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VIA ELECTRONIC MAIL

February 25, 2014

Ms. Karen Cahill
New York State Department of Environmental Conservation
Region 7
615 Erie Blvd. West
Syracuse, NY 13204

Re: Summary of Environmental Due Diligence by Labella
Emerson Power Transmission Ithaca, New York

Dear Karen:

As you are aware, LaBella Associates, PC, (LaBella), on behalf of L Enterprises LLC, is conducting environmental due diligence investigations at the Emerson Power Transmission facility property in Ithaca, New York. LaBella conducted initial investigations between July 27 and October 6, 2013, and supplemental investigations between December 3, 2013 and January 17, 2014. On behalf of Emerson, WSP observed the majority of LaBella's due diligence investigation activities to document the field procedures and collect representative split samples for laboratory analysis from select locations and intervals.

Enclosed is a letter report that presents a summary of the split sampling results from the environmental due diligence investigations conducted by LaBella. The report includes figures showing individual sample locations and tables summarizing the sampling results. The laboratory analytical reports are also included in the Enclosure.

Sincerely yours,

Scott P. Haitz
Vice President

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Enclosure

cc/encl: Derek Chase, Emerson

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February 25, 2014

Ms. Karen Cahill
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Re: Summary of Environmental Due Diligence by Labella
Emerson Power Transmission Ithaca, New York

Dear Karen:

On behalf of Emerson, WSP is submitting this letter report which presents a summary of the environmental due diligence investigations conducted by LaBella Associates, PC, (Labella), on behalf of L Enterprises LLC, at the Emerson Power Transmission (EPT) facility in Ithaca, New York, and the results of split samples collected by WSP. LaBella conducted the initial due diligence investigations between July 27 and October 6, 2013, and supplemental due diligence investigations between December 3, 2013 and January 17, 2014. WSP observed the majority of LaBella's due diligence investigation activities to document their field procedures and collect representative split samples for laboratory analysis from select locations and intervals.

Initial Due Diligence Investigation (July-December 2013)

Investigation activities performed by Labella included indoor air sampling, a soil gas survey, soil and sediment sampling, seep sampling, monitoring well installation, and groundwater sampling. Below is a description of the activities that were observed by WSP along with a description of WSP's split sampling activities and results.

Subslab Vapor Sampling and Indoor Air Sampling

On July 28, 2013 and July 29, 2013, Labella installed sub-slab soil gas probes and collected sub-slab soil gas samples, and indoor air samples in a number of the onsite buildings, as well as an outdoor air sample. WSP was present onsite to observe and document the sub-slab and indoor air sampling activities. All samples were collected by LaBella over an 8-hour time period. WSP recorded the initial and final vacuum measurements and sample collection times but did not collect split samples for analysis. LaBella had the samples analyzed by Centek Laboratories, LLC, for Volatile Organic Compounds (VOCs) using Environmental Protection Agency (EPA) Method TO-15. Following the conclusion of the sub-slab soil gas sampling, Labella sealed the sub-slab probe locations.

Electromagnetic Surveys

On July 27, 2013, WSP observed Labella conducting geophysical surveys in four areas onsite. Electromagnetic (EM) 31 and 61 technologies were used to conduct survey grids comprised of 3-foot line-spacing's in the former Spray Pond area (AOC #3) located in Parking Lot #4 and in the area

informally called the “Rice Paddy”, located south of Building #30 (Figure 1). In addition, LaBella conducted EM-61 surveys in an approximately 20-foot by 40-foot area directly adjacent (south) of Building #30 (oil shed or Dock #7) and in the former propane aboveground storage tank (AST) area south of Building #30 (Figure 1). The survey in the area directly adjacent to Building #30 was done to clear the area for potential utilities in advance of the proposed drilling activities.

No obvious anomalies in the audible signal were noted by WSP from either of the two EM devices while the surveys were performed. WSP did not receive final results from Labella of the EM surveys.

Soil Investigation

Between July 30 and September 26, 2013, LaBella installed 83 direct-push soil borings, designated LBA-SB-200 through LBA-SB-252, LBA-SB-301 through LBA-SB-301, and LBA-SB-401 through LBA-SB-426 (Figures 1 and 2). Additionally, between August 12 and September 4, 2013, Labella conducted direct-push soil sampling activities within the boreholes later completed as monitoring wells. Table 1 lists the boring names, sample names (with associated depths), analytical parameters, and location for the split soil samples collected by WSP.

All soil borings were advanced from the ground surface to refusal at the top of bedrock using a direct-push drill rig (Geoprobe® or equivalent) equipped with a 4-foot-long 2-inch diameter stainless-steel macro-core sampler with a single-use acetate liner. Upon retrieval of each core, the drillers opened the acetate liner for field screening and collection of laboratory samples. LaBella conducted headspace screening of the soil in the field using a photoionization detector (PID). Also, an X-Ray Fluorescence (XRF) Spectrometer was used to measure estimated concentrations of metals in the soil samples. Total depths of the overburden ranged from less than 1 foot in areas beneath the concrete slabs in the buildings to approximately 20 feet in areas of the site overlain by thick sections of fill.

WSP collected 28 split soil samples from the direct-push boring locations and 17 split soil samples at 16 of the monitoring well overburden drilling locations (45 total samples). In accordance with WSP’s Standard Operating Procedures, all samples were placed in laboratory-supplied pre-cleaned bottles and packed in coolers with ice. WSP shipped the sample containers under chain-of-custody to Accutest Laboratories in Marlborough, MA. Samples were analyzed for one or more of the following:

- Target Compound List (TCL) VOCs by EPA Method 8260b
- 10 additional VOCs in Table 2 - Soil Cleanup Levels for Gasoline Contaminated Soils of the NYSDEC’s *Soil Cleanup Guidance* (CP-51) by EPA Method 8260b
- A library search of up to 25 Tentatively Identified Compounds (TICs) VOCs by EPA Method 8260b
- Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270C
- A library search of up to 25 TIC SVOCs by EPA Method 8270C
- Resource Conservation and Recovery Act (RCRA) Metals plus by EPA Methods 6010/7000-series
- Copper by EPA Method 6010
- Cyanide by EPA Method 9012
- Polychlorinated Biphenyls (PCBs) by EPA Method 8082

In general, VOC samples were collected from the depth interval with the highest PID readings, except in circumstances where sample volume was not sufficient to collect a split. Metals and SVOC analyses were run on samples collected at locations where visual staining was present, or where readings from the XRF indicated elevated concentrations of metals. Samples for PCB analysis were collected from

targeted locations where historical site information indicated the former presence of PCB-containing transformers.

Thirty-two of the split soil samples were analyzed for VOCs, 18 samples was analyzed for SVOCs, 5 samples were analyzed for PCBs, 17 samples were analyzed for RCRA metals, 4 samples were analyzed for arsenic, and 2 samples were analyzed for copper. The analytical results for the split soil samples are presented in Tables 2 and 3. Laboratory analytical reports are provided in Enclosure A.

Test Pits

On August 8 and 9, 2013, WSP observed Labella excavate 19 test pits and collect soil samples for field screening purposes. The test pits were conducted to verify the results of the EM surveys described above. Test pits LBA-TP-01 through LBA-TP-06 were located in the Former Spray Pond in Parking Lot 4, LBA-TP-7 through LBA-TP-09 were located in the 'Rice Paddy' area south of the main onsite buildings, LBA-TP-10 through LBA-TP-12 were located around Building 30 (Former Oil Shed), LBA-TP-13 was located in the fill area where the former Propane AST saddles are located, LBA-TP-14 through LBA-TP-16 were located along the perimeter of the south-end driveways, LBA-TP-17 was located southeast of Building 24 in Upper Parking Lot #7, LBA-TP-18 was located northeast of Building 24 in an upper parking lot and LBA-TP-19 was located near the Guard Shack (Figures 1 and 2).

WSP collected five split soil samples at four of the test pit locations. Three samples (LBA-TP-03, LBA-TP-10, and LBA-TP-16) were analyzed for VOCs, two samples (LBA-TP-8, and LBA-TP-16) were analyzed for RCRA metals plus cyanide, and one sample (LBA-TP-8) was analyzed for PCBs. The analytical results for the split soil samples are presented in Table 4. Laboratory analytical reports are included in Enclosure A.

Supplemental Due Diligence Investigation

From December 3, 2013, through January 17, 2014, Labella conducted a Supplemental Due Diligence Investigation. The work included double cased monitoring well installation, soil sampling, test pit installation, and groundwater sampling. Below is a description of the activities that were directly observed by WSP along with a description of the split sampling activities conducted by WSP.

Test Pits

On December 5, 2013, Labella excavated four additional test pits, designated LBA-TP-20 through LBA-TP-23 as part of the Supplemental Due Diligence activities. WSP did not collect any split samples from these locations.

Direct Push Soil Borings

Between December 3 and December 13, 2013, LaBella installed 24 additional soil borings designated LBA-SB-501 through LBA-SB-524 in four areas at the site: inside Building 24, Building 2, Buildings 8, 15 and 35, and south of Building 30 (Figures 1 and 2). WSP collected 18 split samples from 16 of the boring locations. Fourteen of the samples were analyzed for VOCs and 5 of the samples were analyzed for RCRA metals. Four of the 5 metals samples were also analyzed for cyanide. The soil analytical results for the split samples are presented in Table 6. Laboratory analytical reports are included in Enclosure A.

Monitoring Well Installation

Between December 9, 2013, and January 6, 2014, LaBella installed 16 double-cased or open bedrock monitoring wells at 11 locations (i.e., five locations were nested pairs), designated LBA-MW-34 through LBA-MW-44 (Figures 1 and 2). The bedrock well locations were focused on the northern half of the EPT site in Building 24 (LBA-MW-40, LBA-MW-41, and LBA-MW-42), Building 2 (LBA-MW-34, LBA-MW-37, LBA-MW-38), Buildings 6A, 8, 13A, and 35, (LBA-MW-35, LBA-MW-36, LBA-MW-43, and LBA-MW-44), and Building 5 (LBA-MW-39). WSP observed the well installation activities. Table 7 provides a list of monitoring wells installed by Labella including well construction details.

The monitoring well boreholes were installed by advancing 4.25-inch inside-diameter hollow-stem augers to the top of bedrock, which ranged from 8 inches to 11 feet bgs. A temporary surface conductor casing was set at the top of bedrock, and the boreholes were advanced using nominal 6-inch air rotary methods into competent rock to set a permanent steel casing. A 6-inch steel casing was set in each 'rock socket' and emplaced with an annular seal consisting of 95/5 Portland cement/bentonite grout. After a sufficient time for the grout to cure, the bedrock borehole was advanced using 3.5-inch nominal outside diameter NX rock core. Rock coring was conducted in 5 or 10-foot-runs, and the core was logged in the field by LaBella's field geologist for rock type, rock quality description, facture density, and weathering or alteration. WSP documented confirmation logging to ensure that the final screened intervals of the monitoring wells were appropriately placed such that they did not straddle multiple hydrogeologic zones.

The B-zone wells were completed as open bedrock boreholes ranging in depth from 12 to 35 feet bgs, with the exception of LBA-MW-34N, which was fitted with PVC screen from 13 to 21 feet bgs (Table 7). The C-zone monitoring wells were constructed of a 10-foot section of 0.010-inch slotted PVC screen and blank PVC riser. Final C-zone well screen lengths ranged from 5 feet to 11 feet. The annular space of the screened interval of each well was backfilled with appropriately-sized clean quartz filter sand to a height of approximately 2 feet above the top of the screen. A seal consisting of approximately 3 feet of hydrated bentonite chips topped by a mixture of 95-percent Portland Cement/5-percent powdered bentonite grout was emplaced above the filter pack.

Due to the construction of LBA-MW-29, WSP recommended that Labella properly abandon the well following discrete interval sampling activities. Therefore, on January 7, 2014, Labella abandoned well LBA-MW-29 by removing the inner casing and screen, over drilling, and grouting the borehole in place in accordance with the procedures in NYSDEC's CP-43: Groundwater Monitoring Well Decommissioning Policy.

Groundwater Sampling

Between December 3, 2013 and January 17, 2014, WSP collected split groundwater samples from all new monitoring wells (i.e., LBA-MW-34 through LBA-MW-44), from discrete intervals in well LBA-MW-29 prior to abandonment, from a temporary well installed at LBA-SB-503 in Building 24 (Figure 1), and from within seven open bedrock 'rock sockets' for wells LBA-MW-34N, LBA-MW-34S, LBA-MW-35, LBA-MW-36, LBA-MW-39, LBA-MW-40S, and LBA-MW-31. The samples were collected by Labella using various methods as described below. Labella provided a split groundwater sample to WSP at each location.

A peristaltic pump was used to collect the groundwater grab samples from within the open bedrock 'rock sockets'. WSP documented that LaBella purged and sampled in accordance with EPA's low-flow protocol at 13 of the 16 new monitoring wells. Most of the low-flow groundwater samples were collected using a peristaltic pump, except those collected at LBA-MW-34N, LBA-MW-35, LBA-MW-42S, and LBA-MW-43N, which were sampled using a bladder pump. WSP documented that drawdown was observed in all of the wells sampled via low-flow, and in two cases (i.e., LBA-MW-34N, and LBA-MW-36) the well had to recharge for several hours before a groundwater sample could be collected and a split sample provided to WSP.

Due to slow recharge, the split samples collected at LBA-MW-34S, LBA-MW-37, and LBA-MW-38 were collected as grab samples using bailers. WSP documented that all three wells went dry during the initial purge and were sampled the following day. Follow-up groundwater samples were also collected using passive diffusive bag (PDB) samplers from a subset of the new monitoring wells (LBA-MW-34N, LBA-MW-34S, LBA-MW-37, and LBA-MW-38) that had poor recharge during the first sampling attempt.

Prior to well abandonment, discrete interval samples were collected using PDBs in well LBA-MW-29. Samples were collected from depths centered at 18 feet, 21 feet, 28 feet, 33 feet, 38 feet, 43 feet and 48 feet. Split water samples were provided to WSP upon retrieval of the PDB samplers.

All split groundwater samples were placed in laboratory-supplied pre-cleaned bottle ware and submitted to Accutest Laboratories in Marlborough, MA, for analysis of one or more of the following parameters.

- Target Compound List (TCL) VOCs by EPA Method 8260b
- 10 additional VOCs listed in the Soil Cleanup Levels for Gasoline Contaminated Soils (Table 2) of the NYSDEC's *Soil Cleanup Guidance* (CP-51) by EPA Method 8260b
- A library search of up to 25 Tentatively Identified Compounds (TICs) VOCs by EPA Method 8260b
- Resource Conservation and Recovery Act (RCRA) Metals plus by EPA Methods 6010/7000-series
- Copper by EPA Method 6010
- Cyanide by EPA Method 9012

The results of the samples collected from within the open bedrock 'rock sockets' are provided in Table 8. The results of the PDB discrete interval sampling conducted in well LBA-MW-29 and the groundwater samples collected from all new wells are provided in Table 9. The results for the grab sample collected from the temporary well installed in boring LBA-SB-503 are provided in Table 10. Laboratory analytical reports are included in Enclosure A.

Pipe Discharge

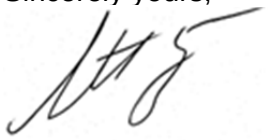
On December 11, 2013, LaBella noted a seep emanating from a pipe located beneath the former PCB transformer pad west of Building 24. The pipe was discharging on the north side of the pad. WSP collected a split water sample from LaBella's grab sample. The water sample was shipped to the laboratory for analysis of VOCs and PCBs. The analytical results are provided in Table 11, and the laboratory analytical report is included in Enclosure A.

LNAPL Sample

On January 6, 2014, WSP measured less than 0.01-foot of light non aqueous phase liquid (LNAPL) on the surface of the water column in monitoring well LBA-MW-35. On January 2, 2014, WSP collected a

sample of the LNAPL for analysis of VOCs and PCBs as well as hydrocarbon fingerprinting using NYSDOH Method 310.13. The results are presented in Table 12, and the laboratory analytical report is included in Enclosure A.

Sincerely yours,



Scott P. Haitz
Vice President

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Enclosures

cc/encl: Derek Chase, Emerson

Figures

LEGEND

(LBA-)SB-423 SOIL BORING

(LBA-)SB-504 OVERBURDEN SOIL BORING

34 BUILDING NUMBER

SANITARY SEWER

EASEMENT FOR OU-1

EASEMENT FOR OU-2

FORMER SPRAY POND AREA

LEGEND – LABELLA MONITORING WELLS

LBA-MW-08 A/B HYDROGEOLOGIC ZONES

LBA-MW-41 B HYDROGEOLOGIC ZONE

LBA-MW-29 B/C HYDROGEOLOGIC ZONES

LBA-MW-02 C HYDROGEOLOGIC ZONE

LBA-TP-15 TEST PIT (2013)

NOTE:

MONITORING WELL AND SOIL BORING LOCATIONS ARE APPROXIMATE.

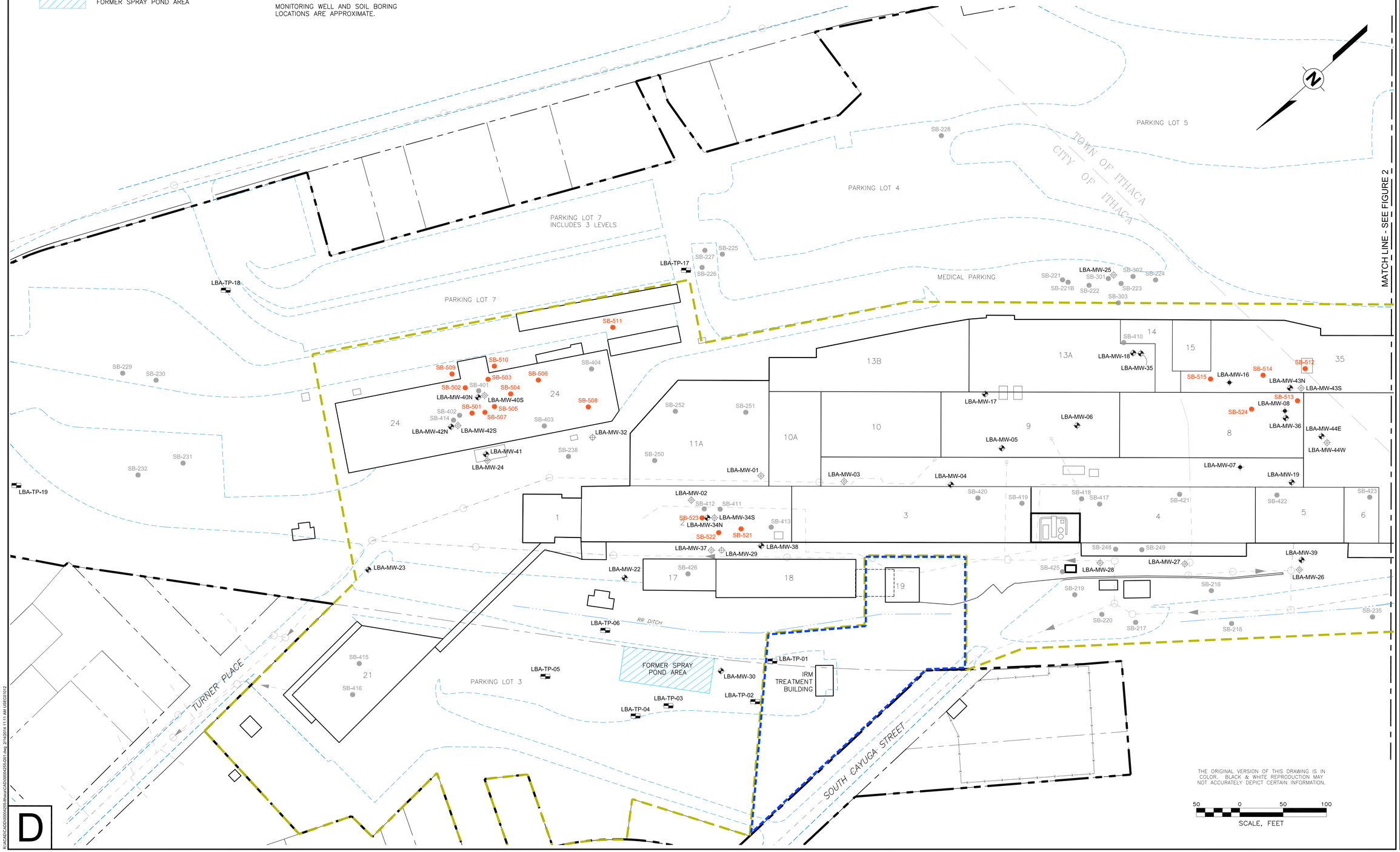

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FIGURE 1

Drawing Number
00004255-D01

LEGEND

SB-214 SOIL BORING

(LBA)SB-520 OVERBURDEN SOIL BORING

34 BUILDING NUMBER

SANITARY SEWER

EASEMENT FOR OU-2

FORMER PROPANE AST AREA

RICE PADDY AREA

LEGEND – LABELLA MONITORING WELLS

LBA-MW-21 A/B HYDROGEOLOGIC ZONES

LBA-MW-10 B HYDROGEOLOGIC ZONE

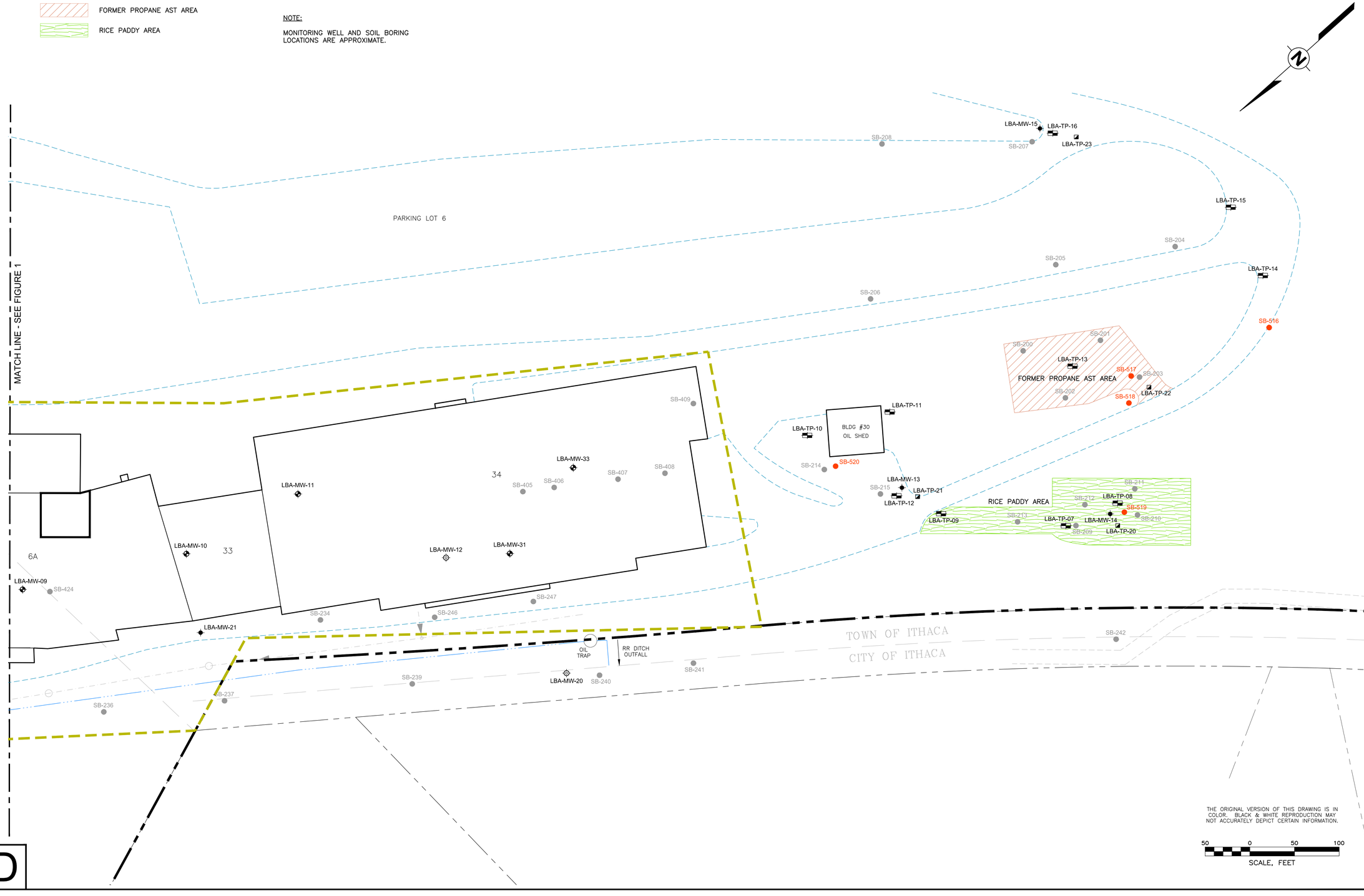
LBA-MW-12 C HYDROGEOLOGIC ZONE

LBA-TP-15 TEST PIT (2013)

LBA-TP-22 SUPPLEMENTAL TEST PIT

NOTE:

MONITORING WELL AND SOIL BORING LOCATIONS ARE APPROXIMATE.



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LABELLA ASSOCIATES DUE DILLIGENCE INVESTIGATION SAMPLES SITE SOUTH

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FIGURE 2

Drawing Number
00004255–D02

Tables

Table 1

WSP Split Soil Sample Inventory
Emerson Power Transmission
Ithaca, New York
July through December 2013 (a)

Boring ID	WSP Split Sample	Date	Analyses	Location
			Initial Due Diligence Investigation	
			Overburden Borings	
LBA-MW-01	LBA-MW-01-1'	8/12/2013	VOCs, SVOCs, RCRA Metals, Cyanide	Buiding 11A
LBA-MW-02	LBA-MW-02-6'-7.5'	8/13/2013	VOCs, SVOCs, RCRA Metals, Cyanide	Bulding 2
LBA-MW-04	LBA-MW-04-6'	8/15/2013	SVOCs, RCRA Metals, Cyanide	East Side of Building 3
LBA-MW-04	LBA-MW-04-9.5'-10'	8/15/2013	VOCs	East Side of Building 3
LBA-MW-08	LBA-MW-08-7"-1.4'	8/19/2013	VOCs	Building 8
LBA-MW-09	LBA-MW-09-6"-2.3'	8/19/2013	VOCs	Building 6A
LBA-MW-11	LBA-MW-11-5.5"-2'	8/20/2013	VOCs	Building 34
LBA-MW-12	LBA-MW-12-1"-2.4'	8/21/2013	VOCs	Building 34
LBA-MW-17	LBA-MW-17-(5)	8/26/2013	VOCs	Building 9
LBA-MW-18	LBA-MW-18-(1.9)	8/26/2013	RCRA Metals + Copper, Cyanide	Building 13A
LBA-MW-19	LBA-MW-19-(0-1.9)	8/27/2013	VOCs, RCRA Metals	East of Building 5
LBA-MW-22	LBA-MW-22-(7)	8/28/2013	VOCs	Building 17 Truck Ramp
LBA-MW-24	LBA-MW-24-(1)	8/29/2013	VOCs, SVOCs, PCBs, RCRA Metals	West of Building 24
LBA-MW-25	LBA-MW-25-(4)	8/29/2013	VOCs	Near Radian Oil Spill S of Buidling 13A
LBA-MW-26	LBA-MW-26-(12)	8/30/2013	VOCs, SVOCs, PCBs	West of Building 5
LBA-MW-27	LBA-MW-27-(16-17.7)	8/30/2013	VOCs, SVOCs, PCBs	West of Building 4
LBA-MW-28	LBA-MW-28-(17-17.3)	9/3/2013	VOCs, SVOCs, PCBs	West of Former 507 Degreaser
			Direct Push Soil Borings	
LBA-SB-200	LBA-SB-200/8.5-9'	7/30/2013	RCRA Metals	Former AST Storage Area
LBA-SB-203	LBA-SB-203/14'	7/30/2013	RCRA Metals + Copper	Former AST Storage Area
LBA-SB-204	LBA-SB-204/6.5	7/30/2013	VOCs, SVOCs	Back Drive Below Parking Lot 6
LBA-SB-205	LBA-SB-205/3'	7/30/2013	RCRA Metals	Back Drive Below Parking Lot 6
LBA-SB-207	LBA-SB-207/3'	7/30/2013	VOCs, SVOCs	South End of Parking Lot 6
LBA-SB-209	LBA-SB-209/27'	7/31/2013	RCRA Metals	Rice Paddy
LBA-SB-210	LBA-SB-210/12'	7/31/2013	RCRA Metals	Rice Paddy
LBA-SB-216	LBA-SB-216/7-8'	7/31/2013	VOCs, SVOCs	Former Liquid Nitrogen Tank
LBA-SB-217	LBA-SB-217/8'	7/31/2013	VOCs	Old IRM Shed Parking Lot
LBA-SB-223	LBA-SB-223/1'	8/1/2013	VOCs, SVOCs	Near Radian Oil Spill S of Buidling 13A
LBA-SB-234	LBA-SB-234/7'	8/1/2013	VOCs, SVOCs	Former Waste Oil AST west of Building 34
LBA-SB-240	LBA-SB-240/1'	8/2/2013	RCRA Metals	Railroad Grade
LBA-SB-241	LBA-SB-241/0.5-2'	8/2/2013	VOCs, SVOCs, PCBs	Railroad Grade
LBA-SB-242	LBA-SB-242/0-1.5'	8/2/2013	RCRA Metals	Railroad Grade
LBA-SB-246	LBA-SB-246/10-12'	8/2/2013	SVOCs, RCRA Metals, Cyanide	West of Building 34 in West Drive
LBA-SB-247	LBA-SB-247/6'	8/2/2013	VOCs, SVOCs	West of Building 34 in West Drive
LBA-SB-248	LBA-SB-248/15'	8/2/2013	RCRA Metals	Building 4 east of Degreaser
LBA-SB-248	LBA-SB-248/7.5'	8/2/2013	VOCs, SVOCs, RCRA Metals, Cyanide	Building 4 east of Degreaser
LBA-SB-250	LBA-SB-250-4'	8/13/2013	VOCs	Building 11A
LBA-SB-301	LBA-SB-301-(2.5)	8/26/2013	VOCs	Near Radian Oil Spill S of Buidling 13A
LBA-SB-401	LBA-SB-401-0008	9/24/2013	VOCs	Building 24
LBA-SB-405	LBA-SB-405-85	9/25/2013	VOCs	Building 34
LBA-SB-412	LBA-SB-412-0004	9/25/2013	VOCs	Building 2
LBA-SB-416	LBA-SB-416-4553	9/26/2013	VOCs	Building 21
LBA-SB-417	LBA-SB-417-0209	9/26/2013	VOCs, SVOCs	Building 4
LBA-SB-418	LBA-SB-418-13	9/26/2013	VOCs, SVOCs	Building 4
LBA-SB-425	LBA-SB-425-04	9/26/2013	RCRA Metals	West of Building 4 near 507 Degreaser
LBA-SB-425	LBA-SB-425-10	9/26/2013	VOCs	West of Building 4 near 507 Degreaser
			Test Pits	
LBA-TP-03	LBA-TP-03	8/8/2013	VOCs	Former Spray Pond
LBA-TP-08	LBA-TP-8	8/8/2013	PCBs, RCRA Metals, Cyanide	Rice Paddy
LBA-TP-10	LBA-TP-10A	8/9/2013	VOCs	Building 30/ Former Oil Shed
LBA-TP-16	LBA-TP-16A	8/9/2013	RCRA Metals, Cyanide	South End Driveways
LBA-TP-16	LBA-TP-16B	8/9/2013	VOCs	South End Driveways

Table 1

WSP Split Soil Sample Inventory
Emerson Power Transmission
Ithaca, New York
July through December 2013 (a)

Boring ID	WSP Split Sample	Date	Analyses	Location
Supplemental Due Diligence Investigation				
Direct Push Soil Borings				
LBA-501	LBA-SB-501-0102	12/4/2013	VOCs	Building 24
LBA-503	LBA-SB-503-0102	12/4/2013	VOCs	Building 24
LBA-504	LBA-SB-504-0102	12/4/2013	VOCs	Building 24
LBA-505	LBA-SB-505-0102	12/4/2013	VOCs	Building 24
LBA-509	LBA-SB-509-22	12/5/2013	-	Building 24
LBA-510	LBA-SB-510-14	12/5/2013	-	Building 24
LBA-511	LBA-SB-511(0.8-1)	12/5/2013	-	Building 24
LBA-512	LBA-SB-512 (0.5)	12/5/2013	RCRA Metals	Building 35
LBA-513	LBA-SB-513 (6.5-7.5)	12/5/2013	RCRA Metals	Building 8
LBA-514	LBA-SB-514 (1)	12/5/2013	VOCs, RCRA Metals	Building 35
LBA-515	LBA-SB-515 (1)	12/5/2013	RCRA Metals	Building 35
LBA-517	LBA-SB-517 (1-1.5)	12/6/2013	VOCs	Former Propane AST Area
LBA-518	LBA-SB-518 (3-4)	12/6/2013	VOCs	Former Propane AST Area
LBA-518	LBA-SB-518 (4-6)	12/6/2013	RCRA Metals	Former Propane AST Area
LBA-518	LBA-SB-518 (8)	12/6/2013	VOCs	Former Propane AST Area
LBA-519	LBA-SB-519 (8)	12/6/2013	VOCs	Rice Paddy
LBA-521	LBA-SB-521(1-1.5)	12/13/2013	VOCs	Building 2
LBA-522	LBA-SB-522(0-0.9)	12/13/2013	VOCs	Building 2

Table 2

WSP Split Soil Sample Results
Soil Boreholes
Initial Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
July through September 2013 (a)

Location:	LBA-SB-200	LBA-SB-203	LBA-SB-204	LBA-SB-205	LBA-SB-207	LBA-SB-209	LBA-SB-210	LBA-SB-216	LBA-SB-217	LBA-SB-223	LBA-SB-234	LBA-SB-240	LBA-SB-241
Depth (ft bgs):	8.5-9	14	6.5	3	3	27	12	7-8	8	1	7	1	0.5-2
Date Sampled:	07/30/13	07/30/13	07/30/13	07/30/13	07/30/13	07/31/13	07/31/13	07/31/13	07/31/13	08/01/13	08/01/13	08/02/13	08/02/13
Parameters													
Volatile Organic Compounds (µg/kg)													
Acetone	-	-	470 U	-	550 U	-	-	670 U	500 U	690 U	590 U	-	730 U
Benzene	-	-	24 U	-	27 U	-	-	34 U	69.4	34 U	34.9	-	36 U
2-Butanone (MEK)	-	-	240 U	-	270 U	-	-	340 U	250 U	340 U	290 U	-	360 U
Carbon disulfide	-	-	240 U	-	270 U	-	-	340 U	250 U	340 U	290 U	-	360 U
Chloroform	-	-	95 U	-	110 U	-	-	130 U	100 U	140 U	120 U	-	150 U
Chloromethane	-	-	240 U	-	270 U	-	-	340 U	250 U	340 U	290 U	-	360 U
Cyclohexane	-	-	240 U	-	270 U	-	-	340 U	218 J	340 U	290 U	-	360 U
1,1-Dichloroethane	-	-	95 U	-	110 U	-	-	130 U	100 U	140 U	120 U	-	150 U
cis-1,2-Dichloroethene	-	-	95 U	-	110 U	-	-	130 U	100 U	3,740	120 U	-	150 U
trans-1,2-Dichloroethene	-	-	95 U	-	110 U	-	-	130 U	100 U	94.4 J	120 U	-	150 U
Ethylbenzene	-	-	95 U	-	10 J	-	-	130 U	70.1 J	140 U	73.4 J	-	14.8 J
Isopropylbenzene	-	-	240 U	-	270 U	-	-	23.2 J	18.1 J	340 U	16.7 J	-	360 U
Methylcyclohexane	-	-	240 U	-	214 J	-	-	340 U	777	340 U	87.8 J	-	109 J
Methylene chloride	-	-	95 U	-	110 U	-	-	130 U	100 U	140 U	120 U	-	150 U
Tetrachloroethene	-	-	95 U	-	110 U	-	-	130 U	100 U	75,200	34.1 J	-	150 U
Toluene	-	-	240 U	-	270 U	-	-	340 U	766	340 U	112 J	-	26.1 J
1,2,4-Trichlorobenzene	-	-	240 U	-	270 U	-	-	340 U	250 U	340 U	290 U	-	360 U
1,1,1-Trichloroethane	-	-	95 U	-	110 U	-	-	130 U	26.8 J	140 U	120 U	-	150 U
1,1,2-Trichloroethane	-	-	95 U	-	110 U	-	-	130 U	100 U	140 U	120 U	-	150 U
Trichloroethene	-	-	95 U	-	170	-	-	130 U	100 U	1,960	86.4 J	-	357
Xylene (total)	-	-	95 U	-	105 J	-	-	130 U	968	140 U	146	-	68.3 J

Table 2

WSP Split Soil Sample Results
Soil Boreholes
Initial Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
July through September 2013 (a)

Location:	LBA-SB-242	LBA-SB-246	LBA-SB-247	LBA-SB-248		LBA-SB-250	LBA-SB-301	LBA-SB-401	LBA-SB-405	LBA-SB-412	LBA-SB-416	LBA-SB-417	LBA-SB-418	LBA-SB-425	
Depth (ft bgs):	0-1.5	10-12	6	7.5	15	4	2.5	0.8	8.5	0.4	4.5-5.3	0.2-0.9	1.3	4	10
Date Sampled:	08/02/13	08/02/13	08/02/13	08/02/13	08/02/13	08/15/13	08/26/13	09/24/13	09/25/13	09/25/13	09/26/13	09/26/13	09/26/13	09/26/13	09/26/13
Parameters															
Volatile Organic Compounds (µg/kg)															
Acetone	-	-	630 U	210	-	520 U	11 U	82.7	10 U	41.5	14 U	10 U	221	-	297
Benzene	-	-	31 U	0.6 U	-	26 U	0.54 U	0.56 U	0.71	0.35 J	0.68 U	0.51 U	0.52 U	-	0.68
2-Butanone (MEK)	-	-	310 U	21.1	-	260 U	5.4 U	5.6 U	5 U	5.8 U	6.8 U	5.1 U	5.2 U	-	6.2 U
Carbon disulfide	-	-	310 U	13.4	-	260 U	5.4 U	0.86 J	5 U	1.3 J	1.5 J	0.6 J	2.9 J	-	62.4
Chloroform	-	-	130 U	0.67 J	-	100 U	2.1 U	2.3 U	2 U	2.3 U	2.7 U	2 U	2.1 U	-	2.5 U
Chloromethane	-	-	310 U	5.5 J	-	260 U	5.4 U	5.6 U	5 U	5.8 U	6.8 U	5.1 U	5.2 U	-	6.2 U
Cyclohexane	-	-	310 U	0.55 J	-	260 U	5.4 U	5.6 U	2.1 J	5.8 U	6.8 U	5.1 U	5.2 U	-	6.2 U
1,1-Dichloroethane	-	-	130 U	2.4 U	-	100 U	2.1 U	2.3 U	2 U	0.99 J	2.7 U	2 U	2.1 U	-	2.5 U
cis-1,2-Dichloroethene	-	-	130 U	29.8	-	100 U	2.1 U	2.3 U	2 U	2.3 U	2.7 U	2 U	2.1 U	-	2.5 U
trans-1,2-Dichloroethene	-	-	130 U	1.6 J	-	100 U	2.1 U	2.3 U	2 U	2.3 U	2.7 U	2 U	2.1 U	-	2.5 U
Ethylbenzene	-	-	130 U	0.46 J	-	100 U	2.1 U	2.3 U	2 U	2.3 U	2.7 U	2 U	2.1 U	-	0.33 J
Isopropylbenzene	-	-	310 U	6 U	-	260 U	5.4 U	5.6 U	5 U	5.8 U	6.8 U	5.1 U	5.2 U	-	6.2 U
Methylcyclohexane	-	-	310 U	6 U	-	260 U	5.4 U	5.6 U	3.4 J	5.8 U	6.8 U	5.1 U	5.2 U	-	6.2 U
Methylene chloride	-	-	130 U	30.8	-	100 U	2.6	2.3 U	1.6 J	2 J	2.2 J	2 U	2.1	-	2.2 J
Tetrachloroethene	-	-	105 J	17.3	-	166	2.1 U	2.3 U	2 U	2.3 U	2.7 U	2 U	2.1 U	-	2.5 U
Toluene	-	-	310 U	1.3 J	-	260 U	1.5 J	0.61 J	1.3 J	0.99 J	0.54 J	5.1 U	5.2 U	-	0.85 J
1,2,4-Trichlorobenzene	-	-	310 U	4.6 J	-	260 U	5.4 U	5.6 U	5 U	5.8 U	6.8 U	5.1 U	5.2 U	-	6.2 U
1,1,1-Trichloroethane	-	-	130 U	2.4 U	-	210	2.1 U	2.3 U	2 U	2.3 U	2.7 U	2 U	2.1 U	-	2.5 U
1,1,2-Trichloroethane	-	-	130 U	2.4 U	-	100 U	2.1 U	2.3 U	2 U	2.3 U	2.7 U	2 U	2.1 U	-	2.1 J
Trichloroethene	-	-	130 U	35.2	-	631	2.1 U	25	2 U	2.3 U	2.7 U	2 U	2.1 U	-	2.5 U
Xylene (total)	-	-	130 U	1.2 J	-	100 U	1.1 J	2.3 U	0.96 J	0.71 J	2.7 U	2 U	2.1 U	-	2.5 U

Table 2

WSP Split Soil Sample Results
Soil Boreholes
Initial Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
July through September 2013 (a)

Location:	LBA-SB-200	LBA-SB-203	LBA-SB-204	LBA-SB-205	LBA-SB-207	LBA-SB-209	LBA-SB-210	LBA-SB-216	LBA-SB-217	LBA-SB-223	LBA-SB-234	LBA-SB-240	LBA-SB-241
Depth (ft bgs):	8.5-9	14	6.5	3	3	27	12	7-8	8	1	7	1	0.5-2
Date Sampled:	07/30/13	07/30/13	07/30/13	07/30/13	07/30/13	07/31/13	07/31/13	07/31/13	07/31/13	08/01/13	08/01/13	08/02/13	08/02/13
Parameters													
Semi-Volatile Organic Compounds (µg/kg)													
Acenaphthene	-	-	100 U	-	100 U	-	-	120 U	-	57.7 J	110 U	-	66.2 J
Acenaphthylene	-	-	100 U	-	100 U	-	-	120 U	-	69.7 J	110 U	-	84.4 J
Acetophenone	-	-	510 U	-	500 U	-	-	590 U	-	560 U	530 U	-	32.1 J
Anthracene	-	-	100 U	-	100 U	-	-	120 U	-	285	110 U	-	205
Benzo(a)anthracene	-	-	100 U	-	100 U	-	-	25.9 J	-	535	110 U	-	336
Benzo(a)pyrene	-	-	100 U	-	100 U	-	-	120 U	-	402	110 U	-	208
Benzo(b)fluoranthene	-	-	100 U	-	100 U	-	-	120 U	-	424	110 U	-	336
Benzo(g,h,i)perylene	-	-	100 U	-	100 U	-	-	120 U	-	178	110 U	-	136
Benzo(k)fluoranthene	-	-	100 U	-	100 U	-	-	120 U	-	293	110 U	-	250
Carbazole	-	-	100 U	-	100 U	-	-	120 U	-	124	110 U	-	173
Chrysene	-	-	100 U	-	100 U	-	-	38 J	-	488	110 U	-	583
Dibenzo(a,h)anthracene	-	-	100 U	-	100 U	-	-	120 U	-	84.4 J	110 U	-	51.9 J
Dibenzofuran	-	-	100 U	-	100 U	-	-	120 U	-	186	110 U	-	152
bis(2-Ethylhexyl)phthalate	-	-	41.3 J	-	37.9 J	-	-	209 J	-	45.4 J	33.7 J	-	39.3 J
Fluoranthene	-	-	100 U	-	100 U	-	-	33.8 J	-	1,460	110 U	-	1070
Fluorene	-	-	100 U	-	100 U	-	-	120 U	-	328	110 U	-	47.6 J
Indeno(1,2,3-cd)pyrene	-	-	100 U	-	100 U	-	-	120 U	-	196	110 U	-	117 J
2-Methylnaphthalene	-	-	100 U	-	100 U	-	-	120 U	-	126	33.4 J	-	211
Naphthalene	-	-	100 U	-	100 U	-	-	20.9 J	-	255	30.9 J	-	195
N-Nitrosodiphenylamine	-	-	250 U	-	250 U	-	-	290 U	-	280 U	270 U	-	290 U
Phenanthrene	-	-	100 U	-	100 U	-	-	41.9 J	-	1,380	23.5 J	-	871
Pyrene	-	-	100 U	-	100 U	-	-	52.9 J	-	875	110 U	-	754
Total TIC, Semi-Volatile (c)	-	-	15,270 J		8,700 J	-	-	560 J	-	21,000 J	1,820 J	-	5,210 J
Polychlorindated Biphenyls (mg/kg)													
Total PCBs	-	-	-	-	-	-	-	-	-	-	-	-	ND

Table 2

WSP Split Soil Sample Results
Soil Boreholes
Initial Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
July through September 2013 (a)

Location:	LBA-SB-242	LBA-SB-246	LBA-SB-247	LBA-SB-248		LBA-SB-250	LBA-SB-301	LBA-SB-401	LBA-SB-405	LBA-SB-412	LBA-SB-416	LBA-SB-417	LBA-SB-418	LBA-SB-425	
Depth (ft bgs):	0-1.5	10-12	6	7.5	15	4	2.5	0.8	8.5	0.4	4.5-5.3	0.2-0.9	1.3	4	10
Date Sampled:	08/02/13	08/02/13	08/02/13	08/02/13	08/02/13	08/15/13	08/26/13	09/24/13	09/25/13	09/25/13	09/26/13	09/26/13	09/26/13	09/26/13	09/26/13
Parameters															
Semi-Volatile Organic Compounds (µg/kg)															
Acenaphthene	-	110 U	191	580 U	-	-	-	-	-	-	-	110 U	124	-	-
Acenaphthylene	-	24.3 J	24.2 J	117 J	-	-	-	-	-	-	-	110 U	110 U	-	-
Acetophenone	-	550 U	550 U	2,900 U	-	-	-	-	-	-	-	550 U	570 U	-	-
Anthracene	-	110 U	427	148 J	-	-	-	-	-	-	-	110 U	110 U	-	-
Benzo(a)anthracene	-	110 U	1,110	454 J	-	-	-	-	-	-	-	110 U	52.4 J	-	-
Benzo(a)pyrene	-	110 U	967	338 J	-	-	-	-	-	-	-	110 U	110 U	-	-
Benzo(b)fluoranthene	-	110 U	912	347 J	-	-	-	-	-	-	-	110 U	110 U	-	-
Benzo(g,h,i)perylene	-	110 U	486	388 J	-	-	-	-	-	-	-	110 U	110 U	-	-
Benzo(k)fluoranthene	-	110 U	666	257 J	-	-	-	-	-	-	-	110 U	110 U	-	-
Carbazole	-	110 U	200	580 U	-	-	-	-	-	-	-	110 U	110 U	-	-
Chrysene	-	110 U	1,040	477 J	-	-	-	-	-	-	-	110 U	103 J	-	-
Dibenzo(a,h)anthracene	-	110 U	192	84 J	-	-	-	-	-	-	-	110 U	110 U	-	-
Dibenzofuran	-	110 U	110	580 U	-	-	-	-	-	-	-	110 U	114	-	-
bis(2-Ethylhexyl)phthalate	-	664	39.4 J	1,400 U	-	-	-	-	-	-	-	270 U	290 U	-	-
Fluoranthene	-	24.4 J	2,430	907	-	-	-	-	-	-	-	110 U	66.9 J	-	-
Fluorene	-	110 U	174	580 U	-	-	-	-	-	-	-	110 U	242	-	-
Indeno(1,2,3-cd)pyrene	-	110 U	486	221 J	-	-	-	-	-	-	-	110 U	110 U	-	-
2-Methylnaphthalene	-	110 U	62.2 J	106 J	-	-	-	-	-	-	-	110 U	110 U	-	-
Naphthalene	-	47.7 J	119	580 U	-	-	-	-	-	-	-	110 U	110 U	-	-
N-Nitrosodiphenylamine	-	280 U	280 U	1,400 U	-	-	-	-	-	-	-	270 U	492	-	-
Phenanthrene	-	22.2 J	1,660	516 J	-	-	-	-	-	-	-	110 U	268	-	-
Pyrene	-	23 J	1,880	556 J	-	-	-	-	-	-	-	110 U	501	-	-
Total TIC, Semi-Volatile	-	240 J	2,390 J	0	-	-	-	-	-	-	-	0	1,860 J	-	-
Polychlorindated Biphenyls (mg/kg)															
Total PCBs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 2

WSP Split Soil Sample Results
Soil Boreholes
Initial Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
July through September 2013 (a)

Location:	LBA-SB-200	LBA-SB-203	LBA-SB-204	LBA-SB-205	LBA-SB-207	LBA-SB-209	LBA-SB-210	LBA-SB-216	LBA-SB-217	LBA-SB-223	LBA-SB-234	LBA-SB-240	LBA-SB-241
Depth (ft bgs):	8.5-9	14	6.5	3	3	27	12	7-8	8	1	7	1	0.5-2
Date Sampled:	07/30/13	07/30/13	07/30/13	07/30/13	07/30/13	07/31/13	07/31/13	07/31/13	07/31/13	08/01/13	08/01/13	08/02/13	08/02/13
Parameters													
Metals (mg/kg)													
Arsenic	17.6	41.6	-	12.5	-	18.2	13.7	-	-	-	-	8	-
Barium	118	120	-	464	-	2,070	2,800	-	-	-	-	107	-
Cadmium	0.63	0.85	-	0.54	-	0.34 B	0.91	-	-	-	-	0.17 B	-
Chromium	92.7	389	-	78.1	-	33.2	63.7	-	-	-	-	7	-
Copper	-	1,870	-	-	-	-	-	-	-	-	-	-	-
Lead	136	73.9	-	61.3	-	28.4	237	-	-	-	-	24	-
Mercury	0.087	0.16	-	0.12	-	0.078	0.33	-	-	-	-	0.048	-
Selenium	0.89 U	2.0 [a] U	-	1.9 [a] U	-	0.9 U	0.93 U	-	-	-	-	1.3	-
Silver	0.44 U	0.5 U	-	0.47 U	-	0.45 U	0.12 B	-	-	-	-	0.47 U	-
Cyanide	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 2

WSP Split Soil Sample Results
Soil Boreholes
Initial Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
July through September 2013 (a)

Location:	LBA-SB-242	LBA-SB-246	LBA-SB-247	LBA-SB-248		LBA-SB-250	LBA-SB-301	LBA-SB-401	LBA-SB-405	LBA-SB-412	LBA-SB-416	LBA-SB-417	LBA-SB-418	LBA-SB-425	
Depth (ft bgs):	0-1.5	10-12	6	7.5	15	4	2.5	0.8	8.5	0.4	4.5-5.3	0.2-0.9	1.3	4	10
Date Sampled:	08/02/13	08/02/13	08/02/13	08/02/13	08/02/13	08/15/13	08/26/13	09/24/13	09/25/13	09/25/13	09/26/13	09/26/13	09/26/13	09/26/13	09/26/13
Parameters															
Metals (mg/kg)															
Arsenic	3.6	16.4	-	15.5	14.2	-	-	-	-	-	-	-	-	20.5	-
Barium	162	105	-	166	108	-	-	-	-	-	-	-	-	969	-
Cadmium	0.095 B	0.95	-	1.7	0.39 B	-	-	-	-	-	-	-	-	3	-
Chromium	6.4	16.3	-	21.7	20.8	-	-	-	-	-	-	-	-	120	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	42	15	-	187	175	-	-	-	-	-	-	-	-	208	-
Mercury	0.023 B	0.036 U	-	0.097	0.067	-	-	-	-	-	-	-	-	0.41	-
Selenium	0.66 B	0.71 B	-	0.62 B	0.54 B	-	-	-	-	-	-	-	-	0.82 B	-
Silver	0.48 U	0.48 U	-	0.49 U	0.52 U	-	-	-	-	-	-	-	-	0.65 U	-
Cyanide	-	0.71	-	-	-	-	-	-	-	-	-	-	-	-	-

a/ ft bgs = feet below ground surface; µg/kg = micrograms per kilogram; mg/kg = milligrams per kilogram;
VOC = volatile organic compound; SVOC = semi-volatile organic compound; PCBs = polychlorinated biphenyls;
TIC = tentatively identified compound; "-" indicates not analyzed
Data Qualifiers:
U = not detected above reporting limit
J = estimated below reporting limit but above method detection limit (volatiles)
B = estimated below reporting limit but above method detection limit (metals)

Table 3

WSP Split Soil Sample Results
Overburden Boreholes
Initial Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
August through September 2013 (a)

Location:	LBA-MW-01	LBA-MW-02	LBA-MW-04		LBA-MW-08	LBA-MW-09	LBA-MW-11	LBA-MW-12	LBA-MW-17	LBA-MW-18	LBA-MW-19	LBA-MW-22
Depth (ft bgs):	1	6-7.5	6	9.5-10	0.6-1.4	0.5-2.3	0.5-2	0.1-2.4	5	1.9	0-1.9	7
Date Sampled:	08/12/13	08/13/13	08/15/13	08/15/13	08/19/13	08/19/13	08/20/13	08/21/13	08/26/13	08/26/13	08/27/13	08/28/13
Parameters												
Volatile Organic Compounds (µg/kg)												
Acetone	400 U	53.7	-	6.5 J	12 U	13 U	11 U	10 U	10 U	-	13 U	12 U
Benzene	20 U	0.59 U	-	0.59 U	0.73	0.63 U	0.95	0.93	0.51 U	-	1.1	0.6 U
2-Butanone (MEK)	200 U	5.9 U	-	5.9 U	5.8 U	6.3 U	5.5 U	5 U	5.1 U	-	6.5 U	6 U
Carbon disulfide	200 U	13.5	-	5.9 U	3.6 J	6.3 U	1.1 J	0.7 J	0.44 J	-	1 J	6 U
Chloroform	81 U	2.4 U	-	2.4 U	2.3 U	2.5 U	2.2 U	2 U	2 U	-	0.73 J	2.4 U
Chloromethane	200 U	5.9 U	-	5.9 U	5.8 U	6.3 U	5.5 U	5 U	5.1 U	-	6.5 U	6 U
Cyclohexane	200 U	5.9 U	-	5.9 U	2.6 J	6.3 U	2 J	2.7 J	5.1 U	-	6.5 U	6 U
1,1-Dichloroethane	81 U	2.4 U	-	2.4 U	0.88 J	2.5 U	2.2 U	2 U	2 U	-	0.81 J	2.4 U
cis-1,2-Dichloroethene	81 U	2.4 U	-	2.4 U	2.3 U	2.5 U	2.2 U	2 U	2 U	-	0.67 J	2.4 U
trans-1,2-Dichloroethene	81 U	2.4 U	-	2.4 U	2.3 U	2.5 U	2.2 U	2 U	2 U	-	2.6 U	2.4 U
Ethylbenzene	81 U	2.4 U	-	2.4 U	2.3 U	2.5 U	2.2 U	2 U	2 U	-	0.79 J	2.4 U
Isopropylbenzene	200 U	5.9 U	-	5.9 U	5.8 U	6.3 U	5.5 U	5 U	5.1 U	-	6.5 U	6 U
Methylcyclohexane	200 U	5.9 U	-	5.9 U	4.6 J	6.3 U	3.6 J	4.8 J	5.1 U	-	0.69 J	6 U
Methylene chloride	81 U	8.3	-	2.4 U	3.3	2.4 J	2.9	3.4	2.4	-	8	2.4 U
Tetrachloroethene	81 U	2.4 U	-	2.4 U	2.3 U	2.5 U	2.2 U	1.1 J	0.76 J	-	1.3 J	2.4 U
Toluene	200 U	0.62 J	-	5.9 U	1.2 J	0.51 J	1.4 J	1.8 J	0.79 J	-	4.5 J	0.86 J
1,2,4-Trichlorobenzene	200 U	3.6 J	-	5.9 U	5.8 U	6.3 U	5.5 U	5 U	5.1 U	-	6.5 U	6 U
1,1,1-Trichloroethane	81 U	2.4 U	-	2.4 U	2.3 U	2.5 U	2.2 U	2 U	2 U	-	6.9	2.4 U
Trichloroethene	81 U	2.4 U	-	2.4 U	0.69 J	2.5 U	2.2 U	1.3 J	2 U	-	1.9 J	2.4 U
Vinyl chloride	81 U	2.4 U	-	2.4 U	2.3 U	2.5 U	2.2 U	2 U	2 U	-	2.6 U	2.4 U
Xylene (total)	81 U	2.4 U	-	2.4 U	0.9 J	2.5 U	0.89 J	1.7 J	0.37 J	-	2.8	0.57 J

Table 3

WSP Split Soil Sample Results
Overburden Boreholes
Initial Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
August through September 2013 (a)

Location:	LBA-MW-24	LBA-MW-25	LBA-MW-26	LBA-MW-27	LBA-MW-28
Depth (ft bgs):	1	4	12	16-17.7	17-17.3
Date Sampled:	08/29/13	08/29/13	08/30/13	08/30/13	09/03/13
Parameters					
Volatile Organic Compounds (µg/kg)					
Acetone	690 U	12 U	12 U	32.3	21.2
Benzene	21.8 J	0.58 U	0.61 U	0.68 U	0.69 U
2-Butanone (MEK)	350 U	5.8 U	6.1 U	6.8 U	6.9 U
Carbon disulfide	350 U	5.8 U	0.56 J	1.3 J	2.8 J
Chloroform	140 U	2.3 U	2.4 U	2.7 U	2.8 U
Chloromethane	350 U	5.8 U	6.1 U	6.8 U	6.9 U
Cyclohexane	47.5 J	5.8 U	6.1 U	6.8 U	6.9 U
1,1-Dichloroethane	140 U	2.3 U	2.4 U	2.7 U	2.8 U
cis-1,2-Dichloroethene	1,400	1.3 J	2.4 U	2.7 U	2.8 U
trans-1,2-Dichloroethene	564	2.3 U	2.4 U	2.7 U	2.8 U
Ethylbenzene	29.5 J	2.3 U	2.4 U	2.7 U	2.8 U
Isopropylbenzene	350 U	5.8 U	6.1 U	6.8 U	6.9 U
Methylcyclohexane	152 J	5.8 U	6.1 U	6.8 U	6.9 U
Methylene chloride	140 U	2 J	2 J	2.6 J	2.6 J
Tetrachloroethene	140 U	4.3	2.4 U	2.7 U	2.8 U
Toluene	92.8 J	0.87 J	0.56 J	1 J	0.6 J
1,2,4-Trichlorobenzene	510	5.8 U	6.1 U	6.8 U	6.9 U
1,1,1-Trichloroethane	140 U	2.3 U	2.4 U	2.7 U	2.8 U
Trichloroethene	2,510	2.3 U	2.4 U	2.7 U	2.8 U
Vinyl chloride	176	2.3 U	2.4 U	2.7 U	2.8 U
Xylene (total)	155	0.36 J	2.4 U	0.54 J	2.8 U

Table 3

WSP Split Soil Sample Results
Overburden Boreholes
Initial Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
August through September 2013 (a)

Location:	LBA-MW-01	LBA-MW-02	LBA-MW-04		LBA-MW-08	LBA-MW-09	LBA-MW-11	LBA-MW-12	LBA-MW-17	LBA-MW-18	LBA-MW-19	LBA-MW-22
Depth (ft bgs):	1	6-7.5	6	9.5-10	0.6-1.4	0.5-2.3	0.5-2	0.1-2.4	5	1.9	0-1.9	7
Date Sampled:	08/12/13	08/13/13	08/15/13	08/15/13	08/19/13	08/19/13	08/20/13	08/21/13	08/26/13	08/26/13	08/27/13	08/28/13
Parameters												
Semi-Volatile Organic Compounds (µg/kg)												
Acenaphthene	510 U	110 U	70.9 J	-	-	-	-	-	-	-	-	-
Acenaphthylene	510 U	110 U	190	-	-	-	-	-	-	-	-	-
Acetophenone	2,600 U	540 U	580 U	-	-	-	-	-	-	-	-	-
Anthracene	97.6 J	110 U	303	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	510 U	110 U	873	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	510 U	110 U	801	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	510 U	110 U	957	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	510 U	110 U	1,040	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	510 U	110 U	706	-	-	-	-	-	-	-	-	-
Carbazole	510 U	110 U	186	-	-	-	-	-	-	-	-	-
Chrysene	510 U	110 U	999	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	510 U	110 U	228	-	-	-	-	-	-	-	-	-
Dibenzofuran	510 U	110 U	259	-	-	-	-	-	-	-	-	-
Diethyl phthalate	1,300 U	27.2 JB	290 U	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	1,300 U	270 U	272 J	-	-	-	-	-	-	-	-	-
Fluoranthene	510 U	110 U	1,610	-	-	-	-	-	-	-	-	-
Fluorene	510 U	110 U	63.6 J	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	510 U	110 U	674	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	173 J	110 U	435	-	-	-	-	-	-	-	-	-
Naphthalene	289 J	110 U	577	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	1,300 U	270 U	290 U	-	-	-	-	-	-	-	-	-
Phenanthrene	989	110 U	1,210	-	-	-	-	-	-	-	-	-
Pyrene	510 U	110 U	1,400	-	-	-	-	-	-	-	-	-
Polychlorindated Biphenyls (µg/kg)												
Aroclor 1260	-	-	-	-	-	-	-	-	-	-	-	-
Total PCBs	-	-	-	-	-	-	-	-	-	-	-	-

Table 3

WSP Split Soil Sample Results
Overburden Boreholes
Initial Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
August through September 2013 (a)

Location:	LBA-MW-24	LBA-MW-25	LBA-MW-26	LBA-MW-27	LBA-MW-28
Depth (ft bgs):	1	4	12	16-17.7	17-17.3
Date Sampled:	08/29/13	08/29/13	08/30/13	08/30/13	09/03/13
Parameters					
Semi-Volatile Organic Compounds (µg/kg)					
Acenaphthene	855	-	110 U	120 U	120 U
Acenaphthylene	493 J	-	110 U	120 U	120 U
Acetophenone	2,800 U	-	560 U	600 U	610 U
Anthracene	2,590	-	110 U	120 U	120 U
Benzo(a)anthracene	6,240	-	110 U	120 U	120 U
Benzo(a)pyrene	5,500	-	110 U	120 U	120 U
Benzo(b)fluoranthene	4,770	-	110 U	120 U	120 U
Benzo(g,h,i)perylene	3,080	-	110 U	120 U	120 U
Benzo(k)fluoranthene	4,600	-	110 U	120 U	120 U
Carbazole	1,160	-	110 U	120 U	120 U
Chrysene	5,980	-	110 U	120 U	120 U
Dibenzo(a,h)anthracene	1,070	-	110 U	120 U	120 U
Dibenzofuran	917	-	110 U	120 U	120 U
Diethyl phthalate	1,400 U	-	280 U	300 U	310 U
bis(2-Ethylhexyl)phthalate	1,400 U	-	280 U	300 U	310 U
Fluoranthene	12,600	-	110 U	120 U	120 U
Fluorene	1,100	-	110 U	120 U	120 U
Indeno(1,2,3-cd)pyrene	2,980	-	110 U	120 U	120 U
2-Methylnaphthalene	406 J	-	110 U	120 U	120 U
Naphthalene	625	-	110 U	120 U	120 U
N-Nitrosodiphenylamine	1,400 U	-	280 U	300 U	310 U
Phenanthrene	7,580	-	110 U	120 U	120 U
Pyrene	9,570	-	110 U	70 J	120 U
Polychlorindated Biphenyls (µg/kg)					
Aroclor 1260	11,300	-	38 U	40 U	40 U
Total PCBs	11,300	-	0	0	0

Table 3

WSP Split Soil Sample Results
Overburden Boreholes
Initial Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
August through September 2013 (a)

Location:	LBA-MW-01	LBA-MW-02	LBA-MW-04		LBA-MW-08	LBA-MW-09	LBA-MW-11	LBA-MW-12	LBA-MW-17	LBA-MW-18	LBA-MW-19	LBA-MW-22
Depth (ft bgs):	1	6-7.5	6	9.5-10	0.6-1.4	0.5-2.3	0.5-2	0.1-2.4	5	1.9	0-1.9	7
Date Sampled:	08/12/13	08/13/13	08/15/13	08/15/13	08/19/13	08/19/13	08/20/13	08/21/13	08/26/13	08/26/13	08/27/13	08/28/13
Parameters												
Metals (mg/kg)												
Arsenic	6.4	10.4	11.8	-	-	-	-	-	-	10.2	26.2	-
Barium	34.2	92.9	93.1	-	-	-	-	-	-	278	927	-
Cadmium	0.15 B	0.22 B	0.38	-	-	-	-	-	-	0.12 B	0.46	-
Chromium	22	16.2	112	-	-	-	-	-	-	18.4	16.4	-
Copper	-	-	-	-	-	-	-	-	-	9.5	-	-
Lead	10.5	23.1	74.5	-	-	-	-	-	-	14	88.5	-
Mercury	0.032 B	0.05	0.076	-	-	-	-	-	-	0.015 B	0.1	-
Selenium	0.86 U	0.92 U	0.51 B	-	-	-	-	-	-	0.51 B	1 U	-
Silver	0.4 B	0.46 U	0.46 U	-	-	-	-	-	-	0.48 U	0.22 B	-
Cyanide	0.61	0.13 U	0.23	-	-	-	-	-	-	0.13 U	-	-

Table 3

WSP Split Soil Sample Results
Overburden Boreholes
Initial Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
August through September 2013 (a)

Location:	**LBA-MW-24**	**LBA-MW-25**	**LBA-MW-26**	**LBA-MW-27**	**LBA-MW-28**
Depth (ft bgs):	**1**	**4**	**12**	**16-17.7**	**17-17.3**
Date Sampled:	**08/29/13**	**08/29/13**	**08/30/13**	**08/30/13**	**09/03/13**
Parameters					
Metals (mg/kg)					
Arsenic	8.1	-	-	-	-
Barium	124	-	-	-	-
Cadmium	0.49	-	-	-	-
Chromium	31.8	-	-	-	-
Copper	-	-	-	-	-
Lead	49.4	-	-	-	-
Mercury	0.11	-	-	-	-
Selenium	0.81 U	-	-	-	-
Silver	0.41 U	-	-	-	-
Cyanide	-	-	-	-	-

a/ ft bgs = feet below ground surface; µg/kg = micrograms per kilogram; mg/kg = milligrams per kilogram;
U = not detected above reporting limit
J = estimated below reporting limit but above method detection limit (volatiles)
B = estimated below reporting limit but above method detection limit (metals)
' - ' = Not analyzed

Table 4

WSP Split Soil Sample Results
Test Pits
Initial Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
August 2013 (a)

Location:	**LBA-TP-03**	**LBA-TP-08**	**LBA-TP-10A**	**LBA-TP-16A**	**LBA-TP-16B**
Date Sampled:	**08/08/13**	**08/08/13**	**08/09/13**	**08/09/13**	**08/09/13**
Parameters					
VOCs (µg/kg)					
Acetone	570 U	-	1,500 U	-	15.3
Benzene	29	-	73 U	-	0.6 U
cis-1,2-Dichloroethene	110 U	-	237 J	-	2.4 U
Ethylbenzene	30.1 J	-	290 U	-	2.4 U
Methylene chloride	110 U	-	290 U	-	18.7
Tetrachloroethene	110 U	-	11,700	-	2.4 U
Toluene	75.4 J	-	730 U	-	0.87 J
1,1,1-Trichloroethane	110 U	-	632	-	2.4 U
Trichloroethene	110 U	-	101,000	-	22.9
Vinyl chloride	110 U	-	290 U	-	0.72 J
Xylene (total)	117	-	290 U	-	2.4 U
PCBs (µg/kg)					
Aroclor 1254	-	18,900	-	-	-
Total PCBs	-	18,900	-	-	-
Metals (mg/kg)					
Arsenic	-	11.2	-	15.4	-
Barium	-	2,740	-	1,840	-
Cadmium	-	0.83	-	1.9	-
Chromium	-	168	-	106	-
Lead	-	96.9	-	252	-
Mercury	-	0.15	-	0.64	-
Silver	-	0.21 B	-	0.5 U	-
Cyanide	-	0.14 U	-	4.8	-

a/ ft bgs = feet below ground surface; µg/kg = micrograms per kilogram; mg/kg = milligrams per kilogram;
VOC = volatile organic compound; SVOC = semi-volatile organic compound; PCBs = polychlorinated biphenyls;
Data Qualifiers:
' - ' = Not analyzed
U = not detected above reporting limit
J = estimated below reporting limit but above method detection limit (volatiles)
B = estimated below reporting limit but above method detection limit (metals)

Table 5

Labella Supplemental Due Diligence Investigation
Monitoring Well Inventory
Emerson Power Transmission
Ithaca, New York
December 2013 through January 2014

Well	Completion Date	Top of Rock (ft bgs)	Steel Casing Depth (ft bgs)	TD (ft bgs)	Screened Interval (ft bgs)	Hydrogeologic Zone	Location
LBA-MW-34N	Dec-13	2.5	5.5	21	13 to 21	B-zone	Building 2
LBA-MW-34S	Dec-13	1	4	44	34 to 44	C-zone	Building 2
LBA-MW-35	Dec-13	2.1	5.1	25	NA	Open Interval in B-zone	Building 13A
LBA-MW-36	Dec-13	1.5	7	35	NA	Open Interval in B-zone	Building 8
LBA-MW-37	Dec-13	6	9	43.8	33.8 to 43.8	C-zone	Building 2/LBA-MW-29 Area
LBA-MW-38	Dec-13	8	11	35	NA	Open Interval in B-zone	Building 2/LBA-MW-29 Area
LBA-MW-39	Dec-13	11	14	25.5	NA	Open Interval in B-zone	West of Building 5/Adjacent to LBA-MW-26
LBA-MW-40N	Dec-13	2.8	6	18	NA	Open Interval in B-zone	Building 24
LBA-MW-40S	Dec-13	2.9	6	57	49 to 57	C-zone	Building 24
LBA-MW-41	Dec-13	1.5	5	25.5	NA	Open interval in B-zone	Building 24
LBA-MW-42N	Jan-14	0.7	3.7	25	NA	Open Interval in B-zone	Building 24
LBA-MW-42S	Jan-14	0.7	3.7	46	36 to 46	C-zone	Building 24
LBA-MW-43N	Jan-14	5.0	8	25	NA	Open Interval in B-zone	Building 35
LBA-MW-43S	Jan-14	6.0	9	47	36 to 47	C-zone	Building 35
LBA-MW-44E	Jan-14	2.1	5	12	NA	Open Interval in B-zone	Building 6A
LBA-MW-44W	Jan-14	2.1	5	40	30 to 40	C-zone	Building 6A

a/ ft bgs - feet below ground surface

Table 6

Soil Sample Results
Supplemental Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
December 2013 (a)

Location:	LBA-SB-501	LBA-SB-503	LBA-SB-504	LBA-SB-505	LBA-SB-509	LBA-SB-510	LBA-SB-511	LBA-SB-512	LBA-SB-513
Depth (ft bgs):	1-2	1-2	1-2	1-2	2.2	1.4	0.8-1	0.5	6.5-7.5
Date Sampled:	12/04/13	12/04/13	12/04/13	12/04/13	12/05/13	12/05/13	12/05/13	12/05/13	12/05/13
Parameters									
Volatile Organic Compounds (µg/kg)									
Benzene	0.66 U	0.55 U	0.45 U	0.65 U	0.55 U	0.65 U	0.6 U	-	-
Carbon disulfide	2.0 J	5.5 U	4.5 U	4.4 J	3.8 J	0.97 J	6 U	-	-
Cyclohexane	6.6 U	5.5 U	4.5 U	6.5 U	5.5 U	6.5 U	6 U	-	-
cis-1,2-Dichloroethene	2.6 U	6.9	1.8 U	2.6 U	2.2 U	2.6 U	2.4 U	-	-
Methylcyclohexane	6.6 U	5.5 U	4.5 U	6.5 U	5.5 U	6.5 U	6 U	-	-
Methylene chloride	2.6 U	2 J	1.5 J	2.2 J	2.2 U	2.6 U	2.6	-	-
Tetrachloroethene	2.6 U	2.2 U	1.8 U	2.6 U	2.2 U	2.6 U	2.4 U	-	-
Toluene	6.6 U	5.5 U	4.5 U	6.5 U	5.5 U	6.5 U	2.3 J	-	-
Trichloroethene	3	12	7.2	2.6 U	1.6 J	2.6 U	2.4 U	-	-
Xylene (total)	2.6 U	2.2 U	1.8 U	2.6 U	2.2 U	2.6 U	2.4 U	-	-
Metals (mg/kg)									
Arsenic	-	-	-	-	-	-	-	6	8.9
Barium	-	-	-	-	-	-	-	288	3,020
Cadmium	-	-	-	-	-	-	-	0.23 B	0.77
Chromium	-	-	-	-	-	-	-	40.1	28.9
Lead	-	-	-	-	-	-	-	92.4	403
Mercury	-	-	-	-	-	-	-	0.14	0.078
Selenium	-	-	-	-	-	-	-	0.93 U	0.5 B
Cyanide	-	-	-	-	-	-	-	14.3	10.4

Table 6

Soil Sample Results
Supplemental Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
December 2013 (a)

Location:	LBA-SB-514	LBA-SB-515	LBA-SB-517	LBA-SB-518			LBA-SB-519	LBA-SB-521	LBA-SB-522
Depth (ft bgs):	1	1	1-1.5	3-4	4-6	8	8	1-1.5	0-0.9
Date Sampled:	12/05/13	12/05/13	12/06/13	12/06/13	12/06/13	12/06/13	12/06/13	12/13/13	12/13/13
Parameters									
Volatile Organic Compounds (µg/kg)									
Benzene	2.4	-	26 U	27 U	-	4.5	0.68 U	0.63 U	0.56 U
Carbon disulfide	15.6	-	260 U	270 U	-	9.9	1.4 J	2.3 J	5.6 U
Cyclohexane	7.6	-	260 U	270 U	-	2.2 J	6.8 U	6.3 U	5.6 U
cis-1,2-Dichloroethene	2.4 U	-	100 U	110 U	-	2.2 U	2.7 U	2.5 U	2.2 U
Methylcyclohexane	11.6	-	260 U	270 U	-	1.4 J	6.8 U	6.3 U	5.6 U
Methylene chloride	2.4 U	-	100 U	110 U	-	4.7	2.7 U	2.5 U	3.3
Tetrachloroethene	2.4	-	71.3 J	110 U	-	2.2 U	2.7 U	2.5 U	2.2 U
Toluene	18.7	-	260 U	270 U	-	3.2 J	6.8 U	6.3 U	5.6 U
Trichloroethene	2.4 U	-	2,690	114	-	46.1	4.6	2.5 U	2.2 U
Xylene (total)	3.4	-	100 U	110 U	-	1.2 J	2.7 U	2.5 U	2.2 U
Metals (mg/kg)									
Arsenic	5.5	19.7	-	-	10.4	-	-	-	-
Barium	106	148	-	-	196	-	-	-	-
Cadmium	0.34 U	0.53	-	-	1	-	-	-	-
Chromium	10.6	12.6	-	-	33.5	-	-	-	-
Lead	13.4	264	-	-	181	-	-	-	-
Mercury	0.023 B	0.74	-	-	0.072	-	-	-	-
Selenium	0.84 U	1.2	-	-	0.95 U	-	-	-	-
Cyanide	0.13 U	2.1	-	-	-	-	-	-	-

a/ ft bgs = feet below ground surface; µg/kg = micrograms per kilogram; mg/kg = milligrams per kilogram
TIC = tentatively identified compound; "-" indicates not analyzed
Data Qualifiers:
U = not detected above reporting limit
J = estimated below reporting limit but above method detection limit
B = estimated below reporting limit but above method detection limit
^ = instrument-related QC exceeds the control limits

Table 7

WSP Split Groundwater Sample Inventory
Labella Due Diligence Investigations
Emerson Power Transmission
Ithaca, New York

Well	Sample ID	Sample Date	Analyses	Sample Collection Method	Sample Notes
LBA-MW-29	EPT-GW-MW29-1719	12/3/2013	VOCs	PDB	-
	EPT-GW-MW29-2729	12/3/2013	VOCs	PDB	-
	EPT-GW-MW29-3234	12/3/2013	VOCs	PDB	-
	EPT-GW-MW29-3739	12/3/2013	VOCs	PDB	-
	EPT-GW-MW29-4244	12/3/2013	VOCs	PDB	-
	EPT-GW-MW29-4749	12/3/2013	VOCs	PDB	-
	EPT-GW-MW29	1/6/2014	VOCs	PDB	-
LBA-MW-34N	LBA-GW-MW34N(SRX)	12/9/2013	VOCs	Peristaltic/Grab	Open Rock Socket
	LBA-MW-34N	12/22/2013	VOCs, RCRA Metals	Low-Flow/Bladder	Purged Dry/Sampled next day
	EPT-GW-MW34N	1/7/2014	VOCs	PDB	-
LBA-MW-34S	EPT-GW-MW34S-SRX	12/4/2013	VOCs	Peristaltic/Grab	Open Rock Socket Sample
	LBA-MW-34S	12/22/2013	VOCs, RCRA Metals	Bailer/Grab	Purged Dry/Sampled next day
	EPT-GW-MW34S	1/7/2014	VOCs	PDB	-
LBA-MW-35	LBA-MW-35-SRX	12/4/2013	RCRA Metals	Peristaltic/Grab	Open Rock Socket Sample
	LBA-MW-35	1/16/2014	VOCs, RCRA Metals, cyanide	Low-Flow/Bladder	2.5 feet of Drawdown
LBA-MW-36	LBA-GW-MW36(SRX)	12/6/2013	RCRA Metals	Peristaltic/Grab	Open Rock Socket Sample
	LBA-MW-36	1/16/2014	VOCs, RCRA Metals, cyanide	Low-Flow/Bladder	2.3 feet of drawdown/Sampled after recharge
LBA-MW-37	LBA-MW-37	12/22/2013	VOCs	Bailer/Grab	Purged Dry/Sampled next day
	EPT-GW-MW37	1/6/2014	VOCs	PDB	-
LBA-MW-38	LBA-MW-38	12/22/2013	VOCs	Bailer/Grab	Highly Turbid - No metals split collected
	EPT-GW-MW38	1/6/2014	VOCs	PDB	-
LBA-MW-39	LBA-GW-MW39(SRX)	12/9/2013	VOCs, RCRA Metals, cyanide	Peristaltic/Grab	Open Rock Socket Sample
	LBA-MW-39	1/15/2014	VOCs, RCRA Metals, cyanide	Low-Flow/Peristaltic	1.5 feet of drawdown
LBA-MW-40N	LBA-MW-40-N	1/16/2014	VOCs, RCRA Metals	Low-Flow/Peristaltic	2 feet of drawdown
LBA-MW-40S	LBA-GW-MW40S(SRX)	12/11/2013	VOCs	Peristaltic/Grab	Open Rock Socket Sample
	LBA-MW-40-S	1/16/2014	VOCs, RCRA Metals	Low-Flow/Peristaltic	2 feet of drawdown
LBA-MW-41	LBA-GW-MW41(SRX)	12/12/2013	VOCs	Peristaltic/Grab	Open Rock Socket Sample
	LBA-MW-41	1/16/2014	VOCs, RCRA Metals	Low-Flow/Peristaltic	3.5 feet of drawdown
LBA-MW-42N	LBA-MW-42-N	1/16/2014	VOCs, RCRA Metals	Low-Flow/Peristaltic	5.8 feet of drawdown
LBA-MW-42S	LBA-MW-42-S	1/16/2014	VOCs, RCRA Metals	Low-Flow/Bladder	4 feet of drawdown
LBA-MW-43N	LBA-MW-43-N	1/15/2014	VOCs, RCRA Metals, cyanide	Low-Flow/Bladder	2 feet of drawdown
LBA-MW-43S	LBA-MW-43-S	1/15/2014	VOCs, RCRA Metals, cyanide	Low-Flow/Peristaltic	12 feet of drawdown
LBA-MW-44E	LBA-MW-44-E	1/16/2014	VOCs, cyanide	Low-Flow/Peristaltic	Less than 1 foot of drawdown
LBA-MW-44W	LBA-MW-44-W	1/15/2014	VOCs, RCRA Metals, cyanide	Low-Flow/Peristaltic	2.7 feet of drawdown

a/ ft bgs - feet below ground surface; VOCs - Volatile Organic Compounds, RCRA = Resource Conservation and Recovery Act.

Table 8

WSP Split Water Sample Results
Rock Sockets
Supplemental Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
December 2013 (a)

Well:	LBA-MW-34N	LBA-MW-34S	LBA-MW-35	LBA-MW-36	LBA-MW-39	LBA-MW-40S	LBA-MW-41
Depth (ft bgs):	0-10	0-4	2.1-5.1	0-7	0-14	2.8-6	2-5
Collection Method:	peristaltic	peristaltic	peristaltic	peristaltic	peristaltic	peristaltic	peristaltic
Date Sampled:	12/09/13	12/04/13	12/04/13	12/06/13	12/09/13	12/09/13	12/12/13
Parameters							
Volatile Organic Compounds (µg/l)							
Acetone	8 J	10 U	-	-	10 U	10 U	10 U
Benzene	0.59	0.5 U	-	-	0.5 U	0.5 U	0.5 U
Bromodichloromethane	1 U	1.2	-	-	1 U	1.2	1 U
Chloroethane	13.6	2 U	-	-	53.5	2 U	2 U
Chloroform	3	1.1	-	-	1 U	6.7	1 U
1,1-Dichloroethane	1.5	1 U	-	-	500	1 U	1 U
1,1-Dichloroethene	1 U	1 U	-	-	58.7	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	-	-	20.4	19.8	7.4
Toluene	1.1	0.65 J	-	-	22.9	0.76 J	4
1,1,1-Trichloroethane	1 U	1 U	-	-	609	1 U	1 U
Trichloroethene	1 U	1 U	-	-	4.6	15.1	11.7
Vinyl chloride	1 U	1 U	-	-	7.4	2.1	0.92 J
Total TIC, Volatile (b)	0	0	-	-	9.5	0	0
Metals (µg/l) (c)							
Arsenic	-	-	480 D	5.5	32.3	-	-
Barium	-	-	31,200 D	101	251	-	-
Cadmium	-	-	20.0 U	4.0 U	0.6 B	-	-
Chromium	-	-	2,190 D	18.2	20.5	-	-
Lead	-	-	465 D	43.6	5.1	-	-
Mercury	-	-	-	0.2 U	0.2 U	-	-
Silver	-	-	208 D	1.2 B	1.0 B	-	-
Cyanide	-	-	10 U	1,900	350	-	-

Table 8

WSP Split Water Sample Results
Rock Sockets
Supplemental Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
December 2013 (a)

NOTES:

a/ ft bgs = feet below ground surface; µg/l = micrograms per liter

Data Qualifiers:

U = not detected above reporting limit

J = estimated below reporting limit but above method detection limit

B = estimated below reporting limit but above method detection limit (metals)

D = result from a dilution

b/ Because the concentration reflects the sum reported, qualifiers that may apply to individual TICs are not presented.

c/ None of the samples were filtered.

Table 9

WSP Split Groundwater Sample Results
Monitoring Wells
Supplemental Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
November 2013 through January 2014 (a)

Well:	LBA-MW-29							LBA-MW-34N		LBA-MW-34S		LBA-MW-35	LBA-MW-36
Depth (ft bgs):	17-19	20-22	27-29	32-34	37-39	42-44	47-49	13-21	18-20	34-44	41-43	5.1-32	7-35
Collection Method:	PDB	PDB	PDB	PDB	PDB	PDB	PDB	Bladder Pump	PDB	Bailer	PDB	Bladder Pump	Bladder Pump
Date Sampled:	12/03/13	01/06/14	12/03/13	12/03/13	12/03/13	12/03/13	12/03/13	12/22/13	01/07/14	12/22/13	01/07/14	01/16/14 (d)	01/16/14
Parameters													
Volatile Organic Compounds (µg/l)													
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	229	7.6 J	10 U	10 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.47 J	2	0.46 J	0.5 U	0.5 U	0.84	2	0.5 U	0.5 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	7.5	5.5	1 U	1 U
Cyclohexane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.9 J	5 U	5 U	5 U
1,1-Dichloroethane	4	7.3	20.2	25.5	26	17.8	13.4	2.3	1.3	1 U	1 U	1 U	1 U
1,1-Dichloroethene	159 U	1.4	3.9	4.9	4.7	2.2	2.3	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	101	237	364	444	482	288	249	5.3	2.3	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	3.2	5	11.2	14.8	14	9.3	6.8	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	0.56 J	0.79 J	1.6	0.56 J	1 U	1 U	2.5	2.3	1 U	1 U
Isopropylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.82 J	5 U	5 U	5 U
Methylcyclohexane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.3	1.3 J	5 U	1.3 J
4-Methyl-2-pentanone (MIBK)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.3 J	5 U	5 U	5 U
Methylene chloride	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1.1 J	1.6 J	2 U	2 U
Toluene	0.81 J	0.81 J	3	5.4	7.2	15.4	5.6	1 U	1 U	10.5	19.5	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1.9	2.5	2.6	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	0.69 J	2	1.5	1.8	2	0.91 J	1 U	2.3	1.6	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	5 U	-	2.9 J	-	5 U	0.63 J
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	5 U	-	3.6 J	-	5 U	5 U
Vinyl chloride	44.8	115	220	276	286	288	210	1 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	-	-	-	-	-	-	-	-	-	10.7	-	1 U	1.4
o-Xylene	-	-	-	-	-	-	-	-	-	7.2	-	1 U	0.48 J
Xylene (total)	1 U	11.4	3	5.5	7.3	13.8	5.5	1 U	1 U	17.9	24.8	1 U	1.9
Total TIC, Volatile (b)	0	0	0	0	0	0	0	0	0	151.5	4	0	0
Final Turbidity (NTUs)	NA	NA	NA	NA	NA	NA	NA	2.56	NA	13.7	NA	3.09	4.67 (e)
Metals (µg/l) (c)													
Arsenic	-	-	-	-	-	-	-	4 U	-	14.8	-	4 U	4 U
Barium	-	-	-	-	-	-	-	6,150	-	78.1	-	4,730	689
Chromium	-	-	-	-	-	-	-	22.8	-	16.2	-	10 U	21.7
Lead	-	-	-	-	-	-	-	5 U	-	5 U	-	5 U	5 U
Selenium	-	-	-	-	-	-	-	10 U	-	6.0 B	-	10 U	10 U
Cyanide	-	-	-	-	-	-	-	-	-	-	-	600	12,200

Table 9

WSP Split Groundwater Sample Results
Monitoring Wells
Supplemental Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
November 2013 through January 2014 (a)

Well:	LBA-MW-37		LBA-MW-38		LBA-MW-39	LBA-MW-40N	LBA-MW-40S	LBA-MW-41	LBA-MW-42N	LBA-MW-42S	LBA-MW-43N	LBA-MW-43S
Depth (ft bgs):	37-44	41-43	11-35	32-34	14-25.5	6-18	49-57	5-25.5	4-25	36-46	8-25	36-47
Collection Method:	Bailer	PDB	Bailer	PDB	Peristaltic	Peristaltic	Bladder Pump	Peristaltic	Peristaltic	Bladder Pump	Peristaltic	Bladder Pump
Date Sampled:	12/22/13	01/06/14	12/22/13	01/06/14	01/15/14 (e)	01/16/14 (e)	01/16/14 (e)	01/16/14 (e)	01/16/14 (e)	01/16/14 (e)	01/15/14 (e)	01/15/14 (e)
Parameters												
Volatile Organic Compounds (µg/l)												
Acetone	10 U	10 U	2.9 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	1 U	0.34 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	5 U	0.9 J	5 U	5 U	5 U	5 U	0.75 J	5 U	5 U	5 U	1.4 J	1.7 J
Chloroethane	2 U	2 U	2 U	2 U	12.6	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chloroform	4.8	4.8	1.2	0.96 J	1 U	0.98 J	1 U	1.5	3.4	2.7	1 U	2.2
Cyclohexane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	1 U	1 U	0.54 J	1.1	87.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	7.2	14.9	3.9	1 U	1 U	43.9	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	0.45 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	2.3 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone (MIBK)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	0.94 J	1.3 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Toluene	2	0.78 J	1.5	0.62 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	90.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1.3	1 U	1 U	3.8	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	0.78 J	-	0.73 J	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3,5-Trimethylbenzene	5 U	-	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	1 U	1 U	1.1	3	1 U	1 U	1 U	7.5	1 U	1 U	1 U	1 U
m,p-Xylene	2.5 J	-	2	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	0.96	-	0.67 J	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylene (total)	3.5	1 U	2.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total TIC, Volatile (b)	2.4	0	7.8	0	0	0	0	0	0	0	0	0
Final Turbidity (NTUs)	NM	NA	NM	NA	22.1	13.2	96.2	2.16	25.1	19.3 (e)	3.23 (e)	6.08
Metals (µg/l) (c)												
Arsenic	-	-	-	-	3.4 B	4.7	4 U	5.9	3.1 B	4 U	4 U	4 U
Barium	-	-	-	-	936	746	136	1,300	687	2,700	699	6,230
Chromium	-	-	-	-	10 U	7 B	15.3	10 U	10 U	10 U	10 U	1.8 B
Lead	-	-	-	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Selenium	-	-	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyanide	-	-	-	-	180	-	-	-	-	-	2,600	380

Table 9

WSP Split Groundwater Sample Results
Monitoring Wells
Supplemental Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
November 2013 through January 2014 (a)

Parameters	LBA-MW-44E 5-12 Peristaltic 01/16/14 (e)	LBA-MW-44W 30-40 Peristaltic 01/15/14 (e)
Volatile Organic Compounds (µg/l)		
Acetone	10 U	10 U
Benzene	0.5 U	0.5 U
Bromodichloromethane	1 U	1 U
Carbon disulfide	5 U	1.3 J
Chloroethane	2 U	2 U
Chloroform	2	1 U
Cyclohexane	5 U	5 U
1,1-Dichloroethane	1 U	0.66 J
1,1-Dichloroethene	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U
Ethylbenzene	1 U	1 U
Isopropylbenzene	5 U	5 U
Methylcyclohexane	5 U	5 U
4-Methyl-2-pentanone (MIBK)	5 U	5 U
Methylene chloride	2 U	2 U
Toluene	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U
Trichloroethene	1 U	1 U
1,2,4-Trimethylbenzene	5 U	5 U
1,3,5-Trimethylbenzene	5 U	5 U
Vinyl chloride	1 U	1 U
m,p-Xylene	1 U	1 U
o-Xylene	1 U	1 U
Xylene (total)	1 U	1 U
Total TIC, Volatile (b)	0	0
Final Turbidity (NTUs)	2.34 (e)	765
Metals (µg/l) (c)		
Arsenic	-	4 U
Barium	-	2,280
Chromium	-	10 U
Lead	-	5 U
Selenium	-	10 U
Cyanide	690	820

Table 9

WSP Split Groundwater Sample Results
Monitoring Wells
Supplemental Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
November 2013 through January 2014 (a)

NOTES:
a/ ft bgs = feet below ground surface; µg/l = micrograms per liter; PDB = passive diffusion bag;
NTUs = nephelometric turbidity units; NA = not analyzed
Data Qualifiers:
U = not detected above reporting limit
J = estimated below reporting limit but above method detection limit
B = estimated below reporting limit but above method detection limit (metals) or constituent also found in an associated blank (volatiles)
D = result from a dilution
b/ Because the concentration reflects the sum reported, qualifiers that may apply to individual TICs are not presented.
c/ None of the samples were filtered
d/ Data are preliminary pending receipt of the final laboratory report.
e/ Turbidity Meter Failed before sample was collected.
f/ Purge suspended to allow recharge before collecting sample.

Table 10

WSP Split Groundwater Sample Results
Temporary Well
Supplemental Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
December 2013 (a)

Location	**LBA-SB-503**
Depth (ft bgs):	**0-2**
Collection Method:	**Bailer**
Date Sampled:	**12/17/13**

Parameters	
Volatile Organic Compounds (µg/l)	
Acetone	24.3
cis-1,2-Dichloroethene	11.7
Trichloroethene	8

a/ ft bgs = feet below ground surface; µg/l = micrograms per liter

Table 11

WSP Split Water Sample Results
Building 24 Transformer Pad
Pipe Discharge
Supplemental Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
December 2013 (a)

	Discharge to Surface Water - Bldg. 24 (b)
Location:	
Collection Method:	**Grab**
Date Sampled:	**12/11/13**

Parameters	
Volatile Organic Compounds (µg/l)	
Trichloroethene	25.6
Polychlorinated Biphenyls (µg/l)	
Total Polychlorinated Biphenyls	All ND

a/ µg/l = micrograms per liter;
ND - not detected

b/ Discharge from 4-inch diameter steel pipe underlying Building 24, daylighting to the north from beneath the transformer pad and discharging to a storm water ditch along the drive/parking area.

Table 12

WSP MW-35 LNAPL Sample Results
Supplemental Due Diligence Investigation
Emerson Power Transmission
Ithaca, New York
January 2014 (a)

Location:	**LBA-MW-35**
Collection Method:	**Bailer**
Date Sampled:	**01/02/14**

Parameters

Volatile Organic Compounds	**(µg/kg)**	
n-Butylbenzene	392	J
sec-Butylbenzene	319	J
Tetrachloroethene	1,800	U
1,2,4-Trimethylbenzene	235	J

Semi-Volatile Organic Compounds (b)	
Gasoline (C4-C12)	No Match
Turpentine (C9-C11)	No Match
Mineral Spirits (C9-C12)	No Match
Kerosene (C9-C18)	No Match
Diesel Fuel (C9-C22)	No Match
Fuel Oil #2 (C11-C22)	No Match
Fuel Oil #4 (C11-C24)	No Match
Fuel Oil #6 (C11-C26)	No Match
Lubricating Oil (C14-C40)	Match
Other Patterns	No Match

Polychlorinated Biphenyls	
Total PCBs	All ND (b)

a/ LNAPL = light non-aqueous phase liquid; ft TOC = feet below top of casing;
µg/kg = micrograms per kilogram;; ND - not detected
Data Qualifiers:
U = not detected above reporting limit
J = estimated below reporting limit but above method detection limit

b/ Information provided to indicate analysis was performed.

Enclosure A

New England ACCUTEST LABORATORIES

08/20/13

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY 4255-5

Accutest Job Number: MC23228

Sampling Dates: 07/30/13 - 07/31/13

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **370**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) ISO 17025:2005 (L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC23228

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Project No: 4255-5

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC23228-1	07/30/13	14:48	GMB	08/02/13	SO	Soil	SB-204/6.5
MC23228-2	07/30/13	15:45	GMB	08/02/13	SO	Soil	SB-207/3'
MC23228-3	07/31/13	14:05	GMB	08/02/13	SO	Soil	SB-216/7-8'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environmental & Energy **Job No** MC23228

Site: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, **Report Date** 8/20/2013 9:46:40 AM

3 Sample(s) were collected on between 07/30/2013 and 07/31/2013 and were received at Accutest on 08/02/2013 properly preserved, at 0.6 Deg. C and intact. These Samples received an Accutest job number of MC23228. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix SO **Batch ID:** MSK2375

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC23133-1MS, MC23133-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- MSK2375-BS for Chloromethane: Outside control limits. Associated samples are non-detect for this compound.
- MC23133-1MS/MSD for Chloromethane: Outside control limits. Associated samples are non-detect for this compound.

Matrix SO **Batch ID:** MSK2376

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC23228-1MS, MC23228-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Chloromethane, Tetrachloroethene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for Chloromethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- MSK2376-BS for Chloromethane: Outside control limits. Associated samples are non-detect for this compound.

Extractables by GCMS By Method SW846 8270C

Matrix SO **Batch ID:** OP34292

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23133-1MS, MC23133-1MSD were used as the QC samples indicated.
- OP34292-BS/MS/MSD Recovery(s) for Hexachlorocyclopentadiene are outside control limits. Blank Spike meets program technical requirements.
- OP34292-MS/MSD Recovery(s) for Fluoranthene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- OP34292-MS/MSD Recovery(s) for 2,4-Dinitrophenol, Atrazine, Benzaldehyde, Caprolactam, Naphthalene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- OP34292-BS/MS/MSD for Acetophenone, N-Nitrosodiphenylamine: Outside control limits. Associated samples are non-detect for this compound.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix	SO	Batch ID:	GN43874

- Sample(s) MC23218-2DUP were used as the QC samples for Solids, Percent.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC23228).

Summary of Hits

Job Number: MC23228
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Collected: 07/30/13 thru 07/31/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC23228-1	**SB-204/6.5**					
Total TIC, Volatile		13930 J			ug/kg	
bis(2-Ethylhexyl)phthalate		41.3 J	250	9.4	ug/kg	SW846 8270C
Total TIC, Semi-Volatile		15270 J			ug/kg	
MC23228-2	**SB-207/3'**					
Ethylbenzene		10 J	110	9.7	ug/kg	SW846 8260B
Methylcyclohexane		214 J	270	12	ug/kg	SW846 8260B
Trichloroethene		170	110	26	ug/kg	SW846 8260B
Xylene (total)		105 J	110	11	ug/kg	SW846 8260B
Total TIC, Volatile		27750 J			ug/kg	
bis(2-Ethylhexyl)phthalate		37.9 J	250	9.3	ug/kg	SW846 8270C
Total TIC, Semi-Volatile		8700 J			ug/kg	
MC23228-3	**SB-216/7-8'**					
Isopropylbenzene		23.2 J	340	19	ug/kg	SW846 8260B
Total TIC, Volatile		37680 J			ug/kg	
Benzo(a)anthracene		25.9 J	120	15	ug/kg	SW846 8270C
Chrysene		38.0 J	120	15	ug/kg	SW846 8270C
bis(2-Ethylhexyl)phthalate		209 J	290	11	ug/kg	SW846 8270C
Fluoranthene		33.8 J	120	16	ug/kg	SW846 8270C
Naphthalene		20.9 J	120	19	ug/kg	SW846 8270C
Phenanthrene		41.9 J	120	16	ug/kg	SW846 8270C
Pyrene		52.9 J	120	14	ug/kg	SW846 8270C
Total TIC, Semi-Volatile		560 J			ug/kg	

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@140569 16:21 20-Aug-2013

Report of Analysis

Client Sample ID:	SB-204/6.5		
Lab Sample ID:	MC23228-1	**Date Sampled:**	07/30/13
Matrix:	SO - Soil	**Date Received:**	08/02/13
Method:	SW846 8260B	**Percent Solids:**	97.5
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K72993.D	1	08/09/13	GK	n/a	n/a	MSK2376
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.1 g	10.0 ml	100 ul
Run #2			

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	470	180	ug/kg	
71-43-2	Benzene	ND	24	12	ug/kg	
75-27-4	Bromodichloromethane	ND	95	17	ug/kg	
75-25-2	Bromoform	ND	95	14	ug/kg	
74-83-9	Bromomethane	ND	95	46	ug/kg	
78-93-3	2-Butanone (MEK)	ND	240	150	ug/kg	
75-15-0	Carbon disulfide	ND	240	7.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	95	55	ug/kg	
108-90-7	Chlorobenzene	ND	95	13	ug/kg	
75-00-3	Chloroethane	ND	240	28	ug/kg	
67-66-3	Chloroform	ND	95	14	ug/kg	
74-87-3	Chloromethane	ND	240	58	ug/kg	
110-82-7	Cyclohexane	ND	240	13	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	240	96	ug/kg	
124-48-1	Dibromochloromethane	ND	95	20	ug/kg	
106-93-4	1,2-Dibromoethane	ND	95	27	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	95	9.9	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	95	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	95	9.6	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	95	53	ug/kg	
75-34-3	1,1-Dichloroethane	ND	95	16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	95	26	ug/kg	
75-35-4	1,1-Dichloroethene	ND	95	25	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	95	24	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	95	21	ug/kg	
78-87-5	1,2-Dichloropropane	ND	95	20	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	95	14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	95	14	ug/kg	
100-41-4	Ethylbenzene	ND	95	8.4	ug/kg	
76-13-1	Freon 113	ND	240	43	ug/kg	
591-78-6	2-Hexanone	ND	240	120	ug/kg	
98-82-8	Isopropylbenzene	ND	240	13	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-204/6.5		
Lab Sample ID:	MC23228-1	**Date Sampled:**	07/30/13
Matrix:	SO - Soil	**Date Received:**	08/02/13
Method:	SW846 8260B	**Percent Solids:**	97.5
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	240	130	ug/kg	
108-87-2	Methylcyclohexane	ND	240	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	95	19	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	240	88	ug/kg	
75-09-2	Methylene chloride	ND	95	73	ug/kg	
100-42-5	Styrene	ND	240	9.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	95	14	ug/kg	
127-18-4	Tetrachloroethene	ND	95	21	ug/kg	
108-88-3	Toluene	ND	240	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	240	17	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	95	8.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	95	16	ug/kg	
79-01-6	Trichloroethene	ND	95	22	ug/kg	
75-69-4	Trichlorofluoromethane	ND	95	50	ug/kg	
75-01-4	Vinyl chloride	ND	95	27	ug/kg	
1330-20-7	Xylene (total)	ND	95	9.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
2216-33-3	Octane, 3-methyl-	13.05	650	ug/kg	JN
111-84-2	Nonane	13.44	1400	ug/kg	JN
5911-04-6	Nonane, 3-methyl-	14.52	1600	ug/kg	JN
13151-35-4	Decane, 5-methyl-	15.65	1100	ug/kg	JN
2847-72-5	Decane, 4-methyl-	15.69	940	ug/kg	JN
6975-98-0	Decane, 2-methyl-	15.73	1000	ug/kg	JN
13151-34-3	Decane, 3-methyl-	15.83	1200	ug/kg	JN
1120-21-4	Undecane	16.16	3900	ug/kg	JN
13150-81-7	2,6-Dimethyldecane	16.83	640	ug/kg	JN
112-40-3	Dodecane	17.32	1500	ug/kg	JN
	Total TIC, Volatile		13930	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SB-204/6.5		
Lab Sample ID:	MC23228-1	**Date Sampled:**	07/30/13
Matrix:	SO - Soil	**Date Received:**	08/02/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	97.5
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F66078.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	250	11	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	510	13	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	510	15	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	510	82	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1000	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	510	63	ug/kg	
95-48-7	2-Methylphenol	ND	510	20	ug/kg	
	3&4-Methylphenol	ND	510	25	ug/kg	
88-75-5	2-Nitrophenol	ND	510	14	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	95	ug/kg	
87-86-5	Pentachlorophenol	ND	510	36	ug/kg	
108-95-2	Phenol	ND	250	14	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	510	13	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	510	12	ug/kg	
83-32-9	Acenaphthene	ND	100	14	ug/kg	
208-96-8	Acenaphthylene	ND	100	10	ug/kg	
98-86-2	Acetophenone	ND	510	11	ug/kg	
120-12-7	Anthracene	ND	100	12	ug/kg	
1912-24-9	Atrazine	ND	510	510	ug/kg	
100-52-7	Benzaldehyde	ND	510	510	ug/kg	
56-55-3	Benzo(a)anthracene	ND	100	13	ug/kg	
50-32-8	Benzo(a)pyrene	ND	100	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	100	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	100	10	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	100	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	510	100	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	250	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	250	10	ug/kg	
105-60-2	Caprolactam	ND	510	510	ug/kg	
91-58-7	2-Chloronaphthalene	ND	250	14	ug/kg	
106-47-8	4-Chloroaniline	ND	510	13	ug/kg	
86-74-8	Carbazole	ND	100	12	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-204/6.5		
Lab Sample ID:	MC23228-1	**Date Sampled:**	07/30/13
Matrix:	SO - Soil	**Date Received:**	08/02/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	97.5
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	100	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	250	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	250	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	250	18	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	250	16	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	510	34	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	510	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	250	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	100	12	ug/kg	
132-64-9	Dibenzofuran	ND	100	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	250	27	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	250	7.9	ug/kg	
84-66-2	Diethyl phthalate	ND	250	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	250	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	41.3	250	9.4	ug/kg	J
206-44-0	Fluoranthene	ND	100	14	ug/kg	
86-73-7	Fluorene	ND	100	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	250	16	ug/kg	
87-68-3	Hexachlorobutadiene	ND	250	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	510	130	ug/kg	
67-72-1	Hexachloroethane	ND	250	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	100	11	ug/kg	
78-59-1	Isophorone	ND	250	12	ug/kg	
91-57-6	2-Methylnaphthalene	ND	100	13	ug/kg	
88-74-4	2-Nitroaniline	ND	510	13	ug/kg	
99-09-2	3-Nitroaniline	ND	510	28	ug/kg	
100-01-6	4-Nitroaniline	ND	510	13	ug/kg	
91-20-3	Naphthalene	ND	100	16	ug/kg	
98-95-3	Nitrobenzene	ND	250	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	250	14	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	250	15	ug/kg	
85-01-8	Phenanthrene	ND	100	14	ug/kg	
129-00-0	Pyrene	ND	100	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	75%		30-130%
4165-62-2	Phenol-d5	74%		30-130%
118-79-6	2,4,6-Tribromophenol	66%		30-130%
4165-60-0	Nitrobenzene-d5	81%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-204/6.5		
Lab Sample ID:	MC23228-1	**Date Sampled:**	07/30/13
Matrix:	SO - Soil	**Date Received:**	08/02/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	97.5
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	78%		30-130%
1718-51-0	Terphenyl-d14	86%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-18-5	Decane	4.11	1200	ug/kg	JN
629-50-5	Tridecane	5.92	1200	ug/kg	JN
629-59-4	Tetradecane	6.45	1900	ug/kg	JN
17312-62-8	Decane, 5-propyl-	6.69	700	ug/kg	JN
629-62-9	Pentadecane	6.94	1700	ug/kg	JN
544-76-3	Hexadecane	7.42	1600	ug/kg	JN
31081-17-1	Nonane, 2-methyl-5-propyl-	7.63	670	ug/kg	JN
629-78-7	Heptadecane	7.89	1500	ug/kg	JN
593-45-3	Octadecane	8.35	1300	ug/kg	JN
629-92-5	Nonadecane	8.81	1200	ug/kg	JN
112-95-8	Eicosane	9.26	970	ug/kg	JN
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl	9.67	820	ug/kg	JN
54833-23-7	Eicosane, 10-methyl-	10.06	510	ug/kg	JN
	Total TIC, Semi-Volatile		15270	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@140569 16:21 20-Aug-2013

Report of Analysis

Client Sample ID:	SB-207/3'		
Lab Sample ID:	MC23228-2	**Date Sampled:**	07/30/13
Matrix:	SO - Soil	**Date Received:**	08/02/13
Method:	SW846 8260B	**Percent Solids:**	97.3
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K72972.D	1	08/08/13	GK	n/a	n/a	MSK2375
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.67 g	10.0 ml	100 ul
Run #2			

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	550	210	ug/kg	
71-43-2	Benzene	ND	27	13	ug/kg	
75-27-4	Bromodichloromethane	ND	110	20	ug/kg	
75-25-2	Bromoform	ND	110	16	ug/kg	
74-83-9	Bromomethane	ND	110	53	ug/kg	
78-93-3	2-Butanone (MEK)	ND	270	170	ug/kg	
75-15-0	Carbon disulfide	ND	270	8.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	110	63	ug/kg	
108-90-7	Chlorobenzene	ND	110	15	ug/kg	
75-00-3	Chloroethane	ND	270	33	ug/kg	
67-66-3	Chloroform	ND	110	16	ug/kg	
74-87-3	Chloromethane	ND	270	66	ug/kg	
110-82-7	Cyclohexane	ND	270	14	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	270	110	ug/kg	
124-48-1	Dibromochloromethane	ND	110	23	ug/kg	
106-93-4	1,2-Dibromoethane	ND	110	31	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	110	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	110	12	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	110	11	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	110	61	ug/kg	
75-34-3	1,1-Dichloroethane	ND	110	18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	110	30	ug/kg	
75-35-4	1,1-Dichloroethene	ND	110	28	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	110	28	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	110	24	ug/kg	
78-87-5	1,2-Dichloropropane	ND	110	23	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	110	16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	110	16	ug/kg	
100-41-4	Ethylbenzene	10	110	9.7	ug/kg	J
76-13-1	Freon 113	ND	270	50	ug/kg	
591-78-6	2-Hexanone	ND	270	130	ug/kg	
98-82-8	Isopropylbenzene	ND	270	15	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-207/3'		
Lab Sample ID:	MC23228-2	**Date Sampled:**	07/30/13
Matrix:	SO - Soil	**Date Received:**	08/02/13
Method:	SW846 8260B	**Percent Solids:**	97.3
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	270	150	ug/kg	
108-87-2	Methylcyclohexane	214	270	12	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	110	22	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	270	100	ug/kg	
75-09-2	Methylene chloride	ND	110	84	ug/kg	
100-42-5	Styrene	ND	270	11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	110	16	ug/kg	
127-18-4	Tetrachloroethene	ND	110	24	ug/kg	
108-88-3	Toluene	ND	270	13	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	270	20	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	110	9.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	110	19	ug/kg	
79-01-6	Trichloroethene	170	110	26	ug/kg	
75-69-4	Trichlorofluoromethane	ND	110	57	ug/kg	
75-01-4	Vinyl chloride	ND	110	31	ug/kg	
1330-20-7	Xylene (total)	105	110	11	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
107-83-5	Pentane, 2-methyl-	7.39	17000	ug/kg	JN
592-27-8	Heptane, 2-methyl-	11.25	840	ug/kg	JN
111-65-9	Octane	11.83	740	ug/kg	JN
111-84-2	Nonane	13.44	1400	ug/kg	JN
13151-35-4	Decane, 5-methyl-	15.65	760	ug/kg	JN
2847-72-5	Decane, 4-methyl-	15.69	700	ug/kg	JN
6975-98-0	Decane, 2-methyl-	15.73	760	ug/kg	JN
13151-34-3	Decane, 3-methyl-	15.83	850	ug/kg	JN
1120-21-4	Undecane	16.16	3000	ug/kg	JN
112-40-3	Dodecane	17.32	1700	ug/kg	JN
	Total TIC, Volatile		27750	ug/kg	J

ND = Not detected MDL - Method Detection Limit
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Accutest LabLink@140569 16:21 20-Aug-2013

Report of Analysis

Client Sample ID:	SB-207/3'		
Lab Sample ID:	MC23228-2	**Date Sampled:**	07/30/13
Matrix:	SO - Soil	**Date Received:**	08/02/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	97.3
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F66079.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058
Run #2							

	Initial Weight	Final Volume
Run #1	20.5 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	250	11	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	500	13	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	500	14	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	500	82	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1000	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	500	63	ug/kg	
95-48-7	2-Methylphenol	ND	500	20	ug/kg	
	3&4-Methylphenol	ND	500	24	ug/kg	
88-75-5	2-Nitrophenol	ND	500	13	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	94	ug/kg	
87-86-5	Pentachlorophenol	ND	500	35	ug/kg	
108-95-2	Phenol	ND	250	14	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	500	13	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	500	12	ug/kg	
83-32-9	Acenaphthene	ND	100	13	ug/kg	
208-96-8	Acenaphthylene	ND	100	10	ug/kg	
98-86-2	Acetophenone	ND	500	11	ug/kg	
120-12-7	Anthracene	ND	100	12	ug/kg	
1912-24-9	Atrazine	ND	500	500	ug/kg	
100-52-7	Benzaldehyde	ND	500	500	ug/kg	
56-55-3	Benzo(a)anthracene	ND	100	13	ug/kg	
50-32-8	Benzo(a)pyrene	ND	100	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	100	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	100	10	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	100	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	500	100	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	250	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	250	10	ug/kg	
105-60-2	Caprolactam	ND	500	500	ug/kg	
91-58-7	2-Chloronaphthalene	ND	250	14	ug/kg	
106-47-8	4-Chloroaniline	ND	500	13	ug/kg	
86-74-8	Carbazole	ND	100	12	ug/kg	

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Report of Analysis

Client Sample ID:	SB-207/3'		
Lab Sample ID:	MC23228-2	**Date Sampled:**	07/30/13
Matrix:	SO - Soil	**Date Received:**	08/02/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	97.3
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	100	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	250	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	250	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	250	18	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	250	15	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	500	34	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	500	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	250	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	100	12	ug/kg	
132-64-9	Dibenzofuran	ND	100	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	250	27	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	250	7.8	ug/kg	
84-66-2	Diethyl phthalate	ND	250	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	250	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	37.9	250	9.3	ug/kg	J
206-44-0	Fluoranthene	ND	100	14	ug/kg	
86-73-7	Fluorene	ND	100	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	250	16	ug/kg	
87-68-3	Hexachlorobutadiene	ND	250	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	500	130	ug/kg	
67-72-1	Hexachloroethane	ND	250	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	100	11	ug/kg	
78-59-1	Isophorone	ND	250	12	ug/kg	
91-57-6	2-Methylnaphthalene	ND	100	13	ug/kg	
88-74-4	2-Nitroaniline	ND	500	13	ug/kg	
99-09-2	3-Nitroaniline	ND	500	27	ug/kg	
100-01-6	4-Nitroaniline	ND	500	13	ug/kg	
91-20-3	Naphthalene	ND	100	16	ug/kg	
98-95-3	Nitrobenzene	ND	250	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	250	14	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	250	15	ug/kg	
85-01-8	Phenanthrene	ND	100	14	ug/kg	
129-00-0	Pyrene	ND	100	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	71%		30-130%
4165-62-2	Phenol-d5	75%		30-130%
118-79-6	2,4,6-Tribromophenol	69%		30-130%
4165-60-0	Nitrobenzene-d5	80%		30-130%

ND = Not detected MDL - Method Detection Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-207/3'		
Lab Sample ID:	MC23228-2	**Date Sampled:**	07/30/13
Matrix:	SO - Soil	**Date Received:**	08/02/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	97.3
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	79%		30-130%
1718-51-0	Terphenyl-d14	86%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
111-84-2	Nonane	3.41	450	ug/kg	JN
124-18-5	Decane	4.11	970	ug/kg	JN
629-50-5	Tridecane	5.92	860	ug/kg	JN
629-59-4	Tetradecane	6.45	1100	ug/kg	JN
31081-17-1	Nonane, 2-methyl-5-propyl-	6.69	400	ug/kg	JN
629-62-9	Pentadecane	6.94	910	ug/kg	JN
544-76-3	Hexadecane	7.42	850	ug/kg	JN
6912-07-8	Hexadecane, 5-butyl-	7.63	370	ug/kg	JN
629-78-7	Heptadecane	7.89	730	ug/kg	JN
593-45-3	Octadecane	8.35	630	ug/kg	JN
629-92-5	Nonadecane	8.81	560	ug/kg	JN
112-95-8	Eicosane	9.26	480	ug/kg	JN
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl	9.68	390	ug/kg	JN
	Total TIC, Semi-Volatile		8700	ug/kg	J

ND = Not detected MDL - Method Detection Limit
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N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SB-216/7-8'		
Lab Sample ID:	MC23228-3	**Date Sampled:**	07/31/13
Matrix:	SO - Soil	**Date Received:**	08/02/13
Method:	SW846 8260B	**Percent Solids:**	84.6
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K72975.D	1	08/08/13	GK	n/a	n/a	MSK2375
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.2 g	10.0 ml	100 ul
Run #2			

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	670	260	ug/kg	
71-43-2	Benzene	ND	34	17	ug/kg	
75-27-4	Bromodichloromethane	ND	130	24	ug/kg	
75-25-2	Bromoform	ND	130	20	ug/kg	
74-83-9	Bromomethane	ND	130	65	ug/kg	
78-93-3	2-Butanone (MEK)	ND	340	210	ug/kg	
75-15-0	Carbon disulfide	ND	340	10	ug/kg	
56-23-5	Carbon tetrachloride	ND	130	78	ug/kg	
108-90-7	Chlorobenzene	ND	130	18	ug/kg	
75-00-3	Chloroethane	ND	340	40	ug/kg	
67-66-3	Chloroform	ND	130	19	ug/kg	
74-87-3	Chloromethane	ND	340	82	ug/kg	
110-82-7	Cyclohexane	ND	340	18	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	340	140	ug/kg	
124-48-1	Dibromochloromethane	ND	130	29	ug/kg	
106-93-4	1,2-Dibromoethane	ND	130	38	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	130	14	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	130	15	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	130	14	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	130	75	ug/kg	
75-34-3	1,1-Dichloroethane	ND	130	22	ug/kg	
107-06-2	1,2-Dichloroethane	ND	130	36	ug/kg	
75-35-4	1,1-Dichloroethene	ND	130	35	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	130	34	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	130	30	ug/kg	
78-87-5	1,2-Dichloropropane	ND	130	28	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	130	19	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	130	20	ug/kg	
100-41-4	Ethylbenzene	ND	130	12	ug/kg	
76-13-1	Freon 113	ND	340	62	ug/kg	
591-78-6	2-Hexanone	ND	340	160	ug/kg	
98-82-8	Isopropylbenzene	23.2	340	19	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-216/7-8'		
Lab Sample ID:	MC23228-3	**Date Sampled:**	07/31/13
Matrix:	SO - Soil	**Date Received:**	08/02/13
Method:	SW846 8260B	**Percent Solids:**	84.6
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	340	190	ug/kg	
108-87-2	Methylcyclohexane	ND	340	14	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	130	27	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	340	120	ug/kg	
75-09-2	Methylene chloride	ND	130	100	ug/kg	
100-42-5	Styrene	ND	340	14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	130	20	ug/kg	
127-18-4	Tetrachloroethene	ND	130	30	ug/kg	
108-88-3	Toluene	ND	340	16	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	340	24	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	130	12	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	130	23	ug/kg	
79-01-6	Trichloroethene	ND	130	32	ug/kg	
75-69-4	Trichlorofluoromethane	ND	130	70	ug/kg	
75-01-4	Vinyl chloride	ND	130	38	ug/kg	
1330-20-7	Xylene (total)	ND	130	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	112%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
19482-57-6	3-Octyne, 2,2-dimethyl-	14.93	780	ug/kg	JN
493-02-7	Naphthalene, decahydro-, trans-	16.21	3100	ug/kg	JN
2050-24-0	Benzene, 1,3-diethyl-5-methyl-	16.62	1300	ug/kg	JN
281-23-2	Adamantane	16.69	1900	ug/kg	JN
488-23-3	Benzene, 1,2,3,4-tetramethyl-	16.88	2000	ug/kg	JN
313231-18-4	Propan-1-one, 1-(1-adamantanyl)-2-thiocy	16.92	9200	ug/kg	JN
24145-89-9	Cis-1,4-dimethyladamantane	17.12	3300	ug/kg	JN
1595-16-0	Benzene, 1-methyl-4-(1-methylpropyl)-	17.24	1700	ug/kg	JN
6682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethyl-	17.84	11000	ug/kg	JN
54340-88-4	1H-Indene, 2,3-dihydro-1,5,7-trimethyl-	18.05	3400	ug/kg	JN
	Total TIC, Volatile		37680	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@140569 16:21 20-Aug-2013

Report of Analysis

Client Sample ID: SB-216/7-8'
Lab Sample ID: MC23228-3
Matrix: SO - Soil
Method: SW846 8270C SW846 3546
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Date Sampled: 07/31/13
Date Received: 08/02/13
Percent Solids: 84.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F66080.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058
Run #2							

	Initial Weight	Final Volume
Run #1	20.2 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	290	13	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	590	15	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	590	17	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	590	95	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	590	73	ug/kg	
95-48-7	2-Methylphenol	ND	590	23	ug/kg	
	3&4-Methylphenol	ND	590	28	ug/kg	
88-75-5	2-Nitrophenol	ND	590	16	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	110	ug/kg	
87-86-5	Pentachlorophenol	ND	590	41	ug/kg	
108-95-2	Phenol	ND	290	17	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	590	15	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	590	14	ug/kg	
83-32-9	Acenaphthene	ND	120	16	ug/kg	
208-96-8	Acenaphthylene	ND	120	12	ug/kg	
98-86-2	Acetophenone	ND	590	13	ug/kg	
120-12-7	Anthracene	ND	120	14	ug/kg	
1912-24-9	Atrazine	ND	590	590	ug/kg	
100-52-7	Benzaldehyde	ND	590	590	ug/kg	
56-55-3	Benzo(a)anthracene	25.9	120	15	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	120	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	120	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	120	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	120	18	ug/kg	
92-52-4	1,1'-Biphenyl	ND	590	120	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	290	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	290	12	ug/kg	
105-60-2	Caprolactam	ND	590	590	ug/kg	
91-58-7	2-Chloronaphthalene	ND	290	16	ug/kg	
106-47-8	4-Chloroaniline	ND	590	15	ug/kg	
86-74-8	Carbazole	ND	120	14	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-216/7-8'
Lab Sample ID: MC23228-3 **Date Sampled:** 07/31/13
Matrix: SO - Soil **Date Received:** 08/02/13
Method: SW846 8270C SW846 3546 **Percent Solids:** 84.6
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	38.0	120	15	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	290	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	290	18	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	290	21	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	290	18	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	590	39	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	590	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	290	29	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	14	ug/kg	
132-64-9	Dibenzofuran	ND	120	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	290	31	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	290	9.2	ug/kg	
84-66-2	Diethyl phthalate	ND	290	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	290	17	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	209	290	11	ug/kg	J
206-44-0	Fluoranthene	33.8	120	16	ug/kg	J
86-73-7	Fluorene	ND	120	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	290	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	590	150	ug/kg	
67-72-1	Hexachloroethane	ND	290	14	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	120	13	ug/kg	
78-59-1	Isophorone	ND	290	13	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	15	ug/kg	
88-74-4	2-Nitroaniline	ND	590	15	ug/kg	
99-09-2	3-Nitroaniline	ND	590	32	ug/kg	
100-01-6	4-Nitroaniline	ND	590	15	ug/kg	
91-20-3	Naphthalene	20.9	120	19	ug/kg	J
98-95-3	Nitrobenzene	ND	290	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	290	17	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	290	18	ug/kg	
85-01-8	Phenanthrene	41.9	120	16	ug/kg	J
129-00-0	Pyrene	52.9	120	14	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%		30-130%
4165-62-2	Phenol-d5	73%		30-130%
118-79-6	2,4,6-Tribromophenol	74%		30-130%
4165-60-0	Nitrobenzene-d5	78%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-216/7-8'		
Lab Sample ID:	MC23228-3	**Date Sampled:**	07/31/13
Matrix:	SO - Soil	**Date Received:**	08/02/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	84.6
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	82%		30-130%
1718-51-0	Terphenyl-d14	93%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
57-10-3	n-Hexadecanoic acid	9.08	560	ug/kg	JN
	Total TIC, Semi-Volatile		560	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 1 OF 1

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: MC23228

Client / Reporting Information

Company Name: WSP
Street Address: 11190 Sunrise Valley Dr
City: Reston State: VA Zip: 20191
Project Contact: erik.reinert@wspgroup.com E-mail:
Phone #: lisa.bryda@wspgroup.com Fax #:
Sampler(s) Name(s): GBeaulieu Phone #:

Project Information

Project Name: EPT
Street: 690 S. Aurora St
City: Ithaca State: NY
Project#: 4655-5
Client PO#: 4655-5
Project Manager: Erik Reinert

Billing Information (If different from Report to)

Company Name:
Street Address:
City State Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

TCL 42 + 20 TICs (VOCs)
ABTCL ALL + 20 (SVOCs)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	LAB USE ONLY
-1	SB-204/6.5		7/30/13	1448	GmB	S	1					X					
-2	SB-207/3'		7/30/13	1545	GmB	S	1					X					
-3	SB-216/7-8'		7/31/13	1405	GmB	S	12 AF					X					
																	9B

Data Deliverable Information

Turnaround Time (Business days) — Approved By (Accutest PM): / Date:

- [X] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [X] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [X] NYASP Category A
- [X] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

SYRACUSE SC

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	GBeaulieu	8/1/13 11:55		2		2
3			3	4 FEDX	8-2-13 9A	4
5			5			

Custody Seal # — [ ] Intact [ ] Not Intact — Preserved where applicable — On Ice: ✓ — Cooler Temp.: 0.6 C

SYRACUSE SC

MC23228: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC23228 **Client:** WSP **Immediate Client Services Action Required:** No

Date / Time Received: 8/2/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: EPT **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control -Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC23228: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC23228

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Project No: 4255-5

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC23228-1	Collected: 30-JUL-13 14:48 By: GMB		Received: 02-AUG-13 By:			
SB-204/6.5						
MC23228-1	SM21 2540 B MOD.	06-AUG-13	MC			%SOL
MC23228-1	SW846 8260B	09-AUG-13 12:29	GK			V8260TCL42+
MC23228-1	SW846 8270C	09-AUG-13 16:41	KR	06-AUG-13	PA	AB8270TCL42+
MC23228-2	Collected: 30-JUL-13 15:45 By: GMB		Received: 02-AUG-13 By:			
SB-207/3'						
MC23228-2	SM21 2540 B MOD.	06-AUG-13	MC			%SOL
MC23228-2	SW846 8260B	08-AUG-13 19:25	GK			V8260TCL42+
MC23228-2	SW846 8270C	09-AUG-13 17:04	KR	06-AUG-13	PA	AB8270TCL42+
MC23228-3	Collected: 31-JUL-13 14:05 By: GMB		Received: 02-AUG-13 By:			
SB-216/7-8'						
MC23228-3	SM21 2540 B MOD.	06-AUG-13	MC			%SOL
MC23228-3	SW846 8260B	08-AUG-13 20:47	GK			V8260TCL42+
MC23228-3	SW846 8270C	09-AUG-13 17:28	KR	06-AUG-13	PA	AB8270TCL42+

Accutest Internal Chain of Custody

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Received: 08/02/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC23228-1.1	Walk In Ref #9	Michael Rolo	08/06/13 08:08	Retrieve from Storage
MC23228-1.1	Michael Rolo	Walk In Ref #9	08/06/13 14:02	Return to Storage
MC23228-2.1	Walk In Ref #9	Michael Rolo	08/06/13 08:08	Retrieve from Storage
MC23228-2.1	Michael Rolo	Walk In Ref #9	08/06/13 14:02	Return to Storage
MC23228-3.1	Walk In Ref #9	Michael Rolo	08/06/13 08:08	Retrieve from Storage
MC23228-3.1	Michael Rolo	Walk In Ref #9	08/06/13 14:02	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2375-MB	K72953.D	1	08/08/13	GK	n/a	n/a	MSK2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23228-2, MC23228-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	190	ug/kg	
71-43-2	Benzene	ND	25	12	ug/kg	
75-27-4	Bromodichloromethane	ND	100	18	ug/kg	
75-25-2	Bromoform	ND	100	15	ug/kg	
74-83-9	Bromomethane	ND	100	49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	250	150	ug/kg	
75-15-0	Carbon disulfide	ND	250	7.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	58	ug/kg	
108-90-7	Chlorobenzene	ND	100	13	ug/kg	
75-00-3	Chloroethane	ND	250	30	ug/kg	
67-66-3	Chloroform	ND	100	14	ug/kg	
74-87-3	Chloromethane	ND	250	61	ug/kg	
110-82-7	Cyclohexane	ND	250	13	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	100	ug/kg	
124-48-1	Dibromochloromethane	ND	100	21	ug/kg	
106-93-4	1,2-Dibromoethane	ND	100	28	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	100	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	100	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	100	10	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	100	56	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	27	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	26	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	22	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	15	ug/kg	
100-41-4	Ethylbenzene	ND	100	8.9	ug/kg	
76-13-1	Freon 113	ND	250	46	ug/kg	
591-78-6	2-Hexanone	ND	250	120	ug/kg	
98-82-8	Isopropylbenzene	ND	250	14	ug/kg	
79-20-9	Methyl Acetate	ND	250	140	ug/kg	
108-87-2	Methylcyclohexane	ND	250	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	100	20	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	92	ug/kg	

Method Blank Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2375-MB	K72953.D	1	08/08/13	GK	n/a	n/a	MSK2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23228-2, MC23228-3

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	100	77	ug/kg	
100-42-5	Styrene	ND	250	10	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	15	ug/kg	
127-18-4	Tetrachloroethene	ND	100	22	ug/kg	
108-88-3	Toluene	ND	250	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100	9.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	17	ug/kg	
79-01-6	Trichloroethene	ND	100	24	ug/kg	
75-69-4	Trichlorofluoromethane	ND	100	52	ug/kg	
75-01-4	Vinyl chloride	ND	100	28	ug/kg	
1330-20-7	Xylene (total)	ND	100	10	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	108%	70-130%
2037-26-5	Toluene-D8	102%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2376-MB	K72991.D	1	08/09/13	GK	n/a	n/a	MSK2376

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23228-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	190	ug/kg	
71-43-2	Benzene	ND	25	12	ug/kg	
75-27-4	Bromodichloromethane	ND	100	18	ug/kg	
75-25-2	Bromoform	ND	100	15	ug/kg	
74-83-9	Bromomethane	ND	100	49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	250	150	ug/kg	
75-15-0	Carbon disulfide	ND	250	7.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	58	ug/kg	
108-90-7	Chlorobenzene	ND	100	13	ug/kg	
75-00-3	Chloroethane	ND	250	30	ug/kg	
67-66-3	Chloroform	ND	100	14	ug/kg	
74-87-3	Chloromethane	ND	250	61	ug/kg	
110-82-7	Cyclohexane	ND	250	13	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	100	ug/kg	
124-48-1	Dibromochloromethane	ND	100	21	ug/kg	
106-93-4	1,2-Dibromoethane	ND	100	28	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	100	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	100	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	100	10	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	100	56	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	27	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	26	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	22	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	15	ug/kg	
100-41-4	Ethylbenzene	ND	100	8.9	ug/kg	
76-13-1	Freon 113	ND	250	46	ug/kg	
591-78-6	2-Hexanone	ND	250	120	ug/kg	
98-82-8	Isopropylbenzene	ND	250	14	ug/kg	
79-20-9	Methyl Acetate	ND	250	140	ug/kg	
108-87-2	Methylcyclohexane	ND	250	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	100	20	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	92	ug/kg	

Method Blank Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2376-MB	K72991.D	1	08/09/13	GK	n/a	n/a	MSK2376

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23228-1

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	100	77	ug/kg	
100-42-5	Styrene	ND	250	10	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	15	ug/kg	
127-18-4	Tetrachloroethene	ND	100	22	ug/kg	
108-88-3	Toluene	ND	250	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100	9.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	17	ug/kg	
79-01-6	Trichloroethene	ND	100	24	ug/kg	
75-69-4	Trichlorofluoromethane	ND	100	52	ug/kg	
75-01-4	Vinyl chloride	ND	100	28	ug/kg	
1330-20-7	Xylene (total)	ND	100	10	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	110%	70-130%
2037-26-5	Toluene-D8	106%	70-130%
460-00-4	4-Bromofluorobenzene	105%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2375-BS	K72950.D	1	08/08/13	GK	n/a	n/a	MSK2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23228-2, MC23228-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	2500	2470	99	70-130
71-43-2	Benzene	2500	2480	99	70-130
75-27-4	Bromodichloromethane	2500	2610	104	70-130
75-25-2	Bromoform	2500	2810	112	70-130
74-83-9	Bromomethane	2500	2770	111	70-130
78-93-3	2-Butanone (MEK)	2500	2140	86	70-130
75-15-0	Carbon disulfide	2500	2750	110	70-130
56-23-5	Carbon tetrachloride	2500	2760	110	70-130
108-90-7	Chlorobenzene	2500	2490	100	70-130
75-00-3	Chloroethane	2500	2790	112	70-130
67-66-3	Chloroform	2500	2830	113	70-130
74-87-3	Chloromethane	2500	3710	148* [a]	70-130
110-82-7	Cyclohexane	2500	2640	106	70-130
96-12-8	1,2-Dibromo-3-chloropropane	2500	2260	90	70-130
124-48-1	Dibromochloromethane	2500	2690	108	70-130
106-93-4	1,2-Dibromoethane	2500	2560	102	70-130
95-50-1	1,2-Dichlorobenzene	2500	2510	100	70-130
541-73-1	1,3-Dichlorobenzene	2500	2530	101	70-130
106-46-7	1,4-Dichlorobenzene	2500	2610	104	70-130
75-71-8	Dichlorodifluoromethane	2500	2540	102	70-130
75-34-3	1,1-Dichloroethane	2500	2870	115	70-130
107-06-2	1,2-Dichloroethane	2500	2510	100	70-130
75-35-4	1,1-Dichloroethene	2500	2700	108	70-130
156-59-2	cis-1,2-Dichloroethene	2500	2560	102	70-130
156-60-5	trans-1,2-Dichloroethene	2500	2660	106	70-130
78-87-5	1,2-Dichloropropane	2500	2550	102	70-130
10061-01-5	cis-1,3-Dichloropropene	2500	2580	103	70-130
10061-02-6	trans-1,3-Dichloropropene	2500	2740	110	70-130
100-41-4	Ethylbenzene	2500	2690	108	70-130
76-13-1	Freon 113	2500	2650	106	70-130
591-78-6	2-Hexanone	2500	2280	91	70-130
98-82-8	Isopropylbenzene	2500	2600	104	70-130
79-20-9	Methyl Acetate	2500	1770	71	33-141
108-87-2	Methylcyclohexane	2500	2610	104	78-140
1634-04-4	Methyl Tert Butyl Ether	2500	2520	101	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	2500	2480	99	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2375-BS	K72950.D	1	08/08/13	GK	n/a	n/a	MSK2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23228-2, MC23228-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
75-09-2	Methylene chloride	2500	2630	105	70-130
100-42-5	Styrene	2500	2680	107	70-130
79-34-5	1,1,2,2-Tetrachloroethane	2500	2420	97	70-130
127-18-4	Tetrachloroethene	2500	2880	115	70-130
108-88-3	Toluene	2500	2600	104	70-130
120-82-1	1,2,4-Trichlorobenzene	2500	2620	105	70-130
71-55-6	1,1,1-Trichloroethane	2500	2820	113	70-130
79-00-5	1,1,2-Trichloroethane	2500	2430	97	70-130
79-01-6	Trichloroethene	2500	2480	99	70-130
75-69-4	Trichlorofluoromethane	2500	2420	97	70-130
75-01-4	Vinyl chloride	2500	2240	90	70-130
1330-20-7	Xylene (total)	7500	7920	106	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	96%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2376-BS	K72988.D	1	08/09/13	GK	n/a	n/a	MSK2376

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23228-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	2500	2170	87	70-130
71-43-2	Benzene	2500	2570	103	70-130
75-27-4	Bromodichloromethane	2500	2590	104	70-130
75-25-2	Bromoform	2500	2820	113	70-130
74-83-9	Bromomethane	2500	2880	115	70-130
78-93-3	2-Butanone (MEK)	2500	2130	85	70-130
75-15-0	Carbon disulfide	2500	2860	114	70-130
56-23-5	Carbon tetrachloride	2500	2900	116	70-130
108-90-7	Chlorobenzene	2500	2610	104	70-130
75-00-3	Chloroethane	2500	2840	114	70-130
67-66-3	Chloroform	2500	2890	116	70-130
74-87-3	Chloromethane	2500	3810	152* [a]	70-130
110-82-7	Cyclohexane	2500	2760	110	70-130
96-12-8	1,2-Dibromo-3-chloropropane	2500	2000	80	70-130
124-48-1	Dibromochloromethane	2500	2720	109	70-130
106-93-4	1,2-Dibromoethane	2500	2540	102	70-130
95-50-1	1,2-Dichlorobenzene	2500	2530	101	70-130
541-73-1	1,3-Dichlorobenzene	2500	2570	103	70-130
106-46-7	1,4-Dichlorobenzene	2500	2660	106	70-130
75-71-8	Dichlorodifluoromethane	2500	2550	102	70-130
75-34-3	1,1-Dichloroethane	2500	2950	118	70-130
107-06-2	1,2-Dichloroethane	2500	2480	99	70-130
75-35-4	1,1-Dichloroethene	2500	2860	114	70-130
156-59-2	cis-1,2-Dichloroethene	2500	2590	104	70-130
156-60-5	trans-1,2-Dichloroethene	2500	2660	106	70-130
78-87-5	1,2-Dichloropropane	2500	2580	103	70-130
10061-01-5	cis-1,3-Dichloropropene	2500	2600	104	70-130
10061-02-6	trans-1,3-Dichloropropene	2500	2720	109	70-130
100-41-4	Ethylbenzene	2500	2830	113	70-130
76-13-1	Freon 113	2500	2790	112	70-130
591-78-6	2-Hexanone	2500	2170	87	70-130
98-82-8	Isopropylbenzene	2500	2710	108	70-130
79-20-9	Methyl Acetate	2500	1680	67	33-141
108-87-2	Methylcyclohexane	2500	2820	113	78-140
1634-04-4	Methyl Tert Butyl Ether	2500	2430	97	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	2500	2340	94	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2376-BS	K72988.D	1	08/09/13	GK	n/a	n/a	MSK2376

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23228-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
75-09-2	Methylene chloride	2500	2660	106	70-130
100-42-5	Styrene	2500	2820	113	70-130
79-34-5	1,1,2,2-Tetrachloroethane	2500	2350	94	70-130
127-18-4	Tetrachloroethene	2500	3140	126	70-130
108-88-3	Toluene	2500	2750	110	70-130
120-82-1	1,2,4-Trichlorobenzene	2500	2540	102	70-130
71-55-6	1,1,1-Trichloroethane	2500	2890	116	70-130
79-00-5	1,1,2-Trichloroethane	2500	2430	97	70-130
79-01-6	Trichloroethene	2500	2570	103	70-130
75-69-4	Trichlorofluoromethane	2500	2550	102	70-130
75-01-4	Vinyl chloride	2500	2510	100	70-130
1330-20-7	Xylene (total)	7500	8320	111	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	95%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23133-1MS	K72964.D	1	08/08/13	GK	n/a	n/a	MSK2375
MC23133-1MSD	K72965.D	1	08/08/13	GK	n/a	n/a	MSK2375
MC23133-1	K72954.D	1	08/08/13	GK	n/a	n/a	MSK2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23228-2, MC23228-3

CAS No.	Compound	MC23133-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		5390	5910	110	5740	106	3	70-130/30
71-43-2	Benzene	141		5390	5720	103	5750	104	1	70-130/30
75-27-4	Bromodichloromethane	ND		5390	5660	105	5690	105	1	70-130/30
75-25-2	Bromoform	ND		5390	5810	108	5970	111	3	70-130/30
74-83-9	Bromomethane	ND		5390	6370	118	6350	118	0	70-130/30
78-93-3	2-Butanone (MEK)	ND		5390	4830	90	4820	89	0	70-130/30
75-15-0	Carbon disulfide	ND		5390	6510	121	6440	119	1	70-130/30
56-23-5	Carbon tetrachloride	ND		5390	6460	120	6330	117	2	70-130/30
108-90-7	Chlorobenzene	ND		5390	5550	103	5620	104	1	70-130/30
75-00-3	Chloroethane	ND		5390	6460	120	6310	117	2	70-130/30
67-66-3	Chloroform	ND		5390	6300	117	6310	117	0	70-130/30
74-87-3	Chloromethane	ND		5390	8840	164* [a]	8830	164* [a]	0	70-130/30
110-82-7	Cyclohexane	ND		5390	6560	122	6410	119	2	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		5390	4730	88	4620	86	2	70-130/30
124-48-1	Dibromochloromethane	ND		5390	5720	106	5860	109	2	70-130/30
106-93-4	1,2-Dibromoethane	ND		5390	5440	101	5610	104	3	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		5390	5590	104	5570	103	0	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		5390	5670	105	5630	104	1	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		5390	5840	108	5800	108	1	70-130/30
75-71-8	Dichlorodifluoromethane	ND		5390	6180	115	5960	110	4	70-130/30
75-34-3	1,1-Dichloroethane	ND		5390	6470	120	6390	118	1	70-130/30
107-06-2	1,2-Dichloroethane	ND		5390	5470	101	5490	102	0	70-130/30
75-35-4	1,1-Dichloroethene	ND		5390	6320	117	6110	113	3	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		5390	5600	104	5730	106	2	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		5390	5910	110	5930	110	0	70-130/30
78-87-5	1,2-Dichloropropane	ND		5390	5640	105	5670	105	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		5390	5640	105	5620	104	0	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		5390	5910	110	5940	110	1	70-130/30
100-41-4	Ethylbenzene	96.2	J	5390	6190	113	6230	114	1	70-130/30
76-13-1	Freon 113	ND		5390	6400	119	6210	115	3	70-130/30
591-78-6	2-Hexanone	ND		5390	4690	87	4950	92	5	70-130/30
98-82-8	Isopropylbenzene	ND		5390	6030	112	5970	111	1	70-130/30
79-20-9	Methyl Acetate	ND		5390	4220	78	4260	79	1	30-160/30
108-87-2	Methylcyclohexane	91.0	J	5390	6470	118	6260	114	3	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		5390	5430	101	5470	101	1	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5390	5250	97	5340	99	2	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23133-1MS	K72964.D	1	08/08/13	GK	n/a	n/a	MSK2375
MC23133-1MSD	K72965.D	1	08/08/13	GK	n/a	n/a	MSK2375
MC23133-1	K72954.D	1	08/08/13	GK	n/a	n/a	MSK2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23228-2, MC23228-3

CAS No.	Compound	MC23133-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	ND		5390	5840	108	5920	110	1	70-130/30
100-42-5	Styrene	ND		5390	5960	110	6050	112	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		5390	5150	95	5250	97	2	70-130/30
127-18-4	Tetrachloroethene	ND		5390	6700	124	6690	124	0	70-130/30
108-88-3	Toluene	121	J	5390	6070	110	6050	110	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		5390	5520	102	5680	105	3	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		5390	6500	120	6360	118	2	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		5390	5300	98	5310	98	0	70-130/30
79-01-6	Trichloroethene	168	J	5390	5780	104	5830	105	1	70-130/30
75-69-4	Trichlorofluoromethane	ND		5390	5820	108	5690	105	2	70-130/30
75-01-4	Vinyl chloride	ND		5390	5720	106	5430	101	5	70-130/30
1330-20-7	Xylene (total)	405		16200	18300	111	18500	112	1	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23133-1	Limits
1868-53-7	Dibromofluoromethane	100%	102%	111%	70-130%
2037-26-5	Toluene-D8	104%	104%	104%	70-130%
460-00-4	4-Bromofluorobenzene	103%	101%	103%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23228-1MS	K72994.D	1	08/09/13	GK	n/a	n/a	MSK2376
MC23228-1MSD	K72995.D	1	08/09/13	GK	n/a	n/a	MSK2376
MC23228-1	K72993.D	1	08/09/13	GK	n/a	n/a	MSK2376

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23228-1

CAS No.	Compound	MC23228-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		2370	2310	98	2210	93	4	70-130/30
71-43-2	Benzene	ND		2370	2500	106	2410	102	4	70-130/30
75-27-4	Bromodichloromethane	ND		2370	2590	109	2450	104	6	70-130/30
75-25-2	Bromoform	ND		2370	2860	121	2530	107	12	70-130/30
74-83-9	Bromomethane	ND		2370	2620	111	2630	111	0	70-130/30
78-93-3	2-Butanone (MEK)	ND		2370	2430	103	2230	94	9	70-130/30
75-15-0	Carbon disulfide	ND		2370	2800	118	2720	115	3	70-130/30
56-23-5	Carbon tetrachloride	ND		2370	2910	123	2800	118	4	70-130/30
108-90-7	Chlorobenzene	ND		2370	2530	107	2480	105	2	70-130/30
75-00-3	Chloroethane	ND		2370	2740	116	2680	113	2	70-130/30
67-66-3	Chloroform	ND		2370	2770	117	2720	115	2	70-130/30
74-87-3	Chloromethane	ND		2370	3520	149* [a]	3610	153* [a]	3	70-130/30
110-82-7	Cyclohexane	ND		2370	2920	123	2750	116	6	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		2370	2190	93	1900	80	14	70-130/30
124-48-1	Dibromochloromethane	ND		2370	2750	116	2540	107	8	70-130/30
106-93-4	1,2-Dibromoethane	ND		2370	2670	113	2430	103	9	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		2370	2420	102	2320	98	4	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		2370	2450	104	2420	102	1	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		2370	2580	109	2510	106	3	70-130/30
75-71-8	Dichlorodifluoromethane	ND		2370	2510	106	2430	103	3	70-130/30
75-34-3	1,1-Dichloroethane	ND		2370	2840	120	2790	118	2	70-130/30
107-06-2	1,2-Dichloroethane	ND		2370	2520	106	2350	99	7	70-130/30
75-35-4	1,1-Dichloroethene	ND		2370	2770	117	2700	114	3	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		2370	2480	105	2420	102	2	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		2370	2580	109	2510	106	3	70-130/30
78-87-5	1,2-Dichloropropane	ND		2370	2510	106	2410	102	4	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		2370	2580	109	2430	103	6	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		2370	2780	117	2550	108	9	70-130/30
100-41-4	Ethylbenzene	ND		2370	2760	117	2720	115	1	70-130/30
76-13-1	Freon 113	ND		2370	2880	122	2760	117	4	70-130/30
591-78-6	2-Hexanone	ND		2370	2410	102	2200	93	9	70-130/30
98-82-8	Isopropylbenzene	ND		2370	2620	111	2600	110	1	70-130/30
79-20-9	Methyl Acetate	ND		2370	1860	79	1590	67	16	30-160/30
108-87-2	Methylcyclohexane	ND		2370	2970	125	2730	115	8	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		2370	2450	104	2290	97	7	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2370	2570	109	2290	97	12	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23228-1MS	K72994.D	1	08/09/13	GK	n/a	n/a	MSK2376
MC23228-1MSD	K72995.D	1	08/09/13	GK	n/a	n/a	MSK2376
MC23228-1	K72993.D	1	08/09/13	GK	n/a	n/a	MSK2376

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23228-1

CAS No.	Compound	MC23228-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	ND		2370	2550	108	2490	105	2	70-130/30
100-42-5	Styrene	ND		2370	2730	115	2650	112	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		2370	2460	104	2250	95	9	70-130/30
127-18-4	Tetrachloroethene	ND		2370	3130	132* [a]	3070	130	2	70-130/30
108-88-3	Toluene	ND		2370	2670	113	2570	109	4	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		2370	2490	105	2370	100	5	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		2370	2850	120	2780	117	2	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		2370	2480	105	2260	95	9	70-130/30
79-01-6	Trichloroethene	ND		2370	2550	108	2450	104	4	70-130/30
75-69-4	Trichlorofluoromethane	ND		2370	2590	109	2500	106	4	70-130/30
75-01-4	Vinyl chloride	ND		2370	2220	94	2360	100	6	70-130/30
1330-20-7	Xylene (total)	ND		7100	8140	115	7940	112	2	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23228-1	Limits
1868-53-7	Dibromofluoromethane	102%	99%	108%	70-130%
2037-26-5	Toluene-D8	108%	103%	102%	70-130%
460-00-4	4-Bromofluorobenzene	102%	101%	100%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSK2374-BFB
Lab File ID: K72935.D
Instrument ID: GCMSK
Injection Date: 08/07/13
Injection Time: 21:55

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	18808	15.5		Pass
75	30.0 - 60.0% of mass 95	50640	41.7		Pass
95	Base peak, 100% relative abundance	121560	100.0		Pass
96	5.0 - 9.0% of mass 95	8840	7.27		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	121568	100.0		Pass
175	5.0 - 9.0% of mass 174	9116	7.50	(7.50) [a]	Pass
176	95.0 - 101.0% of mass 174	117056	96.3	(96.3) [a]	Pass
177	5.0 - 9.0% of mass 176	7928	6.52	(6.77) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSK2374-IC2374	K72936.D	08/07/13	22:23	00:28	Initial cal 0.5
MSK2374-IC2374	K72937.D	08/07/13	22:51	00:56	Initial cal 2
MSK2374-IC2374	K72938.D	08/07/13	23:19	01:24	Initial cal 5
MSK2374-IC2374	K72939.D	08/07/13	23:47	01:52	Initial cal 25
MSK2374-ICC2374	K72940.D	08/08/13	00:14	02:19	Initial cal 50
MSK2374-IC2374	K72941.D	08/08/13	00:42	02:47	Initial cal 100
MSK2374-IC2374	K72942.D	08/08/13	01:10	03:15	Initial cal 200
MSK2374-IC2374	K72943.D	08/08/13	01:38	03:43	Initial cal 400
MSK2374-ICV2374	K72946.D	08/08/13	03:02	05:07	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSK2375-BFB
Lab File ID: K72949.D
Instrument ID: GCMSK
Injection Date: 08/08/13
Injection Time: 08:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11145	15.2		Pass
75	30.0 - 60.0% of mass 95	30560	41.8		Pass
95	Base peak, 100% relative abundance	73184	100.0		Pass
96	5.0 - 9.0% of mass 95	4861	6.64		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	68656	93.8		Pass
175	5.0 - 9.0% of mass 174	5814	7.94	(8.47) [a]	Pass
176	95.0 - 101.0% of mass 174	68496	93.6	(99.8) [a]	Pass
177	5.0 - 9.0% of mass 176	4777	6.53	(6.97) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSK2375-CC2374	K72949.D	08/08/13	08:58	00:00	Continuing cal 50
MSK2375-BS	K72950.D	08/08/13	09:25	00:27	Blank Spike
MSK2375-MB	K72953.D	08/08/13	10:47	01:49	Method Blank
MC23133-1	K72954.D	08/08/13	11:15	02:17	(used for QC only; not part of job MC23228)
ZZZZZZ	K72955.D	08/08/13	11:42	02:44	(unrelated sample)
ZZZZZZ	K72956.D	08/08/13	12:09	03:11	(unrelated sample)
ZZZZZZ	K72957.D	08/08/13	12:36	03:38	(unrelated sample)
ZZZZZZ	K72958.D	08/08/13	13:03	04:05	(unrelated sample)
ZZZZZZ	K72959.D	08/08/13	13:31	04:33	(unrelated sample)
ZZZZZZ	K72960.D	08/08/13	13:58	05:00	(unrelated sample)
ZZZZZZ	K72961.D	08/08/13	14:25	05:27	(unrelated sample)
ZZZZZZ	K72962.D	08/08/13	14:52	05:54	(unrelated sample)
ZZZZZZ	K72963.D	08/08/13	15:20	06:22	(unrelated sample)
MC23133-1MS	K72964.D	08/08/13	15:47	06:49	Matrix Spike
MC23133-1MSD	K72965.D	08/08/13	16:14	07:16	Matrix Spike Duplicate
ZZZZZZ	K72966.D	08/08/13	16:41	07:43	(unrelated sample)
ZZZZZZ	K72967.D	08/08/13	17:08	08:10	(unrelated sample)
ZZZZZZ	K72968.D	08/08/13	17:35	08:37	(unrelated sample)
ZZZZZZ	K72969.D	08/08/13	18:03	09:05	(unrelated sample)
ZZZZZZ	K72970.D	08/08/13	18:30	09:32	(unrelated sample)
MC23228-2	K72972.D	08/08/13	19:25	10:27	SB-207/3'
ZZZZZZ	K72973.D	08/08/13	19:53	10:55	(unrelated sample)
ZZZZZZ	K72974.D	08/08/13	20:20	11:22	(unrelated sample)
MC23228-3	K72975.D	08/08/13	20:47	11:49	SB-216/7-8'

Instrument Performance Check (BFB)

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSK2376-BFB
Lab File ID: K72987.D
Instrument ID: GCMSK
Injection Date: 08/09/13
Injection Time: 09:45

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	17432	15.1		Pass
75	30.0 - 60.0% of mass 95	48224	41.7		Pass
95	Base peak, 100% relative abundance	115568	100.0		Pass
96	5.0 - 9.0% of mass 95	8981	7.77		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	114008	98.7		Pass
175	5.0 - 9.0% of mass 174	8647	7.48	(7.58) [a]	Pass
176	95.0 - 101.0% of mass 174	111800	96.7	(98.1) [a]	Pass
177	5.0 - 9.0% of mass 176	7530	6.52	(6.74) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSK2376-CC2374	K72987.D	08/09/13	09:45	00:00	Continuing cal 50
MSK2376-BS	K72988.D	08/09/13	10:12	00:27	Blank Spike
MSK2376-MB	K72991.D	08/09/13	11:34	01:49	Method Blank
ZZZZZZ	K72992.D	08/09/13	12:01	02:16	(unrelated sample)
MC23228-1	K72993.D	08/09/13	12:29	02:44	SB-204/6.5
MC23228-1MS	K72994.D	08/09/13	12:57	03:12	Matrix Spike
MC23228-1MSD	K72995.D	08/09/13	13:24	03:39	Matrix Spike Duplicate
ZZZZZZ	K72996.D	08/09/13	13:52	04:07	(unrelated sample)
ZZZZZZ	K72997.D	08/09/13	14:19	04:34	(unrelated sample)
ZZZZZZ	K72998.D	08/09/13	14:46	05:01	(unrelated sample)
ZZZZZZ	K72999.D	08/09/13	15:14	05:29	(unrelated sample)
ZZZZZZ	K73000.D	08/09/13	15:41	05:56	(unrelated sample)
ZZZZZZ	K73001.D	08/09/13	16:08	06:23	(unrelated sample)
ZZZZZZ	K73002.D	08/09/13	16:36	06:51	(unrelated sample)
ZZZZZZ	K73003.D	08/09/13	17:03	07:18	(unrelated sample)
ZZZZZZ	K73004.D	08/09/13	17:30	07:45	(unrelated sample)
ZZZZZZ	K73005.D	08/09/13	17:58	08:13	(unrelated sample)
ZZZZZZ	K73007.D	08/09/13	18:52	09:07	(unrelated sample)
ZZZZZZ	K73008.D	08/09/13	19:20	09:35	(unrelated sample)
ZZZZZZ	K73009.D	08/09/13	19:47	10:02	(unrelated sample)
ZZZZZZ	K73010.D	08/09/13	20:14	10:29	(unrelated sample)
ZZZZZZ	K73012.D	08/09/13	21:09	11:24	(unrelated sample)
ZZZZZZ	K73013.D	08/09/13	21:36	11:51	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	MSK2375-CC2374	**Injection Date:**	08/08/13
Lab File ID:	K72949.D	**Injection Time:**	08:58
Instrument ID:	GCMSK	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	375059	8.84	535064	9.68	224425	12.94	269400	15.50	58282	6.42
Upper Limit [a]	750118	9.34	1070128	10.18	448850	13.44	538800	16.00	116564	6.92
Lower Limit [b]	187530	8.34	267532	9.18	112213	12.44	134700	15.00	29141	5.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSK2375-BS	375194	8.84	538769	9.68	223793	12.94	264400	15.50	59655	6.42
MSK2375-MB	361245	8.84	531286	9.68	208214	12.94	254827	15.50	57124	6.42
MC23133-1	353198	8.84	523051	9.68	208509	12.94	252991	15.50	55169	6.42
ZZZZZZ	368301	8.84	547591	9.69	217235	12.94	259645	15.50	59575	6.43
ZZZZZZ	344971	8.84	499444	9.69	203784	12.94	254412	15.50	54597	6.42
ZZZZZZ	355240	8.84	513280	9.69	195054	12.94	259165	15.50	58424	6.42
ZZZZZZ	378442	8.84	561305	9.68	211028	12.94	252600	15.50	60006	6.43
ZZZZZZ	381571	8.84	569492	9.69	223017	12.94	268489	15.50	57833	6.42
ZZZZZZ	370903	8.84	545781	9.69	215742	12.94	260476	15.50	57595	6.43
ZZZZZZ	365779	8.84	542002	9.69	211361	12.94	259264	15.50	57489	6.43
ZZZZZZ	369595	8.84	541745	9.69	213295	12.94	258743	15.50	60188	6.43
ZZZZZZ	363142	8.84	538522	9.68	207059	12.94	243413	15.50	56367	6.43
MC23133-1MS	369210	8.84	528157	9.69	221468	12.94	257843	15.50	56233	6.43
MC23133-1MSD	365207	8.84	526329	9.68	217139	12.94	257488	15.50	57430	6.42
ZZZZZZ	378062	8.84	556165	9.69	220703	12.94	275272	15.50	58718	6.42
ZZZZZZ	357271	8.84	531408	9.68	212881	12.94	264064	15.50	55888	6.42
ZZZZZZ	368717	8.84	543126	9.68	218125	12.94	261058	15.50	56225	6.42
ZZZZZZ	364749	8.84	540425	9.68	212025	12.94	254836	15.50	57879	6.43
ZZZZZZ	343043	8.84	508284	9.68	205282	12.94	250926	15.50	54177	6.42
MC23228-2	362067	8.84	534207	9.69	213627	12.94	256452	15.50	52946	6.43
ZZZZZZ	347472	8.84	500814	9.68	188243	12.94	236334	15.50	53936	6.44
ZZZZZZ	373853	8.84	538327	9.68	200144	12.94	248691	15.50	55453	6.44
MC23228-3	382199	8.84	561568	9.69	225844	12.94	255242	15.50	59523	6.43

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	MSK2376-CC2374	**Injection Date:**	08/09/13
Lab File ID:	K72987.D	**Injection Time:**	09:45
Instrument ID:	GCMSK	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	387437	8.84	553541	9.69	230321	12.94	272635	15.50	57918	6.43
Upper Limit [a]	774874	9.34	1107082	10.19	460642	13.44	545270	16.00	115836	6.93
Lower Limit [b]	193719	8.34	276771	9.19	115161	12.44	136318	15.00	28959	5.93

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSK2376-BS	372193	8.84	526992	9.69	217784	12.94	261761	15.50	55317	6.42
MSK2376-MB	359943	8.84	529718	9.69	208764	12.94	251544	15.50	54314	6.43
ZZZZZZ	354717	8.84	528276	9.69	210325	12.94	255945	15.50	58024	6.43
MC23228-1	357714	8.84	536135	9.69	206992	12.94	255227	15.50	55859	6.43
MC23228-1MS	369554	8.84	523551	9.69	215089	12.94	258792	15.50	64227	6.43
MC23228-1MSD	366266	8.84	527173	9.68	212604	12.94	253183	15.50	55114	6.42
ZZZZZZ	364511	8.84	544251	9.69	210397	12.94	262866	15.50	57531	6.42
ZZZZZZ	373407	8.84	549017	9.69	216449	12.94	261171	15.50	59777	6.43
ZZZZZZ	367769	8.84	546710	9.69	219627	12.94	265486	15.50	58536	6.42
ZZZZZZ	350351	8.84	515651	9.69	206713	12.94	250707	15.50	57536	6.42
ZZZZZZ	342663	8.84	493564	9.69	202107	12.94	245912	15.50	54507	6.42
ZZZZZZ	346162	8.84	509880	9.69	202705	12.94	245051	15.50	54273	6.43
ZZZZZZ	339178	8.84	496043	9.69	203676	12.94	249450	15.50	52867	6.43
ZZZZZZ	349312	8.84	503413	9.69	195228	12.94	254954	15.50	57769	6.43
ZZZZZZ	358585	8.84	522192	9.69	210145	12.94	265298	15.50	58615	6.43
ZZZZZZ	353117	8.84	513451	9.69	202520	12.94	263969	15.50	57384	6.42
ZZZZZZ	367423	8.84	546389	9.69	216012	12.94	264452	15.50	58364	6.42
ZZZZZZ	374498	8.84	541105	9.69	220198	12.94	271566	15.50	59872	6.43
ZZZZZZ	352312	8.84	511455	9.69	194091	12.94	257577	15.50	57712	6.43
ZZZZZZ	387448	8.84	541787	9.69	228007	12.94	280054	15.50	63967	6.43
ZZZZZZ	381733	8.84	554492	9.69	217978	12.94	271631	15.50	61185	6.43
ZZZZZZ	363272	8.84	531154	9.69	208415	12.94	257007	15.50	57277	6.43

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC23228-1	K72993.D	108.0	102.0	100.0
MC23228-2	K72972.D	109.0	104.0	103.0
MC23228-3	K72975.D	105.0	104.0	112.0
MC23133-1MS	K72964.D	100.0	104.0	103.0
MC23133-1MSD	K72965.D	102.0	104.0	101.0
MC23228-1MS	K72994.D	102.0	108.0	102.0
MC23228-1MSD	K72995.D	99.0	103.0	101.0
MSK2375-BS	K72950.D	97.0	99.0	96.0
MSK2375-MB	K72953.D	108.0	102.0	101.0
MSK2376-BS	K72988.D	97.0	101.0	95.0
MSK2376-MB	K72991.D	110.0	106.0	105.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC23228 **Sample:** MSK2374-ICC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72940.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report MSK

Method : C:\msdchem\1\methods\K130807S.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Calibration Files
0.5 =k72936.D 2 =k72937.D 5 =k72938.D 50 =k72940.D
100 =k72941.D 400 =k72943.D 25 =k72939.D =
= =

Compound	0.5	2	5	50	100	400	25	Avg	%RSD
1) Tert butyl alcohol-d9 ----------ISTD----------									
2) tertiary butyl alcohol	1.079	1.366	1.326	1.299	1.287	1.319		1.279	7.95
3) Ethanol	0.134	0.143	0.178	0.169	0.164	0.178		0.161	11.46
4) I pentafluorobenzene ----------ISTD----------									
5) dichlorodifluoromethane	0.505	0.571	0.607	0.539	0.480	0.541		0.541	8.38
6) chloromethane	0.416	0.474	0.423	0.356	0.270	0.407		0.391	17.89
---- Linear regression ---- Coefficient = 0.9918									
Response Ratio = 0.08132 + 0.26449 *A									
7) vinyl chloride	0.237	0.276	0.296	0.268	0.232	0.273		0.264	9.35
8) bromomethane	0.394	0.432	0.401	0.361	0.318	0.390		0.383	10.19
9) chloroethane	0.213	0.238	0.250	0.224	0.205	0.239		0.228	7.60
10) dichlorofluoromethane	0.649	0.758	0.760	0.678	0.591	0.716		0.692	9.56
11) ethyl ether	0.243	0.267	0.295	0.275	0.262	0.284		0.271	6.76
12) acetonitrile	0.066	0.056	0.052	0.048	0.063			0.057	13.49
13) trichlorofluoromethane	0.723	0.871	0.856	0.783	0.675	0.796		0.784	9.61
14) freon-113	0.393	0.498	0.472	0.424	0.376	0.451		0.436	10.72
15) acrolein	0.013	0.015	0.018	0.018	0.019	0.017		0.017	12.88
16) 1,1-dichloroethene	0.442	0.476	0.455	0.408	0.362	0.427		0.428	9.28
17) acetone	0.075	0.080	0.076	0.070	0.065	0.076		0.073	7.39
18) Methyl Acetate	0.320	0.356	0.353	0.323	0.295	0.349		0.332	7.22
19) methylene chloride	0.449	0.515	0.506	0.451	0.407	0.494		0.470	8.86
20) methyl tert butyl ether	0.852	0.955	1.046	0.980	0.942	1.001		0.963	6.78
21) acrylonitrile	0.083	0.095	0.091	0.086	0.091			0.089	5.52

Initial Calibration Summary

Job Number: MC23228 **Sample:** MSK2374-ICC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72940.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

22)	allyl chloride								
		0.490	0.582	0.607	0.547	0.495	0.567	0.548	8.66
23)	trans-1,2-dichloroethene								
		0.519	0.554	0.541	0.490	0.453	0.508	0.511	7.08
24)	iodomethane								
		0.748	0.883	0.951	0.862	0.806	0.888	0.856	8.27
25)	carbon disulfide								
		1.046	1.265	1.329	1.197	1.105	1.169	1.185	8.70
26)	propionitrile								
			0.028	0.036	0.034	0.034	0.035	0.033	9.37
27)	vinyl acetate								
		0.483	0.617	0.703	0.686	0.669	0.677	0.639	12.81
28)	chloroprene								
		0.427	0.512	0.565	0.534	0.477	0.525	0.507	9.55
29)	di-isopropyl ether								
		1.068	1.314	1.334	1.192	1.058	1.317	1.214	10.49
30)	methacrylonitrile								
		0.167	0.207	0.204	0.204	0.202	0.210	0.199	8.03
31)	2-butanone								
			0.034	0.038	0.035	0.033	0.038	0.036	6.39
32)	Hexane								
		0.588	0.643	0.598	0.531	0.440	0.594	0.566	12.56
33)	1,1-dichloroethane								
		0.591	0.693	0.704	0.633	0.573	0.681	0.646	8.58
34)	tert-butyl ethyl ether								
		0.861	1.019	1.116	1.030	0.974	1.095	1.016	9.05
35)	isobutyl alcohol								
		0.030	0.038	0.034	0.031	0.030	0.035	0.033	9.99
36)	2,2-dichloropropane								
		0.444	0.530	0.501	0.443	0.396	0.480	0.466	10.32
37)	cis-1,2-dichloroethene								
		0.601	0.600	0.599	0.542	0.501	0.583	0.571	7.19
38)	ethyl acetate								
		0.139	0.190	0.180	0.153	0.147	0.175	0.164	12.50
39)	bromochloromethane								
		0.253	0.294	0.301	0.277	0.267	0.289	0.280	6.47
40)	chloroform								
		0.657	0.813	0.826	0.741	0.659	0.807	0.750	10.33
41)	dibromofluoromethane (s)								
		0.529	0.569	0.555	0.516	0.483	0.458	0.513	0.518	7.48
42)	Tetrahydrofuran								
		0.074	0.082	0.079	0.076	0.079	0.075	0.078	3.92
43)	1,1,1-trichloroethane								
		0.612	0.714	0.742	0.683	0.618	0.679	0.675	7.63
44)	n-Butyl Alcohol								
		0.019	0.024	0.025	0.023	0.020	0.023	0.023	9.63
45)	I 1,4-difluorobenzene	----------ISTD----------							
46)	Cyclohexane								
		0.329	0.409	0.436	0.403	0.374	0.397	0.391	9.35
47)	carbon tetrachloride								
		0.366	0.434	0.449	0.420	0.391	0.415	0.413	7.29
48)	1,1-dichloropropene								
		0.338	0.415	0.429	0.411	0.376	0.405	0.396	8.37
49)	benzene								
		1.396	1.132	1.334	1.283	1.185	1.071	1.270	1.239	9.27
50)	1,2-dichloroethane								
		0.309	0.371	0.381	0.368	0.360	0.369	0.360	7.14
51)	tert-amyl methyl ether								
		0.524	0.782	0.745	0.715	0.713	0.721	0.700	12.88

Initial Calibration Summary

Job Number: MC23228 **Sample:** MSK2374-ICC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72940.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

52)	heptane								
		0.292	0.328	0.362	0.346	0.323	0.328	0.330	7.13
53)	2-Nitropropane								
		0.328	0.362	0.346	0.323	0.328		0.337	4.83
54)	trichloroethene								
	0.391	0.349	0.391	0.394	0.369	0.341	0.378	0.373	5.68
55)	1,2-dichloropropane								
		0.258	0.312	0.318	0.295	0.272	0.306	0.293	8.06
56)	dibromomethane								
		0.150	0.178	0.188	0.181	0.176	0.186	0.177	7.82
57)	bromodichloromethane								
		0.356	0.409	0.444	0.425	0.420	0.427	0.413	7.34
58)	Methylcyclohexane								
		0.372	0.465	0.517	0.498	0.473	0.476	0.467	10.75
59)	2-chloroethyl vinyl ether								
		0.119	0.153	0.156	0.166	0.143		0.147	12.09
60)	methyl methacrylate								
		0.117	0.142	0.146	0.155	0.128		0.138	10.69
61)	1,4-dioxane								
			0.002	0.002	0.002	0.002		0.002	5.96
62)	cis-1,3-dichloropropene								
		0.404	0.483	0.546	0.523	0.509	0.524	0.498	10.11
63)	toluene-d8 (s)								
	1.207	1.425	1.313	1.280	1.195	1.101	1.254	1.254	8.16
64)	4-methyl-2-pentanone								
		0.123	0.150	0.181	0.180	0.186	0.171	0.165	14.66
65)	toluene								
		0.719	0.875	0.905	0.840	0.776	0.881	0.833	8.57
66)	trans-1,3-dichloropropene								
		0.313	0.380	0.447	0.436	0.440	0.417	0.405	12.69
67)	1,1,2-trichloroethane								
		0.209	0.228	0.246	0.234	0.231	0.236	0.231	5.33
68)	ethyl methacrylate								
			0.209	0.270	0.271	0.278	0.254	0.257	10.86
69)	I chlorobenzene-d5	----------	ISTD	----------					
70)	tetrachloroethene								
	0.888	0.937	1.087	1.074	0.992	0.786	1.022	0.969	11.10
71)	1,3-dichloropropane								
		0.886	1.044	1.012	0.931	0.783	1.023	0.947	10.59
72)	dibromochloromethane								
		0.658	0.822	0.941	0.928	0.831	0.893	0.846	12.29
73)	1,2-dibromoethane								
		0.626	0.728	0.783	0.761	0.660	0.763	0.720	8.80
74)	2-hexanone								
		0.212	0.248	0.288	0.294	0.265	0.279	0.264	11.47
75)	chlorobenzene								
		2.654	2.928	2.841	2.570	2.073	2.819	2.647	11.72
76)	1-chlorohexane								
		0.810	1.007	1.204	1.116	0.892	1.105	1.022	14.58
77)	1,1,1,2-tetrachloroethane								
		0.850	1.006	1.032	0.926	0.754	0.989	0.926	11.55
78)	ethylbenzene								
		3.377	3.970	4.151	3.760	2.911	4.015	3.697	12.71
79)	m,p-xylene								
		1.436	1.690	1.760	1.605	1.227	1.734	1.575	13.14
80)	o-xylene								
		1.377	1.638	1.752	1.579	1.268	1.737	1.558	12.63
81)	styrene								
			2.239	2.850	2.652	2.159	2.664	2.513	11.87

Initial Calibration Summary

Job Number: MC23228 **Sample:** MSK2374-ICC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72940.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
 82)  bromoform
                0.339 0.380 0.462 0.469 0.463 0.424              0.423   12.54
 83)  cis-1,4-dichloro-2-butene
                0.107 0.129 0.186 0.195 0.185 0.163              0.161   22.11
            ---- Linear regression ----  Coefficient =  0.9996
              Response Ratio = -0.00116 + 0.18587 *A

 84)  trans-1,4-dichloro-2-butene
                      0.092 0.121 0.119 0.110 0.112              0.111   10.49

 85) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
 86)  isopropylbenzene
                2.747 3.371 3.744 3.488 3.146 3.571              3.345   10.60
 87)  bromofluorobenzene (s)
           1.055 1.008 0.988 0.942 0.889 0.869 0.938              0.956    6.92
 88)  bromobenzene
                0.849 1.036 1.076 1.033 1.014 1.052              1.010    8.07
 89)  1,1,2,2-tetrachloroethane
                0.496 0.591 0.578 0.552 0.531 0.572              0.553    6.32
 90)  1,2,3-trichloropropane
                0.449 0.531 0.580 0.575 0.594 0.559              0.548    9.65
 91)  n-propylbenzene
                2.995 3.692 4.084 3.782 3.393 3.874              3.637   10.67
 92)  2-chlorotoluene
                1.960 2.373 2.512 2.321 2.146 2.427              2.290    8.86
 93)  4-chlorotoluene
                1.970 2.422 2.523 2.363 2.182 2.470              2.322    8.99
 94)  1,3,5-trimethylbenzene
                2.249 2.787 3.016 2.796 2.558 2.886              2.715   10.07
 95)  tert-butylbenzene
                1.197 1.454 1.622 1.494 1.314 1.521              1.434   10.68
 96)  1,2,4-trimethylbenzene
                2.312 2.796 3.053 2.853 2.605 2.929              2.758    9.58
 97)  sec-butylbenzene
                2.816 3.571 3.825 3.556 3.183 3.623              3.429   10.64
 98)  1,3-dichlorobenzene
                1.727 1.961 2.060 1.936 1.830 2.020              1.922    6.44
 99)  p-isopropyltoluene
                2.407 2.826 2.937 2.763 2.495 2.794              2.704    7.63
100)  1,4-dichlorobenzene
                1.660 1.953 1.949 1.845 1.692 1.918              1.836    7.10
101)  1,2-dichlorobenzene
                1.500 1.741 1.906 1.826 1.737 1.846              1.759    8.11
102)  n-butylbenzene
                1.994 2.428 2.680 2.468 2.192 2.543              2.384   10.46
103)  1,2-dibromo-3-chloropropane
                0.084 0.072 0.073 0.075 0.083 0.068              0.076    8.47
104)  1,3,5-trichlorobenzene
                0.930 1.118 1.222 1.141 1.096 1.137              1.107    8.73
105)  1,2,4-trichlorobenzene
                0.799 0.959 1.058 1.004 1.004 0.970              0.966    9.21
106)  hexachlorobutadiene
                0.583 0.588 0.592 0.538 0.493 0.560              0.559    6.84
107)  naphthalene
                1.230 1.438 1.674 1.618 1.699 1.503              1.527   11.59
108)  1,2,3-trichlorobenzene
                0.601 0.651 0.736 0.699 0.728 0.674              0.681    7.47
109)  2-methylnaphthalene
                      0.387 0.407 0.409 0.462 0.351              0.403   10.01
110)  1-methylnaphthalene
```

Initial Calibration Summary

Job Number: MC23228 **Sample:** MSK2374-ICC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72940.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
                                0.916 0.895 0.937 0.864               0.903    3.44
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           K130807S.m        Thu Aug 08 09:28:24 2013
```

Initial Calibration Verification

Job Number: MC23228 **Sample:** MSK2374-ICV2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72946.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\130807\k72946.D Vial: 42
Acq On : 8 Aug 2013 3:02 am Operator: GaryK
Sample : icv2374-50 Inst : MSK
Misc : ms29614,msk2374,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\K130807S.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 08 09:20:43 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		Tert butyl alcohol-d9	1.000	1.000	0.0	101	0.00	6.43
2		tertiary butyl alcohol	1.279	1.388	-8.5	106	0.00	6.51
3	T	Ethanol	0.161	0.137	14.9	78	0.01	5.37
4	I	pentafluorobenzene	1.000	1.000	0.0	101	0.00	8.84
5	M	dichlorodifluoromethane	0.541	0.606	-12.0	101	0.00	4.25
		----------	Amount	Calc.	%Drift	----------		
6	P	chloromethane	50.000	74.484	-49.0#	113	0.00	4.46
		----------	AvgRF	CCRF	%Dev	----------		
7	c	vinyl chloride	0.264	0.248	6.1	85	0.00	4.70
8	M	bromomethane	0.383	0.440	-14.9	111	0.00	5.18
9	M	chloroethane	0.228	0.267	-17.1	108	0.00	5.34
10	m	dichlorofluoromethane	0.692	0.825	-19.2	110	0.00	5.38
11	M	ethyl ether	0.271	0.293	-8.1	100	0.00	6.19
12	M	acetonitrile	0.057	0.059	-3.5	106	0.00	6.51
13	M	trichlorofluoromethane	0.784	0.854	-8.9	101	0.00	5.97
14	M	freon-113	0.436	0.514	-17.9	110	0.00	6.73
15	M	acrolein	0.017	0.002	88.2#	13#	0.02	5.95
16	c	1,1-dichloroethene	0.428	0.497	-16.1	110	0.00	6.55
17	M	acetone	0.073	0.079	-8.2	105	0.00	6.05
18	M	Methyl Acetate	0.332	0.271	18.4	78	0.00	6.68
19	M	methylene chloride	0.470	0.510	-8.5	102	0.00	6.68
20	M	methyl tert butyl ether	0.963	1.020	-5.9	98	0.00	7.45
21	M	acrylonitrile	0.089	0.095	-6.7	100	0.00	6.56
22	M	allyl chloride	0.548	0.618	-12.8	103	0.00	6.77
23	M	trans-1,2-dichloroethene	0.511	0.552	-8.0	103	0.00	7.35
24	M	iodomethane	0.856	0.997	-16.5	106	0.00	6.59
25	M	carbon disulfide	1.185	1.410	-19.0	107	0.00	6.96
26	M	propionitrile	0.033	0.033	0.0	94	0.00	7.57
27	M	vinyl acetate	0.639	0.508	20.5#	73	0.00	7.66
28	M	chloroprene	0.507	0.638	-25.8#	114	0.00	7.96
29	M	di-isopropyl ether	1.214	1.281	-5.5	97	0.00	8.01
30	M	methacrylonitrile	0.199	0.199	0.0	98	0.00	8.08
31	M	2-butanone	0.036	0.036	0.0	96	0.00	7.98
32	M	Hexane	0.566	0.610	-7.8	103	0.00	7.99
33	P	1,1-dichloroethane	0.646	0.773	-19.7	111	0.00	7.60
34	M	tert-butyl ethyl ether	1.016	1.132	-11.4	102	0.00	8.40
35	M	isobutyl alcohol	0.033	0.037	-12.1	110	0.00	8.41
36	M	2,2-dichloropropane	0.466	0.512	-9.9	103	0.00	8.46
37	M	cis-1,2-dichloroethene	0.571	0.601	-5.3	101	0.00	8.17

Initial Calibration Verification

Job Number: MC23228 **Sample:** MSK2374-ICV2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72946.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

38	M	ethyl acetate	0.164	0.187	-14.0	105	0.00	8.41
39	M	bromochloromethane	0.280	0.331	-18.2	111	0.00	8.32
40	c	chloroform	0.750	0.891	-18.8	109	0.00	8.36
41	S	dibromofluoromethane (s)	0.518	0.524	-1.2	103	0.00	8.47
42	M	Tetrahydrofuran	0.078	0.077	1.3	98	0.00	8.68
43	M	1,1,1-trichloroethane	0.675	0.824	-22.1#	112	0.00	9.13
44		n-Butyl Alcohol	0.023	0.026	-13.0	105	0.00	9.43
45	I	1,4-difluorobenzene	1.000	1.000	0.0	100	0.00	9.69
46	M	Cyclohexane	0.391	0.456	-16.6	105	0.00	9.43
47	M	carbon tetrachloride	0.413	0.505	-22.3#	113	0.00	9.48
48	M	1,1-dichloropropene	0.396	0.455	-14.9	107	0.00	9.29
49	M	benzene	1.239	1.316	-6.2	103	0.00	9.49
50	M	1,2-dichloroethane	0.360	0.382	-6.1	101	0.00	8.99
51	M	tert-amyl methyl ether	0.700	0.761	-8.7	103	0.00	9.64
52	M	heptane	0.330	0.367	-11.2	102	0.00	10.00
53		2-Nitropropane	0.337	0.367	-8.9	102	0.00	10.00
54	M	trichloroethene	0.373	0.398	-6.7	102	0.00	10.12
55	c	1,2-dichloropropane	0.293	0.316	-7.8	100	0.00	10.08
56	M	dibromomethane	0.177	0.211	-19.2	112	0.00	10.05
57	M	bromodichloromethane	0.413	0.452	-9.4	102	0.00	10.16
58	M	Methylcyclohexane	0.467	0.530	-13.5	103	0.00	10.66
59	M	2-chloroethyl vinyl ether	0.147	0.092	37.4#	61	0.00	10.53
60	M	methyl methacrylate	0.138	0.145	-5.1	102	0.00	10.25
61	M	1,4-dioxane	0.002	0.002	0.0	99	0.00	10.25
62	M	cis-1,3-dichloropropene	0.498	0.522	-4.8	96	0.00	10.79
63	S	toluene-d8 (s)	1.254	1.316	-4.9	103	0.00	11.48
64	M	4-methyl-2-pentanone	0.165	0.182	-10.3	101	0.00	10.87
65	c	toluene	0.833	0.935	-12.2	104	0.00	11.55
66	M	trans-1,3-dichloropropene	0.405	0.451	-11.4	101	0.00	11.20
67	M	1,1,2-trichloroethane	0.231	0.240	-3.9	98	0.00	11.37
68	M	ethyl methacrylate	0.257	0.278	-8.2	103	0.00	11.57
69	I	chlorobenzene-d5	1.000	1.000	0.0	101	0.00	12.94
70	M	tetrachloroethene	0.969	1.229	-26.8#	116	0.00	12.31
71	M	1,3-dichloropropane	0.947	0.990	-4.5	99	0.00	11.61
72	M	dibromochloromethane	0.846	0.966	-14.2	104	0.00	11.89
73	M	1,2-dibromoethane	0.720	0.790	-9.7	102	0.00	12.14
74	M	2-hexanone	0.264	0.291	-10.2	103	0.00	11.72
75	P	chlorobenzene	2.647	2.753	-4.0	98	0.00	12.98
76	m	1-chlorohexane	1.022	1.253	-22.6#	105	0.00	12.87
77	M	1,1,1,2-tetrachloroethane	0.926	1.014	-9.5	100	0.00	12.90
78	c	ethylbenzene	3.697	4.198	-13.6	103	0.00	13.15
79	M	m,p-xylene	1.575	1.762	-11.9	101	0.00	13.33
80	M	o-xylene	1.558	1.701	-9.2	98	0.00	13.74
81	M	styrene	2.513	2.806	-11.7	100	0.00	13.67
82	P	bromoform	0.423	0.511	-20.8#	112	0.00	13.49
		----------	Amount	Calc.	%Drift		----------	
83	m	cis-1,4-dichloro-2-butene	50.000	50.739	-1.5	102	0.00	13.57
		----------	AvgRF	CCRF	%Dev		----------	
84	M	trans-1,4-dichloro-2-bute	0.111	0.120	-8.1	101	0.00	13.89
85	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	98	0.00	15.50
86	M	isopropylbenzene	3.345	3.761	-12.4	99	0.00	14.11
87	S	bromofluorobenzene (s)	0.956	0.966	-1.0	101	0.00	14.16
88	M	bromobenzene	1.010	1.116	-10.5	102	0.00	14.40
89	P	1,1,2,2-tetrachloroethane	0.553	0.583	-5.4	99	0.00	13.75
90	M	1,2,3-trichloropropane	0.548	0.595	-8.6	101	0.00	13.89

Initial Calibration Verification

Job Number: MC23228 **Sample:** MSK2374-ICV2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72946.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

91	M	n-propylbenzene	3.637	4.029	-10.8	97	0.00	14.56
92	M	2-chlorotoluene	2.290	2.447	-6.9	96	0.00	14.68
93	M	4-chlorotoluene	2.322	2.542	-9.5	99	0.00	14.75
94	M	1,3,5-trimethylbenzene	2.715	3.002	-10.6	98	0.00	14.83
95	M	tert-butylbenzene	1.434	1.583	-10.4	96	0.00	15.13
96	M	1,2,4-trimethylbenzene	2.758	3.063	-11.1	99	0.00	15.24
97	M	sec-butylbenzene	3.429	3.772	-10.0	97	0.00	15.36
98	M	1,3-dichlorobenzene	1.922	2.020	-5.1	96	0.00	15.47
99	M	p-isopropyltoluene	2.704	3.151	-16.5	105	0.00	15.53
100	M	1,4-dichlorobenzene	1.836	2.010	-9.5	101	0.00	15.53
101	M	1,2-dichlorobenzene	1.759	1.863	-5.9	96	0.00	15.91
102	M	n-butylbenzene	2.384	2.707	-13.5	99	0.00	15.95
103	M	1,2-dibromo-3-chloropropa	0.076	0.076	0.0	102	0.00	16.37
104		1,3,5-trichlorobenzene	1.107	1.323	-19.5	106	0.00	17.19
105	M	1,2,4-trichlorobenzene	0.966	1.054	-9.1	98	0.00	17.73
106	M	hexachlorobutadiene	0.559	0.634	-13.4	105	0.00	18.03
107	M	naphthalene	1.527	1.628	-6.6	96	0.00	17.98
108	M	1,2,3-trichlorobenzene	0.681	0.734	-7.8	98	0.00	18.20
109		2-methylnaphthalene	0.403	0.386	4.2	93	-0.24	19.32
110		1-methylnaphthalene	0.903	2.002	-121.7#	215#	-0.25	19.56

(#) = Out of Range SPCC's out = 0 CCC's out = 0
k72940.D K130807S.m Thu Aug 08 09:27:51 2013

Continuing Calibration Summary

Job Number: MC23228 **Sample:** MSK2375-CC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72949.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\130808\k72949.D Vial: 2
Acq On : 8 Aug 2013 8:58 am Operator: GaryK
Sample : cc2374-50 Inst : MSK
Misc : ms29620,msk2375,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\K130807S.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 08 09:20:43 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		Tert butyl alcohol-d9	1.000	1.000	0.0	87	0.00	6.42
2		tertiary butyl alcohol	1.279	1.367	-6.9	89	0.00	6.51
3	T	Ethanol	0.161	0.164	-1.9	80	0.00	5.36
4	I	pentafluorobenzene	1.000	1.000	0.0	104	0.00	8.84
5	M	dichlorodifluoromethane	0.541	0.619	-14.4	106	-0.01	4.23
		----------	Amount	Calc.	%Drift	----------		
6	P	chloromethane	50.000	67.074	-34.1#	107	0.00	4.44
		----------	AvgRF	CCRF	%Dev	----------		
7	c	vinyl chloride	0.264	0.311	-17.8	109	-0.01	4.68
8	M	bromomethane	0.383	0.395	-3.1	102	0.00	5.17
9	M	chloroethane	0.228	0.256	-12.3	106	0.00	5.33
10	m	dichlorofluoromethane	0.692	0.759	-9.7	104	0.00	5.37
11	M	ethyl ether	0.271	0.267	1.5	94	0.00	6.17
12	M	acetonitrile	0.057	0.047	17.5	87	0.00	6.51
13	M	trichlorofluoromethane	0.784	0.842	-7.4	102	0.00	5.96
14	M	freon-113	0.436	0.476	-9.2	105	0.00	6.73
15	M	acrolein	0.017	0.017	0.0	97	0.00	5.92
16	c	1,1-dichloroethene	0.428	0.456	-6.5	104	0.00	6.54
17	M	acetone	0.073	0.063	13.7	86	0.00	6.04
18	M	Methyl Acetate	0.332	0.302	9.0	89	0.00	6.67
19	M	methylene chloride	0.470	0.493	-4.9	101	0.00	6.67
20	M	methyl tert butyl ether	0.963	0.942	2.2	93	0.00	7.45
21	M	acrylonitrile	0.089	0.086	3.4	94	0.00	6.54
22	M	allyl chloride	0.548	0.598	-9.1	102	0.00	6.76
23	M	trans-1,2-dichloroethene	0.511	0.541	-5.9	104	0.00	7.35
24	M	iodomethane	0.856	0.983	-14.8	107	0.00	6.59
25	M	carbon disulfide	1.185	1.322	-11.6	103	0.00	6.95
26	M	propionitrile	0.033	0.031	6.1	89	0.00	7.56
27	M	vinyl acetate	0.639	0.652	-2.0	96	0.00	7.66
28	M	chloroprene	0.507	0.546	-7.7	100	0.00	7.95
29	M	di-isopropyl ether	1.214	1.261	-3.9	98	0.00	8.00
30	M	methacrylonitrile	0.199	0.180	9.5	91	0.00	8.08
31	M	2-butanone	0.036	0.030	16.7	84	0.00	7.98
32	M	Hexane	0.566	0.611	-8.0	106	0.00	7.99
33	P	1,1-dichloroethane	0.646	0.669	-3.6	99	0.00	7.59
34	M	tert-butyl ethyl ether	1.016	1.040	-2.4	97	0.00	8.39
35	M	isobutyl alcohol	0.033	0.033	0.0	99	0.00	8.40
36	M	2,2-dichloropropane	0.466	0.577	-23.8#	119	0.00	8.45
37	M	cis-1,2-dichloroethene	0.571	0.563	1.4	97	0.00	8.16

Continuing Calibration Summary

Job Number: MC23228 **Sample:** MSK2375-CC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72949.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

38	M	ethyl acetate	0.164	0.164	0.0	94	0.00	8.40
39	M	bromochloromethane	0.280	0.283	-1.1	98	0.00	8.31
40	c	chloroform	0.750	0.787	-4.9	99	0.00	8.35
41	S	dibromofluoromethane (s)	0.518	0.487	6.0	98	0.00	8.46
42	M	Tetrahydrofuran	0.078	0.066	15.4	87	0.00	8.67
43	M	1,1,1-trichloroethane	0.675	0.734	-8.7	103	0.00	9.12
44		n-Butyl Alcohol	0.023	0.025	-8.7	102	0.00	9.42
45	I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	9.68
46	M	Cyclohexane	0.391	0.435	-11.3	102	0.00	9.42
47	M	carbon tetrachloride	0.413	0.450	-9.0	102	0.00	9.48
48	M	1,1-dichloropropene	0.396	0.428	-8.1	102	0.00	9.28
49	M	benzene	1.239	1.238	0.1	99	0.00	9.48
50	M	1,2-dichloroethane	0.360	0.353	1.9	95	0.00	8.99
51	M	tert-amyl methyl ether	0.700	0.700	0.0	96	0.00	9.63
52	M	heptane	0.330	0.398	-20.6#	113	0.00	10.00
53		2-Nitropropane	0.337	0.398	-18.1	113	0.00	10.00
54	M	trichloroethene	0.373	0.385	-3.2	100	0.00	10.12
55	c	1,2-dichloropropane	0.293	0.301	-2.7	97	0.00	10.07
56	M	dibromomethane	0.177	0.174	1.7	94	0.00	10.05
57	M	bromodichloromethane	0.413	0.423	-2.4	98	0.00	10.16
58	M	Methylcyclohexane	0.467	0.529	-13.3	105	0.00	10.66
59	M	2-chloroethyl vinyl ether	0.147	0.138	6.1	93	0.00	10.53
60	M	methyl methacrylate	0.138	0.125	9.4	90	0.00	10.25
61	M	1,4-dioxane	0.002	0.002	0.0	88	0.00	10.25
62	M	cis-1,3-dichloropropene	0.498	0.533	-7.0	100	0.00	10.78
63	S	toluene-d8 (s)	1.254	1.223	2.5	98	0.00	11.48
64	M	4-methyl-2-pentanone	0.165	0.159	3.6	90	0.00	10.86
65	c	toluene	0.833	0.883	-6.0	100	0.00	11.55
66	M	trans-1,3-dichloropropene	0.405	0.432	-6.7	99	0.00	11.19
67	M	1,1,2-trichloroethane	0.231	0.226	2.2	94	0.00	11.37
68	M	ethyl methacrylate	0.257	0.242	5.8	91	0.00	11.57
69	I	chlorobenzene-d5	1.000	1.000	0.0	103	0.00	12.94
70	M	tetrachloroethene	0.969	1.058	-9.2	102	0.00	12.31
71	M	1,3-dichloropropane	0.947	0.924	2.4	94	0.00	11.60
72	M	dibromochloromethane	0.846	0.872	-3.1	96	0.00	11.89
73	M	1,2-dibromoethane	0.720	0.709	1.5	93	0.00	12.13
74	M	2-hexanone	0.264	0.229	13.3	82	0.00	11.72
75	P	chlorobenzene	2.647	2.712	-2.5	98	0.00	12.98
76	m	1-chlorohexane	1.022	1.188	-16.2	102	0.00	12.87
77	M	1,1,1,2-tetrachloroethane	0.926	0.984	-6.3	98	0.00	12.90
78	c	ethylbenzene	3.697	4.024	-8.8	100	0.00	13.15
79	M	m,p-xylene	1.575	1.723	-9.4	101	0.00	13.33
80	M	o-xylene	1.558	1.711	-9.8	101	0.00	13.74
81	M	styrene	2.513	2.709	-7.8	98	0.00	13.66
82	P	bromoform	0.423	0.424	-0.2	95	0.00	13.49
		----------	Amount	Calc.	%Drift		----------	
83	m	cis-1,4-dichloro-2-butene	50.000	51.900	-3.8	106	0.00	13.57
		----------	AvgRF	CCRF	%Dev		----------	
84	M	trans-1,4-dichloro-2-bute	0.111	0.122	-9.9	104	0.00	13.89
85	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	15.50
86	M	isopropylbenzene	3.345	3.675	-9.9	102	0.00	14.11
87	S	bromofluorobenzene (s)	0.956	0.878	8.2	96	0.00	14.16
88	M	bromobenzene	1.010	1.015	-0.5	98	0.00	14.39
89	P	1,1,2,2-tetrachloroethane	0.553	0.515	6.9	92	0.00	13.75
90	M	1,2,3-trichloropropane	0.548	0.532	2.9	95	0.00	13.89

Continuing Calibration Summary

Job Number: MC23228 **Sample:** MSK2375-CC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72949.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

91	M	n-propylbenzene	3.637	3.977	-9.3	101	0.00	14.55
92	M	2-chlorotoluene	2.290	2.407	-5.1	99	0.00	14.68
93	M	4-chlorotoluene	2.322	2.403	-3.5	99	0.00	14.75
94	M	1,3,5-trimethylbenzene	2.715	2.942	-8.4	101	0.00	14.83
95	M	tert-butylbenzene	1.434	1.549	-8.0	99	0.00	15.13
96	M	1,2,4-trimethylbenzene	2.758	2.974	-7.8	101	0.00	15.24
97	M	sec-butylbenzene	3.429	3.773	-10.0	102	0.00	15.36
98	M	1,3-dichlorobenzene	1.922	1.978	-2.9	99	0.00	15.47
99	M	p-isopropyltoluene	2.704	2.926	-8.2	103	0.00	15.53
100	M	1,4-dichlorobenzene	1.836	1.873	-2.0	99	0.00	15.53
101	M	1,2-dichlorobenzene	1.759	1.812	-3.0	98	0.00	15.91
102	M	n-butylbenzene	2.384	2.660	-11.6	103	0.00	15.95
103	M	1,2-dibromo-3-chloropropa	0.076	0.065	14.5	92	0.00	16.37
104		1,3,5-trichlorobenzene	1.107	1.181	-6.7	100	0.00	17.19
105	M	1,2,4-trichlorobenzene	0.966	0.969	-0.3	95	0.00	17.73
106	M	hexachlorobutadiene	0.559	0.601	-7.5	105	0.00	18.03
107	M	naphthalene	1.527	1.405	8.0	87	0.00	17.98
108	M	1,2,3-trichlorobenzene	0.681	0.643	5.6	90	0.00	18.20
109		2-methylnaphthalene	0.403	0.286	29.0#	73	-0.24	19.32
110		1-methylnaphthalene	0.903	0.639	29.2#	72	-0.24	19.56

(#) = Out of Range SPCC's out = 0 CCC's out = 0
k72940.D K130807S.m Thu Aug 08 10:16:18 2013

Continuing Calibration Summary

Job Number: MC23228 **Sample:** MSK2376-CC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72987.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\130809\k72987.D Vial: 2
Acq On : 9 Aug 2013 9:45 am Operator: GaryK
Sample : cc2374-50 Inst : MSK
Misc : ms29626,msk2376,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\K130807S.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 08 09:20:43 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		Tert butyl alcohol-d9	1.000	1.000	0.0	86	0.00	6.43
2		tertiary butyl alcohol	1.279	1.341	-4.8	87	0.00	6.51
3	T	Ethanol	0.161	0.161	0.0	78	0.00	5.37
4	I	pentafluorobenzene	1.000	1.000	0.0	107	0.00	8.84
5	M	dichlorodifluoromethane	0.541	0.573	-5.9	101	0.00	4.25
		----------	Amount	Calc.	%Drift	----------		
6	P	chloromethane	50.000	59.545	-19.1	100	0.01	4.46
		----------	AvgRF	CCRF	%Dev	----------		
7	c	vinyl chloride	0.264	0.293	-11.0	106	0.00	4.69
8	M	bromomethane	0.383	0.374	2.3	100	0.01	5.18
9	M	chloroethane	0.228	0.244	-7.0	104	0.01	5.34
10	m	dichlorofluoromethane	0.692	0.715	-3.3	101	0.00	5.39
11	M	ethyl ether	0.271	0.261	3.7	95	0.00	6.18
12	M	acetonitrile	0.057	0.048	15.8	91	0.00	6.51
13	M	trichlorofluoromethane	0.784	0.820	-4.6	103	0.00	5.97
14	M	freon-113	0.436	0.467	-7.1	106	0.00	6.73
15	M	acrolein	0.017	0.017	0.0	101	0.00	5.93
16	c	1,1-dichloroethene	0.428	0.433	-1.2	102	0.00	6.54
17	M	acetone	0.073	0.061	16.4	86	0.00	6.06
18	M	Methyl Acetate	0.332	0.289	13.0	88	0.00	6.67
19	M	methylene chloride	0.470	0.477	-1.5	101	0.00	6.69
20	M	methyl tert butyl ether	0.963	0.932	3.2	95	0.00	7.45
21	M	acrylonitrile	0.089	0.082	7.9	92	0.00	6.55
22	M	allyl chloride	0.548	0.590	-7.7	104	0.00	6.77
23	M	trans-1,2-dichloroethene	0.511	0.525	-2.7	104	0.00	7.35
24	M	iodomethane	0.856	0.932	-8.9	105	0.00	6.60
25	M	carbon disulfide	1.185	1.271	-7.3	102	0.00	6.96
26	M	propionitrile	0.033	0.032	3.0	95	0.00	7.57
27	M	vinyl acetate	0.639	0.650	-1.7	99	0.00	7.66
28	M	chloroprene	0.507	0.556	-9.7	105	0.00	7.96
29	M	di-isopropyl ether	1.214	1.233	-1.6	99	0.00	8.01
30	M	methacrylonitrile	0.199	0.169	15.1	89	0.00	8.09
31	M	2-butanone	0.036	0.031	13.9	88	0.00	7.98
32	M	Hexane	0.566	0.596	-5.3	107	0.00	7.99
33	P	1,1-dichloroethane	0.646	0.666	-3.1	101	0.00	7.60
34	M	tert-butyl ethyl ether	1.016	1.021	-0.5	98	0.00	8.40
35	M	isobutyl alcohol	0.033	0.031	6.1	98	0.00	8.40
36	M	2,2-dichloropropane	0.466	0.558	-19.7	119	0.00	8.46
37	M	cis-1,2-dichloroethene	0.571	0.582	-1.9	104	0.00	8.17

Continuing Calibration Summary

Job Number: MC23228 **Sample:** MSK2376-CC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72987.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

38	M	ethyl acetate	0.164	0.156	4.9	93	0.00	8.40
39	M	bromochloromethane	0.280	0.283	-1.1	101	0.00	8.32
40	c	chloroform	0.750	0.778	-3.7	101	0.00	8.36
41	S	dibromofluoromethane (s)	0.518	0.496	4.2	103	0.00	8.47
42	M	Tetrahydrofuran	0.078	0.065	16.7	88	0.00	8.68
43	M	1,1,1-trichloroethane	0.675	0.720	-6.7	104	0.00	9.13
44		n-Butyl Alcohol	0.023	0.025	-8.7	104	0.00	9.42
45	I	1,4-difluorobenzene	1.000	1.000	0.0	106	0.00	9.69
46	M	Cyclohexane	0.391	0.429	-9.7	104	0.00	9.42
47	M	carbon tetrachloride	0.413	0.436	-5.6	103	0.00	9.48
48	M	1,1-dichloropropene	0.396	0.429	-8.3	106	0.00	9.29
49	M	benzene	1.239	1.247	-0.6	103	0.00	9.49
50	M	1,2-dichloroethane	0.360	0.352	2.2	98	0.00	8.99
51	M	tert-amyl methyl ether	0.700	0.692	1.1	98	0.00	9.64
52	M	heptane	0.330	0.399	-20.9#	117	0.00	10.00
53		2-Nitropropane	0.337	0.399	-18.4	117	0.00	10.00
54	M	trichloroethene	0.373	0.384	-2.9	103	0.00	10.12
55	c	1,2-dichloropropane	0.293	0.303	-3.4	101	0.00	10.08
56	M	dibromomethane	0.177	0.173	2.3	97	0.00	10.05
57	M	bromodichloromethane	0.413	0.419	-1.5	100	0.00	10.16
58	M	Methylcyclohexane	0.467	0.508	-8.8	104	0.00	10.66
59	M	2-chloroethyl vinyl ether	0.147	0.141	4.1	98	0.00	10.53
60	M	methyl methacrylate	0.138	0.127	8.0	95	0.00	10.25
61	M	1,4-dioxane	0.002	0.002	0.0	86	0.00	10.25
62	M	cis-1,3-dichloropropene	0.498	0.538	-8.0	104	0.00	10.79
63	S	toluene-d8 (s)	1.254	1.237	1.4	102	0.00	11.48
64	M	4-methyl-2-pentanone	0.165	0.153	7.3	90	0.00	10.87
65	c	toluene	0.833	0.893	-7.2	104	0.00	11.55
66	M	trans-1,3-dichloropropene	0.405	0.431	-6.4	102	0.00	11.20
67	M	1,1,2-trichloroethane	0.231	0.225	2.6	97	0.00	11.37
68	M	ethyl methacrylate	0.257	0.245	4.7	96	0.00	11.57
69	I	chlorobenzene-d5	1.000	1.000	0.0	106	0.00	12.94
70	M	tetrachloroethene	0.969	1.088	-12.3	107	0.00	12.31
71	M	1,3-dichloropropane	0.947	0.931	1.7	97	0.00	11.61
72	M	dibromochloromethane	0.846	0.889	-5.1	100	0.00	11.89
73	M	1,2-dibromoethane	0.720	0.723	-0.4	98	0.00	12.14
74	M	2-hexanone	0.264	0.231	12.5	85	0.00	11.72
75	P	chlorobenzene	2.647	2.796	-5.6	104	0.00	12.98
76	m	1-chlorohexane	1.022	1.212	-18.6	107	0.00	12.87
77	M	1,1,1,2-tetrachloroethane	0.926	0.977	-5.5	100	0.00	12.90
78	c	ethylbenzene	3.697	4.070	-10.1	104	0.00	13.15
79	M	m,p-xylene	1.575	1.751	-11.2	105	0.00	13.33
80	M	o-xylene	1.558	1.713	-9.9	103	0.00	13.74
81	M	styrene	2.513	2.758	-9.7	102	0.00	13.67
82	P	bromoform	0.423	0.430	-1.7	98	0.00	13.49
		----------	Amount	Calc.	%Drift		----------	
83	m	cis-1,4-dichloro-2-butene	50.000	54.529	-9.1	115	0.00	13.57
		----------	AvgRF	CCRF	%Dev		----------	
84	M	trans-1,4-dichloro-2-bute	0.111	0.132	-18.9	116	0.00	13.89
85	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	15.50
86	M	isopropylbenzene	3.345	3.696	-10.5	103	0.00	14.11
87	S	bromofluorobenzene (s)	0.956	0.914	4.4	102	0.00	14.16
88	M	bromobenzene	1.010	1.057	-4.7	103	0.00	14.40
89	P	1,1,2,2-tetrachloroethane	0.553	0.513	7.2	93	0.00	13.75
90	M	1,2,3-trichloropropane	0.548	0.549	-0.2	99	0.00	13.89

Continuing Calibration Summary

Job Number: MC23228 **Sample:** MSK2376-CC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72987.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

91	M	n-propylbenzene	3.637	4.015	-10.4	103	0.00	14.56
92	M	2-chlorotoluene	2.290	2.429	-6.1	101	0.00	14.68
93	M	4-chlorotoluene	2.322	2.461	-6.0	102	0.00	14.75
94	M	1,3,5-trimethylbenzene	2.715	2.930	-7.9	102	0.00	14.83
95	M	tert-butylbenzene	1.434	1.570	-9.5	101	0.00	15.13
96	M	1,2,4-trimethylbenzene	2.758	2.984	-8.2	102	0.00	15.24
97	M	sec-butylbenzene	3.429	3.764	-9.8	103	0.00	15.36
98	M	1,3-dichlorobenzene	1.922	2.009	-4.5	102	0.00	15.47
99	M	p-isopropyltoluene	2.704	2.923	-8.1	104	0.00	15.53
100	M	1,4-dichlorobenzene	1.836	1.885	-2.7	101	0.00	15.53
101	M	1,2-dichlorobenzene	1.759	1.827	-3.9	100	0.00	15.91
102	M	n-butylbenzene	2.384	2.649	-11.1	104	0.00	15.95
103	M	1,2-dibromo-3-chloropropa	0.076	0.064	15.8	91	0.00	16.37
104		1,3,5-trichlorobenzene	1.107	1.179	-6.5	101	0.00	17.19
105	M	1,2,4-trichlorobenzene	0.966	0.943	2.4	93	0.00	17.73
106	M	hexachlorobutadiene	0.559	0.591	-5.7	105	0.00	18.03
107	M	naphthalene	1.527	1.352	11.5	85	0.00	17.98
108	M	1,2,3-trichlorobenzene	0.681	0.606	11.0	86	0.00	18.20
109		2-methylnaphthalene	0.403	0.267	33.7#	69	-0.24	19.32
110		1-methylnaphthalene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
k72940.D K130807S.m Fri Aug 09 13:08:42 2013

New England ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72993.D
Acq On : 9 Aug 2013 12:29 pm
Operator : GaryK
Sample : mc23228-1
Misc : ms29626,msk2376,11.134,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 09 13:12:31 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

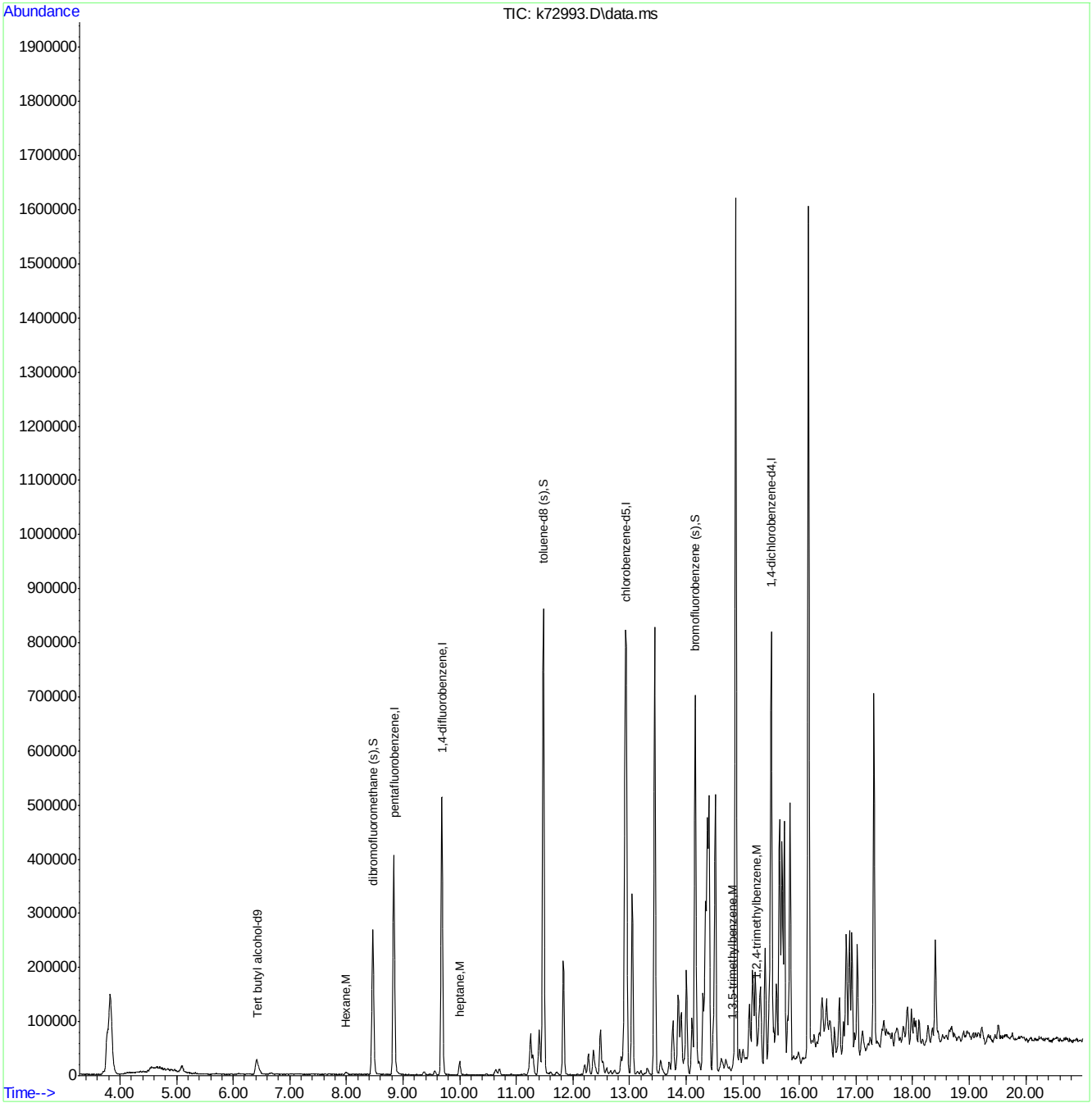
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.427	65	55859	500.00	ug/kg	0.00
4) pentafluorobenzene	8.839	168	357714	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.686	114	536135	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.943	82	206992	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.502	152	255227	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.468	113	200371	54.11	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.22%			
63) toluene-d8 (s)	11.478	98	687560	51.15	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.30%			
87) bromofluorobenzene (s)	14.161	95	244936	50.21	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.42%			
Target Compounds						Qvalue
32) Hexane	7.989	41	2011	0.50	ug/kg#	81
52) heptane	9.999	43	11622	3.29	ug/kg	95
94) 1,3,5-trimethylbenzene	14.827	105	2749	0.20	ug/kg	79
96) 1,2,4-trimethylbenzene	15.239	105	4250	0.30	ug/kg	79

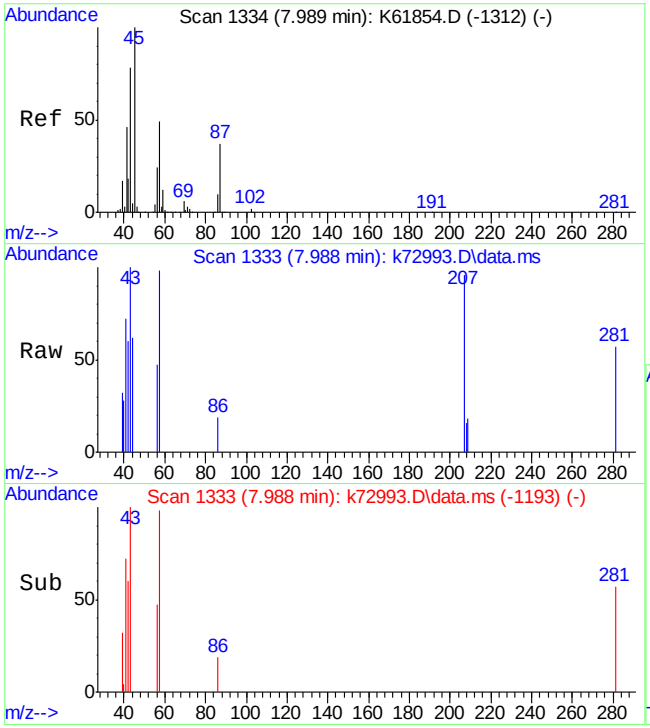
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72993.D
Acq On : 9 Aug 2013 12:29 pm
Operator : GaryK
Sample : mc23228-1
Misc : ms29626,msk2376,11.134,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 09 13:12:31 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

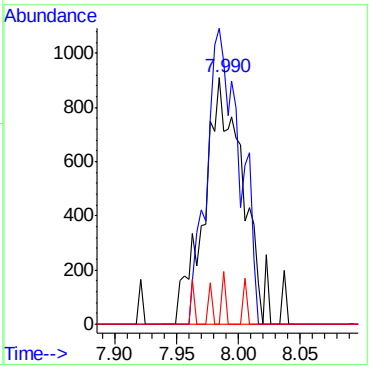


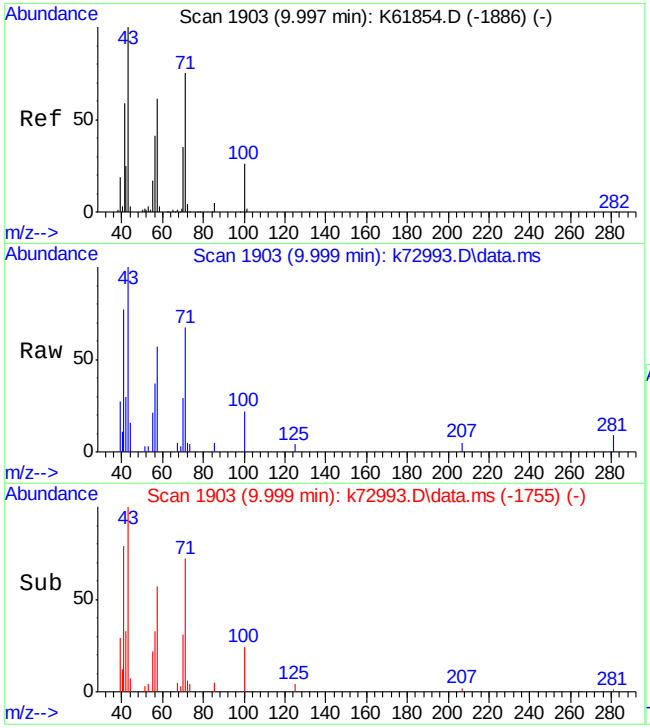


#32
Hexane
Concen: 0.50 ug/kg
RT: 7.989 min Scan# 1333
Delta R.T. -0.003 min
Lab File: k72993.D
Acq: 9 Aug 2013 12:29 pm

Tgt Ion: 41 Resp: 2011

Ion	Ratio	Lower	Upper
41	100		
57	136.4	91.4	137.0
86	27.1	17.4	26.0#

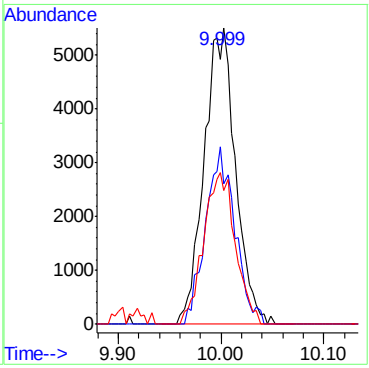


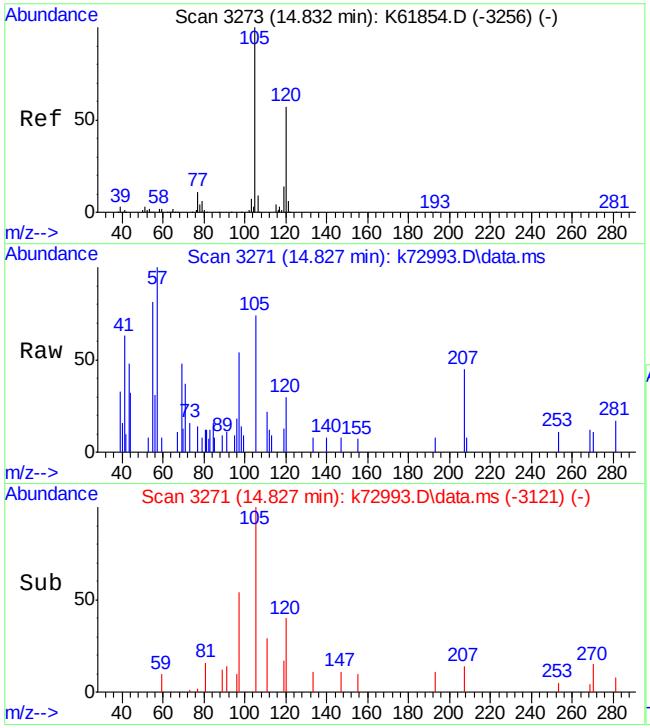


#52
heptane
Concen: 3.29 ug/kg
RT: 9.999 min Scan# 1903
Delta R.T. 0.002 min
Lab File: k72993.D
Acq: 9 Aug 2013 12:29 pm

Tgt Ion: 43 Resp: 11622

Ion	Ratio	Lower	Upper
43	100		
71	67.1	43.3	103.3
57	57.4	28.9	88.9

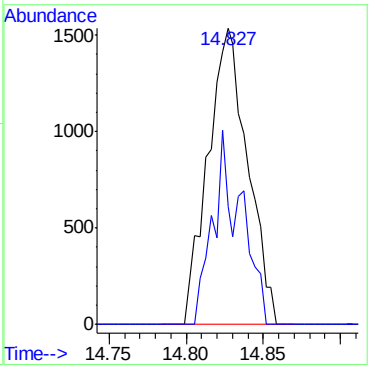


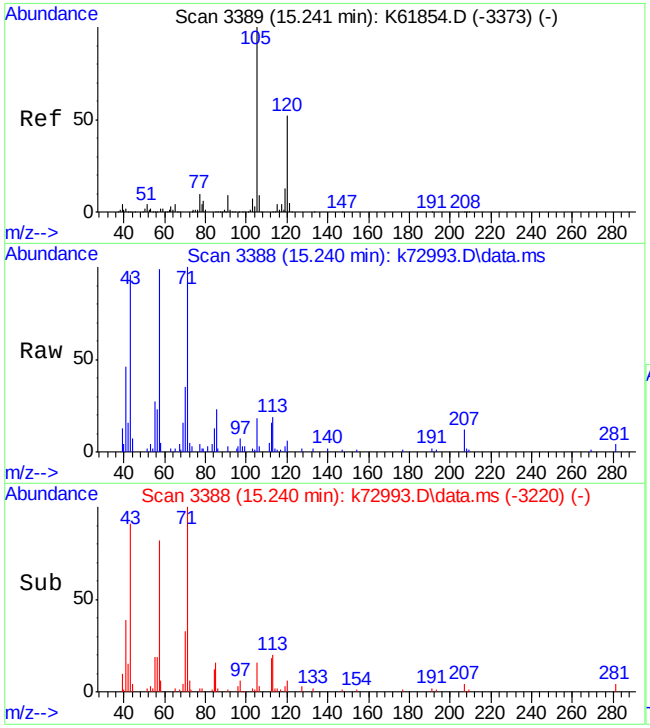


#94
1,3,5-trimethylbenzene
Concen: 0.20 ug/kg
RT: 14.827 min Scan# 3271
Delta R.T. 0.000 min
Lab File: k72993.D
Acq: 9 Aug 2013 12:29 pm

Tgt Ion:105 Resp: 2749

Ion	Ratio	Lower	Upper
105	100		
120	40.0	25.1	85.1

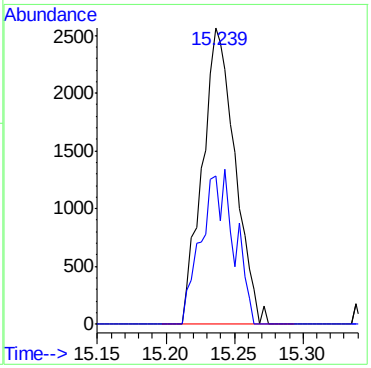




#96
1,2,4-trimethylbenzene
Concen: 0.30 ug/kg
RT: 15.239 min Scan# 3388
Delta R.T. 0.001 min
Lab File: k72993.D
Acq: 9 Aug 2013 12:29 pm

Tgt Ion:105 Resp: 4250

Ion	Ratio	Lower	Upper
105	100		
120	36.6	21.1	81.1



LSC Area Percent Report

Data Path : C:\msdchem\1\data\130809\
Data File : k72993.D
Acq On : 9 Aug 2013 12:29 pm
Operator : GaryK
Sample : mc23228-1
Misc : ms29626tic,msk2376,11.134,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\K130807S.m
Title : SW-846 Method 8260

Signal : TIC: k72993.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.417	873	888	903	rBV3	26810	91764	3.21%	0.301%
2	8.468	1452	1469	1487	rBV	267631	616203	21.57%	2.020%
3	8.835	1559	1573	1589	rBV	404666	877502	30.72%	2.876%
4	9.682	1799	1813	1831	rBV	513770	1052147	36.83%	3.448%
5	9.999	1892	1903	1915	rBV4	24675	51169	1.79%	0.168%
6	11.256	2237	2259	2266	rBV3	76384	178746	6.26%	0.586%
7	11.404	2289	2301	2309	rBV3	82264	175663	6.15%	0.576%
8	11.478	2310	2322	2337	rVB	858807	1687825	59.08%	5.532%
9	11.831	2410	2422	2436	rBV3	210454	390862	13.68%	1.281%
10	12.212	2517	2530	2537	rBV5	18461	38785	1.36%	0.127%
11	12.272	2538	2547	2560	rVB4	37784	74049	2.59%	0.243%
12	12.364	2561	2573	2594	rVB3	44807	114995	4.03%	0.377%
13	12.487	2595	2608	2616	rBV2	82716	173201	6.06%	0.568%
14	12.854	2700	2712	2716	rBV4	31200	57598	2.02%	0.189%
15	12.935	2717	2735	2751	rVV3	820476	2377031	83.21%	7.791%
16	13.048	2754	2767	2784	rVB	332939	653047	22.86%	2.140%
17	13.443	2867	2879	2894	rBV	825850	1447323	50.67%	4.744%
18	13.549	2897	2909	2918	rBV6	23889	53788	1.88%	0.176%
19	13.698	2939	2951	2960	rBV3	22493	50105	1.75%	0.164%
20	13.765	2960	2970	2983	rVB3	93855	207179	7.25%	0.679%
21	13.856	2983	2996	3005	rBV4	139784	320447	11.22%	1.050%
22	13.913	3006	3012	3021	rVB3	95554	179410	6.28%	0.588%
23	14.005	3029	3038	3051	rVB2	191370	367521	12.87%	1.205%
24	14.103	3054	3066	3072	rBV	102356	198601	6.95%	0.651%
25	14.160	3072	3082	3095	rVB	681016	1283732	44.94%	4.207%
26	14.297	3110	3121	3126	rBV4	142271	265405	9.29%	0.870%
27	14.343	3126	3134	3137	rBV2	204307	316375	11.08%	1.037%
28	14.375	3139	3143	3146	rVV	132778	141584	4.96%	0.464%
29	14.516	3164	3183	3197	rVB	511256	1094237	38.31%	3.586%
30	14.622	3199	3213	3227	rBV10	24638	80199	2.81%	0.263%
31	14.876	3266	3285	3297	rBV	1610626	2856634	100.00%	9.362%
32	14.943	3299	3304	3313	rVB7	25765	46457	1.63%	0.152%
33	15.003	3313	3321	3329	rBV7	24649	46815	1.64%	0.153%
34	15.116	3344	3353	3361	rBV2	101713	201091	7.04%	0.659%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\130809\
Data File : k72993.D
Acq On : 9 Aug 2013 12:29 pm
Operator : GaryK
Sample : mc23228-1
Misc : ms29626tic,msk2376,11.134,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\K130807S.m
Title : SW-846 Method 8260

35	15.176	3361	3370	3377	rVV3	156168	339232	11.88%	1.112%
36	15.222	3378	3383	3393	rVV2	146807	247313	8.66%	0.811%
37	15.310	3396	3408	3421	rVB5	142358	399654	13.99%	1.310%
38	15.395	3421	3432	3442	rBV2	214088	416111	14.57%	1.364%
39	15.501	3442	3462	3473	rBV	789803	1638907	57.37%	5.371%
40	15.593	3482	3488	3495	rBV5	104590	170127	5.96%	0.558%
41	15.649	3495	3504	3510	rVV	416077	761069	26.64%	2.494%
42	15.691	3511	3516	3522	rVV2	381947	649706	22.74%	2.129%
43	15.734	3522	3528	3538	rVV	428060	712136	24.93%	2.334%
44	15.794	3538	3545	3547	rVV3	73613	90632	3.17%	0.297%
45	15.833	3548	3556	3567	rVB	475637	833470	29.18%	2.732%
46	16.157	3637	3648	3660	rBV	1571423	2680317	93.83%	8.785%
47	16.401	3709	3717	3728	rVB7	62319	123694	4.33%	0.405%
48	16.620	3772	3779	3787	rBV2	53182	88861	3.11%	0.291%
49	16.708	3795	3804	3814	rVB2	106809	207085	7.25%	0.679%
50	16.778	3817	3824	3829	rVV4	57673	92721	3.25%	0.304%
51	16.828	3829	3838	3846	rVV4	215620	442806	15.50%	1.451%
52	16.884	3847	3854	3860	rVV2	218068	386715	13.54%	1.267%
53	16.927	3861	3866	3875	rVB2	212739	331538	11.61%	1.087%
54	17.022	3885	3893	3905	rVB2	205444	360426	12.62%	1.181%
55	17.110	3910	3918	3933	rVV2	35454	91963	3.22%	0.301%
56	17.315	3967	3976	3988	rVB	646726	1071882	37.52%	3.513%
57	17.904	4136	4143	4154	rVB8	70091	164948	5.77%	0.541%
58	17.982	4158	4165	4171	rBV5	53258	86317	3.02%	0.283%
59	18.112	4197	4202	4213	rVB5	43118	68102	2.38%	0.223%
60	18.402	4276	4284	4294	rBV4	170953	288422	10.10%	0.945%

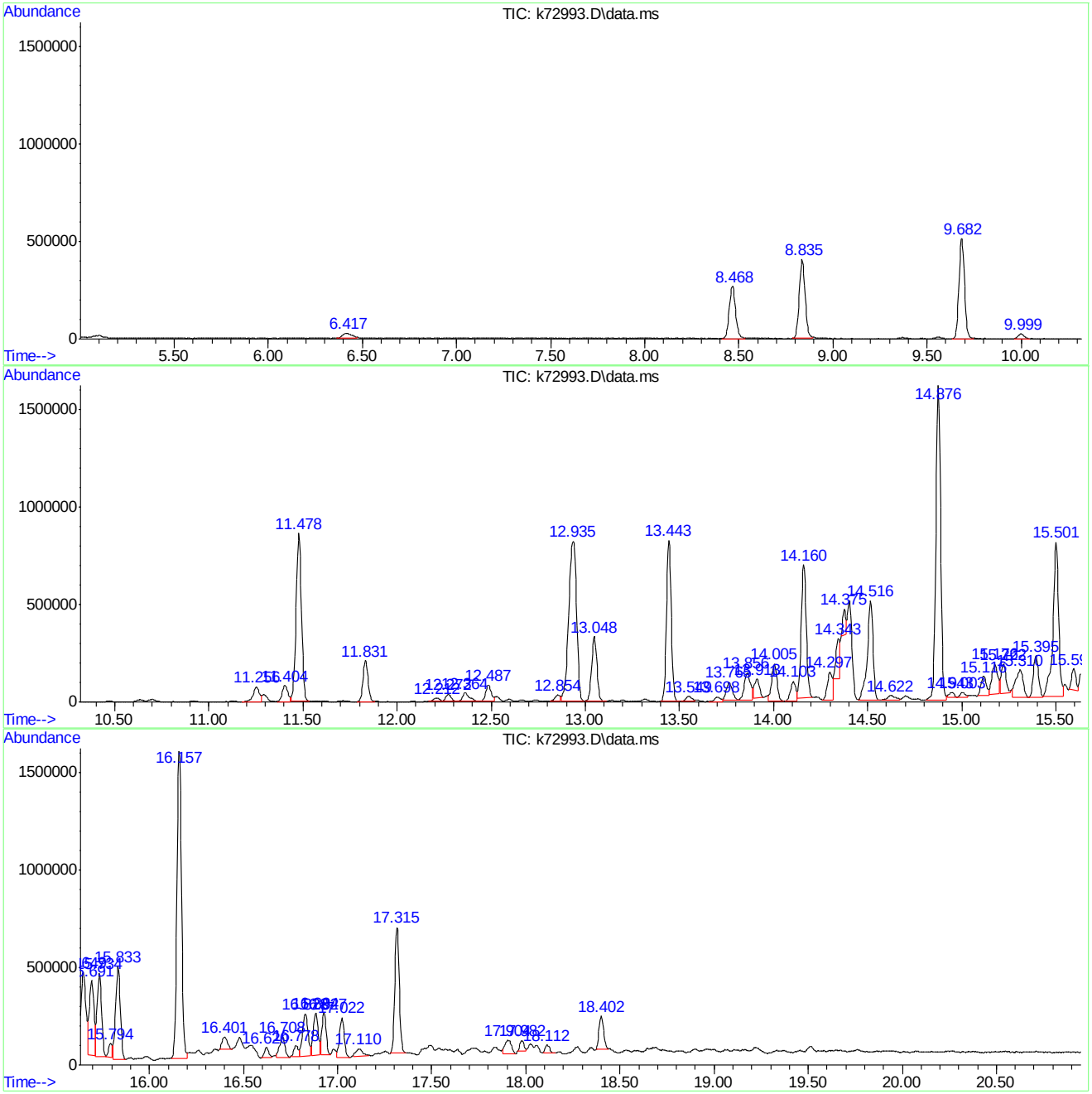
Sum of corrected areas: 30511644

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\130809\
Data File : k72993.D
Acq On : 9 Aug 2013 12:29 pm
Operator : GaryK
Sample : mc23228-1
Misc : ms29626tic,msk2376,11.134,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\130809\
Data File : k72993.D
Acq On : 9 Aug 2013 12:29 pm
Operator : GaryK
Sample : mc23228-1
Misc : ms29626tic,msk2376,11.134,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

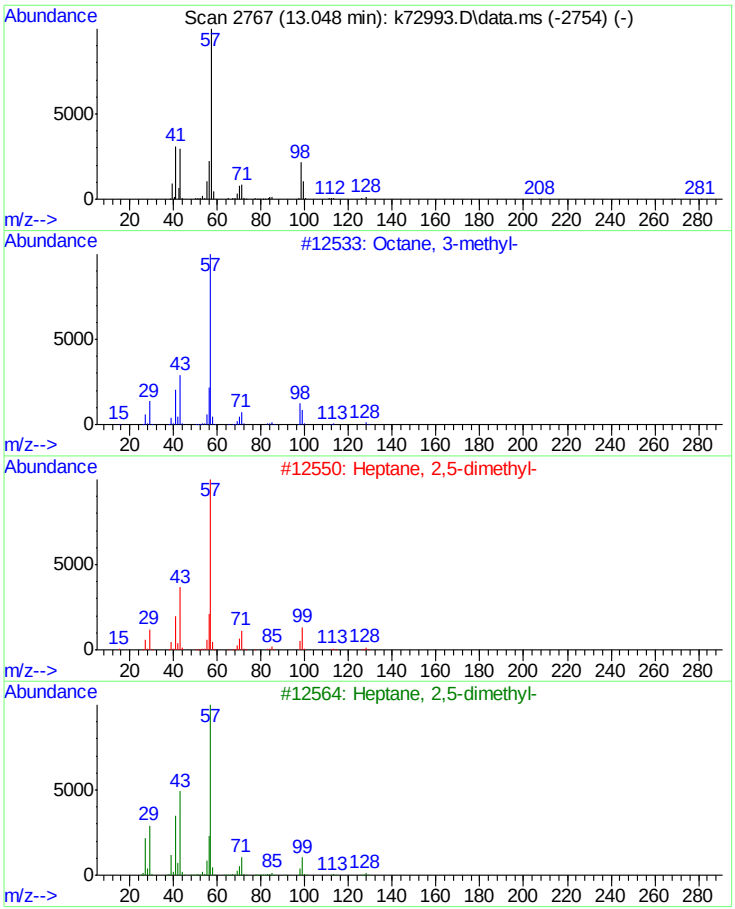
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

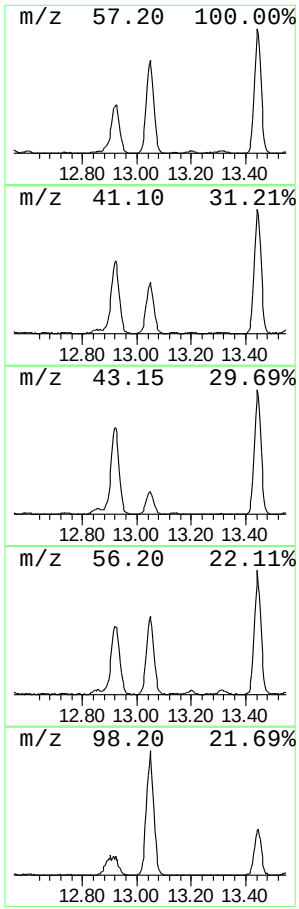
****

Peak Number 1 Octane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.048	13.74 ug/kg	653047	chlorobenzene-d5	12.943

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	87
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	68
4	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	64
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64





Library Search Compound Report

Data Path : C:\msdchem\1\data\130809\
Data File : k72993.D
Acq On : 9 Aug 2013 12:29 pm
Operator : GaryK
Sample : mc23228-1
Misc : ms29626tic,msk2376,11.134,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

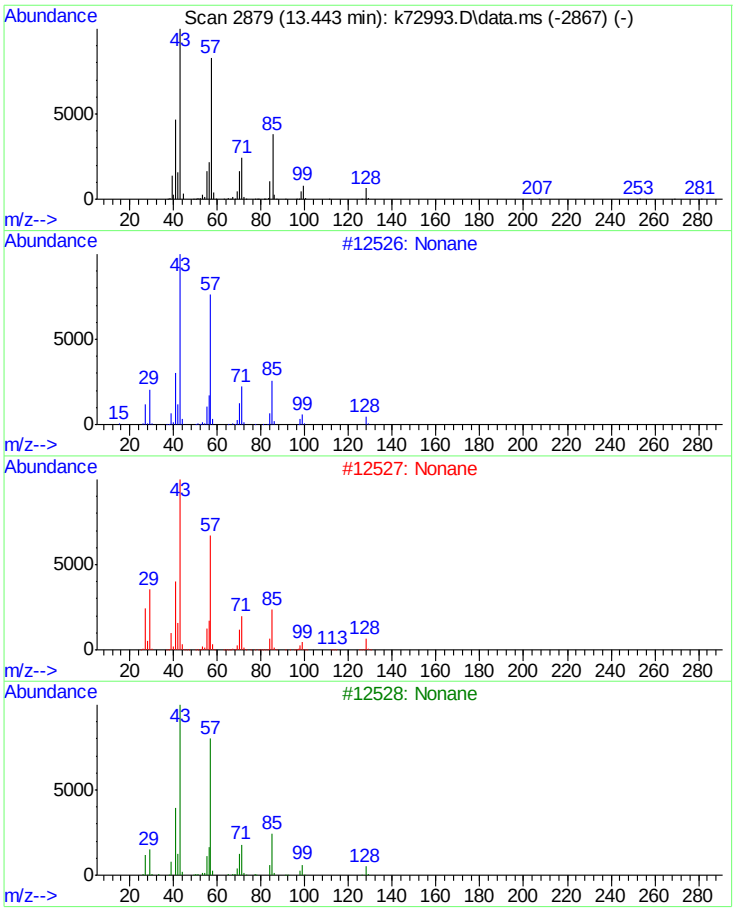
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

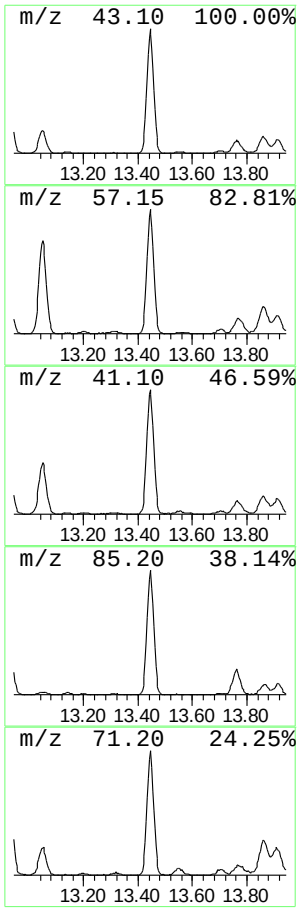
****

Peak Number 2 Nonane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.444	30.44 ug/kg	1447320	chlorobenzene-d5	12.943

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	97
2	Nonane	128	C9H20	000111-84-2	93
3	Nonane	128	C9H20	000111-84-2	87
4	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	59
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59





Library Search Compound Report

Data Path : C:\msdchem\1\data\130809\
Data File : k72993.D
Acq On : 9 Aug 2013 12:29 pm
Operator : GaryK
Sample : mc23228-1
Misc : ms29626tic,msk2376,11.134,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

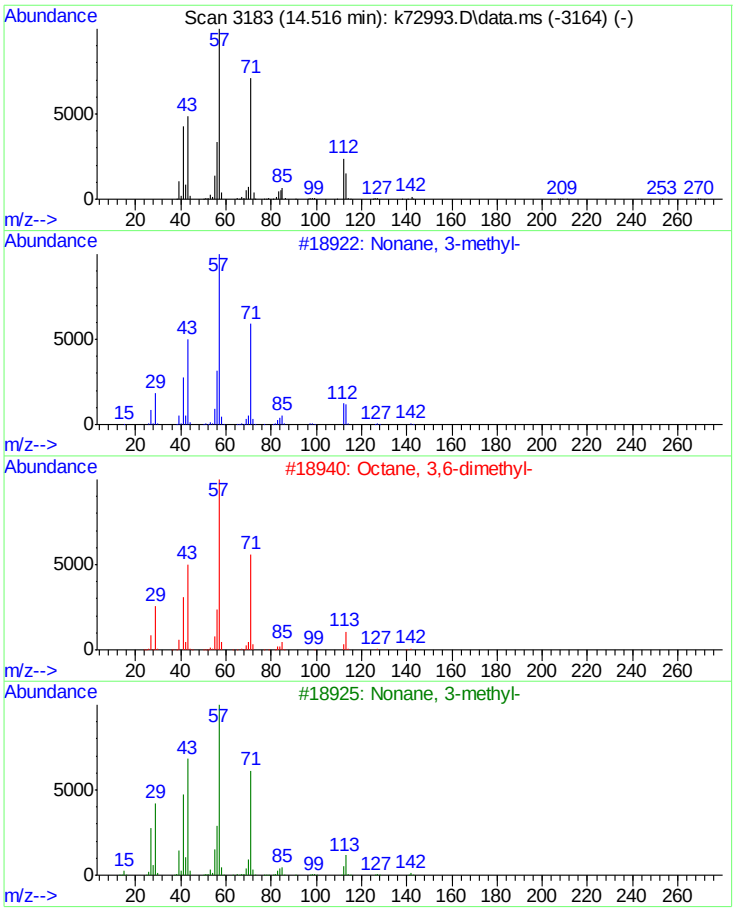
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

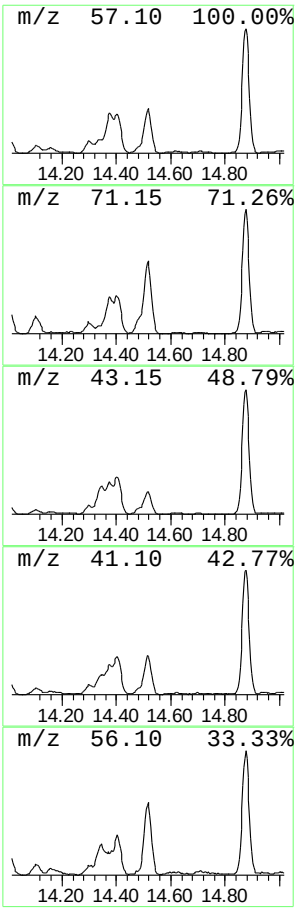
****

Peak Number 3 Nonane, 3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.516	33.38 ug/kg	1094240	1,4-dichlorobenzene-d4	15.502

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	87
4	Tridecane, 7-methyl-	198	C14H30	026730-14-3	86
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72





Library Search Compound Report

Data Path : C:\msdchem\1\data\130809\
Data File : k72993.D
Acq On : 9 Aug 2013 12:29 pm
Operator : GaryK
Sample : mc23228-1
Misc : ms29626tic,msk2376,11.134,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

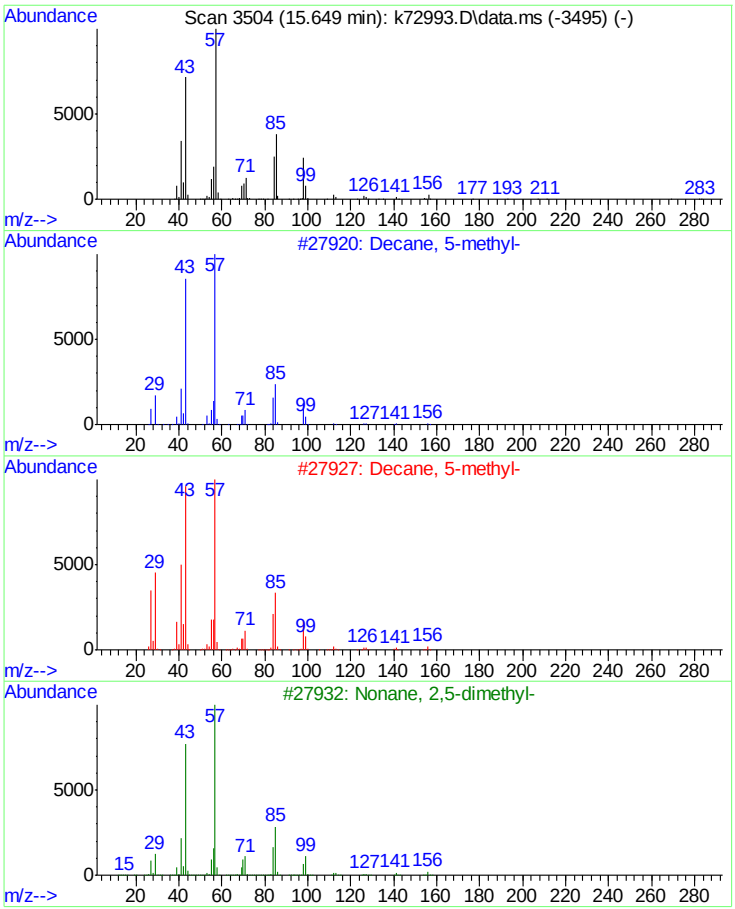
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

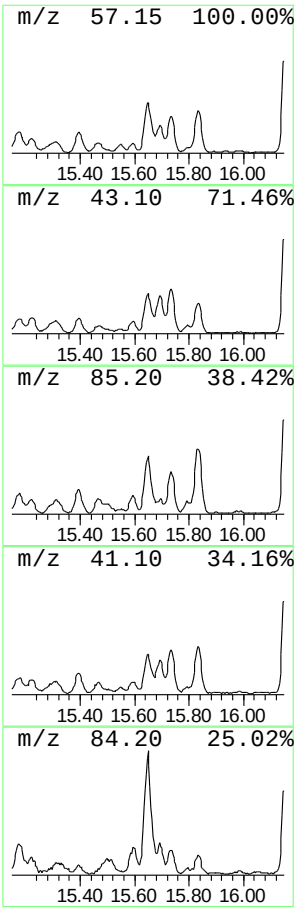
****

Peak Number 4 Decane, 5-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.649	23.22 ug/kg	761069	1,4-dichlorobenzene-d4	15.502

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-	156	C11H24	013151-35-4	81
2	Decane, 5-methyl-	156	C11H24	013151-35-4	80
3	Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	68
4	Nonane	128	C9H20	000111-84-2	53
5	Heptane, 4-ethyl-	128	C9H20	002216-32-2	53





Library Search Compound Report

Data Path : C:\msdchem\1\data\130809\
Data File : k72993.D
Acq On : 9 Aug 2013 12:29 pm
Operator : GaryK
Sample : mc23228-1
Misc : ms29626tic,msk2376,11.134,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

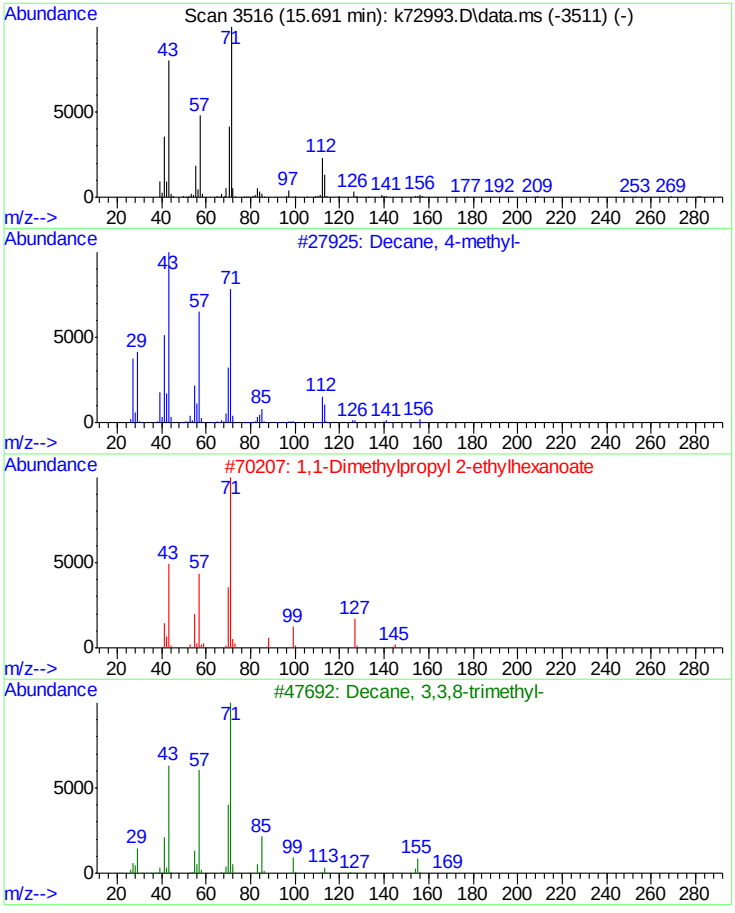
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

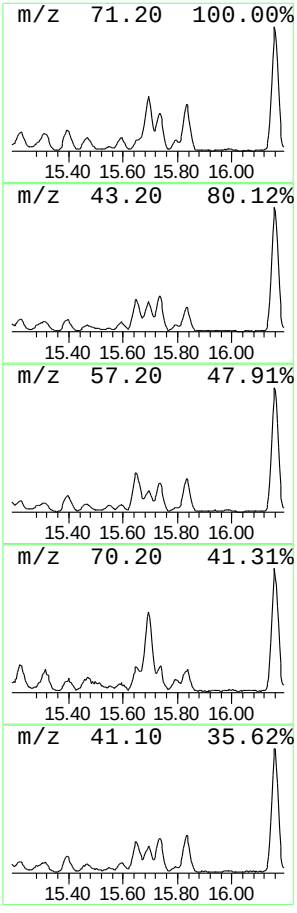
****

Peak Number 5 Decane, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.691	19.82 ug/kg	649706	1,4-dichlorobenzene-d4	15.502

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	78
2	1,1-Dimethylpropyl 2-ethylhexanoate	214	C13H26O2	1000099-99-2	59
3	Decane, 3,3,8-trimethyl-	184	C13H28	062338-16-3	59
4	Decane, 4-methyl-	156	C11H24	002847-72-5	53
5	Sulfurous acid, decyl 2-pentyl e...	292	C15H32O3S	1000309-15-9	50





Library Search Compound Report

Data Path : C:\msdchem\1\data\130809\
Data File : k72993.D
Acq On : 9 Aug 2013 12:29 pm
Operator : GaryK
Sample : mc23228-1
Misc : ms29626tic,msk2376,11.134,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

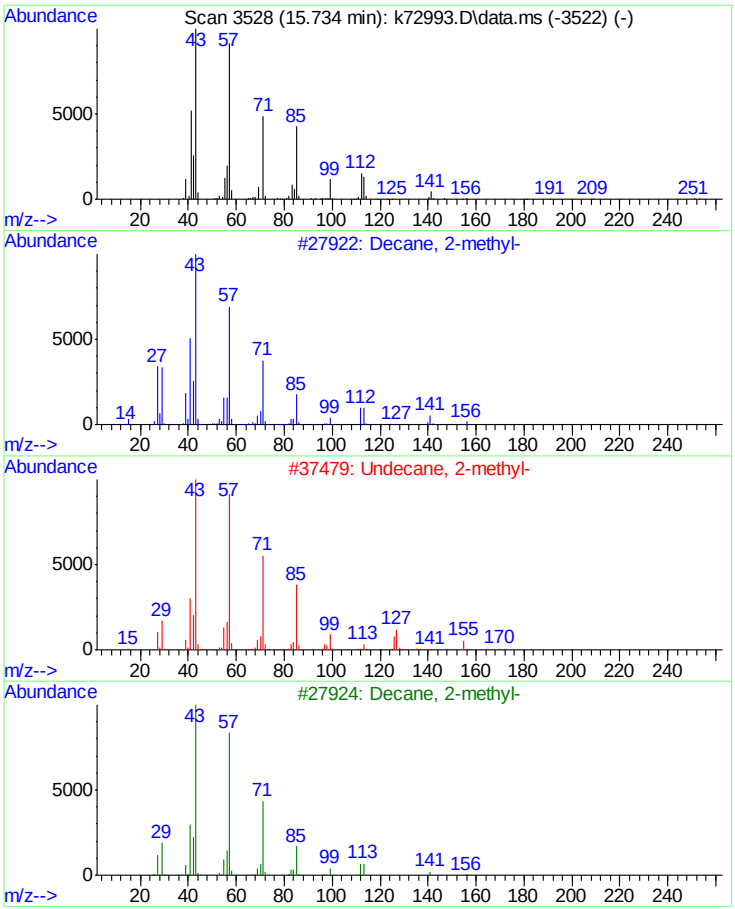
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

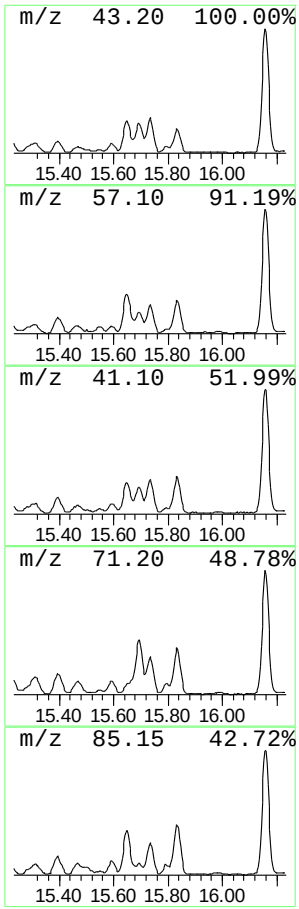
****

Peak Number 6 Decane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.734	21.73 ug/kg	712136	1,4-dichlorobenzene-d4	15.502

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	72
2	Undecane, 2-methyl-	170	C12H26	007045-71-8	72
3	Decane, 2-methyl-	156	C11H24	006975-98-0	64
4	Tridecane	184	C13H28	000629-50-5	64
5	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	59





Library Search Compound Report

Data Path : C:\msdchem\1\data\130809\
Data File : k72993.D
Acq On : 9 Aug 2013 12:29 pm
Operator : GaryK
Sample : mc23228-1
Misc : ms29626tic,msk2376,11.134,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

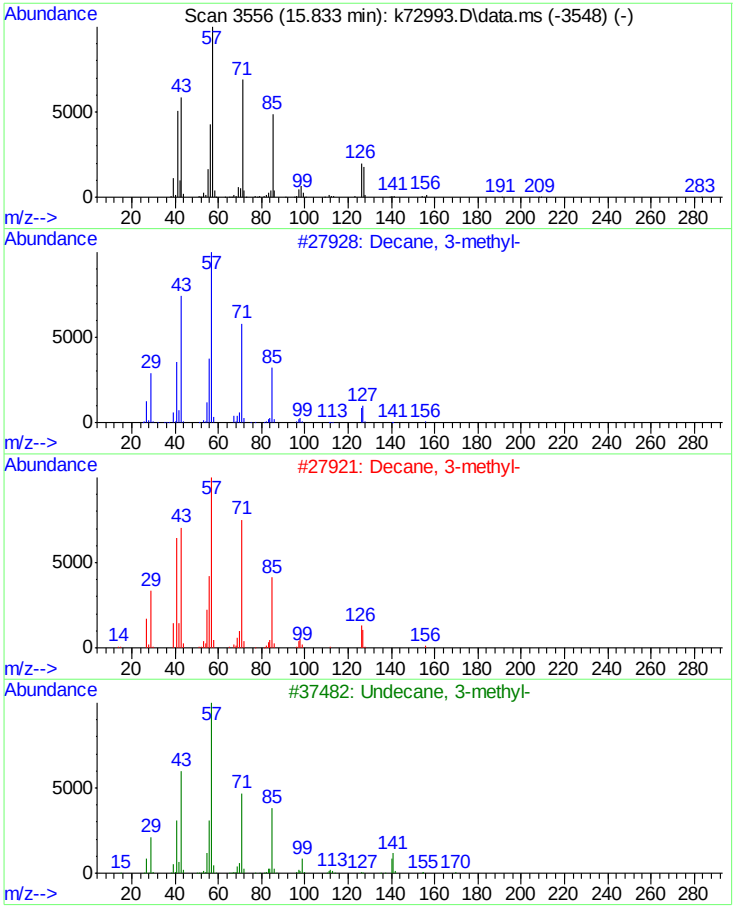
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

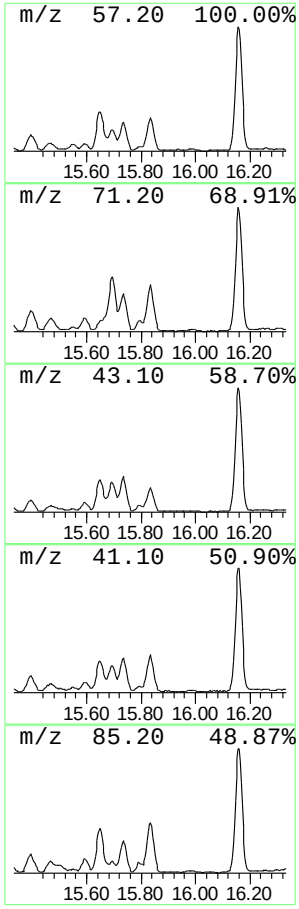
****

Peak Number 7 Decane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.833	25.43 ug/kg	833470	1,4-dichlorobenzene-d4	15.502

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	94
2	Decane, 3-methyl-	156	C11H24	013151-34-3	94
3	Undecane, 3-methyl-	170	C12H26	001002-43-3	64
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	53
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	47





Library Search Compound Report

Data Path : C:\msdchem\1\data\130809\
Data File : k72993.D
Acq On : 9 Aug 2013 12:29 pm
Operator : GaryK
Sample : mc23228-1
Misc : ms29626tic,msk2376,11.134,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

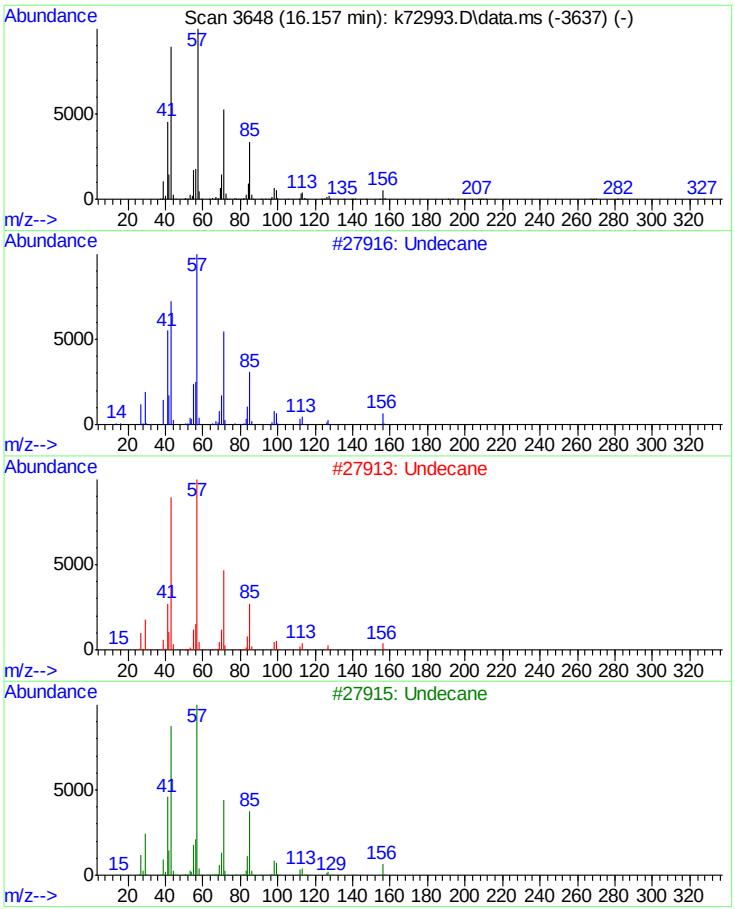
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

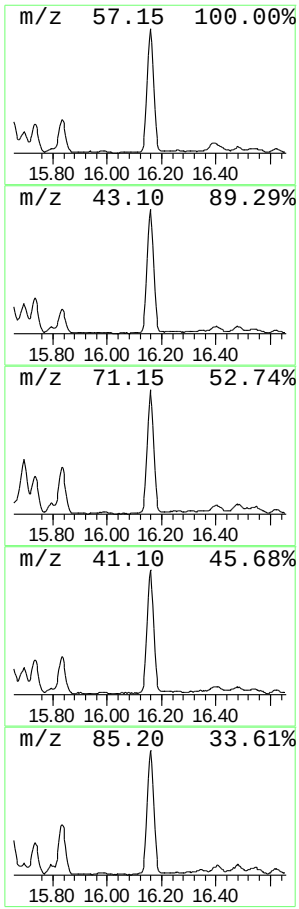
****

Peak Number 8 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.157	81.77 ug/kg	2680320	1,4-dichlorobenzene-d4	15.502

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	96
2	Undecane	156	C11H24	001120-21-4	95
3	Undecane	156	C11H24	001120-21-4	94
4	Undecane	156	C11H24	001120-21-4	91
5	Hexadecane	226	C16H34	000544-76-3	90





Library Search Compound Report

Data Path : C:\msdchem\1\data\130809\
Data File : k72993.D
Acq On : 9 Aug 2013 12:29 pm
Operator : GaryK
Sample : mc23228-1
Misc : ms29626tic,msk2376,11.134,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

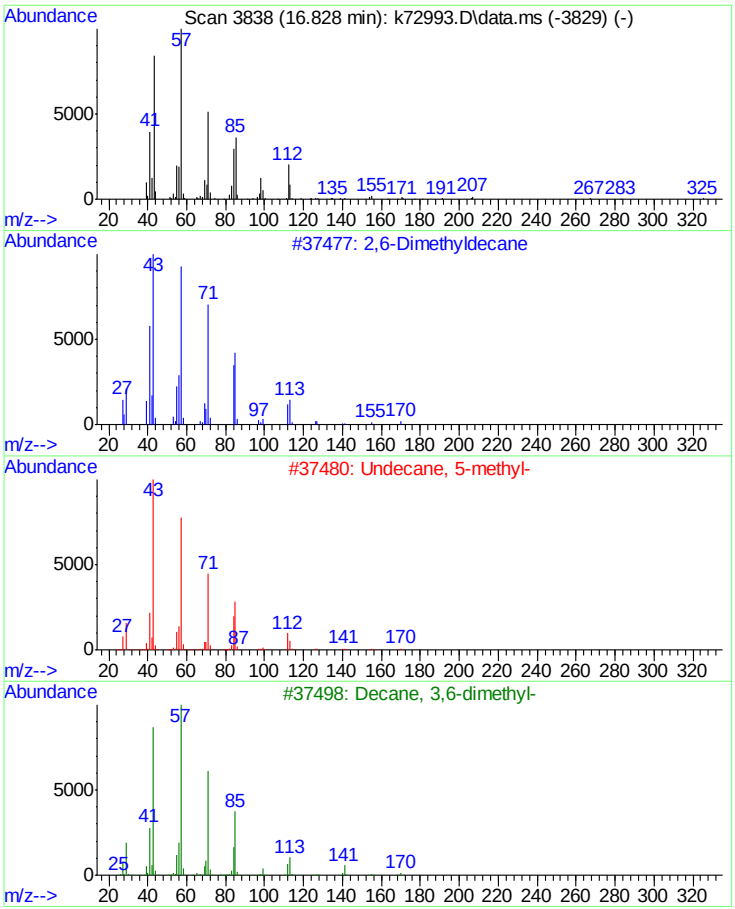
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

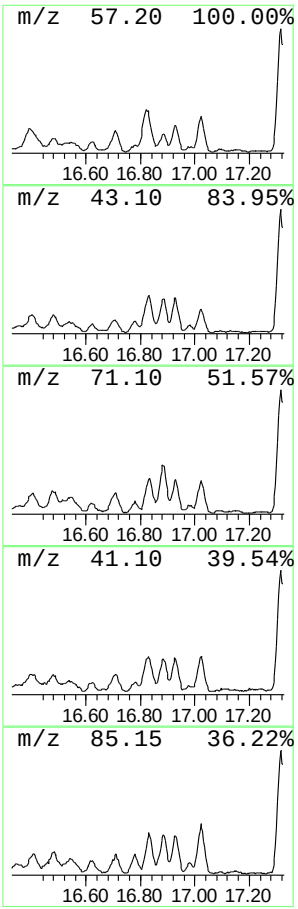
****

Peak Number 9 2,6-Dimethyldecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.828	13.51 ug/kg	442806	1,4-dichlorobenzene-d4	15.502

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Dimethyldecane	170	C12H26	013150-81-7	94
2	Undecane, 5-methyl-	170	C12H26	001632-70-8	87
3	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	76
4	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	64
5	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	53





Library Search Compound Report

Data Path : C:\msdchem\1\data\130809\
Data File : k72993.D
Acq On : 9 Aug 2013 12:29 pm
Operator : GaryK
Sample : mc23228-1
Misc : ms29626tic,msk2376,11.134,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

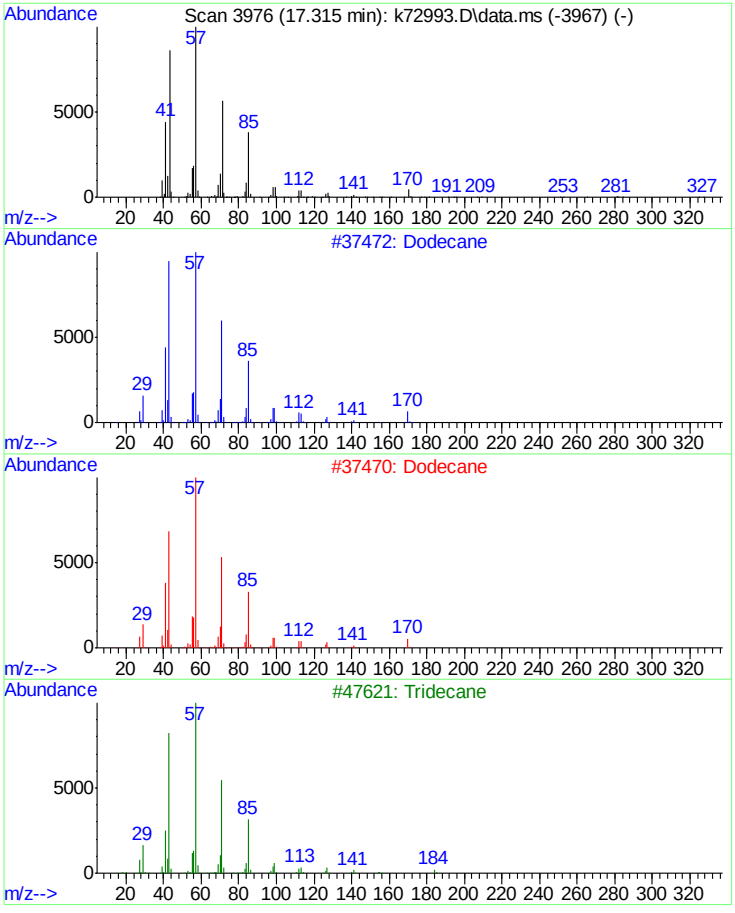
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

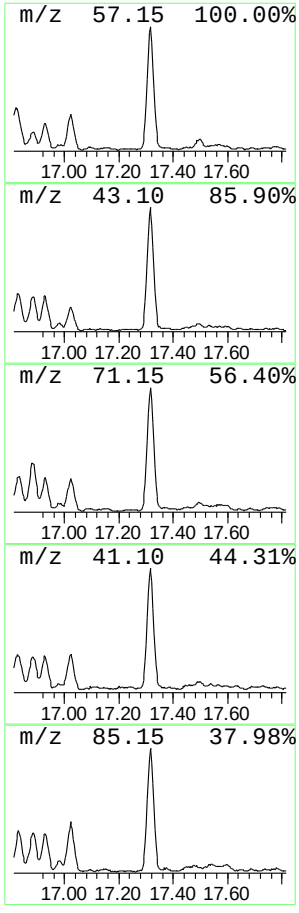
****

Peak Number 10 Dodecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.315	32.70 ug/kg	1071880	1,4-dichlorobenzene-d4	15.502

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	97
2	Dodecane	170	C12H26	000112-40-3	96
3	Tridecane	184	C13H28	000629-50-5	90
4	Tetradecane	198	C14H30	000629-59-4	90
5	Tridecane	184	C13H28	000629-50-5	90





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\130809\
Data File : k72993.D
Acq On : 9 Aug 2013 12:29 pm
Operator : GaryK
Sample : mc23228-1
Misc : ms29626tic,msk2376,11.134,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Octane, 3-methyl-	13.048	13.7	ug/kg	653047	4	12.943	2377030	50.0
Nonane	13.444	30.4	ug/kg	1447320	4	12.943	2377030	50.0
Nonane, 3-methyl-	14.516	33.4	ug/kg	1094240	5	15.502	1638910	50.0
Decane, 5-methyl-	15.649	23.2	ug/kg	761069	5	15.502	1638910	50.0
Decane, 4-methyl-	15.691	19.8	ug/kg	649706	5	15.502	1638910	50.0
Decane, 2-methyl-	15.734	21.7	ug/kg	712136	5	15.502	1638910	50.0
Decane, 3-methyl-	15.833	25.4	ug/kg	833470	5	15.502	1638910	50.0
Undecane	16.157	81.8	ug/kg	2680320	5	15.502	1638910	50.0
2,6-Dimethyldecane	16.828	13.5	ug/kg	442806	5	15.502	1638910	50.0
Dodecane	17.315	32.7	ug/kg	1071880	5	15.502	1638910	50.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72972.D
Acq On : 8 Aug 2013 7:25 pm
Operator : GaryK
Sample : mc23228-2
Misc : ms29620,msk2375,9.666,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 09 08:05:27 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

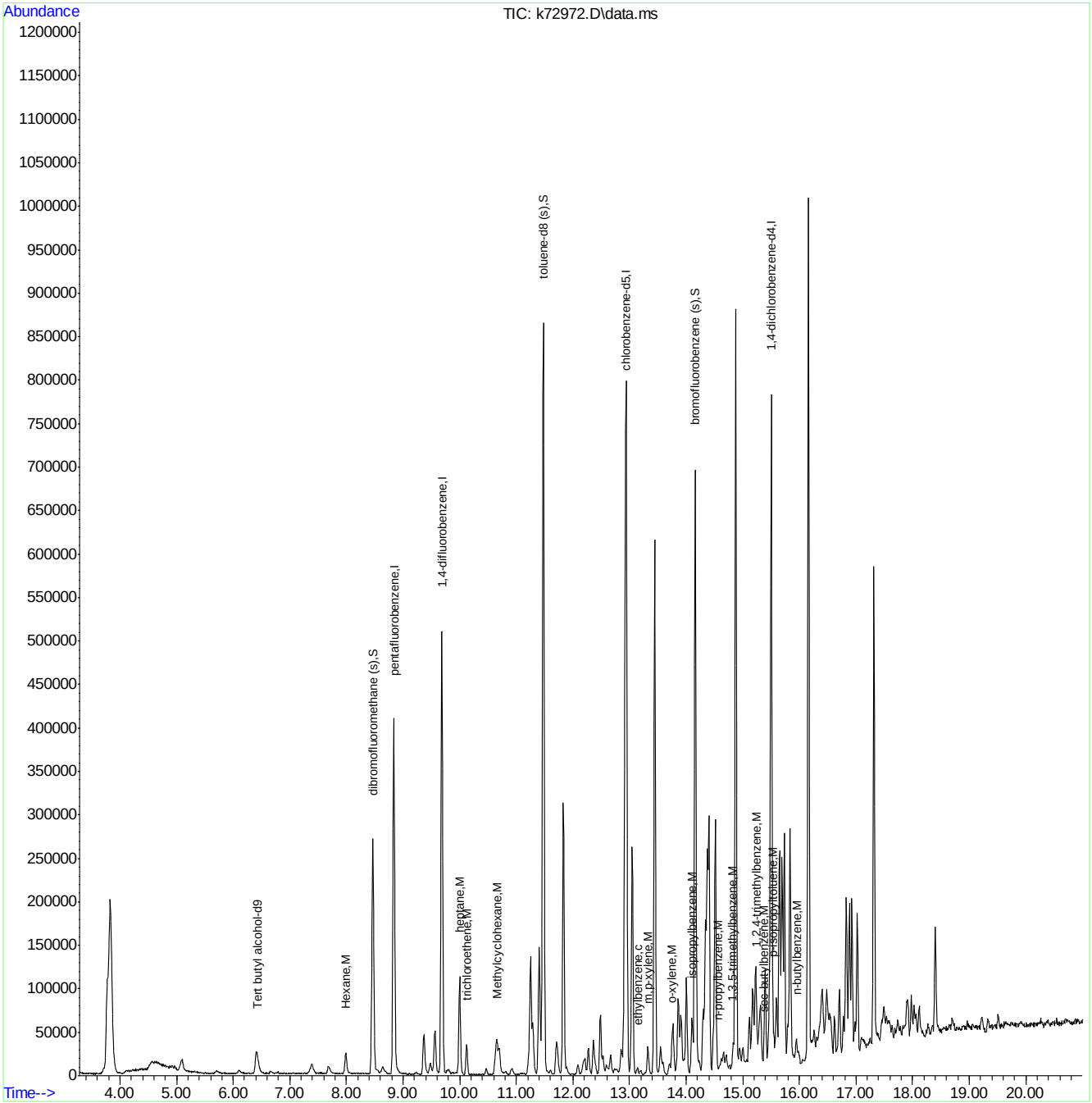
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.426	65	52946	500.00	ug/kg	0.00
4) pentafluorobenzene	8.839	168	362067	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.685	114	534207	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.943	82	213627	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	256452	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.468	113	203975	54.42	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.84%			
63) toluene-d8 (s)	11.478	98	697695	52.09	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.18%			
87) bromofluorobenzene (s)	14.160	95	252502	51.51	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.02%			
Target Compounds						Qvalue
32) Hexane	7.991	41	10932	2.67	ug/kg#	93
52) heptane	9.999	43	51612	14.65	ug/kg	87
54) trichloroethene	10.123	95	12424	3.12	ug/kg	85
58) Methylcyclohexane	10.666	83	19533	3.92	ug/kg	98
78) ethylbenzene	13.149	91	2890	0.18	ug/kg	52
79) m,p-xylene	13.328	106	10325	1.53	ug/kg	99
80) o-xylene	13.743	106	2624	0.39	ug/kg	94
86) isopropylbenzene	14.110	105	2813	0.16	ug/kg	98
91) n-propylbenzene	14.556	91	5209	0.28	ug/kg	95
94) 1,3,5-trimethylbenzene	14.827	105	16651	1.20	ug/kg	99
96) 1,2,4-trimethylbenzene	15.238	105	29329	2.07	ug/kg	99
97) sec-butylbenzene	15.362	105	3711	0.21	ug/kg	91
99) p-isopropyltoluene	15.528	119	3301	0.24	ug/kg	74
102) n-butylbenzene	15.950	91	4705	0.38	ug/kg#	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

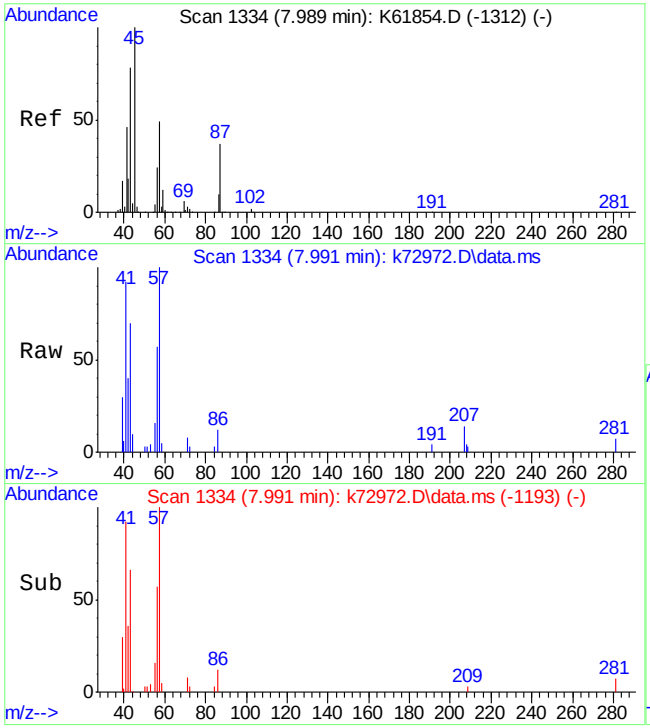
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72972.D
Acq On : 8 Aug 2013 7:25 pm
Operator : GaryK
Sample : mc23228-2
Misc : ms29620,msk2375,9.666,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 09 08:05:27 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



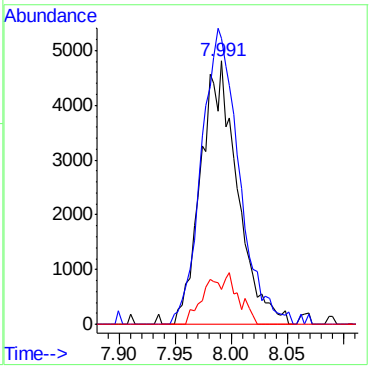
K130807S.m Fri Aug 09 08:27:26 2013 Page: 2

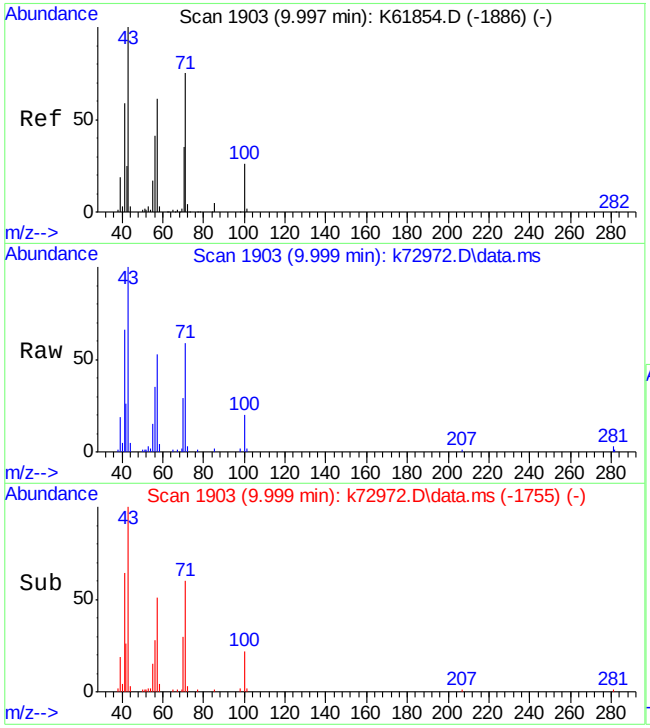


#32
Hexane
Concen: 2.67 ug/kg
RT: 7.991 min Scan# 1334
Delta R.T. -0.001 min
Lab File: k72972.D
Acq: 8 Aug 2013 7:25 pm

Tgt Ion: 41 Resp: 10932

Ion	Ratio	Lower	Upper
41	100		
57	108.5	91.4	137.0
86	13.3	17.4	26.0#

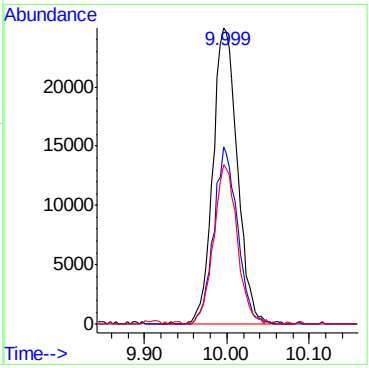


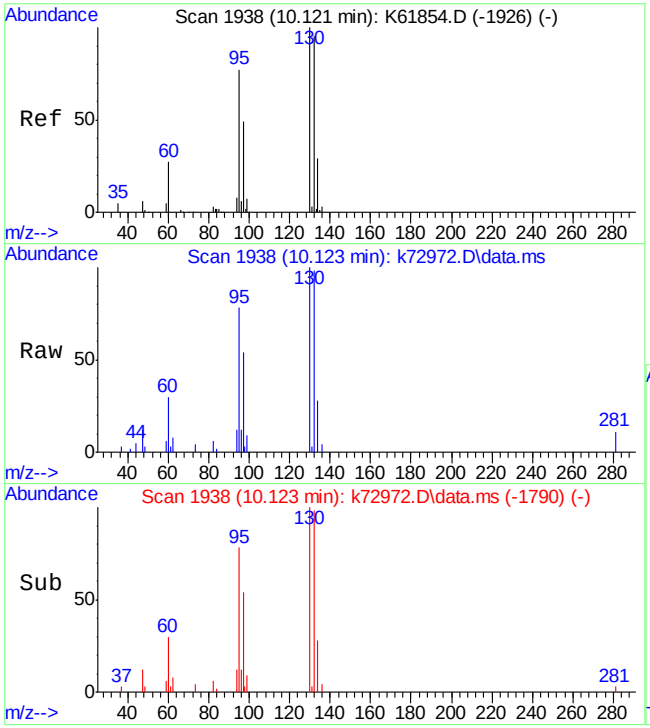


#52
heptane
Concen: 14.65 ug/kg
RT: 9.999 min Scan# 1903
Delta R.T. 0.002 min
Lab File: k72972.D
Acq: 8 Aug 2013 7:25 pm

Tgt Ion: 43 Resp: 51612

Ion	Ratio	Lower	Upper
43	100		
71	58.8	43.3	103.3
57	53.4	28.9	88.9

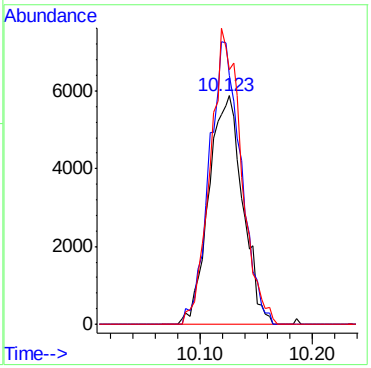


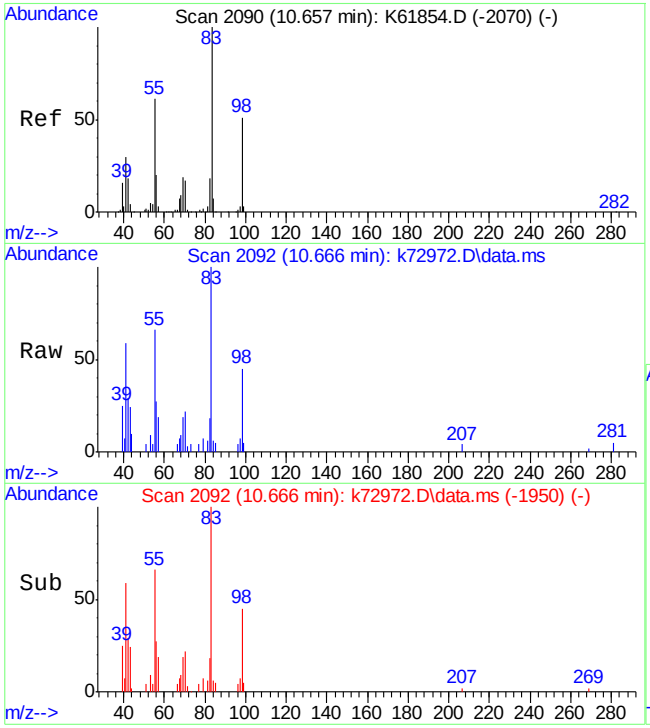


#54
trichloroethene
Concen: 3.12 ug/kg
RT: 10.123 min Scan# 1938
Delta R.T. 0.001 min
Lab File: k72972.D
Acq: 8 Aug 2013 7:25 pm

Tgt Ion: 95 Resp: 12424

Ion	Ratio	Lower	Upper
95	100		
130	128.7	83.8	143.8
132	126.2	79.6	139.6

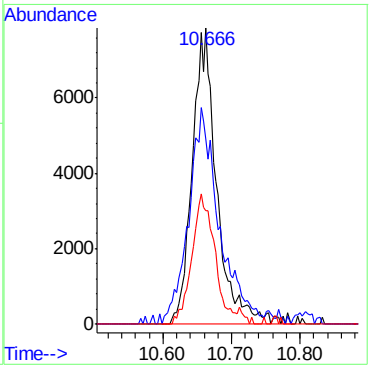


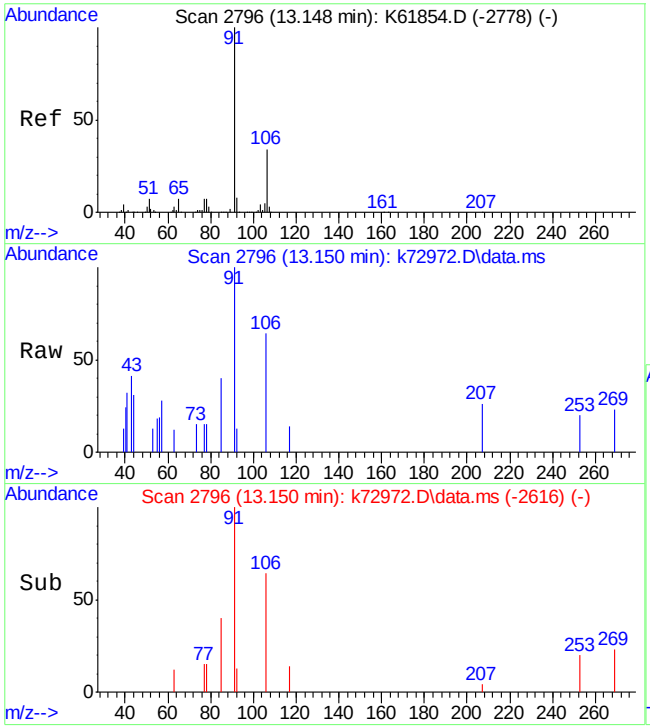


#58
Methylcyclohexane
Concen: 3.92 ug/kg
RT: 10.666 min Scan# 2092
Delta R.T. 0.002 min
Lab File: k72972.D
Acq: 8 Aug 2013 7:25 pm

Tgt Ion: 83 Resp: 19533

Ion	Ratio	Lower	Upper
83	100		
55	65.8	52.2	78.4
98	45.2	38.9	58.3

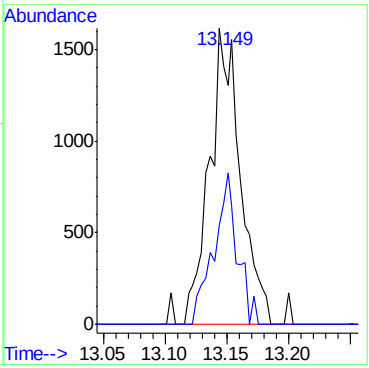


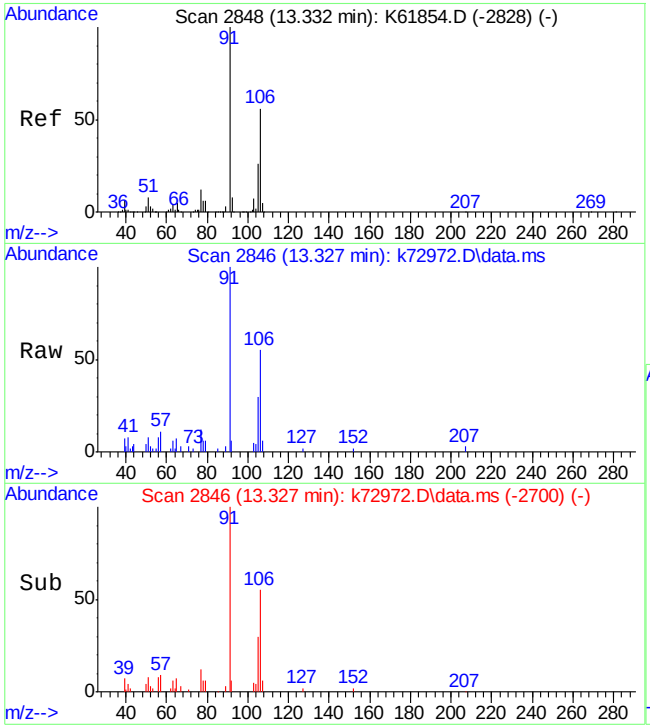


#78
ethylbenzene
Concen: 0.18 ug/kg
RT: 13.149 min Scan# 2796
Delta R.T. 0.002 min
Lab File: k72972.D
Acq: 8 Aug 2013 7:25 pm

Tgt Ion: 91 Resp: 2890

Ion	Ratio	Lower	Upper
91	100		
106	63.7	5.5	65.5

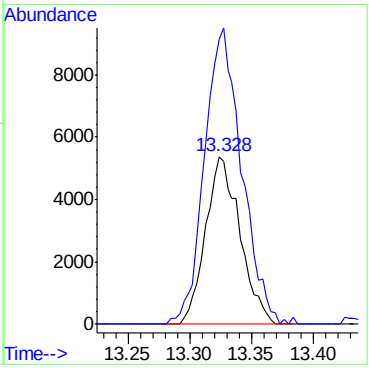


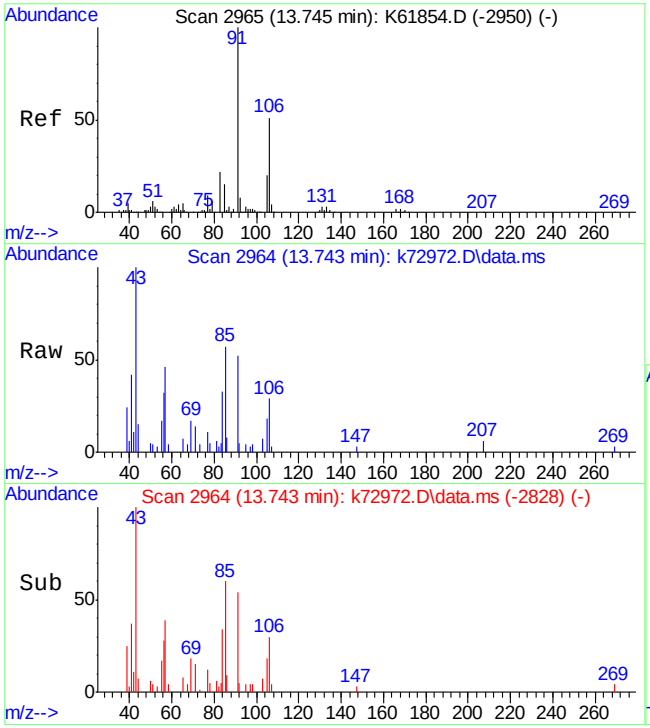


#79
m,p-xylene
Concen: 1.53 ug/kg
RT: 13.328 min Scan# 2846
Delta R.T. -0.002 min
Lab File: k72972.D
Acq: 8 Aug 2013 7:25 pm

Tgt Ion:106 Resp: 10325

Ion	Ratio	Lower	Upper
106	100		
91	181.4	150.2	210.2

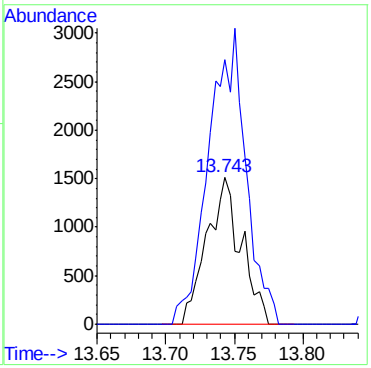


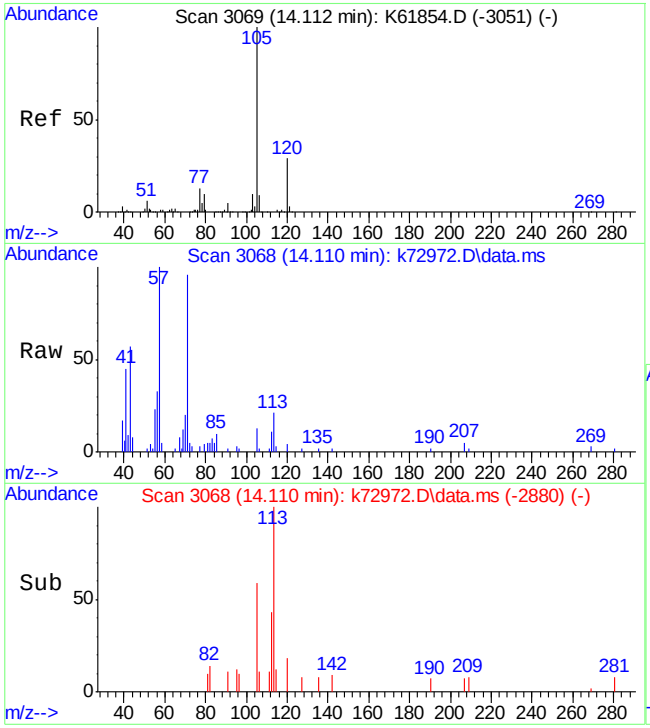


#80
o-xylene
Concen: 0.39 ug/kg
RT: 13.743 min Scan# 2964
Delta R.T. -0.000 min
Lab File: k72972.D
Acq: 8 Aug 2013 7:25 pm

Tgt Ion:106 Resp: 2624

Ion	Ratio	Lower	Upper
106	100		
91	179.9	159.4	219.4

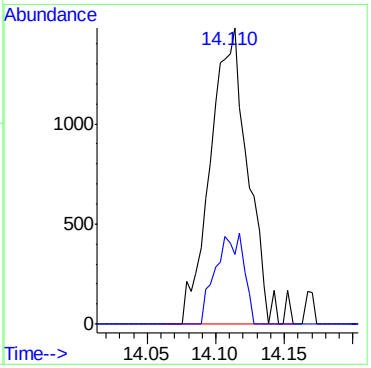


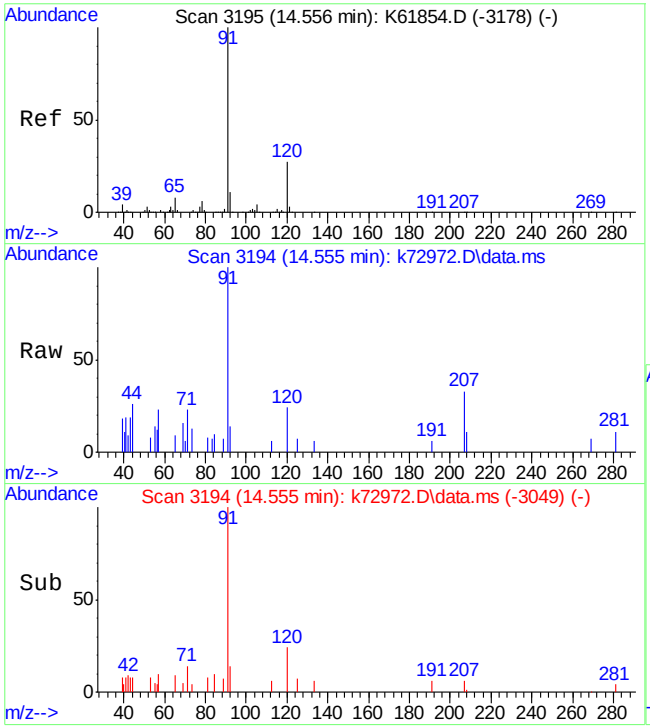


#86
isopropylbenzene
Concen: 0.16 ug/kg
RT: 14.110 min Scan# 3068
Delta R.T. 0.002 min
Lab File: k72972.D
Acq: 8 Aug 2013 7:25 pm

Tgt Ion:105 Resp: 2813

Ion	Ratio	Lower	Upper
105	100		
120	29.8	0.0	58.8

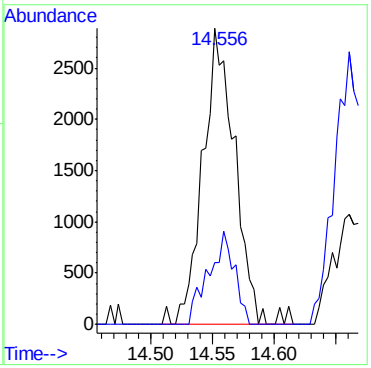


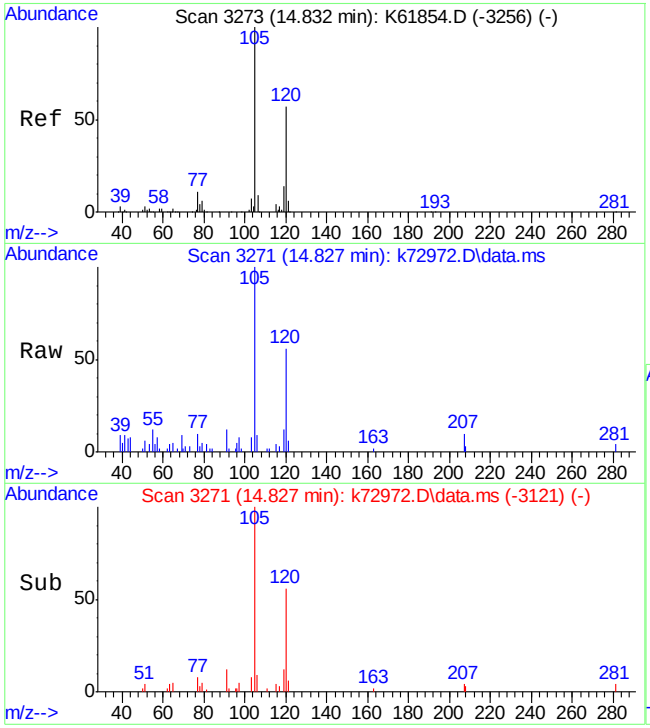


#91
n-propylbenzene
Concen: 0.28 ug/kg
RT: 14.556 min Scan# 3194
Delta R.T. 0.001 min
Lab File: k72972.D
Acq: 8 Aug 2013 7:25 pm

Tgt Ion: 91 Resp: 5209

Ion	Ratio	Lower	Upper
91	100		
120	23.9	0.0	56.5

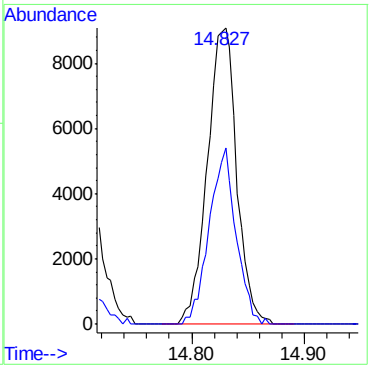


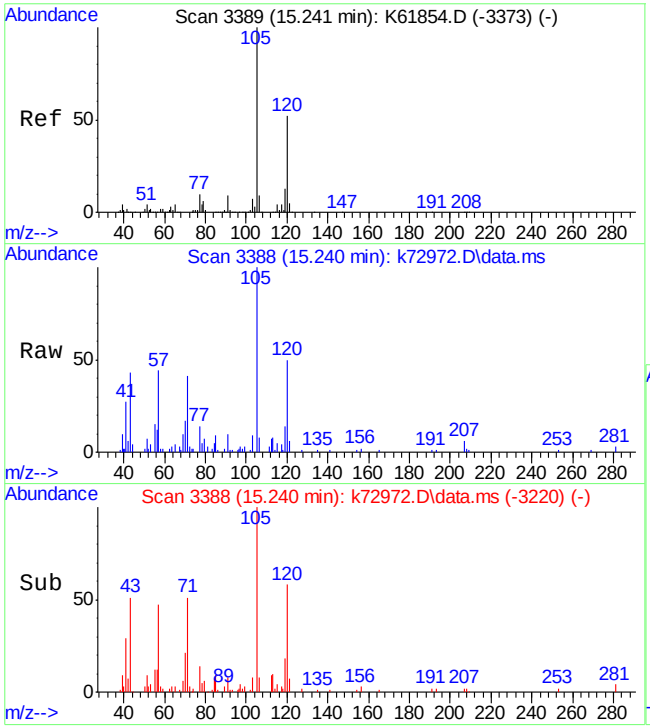


#94
1,3,5-trimethylbenzene
Concen: 1.20 ug/kg
RT: 14.827 min Scan# 3271
Delta R.T. -0.000 min
Lab File: k72972.D
Acq: 8 Aug 2013 7:25 pm

Tgt Ion:105 Resp: 16651

Ion	Ratio	Lower	Upper
105	100		
120	55.6	25.1	85.1

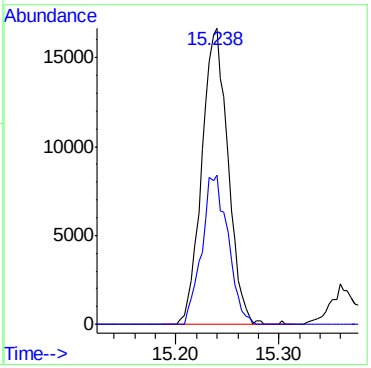


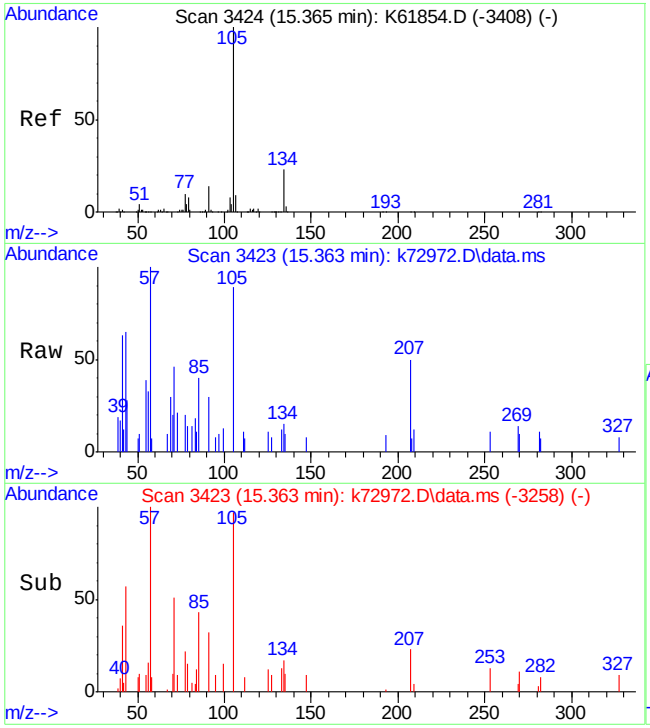


#96
1,2,4-trimethylbenzene
Concen: 2.07 ug/kg
RT: 15.238 min Scan# 3388
Delta R.T. 0.000 min
Lab File: k72972.D
Acq: 8 Aug 2013 7:25 pm

Tgt Ion:105 Resp: 29329

Ion	Ratio	Lower	Upper
105	100		
120	50.5	21.1	81.1

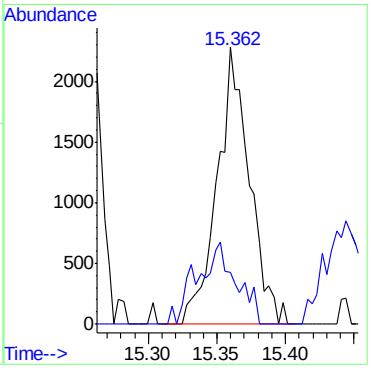


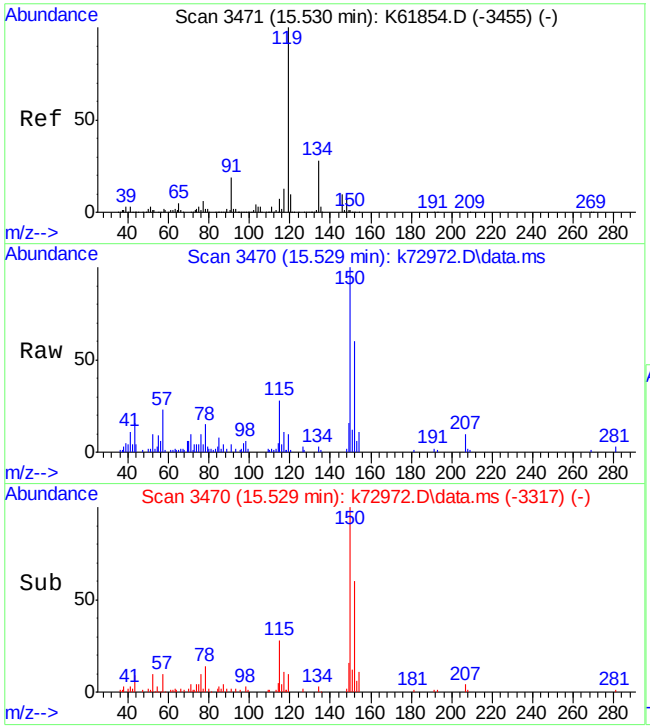


#97
sec-butylbenzene
Concen: 0.21 ug/kg
RT: 15.362 min Scan# 3423
Delta R.T. 0.000 min
Lab File: k72972.D
Acq: 8 Aug 2013 7:25 pm

Tgt Ion:105 Resp: 3711

Ion	Ratio	Lower	Upper
105	100		
134	17.3	0.0	51.7

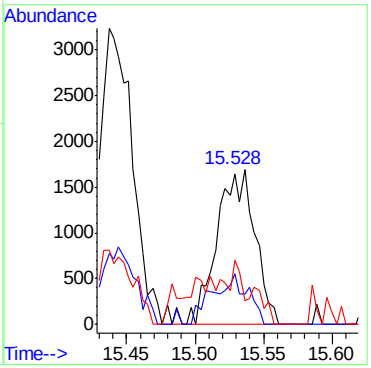


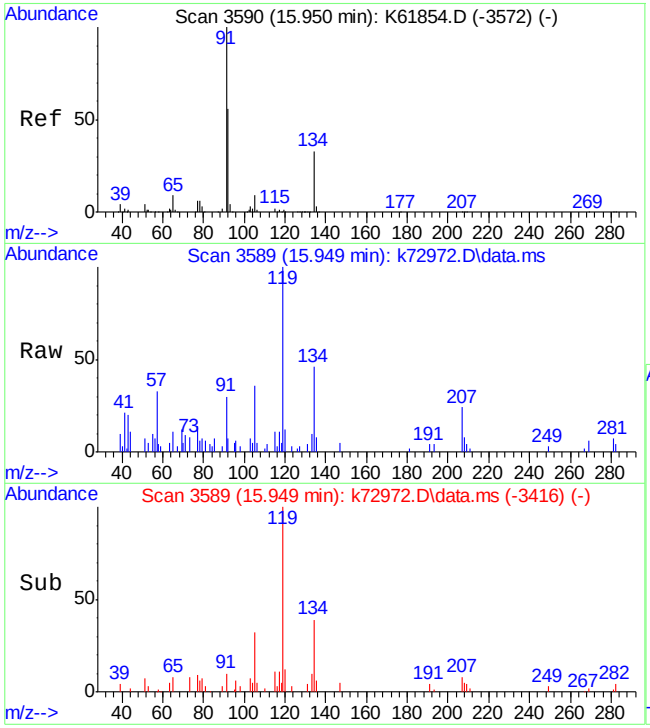


#99
p-isopropyltoluene
Concen: 0.24 ug/kg
RT: 15.528 min Scan# 3470
Delta R.T. -0.001 min
Lab File: k72972.D
Acq: 8 Aug 2013 7:25 pm

Tgt Ion:119 Resp: 3301

Ion	Ratio	Lower	Upper
119	100		
134	33.5	0.0	57.7
91	42.8	0.0	51.8

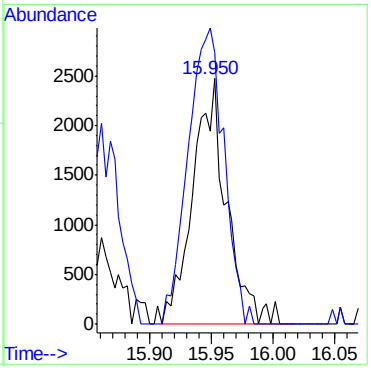




#102
n-butylbenzene
Concen: 0.38 ug/kg
RT: 15.950 min Scan# 3589
Delta R.T. -0.000 min
Lab File: k72972.D
Acq: 8 Aug 2013 7:25 pm

Tgt Ion: 91 Resp: 4705

Ion	Ratio	Lower	Upper
91	100		
134	153.1	0.4	60.4#



LSC Area Percent Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72972.D
Acq On : 8 Aug 2013 7:25 pm
Operator : GaryK
Sample : mc23228-2
Misc : ms29620tic,msk2375,9.666,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\K130807S.m
Title : SW-846 Method 8260

Signal : TIC: k72972.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.407	870	885	889	rBV3	25338	51351	2.41%	0.214%
2	7.388	1146	1163	1173	rBV5	10216	32849	1.54%	0.137%
3	7.988	1321	1333	1347	rBV4	24046	56080	2.63%	0.233%
4	8.464	1452	1468	1484	rBV2	271031	630341	29.60%	2.622%
5	8.835	1558	1573	1591	rBV	408983	898218	42.19%	3.736%
6	9.368	1709	1724	1740	rBV2	46402	116898	5.49%	0.486%
7	9.562	1767	1779	1792	rVB5	46802	105639	4.96%	0.439%
8	9.682	1799	1813	1829	rBV	507667	1049463	49.29%	4.365%
9	9.999	1891	1903	1920	rVB2	112475	231155	10.86%	0.961%
10	10.123	1926	1938	1951	rVB4	34885	71885	3.38%	0.299%
11	10.656	2070	2089	2095	rBV9	39707	121410	5.70%	0.505%
12	11.252	2234	2258	2265	rBV2	136099	322296	15.14%	1.340%
13	11.404	2287	2301	2310	rBV	145307	311561	14.63%	1.296%
14	11.478	2310	2322	2338	rVB	860867	1734628	81.47%	7.215%
15	11.707	2373	2387	2388	rBV	36002	50337	2.36%	0.209%
16	11.831	2408	2422	2436	rBV	310324	579507	27.22%	2.410%
17	12.191	2508	2524	2525	rBV5	14440	26130	1.23%	0.109%
18	12.272	2537	2547	2557	rVB6	27520	53597	2.52%	0.223%
19	12.364	2562	2573	2591	rBV4	38941	93427	4.39%	0.389%
20	12.484	2596	2607	2616	rBV2	66959	142175	6.68%	0.591%
21	12.664	2650	2658	2671	rVB4	20725	44318	2.08%	0.184%
22	12.854	2700	2712	2717	rBV3	25697	51674	2.43%	0.215%
23	12.939	2717	2736	2753	rVV2	794940	2129222	100.00%	8.856%
24	13.048	2753	2767	2782	rVB	260490	514532	24.17%	2.140%
25	13.323	2835	2845	2860	rVB3	31105	64292	3.02%	0.267%
26	13.443	2863	2879	2895	rBV	615088	1093286	51.35%	4.547%
27	13.546	2899	2908	2916	rBV4	28817	55471	2.61%	0.231%
28	13.701	2943	2952	2958	rBV5	11901	23102	1.08%	0.096%
29	13.765	2958	2970	2983	rVB4	55316	133743	6.28%	0.556%
30	13.860	2983	2997	3004	rBV3	83929	186093	8.74%	0.774%
31	13.909	3007	3011	3022	rVB5	54100	93643	4.40%	0.389%
32	14.001	3029	3037	3051	rVB3	109625	207256	9.73%	0.862%
33	14.103	3053	3066	3072	rBV3	63293	129971	6.10%	0.541%
34	14.160	3072	3082	3099	rVB2	683121	1288151	60.50%	5.358%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72972.D
Acq On : 8 Aug 2013 7:25 pm
Operator : GaryK
Sample : mc23228-2
Misc : ms29620tic,msk2375,9.666,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\K130807S.m
Title : SW-846 Method 8260

35	14.301	3112	3122	3126	rBV4	70680	134550	6.32%	0.560%
36	14.343	3126	3134	3137	rBV3	114552	176842	8.31%	0.736%
37	14.375	3138	3143	3146	rBV	81387	100442	4.72%	0.418%
38	14.516	3164	3183	3196	rBV	288732	599200	28.14%	2.492%
39	14.664	3217	3225	3230	rVV2	12747	21533	1.01%	0.090%
40	14.707	3232	3237	3249	rVB10	15916	27898	1.31%	0.116%
41	14.830	3261	3272	3274	rBV3	31447	45924	2.16%	0.191%
42	14.876	3274	3285	3297	rVV	872054	1537835	72.23%	6.396%
43	14.943	3297	3304	3313	rVV4	18045	36919	1.73%	0.154%
44	15.003	3313	3321	3328	rVV9	16790	30828	1.45%	0.128%
45	15.113	3343	3352	3360	rBV5	51053	101955	4.79%	0.424%
46	15.176	3360	3370	3376	rBV5	69542	137077	6.44%	0.570%
47	15.225	3377	3384	3395	rVB3	90655	180745	8.49%	0.752%
48	15.307	3396	3407	3408	rBV4	44639	66654	3.13%	0.277%
49	15.395	3421	3432	3442	rBV2	106610	200725	9.43%	0.835%
50	15.501	3442	3462	3474	rBV	763046	1505039	70.68%	6.260%
51	15.593	3481	3488	3495	rBV5	56997	95654	4.49%	0.398%
52	15.649	3495	3504	3510	rVV	227838	420156	19.73%	1.747%
53	15.691	3510	3516	3522	rVV2	222505	388021	18.22%	1.614%
54	15.734	3522	3528	3538	rVB2	254485	420940	19.77%	1.751%
55	15.794	3538	3545	3546	rBV3	34799	36439	1.71%	0.152%
56	15.832	3548	3556	3572	rVB2	260747	467902	21.98%	1.946%
57	15.945	3581	3588	3595	rBV3	21129	38219	1.79%	0.159%
58	16.157	3637	3648	3659	rBV	988164	1673254	78.59%	6.959%
59	16.482	3734	3740	3748	rBV8	35455	57118	2.68%	0.238%
60	16.619	3772	3779	3786	rBV3	40015	61181	2.87%	0.254%
61	16.708	3795	3804	3814	rVB3	72423	137262	6.45%	0.571%
62	16.782	3816	3825	3829	rBV6	40473	70309	3.30%	0.292%
63	16.828	3829	3838	3846	rVV4	173949	352979	16.58%	1.468%
64	16.884	3846	3854	3860	rVV3	165858	301272	14.15%	1.253%
65	16.926	3860	3866	3875	rVV2	168490	276154	12.97%	1.149%
66	16.979	3875	3881	3885	rVV7	25865	39100	1.84%	0.163%
67	17.025	3886	3894	3905	rVB2	158393	277813	13.05%	1.155%
68	17.092	3907	3913	3918	rBV9	13607	23710	1.11%	0.099%
69	17.315	3966	3976	3989	rBV2	548437	926933	43.53%	3.855%
70	17.452	4009	4015	4018	rBV7	21519	29910	1.40%	0.124%
71	17.975	4158	4163	4171	rBV4	37206	54422	2.56%	0.226%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72972.D
Acq On : 8 Aug 2013 7:25 pm
Operator : GaryK
Sample : mc23228-2
Misc : ms29620tic,msk2375,9.666,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\K130807S.m
Title : SW-846 Method 8260

72	18.024	4172	4177	4182	rBV2	20117	25469	1.20%	0.106%
73	18.116	4196	4203	4211	rBV4	30037	50478	2.37%	0.210%
74	18.398	4275	4283	4293	rBV3	119663	221029	10.38%	0.919%

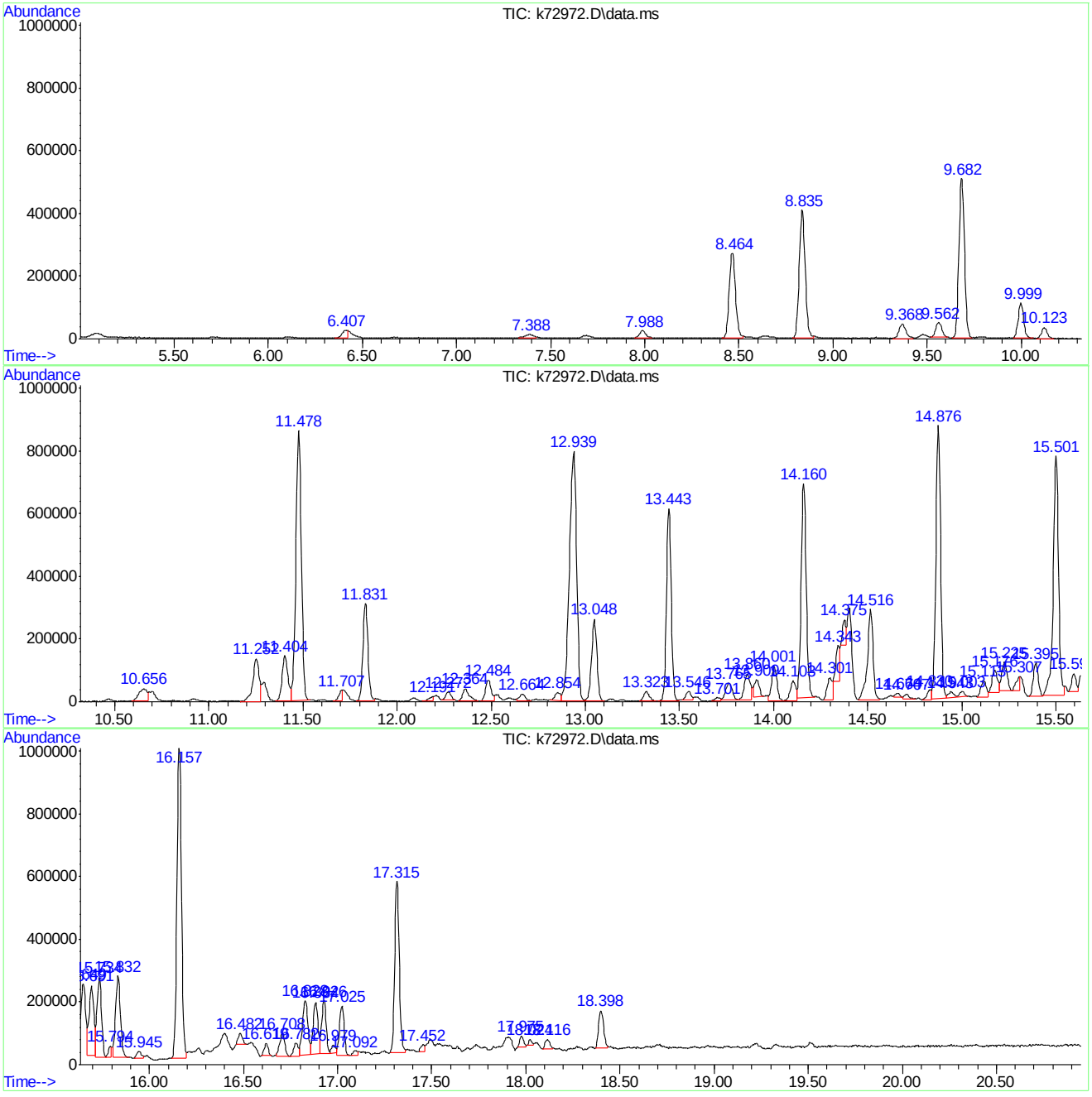
Sum of corrected areas: 24043591

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\130808\
Data File : k72972.D
Acq On : 8 Aug 2013 7:25 pm
Operator : GaryK
Sample : mc23228-2
Misc : ms29620tic,msk2375,9.666,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72972.D
Acq On : 8 Aug 2013 7:25 pm
Operator : GaryK
Sample : mc23228-2
Misc : ms29620tic,msk2375,9.666,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

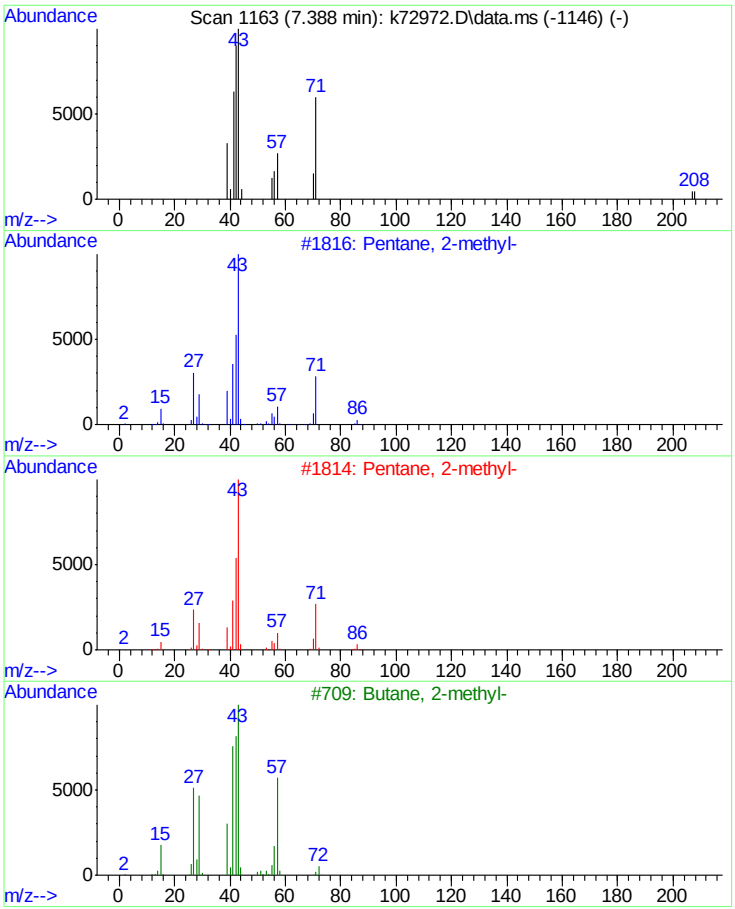
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

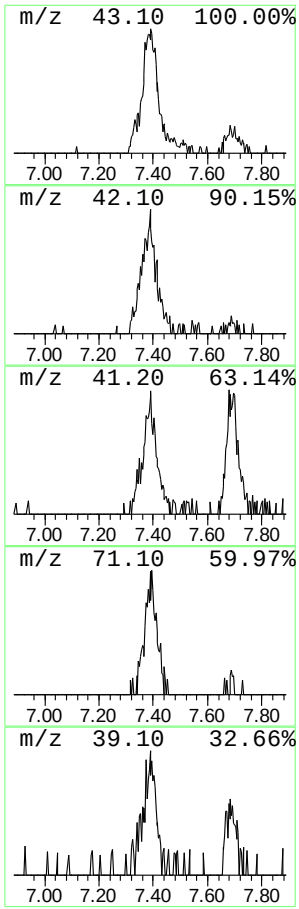
****

Peak Number 1 Pentane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.388	319.85 ug/kg	32849	Tert butyl alcohol-d9	6.426

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
3	Butane, 2-methyl-	72	C5H12	000078-78-4	33
4	Oxalic acid, octyl propyl ester	244	C13H24O4	1000309-26-1	23
5	Azetidine, 1-methyl-	71	C4H9N	004923-79-9	9





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72972.D
Acq On : 8 Aug 2013 7:25 pm
Operator : GaryK
Sample : mc23228-2
Misc : ms29620tic,msk2375,9.666,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

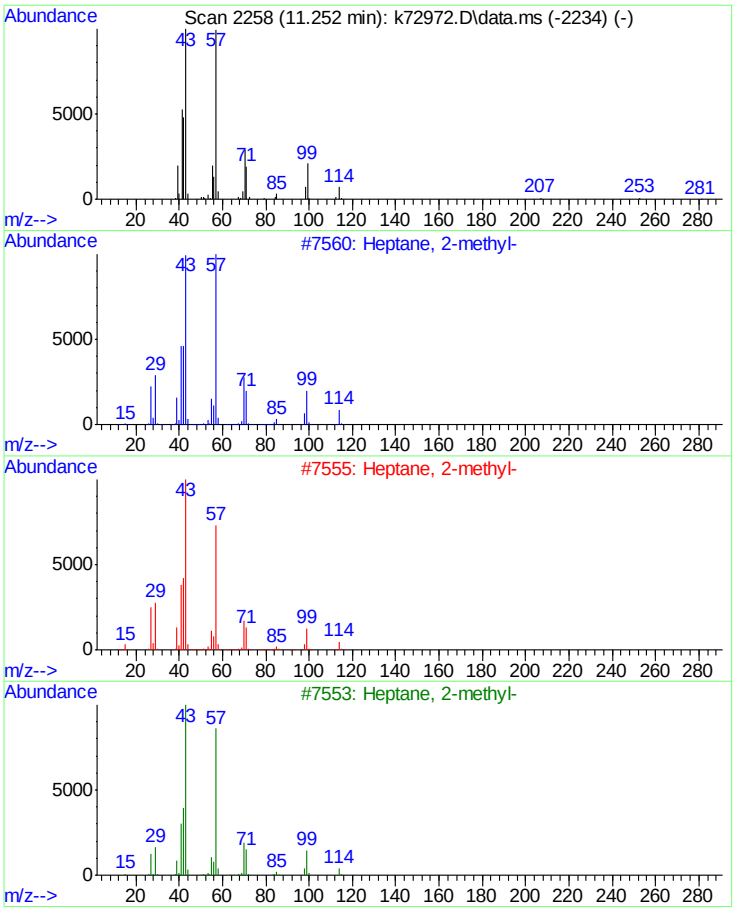
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

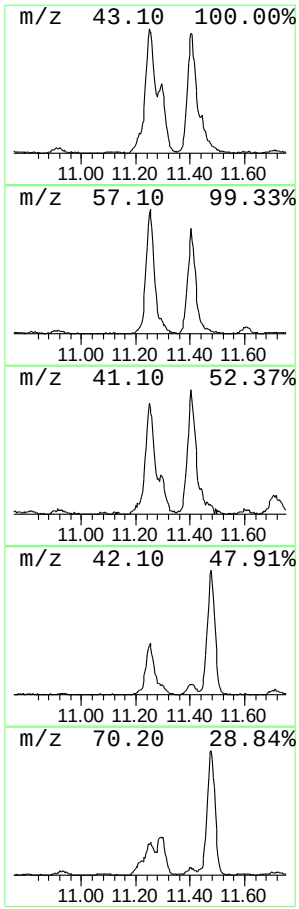
****

Peak Number 2 Heptane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.252	15.36 ug/kg	322296	1,4-difluorobenzene	9.685

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	90
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72972.D
Acq On : 8 Aug 2013 7:25 pm
Operator : GaryK
Sample : mc23228-2
Misc : ms29620tic,msk2375,9.666,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

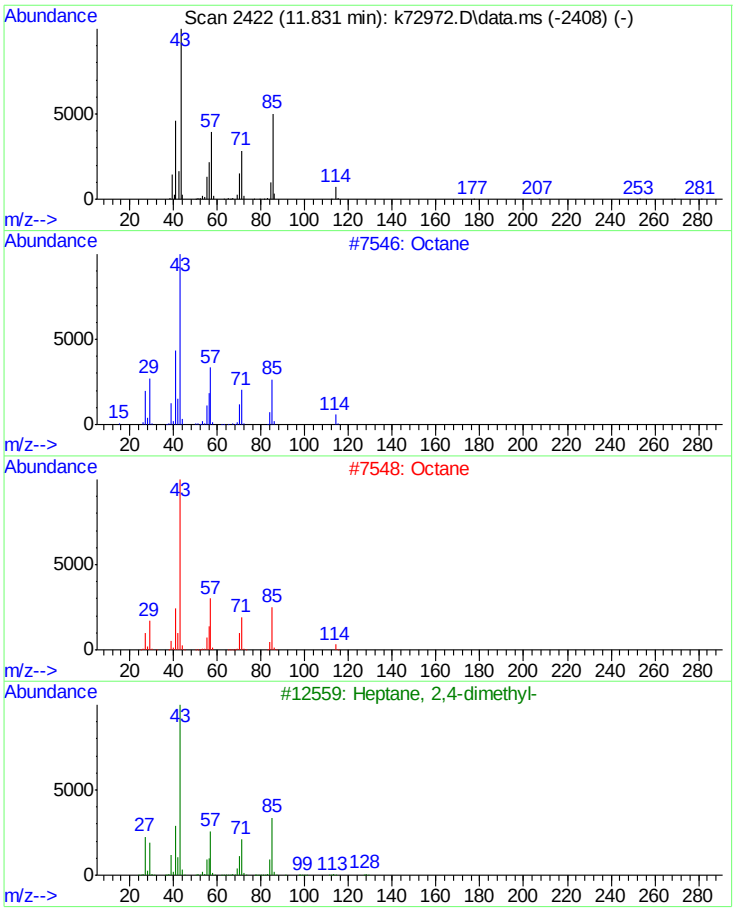
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

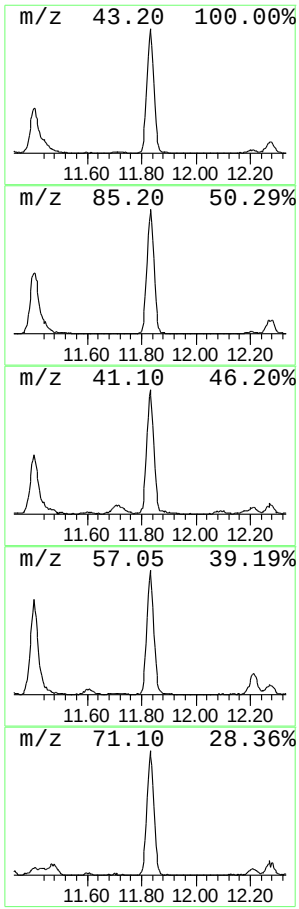
****

Peak Number 3 Octane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.831	13.61 ug/kg	579507	chlorobenzene-d5	12.943

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	94
2	Octane	114	C8H18	000111-65-9	81
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72972.D
Acq On : 8 Aug 2013 7:25 pm
Operator : GaryK
Sample : mc23228-2
Misc : ms29620tic,msk2375,9.666,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

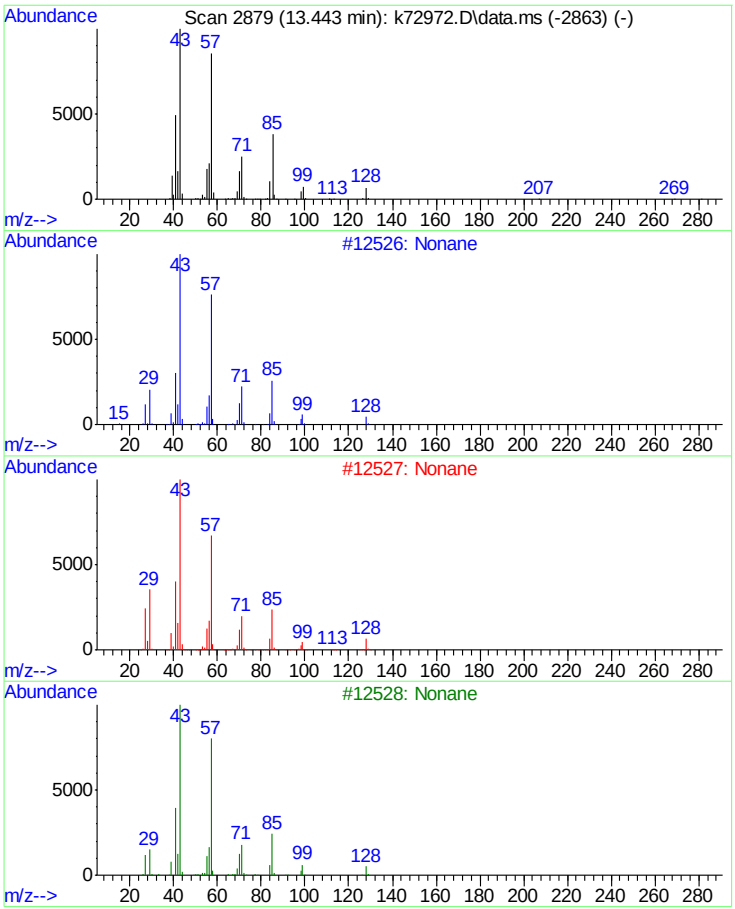
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

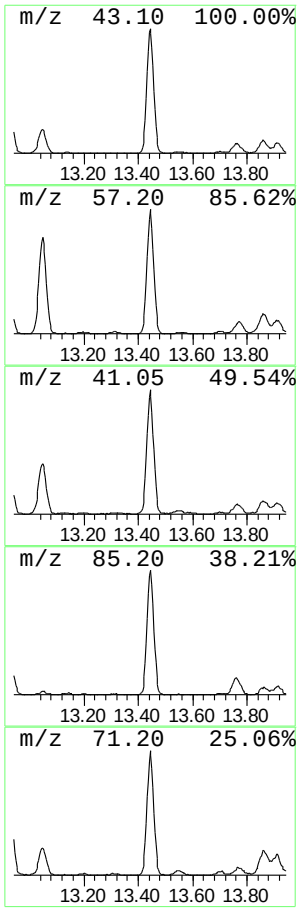
****

Peak Number 4 Nonane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.443	25.67 ug/kg	1093290	chlorobenzene-d5	12.943

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	97
2	Nonane	128	C9H20	000111-84-2	93
3	Nonane	128	C9H20	000111-84-2	87
4	Octane	114	C8H18	000111-65-9	64
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72972.D
Acq On : 8 Aug 2013 7:25 pm
Operator : GaryK
Sample : mc23228-2
Misc : ms29620tic,msk2375,9.666,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

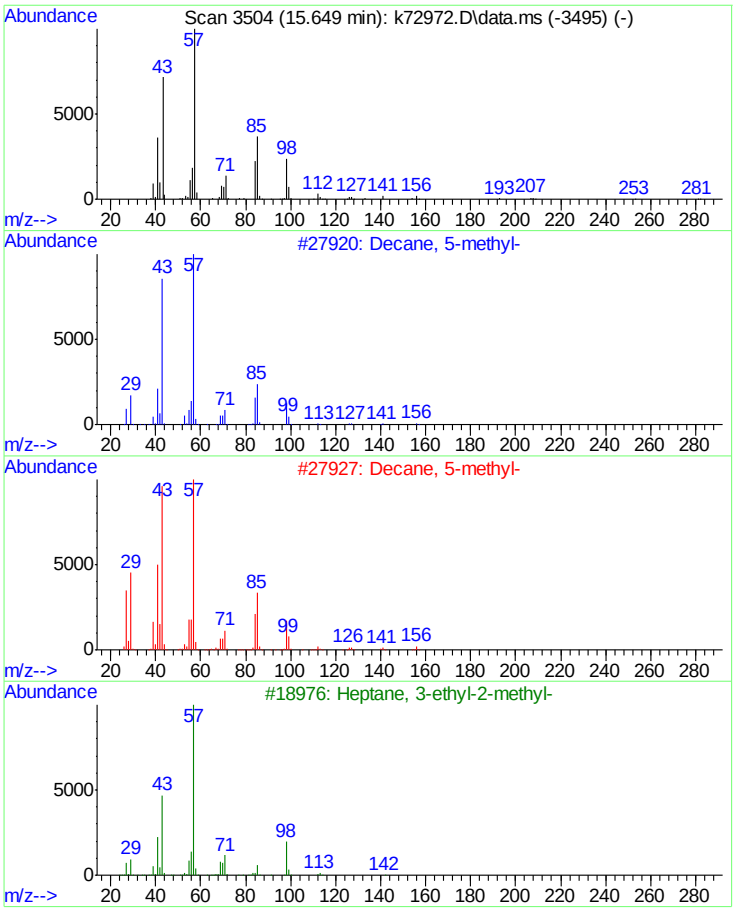
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

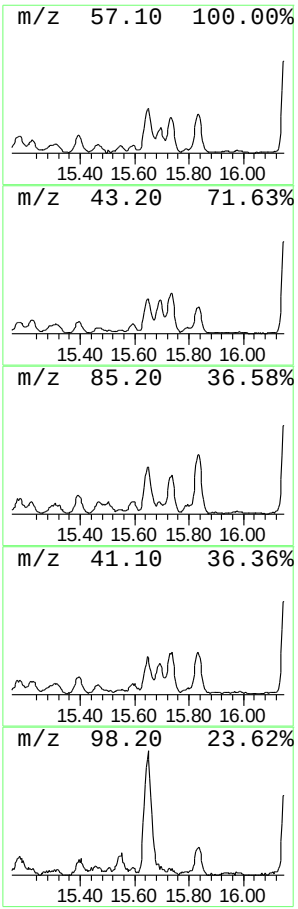
****

Peak Number 5 Decane, 5-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.649	13.96 ug/kg	420156	1,4-dichlorobenzene-d4	15.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-	156	C11H24	013151-35-4	70
2	Decane, 5-methyl-	156	C11H24	013151-35-4	58
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
4	Heptane, 4-ethyl-	128	C9H20	002216-32-2	47
5	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	47





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72972.D
Acq On : 8 Aug 2013 7:25 pm
Operator : GaryK
Sample : mc23228-2
Misc : ms29620tic,msk2375,9.666,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

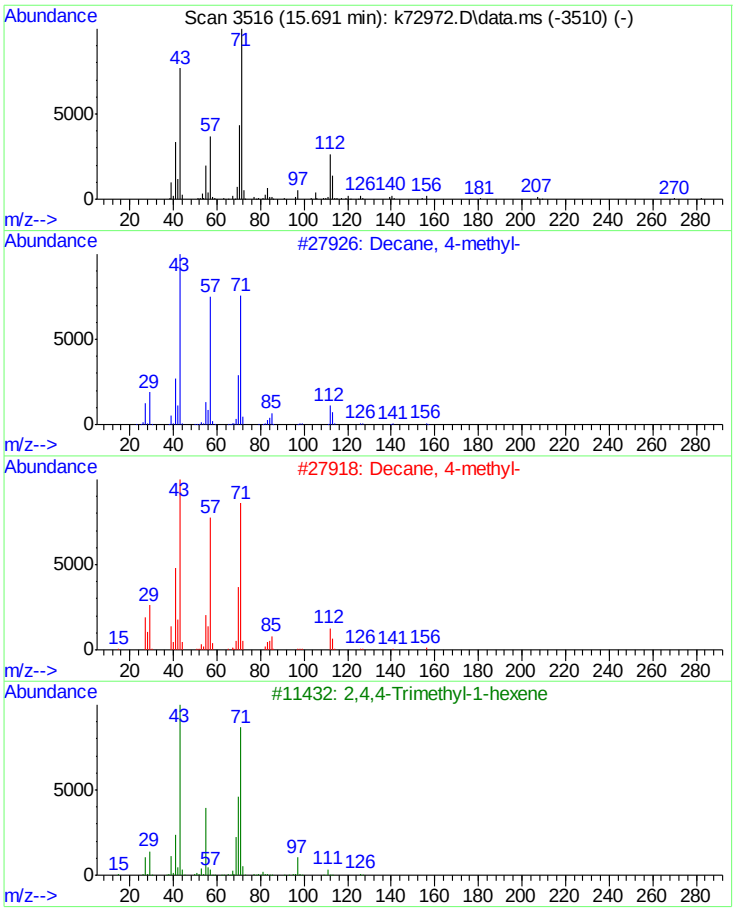
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

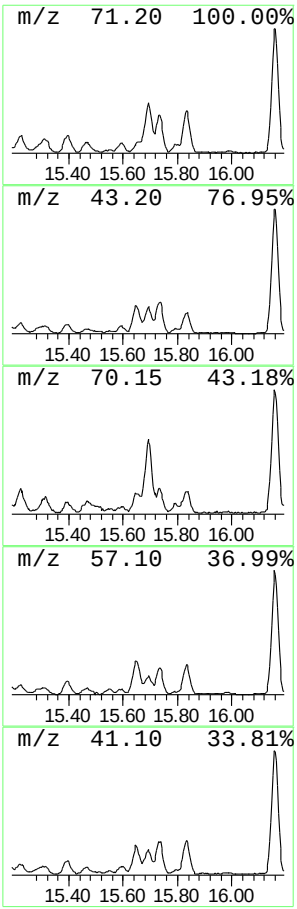
****

Peak Number 6 Decane, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.691	12.89 ug/kg	388021	1,4-dichlorobenzene-d4	15.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	72
2	Decane, 4-methyl-	156	C11H24	002847-72-5	59
3	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	45
4	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	45
5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	45





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72972.D
Acq On : 8 Aug 2013 7:25 pm
Operator : GaryK
Sample : mc23228-2
Misc : ms29620tic,msk2375,9.666,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

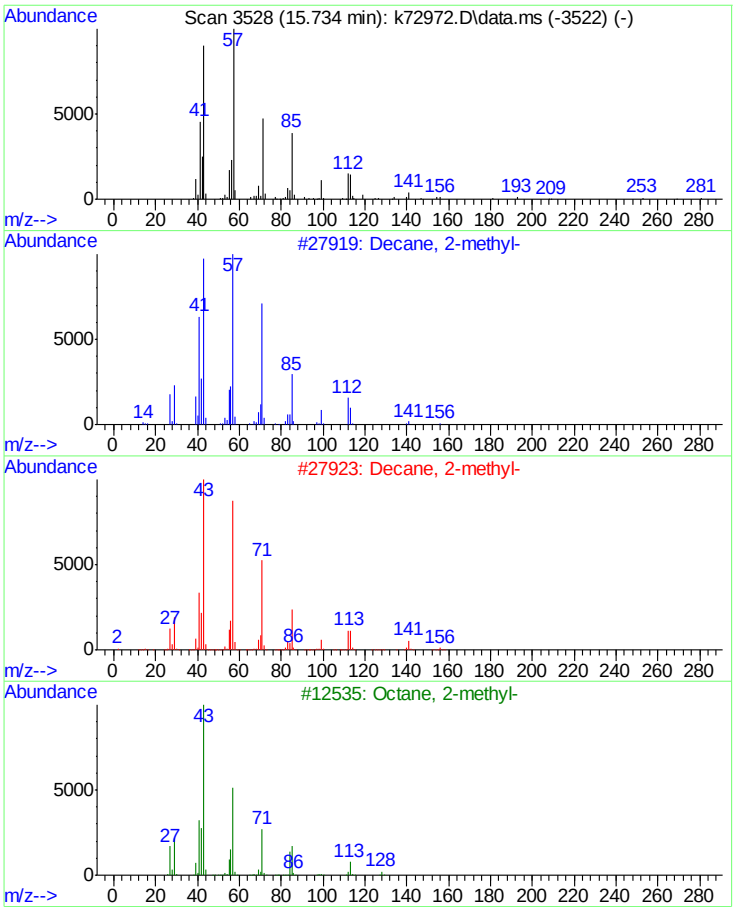
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

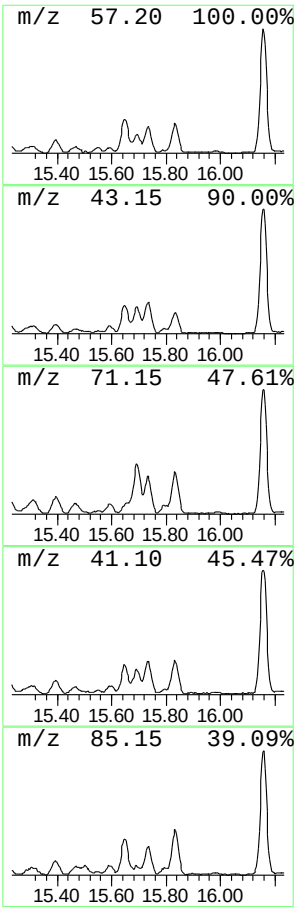
****

Peak Number 7 Decane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.734	13.98 ug/kg	420940	1,4-dichlorobenzene-d4	15.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	81
2	Decane, 2-methyl-	156	C11H24	006975-98-0	76
3	Octane, 2-methyl-	128	C9H20	003221-61-2	72
4	Decane, 2-methyl-	156	C11H24	006975-98-0	68
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	64





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72972.D
Acq On : 8 Aug 2013 7:25 pm
Operator : GaryK
Sample : mc23228-2
Misc : ms29620tic,msk2375,9.666,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

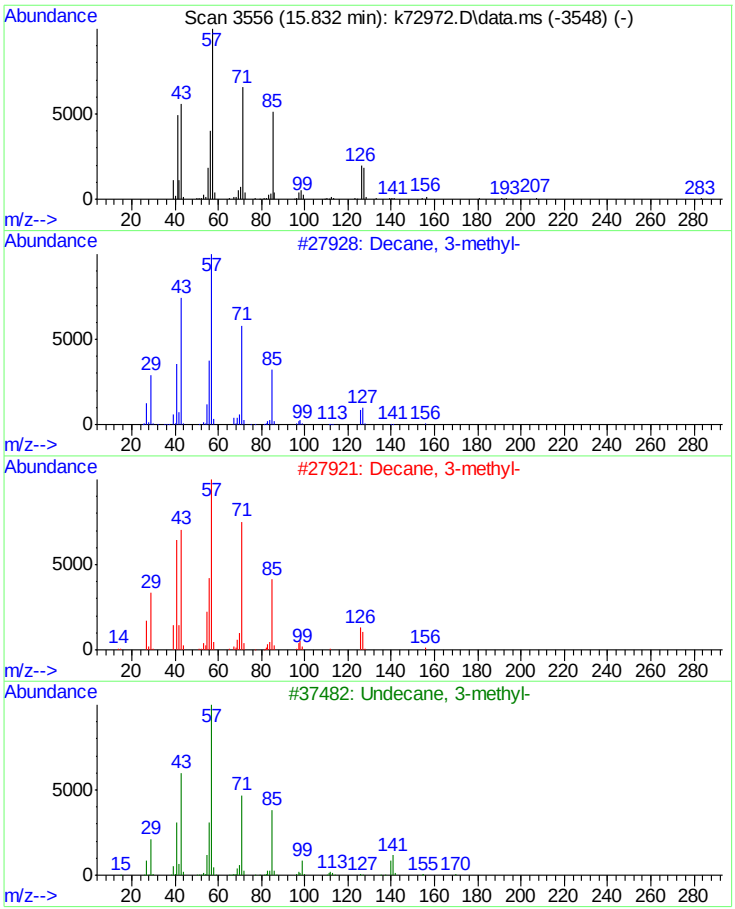
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

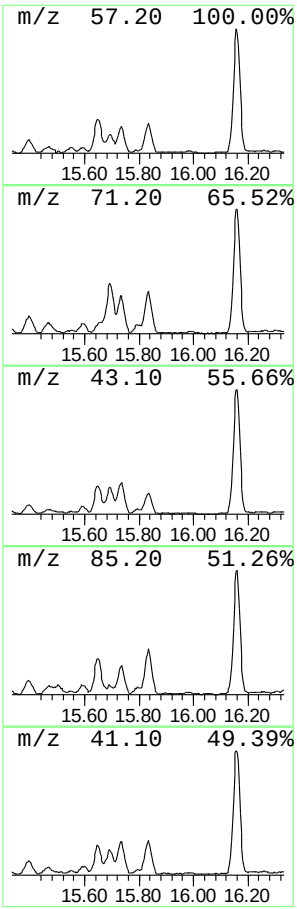
****

Peak Number 8 Decane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.833	15.54 ug/kg	467902	1,4-dichlorobenzene-d4	15.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	94
2	Decane, 3-methyl-	156	C11H24	013151-34-3	76
3	Undecane, 3-methyl-	170	C12H26	001002-43-3	64
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	53
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	50





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72972.D
Acq On : 8 Aug 2013 7:25 pm
Operator : GaryK
Sample : mc23228-2
Misc : ms29620tic,msk2375,9.666,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

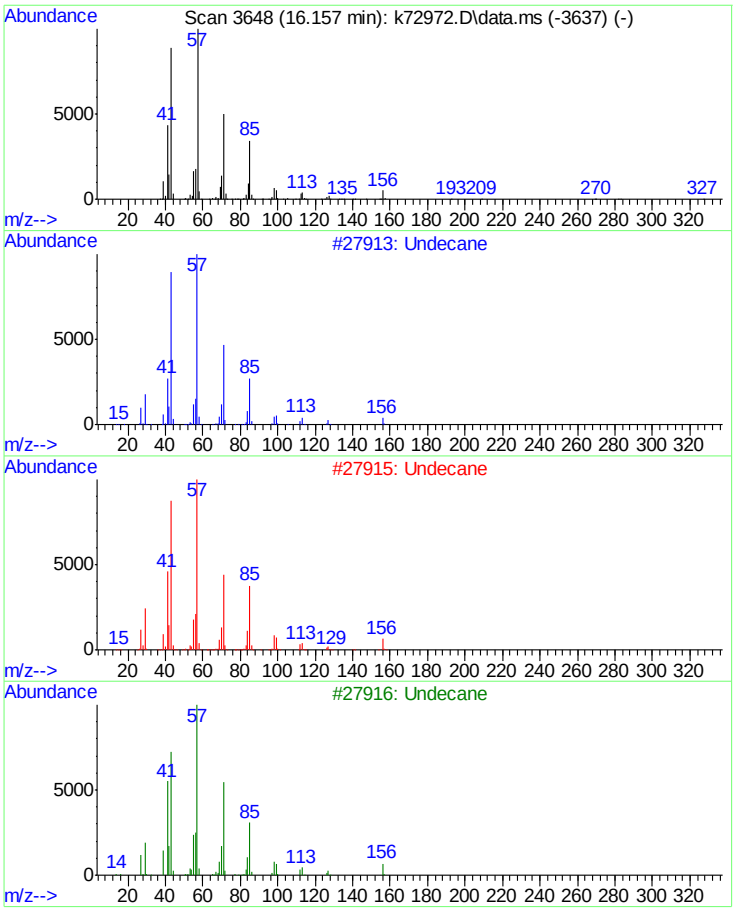
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

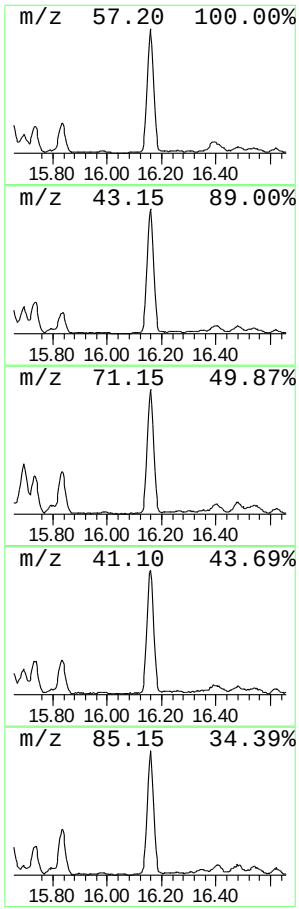
****

Peak Number 9 Undecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.157	55.59 ug/kg	1673250	1,4-dichlorobenzene-d4	15.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	95
2	Undecane	156	C11H24	001120-21-4	94
3	Undecane	156	C11H24	001120-21-4	90
4	Undecane	156	C11H24	001120-21-4	90
5	Hexadecane	226	C16H34	000544-76-3	90





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72972.D
Acq On : 8 Aug 2013 7:25 pm
Operator : GaryK
Sample : mc23228-2
Misc : ms29620tic,msk2375,9.666,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

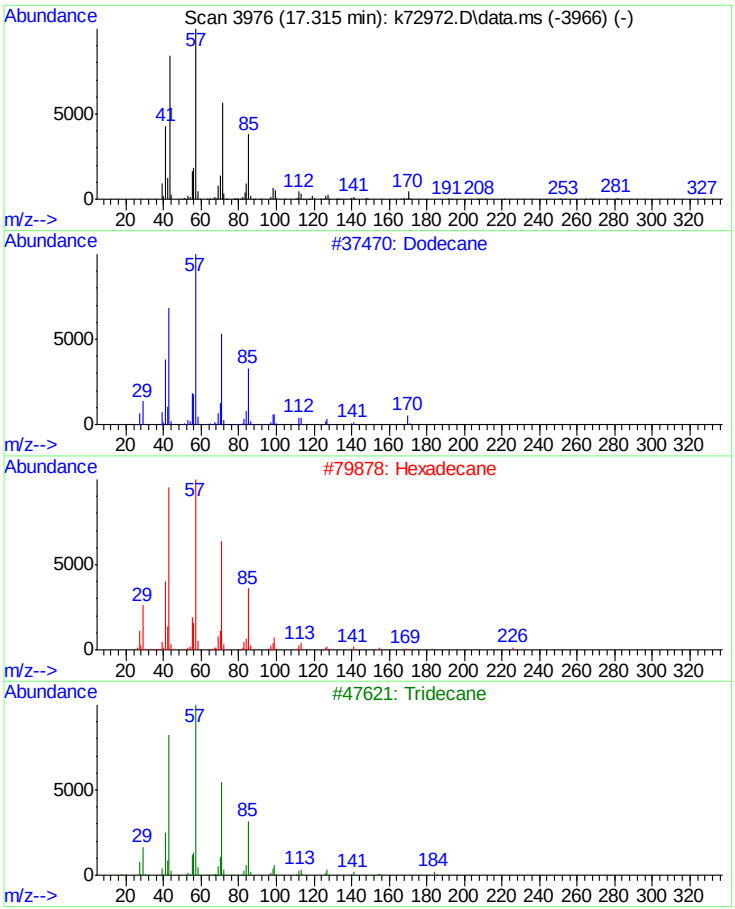
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

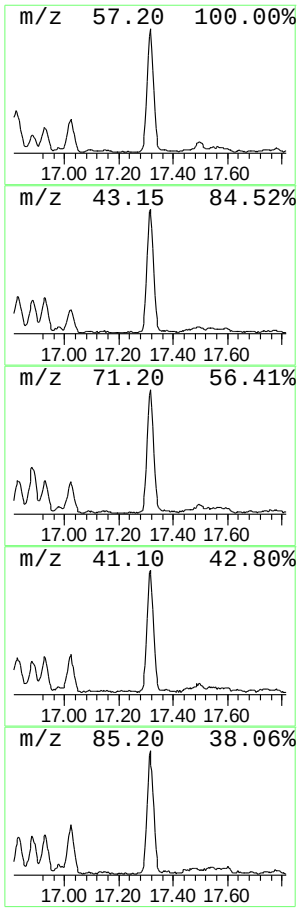
****

Peak Number 10 Dodecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.315	30.79 ug/kg	926933	1,4-dichlorobenzene-d4	15.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	96
2	Hexadecane	226	C16H34	000544-76-3	86
3	Tridecane	184	C13H28	000629-50-5	78
4	Dodecane	170	C12H26	000112-40-3	76
5	Tetradecane	198	C14H30	000629-59-4	72





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\130808\
Data File : k72972.D
Acq On : 8 Aug 2013 7:25 pm
Operator : GaryK
Sample : mc23228-2
Misc : ms29620tic,msk2375,9.666,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pentane, 2-methyl-	7.388	319.8	ug/kg	32849	1	6.426	51351	500.0
Heptane, 2-methyl-	11.252	15.4	ug/kg	322296	3	9.685	1049460	50.0
Octane	11.831	13.6	ug/kg	579507	4	12.943	2129220	50.0
Nonane	13.443	25.7	ug/kg	1093290	4	12.943	2129220	50.0
Decane, 5-methyl-	15.649	14.0	ug/kg	420156	5	15.501	1505040	50.0
Decane, 4-methyl-	15.691	12.9	ug/kg	388021	5	15.501	1505040	50.0
Decane, 2-methyl-	15.734	14.0	ug/kg	420940	5	15.501	1505040	50.0
Decane, 3-methyl-	15.833	15.5	ug/kg	467902	5	15.501	1505040	50.0
Undecane	16.157	55.6	ug/kg	1673250	5	15.501	1505040	50.0
Dodecane	17.315	30.8	ug/kg	926933	5	15.501	1505040	50.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72975.D
Acq On : 8 Aug 2013 8:47 pm
Operator : GaryK
Sample : mc23228-3
Misc : ms29620,msk2375,10.177,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 09 08:25:06 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

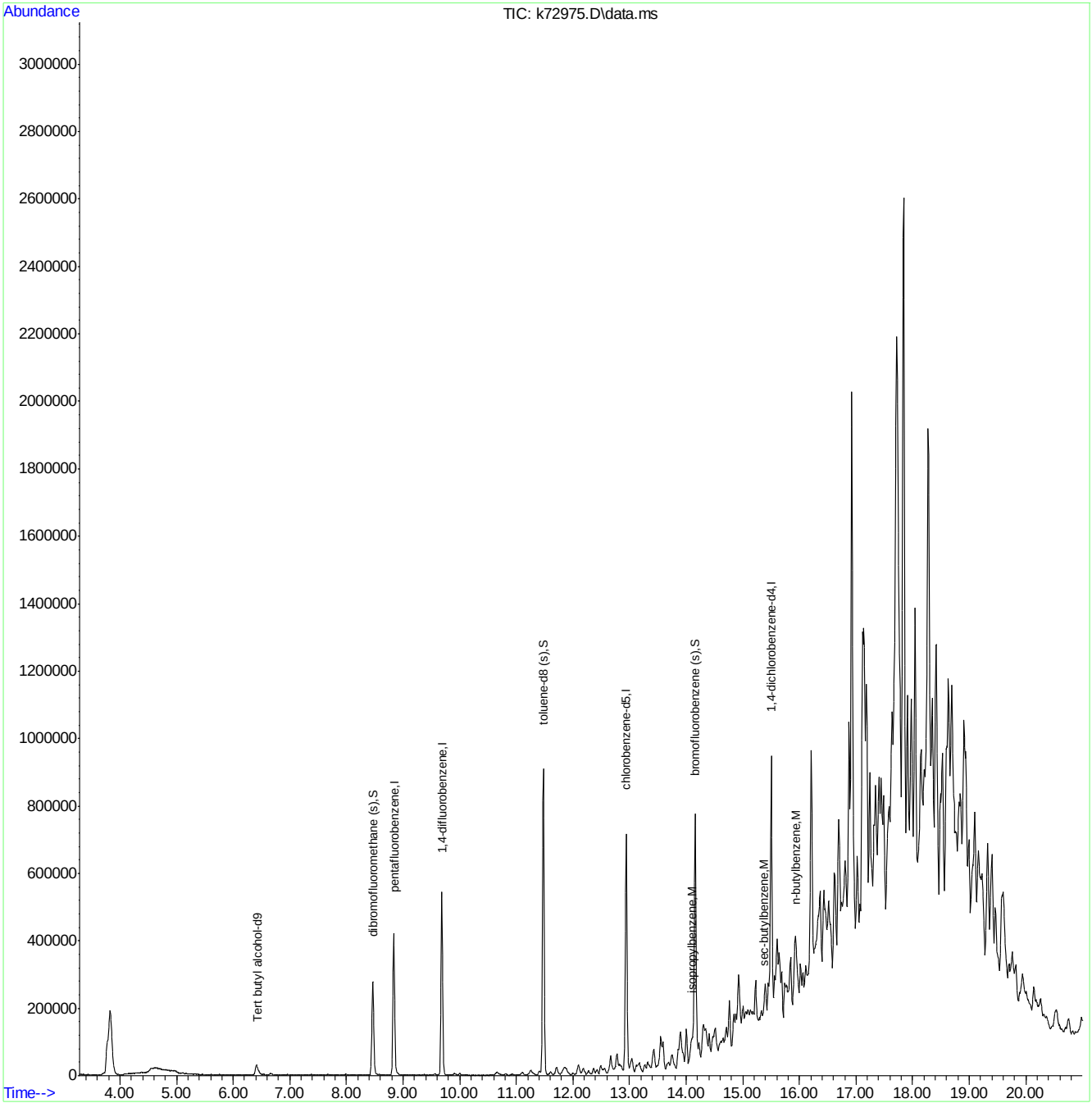
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.425	65	59523	500.00	ug/kg	0.00
4) pentafluorobenzene	8.839	168	382199	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.685	114	561568	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.943	82	225844	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	255242	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.467	113	208376	52.67	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.34%			
63) toluene-d8 (s)	11.478	98	735360	52.23	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.46%			
87) bromofluorobenzene (s)	14.158	95	272381	55.83	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.66%			
Target Compounds						Qvalue
86) isopropylbenzene	14.110	105	5886	0.34	ug/kg	98
97) sec-butylbenzene	15.362	105	29059	1.66	ug/kg	97
102) n-butylbenzene	15.947	91	50861	4.18	ug/kg	49

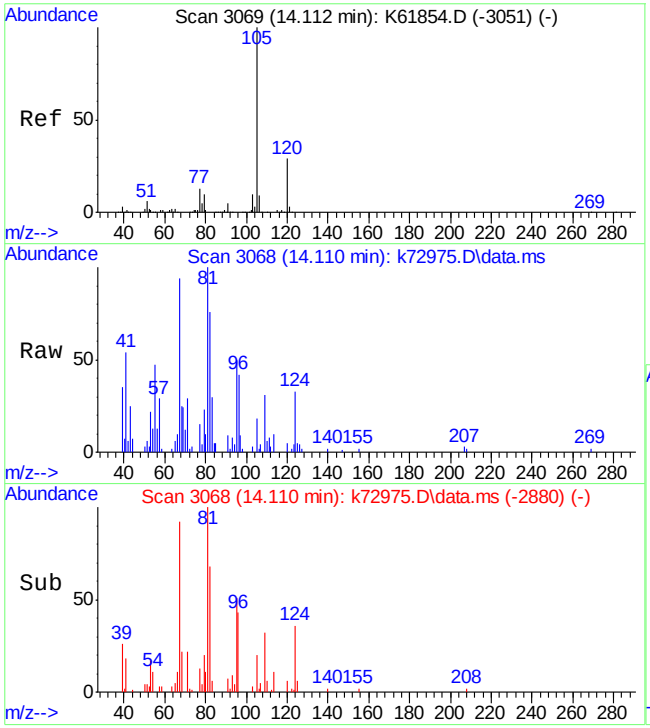
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72975.D
Acq On : 8 Aug 2013 8:47 pm
Operator : GaryK
Sample : mc23228-3
Misc : ms29620,msk2375,10.177,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 09 08:25:06 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

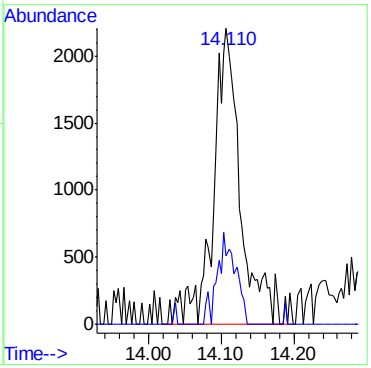


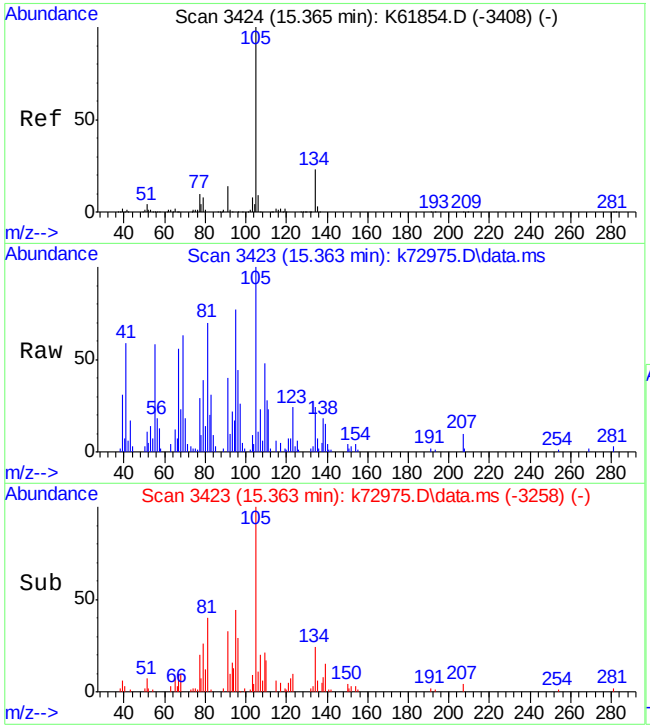


#86
isopropylbenzene
Concen: 0.34 ug/kg
RT: 14.110 min Scan# 3068
Delta R.T. 0.002 min
Lab File: k72975.D
Acq: 8 Aug 2013 8:47 pm

Tgt Ion:105 Resp: 5886

Ion	Ratio	Lower	Upper
105	100		
120	27.9	0.0	58.8

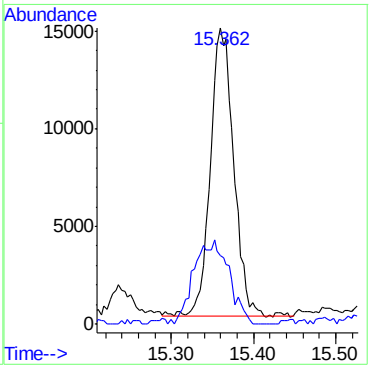


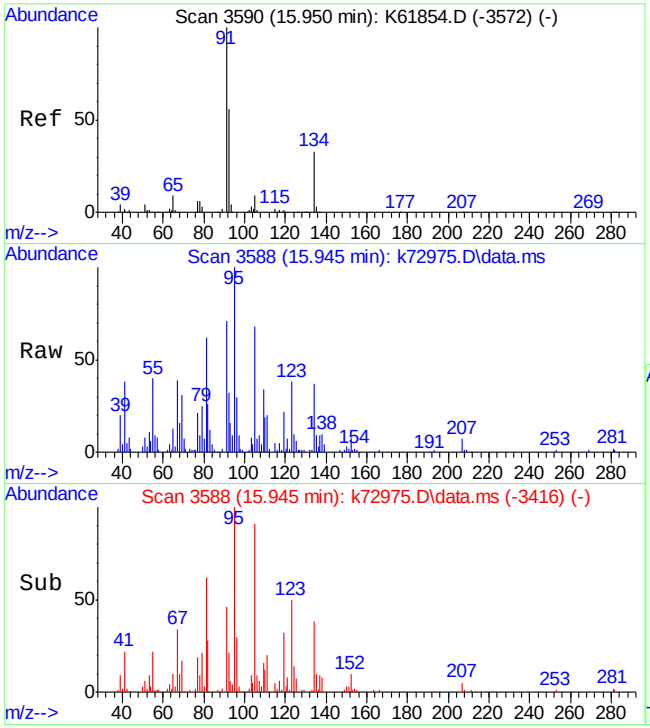


#97
sec-butylbenzene
Concen: 1.66 ug/kg
RT: 15.362 min Scan# 3423
Delta R.T. 0.000 min
Lab File: k72975.D
Acq: 8 Aug 2013 8:47 pm

Tgt Ion:105 Resp: 29059

Ion	Ratio	Lower	Upper
105	100		
134	23.0	0.0	51.7

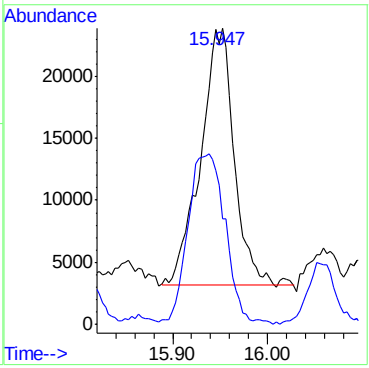




#102
n-butylbenzene
Concen: 4.18 ug/kg
RT: 15.947 min Scan# 3588
Delta R.T. -0.003 min
Lab File: k72975.D
Acq: 8 Aug 2013 8:47 pm

Tgt Ion: 91 Resp: 50861

Ion	Ratio	Lower	Upper
91	100		
134	58.2	0.4	60.4



7.1.5

7

LSC Area Percent Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72975.D
Acq On : 8 Aug 2013 8:47 pm
Operator : GaryK
Sample : mc23228-3
Misc : ms29620tic,msk2375,10.177,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\K130807S.m
Title : SW-846 Method 8260

Signal : TIC: k72975.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.414	871	887	902	rBV2	29838	98936	2.38%	0.397%
2	8.464	1453	1468	1486	rBV2	277428	646251	15.52%	2.593%
3	8.835	1555	1573	1602	rBV	419518	941662	22.62%	3.779%
4	9.682	1797	1813	1834	rBV	542530	1101187	26.45%	4.419%
5	11.478	2309	2322	2339	rVB	906272	1786882	42.92%	7.170%
6	11.711	2372	2388	2401	rBV5	20744	59770	1.44%	0.240%
7	12.095	2482	2497	2508	rBV7	29017	74030	1.78%	0.297%
8	12.491	2599	2609	2615	rBV5	24221	48968	1.18%	0.196%
9	12.667	2645	2659	2670	rBV5	47598	115847	2.78%	0.465%
10	12.780	2680	2691	2700	rBV3	44386	91822	2.21%	0.368%
11	12.942	2722	2737	2752	rBV2	700606	1430751	34.37%	5.741%
12	13.038	2754	2764	2766	rBV6	28236	47859	1.15%	0.192%
13	13.264	2819	2828	2834	rBV9	21774	44494	1.07%	0.179%
14	13.426	2862	2874	2886	rVB9	53975	134940	3.24%	0.541%
15	13.549	2900	2909	2915	rBV4	75960	145594	3.50%	0.584%
16	13.754	2958	2967	2977	rVB9	30688	67162	1.61%	0.269%
17	13.860	2987	2997	2998	rBV2	57389	75509	1.81%	0.303%
18	13.899	3002	3008	3019	rVB7	71611	168276	4.04%	0.675%
19	14.005	3029	3038	3048	rVB5	104695	201621	4.84%	0.809%
20	14.160	3072	3082	3096	rVB	697732	1370636	32.92%	5.500%
21	14.308	3113	3124	3129	rBV9	82146	197724	4.75%	0.793%
22	14.407	3148	3152	3159	rVB6	51296	65177	1.57%	0.262%
23	14.470	3163	3170	3172	rBV7	36426	49104	1.18%	0.197%
24	14.763	3247	3253	3264	rVB3	136599	245940	5.91%	0.987%
25	14.841	3270	3275	3280	rBV7	60584	94815	2.28%	0.380%
26	14.929	3294	3300	3312	rVB5	145370	293304	7.05%	1.177%
27	15.501	3454	3462	3473	rVB	716516	1261256	30.30%	5.061%
28	15.744	3524	3531	3535	rBV7	89594	161580	3.88%	0.648%
29	16.210	3655	3663	3675	rVB2	601024	1172102	28.15%	4.703%
30	16.620	3773	3779	3790	rVB8	217395	478086	11.48%	1.918%
31	16.690	3793	3799	3811	rVV6	309109	702886	16.88%	2.820%
32	16.877	3846	3852	3857	rBV3	469839	767436	18.43%	3.079%
33	16.923	3858	3865	3884	rVB4	1591909	3440158	82.63%	13.804%
34	17.117	3912	3920	3923	rBV	761818	1252807	30.09%	5.027%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72975.D
Acq On : 8 Aug 2013 8:47 pm
Operator : GaryK
Sample : mc23228-3
Misc : ms29620tic,msk2375,10.177,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\K130807S.m
Title : SW-846 Method 8260

35	17.241	3950	3955	3970	rVB4	337324	628898	15.11%	2.524%
36	17.841	4114	4125	4136	rVB4	1884466	4163163	100.00%	16.705%
37	18.045	4177	4183	4194	rVB2	755658	1294423	31.09%	5.194%

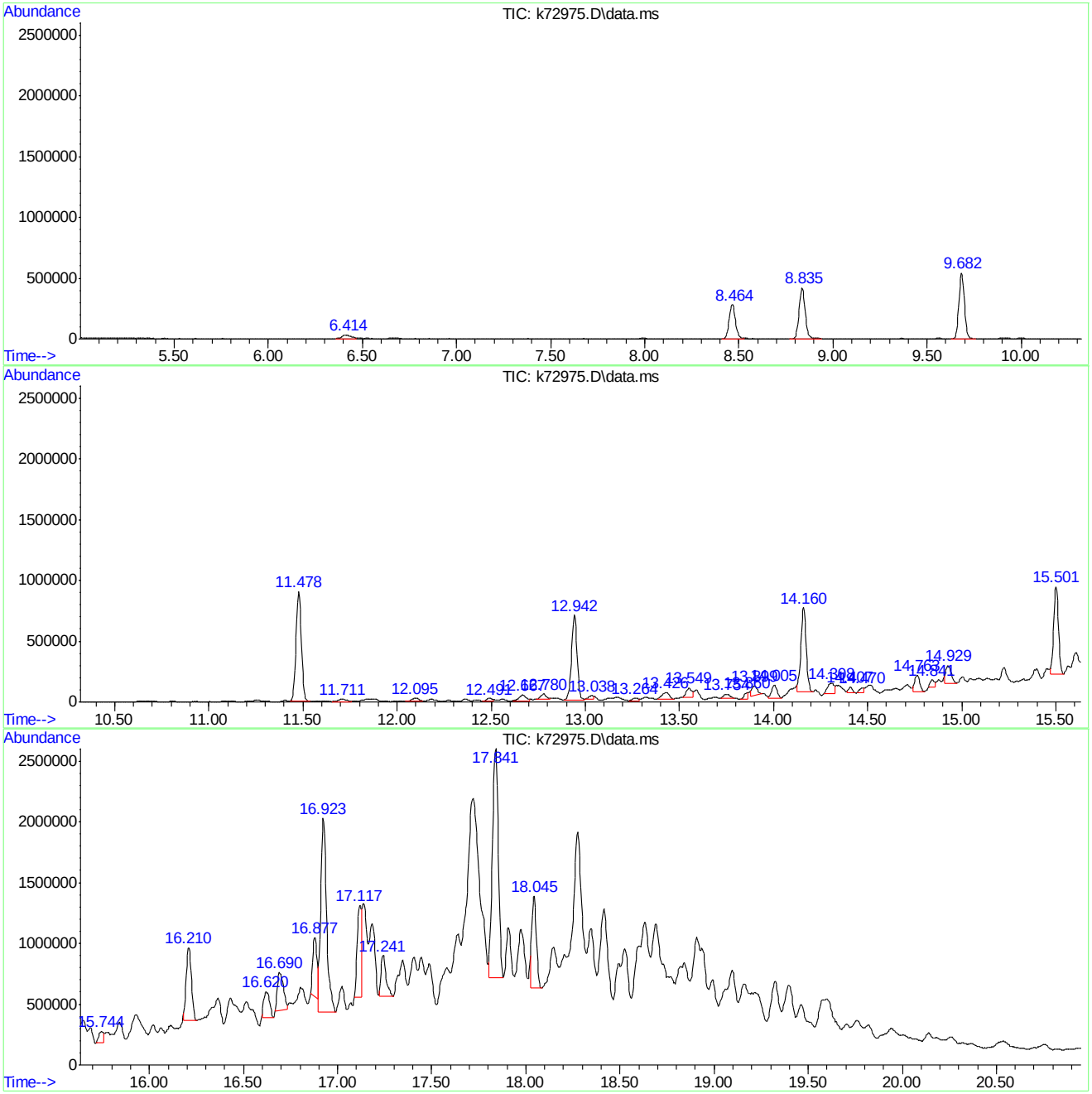
Sum of corrected areas: 24921056

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\130808\
Data File : k72975.D
Acq On : 8 Aug 2013 8:47 pm
Operator : GaryK
Sample : mc23228-3
Misc : ms29620tic,msk2375,10.177,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72975.D
Acq On : 8 Aug 2013 8:47 pm
Operator : GaryK
Sample : mc23228-3
Misc : ms29620tic,msk2375,10.177,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

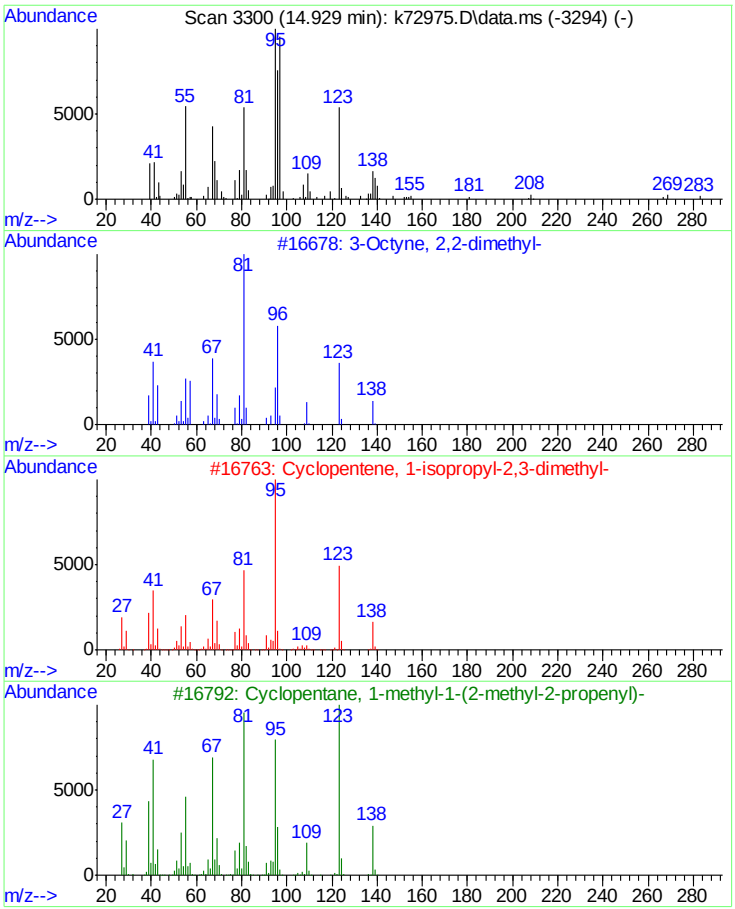
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

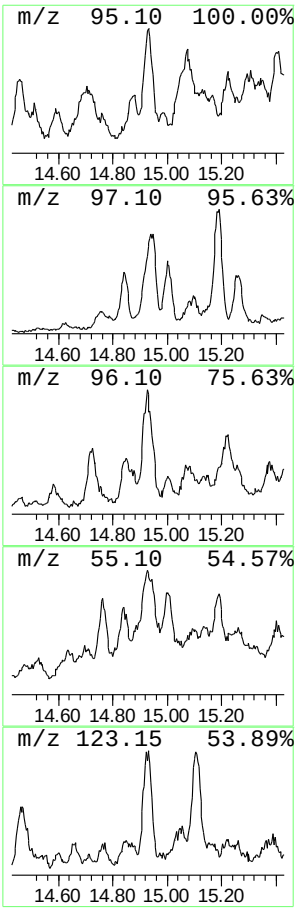
****

Peak Number 1 3-Octyne, 2,2-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.929	11.63 ug/kg	293304	1,4-dichlorobenzene-d4	15.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octyne, 2,2-dimethyl-	138	C10H18	019482-57-6	49
2	Cyclopentene, 1-isopropyl-2,3-di...	138	C10H18	007712-73-4	46
3	Cyclopentane, 1-methyl-1-(2-meth...	138	C10H18	074764-47-9	42
4	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	30
5	Bicyclo[2.2.1]heptane, 2-ethyl-	124	C9H16	002146-41-0	30





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72975.D
Acq On : 8 Aug 2013 8:47 pm
Operator : GaryK
Sample : mc23228-3
Misc : ms29620tic,msk2375,10.177,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

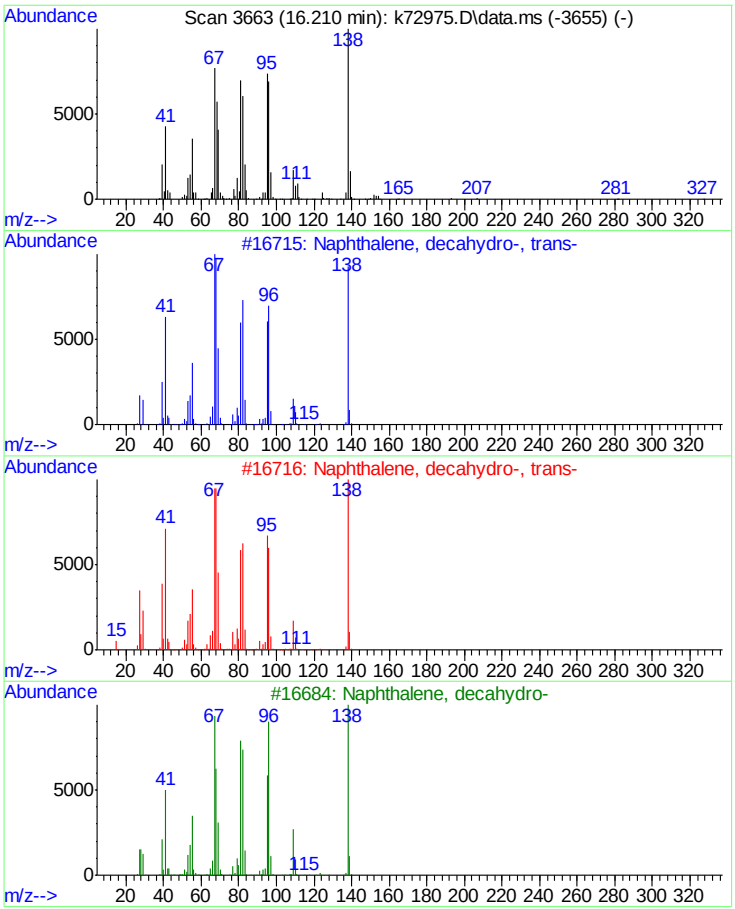
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

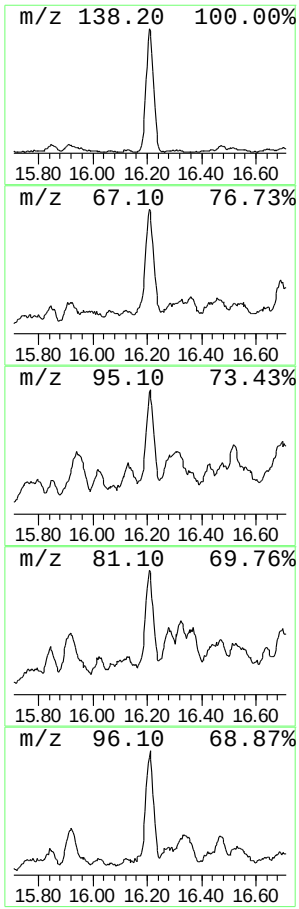
****

Peak Number 2 Naphthalene, decahydro-, tr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.210	46.47 ug/kg	1172100	1,4-dichlorobenzene-d4	15.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	97
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
3	Naphthalene, decahydro-	138	C10H18	000091-17-8	90
4	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	90
5	Naphthalene, decahydro-	138	C10H18	000091-17-8	81





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72975.D
Acq On : 8 Aug 2013 8:47 pm
Operator : GaryK
Sample : mc23228-3
Misc : ms29620tic,msk2375,10.177,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

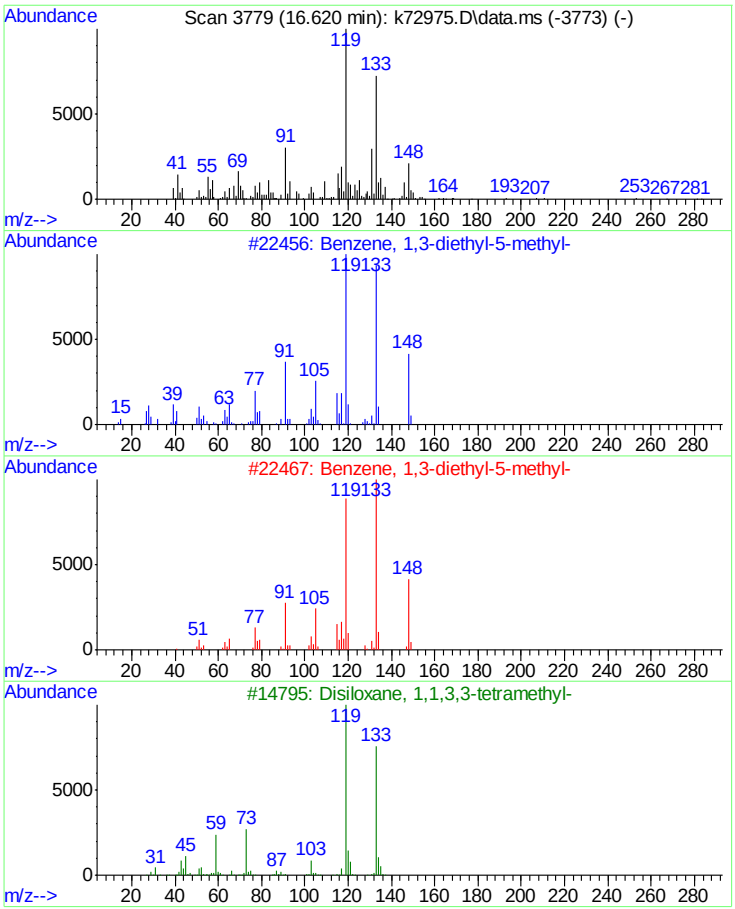
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

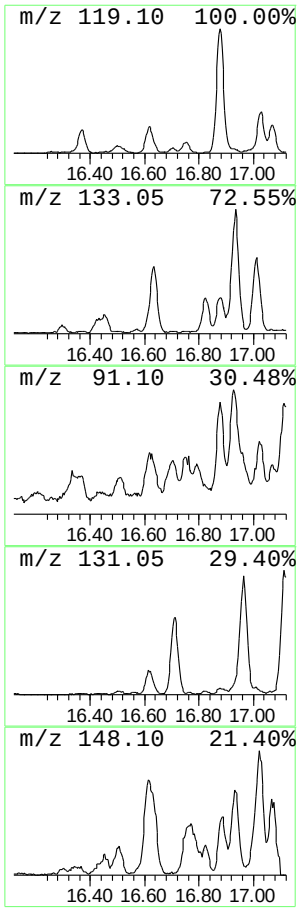
****

Peak Number 3 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.619	18.95 ug/kg	478086	1,4-dichlorobenzene-d4	15.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	81
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	55
3	Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	52
4	Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	52
5	Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	52





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72975.D
Acq On : 8 Aug 2013 8:47 pm
Operator : GaryK
Sample : mc23228-3
Misc : ms29620tic,msk2375,10.177,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

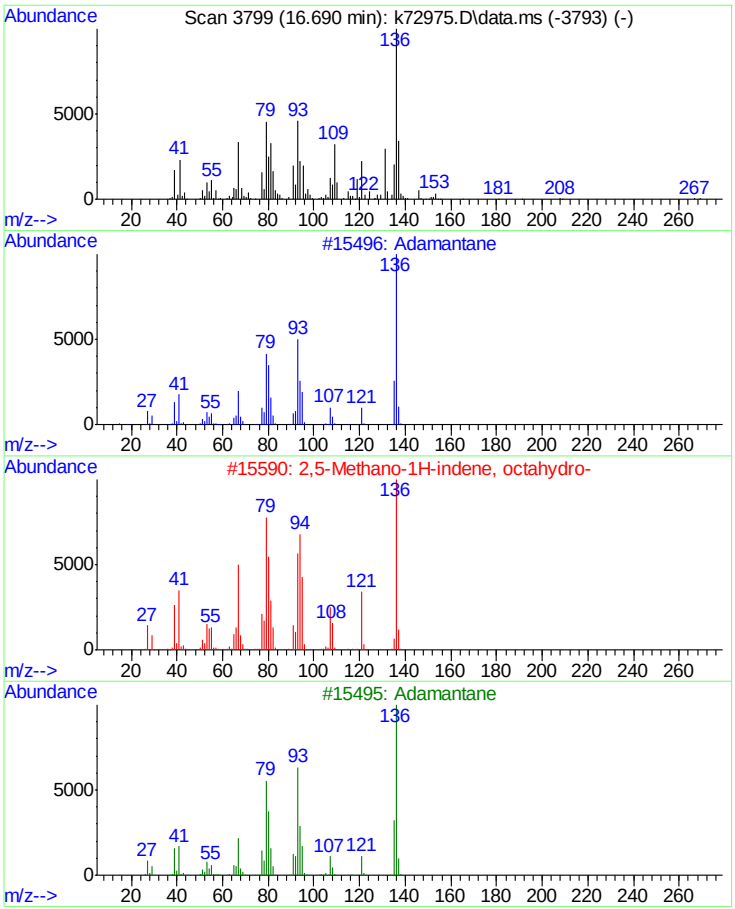
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

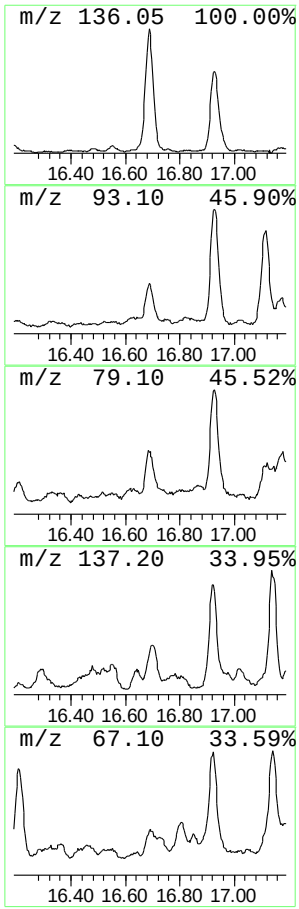
****

Peak Number 4 Adamantane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.690	27.86 ug/kg	702886	1,4-dichlorobenzene-d4	15.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	76
2	2,5-Methano-1H-indene, octahydro-	136	C10H16	019026-94-9	58
3	Adamantane	136	C10H16	000281-23-2	50
4	Adamantane	136	C10H16	000281-23-2	38
5	2.alpha., 4a.beta., 8a.alpha.-De...	154	C10H18O	005779-35-1	38





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72975.D
Acq On : 8 Aug 2013 8:47 pm
Operator : GaryK
Sample : mc23228-3
Misc : ms29620tic,msk2375,10.177,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

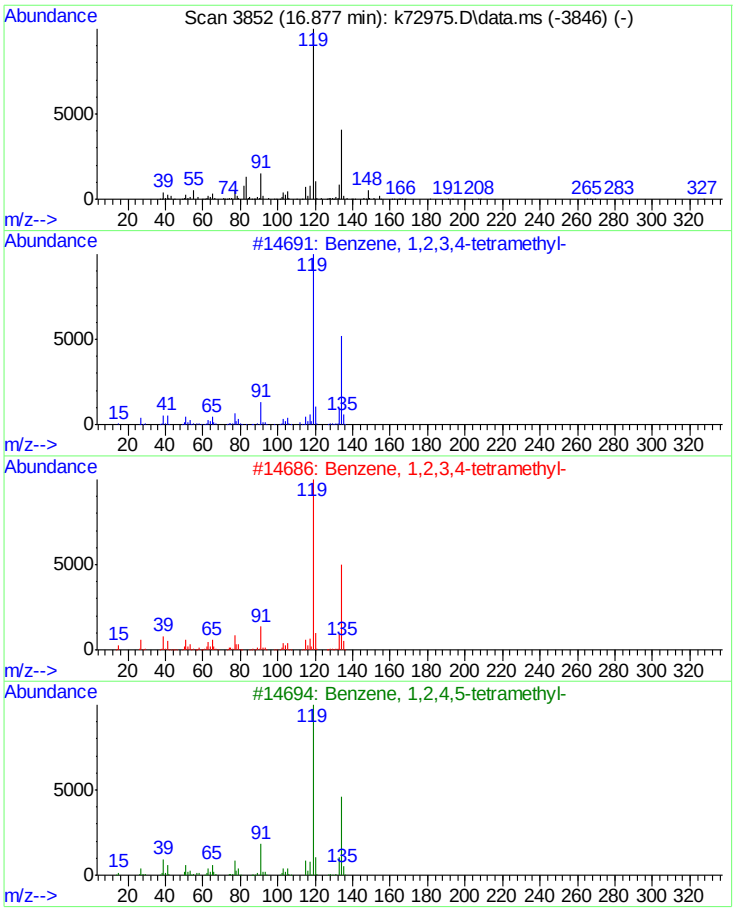
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

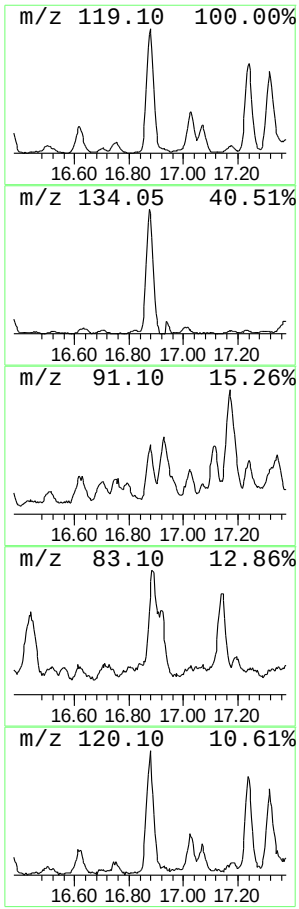
****

Peak Number 5 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.877	30.42 ug/kg	767436	1,4-dichlorobenzene-d4	15.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72975.D
Acq On : 8 Aug 2013 8:47 pm
Operator : GaryK
Sample : mc23228-3
Misc : ms29620tic,msk2375,10.177,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

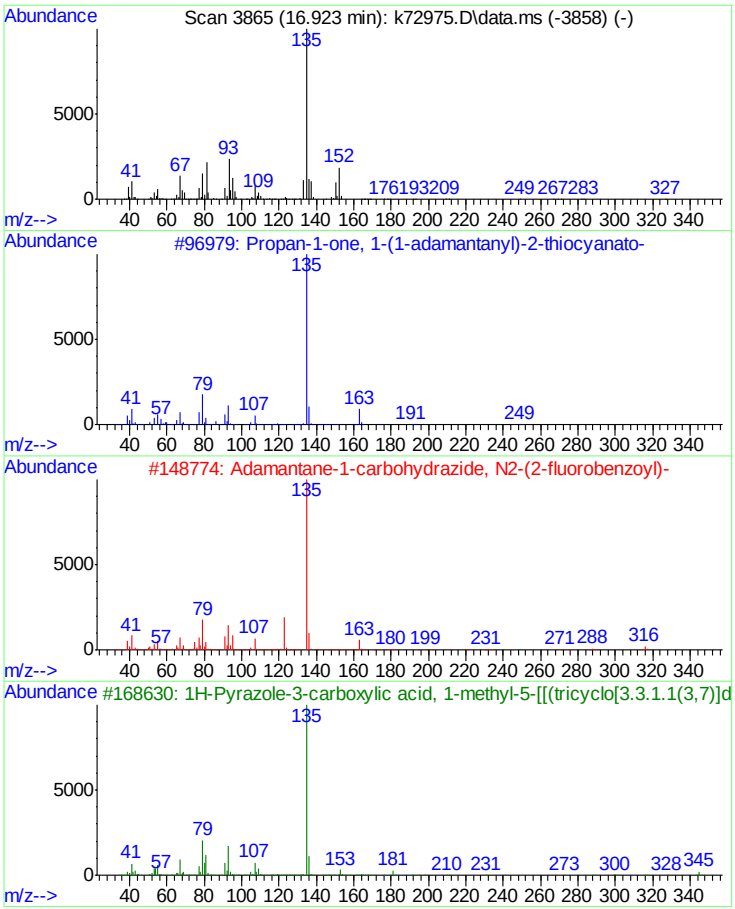
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

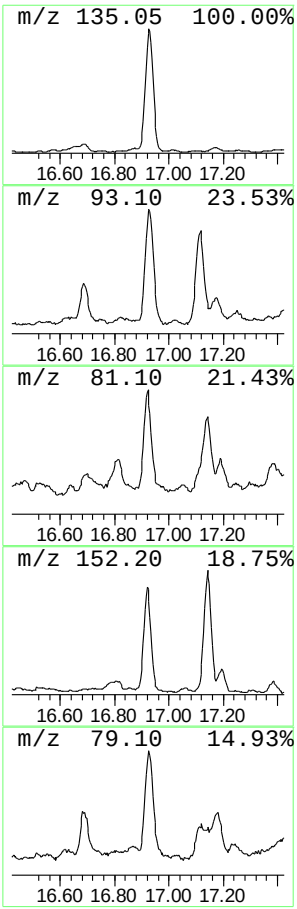
****

Peak Number 6 Propan-1-one, 1-(1-adamanta... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.923	136.38 ug/kg	3440160	1,4-dichlorobenzene-d4	15.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propan-1-one, 1-(1-adamantanyl)-...	249	C14H19NOS	313231-18-4	53
2	Adamantane-1-carbohydrazide, N2-...	316	C18H21FN2O2	332037-11-3	52
3	1H-Pyrazole-3-carboxylic acid, 1...	345	C19H27N3O3	1000351-30-4	50
4	1-Adamantanecarboxylic acid, 3,5...	292	C17H18F2O2	1000293-75-1	50
5	Silane, trimethylphenyl-	150	C9H14Si	000768-32-1	50





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72975.D
Acq On : 8 Aug 2013 8:47 pm
Operator : GaryK
Sample : mc23228-3
Misc : ms29620tic,msk2375,10.177,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

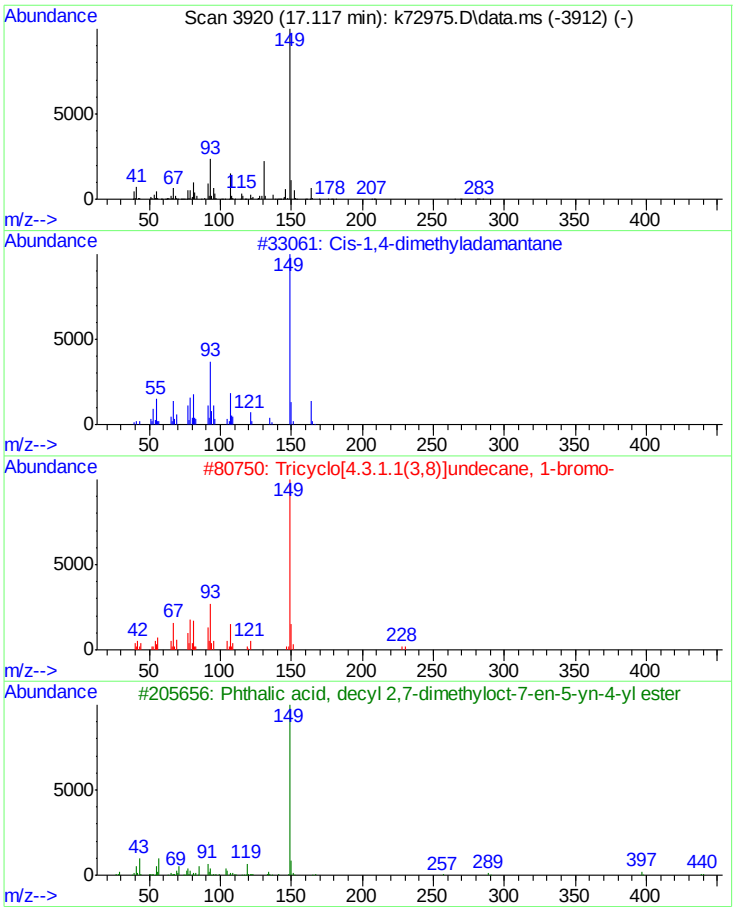
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

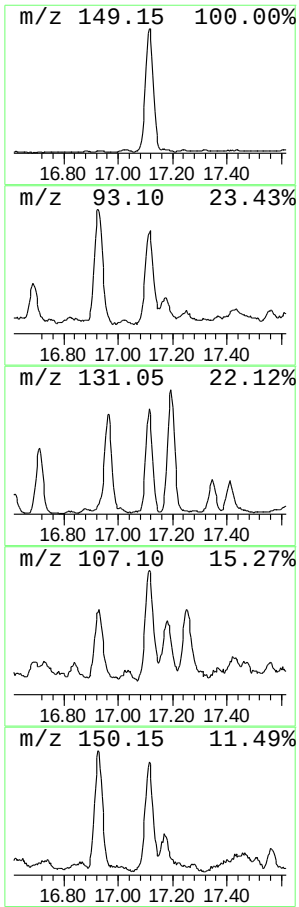
****

Peak Number 7 Cis-1,4-dimethyladamantane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.117	49.67 ug/kg	1252810	1,4-dichlorobenzene-d4	15.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cis-1,4-dimethyladamantane	164	C12H20	024145-89-9	45
2	Tricyclo[4.3.1.1(3,8)]undecane, ...	228	C11H17Br	021898-96-4	42
3	Phthalic acid, decyl 2,7-dimethy...	440	C28H40O4	1000315-49-5	38
4	1,4-Dimethyladamantane, [1.alpha...	164	C12H20	024145-88-8	38
5	Phenol, 2-methyl-4-(1,1,3,3-tetr...	220	C15H24O	002219-84-3	37





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72975.D
Acq On : 8 Aug 2013 8:47 pm
Operator : GaryK
Sample : mc23228-3
Misc : ms29620tic,msk2375,10.177,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

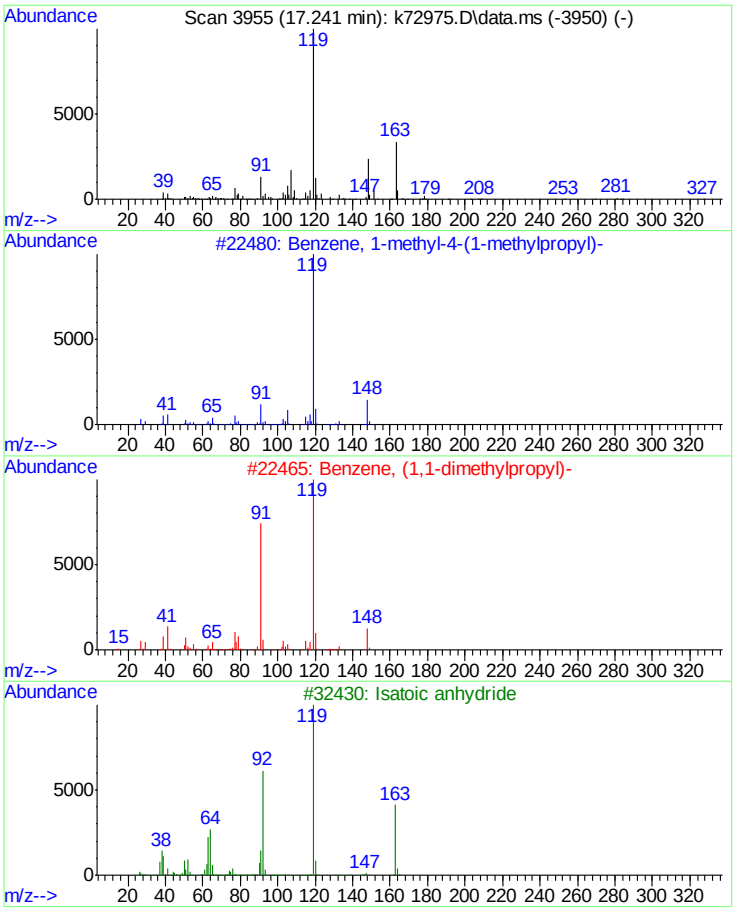
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

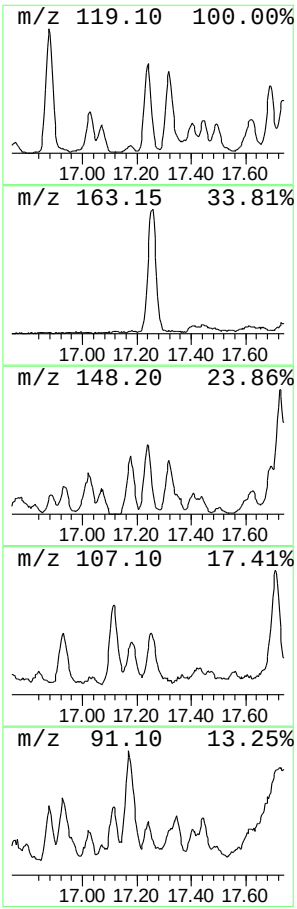
****

Peak Number 8 Benzene, 1-methyl-4-(1-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.241	24.93 ug/kg	628898	1,4-dichlorobenzene-d4	15.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	70
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	62
3	Isatoic anhydride	163	C8H5NO3	000118-48-9	53
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
5	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	50





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72975.D
Acq On : 8 Aug 2013 8:47 pm
Operator : GaryK
Sample : mc23228-3
Misc : ms29620tic,msk2375,10.177,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

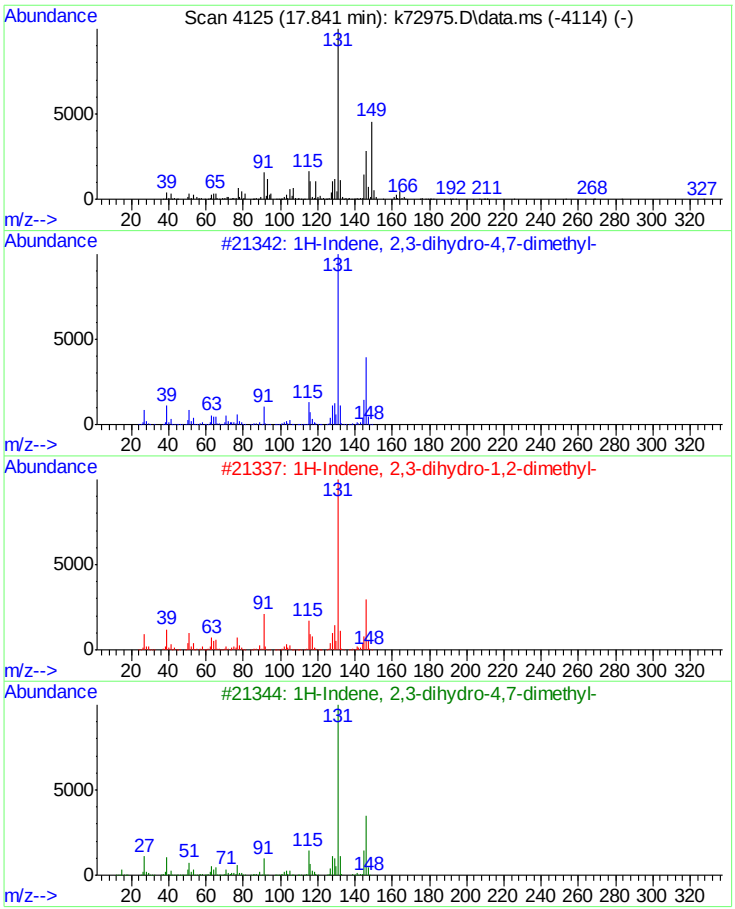
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

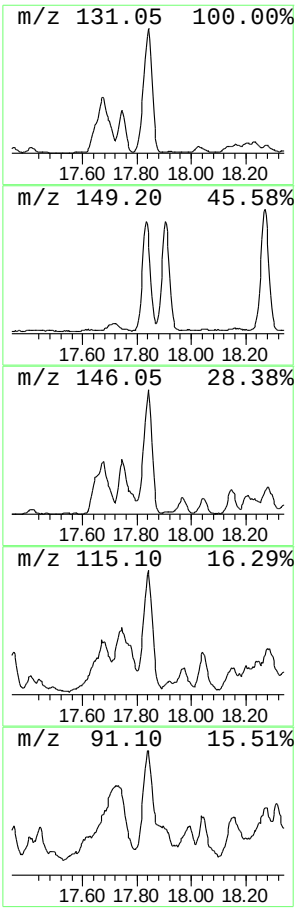
****

Peak Number 9 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.840	165.04 ug/kg	4163160	1,4-dichlorobenzene-d4	15.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	92
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	70
5	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	70





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72975.D
Acq On : 8 Aug 2013 8:47 pm
Operator : GaryK
Sample : mc23228-3
Misc : ms29620tic,msk2375,10.177,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

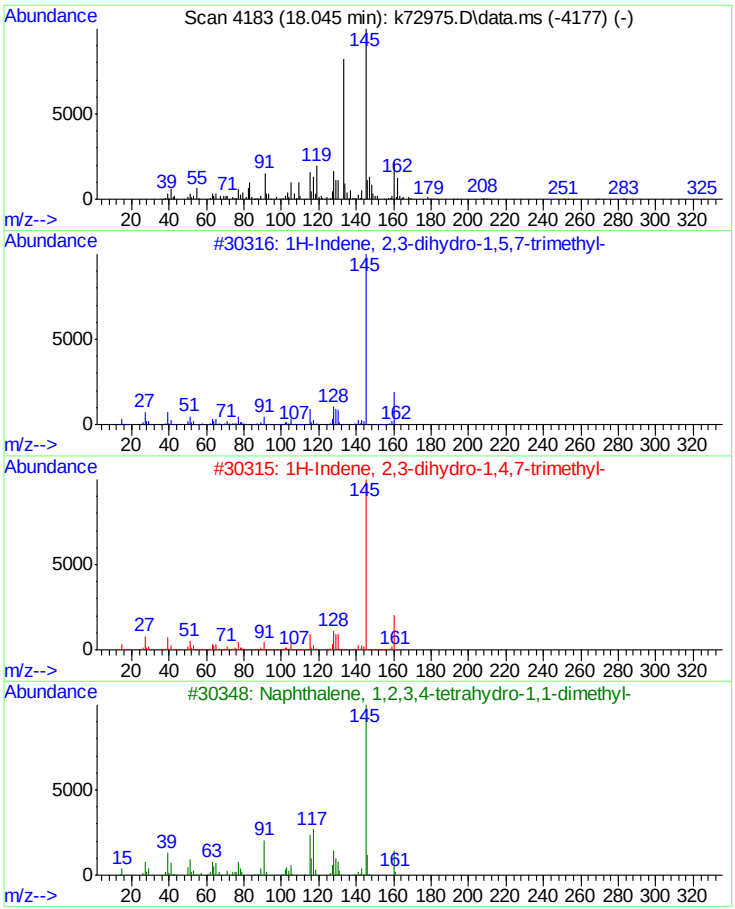
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

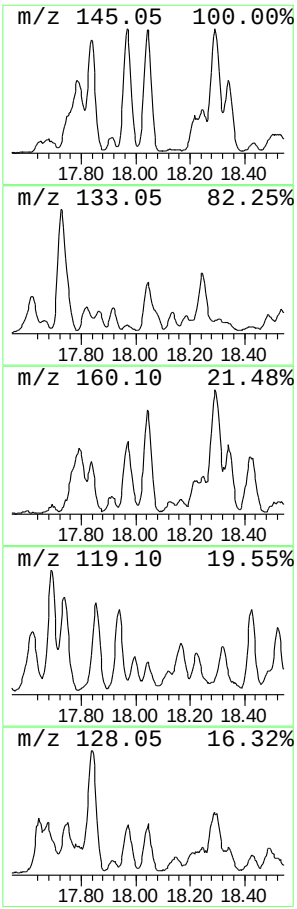
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

****
Peak Number 10 1H-Indene, 2,3-dihydro-1,5,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.045	51.31 ug/kg	1294420	1,4-dichlorobenzene-d4	15.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	83
2	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	52
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	50
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	50
5	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	50





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\130808\
Data File : k72975.D
Acq On : 8 Aug 2013 8:47 pm
Operator : GaryK
Sample : mc23228-3
Misc : ms29620tic,msk2375,10.177,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
3-Octyne, 2,2-d...	14.929	11.6	ug/kg	293304	5	15.501	1261260	50.0
Naphthalene, de...	16.210	46.5	ug/kg	1172100	5	15.501	1261260	50.0
Benzene, 1,3-di...	16.619	19.0	ug/kg	478086	5	15.501	1261260	50.0
Adamantane	16.690	27.9	ug/kg	702886	5	15.501	1261260	50.0
Benzene, 1,2,3,...	16.877	30.4	ug/kg	767436	5	15.501	1261260	50.0
Propan-1-one, 1...	16.923	136.4	ug/kg	3440160	5	15.501	1261260	50.0
Cis-1,4-dimethy...	17.117	49.7	ug/kg	1252810	5	15.501	1261260	50.0
Benzene, 1-meth...	17.241	24.9	ug/kg	628898	5	15.501	1261260	50.0
1H-Indene, 2,3-...	17.840	165.0	ug/kg	4163160	5	15.501	1261260	50.0
1H-Indene, 2,3-...	18.045	51.3	ug/kg	1294420	5	15.501	1261260	50.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72953.D
Acq On : 8 Aug 2013 10:47 am
Operator : GaryK
Sample : mb
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 08 12:56:16 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

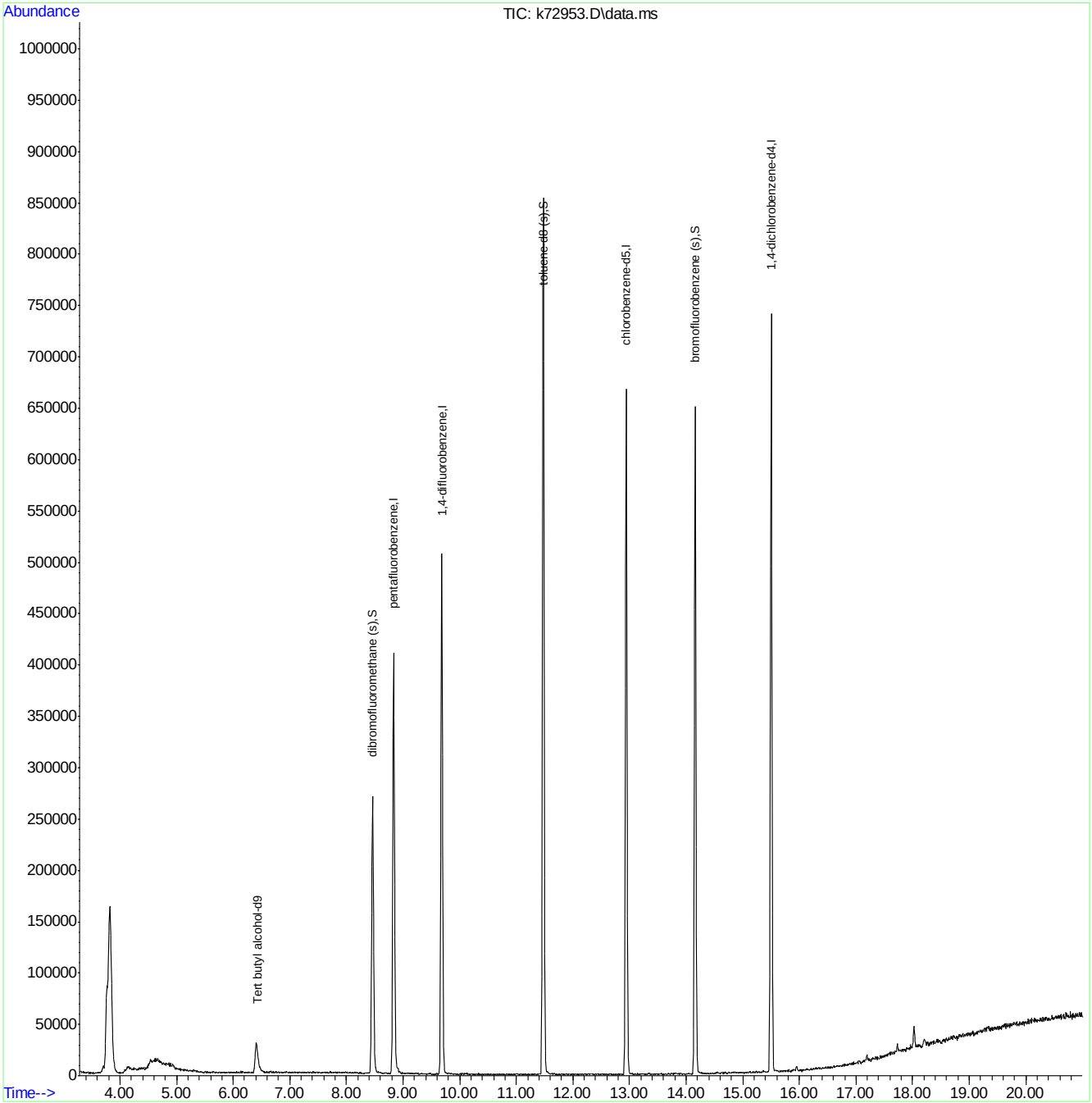
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.421	65	57124	500.00	ug/kg	0.00
4) pentafluorobenzene	8.836	168	361245	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.683	114	531286	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.942	82	208214	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	254827	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.465	113	201349	53.84	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.68%			
63) toluene-d8 (s)	11.477	98	680235	51.07	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.14%			
87) bromofluorobenzene (s)	14.160	95	245502	50.40	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.80%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72953.D
Acq On : 8 Aug 2013 10:47 am
Operator : GaryK
Sample : mb
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 08 12:56:16 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72953.D
Acq On : 8 Aug 2013 10:47 am
Operator : GaryK
Sample : mb
Misc : ms29620tic,msk2375,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\K130807S.m
Title : SW-846 Method 8260

Signal : TIC: k72953.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.407	871	885	899	rBV2	29116	94313	5.68%	1.154%
2	8.461	1453	1467	1488	rBV3	269538	618568	37.23%	7.570%
3	8.835	1557	1573	1591	rBV	409552	891578	53.66%	10.911%
4	9.682	1800	1813	1831	rBV2	506985	1047368	63.03%	12.817%
5	11.478	2308	2322	2337	rBV	853347	1661590	100.00%	20.334%
6	12.942	2723	2737	2754	rBV	667431	1264914	76.13%	15.480%
7	14.160	3068	3082	3097	rBV	649947	1196680	72.02%	14.645%
8	15.501	3447	3462	3477	rBV2	738476	1362016	81.97%	16.668%
9	18.024	4171	4177	4187	rVB7	20635	34442	2.07%	0.421%

Sum of corrected areas: 8171469

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72991.D
Acq On : 9 Aug 2013 11:34 am
Operator : GaryK
Sample : mb
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 09 13:09:32 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

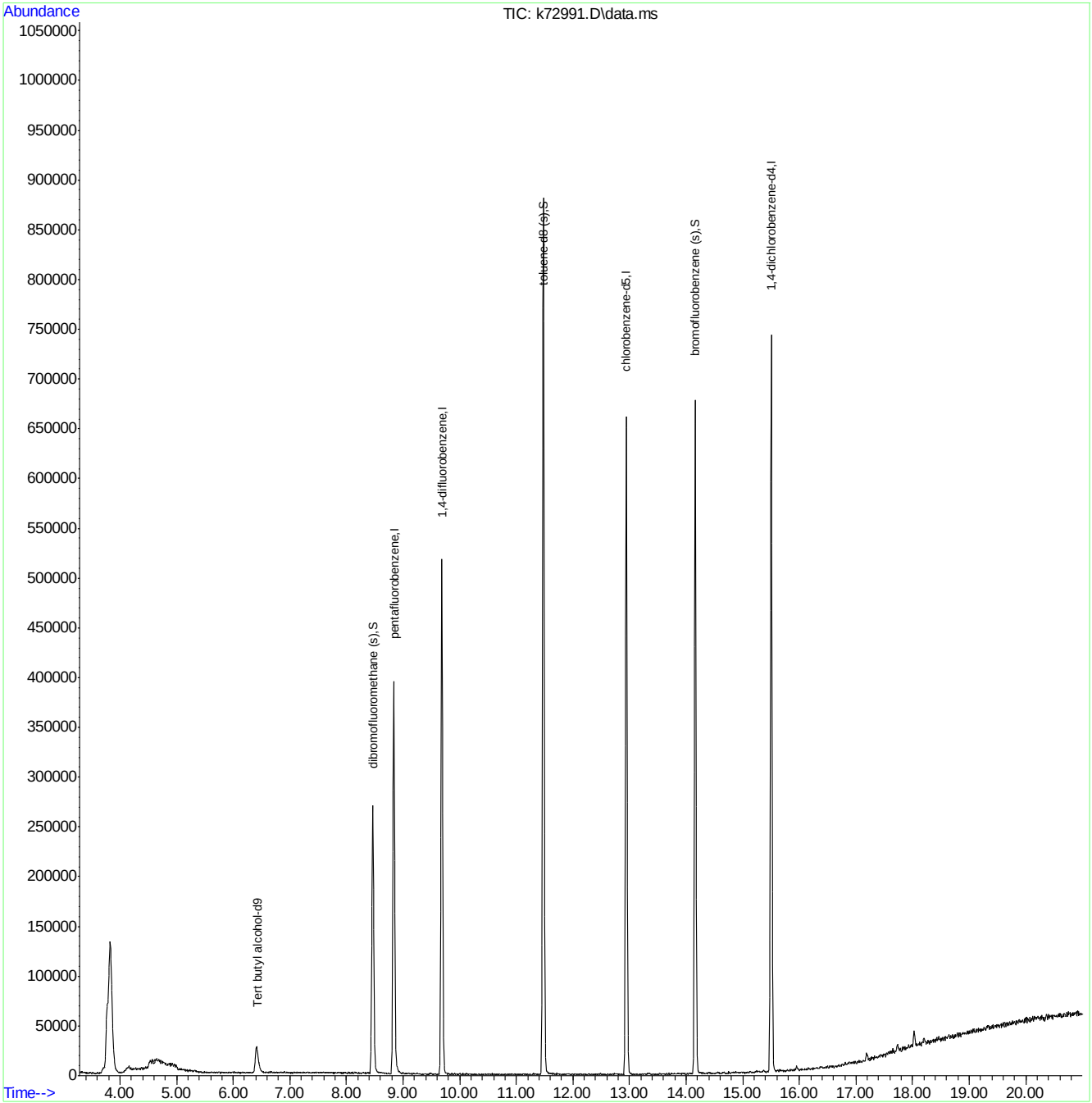
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.425	65	54314	500.00	ug/kg	0.00
4) pentafluorobenzene	8.838	168	359943	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.685	114	529718	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.943	82	208764	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.502	152	251544	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.468	113	204506	54.89	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.78%			
63) toluene-d8 (s)	11.479	98	705804	53.15	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.30%			
87) bromofluorobenzene (s)	14.161	95	252071	52.43	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.86%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72991.D
Acq On : 9 Aug 2013 11:34 am
Operator : GaryK
Sample : mb
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 09 13:09:32 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\data\130809\
Data File : k72991.D
Acq On : 9 Aug 2013 11:34 am
Operator : GaryK
Sample : mb
Misc : ms29626tic,msk2376,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\K130807S.m
Title : SW-846 Method 8260

Signal : TIC: k72991.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.407	868	885	886	rBV6	25684	38755	2.25%	0.474%
2	8.464	1454	1468	1488	rBV2	269132	627958	36.39%	7.688%
3	8.835	1559	1573	1591	rBV	394152	880337	51.02%	10.778%
4	9.682	1798	1813	1835	rBV	517837	1049897	60.85%	12.854%
5	11.478	2307	2322	2338	rBV	881094	1725437	100.00%	21.124%
6	12.942	2723	2737	2754	rBV	661486	1261702	73.12%	15.447%
7	14.160	3069	3082	3099	rBV	677206	1245835	72.20%	15.253%
8	15.501	3449	3462	3477	rBV2	740458	1338126	77.55%	16.382%

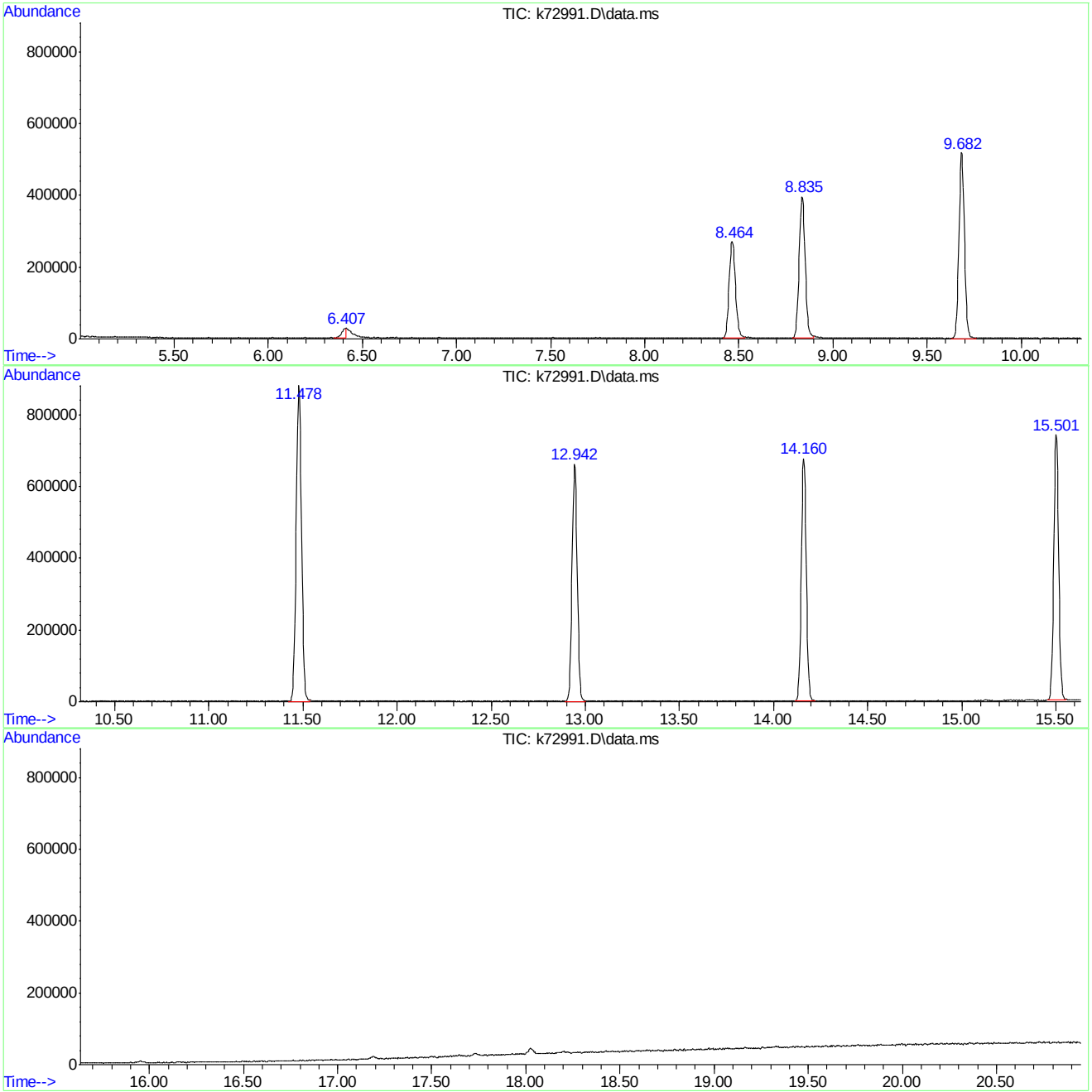
Sum of corrected areas: 8168047

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\130809\
Data File : k72991.D
Acq On : 9 Aug 2013 11:34 am
Operator : GaryK
Sample : mb
Misc : ms29626tic,msk2376,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\130809\
Data File : k72991.D
Acq On : 9 Aug 2013 11:34 am
Operator : GaryK
Sample : mb
Misc : ms29626tic,msk2376,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\130809\
Data File : k72991.D
Acq On : 9 Aug 2013 11:34 am
Operator : GaryK
Sample : mb
Misc : ms29626tic,msk2376,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 08/09/13 09:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72950.D
Acq On : 8 Aug 2013 9:25 am
Operator : GaryK
Sample : bs
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 08 09:48:18 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.422	65	59655	500.00	ug/kg	0.00
4) pentafluorobenzene	8.837	168	375194	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.683	114	538769	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.940	82	223793	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.500	152	264400	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.466	113	188424	48.51	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.02%			
63) toluene-d8 (s)	11.476	98	666852	49.37	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.74%			
87) bromofluorobenzene (s)	14.159	95	242345	47.95	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.90%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.507	59	84213	551.67	ug/kg	88
3) Ethanol	5.377	45	92884	4838.78	ug/kg#	100
5) dichlorodifluoromethane	4.231	85	206252	50.85	ug/kg	100
6) chloromethane	4.444	50	177916	74.27	ug/kg	97
7) vinyl chloride	4.681	62	88535	44.73	ug/kg	99
8) bromomethane	5.169	96	159115	55.41	ug/kg	99
9) chloroethane	5.329	64	95555	55.78	ug/kg	96
10) dichlorofluoromethane	5.376	67	291309	56.12	ug/kg	100
11) ethyl ether	6.177	59	100570	49.46	ug/kg	86
12) acetonitrile	6.507	41	20443	47.73	ug/kg	88
13) trichlorofluoromethane	5.960	101	284892	48.42	ug/kg	97
14) freon-113	6.728	101	173401	53.05	ug/kg	94
15) acrolein	5.945	56	2424	19.17	ug/kg	95
16) 1,1-dichloroethene	6.539	96	173685	54.05	ug/kg	83
17) acetone	6.049	43	27211	49.42	ug/kg	96
18) Methyl Acetate	6.667	43	88362	35.42	ug/kg	91
19) methylene chloride	6.678	84	185841	52.67	ug/kg	93
20) methyl tert butyl ether	7.449	73	363569	50.32	ug/kg	100
21) acrylonitrile	6.546	53	32215	48.24	ug/kg	92
22) allyl chloride	6.765	41	229991	55.95	ug/kg	84
23) trans-1,2-dichloroethene	7.349	96	204239	53.26	ug/kg	94
24) iodomethane	6.586	142	360470	56.10	ug/kg	94
25) carbon disulfide	6.957	76	489906m	55.08	ug/kg	
26) propionitrile	7.563	54	11849	47.35	ug/kg	100
27) vinyl acetate	7.660	43	191612	39.93	ug/kg	93
28) chloroprene	7.955	53	218343	57.42	ug/kg	97
29) di-isopropyl ether	8.006	45	461210	50.64	ug/kg	92
30) methacrylonitrile	8.078	41	70697	47.31	ug/kg	82
31) 2-butanone	7.981	72	11421	42.85	ug/kg#	1
32) Hexane	7.991	41	218938	51.58	ug/kg#	79
33) 1,1-dichloroethane	7.595	63	278418	57.46	ug/kg	99
34) tert-butyl ethyl ether	8.396	59	399866	52.47	ug/kg	96
35) isobutyl alcohol	8.401	43	62408	252.95	ug/kg	93
36) 2,2-dichloropropane	8.456	77	224875	64.35	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72950.D
Acq On : 8 Aug 2013 9:25 am
Operator : GaryK
Sample : bs
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 08 09:48:18 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.167	96	219084	51.13	ug/kg	94
38) ethyl acetate	8.401	43	62408	50.69	ug/kg	98
39) bromochloromethane	8.315	128	117693	55.99	ug/kg	95
40) chloroform	8.356	83	318915	56.64	ug/kg	96
42) Tetrahydrofuran	8.676	42	25341	43.56	ug/kg	81
43) 1,1,1-trichloroethane	9.123	97	285471	56.39	ug/kg	98
44) n-Butyl Alcohol	9.423	56	222684	1315.92	ug/kg#	30
46) Cyclohexane	9.423	56	222684	52.82	ug/kg	95
47) carbon tetrachloride	9.480	117	245206	55.15	ug/kg	99
48) 1,1-dichloropropene	9.286	75	220353	51.68	ug/kg	96
49) benzene	9.484	78	662959	49.66	ug/kg	100
50) 1,2-dichloroethane	8.989	62	194812	50.28	ug/kg	96
51) tert-amyl methyl ether	9.633	73	384135	50.94	ug/kg	93
52) heptane	9.996	43	195827	55.10	ug/kg	87
53) 2-Nitropropane	9.996	43	195827	53.87	ug/kg	97
54) trichloroethene	10.120	95	199250	49.55	ug/kg	98
55) 1,2-dichloropropane	10.073	63	160903	50.92	ug/kg	99
56) dibromomethane	10.046	93	106097	55.72	ug/kg	98
57) bromodichloromethane	10.158	83	232708	52.25	ug/kg	99
58) Methylcyclohexane	10.663	83	262178	52.11	ug/kg	98
59) 2-chloroethyl vinyl ether	10.530	63	43956	27.72	ug/kg	98
60) methyl methacrylate	10.249	69	69240	46.68	ug/kg	84
61) 1,4-dioxane	10.250	88	5376	232.60	ug/kg	81
62) cis-1,3-dichloropropene	10.784	75	277202	51.63	ug/kg	94
64) 4-methyl-2-pentanone	10.864	43	88310	49.65	ug/kg	88
65) toluene	11.549	92	466475	51.98	ug/kg	97
66) trans-1,3-dichloropropene	11.195	75	239231	54.75	ug/kg	96
67) 1,1,2-trichloroethane	11.366	83	120710	48.55	ug/kg	97
68) ethyl methacrylate	11.569	69	134686	48.72	ug/kg	82
70) tetrachloroethene	12.306	166	249686	57.54	ug/kg	98
71) 1,3-dichloropropane	11.605	76	210544	49.69	ug/kg	98
72) dibromochloromethane	11.886	129	203864	53.86	ug/kg	98
73) 1,2-dibromoethane	12.135	107	165077	51.21	ug/kg	100
74) 2-hexanone	11.720	43	53899	45.57	ug/kg	94
75) chlorobenzene	12.976	112	590038	49.80	ug/kg	97
76) 1-chlorohexane	12.872	91	257057	56.17	ug/kg	97
77) 1,1,1,2-tetrachloroethane	12.902	131	219984	53.06	ug/kg	97
78) ethylbenzene	13.146	91	890801	53.83	ug/kg	99
79) m,p-xylene	13.329	106	747645	106.03	ug/kg	100
80) o-xylene	13.742	106	365361	52.38	ug/kg	97
81) styrene	13.665	104	602979	53.61	ug/kg	95
82) bromoform	13.486	173	106267	56.15	ug/kg	100
83) cis-1,4-dichloro-2-butene	13.572	88	44424	53.71	ug/kg	90
84) trans-1,4-dichloro-2-b...	13.893	53	28699	57.88	ug/kg#	76
86) isopropylbenzene	14.107	105	918489	51.93	ug/kg	99
88) bromobenzene	14.394	156	281125	52.62	ug/kg	93
89) 1,1,2,2-tetrachloroethane	13.751	83	141520	48.36	ug/kg	100
90) 1,2,3-trichloropropane	13.894	75	150533	51.94	ug/kg	100
91) n-propylbenzene	14.554	91	986482	51.30	ug/kg	97
92) 2-chlorotoluene	14.675	91	609119	50.30	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72950.D
Acq On : 8 Aug 2013 9:25 am
Operator : GaryK
Sample : bs
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 08 09:48:18 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

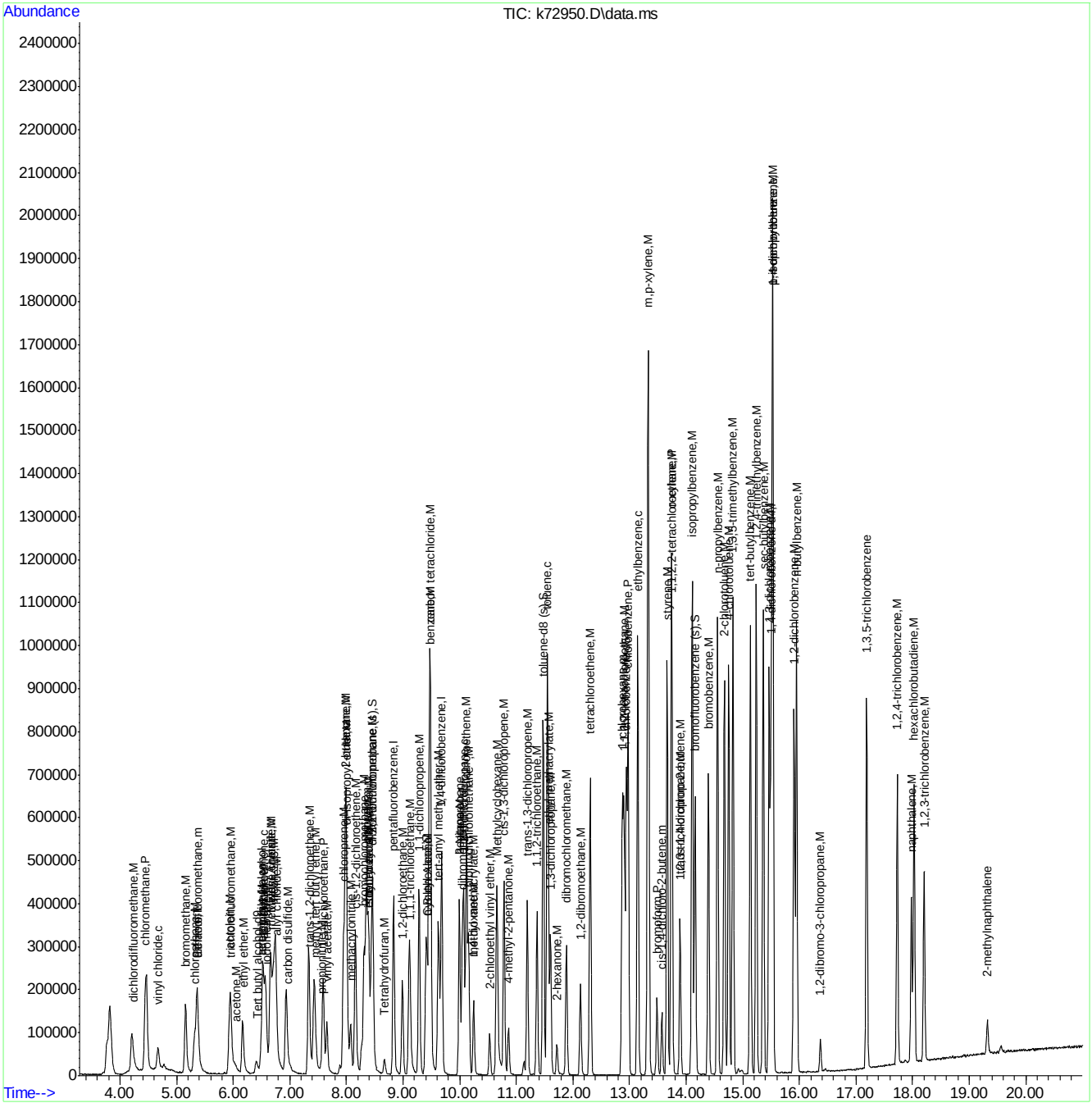
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.752	91	636659	51.86	ug/kg	96
94)	1,3,5-trimethylbenzene	14.826	105	743941	51.81	ug/kg	99
95)	tert-butylbenzene	15.133	91	388911	51.29	ug/kg	92
96)	1,2,4-trimethylbenzene	15.237	105	769893	52.79	ug/kg	98
97)	sec-butylbenzene	15.362	105	934194	51.52	ug/kg	98
98)	1,3-dichlorobenzene	15.466	146	513613	50.53	ug/kg	98
99)	p-isopropyltoluene	15.529	119	785362	54.93	ug/kg	97
100)	1,4-dichlorobenzene	15.528	146	506879	52.20	ug/kg	97
101)	1,2-dichlorobenzene	15.906	146	466778	50.17	ug/kg	98
102)	n-butylbenzene	15.950	91	688504	54.61	ug/kg	100
103)	1,2-dibromo-3-chloropr...	16.370	75	18162	45.29	ug/kg	97
104)	1,3,5-trichlorobenzene	17.188	180	341725	58.35	ug/kg	100
105)	1,2,4-trichlorobenzene	17.729	180	267462	52.37	ug/kg	97
106)	hexachlorobutadiene	18.025	225	156031	52.79	ug/kg	95
107)	naphthalene	17.978	128	389183	48.20	ug/kg	100
108)	1,2,3-trichlorobenzene	18.203	180	179217	49.74	ug/kg	99
109)	2-methylnaphthalene	19.323	142	48768m	22.89	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72950.D
Acq On : 8 Aug 2013 9:25 am
Operator : GaryK
Sample : bs
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 08 09:48:18 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 08/09/13 15:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72988.D
Acq On : 9 Aug 2013 10:12 am
Operator : GaryK
Sample : bs
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 09 10:36:21 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.425	65	55317	500.00	ug/kg	0.00
4) pentafluorobenzene	8.840	168	372193	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.686	114	526992	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.941	82	217784	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	261761	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.469	113	186437	48.39	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.78%			
63) toluene-d8 (s)	11.479	98	668300	50.58	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.16%			
87) bromofluorobenzene (s)	14.160	95	238894	47.75	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.50%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.511	59	79285	560.12	ug/kg	91
3) Ethanol	5.380	45	86339m	4850.54	ug/kg	
5) dichlorodifluoromethane	4.243	85	204801	50.90	ug/kg	98
6) chloromethane	4.455	50	180105	76.10	ug/kg	98
7) vinyl chloride	4.693	62	98480	50.15	ug/kg	99
8) bromomethane	5.180	96	163976	57.56	ug/kg	97
9) chloroethane	5.339	64	96523	56.80	ug/kg	97
10) dichlorofluoromethane	5.385	67	295858	57.46	ug/kg	100
11) ethyl ether	6.183	59	99057	49.11	ug/kg	93
12) acetonitrile	6.509	41	18199	42.83	ug/kg	81
13) trichlorofluoromethane	5.968	101	297297	50.93	ug/kg	96
14) freon-113	6.736	101	181041	55.84	ug/kg	94
15) acrolein	5.952	56	2431	19.38	ug/kg	95
16) 1,1-dichloroethene	6.554	96	182259	57.17	ug/kg	91
17) acetone	6.053	43	23690	43.37	ug/kg	98
18) Methyl Acetate	6.675	43	83146	33.60	ug/kg	91
19) methylene chloride	6.684	84	186185	53.19	ug/kg	94
20) methyl tert butyl ether	7.450	73	348246	48.59	ug/kg	99
21) acrylonitrile	6.552	53	30567	46.14	ug/kg	96
22) allyl chloride	6.769	41	224759	55.12	ug/kg	90
23) trans-1,2-dichloroethene	7.351	96	202171	53.15	ug/kg	96
24) iodomethane	6.595	142	376821	59.11	ug/kg	99
25) carbon disulfide	6.964	76	504970m	57.24	ug/kg	
26) propionitrile	7.568	54	10920	43.99	ug/kg	100
27) vinyl acetate	7.664	43	179893	37.79	ug/kg	95
28) chloroprene	7.960	53	224788	59.60	ug/kg	99
29) di-isopropyl ether	8.008	45	456782	50.55	ug/kg	89
30) methacrylonitrile	8.083	41	63150m	42.60	ug/kg	
31) 2-butanone	7.984	72	11249	42.55	ug/kg#	1
32) Hexane	7.995	41	218166	51.81	ug/kg#	78
33) 1,1-dichloroethane	7.602	63	283917	59.07	ug/kg	100
34) tert-butyl ethyl ether	8.397	59	389444	51.51	ug/kg	98
35) isobutyl alcohol	8.404	43	59621	243.60	ug/kg	93
36) 2,2-dichloropropane	8.460	77	230055	66.36	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72988.D
Acq On : 9 Aug 2013 10:12 am
Operator : GaryK
Sample : bs
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 09 10:36:21 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.171	96	220394	51.85	ug/kg	93
38) ethyl acetate	8.401	43	57055	46.72	ug/kg	90
39) bromochloromethane	8.320	128	117900	56.54	ug/kg	95
40) chloroform	8.360	83	323036	57.83	ug/kg	99
42) Tetrahydrofuran	8.678	42	23295	40.37	ug/kg	95
43) 1,1,1-trichloroethane	9.126	97	289978	57.74	ug/kg	98
44) n-Butyl Alcohol	9.427	56	227877	1357.47	ug/kg#	39
46) Cyclohexane	9.427	56	227693	55.21	ug/kg	92
47) carbon tetrachloride	9.483	117	252468	58.05	ug/kg	97
48) 1,1-dichloropropene	9.289	75	228766	54.85	ug/kg	93
49) benzene	9.487	78	672086	51.47	ug/kg	99
50) 1,2-dichloroethane	8.992	62	188178	49.65	ug/kg	97
51) tert-amyl methyl ether	9.635	73	374178	50.72	ug/kg	93
52) heptane	9.999	43	195034	56.10	ug/kg	84
53) 2-Nitropropane	9.999	43	195034	54.85	ug/kg	97
54) trichloroethene	10.123	95	201835	51.31	ug/kg	94
55) 1,2-dichloropropane	10.076	63	159334	51.55	ug/kg	100
56) dibromomethane	10.049	93	102894	55.25	ug/kg	94
57) bromodichloromethane	10.161	83	225617	51.79	ug/kg	99
58) Methylcyclohexane	10.669	83	277751	56.44	ug/kg	99
59) 2-chloroethyl vinyl ether	10.533	63	41928	27.03	ug/kg	99
60) methyl methacrylate	10.252	69	67089	46.24	ug/kg	88
61) 1,4-dioxane	10.248	88	4694	207.63	ug/kg	99
62) cis-1,3-dichloropropene	10.786	75	272922	51.97	ug/kg	92
64) 4-methyl-2-pentanone	10.866	43	81324	46.74	ug/kg	89
65) toluene	11.551	92	483255	55.05	ug/kg	96
66) trans-1,3-dichloropropene	11.197	75	232723	54.45	ug/kg	95
67) 1,1,2-trichloroethane	11.368	83	117997	48.52	ug/kg	99
68) ethyl methacrylate	11.571	69	129722	47.98	ug/kg	85
70) tetrachloroethene	12.308	166	265602	62.90	ug/kg	99
71) 1,3-dichloropropane	11.607	76	200931	48.73	ug/kg	99
72) dibromochloromethane	11.888	129	200141	54.34	ug/kg	100
73) 1,2-dibromoethane	12.137	107	159364	50.81	ug/kg	100
74) 2-hexanone	11.722	43	49970	43.42	ug/kg	94
75) chlorobenzene	12.977	112	602918	52.29	ug/kg	95
76) 1-chlorohexane	12.874	91	265298	59.57	ug/kg	97
77) 1,1,1,2-tetrachloroethane	12.903	131	221732	54.96	ug/kg	99
78) ethylbenzene	13.148	91	910877	56.56	ug/kg	100
79) m,p-xylene	13.331	106	765218	111.52	ug/kg	100
80) o-xylene	13.744	106	372467	54.87	ug/kg	100
81) styrene	13.666	104	616787	56.35	ug/kg	93
82) bromoform	13.488	173	104007	56.47	ug/kg	98
83) cis-1,4-dichloro-2-butene	13.574	88	43639	54.21	ug/kg	90
84) trans-1,4-dichloro-2-b...	13.894	53	28258	58.57	ug/kg	95
86) isopropylbenzene	14.109	105	947834	54.13	ug/kg	99
88) bromobenzene	14.395	156	281827	53.29	ug/kg	94
89) 1,1,2,2-tetrachloroethane	13.753	83	136420	47.08	ug/kg	98
90) 1,2,3-trichloropropane	13.895	75	141728	49.40	ug/kg	99
91) n-propylbenzene	14.555	91	1014546	53.29	ug/kg	99
92) 2-chlorotoluene	14.676	91	609603	50.85	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72988.D
Acq On : 9 Aug 2013 10:12 am
Operator : GaryK
Sample : bs
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 09 10:36:21 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

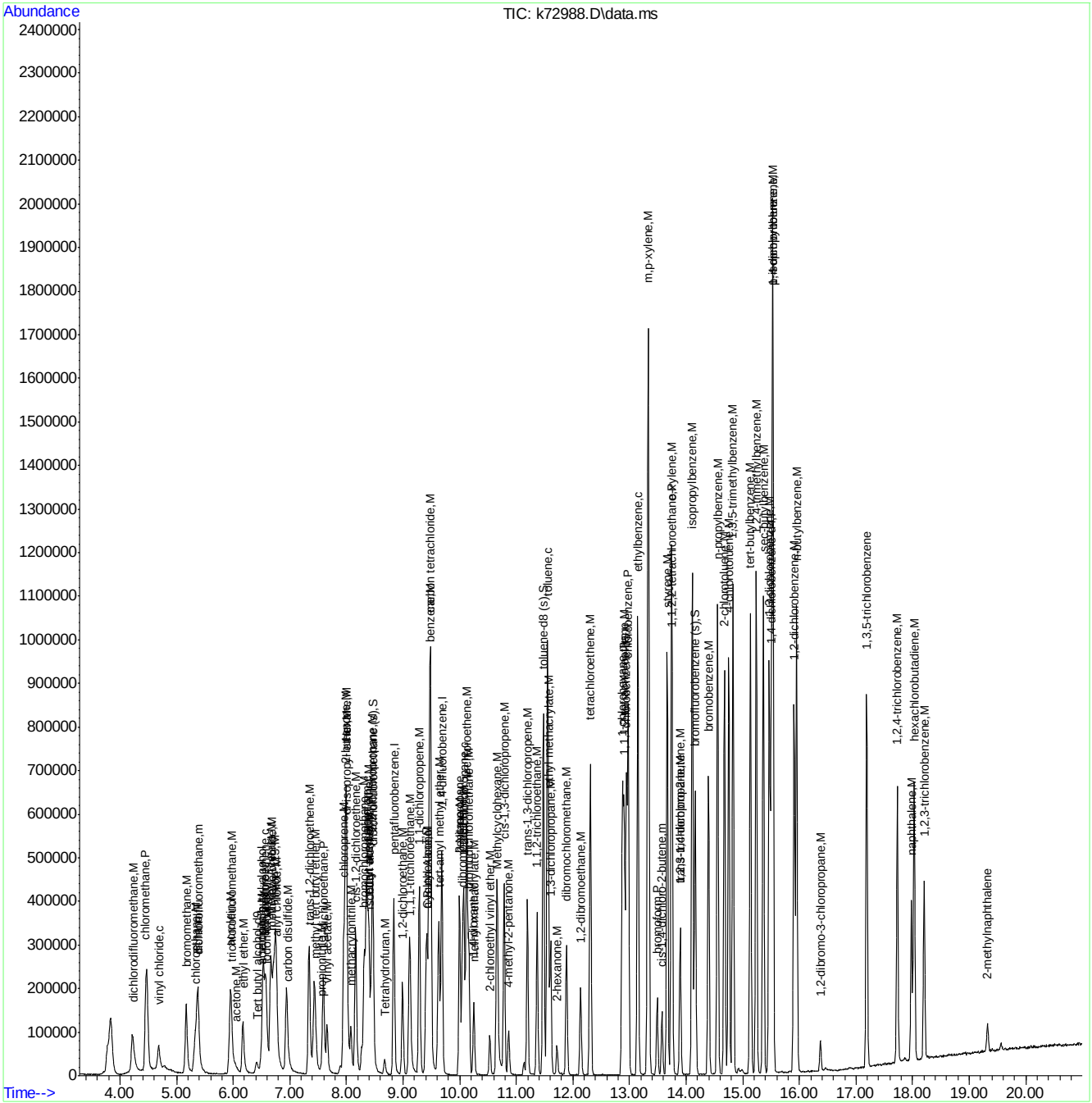
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 4-chlorotoluene	14.753	91	644988	53.07	ug/kg	95
94) 1,3,5-trimethylbenzene	14.827	105	762453	53.64	ug/kg	99
95) tert-butylbenzene	15.134	91	396742	52.85	ug/kg	94
96) 1,2,4-trimethylbenzene	15.238	105	777167	53.83	ug/kg	98
97) sec-butylbenzene	15.363	105	963191	53.65	ug/kg	100
98) 1,3-dichlorobenzene	15.467	146	517394	51.41	ug/kg	99
99) p-isopropyltoluene	15.530	119	806234	56.96	ug/kg	98
100) 1,4-dichlorobenzene	15.529	146	511718	53.23	ug/kg	98
101) 1,2-dichlorobenzene	15.907	146	466445	50.64	ug/kg	98
102) n-butylbenzene	15.951	91	699984	56.08	ug/kg	99
103) 1,2-dibromo-3-chloropr...	16.371	75	15861	39.95	ug/kg	98
104) 1,3,5-trichlorobenzene	17.189	180	344511	59.42	ug/kg	100
105) 1,2,4-trichlorobenzene	17.730	180	256494	50.73	ug/kg	99
106) hexachlorobutadiene	18.026	225	160073	54.70	ug/kg	96
107) naphthalene	17.979	128	360886	45.15	ug/kg	100
108) 1,2,3-trichlorobenzene	18.204	180	167892	47.07	ug/kg	98
109) 2-methylnaphthalene	19.322	142	42005	19.91	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72988.D
Acq On : 9 Aug 2013 10:12 am
Operator : GaryK
Sample : bs
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 09 10:36:21 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72964.D
Acq On : 8 Aug 2013 3:47 pm
Operator : GaryK
Sample : mc23133-1ms
Misc : ms29620,msk2375,6.11,,100,10,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 09 07:43:46 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.426	65	56233	500.00	ug/kg	0.00
4) pentafluorobenzene	8.839	168	369210	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.685	114	528157	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.940	82	221468	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	257843	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.468	113	191470	50.10	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.20%			
63) toluene-d8 (s)	11.478	98	688829	52.02	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.04%			
87) bromofluorobenzene (s)	14.160	95	253124	51.36	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.72%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.512	59	79030	549.22	ug/kg	92
3) Ethanol	5.373	45	81354	4496.03	ug/kg#	100
5) dichlorodifluoromethane	4.239	85	228702	57.30	ug/kg	98
6) chloromethane	4.451	50	189971	81.89	ug/kg	100
7) vinyl chloride	4.689	62	103289	53.03	ug/kg	99
8) bromomethane	5.179	96	166849	59.04	ug/kg	96
9) chloroethane	5.340	64	100946	59.88	ug/kg	94
10) dichlorofluoromethane	5.384	67	307958	60.29	ug/kg	100
11) ethyl ether	6.181	59	101713	50.83	ug/kg	87
12) acetonitrile	6.509	41	17841	42.33	ug/kg	81
13) trichlorofluoromethane	5.967	101	312576	53.98	ug/kg	100
14) freon-113	6.735	101	190879	59.35	ug/kg	99
15) acrolein	5.957	56	2302	18.50	ug/kg	95
16) 1,1-dichloroethene	6.548	96	185155	58.55	ug/kg	93
17) acetone	6.060	43	29672	54.76	ug/kg	89
18) Methyl Acetate	6.675	43	96070	39.14	ug/kg#	96
19) methylene chloride	6.682	84	188091	54.17	ug/kg	91
20) methyl tert butyl ether	7.451	73	357602	50.30	ug/kg	98
21) acrylonitrile	6.552	53	31709	48.25	ug/kg	94
22) allyl chloride	6.766	41	229820	56.81	ug/kg	85
23) trans-1,2-dichloroethene	7.350	96	206750	54.79	ug/kg	95
24) iodomethane	6.593	142	376347	59.52	ug/kg	97
25) carbon disulfide	6.962	76	527854	60.31	ug/kg	98
26) propionitrile	7.569	54	11070	44.96	ug/kg	100
27) vinyl acetate	7.664	43	168521	35.69	ug/kg	94
28) chloroprene	7.959	53	228516	61.07	ug/kg	100
29) di-isopropyl ether	8.008	45	462302	51.58	ug/kg	91
30) methacrylonitrile	8.084	41	66779	45.41	ug/kg	79
31) 2-butanone	7.985	72	11734	44.74	ug/kg#	1
32) Hexane	7.994	41	236535	56.63	ug/kg#	82
33) 1,1-dichloroethane	7.599	63	285820	59.94	ug/kg	99
34) tert-butyl ethyl ether	8.398	59	402231	53.63	ug/kg	97
35) isobutyl alcohol	8.400	43	57326	236.12	ug/kg	94
36) 2,2-dichloropropane	8.459	77	222314	64.65	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72964.D
Acq On : 8 Aug 2013 3:47 pm
Operator : GaryK
Sample : mc23133-1ms
Misc : ms29620,msk2375,6.11,,100,10,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 09 07:43:46 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.167	96	219045	51.95	ug/kg	95
38) ethyl acetate	8.399	43	57732	47.65	ug/kg	96
39) bromochloromethane	8.318	128	117528	56.82	ug/kg	93
40) chloroform	8.358	83	323785	58.44	ug/kg	99
42) Tetrahydrofuran	8.677	42	26209	45.79	ug/kg	90
43) 1,1,1-trichloroethane	9.125	97	300128	60.24	ug/kg	98
44) n-Butyl Alcohol	9.427	56	251494	1510.26	ug/kg#	42
46) Cyclohexane	9.427	56	251278	60.79	ug/kg	100
47) carbon tetrachloride	9.482	117	261143	59.91	ug/kg	99
48) 1,1-dichloropropene	9.288	75	234717	56.15	ug/kg	96
49) benzene	9.486	78	693860	53.02	ug/kg	100
50) 1,2-dichloroethane	8.991	62	192725	50.74	ug/kg	100
51) tert-amyl methyl ether	9.634	73	384837	52.05	ug/kg	95
52) heptane	9.998	43	217940	62.56	ug/kg	84
53) 2-Nitropropane	9.998	43	217940	61.16	ug/kg	97
54) trichloroethene	10.122	95	211372	53.62	ug/kg	96
55) 1,2-dichloropropane	10.075	63	161932	52.27	ug/kg	98
56) dibromomethane	10.048	93	102113	54.71	ug/kg	94
57) bromodichloromethane	10.161	83	229160	52.49	ug/kg	98
58) Methylcyclohexane	10.664	83	295873	59.99	ug/kg	96
59) 2-chloroethyl vinyl ether	10.533	63	42079	27.07	ug/kg	98
60) methyl methacrylate	10.251	69	67877	46.68	ug/kg	81
61) 1,4-dioxane	10.248	88	4456	196.67	ug/kg	87
62) cis-1,3-dichloropropene	10.785	75	275187	52.28	ug/kg	96
64) 4-methyl-2-pentanone	10.866	43	84824	48.64	ug/kg	88
65) toluene	11.550	92	494667	56.23	ug/kg	96
66) trans-1,3-dichloropropene	11.196	75	234517	54.75	ug/kg	94
67) 1,1,2-trichloroethane	11.367	83	119689	49.11	ug/kg	97
68) ethyl methacrylate	11.570	69	131631	48.58	ug/kg	83
70) tetrachloroethene	12.307	166	266762	62.12	ug/kg	98
71) 1,3-dichloropropane	11.606	76	206135	49.16	ug/kg	97
72) dibromochloromethane	11.887	129	198737	53.06	ug/kg	99
73) 1,2-dibromoethane	12.135	107	160841	50.42	ug/kg	99
74) 2-hexanone	11.721	43	50844	43.44	ug/kg	95
75) chlorobenzene	12.976	112	602849	51.41	ug/kg	95
76) 1-chlorohexane	12.873	91	276881	61.14	ug/kg	97
77) 1,1,1,2-tetrachloroethane	12.902	131	221717	54.04	ug/kg	98
78) ethylbenzene	13.147	91	938962	57.34	ug/kg	99
79) m,p-xylene	13.330	106	796654	114.17	ug/kg	99
80) o-xylene	13.743	106	382937	55.47	ug/kg	98
81) styrene	13.665	104	615407	55.29	ug/kg	95
82) bromoform	13.487	173	100858	53.85	ug/kg	97
83) cis-1,4-dichloro-2-butene	13.573	88	38814	47.46	ug/kg	93
84) trans-1,4-dichloro-2-b...	13.894	53	26726	54.47	ug/kg#	72
86) isopropylbenzene	14.108	105	964427	55.92	ug/kg	99
88) bromobenzene	14.394	156	283359	54.39	ug/kg	92
89) 1,1,2,2-tetrachloroethane	13.752	83	136122	47.70	ug/kg	97
90) 1,2,3-trichloropropane	13.894	75	141468	50.06	ug/kg	99
91) n-propylbenzene	14.555	91	1045048	55.72	ug/kg	98
92) 2-chlorotoluene	14.675	91	628451	53.22	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72964.D
Acq On : 8 Aug 2013 3:47 pm
Operator : GaryK
Sample : mc23133-1ms
Misc : ms29620,msk2375,6.11,,100,10,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 09 07:43:46 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

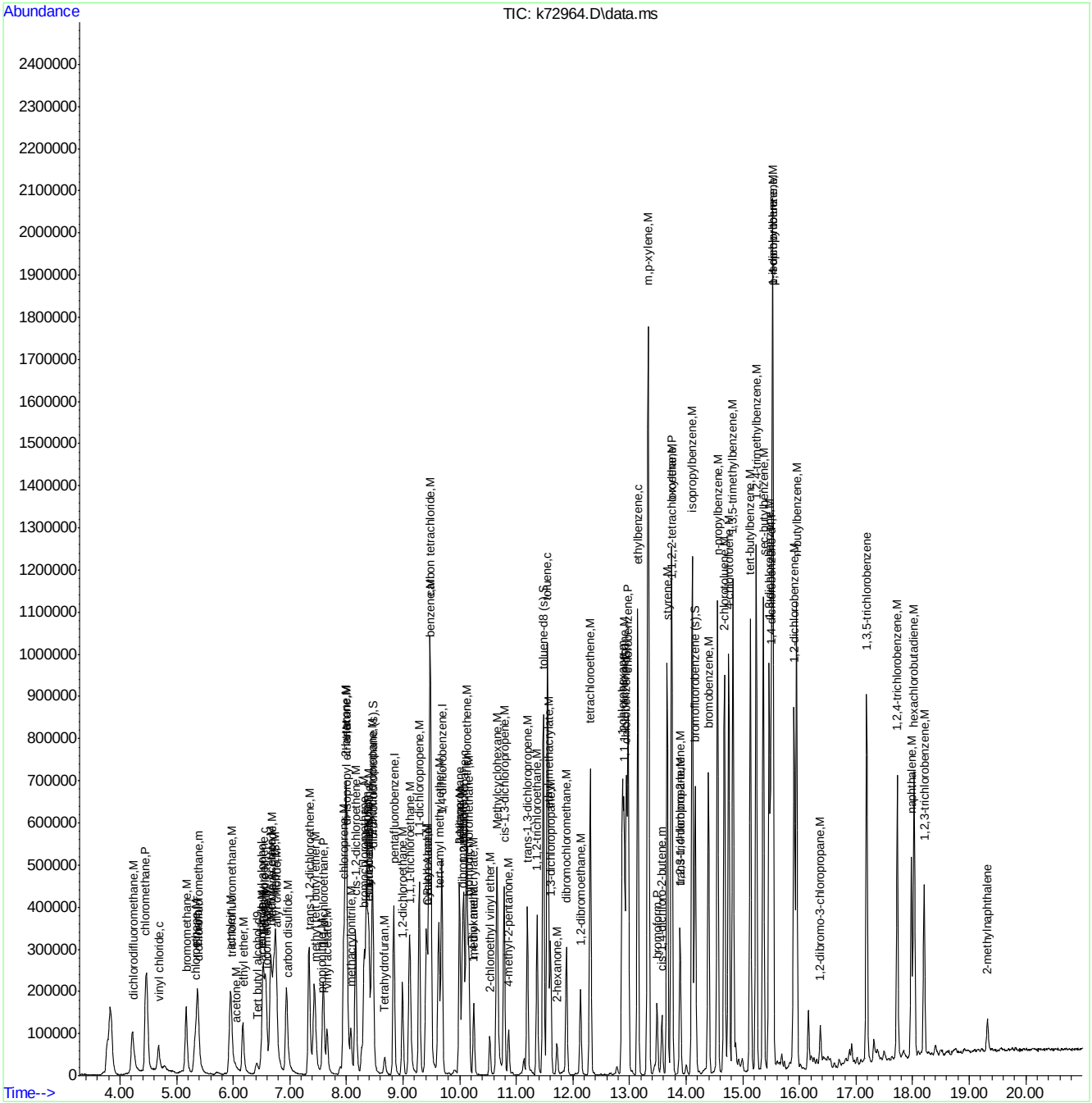
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 4-chlorotoluene	14.752	91	649740	54.27	ug/kg	97
94) 1,3,5-trimethylbenzene	14.826	105	778274	55.58	ug/kg	98
95) tert-butylbenzene	15.134	91	403242	54.54	ug/kg	95
96) 1,2,4-trimethylbenzene	15.238	105	823993	57.94	ug/kg	100
97) sec-butylbenzene	15.362	105	992134	56.11	ug/kg	99
98) 1,3-dichlorobenzene	15.466	146	521085	52.56	ug/kg	98
99) p-isopropyltoluene	15.529	119	818604	58.71	ug/kg	97
100) 1,4-dichlorobenzene	15.528	146	512178	54.09	ug/kg	96
101) 1,2-dichlorobenzene	15.907	146	469861	51.79	ug/kg	98
102) n-butylbenzene	15.950	91	722630	58.77	ug/kg	99
103) 1,2-dibromo-3-chloropr...	16.370	75	17148	43.85	ug/kg	95
104) 1,3,5-trichlorobenzene	17.188	180	342851	60.03	ug/kg	100
105) 1,2,4-trichlorobenzene	17.729	180	254735	51.15	ug/kg	100
106) hexachlorobutadiene	18.025	225	167194	58.00	ug/kg	96
107) naphthalene	17.978	128	474361	60.24	ug/kg	100
108) 1,2,3-trichlorobenzene	18.203	180	166533	47.39	ug/kg	99
109) 2-methylnaphthalene	19.321	142	46429	22.35	ug/kg	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72964.D
Acq On : 8 Aug 2013 3:47 pm
Operator : GaryK
Sample : mc23133-1ms
Misc : ms29620,msk2375,6.11,,100,10,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 09 07:43:46 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 08/09/13 10:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72965.D
Acq On : 8 Aug 2013 4:14 pm
Operator : GaryK
Sample : mc23133-1msd
Misc : ms29620,msk2375,6.11,,100,10,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 09 07:44:26 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.425	65	57430	500.00	ug/kg	0.00
4) pentafluorobenzene	8.838	168	365207	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.684	114	526329	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.941	82	217139	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	257488	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.467	113	191874	50.75	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.50%			
63) toluene-d8 (s)	11.477	98	685514	51.95	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.90%			
87) bromofluorobenzene (s)	14.160	95	247512	50.29	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.58%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.510	59	80586	548.37	ug/kg	87
3) Ethanol	5.361	45	79225	4287.11	ug/kg#	100
5) dichlorodifluoromethane	4.237	85	218046	55.23	ug/kg	99
6) chloromethane	4.448	50	187816	81.85	ug/kg	100
7) vinyl chloride	4.686	62	96944	50.32	ug/kg	95
8) bromomethane	5.177	96	164589	58.88	ug/kg	99
9) chloroethane	5.335	64	97602	58.53	ug/kg	93
10) dichlorofluoromethane	5.380	67	301421	59.66	ug/kg	100
11) ethyl ether	6.178	59	101133	51.10	ug/kg	93
12) acetonitrile	6.509	41	20060	48.12	ug/kg	80
13) trichlorofluoromethane	5.963	101	302200	52.76	ug/kg	95
14) freon-113	6.730	101	183116	57.56	ug/kg	94
15) acrolein	5.955	56	2361m	19.18	ug/kg	
16) 1,1-dichloroethene	6.541	96	177164	56.64	ug/kg	92
17) acetone	6.056	43	28510	53.19	ug/kg	98
18) Methyl Acetate	6.672	43	95945	39.51	ug/kg	92
19) methylene chloride	6.680	84	188324	54.83	ug/kg	91
20) methyl tert butyl ether	7.449	73	356635	50.71	ug/kg	96
21) acrylonitrile	6.550	53	33343	51.29	ug/kg	99
22) allyl chloride	6.767	41	228709	57.16	ug/kg	86
23) trans-1,2-dichloroethene	7.349	96	205119	54.95	ug/kg	96
24) iodomethane	6.590	142	370547	59.24	ug/kg	95
25) carbon disulfide	6.957	76	517154m	59.74	ug/kg	
26) propionitrile	7.567	54	11255	46.21	ug/kg	100
27) vinyl acetate	7.662	43	167017	35.76	ug/kg	97
28) chloroprene	7.958	53	226569	61.22	ug/kg	98
29) di-isopropyl ether	8.005	45	460508	51.94	ug/kg	89
30) methacrylonitrile	8.083	41	65406	44.96	ug/kg	88
31) 2-butanone	7.983	72	11584	44.65	ug/kg#	1
32) Hexane	7.992	41	231199	55.96	ug/kg#	81
33) 1,1-dichloroethane	7.598	63	279258	59.21	ug/kg	99
34) tert-butyl ethyl ether	8.396	59	398987	53.78	ug/kg	97
35) isobutyl alcohol	8.399	43	56950	237.14	ug/kg	94
36) 2,2-dichloropropane	8.457	77	217345	63.90	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72965.D
Acq On : 8 Aug 2013 4:14 pm
Operator : GaryK
Sample : mc23133-1msd
Misc : ms29620,msk2375,6.11,,100,10,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 09 07:44:26 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.168	96	221576	53.13	ug/kg	95
38) ethyl acetate	8.399	43	56848	47.44	ug/kg	92
39) bromochloromethane	8.317	128	118274	57.81	ug/kg	98
40) chloroform	8.356	83	320439	58.47	ug/kg	100
42) Tetrahydrofuran	8.675	42	27133	47.92	ug/kg	93
43) 1,1,1-trichloroethane	9.124	97	290327	58.91	ug/kg	99
44) n-Butyl Alcohol	9.426	56	244546	1484.63	ug/kg#	39
46) Cyclohexane	9.426	56	244546	59.37	ug/kg	93
47) carbon tetrachloride	9.481	117	254851	58.67	ug/kg	98
48) 1,1-dichloropropene	9.287	75	231193	55.50	ug/kg	95
49) benzene	9.485	78	695541	53.34	ug/kg	100
50) 1,2-dichloroethane	8.991	62	192509	50.86	ug/kg	100
51) tert-amyl methyl ether	9.633	73	381725	51.81	ug/kg	93
52) heptane	9.998	43	214266	61.71	ug/kg	84
53) 2-Nitropropane	9.998	43	214266	60.34	ug/kg	99
54) trichloroethene	10.121	95	212444	54.08	ug/kg	95
55) 1,2-dichloropropane	10.074	63	162221	52.55	ug/kg	99
56) dibromomethane	10.047	93	104238	56.04	ug/kg	100
57) bromodichloromethane	10.160	83	229498	52.75	ug/kg	99
58) Methylcyclohexane	10.664	83	285163	58.02	ug/kg	98
59) 2-chloroethyl vinyl ether	10.532	63	42761	27.61	ug/kg	97
60) methyl methacrylate	10.250	69	68821	47.50	ug/kg	84
61) 1,4-dioxane	10.255	88	5090	225.43	ug/kg	88
62) cis-1,3-dichloropropene	10.785	75	273130	52.07	ug/kg	93
64) 4-methyl-2-pentanone	10.865	43	85958	49.47	ug/kg	88
65) toluene	11.550	92	491588	56.07	ug/kg	96
66) trans-1,3-dichloropropene	11.196	75	235162	55.09	ug/kg	97
67) 1,1,2-trichloroethane	11.367	83	119653	49.26	ug/kg	98
68) ethyl methacrylate	11.570	69	133475	49.43	ug/kg	84
70) tetrachloroethene	12.307	166	260995	61.99	ug/kg	98
71) 1,3-dichloropropane	11.606	76	207260	50.42	ug/kg	96
72) dibromochloromethane	11.887	129	199604	54.35	ug/kg	99
73) 1,2-dibromoethane	12.135	107	162617	52.00	ug/kg	100
74) 2-hexanone	11.721	43	52679	45.90	ug/kg	92
75) chlorobenzene	12.976	112	599168	52.12	ug/kg	95
76) 1-chlorohexane	12.873	91	273338	61.56	ug/kg	97
77) 1,1,1,2-tetrachloroethane	12.902	131	218970	54.44	ug/kg	99
78) ethylbenzene	13.146	91	927189	57.75	ug/kg	99
79) m,p-xylene	13.330	106	788043	115.19	ug/kg	99
80) o-xylene	13.743	106	381591	56.38	ug/kg	97
81) styrene	13.665	104	611600	56.04	ug/kg	94
82) bromoform	13.487	173	101552	55.30	ug/kg	100
83) cis-1,4-dichloro-2-butene	13.573	88	38660	48.21	ug/kg	92
84) trans-1,4-dichloro-2-b...	13.893	53	25659	53.34	ug/kg#	76
86) isopropylbenzene	14.108	105	953670	55.37	ug/kg	99
88) bromobenzene	14.395	156	282541	54.31	ug/kg	92
89) 1,1,2,2-tetrachloroethane	13.752	83	138778	48.69	ug/kg	97
90) 1,2,3-trichloropropane	13.894	75	140469	49.77	ug/kg	98
91) n-propylbenzene	14.555	91	1031483	55.08	ug/kg	99
92) 2-chlorotoluene	14.676	91	617430	52.36	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72965.D
Acq On : 8 Aug 2013 4:14 pm
Operator : GaryK
Sample : mc23133-1msd
Misc : ms29620,msk2375,6.11,,100,10,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 09 07:44:26 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

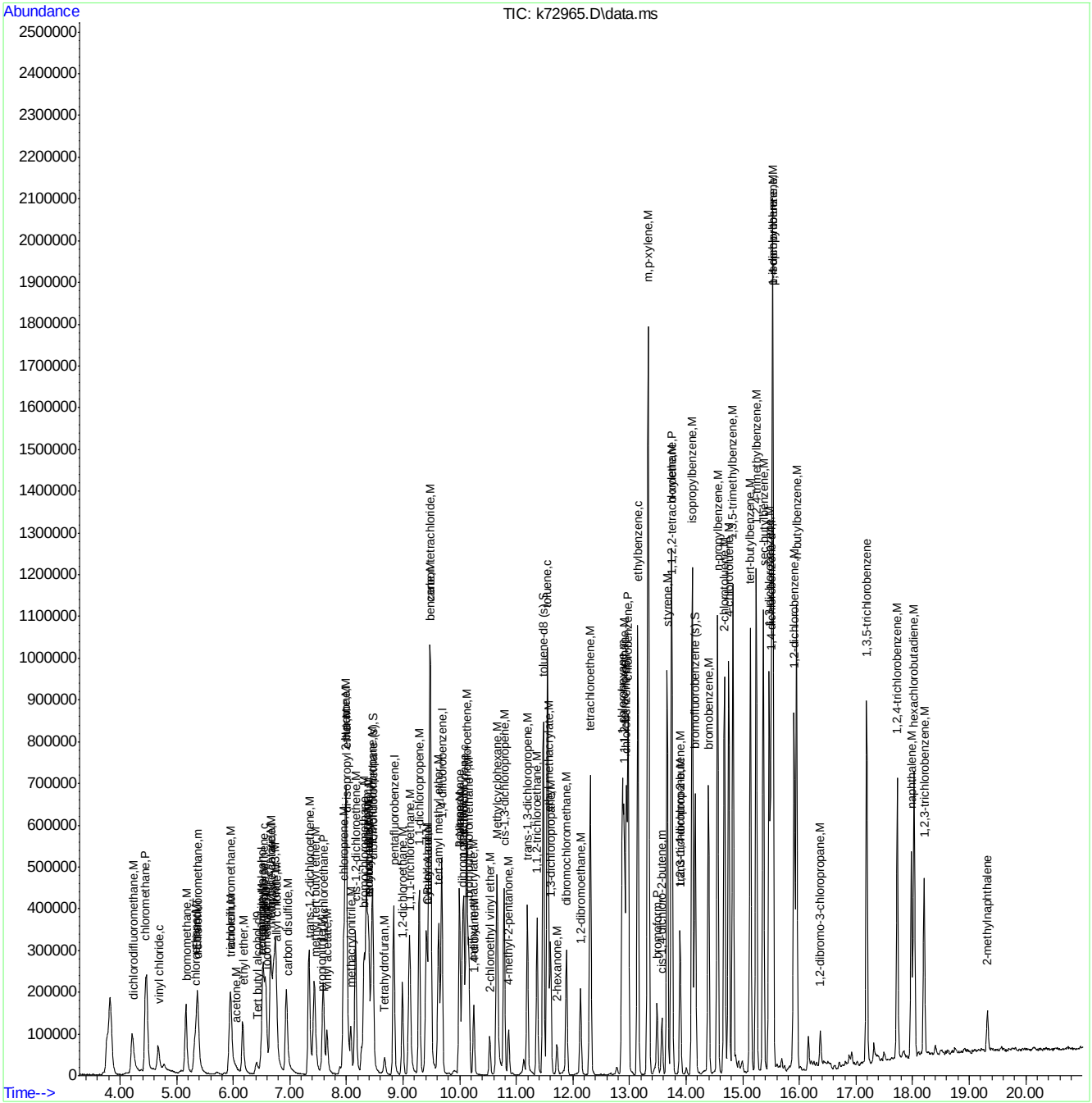
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.752	91	644552	53.91	ug/kg	96
94)	1,3,5-trimethylbenzene	14.826	105	772710	55.26	ug/kg	97
95)	tert-butylbenzene	15.133	91	398989	54.04	ug/kg	93
96)	1,2,4-trimethylbenzene	15.237	105	820076	57.74	ug/kg	97
97)	sec-butylbenzene	15.362	105	976172	55.28	ug/kg	98
98)	1,3-dichlorobenzene	15.466	146	516889	52.21	ug/kg	97
99)	p-isopropyltoluene	15.529	119	818379	58.77	ug/kg	97
100)	1,4-dichlorobenzene	15.528	146	508161	53.74	ug/kg	96
101)	1,2-dichlorobenzene	15.906	146	467554	51.60	ug/kg	98
102)	n-butylbenzene	15.950	91	715724	58.29	ug/kg	99
103)	1,2-dibromo-3-chloropr...	16.370	75	16724	42.82	ug/kg	98
104)	1,3,5-trichlorobenzene	17.188	180	344452	60.40	ug/kg	100
105)	1,2,4-trichlorobenzene	17.729	180	261616	52.60	ug/kg	97
106)	hexachlorobutadiene	18.025	225	167830	58.30	ug/kg	98
107)	naphthalene	17.977	128	491446	62.50	ug/kg	100
108)	1,2,3-trichlorobenzene	18.203	180	173799	49.53	ug/kg	96
109)	2-methylnaphthalene	19.321	142	61143	29.47	ug/kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72965.D
Acq On : 8 Aug 2013 4:14 pm
Operator : GaryK
Sample : mc23133-1msd
Misc : ms29620,msk2375,6.11,,100,10,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 09 07:44:26 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72994.D
Acq On : 9 Aug 2013 12:57 pm
Operator : GaryK
Sample : mc23228-1ms
Misc : ms29626,msk2376,11.134,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 09 14:51:07 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.430	65	64227	500.00	ug/kg	0.00
4) pentafluorobenzene	8.841	168	369554	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.687	114	523551	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.942	82	215089	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.502	152	258792	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.471	113	195810	51.18	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.36%			
63) toluene-d8 (s)	11.479	98	705540	53.75	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.50%			
87) bromofluorobenzene (s)	14.161	95	253144	51.18	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.36%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.514	59	87245	530.85	ug/kg	88
3) Ethanol	5.381	45	91128	4409.36	ug/kg#	100
5) dichlorodifluoromethane	4.246	85	211552	52.96	ug/kg	96
6) chloromethane	4.455	50	175574	74.44	ug/kg	98
7) vinyl chloride	4.694	62	91350	46.86	ug/kg	98
8) bromomethane	5.177	96	156656	55.38	ug/kg	97
9) chloroethane	5.340	64	97821	57.97	ug/kg	92
10) dichlorofluoromethane	5.386	67	300235	58.72	ug/kg	100
11) ethyl ether	6.186	59	104694	52.27	ug/kg	96
12) acetonitrile	6.512	41	18405	43.63	ug/kg	75
13) trichlorofluoromethane	5.968	101	317088	54.71	ug/kg	99
14) freon-113	6.735	101	195562	60.75	ug/kg	97
15) acrolein	5.961	56	2491	20.00	ug/kg	95
16) 1,1-dichloroethene	6.549	96	184995	58.45	ug/kg	91
17) acetone	6.057	43	26427	48.73	ug/kg	92
18) Methyl Acetate	6.677	43	96553	39.30	ug/kg	94
19) methylene chloride	6.687	84	187444	53.93	ug/kg	90
20) methyl tert butyl ether	7.454	73	367750	51.68	ug/kg	99
21) acrylonitrile	6.554	53	34767	52.85	ug/kg	92
22) allyl chloride	6.773	41	232544	57.43	ug/kg	87
23) trans-1,2-dichloroethene	7.352	96	205996	54.54	ug/kg	95
24) iodomethane	6.596	142	363862	57.49	ug/kg	93
25) carbon disulfide	6.965	76	518105	59.14	ug/kg	100
26) propionitrile	7.568	54	12596	51.10	ug/kg	100
27) vinyl acetate	7.665	43	200284	42.38	ug/kg	96
28) chloroprene	7.962	53	239294	63.90	ug/kg	98
29) di-isopropyl ether	8.011	45	462606	51.56	ug/kg	90
30) methacrylonitrile	8.085	41	70083	47.61	ug/kg	82
31) 2-butanone	7.987	72	13488	51.38	ug/kg#	1
32) Hexane	7.995	41	242358	57.97	ug/kg#	81
33) 1,1-dichloroethane	7.604	63	286577	60.05	ug/kg	99
34) tert-butyl ethyl ether	8.402	59	403928	53.81	ug/kg	96
35) isobutyl alcohol	8.408	43	63447	261.08	ug/kg	93
36) 2,2-dichloropropane	8.461	77	238923	69.41	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72994.D
Acq On : 9 Aug 2013 12:57 pm
Operator : GaryK
Sample : mc23228-1ms
Misc : ms29626,msk2376,11.134,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 09 14:51:07 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.172	96	221343	52.45	ug/kg	96
38) ethyl acetate	8.407	43	61911	51.06	ug/kg	93
39) bromochloromethane	8.321	128	120334	58.12	ug/kg	98
40) chloroform	8.361	83	324255	58.47	ug/kg	95
42) Tetrahydrofuran	8.678	42	26791	46.76	ug/kg	98
43) 1,1,1-trichloroethane	9.127	97	300538	60.27	ug/kg	97
44) n-Butyl Alcohol	9.428	56	252610	1515.55	ug/kg#	35
46) Cyclohexane	9.428	56	252370	61.60	ug/kg	96
47) carbon tetrachloride	9.484	117	265918	61.55	ug/kg	99
48) 1,1-dichloropropene	9.290	75	241487	58.28	ug/kg	95
49) benzene	9.488	78	686209	52.90	ug/kg	98
50) 1,2-dichloroethane	8.993	62	200501	53.25	ug/kg	99
51) tert-amyl methyl ether	9.637	73	389912	53.20	ug/kg	94
52) heptane	9.999	43	246575	71.40	ug/kg	87
53) 2-Nitropropane	9.999	43	246575	69.80	ug/kg	97
54) trichloroethene	10.124	95	210134	53.77	ug/kg	95
55) 1,2-dichloropropane	10.076	63	162928	53.06	ug/kg	99
56) dibromomethane	10.049	93	108682	58.74	ug/kg	95
57) bromodichloromethane	10.162	83	236515	54.65	ug/kg	99
58) Methylcyclohexane	10.671	83	306373	62.66	ug/kg	97
59) 2-chloroethyl vinyl ether	10.533	63	45262	29.38	ug/kg	97
60) methyl methacrylate	10.252	69	75168	52.15	ug/kg	81
61) 1,4-dioxane	10.251	88	5382	239.63	ug/kg	94
62) cis-1,3-dichloropropene	10.787	75	284368	54.50	ug/kg	95
64) 4-methyl-2-pentanone	10.868	43	93879	54.31	ug/kg	88
65) toluene	11.551	92	491147	56.32	ug/kg	95
66) trans-1,3-dichloropropene	11.197	75	249491	58.76	ug/kg	96
67) 1,1,2-trichloroethane	11.369	83	126496	52.36	ug/kg	97
68) ethyl methacrylate	11.572	69	145620	54.21	ug/kg	85
70) tetrachloroethene	12.309	166	275986	66.18	ug/kg	98
71) 1,3-dichloropropane	11.608	76	215387	52.90	ug/kg	99
72) dibromochloromethane	11.888	129	211337	58.10	ug/kg	99
73) 1,2-dibromoethane	12.137	107	174403	56.30	ug/kg	99
74) 2-hexanone	11.721	43	57916	50.95	ug/kg	96
75) chlorobenzene	12.977	112	609680	53.54	ug/kg	97
76) 1-chlorohexane	12.874	91	285511	64.91	ug/kg#	70
77) 1,1,1,2-tetrachloroethane	12.904	131	220868	55.43	ug/kg	97
78) ethylbenzene	13.148	91	928777	58.40	ug/kg	98
79) m,p-xylene	13.331	106	786157	116.01	ug/kg	99
80) o-xylene	13.744	106	374372	55.84	ug/kg	100
81) styrene	13.667	104	622335	57.57	ug/kg	95
82) bromoform	13.488	173	109794	60.36	ug/kg	95
83) cis-1,4-dichloro-2-butene	13.574	88	47410	59.61	ug/kg	92
84) trans-1,4-dichloro-2-b...	13.893	53	35691	74.90	ug/kg	96
86) isopropylbenzene	14.109	105	958642	55.38	ug/kg	100
88) bromobenzene	14.396	156	277629	53.09	ug/kg	93
89) 1,1,2,2-tetrachloroethane	13.753	83	148581	51.87	ug/kg	80
90) 1,2,3-trichloropropane	13.895	75	155708	54.89	ug/kg	98
91) n-propylbenzene	14.556	91	1017230	54.04	ug/kg	99
92) 2-chlorotoluene	14.677	91	619358	52.26	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72994.D
Acq On : 9 Aug 2013 12:57 pm
Operator : GaryK
Sample : mc23228-1ms
Misc : ms29626,msk2376,11.134,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 09 14:51:07 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

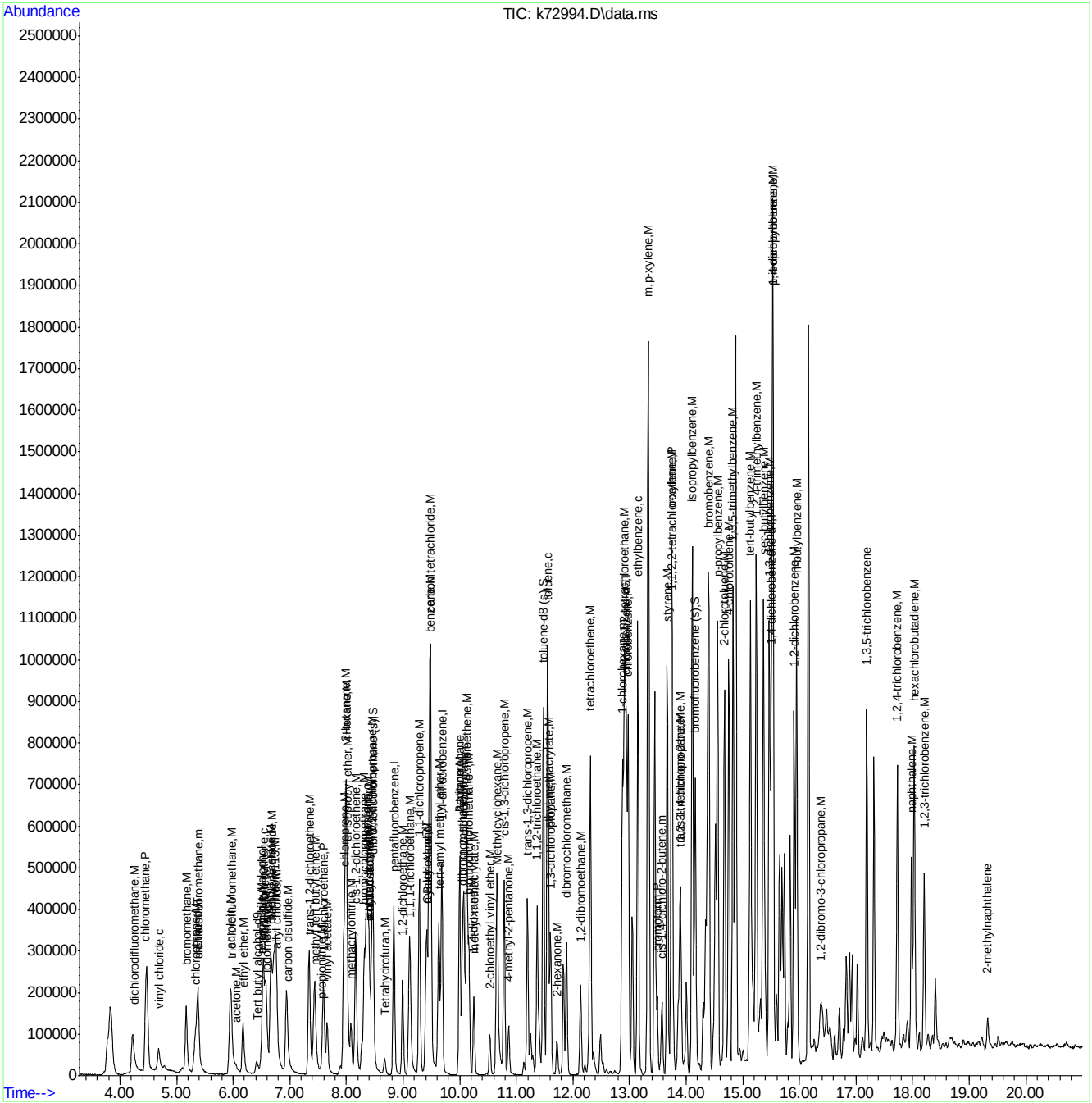
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.754	91	650287	54.12	ug/kg	95
94)	1,3,5-trimethylbenzene	14.828	105	777255	55.31	ug/kg	98
95)	tert-butylbenzene	15.135	91	399742	53.86	ug/kg	92
96)	1,2,4-trimethylbenzene	15.239	105	776007	54.36	ug/kg	99
97)	sec-butylbenzene	15.364	105	978476	55.13	ug/kg	99
98)	1,3-dichlorobenzene	15.467	146	515744	51.83	ug/kg	98
99)	p-isopropyltoluene	15.531	119	822283	58.76	ug/kg	97
100)	1,4-dichlorobenzene	15.530	146	516945	54.39	ug/kg	95
101)	1,2-dichlorobenzene	15.908	146	465350	51.10	ug/kg	98
102)	n-butylbenzene	15.951	91	711375	57.65	ug/kg	99
103)	1,2-dibromo-3-chloropr...	16.372	75	18167	46.28	ug/kg	95
104)	1,3,5-trichlorobenzene	17.190	180	338729	59.09	ug/kg	100
105)	1,2,4-trichlorobenzene	17.731	180	262975	52.61	ug/kg	100
106)	hexachlorobutadiene	18.027	225	175863	60.79	ug/kg	98
107)	naphthalene	17.979	128	402985	50.99	ug/kg	100
108)	1,2,3-trichlorobenzene	18.205	180	178884	50.72	ug/kg	98
109)	2-methylnaphthalene	19.323	142	43878	21.04	ug/kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72994.D
Acq On : 9 Aug 2013 12:57 pm
Operator : GaryK
Sample : mc23228-1ms
Misc : ms29626,msk2376,11.134,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 09 14:51:07 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72995.D
Acq On : 9 Aug 2013 1:24 pm
Operator : GaryK
Sample : mc23228-1msd
Misc : ms29626,msk2376,11.134,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 09 14:52:38 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.423	65	55114	500.00	ug/kg	0.00
4) pentafluorobenzene	8.839	168	366266	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.685	114	527173	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.941	82	212604	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	253183	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.468	113	187992	49.58	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.16%			
63) toluene-d8 (s)	11.478	98	680809	51.51	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.02%			
87) bromofluorobenzene (s)	14.160	95	245031	50.63	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.26%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.509	59	78151	554.14	ug/kg	86
3) Ethanol	5.368	45	81427	4591.43	ug/kg#	100
5) dichlorodifluoromethane	4.238	85	203086	51.29	ug/kg	99
6) chloromethane	4.450	50	177397	76.19	ug/kg	98
7) vinyl chloride	4.687	62	96233	49.80	ug/kg	97
8) bromomethane	5.172	96	155449	55.45	ug/kg	97
9) chloroethane	5.332	64	94789	56.68	ug/kg	94
10) dichlorofluoromethane	5.379	67	293461	57.91	ug/kg	100
11) ethyl ether	6.179	59	98377	49.56	ug/kg	100
12) acetonitrile	6.506	41	19626	46.94	ug/kg	94
13) trichlorofluoromethane	5.962	101	303753	52.88	ug/kg	97
14) freon-113	6.731	101	186264	58.38	ug/kg	90
15) acrolein	5.954	56	2189	17.73	ug/kg	95
16) 1,1-dichloroethene	6.543	96	178890	57.03	ug/kg	93
17) acetone	6.054	43	25039	46.58	ug/kg	89
18) Methyl Acetate	6.669	43	82009	33.68	ug/kg	92
19) methylene chloride	6.680	84	181451	52.68	ug/kg	90
20) methyl tert butyl ether	7.452	73	341230	48.38	ug/kg	97
21) acrylonitrile	6.549	53	30664	47.03	ug/kg	81
22) allyl chloride	6.769	41	226561	56.46	ug/kg	87
23) trans-1,2-dichloroethene	7.348	96	198700	53.08	ug/kg	97
24) iodomethane	6.590	142	354860	56.57	ug/kg	96
25) carbon disulfide	6.958	76	498137	57.38	ug/kg	99
26) propionitrile	7.568	54	10820	44.29	ug/kg	100
27) vinyl acetate	7.662	43	180173	38.46	ug/kg	96
28) chloroprene	7.959	53	226418	61.00	ug/kg	95
29) di-isopropyl ether	8.008	45	447238	50.30	ug/kg	91
30) methacrylonitrile	8.081	41	62928	43.13	ug/kg	87
31) 2-butanone	7.982	72	12272	47.17	ug/kg#	1
32) Hexane	7.992	41	235204	56.76	ug/kg#	82
33) 1,1-dichloroethane	7.600	63	279106	59.01	ug/kg	98
34) tert-butyl ethyl ether	8.398	59	384558	51.69	ug/kg	98
35) isobutyl alcohol	8.403	43	60448	250.98	ug/kg	87
36) 2,2-dichloropropane	8.458	77	229249	67.20	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72995.D
Acq On : 9 Aug 2013 1:24 pm
Operator : GaryK
Sample : mc23228-1msd
Misc : ms29626,msk2376,11.134,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 09 14:52:38 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	cis-1,2-dichloroethene	8.169	96	213643	51.08	ug/kg	95
38)	ethyl acetate	8.402	43	57512	47.85	ug/kg	93
39)	bromochloromethane	8.317	128	113252	55.19	ug/kg	97
40)	chloroform	8.357	83	315934	57.48	ug/kg	99
42)	Tetrahydrofuran	8.676	42	24020	42.30	ug/kg	84
43)	1,1,1-trichloroethane	9.125	97	290183	58.71	ug/kg	96
44)	n-Butyl Alcohol	9.425	56	239661	1450.77	ug/kg#	41
46)	Cyclohexane	9.425	56	239441	58.04	ug/kg	99
47)	carbon tetrachloride	9.481	117	257752	59.25	ug/kg	96
48)	1,1-dichloropropene	9.287	75	233919	56.07	ug/kg	95
49)	benzene	9.486	78	665235	50.93	ug/kg	99
50)	1,2-dichloroethane	8.991	62	188530	49.72	ug/kg	99
51)	tert-amyl methyl ether	9.635	73	368611	49.95	ug/kg	95
52)	heptane	9.998	43	241101	69.33	ug/kg	86
53)	2-Nitropropane	9.998	43	241101	67.78	ug/kg	97
54)	trichloroethene	10.121	95	203503	51.72	ug/kg	93
55)	1,2-dichloropropane	10.075	63	157586	50.96	ug/kg	98
56)	dibromomethane	10.047	93	100732	54.07	ug/kg	94
57)	bromodichloromethane	10.160	83	225350	51.71	ug/kg	98
58)	Methylcyclohexane	10.664	83	284253	57.74	ug/kg	97
59)	2-chloroethyl vinyl ether	10.532	63	41100	26.49	ug/kg	98
60)	methyl methacrylate	10.250	69	66378	45.74	ug/kg	83
61)	1,4-dioxane	10.249	88	4768	210.83	ug/kg	90
62)	cis-1,3-dichloropropene	10.785	75	269715	51.34	ug/kg	92
64)	4-methyl-2-pentanone	10.867	43	84259	48.41	ug/kg	88
65)	toluene	11.550	92	476690	54.28	ug/kg	98
66)	trans-1,3-dichloropropene	11.196	75	229967	53.79	ug/kg	93
67)	1,1,2-trichloroethane	11.368	83	116090	47.72	ug/kg	98
68)	ethyl methacrylate	11.570	69	128802	47.62	ug/kg	84
70)	tetrachloroethene	12.307	166	267273	64.84	ug/kg	98
71)	1,3-dichloropropane	11.606	76	200909	49.92	ug/kg	100
72)	dibromochloromethane	11.887	129	192636	53.57	ug/kg	99
73)	1,2-dibromoethane	12.136	107	156912	51.24	ug/kg	100
74)	2-hexanone	11.721	43	52199	46.46	ug/kg	96
75)	chlorobenzene	12.976	112	589316	52.35	ug/kg	96
76)	1-chlorohexane	12.873	91	275888	63.46	ug/kg#	71
77)	1,1,1,2-tetrachloroethane	12.903	131	210926	53.56	ug/kg	96
78)	ethylbenzene	13.147	91	902006	57.38	ug/kg	98
79)	m,p-xylene	13.330	106	759247	113.35	ug/kg	99
80)	o-xylene	13.744	106	360278	54.37	ug/kg	98
81)	styrene	13.666	104	599022	56.06	ug/kg	94
82)	bromoform	13.488	173	96251	53.53	ug/kg	99
83)	cis-1,4-dichloro-2-butene	13.574	88	41502	52.82	ug/kg	92
84)	trans-1,4-dichloro-2-b...	13.893	53	31108	66.05	ug/kg#	83
86)	isopropylbenzene	14.109	105	930546	54.95	ug/kg	99
88)	bromobenzene	14.395	156	264379	51.68	ug/kg	90
89)	1,1,2,2-tetrachloroethane	13.753	83	133138	47.51	ug/kg	82
90)	1,2,3-trichloropropane	13.895	75	137864	49.68	ug/kg	97
91)	n-propylbenzene	14.556	91	987526	53.62	ug/kg	99
92)	2-chlorotoluene	14.677	91	597213	51.51	ug/kg	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72995.D
Acq On : 9 Aug 2013 1:24 pm
Operator : GaryK
Sample : mc23228-1msd
Misc : ms29626,msk2376,11.134,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 09 14:52:38 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

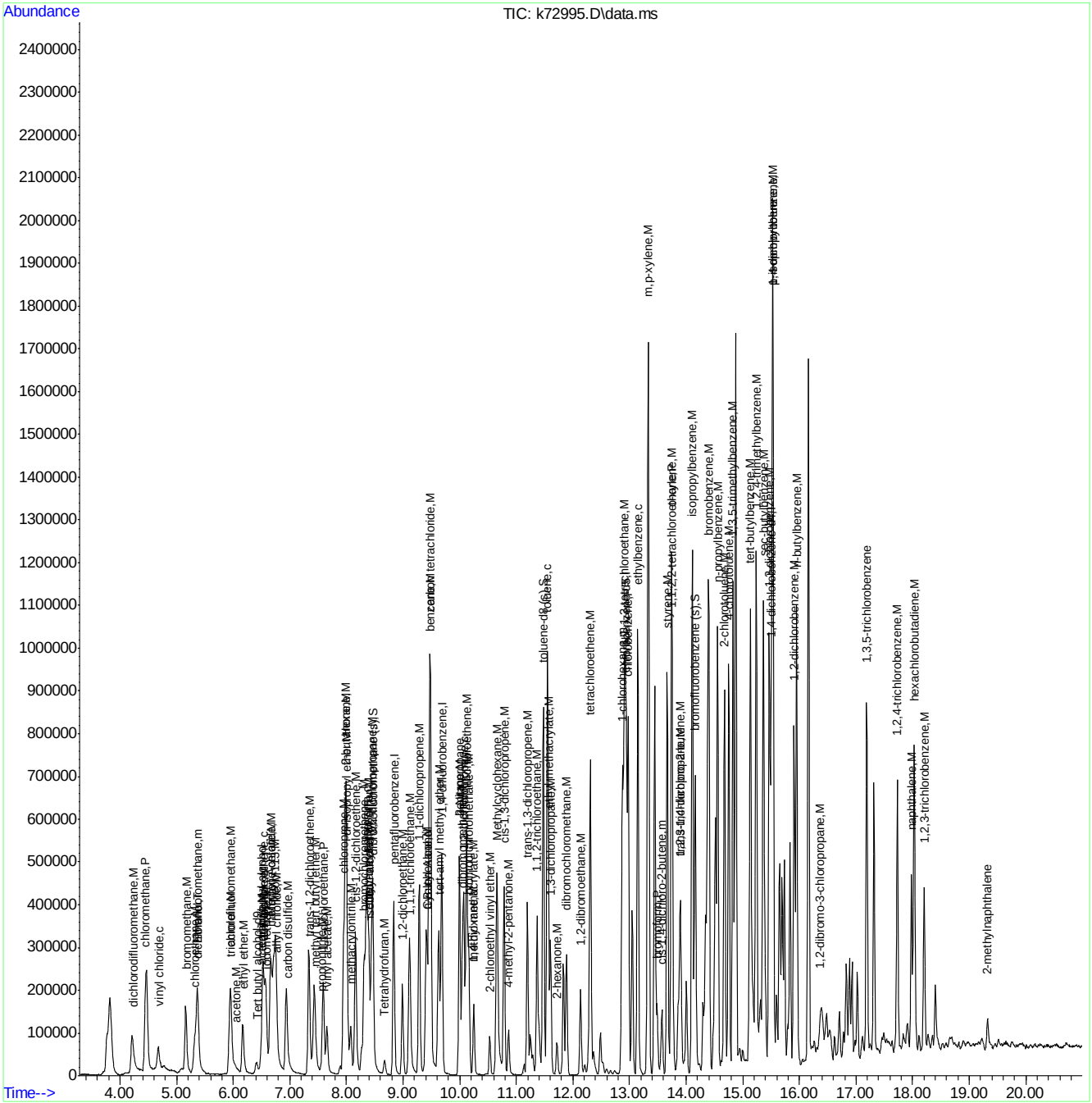
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.753	91	629884	53.58	ug/kg	97
94)	1,3,5-trimethylbenzene	14.827	105	751918	54.69	ug/kg	99
95)	tert-butylbenzene	15.135	91	390477	53.78	ug/kg	90
96)	1,2,4-trimethylbenzene	15.239	105	757878	54.27	ug/kg	99
97)	sec-butylbenzene	15.363	105	954258	54.96	ug/kg	99
98)	1,3-dichlorobenzene	15.467	146	496705	51.03	ug/kg	96
99)	p-isopropyltoluene	15.530	119	805224	58.81	ug/kg	97
100)	1,4-dichlorobenzene	15.529	146	493183	53.04	ug/kg	96
101)	1,2-dichlorobenzene	15.908	146	437485	49.11	ug/kg	98
102)	n-butylbenzene	15.951	91	707468	58.60	ug/kg	97
103)	1,2-dibromo-3-chloropr...	16.370	75	15446	40.22	ug/kg	94
104)	1,3,5-trichlorobenzene	17.190	180	324534	57.87	ug/kg	99
105)	1,2,4-trichlorobenzene	17.730	180	244402	49.98	ug/kg	100
106)	hexachlorobutadiene	18.027	225	171870	60.72	ug/kg	96
107)	naphthalene	17.979	128	353012	45.66	ug/kg	100
108)	1,2,3-trichlorobenzene	18.205	180	160402	46.49	ug/kg	99
109)	2-methylnaphthalene	19.323	142	41991	20.58	ug/kg	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72995.D
Acq On : 9 Aug 2013 1:24 pm
Operator : GaryK
Sample : mc23228-1msd
Misc : ms29626,msk2376,11.134,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

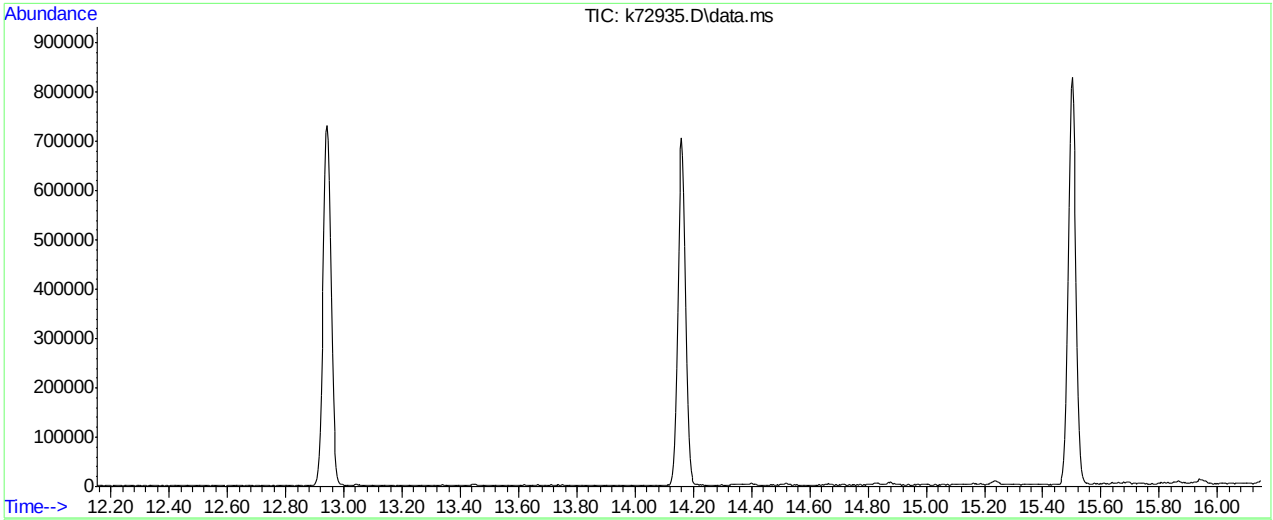
Quant Time: Aug 09 14:52:38 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



SW-846 Method 8260

Data File : C:\msdchem\1\data\130807\k72935.D Vial: 31
Acq On : 7 Aug 2013 9:55 pm Operator: GaryK
Sample : bfb Inst : MSK
Misc : ms29614,msk2374,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\K130807S.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 3080

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.5	18808	PASS
75	95	30	60	41.7	50640	PASS
95	95	100	100	100.0	121560	PASS
96	95	5	9	7.3	8840	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	100.0	121568	PASS
175	174	5	9	7.5	9116	PASS
176	174	95	101	96.3	117056	PASS
177	176	5	9	6.8	7928	PASS

k72935.D K130807S.m Thu Aug 08 07:51:25 2013

Scan 3080 (14.153 min): k72935.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	721	51.10	5448	68.10	10064	80.00	785
37.10	5150	52.10	350	69.10	10483	81.00	2553
38.10	4375	55.10	389	70.10	1138	82.00	647
39.10	1649	56.10	1549	72.10	537	87.00	5258
40.00	230	57.10	2447	73.10	4163	88.00	4933
44.10	1168	60.00	971	74.10	16170	91.00	307
45.10	905	61.10	4138	75.10	50640	92.10	2783
47.10	1255	62.10	4248	76.10	4208	93.10	4607
47.90	738	63.10	3026	77.00	561	94.10	13252
49.10	3319	64.00	415	77.80	364	95.10	121560
50.10	18808	65.00	312	79.00	2254	96.10	8840

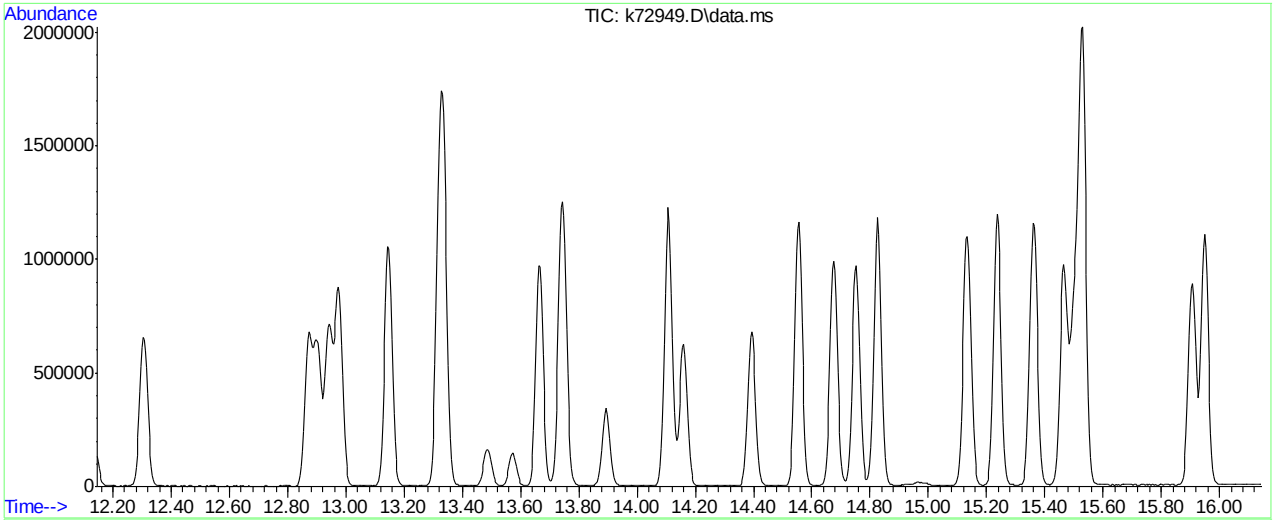
Scan 3080 (14.153 min): k72935.D\data.ms
bfb

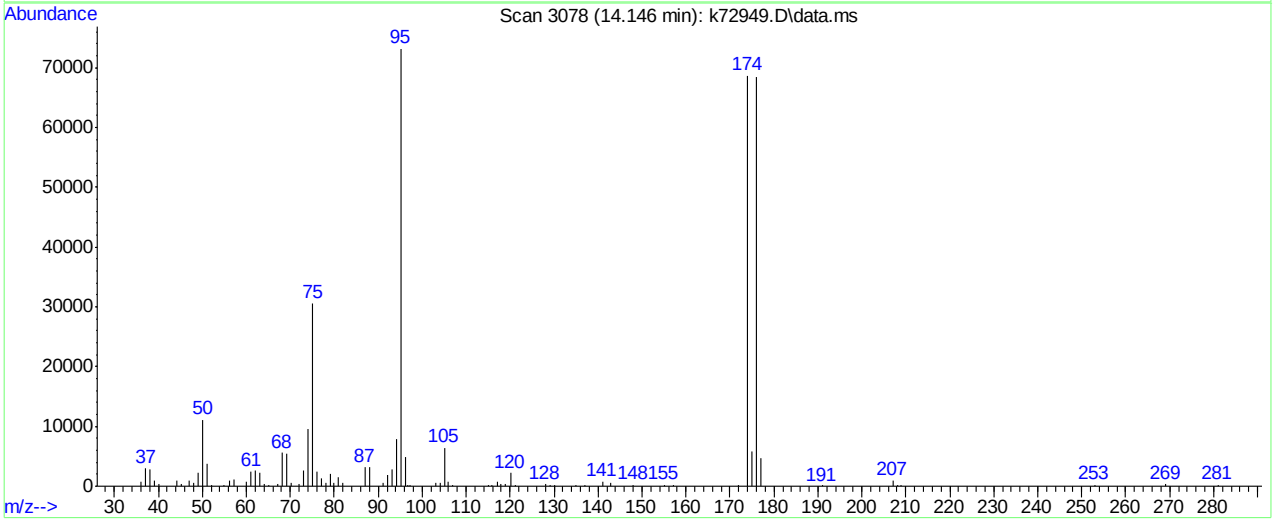
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.10	491	126.90	165	147.80	482	193.00	216
103.90	448	128.00	600	149.90	176	207.10	534
105.00	178	129.20	156	155.00	458	268.90	164
106.00	641	130.00	453	156.90	157	281.00	180
112.90	183	130.90	184	158.90	189		
114.80	212	135.00	233	172.00	908		
115.80	384	136.90	311	174.00	121568		
116.90	849	141.00	1036	175.00	9116		
118.00	446	143.00	1379	176.00	117056		
119.00	731	145.00	152	177.00	7928		
125.80	247	145.90	233	178.00	197		

SW-846 Method 8260

```
Data File : C:\msdchem\1\data\130808\k72949.D          Vial: 2
Acq On    :  8 Aug 2013   8:58 am                  Operator: GaryK
Sample    : bfb                                    Inst    : MSK
Misc      : ms29620,msk2375,10,,100,10,1           Multiplr: 1.00
MS Integration Params: RTEINT.P

Method    : C:\msdchem\1\methods\K130807S.m (RTE Integrator)
Title     : SW-846 Method 8260
```





Spectrum Information: Scan 3078

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.2	11145	PASS
75	95	30	60	41.8	30560	PASS
95	95	100	100	100.0	73184	PASS
96	95	5	9	6.6	4861	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	93.8	68656	PASS
175	174	5	9	8.5	5814	PASS
176	174	95	101	99.8	68496	PASS
177	176	5	9	7.0	4777	PASS

k72949.D K130807S.m Thu Aug 08 10:15:26 2013

Scan 3078 (14.146 min): k72949.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	803	51.10	3823	67.10	329	79.00	1986
37.10	3025	52.10	248	68.10	5602	80.00	611
38.10	2905	55.00	262	69.10	5410	81.00	1526
39.10	906	56.10	879	70.10	570	81.90	485
40.00	383	57.10	1215	72.10	425	87.00	3218
44.10	888	60.10	664	73.10	2638	88.00	3142
45.10	468	61.10	2482	74.10	9479	91.00	663
47.10	886	62.10	2636	75.10	30560	92.00	1885
48.00	548	63.10	2236	76.00	2423	93.10	2852
49.10	2284	64.10	294	77.10	1239	94.10	7946
50.10	11145	65.10	187	78.10	621	95.10	73184

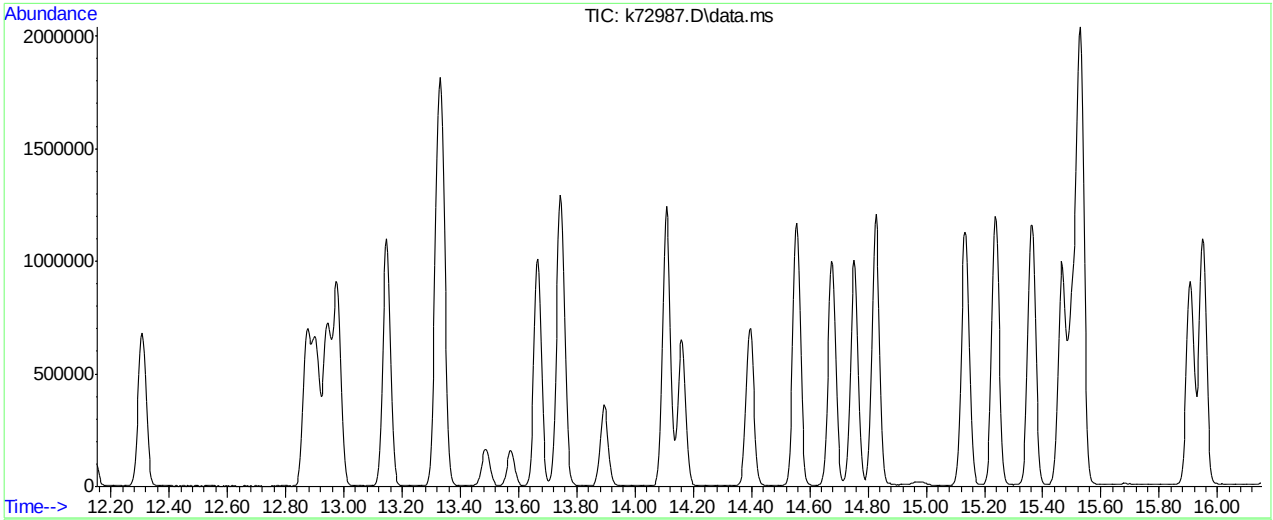
Scan 3078 (14.146 min): k72949.D\data.ms
bfb

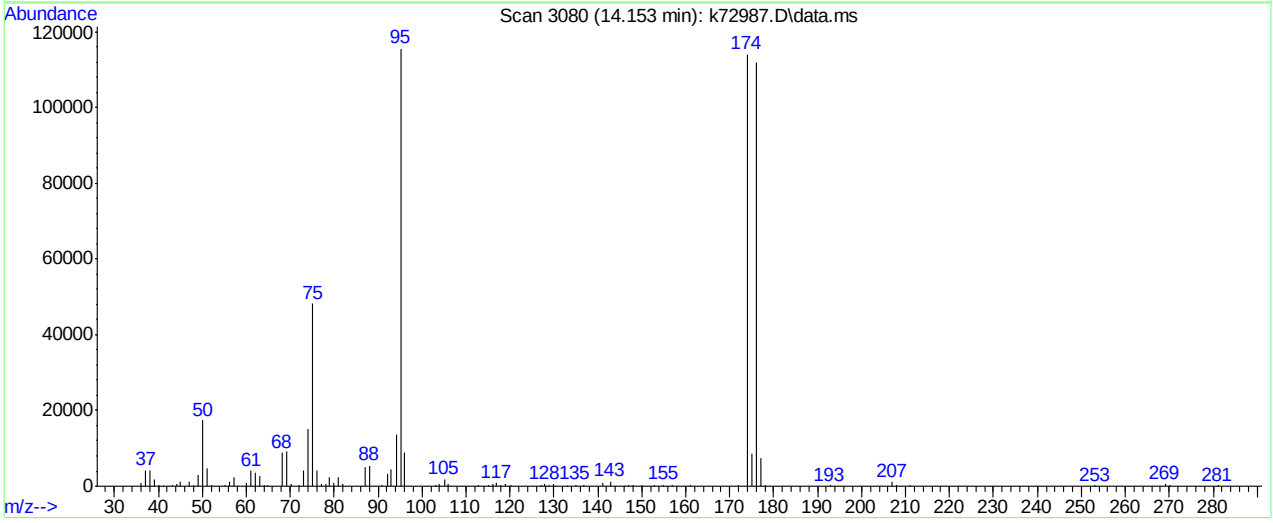
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.10	4861	117.90	371	148.00	225	208.90	169
96.80	190	118.90	428	155.00	221	252.90	212
97.20	184	120.10	2218	157.10	215	269.10	366
103.10	602	121.20	153	172.00	174	281.00	258
104.00	500	128.00	345	174.00	68656		
105.10	6468	129.10	215	175.00	5814		
105.90	710	130.00	192	176.00	68496		
106.80	183	135.00	171	177.00	4777		
115.00	188	136.90	204	191.00	178		
115.80	171	141.10	771	207.00	1033		
117.00	684	142.90	559	208.10	160		

SW-846 Method 8260

Data File : C:\msdchem\1\data\130809\k72987.D Vial: 2
Acq On : 9 Aug 2013 9:45 am Operator: GaryK
Sample : bfb Inst : MSK
Misc : ms29626,msk2376,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\K130807S.m (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Scan 3080

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.1	17432	PASS
75	95	30	60	41.7	48224	PASS
95	95	100	100	100.0	115568	PASS
96	95	5	9	7.8	8981	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	98.7	114008	PASS
175	174	5	9	7.6	8647	PASS
176	174	95	101	98.1	111800	PASS
177	176	5	9	6.7	7530	PASS

k72987.D K130807S.m Fri Aug 09 13:07:55 2013

Scan 3080 (14.153 min): k72987.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	901	49.10	3039	63.10	2774	77.00	748
37.10	4184	50.10	17432	64.10	454	78.00	731
38.10	4057	51.10	4757	64.90	215	79.00	2376
39.10	1918	52.10	344	68.10	8860	79.90	771
40.00	263	55.10	371	69.10	9052	80.90	2435
41.10	155	56.10	1152	70.10	592	81.90	599
43.20	319	57.10	2440	72.10	421	87.10	5105
44.10	740	58.10	154	73.10	4207	88.00	5355
45.00	1056	60.10	829	74.10	15056	90.90	446
47.10	1168	61.10	4049	75.10	48224	92.10	3162
48.10	385	62.10	3546	76.10	4033	93.00	4552

Scan 3080 (14.153 min): k72987.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.10	13588	118.00	434	142.90	1330	175.00	8647
95.10	115568	119.00	587	145.90	159	176.00	111800
96.10	8981	120.10	448	147.00	168	177.00	7530
103.10	368	127.00	197	148.00	364	178.00	226
103.90	515	127.90	474	150.00	161	192.90	208
105.10	1833	129.00	286	152.90	163	207.00	1058
106.00	685	129.90	466	155.00	362	208.00	312
112.80	170	133.00	156	156.90	216	211.10	180
115.10	183	134.90	312	160.90	178	253.10	232
116.00	529	136.90	325	172.00	221	269.20	549
117.00	760	141.10	969	174.00	114008	270.10	367

Scan 3080 (14.153 min): k72987.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
281.10	240						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72936.D
Acq On : 7 Aug 2013 10:23 pm
Operator : GaryK
Sample : ic2374-0.5
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 08 08:46:19 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

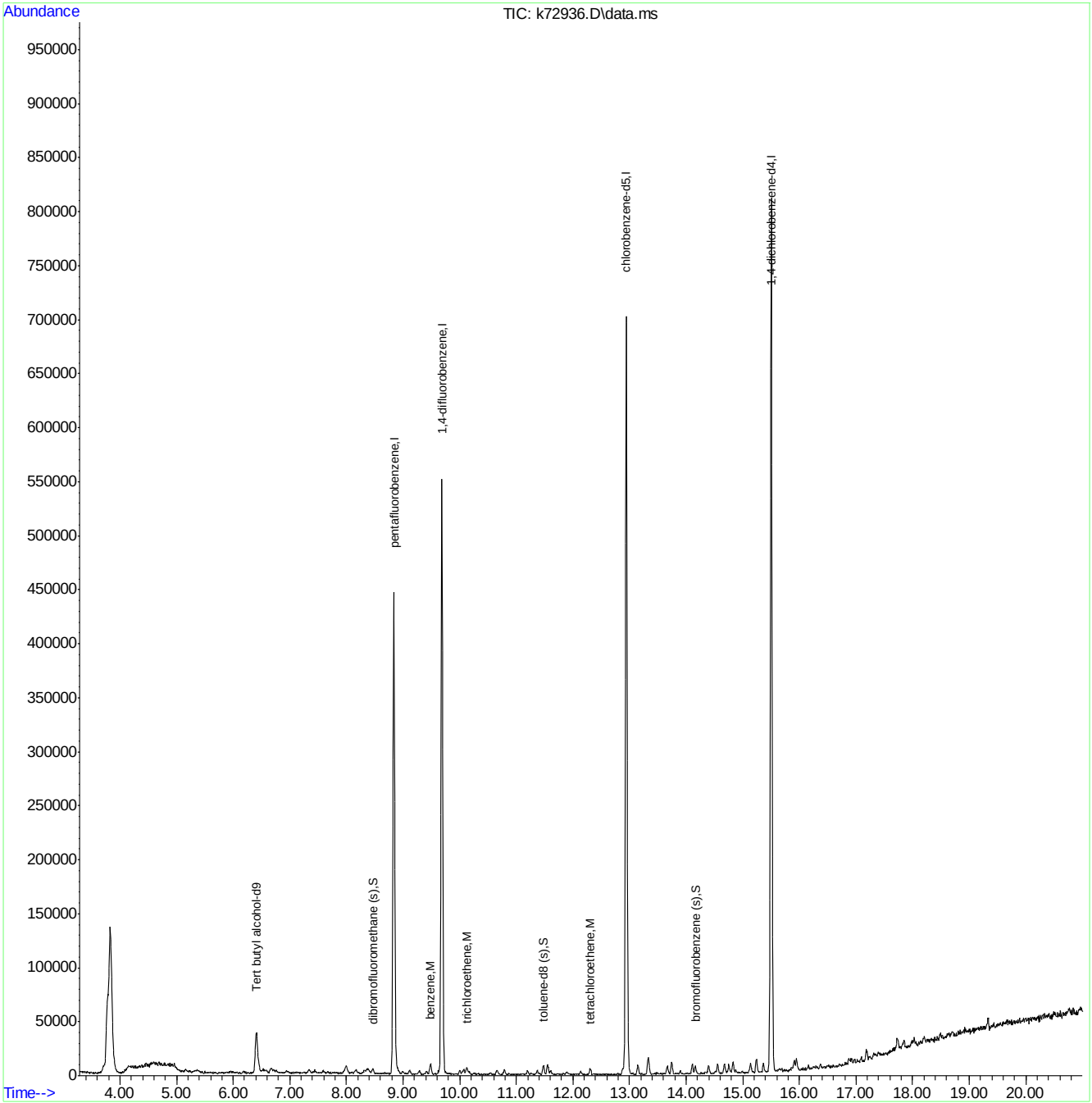
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.419	65	67803	500.00	ug/kg	0.00
4) pentafluorobenzene	8.839	168	393037	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.686	114	572194	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.943	82	224378	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.502	152	271694	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.469	113	2081	0.51	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.02%#			
63) toluene-d8 (s)	11.480	98	6905	0.47	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 0.94%#			
87) bromofluorobenzene (s)	14.162	95	2867	0.56	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.12%#			
Target Compounds						Qvalue
49) benzene	9.487	78	7989	0.54	ug/kg	89
54) trichloroethene	10.123	95	2237m	0.50	ug/kg	
70) tetrachloroethene	12.311	166	1992m	0.41	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72936.D
Acq On : 7 Aug 2013 10:23 pm
Operator : GaryK
Sample : ic2374-0.5
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 08 08:46:19 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/08/13 17:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72937.D
Acq On : 7 Aug 2013 10:51 pm
Operator : GaryK
Sample : ic2374-2
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 08 08:22:39 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.429	65	69339	500.00	ug/kg	0.00
4) pentafluorobenzene	8.839	168	383503	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.685	114	568425	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.943	82	222288	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	271268	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.468	113	8735	2.20	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.40%#		
63) toluene-d8 (s)	11.479	98	32406	2.23	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.46%#		
87) bromofluorobenzene (s)	14.161	95	10939	2.14	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.28%#		
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.509	59	2994	16.27	ug/kg#	58
3) Ethanol	5.341	45	3721	176.69	ug/kg#	100
5) dichlorodifluoromethane	4.237	85	7752	1.66	ug/kg	94
6) chloromethane	4.440	50	6375	1.96	ug/kg	90
7) vinyl chloride	4.674	62	3634	1.60	ug/kg	100
8) bromomethane	5.166	96	6051	2.00	ug/kg	84
9) chloroethane	5.327	64	3271	1.71	ug/kg	97
10) dichlorofluoromethane	5.376	67	9951	1.71	ug/kg	100
11) ethyl ether	6.180	59	3720	1.65	ug/kg	94
13) trichlorofluoromethane	5.960	101	11094	1.68	ug/kg	89
14) freon-113	6.720	101	6027	1.65	ug/kg#	63
15) acrolein	5.934	56	1025m	7.48	ug/kg	
16) 1,1-dichloroethene	6.540	96	6777	1.94	ug/kg	94
17) acetone	6.058	43	1151m	1.97	ug/kg	
18) Methyl Acetate	6.679	43	4906	1.81	ug/kg#	91
19) methylene chloride	6.674	84	6892	1.78	ug/kg	76
20) methyl tert butyl ether	7.451	73	13073	1.64	ug/kg	87
21) acrylonitrile	6.566	53	704m	0.99	ug/kg	
22) allyl chloride	6.763	41	7509	1.61	ug/kg	93
23) trans-1,2-dichloroethene	7.353	96	7969	1.92	ug/kg	95
24) iodomethane	6.584	142	11468	1.57	ug/kg	90
25) carbon disulfide	6.952	76	16051	1.59	ug/kg	86
27) vinyl acetate	7.679	43	7410	1.36	ug/kg	98
28) chloroprene	7.957	53	6552	1.51	ug/kg	84
29) di-isopropyl ether	8.007	45	16380	1.60	ug/kg	80
30) methacrylonitrile	8.089	41	2562	1.56	ug/kg	80
32) Hexane	7.995	41	9014	1.96	ug/kg#	87
33) 1,1-dichloroethane	7.598	63	9059	1.68	ug/kg	96
34) tert-butyl ethyl ether	8.396	59	13204	1.54	ug/kg	93
35) isobutyl alcohol	8.393	43	2304	8.36	ug/kg#	59
36) 2,2-dichloropropane	8.456	77	6817	1.77	ug/kg	91
37) cis-1,2-dichloroethene	8.170	96	9216	2.01	ug/kg	93
38) ethyl acetate	8.398	43	2131	1.62	ug/kg	66
39) bromochloromethane	8.318	128	3876	1.68	ug/kg	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72937.D
Acq On : 7 Aug 2013 10:51 pm
Operator : GaryK
Sample : ic2374-2
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 08 08:22:39 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) chloroform	8.357	83	10071	1.59	ug/kg	86
42) Tetrahydrofuran	8.683	42	1140m	1.89	ug/kg	
43) 1,1,1-trichloroethane	9.119	97	9395	1.65	ug/kg	90
44) n-Butyl Alcohol	9.416	56	7477	38.59	ug/kg	92
46) Cyclohexane	9.416	56	7478	1.51	ug/kg	84
47) carbon tetrachloride	9.477	117	8318	1.63	ug/kg	82
48) 1,1-dichloropropene	9.288	75	7691	1.58	ug/kg	95
49) benzene	9.487	78	25733	1.76	ug/kg	95
50) 1,2-dichloroethane	8.993	62	7028	1.62	ug/kg	97
51) tert-amyl methyl ether	9.632	73	11908m	1.40	ug/kg	
52) heptane	9.999	43	6642	1.61	ug/kg	83
53) 2-Nitropropane	9.999	43	6642	1.61	ug/kg	94
54) trichloroethene	10.122	95	7938	1.79	ug/kg#	78
55) 1,2-dichloropropane	10.076	63	5861	1.62	ug/kg	84
56) dibromomethane	10.049	93	3411	1.59	ug/kg	98
57) bromodichloromethane	10.160	83	8090	1.60	ug/kg	99
58) Methylcyclohexane	10.661	83	8461	1.44	ug/kg	95
59) 2-chloroethyl vinyl ether	10.536	63	2392	1.38	ug/kg#	42
60) methyl methacrylate	10.256	69	2069	1.28	ug/kg#	53
62) cis-1,3-dichloropropene	10.787	75	9195	1.48	ug/kg	90
64) 4-methyl-2-pentanone	10.870	43	2795	1.36	ug/kg#	39
65) toluene	11.551	92	16359	1.59	ug/kg	95
66) trans-1,3-dichloropropene	11.199	75	7108	1.40	ug/kg	94
67) 1,1,2-trichloroethane	11.369	83	4758	1.70	ug/kg	100
68) ethyl methacrylate	11.573	69	3499	1.14	ug/kg	84
70) tetrachloroethene	12.308	166	8333	1.74	ug/kg	87
71) 1,3-dichloropropane	11.608	76	7882	1.75	ug/kg	90
72) dibromochloromethane	11.888	129	5853	1.40	ug/kg	89
73) 1,2-dibromoethane	12.137	107	5565	1.60	ug/kg	96
74) 2-hexanone	11.728	43	1888m	1.48	ug/kg	
75) chlorobenzene	12.977	112	23601	1.87	ug/kg	97
76) 1-chlorohexane	12.874	91	7203	1.34	ug/kg	89
77) 1,1,1,2-tetrachloroethane	12.902	131	7556	1.65	ug/kg	93
78) ethylbenzene	13.148	91	30030	1.63	ug/kg	99
79) m,p-xylene	13.331	106	25542	3.26	ug/kg	99
80) o-xylene	13.743	106	12243	1.57	ug/kg	88
81) styrene	13.667	104	15769	1.25	ug/kg	99
82) bromoform	13.486	173	3018	1.47	ug/kg	95
83) cis-1,4-dichloro-2-butene	13.574	88	950m	1.15	ug/kg	
84) trans-1,4-dichloro-2-b...	13.895	53	633m	1.18	ug/kg	
86) isopropylbenzene	14.109	105	29812	1.47	ug/kg	97
88) bromobenzene	14.396	156	9215	1.58	ug/kg	90
89) 1,1,2,2-tetrachloroethane	13.751	83	5387	1.72	ug/kg	82
90) 1,2,3-trichloropropane	13.894	75	4877	1.55	ug/kg	95
91) n-propylbenzene	14.556	91	32494	1.47	ug/kg	98
92) 2-chlorotoluene	14.676	91	21267	1.57	ug/kg	99
93) 4-chlorotoluene	14.754	91	21371	1.55	ug/kg	94
94) 1,3,5-trimethylbenzene	14.827	105	24401	1.49	ug/kg	99
95) tert-butylbenzene	15.134	91	12989	1.48	ug/kg	92
96) 1,2,4-trimethylbenzene	15.239	105	25087	1.52	ug/kg	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72937.D
Acq On : 7 Aug 2013 10:51 pm
Operator : GaryK
Sample : ic2374-2
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 08 08:22:39 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

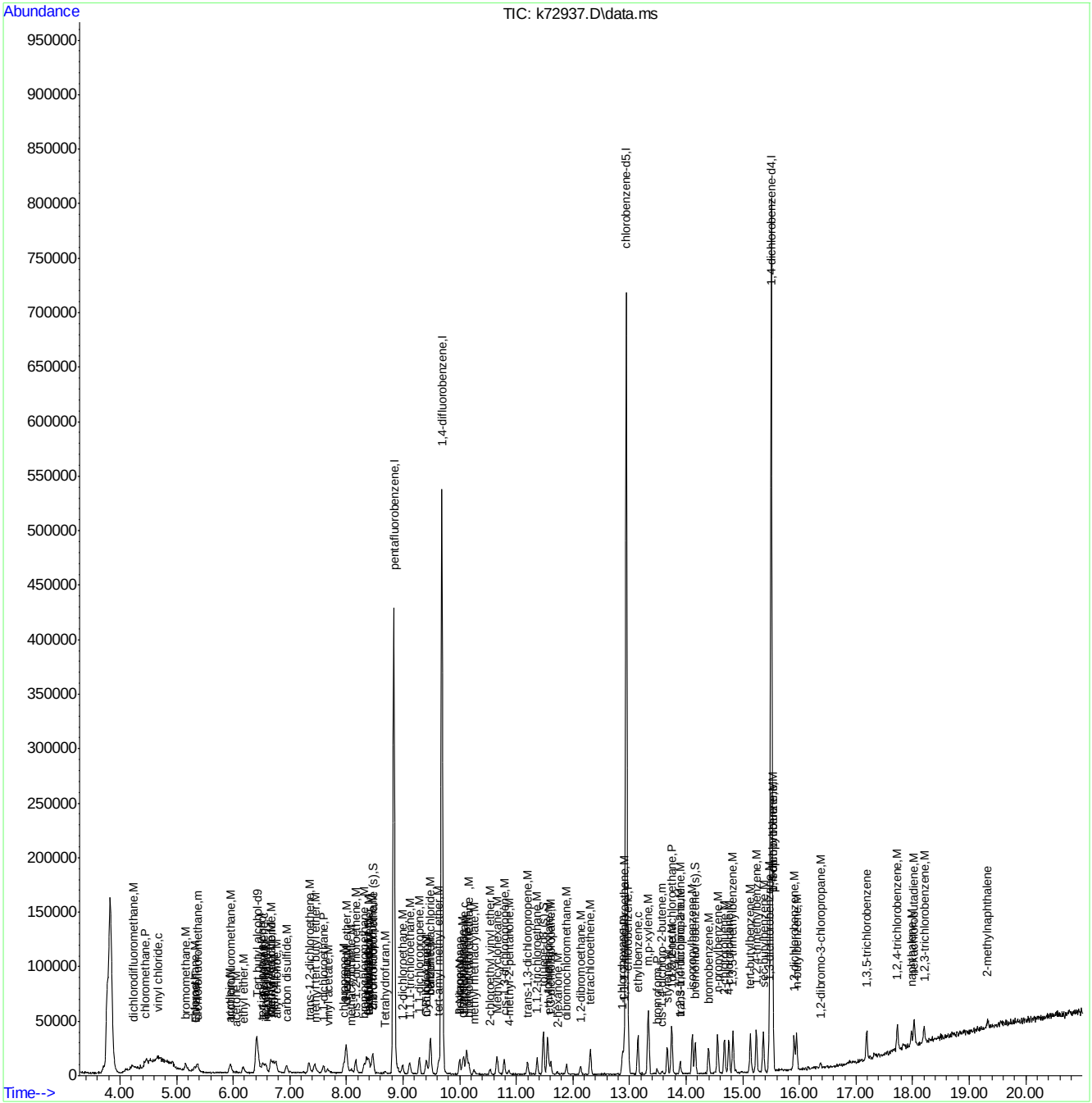
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	sec-butylbenzene	15.362	105	30561	1.47	ug/kg	98
98)	1,3-dichlorobenzene	15.467	146	18743	1.66	ug/kg	93
99)	p-isopropyltoluene	15.529	119	26123	1.64	ug/kg	93
100)	1,4-dichlorobenzene	15.528	146	18011	1.72	ug/kg	96
101)	1,2-dichlorobenzene	15.908	146	16273	1.57	ug/kg	97
102)	n-butylbenzene	15.950	91	21634	1.49	ug/kg	89
103)	1,2-dibromo-3-chloropr...	16.376	75	911m	2.29	ug/kg	
104)	1,3,5-trichlorobenzene	17.189	180	10094	1.52	ug/kg	95
105)	1,2,4-trichlorobenzene	17.729	180	8665	1.51	ug/kg	95
106)	hexachlorobutadiene	18.026	225	6324	1.97	ug/kg	94
107)	naphthalene	17.979	128	13344	1.47	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	6520	1.64	ug/kg	96
109)	2-methylnaphthalene	19.323	142	2932m	2.08	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72937.D
Acq On : 7 Aug 2013 10:51 pm
Operator : GaryK
Sample : ic2374-2
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 08 08:22:39 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/08/13 17:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72938.D
Acq On : 7 Aug 2013 11:19 pm
Operator : GaryK
Sample : ic2374-5
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 08 08:24:44 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.425	65	69128	500.00	ug/kg	0.00
4) pentafluorobenzene	8.838	168	379673	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.684	114	557092	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.942	82	222528	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	264932	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.466	113	21061	5.37	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.74%#			
63) toluene-d8 (s)	11.478	98	73161	5.13	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.26%#			
87) bromofluorobenzene (s)	14.161	95	26183	5.25	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.50%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.511	59	9446	51.50	ug/kg	83
3) Ethanol	5.341	45	9858	469.54	ug/kg#	100
5) dichlorodifluoromethane	4.233	85	21670	4.69	ug/kg	79
6) chloromethane	4.440	50	17986	5.59	ug/kg	100
7) vinyl chloride	4.675	62	10494	4.66	ug/kg	97
8) bromomethane	5.165	96	16393	5.46	ug/kg	94
9) chloroethane	5.327	64	9054	4.78	ug/kg	74
10) dichlorofluoromethane	5.374	67	28764	4.98	ug/kg	100
11) ethyl ether	6.178	59	10152	4.54	ug/kg	96
12) acetonitrile	6.500	41	2519	5.66	ug/kg	87
13) trichlorofluoromethane	5.958	101	33081	5.07	ug/kg	95
14) freon-113	6.724	101	18902	5.24	ug/kg	78
15) acrolein	5.927	56	2887	21.29	ug/kg	95
16) 1,1-dichloroethene	6.543	96	18055	5.22	ug/kg	96
17) acetone	6.049	43	3026	5.24	ug/kg	90
18) Methyl Acetate	6.679	43	13501	5.04	ug/kg#	97
19) methylene chloride	6.677	84	19567	5.09	ug/kg#	74
20) methyl tert butyl ether	7.450	73	36276	4.60	ug/kg	99
21) acrylonitrile	6.562	53	3133	4.45	ug/kg	77
22) allyl chloride	6.760	41	22087m	4.78	ug/kg	
23) trans-1,2-dichloroethene	7.347	96	21026	5.11	ug/kg	85
24) iodomethane	6.584	142	33515	4.63	ug/kg	90
25) carbon disulfide	6.953	76	48044	4.80	ug/kg	100
26) propionitrile	7.582	54	1057m	3.90	ug/kg	
27) vinyl acetate	7.673	43	23440	4.36	ug/kg	98
28) chloroprene	7.955	53	19457	4.53	ug/kg	90
29) di-isopropyl ether	8.007	45	49880	4.92	ug/kg	82
30) methacrylonitrile	8.089	41	7869	4.83	ug/kg	83
31) 2-butanone	7.991	72	1294m	4.52	ug/kg	
32) Hexane	7.993	41	24412	5.37	ug/kg#	69
33) 1,1-dichloroethane	7.596	63	26325	4.92	ug/kg	95
34) tert-butyl ethyl ether	8.394	59	38691	4.56	ug/kg	96
35) isobutyl alcohol	8.401	43	7228	26.50	ug/kg#	69
36) 2,2-dichloropropane	8.456	77	20135	5.29	ug/kg	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72938.D
Acq On : 7 Aug 2013 11:19 pm
Operator : GaryK
Sample : ic2374-5
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 08 08:24:44 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.165	96	22784	5.01	ug/kg	87
38) ethyl acetate	8.401	43	7228	5.57	ug/kg	72
39) bromochloromethane	8.316	128	11155	4.88	ug/kg	90
40) chloroform	8.356	83	30884	4.92	ug/kg	100
42) Tetrahydrofuran	8.679	42	3131	5.25	ug/kg	92
43) 1,1,1-trichloroethane	9.119	97	27105	4.80	ug/kg	93
44) n-Butyl Alcohol	9.420	56	22783	118.77	ug/kg	92
46) Cyclohexane	9.420	56	22783	4.69	ug/kg	87
47) carbon tetrachloride	9.477	117	24191	4.83	ug/kg	92
48) 1,1-dichloropropene	9.288	75	23136	4.84	ug/kg	97
49) benzene	9.485	78	74303	5.19	ug/kg	98
50) 1,2-dichloroethane	8.991	62	20666	4.87	ug/kg	99
51) tert-amyl methyl ether	9.642	73	43560	5.24	ug/kg	95
52) heptane	9.998	43	18250	4.52	ug/kg	85
53) 2-Nitropropane	9.998	43	18250	4.52	ug/kg	88
54) trichloroethene	10.122	95	21788	5.01	ug/kg	98
55) 1,2-dichloropropane	10.074	63	17360	4.91	ug/kg	97
56) dibromomethane	10.048	93	9932	4.74	ug/kg	91
57) bromodichloromethane	10.160	83	22782	4.58	ug/kg	97
58) Methylcyclohexane	10.662	83	25895	4.50	ug/kg	93
59) 2-chloroethyl vinyl ether	10.533	63	6623	3.90	ug/kg	96
60) methyl methacrylate	10.254	69	6545	4.14	ug/kg	80
62) cis-1,3-dichloropropene	10.786	75	26922	4.43	ug/kg	90
64) 4-methyl-2-pentanone	10.868	43	8377	4.16	ug/kg#	78
65) toluene	11.550	92	48737	4.83	ug/kg	94
66) trans-1,3-dichloropropene	11.198	75	21186	4.26	ug/kg	92
67) 1,1,2-trichloroethane	11.367	83	12691	4.63	ug/kg	92
68) ethyl methacrylate	11.573	69	11664	3.86	ug/kg#	67
70) tetrachloroethene	12.308	166	24188	5.06	ug/kg	95
71) 1,3-dichloropropane	11.607	76	23232	5.16	ug/kg	100
72) dibromochloromethane	11.887	129	18299	4.37	ug/kg	98
73) 1,2-dibromoethane	12.136	107	16209	4.65	ug/kg	97
74) 2-hexanone	11.725	43	5521	4.31	ug/kg#	56
75) chlorobenzene	12.977	112	65148	5.15	ug/kg	96
76) 1-chlorohexane	12.874	91	22410	4.18	ug/kg	89
77) 1,1,1,2-tetrachloroethane	12.902	131	22390	4.87	ug/kg	99
78) ethylbenzene	13.148	91	88336	4.78	ug/kg	100
79) m,p-xylene	13.331	106	75222	9.60	ug/kg	96
80) o-xylene	13.743	106	36452	4.68	ug/kg	98
81) styrene	13.667	104	49833	3.94	ug/kg	96
82) bromoform	13.487	173	8460	4.12	ug/kg	84
83) cis-1,4-dichloro-2-butene	13.574	88	2878	3.48	ug/kg	92
84) trans-1,4-dichloro-2-b...	13.895	53	2037	3.79	ug/kg#	70
86) isopropylbenzene	14.109	105	89310	4.50	ug/kg	98
88) bromobenzene	14.396	156	27460	4.82	ug/kg	93
89) 1,1,2,2-tetrachloroethane	13.752	83	15649	5.11	ug/kg	89
90) 1,2,3-trichloropropane	13.895	75	14070	4.58	ug/kg	91
91) n-propylbenzene	14.556	91	97821	4.52	ug/kg	94
92) 2-chlorotoluene	14.676	91	62862	4.74	ug/kg	99
93) 4-chlorotoluene	14.754	91	64170	4.78	ug/kg	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72938.D
Acq On : 7 Aug 2013 11:19 pm
Operator : GaryK
Sample : ic2374-5
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 08 08:24:44 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

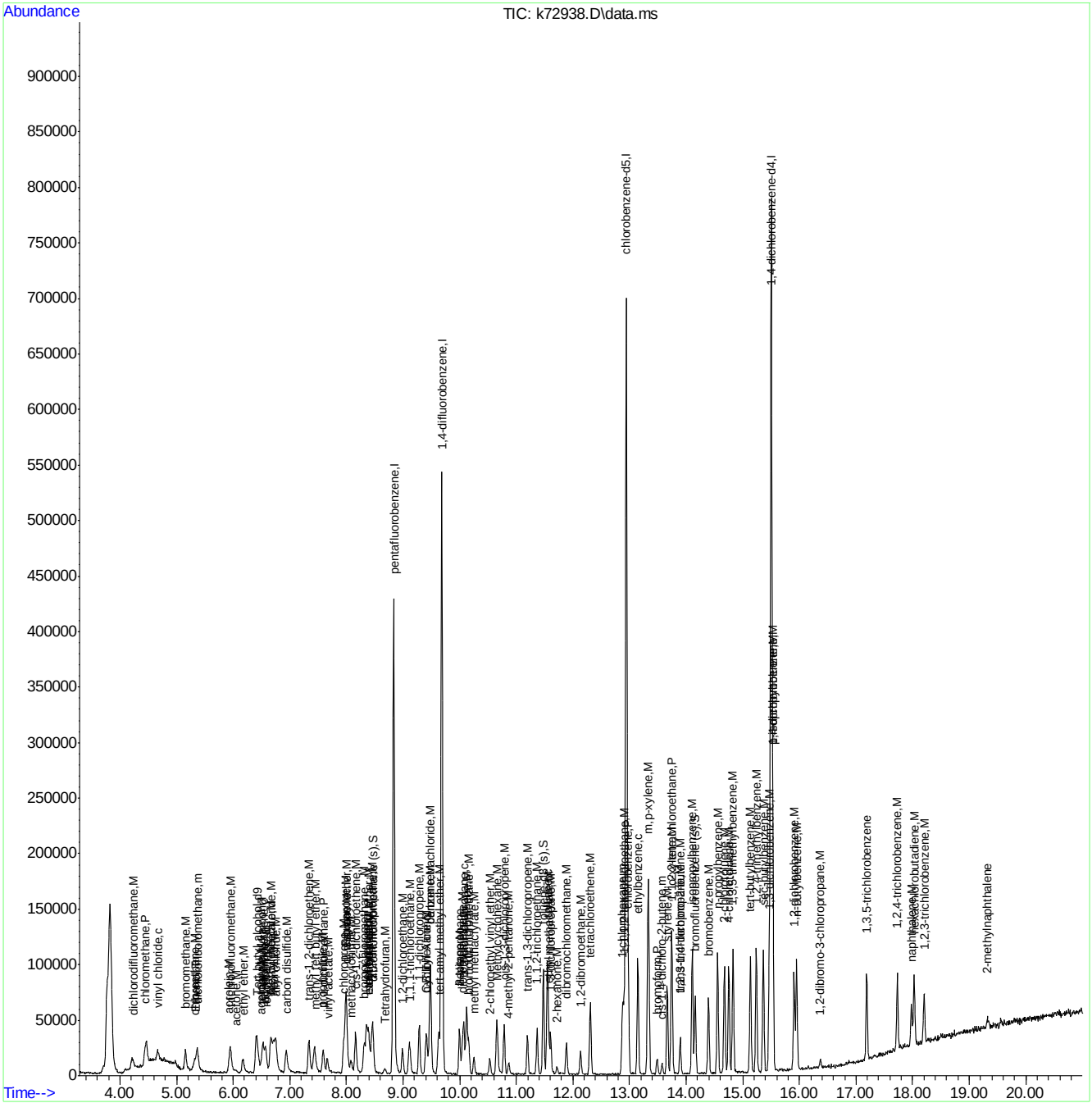
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	1,3,5-trimethylbenzene	14.827	105	73826	4.62	ug/kg	98
95)	tert-butylbenzene	15.134	91	38532	4.49	ug/kg	96
96)	1,2,4-trimethylbenzene	15.239	105	74081	4.58	ug/kg	100
97)	sec-butylbenzene	15.363	105	94602	4.67	ug/kg	94
98)	1,3-dichlorobenzene	15.467	146	51948	4.72	ug/kg	95
99)	p-isopropyltoluene	15.530	119	74879	4.81	ug/kg	94
100)	1,4-dichlorobenzene	15.529	146	51741	5.05	ug/kg	99
101)	1,2-dichlorobenzene	15.908	146	46132	4.57	ug/kg	95
102)	n-butylbenzene	15.952	91	64337	4.53	ug/kg	92
103)	1,2-dibromo-3-chloropr...	16.369	75	1897m	4.88	ug/kg	
104)	1,3,5-trichlorobenzene	17.189	180	29626	4.58	ug/kg	100
105)	1,2,4-trichlorobenzene	17.730	180	25414	4.53	ug/kg	87
106)	hexachlorobutadiene	18.026	225	15567	4.96	ug/kg	99
107)	naphthalene	17.979	128	38086	4.29	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	17234	4.43	ug/kg	90
109)	2-methylnaphthalene	19.323	142	5120m	3.71	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72938.D
Acq On : 7 Aug 2013 11:19 pm
Operator : GaryK
Sample : ic2374-5
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 08 08:24:44 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/08/13 17:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72939.D
Acq On : 7 Aug 2013 11:47 pm
Operator : GaryK
Sample : ic2374-25
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 08 08:26:35 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.431	65	68256	500.00	ug/kg	0.00
4) pentafluorobenzene	8.839	168	382522	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.685	114	560567	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.942	82	227609	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	271391	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.469	113	98080	24.81	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 49.62%#			
63) toluene-d8 (s)	11.478	98	351341	24.48	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 48.96%#			
87) bromofluorobenzene (s)	14.160	95	127349	24.90	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 49.80%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.514	59	45012	248.54	ug/kg	82
3) Ethanol	5.419	45	60806m	2933.19	ug/kg	
5) dichlorodifluoromethane	4.248	85	103395	22.19	ug/kg	98
6) chloromethane	4.450	50	77913	24.05	ug/kg	98
7) vinyl chloride	4.690	62	52278	23.04	ug/kg	99
8) bromomethane	5.175	96	74610	24.69	ug/kg	98
9) chloroethane	5.335	64	45788	24.00	ug/kg	92
10) dichlorofluoromethane	5.382	67	136976	23.53	ug/kg	100
11) ethyl ether	6.185	59	54394	24.12	ug/kg	98
12) acetonitrile	6.517	41	12055	26.88	ug/kg	86
13) trichlorofluoromethane	5.965	101	152197	23.17	ug/kg	98
14) freon-113	6.729	101	86194	23.70	ug/kg	92
15) acrolein	5.935	56	16241	118.90	ug/kg	95
16) 1,1-dichloroethene	6.546	96	81574	23.40	ug/kg	92
17) acetone	6.054	43	14454	24.85	ug/kg	88
18) Methyl Acetate	6.679	43	66726	24.70	ug/kg	95
19) methylene chloride	6.683	84	94409	24.40	ug/kg	91
20) methyl tert butyl ether	7.453	73	191417	24.10	ug/kg	98
21) acrylonitrile	6.559	53	17359	24.46	ug/kg	97
22) allyl chloride	6.768	41	108485	23.32	ug/kg	89
23) trans-1,2-dichloroethene	7.350	96	97239	23.45	ug/kg	93
24) iodomethane	6.593	142	169884	23.29	ug/kg	94
25) carbon disulfide	6.955	76	223652	22.19	ug/kg	99
26) propionitrile	7.576	54	6629	24.29	ug/kg	100
27) vinyl acetate	7.666	43	129576	23.91	ug/kg	96
28) chloroprene	7.961	53	100435	23.21	ug/kg	99
29) di-isopropyl ether	8.010	45	251881	24.65	ug/kg	92
30) methacrylonitrile	8.083	41	40190m	24.48	ug/kg	
31) 2-butanone	7.985	72	7267	25.19	ug/kg#	1
32) Hexane	7.995	41	113599	24.79	ug/kg#	76
33) 1,1-dichloroethane	7.602	63	130189	24.16	ug/kg	96
34) tert-butyl ethyl ether	8.400	59	209393	24.50	ug/kg	95
35) isobutyl alcohol	8.405	43	33040	120.21	ug/kg	96
36) 2,2-dichloropropane	8.459	77	91864	23.94	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72939.D
Acq On : 7 Aug 2013 11:47 pm
Operator : GaryK
Sample : ic2374-25
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 08 08:26:35 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.171	96	111593	24.37	ug/kg	92
38) ethyl acetate	8.405	43	33441	25.56	ug/kg	94
39) bromochloromethane	8.320	128	55364	24.02	ug/kg	94
40) chloroform	8.360	83	154274	24.39	ug/kg	98
42) Tetrahydrofuran	8.679	42	14417	24.02	ug/kg	97
43) 1,1,1-trichloroethane	9.122	97	129838	22.84	ug/kg	98
44) n-Butyl Alcohol	9.423	56	111315	575.95	ug/kg	90
46) Cyclohexane	9.423	56	111239	22.76	ug/kg	96
47) carbon tetrachloride	9.481	117	116235	23.07	ug/kg	98
48) 1,1-dichloropropene	9.289	75	113512	23.61	ug/kg	98
49) benzene	9.487	78	356078	24.70	ug/kg	98
50) 1,2-dichloroethane	8.992	62	103488	24.23	ug/kg	98
51) tert-amyl methyl ether	9.637	73	202059	24.17	ug/kg	95
52) heptane	9.999	43	91861	22.61	ug/kg	90
53) 2-Nitropropane	9.999	43	91861	22.61	ug/kg	95
54) trichloroethene	10.122	95	105908	24.20	ug/kg	94
55) 1,2-dichloropropane	10.075	63	85705	24.09	ug/kg	98
56) dibromomethane	10.048	93	52092	24.69	ug/kg	93
57) bromodichloromethane	10.160	83	119692	23.93	ug/kg	97
58) Methylcyclohexane	10.668	83	133506	23.03	ug/kg	97
59) 2-chloroethyl vinyl ether	10.533	63	40004	23.38	ug/kg	100
60) methyl methacrylate	10.252	69	35996	22.64	ug/kg	81
61) 1,4-dioxane	10.248	88	2765	112.50	ug/kg	95
62) cis-1,3-dichloropropene	10.786	75	146791	23.98	ug/kg	97
64) 4-methyl-2-pentanone	10.867	43	47789	23.60	ug/kg	87
65) toluene	11.550	92	247042	24.34	ug/kg	97
66) trans-1,3-dichloropropene	11.197	75	116809	23.32	ug/kg	96
67) 1,1,2-trichloroethane	11.368	83	66192	23.97	ug/kg	93
68) ethyl methacrylate	11.570	69	71106	23.42	ug/kg	82
70) tetrachloroethene	12.308	166	116349	23.79	ug/kg	99
71) 1,3-dichloropropane	11.607	76	116423	25.28	ug/kg	99
72) dibromochloromethane	11.887	129	101633	23.72	ug/kg	97
73) 1,2-dibromoethane	12.136	107	86834	24.35	ug/kg	98
74) 2-hexanone	11.721	43	31776	24.26	ug/kg	91
75) chlorobenzene	12.977	112	320788	24.80	ug/kg	96
76) 1-chlorohexane	12.874	91	125713	22.92	ug/kg	96
77) 1,1,1,2-tetrachloroethane	12.903	131	112550	23.95	ug/kg	97
78) ethylbenzene	13.147	91	456917	24.16	ug/kg	100
79) m,p-xylene	13.330	106	394752	49.24	ug/kg	97
80) o-xylene	13.743	106	197725	24.80	ug/kg	94
81) styrene	13.666	104	303138	23.40	ug/kg	94
82) bromoform	13.487	173	48197	22.93	ug/kg	98
83) cis-1,4-dichloro-2-butene	13.574	88	18512	21.88	ug/kg	93
84) trans-1,4-dichloro-2-b...	13.894	53	12795	23.29	ug/kg#	57
86) isopropylbenzene	14.109	105	484613	23.85	ug/kg	100
88) bromobenzene	14.395	156	142719	24.43	ug/kg	94
89) 1,1,2,2-tetrachloroethane	13.752	83	77644	24.74	ug/kg	98
90) 1,2,3-trichloropropane	13.895	75	75802	24.09	ug/kg	100
91) n-propylbenzene	14.555	91	525702	23.72	ug/kg	98
92) 2-chlorotoluene	14.676	91	329327	24.23	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72939.D
Acq On : 7 Aug 2013 11:47 pm
Operator : GaryK
Sample : ic2374-25
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 08 08:26:35 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

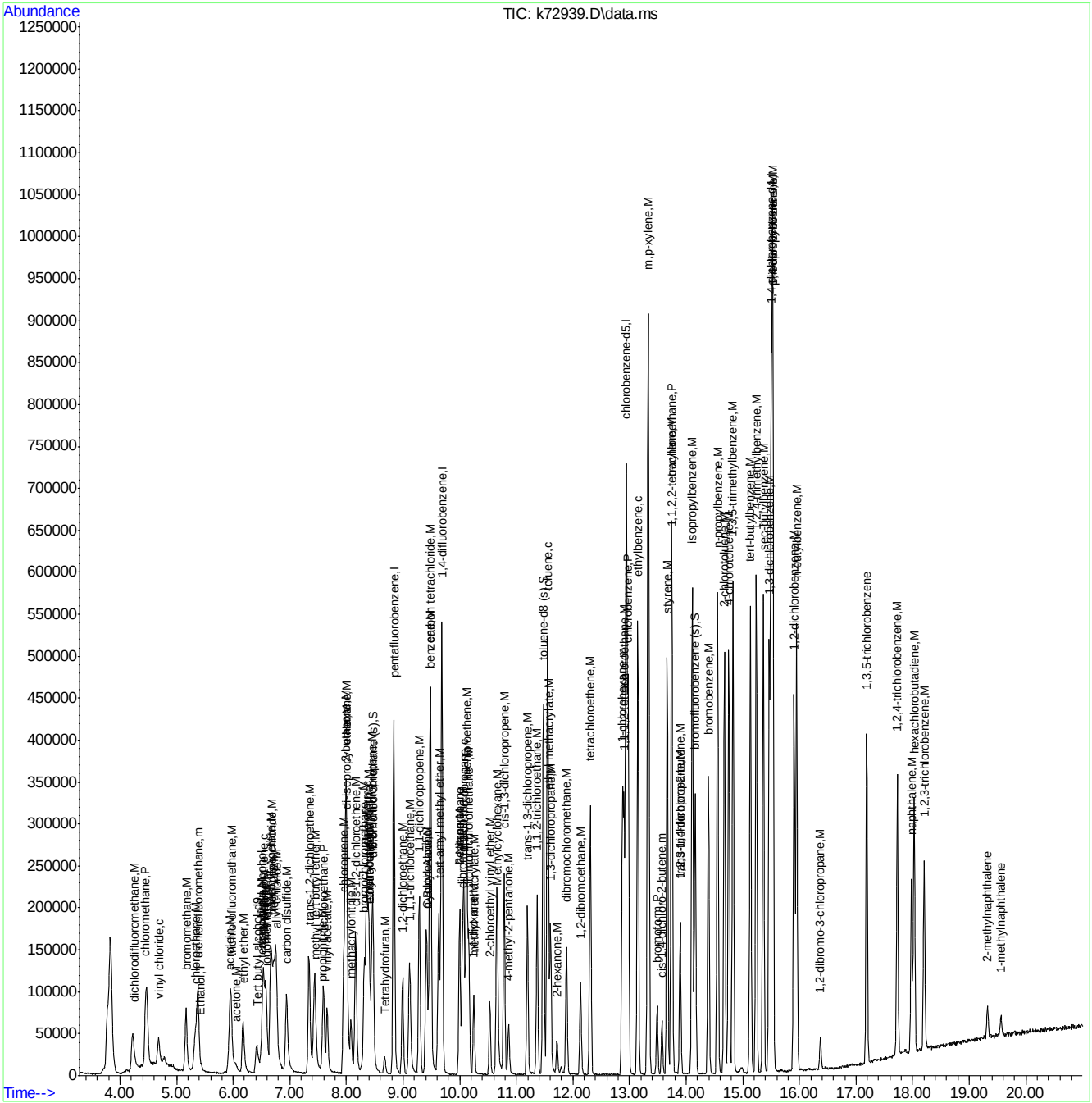
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.753	91	335159	24.35	ug/kg	97
94)	1,3,5-trimethylbenzene	14.827	105	391632	23.93	ug/kg	99
95)	tert-butylbenzene	15.134	91	206442	23.47	ug/kg	92
96)	1,2,4-trimethylbenzene	15.238	105	397504	24.00	ug/kg	99
97)	sec-butylbenzene	15.362	105	491692	23.68	ug/kg	97
98)	1,3-dichlorobenzene	15.467	146	274112	24.30	ug/kg	97
99)	p-isopropyltoluene	15.530	119	379193	23.78	ug/kg	96
100)	1,4-dichlorobenzene	15.529	146	260239	24.81	ug/kg	98
101)	1,2-dichlorobenzene	15.907	146	250535	24.22	ug/kg	98
102)	n-butylbenzene	15.951	91	345133	23.72	ug/kg	99
103)	1,2-dibromo-3-chloropr...	16.371	75	9254	23.24	ug/kg	89
104)	1,3,5-trichlorobenzene	17.189	180	154316	23.27	ug/kg	100
105)	1,2,4-trichlorobenzene	17.730	180	131603	22.91	ug/kg	93
106)	hexachlorobutadiene	18.026	225	76014	23.65	ug/kg	96
107)	naphthalene	17.979	128	203922	22.45	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	91487	22.93	ug/kg	98
109)	2-methylnaphthalene	19.323	142	23781m	16.83	ug/kg	
110)	1-methylnaphthalene	19.566	TIC	58632m	380.84	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72939.D
Acq On : 7 Aug 2013 11:47 pm
Operator : GaryK
Sample : ic2374-25
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 08 08:26:35 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/08/13 17:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72940.D
Acq On : 8 Aug 2013 12:14 am
Operator : GaryK
Sample : icc2374-50
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 08 08:28:39 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.428	65	67264	500.00	ug/kg	0.00
4) pentafluorobenzene	8.838	168	361941	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.684	114	523105	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.940	82	217614	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.500	152	260164	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.468	113	186765	49.92	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.84%			
63) toluene-d8 (s)	11.477	98	669613	50.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.00%			
87) bromofluorobenzene (s)	14.160	95	245125	50.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.00%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.510	59	89201	499.80	ug/kg	91
3) Ethanol	5.419	45	119434m	5846.28	ug/kg	
5) dichlorodifluoromethane	4.241	85	219837	49.86	ug/kg	95
6) chloromethane	4.449	50	153037	49.93	ug/kg	100
7) vinyl chloride	4.688	62	107194	49.93	ug/kg	100
8) bromomethane	5.169	96	145197	50.78	ug/kg	99
9) chloroethane	5.331	64	90509	50.14	ug/kg	97
10) dichlorofluoromethane	5.377	67	275015	49.93	ug/kg	100
11) ethyl ether	6.182	59	106792	50.05	ug/kg	99
12) acetonitrile	6.511	41	20420	48.13	ug/kg	85
13) trichlorofluoromethane	5.961	101	309754	49.83	ug/kg	99
14) freon-113	6.727	101	170775	49.63	ug/kg	99
15) acrolein	5.928	56	32996	255.30	ug/kg	86
16) 1,1-dichloroethene	6.543	96	164667	49.92	ug/kg	91
17) acetone	6.046	43	27475	49.93	ug/kg	84
18) Methyl Acetate	6.673	43	127696	49.97	ug/kg	92
19) methylene chloride	6.680	84	182993	49.98	ug/kg	89
20) methyl tert butyl ether	7.452	73	378486	50.36	ug/kg	98
21) acrylonitrile	6.553	53	34438	51.29	ug/kg	84
22) allyl chloride	6.768	41	219684	49.92	ug/kg	85
23) trans-1,2-dichloroethene	7.349	96	195726	49.89	ug/kg	99
24) iodomethane	6.589	142	344226	49.88	ug/kg	93
25) carbon disulfide	6.958	76	480845	50.42	ug/kg	98
26) propionitrile	7.568	54	12893	49.93	ug/kg	100
27) vinyl acetate	7.662	43	254489	49.64	ug/kg	95
28) chloroprene	7.959	53	204428	49.93	ug/kg	96
29) di-isopropyl ether	8.008	45	482843	49.93	ug/kg	93
30) methacrylonitrile	8.084	41	73907	47.57	ug/kg	89
31) 2-butanone	7.979	72	13632	49.93	ug/kg#	1
32) Hexane	7.992	41	216496	49.93	ug/kg#	77
33) 1,1-dichloroethane	7.600	63	254655	49.94	ug/kg	99
34) tert-butyl ethyl ether	8.399	59	403862	49.93	ug/kg	95
35) isobutyl alcohol	8.401	43	61812	237.68	ug/kg	100
36) 2,2-dichloropropane	8.457	77	181307	49.93	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72940.D
Acq On : 8 Aug 2013 12:14 am
Operator : GaryK
Sample : icc2374-50
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 08 08:28:39 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.169	96	216682	50.01	ug/kg	97
38) ethyl acetate	8.402	43	65152	52.63	ug/kg	97
39) bromochloromethane	8.319	128	108897	49.93	ug/kg	95
40) chloroform	8.358	83	298860	49.93	ug/kg	97
42) Tetrahydrofuran	8.676	42	28475	50.13	ug/kg	97
43) 1,1,1-trichloroethane	9.123	97	268524	49.93	ug/kg	99
44) n-Butyl Alcohol	9.421	56	228065	1247.13	ug/kg	91
46) Cyclohexane	9.421	56	228065	50.00	ug/kg	98
47) carbon tetrachloride	9.480	117	235045	50.00	ug/kg	98
48) 1,1-dichloropropene	9.288	75	224205	49.98	ug/kg	94
49) benzene	9.485	78	671152	49.89	ug/kg	98
50) 1,2-dichloroethane	8.990	62	199303	50.00	ug/kg	97
51) tert-amyl methyl ether	9.635	73	389908	49.98	ug/kg	94
52) heptane	9.997	43	189269	49.92	ug/kg	83
53) 2-Nitropropane	9.997	43	189269	49.92	ug/kg	98
54) trichloroethene	10.121	95	205859	50.40	ug/kg	92
55) 1,2-dichloropropane	10.074	63	166169	50.06	ug/kg	99
56) dibromomethane	10.047	93	98465	50.01	ug/kg	95
57) bromodichloromethane	10.160	83	232012	49.71	ug/kg	99
58) Methylcyclohexane	10.664	83	270444	50.00	ug/kg	98
59) 2-chloroethyl vinyl ether	10.531	63	79925	50.07	ug/kg	99
60) methyl methacrylate	10.250	69	74172	50.00	ug/kg	80
61) 1,4-dioxane	10.255	88	5735	250.04	ug/kg	81
62) cis-1,3-dichloropropene	10.785	75	285598	50.00	ug/kg	94
64) 4-methyl-2-pentanone	10.865	43	94483	50.00	ug/kg	88
65) toluene	11.549	92	473525	49.99	ug/kg	96
66) trans-1,3-dichloropropene	11.196	75	233825	50.03	ug/kg	97
67) 1,1,2-trichloroethane	11.367	83	128925	50.04	ug/kg	96
68) ethyl methacrylate	11.569	69	141496	49.93	ug/kg	85
70) tetrachloroethene	12.307	166	233708	49.99	ug/kg	97
71) 1,3-dichloropropane	11.606	76	220185	50.01	ug/kg	99
72) dibromochloromethane	11.887	129	204773	50.00	ug/kg	99
73) 1,2-dibromoethane	12.135	107	170478	50.00	ug/kg	95
74) 2-hexanone	11.721	43	62626	50.01	ug/kg	93
75) chlorobenzene	12.976	112	618244	50.00	ug/kg	97
76) 1-chlorohexane	12.873	91	262097	49.98	ug/kg	96
77) 1,1,1,2-tetrachloroethane	12.902	131	224663	50.00	ug/kg	97
78) ethylbenzene	13.147	91	903236	49.96	ug/kg	98
79) m,p-xylene	13.330	106	765873	99.93	ug/kg	100
80) o-xylene	13.743	106	381233	50.00	ug/kg	99
81) styrene	13.666	104	620190	50.08	ug/kg	95
82) bromoform	13.487	173	100488	50.00	ug/kg	98
83) cis-1,4-dichloro-2-butene	13.573	88	40443	50.00	ug/kg	91
84) trans-1,4-dichloro-2-b...	13.894	53	26256	50.00	ug/kg#	86
86) isopropylbenzene	14.108	105	974019	50.00	ug/kg	100
88) bromobenzene	14.395	156	279996	50.01	ug/kg	93
89) 1,1,2,2-tetrachloroethane	13.752	83	150472	50.00	ug/kg	99
90) 1,2,3-trichloropropane	13.894	75	150817	50.00	ug/kg	99
91) n-propylbenzene	14.555	91	1062636	50.01	ug/kg	100
92) 2-chlorotoluene	14.676	91	653574	50.15	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72940.D
Acq On : 8 Aug 2013 12:14 am
Operator : GaryK
Sample : icc2374-50
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 08 08:28:39 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

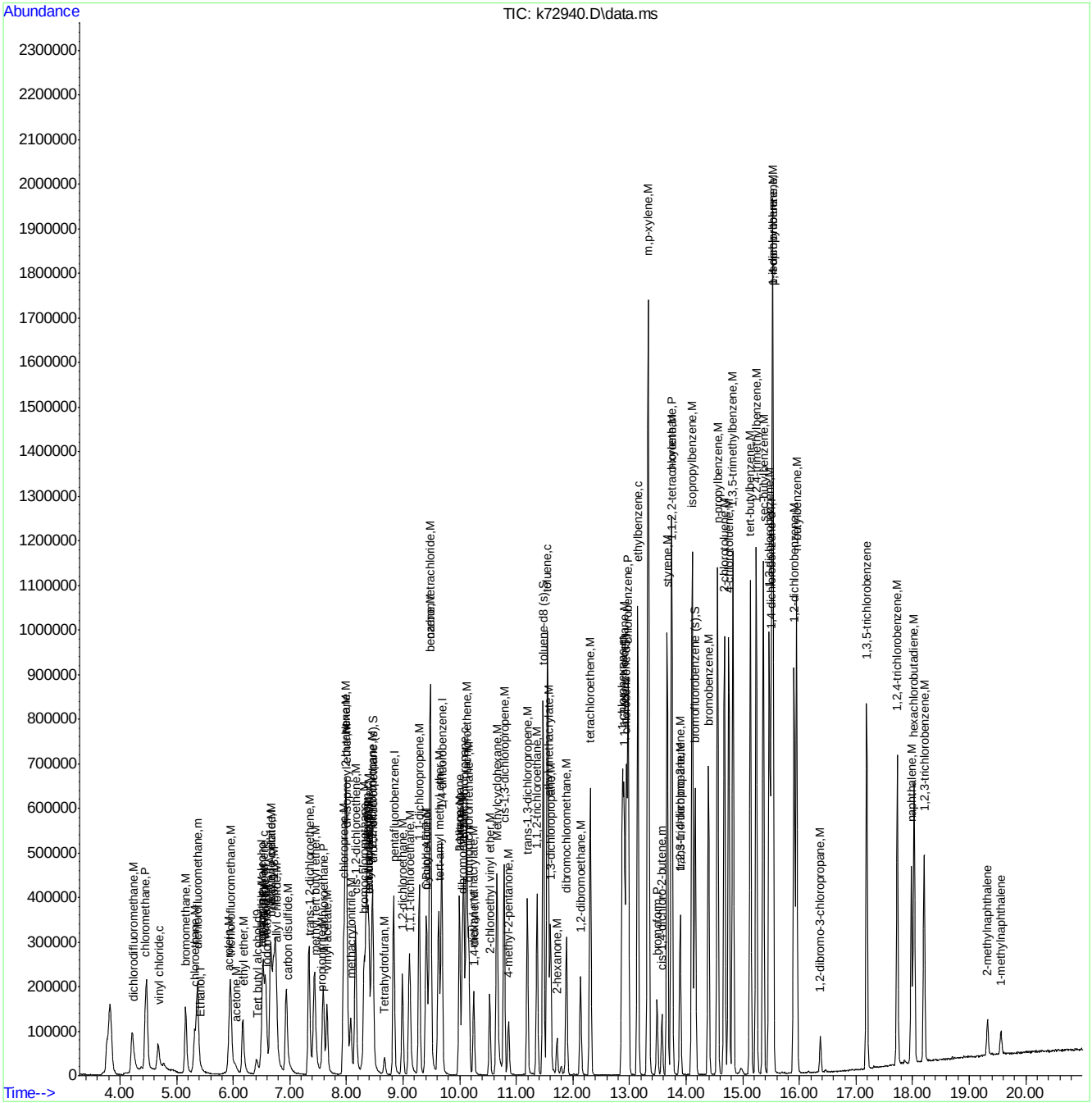
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 4-chlorotoluene	14.752	91	656344	49.75	ug/kg	98
94) 1,3,5-trimethylbenzene	14.827	105	784571	50.00	ug/kg	98
95) tert-butylbenzene	15.134	91	421898	50.03	ug/kg	96
96) 1,2,4-trimethylbenzene	15.238	105	794181	50.01	ug/kg	98
97) sec-butylbenzene	15.362	105	995075	50.00	ug/kg	99
98) 1,3-dichlorobenzene	15.466	146	535843	49.55	ug/kg	98
99) p-isopropyltoluene	15.529	119	764168	49.98	ug/kg	98
100) 1,4-dichlorobenzene	15.528	146	507167	50.44	ug/kg	97
101) 1,2-dichlorobenzene	15.907	146	495928	50.01	ug/kg	98
102) n-butylbenzene	15.950	91	697191	49.98	ug/kg	99
103) 1,2-dibromo-3-chloropr...	16.370	75	19085	50.00	ug/kg	95
104) 1,3,5-trichlorobenzene	17.189	180	317863	50.01	ug/kg	100
105) 1,2,4-trichlorobenzene	17.729	180	275381	50.01	ug/kg	100
106) hexachlorobutadiene	18.026	225	154092	50.00	ug/kg	97
107) naphthalene	17.978	128	435533	50.01	ug/kg	100
108) 1,2,3-trichlorobenzene	18.203	180	191595	50.10	ug/kg	99
109) 2-methylnaphthalene	19.323	142	52981m	39.11	ug/kg	
110) 1-methylnaphthalene	19.559	TIC	119104m	807.02	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72940.D
Acq On : 8 Aug 2013 12:14 am
Operator : GaryK
Sample : icc2374-50
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 08 08:28:39 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/08/13 17:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72941.D
Acq On : 8 Aug 2013 12:42 am
Operator : GaryK
Sample : ic2374-100
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 08 08:30:03 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.429	65	67262	500.00	ug/kg	0.00
4) pentafluorobenzene	8.840	168	375464	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.685	114	531139	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.939	82	228091	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.502	152	263372	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.470	113	362400	93.38	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 186.76%#			
63) toluene-d8 (s)	11.477	98	1269665	93.38	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 186.76%#			
87) bromofluorobenzene (s)	14.160	95	468035	94.31	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 188.62%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.511	59	174725	979.02	ug/kg	92
3) Ethanol	5.419	45	227384m	11130.74	ug/kg	
5) dichlorodifluoromethane	4.243	85	404465	88.43	ug/kg	92
6) chloromethane	4.457	50	267416	84.11	ug/kg	96
7) vinyl chloride	4.696	62	201099	90.30	ug/kg	97
8) bromomethane	5.172	96	270738	91.27	ug/kg	97
9) chloroethane	5.333	64	168184	89.81	ug/kg	96
10) dichlorofluoromethane	5.379	67	508799	89.05	ug/kg	100
11) ethyl ether	6.184	59	206186	93.16	ug/kg	95
12) acetonitrile	6.511	41	39013	88.63	ug/kg	92
13) trichlorofluoromethane	5.964	101	588273	91.23	ug/kg	98
14) freon-113	6.729	101	318235	89.15	ug/kg	89
15) acrolein	5.929	56	68755	512.83	ug/kg	98
16) 1,1-dichloroethene	6.544	96	306740	89.63	ug/kg	92
17) acetone	6.046	43	52211	91.47	ug/kg	90
18) Methyl Acetate	6.672	43	242209	91.36	ug/kg	93
19) methylene chloride	6.681	84	338494	89.11	ug/kg	92
20) methyl tert butyl ether	7.452	73	736057	94.41	ug/kg	97
21) acrylonitrile	6.551	53	68196	97.91	ug/kg	92
22) allyl chloride	6.770	41	410768	89.97	ug/kg	88
23) trans-1,2-dichloroethene	7.350	96	368187	90.47	ug/kg	97
24) iodomethane	6.590	142	647642m	90.47	ug/kg	
25) carbon disulfide	6.960	76	898844	90.86	ug/kg	99
26) propionitrile	7.566	54	25827	96.42	ug/kg	100
27) vinyl acetate	7.662	43	515473	96.93	ug/kg	95
28) chloroprene	7.962	53	400917	94.40	ug/kg	99
29) di-isopropyl ether	8.010	45	895308	89.25	ug/kg	93
30) methacrylonitrile	8.084	41	153452	95.21	ug/kg	87
31) 2-butanone	7.979	72	26349	93.03	ug/kg#	1
32) Hexane	7.993	41	398618	88.62	ug/kg#	75
33) 1,1-dichloroethane	7.603	63	475529	89.89	ug/kg	99
34) tert-butyl ethyl ether	8.401	59	773219	92.15	ug/kg	98
35) isobutyl alcohol	8.401	43	115106	426.67	ug/kg	95
36) 2,2-dichloropropane	8.459	77	332415	88.24	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72941.D
Acq On : 8 Aug 2013 12:42 am
Operator : GaryK
Sample : ic2374-100
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 08 08:30:03 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.171	96	407340	90.62	ug/kg	96
38) ethyl acetate	8.401	43	115106	89.63	ug/kg	96
39) bromochloromethane	8.320	128	207859	91.87	ug/kg	94
40) chloroform	8.361	83	556226	89.58	ug/kg	99
42) Tetrahydrofuran	8.676	42	56702	96.23	ug/kg	88
43) 1,1,1-trichloroethane	9.125	97	513001	91.96	ug/kg	98
44) n-Butyl Alcohol	9.422	56	429691	2265.05	ug/kg	89
46) Cyclohexane	9.422	56	428369	92.49	ug/kg	99
47) carbon tetrachloride	9.482	117	446637	93.57	ug/kg	98
48) 1,1-dichloropropene	9.288	75	436717	95.87	ug/kg	94
49) benzene	9.487	78	1259245	92.18	ug/kg	100
50) 1,2-dichloroethane	8.991	62	390658	96.52	ug/kg	97
51) tert-amyl methyl ether	9.636	73	759064	95.82	ug/kg	95
52) heptane	9.998	43	367889	95.56	ug/kg	83
53) 2-Nitropropane	9.998	43	367889	95.56	ug/kg	98
54) trichloroethene	10.122	95	391653	94.44	ug/kg	94
55) 1,2-dichloropropane	10.075	63	312854	92.82	ug/kg	98
56) dibromomethane	10.048	93	192763	96.41	ug/kg	96
57) bromodichloromethane	10.160	83	451404	95.25	ug/kg	98
58) Methylcyclohexane	10.670	83	529127	96.35	ug/kg	98
59) 2-chloroethyl vinyl ether	10.530	63	165362	102.02	ug/kg	98
60) methyl methacrylate	10.250	69	154981	102.89	ug/kg	83
61) 1,4-dioxane	10.258	88	11357	487.67	ug/kg	83
62) cis-1,3-dichloropropene	10.785	75	555634	95.80	ug/kg	93
64) 4-methyl-2-pentanone	10.864	43	191223	99.66	ug/kg	89
65) toluene	11.550	92	892421	92.79	ug/kg	95
66) trans-1,3-dichloropropene	11.196	75	463055	97.57	ug/kg	94
67) 1,1,2-trichloroethane	11.367	83	248466	94.98	ug/kg	96
68) ethyl methacrylate	11.569	69	287910	100.06	ug/kg	84
70) tetrachloroethene	12.307	166	452652	92.37	ug/kg	99
71) 1,3-dichloropropane	11.606	76	424922	92.08	ug/kg	99
72) dibromochloromethane	11.887	129	423382	98.62	ug/kg	97
73) 1,2-dibromoethane	12.135	107	346976	97.08	ug/kg	99
74) 2-hexanone	11.720	43	133905	102.02	ug/kg	92
75) chlorobenzene	12.976	112	1172179	90.44	ug/kg	96
76) 1-chlorohexane	12.872	91	509291	92.66	ug/kg	97
77) 1,1,1,2-tetrachloroethane	12.902	131	422591	89.73	ug/kg	98
78) ethylbenzene	13.146	91	1715134	90.51	ug/kg	100
79) m,p-xylene	13.330	106	1464250	182.28	ug/kg	99
80) o-xylene	13.743	106	720161	90.12	ug/kg	98
81) styrene	13.665	104	1210007	93.22	ug/kg	94
82) bromoform	13.487	173	214129	101.65	ug/kg	99
83) cis-1,4-dichloro-2-butene	13.573	88	89155	105.15	ug/kg	89
84) trans-1,4-dichloro-2-b...	13.893	53	54342	98.72	ug/kg#	72
86) isopropylbenzene	14.108	105	1837261	93.17	ug/kg	100
88) bromobenzene	14.395	156	544375	96.04	ug/kg	93
89) 1,1,2,2-tetrachloroethane	13.752	83	290688	95.42	ug/kg	98
90) 1,2,3-trichloropropane	13.894	75	302977	99.23	ug/kg	100
91) n-propylbenzene	14.555	91	1992234	92.61	ug/kg	98
92) 2-chlorotoluene	14.676	91	1222768	92.69	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72941.D
Acq On : 8 Aug 2013 12:42 am
Operator : GaryK
Sample : ic2374-100
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 08 08:30:03 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

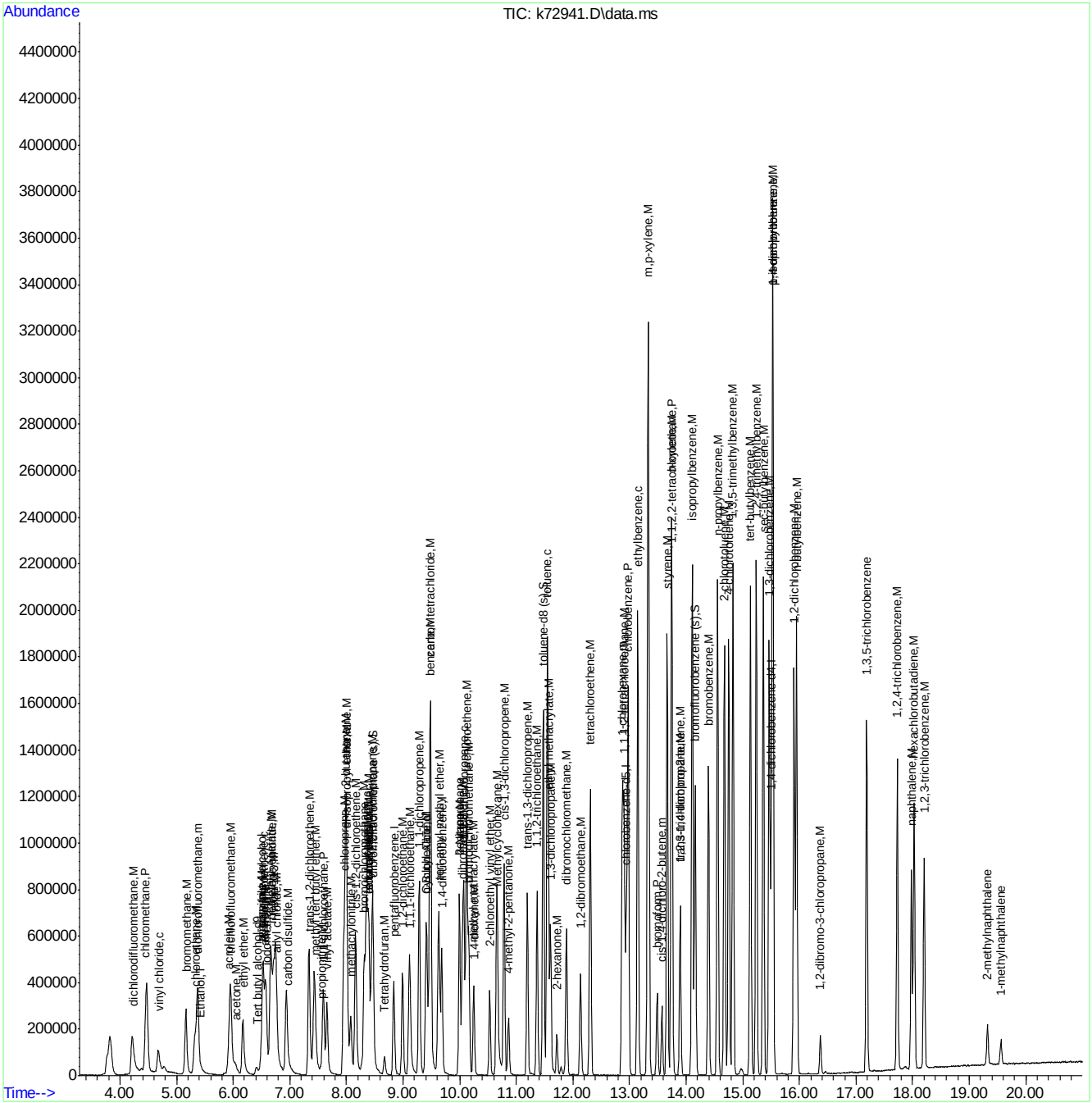
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.753	91	1244850	93.21	ug/kg	96
94)	1,3,5-trimethylbenzene	14.827	105	1472876	92.72	ug/kg	100
95)	tert-butylbenzene	15.134	91	786947	92.18	ug/kg	94
96)	1,2,4-trimethylbenzene	15.238	105	1502771	93.48	ug/kg	100
97)	sec-butylbenzene	15.363	105	1872918	92.96	ug/kg	99
98)	1,3-dichlorobenzene	15.467	146	1019895	93.17	ug/kg	99
99)	p-isopropyltoluene	15.530	119	1455361	94.03	ug/kg	97
100)	1,4-dichlorobenzene	15.529	146	971853	95.47	ug/kg	97
101)	1,2-dichlorobenzene	15.907	146	961859	95.81	ug/kg	98
102)	n-butylbenzene	15.950	91	1300102	92.06	ug/kg	99
103)	1,2-dibromo-3-chloropr...	16.370	75	39279	101.66	ug/kg	95
104)	1,3,5-trichlorobenzene	17.189	180	600996	93.40	ug/kg	100
105)	1,2,4-trichlorobenzene	17.729	180	529010	94.91	ug/kg	99
106)	hexachlorobutadiene	18.026	225	283450	90.86	ug/kg	100
107)	naphthalene	17.978	128	852128	96.65	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	368039	95.07	ug/kg	98
109)	2-methylnaphthalene	19.322	142	107634	78.49	ug/kg	98
110)	1-methylnaphthalene	19.563	TIC	235703m	1577.60	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72941.D
Acq On : 8 Aug 2013 12:42 am
Operator : GaryK
Sample : ic2374-100
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 08 08:30:03 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23228

K72942.D

Manual Integrations APPROVED (compounds with "m" flag)

Amy Min Yang 08/08/13 17:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72942.D
Acq On : 8 Aug 2013 1:10 am
Operator : GaryK
Sample : ic2374-200
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Aug 08 08:32:49 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.431	65	68311	500.00	ug/kg	0.00
4) pentafluorobenzene	8.842	168	373317	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.687	114	518892	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.938	82	233393	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.502	152	260353	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.473	113	702029	181.93	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 363.86%#			
63) toluene-d8 (s)	11.478	98	2379089	179.10	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 358.20%#			
87) bromofluorobenzene (s)	14.160	95	912303	185.97	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 371.94%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.512	59	343609	1895.75	ug/kg	93
3) Ethanol	5.426	45	443472m	21375.17	ug/kg	
5) dichlorodifluoromethane	4.247	85	443803	97.59	ug/kg	98
6) chloromethane	4.469	50	397131	125.62	ug/kg	99
7) vinyl chloride	4.703	62	271916	122.80	ug/kg	99
8) bromomethane	5.178	96	438039	148.51	ug/kg	99
9) chloroethane	5.337	64	257345	138.21	ug/kg	95
10) dichlorofluoromethane	5.384	67	785456	138.26	ug/kg	100
11) ethyl ether	6.187	59	396321	180.10	ug/kg	95
12) acetonitrile	6.512	41	76011	173.68	ug/kg	91
13) trichlorofluoromethane	5.968	101	668531	104.27	ug/kg	97
14) freon-113	6.732	101	333144	93.86	ug/kg	92
15) acrolein	5.934	56	139326	1045.18	ug/kg	99
16) 1,1-dichloroethene	6.547	96	412852	121.33	ug/kg	93
17) acetone	6.050	43	102223	180.11	ug/kg	99
18) Methyl Acetate	6.673	43	464083	176.06	ug/kg#	92
19) methylene chloride	6.685	84	595130	157.58	ug/kg	93
20) methyl tert butyl ether	7.454	73	1395329	180.00	ug/kg	100
21) acrylonitrile	6.558	53	135227	195.25	ug/kg	99
22) allyl chloride	6.772	41	657486	144.84	ug/kg	85
23) trans-1,2-dichloroethene	7.355	96	583412	144.18	ug/kg	95
24) iodomethane	6.594	142	1096744m	154.10	ug/kg	
25) carbon disulfide	6.961	76	1293006m	131.45	ug/kg	
26) propionitrile	7.564	54	49645	186.40	ug/kg	100
27) vinyl acetate	7.662	43	995185	188.20	ug/kg	94
28) chloroprene	7.964	53	562140	133.12	ug/kg	99
29) di-isopropyl ether	8.012	45	1615641	161.98	ug/kg	96
30) methacrylonitrile	8.083	41	285221	177.99	ug/kg	86
31) 2-butanone	7.979	72	49760	176.71	ug/kg#	15
32) Hexane	7.997	41	509308	113.88	ug/kg#	57
33) 1,1-dichloroethane	7.606	63	786546	149.54	ug/kg	99
34) tert-butyl ethyl ether	8.402	59	1436331	172.17	ug/kg	97
35) isobutyl alcohol	8.405	43	226258	843.50	ug/kg	95
36) 2,2-dichloropropane	8.461	77	480882	128.39	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72942.D
Acq On : 8 Aug 2013 1:10 am
Operator : GaryK
Sample : ic2374-200
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Aug 08 08:32:49 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.173	96	705132	157.78	ug/kg	95
38) ethyl acetate	8.405	43	224662	175.95	ug/kg	97
39) bromochloromethane	8.323	128	389603	173.20	ug/kg	95
40) chloroform	8.363	83	949942	153.87	ug/kg	100
42) Tetrahydrofuran	8.677	42	113910	194.43	ug/kg	91
43) 1,1,1-trichloroethane	9.126	97	732994	132.15	ug/kg	98
44) n-Butyl Alcohol	9.423	56	463525	2457.45	ug/kg	90
46) Cyclohexane	9.423	56	463850	102.52	ug/kg	97
47) carbon tetrachloride	9.483	117	586086	125.69	ug/kg	99
48) 1,1-dichloropropene	9.290	75	596583	134.06	ug/kg	93
49) benzene	9.489	78	2064600	154.70	ug/kg	99
50) 1,2-dichloroethane	8.992	62	732978	185.38	ug/kg	98
51) tert-amyl methyl ether	9.636	73	1445128	186.74	ug/kg	94
52) heptane	10.000	43	386425	102.74	ug/kg	84
53) 2-Nitropropane	10.000	43	386425	102.74	ug/kg	98
54) trichloroethene	10.124	95	601703	148.51	ug/kg	94
55) 1,2-dichloropropane	10.076	63	547957	166.41	ug/kg	99
56) dibromomethane	10.048	93	370619	189.75	ug/kg	95
57) bromodichloromethane	10.162	83	822896	177.73	ug/kg	100
58) Methylcyclohexane	10.666	83	545857	101.74	ug/kg	99
59) 2-chloroethyl vinyl ether	10.531	63	329606	208.14	ug/kg	98
60) methyl methacrylate	10.250	69	311311	211.56	ug/kg	84
61) 1,4-dioxane	10.260	88	22587	992.78	ug/kg	87
62) cis-1,3-dichloropropene	10.785	75	1016911	179.47	ug/kg	93
64) 4-methyl-2-pentanone	10.864	43	377773	201.53	ug/kg	89
65) toluene	11.550	92	1442720	153.55	ug/kg	98
66) trans-1,3-dichloropropene	11.196	75	879163	189.62	ug/kg	94
67) 1,1,2-trichloroethane	11.368	83	474473	185.65	ug/kg	97
68) ethyl methacrylate	11.569	69	564337	200.76	ug/kg	83
70) tetrachloroethene	12.308	166	639423	127.53	ug/kg	100
71) 1,3-dichloropropane	11.607	76	795017	168.36	ug/kg	99
72) dibromochloromethane	11.887	129	819242	186.50	ug/kg	99
73) 1,2-dibromoethane	12.136	107	666237	182.18	ug/kg	100
74) 2-hexanone	11.719	43	267293	199.03	ug/kg	93
75) chlorobenzene	12.977	112	2004687	151.15	ug/kg	97
76) 1-chlorohexane	12.873	91	671685	119.43	ug/kg	98
77) 1,1,1,2-tetrachloroethane	12.903	131	752260	156.09	ug/kg	98
78) ethylbenzene	13.147	91	2702549	139.38	ug/kg	99
79) m,p-xylene	13.330	106	2315738	281.73	ug/kg	96
80) o-xylene	13.743	106	1206062	147.49	ug/kg	98
81) styrene	13.666	104	2115051	159.25	ug/kg	94
82) bromoform	13.487	173	441111	204.65	ug/kg	99
83) cis-1,4-dichloro-2-butene	13.574	88	180643	208.21	ug/kg	90
84) trans-1,4-dichloro-2-b...	13.894	53	111060	197.18	ug/kg#	81
86) isopropylbenzene	14.108	105	2780783	142.65	ug/kg	99
88) bromobenzene	14.395	156	971643	173.40	ug/kg	93
89) 1,1,2,2-tetrachloroethane	13.753	83	553756	183.89	ug/kg	99
90) 1,2,3-trichloropropane	13.894	75	598036	198.13	ug/kg	99
91) n-propylbenzene	14.555	91	3010161	141.56	ug/kg	96
92) 2-chlorotoluene	14.676	91	2022243	155.07	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72942.D
Acq On : 8 Aug 2013 1:10 am
Operator : GaryK
Sample : ic2374-200
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Aug 08 08:32:49 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

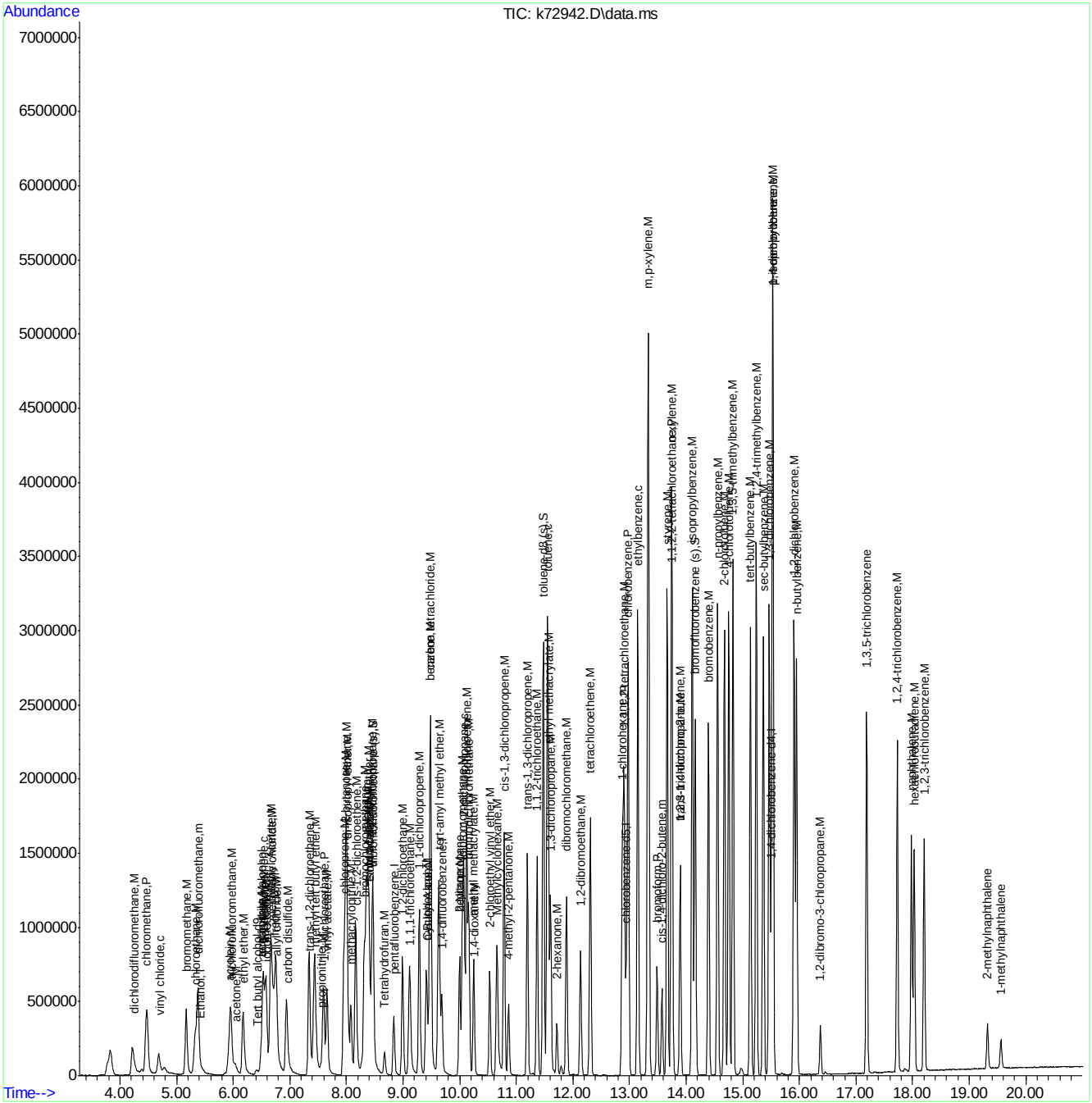
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.753	91	2084748	157.91	ug/kg	94
94)	1,3,5-trimethylbenzene	14.827	105	2326744	148.17	ug/kg	100
95)	tert-butylbenzene	15.134	91	1155288	136.90	ug/kg	93
96)	1,2,4-trimethylbenzene	15.238	105	2451578	154.26	ug/kg	99
97)	sec-butylbenzene	15.363	105	2674374	134.27	ug/kg	100
98)	1,3-dichlorobenzene	15.467	146	1761296	162.77	ug/kg	98
99)	p-isopropyltoluene	15.530	119	2155488	140.88	ug/kg	98
100)	1,4-dichlorobenzene	15.529	146	1712115	170.14	ug/kg	97
101)	1,2-dichlorobenzene	15.907	146	1706451	171.95	ug/kg	98
102)	n-butylbenzene	15.950	91	1846052	132.23	ug/kg	97
103)	1,2-dibromo-3-chloropr...	16.371	75	79592	208.39	ug/kg	94
104)	1,3,5-trichlorobenzene	17.189	180	971440	152.71	ug/kg	100
105)	1,2,4-trichlorobenzene	17.729	180	886477	160.88	ug/kg	100
106)	hexachlorobutadiene	18.026	225	374322	121.38	ug/kg	97
107)	naphthalene	17.978	128	1602981	183.93	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	639922	167.21	ug/kg	99
109)	2-methylnaphthalene	19.323	142	199801m	147.39	ug/kg	
110)	1-methylnaphthalene	19.559	TIC	405926m	2748.44	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72942.D
Acq On : 8 Aug 2013 1:10 am
Operator : GaryK
Sample : ic2374-200
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Aug 08 08:32:49 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/08/13 17:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72943.D
Acq On : 8 Aug 2013 1:38 am
Operator : GaryK
Sample : ic2374-400
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Aug 08 08:34:53 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert butyl alcohol-d9	6.433	65	67244	500.00	ug/kg		0.00
4) pentafluorobenzene	8.845	168	375514	50.00	ug/kg		0.00
45) 1,4-difluorobenzene	9.690	114	512396	50.00	ug/kg		0.00
69) chlorobenzene-d5	12.935	82	259101	50.00	ug/kg	#	0.00
85) 1,4-dichlorobenzene-d4	15.503	152	253557	50.00	ug/kg		0.00
System Monitoring Compounds							
41) dibromofluoromethane (s)	8.477	113	1376189	354.56	ug/kg		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 709.12%#				
63) toluene-d8 (s)	11.479	98	4511791	343.96	ug/kg		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 687.92%#				
87) bromofluorobenzene (s)	14.161	95	1762456	368.90	ug/kg		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 737.80%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.512	59	692258	3879.92	ug/kg		96
3) Ethanol	5.429	45	881247m	43149.73	ug/kg		
5) dichlorodifluoromethane	4.251	85	1442950	315.43	ug/kg		100
6) chloromethane	4.482	50	812574	255.53	ug/kg		92
7) vinyl chloride	4.711	62	697251	313.04	ug/kg		95
8) bromomethane	5.180	96	955721	322.13	ug/kg		96
9) chloroethane	5.336	64	614880	328.30	ug/kg		97
10) dichlorofluoromethane	5.383	67	1773930m	310.42	ug/kg		
11) ethyl ether	6.190	59	786970	355.53	ug/kg		98
12) acetonitrile	6.512	41	143105	325.08	ug/kg		89
13) trichlorofluoromethane	5.969	101	2028889m	314.60	ug/kg		
14) freon-113	6.731	101	1130527	316.66	ug/kg		90
15) acrolein	5.933	56	285459	2128.89	ug/kg		96
16) 1,1-dichloroethene	6.547	96	1087969	317.88	ug/kg		91
17) acetone	6.048	43	193869	339.59	ug/kg		92
18) Methyl Acetate	6.675	43	886119	334.19	ug/kg#		93
19) methylene chloride	6.687	84	1222205	321.73	ug/kg		93
20) methyl tert butyl ether	7.454	73	2831216	363.10	ug/kg		99
21) acrylonitrile	6.558	53	257682	369.89	ug/kg		98
22) allyl chloride	6.776	41	1485766	325.39	ug/kg		87
23) trans-1,2-dichloroethene	7.356	96	1362210	334.68	ug/kg		95
24) iodomethane	6.594	142	2421189m	338.19	ug/kg		
25) carbon disulfide	6.961	76	3318516m	335.40	ug/kg		
26) propionitrile	7.567	54	102813	383.78	ug/kg		100
27) vinyl acetate	7.663	43	2010989	378.08	ug/kg		97
28) chloroprene	7.967	53	1432373	337.21	ug/kg		96
29) di-isopropyl ether	8.015	45	3179015	316.86	ug/kg		96
30) methacrylonitrile	8.086	41	606883	376.51	ug/kg		86
31) 2-butanone	7.980	72	98393	347.37	ug/kg#		1
32) Hexane	7.997	41	1322954	294.09	ug/kg#		74
33) 1,1-dichloroethane	7.608	63	1720867	325.26	ug/kg		99
34) tert-butyl ethyl ether	8.404	59	2924864	348.54	ug/kg		97
35) isobutyl alcohol	8.407	43	447605	1658.94	ug/kg		95
36) 2,2-dichloropropane	8.463	77	1188203	315.37	ug/kg		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72943.D
Acq On : 8 Aug 2013 1:38 am
Operator : GaryK
Sample : ic2374-400
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Aug 08 08:34:53 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.176	96	1504011	334.56	ug/kg	93
38) ethyl acetate	8.406	43	441522	343.77	ug/kg	98
39) bromochloromethane	8.326	128	802183	354.52	ug/kg	94
40) chloroform	8.368	83	1979984	318.84	ug/kg	98
42) Tetrahydrofuran	8.682	42	236640	401.56	ug/kg	91
43) 1,1,1-trichloroethane	9.128	97	1856402	332.73	ug/kg	98
44) n-Butyl Alcohol	9.424	56	1534768	8089.21	ug/kg	88
46) Cyclohexane	9.424	56	1532035	342.90	ug/kg	99
47) carbon tetrachloride	9.485	117	1603491	348.23	ug/kg	99
48) 1,1-dichloropropene	9.293	75	1541190	350.71	ug/kg	93
49) benzene	9.493	78	4391423	333.23	ug/kg	99
50) 1,2-dichloroethane	8.994	62	1474032	377.53	ug/kg	99
51) tert-amyl methyl ether	9.637	73	2922128	382.38	ug/kg	93
52) heptane	10.001	43	1325370	356.84	ug/kg	86
53) 2-Nitropropane	10.001	43	1325370	356.84	ug/kg	100
54) trichloroethene	10.126	95	1398659	349.58	ug/kg	92
55) 1,2-dichloropropane	10.078	63	1116109	343.26	ug/kg	100
56) dibromomethane	10.049	93	722858	374.77	ug/kg	94
57) bromodichloromethane	10.164	83	1720682	376.35	ug/kg	99
58) Methylcyclohexane	10.673	83	1939975	366.16	ug/kg	98
59) 2-chloroethyl vinyl ether	10.530	63	679199	434.34	ug/kg	97
60) methyl methacrylate	10.249	69	633908	436.25	ug/kg	85
61) 1,4-dioxane	10.260	88	46646	2076.25	ug/kg	92
62) cis-1,3-dichloropropene	10.786	75	2087457	373.09	ug/kg	91
64) 4-methyl-2-pentanone	10.864	43	762634	412.01	ug/kg	90
65) toluene	11.551	92	3181740	342.92	ug/kg	99
66) trans-1,3-dichloropropene	11.196	75	1804901	394.22	ug/kg	92
67) 1,1,2-trichloroethane	11.368	83	946027	374.85	ug/kg	97
68) ethyl methacrylate	11.570	69	1139935	410.67	ug/kg	86
70) tetrachloroethene	12.308	166	1629050	292.66	ug/kg	100
71) 1,3-dichloropropane	11.607	76	1622375	309.48	ug/kg	100
72) dibromochloromethane	11.888	129	1722658	353.26	ug/kg	99
73) 1,2-dibromoethane	12.136	107	1367120	336.73	ug/kg	98
74) 2-hexanone	11.718	43	548283	367.75	ug/kg	93
75) chlorobenzene	12.977	112	4296678	291.82	ug/kg	96
76) 1-chlorohexane	12.873	91	1848739	296.10	ug/kg	99
77) 1,1,1,2-tetrachloroethane	12.904	131	1562326	292.02	ug/kg	99
78) ethylbenzene	13.147	91	6034379	280.34	ug/kg	97
79) m,p-xylene	13.331	106	5084738	557.22	ug/kg	94
80) o-xylene	13.744	106	2627800	289.48	ug/kg	95
81) styrene	13.666	104	4475371	303.53	ug/kg	95
82) bromoform	13.488	173	959564	401.01	ug/kg	97
83) cis-1,4-dichloro-2-butene	13.574	88	383810	398.49	ug/kg	91
84) trans-1,4-dichloro-2-b...	13.894	53	228240	365.02	ug/kg#	80
86) isopropylbenzene	14.109	105	6381231	336.12	ug/kg	95
88) bromobenzene	14.395	156	2057822	377.09	ug/kg	91
89) 1,1,2,2-tetrachloroethane	13.754	83	1077226	367.31	ug/kg	98
90) 1,2,3-trichloropropane	13.895	75	1205108	409.95	ug/kg	100
91) n-propylbenzene	14.556	91	6882747	332.35	ug/kg	92
92) 2-chlorotoluene	14.677	91	4353260	342.77	ug/kg	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72943.D
Acq On : 8 Aug 2013 1:38 am
Operator : GaryK
Sample : ic2374-400
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Aug 08 08:34:53 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

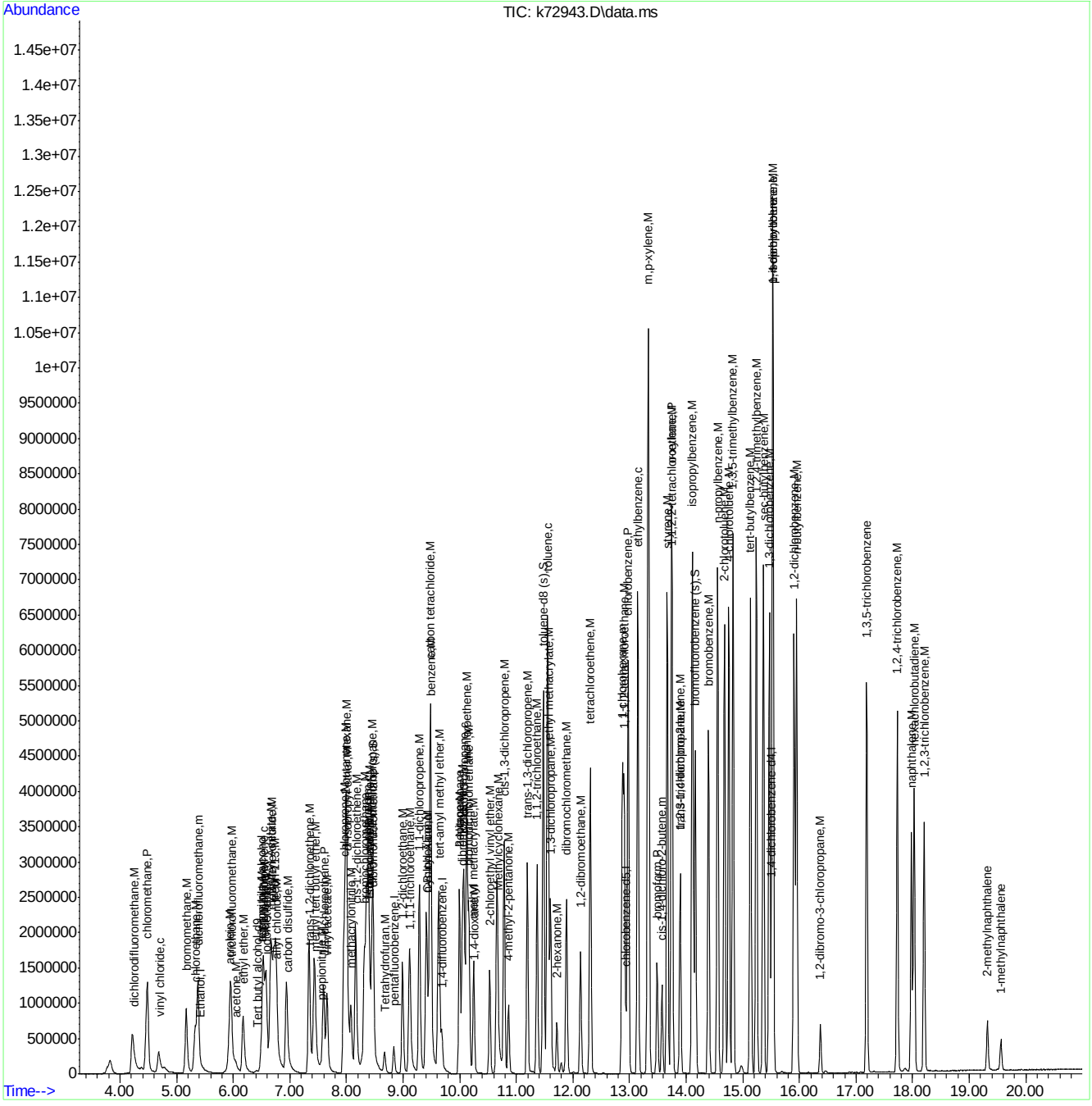
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.753	91	4426172	344.24	ug/kg	91
94)	1,3,5-trimethylbenzene	14.828	105	5188154	339.24	ug/kg	98
95)	tert-butylbenzene	15.135	91	2666405	324.43	ug/kg	95
96)	1,2,4-trimethylbenzene	15.240	105	5283336	341.36	ug/kg	96
97)	sec-butylbenzene	15.364	105	6457519	332.91	ug/kg	96
98)	1,3-dichlorobenzene	15.468	146	3712287	352.26	ug/kg	98
99)	p-isopropyltoluene	15.530	119	5060468	339.61	ug/kg	97
100)	1,4-dichlorobenzene	15.531	146	3432317	350.23	ug/kg	98
101)	1,2-dichlorobenzene	15.908	146	3522690	364.48	ug/kg	97
102)	n-butylbenzene	15.951	91	4446121	327.01	ug/kg	93
103)	1,2-dibromo-3-chloropr...	16.371	75	169024	454.40	ug/kg	97
104)	1,3,5-trichlorobenzene	17.189	180	2224009	358.99	ug/kg	99
105)	1,2,4-trichlorobenzene	17.730	180	2036423	379.49	ug/kg	98
106)	hexachlorobutadiene	18.026	225	999785	332.90	ug/kg	98
107)	naphthalene	17.978	128	3447299	406.15	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	1475833	395.97	ug/kg	99
109)	2-methylnaphthalene	19.323	142	468079m	354.54	ug/kg	
110)	1-methylnaphthalene	19.559	TIC	950549m	6608.48	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72943.D
Acq On : 8 Aug 2013 1:38 am
Operator : GaryK
Sample : ic2374-400
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Aug 08 08:34:53 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/08/13 17:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72946.D
Acq On : 8 Aug 2013 3:02 am
Operator : GaryK
Sample : icv2374-50
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Aug 08 09:22:43 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.433	65	68272	500.00	ug/kg	0.00
4) pentafluorobenzene	8.840	168	365285	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.686	114	525542	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.941	82	220553	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.502	152	255731	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.471	113	191470	50.64	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.28%			
63) toluene-d8 (s)	11.478	98	691573	52.49	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.98%			
87) bromofluorobenzene (s)	14.161	95	247107	50.55	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.10%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.513	59	94746	542.33	ug/kg	87
3) Ethanol	5.374	45	93505	4256.31	ug/kg#	100
5) dichlorodifluoromethane	4.248	85	221483	56.09	ug/kg	97
6) chloromethane	4.456	50	173631	74.48	ug/kg	99
7) vinyl chloride	4.695	62	90717	47.07	ug/kg	94
8) bromomethane	5.177	96	160746	57.49	ug/kg	97
9) chloroethane	5.337	64	97675	58.56	ug/kg	96
10) dichlorofluoromethane	5.383	67	301533	59.67	ug/kg	100
11) ethyl ether	6.187	59	107167	54.13	ug/kg	98
12) acetonitrile	6.512	41	21555	51.69	ug/kg	91
13) trichlorofluoromethane	5.967	101	311886	54.44	ug/kg	99
14) freon-113	6.732	101	187761	59.01	ug/kg	92
15) acrolein	5.949	56	4324	35.12	ug/kg	95
16) 1,1-dichloroethene	6.548	96	181561	58.03	ug/kg	90
17) acetone	6.048	43	28858	53.83	ug/kg	97
18) Methyl Acetate	6.678	43	99141	40.82	ug/kg#	90
19) methylene chloride	6.685	84	186342	54.24	ug/kg	95
20) methyl tert butyl ether	7.454	73	372751	52.99	ug/kg	98
21) acrylonitrile	6.558	53	34590	53.20	ug/kg	89
22) allyl chloride	6.773	41	225888	56.44	ug/kg	85
23) trans-1,2-dichloroethene	7.352	96	201561	53.99	ug/kg	96
24) iodomethane	6.595	142	364074	58.19	ug/kg	93
25) carbon disulfide	6.964	76	515099m	59.49	ug/kg	
26) propionitrile	7.569	54	12181	50.00	ug/kg	100
27) vinyl acetate	7.664	43	185622	39.73	ug/kg	97
28) chloroprene	7.961	53	233143	62.98	ug/kg	99
29) di-isopropyl ether	8.010	45	467750	52.75	ug/kg	90
30) methacrylonitrile	8.081	41	72616	49.91	ug/kg	92
31) 2-butanone	7.982	72	13082	50.42	ug/kg#	1
32) Hexane	7.994	41	222836	53.92	ug/kg#	79
33) 1,1-dichloroethane	7.603	63	282411	59.87	ug/kg	97
34) tert-butyl ethyl ether	8.402	59	413587	55.74	ug/kg	98
35) isobutyl alcohol	8.408	43	68149	283.71	ug/kg	96
36) 2,2-dichloropropane	8.460	77	186845	54.92	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72946.D
Acq On : 8 Aug 2013 3:02 am
Operator : GaryK
Sample : icv2374-50
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Aug 08 09:22:43 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.172	96	219468	52.61	ug/kg	95
38) ethyl acetate	8.408	43	68149	56.86	ug/kg	100
39) bromochloromethane	8.321	128	120851	59.06	ug/kg	97
40) chloroform	8.361	83	325363	59.35	ug/kg	100
42) Tetrahydrofuran	8.677	42	27949	49.35	ug/kg	91
43) 1,1,1-trichloroethane	9.126	97	301080	61.08	ug/kg	98
44) n-Butyl Alcohol	9.426	56	240009	1456.77	ug/kg#	32
46) Cyclohexane	9.426	56	239881	58.33	ug/kg	98
47) carbon tetrachloride	9.482	117	265594	61.24	ug/kg	99
48) 1,1-dichloropropene	9.289	75	239039	57.47	ug/kg	94
49) benzene	9.487	78	691720	53.12	ug/kg	98
50) 1,2-dichloroethane	8.992	62	200754	53.11	ug/kg	96
51) tert-amyl methyl ether	9.637	73	399832	54.35	ug/kg	93
52) heptane	9.999	43	192861	55.63	ug/kg	86
53) 2-Nitropropane	9.999	43	192861	54.39	ug/kg	97
54) trichloroethene	10.123	95	209111	53.31	ug/kg	97
55) 1,2-dichloropropane	10.075	63	165954	53.84	ug/kg	100
56) dibromomethane	10.048	93	110693	59.60	ug/kg	97
57) bromodichloromethane	10.161	83	237362	54.63	ug/kg	99
58) Methylcyclohexane	10.665	83	278626	56.77	ug/kg	99
59) 2-chloroethyl vinyl ether	10.532	63	48575	31.41	ug/kg	98
60) methyl methacrylate	10.251	69	75969	52.51	ug/kg	85
61) 1,4-dioxane	10.249	88	5701	252.87	ug/kg	88
62) cis-1,3-dichloropropene	10.786	75	274078	52.33	ug/kg	93
64) 4-methyl-2-pentanone	10.866	43	95877	55.26	ug/kg	89
65) toluene	11.550	92	491554	56.15	ug/kg	97
66) trans-1,3-dichloropropene	11.197	75	236807	55.56	ug/kg	97
67) 1,1,2-trichloroethane	11.368	83	126273	52.07	ug/kg	96
68) ethyl methacrylate	11.571	69	146026	54.16	ug/kg	81
70) tetrachloroethene	12.308	166	270968	63.36	ug/kg	99
71) 1,3-dichloropropane	11.607	76	218262	52.27	ug/kg	99
72) dibromochloromethane	11.887	129	212997	57.10	ug/kg	100
73) 1,2-dibromoethane	12.136	107	174330	54.88	ug/kg	100
74) 2-hexanone	11.720	43	64285	55.15	ug/kg	92
75) chlorobenzene	12.977	112	607169	51.99	ug/kg	96
76) 1-chlorohexane	12.874	91	276377	61.28	ug/kg	97
77) 1,1,1,2-tetrachloroethane	12.903	131	223743	54.76	ug/kg	98
78) ethylbenzene	13.147	91	925890	56.77	ug/kg	99
79) m,p-xylene	13.331	106	777109	111.83	ug/kg	99
80) o-xylene	13.743	106	375127	54.57	ug/kg	99
81) styrene	13.666	104	618975	55.84	ug/kg	95
82) bromoform	13.488	173	112677	60.41	ug/kg	98
83) cis-1,4-dichloro-2-butene	13.574	88	41344	50.74	ug/kg	89
84) trans-1,4-dichloro-2-b...	13.894	53	26418	54.07	ug/kg#	58
86) isopropylbenzene	14.109	105	961752	56.22	ug/kg	98
88) bromobenzene	14.395	156	285306	55.21	ug/kg	94
89) 1,1,2,2-tetrachloroethane	13.752	83	149103	52.67	ug/kg	100
90) 1,2,3-trichloropropane	13.895	75	152102	54.27	ug/kg	98
91) n-propylbenzene	14.556	91	1030346	55.39	ug/kg	99
92) 2-chlorotoluene	14.677	91	625708	53.43	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72946.D
Acq On : 8 Aug 2013 3:02 am
Operator : GaryK
Sample : icv2374-50
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Aug 08 09:22:43 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

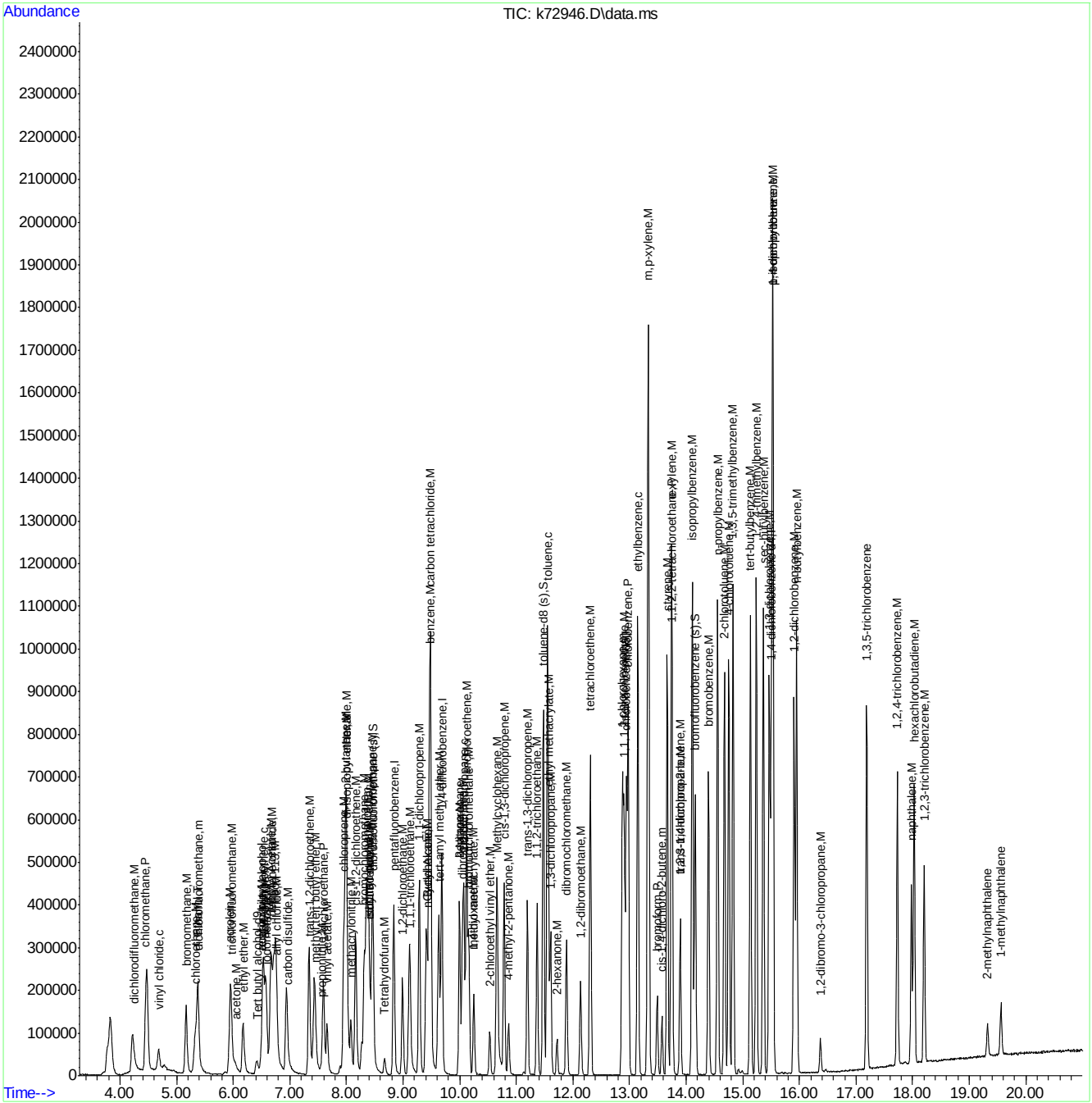
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 4-chlorotoluene	14.753	91	650110	54.75	ug/kg	95
94) 1,3,5-trimethylbenzene	14.827	105	767757	55.29	ug/kg	98
95) tert-butylbenzene	15.135	91	404777	55.20	ug/kg	93
96) 1,2,4-trimethylbenzene	15.239	105	783339	55.53	ug/kg	97
97) sec-butylbenzene	15.363	105	964606	55.00	ug/kg	98
98) 1,3-dichlorobenzene	15.467	146	516572	52.54	ug/kg	96
99) p-isopropyltoluene	15.530	119	805682	58.26	ug/kg	98
100) 1,4-dichlorobenzene	15.529	146	514045	54.74	ug/kg	98
101) 1,2-dichlorobenzene	15.908	146	476405	52.94	ug/kg	98
102) n-butylbenzene	15.951	91	692215	56.76	ug/kg	100
103) 1,2-dibromo-3-chloropr...	16.371	75	19420	50.07	ug/kg	92
104) 1,3,5-trichlorobenzene	17.189	180	338293	59.72	ug/kg	99
105) 1,2,4-trichlorobenzene	17.730	180	269633	54.59	ug/kg	100
106) hexachlorobutadiene	18.026	225	162187	56.73	ug/kg	100
107) naphthalene	17.979	128	416237	53.30	ug/kg	100
108) 1,2,3-trichlorobenzene	18.204	180	187727	53.87	ug/kg	99
109) 2-methylnaphthalene	19.323	142	49358m	23.95	ug/kg	
110) 1-methylnaphthalene	19.559	TIC	255934m	55.42	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72946.D
Acq On : 8 Aug 2013 3:02 am
Operator : GaryK
Sample : icv2374-50
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Aug 08 09:22:43 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23228

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 08/09/13 09:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72949.D
Acq On : 8 Aug 2013 8:58 am
Operator : GaryK
Sample : cc2374-50
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 08 09:47:03 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.420	65	58282	500.00	ug/kg	0.00
4) pentafluorobenzene	8.835	168	375059	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.682	114	535064	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.940	82	224425	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.500	152	269400	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.464	113	182830	47.09	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.18%			
63) toluene-d8 (s)	11.476	98	654531	48.79	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.58%			
87) bromofluorobenzene (s)	14.159	95	236435	45.92	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.84%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.506	59	79672	534.22	ug/kg	93
3) Ethanol	5.361	45	95782	5107.29	ug/kg#	100
5) dichlorodifluoromethane	4.228	85	232130	57.25	ug/kg	98
6) chloromethane	4.441	50	163576m	67.07	ug/kg	
7) vinyl chloride	4.677	62	116628	58.94	ug/kg	97
8) bromomethane	5.168	96	148331	51.67	ug/kg	98
9) chloroethane	5.329	64	95873	55.98	ug/kg	98
10) dichlorofluoromethane	5.374	67	284801	54.89	ug/kg	100
11) ethyl ether	6.174	59	99978	49.19	ug/kg	96
12) acetonitrile	6.505	41	17675	41.28	ug/kg	90
13) trichlorofluoromethane	5.958	101	315949	53.71	ug/kg	97
14) freon-113	6.727	101	178715	54.70	ug/kg	94
15) acrolein	5.921	56	31898	252.36	ug/kg	95
16) 1,1-dichloroethene	6.539	96	171040	53.25	ug/kg	90
17) acetone	6.044	43	23569	42.82	ug/kg	92
18) Methyl Acetate	6.665	43	113239	45.41	ug/kg#	89
19) methylene chloride	6.674	84	185089	52.47	ug/kg	92
20) methyl tert butyl ether	7.446	73	353353	48.93	ug/kg	97
21) acrylonitrile	6.544	53	32379	48.50	ug/kg	94
22) allyl chloride	6.760	41	224225	54.56	ug/kg	86
23) trans-1,2-dichloroethene	7.348	96	202904	52.93	ug/kg	98
24) iodomethane	6.585	142	368769	57.41	ug/kg	97
25) carbon disulfide	6.954	76	495675	55.75	ug/kg	100
26) propionitrile	7.561	54	11529	46.09	ug/kg	100
27) vinyl acetate	7.658	43	244433	50.96	ug/kg	94
28) chloroprene	7.953	53	204806	53.88	ug/kg	97
29) di-isopropyl ether	8.004	45	473020	51.95	ug/kg	88
30) methacrylonitrile	8.077	41	67350	45.08	ug/kg	87
31) 2-butanone	7.979	72	11424	42.88	ug/kg#	1
32) Hexane	7.989	41	229002	53.97	ug/kg#	78
33) 1,1-dichloroethane	7.593	63	250968	51.81	ug/kg	99
34) tert-butyl ethyl ether	8.394	59	390099	51.21	ug/kg	97
35) isobutyl alcohol	8.400	43	61485	249.30	ug/kg	97
36) 2,2-dichloropropane	8.455	77	216463	61.97	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72949.D
Acq On : 8 Aug 2013 8:58 am
Operator : GaryK
Sample : cc2374-50
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 08 09:47:03 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.161	96	211208	49.31	ug/kg	95
38) ethyl acetate	8.401	43	61568	50.03	ug/kg	98
39) bromochloromethane	8.313	128	106248	50.57	ug/kg	96
40) chloroform	8.354	83	295086	52.43	ug/kg	100
42) Tetrahydrofuran	8.672	42	24844	42.73	ug/kg	85
43) 1,1,1-trichloroethane	9.121	97	275444	54.42	ug/kg	98
44) n-Butyl Alcohol	9.420	56	232605	1375.04	ug/kg	90
46) Cyclohexane	9.420	56	232605	55.55	ug/kg	98
47) carbon tetrachloride	9.478	117	240527	54.47	ug/kg	99
48) 1,1-dichloropropene	9.285	75	229008	54.08	ug/kg	94
49) benzene	9.483	78	662498	49.97	ug/kg	100
50) 1,2-dichloroethane	8.988	62	188925	49.09	ug/kg	98
51) tert-amyl methyl ether	9.632	73	374703	50.03	ug/kg	94
52) heptane	9.996	43	213010	60.35	ug/kg	84
53) 2-Nitropropane	9.996	43	213010	59.00	ug/kg	96
54) trichloroethene	10.119	95	205808	51.53	ug/kg	93
55) 1,2-dichloropropane	10.072	63	161078	51.33	ug/kg	99
56) dibromomethane	10.045	93	92843	49.10	ug/kg	94
57) bromodichloromethane	10.157	83	226461	51.20	ug/kg	98
58) Methylcyclohexane	10.662	83	283137	56.66	ug/kg	98
59) 2-chloroethyl vinyl ether	10.529	63	74049	47.02	ug/kg	99
60) methyl methacrylate	10.248	69	66924	45.43	ug/kg	83
61) 1,4-dioxane	10.252	88	5037	219.44	ug/kg	93
62) cis-1,3-dichloropropene	10.783	75	285178	53.48	ug/kg	93
64) 4-methyl-2-pentanone	10.863	43	84907	48.06	ug/kg	88
65) toluene	11.548	92	472610	53.03	ug/kg	98
66) trans-1,3-dichloropropene	11.195	75	231191	53.28	ug/kg	95
67) 1,1,2-trichloroethane	11.366	83	120933	48.98	ug/kg	99
68) ethyl methacrylate	11.568	69	129337	47.11	ug/kg	87
70) tetrachloroethene	12.306	166	237516	54.58	ug/kg	98
71) 1,3-dichloropropane	11.605	76	207270	48.78	ug/kg	98
72) dibromochloromethane	11.886	129	195644	51.54	ug/kg	100
73) 1,2-dibromoethane	12.134	107	159130	49.23	ug/kg	99
74) 2-hexanone	11.719	43	51410	43.34	ug/kg	92
75) chlorobenzene	12.975	112	608655	51.22	ug/kg	98
76) 1-chlorohexane	12.872	91	266683	58.11	ug/kg	97
77) 1,1,1,2-tetrachloroethane	12.901	131	220770	53.10	ug/kg	97
78) ethylbenzene	13.146	91	903076	54.42	ug/kg	98
79) m,p-xylene	13.329	106	773241	109.36	ug/kg	100
80) o-xylene	13.742	106	384082	54.91	ug/kg	100
81) styrene	13.665	104	607922	53.90	ug/kg	94
82) bromoform	13.486	173	95206	50.16	ug/kg	99
83) cis-1,4-dichloro-2-butene	13.573	88	43039	51.90	ug/kg	91
84) trans-1,4-dichloro-2-b...	13.893	53	27433	55.18	ug/kg#	83
86) isopropylbenzene	14.108	105	990148	54.95	ug/kg	100
88) bromobenzene	14.394	156	273429	50.23	ug/kg	91
89) 1,1,2,2-tetrachloroethane	13.751	83	138615	46.49	ug/kg	99
90) 1,2,3-trichloropropane	13.893	75	143333	48.54	ug/kg	98
91) n-propylbenzene	14.554	91	1071370	54.68	ug/kg	98
92) 2-chlorotoluene	14.675	91	648502	52.56	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72949.D
Acq On : 8 Aug 2013 8:58 am
Operator : GaryK
Sample : cc2374-50
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 08 09:47:03 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

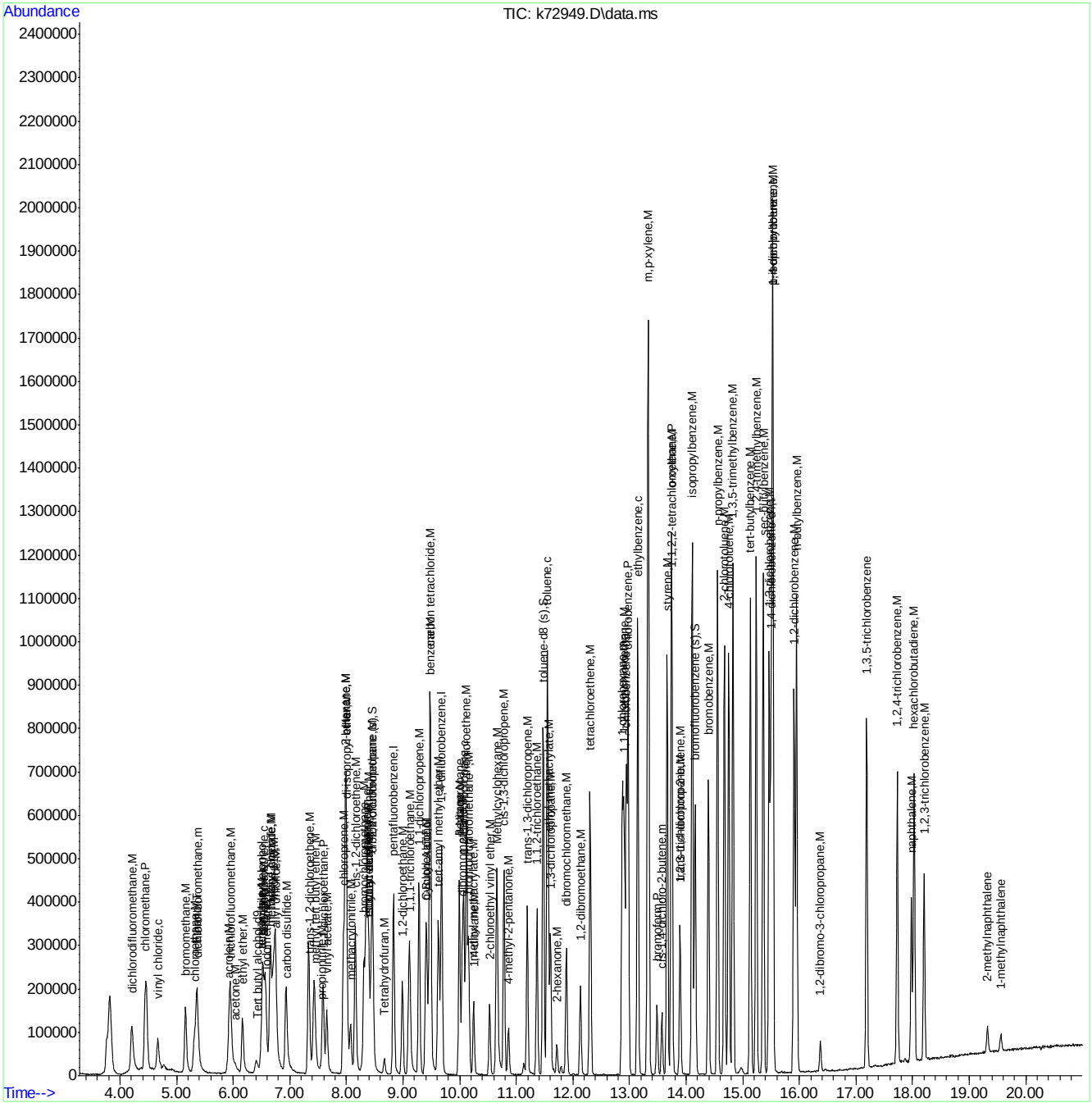
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.752	91	647250	51.74	ug/kg	97
94)	1,3,5-trimethylbenzene	14.826	105	792600	54.18	ug/kg	98
95)	tert-butylbenzene	15.133	91	417354	54.02	ug/kg	95
96)	1,2,4-trimethylbenzene	15.237	105	801321	53.92	ug/kg	98
97)	sec-butylbenzene	15.362	105	1016512	55.02	ug/kg	98
98)	1,3-dichlorobenzene	15.466	146	532988	51.46	ug/kg	97
99)	p-isopropyltoluene	15.529	119	788306	54.11	ug/kg	97
100)	1,4-dichlorobenzene	15.528	146	504547	51.00	ug/kg	95
101)	1,2-dichlorobenzene	15.907	146	488194	51.50	ug/kg	98
102)	n-butylbenzene	15.950	91	716620	55.78	ug/kg	100
103)	1,2-dibromo-3-chloropr...	16.369	75	17547	42.94	ug/kg	93
104)	1,3,5-trichlorobenzene	17.188	180	318230	53.33	ug/kg	99
105)	1,2,4-trichlorobenzene	17.729	180	261100	50.18	ug/kg	100
106)	hexachlorobutadiene	18.025	225	161939	53.77	ug/kg	98
107)	naphthalene	17.978	128	378441	46.00	ug/kg	100
108)	1,2,3-trichlorobenzene	18.203	180	173247	47.19	ug/kg	98
109)	2-methylnaphthalene	19.321	142	38497	17.73	ug/kg	96
110)	1-methylnaphthalene	19.563	TIC	86040m	17.68	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72949.D
Acq On : 8 Aug 2013 8:58 am
Operator : GaryK
Sample : cc2374-50
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 08 09:47:03 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Doug Yargeau
08/09/13 15:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72987.D
Acq On : 9 Aug 2013 9:45 am
Operator : GaryK
Sample : cc2374-50
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 10:34:55 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.428	65	57918	500.00	ug/kg	0.00
4) pentafluorobenzene	8.840	168	387437	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.686	114	553541	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.941	82	230321	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	272635	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.470	113	192135	47.91	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.82%			
63) toluene-d8 (s)	11.478	98	684856	49.35	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.70%			
87) bromofluorobenzene (s)	14.160	95	249075	47.80	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.60%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.513	59	77684	524.16	ug/kg	89
3) Ethanol	5.372	45	93009	4990.60	ug/kg#	100
5) dichlorodifluoromethane	4.245	85	222039	53.02	ug/kg	100
6) chloromethane	4.459	50	153545m	59.55	ug/kg	
7) vinyl chloride	4.694	62	113653	55.60	ug/kg	99
8) bromomethane	5.178	96	144960	48.88	ug/kg	98
9) chloroethane	5.340	64	94489	53.41	ug/kg	96
10) dichlorofluoromethane	5.386	67	276879	51.66	ug/kg	100
11) ethyl ether	6.185	59	101246	48.22	ug/kg	92
12) acetonitrile	6.514	41	18578	42.01	ug/kg	100
13) trichlorofluoromethane	5.968	101	317597	52.27	ug/kg	98
14) freon-113	6.735	101	181069	53.65	ug/kg	91
15) acrolein	5.933	56	33330	255.26	ug/kg	92
16) 1,1-dichloroethene	6.545	96	167769	50.56	ug/kg	90
17) acetone	6.056	43	23661	41.61	ug/kg	95
18) Methyl Acetate	6.673	43	111801	43.40	ug/kg#	91
19) methylene chloride	6.685	84	184930	50.75	ug/kg	95
20) methyl tert butyl ether	7.454	73	360941	48.38	ug/kg	100
21) acrylonitrile	6.554	53	31769	46.06	ug/kg	97
22) allyl chloride	6.773	41	228569	53.84	ug/kg	84
23) trans-1,2-dichloroethene	7.352	96	203513	51.39	ug/kg	94
24) iodomethane	6.596	142	360946	54.40	ug/kg	96
25) carbon disulfide	6.964	76	492242	53.60	ug/kg	98
26) propionitrile	7.569	54	12311	47.64	ug/kg	100
27) vinyl acetate	7.664	43	251820	50.82	ug/kg	96
28) chloroprene	7.961	53	215519	54.89	ug/kg	100
29) di-isopropyl ether	8.009	45	477657	50.78	ug/kg	91
30) methacrylonitrile	8.085	41	65425	42.39	ug/kg	85
31) 2-butanone	7.984	72	12042	43.76	ug/kg#	1
32) Hexane	7.994	41	231074	52.72	ug/kg#	78
33) 1,1-dichloroethane	7.603	63	258107	51.59	ug/kg	97
34) tert-butyl ethyl ether	8.399	59	395546	50.26	ug/kg	98
35) isobutyl alcohol	8.403	43	60528	237.58	ug/kg	91
36) 2,2-dichloropropane	8.461	77	216116m	59.89	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72987.D
Acq On : 9 Aug 2013 9:45 am
Operator : GaryK
Sample : cc2374-50
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 10:34:55 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.171	96	225602	50.99	ug/kg	96
38) ethyl acetate	8.404	43	60523	47.61	ug/kg	92
39) bromochloromethane	8.320	128	109520	50.46	ug/kg	96
40) chloroform	8.360	83	301308	51.82	ug/kg	96
42) Tetrahydrofuran	8.677	42	25041	41.69	ug/kg	90
43) 1,1,1-trichloroethane	9.127	97	278874	53.34	ug/kg	97
44) n-Butyl Alcohol	9.424	56	237807	1360.88	ug/kg	89
46) Cyclohexane	9.424	56	237644	54.86	ug/kg	96
47) carbon tetrachloride	9.483	117	241321	52.83	ug/kg	100
48) 1,1-dichloropropene	9.289	75	237467	54.21	ug/kg	94
49) benzene	9.487	78	690093	50.32	ug/kg	99
50) 1,2-dichloroethane	8.992	62	195110	49.01	ug/kg	99
51) tert-amyl methyl ether	9.636	73	382938	49.42	ug/kg	92
52) heptane	9.999	43	220880	60.49	ug/kg	85
53) 2-Nitropropane	9.999	43	220880	59.14	ug/kg	98
54) trichloroethene	10.123	95	212725	51.49	ug/kg	93
55) 1,2-dichloropropane	10.076	63	167564	51.61	ug/kg	98
56) dibromomethane	10.049	93	95636	48.89	ug/kg	95
57) bromodichloromethane	10.161	83	232092	50.72	ug/kg	100
58) Methylcyclohexane	10.664	83	281313	54.42	ug/kg	96
59) 2-chloroethyl vinyl ether	10.532	63	78107	47.95	ug/kg	99
60) methyl methacrylate	10.251	69	70359	46.17	ug/kg	81
61) 1,4-dioxane	10.249	88	4909	206.73	ug/kg	82
62) cis-1,3-dichloropropene	10.786	75	297677	53.96	ug/kg	92
64) 4-methyl-2-pentanone	10.865	43	84666	46.33	ug/kg	89
65) toluene	11.550	92	494523	53.63	ug/kg	96
66) trans-1,3-dichloropropene	11.197	75	238600	53.15	ug/kg	97
67) 1,1,2-trichloroethane	11.368	83	124483	48.73	ug/kg	96
68) ethyl methacrylate	11.570	69	135637	47.76	ug/kg	85
70) tetrachloroethene	12.308	166	250487	56.09	ug/kg	99
71) 1,3-dichloropropane	11.607	76	214433	49.18	ug/kg	100
72) dibromochloromethane	11.888	129	204815	52.58	ug/kg	98
73) 1,2-dibromoethane	12.136	107	166623	50.23	ug/kg	100
74) 2-hexanone	11.720	43	53253	43.75	ug/kg	91
75) chlorobenzene	12.977	112	643946	52.80	ug/kg	94
76) 1-chlorohexane	12.873	91	279217	59.29	ug/kg	98
77) 1,1,1,2-tetrachloroethane	12.903	131	224964	52.73	ug/kg	98
78) ethylbenzene	13.147	91	937502	55.05	ug/kg	100
79) m,p-xylene	13.330	106	806541	111.15	ug/kg	98
80) o-xylene	13.743	106	394434	54.94	ug/kg	98
81) styrene	13.666	104	635170	54.87	ug/kg	95
82) bromoform	13.488	173	98944	50.80	ug/kg	98
83) cis-1,4-dichloro-2-butene	13.574	88	46420	54.53	ug/kg	92
84) trans-1,4-dichloro-2-b...	13.894	53	30340	59.46	ug/kg#	75
86) isopropylbenzene	14.108	105	1007664	55.25	ug/kg	100
88) bromobenzene	14.395	156	288307	52.34	ug/kg	92
89) 1,1,2,2-tetrachloroethane	13.752	83	139874	46.35	ug/kg	99
90) 1,2,3-trichloropropane	13.895	75	149629	50.07	ug/kg	100
91) n-propylbenzene	14.555	91	1094548	55.20	ug/kg	97
92) 2-chlorotoluene	14.676	91	662099	53.03	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72987.D
Acq On : 9 Aug 2013 9:45 am
Operator : GaryK
Sample : cc2374-50
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 10:34:55 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

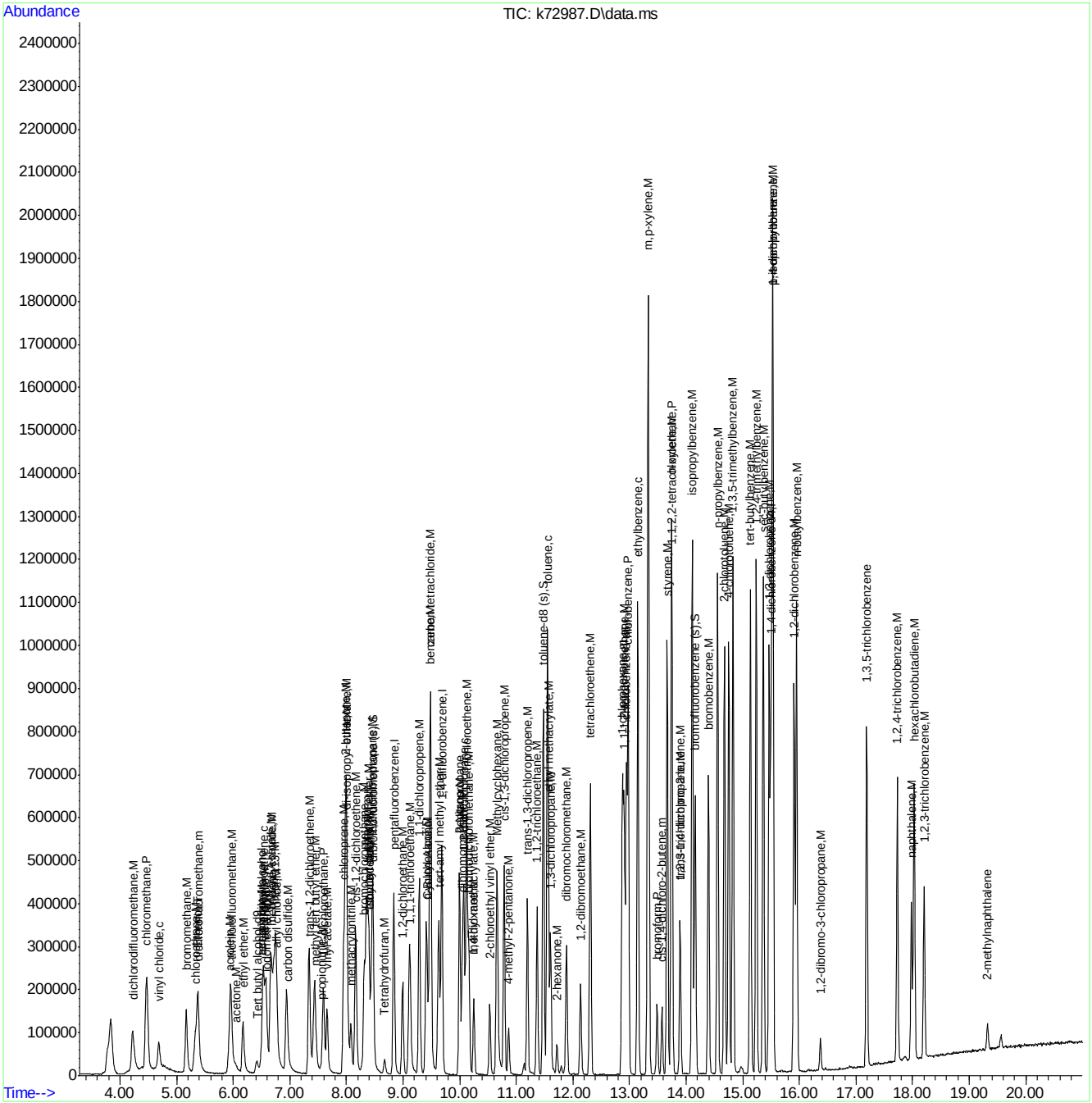
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.753	91	670966	53.00	ug/kg	95
94)	1,3,5-trimethylbenzene	14.827	105	798760	53.95	ug/kg	98
95)	tert-butylbenzene	15.134	91	428115	54.76	ug/kg	93
96)	1,2,4-trimethylbenzene	15.238	105	813591	54.10	ug/kg	98
97)	sec-butylbenzene	15.363	105	1026097	54.88	ug/kg	100
98)	1,3-dichlorobenzene	15.467	146	547688	52.25	ug/kg	98
99)	p-isopropyltoluene	15.530	119	796979	54.06	ug/kg	98
100)	1,4-dichlorobenzene	15.529	146	514010	51.34	ug/kg	98
101)	1,2-dichlorobenzene	15.907	146	498072	51.92	ug/kg	98
102)	n-butylbenzene	15.950	91	722205	55.55	ug/kg	97
103)	1,2-dibromo-3-chloropr...	16.371	75	17373	42.01	ug/kg	100
104)	1,3,5-trichlorobenzene	17.189	180	321477	53.24	ug/kg	100
105)	1,2,4-trichlorobenzene	17.730	180	257177	48.84	ug/kg	100
106)	hexachlorobutadiene	18.026	225	161115	52.86	ug/kg	97
107)	naphthalene	17.979	128	368728	44.29	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	165265	44.48	ug/kg	99
109)	2-methylnaphthalene	19.323	142	36351m	16.55	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72987.D
Acq On : 9 Aug 2013 9:45 am
Operator : GaryK
Sample : cc2374-50
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 10:34:55 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



Accutest Laboratories of New England, Inc. **Instrument: GCMS K**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS 9330	8260 25	250ppb
9307	5S	200ppb
9329	CAL	↓
9311	↓ BS	

Daily Saved File

Tune file 1:	K72935
Tune file 2:	—
Initial Cal:	K130807S.m
ID File:	
ICAL Verified:	K72946
Sequence verified:	ke

Date: 8-7-13 Night

Batch ID: MSK2374

Analysts GK

Signature:

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
K72933	blk	—	MSG4614	8260cfree	29	S	10.0g	NA	50x	NA	✓
34	↓	↓			30						✓
35	BFB Tune	1			31						✓ 9:55pm
36	ic2374-0.5	2			32						✓
37	2				33						✓
38	5				34						✓
39	25				35						✓
40	icc 50				36						✓
41	100				37						✓
42	200				38						X BAD PURGE
43	↓ 400	↓			39						✓
44	blk	—			40						✓
45	↓	↓			41						✓
46	ICV-2374-50	2			42						✓
47	↓	↓	↓	↓	43	↓	↓	↓	↓	↓	✓ 3:30pm

GK 8-8-13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

Review:_____

Accutest Laboratories of New England, Inc. **Instrument: GCMS K**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS 9330	8260 IS	250 ppb
9307	SS	200 ppb
9327	CAL	
9311	BS	

Daily Saved File

Tune file 1:	K72949
Tune file 2:	
Initial Cal:	08-07-13
ID File:	K130807S.m
ICAL Verified:	K72946
Sequence verified:	KLR

Date: 8-8-13

Batch ID: MSK 2375

Analysts GK

Signature: Gary Kravarski

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
K72948	blk	—	MS29620	8260	1	S	10.0g	NA	50X	NA	✓
49	BFB/CC23745-50	1			2						✓ 8:58am
50	BS	2			3						✓
51	BSD	↓			4						✓
52	blk	—			5						✓
53	MB	↓			6		↓				✓
54	MC23133-1	5		SL	7		6.11				✓
55	MC23223-24	2		STD+MTBE	8		37.39		↓		✓
56	23	↓	MS29614		9		37.41		500X		✓
57	27	↓	MS29620	↓	10		34.43		↓		✓
58	MC23218-4	4			11		4.11		50X		✓
59	6	↓			12		6.37		↓		✓
60	7				13		5.59				✓
61	9				14		5.10				✓
62	10				15		5.61				✓
63	14	↓		↓	16		3.50				✓
64	MC23133-1 MS	5		SL	17		6.11				✓
65	-1 MSD	↓		↓	18		↓				✓
66	MC23218-8	4		STD+MTBE	19		5.32		500X		✓
67	MC23272-1	1		TCL42+	20		10.505		50X		✓
68	2	↓			21		11.431		↓		✓
69	3				22		9.275				✓
70	4	↓		↓	23		9.350				RR 500X ~~tet~~ tetra
71	MC23228-1				24		11.134				RR 50X 4/a
72	-2	↓			25		9.666				✓
73	MC23258-1	2		RCP	26		13.02		25X		✓
74	2	↓		↓	27		12.68		↓		✓
75	MC23228-3	↓		TCL42+	28		10.177		50X		✓ 8:49pm
76	blk	—	↓	—	29	↓	—	↓	↓	↓	✓
					GK	8-9-13					

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review: 8/9/13

ACCUTEST LABORATORIES MC23228

Accutest Laboratories of New England, Inc. **Instrument: GCMS K**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9330	8260 IS	250ppb
9307	SS	200ppb
9327	CAL	"
9311	BS	"

Daily Saved File

Tune file 1:	K72987
Tune file 2:	
Initial Cal:	080713
ID File:	K130807S.m
ICAL Verified:	K72946
Sequence verified:	KR

Date: 8-9-13

Batch ID: MSK 2376

Analysts GK

Signature: Gary Kramer

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
K72986	blk	—	MS29626	8260	1	S	10.0g	NA	50x	NA	✓
87	BFB/MC23274-SD	1			2						✓✓ 9:45AM
88	BS	2			3						✓
89	BSD	↓			4						✓
90	blk	—			5						✓
91	MB	↓		↓	6		↓				✓
92	MC23223-29	2		STD+MTBE	7		13.81				✓
93	MC23228-1	1		TCL42 (4)	8		11.134				✓
94	↓ -1MS	↓		↓	9		↓				✓
95	-1MSD	↓	↓	↓	10		↓		↓		✓
96	MC23272-4	↓	MS29620	↓	11		9.350		500x		✓
97	MC23137-6	3	MS29626	MIUG	12		12.44		50x		✓
98	8	↓	↓	↓	13		13.93		↓		✓
99	9	↓	↓	↓	14		14.08		↓		✓
K73000	11	↓	↓	↓	15		14.00		↓		✓
01	12	↓	↓	↓	16		12.82		↓		✓
02	15	↓	↓	↓	17		13.18		↓		✓ Confirmation Run needed?
03	16	2	↓	↓	18		13.37		↓		✓
04	(6) 8-12-13 -18 ~~-19~~	3	↓	↓	19		14.62		↓		✓
05	-17 ~~-18~~	↓	↓	↓	20		14.05		↓		500x Tol, mp, TMB
06	19	2	↓	↓	21		13.53		↓		50x C/O
07	20	3	↓	↓	22		12.74		↓		✓
08	21	↓	↓	↓	23		13.30		↓		✓
09	22	↓	↓	↓	24		13.90		↓		500x TMB
10	23	↓	↓	↓	25		14.61		↓		500x Tol
11	MC23283-1	2	↓	STAR	26		9.793		↓		50x C/O benz
12	2	↓	↓	↓	27		10.850		↓		✓
13	3	↓	↓	↓	28		10.193		↓		✓ 9:36pm
14	blk	—	↓	—	29	↓	—	↓	↓	↓	clean

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

New England ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-MB	F66062.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23228-1, MC23228-2, MC23228-3

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	250	11	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	500	13	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	500	14	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	500	81	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1000	120	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	500	62	ug/kg	
95-48-7	2-Methylphenol	ND	500	20	ug/kg	
	3&4-Methylphenol	ND	500	24	ug/kg	
88-75-5	2-Nitrophenol	ND	500	13	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	94	ug/kg	
87-86-5	Pentachlorophenol	ND	500	35	ug/kg	
108-95-2	Phenol	ND	250	14	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	500	12	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	500	12	ug/kg	
83-32-9	Acenaphthene	ND	100	13	ug/kg	
208-96-8	Acenaphthylene	ND	100	10	ug/kg	
98-86-2	Acetophenone	ND	500	11	ug/kg	
120-12-7	Anthracene	ND	100	12	ug/kg	
1912-24-9	Atrazine	ND	500	500	ug/kg	
100-52-7	Benzaldehyde	ND	500	500	ug/kg	
56-55-3	Benzo(a)anthracene	ND	100	13	ug/kg	
50-32-8	Benzo(a)pyrene	ND	100	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	100	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	100	10	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	100	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	500	100	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	250	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	250	10	ug/kg	
105-60-2	Caprolactam	ND	500	500	ug/kg	
91-58-7	2-Chloronaphthalene	ND	250	14	ug/kg	
106-47-8	4-Chloroaniline	ND	500	12	ug/kg	
86-74-8	Carbazole	ND	100	12	ug/kg	
218-01-9	Chrysene	ND	100	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	250	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	250	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	250	18	ug/kg	

Method Blank Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-MB	F66062.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23228-1, MC23228-2, MC23228-3

CAS No.	Compound	Result	RL	MDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	ND	250	15	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	500	33	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	500	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	250	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	100	12	ug/kg	
132-64-9	Dibenzofuran	ND	100	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	250	26	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	250	7.8	ug/kg	
84-66-2	Diethyl phthalate	ND	250	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	250	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	250	9.2	ug/kg	
206-44-0	Fluoranthene	ND	100	14	ug/kg	
86-73-7	Fluorene	ND	100	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	250	16	ug/kg	
87-68-3	Hexachlorobutadiene	ND	250	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	500	120	ug/kg	
67-72-1	Hexachloroethane	ND	250	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	100	11	ug/kg	
78-59-1	Isophorone	ND	250	12	ug/kg	
91-57-6	2-Methylnaphthalene	ND	100	13	ug/kg	
88-74-4	2-Nitroaniline	ND	500	12	ug/kg	
99-09-2	3-Nitroaniline	ND	500	27	ug/kg	
100-01-6	4-Nitroaniline	ND	500	12	ug/kg	
91-20-3	Naphthalene	ND	100	16	ug/kg	
98-95-3	Nitrobenzene	ND	250	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	250	14	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	250	15	ug/kg	
85-01-8	Phenanthrene	ND	100	14	ug/kg	
129-00-0	Pyrene	ND	100	12	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	74%	30-130%
4165-62-2	Phenol-d5	77%	30-130%
118-79-6	2,4,6-Tribromophenol	69%	30-130%

Method Blank Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-MB	F66062.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23228-1, MC23228-2, MC23228-3

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	81%	30-130%
321-60-8	2-Fluorobiphenyl	78%	30-130%
1718-51-0	Terphenyl-d14	87%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
625-86-5	Furan, 2,5-dimethyl-	2.05	240	ug/kg	JN
	Total TIC, Semi-Volatile		240	ug/kg	J

Blank Spike Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-BS	F66063.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23228-1, MC23228-2, MC23228-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	2390	1870	78	30-130
59-50-7	4-Chloro-3-methyl phenol	2390	2290	96	30-130
120-83-2	2,4-Dichlorophenol	2390	2050	86	30-130
105-67-9	2,4-Dimethylphenol	2390	2160	90	30-130
51-28-5	2,4-Dinitrophenol	2390	1740	73	30-130
534-52-1	4,6-Dinitro-o-cresol	2390	2230	93	30-130
95-48-7	2-Methylphenol	2390	2360	99	30-130
	3&4-Methylphenol	4780	4570	96	30-130
88-75-5	2-Nitrophenol	2390	1860	78	30-130
100-02-7	4-Nitrophenol	2390	2640	111	30-130
87-86-5	Pentachlorophenol	2390	1840	77	30-130
108-95-2	Phenol	2390	2270	95	30-130
95-95-4	2,4,5-Trichlorophenol	2390	2170	91	30-130
88-06-2	2,4,6-Trichlorophenol	2390	1940	81	30-130
83-32-9	Acenaphthene	2390	2000	84	40-140
208-96-8	Acenaphthylene	2390	1560	65	40-140
98-86-2	Acetophenone	2390	4160	174* [a]	40-140
120-12-7	Anthracene	2390	2130	89	40-140
1912-24-9	Atrazine	2390	2160	90	40-140
100-52-7	Benzaldehyde	2390	1570	66	40-140
56-55-3	Benzo(a)anthracene	2390	2260	95	40-140
50-32-8	Benzo(a)pyrene	2390	2030	85	40-140
205-99-2	Benzo(b)fluoranthene	2390	2610	109	40-140
191-24-2	Benzo(g,h,i)perylene	2390	2080	87	40-140
207-08-9	Benzo(k)fluoranthene	2390	2010	84	40-140
92-52-4	1,1'-Biphenyl	2390	1840	77	40-140
101-55-3	4-Bromophenyl phenyl ether	2390	2090	87	40-140
85-68-7	Butyl benzyl phthalate	2390	2250	94	40-140
105-60-2	Caprolactam	2390	2180	91	40-140
91-58-7	2-Chloronaphthalene	2390	2190	92	40-140
106-47-8	4-Chloroaniline	2390	1790	75	40-140
86-74-8	Carbazole	2390	2170	91	40-140
218-01-9	Chrysene	2390	2120	89	40-140
111-91-1	bis(2-Chloroethoxy)methane	2390	2690	113	40-140
111-44-4	bis(2-Chloroethyl)ether	2390	1940	81	40-140
108-60-1	bis(2-Chloroisopropyl)ether	2390	2320	97	40-140

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-BS	F66063.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23228-1, MC23228-2, MC23228-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
7005-72-3	4-Chlorophenyl phenyl ether	2390	2120	89	40-140
121-14-2	2,4-Dinitrotoluene	2390	2270	95	40-140
606-20-2	2,6-Dinitrotoluene	2390	2050	86	40-140
91-94-1	3,3'-Dichlorobenzidine	2390	2030	85	40-140
53-70-3	Dibenzo(a,h)anthracene	2390	2190	92	40-140
132-64-9	Dibenzofuran	2390	1920	80	40-140
84-74-2	Di-n-butyl phthalate	2390	2220	93	40-140
117-84-0	Di-n-octyl phthalate	2390	2510	105	40-140
84-66-2	Diethyl phthalate	2390	2140	90	40-140
131-11-3	Dimethyl phthalate	2390	2040	85	40-140
117-81-7	bis(2-Ethylhexyl)phthalate	2390	2280	95	40-140
206-44-0	Fluoranthene	2390	2440	102	40-140
86-73-7	Fluorene	2390	2130	89	40-140
118-74-1	Hexachlorobenzene	2390	2000	84	40-140
87-68-3	Hexachlorobutadiene	2390	1900	80	40-140
77-47-4	Hexachlorocyclopentadiene	2390	931	39* [b]	40-140
67-72-1	Hexachloroethane	2390	1860	78	40-140
193-39-5	Indeno(1,2,3-cd)pyrene	2390	2150	90	40-140
78-59-1	Isophorone	2390	1990	83	40-140
91-57-6	2-Methylnaphthalene	2390	1810	76	40-140
88-74-4	2-Nitroaniline	2390	2070	87	40-140
99-09-2	3-Nitroaniline	2390	2000	84	40-140
100-01-6	4-Nitroaniline	2390	2020	85	40-140
91-20-3	Naphthalene	2390	1890	79	40-140
98-95-3	Nitrobenzene	2390	1930	81	40-140
621-64-7	N-Nitroso-di-n-propylamine	2390	2190	92	40-140
86-30-6	N-Nitrosodiphenylamine	2390	5000	209* [a]	40-140
85-01-8	Phenanthrene	2390	2140	90	40-140
129-00-0	Pyrene	2390	2180	91	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	76%	30-130%
4165-62-2	Phenol-d5	80%	30-130%
118-79-6	2,4,6-Tribromophenol	78%	30-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-BS	F66063.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23228-1, MC23228-2, MC23228-3

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	84%	30-130%
321-60-8	2-Fluorobiphenyl	81%	30-130%
1718-51-0	Terphenyl-d14	91%	30-130%

(a) Outside control limits. Associated samples are non-detect for this compound.
(b) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-MS	F66064.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058
OP34292-MSD	F66065.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058
MC23133-1 [a]	F66066.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23228-1, MC23228-2, MC23228-3

CAS No.	Compound	MC23133-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		2940	2000	68	1900	65	5	30-130/30
59-50-7	4-Chloro-3-methyl phenol	ND		2940	2580	88	2530	87	2	30-130/30
120-83-2	2,4-Dichlorophenol	ND		2940	2250	76	2010	69	11	30-130/30
105-67-9	2,4-Dimethylphenol	ND		2940	2370	81	2410	83	2	30-130/30
51-28-5	2,4-Dinitrophenol	ND		2940	ND	0* [b]	ND	0* [b]	nc	30-130/30
534-52-1	4,6-Dinitro-o-cresol	ND		2940	1060	36	1030	35	3	30-130/30
95-48-7	2-Methylphenol	ND		2940	2590	88	2600	89	0	30-130/30
	3&4-Methylphenol	ND		5890	4920	84	4770	82	3	30-130/30
88-75-5	2-Nitrophenol	ND		2940	1950	66	1830	63	6	30-130/30
100-02-7	4-Nitrophenol	ND		2940	2880	98	3310	114	14	30-130/30
87-86-5	Pentachlorophenol	ND		2940	1030	35	1070	37	4	30-130/30
108-95-2	Phenol	ND		2940	2350	80	2420	83	3	30-130/30
95-95-4	2,4,5-Trichlorophenol	ND		2940	2300	78	2340	80	2	30-130/30
88-06-2	2,4,6-Trichlorophenol	ND		2940	2030	69	2030	70	0	30-130/30
83-32-9	Acenaphthene	1310		2940	3380	70	3420	72	1	40-140/30
208-96-8	Acenaphthylene	232	J	2940	1850	55	1890	57	2	40-140/30
98-86-2	Acetophenone	ND		2940	4310	146* [c]	4180	143* [c]	3	40-140/30
120-12-7	Anthracene	1710		2940	3980	77	4080	81	2	40-140/30
1912-24-9	Atrazine	ND		2940	ND	0* [b]	ND	0* [b]	nc	40-140/30
100-52-7	Benzaldehyde	ND		2940	ND	0* [b]	ND	0* [b]	nc	40-140/30
56-55-3	Benzo(a)anthracene	2260		2940	5270	102	5280	104	0	40-140/30
50-32-8	Benzo(a)pyrene	1950		2940	4650	92	4480	87	4	40-140/30
205-99-2	Benzo(b)fluoranthene	1750		2940	4700	100	4960	110	5	40-140/30
191-24-2	Benzo(g,h,i)perylene	1210		2940	3950	93	3950	94	0	40-140/30
207-08-9	Benzo(k)fluoranthene	1520		2940	4260	93	3740	76	13	40-140/30
92-52-4	1,1'-Biphenyl	ND		2940	2150	73	2180	75	1	40-140/30
101-55-3	4-Bromophenyl phenyl ether	ND		2940	2160	73	2180	75	1	40-140/30
85-68-7	Butyl benzyl phthalate	ND		2940	2410	82	2520	86	4	40-140/30
105-60-2	Caprolactam	ND		2940	ND	0* [b]	ND	0* [b]	nc	40-140/30
91-58-7	2-Chloronaphthalene	ND		2940	2380	81	2380	82	0	40-140/30
106-47-8	4-Chloroaniline	ND		2940	1710	58	1670	57	2	40-140/30
86-74-8	Carbazole	734		2940	3140	82	3220	85	3	40-140/30
218-01-9	Chrysene	2380		2940	5190	95	5090	93	2	40-140/30
111-91-1	bis(2-Chloroethoxy)methane	ND		2940	2840	97	2640	91	7	40-140/30
111-44-4	bis(2-Chloroethyl)ether	ND		2940	2010	68	1930	66	4	40-140/30
108-60-1	bis(2-Chloroisopropyl)ether	ND		2940	2440	83	2390	82	2	40-140/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-MS	F66064.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058
OP34292-MSD	F66065.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058
MC23133-1 [a]	F66066.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23228-1, MC23228-2, MC23228-3

CAS No.	Compound	MC23133-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
7005-72-3	4-Chlorophenyl phenyl ether	ND		2940	2260	77	2260	78	0	40-140/30
121-14-2	2,4-Dinitrotoluene	ND		2940	2430	83	2460	84	1	40-140/30
606-20-2	2,6-Dinitrotoluene	ND		2940	2110	72	2120	73	0	40-140/30
91-94-1	3,3'-Dichlorobenzidine	ND		2940	2170	74	2290	79	5	40-140/30
53-70-3	Dibenzo(a,h)anthracene	402	J	2940	3050	90	3090	92	1	40-140/30
132-64-9	Dibenzofuran	948		2940	3020	70	3050	72	1	40-140/30
84-74-2	Di-n-butyl phthalate	ND		2940	2450	83	2510	86	2	40-140/30
117-84-0	Di-n-octyl phthalate	ND		2940	3020	103	3160	108	5	40-140/30
84-66-2	Diethyl phthalate	ND		2940	2330	79	2390	82	3	40-140/30
131-11-3	Dimethyl phthalate	ND		2940	2160	73	2220	76	3	40-140/30
117-81-7	bis(2-Ethylhexyl)phthalate	ND		2940	2650	90	2700	93	2	40-140/30
206-44-0	Fluoranthene	6990		2940	11600	157* [d]	11300	148* [d]	3	40-140/30
86-73-7	Fluorene	1440		2940	3510	70	3680	77	5	40-140/30
118-74-1	Hexachlorobenzene	ND		2940	2070	70	2100	72	1	40-140/30
87-68-3	Hexachlorobutadiene	ND		2940	2020	69	1940	67	4	40-140/30
77-47-4	Hexachlorocyclopentadiene	ND		2940	ND	0* [e]	ND	0* [e]	nc	40-140/30
67-72-1	Hexachloroethane	ND		2940	1900	65	1820	62	4	40-140/30
193-39-5	Indeno(1,2,3-cd)pyrene	1120		2940	3720	88	3720	89	0	40-140/30
78-59-1	Isophorone	ND		2940	2100	71	2020	69	4	40-140/30
91-57-6	2-Methylnaphthalene	823		2940	2670	63	2580	60	3	40-140/30
88-74-4	2-Nitroaniline	ND		2940	2110	72	2150	74	2	40-140/30
99-09-2	3-Nitroaniline	ND		2940	2070	70	2090	72	1	40-140/30
100-01-6	4-Nitroaniline	ND		2940	2110	72	2220	76	5	40-140/30
91-20-3	Naphthalene	4750		2940	5200	15* [b]	5690	32* [b]	9	40-140/30
98-95-3	Nitrobenzene	ND		2940	2180	74	2000	69	9	40-140/30
621-64-7	N-Nitroso-di-n-propylamine	ND		2940	2290	78	2190	75	4	40-140/30
86-30-6	N-Nitrosodiphenylamine	ND		2940	5400	184* [c]	5360	184* [c]	1	40-140/30
85-01-8	Phenanthrene	6440		2940	9280	97	9790	115	5	40-140/30
129-00-0	Pyrene	5070		2940	8590	120	8760	127	2	40-140/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23133-1	Limits
367-12-4	2-Fluorophenol	61%	62%	69%	30-130%
4165-62-2	Phenol-d5	68%	68%	77%	30-130%
118-79-6	2,4,6-Tribromophenol	59%	60%	52%	30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-MS	F66064.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058
OP34292-MSD	F66065.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058
MC23133-1 [a]	F66066.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23228-1, MC23228-2, MC23228-3

CAS No.	Surrogate Recoveries	MS	MSD	MC23133-1	Limits
4165-60-0	Nitrobenzene-d5	76%	69%	78%	30-130%
321-60-8	2-Fluorobiphenyl	73%	72%	77%	30-130%
1718-51-0	Terphenyl-d14	78%	80%	83%	30-130%

(a) Elevated RL due to dilution required for matrix interference.
(b) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(c) Outside control limits. Associated samples are non-detect for this compound.
(d) Outside control limits due to high level in sample relative to spike amount.
(e) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSF3031-DFTPP
Lab File ID: F65348.D
Instrument ID: GCMSF
Injection Date: 07/01/13
Injection Time: 15:51

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	13986	31.1		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	17861	39.7		Pass
70	Less than 2.0% of mass 69	53	0.12	(0.30) [a]	Pass
127	40.0 - 60.0% of mass 198	18917	42.0		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	45035	100.0		Pass
199	5.0 - 9.0% of mass 198	3179	7.06		Pass
275	10.0 - 30.0% of mass 198	13412	29.8		Pass
365	1.0 - 100.0% of mass 198	1528	3.39		Pass
441	Present, but less than mass 443	6771	15.0	(84.1) [b]	Pass
442	40.0 - 100.0% of mass 198	40365	89.6		Pass
443	17.0 - 23.0% of mass 442	8054	17.9	(20.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSF3031-ICC3031	F65349.D	07/01/13	16:12	00:21	Initial cal 50
MSF3031-IC3031	F65350.D	07/01/13	16:36	00:45	Initial cal 2
MSF3031-IC3031	F65351.D	07/01/13	17:00	01:09	Initial cal 5
MSF3031-IC3031	F65352.D	07/01/13	17:24	01:33	Initial cal 10
MSF3031-IC3031	F65353.D	07/01/13	17:48	01:57	Initial cal 20
MSF3031-IC3031	F65354.D	07/01/13	18:12	02:21	Initial cal 80
MSF3031-IC3031	F65355.D	07/01/13	18:36	02:45	Initial cal 120
MSF3031-IC3031	F65356.D	07/01/13	19:00	03:09	Initial cal 160
MSF3031-IC3031	F65358.D	07/01/13	19:47	03:56	Initial cal 5
MSF3031-IC3031	F65359.D	07/01/13	20:11	04:20	Initial cal 10
MSF3031-IC3031	F65360.D	07/01/13	20:35	04:44	Initial cal 20
MSF3031-IC3031	F65361.D	07/01/13	20:58	05:07	Initial cal 50
MSF3031-IC3031	F65362.D	07/01/13	21:22	05:31	Initial cal 80
MSF3031-IC3031	F65363.D	07/01/13	21:45	05:54	Initial cal 120
MSF3031-IC3031	F65364.D	07/01/13	22:09	06:18	Initial cal 160
MSF3031-ICV3031	F65365.D	07/01/13	22:33	06:42	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample:	MSF3058-DFTPP	**Injection Date:**	08/09/13
Lab File ID:	F66059.D	**Injection Time:**	09:09
Instrument ID:	GCMSF		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	37967	33.3		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	50267	44.1		Pass
70	Less than 2.0% of mass 69	284	0.25	(0.56) [a]	Pass
127	40.0 - 60.0% of mass 198	51191	44.9		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	114099	100.0		Pass
199	5.0 - 9.0% of mass 198	7945	6.96		Pass
275	10.0 - 30.0% of mass 198	32989	28.9		Pass
365	1.0 - 100.0% of mass 198	4088	3.58		Pass
441	Present, but less than mass 443	15084	13.2	(85.2) [b]	Pass
442	40.0 - 100.0% of mass 198	90768	79.6		Pass
443	17.0 - 23.0% of mass 442	17700	15.5	(19.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSF3058-CC3031	F66060.D	08/09/13	09:32	00:23	Continuing cal 80
MSF3058-CC3031	F66061.D	08/09/13	09:56	00:47	Continuing cal 50
OP34292-MB	F66062.D	08/09/13	10:20	01:11	Method Blank
OP34292-BS	F66063.D	08/09/13	10:44	01:35	Blank Spike
OP34292-MS	F66064.D	08/09/13	11:08	01:59	Matrix Spike
OP34292-MSD	F66065.D	08/09/13	11:31	02:22	Matrix Spike Duplicate
MC23133-1	F66066.D	08/09/13	11:55	02:46	(used for QC only; not part of job MC23228)
OP34276-MB	F66067.D	08/09/13	12:19	03:10	Method Blank
OP34276-BS	F66068.D	08/09/13	12:43	03:34	Blank Spike
ZZZZZZ	F66069.D	08/09/13	13:07	03:58	(unrelated sample)
ZZZZZZ	F66073.D	08/09/13	14:42	05:33	(unrelated sample)
ZZZZZZ	F66074.D	08/09/13	15:05	05:56	(unrelated sample)
ZZZZZZ	F66075.D	08/09/13	15:29	06:20	(unrelated sample)
ZZZZZZ	F66076.D	08/09/13	15:53	06:44	(unrelated sample)
ZZZZZZ	F66077.D	08/09/13	16:17	07:08	(unrelated sample)
MC23228-1	F66078.D	08/09/13	16:41	07:32	SB-204/6.5
MC23228-2	F66079.D	08/09/13	17:04	07:55	SB-207/3'
MC23228-3	F66080.D	08/09/13	17:28	08:19	SB-216/7-8'
ZZZZZZ	F66081.D	08/09/13	17:52	08:43	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample:	MSF3058-DFTPP	**Injection Date:**	08/09/13
Lab File ID:	F66059.D	**Injection Time:**	09:09
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	F66082.D	08/09/13	18:16	09:07	(unrelated sample)
ZZZZZZ	F66083.D	08/09/13	18:40	09:31	(unrelated sample)
ZZZZZZ	F66084.D	08/09/13	19:04	09:55	(unrelated sample)
ZZZZZZ	F66085.D	08/09/13	19:28	10:19	(unrelated sample)
ZZZZZZ	F66086.D	08/09/13	19:52	10:43	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	MSF3058-CC3031	**Injection Date:**	08/09/13
Lab File ID:	F66060.D	**Injection Time:**	09:32
Instrument ID:	GCMSF	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	74126	4.23	279335	5.36	176950	7.00	325182	8.46	373506	11.26	333515	12.78
Upper Limit [a]	148252	4.73	558670	5.86	353900	7.50	650364	8.96	747012	11.76	667030	13.28
Lower Limit [b]	37063	3.73	139668	4.86	88475	6.50	162591	7.96	186753	10.76	166758	12.28

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP34292-MB	73053	4.23	275322	5.36	175770	7.00	315300	8.46	339931	11.25	311151	12.77
OP34292-BS	75478	4.23	281250	5.36	180285	7.00	328279	8.46	355784	11.26	317054	12.78
OP34292-MS	76846	4.23	280177	5.36	175869	7.00	319428	8.46	352388	11.26	333281	12.78
OP34292-MSD	74807	4.23	286251	5.36	176073	7.00	320636	8.46	350502	11.26	339862	12.78
MC23133-1	72521	4.23	273048	5.36	170409	7.00	304546	8.46	343876	11.26	345945	12.78
OP34276-MB	86371	4.23	328434	5.36	209089	7.00	391767	8.46	437628	11.26	427329	12.78
OP34276-BS	83806	4.23	315236	5.36	199411	7.00	373852	8.46	412010	11.26	394293	12.78
ZZZZZZ	81771	4.23	316834	5.36	202426	7.00	364481	8.46	404993	11.26	404901	12.78
ZZZZZZ	72496	4.23	278873	5.36	172477	7.00	316408	8.46	349937	11.26	358766	12.78
ZZZZZZ	84116	4.23	321634	5.36	205094	7.00	365950	8.46	411560	11.26	412586	12.78
ZZZZZZ	69432	4.23	260652	5.36	167657	7.00	311657	8.46	339357	11.26	352308	12.78
ZZZZZZ	73492	4.23	273532	5.36	172844	7.00	330162	8.46	378898	11.26	403273	12.79
ZZZZZZ	70267	4.23	263215	5.36	160388	7.00	288992	8.46	357225	11.26	380648	12.79
MC23228-1	70279	4.23	269581	5.36	156160	7.00	267840	8.46	316243	11.26	338816	12.78
MC23228-2	70469	4.23	260144	5.36	153293	7.00	269104	8.46	322263	11.26	344050	12.78
MC23228-3	74633	4.23	274819	5.36	168148	7.00	290047	8.46	319878	11.26	352616	12.78
ZZZZZZ	66736	4.23	245877	5.36	150695	7.00	275224	8.46	325523	11.26	349797	12.78
ZZZZZZ	70608	4.23	264796	5.36	162680	7.00	285747	8.46	341960	11.26	370002	12.79
ZZZZZZ	78045	4.23	287827	5.36	182440	7.00	324211	8.46	361085	11.26	372559	12.78
ZZZZZZ	77516	4.23	290146	5.36	177298	7.00	310323	8.46	341110	11.26	361327	12.78
ZZZZZZ	77332	4.23	290501	5.36	175334	7.00	308690	8.46	423816	11.27	455000	12.80
ZZZZZZ	72429	4.23	265920	5.36	161304	7.00	279387	8.46	331810	11.26	342672	12.79

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Method: SW846 8270C **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC23228-1	F66078.D	75.0	74.0	66.0	81.0	78.0	86.0
MC23228-2	F66079.D	71.0	75.0	69.0	80.0	79.0	86.0
MC23228-3	F66080.D	70.0	73.0	74.0	78.0	82.0	93.0
OP34292-BS	F66063.D	76.0	80.0	78.0	84.0	81.0	91.0
OP34292-MB	F66062.D	74.0	77.0	69.0	81.0	78.0	87.0
OP34292-MS	F66064.D	61.0	68.0	59.0	76.0	73.0	78.0
OP34292-MSD	F66065.D	62.0	68.0	60.0	69.0	72.0	80.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	30-130%
S2 = Phenol-d5	30-130%
S3 = 2,4,6-Tribromophenol	30-130%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

Initial Calibration Summary

Job Number: MC23228 **Sample:** MSF3031-ICC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F65349.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report MSF

Method : W:\1\methods\F130701_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Calibration Files
160 =F65364.D 120 =F65363.D 80 =F65362.D 20 =F65360.D
5 =F65358.D 2 =F65350.D 10 =F65359.D 50 =F65361.D

Compound	160	120	80	20	5	2	10	50	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) N-nitrosodim	0.821	0.774	0.760	0.793	0.754		0.761	0.783	0.778	3.01
3) Pyridine	1.457	1.385	1.380	1.413	1.347		1.388	1.414	1.398	2.46
4) Aniline	1.834	1.734	1.717	1.784	1.693	1.820	1.767	1.785	1.767	2.79
5) 2-Fluorophen	1.186	1.165	1.145	1.164	1.169	1.156	1.151	1.194	1.166	1.44
6) bis(2-Chloro	0.833	0.803	0.799	0.805	0.790	0.819	0.800	0.821	0.809	1.75
7) Phenol-d5	1.520	1.462	1.460	1.508	1.484	1.513	1.424	1.502	1.484	2.24
8) Phenol	1.575	1.505	1.480	1.536	1.458	1.461	1.480	1.522	1.502	2.70
9) 2-Chlorophen	1.315	1.252	1.225	1.250	1.175	1.243	1.226	1.269	1.244	3.22
10) 1,3-Dichloro	1.506	1.445	1.425	1.452	1.440	1.427	1.462	1.460	1.452	1.77
11) 1,4-Dichloro	1.587	1.527	1.512	1.551	1.589	1.562	1.515	1.537	1.548	1.94
12) 1,2-Dichloro	1.436	1.382	1.371	1.401	1.416	1.395	1.338	1.395	1.392	2.12
13) Benzyl alcoh	0.840	0.811	0.805	0.816	0.776		0.776	0.821	0.806	2.91
14) bis(2-chloro	1.010	0.978	0.973	1.014	1.020	1.037	0.990	1.003	1.003	2.16
15) o-cresol	1.138	1.083	1.082	1.113	1.050	1.099	1.064	1.117	1.093	2.66
16) Acetophenone	1.840	1.773	1.793	1.779	1.835	1.809	1.765	1.796	1.799	1.54
17) Hexachloroet	0.571	0.546	0.537	0.556	0.567	0.481	0.536	0.544	0.542	5.13
18) N-Nitroso-di	0.919	0.896	0.897	0.910	0.880	0.899	0.858	0.908	0.896	2.15
19) m+p-cresols	1.248	1.204	1.193	1.197	1.187	1.190	1.186	1.212	1.202	1.69
20) 4-methylphen	1.248	1.204	1.193	1.197	1.187	1.190	1.186	1.212	1.202	1.69
21) I 1,4-Dichlorobenzene-d	ISTD									
22) Benzaldehyde	0.822	1.014	0.994	0.982			0.996	1.044	0.975	8.03
23) I Naphthalene-d8	ISTD									
24) Nitrobenzene	0.389	0.386	0.375	0.378	0.366	0.349	0.363	0.387	0.374	3.79
25) Nitrobenzene	0.391	0.385	0.368	0.385	0.378	0.359	0.371	0.385	0.378	2.88
26) Isophorone	0.650	0.632	0.625	0.637	0.605	0.593	0.616	0.647	0.626	3.17
27) 2-Nitropheno	0.203	0.199	0.191	0.190	0.179		0.178	0.192	0.190	4.89
28) 2,4-Dimethyl	0.372	0.362	0.353	0.364	0.340		0.348	0.360	0.357	3.01
29) bis(2-Chloro	0.384	0.378	0.370	0.371	0.362		0.355	0.383	0.372	2.90
30) Benzoic acid	0.302	0.288	0.276	0.249			0.217	0.279	0.269	11.44
31) 2,4-Dichloro	0.331	0.317	0.307	0.312	0.303		0.295	0.318	0.312	3.77
32) 1,2,4-Trichl	0.366	0.369	0.348	0.364	0.353	0.354	0.347	0.364	0.358	2.45
33) Naphthalene	1.025	0.995	0.967	1.024	0.982	0.940	0.990	0.992	0.989	2.80
34) 2,6-Dichloro	0.324	0.317	0.306	0.314	0.300		0.302	0.311	0.311	2.76
35) 4-Chloroanil	0.451	0.435	0.422	0.429	0.409		0.415	0.427	0.427	3.19
36) Hexachlorobu	0.242	0.239	0.231	0.236	0.227	0.240	0.225	0.235	0.234	2.70
37) 4-Chloro-3-m	0.321	0.313	0.310	0.309	0.292		0.295	0.311	0.308	3.31
38) 2-Methylnaph	0.705	0.690	0.666	0.695	0.692	0.671	0.672	0.685	0.685	1.97
39) 1-Methylnaph	0.675	0.671	0.638	0.679	0.656	0.665	0.661	0.667	0.664	1.91
40) 1,2,4,5-Tetr	0.419	0.417	0.409	0.425	0.417	0.413	0.420	0.413	0.417	1.18
41) I Naphthalene-d8a	ISTD									
42) Caprolactam	0.129	0.128	0.125	0.121	0.109		0.117	0.126	0.122	5.90

Initial Calibration Summary

Job Number: MC23228 **Sample:** MSF3031-ICC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F65349.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

43)	I Acenaphthene-d10	----------	ISTD	----------							
44)	Pentachloron	0.184	0.180	0.183	0.176		0.170	0.179	0.179	2.87
45)	Hexachlorocy	0.483	0.470	0.451	0.406	0.366	0.380	0.436	0.428	10.43
46)	2,4,6-Trichl	0.441	0.427	0.426	0.420	0.390	0.390	0.409	0.415	4.69
47)	2,4,5-Trichl	0.466	0.453	0.449	0.439	0.426	0.407	0.445	0.441	4.37
48)	2-Fluorobiph	1.365	1.362	1.343	1.353	1.354	1.323	1.325	1.345	1.346	1.15
49)	2-Chloronaph	1.126	1.103	1.106	1.102	1.078	1.022	1.056	1.096	1.086	3.07
50)	Acenaphthyle	1.791	1.746	1.748	1.730	1.675	1.651	1.690	1.750	1.723	2.70
51)	Dimethylphth	1.304	1.283	1.269	1.287	1.275	1.247	1.252	1.279	1.274	1.46
52)	2,4-Dinitrot	0.396	0.378	0.385	0.369	0.324	0.339	0.379	0.367	7.07
53)	Acenaphthene	1.121	1.095	1.095	1.118	1.071	1.077	1.058	1.085	1.090	2.02
54)	2,4-Dinitrop	0.228	0.216	0.210	0.167		0.201	0.205	11.24
55)	Dibenzofuran	1.656	1.616	1.652	1.655	1.628	1.611	1.616	1.643	1.635	1.18
56)	2,6-Dinitrot	0.312	0.302	0.298	0.285	0.253	0.265	0.294	0.287	7.31
57)	4-Nitropheno	0.249	0.238	0.242	0.235		0.215	0.232	0.235	4.82
58)	2,3,4,6-Tetr	0.418	0.404	0.401	0.387	0.354	0.368	0.396	0.390	5.66
59)	Fluorene	1.331	1.272	1.294	1.278	1.236	1.207	1.219	1.284	1.265	3.26
60)	4-Chlorophen	0.731	0.706	0.716	0.703	0.701	0.669	0.671	0.710	0.701	3.05
61)	Diethylphtha	1.240	1.206	1.219	1.240	1.291	1.353	1.222	1.238	1.251	3.85
62)	2-nitroanili	0.381	0.361	0.361	0.345	0.308	0.322	0.357	0.348	7.19
63)	3-nitroanili	0.313	0.299	0.303	0.297		0.267	0.301	0.297	5.25
64)	4-nitroanili	0.314	0.293	0.305	0.300		0.273	0.303	0.298	4.73
65)	Acenaphthene-d10a	----------	ISTD	----------							
66)	1,1'-Bipheny	1.408	1.406	1.399	1.348	1.349	1.379	1.396	1.384	1.85
67)	I Phenanthrene-d10	----------	ISTD	----------							
68)	4,6-Dinitro-	0.168	0.161	0.155	0.137		0.114	0.153	0.148	13.16
69)	n-Nitrosodip	0.534	0.530	0.507	0.510	0.474	0.470	0.497	0.508	0.504	4.59
70)	1,2-Diphenyl	0.661	0.658	0.641	0.647	0.612	0.607	0.640	0.655	0.640	3.20
71)	2,4,6-Tribro	0.139	0.139	0.130	0.123	0.116	0.119	0.132	0.128	7.19
72)	4-Bromopheny	0.259	0.254	0.246	0.241	0.232	0.240	0.240	0.248	0.245	3.46
73)	Hexachlorobe	0.265	0.265	0.257	0.254	0.244	0.236	0.248	0.258	0.253	3.99
74)	Pentachlorop	0.200	0.190	0.186	0.170		0.159	0.185	0.181	8.09
75)	Phenanthrene	1.060	1.032	1.025	1.055	1.003	1.032	1.035	1.033	1.034	1.71
76)	Anthracene	1.112	1.111	1.088	1.097	1.028	1.003	1.058	1.096	1.074	3.78
77)	Carbazole	0.986	0.959	0.955	0.960	0.906	0.861	0.922	0.955	0.938	4.22
78)	Di-n-butylph	1.130	1.133	1.123	1.097	1.031	1.050	1.135	1.100	3.89
79)	Fluoranthene	1.097	1.093	1.094	1.104	1.055	0.991	1.072	1.096	1.075	3.50
80)	I Phenanthrene-d10a	----------	ISTD	----------							
81)	Atrazine	0.227	0.224	0.219	0.188		0.207	0.225	0.215	6.97
82)	I Chrysene-d12	----------	ISTD	----------							
83)	Benzidine	0.408	0.418	0.349		0.373	0.416	0.393	7.83
84)	Pyrene	1.107	1.148	1.104	1.131	1.070	1.017	1.099	1.106	1.098	3.62
85)	Terphenyl-d1	0.841	0.891	0.847	0.876	0.820	0.836	0.842	0.843	0.849	2.70
86)	3,3-Dimethyl	0.580	0.602	0.518		0.558	0.600	0.572	6.09
87)	Butylbenzylp	0.434	0.441	0.419	0.412	0.363	0.378	0.415	0.409	7.00
88)	3,3'-Dichlor	0.456	0.453	0.441	0.407	0.339	0.373	0.434	0.415	10.71
89)	Benzo[a]anth	1.050	1.070	1.034	1.044	0.991	0.991	1.013	1.041	1.029	2.76
90)	Chrysene	1.013	1.013	1.004	1.045	1.009	0.981	0.992	0.994	1.006	1.92
91)	bis(2-Ethylh	0.611	0.624	0.596	0.546	0.438	0.499	0.603	0.560	12.32
92)	I Perylene-d12	----------	ISTD	----------							
93)	Di-n-octylph	1.001	1.027	0.969	0.828	0.624	0.731	1.008	0.884	17.93
	---- Linear regression ---- Coefficient = 0.9964										
	Response Ratio = -0.05271 + 1.00371 *A										
94)	Benzo[b]fluo	1.190	1.263	1.147	1.095	0.942	0.933	1.003	1.115	1.086	10.89

8.7.1

8

Initial Calibration Summary

Job Number: MC23228 **Sample:** MSF3031-ICC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F65349.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
 95) Benzo[k]fluo 1.156 1.090 1.158 1.246 1.141 1.110 1.182 1.180 1.158   4.13
 96) Benzo[a]pyre 1.107 1.089 1.071 1.077 0.919 0.799 0.937 1.062 1.007  10.93
 97) Indeno[1,2,3 1.515 1.453 1.338 1.251 1.066 0.997 1.143 1.282 1.256  14.40
 98) Dibenz[a,h]a       1.158 1.075 1.009 0.821 0.783 0.906 1.032 0.969  14.16
 99) Benzo[g,h,i] 1.254 1.206 1.113 1.088 0.939 0.863 0.985 1.084 1.066  12.37

100)     Naphthalene-d8b       ----------------ISTD---------------------
101) o-Toluic Aci 0.230 0.228 0.216 0.187 0.121       0.147 0.211 0.191  22.04
             ---- Linear regression ----  Coefficient =  0.9964
               Response Ratio = -0.01424 + 0.22380 *A

102) m-Toluic Aci 0.312 0.289 0.279 0.226 0.143       0.178 0.251 0.240  25.63
             ---- Quadratic regression ----  Coefficient =  0.9990
               Response Ratio = -0.01262 + 0.23658 *A + 0.02004 *A^2

103) p-Toluic Aci 0.298 0.301 0.306 0.323 0.292       0.335 0.295 0.307   5.22
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          F130701_8270+.m        Thu Jul 11 12:07:39 2013
```

8.7.1

8

Initial Calibration Verification

Job Number: MC23228 **Sample:** MSF3031-ICV3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F65365.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : F:\1\DATA\F130701\F65365.D Vial: 15
Acq On : 1 Jul 2013 10:33 pm Operator: kristinr
Sample : ICV3031-50 Inst : MSF
Misc : OP33788,MSF3031,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\met...\F130701_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Wed Jul 10 07:01:30 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	143	0.00	4.42
2		N-nitrosodimethylamine	0.778	0.761	2.2	139	0.01	2.46
3	T	Pyridine	1.398	1.332	4.7	135	0.01	2.47
4	T	Aniline	1.767	1.442	18.4	116	0.00	4.18
5	S	2-Fluorophenol	1.166	1.173	-0.6	141	0.00	3.41
6	T	bis(2-Chloroethyl)ether	0.809	0.784	3.1	137	0.00	4.22
7	S	Phenol-d5	1.484	1.462	1.5	139	0.00	4.14
8	C	Phenol	1.502	1.516	-0.9	143	0.00	4.14
9	M	2-Chlorophenol	1.244	1.247	-0.2	141	0.00	4.27
10	T	1,3-Dichlorobenzene	1.452	1.414	2.6	139	0.00	4.40
11	C	1,4-Dichlorobenzene	1.548	1.482	4.3	138	0.00	4.44
12	T	1,2-Dichlorobenzene	1.392	1.364	2.0	140	0.00	4.60
13	T	Benzyl alcohol	0.806	0.774	4.0	135	0.00	4.55
14	T	bis(2-chloroisopropyl)eth	1.003	1.157	-15.4	165	0.00	4.68
15	T	o-cresol	1.093	1.102	-0.8	141	0.00	4.65
16	T	Acetophenone	1.799	1.724	4.2	137	0.00	4.79
17	T	Hexachloroethane	0.542	0.538	0.7	142	0.00	4.87
18	P	N-Nitroso-di-n-propylamin	0.896	0.934	-4.2	147	0.00	4.81
19	T	m+p-cresols	1.202	1.201	0.1	142	0.00	4.78
20		4-methylphenol	1.202	1.201	0.1	142	0.00	4.78
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	62	0.00	4.42
22		Benzaldehyde	0.975	0.723	25.8#	43#	0.00	4.07
23	I	Naphthalene-d8	1.000	1.000	0.0	144	0.00	5.55
24	S	Nitrobenzene-d5	0.374	0.380	-1.6	142	0.00	4.92
25	T	Nitrobenzene	0.378	0.363	4.0	136	0.00	4.94
26	T	Isophorone	0.626	0.614	1.9	137	0.00	5.14
27	C	2-Nitrophenol	0.190	0.193	-1.6	145	0.00	5.22
28	T	2,4-Dimethylphenol	0.357	0.365	-2.2	146	0.00	5.25
29	T	bis(2-Chloroethoxy)methan	0.372	0.380	-2.2	143	0.00	5.34
30	T	Benzoic acid	0.269	0.319	-18.6	165	0.01	5.35
31	C	2,4-Dichlorophenol	0.312	0.317	-1.6	144	0.00	5.44
32	M	1,2,4-Trichlorobenzene	0.358	0.364	-1.7	144	0.00	5.52
33	T	Naphthalene	0.989	0.990	-0.1	144	0.00	5.58
34	T	2,6-Dichlorophenol	0.311	0.311	0.0	144	0.00	5.65
35	T	4-Chloroaniline	0.427	0.341	20.1#	116	0.00	5.64
36	C	Hexachlorobutadiene	0.234	0.237	-1.3	146	0.00	5.74
37	C	4-Chloro-3-methylphenol	0.308	0.320	-3.9	149	0.00	6.08
38	T	2-Methylnaphthalene	0.685	0.658	3.9	139	0.00	6.21
39	T	1-Methylnaphthalene	0.664	0.639	3.8	138	0.00	6.31
40	T	1,2,4,5-Tetrachlorobenzen	0.417	0.398	4.6	139	0.00	6.40

Initial Calibration Verification

Job Number: MC23228 **Sample:** MSF3031-ICV3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F65365.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

41	I	Naphthalene-d8a	1.000	1.000	0.0	63	0.00	5.55
42		Caprolactam	0.122	0.121	0.8	60	-0.07	5.93
43	I	Acenaphthene-d10	1.000	1.000	0.0	151	0.00	7.20
44	T	Pentachloronitrobenzene	0.179	0.175	2.2	147	0.00	8.64
45	P	Hexachlorocyclopentadiene	0.428	0.208	51.4#	72	0.00	6.42
46	C	2,4,6-Trichlorophenol	0.415	0.412	0.7	152	0.00	6.49
47	T	2,4,5-Trichlorophenol	0.441	0.448	-1.6	152	0.00	6.53
48	S	2-Fluorobiphenyl	1.346	1.356	-0.7	152	0.00	6.56
49	T	2-Chloronaphthalene	1.086	1.100	-1.3	151	0.00	6.66
50	M	Acenaphthylene	1.723	1.721	0.1	148	0.00	7.06
51	T	Dimethylphthalate	1.274	1.243	2.4	146	0.00	6.98
52	T	2,4-Dinitrotoluene	0.367	0.396	-7.9	157	0.00	7.42
53	C	Acenaphthene	1.090	1.100	-0.9	153	0.00	7.23
54	P	2,4-Dinitrophenol	0.205	0.213	-3.9	159	0.00	7.27
55	T	Dibenzofuran	1.635	1.545	5.5	142	0.00	7.39
56	M	2,6-Dinitrotoluene	0.287	0.289	-0.7	148	0.00	7.05
57	P	4-Nitrophenol	0.235	0.240	-2.1	156	0.00	7.33
58	T	2,3,4,6-Tetrachlorophenol	0.390	0.404	-3.6	153	0.00	7.54
59	T	Fluorene	1.265	1.320	-4.3	155	0.00	7.72
60	T	4-Chlorophenyl-phenylethe	0.701	0.715	-2.0	152	0.00	7.71
61	T	Diethylphthalate	1.251	1.263	-1.0	154	0.00	7.66
62	T	2-nitroaniline	0.348	0.355	-2.0	150	0.00	6.79
63	T	3-nitroaniline	0.297	0.232	21.9#	116	0.00	7.17
64	T	4-nitroaniline	0.298	0.280	6.0	139	0.00	7.78
65		Acenaphthene-d10a	1.000	1.000	0.0	66	0.00	7.20
66		1,1'-Biphenyl	1.384	1.300	6.1	61	0.00	6.65
67	I	Phenanthrene-d10	1.000	1.000	0.0	158	0.00	8.68
68	T	4,6-Dinitro-2-methylpheno	0.148	0.161	-8.8	165	0.00	7.81
69	C	n-Nitrosodiphenylamine	0.504	0.462	8.3	144	0.00	7.84
70	T	1,2-Diphenylhydrazine	0.640	0.604	5.6	145	0.00	7.87
71	S	2,4,6-Tribromophenol	0.128	0.127	0.8	153	0.00	7.98
72	T	4-Bromophenyl-phenylether	0.245	0.232	5.3	148	0.00	8.21
73	T	Hexachlorobenzene	0.253	0.252	0.4	154	0.00	8.37
74	C	Pentachlorophenol	0.181	0.185	-2.2	158	0.00	8.55
75	T	Phenanthrene	1.034	1.035	-0.1	158	0.00	8.71
76	T	Anthracene	1.074	1.015	5.5	146	0.00	8.75
77	T	Carbazole	0.938	0.920	1.9	152	0.00	8.93
78	T	Di-n-butylphthalate	1.100	1.090	0.9	152	0.00	9.37
79	C	Fluoranthene	1.075	1.145	-6.5	165	0.00	9.97
80	I	Phenanthrene-d10a	1.000	1.000	0.0	65	0.00	8.68
81		Atrazine	0.215	0.216	-0.5	62	-0.01	8.41
82	I	Chrysene-d12	1.000	1.000	0.0	159	0.00	11.48
83	T	Benzidine	0.393	0.297	24.4#	113	0.00	10.10
84	M	Pyrene	1.098	1.074	2.2	154	0.00	10.19
85	S	Terphenyl-d14	0.849	0.863	-1.6	162	0.00	10.36
86		3,3-Dimethylbenzidine		----------NA----------				
87	T	Butylbenzylphthalate	0.409	0.429	-4.9	164	0.00	10.91
88	T	3,3'-Dichlorobenzidine	0.415	0.352	15.2	129	0.00	11.45
89	T	Benzo[a]anthracene	1.029	1.084	-5.3	165	0.00	11.46
90	T	Chrysene	1.006	1.009	-0.3	161	0.00	11.50
91	T	bis(2-Ethylhexyl)phthalat	0.560	0.618	-10.4	163	0.00	11.58
92	I	Perylene-d12	1.000	1.000	0.0	162	0.00	13.01

Initial Calibration Verification

Job Number: MC23228 **Sample:** MSF3031-ICV3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F65365.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
93	C	Di-n-octylphthalate	50.000	55.011	-10.0	170	0.00	12.25
			AvgRF	CCRF	%Dev			
94	T	Benzo[b]fluoranthene	1.086	1.153	-6.2	167	0.00	12.63
95	T	Benzo[k]fluoranthene	1.158	1.156	0.2	158	0.00	12.65
96	C	Benzo[a]pyrene	1.007	0.966	4.1	147	0.00	12.95
97	T	Indeno[1,2,3-cd]pyrene	1.256	1.340	-6.7	169	0.00	14.11
98	T	Dibenz[a,h]anthracene	0.969	1.094	-12.9	171	0.00	14.12
99	T	Benzo[g,h,i]perylene	1.066	1.118	-4.9	167	0.00	14.41
100		Naphthalene-d8b	1.000	1.000	0.0	63	0.00	5.55
			Amount	Calc.	%Drift			
101		o-Toluic Acid			NA			
102		m-Toluic Acid			NA			
			AvgRF	CCRF	%Dev			
103		p-Toluic Acid			NA			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F65361.D F130701_8270+.m Wed Jul 10 14:27:25 2013

8.7.2

8

Continuing Calibration Summary

Job Number: MC23228 **Sample:** MSF3058-CC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F66060.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : F:\1\DATA\F130809\F66060.D Vial: 100
Acq On : 9 Aug 2013 9:32 am Operator: KRISTINR
Sample : CC3031-80, tcl42 Inst : MSF
Misc : OP34224,MSF3058,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : W:\1\methods\F130701_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Wed Jul 10 07:01:30 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	127	-0.03	4.23
2		N-nitrosodimethylamine		----------NA----------				
3	T	Pyridine		----------NA----------				
4	T	Aniline		----------NA----------				
5	S	2-Fluorophenol		----------NA----------				
6	T	bis(2-Chloroethyl)ether		----------NA----------				
7	S	Phenol-d5		----------NA----------				
8	C	Phenol		----------NA----------				
9	M	2-Chlorophenol		----------NA----------				
10	T	1,3-Dichlorobenzene		----------NA----------				
11	C	1,4-Dichlorobenzene		----------NA----------				
12	T	1,2-Dichlorobenzene		----------NA----------				
13	T	Benzyl alcohol		----------NA----------				
14	T	bis(2-chloroisopropyl)eth		----------NA----------				
15	T	o-cresol		----------NA----------				
16	T	Acetophenone		----------NA----------				
17	T	Hexachloroethane		----------NA----------				
18	P	N-Nitroso-di-n-propylamin		----------NA----------				
19	T	m+p-cresols		----------NA----------				
20		4-methylphenol		----------NA----------				
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	71	-0.03	4.23
22		Benzaldehyde	0.975	1.202	-23.3#	85	-0.04	3.88
23	I	Naphthalene-d8	1.000	1.000	0.0	130	-0.03	5.36
24	S	Nitrobenzene-d5		----------NA----------				
25	T	Nitrobenzene		----------NA----------				
26	T	Isophorone		----------NA----------				
27	C	2-Nitrophenol		----------NA----------				
28	T	2,4-Dimethylphenol		----------NA----------				
29	T	bis(2-Chloroethoxy)methan		----------NA----------				
30	T	Benzoic acid		----------NA----------				
31	C	2,4-Dichlorophenol		----------NA----------				
32	M	1,2,4-Trichlorobenzene		----------NA----------				
33	T	Naphthalene		----------NA----------				
34	T	2,6-Dichlorophenol		----------NA----------				
35	T	4-Chloroaniline		----------NA----------				
36	C	Hexachlorobutadiene		----------NA----------				
37	C	4-Chloro-3-methylphenol		----------NA----------				
38	T	2-Methylnaphthalene		----------NA----------				
39	T	1-Methylnaphthalene		----------NA----------				
40	T	1,2,4,5-Tetrachlorobenzen		----------NA----------				

Continuing Calibration Summary

Job Number: MC23228 **Sample:** MSF3058-CC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F66060.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

41	I	Naphthalene-d8a	1.000	1.000	0.0	72	-0.03	5.36
42		Caprolactam	0.122	0.125	-2.5	72	-0.10	5.73
43	I	Acenaphthene-d10	1.000	1.000	0.0	136	-0.03	7.00
44	T	Pentachloronitrobenzene		----------NA----------				
45	P	Hexachlorocyclopentadiene		----------NA----------				
46	C	2,4,6-Trichlorophenol		----------NA----------				
47	T	2,4,5-Trichlorophenol		----------NA----------				
48	S	2-Fluorobiphenyl		----------NA----------				
49	T	2-Chloronaphthalene		----------NA----------				
50	M	Acenaphthylene		----------NA----------				
51	T	Dimethylphthalate		----------NA----------				
52	T	2,4-Dinitrotoluene		----------NA----------				
53	C	Acenaphthene		----------NA----------				
54	P	2,4-Dinitrophenol		----------NA----------				
55	T	Dibenzofuran		----------NA----------				
56	M	2,6-Dinitrotoluene		----------NA----------				
57	P	4-Nitrophenol		----------NA----------				
58	T	2,3,4,6-Tetrachlorophenol		----------NA----------				
59	T	Fluorene		----------NA----------				
60	T	4-Chlorophenyl-phenylethe		----------NA----------				
61	T	Diethylphthalate		----------NA----------				
62	T	2-nitroaniline		----------NA----------				
63	T	3-nitroaniline		----------NA----------				
64	T	4-nitroaniline		----------NA----------				
65		Acenaphthene-d10a	1.000	1.000	0.0	73	-0.03	7.00
66		1,1'-Biphenyl	1.384	1.424	-2.9	74	-0.04	6.45
67	I	Phenanthrene-d10	1.000	1.000	0.0	137	-0.04	8.46
68	T	4,6-Dinitro-2-methylpheno		----------NA----------				
69	C	n-Nitrosodiphenylamine		----------NA----------				
70	T	1,2-Diphenylhydrazine		----------NA----------				
71	S	2,4,6-Tribromophenol		----------NA----------				
72	T	4-Bromophenyl-phenylether		----------NA----------				
73	T	Hexachlorobenzene		----------NA----------				
74	C	Pentachlorophenol		----------NA----------				
75	T	Phenanthrene		----------NA----------				
76	T	Anthracene		----------NA----------				
77	T	Carbazole		----------NA----------				
78	T	Di-n-butylphthalate		----------NA----------				
79	C	Fluoranthene		----------NA----------				
80	I	Phenanthrene-d10a	1.000	1.000	0.0	69	-0.04	8.46
81		Atrazine	0.215	0.226	-5.1	69	-0.03	8.21
82	I	Chrysene-d12	1.000	1.000	0.0	152	-0.04	11.26
83	T	Benzidine		----------NA----------				
84	M	Pyrene		----------NA----------				
85	S	Terphenyl-d14		----------NA----------				
86		3,3-Dimethylbenzidine		----------NA----------				
87	T	Butylbenzylphthalate		----------NA----------				
88	T	3,3'-Dichlorobenzidine		----------NA----------				
89	T	Benzo[a]anthracene		----------NA----------				
90	T	Chrysene		----------NA----------				
91	T	bis(2-Ethylhexyl)phthalat		----------NA----------				
92	I	Perylene-d12	1.000	1.000	0.0	144	-0.04	12.78

Continuing Calibration Summary

Job Number: MC23228 **Sample:** MSF3058-CC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F66060.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift		
93	C	Di-n-octylphthalate		NA			
			AvgRF	CCRF	%Dev		
94	T	Benzo[b]fluoranthene		NA			
95	T	Benzo[k]fluoranthene		NA			
96	C	Benzo[a]pyrene		NA			
97	T	Indeno[1,2,3-cd]pyrene		NA			
98	T	Dibenz[a,h]anthracene		NA			
99	T	Benzo[g,h,i]perylene		NA			
100		Naphthalene-d8b	1.000	1.000	0.0	72	-0.03 5.36
			Amount	Calc.	%Drift		
101		o-Toluic Acid		NA			
102		m-Toluic Acid		NA			
			AvgRF	CCRF	%Dev		
103		p-Toluic Acid		NA			

(#) = Out of Range SPCC's out = 4 CCC's out = 13
F65362.D F130701_8270+.m Fri Aug 09 10:41:44 2013

8.7.3

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Continuing Calibration Summary

Job Number: MC23228 **Sample:** MSF3058-CC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F66061.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : F:\1\DATA\F130809\F66061.D Vial: 96
Acq On : 9 Aug 2013 9:56 am Operator: KRISTINR
Sample : CC3031-50 Inst : MSF
Misc : OP34224,MSF3058,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : W:\1\methods\F130701_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Wed Jul 10 07:01:30 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	132	-0.03	4.23
2		N-nitrosodimethylamine	0.778	0.756	2.8	127	-0.10	2.27
3	T	Pyridine	1.398	1.320	5.6	123	-0.10	2.28
4	T	Aniline	1.767	1.800	-1.9	133	-0.03	3.99
5	S	2-Fluorophenol	1.166	1.226	-5.1	135	-0.04	3.25
6	T	bis(2-Chloroethyl)ether	0.809	0.920	-13.7	148	-0.03	4.03
7	S	Phenol-d5	1.484	1.588	-7.0	139	-0.01	3.97
8	C	Phenol	1.502	1.776	-18.2	154	-0.01	3.99
9	M	2-Chlorophenol	1.244	1.294	-4.0	134	-0.03	4.09
10	T	1,3-Dichlorobenzene	1.452	1.485	-2.3	134	-0.03	4.20
11	C	1,4-Dichlorobenzene	1.548	1.588	-2.6	136	-0.04	4.24
12	T	1,2-Dichlorobenzene	1.392	1.443	-3.7	136	-0.03	4.41
13	T	Benzyl alcohol	0.806	0.561	30.4#	90	-0.02	4.37
14	T	bis(2-chloroisopropyl)eth	1.003	1.133	-13.0	149	-0.02	4.50
15	T	o-cresol	1.093	1.169	-7.0	138	0.00	4.48
16	T	Acetophenone	1.799	1.955	-8.7	143	-0.02	4.60
17	T	Hexachloroethane	0.542	0.604	-11.4	146	-0.02	4.67
18	P	N-Nitroso-di-n-propylamin	0.896	1.078	-20.3#	156	-0.01	4.62
19	T	m+p-cresols	1.202	1.362	-13.3	148	0.00	4.61
20		4-methylphenol	1.202	1.362	-13.3	148	0.00	4.61
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	57	-0.03	4.23
22		Benzaldehyde		----------NA----------				
23	I	Naphthalene-d8	1.000	1.000	0.0	136	-0.03	5.36
24	S	Nitrobenzene-d5	0.374	0.434	-16.0	152	-0.04	4.74
25	T	Nitrobenzene	0.378	0.445	-17.7	157	-0.04	4.75
26	T	Isophorone	0.626	0.727	-16.1	152	-0.04	4.95
27	C	2-Nitrophenol	0.190	0.201	-5.8	142	-0.04	5.04
28	T	2,4-Dimethylphenol	0.357	0.396	-10.9	149	-0.02	5.08
29	T	bis(2-Chloroethoxy)methan	0.372	0.401	-7.8	142	-0.03	5.15
30	T	Benzoic acid	0.269	0.278	-3.3	135	0.00	5.18
31	C	2,4-Dichlorophenol	0.312	0.329	-5.4	141	-0.02	5.25
32	M	1,2,4-Trichlorobenzene	0.358	0.369	-3.1	137	-0.03	5.32
33	T	Naphthalene	0.989	1.036	-4.8	142	-0.03	5.38
34	T	2,6-Dichlorophenol	0.311	0.313	-0.6	137	-0.02	5.46
35	T	4-Chloroaniline	0.427	0.428	-0.2	136	-0.02	5.45
36	C	Hexachlorobutadiene	0.234	0.250	-6.8	145	-0.03	5.54
37	C	4-Chloro-3-methylphenol	0.308	0.352	-14.3	153	0.01	5.91
38	T	2-Methylnaphthalene	0.685	0.732	-6.9	145	-0.01	6.01
39	T	1-Methylnaphthalene	0.664	0.693	-4.4	141	-0.01	6.11
40	T	1,2,4,5-Tetrachlorobenzen	0.417	0.442	-6.0	145	0.00	6.21

Continuing Calibration Summary

Job Number: MC23228 **Sample:** MSF3058-CC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F66061.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

41	I	Naphthalene-d8a	1.000	1.000	0.0	59	-0.03	5.36
42		Caprolactam		----------NA----------				
43	I	Acenaphthene-d10	1.000	1.000	0.0	141	-0.03	7.00
44	T	Pentachloronitrobenzene	0.179	0.212	-18.4	166	-0.01	8.42
45	P	Hexachlorocyclopentadiene	0.428	0.350	18.2	113	-0.04	6.22
46	C	2,4,6-Trichlorophenol	0.415	0.412	0.7	142	-0.04	6.31
47	T	2,4,5-Trichlorophenol	0.441	0.453	-2.7	143	-0.02	6.35
48	S	2-Fluorobiphenyl	1.346	1.363	-1.3	143	-0.04	6.37
49	T	2-Chloronaphthalene	1.086	1.132	-4.2	145	-0.04	6.46
50	M	Acenaphthylene	1.723	1.824	-5.9	147	-0.04	6.86
51	T	Dimethylphthalate	1.274	1.350	-6.0	149	-0.03	6.79
52	T	2,4-Dinitrotoluene	0.367	0.415	-13.1	154	-0.02	7.22
53	C	Acenaphthene	1.090	1.145	-5.0	149	-0.04	7.03
54	P	2,4-Dinitrophenol	0.205	0.185	9.8	129	-0.02	7.08
55	T	Dibenzofuran	1.635	1.721	-5.3	147	-0.03	7.18
56	M	2,6-Dinitrotoluene	0.287	0.317	-10.5	152	-0.02	6.85
57	P	4-Nitrophenol	0.235	0.269	-14.5	163	0.01	7.16
58	T	2,3,4,6-Tetrachlorophenol	0.390	0.411	-5.4	146	-0.02	7.35
59	T	Fluorene	1.265	1.408	-11.3	154	-0.03	7.52
60	T	4-Chlorophenyl-phenylethe	0.701	0.769	-9.7	152	-0.03	7.51
61	T	Diethylphthalate	1.251	1.341	-7.2	152	-0.02	7.46
62	T	2-nitroaniline	0.348	0.382	-9.8	150	-0.03	6.59
63	T	3-nitroaniline	0.297	0.318	-7.1	149	-0.03	6.98
64	T	4-nitroaniline	0.298	0.326	-9.4	151	-0.01	7.58
65		Acenaphthene-d10a	1.000	1.000	0.0	61	-0.03	7.00
66		1,1'-Biphenyl		----------NA----------				
67	I	Phenanthrene-d10	1.000	1.000	0.0	149	-0.03	8.46
68	T	4,6-Dinitro-2-methylpheno	0.148	0.151	-2.0	147	-0.03	7.62
69	C	n-Nitrosodiphenylamine	0.504	0.511	-1.4	150	-0.03	7.64
70	T	1,2-Diphenylhydrazine	0.640	0.720	-12.5	164	-0.04	7.67
71	S	2,4,6-Tribromophenol	0.128	0.118	7.8	133	-0.04	7.77
72	T	4-Bromophenyl-phenylether	0.245	0.246	-0.4	148	-0.04	8.00
73	T	Hexachlorobenzene	0.253	0.243	4.0	141	-0.04	8.15
74	C	Pentachlorophenol	0.181	0.151	16.6	122	-0.02	8.34
75	T	Phenanthrene	1.034	1.064	-2.9	154	-0.04	8.49
76	T	Anthracene	1.074	1.122	-4.5	153	-0.04	8.53
77	T	Carbazole	0.938	0.986	-5.1	154	-0.02	8.71
78	T	Di-n-butylphthalate	1.100	1.212	-10.2	159	-0.01	9.15
79	C	Fluoranthene	1.075	1.238	-15.2	168	0.00	9.76
80	I	Phenanthrene-d10a	1.000	1.000	0.0	61	-0.03	8.46
81		Atrazine		----------NA----------				
82	I	Chrysene-d12	1.000	1.000	0.0	158	-0.03	11.26
83	T	Benzidine	0.393	0.230	41.5#	88	-0.04	9.90
84	M	Pyrene	1.098	1.163	-5.9	166	-0.05	9.98
85	S	Terphenyl-d14	0.849	0.862	-1.5	162	-0.04	10.16
86		3,3-Dimethylbenzidine	0.572	0.478	16.4	126	-0.03	10.66
87	T	Butylbenzylphthalate	0.409	0.447	-9.3	170	-0.03	10.71
88	T	3,3'-Dichlorobenzidine	0.415	0.461	-11.1	168	-0.03	11.24
89	T	Benzo[a]anthracene	1.029	1.110	-7.9	169	-0.04	11.24
90	T	Chrysene	1.006	1.051	-4.5	167	-0.04	11.29
91	T	bis(2-Ethylhexyl)phthalat	0.560	0.635	-13.4	167	-0.02	11.38
92	I	Perylene-d12	1.000	1.000	0.0	157	-0.04	12.78

Continuing Calibration Summary

Job Number: MC23228 **Sample:** MSF3058-CC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F66061.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
93	C	Di-n-octylphthalate	50.000	58.029	-16.1	175	-0.03	12.04
			AvgRF	CCRF	%Dev			
94	T	Benzo[b]fluoranthene	1.086	1.285	-18.3	182	-0.04	12.40
95	T	Benzo[k]fluoranthene	1.158	1.113	3.9	149	-0.04	12.43
96	C	Benzo[a]pyrene	1.007	1.105	-9.7	164	-0.04	12.72
97	T	Indeno[1,2,3-cd]pyrene	1.256	1.338	-6.5	164	-0.07	13.83
98	T	Dibenz[a,h]anthracene	0.969	1.051	-8.5	160	-0.07	13.84
99	T	Benzo[g,h,i]perylene	1.066	1.079	-1.2	157	-0.10	14.10
100		Naphthalene-d8b	1.000	1.000	0.0	59	-0.03	5.36
			Amount	Calc.	%Drift			
101		o-Toluic Acid			NA			
102		m-Toluic Acid			NA			
			AvgRF	CCRF	%Dev			
103		p-Toluic Acid			NA			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F65361.D F130701_8270+.m Fri Aug 09 13:43:21 2013

8.7.4

8

New England ACCUTEST LABORATORIES

GC/MS Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On : 9 Aug 2013 4:41 pm
Operator : KRISTINR
Sample : MC23228-1
Misc : OP34292,MSF3058,20.26,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 16:42:04 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

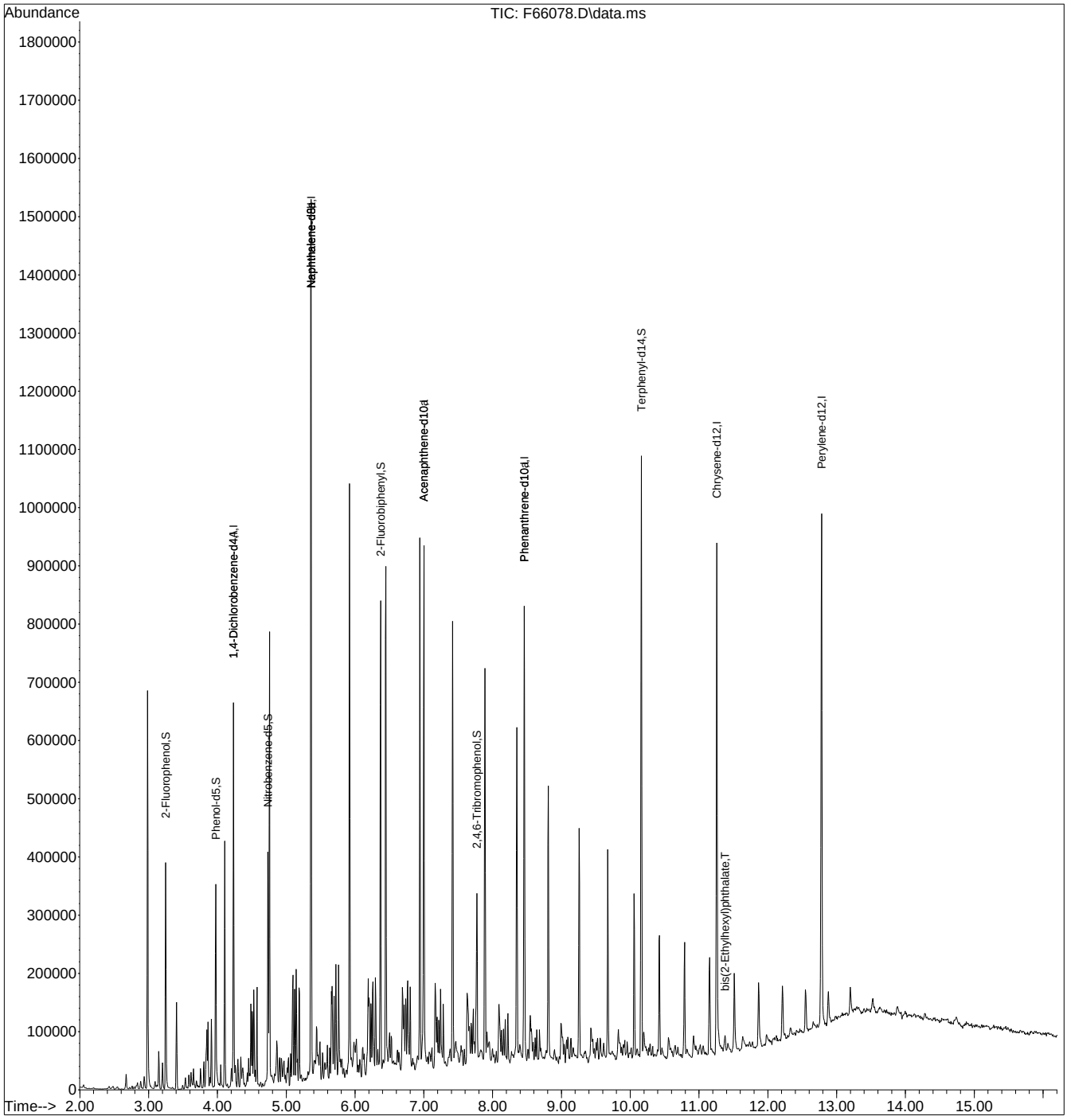
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.234	152	70279	40.00	ppm	0.01
21) 1,4-Dichlorobenzene-d4A	4.234	152	70279	40.00	PPM	0.01
23) Naphthalene-d8	5.362	136	269581	40.00	ppm	0.01
41) Naphthalene-d8a	5.362	136	269581	40.00	ppm	0.01
43) Acenaphthene-d10	7.001	164	156160	40.00	ppm	0.01
65) Acenaphthene-d10a	7.001	164	156160	40.00	ppm	0.01
67) Phenanthrene-d10	8.458	188	267840	40.00	ppm	0.00
80) Phenanthrene-d10a	8.458	188	267840	40.00	ppm	0.00
82) Chrysene-d12	11.260	240	316243	40.00	ppm	0.01
92) Perylene-d12	12.781	264	338816	40.00	ppm	0.01
100) Naphthalene-d8b	5.362	136	269581	40.00	ug/mL	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.247	112	76654	37.41	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 37.41%			
7) Phenol-d5	3.976	99	97025	37.21	ppm	0.03
Spiked Amount 100.000	Range 30 - 130		Recovery = 37.21%			
24) Nitrobenzene-d5	4.734	82	102250	40.56	ppm	-0.01
Spiked Amount 50.000	Range 30 - 130		Recovery = 81.12%			
48) 2-Fluorobiphenyl	6.373	172	205370	39.08	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 78.16%			
71) 2,4,6-Tribromophenol	7.771	330	28528	33.23	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 33.23%			
85) Terphenyl-d14	10.162	244	290281	43.22	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 86.44%			
Target Compounds						Qvalue
91) bis(2-Ethylhexyl)phtha...	11.378	149	3607	0.82	ppm	99

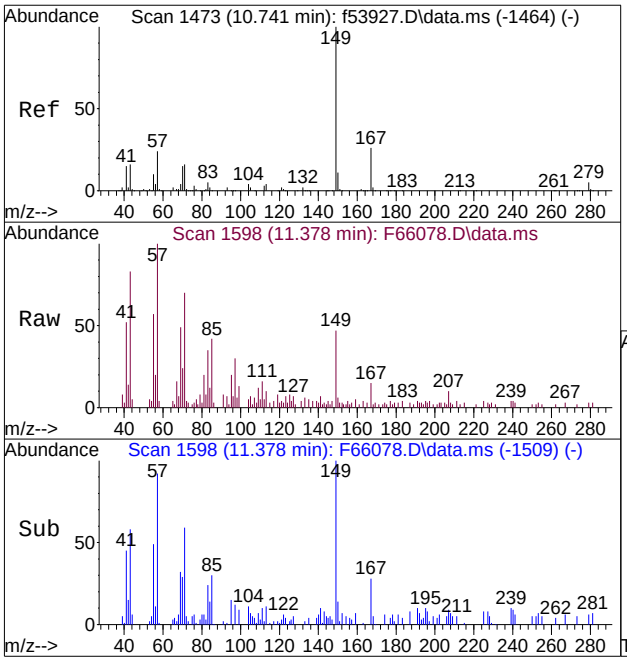
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On : 9 Aug 2013 4:41 pm
Operator : KRISTINR
Sample : MC23228-1
Misc : OP34292,MSF3058,20.26,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 16:42:04 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

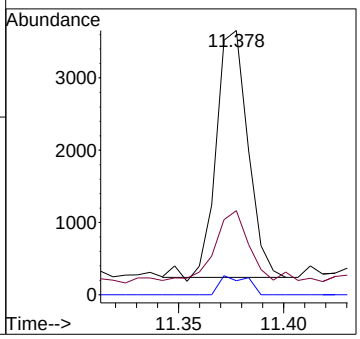




#91
bis(2-Ethylhexyl)phthalate
Concen: 0.82 ppm
RT: 11.378 min Scan# 1598
Delta R.T. 0.025 min
Lab File: F66078.D
Acq: 9 Aug 2013 4:41 pm

Tgt Ion:149 Resp: 3607

Ion	Ratio	Lower	Upper
149	100		
167	28.3	0.0	58.7
279	5.7	0.0	35.2



LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On : 9 Aug 2013 4:41 pm
Operator : KRISTINR
Sample : MC23228-1
Misc : OP34292,MSF3058,20.26,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

Signal : TIC: F66078.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.983	166	169	184	rVB	684097	524082	40.29%	2.286%
2	3.147	190	197	202	rVB	65096	68145	5.24%	0.297%
3	3.247	211	214	229	rBV	389322	301255	23.16%	1.314%
4	3.406	236	241	246	rVB	149854	110512	8.50%	0.482%
5	3.847	311	316	317	rBV2	98661	106580	8.19%	0.465%
6	3.864	317	319	322	rVB	110040	75375	5.79%	0.329%
7	3.911	322	327	332	rVB	117075	96538	7.42%	0.421%
8	3.976	332	338	346	rBV	348819	308229	23.70%	1.344%
9	4.105	357	360	365	rBV	423657	318061	24.45%	1.387%
10	4.234	379	382	390	rVB	660157	539286	41.46%	2.352%
11	4.299	390	393	396	rBV	47930	46386	3.57%	0.202%
12	4.452	411	419	421	rBV2	48875	60599	4.66%	0.264%
13	4.487	421	425	427	rVV	132833	104853	8.06%	0.457%
14	4.504	427	428	430	rVV	119397	82509	6.34%	0.360%
15	4.528	430	432	437	rVB	158602	121642	9.35%	0.531%
16	4.575	437	440	446	rVB	170784	129021	9.92%	0.563%
17	4.734	457	467	469	rBV	401996	337988	25.98%	1.474%
18	4.757	469	471	481	rVB	775023	549119	42.22%	2.395%
19	4.863	481	489	493	rBV2	72319	109676	8.43%	0.478%
20	4.969	503	507	512	rVB3	37887	55191	4.24%	0.241%
21	5.033	512	518	520	rVB2	48535	68690	5.28%	0.300%
22	5.063	520	523	525	rBV	55680	45718	3.51%	0.199%
23	5.098	525	529	531	rBV2	174741	165477	12.72%	0.722%
24	5.121	531	533	535	rVV	149373	97510	7.50%	0.425%
25	5.145	535	537	542	rVB	191713	159303	12.25%	0.695%
26	5.186	542	544	548	rBV	159571	134478	10.34%	0.587%
27	5.362	568	574	579	rBV	1504458	1300760	100.00%	5.674%
28	5.439	585	587	593	rVV2	80572	112450	8.64%	0.490%
29	5.491	593	596	599	rVB	64880	61540	4.73%	0.268%
30	5.597	611	614	618	rVB2	57018	47076	3.62%	0.205%
31	5.668	622	626	628	rBV2	149725	197909	15.21%	0.863%
32	5.697	628	631	633	rVV	129883	95581	7.35%	0.417%
33	5.720	633	635	639	rVB	189906	153835	11.83%	0.671%
34	5.762	639	642	648	rBV	189288	182826	14.06%	0.797%
35	5.920	663	669	676	rBV	1014805	778514	59.85%	3.396%
36	5.985	676	680	683	rVV3	46652	76282	5.86%	0.333%
37	6.020	683	686	689	rVB2	54309	58722	4.51%	0.256%
38	6.114	698	702	709	rBV	51430	95935	7.38%	0.418%
39	6.190	709	715	720	rBV3	165985	285728	21.97%	1.246%
40	6.232	720	722	724	rVV	109181	85391	6.56%	0.372%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On : 9 Aug 2013 4:41 pm
Operator : KRISTINR
Sample : MC23228-1
Misc : OP34292,MSF3058,20.26,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

41	6.261	724	727	731	rVV	146158	140895	10.83%	0.615%
42	6.296	731	733	737	rVV	153091	126456	9.72%	0.552%
43	6.373	741	746	749	rVB	803865	632096	48.59%	2.757%
44	6.449	754	759	764	rVV	857098	724692	55.71%	3.161%
45	6.502	764	768	770	rVV	55697	64262	4.94%	0.280%
46	6.525	770	772	780	rVB	48824	49527	3.81%	0.216%
47	6.690	796	800	806	rBV3	142751	266540	20.49%	1.163%
48	6.737	806	808	810	rVV	110864	92935	7.14%	0.405%
49	6.766	810	813	817	rVV	141328	147068	11.31%	0.641%
50	6.801	817	819	823	rVB	136643	100905	7.76%	0.440%
51	6.942	839	843	847	rVV	897826	649241	49.91%	2.832%
52	7.001	847	853	860	rVB	886866	771353	59.30%	3.365%
53	7.166	877	881	884	rBV2	146898	183038	14.07%	0.798%
54	7.195	884	886	888	rVV	68101	54666	4.20%	0.238%
55	7.218	888	890	892	rVV	62138	48112	3.70%	0.210%
56	7.242	892	894	899	rVB	117788	104883	8.06%	0.457%
57	7.283	899	901	910	rVB	106910	88868	6.83%	0.388%
58	7.383	910	918	921	rBV	29777	59484	4.57%	0.259%
59	7.418	921	924	928	rBV	756154	593289	45.61%	2.588%
60	7.465	928	932	940	rVB4	36575	82897	6.37%	0.362%
61	7.542	940	945	950	rVB4	35023	65054	5.00%	0.284%
62	7.630	956	960	968	rBV4	122291	256918	19.75%	1.121%
63	7.718	973	975	979	rBV2	77134	67018	5.15%	0.292%
64	7.771	979	984	990	rVB2	280044	289889	22.29%	1.264%
65	7.888	1000	1004	1007	rBV	672277	556376	42.77%	2.427%
66	8.000	1019	1023	1029	rVB6	24832	46002	3.54%	0.201%
67	8.094	1035	1039	1043	rBV2	99956	157130	12.08%	0.685%
68	8.182	1052	1054	1058	rVB	68567	50619	3.89%	0.221%
69	8.223	1058	1061	1066	rVB	85586	74382	5.72%	0.324%
70	8.352	1076	1083	1088	rBV	564464	473141	36.37%	2.064%
71	8.458	1097	1101	1107	rVB	781246	760975	58.50%	3.319%
72	8.546	1113	1116	1122	rBV3	74070	129135	9.93%	0.563%
73	8.681	1135	1139	1151	rVV2	52084	71234	5.48%	0.311%
74	8.810	1152	1161	1173	rVV	471548	461666	35.49%	2.014%
75	8.993	1186	1192	1199	rBV3	69408	149447	11.49%	0.652%
76	9.257	1232	1237	1247	rVB	394937	364609	28.03%	1.590%
77	9.345	1247	1252	1259	rVB5	20708	51298	3.94%	0.224%
78	9.427	1260	1266	1273	rBV2	59358	133785	10.29%	0.584%
79	9.527	1277	1283	1286	rVB2	35379	54177	4.17%	0.236%
80	9.674	1303	1308	1316	rBV	357589	308835	23.74%	1.347%
81	9.827	1329	1334	1341	rBV2	51450	103968	7.99%	0.453%
82	10.056	1369	1373	1377	rBV	280953	241411	18.56%	1.053%
83	10.162	1387	1391	1395	rBV	1032720	848309	65.22%	3.700%
84	10.197	1395	1397	1408	rVV3	41161	77640	5.97%	0.339%
85	10.426	1428	1436	1440	rBV	207780	214656	16.50%	0.936%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On : 9 Aug 2013 4:41 pm
Operator : KRISTINR
Sample : MC23228-1
Misc : OP34292,MSF3058,20.26,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

86	10.555	1454	1458	1470	rBV3	36129	89113	6.85%	0.389%
87	10.790	1492	1498	1502	rBV	199020	207274	15.93%	0.904%
88	10.919	1516	1520	1532	rBV4	37302	91948	7.07%	0.401%
89	11.154	1555	1560	1573	rVB	167686	195758	15.05%	0.854%
90	11.260	1573	1578	1593	rBV	879685	955724	73.47%	4.169%
91	11.513	1615	1621	1637	rBV2	135335	185587	14.27%	0.810%
92	11.636	1638	1642	1656	rBV7	21433	59930	4.61%	0.261%
93	11.865	1677	1681	1697	rBV	109210	132288	10.17%	0.577%
94	11.983	1698	1701	1714	rVB6	17958	49933	3.84%	0.218%
95	12.212	1735	1740	1755	rBV	94692	152276	11.71%	0.664%
96	12.547	1793	1797	1813	rBV	73800	113941	8.76%	0.497%
97	12.782	1831	1837	1849	rVB	880210	987992	75.95%	4.309%
98	12.881	1849	1854	1869	rBV	59323	127557	9.81%	0.556%
99	13.199	1904	1908	1958	rBV	46997	182372	14.02%	0.795%
100	13.528	1961	1964	2020	rVB6	28915	156590	12.04%	0.683%

Sum of corrected areas: 22925936

LSC Report - Integrated Chromatogram

```
Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On    :  9 Aug 2013   4:41 pm
Operator  : KRISTINR
Sample    : MC23228-1
Misc      : OP34292,MSF3058,20.26,,,1,1
ALS Vial  : 10   Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title  : SW-864 Method 8270

TIC Library   : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P
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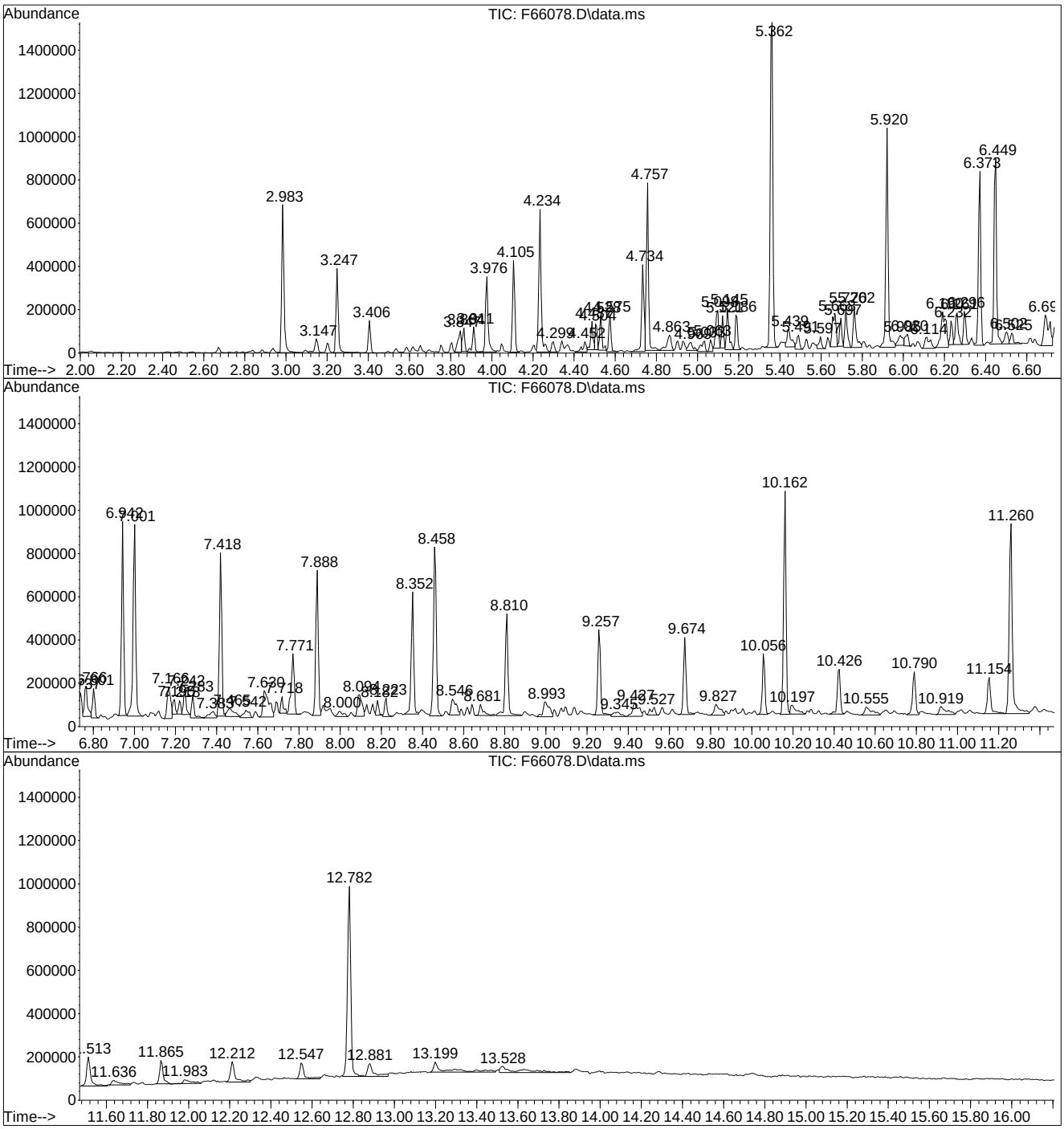


Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On : 9 Aug 2013 4:41 pm
Operator : KRISTINR
Sample : MC23228-1
Misc : OP34292,MSF3058,20.26,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

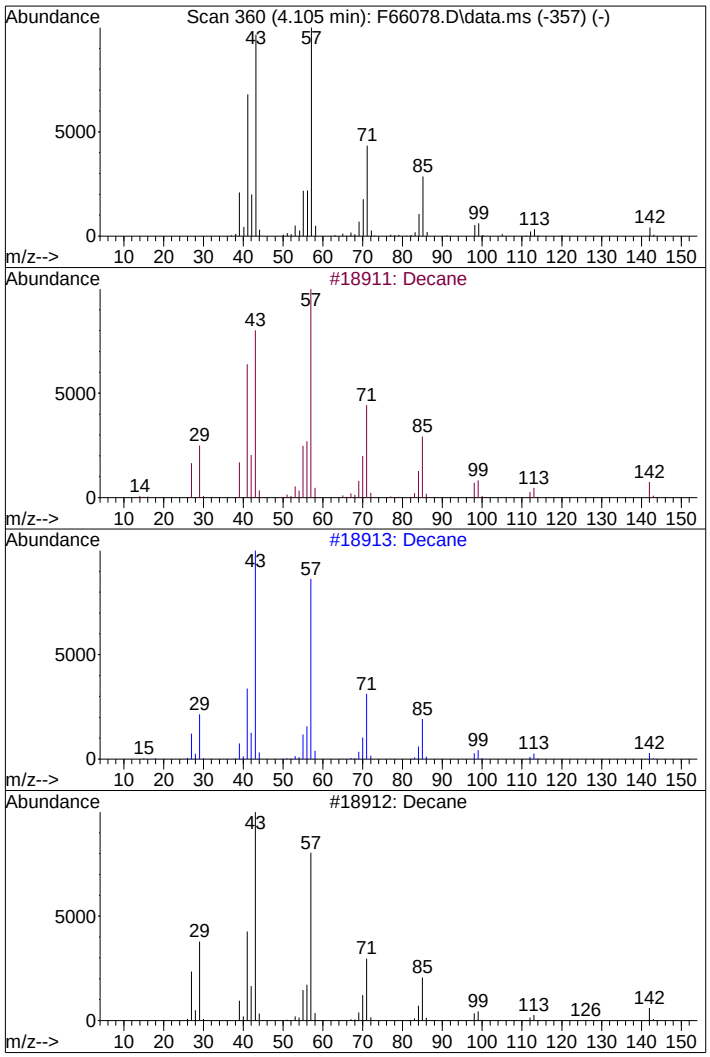
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

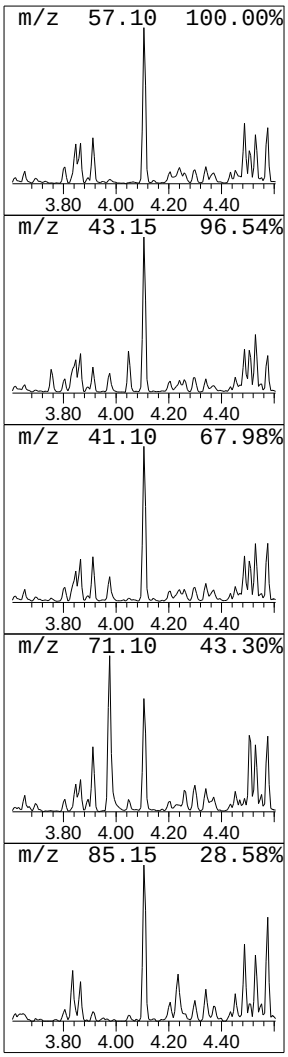
****

Peak Number 2 Decane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.105	23.59 ppm	318061	1,4-Dichlorobenzene-d4A	4.234

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	95
2	Decane	142	C10H22	000124-18-5	94
3	Decane	142	C10H22	000124-18-5	90
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
5	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	64





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On : 9 Aug 2013 4:41 pm
Operator : KRISTINR
Sample : MC23228-1
Misc : OP34292,MSF3058,20.26,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

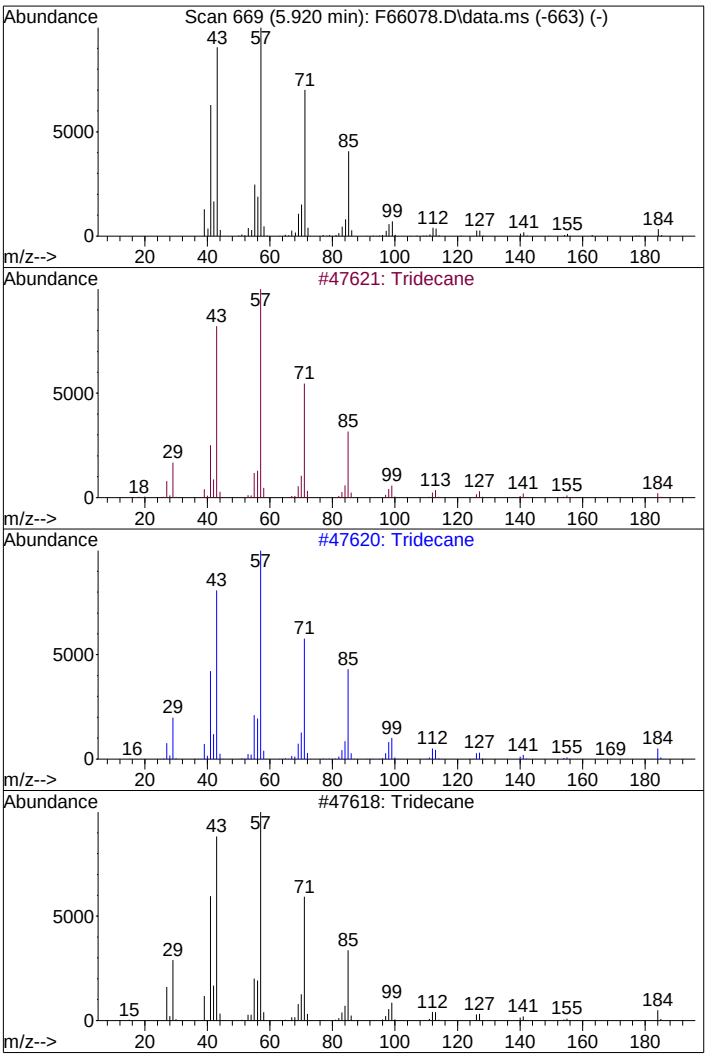
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

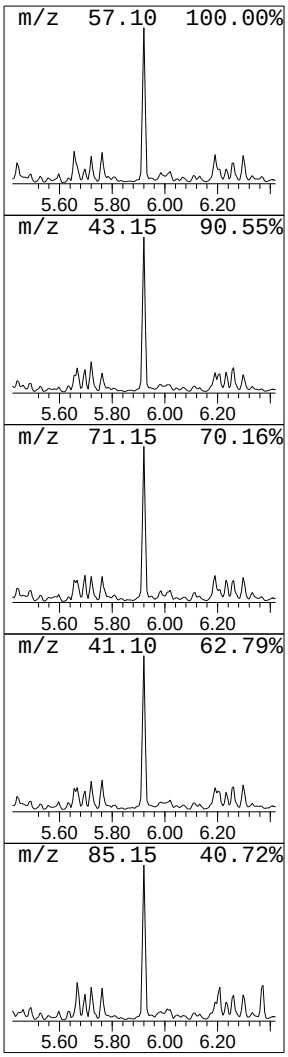
****

Peak Number 3 Tridecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.920	23.94 ppm	778514	Naphthalene-d8b	5.362

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	95
2	Tridecane	184	C13H28	000629-50-5	93
3	Tridecane	184	C13H28	000629-50-5	93
4	Tridecane	184	C13H28	000629-50-5	90
5	Dodecane	170	C12H26	000112-40-3	90





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On : 9 Aug 2013 4:41 pm
Operator : KRISTINR
Sample : MC23228-1
Misc : OP34292,MSF3058,20.26,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

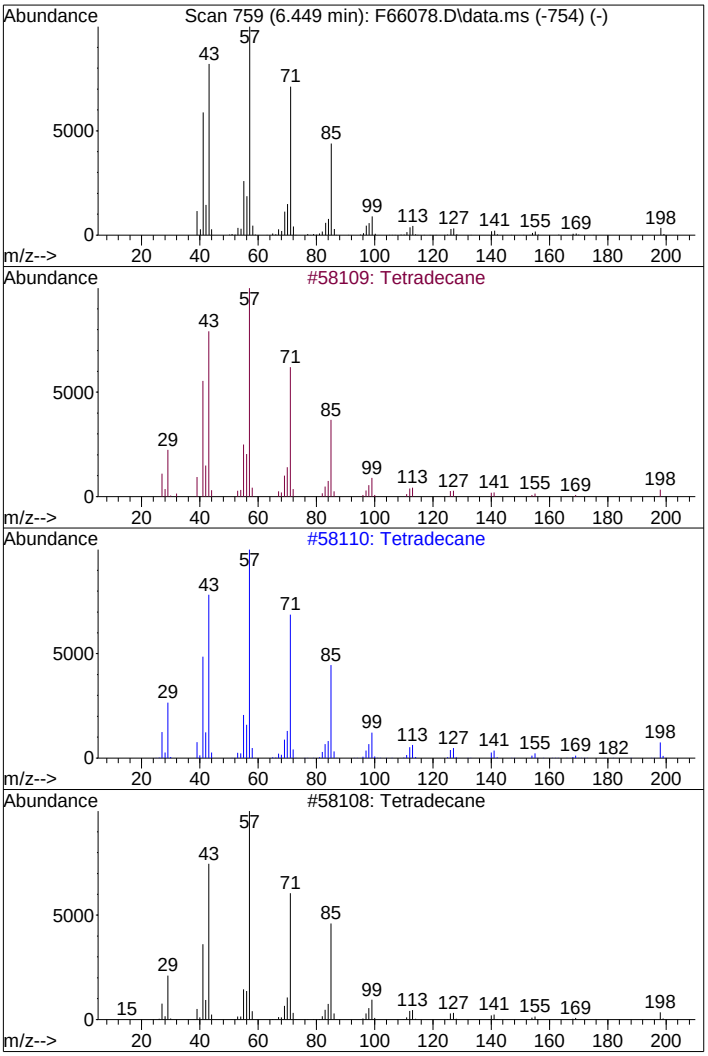
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

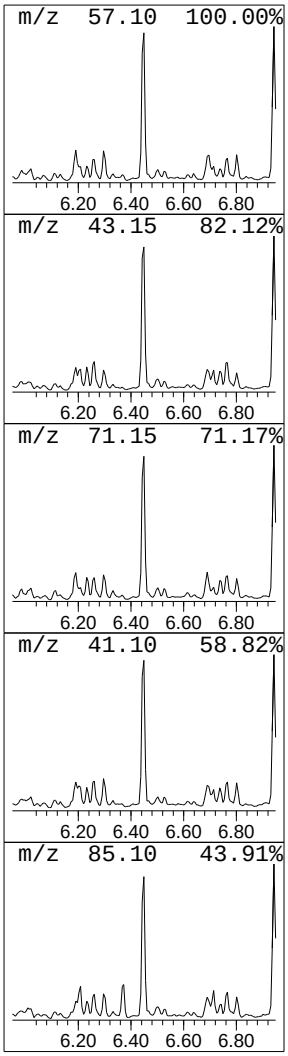
****

Peak Number 5 Tetradecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.449	37.58 ppm	724692	Acenaphthene-d10	7.001

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	98
2	Tetradecane	198	C14H30	000629-59-4	97
3	Tetradecane	198	C14H30	000629-59-4	97
4	Hexadecane	226	C16H34	000544-76-3	91
5	Tridecane	184	C13H28	000629-50-5	91





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On : 9 Aug 2013 4:41 pm
Operator : KRISTINR
Sample : MC23228-1
Misc : OP34292,MSF3058,20.26,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

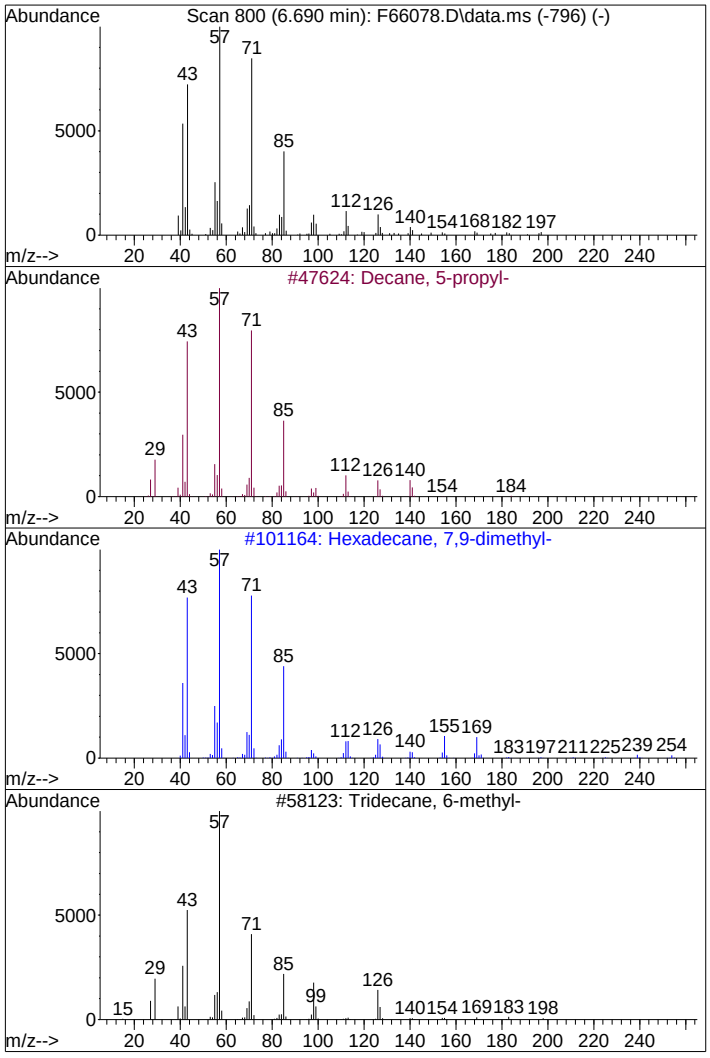
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

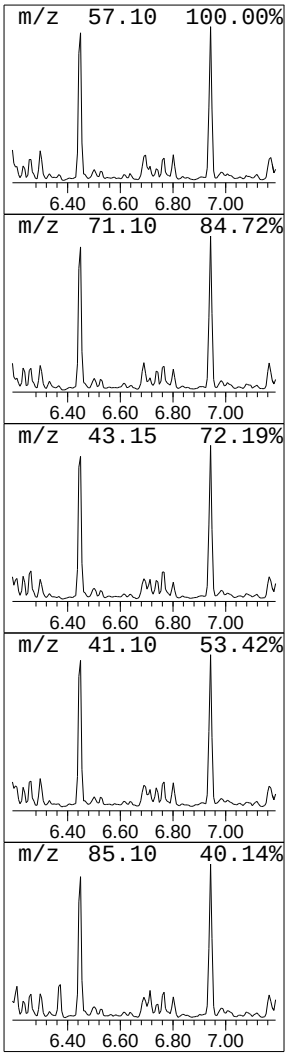
****

Peak Number 6 Decane, 5-propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.690	13.82 ppm	266540	Acenaphthene-d10	7.001

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-propyl-	184	C13H28	017312-62-8	86
2	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	80
3	Tridecane, 6-methyl-	198	C14H30	013287-21-3	64
4	1-Decene, 4-methyl-	154	C11H22	013151-29-6	55
5	Nonadecane	268	C19H40	000629-92-5	53





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On : 9 Aug 2013 4:41 pm
Operator : KRISTINR
Sample : MC23228-1
Misc : OP34292,MSF3058,20.26,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

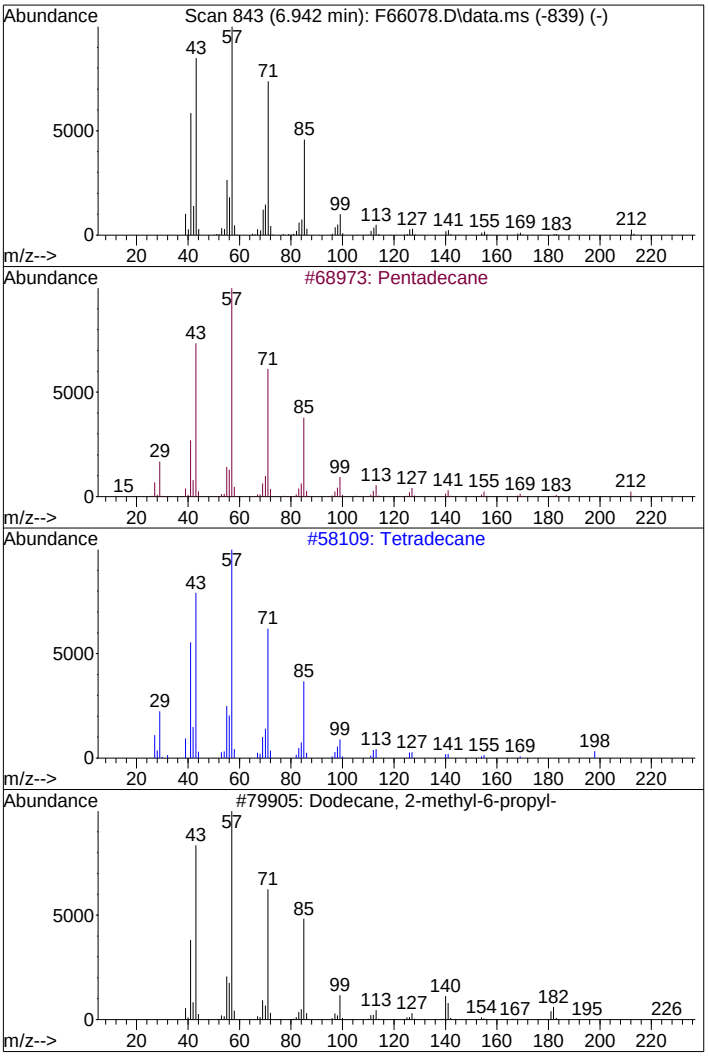
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

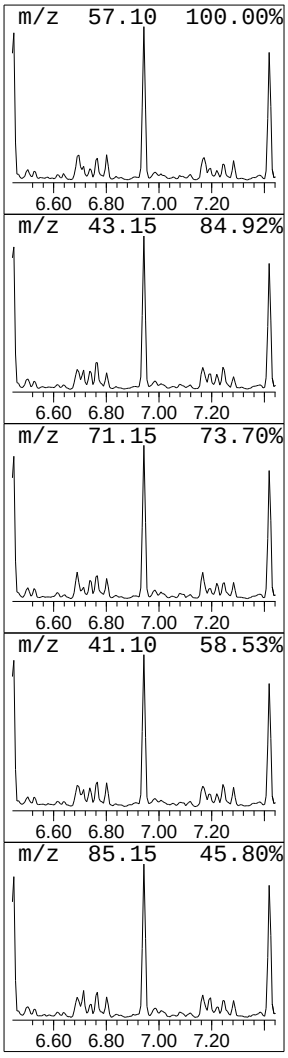
****

Peak Number 7 Pentadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.942	33.67 ppm	649241	Acenaphthene-d10	7.001

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	93
2	Tetradecane	198	C14H30	000629-59-4	91
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
4	Tetradecane	198	C14H30	000629-59-4	90
5	Tetradecane	198	C14H30	000629-59-4	90





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On : 9 Aug 2013 4:41 pm
Operator : KRISTINR
Sample : MC23228-1
Misc : OP34292,MSF3058,20.26,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

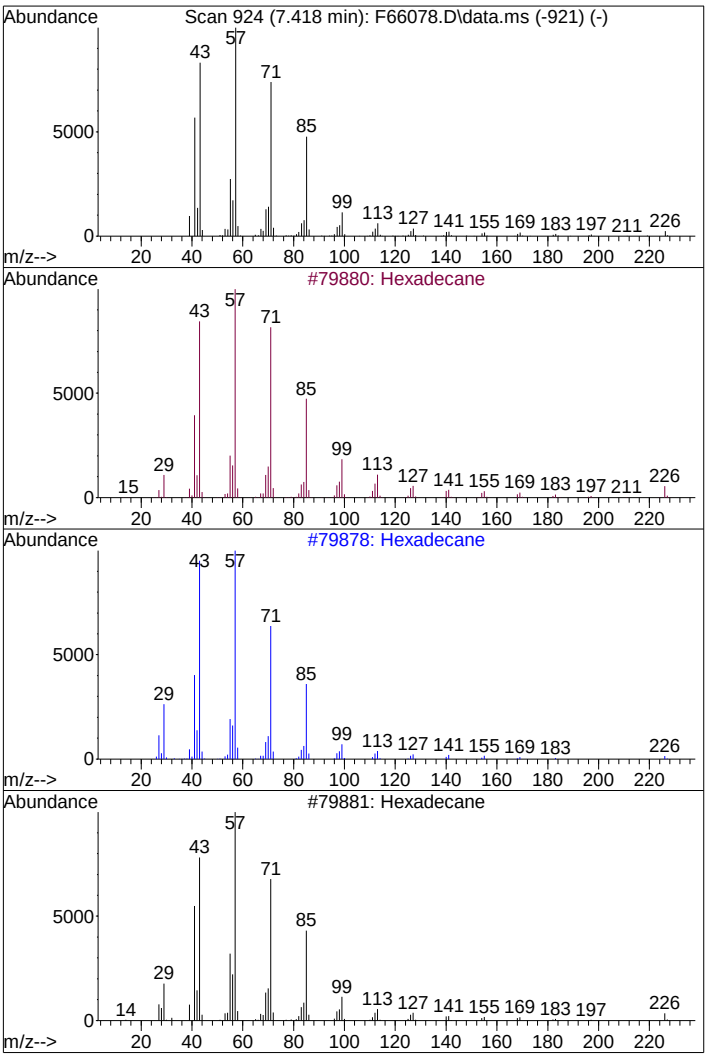
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

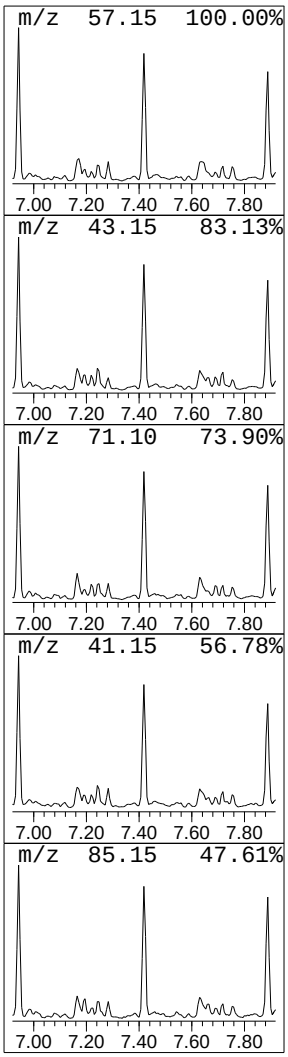
****

Peak Number 8 Hexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.418	30.77 ppm	593289	Acenaphthene-d10a	7.001

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	96
2	Hexadecane	226	C16H34	000544-76-3	96
3	Hexadecane	226	C16H34	000544-76-3	96
4	Hexadecane	226	C16H34	000544-76-3	94
5	Tetradecane	198	C14H30	000629-59-4	91





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On : 9 Aug 2013 4:41 pm
Operator : KRISTINR
Sample : MC23228-1
Misc : OP34292,MSF3058,20.26,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

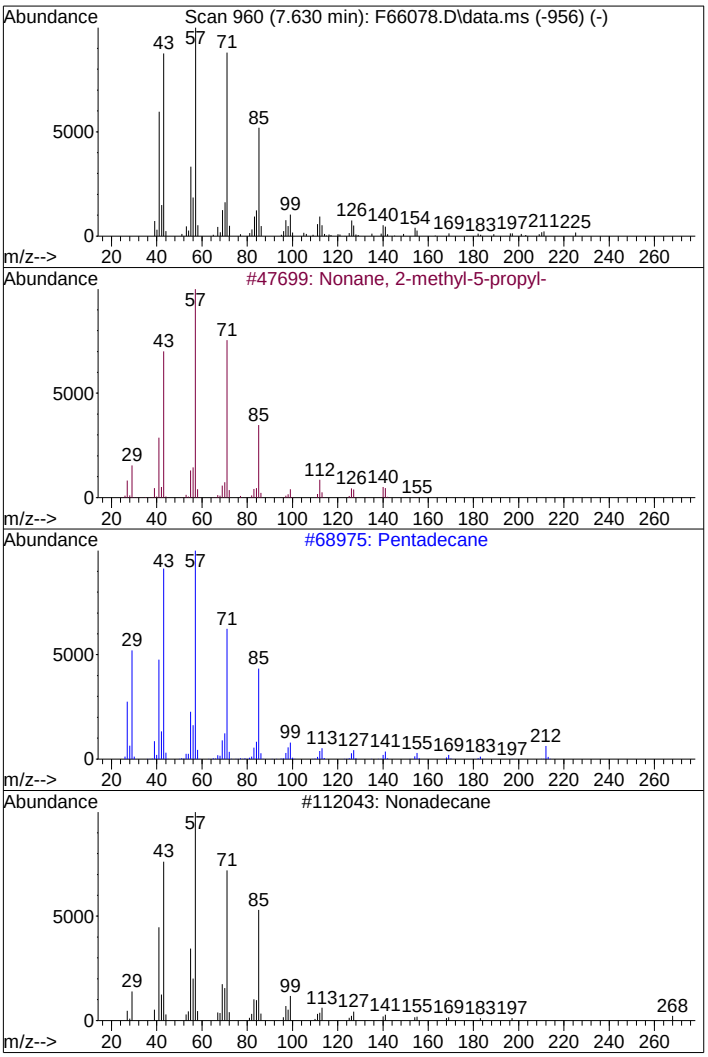
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

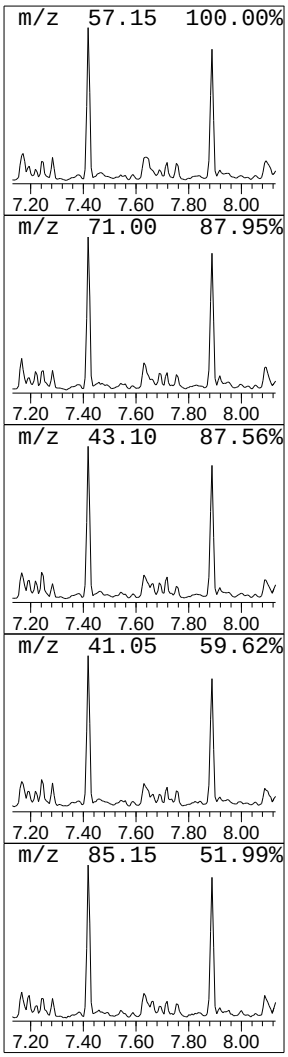
****

Peak Number 9 Nonane, 2-methyl-5-propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.630	13.32 ppm	256918	Acenaphthene-d10a	7.001

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	86
2	Pentadecane	212	C15H32	000629-62-9	86
3	Nonadecane	268	C19H40	000629-92-5	83
4	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	80
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	80





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On : 9 Aug 2013 4:41 pm
Operator : KRISTINR
Sample : MC23228-1
Misc : OP34292,MSF3058,20.26,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

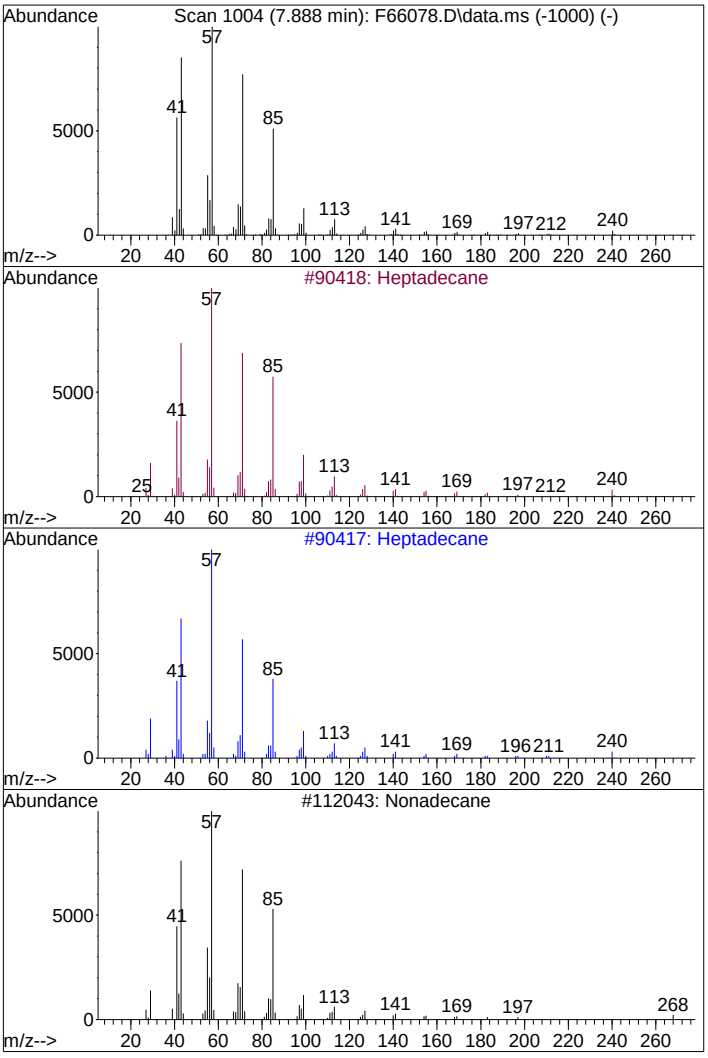
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

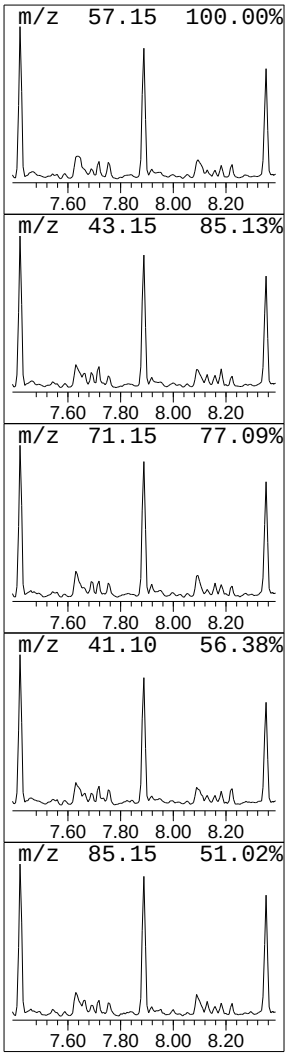
****

Peak Number 10 Heptadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.888	29.25 ppm	556376	Phenanthrene-d10	8.458

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	96
2	Heptadecane	240	C17H36	000629-78-7	93
3	Nonadecane	268	C19H40	000629-92-5	91
4	Tetradecane	198	C14H30	000629-59-4	91
5	Tetradecane	198	C14H30	000629-59-4	91





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On : 9 Aug 2013 4:41 pm
Operator : KRISTINR
Sample : MC23228-1
Misc : OP34292,MSF3058,20.26,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

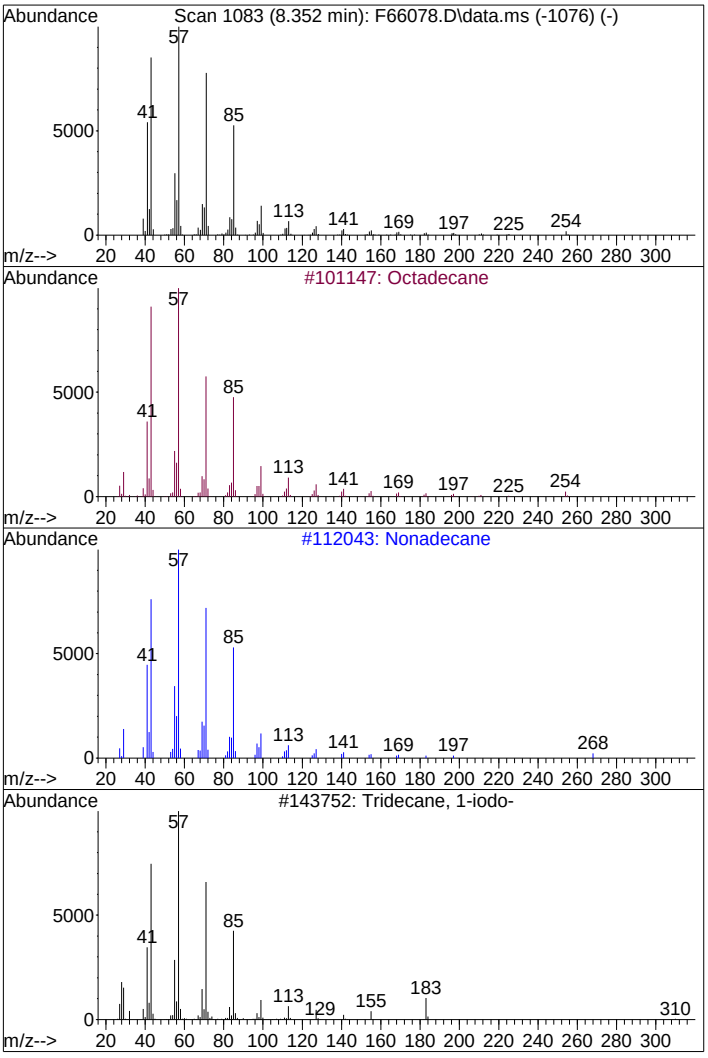
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

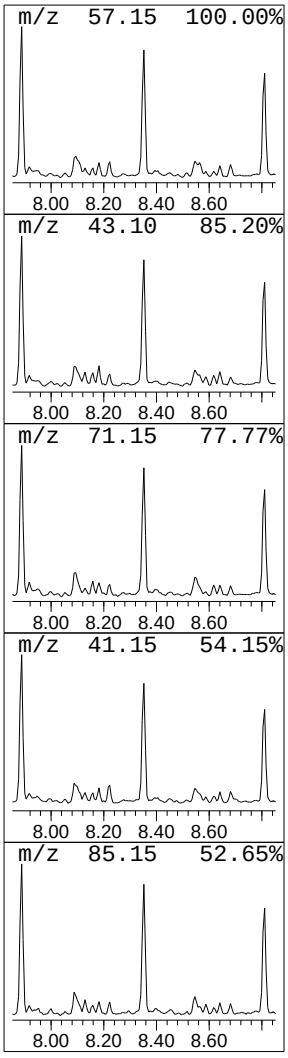
****

Peak Number 11 Octadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.352	24.87 ppm	473141	Phenanthrene-d10	8.458

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	96
2	Nonadecane	268	C19H40	000629-92-5	91
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
4	Heptadecane	240	C17H36	000629-78-7	87
5	Pentadecane	212	C15H32	000629-62-9	87





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On : 9 Aug 2013 4:41 pm
Operator : KRISTINR
Sample : MC23228-1
Misc : OP34292,MSF3058,20.26,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

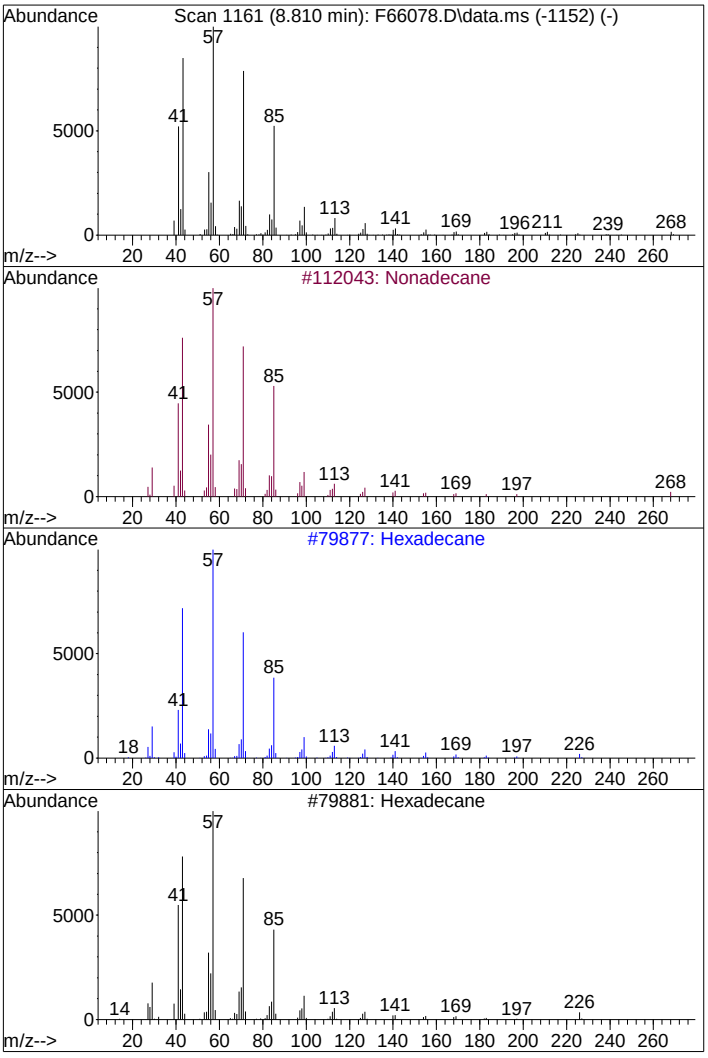
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

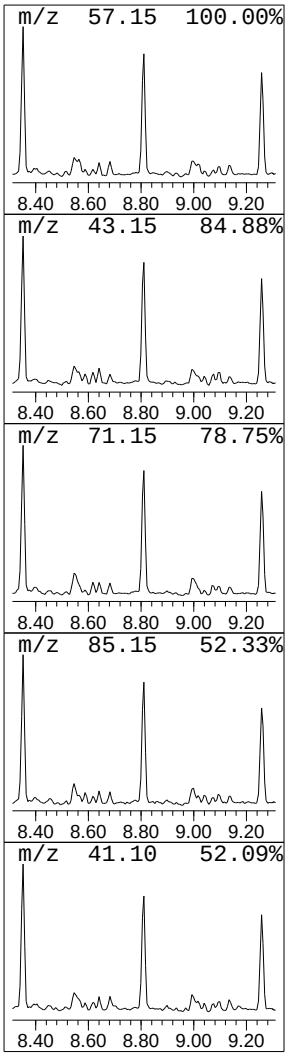
****

Peak Number 12 Nonadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.810	24.27 ppm	461666	Phenanthrene-d10a	8.458

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	98
2	Hexadecane	226	C16H34	000544-76-3	91
3	Hexadecane	226	C16H34	000544-76-3	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Nonadecane	268	C19H40	000629-92-5	91





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On : 9 Aug 2013 4:41 pm
Operator : KRISTINR
Sample : MC23228-1
Misc : OP34292,MSF3058,20.26,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

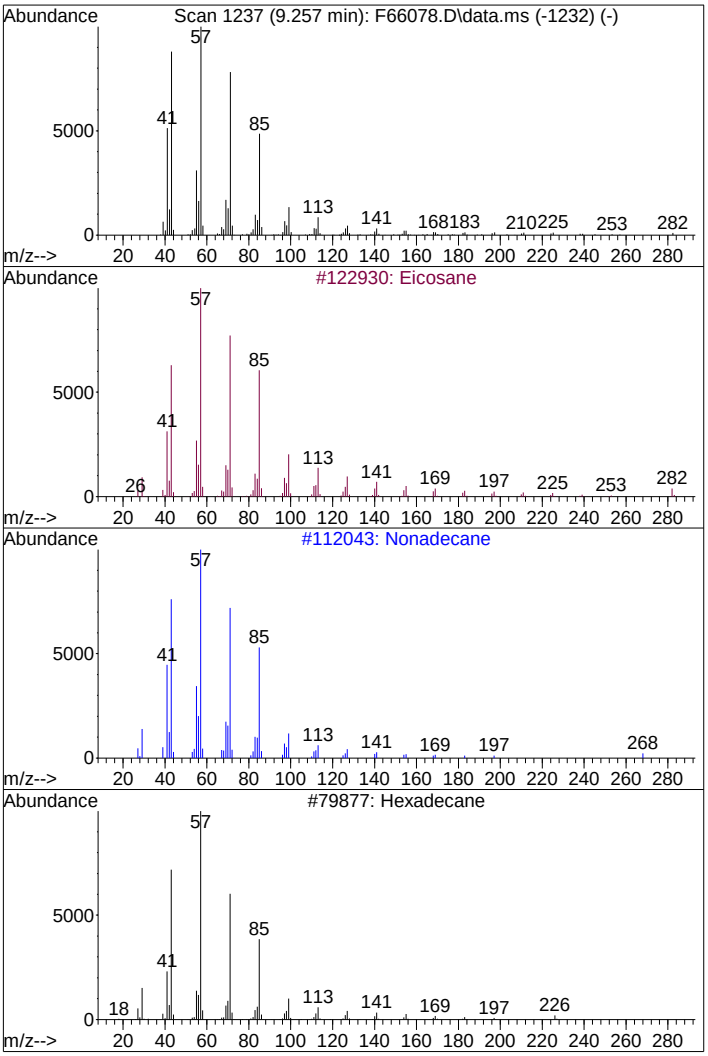
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

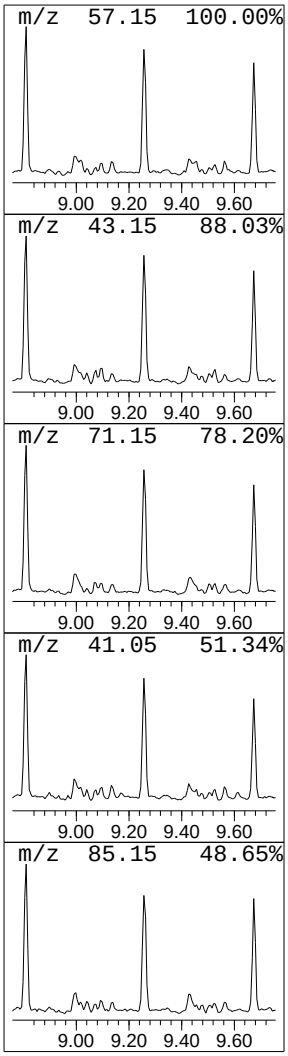
****

Peak Number 13 Eicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.257	19.17 ppm	364609	Phenanthrene-d10a	8.458

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	96
2	Nonadecane	268	C19H40	000629-92-5	91
3	Hexadecane	226	C16H34	000544-76-3	91
4	Tetradecane	198	C14H30	000629-59-4	91
5	Heneicosane	296	C21H44	000629-94-7	91





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On : 9 Aug 2013 4:41 pm
Operator : KRISTINR
Sample : MC23228-1
Misc : OP34292,MSF3058,20.26,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

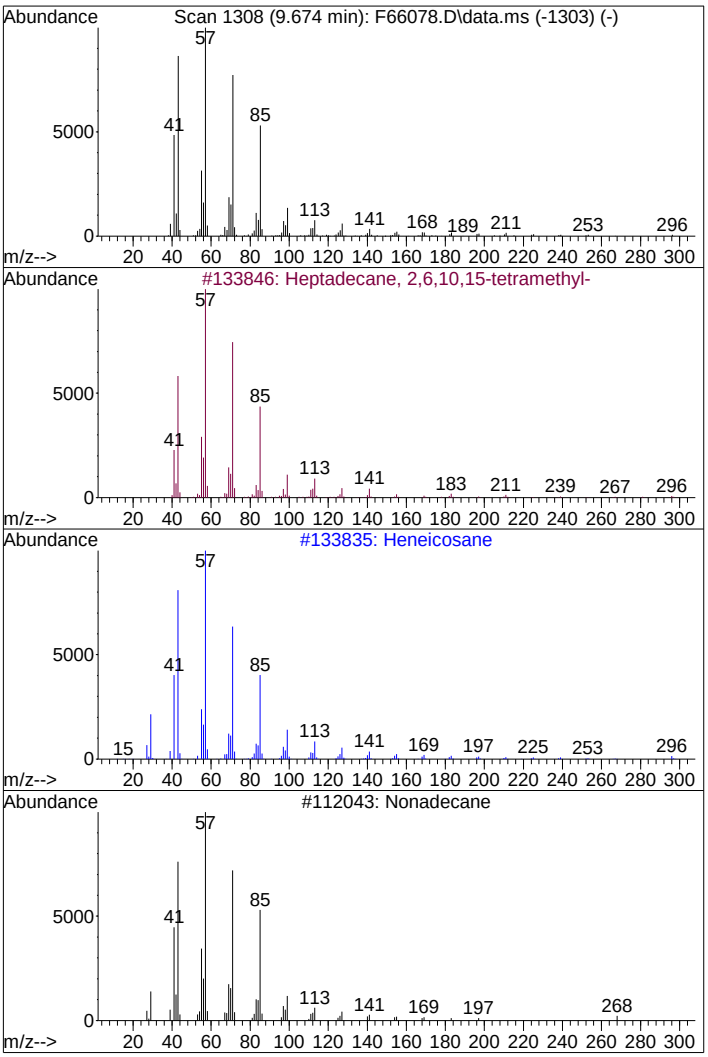
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

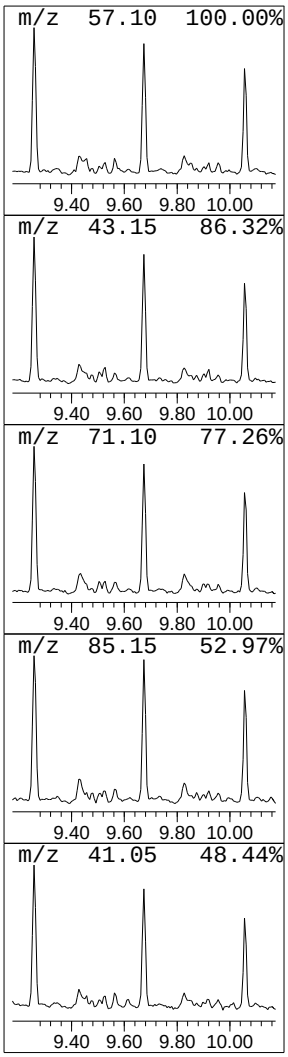
****

Peak Number 14 Heptadecane, 2,6,10,15-tetr... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.674	16.23 ppm	308835	Phenanthrene-d10a	8.458

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	98
2	Heneicosane	296	C21H44	000629-94-7	95
3	Nonadecane	268	C19H40	000629-92-5	91
4	Eicosane	282	C20H42	000112-95-8	91
5	Tetradecane	198	C14H30	000629-59-4	91





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On : 9 Aug 2013 4:41 pm
Operator : KRISTINR
Sample : MC23228-1
Misc : OP34292,MSF3058,20.26,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

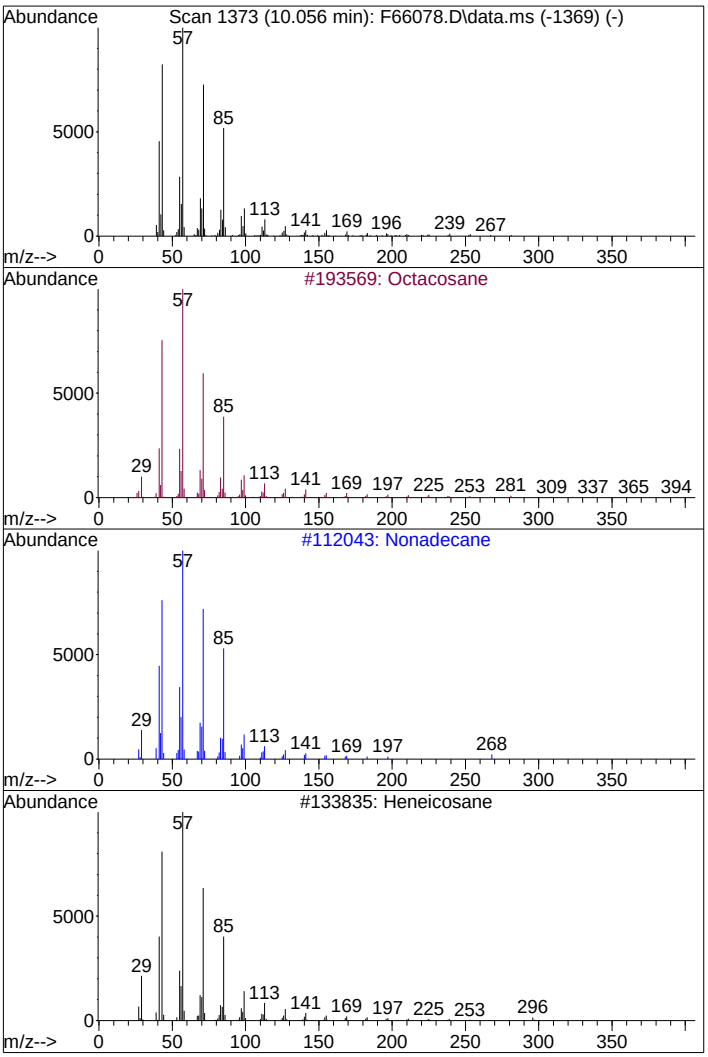
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

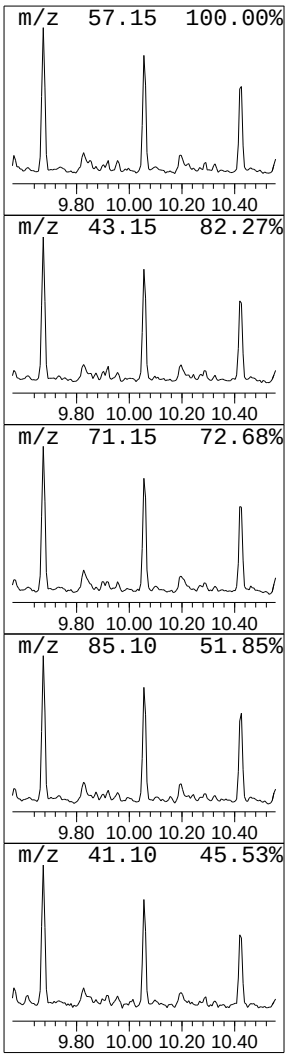
****

Peak Number 15 Eicosane, 10-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.056	10.10 ppm	241411	Chrysene-d12	11.260

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Nonadecane	268	C19H40	000629-92-5	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	90





Tentatively Identified Compound (LSC) summary

Data Path : F:\1\DATA\F130809\
Data File : F66078.D
Acq On : 9 Aug 2013 4:41 pm
Operator : KRISTINR
Sample : MC23228-1
Misc : OP34292,MSF3058,20.26,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Decane	4.105	23.6	ppm	318061	1	4.234	539286	40.0
Tridecane	5.920	23.9	ppm	778514	5	5.362	1300760	40.0
Tetradecane	6.449	37.6	ppm	724692	6	7.001	771353	40.0
Decane, 5-propyl-	6.690	13.8	ppm	266540	6	7.001	771353	40.0
Pentadecane	6.942	33.7	ppm	649241	6	7.001	771353	40.0
Hexadecane	7.418	30.8	ppm	593289	7	7.001	771353	40.0
Nonane, 2-methy...	7.630	13.3	ppm	256918	7	7.001	771353	40.0
Heptadecane	7.888	29.3	ppm	556376	8	8.458	760975	40.0
Octadecane	8.352	24.9	ppm	473141	8	8.458	760975	40.0
Nonadecane	8.810	24.3	ppm	461666	9	8.458	760975	40.0
Eicosane	9.257	19.2	ppm	364609	9	8.458	760975	40.0
Heptadecane, 2,...	9.674	16.2	ppm	308835	9	8.458	760975	40.0
Eicosane, 10-me...	10.056	10.1	ppm	241411	10	11.260	955724	40.0

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On : 9 Aug 2013 5:04 pm
Operator : KRISTINR
Sample : MC23228-2
Misc : OP34292,MSF3058,20.46,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 14 16:44:01 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

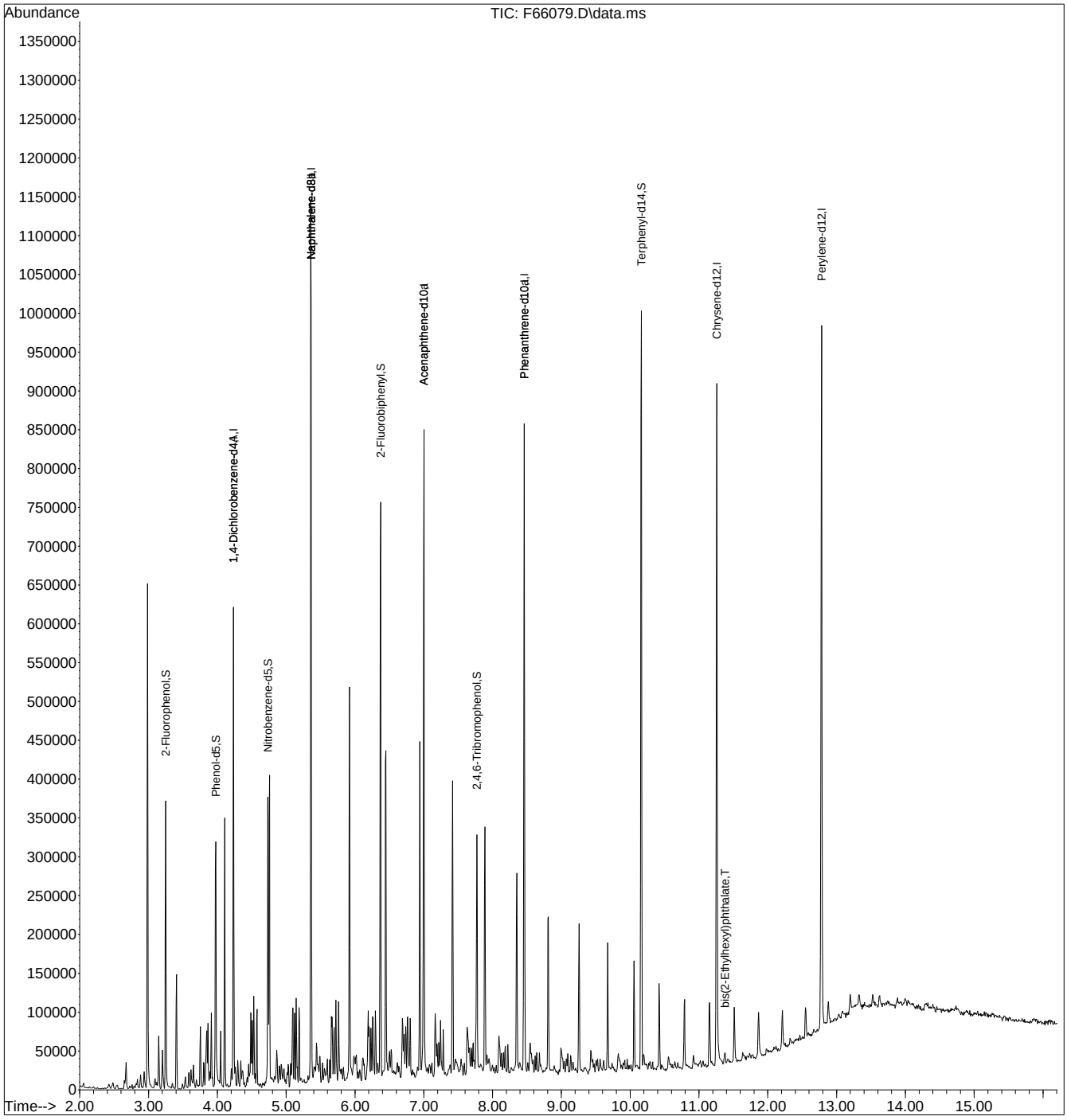
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.235	152	70469	40.00	ppm	0.01
21) 1,4-Dichlorobenzene-d4A	4.235	152	70469	40.00	PPM	0.01
23) Naphthalene-d8	5.363	136	260144	40.00	ppm	0.01
41) Naphthalene-d8a	5.363	136	260144	40.00	ppm	0.01
43) Acenaphthene-d10	7.002	164	153293	40.00	ppm	0.01
65) Acenaphthene-d10a	7.002	164	153293	40.00	ppm	0.01
67) Phenanthrene-d10	8.459	188	269104	40.00	ppm	0.00
80) Phenanthrene-d10a	8.459	188	269104	40.00	ppm	0.00
82) Chrysene-d12	11.261	240	322263	40.00	ppm	0.01
92) Perylene-d12	12.782	264	344050	40.00	ppm	0.01
100) Naphthalene-d8b	5.363	136	260144	40.00	ug/mL	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.248	112	72539	35.31	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 35.31%			
7) Phenol-d5	3.977	99	97790	37.40	ppm	0.03
Spiked Amount 100.000	Range 30 - 130		Recovery = 37.40%			
24) Nitrobenzene-d5	4.734	82	96781	39.78	ppm	-0.01
Spiked Amount 50.000	Range 30 - 130		Recovery = 79.56%			
48) 2-Fluorobiphenyl	6.373	172	203339	39.41	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 78.82%			
71) 2,4,6-Tribromophenol	7.771	330	29857	34.61	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 34.61%			
85) Terphenyl-d14	10.162	244	294759	43.07	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 86.14%			
Target Compounds						Qvalue
91) bis(2-Ethylhexyl)phtha...	11.378	149	3400	0.75	ppm	80

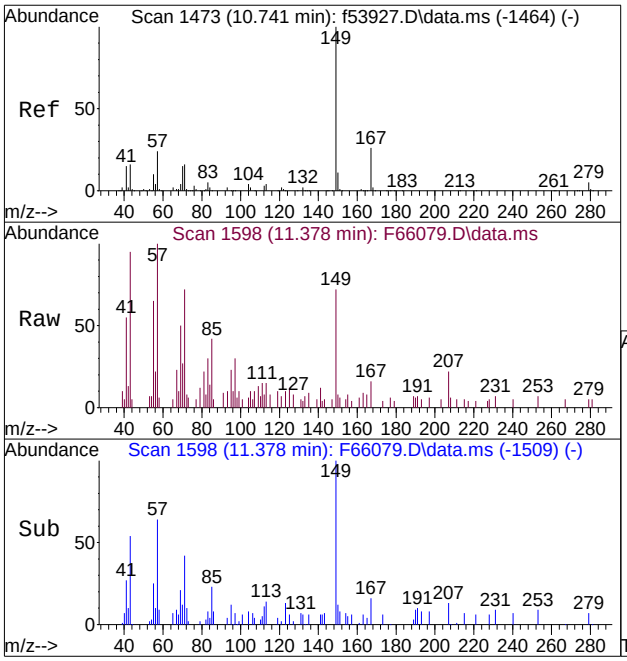
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On : 9 Aug 2013 5:04 pm
Operator : KRISTINR
Sample : MC23228-2
Misc : OP34292,MSF3058,20.46,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 14 16:44:01 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

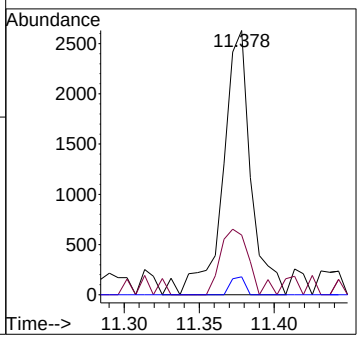




#91
bis(2-Ethylhexyl)phthalate
Concen: 0.75 ppm
RT: 11.378 min Scan# 1598
Delta R.T. 0.025 min
Lab File: F66079.D
Acq: 9 Aug 2013 5:04 pm

Tgt Ion:149 Resp: 3400

Ion	Ratio	Lower	Upper
149	100		
167	16.6	0.0	58.7
279	6.8	0.0	35.2



LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On : 9 Aug 2013 5:04 pm
Operator : KRISTINR
Sample : MC23228-2
Misc : OP34292,MSF3058,20.46,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

Signal : TIC: F66079.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.672	107	116	121	rBV2	34451	41942	4.20%	0.263%
2	2.984	166	169	184	rVV	650971	503915	50.51%	3.159%
3	3.148	194	197	202	rVV	68320	63986	6.41%	0.401%
4	3.201	202	206	211	rVV2	50205	51228	5.13%	0.321%
5	3.248	211	214	228	rVV	371300	289341	29.00%	1.814%
6	3.407	237	241	246	rVB	147563	113299	11.36%	0.710%
7	3.618	274	277	281	rVV2	24056	29624	2.97%	0.186%
8	3.753	295	300	304	rVV	78859	62639	6.28%	0.393%
9	3.800	304	308	311	rVV	32258	31384	3.15%	0.197%
10	3.847	311	316	317	rVV2	72930	90960	9.12%	0.570%
11	3.865	317	319	322	rVV	82132	66714	6.69%	0.418%
12	3.912	322	327	333	rVB2	95251	90705	9.09%	0.569%
13	3.977	333	338	347	rBV	315564	311652	31.24%	1.954%
14	4.047	347	350	356	rVB	71902	53064	5.32%	0.333%
15	4.106	356	360	364	rBV	346324	244336	24.49%	1.532%
16	4.235	378	382	390	rVB	616570	506727	50.79%	3.177%
17	4.294	390	392	397	rVB3	33977	34874	3.50%	0.219%
18	4.341	397	400	402	rBV	33324	29455	2.95%	0.185%
19	4.364	402	404	411	rVB4	21650	31675	3.17%	0.199%
20	4.452	411	419	421	rBV	29899	39932	4.00%	0.250%
21	4.488	421	425	427	rVV	91803	82275	8.25%	0.516%
22	4.505	427	428	430	rVV	81622	54090	5.42%	0.339%
23	4.529	430	432	437	rVB	112817	87112	8.73%	0.546%
24	4.576	437	440	446	rVB	99362	80306	8.05%	0.503%
25	4.734	459	467	469	rBV	371957	311825	31.25%	1.955%
26	4.758	469	471	481	rVB	395580	305300	30.60%	1.914%
27	4.864	481	489	492	rVB3	42558	59817	6.00%	0.375%
28	5.028	512	517	520	rVB4	29810	43315	4.34%	0.272%
29	5.063	520	523	525	rBV	30857	30105	3.02%	0.189%
30	5.099	525	529	531	rVV	93763	95690	9.59%	0.600%
31	5.122	531	533	535	rVV	86956	57931	5.81%	0.363%
32	5.146	535	537	542	rVB	108707	88680	8.89%	0.556%
33	5.187	542	544	553	rBV	96513	79918	8.01%	0.501%
34	5.357	568	573	579	rBV	1134125	958627	96.08%	6.010%
35	5.439	585	587	593	rVV	46209	63406	6.36%	0.398%
36	5.492	593	596	599	rVB	33221	31776	3.18%	0.199%
37	5.598	610	614	617	rVB	30699	31146	3.12%	0.195%
38	5.657	622	624	628	rBV2	79803	106830	10.71%	0.670%
39	5.698	628	631	633	rVV	64191	53578	5.37%	0.336%
40	5.721	633	635	639	rVB	103642	85646	8.58%	0.537%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On : 9 Aug 2013 5:04 pm
Operator : KRISTINR
Sample : MC23228-2
Misc : OP34292,MSF3058,20.46,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

41	5.762	639	642	648	rBV	101825	100667	10.09%	0.631%
42	5.921	658	669	676	rBV	507149	408266	40.92%	2.560%
43	5.986	676	680	683	rVV3	25504	43301	4.34%	0.271%
44	6.021	683	686	689	rVB2	27445	29482	2.95%	0.185%
45	6.115	698	702	708	rBV3	29925	57037	5.72%	0.358%
46	6.191	708	715	720	rBV3	89561	149388	14.97%	0.937%
47	6.232	720	722	724	rVV	60017	42858	4.30%	0.269%
48	6.256	724	726	731	rVB	74658	74691	7.49%	0.468%
49	6.297	731	733	737	rBV	82035	64542	6.47%	0.405%
50	6.373	742	746	750	rVB	737104	613742	61.52%	3.848%
51	6.450	750	759	765	rBV	417151	379016	37.99%	2.376%
52	6.503	765	768	770	rVV	28259	31083	3.12%	0.195%
53	6.691	796	800	806	rBV3	76598	143333	14.37%	0.899%
54	6.737	806	808	810	rVV	56360	42050	4.21%	0.264%
55	6.767	810	813	817	rVV	67641	68284	6.84%	0.428%
56	6.802	817	819	823	rVB	73568	57180	5.73%	0.358%
57	6.943	839	843	846	rBV	423911	323953	32.47%	2.031%
58	7.002	847	853	860	rVB	826786	713905	71.55%	4.476%
59	7.166	877	881	884	rBV2	80980	97783	9.80%	0.613%
60	7.243	892	894	899	rVB	64091	54271	5.44%	0.340%
61	7.284	899	901	909	rVB	59606	48265	4.84%	0.303%
62	7.384	909	918	920	rBV	14135	27046	2.71%	0.170%
63	7.419	920	924	928	rBV	377146	300865	30.16%	1.886%
64	7.460	928	931	940	rVB8	17113	36967	3.71%	0.232%
65	7.542	940	945	950	rVB9	21507	35064	3.51%	0.220%
66	7.630	956	960	968	rBV3	61979	132903	13.32%	0.833%
67	7.719	973	975	979	rVV2	34671	36007	3.61%	0.226%
68	7.771	979	984	991	rVV2	302873	290827	29.15%	1.823%
69	7.889	999	1004	1007	rBV	314215	267920	26.85%	1.680%
70	8.094	1035	1039	1043	rVV3	47896	75978	7.62%	0.476%
71	8.224	1058	1061	1066	rVB	36855	33008	3.31%	0.207%
72	8.353	1075	1083	1088	rVV	254744	233959	23.45%	1.467%
73	8.459	1097	1101	1107	rVV	835935	742022	74.37%	4.652%
74	8.547	1113	1116	1125	rVB3	38328	80968	8.12%	0.508%
75	8.682	1135	1139	1148	rVB2	24955	30780	3.09%	0.193%
76	8.811	1152	1161	1172	rBV	199506	206074	20.65%	1.292%
77	8.993	1185	1192	1198	rBV3	34690	74425	7.46%	0.467%
78	9.258	1233	1237	1247	rBV	192404	178455	17.89%	1.119%
79	9.428	1259	1266	1276	rBV5	30871	77376	7.76%	0.485%
80	9.675	1304	1308	1315	rVV	164395	142798	14.31%	0.895%
81	9.827	1329	1334	1344	rBV4	23679	59590	5.97%	0.374%
82	10.057	1368	1373	1377	rBV	142216	122761	12.30%	0.770%
83	10.162	1385	1391	1395	rBV	974748	855538	85.75%	5.364%
84	10.192	1395	1396	1407	rVB4	19272	35222	3.53%	0.221%
85	10.421	1428	1435	1439	rBV	111242	108980	10.92%	0.683%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On : 9 Aug 2013 5:04 pm
Operator : KRISTINR
Sample : MC23228-2
Misc : OP34292,MSF3058,20.46,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

86	10.556	1453	1458	1466	rBV6	17176	33865	3.39%	0.212%
87	10.791	1492	1498	1516	rBV	90122	115186	11.55%	0.722%
88	10.920	1516	1520	1532	rBV4	17063	39615	3.97%	0.248%
89	11.155	1556	1560	1571	rBV	81817	95880	9.61%	0.601%
90	11.261	1573	1578	1593	rBV	878407	925345	92.75%	5.801%
91	11.513	1616	1621	1628	rVB	70729	80516	8.07%	0.505%
92	11.866	1676	1681	1698	rVV	57377	83910	8.41%	0.526%
93	11.977	1698	1700	1714	rBV	8057	29539	2.96%	0.185%
94	12.212	1734	1740	1753	rBV	51371	86397	8.66%	0.542%
95	12.547	1794	1797	1813	rBV	39942	69720	6.99%	0.437%
96	12.782	1830	1837	1850	rBV	906449	997702	100.00%	6.255%
97	12.882	1850	1854	1876	rVV2	28697	71876	7.20%	0.451%
98	13.199	1904	1908	1926	rBV7	26311	99242	9.95%	0.622%
99	13.522	1961	1963	1976	rVB7	16479	32508	3.26%	0.204%
100	13.628	1977	1981	2020	rVV7	14471	65630	6.58%	0.411%

Sum of corrected areas: 15950386

LSC Report - Integrated Chromatogram

```
Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On    :  9 Aug 2013   5:04 pm
Operator  : KRISTINR
Sample    : MC23228-2
Misc      : OP34292,MSF3058,20.46,,,1,1
ALS Vial  : 11   Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title  : SW-864 Method 8270

TIC Library   : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P
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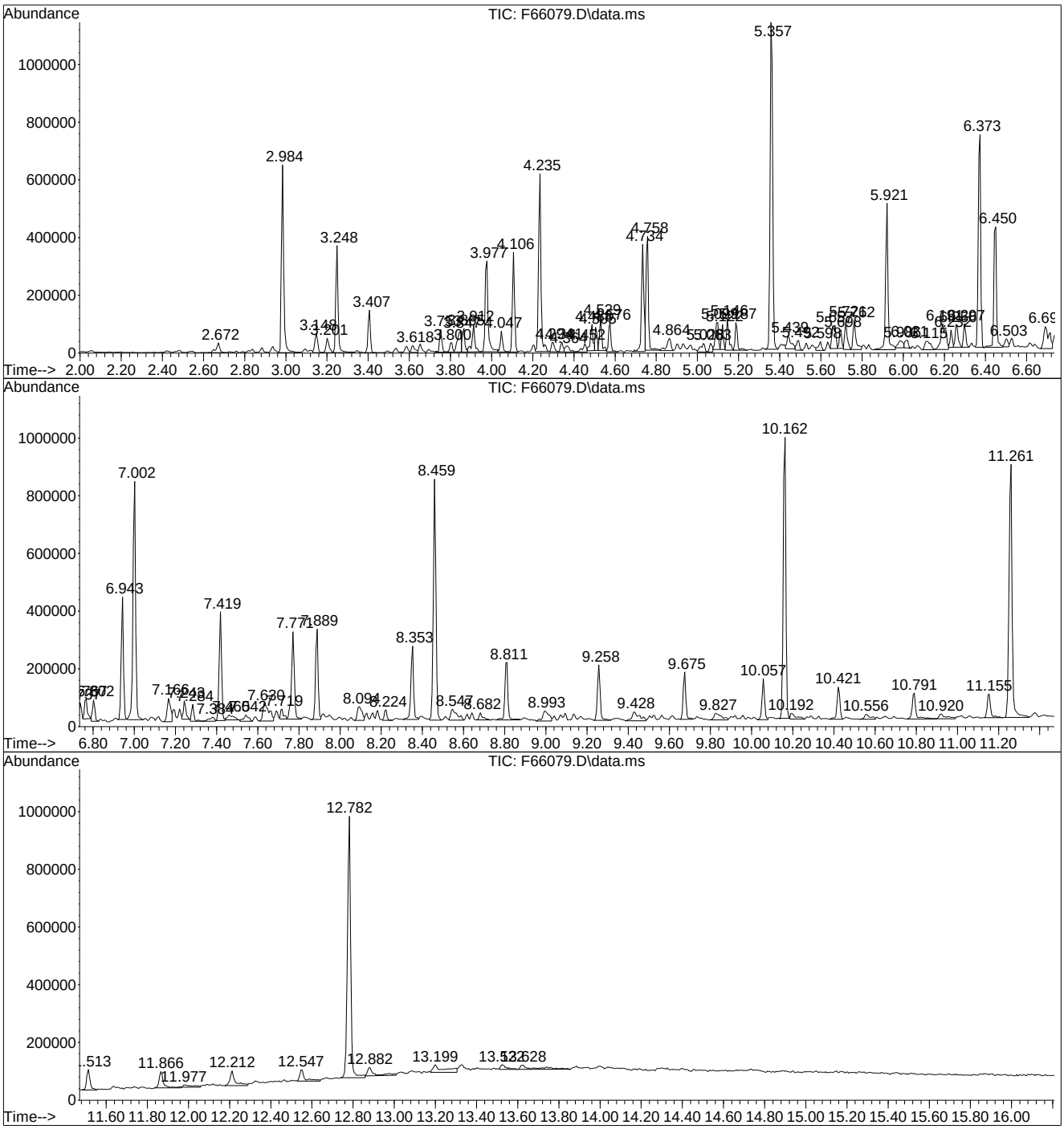


Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On : 9 Aug 2013 5:04 pm
Operator : KRISTINR
Sample : MC23228-2
Misc : OP34292,MSF3058,20.46,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

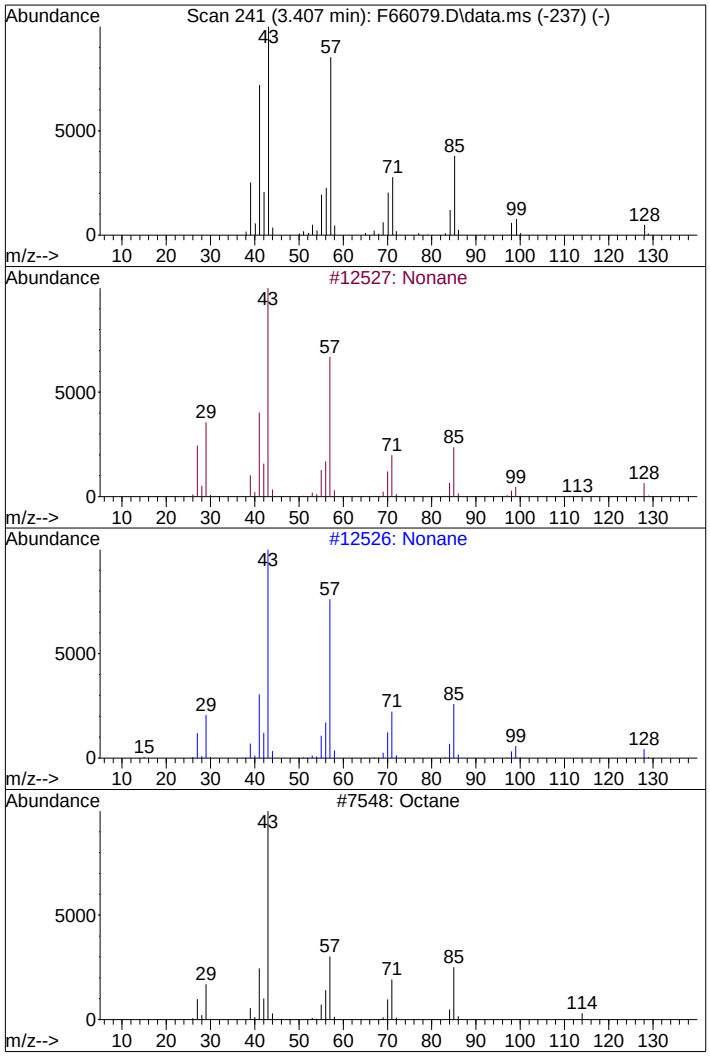
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

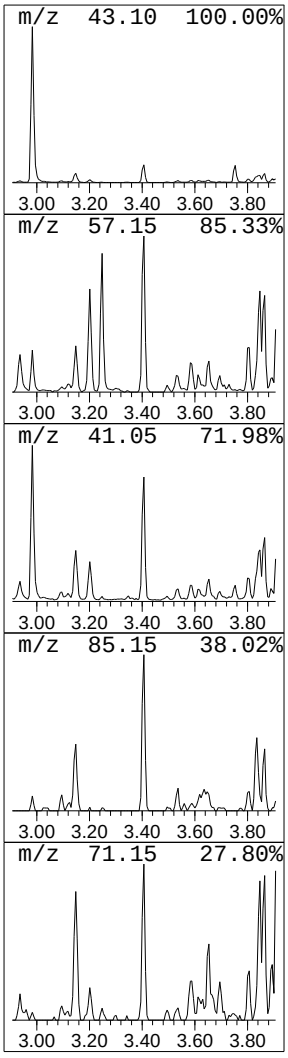
****

Peak Number 2 Nonane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.407	8.94 ppm	113299	1,4-Dichlorobenzene-d4A	4.235

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	91
2	Nonane	128	C9H20	000111-84-2	87
3	Octane	114	C8H18	000111-65-9	64
4	Octane	114	C8H18	000111-65-9	53
5	2,4,6,8-Tetramethyl-1-undecene	210	C15H30	059920-26-2	50





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On : 9 Aug 2013 5:04 pm
Operator : KRISTINR
Sample : MC23228-2
Misc : OP34292,MSF3058,20.46,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

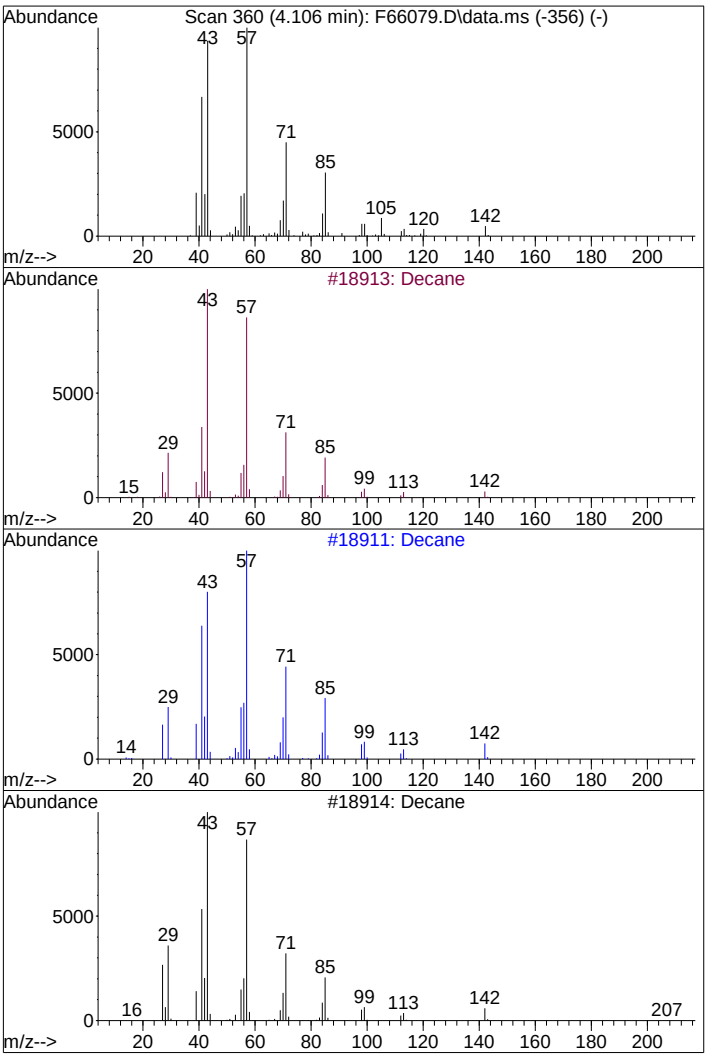
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

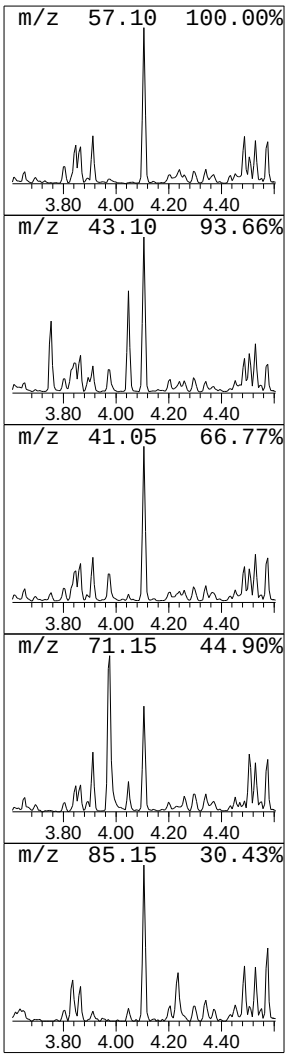
****

Peak Number 3 Decane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.106	19.29 ppm	244336	1,4-Dichlorobenzene-d4A	4.235

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	94
2	Decane	142	C10H22	000124-18-5	91
3	Decane	142	C10H22	000124-18-5	76
4	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	72
5	Decane, 2-methyl-	156	C11H24	006975-98-0	59





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On : 9 Aug 2013 5:04 pm
Operator : KRISTINR
Sample : MC23228-2
Misc : OP34292,MSF3058,20.46,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

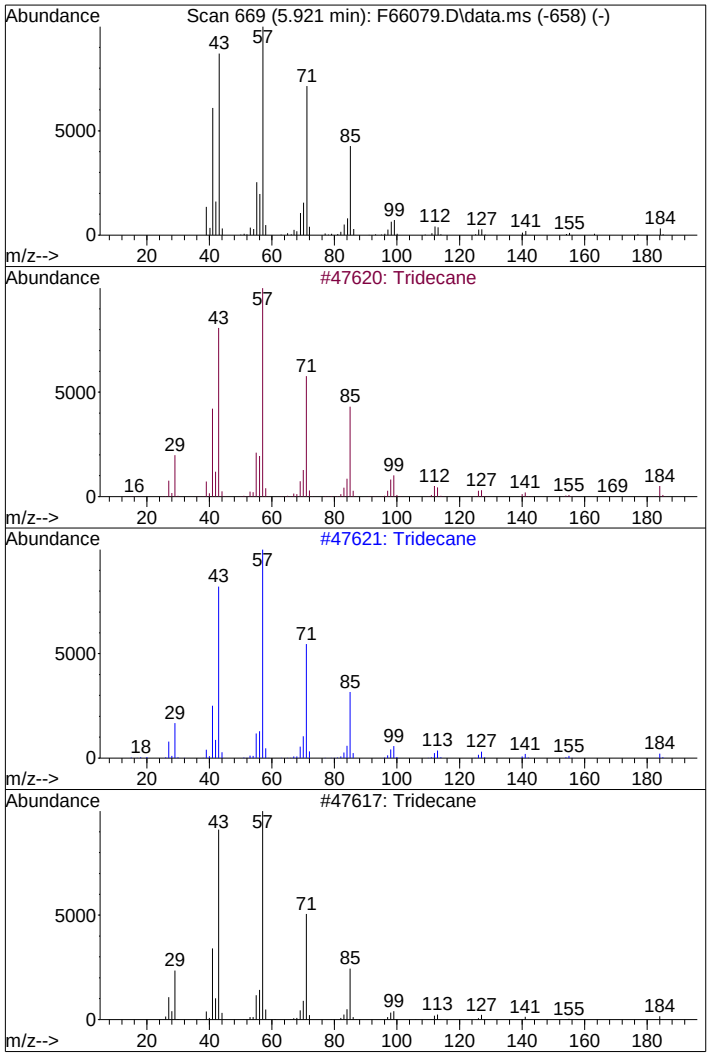
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

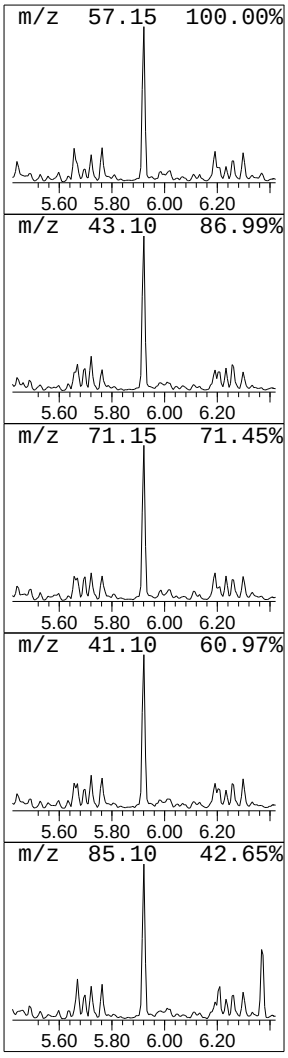
****

Peak Number 4 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.921	17.04 ppm	408266	Naphthalene-d8b	5.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Tridecane	184	C13H28	000629-50-5	94
3	Tridecane	184	C13H28	000629-50-5	91
4	Hexadecane	226	C16H34	000544-76-3	90
5	Dodecane	170	C12H26	000112-40-3	90





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On : 9 Aug 2013 5:04 pm
Operator : KRISTINR
Sample : MC23228-2
Misc : OP34292,MSF3058,20.46,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

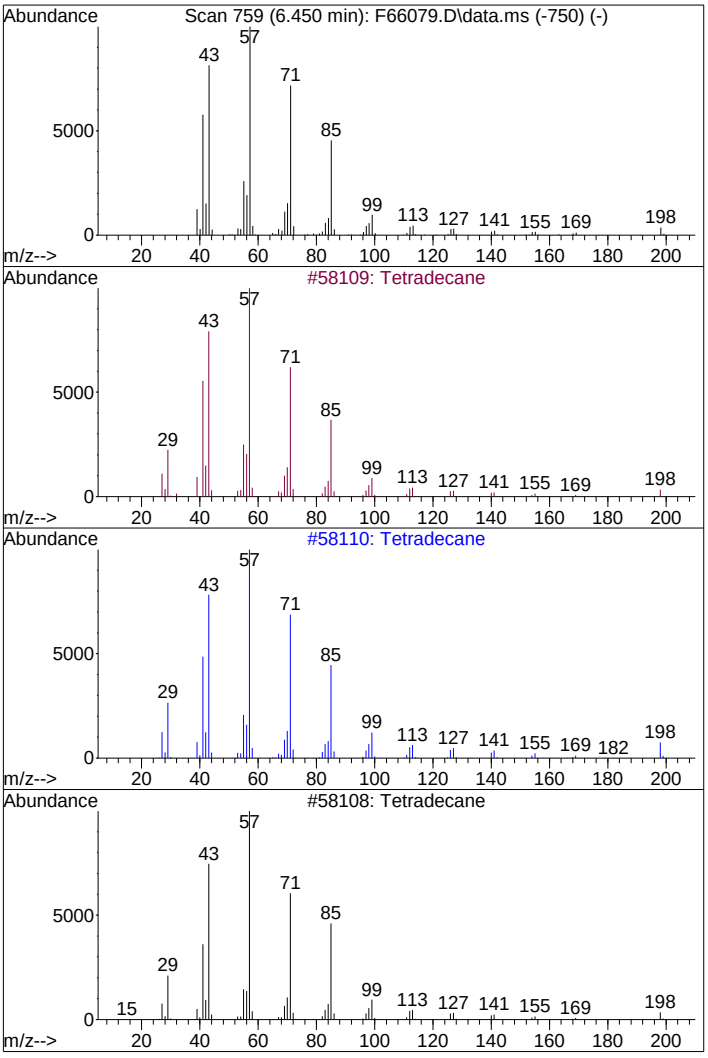
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

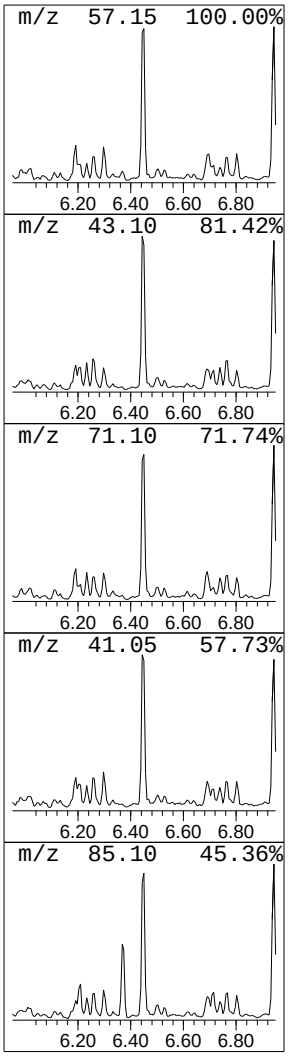
****

Peak Number 6 Tetradecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.450	21.24 ppm	379016	Acenaphthene-d10	7.002

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	98
2	Tetradecane	198	C14H30	000629-59-4	97
3	Tetradecane	198	C14H30	000629-59-4	96
4	Hexadecane	226	C16H34	000544-76-3	91
5	Tridecane	184	C13H28	000629-50-5	90





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On : 9 Aug 2013 5:04 pm
Operator : KRISTINR
Sample : MC23228-2
Misc : OP34292,MSF3058,20.46,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

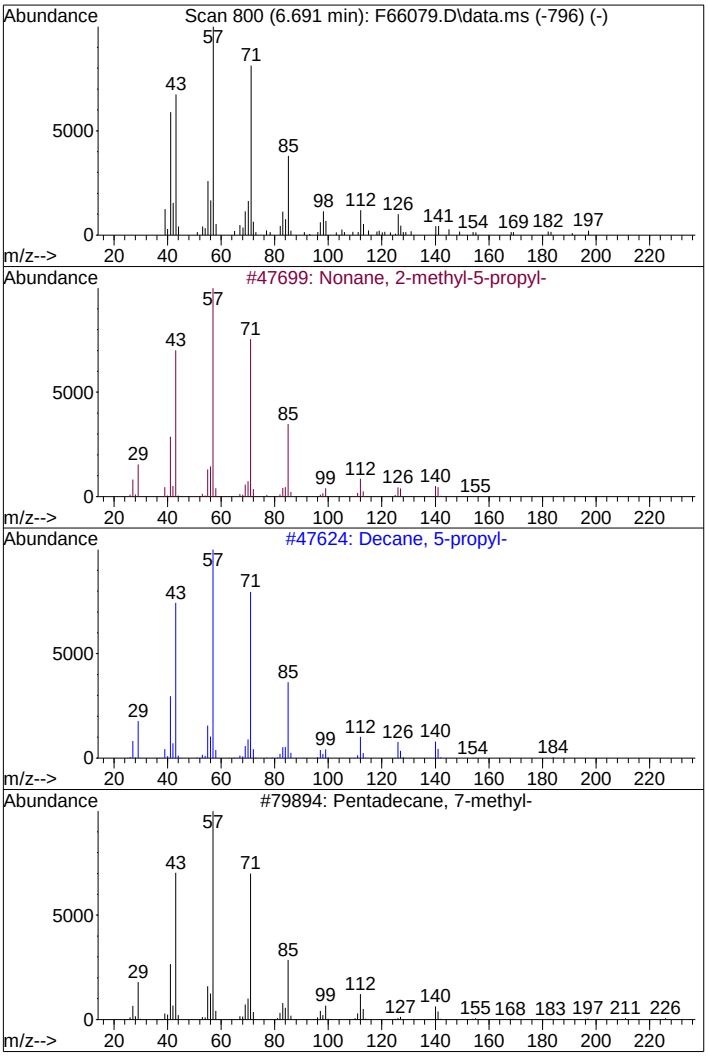
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

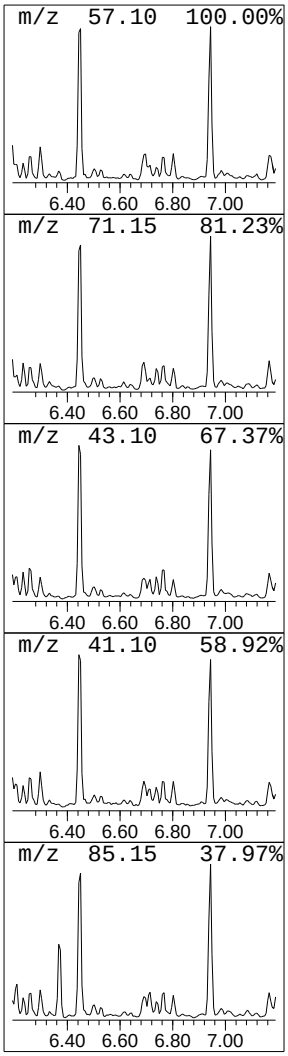
****

Peak Number 7 Nonane, 2-methyl-5-propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.691	8.03 ppm	143333	Acenaphthene-d10	7.002

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	86
2	Decane, 5-propyl-	184	C13H28	017312-62-8	86
3	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	80
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59
5	Sulfurous acid, decyl pentyl ester	292	C15H32O3S	1000309-14-3	53





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On : 9 Aug 2013 5:04 pm
Operator : KRISTINR
Sample : MC23228-2
Misc : OP34292,MSF3058,20.46,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

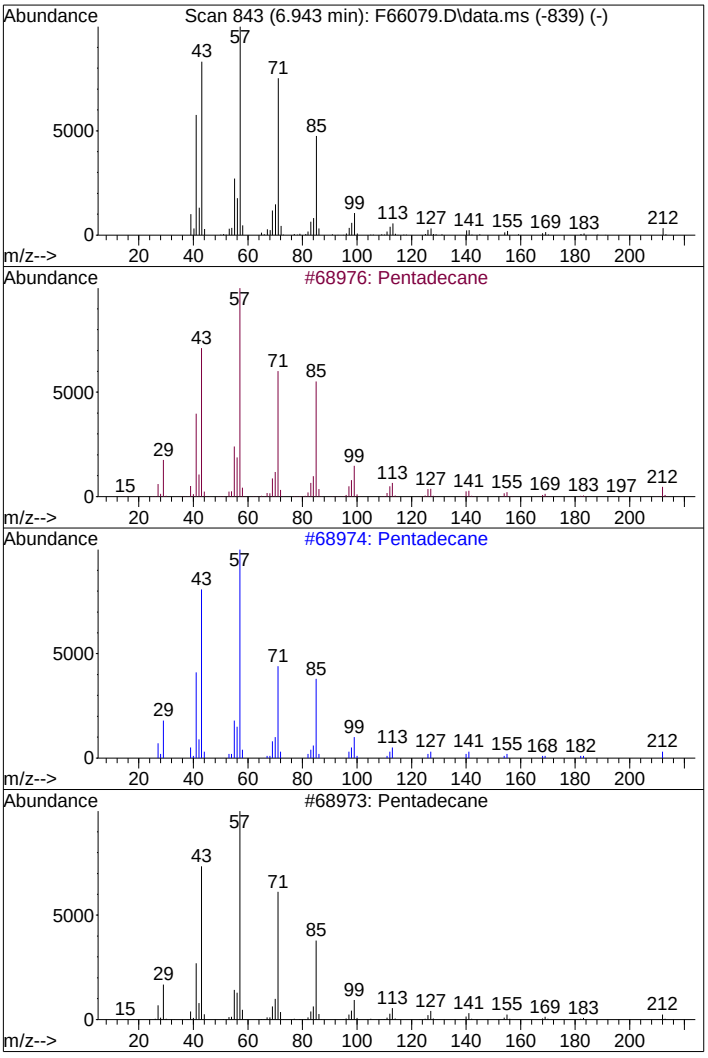
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

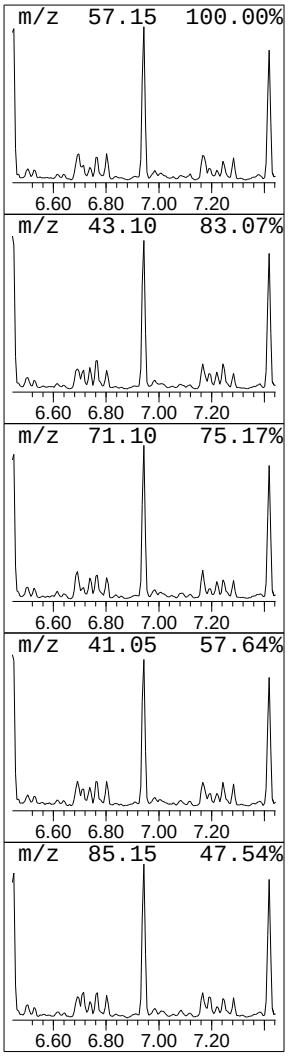
****

Peak Number 8 Pentadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.943	18.15 ppm	323953	Acenaphthene-d10	7.002

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	97
2	Pentadecane	212	C15H32	000629-62-9	95
3	Pentadecane	212	C15H32	000629-62-9	94
4	Hexadecane	226	C16H34	000544-76-3	91
5	Tetradecane	198	C14H30	000629-59-4	91





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On : 9 Aug 2013 5:04 pm
Operator : KRISTINR
Sample : MC23228-2
Misc : OP34292,MSF3058,20.46,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

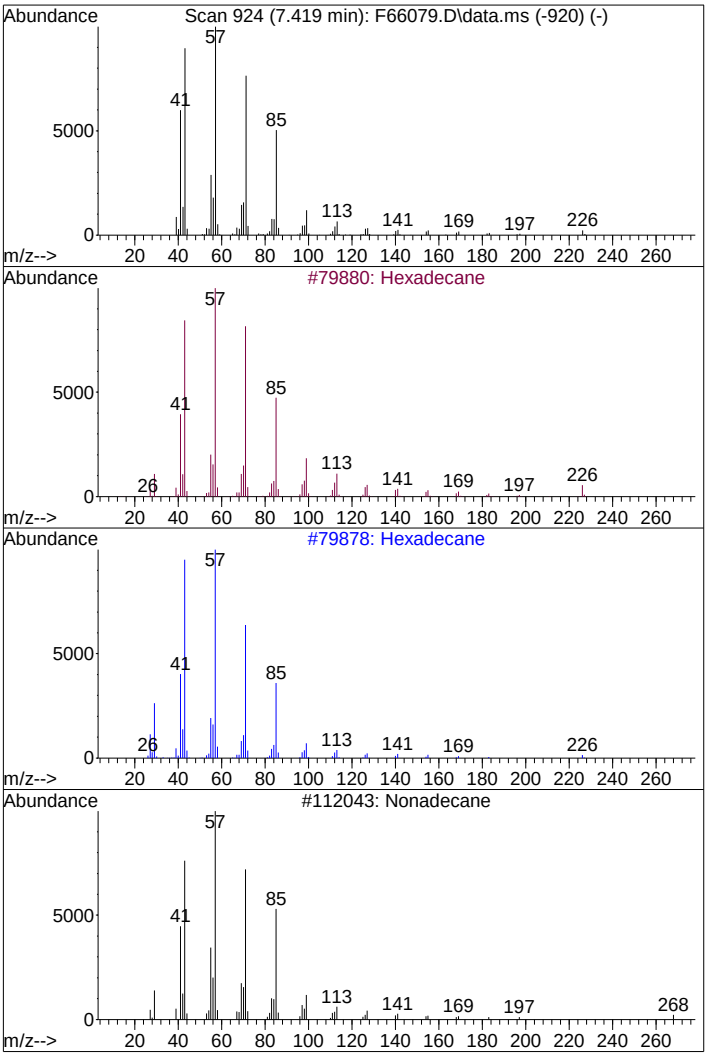
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

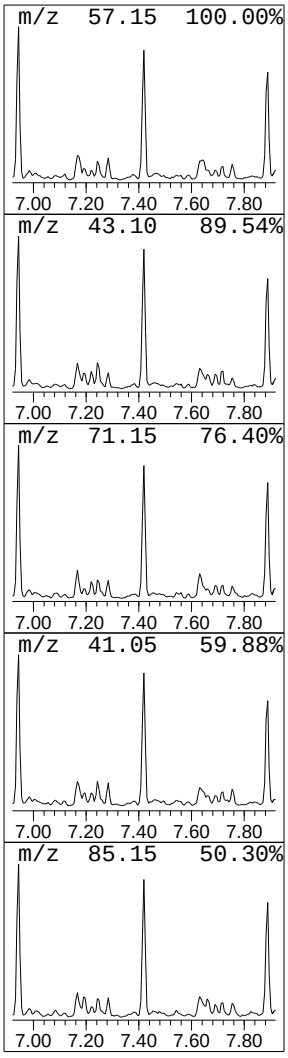
****

Peak Number 9 Hexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.419	16.86 ppm	300865	Acenaphthene-d10a	7.002

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	97
2	Hexadecane	226	C16H34	000544-76-3	96
3	Nonadecane	268	C19H40	000629-92-5	91
4	Hexadecane	226	C16H34	000544-76-3	90
5	10-Methylnonadecane	282	C20H42	056862-62-5	90





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On : 9 Aug 2013 5:04 pm
Operator : KRISTINR
Sample : MC23228-2
Misc : OP34292,MSF3058,20.46,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

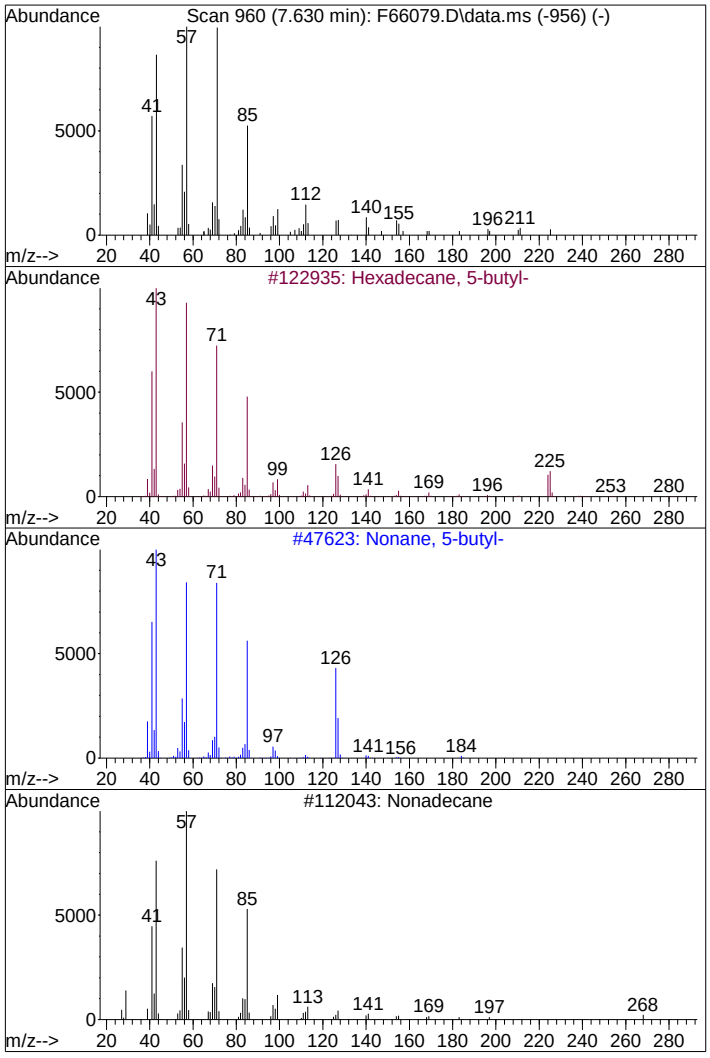
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

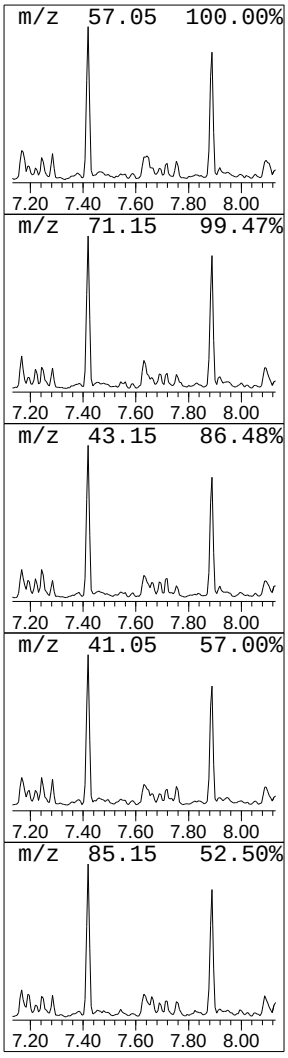
****

Peak Number 10 Hexadecane, 5-butyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.630	7.45 ppm	132903	Acenaphthene-d10a	7.002

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 5-butyl-	282	C20H42	006912-07-8	86
2	Nonane, 5-butyl-	184	C13H28	017312-63-9	80
3	Nonadecane	268	C19H40	000629-92-5	70
4	Heneicosane	296	C21H44	000629-94-7	62
5	Sulfurous acid, pentadecyl penty...	362	C20H42O3S	1000309-14-8	58





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On : 9 Aug 2013 5:04 pm
Operator : KRISTINR
Sample : MC23228-2
Misc : OP34292,MSF3058,20.46,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

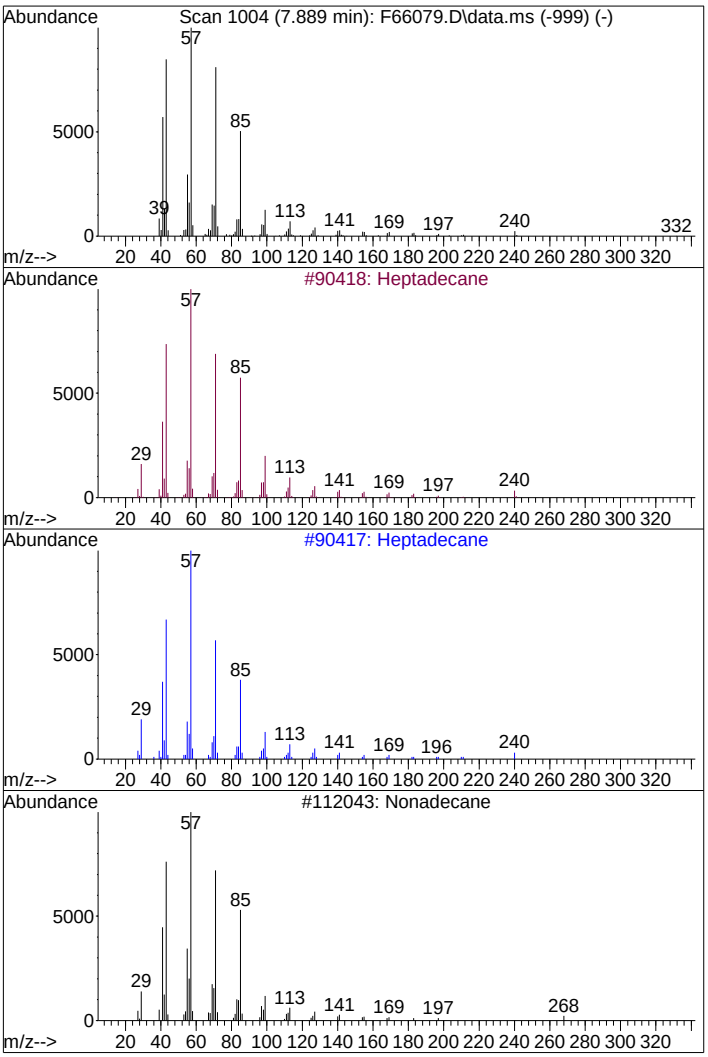
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

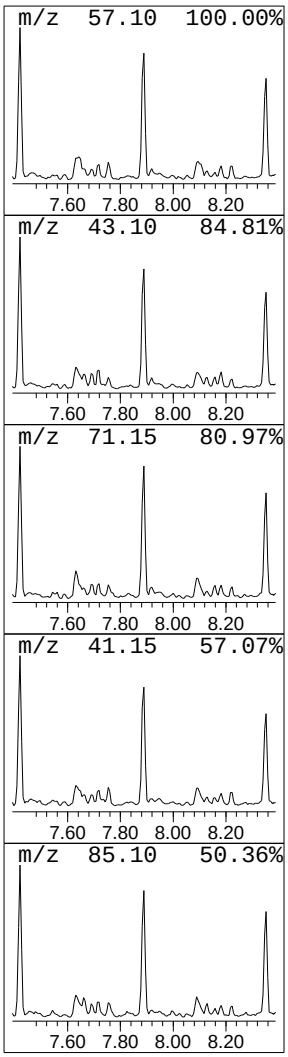
****

Peak Number 11 Heptadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.889	14.44 ppm	267920	Phenanthrene-d10	8.459

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	96
2	Heptadecane	240	C17H36	000629-78-7	92
3	Nonadecane	268	C19H40	000629-92-5	91
4	Hexadecane	226	C16H34	000544-76-3	91
5	Pentadecane	212	C15H32	000629-62-9	91





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On : 9 Aug 2013 5:04 pm
Operator : KRISTINR
Sample : MC23228-2
Misc : OP34292,MSF3058,20.46,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

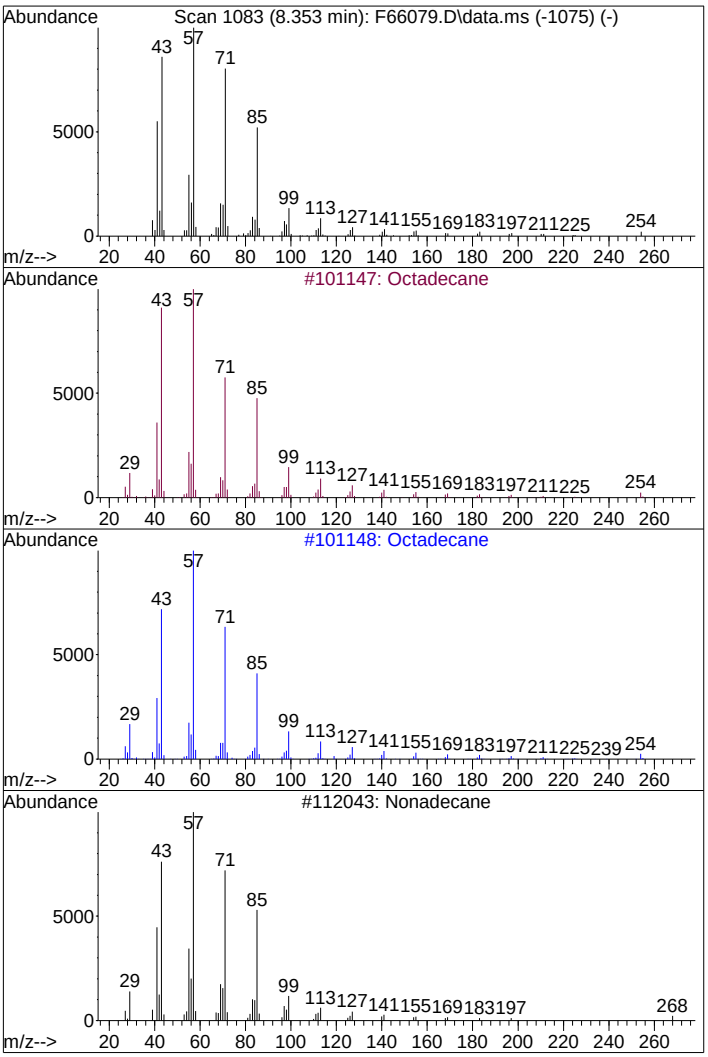
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

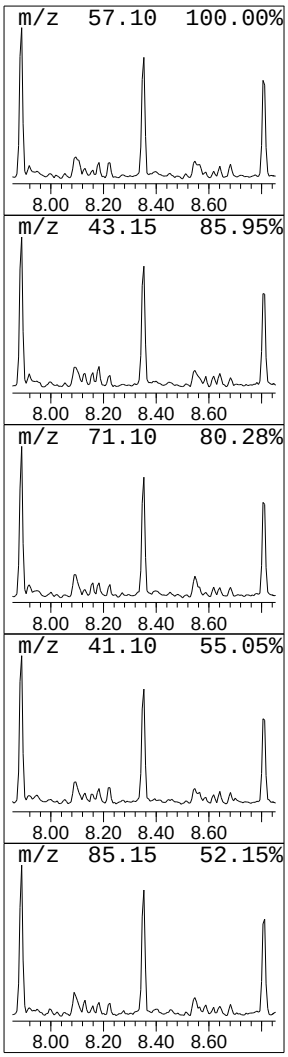
****

Peak Number 12 Octadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.353	12.61 ppm	233959	Phenanthrene-d10	8.459

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	93
2	Octadecane	254	C18H38	000593-45-3	93
3	Nonadecane	268	C19H40	000629-92-5	91
4	Pentadecane	212	C15H32	000629-62-9	91
5	Tetradecane	198	C14H30	000629-59-4	91





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On : 9 Aug 2013 5:04 pm
Operator : KRISTINR
Sample : MC23228-2
Misc : OP34292,MSF3058,20.46,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

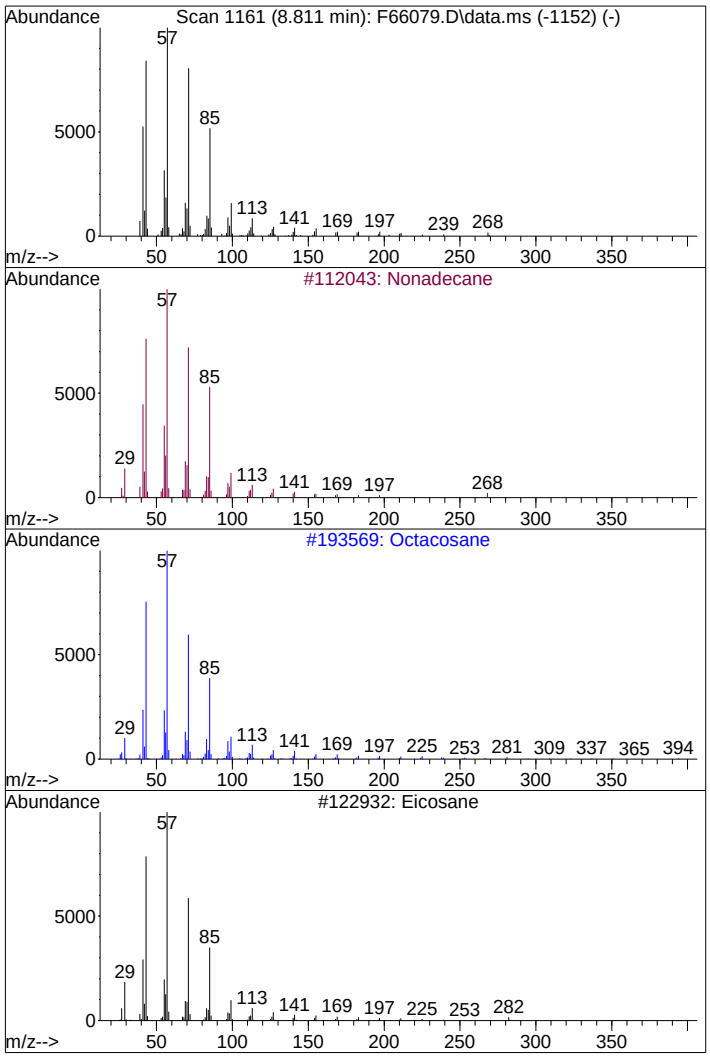
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

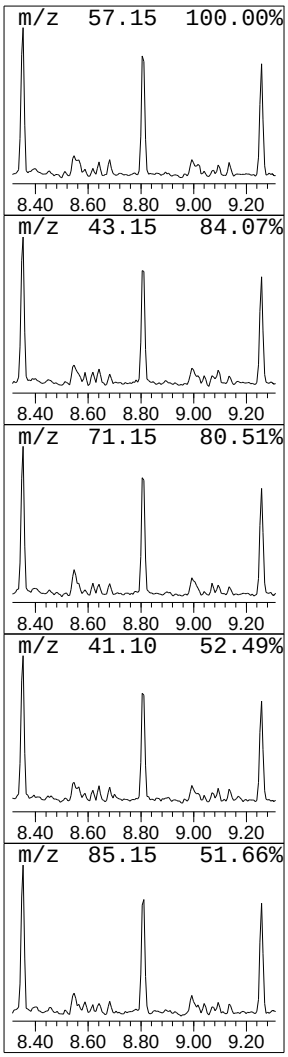
****

Peak Number 13 Nonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.811	11.11 ppm	206074	Phenanthrene-d10a	8.459

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	98
2	Octacosane	394	C28H58	000630-02-4	91
3	Eicosane	282	C20H42	000112-95-8	91
4	Pentadecane	212	C15H32	000629-62-9	91
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On : 9 Aug 2013 5:04 pm
Operator : KRISTINR
Sample : MC23228-2
Misc : OP34292,MSF3058,20.46,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

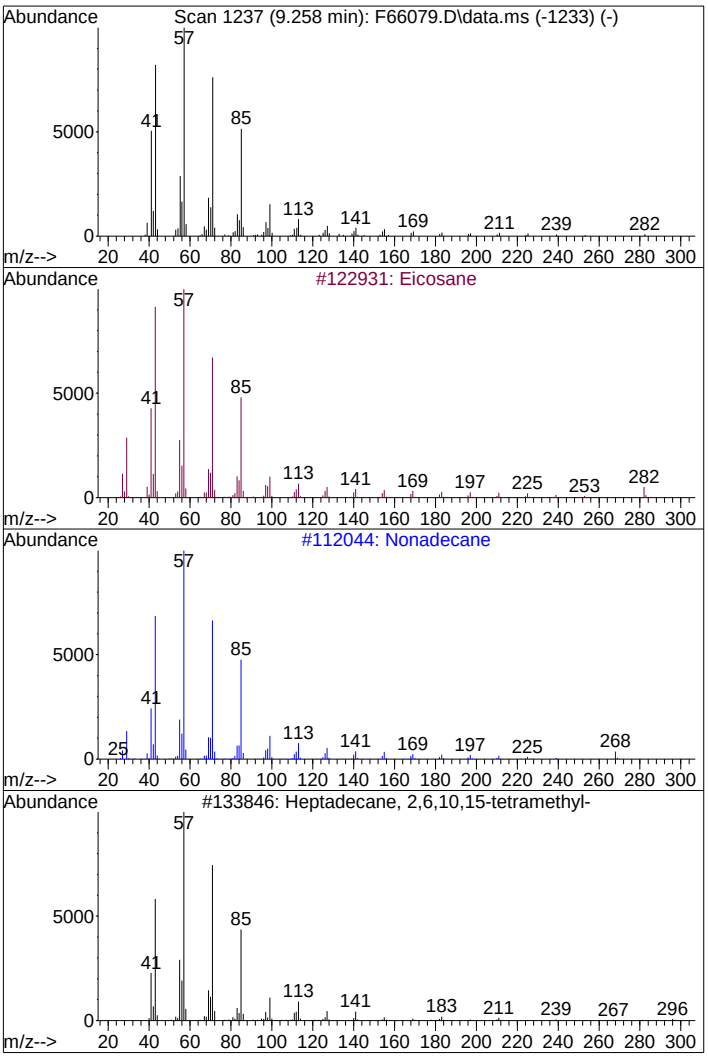
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

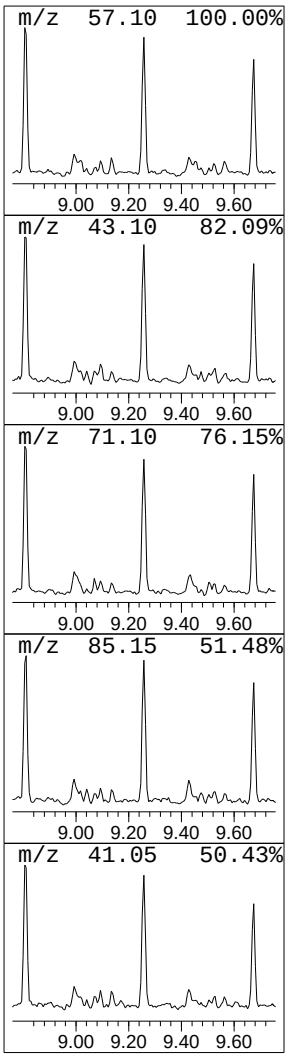
****

Peak Number 14 Eicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.258	9.62 ppm	178455	Phenanthrene-d10a	8.459

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Nonadecane	268	C19H40	000629-92-5	91
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
4	Heptadecane	240	C17H36	000629-78-7	91
5	Tetradecane	198	C14H30	000629-59-4	91





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On : 9 Aug 2013 5:04 pm
Operator : KRISTINR
Sample : MC23228-2
Misc : OP34292,MSF3058,20.46,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

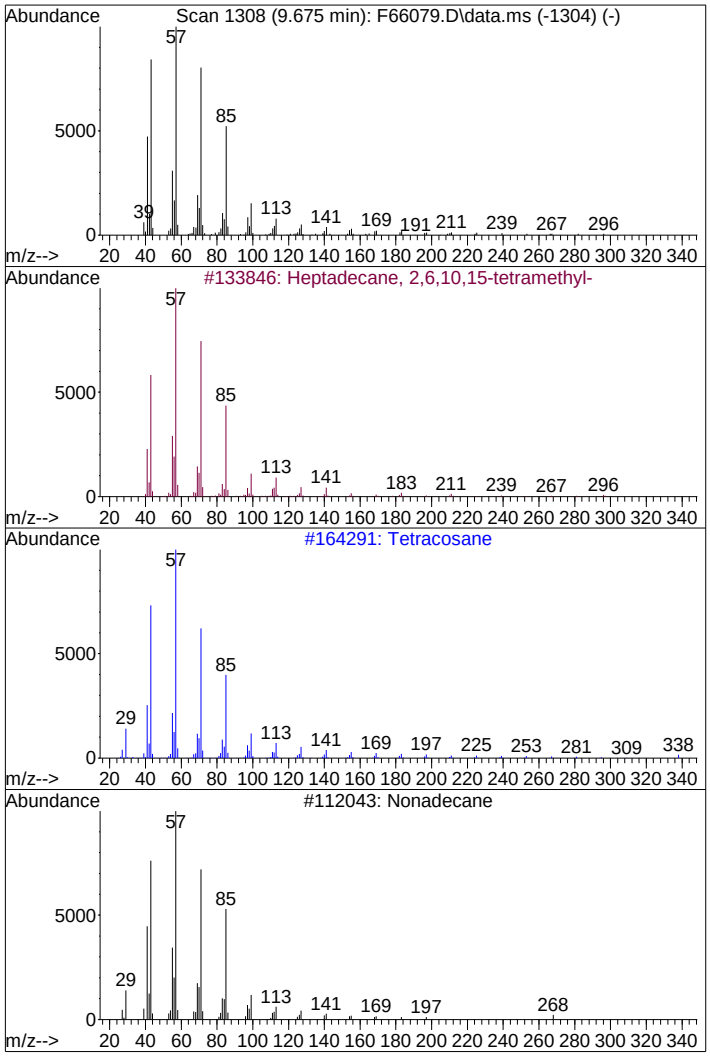
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

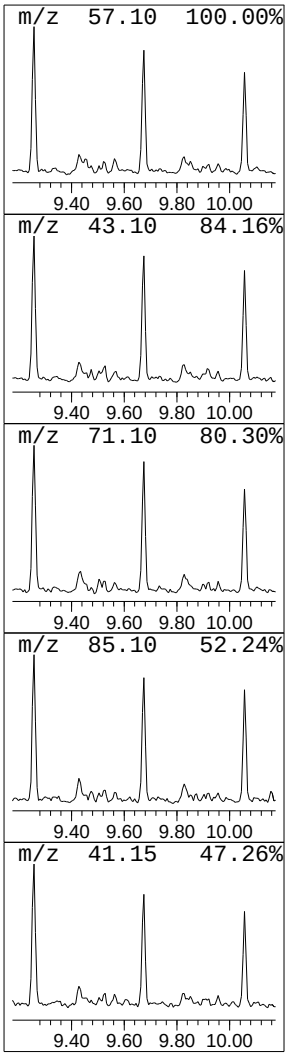
****

Peak Number 15 Heptadecane, 2,6,10,15-tetr... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.675	7.70 ppm	142798	Phenanthrene-d10a	8.459

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	96
2	Tetracosane	338	C24H50	000646-31-1	91
3	Nonadecane	268	C19H40	000629-92-5	91
4	Tetradecane	198	C14H30	000629-59-4	91
5	Octadecane	254	C18H38	000593-45-3	91





Tentatively Identified Compound (LSC) summary

Data Path : F:\1\DATA\F130809\
Data File : F66079.D
Acq On : 9 Aug 2013 5:04 pm
Operator : KRISTINR
Sample : MC23228-2
Misc : OP34292,MSF3058,20.46,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Nonane	3.407	8.9	ppm	113299	1	4.235	506727	40.0
Decane	4.106	19.3	ppm	244336	1	4.235	506727	40.0
Tridecane	5.921	17.0	ppm	408266	5	5.363	958627	40.0
Tetradecane	6.450	21.2	ppm	379016	6	7.002	713905	40.0
Nonane, 2-methy...	6.691	8.0	ppm	143333	6	7.002	713905	40.0
Pentadecane	6.943	18.1	ppm	323953	6	7.002	713905	40.0
Hexadecane	7.419	16.9	ppm	300865	7	7.002	713905	40.0
Hexadecane, 5-b...	7.630	7.5	ppm	132903	7	7.002	713905	40.0
Heptadecane	7.889	14.4	ppm	267920	8	8.459	742022	40.0
Octadecane	8.353	12.6	ppm	233959	8	8.459	742022	40.0
Nonadecane	8.811	11.1	ppm	206074	9	8.459	742022	40.0
Eicosane	9.258	9.6	ppm	178455	9	8.459	742022	40.0
Heptadecane, 2,...	9.675	7.7	ppm	142798	9	8.459	742022	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 08/19/13 15:31

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66080.D
Acq On : 9 Aug 2013 5:28 pm
Operator : KRISTINR
Sample : MC23228-3
Misc : OP34292,MSF3058,20.17,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 14 16:46:45 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.234	152	74633	40.00	ppm	0.01
21) 1,4-Dichlorobenzene-d4A	4.234	152	74633	40.00	PPM	0.01
23) Naphthalene-d8	5.362	136	274819	40.00	ppm	0.01
41) Naphthalene-d8a	5.362	136	274819	40.00	ppm	0.01
43) Acenaphthene-d10	7.000	164	168148	40.00	ppm	0.01
65) Acenaphthene-d10a	7.000	164	168148	40.00	ppm	0.01
67) Phenanthrene-d10	8.463	188	290047	40.00	ppm	0.01
80) Phenanthrene-d10a	8.463	188	290047	40.00	ppm	0.01
82) Chrysene-d12	11.259	240	319878	40.00	ppm	0.01
92) Perylene-d12	12.781	264	352616	40.00	ppm	0.01
100) Naphthalene-d8b	5.362	136	274819	40.00	ug/mL	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.247	112	75742	34.81	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 34.81%			
7) Phenol-d5	3.975	99	101426	36.63	ppm	0.03
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.63%			
24) Nitrobenzene-d5	4.733	82	100434	39.08	ppm	-0.01
Spiked Amount 50.000	Range 30 - 130		Recovery = 78.16%			
48) 2-Fluorobiphenyl	6.372	172	231937	40.99	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 81.98%			
71) 2,4,6-Tribromophenol	7.776	330	34221	36.81	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.81%			
85) Terphenyl-d14	10.161	244	316431	46.58	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 93.16%			
Target Compounds						Qvalue
33) Naphthalene	5.379	128	2429m	0.36	ppm	
75) Phenanthrene	8.487	178	5364m	0.72	ppm	
79) Fluoranthene	9.761	202	4503m	0.58	ppm	
84) Pyrene	9.985	202	7931	0.90	ppm	95
89) Benzo[a]anthracene	11.242	228	3633	0.44	ppm	68
90) Chrysene	11.283	228	5217	0.65	ppm	81
91) bis(2-Ethylhexyl)phtha...	11.377	149	15930	3.56	ppm	100

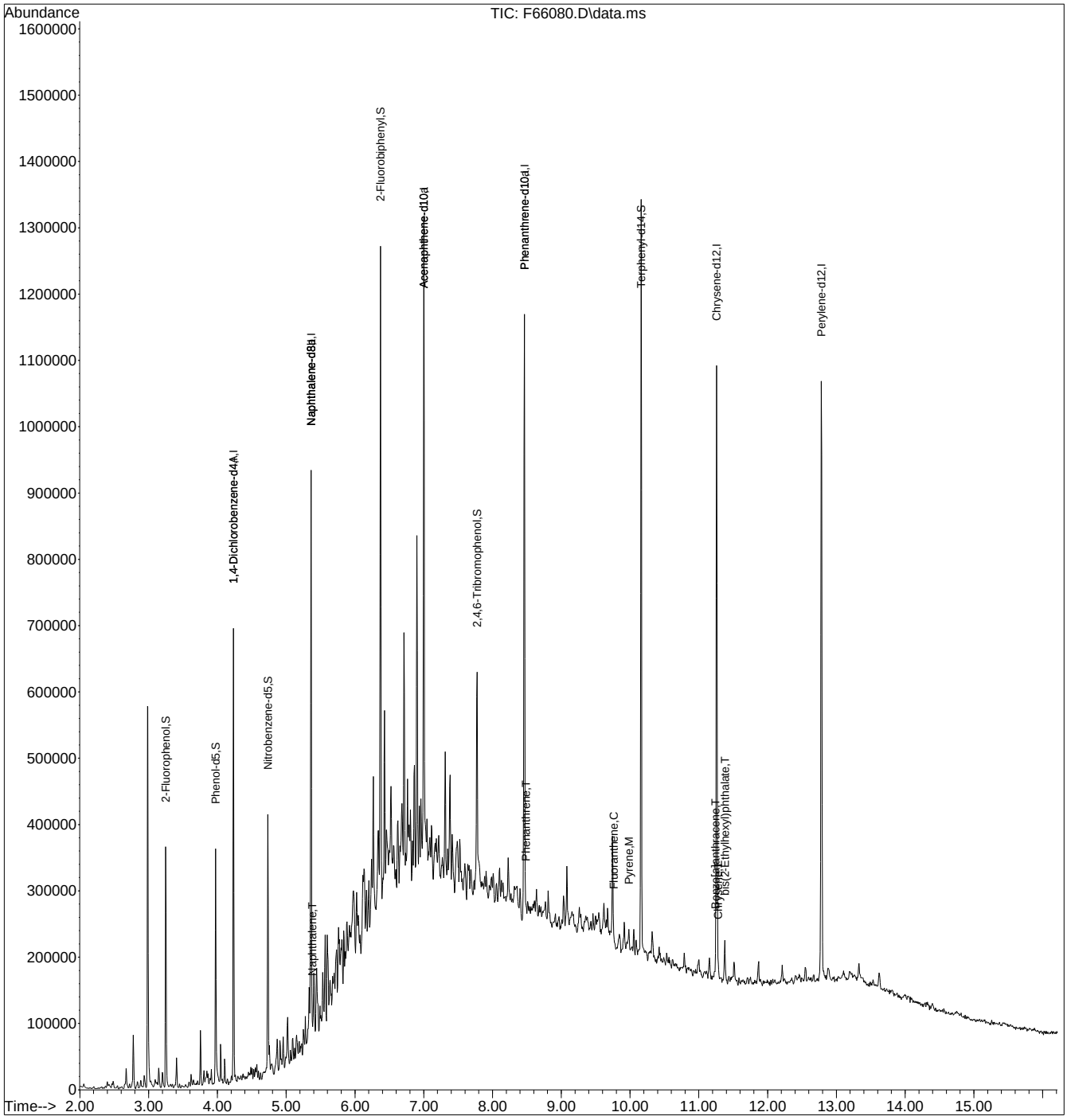
(#) = qualifier out of range (m) = manual integration (+) = signals summed

9.1.5 9

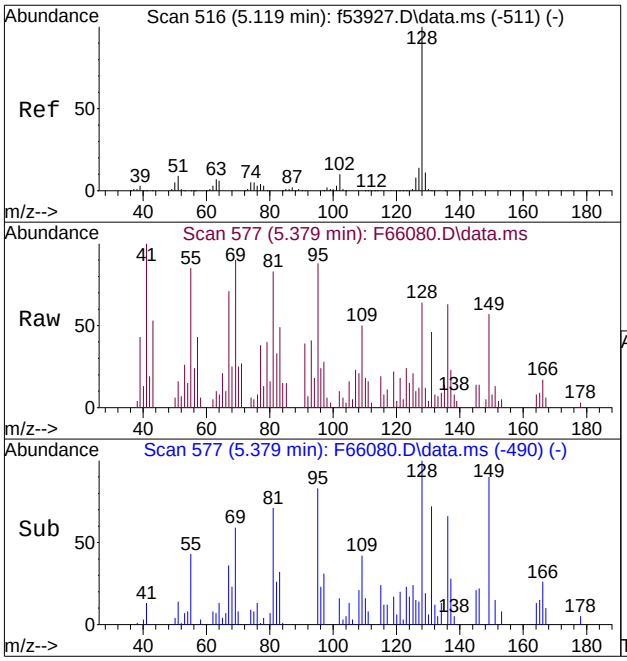
Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66080.D
Acq On : 9 Aug 2013 5:28 pm
Operator : KRISTINR
Sample : MC23228-3
Misc : OP34292,MSF3058,20.17,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 14 16:46:45 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



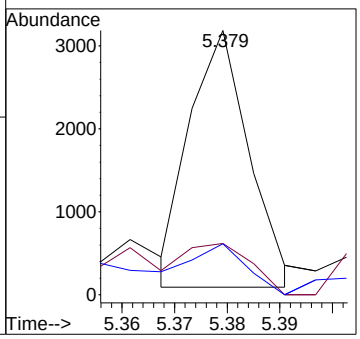
F130701_8270+.m Wed Aug 14 16:46:51 2013 Page: 2

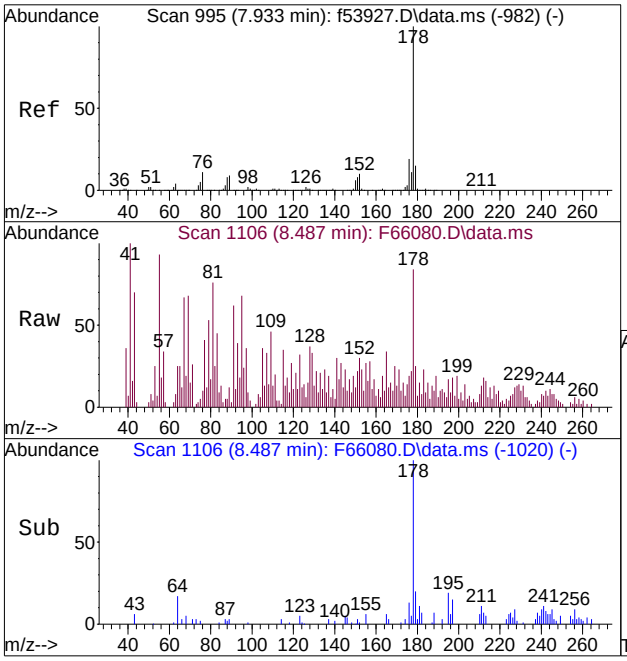


#33
Naphthalene
Concen: 0.36 ppm m
RT: 5.379 min Scan# 577
Delta R.T. 0.012 min
Lab File: F66080.D
Acq: 9 Aug 2013 5:28 pm

Tgt Ion:128 Resp: 2429

Ion	Ratio	Lower	Upper
128	100		
129	19.4	0.0	40.1
127	19.3	0.0	42.3

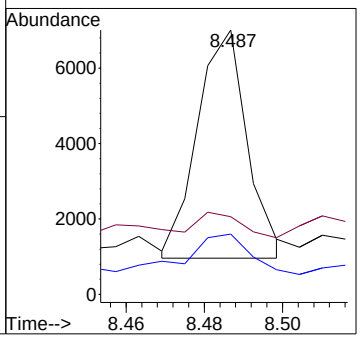


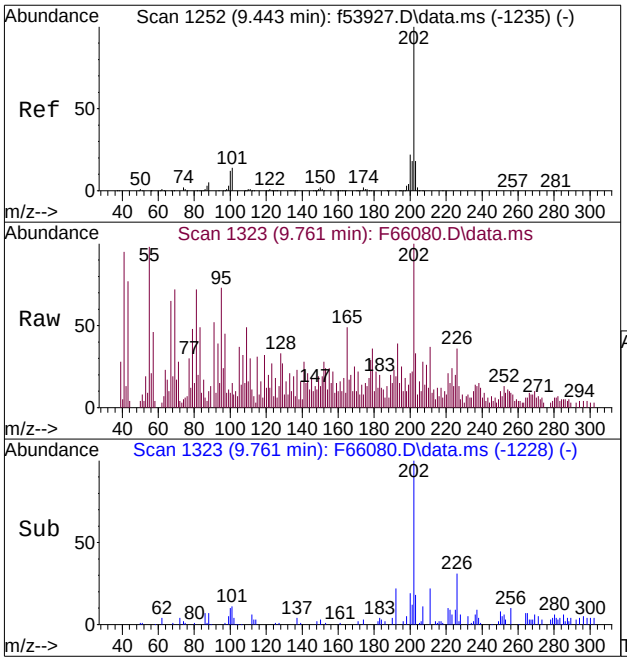


#75
Phenanthrene
Concen: 0.72 ppm m
RT: 8.487 min Scan# 1106
Delta R.T. 0.005 min
Lab File: F66080.D
Acq: 9 Aug 2013 5:28 pm

Tgt Ion:178 Resp: 5364

Ion	Ratio	Lower	Upper
178	100		
179	29.4	0.0	45.2
176	22.8	0.0	48.6

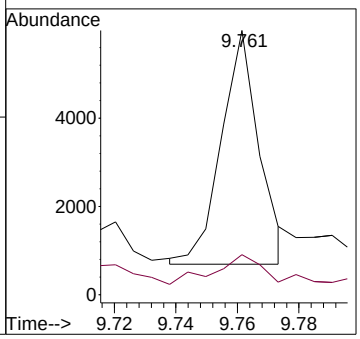


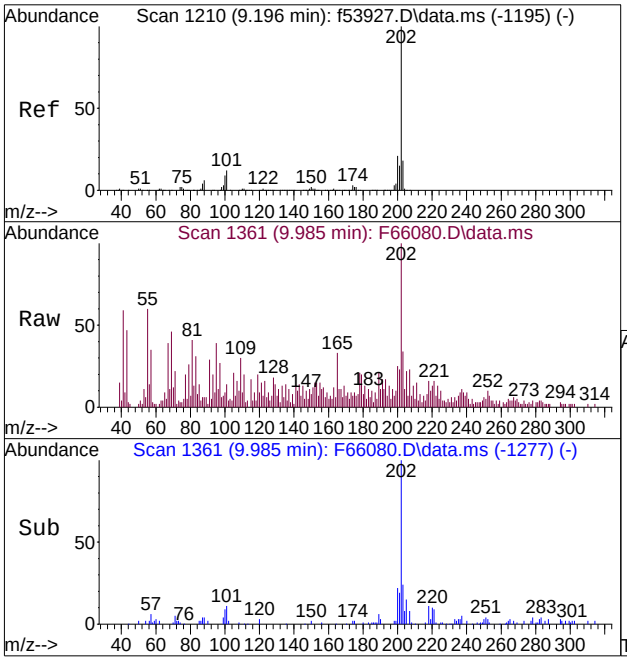


#79
Fluoranthene
Concen: 0.58 ppm m
RT: 9.761 min Scan# 1323
Delta R.T. 0.056 min
Lab File: F66080.D
Acq: 9 Aug 2013 5:28 pm

Tgt Ion:202 Resp: 4503

Ion	Ratio	Lower	Upper
202	100		
101	15.2	0.0	41.0

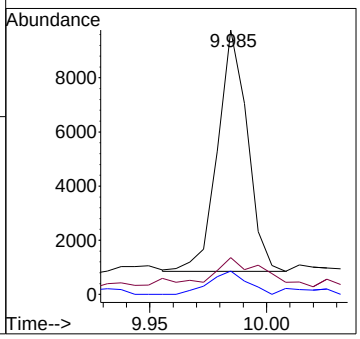


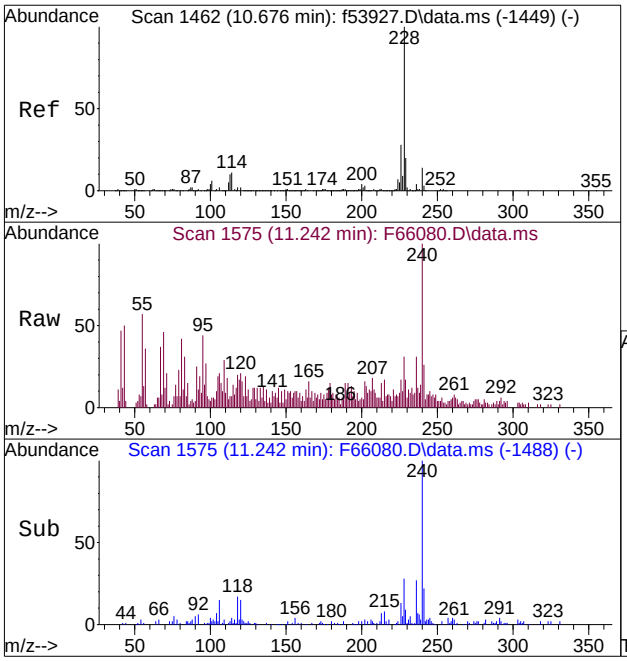


#84
Pyrene
Concen: 0.90 ppm
RT: 9.985 min Scan# 1361
Delta R.T. -0.004 min
Lab File: F66080.D
Acq: 9 Aug 2013 5:28 pm

Tgt Ion:202 Resp: 7931

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	43.1
100	9.7	0.0	40.6

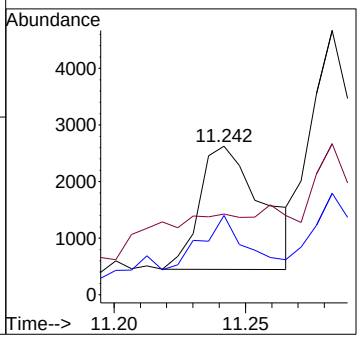


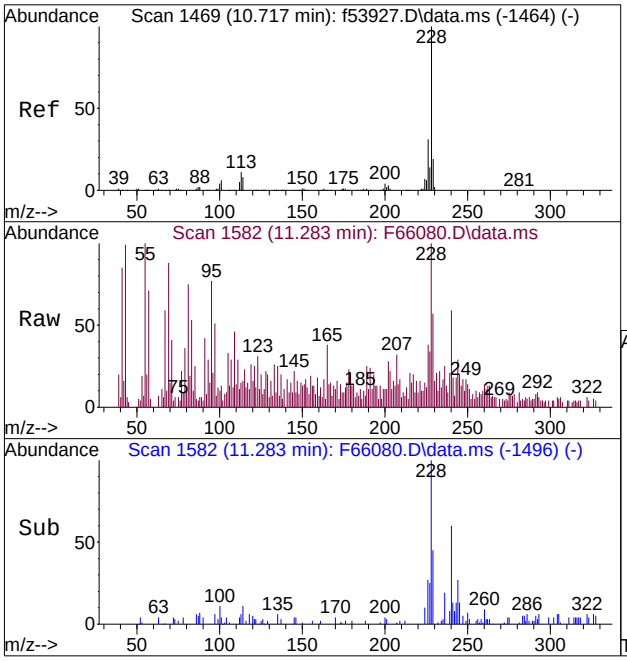


#89
Benzo[a]anthracene
Concen: 0.44 ppm
RT: 11.242 min Scan# 1575
Delta R.T. 0.010 min
Lab File: F66080.D
Acq: 9 Aug 2013 5:28 pm

Tgt Ion:228 Resp: 3633

Ion	Ratio	Lower	Upper
228	100		
229	6.4	0.0	49.1
226	44.2	0.0	56.0

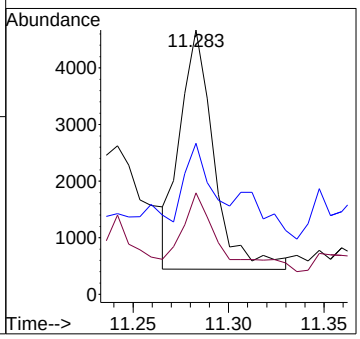


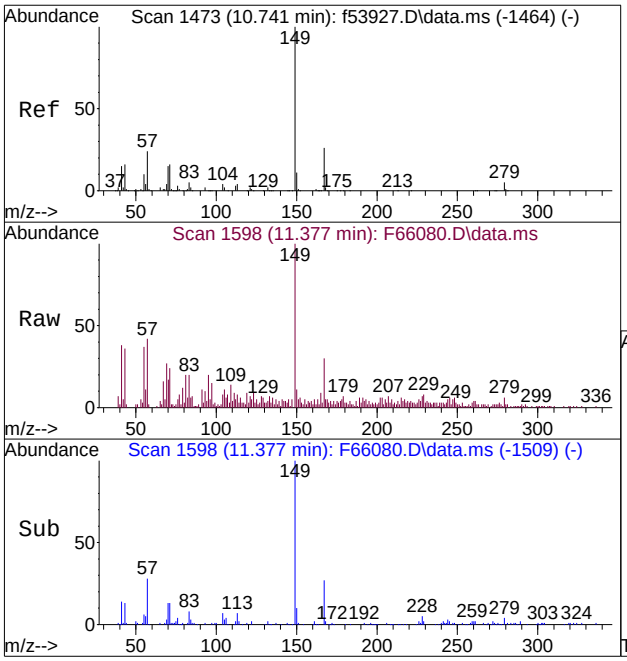


#90
Chrysene
Concen: 0.65 ppm
RT: 11.283 min Scan# 1582
Delta R.T. 0.005 min
Lab File: F66080.D
Acq: 9 Aug 2013 5:28 pm

Tgt Ion:228 Resp: 5217

Ion	Ratio	Lower	Upper
228	100		
226	30.8	0.0	59.0
229	38.2	0.0	48.7

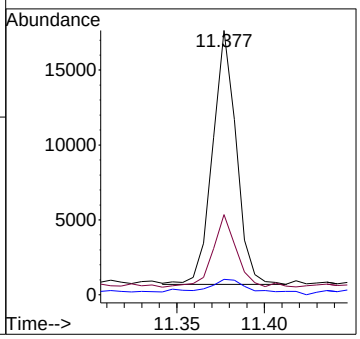




#91
bis(2-Ethylhexyl)phthalate
Concen: 3.56 ppm
RT: 11.377 min Scan# 1598
Delta R.T. 0.024 min
Lab File: F66080.D
Acq: 9 Aug 2013 5:28 pm

Tgt Ion:149 Resp: 15930

Ion	Ratio	Lower	Upper
149	100		
167	28.5	0.0	58.7
279	4.9	0.0	35.2



LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66080.D
Acq On : 9 Aug 2013 5:28 pm
Operator : KRISTINR
Sample : MC23228-3
Misc : OP34292,MSF3058,20.17,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

Signal : TIC: F66080.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.483	79	84	90	rVB4	10294	15260	1.53%	0.090%
2	2.671	110	116	123	rBV2	30459	38931	3.91%	0.230%
3	2.777	128	134	140	rVB2	81168	75772	7.60%	0.447%
4	2.836	140	144	148	rBV2	10795	14860	1.49%	0.088%
5	2.883	148	152	158	rBV4	11258	13194	1.32%	0.078%
6	2.935	158	161	166	rVB	18547	19972	2.00%	0.118%
7	2.982	166	169	183	rBV	575523	573054	57.49%	3.382%
8	3.094	183	188	191	rBV4	11597	14830	1.49%	0.088%
9	3.147	194	197	202	rVB2	29501	28804	2.89%	0.170%
10	3.200	202	206	211	rBV2	23258	26037	2.61%	0.154%
11	3.247	211	214	222	rBV	363020	293435	29.44%	1.732%
12	3.405	234	241	246	rBV	45048	41468	4.16%	0.245%
13	3.617	275	277	281	rBV	17929	15305	1.54%	0.090%
14	3.752	297	300	304	rVB	83081	62986	6.32%	0.372%
15	3.805	304	309	311	rBV	22634	21173	2.12%	0.125%
16	3.846	311	316	321	rVB4	19889	33485	3.36%	0.198%
17	3.911	321	327	331	rVB2	23061	24428	2.45%	0.144%
18	3.975	331	338	347	rBV	355252	323826	32.49%	1.911%
19	4.046	347	350	356	rVB	59156	49852	5.00%	0.294%
20	4.104	356	360	365	rVB2	37864	33007	3.31%	0.195%
21	4.234	374	382	391	rBV	685159	524685	52.64%	3.097%
22	4.375	403	406	411	rBV7	9232	14183	1.42%	0.084%
23	4.451	415	419	423	rBV5	9963	16185	1.62%	0.096%
24	4.551	434	436	438	rBV2	14010	12784	1.28%	0.075%
25	4.574	438	440	442	rVB	20110	14273	1.43%	0.084%
26	4.680	452	458	460	rBV7	12480	27021	2.71%	0.159%
27	4.733	460	467	474	rBV	389938	346146	34.73%	2.043%
28	4.792	474	477	482	rVB6	16092	25716	2.58%	0.152%
29	4.868	482	490	493	rBV2	53465	81236	8.15%	0.479%
30	4.909	493	497	502	rBV3	46044	61079	6.13%	0.360%
31	4.956	502	505	508	rVB	47021	40974	4.11%	0.242%
32	5.021	508	516	520	rBV3	76582	110157	11.05%	0.650%
33	5.062	520	523	525	rBV4	20948	15717	1.58%	0.093%
34	5.097	525	529	531	rBV3	34547	36214	3.63%	0.214%
35	5.150	535	538	542	rBV6	35346	49345	4.95%	0.291%
36	5.191	542	545	547	rBV2	18715	15112	1.52%	0.089%
37	5.226	547	551	553	rVB3	17369	19977	2.00%	0.118%
38	5.250	553	555	558	rBV4	39070	45498	4.56%	0.269%
39	5.279	558	560	563	rBV2	42624	28006	2.81%	0.165%
40	5.362	563	574	578	rBV	864389	820018	82.27%	4.840%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66080.D
Acq On : 9 Aug 2013 5:28 pm
Operator : KRISTINR
Sample : MC23228-3
Misc : OP34292,MSF3058,20.17,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

41	5.403	578	581	584	rVB2	88266	91177	9.15%	0.538%
42	5.444	584	588	593	rBV5	95622	131622	13.21%	0.777%
43	5.491	593	596	600	rBV3	38378	50192	5.04%	0.296%
44	5.532	600	603	606	rBV	74118	68549	6.88%	0.405%
45	5.567	606	609	612	rVB2	130209	108638	10.90%	0.641%
46	5.597	612	614	618	rBV2	130320	165434	16.60%	0.976%
47	5.638	619	621	625	rVB4	38079	45440	4.56%	0.268%
48	5.696	625	631	633	rBV5	48897	93033	9.33%	0.549%
49	5.732	633	637	639	rVB4	65028	82837	8.31%	0.489%
50	5.761	639	642	646	rBV2	98746	147921	14.84%	0.873%
51	5.808	646	650	653	rVB6	66762	107036	10.74%	0.632%
52	5.837	653	655	658	rBV3	80415	87305	8.76%	0.515%
53	5.884	660	663	666	rBV5	55743	64960	6.52%	0.383%
54	5.920	666	669	673	rBV5	38481	61034	6.12%	0.360%
55	5.978	675	679	684	rVB5	94077	184994	18.56%	1.092%
56	6.025	684	687	697	rVB8	93153	189101	18.97%	1.116%
57	6.131	698	705	708	rBV8	125657	289002	29.00%	1.706%
58	6.166	709	711	714	rVB2	52957	38894	3.90%	0.230%
59	6.202	714	717	720	rBV5	67311	58505	5.87%	0.345%
60	6.243	720	724	726	rBV4	98275	128017	12.84%	0.756%
61	6.266	726	728	735	rVB4	201311	186883	18.75%	1.103%
62	6.343	735	741	743	rBV5	119780	193112	19.38%	1.140%
63	6.372	743	746	750	rVB	984546	738757	74.12%	4.360%
64	6.431	750	756	759	rBV	284391	302599	30.36%	1.786%
65	6.460	759	761	766	rVB6	52550	71247	7.15%	0.421%
66	6.525	769	772	777	rVB5	116282	117512	11.79%	0.694%
67	6.625	786	789	792	rBV5	101357	119247	11.96%	0.704%
68	6.683	792	799	802	rVV7	122980	241465	24.23%	1.425%
69	6.713	802	804	810	rVV	374005	351472	35.26%	2.074%
70	6.766	810	813	823	rVB7	153996	330981	33.21%	1.953%
71	6.865	823	830	832	rBV4	174701	232850	23.36%	1.374%
72	6.901	832	836	840	rVV	501624	445787	44.73%	2.631%
73	6.936	840	842	844	rVV2	88865	70514	7.07%	0.416%
74	6.959	844	846	849	rVV2	96335	100475	10.08%	0.593%
75	7.000	849	853	866	rVB	965327	910853	91.39%	5.376%
76	7.183	877	884	887	rBV4	61874	144611	14.51%	0.854%
77	7.312	902	906	910	rBV	190276	176101	17.67%	1.039%
78	7.382	914	918	921	rVB3	157622	183169	18.38%	1.081%
79	7.412	921	923	929	rVB3	88792	121539	12.19%	0.717%
80	7.488	930	936	940	rBV8	77060	176891	17.75%	1.044%
81	7.523	940	942	951	rVB2	77080	103211	10.36%	0.609%
82	7.641	959	962	967	rBV6	53992	106522	10.69%	0.629%
83	7.776	980	985	1006	rVB	323844	408939	41.03%	2.414%
84	8.105	1037	1041	1043	rBV2	44847	50624	5.08%	0.299%
85	8.228	1059	1062	1075	rVB4	61990	59320	5.95%	0.350%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66080.D
Acq On : 9 Aug 2013 5:28 pm
Operator : KRISTINR
Sample : MC23228-3
Misc : OP34292,MSF3058,20.17,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

86	8.463	1097	1102	1129	rBV	911325	967990	97.12%	5.713%
87	8.810	1159	1161	1196	rVV	49842	75734	7.60%	0.447%
88	9.033	1197	1199	1203	rVV4	48695	56123	5.63%	0.331%
89	9.080	1204	1207	1233	rVB5	98393	231033	23.18%	1.364%
90	9.744	1317	1320	1333	rVB	164725	168136	16.87%	0.992%
91	10.055	1371	1373	1376	rVB4	39080	33891	3.40%	0.200%
92	10.161	1386	1391	1408	rVB	1144984	992682	99.60%	5.859%
93	10.320	1416	1418	1434	rVB3	40692	47312	4.75%	0.279%
94	11.154	1557	1560	1571	rVB	29048	30792	3.09%	0.182%
95	11.259	1574	1578	1594	rVB	927085	904927	90.79%	5.341%
96	11.377	1594	1598	1605	rVB	66364	83347	8.36%	0.492%
97	11.512	1619	1621	1631	rVB4	35403	55866	5.61%	0.330%
98	12.546	1795	1797	1816	rVB3	19620	27945	2.80%	0.165%
99	12.781	1831	1837	1850	rVB	901665	996707	100.00%	5.883%
100	13.327	1928	1930	1977	rVB	33566	108314	10.87%	0.639%

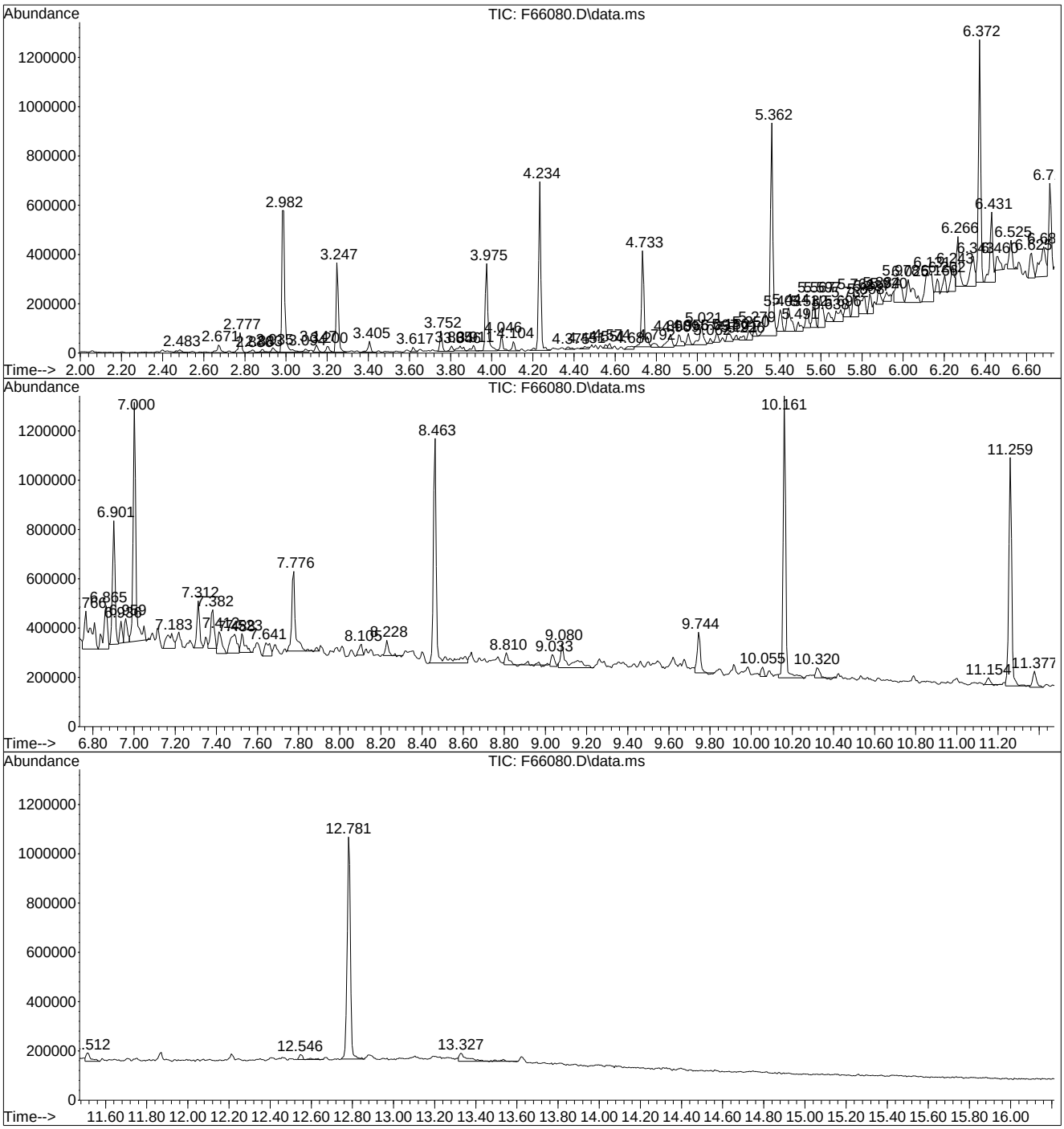
Sum of corrected areas: 16943176

LSC Report - Integrated Chromatogram

Data Path : F:\1\DATA\F130809\
Data File : F66080.D
Acq On : 9 Aug 2013 5:28 pm
Operator : KRISTINR
Sample : MC23228-3
Misc : OP34292,MSF3058,20.17,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66080.D
Acq On : 9 Aug 2013 5:28 pm
Operator : KRISTINR
Sample : MC23228-3
Misc : OP34292,MSF3058,20.17,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

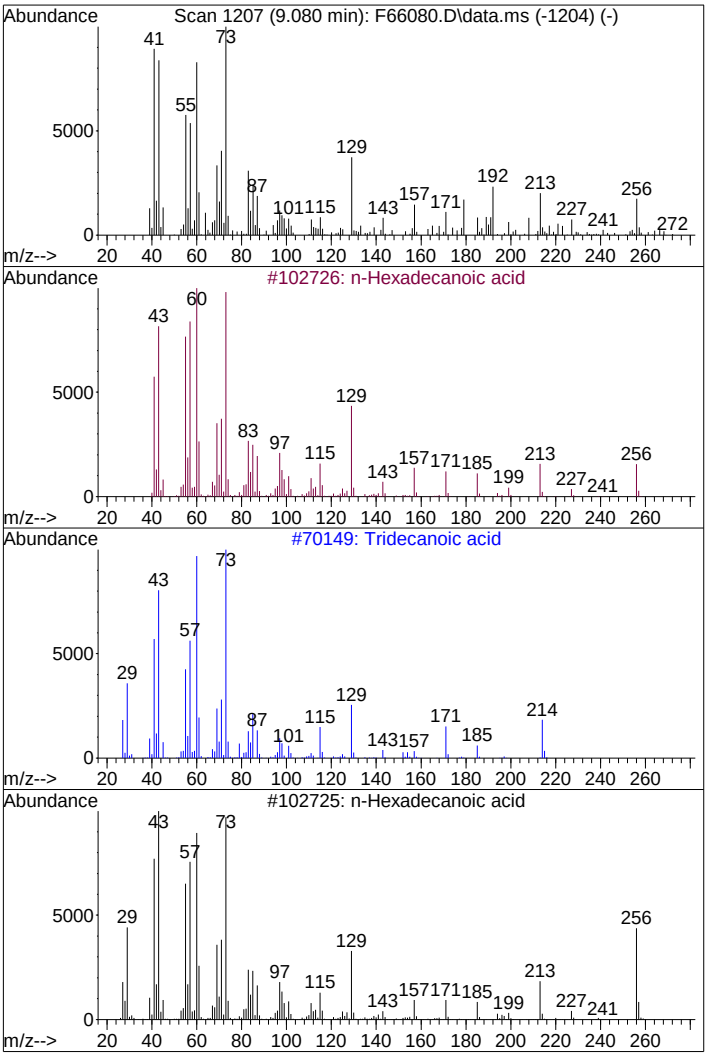
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

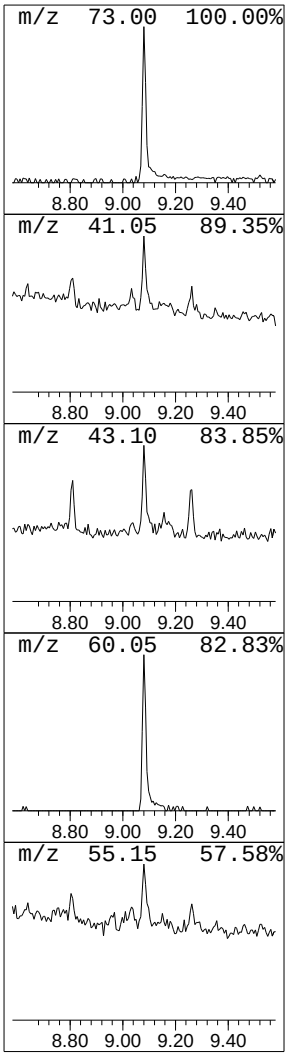
****

Peak Number 15 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.080	9.55 ppm	231033	Phenanthrene-d10a	8.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Tridecanoic acid	214	C13H26O2	000638-53-9	90
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
4	Tridecanoic acid	214	C13H26O2	000638-53-9	83
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	70





Tentatively Identified Compound (LSC) summary

Data Path : F:\1\DATA\F130809\
Data File : F66080.D
Acq On : 9 Aug 2013 5:28 pm
Operator : KRISTINR
Sample : MC23228-3
Misc : OP34292,MSF3058,20.17,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
n-Hexadecanoic ...	9.080	9.6	ppm	231033	9	8.463	967990	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 08/12/13 12:46

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 09 17:10:53 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

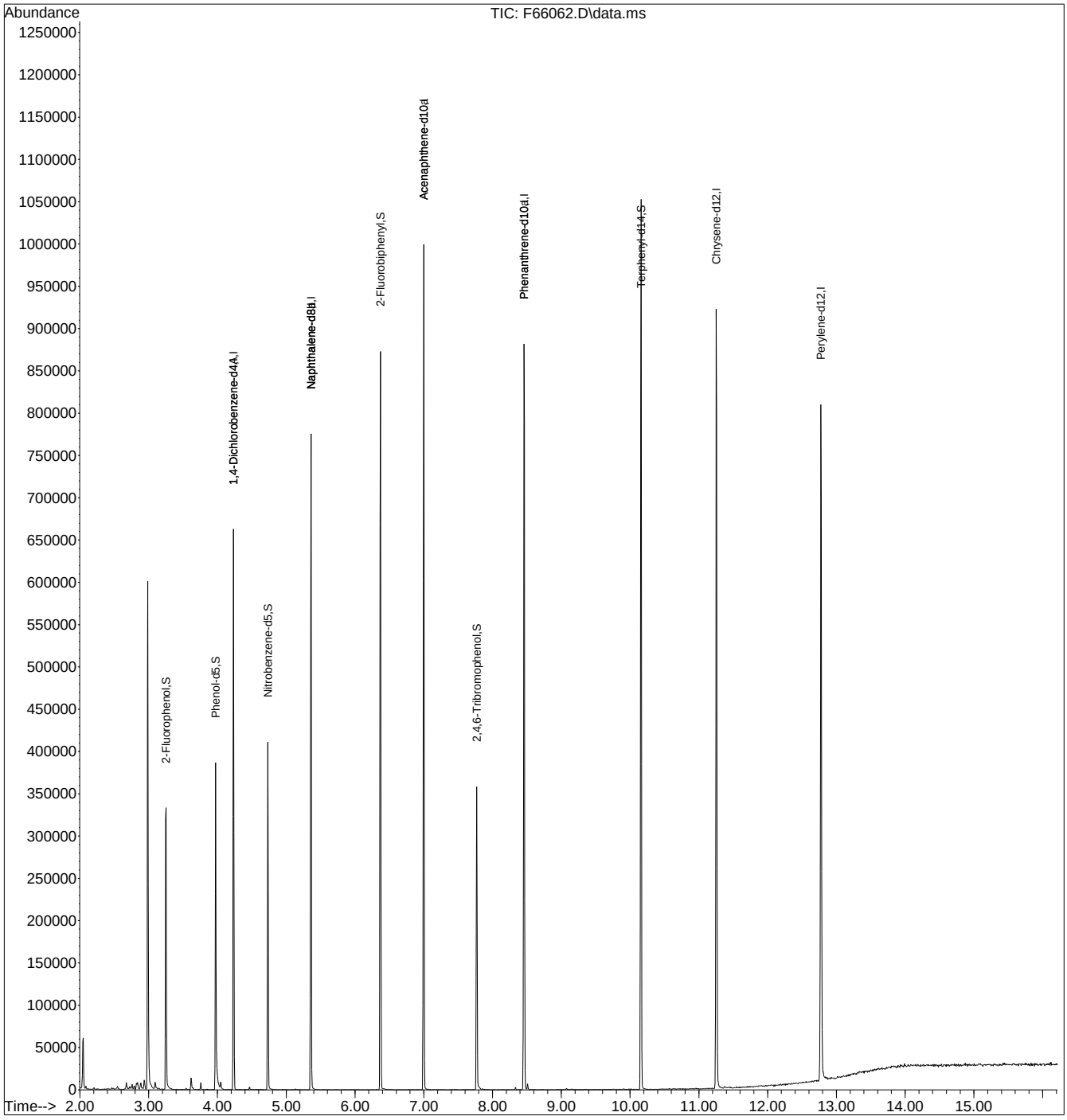
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.233	152	73053	40.00	ppm	-0.03
21) 1,4-Dichlorobenzene-d4A	4.233	152	73053	40.00	PPM	-0.03
23) Naphthalene-d8	5.361	136	275322	40.00	ppm	-0.03
41) Naphthalene-d8a	5.361	136	275322	40.00	ppm	-0.03
43) Acenaphthene-d10	7.000	164	175770	40.00	ppm	-0.03
65) Acenaphthene-d10a	7.000	164	175770	40.00	ppm	-0.03
67) Phenanthrene-d10	8.457	188	315300m	40.00	ppm	-0.04
80) Phenanthrene-d10a	8.457	188	315601	40.00	ppm	-0.04
82) Chrysene-d12	11.253	240	339931	40.00	ppm	-0.04
92) Perylene-d12	12.774	264	311151	40.00	ppm	-0.04
100) Naphthalene-d8b	5.361	136	275322	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.252	112	78373	36.80	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.80%			
7) Phenol-d5	3.974	99	104432	38.53	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 38.53%			
24) Nitrobenzene-d5	4.732	82	104132	40.44	ppm	-0.05
Spiked Amount 50.000	Range 30 - 130		Recovery = 80.88%			
48) 2-Fluorobiphenyl	6.371	172	230775	39.01	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 78.02%			
71) 2,4,6-Tribromophenol	7.769	330	34750	34.38	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 34.38%			
85) Terphenyl-d14	10.160	244	313031	43.36	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 86.72%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 09 17:10:53 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



F130701_8270+.m Fri Aug 09 17:10:59 2013 Page: 2

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

Signal : TIC: F66062.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.048	4	10	15	rVV	59950	58338	6.38%	0.718%
2	2.089	15	17	27	rVB2	3693	3900	0.43%	0.048%
3	2.206	30	37	42	rVB3	2128	2308	0.25%	0.028%
4	2.259	44	46	53	rVB	971	1479	0.16%	0.018%
5	2.330	53	58	61	rBV2	810	1279	0.14%	0.016%
6	2.394	67	69	78	rBV2	1007	2370	0.26%	0.029%
7	2.465	78	81	83	rVV2	1967	1861	0.20%	0.023%
8	2.488	83	85	88	rVB2	1518	1273	0.14%	0.016%
9	2.547	88	95	99	rBV	3724	4684	0.51%	0.058%
10	2.676	110	117	121	rBV4	8499	10394	1.14%	0.128%
11	2.723	121	125	128	rVV3	3680	5239	0.57%	0.064%
12	2.758	128	131	134	rVV	6459	6578	0.72%	0.081%
13	2.788	134	136	139	rVV	4576	4064	0.44%	0.050%
14	2.835	139	144	149	rVV2	8465	15277	1.67%	0.188%
15	2.888	149	153	157	rVV	7845	11311	1.24%	0.139%
16	2.935	157	161	166	rVV	11400	13137	1.44%	0.162%
17	2.987	166	170	185	rVV	601141	562246	61.45%	6.915%
18	3.093	185	188	195	rVV2	9216	12081	1.32%	0.149%
19	3.146	195	197	201	rVV2	2098	2493	0.27%	0.031%
20	3.199	201	206	210	rVV	990	2080	0.23%	0.026%
21	3.252	210	215	235	rVB	333650	306842	33.54%	3.774%
22	3.546	261	265	269	rVB	1627	1506	0.16%	0.019%
23	3.616	269	277	294	rVB3	13967	15216	1.66%	0.187%
24	3.757	298	301	310	rBV	8532	7359	0.80%	0.091%
25	3.974	334	338	348	rBV	386625	326303	35.66%	4.013%
26	4.045	348	350	360	rVB	8871	10494	1.15%	0.129%
27	4.162	367	370	375	rBV	725	1081	0.12%	0.013%
28	4.233	375	382	388	rVV	662828	484316	52.93%	5.957%
29	4.468	417	422	431	rBV2	3115	3371	0.37%	0.041%
30	4.732	463	467	481	rBV	411016	306505	33.50%	3.770%
31	5.126	530	534	541	rBB2	1084	1480	0.16%	0.018%
32	5.361	569	574	596	rBB	775618	606143	66.25%	7.455%
33	6.371	741	746	751	rBV	873077	686496	75.03%	8.443%
34	6.424	753	755	763	rVB	1347	2001	0.22%	0.025%
35	7.000	848	853	860	rBV	999498	749422	81.91%	9.217%
36	7.047	860	861	867	rVB	854	1181	0.13%	0.015%
37	7.769	979	984	997	rBV	358410	298389	32.61%	3.670%
38	8.333	1074	1080	1084	rBV	3087	2456	0.27%	0.030%
39	8.457	1096	1101	1107	rBV	881873	827920	90.49%	10.183%
40	8.509	1107	1110	1115	rVB	7106	6108	0.67%	0.075%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

41	9.073	1200	1206	1211	rBV	1718	1989	0.22%	0.024%
42	9.144	1215	1218	1224	rVB2	967	1515	0.17%	0.019%
43	9.673	1304	1308	1313	rVB2	742	1274	0.14%	0.016%
44	10.160	1385	1391	1399	rBV	1052599	890380	97.31%	10.951%
45	10.565	1459	1460	1465	rVB	956	1158	0.13%	0.014%
46	10.636	1465	1472	1475	rBV2	990	1888	0.21%	0.023%
47	10.959	1523	1527	1530	rVB2	956	1244	0.14%	0.015%
48	11.147	1558	1559	1565	rBV2	754	1169	0.13%	0.014%
49	11.253	1569	1577	1594	rBV	921719	914956	100.00%	11.253%
50	11.376	1594	1598	1602	rBV	2504	3495	0.38%	0.043%
51	11.453	1608	1611	1618	rVB5	1360	1753	0.19%	0.022%
52	11.546	1624	1627	1632	rBV3	1278	1367	0.15%	0.017%
53	11.711	1651	1655	1657	rBV3	1437	1364	0.15%	0.017%
54	11.811	1668	1672	1674	rBV3	1165	2122	0.23%	0.026%
55	11.846	1674	1678	1680	rVV2	956	1294	0.14%	0.016%
56	11.870	1680	1682	1685	rBV3	1261	1531	0.17%	0.019%
57	11.934	1691	1693	1696	rBV4	1130	1261	0.14%	0.016%
58	11.975	1696	1700	1704	rBV5	1431	2155	0.24%	0.027%
59	12.011	1704	1706	1709	rBV4	1193	1564	0.17%	0.019%
60	12.052	1711	1713	1719	rVB5	2054	3702	0.40%	0.046%
61	12.093	1719	1720	1722	rBV2	2024	1081	0.12%	0.013%
62	12.110	1722	1723	1726	rBV2	1790	1727	0.19%	0.021%
63	12.187	1733	1736	1738	rBV4	1839	1818	0.20%	0.022%
64	12.246	1742	1746	1748	rVB4	1908	2719	0.30%	0.033%
65	12.263	1748	1749	1751	rBV2	2095	1405	0.15%	0.017%
66	12.304	1753	1756	1761	rBV6	1836	3613	0.39%	0.044%
67	12.345	1761	1763	1766	rBV3	1696	1540	0.17%	0.019%
68	12.375	1766	1768	1772	rVV5	1109	1454	0.16%	0.018%
69	12.410	1773	1774	1779	rVB5	1141	1384	0.15%	0.017%
70	12.451	1779	1781	1783	rBV3	1372	1077	0.12%	0.013%
71	12.704	1818	1824	1825	rBV5	2133	3836	0.42%	0.047%
72	12.774	1830	1836	1855	rBV	800372	893041	97.60%	10.984%
73	13.015	1875	1877	1885	rBV7	2247	4570	0.50%	0.056%
74	13.990	2041	2043	2056	rBV7	3951	7134	0.78%	0.088%

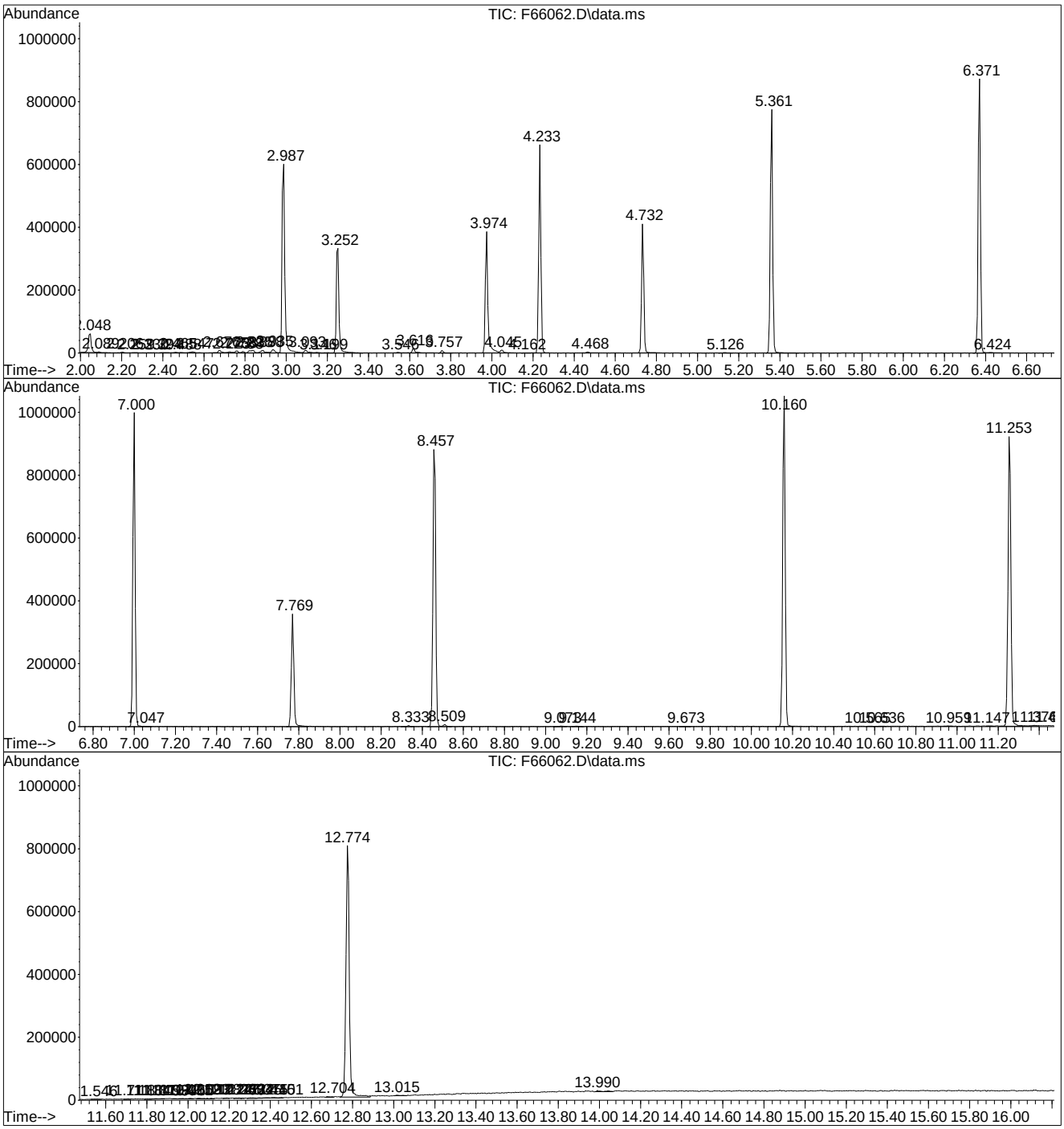
Sum of corrected areas: 8130561

LSC Report - Integrated Chromatogram

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

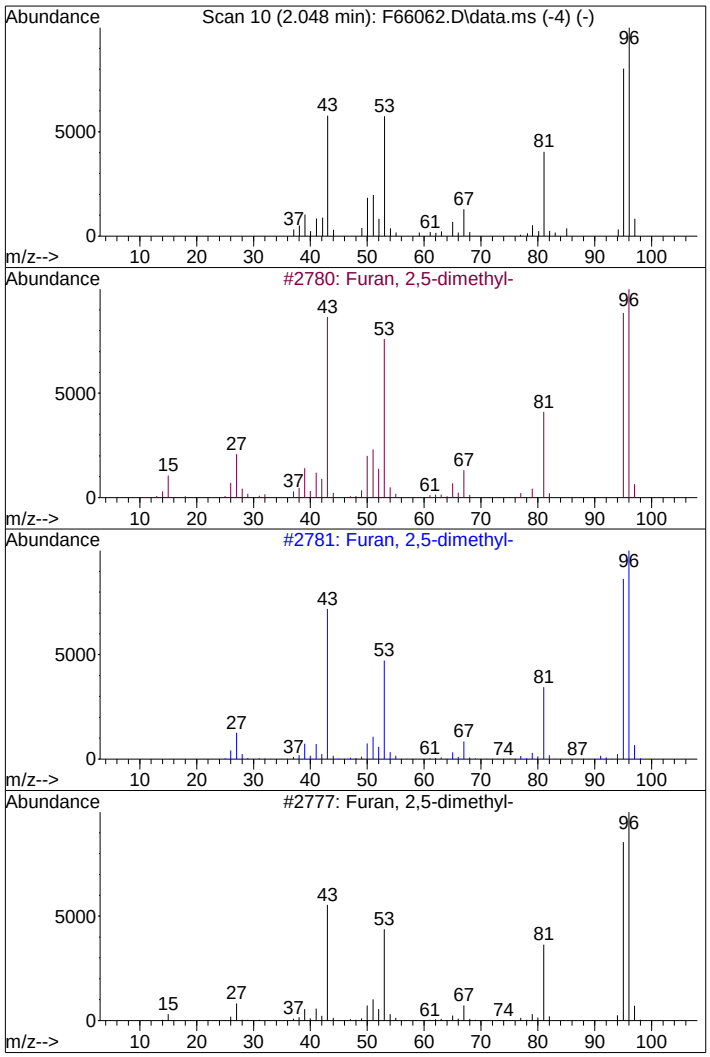
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

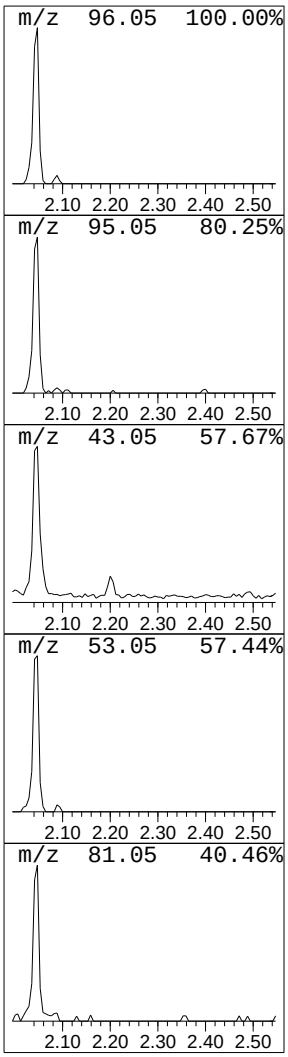
****

Peak Number 1 Furan, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.048	4.82 ppm	58338	1,4-Dichlorobenzene-d4A	4.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	91
2	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	91
3	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	90
4	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	72
5	Ethanone, 1-(methylenecyclopropyl)-	96	C6H8O	062266-35-7	45





Tentatively Identified Compound (LSC) summary

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Furan, 2,5-dime...	2.048	4.8	ppm	58338	1	4.233	484316	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/12/13 12:46

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66063.D
Acq On : 9 Aug 2013 10:44 am
Operator : KRISTINR
Sample : OP34292-BS
Misc : OP34292,MSF3058,20.93,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 17:12:15 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.232	152	75478	40.00	ppm	-0.03
21) 1,4-Dichlorobenzene-d4A	4.232	152	75478	40.00	PPM	-0.03
23) Naphthalene-d8	5.359	136	281250	40.00	ppm	-0.03
41) Naphthalene-d8a	5.359	136	281250	40.00	ppm	-0.03
43) Acenaphthene-d10	6.998	164	180285	40.00	ppm	-0.03
65) Acenaphthene-d10a	6.998	164	180285	40.00	ppm	-0.03
67) Phenanthrene-d10	8.461	188	328279m	40.00	ppm	-0.03
80) Phenanthrene-d10a	8.461	188	328651	40.00	ppm	-0.03
82) Chrysene-d12	11.257	240	355784	40.00	ppm	-0.04
92) Perylene-d12	12.779	264	317054	40.00	ppm	-0.04
100) Naphthalene-d8b	5.359	136	281250	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.251	112	83837	38.10	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 38.10%			
7) Phenol-d5	3.973	99	112368	40.12	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 40.12%			
24) Nitrobenzene-d5	4.737	82	110319	41.94	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 83.88%			
48) 2-Fluorobiphenyl	6.370	172	246326	40.60	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 81.20%			
71) 2,4,6-Tribromophenol	7.774	330	41003	38.97	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 38.97%			
85) Terphenyl-d14	10.159	244	343320	45.44	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 90.88%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.281	74	48400	32.97	ug/l #	76
3) Pyridine	2.287	79	68850	26.10	ppm	94
4) Aniline	3.991	93	122769	36.82	ppm #	1
6) bis(2-Chloroethyl)ether	4.032	63	62084	40.68	ppm	85
8) Phenol	3.985	94	134409	47.42	ppm	73
9) 2-Chlorophenol	4.091	128	92067	39.21	ppm	94
10) 1,3-Dichlorobenzene	4.202	146	96574	35.25	ppm	98
11) 1,4-Dichlorobenzene	4.249	146	101484	34.75	ppm	98
12) 1,2-Dichlorobenzene	4.408	146	96552	36.76	ppm	97
13) Benzyl alcohol	4.367	108	20589	13.53	ppm #	78
14) bis(2-chloroisopropyl)...	4.496	45	91765	48.48	ppm	70
15) o-cresol	4.490	108	101796	49.35	ppm	84
16) Acetophenone	4.602	105	295612	87.10	ppm	97
17) Hexachloroethane	4.672	117	39806	38.90	ppm	94
18) N-Nitroso-di-n-propyla...	4.619	70	77325	45.74	ppm	91
19) m+p-cresols	4.613	108	216807	95.57	ppm	91
20) 4-methylphenol	4.613	108	216807	95.57	ppm	91
22) Benzaldehyde	3.879	77	60490	32.87	ppm	91
25) Nitrobenzene	4.748	77	107405	40.46	ppm	85
26) Isophorone	4.954	82	183489	41.71	ppm	100
27) 2-Nitrophenol	5.036	139	52232	39.02	ppm	83
28) 2,4-Dimethylphenol	5.077	107	113580	45.25	ppm	91
29) bis(2-Chloroethoxy)met...	5.154	93	147446	56.40	ppm	99
30) Benzoic acid	5.136	105	6607	3.50	ppm #	56
31) 2,4-Dichlorophenol	5.254	162	93906	42.83	ppm	97
32) 1,2,4-Trichlorobenzene	5.324	180	96445	38.31	ppm	99
33) Naphthalene	5.377	128	275209	39.56	ppm	96
34) 2,6-Dichlorophenol	5.459	162	90467	41.40	ppm	98
35) 4-Chloroaniline	5.448	127	112179	37.37	ppm	100
36) Hexachlorobutadiene	5.542	225	65358	39.68	ppm	97

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66063.D
Acq On : 9 Aug 2013 10:44 am
Operator : KRISTINR
Sample : OP34292-BS
Misc : OP34292,MSF3058,20.93,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 17:12:15 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

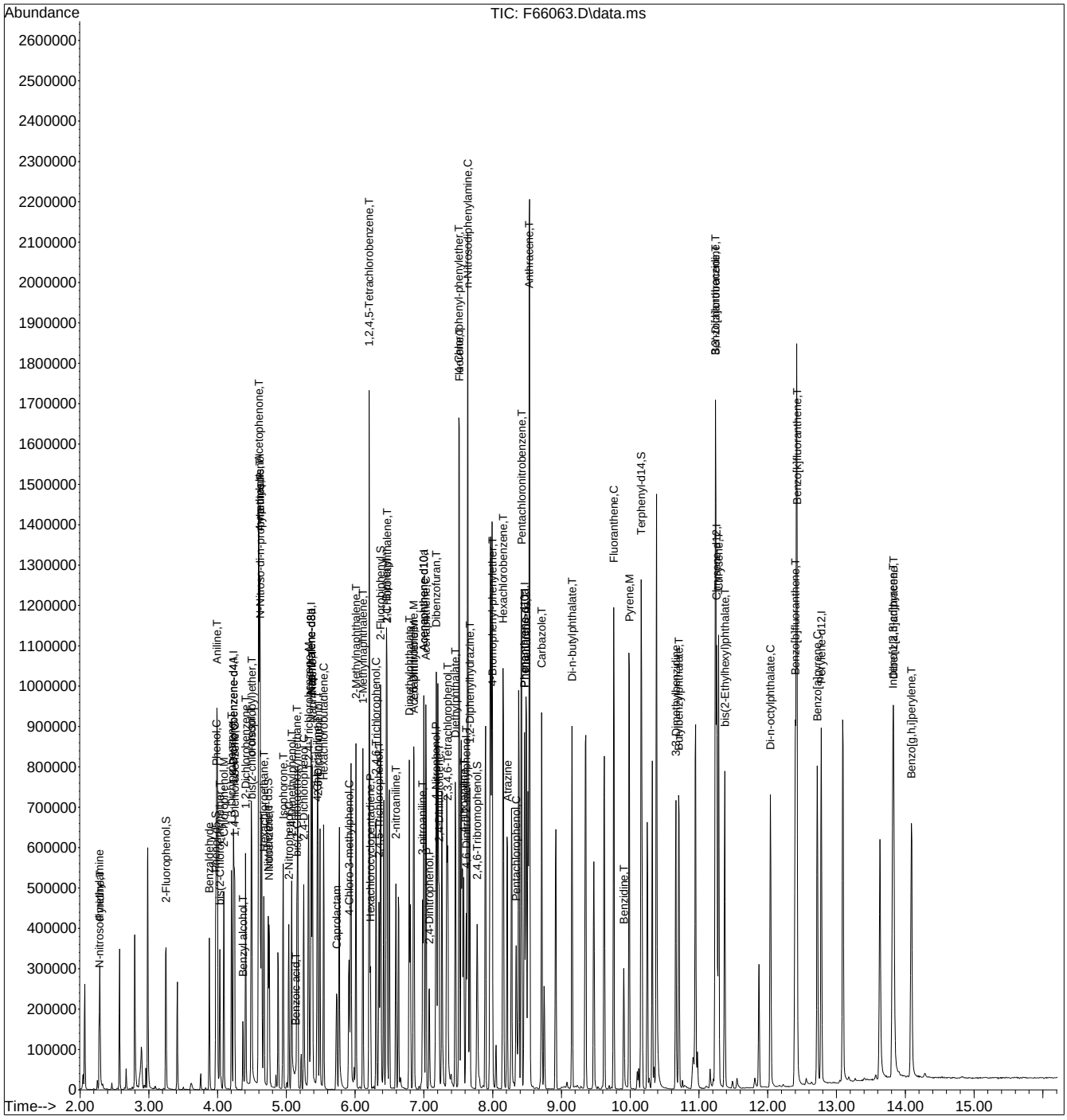
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	4-Chloro-3-methylphenol	5.912	107	103460	47.84	ppm		92
38)	2-Methylnaphthalene	6.011	142	182609	37.94	ppm		98
39)	1-Methylnaphthalene	6.111	142	179782	38.51	ppm		99
40)	1,2,4,5-Tetrachloroben...	6.205	216	257166	87.77	ppm		99
42)	Caprolactam	5.730	55	39161	45.62	ppm		93
44)	Pentachloronitrobenzene	8.420	237	87409	108.50	ppm		98
45)	Hexachlorocyclopentadiene	6.223	237	37556	19.49	ppm		97
46)	2,4,6-Trichlorophenol	6.305	196	75990	40.66	ppm		99
47)	2,4,5-Trichlorophenol	6.346	196	90271	45.44	ppm		98
49)	2-Chloronaphthalene	6.464	162	224267	45.82	ppm		93
50)	Acenaphthylene	6.857	152	253217	32.61	ppm		99
51)	Dimethylphthalate	6.787	163	244804	42.62	ppm		100
52)	2,4-Dinitrotoluene	7.222	165	78550	47.47	ppm		90
53)	Acenaphthene	7.028	153	205351	41.80	ppm		98
54)	2,4-Dinitrophenol	7.081	184	33583	36.43	ppm		87
55)	Dibenzofuran	7.181	168	295651	40.13	ppm		86
56)	2,6-Dinitrotoluene	6.852	165	55436	42.83	ppm		90
57)	4-Nitrophenol	7.175	65	58532m	55.25	ppm		
58)	2,3,4,6-Tetrachlorophenol	7.345	232	75356	42.87	ppm		98
59)	Fluorene	7.515	166	254055	44.56	ppm		99
60)	4-Chlorophenyl-phenyle...	7.509	204	140218	44.38	ppm		91
61)	Diethylphthalate	7.457	149	252507	44.77	ppm		97
62)	2-nitroaniline	6.593	138	67860	43.27	ppm		82
63)	3-nitroaniline	6.981	138	56066	41.93	ppm	#	74
64)	4-nitroaniline	7.580	138	56672	42.18	ppm		82
66)	1,1'-Biphenyl	6.452	154	240804	38.61	ppm		100
68)	4,6-Dinitro-2-methylph...	7.615	198	56846	46.73	ppm		100
69)	n-Nitrosodiphenylamine	7.639	169	432741	104.71	ppm		96
70)	1,2-Diphenylhydrazine	7.668	77	240008	45.68	ppm		94
72)	4-Bromophenyl-phenylether	7.997	248	87704	43.64	ppm		93
73)	Hexachlorobenzene	8.150	284	87293	41.96	ppm		94
74)	Pentachlorophenol	8.344	266	57219	38.43	ppm		99
75)	Phenanthrene	8.490	178	380058m	44.77	ppm		
76)	Anthracene	8.532	178	393143	44.60	ppm		99
77)	Carbazole	8.714	167	349537	45.40	ppm		98
78)	Di-n-butylphthalate	9.154	149	418968	46.42	ppm		99
79)	Fluoranthene	9.759	202	451228	51.13	ppm		100
81)	Atrazine	8.214	200	79763	45.13	ppm		100
83)	Benzidine	9.906	184	115206	32.97	ppm		97
84)	Pyrene	9.988	202	445560	45.64	ppm		95
86)	3,3-Dimethylbenzidine	10.664	212	150447	29.59	ppm		100
87)	Butylbenzylphthalate	10.705	149	171202	47.08	ppm		91
88)	3,3'-Dichlorobenzidine	11.240	252	156408	42.39	ppm		98
89)	Benzo[a]anthracene	11.240	228	433777	47.39	ppm		98
90)	Chrysene	11.287	228	397021	44.35	ppm		98
91)	bis(2-Ethylhexyl)phtha...	11.375	149	237510	47.72	ppm		99
93)	Di-n-octylphthalate	12.039	149	401301	52.54	ppm		99
94)	Benzo[b]fluoranthene	12.403	252	470441	54.65	ppm		97
95)	Benzo[k]fluoranthene	12.426	252	385770	42.03	ppm		96
96)	Benzo[a]pyrene	12.720	252	339262	42.49	ppm		95
97)	Indeno[1,2,3-cd]pyrene	13.819	276	447989	45.00	ppm		82
98)	Dibenz[a,h]anthracene	13.830	278	352904	45.93	ppm		98
99)	Benzo[g,h,i]perylene	14.089	276	367710	43.50	ppm		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66063.D
Acq On : 9 Aug 2013 10:44 am
Operator : KRISTINR
Sample : OP34292-BS
Misc : OP34292,MSF3058,20.93,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 17:12:15 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/12/13 12:46

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66064.D
Acq On : 9 Aug 2013 11:08 am
Operator : KRISTINR
Sample : OP34292-MS
Misc : OP34292,MSF3058,20.35,,,1,5
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 09 17:18:14 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.235	152	76846	40.00	ppm	-0.03
21) 1,4-Dichlorobenzene-d4A	4.235	152	76846	40.00	PPM	-0.03
23) Naphthalene-d8	5.362	136	280177	40.00	ppm	-0.03
41) Naphthalene-d8a	5.362	136	280177	40.00	ppm	-0.03
43) Acenaphthene-d10	7.001	164	175869	40.00	ppm	-0.03
65) Acenaphthene-d10a	7.001	164	175869	40.00	ppm	-0.03
67) Phenanthrene-d10	8.458	188	319428m	40.00	ppm	-0.04
80) Phenanthrene-d10a	8.458	188	319147	40.00	ppm	-0.04
82) Chrysene-d12	11.260	240	352388	40.00	ppm	-0.04
92) Perylene-d12	12.782	264	333281	40.00	ppm	-0.04
100) Naphthalene-d8b	5.362	136	280177	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.248	112	13652	6.09	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.09%#			
7) Phenol-d5	3.970	99	19485	6.83	ppm	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.83%#			
24) Nitrobenzene-d5	4.734	82	19808	7.56	ppm	-0.05
Spiked Amount 50.000	Range 30 - 130		Recovery = 15.12%#			
48) 2-Fluorobiphenyl	6.367	172	42983	7.26	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 14.52%#			
71) 2,4,6-Tribromophenol	7.771	330	6007	5.87	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 5.87%#			
85) Terphenyl-d14	10.156	244	58338	7.80	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 15.60%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.272	74	7571	5.07	ug/l #	75
3) Pyridine	2.290	79	10649	3.97	ppm	92
4) Aniline	3.994	93	16237	4.78	ppm #	1
6) bis(2-Chloroethyl)ether	4.029	63	10621	6.84	ppm	79
8) Phenol	3.982	94	23066	7.99	ppm	86
9) 2-Chlorophenol	4.088	128	16232	6.79	ppm	92
10) 1,3-Dichlorobenzene	4.205	146	16008	5.74	ppm	99
11) 1,4-Dichlorobenzene	4.246	146	16888	5.68	ppm	95
12) 1,2-Dichlorobenzene	4.411	146	16200	6.06	ppm	98
14) bis(2-chloroisopropyl)...	4.499	45	15976	8.29	ppm	96
15) o-cresol	4.481	108	18515	8.82	ppm	83
16) Acetophenone	4.593	105	50642	14.65	ppm	95
17) Hexachloroethane	4.675	117	6724	6.45	ppm	80
18) N-Nitroso-di-n-propyla...	4.610	70	13408	7.79	ppm	82
19) m+p-cresols	4.610	108	38584	16.70	ppm	93
20) 4-methylphenol	4.610	108	38584	16.70	ppm	93
22) Benzaldehyde	3.882	77	13441	7.17	ppm	96
25) Nitrobenzene	4.751	77	19592	7.41	ppm	90
26) Isophorone	4.951	82	31240	7.13	ppm	95
27) 2-Nitrophenol	5.033	139	8840	6.63	ppm	80
28) 2,4-Dimethylphenol	5.075	107	20165	8.07	ppm	93
29) bis(2-Chloroethoxy)met...	5.151	93	25102	9.64	ppm	98
31) 2,4-Dichlorophenol	5.251	162	16694	7.64	ppm	93
32) 1,2,4-Trichlorobenzene	5.321	180	16788	6.69	ppm	99
33) Naphthalene	5.380	128	122401	17.66	ppm	97
34) 2,6-Dichlorophenol	5.456	162	15316	7.04	ppm	96
35) 4-Chloroaniline	5.451	127	17421	5.83	ppm	100
36) Hexachlorobutadiene	5.545	225	11250	6.86	ppm	95
37) 4-Chloro-3-methylphenol	5.909	107	18867	8.76	ppm	91
38) 2-Methylnaphthalene	6.009	142	43496	9.07	ppm	99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66064.D
Acq On : 9 Aug 2013 11:08 am
Operator : KRISTINR
Sample : OP34292-MS
Misc : OP34292,MSF3058,20.35,,,1,5
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 09 17:18:14 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

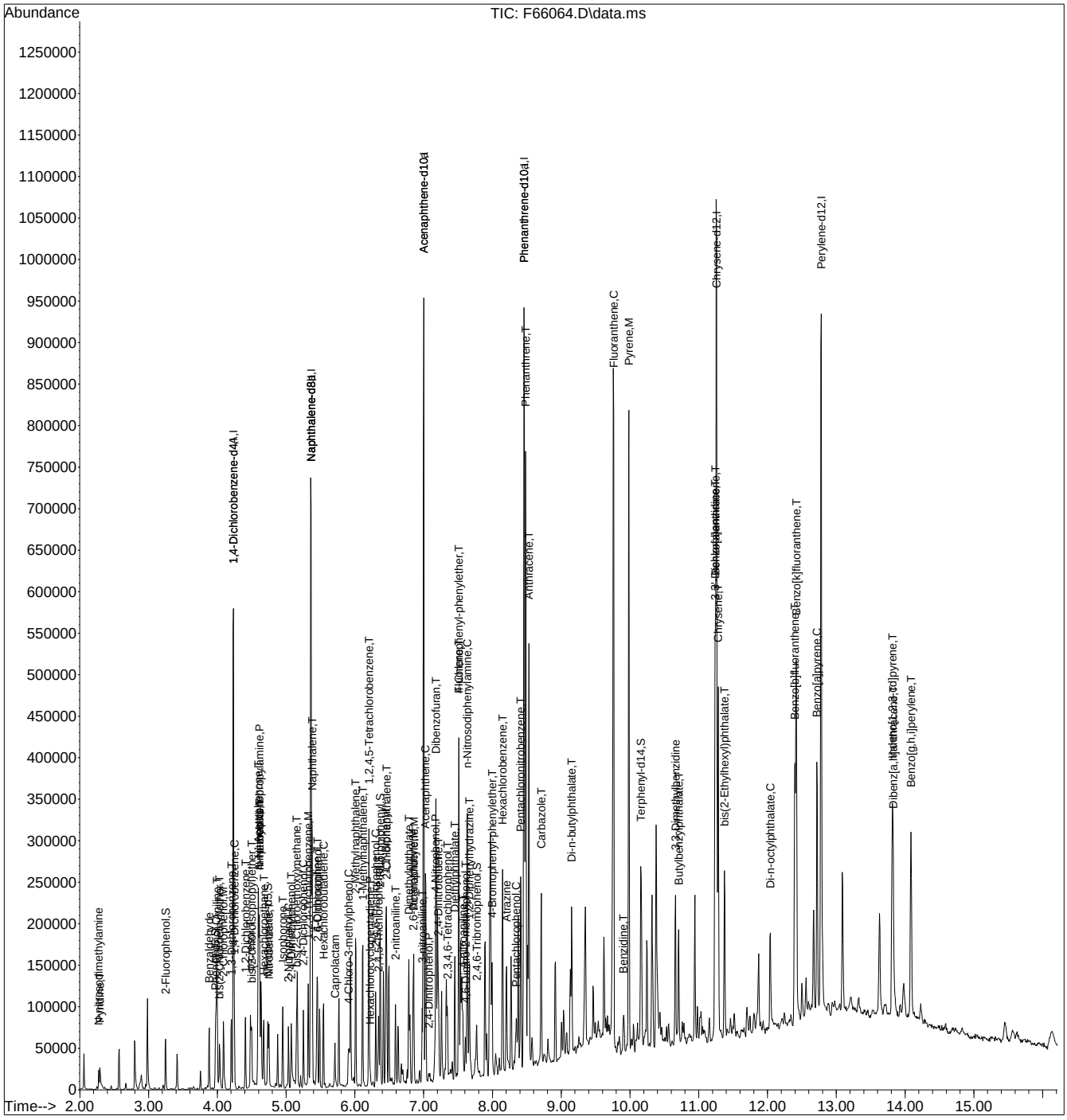
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 1-Methylnaphthalene	6.114	142	38264	8.23	ppm		96
40) 1,2,4,5-Tetrachloroben...	6.202	216	45585	15.62	ppm		98
42) Caprolactam	5.709	55	6455m	7.55	ppm		
44) Pentachloronitrobenzene	8.411	237	14367	18.28	ppm		96
45) Hexachlorocyclopentadiene	6.220	237	2216	1.18	ppm		95
46) 2,4,6-Trichlorophenol	6.302	196	12580	6.90	ppm		99
47) 2,4,5-Trichlorophenol	6.343	196	15159	7.82	ppm		97
49) 2-Chloronaphthalene	6.461	162	38570	8.08	ppm		93
50) Acenaphthylene	6.854	152	47618	6.29	ppm		98
51) Dimethylphthalate	6.784	163	41114	7.34	ppm		98
52) 2,4-Dinitrotoluene	7.213	165	13304	8.24	ppm		85
53) Acenaphthene	7.025	153	55099	11.50	ppm		98
54) 2,4-Dinitrophenol	7.072	184	1017	1.13	ppm	#	47
55) Dibenzofuran	7.178	168	73829	10.27	ppm		92
56) 2,6-Dinitrotoluene	6.849	165	9068	7.18	ppm		88
57) 4-Nitrophenol	7.172	65	10127	9.80	ppm	#	1
58) 2,3,4,6-Tetrachlorophenol	7.348	232	11020	6.43	ppm		96
59) Fluorene	7.512	166	66392	11.94	ppm		96
60) 4-Chlorophenyl-phenyle...	7.512	204	23625	7.66	ppm		95
61) Diethylphthalate	7.454	149	43504	7.91	ppm		97
62) 2-nitroaniline	6.590	138	10947	7.16	ppm		77
63) 3-nitroaniline	6.978	138	9155	7.02	ppm	#	75
64) 4-nitroaniline	7.571	138	9393	7.17	ppm		74
66) 1,1'-Biphenyl	6.449	154	44533	7.32	ppm		99
68) 4,6-Dinitro-2-methylph...	7.612	198	4254m	3.59	ppm		
69) n-Nitrosodiphenylamine	7.636	169	73739	18.34	ppm		95
70) 1,2-Diphenylhydrazine	7.665	77	42486	8.31	ppm		95
72) 4-Bromophenyl-phenylether	7.994	248	14334	7.33	ppm		99
73) Hexachlorobenzene	8.147	284	14205	7.02	ppm		97
74) Pentachlorophenol	8.341	266	5059	3.49	ppm		91
75) Phenanthrene	8.482	178	260402m	31.52	ppm		
76) Anthracene	8.529	178	115897	13.51	ppm		98
77) Carbazole	8.711	167	79814	10.65	ppm		98
78) Di-n-butylphthalate	9.151	149	73008	8.31	ppm		98
79) Fluoranthene	9.762	202	337116	39.26	ppm		93
81) Atrazine	8.206	200	14190	8.27	ppm		98
83) Benzidine	9.903	184	8813	2.55	ppm		89
84) Pyrene	9.986	202	282329	29.20	ppm		96
86) 3,3-Dimethylbenzidine	10.661	212	18956	3.76	ppm		100
87) Butylbenzylphthalate	10.708	149	29460	8.18	ppm		91
88) 3,3'-Dichlorobenzidine	11.237	252	26949	7.37	ppm		99
89) Benzo[a]anthracene	11.243	228	162366	17.91	ppm		97
90) Chrysene	11.284	228	156265	17.62	ppm		97
91) bis(2-Ethylhexyl)phtha...	11.372	149	44425	9.01	ppm		97
93) Di-n-octylphthalate	12.042	149	68399	10.28	ppm		98
94) Benzo[b]fluoranthene	12.394	252	144392m	15.96	ppm		
95) Benzo[k]fluoranthene	12.418	252	139566	14.47	ppm		98
96) Benzo[a]pyrene	12.717	252	132607	15.80	ppm		96
97) Indeno[1,2,3-cd]pyrene	13.816	276	132178	12.63	ppm		83
98) Dibenz[a,h]anthracene	13.827	278	83760	10.37	ppm		95
99) Benzo[g,h,i]perylene	14.086	276	119130m	13.41	ppm		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66064.D
Acq On : 9 Aug 2013 11:08 am
Operator : KRISTINR
Sample : OP34292-MS
Misc : OP34292,MSF3058,20.35,,,1,5
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 09 17:18:14 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23228

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/12/13 12:46

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66065.D
Acq On : 9 Aug 2013 11:31 am
Operator : KRISTINR
Sample : OP34292-MSD
Misc : OP34292,MSF3058,20.54,,,1,5
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 09 17:36:12 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.231	152	74807	40.00	ppm	-0.03
21) 1,4-Dichlorobenzene-d4A	4.231	152	74807	40.00	PPM	-0.03
23) Naphthalene-d8	5.359	136	286251	40.00	ppm	-0.03
41) Naphthalene-d8a	5.359	136	286251	40.00	ppm	-0.03
43) Acenaphthene-d10	6.998	164	176073	40.00	ppm	-0.03
65) Acenaphthene-d10a	6.998	164	176073	40.00	ppm	-0.03
67) Phenanthrene-d10	8.461	188	320636m	40.00	ppm	-0.03
80) Phenanthrene-d10a	8.461	188	320783	40.00	ppm	-0.03
82) Chrysene-d12	11.257	240	350502	40.00	ppm	-0.04
92) Perylene-d12	12.778	264	339862	40.00	ppm	-0.04
100) Naphthalene-d8b	5.359	136	286251	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.244	112	13624	6.25	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.25%#			
7) Phenol-d5	3.973	99	18872	6.80	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.80%#			
24) Nitrobenzene-d5	4.730	82	18398	6.87	ppm	-0.05
Spiked Amount 50.000	Range 30 - 130		Recovery = 13.74%#			
48) 2-Fluorobiphenyl	6.369	172	42413	7.16	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 14.32%#			
71) 2,4,6-Tribromophenol	7.773	330	6173	6.01	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.01%#			
85) Terphenyl-d14	10.158	244	59356	7.97	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 15.94%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.275	74	7315	5.03	ug/l #	70
3) Pyridine	2.293	79	10021	3.83	ppm	84
4) Aniline	3.990	93	16227	4.91	ppm #	1
6) bis(2-Chloroethyl)ether	4.031	63	10021	6.63	ppm	80
8) Phenol	3.984	94	23274	8.28	ppm	76
9) 2-Chlorophenol	4.090	128	15142	6.51	ppm	94
10) 1,3-Dichlorobenzene	4.202	146	15302	5.64	ppm	96
11) 1,4-Dichlorobenzene	4.249	146	15788	5.45	ppm	98
12) 1,2-Dichlorobenzene	4.407	146	15648	6.01	ppm	95
14) bis(2-chloroisopropyl)...	4.495	45	15401	8.21	ppm	98
15) o-cresol	4.484	108	18237	8.92	ppm	84
16) Acetophenone	4.595	105	48208	14.33	ppm	97
17) Hexachloroethane	4.672	117	6341	6.25	ppm	91
18) N-Nitroso-di-n-propyla...	4.613	70	12607	7.52	ppm	87
19) m+p-cresols	4.613	108	36811	16.37	ppm	97
20) 4-methylphenol	4.613	108	36811	16.37	ppm	97
22) Benzaldehyde	3.879	77	12532	6.87	ppm	96
25) Nitrobenzene	4.748	77	18552	6.87	ppm	85
26) Isophorone	4.948	82	31075	6.94	ppm	93
27) 2-Nitrophenol	5.036	139	8560	6.28	ppm	84
28) 2,4-Dimethylphenol	5.077	107	21142	8.28	ppm	89
29) bis(2-Chloroethoxy)met...	5.153	93	24112	9.06	ppm	99
31) 2,4-Dichlorophenol	5.253	162	15375	6.89	ppm	98
32) 1,2,4-Trichlorobenzene	5.324	180	16012	6.25	ppm	96
33) Naphthalene	5.377	128	138113	19.51	ppm	97
34) 2,6-Dichlorophenol	5.459	162	15005	6.75	ppm	95
35) 4-Chloroaniline	5.447	127	17512	5.73	ppm	100
36) Hexachlorobutadiene	5.541	225	11138	6.64	ppm	95
37) 4-Chloro-3-methylphenol	5.905	107	19072	8.66	ppm	90
38) 2-Methylnaphthalene	6.011	142	43317	8.84	ppm	95

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66065.D
Acq On : 9 Aug 2013 11:31 am
Operator : KRISTINR
Sample : OP34292-MSD
Misc : OP34292,MSF3058,20.54,,,1,5
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 09 17:36:12 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

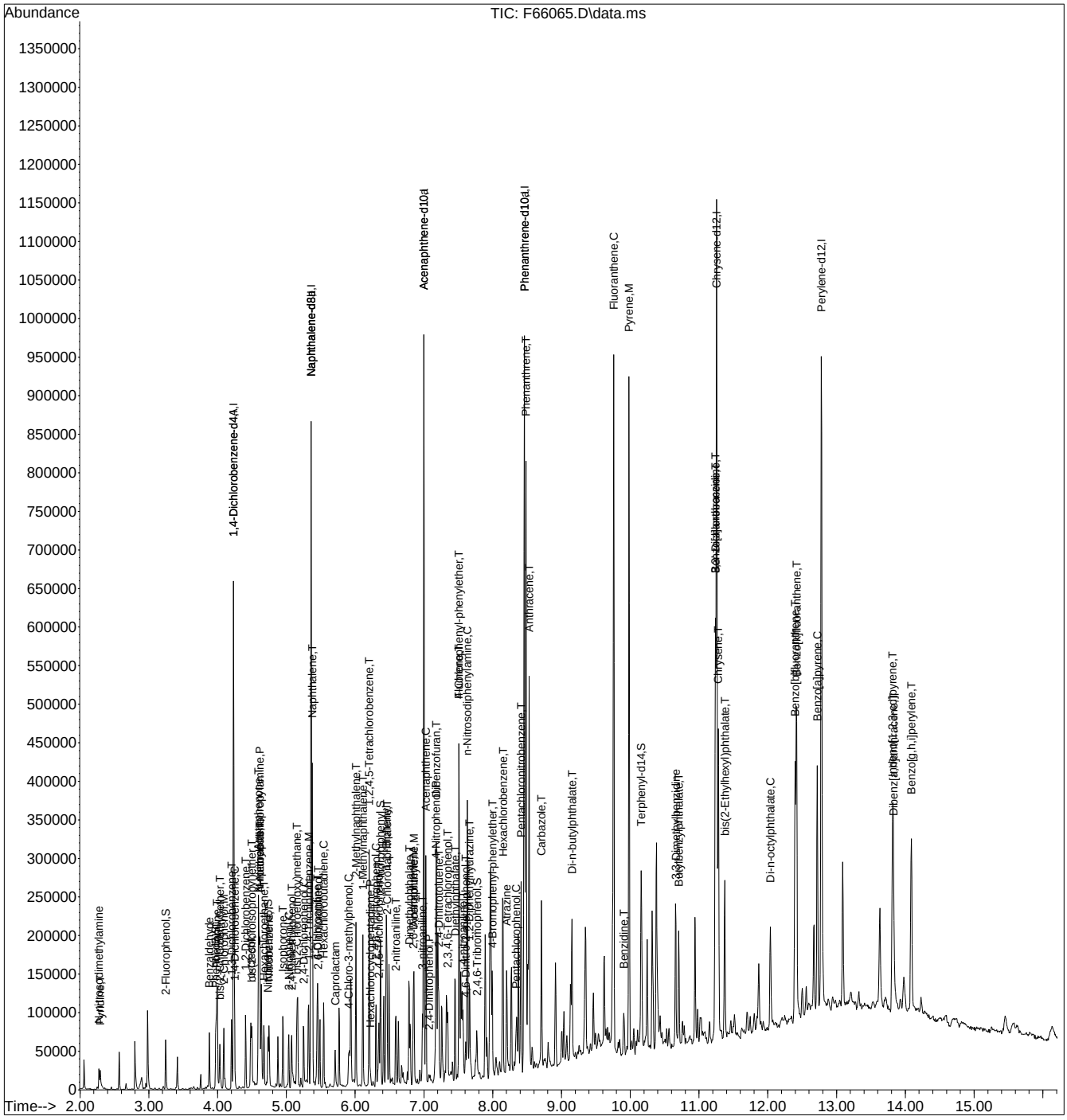
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	1-Methylnaphthalene	6.111	142	39636	8.34	ppm		99
40)	1,2,4,5-Tetrachloroben...	6.205	216	43585	14.61	ppm		96
42)	Caprolactam	5.711	55	7087	8.11	ppm		93
44)	Pentachloronitrobenzene	8.414	237	14564	18.51	ppm		95
45)	Hexachlorocyclopentadiene	6.223	237	1827	0.97	ppm		93
46)	2,4,6-Trichlorophenol	6.305	196	12740	6.98	ppm		99
47)	2,4,5-Trichlorophenol	6.346	196	15596	8.04	ppm		99
49)	2-Chloronaphthalene	6.463	162	39056	8.17	ppm		94
50)	Acenaphthylene	6.857	152	49183	6.49	ppm		99
51)	Dimethylphthalate	6.786	163	42638	7.60	ppm		98
52)	2,4-Dinitrotoluene	7.215	165	13652	8.45	ppm		99
53)	Acenaphthene	7.027	153	56282	11.73	ppm		99
54)	2,4-Dinitrophenol	7.074	184	1003	1.11	ppm		78
55)	Dibenzofuran	7.180	168	75333	10.47	ppm		91
56)	2,6-Dinitrotoluene	6.845	165	9200	7.28	ppm		90
57)	4-Nitrophenol	7.174	65	11763	11.37	ppm	#	1
58)	2,3,4,6-Tetrachlorophenol	7.345	232	11338	6.60	ppm		98
59)	Fluorene	7.509	166	70329	12.63	ppm		100
60)	4-Chlorophenyl-phenyle...	7.509	204	23942	7.76	ppm		92
61)	Diethylphthalate	7.456	149	45157	8.20	ppm		97
62)	2-nitroaniline	6.593	138	11282	7.37	ppm		85
63)	3-nitroaniline	6.980	138	9374	7.18	ppm	#	83
64)	4-nitroaniline	7.568	138	9997	7.62	ppm		75
66)	1,1'-Biphenyl	6.452	154	45580	7.48	ppm		100
68)	4,6-Dinitro-2-methylph...	7.609	198	4193	3.53	ppm		100
69)	n-Nitrosodiphenylamine	7.632	169	74201	18.38	ppm		96
70)	1,2-Diphenylhydrazine	7.662	77	43600	8.50	ppm		94
72)	4-Bromophenyl-phenylether	7.997	248	14648	7.46	ppm		96
73)	Hexachlorobenzene	8.149	284	14606	7.19	ppm		92
74)	Pentachlorophenol	8.337	266	5332	3.67	ppm		94
75)	Phenanthrene	8.484	178	278547m	33.59	ppm		
76)	Anthracene	8.531	178	120612	14.01	ppm		98
77)	Carbazole	8.707	167	83084	11.05	ppm		96
78)	Di-n-butylphthalate	9.154	149	75774	8.60	ppm		98
79)	Fluoranthene	9.759	202	335081	38.88	ppm		97
81)	Atrazine	8.202	200	15045	8.72	ppm		93
83)	Benzidine	9.906	184	12831	3.73	ppm		93
84)	Pyrene	9.982	202	288907	30.04	ppm		100
86)	3,3-Dimethylbenzidine	10.664	212	23028	4.60	ppm		100
87)	Butylbenzylphthalate	10.705	149	30958	8.64	ppm		93
88)	3,3'-Dichlorobenzidine	11.239	252	28560	7.86	ppm		98
89)	Benzo[a]anthracene	11.239	228	163207	18.10	ppm		98
90)	Chrysene	11.280	228	154070	17.47	ppm		97
91)	bis(2-Ethylhexyl)phtha...	11.374	149	45419	9.26	ppm		96
93)	Di-n-octylphthalate	12.038	149	74382	10.82	ppm		99
94)	Benzo[b]fluoranthene	12.397	252	157051	17.02	ppm		96
95)	Benzo[k]fluoranthene	12.420	252	126306	12.84	ppm		95
96)	Benzo[a]pyrene	12.720	252	131578	15.37	ppm		93
97)	Indeno[1,2,3-cd]pyrene	13.812	276	136093	12.75	ppm		81
98)	Dibenz[a,h]anthracene	13.830	278	87416	10.61	ppm		95
99)	Benzo[g,h,i]perylene	14.088	276	122888	13.56	ppm		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66065.D
Acq On : 9 Aug 2013 11:31 am
Operator : KRISTINR
Sample : OP34292-MSD
Misc : OP34292,MSF3058,20.54,,,1,5
ALS Vial : 4 Sample Multiplier: 1

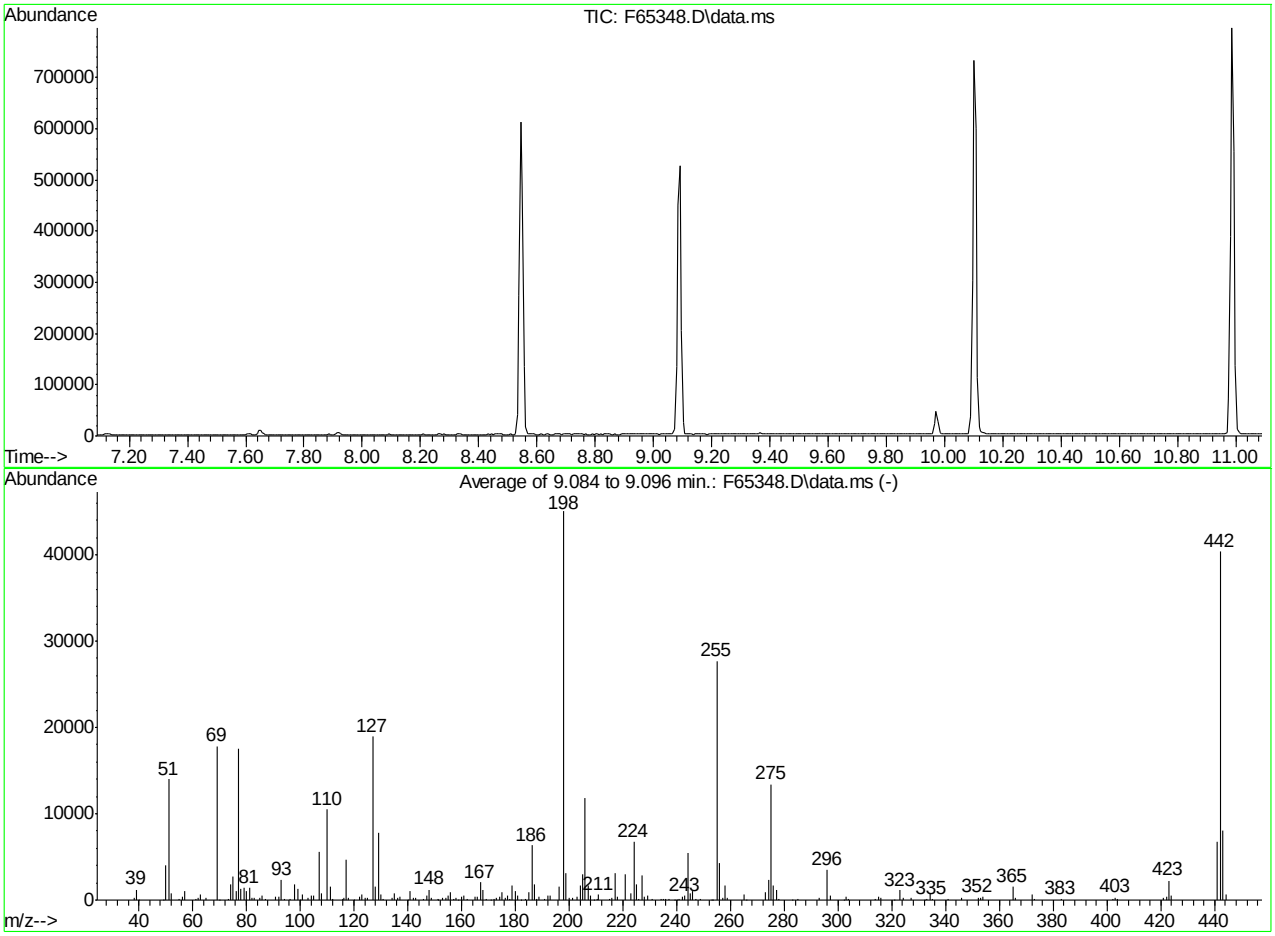
Quant Time: Aug 09 17:36:12 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



DFTPP

Data File : F:\1\DATA\F130701\F65348.D Vial: 99
Acq On : 1 Jul 2013 3:51 pm Operator: kristinr
Sample : DFTPP Inst : MSF
Misc : OP33788,MSF3031,,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\METHODS\DFTPP.m (RTE Integrator)
Title : DFTPP and Tune Evaluation



Spectrum Information: Average of 9.084 to 9.096 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	31.1	13986	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	39.7	17861	PASS
70	69	0.00	2	0.3	53	PASS
127	198	40	60	42.0	18917	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	45035	PASS
199	198	5	9	7.1	3179	PASS
275	198	10	30	29.8	13412	PASS
365	198	1	100	3.4	1528	PASS
441	443	0.01	100	84.1	6771	PASS
442	198	40	100	89.6	40365	PASS
443	442	17	23	20.0	8054	PASS

F65348.D DFTPP.m Wed Jul 03 08:58:36 2013

Average of 9.084 to 9.096 min.: F65348.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	226	62.05	240	79.05	1402	94.05	163
39.05	1227	63.05	626	80.05	984	96.05	75
39.95	54	65.05	273	81.05	1418	98.05	1773
49.15	52	69.05	17861	82.00	322	99.00	1249
50.05	4047	70.05	53	83.00	276	100.05	53
51.05	13986	73.10	130	85.00	287	100.95	696
52.05	736	74.05	1829	85.95	468	102.95	258
55.15	130	75.05	2706	87.00	138	104.05	519
56.05	429	76.15	1010	91.00	384	105.00	549
57.05	1051	77.05	17489	92.05	347	107.05	5564
61.05	198	78.05	1257	93.05	2297	108.05	838

Average of 9.084 to 9.096 min.: F65348.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
110.05	10469	125.00	293	141.00	1108	155.00	546
111.05	1534	127.05	18917	141.95	328	156.00	902
111.95	179	128.05	1569	142.95	209	157.05	165
115.95	153	129.05	7796	146.00	167	157.95	228
116.15	206	129.95	675	147.05	482	158.95	60
117.05	4737	131.00	156	147.95	1203	160.00	355
118.05	325	134.00	284	148.95	321	161.00	464
120.05	61	135.05	731	151.15	59	162.05	136
122.00	418	136.05	261	151.45	81	164.95	441
122.95	601	137.05	341	153.00	315	166.00	355
123.95	207	139.85	52	154.00	242	167.00	2069

Average of 9.084 to 9.096 min.: F65348.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
168.05	1137	180.00	1019	193.05	559	207.95	487
169.00	160	180.95	522	196.05	1619	209.05	60
170.95	56	182.05	58	197.95	45035	210.25	196
171.90	175	183.95	127	198.95	3179	211.05	626
173.00	237	185.05	933	199.95	272	214.95	139
174.00	380	186.05	6321	201.45	212	215.95	280
175.05	887	187.05	1790	203.00	331	216.95	3130
176.05	291	188.00	146	204.05	1663	217.95	445
176.95	487	188.95	421	205.05	3039	221.00	3049
178.05	140	191.00	168	206.05	11866	223.00	827
178.95	1683	191.95	535	207.05	1731	224.05	6698

Average of 9.084 to 9.096 min.: F65348.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
225.05	1840	240.05	60	254.95	27723	276.95	1158
226.05	175	241.00	144	255.95	4334	278.05	98
226.95	2830	241.95	361	257.00	268	282.95	53
228.00	434	243.00	490	257.95	1701	285.05	103
229.00	527	244.05	5403	258.95	266	293.00	233
230.95	193	245.00	756	264.95	605	296.00	3476
234.00	160	245.95	1054	266.05	53	296.95	509
234.95	176	247.00	198	273.00	876	302.05	53
235.95	128	248.95	191	274.00	2323	303.00	425
237.00	183	252.95	53	275.05	13412	303.95	93
239.05	51	253.15	58	276.05	1749	314.00	147

Average of 9.084 to 9.096 min.: F65348.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
314.90	408	345.95	292	403.95	70		
315.95	289	351.95	322	420.90	284		
320.95	56	353.05	251	422.10	353		
323.05	1168	354.00	397	423.00	2211		

DFTPP.m Wed Jul 03 08:58:25 2013 Page: 0

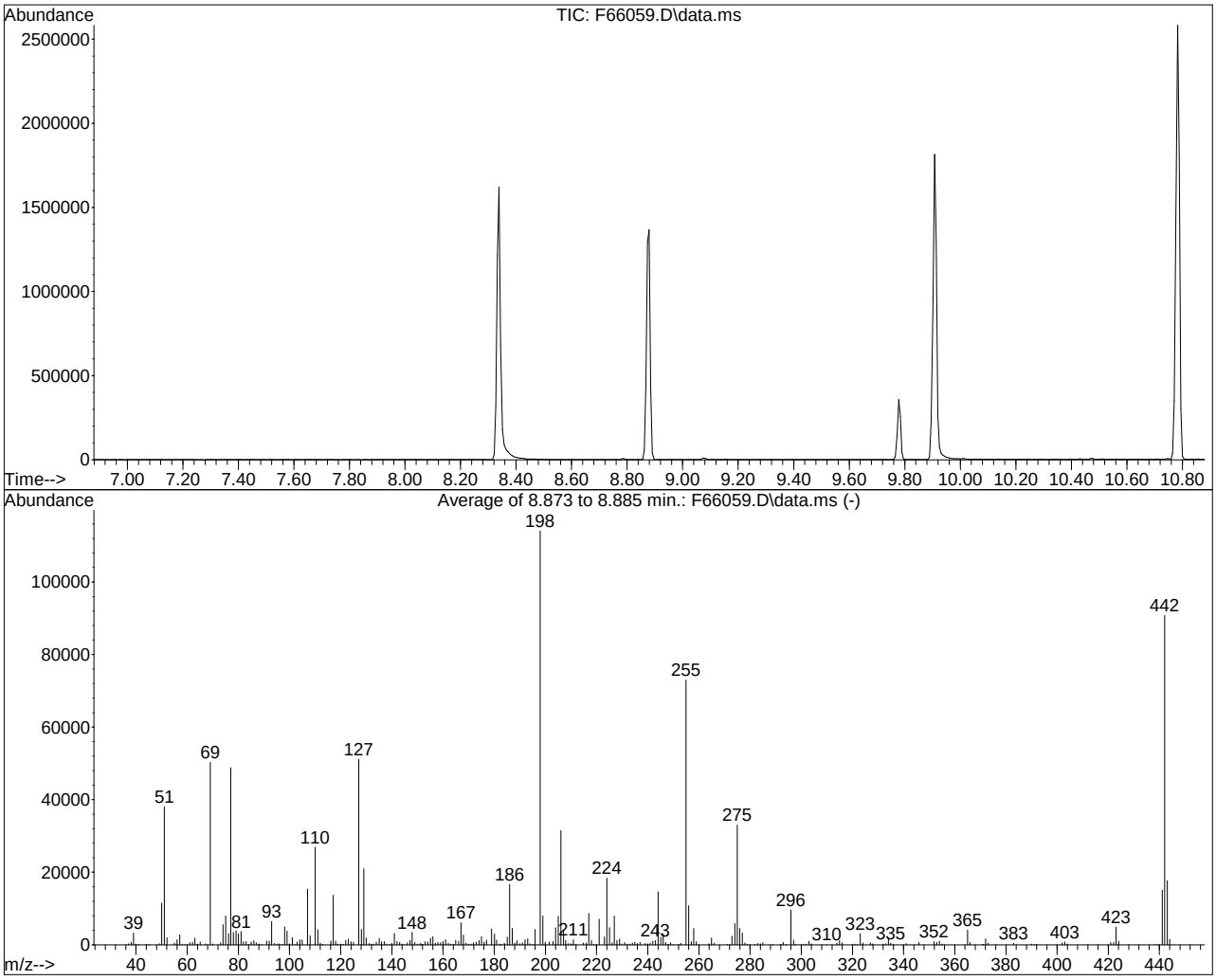
ACCUTEST LABORATORIES MC23228

324.05	234	364.95	1528	424.00	472
327.00	205	365.95	276	441.05	6771
331.95	55	372.05	597	442.05	40365
333.05	82	373.05	74	443.05	8054
334.05	818	382.95	78	444.05	700
334.95	94	401.95	173		
340.95	109	403.00	267		

DFTPP

Data File : F:\1\DATA\F130809\F66059.D Vial: 99
Acq On : 9 Aug 2013 9:09 am Operator: KRISTINR
Sample : DFTPP Inst : MSF
Misc : OP34224,MSF3058,,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\1\methods\dftppeval.m (RTE Integrator)
Title : DFTPP and Tune Evaluation



Spectrum Information: Average of 8.873 to 8.885 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.3	37967	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	44.1	50267	PASS
70	69	0.00	2	0.6	284	PASS
127	198	40	60	44.9	51191	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	114099	PASS
199	198	5	9	7.0	7945	PASS
275	198	10	30	28.9	32989	PASS
365	198	1	100	3.6	4088	PASS
441	443	0.01	100	85.2	15084	PASS
442	198	40	100	79.6	90768	PASS
443	442	17	23	19.5	17700	PASS

F66059.D dftppeval.m Fri Aug 09 13:41:06 2013

Average of 8.873 to 8.885 min.: F66059.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.05	258	55.05	434	69.05	50267	82.00	877
38.10	721	56.05	1353	69.95	284	83.05	914
39.05	3298	57.05	2756	73.05	580	83.95	77
39.95	173	58.00	145	74.05	5496	85.05	797
41.05	39	59.05	51	75.05	7942	86.05	1174
44.05	115	61.05	559	76.15	3021	87.00	516
45.05	115	62.05	679	77.05	48821	88.05	227
49.05	266	63.05	1804	78.05	3382	89.05	53
50.05	11496	64.00	210	79.05	3842	91.05	1068
51.05	37967	65.10	787	80.05	3065	92.05	1026
52.05	1963	67.15	225	81.05	3613	93.05	6382

Average of 8.873 to 8.885 min.: F66059.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.05	370	104.95	1337	120.05	190	132.05	184
95.05	158	107.05	15314	121.05	102	132.90	176
96.05	278	108.05	2421	122.00	1211	133.95	665
97.05	104	110.05	26891	123.00	1602	135.05	1688
98.05	4965	111.05	4132	124.05	864	136.00	833
99.05	3763	112.00	493	124.95	670	137.00	818
99.95	271	112.90	130	127.05	51191	138.00	182
101.05	1923	116.10	1090	128.05	4183	139.05	129
102.05	53	117.05	13657	129.05	20983	139.95	383
103.00	683	118.00	960	130.00	1892	140.95	3099
104.05	1374	118.95	164	131.05	299	142.05	953

Average of 8.873 to 8.885 min.: F66059.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
143.00	654	153.05	855	164.00	144	175.05	2204
143.95	221	154.00	758	164.95	1186	176.05	730
145.05	54	155.05	1774	166.05	1002	176.95	1262
146.00	575	156.05	2267	167.05	6046	178.95	4336
147.05	1239	157.05	421	168.00	2682	180.05	2966
147.95	3377	157.95	593	168.95	492	180.95	1310
149.00	607	159.00	528	169.95	218	182.05	208
149.90	165	159.95	944	170.95	192	182.85	121
151.05	363	161.00	1357	171.95	562	183.95	407
151.35	163	162.00	426	172.95	723	185.05	2111
152.05	104	162.95	159	174.05	1139	186.05	16593

Average of 8.873 to 8.885 min.: F66059.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
187.05	4484	198.95	7945	210.65	138	225.05	4718
188.05	489	199.95	719	210.95	1331	226.05	576
188.95	1119	201.50	748	211.85	74	226.95	7960
189.95	256	202.90	945	214.90	484	228.00	1200
191.00	528	204.00	4625	216.05	447	228.95	1583
192.00	1363	205.05	7830	216.95	8608	229.85	221
193.05	1628	206.05	31484	217.95	1158	231.00	648
193.95	285	207.05	4049	218.95	125	232.05	67
195.05	103	207.95	1193	221.00	7083	233.00	218
195.95	4233	208.95	348	223.05	2147	233.95	447
197.95	114099	210.00	281	224.05	18329	234.95	596

Average of 8.873 to 8.885 min.: F66059.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
236.00	317	247.95	173	264.95	1893	281.85	53
236.95	656	248.95	553	265.95	433	283.00	356
238.95	368	249.95	50	271.05	115	284.00	242
239.95	274	252.00	130	272.05	55	285.00	565
240.95	453	252.95	380	272.95	2360	288.95	71
242.00	984	254.95	72955	274.05	5818	291.95	76
243.05	1174	255.95	10718	275.00	32989	292.95	646
244.05	14525	257.00	832	275.95	4487	294.00	110
245.05	2031	257.95	4474	276.95	3236	295.95	9586
246.00	3072	259.00	883	278.00	467	297.00	1251
246.95	599	263.85	235	278.95	118	297.90	111

Average of 8.873 to 8.885 min.: F66059.D\data.ms

dftppeval.m Fri Aug 09 13:40:06 2013

DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
300.95	78	324.05	490	352.95	660	391.05	68
302.00	161	326.95	590	354.00	956	392.05	57
303.05	966	327.95	288	355.00	169	401.95	574
304.00	276	332.05	211	364.95	4088	403.00	776
309.95	54	333.00	264	365.95	630	404.00	214
313.95	495	334.05	1911	370.95	128	420.95	661
314.95	1129	334.95	480	371.15	111	422.10	652
316.00	553	336.05	51	372.05	1629	423.05	4907
320.95	223	341.00	370	373.00	400	424.05	990
321.95	62	345.95	649	382.95	374	438.35	53
323.05	3043	351.95	876	390.00	166	439.45	72

Average of 8.873 to 8.885 min.: F66059.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
441.05	15084						
442.05	90768						
443.05	17700						
444.00	1496						

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65349.D
Acq On : 1 Jul 2013 4:12 pm
Operator : kristinr
Sample : ICC3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 10 06:58:29 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:10:10 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.421	152	64528	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.421	152	64528	40.00	PPM	0.00
23) Naphthalene-d8	5.555	136	236571	40.00	ppm	0.00
41) Naphthalene-d8a	5.555	136	236571	40.00	ppm	0.00
43) Acenaphthene-d10	7.199	164	147912	40.00	ppm	0.00
65) Acenaphthene-d10a	7.199	164	147912	40.00	ppm	0.00
67) Phenanthrene-d10	8.680	188	266380	40.00	ppm	0.00
80) Phenanthrene-d10a	8.680	188	266380	40.00	ppm	0.00
82) Chrysene-d12	11.476	240	278608	40.00	ppm	0.00
92) Perylene-d12	13.003	264	257022	40.00	ppm	0.00
100) Naphthalene-d8b	5.555	136	235501m	40.00	ug/mL	0.63
System Monitoring Compounds						
5) 2-Fluorophenol	3.410	112	96300	45.00	ppm	0.05
Spiked Amount 100.000	Range 30 - 130		Recovery = 45.00%			
7) Phenol-d5	4.133	99	121124	41.14	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 41.14%			
24) Nitrobenzene-d5	4.926	82	114543	44.19	ppm	0.03
Spiked Amount 50.000	Range 30 - 130		Recovery = 88.38%			
48) 2-Fluorobiphenyl	6.565	172	248684	50.86	ppm	0.02
Spiked Amount 50.000	Range 30 - 130		Recovery = 101.72%			
71) 2,4,6-Tribromophenol	7.981	330	43836	53.80	ppm	0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 53.80%			
85) Terphenyl-d14	10.360	244	293748	48.87	ppm	0.16
Spiked Amount 50.000	Range 30 - 130		Recovery = 97.74%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.453	74	63151	42.14	ug/l	99
3) Pyridine	2.459	79	114016	41.54	ppm	93
4) Aniline	4.174	93	143976	40.10	ppm #	1
6) bis(2-Chloroethyl)ether	4.215	63	66215	40.95	ppm	88
8) Phenol	4.145	94	122797	39.83	ppm	98
9) 2-Chlorophenol	4.268	128	102345	47.36	ppm	95
10) 1,3-Dichlorobenzene	4.392	146	117745	48.18	ppm	98
11) 1,4-Dichlorobenzene	4.439	146	123971	48.50	ppm	97
12) 1,2-Dichlorobenzene	4.597	146	112511	48.27	ppm	98
13) Benzyl alcohol	4.550	108	66207	42.54	ppm	97
14) bis(2-chloroisopropyl)...	4.679	45	80940	35.47	ppm	95
15) o-cresol	4.650	108	90089m	19.68	ppm	
16) Acetophenone	4.785	105	144872	41.35	ppm	90
17) Hexachloroethane	4.867	117	43857	43.87	ppm	80
18) N-Nitroso-di-n-propyla...	4.803	70	73204	43.93	ppm	97
19) m+p-cresols	4.779	108	195467	85.41	ppm	92
20) 4-methylphenol	4.779	108	195467	85.41	ppm	92
25) Nitrobenzene	4.938	77	113863	43.21	ppm	90
26) Isophorone	5.143	82	191272	41.80	ppm	98
27) 2-Nitrophenol	5.226	139	56917	51.72	ppm	92
28) 2,4-Dimethylphenol	5.249	107	106531	44.94	ppm	93
29) bis(2-Chloroethoxy)met...	5.337	93	113201	42.85	ppm	100

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65349.D
Acq On : 1 Jul 2013 4:12 pm
Operator : kristinr
Sample : ICC3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 10 06:58:29 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:10:10 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.337	105	82538	44.06	ppm	95
31) 2,4-Dichlorophenol	5.431	162	93953	53.36	ppm	97
32) 1,2,4-Trichlorobenzene	5.514	180	107678	58.22	ppm	97
33) Naphthalene	5.572	128	293425	48.05	ppm	96
34) 2,6-Dichlorophenol	5.643	162	91884	53.17	ppm	98
35) 4-Chloroaniline	5.637	127	126193	48.57	ppm	100
36) Hexachlorobutadiene	5.737	225	69440	56.89	ppm	97
37) 4-Chloro-3-methylphenol	6.072	107	91991	44.27	ppm	92
38) 2-Methylnaphthalene	6.207	142	202690	50.65	ppm	98
39) 1-Methylnaphthalene	6.312	142	197144	50.29	ppm	98
40) 1,2,4,5-Tetrachloroben...	6.401	216	122056	58.01	ppm	98
44) Pentachloronitrobenzene	8.633	237	33166	52.05	ppm	99
45) Hexachlorocyclopentadiene	6.418	237	80655	66.08	ppm	99
46) 2,4,6-Trichlorophenol	6.495	196	75608	53.17	ppm	96
47) 2,4,5-Trichlorophenol	6.524	196	82277	53.98	ppm	99
49) 2-Chloronaphthalene	6.659	162	202728	51.27	ppm	96
50) Acenaphthylene	7.059	152	323569	50.68	ppm	97
51) Dimethylphthalate	6.976	163	236408	49.29	ppm	100
52) 2,4-Dinitrotoluene	7.417	165	70148	51.23	ppm	96
53) Acenaphthene	7.235	153	200532	50.63	ppm	97
54) 2,4-Dinitrophenol	7.264	184	37249	49.92	ppm	91
55) Dibenzofuran	7.387	168	303833	53.42	ppm	98
56) 2,6-Dinitrotoluene	7.041	165	54439	53.29	ppm	71
57) 4-Nitrophenol	7.323	65	42953	39.35	ppm	88
58) 2,3,4,6-Tetrachlorophenol	7.546	232	73304	55.98	ppm	99
59) Fluorene	7.722	166	237410	52.68	ppm	99
60) 4-Chlorophenyl-phenyle...	7.716	204	131362	58.63	ppm	97
61) Diethylphthalate	7.658	149	228939	47.92	ppm	99
62) 2-nitroaniline	6.782	138	66015	48.86	ppm	92
63) 3-nitroaniline	7.176	138	55698	47.37	ppm	96
64) 4-nitroaniline	7.775	138	56019	46.75	ppm	84
68) 4,6-Dinitro-2-methylph...	7.816	198	51105	51.99	ppm	100
69) n-Nitrosodiphenylamine	7.840	169	169003	47.35	ppm	96
70) 1,2-Diphenylhydrazine	7.875	77	218262m	39.26	ppm	
72) 4-Bromophenyl-phenylether	8.210	248	82444	55.59	ppm	92
73) Hexachlorobenzene	8.368	284	85880	58.01	ppm	88
74) Pentachlorophenol	8.545	266	61441	61.59	ppm	98
75) Phenanthrene	8.709	178	343960	49.75	ppm	99
76) Anthracene	8.756	178	364961	51.60	ppm	99
77) Carbazole	8.927	167	317945	48.79	ppm	97
78) Di-n-butylphthalate	9.367	149	377803	45.27	ppm	100
79) Fluoranthene	9.966	202	364848m	47.12	ppm	
83) Benzidine	10.101	184	144878	44.85	ppm	97
84) Pyrene	10.190	202	385260m	48.36	ppm	
86) 3,3-Dimethylbenzidine	10.865	212	208984	46.53	ppm	100
87) Butylbenzylphthalate	10.912	149	144382	40.57	ppm	97
88) 3,3'-Dichlorobenzidine	11.453	252	151245	52.77	ppm	99
89) Benzo[a]anthracene	11.458	228	362432	48.47	ppm	98
90) Chrysene	11.505	228	346125	47.50	ppm	98
91) bis(2-Ethylhexyl)phtha...	11.582	149	209902	41.45	ppm	98

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65349.D
Acq On : 1 Jul 2013 4:12 pm
Operator : kristinr
Sample : ICC3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 10 06:58:29 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:10:10 2013
Response via : Initial Calibration

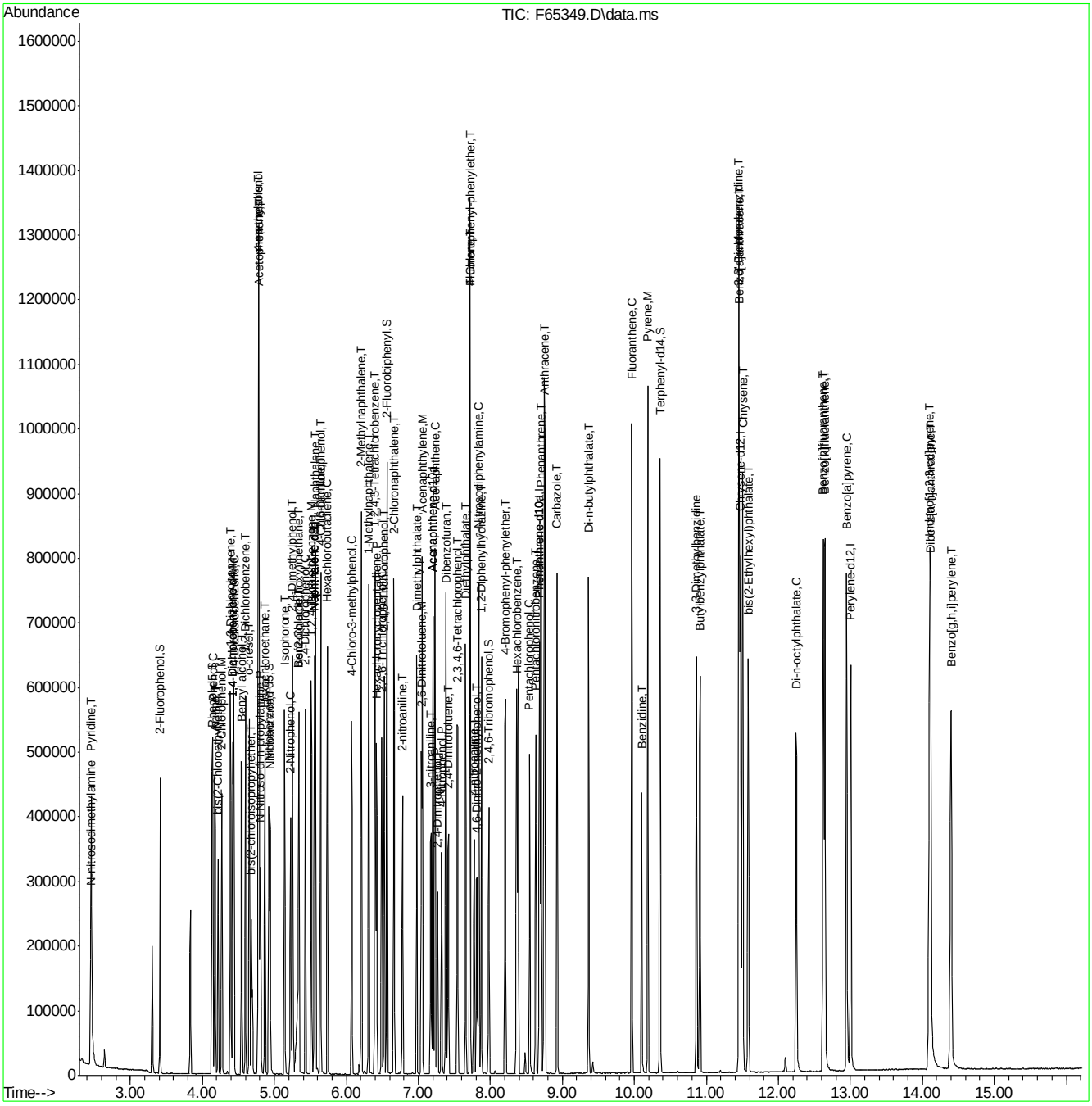
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.246	149	323960m	38.32	ppm	
94) Benzo[b]fluoranthene	12.622	252	358191m	45.45	ppm	
95) Benzo[k]fluoranthene	12.651	252	379179m	52.84	ppm	
96) Benzo[a]pyrene	12.951	252	341207m	49.57	ppm	
97) Indeno[1,2,3-cd]pyrene	14.102	276	411915m	51.03	ppm	
98) Dibenz[a,h]anthracene	14.114	278	331592m	50.60	ppm	
99) Benzo[g,h,i]perylene	14.402	276	348150m	52.11	ppm	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65349.D
Acq On : 1 Jul 2013 4:12 pm
Operator : kristinr
Sample : ICC3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 10 06:58:29 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:10:10 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23228

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65350.D
Acq On : 1 Jul 2013 4:36 pm
Operator : kristinr
Sample : IC3031-2
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 10 06:59:07 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:12:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.421	152	60446	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.421	152	60446	40.00	PPM		0.00
23) Naphthalene-d8	5.555	136	228090	40.00	ppm		0.00
41) Naphthalene-d8a	5.555	136	228090	40.00	ppm		0.00
43) Acenaphthene-d10	7.199	164	142178	40.00	ppm		0.00
65) Acenaphthene-d10a	7.199	164	142178	40.00	ppm		0.00
67) Phenanthrene-d10	8.680	188	259113	40.00	ppm		0.00
80) Phenanthrene-d10a	8.680	188	259113	40.00	ppm		0.00
82) Chrysene-d12	11.476	240	267431	40.00	ppm		0.00
92) Perylene-d12	13.003	264	246581	40.00	ppm		0.00
100) Naphthalene-d8b	5.555	136	228090	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.410	112	3493	1.94	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.94%#				
7) Phenol-d5	4.127	99	4574	2.02	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 2.02%#				
24) Nitrobenzene-d5	4.920	82	3978	1.80	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.60%#				
48) 2-Fluorobiphenyl	6.565	172	9408	1.97	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.94%#				
71) 2,4,6-Tribromophenol	7.975	330	1476	1.73	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.73%#				
85) Terphenyl-d14	10.354	244	11180	1.98	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.96%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.459	74	2245	1.90	ug/l		98
3) Pyridine	2.482	79	4209	1.97	ppm		84
4) Aniline	4.174	93	5501	2.04	ppm	#	1
6) bis(2-Chloroethyl)ether	4.215	63	2474	1.99	ppm		86
8) Phenol	4.139	94	4417	1.92	ppm		97
9) 2-Chlorophenol	4.268	128	3758	1.96	ppm		97
10) 1,3-Dichlorobenzene	4.391	146	4312	1.95	ppm		96
11) 1,4-Dichlorobenzene	4.433	146	4720	2.03	ppm		94
12) 1,2-Dichlorobenzene	4.597	146	4217	2.00	ppm		98
13) Benzyl alcohol	4.544	108	2296	1.85	ppm		98
14) bis(2-chloroisopropyl)...	4.679	45	3133	2.07	ppm		94
15) o-cresol	4.650	108	3323m	0.91	ppm		
16) Acetophenone	4.785	105	5466	2.01	ppm		98
17) Hexachloroethane	4.867	117	1454	1.77	ppm		84
18) N-Nitroso-di-n-propyla...	4.803	70	2717	1.98	ppm		96
19) m+p-cresols	4.773	108	7193	3.93	ppm		99
20) 4-methylphenol	4.773	108	7193	3.93	ppm		99
25) Nitrobenzene	4.938	77	4092	1.86	ppm		87
26) Isophorone	5.143	82	6766	1.83	ppm		95
27) 2-Nitrophenol	5.226	139	1808	1.65	ppm		90
28) 2,4-Dimethylphenol	5.249	107	3604	1.75	ppm		96
29) bis(2-Chloroethoxy)met...	5.337	93	4140	1.90	ppm		90

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65350.D
Acq On : 1 Jul 2013 4:36 pm
Operator : kristinr
Sample : IC3031-2
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 10 06:59:07 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:12:23 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30)	Benzoic acid	5.284	105	1696	1.07	ppm		98
31)	2,4-Dichlorophenol	5.431	162	3231	1.78	ppm		95
32)	1,2,4-Trichlorobenzene	5.513	180	4035	1.94	ppm		94
33)	Naphthalene	5.572	128	10723	1.90	ppm		96
34)	2,6-Dichlorophenol	5.643	162	3334	1.88	ppm		95
35)	4-Chloroaniline	5.637	127	4479	1.84	ppm		100
36)	Hexachlorobutadiene	5.737	225	2733	2.04	ppm		93
37)	4-Chloro-3-methylphenol	6.072	107	3383	1.91	ppm		85
38)	2-Methylnaphthalene	6.207	142	7655	1.96	ppm		96
39)	1-Methylnaphthalene	6.306	142	7589	2.00	ppm		96
40)	1,2,4,5-Tetrachloroben...	6.400	216	4709	2.00	ppm		99
44)	Pentachloronitrobenzene	8.627	237	1019	1.60	ppm		92
45)	Hexachlorocyclopentadiene	6.418	237	2576	1.66	ppm		99
46)	2,4,6-Trichlorophenol	6.489	196	2604	1.79	ppm		99
47)	2,4,5-Trichlorophenol	6.524	196	2764	1.75	ppm		94
49)	2-Chloronaphthalene	6.659	162	7263	1.86	ppm		90
50)	Acenaphthylene	7.053	152	11738	1.89	ppm		97
51)	Dimethylphthalate	6.976	163	8863	1.95	ppm		99
52)	2,4-Dinitrotoluene	7.411	165	2100	1.56	ppm		99
53)	Acenaphthene	7.229	153	7654	1.99	ppm		98
55)	Dibenzofuran	7.382	168	11449	1.96	ppm		97
56)	2,6-Dinitrotoluene	7.035	165	1606	1.53	ppm		83
57)	4-Nitrophenol	7.317	65	1362	1.65	ppm	#	78
58)	2,3,4,6-Tetrachlorophenol	7.540	232	2338	1.66	ppm		95
59)	Fluorene	7.716	166	8583	1.88	ppm		97
60)	4-Chlorophenyl-phenyle...	7.716	204	4756	1.88	ppm		94
61)	Diethylphthalate	7.652	149	9617	2.19	ppm		99
62)	2-nitroaniline	6.782	138	1964	1.55	ppm		90
63)	3-nitroaniline	7.170	138	1725	1.61	ppm		92
64)	4-nitroaniline	7.763	138	1742	1.62	ppm		94
68)	4,6-Dinitro-2-methylph...	7.810	198	1094	1.10	ppm		100
69)	n-Nitrosodiphenylamine	7.834	169	6088	1.85	ppm		95
70)	1,2-Diphenylhydrazine	7.869	77	7858	1.85	ppm		97
72)	4-Bromophenyl-phenylether	8.204	248	3115	1.94	ppm		96
73)	Hexachlorobenzene	8.363	284	3063	1.83	ppm		94
74)	Pentachlorophenol	8.545	266	1729	1.45	ppm		96
75)	Phenanthrene	8.703	178	13364	2.00	ppm		99
76)	Anthracene	8.750	178	12989	1.83	ppm		99
77)	Carbazole	8.926	167	11159	1.80	ppm		96
78)	Di-n-butylphthalate	9.367	149	13110	1.78	ppm		98
79)	Fluoranthene	9.966	202	12838	1.81	ppm		95
83)	Benzidine	10.101	184	4163	1.50	ppm		93
84)	Pyrene	10.184	202	13600	1.84	ppm		95
86)	3,3-Dimethylbenzidine	10.865	212	6324	1.58	ppm		100
87)	Butylbenzylphthalate	10.906	149	4506	1.63	ppm		99
88)	3,3'-Dichlorobenzidine	11.447	252	4156	1.43	ppm		96
89)	Benzo[a]anthracene	11.452	228	13255	1.91	ppm		99
90)	Chrysene	11.499	228	13123	1.97	ppm		98
91)	bis(2-Ethylhexyl)phtha...	11.582	149	5087	1.26	ppm		93
93)	Di-n-octylphthalate	12.246	149	6176	0.99	ppm		93

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65350.D
Acq On : 1 Jul 2013 4:36 pm
Operator : kristinr
Sample : IC3031-2
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 10 06:59:07 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:12:23 2013
Response via : Initial Calibration

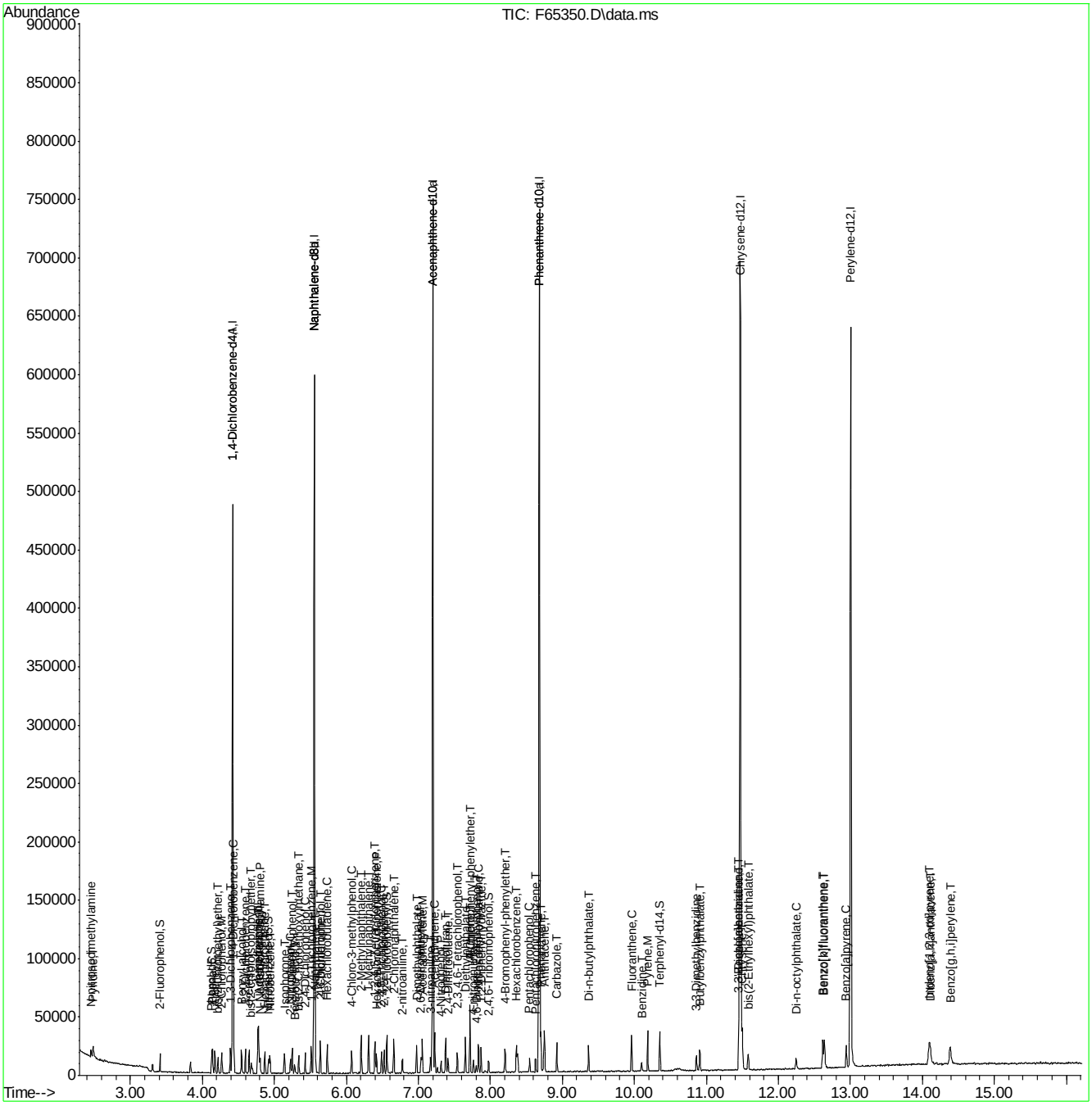
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo[b]fluoranthene	12.616	252	11502	1.67	ppm	98
95) Benzo[k]fluoranthene	12.639	252	13685	1.88	ppm	98
96) Benzo[a]pyrene	12.945	252	9845	1.50	ppm	93
97) Indeno[1,2,3-cd]pyrene	14.096	276	12298	1.56	ppm	87
98) Dibenz[a,h]anthracene	14.108	278	9657	1.52	ppm	95
99) Benzo[g,h,i]perylene	14.390	276	10637	1.59	ppm	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65350.D
Acq On : 1 Jul 2013 4:36 pm
Operator : kristinr
Sample : IC3031-2
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 10 06:59:07 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:12:23 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65351.D
Acq On : 1 Jul 2013 5:00 pm
Operator : kristinr
Sample : IC3031-5
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 10 06:59:17 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:14:15 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.421	152	56712	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.421	152	56712	40.00	PPM		0.00
23) Naphthalene-d8	5.555	136	208770	40.00	ppm		0.00
41) Naphthalene-d8a	5.555	136	208770	40.00	ppm		0.00
43) Acenaphthene-d10	7.200	164	129325	40.00	ppm		0.00
65) Acenaphthene-d10a	7.200	164	129325	40.00	ppm		0.00
67) Phenanthrene-d10	8.680	188	240238	40.00	ppm		0.00
80) Phenanthrene-d10a	8.680	188	240238	40.00	ppm		0.00
82) Chrysene-d12	11.471	240	245286	40.00	ppm		0.00
92) Perylene-d12	13.004	264	229683	40.00	ppm		0.00
100) Naphthalene-d8b	5.555	136	208770	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.411	112	8286	4.97	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 4.97%#				
7) Phenol-d5	4.128	99	10517	4.92	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 4.92%#				
24) Nitrobenzene-d5	4.921	82	9539	4.97	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 9.94%#				
48) 2-Fluorobiphenyl	6.565	172	21881	5.07	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 10.14%#				
71) 2,4,6-Tribromophenol	7.975	330	3474	4.39	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 4.39%#				
85) Terphenyl-d14	10.354	244	25132	4.88	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 9.76%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.453	74	5343	4.81	ug/l		91
3) Pyridine	2.471	79	9552	4.77	ppm		94
4) Aniline	4.175	93	12004	4.70	ppm	#	1
6) bis(2-Chloroethyl)ether	4.216	63	5597	4.82	ppm		91
8) Phenol	4.139	94	10337	4.89	ppm		94
9) 2-Chlorophenol	4.269	128	8328	4.68	ppm		94
10) 1,3-Dichlorobenzene	4.392	146	10205	4.99	ppm		98
11) 1,4-Dichlorobenzene	4.433	146	11267	5.13	ppm		94
12) 1,2-Dichlorobenzene	4.598	146	10040	5.08	ppm		96
13) Benzyl alcohol	4.545	108	5503	4.73	ppm		96
14) bis(2-chloroisopropyl)...	4.680	45	7232	5.00	ppm		93
15) o-cresol	4.650	108	7442m	2.19	ppm		
16) Acetophenone	4.786	105	13007	5.09	ppm		91
17) Hexachloroethane	4.868	117	4016	5.53	ppm		86
18) N-Nitroso-di-n-propyla...	4.803	70	6239	4.87	ppm		97
19) m+p-cresols	4.774	108	16834	9.89	ppm		93
20) 4-methylphenol	4.774	108	16834	9.89	ppm		93
25) Nitrobenzene	4.938	77	9860	5.08	ppm		88
26) Isophorone	5.138	82	15798	4.88	ppm		96
27) 2-Nitrophenol	5.226	139	4676	4.65	ppm		94
28) 2,4-Dimethylphenol	5.250	107	8869	4.72	ppm		93
29) bis(2-Chloroethoxy)met...	5.338	93	9452	4.73	ppm		96

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65351.D
Acq On : 1 Jul 2013 5:00 pm
Operator : kristinr
Sample : IC3031-5
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 10 06:59:17 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:14:15 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.291	105	4815	3.31	ppm		89
31) 2,4-Dichlorophenol	5.432	162	7896	4.76	ppm		97
32) 1,2,4-Trichlorobenzene	5.514	180	9201	4.91	ppm		98
33) Naphthalene	5.573	128	25634	5.08	ppm		97
34) 2,6-Dichlorophenol	5.643	162	7831	4.83	ppm		98
35) 4-Chloroaniline	5.637	127	10686	4.80	ppm		100
36) Hexachlorobutadiene	5.737	225	5914	4.78	ppm		94
37) 4-Chloro-3-methylphenol	6.072	107	7632	4.70	ppm		94
38) 2-Methylnaphthalene	6.207	142	18052	5.10	ppm		100
39) 1-Methylnaphthalene	6.307	142	17126	4.93	ppm		94
40) 1,2,4,5-Tetrachloroben...	6.401	216	10887	5.05	ppm		97
44) Pentachloronitrobenzene	8.627	237	2521	4.35	ppm		97
45) Hexachlorocyclopentadiene	6.419	237	5922	4.20	ppm		99
46) 2,4,6-Trichlorophenol	6.489	196	6306	4.77	ppm		98
47) 2,4,5-Trichlorophenol	6.524	196	6884	4.78	ppm		94
49) 2-Chloronaphthalene	6.659	162	17428	5.09	ppm		96
50) Acenaphthylene	7.053	152	27084	4.93	ppm		98
51) Dimethylphthalate	6.977	163	20609	5.05	ppm		99
52) 2,4-Dinitrotoluene	7.411	165	5243	4.27	ppm		97
53) Acenaphthene	7.229	153	17316	4.96	ppm		96
54) 2,4-Dinitrophenol	7.265	184	1935	2.97	ppm		99
55) Dibenzofuran	7.382	168	26315	5.00	ppm		98
56) 2,6-Dinitrotoluene	7.035	165	4095	4.30	ppm		78
57) 4-Nitrophenol	7.317	65	3527	4.70	ppm		81
58) 2,3,4,6-Tetrachlorophenol	7.541	232	5730	4.47	ppm		99
59) Fluorene	7.717	166	19988	4.96	ppm		99
60) 4-Chlorophenyl-phenyle...	7.717	204	11338	5.08	ppm		96
61) Diethylphthalate	7.652	149	20874	4.98	ppm		98
62) 2-nitroaniline	6.783	138	4985	4.32	ppm		98
63) 3-nitroaniline	7.171	138	4218	4.33	ppm		89
64) 4-nitroaniline	7.764	138	4265	4.35	ppm	#	72
68) 4,6-Dinitro-2-methylph...	7.811	198	2928	3.18	ppm		100
69) n-Nitrosodiphenylamine	7.834	169	14226	4.85	ppm		97
70) 1,2-Diphenylhydrazine	7.870	77	18392	4.85	ppm		98
72) 4-Bromophenyl-phenylether	8.204	248	6974	4.76	ppm		94
73) Hexachlorobenzene	8.363	284	7324	4.93	ppm		91
74) Pentachlorophenol	8.545	266	4381	3.95	ppm		96
75) Phenanthrene	8.704	178	30123	4.86	ppm		99
76) Anthracene	8.751	178	30861	4.90	ppm		99
77) Carbazole	8.927	167	27193	4.99	ppm		98
78) Di-n-butylphthalate	9.368	149	30947	4.54	ppm		98
79) Fluoranthene	9.967	202	31681	5.06	ppm		95
83) Benzidine	10.102	184	10692	4.19	ppm		97
84) Pyrene	10.184	202	32808	5.04	ppm		98
86) 3,3-Dimethylbenzidine	10.866	212	15892	4.32	ppm		100
87) Butylbenzylphthalate	10.907	149	11123	4.38	ppm		97
88) 3,3'-Dichlorobenzidine	11.447	252	10379	3.90	ppm		100
89) Benzo[a]anthracene	11.453	228	30372	4.87	ppm		95
90) Chrysene	11.500	228	30947	5.11	ppm		99
91) bis(2-Ethylhexyl)phtha...	11.582	149	13444	3.64	ppm		95

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65351.D
Acq On : 1 Jul 2013 5:00 pm
Operator : kristinr
Sample : IC3031-5
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 10 06:59:17 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:14:15 2013
Response via : Initial Calibration

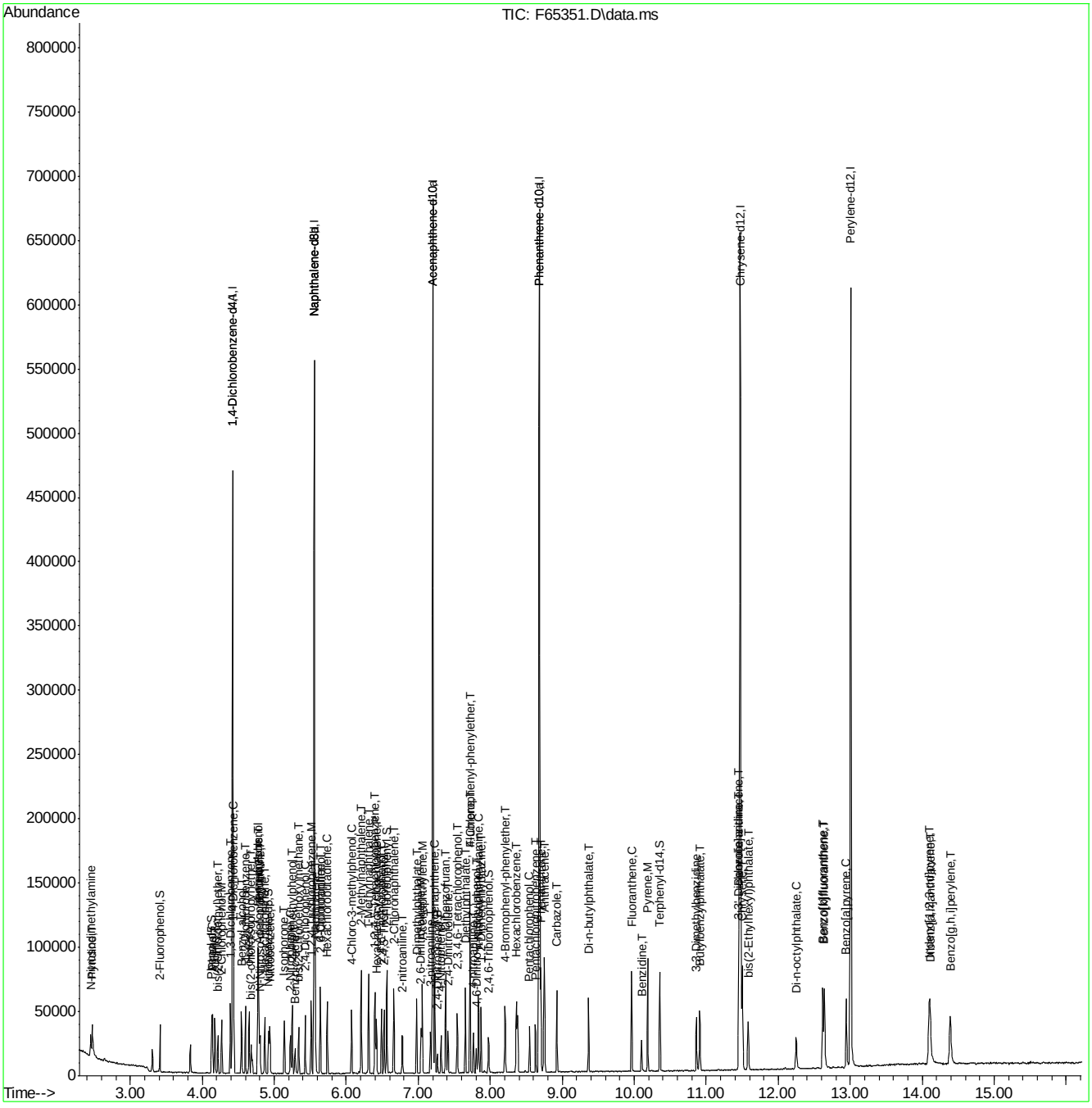
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.246	149	17928	3.10	ppm	97
94) Benzo[b]fluoranthene	12.616	252	27049	4.60	ppm	98
95) Benzo[k]fluoranthene	12.640	252	32758	4.98	ppm	98
96) Benzo[a]pyrene	12.945	252	26373	4.94	ppm	95
97) Indeno[1,2,3-cd]pyrene	14.096	276	30619	4.68	ppm	90
98) Dibenz[a,h]anthracene	14.108	278	23571	4.52	ppm	97
99) Benzo[g,h,i]perylene	14.390	276	26952	4.82	ppm	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65351.D
Acq On : 1 Jul 2013 5:00 pm
Operator : kristinr
Sample : IC3031-5
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 10 06:59:17 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:14:15 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65352.D
Acq On : 1 Jul 2013 5:24 pm
Operator : kristinr
Sample : IC3031-10
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 10 06:59:38 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:17:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.422	152	62173	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.422	152	62173	40.00	PPM		0.00
23) Naphthalene-d8	5.556	136	228985	40.00	ppm		0.00
41) Naphthalene-d8a	5.556	136	228985	40.00	ppm		0.00
43) Acenaphthene-d10	7.201	164	142777	40.00	ppm		0.00
65) Acenaphthene-d10a	7.201	164	142777	40.00	ppm		0.00
67) Phenanthrene-d10	8.681	188	256450	40.00	ppm		0.00
80) Phenanthrene-d10a	8.681	188	256450	40.00	ppm		0.00
82) Chrysene-d12	11.472	240	264343	40.00	ppm		0.00
92) Perylene-d12	13.005	264	240886	40.00	ppm		0.00
100) Naphthalene-d8b	5.556	136	228985	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.412	112	17886	9.81	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 9.81%#				
7) Phenol-d5	4.129	99	22134	9.50	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 9.50%#				
24) Nitrobenzene-d5	4.922	82	20774	9.88	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 19.76%#				
48) 2-Fluorobiphenyl	6.567	172	47300	9.88	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 19.76%#				
71) 2,4,6-Tribromophenol	7.982	330	7627	9.62	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 9.62%#				
85) Terphenyl-d14	10.356	244	55638	10.11	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 20.22%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.449	74	11826	9.90	ug/l		93
3) Pyridine	2.466	79	21580	10.06	ppm		92
4) Aniline	4.176	93	27468	10.01	ppm	#	1
6) bis(2-Chloroethyl)ether	4.217	63	12436	9.88	ppm		91
8) Phenol	4.140	94	23006	10.00	ppm		97
9) 2-Chlorophenol	4.270	128	19051	9.97	ppm		99
10) 1,3-Dichlorobenzene	4.393	146	22722	10.14	ppm		97
11) 1,4-Dichlorobenzene	4.434	146	23550	9.70	ppm		96
12) 1,2-Dichlorobenzene	4.599	146	20793	9.54	ppm		99
13) Benzyl alcohol	4.546	108	12054	9.71	ppm		94
14) bis(2-chloroisopropyl)...	4.681	45	15391	9.71	ppm		96
15) o-cresol	4.651	108	16539m	4.45	ppm		
16) Acetophenone	4.787	105	27432	9.73	ppm		97
17) Hexachloroethane	4.869	117	8333	10.11	ppm		75
18) N-Nitroso-di-n-propyla...	4.798	70	13332	9.58	ppm		94
19) m+p-cresols	4.775	108	36879	19.83	ppm		94
20) 4-methylphenol	4.775	108	36879	19.83	ppm		94
25) Nitrobenzene	4.939	77	21250	9.93	ppm		94
26) Isophorone	5.139	82	35275	10.02	ppm		97
27) 2-Nitrophenol	5.227	139	10181	9.57	ppm		96
28) 2,4-Dimethylphenol	5.251	107	19919	9.94	ppm		92
29) bis(2-Chloroethoxy)met...	5.339	93	20310	9.52	ppm		99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65352.D
Acq On : 1 Jul 2013 5:24 pm
Operator : kristinr
Sample : IC3031-10
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 10 06:59:38 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:17:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.304	105	12430	7.78	ppm	92
31) 2,4-Dichlorophenol	5.433	162	16870	9.50	ppm	96
32) 1,2,4-Trichlorobenzene	5.515	180	19844	9.71	ppm	98
33) Naphthalene	5.574	128	56656	10.19	ppm	97
34) 2,6-Dichlorophenol	5.644	162	17316	9.90	ppm	100
35) 4-Chloroaniline	5.633	127	23785	9.94	ppm	100
36) Hexachlorobutadiene	5.738	225	12872	9.62	ppm	97
37) 4-Chloro-3-methylphenol	6.073	107	16916	9.79	ppm	93
38) 2-Methylnaphthalene	6.208	142	38464	9.84	ppm	99
39) 1-Methylnaphthalene	6.308	142	37841	9.97	ppm	95
40) 1,2,4,5-Tetrachloroben...	6.402	216	24048	10.14	ppm	100
44) Pentachloronitrobenzene	8.628	237	6061	9.47	ppm	96
45) Hexachlorocyclopentadiene	6.420	237	13570	9.47	ppm	96
46) 2,4,6-Trichlorophenol	6.490	196	13915	9.76	ppm	95
47) 2,4,5-Trichlorophenol	6.525	196	14530	9.35	ppm	96
49) 2-Chloronaphthalene	6.661	162	37676	9.91	ppm	95
50) Acenaphthylene	7.054	152	60323	9.99	ppm	98
51) Dimethylphthalate	6.978	163	44698	9.89	ppm	99
52) 2,4-Dinitrotoluene	7.412	165	12106	9.64	ppm	98
53) Acenaphthene	7.230	153	37771	9.82	ppm	95
54) 2,4-Dinitrophenol	7.266	184	5082	7.07	ppm	97
55) Dibenzofuran	7.383	168	57681	9.93	ppm	99
56) 2,6-Dinitrotoluene	7.037	165	9454	9.67	ppm	78
57) 4-Nitrophenol	7.318	65	7682	9.26	ppm	86
58) 2,3,4,6-Tetrachlorophenol	7.542	232	13144	9.81	ppm	97
59) Fluorene	7.718	166	43523	9.81	ppm	96
60) 4-Chlorophenyl-phenyle...	7.718	204	23944	9.67	ppm	96
61) Diethylphthalate	7.653	149	43636	9.45	ppm	98
62) 2-nitroaniline	6.784	138	11493	9.68	ppm	97
63) 3-nitroaniline	7.172	138	9528	8.86	ppm	88
64) 4-nitroaniline	7.771	138	9740	9.01	ppm	94
68) 4,6-Dinitro-2-methylph...	7.812	198	7339	7.46	ppm	100
69) n-Nitrosodiphenylamine	7.835	169	31880	10.28	ppm	97
70) 1,2-Diphenylhydrazine	7.871	77	41057	10.25	ppm	97
72) 4-Bromophenyl-phenylether	8.206	248	15381	9.99	ppm	96
73) Hexachlorobenzene	8.364	284	15928	10.10	ppm	93
74) Pentachlorophenol	8.546	266	10182	8.61	ppm	97
75) Phenanthrene	8.705	178	66366	10.12	ppm	99
76) Anthracene	8.752	178	67812	10.15	ppm	99
77) Carbazole	8.928	167	59139	10.17	ppm	97
78) Di-n-butylphthalate	9.363	149	67332	9.70	ppm	98
79) Fluoranthene	9.968	202	68737	10.24	ppm	95
83) Benzidine	10.097	184	24632	9.75	ppm	96
84) Pyrene	10.185	202	72622	10.32	ppm	99
86) 3,3-Dimethylbenzidine	10.867	212	36859	9.97	ppm	100
87) Butylbenzylphthalate	10.908	149	24976	9.72	ppm	95
88) 3,3'-Dichlorobenzidine	11.448	252	24668	9.66	ppm	99
89) Benzo[a]anthracene	11.454	228	66924	10.05	ppm	98
90) Chrysene	11.501	228	65543	9.97	ppm	98
91) bis(2-Ethylhexyl)phtha...	11.577	149	32971	9.58	ppm	99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65352.D
Acq On : 1 Jul 2013 5:24 pm
Operator : kristinr
Sample : IC3031-10
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 10 06:59:38 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:17:24 2013
Response via : Initial Calibration

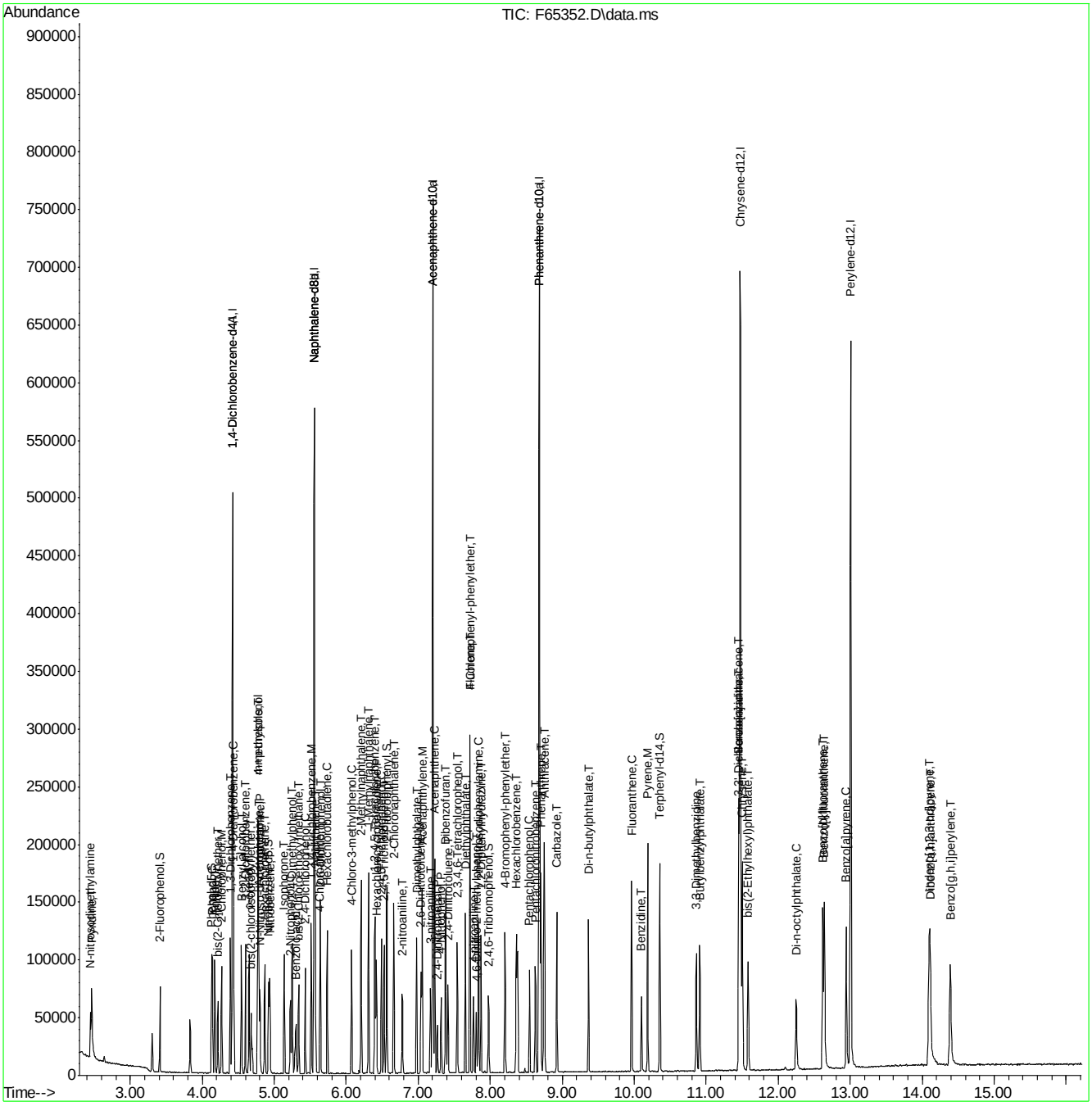
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.247	149	43994	8.95	ppm	100
94) Benzo[b]fluoranthene	12.617	252	60386	10.06	ppm	98
95) Benzo[k]fluoranthene	12.641	252	71204	10.34	ppm	99
96) Benzo[a]pyrene	12.946	252	56417	10.11	ppm	96
97) Indeno[1,2,3-cd]pyrene	14.098	276	68847	10.25	ppm	87
98) Dibenz[a,h]anthracene	14.109	278	54576	10.31	ppm	98
99) Benzo[g,h,i]perylene	14.391	276	59333	10.24	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65352.D
Acq On : 1 Jul 2013 5:24 pm
Operator : kristinr
Sample : IC3031-10
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 10 06:59:38 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:17:24 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65353.D
Acq On : 1 Jul 2013 5:48 pm
Operator : kristinr
Sample : IC3031-20
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 10 07:00:02 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:31:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.424	152	53472	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.424	152	53472	40.00	PPM		0.00
23) Naphthalene-d8	5.552	136	194359	40.00	ppm		0.00
41) Naphthalene-d8a	5.552	136	194359	40.00	ppm		0.00
43) Acenaphthene-d10	7.203	164	123125	40.00	ppm		0.00
65) Acenaphthene-d10a	7.203	164	123125	40.00	ppm		0.00
67) Phenanthrene-d10	8.677	188	224146	40.00	ppm		0.00
80) Phenanthrene-d10a	8.677	188	224146	40.00	ppm		0.00
82) Chrysene-d12	11.473	240	229502	40.00	ppm		0.00
92) Perylene-d12	13.007	264	212675	40.00	ppm		0.00
100) Naphthalene-d8b	5.552	136	194359	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.408	112	31114	19.94	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 19.94%#				
7) Phenol-d5	4.130	99	40325	20.37	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 20.37%#				
24) Nitrobenzene-d5	4.923	82	36690	20.62	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 41.24%				
48) 2-Fluorobiphenyl	6.562	172	83299	20.24	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 40.48%				
71) 2,4,6-Tribromophenol	7.978	330	13835	20.22	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 20.22%#				
85) Terphenyl-d14	10.357	244	100471	20.96	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 41.92%				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.450	74	21214	20.72	ug/l		96
3) Pyridine	2.462	79	37770	20.43	ppm		95
4) Aniline	4.177	93	47710	20.20	ppm	#	1
6) bis(2-Chloroethyl)ether	4.213	63	21534	19.95	ppm		85
8) Phenol	4.142	94	41075	20.75	ppm		97
9) 2-Chlorophenol	4.271	128	33424	20.36	ppm		99
10) 1,3-Dichlorobenzene	4.395	146	38812	20.06	ppm		98
11) 1,4-Dichlorobenzene	4.436	146	41477	20.01	ppm		96
12) 1,2-Dichlorobenzene	4.600	146	37469	20.22	ppm		99
13) Benzyl alcohol	4.547	108	21813	20.63	ppm		97
14) bis(2-chloroisopropyl)...	4.682	45	27113	20.03	ppm		97
15) o-cresol	4.647	108	29757m	9.32	ppm		
16) Acetophenone	4.782	105	47572	19.76	ppm		92
17) Hexachloroethane	4.865	117	14870	20.91	ppm		93
18) N-Nitroso-di-n-propyla...	4.800	70	24337	20.55	ppm		95
19) m+p-cresols	4.776	108	64031	40.12	ppm		95
20) 4-methylphenol	4.776	108	64031	40.12	ppm		95
25) Nitrobenzene	4.941	77	37369	20.61	ppm		97
26) Isophorone	5.141	82	61893	20.70	ppm		98
27) 2-Nitrophenol	5.223	139	18485	20.77	ppm		89
28) 2,4-Dimethylphenol	5.246	107	35335	20.82	ppm		88
29) bis(2-Chloroethoxy)met...	5.340	93	36031	20.23	ppm		99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65353.D
Acq On : 1 Jul 2013 5:48 pm
Operator : kristinr
Sample : IC3031-20
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 10 07:00:02 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:31:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.311	105	24193	20.07	ppm	94
31) 2,4-Dichlorophenol	5.429	162	30316	20.46	ppm	96
32) 1,2,4-Trichlorobenzene	5.517	180	35389	20.56	ppm	98
33) Naphthalene	5.570	128	99464	20.97	ppm	97
34) 2,6-Dichlorophenol	5.646	162	30553	20.65	ppm	98
35) 4-Chloroaniline	5.634	127	41654	20.55	ppm	100
36) Hexachlorobutadiene	5.740	225	22941	20.40	ppm	100
37) 4-Chloro-3-methylphenol	6.075	107	30013	20.61	ppm	98
38) 2-Methylnaphthalene	6.210	142	67515	20.43	ppm	95
39) 1-Methylnaphthalene	6.310	142	65942	20.49	ppm	96
40) 1,2,4,5-Tetrachloroben...	6.398	216	41287	20.44	ppm	99
44) Pentachloronitrobenzene	8.630	237	10857	20.20	ppm	95
45) Hexachlorocyclopentadiene	6.421	237	25001	20.60	ppm	98
46) 2,4,6-Trichlorophenol	6.492	196	25827	21.17	ppm	99
47) 2,4,5-Trichlorophenol	6.527	196	27046	20.63	ppm	99
49) 2-Chloronaphthalene	6.662	162	67821	20.73	ppm	97
50) Acenaphthylene	7.056	152	106515	20.46	ppm	99
51) Dimethylphthalate	6.973	163	79221	20.38	ppm	99
52) 2,4-Dinitrotoluene	7.414	165	22688	21.20	ppm	97
53) Acenaphthene	7.232	153	68825	20.84	ppm	98
54) 2,4-Dinitrophenol	7.267	184	10289	16.59	ppm	96
55) Dibenzofuran	7.385	168	101880	20.38	ppm	98
56) 2,6-Dinitrotoluene	7.038	165	17570	21.07	ppm	72
57) 4-Nitrophenol	7.320	65	14439	20.96	ppm	91
58) 2,3,4,6-Tetrachlorophenol	7.543	232	23834	20.76	ppm	100
59) Fluorene	7.720	166	78660	20.66	ppm	98
60) 4-Chlorophenyl-phenyle...	7.714	204	43284	20.44	ppm	93
61) Diethylphthalate	7.655	149	76344	19.43	ppm	99
62) 2-nitroaniline	6.780	138	21264	20.99	ppm	89
63) 3-nitroaniline	7.173	138	18297	20.92	ppm	96
64) 4-nitroaniline	7.767	138	18482	20.85	ppm	81
68) 4,6-Dinitro-2-methylph...	7.808	198	15365	20.47	ppm	100
69) n-Nitrosodiphenylamine	7.837	169	57139	20.93	ppm	97
70) 1,2-Diphenylhydrazine	7.872	77	72490	20.58	ppm	95
72) 4-Bromophenyl-phenylether	8.207	248	26957	20.04	ppm	95
73) Hexachlorobenzene	8.366	284	28419	20.56	ppm	89
74) Pentachlorophenol	8.548	266	19044	19.80	ppm	98
75) Phenanthrene	8.706	178	118288	20.58	ppm	99
76) Anthracene	8.753	178	122953	20.98	ppm	99
77) Carbazole	8.924	167	107571	21.07	ppm	98
78) Di-n-butylphthalate	9.364	149	122995	20.48	ppm	99
79) Fluoranthene	9.964	202	123764	20.97	ppm	98
83) Benzidine	10.099	184	48017	22.07	ppm	97
84) Pyrene	10.187	202	129810	21.08	ppm	99
86) 3,3-Dimethylbenzidine	10.868	212	69089	21.55	ppm	100
87) Butylbenzylphthalate	10.909	149	47298	21.41	ppm	98
88) 3,3'-Dichlorobenzidine	11.450	252	46745	21.33	ppm	99
89) Benzo[a]anthracene	11.456	228	119775	20.69	ppm	96
90) Chrysene	11.503	228	119941	21.03	ppm	100
91) bis(2-Ethylhexyl)phtha...	11.579	149	62631	21.26	ppm	97

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65353.D
Acq On : 1 Jul 2013 5:48 pm
Operator : kristinr
Sample : IC3031-20
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 10 07:00:02 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:31:37 2013
Response via : Initial Calibration

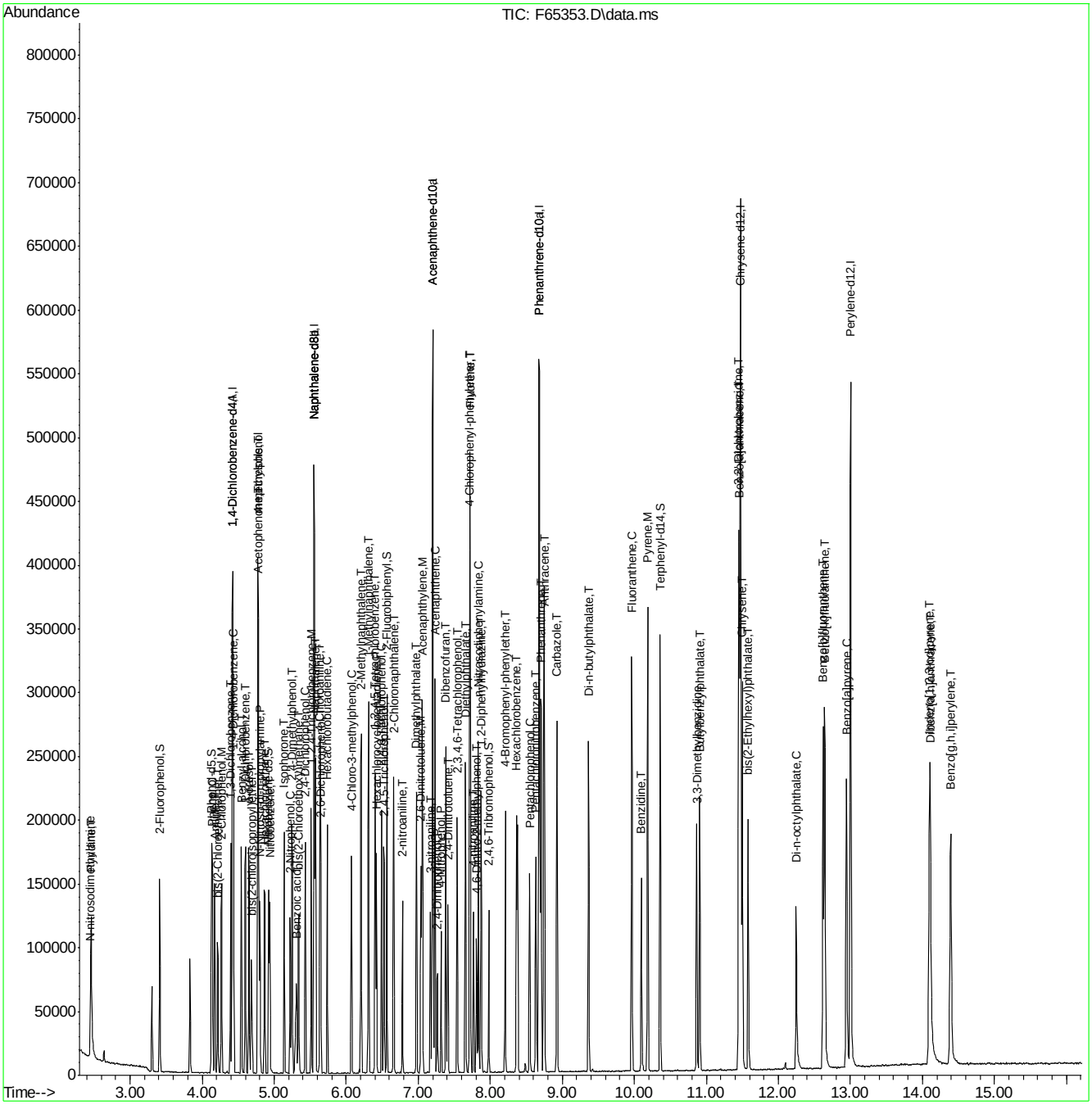
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.249	149	88090	21.03	ppm	98
94) Benzo[b]fluoranthene	12.619	252	116402	21.93	ppm	98
95) Benzo[k]fluoranthene	12.642	252	132465	21.60	ppm	97
96) Benzo[a]pyrene	12.948	252	114478	23.18	ppm	96
97) Indeno[1,2,3-cd]pyrene	14.099	276	133022	22.29	ppm	85
98) Dibenz[a,h]anthracene	14.111	278	107342	22.80	ppm	98
99) Benzo[g,h,i]perylene	14.393	276	115710	22.49	ppm	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65353.D
Acq On : 1 Jul 2013 5:48 pm
Operator : kristinr
Sample : IC3031-20
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 10 07:00:02 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:31:37 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65354.D
Acq On : 1 Jul 2013 6:12 pm
Operator : kristinr
Sample : IC3031-80
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 10 07:00:24 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:34:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.420	152	58307	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.420	152	58307	40.00	PPM	0.00
23) Naphthalene-d8	5.554	136	215255	40.00	ppm	0.00
41) Naphthalene-d8a	5.554	136	215255	40.00	ppm	0.00
43) Acenaphthene-d10	7.204	164	130299	40.00	ppm	0.00
65) Acenaphthene-d10a	7.204	164	130299	40.00	ppm	0.00
67) Phenanthrene-d10	8.685	188	237464	40.00	ppm	0.00
80) Phenanthrene-d10a	8.685	188	237464	40.00	ppm	0.00
82) Chrysene-d12	11.475	240	245359	40.00	ppm	0.00
92) Perylene-d12	13.008	264	230879	40.00	ppm	0.00
100) Naphthalene-d8b	5.554	136	216227m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.410	112	133550	78.54	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 78.54%			
7) Phenol-d5	4.138	99	170258	78.59	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 78.59%			
24) Nitrobenzene-d5	4.925	82	161374	81.39	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 162.78%#			
48) 2-Fluorobiphenyl	6.564	172	349857	80.15	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 160.30%#			
71) 2,4,6-Tribromophenol	7.980	330	61721	84.92	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 84.92%			
85) Terphenyl-d14	10.359	244	415631	80.35	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 160.70%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.446	74	88670	78.72	ug/l	93
3) Pyridine	2.458	79	160955	79.41	ppm	90
4) Aniline	4.179	93	200226	77.60	ppm #	1
6) bis(2-Chloroethyl)ether	4.220	63	93203	79.24	ppm	93
8) Phenol	4.144	94	172540	79.35	ppm	95
9) 2-Chlorophenol	4.273	128	142841	79.50	ppm	100
10) 1,3-Dichlorobenzene	4.396	146	166216	78.75	ppm	99
11) 1,4-Dichlorobenzene	4.438	146	176375	78.02	ppm	97
12) 1,2-Dichlorobenzene	4.596	146	159920	78.98	ppm	98
13) Benzyl alcohol	4.549	108	93910	80.82	ppm	93
14) bis(2-chloroisopropyl)...	4.684	45	113484	76.86	ppm	97
15) o-cresol	4.655	108	126181m	36.23	ppm	
16) Acetophenone	4.790	105	209111	79.84	ppm	98
17) Hexachloroethane	4.866	117	62679	80.11	ppm	86
18) N-Nitroso-di-n-propyla...	4.808	70	104609	80.55	ppm	96
19) m+p-cresols	4.784	108	278325	159.84	ppm	95
20) 4-methylphenol	4.784	108	278325	159.84	ppm	95
25) Nitrobenzene	4.943	77	158214	78.30	ppm	93
26) Isophorone	5.143	82	268977	80.66	ppm	98
27) 2-Nitrophenol	5.225	139	82224	82.62	ppm	90
28) 2,4-Dimethylphenol	5.254	107	151942	80.00	ppm	95
29) bis(2-Chloroethoxy)met...	5.342	93	159153	80.45	ppm	100

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65354.D
Acq On : 1 Jul 2013 6:12 pm
Operator : kristinr
Sample : IC3031-80
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 10 07:00:24 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:34:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.354	105	118927	88.97	ppm		94
31) 2,4-Dichlorophenol	5.436	162	132363	80.19	ppm		99
32) 1,2,4-Trichlorobenzene	5.519	180	149746	78.11	ppm		98
33) Naphthalene	5.577	128	416500	78.53	ppm		97
34) 2,6-Dichlorophenol	5.648	162	131757	79.77	ppm		98
35) 4-Chloroaniline	5.636	127	181664	80.36	ppm		100
36) Hexachlorobutadiene	5.736	225	99310	79.41	ppm		98
37) 4-Chloro-3-methylphenol	6.077	107	133651	82.25	ppm		96
38) 2-Methylnaphthalene	6.206	142	286838	78.04	ppm		98
39) 1-Methylnaphthalene	6.312	142	274678	76.69	ppm		96
40) 1,2,4,5-Tetrachloroben...	6.400	216	176249	78.44	ppm		97
44) Pentachloronitrobenzene	8.638	237	47585	83.39	ppm		97
45) Hexachlorocyclopentadiene	6.423	237	117577	90.87	ppm		99
46) 2,4,6-Trichlorophenol	6.494	196	111068	84.80	ppm		99
47) 2,4,5-Trichlorophenol	6.529	196	117138	83.76	ppm		98
49) 2-Chloronaphthalene	6.664	162	288124	82.61	ppm		97
50) Acenaphthylene	7.058	152	455479	82.28	ppm		98
51) Dimethylphthalate	6.981	163	330579	80.04	ppm		99
52) 2,4-Dinitrotoluene	7.416	165	100242	87.21	ppm		99
53) Acenaphthene	7.234	153	285357	80.98	ppm		98
54) 2,4-Dinitrophenol	7.269	184	54816	91.31	ppm		94
55) Dibenzofuran	7.387	168	430597	81.07	ppm		99
56) 2,6-Dinitrotoluene	7.046	165	77693	86.89	ppm	#	63
57) 4-Nitrophenol	7.322	65	63022	85.09	ppm		86
58) 2,3,4,6-Tetrachlorophenol	7.545	232	104522	85.21	ppm		98
59) Fluorene	7.721	166	337152	83.13	ppm		99
60) 4-Chlorophenyl-phenyle...	7.716	204	186620	82.91	ppm		94
61) Diethylphthalate	7.663	149	317780	76.88	ppm		98
62) 2-nitroaniline	6.787	138	94092	86.69	ppm		98
63) 3-nitroaniline	7.175	138	78943	84.01	ppm		89
64) 4-nitroaniline	7.780	138	79537	83.61	ppm		91
68) 4,6-Dinitro-2-methylph...	7.815	198	73484	91.68	ppm		100
69) n-Nitrosodiphenylamine	7.845	169	240629	82.44	ppm		97
70) 1,2-Diphenylhydrazine	7.874	77	304261	81.05	ppm		97
72) 4-Bromophenyl-phenylether	8.209	248	116619	81.80	ppm		95
73) Hexachlorobenzene	8.368	284	122082	82.90	ppm		91
74) Pentachlorophenol	8.550	266	88141	86.78	ppm		100
75) Phenanthrene	8.708	178	486954	79.51	ppm		99
76) Anthracene	8.755	178	516553	82.38	ppm		100
77) Carbazole	8.932	167	453738	83.01	ppm		98
78) Di-n-butylphthalate	9.366	149	533337	83.32	ppm		99
79) Fluoranthene	9.971	202	519522	82.28	ppm		97
83) Benzidine	10.101	184	200350	83.97	ppm		96
84) Pyrene	10.189	202	541648	81.41	ppm		96
86) 3,3-Dimethylbenzidine	10.870	212	284702	81.49	ppm		100
87) Butylbenzylphthalate	10.911	149	205811	85.62	ppm		97
88) 3,3'-Dichlorobenzidine	11.452	252	216487	90.88	ppm		99
89) Benzo[a]anthracene	11.458	228	507419	81.44	ppm		97
90) Chrysene	11.505	228	492439	79.93	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.581	149	292469	91.43	ppm		98

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65354.D
Acq On : 1 Jul 2013 6:12 pm
Operator : kristinr
Sample : IC3031-80
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 10 07:00:24 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:34:17 2013
Response via : Initial Calibration

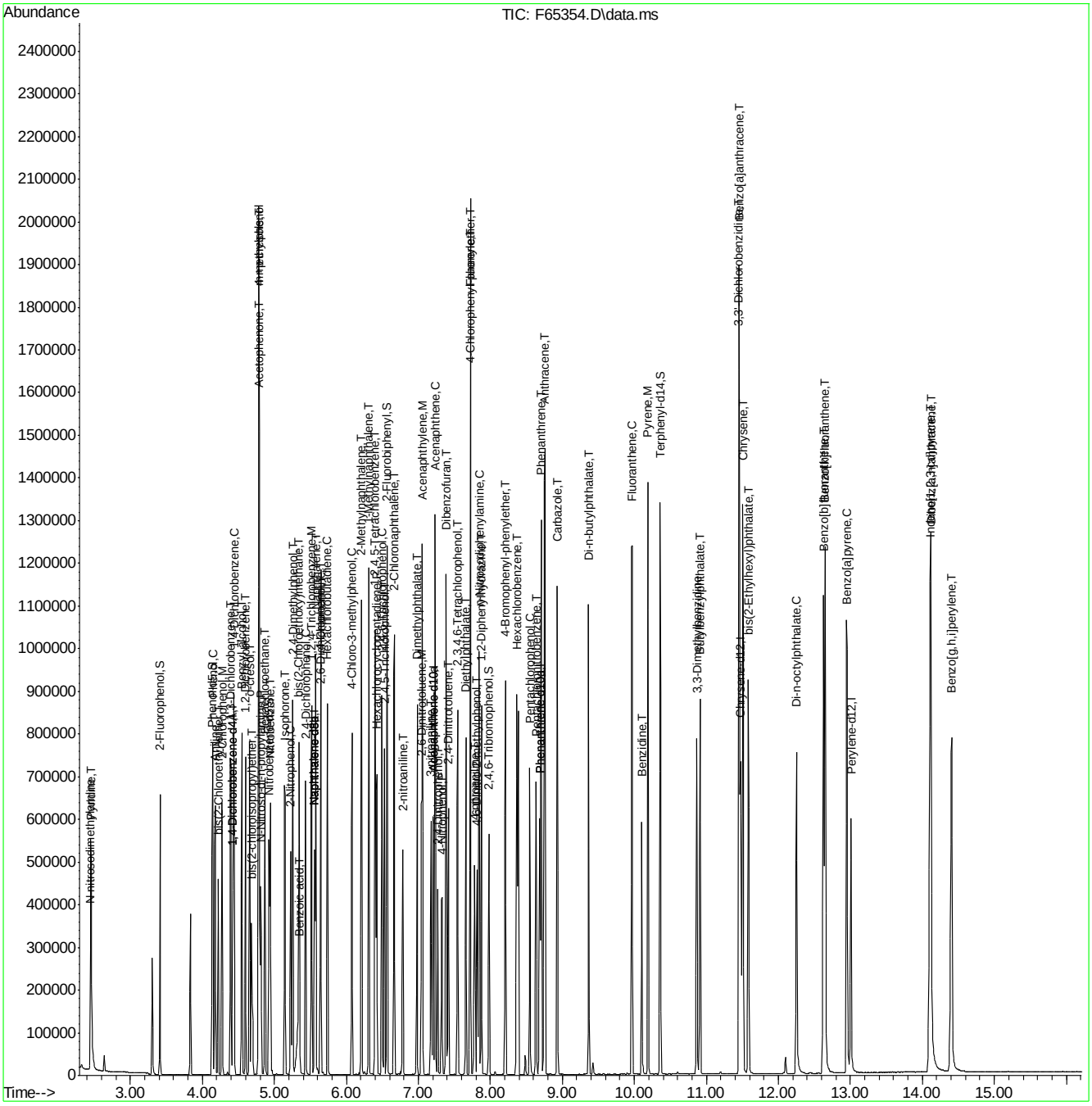
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.251	149	447497	97.16	ppm	100
94) Benzo[b]fluoranthene	12.627	252	529863	90.22	ppm	98
95) Benzo[k]fluoranthene	12.650	252	534636	79.04	ppm	98
96) Benzo[a]pyrene	12.956	252	494513	89.38	ppm	95
97) Indeno[1,2,3-cd]pyrene	14.107	276	618045	93.27	ppm	89
98) Dibenz[a,h]anthracene	14.119	278	496330	94.45	ppm	99
99) Benzo[g,h,i]perylene	14.406	276	514044	89.80	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65354.D
Acq On : 1 Jul 2013 6:12 pm
Operator : kristinr
Sample : IC3031-80
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 10 07:00:24 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:34:17 2013
Response via : Initial Calibration



F65355.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65355.D
Acq On : 1 Jul 2013 6:36 pm
Operator : kristinr
Sample : IC3031-120
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 10 07:00:53 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:35:40 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.420	152	59845	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.420	152	59845	40.00	PPM		0.00
23) Naphthalene-d8	5.560	136	212721	40.00	ppm		0.00
41) Naphthalene-d8a	5.560	136	212721	40.00	ppm		0.00
43) Acenaphthene-d10	7.205	164	130307	40.00	ppm		0.00
65) Acenaphthene-d10a	7.205	164	130307	40.00	ppm		0.00
67) Phenanthrene-d10	8.685	188	226647	40.00	ppm		0.00
80) Phenanthrene-d10a	8.685	188	226647	40.00	ppm		0.00
82) Chrysene-d12	11.481	240	221389	40.00	ppm		0.00
92) Perylene-d12	13.009	264	210724	40.00	ppm		0.00
100) Naphthalene-d8b	5.560	136	212721	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.410	112	209096	120.17	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 120.17%				
7) Phenol-d5	4.138	99	262531	118.42	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 118.42%				
24) Nitrobenzene-d5	4.925	82	246450	125.42	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 250.84%#				
48) 2-Fluorobiphenyl	6.570	172	532269	121.89	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 243.78%#				
71) 2,4,6-Tribromophenol	7.986	330	94204	134.14	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 134.14%#				
85) Terphenyl-d14	10.359	244	592084	126.76	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 253.52%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.446	74	139003	120.62	ug/l		92
3) Pyridine	2.452	79	248653	119.70	ppm		96
4) Aniline	4.179	93	311261	118.13	ppm	#	1
6) bis(2-Chloroethyl)ether	4.221	63	144249	119.68	ppm		91
8) Phenol	4.150	94	270190	121.23	ppm		98
9) 2-Chlorophenol	4.273	128	224779	122.02	ppm		100
10) 1,3-Dichlorobenzene	4.397	146	259358	120.04	ppm		99
11) 1,4-Dichlorobenzene	4.438	146	274237	118.68	ppm		98
12) 1,2-Dichlorobenzene	4.602	146	248182	119.67	ppm		99
13) Benzyl alcohol	4.550	108	145598	121.84	ppm		93
14) bis(2-chloroisopropyl)...	4.685	45	175506	116.57	ppm		97
15) o-cresol	4.655	108	194451m	54.41	ppm		
16) Acetophenone	4.790	105	318263	118.43	ppm		90
17) Hexachloroethane	4.867	117	98049	122.07	ppm		87
18) N-Nitroso-di-n-propyla...	4.814	70	160903	120.57	ppm		95
19) m+p-cresols	4.790	108	432475	242.02	ppm		99
20) 4-methylphenol	4.790	108	432475	242.02	ppm		99
25) Nitrobenzene	4.943	77	245803	123.53	ppm		92
26) Isophorone	5.149	82	403344	122.22	ppm		98
27) 2-Nitrophenol	5.231	139	127281	128.58	ppm		98
28) 2,4-Dimethylphenol	5.254	107	231177	123.17	ppm		94
29) bis(2-Chloroethoxy)met...	5.343	93	241531	123.40	ppm		99

ACCUTEST LABORATORIES MC23228

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65355.D
Acq On : 1 Jul 2013 6:36 pm
Operator : kristinr
Sample : IC3031-120
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 10 07:00:53 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:35:40 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.366	105	183901	135.42	ppm	94
31) 2,4-Dichlorophenol	5.437	162	202497	124.08	ppm	98
32) 1,2,4-Trichlorobenzene	5.519	180	235455	124.77	ppm	98
33) Naphthalene	5.578	128	634658	121.46	ppm	97
34) 2,6-Dichlorophenol	5.648	162	202555	124.17	ppm	99
35) 4-Chloroaniline	5.642	127	277580	124.14	ppm	100
36) Hexachlorobutadiene	5.742	225	152513	123.55	ppm	97
37) 4-Chloro-3-methylphenol	6.077	107	199914	123.79	ppm	95
38) 2-Methylnaphthalene	6.212	142	440286	121.71	ppm	98
39) 1-Methylnaphthalene	6.312	142	428325	121.85	ppm	97
40) 1,2,4,5-Tetrachloroben...	6.406	216	266273	120.30	ppm	100
44) Pentachloronitrobenzene	8.638	237	70460	122.17	ppm	97
45) Hexachlorocyclopentadiene	6.423	237	183841	138.31	ppm	99
46) 2,4,6-Trichlorophenol	6.494	196	166730	125.78	ppm	99
47) 2,4,5-Trichlorophenol	6.529	196	177178	125.51	ppm	98
49) 2-Chloronaphthalene	6.664	162	431309	122.99	ppm	97
50) Acenaphthylene	7.058	152	682414	122.69	ppm	98
51) Dimethylphthalate	6.981	163	501693	121.46	ppm	100
52) 2,4-Dinitrotoluene	7.422	165	147586	126.12	ppm	91
53) Acenaphthene	7.234	153	428250	121.28	ppm	98
54) 2,4-Dinitrophenol	7.269	184	84398	134.25	ppm	92
55) Dibenzofuran	7.387	168	631725	118.67	ppm	99
56) 2,6-Dinitrotoluene	7.046	165	118195	129.94	ppm	69
57) 4-Nitrophenol	7.328	65	92901	123.46	ppm	89
58) 2,3,4,6-Tetrachlorophenol	7.545	232	157993	127.13	ppm	99
59) Fluorene	7.728	166	497126	121.78	ppm	99
60) 4-Chlorophenyl-phenyle...	7.722	204	276047	121.90	ppm	99
61) Diethylphthalate	7.663	149	471338	114.76	ppm	99
62) 2-nitroaniline	6.788	138	140961	127.73	ppm	95
63) 3-nitroaniline	7.181	138	116810	122.76	ppm	95
64) 4-nitroaniline	7.786	138	114629	119.15	ppm	89
68) 4,6-Dinitro-2-methylph...	7.822	198	109676	138.31	ppm	100
69) n-Nitrosodiphenylamine	7.845	169	360363	128.70	ppm	97
70) 1,2-Diphenylhydrazine	7.880	77	447512	124.63	ppm	99
72) 4-Bromophenyl-phenylether	8.209	248	172649	126.41	ppm	94
73) Hexachlorobenzene	8.368	284	180268	127.49	ppm	92
74) Pentachlorophenol	8.550	266	129084	130.39	ppm	96
75) Phenanthrene	8.709	178	701593	120.15	ppm	99
76) Anthracene	8.761	178	755636	125.64	ppm	100
77) Carbazole	8.932	167	651999	124.19	ppm	98
78) Di-n-butylphthalate	9.367	149	770283	125.04	ppm	99
79) Fluoranthene	9.972	202	743397	122.77	ppm	100
83) Benzidine	10.101	184	277894	127.81	ppm	97
84) Pyrene	10.195	202	762177	126.58	ppm	100
86) 3,3-Dimethylbenzidine	10.870	212	397023	125.48	ppm	100
87) Butylbenzylphthalate	10.911	149	292985	133.21	ppm	95
88) 3,3'-Dichlorobenzidine	11.458	252	300906	136.29	ppm	97
89) Benzo[a]anthracene	11.464	228	710527	126.00	ppm	98
90) Chrysene	11.511	228	672927	121.08	ppm	98
91) bis(2-Ethylhexyl)phtha...	11.581	149	414540	139.64	ppm	99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65355.D
Acq On : 1 Jul 2013 6:36 pm
Operator : kristinr
Sample : IC3031-120
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 10 07:00:53 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:35:40 2013
Response via : Initial Calibration

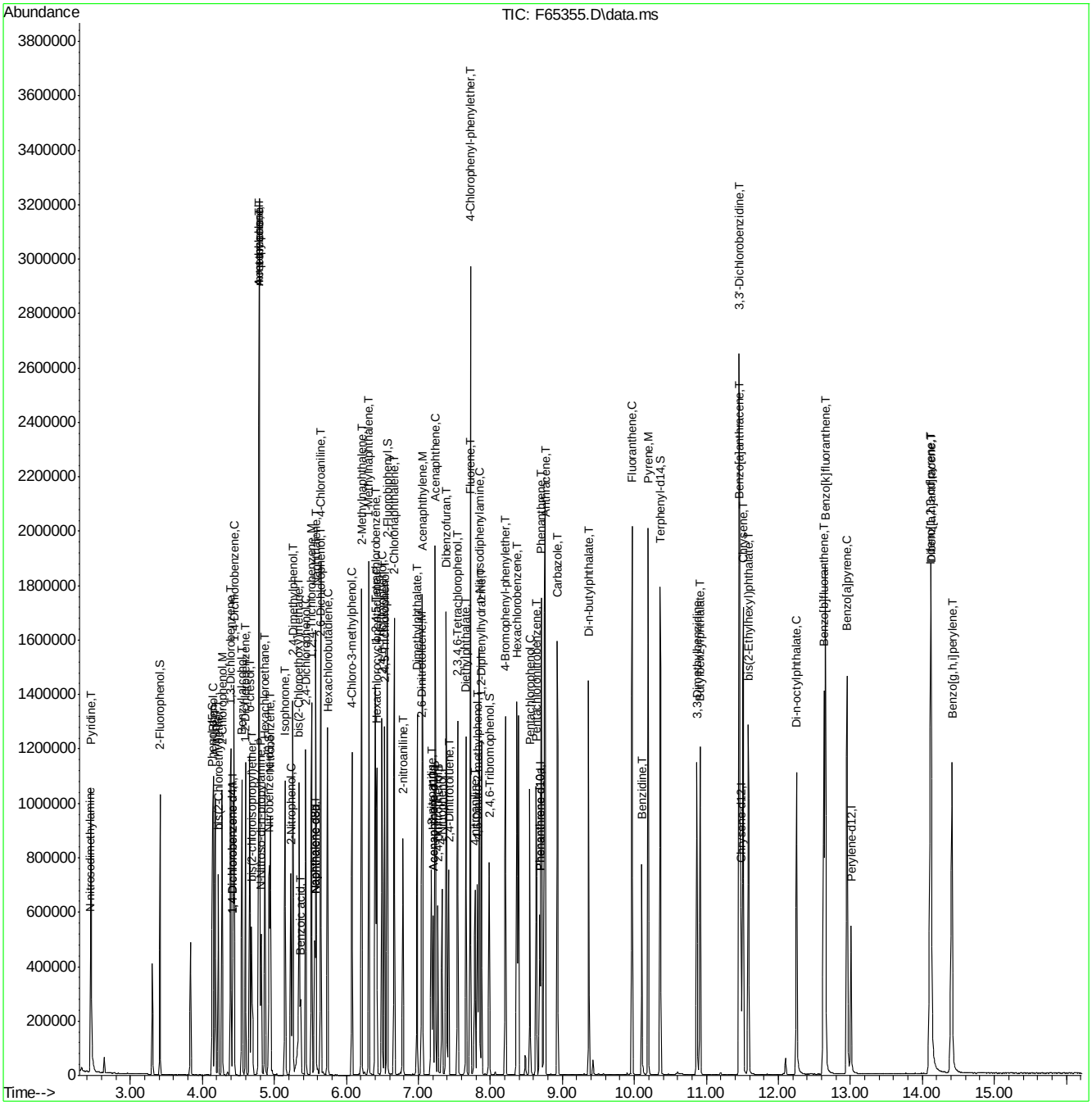
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.251	149	649008	148.04	ppm	99
94) Benzo[b]fluoranthene	12.633	252	798606	145.88	ppm	97
95) Benzo[k]fluoranthene	12.656	252	689168	111.86	ppm	98
96) Benzo[a]pyrene	12.956	252	688227	133.68	ppm	96
97) Indeno[1,2,3-cd]pyrene	14.113	276	918700	147.81	ppm	89
98) Dibenz[a,h]anthracene	14.125	278	732239	148.21	ppm	98
99) Benzo[g,h,i]perylene	14.413	276	762354	143.00	ppm	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65355.D
Acq On : 1 Jul 2013 6:36 pm
Operator : kristinr
Sample : IC3031-120
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 10 07:00:53 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:35:40 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Doug Yargeau
07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65356.D
Acq On : 1 Jul 2013 7:00 pm
Operator : kristinr
Sample : IC3031-160
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 07:01:15 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:36:46 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.426	152	54533	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.426	152	54533	40.00	PPM		0.00
23) Naphthalene-d8	5.560	136	199229	40.00	ppm		0.00
41) Naphthalene-d8a	5.560	136	199229	40.00	ppm		0.00
43) Acenaphthene-d10	7.204	164	122276	40.00	ppm		0.00
65) Acenaphthene-d10a	7.204	164	122276	40.00	ppm		0.00
67) Phenanthrene-d10	8.685	188	219201	40.00	ppm		0.00
80) Phenanthrene-d10a	8.685	188	219201	40.00	ppm		0.00
82) Chrysene-d12	11.481	240	226011	40.00	ppm		0.00
92) Perylene-d12	13.008	264	220844	40.00	ppm		0.00
100) Naphthalene-d8b	5.560	136	198203m	40.00	ug/mL		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.410	112	258710	163.13	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 163.13%#				
7) Phenol-d5	4.138	99	331616	164.46	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 164.46%#				
24) Nitrobenzene-d5	4.931	82	310355	167.56	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 335.12%#				
48) 2-Fluorobiphenyl	6.570	172	667681	162.58	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 325.16%#				
71) 2,4,6-Tribromophenol	7.986	330	122126	176.35	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 176.35%#				
85) Terphenyl-d14	10.365	244	759944	158.09	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 316.18%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.452	74	179014	170.32	ug/l		100
3) Pyridine	2.458	79	317890	168.01	ppm		90
4) Aniline	4.179	93	400110	167.01	ppm	#	1
6) bis(2-Chloroethyl)ether	4.220	63	181708	165.50	ppm		90
8) Phenol	4.150	94	343571	168.92	ppm		95
9) 2-Chlorophenol	4.273	128	286825	170.46	ppm		98
10) 1,3-Dichlorobenzene	4.396	146	328513	166.85	ppm		99
11) 1,4-Dichlorobenzene	4.438	146	346197	164.67	ppm		97
12) 1,2-Dichlorobenzene	4.602	146	313201	165.80	ppm		99
13) Benzyl alcohol	4.555	108	183188	167.79	ppm		94
14) bis(2-chloroisopropyl)...	4.684	45	220248	161.20	ppm		96
15) o-cresol	4.655	108	248151m	76.11	ppm		
16) Acetophenone	4.796	105	401412	164.23	ppm		97
17) Hexachloroethane	4.866	117	124520	169.71	ppm		90
18) N-Nitroso-di-n-propyla...	4.825	70	200449	164.73	ppm		94
19) m+p-cresols	4.790	108	544273	333.86	ppm		95
20) 4-methylphenol	4.790	108	544273	333.86	ppm		95
25) Nitrobenzene	4.949	77	311250	166.32	ppm		96
26) Isophorone	5.154	82	517856	167.10	ppm		95
27) 2-Nitrophenol	5.231	139	161495	172.14	ppm		97
28) 2,4-Dimethylphenol	5.254	107	296326	167.84	ppm		93
29) bis(2-Chloroethoxy)met...	5.342	93	305861	166.07	ppm		99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65356.D
Acq On : 1 Jul 2013 7:00 pm
Operator : kristinr
Sample : IC3031-160
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 07:01:15 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:36:46 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.378	105	240900	184.66	ppm	94
31) 2,4-Dichlorophenol	5.436	162	263721	171.57	ppm	97
32) 1,2,4-Trichlorobenzene	5.518	180	291616	164.06	ppm	98
33) Naphthalene	5.577	128	816538	166.56	ppm	96
34) 2,6-Dichlorophenol	5.648	162	258308	168.10	ppm	99
35) 4-Chloroaniline	5.642	127	359514	170.69	ppm	100
36) Hexachlorobutadiene	5.742	225	193099	166.32	ppm	98
37) 4-Chloro-3-methylphenol	6.077	107	256180	168.49	ppm	93
38) 2-Methylnaphthalene	6.212	142	561904	165.51	ppm	97
39) 1-Methylnaphthalene	6.312	142	537621	162.94	ppm	96
40) 1,2,4,5-Tetrachloroben...	6.406	216	334270	161.19	ppm	100
44) Pentachloronitrobenzene	8.644	237	90016	165.73	ppm	98
45) Hexachlorocyclopentadiene	6.423	237	236014	184.54	ppm	98
46) 2,4,6-Trichlorophenol	6.494	196	215924	172.20	ppm	98
47) 2,4,5-Trichlorophenol	6.529	196	227731	170.61	ppm	99
49) 2-Chloronaphthalene	6.664	162	550749	166.77	ppm	95
50) Acenaphthylene	7.058	152	876206	167.34	ppm	97
51) Dimethylphthalate	6.987	163	637884	164.28	ppm	99
52) 2,4-Dinitrotoluene	7.422	165	193904	175.09	ppm	98
53) Acenaphthene	7.234	153	548525	165.29	ppm	98
54) 2,4-Dinitrophenol	7.275	184	111439	183.46	ppm	98
55) Dibenzofuran	7.387	168	809986	162.40	ppm	98
56) 2,6-Dinitrotoluene	7.046	165	152384	176.09	ppm	75
57) 4-Nitrophenol	7.334	65	121646	171.30	ppm	92
58) 2,3,4,6-Tetrachlorophenol	7.545	232	204678	173.79	ppm	98
59) Fluorene	7.727	166	650780	169.53	ppm	100
60) 4-Chlorophenyl-phenyle...	7.721	204	357661	167.93	ppm	97
61) Diethylphthalate	7.663	149	606402	158.33	ppm	98
62) 2-nitroaniline	6.787	138	186351	178.03	ppm	93
63) 3-nitroaniline	7.181	138	153016	170.59	ppm	89
64) 4-nitroaniline	7.792	138	153598	170.38	ppm	90
68) 4,6-Dinitro-2-methylph...	7.827	198	147485	186.62	ppm	100
69) n-Nitrosodiphenylamine	7.851	169	468006	171.05	ppm	97
70) 1,2-Diphenylhydrazine	7.880	77	579420	165.93	ppm	99
72) 4-Bromophenyl-phenylether	8.209	248	226801	170.40	ppm	95
73) Hexachlorobenzene	8.368	284	232596	168.58	ppm	93
74) Pentachlorophenol	8.556	266	175156	179.83	ppm	99
75) Phenanthrene	8.714	178	929677	164.58	ppm	99
76) Anthracene	8.761	178	974892	166.48	ppm	100
77) Carbazole	8.937	167	864622	169.44	ppm	97
78) Di-n-butylphthalate	9.372	149	990565	165.11	ppm	99
79) Fluoranthene	9.971	202	961492	163.64	ppm	96
83) Benzidine	10.106	184	374039	168.51	ppm	97
84) Pyrene	10.195	202	1000344	161.48	ppm	97
86) 3,3-Dimethylbenzidine	10.870	212	525651	162.73	ppm	100
87) Butylbenzylphthalate	10.917	149	392393	171.61	ppm	94
88) 3,3'-Dichlorobenzidine	11.458	252	412439	178.93	ppm	99
89) Benzo[a]anthracene	11.463	228	949488	163.76	ppm	98
90) Chrysene	11.510	228	915776	161.19	ppm	98
91) bis(2-Ethylhexyl)phtha...	11.581	149	552149	177.35	ppm	99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65356.D
Acq On : 1 Jul 2013 7:00 pm
Operator : kristinr
Sample : IC3031-160
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 07:01:15 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:36:46 2013
Response via : Initial Calibration

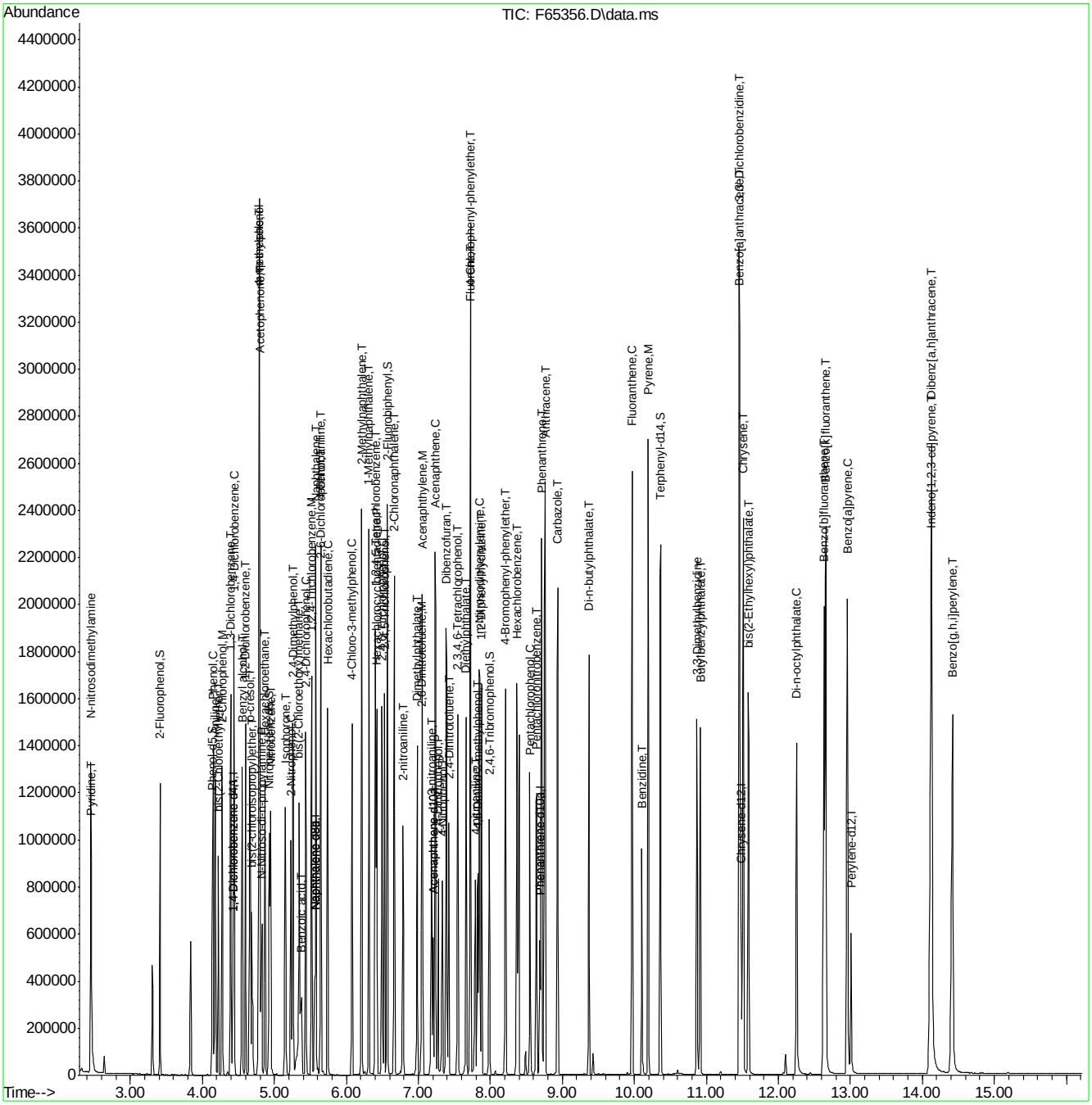
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.251	149	884471	185.29	ppm	100
94) Benzo[b]fluoranthene	12.632	252	1050873	177.69	ppm	98
95) Benzo[k]fluoranthene	12.662	252	1021304	159.72	ppm	97
96) Benzo[a]pyrene	12.961	252	977794	178.32	ppm	96
97) Indeno[1,2,3-cd]pyrene	14.119	276	1338252	198.87	ppm	92
98) Dibenz[a,h]anthracene	14.130	278	1078750	201.57	ppm	99
99) Benzo[g,h,i]perylene	14.424	276	1107552	192.95	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65356.D
Acq On : 1 Jul 2013 7:00 pm
Operator : kristinr
Sample : IC3031-160
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 07:01:15 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:36:46 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Doug Yargeau
07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65358.D
Acq On : 1 Jul 2013 7:47 pm
Operator : kristinr
Sample : IC3031-5
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 03 09:02:03 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:46:28 2013
Response via : Initial Calibration

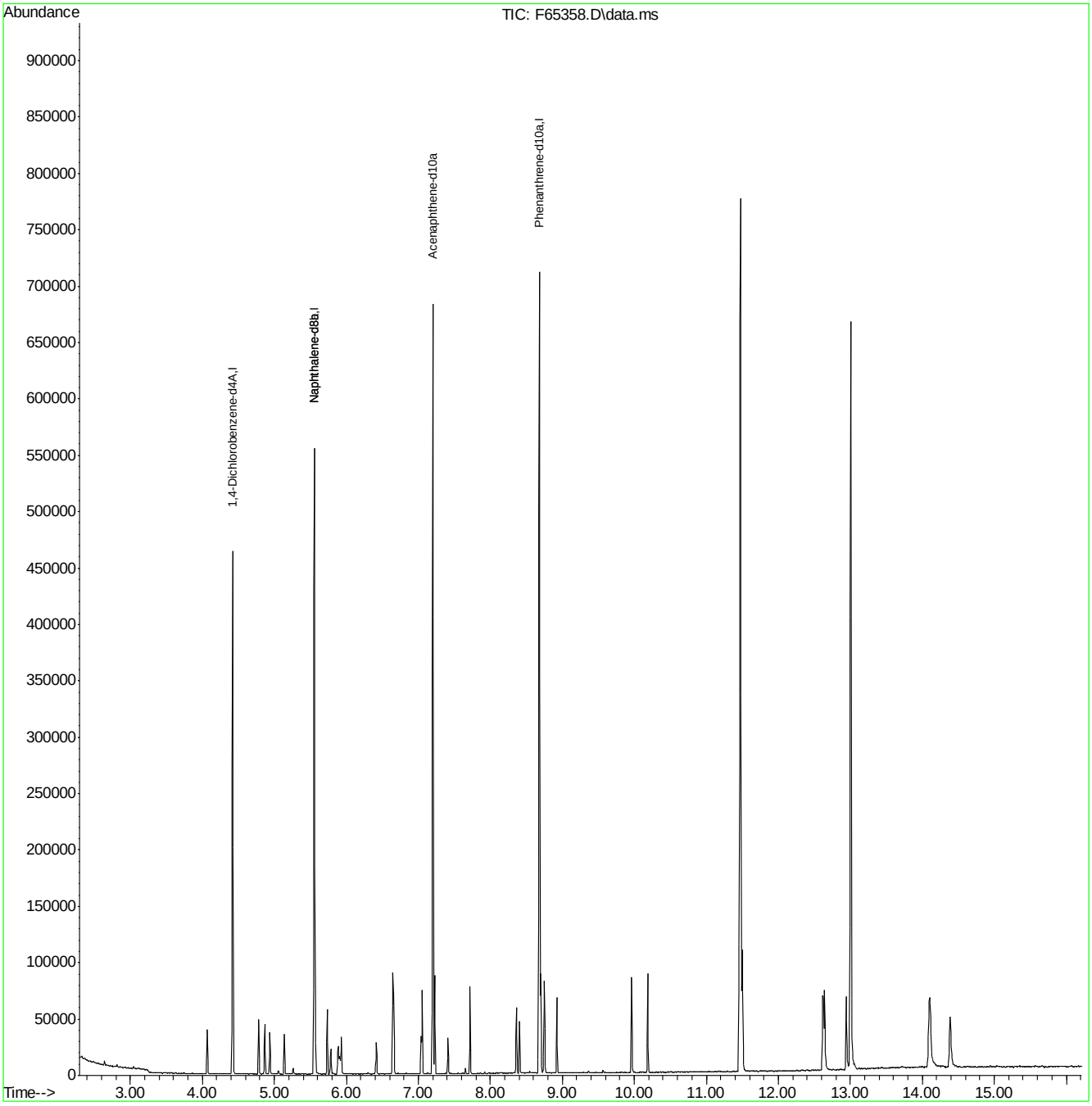
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.421	152	58438	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.555	136	213609	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.199	164	130830	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.680	188	248800	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.555	136	213626m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65358.D
Acq On : 1 Jul 2013 7:47 pm
Operator : kristinr
Sample : IC3031-5
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 03 09:02:03 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:46:28 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Doug Yargeau
07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65359.D
Acq On : 1 Jul 2013 8:11 pm
Operator : kristinr
Sample : IC3031-10
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 03 09:03:25 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:02:14 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.423	152	73604	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.551	136	271779	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.201	164	168762	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.682	188	319238	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.551	136	272083m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.064	77	18331m	10.14	ppm	
42) Caprolactam	5.921	55	7921	10.70	ppm	# 100
66) 1,1'-Biphenyl	6.649	154	58190	10.22	ppm	# 100
81) Atrazine	8.411	200	16508	10.98	ppm	# 100
101) o-Toluic Acid	5.797	118	10025m	12.17	ug/mL	
103) p-Toluic Acid	5.950	91	22818m	11.47	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

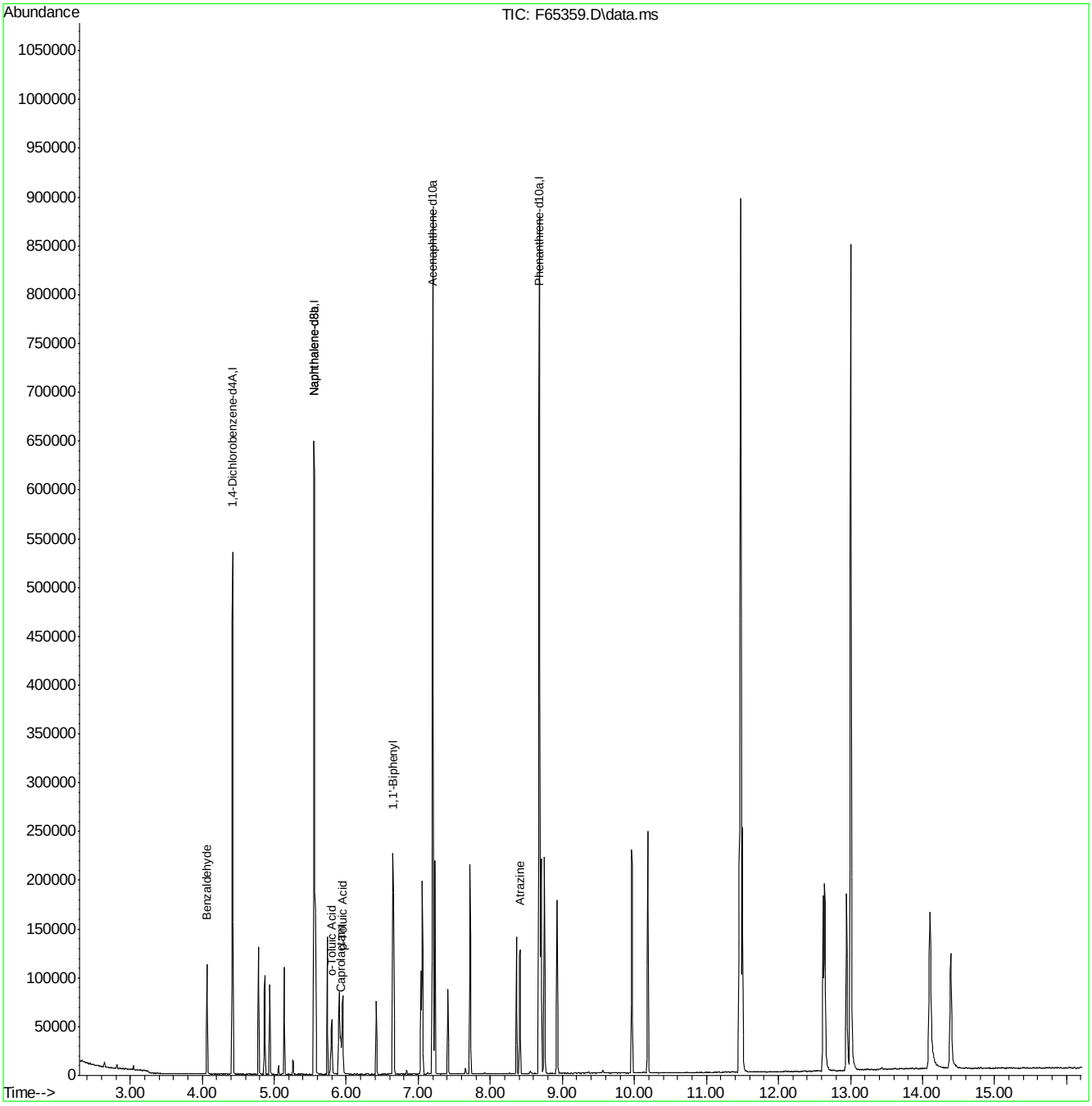
9.6.10

6

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65359.D
Acq On : 1 Jul 2013 8:11 pm
Operator : kristinr
Sample : IC3031-10
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 03 09:03:25 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:02:14 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Doug Yargeau
07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65360.D
Acq On : 1 Jul 2013 8:35 pm
Operator : kristinr
Sample : IC3031-20
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 03 09:17:32 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:05:42 2013
Response via : Initial Calibration

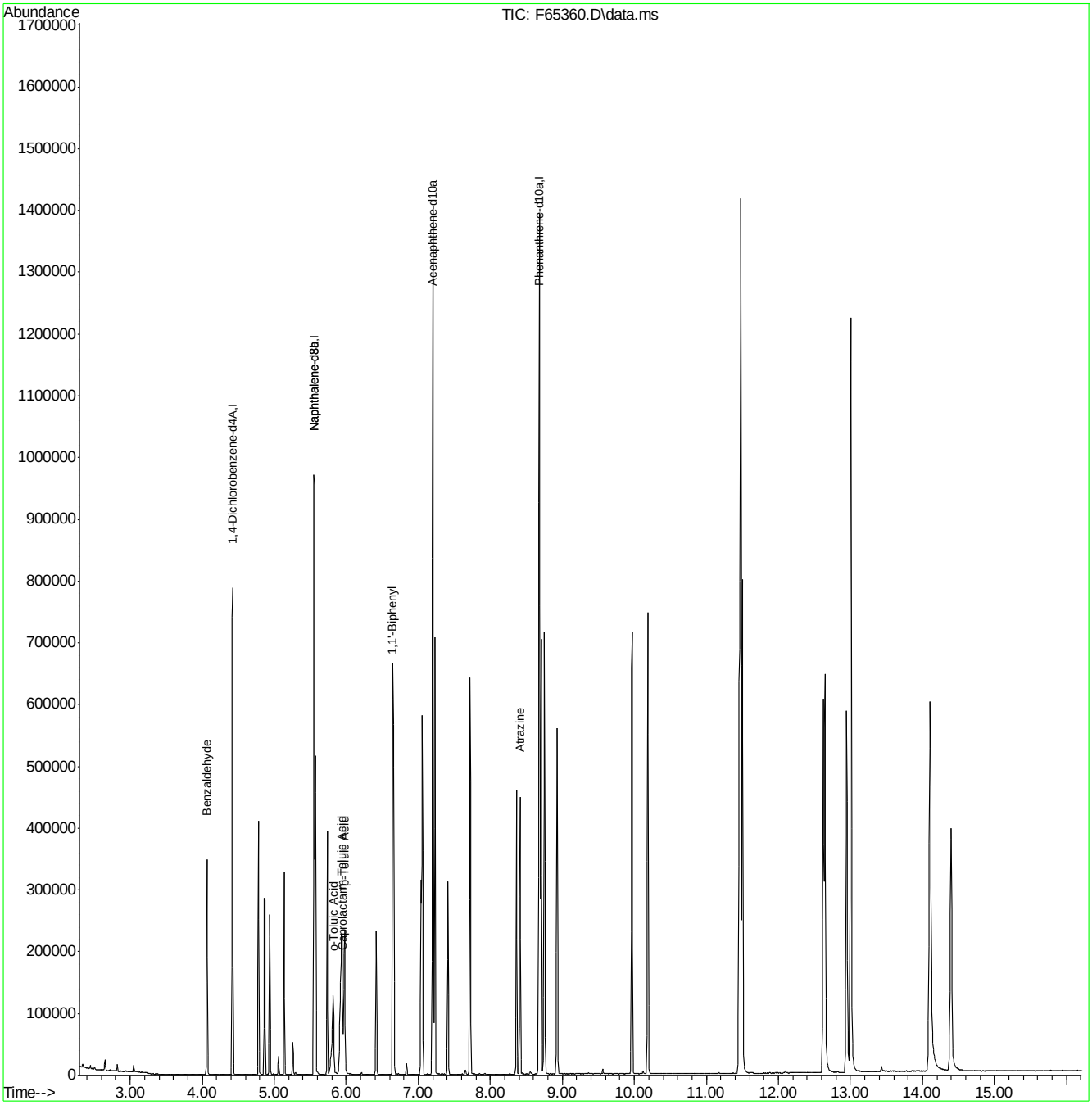
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.423	152	113117	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.551	136	418382	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.202	164	263100	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.682	188	497807	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.551	136	418382	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.065	77	56218	19.74	ppm	99
42) Caprolactam	5.945	55	25313	20.65	ppm	93
66) 1,1'-Biphenyl	6.644	154	177342	19.61	ppm	98
81) Atrazine	8.412	200	54513	21.19	ppm	97
101) o-Toluic Acid	5.821	118	39187m	27.06	ug/mL	
102) m-Toluic Acid	5.933	136	47358m	21.78	ug/mL	
103) p-Toluic Acid	5.980	91	67606m	21.02	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65360.D
Acq On : 1 Jul 2013 8:35 pm
Operator : kristinr
Sample : IC3031-20
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 03 09:17:32 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:05:42 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65361.D
Acq On : 1 Jul 2013 8:58 pm
Operator : kristinr
Sample : IC3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 03 09:17:47 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:03:31 2013
Response via : Initial Calibration

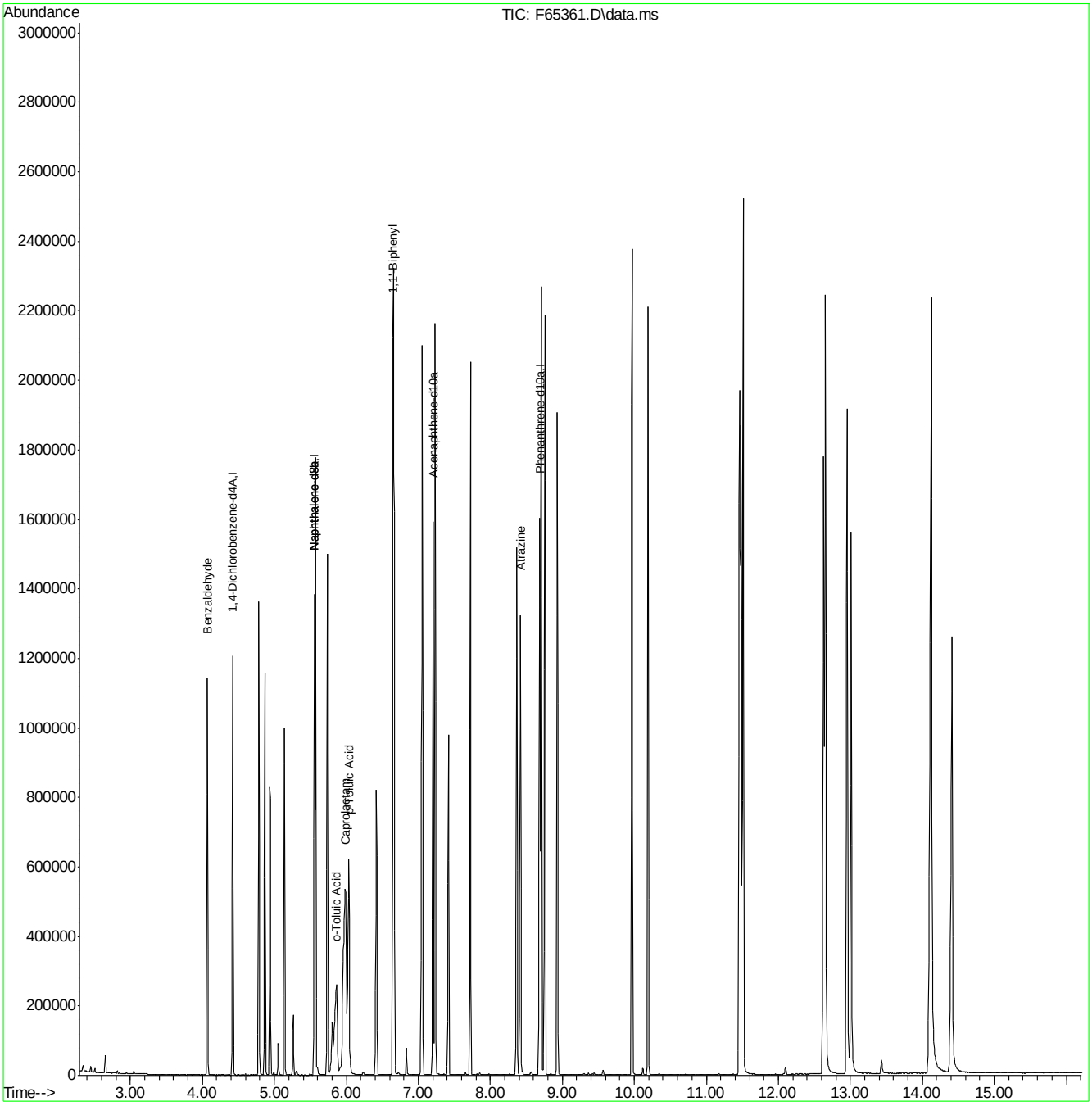
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.421	152	148776	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.554	136	545635	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.205	164	338770	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.685	188	646961	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.554	136	543714m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.068	77	194080m	52.76	ppm	
42) Caprolactam	5.983	55	85963m	55.88	ppm	
66) 1,1'-Biphenyl	6.647	154	590946	51.14	ppm	# 100
81) Atrazine	8.421	200	181927	56.91	ppm	# 100
101) o-Toluic Acid	5.860	118	143667m	78.74	ug/mL	
103) p-Toluic Acid	6.036	91	200306m	46.94	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65361.D
Acq On : 1 Jul 2013 8:58 pm
Operator : kristinr
Sample : IC3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 03 09:17:47 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:03:31 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65362.D
Acq On : 1 Jul 2013 9:22 pm
Operator : kristinr
Sample : IC3031-80
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 03 09:09:04 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:07:05 2013
Response via : Initial Calibration

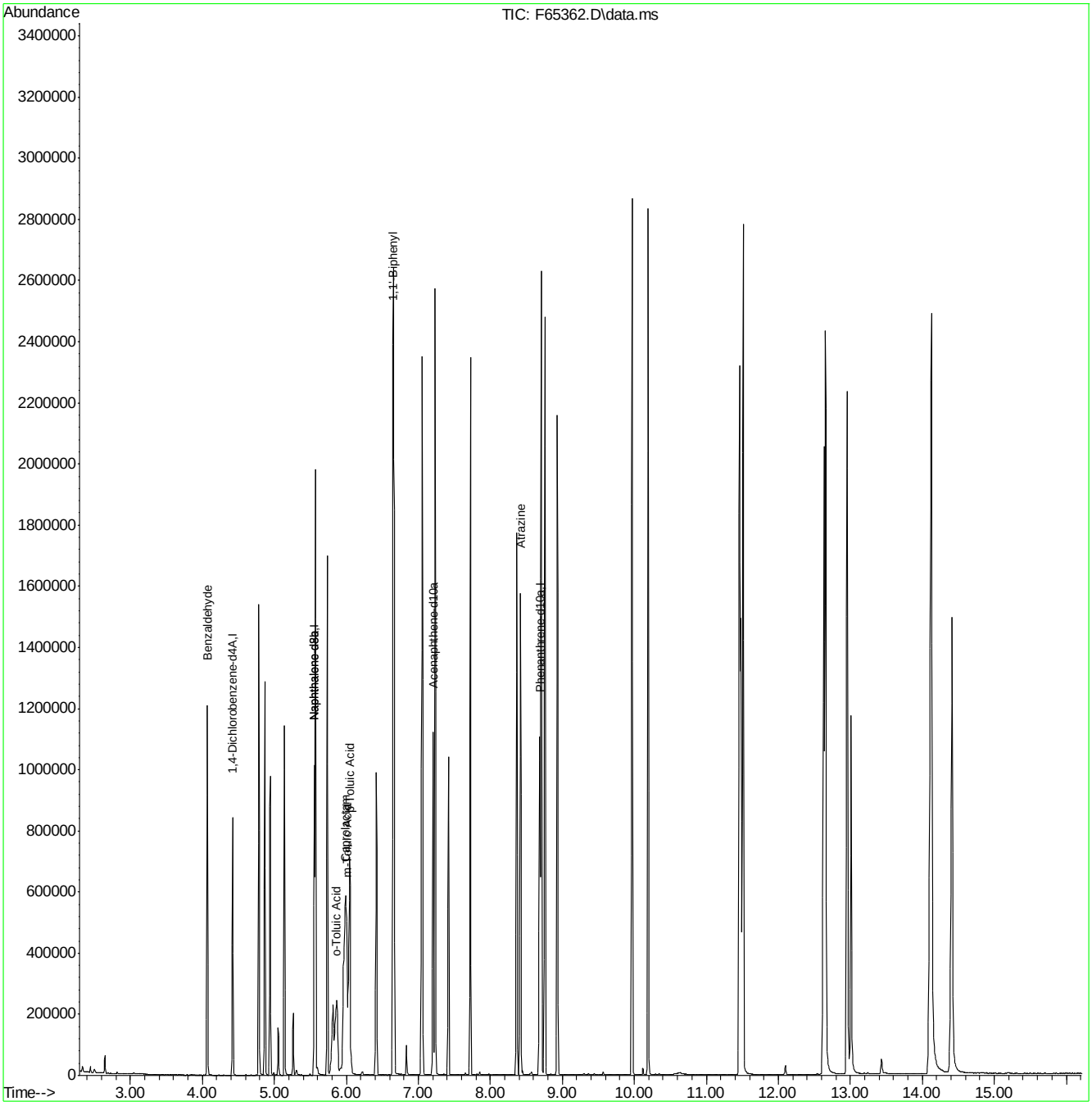
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.421	152	103783	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.555	136	390612	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.205	164	242107	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.686	188	473630	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.555	136	390612	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.068	77	210486	80.81	ppm	99
42) Caprolactam	5.983	55	97431m	84.44	ppm	
66) 1,1'-Biphenyl	6.647	154	677317	81.80	ppm	98
81) Atrazine	8.421	200	212313	85.46	ppm	99
101) o-Toluic Acid	5.866	118	168409m	114.24	ug/mL	
102) m-Toluic Acid	6.007	136	217725m	79.81	ug/mL	
103) p-Toluic Acid	6.048	91	239019m	78.59	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65362.D
Acq On : 1 Jul 2013 9:22 pm
Operator : kristinr
Sample : IC3031-80
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 03 09:09:04 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:07:05 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Doug Yargeau
07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65363.D
Acq On : 1 Jul 2013 9:45 pm
Operator : kristinr
Sample : IC3031-120
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 03 09:10:24 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:09:18 2013
Response via : Initial Calibration

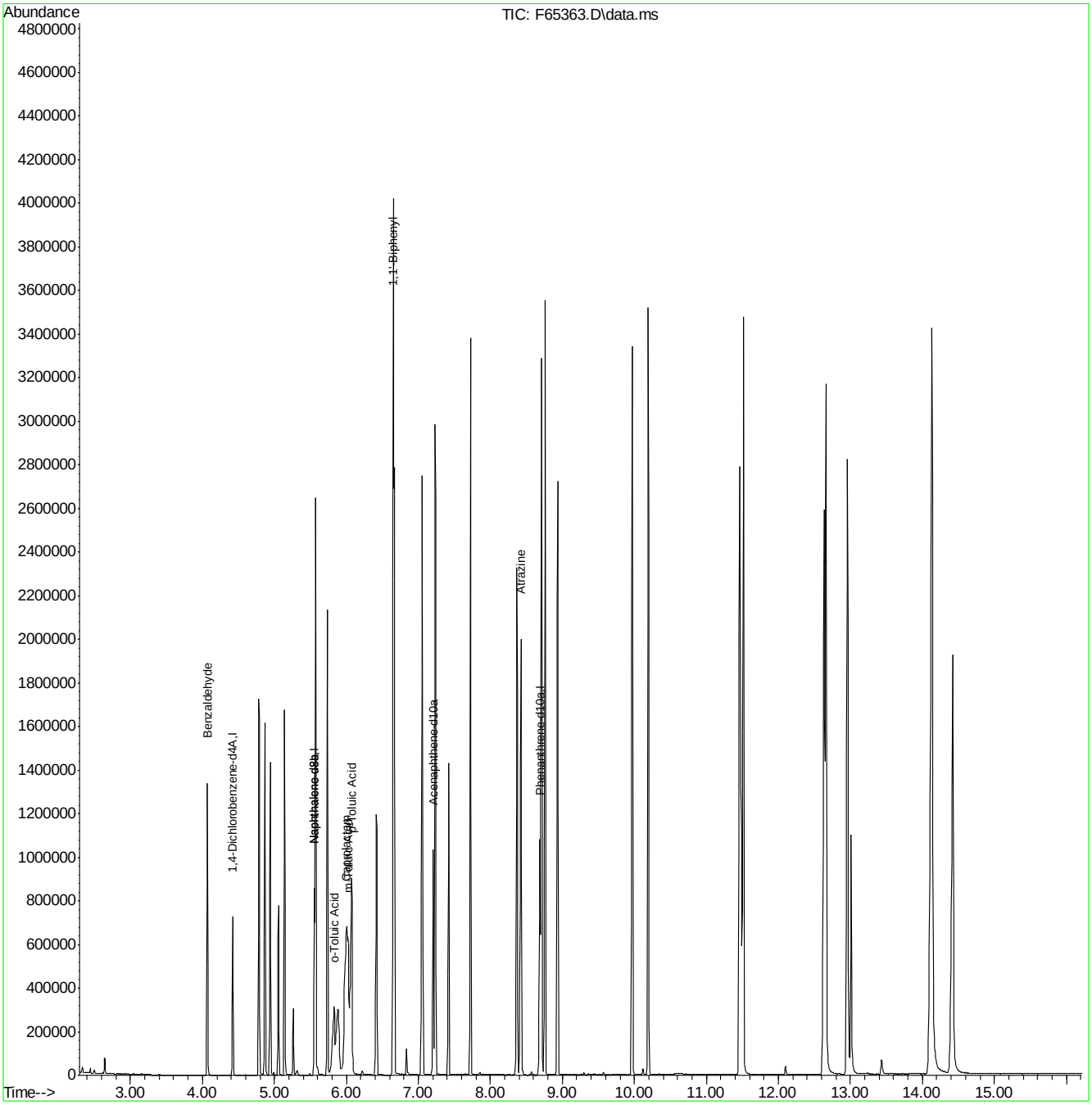
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.420	152	91886	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.554	136	346374	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.204	164	218848	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.685	188	428395	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.554	136	346374	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.067	77	226477	98.01	ppm	99
42) Caprolactam	6.000	55	133207m	128.77	ppm	
66) 1,1'-Biphenyl	6.652	154	923160	122.78	ppm	98
81) Atrazine	8.426	200	292232	128.30	ppm	99
101) o-Toluic Acid	5.830	118	236587m	166.71	ug/mL	
102) m-Toluic Acid	6.024	136	300042	113.43	ug/mL	96
103) p-Toluic Acid	6.071	91	312933	116.44	ug/mL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65363.D
Acq On : 1 Jul 2013 9:45 pm
Operator : kristinr
Sample : IC3031-120
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 03 09:10:24 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:09:18 2013
Response via : Initial Calibration



F65364.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65364.D
Acq On : 1 Jul 2013 10:09 pm
Operator : kristinr
Sample : IC3031-160
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 03 09:11:54 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:10:39 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.422	152	82687	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.556	136	308601	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.201	164	195737	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.687	188	369039	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.556	136	308601	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.064	77	204943	98.55	ppm	95
42) Caprolactam	6.003	55	159267m	170.72	ppm	
66) 1,1'-Biphenyl	6.655	154	1102636	163.34	ppm	100
81) Atrazine	8.429	200	344699	173.67	ppm	98
101) o-Toluic Acid	5.832	118	283813m	210.79	ug/mL	
102) m-Toluic Acid	6.038	136	385449	158.49	ug/mL	96
103) p-Toluic Acid	6.085	91	368425	154.64	ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

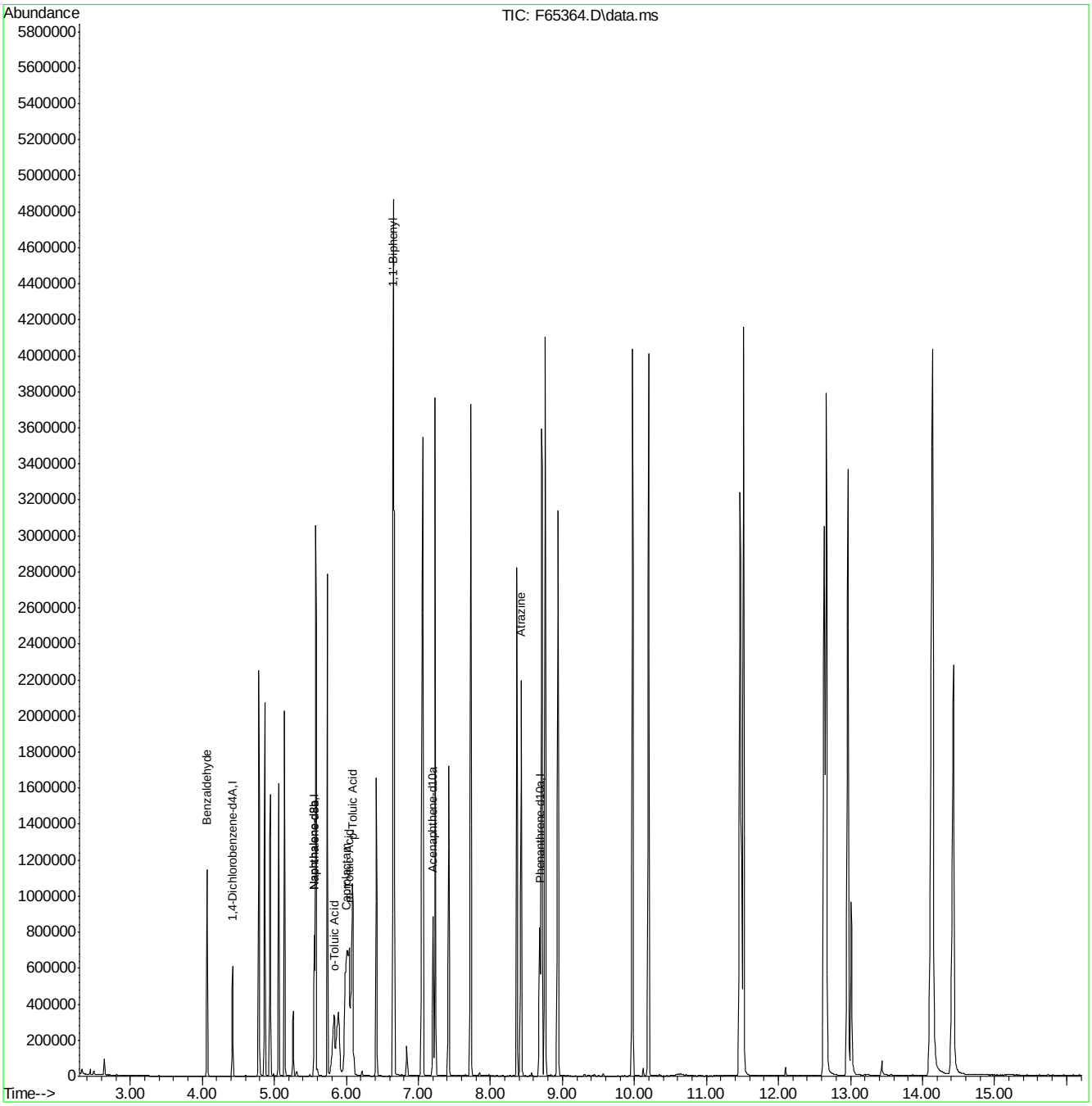
9.9.15

9

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65364.D
Acq On : 1 Jul 2013 10:09 pm
Operator : kristinr
Sample : IC3031-160
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 03 09:11:54 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:10:39 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65365.D
Acq On : 1 Jul 2013 10:33 pm
Operator : kristinr
Sample : ICV3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 10 14:27:12 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.419	152	92383	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.419	152	92383	40.00	PPM	0.00
23) Naphthalene-d8	5.553	136	341563	40.00	ppm	0.00
41) Naphthalene-d8a	5.553	136	341563	40.00	ppm	0.00
43) Acenaphthene-d10	7.204	164	222922	40.00	ppm	0.00
65) Acenaphthene-d10a	7.204	164	222922	40.00	ppm	0.00
67) Phenanthrene-d10	8.684	188	420276	40.00	ppm	0.00
80) Phenanthrene-d10a	8.684	188	420276	40.00	ppm	0.00
82) Chrysene-d12	11.480	240	441912	40.00	ppm	0.00
92) Perylene-d12	13.008	264	415613	40.00	ppm	0.00
100) Naphthalene-d8b	5.553	136	341563	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.415	112	135409	50.28	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.28%			
7) Phenol-d5	4.137	99	168809	49.25	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 49.25%			
24) Nitrobenzene-d5	4.925	82	162406	50.84	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 101.68%			
48) 2-Fluorobiphenyl	6.563	172	377715	50.35	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 100.70%			
71) 2,4,6-Tribromophenol	7.979	330	66880	49.64	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 49.64%			
85) Terphenyl-d14	10.358	244	476592	50.78	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 101.56%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.463	74	87882	48.91	ug/l	97
3) Pyridine	2.469	79	153819	47.65	ppm	96
4) Aniline	4.178	93	166561	40.82	ppm #	1
6) bis(2-Chloroethyl)ether	4.220	63	90480	48.44	ppm	94
8) Phenol	4.143	94	175056	50.45	ppm	95
9) 2-Chlorophenol	4.272	128	143956	50.09	ppm	99
10) 1,3-Dichlorobenzene	4.396	146	163289	48.69	ppm	98
11) 1,4-Dichlorobenzene	4.437	146	171142	47.88	ppm	97
12) 1,2-Dichlorobenzene	4.596	146	157530	49.00	ppm	97
13) Benzyl alcohol	4.549	108	89424	48.02	ppm	95
14) bis(2-chloroisopropyl)...	4.684	45	133553	57.65	ppm	93
15) o-cresol	4.654	108	127292	50.41	ppm	87
16) Acetophenone	4.789	105	199083	47.92	ppm	99
17) Hexachloroethane	4.866	117	62173	49.64	ppm	86
18) N-Nitroso-di-n-propyla...	4.807	70	107894	52.15	ppm	95
19) m+p-cresols	4.784	108	277279	99.86	ppm	98
20) 4-methylphenol	4.784	108	277279	99.86	ppm	98
22) Benzaldehyde	4.067	77	83446m	37.05	ppm	
25) Nitrobenzene	4.942	77	154806	48.01	ppm	95
26) Isophorone	5.142	82	262322	49.10	ppm	100
27) 2-Nitrophenol	5.224	139	82604	50.81	ppm	94
28) 2,4-Dimethylphenol	5.253	107	155625	51.06	ppm	94

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65365.D
Acq On : 1 Jul 2013 10:33 pm
Operator : kristinr
Sample : ICV3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 10 14:27:12 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) bis(2-Chloroethoxy)met...	5.342	93	162349	51.14	ppm		100
30) Benzoic acid	5.347	105	136112	59.33	ppm		95
31) 2,4-Dichlorophenol	5.436	162	135145	50.76	ppm		99
32) 1,2,4-Trichlorobenzene	5.518	180	155555	50.88	ppm		99
33) Naphthalene	5.577	128	422703	50.04	ppm		97
34) 2,6-Dichlorophenol	5.647	162	132604	49.97	ppm		98
35) 4-Chloroaniline	5.635	127	145800	39.99	ppm		100
36) Hexachlorobutadiene	5.735	225	101350	50.67	ppm		97
37) 4-Chloro-3-methylphenol	6.082	107	136692	52.04	ppm		96
38) 2-Methylnaphthalene	6.205	142	280731	48.03	ppm		99
39) 1-Methylnaphthalene	6.311	142	272997	48.15	ppm		96
40) 1,2,4,5-Tetrachloroben...	6.399	216	170109	47.80	ppm		97
42) Caprolactam	5.935	55	51528	49.43	ppm		98
44) Pentachloronitrobenzene	8.637	237	48745	48.94	ppm		98
45) Hexachlorocyclopentadiene	6.423	237	58061	24.37	ppm		99
46) 2,4,6-Trichlorophenol	6.493	196	114714	49.64	ppm		97
47) 2,4,5-Trichlorophenol	6.528	196	124727	50.77	ppm		98
49) 2-Chloronaphthalene	6.663	162	306426	50.63	ppm		97
50) Acenaphthylene	7.057	152	479452m	49.94	ppm		
51) Dimethylphthalate	6.981	163	346316	48.76	ppm		99
52) 2,4-Dinitrotoluene	7.415	165	110260	53.89	ppm		99
53) Acenaphthene	7.233	153	306525	50.46	ppm		98
54) 2,4-Dinitrophenol	7.268	184	59377	52.09	ppm		97
55) Dibenzofuran	7.386	168	430648	47.27	ppm		98
56) 2,6-Dinitrotoluene	7.045	165	80409	50.25	ppm	#	64
57) 4-Nitrophenol	7.327	65	66850	51.03	ppm		94
58) 2,3,4,6-Tetrachlorophenol	7.545	232	112477	51.75	ppm		99
59) Fluorene	7.721	166	367697	52.15	ppm		99
60) 4-Chlorophenyl-phenyle...	7.715	204	199316	51.02	ppm		95
61) Diethylphthalate	7.656	149	351891	50.46	ppm		98
62) 2-nitroaniline	6.787	138	98932	51.02	ppm		99
63) 3-nitroaniline	7.174	138	64768m	39.17	ppm		
64) 4-nitroaniline	7.779	138	78088	47.00	ppm		90
66) 1,1'-Biphenyl	6.646	154	362345	46.99	ppm		99
68) 4,6-Dinitro-2-methylph...	7.815	198	84531	54.28	ppm		100
69) n-Nitrosodiphenylamine	7.844	169	242577	45.85	ppm		97
70) 1,2-Diphenylhydrazine	7.873	77	317051	47.14	ppm		97
72) 4-Bromophenyl-phenylether	8.208	248	122041	47.44	ppm		95
73) Hexachlorobenzene	8.367	284	132581	49.78	ppm		92
74) Pentachlorophenol	8.549	266	97290	51.04	ppm		99
75) Phenanthrene	8.708	178	543690	50.02	ppm		99
76) Anthracene	8.755	178	533482	47.28	ppm		99
77) Carbazole	8.931	167	483090	49.02	ppm		98
78) Di-n-butylphthalate	9.366	149	572550	49.55	ppm		99
79) Fluoranthene	9.971	202	601586	53.25	ppm		97
81) Atrazine	8.414	200	113387	50.16	ppm		98
83) Benzidine	10.100	184	164282	37.85	ppm		97
84) Pyrene	10.188	202	593407	48.93	ppm		96
87) Butylbenzylphthalate	10.911	149	237197	52.51	ppm		99
88) 3,3'-Dichlorobenzidine	11.451	252	194641	42.47	ppm		97

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65365.D
Acq On : 1 Jul 2013 10:33 pm
Operator : kristinr
Sample : ICV3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 10 14:27:12 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

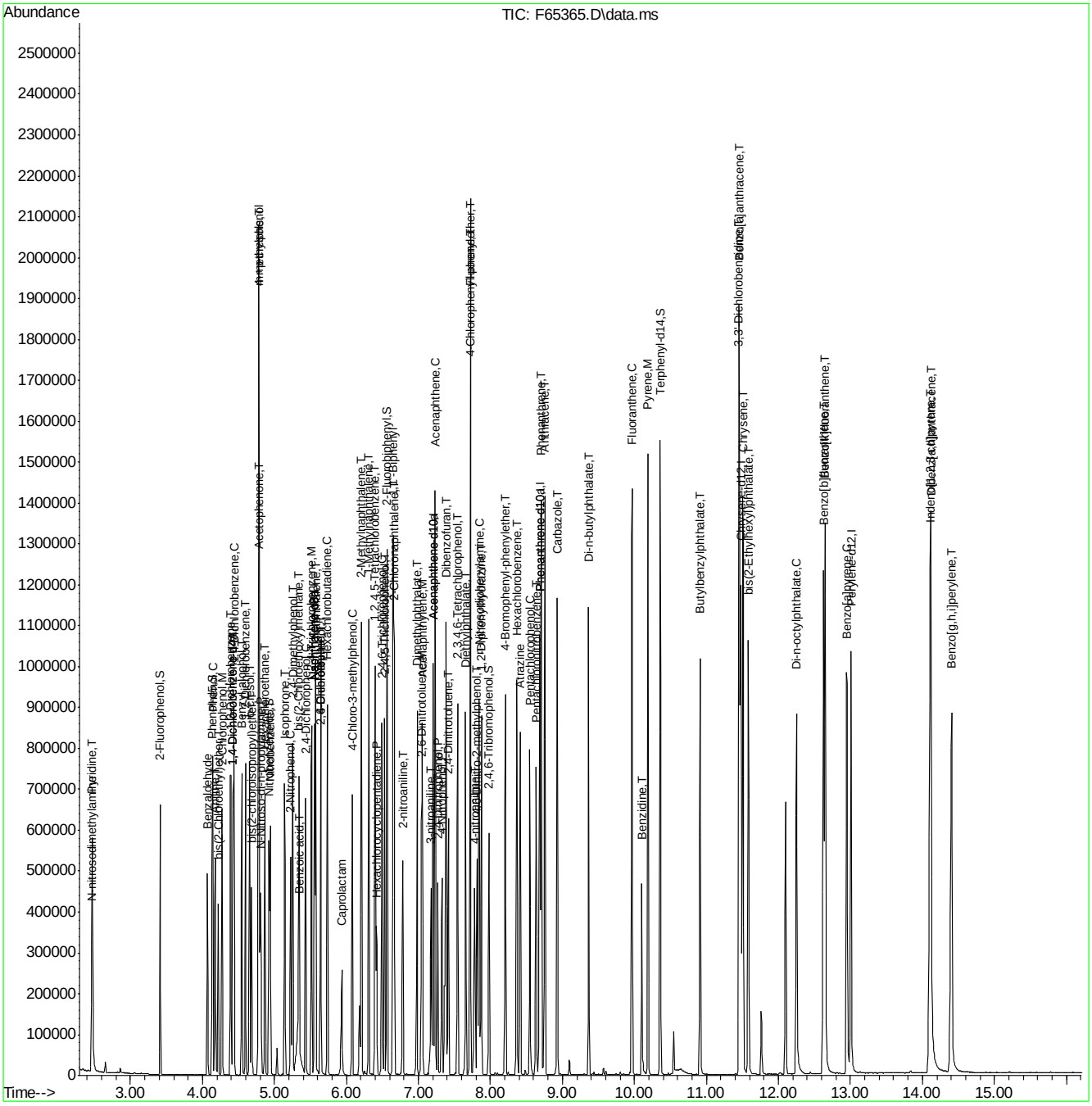
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo[a]anthracene	11.457	228	598747	52.66	ppm	98
90) Chrysene	11.504	228	557592	50.15	ppm	98
91) bis(2-Ethylhexyl)phtha...	11.580	149	341239	55.20	ppm	98
93) Di-n-octylphthalate	12.250	149	551796	55.01	ppm	100
94) Benzo[b]fluoranthene	12.626	252	598812	53.07	ppm	97
95) Benzo[k]fluoranthene	12.649	252	600474	49.91	ppm	98
96) Benzo[a]pyrene	12.955	252	501810	47.94	ppm	95
97) Indeno[1,2,3-cd]pyrene	14.106	276	696155	53.35	ppm	87
98) Dibenz[a,h]anthracene	14.118	278	568510	56.45	ppm	99
99) Benzo[g,h,i]perylene	14.406	276	580778	52.41	ppm	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65365.D
Acq On : 1 Jul 2013 10:33 pm
Operator : kristinr
Sample : ICV3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 10 14:27:12 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23228

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 08/09/13 13:49

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66060.D
Acq On : 9 Aug 2013 9:32 am
Operator : KRISTINR
Sample : CC3031-80, tcl42
Misc : OP34224,MSF3058,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 09 10:41:26 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

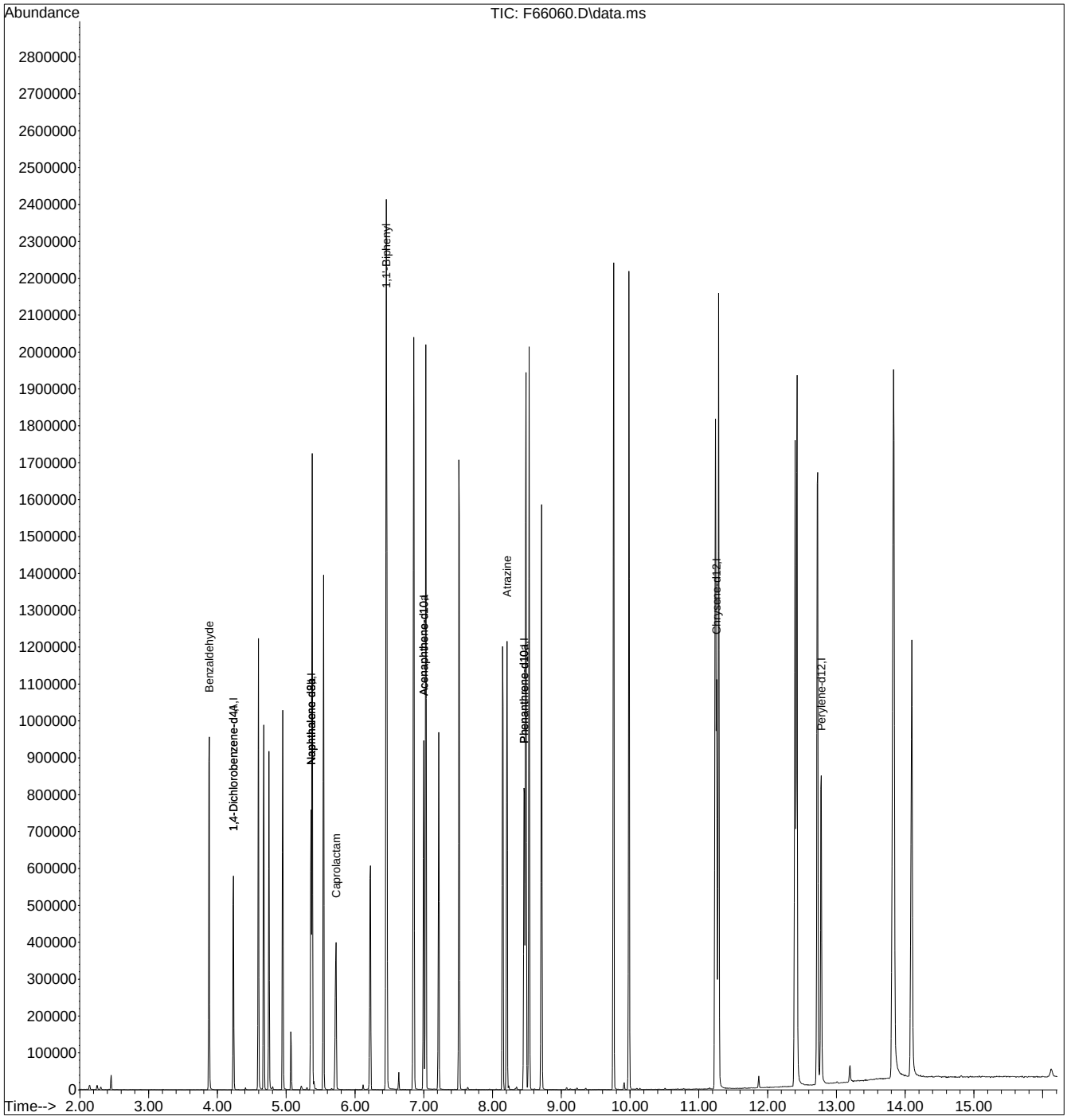
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.234	152	74126	40.00	ppm	-0.03
21) 1,4-Dichlorobenzene-d4A	4.234	152	74126	40.00	PPM	-0.03
23) Naphthalene-d8	5.362	136	279335	40.00	ppm	-0.03
41) Naphthalene-d8a	5.362	136	279335	40.00	ppm	-0.03
43) Acenaphthene-d10	7.001	164	176950	40.00	ppm	-0.03
65) Acenaphthene-d10a	7.001	164	176950	40.00	ppm	-0.03
67) Phenanthrene-d10	8.458	188	325182m	40.00	ppm	-0.04
80) Phenanthrene-d10a	8.458	188	325292	40.00	ppm	-0.04
82) Chrysene-d12	11.260	240	373506	40.00	ppm	-0.04
92) Perylene-d12	12.781	264	333515m	40.00	ppm	-0.04
100) Naphthalene-d8b	5.362	136	279335	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	3.881	77	178148	98.57	ppm	97
42) Caprolactam	5.726	55	69676	81.73	ppm	95
66) 1,1'-Biphenyl	6.454	154	503786	82.31	ppm	99
81) Atrazine	8.211	200	147026	84.04	ppm	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66060.D
Acq On : 9 Aug 2013 9:32 am
Operator : KRISTINR
Sample : CC3031-80, tcl42
Misc : OP34224,MSF3058,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 09 10:41:26 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



F130701_8270+.m Fri Aug 09 10:41:39 2013 Page: 2

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 08/09/13 13:49

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66061.D
Acq On : 9 Aug 2013 9:56 am
Operator : KRISTINR
Sample : CC3031-50
Misc : OP34224,MSF3058,,,,1,1
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Aug 09 13:43:10 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.232	152	85027	40.00	ppm	-0.03
21) 1,4-Dichlorobenzene-d4A	4.232	152	85027	40.00	PPM	-0.03
23) Naphthalene-d8	5.360	136	320896	40.00	ppm	-0.03
41) Naphthalene-d8a	5.360	136	320896	40.00	ppm	-0.03
43) Acenaphthene-d10	6.999	164	208036	40.00	ppm	-0.03
65) Acenaphthene-d10a	6.999	164	208036	40.00	ppm	-0.03
67) Phenanthrene-d10	8.462	188	397047m	40.00	ppm	-0.03
80) Phenanthrene-d10a	8.462	188	397196	40.00	ppm	-0.03
82) Chrysene-d12	11.264	240	440818	40.00	ppm	-0.03
92) Perylene-d12	12.779	264	404796	40.00	ppm	-0.04
100) Naphthalene-d8b	5.360	136	320300m	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.245	112	130256	52.55	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 52.55%			
7) Phenol-d5	3.974	99	168756	53.49	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 53.49%			
24) Nitrobenzene-d5	4.737	82	174187	58.04	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 116.08%			
48) 2-Fluorobiphenyl	6.370	172	354490	50.63	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 101.26%			
71) 2,4,6-Tribromophenol	7.774	330	58512	45.97	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 45.97%			
85) Terphenyl-d14	10.159	244	474869	50.73	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 101.46%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.270	74	80305	48.56	ug/l #	71
3) Pyridine	2.276	79	140343	47.23	ppm	95
4) Aniline	3.991	93	191327	50.94	ppm #	1
6) bis(2-Chloroethyl)ether	4.032	63	97808	56.89	ppm	83
8) Phenol	3.985	94	188763	59.11	ppm	67
9) 2-Chlorophenol	4.091	128	137513	51.99	ppm	95
10) 1,3-Dichlorobenzene	4.203	146	157825	51.14	ppm	99
11) 1,4-Dichlorobenzene	4.244	146	168813	51.31	ppm	94
12) 1,2-Dichlorobenzene	4.408	146	153367	51.84	ppm	98
13) Benzyl alcohol	4.367	108	59623m	34.78	ppm	
14) bis(2-chloroisopropyl)...	4.497	45	120410	56.47	ppm	90
15) o-cresol	4.485	108	124246	53.46	ppm	85
16) Acetophenone	4.596	105	207822	54.35	ppm	97
17) Hexachloroethane	4.673	117	64207	55.70	ppm	87
18) N-Nitroso-di-n-propyla...	4.620	70	114546m	60.15	ppm	
19) m+p-cresols	4.614	108	289580	113.31	ppm	96
20) 4-methylphenol	4.614	108	289580	113.31	ppm	96
25) Nitrobenzene	4.749	77	178447	58.91	ppm	85
26) Isophorone	4.955	82	291473	58.07	ppm	100
27) 2-Nitrophenol	5.037	139	80707	52.84	ppm	86
28) 2,4-Dimethylphenol	5.078	107	158734	55.43	ppm	90
29) bis(2-Chloroethoxy)met...	5.154	93	160851	53.93	ppm	99
30) Benzoic acid	5.184	105	111497	51.73	ppm	93
31) 2,4-Dichlorophenol	5.254	162	132110	52.81	ppm	96
32) 1,2,4-Trichlorobenzene	5.325	180	147831	51.47	ppm	97
33) Naphthalene	5.378	128	415617	52.37	ppm	96
34) 2,6-Dichlorophenol	5.460	162	125688	50.42	ppm	98
35) 4-Chloroaniline	5.448	127	171653	50.12	ppm	100
36) Hexachlorobutadiene	5.542	225	100436	53.45	ppm	99
37) 4-Chloro-3-methylphenol	5.906	107	141030	57.15	ppm	89

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66061.D
Acq On : 9 Aug 2013 9:56 am
Operator : KRISTINR
Sample : CC3031-50
Misc : OP34224,MSF3058,,,,1,1
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Aug 09 13:43:10 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

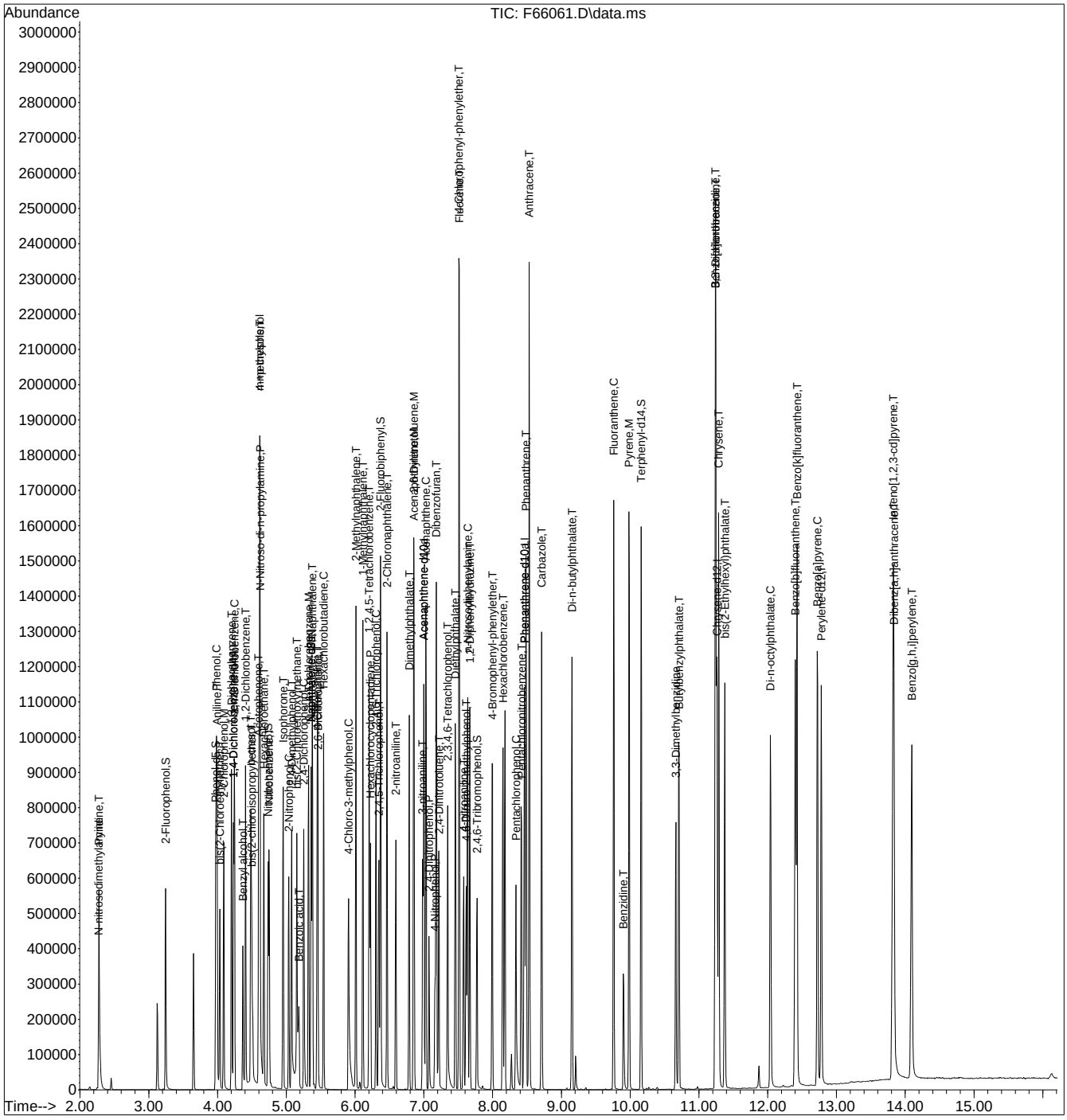
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) 2-Methylnaphthalene	6.012	142	293786	53.50	ppm		97
39) 1-Methylnaphthalene	6.112	142	277982	52.19	ppm		97
40) 1,2,4,5-Tetrachloroben...	6.206	216	177447	53.08	ppm		99
44) Pentachloronitrobenzene	8.421	237	55125	59.30	ppm		97
45) Hexachlorocyclopentadiene	6.224	237	91047	40.94	ppm		99
46) 2,4,6-Trichlorophenol	6.306	196	107064	49.65	ppm		99
47) 2,4,5-Trichlorophenol	6.347	196	117791	51.38	ppm		97
49) 2-Chloronaphthalene	6.464	162	294359	52.11	ppm		95
50) Acenaphthylene	6.858	152	474256	52.93	ppm		98
51) Dimethylphthalate	6.788	163	351110	52.97	ppm		100
52) 2,4-Dinitrotoluene	7.222	165	107793	56.45	ppm		97
53) Acenaphthene	7.028	153	297793	52.53	ppm		98
54) 2,4-Dinitrophenol	7.075	184	48204	45.31	ppm		81
55) Dibenzofuran	7.181	168	447507	52.64	ppm		92
56) 2,6-Dinitrotoluene	6.852	165	82485	55.23	ppm		95
57) 4-Nitrophenol	7.164	65	69828m	57.12	ppm		
58) 2,3,4,6-Tetrachlorophenol	7.346	232	106847	52.68	ppm		98
59) Fluorene	7.516	166	366176	55.65	ppm		100
60) 4-Chlorophenyl-phenyle...	7.510	204	199893	54.82	ppm		90
61) Diethylphthalate	7.457	149	348744	53.59	ppm		97
62) 2-nitroaniline	6.594	138	99274	54.86	ppm		85
63) 3-nitroaniline	6.981	138	82765	53.64	ppm	#	70
64) 4-nitroaniline	7.581	138	84769	54.68	ppm		78
68) 4,6-Dinitro-2-methylph...	7.616	198	75029	51.00	ppm		100
69) n-Nitrosodiphenylamine	7.639	169	253829	50.78	ppm		98
70) 1,2-Diphenylhydrazine	7.669	77	357436	56.25	ppm		95
72) 4-Bromophenyl-phenylether	7.998	248	122171	50.27	ppm		93
73) Hexachlorobenzene	8.150	284	120800	48.01	ppm		93
74) Pentachlorophenol	8.338	266	74929m	41.61	ppm		
75) Phenanthrene	8.485	178	528276m	51.45	ppm		
76) Anthracene	8.532	178	557071	52.25	ppm		99
77) Carbazole	8.714	167	489527	52.57	ppm		97
78) Di-n-butylphthalate	9.155	149	601652	55.11	ppm		99
79) Fluoranthene	9.760	202	614302	57.56	ppm		100
83) Benzidine	9.901	184	126985	29.33	ppm		98
84) Pyrene	9.983	202	640632	52.96	ppm		98
86) 3,3-Dimethylbenzidine	10.665	212	263543	41.83	ppm		100
87) Butylbenzylphthalate	10.712	149	246060	54.61	ppm		99
88) 3,3'-Dichlorobenzidine	11.240	252	253851	55.53	ppm		99
89) Benzo[a]anthracene	11.240	228	611880	53.95	ppm		98
90) Chrysene	11.287	228	578953	52.20	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.375	149	349818	56.73	ppm		98
93) Di-n-octylphthalate	12.039	149	568094	58.03	ppm		100
94) Benzo[b]fluoranthene	12.403	252	650356	59.18	ppm		96
95) Benzo[k]fluoranthene	12.427	252	563109	48.05	ppm		97
96) Benzo[a]pyrene	12.721	252	559197	54.85	ppm		96
97) Indeno[1,2,3-cd]pyrene	13.825	276	677175	53.28	ppm		86
98) Dibenz[a,h]anthracene	13.837	278	531712	54.20	ppm		96
99) Benzo[g,h,i]perylene	14.095	276	546116	50.60	ppm		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66061.D
Acq On : 9 Aug 2013 9:56 am
Operator : KRISTINR
Sample : CC3031-50
Misc : OP34224,MSF3058,,,,1,1
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Aug 09 13:43:10 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23228

Accutest Laboratories of New England, Inc.

Instrument: GCMS F

GCMS Analysis Log - Extractables

Run Date: 07/01/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 ng/mL
MSS1625	AB8270 Cal. Stds.	50
MSS1560	AB8270 Cal. Stds	50
MSS1594H	AB8270 Int. Std.	4000

Column Information: Front ZB-SMS.
Rear N/A
Sequence File: F130701.s
Quantitation Methods: DFTPPM
F130701_8270+M
Instrument Run Batches: MSF3031
Inj. Vol:
Data Acquisition Methods: F8270RAST.M
Inj. Vol: 1

ICAL verified:

Sequence verified: 7/1/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98	F65347	Blank				N/A	N/A	
99	8	DFTPP						
100	9	ICC3031-50	MSS1625		N/A			
1	F65350	ICC3031-2						
2	1	-5						
3	2	-10						
4	3	-20						
5	4	-80						
6	5	-120						
7	6	-160						
98	7	Blank						
8	8	IC3031-5	MSS1560					
9	9	-10						
10	F65360	-20						
11	1	-50						
12	2	-80						
13	3	-120						
14	4	-160						
15	5	ICV3031-50	MSS1623					
								7/1/13 MR

MS002-04
Date: 8/29/06

Dilution Solvent: BTJ DCM Lot: D;556

Review:

ACCUTEST LABORATORIES MC23228

Accutest Laboratories of New England, Inc.

Instrument: GCMS F

GCMS Analysis Log - Extractables

Run Date: 08/09/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
MSS1596	DETPP	50 µg/mL
MSS1625	AB8270 Cal. Std.	50/80
MSS1594J	↓ Int. Std.	40000

Column Information: Front ZB-5MSi

Rear N/A

Sequence File: P130809.S

Quantitation Methods: DETPP.M

F130701.8270T.M

Instrument Run Batches: MSF3058

Inj. Vol:

Data Acquisition Methods: F8270FAST.M Inj. Vol: 1

ICAL verified:

Sequence verified: 8/12/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98 X	F0606058	Blank	N/A		N/A	N/A	N/A	
99 X	↓ 9	DETPP						
100 X	F0606060	CC3031-80						TCL42
96 X	1	↓ -50	↓		↓			
1 X	2	OP34292-MB	OP34292		SOIL			
2 X	3	-BS				↓		
3 X	4	-MS				5X		
4 X	5	↓ -MSD				5X		
5 X	6	MC23133-1	↓		↓	5X		
19 X	7	OP34276-MB	OP34276		AQ	N/A		
20 X	8	↓ -BS						
21 X	↓ 9	MC23251-7						
22	F0606070	OP34276-MS						
23	1	-MSD						
24	2	↓ -TAP	↓		↓	↓		TAP#
6	3	MC23214-1	OP34292		SOIL	5X		
25	4	MC23158-1	OP34223		AQ	N/A		
7	5	JB42287-254	OP34292		SOIL	5X		
8	6	↓ -30U				5X		
9	7	MC23134-1				5X		
10	8	MC23228-1				N/A		
11	↓ 9	-2						
12	F0606080	↓ -3						
13	1	MC23272-1						
14	2	-3						
15	3	-4						
16	4	-5				↓		
17	5	↓ -6				5X		
18	↓ 6	MC23273-23	↓		↓	N/A		
98 X	F0606087-90	Blank	N/A		N/A	↓	↓	
								8/12/13 KR

MS002-04

Date: 8/29/06 Dilution Solvent: B+J DCM Lot: DI925 **Review:**

ACCUTEST LABORATORIES

Approximate Gram weight equals +/- 0.5g

Extracted by: MB
Spike Witness: BJ
Concentrated by: pA 8/8
Fractionated by:

Date/Time: 8/6/13 1100
Date/Time:
Batch: OP34292
Matrix: **Soil/Solid**; Sand Lot: B820PAH
Analysis Method: 8270SL, TCL42

Extraction Method: ASE #1 | ASE #2 | ASE #3 | ASE # 4 | Sonicate
Soxhlet: SW 3540C | SW 3545A | SW 3545A | SW3545A | SW3545A | SW3550B

Waste Dilution: SW3580 (Micro: ~~SW 3546~~)

	Sample	Bottle No.	ASE Position	Initial Weight (g)	Final Volume (ml)	**Cleanup/Comments (3660B, 3630, 3665, other)	Received by: Date:
1	op34292 MB	NA		20.01	1.0		
2	BS	L		20.93			
3	mc23133-1 MS	2		20.35			
4	-1 MSD	2		20.54			
5	mc23214-1	2		20.40			
6	mc23133-1	2		20.12			
7	mc23134-1	2		20.48			
8	mc23228-1	1		20 26			
9	-2			20 46			
10	-3			20 17			
11	mc23272-1			20 85			
12	-3			20 09			
13	-4			20 34			
14	-5			20 50			
15	-6	L		20.17			
16	mc23273-23	1		20.66			
17	JB42287-25u	1		20.52			
18	-30u	1		20.24			
19							
20							
21					pH 8/8		
22							
23							
24							
25							

Fraction	Bottle #	Lot #	Concentration	Volume
Surrogate: ABN	1	6935	500 ug/mL	100uL
Surrogate:				
Spike: BN	1	6940	500 ug/mL	100 uL
Spike: acid	1	6933	500 ug/mL	100 uL
Spike: custom	3	6816	2000 ug/mL	25 uL
Spike: APG	1	6900	30 ug/mL	1.0 mL
Spike:				
Hexane Frac. Volume:	NA	NA	NA	
Soxhlet Start/Stop Date/Time:			Filter Paper Lot # 5741	

H2SO4 Lot #	
Ether:	
MeCl2:	DI 823
Hexane:	
MeCl2/Acetone:	
Acetone:	132442
Acetonitrile:	
Na Sulfate Lot #:	B772
Silica Lot #:	
SPE MFG/Lot #:	
Copper:	
Hydromatrix:	
Florisil:	
Sand Lot #:	

Balance ID: 8
Water Bath Temp: 40°c Water Bath ID: 21, 20
Laboratory Percent Humidity:

*Note volume of extract: N = Normal
L = Low

Reviewed by:

Tray #: LC-11

** Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup; 3620 = Florisil
**For Soxhlet extraction document date/time started and finished

OP001-16 (10/23/12)

ACCUTEST LABORATORIES
MC23228

New England ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: MC23228
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MC23228-1 **Analyzed:** 06-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: SB-204/6.5

Wet Weight (Total)	32.677	g
Tare Weight	24.531	g
Dry Weight (Total)	32.474	g
Solids, Percent	97.5	%

Sample: MC23228-2 **Analyzed:** 06-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: SB-207/3'

Wet Weight (Total)	37.465	g
Tare Weight	27.215	g
Dry Weight (Total)	37.191	g
Solids, Percent	97.3	%

Sample: MC23228-3 **Analyzed:** 06-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: SB-216/7-8'

Wet Weight (Total)	30.929	g
Tare Weight	19.893	g
Dry Weight (Total)	29.224	g
Solids, Percent	84.6	%

New England ACCUTEST LABORATORIES

08/20/13

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC23272

Sampling Dates: 07/31/13 - 08/02/13

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **1198**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) ISO 17025:2005 (L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC23272

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
MC23272-1	08/01/13	13:25		08/03/13	SO	Soil	SB-234/7'
MC23272-2	07/31/13	14:55		08/03/13	SO	Soil	SB-217/8'
MC23272-3	08/02/13	09:45		08/03/13	SO	Soil	SB-241/0.5-2'
MC23272-4	08/01/13	08:05		08/03/13	SO	Soil	SB-223/1'
MC23272-5	08/02/13	13:18		08/03/13	SO	Soil	SB-247/6'
MC23272-6	08/02/13	15:05		08/03/13	SO	Soil	SB-248/7.5'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environmental & Energy **Job No** MC23272

Site: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, **Report Date** 8/20/2013 3:41:29 PM

6 Sample(s) were collected on between 07/31/2013 and 08/02/2013 and were received at Accutest on 08/03/2013 properly preserved, at 0.5 Deg. C and intact. These Samples received an Accutest job number of MC23272. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix SO **Batch ID:** MSG5087

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC23427-1MS, MC23427-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Acetone are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for Acetone, Bromomethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.

Matrix SO **Batch ID:** MSK2375

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23133-1MS, MC23133-1MSD were used as the QC samples indicated.
- MSK2375-BS for Chloromethane: Outside control limits. Associated samples are non-detect for this compound.
- MC23133-1MS/MSD for Chloromethane: Outside control limits. Associated samples are non-detect for this compound.

Matrix SO **Batch ID:** MSK2376

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC23228-1MS, MC23228-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Tetrachloroethene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.

Matrix SO **Batch ID:** MSP2326

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC23272-6MS, MC23272-6MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- MSP2326-BS Recovery(s) for 1,1-Dichloroethene, 1,2-Dichloroethane, Chloromethane, Freon 113, Methyl Tert Butyl Ether, Methylene chloride, Trichlorofluoromethane are outside control limits. Blank Spike meets program technical requirements.
- MSP2326-BS Recovery(s) for 1,1,1-Trichloroethane, Bromodichloromethane, Bromomethane, Carbon tetrachloride, Chloroform are outside control limits. Associated samples are non-detect for this compound.
- Matrix Spike Recovery(s) for 1,1,2-Trichloroethane, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Chlorobenzene, Chloroethane, Chloromethane, cis-1,3-Dichloropropene, Cyclohexane, Ethylbenzene, Isopropylbenzene, Methyl Tert Butyl Ether, Methylcyclohexane, Styrene, Tetrachloroethene, Toluene, trans-1,3-Dichloropropene, Trichlorofluoromethane, Xylene (total) are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.

Volatiles by GCMS By Method SW846 8260B

Matrix SO **Batch ID:** MSP2326

- Matrix Spike Duplicate Recovery(s) for 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 4-Methyl-2-pentanone (MIBK), Bromomethane, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, cis-1,3-Dichloropropene, Cyclohexane, Dichlorodifluoromethane, Ethylbenzene, Isopropylbenzene, Methyl Tert Butyl Ether, Methylcyclohexane, Methylene chloride, Styrene, Tetrachloroethene, Toluene, trans-1,3-Dichloropropene, Trichlorofluoromethane, Vinyl chloride, Xylene (total), 2-Hexanone are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- RPD(s) for MSD for 2-Hexanone are outside control limits for sample MC23272-6MSD. High RPD due to possible matrix interference and/or sample non-homogeneity.
- RPD of MSP2326-BSD for Methyl Acetate: Outside control limits. Blank Spike meets program technical requirements.
- MSP2326-BSD for Carbon tetrachloride: Outside control limits. Associated samples are non-detect for this compound.
- MC23272-6, MC23272-6MS, MC23272-6MSD has internal standards outside control limits. Outside control limits due to possible matrix interference. Confirmed by MS/MSD.
- MC23272-6MSD for Acetone: Outside control limits due to high level in sample relative to spike amount.

Extractables by GCMS By Method SW846 8270C

Matrix SO **Batch ID:** OP34292

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) MC23133-1MS, MC23133-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- OP34292-BS/MS/MSD Recovery(s) for Hexachlorocyclopentadiene are outside control limits. Blank Spike meets program technical requirements.
- OP34292-MS/MSD Recovery(s) for Fluoranthene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- OP34292-MS/MSD Recovery(s) for 2,4-Dinitrophenol, Atrazine, Benzaldehyde, Caprolactam, Naphthalene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- MC23272-6: Elevated RL due to dilution required for matrix interference.
- OP34292-BS/MS/MSD for Acetophenone, N-Nitrosodiphenylamine: Outside control limits. Associated samples are non-detect for this compound.

Extractables by GC By Method SW846 8081

Matrix SO **Batch ID:** OP34308

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) MC23272-3MS, MC23272-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MSD for Endosulfan sulfate are outside control limits for sample OP34308-MSD. Outside control limits due to possible matrix interference.

Extractables by GC By Method SW846 8082

Matrix SO **Batch ID:** OP34307

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23272-3MS, MC23272-3MSD were used as the QC samples indicated.

Metals By Method SW846 6010C

Matrix SO **Batch ID:** MP21470

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB42561-22TMS, JB42561-22TMSD, JB42561-22TPS, JB42561-22TSDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Lead are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity. Post spike within acceptable range.
- Matrix Spike Duplicate Recovery(s) for Lead are outside control limits. Spike duplicate recovery indicates possible matrix interference and/or sample nonhomogeneity.
- RPD(s) for Serial Dilution for Arsenic are outside control limits for sample MP21470-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP21470-SD1 for Lead: Serial dilution indicates possible matrix interference.

Metals By Method SW846 7471B

Matrix SO **Batch ID:** MP21487

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23415-1MS, MC23415-1MSD were used as the QC samples for metals.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix SO **Batch ID:** GN43875

- Sample(s) MC23271-1DUP were used as the QC samples for Solids, Percent.

Wet Chemistry By Method SW846 9012 M

Matrix SO **Batch ID:** GP16428

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23272-6DUP, MC23272-6MS were used as the QC samples for Cyanide.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC23272).

Summary of Hits

Job Number: MC23272
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Collected: 07/31/13 thru 08/02/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC23272-1	**SB-234/7'**					
Benzene		34.9	29	15	ug/kg	SW846 8260B
Ethylbenzene		73.4 J	120	10	ug/kg	SW846 8260B
Isopropylbenzene		16.7 J	290	16	ug/kg	SW846 8260B
Methylcyclohexane		87.8 J	290	13	ug/kg	SW846 8260B
Tetrachloroethene		34.1 J	120	26	ug/kg	SW846 8260B
Toluene		112 J	290	14	ug/kg	SW846 8260B
Trichloroethene		86.4 J	120	28	ug/kg	SW846 8260B
Xylene (total)		146	120	12	ug/kg	SW846 8260B
Total TIC, Volatile		199740 J			ug/kg	
bis(2-Ethylhexyl)phthalate		33.7 J	270	9.9	ug/kg	SW846 8270C
2-Methylnaphthalene		33.4 J	110	14	ug/kg	SW846 8270C
Naphthalene		30.9 J	110	17	ug/kg	SW846 8270C
Phenanthrene		23.5 J	110	14	ug/kg	SW846 8270C
Total TIC, Semi-Volatile		1820 J			ug/kg	
MC23272-2	**SB-217/8'**					
Benzene		69.4	25	12	ug/kg	SW846 8260B
Cyclohexane		218 J	250	13	ug/kg	SW846 8260B
Ethylbenzene		70.1 J	100	8.9	ug/kg	SW846 8260B
Isopropylbenzene		18.1 J	250	14	ug/kg	SW846 8260B
Methylcyclohexane		777	250	11	ug/kg	SW846 8260B
Toluene		766	250	12	ug/kg	SW846 8260B
1,1,1-Trichloroethane		26.8 J	100	9.1	ug/kg	SW846 8260B
Xylene (total)		968	100	10	ug/kg	SW846 8260B
Total TIC, Volatile		587250 J			ug/kg	
MC23272-3	**SB-241/0.5-2'**					
Ethylbenzene		14.8 J	150	13	ug/kg	SW846 8260B
Methylcyclohexane		109 J	360	15	ug/kg	SW846 8260B
Toluene		26.1 J	360	18	ug/kg	SW846 8260B
Trichloroethene		357	150	34	ug/kg	SW846 8260B
Xylene (total)		68.3 J	150	15	ug/kg	SW846 8260B
Total TIC, Volatile		2300 J			ug/kg	
Acenaphthene		66.2 J	120	16	ug/kg	SW846 8270C
Acenaphthylene		84.4 J	120	12	ug/kg	SW846 8270C
Acetophenone		32.1 J	580	13	ug/kg	SW846 8270C
Anthracene		205	120	14	ug/kg	SW846 8270C
Benzo(a)anthracene		336	120	15	ug/kg	SW846 8270C
Benzo(a)pyrene		208	120	13	ug/kg	SW846 8270C
Benzo(b)fluoranthene		336	120	15	ug/kg	SW846 8270C
Benzo(g,h,i)perylene		136	120	12	ug/kg	SW846 8270C

Summary of Hits

Job Number: MC23272
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Collected: 07/31/13 thru 08/02/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Benzo(k)fluoranthene		250	120	18	ug/kg	SW846 8270C
Carbazole		173	120	14	ug/kg	SW846 8270C
Chrysene		583	120	14	ug/kg	SW846 8270C
Dibenzo(a,h)anthracene		51.9 J	120	14	ug/kg	SW846 8270C
Dibenzofuran		152	120	16	ug/kg	SW846 8270C
bis(2-Ethylhexyl)phthalate		39.3 J	290	11	ug/kg	SW846 8270C
Fluoranthene		1070	120	16	ug/kg	SW846 8270C
Fluorene		47.6 J	120	15	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene		117 J	120	13	ug/kg	SW846 8270C
2-Methylnaphthalene		211	120	15	ug/kg	SW846 8270C
Naphthalene		195	120	19	ug/kg	SW846 8270C
Phenanthrene		871	120	16	ug/kg	SW846 8270C
Pyrene		754	120	14	ug/kg	SW846 8270C
Total TIC, Semi-Volatile		5210 J			ug/kg	
MC23272-4	**SB-223/1'**					
cis-1,2-Dichloroethene		3740	140	35	ug/kg	SW846 8260B
trans-1,2-Dichloroethene		94.4 J	140	31	ug/kg	SW846 8260B
Tetrachloroethene		75200	1400	300	ug/kg	SW846 8260B
Trichloroethene		1960	140	33	ug/kg	SW846 8260B
Acenaphthene		57.7 J	110	15	ug/kg	SW846 8270C
Acenaphthylene		69.7 J	110	11	ug/kg	SW846 8270C
Anthracene		285	110	14	ug/kg	SW846 8270C
Benzo(a)anthracene		535	110	15	ug/kg	SW846 8270C
Benzo(a)pyrene		402	110	12	ug/kg	SW846 8270C
Benzo(b)fluoranthene		424	110	14	ug/kg	SW846 8270C
Benzo(g,h,i)perylene		178	110	11	ug/kg	SW846 8270C
Benzo(k)fluoranthene		293	110	17	ug/kg	SW846 8270C
Carbazole		124	110	13	ug/kg	SW846 8270C
Chrysene		488	110	14	ug/kg	SW846 8270C
Dibenzo(a,h)anthracene		84.4 J	110	13	ug/kg	SW846 8270C
Dibenzofuran		186	110	16	ug/kg	SW846 8270C
bis(2-Ethylhexyl)phthalate		45.4 J	280	10	ug/kg	SW846 8270C
Fluoranthene		1460	110	15	ug/kg	SW846 8270C
Fluorene		328	110	15	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene		196	110	12	ug/kg	SW846 8270C
2-Methylnaphthalene		126	110	14	ug/kg	SW846 8270C
Naphthalene		255	110	18	ug/kg	SW846 8270C
Phenanthrene		1380	110	15	ug/kg	SW846 8270C
Pyrene		875	110	13	ug/kg	SW846 8270C
Total TIC, Semi-Volatile		21000 J			ug/kg	

Summary of Hits

Job Number: MC23272
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Collected: 07/31/13 thru 08/02/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC23272-5	**SB-247/6'**					
Tetrachloroethene		105 J	130	28	ug/kg	SW846 8260B
Total TIC, Volatile		7130 J			ug/kg	
Acenaphthene		191	110	15	ug/kg	SW846 8270C
Acenaphthylene		24.2 J	110	11	ug/kg	SW846 8270C
Anthracene		427	110	13	ug/kg	SW846 8270C
Benzo(a)anthracene		1110	110	14	ug/kg	SW846 8270C
Benzo(a)pyrene		967	110	12	ug/kg	SW846 8270C
Benzo(b)fluoranthene		912	110	14	ug/kg	SW846 8270C
Benzo(g,h,i)perylene		486	110	11	ug/kg	SW846 8270C
Benzo(k)fluoranthene		666	110	17	ug/kg	SW846 8270C
Carbazole		200	110	13	ug/kg	SW846 8270C
Chrysene		1040	110	14	ug/kg	SW846 8270C
Dibenzo(a,h)anthracene		192	110	13	ug/kg	SW846 8270C
Dibenzofuran		110	110	15	ug/kg	SW846 8270C
bis(2-Ethylhexyl)phthalate		39.4 J	280	10	ug/kg	SW846 8270C
Fluoranthene		2430	110	15	ug/kg	SW846 8270C
Fluorene		174	110	15	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene		486	110	12	ug/kg	SW846 8270C
2-Methylnaphthalene		62.2 J	110	14	ug/kg	SW846 8270C
Naphthalene		119	110	18	ug/kg	SW846 8270C
Phenanthrene		1660	110	15	ug/kg	SW846 8270C
Pyrene		1880	110	13	ug/kg	SW846 8270C
Total TIC, Semi-Volatile		2390 J			ug/kg	
MC23272-6	**SB-248/7.5'**					
Acetone		210	12	4.7	ug/kg	SW846 8260B
2-Butanone (MEK)		21.1	6.0	3.7	ug/kg	SW846 8260B
Carbon disulfide		13.4	6.0	0.18	ug/kg	SW846 8260B
Chloroform		0.67 J	2.4	0.35	ug/kg	SW846 8260B
Chloromethane		5.5 J	6.0	1.5	ug/kg	SW846 8260B
Cyclohexane		0.55 J	6.0	0.32	ug/kg	SW846 8260B
cis-1,2-Dichloroethene		29.8	2.4	0.61	ug/kg	SW846 8260B
trans-1,2-Dichloroethene		1.6 J	2.4	0.53	ug/kg	SW846 8260B
Ethylbenzene		0.46 J	2.4	0.21	ug/kg	SW846 8260B
Methylene chloride		30.8	2.4	1.9	ug/kg	SW846 8260B
Tetrachloroethene		17.3	2.4	0.53	ug/kg	SW846 8260B
Toluene		1.3 J	6.0	0.29	ug/kg	SW846 8260B
1,2,4-Trichlorobenzene		4.6 J	6.0	0.43	ug/kg	SW846 8260B
Trichloroethene		35.2	2.4	0.57	ug/kg	SW846 8260B
Xylene (total)		1.2 J	2.4	0.25	ug/kg	SW846 8260B
Acenaphthylene [a]		117 J	580	58	ug/kg	SW846 8270C
Anthracene [a]		148 J	580	70	ug/kg	SW846 8270C

Summary of Hits

Job Number: MC23272
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Collected: 07/31/13 thru 08/02/13

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Benzo(a)anthracene [a]	454 J	580	75	ug/kg	SW846 8270C
Benzo(a)pyrene [a]	338 J	580	62	ug/kg	SW846 8270C
Benzo(b)fluoranthene [a]	347 J	580	72	ug/kg	SW846 8270C
Benzo(g,h,i)perylene [a]	388 J	580	58	ug/kg	SW846 8270C
Benzo(k)fluoranthene [a]	257 J	580	87	ug/kg	SW846 8270C
Chrysene [a]	477 J	580	72	ug/kg	SW846 8270C
Dibenzo(a,h)anthracene [a]	84.0 J	580	69	ug/kg	SW846 8270C
Fluoranthene [a]	907	580	79	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene [a]	221 J	580	64	ug/kg	SW846 8270C
2-Methylnaphthalene [a]	106 J	580	73	ug/kg	SW846 8270C
Phenanthrene [a]	516 J	580	78	ug/kg	SW846 8270C
Pyrene [a]	556 J	580	68	ug/kg	SW846 8270C
Arsenic	15.5	0.98	0.20	mg/kg	SW846 6010C
Barium	166	4.9	0.071	mg/kg	SW846 6010C
Cadmium	1.7	0.39	0.041	mg/kg	SW846 6010C
Chromium	21.7	0.98	0.093	mg/kg	SW846 6010C
Lead	187	0.98	0.16	mg/kg	SW846 6010C
Mercury	0.097	0.036	0.010	mg/kg	SW846 7471B
Selenium	0.62 B	0.98	0.34	mg/kg	SW846 6010C
Cyanide	0.45	0.14	0.029	mg/kg	SW846 9012 M

(a) Elevated RL due to dilution required for matrix interference.

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@140569 16:51 20-Aug-2013

Report of Analysis

Client Sample ID:	SB-234/7'		
Lab Sample ID:	MC23272-1	**Date Sampled:**	08/01/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8260B	**Percent Solids:**	89.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K72967.D	1	08/08/13	GK	n/a	n/a	MSK2375
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.5 g	10.0 ml	100 ul
Run #2			

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	590	230	ug/kg	
71-43-2	Benzene	34.9	29	15	ug/kg	
75-27-4	Bromodichloromethane	ND	120	21	ug/kg	
75-25-2	Bromoform	ND	120	17	ug/kg	
74-83-9	Bromomethane	ND	120	57	ug/kg	
78-93-3	2-Butanone (MEK)	ND	290	180	ug/kg	
75-15-0	Carbon disulfide	ND	290	8.9	ug/kg	
56-23-5	Carbon tetrachloride	ND	120	68	ug/kg	
108-90-7	Chlorobenzene	ND	120	16	ug/kg	
75-00-3	Chloroethane	ND	290	35	ug/kg	
67-66-3	Chloroform	ND	120	17	ug/kg	
74-87-3	Chloromethane	ND	290	72	ug/kg	
110-82-7	Cyclohexane	ND	290	16	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	290	120	ug/kg	
124-48-1	Dibromochloromethane	ND	120	25	ug/kg	
106-93-4	1,2-Dibromoethane	ND	120	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	120	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	120	13	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	120	12	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	120	66	ug/kg	
75-34-3	1,1-Dichloroethane	ND	120	20	ug/kg	
107-06-2	1,2-Dichloroethane	ND	120	32	ug/kg	
75-35-4	1,1-Dichloroethene	ND	120	31	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	120	30	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	120	26	ug/kg	
78-87-5	1,2-Dichloropropane	ND	120	25	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	120	17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	120	17	ug/kg	
100-41-4	Ethylbenzene	73.4	120	10	ug/kg	J
76-13-1	Freon 113	ND	290	54	ug/kg	
591-78-6	2-Hexanone	ND	290	140	ug/kg	
98-82-8	Isopropylbenzene	16.7	290	16	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-234/7'		
Lab Sample ID:	MC23272-1	**Date Sampled:**	08/01/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8260B	**Percent Solids:**	89.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	290	160	ug/kg	
108-87-2	Methylcyclohexane	87.8	290	13	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	120	23	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	290	110	ug/kg	
75-09-2	Methylene chloride	ND	120	91	ug/kg	
100-42-5	Styrene	ND	290	12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	120	17	ug/kg	
127-18-4	Tetrachloroethene	34.1	120	26	ug/kg	J
108-88-3	Toluene	112	290	14	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	290	21	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	120	11	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	120	20	ug/kg	
79-01-6	Trichloroethene	86.4	120	28	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	120	62	ug/kg	
75-01-4	Vinyl chloride	ND	120	33	ug/kg	
1330-20-7	Xylene (total)	146	120	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
78-78-4	Butane, 2-methyl-	5.70	40000	ug/kg	JN
109-66-0	Pentane	6.10	85000	ug/kg	JN
107-83-5	Pentane, 2-methyl-	7.38	71000	ug/kg	JN
591-76-4	Hexane, 2-methyl-	9.37	580	ug/kg	JN
589-34-4	Hexane, 3-methyl-	9.56	840	ug/kg	JN
592-27-8	Heptane, 2-methyl-	11.25	470	ug/kg	JN
589-81-1	Heptane, 3-methyl-	11.40	500	ug/kg	JN
111-65-9	Octane	11.83	590	ug/kg	JN
2216-33-3	Octane, 3-methyl-	13.05	330	ug/kg	JN
111-84-2	Nonane	13.44	430	ug/kg	JN
	Total TIC, Volatile		199740	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SB-234/7'		
Lab Sample ID:	MC23272-1	**Date Sampled:**	08/01/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	89.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F66081.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058
Run #2							

	Initial Weight	Final Volume
Run #1	20.9 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	270	12	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	530	14	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	530	15	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	530	87	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	530	67	ug/kg	
95-48-7	2-Methylphenol	ND	530	21	ug/kg	
	3&4-Methylphenol	ND	530	26	ug/kg	
88-75-5	2-Nitrophenol	ND	530	14	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	100	ug/kg	
87-86-5	Pentachlorophenol	ND	530	38	ug/kg	
108-95-2	Phenol	ND	270	15	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	530	13	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	530	13	ug/kg	
83-32-9	Acenaphthene	ND	110	14	ug/kg	
208-96-8	Acenaphthylene	ND	110	11	ug/kg	
98-86-2	Acetophenone	ND	530	12	ug/kg	
120-12-7	Anthracene	ND	110	13	ug/kg	
1912-24-9	Atrazine	ND	530	530	ug/kg	
100-52-7	Benzaldehyde	ND	530	530	ug/kg	
56-55-3	Benzo(a)anthracene	ND	110	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	110	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	110	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	110	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	110	16	ug/kg	
92-52-4	1,1'-Biphenyl	ND	530	110	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	270	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	270	11	ug/kg	
105-60-2	Caprolactam	ND	530	530	ug/kg	
91-58-7	2-Chloronaphthalene	ND	270	14	ug/kg	
106-47-8	4-Chloroaniline	ND	530	13	ug/kg	
86-74-8	Carbazole	ND	110	13	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-234/7'		
Lab Sample ID:	MC23272-1	**Date Sampled:**	08/01/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	89.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	110	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	270	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	270	16	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	270	19	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	270	16	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	530	36	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	530	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	270	27	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	110	13	ug/kg	
132-64-9	Dibenzofuran	ND	110	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	270	28	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	270	8.4	ug/kg	
84-66-2	Diethyl phthalate	ND	270	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	270	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	33.7	270	9.9	ug/kg	J
206-44-0	Fluoranthene	ND	110	15	ug/kg	
86-73-7	Fluorene	ND	110	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	270	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	270	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	530	130	ug/kg	
67-72-1	Hexachloroethane	ND	270	13	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	110	12	ug/kg	
78-59-1	Isophorone	ND	270	12	ug/kg	
91-57-6	2-Methylnaphthalene	33.4	110	14	ug/kg	J
88-74-4	2-Nitroaniline	ND	530	13	ug/kg	
99-09-2	3-Nitroaniline	ND	530	29	ug/kg	
100-01-6	4-Nitroaniline	ND	530	13	ug/kg	
91-20-3	Naphthalene	30.9	110	17	ug/kg	J
98-95-3	Nitrobenzene	ND	270	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	270	15	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	270	16	ug/kg	
85-01-8	Phenanthrene	23.5	110	14	ug/kg	J
129-00-0	Pyrene	ND	110	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%		30-130%
4165-62-2	Phenol-d5	67%		30-130%
118-79-6	2,4,6-Tribromophenol	61%		30-130%
4165-60-0	Nitrobenzene-d5	73%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-234/7'		
Lab Sample ID:	MC23272-1	**Date Sampled:**	08/01/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	89.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	70%		30-130%
1718-51-0	Terphenyl-d14	74%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
111-65-9	Octane	2.67	290	ug/kg	JN
15869-93-9	Octane, 3,5-dimethyl-	3.84	400	ug/kg	JN
2051-30-1	Octane, 2,6-dimethyl-	3.91	320	ug/kg	JN
124-18-5	Decane	4.11	390	ug/kg	JN
10544-50-0	Cyclic octaatomic sulfur	9.74	420	ug/kg	JN
	Total TIC, Semi-Volatile		1820	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SB-217/8'		
Lab Sample ID:	MC23272-2	**Date Sampled:**	07/31/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8260B	**Percent Solids:**	93.4
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K72968.D	1	08/08/13	GK	n/a	n/a	MSK2375
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.4 g	10.0 ml	100 ul
Run #2			

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	200	ug/kg	
71-43-2	Benzene	69.4	25	12	ug/kg	
75-27-4	Bromodichloromethane	ND	100	18	ug/kg	
75-25-2	Bromoform	ND	100	15	ug/kg	
74-83-9	Bromomethane	ND	100	49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	250	160	ug/kg	
75-15-0	Carbon disulfide	ND	250	7.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	59	ug/kg	
108-90-7	Chlorobenzene	ND	100	14	ug/kg	
75-00-3	Chloroethane	ND	250	30	ug/kg	
67-66-3	Chloroform	ND	100	15	ug/kg	
74-87-3	Chloromethane	ND	250	61	ug/kg	
110-82-7	Cyclohexane	218	250	13	ug/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	100	ug/kg	
124-48-1	Dibromochloromethane	ND	100	21	ug/kg	
106-93-4	1,2-Dibromoethane	ND	100	29	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	100	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	100	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	100	10	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	100	56	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	27	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	26	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	26	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	22	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	15	ug/kg	
100-41-4	Ethylbenzene	70.1	100	8.9	ug/kg	J
76-13-1	Freon 113	ND	250	46	ug/kg	
591-78-6	2-Hexanone	ND	250	120	ug/kg	
98-82-8	Isopropylbenzene	18.1	250	14	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-217/8'		
Lab Sample ID:	MC23272-2	**Date Sampled:**	07/31/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8260B	**Percent Solids:**	93.4
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	250	140	ug/kg	
108-87-2	Methylcyclohexane	777	250	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	100	20	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	93	ug/kg	
75-09-2	Methylene chloride	ND	100	78	ug/kg	
100-42-5	Styrene	ND	250	10	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	15	ug/kg	
127-18-4	Tetrachloroethene	ND	100	22	ug/kg	
108-88-3	Toluene	766	250	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	18	ug/kg	
71-55-6	1,1,1-Trichloroethane	26.8	100	9.1	ug/kg	J
79-00-5	1,1,2-Trichloroethane	ND	100	17	ug/kg	
79-01-6	Trichloroethene	ND	100	24	ug/kg	
75-69-4	Trichlorofluoromethane	ND	100	53	ug/kg	
75-01-4	Vinyl chloride	ND	100	29	ug/kg	
1330-20-7	Xylene (total)	968	100	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
78-78-4	Butane, 2-methyl-	5.71	270000	ug/kg	JN
109-66-0	Pentane	6.10	110000	ug/kg	JN
75-83-2	Butane, 2,2-dimethyl-	6.77	25000	ug/kg	JN
107-83-5	Pentane, 2-methyl-	7.39	180000	ug/kg	JN
96-14-0	Pentane, 3-methyl-	7.68	850	ug/kg	JN
589-34-4	Hexane, 3-methyl-	9.56	670	ug/kg	JN
592-27-8	Heptane, 2-methyl-	11.25	430	ug/kg	JN
589-81-1	Heptane, 3-methyl-	11.40	300	ug/kg	JN
	Total TIC, Volatile		587250	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SB-241/0.5-2'		
Lab Sample ID:	MC23272-3	**Date Sampled:**	08/02/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8260B	**Percent Solids:**	84.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K72969.D	1	08/08/13	GK	n/a	n/a	MSK2375
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.28 g	10.0 ml	100 ul
Run #2			

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	730	280	ug/kg	
71-43-2	Benzene	ND	36	18	ug/kg	
75-27-4	Bromodichloromethane	ND	150	26	ug/kg	
75-25-2	Bromoform	ND	150	21	ug/kg	
74-83-9	Bromomethane	ND	150	71	ug/kg	
78-93-3	2-Butanone (MEK)	ND	360	220	ug/kg	
75-15-0	Carbon disulfide	ND	360	11	ug/kg	
56-23-5	Carbon tetrachloride	ND	150	84	ug/kg	
108-90-7	Chlorobenzene	ND	150	20	ug/kg	
75-00-3	Chloroethane	ND	360	44	ug/kg	
67-66-3	Chloroform	ND	150	21	ug/kg	
74-87-3	Chloromethane	ND	360	89	ug/kg	
110-82-7	Cyclohexane	ND	360	19	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	360	150	ug/kg	
124-48-1	Dibromochloromethane	ND	150	31	ug/kg	
106-93-4	1,2-Dibromoethane	ND	150	41	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	150	15	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	150	16	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	150	15	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	150	81	ug/kg	
75-34-3	1,1-Dichloroethane	ND	150	24	ug/kg	
107-06-2	1,2-Dichloroethane	ND	150	39	ug/kg	
75-35-4	1,1-Dichloroethene	ND	150	38	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	150	37	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	150	32	ug/kg	
78-87-5	1,2-Dichloropropane	ND	150	31	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	150	21	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	150	21	ug/kg	
100-41-4	Ethylbenzene	14.8	150	13	ug/kg	J
76-13-1	Freon 113	ND	360	67	ug/kg	
591-78-6	2-Hexanone	ND	360	180	ug/kg	
98-82-8	Isopropylbenzene	ND	360	20	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-241/0.5-2'		
Lab Sample ID:	MC23272-3	**Date Sampled:**	08/02/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8260B	**Percent Solids:**	84.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	360	200	ug/kg	
108-87-2	Methylcyclohexane	109	360	15	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	150	29	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	360	130	ug/kg	
75-09-2	Methylene chloride	ND	150	110	ug/kg	
100-42-5	Styrene	ND	360	15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	150	21	ug/kg	
127-18-4	Tetrachloroethene	ND	150	32	ug/kg	
108-88-3	Toluene	26.1	360	18	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	360	26	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	150	13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	150	25	ug/kg	
79-01-6	Trichloroethene	357	150	34	ug/kg	
75-69-4	Trichlorofluoromethane	ND	150	76	ug/kg	
75-01-4	Vinyl chloride	ND	150	41	ug/kg	
1330-20-7	Xylene (total)	68.3	150	15	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
7785-70-8	1R-.alpha.-Pinene	14.31	2300	ug/kg	JN
	Total TIC, Volatile		2300	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: SB-241/0.5-2'
Lab Sample ID: MC23272-3 **Date Sampled:** 08/02/13
Matrix: SO - Soil **Date Received:** 08/03/13
Method: SW846 8270C SW846 3546 **Percent Solids:** 84.7
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F66082.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	290	13	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	580	15	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	580	17	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	580	95	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	580	73	ug/kg	
95-48-7	2-Methylphenol	ND	580	23	ug/kg	
	3&4-Methylphenol	ND	580	28	ug/kg	
88-75-5	2-Nitrophenol	ND	580	16	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	110	ug/kg	
87-86-5	Pentachlorophenol	ND	580	41	ug/kg	
108-95-2	Phenol	ND	290	17	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	580	15	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	580	14	ug/kg	
83-32-9	Acenaphthene	66.2	120	16	ug/kg	J
208-96-8	Acenaphthylene	84.4	120	12	ug/kg	J
98-86-2	Acetophenone	32.1	580	13	ug/kg	J
120-12-7	Anthracene	205	120	14	ug/kg	
1912-24-9	Atrazine	ND	580	580	ug/kg	
100-52-7	Benzaldehyde	ND	580	580	ug/kg	
56-55-3	Benzo(a)anthracene	336	120	15	ug/kg	
50-32-8	Benzo(a)pyrene	208	120	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	336	120	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	136	120	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	250	120	18	ug/kg	
92-52-4	1,1'-Biphenyl	ND	580	120	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	290	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	290	12	ug/kg	
105-60-2	Caprolactam	ND	580	580	ug/kg	
91-58-7	2-Chloronaphthalene	ND	290	16	ug/kg	
106-47-8	4-Chloroaniline	ND	580	15	ug/kg	
86-74-8	Carbazole	173	120	14	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-241/0.5-2'		
Lab Sample ID:	MC23272-3	**Date Sampled:**	08/02/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	84.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	583	120	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	290	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	290	18	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	290	21	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	290	18	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	580	39	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	580	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	290	29	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	51.9	120	14	ug/kg	J
132-64-9	Dibenzofuran	152	120	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	290	31	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	290	9.1	ug/kg	
84-66-2	Diethyl phthalate	ND	290	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	290	17	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	39.3	290	11	ug/kg	J
206-44-0	Fluoranthene	1070	120	16	ug/kg	
86-73-7	Fluorene	47.6	120	15	ug/kg	J
118-74-1	Hexachlorobenzene	ND	290	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	580	150	ug/kg	
67-72-1	Hexachloroethane	ND	290	14	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	117	120	13	ug/kg	J
78-59-1	Isophorone	ND	290	13	ug/kg	
91-57-6	2-Methylnaphthalene	211	120	15	ug/kg	
88-74-4	2-Nitroaniline	ND	580	15	ug/kg	
99-09-2	3-Nitroaniline	ND	580	32	ug/kg	
100-01-6	4-Nitroaniline	ND	580	15	ug/kg	
91-20-3	Naphthalene	195	120	19	ug/kg	
98-95-3	Nitrobenzene	ND	290	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	290	17	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	290	18	ug/kg	
85-01-8	Phenanthrene	871	120	16	ug/kg	
129-00-0	Pyrene	754	120	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	52%		30-130%
4165-62-2	Phenol-d5	58%		30-130%
118-79-6	2,4,6-Tribromophenol	51%		30-130%
4165-60-0	Nitrobenzene-d5	66%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-241/0.5-2'		
Lab Sample ID:	MC23272-3	**Date Sampled:**	08/02/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	84.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	67%		30-130%
1718-51-0	Terphenyl-d14	73%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
7785-70-8	1R-.alpha.-Pinene	3.69	1400	ug/kg	JN
582-16-1	Naphthalene, 2,7-dimethyl-	6.68	680	ug/kg	JN
2245-38-7	Naphthalene, 1,6,7-trimethyl-	7.31	310	ug/kg	JN
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl	7.92	340	ug/kg	JN
949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	9.04	310	ug/kg	JN
593-45-3	Octadecane	9.26	340	ug/kg	JN
3674-66-6	Phenanthrene, 2,5-dimethyl-	9.62	330	ug/kg	JN
1740-19-8	1-Phenanthrenecarboxylic acid, 1,2	11.11	1100	ug/kg	JN
1000285-40-2	.beta.-iso-Methyl ionone	13.63	400	ug/kg	JN
	Total TIC, Semi-Volatile		5210	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: SB-241/0.5-2'
Lab Sample ID: MC23272-3 **Date Sampled:** 08/02/13
Matrix: SO - Soil **Date Received:** 08/03/13
Method: SW846 8081 SW846 3546 **Percent Solids:** 84.7
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE37682.D	1	08/15/13	NK	08/07/13	OP34308	GBE1960
Run #2							

	Initial Weight	Final Volume
Run #1	5.69 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	21	6.3	ug/kg	
319-84-6	alpha-BHC	ND	21	5.0	ug/kg	
319-85-7	beta-BHC	ND	21	6.9	ug/kg	
319-86-8	delta-BHC	ND	21	3.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	21	6.3	ug/kg	
5103-71-9	alpha-Chlordane	ND	21	7.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	21	6.3	ug/kg	
60-57-1	Dieldrin	ND	21	6.6	ug/kg	
72-54-8	4,4'-DDD	ND	21	6.8	ug/kg	
72-55-9	4,4'-DDE	ND	21	8.5	ug/kg	
50-29-3	4,4'-DDT	ND	21	6.5	ug/kg	
72-20-8	Endrin	ND	21	8.2	ug/kg	
1031-07-8	Endosulfan sulfate	ND	21	7.0	ug/kg	
7421-93-4	Endrin aldehyde	ND	21	6.4	ug/kg	
959-98-8	Endosulfan-I	ND	21	8.1	ug/kg	
33213-65-9	Endosulfan-II	ND	21	6.7	ug/kg	
76-44-8	Heptachlor	ND	21	6.1	ug/kg	
1024-57-3	Heptachlor epoxide	ND	21	6.4	ug/kg	
72-43-5	Methoxychlor	ND	21	8.3	ug/kg	
53494-70-5	Endrin ketone	ND	21	7.6	ug/kg	
8001-35-2	Toxaphene	ND	210	110	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	48%		30-150%
877-09-8	Tetrachloro-m-xylene	54%		30-150%
2051-24-3	Decachlorobiphenyl	46%		30-150%
2051-24-3	Decachlorobiphenyl	55%		30-150%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SB-241/0.5-2'		
Lab Sample ID:	MC23272-3	**Date Sampled:**	08/02/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8082 SW846 3546	**Percent Solids:**	84.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK28002.D	1	08/16/13	NK	08/07/13	OP34307	GBK953
Run #2							

	Initial Weight	Final Volume
Run #1	5.69 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	100	47	ug/kg	
11104-28-2	Aroclor 1221	ND	100	62	ug/kg	
11141-16-5	Aroclor 1232	ND	100	49	ug/kg	
53469-21-9	Aroclor 1242	ND	100	52	ug/kg	
12672-29-6	Aroclor 1248	ND	100	46	ug/kg	
11097-69-1	Aroclor 1254	ND	100	76	ug/kg	
11096-82-5	Aroclor 1260	ND	100	53	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		30-150%
877-09-8	Tetrachloro-m-xylene	70%		30-150%
2051-24-3	Decachlorobiphenyl	88%		30-150%
2051-24-3	Decachlorobiphenyl	73%		30-150%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SB-223/1'		
Lab Sample ID:	MC23272-4	**Date Sampled:**	08/01/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8260B	**Percent Solids:**	87.1
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K72970.D	1	08/08/13	GK	n/a	n/a	MSK2375
Run #2	K72996.D	1	08/09/13	GK	n/a	n/a	MSK2376

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.35 g	10.0 ml	100 ul
Run #2	9.35 g	10.0 ml	10.0 ul

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	690	270	ug/kg	
71-43-2	Benzene	ND	34	17	ug/kg	
75-27-4	Bromodichloromethane	ND	140	25	ug/kg	
75-25-2	Bromoform	ND	140	20	ug/kg	
74-83-9	Bromomethane	ND	140	67	ug/kg	
78-93-3	2-Butanone (MEK)	ND	340	210	ug/kg	
75-15-0	Carbon disulfide	ND	340	10	ug/kg	
56-23-5	Carbon tetrachloride	ND	140	80	ug/kg	
108-90-7	Chlorobenzene	ND	140	19	ug/kg	
75-00-3	Chloroethane	ND	340	41	ug/kg	
67-66-3	Chloroform	ND	140	20	ug/kg	
74-87-3	Chloromethane	ND	340	84	ug/kg	
110-82-7	Cyclohexane	ND	340	18	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	340	140	ug/kg	
124-48-1	Dibromochloromethane	ND	140	29	ug/kg	
106-93-4	1,2-Dibromoethane	ND	140	39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	140	14	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	140	15	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	140	14	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	140	77	ug/kg	
75-34-3	1,1-Dichloroethane	ND	140	23	ug/kg	
107-06-2	1,2-Dichloroethane	ND	140	37	ug/kg	
75-35-4	1,1-Dichloroethene	ND	140	36	ug/kg	
156-59-2	cis-1,2-Dichloroethene	3740	140	35	ug/kg	
156-60-5	trans-1,2-Dichloroethene	94.4	140	31	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	140	29	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	140	20	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	140	20	ug/kg	
100-41-4	Ethylbenzene	ND	140	12	ug/kg	
76-13-1	Freon 113	ND	340	63	ug/kg	
591-78-6	2-Hexanone	ND	340	170	ug/kg	
98-82-8	Isopropylbenzene	ND	340	19	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-223/1'		
Lab Sample ID:	MC23272-4	**Date Sampled:**	08/01/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8260B	**Percent Solids:**	87.1
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	340	190	ug/kg	
108-87-2	Methylcyclohexane	ND	340	15	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	140	27	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	340	130	ug/kg	
75-09-2	Methylene chloride	ND	140	110	ug/kg	
100-42-5	Styrene	ND	340	14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	140	20	ug/kg	
127-18-4	Tetrachloroethene	75200 [a]	1400	300	ug/kg	
108-88-3	Toluene	ND	340	17	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	340	25	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	140	12	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	140	24	ug/kg	
79-01-6	Trichloroethene	1960	140	33	ug/kg	
75-69-4	Trichlorofluoromethane	ND	140	72	ug/kg	
75-01-4	Vinyl chloride	ND	140	39	ug/kg	
1330-20-7	Xylene (total)	ND	140	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	114%	110%	70-130%
2037-26-5	Toluene-D8	109%	102%	70-130%
460-00-4	4-Bromofluorobenzene	105%	102%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: SB-223/1'
Lab Sample ID: MC23272-4
Matrix: SO - Soil
Method: SW846 8270C SW846 3546
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Date Sampled: 08/01/13
Date Received: 08/03/13
Percent Solids: 87.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F66083.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	280	13	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	560	14	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	560	16	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	560	92	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	560	71	ug/kg	
95-48-7	2-Methylphenol	ND	560	22	ug/kg	
	3&4-Methylphenol	ND	560	27	ug/kg	
88-75-5	2-Nitrophenol	ND	560	15	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	110	ug/kg	
87-86-5	Pentachlorophenol	ND	560	40	ug/kg	
108-95-2	Phenol	ND	280	16	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	560	14	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	560	14	ug/kg	
83-32-9	Acenaphthene	57.7	110	15	ug/kg	J
208-96-8	Acenaphthylene	69.7	110	11	ug/kg	J
98-86-2	Acetophenone	ND	560	12	ug/kg	
120-12-7	Anthracene	285	110	14	ug/kg	
1912-24-9	Atrazine	ND	560	560	ug/kg	
100-52-7	Benzaldehyde	ND	560	560	ug/kg	
56-55-3	Benzo(a)anthracene	535	110	15	ug/kg	
50-32-8	Benzo(a)pyrene	402	110	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	424	110	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	178	110	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	293	110	17	ug/kg	
92-52-4	1,1'-Biphenyl	ND	560	110	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	280	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	280	12	ug/kg	
105-60-2	Caprolactam	ND	560	560	ug/kg	
91-58-7	2-Chloronaphthalene	ND	280	15	ug/kg	
106-47-8	4-Chloroaniline	ND	560	14	ug/kg	
86-74-8	Carbazole	124	110	13	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-223/1'		
Lab Sample ID:	MC23272-4	**Date Sampled:**	08/01/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	87.1
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	488	110	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	280	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	280	17	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	280	20	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	280	17	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	560	38	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	560	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	280	28	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	84.4	110	13	ug/kg	J
132-64-9	Dibenzofuran	186	110	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	280	30	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	280	8.8	ug/kg	
84-66-2	Diethyl phthalate	ND	280	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	280	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	45.4	280	10	ug/kg	J
206-44-0	Fluoranthene	1460	110	15	ug/kg	
86-73-7	Fluorene	328	110	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	280	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	280	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	560	140	ug/kg	
67-72-1	Hexachloroethane	ND	280	14	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	196	110	12	ug/kg	
78-59-1	Isophorone	ND	280	13	ug/kg	
91-57-6	2-Methylnaphthalene	126	110	14	ug/kg	
88-74-4	2-Nitroaniline	ND	560	14	ug/kg	
99-09-2	3-Nitroaniline	ND	560	31	ug/kg	
100-01-6	4-Nitroaniline	ND	560	14	ug/kg	
91-20-3	Naphthalene	255	110	18	ug/kg	
98-95-3	Nitrobenzene	ND	280	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	280	16	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	280	17	ug/kg	
85-01-8	Phenanthrene	1380	110	15	ug/kg	
129-00-0	Pyrene	875	110	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	59%		30-130%
4165-62-2	Phenol-d5	62%		30-130%
118-79-6	2,4,6-Tribromophenol	63%		30-130%
4165-60-0	Nitrobenzene-d5	73%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-223/1'		
Lab Sample ID:	MC23272-4	**Date Sampled:**	08/01/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	87.1
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	75%		30-130%
1718-51-0	Terphenyl-d14	85%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
127-18-4	Tetrachloroethylene	2.78	21000	ug/kg	JN
	Total TIC, Semi-Volatile		21000	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SB-247/6'		
Lab Sample ID:	MC23272-5	**Date Sampled:**	08/02/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8260B	**Percent Solids:**	88.5
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G130434.D	1	08/13/13	JM	n/a	n/a	MSG5087
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.1 g	10.0 ml	100 ul
Run #2			

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	630	240	ug/kg	
71-43-2	Benzene	ND	31	15	ug/kg	
75-27-4	Bromodichloromethane	ND	130	23	ug/kg	
75-25-2	Bromoform	ND	130	18	ug/kg	
74-83-9	Bromomethane	ND	130	61	ug/kg	
78-93-3	2-Butanone (MEK)	ND	310	190	ug/kg	
75-15-0	Carbon disulfide	ND	310	9.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	130	73	ug/kg	
108-90-7	Chlorobenzene	ND	130	17	ug/kg	
75-00-3	Chloroethane	ND	310	38	ug/kg	
67-66-3	Chloroform	ND	130	18	ug/kg	
74-87-3	Chloromethane	ND	310	76	ug/kg	
110-82-7	Cyclohexane	ND	310	17	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	310	130	ug/kg	
124-48-1	Dibromochloromethane	ND	130	27	ug/kg	
106-93-4	1,2-Dibromoethane	ND	130	35	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	130	13	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	130	14	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	130	13	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	130	70	ug/kg	
75-34-3	1,1-Dichloroethane	ND	130	21	ug/kg	
107-06-2	1,2-Dichloroethane	ND	130	34	ug/kg	
75-35-4	1,1-Dichloroethene	ND	130	33	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	130	32	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	130	28	ug/kg	
78-87-5	1,2-Dichloropropane	ND	130	26	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	130	18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	130	18	ug/kg	
100-41-4	Ethylbenzene	ND	130	11	ug/kg	
76-13-1	Freon 113	ND	310	57	ug/kg	
591-78-6	2-Hexanone	ND	310	150	ug/kg	
98-82-8	Isopropylbenzene	ND	310	17	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-247/6'		
Lab Sample ID:	MC23272-5	**Date Sampled:**	08/02/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8260B	**Percent Solids:**	88.5
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	310	170	ug/kg	
108-87-2	Methylcyclohexane	ND	310	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	130	25	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	310	120	ug/kg	
75-09-2	Methylene chloride	ND	130	97	ug/kg	
100-42-5	Styrene	ND	310	13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	130	18	ug/kg	
127-18-4	Tetrachloroethene	105	130	28	ug/kg	J
108-88-3	Toluene	ND	310	15	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	310	23	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	130	11	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	130	22	ug/kg	
79-01-6	Trichloroethene	ND	130	30	ug/kg	
75-69-4	Trichlorofluoromethane	ND	130	66	ug/kg	
75-01-4	Vinyl chloride	ND	130	36	ug/kg	
1330-20-7	Xylene (total)	ND	130	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
111-84-2	Nonane	9.41	630	ug/kg	JN
871-83-0	Nonane, 2-methyl-	10.35	980	ug/kg	JN
5911-04-6	Nonane, 3-methyl-	10.49	450	ug/kg	JN
13151-35-4	Decane, 5-methyl-	11.65	610	ug/kg	JN
13150-81-7	2,6-Dimethyldecane	11.73	690	ug/kg	JN
13151-34-3	Decane, 3-methyl-	11.85	450	ug/kg	JN
13150-81-7	2,6-Dimethyldecane	12.88	500	ug/kg	JN
1002-43-3	Undecane, 3-methyl-	13.08	430	ug/kg	JN
112-40-3	Dodecane	13.41	1100	ug/kg	JN
90-12-0	Naphthalene, 1-methyl-	15.89	410	ug/kg	JN
90-12-0	Naphthalene, 1-methyl-	16.15	460	ug/kg	JN
571-58-4	Naphthalene, 1,4-dimethyl-	17.16	420	ug/kg	JN
	Total TIC, Volatile		7130	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: SB-247/6'
Lab Sample ID: MC23272-5
Matrix: SO - Soil
Method: SW846 8270C SW846 3546
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Date Sampled: 08/02/13
Date Received: 08/03/13
Percent Solids: 88.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F66084.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058
Run #2							

	Initial Weight	Final Volume
Run #1	20.5 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	280	12	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	550	14	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	550	16	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	550	90	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	550	69	ug/kg	
95-48-7	2-Methylphenol	ND	550	22	ug/kg	
	3&4-Methylphenol	ND	550	27	ug/kg	
88-75-5	2-Nitrophenol	ND	550	15	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	100	ug/kg	
87-86-5	Pentachlorophenol	ND	550	39	ug/kg	
108-95-2	Phenol	ND	280	16	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	550	14	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	550	14	ug/kg	
83-32-9	Acenaphthene	191	110	15	ug/kg	
208-96-8	Acenaphthylene	24.2	110	11	ug/kg	J
98-86-2	Acetophenone	ND	550	12	ug/kg	
120-12-7	Anthracene	427	110	13	ug/kg	
1912-24-9	Atrazine	ND	550	550	ug/kg	
100-52-7	Benzaldehyde	ND	550	550	ug/kg	
56-55-3	Benzo(a)anthracene	1110	110	14	ug/kg	
50-32-8	Benzo(a)pyrene	967	110	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	912	110	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	486	110	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	666	110	17	ug/kg	
92-52-4	1,1'-Biphenyl	ND	550	110	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	280	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	280	11	ug/kg	
105-60-2	Caprolactam	ND	550	550	ug/kg	
91-58-7	2-Chloronaphthalene	ND	280	15	ug/kg	
106-47-8	4-Chloroaniline	ND	550	14	ug/kg	
86-74-8	Carbazole	200	110	13	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-247/6'
Lab Sample ID: MC23272-5 **Date Sampled:** 08/02/13
Matrix: SO - Soil **Date Received:** 08/03/13
Method: SW846 8270C SW846 3546 **Percent Solids:** 88.5
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	1040	110	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	280	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	280	17	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	280	20	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	280	17	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	550	37	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	550	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	280	28	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	192	110	13	ug/kg	
132-64-9	Dibenzofuran	110	110	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	280	29	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	280	8.6	ug/kg	
84-66-2	Diethyl phthalate	ND	280	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	280	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	39.4	280	10	ug/kg	J
206-44-0	Fluoranthene	2430	110	15	ug/kg	
86-73-7	Fluorene	174	110	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	280	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	280	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	550	140	ug/kg	
67-72-1	Hexachloroethane	ND	280	13	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	486	110	12	ug/kg	
78-59-1	Isophorone	ND	280	13	ug/kg	
91-57-6	2-Methylnaphthalene	62.2	110	14	ug/kg	J
88-74-4	2-Nitroaniline	ND	550	14	ug/kg	
99-09-2	3-Nitroaniline	ND	550	30	ug/kg	
100-01-6	4-Nitroaniline	ND	550	14	ug/kg	
91-20-3	Naphthalene	119	110	18	ug/kg	
98-95-3	Nitrobenzene	ND	280	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	280	16	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	280	17	ug/kg	
85-01-8	Phenanthrene	1660	110	15	ug/kg	
129-00-0	Pyrene	1880	110	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	71%		30-130%
4165-62-2	Phenol-d5	73%		30-130%
118-79-6	2,4,6-Tribromophenol	69%		30-130%
4165-60-0	Nitrobenzene-d5	79%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-247/6'		
Lab Sample ID:	MC23272-5	**Date Sampled:**	08/02/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	88.5
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	78%		30-130%
1718-51-0	Terphenyl-d14	85%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
2531-84-2	Phenanthrene, 2-methyl-	9.01	230	ug/kg	JN
613-12-7	Anthracene, 2-methyl-	9.04	240	ug/kg	JN
2381-21-7	Pyrene, 1-methyl-	10.33	270	ug/kg	JN
3442-78-2	Pyrene, 2-methyl-	10.44	250	ug/kg	JN
2498-66-0	Benz(A)anthracene-7,12-dione	12.05	280	ug/kg	JN
191-26-4	Dibenzo[def,mno]chrysene	14.24	900	ug/kg	JN
189-64-0	3,4:8,9-Dibenzopyrene	15.46	220	ug/kg	JN
	Total TIC, Semi-Volatile		2390	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SB-248/7.5'		
Lab Sample ID:	MC23272-6	**Date Sampled:**	08/02/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8260B	**Percent Solids:**	85.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P71024.D	1	08/14/13	KD	n/a	n/a	MSP2326
Run #2							

	Initial Weight	Final Volume
Run #1	4.86 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	210	12	4.7	ug/kg	
71-43-2	Benzene	ND	0.60	0.30	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.43	ug/kg	
75-25-2	Bromoform	ND	2.4	0.35	ug/kg	
74-83-9	Bromomethane	ND	2.4	1.2	ug/kg	
78-93-3	2-Butanone (MEK)	21.1	6.0	3.7	ug/kg	
75-15-0	Carbon disulfide	13.4	6.0	0.18	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.32	ug/kg	
75-00-3	Chloroethane	ND	6.0	0.72	ug/kg	
67-66-3	Chloroform	0.67	2.4	0.35	ug/kg	J
74-87-3	Chloromethane	5.5	6.0	1.5	ug/kg	J
110-82-7	Cyclohexane	0.55	6.0	0.32	ug/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.0	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.51	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.4	0.68	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.4	0.25	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.4	0.27	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.4	0.24	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.4	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.4	0.40	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.4	0.65	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.4	0.63	ug/kg	
156-59-2	cis-1,2-Dichloroethene	29.8	2.4	0.61	ug/kg	
156-60-5	trans-1,2-Dichloroethene	1.6	2.4	0.53	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	2.4	0.51	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.35	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.35	ug/kg	
100-41-4	Ethylbenzene	0.46	2.4	0.21	ug/kg	J
76-13-1	Freon 113	ND	6.0	1.1	ug/kg	
591-78-6	2-Hexanone	ND	6.0	2.9	ug/kg	
98-82-8	Isopropylbenzene	ND	6.0	0.33	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-248/7.5'		
Lab Sample ID:	MC23272-6	**Date Sampled:**	08/02/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8260B	**Percent Solids:**	85.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.0	3.3	ug/kg	
108-87-2	Methylcyclohexane	ND	6.0	0.26	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.4	0.48	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.0	2.2	ug/kg	
75-09-2	Methylene chloride	30.8	2.4	1.9	ug/kg	
100-42-5	Styrene	ND	6.0	0.25	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.35	ug/kg	
127-18-4	Tetrachloroethene	17.3	2.4	0.53	ug/kg	
108-88-3	Toluene	1.3	6.0	0.29	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	4.6	6.0	0.43	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.22	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.42	ug/kg	
79-01-6	Trichloroethene	35.2	2.4	0.57	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.4	1.3	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	0.68	ug/kg	
1330-20-7	Xylene (total)	1.2	2.4	0.25	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	115%		70-130%
2037-26-5	Toluene-D8	71%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@140569 16:51 20-Aug-2013

Report of Analysis

Client Sample ID:	SB-248/7.5'		
Lab Sample ID:	MC23272-6	**Date Sampled:**	08/02/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	85.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F66085.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058
Run #2							

	Initial Weight	Final Volume
Run #1	20.2 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	1400	65	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	2900	73	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	2900	83	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	2900	470	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	5800	720	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	2900	360	ug/kg	
95-48-7	2-Methylphenol	ND	2900	110	ug/kg	
	3&4-Methylphenol	ND	2900	140	ug/kg	
88-75-5	2-Nitrophenol	ND	2900	77	ug/kg	
100-02-7	4-Nitrophenol	ND	5800	540	ug/kg	
87-86-5	Pentachlorophenol	ND	2900	200	ug/kg	
108-95-2	Phenol	ND	1400	82	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	2900	72	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	2900	71	ug/kg	
83-32-9	Acenaphthene	ND	580	77	ug/kg	
208-96-8	Acenaphthylene	117	580	58	ug/kg	J
98-86-2	Acetophenone	ND	2900	64	ug/kg	
120-12-7	Anthracene	148	580	70	ug/kg	J
1912-24-9	Atrazine	ND	2900	2900	ug/kg	
100-52-7	Benzaldehyde	ND	2900	2900	ug/kg	
56-55-3	Benzo(a)anthracene	454	580	75	ug/kg	J
50-32-8	Benzo(a)pyrene	338	580	62	ug/kg	J
205-99-2	Benzo(b)fluoranthene	347	580	72	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	388	580	58	ug/kg	J
207-08-9	Benzo(k)fluoranthene	257	580	87	ug/kg	J
92-52-4	1,1'-Biphenyl	ND	2900	580	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	1400	73	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	1400	59	ug/kg	
105-60-2	Caprolactam	ND	2900	2900	ug/kg	
91-58-7	2-Chloronaphthalene	ND	1400	78	ug/kg	
106-47-8	4-Chloroaniline	ND	2900	72	ug/kg	
86-74-8	Carbazole	ND	580	68	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-248/7.5'		
Lab Sample ID:	MC23272-6	**Date Sampled:**	08/02/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	85.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	477	580	72	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	1400	68	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	1400	88	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	1400	100	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1400	89	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2900	190	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2900	72	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1400	140	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	84.0	580	69	ug/kg	J
132-64-9	Dibenzofuran	ND	580	80	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	1400	150	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	1400	45	ug/kg	
84-66-2	Diethyl phthalate	ND	1400	72	ug/kg	
131-11-3	Dimethyl phthalate	ND	1400	84	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1400	53	ug/kg	
206-44-0	Fluoranthene	907	580	79	ug/kg	
86-73-7	Fluorene	ND	580	77	ug/kg	
118-74-1	Hexachlorobenzene	ND	1400	91	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1400	84	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	2900	720	ug/kg	
67-72-1	Hexachloroethane	ND	1400	70	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	221	580	64	ug/kg	J
78-59-1	Isophorone	ND	1400	67	ug/kg	
91-57-6	2-Methylnaphthalene	106	580	73	ug/kg	J
88-74-4	2-Nitroaniline	ND	2900	72	ug/kg	
99-09-2	3-Nitroaniline	ND	2900	160	ug/kg	
100-01-6	4-Nitroaniline	ND	2900	72	ug/kg	
91-20-3	Naphthalene	ND	580	93	ug/kg	
98-95-3	Nitrobenzene	ND	1400	78	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	1400	83	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1400	87	ug/kg	
85-01-8	Phenanthrene	516	580	78	ug/kg	J
129-00-0	Pyrene	556	580	68	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%		30-130%
4165-62-2	Phenol-d5	69%		30-130%
118-79-6	2,4,6-Tribromophenol	61%		30-130%
4165-60-0	Nitrobenzene-d5	72%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-248/7.5'		
Lab Sample ID:	MC23272-6	**Date Sampled:**	08/02/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	85.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	74%		30-130%
1718-51-0	Terphenyl-d14	68%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/kg	

(a) Elevated RL due to dilution required for matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-248/7.5'
Lab Sample ID: MC23272-6
Matrix: SO - Soil
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Date Sampled: 08/02/13
Date Received: 08/03/13
Percent Solids: 85.7

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	15.5	0.98	0.20	mg/kg	1	08/07/13	08/07/13	EAL	SW846 6010C [1]	SW846 3050B [3]
Barium	166	4.9	0.071	mg/kg	1	08/07/13	08/07/13	EAL	SW846 6010C [1]	SW846 3050B [3]
Cadmium	1.7	0.39	0.041	mg/kg	1	08/07/13	08/07/13	EAL	SW846 6010C [1]	SW846 3050B [3]
Chromium	21.7	0.98	0.093	mg/kg	1	08/07/13	08/07/13	EAL	SW846 6010C [1]	SW846 3050B [3]
Lead	187	0.98	0.16	mg/kg	1	08/07/13	08/07/13	EAL	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.097	0.036	0.010	mg/kg	1	08/12/13	08/13/13	SA	SW846 7471B [2]	SW846 7471B [4]
Selenium	0.62 B	0.98	0.34	mg/kg	1	08/07/13	08/07/13	EAL	SW846 6010C [1]	SW846 3050B [3]
Silver	0.12 U	0.49	0.12	mg/kg	1	08/07/13	08/07/13	EAL	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA15961
(2) Instrument QC Batch: MA15973
(3) Prep QC Batch: MP21470
(4) Prep QC Batch: MP21487

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB-248/7.5'		
Lab Sample ID:	MC23272-6	**Date Sampled:**	08/02/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
		Percent Solids:	85.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.45	0.14	0.029	mg/kg	1	08/07/13 14:06	MA	SW846 9012 M
Solids, Percent	85.7			%	1	08/06/13	MC	SM21 2540 B MOD.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 1 OF 1

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: MC23272

Client / Reporting Information

Company Name: WSP
Street Address: 11190 Sunrise Valley Dr
City: Reston State: VA Zip: 20191
Project Contact: Erik.Reinert@wspgroup.com; Scott.Heitz@wspgroup.com
Phone #: Lisa.Bryda@wspgroup.com Fax #:
Sampler(s) Name(s): GBeaulieu Phone #: 978-844-3904

Project Information

Project Name: EPT
Street: 690 S. Aurora St
City: Ithaca, NY
Project#: 4255-05
Client PO#: 4255-05
Project Manager: Erik Reinert / Lisa Bryda

Billing Information (If different from Report to)

Company Name:
Street Address:
City State Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

VOCs - TCL 42 + 20 TICs
SVOCs - ABTCL ALL + 20 TICs

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfite	VOCs - TCL 42 + 20 TICs	SVOCs - ABTCL ALL + 20 TICs	LAB USE ONLY
-1	SB-234/7'		8/1/13	1325	GMB	S	1					X					X	X	
-2	SB-217/8'		7/31/13	1425	GMB	S	1					X					HOLD	SVOCs	
-3	SB-241/0.5-2'		8/2/13	945	GMB	S	1					X					X	X	
-4	SB-223/1'		8/1/13	805	GMB	S	1					X					X	X	
-5	SB-247/6'		8/2/13	1318	GMB	S	1					X					X	X	
-6	SB-248/7.5		8/2/13	1505	GMB	S	1					X					X	X	
	END																		
																			9E

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

Turnaround Time (Business days) — Approved By (Accutest PM): / Date:

- [x] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 GBeaulieu	8/3/13 1200	1 Brunot	2		2
3		3	4		4
5		5			

Custody Seal # | [ ] Intact [ ] Not intact | Preserved where applicable [ ] | On Ice [x] | Cooler Temp. 0 1.5 0c

SYRACUSE SC

MC23272: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC23272 **Client:** WSP **Immediate Client Services Action Required:** No

Date / Time Received: 8/3/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: EPT **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control -Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC23272: Chain of Custody
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Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC23272

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC23272-1	Collected: 01-AUG-13 13:25 By: SB-234/7'		Received: 03-AUG-13		By:	
MC23272-1	SM21 2540 B MOD.	06-AUG-13	MC			%SOL
MC23272-1	SW846 8260B	08-AUG-13 17:08	GK			V8260TCL42+
MC23272-1	SW846 8270C	09-AUG-13 17:52	KR	06-AUG-13	PA	AB8270TCL42+
MC23272-2	Collected: 31-JUL-13 14:55 By: SB-217/8'		Received: 03-AUG-13		By:	
MC23272-2	SM21 2540 B MOD.	06-AUG-13	MC			%SOL
MC23272-2	SW846 8260B	08-AUG-13 17:35	GK			V8260TCL42+
MC23272-3	Collected: 02-AUG-13 09:45 By: SB-241/0.5-2'		Received: 03-AUG-13		By:	
MC23272-3	SM21 2540 B MOD.	06-AUG-13	MC			%SOL
MC23272-3	SW846 8260B	08-AUG-13 18:03	GK			V8260TCL42+
MC23272-3	SW846 8270C	09-AUG-13 18:16	KR	06-AUG-13	PA	AB8270TCL42+
MC23272-3	SW846 8081	15-AUG-13 18:28	NK	07-AUG-13	MEW	P8081PESTTCL
MC23272-3	SW846 8082	16-AUG-13 00:23	NK	07-AUG-13	MEW	P8082PCBAO
MC23272-4	Collected: 01-AUG-13 08:05 By: SB-223/1'		Received: 03-AUG-13		By:	
MC23272-4	SM21 2540 B MOD.	06-AUG-13	MC			%SOL
MC23272-4	SW846 8260B	08-AUG-13 18:30	GK			V8260TCL42+
MC23272-4	SW846 8260B	09-AUG-13 13:52	GK			V8260TCL42+
MC23272-4	SW846 8270C	09-AUG-13 18:40	KR	06-AUG-13	PA	AB8270TCL42+
MC23272-5	Collected: 02-AUG-13 13:18 By: SB-247/6'		Received: 03-AUG-13		By:	
MC23272-5	SM21 2540 B MOD.	06-AUG-13	MC			%SOL
MC23272-5	SW846 8270C	09-AUG-13 19:04	KR	06-AUG-13	PA	AB8270TCL42+
MC23272-5	SW846 8260B	13-AUG-13 13:20	JM			V8260TCL42+
MC23272-6	Collected: 02-AUG-13 15:05 By: SB-248/7.5'		Received: 03-AUG-13		By:	

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC23272

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC23272-6	SM21 2540 B MOD.	06-AUG-13	MC			%SOL
MC23272-6	SW846 9012 M	07-AUG-13 14:06	MA	07-AUG-13	MA	CN
MC23272-6	SW846 6010C	07-AUG-13 15:29	EAL	07-AUG-13	EM	AG,AS,BA,CD,CR,PB,SE
MC23272-6	SW846 8270C	09-AUG-13 19:28	KR	06-AUG-13	PA	AB8270TCL42+
MC23272-6	SW846 7471B	13-AUG-13 10:15	SA	12-AUG-13	EM	HG
MC23272-6	SW846 8260B	14-AUG-13 15:18	KD			V8260TCL42+

Accutest Internal Chain of Custody

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Received: 08/03/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC23272-1.2	Walk In Ref #9	Michael Rolo	08/06/13 08:08	Retrieve from Storage
MC23272-1.2	Michael Rolo	Walk In Ref #9	08/06/13 14:02	Return to Storage
MC23272-2.1	Walk In Ref #9	Miranda Cardullo	08/06/13 08:21	Retrieve from Storage
MC23272-2.1	Miranda Cardullo	Walk In Ref #9	08/06/13 09:20	Return to Storage
MC23272-3.1	Walk In Ref #9	Michael Rolo	08/06/13 08:08	Retrieve from Storage
MC23272-3.1	Michael Rolo	Walk In Ref #9	08/06/13 14:02	Return to Storage
MC23272-3.1	Walk In Ref #9	Michael Rolo	08/07/13 06:49	Retrieve from Storage
MC23272-3.1	Michael Rolo	Walk In Ref #9	08/07/13 08:04	Return to Storage
MC23272-4.1	Walk In Ref #9	Miranda Cardullo	08/06/13 08:21	Retrieve from Storage
MC23272-4.1	Miranda Cardullo	Walk In Ref #9	08/06/13 09:20	Return to Storage
MC23272-5.1	Walk In Ref #9	Michael Rolo	08/06/13 08:08	Retrieve from Storage
MC23272-5.1	Michael Rolo	Walk In Ref #9	08/06/13 14:02	Return to Storage
MC23272-6.1	Walk In Ref #9	Michael Rolo	08/06/13 08:08	Retrieve from Storage
MC23272-6.1	Michael Rolo	Walk In Ref #9	08/06/13 14:02	Return to Storage
MC23272-6.1	Walk In Ref #9	Mehdi Abdolrahim	08/07/13 08:05	Retrieve from Storage
MC23272-6.1	Mehdi Abdolrahim	Walk In Ref #9	08/07/13 09:24	Return to Storage
MC23272-6.1	Walk In Ref #9	Eric Mensah	08/07/13 10:17	Retrieve from Storage
MC23272-6.1	Eric Mensah	Walk In Ref #9	08/07/13 10:17	Return to Storage
MC23272-6.1	Walk In Ref #9	Eric Mensah	08/12/13 08:05	Retrieve from Storage
MC23272-6.1	Eric Mensah	Walk In Ref #9	08/12/13 08:05	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2375-MB	K72953.D	1	08/08/13	GK	n/a	n/a	MSK2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-1, MC23272-2, MC23272-3, MC23272-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	190	ug/kg	
71-43-2	Benzene	ND	25	12	ug/kg	
75-27-4	Bromodichloromethane	ND	100	18	ug/kg	
75-25-2	Bromoform	ND	100	15	ug/kg	
74-83-9	Bromomethane	ND	100	49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	250	150	ug/kg	
75-15-0	Carbon disulfide	ND	250	7.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	58	ug/kg	
108-90-7	Chlorobenzene	ND	100	13	ug/kg	
75-00-3	Chloroethane	ND	250	30	ug/kg	
67-66-3	Chloroform	ND	100	14	ug/kg	
74-87-3	Chloromethane	ND	250	61	ug/kg	
110-82-7	Cyclohexane	ND	250	13	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	100	ug/kg	
124-48-1	Dibromochloromethane	ND	100	21	ug/kg	
106-93-4	1,2-Dibromoethane	ND	100	28	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	100	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	100	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	100	10	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	100	56	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	27	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	26	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	22	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	15	ug/kg	
100-41-4	Ethylbenzene	ND	100	8.9	ug/kg	
76-13-1	Freon 113	ND	250	46	ug/kg	
591-78-6	2-Hexanone	ND	250	120	ug/kg	
98-82-8	Isopropylbenzene	ND	250	14	ug/kg	
79-20-9	Methyl Acetate	ND	250	140	ug/kg	
108-87-2	Methylcyclohexane	ND	250	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	100	20	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	92	ug/kg	

Method Blank Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2375-MB	K72953.D	1	08/08/13	GK	n/a	n/a	MSK2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-1, MC23272-2, MC23272-3, MC23272-4

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	100	77	ug/kg	
100-42-5	Styrene	ND	250	10	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	15	ug/kg	
127-18-4	Tetrachloroethene	ND	100	22	ug/kg	
108-88-3	Toluene	ND	250	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100	9.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	17	ug/kg	
79-01-6	Trichloroethene	ND	100	24	ug/kg	
75-69-4	Trichlorofluoromethane	ND	100	52	ug/kg	
75-01-4	Vinyl chloride	ND	100	28	ug/kg	
1330-20-7	Xylene (total)	ND	100	10	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	108%	70-130%
2037-26-5	Toluene-D8	102%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2376-MB	K72991.D	1	08/09/13	GK	n/a	n/a	MSK2376

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-4

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethene	ND	100	22	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	110%	70-130%
2037-26-5	Toluene-D8	106%	70-130%
460-00-4	4-Bromofluorobenzene	105%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5087-MB	G130429.D	1	08/13/13	JM	n/a	n/a	MSG5087

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	190	ug/kg	
71-43-2	Benzene	ND	25	12	ug/kg	
75-27-4	Bromodichloromethane	ND	100	18	ug/kg	
75-25-2	Bromoform	ND	100	15	ug/kg	
74-83-9	Bromomethane	ND	100	49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	250	150	ug/kg	
75-15-0	Carbon disulfide	ND	250	7.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	58	ug/kg	
108-90-7	Chlorobenzene	ND	100	13	ug/kg	
75-00-3	Chloroethane	ND	250	30	ug/kg	
67-66-3	Chloroform	ND	100	14	ug/kg	
74-87-3	Chloromethane	ND	250	61	ug/kg	
110-82-7	Cyclohexane	ND	250	13	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	100	ug/kg	
124-48-1	Dibromochloromethane	ND	100	21	ug/kg	
106-93-4	1,2-Dibromoethane	ND	100	28	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	100	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	100	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	100	10	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	100	56	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	27	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	26	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	22	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	15	ug/kg	
100-41-4	Ethylbenzene	ND	100	8.9	ug/kg	
76-13-1	Freon 113	ND	250	46	ug/kg	
591-78-6	2-Hexanone	ND	250	120	ug/kg	
98-82-8	Isopropylbenzene	ND	250	14	ug/kg	
79-20-9	Methyl Acetate	ND	250	140	ug/kg	
108-87-2	Methylcyclohexane	ND	250	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	100	20	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	92	ug/kg	

Method Blank Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5087-MB	G130429.D	1	08/13/13	JM	n/a	n/a	MSG5087

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-5

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	100	77	ug/kg	
100-42-5	Styrene	ND	250	10	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	15	ug/kg	
127-18-4	Tetrachloroethene	ND	100	22	ug/kg	
108-88-3	Toluene	ND	250	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100	9.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	17	ug/kg	
79-01-6	Trichloroethene	ND	100	24	ug/kg	
75-69-4	Trichlorofluoromethane	ND	100	52	ug/kg	
75-01-4	Vinyl chloride	ND	100	28	ug/kg	
1330-20-7	Xylene (total)	ND	100	10	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
569-41-5	Naphthalene, 1,8-dimethyl-	17.16	390	ug/kg	JN
	Total TIC, Volatile		390	ug/kg	J

Method Blank Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2326-MB	P71020.D	1	08/14/13	KD	n/a	n/a	MSP2326

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.9	ug/kg	
71-43-2	Benzene	ND	0.50	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.36	ug/kg	
75-25-2	Bromoform	ND	2.0	0.29	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.97	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.2	ug/kg	
110-82-7	Cyclohexane	ND	5.0	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.52	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.0	0.92	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.28	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.8	ug/kg	
108-87-2	Methylcyclohexane	ND	5.0	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.8	ug/kg	

Method Blank Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2326-MB	P71020.D	1	08/14/13	KD	n/a	n/a	MSP2326

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-6

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	1.5	ug/kg	
100-42-5	Styrene	ND	5.0	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.44	ug/kg	
108-88-3	Toluene	ND	5.0	0.24	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.47	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.20	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	70-130%
2037-26-5	Toluene-D8	87%	70-130%
460-00-4	4-Bromofluorobenzene	90%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2375-BS	K72950.D	1	08/08/13	GK	n/a	n/a	MSK2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-1, MC23272-2, MC23272-3, MC23272-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	2500	2470	99	70-130
71-43-2	Benzene	2500	2480	99	70-130
75-27-4	Bromodichloromethane	2500	2610	104	70-130
75-25-2	Bromoform	2500	2810	112	70-130
74-83-9	Bromomethane	2500	2770	111	70-130
78-93-3	2-Butanone (MEK)	2500	2140	86	70-130
75-15-0	Carbon disulfide	2500	2750	110	70-130
56-23-5	Carbon tetrachloride	2500	2760	110	70-130
108-90-7	Chlorobenzene	2500	2490	100	70-130
75-00-3	Chloroethane	2500	2790	112	70-130
67-66-3	Chloroform	2500	2830	113	70-130
74-87-3	Chloromethane	2500	3710	148* [a]	70-130
110-82-7	Cyclohexane	2500	2640	106	70-130
96-12-8	1,2-Dibromo-3-chloropropane	2500	2260	90	70-130
124-48-1	Dibromochloromethane	2500	2690	108	70-130
106-93-4	1,2-Dibromoethane	2500	2560	102	70-130
95-50-1	1,2-Dichlorobenzene	2500	2510	100	70-130
541-73-1	1,3-Dichlorobenzene	2500	2530	101	70-130
106-46-7	1,4-Dichlorobenzene	2500	2610	104	70-130
75-71-8	Dichlorodifluoromethane	2500	2540	102	70-130
75-34-3	1,1-Dichloroethane	2500	2870	115	70-130
107-06-2	1,2-Dichloroethane	2500	2510	100	70-130
75-35-4	1,1-Dichloroethene	2500	2700	108	70-130
156-59-2	cis-1,2-Dichloroethene	2500	2560	102	70-130
156-60-5	trans-1,2-Dichloroethene	2500	2660	106	70-130
78-87-5	1,2-Dichloropropane	2500	2550	102	70-130
10061-01-5	cis-1,3-Dichloropropene	2500	2580	103	70-130
10061-02-6	trans-1,3-Dichloropropene	2500	2740	110	70-130
100-41-4	Ethylbenzene	2500	2690	108	70-130
76-13-1	Freon 113	2500	2650	106	70-130
591-78-6	2-Hexanone	2500	2280	91	70-130
98-82-8	Isopropylbenzene	2500	2600	104	70-130
79-20-9	Methyl Acetate	2500	1770	71	33-141
108-87-2	Methylcyclohexane	2500	2610	104	78-140
1634-04-4	Methyl Tert Butyl Ether	2500	2520	101	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	2500	2480	99	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2375-BS	K72950.D	1	08/08/13	GK	n/a	n/a	MSK2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-1, MC23272-2, MC23272-3, MC23272-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
75-09-2	Methylene chloride	2500	2630	105	70-130
100-42-5	Styrene	2500	2680	107	70-130
79-34-5	1,1,2,2-Tetrachloroethane	2500	2420	97	70-130
127-18-4	Tetrachloroethene	2500	2880	115	70-130
108-88-3	Toluene	2500	2600	104	70-130
120-82-1	1,2,4-Trichlorobenzene	2500	2620	105	70-130
71-55-6	1,1,1-Trichloroethane	2500	2820	113	70-130
79-00-5	1,1,2-Trichloroethane	2500	2430	97	70-130
79-01-6	Trichloroethene	2500	2480	99	70-130
75-69-4	Trichlorofluoromethane	2500	2420	97	70-130
75-01-4	Vinyl chloride	2500	2240	90	70-130
1330-20-7	Xylene (total)	7500	7920	106	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	96%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2376-BS	K72988.D	1	08/09/13	GK	n/a	n/a	MSK2376

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
127-18-4	Tetrachloroethene	2500	3140	126	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	95%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5087-BS	G130426.D	1	08/13/13	JM	n/a	n/a	MSG5087

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	2500	1990	80	70-130
71-43-2	Benzene	2500	2360	94	70-130
75-27-4	Bromodichloromethane	2500	2530	101	70-130
75-25-2	Bromoform	2500	2580	103	70-130
74-83-9	Bromomethane	2500	3000	120	70-130
78-93-3	2-Butanone (MEK)	2500	2210	88	70-130
75-15-0	Carbon disulfide	2500	2620	105	70-130
56-23-5	Carbon tetrachloride	2500	2710	108	70-130
108-90-7	Chlorobenzene	2500	2760	110	70-130
75-00-3	Chloroethane	2500	2690	108	70-130
67-66-3	Chloroform	2500	2400	96	70-130
74-87-3	Chloromethane	2500	2580	103	70-130
110-82-7	Cyclohexane	2500	2240	90	70-130
96-12-8	1,2-Dibromo-3-chloropropane	2500	1940	78	70-130
124-48-1	Dibromochloromethane	2500	2670	107	70-130
106-93-4	1,2-Dibromoethane	2500	2680	107	70-130
95-50-1	1,2-Dichlorobenzene	2500	2700	108	70-130
541-73-1	1,3-Dichlorobenzene	2500	2740	110	70-130
106-46-7	1,4-Dichlorobenzene	2500	2560	102	70-130
75-71-8	Dichlorodifluoromethane	2500	2550	102	70-130
75-34-3	1,1-Dichloroethane	2500	2360	94	70-130
107-06-2	1,2-Dichloroethane	2500	2360	94	70-130
75-35-4	1,1-Dichloroethene	2500	2540	102	70-130
156-59-2	cis-1,2-Dichloroethene	2500	2380	95	70-130
156-60-5	trans-1,2-Dichloroethene	2500	2450	98	70-130
78-87-5	1,2-Dichloropropane	2500	2320	93	70-130
10061-01-5	cis-1,3-Dichloropropene	2500	2400	96	70-130
10061-02-6	trans-1,3-Dichloropropene	2500	2670	107	70-130
100-41-4	Ethylbenzene	2500	2560	102	70-130
76-13-1	Freon 113	2500	2720	109	70-130
591-78-6	2-Hexanone	2500	2210	88	70-130
98-82-8	Isopropylbenzene	2500	2770	111	70-130
79-20-9	Methyl Acetate	2500	1620	65	33-141
108-87-2	Methylcyclohexane	2500	2560	102	78-140
1634-04-4	Methyl Tert Butyl Ether	2500	2280	91	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	2500	1840	74	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5087-BS	G130426.D	1	08/13/13	JM	n/a	n/a	MSG5087

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
75-09-2	Methylene chloride	2500	2200	88	70-130
100-42-5	Styrene	2500	2540	102	70-130
79-34-5	1,1,2,2-Tetrachloroethane	2500	2470	99	70-130
127-18-4	Tetrachloroethene	2500	2790	112	70-130
108-88-3	Toluene	2500	2520	101	70-130
120-82-1	1,2,4-Trichlorobenzene	2500	2160	86	70-130
71-55-6	1,1,1-Trichloroethane	2500	2440	98	70-130
79-00-5	1,1,2-Trichloroethane	2500	2430	97	70-130
79-01-6	Trichloroethene	2500	2370	95	70-130
75-69-4	Trichlorofluoromethane	2500	2730	109	70-130
75-01-4	Vinyl chloride	2500	2050	82	70-130
1330-20-7	Xylene (total)	7500	8190	109	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	102%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2326-BS	P71016.D	1	08/14/13	KD	n/a	n/a	MSP2326
MSP2326-BSD	P71017.D	1	08/14/13	KD	n/a	n/a	MSP2326

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	64.3	129	55.1	110	15	70-130/25
71-43-2	Benzene	50	54.7	109	45.7	91	18	70-130/25
75-27-4	Bromodichloromethane	50	73.6	147* a	60.4	121	20	70-130/25
75-25-2	Bromoform	50	59.7	119	50.5	101	17	70-130/25
74-83-9	Bromomethane	50	71.0	142* a	55.9	112	24	70-130/25
78-93-3	2-Butanone (MEK)	50	45.5	91	40.0	80	13	70-130/25
75-15-0	Carbon disulfide	50	59.8	120	49.9	100	18	70-130/25
56-23-5	Carbon tetrachloride	50	86.3	173* a	69.7	139* a	21	70-130/25
108-90-7	Chlorobenzene	50	47.2	94	40.1	80	16	70-130/25
75-00-3	Chloroethane	50	64.5	129	51.8	104	22	70-130/25
67-66-3	Chloroform	50	68.1	136* a	55.3	111	21	70-130/25
74-87-3	Chloromethane	50	77.7	155* b	63.7	127	20	70-130/25
110-82-7	Cyclohexane	50	52.5	105	42.2	84	22	70-130/25
96-12-8	1,2-Dibromo-3-chloropropane	50	65.1	130	57.8	116	12	70-130/25
124-48-1	Dibromochloromethane	50	59.7	119	49.9	100	18	70-130/25
106-93-4	1,2-Dibromoethane	50	51.7	103	43.6	87	17	70-130/25
95-50-1	1,2-Dichlorobenzene	50	53.6	107	45.2	90	17	70-130/25
541-73-1	1,3-Dichlorobenzene	50	53.0	106	45.3	91	16	70-130/25
106-46-7	1,4-Dichlorobenzene	50	55.8	112	48.8	98	13	70-130/25
75-71-8	Dichlorodifluoromethane	50	64.7	129	52.2	104	21	70-130/25
75-34-3	1,1-Dichloroethane	50	62.8	126	51.4	103	20	70-130/25
107-06-2	1,2-Dichloroethane	50	73.0	146* b	59.9	120	20	70-130/25
75-35-4	1,1-Dichloroethene	50	68.3	137* b	54.9	110	22	70-130/25
156-59-2	cis-1,2-Dichloroethene	50	51.4	103	41.6	83	21	70-130/25
156-60-5	trans-1,2-Dichloroethene	50	52.8	106	41.9	84	23	70-130/25
78-87-5	1,2-Dichloropropane	50	53.2	106	44.2	88	18	70-130/25
10061-01-5	cis-1,3-Dichloropropene	50	56.6	113	46.1	92	20	70-130/25
10061-02-6	trans-1,3-Dichloropropene	50	58.0	116	48.8	98	17	70-130/25
100-41-4	Ethylbenzene	50	52.2	104	43.2	86	19	70-130/25
76-13-1	Freon 113	50	66.9	134* b	54.1	108	21	70-130/25
591-78-6	2-Hexanone	50	54.0	108	48.7	97	10	70-130/25
98-82-8	Isopropylbenzene	50	52.5	105	45.9	92	13	70-130/25
79-20-9	Methyl Acetate	50	48.1	96	36.9	74	26* b	33-141/25
108-87-2	Methylcyclohexane	50	54.2	108	44.7	89	19	78-140/25
1634-04-4	Methyl Tert Butyl Ether	50	69.5	139* b	55.4	111	23	70-130/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	59.2	118	52.0	104	13	70-130/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2326-BS	P71016.D	1	08/14/13	KD	n/a	n/a	MSP2326
MSP2326-BSD	P71017.D	1	08/14/13	KD	n/a	n/a	MSP2326

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	50	65.9	132* b	52.3	105	23	70-130/25
100-42-5	Styrene	50	47.9	96	39.7	79	19	70-130/25
79-34-5	1,1,2,2-Tetrachloroethane	50	50.1	100	44.8	90	11	70-130/25
127-18-4	Tetrachloroethene	50	56.0	112	47.5	95	16	70-130/25
108-88-3	Toluene	50	55.2	110	46.0	92	18	70-130/25
120-82-1	1,2,4-Trichlorobenzene	50	58.2	116	50.3	101	15	70-130/25
71-55-6	1,1,1-Trichloroethane	50	76.2	152* a	61.2	122	22	70-130/25
79-00-5	1,1,2-Trichloroethane	50	53.0	106	44.0	88	19	70-130/25
79-01-6	Trichloroethene	50	58.0	116	46.8	94	21	70-130/25
75-69-4	Trichlorofluoromethane	50	70.0	140* b	55.8	112	23	70-130/25
75-01-4	Vinyl chloride	50	55.3	111	43.8	88	23	70-130/25
1330-20-7	Xylene (total)	150	148	99	125	83	17	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	97%	95%	70-130%
2037-26-5	Toluene-D8	89%	89%	70-130%
460-00-4	4-Bromofluorobenzene	86%	89%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.
(b) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23133-1MS	K72964.D	1	08/08/13	GK	n/a	n/a	MSK2375
MC23133-1MSD	K72965.D	1	08/08/13	GK	n/a	n/a	MSK2375
MC23133-1	K72954.D	1	08/08/13	GK	n/a	n/a	MSK2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-1, MC23272-2, MC23272-3, MC23272-4

CAS No.	Compound	MC23133-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		5390	5910	110	5740	106	3	70-130/30
71-43-2	Benzene	141		5390	5720	103	5750	104	1	70-130/30
75-27-4	Bromodichloromethane	ND		5390	5660	105	5690	105	1	70-130/30
75-25-2	Bromoform	ND		5390	5810	108	5970	111	3	70-130/30
74-83-9	Bromomethane	ND		5390	6370	118	6350	118	0	70-130/30
78-93-3	2-Butanone (MEK)	ND		5390	4830	90	4820	89	0	70-130/30
75-15-0	Carbon disulfide	ND		5390	6510	121	6440	119	1	70-130/30
56-23-5	Carbon tetrachloride	ND		5390	6460	120	6330	117	2	70-130/30
108-90-7	Chlorobenzene	ND		5390	5550	103	5620	104	1	70-130/30
75-00-3	Chloroethane	ND		5390	6460	120	6310	117	2	70-130/30
67-66-3	Chloroform	ND		5390	6300	117	6310	117	0	70-130/30
74-87-3	Chloromethane	ND		5390	8840	164* [a]	8830	164* [a]	0	70-130/30
110-82-7	Cyclohexane	ND		5390	6560	122	6410	119	2	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		5390	4730	88	4620	86	2	70-130/30
124-48-1	Dibromochloromethane	ND		5390	5720	106	5860	109	2	70-130/30
106-93-4	1,2-Dibromoethane	ND		5390	5440	101	5610	104	3	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		5390	5590	104	5570	103	0	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		5390	5670	105	5630	104	1	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		5390	5840	108	5800	108	1	70-130/30
75-71-8	Dichlorodifluoromethane	ND		5390	6180	115	5960	110	4	70-130/30
75-34-3	1,1-Dichloroethane	ND		5390	6470	120	6390	118	1	70-130/30
107-06-2	1,2-Dichloroethane	ND		5390	5470	101	5490	102	0	70-130/30
75-35-4	1,1-Dichloroethene	ND		5390	6320	117	6110	113	3	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		5390	5600	104	5730	106	2	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		5390	5910	110	5930	110	0	70-130/30
78-87-5	1,2-Dichloropropane	ND		5390	5640	105	5670	105	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		5390	5640	105	5620	104	0	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		5390	5910	110	5940	110	1	70-130/30
100-41-4	Ethylbenzene	96.2	J	5390	6190	113	6230	114	1	70-130/30
76-13-1	Freon 113	ND		5390	6400	119	6210	115	3	70-130/30
591-78-6	2-Hexanone	ND		5390	4690	87	4950	92	5	70-130/30
98-82-8	Isopropylbenzene	ND		5390	6030	112	5970	111	1	70-130/30
79-20-9	Methyl Acetate	ND		5390	4220	78	4260	79	1	30-160/30
108-87-2	Methylcyclohexane	91.0	J	5390	6470	118	6260	114	3	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		5390	5430	101	5470	101	1	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5390	5250	97	5340	99	2	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23133-1MS	K72964.D	1	08/08/13	GK	n/a	n/a	MSK2375
MC23133-1MSD	K72965.D	1	08/08/13	GK	n/a	n/a	MSK2375
MC23133-1	K72954.D	1	08/08/13	GK	n/a	n/a	MSK2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-1, MC23272-2, MC23272-3, MC23272-4

CAS No.	Compound	MC23133-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	ND		5390	5840	108	5920	110	1	70-130/30
100-42-5	Styrene	ND		5390	5960	110	6050	112	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		5390	5150	95	5250	97	2	70-130/30
127-18-4	Tetrachloroethene	ND		5390	6700	124	6690	124	0	70-130/30
108-88-3	Toluene	121	J	5390	6070	110	6050	110	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		5390	5520	102	5680	105	3	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		5390	6500	120	6360	118	2	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		5390	5300	98	5310	98	0	70-130/30
79-01-6	Trichloroethene	168	J	5390	5780	104	5830	105	1	70-130/30
75-69-4	Trichlorofluoromethane	ND		5390	5820	108	5690	105	2	70-130/30
75-01-4	Vinyl chloride	ND		5390	5720	106	5430	101	5	70-130/30
1330-20-7	Xylene (total)	405		16200	18300	111	18500	112	1	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23133-1	Limits
1868-53-7	Dibromofluoromethane	100%	102%	111%	70-130%
2037-26-5	Toluene-D8	104%	104%	104%	70-130%
460-00-4	4-Bromofluorobenzene	103%	101%	103%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23228-1MS	K72994.D	1	08/09/13	GK	n/a	n/a	MSK2376
MC23228-1MSD	K72995.D	1	08/09/13	GK	n/a	n/a	MSK2376
MC23228-1	K72993.D	1	08/09/13	GK	n/a	n/a	MSK2376

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-4

CAS No.	Compound	MC23228-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
127-18-4	Tetrachloroethene	ND		2370	3130	132* [a]	3070	130	2	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23228-1	Limits
1868-53-7	Dibromofluoromethane	102%	99%	108%	70-130%
2037-26-5	Toluene-D8	108%	103%	102%	70-130%
460-00-4	4-Bromofluorobenzene	102%	101%	100%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23427-1MS	G130449.D	1	08/13/13	JM	n/a	n/a	MSG5087
MC23427-1MSD	G130450.D	1	08/13/13	JM	n/a	n/a	MSG5087
MC23427-1	G130433.D	1	08/13/13	JM	n/a	n/a	MSG5087

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-5

CAS No.	Compound	MC23427-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		2810	1950	69* [a]	1950	69* [a]	0	70-130/30
71-43-2	Benzene	ND		2810	2770	98	2920	104	5	70-130/30
75-27-4	Bromodichloromethane	ND		2810	2920	104	3110	111	6	70-130/30
75-25-2	Bromoform	ND		2810	2940	105	3180	113	8	70-130/30
74-83-9	Bromomethane	ND		2810	3580	127	3700	132* [a]	3	70-130/30
78-93-3	2-Butanone (MEK)	ND		2810	2300	82	2440	87	6	70-130/30
75-15-0	Carbon disulfide	ND		2810	3070	109	3240	115	5	70-130/30
56-23-5	Carbon tetrachloride	ND		2810	3200	114	3360	119	5	70-130/30
108-90-7	Chlorobenzene	ND		2810	3200	114	3450	123	8	70-130/30
75-00-3	Chloroethane	ND		2810	3140	112	3250	116	3	70-130/30
67-66-3	Chloroform	ND		2810	2830	101	2980	106	5	70-130/30
74-87-3	Chloromethane	ND		2810	2940	105	3070	109	4	70-130/30
110-82-7	Cyclohexane	ND		2810	2690	96	2810	100	4	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		2810	2300	82	2490	89	8	70-130/30
124-48-1	Dibromochloromethane	ND		2810	3010	107	3250	116	8	70-130/30
106-93-4	1,2-Dibromoethane	ND		2810	3100	110	3370	120	8	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		2810	3120	111	3310	118	6	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		2810	3180	113	3310	118	4	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		2810	2930	104	3090	110	5	70-130/30
75-71-8	Dichlorodifluoromethane	ND		2810	3020	107	3200	114	6	70-130/30
75-34-3	1,1-Dichloroethane	ND		2810	2800	100	2940	105	5	70-130/30
107-06-2	1,2-Dichloroethane	ND		2810	2800	100	2960	105	6	70-130/30
75-35-4	1,1-Dichloroethene	ND		2810	3050	108	3170	113	4	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		2810	2800	100	2940	105	5	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		2810	2880	102	3020	107	5	70-130/30
78-87-5	1,2-Dichloropropane	ND		2810	2720	97	2900	103	6	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		2810	2760	98	2890	103	5	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		2810	3000	107	3240	115	8	70-130/30
100-41-4	Ethylbenzene	111		2810	3090	106	3310	114	7	70-130/30
76-13-1	Freon 113	ND		2810	3270	116	3220	115	2	70-130/30
591-78-6	2-Hexanone	ND		2810	2300	82	2480	88	8	70-130/30
98-82-8	Isopropylbenzene	ND		2810	3220	115	3370	120	5	70-130/30
79-20-9	Methyl Acetate	ND		2810	1930	69	2090	74	8	30-160/30
108-87-2	Methylcyclohexane	ND		2810	3010	107	3200	114	6	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		2810	2660	95	2840	101	7	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2810	2140	76	2330	83	9	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23427-1MS	G130449.D	1	08/13/13	JM	n/a	n/a	MSG5087
MC23427-1MSD	G130450.D	1	08/13/13	JM	n/a	n/a	MSG5087
MC23427-1	G130433.D	1	08/13/13	JM	n/a	n/a	MSG5087

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-5

CAS No.	Compound	MC23427-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	ND		2810	2640	94	2780	99	5	70-130/30
100-42-5	Styrene	ND		2810	2950	105	3210	114	8	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		2810	2980	106	3170	113	6	70-130/30
127-18-4	Tetrachloroethene	ND		2810	3200	114	3410	121	6	70-130/30
108-88-3	Toluene	96.2	J	2810	3050	105	3210	111	5	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		2810	2480	88	2670	95	7	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		2810	2850	101	3000	107	5	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		2810	2880	102	3030	108	5	70-130/30
79-01-6	Trichloroethene	ND		2810	2790	99	2960	105	6	70-130/30
75-69-4	Trichlorofluoromethane	ND		2810	3190	113	3380	120	6	70-130/30
75-01-4	Vinyl chloride	ND		2810	2460	87	2420	86	2	70-130/30
1330-20-7	Xylene (total)	558		8440	10000	112	10700	120	7	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23427-1	Limits
1868-53-7	Dibromofluoromethane	105%	111%	103%	70-130%
2037-26-5	Toluene-D8	102%	107%	103%	70-130%
460-00-4	4-Bromofluorobenzene	103%	111%	102%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23272-6MS	P71025.D	1	08/14/13	KD	n/a	n/a	MSP2326
MC23272-6MSD	P71026.D	1	08/14/13	KD	n/a	n/a	MSP2326
MC23272-6	P71024.D	1	08/14/13	KD	n/a	n/a	MSP2326

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-6

CAS No.	Compound	MC23272-6 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	210		59.6	253	72	239	51* a	6	70-130/30
71-43-2	Benzene	ND		59.6	48.0	80	55.4	97	14	70-130/30
75-27-4	Bromodichloromethane	ND		59.6	59.3	99	67.0	118	12	70-130/30
75-25-2	Bromoform	ND		59.6	46.2	77	54.3	96	16	70-130/30
74-83-9	Bromomethane	ND		59.6	70.9	119	93.7	165* b	28	70-130/30
78-93-3	2-Butanone (MEK)	21.1		59.6	80.7	100	81.5	106	1	70-130/30
75-15-0	Carbon disulfide	13.4		59.6	51.8	64* b	58.4	79	12	70-130/30
56-23-5	Carbon tetrachloride	ND		59.6	71.8	120	76.4	134* b	6	70-130/30
108-90-7	Chlorobenzene	ND		59.6	27.1	45* b	31.1	55* b	14	70-130/30
75-00-3	Chloroethane	ND		59.6	80.7	135* b	95.8	169* b	17	70-130/30
67-66-3	Chloroform	0.67	J	59.6	66.9	111	79.7	139* b	17	70-130/30
74-87-3	Chloromethane	5.5	J	59.6	98.5	156* b	117	196* b	17	70-130/30
110-82-7	Cyclohexane	0.55	J	59.6	28.1	46* b	30.1	52* b	7	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		59.6	58.6	98	73.5	129	23	70-130/30
124-48-1	Dibromochloromethane	ND		59.6	57.9	97	68.7	121	17	70-130/30
106-93-4	1,2-Dibromoethane	ND		59.6	48.2	81	59.9	105	22	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		59.6	21.4	36* b	23.1	41* b	8	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		59.6	21.0	35* b	24.1	42* b	14	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		59.6	21.7	36* b	23.8	42* b	9	70-130/30
75-71-8	Dichlorodifluoromethane	ND		59.6	74.7	125	86.1	152* b	14	70-130/30
75-34-3	1,1-Dichloroethane	ND		59.6	69.2	116	82.6	145* b	18	70-130/30
107-06-2	1,2-Dichloroethane	ND		59.6	71.6	120	85.9	151* b	18	70-130/30
75-35-4	1,1-Dichloroethene	ND		59.6	73.7	124	87.0	153* b	17	70-130/30
156-59-2	cis-1,2-Dichloroethene	29.8		59.6	76.4	78	82.4	93	8	70-130/30
156-60-5	trans-1,2-Dichloroethene	1.6	J	59.6	45.9	74	55.4	95	19	70-130/30
78-87-5	1,2-Dichloropropane	ND		59.6	46.7	78	54.5	96	15	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		59.6	33.0	55* b	39.1	69* b	17	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		59.6	29.9	50* b	34.4	61* b	14	70-130/30
100-41-4	Ethylbenzene	0.46	J	59.6	28.8	48* b	31.3	54* b	8	70-130/30
76-13-1	Freon 113	ND		59.6	62.9	105	70.7	124	12	70-130/30
591-78-6	2-Hexanone	ND		59.6	76.2	128	114	201* b	40* c	70-130/30
98-82-8	Isopropylbenzene	ND		59.6	32.3	54* b	35.8	63* b	10	70-130/30
79-20-9	Methyl Acetate	ND		59.6	60.7	102	72.5	128	18	30-160/30
108-87-2	Methylcyclohexane	ND		59.6	17.8	30* b	20.0	35* b	12	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		59.6	82.8	139* b	98.1	173* b	17	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		59.6	78.0	131* b	96.8	170* b	22	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23272-6MS	P71025.D	1	08/14/13	KD	n/a	n/a	MSP2326
MC23272-6MSD	P71026.D	1	08/14/13	KD	n/a	n/a	MSP2326
MC23272-6	P71024.D	1	08/14/13	KD	n/a	n/a	MSP2326

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23272-6

CAS No.	Compound	MC23272-6 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	30.8		59.6	97.0	111	107	134* [b]	10	70-130/30
100-42-5	Styrene	ND		59.6	14.6	24* [b]	16.5	29* [b]	12	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		59.6	66.5	111	80.3	141* [b]	19	70-130/30
127-18-4	Tetrachloroethene	17.3		59.6	54.7	63* [b]	54.8	66* [b]	0	70-130/30
108-88-3	Toluene	1.3	J	59.6	32.6	52* [b]	34.8	59* [b]	7	70-130/30
120-82-1	1,2,4-Trichlorobenzene	4.6	J	59.6	14.5	17* [b]	14.4	17* [b]	1	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		59.6	68.3	115	78.5	138* [b]	14	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		59.6	37.9	64* [b]	48.5	85	25	70-130/30
79-01-6	Trichloroethene	35.2		59.6	77.6	71	81.8	82	5	70-130/30
75-69-4	Trichlorofluoromethane	ND		59.6	85.2	143* [b]	96.2	169* [b]	12	70-130/30
75-01-4	Vinyl chloride	ND		59.6	67.2	113	80.4	141* [b]	18	70-130/30
1330-20-7	Xylene (total)	1.2	J	179	74.8	41* [b]	81.6	47* [b]	9	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23272-6	Limits
1868-53-7	Dibromofluoromethane	116%	115%	115%	70-130%
2037-26-5	Toluene-D8	72%	70%	71%	70-130%
460-00-4	4-Bromofluorobenzene	108%	107%	97%	70-130%

(a) Outside control limits due to high level in sample relative to spike amount.
(b) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(c) High RPD due to possible matrix interference and/or sample non-homogeneity.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSG5050-BFB
Lab File ID: G128900.D
Instrument ID: GCMSG
Injection Date: 06/29/13
Injection Time: 00:19

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	10829	16.4		Pass
75	30.0 - 60.0% of mass 95	29736	44.9		Pass
95	Base peak, 100% relative abundance	66213	100.0		Pass
96	5.0 - 9.0% of mass 95	4411	6.66		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	49936	75.4		Pass
175	5.0 - 9.0% of mass 174	3431	5.18	(6.87) [a]	Pass
176	95.0 - 101.0% of mass 174	48498	73.2	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	3017	4.56	(6.22) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSG5050-IC5050	G128901.D	06/29/13	00:47	00:28	Initial cal 0.5
MSG5050-IC5050	G128902.D	06/29/13	01:15	00:56	Initial cal 2
MSG5050-IC5050	G128903.D	06/29/13	01:43	01:24	Initial cal 5
MSG5050-IC5050	G128904.D	06/29/13	02:11	01:52	Initial cal 25
MSG5050-ICC5050	G128905.D	06/29/13	02:39	02:20	Initial cal 50
MSG5050-IC5050	G128906.D	06/29/13	03:07	02:48	Initial cal 100
MSG5050-IC5050	G128907.D	06/29/13	03:36	03:17	Initial cal 200
MSG5050-IC5050	G128908.D	06/29/13	04:04	03:45	Initial cal 400
MSG5050-ICV5050	G128911.D	06/29/13	05:28	05:09	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSG5087-BFB
Lab File ID: G130425.D
Instrument ID: GCMSG
Injection Date: 08/13/13
Injection Time: 09:06

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	8563	15.2		Pass
75	30.0 - 60.0% of mass 95	24760	44.1		Pass
95	Base peak, 100% relative abundance	56193	100.0		Pass
96	5.0 - 9.0% of mass 95	3750	6.67		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	46114	82.1		Pass
175	5.0 - 9.0% of mass 174	3325	5.92	(7.21) [a]	Pass
176	95.0 - 101.0% of mass 174	44056	78.4	(95.5) [a]	Pass
177	5.0 - 9.0% of mass 176	3107	5.53	(7.05) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSG5087-CC5050	G130425.D	08/13/13	09:06	00:00	Continuing cal 50
MSG5087-BS	G130426.D	08/13/13	09:34	00:28	Blank Spike
MSG5087-MB	G130429.D	08/13/13	10:59	01:53	Method Blank
ZZZZZZ	G130430.D	08/13/13	11:27	02:21	(unrelated sample)
ZZZZZZ	G130431.D	08/13/13	11:55	02:49	(unrelated sample)
ZZZZZZ	G130432.D	08/13/13	12:24	03:18	(unrelated sample)
MC23427-1	G130433.D	08/13/13	12:51	03:45	(used for QC only; not part of job MC23272)
MC23272-5	G130434.D	08/13/13	13:20	04:14	SB-247/6'
ZZZZZZ	G130435.D	08/13/13	13:47	04:41	(unrelated sample)
ZZZZZZ	G130436.D	08/13/13	14:16	05:10	(unrelated sample)
ZZZZZZ	G130437.D	08/13/13	14:44	05:38	(unrelated sample)
ZZZZZZ	G130438.D	08/13/13	15:12	06:06	(unrelated sample)
ZZZZZZ	G130439.D	08/13/13	15:41	06:35	(unrelated sample)
ZZZZZZ	G130440.D	08/13/13	16:08	07:02	(unrelated sample)
ZZZZZZ	G130441.D	08/13/13	16:37	07:31	(unrelated sample)
ZZZZZZ	G130442.D	08/13/13	17:05	07:59	(unrelated sample)
ZZZZZZ	G130443.D	08/13/13	17:34	08:28	(unrelated sample)
ZZZZZZ	G130444.D	08/13/13	18:01	08:55	(unrelated sample)
ZZZZZZ	G130445.D	08/13/13	18:29	09:23	(unrelated sample)
ZZZZZZ	G130446.D	08/13/13	18:58	09:52	(unrelated sample)
ZZZZZZ	G130447.D	08/13/13	19:26	10:20	(unrelated sample)
ZZZZZZ	G130448.D	08/13/13	19:54	10:48	(unrelated sample)
MC23427-1MS	G130449.D	08/13/13	20:21	11:15	Matrix Spike
MC23427-1MSD	G130450.D	08/13/13	20:49	11:43	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSK2374-BFB
Lab File ID: K72935.D
Instrument ID: GCMSK
Injection Date: 08/07/13
Injection Time: 21:55

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	18808	15.5		Pass
75	30.0 - 60.0% of mass 95	50640	41.7		Pass
95	Base peak, 100% relative abundance	121560	100.0		Pass
96	5.0 - 9.0% of mass 95	8840	7.27		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	121568	100.0		Pass
175	5.0 - 9.0% of mass 174	9116	7.50	(7.50) [a]	Pass
176	95.0 - 101.0% of mass 174	117056	96.3	(96.3) [a]	Pass
177	5.0 - 9.0% of mass 176	7928	6.52	(6.77) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSK2374-IC2374	K72936.D	08/07/13	22:23	00:28	Initial cal 0.5
MSK2374-IC2374	K72937.D	08/07/13	22:51	00:56	Initial cal 2
MSK2374-IC2374	K72938.D	08/07/13	23:19	01:24	Initial cal 5
MSK2374-IC2374	K72939.D	08/07/13	23:47	01:52	Initial cal 25
MSK2374-ICC2374	K72940.D	08/08/13	00:14	02:19	Initial cal 50
MSK2374-IC2374	K72941.D	08/08/13	00:42	02:47	Initial cal 100
MSK2374-IC2374	K72942.D	08/08/13	01:10	03:15	Initial cal 200
MSK2374-IC2374	K72943.D	08/08/13	01:38	03:43	Initial cal 400
MSK2374-ICV2374	K72946.D	08/08/13	03:02	05:07	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSK2375-BFB
Lab File ID: K72949.D
Instrument ID: GCMSK
Injection Date: 08/08/13
Injection Time: 08:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11145	15.2		Pass
75	30.0 - 60.0% of mass 95	30560	41.8		Pass
95	Base peak, 100% relative abundance	73184	100.0		Pass
96	5.0 - 9.0% of mass 95	4861	6.64		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	68656	93.8		Pass
175	5.0 - 9.0% of mass 174	5814	7.94	(8.47) [a]	Pass
176	95.0 - 101.0% of mass 174	68496	93.6	(99.8) [a]	Pass
177	5.0 - 9.0% of mass 176	4777	6.53	(6.97) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSK2375-CC2374	K72949.D	08/08/13	08:58	00:00	Continuing cal 50
MSK2375-BS	K72950.D	08/08/13	09:25	00:27	Blank Spike
MSK2375-MB	K72953.D	08/08/13	10:47	01:49	Method Blank
MC23133-1	K72954.D	08/08/13	11:15	02:17	(used for QC only; not part of job MC23272)
ZZZZZZ	K72955.D	08/08/13	11:42	02:44	(unrelated sample)
ZZZZZZ	K72956.D	08/08/13	12:09	03:11	(unrelated sample)
ZZZZZZ	K72957.D	08/08/13	12:36	03:38	(unrelated sample)
ZZZZZZ	K72958.D	08/08/13	13:03	04:05	(unrelated sample)
ZZZZZZ	K72959.D	08/08/13	13:31	04:33	(unrelated sample)
ZZZZZZ	K72960.D	08/08/13	13:58	05:00	(unrelated sample)
ZZZZZZ	K72961.D	08/08/13	14:25	05:27	(unrelated sample)
ZZZZZZ	K72962.D	08/08/13	14:52	05:54	(unrelated sample)
ZZZZZZ	K72963.D	08/08/13	15:20	06:22	(unrelated sample)
MC23133-1MS	K72964.D	08/08/13	15:47	06:49	Matrix Spike
MC23133-1MSD	K72965.D	08/08/13	16:14	07:16	Matrix Spike Duplicate
ZZZZZZ	K72966.D	08/08/13	16:41	07:43	(unrelated sample)
MC23272-1	K72967.D	08/08/13	17:08	08:10	SB-234/7'
MC23272-2	K72968.D	08/08/13	17:35	08:37	SB-217/8'
MC23272-3	K72969.D	08/08/13	18:03	09:05	SB-241/0.5-2'
MC23272-4	K72970.D	08/08/13	18:30	09:32	SB-223/1'
ZZZZZZ	K72972.D	08/08/13	19:25	10:27	(unrelated sample)
ZZZZZZ	K72973.D	08/08/13	19:53	10:55	(unrelated sample)
ZZZZZZ	K72974.D	08/08/13	20:20	11:22	(unrelated sample)
ZZZZZZ	K72975.D	08/08/13	20:47	11:49	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSK2376-BFB
Lab File ID: K72987.D
Instrument ID: GCMSK
Injection Date: 08/09/13
Injection Time: 09:45

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	17432	15.1		Pass
75	30.0 - 60.0% of mass 95	48224	41.7		Pass
95	Base peak, 100% relative abundance	115568	100.0		Pass
96	5.0 - 9.0% of mass 95	8981	7.77		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	114008	98.7		Pass
175	5.0 - 9.0% of mass 174	8647	7.48	(7.58) [a]	Pass
176	95.0 - 101.0% of mass 174	111800	96.7	(98.1) [a]	Pass
177	5.0 - 9.0% of mass 176	7530	6.52	(6.74) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSK2376-CC2374	K72987.D	08/09/13	09:45	00:00	Continuing cal 50
MSK2376-BS	K72988.D	08/09/13	10:12	00:27	Blank Spike
MSK2376-MB	K72991.D	08/09/13	11:34	01:49	Method Blank
ZZZZZZ	K72992.D	08/09/13	12:01	02:16	(unrelated sample)
MC23228-1	K72993.D	08/09/13	12:29	02:44	(used for QC only; not part of job MC23272)
MC23228-1MS	K72994.D	08/09/13	12:57	03:12	Matrix Spike
MC23228-1MSD	K72995.D	08/09/13	13:24	03:39	Matrix Spike Duplicate
MC23272-4	K72996.D	08/09/13	13:52	04:07	SB-223/1'
ZZZZZZ	K72997.D	08/09/13	14:19	04:34	(unrelated sample)
ZZZZZZ	K72998.D	08/09/13	14:46	05:01	(unrelated sample)
ZZZZZZ	K72999.D	08/09/13	15:14	05:29	(unrelated sample)
ZZZZZZ	K73000.D	08/09/13	15:41	05:56	(unrelated sample)
ZZZZZZ	K73001.D	08/09/13	16:08	06:23	(unrelated sample)
ZZZZZZ	K73002.D	08/09/13	16:36	06:51	(unrelated sample)
ZZZZZZ	K73003.D	08/09/13	17:03	07:18	(unrelated sample)
ZZZZZZ	K73004.D	08/09/13	17:30	07:45	(unrelated sample)
ZZZZZZ	K73005.D	08/09/13	17:58	08:13	(unrelated sample)
ZZZZZZ	K73007.D	08/09/13	18:52	09:07	(unrelated sample)
ZZZZZZ	K73008.D	08/09/13	19:20	09:35	(unrelated sample)
ZZZZZZ	K73009.D	08/09/13	19:47	10:02	(unrelated sample)
ZZZZZZ	K73010.D	08/09/13	20:14	10:29	(unrelated sample)
ZZZZZZ	K73012.D	08/09/13	21:09	11:24	(unrelated sample)
ZZZZZZ	K73013.D	08/09/13	21:36	11:51	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSP2318-BFB
Lab File ID: P70798.D
Instrument ID: GCMSP
Injection Date: 08/05/13
Injection Time: 13:05

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	54912	23.1		Pass
75	30.0 - 60.0% of mass 95	130656	54.9		Pass
95	Base peak, 100% relative abundance	238144	100.0		Pass
96	5.0 - 9.0% of mass 95	16968	7.13		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	183424	77.0		Pass
175	5.0 - 9.0% of mass 174	15398	6.47	(8.39) [a]	Pass
176	95.0 - 101.0% of mass 174	183872	77.2	(100.2) [a]	Pass
177	5.0 - 9.0% of mass 176	12112	5.09	(6.59) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	P70800A.D	08/05/13	14:01	00:56	(unrelated sample)
MSP2318-IC2318	P70800.D	08/05/13	14:01	00:56	Initial cal 0.5
ZZZZZZ	P70801A.D	08/05/13	14:29	01:24	(unrelated sample)
MSP2318-IC2318	P70801.D	08/05/13	14:29	01:24	Initial cal 2
ZZZZZZ	P70802A.D	08/05/13	14:57	01:52	(unrelated sample)
MSP2318-IC2318	P70802.D	08/05/13	14:57	01:52	Initial cal 5
MSP2318-IC2318	P70804.D	08/05/13	15:53	02:48	Initial cal 20
MSP2318-ICC2318	P70805.D	08/05/13	16:21	03:16	Initial cal 50
MSP2318-IC2318	P70806.D	08/05/13	16:49	03:44	Initial cal 100
MSP2318-IC2318	P70807.D	08/05/13	17:17	04:12	Initial cal 200
MSP2318-IC2318	P70808.D	08/05/13	17:45	04:40	Initial cal 400
MSP2318-ICV2318	P70811.D	08/05/13	19:10	06:05	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSP2326-BFB
Lab File ID: P71015.D
Instrument ID: GCMSP
Injection Date: 08/14/13
Injection Time: 11:07

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	14260	20.9		Pass
75	30.0 - 60.0% of mass 95	39214	57.5		Pass
95	Base peak, 100% relative abundance	68158	100.0		Pass
96	5.0 - 9.0% of mass 95	4247	6.23		Pass
173	Less than 2.0% of mass 174	532	0.78	(0.82) [a]	Pass
174	50.0 - 150.0% of mass 95	65071	95.5		Pass
175	5.0 - 9.0% of mass 174	4807	7.05	(7.39) [a]	Pass
176	95.0 - 101.0% of mass 174	65220	95.7	(100.2) [a]	Pass
177	5.0 - 9.0% of mass 176	3957	5.81	(6.07) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSP2326-CC2318	P71015.D	08/14/13	11:07	00:00	Continuing cal 50
MSP2326-BS	P71016.D	08/14/13	11:35	00:28	Blank Spike
MSP2326-BSD	P71017.D	08/14/13	12:03	00:56	Blank Spike Duplicate
MSP2326-MB	P71020.D	08/14/13	13:26	02:19	Method Blank
ZZZZZZ	P71021.D	08/14/13	13:54	02:47	(unrelated sample)
ZZZZZZ	P71022.D	08/14/13	14:22	03:15	(unrelated sample)
ZZZZZZ	P71023.D	08/14/13	14:51	03:44	(unrelated sample)
MC23272-6	P71024.D	08/14/13	15:18	04:11	SB-248/7.5'
MC23272-6MS	P71025.D	08/14/13	15:47	04:40	Matrix Spike
MC23272-6MSD	P71026.D	08/14/13	16:14	05:07	Matrix Spike Duplicate
ZZZZZZ	P71028.D	08/14/13	17:10	06:03	(unrelated sample)
ZZZZZZ	P71029.D	08/14/13	17:39	06:32	(unrelated sample)
ZZZZZZ	P71030.D	08/14/13	18:07	07:00	(unrelated sample)
ZZZZZZ	P71031.D	08/14/13	18:35	07:28	(unrelated sample)
ZZZZZZ	P71035.D	08/14/13	20:27	09:20	(unrelated sample)
ZZZZZZ	P71036.D	08/14/13	20:55	09:48	(unrelated sample)
ZZZZZZ	P71037.D	08/14/13	21:23	10:16	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	MSG5087-CC5050	**Injection Date:**	08/13/13
Lab File ID:	G130425.D	**Injection Time:**	09:06
Instrument ID:	GCMSG	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	84590	5.07	139065	6.20	67305	9.54	65361	12.16	35088	3.08
Upper Limit [a]	169180	5.57	278130	6.70	134610	10.04	130722	12.66	70176	3.58
Lower Limit [b]	42295	4.57	69533	5.70	33653	9.04	32681	11.66	17544	2.58

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSG5087-BS	85371	5.07	139404	6.19	68574	9.54	65274	12.16	32438	3.08
MSG5087-MB	84434	5.07	138456	6.20	66120	9.54	62556	12.16	29657	3.09
ZZZZZZ	86089	5.07	140801	6.19	67215	9.54	63522	12.16	30905	3.14
ZZZZZZ	88367	5.07	145836	6.20	79710	9.55	67114	12.17	33392	3.13
ZZZZZZ	88928	5.07	145451	6.20	73997	9.54	68388	12.16	33050	3.09
MC23427-1	82354	5.07	135790	6.20	67274	9.54	63067	12.16	30185	3.09
MC23272-5	82172	5.07	135969	6.20	65631	9.54	62386	12.16	31946	3.09
ZZZZZZ	84308	5.07	138191	6.20	66313	9.54	61455	12.16	31809	3.09
ZZZZZZ	82820	5.07	136121	6.20	65749	9.54	62029	12.16	31656	3.08
ZZZZZZ	84079	5.07	136189	6.20	66110	9.54	61442	12.16	32765	3.09
ZZZZZZ	82036	5.07	133910	6.20	65204	9.54	60174	12.16	29831	3.09
ZZZZZZ	87481	5.07	143043	6.20	68858	9.54	64251	12.16	33065	3.09
ZZZZZZ	83892	5.07	137853	6.20	66218	9.54	61188	12.16	30365	3.09
ZZZZZZ	82750	5.07	133717	6.20	65430	9.54	60979	12.16	31061	3.08
ZZZZZZ	80615	5.07	132020	6.20	63943	9.54	59164	12.16	33327	3.08
ZZZZZZ	82661	5.07	136063	6.20	84181	9.55	76199	12.19	27315	3.08
ZZZZZZ	80588	5.07	133415	6.20	65731	9.54	63240	12.16	26491	3.08
ZZZZZZ	82025	5.07	135174	6.20	66393	9.54	63244	12.16	26659	3.07
ZZZZZZ	85021	5.07	138536	6.20	66685	9.54	62658	12.16	29703	3.07
ZZZZZZ	82512	5.08	135615	6.20	66674	9.54	63756	12.16	29851	3.07
ZZZZZZ	83225	5.07	136558	6.20	65399	9.54	62733	12.16	27984	3.07
MC23427-1MS	81265	5.07	133070	6.20	66464	9.54	63554	12.16	31006	3.09
MC23427-1MSD	76802	5.07	125892	6.20	61668	9.54	60384	12.16	30959	3.09

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	MSK2375-CC2374	**Injection Date:**	08/08/13
Lab File ID:	K72949.D	**Injection Time:**	08:58
Instrument ID:	GCMSK	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	375059	8.84	535064	9.68	224425	12.94	269400	15.50	58282	6.42
Upper Limit [a]	750118	9.34	1070128	10.18	448850	13.44	538800	16.00	116564	6.92
Lower Limit [b]	187530	8.34	267532	9.18	112213	12.44	134700	15.00	29141	5.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSK2375-BS	375194	8.84	538769	9.68	223793	12.94	264400	15.50	59655	6.42
MSK2375-MB	361245	8.84	531286	9.68	208214	12.94	254827	15.50	57124	6.42
MC23133-1	353198	8.84	523051	9.68	208509	12.94	252991	15.50	55169	6.42
ZZZZZZ	368301	8.84	547591	9.69	217235	12.94	259645	15.50	59575	6.43
ZZZZZZ	344971	8.84	499444	9.69	203784	12.94	254412	15.50	54597	6.42
ZZZZZZ	355240	8.84	513280	9.69	195054	12.94	259165	15.50	58424	6.42
ZZZZZZ	378442	8.84	561305	9.68	211028	12.94	252600	15.50	60006	6.43
ZZZZZZ	381571	8.84	569492	9.69	223017	12.94	268489	15.50	57833	6.42
ZZZZZZ	370903	8.84	545781	9.69	215742	12.94	260476	15.50	57595	6.43
ZZZZZZ	365779	8.84	542002	9.69	211361	12.94	259264	15.50	57489	6.43
ZZZZZZ	369595	8.84	541745	9.69	213295	12.94	258743	15.50	60188	6.43
ZZZZZZ	363142	8.84	538522	9.68	207059	12.94	243413	15.50	56367	6.43
MC23133-1MS	369210	8.84	528157	9.69	221468	12.94	257843	15.50	56233	6.43
MC23133-1MSD	365207	8.84	526329	9.68	217139	12.94	257488	15.50	57430	6.42
ZZZZZZ	378062	8.84	556165	9.69	220703	12.94	275272	15.50	58718	6.42
MC23272-1	357271	8.84	531408	9.68	212881	12.94	264064	15.50	55888	6.42
MC23272-2	368717	8.84	543126	9.68	218125	12.94	261058	15.50	56225	6.42
MC23272-3	364749	8.84	540425	9.68	212025	12.94	254836	15.50	57879	6.43
MC23272-4	343043	8.84	508284	9.68	205282	12.94	250926	15.50	54177	6.42
ZZZZZZ	362067	8.84	534207	9.69	213627	12.94	256452	15.50	52946	6.43
ZZZZZZ	347472	8.84	500814	9.68	188243	12.94	236334	15.50	53936	6.44
ZZZZZZ	373853	8.84	538327	9.68	200144	12.94	248691	15.50	55453	6.44
ZZZZZZ	382199	8.84	561568	9.69	225844	12.94	255242	15.50	59523	6.43

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std: MSK2376-CC2374 **Injection Date:** 08/09/13
Lab File ID: K72987.D **Injection Time:** 09:45
Instrument ID: GCMSK **Method:** SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	387437	8.84	553541	9.69	230321	12.94	272635	15.50	57918	6.43
Upper Limit [a]	774874	9.34	1107082	10.19	460642	13.44	545270	16.00	115836	6.93
Lower Limit [b]	193719	8.34	276771	9.19	115161	12.44	136318	15.00	28959	5.93

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSK2376-BS	372193	8.84	526992	9.69	217784	12.94	261761	15.50	55317	6.42
MSK2376-MB	359943	8.84	529718	9.69	208764	12.94	251544	15.50	54314	6.43
ZZZZZZ	354717	8.84	528276	9.69	210325	12.94	255945	15.50	58024	6.43
MC23228-1	357714	8.84	536135	9.69	206992	12.94	255227	15.50	55859	6.43
MC23228-1MS	369554	8.84	523551	9.69	215089	12.94	258792	15.50	64227	6.43
MC23228-1MSD	366266	8.84	527173	9.68	212604	12.94	253183	15.50	55114	6.42
MC23272-4	364511	8.84	544251	9.69	210397	12.94	262866	15.50	57531	6.42
ZZZZZZ	373407	8.84	549017	9.69	216449	12.94	261171	15.50	59777	6.43
ZZZZZZ	367769	8.84	546710	9.69	219627	12.94	265486	15.50	58536	6.42
ZZZZZZ	350351	8.84	515651	9.69	206713	12.94	250707	15.50	57536	6.42
ZZZZZZ	342663	8.84	493564	9.69	202107	12.94	245912	15.50	54507	6.42
ZZZZZZ	346162	8.84	509880	9.69	202705	12.94	245051	15.50	54273	6.43
ZZZZZZ	339178	8.84	496043	9.69	203676	12.94	249450	15.50	52867	6.43
ZZZZZZ	349312	8.84	503413	9.69	195228	12.94	254954	15.50	57769	6.43
ZZZZZZ	358585	8.84	522192	9.69	210145	12.94	265298	15.50	58615	6.43
ZZZZZZ	353117	8.84	513451	9.69	202520	12.94	263969	15.50	57384	6.42
ZZZZZZ	367423	8.84	546389	9.69	216012	12.94	264452	15.50	58364	6.42
ZZZZZZ	374498	8.84	541105	9.69	220198	12.94	271566	15.50	59872	6.43
ZZZZZZ	352312	8.84	511455	9.69	194091	12.94	257577	15.50	57712	6.43
ZZZZZZ	387448	8.84	541787	9.69	228007	12.94	280054	15.50	63967	6.43
ZZZZZZ	381733	8.84	554492	9.69	217978	12.94	271631	15.50	61185	6.43
ZZZZZZ	363272	8.84	531154	9.69	208415	12.94	257007	15.50	57277	6.43

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std: MSP2326-CC2318 **Injection Date:** 08/14/13
Lab File ID: P71015.D **Injection Time:** 11:07
Instrument ID: GCMSP **Method:** SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	855002	8.45	1084646	9.30	705289	12.55	534749	15.10	372922	6.08
Upper Limit [a]	1710004	8.95	2169292	9.80	1410578	13.05	1069498	15.60	745844	6.58
Lower Limit [b]	427501	7.95	542323	8.80	352645	12.05	267375	14.60	186461	5.58
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**
MSP2326-BS	884788	8.45	1133511	9.30	727921	12.55	548600	15.10	379414	6.08
MSP2326-BSD	887271	8.45	1127838	9.30	716656	12.54	520246	15.10	373278	6.08
MSP2326-MB	795203	8.46	985586	9.31	563101	12.55	369044	15.10	361183	6.10
ZZZZZZ	710394	8.46	865860	9.31	463656	12.55	303242	15.11	269101	6.10
ZZZZZZ	409427[c]	8.46	492574[c]	9.31	268305[c]	12.55	190545[c]	15.11	263576	6.10
ZZZZZZ	728447	8.46	902196	9.31	481886	12.55	261417[c]	15.11	394647	6.09
MC23272-6	445266	8.46	519772[d]	9.31	185573[d]	12.55	93942[d]	15.11	419777	6.09
MC23272-6MS	477182	8.45	582757	9.30	225784[d]	12.55	99698[d]	15.11	432965	6.08
MC23272-6MSD	487534	8.46	610716	9.31	235013[d]	12.54	101134[d]	15.10	429683	6.08
ZZZZZZ	567721	8.46	675250	9.31	251349[c]	12.55	121210[c]	15.11	404143	6.11
ZZZZZZ	546317	8.46	650501	9.31	261034[c]	12.55	122582[c]	15.11	259495	6.11
ZZZZZZ	687813	8.46	834695	9.31	442233	12.55	230865[c]	15.11	290813	6.10
ZZZZZZ	703276	8.46	859382	9.31	486137	12.55	304664	15.11	331063	6.09
ZZZZZZ	651217	8.46	823474	9.31	475535	12.55	301956	15.10	431847	6.09
ZZZZZZ	627922	8.46	769344	9.31	438033	12.55	283575	15.11	419288	6.08
ZZZZZZ	629944	8.46	775875	9.31	438118	12.55	276983	15.11	427426	6.09

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.
(d) Outside control limits due to possible matrix interference. Confirmed by MS/MSD.

Volatile Surrogate Recovery Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC23272-1	K72967.D	109.0	105.0	102.0
MC23272-2	K72968.D	107.0	105.0	103.0
MC23272-3	K72969.D	110.0	105.0	104.0
MC23272-4	K72996.D	110.0	102.0	102.0
MC23272-4	K72970.D	114.0	109.0	105.0
MC23272-5	G130434.D	103.0	104.0	104.0
MC23272-6	P71024.D	115.0	71.0	97.0
MC23133-1MS	K72964.D	100.0	104.0	103.0
MC23133-1MSD	K72965.D	102.0	104.0	101.0
MC23228-1MS	K72994.D	102.0	108.0	102.0
MC23228-1MSD	K72995.D	99.0	103.0	101.0
MC23272-6MS	P71025.D	116.0	72.0	108.0
MC23272-6MSD	P71026.D	115.0	70.0	107.0
MC23427-1MS	G130449.D	105.0	102.0	103.0
MC23427-1MSD	G130450.D	111.0	107.0	111.0
MSG5087-BS	G130426.D	104.0	101.0	102.0
MSG5087-MB	G130429.D	103.0	101.0	101.0
MSK2375-BS	K72950.D	97.0	99.0	96.0
MSK2375-MB	K72953.D	108.0	102.0	101.0
MSK2376-BS	K72988.D	97.0	101.0	95.0
MSK2376-MB	K72991.D	110.0	106.0	105.0
MSP2326-BS	P71016.D	97.0	89.0	86.0
MSP2326-BSD	P71017.D	95.0	89.0	89.0
MSP2326-MB	P71020.D	94.0	87.0	90.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC23272 **Sample:** MSG5050-ICC5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G128905.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report MSG

Method : C:\msdchem\1\METHODS\g130628s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Calibration Files
2 =G128902.D 5 =G128903.D 50 =G128905.D 100 =G128906.D
200 =G128907.D 400 =G128908.D 0.5 =G128901.D 25 =G128904.D
= =

Compound	2	5	50	100	200	400	0.5	25	Avg	%RSD
1) I tert butyl alcohol-d9	ISTD									
2) tertiary butyl alcohol			1.504	1.515	1.461	1.506		1.572	1.512	2.62
3) Ethanol			0.148	0.146	0.135	0.135		0.154	0.144	5.93
4) I pentafluorobenzene	ISTD									
5) dichlorodifluoromethane	0.955	0.767	0.801	0.726	0.722	0.716		0.773	0.780	10.70
6) chloromethane			0.717	0.741	0.653	0.634	0.638	0.695	0.680	6.55
7) vinyl chloride	0.212	0.202	0.215	0.194	0.179	0.181		0.194	0.197	7.04
8) bromomethane	0.484	0.394	0.363	0.355	0.347	0.352		0.412	0.387	12.68
9) chloroethane			0.357	0.346	0.332	0.320	0.318	0.363	0.339	5.64
10) ethyl ether			0.650	0.686	0.666	0.655	0.649	0.697	0.667	2.99
11) acetonitrile			1.332	1.362	1.299	1.240	1.246	1.365	1.307	4.23
12) trichlorofluoromethane	1.076	1.028	1.201	1.129	1.102	1.147		1.148	1.119	5.01
13) freon-113			0.839	0.908	0.841	0.806	0.831	0.859	0.847	4.07
14) acrolein			0.072	0.073	0.069	0.073		0.074	0.072	2.42
15) 1,1-dichloroethene	0.977	0.816	0.851	0.799	0.769	0.803		0.859	0.839	8.13
16) acetone			0.146	0.131	0.121	0.110	0.085	0.131	0.121	17.58
---- Quadratic regression ---- Coefficient = 1.0000										
Response Ratio = 0.00075 + 0.13466 *A + -0.00622 *A^2										
17) Methyl Acetate			1.136	0.952	0.929	0.876	0.832	0.934	0.943	11.06
18) methylene chloride	1.225	1.151	0.949	0.901	0.874	0.872		0.990	0.995	14.10
19) methyl tert butyl ether	2.580	2.240	2.364	2.314	2.278	2.300		2.370	2.349	4.75
20) acrylonitrile			0.321	0.319	0.306	0.308		0.324	0.316	2.50
21) allyl chloride			1.366	1.362	1.300	1.244	1.259	1.365	1.316	4.27

Initial Calibration Summary

Job Number: MC23272 **Sample:** MSG5050-ICC5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G128905.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
22)  trans-1,2-dichloroethene
          0.975 0.831 0.869 0.830 0.798 0.814       0.879         0.857    6.93
23)  iodomethane
                  1.403 1.491 1.410 1.356 1.342       1.519         1.420    5.01
24)  carbon disulfide
                  2.148 2.577 2.521 2.486 2.629       2.479         2.473    6.84
25)  propionitrile
                  0.120 0.117 0.115 0.113 0.115       0.113         0.115    2.34
26)  vinyl acetate
                  1.001 1.299 1.389 1.345 1.625       1.297         1.326   15.12
               ---- Linear regression ----  Coefficient =  0.9928
                 Response Ratio = -0.34246 + 1.61938 *A

27)  chloroprene
                  1.228 1.290 1.239 1.177 1.223       1.287         1.241    3.46
28)  di-isopropyl ether
          3.378 2.939 2.979 2.886 2.815 2.816       3.051         2.980    6.55
29)  methacrylonitrile
                  0.694 0.635 0.607 0.590 0.593       0.642         0.627    6.24
30)  2-butanone
                  0.121 0.113 0.105 0.103 0.091       0.115         0.108   10.01
31)  Ethyl Acetate
                  0.381 0.301 0.287 0.283 0.281       0.310         0.307   12.44
32)  Hexane
                  0.891 0.780 0.735 0.700 0.713       0.778         0.766    9.06
33)  1,1-dichloroethane
          1.700 1.490 1.543 1.482 1.419 1.441       1.581         1.522    6.31
34)  tert-butyl ethyl ether
          2.888 2.502 2.642 2.568 2.520 2.561       2.672         2.622    5.05
35)  isobutyl alcohol
                  0.061 0.041 0.036 0.038 0.038       0.046         0.043   21.31
               ---- Linear regression ----  Coefficient =  0.9995
                 Response Ratio = 0.01007 + 0.03743 *A

36)  2,2-dichloropropane
                  0.734 0.705 0.692 0.629 0.593       0.772         0.688    9.64
37)  cis-1,2-dichloroethene
          1.073 0.930 0.956 0.915 0.884 0.889       0.984         0.947    6.94
38)  bromochloromethane
                  0.415 0.431 0.425 0.415 0.417       0.437         0.423    2.19
39)  chloroform
          1.709 1.420 1.490 1.450 1.395 1.416       1.518         1.485    7.25
40)  dibromofluoromethane (s)
                  0.769 0.796 0.789 0.772 0.791       0.787         0.784    1.38
41)  Tetrahydrofuran
                        0.229 0.226 0.215 0.212       0.230         0.223    3.79
42)  1,1,1-trichloroethane
          1.298 1.141 1.214 1.198 1.155 1.199       1.215         1.203    4.22

43) I   1,4-difluorobenzene   ----------------ISTD--------------------
44)  Cyclohexane
                  0.963 1.000 0.935 0.886 0.867       0.990         0.940    5.82
45)  carbon tetrachloride
          0.571 0.558 0.651 0.644 0.629 0.645       0.622         0.617    6.05
46)  1,1-dichloropropene
                  0.702 0.735 0.691 0.667 0.666       0.728         0.698    4.22
47)  benzene
          2.528 2.125 2.148 2.037 1.945 1.900 2.509 2.186         2.172   10.82
48)  1,2-dichloroethane
          0.747 0.645 0.674 0.645 0.631 0.619       0.675         0.662    6.44
```

Initial Calibration Summary

Job Number: MC23272 **Sample:** MSG5050-ICC5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G128905.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
49)  tert-amyl methyl ether
                1.371 1.500 1.412 1.420 1.381       1.496         1.430    3.90
50)  heptane
                1.225 1.154 1.099 1.047 1.010       1.138         1.112    6.99
51)  trichloroethene
          0.653 0.561 0.581 0.548 0.528 0.518 0.637 0.581         0.576    8.36
52)  1,2-dichloropropane
          0.621 0.541 0.560 0.544 0.529 0.519       0.568         0.555    6.07
53)  dibromomethane
                      0.318 0.312 0.305 0.299       0.315         0.310    2.51
54)  bromodichloromethane
          0.613 0.516 0.621 0.626 0.631 0.640       0.602         0.607    6.91
55)  Methylcyclohexane
                0.856 0.920 0.866 0.838 0.837       0.903         0.870    3.95
56)  2-chloroethyl vinyl ether
                0.097 0.131 0.141 0.154 0.163       0.118         0.134   18.11
              ---- Linear regression ----  Coefficient =  0.9990
                Response Ratio = -0.02844 + 0.16505 *A

57)  methyl methacrylate
                0.333 0.344 0.338 0.328 0.328       0.336         0.334    1.86
58)  1,4-dioxane
                      0.006 0.006 0.006 0.005       0.005         0.005    5.57
59)  cis-1,3-dichloropropene
          0.886 0.761 0.876 0.852 0.844 0.838       0.864         0.846    4.86
60)  toluene-d8 (s)
          2.157 1.937 1.975 1.891 1.812 1.786 2.267 1.972         1.975    8.33
61)  4-methyl-2-pentanone
                0.558 0.569 0.546 0.547 0.542       0.545         0.551    1.88
62)  toluene
                1.336 1.376 1.309 1.244 1.213       1.391         1.311    5.43
63)  trans-1,3-dichloropropene
          0.678 0.613 0.707 0.694 0.686 0.677       0.690         0.678    4.49
64)  1,1,2-trichloroethane
          0.428 0.376 0.396 0.381 0.371 0.360       0.393         0.387    5.76
65)  ethyl methacrylate
                0.613 0.664 0.639 0.627 0.608       0.649         0.633    3.40

66) I   chlorobenzene-d5      ----------------ISTD--------------------
67)  tetrachloroethene
          1.216 1.049 1.073 1.005 0.948 0.934 1.089 1.074         1.048    8.54
68)  1,3-dichloropropane
                1.465 1.540 1.507 1.443 1.422       1.532         1.485    3.27
69)  dibromochloromethane
          0.708 0.617 0.857 0.908 0.927 0.964       0.785         0.824   15.36
              ---- Linear regression ----  Coefficient =  0.9996
                Response Ratio = -0.07824 + 0.96679 *A

70)  1,2-dibromoethane
          0.947 0.827 0.911 0.899 0.877 0.878       0.892         0.890    4.12
71)  2-hexanone
                0.798 0.757 0.681 0.651 0.560       0.744         0.699   12.30
72)  chlorobenzene
          3.268 2.721 2.833 2.698 2.582 2.520       2.890         2.788    8.90
73)  1,1,1,2-tetrachloroethane
                0.850 0.959 0.943 0.904 0.862       0.941         0.910    5.02
74)  ethylbenzene
          6.007 5.106 5.199 4.915 4.604 4.423       5.277         5.076   10.17
75)  m,p-xylene
          2.208 1.875 1.932 1.819 1.678 1.551       1.951         1.859   11.31
```

Initial Calibration Summary

Job Number: MC23272 **Sample:** MSG5050-ICC5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G128905.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
 76)  o-xylene
            2.040 1.738 1.851 1.750 1.664 1.617       1.856         1.788    7.94
 77)  styrene
                  3.153 3.372 3.170 3.036 2.932       3.414         3.179    5.88
 78)  bromoform
            0.336 0.320 0.482 0.520 0.548 0.564       0.426         0.457   21.70
             ---- Linear regression ----  Coefficient =  0.9996
               Response Ratio = -0.05730 + 0.56850 *A

 79)  trans-1,4-dichloro-2-butene
                  0.240 0.313 0.314 0.317 0.324       0.286         0.299   10.65

 80) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
 81)  isopropylbenzene
                  4.974 5.097 4.843 4.434 4.387       5.184         4.820    7.01
 82)  bromofluorobenzene (s)
            1.926 1.735 1.669 1.591 1.505 1.514       1.639         1.654    8.79
 83)  bromobenzene
                  1.325 1.342 1.286 1.196 1.166       1.383         1.283    6.66
 84)  1,1,2,2-tetrachloroethane
            1.277 1.096 1.209 1.182 1.148 1.167       1.180         1.180    4.72
 85)  1,2,3-trichloropropane
                  0.948 0.987 0.944 0.915 0.904       0.956         0.942    3.15
 86)  n-propylbenzene
                  5.858 6.013 5.723 5.247 5.179       6.115         5.689    6.90
 87)  2-chlorotoluene
                  4.285 4.221 3.976 3.675 3.602       4.307         4.011    7.79
 88)  4-chlorotoluene
                  3.607 3.652 3.471 3.248 3.237       3.725         3.490    5.98
 89)  1,3,5-trimethylbenzene
                  4.488 4.669 4.431 4.094 3.995       4.688         4.394    6.61
 90)  tert-butylbenzene
                  2.933 2.889 2.759 2.551 2.563       2.935         2.772    6.43
 91)  1,2,4-trimethylbenzene
                  4.520 4.670 4.466 4.137 4.126       4.762         4.447    5.98
 92)  sec-butylbenzene
                  5.049 5.234 4.942 4.585 4.592       5.292         4.949    6.19
 93)  1,3-dichlorobenzene
            2.649 2.261 2.338 2.223 2.094 2.072       2.391         2.290    8.60
 94)  p-isopropyltoluene
                  4.168 4.431 4.170 3.882 3.891       4.448         4.165    5.94
 95)  1,4-dichlorobenzene
            2.961 2.536 2.550 2.435 2.310 2.248       2.599         2.520    9.26
 96)  1,2-dichlorobenzene
            2.518 2.161 2.247 2.142 2.050 2.016       2.272         2.201    7.64
 97)  n-butylbenzene
                  4.012 4.374 4.106 3.889 3.897       4.368         4.108    5.34
 98)  1,2-dibromo-3-chloropropane
                  0.145 0.180 0.189 0.194 0.206       0.158         0.179   12.95
 99)  1,3,5-trichlorobenzene
                        1.691 1.613 1.558 1.517       1.670         1.610    4.56
100)  1,2,4-trichlorobenzene
                  1.137 1.482 1.455 1.421 1.370       1.401         1.378    9.01
101)  hexachlorobutadiene
                  0.703 0.764 0.699 0.672 0.642       0.731         0.702    6.11
102)  naphthalene
                  2.514 3.340 3.329 3.250 3.247       3.052         3.122   10.10
103)  2-Methylnaphthalene
                        0.797 0.861 0.972 1.055       0.617         0.860   19.59
             ---- Linear regression ----  Coefficient =  0.9989
```

Initial Calibration Summary

Job Number: MC23272 **Sample:** MSG5050-ICC5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G128905.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
               Response Ratio = -0.17096 + 1.08806 *A

104)  1-Methylnaphthalene
                  0.374 0.610 0.651 0.706 0.752       0.471         0.594   24.37
              ---- Linear regression ----  Coefficient =  0.9989
               Response Ratio = -0.07325 + 0.76309 *A

105)  1,2,3-trichlorobenzene
                        1.215 1.184 1.166 1.136       1.104         1.161    3.68
 ---------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           g130628s.m        Mon Jul 01 09:04:14 2013
```

Initial Calibration Verification

Job Number: MC23272 **Sample:** MSG5050-ICV5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G128911.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\G130628\G128911.D Vial: 38
Acq On : 29 Jun 2013 5:28 am Operator: jaimem
Sample : cc5050-50 Inst : MSG
Misc : MS29239,MSG5050,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130628s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Jun 29 07:48:45 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	96	0.00	3.08
2	M	tertiary butyl alcohol	1.512	1.558	-3.0	99	-0.01	3.16
3	T	Ethanol	0.144	0.121	16.0	78	-0.01	2.45
4	I	pentafluorobenzene	1.000	1.000	0.0	100	0.00	5.07
5	M	dichlorodifluoromethane	0.780	0.998	-27.9#	124	0.00	1.65
6	P	chloromethane	0.680	0.869	-27.8#	117	0.00	1.83
7	c	vinyl chloride	0.197	0.214	-8.6	99	0.03	1.92
8	M	bromomethane	0.387	0.417	-7.8	115	0.02	2.28
9	M	chloroethane	0.339	0.395	-16.5	114	0.00	2.34
10	M	ethyl ether	0.667	0.661	0.9	96	0.00	2.79
11	M	acetonitrile	1.307	1.303	0.3	95	0.00	3.42
12	M	trichlorofluoromethane	1.119	1.210	-8.1	101	0.03	2.61
13	M	freon-113	0.847	0.928	-9.6	102	0.00	2.93
14	M	acrolein	0.072	0.128	-77.8#	176	0.00	2.91
15	c	1,1-dichloroethene	0.839	0.906	-8.0	106	0.01	3.10
			Amount	Calc.	%Drift			
16	M	acetone	50.000	57.608	-15.2	113	0.00	2.97
			AvgRF	CCRF	%Dev			
17	M	Methyl Acetate	0.943	0.978	-3.7	103	0.00	3.38
18	M	methylene chloride	0.995	0.949	4.6	100	0.00	3.54
19	M	methyl tert butyl ether	2.349	2.260	3.8	95	0.00	3.67
20	M	acrylonitrile	0.316	0.306	3.2	95	0.00	3.64
21	M	allyl chloride	1.316	1.303	1.0	95	0.00	3.42
22	M	trans-1,2-dichloroethene	0.857	0.855	0.2	98	0.00	3.80
23	M	iodomethane	1.420	1.472	-3.7	99	0.00	3.39
24	M	carbon disulfide	2.473	2.618	-5.9	101	0.00	3.60
25	M	propionitrile	0.115	0.106	7.8	90	0.00	4.72
			Amount	Calc.	%Drift			
26	M	vinyl acetate	50.000	27.884	44.2#	43	0.00	4.21
			AvgRF	CCRF	%Dev			
27	M	chloroprene	1.241	1.317	-6.1	102	0.00	4.31
28	M	di-isopropyl ether	2.980	2.746	7.9	92	0.00	4.10
29	M	methacrylonitrile	0.627	0.601	4.1	94	0.00	4.93
30	M	2-butanone	0.108	0.123	-13.9	109	0.00	4.64
31		Ethyl Acetate	0.307	0.332	-8.1	110	0.00	4.81
32	M	Hexane	0.766	0.784	-2.3	100	0.00	3.85
33	P	1,1-dichloroethane	1.522	1.549	-1.8	100	0.00	4.22

Initial Calibration Verification

Job Number: MC23272 **Sample:** MSG5050-ICV5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G128911.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

34	M	tert-butyl ethyl ether	2.622	2.547	2.9	96	0.00	4.51
			Amount	Calc.	%Drift			
35	M	isobutyl alcohol	250.000	262.986	-5.2	101	0.00	4.97
			AvgRF	CCRF	%Dev			
36	M	2,2-dichloropropane	0.688	0.673	2.2	95	0.00	4.79
37	M	cis-1,2-dichloroethene	0.947	0.918	3.1	96	0.00	4.84
38	M	bromochloromethane	0.423	0.427	-0.9	99	0.00	5.18
39	c	chloroform	1.485	1.456	2.0	98	0.00	5.00
40	S	dibromofluoromethane (s)	0.784	0.778	0.8	98	0.00	5.23
41	M	Tetrahydrofuran	0.223	0.211	5.4	92	0.00	5.22
42	M	1,1,1-trichloroethane	1.203	1.227	-2.0	101	0.00	5.44
43	I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	6.20
44	M	Cyclohexane	0.940	0.913	2.9	93	0.00	5.45
45	M	carbon tetrachloride	0.617	0.642	-4.1	100	0.00	5.71
46	M	1,1-dichloropropene	0.698	0.731	-4.7	101	0.00	5.60
47	M	benzene	2.172	2.075	4.5	98	0.00	5.90
48	M	1,2-dichloroethane	0.662	0.649	2.0	98	0.00	5.88
49	M	tert-amyl methyl ether	1.430	1.409	1.5	95	0.00	5.73
50	M	heptane	1.112	1.072	3.6	94	0.00	5.74
51	M	trichloroethene	0.576	0.578	-0.3	101	0.00	6.56
52	c	1,2-dichloropropane	0.555	0.539	2.9	98	0.00	6.76
53	M	dibromomethane	0.310	0.310	0.0	99	0.00	7.08
54	M	bromodichloromethane	0.607	0.605	0.3	99	0.00	7.02
55	M	Methylcyclohexane	0.870	0.880	-1.1	97	0.00	6.63
			Amount	Calc.	%Drift			
56	M	2-chloroethyl vinyl ether	50.000	37.346	25.3#	73	0.00	7.35
			AvgRF	CCRF	%Dev			
57	M	methyl methacrylate	0.334	0.318	4.8	94	0.00	6.82
58	M	1,4-dioxane	0.005	0.005	0.0	84	0.00	7.06
59	M	cis-1,3-dichloropropene	0.846	0.799	5.6	93	0.00	7.61
60	S	toluene-d8 (s)	1.975	1.883	4.7	97	0.00	7.88
61	M	4-methyl-2-pentanone	0.551	0.507	8.0	91	0.00	7.38
62	c	toluene	1.311	1.333	-1.7	98	0.00	7.97
63	M	trans-1,3-dichloropropene	0.678	0.700	-3.2	100	0.00	8.16
64	M	1,1,2-trichloroethane	0.387	0.380	1.8	97	0.00	8.34
65	M	ethyl methacrylate	0.633	0.617	2.5	94	0.00	8.15
66	I	chlorobenzene-d5	1.000	1.000	0.0	101	0.00	9.54
67	M	tetrachloroethene	1.048	1.062	-1.3	100	0.00	8.68
68	M	1,3-dichloropropane	1.485	1.467	1.2	96	0.00	8.61
			Amount	Calc.	%Drift			
69	M	dibromochloromethane	50.000	48.000	4.0	100	0.00	8.91
			AvgRF	CCRF	%Dev			
70	M	1,2-dibromoethane	0.890	0.904	-1.6	100	0.00	9.13
71	M	2-hexanone	0.699	0.828	-18.5	110	0.00	8.35
72	P	chlorobenzene	2.788	2.910	-4.4	104	0.00	9.58
73	M	1,1,1,2-tetrachloroethane	0.910	0.929	-2.1	98	0.00	9.63
74	c	ethylbenzene	5.076	5.029	0.9	98	0.00	9.64
75	M	m,p-xylene	1.859	1.929	-3.8	101	0.00	9.72
76	M	o-xylene	1.788	1.895	-6.0	103	0.00	10.20
77	M	styrene	3.179	3.175	0.1	95	0.00	10.24
			Amount	Calc.	%Drift			

Initial Calibration Verification

Job Number: MC23272 **Sample:** MSG5050-ICV5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G128911.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

78	P	bromoform	50.000	46.020	8.0	98	0.00	10.61
		----------	AvgRF	CCRF	%Dev	----------		
79	M	trans-1,4-dichloro-2-bute	0.299	0.277	7.4	89	0.00	10.65
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	12.16
81	M	isopropylbenzene	4.820	5.277	-9.5	105	0.00	10.59
82	S	bromofluorobenzene (s)	1.654	1.580	4.5	96	0.00	10.87
83	M	bromobenzene	1.283	1.302	-1.5	98	0.00	11.08
84	P	1,1,2,2-tetrachloroethane	1.180	1.110	5.9	93	0.00	10.78
85	M	1,2,3-trichloropropane	0.942	0.943	-0.1	97	0.00	10.94
86	M	n-propylbenzene	5.689	6.155	-8.2	103	0.00	11.03
87	M	2-chlorotoluene	4.011	4.246	-5.9	102	0.00	11.23
88	M	4-chlorotoluene	3.490	3.782	-8.4	105	0.00	11.28
89	M	1,3,5-trimethylbenzene	4.394	4.352	1.0	94	0.00	11.20
90	M	tert-butylbenzene	2.772	2.928	-5.6	102	0.00	11.60
91	M	1,2,4-trimethylbenzene	4.447	4.386	1.4	95	0.00	11.63
92	M	sec-butylbenzene	4.949	5.387	-8.9	104	0.00	11.83
93	M	1,3-dichlorobenzene	2.290	2.374	-3.7	103	0.00	12.08
94	M	p-isopropyltoluene	4.165	4.417	-6.1	101	0.00	11.98
95	M	1,4-dichlorobenzene	2.520	2.467	2.1	98	0.00	12.20
96	M	1,2-dichlorobenzene	2.201	2.304	-4.7	104	0.00	12.60
97	M	n-butylbenzene	4.108	4.155	-1.1	96	0.00	12.42
98	M	1,2-dibromo-3-chloropropa	0.179	0.177	1.1	99	0.00	13.46
99		1,3,5-trichlorobenzene	1.610	1.588	1.4	95	0.00	13.72
100	M	1,2,4-trichlorobenzene	1.378	1.414	-2.6	96	0.00	14.42
101	M	hexachlorobutadiene	0.702	0.728	-3.7	96	0.00	14.58
102	M	naphthalene	3.122	3.161	-1.2	96	0.00	14.71
		----------	Amount	Calc.	%Drift	----------		
103		2-Methylnaphthalene	25.000	23.867	4.5	88	0.00	15.89
104		1-Methylnaphthalene	25.000	23.554	5.8	95	0.00	16.16
		----------	AvgRF	CCRF	%Dev	----------		
105	M	1,2,3-trichlorobenzene	1.161	1.140	1.8	95	0.00	14.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
G128905.D g130628s.m Sat Jun 29 09:09:36 2013

Continuing Calibration Summary

Job Number: MC23272 **Sample:** MSG5087-CC5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130425.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\G130813\G130425.D Vial: 3
Acq On : 13 Aug 2013 9:06 am Operator: jaimem
Sample : cc5050-50 Inst : MSG
Misc : MS29638,MSG5087,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130628s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Jun 29 07:48:45 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	85	0.00	3.08
2	M	tertiary butyl alcohol	1.512	1.552	-2.6	87	-0.02	3.15
3	T	Ethanol	0.144	0.123	14.6	70	-0.02	2.43
4	I	pentafluorobenzene	1.000	1.000	0.0	90	0.00	5.07
5	M	dichlorodifluoromethane	0.780	0.818	-4.9	92	0.00	1.65
6	P	chloromethane	0.680	0.575	15.4	70	0.00	1.83
7	c	vinyl chloride	0.197	0.202	-2.5	84	0.03	1.92
8	M	bromomethane	0.387	0.409	-5.7	101	0.02	2.29
9	M	chloroethane	0.339	0.317	6.5	82	0.03	2.36
10	M	ethyl ether	0.667	0.577	13.5	76	0.00	2.79
11	M	acetonitrile	1.307	0.991	24.2#	65	0.00	3.43
12	M	trichlorofluoromethane	1.119	1.190	-6.3	89	0.03	2.61
13	M	freon-113	0.847	0.849	-0.2	84	0.06	3.00
14	M	acrolein	0.072	0.060	16.7	75	0.00	2.91
15	c	1,1-dichloroethene	0.839	0.788	6.1	83	0.04	3.13
			Amount	Calc.	%Drift			
16	M	acetone	50.000	40.794	18.4	73	0.00	2.96
			AvgRF	CCRF	%Dev			
17	M	Methyl Acetate	0.943	0.798	15.4	75	0.00	3.38
18	M	methylene chloride	0.995	0.837	15.9	79	0.02	3.56
19	M	methyl tert butyl ether	2.349	2.077	11.6	79	0.00	3.66
20	M	acrylonitrile	0.316	0.269	14.9	75	0.00	3.64
21	M	allyl chloride	1.316	0.991	24.7#	65	0.00	3.43
22	M	trans-1,2-dichloroethene	0.857	0.771	10.0	80	0.00	3.81
23	M	iodomethane	1.420	1.115	21.5#	67	0.02	3.41
24	M	carbon disulfide	2.473	2.332	5.7	81	0.00	3.60
25	M	propionitrile	0.115	0.100	13.0	76	0.00	4.72
			Amount	Calc.	%Drift			
26	M	vinyl acetate	50.000	55.450	-10.9	100	0.00	4.21
			AvgRF	CCRF	%Dev			
27	M	chloroprene	1.241	1.004	19.1	70	0.00	4.31
28	M	di-isopropyl ether	2.980	2.323	22.0#	70	0.00	4.10
29	M	methacrylonitrile	0.627	0.515	17.9	73	0.00	4.93
30	M	2-butanone	0.108	0.100	7.4	79	0.00	4.64
31		Ethyl Acetate	0.307	0.146	52.4#	44#	0.00	4.81
32	M	Hexane	0.766	0.710	7.3	82	0.00	3.85
33	P	1,1-dichloroethane	1.522	1.203	21.0#	70	0.00	4.22

Continuing Calibration Summary

Job Number: MC23272 **Sample:** MSG5087-CC5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130425.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

34	M	tert-butyl ethyl ether	2.622	2.187	16.6	74	0.00	4.51
			Amount	Calc.	%Drift			
35	M	isobutyl alcohol	250.000	196.174	21.5#	69	-0.01	4.95
			AvgRF	CCRF	%Dev			
36	M	2,2-dichloropropane	0.688	0.641	6.8	82	0.00	4.79
37	M	cis-1,2-dichloroethene	0.947	0.842	11.1	79	0.00	4.84
38	M	bromochloromethane	0.423	0.373	11.8	78	0.00	5.18
39	c	chloroform	1.485	1.234	16.9	74	0.00	5.00
40	S	dibromofluoromethane (s)	0.784	0.770	1.8	87	0.00	5.23
41	M	Tetrahydrofuran	0.223	0.189	15.2	74	0.00	5.22
42	M	1,1,1-trichloroethane	1.203	0.932	22.5#	69	0.00	5.43
43	I	1,4-difluorobenzene	1.000	1.000	0.0	89	0.00	6.20
44	M	Cyclohexane	0.940	0.805	14.4	71	0.02	5.48
45	M	carbon tetrachloride	0.617	0.523	15.2	71	0.00	5.71
46	M	1,1-dichloropropene	0.698	0.655	6.2	79	0.00	5.60
47	M	benzene	2.172	1.898	12.6	78	0.00	5.90
48	M	1,2-dichloroethane	0.662	0.593	10.4	78	0.00	5.88
49	M	tert-amyl methyl ether	1.430	1.298	9.2	77	0.00	5.72
50	M	heptane	1.112	0.962	13.5	74	0.00	5.74
51	M	trichloroethene	0.576	0.522	9.4	79	0.00	6.56
52	c	1,2-dichloropropane	0.555	0.489	11.9	77	0.00	6.76
53	M	dibromomethane	0.310	0.275	11.3	77	0.00	7.08
54	M	bromodichloromethane	0.607	0.562	7.4	80	0.00	7.02
55	M	Methylcyclohexane	0.870	0.812	6.7	78	0.00	6.63
			Amount	Calc.	%Drift			
56	M	2-chloroethyl vinyl ether	50.000	33.376	33.2#	55	0.00	7.35
			AvgRF	CCRF	%Dev			
57	M	methyl methacrylate	0.334	0.302	9.6	78	0.00	6.82
58	M	1,4-dioxane	0.005	0.005	0.0	76	0.00	7.05
59	M	cis-1,3-dichloropropene	0.846	0.797	5.8	81	0.00	7.61
60	S	toluene-d8 (s)	1.975	1.836	7.0	82	0.00	7.88
61	M	4-methyl-2-pentanone	0.551	0.434	21.2#	68	0.00	7.38
62	c	toluene	1.311	1.222	6.8	79	0.00	7.97
63	M	trans-1,3-dichloropropene	0.678	0.670	1.2	84	0.00	8.16
64	M	1,1,2-trichloroethane	0.387	0.371	4.1	83	0.00	8.34
65	M	ethyl methacrylate	0.633	0.569	10.1	76	0.00	8.15
66	I	chlorobenzene-d5	1.000	1.000	0.0	84	0.00	9.54
67	M	tetrachloroethene	1.048	1.009	3.7	79	0.00	8.68
68	M	1,3-dichloropropane	1.485	1.493	-0.5	81	0.00	8.61
			Amount	Calc.	%Drift			
69	M	dibromochloromethane	50.000	49.770	0.5	86	0.00	8.91
			AvgRF	CCRF	%Dev			
70	M	1,2-dibromoethane	0.890	0.921	-3.5	85	0.00	9.12
71	M	2-hexanone	0.699	0.634	9.3	70	0.00	8.34
72	P	chlorobenzene	2.788	3.037	-8.9	90	0.00	9.58
73	M	1,1,1,2-tetrachloroethane	0.910	0.965	-6.0	84	0.00	9.63
74	c	ethylbenzene	5.076	4.937	2.7	79	0.00	9.64
75	M	m,p-xylene	1.859	1.940	-4.4	84	0.00	9.72
76	M	o-xylene	1.788	1.923	-7.6	87	0.00	10.20
77	M	styrene	3.179	3.127	1.6	78	0.00	10.24
			Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: MC23272 **Sample:** MSG5087-CC5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130425.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

78	P	bromoform	50.000	47.347	5.3	83	0.00	10.61
		----------	AvgRF	CCRF	%Dev	----------		
79	M	trans-1,4-dichloro-2-bute	0.299	0.310	-3.7	83	0.00	10.64
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	88	0.00	12.16
81	M	isopropylbenzene	4.820	5.153	-6.9	89	0.00	10.59
82	S	bromofluorobenzene (s)	1.654	1.569	5.1	83	0.00	10.87
83	M	bromobenzene	1.283	1.269	1.1	83	0.00	11.08
84	P	1,1,2,2-tetrachloroethane	1.180	1.166	1.2	85	0.00	10.78
85	M	1,2,3-trichloropropane	0.942	0.915	2.9	82	0.00	10.94
86	M	n-propylbenzene	5.689	6.078	-6.8	89	0.00	11.03
87	M	2-chlorotoluene	4.011	4.192	-4.5	88	0.00	11.22
88	M	4-chlorotoluene	3.490	3.661	-4.9	88	0.00	11.28
89	M	1,3,5-trimethylbenzene	4.394	4.253	3.2	80	0.00	11.20
90	M	tert-butylbenzene	2.772	2.819	-1.7	86	0.00	11.60
91	M	1,2,4-trimethylbenzene	4.447	4.273	3.9	81	0.00	11.63
92	M	sec-butylbenzene	4.949	5.300	-7.1	89	0.00	11.83
93	M	1,3-dichlorobenzene	2.290	2.453	-7.1	93	0.00	12.08
94	M	p-isopropyltoluene	4.165	4.058	2.6	81	0.00	11.97
95	M	1,4-dichlorobenzene	2.520	2.411	4.3	83	0.00	12.20
96	M	1,2-dichlorobenzene	2.201	2.368	-7.6	93	0.00	12.60
97	M	n-butylbenzene	4.108	3.968	3.4	80	0.00	12.42
98	M	1,2-dibromo-3-chloropropa	0.179	0.144	19.6	71	0.00	13.46
99		1,3,5-trichlorobenzene	1.610	1.448	10.1	76	0.00	13.72
100	M	1,2,4-trichlorobenzene	1.378	1.213	12.0	72	0.00	14.42
101	M	hexachlorobutadiene	0.702	0.692	1.4	80	0.00	14.57
102	M	naphthalene	3.122	2.796	10.4	74	0.00	14.71
		----------	Amount	Calc.	%Drift	----------		
103		2-Methylnaphthalene	25.000	32.760	-31.0#	120	0.00	15.89
104		1-Methylnaphthalene	25.000	34.750	-39.0#	132	0.00	16.16
		----------	AvgRF	CCRF	%Dev	----------		
105	M	1,2,3-trichlorobenzene	1.161	0.729	37.2#	53	0.00	14.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
G128905.D g130628s.m Tue Aug 13 10:00:46 2013

Initial Calibration Summary

Job Number: MC23272 **Sample:** MSK2374-ICC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72940.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report MSK

Method : C:\msdchem\1\methods\K130807S.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Calibration Files
0.5 =k72936.D 2 =k72937.D 5 =k72938.D 50 =k72940.D
100 =k72941.D 400 =k72943.D 25 =k72939.D =
= =

Compound	0.5	2	5	50	100	400	25	Avg	%RSD
1) Tert butyl alcohol-d9 ----------ISTD----------									
2) tertiary butyl alcohol	1.079	1.366	1.326	1.299	1.287	1.319		1.279	7.95
3) Ethanol	0.134	0.143	0.178	0.169	0.164	0.178		0.161	11.46
4) I pentafluorobenzene ----------ISTD----------									
5) dichlorodifluoromethane	0.505	0.571	0.607	0.539	0.480	0.541		0.541	8.38
6) chloromethane	0.416	0.474	0.423	0.356	0.270	0.407		0.391	17.89
---- Linear regression ---- Coefficient = 0.9918									
Response Ratio = 0.08132 + 0.26449 *A									
7) vinyl chloride	0.237	0.276	0.296	0.268	0.232	0.273		0.264	9.35
8) bromomethane	0.394	0.432	0.401	0.361	0.318	0.390		0.383	10.19
9) chloroethane	0.213	0.238	0.250	0.224	0.205	0.239		0.228	7.60
10) dichlorofluoromethane	0.649	0.758	0.760	0.678	0.591	0.716		0.692	9.56
11) ethyl ether	0.243	0.267	0.295	0.275	0.262	0.284		0.271	6.76
12) acetonitrile		0.066	0.056	0.052	0.048	0.063		0.057	13.49
13) trichlorofluoromethane	0.723	0.871	0.856	0.783	0.675	0.796		0.784	9.61
14) freon-113	0.393	0.498	0.472	0.424	0.376	0.451		0.436	10.72
15) acrolein	0.013	0.015	0.018	0.018	0.019	0.017		0.017	12.88
16) 1,1-dichloroethene	0.442	0.476	0.455	0.408	0.362	0.427		0.428	9.28
17) acetone	0.075	0.080	0.076	0.070	0.065	0.076		0.073	7.39
18) Methyl Acetate	0.320	0.356	0.353	0.323	0.295	0.349		0.332	7.22
19) methylene chloride	0.449	0.515	0.506	0.451	0.407	0.494		0.470	8.86
20) methyl tert butyl ether	0.852	0.955	1.046	0.980	0.942	1.001		0.963	6.78
21) acrylonitrile		0.083	0.095	0.091	0.086	0.091		0.089	5.52

Initial Calibration Summary

Job Number: MC23272 **Sample:** MSK2374-ICC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72940.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

22) allyl chloride
0.490 0.582 0.607 0.547 0.495 0.567 0.548 8.66
23) trans-1,2-dichloroethene
0.519 0.554 0.541 0.490 0.453 0.508 0.511 7.08
24) iodomethane
0.748 0.883 0.951 0.862 0.806 0.888 0.856 8.27
25) carbon disulfide
1.046 1.265 1.329 1.197 1.105 1.169 1.185 8.70
26) propionitrile
0.028 0.036 0.034 0.034 0.035 0.033 9.37
27) vinyl acetate
0.483 0.617 0.703 0.686 0.669 0.677 0.639 12.81
28) chloroprene
0.427 0.512 0.565 0.534 0.477 0.525 0.507 9.55
29) di-isopropyl ether
1.068 1.314 1.334 1.192 1.058 1.317 1.214 10.49
30) methacrylonitrile
0.167 0.207 0.204 0.204 0.202 0.210 0.199 8.03
31) 2-butanone
0.034 0.038 0.035 0.033 0.038 0.036 6.39
32) Hexane
0.588 0.643 0.598 0.531 0.440 0.594 0.566 12.56
33) 1,1-dichloroethane
0.591 0.693 0.704 0.633 0.573 0.681 0.646 8.58
34) tert-butyl ethyl ether
0.861 1.019 1.116 1.030 0.974 1.095 1.016 9.05
35) isobutyl alcohol
0.030 0.038 0.034 0.031 0.030 0.035 0.033 9.99
36) 2,2-dichloropropane
0.444 0.530 0.501 0.443 0.396 0.480 0.466 10.32
37) cis-1,2-dichloroethene
0.601 0.600 0.599 0.542 0.501 0.583 0.571 7.19
38) ethyl acetate
0.139 0.190 0.180 0.153 0.147 0.175 0.164 12.50
39) bromochloromethane
0.253 0.294 0.301 0.277 0.267 0.289 0.280 6.47
40) chloroform
0.657 0.813 0.826 0.741 0.659 0.807 0.750 10.33
41) dibromofluoromethane (s)
0.529 0.569 0.555 0.516 0.483 0.458 0.513 0.518 7.48
42) Tetrahydrofuran
0.074 0.082 0.079 0.076 0.079 0.075 0.078 3.92
43) 1,1,1-trichloroethane
0.612 0.714 0.742 0.683 0.618 0.679 0.675 7.63
44) n-Butyl Alcohol
0.019 0.024 0.025 0.023 0.020 0.023 0.023 9.63

45) I 1,4-difluorobenzene ----------ISTD----------
46) Cyclohexane
0.329 0.409 0.436 0.403 0.374 0.397 0.391 9.35
47) carbon tetrachloride
0.366 0.434 0.449 0.420 0.391 0.415 0.413 7.29
48) 1,1-dichloropropene
0.338 0.415 0.429 0.411 0.376 0.405 0.396 8.37
49) benzene
1.396 1.132 1.334 1.283 1.185 1.071 1.270 1.239 9.27
50) 1,2-dichloroethane
0.309 0.371 0.381 0.368 0.360 0.369 0.360 7.14
51) tert-amyl methyl ether
0.524 0.782 0.745 0.715 0.713 0.721 0.700 12.88

Initial Calibration Summary

Job Number: MC23272 **Sample:** MSK2374-ICC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72940.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

52)	heptane								
		0.292	0.328	0.362	0.346	0.323	0.328	0.330	7.13
53)	2-Nitropropane								
		0.328	0.362	0.346	0.323	0.328		0.337	4.83
54)	trichloroethene								
	0.391	0.349	0.391	0.394	0.369	0.341	0.378	0.373	5.68
55)	1,2-dichloropropane								
		0.258	0.312	0.318	0.295	0.272	0.306	0.293	8.06
56)	dibromomethane								
		0.150	0.178	0.188	0.181	0.176	0.186	0.177	7.82
57)	bromodichloromethane								
		0.356	0.409	0.444	0.425	0.420	0.427	0.413	7.34
58)	Methylcyclohexane								
		0.372	0.465	0.517	0.498	0.473	0.476	0.467	10.75
59)	2-chloroethyl vinyl ether								
		0.119	0.153	0.156	0.166	0.143		0.147	12.09
60)	methyl methacrylate								
		0.117	0.142	0.146	0.155	0.128		0.138	10.69
61)	1,4-dioxane								
			0.002	0.002	0.002	0.002		0.002	5.96
62)	cis-1,3-dichloropropene								
		0.404	0.483	0.546	0.523	0.509	0.524	0.498	10.11
63)	toluene-d8 (s)								
	1.207	1.425	1.313	1.280	1.195	1.101	1.254	1.254	8.16
64)	4-methyl-2-pentanone								
		0.123	0.150	0.181	0.180	0.186	0.171	0.165	14.66
65)	toluene								
		0.719	0.875	0.905	0.840	0.776	0.881	0.833	8.57
66)	trans-1,3-dichloropropene								
		0.313	0.380	0.447	0.436	0.440	0.417	0.405	12.69
67)	1,1,2-trichloroethane								
		0.209	0.228	0.246	0.234	0.231	0.236	0.231	5.33
68)	ethyl methacrylate								
			0.209	0.270	0.271	0.278	0.254	0.257	10.86
69)	I chlorobenzene-d5	----------	ISTD	----------					
70)	tetrachloroethene								
	0.888	0.937	1.087	1.074	0.992	0.786	1.022	0.969	11.10
71)	1,3-dichloropropane								
		0.886	1.044	1.012	0.931	0.783	1.023	0.947	10.59
72)	dibromochloromethane								
		0.658	0.822	0.941	0.928	0.831	0.893	0.846	12.29
73)	1,2-dibromoethane								
		0.626	0.728	0.783	0.761	0.660	0.763	0.720	8.80
74)	2-hexanone								
		0.212	0.248	0.288	0.294	0.265	0.279	0.264	11.47
75)	chlorobenzene								
		2.654	2.928	2.841	2.570	2.073	2.819	2.647	11.72
76)	1-chlorohexane								
		0.810	1.007	1.204	1.116	0.892	1.105	1.022	14.58
77)	1,1,1,2-tetrachloroethane								
		0.850	1.006	1.032	0.926	0.754	0.989	0.926	11.55
78)	ethylbenzene								
		3.377	3.970	4.151	3.760	2.911	4.015	3.697	12.71
79)	m,p-xylene								
		1.436	1.690	1.760	1.605	1.227	1.734	1.575	13.14
80)	o-xylene								
		1.377	1.638	1.752	1.579	1.268	1.737	1.558	12.63
81)	styrene								
			2.239	2.850	2.652	2.159	2.664	2.513	11.87

Initial Calibration Summary

Job Number: MC23272 **Sample:** MSK2374-ICC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72940.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
 82)  bromoform
                0.339 0.380 0.462 0.469 0.463 0.424              0.423   12.54
 83)  cis-1,4-dichloro-2-butene
                0.107 0.129 0.186 0.195 0.185 0.163              0.161   22.11
            ---- Linear regression ----  Coefficient =  0.9996
              Response Ratio = -0.00116 + 0.18587 *A

 84)  trans-1,4-dichloro-2-butene
                      0.092 0.121 0.119 0.110 0.112              0.111   10.49

 85) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
 86)  isopropylbenzene
                2.747 3.371 3.744 3.488 3.146 3.571              3.345   10.60
 87)  bromofluorobenzene (s)
           1.055 1.008 0.988 0.942 0.889 0.869 0.938              0.956    6.92
 88)  bromobenzene
                0.849 1.036 1.076 1.033 1.014 1.052              1.010    8.07
 89)  1,1,2,2-tetrachloroethane
                0.496 0.591 0.578 0.552 0.531 0.572              0.553    6.32
 90)  1,2,3-trichloropropane
                0.449 0.531 0.580 0.575 0.594 0.559              0.548    9.65
 91)  n-propylbenzene
                2.995 3.692 4.084 3.782 3.393 3.874              3.637   10.67
 92)  2-chlorotoluene
                1.960 2.373 2.512 2.321 2.146 2.427              2.290    8.86
 93)  4-chlorotoluene
                1.970 2.422 2.523 2.363 2.182 2.470              2.322    8.99
 94)  1,3,5-trimethylbenzene
                2.249 2.787 3.016 2.796 2.558 2.886              2.715   10.07
 95)  tert-butylbenzene
                1.197 1.454 1.622 1.494 1.314 1.521              1.434   10.68
 96)  1,2,4-trimethylbenzene
                2.312 2.796 3.053 2.853 2.605 2.929              2.758    9.58
 97)  sec-butylbenzene
                2.816 3.571 3.825 3.556 3.183 3.623              3.429   10.64
 98)  1,3-dichlorobenzene
                1.727 1.961 2.060 1.936 1.830 2.020              1.922    6.44
 99)  p-isopropyltoluene
                2.407 2.826 2.937 2.763 2.495 2.794              2.704    7.63
100)  1,4-dichlorobenzene
                1.660 1.953 1.949 1.845 1.692 1.918              1.836    7.10
101)  1,2-dichlorobenzene
                1.500 1.741 1.906 1.826 1.737 1.846              1.759    8.11
102)  n-butylbenzene
                1.994 2.428 2.680 2.468 2.192 2.543              2.384   10.46
103)  1,2-dibromo-3-chloropropane
                0.084 0.072 0.073 0.075 0.083 0.068              0.076    8.47
104)  1,3,5-trichlorobenzene
                0.930 1.118 1.222 1.141 1.096 1.137              1.107    8.73
105)  1,2,4-trichlorobenzene
                0.799 0.959 1.058 1.004 1.004 0.970              0.966    9.21
106)  hexachlorobutadiene
                0.583 0.588 0.592 0.538 0.493 0.560              0.559    6.84
107)  naphthalene
                1.230 1.438 1.674 1.618 1.699 1.503              1.527   11.59
108)  1,2,3-trichlorobenzene
                0.601 0.651 0.736 0.699 0.728 0.674              0.681    7.47
109)  2-methylnaphthalene
                      0.387 0.407 0.409 0.462 0.351              0.403   10.01
110)  1-methylnaphthalene
```

Initial Calibration Summary

Job Number: MC23272 **Sample:** MSK2374-ICC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72940.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
                                0.916 0.895 0.937 0.864               0.903    3.44
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           K130807S.m        Thu Aug 08 09:28:24 2013
```

Initial Calibration Verification

Job Number: MC23272 **Sample:** MSK2374-ICV2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72946.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\130807\k72946.D Vial: 42
Acq On : 8 Aug 2013 3:02 am Operator: GaryK
Sample : icv2374-50 Inst : MSK
Misc : ms29614,msk2374,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\K130807S.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 08 09:20:43 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		Tert butyl alcohol-d9	1.000	1.000	0.0	101	0.00	6.43
2		tertiary butyl alcohol	1.279	1.388	-8.5	106	0.00	6.51
3	T	Ethanol	0.161	0.137	14.9	78	0.01	5.37
4	I	pentafluorobenzene	1.000	1.000	0.0	101	0.00	8.84
5	M	dichlorodifluoromethane	0.541	0.606	-12.0	101	0.00	4.25
		----------	Amount	Calc.	%Drift	----------		
6	P	chloromethane	50.000	74.484	-49.0#	113	0.00	4.46
		----------	AvgRF	CCRF	%Dev	----------		
7	c	vinyl chloride	0.264	0.248	6.1	85	0.00	4.70
8	M	bromomethane	0.383	0.440	-14.9	111	0.00	5.18
9	M	chloroethane	0.228	0.267	-17.1	108	0.00	5.34
10	m	dichlorofluoromethane	0.692	0.825	-19.2	110	0.00	5.38
11	M	ethyl ether	0.271	0.293	-8.1	100	0.00	6.19
12	M	acetonitrile	0.057	0.059	-3.5	106	0.00	6.51
13	M	trichlorofluoromethane	0.784	0.854	-8.9	101	0.00	5.97
14	M	freon-113	0.436	0.514	-17.9	110	0.00	6.73
15	M	acrolein	0.017	0.002	88.2#	13#	0.02	5.95
16	c	1,1-dichloroethene	0.428	0.497	-16.1	110	0.00	6.55
17	M	acetone	0.073	0.079	-8.2	105	0.00	6.05
18	M	Methyl Acetate	0.332	0.271	18.4	78	0.00	6.68
19	M	methylene chloride	0.470	0.510	-8.5	102	0.00	6.68
20	M	methyl tert butyl ether	0.963	1.020	-5.9	98	0.00	7.45
21	M	acrylonitrile	0.089	0.095	-6.7	100	0.00	6.56
22	M	allyl chloride	0.548	0.618	-12.8	103	0.00	6.77
23	M	trans-1,2-dichloroethene	0.511	0.552	-8.0	103	0.00	7.35
24	M	iodomethane	0.856	0.997	-16.5	106	0.00	6.59
25	M	carbon disulfide	1.185	1.410	-19.0	107	0.00	6.96
26	M	propionitrile	0.033	0.033	0.0	94	0.00	7.57
27	M	vinyl acetate	0.639	0.508	20.5#	73	0.00	7.66
28	M	chloroprene	0.507	0.638	-25.8#	114	0.00	7.96
29	M	di-isopropyl ether	1.214	1.281	-5.5	97	0.00	8.01
30	M	methacrylonitrile	0.199	0.199	0.0	98	0.00	8.08
31	M	2-butanone	0.036	0.036	0.0	96	0.00	7.98
32	M	Hexane	0.566	0.610	-7.8	103	0.00	7.99
33	P	1,1-dichloroethane	0.646	0.773	-19.7	111	0.00	7.60
34	M	tert-butyl ethyl ether	1.016	1.132	-11.4	102	0.00	8.40
35	M	isobutyl alcohol	0.033	0.037	-12.1	110	0.00	8.41
36	M	2,2-dichloropropane	0.466	0.512	-9.9	103	0.00	8.46
37	M	cis-1,2-dichloroethene	0.571	0.601	-5.3	101	0.00	8.17

Initial Calibration Verification

Job Number: MC23272 **Sample:** MSK2374-ICV2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72946.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

38	M	ethyl acetate	0.164	0.187	-14.0	105	0.00	8.41
39	M	bromochloromethane	0.280	0.331	-18.2	111	0.00	8.32
40	c	chloroform	0.750	0.891	-18.8	109	0.00	8.36
41	S	dibromofluoromethane (s)	0.518	0.524	-1.2	103	0.00	8.47
42	M	Tetrahydrofuran	0.078	0.077	1.3	98	0.00	8.68
43	M	1,1,1-trichloroethane	0.675	0.824	-22.1#	112	0.00	9.13
44		n-Butyl Alcohol	0.023	0.026	-13.0	105	0.00	9.43
45	I	1,4-difluorobenzene	1.000	1.000	0.0	100	0.00	9.69
46	M	Cyclohexane	0.391	0.456	-16.6	105	0.00	9.43
47	M	carbon tetrachloride	0.413	0.505	-22.3#	113	0.00	9.48
48	M	1,1-dichloropropene	0.396	0.455	-14.9	107	0.00	9.29
49	M	benzene	1.239	1.316	-6.2	103	0.00	9.49
50	M	1,2-dichloroethane	0.360	0.382	-6.1	101	0.00	8.99
51	M	tert-amyl methyl ether	0.700	0.761	-8.7	103	0.00	9.64
52	M	heptane	0.330	0.367	-11.2	102	0.00	10.00
53		2-Nitropropane	0.337	0.367	-8.9	102	0.00	10.00
54	M	trichloroethene	0.373	0.398	-6.7	102	0.00	10.12
55	c	1,2-dichloropropane	0.293	0.316	-7.8	100	0.00	10.08
56	M	dibromomethane	0.177	0.211	-19.2	112	0.00	10.05
57	M	bromodichloromethane	0.413	0.452	-9.4	102	0.00	10.16
58	M	Methylcyclohexane	0.467	0.530	-13.5	103	0.00	10.66
59	M	2-chloroethyl vinyl ether	0.147	0.092	37.4#	61	0.00	10.53
60	M	methyl methacrylate	0.138	0.145	-5.1	102	0.00	10.25
61	M	1,4-dioxane	0.002	0.002	0.0	99	0.00	10.25
62	M	cis-1,3-dichloropropene	0.498	0.522	-4.8	96	0.00	10.79
63	S	toluene-d8 (s)	1.254	1.316	-4.9	103	0.00	11.48
64	M	4-methyl-2-pentanone	0.165	0.182	-10.3	101	0.00	10.87
65	c	toluene	0.833	0.935	-12.2	104	0.00	11.55
66	M	trans-1,3-dichloropropene	0.405	0.451	-11.4	101	0.00	11.20
67	M	1,1,2-trichloroethane	0.231	0.240	-3.9	98	0.00	11.37
68	M	ethyl methacrylate	0.257	0.278	-8.2	103	0.00	11.57
69	I	chlorobenzene-d5	1.000	1.000	0.0	101	0.00	12.94
70	M	tetrachloroethene	0.969	1.229	-26.8#	116	0.00	12.31
71	M	1,3-dichloropropane	0.947	0.990	-4.5	99	0.00	11.61
72	M	dibromochloromethane	0.846	0.966	-14.2	104	0.00	11.89
73	M	1,2-dibromoethane	0.720	0.790	-9.7	102	0.00	12.14
74	M	2-hexanone	0.264	0.291	-10.2	103	0.00	11.72
75	P	chlorobenzene	2.647	2.753	-4.0	98	0.00	12.98
76	m	1-chlorohexane	1.022	1.253	-22.6#	105	0.00	12.87
77	M	1,1,1,2-tetrachloroethane	0.926	1.014	-9.5	100	0.00	12.90
78	c	ethylbenzene	3.697	4.198	-13.6	103	0.00	13.15
79	M	m,p-xylene	1.575	1.762	-11.9	101	0.00	13.33
80	M	o-xylene	1.558	1.701	-9.2	98	0.00	13.74
81	M	styrene	2.513	2.806	-11.7	100	0.00	13.67
82	P	bromoform	0.423	0.511	-20.8#	112	0.00	13.49
		----------	Amount	Calc.	%Drift	----------		
83	m	cis-1,4-dichloro-2-butene	50.000	50.739	-1.5	102	0.00	13.57
		----------	AvgRF	CCRF	%Dev	----------		
84	M	trans-1,4-dichloro-2-bute	0.111	0.120	-8.1	101	0.00	13.89
85	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	98	0.00	15.50
86	M	isopropylbenzene	3.345	3.761	-12.4	99	0.00	14.11
87	S	bromofluorobenzene (s)	0.956	0.966	-1.0	101	0.00	14.16
88	M	bromobenzene	1.010	1.116	-10.5	102	0.00	14.40
89	P	1,1,2,2-tetrachloroethane	0.553	0.583	-5.4	99	0.00	13.75
90	M	1,2,3-trichloropropane	0.548	0.595	-8.6	101	0.00	13.89

Initial Calibration Verification

Job Number: MC23272 **Sample:** MSK2374-ICV2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72946.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

91	M	n-propylbenzene	3.637	4.029	-10.8	97	0.00	14.56
92	M	2-chlorotoluene	2.290	2.447	-6.9	96	0.00	14.68
93	M	4-chlorotoluene	2.322	2.542	-9.5	99	0.00	14.75
94	M	1,3,5-trimethylbenzene	2.715	3.002	-10.6	98	0.00	14.83
95	M	tert-butylbenzene	1.434	1.583	-10.4	96	0.00	15.13
96	M	1,2,4-trimethylbenzene	2.758	3.063	-11.1	99	0.00	15.24
97	M	sec-butylbenzene	3.429	3.772	-10.0	97	0.00	15.36
98	M	1,3-dichlorobenzene	1.922	2.020	-5.1	96	0.00	15.47
99	M	p-isopropyltoluene	2.704	3.151	-16.5	105	0.00	15.53
100	M	1,4-dichlorobenzene	1.836	2.010	-9.5	101	0.00	15.53
101	M	1,2-dichlorobenzene	1.759	1.863	-5.9	96	0.00	15.91
102	M	n-butylbenzene	2.384	2.707	-13.5	99	0.00	15.95
103	M	1,2-dibromo-3-chloropropa	0.076	0.076	0.0	102	0.00	16.37
104		1,3,5-trichlorobenzene	1.107	1.323	-19.5	106	0.00	17.19
105	M	1,2,4-trichlorobenzene	0.966	1.054	-9.1	98	0.00	17.73
106	M	hexachlorobutadiene	0.559	0.634	-13.4	105	0.00	18.03
107	M	naphthalene	1.527	1.628	-6.6	96	0.00	17.98
108	M	1,2,3-trichlorobenzene	0.681	0.734	-7.8	98	0.00	18.20
109		2-methylnaphthalene	0.403	0.386	4.2	93	-0.24	19.32
110		1-methylnaphthalene	0.903	2.002	-121.7#	215#	-0.25	19.56

(#) = Out of Range SPCC's out = 0 CCC's out = 0
k72940.D K130807S.m Thu Aug 08 09:27:51 2013

Continuing Calibration Summary

Job Number: MC23272 **Sample:** MSK2375-CC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72949.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\130808\k72949.D Vial: 2
Acq On : 8 Aug 2013 8:58 am Operator: GaryK
Sample : cc2374-50 Inst : MSK
Misc : ms29620,msk2375,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\K130807S.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 08 09:20:43 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		Tert butyl alcohol-d9	1.000	1.000	0.0	87	0.00	6.42
2		tertiary butyl alcohol	1.279	1.367	-6.9	89	0.00	6.51
3	T	Ethanol	0.161	0.164	-1.9	80	0.00	5.36
4	I	pentafluorobenzene	1.000	1.000	0.0	104	0.00	8.84
5	M	dichlorodifluoromethane	0.541	0.619	-14.4	106	-0.01	4.23
		----------	Amount	Calc.	%Drift	----------		
6	P	chloromethane	50.000	67.074	-34.1#	107	0.00	4.44
		----------	AvgRF	CCRF	%Dev	----------		
7	c	vinyl chloride	0.264	0.311	-17.8	109	-0.01	4.68
8	M	bromomethane	0.383	0.395	-3.1	102	0.00	5.17
9	M	chloroethane	0.228	0.256	-12.3	106	0.00	5.33
10	m	dichlorofluoromethane	0.692	0.759	-9.7	104	0.00	5.37
11	M	ethyl ether	0.271	0.267	1.5	94	0.00	6.17
12	M	acetonitrile	0.057	0.047	17.5	87	0.00	6.51
13	M	trichlorofluoromethane	0.784	0.842	-7.4	102	0.00	5.96
14	M	freon-113	0.436	0.476	-9.2	105	0.00	6.73
15	M	acrolein	0.017	0.017	0.0	97	0.00	5.92
16	c	1,1-dichloroethene	0.428	0.456	-6.5	104	0.00	6.54
17	M	acetone	0.073	0.063	13.7	86	0.00	6.04
18	M	Methyl Acetate	0.332	0.302	9.0	89	0.00	6.67
19	M	methylene chloride	0.470	0.493	-4.9	101	0.00	6.67
20	M	methyl tert butyl ether	0.963	0.942	2.2	93	0.00	7.45
21	M	acrylonitrile	0.089	0.086	3.4	94	0.00	6.54
22	M	allyl chloride	0.548	0.598	-9.1	102	0.00	6.76
23	M	trans-1,2-dichloroethene	0.511	0.541	-5.9	104	0.00	7.35
24	M	iodomethane	0.856	0.983	-14.8	107	0.00	6.59
25	M	carbon disulfide	1.185	1.322	-11.6	103	0.00	6.95
26	M	propionitrile	0.033	0.031	6.1	89	0.00	7.56
27	M	vinyl acetate	0.639	0.652	-2.0	96	0.00	7.66
28	M	chloroprene	0.507	0.546	-7.7	100	0.00	7.95
29	M	di-isopropyl ether	1.214	1.261	-3.9	98	0.00	8.00
30	M	methacrylonitrile	0.199	0.180	9.5	91	0.00	8.08
31	M	2-butanone	0.036	0.030	16.7	84	0.00	7.98
32	M	Hexane	0.566	0.611	-8.0	106	0.00	7.99
33	P	1,1-dichloroethane	0.646	0.669	-3.6	99	0.00	7.59
34	M	tert-butyl ethyl ether	1.016	1.040	-2.4	97	0.00	8.39
35	M	isobutyl alcohol	0.033	0.033	0.0	99	0.00	8.40
36	M	2,2-dichloropropane	0.466	0.577	-23.8#	119	0.00	8.45
37	M	cis-1,2-dichloroethene	0.571	0.563	1.4	97	0.00	8.16

Continuing Calibration Summary

Job Number: MC23272 **Sample:** MSK2375-CC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72949.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

38	M	ethyl acetate	0.164	0.164	0.0	94	0.00	8.40
39	M	bromochloromethane	0.280	0.283	-1.1	98	0.00	8.31
40	c	chloroform	0.750	0.787	-4.9	99	0.00	8.35
41	S	dibromofluoromethane (s)	0.518	0.487	6.0	98	0.00	8.46
42	M	Tetrahydrofuran	0.078	0.066	15.4	87	0.00	8.67
43	M	1,1,1-trichloroethane	0.675	0.734	-8.7	103	0.00	9.12
44		n-Butyl Alcohol	0.023	0.025	-8.7	102	0.00	9.42
45	I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	9.68
46	M	Cyclohexane	0.391	0.435	-11.3	102	0.00	9.42
47	M	carbon tetrachloride	0.413	0.450	-9.0	102	0.00	9.48
48	M	1,1-dichloropropene	0.396	0.428	-8.1	102	0.00	9.28
49	M	benzene	1.239	1.238	0.1	99	0.00	9.48
50	M	1,2-dichloroethane	0.360	0.353	1.9	95	0.00	8.99
51	M	tert-amyl methyl ether	0.700	0.700	0.0	96	0.00	9.63
52	M	heptane	0.330	0.398	-20.6#	113	0.00	10.00
53		2-Nitropropane	0.337	0.398	-18.1	113	0.00	10.00
54	M	trichloroethene	0.373	0.385	-3.2	100	0.00	10.12
55	c	1,2-dichloropropane	0.293	0.301	-2.7	97	0.00	10.07
56	M	dibromomethane	0.177	0.174	1.7	94	0.00	10.05
57	M	bromodichloromethane	0.413	0.423	-2.4	98	0.00	10.16
58	M	Methylcyclohexane	0.467	0.529	-13.3	105	0.00	10.66
59	M	2-chloroethyl vinyl ether	0.147	0.138	6.1	93	0.00	10.53
60	M	methyl methacrylate	0.138	0.125	9.4	90	0.00	10.25
61	M	1,4-dioxane	0.002	0.002	0.0	88	0.00	10.25
62	M	cis-1,3-dichloropropene	0.498	0.533	-7.0	100	0.00	10.78
63	S	toluene-d8 (s)	1.254	1.223	2.5	98	0.00	11.48
64	M	4-methyl-2-pentanone	0.165	0.159	3.6	90	0.00	10.86
65	c	toluene	0.833	0.883	-6.0	100	0.00	11.55
66	M	trans-1,3-dichloropropene	0.405	0.432	-6.7	99	0.00	11.19
67	M	1,1,2-trichloroethane	0.231	0.226	2.2	94	0.00	11.37
68	M	ethyl methacrylate	0.257	0.242	5.8	91	0.00	11.57
69	I	chlorobenzene-d5	1.000	1.000	0.0	103	0.00	12.94
70	M	tetrachloroethene	0.969	1.058	-9.2	102	0.00	12.31
71	M	1,3-dichloropropane	0.947	0.924	2.4	94	0.00	11.60
72	M	dibromochloromethane	0.846	0.872	-3.1	96	0.00	11.89
73	M	1,2-dibromoethane	0.720	0.709	1.5	93	0.00	12.13
74	M	2-hexanone	0.264	0.229	13.3	82	0.00	11.72
75	P	chlorobenzene	2.647	2.712	-2.5	98	0.00	12.98
76	m	1-chlorohexane	1.022	1.188	-16.2	102	0.00	12.87
77	M	1,1,1,2-tetrachloroethane	0.926	0.984	-6.3	98	0.00	12.90
78	c	ethylbenzene	3.697	4.024	-8.8	100	0.00	13.15
79	M	m,p-xylene	1.575	1.723	-9.4	101	0.00	13.33
80	M	o-xylene	1.558	1.711	-9.8	101	0.00	13.74
81	M	styrene	2.513	2.709	-7.8	98	0.00	13.66
82	P	bromoform	0.423	0.424	-0.2	95	0.00	13.49
		----------	Amount	Calc.	%Drift		----------	
83	m	cis-1,4-dichloro-2-butene	50.000	51.900	-3.8	106	0.00	13.57
		----------	AvgRF	CCRF	%Dev		----------	
84	M	trans-1,4-dichloro-2-bute	0.111	0.122	-9.9	104	0.00	13.89
85	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	15.50
86	M	isopropylbenzene	3.345	3.675	-9.9	102	0.00	14.11
87	S	bromofluorobenzene (s)	0.956	0.878	8.2	96	0.00	14.16
88	M	bromobenzene	1.010	1.015	-0.5	98	0.00	14.39
89	P	1,1,2,2-tetrachloroethane	0.553	0.515	6.9	92	0.00	13.75
90	M	1,2,3-trichloropropane	0.548	0.532	2.9	95	0.00	13.89

Continuing Calibration Summary

Job Number: MC23272 **Sample:** MSK2375-CC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72949.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

91	M	n-propylbenzene	3.637	3.977	-9.3	101	0.00	14.55
92	M	2-chlorotoluene	2.290	2.407	-5.1	99	0.00	14.68
93	M	4-chlorotoluene	2.322	2.403	-3.5	99	0.00	14.75
94	M	1,3,5-trimethylbenzene	2.715	2.942	-8.4	101	0.00	14.83
95	M	tert-butylbenzene	1.434	1.549	-8.0	99	0.00	15.13
96	M	1,2,4-trimethylbenzene	2.758	2.974	-7.8	101	0.00	15.24
97	M	sec-butylbenzene	3.429	3.773	-10.0	102	0.00	15.36
98	M	1,3-dichlorobenzene	1.922	1.978	-2.9	99	0.00	15.47
99	M	p-isopropyltoluene	2.704	2.926	-8.2	103	0.00	15.53
100	M	1,4-dichlorobenzene	1.836	1.873	-2.0	99	0.00	15.53
101	M	1,2-dichlorobenzene	1.759	1.812	-3.0	98	0.00	15.91
102	M	n-butylbenzene	2.384	2.660	-11.6	103	0.00	15.95
103	M	1,2-dibromo-3-chloropropa	0.076	0.065	14.5	92	0.00	16.37
104		1,3,5-trichlorobenzene	1.107	1.181	-6.7	100	0.00	17.19
105	M	1,2,4-trichlorobenzene	0.966	0.969	-0.3	95	0.00	17.73
106	M	hexachlorobutadiene	0.559	0.601	-7.5	105	0.00	18.03
107	M	naphthalene	1.527	1.405	8.0	87	0.00	17.98
108	M	1,2,3-trichlorobenzene	0.681	0.643	5.6	90	0.00	18.20
109		2-methylnaphthalene	0.403	0.286	29.0#	73	-0.24	19.32
110		1-methylnaphthalene	0.903	0.639	29.2#	72	-0.24	19.56

(#) = Out of Range SPCC's out = 0 CCC's out = 0
k72940.D K130807S.m Thu Aug 08 10:16:18 2013

Continuing Calibration Summary

Job Number: MC23272 **Sample:** MSK2376-CC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72987.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\130809\k72987.D Vial: 2
Acq On : 9 Aug 2013 9:45 am Operator: GaryK
Sample : cc2374-50 Inst : MSK
Misc : ms29626,msk2376,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\K130807S.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 08 09:20:43 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		Tert butyl alcohol-d9	1.000	1.000	0.0	86	0.00	6.43
2		tertiary butyl alcohol	1.279	1.341	-4.8	87	0.00	6.51
3	T	Ethanol	0.161	0.161	0.0	78	0.00	5.37
4	I	pentafluorobenzene	1.000	1.000	0.0	107	0.00	8.84
5	M	dichlorodifluoromethane	0.541	0.573	-5.9	101	0.00	4.25
		----------	Amount	Calc.	%Drift	----------		
6	P	chloromethane	50.000	59.545	-19.1	100	0.01	4.46
		----------	AvgRF	CCRF	%Dev	----------		
7	c	vinyl chloride	0.264	0.293	-11.0	106	0.00	4.69
8	M	bromomethane	0.383	0.374	2.3	100	0.01	5.18
9	M	chloroethane	0.228	0.244	-7.0	104	0.01	5.34
10	m	dichlorofluoromethane	0.692	0.715	-3.3	101	0.00	5.39
11	M	ethyl ether	0.271	0.261	3.7	95	0.00	6.18
12	M	acetonitrile	0.057	0.048	15.8	91	0.00	6.51
13	M	trichlorofluoromethane	0.784	0.820	-4.6	103	0.00	5.97
14	M	freon-113	0.436	0.467	-7.1	106	0.00	6.73
15	M	acrolein	0.017	0.017	0.0	101	0.00	5.93
16	c	1,1-dichloroethene	0.428	0.433	-1.2	102	0.00	6.54
17	M	acetone	0.073	0.061	16.4	86	0.00	6.06
18	M	Methyl Acetate	0.332	0.289	13.0	88	0.00	6.67
19	M	methylene chloride	0.470	0.477	-1.5	101	0.00	6.69
20	M	methyl tert butyl ether	0.963	0.932	3.2	95	0.00	7.45
21	M	acrylonitrile	0.089	0.082	7.9	92	0.00	6.55
22	M	allyl chloride	0.548	0.590	-7.7	104	0.00	6.77
23	M	trans-1,2-dichloroethene	0.511	0.525	-2.7	104	0.00	7.35
24	M	iodomethane	0.856	0.932	-8.9	105	0.00	6.60
25	M	carbon disulfide	1.185	1.271	-7.3	102	0.00	6.96
26	M	propionitrile	0.033	0.032	3.0	95	0.00	7.57
27	M	vinyl acetate	0.639	0.650	-1.7	99	0.00	7.66
28	M	chloroprene	0.507	0.556	-9.7	105	0.00	7.96
29	M	di-isopropyl ether	1.214	1.233	-1.6	99	0.00	8.01
30	M	methacrylonitrile	0.199	0.169	15.1	89	0.00	8.09
31	M	2-butanone	0.036	0.031	13.9	88	0.00	7.98
32	M	Hexane	0.566	0.596	-5.3	107	0.00	7.99
33	P	1,1-dichloroethane	0.646	0.666	-3.1	101	0.00	7.60
34	M	tert-butyl ethyl ether	1.016	1.021	-0.5	98	0.00	8.40
35	M	isobutyl alcohol	0.033	0.031	6.1	98	0.00	8.40
36	M	2,2-dichloropropane	0.466	0.558	-19.7	119	0.00	8.46
37	M	cis-1,2-dichloroethene	0.571	0.582	-1.9	104	0.00	8.17

Continuing Calibration Summary

Job Number: MC23272 **Sample:** MSK2376-CC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72987.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

38	M	ethyl acetate	0.164	0.156	4.9	93	0.00	8.40
39	M	bromochloromethane	0.280	0.283	-1.1	101	0.00	8.32
40	c	chloroform	0.750	0.778	-3.7	101	0.00	8.36
41	S	dibromofluoromethane (s)	0.518	0.496	4.2	103	0.00	8.47
42	M	Tetrahydrofuran	0.078	0.065	16.7	88	0.00	8.68
43	M	1,1,1-trichloroethane	0.675	0.720	-6.7	104	0.00	9.13
44		n-Butyl Alcohol	0.023	0.025	-8.7	104	0.00	9.42
45	I	1,4-difluorobenzene	1.000	1.000	0.0	106	0.00	9.69
46	M	Cyclohexane	0.391	0.429	-9.7	104	0.00	9.42
47	M	carbon tetrachloride	0.413	0.436	-5.6	103	0.00	9.48
48	M	1,1-dichloropropene	0.396	0.429	-8.3	106	0.00	9.29
49	M	benzene	1.239	1.247	-0.6	103	0.00	9.49
50	M	1,2-dichloroethane	0.360	0.352	2.2	98	0.00	8.99
51	M	tert-amyl methyl ether	0.700	0.692	1.1	98	0.00	9.64
52	M	heptane	0.330	0.399	-20.9#	117	0.00	10.00
53		2-Nitropropane	0.337	0.399	-18.4	117	0.00	10.00
54	M	trichloroethene	0.373	0.384	-2.9	103	0.00	10.12
55	c	1,2-dichloropropane	0.293	0.303	-3.4	101	0.00	10.08
56	M	dibromomethane	0.177	0.173	2.3	97	0.00	10.05
57	M	bromodichloromethane	0.413	0.419	-1.5	100	0.00	10.16
58	M	Methylcyclohexane	0.467	0.508	-8.8	104	0.00	10.66
59	M	2-chloroethyl vinyl ether	0.147	0.141	4.1	98	0.00	10.53
60	M	methyl methacrylate	0.138	0.127	8.0	95	0.00	10.25
61	M	1,4-dioxane	0.002	0.002	0.0	86	0.00	10.25
62	M	cis-1,3-dichloropropene	0.498	0.538	-8.0	104	0.00	10.79
63	S	toluene-d8 (s)	1.254	1.237	1.4	102	0.00	11.48
64	M	4-methyl-2-pentanone	0.165	0.153	7.3	90	0.00	10.87
65	c	toluene	0.833	0.893	-7.2	104	0.00	11.55
66	M	trans-1,3-dichloropropene	0.405	0.431	-6.4	102	0.00	11.20
67	M	1,1,2-trichloroethane	0.231	0.225	2.6	97	0.00	11.37
68	M	ethyl methacrylate	0.257	0.245	4.7	96	0.00	11.57
69	I	chlorobenzene-d5	1.000	1.000	0.0	106	0.00	12.94
70	M	tetrachloroethene	0.969	1.088	-12.3	107	0.00	12.31
71	M	1,3-dichloropropane	0.947	0.931	1.7	97	0.00	11.61
72	M	dibromochloromethane	0.846	0.889	-5.1	100	0.00	11.89
73	M	1,2-dibromoethane	0.720	0.723	-0.4	98	0.00	12.14
74	M	2-hexanone	0.264	0.231	12.5	85	0.00	11.72
75	P	chlorobenzene	2.647	2.796	-5.6	104	0.00	12.98
76	m	1-chlorohexane	1.022	1.212	-18.6	107	0.00	12.87
77	M	1,1,1,2-tetrachloroethane	0.926	0.977	-5.5	100	0.00	12.90
78	c	ethylbenzene	3.697	4.070	-10.1	104	0.00	13.15
79	M	m,p-xylene	1.575	1.751	-11.2	105	0.00	13.33
80	M	o-xylene	1.558	1.713	-9.9	103	0.00	13.74
81	M	styrene	2.513	2.758	-9.7	102	0.00	13.67
82	P	bromoform	0.423	0.430	-1.7	98	0.00	13.49
		----------	Amount	Calc.	%Drift		----------	
83	m	cis-1,4-dichloro-2-butene	50.000	54.529	-9.1	115	0.00	13.57
		----------	AvgRF	CCRF	%Dev		----------	
84	M	trans-1,4-dichloro-2-bute	0.111	0.132	-18.9	116	0.00	13.89
85	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	15.50
86	M	isopropylbenzene	3.345	3.696	-10.5	103	0.00	14.11
87	S	bromofluorobenzene (s)	0.956	0.914	4.4	102	0.00	14.16
88	M	bromobenzene	1.010	1.057	-4.7	103	0.00	14.40
89	P	1,1,2,2-tetrachloroethane	0.553	0.513	7.2	93	0.00	13.75
90	M	1,2,3-trichloropropane	0.548	0.549	-0.2	99	0.00	13.89

Continuing Calibration Summary

Job Number: MC23272 **Sample:** MSK2376-CC2374
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K72987.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

91	M	n-propylbenzene	3.637	4.015	-10.4	103	0.00	14.56
92	M	2-chlorotoluene	2.290	2.429	-6.1	101	0.00	14.68
93	M	4-chlorotoluene	2.322	2.461	-6.0	102	0.00	14.75
94	M	1,3,5-trimethylbenzene	2.715	2.930	-7.9	102	0.00	14.83
95	M	tert-butylbenzene	1.434	1.570	-9.5	101	0.00	15.13
96	M	1,2,4-trimethylbenzene	2.758	2.984	-8.2	102	0.00	15.24
97	M	sec-butylbenzene	3.429	3.764	-9.8	103	0.00	15.36
98	M	1,3-dichlorobenzene	1.922	2.009	-4.5	102	0.00	15.47
99	M	p-isopropyltoluene	2.704	2.923	-8.1	104	0.00	15.53
100	M	1,4-dichlorobenzene	1.836	1.885	-2.7	101	0.00	15.53
101	M	1,2-dichlorobenzene	1.759	1.827	-3.9	100	0.00	15.91
102	M	n-butylbenzene	2.384	2.649	-11.1	104	0.00	15.95
103	M	1,2-dibromo-3-chloropropa	0.076	0.064	15.8	91	0.00	16.37
104		1,3,5-trichlorobenzene	1.107	1.179	-6.5	101	0.00	17.19
105	M	1,2,4-trichlorobenzene	0.966	0.943	2.4	93	0.00	17.73
106	M	hexachlorobutadiene	0.559	0.591	-5.7	105	0.00	18.03
107	M	naphthalene	1.527	1.352	11.5	85	0.00	17.98
108	M	1,2,3-trichlorobenzene	0.681	0.606	11.0	86	0.00	18.20
109		2-methylnaphthalene	0.403	0.267	33.7#	69	-0.24	19.32
110		1-methylnaphthalene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
k72940.D K130807S.m Fri Aug 09 13:08:42 2013

Initial Calibration Summary

Job Number: MC23272 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report MSP

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Calibration Files
0.5 =p70800.D 400 =p70808.D 2 =p70801.D 5 =p70802.D
50 =p70805.D 20 =p70804.D 200 =p70807.D 100 =p70806.D
= =

Compound	0.5	400	2	5	50	20	200	100	Avg	%RSD
1) tert butyl alcohol-d9 ----------ISTD----------										
2) tertiary butyl alcohol	1.046	1.260	1.114	1.191	1.116	1.103	0.981		1.116	8.14
3) Ethanol	0.135	0.111	0.187	0.161	0.144	0.148	0.135		0.146	16.13
----- Linear regression ----- Coefficient = 0.9977										
Response Ratio = 0.10159 + 0.13602 *A										
4) I pentafluorobenzene ----------ISTD----------										
5) dichlorodifluoromethane	0.391	0.431	0.405	0.437	0.400	0.433	0.373		0.410	5.90
6) chloromethane	0.479	0.475	0.440	0.394	0.380	0.488	0.344		0.429	13.15
7) vinyl chloride	0.477	0.730	0.632	0.571	0.527	0.554	0.497		0.570	15.27
8) bromomethane	0.226	0.187	0.135	0.178	0.132	0.227	0.179		0.181	21.11
----- Linear regression ----- Coefficient = 0.9973										
Response Ratio = -0.03485 + 0.22981 *A										
9) chloroethane	0.215	0.270	0.255	0.227	0.220	0.231	0.201		0.231	10.35
10) ethyl ether	0.291	0.286	0.289	0.308	0.281	0.312	0.253		0.289	6.77
11) acetonitrile	0.050	0.364	0.345	0.209	0.211	0.087	0.138		0.201	60.10
12) trichlorofluoromethane	0.802	0.995	0.949	0.954	0.922	0.887	0.782		0.899	8.92
13) freon-113	0.424	0.449	0.469	0.419	0.406	0.407	0.353		0.418	8.83
14) acrolein	0.027	0.047	0.029	0.028	0.030	0.028	0.022		0.030	26.69
----- Linear regression ----- Coefficient = 0.9969										
Response Ratio = -0.00161 + 0.02672 *A										
15) 1,1-dichloroethene	0.303	0.400	0.318	0.331	0.316	0.320	0.278		0.324	11.69
16) acetone	0.048	0.141	0.076	0.063	0.072	0.054	0.048		0.072	45.37
----- Linear regression ----- Coefficient = 0.9962										
Response Ratio = 0.00798 + 0.04786 *A										
17) Methyl Acetate										

Initial Calibration Summary

Job Number: MC23272 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
                0.513 0.545 0.517 0.470 0.467 0.466 0.365          0.478    12.16
18)  methylene chloride
                0.396 0.616 0.498 0.406 0.397 0.400 0.335          0.435    21.32
             ----- Linear regression -----  Coefficient =  0.9982
               Response Ratio = -0.01128 + 0.39637 *A

19)  methyl tert butyl ether
                0.911 0.858 0.662 0.842 0.801 0.917 0.686          0.811    12.56
20)  acrylonitrile
                0.122 0.147 0.149 0.126 0.126 0.128 0.102          0.129    12.36
21)  allyl chloride
                0.536 0.530 0.577 0.586 0.547 0.477 0.492          0.535     7.52
22)  trans-1,2-dichloroethene
                0.445 0.483 0.445 0.460 0.423 0.466 0.394          0.445     6.63
23)  iodomethane
                0.331 0.192 0.128 0.301 0.245 0.338 0.284          0.260    29.72
             ----- Linear regression -----  Coefficient =  0.9986
               Response Ratio = -0.03173 + 0.33518 *A

24)  carbon disulfide
                1.368 0.951 0.983 0.943 0.791 1.353 0.995          1.055    20.80
             ----- Linear regression -----  Coefficient =  0.9955
               Response Ratio = -0.26545 + 1.39018 *A

25)  propionitrile
                0.067 0.049 0.047 0.068 0.063 0.071 0.053          0.060    16.05
             ----- Linear regression -----  Coefficient =  0.9957
               Response Ratio = -0.00360 + 0.06753 *A

26)  vinyl acetate
                0.750 0.669 0.542 0.689 0.618 0.766 0.565          0.657    13.14
27)  chloroprene
                0.889 0.879 0.870 0.982 0.931 0.980 0.844          0.911     6.02
28)  di-isopropyl ether
                1.619 1.827 1.759 1.870 1.755 1.831 1.549          1.744     6.79
29)  methacrylonitrile
                0.311 0.298 0.239 0.333 0.281 0.341 0.269          0.296    12.19
30)  2-butanone
                0.066 0.036 0.046 0.069 0.053 0.075 0.060          0.058    23.84
             ----- Linear regression -----  Coefficient =  0.9949
               Response Ratio = -0.00115 + 0.06793 *A

31)  Hexane
                0.878 1.150 1.030 1.056 0.990 1.002 0.870          0.997     9.88
32)  1,1-dichloroethane
                0.854 0.972 0.902 0.931 0.894 0.934 0.791          0.897     6.65
33)  tert-butyl ethyl ether
                0.795 0.594 0.494 0.588 0.596 0.768 0.508          0.621    18.96
             ----- Linear regression -----  Coefficient =  0.9926
               Response Ratio = -0.16218 + 0.80351 *A

34)  isobutyl alcohol
                0.302 0.327 0.323 0.357 0.337 0.343 0.292          0.326     7.04
35)  2,2-dichloropropane
                0.763 0.206 0.236 0.507 0.458 0.768 0.517          0.493    45.27
             ----- Linear regression -----  Coefficient =  0.9939
               Response Ratio = -0.16899 + 0.77954 *A

36)  cis-1,2-dichloroethene
                0.499 0.553 0.481 0.521 0.484 0.537 0.448          0.503     7.22
```

Initial Calibration Summary

Job Number: MC23272 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
37)  ethyl acetate
                0.035       0.065 0.037 0.044 0.038 0.030         0.041   29.83
             ----- Linear regression -----  Coefficient =  0.9961
               Response Ratio = 0.00153 + 0.03489 *A

38)  bromochloromethane
                0.166 0.200 0.169 0.199 0.181 0.189 0.160         0.181    8.83
39)  chloroform
                0.926 0.988 0.994 1.030 0.975 1.023 0.868         0.972    5.90
40)  dibromofluoromethane (s)
                0.503 0.456 0.463 0.518 0.475 0.490 0.618         0.503   10.98
41)  Tetrahydrofuran
                0.155 0.187 0.148 0.153 0.133 0.162 0.122         0.152   13.72
42)  1,1,1-trichloroethane
                0.883 0.851 0.830 0.949 0.879 0.962 0.808         0.880    6.57

43) I   1,4-difluorobenzene   ----------------ISTD--------------------
44)  Cyclohexane
                0.671 0.742 0.712 0.743 0.714 0.723 0.623         0.704    6.10
45)  carbon tetrachloride
                0.530 0.476 0.470 0.572 0.517 0.580 0.490         0.519    8.55
46)  1,1-dichloropropene
                0.544 0.589 0.566 0.601 0.573 0.587 0.497         0.565    6.28
47)  benzene
              2.795 1.378 1.739 1.629 1.505 1.463 1.498 1.274     1.660   28.91
             ----- Linear regression -----  Coefficient =  0.9976
               Response Ratio = 0.03587 + 1.39089 *A

48)  1,2-dichloroethane
                0.589 0.672 0.645 0.677 0.630 0.661 0.545         0.631    7.64
49)  tert-amyl methyl ether
                0.409 0.390 0.294 0.309 0.337 0.400 0.267         0.344   16.45
             ----- Linear regression -----  Coefficient =  0.9929
               Response Ratio = -0.07439 + 0.41297 *A

50)  heptane
                0.611 0.734 0.658 0.699 0.671 0.688 0.580         0.663    7.94
51)  trichloroethene
              0.625 0.407 0.420 0.452 0.439 0.406 0.448 0.385     0.448   16.80
             ----- Linear regression -----  Coefficient =  0.9973
               Response Ratio = 0.00945 + 0.41256 *A

52)  1,2-dichloropropane
                0.376 0.444 0.382 0.403 0.389 0.413 0.343         0.393    8.10
53)  dibromomethane
                0.198 0.206 0.195 0.218 0.196 0.217 0.175         0.201    7.31
54)  bromodichloromethane
                0.563 0.457 0.461 0.570 0.488 0.617 0.501         0.522   11.71
55)  Methylcyclohexane
                0.645 0.682 0.643 0.692 0.649 0.696 0.589         0.656    5.72
56)  2-chloroethyl vinyl ether
                0.007       0.012 0.009 0.009 0.008 0.007         0.009   19.09
             ----- Linear regression -----  Coefficient =  0.9957
               Response Ratio = 0.00119 + 0.00710 *A

57)  methyl methacrylate
                0.235 0.208 0.157 0.235 0.207 0.250 0.195         0.212   14.76
58)  1,4-dioxane
                0.003       0.002 0.003 0.003 0.004 0.003         0.003   19.80
             ----- Linear regression -----  Coefficient =  0.9961
```

```
              Response Ratio = -0.00106 + 0.00341 *A

59)  cis-1,3-dichloropropene
                  0.643 0.498 0.484 0.649 0.562 0.699 0.558         0.585   13.91
60)  toluene-d8 (s)
                  1.335 1.372 1.286 1.423 1.302 1.318 1.659         1.385    9.34
61)  4-methyl-2-pentanone
                  0.375 0.341 0.298 0.394 0.364 0.399 0.312         0.355   11.07
62)  toluene
                  0.875 0.871 0.892 0.967 0.917 0.959 0.813         0.899    5.98
63)  trans-1,3-dichloropropene
                  0.564 0.387 0.381 0.535 0.463 0.604 0.462         0.485   17.70
             ----- Linear regression -----  Coefficient =  0.9963
               Response Ratio = -0.04126 + 0.57374 *A

64)  1,1,2-trichloroethane
                  0.264 0.255 0.250 0.294 0.260 0.296 0.241         0.266    7.96
65)  ethyl methacrylate
                  0.433 0.313 0.327 0.446 0.398 0.471 0.371         0.394   15.30
             ----- Linear regression -----  Coefficient =  0.9963
               Response Ratio = -0.01348 + 0.43982 *A


66) I   chlorobenzene-d5      ----------------ISTD--------------------
67)  tetrachloroethene
           0.859 0.613 0.678 0.647 0.640 0.626 0.646 0.556         0.658   13.44
68)  1,3-dichloropropane
                  0.907 0.959 0.902 0.963 0.906 0.959 0.808         0.915    5.96
69)  dibromochloromethane
                  0.646 0.401 0.399 0.584 0.478 0.658 0.522         0.527   20.38
             ----- Linear regression -----  Coefficient =  0.9977
               Response Ratio = -0.06998 + 0.65405 *A

70)  1,2-dibromoethane
                  0.572 0.518 0.499 0.559 0.513 0.594 0.475         0.533    8.02
71)  2-hexanone
                  0.495 0.546 0.392 0.469 0.449 0.501 0.406         0.465   11.75
72)  chlorobenzene
                  1.669 1.756 1.700 1.680 1.642 1.748 1.479         1.668    5.57
73)  1,1,1,2-tetrachloroethane
                  0.599 0.528 0.504 0.598 0.546 0.625 0.519         0.560    8.39
74)  ethylbenzene
                  2.918 3.368 3.153 3.188 3.095 3.293 2.829         3.121    6.18
75)  m,p-xylene
                  1.113 1.210 1.150 1.193 1.161 1.193 1.036         1.151    5.24
76)  o-xylene
                  1.126 1.131 1.159 1.194 1.145 1.201 1.038         1.142    4.76
77)  styrene
                  1.815 1.531 1.567 1.833 1.646 1.905 1.640         1.705    8.48
78)  bromoform
                  0.429 0.221 0.208 0.328 0.252 0.418 0.302         0.308   28.94
             ----- Linear regression -----  Coefficient =  0.9953
               Response Ratio = -0.08394 + 0.43445 *A

79)  trans-1,4-dichloro-2-butene
                  0.177 0.060 0.066 0.122 0.103 0.166 0.112         0.115   38.81
             ----- Linear regression -----  Coefficient =  0.9929
               Response Ratio = -0.04339 + 0.17889 *A
```

Initial Calibration Summary

Job Number: MC23272 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
 80) I   1,4-dichlorobenzene-d ----------------ISTD--------------------
 81)  isopropylbenzene
                3.505 4.796 4.255 4.520 4.293 4.089 3.731         4.170   10.62
 82)  bromofluorobenzene (s)
                1.159 1.459 1.195 1.256 1.142 1.084 1.494         1.256   12.75
 83)  bromobenzene
                0.855 0.918 0.883 0.949 0.879 0.901 0.792         0.883    5.68
 84)  1,1,2,2-tetrachloroethane
                0.840 0.933 0.813 0.957 0.868 0.879 0.752         0.863    8.10
 85)  1,2,3-trichloropropane
                0.973 0.915 0.778 0.983 0.875 0.980 0.792         0.899    9.73
 86)  n-propylbenzene
                3.717 5.304 4.836 5.152 4.847 4.769 4.311         4.705   11.42
 87)  2-chlorotoluene
                2.809 3.269 3.128 3.187 3.015 2.974 2.655         3.005    7.18
 88)  4-chlorotoluene
                2.834 3.298 3.007 3.237 2.968 3.038 2.688         3.010    7.07
 89)  1,3,5-trimethylbenzene
                3.150 3.713 3.574 3.739 3.499 3.517 3.148         3.477    6.96
 90)  tert-butylbenzene
                2.096 2.618 2.377 2.424 2.303 2.245 2.032         2.299    8.67
 91)  1,2,4-trimethylbenzene
                3.124 3.462 3.377 3.621 3.360 3.461 3.072         3.354    5.80
 92)  sec-butylbenzene
                3.663 4.579 4.487 4.798 4.461 4.520 4.043         4.364    8.76
 93)  1,3-dichlorobenzene
                1.627 1.685 1.650 1.769 1.624 1.731 1.503         1.656    5.21
 94)  p-isopropyltoluene
                2.896 3.203 3.065 3.346 3.147 3.174 2.841         3.096    5.73
 95)  1,4-dichlorobenzene
                1.473 1.728 1.657 1.677 1.588 1.603 1.435         1.595    6.72
 96)  1,2-dichlorobenzene
                1.554 1.589 1.497 1.645 1.510 1.659 1.425         1.554    5.40
 97)  n-butylbenzene
                3.141 2.707 2.837 3.548 3.232 3.582 3.113         3.166   10.36
 98)  1,2-dibromo-3-chloropropane
                0.204 0.154 0.120 0.176 0.143 0.207 0.159         0.166   19.14
              ----- Linear regression -----  Coefficient =  0.9971
                Response Ratio = -0.02636 + 0.20674 *A

 99)  1,3,5-trichlorobenzene
                1.189 1.069 1.088 1.244 1.129 1.279 1.119         1.160    6.88
100)  1,2,4-trichlorobenzene
                1.151 0.597 0.714 1.123 0.950 1.223 1.041         0.971   24.16
              ----- Linear regression -----  Coefficient =  0.9982
                Response Ratio = -0.05384 + 1.16841 *A

101)  hexachlorobutadiene
                0.842 0.903 0.835 0.835 0.774 0.911 0.785         0.841    6.22
102)  naphthalene
                2.262 0.950 0.791 1.769 1.226 2.319 1.799         1.588   38.46
              ----- Linear regression -----  Coefficient =  0.9972
                Response Ratio = -0.36278 + 2.30919 *A

103)  1,2,3-trichlorobenzene
                1.057 0.530 0.566 0.974 0.792 1.115 0.937         0.853   27.19
              ----- Linear regression -----  Coefficient =  0.9982
                Response Ratio = -0.07848 + 1.07527 *A

104)  2-Methylnaphthalene
```

Initial Calibration Summary

Job Number: MC23272 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
                  0.683 0.601 0.557 0.561 0.552 0.561 0.483         0.571   10.63
105)  1-Methylnaphthalene
                        0.601 0.549 0.495 0.502 0.538 0.422         0.518   11.65
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           P130805S.M        Tue Aug 06 12:43:18 2013
```

Initial Calibration Verification

Job Number: MC23272 **Sample:** MSP2318-ICV2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70811.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\P130805\p70811.D Vial: 17
Acq On : 5 Aug 2013 7:10 pm Operator: krystend
Sample : ICV2318-50 Inst : MSP
Misc : ms29498,msp2318,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 06 12:41:53 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	tert butyl alcohol-d9	1.000	1.000	0.0	107	0.00	6.08
2	tertiary butyl alcohol	1.116	1.232	-10.4	111	0.00	6.16
		True	Calc.	% Drift			
3 T	Ethanol	5000.000	5125.722	-2.5	100	0.00	4.98
		AvgRF	CCRF	% Dev			
4 I	pentafluorobenzene	1.000	1.000	0.0	113	0.00	8.45
5 M	dichlorodifluoromethane	0.410	0.447	-9.0	116	0.00	4.15
6 P	chloromethane	0.429	0.538	-25.4#	155	0.00	4.10
7 c	vinyl chloride	0.570	0.469	17.7	93	0.00	4.33
		True	Calc.	% Drift			
8 M	bromomethane	50.000	55.674	-11.3	140	0.00	4.80
		AvgRF	CCRF	% Dev			
9 M	chloroethane	0.231	0.258	-11.7	129	0.00	4.95
10 M	ethyl ether	0.289	0.310	-7.3	114	0.00	5.81
11 M	acetonitrile	0.201	0.203	-1.0	110	0.00	5.47
12 M	trichlorofluoromethane	0.899	0.881	2.0	105	0.00	5.57
13 M	freon-113	0.418	0.447	-6.9	121	0.00	6.31
		True	Calc.	% Drift			
14 M	acrolein	250.000	465.528	-86.2#	201	0.00	5.57
		AvgRF	CCRF	% Dev			
15 c	1,1-dichloroethene	0.324	0.369	-13.9	126	0.00	6.13
		True	Calc.	% Drift			
16 M	acetone	50.000	40.569	18.9	84	0.00	5.69
		AvgRF	CCRF	% Dev			
17 M	Methyl Acetate	0.478	0.373	22.0#	90	0.00	6.32
		True	Calc.	% Drift			
18 M	methylene chloride	50.000	54.832	-9.7	118	0.00	6.28
		AvgRF	CCRF	% Dev			
19 M	methyl tert butyl ether	0.811	0.886	-9.2	119	0.00	7.05
20 M	acrylonitrile	0.129	0.125	3.1	113	0.00	6.19
21 M	allyl chloride	0.535	0.750	-40.2#	145	0.00	6.37

Initial Calibration Verification

Job Number: MC23272 **Sample:** MSP2318-ICV2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70811.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

22	M	trans-1,2-dichloroethene	0.445	0.499	-12.1	123	0.00	6.95
			True	Calc.	% Drift			
23	M	iodomethane	50.000	47.831	4.3	109	0.00	6.18
24	M	carbon disulfide	50.000	59.935	-19.9	168	0.00	6.54
25	M	propionitrile	50.000	50.093	-0.2	107	0.00	7.23
			AvgRF	CCRF	% Dev			
26	M	vinyl acetate	0.657	0.541	17.7	89	0.00	7.31
27	M	chloroprene	0.911	1.094	-20.1#	126	0.00	7.56
28	M	di-isopropyl ether	1.744	1.857	-6.5	112	0.00	7.61
29	M	methacrylonitrile	0.296	0.305	-3.0	104	0.00	7.72
			True	Calc.	% Drift			
30	M	2-butanone	50.000	48.893	2.2	107	0.00	7.62
			AvgRF	CCRF	% Dev			
31	M	Hexane	0.997	1.054	-5.7	113	0.00	7.58
32	P	1,1-dichloroethane	0.897	1.068	-19.1	130	0.00	7.20
			True	Calc.	% Drift			
33	M	tert-butyl ethyl ether	50.000	50.579	-1.2	125	0.00	8.00
			AvgRF	CCRF	% Dev			
34	M	isobutyl alcohol	0.326	0.346	-6.1	110	0.00	7.61
			True	Calc.	% Drift			
35	M	2,2-dichloropropane	50.000	49.010	2.0	133	0.00	8.05
			AvgRF	CCRF	% Dev			
36	M	cis-1,2-dichloroethene	0.503	0.543	-8.0	118	0.00	7.76
			True	Calc.	% Drift			
37		ethyl acetate	50.000	53.835	-7.7	121	0.00	8.29
			AvgRF	CCRF	% Dev			
38	M	bromochloromethane	0.181	0.224	-23.8#	128	0.00	7.93
39	c	chloroform	0.972	1.120	-15.2	123	0.00	7.96
40	S	dibromofluoromethane (s)	0.503	0.497	1.2	109	0.00	8.09
41	M	Tetrahydrofuran	0.152	0.153	-0.7	113	0.00	8.29
42	M	1,1,1-trichloroethane	0.880	1.030	-17.0	123	0.00	8.71
43	I	1,4-difluorobenzene	1.000	1.000	0.0	112	0.00	9.30
44	M	Cyclohexane	0.704	0.740	-5.1	112	0.00	8.98
45	M	carbon tetrachloride	0.519	0.624	-20.2#	122	0.00	9.06
46	M	1,1-dichloropropene	0.565	0.621	-9.9	116	0.00	8.88
			True	Calc.	% Drift			
47	M	benzene	50.000	56.322	-12.6	119	0.00	9.10
			AvgRF	CCRF	% Dev			
48	M	1,2-dichloroethane	0.631	0.655	-3.8	108	0.00	8.61
			True	Calc.	% Drift			
49	M	tert-amyl methyl ether	50.000	51.998	-4.0	129	0.00	9.23
			AvgRF	CCRF	% Dev			
50	M	heptane	0.663	0.703	-6.0	113	0.00	9.58
			True	Calc.	% Drift			

Initial Calibration Verification

Job Number: MC23272 **Sample:** MSP2318-ICV2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70811.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

51	M	trichloroethene	50.000	55.114	-10.2	118	0.00	9.72
			AvgRF	CCRF	% Dev			
52	c	1,2-dichloropropane	0.393	0.424	-7.9	118	0.00	9.68
53	M	dibromomethane	0.201	0.238	-18.4	122	0.00	9.66
54	M	bromodichloromethane	0.522	0.598	-14.6	117	0.00	9.77
55	M	Methylcyclohexane	0.656	0.739	-12.7	120	0.00	10.23
			True	Calc.	% Drift			
56	M	2-chloroethyl vinyl ether	50.000	54.488	-9.0	109	0.00	10.22
			AvgRF	CCRF	% Dev			
57	M	methyl methacrylate	0.212	0.242	-14.2	116	0.00	9.88
			True	Calc.	% Drift			
58	M	1,4-dioxane	250.000	246.274	1.5	103	0.00	9.88
			AvgRF	CCRF	% Dev			
59	M	cis-1,3-dichloropropene	0.585	0.635	-8.5	110	0.00	10.39
60	S	toluene-d8 (s)	1.385	1.379	0.4	108	0.00	11.09
61	M	4-methyl-2-pentanone	0.355	0.392	-10.4	111	0.00	10.50
62	c	toluene	0.899	1.020	-13.5	118	0.00	11.16
			True	Calc.	% Drift			
63	M	trans-1,3-dichloropropene	50.000	51.411	-2.8	115	0.00	10.81
			AvgRF	CCRF	% Dev			
64	M	1,1,2-trichloroethane	0.266	0.284	-6.8	108	0.00	10.98
			True	Calc.	% Drift			
65	M	ethyl methacrylate	50.000	52.644	-5.3	113	0.00	11.20
			AvgRF	CCRF	% Dev			
66	I	chlorobenzene-d5	1.000	1.000	0.0	110	0.00	12.55
67	M	tetrachloroethene	0.658	0.729	-10.8	125	0.00	11.90
68	M	1,3-dichloropropane	0.915	0.974	-6.4	111	0.00	11.22
			True	Calc.	% Drift			
69	M	dibromochloromethane	50.000	51.755	-3.5	114	0.00	11.50
			AvgRF	CCRF	% Dev			
70	M	1,2-dibromoethane	0.533	0.574	-7.7	113	0.00	11.75
71	M	2-hexanone	0.465	0.456	1.9	107	0.00	11.36
72	P	chlorobenzene	1.668	1.702	-2.0	111	0.00	12.58
73	M	1,1,1,2-tetrachloroethane	0.560	0.614	-9.6	113	0.00	12.50
74	c	ethylbenzene	3.121	3.316	-6.2	114	0.00	12.75
75	M	m,p-xylene	1.151	1.219	-5.9	112	0.00	12.94
76	M	o-xylene	1.142	1.185	-3.8	109	0.00	13.35
77	M	styrene	1.705	1.857	-8.9	111	0.00	13.28
			True	Calc.	% Drift			
78	P	bromoform	50.000	51.256	-2.5	121	0.00	13.10
79	M	trans-1,4-dichloro-2-bute	50.000	46.766	6.5	111	0.00	13.51
			AvgRF	CCRF	% Dev			
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	109	0.00	15.10
81	M	isopropylbenzene	4.170	4.500	-7.9	109	0.00	13.72
82	S	bromofluorobenzene (s)	1.256	1.180	6.1	103	0.00	13.77

Initial Calibration Verification

Job Number: MC23272 **Sample:** MSP2318-ICV2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70811.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

83	M	bromobenzene	0.883	0.973	-10.2	112	0.00	13.99
84	P	1,1,2,2-tetrachloroethane	0.863	0.966	-11.9	110	0.00	13.36
85	M	1,2,3-trichloropropane	0.899	0.985	-9.6	109	0.00	13.51
86	M	n-propylbenzene	4.705	4.969	-5.6	105	0.00	14.16
87	M	2-chlorotoluene	3.005	3.034	-1.0	104	0.00	14.28
88	M	4-chlorotoluene	3.010	3.155	-4.8	107	0.00	14.35
89	M	1,3,5-trimethylbenzene	3.477	3.670	-5.6	107	0.00	14.44
90	M	tert-butylbenzene	2.299	2.352	-2.3	106	0.00	14.74
91	M	1,2,4-trimethylbenzene	3.354	3.553	-5.9	107	0.00	14.85
92	M	sec-butylbenzene	4.364	4.710	-7.9	107	0.00	14.97
93	M	1,3-dichlorobenzene	1.656	1.680	-1.4	104	0.00	15.06
94	M	p-isopropyltoluene	3.096	3.533	-14.1	115	0.00	15.15
95	M	1,4-dichlorobenzene	1.595	1.710	-7.2	111	0.00	15.13
96	M	1,2-dichlorobenzene	1.554	1.595	-2.6	106	0.00	15.50
97	M	n-butylbenzene	3.166	3.519	-11.1	108	0.00	15.56
			True	Calc.	% Drift			
98	M	1,2-dibromo-3-chloropropa	50.000	48.186	3.6	108	0.00	15.98
			AvgRF	CCRF	% Dev			
99		1,3,5-trichlorobenzene	1.160	1.314	-13.3	115	0.00	16.80
			True	Calc.	% Drift			
100	M	1,2,4-trichlorobenzene	50.000	50.339	-0.7	109	0.00	17.33
			AvgRF	CCRF	% Dev			
101	M	hexachlorobutadiene	0.841	0.884	-5.1	116	0.00	17.62
			True	Calc.	% Drift			
102	M	naphthalene	50.000	50.392	-0.8	121	0.00	17.59
103	M	1,2,3-trichlorobenzene	50.000	50.505	-1.0	113	0.00	17.79
			AvgRF	CCRF	% Dev			
104	M	2-Methylnaphthalene	0.571	0.665	-16.5	130	0.00	18.89
105	M	1-Methylnaphthalene	0.518	0.111	78.6#	24#	0.00	19.12

(7.9 %) 8 of 101 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p70805.D P130805S.M Tue Aug 06 12:43:08 2013

Continuing Calibration Summary

Job Number: MC23272 **Sample:** MSP2326-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71015.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\P130814\p71015.D Vial: 6
Acq On : 14 Aug 2013 11:07 am Operator: krystend
Sample : cc2318-50 Inst : MSP
Misc : ms29647,msp2326,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 06 12:41:53 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		tert butyl alcohol-d9	1.000	1.000	0.0	149	0.00	6.08
2		tertiary butyl alcohol	1.116	1.163	-4.2	146	0.00	6.16
			True	Calc.	% Drift			
3	T	Ethanol	5000.000	4285.696	14.3	117	0.00	4.99
			AvgRF	CCRF	% Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	117	0.00	8.45
5	M	dichlorodifluoromethane	0.410	0.445	-8.5	119	0.00	4.15
6	P	chloromethane	0.429	0.419	2.3	125	0.00	4.10
7	c	vinyl chloride	0.570	0.624	-9.5	128	0.00	4.33
			True	Calc.	% Drift			
8	M	bromomethane	50.000	52.150	-4.3	134	0.00	4.80
			AvgRF	CCRF	% Dev			
9	M	chloroethane	0.231	0.239	-3.5	123	0.00	4.95
10	M	ethyl ether	0.289	0.336	-16.3	128	0.00	5.81
11	M	acetonitrile	0.201	0.211	-5.0	118	0.00	5.47
12	M	trichlorofluoromethane	0.899	1.129	-25.6#	138	0.00	5.57
13	M	freon-113	0.418	0.461	-10.3	129	0.00	6.31
			True	Calc.	% Drift			
14	M	acrolein	250.000	247.720	0.9	110	0.00	5.57
			AvgRF	CCRF	% Dev			
15	c	1,1-dichloroethene	0.324	0.343	-5.9	121	0.00	6.13
			True	Calc.	% Drift			
16	M	acetone	50.000	59.654	-19.3	121	0.00	5.70
			AvgRF	CCRF	% Dev			
17	M	Methyl Acetate	0.478	0.484	-1.3	120	0.00	6.32
			True	Calc.	% Drift			
18	M	methylene chloride	50.000	55.557	-11.1	124	0.00	6.28
			AvgRF	CCRF	% Dev			
19	M	methyl tert butyl ether	0.811	1.005	-23.9#	140	0.00	7.05
20	M	acrylonitrile	0.129	0.115	10.9	106	0.00	6.20
21	M	allyl chloride	0.535	0.650	-21.5#	130	0.00	6.37

Continuing Calibration Summary

Job Number: MC23272 **Sample:** MSP2326-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71015.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

22	M	trans-1,2-dichloroethene	0.445	0.389	12.6	99	0.00	6.95
			True	Calc.	% Drift			
23	M	iodomethane	50.000	59.941	-19.9	144	0.00	6.18
24	M	carbon disulfide	50.000	49.054	1.9	136	0.00	6.54
25	M	propionitrile	50.000	40.744	18.5	89	0.00	7.23
			AvgRF	CCRF	% Dev			
26	M	vinyl acetate	0.657	0.686	-4.4	116	0.00	7.32
27	M	chloroprene	0.911	1.007	-10.5	120	0.00	7.56
28	M	di-isopropyl ether	1.744	1.703	2.4	107	0.00	7.61
29	M	methacrylonitrile	0.296	0.283	4.4	100	0.00	7.73
			True	Calc.	% Drift			
30	M	2-butanone	50.000	46.185	7.6	104	0.00	7.61
			AvgRF	CCRF	% Dev			
31	M	Hexane	0.997	1.042	-4.5	116	0.00	7.58
32	P	1,1-dichloroethane	0.897	0.869	3.1	109	0.00	7.20
			True	Calc.	% Drift			
33	M	tert-butyl ethyl ether	50.000	57.082	-14.2	150	0.00	8.00
			AvgRF	CCRF	% Dev			
34	M	isobutyl alcohol	0.326	0.329	-0.9	108	0.00	7.61
			True	Calc.	% Drift			
35	M	2,2-dichloropropane	50.000	51.265	-2.5	145	0.00	8.05
			AvgRF	CCRF	% Dev			
36	M	cis-1,2-dichloroethene	0.503	0.436	13.3	98	0.00	7.76
			True	Calc.	% Drift			
37		ethyl acetate	50.000	49.406	1.2	115	0.00	8.30
			AvgRF	CCRF	% Dev			
38	M	bromochloromethane	0.181	0.170	6.1	100	0.00	7.92
39	c	chloroform	0.972	1.053	-8.3	120	0.00	7.96
40	S	dibromofluoromethane (s)	0.503	0.485	3.6	110	0.00	8.09
41	M	Tetrahydrofuran	0.152	0.114	25.0#	87	0.00	8.29
42	M	1,1,1-trichloroethane	0.880	1.047	-19.0	129	0.00	8.71
43	I	1,4-difluorobenzene	1.000	1.000	0.0	108	0.00	9.30
44	M	Cyclohexane	0.704	0.649	7.8	94	0.00	8.98
45	M	carbon tetrachloride	0.519	0.711	-37.0#	134	0.00	9.06
46	M	1,1-dichloropropene	0.565	0.577	-2.1	103	0.00	8.88
			True	Calc.	% Drift			
47	M	benzene	50.000	46.574	6.9	95	0.00	9.10
			AvgRF	CCRF	% Dev			
48	M	1,2-dichloroethane	0.631	0.816	-29.3#	130	0.00	8.61
			True	Calc.	% Drift			
49	M	tert-amyl methyl ether	50.000	62.041	-24.1#	153	0.00	9.23
			AvgRF	CCRF	% Dev			
50	M	heptane	0.663	0.610	8.0	94	0.00	9.58
			True	Calc.	% Drift			

Continuing Calibration Summary

Job Number: MC23272 **Sample:** MSP2326-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71015.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

51	M	trichloroethene	50.000	51.580	-3.2	107	0.00	9.72
			AvgRF	CCRF	% Dev			
52	c	1,2-dichloropropane	0.393	0.362	7.9	97	0.00	9.69
53	M	dibromomethane	0.201	0.217	-8.0	107	0.00	9.66
54	M	bromodichloromethane	0.522	0.648	-24.1#	123	0.00	9.77
55	M	Methylcyclohexane	0.656	0.589	10.2	92	0.00	10.23
			True	Calc.	% Drift			
56	M	2-chloroethyl vinyl ether	50.000	60.567	-21.1#	115	0.00	10.23
			AvgRF	CCRF	% Dev			
57	M	methyl methacrylate	0.212	0.201	5.2	93	0.00	9.88
			True	Calc.	% Drift			
58	M	1,4-dioxane	250.000	223.341	10.7	90	0.00	9.88
			AvgRF	CCRF	% Dev			
59	M	cis-1,3-dichloropropene	0.585	0.620	-6.0	103	0.00	10.39
60	S	toluene-d8 (s)	1.385	1.246	10.0	94	0.00	11.09
61	M	4-methyl-2-pentanone	0.355	0.341	3.9	93	0.00	10.50
62	c	toluene	0.899	0.856	4.8	96	0.00	11.16
			True	Calc.	% Drift			
63	M	trans-1,3-dichloropropene	50.000	49.743	0.5	107	0.00	10.81
			AvgRF	CCRF	% Dev			
64	M	1,1,2-trichloroethane	0.266	0.244	8.3	89	0.00	10.98
			True	Calc.	% Drift			
65	M	ethyl methacrylate	50.000	44.956	10.1	92	0.00	11.20
			AvgRF	CCRF	% Dev			
66	I	chlorobenzene-d5	1.000	1.000	0.0	112	0.00	12.55
67	M	tetrachloroethene	0.658	0.584	11.2	103	0.00	11.90
68	M	1,3-dichloropropane	0.915	0.834	8.9	97	0.00	11.22
			True	Calc.	% Drift			
69	M	dibromochloromethane	50.000	50.588	-1.2	114	0.00	11.50
			AvgRF	CCRF	% Dev			
70	M	1,2-dibromoethane	0.533	0.467	12.4	94	0.00	11.75
71	M	2-hexanone	0.465	0.421	9.5	101	0.00	11.37
72	P	chlorobenzene	1.668	1.388	16.8	93	0.00	12.58
73	M	1,1,1,2-tetrachloroethane	0.560	0.592	-5.7	111	0.00	12.50
74	c	ethylbenzene	3.121	2.747	12.0	97	0.00	12.75
75	M	m,p-xylene	1.151	0.989	14.1	93	0.00	12.94
76	M	o-xylene	1.142	0.994	13.0	94	0.00	13.35
77	M	styrene	1.705	1.377	19.2	84	0.00	13.28
			True	Calc.	% Drift			
78	P	bromoform	50.000	48.675	2.7	116	0.00	13.10
79	M	trans-1,4-dichloro-2-bute	50.000	54.304	-8.6	139	0.00	13.51
			AvgRF	CCRF	% Dev			
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	115	0.00	15.10
81	M	isopropylbenzene	4.170	3.820	8.4	97	0.00	13.72
82	S	bromofluorobenzene (s)	1.256	1.085	13.6	99	0.00	13.77

Continuing Calibration Summary

Job Number: MC23272 **Sample:** MSP2326-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71015.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

83	M	bromobenzene	0.883	0.796	9.9	96	0.00	13.99
84	P	1,1,2,2-tetrachloroethane	0.863	0.736	14.7	89	0.00	13.36
85	M	1,2,3-trichloropropane	0.899	0.823	8.5	96	0.00	13.51
86	M	n-propylbenzene	4.705	4.247	9.7	95	0.00	14.16
87	M	2-chlorotoluene	3.005	2.696	10.3	97	0.00	14.28
88	M	4-chlorotoluene	3.010	2.763	8.2	98	0.00	14.35
89	M	1,3,5-trimethylbenzene	3.477	3.278	5.7	101	0.00	14.44
90	M	tert-butylbenzene	2.299	2.304	-0.2	109	0.00	14.74
91	M	1,2,4-trimethylbenzene	3.354	3.237	3.5	103	0.00	14.85
92	M	sec-butylbenzene	4.364	4.035	7.5	97	0.00	14.96
93	M	1,3-dichlorobenzene	1.656	1.470	11.2	96	0.00	15.06
94	M	p-isopropyltoluene	3.096	2.995	3.3	103	0.00	15.15
95	M	1,4-dichlorobenzene	1.595	1.476	7.5	101	0.00	15.13
96	M	1,2-dichlorobenzene	1.554	1.397	10.1	98	0.00	15.50
97	M	n-butylbenzene	3.166	3.137	0.9	102	0.00	15.56
		----------	True	Calc.	% Drift	----------		
98	M	1,2-dibromo-3-chloropropa	50.000	51.804	-3.6	123	0.00	15.98
		----------	AvgRF	CCRF	% Dev	----------		
99		1,3,5-trichlorobenzene	1.160	1.163	-0.3	108	0.00	16.80
		----------	True	Calc.	% Drift	----------		
100	M	1,2,4-trichlorobenzene	50.000	48.137	3.7	110	0.00	17.33
		----------	AvgRF	CCRF	% Dev	----------		
101	M	hexachlorobutadiene	0.841	0.903	-7.4	124	0.00	17.62
		----------	True	Calc.	% Drift	----------		
102	M	naphthalene	50.000	42.247	15.5	103	0.00	17.59
103	M	1,2,3-trichlorobenzene	50.000	48.539	2.9	114	0.00	17.79
		----------	AvgRF	CCRF	% Dev	----------		
104	M	2-Methylnaphthalene	0.571	0.508	11.0	104	0.00	18.89
105	M	1-Methylnaphthalene	0.518	0.426	17.8	99	0.00	19.12

(8.9 %) 9 of 101 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p70805.D P130805S.M Wed Aug 14 12:29:42 2013

New England ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72967.D
Acq On : 8 Aug 2013 5:08 pm
Operator : GaryK
Sample : mc23272-1
Misc : ms29620,msk2375,10.505,,100,10,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 09 07:48:39 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

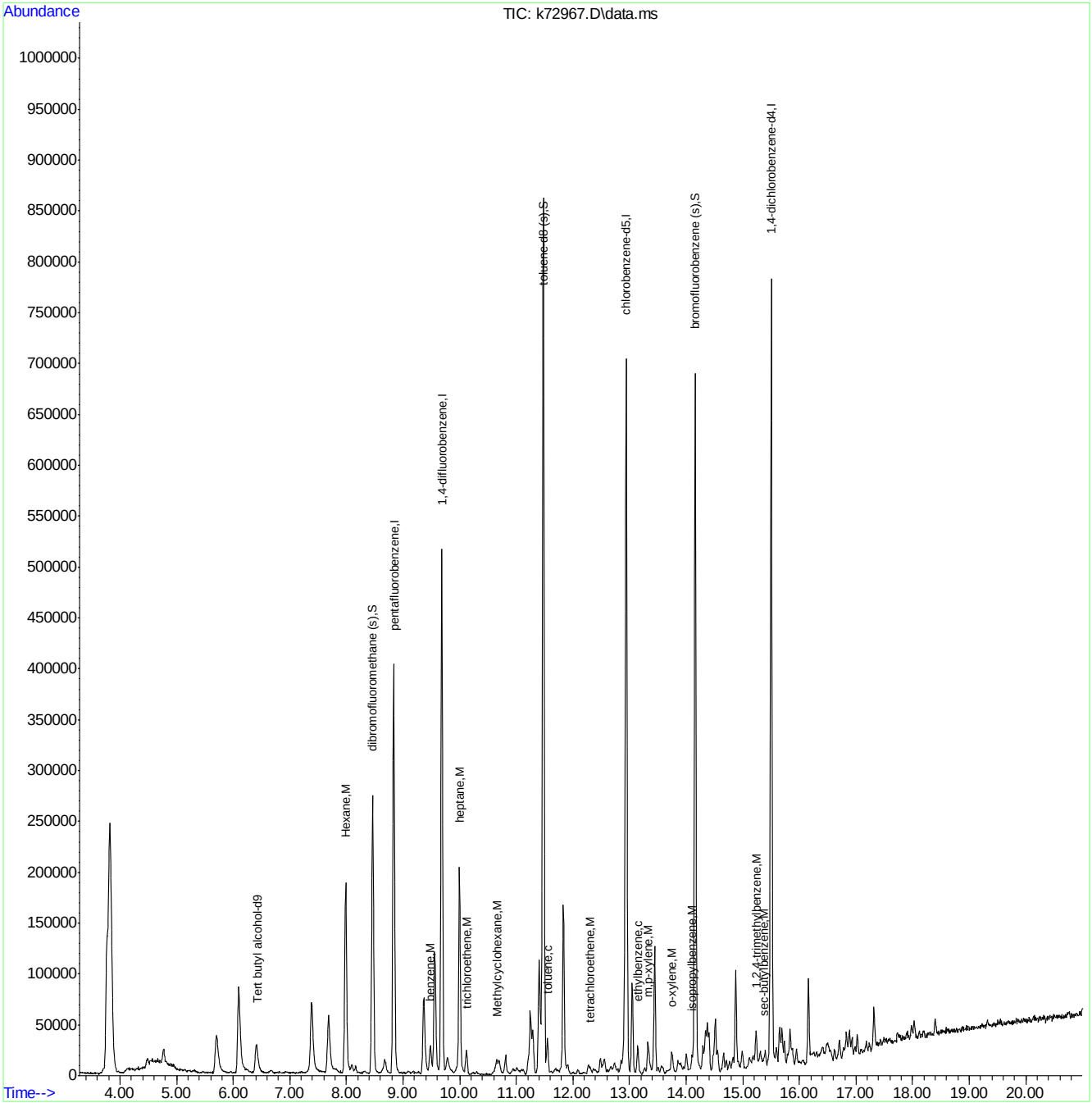
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.421	65	55888	500.00	ug/kg	0.00
4) pentafluorobenzene	8.837	168	357271	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.684	114	531408	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.942	82	212881	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	264064	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.465	113	200734	54.28	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.56%			
63) toluene-d8 (s)	11.477	98	698927	52.46	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.92%			
87) bromofluorobenzene (s)	14.160	95	256570	50.83	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.66%			
Target Compounds						Qvalue
32) Hexane	7.989	41	87672	21.69	ug/kg	87
49) benzene	9.485	78	7819	0.59	ug/kg	84
52) heptane	9.997	43	97080	27.69	ug/kg	86
54) trichloroethene	10.122	95	5826	1.47	ug/kg	87
58) Methylcyclohexane	10.665	83	7406	1.49	ug/kg	88
65) toluene	11.550	92	16831	1.90	ug/kg	90
70) tetrachloroethene	12.307	166	2395	0.58	ug/kg	78
78) ethylbenzene	13.148	91	19644	1.25	ug/kg	97
79) m,p-xylene	13.327	106	10984	1.64	ug/kg	86
80) o-xylene	13.744	106	5587	0.84	ug/kg	96
86) isopropylbenzene	14.108	105	5014	0.28	ug/kg	88
96) 1,2,4-trimethylbenzene	15.238	105	19160	1.32	ug/kg	94
97) sec-butylbenzene	15.361	105	4203	0.23	ug/kg	96

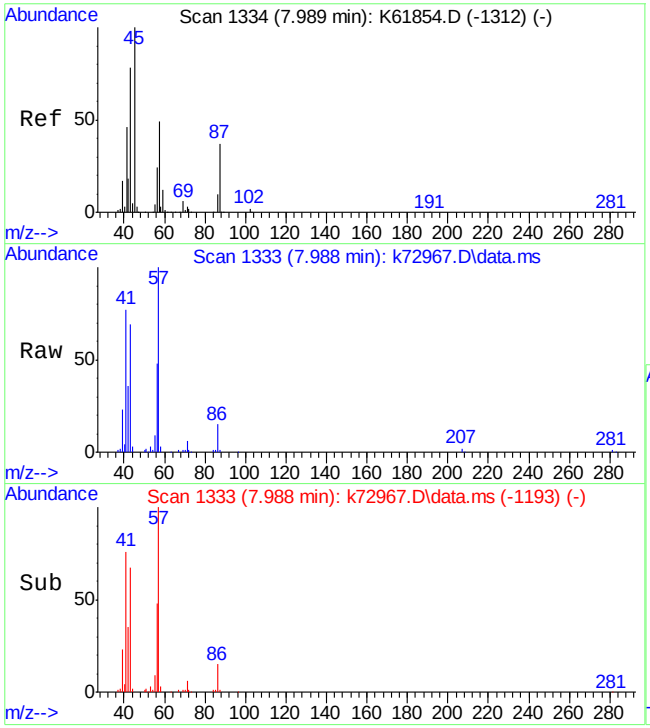
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72967.D
Acq On : 8 Aug 2013 5:08 pm
Operator : GaryK
Sample : mc23272-1
Misc : ms29620,msk2375,10.505,,100,10,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 09 07:48:39 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

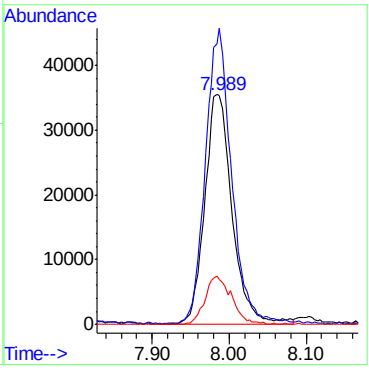


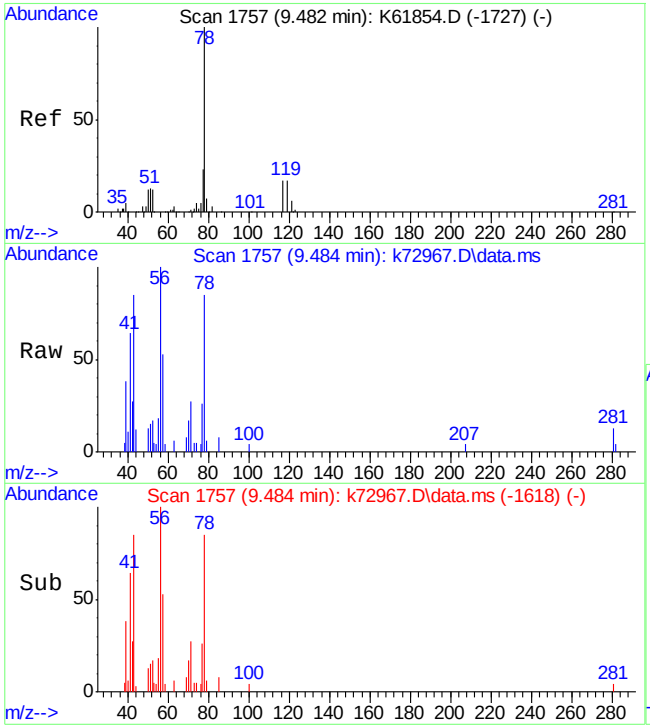


#32
Hexane
Concen: 21.69 ug/kg
RT: 7.989 min Scan# 1333
Delta R.T. -0.003 min
Lab File: k72967.D
Acq: 8 Aug 2013 5:08 pm

Tgt Ion: 41 Resp: 87672

Ion	Ratio	Lower	Upper
41	100		
57	129.6	91.4	137.0
86	19.7	17.4	26.0

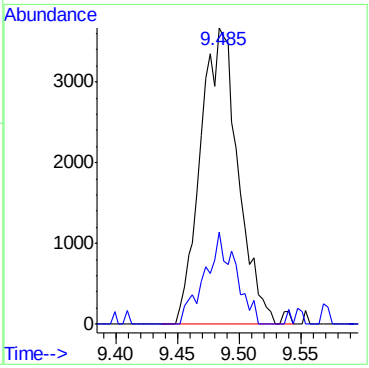


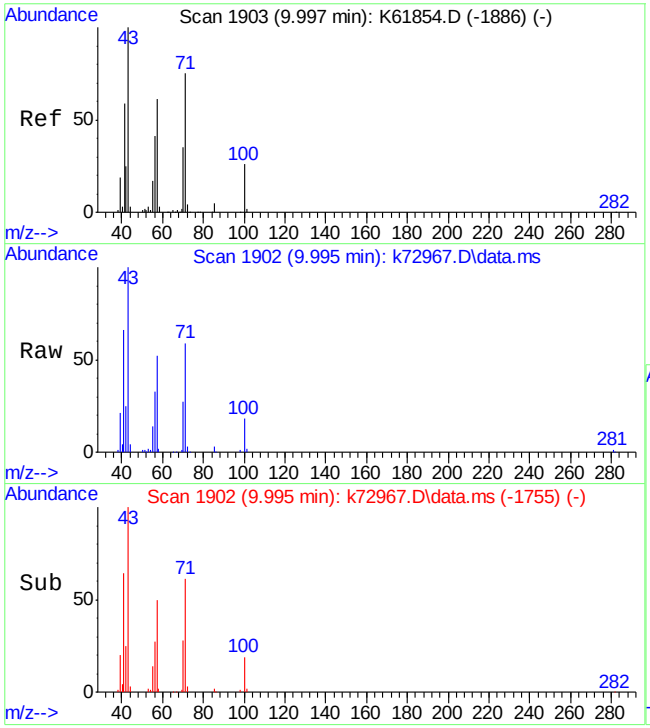


#49
benzene
Concen: 0.59 ug/kg
RT: 9.485 min Scan# 1757
Delta R.T. 0.000 min
Lab File: k72967.D
Acq: 8 Aug 2013 5:08 pm

Tgt Ion: 78 Resp: 7819

Ion	Ratio	Lower	Upper
78	100		
77	31.1	0.0	53.4

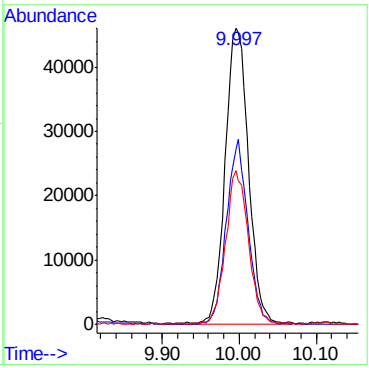


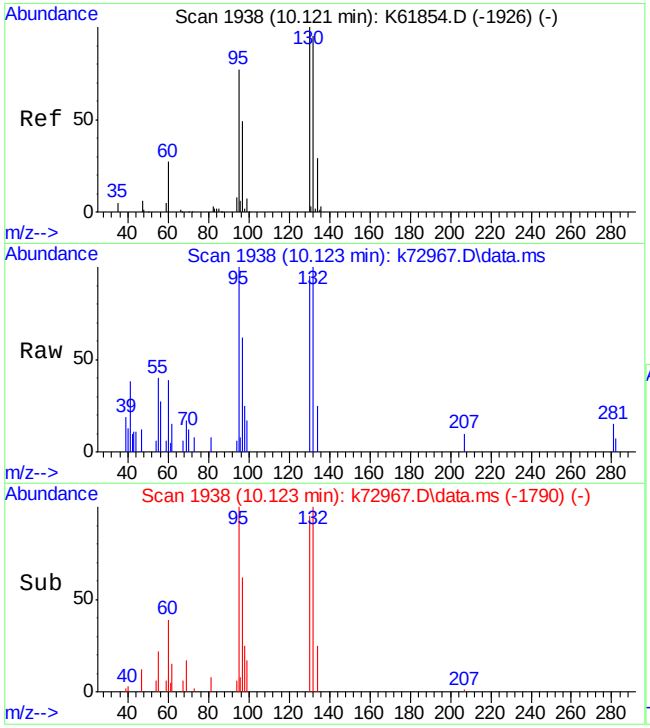


#52
heptane
Concen: 27.69 ug/kg
RT: 9.997 min Scan# 1902
Delta R.T. 0.000 min
Lab File: k72967.D
Acq: 8 Aug 2013 5:08 pm

Tgt Ion: 43 Resp: 97080

Ion	Ratio	Lower	Upper
43	100		
71	59.0	43.3	103.3
57	52.0	28.9	88.9

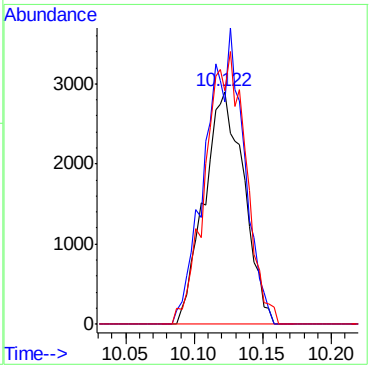


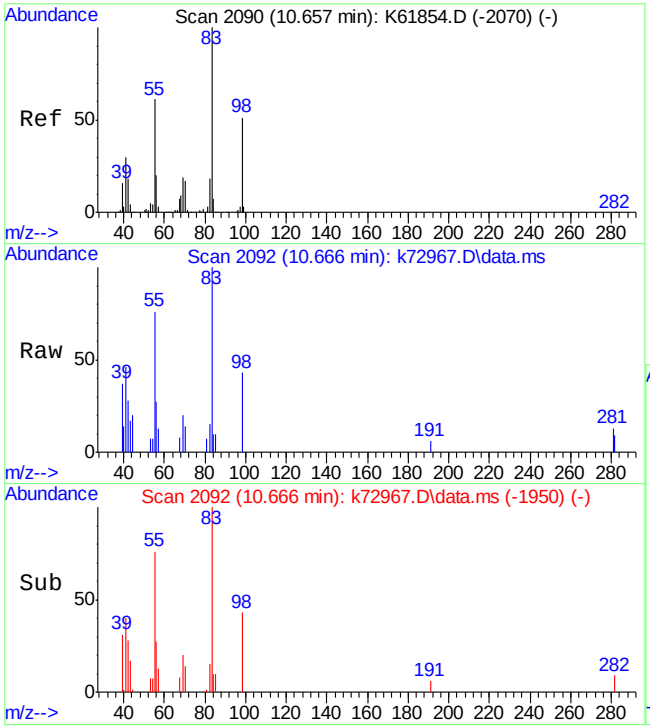


#54
trichloroethene
Concen: 1.47 ug/kg
RT: 10.122 min Scan# 1938
Delta R.T. -0.000 min
Lab File: k72967.D
Acq: 8 Aug 2013 5:08 pm

Tgt Ion: 95 Resp: 5826

Ion	Ratio	Lower	Upper
95	100		
130	95.6	83.8	143.8
132	100.5	79.6	139.6

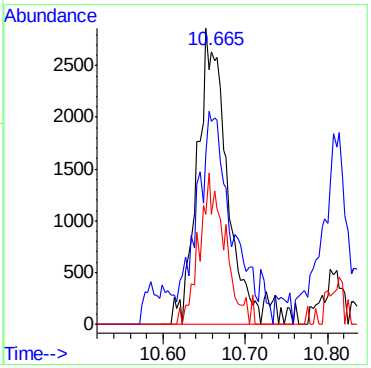


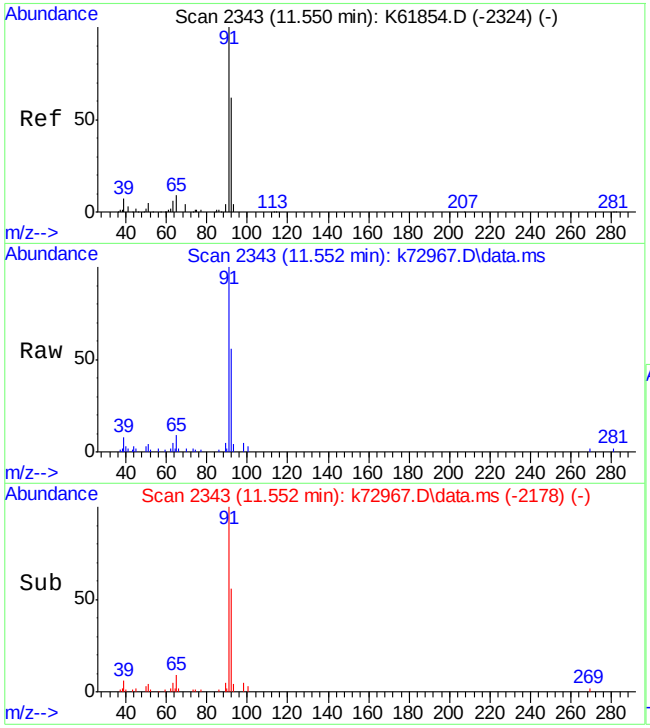


#58
Methylcyclohexane
Concen: 1.49 ug/kg
RT: 10.665 min Scan# 2092
Delta R.T. 0.001 min
Lab File: k72967.D
Acq: 8 Aug 2013 5:08 pm

Tgt Ion: 83 Resp: 7406

Ion	Ratio	Lower	Upper
83	100		
55	76.5	52.2	78.4
98	43.1	38.9	58.3

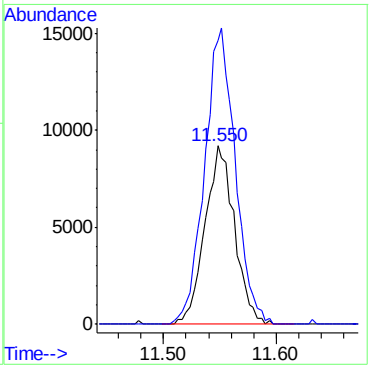


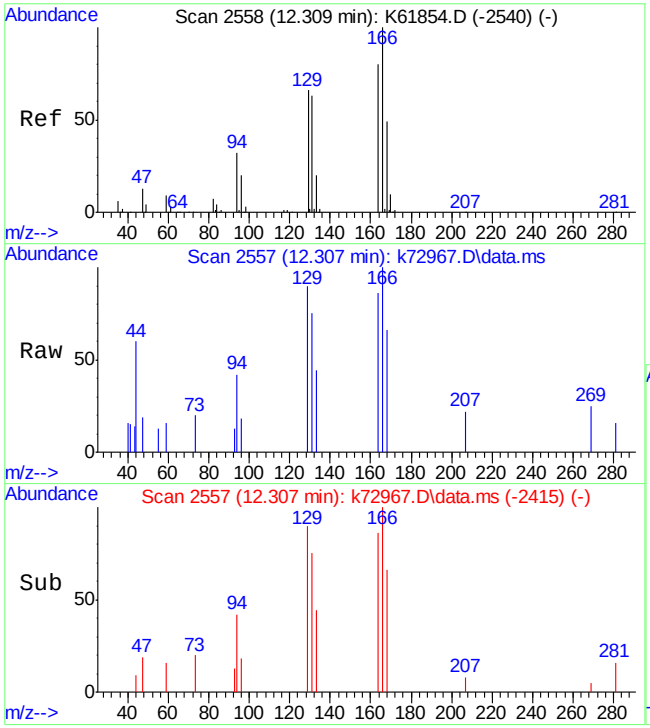


#65
toluene
Concen: 1.90 ug/kg
RT: 11.550 min Scan# 2343
Delta R.T. 0.001 min
Lab File: k72967.D
Acq: 8 Aug 2013 5:08 pm

Tgt Ion: 92 Resp: 16831

Ion	Ratio	Lower	Upper
92	100		
91	178.7	135.5	195.5

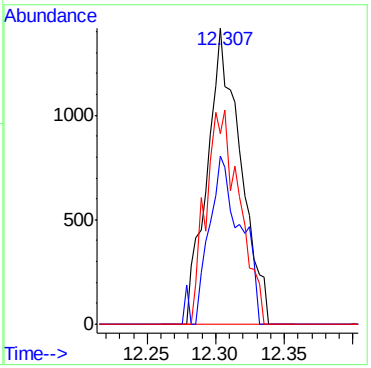


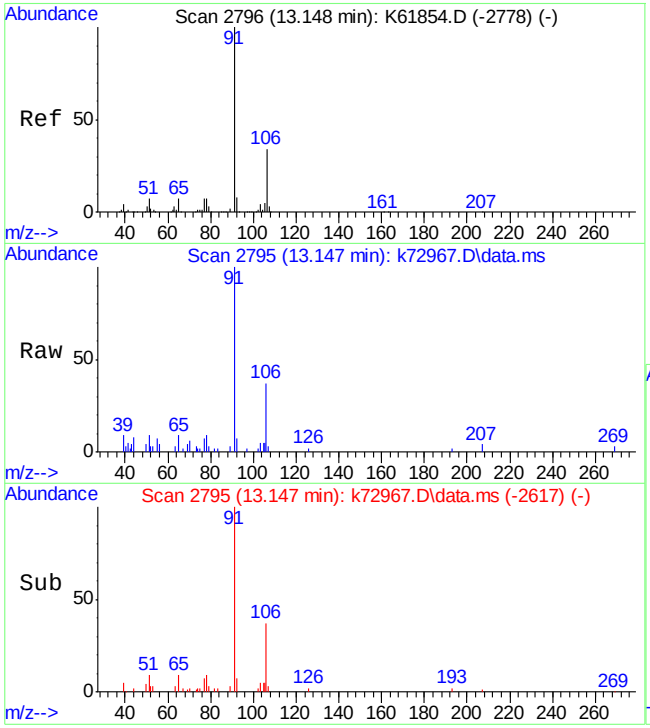


#70
tetrachloroethene
Concen: 0.58 ug/kg
RT: 12.307 min Scan# 2557
Delta R.T. 0.000 min
Lab File: k72967.D
Acq: 8 Aug 2013 5:08 pm

Tgt Ion:166 Resp: 2395

Ion	Ratio	Lower	Upper
166	100		
168	66.2	19.2	79.2
129	90.1	42.7	102.7

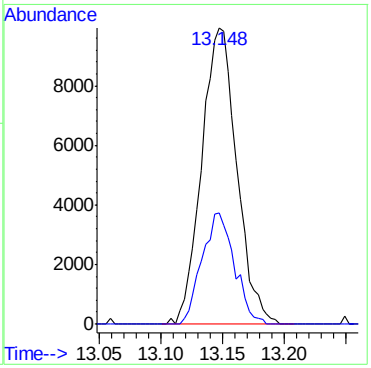


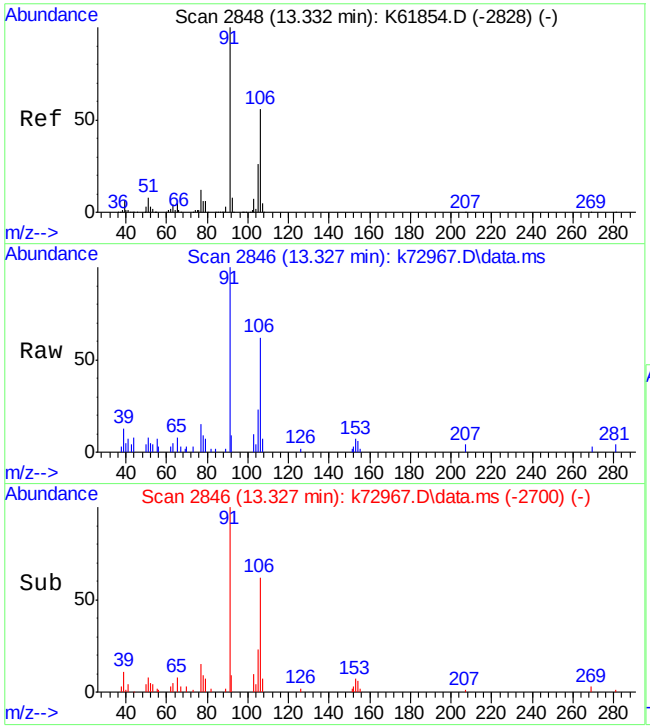


#78
ethylbenzene
Concen: 1.25 ug/kg
RT: 13.148 min Scan# 2795
Delta R.T. 0.001 min
Lab File: k72967.D
Acq: 8 Aug 2013 5:08 pm

Tgt Ion: 91 Resp: 19644

Ion	Ratio	Lower	Upper
91	100		
106	37.4	5.5	65.5

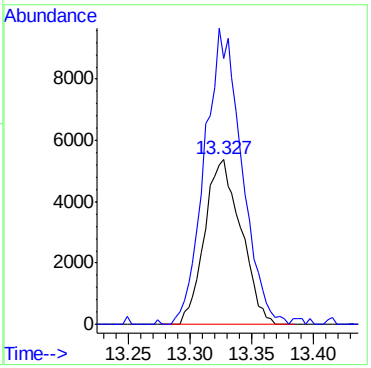


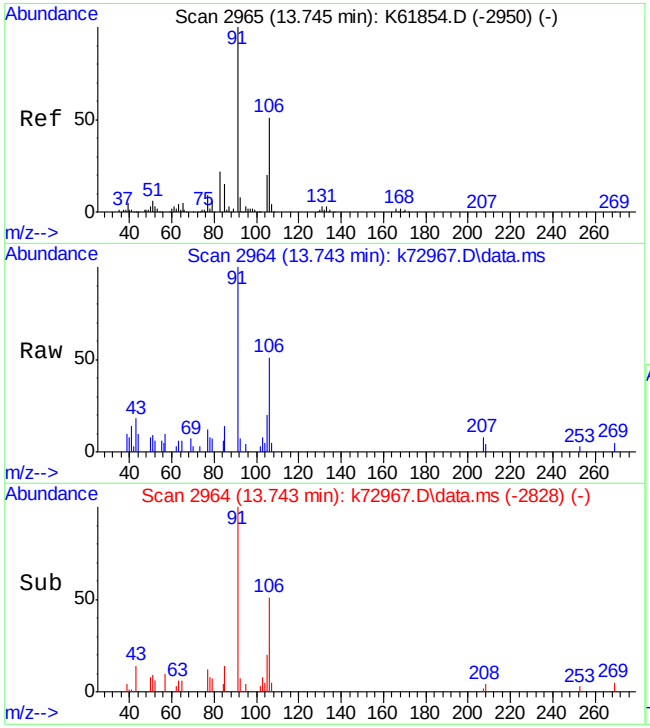


#79
m,p-xylene
Concen: 1.64 ug/kg
RT: 13.327 min Scan# 2846
Delta R.T. -0.003 min
Lab File: k72967.D
Acq: 8 Aug 2013 5:08 pm

Tgt Ion:106 Resp: 10984

Ion	Ratio	Lower	Upper
106	100		
91	161.0	150.2	210.2

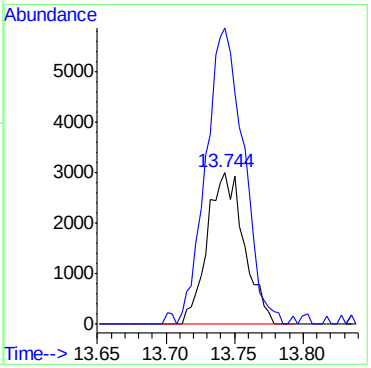


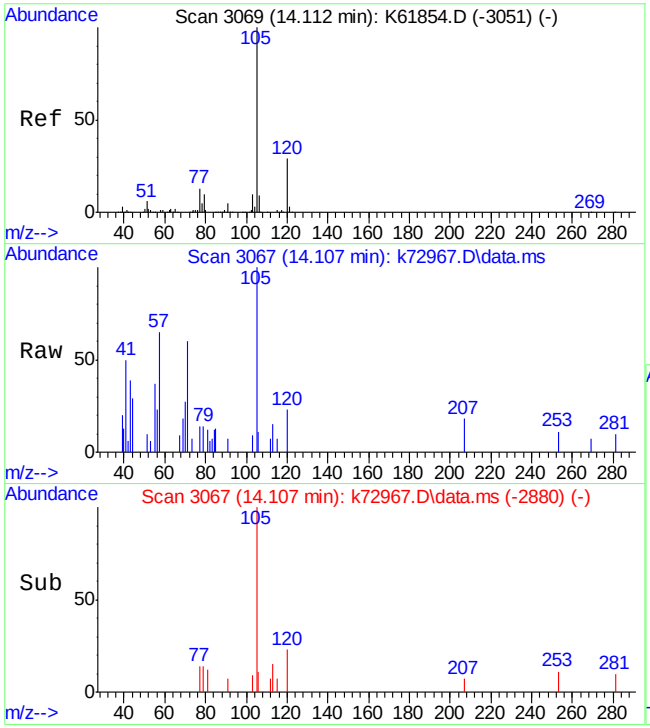


#80
o-xylene
Concen: 0.84 ug/kg
RT: 13.744 min Scan# 2964
Delta R.T. 0.001 min
Lab File: k72967.D
Acq: 8 Aug 2013 5:08 pm

Tgt Ion:106 Resp: 5587

Ion	Ratio	Lower	Upper
106	100		
91	195.1	159.4	219.4

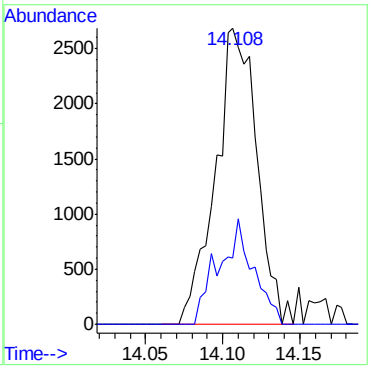


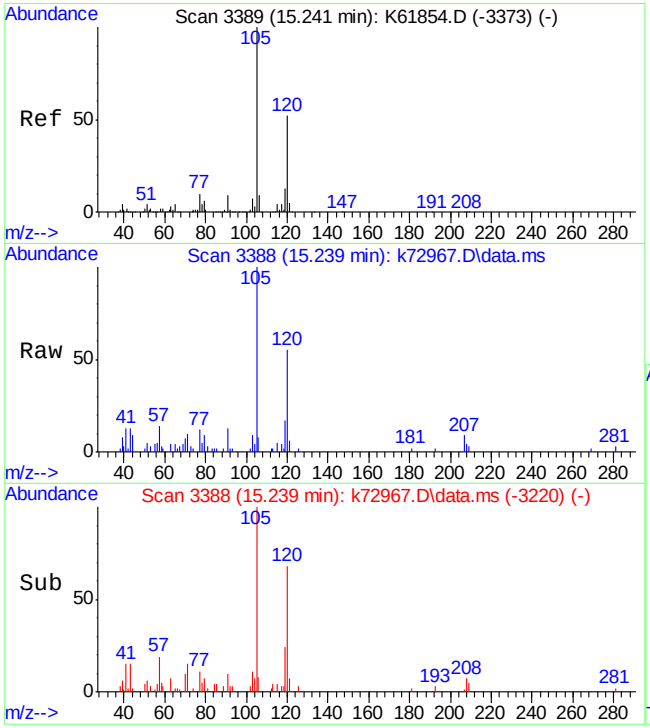


#86
isopropylbenzene
Concen: 0.28 ug/kg
RT: 14.108 min Scan# 3067
Delta R.T. 0.000 min
Lab File: k72967.D
Acq: 8 Aug 2013 5:08 pm

Tgt Ion:105 Resp: 5014

Ion	Ratio	Lower	Upper
105	100		
120	22.5	0.0	58.8

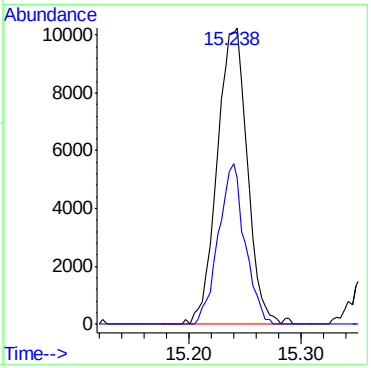


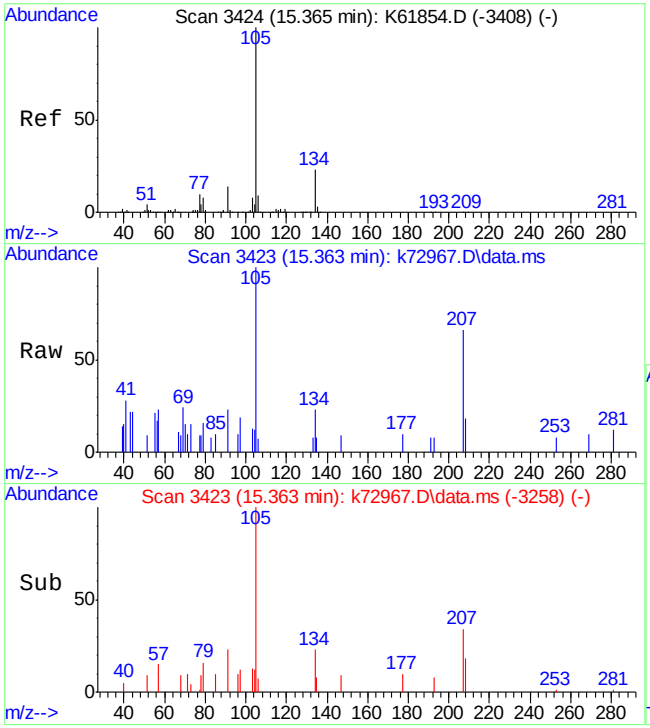


#96
1,2,4-trimethylbenzene
Concen: 1.32 ug/kg
RT: 15.238 min Scan# 3388
Delta R.T. 0.000 min
Lab File: k72967.D
Acq: 8 Aug 2013 5:08 pm

Tgt Ion:105 Resp: 19160

Ion	Ratio	Lower	Upper
105	100		
120	55.2	21.1	81.1

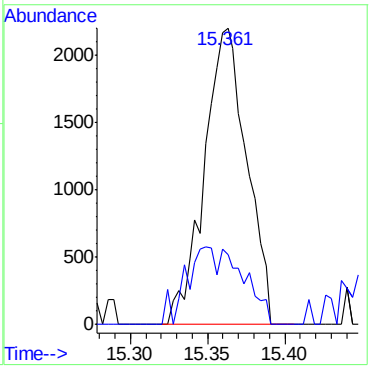




#97
sec-butylbenzene
Concen: 0.23 ug/kg
RT: 15.361 min Scan# 3423
Delta R.T. -0.001 min
Lab File: k72967.D
Acq: 8 Aug 2013 5:08 pm

Tgt Ion:105 Resp: 4203

Ion	Ratio	Lower	Upper
105	100		
134	23.5	0.0	51.7



LSC Area Percent Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72967.D
Acq On : 8 Aug 2013 5:08 pm
Operator : GaryK
Sample : mc23272-1
Misc : ms29620tic,msk2375,10.505,,100,10,1
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\K130807S.m
Title : SW-846 Method 8260

Signal : TIC: k72967.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.704	672	686	701	rBV4	36039	125051	7.13%	0.927%
2	6.096	783	797	820	rBV2	84656	267515	15.25%	1.983%
3	6.414	872	887	902	rBV2	27153	92150	5.25%	0.683%
4	7.384	1143	1162	1181	rBV4	68239	222102	12.66%	1.647%
5	7.681	1231	1246	1247	rBV	57280	82858	4.72%	0.614%
6	7.988	1317	1333	1351	rBV	187807	460293	26.23%	3.412%
7	8.464	1453	1468	1492	rBV2	272969	621413	35.41%	4.607%
8	8.676	1523	1528	1541	rVB4	12130	24618	1.40%	0.183%
9	8.834	1559	1573	1592	rBV2	402566	883562	50.35%	6.550%
10	9.367	1707	1724	1742	rBV3	75084	203277	11.58%	1.507%
11	9.484	1745	1757	1766	rVV5	26764	65046	3.71%	0.482%
12	9.558	1767	1778	1800	rVV2	118327	295133	16.82%	2.188%
13	9.685	1800	1814	1829	rVV	513135	1032401	58.84%	7.654%
14	9.784	1830	1842	1857	rVV5	12974	35403	2.02%	0.262%
15	9.995	1878	1902	1916	rBV3	202111	430102	24.51%	3.189%
16	10.115	1926	1936	1938	rBV7	21190	29027	1.65%	0.215%
17	10.645	2068	2086	2087	rBV8	10346	18369	1.05%	0.136%
18	10.811	2121	2133	2145	rBV3	18266	35725	2.04%	0.265%
19	11.248	2234	2257	2264	rBV3	63024	165450	9.43%	1.227%
20	11.291	2265	2269	2282	rVV4	43394	81060	4.62%	0.601%
21	11.404	2285	2301	2310	rVV3	110969	263857	15.04%	1.956%
22	11.478	2310	2322	2335	rVV	859913	1754668	100.00%	13.008%
23	11.548	2335	2342	2353	rVB	33358	64589	3.68%	0.479%
24	11.831	2410	2422	2436	rVV2	161109	308555	17.58%	2.287%
25	12.487	2598	2608	2615	rBV3	13975	29313	1.67%	0.217%
26	12.854	2702	2712	2716	rBV7	11845	20910	1.19%	0.155%
27	12.942	2716	2737	2755	rVB2	700721	1540916	87.82%	11.424%
28	13.048	2755	2767	2780	rVB2	88308	170843	9.74%	1.267%
29	13.143	2784	2794	2805	rBV2	26627	52461	2.99%	0.389%
30	13.323	2835	2845	2863	rBV3	29023	72837	4.15%	0.540%
31	13.443	2867	2879	2890	rVB3	123196	222903	12.70%	1.653%
32	13.743	2956	2964	2977	rVB8	19351	41146	2.34%	0.305%
33	14.004	3030	3038	3048	rVB5	16408	31587	1.80%	0.234%
34	14.103	3059	3066	3070	rBV6	13147	18395	1.05%	0.136%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72967.D
Acq On : 8 Aug 2013 5:08 pm
Operator : GaryK
Sample : mc23272-1
Misc : ms29620tic,msk2375,10.505,,100,10,1
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\K130807S.m
Title : SW-846 Method 8260

35	14.160	3071	3082	3098	rVB	679799	1271579	72.47%	9.427%
36	14.297	3112	3121	3126	rBV3	21822	38820	2.21%	0.288%
37	14.347	3126	3135	3138	rBV4	23220	39007	2.22%	0.289%
38	14.516	3162	3183	3190	rBV2	50337	125949	7.18%	0.934%
39	14.661	3216	3224	3231	rBV2	15819	26234	1.50%	0.194%
40	14.876	3276	3285	3296	rVV2	91281	155798	8.88%	1.155%
41	14.989	3307	3317	3327	rVB3	16991	35402	2.02%	0.262%
42	15.236	3378	3387	3395	rVB4	30144	56399	3.21%	0.418%
43	15.310	3399	3408	3418	rVB4	10956	21225	1.21%	0.157%
44	15.501	3443	3462	3478	rBV	772083	1440673	82.11%	10.681%
45	15.652	3496	3505	3510	rBV6	32543	60499	3.45%	0.449%
46	15.691	3513	3516	3522	rVV5	33135	46363	2.64%	0.344%
47	15.733	3523	3528	3537	rVB4	22288	35347	2.01%	0.262%
48	15.832	3549	3556	3562	rBV2	25288	40241	2.29%	0.298%
49	15.945	3580	3588	3597	rBV3	14548	28496	1.62%	0.211%
50	16.157	3639	3648	3657	rBV2	81308	141651	8.07%	1.050%
51	16.707	3798	3804	3813	rVB6	18427	32481	1.85%	0.241%
52	16.884	3849	3854	3860	rVB7	16898	21561	1.23%	0.160%
53	17.025	3889	3894	3901	rVB5	18915	28102	1.60%	0.208%
54	17.314	3968	3976	3986	rBV4	40903	79409	4.53%	0.589%

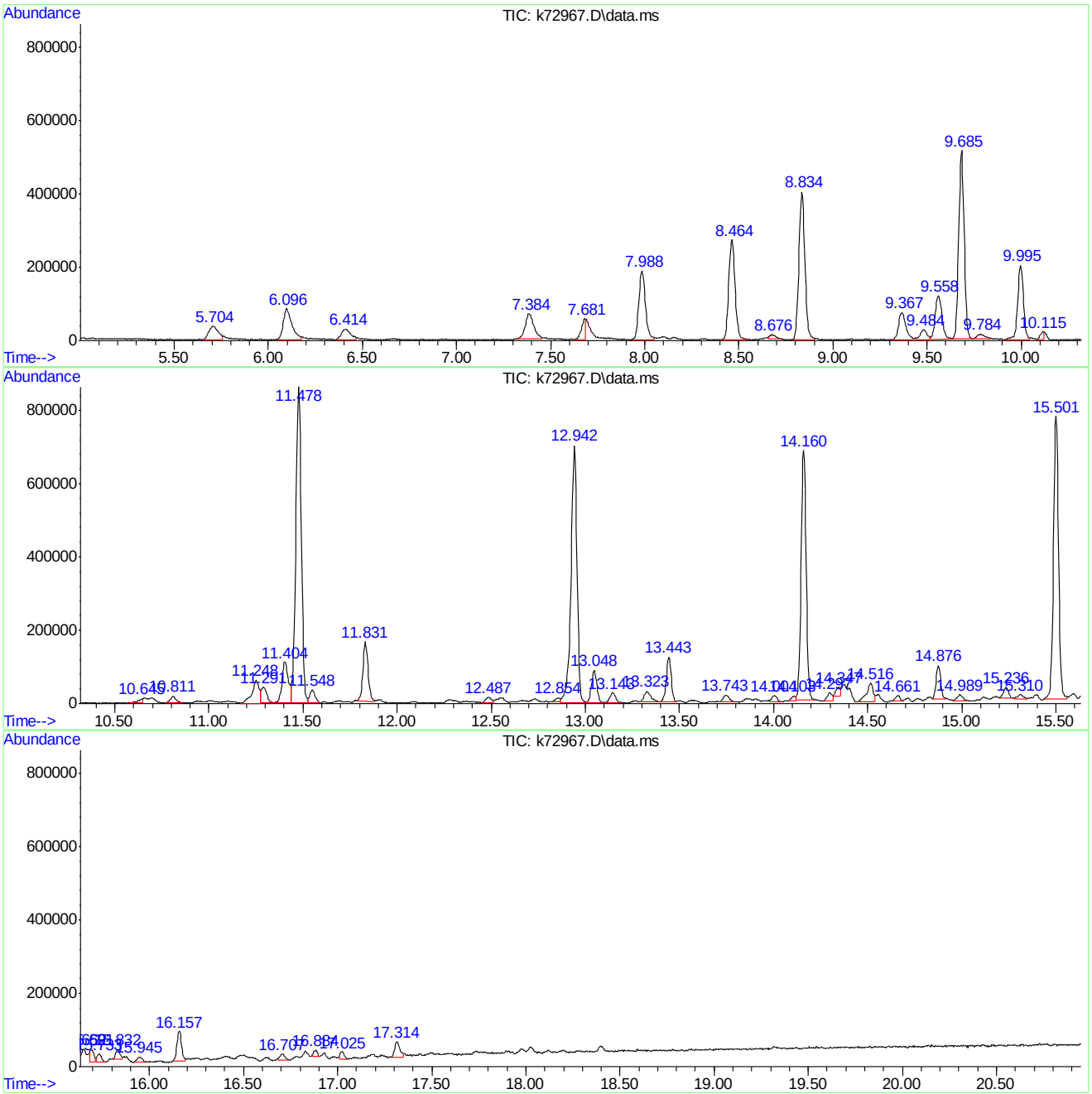
Sum of corrected areas: 13488771

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\130808\
Data File : k72967.D
Acq On : 8 Aug 2013 5:08 pm
Operator : GaryK
Sample : mc23272-1
Misc : ms29620tic,msk2375,10.505,,100,10,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



ACCUTEST LABORATORIES MC23272

Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72967.D
Acq On : 8 Aug 2013 5:08 pm
Operator : GaryK
Sample : mc23272-1
Misc : ms29620tic,msk2375,10.505,,100,10,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

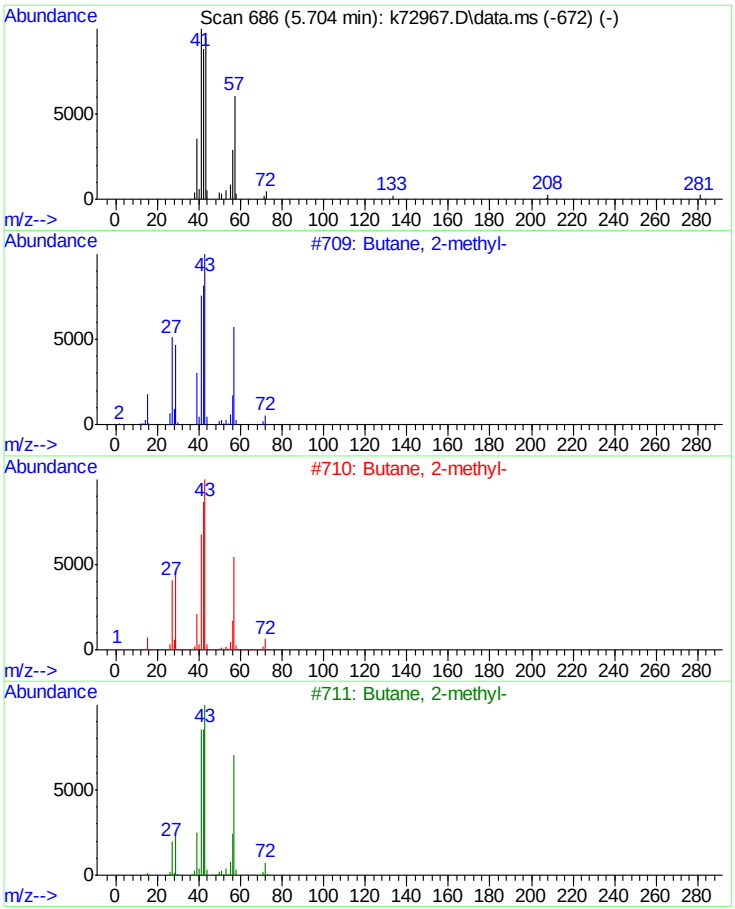
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

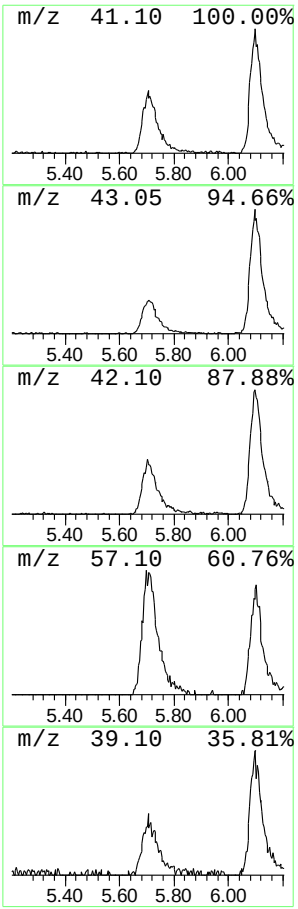
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.704	678.52 ug/kg	125051	Tert butyl alcohol-d9	6.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	86
2	Butane, 2-methyl-	72	C5H12	000078-78-4	64
3	Butane, 2-methyl-	72	C5H12	000078-78-4	47
4	Pentane	72	C5H12	000109-66-0	33
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	10





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72967.D
Acq On : 8 Aug 2013 5:08 pm
Operator : GaryK
Sample : mc23272-1
Misc : ms29620tic,msk2375,10.505,,100,10,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

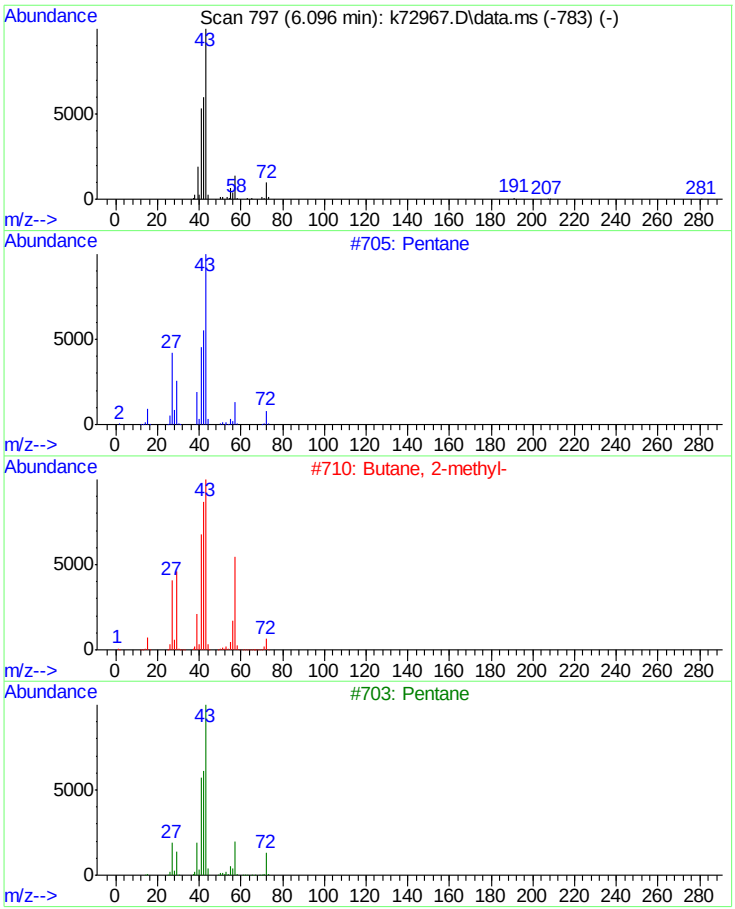
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

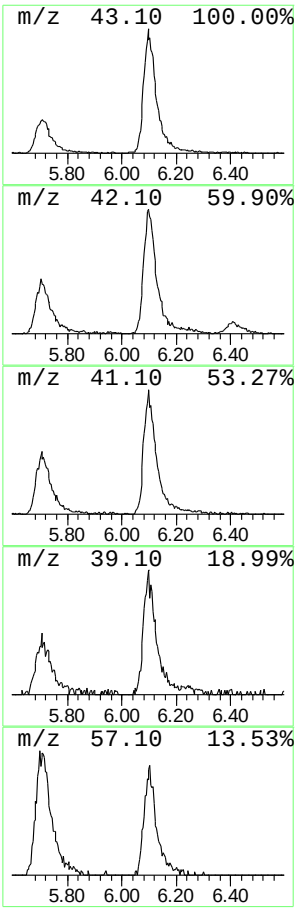
****

Peak Number 2 Pentane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.096	1451.52 ug/kg	267515	Tert butyl alcohol-d9	6.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Butane, 2-methyl-	72	C5H12	000078-78-4	72
3	Pentane	72	C5H12	000109-66-0	72
4	Pentane	72	C5H12	000109-66-0	72
5	Butane, 2-methyl-	72	C5H12	000078-78-4	53





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72967.D
Acq On : 8 Aug 2013 5:08 pm
Operator : GaryK
Sample : mc23272-1
Misc : ms29620tic,msk2375,10.505,,100,10,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

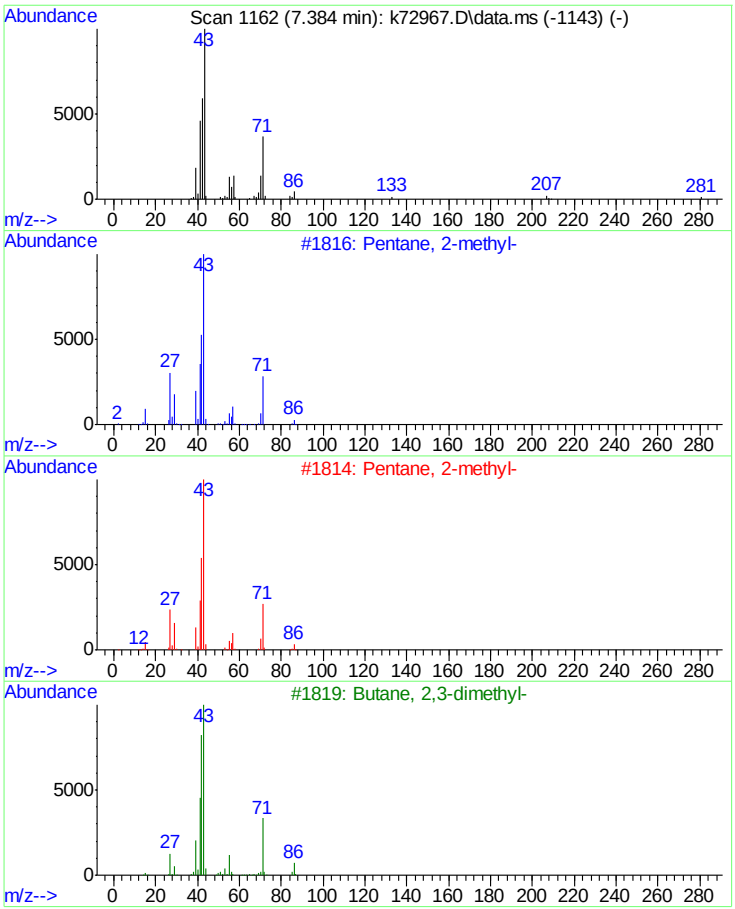
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

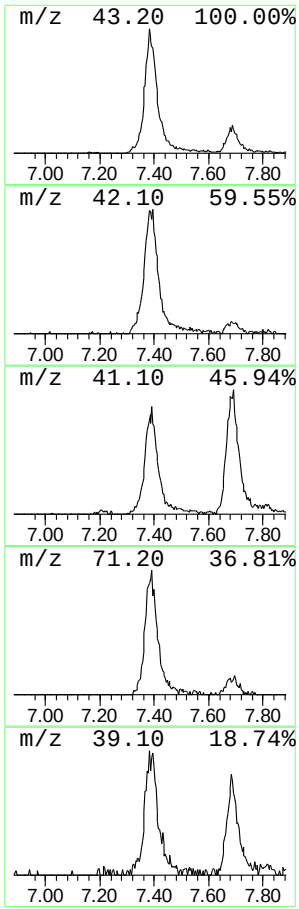
****

Peak Number 3 Pentane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.384	1205.11 ug/kg	222102	Tert butyl alcohol-d9	6.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	87
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	86
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	64
4	trans-2,3-Epoxydecane	156	C10H20O	054125-39-2	53
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	52





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72967.D
Acq On : 8 Aug 2013 5:08 pm
Operator : GaryK
Sample : mc23272-1
Misc : ms29620tic,msk2375,10.505,,100,10,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

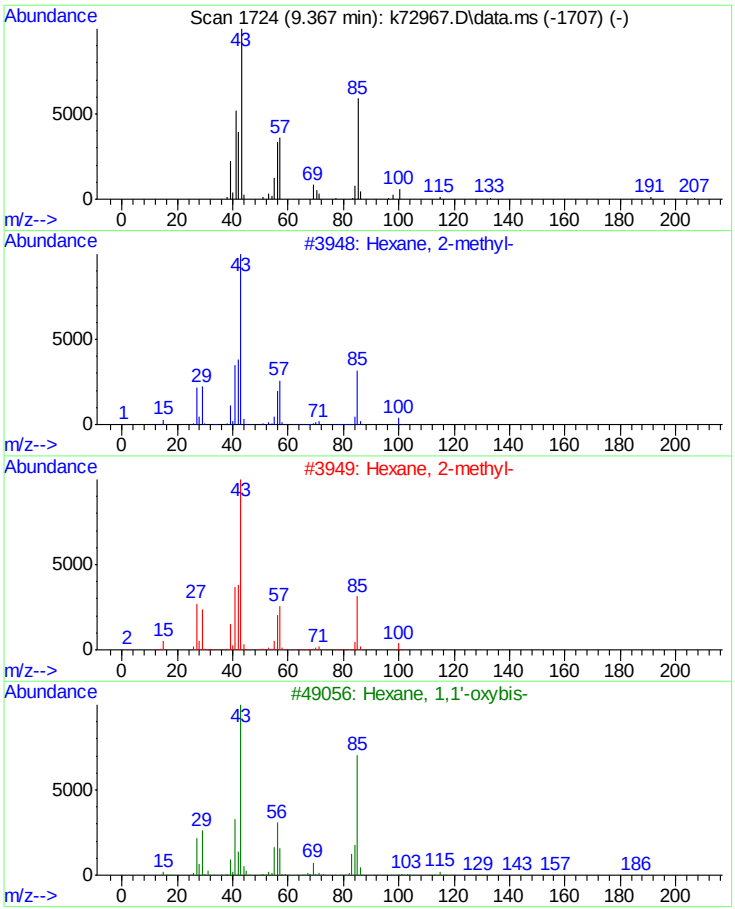
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

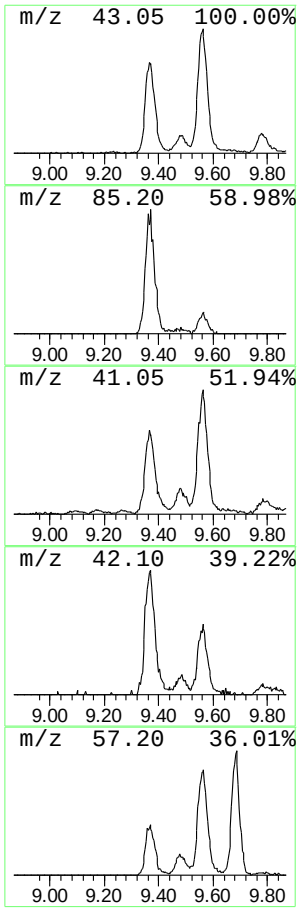
****

Peak Number 4 Hexane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.367	9.84 ug/kg	203277	1,4-difluorobenzene	9.684

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-	100	C7H16	000591-76-4	91
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	91
3	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	50
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	50
5	Sulfurous acid, hexyl nonyl ester	292	C15H32O3S	1000309-13-1	47





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72967.D
Acq On : 8 Aug 2013 5:08 pm
Operator : GaryK
Sample : mc23272-1
Misc : ms29620tic,msk2375,10.505,,100,10,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

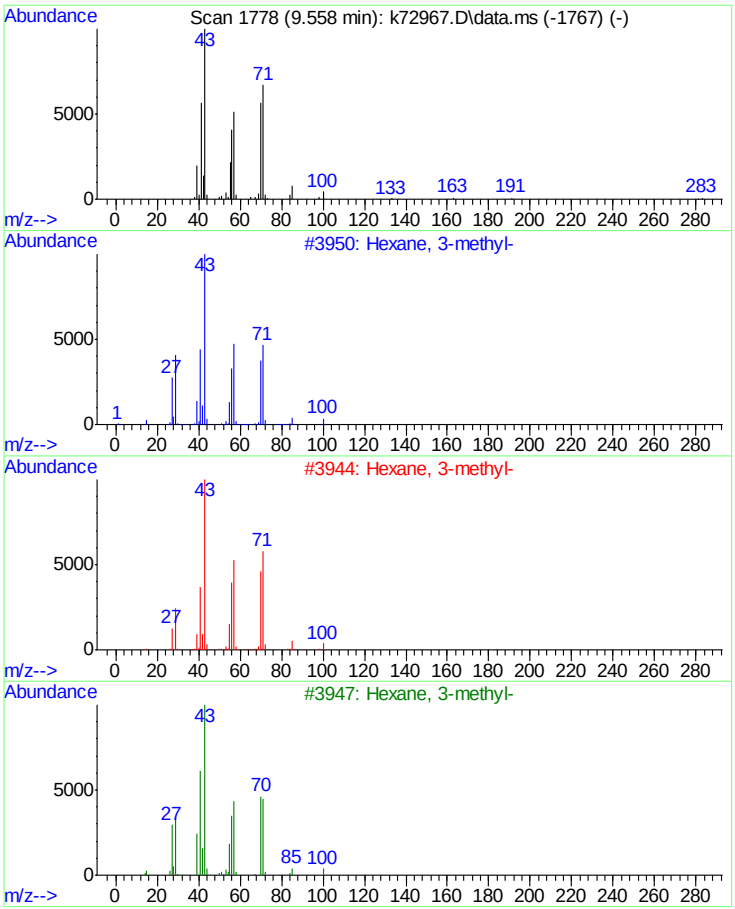
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

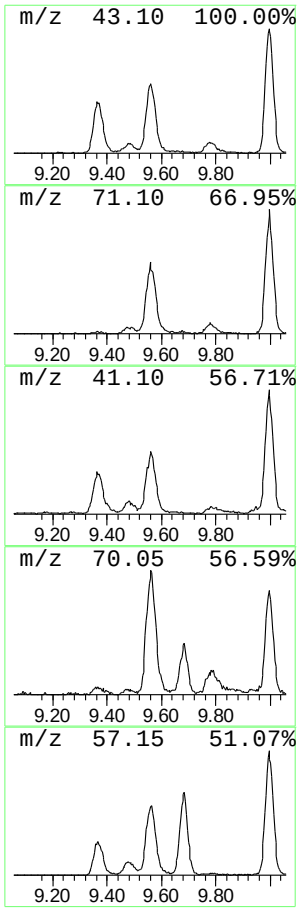
****

Peak Number 5 Hexane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.558	14.29 ug/kg	295133	1,4-difluorobenzene	9.684

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
4	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	53
5	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	50





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72967.D
Acq On : 8 Aug 2013 5:08 pm
Operator : GaryK
Sample : mc23272-1
Misc : ms29620tic,msk2375,10.505,,100,10,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

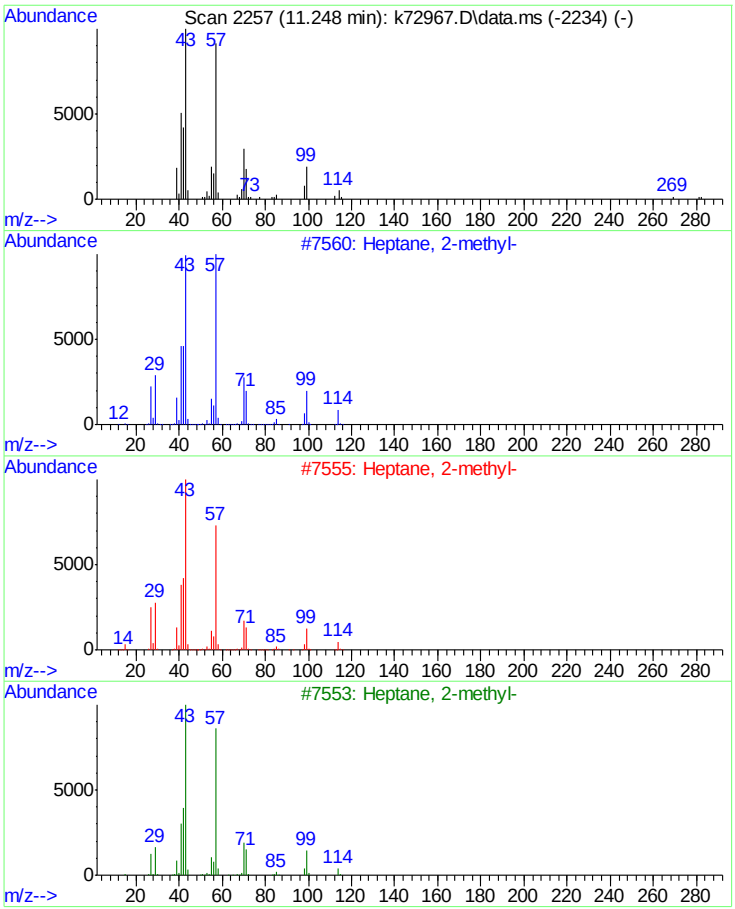
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

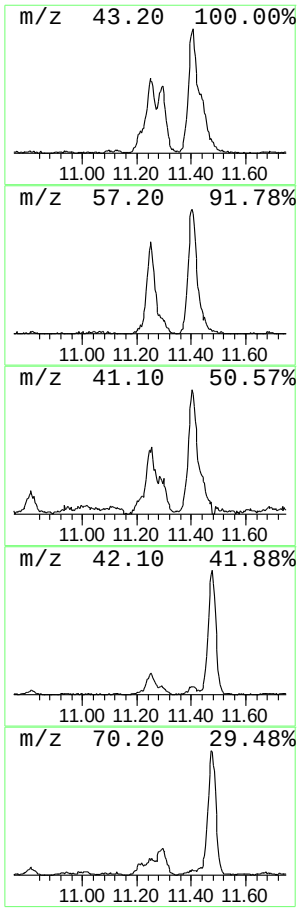
****

Peak Number 6 Heptane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.248	8.01 ug/kg	165450	1,4-difluorobenzene	9.684

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	83
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	81





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72967.D
Acq On : 8 Aug 2013 5:08 pm
Operator : GaryK
Sample : mc23272-1
Misc : ms29620tic,msk2375,10.505,,100,10,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

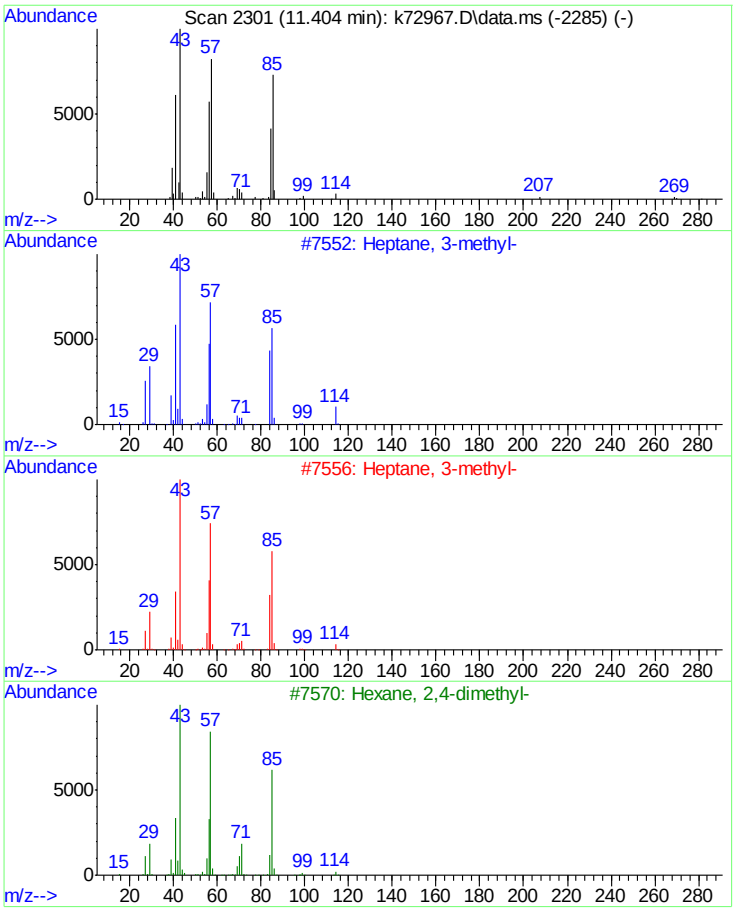
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

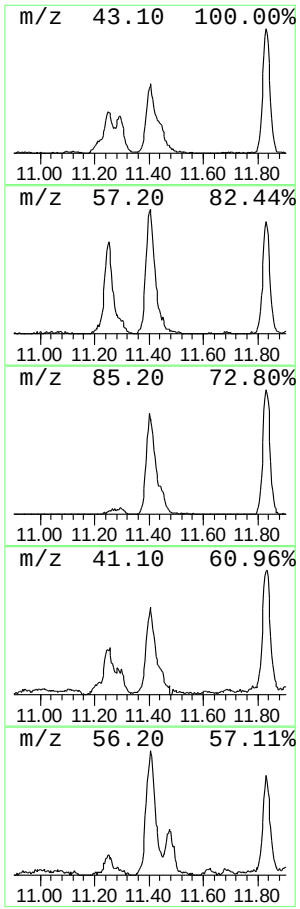
****

Peak Number 7 Heptane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.403	8.56 ug/kg	263857	chlorobenzene-d5	12.942

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	94
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	80
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	62
4	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	53
5	Hexane, 2-methyl-	100	C7H16	000591-76-4	53





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72967.D
Acq On : 8 Aug 2013 5:08 pm
Operator : GaryK
Sample : mc23272-1
Misc : ms29620tic,msk2375,10.505,,100,10,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

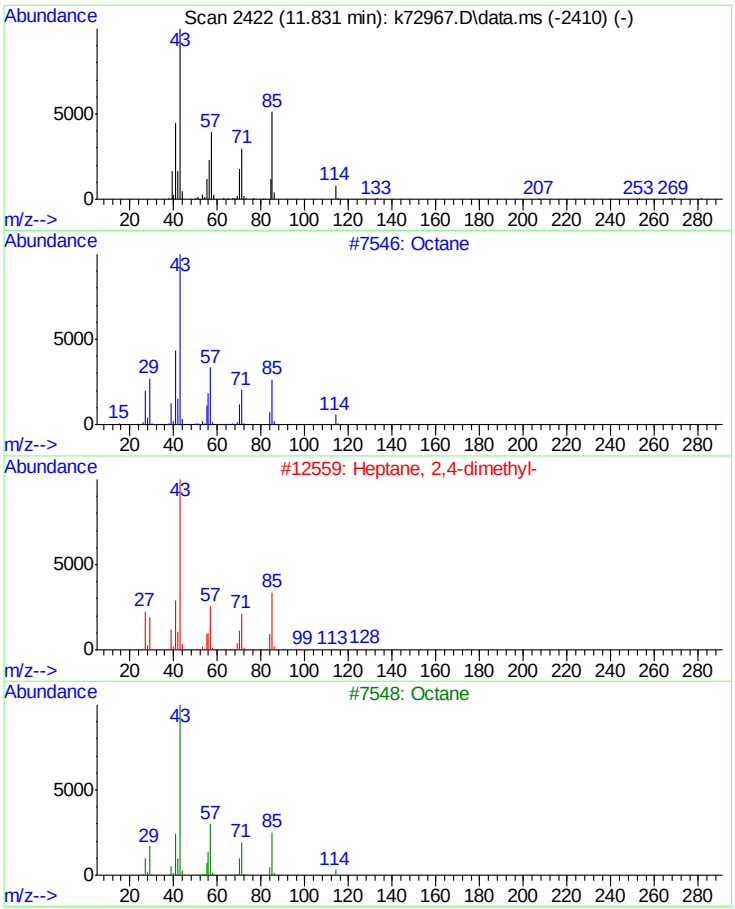
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

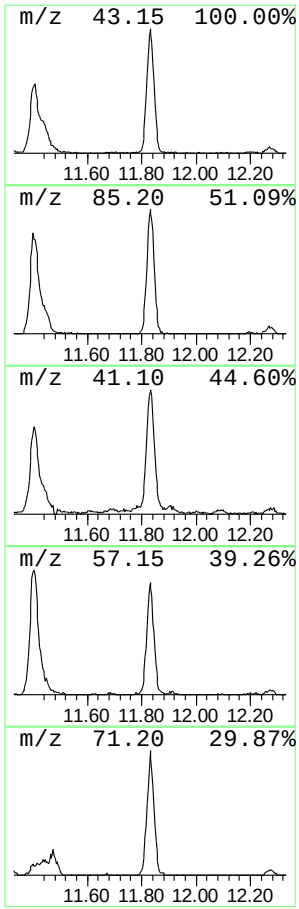
****

Peak Number 8 Octane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.831	10.01 ug/kg	308555	chlorobenzene-d5	12.942

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	94
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	86
3	Octane	114	C8H18	000111-65-9	81
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72967.D
Acq On : 8 Aug 2013 5:08 pm
Operator : GaryK
Sample : mc23272-1
Misc : ms29620tic,msk2375,10.505,,100,10,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

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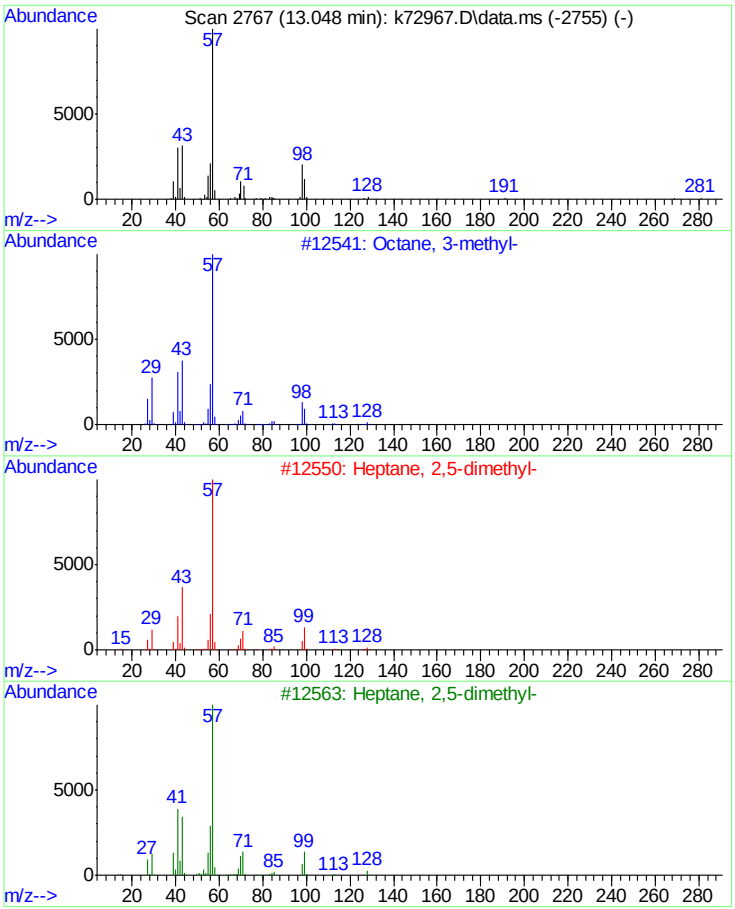
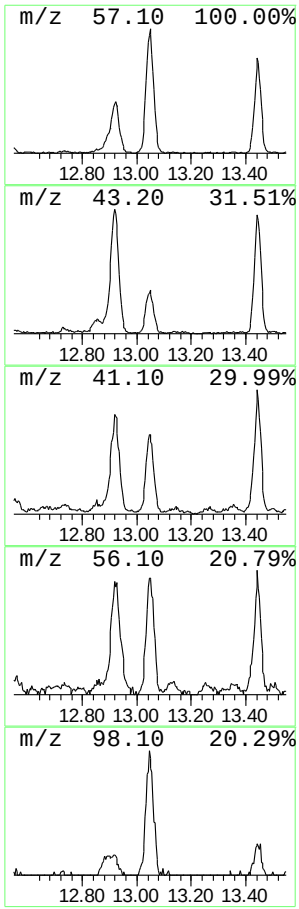
Peak Number 9 Octane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.048	5.54 ug/kg	170843	chlorobenzene-d5	12.942

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	68
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	68
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
4	Octane, 3-methyl-	128	C9H20	002216-33-3	64
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	62





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72967.D
Acq On : 8 Aug 2013 5:08 pm
Operator : GaryK
Sample : mc23272-1
Misc : ms29620tic,msk2375,10.505,,100,10,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

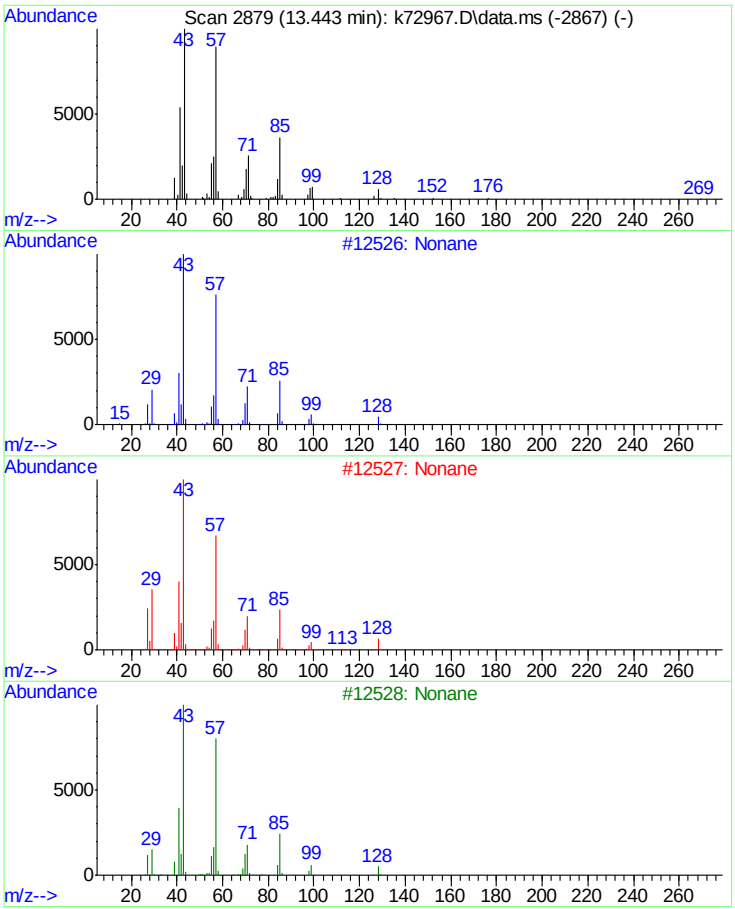
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

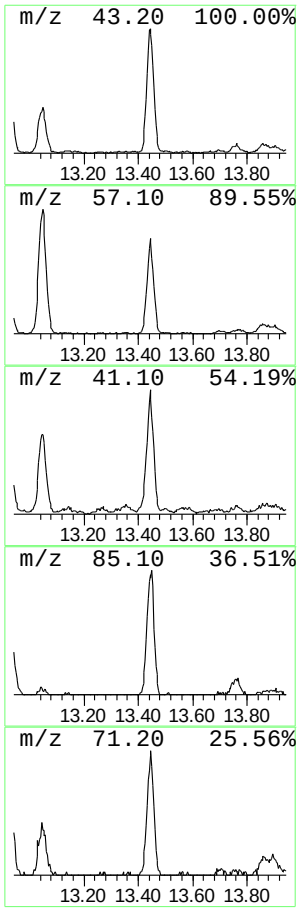
****

Peak Number 10 Nonane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.443	7.23 ug/kg	222903	chlorobenzene-d5	12.942

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	93
2	Nonane	128	C9H20	000111-84-2	87
3	Nonane	128	C9H20	000111-84-2	83
4	Undecane	156	C11H24	001120-21-4	64
5	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	59





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\130808\
Data File : k72967.D
Acq On : 8 Aug 2013 5:08 pm
Operator : GaryK
Sample : mc23272-1
Misc : ms29620tic,msk2375,10.505,,100,10,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	5.704	678.5	ug/kg	125051	1	6.421	92150	500.0
Pentane	6.096	1451.5	ug/kg	267515	1	6.421	92150	500.0
Pentane, 2-methyl-	7.384	1205.1	ug/kg	222102	1	6.421	92150	500.0
Hexane, 2-methyl-	9.367	9.8	ug/kg	203277	3	9.684	1032400	50.0
Hexane, 3-methyl-	9.558	14.3	ug/kg	295133	3	9.684	1032400	50.0
Heptane, 2-methyl-	11.248	8.0	ug/kg	165450	3	9.684	1032400	50.0
Heptane, 3-methyl-	11.403	8.6	ug/kg	263857	4	12.942	1540920	50.0
Octane	11.831	10.0	ug/kg	308555	4	12.942	1540920	50.0
Octane, 3-methyl-	13.048	5.5	ug/kg	170843	4	12.942	1540920	50.0
Nonane	13.443	7.2	ug/kg	222903	4	12.942	1540920	50.0

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/16/13 07:43

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72968.D
Acq On : 8 Aug 2013 5:35 pm
Operator : GaryK
Sample : mc23272-2
Misc : ms29620,msk2375,11.431,,100,10,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 09 07:53:37 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

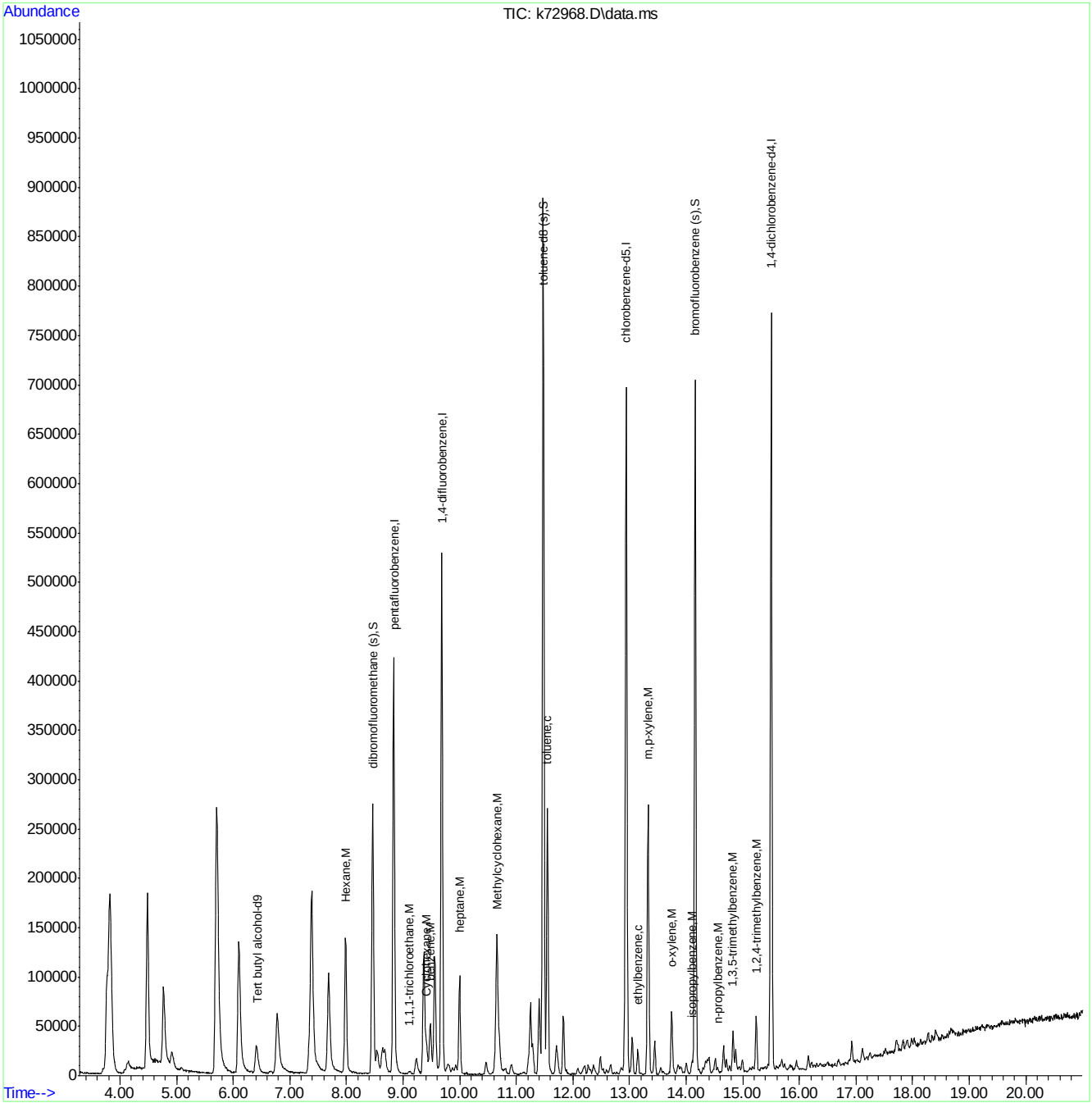
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.422	65	56225	500.00	ug/kg	0.00
4) pentafluorobenzene	8.837	168	368717	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.684	114	543126	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.942	82	218125	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	261058	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.466	113	204996	53.71	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.42%			
63) toluene-d8 (s)	11.477	98	717410	52.69	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.38%			
87) bromofluorobenzene (s)	14.160	95	257400	51.59	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.18%			
Target Compounds						Qvalue
32) Hexane	7.991	41	65196	15.63	ug/kg	91
43) 1,1,1-trichloroethane	9.115	97	2648	0.53	ug/kg	87
46) Cyclohexane	9.410	56	18430m	4.34	ug/kg	
49) benzene	9.485	78	18541	1.38	ug/kg	93
52) heptane	9.996	43	46744	13.05	ug/kg	84
58) Methylcyclohexane	10.666	83	78261	15.43	ug/kg	94
65) toluene	11.550	92	137635	15.21	ug/kg	98
78) ethylbenzene	13.148	91	22462	1.39	ug/kg	98
79) m,p-xylene	13.327	106	110175	16.03	ug/kg	98
80) o-xylene	13.744	106	21735	3.20	ug/kg	90
86) isopropylbenzene	14.111	105	6278	0.36	ug/kg	97
91) n-propylbenzene	14.556	91	5739	0.30	ug/kg	83
94) 1,3,5-trimethylbenzene	14.827	105	27677	1.95	ug/kg	97
96) 1,2,4-trimethylbenzene	15.239	105	34645	2.41	ug/kg	97

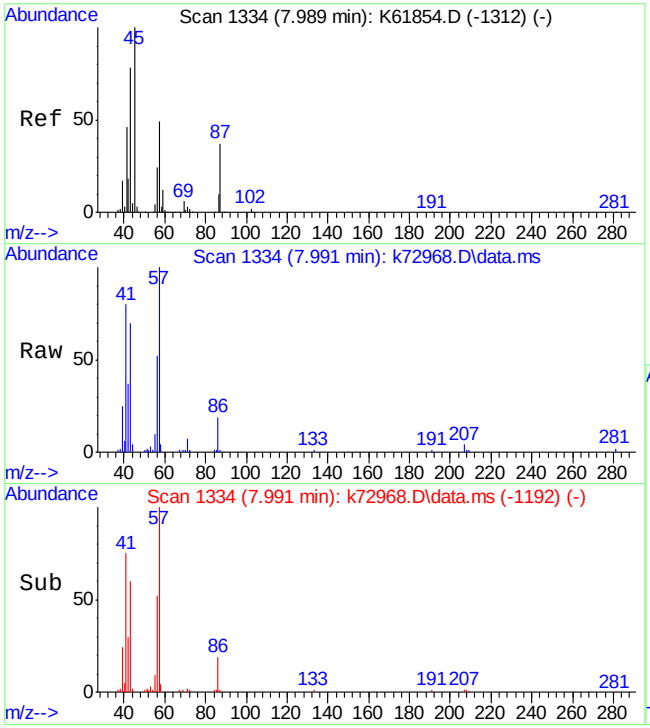
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72968.D
Acq On : 8 Aug 2013 5:35 pm
Operator : GaryK
Sample : mc23272-2
Misc : ms29620,msk2375,11.431,,100,10,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 09 07:53:37 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

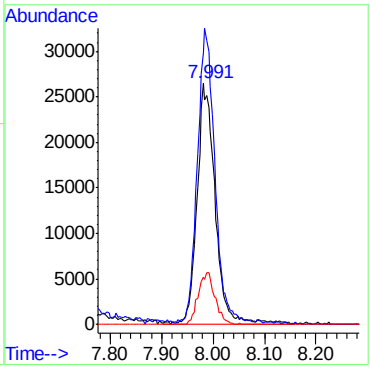


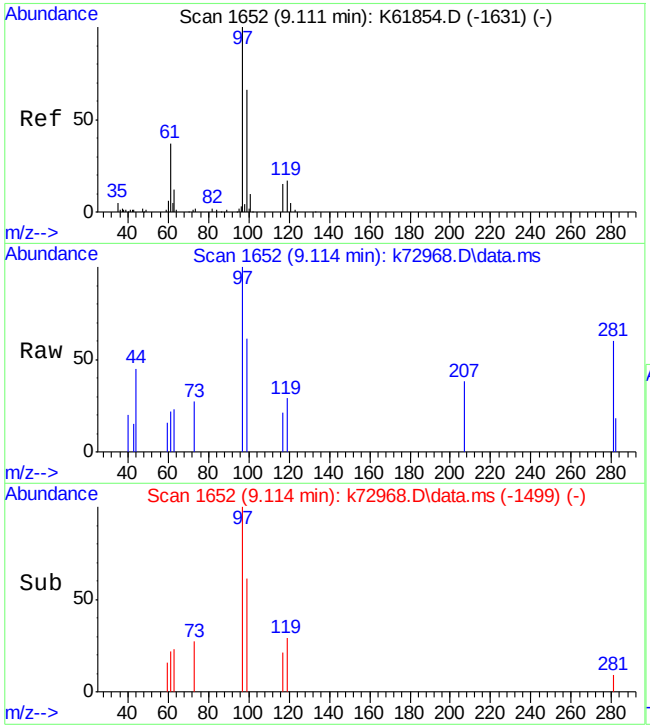


#32
Hexane
Concen: 15.63 ug/kg
RT: 7.991 min Scan# 1334
Delta R.T. -0.001 min
Lab File: k72968.D
Acq: 8 Aug 2013 5:35 pm

Tgt Ion: 41 Resp: 65196

Ion	Ratio	Lower	Upper
41	100		
57	124.9	91.4	137.0
86	23.7	17.4	26.0

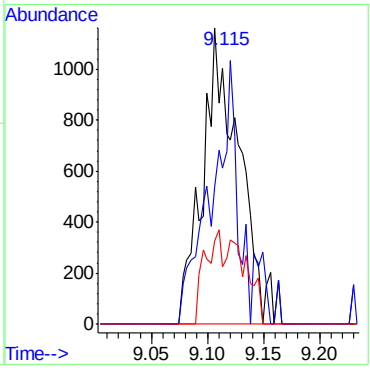


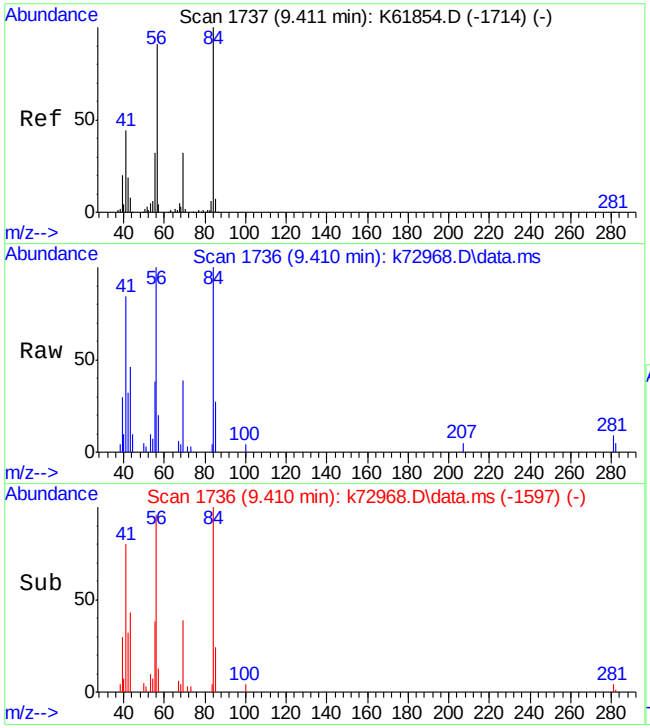


#43
1,1,1-trichloroethane
Concen: 0.53 ug/kg
RT: 9.115 min Scan# 1652
Delta R.T. -0.008 min
Lab File: k72968.D
Acq: 8 Aug 2013 5:35 pm

Tgt Ion: 97 Resp: 2648

Ion	Ratio	Lower	Upper
97	100		
99	60.9	36.1	96.1
61	22.2	6.5	66.5

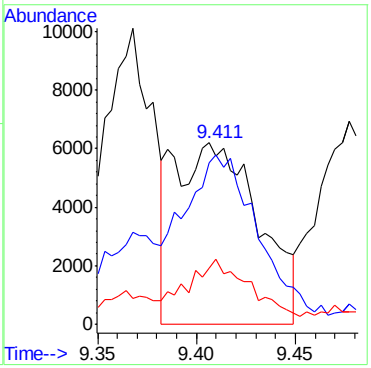


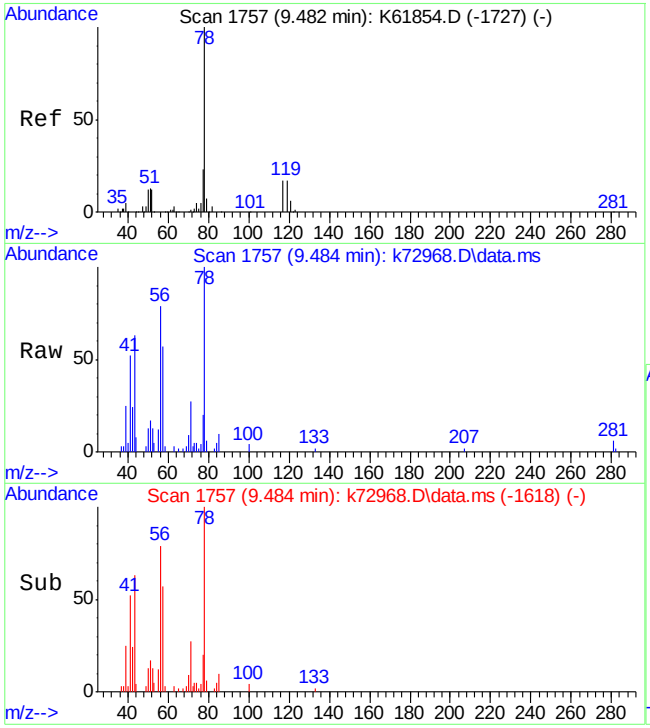


#46
Cyclohexane
Concen: 4.34 ug/kg m
RT: 9.410 min Scan# 1736
Delta R.T. -0.011 min
Lab File: k72968.D
Acq: 8 Aug 2013 5:35 pm

Tgt Ion: 56 Resp: 18430

Ion	Ratio	Lower	Upper
56	100		
84	100.2	81.2	121.8
69	38.9	27.7	41.5

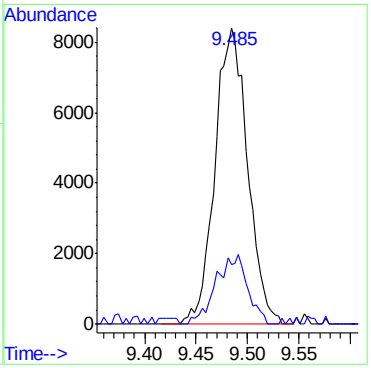


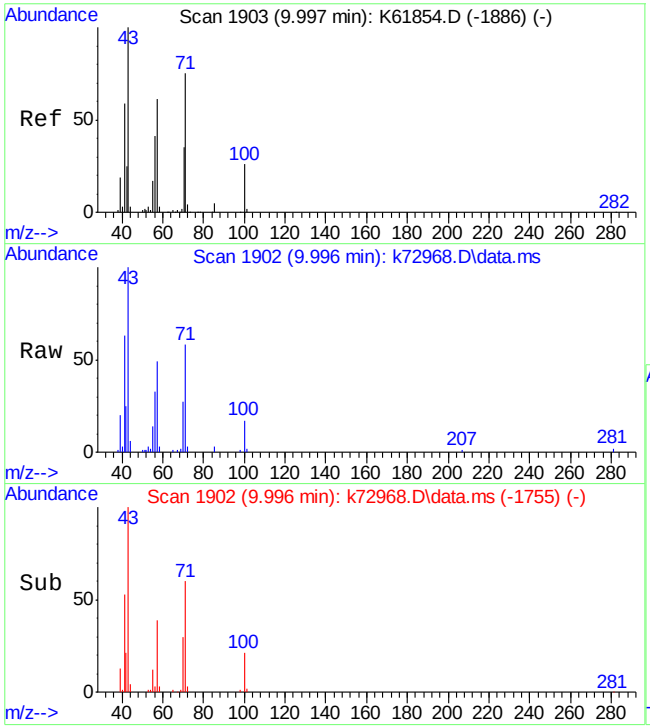


#49
benzene
Concen: 1.38 ug/kg
RT: 9.485 min Scan# 1757
Delta R.T. -0.000 min
Lab File: k72968.D
Acq: 8 Aug 2013 5:35 pm

Tgt Ion: 78 Resp: 18541

Ion	Ratio	Lower	Upper
78	100		
77	20.2	0.0	53.4

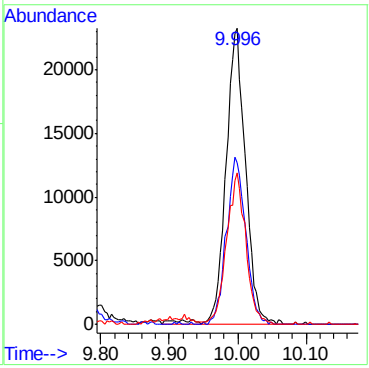


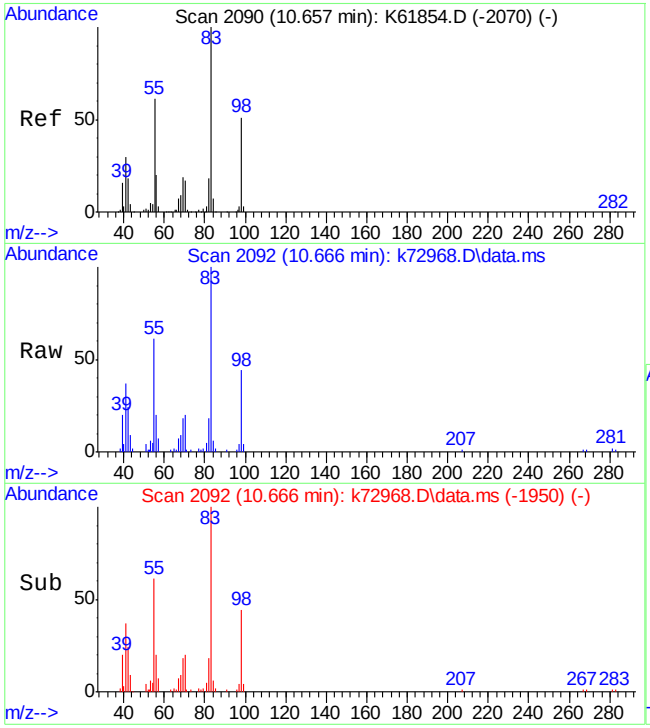


#52
heptane
Concen: 13.05 ug/kg
RT: 9.996 min Scan# 1902
Delta R.T. -0.001 min
Lab File: k72968.D
Acq: 8 Aug 2013 5:35 pm

Tgt Ion: 43 Resp: 46744

Ion	Ratio	Lower	Upper
43	100		
71	57.5	43.3	103.3
57	49.4	28.9	88.9

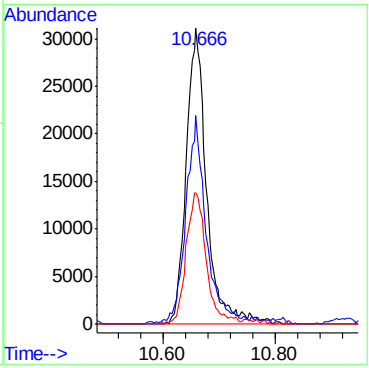


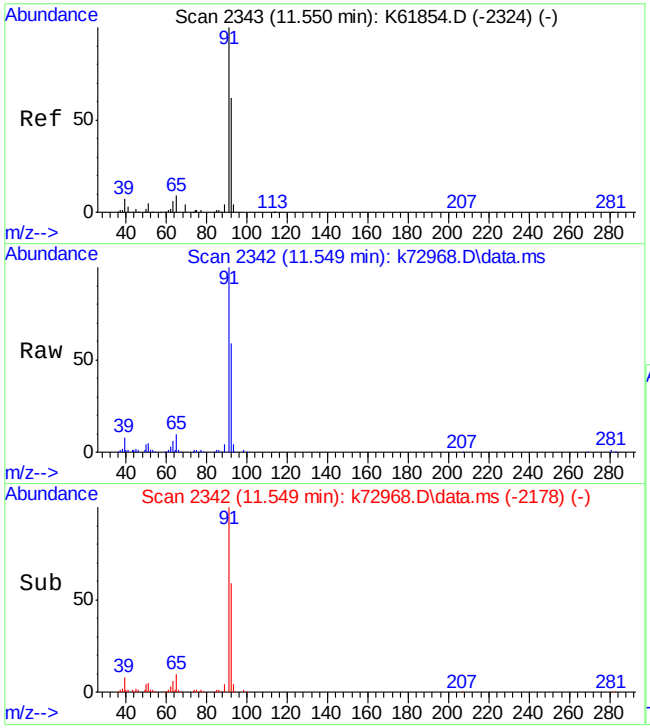


#58
Methylcyclohexane
Concen: 15.43 ug/kg
RT: 10.666 min Scan# 2092
Delta R.T. 0.002 min
Lab File: k72968.D
Acq: 8 Aug 2013 5:35 pm

Tgt Ion: 83 Resp: 78261

Ion	Ratio	Lower	Upper
83	100		
55	61.3	52.2	78.4
98	43.8	38.9	58.3

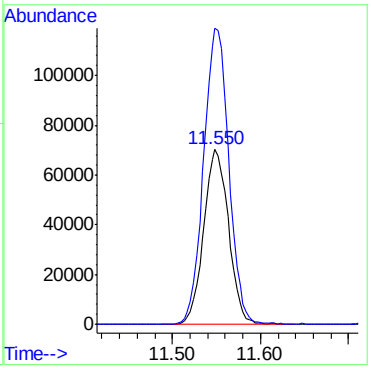


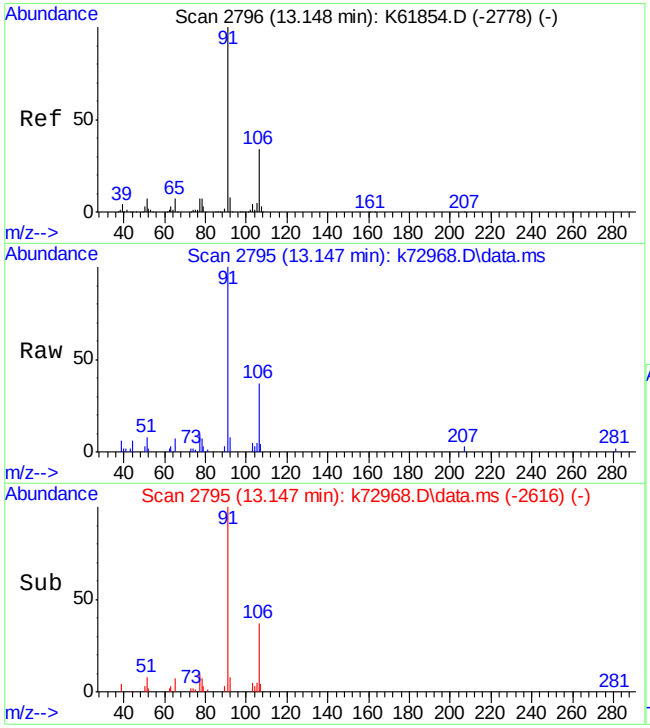


#65
toluene
Concen: 15.21 ug/kg
RT: 11.550 min Scan# 2342
Delta R.T. 0.001 min
Lab File: k72968.D
Acq: 8 Aug 2013 5:35 pm

Tgt Ion: 92 Resp: 137635

Ion	Ratio	Lower	Upper
92	100		
91	168.8	135.5	195.5

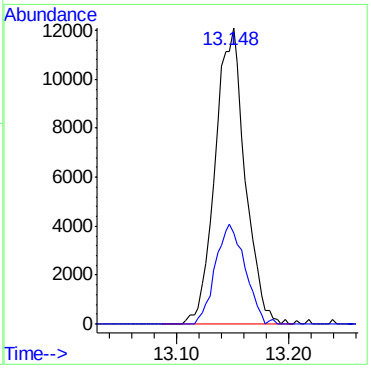


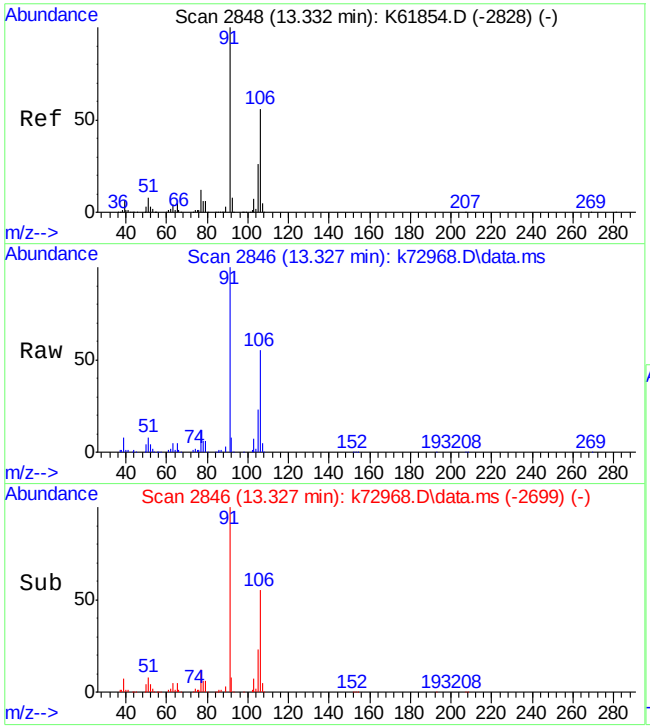


#78
ethylbenzene
Concen: 1.39 ug/kg
RT: 13.148 min Scan# 2795
Delta R.T. 0.001 min
Lab File: k72968.D
Acq: 8 Aug 2013 5:35 pm

Tgt Ion: 91 Resp: 22462

Ion	Ratio	Lower	Upper
91	100		
106	36.5	5.5	65.5

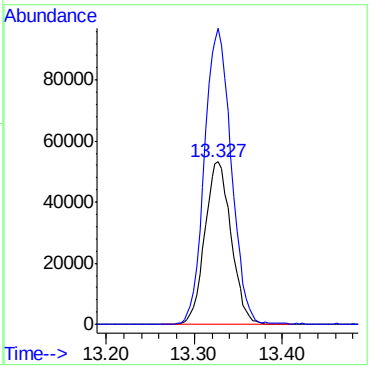


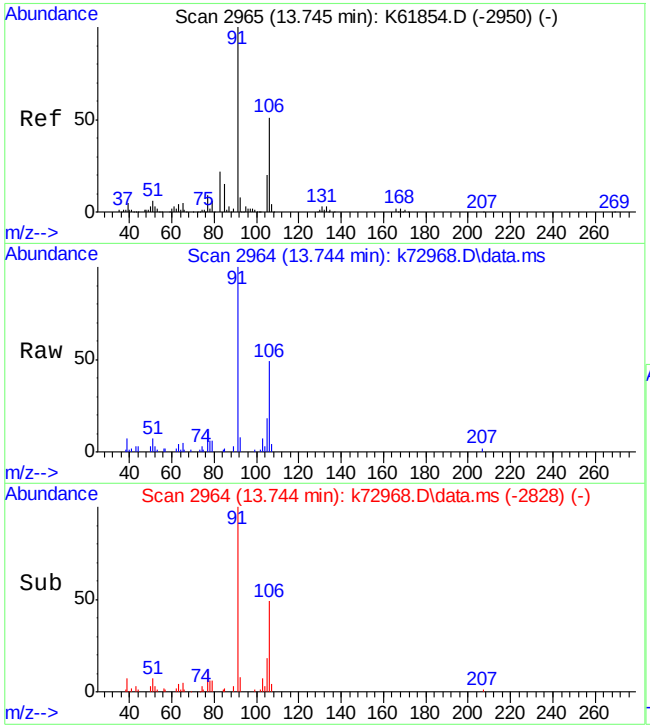


#79
m,p-xylene
Concen: 16.03 ug/kg
RT: 13.327 min Scan# 2846
Delta R.T. -0.003 min
Lab File: k72968.D
Acq: 8 Aug 2013 5:35 pm

Tgt Ion:106 Resp: 110175

Ion	Ratio	Lower	Upper
106	100		
91	182.4	150.2	210.2

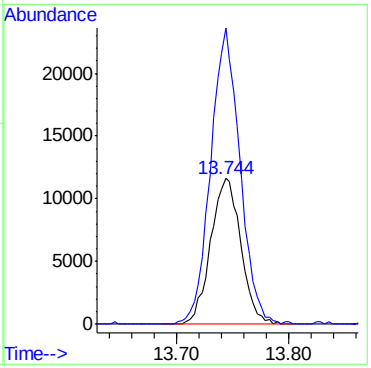


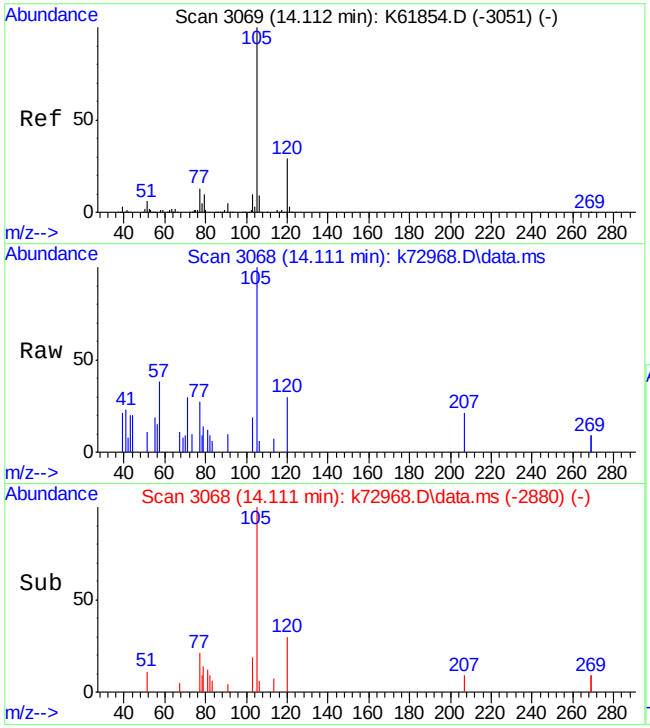


#80
o-xylene
Concen: 3.20 ug/kg
RT: 13.744 min Scan# 2964
Delta R.T. 0.001 min
Lab File: k72968.D
Acq: 8 Aug 2013 5:35 pm

Tgt Ion:106 Resp: 21735

Ion	Ratio	Lower	Upper
106	100		
91	203.5	159.4	219.4

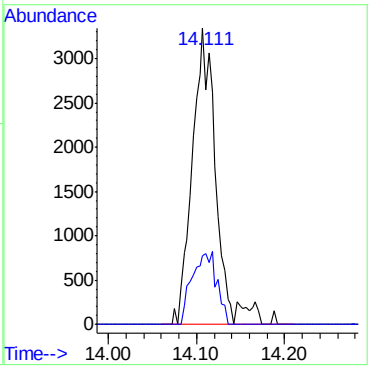


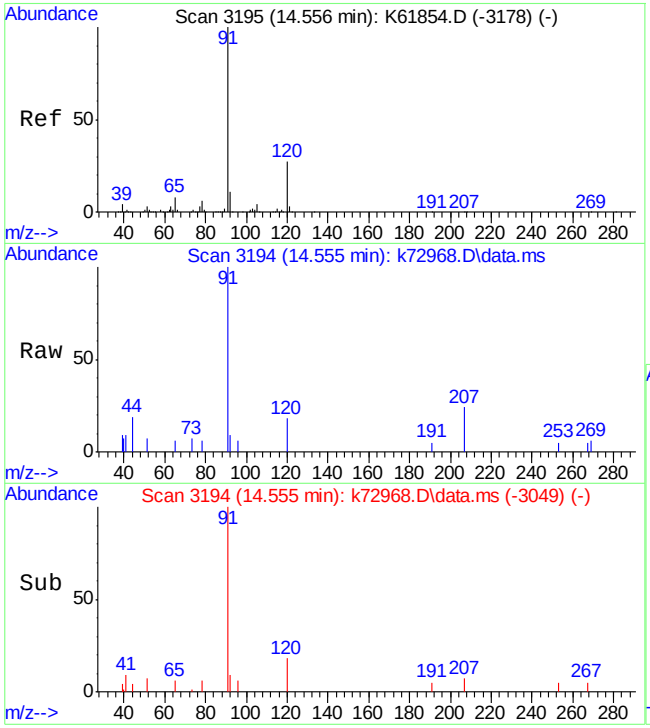


#86
isopropylbenzene
Concen: 0.36 ug/kg
RT: 14.111 min Scan# 3068
Delta R.T. 0.003 min
Lab File: k72968.D
Acq: 8 Aug 2013 5:35 pm

Tgt Ion:105 Resp: 6278

Ion	Ratio	Lower	Upper
105	100		
120	30.4	0.0	58.8

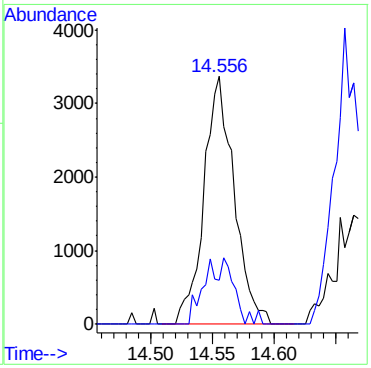


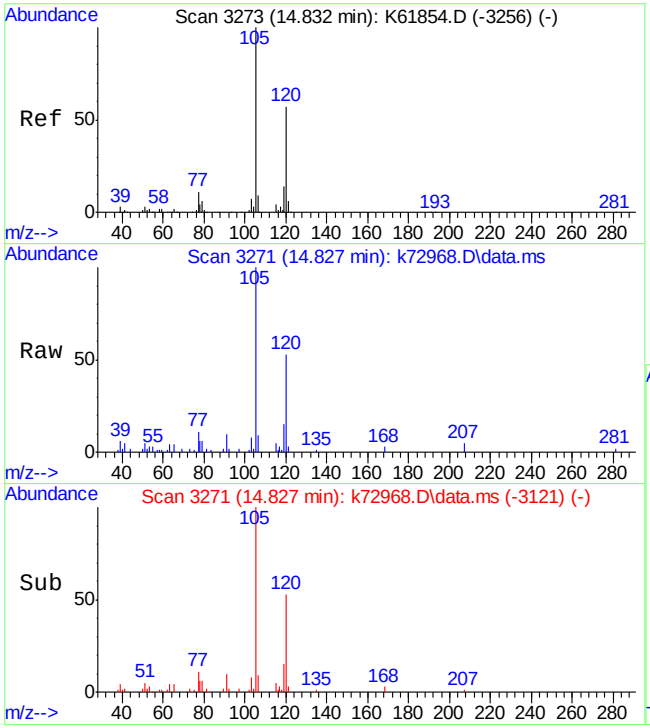


#91
n-propylbenzene
Concen: 0.30 ug/kg
RT: 14.556 min Scan# 3194
Delta R.T. 0.001 min
Lab File: k72968.D
Acq: 8 Aug 2013 5:35 pm

Tgt Ion: 91 Resp: 5739

Ion	Ratio	Lower	Upper
91	100		
120	17.8	0.0	56.5

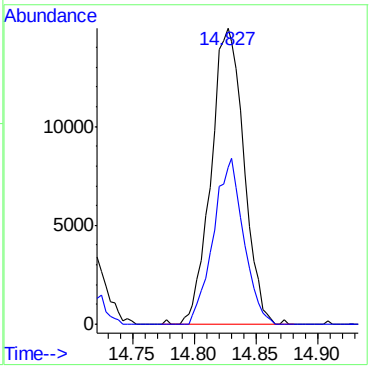


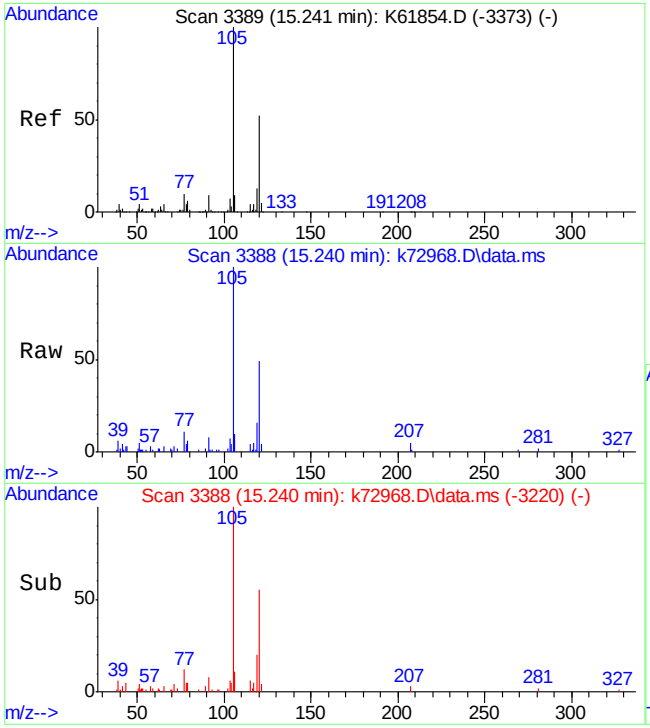


#94
1,3,5-trimethylbenzene
Concen: 1.95 ug/kg
RT: 14.827 min Scan# 3271
Delta R.T. -0.000 min
Lab File: k72968.D
Acq: 8 Aug 2013 5:35 pm

Tgt Ion:105 Resp: 27677

Ion	Ratio	Lower	Upper
105	100		
120	53.2	25.1	85.1

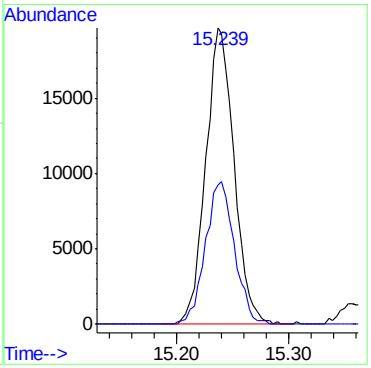




#96
1,2,4-trimethylbenzene
Concen: 2.41 ug/kg
RT: 15.239 min Scan# 3388
Delta R.T. 0.001 min
Lab File: k72968.D
Acq: 8 Aug 2013 5:35 pm

Tgt Ion:105 Resp: 34645

Ion	Ratio	Lower	Upper
105	100		
120	49.0	21.1	81.1



LSC Area Percent Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72968.D
Acq On : 8 Aug 2013 5:35 pm
Operator : GaryK
Sample : mc23272-2
Misc : ms29620tic,msk2375,11.431,,100,10,1
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\K130807S.m
Title : SW-846 Method 8260

Signal : TIC: k72968.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.712	667	688	718	rBV3	269666	1040738	59.25%	6.764%
2	6.100	782	798	828	rBV3	132419	438918	24.99%	2.853%
3	6.410	871	886	906	rBV2	27831	96510	5.49%	0.627%
4	6.774	972	989	990	rBV	60237	96785	5.51%	0.629%
5	7.388	1136	1163	1187	rBV	184762	680005	38.71%	4.420%
6	7.684	1232	1247	1273	rBV2	98458	307176	17.49%	1.996%
7	7.984	1318	1332	1348	rBV4	136104	320691	18.26%	2.084%
8	8.461	1453	1467	1481	rBV2	273468	629018	35.81%	4.088%
9	8.538	1485	1489	1504	rVB4	18217	39660	2.26%	0.258%
10	8.637	1505	1517	1522	rBV4	20507	45240	2.58%	0.294%
11	8.835	1559	1573	1589	rBV	419405	913859	52.03%	5.940%
12	9.230	1673	1685	1686	rBV2	15149	21272	1.21%	0.138%
13	9.368	1708	1724	1745	rBV3	123853	364085	20.73%	2.366%
14	9.481	1747	1756	1766	rVV4	49678	121019	6.89%	0.787%
15	9.558	1767	1778	1794	rVV3	116126	282352	16.08%	1.835%
16	9.682	1798	1813	1829	rVB	524218	1056421	60.15%	6.866%
17	9.999	1890	1903	1916	rVB3	98864	199349	11.35%	1.296%
18	10.465	2025	2035	2044	rBV3	12096	27941	1.59%	0.182%
19	10.659	2069	2090	2114	rBV6	140074	443633	25.26%	2.883%
20	11.252	2236	2258	2265	rBV3	72829	180731	10.29%	1.175%
21	11.404	2288	2301	2310	rBV2	76129	167007	9.51%	1.085%
22	11.474	2310	2321	2333	rVV	885357	1756453	100.00%	11.416%
23	11.549	2333	2342	2355	rVB	264973	513340	29.23%	3.336%
24	11.707	2373	2387	2403	rBV4	29324	80965	4.61%	0.526%
25	11.831	2412	2422	2435	rBV3	58706	111070	6.32%	0.722%
26	12.364	2564	2573	2583	rBV6	9212	21086	1.20%	0.137%
27	12.484	2594	2607	2617	rBV5	18138	38716	2.20%	0.252%
28	12.942	2719	2737	2753	rVB	694332	1422511	80.99%	9.246%
29	13.048	2753	2767	2777	rVB2	37705	74715	4.25%	0.486%
30	13.144	2785	2794	2804	rBV2	24777	46915	2.67%	0.305%
31	13.327	2832	2846	2862	rBV	273052	574032	32.68%	3.731%
32	13.444	2867	2879	2889	rVB3	33584	60066	3.42%	0.390%
33	13.744	2954	2964	2984	rVB2	63414	129618	7.38%	0.842%
34	14.001	3029	3037	3047	rVB7	10462	20472	1.17%	0.133%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72968.D
Acq On : 8 Aug 2013 5:35 pm
Operator : GaryK
Sample : mc23272-2
Misc : ms29620tic,msk2375,11.431,,100,10,1
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\K130807S.m
Title : SW-846 Method 8260

35	14.107	3054	3067	3068	rBV6	13683	19794	1.13%	0.129%
36	14.160	3071	3082	3098	rVB2	700257	1279123	72.82%	8.314%
37	14.513	3163	3182	3190	rBV5	14490	32847	1.87%	0.213%
38	14.658	3216	3223	3232	rBV2	25860	44131	2.51%	0.287%
39	14.714	3232	3239	3246	rVB3	12325	20600	1.17%	0.134%
40	14.827	3262	3271	3279	rBV2	40786	76604	4.36%	0.498%
41	14.876	3279	3285	3296	rVB3	21058	34349	1.96%	0.223%
42	15.236	3377	3387	3397	rVB	53755	97946	5.58%	0.637%
43	15.501	3450	3462	3478	rVB	766189	1396151	79.49%	9.074%
44	16.157	3638	3648	3656	rBV5	13845	25981	1.48%	0.169%
45	16.923	3858	3865	3877	rVB3	20625	35921	2.05%	0.233%

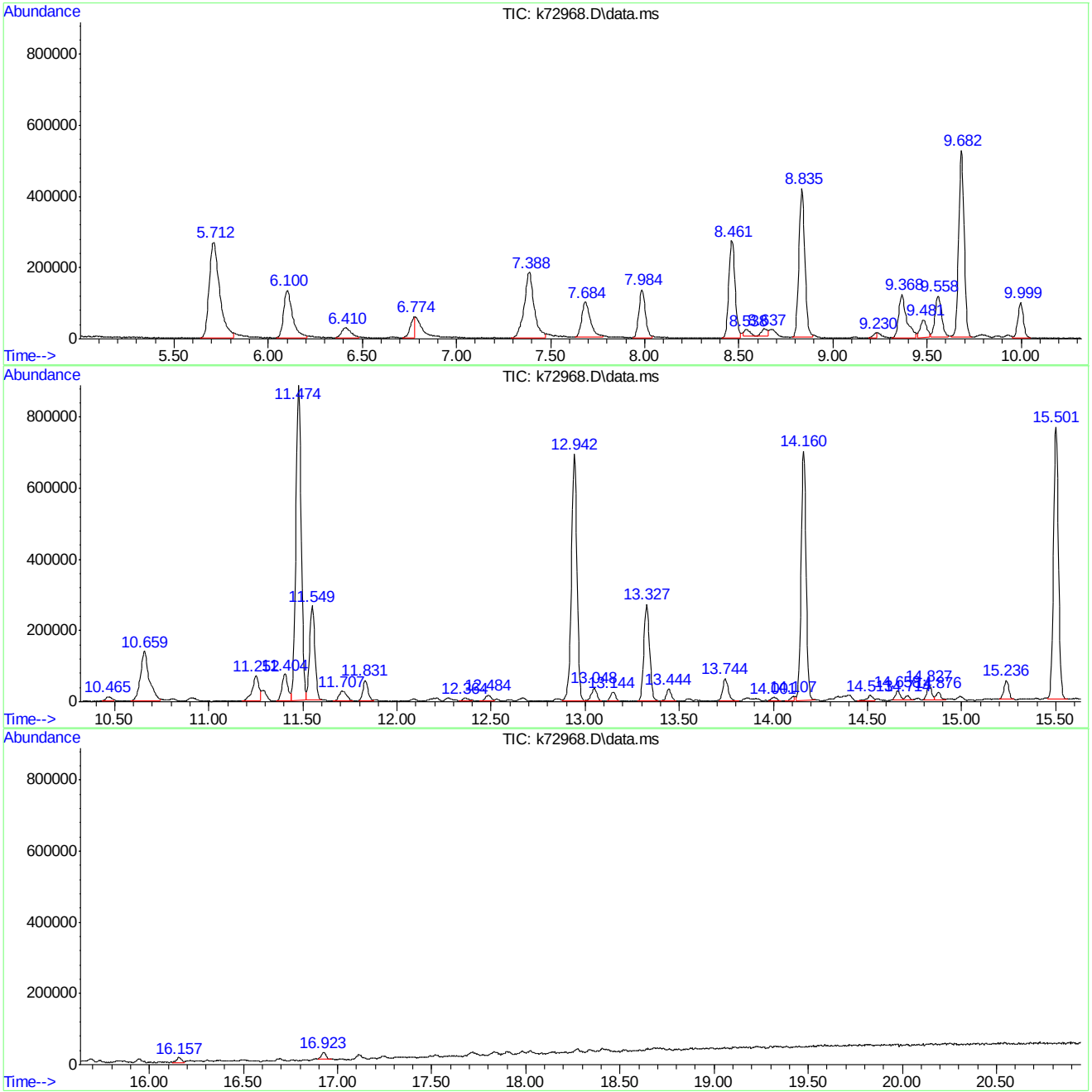
Sum of corrected areas: 15385816

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\130808\
Data File : k72968.D
Acq On : 8 Aug 2013 5:35 pm
Operator : GaryK
Sample : mc23272-2
Misc : ms29620tic,msk2375,11.431,,100,10,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72968.D
Acq On : 8 Aug 2013 5:35 pm
Operator : GaryK
Sample : mc23272-2
Misc : ms29620tic,msk2375,11.431,,100,10,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

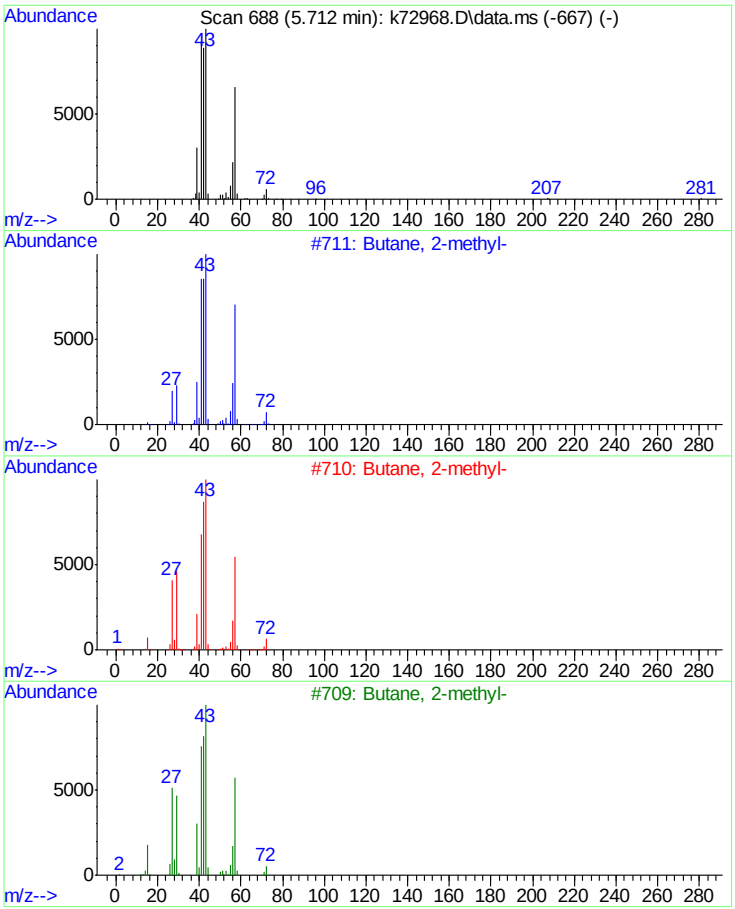
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

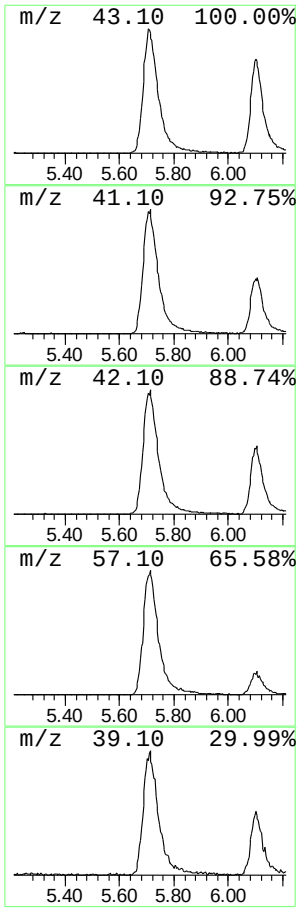
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.712	5391.87 ug/kg	1040740	Tert butyl alcohol-d9	6.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	90
4	3-Buten-1-ol	72	C4H8O	000627-27-0	28
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	12





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72968.D
Acq On : 8 Aug 2013 5:35 pm
Operator : GaryK
Sample : mc23272-2
Misc : ms29620tic,msk2375,11.431,,100,10,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

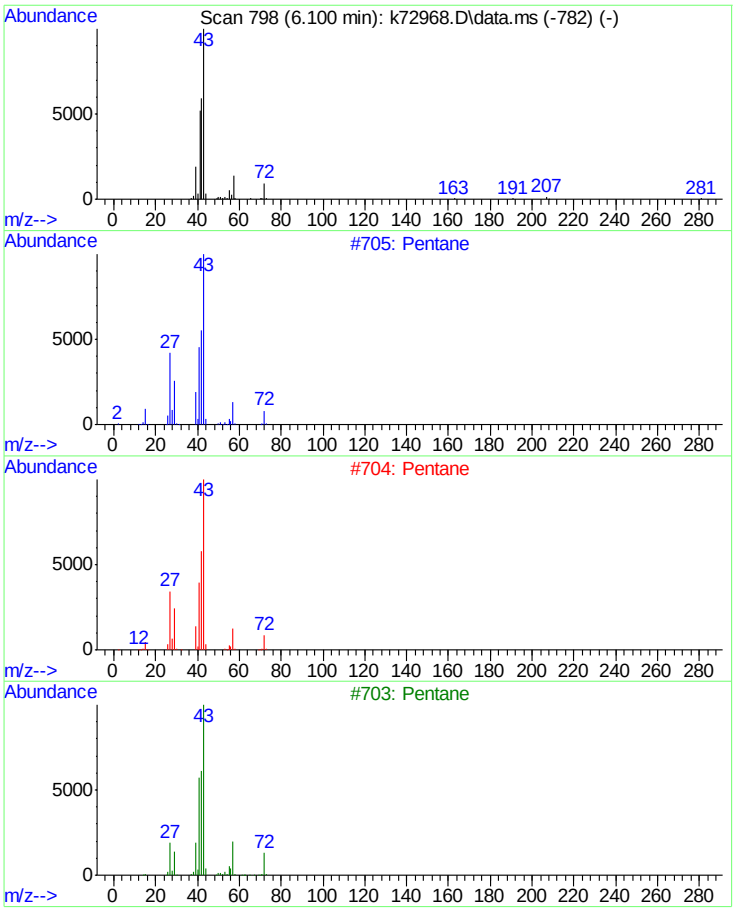
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

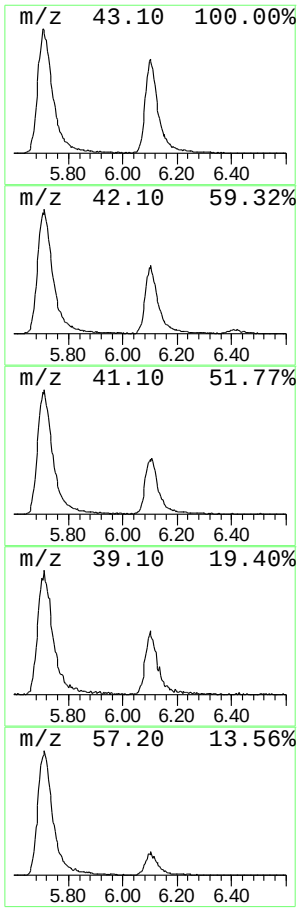
****

Peak Number 2 Pentane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.100	2273.95 ug/kg	438918	Tert butyl alcohol-d9	6.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Pentane	72	C5H12	000109-66-0	80
3	Pentane	72	C5H12	000109-66-0	72
4	Pentane	72	C5H12	000109-66-0	59
5	Butane, 2-methyl-	72	C5H12	000078-78-4	59





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72968.D
Acq On : 8 Aug 2013 5:35 pm
Operator : GaryK
Sample : mc23272-2
Misc : ms29620tic,msk2375,11.431,,100,10,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

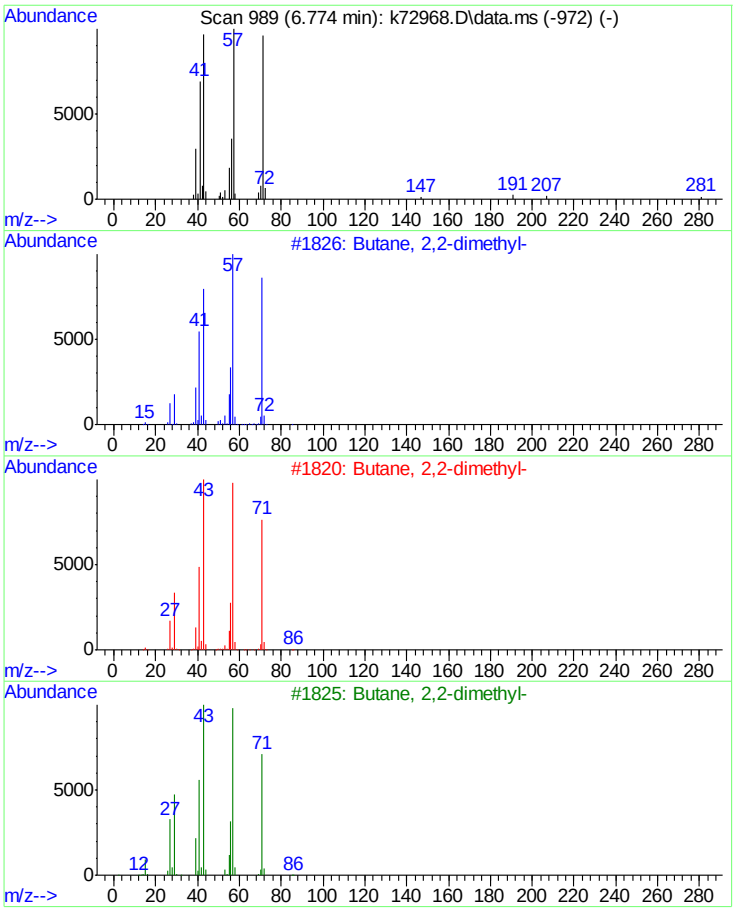
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

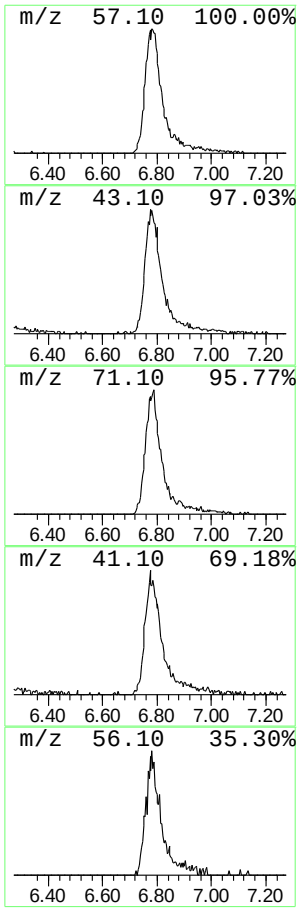
****

Peak Number 3 Butane, 2,2-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.774	501.43 ug/kg	96785	Tert butyl alcohol-d9	6.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	86
2	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	78
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	78
4	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
5	Oxalic acid, butyl neopentyl ester	216	C11H20O4	1000309-72-8	64





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72968.D
Acq On : 8 Aug 2013 5:35 pm
Operator : GaryK
Sample : mc23272-2
Misc : ms29620tic,msk2375,11.431,,100,10,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

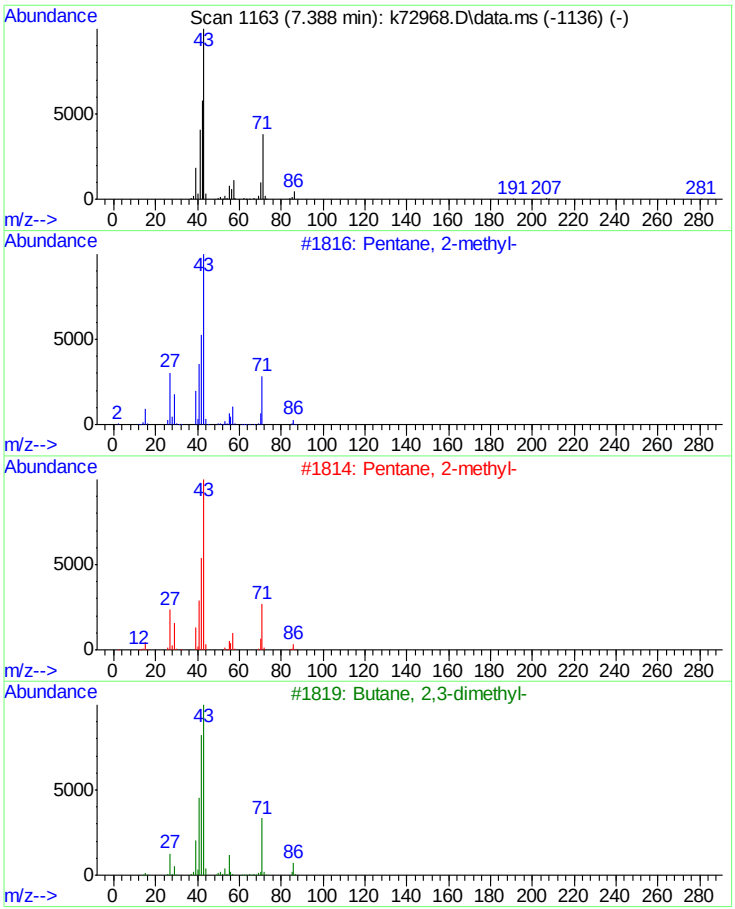
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

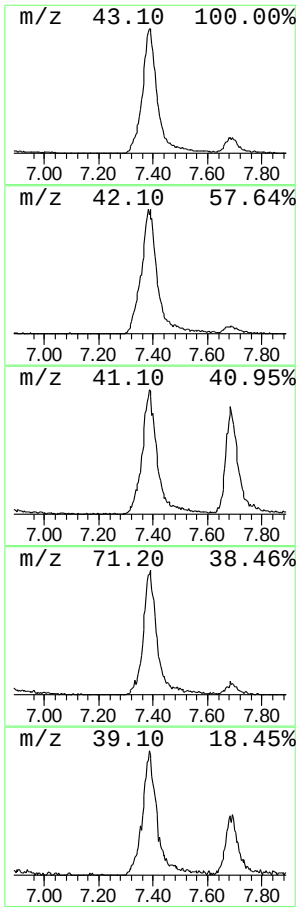
****

Peak Number 4 Pentane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.388	3522.98 ug/kg	680005	Tert butyl alcohol-d9	6.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	47
5	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	45





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72968.D
Acq On : 8 Aug 2013 5:35 pm
Operator : GaryK
Sample : mc23272-2
Misc : ms29620tic,msk2375,11.431,,100,10,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

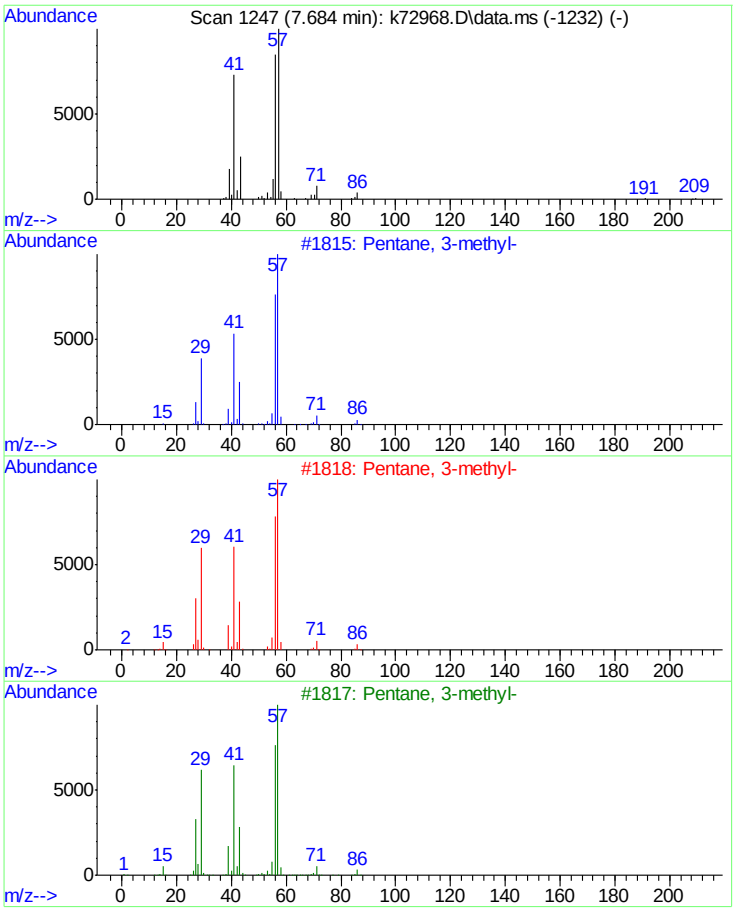
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

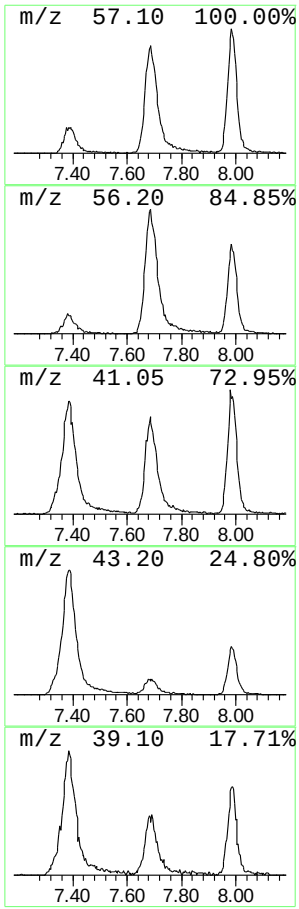
****

Peak Number 5 Pentane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.684	16.81 ug/kg	307176	pentafluorobenzene	8.837

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72968.D
Acq On : 8 Aug 2013 5:35 pm
Operator : GaryK
Sample : mc23272-2
Misc : ms29620tic,msk2375,11.431,,100,10,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

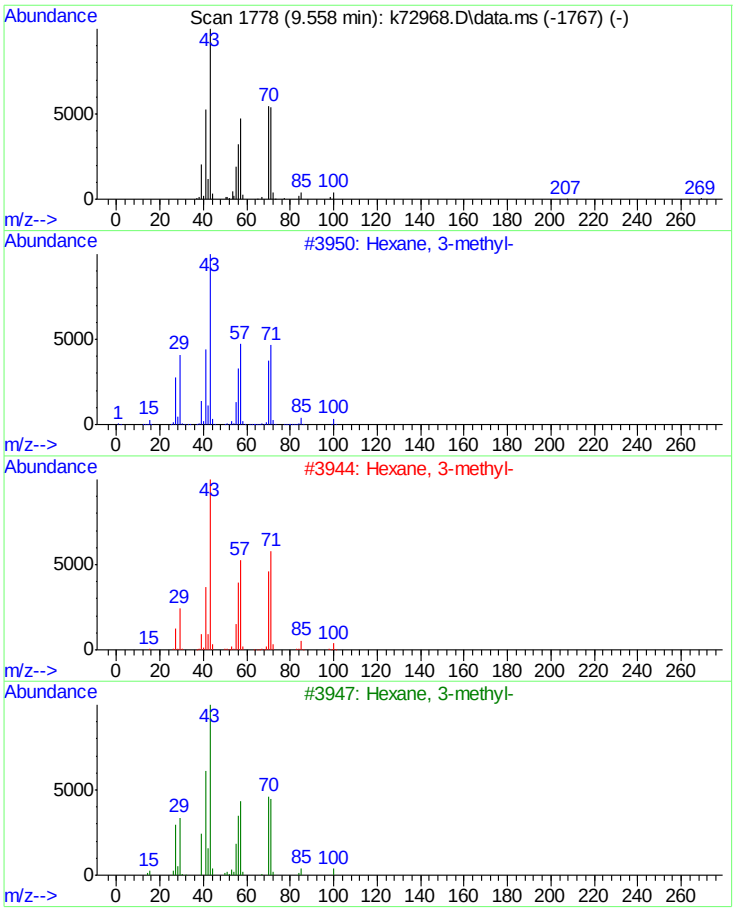
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

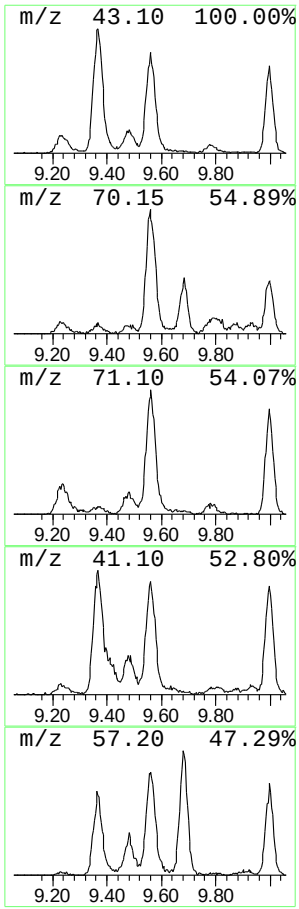
****

Peak Number 6 Hexane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.558	13.36 ug/kg	282352	1,4-difluorobenzene	9.684

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	64





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72968.D
Acq On : 8 Aug 2013 5:35 pm
Operator : GaryK
Sample : mc23272-2
Misc : ms29620tic,msk2375,11.431,,100,10,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

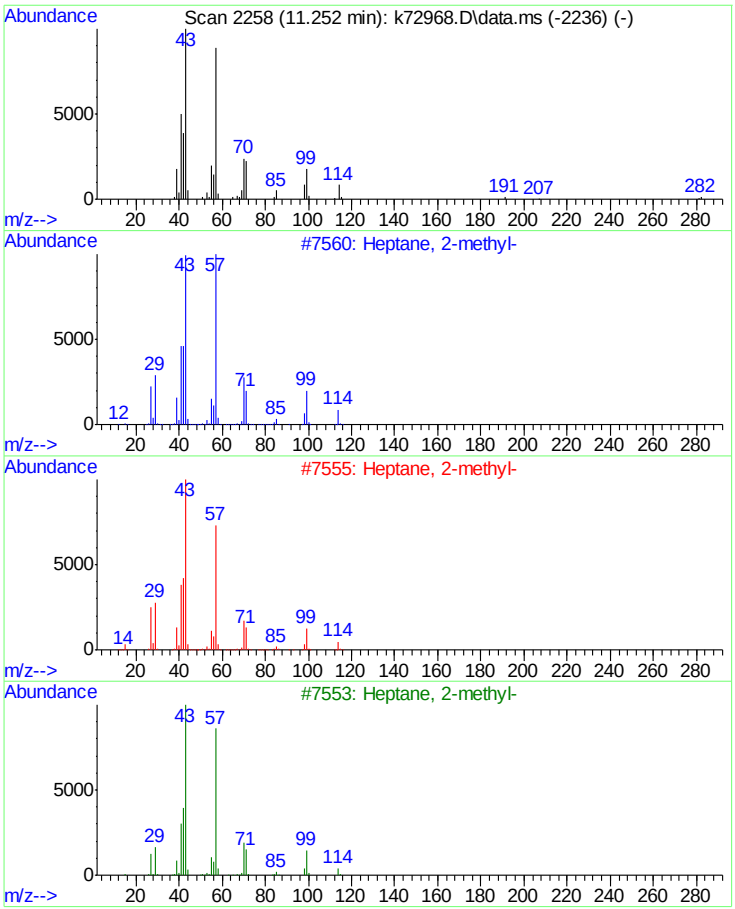
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

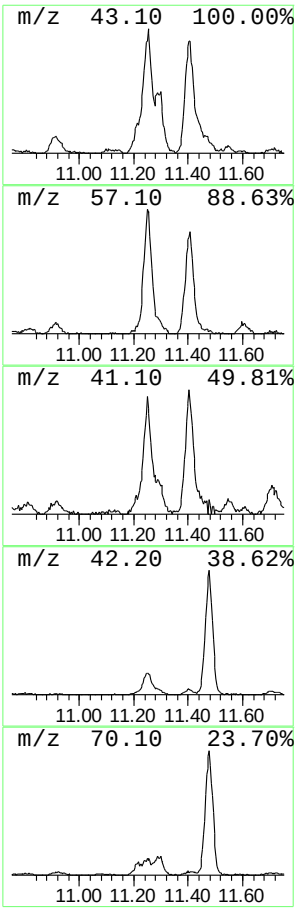
****

Peak Number 7 Heptane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.252	8.55 ug/kg	180731	1,4-difluorobenzene	9.684

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	97
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	86
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	72
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	72





Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72968.D
Acq On : 8 Aug 2013 5:35 pm
Operator : GaryK
Sample : mc23272-2
Misc : ms29620tic,msk2375,11.431,,100,10,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

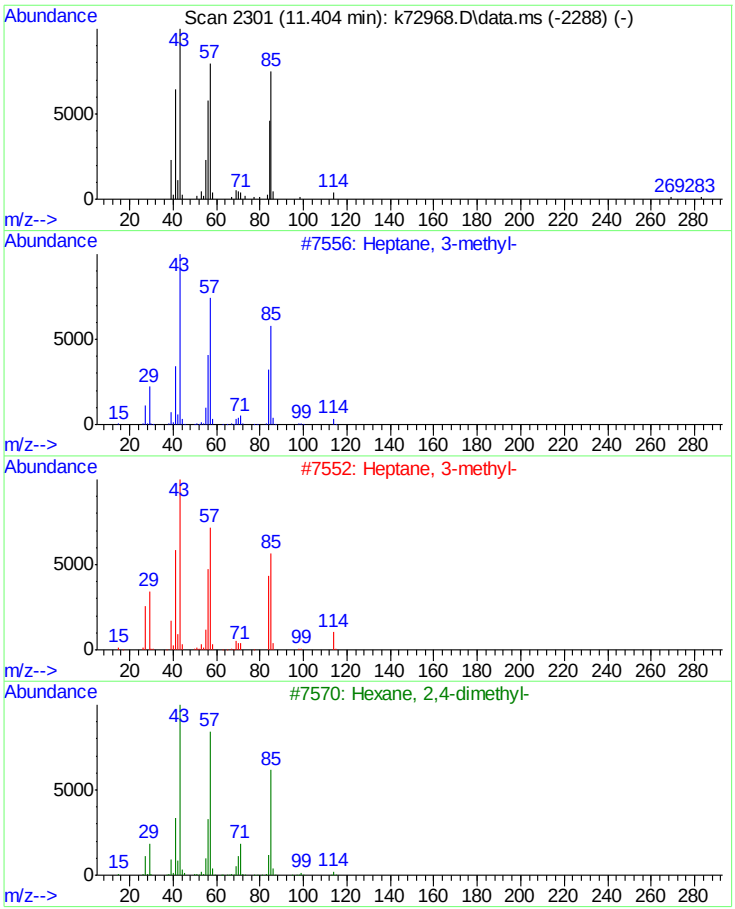
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

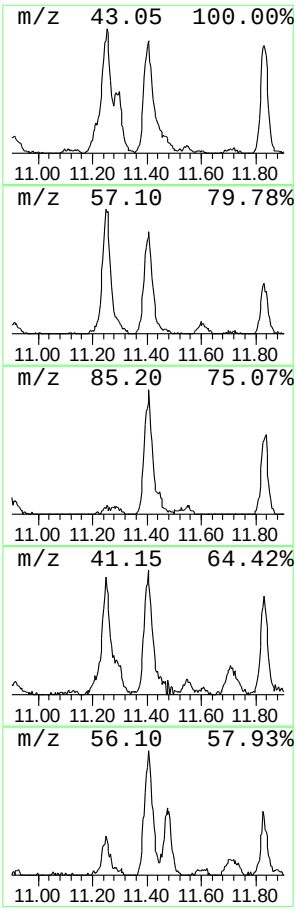
****

Peak Number 8 Heptane, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.404	5.87 ug/kg	167007	chlorobenzene-d5	12.942

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59
4	Nonane, 5-methyl-	142	C10H22	015869-85-9	59
5	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	59





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\130808\
Data File : k72968.D
Acq On : 8 Aug 2013 5:35 pm
Operator : GaryK
Sample : mc23272-2
Misc : ms29620tic,msk2375,11.431,,100,10,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	5.712	5391.9	ug/kg	1040740	1	6.422	96510	500.0
Pentane	6.100	2273.9	ug/kg	438918	1	6.422	96510	500.0
Butane, 2,2-dim...	6.774	501.4	ug/kg	96785	1	6.422	96510	500.0
Pentane, 2-methyl-	7.388	3523.0	ug/kg	680005	1	6.422	96510	500.0
Pentane, 3-methyl-	7.684	16.8	ug/kg	307176	2	8.837	913859	50.0
Hexane, 3-methyl-	9.558	13.4	ug/kg	282352	3	9.684	1056420	50.0
Heptane, 2-methyl-	11.252	8.6	ug/kg	180731	3	9.684	1056420	50.0
Heptane, 3-methyl-	11.404	5.9	ug/kg	167007	4	12.942	1422510	50.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72969.D
Acq On : 8 Aug 2013 6:03 pm
Operator : GaryK
Sample : mc23272-3
Misc : ms29620,msk2375,9.275,,100,10,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 09 07:59:43 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

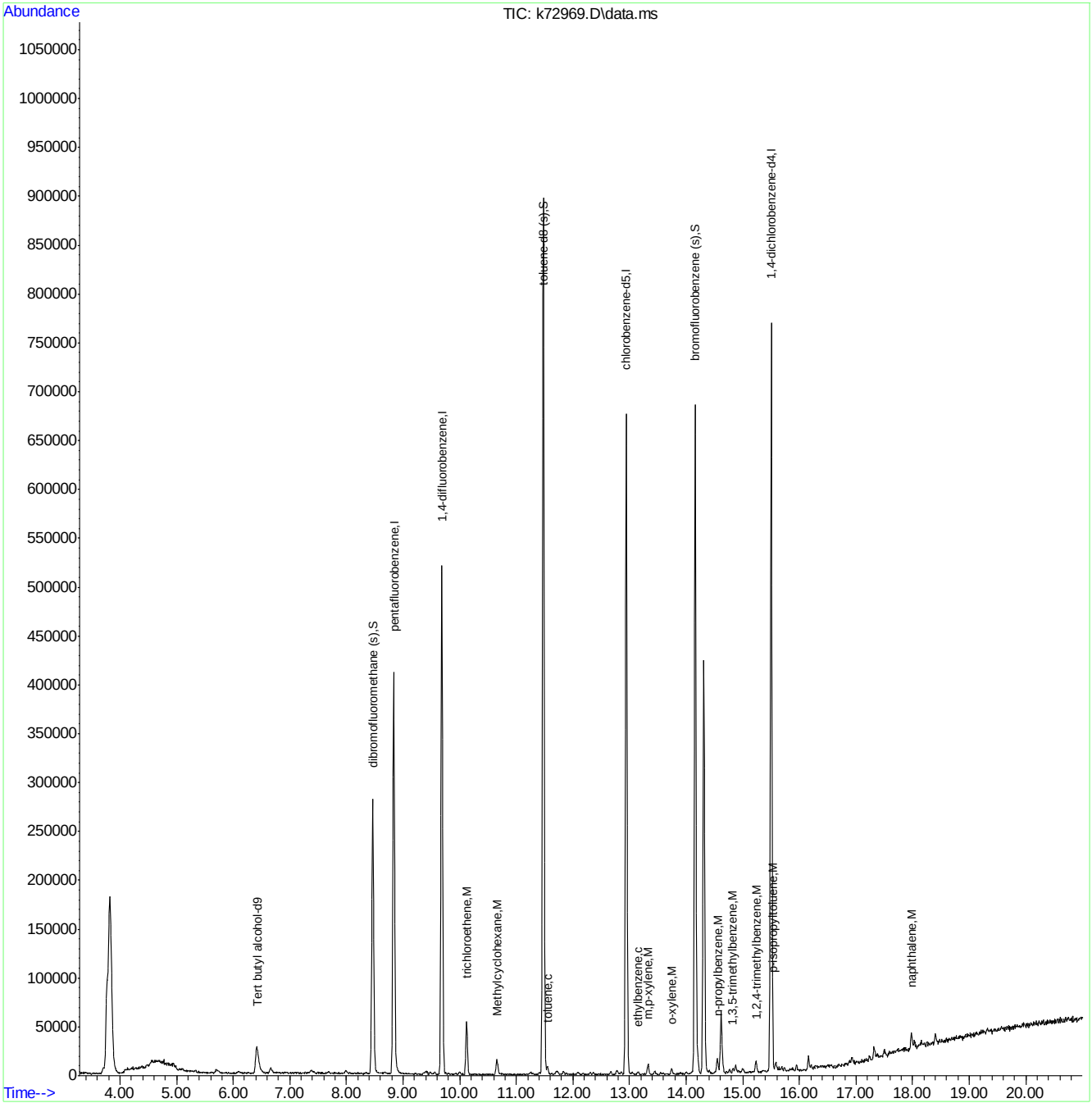
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.431	65	57879	500.00	ug/kg	0.00
4) pentafluorobenzene	8.838	168	364749	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.685	114	540425	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.943	82	212025	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	254836	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.467	113	208498	55.22	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.44%			
63) toluene-d8 (s)	11.478	98	712816	52.61	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.22%			
87) bromofluorobenzene (s)	14.160	95	252834	51.91	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.82%			
Target Compounds						Qvalue
54) trichloroethene	10.123	95	19814	4.91	ug/kg	92
58) Methylcyclohexane	10.659	83	7599	1.51	ug/kg#	85
65) toluene	11.551	92	3229	0.36	ug/kg	87
78) ethylbenzene	13.147	91	3188	0.20	ug/kg	50
79) m,p-xylene	13.329	106	4225	0.63	ug/kg	83
80) o-xylene	13.744	106	2028	0.31	ug/kg	98
91) n-propylbenzene	14.554	91	4279	0.23	ug/kg	71
94) 1,3,5-trimethylbenzene	14.825	105	2762	0.20	ug/kg	79
96) 1,2,4-trimethylbenzene	15.239	105	4982	0.35	ug/kg	77
99) p-isopropyltoluene	15.529	119	2878	0.21	ug/kg	84
107) naphthalene	17.978	128	10423	1.34	ug/kg	100

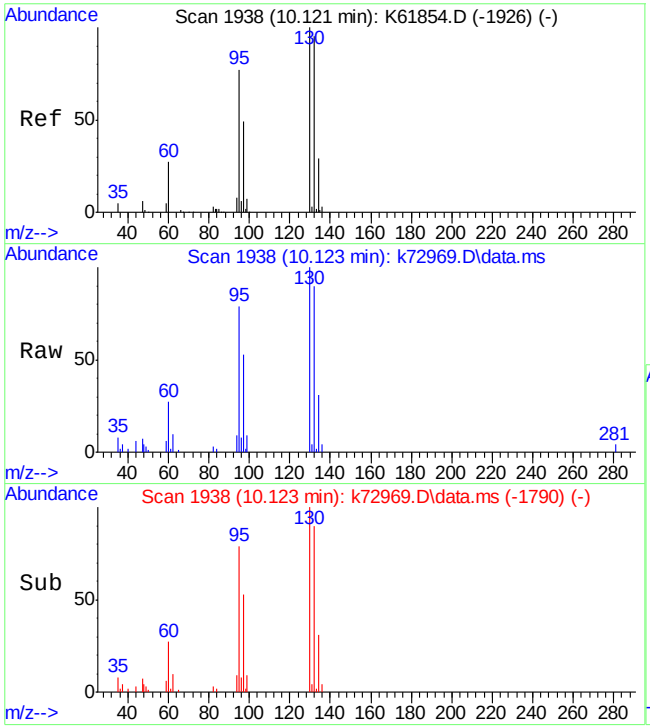
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72969.D
Acq On : 8 Aug 2013 6:03 pm
Operator : GaryK
Sample : mc23272-3
Misc : ms29620,msk2375,9.275,,100,10,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 09 07:59:43 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

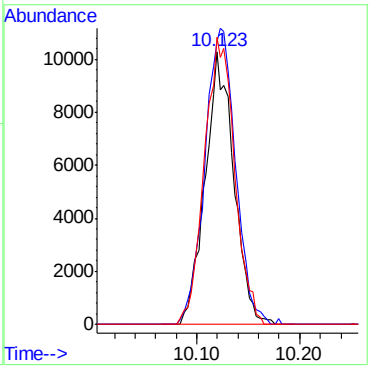


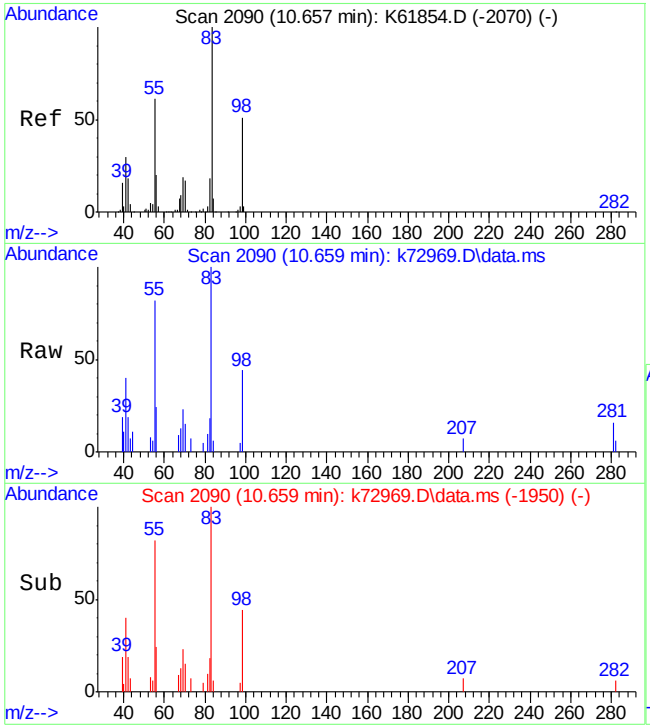


#54
trichloroethene
Concen: 4.91 ug/kg
RT: 10.123 min Scan# 1938
Delta R.T. 0.001 min
Lab File: k72969.D
Acq: 8 Aug 2013 6:03 pm

Tgt Ion: 95 Resp: 19814

Ion	Ratio	Lower	Upper
95	100		
130	126.5	83.8	143.8
132	114.0	79.6	139.6

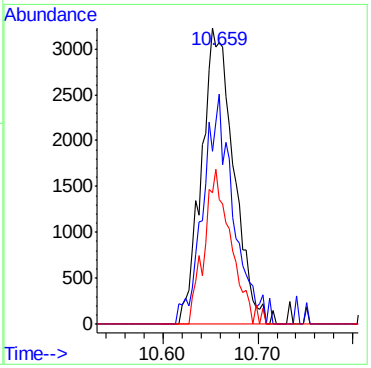


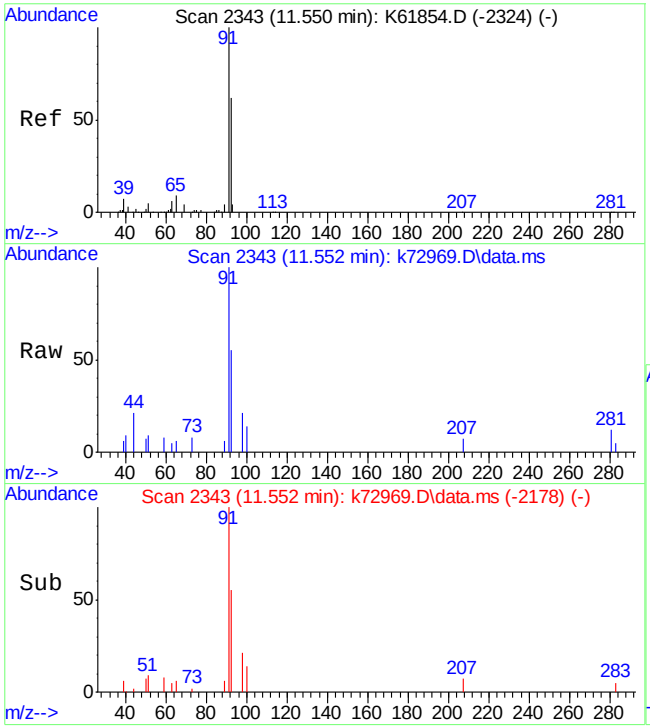


#58
Methylcyclohexane
Concen: 1.51 ug/kg
RT: 10.659 min Scan# 2090
Delta R.T. -0.005 min
Lab File: k72969.D
Acq: 8 Aug 2013 6:03 pm

Tgt Ion: 83 Resp: 7599

Ion	Ratio	Lower	Upper
83	100		
55	81.9	52.2	78.4#
98	44.2	38.9	58.3

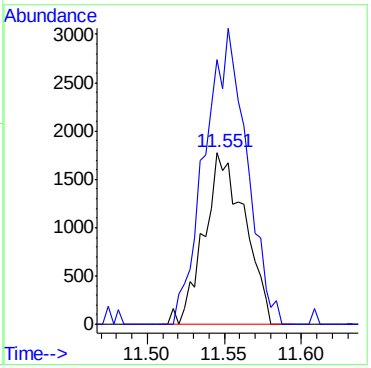


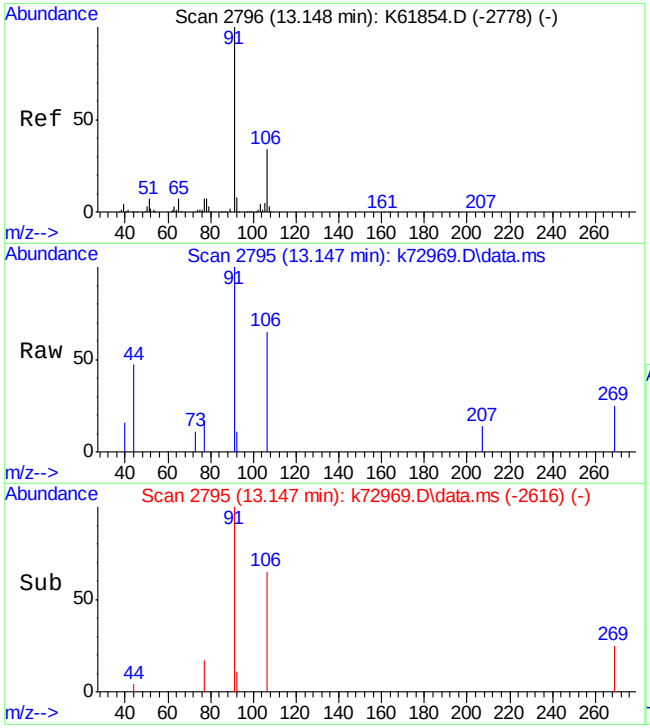


#65
toluene
Concen: 0.36 ug/kg
RT: 11.551 min Scan# 2343
Delta R.T. 0.002 min
Lab File: k72969.D
Acq: 8 Aug 2013 6:03 pm

Tgt Ion: 92 Resp: 3229

Ion	Ratio	Lower	Upper
92	100		
91	182.9	135.5	195.5

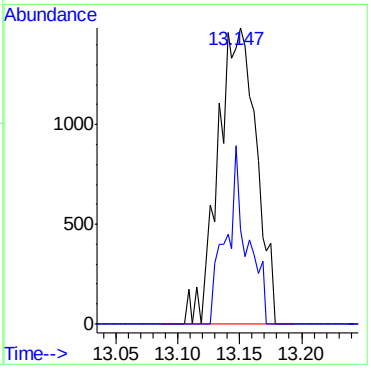


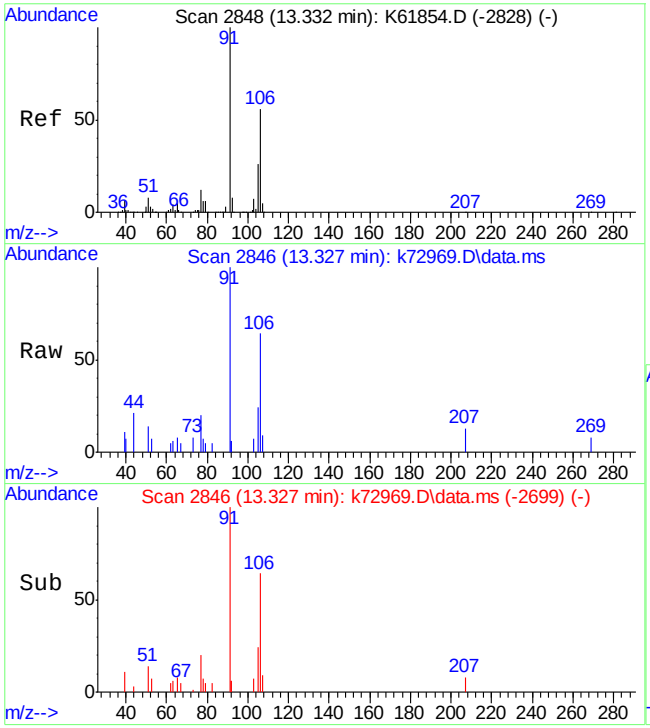


#78
ethylbenzene
Concen: 0.20 ug/kg
RT: 13.147 min Scan# 2795
Delta R.T. 0.000 min
Lab File: k72969.D
Acq: 8 Aug 2013 6:03 pm

Tgt Ion: 91 Resp: 3188

Ion	Ratio	Lower	Upper
91	100		
106	64.8	5.5	65.5

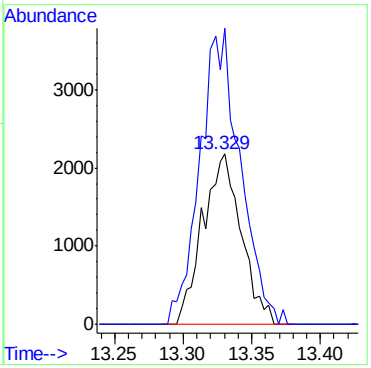


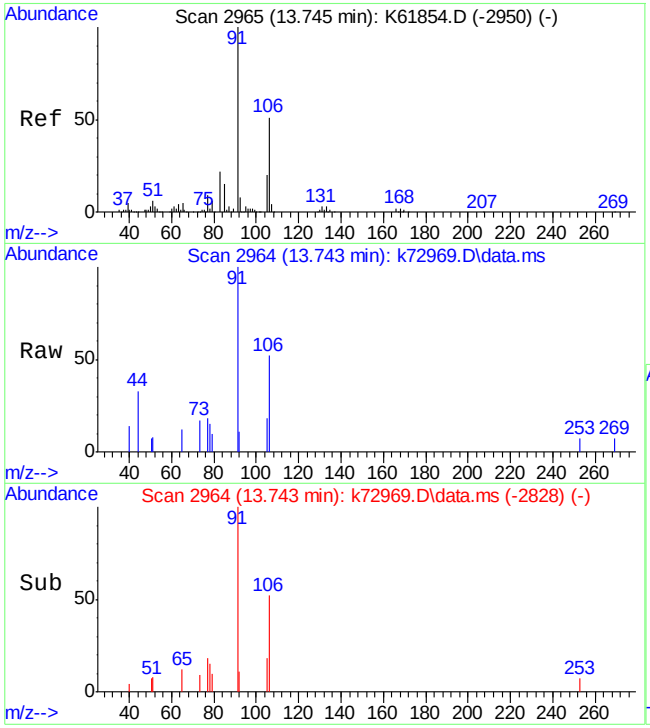


#79
m,p-xylene
Concen: 0.63 ug/kg
RT: 13.329 min Scan# 2846
Delta R.T. -0.001 min
Lab File: k72969.D
Acq: 8 Aug 2013 6:03 pm

Tgt Ion:106 Resp: 4225

Ion	Ratio	Lower	Upper
106	100		
91	156.6	150.2	210.2

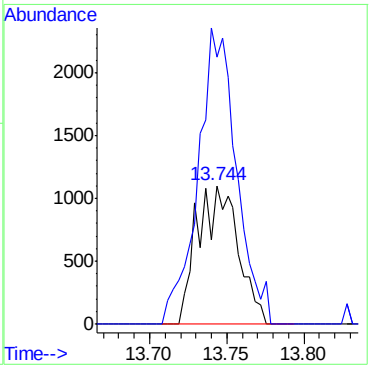


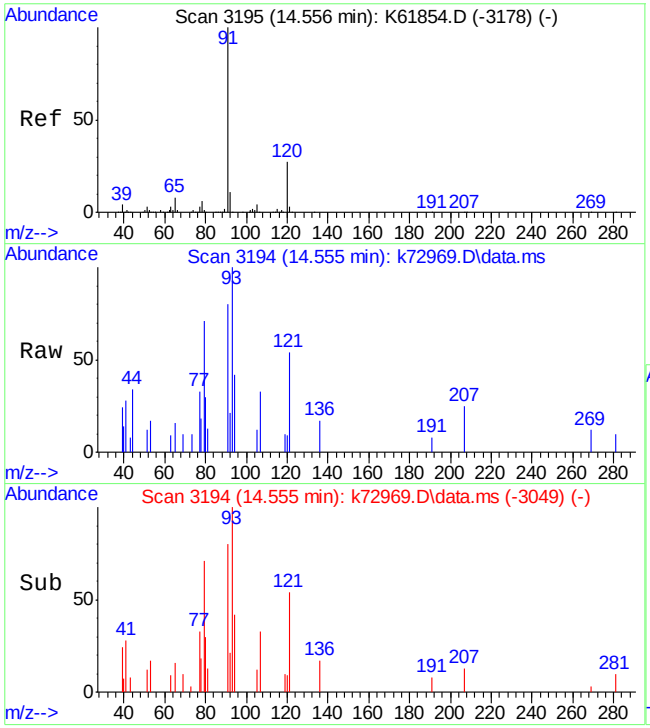


#80
o-xylene
Concen: 0.31 ug/kg
RT: 13.744 min Scan# 2964
Delta R.T. 0.001 min
Lab File: k72969.D
Acq: 8 Aug 2013 6:03 pm

Tgt Ion:106 Resp: 2028

Ion	Ratio	Lower	Upper
106	100		
91	192.4	159.4	219.4

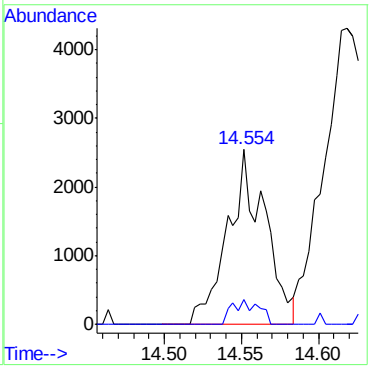


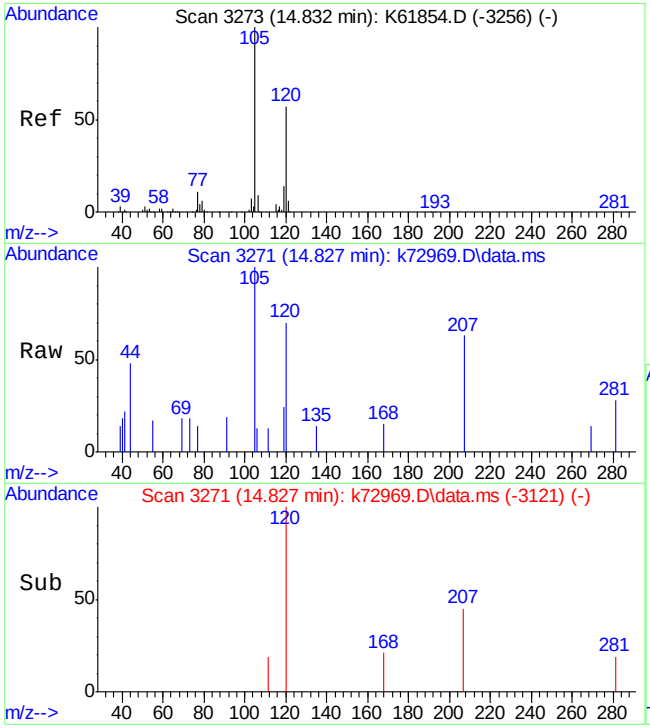


#91
n-propylbenzene
Concen: 0.23 ug/kg
RT: 14.554 min Scan# 3194
Delta R.T. -0.001 min
Lab File: k72969.D
Acq: 8 Aug 2013 6:03 pm

Tgt Ion: 91 Resp: 4279

Ion	Ratio	Lower	Upper
91	100		
120	11.8	0.0	56.5

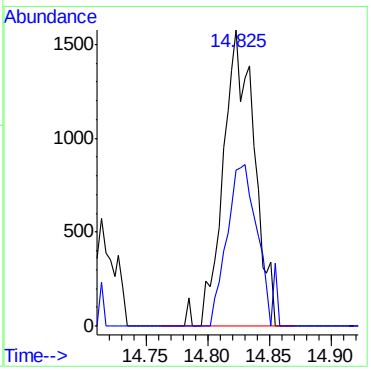


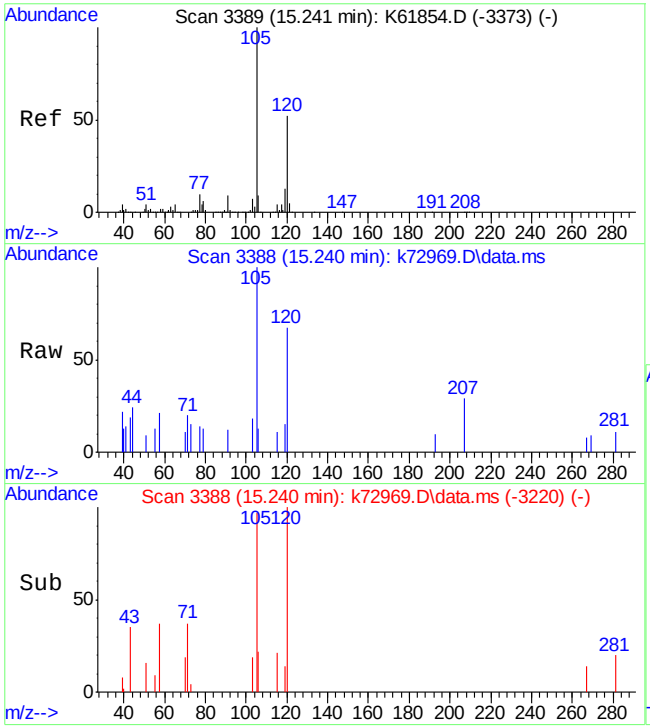


#94
1,3,5-trimethylbenzene
Concen: 0.20 ug/kg
RT: 14.825 min Scan# 3271
Delta R.T. -0.002 min
Lab File: k72969.D
Acq: 8 Aug 2013 6:03 pm

Tgt Ion:105 Resp: 2762

Ion	Ratio	Lower	Upper
105	100		
120	70.1	25.1	85.1

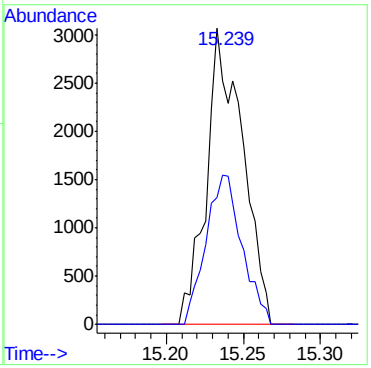


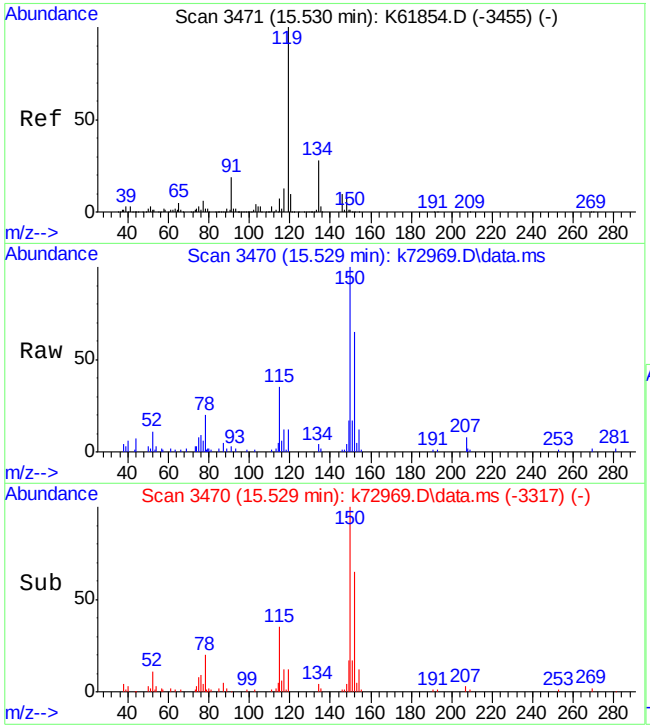


#96
1,2,4-trimethylbenzene
Concen: 0.35 ug/kg
RT: 15.239 min Scan# 3388
Delta R.T. 0.001 min
Lab File: k72969.D
Acq: 8 Aug 2013 6:03 pm

Tgt Ion:105 Resp: 4982

Ion	Ratio	Lower	Upper
105	100		
120	67.0	21.1	81.1

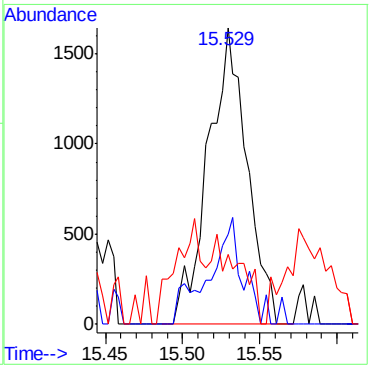


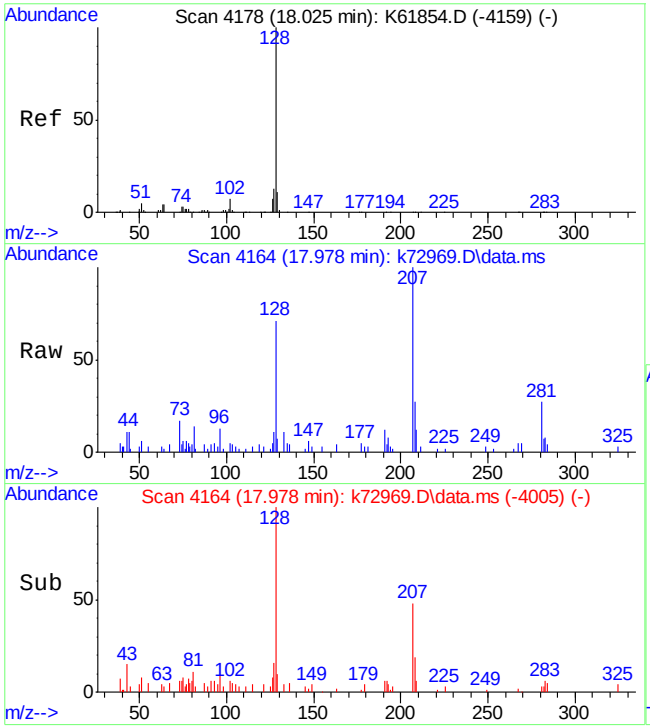


#99
p-isopropyltoluene
Concen: 0.21 ug/kg
RT: 15.529 min Scan# 3470
Delta R.T. -0.000 min
Lab File: k72969.D
Acq: 8 Aug 2013 6:03 pm

Tgt Ion:119 Resp: 2878

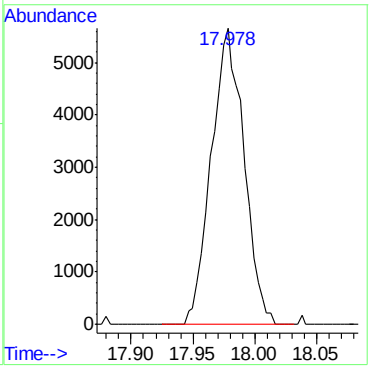
Ion	Ratio	Lower	Upper
119	100		
134	30.5	0.0	57.7
91	8.3	0.0	51.8





#107
naphthalene
Concen: 1.34 ug/kg
RT: 17.978 min Scan# 4164
Delta R.T. 0.000 min
Lab File: k72969.D
Acq: 8 Aug 2013 6:03 pm

Tgt Ion:128 Resp: 10423



7.1.5

7

LSC Area Percent Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72969.D
Acq On : 8 Aug 2013 6:03 pm
Operator : GaryK
Sample : mc23272-3
Misc : ms29620tic,msk2375,9.275,,100,10,1
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\K130807S.m
Title : SW-846 Method 8260

Signal : TIC: k72969.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.417	873	888	913	rBV3	27778	103191	5.92%	1.073%
2	8.464	1450	1468	1486	rBV	282081	642888	36.87%	6.683%
3	8.835	1557	1573	1599	rBV2	411048	908250	52.09%	9.441%
4	9.685	1800	1814	1829	rBV	520396	1066858	61.18%	11.090%
5	10.119	1926	1937	1953	rVB2	54747	112550	6.45%	1.170%
6	10.656	2077	2089	2102	rBV7	15213	35970	2.06%	0.374%
7	11.478	2307	2322	2336	rBV	896539	1743696	100.00%	18.126%
8	12.942	2721	2737	2752	rBV	675801	1281239	73.48%	13.319%
9	14.160	3069	3082	3104	rVB2	684203	1288879	73.92%	13.398%
10	14.312	3110	3125	3141	rBV	423331	865432	49.63%	8.996%
11	14.552	3183	3193	3200	rBV5	13702	25024	1.44%	0.260%
12	14.619	3200	3212	3227	rVB3	61773	135526	7.77%	1.409%
13	15.236	3377	3387	3396	rVB5	11201	22689	1.30%	0.236%
14	15.501	3449	3462	3477	rBV	765266	1362385	78.13%	14.162%
15	16.164	3638	3650	3655	rBV4	15139	25344	1.45%	0.263%

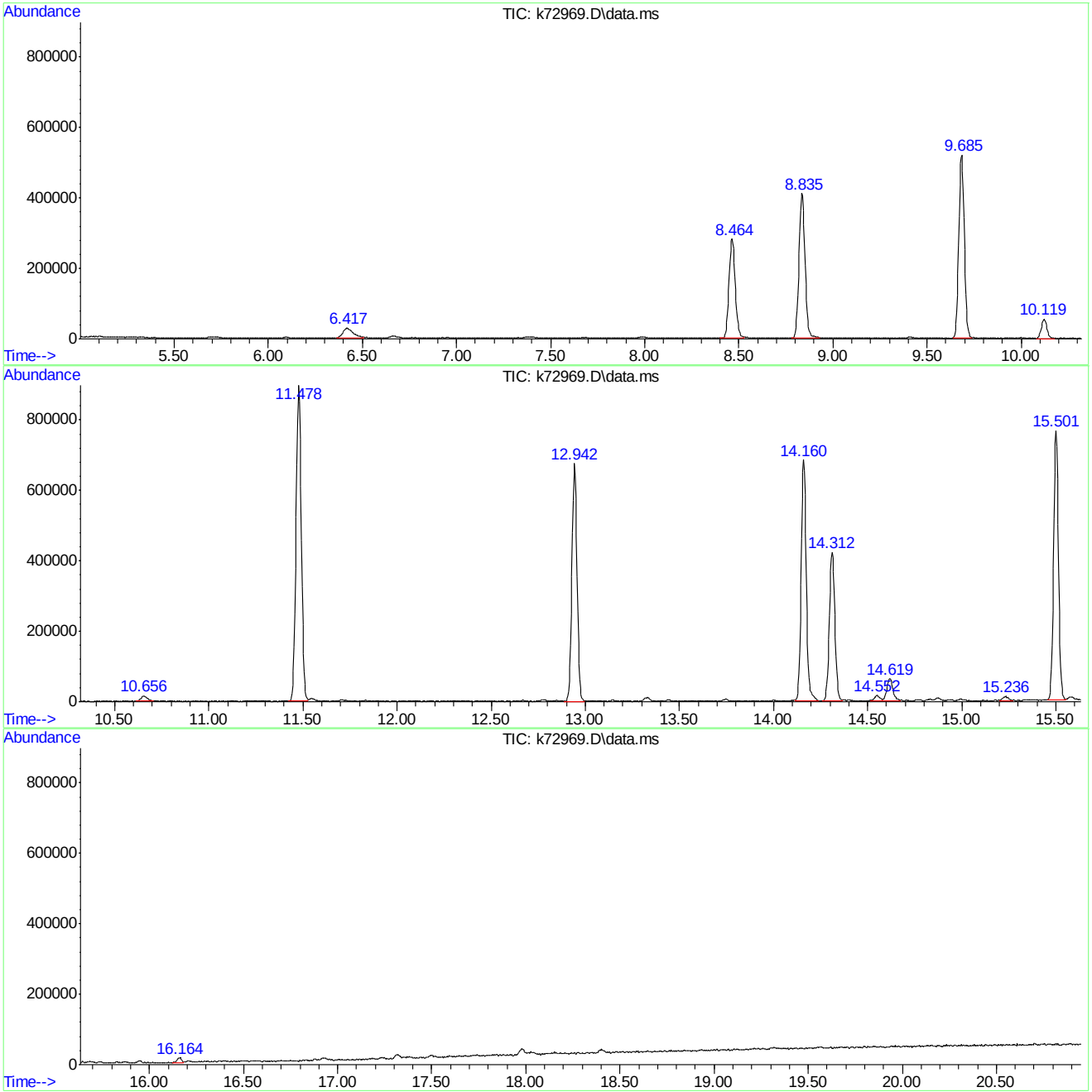
Sum of corrected areas: 9619921

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\130808\
Data File : k72969.D
Acq On : 8 Aug 2013 6:03 pm
Operator : GaryK
Sample : mc23272-3
Misc : ms29620tic,msk2375,9.275,,100,10,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72969.D
Acq On : 8 Aug 2013 6:03 pm
Operator : GaryK
Sample : mc23272-3
Misc : ms29620tic,msk2375,9.275,,100,10,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

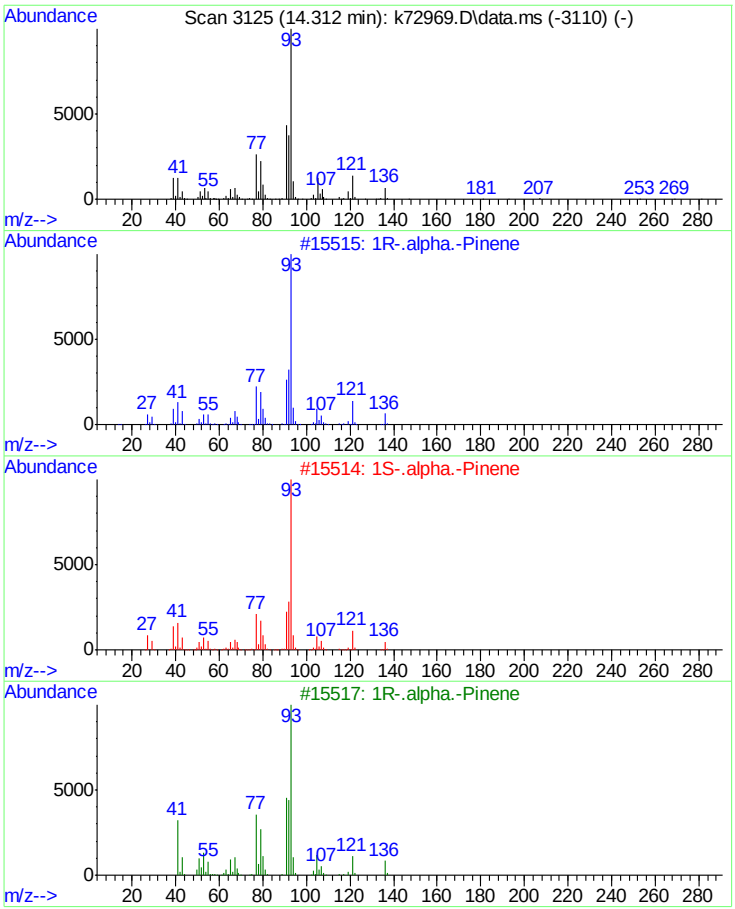
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

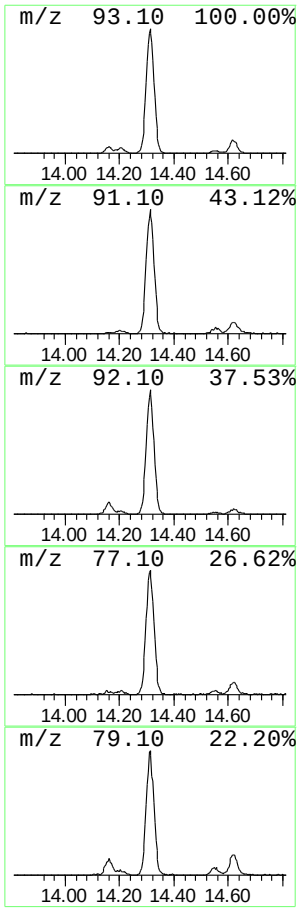
****

Peak Number 1 1R-.alpha.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.312	31.76 ug/kg	865432	1,4-dichlorobenzene-d4	15.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1R-.alpha.-Pinene	136	C10H16	007785-70-8	97
2	1S-.alpha.-Pinene	136	C10H16	007785-26-4	95
3	1R-.alpha.-Pinene	136	C10H16	007785-70-8	94
4	.alpha.-Pinene	136	C10H16	000080-56-8	94
5	1,4-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-85-4	93





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\130808\
Data File : k72969.D
Acq On : 8 Aug 2013 6:03 pm
Operator : GaryK
Sample : mc23272-3
Misc : ms29620tic,msk2375,9.275,,100,10,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1R-.alpha.-Pinene	14.312	31.8	ug/kg	865432	5	15.501	1362390	50.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72970.D
Acq On : 8 Aug 2013 6:30 pm
Operator : GaryK
Sample : mc23272-4
Misc : ms29620,msk2375,9.350,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 09 08:00:38 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

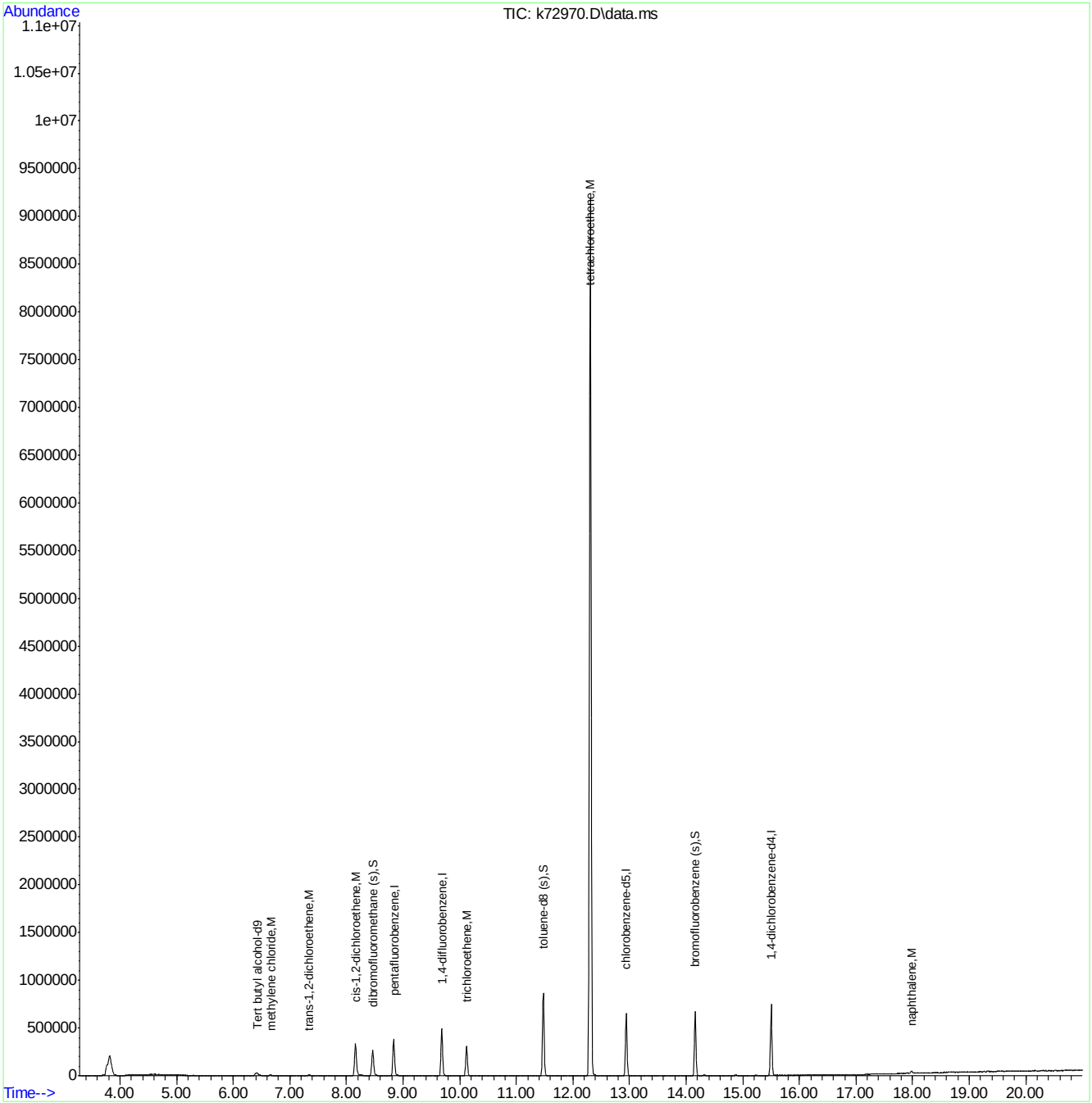
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.422	65	54177	500.00	ug/kg	0.00
4) pentafluorobenzene	8.837	168	343043	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.684	114	508284	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.942	82	205282	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	250926	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.466	113	202534	57.03	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 114.06%			
63) toluene-d8 (s)	11.478	98	695992	54.62	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.24%			
87) bromofluorobenzene (s)	14.160	95	251541	52.45	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.90%			
Target Compounds						Qvalue
19) methylene chloride	6.665	84	2109	0.65	ug/kg	92
23) trans-1,2-dichloroethene	7.343	96	4813	1.37	ug/kg#	78
37) cis-1,2-dichloroethene	8.167	96	213098	54.39	ug/kg	95
54) trichloroethene	10.122	95	107836	28.42	ug/kg	98
70) tetrachloroethene	12.307	166	3478401	873.89	ug/kg	99
107) naphthalene	17.979	128	24313	3.17	ug/kg	100

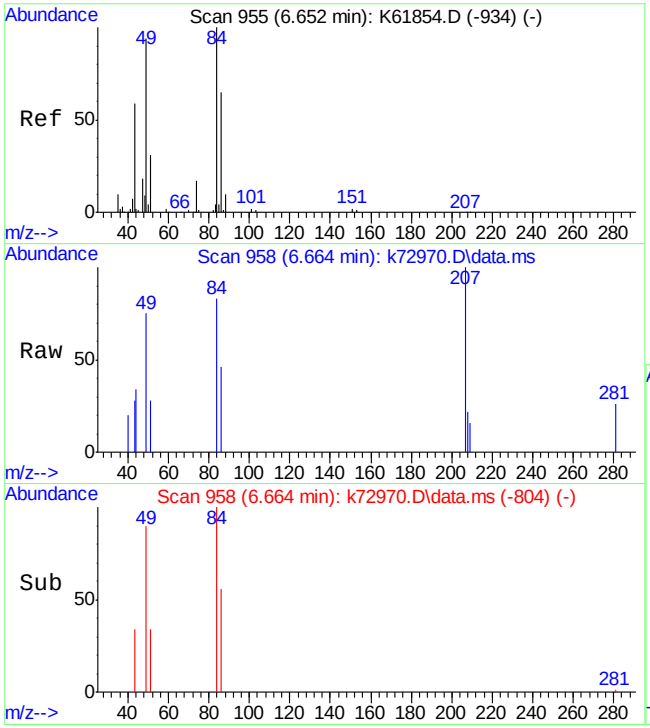
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72970.D
Acq On : 8 Aug 2013 6:30 pm
Operator : GaryK
Sample : mc23272-4
Misc : ms29620,msk2375,9.350,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 09 08:00:38 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

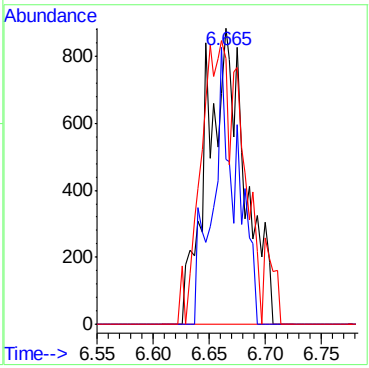


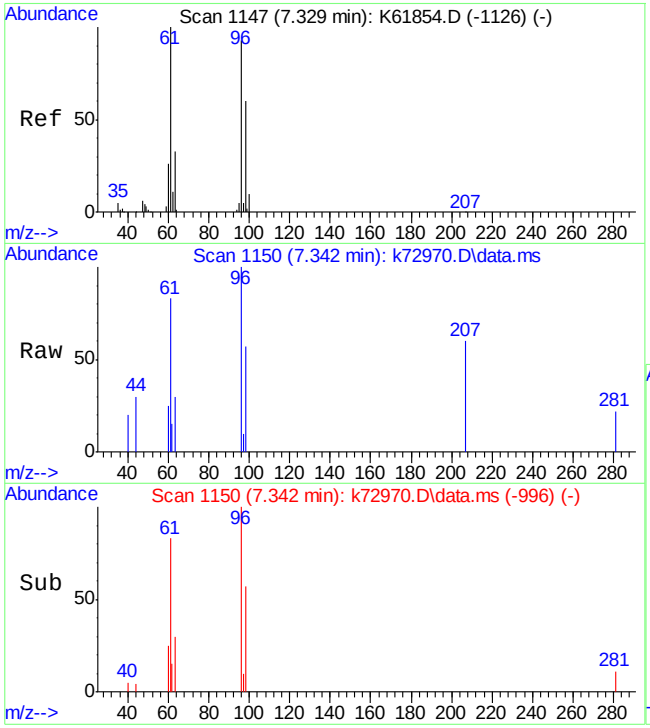


#19
methylene chloride
Concen: 0.65 ug/kg
RT: 6.665 min Scan# 958
Delta R.T. -0.015 min
Lab File: k72970.D
Acq: 8 Aug 2013 6:30 pm

Tgt Ion: 84 Resp: 2109

Ion	Ratio	Lower	Upper
84	100		
86	55.8	34.8	94.8
49	89.7	64.9	124.9

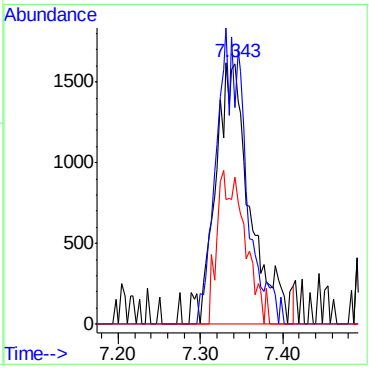


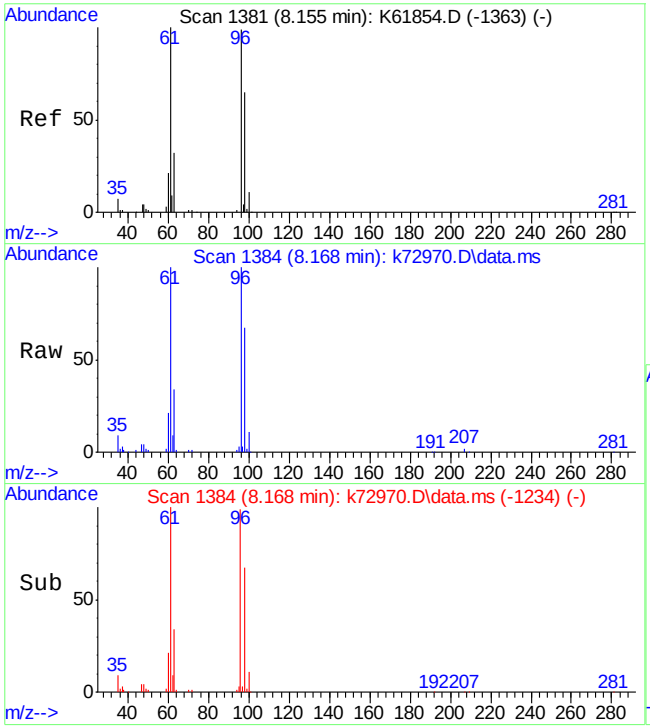


#23
trans-1,2-dichloroethene
Concen: 1.37 ug/kg
RT: 7.343 min Scan# 1150
Delta R.T. -0.006 min
Lab File: k72970.D
Acq: 8 Aug 2013 6:30 pm

Tgt Ion: 96 Resp: 4813

Ion	Ratio	Lower	Upper
96	100		
61	83.2	84.6	144.6#
98	56.7	35.3	95.3

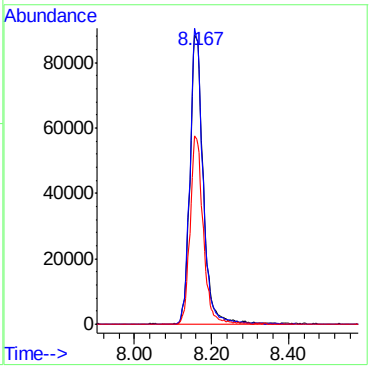


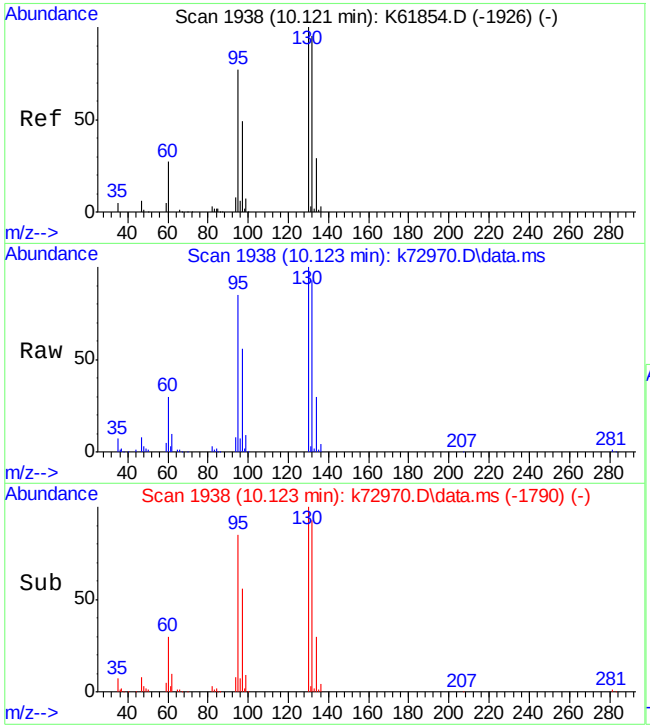


#37
cis-1,2-dichloroethene
Concen: 54.39 ug/kg
RT: 8.167 min Scan# 1384
Delta R.T. -0.003 min
Lab File: k72970.D
Acq: 8 Aug 2013 6:30 pm

Tgt Ion: 96 Resp: 213098

Ion	Ratio	Lower	Upper
96	100		
61	100.3	76.6	136.6
98	67.3	34.6	94.6

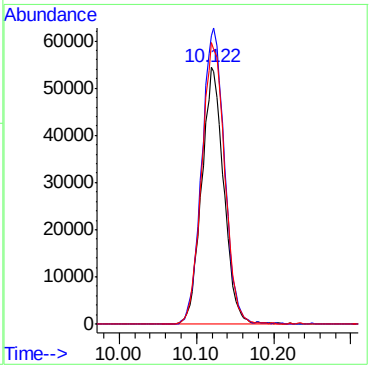


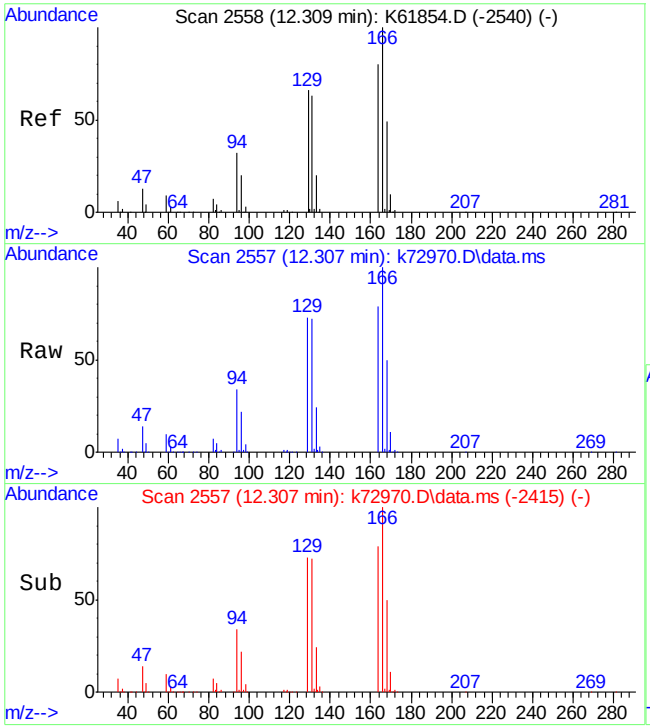


#54
trichloroethene
Concen: 28.42 ug/kg
RT: 10.122 min Scan# 1938
Delta R.T. -0.000 min
Lab File: k72970.D
Acq: 8 Aug 2013 6:30 pm

Tgt Ion: 95 Resp: 107836

Ion	Ratio	Lower	Upper
95	100		
130	117.6	83.8	143.8
132	109.1	79.6	139.6

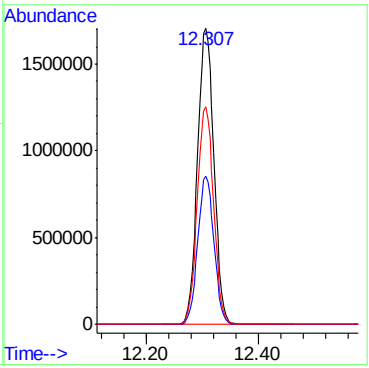


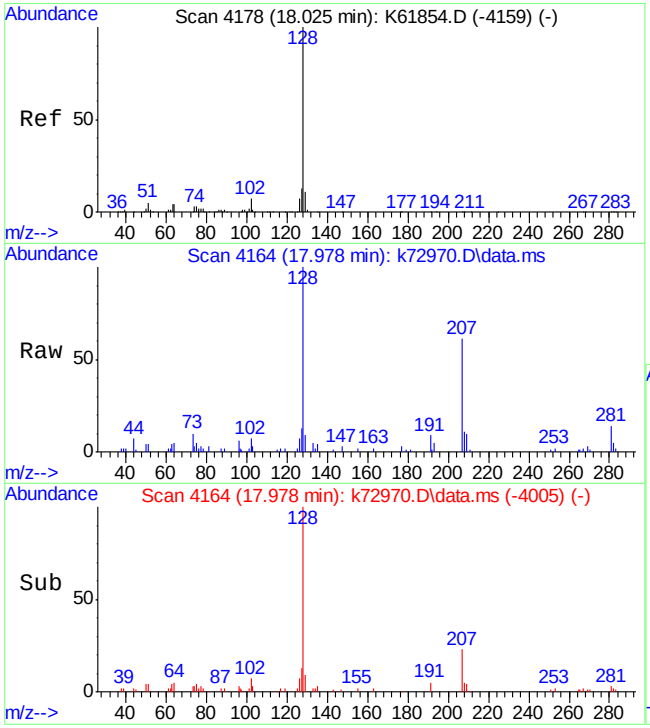


#70
tetrachloroethene
Concen: 873.89 ug/kg
RT: 12.307 min Scan# 2557
Delta R.T. 0.000 min
Lab File: k72970.D
Acq: 8 Aug 2013 6:30 pm

Tgt Ion:166 Resp: 3478401

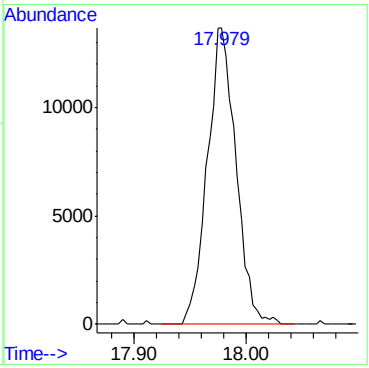
Ion	Ratio	Lower	Upper
166	100		
168	50.0	19.2	79.2
129	73.3	42.7	102.7





#107
naphthalene
Concen: 3.17 ug/kg
RT: 17.979 min Scan# 4164
Delta R.T. 0.001 min
Lab File: k72970.D
Acq: 8 Aug 2013 6:30 pm

Tgt Ion:128 Resp: 24313



LSC Area Percent Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72970.D
Acq On : 8 Aug 2013 6:30 pm
Operator : GaryK
Sample : mc23272-4
Misc : ms29620tic,msk2375,9.350,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\K130807S.m
Title : SW-846 Method 8260

Signal : TIC: k72970.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.157	1367	1381	1406	rBV	338420	789839	4.22%	2.810%
2	8.464	1453	1468	1485	rBV	270670	619954	3.31%	2.205%
3	8.835	1559	1573	1590	rBV	387634	845057	4.52%	3.006%
4	9.682	1799	1813	1830	rBV	493077	1004615	5.37%	3.574%
5	10.119	1924	1937	1953	rBV2	304254	620734	3.32%	2.208%
6	11.478	2307	2322	2342	rBV	864375	1700874	9.09%	6.050%
7	12.307	2540	2557	2581	rBV	9193913	18704479	100.00%	66.535%
8	12.942	2722	2737	2754	rBV	654623	1239283	6.63%	4.408%
9	14.160	3068	3082	3099	rBV	672551	1240186	6.63%	4.412%
10	15.501	3448	3462	3478	rBV	748962	1347289	7.20%	4.793%

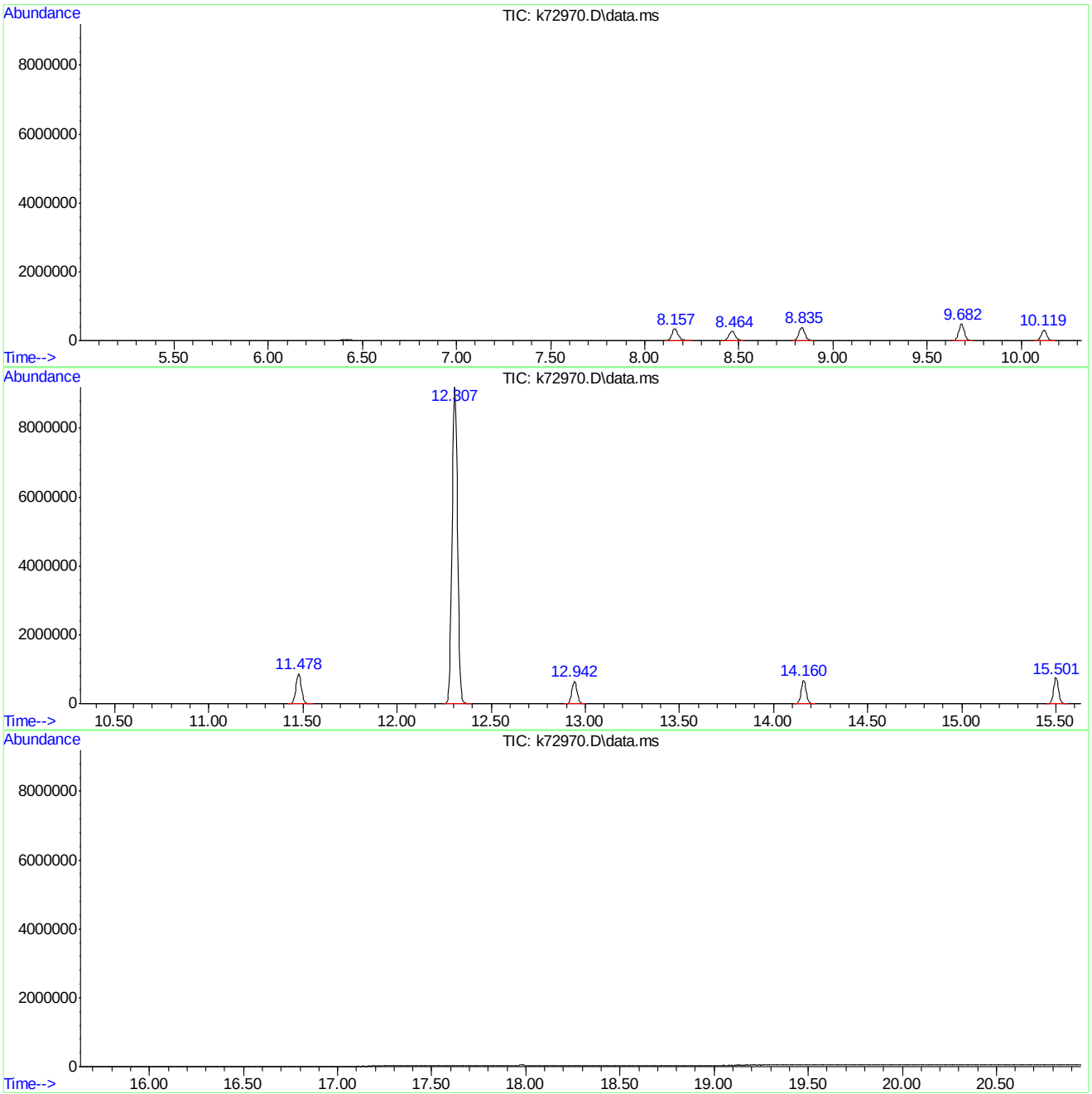
Sum of corrected areas: 28112310

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\130808\
Data File : k72970.D
Acq On : 8 Aug 2013 6:30 pm
Operator : GaryK
Sample : mc23272-4
Misc : ms29620tic,msk2375,9.350,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72970.D
Acq On : 8 Aug 2013 6:30 pm
Operator : GaryK
Sample : mc23272-4
Misc : ms29620tic,msk2375,9.350,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\130808\
Data File : k72970.D
Acq On : 8 Aug 2013 6:30 pm
Operator : GaryK
Sample : mc23272-4
Misc : ms29620tic,msk2375,9.350,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

7.1.8

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72996.D
Acq On : 9 Aug 2013 1:52 pm
Operator : GaryK
Sample : mc23272-4
Misc : ms29620,msk2376,9.35,,10,10,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 09 14:53:28 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.416	65	57531	500.00	ug/kg	-0.01
4) pentafluorobenzene	8.839	168	364511	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.687	114	544251	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.943	82	210397	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.502	152	262866	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.469	113	207225	54.92	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.84%			
63) toluene-d8 (s)	11.479	98	693471	50.82	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.64%			
87) bromofluorobenzene (s)	14.161	95	255864	50.93	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.86%			
Target Compounds						Qvalue
70) tetrachloroethene	12.308	166	446050	109.34	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

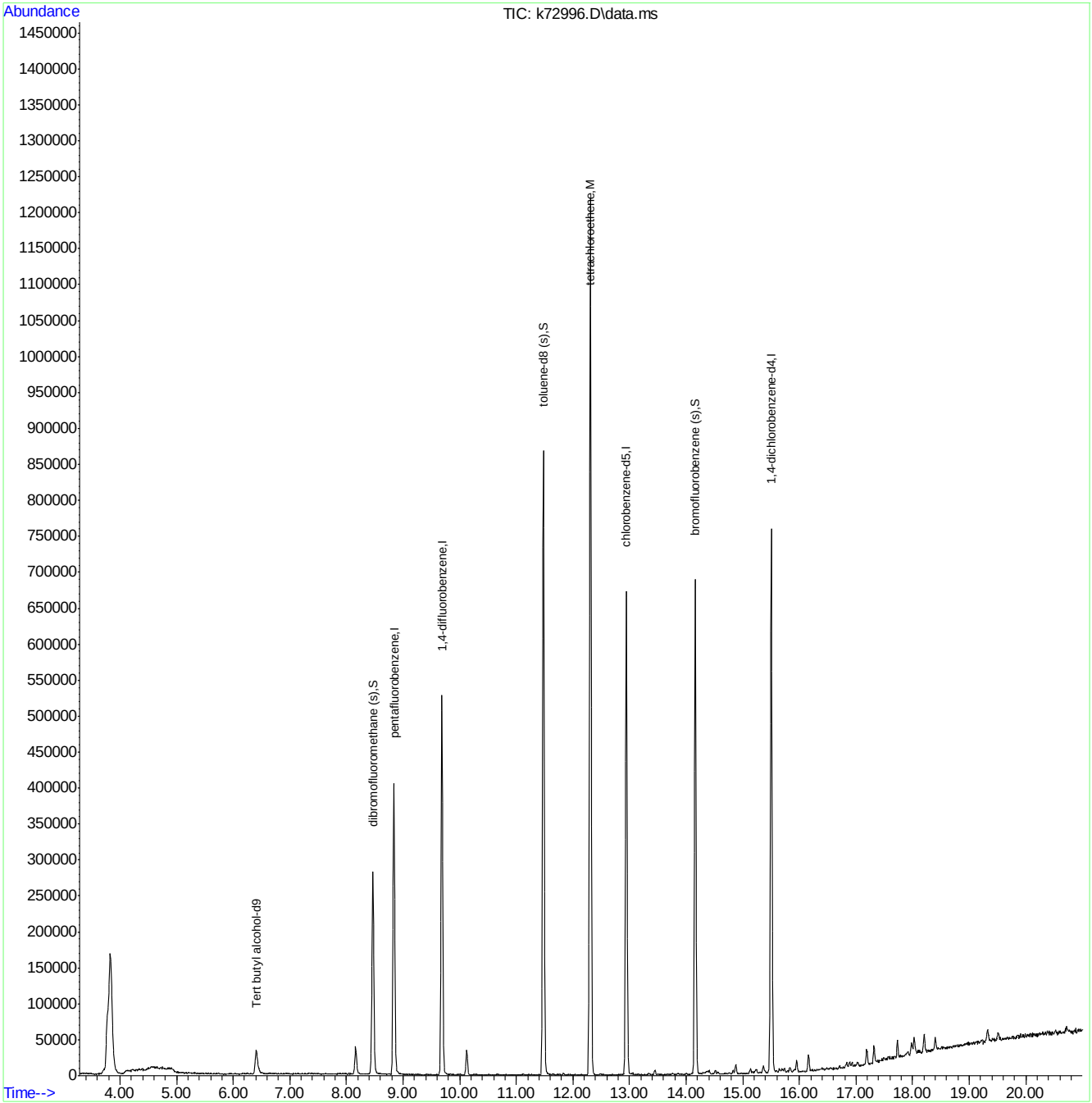
7.1.9

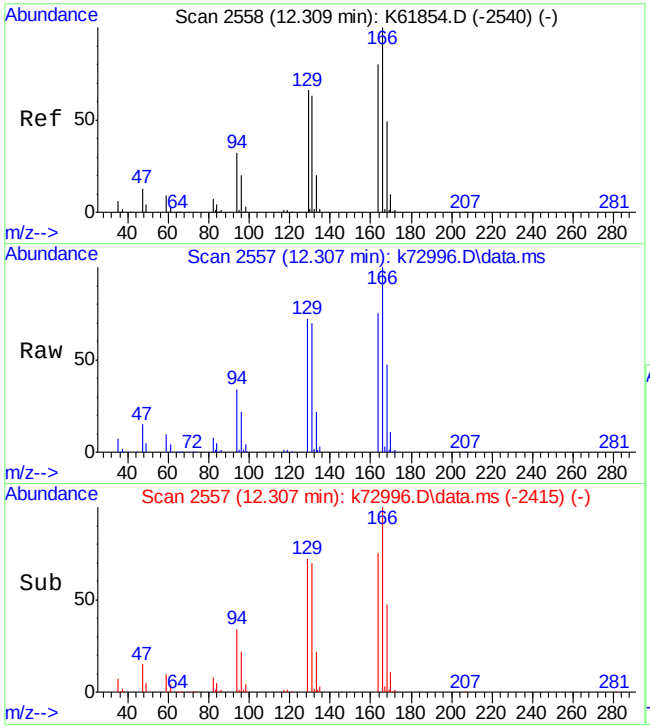
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72996.D
Acq On : 9 Aug 2013 1:52 pm
Operator : GaryK
Sample : mc23272-4
Misc : ms29620,msk2376,9.35,,10,10,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 09 14:53:28 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

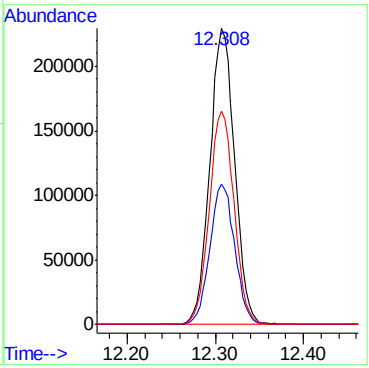




#70
tetrachloroethene
Concen: 109.34 ug/kg
RT: 12.308 min Scan# 2557
Delta R.T. 0.001 min
Lab File: k72996.D
Acq: 9 Aug 2013 1:52 pm

Tgt Ion:166 Resp: 446050

Ion	Ratio	Lower	Upper
166	100		
168	47.2	19.2	79.2
129	72.1	42.7	102.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130434.D
Acq On : 13 Aug 2013 1:20 pm
Operator : jaimem
Sample : mc23272-5
Misc : MS29648,MSG5087,10.073,,100,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 13 13:39:29 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

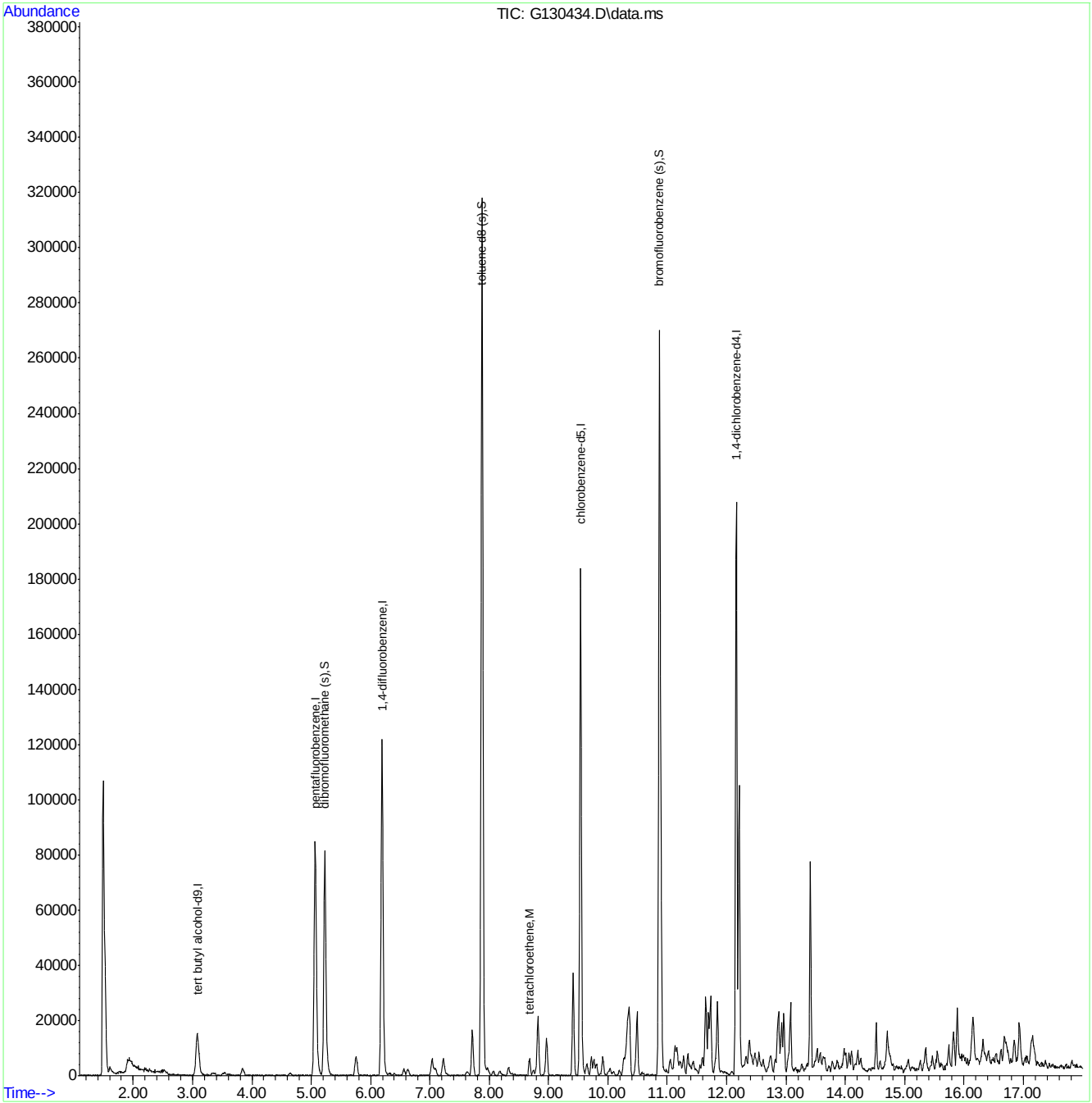
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.087	65	31946	500.00	ppb	0.00
4) pentafluorobenzene	5.073	168	82172	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.196	114	135969	50.00	ppb	0.00
66) chlorobenzene-d5	9.539	82	65631	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.163	152	62386	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	5.232	113	66626	51.72	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.44%			
60) toluene-d8 (s)	7.879	98	278218	51.81	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.62%			
82) bromofluorobenzene (s)	10.868	95	107051	51.87	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.74%			
Target Compounds						Qvalue
67) tetrachloroethene	8.679	166	2305	1.67	ppb	85

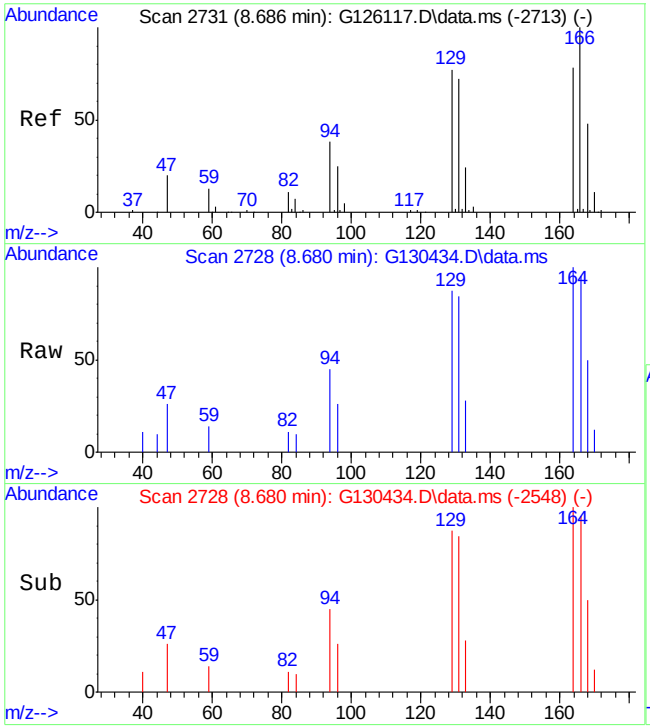
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130434.D
Acq On : 13 Aug 2013 1:20 pm
Operator : jaimem
Sample : mc23272-5
Misc : MS29648,MSG5087,10.073,,100,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 13 13:39:29 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

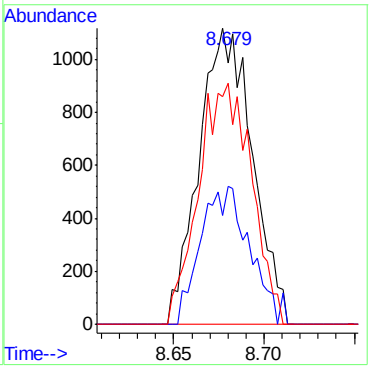




#67
tetrachloroethene
Concen: 1.67 ppb
RT: 8.679 min Scan# 2728
Delta R.T. -0.000 min
Lab File: G130434.D
Acq: 13 Aug 13 1:20 pm

Tgt Ion:166 Resp: 2305

Ion	Ratio	Lower	Upper
166	100		
168	52.9	15.8	75.8
129	92.1	47.3	107.3



7.1.10

7

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130434.D
Acq On : 13 Aug 2013 1:20 pm
Operator : jaimem
Sample : mc23272-5
Misc : MS29648,MSG5087,10.073,,100,10,1
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\g130628s.m
Title : SW-846 Method 8260

Signal : TIC: G130434.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.067	1396	1429	1466	rBV2	84881	229914	33.21%	6.075%
2	5.229	1466	1487	1536	rVB3	81604	212928	30.76%	5.626%
3	6.194	1786	1834	1866	rBV3	121904	289685	41.84%	7.654%
4	7.876	2406	2439	2466	rBV	317976	692314	100.00%	18.292%
5	9.414	2961	2992	3011	rBV4	37285	71458	10.32%	1.888%
6	9.539	3011	3037	3061	rBV2	183829	356053	51.43%	9.407%
7	10.354	3286	3330	3351	rVB9	24886	111059	16.04%	2.934%
8	10.490	3351	3379	3401	rBV2	23304	51559	7.45%	1.362%
9	10.869	3486	3515	3566	rBV4	269893	610903	88.24%	16.141%
10	11.650	3751	3796	3806	rBV5	27664	74015	10.69%	1.956%
11	11.731	3806	3825	3841	rVV6	27750	84539	12.21%	2.234%
12	11.845	3841	3866	3886	rVV5	25487	54653	7.89%	1.444%
13	12.165	3936	3981	3991	rBV2	207619	380644	54.98%	10.057%
14	12.209	3991	3997	4021	rVB	102308	163651	23.64%	4.324%
15	12.877	4206	4237	4246	rBV7	21664	60462	8.73%	1.597%
16	13.077	4281	4309	4331	rVB3	24480	52541	7.59%	1.388%
17	13.410	4391	4429	4446	rBV2	75647	131939	19.06%	3.486%
18	15.888	5311	5320	5376	rVB5	20277	50103	7.24%	1.324%
19	16.153	5391	5415	5456	rBV8	17156	55640	8.04%	1.470%
20	17.162	5751	5778	5821	rVB8	11321	50748	7.33%	1.341%

Sum of corrected areas: 3784808

Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/14/13 16:46

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71024.D
Acq On : 14 Aug 2013 3:18 pm
Operator : krystend
Sample : mc23272-6
Misc : ms29658,msp2326,4.864,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 14 15:44:15 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.092	65	419777	500.00	ug/kg	0.01
4) pentafluorobenzene	8.456	168	445266	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.312	114	519772m	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	185573	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.112	152	93942	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.093	113	256809	57.31	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 114.62%#			
60) toluene-d8 (s)	11.097	98	514032	35.70	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 71.40%#			
82) bromofluorobenzene (s)	13.778	95	114335	48.47	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 96.94%#			
Target Compounds						Qvalue
6) chloromethane	4.111	50	17620	4.62	ug/kg	97
16) acetone	5.715	58	78183	175.11	ug/kg	96
18) methylene chloride	6.280	84	85518	25.65	ug/kg#	81
22) trans-1,2-dichloroethene	6.947	96	5268	1.33	ug/kg	91
24) carbon disulfide	6.536	76	20244	11.18	ug/kg	90
30) 2-butanone	7.634	72	10123	17.58	ug/kg#	1
36) cis-1,2-dichloroethene	7.769	96	111281	24.82	ug/kg	90
39) chloroform	7.971	83	4809	0.56	ug/kg	85
44) Cyclohexane	8.988	56	3349	0.46	ug/kg#	81
51) trichloroethene	9.723	95	130918	29.38	ug/kg	92
62) toluene	11.158	92	10367	1.11	ug/kg#	70
67) tetrachloroethene	11.899	166	35239	14.43	ug/kg	97
74) ethylbenzene	12.761	91	4400	0.38	ug/kg	71
75) m,p-xylene	12.949	106	4168	0.98	ug/kg#	38
100) 1,2,4-trichlorobenzene	17.335	180	3272	3.79	ug/kg	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

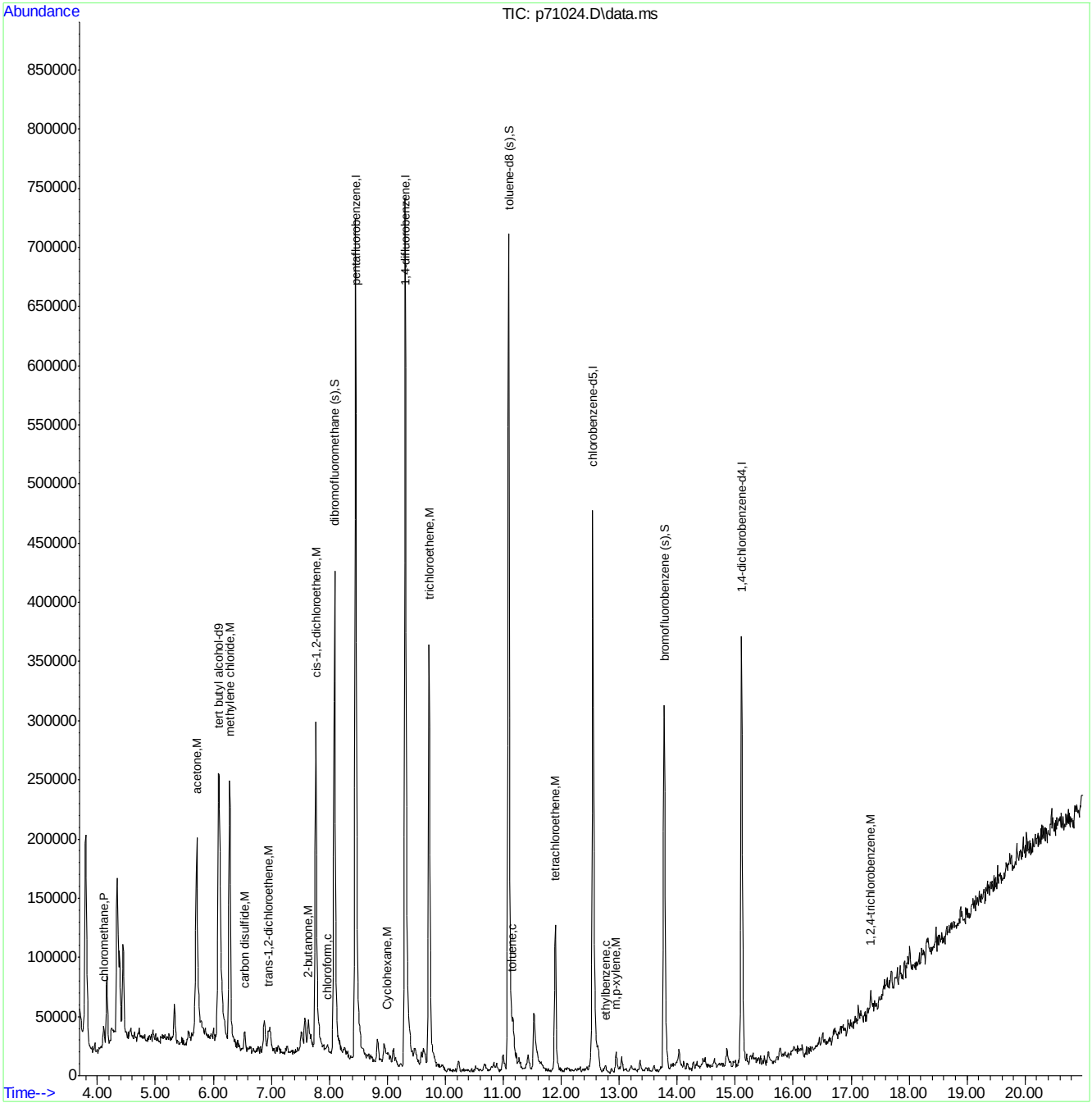
7.1.12

7

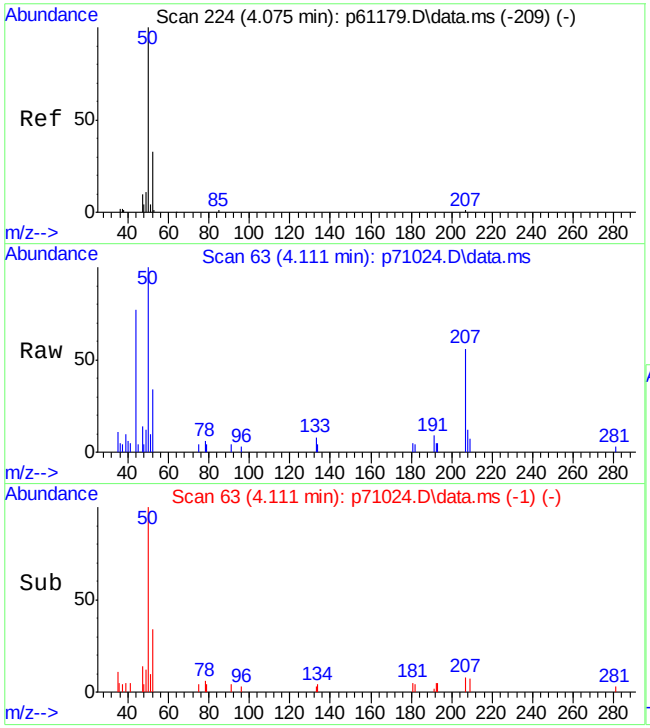
Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71024.D
Acq On : 14 Aug 2013 3:18 pm
Operator : krystend
Sample : mc23272-6
Misc : ms29658,msp2326,4.864,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 14 15:44:15 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



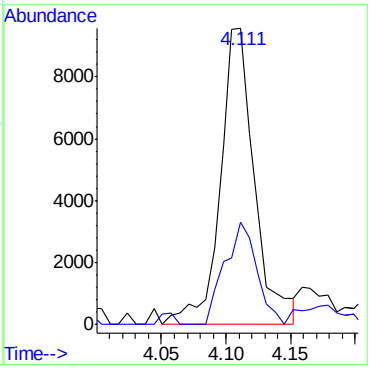
P130805S.M Wed Aug 14 15:45:15 2013 Page: 2

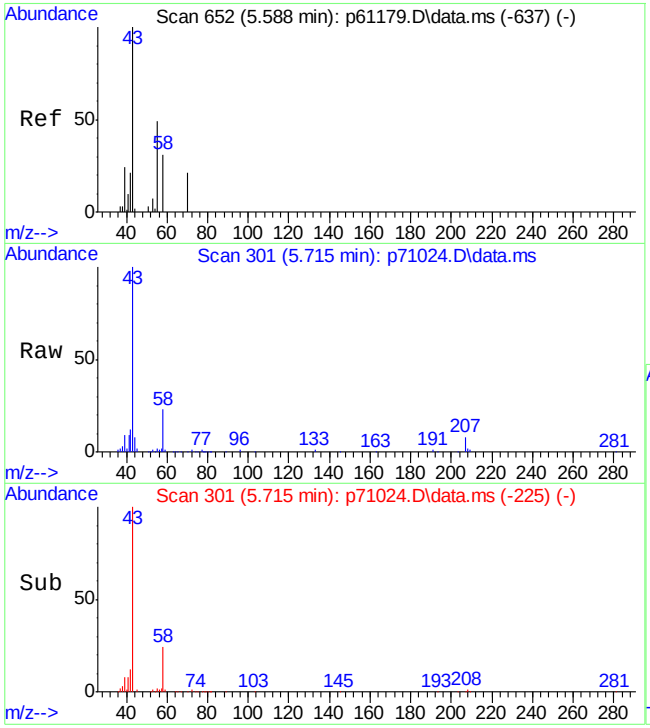


#6
chloromethane
Concen: 4.62 ug/kg
RT: 4.111 min Scan# 63
Delta R.T. 0.007 min
Lab File: p71024.D
Acq: 14 Aug 2013 3:18 pm

Tgt Ion: 50 Resp: 17620

Ion	Ratio	Lower	Upper
50	100		
52	31.0	2.6	62.6

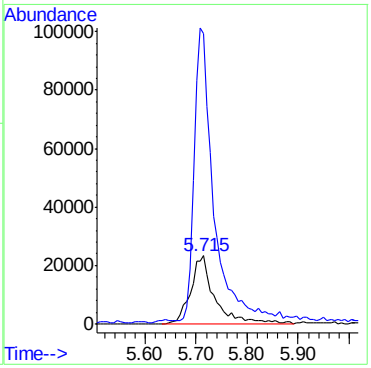


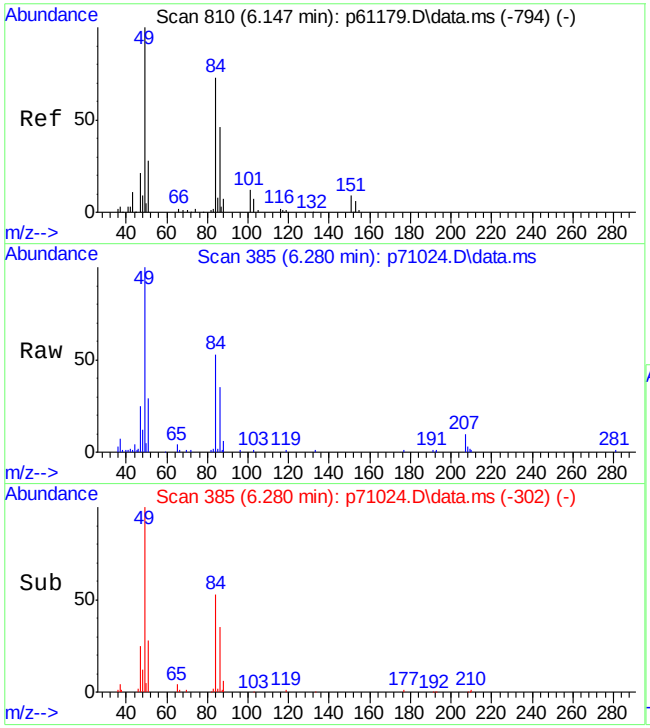


#16
acetone
Concen: 175.11 ug/kg
RT: 5.715 min Scan# 301
Delta R.T. 0.014 min
Lab File: p71024.D
Acq: 14 Aug 2013 3:18 pm

Tgt Ion: 58 Resp: 78183

Ion	Ratio	Lower	Upper
58	100		
43	421.6	383.1	443.1

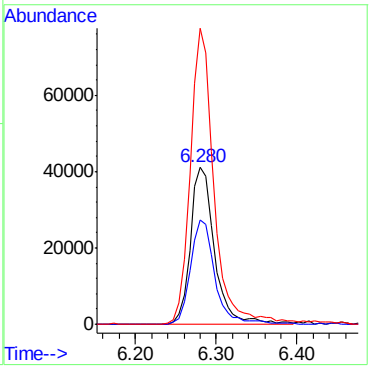


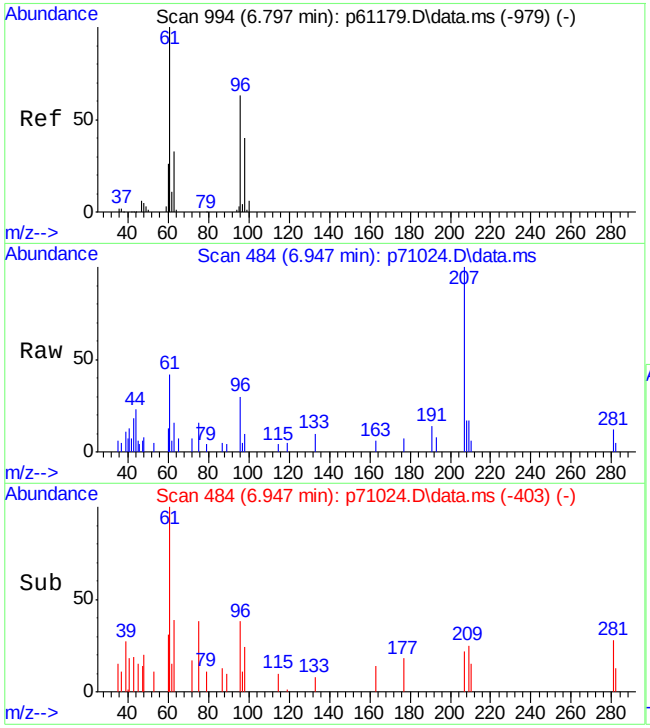


#18
methylene chloride
Concen: 25.65 ug/kg
RT: 6.280 min Scan# 385
Delta R.T. 0.000 min
Lab File: p71024.D
Acq: 14 Aug 2013 3:18 pm

Tgt Ion: 84 Resp: 85518

Ion	Ratio	Lower	Upper
84	100		
86	66.7	37.0	97.0
49	188.4	123.7	183.7#

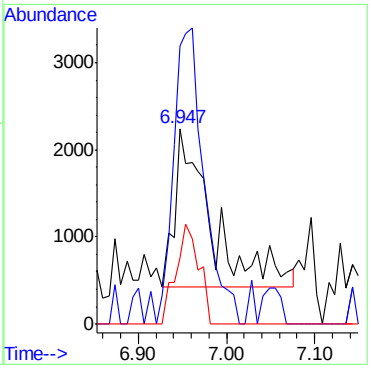


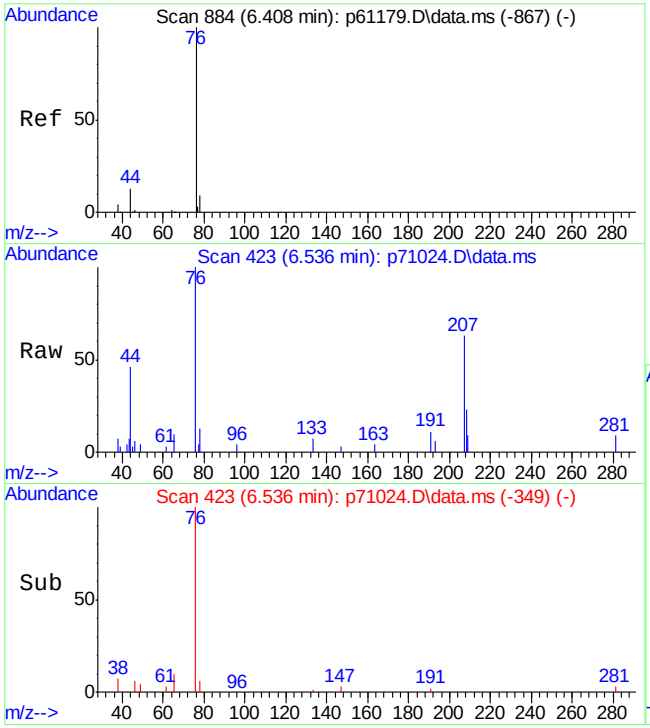


#22
trans-1,2-dichloroethene
Concen: 1.33 ug/kg
RT: 6.947 min Scan# 484
Delta R.T. -0.007 min
Lab File: p71024.D
Acq: 14 Aug 2013 3:18 pm

Tgt Ion: 96 Resp: 5268

Ion	Ratio	Lower	Upper
96	100		
61	175.9	151.6	211.6
98	42.0	31.7	91.7

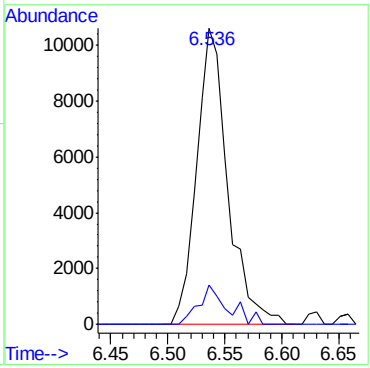


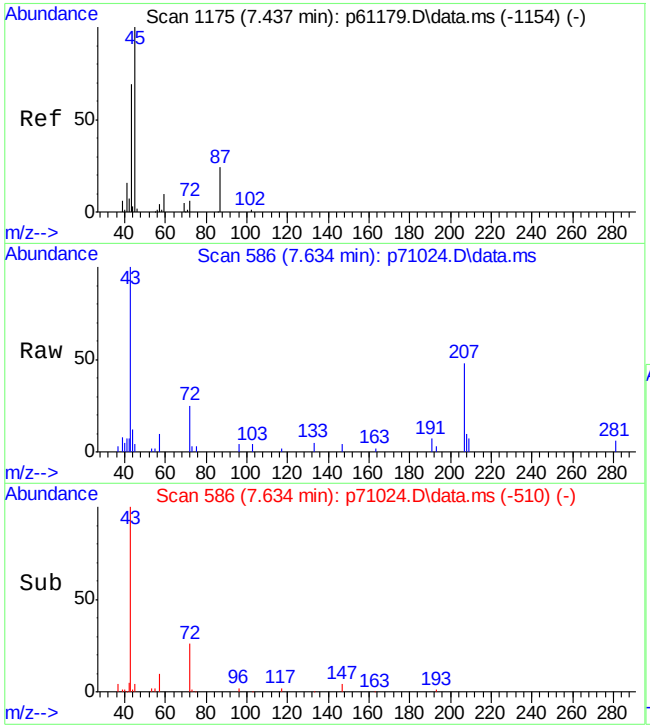


#24
carbon disulfide
Concen: 11.18 ug/kg
RT: 6.536 min Scan# 423
Delta R.T. 0.000 min
Lab File: p71024.D
Acq: 14 Aug 2013 3:18 pm

Tgt Ion: 76 Resp: 20244

Ion	Ratio	Lower	Upper
76	100		
78	13.1	0.0	39.3

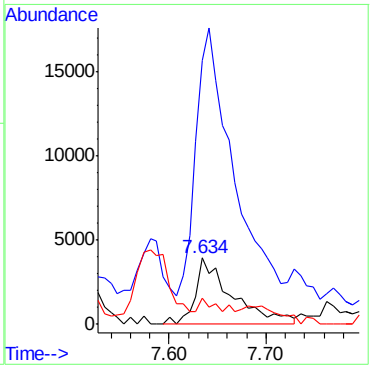


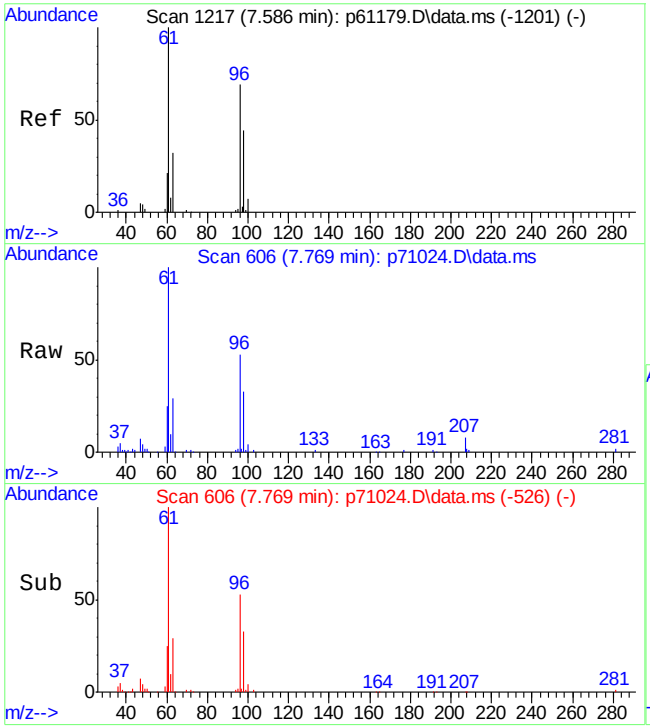


#30
2-butanone
Concen: 17.58 ug/kg
RT: 7.634 min Scan# 586
Delta R.T. 0.013 min
Lab File: p71024.D
Acq: 14 Aug 2013 3:18 pm

Tgt Ion: 72 Resp: 10123

Ion	Ratio	Lower	Upper
72	100		
43	329.1	1532.5	1592.5#
57	24.5	56.3	116.3#

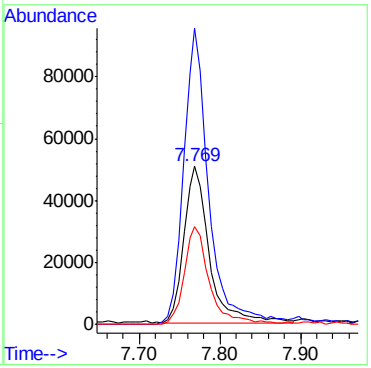


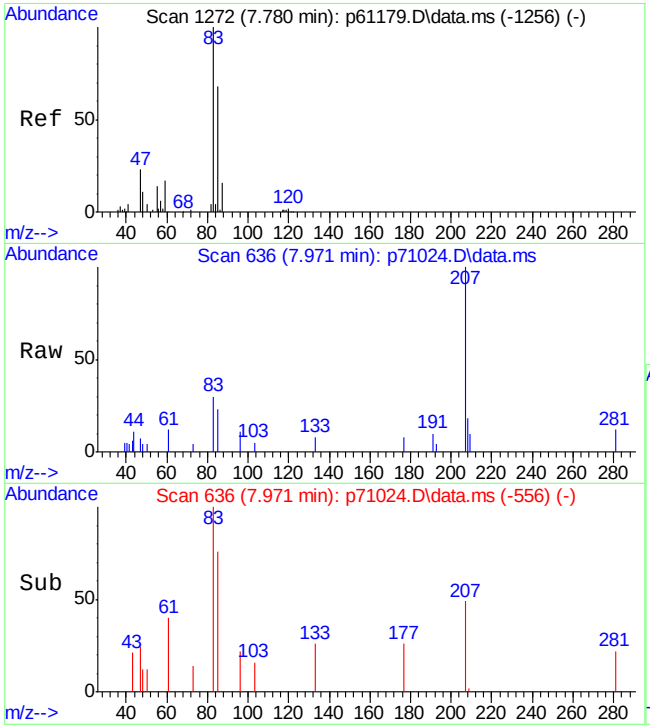


#36
cis-1,2-dichloroethene
Concen: 24.82 ug/kg
RT: 7.769 min Scan# 606
Delta R.T. 0.007 min
Lab File: p71024.D
Acq: 14 Aug 2013 3:18 pm

Tgt Ion: 96 Resp: 111281

Ion	Ratio	Lower	Upper
96	100		
61	187.2	139.0	199.0
98	62.0	31.9	91.9

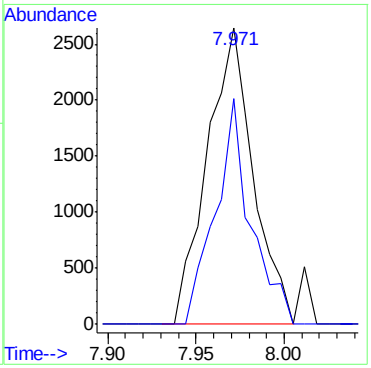


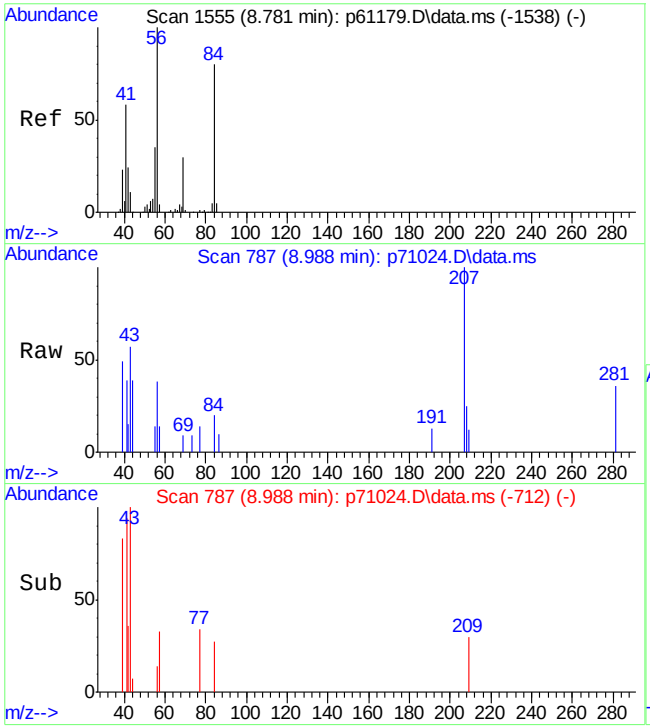


#39
chloroform
Concen: 0.56 ug/kg
RT: 7.971 min Scan# 636
Delta R.T. 0.007 min
Lab File: p71024.D
Acq: 14 Aug 2013 3:18 pm

Tgt Ion: 83 Resp: 4809

Ion	Ratio	Lower	Upper
83	100		
85	76.3	34.5	94.5

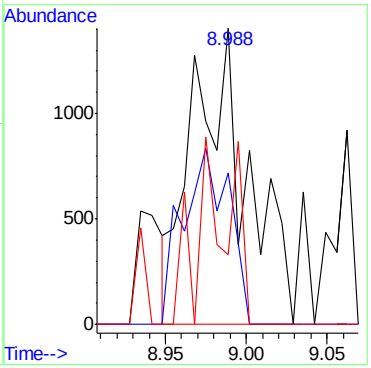


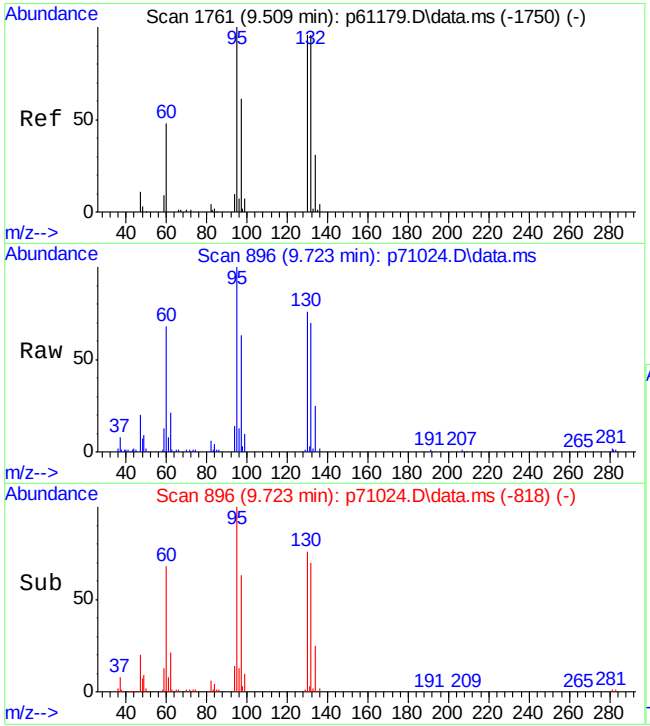


#44
Cyclohexane
Concen: 0.46 ug/kg
RT: 8.988 min Scan# 787
Delta R.T. 0.006 min
Lab File: p71024.D
Acq: 14 Aug 2013 3:18 pm

Tgt Ion: 56 Resp: 3349

Ion	Ratio	Lower	Upper
56	100		
84	51.0	56.6	84.8#
69	23.6	21.9	32.9

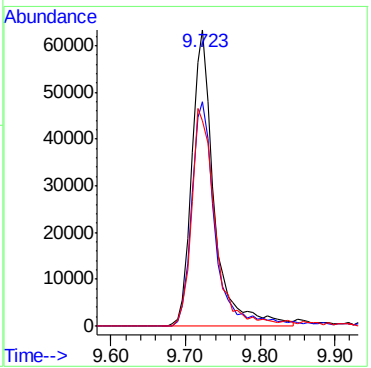


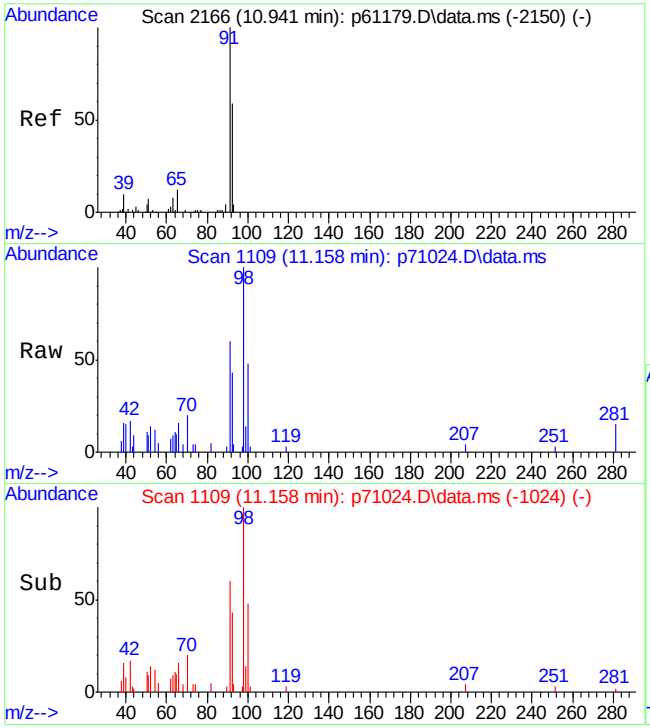


#51
trichloroethene
Concen: 29.38 ug/kg
RT: 9.723 min Scan# 896
Delta R.T. 0.007 min
Lab File: p71024.D
Acq: 14 Aug 2013 3:18 pm

Tgt Ion: 95 Resp: 130918

Ion	Ratio	Lower	Upper
95	100		
130	75.8	54.1	114.1
132	69.5	46.2	106.2

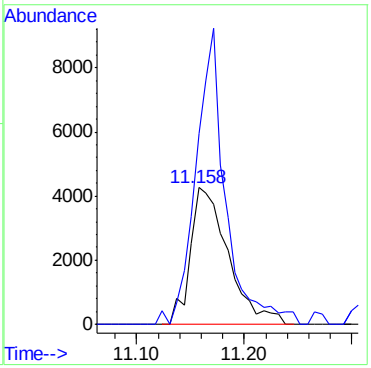


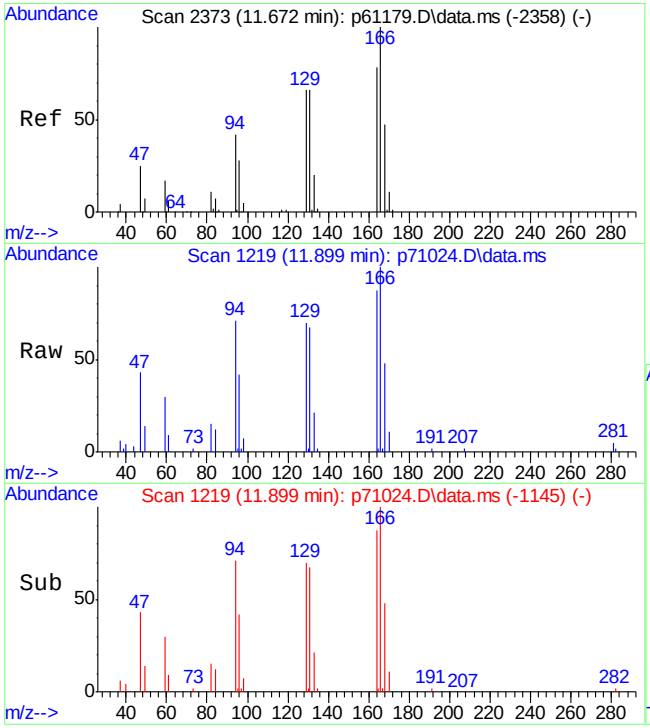


#62
toluene
Concen: 1.11 ug/kg
RT: 11.158 min Scan# 1109
Delta R.T. -0.006 min
Lab File: p71024.D
Acq: 14 Aug 2013 3:18 pm

Tgt Ion: 92 Resp: 10367

Ion	Ratio	Lower	Upper
92	100		
91	130.4	142.4	202.4#

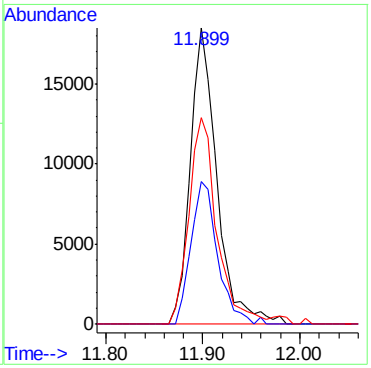


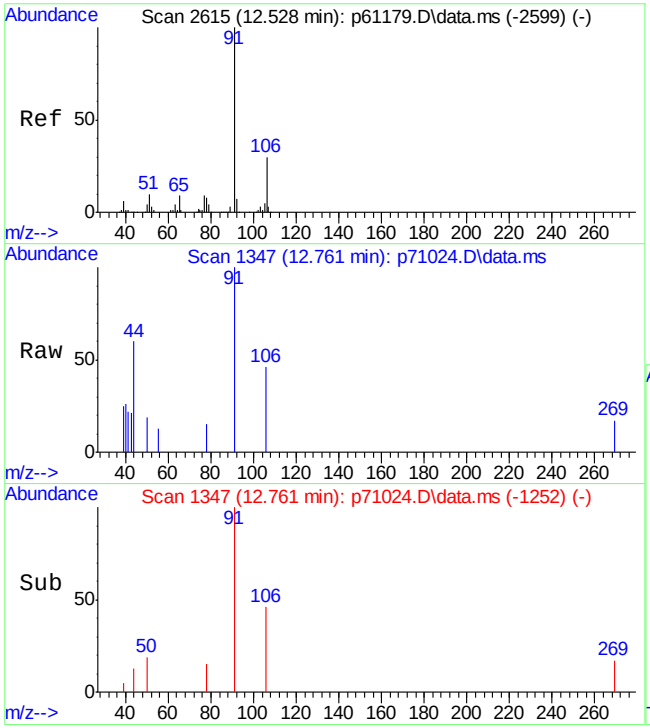


#67
tetrachloroethene
Concen: 14.43 ug/kg
RT: 11.899 min Scan# 1219
Delta R.T. 0.001 min
Lab File: p71024.D
Acq: 14 Aug 2013 3:18 pm

Tgt Ion:166 Resp: 35239

Ion	Ratio	Lower	Upper
166	100		
168	48.2	20.3	80.3
129	69.8	41.7	101.7

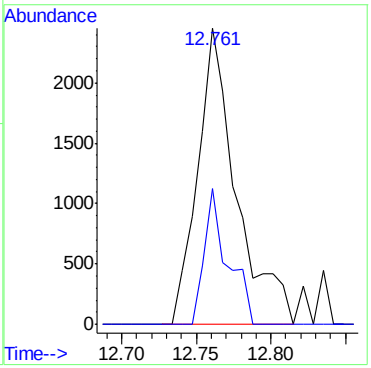


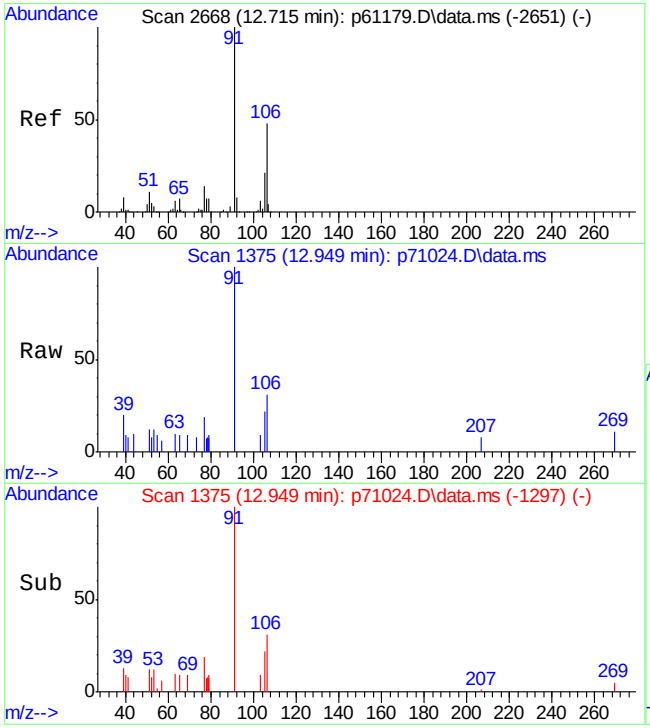


#74
ethylbenzene
Concen: 0.38 ug/kg
RT: 12.761 min Scan# 1347
Delta R.T. 0.007 min
Lab File: p71024.D
Acq: 14 Aug 2013 3:18 pm

Tgt Ion: 91 Resp: 4400

Ion	Ratio	Lower	Upper
91	100		
106	46.0	0.0	60.0

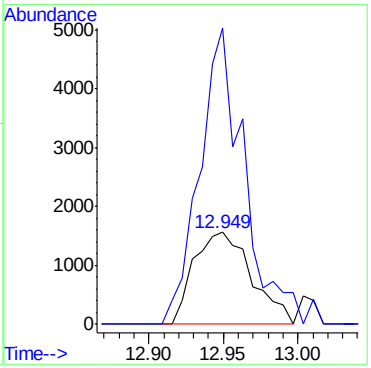


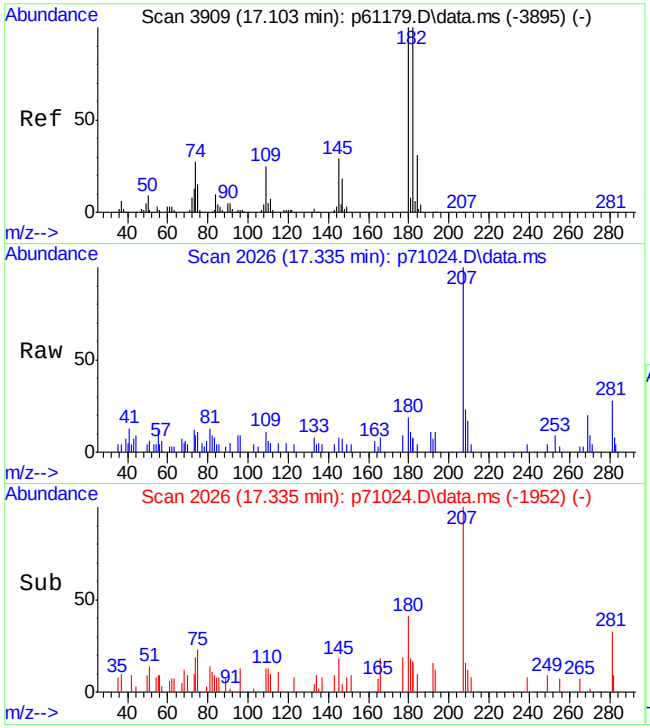


#75
m,p-xylene
Concen: 0.98 ug/kg
RT: 12.949 min Scan# 1375
Delta R.T. 0.006 min
Lab File: p71024.D
Acq: 14 Aug 2013 3:18 pm

Tgt Ion:106 Resp: 4168

Ion	Ratio	Lower	Upper
106	100		
91	322.9	192.4	252.4#

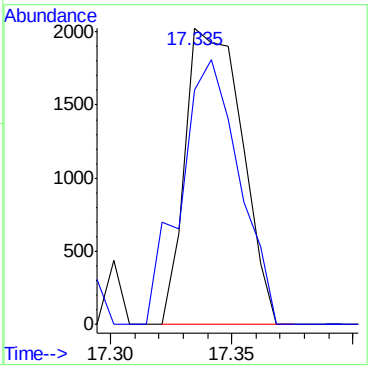




#100
1,2,4-trichlorobenzene
Concen: 3.79 ug/kg
RT: 17.335 min Scan# 2026
Delta R.T. -0.000 min
Lab File: p71024.D
Acq: 14 Aug 2013 3:18 pm

Tgt Ion:180 Resp: 3272

Ion	Ratio	Lower	Upper
180	100		
182	79.1	64.7	124.7



LSC Area Percent Report

Data Path : C:\msdchem\1\data\P130814\
Data File : p71024.D
Acq On : 14 Aug 2013 3:18 pm
Operator : krystend
Sample : mc23272-6
Misc : ms29658,msp2326,4.864,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\P130805S.M
Title : SW-846 Method 8260

Signal : TIC: p71024.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.331	240	244	250	rVB3	33576	64875	4.18%	0.547%
2	5.715	293	301	310	rBV	164614	411726	26.53%	3.469%
3	6.092	350	357	379	rVB	225411	780133	50.27%	6.573%
4	6.280	379	385	393	rBV	218017	418796	26.99%	3.528%
5	6.543	419	424	428	rVB2	17236	33290	2.15%	0.280%
6	6.880	468	474	480	rBV6	26632	69374	4.47%	0.584%
7	6.974	481	488	496	rVB9	20357	71210	4.59%	0.600%
8	7.520	564	569	574	rBV3	14927	38125	2.46%	0.321%
9	7.581	574	578	583	rBV3	21782	36570	2.36%	0.308%
10	7.641	583	587	590	rBV3	19868	34921	2.25%	0.294%
11	7.769	600	606	620	rVB	273819	589166	37.97%	4.964%
12	8.093	645	654	666	rBV	408283	891467	57.45%	7.511%
13	8.456	701	708	726	rBV	708673	1485635	95.74%	12.517%
14	8.827	758	763	769	rBV7	19318	46219	2.98%	0.389%
15	8.941	776	780	786	rBV3	15413	40425	2.61%	0.341%
16	9.110	800	805	808	rBV2	12194	22985	1.48%	0.194%
17	9.312	828	835	851	rBV	733765	1551762	100.00%	13.074%
18	9.628	878	882	889	rVB6	12243	30193	1.95%	0.254%
19	9.723	889	896	908	rBV	353481	714791	46.06%	6.022%
20	10.228	965	971	978	rVB5	9576	21787	1.40%	0.184%
21	11.003	1078	1086	1088	rBV7	13428	29619	1.91%	0.250%
22	11.090	1093	1099	1108	rBV	705862	1456514	93.86%	12.272%
23	11.528	1158	1164	1177	rBV4	47359	157855	10.17%	1.330%
24	11.899	1213	1219	1229	rVB2	122532	237799	15.32%	2.004%
25	12.545	1306	1315	1326	rBV	470297	998395	64.34%	8.412%
26	12.761	1342	1347	1355	rVB5	6127	15818	1.02%	0.133%
27	12.943	1370	1374	1382	rBV4	16815	37288	2.40%	0.314%
28	13.044	1385	1389	1393	rVB4	11894	21391	1.38%	0.180%
29	13.778	1492	1498	1510	rVB	306867	636976	41.05%	5.367%
30	14.027	1525	1535	1541	rBV5	13737	37967	2.45%	0.320%
31	14.856	1651	1658	1661	rBV4	15515	29498	1.90%	0.249%
32	15.112	1686	1696	1706	rBV	362902	738591	47.60%	6.223%
33	15.570	1760	1764	1773	rVB7	10347	26484	1.71%	0.223%
34	15.772	1789	1794	1798	rBV7	10119	23788	1.53%	0.200%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\P130814\
Data File : p71024.D
Acq On : 14 Aug 2013 3:18 pm
Operator : krystend
Sample : mc23272-6
Misc : ms29658,msp2326,4.864,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\P130805S.M
Title : SW-846 Method 8260

35	16.944	1964	1968	1970	rBV4	13754	25571	1.65%	0.215%
36	17.288	2016	2019	2020	rBV3	11424	16094	1.04%	0.136%
37	17.335	2024	2026	2031	rVV5	16689	25931	1.67%	0.218%

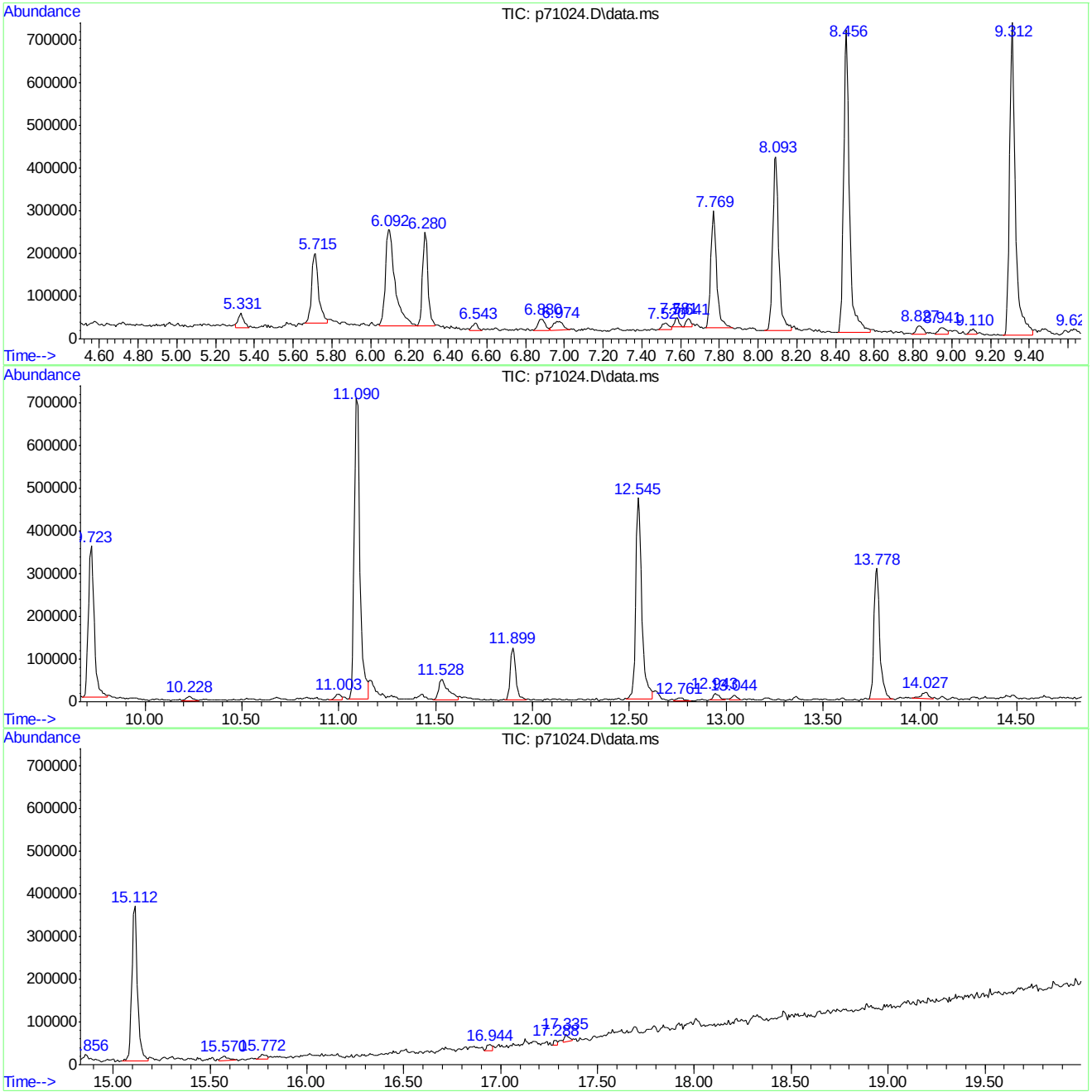
Sum of corrected areas: 11869029

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\P130814\
Data File : p71024.D
Acq On : 14 Aug 2013 3:18 pm
Operator : krystend
Sample : mc23272-6
Misc : ms29658,msp2326,4.864,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\P130814\
Data File : p71024.D
Acq On : 14 Aug 2013 3:18 pm
Operator : krystend
Sample : mc23272-6
Misc : ms29658,msp2326,4.864,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\P130814\
Data File : p71024.D
Acq On : 14 Aug 2013 3:18 pm
Operator : krystend
Sample : mc23272-6
Misc : ms29658,msp2326,4.864,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72953.D
Acq On : 8 Aug 2013 10:47 am
Operator : GaryK
Sample : mb
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 08 12:56:16 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

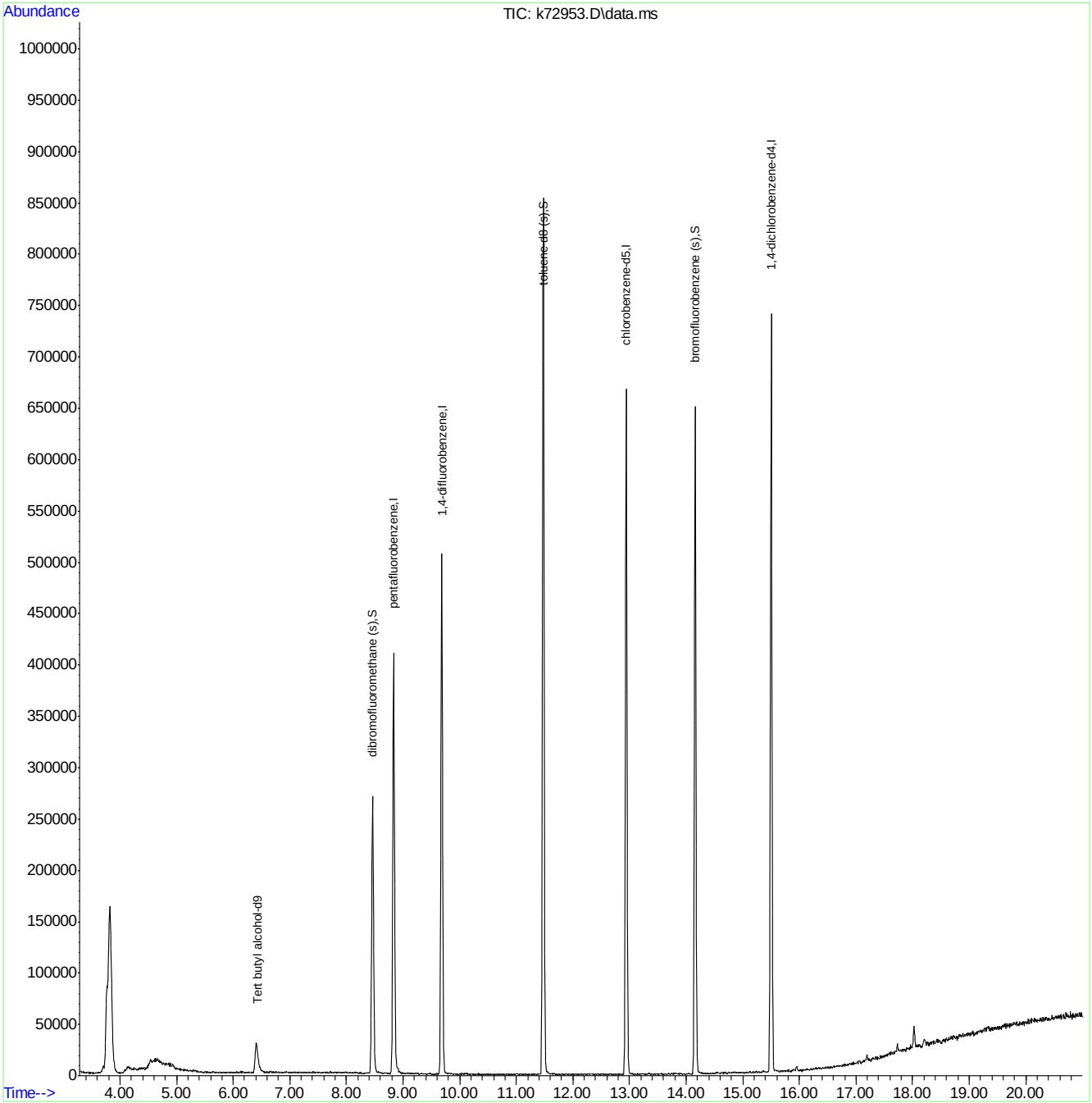
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.421	65	57124	500.00	ug/kg	0.00
4) pentafluorobenzene	8.836	168	361245	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.683	114	531286	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.942	82	208214	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	254827	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.465	113	201349	53.84	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.68%			
63) toluene-d8 (s)	11.477	98	680235	51.07	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.14%			
87) bromofluorobenzene (s)	14.160	95	245502	50.40	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.80%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72953.D
Acq On : 8 Aug 2013 10:47 am
Operator : GaryK
Sample : mb
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 08 12:56:16 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\data\130808\
Data File : k72953.D
Acq On : 8 Aug 2013 10:47 am
Operator : GaryK
Sample : mb
Misc : ms29620tic,msk2375,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\K130807S.m
Title : SW-846 Method 8260

Signal : TIC: k72953.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.407	871	885	899	rBV2	29116	94313	5.68%	1.154%
2	8.461	1453	1467	1488	rBV3	269538	618568	37.23%	7.570%
3	8.835	1557	1573	1591	rBV	409552	891578	53.66%	10.911%
4	9.682	1800	1813	1831	rBV2	506985	1047368	63.03%	12.817%
5	11.478	2308	2322	2337	rBV	853347	1661590	100.00%	20.334%
6	12.942	2723	2737	2754	rBV	667431	1264914	76.13%	15.480%
7	14.160	3068	3082	3097	rBV	649947	1196680	72.02%	14.645%
8	15.501	3447	3462	3477	rBV2	738476	1362016	81.97%	16.668%
9	18.024	4171	4177	4187	rVB7	20635	34442	2.07%	0.421%

Sum of corrected areas: 8171469

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72991.D
Acq On : 9 Aug 2013 11:34 am
Operator : GaryK
Sample : mb
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 09 13:09:32 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

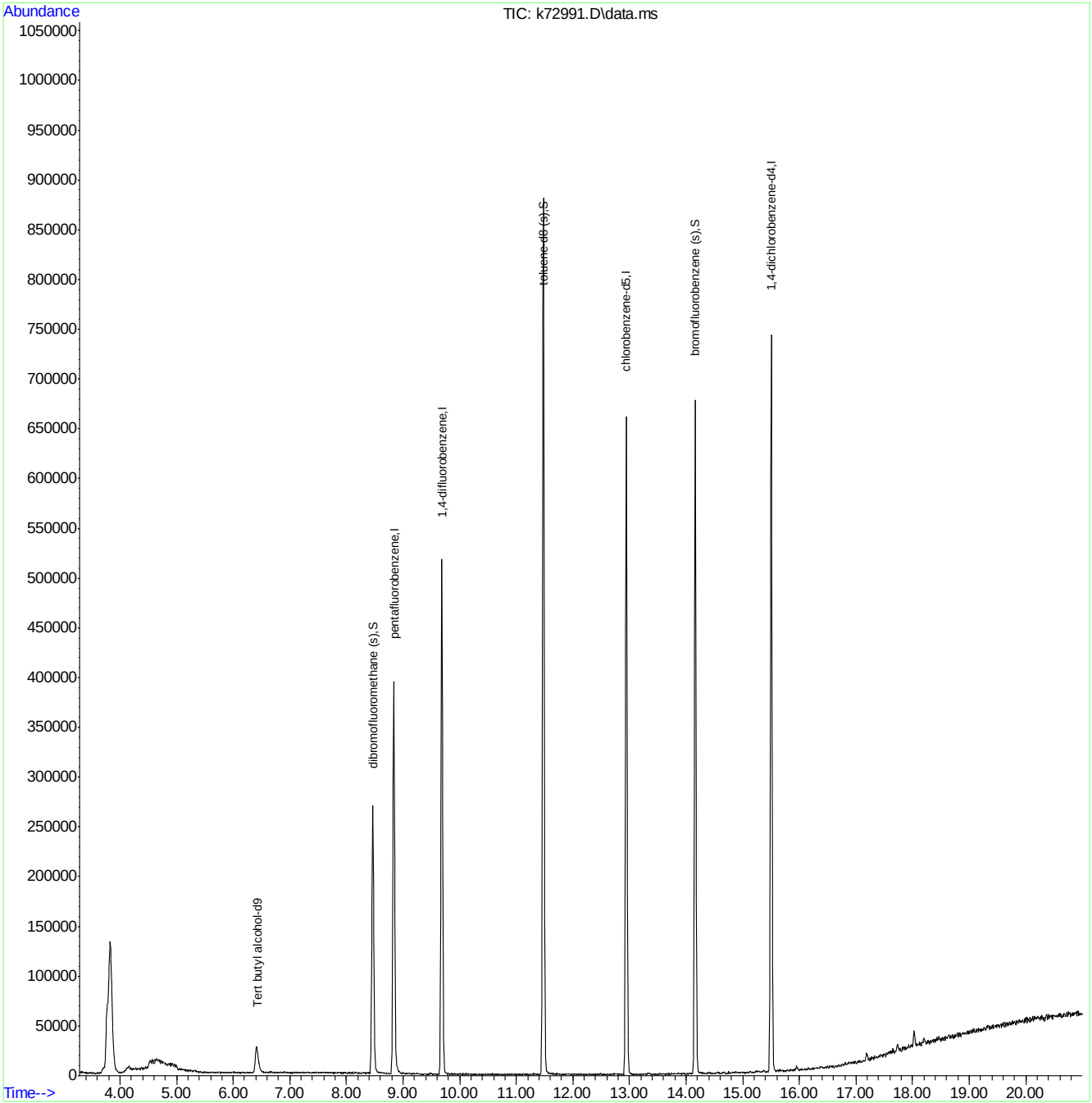
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.425	65	54314	500.00	ug/kg	0.00
4) pentafluorobenzene	8.838	168	359943	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.685	114	529718	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.943	82	208764	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.502	152	251544	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.468	113	204506	54.89	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.78%			
63) toluene-d8 (s)	11.479	98	705804	53.15	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.30%			
87) bromofluorobenzene (s)	14.161	95	252071	52.43	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.86%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72991.D
Acq On : 9 Aug 2013 11:34 am
Operator : GaryK
Sample : mb
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 09 13:09:32 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130429.D
Acq On : 13 Aug 2013 10:59 am
Operator : jaimem
Sample : mb
Misc : MS29648,MSG5087,10,,100,10,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 13 11:25:16 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

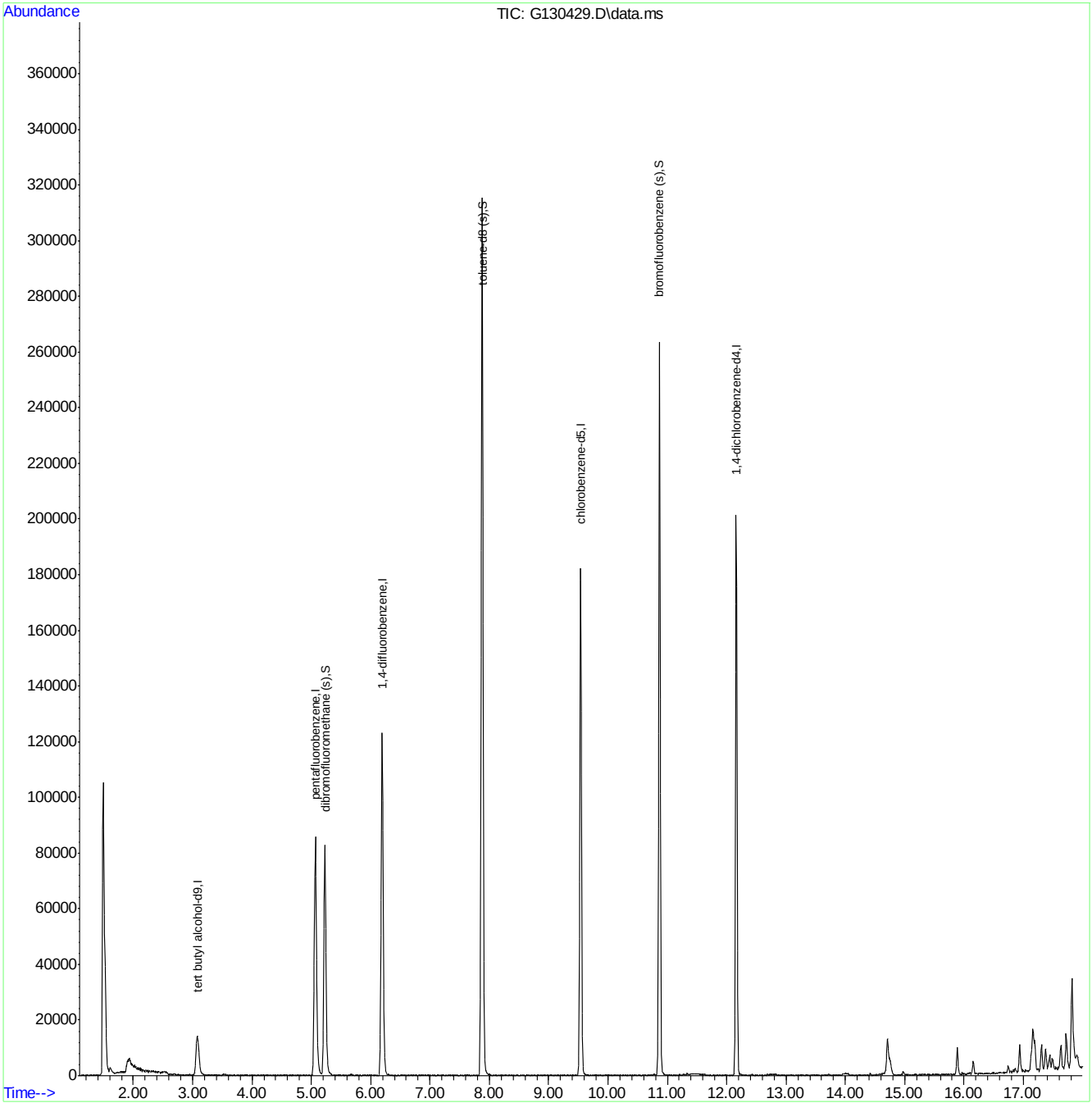
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.086	65	29657	500.00	ppb	0.00
4) pentafluorobenzene	5.072	168	84434	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.196	114	138456	50.00	ppb	0.00
66) chlorobenzene-d5	9.539	82	66120	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.163	152	62556	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	5.232	113	68009	51.38	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.76%			
60) toluene-d8 (s)	7.879	98	276538	50.58	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.16%			
82) bromofluorobenzene (s)	10.868	95	104982	50.73	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.46%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130429.D
Acq On : 13 Aug 2013 10:59 am
Operator : jaimem
Sample : mb
Misc : MS29648,MSG5087,10,,100,10,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 13 11:25:16 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration



g130628s.m Tue Aug 13 11:25:20 2013 Page: 2

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130429.D
Acq On : 13 Aug 2013 10:59 am
Operator : jaimem
Sample : mb
Misc : MS29648,MSG5087,10,,100,10,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\g130628s.m
Title : SW-846 Method 8260

Signal : TIC: G130429.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.069	1406	1430	1466	rBV2	85698	227304	32.99%	8.541%
2	5.227	1466	1487	1541	rVB2	82795	209654	30.43%	7.878%
3	6.192	1801	1834	1901	rBB	123118	297060	43.12%	11.162%
4	7.875	2411	2439	2501	rBV2	315268	688905	100.00%	25.885%
5	9.541	3016	3038	3086	rVB2	182151	353117	51.26%	13.268%
6	10.867	3496	3515	3581	rVB2	263552	466216	67.67%	17.518%
7	12.160	3946	3980	4016	rVB3	201152	362430	52.61%	13.618%
8	17.158	5741	5777	5816	rBV7	15088	56678	8.23%	2.130%

Sum of corrected areas: 2661364

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71020.D
Acq On : 14 Aug 2013 1:26 pm
Operator : krystend
Sample : mb
Misc : ms29647,msp2326,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 14 14:20:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

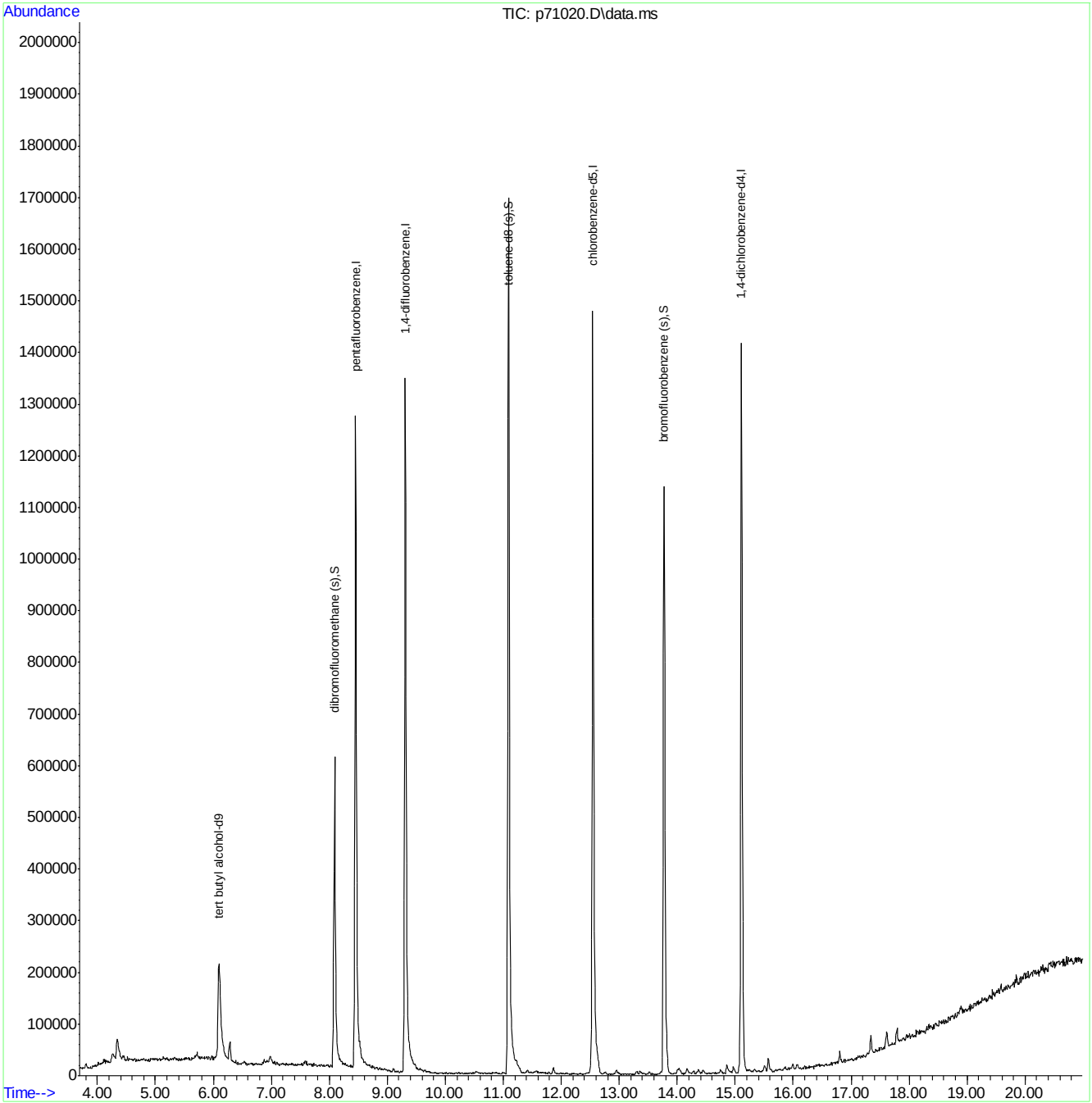
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.098	65	361183	500.00	ug/kg	0.02
4) pentafluorobenzene	8.456	168	795203	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.312	114	985586	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	563101	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	369044	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.092	113	377429	47.16	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 94.32%#			
60) toluene-d8 (s)	11.090	98	1181799	43.28	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 86.56%#			
82) bromofluorobenzene (s)	13.771	95	418481	45.16	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 90.32%#			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71020.D
Acq On : 14 Aug 2013 1:26 pm
Operator : krystend
Sample : mb
Misc : ms29647,msp2326,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 14 14:20:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\data\P130814\
Data File : p71020.D
Acq On : 14 Aug 2013 1:26 pm
Operator : krystend
Sample : mb
Misc : ms29658tic,msp2326,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\P130805S.M
Title : SW-846 Method 8260

Signal : TIC: p71020.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.098	351	358	379	rVV	184053	655334	18.80%	3.378%
2	6.287	381	386	391	rVB	35995	67121	1.93%	0.346%
3	8.092	647	654	666	rBV	601902	1304288	37.42%	6.722%
4	8.456	702	708	729	rBV	1258173	2640659	75.77%	13.610%
5	9.312	828	835	864	rBV	1343261	2906211	83.39%	14.979%
6	11.090	1093	1099	1118	rBV	1695351	3485188	100.00%	17.963%
7	12.545	1302	1315	1334	rBV	1476345	3018301	86.60%	15.556%
8	13.771	1491	1497	1513	rVB	1135593	2263852	64.96%	11.668%
9	14.856	1654	1658	1666	rBV9	16661	40995	1.18%	0.211%
10	15.105	1685	1695	1708	rBV	1413564	2756422	79.09%	14.207%
11	15.570	1760	1764	1769	rBV2	25567	46965	1.35%	0.242%
12	16.802	1943	1947	1950	rBV6	23428	36867	1.06%	0.190%
13	17.341	2023	2027	2034	rVB8	34164	58843	1.69%	0.303%
14	17.611	2063	2067	2073	rBV8	29852	63892	1.83%	0.329%
15	17.793	2089	2094	2097	rBV6	31715	57393	1.65%	0.296%

Sum of corrected areas: 19402331

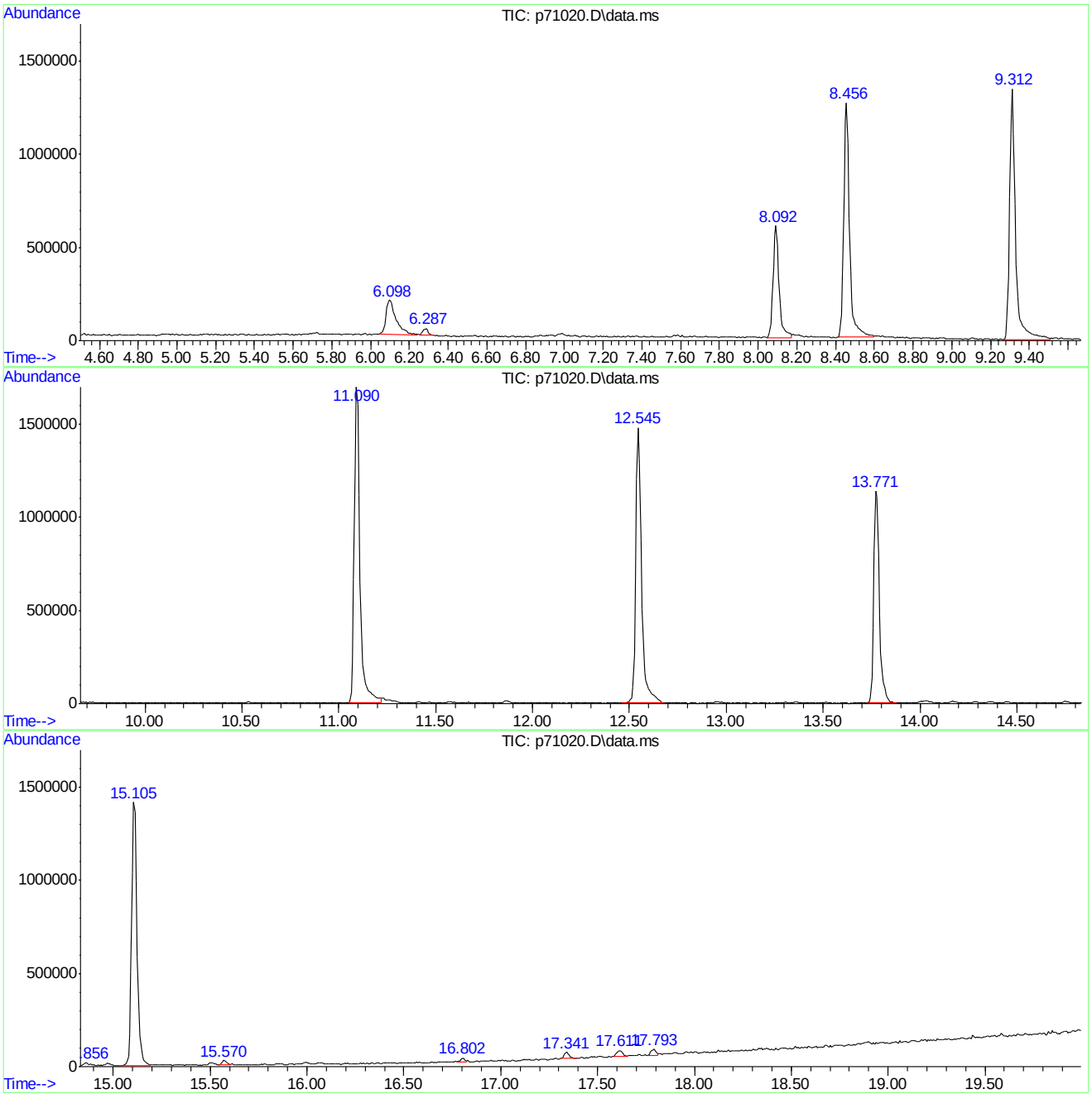
ACCUTEST LABORATORIES MC23272

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\P130814\
Data File : p71020.D
Acq On : 14 Aug 2013 1:26 pm
Operator : krystend
Sample : mb
Misc : ms29658tic,msp2326,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\P130814\
Data File : p71020.D
Acq On : 14 Aug 2013 1:26 pm
Operator : krystend
Sample : mb
Misc : ms29658tic,msp2326,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

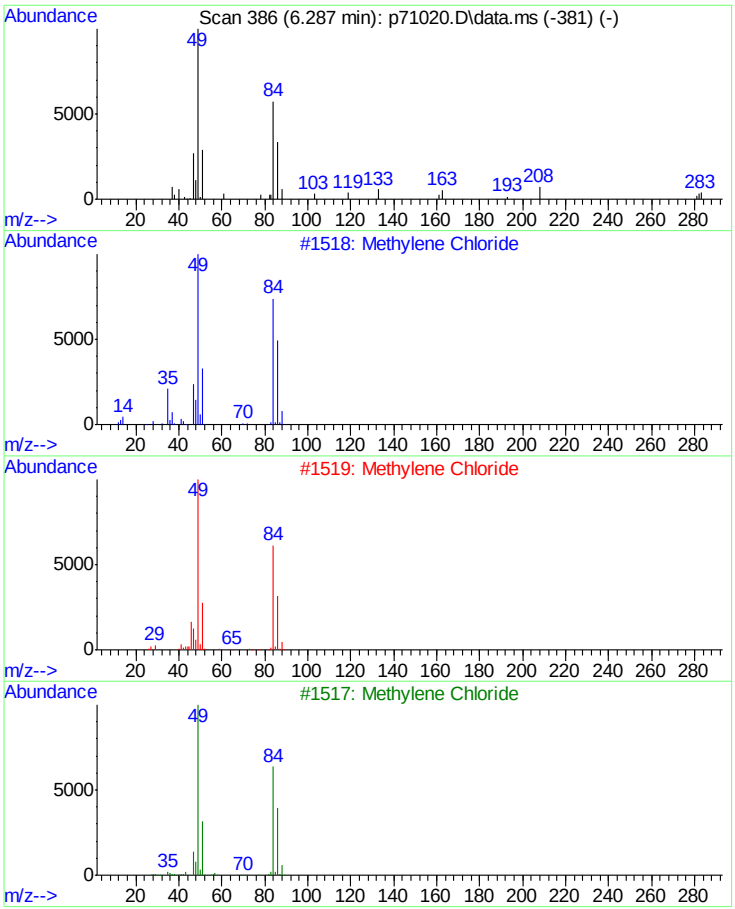
TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p

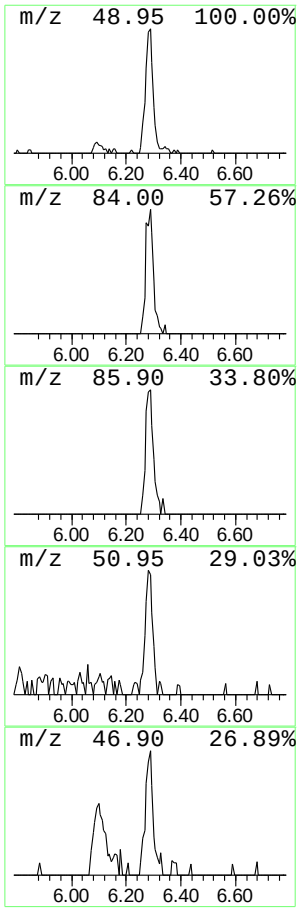
****

Peak Number 1 Methylene Chloride Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.287	51.21 ug/kg	67121	tert butyl alcohol-d9	6.098

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	91
2	Methylene Chloride	84	CH2Cl2	000075-09-2	90
3	Methylene Chloride	84	CH2Cl2	000075-09-2	90
4	Methylene Chloride	84	CH2Cl2	000075-09-2	90
5	Dichloroacetaldehyde	112	C2H2Cl2O	000079-02-7	64





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\P130814\
Data File : p71020.D
Acq On : 14 Aug 2013 1:26 pm
Operator : krystend
Sample : mb
Misc : ms29658tic,msp2326,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methylene Chloride	6.287	51.2	ug/kg	67121	1	6.098	655334	500.0

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 08/09/13 09:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72950.D
Acq On : 8 Aug 2013 9:25 am
Operator : GaryK
Sample : bs
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 08 09:48:18 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.422	65	59655	500.00	ug/kg	0.00
4) pentafluorobenzene	8.837	168	375194	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.683	114	538769	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.940	82	223793	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.500	152	264400	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.466	113	188424	48.51	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.02%			
63) toluene-d8 (s)	11.476	98	666852	49.37	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.74%			
87) bromofluorobenzene (s)	14.159	95	242345	47.95	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.90%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.507	59	84213	551.67	ug/kg	88
3) Ethanol	5.377	45	92884	4838.78	ug/kg#	100
5) dichlorodifluoromethane	4.231	85	206252	50.85	ug/kg	100
6) chloromethane	4.444	50	177916	74.27	ug/kg	97
7) vinyl chloride	4.681	62	88535	44.73	ug/kg	99
8) bromomethane	5.169	96	159115	55.41	ug/kg	99
9) chloroethane	5.329	64	95555	55.78	ug/kg	96
10) dichlorofluoromethane	5.376	67	291309	56.12	ug/kg	100
11) ethyl ether	6.177	59	100570	49.46	ug/kg	86
12) acetonitrile	6.507	41	20443	47.73	ug/kg	88
13) trichlorofluoromethane	5.960	101	284892	48.42	ug/kg	97
14) freon-113	6.728	101	173401	53.05	ug/kg	94
15) acrolein	5.945	56	2424	19.17	ug/kg	95
16) 1,1-dichloroethene	6.539	96	173685	54.05	ug/kg	83
17) acetone	6.049	43	27211	49.42	ug/kg	96
18) Methyl Acetate	6.667	43	88362	35.42	ug/kg	91
19) methylene chloride	6.678	84	185841	52.67	ug/kg	93
20) methyl tert butyl ether	7.449	73	363569	50.32	ug/kg	100
21) acrylonitrile	6.546	53	32215	48.24	ug/kg	92
22) allyl chloride	6.765	41	229991	55.95	ug/kg	84
23) trans-1,2-dichloroethene	7.349	96	204239	53.26	ug/kg	94
24) iodomethane	6.586	142	360470	56.10	ug/kg	94
25) carbon disulfide	6.957	76	489906m	55.08	ug/kg	
26) propionitrile	7.563	54	11849	47.35	ug/kg	100
27) vinyl acetate	7.660	43	191612	39.93	ug/kg	93
28) chloroprene	7.955	53	218343	57.42	ug/kg	97
29) di-isopropyl ether	8.006	45	461210	50.64	ug/kg	92
30) methacrylonitrile	8.078	41	70697	47.31	ug/kg	82
31) 2-butanone	7.981	72	11421	42.85	ug/kg#	1
32) Hexane	7.991	41	218938	51.58	ug/kg#	79
33) 1,1-dichloroethane	7.595	63	278418	57.46	ug/kg	99
34) tert-butyl ethyl ether	8.396	59	399866	52.47	ug/kg	96
35) isobutyl alcohol	8.401	43	62408	252.95	ug/kg	93
36) 2,2-dichloropropane	8.456	77	224875	64.35	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72950.D
Acq On : 8 Aug 2013 9:25 am
Operator : GaryK
Sample : bs
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 08 09:48:18 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	cis-1,2-dichloroethene	8.167	96	219084	51.13	ug/kg	94
38)	ethyl acetate	8.401	43	62408	50.69	ug/kg	98
39)	bromochloromethane	8.315	128	117693	55.99	ug/kg	95
40)	chloroform	8.356	83	318915	56.64	ug/kg	96
42)	Tetrahydrofuran	8.676	42	25341	43.56	ug/kg	81
43)	1,1,1-trichloroethane	9.123	97	285471	56.39	ug/kg	98
44)	n-Butyl Alcohol	9.423	56	222684	1315.92	ug/kg#	30
46)	Cyclohexane	9.423	56	222684	52.82	ug/kg	95
47)	carbon tetrachloride	9.480	117	245206	55.15	ug/kg	99
48)	1,1-dichloropropene	9.286	75	220353	51.68	ug/kg	96
49)	benzene	9.484	78	662959	49.66	ug/kg	100
50)	1,2-dichloroethane	8.989	62	194812	50.28	ug/kg	96
51)	tert-amyl methyl ether	9.633	73	384135	50.94	ug/kg	93
52)	heptane	9.996	43	195827	55.10	ug/kg	87
53)	2-Nitropropane	9.996	43	195827	53.87	ug/kg	97
54)	trichloroethene	10.120	95	199250	49.55	ug/kg	98
55)	1,2-dichloropropane	10.073	63	160903	50.92	ug/kg	99
56)	dibromomethane	10.046	93	106097	55.72	ug/kg	98
57)	bromodichloromethane	10.158	83	232708	52.25	ug/kg	99
58)	Methylcyclohexane	10.663	83	262178	52.11	ug/kg	98
59)	2-chloroethyl vinyl ether	10.530	63	43956	27.72	ug/kg	98
60)	methyl methacrylate	10.249	69	69240	46.68	ug/kg	84
61)	1,4-dioxane	10.250	88	5376	232.60	ug/kg	81
62)	cis-1,3-dichloropropene	10.784	75	277202	51.63	ug/kg	94
64)	4-methyl-2-pentanone	10.864	43	88310	49.65	ug/kg	88
65)	toluene	11.549	92	466475	51.98	ug/kg	97
66)	trans-1,3-dichloropropene	11.195	75	239231	54.75	ug/kg	96
67)	1,1,2-trichloroethane	11.366	83	120710	48.55	ug/kg	97
68)	ethyl methacrylate	11.569	69	134686	48.72	ug/kg	82
70)	tetrachloroethene	12.306	166	249686	57.54	ug/kg	98
71)	1,3-dichloropropane	11.605	76	210544	49.69	ug/kg	98
72)	dibromochloromethane	11.886	129	203864	53.86	ug/kg	98
73)	1,2-dibromoethane	12.135	107	165077	51.21	ug/kg	100
74)	2-hexanone	11.720	43	53899	45.57	ug/kg	94
75)	chlorobenzene	12.976	112	590038	49.80	ug/kg	97
76)	1-chlorohexane	12.872	91	257057	56.17	ug/kg	97
77)	1,1,1,2-tetrachloroethane	12.902	131	219984	53.06	ug/kg	97
78)	ethylbenzene	13.146	91	890801	53.83	ug/kg	99
79)	m,p-xylene	13.329	106	747645	106.03	ug/kg	100
80)	o-xylene	13.742	106	365361	52.38	ug/kg	97
81)	styrene	13.665	104	602979	53.61	ug/kg	95
82)	bromoform	13.486	173	106267	56.15	ug/kg	100
83)	cis-1,4-dichloro-2-butene	13.572	88	44424	53.71	ug/kg	90
84)	trans-1,4-dichloro-2-b...	13.893	53	28699	57.88	ug/kg#	76
86)	isopropylbenzene	14.107	105	918489	51.93	ug/kg	99
88)	bromobenzene	14.394	156	281125	52.62	ug/kg	93
89)	1,1,2,2-tetrachloroethane	13.751	83	141520	48.36	ug/kg	100
90)	1,2,3-trichloropropane	13.894	75	150533	51.94	ug/kg	100
91)	n-propylbenzene	14.554	91	986482	51.30	ug/kg	97
92)	2-chlorotoluene	14.675	91	609119	50.30	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72950.D
Acq On : 8 Aug 2013 9:25 am
Operator : GaryK
Sample : bs
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 08 09:48:18 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

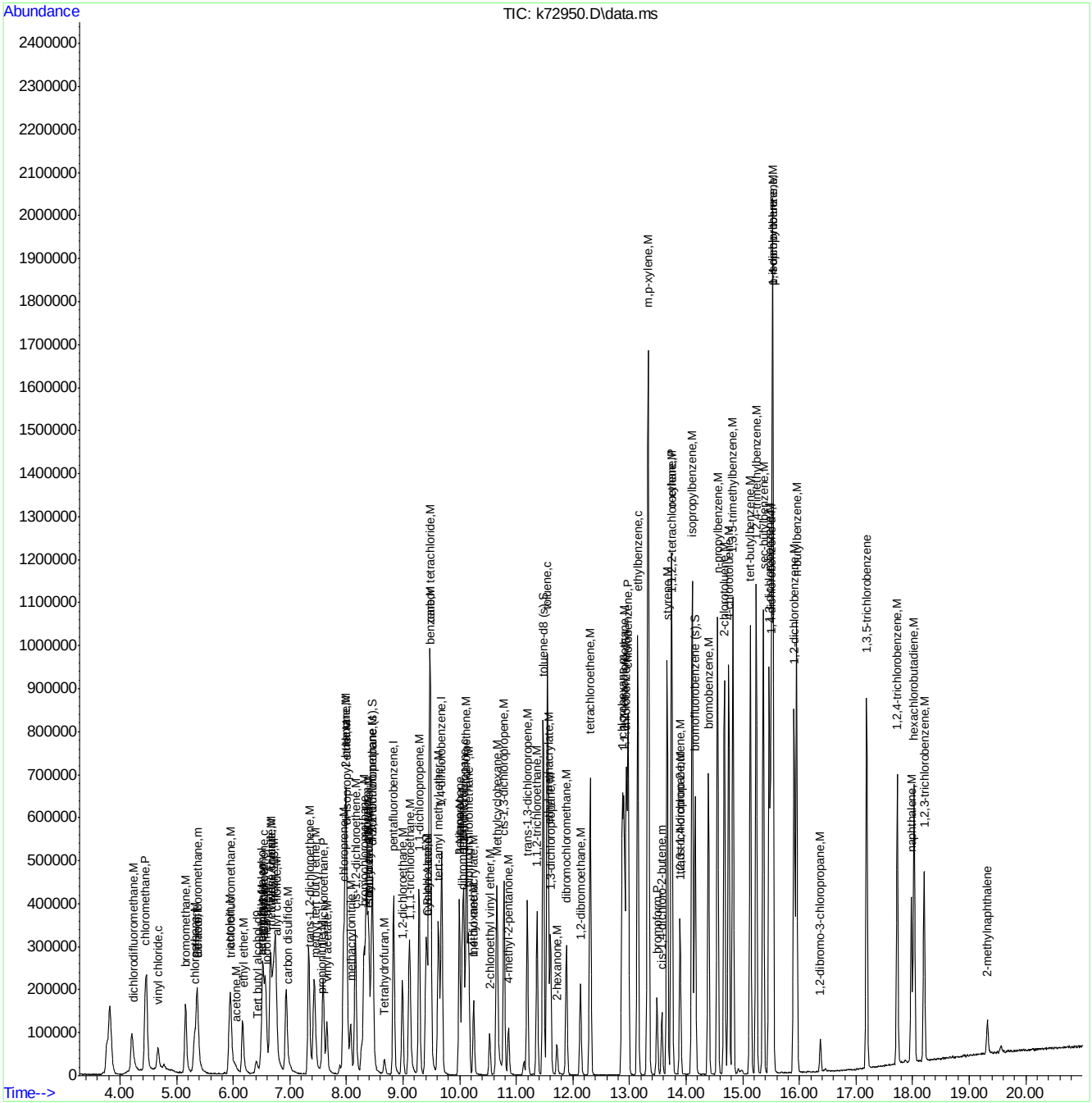
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.752	91	636659	51.86	ug/kg	96
94)	1,3,5-trimethylbenzene	14.826	105	743941	51.81	ug/kg	99
95)	tert-butylbenzene	15.133	91	388911	51.29	ug/kg	92
96)	1,2,4-trimethylbenzene	15.237	105	769893	52.79	ug/kg	98
97)	sec-butylbenzene	15.362	105	934194	51.52	ug/kg	98
98)	1,3-dichlorobenzene	15.466	146	513613	50.53	ug/kg	98
99)	p-isopropyltoluene	15.529	119	785362	54.93	ug/kg	97
100)	1,4-dichlorobenzene	15.528	146	506879	52.20	ug/kg	97
101)	1,2-dichlorobenzene	15.906	146	466778	50.17	ug/kg	98
102)	n-butylbenzene	15.950	91	688504	54.61	ug/kg	100
103)	1,2-dibromo-3-chloropr...	16.370	75	18162	45.29	ug/kg	97
104)	1,3,5-trichlorobenzene	17.188	180	341725	58.35	ug/kg	100
105)	1,2,4-trichlorobenzene	17.729	180	267462	52.37	ug/kg	97
106)	hexachlorobutadiene	18.025	225	156031	52.79	ug/kg	95
107)	naphthalene	17.978	128	389183	48.20	ug/kg	100
108)	1,2,3-trichlorobenzene	18.203	180	179217	49.74	ug/kg	99
109)	2-methylnaphthalene	19.323	142	48768m	22.89	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72950.D
Acq On : 8 Aug 2013 9:25 am
Operator : GaryK
Sample : bs
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 08 09:48:18 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 08/09/13 15:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72988.D
Acq On : 9 Aug 2013 10:12 am
Operator : GaryK
Sample : bs
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 09 10:36:21 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.425	65	55317	500.00	ug/kg	0.00
4) pentafluorobenzene	8.840	168	372193	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.686	114	526992	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.941	82	217784	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	261761	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.469	113	186437	48.39	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.78%			
63) toluene-d8 (s)	11.479	98	668300	50.58	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.16%			
87) bromofluorobenzene (s)	14.160	95	238894	47.75	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.50%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.511	59	79285	560.12	ug/kg	91
3) Ethanol	5.380	45	86339m	4850.54	ug/kg	
5) dichlorodifluoromethane	4.243	85	204801	50.90	ug/kg	98
6) chloromethane	4.455	50	180105	76.10	ug/kg	98
7) vinyl chloride	4.693	62	98480	50.15	ug/kg	99
8) bromomethane	5.180	96	163976	57.56	ug/kg	97
9) chloroethane	5.339	64	96523	56.80	ug/kg	97
10) dichlorofluoromethane	5.385	67	295858	57.46	ug/kg	100
11) ethyl ether	6.183	59	99057	49.11	ug/kg	93
12) acetonitrile	6.509	41	18199	42.83	ug/kg	81
13) trichlorofluoromethane	5.968	101	297297	50.93	ug/kg	96
14) freon-113	6.736	101	181041	55.84	ug/kg	94
15) acrolein	5.952	56	2431	19.38	ug/kg	95
16) 1,1-dichloroethene	6.554	96	182259	57.17	ug/kg	91
17) acetone	6.053	43	23690	43.37	ug/kg	98
18) Methyl Acetate	6.675	43	83146	33.60	ug/kg	91
19) methylene chloride	6.684	84	186185	53.19	ug/kg	94
20) methyl tert butyl ether	7.450	73	348246	48.59	ug/kg	99
21) acrylonitrile	6.552	53	30567	46.14	ug/kg	96
22) allyl chloride	6.769	41	224759	55.12	ug/kg	90
23) trans-1,2-dichloroethene	7.351	96	202171	53.15	ug/kg	96
24) iodomethane	6.595	142	376821	59.11	ug/kg	99
25) carbon disulfide	6.964	76	504970m	57.24	ug/kg	
26) propionitrile	7.568	54	10920	43.99	ug/kg	100
27) vinyl acetate	7.664	43	179893	37.79	ug/kg	95
28) chloroprene	7.960	53	224788	59.60	ug/kg	99
29) di-isopropyl ether	8.008	45	456782	50.55	ug/kg	89
30) methacrylonitrile	8.083	41	63150m	42.60	ug/kg	
31) 2-butanone	7.984	72	11249	42.55	ug/kg#	1
32) Hexane	7.995	41	218166	51.81	ug/kg#	78
33) 1,1-dichloroethane	7.602	63	283917	59.07	ug/kg	100
34) tert-butyl ethyl ether	8.397	59	389444	51.51	ug/kg	98
35) isobutyl alcohol	8.404	43	59621	243.60	ug/kg	93
36) 2,2-dichloropropane	8.460	77	230055	66.36	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72988.D
Acq On : 9 Aug 2013 10:12 am
Operator : GaryK
Sample : bs
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 09 10:36:21 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	cis-1,2-dichloroethene	8.171	96	220394	51.85	ug/kg	93
38)	ethyl acetate	8.401	43	57055	46.72	ug/kg	90
39)	bromochloromethane	8.320	128	117900	56.54	ug/kg	95
40)	chloroform	8.360	83	323036	57.83	ug/kg	99
42)	Tetrahydrofuran	8.678	42	23295	40.37	ug/kg	95
43)	1,1,1-trichloroethane	9.126	97	289978	57.74	ug/kg	98
44)	n-Butyl Alcohol	9.427	56	227877	1357.47	ug/kg#	39
46)	Cyclohexane	9.427	56	227693	55.21	ug/kg	92
47)	carbon tetrachloride	9.483	117	252468	58.05	ug/kg	97
48)	1,1-dichloropropene	9.289	75	228766	54.85	ug/kg	93
49)	benzene	9.487	78	672086	51.47	ug/kg	99
50)	1,2-dichloroethane	8.992	62	188178	49.65	ug/kg	97
51)	tert-amyl methyl ether	9.635	73	374178	50.72	ug/kg	93
52)	heptane	9.999	43	195034	56.10	ug/kg	84
53)	2-Nitropropane	9.999	43	195034	54.85	ug/kg	97
54)	trichloroethene	10.123	95	201835	51.31	ug/kg	94
55)	1,2-dichloropropane	10.076	63	159334	51.55	ug/kg	100
56)	dibromomethane	10.049	93	102894	55.25	ug/kg	94
57)	bromodichloromethane	10.161	83	225617	51.79	ug/kg	99
58)	Methylcyclohexane	10.669	83	277751	56.44	ug/kg	99
59)	2-chloroethyl vinyl ether	10.533	63	41928	27.03	ug/kg	99
60)	methyl methacrylate	10.252	69	67089	46.24	ug/kg	88
61)	1,4-dioxane	10.248	88	4694	207.63	ug/kg	99
62)	cis-1,3-dichloropropene	10.786	75	272922	51.97	ug/kg	92
64)	4-methyl-2-pentanone	10.866	43	81324	46.74	ug/kg	89
65)	toluene	11.551	92	483255	55.05	ug/kg	96
66)	trans-1,3-dichloropropene	11.197	75	232723	54.45	ug/kg	95
67)	1,1,2-trichloroethane	11.368	83	117997	48.52	ug/kg	99
68)	ethyl methacrylate	11.571	69	129722	47.98	ug/kg	85
70)	tetrachloroethene	12.308	166	265602	62.90	ug/kg	99
71)	1,3-dichloropropane	11.607	76	200931	48.73	ug/kg	99
72)	dibromochloromethane	11.888	129	200141	54.34	ug/kg	100
73)	1,2-dibromoethane	12.137	107	159364	50.81	ug/kg	100
74)	2-hexanone	11.722	43	49970	43.42	ug/kg	94
75)	chlorobenzene	12.977	112	602918	52.29	ug/kg	95
76)	1-chlorohexane	12.874	91	265298	59.57	ug/kg	97
77)	1,1,1,2-tetrachloroethane	12.903	131	221732	54.96	ug/kg	99
78)	ethylbenzene	13.148	91	910877	56.56	ug/kg	100
79)	m,p-xylene	13.331	106	765218	111.52	ug/kg	100
80)	o-xylene	13.744	106	372467	54.87	ug/kg	100
81)	styrene	13.666	104	616787	56.35	ug/kg	93
82)	bromoform	13.488	173	104007	56.47	ug/kg	98
83)	cis-1,4-dichloro-2-butene	13.574	88	43639	54.21	ug/kg	90
84)	trans-1,4-dichloro-2-b...	13.894	53	28258	58.57	ug/kg	95
86)	isopropylbenzene	14.109	105	947834	54.13	ug/kg	99
88)	bromobenzene	14.395	156	281827	53.29	ug/kg	94
89)	1,1,2,2-tetrachloroethane	13.753	83	136420	47.08	ug/kg	98
90)	1,2,3-trichloropropane	13.895	75	141728	49.40	ug/kg	99
91)	n-propylbenzene	14.555	91	1014546	53.29	ug/kg	99
92)	2-chlorotoluene	14.676	91	609603	50.85	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72988.D
Acq On : 9 Aug 2013 10:12 am
Operator : GaryK
Sample : bs
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 09 10:36:21 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

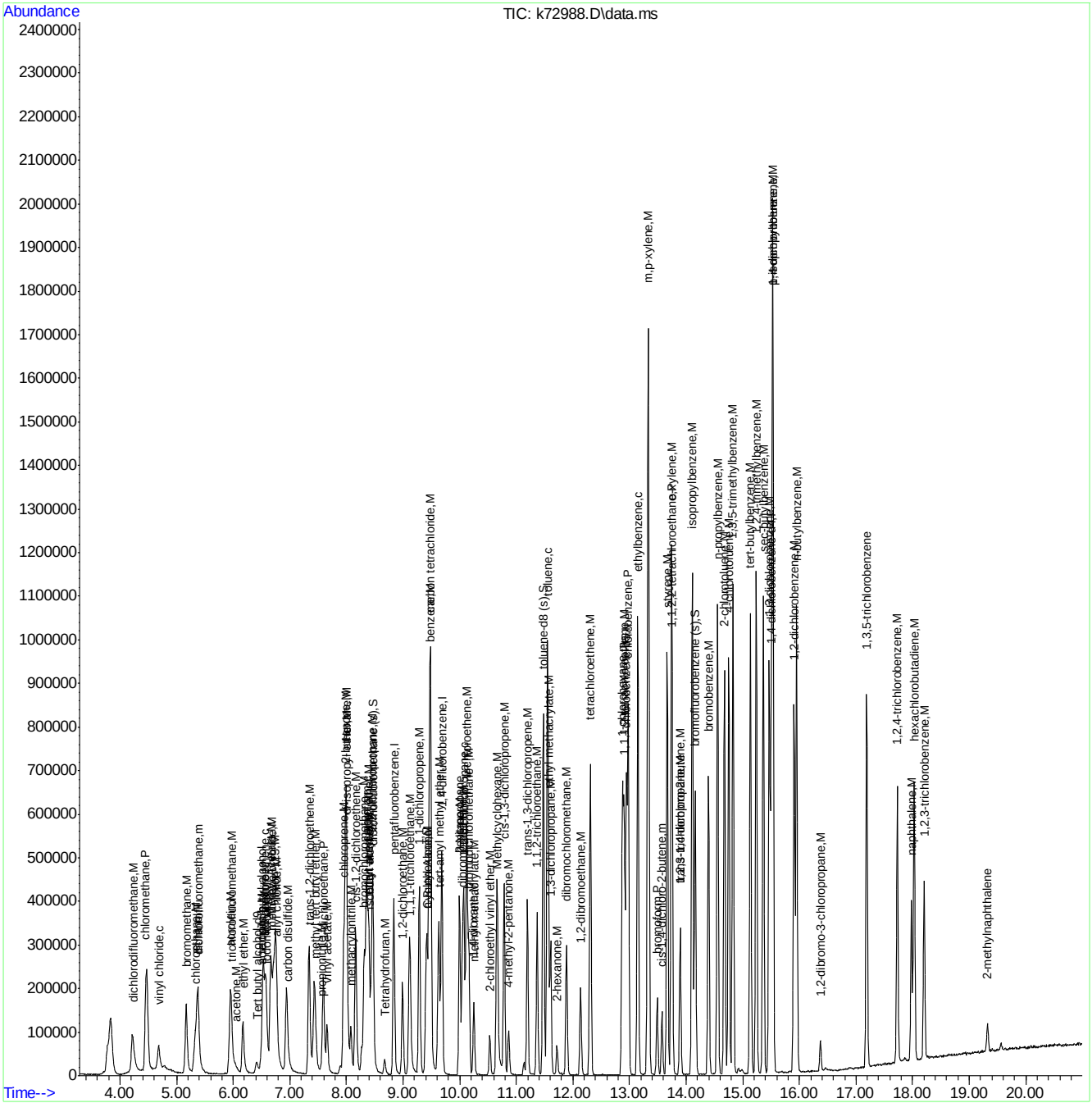
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 4-chlorotoluene	14.753	91	644988	53.07	ug/kg	95
94) 1,3,5-trimethylbenzene	14.827	105	762453	53.64	ug/kg	99
95) tert-butylbenzene	15.134	91	396742	52.85	ug/kg	94
96) 1,2,4-trimethylbenzene	15.238	105	777167	53.83	ug/kg	98
97) sec-butylbenzene	15.363	105	963191	53.65	ug/kg	100
98) 1,3-dichlorobenzene	15.467	146	517394	51.41	ug/kg	99
99) p-isopropyltoluene	15.530	119	806234	56.96	ug/kg	98
100) 1,4-dichlorobenzene	15.529	146	511718	53.23	ug/kg	98
101) 1,2-dichlorobenzene	15.907	146	466445	50.64	ug/kg	98
102) n-butylbenzene	15.951	91	699984	56.08	ug/kg	99
103) 1,2-dibromo-3-chloropr...	16.371	75	15861	39.95	ug/kg	98
104) 1,3,5-trichlorobenzene	17.189	180	344511	59.42	ug/kg	100
105) 1,2,4-trichlorobenzene	17.730	180	256494	50.73	ug/kg	99
106) hexachlorobutadiene	18.026	225	160073	54.70	ug/kg	96
107) naphthalene	17.979	128	360886	45.15	ug/kg	100
108) 1,2,3-trichlorobenzene	18.204	180	167892	47.07	ug/kg	98
109) 2-methylnaphthalene	19.322	142	42005	19.91	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72988.D
Acq On : 9 Aug 2013 10:12 am
Operator : GaryK
Sample : bs
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 09 10:36:21 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/14/13 09:24

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130426.D
Acq On : 13 Aug 2013 9:34 am
Operator : jaimem
Sample : bs
Misc : MS29638,MSG5087,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 09:56:31 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.082	65	32438	500.00	ppb		0.00
4) pentafluorobenzene	5.071	168	85371	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.194	114	139404	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	68574	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	65274	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	69794	52.15	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.30%				
60) toluene-d8 (s)	7.878	98	278978	50.68	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.36%				
82) bromofluorobenzene (s)	10.867	95	109611	50.76	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.52%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.158	59	51580	525.94	ppb		98
3) Ethanol	2.443	45	40063	4299.38	ppb		99
5) dichlorodifluoromethane	1.647	85	67979m	51.03	ppb		
6) chloromethane	1.827	50	59826	51.55	ppb		96
7) vinyl chloride	1.914	62	13797	41.06	ppb		84
8) bromomethane	2.279	96	39644	60.05	ppb		97
9) chloroethane	2.340	64	31162	53.77	ppb		85
10) ethyl ether	2.787	59	52564	46.15	ppb		79
11) acetonitrile	3.417	41	97873	43.85	ppb		97
12) trichlorofluoromethane	2.608	101	104310	54.61	ppb		99
13) freon-113	2.933	101	78539	54.30	ppb		92
14) acrolein	2.904	56	39252	318.00	ppb		97
15) 1,1-dichloroethene	3.095	96	72896	50.88	ppb		90
16) acetone	2.960	58	8892	39.87	ppb	#	72
17) Methyl Acetate	3.374	43	52118	32.37	ppb	#	84
18) methylene chloride	3.533	84	74811	44.04	ppb	#	74
19) methyl tert butyl ether	3.662	73	183236	45.68	ppb		92
20) acrylonitrile	3.634	53	22888	42.47	ppb		99
21) allyl chloride	3.417	41	97873	43.56	ppb		75
22) trans-1,2-dichloroethene	3.800	96	71691	49.01	ppb		87
23) iodomethane	3.386	142	124201	51.22	ppb		94
24) carbon disulfide	3.591	76	221186	52.37	ppb		95
25) propionitrile	4.718	54	8134	41.31	ppb		100
26) vinyl acetate	4.209	43	100099	46.78	ppb		93
27) chloroprene	4.311	53	102560	48.41	ppb		72
28) di-isopropyl ether	4.093	45	205898	40.46	ppb		92
29) methacrylonitrile	4.928	41	42781	39.98	ppb	#	60
30) 2-butanone	4.638	72	8151	44.22	ppb	#	72
31) Ethyl Acetate	4.807	43	46600	88.90	ug/L	#	98
32) Hexane	3.849	41	66302	50.67	ppb	#	84
33) 1,1-dichloroethane	4.217	63	122633	47.19	ppb		96
34) tert-butyl ethyl ether	4.504	59	201563	45.03	ppb		92
35) isobutyl alcohol	4.955	43	13403	196.29	ppb		87
36) 2,2-dichloropropane	4.792	77	72095	61.40	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130426.D
Acq On : 13 Aug 2013 9:34 am
Operator : jaimem
Sample : bs
Misc : MS29638,MSG5087,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 09:56:31 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.834	96	76851	47.51	ppb		86
38)	bromochloromethane	5.175	128	37183	51.45	ppb	#	80
39)	chloroform	5.000	83	121562	47.93	ppb		98
41)	Tetrahydrofuran	5.217	42	14917	39.25	ppb		67
42)	1,1,1-trichloroethane	5.433	97	100112	48.74	ppb		92
44)	Cyclohexane	5.449	56	117304	44.75	ppb	#	79
45)	carbon tetrachloride	5.710	117	93101	54.11	ppb		96
46)	1,1-dichloropropene	5.595	75	99833	51.28	ppb		96
47)	benzene	5.894	78	285484	47.14	ppb		98
48)	1,2-dichloroethane	5.874	62	87087	47.16	ppb		99
49)	tert-amyl methyl ether	5.718	73	188994	47.40	ppb		84
50)	heptane	5.741	43	140844	45.43	ppb		81
51)	trichloroethene	6.561	95	76009	47.33	ppb		88
52)	1,2-dichloropropane	6.759	63	71763	46.41	ppb		96
53)	dibromomethane	7.076	93	44000	50.96	ppb		93
54)	bromodichloromethane	7.018	83	85579	50.57	ppb		98
55)	Methylcyclohexane	6.629	83	124070	51.16	ppb	#	79
56)	2-chloroethyl vinyl ether	7.348	63	6285	22.27	ppb		92
57)	methyl methacrylate	6.817	69	42639	45.74	ppb	#	71
58)	1,4-dioxane	7.051	88	3487	227.85	ppb	#	60
59)	cis-1,3-dichloropropene	7.610	75	113189	47.99	ppb		96
61)	4-methyl-2-pentanone	7.379	43	56650	36.87	ppb		76
62)	toluene	7.965	92	184330	50.41	ppb		98
63)	trans-1,3-dichloropropene	8.162	75	100993	53.42	ppb		95
64)	1,1,2-trichloroethane	8.335	83	52352	48.57	ppb		94
65)	ethyl methacrylate	8.149	69	81674	46.26	ppb	#	73
67)	tetrachloroethene	8.678	166	80219	55.79	ppb		98
68)	1,3-dichloropropane	8.611	76	103642	50.89	ppb		98
69)	dibromochloromethane	8.905	129	65344	53.33	ppb		98
70)	1,2-dibromoethane	9.124	107	65404	53.58	ppb		98
71)	2-hexanone	8.343	43	42381	44.23	ppb		94
72)	chlorobenzene	9.580	112	210908	55.17	ppb		94
73)	1,1,1,2-tetrachloroethane	9.626	131	69114	55.39	ppb		97
74)	ethylbenzene	9.635	91	356645	51.23	ppb		95
75)	m,p-xylene	9.719	106	277941	109.00	ppb		97
76)	o-xylene	10.198	106	134414	54.81	ppb		96
77)	styrene	10.237	104	221089	50.70	ppb		91
78)	bromoform	10.611	173	36272	51.56	ppb		99
79)	trans-1,4-dichloro-2-b...	10.644	53	20581	50.18	ppb		76
81)	isopropylbenzene	10.589	105	348128	55.33	ppb		98
83)	bromobenzene	11.080	156	89468	53.41	ppb		88
84)	1,1,2,2-tetrachloroethane	10.781	83	76014	49.34	ppb		96
85)	1,2,3-trichloropropane	10.941	75	59312	48.22	ppb		99
86)	n-propylbenzene	11.029	91	408004	54.93	ppb		95
87)	2-chlorotoluene	11.223	91	273821	52.29	ppb		91
88)	4-chlorotoluene	11.277	91	252385	55.40	ppb		91
89)	1,3,5-trimethylbenzene	11.202	105	286140	49.88	ppb		98
90)	tert-butylbenzene	11.597	91	189292	52.32	ppb		89
91)	1,2,4-trimethylbenzene	11.633	105	291929	50.29	ppb		98
92)	sec-butylbenzene	11.825	105	351613	54.42	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130426.D
Acq On : 13 Aug 2013 9:34 am
Operator : jaimem
Sample : bs
Misc : MS29638,MSG5087,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 09:56:31 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

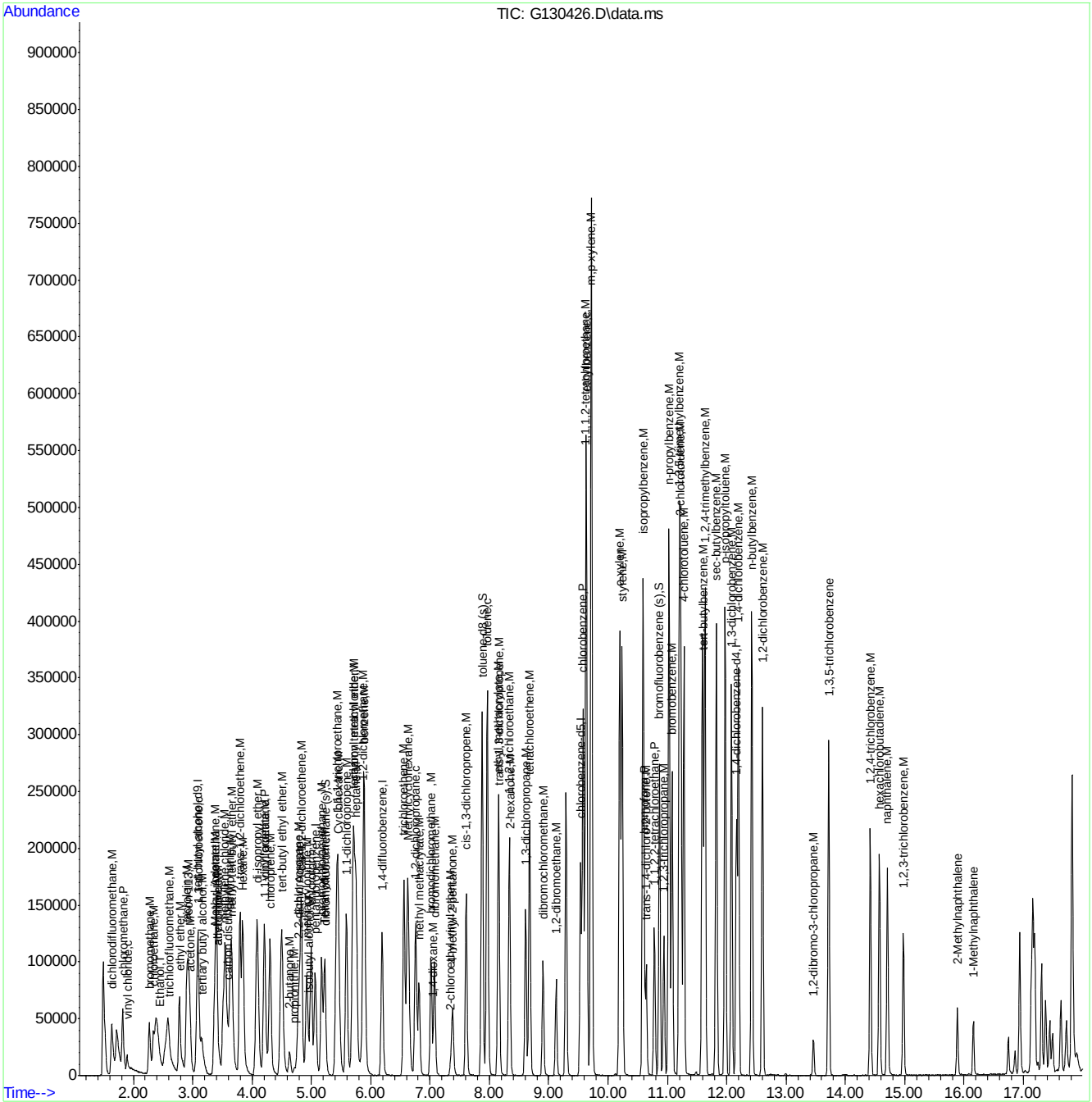
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	12.080	146	163859	54.82	ppb	95
94) p-isopropyltoluene	11.974	119	292860	53.86	ppb	97
95) 1,4-dichlorobenzene	12.197	146	168462	51.21	ppb	96
96) 1,2-dichlorobenzene	12.602	146	155006	53.95	ppb	97
97) n-butylbenzene	12.423	91	267701	49.92	ppb	94
98) 1,2-dibromo-3-chloropr...	13.460	75	9058	38.85	ppb	79
99) 1,3,5-trichlorobenzene	13.718	180	106135	50.50	ug/L	99
100) 1,2,4-trichlorobenzene	14.420	180	77794	43.25	ppb	98
101) hexachlorobutadiene	14.573	225	47089	51.40	ppb	99
102) naphthalene	14.708	128	162828	39.95	ppb	100
103) 2-Methylnaphthalene	15.888	142	31296	29.89	ug/L	98
104) 1-Methylnaphthalene	16.156	142	25123	30.02	ug/L	95
105) 1,2,3-trichlorobenzene	14.978	180	45453	29.98	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130426.D
Acq On : 13 Aug 2013 9:34 am
Operator : jaimem
Sample : bs
Misc : MS29638,MSG5087,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 09:56:31 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71016.D
Acq On : 14 Aug 2013 11:35 am
Operator : krystend
Sample : bs
Misc : ms29647,msp2326,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 11:58:28 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	379414	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	884788	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	1133511	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	727921	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	548600	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	430667	48.36	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 96.72%#			
60) toluene-d8 (s)	11.090	98	1392649	44.35	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 88.70%#			
82) bromofluorobenzene (s)	13.771	95	592711	43.02	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 86.04%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	520420	614.47	ug/kg	98
3) Ethanol	4.994	45	514823	4614.39	ug/kg	96
5) dichlorodifluoromethane	4.152	85	469747	64.74	ug/kg	99
6) chloromethane	4.111	50	589179	77.70	ug/kg	99
7) vinyl chloride	4.333	62	557531	55.30	ug/kg	97
8) bromomethane	4.798	96	257761	70.97	ug/kg	99
9) chloroethane	4.960	64	263648	64.46	ug/kg	99
10) ethyl ether	5.809	59	318282	62.34	ug/kg	96
11) acetonitrile	5.472	41	268589	75.65	ug/kg	99
12) trichlorofluoromethane	5.566	101	1112650	69.96	ug/kg	97
13) freon-113	6.314	101	495161	66.93	ug/kg	99
14) acrolein	5.573	56	256301	545.11	ug/kg	99
15) 1,1-dichloroethene	6.125	96	391266	68.30	ug/kg	90
16) acetone	5.708	58	61499	64.28	ug/kg	96
17) Methyl Acetate	6.321	43	406650	48.12	ug/kg#	94
18) methylene chloride	6.280	84	451905	65.85	ug/kg	98
19) methyl tert butyl ether	7.055	73	997388	69.50	ug/kg	95
20) acrylonitrile	6.199	53	135980	59.79	ug/kg	96
21) allyl chloride	6.368	41	720626	76.09	ug/kg	91
22) trans-1,2-dichloroethene	6.954	96	416242	52.84	ug/kg	85
23) iodomethane	6.179	142	422761	76.01	ug/kg	90
24) carbon disulfide	6.536	76	1235644	59.78	ug/kg	99
25) propionitrile	7.237	54	51036	45.37	ug/kg	100
26) vinyl acetate	7.318	43	427188	36.73	ug/kg	98
27) chloroprene	7.560	53	1136538	70.52	ug/kg	86
28) di-isopropyl ether	7.607	45	1687762	54.68	ug/kg	97
29) methacrylonitrile	7.729	41	284111	54.23	ug/kg	91
30) 2-butanone	7.621	72	53632	45.46	ug/kg#	14
31) Hexane	7.580	41	1091217	61.86	ug/kg#	86
32) 1,1-dichloroethane	7.203	63	996385	62.79	ug/kg	99
33) tert-butyl ethyl ether	7.998	59	704520	59.64	ug/kg	97
34) isobutyl alcohol	7.614	43	1669267	289.55	ug/kg	93
35) 2,2-dichloropropane	8.045	77	665868	59.11	ug/kg	93
36) cis-1,2-dichloroethene	7.762	96	457989	51.42	ug/kg	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71016.D
Acq On : 14 Aug 2013 11:35 am
Operator : krystend
Sample : bs
Misc : ms29647,msp2326,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 11:58:28 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.301	43	34942	54.41	ug/kg#	62
38) bromochloromethane	7.931	128	190388	59.60	ug/kg	95
39) chloroform	7.964	83	1171834	68.13	ug/kg	99
41) Tetrahydrofuran	8.294	42	113906	42.47	ug/kg	87
42) 1,1,1-trichloroethane	8.705	97	1186418	76.17	ug/kg	100
44) Cyclohexane	8.982	56	838479	52.53	ug/kg	99
45) carbon tetrachloride	9.062	117	1015910	86.28	ug/kg	98
46) 1,1-dichloropropene	8.880	75	780511	60.91	ug/kg	99
47) benzene	9.103	78	1766674	54.74	ug/kg	98
48) 1,2-dichloroethane	8.611	62	1044160	72.96	ug/kg	96
49) tert-amyl methyl ether	9.231	73	519895	64.54	ug/kg	94
50) heptane	9.581	43	820754	54.60	ug/kg	95
51) trichloroethene	9.716	95	553385	58.02	ug/kg	96
52) 1,2-dichloropropane	9.682	63	473698	53.22	ug/kg	99
53) dibromomethane	9.662	93	307234	67.50	ug/kg	96
54) bromodichloromethane	9.770	83	871859	73.63	ug/kg	100
55) Methylcyclohexane	10.228	83	806716	54.22	ug/kg	98
56) 2-chloroethyl vinyl ether	10.221	63	15299	86.61	ug/kg#	95
57) methyl methacrylate	9.884	69	261723	54.38	ug/kg	83
58) 1,4-dioxane	9.884	88	19566	268.99	ug/kg	93
59) cis-1,3-dichloropropene	10.389	75	750769	56.65	ug/kg	98
61) 4-methyl-2-pentanone	10.504	43	475968	59.20	ug/kg	98
62) toluene	11.164	92	1125080	55.20	ug/kg	97
63) trans-1,3-dichloropropene	10.814	75	707697	58.01	ug/kg	97
64) 1,1,2-trichloroethane	10.982	83	319250	52.98	ug/kg	97
65) ethyl methacrylate	11.198	69	489117	50.59	ug/kg	84
67) tetrachloroethene	11.898	166	536385	55.99	ug/kg	95
68) 1,3-dichloropropane	11.218	76	699068	52.49	ug/kg	99
69) dibromochloromethane	11.501	129	517171	59.66	ug/kg	100
70) 1,2-dibromoethane	11.750	107	401465	51.75	ug/kg	99
71) 2-hexanone	11.366	43	366001	54.01	ug/kg	90
72) chlorobenzene	12.579	112	1145108	47.17	ug/kg	95
73) 1,1,1,2-tetrachloroethane	12.498	131	503931	61.82	ug/kg	93
74) ethylbenzene	12.754	91	2370500	52.18	ug/kg	98
75) m,p-xylene	12.942	106	1654888	98.78	ug/kg	91
76) o-xylene	13.353	106	813084	48.91	ug/kg	88
77) styrene	13.279	104	1189876	47.93	ug/kg	87
78) bromoform	13.097	173	316745	59.74	ug/kg	95
79) trans-1,4-dichloro-2-b...	13.508	53	127287	61.00	ug/kg	91
81) isopropylbenzene	13.717	105	2401163	52.48	ug/kg	98
83) bromobenzene	13.993	156	529581	54.69	ug/kg	96
84) 1,1,2,2-tetrachloroethane	13.360	83	474414	50.10	ug/kg	98
85) 1,2,3-trichloropropane	13.508	75	560851	56.83	ug/kg	99
86) n-propylbenzene	14.162	91	2673699	51.79	ug/kg	98
87) 2-chlorotoluene	14.276	91	1692370	51.32	ug/kg	97
88) 4-chlorotoluene	14.350	91	1791092	54.23	ug/kg	97
89) 1,3,5-trimethylbenzene	14.438	105	2081797	54.57	ug/kg	96
90) tert-butylbenzene	14.741	91	1442980	57.20	ug/kg	91
91) 1,2,4-trimethylbenzene	14.849	105	2083240	56.61	ug/kg	96
92) sec-butylbenzene	14.963	105	2581404	53.91	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71016.D
Acq On : 14 Aug 2013 11:35 am
Operator : krystend
Sample : bs
Misc : ms29647,msp2326,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 11:58:28 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

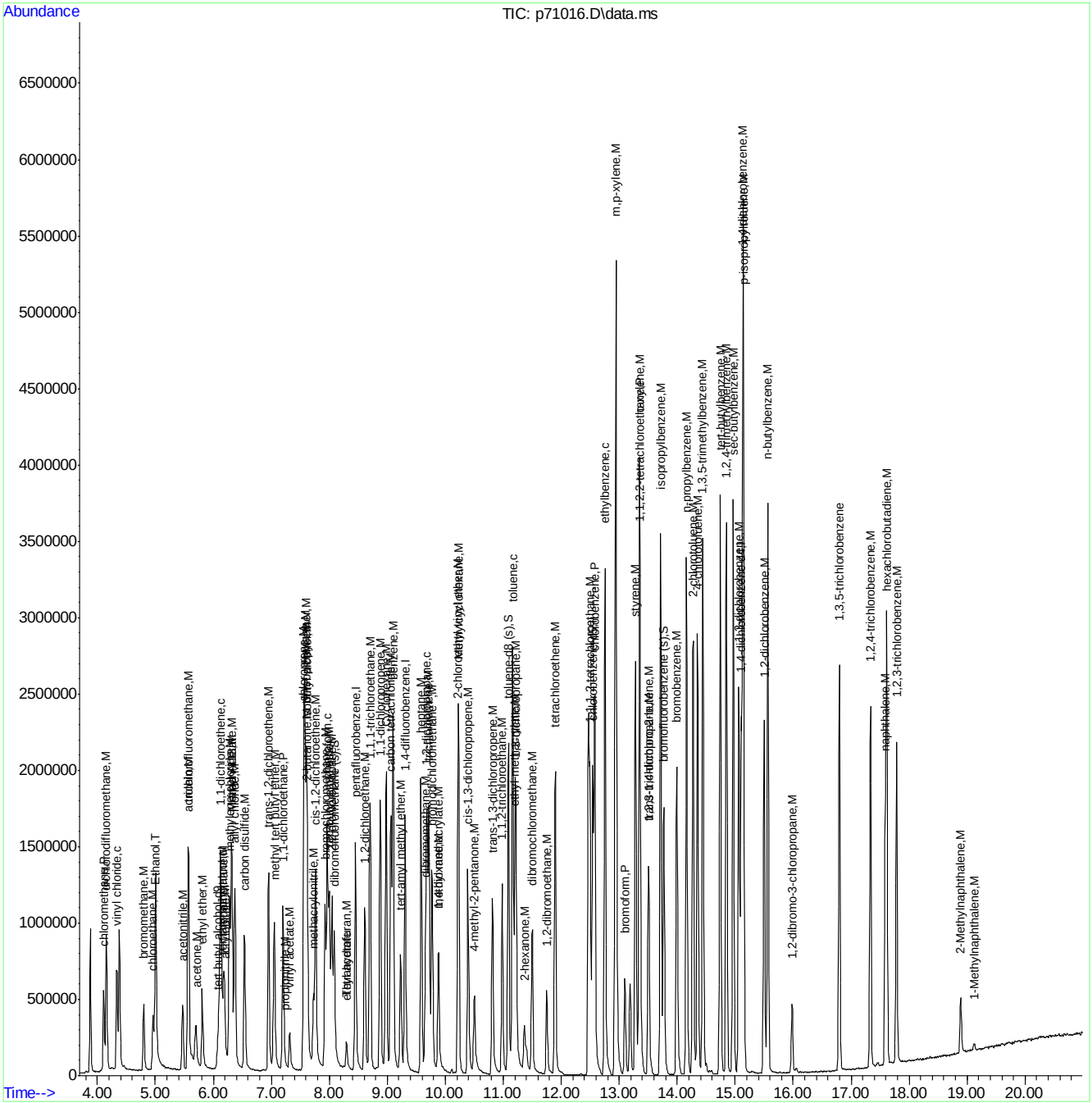
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.064	146	963316	53.03	ug/kg	98
94) p-isopropyltoluene	15.145	119	2060397	60.65	ug/kg	97
95) 1,4-dichlorobenzene	15.132	146	975523	55.76	ug/kg	99
96) 1,2-dichlorobenzene	15.502	146	913526	53.58	ug/kg	97
97) n-butylbenzene	15.563	91	2092418	60.24	ug/kg	99
98) 1,2-dibromo-3-chloropr...	15.981	75	133170	65.08	ug/kg	89
99) 1,3,5-trichlorobenzene	16.796	180	813681	63.95	ug/kg	100
100) 1,2,4-trichlorobenzene	17.335	180	716468	58.19	ug/kg	98
101) hexachlorobutadiene	17.618	225	611752	66.31	ug/kg	94
102) naphthalene	17.591	128	1103127	51.39	ug/kg	100
103) 1,2,3-trichlorobenzene	17.786	180	652347	58.94	ug/kg	100
104) 2-Methylnaphthalene	18.891	142	185083	29.54	ug/kg	95
105) 1-Methylnaphthalene	19.120	142	23351	4.11	ug/kg	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71016.D
Acq On : 14 Aug 2013 11:35 am
Operator : krystend
Sample : bs
Misc : ms29647,msp2326,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 11:58:28 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71017.D
Acq On : 14 Aug 2013 12:03 pm
Operator : krystend
Sample : bsd
Misc : ms29647,msp2326,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 12:24:14 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	373278	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	887271	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	1127838	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.538	82	716656	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	520246	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	423470	47.42	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 94.84%#			
60) toluene-d8 (s)	11.090	98	1395675	44.67	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 89.34%#			
82) bromofluorobenzene (s)	13.771	95	581920	44.54	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 89.08%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.166	59	451194	541.49	ug/kg	99
3) Ethanol	4.987	45	423085	3792.97	ug/kg	95
5) dichlorodifluoromethane	4.152	85	379995	52.22	ug/kg	97
6) chloromethane	4.111	50	484398	63.70	ug/kg	100
7) vinyl chloride	4.333	62	442598	43.78	ug/kg	97
8) bromomethane	4.798	96	197178	55.93	ug/kg	95
9) chloroethane	4.953	64	212666	51.85	ug/kg	97
10) ethyl ether	5.809	59	274879	53.68	ug/kg	100
11) acetonitrile	5.472	41	217616	61.12	ug/kg	99
12) trichlorofluoromethane	5.566	101	890415	55.83	ug/kg	97
13) freon-113	6.314	101	401718	54.15	ug/kg	99
14) acrolein	5.573	56	227977	483.85	ug/kg	98
15) 1,1-dichloroethene	6.125	96	315487	54.92	ug/kg	90
16) acetone	5.701	58	53879	55.11	ug/kg	96
17) Methyl Acetate	6.321	43	312530	36.88	ug/kg	98
18) methylene chloride	6.280	84	357508	52.25	ug/kg	95
19) methyl tert butyl ether	7.048	73	797187	55.39	ug/kg	95
20) acrylonitrile	6.193	53	103468	45.37	ug/kg	99
21) allyl chloride	6.368	41	579089	60.97	ug/kg	93
22) trans-1,2-dichloroethene	6.954	96	331300	41.94	ug/kg	88
23) iodomethane	6.186	142	332131	60.57	ug/kg	90
24) carbon disulfide	6.536	76	995179	49.89	ug/kg	99
25) propionitrile	7.230	54	43277	38.78	ug/kg	100
26) vinyl acetate	7.318	43	435361	37.33	ug/kg	99
27) chloroprene	7.560	53	916167	56.69	ug/kg	88
28) di-isopropyl ether	7.607	45	1402145	45.30	ug/kg	97
29) methacrylonitrile	7.729	41	241768	46.02	ug/kg	91
30) 2-butanone	7.628	72	47201	40.00	ug/kg#	69
31) Hexane	7.580	41	896075	50.66	ug/kg	82
32) 1,1-dichloroethane	7.203	63	817409	51.36	ug/kg	99
33) tert-butyl ethyl ether	7.998	59	598414	52.06	ug/kg	95
34) isobutyl alcohol	7.614	43	1381407	238.95	ug/kg	91
35) 2,2-dichloropropane	8.045	77	525518	48.83	ug/kg	97
36) cis-1,2-dichloroethene	7.762	96	371311	41.57	ug/kg	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71017.D
Acq On : 14 Aug 2013 12:03 pm
Operator : krystend
Sample : bsd
Misc : ms29647,msp2326,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 12:24:14 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.294	43	26716	40.96	ug/kg	90
38) bromochloromethane	7.931	128	162720	50.80	ug/kg	95
39) chloroform	7.964	83	952926	55.25	ug/kg	99
41) Tetrahydrofuran	8.301	42	102256	38.02	ug/kg	91
42) 1,1,1-trichloroethane	8.705	97	956061	61.21	ug/kg	99
44) Cyclohexane	8.982	56	669724	42.17	ug/kg	99
45) carbon tetrachloride	9.062	117	816355	69.68	ug/kg	98
46) 1,1-dichloropropene	8.881	75	624517	48.98	ug/kg	98
47) benzene	9.096	78	1473054	45.66	ug/kg	100
48) 1,2-dichloroethane	8.611	62	853254	59.92	ug/kg	96
49) tert-amyl methyl ether	9.231	73	445742	56.86	ug/kg	97
50) heptane	9.581	43	671944	44.92	ug/kg	93
51) trichloroethene	9.716	95	445816	46.76	ug/kg	98
52) 1,2-dichloropropane	9.682	63	391345	44.19	ug/kg	100
53) dibromomethane	9.662	93	254268	56.14	ug/kg	95
54) bromodichloromethane	9.770	83	711328	60.37	ug/kg	98
55) Methylcyclohexane	10.228	83	662014	44.72	ug/kg	97
56) 2-chloroethyl vinyl ether	10.221	63	12284	68.27	ug/kg#	100
57) methyl methacrylate	9.884	69	221387	46.23	ug/kg#	79
58) 1,4-dioxane	9.878	88	15901	222.57	ug/kg	99
59) cis-1,3-dichloropropene	10.390	75	607795	46.09	ug/kg	98
61) 4-methyl-2-pentanone	10.504	43	416064	52.01	ug/kg	96
62) toluene	11.164	92	932991	46.01	ug/kg	95
63) trans-1,3-dichloropropene	10.814	75	585469	48.83	ug/kg	93
64) 1,1,2-trichloroethane	10.982	83	264104	44.05	ug/kg	96
65) ethyl methacrylate	11.198	69	437482	45.63	ug/kg	92
67) tetrachloroethene	11.898	166	448299	47.53	ug/kg	97
68) 1,3-dichloropropane	11.218	76	578593	44.13	ug/kg	99
69) dibromochloromethane	11.501	129	418017	49.94	ug/kg	97
70) 1,2-dibromoethane	11.750	107	333368	43.64	ug/kg	100
71) 2-hexanone	11.366	43	324619	48.66	ug/kg	92
72) chlorobenzene	12.579	112	958370	40.09	ug/kg	96
73) 1,1,1,2-tetrachloroethane	12.498	131	420429	52.39	ug/kg	97
74) ethylbenzene	12.754	91	1932480	43.21	ug/kg	97
75) m,p-xylene	12.943	106	1377408	83.51	ug/kg	96
76) o-xylene	13.354	106	677681	41.41	ug/kg	88
77) styrene	13.279	104	970081	39.69	ug/kg	86
78) bromoform	13.098	173	254521	50.54	ug/kg	97
79) trans-1,4-dichloro-2-b...	13.515	53	103026	52.31	ug/kg#	58
81) isopropylbenzene	13.717	105	1989435	45.85	ug/kg	97
83) bromobenzene	13.993	156	432890	47.14	ug/kg	98
84) 1,1,2,2-tetrachloroethane	13.360	83	402382	44.81	ug/kg	94
85) 1,2,3-trichloropropane	13.508	75	464606	49.65	ug/kg	99
86) n-propylbenzene	14.162	91	2195974	44.86	ug/kg	100
87) 2-chlorotoluene	14.276	91	1382145	44.20	ug/kg	98
88) 4-chlorotoluene	14.350	91	1459856	46.61	ug/kg	97
89) 1,3,5-trimethylbenzene	14.438	105	1725343	47.69	ug/kg	95
90) tert-butylbenzene	14.741	91	1189188	49.71	ug/kg	88
91) 1,2,4-trimethylbenzene	14.849	105	1701425	48.76	ug/kg	96
92) sec-butylbenzene	14.970	105	2105393	46.36	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71017.D
Acq On : 14 Aug 2013 12:03 pm
Operator : krystend
Sample : bsd
Misc : ms29647,msp2326,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 12:24:14 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

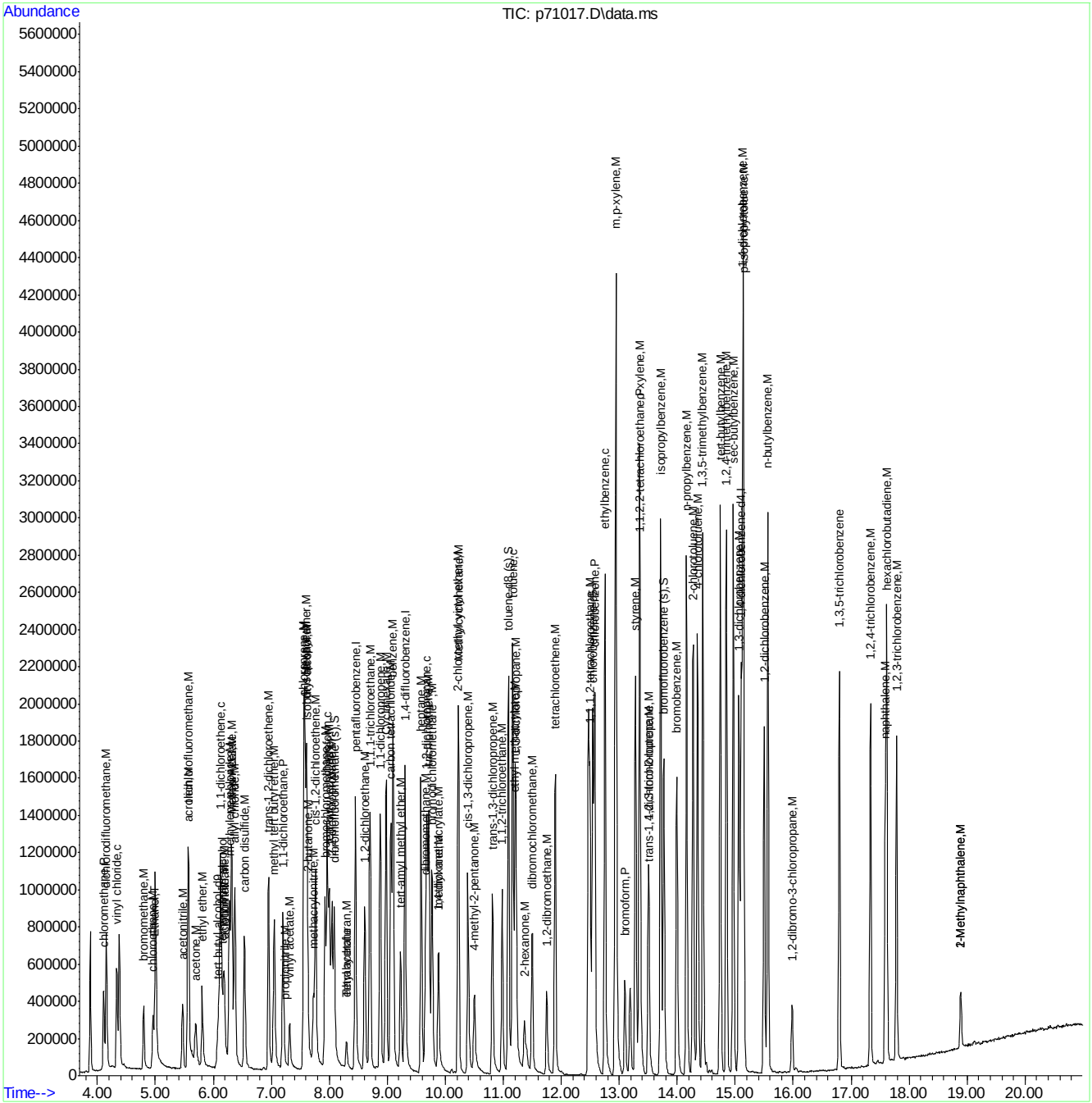
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	781020	45.34	ug/kg	98
94)	p-isopropyltoluene	15.145	119	1676237	52.03	ug/kg	97
95)	1,4-dichlorobenzene	15.132	146	810166	48.83	ug/kg	98
96)	1,2-dichlorobenzene	15.502	146	731434	45.24	ug/kg	96
97)	n-butylbenzene	15.563	91	1722536	52.29	ug/kg	99
98)	1,2-dibromo-3-chloropr...	15.981	75	110723	57.85	ug/kg	92
99)	1,3,5-trichlorobenzene	16.796	180	668254	55.38	ug/kg	99
100)	1,2,4-trichlorobenzene	17.335	180	584021	50.34	ug/kg	98
101)	hexachlorobutadiene	17.618	225	489013	55.89	ug/kg	96
102)	naphthalene	17.591	128	907002	45.60	ug/kg	100
103)	1,2,3-trichlorobenzene	17.786	180	533345	51.32	ug/kg	99
104)	2-Methylnaphthalene	18.891	142	159842	26.90	ug/kg	100
105)	1-Methylnaphthalene	18.891	142	159842	29.66	ug/kg	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71017.D
Acq On : 14 Aug 2013 12:03 pm
Operator : krystend
Sample : bsd
Misc : ms29647,msp2326,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 12:24:14 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



P130805S.M Wed Aug 14 12:24:25 2013 Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72964.D
Acq On : 8 Aug 2013 3:47 pm
Operator : GaryK
Sample : mc23133-1ms
Misc : ms29620,msk2375,6.11,,100,10,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 09 07:43:46 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.426	65	56233	500.00	ug/kg	0.00
4) pentafluorobenzene	8.839	168	369210	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.685	114	528157	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.940	82	221468	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	257843	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.468	113	191470	50.10	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.20%			
63) toluene-d8 (s)	11.478	98	688829	52.02	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.04%			
87) bromofluorobenzene (s)	14.160	95	253124	51.36	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.72%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.512	59	79030	549.22	ug/kg	92
3) Ethanol	5.373	45	81354	4496.03	ug/kg#	100
5) dichlorodifluoromethane	4.239	85	228702	57.30	ug/kg	98
6) chloromethane	4.451	50	189971	81.89	ug/kg	100
7) vinyl chloride	4.689	62	103289	53.03	ug/kg	99
8) bromomethane	5.179	96	166849	59.04	ug/kg	96
9) chloroethane	5.340	64	100946	59.88	ug/kg	94
10) dichlorofluoromethane	5.384	67	307958	60.29	ug/kg	100
11) ethyl ether	6.181	59	101713	50.83	ug/kg	87
12) acetonitrile	6.509	41	17841	42.33	ug/kg	81
13) trichlorofluoromethane	5.967	101	312576	53.98	ug/kg	100
14) freon-113	6.735	101	190879	59.35	ug/kg	99
15) acrolein	5.957	56	2302	18.50	ug/kg	95
16) 1,1-dichloroethene	6.548	96	185155	58.55	ug/kg	93
17) acetone	6.060	43	29672	54.76	ug/kg	89
18) Methyl Acetate	6.675	43	96070	39.14	ug/kg#	96
19) methylene chloride	6.682	84	188091	54.17	ug/kg	91
20) methyl tert butyl ether	7.451	73	357602	50.30	ug/kg	98
21) acrylonitrile	6.552	53	31709	48.25	ug/kg	94
22) allyl chloride	6.766	41	229820	56.81	ug/kg	85
23) trans-1,2-dichloroethene	7.350	96	206750	54.79	ug/kg	95
24) iodomethane	6.593	142	376347	59.52	ug/kg	97
25) carbon disulfide	6.962	76	527854	60.31	ug/kg	98
26) propionitrile	7.569	54	11070	44.96	ug/kg	100
27) vinyl acetate	7.664	43	168521	35.69	ug/kg	94
28) chloroprene	7.959	53	228516	61.07	ug/kg	100
29) di-isopropyl ether	8.008	45	462302	51.58	ug/kg	91
30) methacrylonitrile	8.084	41	66779	45.41	ug/kg	79
31) 2-butanone	7.985	72	11734	44.74	ug/kg#	1
32) Hexane	7.994	41	236535	56.63	ug/kg#	82
33) 1,1-dichloroethane	7.599	63	285820	59.94	ug/kg	99
34) tert-butyl ethyl ether	8.398	59	402231	53.63	ug/kg	97
35) isobutyl alcohol	8.400	43	57326	236.12	ug/kg	94
36) 2,2-dichloropropane	8.459	77	222314	64.65	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72964.D
Acq On : 8 Aug 2013 3:47 pm
Operator : GaryK
Sample : mc23133-1ms
Misc : ms29620,msk2375,6.11,,100,10,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 09 07:43:46 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.167	96	219045	51.95	ug/kg	95
38) ethyl acetate	8.399	43	57732	47.65	ug/kg	96
39) bromochloromethane	8.318	128	117528	56.82	ug/kg	93
40) chloroform	8.358	83	323785	58.44	ug/kg	99
42) Tetrahydrofuran	8.677	42	26209	45.79	ug/kg	90
43) 1,1,1-trichloroethane	9.125	97	300128	60.24	ug/kg	98
44) n-Butyl Alcohol	9.427	56	251494	1510.26	ug/kg#	42
46) Cyclohexane	9.427	56	251278	60.79	ug/kg	100
47) carbon tetrachloride	9.482	117	261143	59.91	ug/kg	99
48) 1,1-dichloropropene	9.288	75	234717	56.15	ug/kg	96
49) benzene	9.486	78	693860	53.02	ug/kg	100
50) 1,2-dichloroethane	8.991	62	192725	50.74	ug/kg	100
51) tert-amyl methyl ether	9.634	73	384837	52.05	ug/kg	95
52) heptane	9.998	43	217940	62.56	ug/kg	84
53) 2-Nitropropane	9.998	43	217940	61.16	ug/kg	97
54) trichloroethene	10.122	95	211372	53.62	ug/kg	96
55) 1,2-dichloropropane	10.075	63	161932	52.27	ug/kg	98
56) dibromomethane	10.048	93	102113	54.71	ug/kg	94
57) bromodichloromethane	10.161	83	229160	52.49	ug/kg	98
58) Methylcyclohexane	10.664	83	295873	59.99	ug/kg	96
59) 2-chloroethyl vinyl ether	10.533	63	42079	27.07	ug/kg	98
60) methyl methacrylate	10.251	69	67877	46.68	ug/kg	81
61) 1,4-dioxane	10.248	88	4456	196.67	ug/kg	87
62) cis-1,3-dichloropropene	10.785	75	275187	52.28	ug/kg	96
64) 4-methyl-2-pentanone	10.866	43	84824	48.64	ug/kg	88
65) toluene	11.550	92	494667	56.23	ug/kg	96
66) trans-1,3-dichloropropene	11.196	75	234517	54.75	ug/kg	94
67) 1,1,2-trichloroethane	11.367	83	119689	49.11	ug/kg	97
68) ethyl methacrylate	11.570	69	131631	48.58	ug/kg	83
70) tetrachloroethene	12.307	166	266762	62.12	ug/kg	98
71) 1,3-dichloropropane	11.606	76	206135	49.16	ug/kg	97
72) dibromochloromethane	11.887	129	198737	53.06	ug/kg	99
73) 1,2-dibromoethane	12.135	107	160841	50.42	ug/kg	99
74) 2-hexanone	11.721	43	50844	43.44	ug/kg	95
75) chlorobenzene	12.976	112	602849	51.41	ug/kg	95
76) 1-chlorohexane	12.873	91	276881	61.14	ug/kg	97
77) 1,1,1,2-tetrachloroethane	12.902	131	221717	54.04	ug/kg	98
78) ethylbenzene	13.147	91	938962	57.34	ug/kg	99
79) m,p-xylene	13.330	106	796654	114.17	ug/kg	99
80) o-xylene	13.743	106	382937	55.47	ug/kg	98
81) styrene	13.665	104	615407	55.29	ug/kg	95
82) bromoform	13.487	173	100858	53.85	ug/kg	97
83) cis-1,4-dichloro-2-butene	13.573	88	38814	47.46	ug/kg	93
84) trans-1,4-dichloro-2-b...	13.894	53	26726	54.47	ug/kg#	72
86) isopropylbenzene	14.108	105	964427	55.92	ug/kg	99
88) bromobenzene	14.394	156	283359	54.39	ug/kg	92
89) 1,1,2,2-tetrachloroethane	13.752	83	136122	47.70	ug/kg	97
90) 1,2,3-trichloropropane	13.894	75	141468	50.06	ug/kg	99
91) n-propylbenzene	14.555	91	1045048	55.72	ug/kg	98
92) 2-chlorotoluene	14.675	91	628451	53.22	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72964.D
Acq On : 8 Aug 2013 3:47 pm
Operator : GaryK
Sample : mc23133-1ms
Misc : ms29620,msk2375,6.11,,100,10,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 09 07:43:46 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

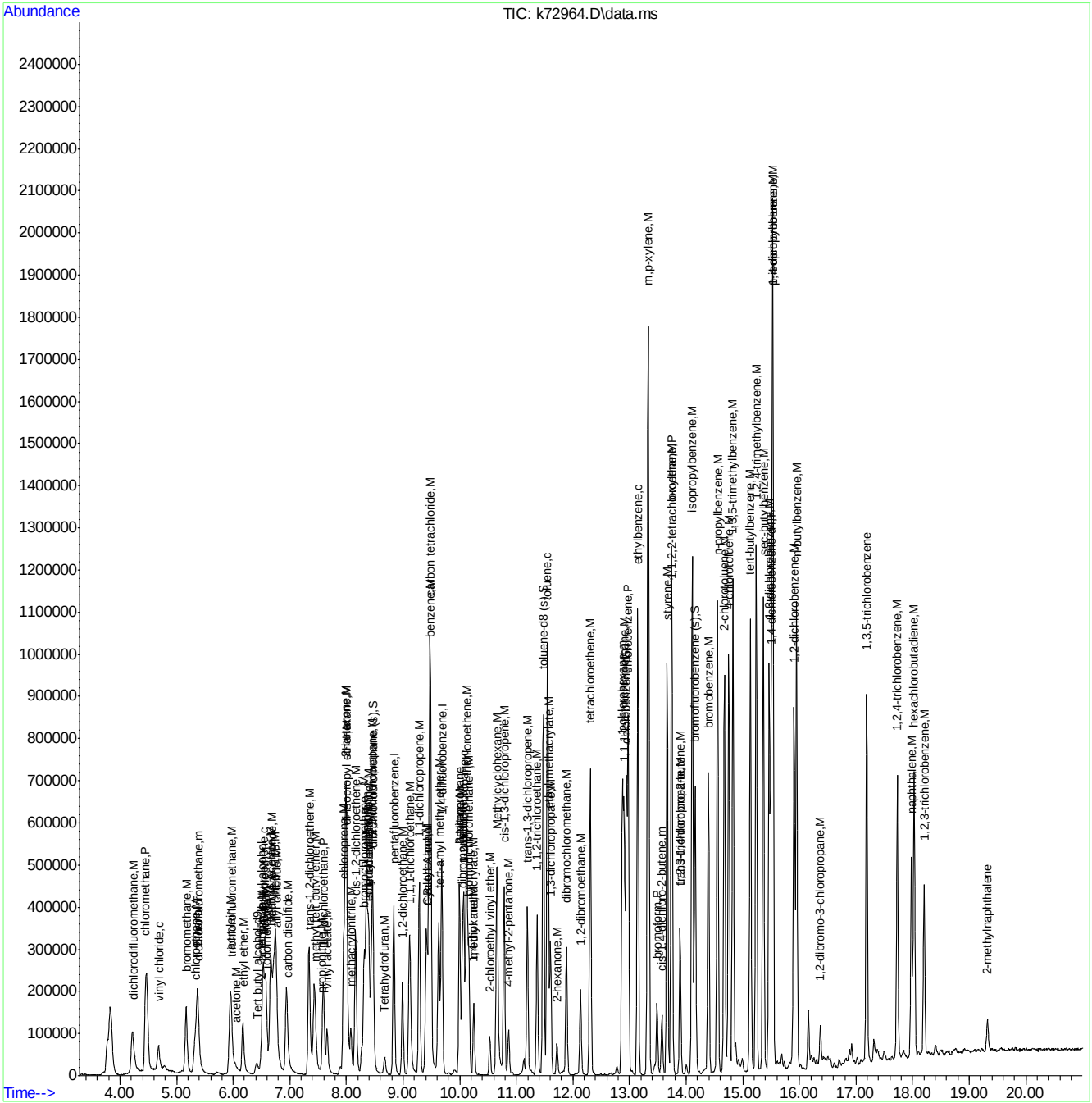
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 4-chlorotoluene	14.752	91	649740	54.27	ug/kg	97
94) 1,3,5-trimethylbenzene	14.826	105	778274	55.58	ug/kg	98
95) tert-butylbenzene	15.134	91	403242	54.54	ug/kg	95
96) 1,2,4-trimethylbenzene	15.238	105	823993	57.94	ug/kg	100
97) sec-butylbenzene	15.362	105	992134	56.11	ug/kg	99
98) 1,3-dichlorobenzene	15.466	146	521085	52.56	ug/kg	98
99) p-isopropyltoluene	15.529	119	818604	58.71	ug/kg	97
100) 1,4-dichlorobenzene	15.528	146	512178	54.09	ug/kg	96
101) 1,2-dichlorobenzene	15.907	146	469861	51.79	ug/kg	98
102) n-butylbenzene	15.950	91	722630	58.77	ug/kg	99
103) 1,2-dibromo-3-chloropr...	16.370	75	17148	43.85	ug/kg	95
104) 1,3,5-trichlorobenzene	17.188	180	342851	60.03	ug/kg	100
105) 1,2,4-trichlorobenzene	17.729	180	254735	51.15	ug/kg	100
106) hexachlorobutadiene	18.025	225	167194	58.00	ug/kg	96
107) naphthalene	17.978	128	474361	60.24	ug/kg	100
108) 1,2,3-trichlorobenzene	18.203	180	166533	47.39	ug/kg	99
109) 2-methylnaphthalene	19.321	142	46429	22.35	ug/kg	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72964.D
Acq On : 8 Aug 2013 3:47 pm
Operator : GaryK
Sample : mc23133-1ms
Misc : ms29620,msk2375,6.11,,100,10,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 09 07:43:46 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 08/09/13 10:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72965.D
Acq On : 8 Aug 2013 4:14 pm
Operator : GaryK
Sample : mc23133-1msd
Misc : ms29620,msk2375,6.11,,100,10,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 09 07:44:26 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.425	65	57430	500.00	ug/kg	0.00
4) pentafluorobenzene	8.838	168	365207	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.684	114	526329	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.941	82	217139	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	257488	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.467	113	191874	50.75	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.50%			
63) toluene-d8 (s)	11.477	98	685514	51.95	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.90%			
87) bromofluorobenzene (s)	14.160	95	247512	50.29	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.58%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.510	59	80586	548.37	ug/kg	87
3) Ethanol	5.361	45	79225	4287.11	ug/kg#	100
5) dichlorodifluoromethane	4.237	85	218046	55.23	ug/kg	99
6) chloromethane	4.448	50	187816	81.85	ug/kg	100
7) vinyl chloride	4.686	62	96944	50.32	ug/kg	95
8) bromomethane	5.177	96	164589	58.88	ug/kg	99
9) chloroethane	5.335	64	97602	58.53	ug/kg	93
10) dichlorofluoromethane	5.380	67	301421	59.66	ug/kg	100
11) ethyl ether	6.178	59	101133	51.10	ug/kg	93
12) acetonitrile	6.509	41	20060	48.12	ug/kg	80
13) trichlorofluoromethane	5.963	101	302200	52.76	ug/kg	95
14) freon-113	6.730	101	183116	57.56	ug/kg	94
15) acrolein	5.955	56	2361m	19.18	ug/kg	
16) 1,1-dichloroethene	6.541	96	177164	56.64	ug/kg	92
17) acetone	6.056	43	28510	53.19	ug/kg	98
18) Methyl Acetate	6.672	43	95945	39.51	ug/kg	92
19) methylene chloride	6.680	84	188324	54.83	ug/kg	91
20) methyl tert butyl ether	7.449	73	356635	50.71	ug/kg	96
21) acrylonitrile	6.550	53	33343	51.29	ug/kg	99
22) allyl chloride	6.767	41	228709	57.16	ug/kg	86
23) trans-1,2-dichloroethene	7.349	96	205119	54.95	ug/kg	96
24) iodomethane	6.590	142	370547	59.24	ug/kg	95
25) carbon disulfide	6.957	76	517154m	59.74	ug/kg	
26) propionitrile	7.567	54	11255	46.21	ug/kg	100
27) vinyl acetate	7.662	43	167017	35.76	ug/kg	97
28) chloroprene	7.958	53	226569	61.22	ug/kg	98
29) di-isopropyl ether	8.005	45	460508	51.94	ug/kg	89
30) methacrylonitrile	8.083	41	65406	44.96	ug/kg	88
31) 2-butanone	7.983	72	11584	44.65	ug/kg#	1
32) Hexane	7.992	41	231199	55.96	ug/kg#	81
33) 1,1-dichloroethane	7.598	63	279258	59.21	ug/kg	99
34) tert-butyl ethyl ether	8.396	59	398987	53.78	ug/kg	97
35) isobutyl alcohol	8.399	43	56950	237.14	ug/kg	94
36) 2,2-dichloropropane	8.457	77	217345	63.90	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72965.D
Acq On : 8 Aug 2013 4:14 pm
Operator : GaryK
Sample : mc23133-1msd
Misc : ms29620,msk2375,6.11,,100,10,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 09 07:44:26 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.168	96	221576	53.13	ug/kg	95
38) ethyl acetate	8.399	43	56848	47.44	ug/kg	92
39) bromochloromethane	8.317	128	118274	57.81	ug/kg	98
40) chloroform	8.356	83	320439	58.47	ug/kg	100
42) Tetrahydrofuran	8.675	42	27133	47.92	ug/kg	93
43) 1,1,1-trichloroethane	9.124	97	290327	58.91	ug/kg	99
44) n-Butyl Alcohol	9.426	56	244546	1484.63	ug/kg#	39
46) Cyclohexane	9.426	56	244546	59.37	ug/kg	93
47) carbon tetrachloride	9.481	117	254851	58.67	ug/kg	98
48) 1,1-dichloropropene	9.287	75	231193	55.50	ug/kg	95
49) benzene	9.485	78	695541	53.34	ug/kg	100
50) 1,2-dichloroethane	8.991	62	192509	50.86	ug/kg	100
51) tert-amyl methyl ether	9.633	73	381725	51.81	ug/kg	93
52) heptane	9.998	43	214266	61.71	ug/kg	84
53) 2-Nitropropane	9.998	43	214266	60.34	ug/kg	99
54) trichloroethene	10.121	95	212444	54.08	ug/kg	95
55) 1,2-dichloropropane	10.074	63	162221	52.55	ug/kg	99
56) dibromomethane	10.047	93	104238	56.04	ug/kg	100
57) bromodichloromethane	10.160	83	229498	52.75	ug/kg	99
58) Methylcyclohexane	10.664	83	285163	58.02	ug/kg	98
59) 2-chloroethyl vinyl ether	10.532	63	42761	27.61	ug/kg	97
60) methyl methacrylate	10.250	69	68821	47.50	ug/kg	84
61) 1,4-dioxane	10.255	88	5090	225.43	ug/kg	88
62) cis-1,3-dichloropropene	10.785	75	273130	52.07	ug/kg	93
64) 4-methyl-2-pentanone	10.865	43	85958	49.47	ug/kg	88
65) toluene	11.550	92	491588	56.07	ug/kg	96
66) trans-1,3-dichloropropene	11.196	75	235162	55.09	ug/kg	97
67) 1,1,2-trichloroethane	11.367	83	119653	49.26	ug/kg	98
68) ethyl methacrylate	11.570	69	133475	49.43	ug/kg	84
70) tetrachloroethene	12.307	166	260995	61.99	ug/kg	98
71) 1,3-dichloropropane	11.606	76	207260	50.42	ug/kg	96
72) dibromochloromethane	11.887	129	199604	54.35	ug/kg	99
73) 1,2-dibromoethane	12.135	107	162617	52.00	ug/kg	100
74) 2-hexanone	11.721	43	52679	45.90	ug/kg	92
75) chlorobenzene	12.976	112	599168	52.12	ug/kg	95
76) 1-chlorohexane	12.873	91	273338	61.56	ug/kg	97
77) 1,1,1,2-tetrachloroethane	12.902	131	218970	54.44	ug/kg	99
78) ethylbenzene	13.146	91	927189	57.75	ug/kg	99
79) m,p-xylene	13.330	106	788043	115.19	ug/kg	99
80) o-xylene	13.743	106	381591	56.38	ug/kg	97
81) styrene	13.665	104	611600	56.04	ug/kg	94
82) bromoform	13.487	173	101552	55.30	ug/kg	100
83) cis-1,4-dichloro-2-butene	13.573	88	38660	48.21	ug/kg	92
84) trans-1,4-dichloro-2-b...	13.893	53	25659	53.34	ug/kg#	76
86) isopropylbenzene	14.108	105	953670	55.37	ug/kg	99
88) bromobenzene	14.395	156	282541	54.31	ug/kg	92
89) 1,1,2,2-tetrachloroethane	13.752	83	138778	48.69	ug/kg	97
90) 1,2,3-trichloropropane	13.894	75	140469	49.77	ug/kg	98
91) n-propylbenzene	14.555	91	1031483	55.08	ug/kg	99
92) 2-chlorotoluene	14.676	91	617430	52.36	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72965.D
Acq On : 8 Aug 2013 4:14 pm
Operator : GaryK
Sample : mc23133-1msd
Misc : ms29620,msk2375,6.11,,100,10,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 09 07:44:26 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

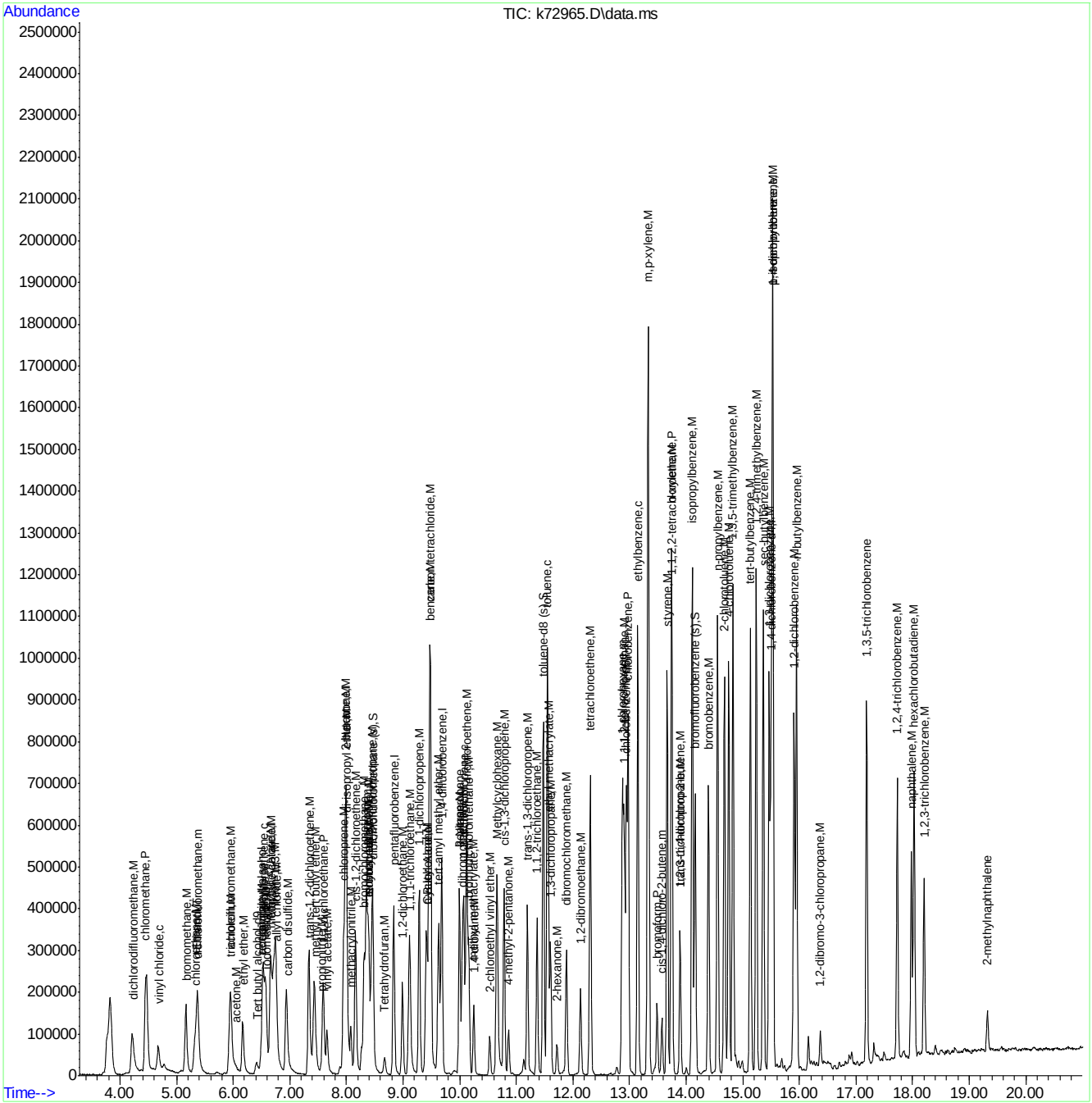
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.752	91	644552	53.91	ug/kg	96
94)	1,3,5-trimethylbenzene	14.826	105	772710	55.26	ug/kg	97
95)	tert-butylbenzene	15.133	91	398989	54.04	ug/kg	93
96)	1,2,4-trimethylbenzene	15.237	105	820076	57.74	ug/kg	97
97)	sec-butylbenzene	15.362	105	976172	55.28	ug/kg	98
98)	1,3-dichlorobenzene	15.466	146	516889	52.21	ug/kg	97
99)	p-isopropyltoluene	15.529	119	818379	58.77	ug/kg	97
100)	1,4-dichlorobenzene	15.528	146	508161	53.74	ug/kg	96
101)	1,2-dichlorobenzene	15.906	146	467554	51.60	ug/kg	98
102)	n-butylbenzene	15.950	91	715724	58.29	ug/kg	99
103)	1,2-dibromo-3-chloropr...	16.370	75	16724	42.82	ug/kg	98
104)	1,3,5-trichlorobenzene	17.188	180	344452	60.40	ug/kg	100
105)	1,2,4-trichlorobenzene	17.729	180	261616	52.60	ug/kg	97
106)	hexachlorobutadiene	18.025	225	167830	58.30	ug/kg	98
107)	naphthalene	17.977	128	491446	62.50	ug/kg	100
108)	1,2,3-trichlorobenzene	18.203	180	173799	49.53	ug/kg	96
109)	2-methylnaphthalene	19.321	142	61143	29.47	ug/kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72965.D
Acq On : 8 Aug 2013 4:14 pm
Operator : GaryK
Sample : mc23133-1msd
Misc : ms29620,msk2375,6.11,,100,10,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 09 07:44:26 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72994.D
Acq On : 9 Aug 2013 12:57 pm
Operator : GaryK
Sample : mc23228-1ms
Misc : ms29626,msk2376,11.134,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 09 14:51:07 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.430	65	64227	500.00	ug/kg	0.00
4) pentafluorobenzene	8.841	168	369554	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.687	114	523551	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.942	82	215089	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.502	152	258792	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.471	113	195810	51.18	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.36%			
63) toluene-d8 (s)	11.479	98	705540	53.75	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.50%			
87) bromofluorobenzene (s)	14.161	95	253144	51.18	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.36%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.514	59	87245	530.85	ug/kg	88
3) Ethanol	5.381	45	91128	4409.36	ug/kg#	100
5) dichlorodifluoromethane	4.246	85	211552	52.96	ug/kg	96
6) chloromethane	4.455	50	175574	74.44	ug/kg	98
7) vinyl chloride	4.694	62	91350	46.86	ug/kg	98
8) bromomethane	5.177	96	156656	55.38	ug/kg	97
9) chloroethane	5.340	64	97821	57.97	ug/kg	92
10) dichlorofluoromethane	5.386	67	300235	58.72	ug/kg	100
11) ethyl ether	6.186	59	104694	52.27	ug/kg	96
12) acetonitrile	6.512	41	18405	43.63	ug/kg	75
13) trichlorofluoromethane	5.968	101	317088	54.71	ug/kg	99
14) freon-113	6.735	101	195562	60.75	ug/kg	97
15) acrolein	5.961	56	2491	20.00	ug/kg	95
16) 1,1-dichloroethene	6.549	96	184995	58.45	ug/kg	91
17) acetone	6.057	43	26427	48.73	ug/kg	92
18) Methyl Acetate	6.677	43	96553	39.30	ug/kg	94
19) methylene chloride	6.687	84	187444	53.93	ug/kg	90
20) methyl tert butyl ether	7.454	73	367750	51.68	ug/kg	99
21) acrylonitrile	6.554	53	34767	52.85	ug/kg	92
22) allyl chloride	6.773	41	232544	57.43	ug/kg	87
23) trans-1,2-dichloroethene	7.352	96	205996	54.54	ug/kg	95
24) iodomethane	6.596	142	363862	57.49	ug/kg	93
25) carbon disulfide	6.965	76	518105	59.14	ug/kg	100
26) propionitrile	7.568	54	12596	51.10	ug/kg	100
27) vinyl acetate	7.665	43	200284	42.38	ug/kg	96
28) chloroprene	7.962	53	239294	63.90	ug/kg	98
29) di-isopropyl ether	8.011	45	462606	51.56	ug/kg	90
30) methacrylonitrile	8.085	41	70083	47.61	ug/kg	82
31) 2-butanone	7.987	72	13488	51.38	ug/kg#	1
32) Hexane	7.995	41	242358	57.97	ug/kg#	81
33) 1,1-dichloroethane	7.604	63	286577	60.05	ug/kg	99
34) tert-butyl ethyl ether	8.402	59	403928	53.81	ug/kg	96
35) isobutyl alcohol	8.408	43	63447	261.08	ug/kg	93
36) 2,2-dichloropropane	8.461	77	238923	69.41	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72994.D
Acq On : 9 Aug 2013 12:57 pm
Operator : GaryK
Sample : mc23228-1ms
Misc : ms29626,msk2376,11.134,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 09 14:51:07 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.172	96	221343	52.45	ug/kg	96
38) ethyl acetate	8.407	43	61911	51.06	ug/kg	93
39) bromochloromethane	8.321	128	120334	58.12	ug/kg	98
40) chloroform	8.361	83	324255	58.47	ug/kg	95
42) Tetrahydrofuran	8.678	42	26791	46.76	ug/kg	98
43) 1,1,1-trichloroethane	9.127	97	300538	60.27	ug/kg	97
44) n-Butyl Alcohol	9.428	56	252610	1515.55	ug/kg#	35
46) Cyclohexane	9.428	56	252370	61.60	ug/kg	96
47) carbon tetrachloride	9.484	117	265918	61.55	ug/kg	99
48) 1,1-dichloropropene	9.290	75	241487	58.28	ug/kg	95
49) benzene	9.488	78	686209	52.90	ug/kg	98
50) 1,2-dichloroethane	8.993	62	200501	53.25	ug/kg	99
51) tert-amyl methyl ether	9.637	73	389912	53.20	ug/kg	94
52) heptane	9.999	43	246575	71.40	ug/kg	87
53) 2-Nitropropane	9.999	43	246575	69.80	ug/kg	97
54) trichloroethene	10.124	95	210134	53.77	ug/kg	95
55) 1,2-dichloropropane	10.076	63	162928	53.06	ug/kg	99
56) dibromomethane	10.049	93	108682	58.74	ug/kg	95
57) bromodichloromethane	10.162	83	236515	54.65	ug/kg	99
58) Methylcyclohexane	10.671	83	306373	62.66	ug/kg	97
59) 2-chloroethyl vinyl ether	10.533	63	45262	29.38	ug/kg	97
60) methyl methacrylate	10.252	69	75168	52.15	ug/kg	81
61) 1,4-dioxane	10.251	88	5382	239.63	ug/kg	94
62) cis-1,3-dichloropropene	10.787	75	284368	54.50	ug/kg	95
64) 4-methyl-2-pentanone	10.868	43	93879	54.31	ug/kg	88
65) toluene	11.551	92	491147	56.32	ug/kg	95
66) trans-1,3-dichloropropene	11.197	75	249491	58.76	ug/kg	96
67) 1,1,2-trichloroethane	11.369	83	126496	52.36	ug/kg	97
68) ethyl methacrylate	11.572	69	145620	54.21	ug/kg	85
70) tetrachloroethene	12.309	166	275986	66.18	ug/kg	98
71) 1,3-dichloropropane	11.608	76	215387	52.90	ug/kg	99
72) dibromochloromethane	11.888	129	211337	58.10	ug/kg	99
73) 1,2-dibromoethane	12.137	107	174403	56.30	ug/kg	99
74) 2-hexanone	11.721	43	57916	50.95	ug/kg	96
75) chlorobenzene	12.977	112	609680	53.54	ug/kg	97
76) 1-chlorohexane	12.874	91	285511	64.91	ug/kg#	70
77) 1,1,1,2-tetrachloroethane	12.904	131	220868	55.43	ug/kg	97
78) ethylbenzene	13.148	91	928777	58.40	ug/kg	98
79) m,p-xylene	13.331	106	786157	116.01	ug/kg	99
80) o-xylene	13.744	106	374372	55.84	ug/kg	100
81) styrene	13.667	104	622335	57.57	ug/kg	95
82) bromoform	13.488	173	109794	60.36	ug/kg	95
83) cis-1,4-dichloro-2-butene	13.574	88	47410	59.61	ug/kg	92
84) trans-1,4-dichloro-2-b...	13.893	53	35691	74.90	ug/kg	96
86) isopropylbenzene	14.109	105	958642	55.38	ug/kg	100
88) bromobenzene	14.396	156	277629	53.09	ug/kg	93
89) 1,1,2,2-tetrachloroethane	13.753	83	148581	51.87	ug/kg	80
90) 1,2,3-trichloropropane	13.895	75	155708	54.89	ug/kg	98
91) n-propylbenzene	14.556	91	1017230	54.04	ug/kg	99
92) 2-chlorotoluene	14.677	91	619358	52.26	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72994.D
Acq On : 9 Aug 2013 12:57 pm
Operator : GaryK
Sample : mc23228-1ms
Misc : ms29626,msk2376,11.134,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 09 14:51:07 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

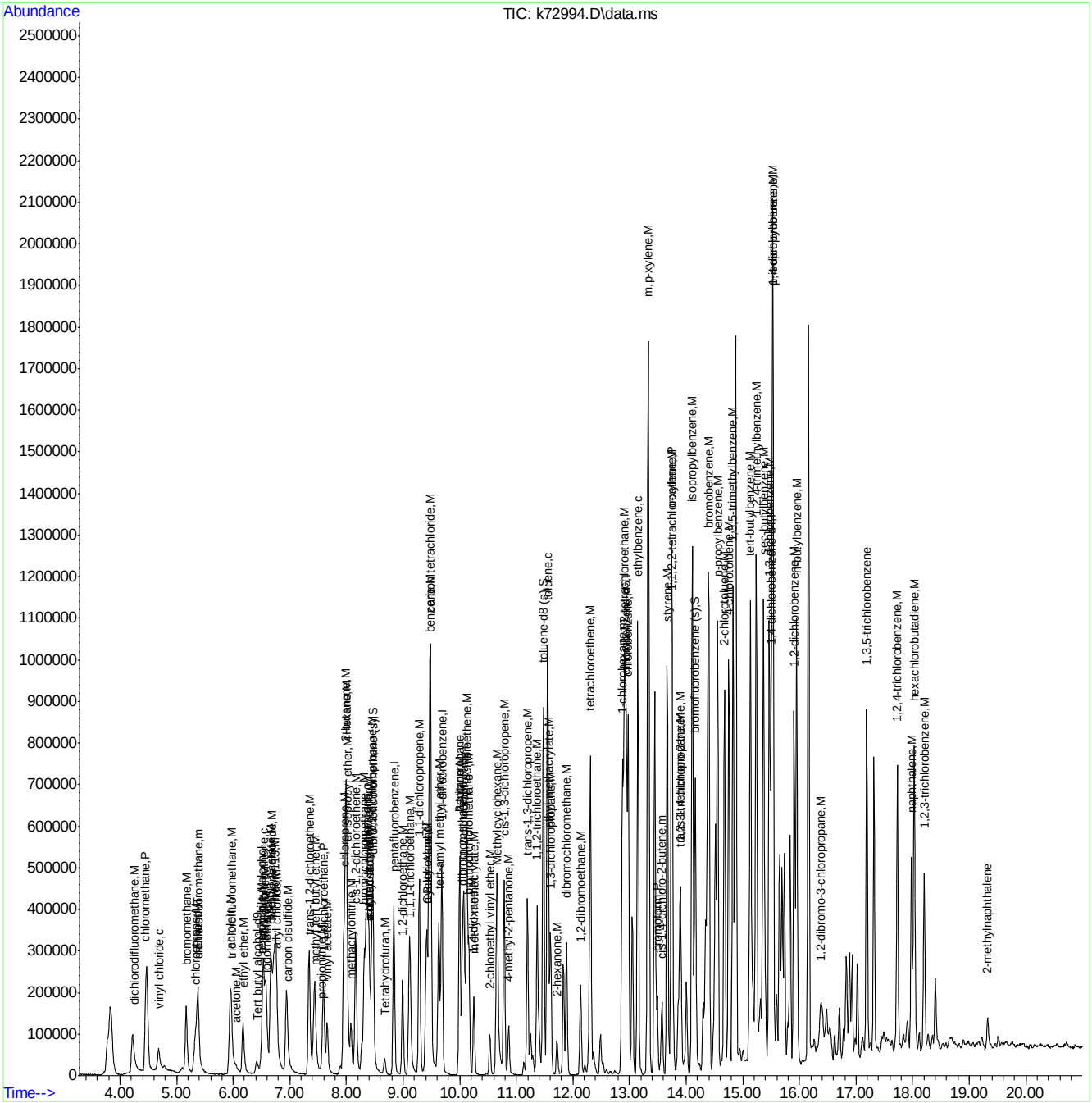
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 4-chlorotoluene	14.754	91	650287	54.12	ug/kg	95
94) 1,3,5-trimethylbenzene	14.828	105	777255	55.31	ug/kg	98
95) tert-butylbenzene	15.135	91	399742	53.86	ug/kg	92
96) 1,2,4-trimethylbenzene	15.239	105	776007	54.36	ug/kg	99
97) sec-butylbenzene	15.364	105	978476	55.13	ug/kg	99
98) 1,3-dichlorobenzene	15.467	146	515744	51.83	ug/kg	98
99) p-isopropyltoluene	15.531	119	822283	58.76	ug/kg	97
100) 1,4-dichlorobenzene	15.530	146	516945	54.39	ug/kg	95
101) 1,2-dichlorobenzene	15.908	146	465350	51.10	ug/kg	98
102) n-butylbenzene	15.951	91	711375	57.65	ug/kg	99
103) 1,2-dibromo-3-chloropr...	16.372	75	18167	46.28	ug/kg	95
104) 1,3,5-trichlorobenzene	17.190	180	338729	59.09	ug/kg	100
105) 1,2,4-trichlorobenzene	17.731	180	262975	52.61	ug/kg	100
106) hexachlorobutadiene	18.027	225	175863	60.79	ug/kg	98
107) naphthalene	17.979	128	402985	50.99	ug/kg	100
108) 1,2,3-trichlorobenzene	18.205	180	178884	50.72	ug/kg	98
109) 2-methylnaphthalene	19.323	142	43878	21.04	ug/kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72994.D
Acq On : 9 Aug 2013 12:57 pm
Operator : GaryK
Sample : mc23228-1ms
Misc : ms29626,msk2376,11.134,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 09 14:51:07 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72995.D
Acq On : 9 Aug 2013 1:24 pm
Operator : GaryK
Sample : mc23228-1msd
Misc : ms29626,msk2376,11.134,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 09 14:52:38 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.423	65	55114	500.00	ug/kg	0.00
4) pentafluorobenzene	8.839	168	366266	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.685	114	527173	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.941	82	212604	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	253183	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.468	113	187992	49.58	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.16%			
63) toluene-d8 (s)	11.478	98	680809	51.51	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.02%			
87) bromofluorobenzene (s)	14.160	95	245031	50.63	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.26%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.509	59	78151	554.14	ug/kg	86
3) Ethanol	5.368	45	81427	4591.43	ug/kg#	100
5) dichlorodifluoromethane	4.238	85	203086	51.29	ug/kg	99
6) chloromethane	4.450	50	177397	76.19	ug/kg	98
7) vinyl chloride	4.687	62	96233	49.80	ug/kg	97
8) bromomethane	5.172	96	155449	55.45	ug/kg	97
9) chloroethane	5.332	64	94789	56.68	ug/kg	94
10) dichlorofluoromethane	5.379	67	293461	57.91	ug/kg	100
11) ethyl ether	6.179	59	98377	49.56	ug/kg	100
12) acetonitrile	6.506	41	19626	46.94	ug/kg	94
13) trichlorofluoromethane	5.962	101	303753	52.88	ug/kg	97
14) freon-113	6.731	101	186264	58.38	ug/kg	90
15) acrolein	5.954	56	2189	17.73	ug/kg	95
16) 1,1-dichloroethene	6.543	96	178890	57.03	ug/kg	93
17) acetone	6.054	43	25039	46.58	ug/kg	89
18) Methyl Acetate	6.669	43	82009	33.68	ug/kg	92
19) methylene chloride	6.680	84	181451	52.68	ug/kg	90
20) methyl tert butyl ether	7.452	73	341230	48.38	ug/kg	97
21) acrylonitrile	6.549	53	30664	47.03	ug/kg	81
22) allyl chloride	6.769	41	226561	56.46	ug/kg	87
23) trans-1,2-dichloroethene	7.348	96	198700	53.08	ug/kg	97
24) iodomethane	6.590	142	354860	56.57	ug/kg	96
25) carbon disulfide	6.958	76	498137	57.38	ug/kg	99
26) propionitrile	7.568	54	10820	44.29	ug/kg	100
27) vinyl acetate	7.662	43	180173	38.46	ug/kg	96
28) chloroprene	7.959	53	226418	61.00	ug/kg	95
29) di-isopropyl ether	8.008	45	447238	50.30	ug/kg	91
30) methacrylonitrile	8.081	41	62928	43.13	ug/kg	87
31) 2-butanone	7.982	72	12272	47.17	ug/kg#	1
32) Hexane	7.992	41	235204	56.76	ug/kg#	82
33) 1,1-dichloroethane	7.600	63	279106	59.01	ug/kg	98
34) tert-butyl ethyl ether	8.398	59	384558	51.69	ug/kg	98
35) isobutyl alcohol	8.403	43	60448	250.98	ug/kg	87
36) 2,2-dichloropropane	8.458	77	229249	67.20	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72995.D
Acq On : 9 Aug 2013 1:24 pm
Operator : GaryK
Sample : mc23228-1msd
Misc : ms29626,msk2376,11.134,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 09 14:52:38 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	cis-1,2-dichloroethene	8.169	96	213643	51.08	ug/kg	95
38)	ethyl acetate	8.402	43	57512	47.85	ug/kg	93
39)	bromochloromethane	8.317	128	113252	55.19	ug/kg	97
40)	chloroform	8.357	83	315934	57.48	ug/kg	99
42)	Tetrahydrofuran	8.676	42	24020	42.30	ug/kg	84
43)	1,1,1-trichloroethane	9.125	97	290183	58.71	ug/kg	96
44)	n-Butyl Alcohol	9.425	56	239661	1450.77	ug/kg#	41
46)	Cyclohexane	9.425	56	239441	58.04	ug/kg	99
47)	carbon tetrachloride	9.481	117	257752	59.25	ug/kg	96
48)	1,1-dichloropropene	9.287	75	233919	56.07	ug/kg	95
49)	benzene	9.486	78	665235	50.93	ug/kg	99
50)	1,2-dichloroethane	8.991	62	188530	49.72	ug/kg	99
51)	tert-amyl methyl ether	9.635	73	368611	49.95	ug/kg	95
52)	heptane	9.998	43	241101	69.33	ug/kg	86
53)	2-Nitropropane	9.998	43	241101	67.78	ug/kg	97
54)	trichloroethene	10.121	95	203503	51.72	ug/kg	93
55)	1,2-dichloropropane	10.075	63	157586	50.96	ug/kg	98
56)	dibromomethane	10.047	93	100732	54.07	ug/kg	94
57)	bromodichloromethane	10.160	83	225350	51.71	ug/kg	98
58)	Methylcyclohexane	10.664	83	284253	57.74	ug/kg	97
59)	2-chloroethyl vinyl ether	10.532	63	41100	26.49	ug/kg	98
60)	methyl methacrylate	10.250	69	66378	45.74	ug/kg	83
61)	1,4-dioxane	10.249	88	4768	210.83	ug/kg	90
62)	cis-1,3-dichloropropene	10.785	75	269715	51.34	ug/kg	92
64)	4-methyl-2-pentanone	10.867	43	84259	48.41	ug/kg	88
65)	toluene	11.550	92	476690	54.28	ug/kg	98
66)	trans-1,3-dichloropropene	11.196	75	229967	53.79	ug/kg	93
67)	1,1,2-trichloroethane	11.368	83	116090	47.72	ug/kg	98
68)	ethyl methacrylate	11.570	69	128802	47.62	ug/kg	84
70)	tetrachloroethene	12.307	166	267273	64.84	ug/kg	98
71)	1,3-dichloropropane	11.606	76	200909	49.92	ug/kg	100
72)	dibromochloromethane	11.887	129	192636	53.57	ug/kg	99
73)	1,2-dibromoethane	12.136	107	156912	51.24	ug/kg	100
74)	2-hexanone	11.721	43	52199	46.46	ug/kg	96
75)	chlorobenzene	12.976	112	589316	52.35	ug/kg	96
76)	1-chlorohexane	12.873	91	275888	63.46	ug/kg#	71
77)	1,1,1,2-tetrachloroethane	12.903	131	210926	53.56	ug/kg	96
78)	ethylbenzene	13.147	91	902006	57.38	ug/kg	98
79)	m,p-xylene	13.330	106	759247	113.35	ug/kg	99
80)	o-xylene	13.744	106	360278	54.37	ug/kg	98
81)	styrene	13.666	104	599022	56.06	ug/kg	94
82)	bromoform	13.488	173	96251	53.53	ug/kg	99
83)	cis-1,4-dichloro-2-butene	13.574	88	41502	52.82	ug/kg	92
84)	trans-1,4-dichloro-2-b...	13.893	53	31108	66.05	ug/kg#	83
86)	isopropylbenzene	14.109	105	930546	54.95	ug/kg	99
88)	bromobenzene	14.395	156	264379	51.68	ug/kg	90
89)	1,1,2,2-tetrachloroethane	13.753	83	133138	47.51	ug/kg	82
90)	1,2,3-trichloropropane	13.895	75	137864	49.68	ug/kg	97
91)	n-propylbenzene	14.556	91	987526	53.62	ug/kg	99
92)	2-chlorotoluene	14.677	91	597213	51.51	ug/kg	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72995.D
Acq On : 9 Aug 2013 1:24 pm
Operator : GaryK
Sample : mc23228-1msd
Misc : ms29626,msk2376,11.134,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 09 14:52:38 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

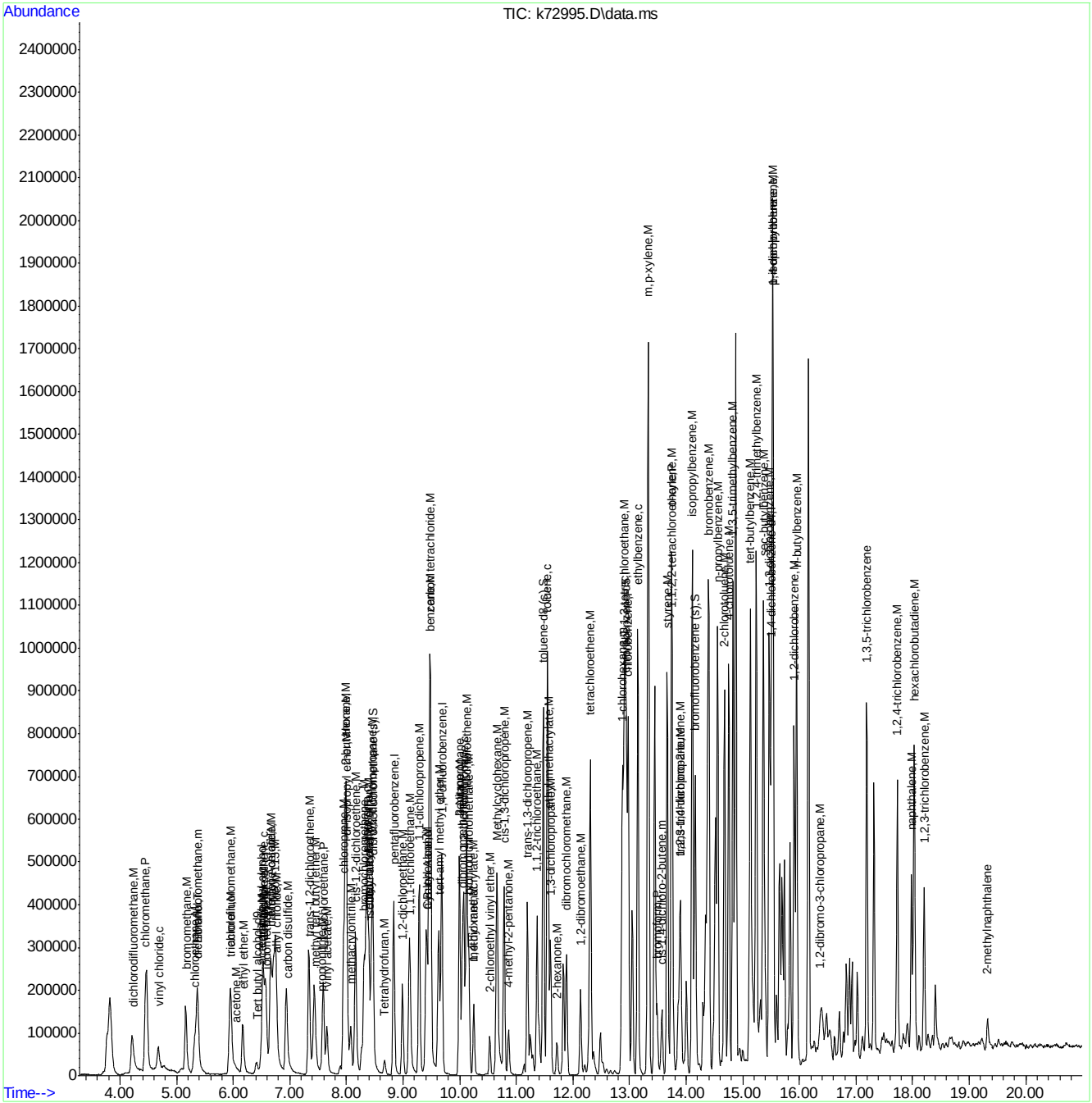
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.753	91	629884	53.58	ug/kg	97
94)	1,3,5-trimethylbenzene	14.827	105	751918	54.69	ug/kg	99
95)	tert-butylbenzene	15.135	91	390477	53.78	ug/kg	90
96)	1,2,4-trimethylbenzene	15.239	105	757878	54.27	ug/kg	99
97)	sec-butylbenzene	15.363	105	954258	54.96	ug/kg	99
98)	1,3-dichlorobenzene	15.467	146	496705	51.03	ug/kg	96
99)	p-isopropyltoluene	15.530	119	805224	58.81	ug/kg	97
100)	1,4-dichlorobenzene	15.529	146	493183	53.04	ug/kg	96
101)	1,2-dichlorobenzene	15.908	146	437485	49.11	ug/kg	98
102)	n-butylbenzene	15.951	91	707468	58.60	ug/kg	97
103)	1,2-dibromo-3-chloropr...	16.370	75	15446	40.22	ug/kg	94
104)	1,3,5-trichlorobenzene	17.190	180	324534	57.87	ug/kg	99
105)	1,2,4-trichlorobenzene	17.730	180	244402	49.98	ug/kg	100
106)	hexachlorobutadiene	18.027	225	171870	60.72	ug/kg	96
107)	naphthalene	17.979	128	353012	45.66	ug/kg	100
108)	1,2,3-trichlorobenzene	18.205	180	160402	46.49	ug/kg	99
109)	2-methylnaphthalene	19.323	142	41991	20.58	ug/kg	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72995.D
Acq On : 9 Aug 2013 1:24 pm
Operator : GaryK
Sample : mc23228-1msd
Misc : ms29626,msk2376,11.134,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 09 14:52:38 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/14/13 09:24

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130449.D
Acq On : 13 Aug 2013 8:21 pm
Operator : jaimem
Sample : mc23427-1ms
Misc : MS29648,MSG5087,10.20,,100,10,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 14 07:34:56 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.088	65	31006	500.00	ppb		0.00
4) pentafluorobenzene	5.073	168	81265	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.197	114	133070	50.00	ppb		0.00
66) chlorobenzene-d5	9.539	82	66464	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.163	152	63554	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.233	113	67042	52.63	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.26%				
60) toluene-d8 (s)	7.879	98	268850	51.16	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.32%				
82) bromofluorobenzene (s)	10.870	95	107793	51.27	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.54%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.163	59	51720	551.72	ppb		96
3) Ethanol	2.439	45	40022	4493.34	ppb		98
5) dichlorodifluoromethane	1.647	85	68022m	53.64	ppb		
6) chloromethane	1.825	50	57809	52.33	ppb		95
7) vinyl chloride	1.916	62	13969	43.67	ppb		84
8) bromomethane	2.277	96	40045	63.73	ppb		99
9) chloroethane	2.339	64	30816	55.86	ppb		86
10) ethyl ether	2.789	59	52603	48.52	ppb		78
11) acetonitrile	3.420	41	92804	43.68	ppb		93
12) trichlorofluoromethane	2.611	101	102996	56.65	ppb		97
13) freon-113	2.935	101	79997	58.10	ppb		91
14) acrolein	2.906	56	38457	327.30	ppb		97
15) 1,1-dichloroethene	3.098	96	73899	54.18	ppb		91
16) acetone	2.963	58	7389	34.59	ppb	#	65
17) Methyl Acetate	3.376	43	52703	34.38	ppb	#	81
18) methylene chloride	3.536	84	75793	46.88	ppb	#	74
19) methyl tert butyl ether	3.664	73	180786	47.34	ppb		90
20) acrylonitrile	3.637	53	23041	44.91	ppb		94
21) allyl chloride	3.420	41	92804	43.39	ppb		75
22) trans-1,2-dichloroethene	3.802	96	71312	51.22	ppb		90
23) iodomethane	3.388	142	123939	53.70	ppb		92
24) carbon disulfide	3.598	76	219644	54.64	ppb		99
25) propionitrile	4.721	54	8210	43.81	ppb		100
26) vinyl acetate	4.211	43	93886	46.25	ppb		94
27) chloroprene	4.313	53	101567	50.37	ppb		73
28) di-isopropyl ether	4.096	45	204424	42.20	ppb		91
29) methacrylonitrile	4.933	41	42259	41.49	ppb		69
30) 2-butanone	4.641	72	7160	40.81	ppb	#	48
31) Ethyl Acetate	4.810	43	45750	91.68	ug/L	#	99
32) Hexane	3.850	41	60509	48.58	ppb	#	84
33) 1,1-dichloroethane	4.219	63	123147	49.78	ppb		97
34) tert-butyl ethyl ether	4.507	59	199579	46.84	ppb		91
35) isobutyl alcohol	4.965	43	14025	217.11	ppb	#	73
36) 2,2-dichloropropane	4.794	77	59159	52.92	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130449.D
Acq On : 13 Aug 2013 8:21 pm
Operator : jaimem
Sample : mc23427-1ms
Misc : MS29648,MSG5087,10.20,,100,10,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 14 07:34:56 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.836	96	76621	49.76	ppb		85
38) bromochloromethane	5.178	128	37014	53.80	ppb	#	80
39) chloroform	5.002	83	121308	50.25	ppb		99
41) Tetrahydrofuran	5.220	42	14816	40.95	ppb		62
42) 1,1,1-trichloroethane	5.435	97	99128	50.70	ppb		92
44) Cyclohexane	5.452	56	119485	47.75	ppb	#	74
45) carbon tetrachloride	5.712	117	93574	56.97	ppb		99
46) 1,1-dichloropropene	5.597	75	100008	53.82	ppb		97
47) benzene	5.896	78	284495	49.21	ppb		98
48) 1,2-dichloroethane	5.876	62	87678	49.74	ppb		98
49) tert-amyl methyl ether	5.720	73	186264	48.94	ppb		85
50) heptane	5.743	43	136325	46.06	ppb		83
51) trichloroethene	6.564	95	76066	49.62	ppb		90
52) 1,2-dichloropropane	6.761	63	71435	48.40	ppb		97
53) dibromomethane	7.078	93	43917	53.29	ppb		93
54) bromodichloromethane	7.019	83	83861	51.91	ppb		99
55) Methylcyclohexane	6.632	83	123841	53.49	ppb	#	83
56) 2-chloroethyl vinyl ether	7.350	63	6592	23.62	ppb		92
57) methyl methacrylate	6.819	69	42909	48.22	ppb	#	67
58) 1,4-dioxane	7.054	88	3481	238.28	ppb		78
59) cis-1,3-dichloropropene	7.612	75	110436	49.05	ppb		97
61) 4-methyl-2-pentanone	7.381	43	55774	38.03	ppb		76
62) toluene	7.967	92	188978	54.15	ppb		99
63) trans-1,3-dichloropropene	8.163	75	96327	53.38	ppb		97
64) 1,1,2-trichloroethane	8.337	83	52656	51.18	ppb		92
65) ethyl methacrylate	8.151	69	81902	48.59	ppb	#	72
67) tetrachloroethene	8.680	166	79289	56.89	ppb		98
68) 1,3-dichloropropane	8.613	76	102996	52.18	ppb		100
69) dibromochloromethane	8.906	129	63624	53.55	ppb		96
70) 1,2-dibromoethane	9.125	107	65262	55.16	ppb		95
71) 2-hexanone	8.344	43	37969	40.89	ppb		71
72) chlorobenzene	9.582	112	210633	56.84	ppb		94
73) 1,1,1,2-tetrachloroethane	9.628	131	69394	57.38	ppb		98
74) ethylbenzene	9.636	91	370584	54.92	ppb		95
75) m,p-xylene	9.720	106	292291	118.27	ppb		92
76) o-xylene	10.199	106	142542	59.97	ppb		93
77) styrene	10.238	104	221556	52.42	ppb		93
78) bromoform	10.612	173	35639	52.20	ppb		100
79) trans-1,4-dichloro-2-b...	10.645	53	20077	50.51	ppb		86
81) isopropylbenzene	10.590	105	351100	57.31	ppb		98
83) bromobenzene	11.081	156	88986	54.56	ppb		89
84) 1,1,2,2-tetrachloroethane	10.786	83	79388	52.93	ppb		96
85) 1,2,3-trichloropropane	10.942	75	58474	48.82	ppb		99
86) n-propylbenzene	11.030	91	419164	57.96	ppb		95
87) 2-chlorotoluene	11.225	91	276288	54.19	ppb		93
88) 4-chlorotoluene	11.278	91	248205	55.95	ppb		92
89) 1,3,5-trimethylbenzene	11.203	105	304184	54.46	ppb		98
90) tert-butylbenzene	11.599	91	193142	54.82	ppb		88
91) 1,2,4-trimethylbenzene	11.634	105	348983	61.74	ppb		97
92) sec-butylbenzene	11.826	105	358503	56.99	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130449.D
Acq On : 13 Aug 2013 8:21 pm
Operator : jaimem
Sample : mc23427-1ms
Misc : MS29648,MSG5087,10.20,,100,10,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 14 07:34:56 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

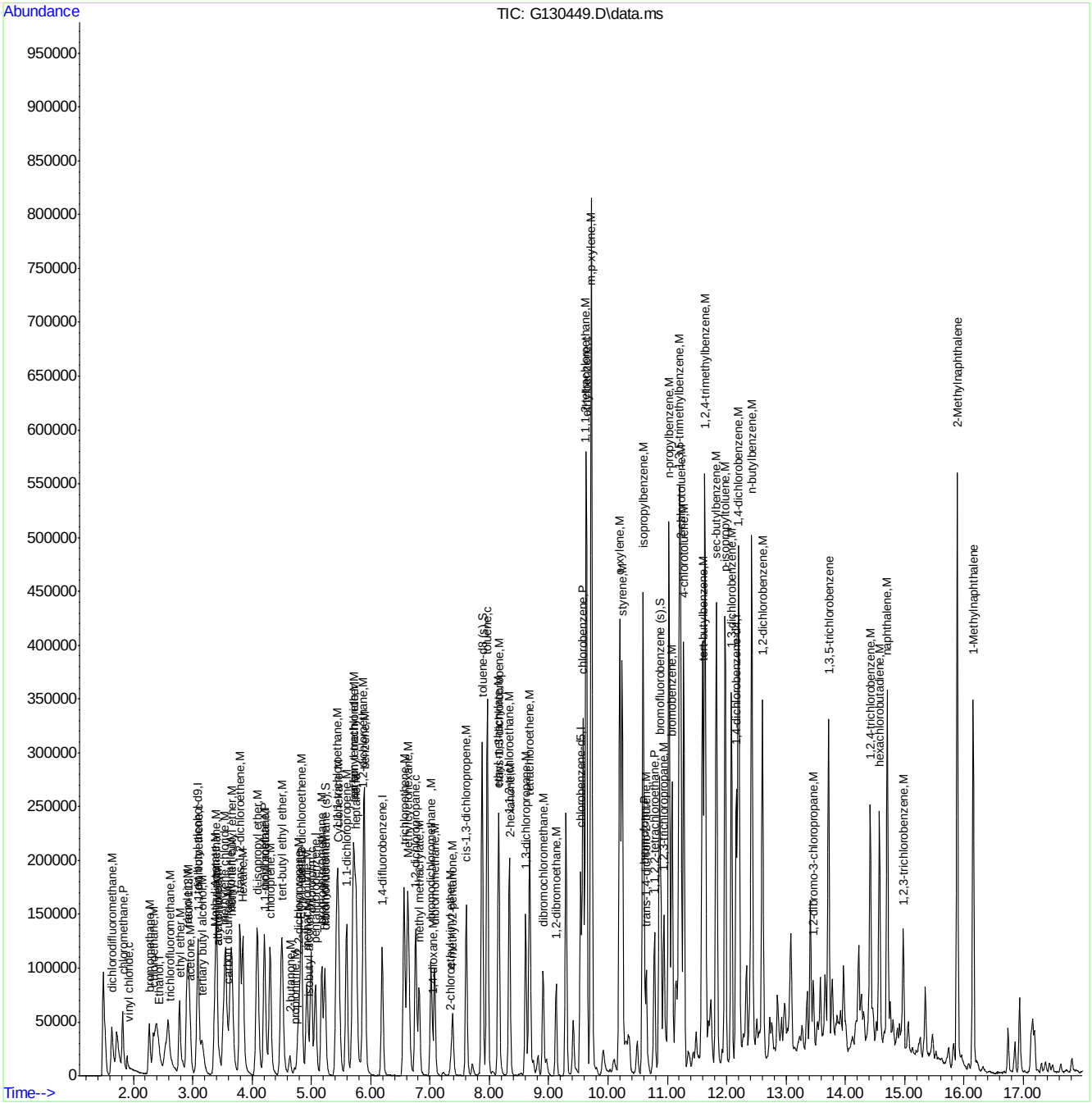
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.081	146	164314	56.46	ppb		95
94)	p-isopropyltoluene	11.975	119	295489	55.82	ppb		98
95)	1,4-dichlorobenzene	12.198	146	166825	52.08	ppb		98
96)	1,2-dichlorobenzene	12.603	146	154970	55.40	ppb		97
97)	n-butylbenzene	12.423	91	289486	55.45	ppb		98
98)	1,2-dibromo-3-chloropr...	13.461	75	9285	40.90	ppb	#	76
99)	1,3,5-trichlorobenzene	13.718	180	105587	51.60	ug/L		100
100)	1,2,4-trichlorobenzene	14.421	180	77203	44.09	ppb		98
101)	hexachlorobutadiene	14.574	225	49607	55.61	ppb		98
102)	naphthalene	14.709	128	276000	69.55	ppb		100
103)	2-Methylnaphthalene	15.888	142	289403	217.11	ug/L		97
104)	1-Methylnaphthalene	16.157	142	187173	197.77	ug/L		97
105)	1,2,3-trichlorobenzene	14.984	180	45661	30.94	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130449.D
Acq On : 13 Aug 2013 8:21 pm
Operator : jaimem
Sample : mc23427-1ms
Misc : MS29648,MSG5087,10.20,,100,10,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 14 07:34:56 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/14/13 09:24

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130450.D
Acq On : 13 Aug 2013 8:49 pm
Operator : jaimem
Sample : mc23427-1msd
Misc : MS29648,MSG5087,10.20,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 14 07:35:37 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.087	65	30959	500.00	ppb		0.00
4) pentafluorobenzene	5.072	168	76802	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.196	114	125892	50.00	ppb		0.00
66) chlorobenzene-d5	9.539	82	61668	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.163	152	60384	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.232	113	66910	55.58	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.16%				
60) toluene-d8 (s)	7.879	98	266946	53.70	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.40%				
82) bromofluorobenzene (s)	10.874	95	110393	55.26	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.52%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.159	59	58093	620.64	ppb		95
3) Ethanol	2.445	45	42782	4810.50	ppb		100
5) dichlorodifluoromethane	1.647	85	68144m	56.86	ppb		
6) chloromethane	1.824	50	56896	54.49	ppb		95
7) vinyl chloride	1.912	62	13020	43.07	ppb		88
8) bromomethane	2.277	96	39030	65.72	ppb		98
9) chloroethane	2.339	64	30162	57.85	ppb		83
10) ethyl ether	2.787	59	52244	50.99	ppb		77
11) acetonitrile	3.421	41	93332	46.48	ppb		94
12) trichlorofluoromethane	2.613	101	103407	60.18	ppb		98
13) freon-113	2.930	101	74555	57.30	ppb		92
14) acrolein	2.905	56	38995	351.17	ppb		98
15) 1,1-dichloroethene	3.098	96	72690	56.39	ppb		89
16) acetone	2.962	58	6983	34.59	ppb	#	79
17) Methyl Acetate	3.376	43	53923	37.22	ppb	#	79
18) methylene chloride	3.537	84	75438	49.37	ppb	#	74
19) methyl tert butyl ether	3.664	73	182110	50.46	ppb		92
20) acrylonitrile	3.636	53	23359	48.18	ppb		90
21) allyl chloride	3.421	41	93532	46.28	ppb		73
22) trans-1,2-dichloroethene	3.801	96	70666	53.70	ppb		93
23) iodomethane	3.388	142	123658	56.69	ppb		96
24) carbon disulfide	3.597	76	218725	57.57	ppb		100
25) propionitrile	4.720	54	8424	47.56	ppb		100
26) vinyl acetate	4.211	43	96710	49.45	ppb		98
27) chloroprene	4.309	53	99253	52.08	ppb		77
28) di-isopropyl ether	4.095	45	204918	44.76	ppb		91
29) methacrylonitrile	4.934	41	43709	45.40	ppb		74
30) 2-butanone	4.641	72	7204	43.45	ppb	#	58
31) Ethyl Acetate	4.809	43	46814	99.27	ug/L	#	99
32) Hexane	3.850	41	61923	52.60	ppb	#	92
33) 1,1-dichloroethane	4.218	63	122384	52.35	ppb		98
34) tert-butyl ethyl ether	4.507	59	198152	49.20	ppb		92
35) isobutyl alcohol	4.965	43	15356	253.67	ppb		76
36) 2,2-dichloropropane	4.794	77	59765	56.57	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130450.D
Acq On : 13 Aug 2013 8:49 pm
Operator : jaimem
Sample : mc23427-1msd
Misc : MS29648,MSG5087,10.20,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 14 07:35:37 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.836	96	76161	52.34	ppb		86
38)	bromochloromethane	5.177	128	37169	57.17	ppb	#	80
39)	chloroform	5.001	83	120770	52.93	ppb		100
41)	Tetrahydrofuran	5.219	42	15527	45.41	ppb		65
42)	1,1,1-trichloroethane	5.435	97	98425	53.27	ppb		92
44)	Cyclohexane	5.451	56	118173	49.92	ppb	#	79
45)	carbon tetrachloride	5.711	117	92958	59.83	ppb		98
46)	1,1-dichloropropene	5.596	75	98583	56.08	ppb		96
47)	benzene	5.896	78	284205	51.97	ppb		100
48)	1,2-dichloroethane	5.876	62	87803	52.65	ppb		97
49)	tert-amyl methyl ether	5.724	73	193321	53.69	ppb		87
50)	heptane	5.743	43	136630	48.80	ppb		79
51)	trichloroethene	6.563	95	76409	52.69	ppb		89
52)	1,2-dichloropropane	6.760	63	71889	51.48	ppb		99
53)	dibromomethane	7.078	93	43813	56.19	ppb		91
54)	bromodichloromethane	7.019	83	84562	55.33	ppb		99
55)	Methylcyclohexane	6.632	83	124463	56.82	ppb	#	80
56)	2-chloroethyl vinyl ether	7.350	63	7166	25.86	ppb		95
57)	methyl methacrylate	6.818	69	43107	51.20	ppb	#	67
58)	1,4-dioxane	7.055	88	3749	271.26	ppb	#	66
59)	cis-1,3-dichloropropene	7.612	75	109538	51.43	ppb		96
61)	4-methyl-2-pentanone	7.381	43	57558	41.48	ppb		77
62)	toluene	7.966	92	188458	57.08	ppb		99
63)	trans-1,3-dichloropropene	8.163	75	98199	57.52	ppb		100
64)	1,1,2-trichloroethane	8.337	83	52410	53.85	ppb		92
65)	ethyl methacrylate	8.151	69	83268	52.22	ppb	#	71
67)	tetrachloroethene	8.679	166	78400	60.63	ppb		99
68)	1,3-dichloropropane	8.613	76	103577	56.55	ppb		98
69)	dibromochloromethane	8.906	129	64094	57.80	ppb		99
70)	1,2-dibromoethane	9.125	107	65749	59.89	ppb		94
71)	2-hexanone	8.344	43	37960	44.06	ppb		71
72)	chlorobenzene	9.581	112	211143	61.41	ppb		95
73)	1,1,1,2-tetrachloroethane	9.628	131	69292	61.75	ppb		99
74)	ethylbenzene	9.636	91	368222	58.82	ppb		95
75)	m,p-xylene	9.720	106	289012	126.04	ppb		94
76)	o-xylene	10.199	106	143266	64.97	ppb		90
77)	styrene	10.238	104	223685	57.04	ppb		93
78)	bromoform	10.612	173	36063	56.47	ppb		98
79)	trans-1,4-dichloro-2-b...	10.645	53	20340	55.15	ppb		86
81)	isopropylbenzene	10.591	105	349176	59.99	ppb		100
83)	bromobenzene	11.081	156	89181	57.55	ppb		88
84)	1,1,2,2-tetrachloroethane	10.786	83	80446	56.45	ppb		98
85)	1,2,3-trichloropropane	10.943	75	59428	52.22	ppb		99
86)	n-propylbenzene	11.030	91	416981	60.69	ppb		94
87)	2-chlorotoluene	11.224	91	272159	56.19	ppb		93
88)	4-chlorotoluene	11.277	91	252711	59.96	ppb		91
89)	1,3,5-trimethylbenzene	11.203	105	303016	57.10	ppb		98
90)	tert-butylbenzene	11.599	91	193602	57.84	ppb		86
91)	1,2,4-trimethylbenzene	11.634	105	347727	64.75	ppb		97
92)	sec-butylbenzene	11.826	105	355877	59.54	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130450.D
Acq On : 13 Aug 2013 8:49 pm
Operator : jaimem
Sample : mc23427-1msd
Misc : MS29648,MSG5087,10.20,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 14 07:35:37 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

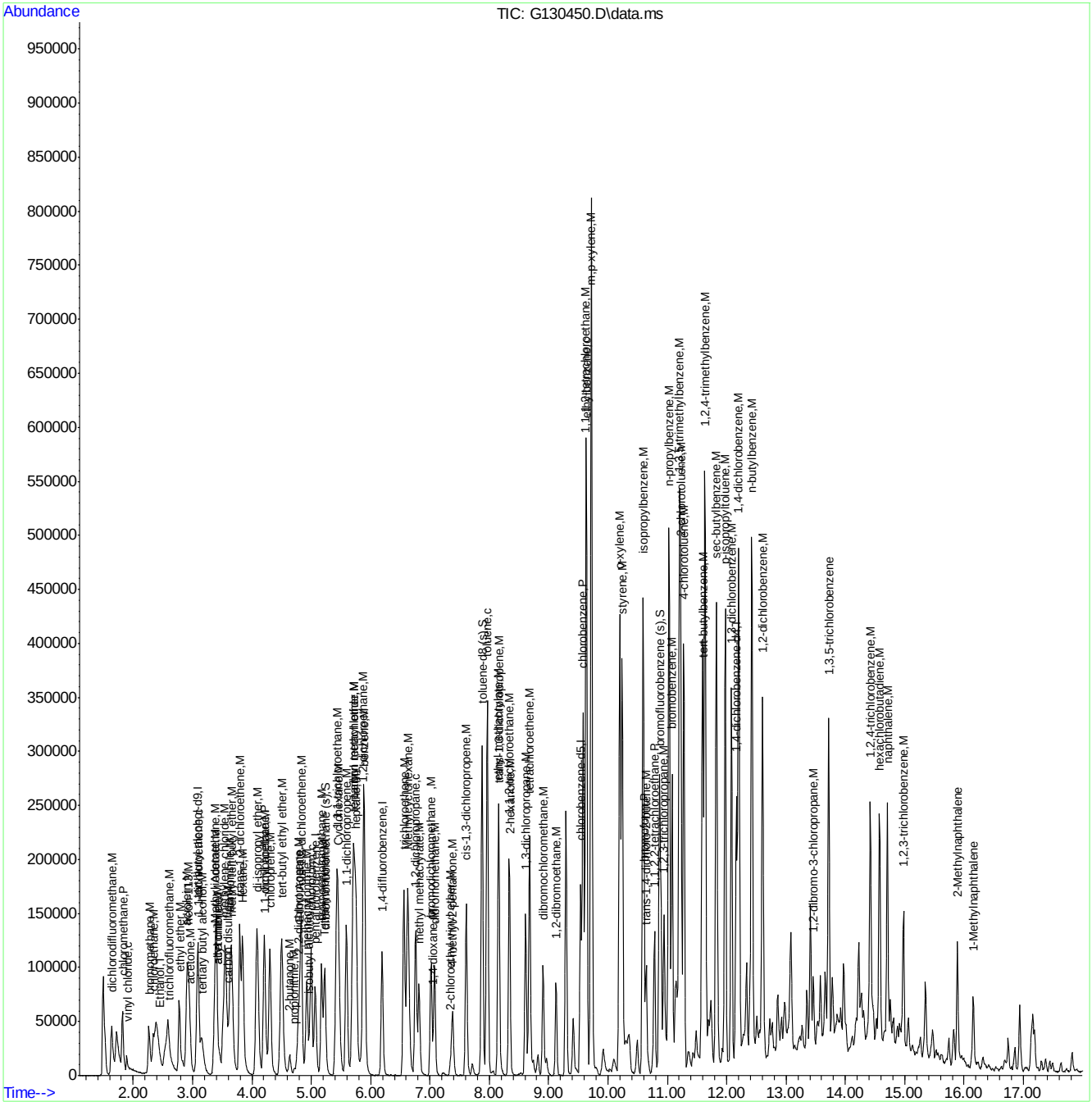
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	12.081	146	162935	58.93	ppb	96
94)	p-isopropyltoluene	11.975	119	295823	58.81	ppb	96
95)	1,4-dichlorobenzene	12.198	146	167023	54.88	ppb	98
96)	1,2-dichlorobenzene	12.603	146	156636	58.93	ppb	96
97)	n-butylbenzene	12.423	91	288592	58.18	ppb	100
98)	1,2-dibromo-3-chloropr...	13.461	75	9541	44.23	ppb	79
99)	1,3,5-trichlorobenzene	13.718	180	105708	54.37	ug/L	100
100)	1,2,4-trichlorobenzene	14.421	180	79095	47.54	ppb	97
101)	hexachlorobutadiene	14.574	225	50954	60.12	ppb	98
102)	naphthalene	14.710	128	176188	46.73	ppb	100
103)	2-Methylnaphthalene	15.888	142	56605	50.93	ug/L	99
104)	1-Methylnaphthalene	16.156	142	32359m	39.91	ug/L	
105)	1,2,3-trichlorobenzene	14.980	180	49654	35.41	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130450.D
Acq On : 13 Aug 2013 8:49 pm
Operator : jaimem
Sample : mc23427-1msd
Misc : MS29648,MSG5087,10.20,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 14 07:35:37 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71025.D
Acq On : 14 Aug 2013 3:47 pm
Operator : krystend
Sample : mc23272-6ms
Misc : ms29658,msp2326,4.891,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 14 16:08:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	432965	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	477182	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	582757	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	225784	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.112	152	99698	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	278233	57.93	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 115.86%#			
60) toluene-d8 (s)	11.090	98	578745	35.85	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 71.70%#			
82) bromofluorobenzene (s)	13.771	95	134945	53.90	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 107.80%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	476801	493.34	ug/kg	98
3) Ethanol	4.987	45	392841	2961.83	ug/kg	96
5) dichlorodifluoromethane	4.152	85	245174	62.65	ug/kg	99
6) chloromethane	4.111	50	337610	82.55	ug/kg	99
7) vinyl chloride	4.334	62	306406	56.35	ug/kg	94
8) bromomethane	4.798	96	113764	59.45	ug/kg	100
9) chloroethane	4.960	64	149298	67.68	ug/kg	99
10) ethyl ether	5.809	59	187817	68.20	ug/kg	96
11) acetonitrile	5.472	41	148243	77.42	ug/kg	94
12) trichlorofluoromethane	5.566	101	612571	71.42	ug/kg	99
13) freon-113	6.314	101	210522	52.76	ug/kg	99
14) acrolein	5.573	56	88076	348.43	ug/kg	100
15) 1,1-dichloroethene	6.132	96	190763	61.75	ug/kg	99
16) acetone	5.701	58	100801	212.36	ug/kg#	73
17) Methyl Acetate	6.321	43	231880	50.88	ug/kg	97
18) methylene chloride	6.280	84	302127	81.29	ug/kg	94
19) methyl tert butyl ether	7.055	73	537517	69.45	ug/kg	98
20) acrylonitrile	6.200	53	81713	66.62	ug/kg	98
21) allyl chloride	6.368	41	328349	64.28	ug/kg	93
22) trans-1,2-dichloroethene	6.954	96	163520	38.49	ug/kg	89
23) iodomethane	6.186	142	180491	61.16	ug/kg	84
24) carbon disulfide	6.536	76	449864	43.45	ug/kg	100
25) propionitrile	7.230	54	37628	61.05	ug/kg	100
26) vinyl acetate	7.318	43	179246	28.58	ug/kg	98
27) chloroprene	7.560	53	385477	44.35	ug/kg	86
28) di-isopropyl ether	7.607	45	811264	48.73	ug/kg	96
29) methacrylonitrile	7.729	41	154920	54.83	ug/kg	94
30) 2-butanone	7.621	72	43324	67.67	ug/kg#	79
31) Hexane	7.580	41	338017	35.53	ug/kg#	74
32) 1,1-dichloroethane	7.203	63	496180	57.97	ug/kg	99
33) tert-butyl ethyl ether	7.998	59	347315	55.38	ug/kg	94
34) isobutyl alcohol	7.614	43	769771	247.58	ug/kg	100
35) 2,2-dichloropropane	8.045	77	263828	46.30	ug/kg	96
36) cis-1,2-dichloroethene	7.762	96	307610	64.03	ug/kg	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71025.D
Acq On : 14 Aug 2013 3:47 pm
Operator : krystend
Sample : mc23272-6ms
Misc : ms29658,msp2326,4.891,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 14 16:08:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.295	43	27098	79.19	ug/kg	89
38) bromochloromethane	7.931	128	78661	45.66	ug/kg	93
39) chloroform	7.964	83	520012	56.06	ug/kg	99
41) Tetrahydrofuran	8.295	42	89825	62.10	ug/kg	90
42) 1,1,1-trichloroethane	8.705	97	480707	57.22	ug/kg	99
44) Cyclohexane	8.982	56	193264	23.55	ug/kg	97
45) carbon tetrachloride	9.063	117	364266	60.18	ug/kg	97
46) 1,1-dichloropropene	8.881	75	242071	36.75	ug/kg	100
47) benzene	9.103	78	673044	40.23	ug/kg	98
48) 1,2-dichloroethane	8.611	62	441608	60.02	ug/kg	94
49) tert-amyl methyl ether	9.231	73	284466	68.11	ug/kg	94
50) heptane	9.588	43	101540	13.14	ug/kg	98
51) trichloroethene	9.723	95	318227	65.04	ug/kg	96
52) 1,2-dichloropropane	9.689	63	179020	39.12	ug/kg	99
53) dibromomethane	9.662	93	105082	44.90	ug/kg	96
54) bromodichloromethane	9.770	83	302685	49.72	ug/kg	98
55) Methylcyclohexane	10.228	83	113967	14.90	ug/kg	88
56) 2-chloroethyl vinyl ether	10.221	63	3630	35.44	ug/kg#	69
57) methyl methacrylate	9.884	69	99659	40.28	ug/kg#	76
58) 1,4-dioxane	9.878	88	17439	454.88	ug/kg	82
59) cis-1,3-dichloropropene	10.396	75	188551	27.67	ug/kg	98
61) 4-methyl-2-pentanone	10.504	43	270388	65.42	ug/kg	93
62) toluene	11.164	92	286069	27.30	ug/kg	100
63) trans-1,3-dichloropropene	10.814	75	143395	25.04	ug/kg	92
64) 1,1,2-trichloroethane	10.982	83	98511	31.80	ug/kg	99
65) ethyl methacrylate	11.205	69	148685	30.54	ug/kg#	51
67) tetrachloroethene	11.899	166	136143	45.82	ug/kg	99
68) 1,3-dichloropropane	11.218	76	198317	48.01	ug/kg	99
69) dibromochloromethane	11.501	129	127450	48.50	ug/kg	96
70) 1,2-dibromoethane	11.750	107	97325	40.44	ug/kg	94
71) 2-hexanone	11.366	43	134217	63.86	ug/kg	90
72) chlorobenzene	12.579	112	171339	22.75	ug/kg	91
73) 1,1,1,2-tetrachloroethane	12.498	131	110477	43.69	ug/kg	95
74) ethylbenzene	12.761	91	339781	24.11	ug/kg	99
75) m,p-xylene	12.949	106	218403	42.03	ug/kg	98
76) o-xylene	13.354	106	106595	20.67	ug/kg	85
77) styrene	13.286	104	94259	12.24	ug/kg	89
78) bromoform	13.098	173	57032	38.73	ug/kg	97
79) trans-1,4-dichloro-2-b...	13.509	53	18870	35.49	ug/kg#	21
81) isopropylbenzene	13.717	105	225418	27.11	ug/kg	98
83) bromobenzene	14.000	156	52384	29.77	ug/kg	92
84) 1,1,2,2-tetrachloroethane	13.360	83	95996	55.78	ug/kg	99
85) 1,2,3-trichloropropane	13.509	75	116630	65.03	ug/kg	98
86) n-propylbenzene	14.162	91	206361	22.00	ug/kg	99
87) 2-chlorotoluene	14.276	91	148091	24.71	ug/kg	91
88) 4-chlorotoluene	14.357	91	134147	22.35	ug/kg	92
89) 1,3,5-trimethylbenzene	14.445	105	146459	21.12	ug/kg	95
90) tert-butylbenzene	14.741	91	100068	21.83	ug/kg	83
91) 1,2,4-trimethylbenzene	14.849	105	145052	21.69	ug/kg	91
92) sec-butylbenzene	14.970	105	153758	17.67	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71025.D
Acq On : 14 Aug 2013 3:47 pm
Operator : krystend
Sample : mc23272-6ms
Misc : ms29658,msp2326,4.891,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 14 16:08:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

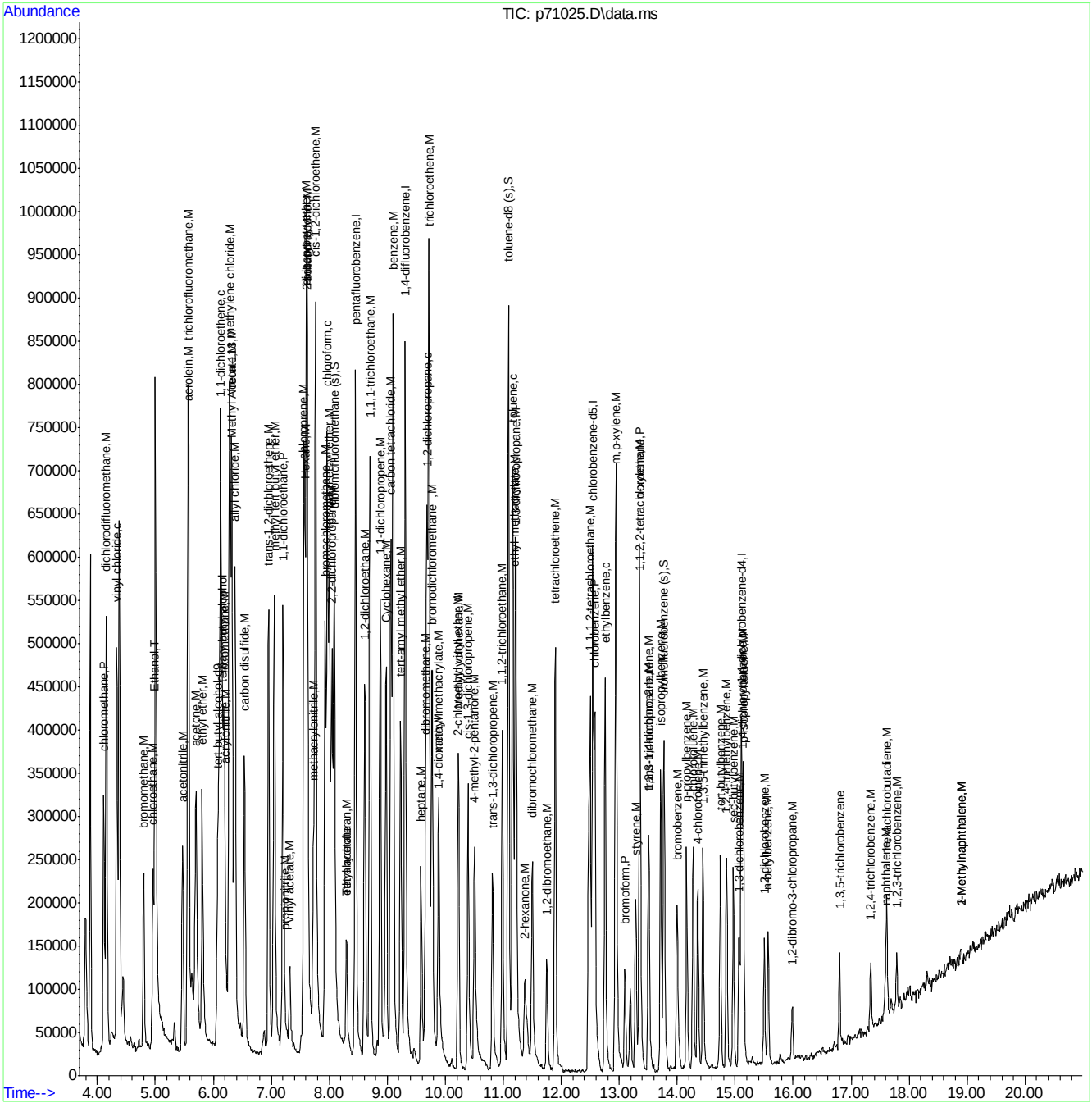
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.071	146	58005	17.57	ug/kg	95
94)	p-isopropyltoluene	15.145	119	110109	17.84	ug/kg	93
95)	1,4-dichlorobenzene	15.132	146	57728	18.16	ug/kg	95
96)	1,2-dichlorobenzene	15.502	146	55476	17.90	ug/kg	97
97)	n-butylbenzene	15.563	91	89779	14.22	ug/kg	94
98)	1,2-dibromo-3-chloropr...	15.981	75	17623	49.12	ug/kg	77
99)	1,3,5-trichlorobenzene	16.803	180	32898	14.23	ug/kg	93
100)	1,2,4-trichlorobenzene	17.335	180	23026	12.19	ug/kg	79
101)	hexachlorobutadiene	17.611	225	25379	15.14	ug/kg	86
102)	naphthalene	17.597	128	26288	13.56	ug/kg	100
103)	1,2,3-trichlorobenzene	17.786	180	18980	12.50	ug/kg	73
104)	2-Methylnaphthalene	18.904	142	3451	3.03	ug/kg	92
105)	1-Methylnaphthalene	18.904	142	3451	3.34	ug/kg	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71025.D
Acq On : 14 Aug 2013 3:47 pm
Operator : krystend
Sample : mc23272-6ms
Misc : ms29658,msp2326,4.891,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 14 16:08:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/14/13 16:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71026.D
Acq On : 14 Aug 2013 4:14 pm
Operator : krystend
Sample : mc23272-6msd
Misc : ms29658,msp2326,5.133,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 14 16:36:27 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	429683	500.00	ug/kg	0.00
4) pentafluorobenzene	8.456	168	487534	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.311	114	610716	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	235013	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	101134	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.085	113	282301	57.53	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 115.06%#			
60) toluene-d8 (s)	11.090	98	593504	35.08	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 70.16%#			
82) bromofluorobenzene (s)	13.771	95	135662	53.42	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 106.84%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.166	59	618201	644.53	ug/kg	98
3) Ethanol	4.993	45	527657	4140.65	ug/kg	98
5) dichlorodifluoromethane	4.151	85	302929	75.77	ug/kg	98
6) chloromethane	4.111	50	430186	102.95	ug/kg	98
7) vinyl chloride	4.333	62	392794	70.71	ug/kg	97
8) bromomethane	4.798	96	167698	82.42	ug/kg	95
9) chloroethane	4.960	64	189873	84.24	ug/kg	96
10) ethyl ether	5.809	59	233409	82.96	ug/kg	97
11) acetonitrile	5.472	41	185458	94.80	ug/kg	94
12) trichlorofluoromethane	5.566	101	741476	84.61	ug/kg	100
13) freon-113	6.314	101	253512	62.19	ug/kg	98
14) acrolein	5.573	56	104335	403.50	ug/kg	100
15) 1,1-dichloroethene	6.132	96	241653	76.56	ug/kg	90
16) acetone	5.701	58	101852	209.93	ug/kg	91
17) Methyl Acetate	6.321	43	297129	63.81	ug/kg	96
18) methylene chloride	6.280	84	359874	94.54	ug/kg	96
19) methyl tert butyl ether	7.055	73	682236	86.27	ug/kg	99
20) acrylonitrile	6.199	53	107795	86.02	ug/kg	93
21) allyl chloride	6.368	41	421726	80.81	ug/kg	89
22) trans-1,2-dichloroethene	6.954	96	211638	48.76	ug/kg	84
23) iodomethane	6.186	142	260698	84.50	ug/kg	89
24) carbon disulfide	6.536	76	566687	51.35	ug/kg	100
25) propionitrile	7.230	54	50680	79.63	ug/kg	100
26) vinyl acetate	7.317	43	231428	36.11	ug/kg	99
27) chloroprene	7.560	53	453490	51.07	ug/kg	85
28) di-isopropyl ether	7.607	45	1068493	62.82	ug/kg	96
29) methacrylonitrile	7.728	41	213042	73.80	ug/kg	97
30) 2-butanone	7.621	72	46911	71.67	ug/kg#	80
31) Hexane	7.607	41	421478	43.36	ug/kg#	16
32) 1,1-dichloroethane	7.203	63	635151	72.64	ug/kg	98
33) tert-butyl ethyl ether	7.998	59	441185	66.40	ug/kg	94
34) isobutyl alcohol	7.614	43	1004230	316.13	ug/kg	98
35) 2,2-dichloropropane	8.045	77	323071	53.34	ug/kg	94
36) cis-1,2-dichloroethene	7.762	96	355686	72.47	ug/kg	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71026.D
Acq On : 14 Aug 2013 4:14 pm
Operator : krystend
Sample : mc23272-6msd
Misc : ms29658,msp2326,5.133,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 14 16:36:27 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.294	43	32642	93.76	ug/kg	87
38) bromochloromethane	7.931	128	104809	59.54	ug/kg	97
39) chloroform	7.964	83	664757	70.15	ug/kg	99
41) Tetrahydrofuran	8.301	42	119764	81.05	ug/kg	96
42) 1,1,1-trichloroethane	8.705	97	592653	69.05	ug/kg	99
44) Cyclohexane	8.981	56	227410	26.44	ug/kg	99
45) carbon tetrachloride	9.062	117	426134	67.17	ug/kg	93
46) 1,1-dichloropropene	8.880	75	294682	42.69	ug/kg	97
47) benzene	9.103	78	849581	48.72	ug/kg	98
48) 1,2-dichloroethane	8.611	62	582523	75.55	ug/kg	95
49) tert-amyl methyl ether	9.231	73	339317	76.28	ug/kg	93
50) heptane	9.588	43	129421	15.98	ug/kg	93
51) trichloroethene	9.722	95	368579	72.00	ug/kg	97
52) 1,2-dichloropropane	9.689	63	230018	47.96	ug/kg	96
53) dibromomethane	9.662	93	141200	57.58	ug/kg	96
54) bromodichloromethane	9.770	83	376029	58.94	ug/kg	98
55) Methylcyclohexane	10.228	83	140900	17.58	ug/kg	95
56) 2-chloroethyl vinyl ether	10.221	63	3290	29.52	ug/kg#	92
57) methyl methacrylate	9.884	69	140597	54.22	ug/kg	87
58) 1,4-dioxane	9.877	88	24102	594.92	ug/kg	79
59) cis-1,3-dichloropropene	10.396	75	245493	34.38	ug/kg	99
61) 4-methyl-2-pentanone	10.504	43	368871	85.16	ug/kg	95
62) toluene	11.164	92	336094	30.61	ug/kg	99
63) trans-1,3-dichloropropene	10.814	75	187191	30.31	ug/kg	94
64) 1,1,2-trichloroethane	10.982	83	138553	42.67	ug/kg	96
65) ethyl methacrylate	11.204	69	208756m	40.39	ug/kg	
67) tetrachloroethene	11.898	166	149014	48.18	ug/kg	94
68) 1,3-dichloropropane	11.218	76	265569	61.76	ug/kg	99
69) dibromochloromethane	11.501	129	169440	60.47	ug/kg	98
70) 1,2-dibromoethane	11.750	107	132062	52.72	ug/kg	96
71) 2-hexanone	11.373	43	220195	100.65	ug/kg	88
72) chlorobenzene	12.579	112	214752	27.40	ug/kg	96
73) 1,1,1,2-tetrachloroethane	12.498	131	134758	51.20	ug/kg	95
74) ethylbenzene	12.754	91	403895	27.54	ug/kg	97
75) m,p-xylene	12.942	106	260835	48.22	ug/kg	90
76) o-xylene	13.353	106	126636	23.59	ug/kg	82
77) styrene	13.286	104	116505	14.53	ug/kg	97
78) bromoform	13.097	173	77873	47.80	ug/kg	94
79) trans-1,4-dichloro-2-b...	13.515	53	26406	43.53	ug/kg#	70
81) isopropylbenzene	13.717	105	265843	31.52	ug/kg	99
83) bromobenzene	14.000	156	62881	35.22	ug/kg	93
84) 1,1,2,2-tetrachloroethane	13.360	83	123293	70.63	ug/kg	89
85) 1,2,3-trichloropropane	13.508	75	160953	88.47	ug/kg	99
86) n-propylbenzene	14.162	91	248603	26.12	ug/kg	97
87) 2-chlorotoluene	14.276	91	173964	28.62	ug/kg	92
88) 4-chlorotoluene	14.357	91	163227	26.81	ug/kg	100
89) 1,3,5-trimethylbenzene	14.445	105	180510	25.67	ug/kg	95
90) tert-butylbenzene	14.748	91	118582	25.50	ug/kg	92
91) 1,2,4-trimethylbenzene	14.849	105	173614	25.59	ug/kg	99
92) sec-butylbenzene	14.970	105	178420	20.21	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71026.D
Acq On : 14 Aug 2013 4:14 pm
Operator : krystend
Sample : mc23272-6msd
Misc : ms29658,msp2326,5.133,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 14 16:36:27 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

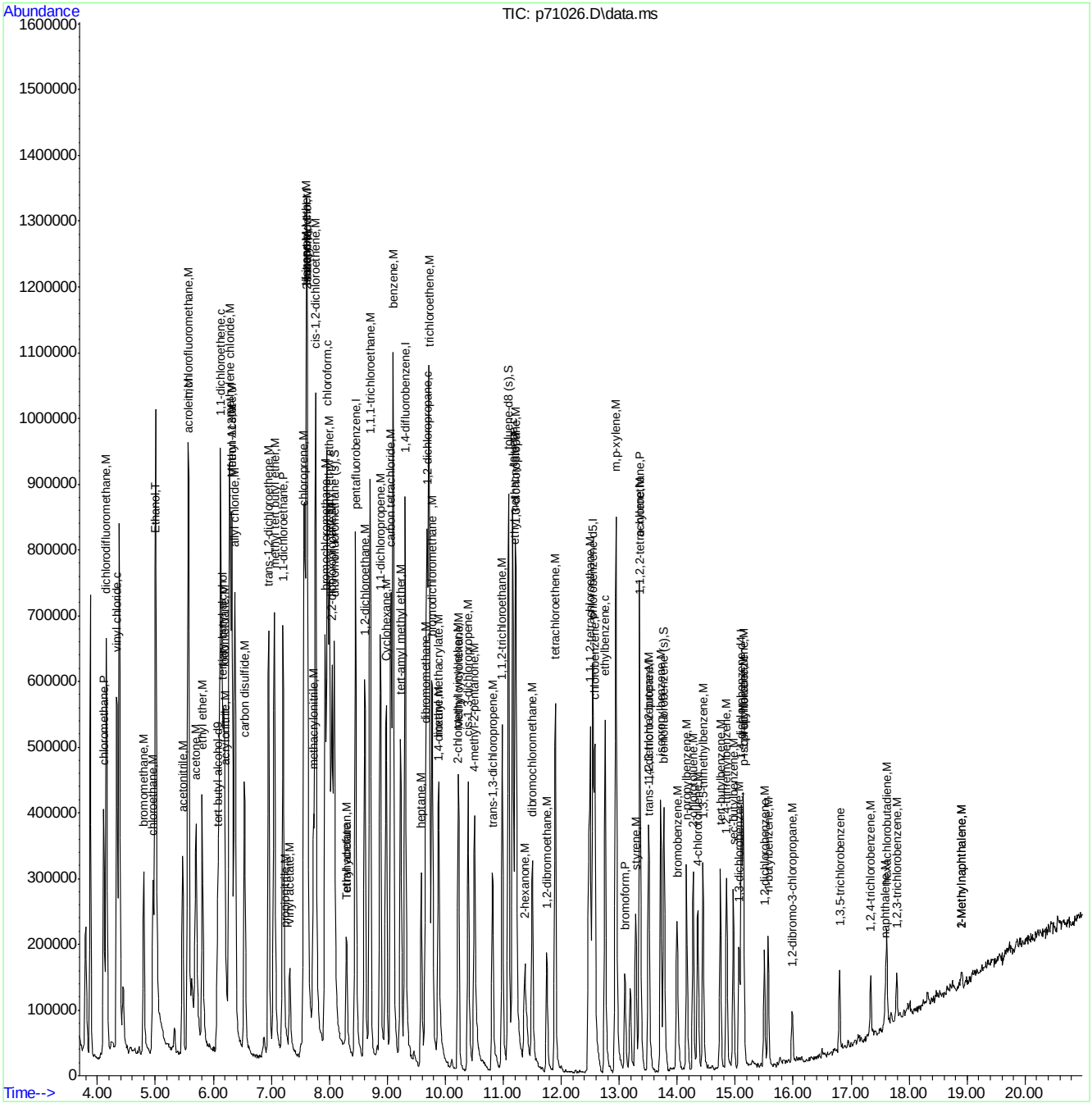
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.064	146	70901	21.17	ug/kg	99
94) p-isopropyltoluene	15.145	119	136078	21.73	ug/kg	93
95) 1,4-dichlorobenzene	15.138	146	67490	20.92	ug/kg	94
96) 1,2-dichlorobenzene	15.502	146	63818	20.30	ug/kg	97
97) n-butylbenzene	15.570	91	114843	17.93	ug/kg	95
98) 1,2-dibromo-3-chloropr...	15.980	75	24383	64.68	ug/kg	93
99) 1,3,5-trichlorobenzene	16.802	180	37686	16.07	ug/kg	92
100) 1,2,4-trichlorobenzene	17.334	180	24521	12.68	ug/kg	99
101) hexachlorobutadiene	17.617	225	30799	18.11	ug/kg	88
102) naphthalene	17.590	128	33991	15.13	ug/kg	100
103) 1,2,3-trichlorobenzene	17.786	180	21739	13.64	ug/kg	94
104) 2-Methylnaphthalene	18.897	142	5193	4.50	ug/kg	85
105) 1-Methylnaphthalene	18.897	142	5193	4.96	ug/kg	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71026.D
Acq On : 14 Aug 2013 4:14 pm
Operator : krystend
Sample : mc23272-6msd
Misc : ms29658,msp2326,5.133,,,5,1
ALS Vial : 17 Sample Multiplier: 1

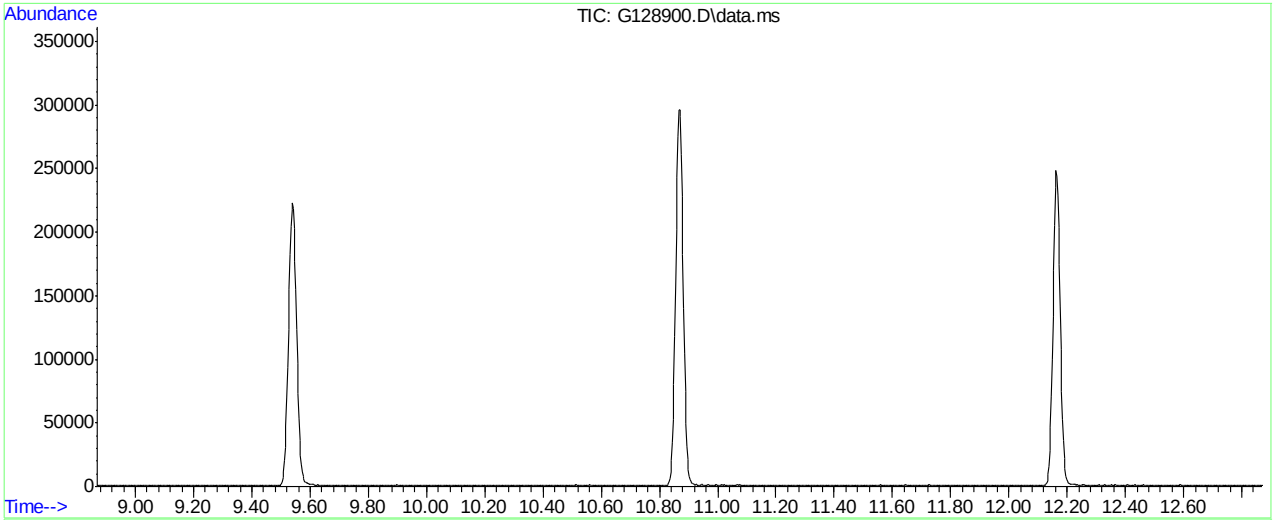
Quant Time: Aug 14 16:36:27 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



SW-846 Method 8260

Data File : C:\msdchem\1\DATA\G130628\G128900.D Vial: 27
Acq On : 29 Jun 2013 12:19 am Operator: jaimem
Sample : bfb Inst : MSG
Misc : MS29239,MSG5050,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130628s.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Average of 10.866 to 10.872 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.4	10829	PASS
75	95	30	60	44.9	29736	PASS
95	95	100	100	100.0	66213	PASS
96	95	5	9	6.7	4411	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	75.4	49936	PASS
175	174	5	9	6.9	3431	PASS
176	174	95	101	97.1	48498	PASS
177	176	5	9	6.2	3017	PASS

G128900.D g130628s.m Sat Jun 29 09:04:41 2013

Average of 10.866 to 10.872 min.: G128900.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	434	49.05	2274	63.05	1948	76.05	2608
37.10	2546	50.05	10829	64.05	219	77.00	478
38.10	2327	51.10	3322	66.95	109	78.00	284
39.10	947	52.10	165	67.15	62	78.95	1381
41.10	117	55.05	142	68.05	5853	80.00	433
42.05	33	56.05	813	69.05	5995	81.00	1280
43.20	81	57.05	1437	70.05	424	81.95	312
44.05	176	58.05	74	72.05	326	87.05	2974
45.05	547	60.05	486	73.05	2466	88.05	2820
47.15	950	61.05	2512	74.05	9536	91.00	263
48.00	372	62.05	2675	75.05	29736	92.05	1690

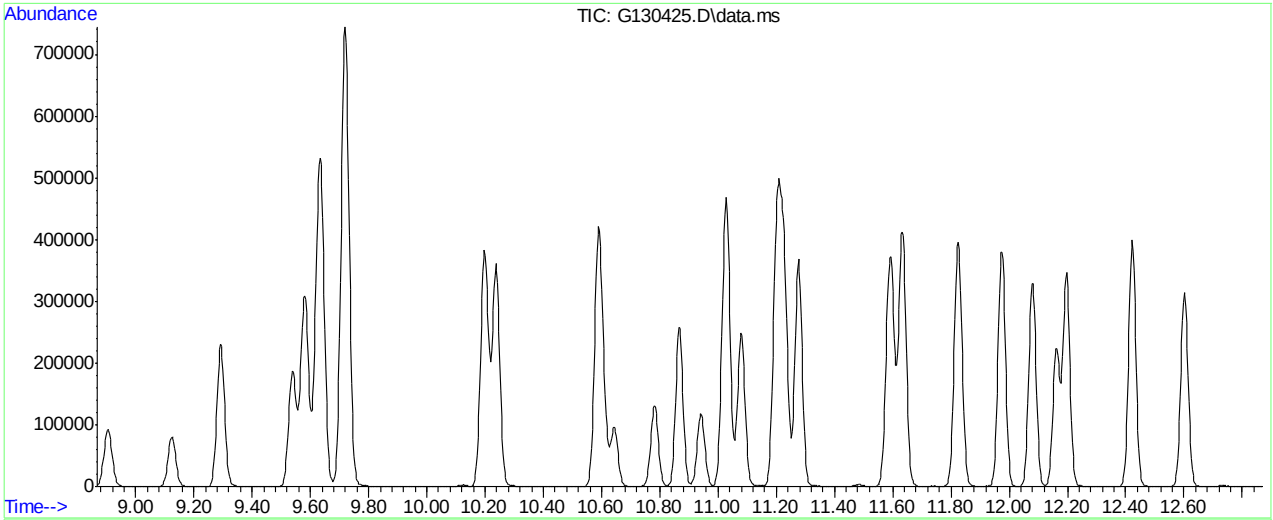
Average of 10.866 to 10.872 min.: G128900.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.05	2365	118.90	323	142.95	611		
94.05	7001	127.90	226	147.90	135		
95.05	66213	128.95	35	154.90	161		
96.05	4411	129.90	243	156.90	138		
97.00	132	130.85	78	173.95	49936		
103.85	231	131.05	35	175.00	3431		
104.95	39	134.90	99	175.95	48498		
105.95	280	136.75	37	176.95	3017		
115.90	174	136.95	68	177.95	34		
116.95	369	140.95	585				
117.90	209	141.95	35				

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\G130813\G130425.D Vial: 3
Acq On : 13 Aug 2013 9:06 am Operator: jaimem
Sample : bfb Inst : MSG
Misc : MS29638,MSG5087,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130628s.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Average of 10.865 to 10.871 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.2	8563	PASS
75	95	30	60	44.1	24760	PASS
95	95	100	100	100.0	56193	PASS
96	95	5	9	6.7	3750	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	82.1	46114	PASS
175	174	5	9	7.2	3325	PASS
176	174	95	101	95.5	44056	PASS
177	176	5	9	7.1	3107	PASS

G130425.D g130628s.m Tue Aug 13 10:00:30 2013

Average of 10.865 to 10.871 min.: G130425.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	416	50.05	8563	64.10	162	78.00	319
37.10	1879	51.05	2600	67.05	132	78.95	1018
38.10	1702	52.05	99	68.05	4935	80.00	340
39.05	774	55.05	145	69.05	4890	80.95	1085
40.00	49	56.05	642	70.10	387	81.90	240
43.05	35	57.10	1240	72.05	265	87.00	2487
44.00	98	58.05	40	73.05	2094	88.00	2352
45.10	333	60.05	432	74.05	7751	90.95	140
47.10	738	61.05	2034	75.05	24760	91.25	51
48.00	285	62.05	2108	76.05	2102	92.05	1471
49.10	1752	63.05	1622	76.95	297	93.05	2011

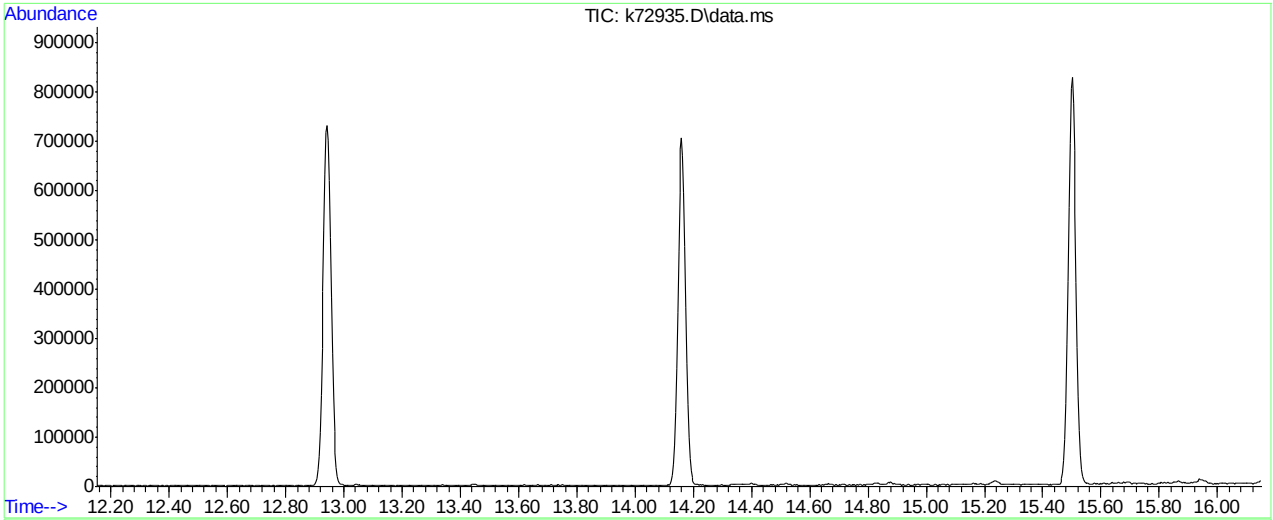
Average of 10.865 to 10.871 min.: G130425.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.05	5838	127.90	206	173.95	46114		
95.00	56193	128.95	45	174.95	3325		
96.05	3750	129.85	188	175.95	44056		
97.00	174	130.85	53	176.95	3107		
104.00	199	136.95	42				
104.85	48	140.95	530				
105.90	233	142.95	524				
115.85	109	145.95	78				
116.90	308	147.95	203				
117.90	214	154.95	156				
119.00	253	156.95	75				

SW-846 Method 8260

Data File : C:\msdchem\1\data\130807\k72935.D Vial: 31
Acq On : 7 Aug 2013 9:55 pm Operator: GaryK
Sample : bfb Inst : MSK
Misc : ms29614,msk2374,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\K130807S.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 3080

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.5	18808	PASS
75	95	30	60	41.7	50640	PASS
95	95	100	100	100.0	121560	PASS
96	95	5	9	7.3	8840	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	100.0	121568	PASS
175	174	5	9	7.5	9116	PASS
176	174	95	101	96.3	117056	PASS
177	176	5	9	6.8	7928	PASS

k72935.D K130807S.m Thu Aug 08 07:51:25 2013

Scan 3080 (14.153 min): k72935.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	721	51.10	5448	68.10	10064	80.00	785
37.10	5150	52.10	350	69.10	10483	81.00	2553
38.10	4375	55.10	389	70.10	1138	82.00	647
39.10	1649	56.10	1549	72.10	537	87.00	5258
40.00	230	57.10	2447	73.10	4163	88.00	4933
44.10	1168	60.00	971	74.10	16170	91.00	307
45.10	905	61.10	4138	75.10	50640	92.10	2783
47.10	1255	62.10	4248	76.10	4208	93.10	4607
47.90	738	63.10	3026	77.00	561	94.10	13252
49.10	3319	64.00	415	77.80	364	95.10	121560
50.10	18808	65.00	312	79.00	2254	96.10	8840

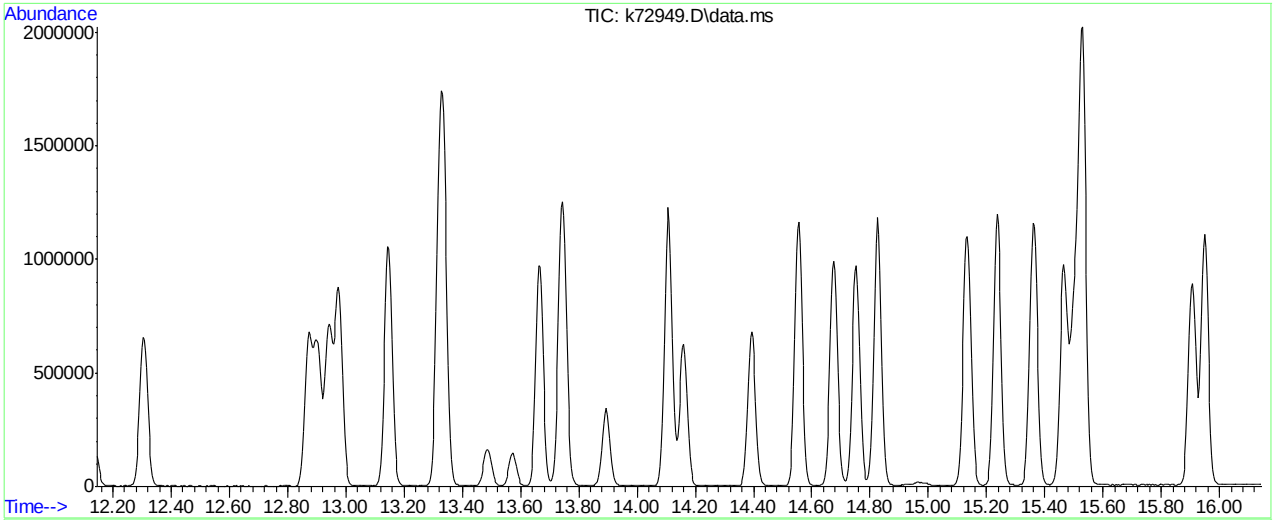
Scan 3080 (14.153 min): k72935.D\data.ms
bfb

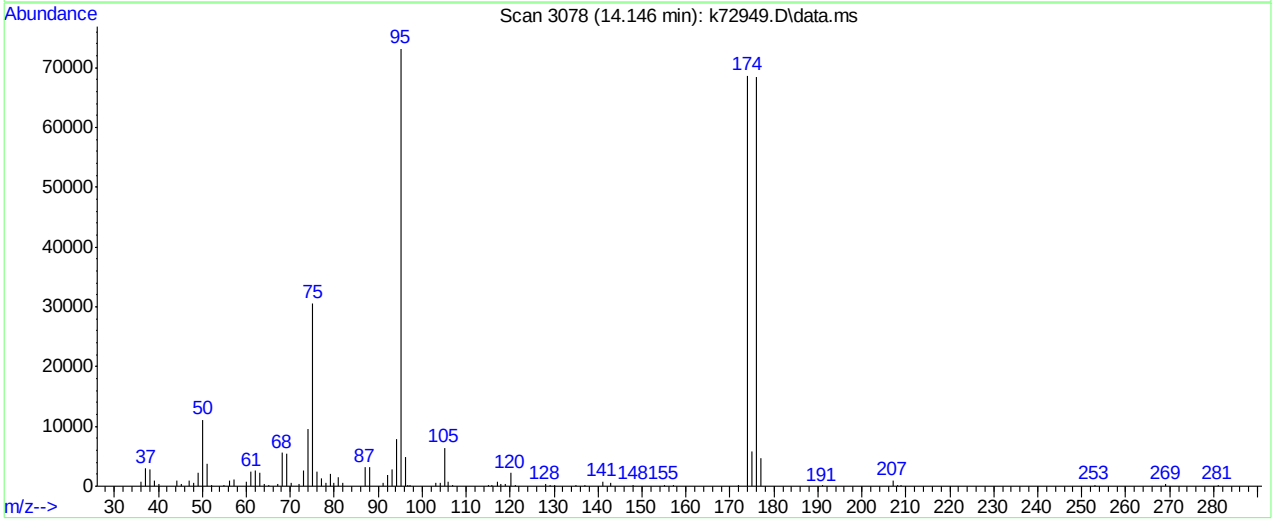
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.10	491	126.90	165	147.80	482	193.00	216
103.90	448	128.00	600	149.90	176	207.10	534
105.00	178	129.20	156	155.00	458	268.90	164
106.00	641	130.00	453	156.90	157	281.00	180
112.90	183	130.90	184	158.90	189		
114.80	212	135.00	233	172.00	908		
115.80	384	136.90	311	174.00	121568		
116.90	849	141.00	1036	175.00	9116		
118.00	446	143.00	1379	176.00	117056		
119.00	731	145.00	152	177.00	7928		
125.80	247	145.90	233	178.00	197		

SW-846 Method 8260

Data File : C:\msdchem\1\data\130808\k72949.D Vial: 2
Acq On : 8 Aug 2013 8:58 am Operator: GaryK
Sample : bfb Inst : MSK
Misc : ms29620,msk2375,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\K130807S.m (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Scan 3078

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.2	11145	PASS
75	95	30	60	41.8	30560	PASS
95	95	100	100	100.0	73184	PASS
96	95	5	9	6.6	4861	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	93.8	68656	PASS
175	174	5	9	8.5	5814	PASS
176	174	95	101	99.8	68496	PASS
177	176	5	9	7.0	4777	PASS

k72949.D K130807S.m Thu Aug 08 10:15:26 2013

Scan 3078 (14.146 min): k72949.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	803	51.10	3823	67.10	329	79.00	1986
37.10	3025	52.10	248	68.10	5602	80.00	611
38.10	2905	55.00	262	69.10	5410	81.00	1526
39.10	906	56.10	879	70.10	570	81.90	485
40.00	383	57.10	1215	72.10	425	87.00	3218
44.10	888	60.10	664	73.10	2638	88.00	3142
45.10	468	61.10	2482	74.10	9479	91.00	663
47.10	886	62.10	2636	75.10	30560	92.00	1885
48.00	548	63.10	2236	76.00	2423	93.10	2852
49.10	2284	64.10	294	77.10	1239	94.10	7946
50.10	11145	65.10	187	78.10	621	95.10	73184

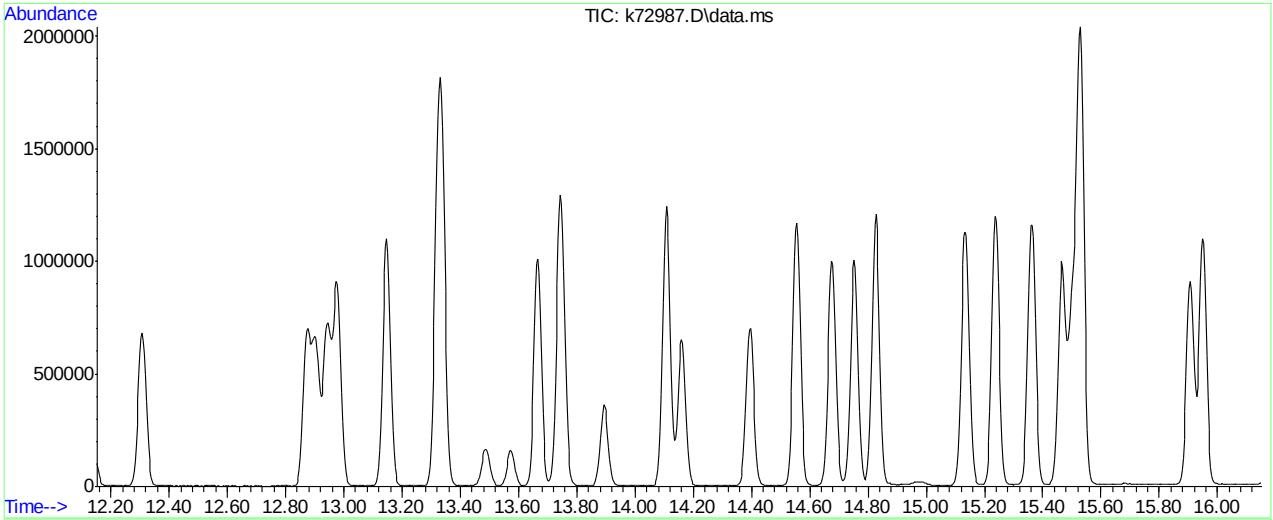
Scan 3078 (14.146 min): k72949.D\data.ms
bfb

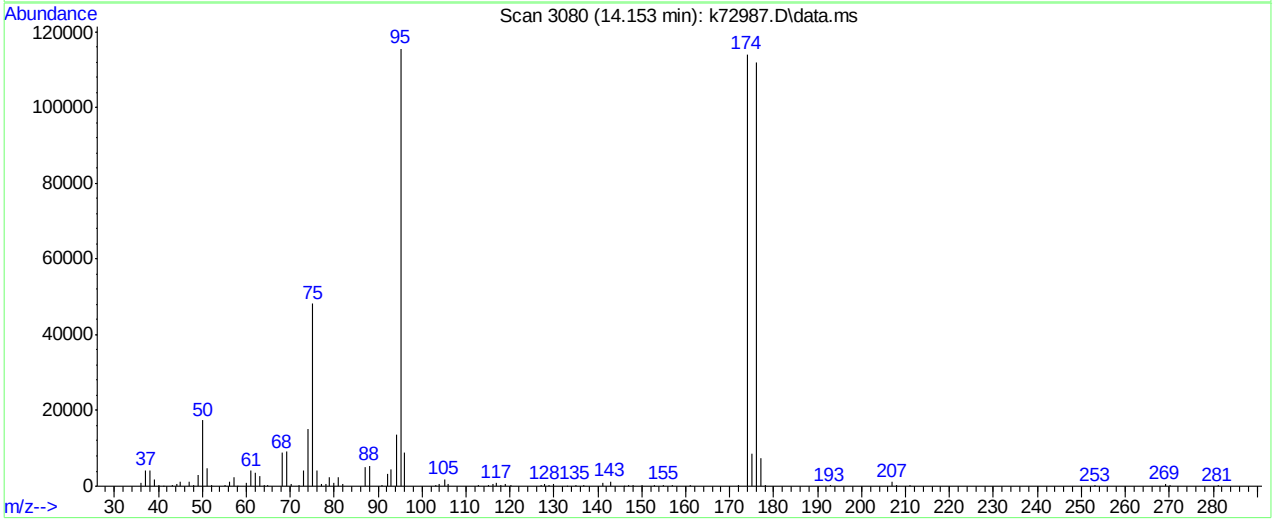
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.10	4861	117.90	371	148.00	225	208.90	169
96.80	190	118.90	428	155.00	221	252.90	212
97.20	184	120.10	2218	157.10	215	269.10	366
103.10	602	121.20	153	172.00	174	281.00	258
104.00	500	128.00	345	174.00	68656		
105.10	6468	129.10	215	175.00	5814		
105.90	710	130.00	192	176.00	68496		
106.80	183	135.00	171	177.00	4777		
115.00	188	136.90	204	191.00	178		
115.80	171	141.10	771	207.00	1033		
117.00	684	142.90	559	208.10	160		

SW-846 Method 8260

Data File : C:\msdchem\1\data\130809\k72987.D Vial: 2
Acq On : 9 Aug 2013 9:45 am Operator: GaryK
Sample : bfb Inst : MSK
Misc : ms29626,msk2376,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\K130807S.m (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Scan 3080

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.1	17432	PASS
75	95	30	60	41.7	48224	PASS
95	95	100	100	100.0	115568	PASS
96	95	5	9	7.8	8981	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	98.7	114008	PASS
175	174	5	9	7.6	8647	PASS
176	174	95	101	98.1	111800	PASS
177	176	5	9	6.7	7530	PASS

k72987.D K130807S.m Fri Aug 09 13:07:55 2013

Scan 3080 (14.153 min): k72987.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	901	49.10	3039	63.10	2774	77.00	748
37.10	4184	50.10	17432	64.10	454	78.00	731
38.10	4057	51.10	4757	64.90	215	79.00	2376
39.10	1918	52.10	344	68.10	8860	79.90	771
40.00	263	55.10	371	69.10	9052	80.90	2435
41.10	155	56.10	1152	70.10	592	81.90	599
43.20	319	57.10	2440	72.10	421	87.10	5105
44.10	740	58.10	154	73.10	4207	88.00	5355
45.00	1056	60.10	829	74.10	15056	90.90	446
47.10	1168	61.10	4049	75.10	48224	92.10	3162
48.10	385	62.10	3546	76.10	4033	93.00	4552

Scan 3080 (14.153 min): k72987.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.10	13588	118.00	434	142.90	1330	175.00	8647
95.10	115568	119.00	587	145.90	159	176.00	111800
96.10	8981	120.10	448	147.00	168	177.00	7530
103.10	368	127.00	197	148.00	364	178.00	226
103.90	515	127.90	474	150.00	161	192.90	208
105.10	1833	129.00	286	152.90	163	207.00	1058
106.00	685	129.90	466	155.00	362	208.00	312
112.80	170	133.00	156	156.90	216	211.10	180
115.10	183	134.90	312	160.90	178	253.10	232
116.00	529	136.90	325	172.00	221	269.20	549
117.00	760	141.10	969	174.00	114008	270.10	367

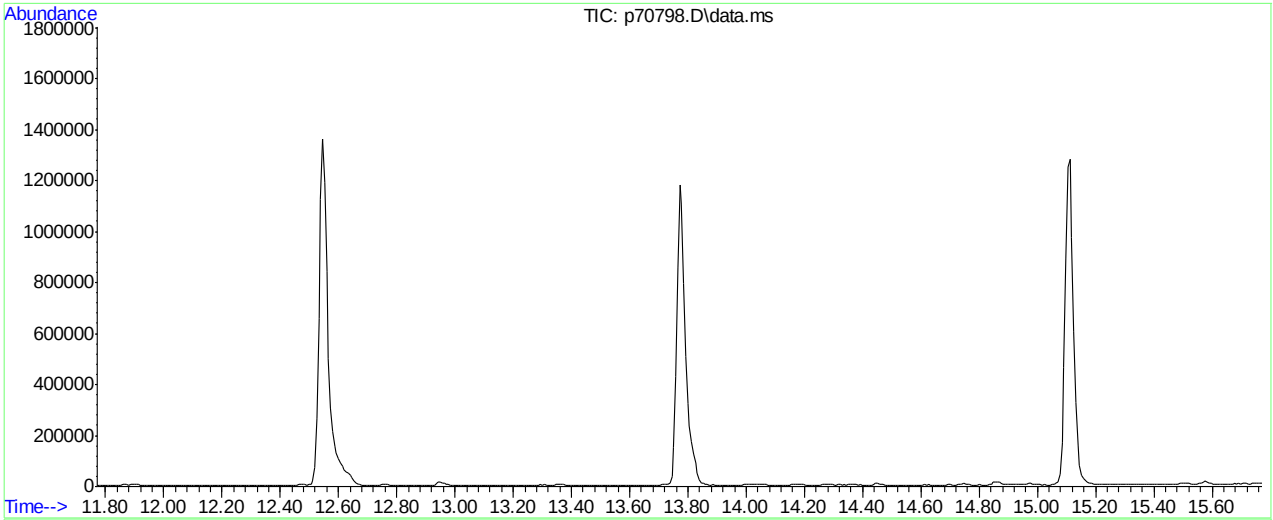
Scan 3080 (14.153 min): k72987.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
281.10	240						

SW-846 Method 8260

Data File : C:\msdchem\1\data\P130805\p70798.D Vial: 4
Acq On : 5 Aug 2013 1:05 pm Operator: krystend
Sample : bfb Inst : MSP
Misc : ms29498,msp2318,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 1497

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.1	54912	PASS
75	95	30	60	54.9	130656	PASS
95	95	100	100	100.0	238144	PASS
96	95	5	9	7.1	16968	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	77.0	183424	PASS
175	174	5	9	8.4	15398	PASS
176	174	95	101	100.2	183872	PASS
177	176	5	9	6.6	12112	PASS

p70798.D P130805S.M Tue Aug 06 09:35:36 2013

Scan 1497 (13.771 min): p70798.D\data.ms (-1524)
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	2746	51.00	15569	65.10	545	77.90	1063
37.10	12937	52.10	1013	67.10	765	78.90	6886
38.10	10405	55.00	716	68.00	26480	80.00	2154
39.10	4562	56.10	4842	69.00	26352	80.90	6288
43.10	350	57.10	7011	70.10	1807	81.90	1103
44.00	1700	58.00	342	72.10	1383	82.90	419
45.00	2451	60.00	2170	73.00	11525	87.00	6993
47.00	2117	61.00	12217	74.00	43528	88.00	7630
48.00	1781	62.00	11995	75.10	130656	90.90	1138
49.00	11108	63.10	9893	76.10	10482	92.00	7800
50.00	54912	64.10	678	77.00	1136	93.00	10484

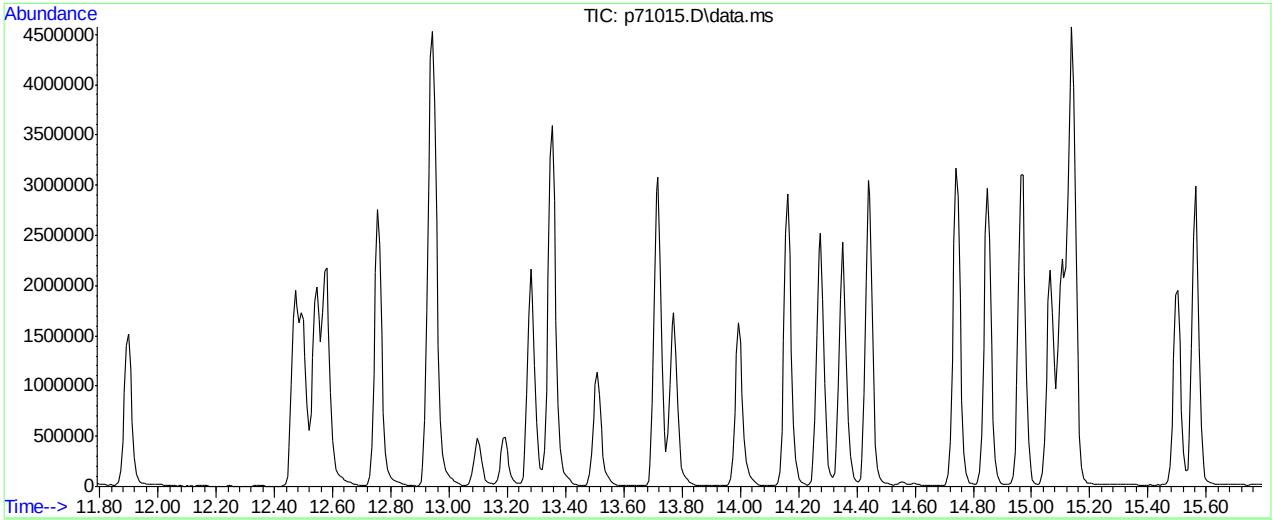
Scan 1497 (13.771 min): p70798.D\data.ms (-1524)
bfb
Modified:subtracted

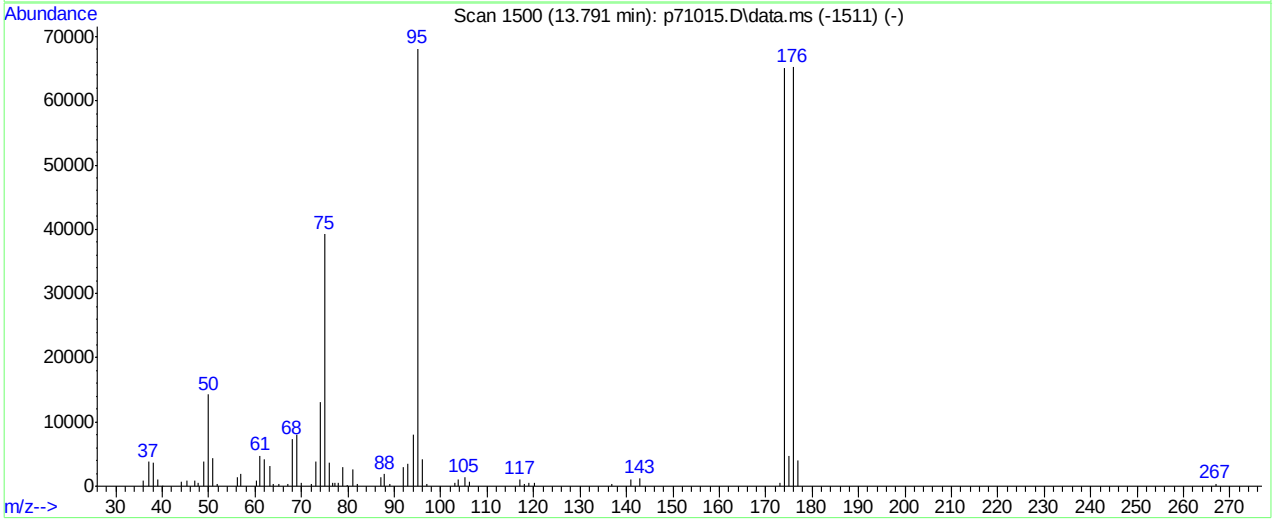
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	27800	128.00	868	147.90	886	208.10	389
95.00	238144	129.00	432	150.00	440	270.00	318
96.10	16968	130.00	763	155.00	603		
97.10	474	130.90	479	157.10	415		
104.00	987	135.00	485	160.80	327		
104.90	573	136.80	400	172.10	311		
106.00	1054	139.90	319	174.00	183424		
115.90	896	141.00	2497	175.00	15398		
116.90	1632	142.00	329	176.00	183872		
117.90	874	142.90	2371	177.00	12112		
118.90	1070	145.90	565	178.00	371		

SW-846 Method 8260

Data File : C:\msdchem\1\data\P130814\p71015.D Vial: 6
Acq On : 14 Aug 2013 11:07 am Operator: krystend
Sample : bfb Inst : MSP
Misc : ms29647,msp2326,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Scan 1500

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.9	14260	PASS
75	95	30	60	57.5	39214	PASS
95	95	100	100	100.0	68158	PASS
96	95	5	9	6.2	4247	PASS
173	174	0.00	2	0.8	532	PASS
174	95	50	150	95.5	65071	PASS
175	174	5	9	7.4	4807	PASS
176	174	95	101	100.2	65220	PASS
177	176	5	9	6.1	3957	PASS

p71015.D P130805S.M Wed Aug 14 12:29:13 2013

Scan 1500 (13.791 min): p71015.D\data.ms (-1511)
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	868	50.95	4313	68.00	7353	78.90	2891
37.10	3786	51.90	435	69.00	8119	79.95	234
38.10	3719	56.10	1316	69.90	586	81.00	2546
39.10	1133	57.00	1891	72.00	423	82.00	433
39.95	31	60.20	877	73.00	3772	87.00	1402
44.00	721	61.10	4774	74.00	13152	87.90	1885
45.20	795	62.00	4256	75.00	39214	88.90	308
47.00	883	63.10	3104	76.00	3706	92.00	3003
47.80	488	64.00	427	76.80	560	93.00	3421
49.00	3825	65.20	372	77.20	450	94.00	7976
50.00	14260	67.10	392	77.90	485	95.00	68158

Scan 1500 (13.791 min): p71015.D\data.ms (-1511)
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.10	4247	141.00	1070				
97.00	319	142.90	1260				
103.00	606	173.00	532				
103.80	1123	174.00	65071				
105.10	1411	175.00	4807				
106.10	690	175.95	65220				
117.10	1064	177.00	3957				
118.00	396	266.90	412				
119.00	610						
120.10	615						
136.80	316						

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
07/01/13 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128901.D
Acq On : 29 Jun 2013 12:47 am
Operator : jaimem
Sample : ic5050-0.5
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 29 07:28:30 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:27:21 2013
Response via : Initial Calibration

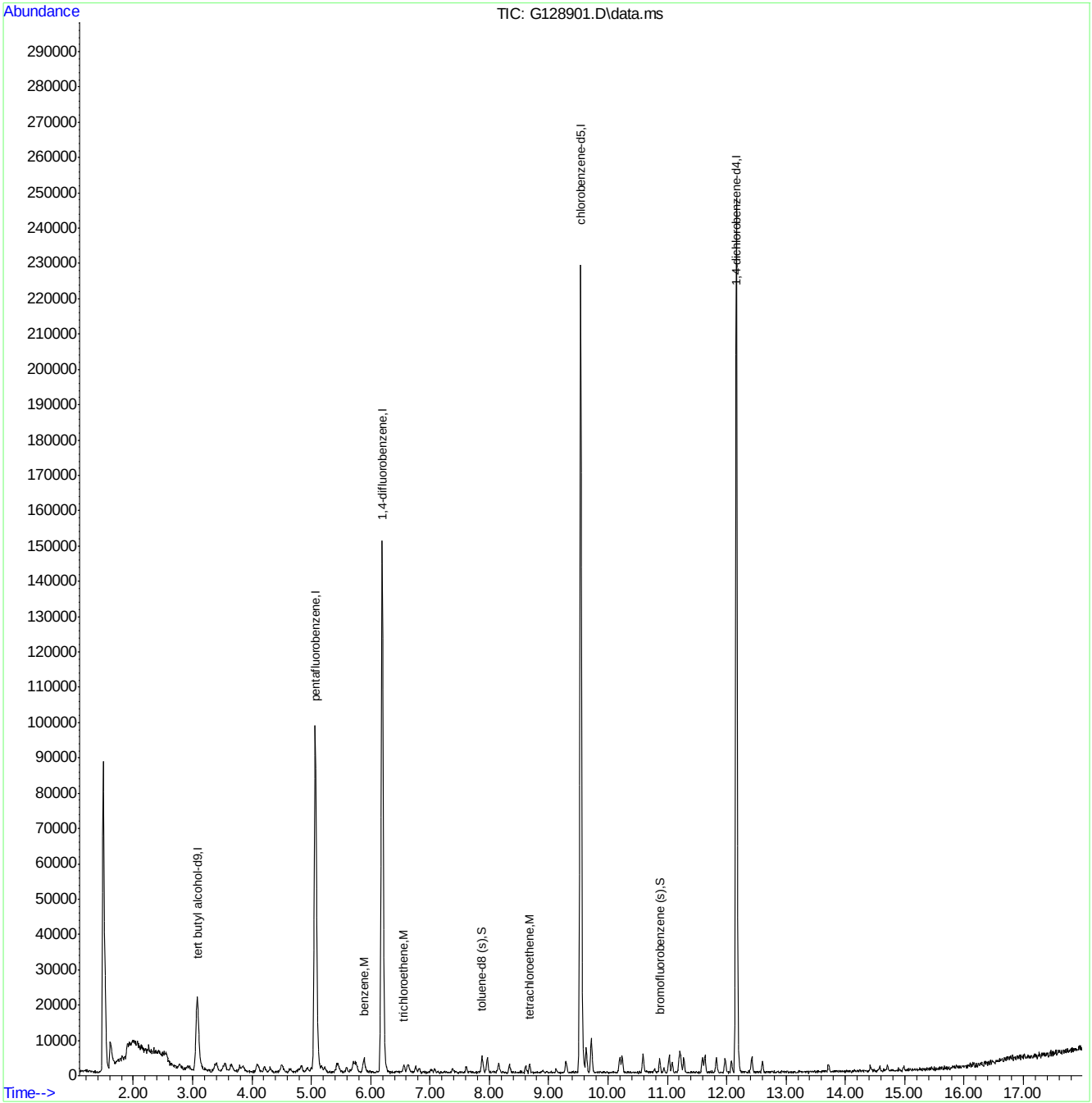
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.084	65	38546	500.00	ppb	0.00
4) pentafluorobenzene	5.073	168	95790	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.197	114	162402	50.00	ppb	0.00
66) chlorobenzene-d5	9.540	82	82833	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.164	152	73583	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	0.000	113	0	0.00	ppb	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
60) toluene-d8 (s)	7.879	98	3682	0.57	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	1.14%#		
82) bromofluorobenzene (s)	10.869	95	1738	0.71	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	1.42%#		
Target Compounds						Qvalue
47) benzene	5.896	78	4074	0.58	ppb	94
51) trichloroethene	6.562	95	1034	0.55	ppb	91
67) tetrachloroethene	8.679	166	902m	0.51	ppb	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128901.D
Acq On : 29 Jun 2013 12:47 am
Operator : jaimem
Sample : ic5050-0.5
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 29 07:28:30 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:27:21 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
07/01/13 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128902.D
Acq On : 29 Jun 2013 1:15 am
Operator : jaimem
Sample : ic5050-2
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 29 07:44:45 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:28:46 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.084	65	37391	500.00	ppb		0.00
4) pentafluorobenzene	5.074	168	94671	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.197	114	160706	50.00	ppb		0.00
66) chlorobenzene-d5	9.540	82	81286	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.164	152	71899	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.231	113	3124	2.07	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 4.14%#				
60) toluene-d8 (s)	7.880	98	13864	2.03	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 4.06%#				
82) bromofluorobenzene (s)	10.868	95	5539	1.91	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 3.82%#				
Target Compounds							Qvalue
5) dichlorodifluoromethane	1.649	85	3618m	2.42	ppb		
7) vinyl chloride	1.894	62	801m	1.96	ppb		
8) bromomethane	2.267	96	1832	2.67	ppb		89
12) trichlorofluoromethane	2.581	101	4076m	1.79	ppb		
15) 1,1-dichloroethene	3.088	96	3700	2.30	ppb		86
16) acetone	2.965	58	709m	2.86	ppb		
18) methylene chloride	3.534	84	4640	2.58	ppb	#	74
19) methyl tert butyl ether	3.663	73	9771	2.18	ppb		95
22) trans-1,2-dichloroethene	3.800	96	3691	2.24	ppb		85
28) di-isopropyl ether	4.094	45	12793	2.27	ppb		95
33) 1,1-dichloroethane	4.216	63	6436	2.20	ppb		95
34) tert-butyl ethyl ether	4.507	59	10938	2.19	ppb		83
37) cis-1,2-dichloroethene	4.835	96	4063	2.25	ppb	#	79
39) chloroform	5.000	83	6471	2.29	ppb		98
42) 1,1,1-trichloroethane	5.432	97	4915	2.14	ppb		92
45) carbon tetrachloride	5.709	117	3670	1.75	ppb		90
47) benzene	5.897	78	16249	2.17	ppb		98
48) 1,2-dichloroethane	5.876	62	4802	2.22	ppb		99
51) trichloroethene	6.563	95	4195	2.14	ppb		93
52) 1,2-dichloropropane	6.761	63	3991	2.22	ppb		92
54) bromodichloromethane	7.018	83	3939	1.97	ppb		91
59) cis-1,3-dichloropropene	7.612	75	5696	2.02	ppb		99
63) trans-1,3-dichloropropene	8.163	75	4361	1.92	ppb		90
64) 1,1,2-trichloroethane	8.337	83	2754	2.16	ppb		81
67) tetrachloroethene	8.680	166	3954	2.25	ppb		93
69) dibromochloromethane	8.905	129	2301	1.65	ppb		94
70) 1,2-dibromoethane	9.126	107	3080	2.08	ppb		100
72) chlorobenzene	9.582	112	10626	2.31	ppb		96
74) ethylbenzene	9.637	91	19532	2.31	ppb		97
75) m,p-xylene	9.721	106	14358	4.57	ppb		99
76) o-xylene	10.200	106	6633	2.20	ppb		94
78) bromoform	10.611	173	1093	1.40	ppb		91
84) 1,1,2,2-tetrachloroethane	10.783	83	3674	2.11	ppb		96
93) 1,3-dichlorobenzene	12.082	146	7619	2.27	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128902.D
Acq On : 29 Jun 2013 1:15 am
Operator : jaimem
Sample : ic5050-2
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 29 07:44:45 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:28:46 2013
Response via : Initial Calibration

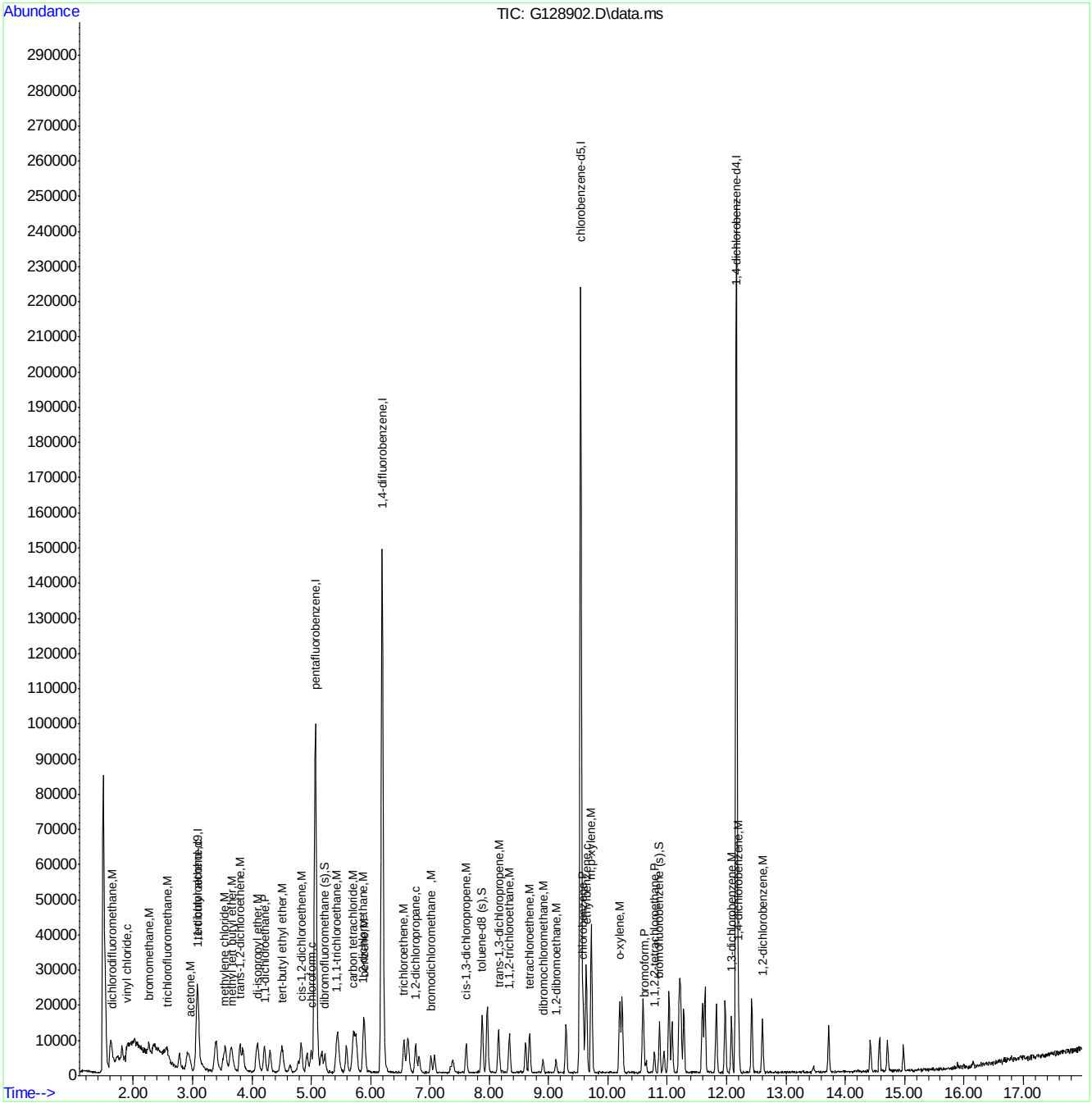
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) 1,4-dichlorobenzene	12.199	146	8516	2.32	ppb	93
96) 1,2-dichlorobenzene	12.605	146	7242	2.24	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128902.D
Acq On : 29 Jun 2013 1:15 am
Operator : jaimem
Sample : ic5050-2
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 29 07:44:45 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:28:46 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
07/01/13 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128903.D
Acq On : 29 Jun 2013 1:43 am
Operator : jaimem
Sample : ic5050-5
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 29 07:35:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:32:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.084	65	38596	500.00	ppb		0.00
4) pentafluorobenzene	5.073	168	95780	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.197	114	162322	50.00	ppb		0.00
66) chlorobenzene-d5	9.541	82	82747	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.164	152	73810	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.231	113	7365	4.83	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	9.66%#			
60) toluene-d8 (s)	7.880	98	31438	4.54	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	9.08%#			
82) bromofluorobenzene (s)	10.869	95	12804	4.37	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	8.74%#			
Target Compounds							Qvalue
5) dichlorodifluoromethane	1.648	85	7351m	4.40	ppb		
6) chloromethane	1.819	50	6869	4.84	ppb		93
7) vinyl chloride	1.899	62	1936	4.74	ppb		94
8) bromomethane	2.269	96	3772	4.65	ppb		90
9) chloroethane	2.340	64	3421	5.16	ppb		98
10) ethyl ether	2.782	59	6225	4.74	ppb		74
11) acetonitrile	3.425	41	12759	4.89	ppb		92
12) trichlorofluoromethane	2.596	101	9849	4.51	ppb		99
13) freon-113	2.928	101	8033	4.62	ppb		88
15) 1,1-dichloroethene	3.090	96	7817	4.46	ppb		95
16) acetone	2.961	58	1400	5.58	ppb		93
17) Methyl Acetate	3.378	43	10878	5.96	ppb	#	92
18) methylene chloride	3.536	84	11028	5.29	ppb	#	75
19) methyl tert butyl ether	3.664	73	21458	4.53	ppb		90
21) allyl chloride	3.427	41	13086	5.02	ppb		91
22) trans-1,2-dichloroethene	3.800	96	7961	4.51	ppb		93
23) iodomethane	3.388	142	13438	4.71	ppb		84
24) carbon disulfide	3.594	76	20575	4.17	ppb		94
25) propionitrile	4.720	54	1145	5.09	ppb		100
26) vinyl acetate	4.208	43	9590	3.85	ppb		98
27) chloroprene	4.309	53	11760	4.76	ppb		82
28) di-isopropyl ether	4.095	45	28145	4.62	ppb		97
29) methacrylonitrile	4.934	41	6645	5.46	ppb		84
30) 2-butanone	4.642	72	1157	5.34	ppb	#	45
31) Ethyl Acetate	4.816	43	3654m	6.34	ug/L		
32) Hexane	3.854	41	8538	5.71	ppb		93
33) 1,1-dichloroethane	4.218	63	14272	4.60	ppb		92
34) tert-butyl ethyl ether	4.507	59	23962	4.52	ppb		98
35) isobutyl alcohol	4.963	43	2900m	36.93	ppb		
36) 2,2-dichloropropane	4.793	77	7032	5.20	ppb		98
37) cis-1,2-dichloroethene	4.835	96	8905	4.58	ppb	#	77
38) bromochloromethane	5.176	128	3975	4.81	ppb		92
39) chloroform	5.001	83	13596	4.44	ppb		92
42) 1,1,1-trichloroethane	5.432	97	10933	4.54	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128903.D
Acq On : 29 Jun 2013 1:43 am
Operator : jaimem
Sample : ic5050-5
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 29 07:35:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:32:53 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	Cyclohexane	5.451	56	15631	4.81	ppb	#	76
45)	carbon tetrachloride	5.710	117	9062	4.57	ppb		94
46)	1,1-dichloropropene	5.595	75	11399	4.78	ppb		93
47)	benzene	5.896	78	34493	4.44	ppb		97
48)	1,2-dichloroethane	5.876	62	10470	4.54	ppb		99
49)	tert-amyl methyl ether	5.722	73	22253	4.57	ppb		91
50)	heptane	5.748	43	19890	5.31	ppb		87
51)	trichloroethene	6.563	95	9109	4.50	ppb		91
52)	1,2-dichloropropane	6.761	63	8783	4.58	ppb		97
54)	bromodichloromethane	7.019	83	8375	4.18	ppb		88
55)	Methylcyclohexane	6.631	83	13901	4.66	ppb		88
56)	2-chloroethyl vinyl ether	7.350	63	1569	3.68	ppb	#	47
57)	methyl methacrylate	6.820	69	5400	4.84	ppb	#	76
59)	cis-1,3-dichloropropene	7.612	75	12352	4.32	ppb		96
61)	4-methyl-2-pentanone	7.382	43	9059	4.90	ppb	#	90
62)	toluene	7.967	92	21689	4.86	ppb		95
63)	trans-1,3-dichloropropene	8.163	75	9951	4.42	ppb		98
64)	1,1,2-trichloroethane	8.338	83	6096	4.55	ppb		93
65)	ethyl methacrylate	8.151	69	9946	4.61	ppb	#	74
67)	tetrachloroethene	8.680	166	8679	4.66	ppb		95
68)	1,3-dichloropropane	8.614	76	12119	4.76	ppb		96
69)	dibromochloromethane	8.906	129	5109	3.95	ppb		81
70)	1,2-dibromoethane	9.126	107	6845	4.45	ppb		99
71)	2-hexanone	8.349	43	6600	5.27	ppb		98
72)	chlorobenzene	9.582	112	22518	4.46	ppb		96
73)	1,1,1,2-tetrachloroethane	9.629	131	7033	4.43	ppb		98
74)	ethylbenzene	9.637	91	42250	4.56	ppb		96
75)	m,p-xylene	9.721	106	31026	9.06	ppb		94
76)	o-xylene	10.200	106	14383	4.47	ppb	#	80
77)	styrene	10.238	104	26088	4.67	ppb		89
78)	bromoform	10.612	173	2645	3.91	ppb		74
79)	trans-1,4-dichloro-2-b...	10.646	53	1984	3.83	ppb		93
81)	isopropylbenzene	10.591	105	36713	4.88	ppb		94
83)	bromobenzene	11.082	156	9783	4.94	ppb	#	80
84)	1,1,2,2-tetrachloroethane	10.783	83	8088	4.41	ppb		89
85)	1,2,3-trichloropropane	10.944	75	6999	4.80	ppb		95
86)	n-propylbenzene	11.031	91	43235	4.87	ppb		93
87)	2-chlorotoluene	11.226	91	31627	5.08	ppb		92
88)	4-chlorotoluene	11.279	91	26626	4.94	ppb		95
89)	1,3,5-trimethylbenzene	11.204	105	33125	4.81	ppb		100
90)	tert-butylbenzene	11.600	91	21647	5.08	ppb		86
91)	1,2,4-trimethylbenzene	11.635	105	33361	4.84	ppb		96
92)	sec-butylbenzene	11.827	105	37269	4.82	ppb		97
93)	1,3-dichlorobenzene	12.082	146	16686	4.53	ppb		96
94)	p-isopropyltoluene	11.976	119	30767	4.70	ppb		98
95)	1,4-dichlorobenzene	12.199	146	18721	4.60	ppb		97
96)	1,2-dichlorobenzene	12.605	146	15951	4.54	ppb		94
97)	n-butylbenzene	12.425	91	29609	4.59	ppb		91
98)	1,2-dibromo-3-chloropr...	13.463	75	1067	4.02	ppb	#	54
100)	1,2,4-trichlorobenzene	14.423	180	8394	3.84	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128903.D
Acq On : 29 Jun 2013 1:43 am
Operator : jaimem
Sample : ic5050-5
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 29 07:35:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:32:53 2013
Response via : Initial Calibration

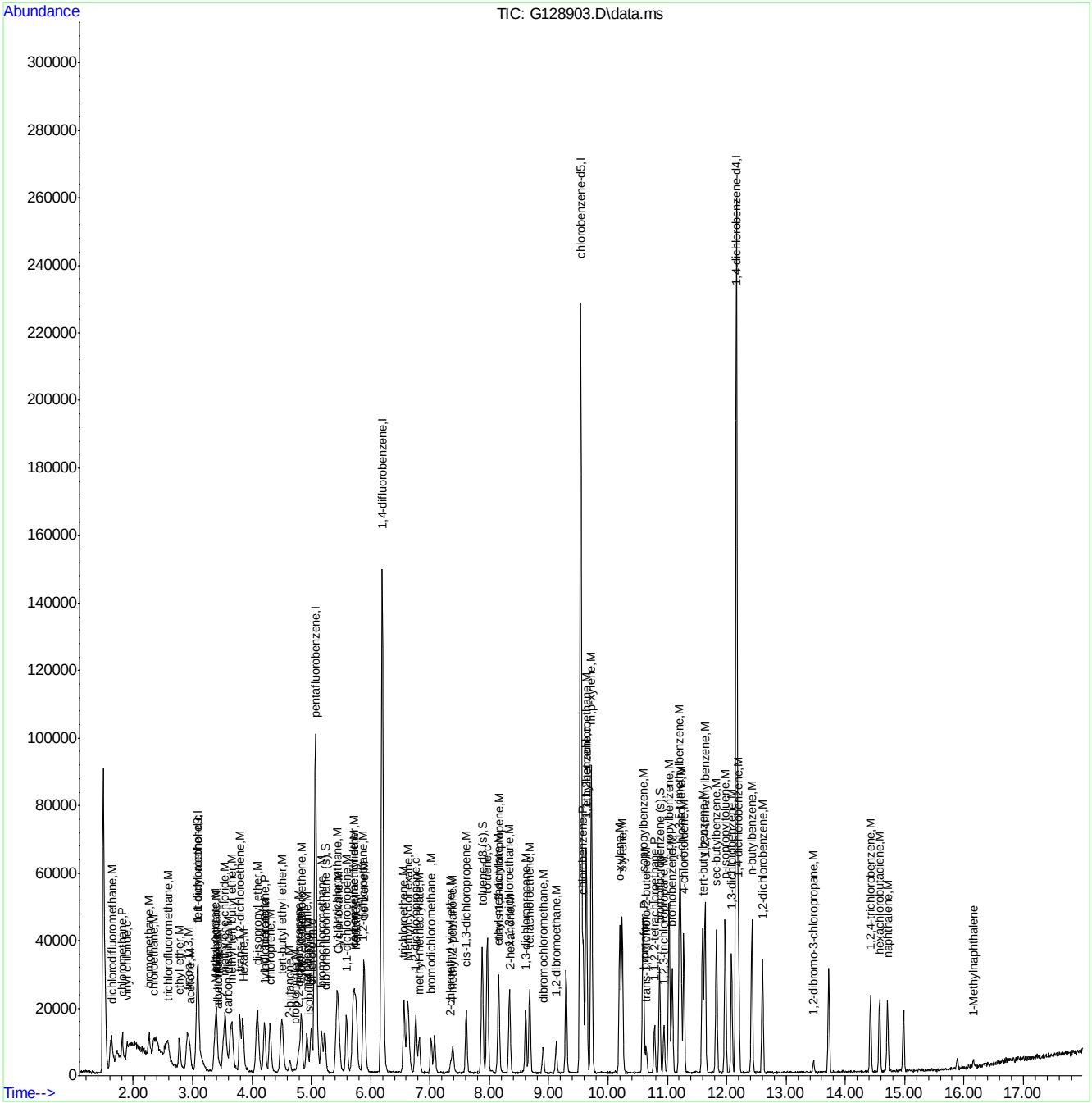
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) hexachlorobutadiene	14.577	225	5190	4.60	ppb	93
102) naphthalene	14.711	128	18557	3.76	ppb	100
104) 1-Methylnaphthalene	16.159	142	1379	1.53	ug/L #	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128903.D
Acq On : 29 Jun 2013 1:43 am
Operator : jaimem
Sample : ic5050-5
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 29 07:35:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:32:53 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
07/01/13 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128904.D
Acq On : 29 Jun 2013 2:11 am
Operator : jaimem
Sample : ic5050-25
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 29 07:36:38 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:36:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.084	65	37661	500.00	ppb		0.00
4) pentafluorobenzene	5.073	168	95345	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.197	114	160850	50.00	ppb		0.00
66) chlorobenzene-d5	9.540	82	82353	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.164	152	75085	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.232	113	37502	25.13	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 50.26%#				
60) toluene-d8 (s)	7.880	98	158584	23.65	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 47.30%#				
82) bromofluorobenzene (s)	10.869	95	61546	21.31	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 42.62%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.160	59	29596	261.18	ppb		95
3) Ethanol	2.448	45	29055m	2604.34	ppb		
5) dichlorodifluoromethane	1.647	85	36856m	23.09	ppb		
6) chloromethane	1.826	50	33126	23.83	ppb		97
7) vinyl chloride	1.900	62	9262	23.17	ppb		70
8) bromomethane	2.273	96	19619	24.88	ppb		92
9) chloroethane	2.339	64	17320	25.83	ppb		78
10) ethyl ether	2.788	59	33212	26.08	ppb		81
11) acetonitrile	3.420	41	65052	25.33	ppb		97
12) trichlorofluoromethane	2.607	101	54724	26.04	ppb		97
13) freon-113	2.929	101	40934	24.58	ppb		88
14) acrolein	2.907	56	17618	127.48	ppb		99
15) 1,1-dichloroethene	3.094	96	40931	24.35	ppb		98
16) acetone	2.964	58	6264	23.70	ppb		89
17) Methyl Acetate	3.375	43	44543	22.37	ppb	#	85
18) methylene chloride	3.536	84	47186	22.32	ppb		84
19) methyl tert butyl ether	3.665	73	112980	24.74	ppb		93
20) acrylonitrile	3.637	53	15431	25.18	ppb		80
21) allyl chloride	3.420	41	65052	25.01	ppb		81
22) trans-1,2-dichloroethene	3.802	96	41897	24.64	ppb		99
23) iodomethane	3.388	142	72401	26.24	ppb		92
24) carbon disulfide	3.596	76	118191	26.23	ppb		97
25) propionitrile	4.720	54	5372	23.77	ppb		100
26) vinyl acetate	4.210	43	61827	28.19	ppb		99
27) chloroprene	4.310	53	61377	25.57	ppb		84
28) di-isopropyl ether	4.096	45	145444	24.62	ppb		93
29) methacrylonitrile	4.936	41	30589	24.15	ppb		76
30) 2-butanone	4.642	72	5499	24.65	ppb	#	72
31) Ethyl Acetate	4.813	43	14766	22.69	ug/L	#	99
32) Hexane	3.851	41	37079	23.27	ppb		93
33) 1,1-dichloroethane	4.219	63	75381	25.06	ppb		98
34) tert-butyl ethyl ether	4.508	59	127384	24.95	ppb		92
35) isobutyl alcohol	4.975	43	10950	113.10	ppb	#	61
36) 2,2-dichloropropane	4.795	77	36812	26.82	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128904.D
Acq On : 29 Jun 2013 2:11 am
Operator : jaimem
Sample : ic5050-25
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 29 07:36:38 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:36:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.836	96	46919	24.95	ppb		93
38) bromochloromethane	5.177	128	20814	25.80	ppb		91
39) chloroform	5.002	83	72389	24.66	ppb		100
41) Tetrahydrofuran	5.222	42	10988	25.11	ppb		80
42) 1,1,1-trichloroethane	5.434	97	57927	24.95	ppb		92
44) Cyclohexane	5.451	56	79656	25.23	ppb	#	83
45) carbon tetrachloride	5.712	117	50045	26.22	ppb		96
46) 1,1-dichloropropene	5.597	75	58542	25.32	ppb		95
47) benzene	5.896	78	175802	23.48	ppb		99
48) 1,2-dichloroethane	5.877	62	54306	24.51	ppb		99
49) tert-amyl methyl ether	5.726	73	120298	26.05	ppb		97
50) heptane	5.744	43	91522	23.91	ppb		88
51) trichloroethene	6.563	95	46747	23.90	ppb		87
52) 1,2-dichloropropane	6.761	63	45707	24.76	ppb		100
53) dibromomethane	7.078	93	25339	24.78	ppb		89
54) bromodichloromethane	7.020	83	48452	25.83	ppb		99
55) Methylcyclohexane	6.632	83	72610	25.41	ppb	#	83
56) 2-chloroethyl vinyl ether	7.350	63	9523	25.98	ppb		94
57) methyl methacrylate	6.819	69	27002	24.81	ppb	#	74
58) 1,4-dioxane	7.054	88	1997	108.33	ppb		86
59) cis-1,3-dichloropropene	7.612	75	69485	25.69	ppb		95
61) 4-methyl-2-pentanone	7.381	43	43824	24.17	ppb		88
62) toluene	7.967	92	111865	25.65	ppb		97
63) trans-1,3-dichloropropene	8.164	75	55532	25.91	ppb		98
64) 1,1,2-trichloroethane	8.337	83	31603	24.55	ppb		89
65) ethyl methacrylate	8.151	69	52168	25.40	ppb		75
67) tetrachloroethene	8.680	166	44222	24.26	ppb		99
68) 1,3-dichloropropane	8.613	76	63099	25.50	ppb		96
69) dibromochloromethane	8.906	129	32305	26.96	ppb		100
70) 1,2-dibromoethane	9.126	107	36718	24.90	ppb		99
71) 2-hexanone	8.347	43	30633	23.93	ppb		97
72) chlorobenzene	9.582	112	118980	24.56	ppb		95
73) 1,1,1,2-tetrachloroethane	9.629	131	38739	26.00	ppb		98
74) ethylbenzene	9.637	91	217290	24.26	ppb		96
75) m,p-xylene	9.721	106	160692	48.66	ppb		91
76) o-xylene	10.200	106	76433	24.73	ppb		89
77) styrene	10.239	104	140574	26.16	ppb		90
78) bromoform	10.613	173	17547	28.09	ppb		98
79) trans-1,4-dichloro-2-b...	10.645	53	11774	25.85	ppb		95
81) isopropylbenzene	10.591	105	194628	25.74	ppb		98
83) bromobenzene	11.082	156	51933	25.93	ppb	#	82
84) 1,1,2,2-tetrachloroethane	10.783	83	44316	24.71	ppb		95
85) 1,2,3-trichloropropane	10.943	75	35881	24.69	ppb		97
86) n-propylbenzene	11.031	91	229575	25.76	ppb		95
87) 2-chlorotoluene	11.225	91	161686	25.32	ppb		93
88) 4-chlorotoluene	11.279	91	139841	25.66	ppb		88
89) 1,3,5-trimethylbenzene	11.204	105	175989	25.60	ppb		97
90) tert-butylbenzene	11.600	91	110187	25.21	ppb		83
91) 1,2,4-trimethylbenzene	11.634	105	178772	25.91	ppb		96
92) sec-butylbenzene	11.827	105	198686	25.73	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128904.D
Acq On : 29 Jun 2013 2:11 am
Operator : jaimem
Sample : ic5050-25
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 29 07:36:38 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:36:04 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.082	146	89756	24.74	ppb		93
94)	p-isopropyltoluene	11.976	119	167002	25.87	ppb		97
95)	1,4-dichlorobenzene	12.198	146	97583	24.22	ppb		97
96)	1,2-dichlorobenzene	12.604	146	85285	24.60	ppb		96
97)	n-butylbenzene	12.424	91	163995	26.05	ppb		94
98)	1,2-dibromo-3-chloropr...	13.462	75	5936	24.37	ppb	#	68
99)	1,3,5-trichlorobenzene	13.720	180	62681	24.68	ug/L		99
100)	1,2,4-trichlorobenzene	14.422	180	52591	26.74	ppb		95
101)	hexachlorobutadiene	14.575	225	27451	24.92	ppb		97
102)	naphthalene	14.710	128	114597	26.07	ppb		100
103)	2-Methylnaphthalene	15.890	142	11577	9.67	ug/L		97
104)	1-Methylnaphthalene	16.158	142	8837	11.97	ug/L		98
105)	1,2,3-trichlorobenzene	14.980	180	41451	22.72	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

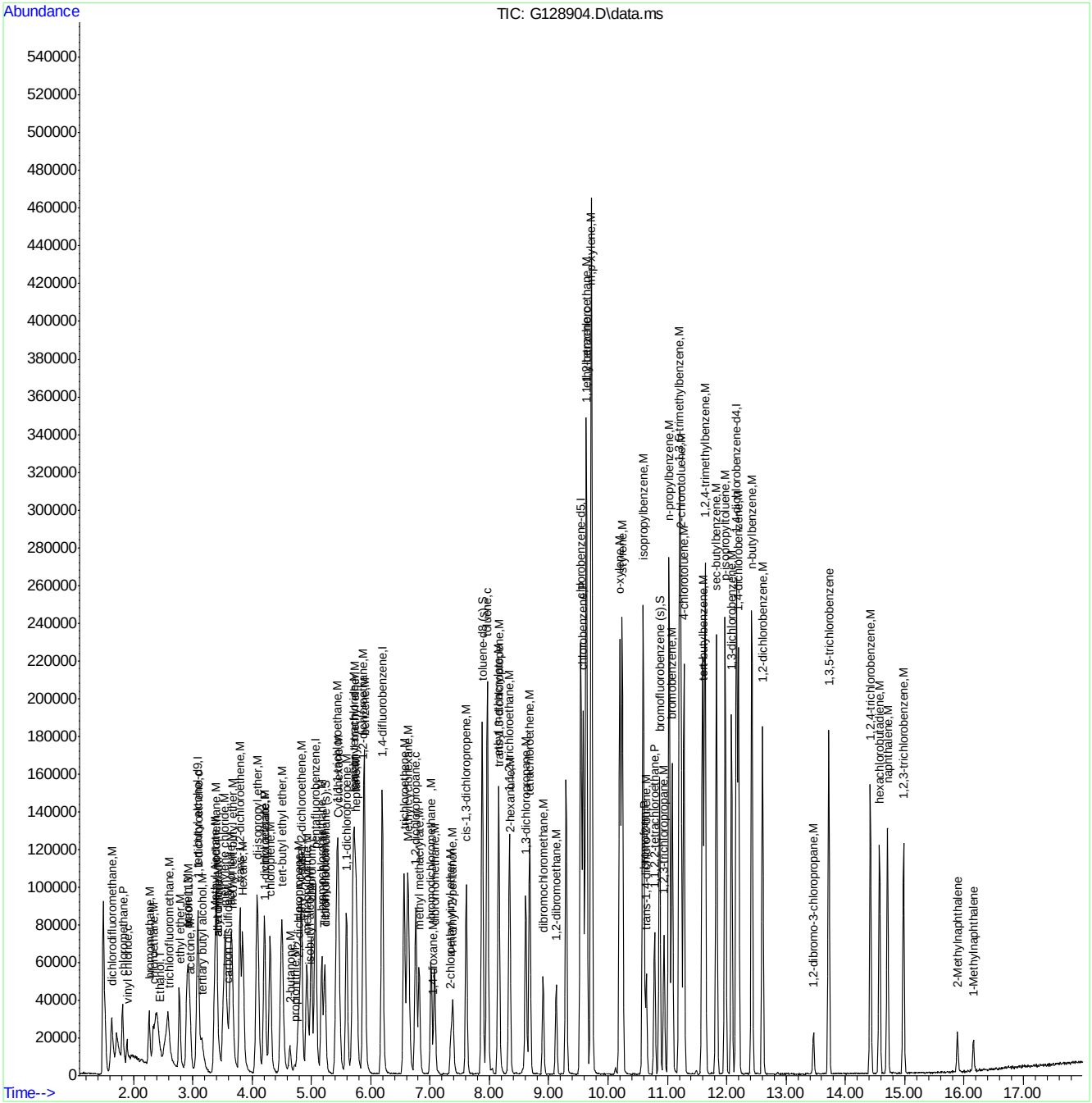
7.6.4

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128904.D
Acq On : 29 Jun 2013 2:11 am
Operator : jaimem
Sample : ic5050-25
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 29 07:36:38 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:36:04 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
07/01/13 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128905.D
Acq On : 29 Jun 2013 2:39 am
Operator : jaimem
Sample : icc5050-50
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 29 07:38:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:37:39 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.088	65	41452	500.00	ppb		0.00
4) pentafluorobenzene	5.073	168	94192	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.197	114	157019	50.00	ppb		0.00
66) chlorobenzene-d5	9.540	82	80513	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.164	152	74097	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.233	113	74973	50.77	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.54%				
60) toluene-d8 (s)	7.880	98	310170	47.91	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.82%				
82) bromofluorobenzene (s)	10.869	95	123644	44.71	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.42%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.163	59	62362	489.07	ppb		98
3) Ethanol	2.453	45	61397	4897.79	ppb		98
5) dichlorodifluoromethane	1.647	85	75485m	48.81	ppb		
6) chloromethane	1.839	50	69790	51.62	ppb		96
7) vinyl chloride	1.911	62	20282	52.31	ppb		85
8) bromomethane	2.279	96	34189	43.94	ppb		98
9) chloroethane	2.339	64	32605	48.68	ppb		80
10) ethyl ether	2.788	59	64589	50.61	ppb		75
11) acetonitrile	3.421	41	128279	50.33	ppb		99
12) trichlorofluoromethane	2.611	101	113163	53.95	ppb		98
13) freon-113	2.936	101	85523	52.28	ppb		90
14) acrolein	2.908	56	34134	247.55	ppb		99
15) 1,1-dichloroethene	3.101	96	80187	48.60	ppb		94
16) acetone	2.966	58	12339	48.09	ppb		88
17) Methyl Acetate	3.376	43	89703	47.26	ppb	#	84
18) methylene chloride	3.537	84	89434	44.00	ppb		85
19) methyl tert butyl ether	3.666	73	222627	49.48	ppb		93
20) acrylonitrile	3.637	53	30269	49.82	ppb		96
21) allyl chloride	3.421	41	128279	49.91	ppb		84
22) trans-1,2-dichloroethene	3.803	96	81885	48.92	ppb		91
23) iodomethane	3.389	142	140417	50.68	ppb		91
24) carbon disulfide	3.599	76	242730	53.65	ppb		98
25) propionitrile	4.722	54	11066	50.39	ppb		100
26) vinyl acetate	4.211	43	122382	54.18	ppb		98
27) chloroprene	4.310	53	121521	50.85	ppb		84
28) di-isopropyl ether	4.096	45	280579	48.25	ppb		92
29) methacrylonitrile	4.933	41	59798	48.33	ppb		73
30) 2-butanone	4.641	72	10662	48.60	ppb	#	69
31) Ethyl Acetate	4.811	43	28345	45.50	ug/L	#	97
32) Hexane	3.850	41	73480	47.78	ppb		93
33) 1,1-dichloroethane	4.219	63	145295	48.87	ppb		96
34) tert-butyl ethyl ether	4.508	59	248830	49.36	ppb		93
35) isobutyl alcohol	4.969	43	19304	208.44	ppb		75
36) 2,2-dichloropropane	4.793	77	66446	47.84	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128905.D
Acq On : 29 Jun 2013 2:39 am
Operator : jaimem
Sample : icc5050-50
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 29 07:38:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:37:39 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.836	96	90027	48.48	ppb		88
38) bromochloromethane	5.178	128	40612	50.42	ppb		90
39) chloroform	5.002	83	140301	48.55	ppb		99
41) Tetrahydrofuran	5.222	42	21612	49.89	ppb		92
42) 1,1,1-trichloroethane	5.435	97	114336	49.87	ppb		92
44) Cyclohexane	5.452	56	157054	50.80	ppb	#	84
45) carbon tetrachloride	5.712	117	102179	54.18	ppb		92
46) 1,1-dichloropropene	5.597	75	115417	50.92	ppb		95
47) benzene	5.896	78	337256	46.71	ppb		96
48) 1,2-dichloroethane	5.877	62	105837	49.18	ppb		99
49) tert-amyl methyl ether	5.725	73	235572	51.53	ppb		92
50) heptane	5.744	43	181202	49.21	ppb		90
51) trichloroethene	6.564	95	91276	48.23	ppb		88
52) 1,2-dichloropropane	6.761	63	87898	48.89	ppb		98
53) dibromomethane	7.079	93	49904	50.22	ppb		88
54) bromodichloromethane	7.020	83	97451	52.78	ppb		99
55) Methylcyclohexane	6.632	83	144433	51.50	ppb	#	83
56) 2-chloroethyl vinyl ether	7.350	63	20610	56.85	ppb		95
57) methyl methacrylate	6.819	69	54010	50.96	ppb	#	73
58) 1,4-dioxane	7.058	88	4499	267.87	ppb		83
59) cis-1,3-dichloropropene	7.612	75	137497	51.71	ppb		95
61) 4-methyl-2-pentanone	7.381	43	89334	51.04	ppb		87
62) toluene	7.967	92	215993	50.29	ppb		98
63) trans-1,3-dichloropropene	8.164	75	111040	52.60	ppb		99
64) 1,1,2-trichloroethane	8.338	83	62231	49.75	ppb		87
65) ethyl methacrylate	8.151	69	104292	51.74	ppb		80
67) tetrachloroethene	8.680	166	86427	48.78	ppb		95
68) 1,3-dichloropropane	8.614	76	123977	50.91	ppb		98
69) dibromochloromethane	8.907	129	69007	57.78	ppb		100
70) 1,2-dibromoethane	9.126	107	73351	50.94	ppb		97
71) 2-hexanone	8.346	43	60947	49.40	ppb		96
72) chlorobenzene	9.582	112	228097	48.38	ppb		94
73) 1,1,1,2-tetrachloroethane	9.629	131	77208	52.31	ppb		99
74) ethylbenzene	9.637	91	418593	48.16	ppb		95
75) m,p-xylene	9.721	106	311165	97.03	ppb		95
76) o-xylene	10.200	106	149030	49.46	ppb		89
77) styrene	10.238	104	271503	50.89	ppb		92
78) bromoform	10.613	173	38794	61.62	ppb		95
79) trans-1,4-dichloro-2-b...	10.646	53	25226	56.01	ppb		92
81) isopropylbenzene	10.591	105	377701	50.12	ppb		99
83) bromobenzene	11.082	156	99412	49.69	ppb	#	82
84) 1,1,2,2-tetrachloroethane	10.783	83	89587	50.77	ppb		92
85) 1,2,3-trichloropropane	10.944	75	73137	51.21	ppb		99
86) n-propylbenzene	11.031	91	445569	50.15	ppb		93
87) 2-chlorotoluene	11.225	91	312785	49.42	ppb		89
88) 4-chlorotoluene	11.279	91	270592	49.87	ppb		89
89) 1,3,5-trimethylbenzene	11.204	105	345953	50.59	ppb		96
90) tert-butylbenzene	11.600	91	214054	49.49	ppb		86
91) 1,2,4-trimethylbenzene	11.635	105	346001	50.21	ppb		96
92) sec-butylbenzene	11.827	105	387796	50.40	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128905.D
Acq On : 29 Jun 2013 2:39 am
Operator : jaimem
Sample : icc5050-50
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 29 07:38:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:37:39 2013
Response via : Initial Calibration

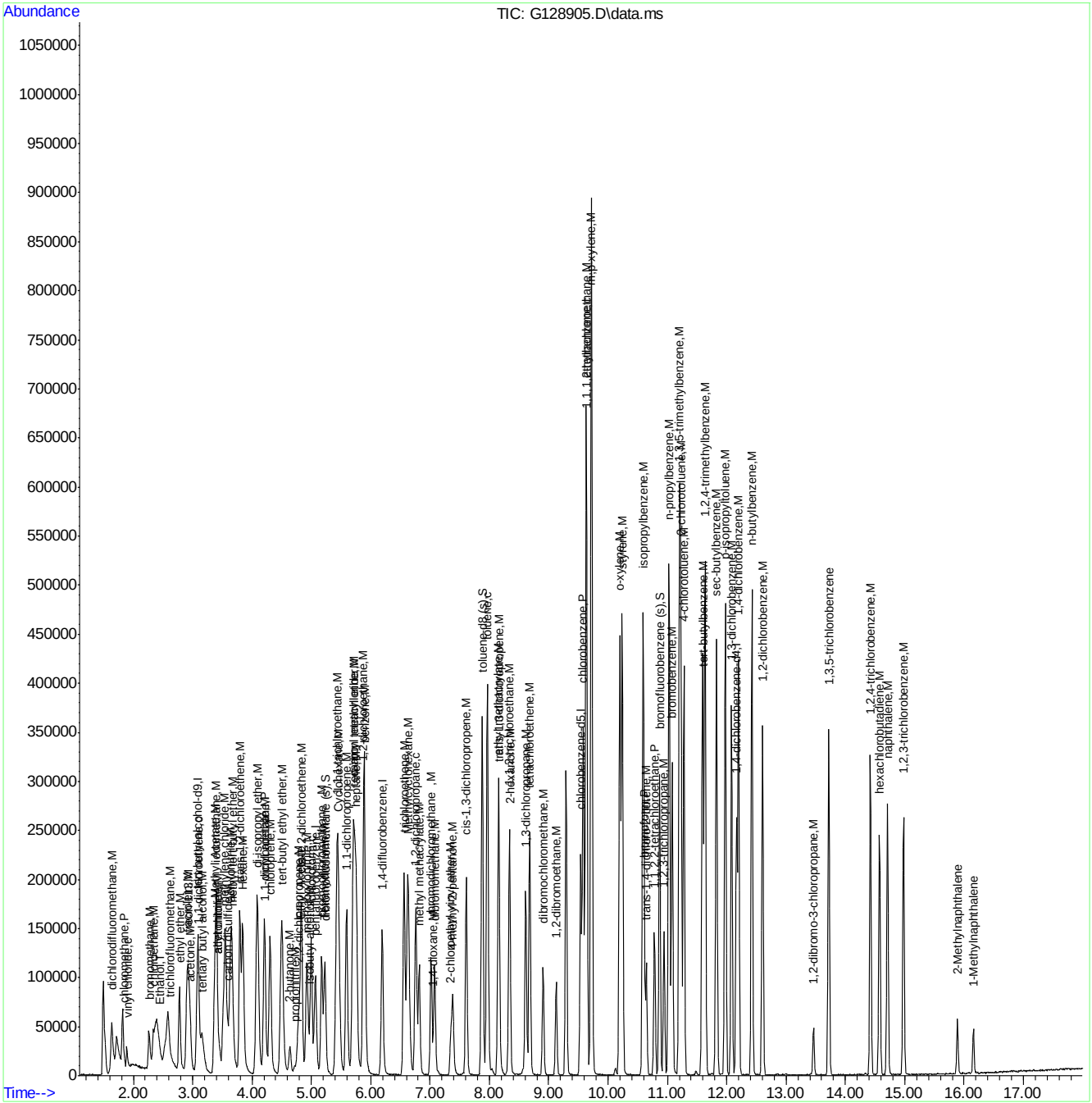
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.082	146	173213	48.51	ppb		93
94)	p-isopropyltoluene	11.976	119	328302	50.94	ppb		96
95)	1,4-dichlorobenzene	12.199	146	188948	47.90	ppb		98
96)	1,2-dichlorobenzene	12.605	146	166472	48.85	ppb		96
97)	n-butylbenzene	12.425	91	324120	51.45	ppb		92
98)	1,2-dibromo-3-chloropr...	13.463	75	13325	55.91	ppb	#	68
99)	1,3,5-trichlorobenzene	13.720	180	125327	50.32	ug/L		99
100)	1,2,4-trichlorobenzene	14.423	180	109827	55.30	ppb		98
101)	hexachlorobutadiene	14.576	225	56588	52.12	ppb		100
102)	naphthalene	14.710	128	247500	56.25	ppb		100
103)	2-Methylnaphthalene	15.890	142	29528	28.19	ug/L		97
104)	1-Methylnaphthalene	16.158	142	22591	31.45	ug/L		95
105)	1,2,3-trichlorobenzene	14.980	180	90010	52.39	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128905.D
Acq On : 29 Jun 2013 2:39 am
Operator : jaimem
Sample : icc5050-50
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 29 07:38:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:37:39 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
07/01/13 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128906.D
Acq On : 29 Jun 2013 3:07 am
Operator : jaimem
Sample : ic5050-100
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 29 07:39:47 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:38:58 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.088	65	40779	500.00	ppb		0.00
4) pentafluorobenzene	5.073	168	95470	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.197	114	160857	50.00	ppb		0.00
66) chlorobenzene-d5	9.540	82	82281	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.164	152	75633	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.233	113	150564	100.60	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 201.20%#				
60) toluene-d8 (s)	7.880	98	608396	91.73	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 183.46%#				
82) bromofluorobenzene (s)	10.869	95	240676	85.26	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 170.52%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.162	59	123597	985.29	ppb		96
3) Ethanol	2.452	45	118985	9648.38	ppb		97
5) dichlorodifluoromethane	1.647	85	138610m	88.06	ppb		
6) chloromethane	1.827	50	124734	91.03	ppb		98
7) vinyl chloride	1.918	62	37048	94.27	ppb		98
8) bromomethane	2.285	96	67712	85.86	ppb		97
9) chloroethane	2.337	64	63409	93.40	ppb		83
10) ethyl ether	2.788	59	127206	98.34	ppb		78
11) acetonitrile	3.419	41	248033	96.02	ppb		97
12) trichlorofluoromethane	2.614	101	215488	101.35	ppb		97
13) freon-113	2.934	101	160601	96.85	ppb		89
14) acrolein	2.909	56	69705	498.75	ppb		97
15) 1,1-dichloroethene	3.100	96	152498	91.20	ppb		93
16) acetone	2.965	58	23159	89.06	ppb	#	79
17) Methyl Acetate	3.376	43	177325	92.18	ppb	#	87
18) methylene chloride	3.536	84	172119	83.54	ppb	#	83
19) methyl tert butyl ether	3.665	73	441752	96.86	ppb		93
20) acrylonitrile	3.638	53	60854	98.82	ppb		97
21) allyl chloride	3.419	41	248253	95.30	ppb		85
22) trans-1,2-dichloroethene	3.802	96	158543	93.45	ppb		94
23) iodomethane	3.387	142	269252	95.87	ppb		89
24) carbon disulfide	3.600	76	481426	104.99	ppb		100
25) propionitrile	4.722	54	21910	98.44	ppb		100
26) vinyl acetate	4.209	43	265285	115.86	ppb		98
27) chloroprene	4.313	53	236649	97.71	ppb		80
28) di-isopropyl ether	4.096	45	550965	93.49	ppb		92
29) methacrylonitrile	4.931	41	115849	92.38	ppb		72
30) 2-butanone	4.642	72	20054	90.19	ppb	#	70
31) Ethyl Acetate	4.810	43	54760	86.72	ug/L	#	98
32) Hexane	3.849	41	140406	90.07	ppb		91
33) 1,1-dichloroethane	4.219	63	282922	93.88	ppb		98
34) tert-butyl ethyl ether	4.508	59	490264	95.95	ppb		93
35) isobutyl alcohol	4.958	43	34288	365.28	ppb		92
36) 2,2-dichloropropane	4.796	77	132159	93.88	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128906.D
Acq On : 29 Jun 2013 3:07 am
Operator : jaimem
Sample : ic5050-100
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 29 07:39:47 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:38:58 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.837	96	174771	92.86	ppb		90
38)	bromochloromethane	5.178	128	81236	99.50	ppb		91
39)	chloroform	5.003	83	276910	94.54	ppb		99
41)	Tetrahydrofuran	5.221	42	43113	98.18	ppb		81
42)	1,1,1-trichloroethane	5.436	97	228721	98.42	ppb		95
44)	Cyclohexane	5.451	56	300741	94.95	ppb	#	82
45)	carbon tetrachloride	5.713	117	207071	107.18	ppb		99
46)	1,1-dichloropropene	5.597	75	222448	95.80	ppb		96
47)	benzene	5.896	78	655437	88.62	ppb		98
48)	1,2-dichloroethane	5.877	62	207620	94.17	ppb		99
49)	tert-amyl methyl ether	5.721	73	454375	97.03	ppb		91
50)	heptane	5.743	43	353424	93.70	ppb		89
51)	trichloroethene	6.564	95	176391	90.99	ppb		85
52)	1,2-dichloropropane	6.761	63	175012	95.02	ppb		98
53)	dibromomethane	7.079	93	100372	98.59	ppb		89
54)	bromodichloromethane	7.020	83	201508	106.53	ppb		99
55)	Methylcyclohexane	6.632	83	278558	96.96	ppb	#	82
56)	2-chloroethyl vinyl ether	7.350	63	45522	122.57	ppb		95
57)	methyl methacrylate	6.819	69	108769	100.19	ppb	#	73
58)	1,4-dioxane	7.060	88	9124	530.27	ppb		85
59)	cis-1,3-dichloropropene	7.612	75	274175	100.66	ppb		95
61)	4-methyl-2-pentanone	7.380	43	175754	98.03	ppb		87
62)	toluene	7.967	92	421073	95.71	ppb		97
63)	trans-1,3-dichloropropene	8.164	75	223318	103.25	ppb		95
64)	1,1,2-trichloroethane	8.338	83	122692	95.75	ppb		89
65)	ethyl methacrylate	8.151	69	205521	99.53	ppb		76
67)	tetrachloroethene	8.680	166	165315	91.30	ppb		97
68)	1,3-dichloropropane	8.614	76	248035	99.67	ppb		97
69)	dibromochloromethane	8.907	129	149411	122.41	ppb		99
70)	1,2-dibromoethane	9.126	107	147907	100.50	ppb		97
71)	2-hexanone	8.345	43	112133	88.94	ppb		96
72)	chlorobenzene	9.582	112	444061	92.16	ppb		90
73)	1,1,1,2-tetrachloroethane	9.629	131	155206	102.90	ppb		97
74)	ethylbenzene	9.637	91	808761	91.06	ppb		95
75)	m,p-xylene	9.721	106	598791	182.70	ppb		93
76)	o-xylene	10.200	106	287938	93.50	ppb		90
77)	styrene	10.239	104	521686	95.69	ppb		92
78)	bromoform	10.613	173	85599	133.05	ppb		95
79)	trans-1,4-dichloro-2-b...	10.646	53	51609	112.14	ppb		86
81)	isopropylbenzene	10.591	105	732603	95.24	ppb		97
83)	bromobenzene	11.082	156	194525	95.25	ppb	#	81
84)	1,1,2,2-tetrachloroethane	10.784	83	178839	99.29	ppb		97
85)	1,2,3-trichloropropane	10.944	75	142725	97.91	ppb		98
86)	n-propylbenzene	11.031	91	865746	95.46	ppb		93
87)	2-chlorotoluene	11.225	91	601427	93.09	ppb		90
88)	4-chlorotoluene	11.279	91	525025	94.80	ppb		89
89)	1,3,5-trimethylbenzene	11.204	105	670198	96.01	ppb		98
90)	tert-butylbenzene	11.600	91	417365	94.53	ppb		85
91)	1,2,4-trimethylbenzene	11.635	105	675614	96.04	ppb		96
92)	sec-butylbenzene	11.827	105	747619	95.20	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128906.D
Acq On : 29 Jun 2013 3:07 am
Operator : jaimem
Sample : ic5050-100
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 29 07:39:47 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:38:58 2013
Response via : Initial Calibration

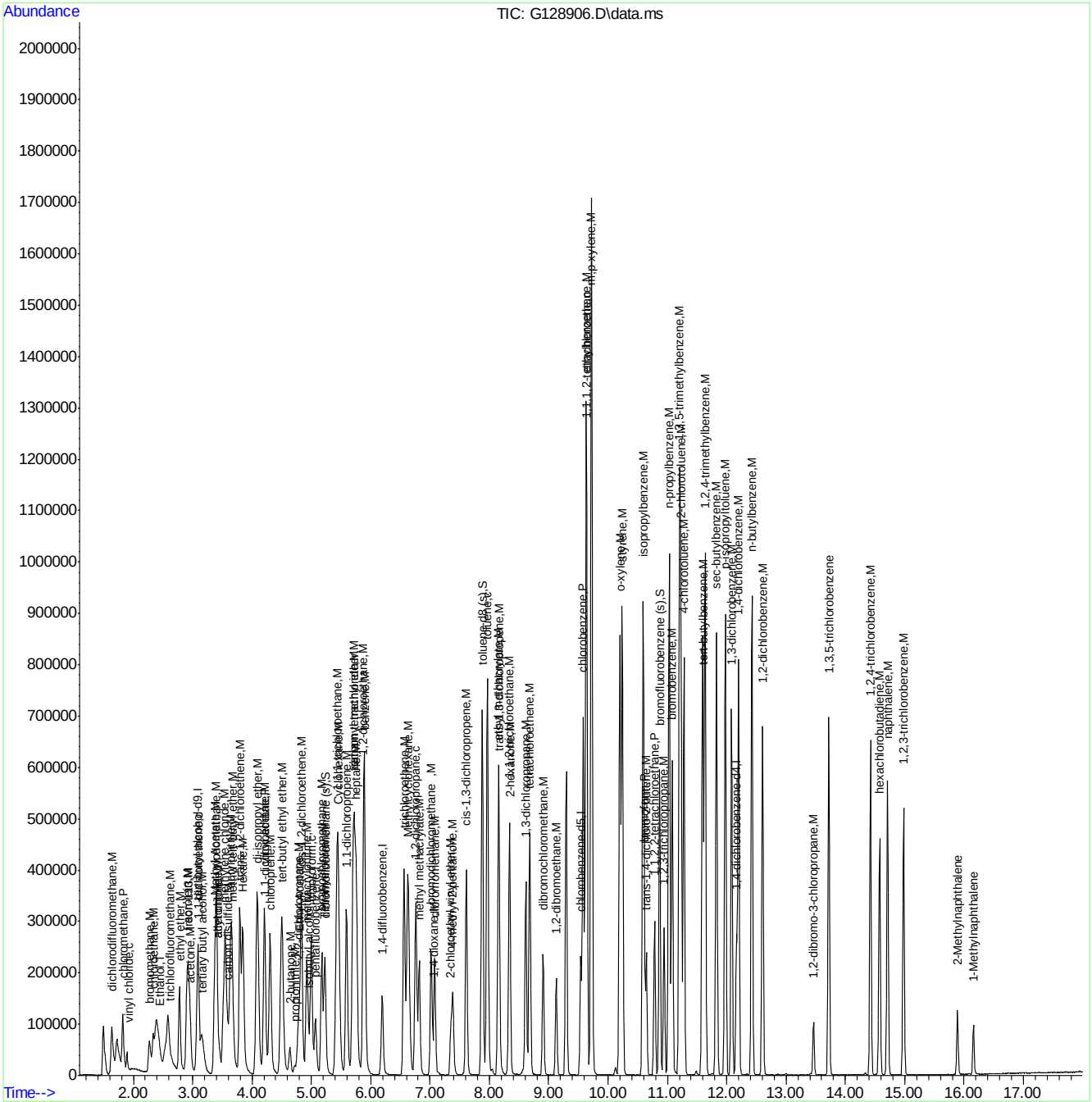
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.082	146	336214	92.24	ppb		94
94)	p-isopropyltoluene	11.976	119	630745	95.88	ppb		95
95)	1,4-dichlorobenzene	12.199	146	368280	91.47	ppb		96
96)	1,2-dichlorobenzene	12.604	146	324040	93.16	ppb		96
97)	n-butylbenzene	12.425	91	621025	96.57	ppb		93
98)	1,2-dibromo-3-chloropr...	13.462	75	28636	117.70	ppb	#	68
99)	1,3,5-trichlorobenzene	13.720	180	244059	96.01	ug/L		99
100)	1,2,4-trichlorobenzene	14.422	180	220021	108.54	ppb		99
101)	hexachlorobutadiene	14.576	225	105726	95.39	ppb		98
102)	naphthalene	14.710	128	503565	112.13	ppb		100
103)	2-Methylnaphthalene	15.890	142	65151	60.93	ug/L		99
104)	1-Methylnaphthalene	16.158	142	49204	67.11	ug/L		95
105)	1,2,3-trichlorobenzene	14.980	180	179143	102.14	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128906.D
Acq On : 29 Jun 2013 3:07 am
Operator : jaimem
Sample : ic5050-100
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 29 07:39:47 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:38:58 2013
Response via : Initial Calibration



G128907.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski 07/01/13 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128907.D
Acq On : 29 Jun 2013 3:36 am
Operator : jaimem
Sample : ic5050-200
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 29 07:40:58 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:40:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.094	65	43147	500.00	ppb		0.00
4) pentafluorobenzene	5.072	168	95884	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.197	114	161724	50.00	ppb		0.00
66) chlorobenzene-d5	9.540	82	83409	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.165	152	78837	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.233	113	296104	196.69	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 393.38%#				
60) toluene-d8 (s)	7.880	98	1171862	178.20	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 356.40%#				
82) bromofluorobenzene (s)	10.869	95	474645	165.37	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 330.74%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.167	59	252188	1909.42	ppb		95
3) Ethanol	2.453	45	232220	18008.11	ppb		97
5) dichlorodifluoromethane	1.648	85	276805m	179.38	ppb		
6) chloromethane	1.828	50	243034	180.65	ppb		95
7) vinyl chloride	1.914	62	68750	176.21	ppb		100
8) bromomethane	2.291	96	133224	173.10	ppb		98
9) chloroethane	2.336	64	122640	182.89	ppb		83
10) ethyl ether	2.787	59	251081	194.08	ppb		79
11) acetonitrile	3.421	41	475400	185.09	ppb		97
12) trichlorofluoromethane	2.614	101	422632	197.39	ppb		96
13) freon-113	2.941	101	308939	186.98	ppb		92
14) acrolein	2.907	56	132917	947.73	ppb		98
15) 1,1-dichloroethene	3.109	96	295012	178.81	ppb		95
16) acetone	2.966	58	42298	166.51	ppb	#	79
17) Methyl Acetate	3.375	43	335961	177.36	ppb	#	84
18) methylene chloride	3.537	84	335240	167.53	ppb	#	81
19) methyl tert butyl ether	3.665	73	873777	191.97	ppb		92
20) acrylonitrile	3.638	53	117457	190.66	ppb		96
21) allyl chloride	3.421	41	477027	184.50	ppb		84
22) trans-1,2-dichloroethene	3.802	96	306102	182.03	ppb		94
23) iodomethane	3.387	142	520169	186.34	ppb		91
24) carbon disulfide	3.599	76	953533	204.50	ppb		99
25) propionitrile	4.722	54	43286	194.39	ppb		100
26) vinyl acetate	4.209	43	515685	215.70	ppb		99
27) chloroprene	4.313	53	451251	186.58	ppb		82
28) di-isopropyl ether	4.095	45	1079825	184.84	ppb		92
29) methacrylonitrile	4.932	41	226369	183.23	ppb		70
30) 2-butanone	4.641	72	39405	180.89	ppb	#	71
31) Ethyl Acetate	4.810	43	108387	176.77	ug/L	#	97
32) Hexane	3.848	41	268641	175.95	ppb		91
33) 1,1-dichloroethane	4.219	63	544102	181.99	ppb		97
34) tert-butyl ethyl ether	4.508	59	966582	189.89	ppb		93
35) isobutyl alcohol	4.964	43	72759	827.52	ppb		79
36) 2,2-dichloropropane	4.796	77	241342	173.35	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128907.D
Acq On : 29 Jun 2013 3:36 am
Operator : jaimem
Sample : ic5050-200
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 29 07:40:58 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:40:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.836	96	339074	181.98	ppb		92
38) bromochloromethane	5.178	128	159001	194.15	ppb		91
39) chloroform	5.002	83	535121	183.91	ppb		100
41) Tetrahydrofuran	5.220	42	82512	188.24	ppb		86
42) 1,1,1-trichloroethane	5.437	97	442860	190.35	ppb		94
44) Cyclohexane	5.452	56	572879	182.20	ppb		87
45) carbon tetrachloride	5.713	117	406990	206.56	ppb		100
46) 1,1-dichloropropene	5.597	75	431517	186.81	ppb		95
47) benzene	5.897	78	1257977	172.44	ppb		97
48) 1,2-dichloroethane	5.877	62	408032	186.25	ppb		100
49) tert-amyl methyl ether	5.724	73	918868	196.62	ppb		91
50) heptane	5.743	43	677008	181.38	ppb		88
51) trichloroethene	6.564	95	341627	177.95	ppb		86
52) 1,2-dichloropropane	6.761	63	342116	186.61	ppb		98
53) dibromomethane	7.079	93	197038	193.42	ppb		89
54) bromodichloromethane	7.020	83	407949	211.75	ppb		98
55) Methylcyclohexane	6.634	83	541785	189.01	ppb	#	84
56) 2-chloroethyl vinyl ether	7.350	63	99757	252.89	ppb		95
57) methyl methacrylate	6.819	69	212153	194.28	ppb	#	74
58) 1,4-dioxane	7.060	88	18052	1022.88	ppb		69
59) cis-1,3-dichloropropene	7.612	75	546290	199.22	ppb		93
61) 4-methyl-2-pentanone	7.379	43	353647	197.16	ppb		88
62) toluene	7.967	92	804735	183.90	ppb		97
63) trans-1,3-dichloropropene	8.164	75	443942	202.84	ppb		96
64) 1,1,2-trichloroethane	8.338	83	240223	188.06	ppb		91
65) ethyl methacrylate	8.151	69	405792	195.69	ppb		76
67) tetrachloroethene	8.681	166	316306	174.87	ppb		95
68) 1,3-dichloropropane	8.614	76	481577	191.05	ppb		99
69) dibromochloromethane	8.907	129	309173	239.16	ppb		99
70) 1,2-dibromoethane	9.126	107	292511	195.87	ppb		98
71) 2-hexanone	8.345	43	217357	174.90	ppb		95
72) chlorobenzene	9.583	112	861399	179.17	ppb		92
73) 1,1,1,2-tetrachloroethane	9.629	131	301617	195.84	ppb		99
74) ethylbenzene	9.638	91	1535895	173.69	ppb		95
75) m,p-xylene	9.722	106	1119730	342.96	ppb		89
76) o-xylene	10.201	106	555104	180.16	ppb		91
77) styrene	10.239	104	1012854	185.27	ppb		91
78) bromoform	10.613	173	182965	263.15	ppb		97
79) trans-1,4-dichloro-2-b...	10.646	53	105835	220.17	ppb		78
81) isopropylbenzene	10.592	105	1398153	176.48	ppb		97
83) bromobenzene	11.083	156	377100	179.27	ppb	#	82
84) 1,1,2,2-tetrachloroethane	10.784	83	362155	193.17	ppb		94
85) 1,2,3-trichloropropane	10.944	75	288573	190.91	ppb		97
86) n-propylbenzene	11.031	91	1654610	177.04	ppb		94
87) 2-chlorotoluene	11.226	91	1158865	175.11	ppb		89
88) 4-chlorotoluene	11.280	91	1024211	179.75	ppb		89
89) 1,3,5-trimethylbenzene	11.205	105	1291159	179.23	ppb		97
90) tert-butylbenzene	11.600	91	804427	177.21	ppb		84
91) 1,2,4-trimethylbenzene	11.636	105	1304510	179.69	ppb		95
92) sec-butylbenzene	11.827	105	1446018	178.79	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128907.D
Acq On : 29 Jun 2013 3:36 am
Operator : jaimem
Sample : ic5050-200
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 29 07:40:58 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:40:34 2013
Response via : Initial Calibration

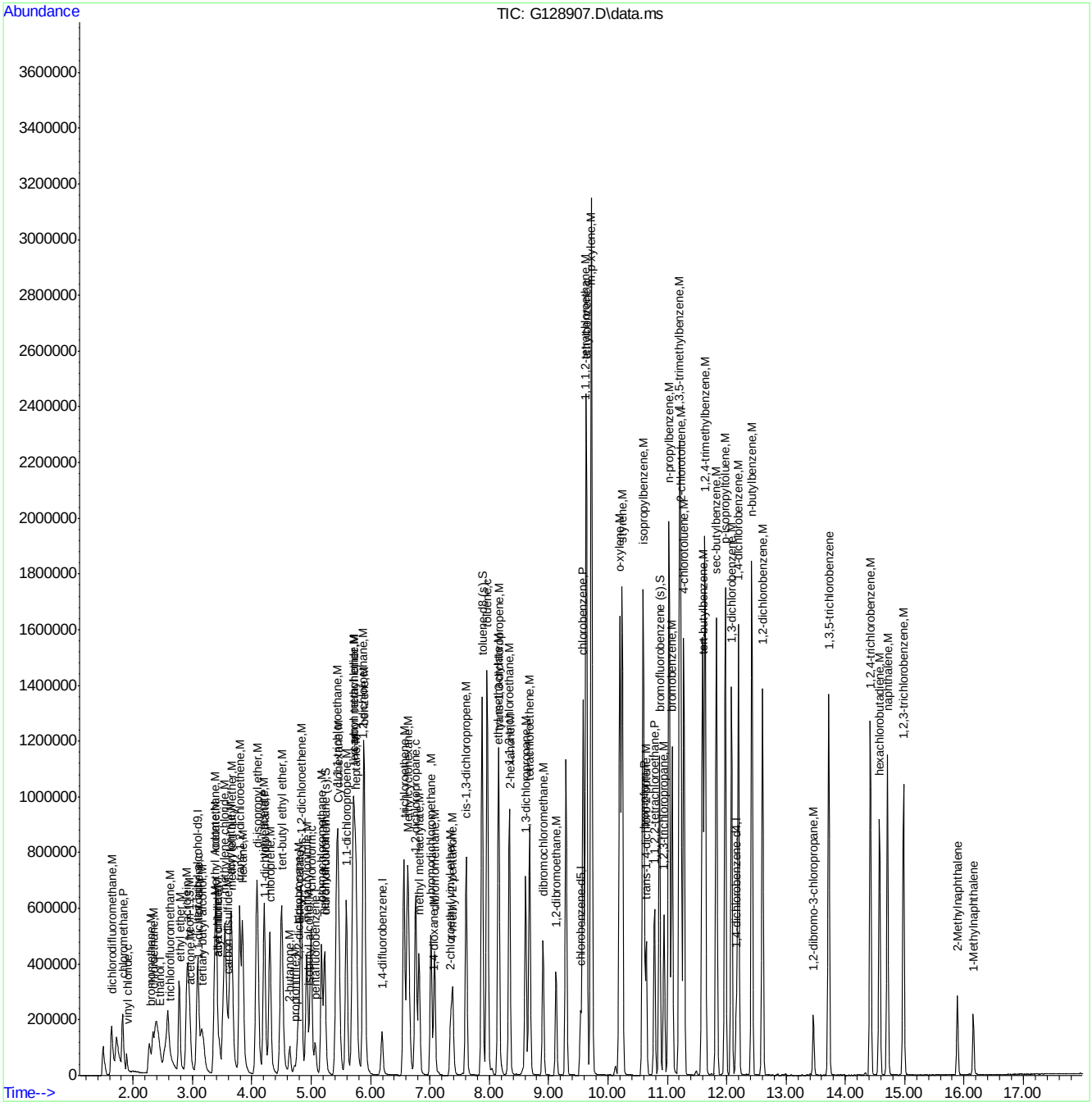
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.083	146	660384	176.56	ppb		94
94) p-isopropyltoluene	11.977	119	1224030	180.36	ppb		95
95) 1,4-dichlorobenzene	12.200	146	728595	176.62	ppb		97
96) 1,2-dichlorobenzene	12.605	146	646376	180.76	ppb		95
97) n-butylbenzene	12.425	91	1226357	184.53	ppb		93
98) 1,2-dibromo-3-chloropr...	13.463	75	61128	230.83	ppb	#	70
99) 1,3,5-trichlorobenzene	13.720	180	491365	187.94	ug/L		100
100) 1,2,4-trichlorobenzene	14.423	180	448183	207.68	ppb		99
101) hexachlorobutadiene	14.576	225	211910	185.57	ppb		98
102) naphthalene	14.711	128	1025007	212.52	ppb		100
103) 2-Methylnaphthalene	15.890	142	153304	128.20	ug/L		98
104) 1-Methylnaphthalene	16.158	142	111257	134.10	ug/L		96
105) 1,2,3-trichlorobenzene	14.980	180	367846	199.79	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128907.D
Acq On : 29 Jun 2013 3:36 am
Operator : jaimem
Sample : ic5050-200
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 29 07:40:58 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:40:34 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
07/01/13 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128908.D
Acq On : 29 Jun 2013 4:04 am
Operator : jaimem
Sample : ic5050-400
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jun 29 07:42:00 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:41:42 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.100	65	42150	500.00	ppb		0.00
4) pentafluorobenzene	5.073	168	93428	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.197	114	162109	50.00	ppb		0.00
66) chlorobenzene-d5	9.541	82	82968	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.165	152	77946	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.233	113	590853	404.14	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 808.28%#				
60) toluene-d8 (s)	7.881	98	2315714	356.85	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 713.70%#				
82) bromofluorobenzene (s)	10.870	95	943843	341.04	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 682.08%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.173	59	507711	3980.08	ppb		98
3) Ethanol	2.458	45	456264	37143.94	ppb		98
5) dichlorodifluoromethane	1.646	85	535424m	362.33	ppb		
6) chloromethane	1.831	50	477136	371.16	ppb		98
7) vinyl chloride	1.913	62	135442	363.47	ppb		98
8) bromomethane	2.293	96	263308	359.16	ppb		98
9) chloroethane	2.336	64	237678	370.09	ppb		83
10) ethyl ether	2.787	59	485290	387.27	ppb		79
11) acetonitrile	3.424	41	931457	377.81	ppb		96
12) trichlorofluoromethane	2.616	101	856954	411.66	ppb		99
13) freon-113	2.941	101	620957	390.79	ppb		89
14) acrolein	2.907	56	271868	2015.78	ppb		98
15) 1,1-dichloroethene	3.118	96	600347	380.15	ppb		95
16) acetone	2.967	58	63494	265.41	ppb	#	82
17) Methyl Acetate	3.375	43	621544	344.55	ppb	#	83
18) methylene chloride	3.538	84	651808	343.59	ppb		83
19) methyl tert butyl ether	3.665	73	1719066	390.22	ppb		92
20) acrylonitrile	3.638	53	230436	388.42	ppb		93
21) allyl chloride	3.424	41	940664	379.27	ppb		82
22) trans-1,2-dichloroethene	3.803	96	608638	377.11	ppb		95
23) iodomethane	3.388	142	1002960	373.84	ppb		89
24) carbon disulfide	3.602	76	1964830	430.53	ppb		98
25) propionitrile	4.723	54	85600	396.75	ppb		100
26) vinyl acetate	4.209	43	1214822	513.43	ppb		98
27) chloroprene	4.312	53	914033	393.13	ppb		80
28) di-isopropyl ether	4.095	45	2104522	374.44	ppb		91
29) methacrylonitrile	4.934	41	443363	374.58	ppb		69
30) 2-butanone	4.645	72	67718	325.26	ppb	#	66
31) Ethyl Acetate	4.810	43	209682	359.31	ug/L		98
32) Hexane	3.848	41	532889	367.03	ppb	#	92
33) 1,1-dichloroethane	4.220	63	1076988	375.33	ppb		98
34) tert-butyl ethyl ether	4.508	59	1914084	389.20	ppb		94
35) isobutyl alcohol	4.968	43	141223	1707.31	ppb		78
36) 2,2-dichloropropane	4.796	77	443451	335.85	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128908.D
Acq On : 29 Jun 2013 4:04 am
Operator : jaimem
Sample : ic5050-400
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jun 29 07:42:00 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:41:42 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.836	96	664603	371.66	ppb		91
38)	bromochloromethane	5.178	128	311536	392.70	ppb		91
39)	chloroform	5.003	83	1058595	378.45	ppb		100
41)	Tetrahydrofuran	5.218	42	158532	376.71	ppb		84
42)	1,1,1-trichloroethane	5.439	97	896413	398.62	ppb		94
44)	Cyclohexane	5.452	56	1124930	363.39	ppb	#	83
45)	carbon tetrachloride	5.714	117	836280	421.12	ppb		99
46)	1,1-dichloropropene	5.597	75	863235	377.80	ppb		94
47)	benzene	5.897	78	2463656	343.68	ppb		98
48)	1,2-dichloroethane	5.878	62	802998	369.90	ppb		100
49)	tert-amyl methyl ether	5.726	73	1791276	383.69	ppb		93
50)	heptane	5.744	43	1309298	356.59	ppb		89
51)	trichloroethene	6.564	95	672104	354.85	ppb		85
52)	1,2-dichloropropane	6.761	63	673561	370.66	ppb		98
53)	dibromomethane	7.079	93	387678	382.80	ppb		89
54)	bromodichloromethane	7.020	83	830063	425.66	ppb		99
55)	Methylcyclohexane	6.636	83	1085503	381.99	ppb	#	83
56)	2-chloroethyl vinyl ether	7.351	63	211416	507.82	ppb		95
57)	methyl methacrylate	6.820	69	425217	390.70	ppb	#	73
58)	1,4-dioxane	7.062	88	35638	2003.11	ppb		72
59)	cis-1,3-dichloropropene	7.612	75	1087366	395.85	ppb		93
61)	4-methyl-2-pentanone	7.379	43	702377	391.76	ppb		88
62)	toluene	7.968	92	1572894	364.46	ppb		97
63)	trans-1,3-dichloropropene	8.164	75	877843	399.20	ppb		95
64)	1,1,2-trichloroethane	8.339	83	466925	368.33	ppb		90
65)	ethyl methacrylate	8.152	69	788544	381.01	ppb		76
67)	tetrachloroethene	8.681	166	619821	350.78	ppb		96
68)	1,3-dichloropropane	8.614	76	944169	379.96	ppb		98
69)	dibromochloromethane	8.907	129	639757	481.79	ppb		97
70)	1,2-dibromoethane	9.127	107	582525	393.50	ppb		97
71)	2-hexanone	8.346	43	371874	308.57	ppb		94
72)	chlorobenzene	9.583	112	1672951	355.99	ppb		91
73)	1,1,1,2-tetrachloroethane	9.630	131	571924	374.89	ppb		99
74)	ethylbenzene	9.639	91	2935720	341.24	ppb		94
75)	m,p-xylene	9.724	106	2058500	649.28	ppb		85
76)	o-xylene	10.202	106	1073200	356.05	ppb		87
77)	styrene	10.240	104	1946047	363.20	ppb		89
78)	bromoform	10.614	173	374681	514.67	ppb		97
79)	trans-1,4-dichloro-2-b...	10.647	53	215300	441.37	ppb		77
81)	isopropylbenzene	10.592	105	2735303	357.61	ppb		96
83)	bromobenzene	11.083	156	727268	357.09	ppb		91
84)	1,1,2,2-tetrachloroethane	10.785	83	727643	394.81	ppb		94
85)	1,2,3-trichloropropane	10.945	75	563781	380.71	ppb		97
86)	n-propylbenzene	11.033	91	3229693	357.74	ppb		92
87)	2-chlorotoluene	11.228	91	2245865	352.00	ppb		87
88)	4-chlorotoluene	11.281	91	2018484	365.70	ppb		87
89)	1,3,5-trimethylbenzene	11.207	105	2490908	357.15	ppb		95
90)	tert-butylbenzene	11.602	91	1598134	364.39	ppb		81
91)	1,2,4-trimethylbenzene	11.637	105	2572737	365.86	ppb		94
92)	sec-butylbenzene	11.828	105	2863472	365.86	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128908.D
Acq On : 29 Jun 2013 4:04 am
Operator : jaimem
Sample : ic5050-400
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jun 29 07:42:00 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:41:42 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.084	146	1292091	356.36	ppb		94
94) p-isopropyltoluene	11.978	119	2426142	368.81	ppb		94
95) 1,4-dichlorobenzene	12.201	146	1402012	350.58	ppb		96
96) 1,2-dichlorobenzene	12.606	146	1257049	361.34	ppb		95
97) n-butylbenzene	12.426	91	2429978	375.63	ppb		91
98) 1,2-dibromo-3-chloropr...	13.463	75	128447	475.91	ppb	#	71
99) 1,3,5-trichlorobenzene	13.721	180	945872	371.52	ug/L		100
100) 1,2,4-trichlorobenzene	14.424	180	854541	397.45	ppb		99
101) hexachlorobutadiene	14.577	225	400238	359.68	ppb		99
102) naphthalene	14.711	128	2024582	419.31	ppb		100
103) 2-Methylnaphthalene	15.890	142	328853	259.83	ug/L		98
104) 1-Methylnaphthalene	16.159	142	234578	267.71	ug/L		96
105) 1,2,3-trichlorobenzene	14.981	180	708453	389.28	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

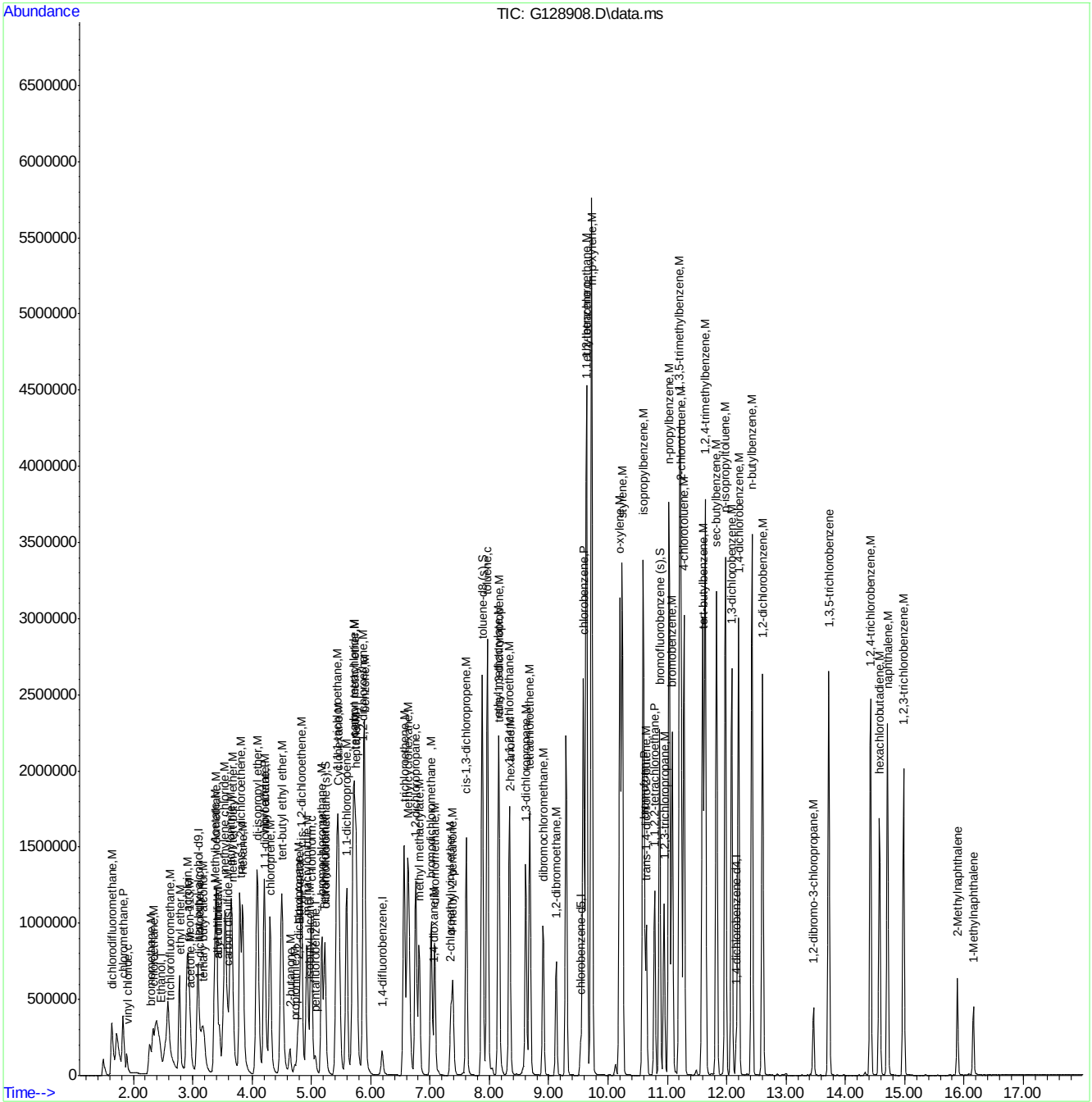
7.6.8

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128908.D
Acq On : 29 Jun 2013 4:04 am
Operator : jaimem
Sample : ic5050-400
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jun 29 07:42:00 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:41:42 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
07/01/13 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128911.D
Acq On : 29 Jun 2013 5:28 am
Operator : jaimem
Sample : bs
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 29 09:05:33 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.085	65	39788	500.00	ppb		0.00
4) pentafluorobenzene	5.073	168	94032	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.197	114	159455	50.00	ppb		0.00
66) chlorobenzene-d5	9.540	82	81230	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.163	152	74884	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.233	113	73169	49.64	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.28%				
60) toluene-d8 (s)	7.880	98	300318	47.69	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.38%				
82) bromofluorobenzene (s)	10.869	95	118315	47.76	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.52%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.161	59	62001	515.41	ppb		94
3) Ethanol	2.447	45	48186	4215.85	ppb		98
5) dichlorodifluoromethane	1.648	85	93879m	63.98	ppb		
6) chloromethane	1.828	50	81694	63.91	ppb		95
7) vinyl chloride	1.919	62	20159	54.46	ppb		82
8) bromomethane	2.282	96	39187	53.89	ppb		99
9) chloroethane	2.340	64	37109	58.14	ppb		88
10) ethyl ether	2.789	59	62124	49.52	ppb		79
11) acetonitrile	3.420	41	122491	49.83	ppb		96
12) trichlorofluoromethane	2.610	101	113745	54.06	ppb		100
13) freon-113	2.932	101	87244	54.76	ppb		87
14) acrolein	2.909	56	60130	442.28	ppb		98
15) 1,1-dichloroethene	3.099	96	85216	54.00	ppb		93
16) acetone	2.965	58	13882	57.61	ppb		92
17) Methyl Acetate	3.376	43	92006	51.87	ppb	#	81
18) methylene chloride	3.537	84	89251	47.71	ppb	#	79
19) methyl tert butyl ether	3.665	73	212487	48.09	ppb		93
20) acrylonitrile	3.637	53	28763	48.45	ppb		91
21) allyl chloride	3.420	41	122491	49.50	ppb		85
22) trans-1,2-dichloroethene	3.802	96	80430	49.92	ppb		96
23) iodomethane	3.389	142	138431	51.83	ppb		92
24) carbon disulfide	3.599	76	246209	52.93	ppb		100
25) propionitrile	4.722	54	9988	46.06	ppb		100
26) vinyl acetate	4.213	43	52717	27.88	ppb		96
27) chloroprene	4.310	53	123862	53.08	ppb		80
28) di-isopropyl ether	4.096	45	258175	46.06	ppb		91
29) methacrylonitrile	4.935	41	56507	47.94	ppb		75
30) 2-butanone	4.642	72	11606	57.17	ppb	#	62
31) Ethyl Acetate	4.813	43	31188	54.02	ug/L	#	99
32) Hexane	3.850	41	73708	51.14	ppb	#	92
33) 1,1-dichloroethane	4.219	63	145634	50.88	ppb		97
34) tert-butyl ethyl ether	4.508	59	239491	48.57	ppb		93
35) isobutyl alcohol	4.967	43	19457	262.99	ppb	#	69
36) 2,2-dichloropropane	4.794	77	63247	48.90	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128911.D
Acq On : 29 Jun 2013 5:28 am
Operator : jaimem
Sample : bs
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 29 09:05:33 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.837	96	86329	48.46	ppb		91
38)	bromochloromethane	5.178	128	40165	50.46	ppb		90
39)	chloroform	5.003	83	136942	49.02	ppb		100
41)	Tetrahydrofuran	5.223	42	19875	47.48	ppb		89
42)	1,1,1-trichloroethane	5.436	97	115396	51.01	ppb		93
44)	Cyclohexane	5.451	56	145619	48.56	ppb	#	82
45)	carbon tetrachloride	5.713	117	102353	52.01	ppb		95
46)	1,1-dichloropropene	5.597	75	116574	52.35	ppb		96
47)	benzene	5.896	78	330911	47.77	ppb		97
48)	1,2-dichloroethane	5.877	62	103468	48.98	ppb		99
49)	tert-amyl methyl ether	5.726	73	224654	49.26	ppb		93
50)	heptane	5.745	43	170872	48.18	ppb		89
51)	trichloroethene	6.564	95	92231	50.21	ppb		82
52)	1,2-dichloropropane	6.761	63	85932	48.58	ppb		99
53)	dibromomethane	7.078	93	49427	50.05	ppb		87
54)	bromodichloromethane	7.020	83	96472	49.84	ppb		98
55)	Methylcyclohexane	6.632	83	140395	50.61	ppb	#	81
56)	2-chloroethyl vinyl ether	7.350	63	15122	37.35	ppb		94
57)	methyl methacrylate	6.819	69	50768	47.61	ppb	#	70
58)	1,4-dioxane	7.059	88	3781	215.99	ppb		76
59)	cis-1,3-dichloropropene	7.612	75	127352	47.20	ppb		95
61)	4-methyl-2-pentanone	7.382	43	80898	46.03	ppb		86
62)	toluene	7.967	92	212537	50.82	ppb		96
63)	trans-1,3-dichloropropene	8.164	75	111558	51.59	ppb		96
64)	1,1,2-trichloroethane	8.337	83	60613	49.17	ppb		91
65)	ethyl methacrylate	8.151	69	98328	48.69	ppb		80
67)	tetrachloroethene	8.680	166	86258	50.64	ppb		96
68)	1,3-dichloropropane	8.613	76	119125	49.38	ppb		98
69)	dibromochloromethane	8.906	129	69036	48.00	ppb		99
70)	1,2-dibromoethane	9.126	107	73451	50.80	ppb		97
71)	2-hexanone	8.345	43	67269	59.27	ppb		96
72)	chlorobenzene	9.582	112	236339	52.19	ppb		93
73)	1,1,1,2-tetrachloroethane	9.628	131	75491	51.08	ppb		99
74)	ethylbenzene	9.637	91	408491	49.54	ppb		95
75)	m,p-xylene	9.721	106	313318	103.73	ppb		91
76)	o-xylene	10.200	106	153970	53.01	ppb		96
77)	styrene	10.238	104	257877	49.92	ppb		91
78)	bromoform	10.613	173	37849	46.02	ppb		100
79)	trans-1,4-dichloro-2-b...	10.645	53	22540	46.40	ppb		84
81)	isopropylbenzene	10.591	105	395189	54.75	ppb		98
83)	bromobenzene	11.082	156	97535	50.76	ppb		85
84)	1,1,2,2-tetrachloroethane	10.783	83	83107	47.02	ppb		95
85)	1,2,3-trichloropropane	10.943	75	70612	50.03	ppb		96
86)	n-propylbenzene	11.031	91	460940	54.10	ppb		94
87)	2-chlorotoluene	11.225	91	317960	52.93	ppb		92
88)	4-chlorotoluene	11.279	91	283202	54.18	ppb		90
89)	1,3,5-trimethylbenzene	11.204	105	325875	49.52	ppb		97
90)	tert-butylbenzene	11.599	91	219275	52.83	ppb		83
91)	1,2,4-trimethylbenzene	11.634	105	328477	49.32	ppb		97
92)	sec-butylbenzene	11.826	105	403365	54.42	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128911.D
Acq On : 29 Jun 2013 5:28 am
Operator : jaimem
Sample : bs
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 29 09:05:33 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

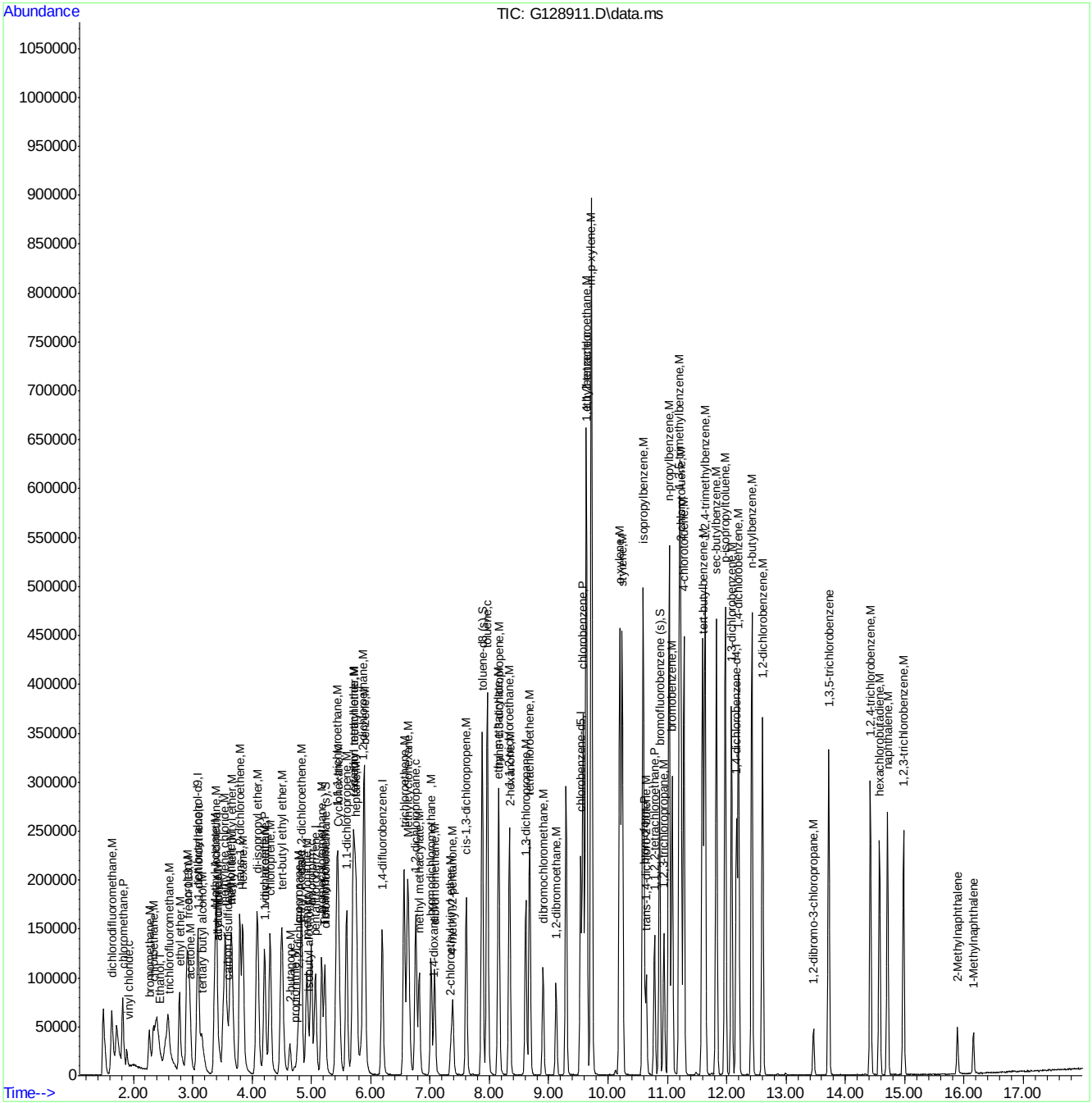
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.082	146	177773	51.84	ppb		95
94)	p-isopropyltoluene	11.976	119	330800	53.03	ppb		95
95)	1,4-dichlorobenzene	12.198	146	184749	48.95	ppb		98
96)	1,2-dichlorobenzene	12.604	146	172556	52.35	ppb		97
97)	n-butylbenzene	12.424	91	311150	50.58	ppb		92
98)	1,2-dibromo-3-chloropr...	13.462	75	13253	49.54	ppb	#	66
99)	1,3,5-trichlorobenzene	13.720	180	118887	49.31	ug/L		100
100)	1,2,4-trichlorobenzene	14.422	180	105884	51.31	ppb		97
101)	hexachlorobutadiene	14.575	225	54505	51.86	ppb		98
102)	naphthalene	14.710	128	236714	50.62	ppb		100
103)	2-Methylnaphthalene	15.890	142	26091	23.87	ug/L		98
104)	1-Methylnaphthalene	16.158	142	21433	23.55	ug/L		96
105)	1,2,3-trichlorobenzene	14.980	180	85370	49.09	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128911.D
Acq On : 29 Jun 2013 5:28 am
Operator : jaimem
Sample : bs
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 29 09:05:33 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/14/13 09:24

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130425.D
Acq On : 13 Aug 2013 9:06 am
Operator : jaimem
Sample : cc5050-50
Misc : MS29638,MSG5087,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 13 09:53:54 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.081	65	35088	500.00	ppb		0.00
4) pentafluorobenzene	5.074	168	84590	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.197	114	139065	50.00	ppb		0.00
66) chlorobenzene-d5	9.539	82	67305	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	65361	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.233	113	65165	49.14	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.28%				
60) toluene-d8 (s)	7.879	98	255278	46.48	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.96%				
82) bromofluorobenzene (s)	10.868	95	102540	47.42	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.84%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.155	59	54454	513.31	ppb		93
3) Ethanol	2.434	45	43081	4274.08	ppb		98
5) dichlorodifluoromethane	1.646	85	69214m	52.44	ppb		
6) chloromethane	1.827	50	48640	42.30	ppb		95
7) vinyl chloride	1.922	62	17083	51.30	ppb		88
8) bromomethane	2.289	96	34559	52.84	ppb		94
9) chloroethane	2.365	64	26837	46.74	ppb		95
10) ethyl ether	2.786	59	48844	43.28	ppb		79
11) acetonitrile	3.428	41	83846	37.91	ppb		89
12) trichlorofluoromethane	2.614	101	100697m	53.20	ppb		
13) freon-113	3.003	101	71841m	50.13	ppb		
14) acrolein	2.907	56	25514	208.61	ppb		99
15) 1,1-dichloroethene	3.133	96	66686	46.97	ppb		92
16) acetone	2.964	58	9006	40.79	ppb	#	83
17) Methyl Acetate	3.376	43	67538	42.33	ppb	#	77
18) methylene chloride	3.555	84	70827	42.08	ppb	#	80
19) methyl tert butyl ether	3.665	73	175685	44.20	ppb		91
20) acrylonitrile	3.637	53	22784	42.66	ppb		89
21) allyl chloride	3.428	41	83846	37.66	ppb		69
22) trans-1,2-dichloroethene	3.808	96	65182	44.97	ppb		90
23) iodomethane	3.408	142	94298	39.25	ppb		90
24) carbon disulfide	3.605	76	197232	47.13	ppb		99
25) propionitrile	4.720	54	8450	43.32	ppb		100
26) vinyl acetate	4.210	43	122946	55.45	ppb		94
27) chloroprene	4.311	53	84937	40.46	ppb		81
28) di-isopropyl ether	4.095	45	196529	38.98	ppb		91
29) methacrylonitrile	4.931	41	43546	41.07	ppb		75
30) 2-butanone	4.640	72	8436	46.19	ppb	#	51
31) Ethyl Acetate	4.810	43	12363	23.80	ug/L	#	98
32) Hexane	3.853	41	60059	46.32	ppb	#	84
33) 1,1-dichloroethane	4.221	63	101801	39.53	ppb		96
34) tert-butyl ethyl ether	4.508	59	185026	41.71	ppb		91
35) isobutyl alcohol	4.953	43	13273	196.17	ppb		94
36) 2,2-dichloropropane	4.793	77	54255	46.63	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130425.D
Acq On : 13 Aug 2013 9:06 am
Operator : jaimem
Sample : cc5050-50
Misc : MS29638,MSG5087,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 13 09:53:54 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.837	96	71263	44.47	ppb		85
38)	bromochloromethane	5.178	128	31592	44.12	ppb	#	83
39)	chloroform	5.003	83	104390	41.54	ppb		98
41)	Tetrahydrofuran	5.219	42	16002	42.49	ppb		75
42)	1,1,1-trichloroethane	5.433	97	78820	38.73	ppb		93
44)	Cyclohexane	5.477	56	112009	42.83	ppb	#	81
45)	carbon tetrachloride	5.713	117	72723	42.37	ppb		99
46)	1,1-dichloropropene	5.597	75	91073	46.90	ppb		98
47)	benzene	5.897	78	263973	43.70	ppb		98
48)	1,2-dichloroethane	5.877	62	82436	44.75	ppb		96
49)	tert-amyl methyl ether	5.725	73	180527	45.38	ppb		90
50)	heptane	5.744	43	133843	43.28	ppb		83
51)	trichloroethene	6.564	95	72542	45.28	ppb		90
52)	1,2-dichloropropane	6.761	63	67934	44.04	ppb		98
53)	dibromomethane	7.078	93	38288	44.45	ppb		91
54)	bromodichloromethane	7.019	83	78209	46.33	ppb		99
55)	Methylcyclohexane	6.633	83	112876	46.65	ppb	#	81
56)	2-chloroethyl vinyl ether	7.350	63	11366	33.38	ppb		93
57)	methyl methacrylate	6.819	69	41946	45.10	ppb	#	68
58)	1,4-dioxane	7.053	88	3438	225.19	ppb		91
59)	cis-1,3-dichloropropene	7.612	75	110772	47.08	ppb		98
61)	4-methyl-2-pentanone	7.379	43	60329	39.36	ppb		79
62)	toluene	7.966	92	169879	46.58	ppb		97
63)	trans-1,3-dichloropropene	8.163	75	93119	49.38	ppb		96
64)	1,1,2-trichloroethane	8.337	83	51564	47.96	ppb		92
65)	ethyl methacrylate	8.150	69	79185	44.96	ppb	#	72
67)	tetrachloroethene	8.679	166	67902	48.11	ppb		96
68)	1,3-dichloropropane	8.613	76	100475	50.26	ppb		95
69)	dibromochloromethane	8.906	129	59504	49.77	ppb		95
70)	1,2-dibromoethane	9.125	107	61996	51.74	ppb		99
71)	2-hexanone	8.344	43	42656	45.36	ppb		93
72)	chlorobenzene	9.581	112	204413	54.48	ppb		94
73)	1,1,1,2-tetrachloroethane	9.628	131	64937	53.03	ppb		98
74)	ethylbenzene	9.636	91	332252	48.63	ppb		94
75)	m,p-xylene	9.720	106	261080	104.32	ppb		96
76)	o-xylene	10.199	106	129440	53.78	ppb		94
77)	styrene	10.238	104	210465	49.18	ppb		93
78)	bromoform	10.612	173	32376	47.35	ppb		97
79)	trans-1,4-dichloro-2-b...	10.644	53	20850	51.80	ppb		76
81)	isopropylbenzene	10.590	105	336811	53.46	ppb		99
83)	bromobenzene	11.081	156	82964	49.46	ppb		87
84)	1,1,2,2-tetrachloroethane	10.782	83	76220	49.41	ppb		93
85)	1,2,3-trichloropropane	10.942	75	59828	48.57	ppb		99
86)	n-propylbenzene	11.030	91	397242	53.41	ppb		94
87)	2-chlorotoluene	11.224	91	274009	52.26	ppb		93
88)	4-chlorotoluene	11.277	91	239284	52.45	ppb		90
89)	1,3,5-trimethylbenzene	11.203	105	278006	48.40	ppb		97
90)	tert-butylbenzene	11.598	91	184223	50.85	ppb		86
91)	1,2,4-trimethylbenzene	11.633	105	279287	48.05	ppb		97
92)	sec-butylbenzene	11.825	105	346439	53.55	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130425.D
Acq On : 13 Aug 2013 9:06 am
Operator : jaimem
Sample : cc5050-50
Misc : MS29638,MSG5087,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 13 09:53:54 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

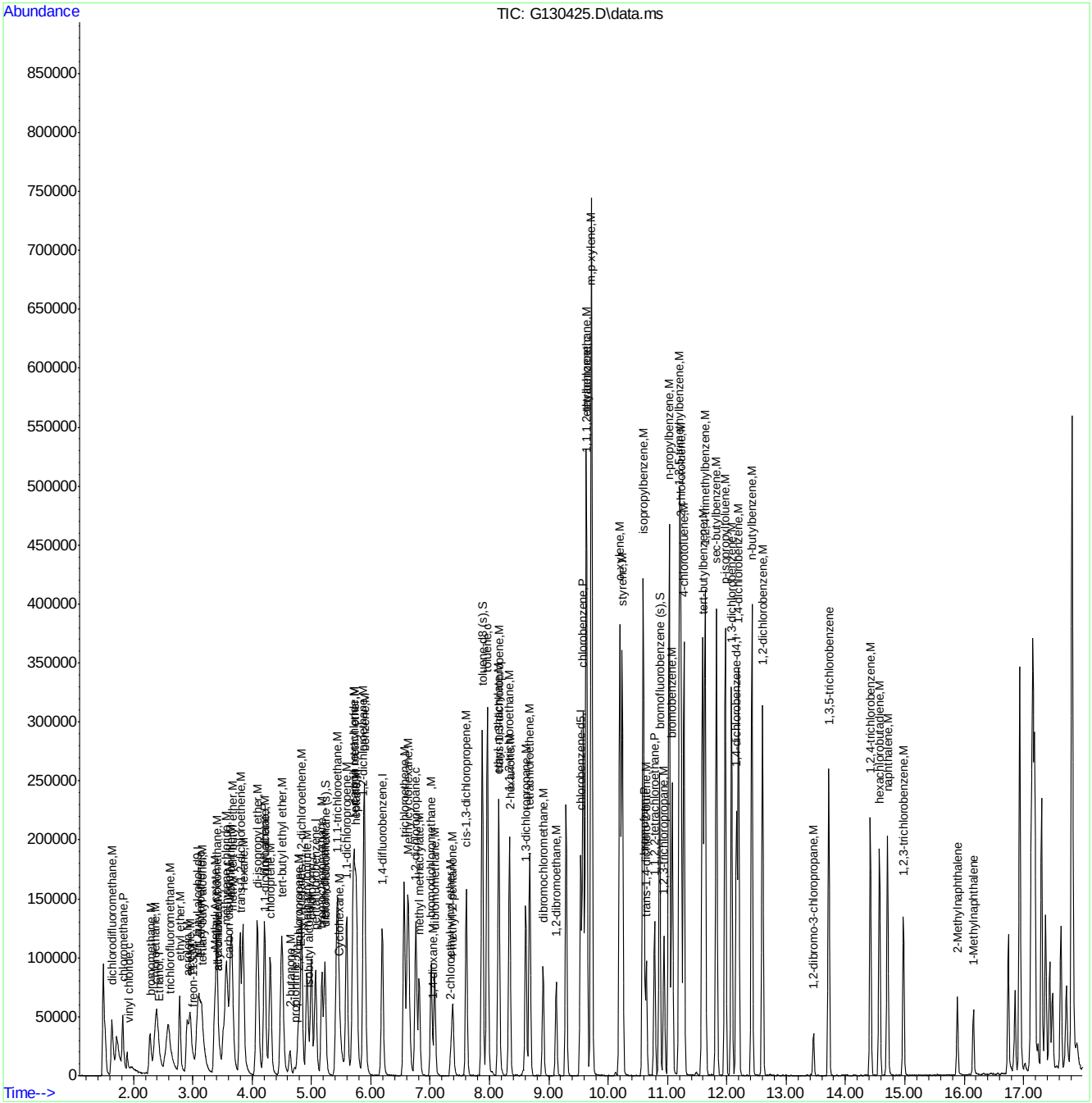
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.080	146	160305	53.56	ppb		95
94) p-isopropyltoluene	11.975	119	265218	48.71	ppb		97
95) 1,4-dichlorobenzene	12.197	146	157591	47.84	ppb		97
96) 1,2-dichlorobenzene	12.603	146	154746	53.79	ppb		97
97) n-butylbenzene	12.423	91	259345	48.30	ppb		92
98) 1,2-dibromo-3-chloropr...	13.461	75	9429	40.38	ppb	#	70
99) 1,3,5-trichlorobenzene	13.719	180	94627	44.96	ug/L		100
100) 1,2,4-trichlorobenzene	14.420	180	79271	44.01	ppb		98
101) hexachlorobutadiene	14.573	225	45257	49.33	ppb		100
102) naphthalene	14.708	128	182764	44.78	ppb		100
103) 2-Methylnaphthalene	15.888	142	35421	32.76	ug/L		99
104) 1-Methylnaphthalene	16.156	142	29876	34.75	ug/L		97
105) 1,2,3-trichlorobenzene	14.978	180	47651	31.39	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130813\
Data File : G130425.D
Acq On : 13 Aug 2013 9:06 am
Operator : jaimem
Sample : cc5050-50
Misc : MS29638,MSG5087,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 13 09:53:54 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72936.D
Acq On : 7 Aug 2013 10:23 pm
Operator : GaryK
Sample : ic2374-0.5
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 08 08:46:19 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.419	65	67803	500.00	ug/kg	0.00
4) pentafluorobenzene	8.839	168	393037	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.686	114	572194	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.943	82	224378	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.502	152	271694	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.469	113	2081	0.51	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.02%#			
63) toluene-d8 (s)	11.480	98	6905	0.47	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 0.94%#			
87) bromofluorobenzene (s)	14.162	95	2867	0.56	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.12%#			
Target Compounds						Qvalue
49) benzene	9.487	78	7989	0.54	ug/kg	89
54) trichloroethene	10.123	95	2237m	0.50	ug/kg	
70) tetrachloroethene	12.311	166	1992m	0.41	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

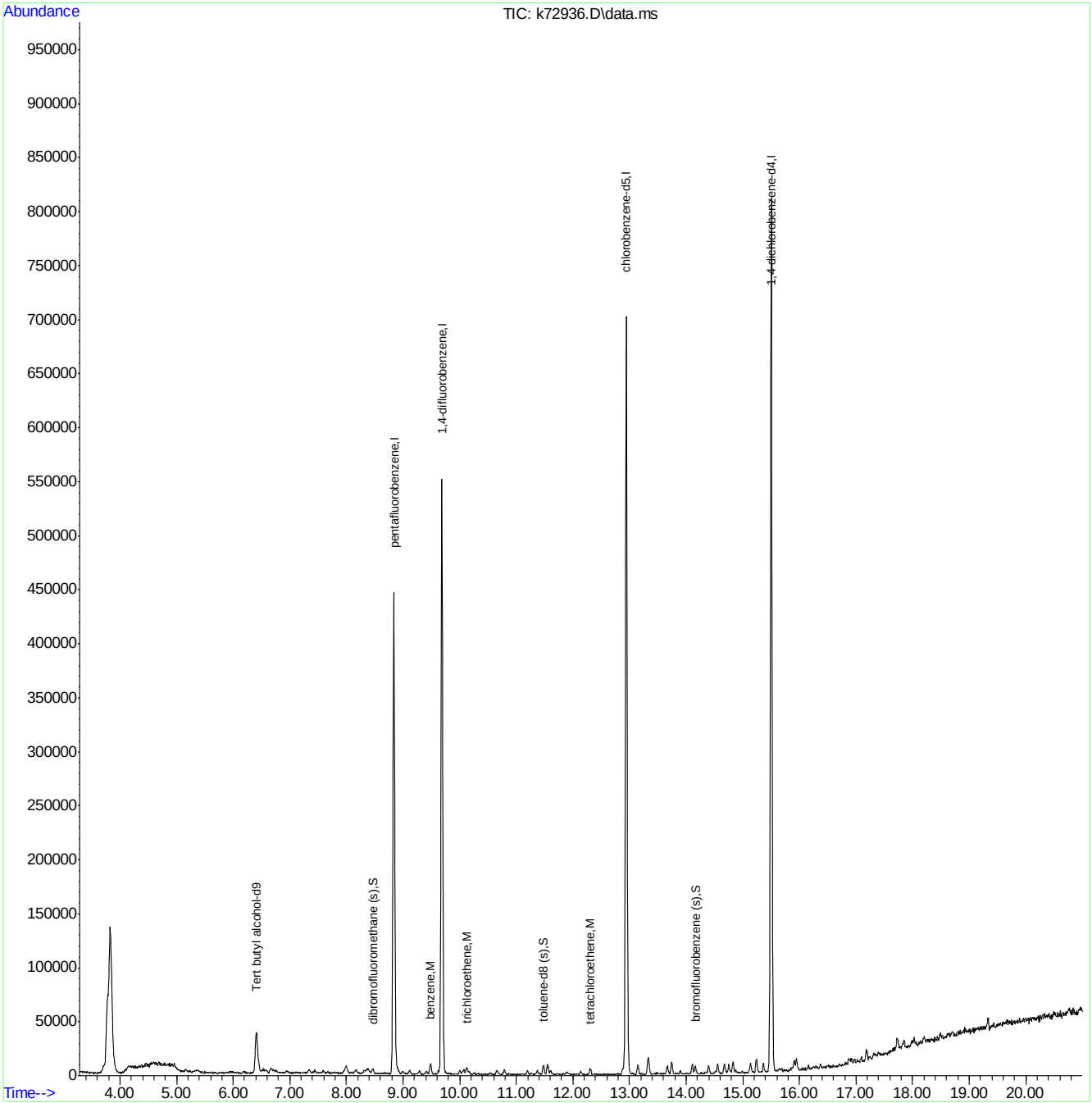
7.6.11

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72936.D
Acq On : 7 Aug 2013 10:23 pm
Operator : GaryK
Sample : ic2374-0.5
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 08 08:46:19 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/08/13 17:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72937.D
Acq On : 7 Aug 2013 10:51 pm
Operator : GaryK
Sample : ic2374-2
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 08 08:22:39 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.429	65	69339	500.00	ug/kg	0.00
4) pentafluorobenzene	8.839	168	383503	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.685	114	568425	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.943	82	222288	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	271268	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.468	113	8735	2.20	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.40%#		
63) toluene-d8 (s)	11.479	98	32406	2.23	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.46%#		
87) bromofluorobenzene (s)	14.161	95	10939	2.14	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.28%#		
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.509	59	2994	16.27	ug/kg#	58
3) Ethanol	5.341	45	3721	176.69	ug/kg#	100
5) dichlorodifluoromethane	4.237	85	7752	1.66	ug/kg	94
6) chloromethane	4.440	50	6375	1.96	ug/kg	90
7) vinyl chloride	4.674	62	3634	1.60	ug/kg	100
8) bromomethane	5.166	96	6051	2.00	ug/kg	84
9) chloroethane	5.327	64	3271	1.71	ug/kg	97
10) dichlorofluoromethane	5.376	67	9951	1.71	ug/kg	100
11) ethyl ether	6.180	59	3720	1.65	ug/kg	94
13) trichlorofluoromethane	5.960	101	11094	1.68	ug/kg	89
14) freon-113	6.720	101	6027	1.65	ug/kg#	63
15) acrolein	5.934	56	1025m	7.48	ug/kg	
16) 1,1-dichloroethene	6.540	96	6777	1.94	ug/kg	94
17) acetone	6.058	43	1151m	1.97	ug/kg	
18) Methyl Acetate	6.679	43	4906	1.81	ug/kg#	91
19) methylene chloride	6.674	84	6892	1.78	ug/kg	76
20) methyl tert butyl ether	7.451	73	13073	1.64	ug/kg	87
21) acrylonitrile	6.566	53	704m	0.99	ug/kg	
22) allyl chloride	6.763	41	7509	1.61	ug/kg	93
23) trans-1,2-dichloroethene	7.353	96	7969	1.92	ug/kg	95
24) iodomethane	6.584	142	11468	1.57	ug/kg	90
25) carbon disulfide	6.952	76	16051	1.59	ug/kg	86
27) vinyl acetate	7.679	43	7410	1.36	ug/kg	98
28) chloroprene	7.957	53	6552	1.51	ug/kg	84
29) di-isopropyl ether	8.007	45	16380	1.60	ug/kg	80
30) methacrylonitrile	8.089	41	2562	1.56	ug/kg	80
32) Hexane	7.995	41	9014	1.96	ug/kg#	87
33) 1,1-dichloroethane	7.598	63	9059	1.68	ug/kg	96
34) tert-butyl ethyl ether	8.396	59	13204	1.54	ug/kg	93
35) isobutyl alcohol	8.393	43	2304	8.36	ug/kg#	59
36) 2,2-dichloropropane	8.456	77	6817	1.77	ug/kg	91
37) cis-1,2-dichloroethene	8.170	96	9216	2.01	ug/kg	93
38) ethyl acetate	8.398	43	2131	1.62	ug/kg	66
39) bromochloromethate	8.318	128	3876	1.68	ug/kg	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72937.D
Acq On : 7 Aug 2013 10:51 pm
Operator : GaryK
Sample : ic2374-2
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 08 08:22:39 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) chloroform	8.357	83	10071	1.59	ug/kg	86
42) Tetrahydrofuran	8.683	42	1140m	1.89	ug/kg	
43) 1,1,1-trichloroethane	9.119	97	9395	1.65	ug/kg	90
44) n-Butyl Alcohol	9.416	56	7477	38.59	ug/kg	92
46) Cyclohexane	9.416	56	7478	1.51	ug/kg	84
47) carbon tetrachloride	9.477	117	8318	1.63	ug/kg	82
48) 1,1-dichloropropene	9.288	75	7691	1.58	ug/kg	95
49) benzene	9.487	78	25733	1.76	ug/kg	95
50) 1,2-dichloroethane	8.993	62	7028	1.62	ug/kg	97
51) tert-amyl methyl ether	9.632	73	11908m	1.40	ug/kg	
52) heptane	9.999	43	6642	1.61	ug/kg	83
53) 2-Nitropropane	9.999	43	6642	1.61	ug/kg	94
54) trichloroethene	10.122	95	7938	1.79	ug/kg#	78
55) 1,2-dichloropropane	10.076	63	5861	1.62	ug/kg	84
56) dibromomethane	10.049	93	3411	1.59	ug/kg	98
57) bromodichloromethane	10.160	83	8090	1.60	ug/kg	99
58) Methylcyclohexane	10.661	83	8461	1.44	ug/kg	95
59) 2-chloroethyl vinyl ether	10.536	63	2392	1.38	ug/kg#	42
60) methyl methacrylate	10.256	69	2069	1.28	ug/kg#	53
62) cis-1,3-dichloropropene	10.787	75	9195	1.48	ug/kg	90
64) 4-methyl-2-pentanone	10.870	43	2795	1.36	ug/kg#	39
65) toluene	11.551	92	16359	1.59	ug/kg	95
66) trans-1,3-dichloropropene	11.199	75	7108	1.40	ug/kg	94
67) 1,1,2-trichloroethane	11.369	83	4758	1.70	ug/kg	100
68) ethyl methacrylate	11.573	69	3499	1.14	ug/kg	84
70) tetrachloroethene	12.308	166	8333	1.74	ug/kg	87
71) 1,3-dichloropropane	11.608	76	7882	1.75	ug/kg	90
72) dibromochloromethane	11.888	129	5853	1.40	ug/kg	89
73) 1,2-dibromoethane	12.137	107	5565	1.60	ug/kg	96
74) 2-hexanone	11.728	43	1888m	1.48	ug/kg	
75) chlorobenzene	12.977	112	23601	1.87	ug/kg	97
76) 1-chlorohexane	12.874	91	7203	1.34	ug/kg	89
77) 1,1,1,2-tetrachloroethane	12.902	131	7556	1.65	ug/kg	93
78) ethylbenzene	13.148	91	30030	1.63	ug/kg	99
79) m,p-xylene	13.331	106	25542	3.26	ug/kg	99
80) o-xylene	13.743	106	12243	1.57	ug/kg	88
81) styrene	13.667	104	15769	1.25	ug/kg	99
82) bromoform	13.486	173	3018	1.47	ug/kg	95
83) cis-1,4-dichloro-2-butene	13.574	88	950m	1.15	ug/kg	
84) trans-1,4-dichloro-2-b...	13.895	53	633m	1.18	ug/kg	
86) isopropylbenzene	14.109	105	29812	1.47	ug/kg	97
88) bromobenzene	14.396	156	9215	1.58	ug/kg	90
89) 1,1,2,2-tetrachloroethane	13.751	83	5387	1.72	ug/kg	82
90) 1,2,3-trichloropropane	13.894	75	4877	1.55	ug/kg	95
91) n-propylbenzene	14.556	91	32494	1.47	ug/kg	98
92) 2-chlorotoluene	14.676	91	21267	1.57	ug/kg	99
93) 4-chlorotoluene	14.754	91	21371	1.55	ug/kg	94
94) 1,3,5-trimethylbenzene	14.827	105	24401	1.49	ug/kg	99
95) tert-butylbenzene	15.134	91	12989	1.48	ug/kg	92
96) 1,2,4-trimethylbenzene	15.239	105	25087	1.52	ug/kg	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72937.D
Acq On : 7 Aug 2013 10:51 pm
Operator : GaryK
Sample : ic2374-2
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 08 08:22:39 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

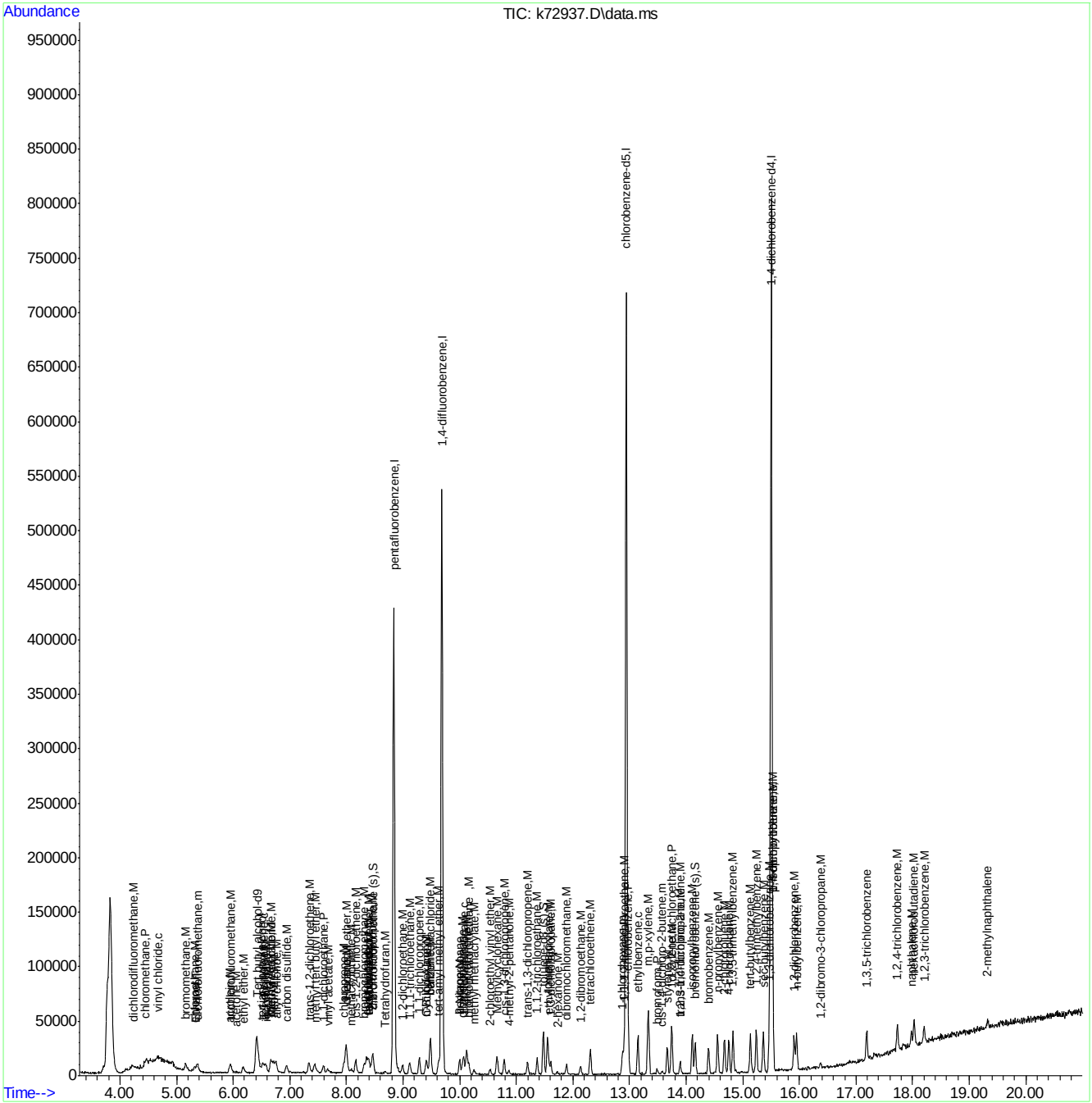
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	sec-butylbenzene	15.362	105	30561	1.47	ug/kg	98
98)	1,3-dichlorobenzene	15.467	146	18743	1.66	ug/kg	93
99)	p-isopropyltoluene	15.529	119	26123	1.64	ug/kg	93
100)	1,4-dichlorobenzene	15.528	146	18011	1.72	ug/kg	96
101)	1,2-dichlorobenzene	15.908	146	16273	1.57	ug/kg	97
102)	n-butylbenzene	15.950	91	21634	1.49	ug/kg	89
103)	1,2-dibromo-3-chloropr...	16.376	75	911m	2.29	ug/kg	
104)	1,3,5-trichlorobenzene	17.189	180	10094	1.52	ug/kg	95
105)	1,2,4-trichlorobenzene	17.729	180	8665	1.51	ug/kg	95
106)	hexachlorobutadiene	18.026	225	6324	1.97	ug/kg	94
107)	naphthalene	17.979	128	13344	1.47	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	6520	1.64	ug/kg	96
109)	2-methylnaphthalene	19.323	142	2932m	2.08	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72937.D
Acq On : 7 Aug 2013 10:51 pm
Operator : GaryK
Sample : ic2374-2
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 08 08:22:39 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/08/13 17:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72938.D
Acq On : 7 Aug 2013 11:19 pm
Operator : GaryK
Sample : ic2374-5
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 08 08:24:44 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.425	65	69128	500.00	ug/kg	0.00
4) pentafluorobenzene	8.838	168	379673	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.684	114	557092	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.942	82	222528	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	264932	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.466	113	21061	5.37	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.74%#			
63) toluene-d8 (s)	11.478	98	73161	5.13	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.26%#			
87) bromofluorobenzene (s)	14.161	95	26183	5.25	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.50%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.511	59	9446	51.50	ug/kg	83
3) Ethanol	5.341	45	9858	469.54	ug/kg#	100
5) dichlorodifluoromethane	4.233	85	21670	4.69	ug/kg	79
6) chloromethane	4.440	50	17986	5.59	ug/kg	100
7) vinyl chloride	4.675	62	10494	4.66	ug/kg	97
8) bromomethane	5.165	96	16393	5.46	ug/kg	94
9) chloroethane	5.327	64	9054	4.78	ug/kg	74
10) dichlorofluoromethane	5.374	67	28764	4.98	ug/kg	100
11) ethyl ether	6.178	59	10152	4.54	ug/kg	96
12) acetonitrile	6.500	41	2519	5.66	ug/kg	87
13) trichlorofluoromethane	5.958	101	33081	5.07	ug/kg	95
14) freon-113	6.724	101	18902	5.24	ug/kg	78
15) acrolein	5.927	56	2887	21.29	ug/kg	95
16) 1,1-dichloroethene	6.543	96	18055	5.22	ug/kg	96
17) acetone	6.049	43	3026	5.24	ug/kg	90
18) Methyl Acetate	6.679	43	13501	5.04	ug/kg#	97
19) methylene chloride	6.677	84	19567	5.09	ug/kg#	74
20) methyl tert butyl ether	7.450	73	36276	4.60	ug/kg	99
21) acrylonitrile	6.562	53	3133	4.45	ug/kg	77
22) allyl chloride	6.760	41	22087m	4.78	ug/kg	
23) trans-1,2-dichloroethene	7.347	96	21026	5.11	ug/kg	85
24) iodomethane	6.584	142	33515	4.63	ug/kg	90
25) carbon disulfide	6.953	76	48044	4.80	ug/kg	100
26) propionitrile	7.582	54	1057m	3.90	ug/kg	
27) vinyl acetate	7.673	43	23440	4.36	ug/kg	98
28) chloroprene	7.955	53	19457	4.53	ug/kg	90
29) di-isopropyl ether	8.007	45	49880	4.92	ug/kg	82
30) methacrylonitrile	8.089	41	7869	4.83	ug/kg	83
31) 2-butanone	7.991	72	1294m	4.52	ug/kg	
32) Hexane	7.993	41	24412	5.37	ug/kg#	69
33) 1,1-dichloroethane	7.596	63	26325	4.92	ug/kg	95
34) tert-butyl ethyl ether	8.394	59	38691	4.56	ug/kg	96
35) isobutyl alcohol	8.401	43	7228	26.50	ug/kg#	69
36) 2,2-dichloropropane	8.456	77	20135	5.29	ug/kg	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72938.D
Acq On : 7 Aug 2013 11:19 pm
Operator : GaryK
Sample : ic2374-5
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 08 08:24:44 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	cis-1,2-dichloroethene	8.165	96	22784	5.01	ug/kg	87
38)	ethyl acetate	8.401	43	7228	5.57	ug/kg	72
39)	bromochloromethane	8.316	128	11155	4.88	ug/kg	90
40)	chloroform	8.356	83	30884	4.92	ug/kg	100
42)	Tetrahydrofuran	8.679	42	3131	5.25	ug/kg	92
43)	1,1,1-trichloroethane	9.119	97	27105	4.80	ug/kg	93
44)	n-Butyl Alcohol	9.420	56	22783	118.77	ug/kg	92
46)	Cyclohexane	9.420	56	22783	4.69	ug/kg	87
47)	carbon tetrachloride	9.477	117	24191	4.83	ug/kg	92
48)	1,1-dichloropropene	9.288	75	23136	4.84	ug/kg	97
49)	benzene	9.485	78	74303	5.19	ug/kg	98
50)	1,2-dichloroethane	8.991	62	20666	4.87	ug/kg	99
51)	tert-amyl methyl ether	9.642	73	43560	5.24	ug/kg	95
52)	heptane	9.998	43	18250	4.52	ug/kg	85
53)	2-Nitropropane	9.998	43	18250	4.52	ug/kg	88
54)	trichloroethene	10.122	95	21788	5.01	ug/kg	98
55)	1,2-dichloropropane	10.074	63	17360	4.91	ug/kg	97
56)	dibromomethane	10.048	93	9932	4.74	ug/kg	91
57)	bromodichloromethane	10.160	83	22782	4.58	ug/kg	97
58)	Methylcyclohexane	10.662	83	25895	4.50	ug/kg	93
59)	2-chloroethyl vinyl ether	10.533	63	6623	3.90	ug/kg	96
60)	methyl methacrylate	10.254	69	6545	4.14	ug/kg	80
62)	cis-1,3-dichloropropene	10.786	75	26922	4.43	ug/kg	90
64)	4-methyl-2-pentanone	10.868	43	8377	4.16	ug/kg#	78
65)	toluene	11.550	92	48737	4.83	ug/kg	94
66)	trans-1,3-dichloropropene	11.198	75	21186	4.26	ug/kg	92
67)	1,1,2-trichloroethane	11.367	83	12691	4.63	ug/kg	92
68)	ethyl methacrylate	11.573	69	11664	3.86	ug/kg#	67
70)	tetrachloroethene	12.308	166	24188	5.06	ug/kg	95
71)	1,3-dichloropropane	11.607	76	23232	5.16	ug/kg	100
72)	dibromochloromethane	11.887	129	18299	4.37	ug/kg	98
73)	1,2-dibromoethane	12.136	107	16209	4.65	ug/kg	97
74)	2-hexanone	11.725	43	5521	4.31	ug/kg#	56
75)	chlorobenzene	12.977	112	65148	5.15	ug/kg	96
76)	1-chlorohexane	12.874	91	22410	4.18	ug/kg	89
77)	1,1,1,2-tetrachloroethane	12.902	131	22390	4.87	ug/kg	99
78)	ethylbenzene	13.148	91	88336	4.78	ug/kg	100
79)	m,p-xylene	13.331	106	75222	9.60	ug/kg	96
80)	o-xylene	13.743	106	36452	4.68	ug/kg	98
81)	styrene	13.667	104	49833	3.94	ug/kg	96
82)	bromoform	13.487	173	8460	4.12	ug/kg	84
83)	cis-1,4-dichloro-2-butene	13.574	88	2878	3.48	ug/kg	92
84)	trans-1,4-dichloro-2-b...	13.895	53	2037	3.79	ug/kg#	70
86)	isopropylbenzene	14.109	105	89310	4.50	ug/kg	98
88)	bromobenzene	14.396	156	27460	4.82	ug/kg	93
89)	1,1,2,2-tetrachloroethane	13.752	83	15649	5.11	ug/kg	89
90)	1,2,3-trichloropropane	13.895	75	14070	4.58	ug/kg	91
91)	n-propylbenzene	14.556	91	97821	4.52	ug/kg	94
92)	2-chlorotoluene	14.676	91	62862	4.74	ug/kg	99
93)	4-chlorotoluene	14.754	91	64170	4.78	ug/kg	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72938.D
Acq On : 7 Aug 2013 11:19 pm
Operator : GaryK
Sample : ic2374-5
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 08 08:24:44 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	1,3,5-trimethylbenzene	14.827	105	73826	4.62	ug/kg	98
95)	tert-butylbenzene	15.134	91	38532	4.49	ug/kg	96
96)	1,2,4-trimethylbenzene	15.239	105	74081	4.58	ug/kg	100
97)	sec-butylbenzene	15.363	105	94602	4.67	ug/kg	94
98)	1,3-dichlorobenzene	15.467	146	51948	4.72	ug/kg	95
99)	p-isopropyltoluene	15.530	119	74879	4.81	ug/kg	94
100)	1,4-dichlorobenzene	15.529	146	51741	5.05	ug/kg	99
101)	1,2-dichlorobenzene	15.908	146	46132	4.57	ug/kg	95
102)	n-butylbenzene	15.952	91	64337	4.53	ug/kg	92
103)	1,2-dibromo-3-chloropr...	16.369	75	1897m	4.88	ug/kg	
104)	1,3,5-trichlorobenzene	17.189	180	29626	4.58	ug/kg	100
105)	1,2,4-trichlorobenzene	17.730	180	25414	4.53	ug/kg	87
106)	hexachlorobutadiene	18.026	225	15567	4.96	ug/kg	99
107)	naphthalene	17.979	128	38086	4.29	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	17234	4.43	ug/kg	90
109)	2-methylnaphthalene	19.323	142	5120m	3.71	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

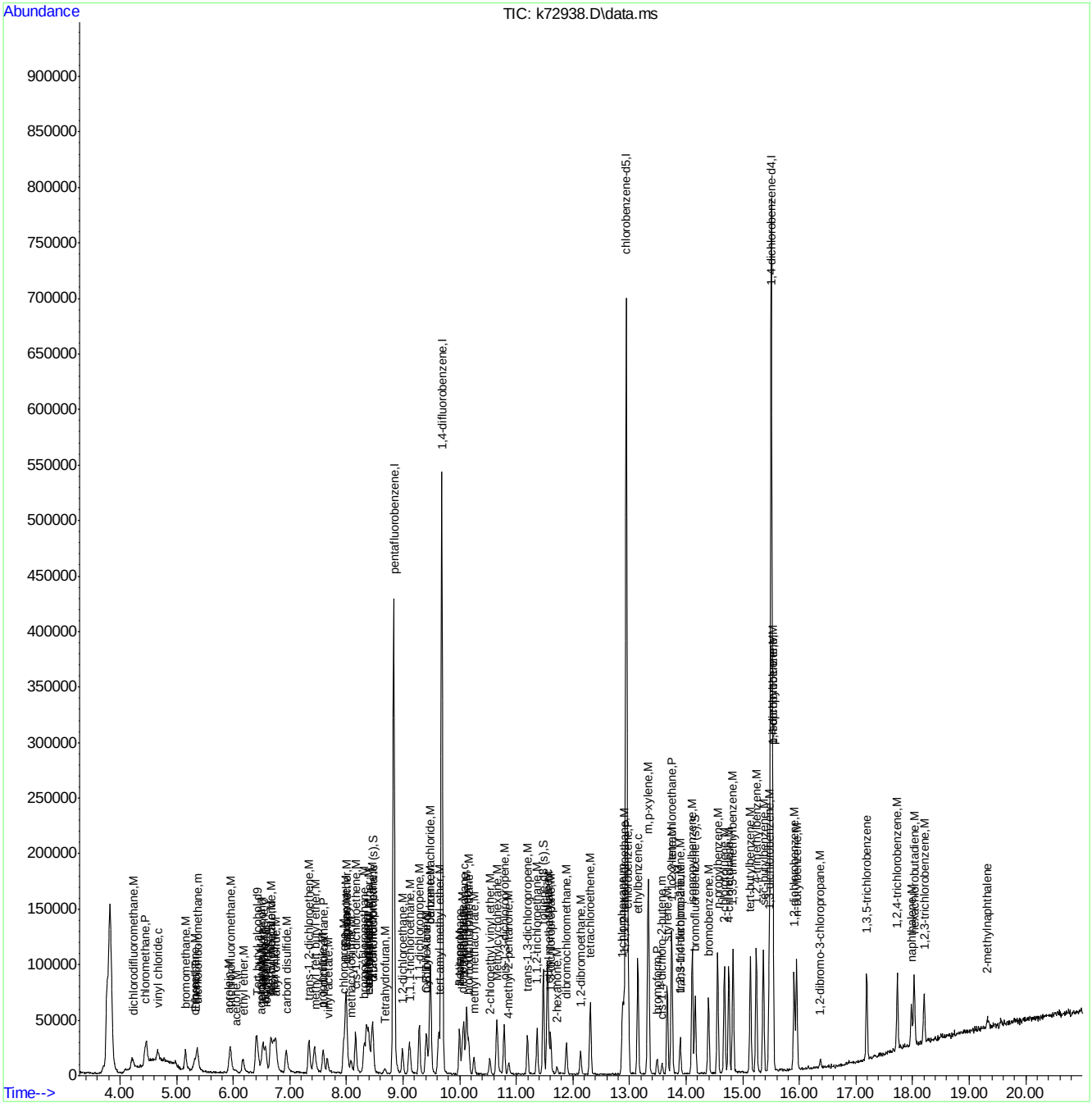
7.6.13

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72938.D
Acq On : 7 Aug 2013 11:19 pm
Operator : GaryK
Sample : ic2374-5
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 08 08:24:44 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/08/13 17:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72939.D
Acq On : 7 Aug 2013 11:47 pm
Operator : GaryK
Sample : ic2374-25
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 08 08:26:35 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.431	65	68256	500.00	ug/kg	0.00
4) pentafluorobenzene	8.839	168	382522	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.685	114	560567	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.942	82	227609	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	271391	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.469	113	98080	24.81	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 49.62%#			
63) toluene-d8 (s)	11.478	98	351341	24.48	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 48.96%#			
87) bromofluorobenzene (s)	14.160	95	127349	24.90	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 49.80%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.514	59	45012	248.54	ug/kg	82
3) Ethanol	5.419	45	60806m	2933.19	ug/kg	
5) dichlorodifluoromethane	4.248	85	103395	22.19	ug/kg	98
6) chloromethane	4.450	50	77913	24.05	ug/kg	98
7) vinyl chloride	4.690	62	52278	23.04	ug/kg	99
8) bromomethane	5.175	96	74610	24.69	ug/kg	98
9) chloroethane	5.335	64	45788	24.00	ug/kg	92
10) dichlorofluoromethane	5.382	67	136976	23.53	ug/kg	100
11) ethyl ether	6.185	59	54394	24.12	ug/kg	98
12) acetonitrile	6.517	41	12055	26.88	ug/kg	86
13) trichlorofluoromethane	5.965	101	152197	23.17	ug/kg	98
14) freon-113	6.729	101	86194	23.70	ug/kg	92
15) acrolein	5.935	56	16241	118.90	ug/kg	95
16) 1,1-dichloroethene	6.546	96	81574	23.40	ug/kg	92
17) acetone	6.054	43	14454	24.85	ug/kg	88
18) Methyl Acetate	6.679	43	66726	24.70	ug/kg	95
19) methylene chloride	6.683	84	94409	24.40	ug/kg	91
20) methyl tert butyl ether	7.453	73	191417	24.10	ug/kg	98
21) acrylonitrile	6.559	53	17359	24.46	ug/kg	97
22) allyl chloride	6.768	41	108485	23.32	ug/kg	89
23) trans-1,2-dichloroethene	7.350	96	97239	23.45	ug/kg	93
24) iodomethane	6.593	142	169884	23.29	ug/kg	94
25) carbon disulfide	6.955	76	223652	22.19	ug/kg	99
26) propionitrile	7.576	54	6629	24.29	ug/kg	100
27) vinyl acetate	7.666	43	129576	23.91	ug/kg	96
28) chloroprene	7.961	53	100435	23.21	ug/kg	99
29) di-isopropyl ether	8.010	45	251881	24.65	ug/kg	92
30) methacrylonitrile	8.083	41	40190m	24.48	ug/kg	
31) 2-butanone	7.985	72	7267	25.19	ug/kg#	1
32) Hexane	7.995	41	113599	24.79	ug/kg#	76
33) 1,1-dichloroethane	7.602	63	130189	24.16	ug/kg	96
34) tert-butyl ethyl ether	8.400	59	209393	24.50	ug/kg	95
35) isobutyl alcohol	8.405	43	33040	120.21	ug/kg	96
36) 2,2-dichloropropane	8.459	77	91864	23.94	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72939.D
Acq On : 7 Aug 2013 11:47 pm
Operator : GaryK
Sample : ic2374-25
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 08 08:26:35 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.171	96	111593	24.37	ug/kg	92
38) ethyl acetate	8.405	43	33441	25.56	ug/kg	94
39) bromochloromethane	8.320	128	55364	24.02	ug/kg	94
40) chloroform	8.360	83	154274	24.39	ug/kg	98
42) Tetrahydrofuran	8.679	42	14417	24.02	ug/kg	97
43) 1,1,1-trichloroethane	9.122	97	129838	22.84	ug/kg	98
44) n-Butyl Alcohol	9.423	56	111315	575.95	ug/kg	90
46) Cyclohexane	9.423	56	111239	22.76	ug/kg	96
47) carbon tetrachloride	9.481	117	116235	23.07	ug/kg	98
48) 1,1-dichloropropene	9.289	75	113512	23.61	ug/kg	98
49) benzene	9.487	78	356078	24.70	ug/kg	98
50) 1,2-dichloroethane	8.992	62	103488	24.23	ug/kg	98
51) tert-amyl methyl ether	9.637	73	202059	24.17	ug/kg	95
52) heptane	9.999	43	91861	22.61	ug/kg	90
53) 2-Nitropropane	9.999	43	91861	22.61	ug/kg	95
54) trichloroethene	10.122	95	105908	24.20	ug/kg	94
55) 1,2-dichloropropane	10.075	63	85705	24.09	ug/kg	98
56) dibromomethane	10.048	93	52092	24.69	ug/kg	93
57) bromodichloromethane	10.160	83	119692	23.93	ug/kg	97
58) Methylcyclohexane	10.668	83	133506	23.03	ug/kg	97
59) 2-chloroethyl vinyl ether	10.533	63	40004	23.38	ug/kg	100
60) methyl methacrylate	10.252	69	35996	22.64	ug/kg	81
61) 1,4-dioxane	10.248	88	2765	112.50	ug/kg	95
62) cis-1,3-dichloropropene	10.786	75	146791	23.98	ug/kg	97
64) 4-methyl-2-pentanone	10.867	43	47789	23.60	ug/kg	87
65) toluene	11.550	92	247042	24.34	ug/kg	97
66) trans-1,3-dichloropropene	11.197	75	116809	23.32	ug/kg	96
67) 1,1,2-trichloroethane	11.368	83	66192	23.97	ug/kg	93
68) ethyl methacrylate	11.570	69	71106	23.42	ug/kg	82
70) tetrachloroethene	12.308	166	116349	23.79	ug/kg	99
71) 1,3-dichloropropane	11.607	76	116423	25.28	ug/kg	99
72) dibromochloromethane	11.887	129	101633	23.72	ug/kg	97
73) 1,2-dibromoethane	12.136	107	86834	24.35	ug/kg	98
74) 2-hexanone	11.721	43	31776	24.26	ug/kg	91
75) chlorobenzene	12.977	112	320788	24.80	ug/kg	96
76) 1-chlorohexane	12.874	91	125713	22.92	ug/kg	96
77) 1,1,1,2-tetrachloroethane	12.903	131	112550	23.95	ug/kg	97
78) ethylbenzene	13.147	91	456917	24.16	ug/kg	100
79) m,p-xylene	13.330	106	394752	49.24	ug/kg	97
80) o-xylene	13.743	106	197725	24.80	ug/kg	94
81) styrene	13.666	104	303138	23.40	ug/kg	94
82) bromoform	13.487	173	48197	22.93	ug/kg	98
83) cis-1,4-dichloro-2-butene	13.574	88	18512	21.88	ug/kg	93
84) trans-1,4-dichloro-2-b...	13.894	53	12795	23.29	ug/kg#	57
86) isopropylbenzene	14.109	105	484613	23.85	ug/kg	100
88) bromobenzene	14.395	156	142719	24.43	ug/kg	94
89) 1,1,2,2-tetrachloroethane	13.752	83	77644	24.74	ug/kg	98
90) 1,2,3-trichloropropane	13.895	75	75802	24.09	ug/kg	100
91) n-propylbenzene	14.555	91	525702	23.72	ug/kg	98
92) 2-chlorotoluene	14.676	91	329327	24.23	ug/kg	99

Quantitation Report (QT Reviewed)

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Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 08 08:26:35 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.753	91	335159	24.35	ug/kg	97
94)	1,3,5-trimethylbenzene	14.827	105	391632	23.93	ug/kg	99
95)	tert-butylbenzene	15.134	91	206442	23.47	ug/kg	92
96)	1,2,4-trimethylbenzene	15.238	105	397504	24.00	ug/kg	99
97)	sec-butylbenzene	15.362	105	491692	23.68	ug/kg	97
98)	1,3-dichlorobenzene	15.467	146	274112	24.30	ug/kg	97
99)	p-isopropyltoluene	15.530	119	379193	23.78	ug/kg	96
100)	1,4-dichlorobenzene	15.529	146	260239	24.81	ug/kg	98
101)	1,2-dichlorobenzene	15.907	146	250535	24.22	ug/kg	98
102)	n-butylbenzene	15.951	91	345133	23.72	ug/kg	99
103)	1,2-dibromo-3-chloropr...	16.371	75	9254	23.24	ug/kg	89
104)	1,3,5-trichlorobenzene	17.189	180	154316	23.27	ug/kg	100
105)	1,2,4-trichlorobenzene	17.730	180	131603	22.91	ug/kg	93
106)	hexachlorobutadiene	18.026	225	76014	23.65	ug/kg	96
107)	naphthalene	17.979	128	203922	22.45	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	91487	22.93	ug/kg	98
109)	2-methylnaphthalene	19.323	142	23781m	16.83	ug/kg	
110)	1-methylnaphthalene	19.566	TIC	58632m	380.84	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
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Operator : GaryK
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Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 35 Sample Multiplier: 1

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Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
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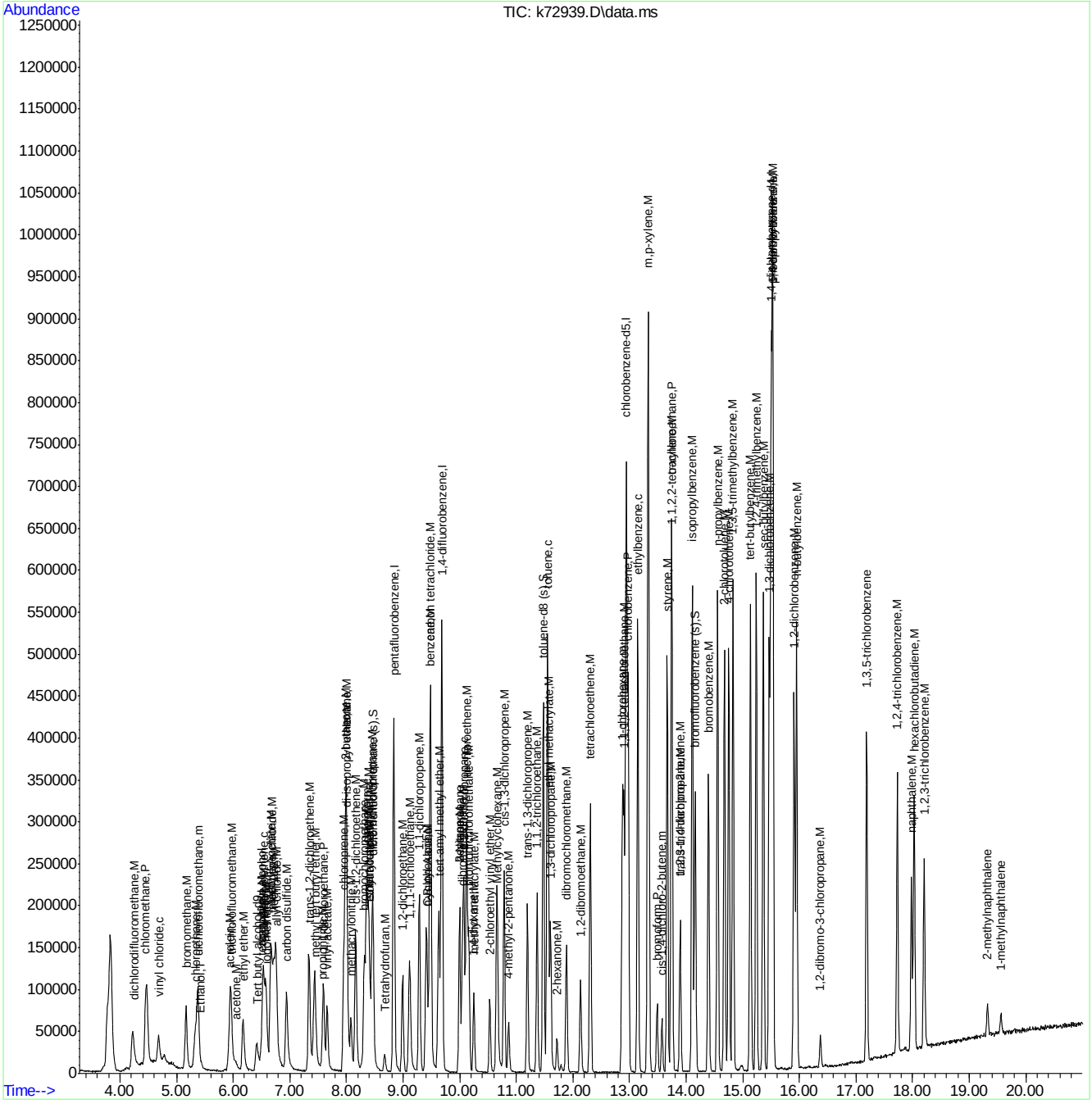

Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/08/13 17:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72940.D
Acq On : 8 Aug 2013 12:14 am
Operator : GaryK
Sample : icc2374-50
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 08 08:28:39 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.428	65	67264	500.00	ug/kg	0.00
4) pentafluorobenzene	8.838	168	361941	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.684	114	523105	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.940	82	217614	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.500	152	260164	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.468	113	186765	49.92	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.84%			
63) toluene-d8 (s)	11.477	98	669613	50.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.00%			
87) bromofluorobenzene (s)	14.160	95	245125	50.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.00%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.510	59	89201	499.80	ug/kg	91
3) Ethanol	5.419	45	119434m	5846.28	ug/kg	
5) dichlorodifluoromethane	4.241	85	219837	49.86	ug/kg	95
6) chloromethane	4.449	50	153037	49.93	ug/kg	100
7) vinyl chloride	4.688	62	107194	49.93	ug/kg	100
8) bromomethane	5.169	96	145197	50.78	ug/kg	99
9) chloroethane	5.331	64	90509	50.14	ug/kg	97
10) dichlorofluoromethane	5.377	67	275015	49.93	ug/kg	100
11) ethyl ether	6.182	59	106792	50.05	ug/kg	99
12) acetonitrile	6.511	41	20420	48.13	ug/kg	85
13) trichlorofluoromethane	5.961	101	309754	49.83	ug/kg	99
14) freon-113	6.727	101	170775	49.63	ug/kg	99
15) acrolein	5.928	56	32996	255.30	ug/kg	86
16) 1,1-dichloroethene	6.543	96	164667	49.92	ug/kg	91
17) acetone	6.046	43	27475	49.93	ug/kg	84
18) Methyl Acetate	6.673	43	127696	49.97	ug/kg	92
19) methylene chloride	6.680	84	182993	49.98	ug/kg	89
20) methyl tert butyl ether	7.452	73	378486	50.36	ug/kg	98
21) acrylonitrile	6.553	53	34438	51.29	ug/kg	84
22) allyl chloride	6.768	41	219684	49.92	ug/kg	85
23) trans-1,2-dichloroethene	7.349	96	195726	49.89	ug/kg	99
24) iodomethane	6.589	142	344226	49.88	ug/kg	93
25) carbon disulfide	6.958	76	480845	50.42	ug/kg	98
26) propionitrile	7.568	54	12893	49.93	ug/kg	100
27) vinyl acetate	7.662	43	254489	49.64	ug/kg	95
28) chloroprene	7.959	53	204428	49.93	ug/kg	96
29) di-isopropyl ether	8.008	45	482843	49.93	ug/kg	93
30) methacrylonitrile	8.084	41	73907	47.57	ug/kg	89
31) 2-butanone	7.979	72	13632	49.93	ug/kg#	1
32) Hexane	7.992	41	216496	49.93	ug/kg#	77
33) 1,1-dichloroethane	7.600	63	254655	49.94	ug/kg	99
34) tert-butyl ethyl ether	8.399	59	403862	49.93	ug/kg	95
35) isobutyl alcohol	8.401	43	61812	237.68	ug/kg	100
36) 2,2-dichloropropane	8.457	77	181307	49.93	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72940.D
Acq On : 8 Aug 2013 12:14 am
Operator : GaryK
Sample : icc2374-50
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 08 08:28:39 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.169	96	216682	50.01	ug/kg	97
38) ethyl acetate	8.402	43	65152	52.63	ug/kg	97
39) bromochloromethane	8.319	128	108897	49.93	ug/kg	95
40) chloroform	8.358	83	298860	49.93	ug/kg	97
42) Tetrahydrofuran	8.676	42	28475	50.13	ug/kg	97
43) 1,1,1-trichloroethane	9.123	97	268524	49.93	ug/kg	99
44) n-Butyl Alcohol	9.421	56	228065	1247.13	ug/kg	91
46) Cyclohexane	9.421	56	228065	50.00	ug/kg	98
47) carbon tetrachloride	9.480	117	235045	50.00	ug/kg	98
48) 1,1-dichloropropene	9.288	75	224205	49.98	ug/kg	94
49) benzene	9.485	78	671152	49.89	ug/kg	98
50) 1,2-dichloroethane	8.990	62	199303	50.00	ug/kg	97
51) tert-amyl methyl ether	9.635	73	389908	49.98	ug/kg	94
52) heptane	9.997	43	189269	49.92	ug/kg	83
53) 2-Nitropropane	9.997	43	189269	49.92	ug/kg	98
54) trichloroethene	10.121	95	205859	50.40	ug/kg	92
55) 1,2-dichloropropane	10.074	63	166169	50.06	ug/kg	99
56) dibromomethane	10.047	93	98465	50.01	ug/kg	95
57) bromodichloromethane	10.160	83	232012	49.71	ug/kg	99
58) Methylcyclohexane	10.664	83	270444	50.00	ug/kg	98
59) 2-chloroethyl vinyl ether	10.531	63	79925	50.07	ug/kg	99
60) methyl methacrylate	10.250	69	74172	50.00	ug/kg	80
61) 1,4-dioxane	10.255	88	5735	250.04	ug/kg	81
62) cis-1,3-dichloropropene	10.785	75	285598	50.00	ug/kg	94
64) 4-methyl-2-pentanone	10.865	43	94483	50.00	ug/kg	88
65) toluene	11.549	92	473525	49.99	ug/kg	96
66) trans-1,3-dichloropropene	11.196	75	233825	50.03	ug/kg	97
67) 1,1,2-trichloroethane	11.367	83	128925	50.04	ug/kg	96
68) ethyl methacrylate	11.569	69	141496	49.93	ug/kg	85
70) tetrachloroethene	12.307	166	233708	49.99	ug/kg	97
71) 1,3-dichloropropane	11.606	76	220185	50.01	ug/kg	99
72) dibromochloromethane	11.887	129	204773	50.00	ug/kg	99
73) 1,2-dibromoethane	12.135	107	170478	50.00	ug/kg	95
74) 2-hexanone	11.721	43	62626	50.01	ug/kg	93
75) chlorobenzene	12.976	112	618244	50.00	ug/kg	97
76) 1-chlorohexane	12.873	91	262097	49.98	ug/kg	96
77) 1,1,1,2-tetrachloroethane	12.902	131	224663	50.00	ug/kg	97
78) ethylbenzene	13.147	91	903236	49.96	ug/kg	98
79) m,p-xylene	13.330	106	765873	99.93	ug/kg	100
80) o-xylene	13.743	106	381233	50.00	ug/kg	99
81) styrene	13.666	104	620190	50.08	ug/kg	95
82) bromoform	13.487	173	100488	50.00	ug/kg	98
83) cis-1,4-dichloro-2-butene	13.573	88	40443	50.00	ug/kg	91
84) trans-1,4-dichloro-2-b...	13.894	53	26256	50.00	ug/kg#	86
86) isopropylbenzene	14.108	105	974019	50.00	ug/kg	100
88) bromobenzene	14.395	156	279996	50.01	ug/kg	93
89) 1,1,2,2-tetrachloroethane	13.752	83	150472	50.00	ug/kg	99
90) 1,2,3-trichloropropane	13.894	75	150817	50.00	ug/kg	99
91) n-propylbenzene	14.555	91	1062636	50.01	ug/kg	100
92) 2-chlorotoluene	14.676	91	653574	50.15	ug/kg	99

Quantitation Report (QT Reviewed)

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Acq On : 8 Aug 2013 12:14 am
Operator : GaryK
Sample : icc2374-50
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 08 08:28:39 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 4-chlorotoluene	14.752	91	656344	49.75	ug/kg	98
94) 1,3,5-trimethylbenzene	14.827	105	784571	50.00	ug/kg	98
95) tert-butylbenzene	15.134	91	421898	50.03	ug/kg	96
96) 1,2,4-trimethylbenzene	15.238	105	794181	50.01	ug/kg	98
97) sec-butylbenzene	15.362	105	995075	50.00	ug/kg	99
98) 1,3-dichlorobenzene	15.466	146	535843	49.55	ug/kg	98
99) p-isopropyltoluene	15.529	119	764168	49.98	ug/kg	98
100) 1,4-dichlorobenzene	15.528	146	507167	50.44	ug/kg	97
101) 1,2-dichlorobenzene	15.907	146	495928	50.01	ug/kg	98
102) n-butylbenzene	15.950	91	697191	49.98	ug/kg	99
103) 1,2-dibromo-3-chloropr...	16.370	75	19085	50.00	ug/kg	95
104) 1,3,5-trichlorobenzene	17.189	180	317863	50.01	ug/kg	100
105) 1,2,4-trichlorobenzene	17.729	180	275381	50.01	ug/kg	100
106) hexachlorobutadiene	18.026	225	154092	50.00	ug/kg	97
107) naphthalene	17.978	128	435533	50.01	ug/kg	100
108) 1,2,3-trichlorobenzene	18.203	180	191595	50.10	ug/kg	99
109) 2-methylnaphthalene	19.323	142	52981m	39.11	ug/kg	
110) 1-methylnaphthalene	19.559	TIC	119104m	807.02	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

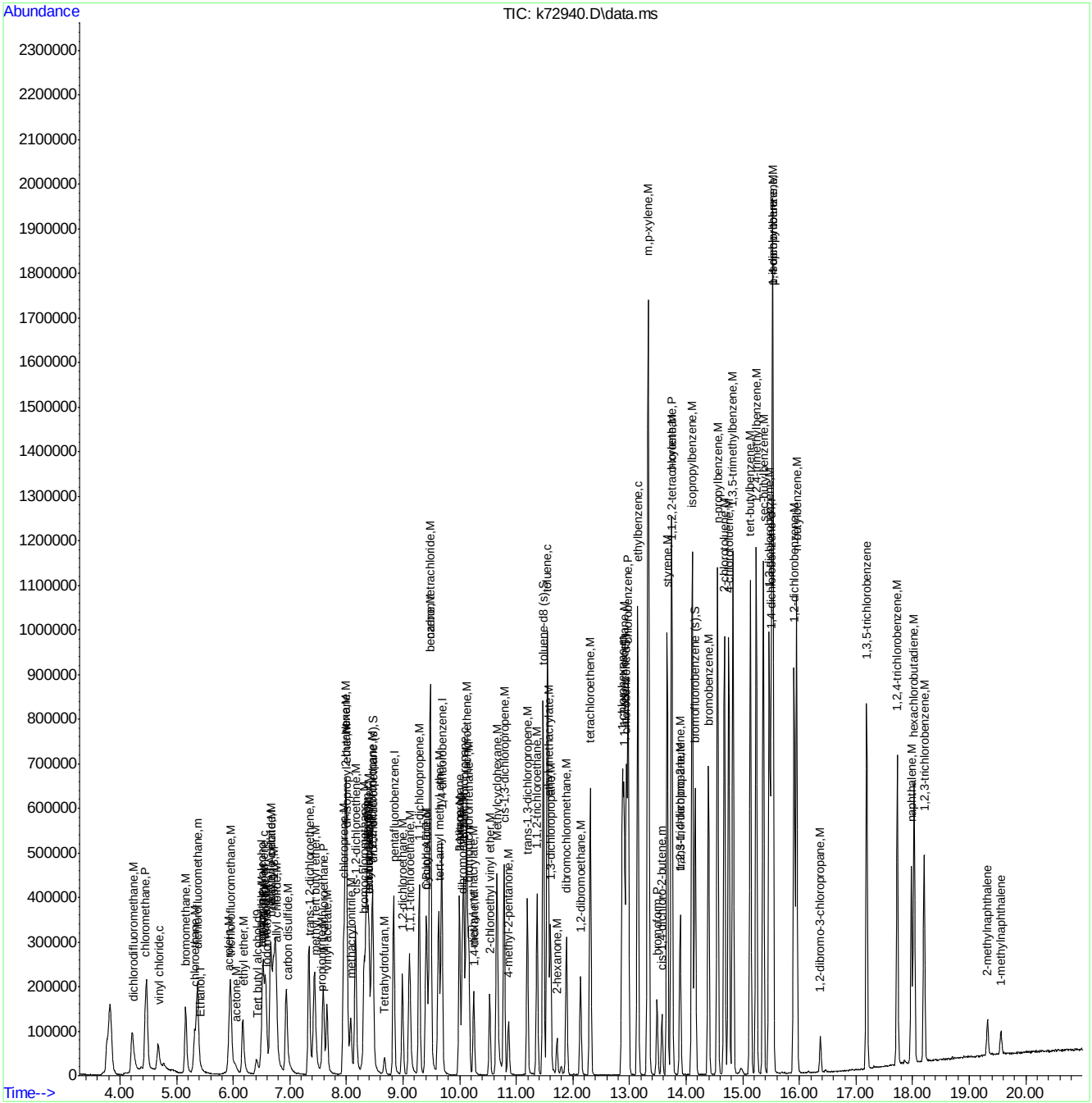
7.6.15

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72940.D
Acq On : 8 Aug 2013 12:14 am
Operator : GaryK
Sample : icc2374-50
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 08 08:28:39 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/08/13 17:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72941.D
Acq On : 8 Aug 2013 12:42 am
Operator : GaryK
Sample : ic2374-100
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 08 08:30:03 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.429	65	67262	500.00	ug/kg	0.00
4) pentafluorobenzene	8.840	168	375464	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.685	114	531139	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.939	82	228091	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.502	152	263372	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.470	113	362400	93.38	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 186.76%#			
63) toluene-d8 (s)	11.477	98	1269665	93.38	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 186.76%#			
87) bromofluorobenzene (s)	14.160	95	468035	94.31	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 188.62%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.511	59	174725	979.02	ug/kg	92
3) Ethanol	5.419	45	227384m	11130.74	ug/kg	
5) dichlorodifluoromethane	4.243	85	404465	88.43	ug/kg	92
6) chloromethane	4.457	50	267416	84.11	ug/kg	96
7) vinyl chloride	4.696	62	201099	90.30	ug/kg	97
8) bromomethane	5.172	96	270738	91.27	ug/kg	97
9) chloroethane	5.333	64	168184	89.81	ug/kg	96
10) dichlorofluoromethane	5.379	67	508799	89.05	ug/kg	100
11) ethyl ether	6.184	59	206186	93.16	ug/kg	95
12) acetonitrile	6.511	41	39013	88.63	ug/kg	92
13) trichlorofluoromethane	5.964	101	588273	91.23	ug/kg	98
14) freon-113	6.729	101	318235	89.15	ug/kg	89
15) acrolein	5.929	56	68755	512.83	ug/kg	98
16) 1,1-dichloroethene	6.544	96	306740	89.63	ug/kg	92
17) acetone	6.046	43	52211	91.47	ug/kg	90
18) Methyl Acetate	6.672	43	242209	91.36	ug/kg	93
19) methylene chloride	6.681	84	338494	89.11	ug/kg	92
20) methyl tert butyl ether	7.452	73	736057	94.41	ug/kg	97
21) acrylonitrile	6.551	53	68196	97.91	ug/kg	92
22) allyl chloride	6.770	41	410768	89.97	ug/kg	88
23) trans-1,2-dichloroethene	7.350	96	368187	90.47	ug/kg	97
24) iodomethane	6.590	142	647642m	90.47	ug/kg	
25) carbon disulfide	6.960	76	898844	90.86	ug/kg	99
26) propionitrile	7.566	54	25827	96.42	ug/kg	100
27) vinyl acetate	7.662	43	515473	96.93	ug/kg	95
28) chloroprene	7.962	53	400917	94.40	ug/kg	99
29) di-isopropyl ether	8.010	45	895308	89.25	ug/kg	93
30) methacrylonitrile	8.084	41	153452	95.21	ug/kg	87
31) 2-butanone	7.979	72	26349	93.03	ug/kg#	1
32) Hexane	7.993	41	398618	88.62	ug/kg#	75
33) 1,1-dichloroethane	7.603	63	475529	89.89	ug/kg	99
34) tert-butyl ethyl ether	8.401	59	773219	92.15	ug/kg	98
35) isobutyl alcohol	8.401	43	115106	426.67	ug/kg	95
36) 2,2-dichloropropane	8.459	77	332415	88.24	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72941.D
Acq On : 8 Aug 2013 12:42 am
Operator : GaryK
Sample : ic2374-100
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 08 08:30:03 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.171	96	407340	90.62	ug/kg	96
38) ethyl acetate	8.401	43	115106	89.63	ug/kg	96
39) bromochloromethane	8.320	128	207859	91.87	ug/kg	94
40) chloroform	8.361	83	556226	89.58	ug/kg	99
42) Tetrahydrofuran	8.676	42	56702	96.23	ug/kg	88
43) 1,1,1-trichloroethane	9.125	97	513001	91.96	ug/kg	98
44) n-Butyl Alcohol	9.422	56	429691	2265.05	ug/kg	89
46) Cyclohexane	9.422	56	428369	92.49	ug/kg	99
47) carbon tetrachloride	9.482	117	446637	93.57	ug/kg	98
48) 1,1-dichloropropene	9.288	75	436717	95.87	ug/kg	94
49) benzene	9.487	78	1259245	92.18	ug/kg	100
50) 1,2-dichloroethane	8.991	62	390658	96.52	ug/kg	97
51) tert-amyl methyl ether	9.636	73	759064	95.82	ug/kg	95
52) heptane	9.998	43	367889	95.56	ug/kg	83
53) 2-Nitropropane	9.998	43	367889	95.56	ug/kg	98
54) trichloroethene	10.122	95	391653	94.44	ug/kg	94
55) 1,2-dichloropropane	10.075	63	312854	92.82	ug/kg	98
56) dibromomethane	10.048	93	192763	96.41	ug/kg	96
57) bromodichloromethane	10.160	83	451404	95.25	ug/kg	98
58) Methylcyclohexane	10.670	83	529127	96.35	ug/kg	98
59) 2-chloroethyl vinyl ether	10.530	63	165362	102.02	ug/kg	98
60) methyl methacrylate	10.250	69	154981	102.89	ug/kg	83
61) 1,4-dioxane	10.258	88	11357	487.67	ug/kg	83
62) cis-1,3-dichloropropene	10.785	75	555634	95.80	ug/kg	93
64) 4-methyl-2-pentanone	10.864	43	191223	99.66	ug/kg	89
65) toluene	11.550	92	892421	92.79	ug/kg	95
66) trans-1,3-dichloropropene	11.196	75	463055	97.57	ug/kg	94
67) 1,1,2-trichloroethane	11.367	83	248466	94.98	ug/kg	96
68) ethyl methacrylate	11.569	69	287910	100.06	ug/kg	84
70) tetrachloroethene	12.307	166	452652	92.37	ug/kg	99
71) 1,3-dichloropropane	11.606	76	424922	92.08	ug/kg	99
72) dibromochloromethane	11.887	129	423382	98.62	ug/kg	97
73) 1,2-dibromoethane	12.135	107	346976	97.08	ug/kg	99
74) 2-hexanone	11.720	43	133905	102.02	ug/kg	92
75) chlorobenzene	12.976	112	1172179	90.44	ug/kg	96
76) 1-chlorohexane	12.872	91	509291	92.66	ug/kg	97
77) 1,1,1,2-tetrachloroethane	12.902	131	422591	89.73	ug/kg	98
78) ethylbenzene	13.146	91	1715134	90.51	ug/kg	100
79) m,p-xylene	13.330	106	1464250	182.28	ug/kg	99
80) o-xylene	13.743	106	720161	90.12	ug/kg	98
81) styrene	13.665	104	1210007	93.22	ug/kg	94
82) bromoform	13.487	173	214129	101.65	ug/kg	99
83) cis-1,4-dichloro-2-butene	13.573	88	89155	105.15	ug/kg	89
84) trans-1,4-dichloro-2-b...	13.893	53	54342	98.72	ug/kg#	72
86) isopropylbenzene	14.108	105	1837261	93.17	ug/kg	100
88) bromobenzene	14.395	156	544375	96.04	ug/kg	93
89) 1,1,2,2-tetrachloroethane	13.752	83	290688	95.42	ug/kg	98
90) 1,2,3-trichloropropane	13.894	75	302977	99.23	ug/kg	100
91) n-propylbenzene	14.555	91	1992234	92.61	ug/kg	98
92) 2-chlorotoluene	14.676	91	1222768	92.69	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72941.D
Acq On : 8 Aug 2013 12:42 am
Operator : GaryK
Sample : ic2374-100
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 08 08:30:03 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.753	91	1244850	93.21	ug/kg	96
94)	1,3,5-trimethylbenzene	14.827	105	1472876	92.72	ug/kg	100
95)	tert-butylbenzene	15.134	91	786947	92.18	ug/kg	94
96)	1,2,4-trimethylbenzene	15.238	105	1502771	93.48	ug/kg	100
97)	sec-butylbenzene	15.363	105	1872918	92.96	ug/kg	99
98)	1,3-dichlorobenzene	15.467	146	1019895	93.17	ug/kg	99
99)	p-isopropyltoluene	15.530	119	1455361	94.03	ug/kg	97
100)	1,4-dichlorobenzene	15.529	146	971853	95.47	ug/kg	97
101)	1,2-dichlorobenzene	15.907	146	961859	95.81	ug/kg	98
102)	n-butylbenzene	15.950	91	1300102	92.06	ug/kg	99
103)	1,2-dibromo-3-chloropr...	16.370	75	39279	101.66	ug/kg	95
104)	1,3,5-trichlorobenzene	17.189	180	600996	93.40	ug/kg	100
105)	1,2,4-trichlorobenzene	17.729	180	529010	94.91	ug/kg	99
106)	hexachlorobutadiene	18.026	225	283450	90.86	ug/kg	100
107)	naphthalene	17.978	128	852128	96.65	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	368039	95.07	ug/kg	98
109)	2-methylnaphthalene	19.322	142	107634	78.49	ug/kg	98
110)	1-methylnaphthalene	19.563	TIC	235703m	1577.60	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

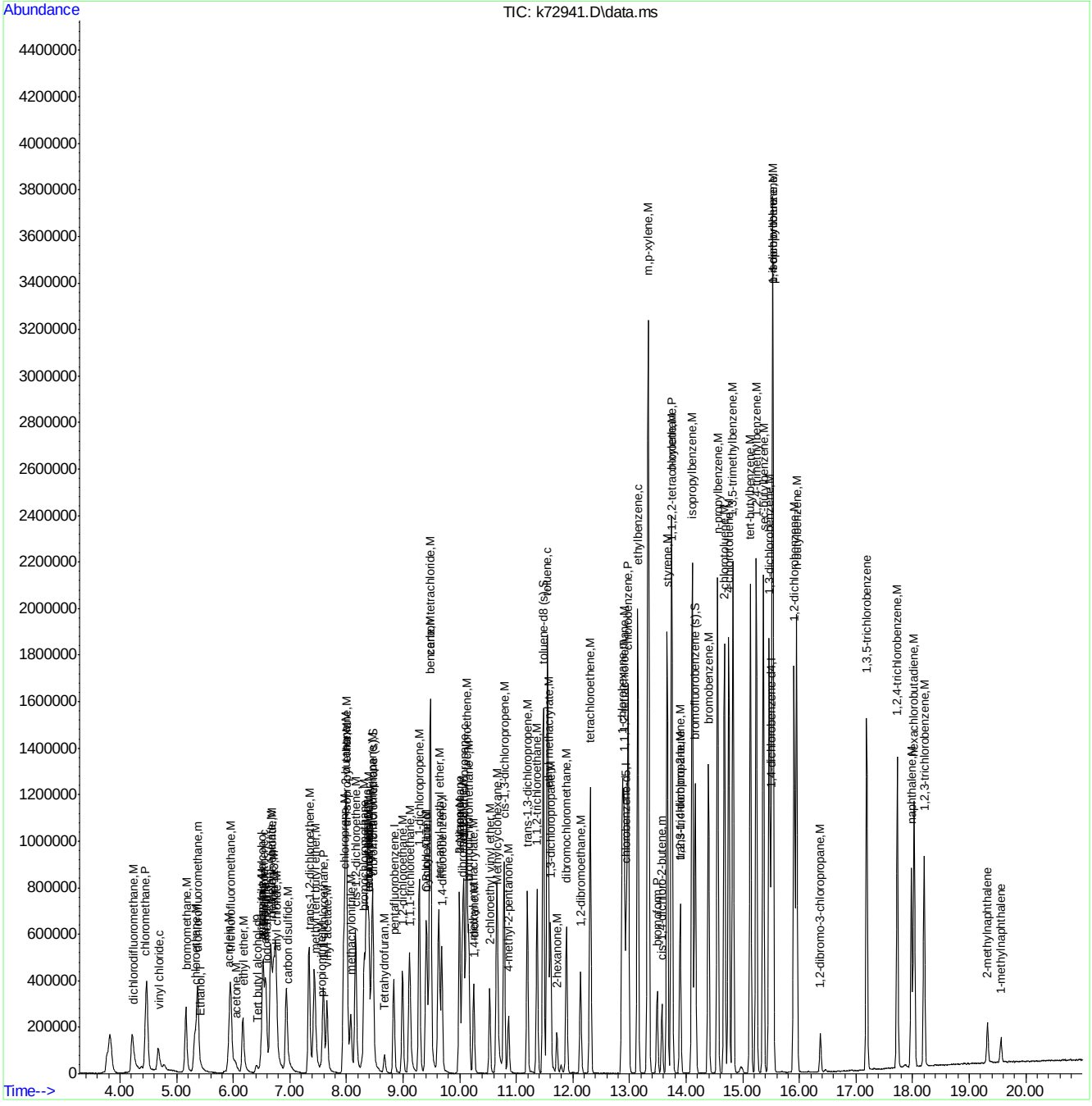
7.6.16

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72941.D
Acq On : 8 Aug 2013 12:42 am
Operator : GaryK
Sample : ic2374-100
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 08 08:30:03 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration



K72942.D

Manual Integrations APPROVED (compounds with "m" flag)

Amy Min Yang 08/08/13 17:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72942.D
Acq On : 8 Aug 2013 1:10 am
Operator : GaryK
Sample : ic2374-200
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Aug 08 08:32:49 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.431	65	68311	500.00	ug/kg	0.00
4) pentafluorobenzene	8.842	168	373317	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.687	114	518892	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.938	82	233393	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.502	152	260353	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.473	113	702029	181.93	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	363.86%#		
63) toluene-d8 (s)	11.478	98	2379089	179.10	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	358.20%#		
87) bromofluorobenzene (s)	14.160	95	912303	185.97	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	371.94%#		
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.512	59	343609	1895.75	ug/kg	93
3) Ethanol	5.426	45	443472m	21375.17	ug/kg	
5) dichlorodifluoromethane	4.247	85	443803	97.59	ug/kg	98
6) chloromethane	4.469	50	397131	125.62	ug/kg	99
7) vinyl chloride	4.703	62	271916	122.80	ug/kg	99
8) bromomethane	5.178	96	438039	148.51	ug/kg	99
9) chloroethane	5.337	64	257345	138.21	ug/kg	95
10) dichlorofluoromethane	5.384	67	785456	138.26	ug/kg	100
11) ethyl ether	6.187	59	396321	180.10	ug/kg	95
12) acetonitrile	6.512	41	76011	173.68	ug/kg	91
13) trichlorofluoromethane	5.968	101	668531	104.27	ug/kg	97
14) freon-113	6.732	101	333144	93.86	ug/kg	92
15) acrolein	5.934	56	139326	1045.18	ug/kg	99
16) 1,1-dichloroethene	6.547	96	412852	121.33	ug/kg	93
17) acetone	6.050	43	102223	180.11	ug/kg	99
18) Methyl Acetate	6.673	43	464083	176.06	ug/kg#	92
19) methylene chloride	6.685	84	595130	157.58	ug/kg	93
20) methyl tert butyl ether	7.454	73	1395329	180.00	ug/kg	100
21) acrylonitrile	6.558	53	135227	195.25	ug/kg	99
22) allyl chloride	6.772	41	657486	144.84	ug/kg	85
23) trans-1,2-dichloroethene	7.355	96	583412	144.18	ug/kg	95
24) iodomethane	6.594	142	1096744m	154.10	ug/kg	
25) carbon disulfide	6.961	76	1293006m	131.45	ug/kg	
26) propionitrile	7.564	54	49645	186.40	ug/kg	100
27) vinyl acetate	7.662	43	995185	188.20	ug/kg	94
28) chloroprene	7.964	53	562140	133.12	ug/kg	99
29) di-isopropyl ether	8.012	45	1615641	161.98	ug/kg	96
30) methacrylonitrile	8.083	41	285221	177.99	ug/kg	86
31) 2-butanone	7.979	72	49760	176.71	ug/kg#	15
32) Hexane	7.997	41	509308	113.88	ug/kg#	57
33) 1,1-dichloroethane	7.606	63	786546	149.54	ug/kg	99
34) tert-butyl ethyl ether	8.402	59	1436331	172.17	ug/kg	97
35) isobutyl alcohol	8.405	43	226258	843.50	ug/kg	95
36) 2,2-dichloropropane	8.461	77	480882	128.39	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72942.D
Acq On : 8 Aug 2013 1:10 am
Operator : GaryK
Sample : ic2374-200
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Aug 08 08:32:49 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.173	96	705132	157.78	ug/kg	95
38) ethyl acetate	8.405	43	224662	175.95	ug/kg	97
39) bromochloromethane	8.323	128	389603	173.20	ug/kg	95
40) chloroform	8.363	83	949942	153.87	ug/kg	100
42) Tetrahydrofuran	8.677	42	113910	194.43	ug/kg	91
43) 1,1,1-trichloroethane	9.126	97	732994	132.15	ug/kg	98
44) n-Butyl Alcohol	9.423	56	463525	2457.45	ug/kg	90
46) Cyclohexane	9.423	56	463850	102.52	ug/kg	97
47) carbon tetrachloride	9.483	117	586086	125.69	ug/kg	99
48) 1,1-dichloropropene	9.290	75	596583	134.06	ug/kg	93
49) benzene	9.489	78	2064600	154.70	ug/kg	99
50) 1,2-dichloroethane	8.992	62	732978	185.38	ug/kg	98
51) tert-amyl methyl ether	9.636	73	1445128	186.74	ug/kg	94
52) heptane	10.000	43	386425	102.74	ug/kg	84
53) 2-Nitropropane	10.000	43	386425	102.74	ug/kg	98
54) trichloroethene	10.124	95	601703	148.51	ug/kg	94
55) 1,2-dichloropropane	10.076	63	547957	166.41	ug/kg	99
56) dibromomethane	10.048	93	370619	189.75	ug/kg	95
57) bromodichloromethane	10.162	83	822896	177.73	ug/kg	100
58) Methylcyclohexane	10.666	83	545857	101.74	ug/kg	99
59) 2-chloroethyl vinyl ether	10.531	63	329606	208.14	ug/kg	98
60) methyl methacrylate	10.250	69	311311	211.56	ug/kg	84
61) 1,4-dioxane	10.260	88	22587	992.78	ug/kg	87
62) cis-1,3-dichloropropene	10.785	75	1016911	179.47	ug/kg	93
64) 4-methyl-2-pentanone	10.864	43	377773	201.53	ug/kg	89
65) toluene	11.550	92	1442720	153.55	ug/kg	98
66) trans-1,3-dichloropropene	11.196	75	879163	189.62	ug/kg	94
67) 1,1,2-trichloroethane	11.368	83	474473	185.65	ug/kg	97
68) ethyl methacrylate	11.569	69	564337	200.76	ug/kg	83
70) tetrachloroethene	12.308	166	639423	127.53	ug/kg	100
71) 1,3-dichloropropane	11.607	76	795017	168.36	ug/kg	99
72) dibromochloromethane	11.887	129	819242	186.50	ug/kg	99
73) 1,2-dibromoethane	12.136	107	666237	182.18	ug/kg	100
74) 2-hexanone	11.719	43	267293	199.03	ug/kg	93
75) chlorobenzene	12.977	112	2004687	151.15	ug/kg	97
76) 1-chlorohexane	12.873	91	671685	119.43	ug/kg	98
77) 1,1,1,2-tetrachloroethane	12.903	131	752260	156.09	ug/kg	98
78) ethylbenzene	13.147	91	2702549	139.38	ug/kg	99
79) m,p-xylene	13.330	106	2315738	281.73	ug/kg	96
80) o-xylene	13.743	106	1206062	147.49	ug/kg	98
81) styrene	13.666	104	2115051	159.25	ug/kg	94
82) bromoform	13.487	173	441111	204.65	ug/kg	99
83) cis-1,4-dichloro-2-butene	13.574	88	180643	208.21	ug/kg	90
84) trans-1,4-dichloro-2-b...	13.894	53	111060	197.18	ug/kg#	81
86) isopropylbenzene	14.108	105	2780783	142.65	ug/kg	99
88) bromobenzene	14.395	156	971643	173.40	ug/kg	93
89) 1,1,2,2-tetrachloroethane	13.753	83	553756	183.89	ug/kg	99
90) 1,2,3-trichloropropane	13.894	75	598036	198.13	ug/kg	99
91) n-propylbenzene	14.555	91	3010161	141.56	ug/kg	96
92) 2-chlorotoluene	14.676	91	2022243	155.07	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72942.D
Acq On : 8 Aug 2013 1:10 am
Operator : GaryK
Sample : ic2374-200
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Aug 08 08:32:49 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.753	91	2084748	157.91	ug/kg	94
94)	1,3,5-trimethylbenzene	14.827	105	2326744	148.17	ug/kg	100
95)	tert-butylbenzene	15.134	91	1155288	136.90	ug/kg	93
96)	1,2,4-trimethylbenzene	15.238	105	2451578	154.26	ug/kg	99
97)	sec-butylbenzene	15.363	105	2674374	134.27	ug/kg	100
98)	1,3-dichlorobenzene	15.467	146	1761296	162.77	ug/kg	98
99)	p-isopropyltoluene	15.530	119	2155488	140.88	ug/kg	98
100)	1,4-dichlorobenzene	15.529	146	1712115	170.14	ug/kg	97
101)	1,2-dichlorobenzene	15.907	146	1706451	171.95	ug/kg	98
102)	n-butylbenzene	15.950	91	1846052	132.23	ug/kg	97
103)	1,2-dibromo-3-chloropr...	16.371	75	79592	208.39	ug/kg	94
104)	1,3,5-trichlorobenzene	17.189	180	971440	152.71	ug/kg	100
105)	1,2,4-trichlorobenzene	17.729	180	886477	160.88	ug/kg	100
106)	hexachlorobutadiene	18.026	225	374322	121.38	ug/kg	97
107)	naphthalene	17.978	128	1602981	183.93	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	639922	167.21	ug/kg	99
109)	2-methylnaphthalene	19.323	142	199801m	147.39	ug/kg	
110)	1-methylnaphthalene	19.559	TIC	405926m	2748.44	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

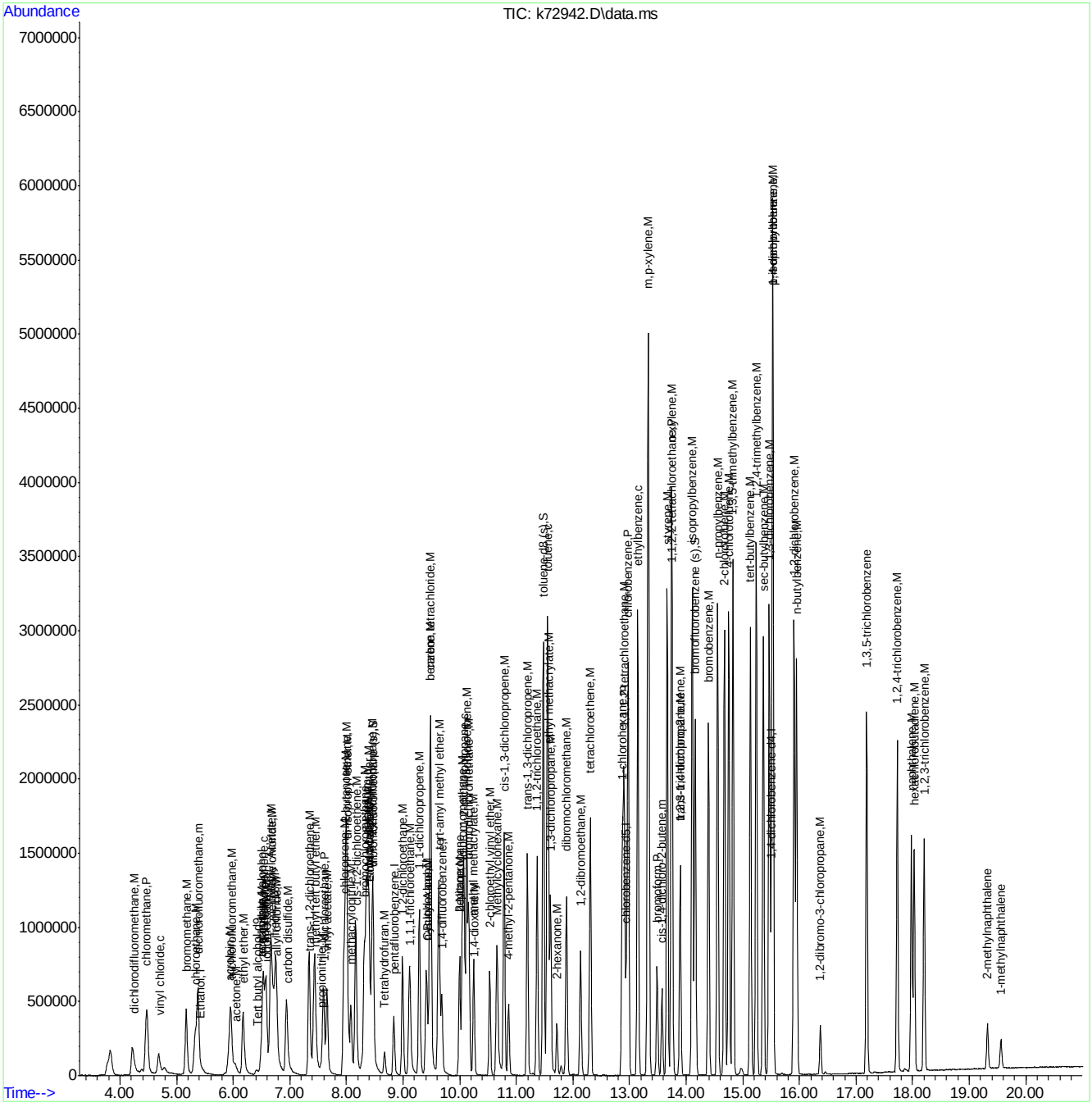
7.6.17

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72942.D
Acq On : 8 Aug 2013 1:10 am
Operator : GaryK
Sample : ic2374-200
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Aug 08 08:32:49 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/08/13 17:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72943.D
Acq On : 8 Aug 2013 1:38 am
Operator : GaryK
Sample : ic2374-400
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Aug 08 08:34:53 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert butyl alcohol-d9	6.433	65	67244	500.00	ug/kg		0.00
4) pentafluorobenzene	8.845	168	375514	50.00	ug/kg		0.00
45) 1,4-difluorobenzene	9.690	114	512396	50.00	ug/kg		0.00
69) chlorobenzene-d5	12.935	82	259101	50.00	ug/kg	#	0.00
85) 1,4-dichlorobenzene-d4	15.503	152	253557	50.00	ug/kg		0.00
System Monitoring Compounds							
41) dibromofluoromethane (s)	8.477	113	1376189	354.56	ug/kg		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 709.12%#				
63) toluene-d8 (s)	11.479	98	4511791	343.96	ug/kg		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 687.92%#				
87) bromofluorobenzene (s)	14.161	95	1762456	368.90	ug/kg		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 737.80%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.512	59	692258	3879.92	ug/kg		96
3) Ethanol	5.429	45	881247m	43149.73	ug/kg		
5) dichlorodifluoromethane	4.251	85	1442950	315.43	ug/kg		100
6) chloromethane	4.482	50	812574	255.53	ug/kg		92
7) vinyl chloride	4.711	62	697251	313.04	ug/kg		95
8) bromomethane	5.180	96	955721	322.13	ug/kg		96
9) chloroethane	5.336	64	614880	328.30	ug/kg		97
10) dichlorofluoromethane	5.383	67	1773930m	310.42	ug/kg		
11) ethyl ether	6.190	59	786970	355.53	ug/kg		98
12) acetonitrile	6.512	41	143105	325.08	ug/kg		89
13) trichlorofluoromethane	5.969	101	2028889m	314.60	ug/kg		
14) freon-113	6.731	101	1130527	316.66	ug/kg		90
15) acrolein	5.933	56	285459	2128.89	ug/kg		96
16) 1,1-dichloroethene	6.547	96	1087969	317.88	ug/kg		91
17) acetone	6.048	43	193869	339.59	ug/kg		92
18) Methyl Acetate	6.675	43	886119	334.19	ug/kg#		93
19) methylene chloride	6.687	84	1222205	321.73	ug/kg		93
20) methyl tert butyl ether	7.454	73	2831216	363.10	ug/kg		99
21) acrylonitrile	6.558	53	257682	369.89	ug/kg		98
22) allyl chloride	6.776	41	1485766	325.39	ug/kg		87
23) trans-1,2-dichloroethene	7.356	96	1362210	334.68	ug/kg		95
24) iodomethane	6.594	142	2421189m	338.19	ug/kg		
25) carbon disulfide	6.961	76	3318516m	335.40	ug/kg		
26) propionitrile	7.567	54	102813	383.78	ug/kg		100
27) vinyl acetate	7.663	43	2010989	378.08	ug/kg		97
28) chloroprene	7.967	53	1432373	337.21	ug/kg		96
29) di-isopropyl ether	8.015	45	3179015	316.86	ug/kg		96
30) methacrylonitrile	8.086	41	606883	376.51	ug/kg		86
31) 2-butanone	7.980	72	98393	347.37	ug/kg#		1
32) Hexane	7.997	41	1322954	294.09	ug/kg#		74
33) 1,1-dichloroethane	7.608	63	1720867	325.26	ug/kg		99
34) tert-butyl ethyl ether	8.404	59	2924864	348.54	ug/kg		97
35) isobutyl alcohol	8.407	43	447605	1658.94	ug/kg		95
36) 2,2-dichloropropane	8.463	77	1188203	315.37	ug/kg		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72943.D
Acq On : 8 Aug 2013 1:38 am
Operator : GaryK
Sample : ic2374-400
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Aug 08 08:34:53 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.176	96	1504011	334.56	ug/kg	93
38) ethyl acetate	8.406	43	441522	343.77	ug/kg	98
39) bromochloromethane	8.326	128	802183	354.52	ug/kg	94
40) chloroform	8.368	83	1979984	318.84	ug/kg	98
42) Tetrahydrofuran	8.682	42	236640	401.56	ug/kg	91
43) 1,1,1-trichloroethane	9.128	97	1856402	332.73	ug/kg	98
44) n-Butyl Alcohol	9.424	56	1534768	8089.21	ug/kg	88
46) Cyclohexane	9.424	56	1532035	342.90	ug/kg	99
47) carbon tetrachloride	9.485	117	1603491	348.23	ug/kg	99
48) 1,1-dichloropropene	9.293	75	1541190	350.71	ug/kg	93
49) benzene	9.493	78	4391423	333.23	ug/kg	99
50) 1,2-dichloroethane	8.994	62	1474032	377.53	ug/kg	99
51) tert-amyl methyl ether	9.637	73	2922128	382.38	ug/kg	93
52) heptane	10.001	43	1325370	356.84	ug/kg	86
53) 2-Nitropropane	10.001	43	1325370	356.84	ug/kg	100
54) trichloroethene	10.126	95	1398659	349.58	ug/kg	92
55) 1,2-dichloropropane	10.078	63	1116109	343.26	ug/kg	100
56) dibromomethane	10.049	93	722858	374.77	ug/kg	94
57) bromodichloromethane	10.164	83	1720682	376.35	ug/kg	99
58) Methylcyclohexane	10.673	83	1939975	366.16	ug/kg	98
59) 2-chloroethyl vinyl ether	10.530	63	679199	434.34	ug/kg	97
60) methyl methacrylate	10.249	69	633908	436.25	ug/kg	85
61) 1,4-dioxane	10.260	88	46646	2076.25	ug/kg	92
62) cis-1,3-dichloropropene	10.786	75	2087457	373.09	ug/kg	91
64) 4-methyl-2-pentanone	10.864	43	762634	412.01	ug/kg	90
65) toluene	11.551	92	3181740	342.92	ug/kg	99
66) trans-1,3-dichloropropene	11.196	75	1804901	394.22	ug/kg	92
67) 1,1,2-trichloroethane	11.368	83	946027	374.85	ug/kg	97
68) ethyl methacrylate	11.570	69	1139935	410.67	ug/kg	86
70) tetrachloroethene	12.308	166	1629050	292.66	ug/kg	100
71) 1,3-dichloropropane	11.607	76	1622375	309.48	ug/kg	100
72) dibromochloromethane	11.888	129	1722658	353.26	ug/kg	99
73) 1,2-dibromoethane	12.136	107	1367120	336.73	ug/kg	98
74) 2-hexanone	11.718	43	548283	367.75	ug/kg	93
75) chlorobenzene	12.977	112	4296678	291.82	ug/kg	96
76) 1-chlorohexane	12.873	91	1848739	296.10	ug/kg	99
77) 1,1,1,2-tetrachloroethane	12.904	131	1562326	292.02	ug/kg	99
78) ethylbenzene	13.147	91	6034379	280.34	ug/kg	97
79) m,p-xylene	13.331	106	5084738	557.22	ug/kg	94
80) o-xylene	13.744	106	2627800	289.48	ug/kg	95
81) styrene	13.666	104	4475371	303.53	ug/kg	95
82) bromoform	13.488	173	959564	401.01	ug/kg	97
83) cis-1,4-dichloro-2-butene	13.574	88	383810	398.49	ug/kg	91
84) trans-1,4-dichloro-2-b...	13.894	53	228240	365.02	ug/kg#	80
86) isopropylbenzene	14.109	105	6381231	336.12	ug/kg	95
88) bromobenzene	14.395	156	2057822	377.09	ug/kg	91
89) 1,1,2,2-tetrachloroethane	13.754	83	1077226	367.31	ug/kg	98
90) 1,2,3-trichloropropane	13.895	75	1205108	409.95	ug/kg	100
91) n-propylbenzene	14.556	91	6882747	332.35	ug/kg	92
92) 2-chlorotoluene	14.677	91	4353260	342.77	ug/kg	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72943.D
Acq On : 8 Aug 2013 1:38 am
Operator : GaryK
Sample : ic2374-400
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Aug 08 08:34:53 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.753	91	4426172	344.24	ug/kg	91
94)	1,3,5-trimethylbenzene	14.828	105	5188154	339.24	ug/kg	98
95)	tert-butylbenzene	15.135	91	2666405	324.43	ug/kg	95
96)	1,2,4-trimethylbenzene	15.240	105	5283336	341.36	ug/kg	96
97)	sec-butylbenzene	15.364	105	6457519	332.91	ug/kg	96
98)	1,3-dichlorobenzene	15.468	146	3712287	352.26	ug/kg	98
99)	p-isopropyltoluene	15.530	119	5060468	339.61	ug/kg	97
100)	1,4-dichlorobenzene	15.531	146	3432317	350.23	ug/kg	98
101)	1,2-dichlorobenzene	15.908	146	3522690	364.48	ug/kg	97
102)	n-butylbenzene	15.951	91	4446121	327.01	ug/kg	93
103)	1,2-dibromo-3-chloropr...	16.371	75	169024	454.40	ug/kg	97
104)	1,3,5-trichlorobenzene	17.189	180	2224009	358.99	ug/kg	99
105)	1,2,4-trichlorobenzene	17.730	180	2036423	379.49	ug/kg	98
106)	hexachlorobutadiene	18.026	225	999785	332.90	ug/kg	98
107)	naphthalene	17.978	128	3447299	406.15	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	1475833	395.97	ug/kg	99
109)	2-methylnaphthalene	19.323	142	468079m	354.54	ug/kg	
110)	1-methylnaphthalene	19.559	TIC	950549m	6608.48	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

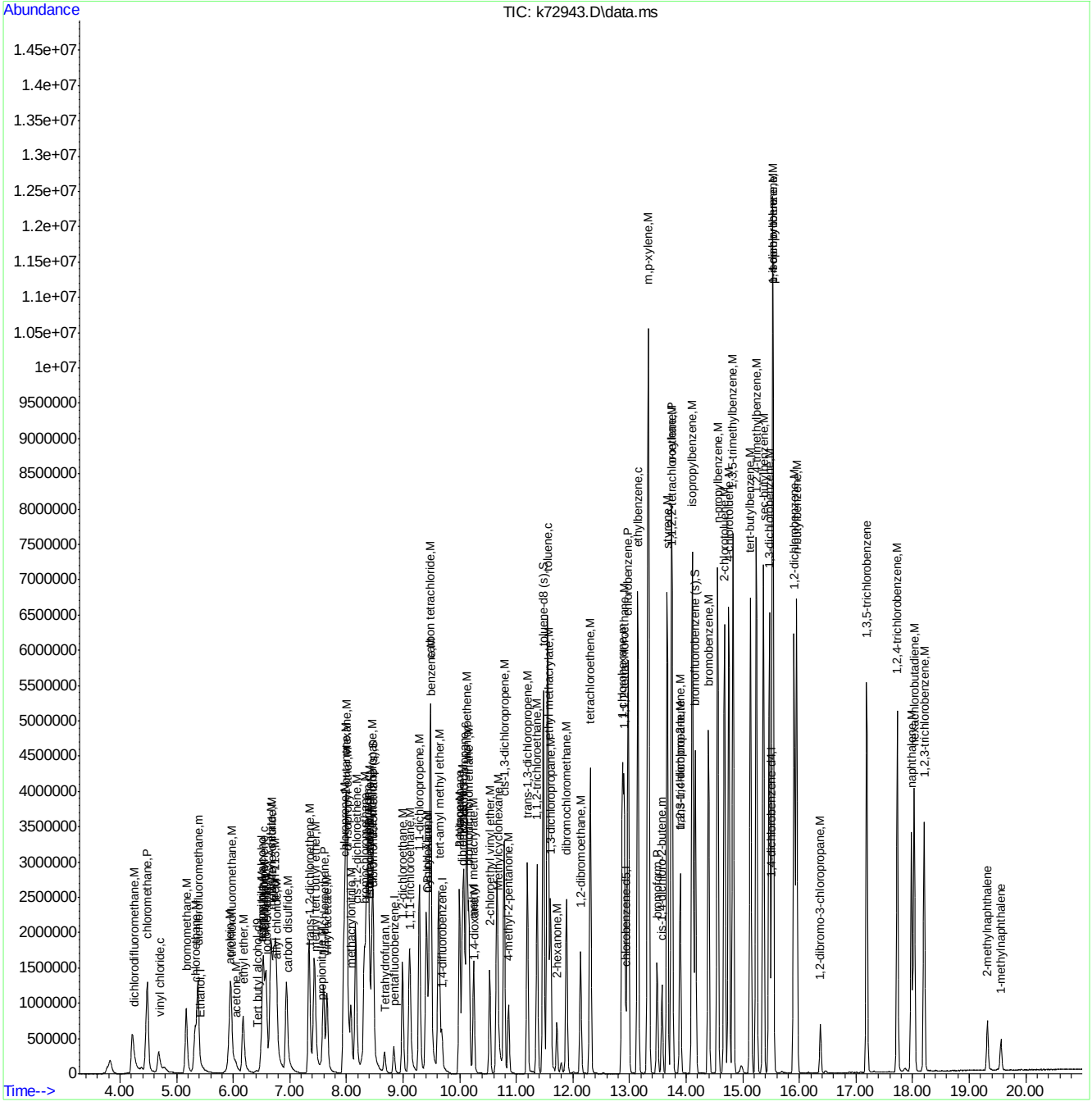
7.6.18

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72943.D
Acq On : 8 Aug 2013 1:38 am
Operator : GaryK
Sample : ic2374-400
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Aug 08 08:34:53 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 07:47:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/08/13 17:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72946.D
Acq On : 8 Aug 2013 3:02 am
Operator : GaryK
Sample : icv2374-50
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Aug 08 09:22:43 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.433	65	68272	500.00	ug/kg	0.00
4) pentafluorobenzene	8.840	168	365285	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.686	114	525542	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.941	82	220553	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.502	152	255731	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.471	113	191470	50.64	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.28%			
63) toluene-d8 (s)	11.478	98	691573	52.49	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.98%			
87) bromofluorobenzene (s)	14.161	95	247107	50.55	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.10%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.513	59	94746	542.33	ug/kg	87
3) Ethanol	5.374	45	93505	4256.31	ug/kg#	100
5) dichlorodifluoromethane	4.248	85	221483	56.09	ug/kg	97
6) chloromethane	4.456	50	173631	74.48	ug/kg	99
7) vinyl chloride	4.695	62	90717	47.07	ug/kg	94
8) bromomethane	5.177	96	160746	57.49	ug/kg	97
9) chloroethane	5.337	64	97675	58.56	ug/kg	96
10) dichlorofluoromethane	5.383	67	301533	59.67	ug/kg	100
11) ethyl ether	6.187	59	107167	54.13	ug/kg	98
12) acetonitrile	6.512	41	21555	51.69	ug/kg	91
13) trichlorofluoromethane	5.967	101	311886	54.44	ug/kg	99
14) freon-113	6.732	101	187761	59.01	ug/kg	92
15) acrolein	5.949	56	4324	35.12	ug/kg	95
16) 1,1-dichloroethene	6.548	96	181561	58.03	ug/kg	90
17) acetone	6.048	43	28858	53.83	ug/kg	97
18) Methyl Acetate	6.678	43	99141	40.82	ug/kg#	90
19) methylene chloride	6.685	84	186342	54.24	ug/kg	95
20) methyl tert butyl ether	7.454	73	372751	52.99	ug/kg	98
21) acrylonitrile	6.558	53	34590	53.20	ug/kg	89
22) allyl chloride	6.773	41	225888	56.44	ug/kg	85
23) trans-1,2-dichloroethene	7.352	96	201561	53.99	ug/kg	96
24) iodomethane	6.595	142	364074	58.19	ug/kg	93
25) carbon disulfide	6.964	76	515099m	59.49	ug/kg	
26) propionitrile	7.569	54	12181	50.00	ug/kg	100
27) vinyl acetate	7.664	43	185622	39.73	ug/kg	97
28) chloroprene	7.961	53	233143	62.98	ug/kg	99
29) di-isopropyl ether	8.010	45	467750	52.75	ug/kg	90
30) methacrylonitrile	8.081	41	72616	49.91	ug/kg	92
31) 2-butanone	7.982	72	13082	50.42	ug/kg#	1
32) Hexane	7.994	41	222836	53.92	ug/kg#	79
33) 1,1-dichloroethane	7.603	63	282411	59.87	ug/kg	97
34) tert-butyl ethyl ether	8.402	59	413587	55.74	ug/kg	98
35) isobutyl alcohol	8.408	43	68149	283.71	ug/kg	96
36) 2,2-dichloropropane	8.460	77	186845	54.92	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72946.D
Acq On : 8 Aug 2013 3:02 am
Operator : GaryK
Sample : icv2374-50
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Aug 08 09:22:43 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.172	96	219468	52.61	ug/kg	95
38) ethyl acetate	8.408	43	68149	56.86	ug/kg	100
39) bromochloromethane	8.321	128	120851	59.06	ug/kg	97
40) chloroform	8.361	83	325363	59.35	ug/kg	100
42) Tetrahydrofuran	8.677	42	27949	49.35	ug/kg	91
43) 1,1,1-trichloroethane	9.126	97	301080	61.08	ug/kg	98
44) n-Butyl Alcohol	9.426	56	240009	1456.77	ug/kg#	32
46) Cyclohexane	9.426	56	239881	58.33	ug/kg	98
47) carbon tetrachloride	9.482	117	265594	61.24	ug/kg	99
48) 1,1-dichloropropene	9.289	75	239039	57.47	ug/kg	94
49) benzene	9.487	78	691720	53.12	ug/kg	98
50) 1,2-dichloroethane	8.992	62	200754	53.11	ug/kg	96
51) tert-amyl methyl ether	9.637	73	399832	54.35	ug/kg	93
52) heptane	9.999	43	192861	55.63	ug/kg	86
53) 2-Nitropropane	9.999	43	192861	54.39	ug/kg	97
54) trichloroethene	10.123	95	209111	53.31	ug/kg	97
55) 1,2-dichloropropane	10.075	63	165954	53.84	ug/kg	100
56) dibromomethane	10.048	93	110693	59.60	ug/kg	97
57) bromodichloromethane	10.161	83	237362	54.63	ug/kg	99
58) Methylcyclohexane	10.665	83	278626	56.77	ug/kg	99
59) 2-chloroethyl vinyl ether	10.532	63	48575	31.41	ug/kg	98
60) methyl methacrylate	10.251	69	75969	52.51	ug/kg	85
61) 1,4-dioxane	10.249	88	5701	252.87	ug/kg	88
62) cis-1,3-dichloropropene	10.786	75	274078	52.33	ug/kg	93
64) 4-methyl-2-pentanone	10.866	43	95877	55.26	ug/kg	89
65) toluene	11.550	92	491554	56.15	ug/kg	97
66) trans-1,3-dichloropropene	11.197	75	236807	55.56	ug/kg	97
67) 1,1,2-trichloroethane	11.368	83	126273	52.07	ug/kg	96
68) ethyl methacrylate	11.571	69	146026	54.16	ug/kg	81
70) tetrachloroethene	12.308	166	270968	63.36	ug/kg	99
71) 1,3-dichloropropane	11.607	76	218262	52.27	ug/kg	99
72) dibromochloromethane	11.887	129	212997	57.10	ug/kg	100
73) 1,2-dibromoethane	12.136	107	174330	54.88	ug/kg	100
74) 2-hexanone	11.720	43	64285	55.15	ug/kg	92
75) chlorobenzene	12.977	112	607169	51.99	ug/kg	96
76) 1-chlorohexane	12.874	91	276377	61.28	ug/kg	97
77) 1,1,1,2-tetrachloroethane	12.903	131	223743	54.76	ug/kg	98
78) ethylbenzene	13.147	91	925890	56.77	ug/kg	99
79) m,p-xylene	13.331	106	777109	111.83	ug/kg	99
80) o-xylene	13.743	106	375127	54.57	ug/kg	99
81) styrene	13.666	104	618975	55.84	ug/kg	95
82) bromoform	13.488	173	112677	60.41	ug/kg	98
83) cis-1,4-dichloro-2-butene	13.574	88	41344	50.74	ug/kg	89
84) trans-1,4-dichloro-2-b...	13.894	53	26418	54.07	ug/kg#	58
86) isopropylbenzene	14.109	105	961752	56.22	ug/kg	98
88) bromobenzene	14.395	156	285306	55.21	ug/kg	94
89) 1,1,2,2-tetrachloroethane	13.752	83	149103	52.67	ug/kg	100
90) 1,2,3-trichloropropane	13.895	75	152102	54.27	ug/kg	98
91) n-propylbenzene	14.556	91	1030346	55.39	ug/kg	99
92) 2-chlorotoluene	14.677	91	625708	53.43	ug/kg	98

ACCUTEST LABORATORIES MC23272

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72946.D
Acq On : 8 Aug 2013 3:02 am
Operator : GaryK
Sample : icv2374-50
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Aug 08 09:22:43 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

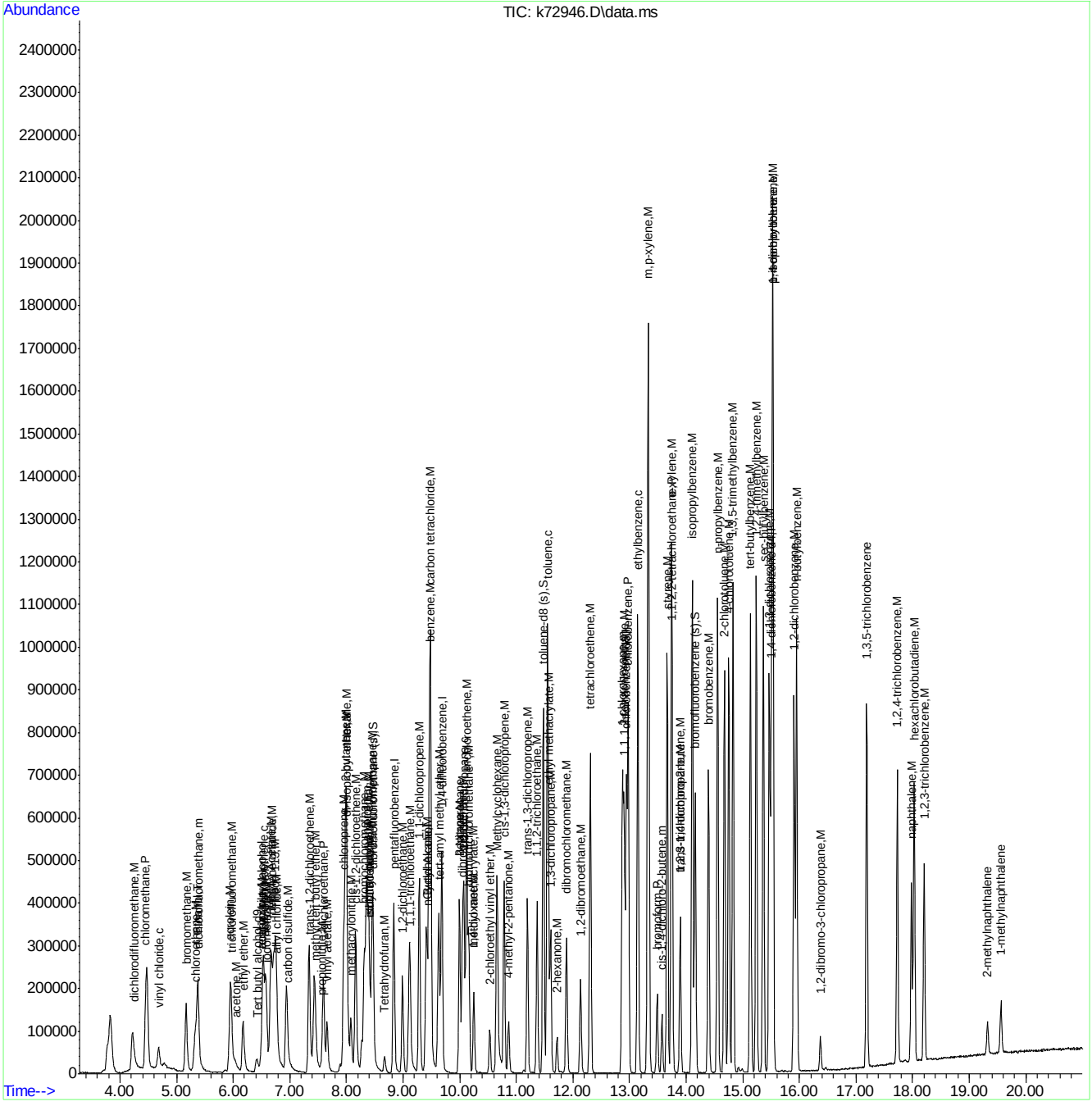
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 4-chlorotoluene	14.753	91	650110	54.75	ug/kg	95
94) 1,3,5-trimethylbenzene	14.827	105	767757	55.29	ug/kg	98
95) tert-butylbenzene	15.135	91	404777	55.20	ug/kg	93
96) 1,2,4-trimethylbenzene	15.239	105	783339	55.53	ug/kg	97
97) sec-butylbenzene	15.363	105	964606	55.00	ug/kg	98
98) 1,3-dichlorobenzene	15.467	146	516572	52.54	ug/kg	96
99) p-isopropyltoluene	15.530	119	805682	58.26	ug/kg	98
100) 1,4-dichlorobenzene	15.529	146	514045	54.74	ug/kg	98
101) 1,2-dichlorobenzene	15.908	146	476405	52.94	ug/kg	98
102) n-butylbenzene	15.951	91	692215	56.76	ug/kg	100
103) 1,2-dibromo-3-chloropr...	16.371	75	19420	50.07	ug/kg	92
104) 1,3,5-trichlorobenzene	17.189	180	338293	59.72	ug/kg	99
105) 1,2,4-trichlorobenzene	17.730	180	269633	54.59	ug/kg	100
106) hexachlorobutadiene	18.026	225	162187	56.73	ug/kg	100
107) naphthalene	17.979	128	416237	53.30	ug/kg	100
108) 1,2,3-trichlorobenzene	18.204	180	187727	53.87	ug/kg	99
109) 2-methylnaphthalene	19.323	142	49358m	23.95	ug/kg	
110) 1-methylnaphthalene	19.559	TIC	255934m	55.42	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130807\
Data File : k72946.D
Acq On : 8 Aug 2013 3:02 am
Operator : GaryK
Sample : icv2374-50
Misc : ms29614,msk2374,10,,100,10,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Aug 08 09:22:43 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 08/09/13 09:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72949.D
Acq On : 8 Aug 2013 8:58 am
Operator : GaryK
Sample : cc2374-50
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 08 09:47:03 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.420	65	58282	500.00	ug/kg	0.00
4) pentafluorobenzene	8.835	168	375059	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.682	114	535064	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.940	82	224425	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.500	152	269400	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.464	113	182830	47.09	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.18%			
63) toluene-d8 (s)	11.476	98	654531	48.79	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.58%			
87) bromofluorobenzene (s)	14.159	95	236435	45.92	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.84%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.506	59	79672	534.22	ug/kg	93
3) Ethanol	5.361	45	95782	5107.29	ug/kg#	100
5) dichlorodifluoromethane	4.228	85	232130	57.25	ug/kg	98
6) chloromethane	4.441	50	163576m	67.07	ug/kg	
7) vinyl chloride	4.677	62	116628	58.94	ug/kg	97
8) bromomethane	5.168	96	148331	51.67	ug/kg	98
9) chloroethane	5.329	64	95873	55.98	ug/kg	98
10) dichlorofluoromethane	5.374	67	284801	54.89	ug/kg	100
11) ethyl ether	6.174	59	99978	49.19	ug/kg	96
12) acetonitrile	6.505	41	17675	41.28	ug/kg	90
13) trichlorofluoromethane	5.958	101	315949	53.71	ug/kg	97
14) freon-113	6.727	101	178715	54.70	ug/kg	94
15) acrolein	5.921	56	31898	252.36	ug/kg	95
16) 1,1-dichloroethene	6.539	96	171040	53.25	ug/kg	90
17) acetone	6.044	43	23569	42.82	ug/kg	92
18) Methyl Acetate	6.665	43	113239	45.41	ug/kg#	89
19) methylene chloride	6.674	84	185089	52.47	ug/kg	92
20) methyl tert butyl ether	7.446	73	353353	48.93	ug/kg	97
21) acrylonitrile	6.544	53	32379	48.50	ug/kg	94
22) allyl chloride	6.760	41	224225	54.56	ug/kg	86
23) trans-1,2-dichloroethene	7.348	96	202904	52.93	ug/kg	98
24) iodomethane	6.585	142	368769	57.41	ug/kg	97
25) carbon disulfide	6.954	76	495675	55.75	ug/kg	100
26) propionitrile	7.561	54	11529	46.09	ug/kg	100
27) vinyl acetate	7.658	43	244433	50.96	ug/kg	94
28) chloroprene	7.953	53	204806	53.88	ug/kg	97
29) di-isopropyl ether	8.004	45	473020	51.95	ug/kg	88
30) methacrylonitrile	8.077	41	67350	45.08	ug/kg	87
31) 2-butanone	7.979	72	11424	42.88	ug/kg#	1
32) Hexane	7.989	41	229002	53.97	ug/kg#	78
33) 1,1-dichloroethane	7.593	63	250968	51.81	ug/kg	99
34) tert-butyl ethyl ether	8.394	59	390099	51.21	ug/kg	97
35) isobutyl alcohol	8.400	43	61485	249.30	ug/kg	97
36) 2,2-dichloropropane	8.455	77	216463	61.97	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72949.D
Acq On : 8 Aug 2013 8:58 am
Operator : GaryK
Sample : cc2374-50
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 08 09:47:03 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.161	96	211208	49.31	ug/kg	95
38) ethyl acetate	8.401	43	61568	50.03	ug/kg	98
39) bromochloromethane	8.313	128	106248	50.57	ug/kg	96
40) chloroform	8.354	83	295086	52.43	ug/kg	100
42) Tetrahydrofuran	8.672	42	24844	42.73	ug/kg	85
43) 1,1,1-trichloroethane	9.121	97	275444	54.42	ug/kg	98
44) n-Butyl Alcohol	9.420	56	232605	1375.04	ug/kg	90
46) Cyclohexane	9.420	56	232605	55.55	ug/kg	98
47) carbon tetrachloride	9.478	117	240527	54.47	ug/kg	99
48) 1,1-dichloropropene	9.285	75	229008	54.08	ug/kg	94
49) benzene	9.483	78	662498	49.97	ug/kg	100
50) 1,2-dichloroethane	8.988	62	188925	49.09	ug/kg	98
51) tert-amyl methyl ether	9.632	73	374703	50.03	ug/kg	94
52) heptane	9.996	43	213010	60.35	ug/kg	84
53) 2-Nitropropane	9.996	43	213010	59.00	ug/kg	96
54) trichloroethene	10.119	95	205808	51.53	ug/kg	93
55) 1,2-dichloropropane	10.072	63	161078	51.33	ug/kg	99
56) dibromomethane	10.045	93	92843	49.10	ug/kg	94
57) bromodichloromethane	10.157	83	226461	51.20	ug/kg	98
58) Methylcyclohexane	10.662	83	283137	56.66	ug/kg	98
59) 2-chloroethyl vinyl ether	10.529	63	74049	47.02	ug/kg	99
60) methyl methacrylate	10.248	69	66924	45.43	ug/kg	83
61) 1,4-dioxane	10.252	88	5037	219.44	ug/kg	93
62) cis-1,3-dichloropropene	10.783	75	285178	53.48	ug/kg	93
64) 4-methyl-2-pentanone	10.863	43	84907	48.06	ug/kg	88
65) toluene	11.548	92	472610	53.03	ug/kg	98
66) trans-1,3-dichloropropene	11.195	75	231191	53.28	ug/kg	95
67) 1,1,2-trichloroethane	11.366	83	120933	48.98	ug/kg	99
68) ethyl methacrylate	11.568	69	129337	47.11	ug/kg	87
70) tetrachloroethene	12.306	166	237516	54.58	ug/kg	98
71) 1,3-dichloropropane	11.605	76	207270	48.78	ug/kg	98
72) dibromochloromethane	11.886	129	195644	51.54	ug/kg	100
73) 1,2-dibromoethane	12.134	107	159130	49.23	ug/kg	99
74) 2-hexanone	11.719	43	51410	43.34	ug/kg	92
75) chlorobenzene	12.975	112	608655	51.22	ug/kg	98
76) 1-chlorohexane	12.872	91	266683	58.11	ug/kg	97
77) 1,1,1,2-tetrachloroethane	12.901	131	220770	53.10	ug/kg	97
78) ethylbenzene	13.146	91	903076	54.42	ug/kg	98
79) m,p-xylene	13.329	106	773241	109.36	ug/kg	100
80) o-xylene	13.742	106	384082	54.91	ug/kg	100
81) styrene	13.665	104	607922	53.90	ug/kg	94
82) bromoform	13.486	173	95206	50.16	ug/kg	99
83) cis-1,4-dichloro-2-butene	13.573	88	43039	51.90	ug/kg	91
84) trans-1,4-dichloro-2-b...	13.893	53	27433	55.18	ug/kg#	83
86) isopropylbenzene	14.108	105	990148	54.95	ug/kg	100
88) bromobenzene	14.394	156	273429	50.23	ug/kg	91
89) 1,1,2,2-tetrachloroethane	13.751	83	138615	46.49	ug/kg	99
90) 1,2,3-trichloropropane	13.893	75	143333	48.54	ug/kg	98
91) n-propylbenzene	14.554	91	1071370	54.68	ug/kg	98
92) 2-chlorotoluene	14.675	91	648502	52.56	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72949.D
Acq On : 8 Aug 2013 8:58 am
Operator : GaryK
Sample : cc2374-50
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 08 09:47:03 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

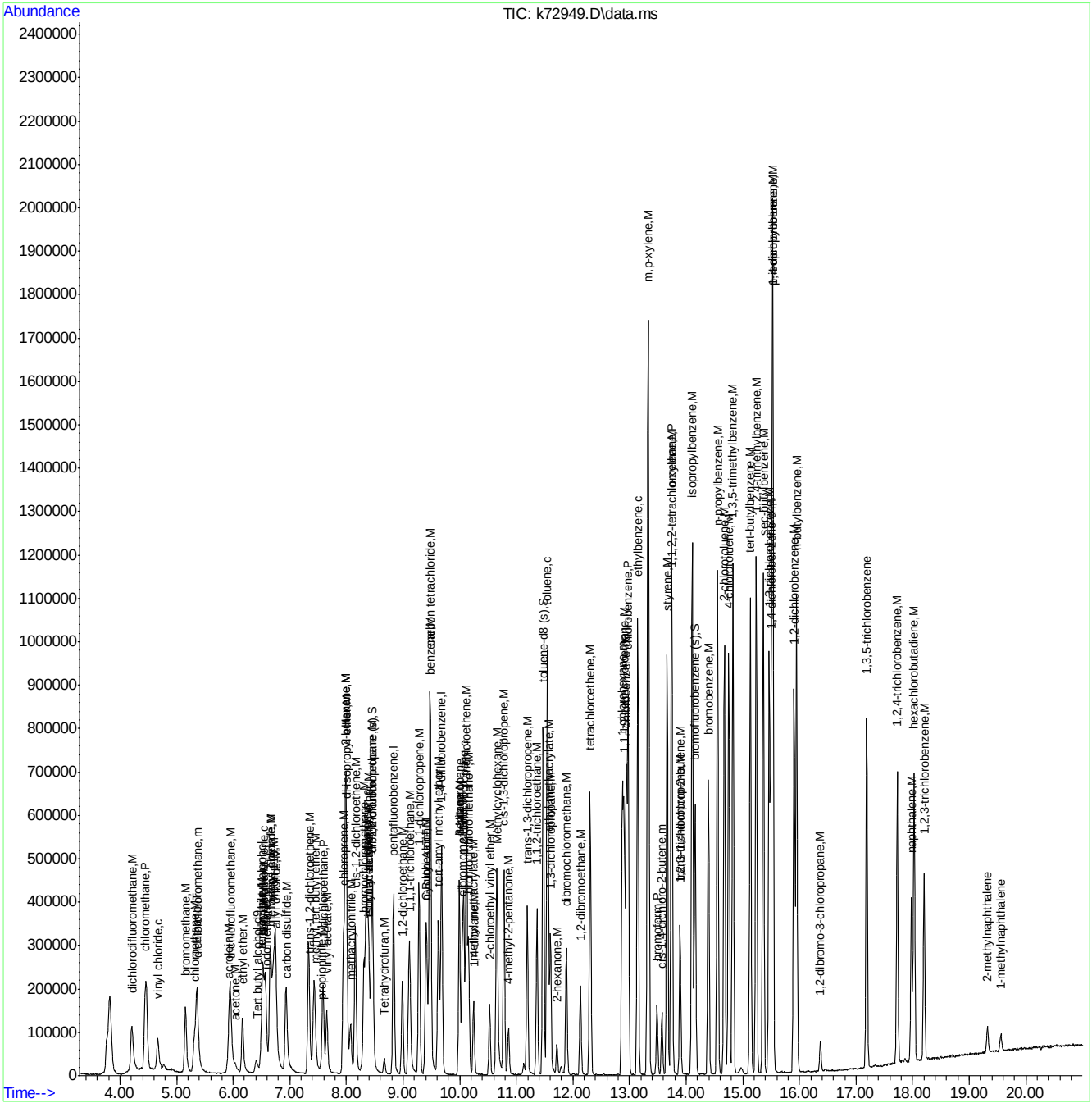
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.752	91	647250	51.74	ug/kg	97
94)	1,3,5-trimethylbenzene	14.826	105	792600	54.18	ug/kg	98
95)	tert-butylbenzene	15.133	91	417354	54.02	ug/kg	95
96)	1,2,4-trimethylbenzene	15.237	105	801321	53.92	ug/kg	98
97)	sec-butylbenzene	15.362	105	1016512	55.02	ug/kg	98
98)	1,3-dichlorobenzene	15.466	146	532988	51.46	ug/kg	97
99)	p-isopropyltoluene	15.529	119	788306	54.11	ug/kg	97
100)	1,4-dichlorobenzene	15.528	146	504547	51.00	ug/kg	95
101)	1,2-dichlorobenzene	15.907	146	488194	51.50	ug/kg	98
102)	n-butylbenzene	15.950	91	716620	55.78	ug/kg	100
103)	1,2-dibromo-3-chloropr...	16.369	75	17547	42.94	ug/kg	93
104)	1,3,5-trichlorobenzene	17.188	180	318230	53.33	ug/kg	99
105)	1,2,4-trichlorobenzene	17.729	180	261100	50.18	ug/kg	100
106)	hexachlorobutadiene	18.025	225	161939	53.77	ug/kg	98
107)	naphthalene	17.978	128	378441	46.00	ug/kg	100
108)	1,2,3-trichlorobenzene	18.203	180	173247	47.19	ug/kg	98
109)	2-methylnaphthalene	19.321	142	38497	17.73	ug/kg	96
110)	1-methylnaphthalene	19.563	TIC	86040m	17.68	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130808\
Data File : k72949.D
Acq On : 8 Aug 2013 8:58 am
Operator : GaryK
Sample : cc2374-50
Misc : ms29620,msk2375,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 08 09:47:03 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Doug Yargeau
08/09/13 15:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72987.D
Acq On : 9 Aug 2013 9:45 am
Operator : GaryK
Sample : cc2374-50
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 10:34:55 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.428	65	57918	500.00	ug/kg	0.00
4) pentafluorobenzene	8.840	168	387437	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.686	114	553541	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.941	82	230321	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	272635	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.470	113	192135	47.91	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.82%			
63) toluene-d8 (s)	11.478	98	684856	49.35	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.70%			
87) bromofluorobenzene (s)	14.160	95	249075	47.80	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.60%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.513	59	77684	524.16	ug/kg	89
3) Ethanol	5.372	45	93009	4990.60	ug/kg#	100
5) dichlorodifluoromethane	4.245	85	222039	53.02	ug/kg	100
6) chloromethane	4.459	50	153545m	59.55	ug/kg	
7) vinyl chloride	4.694	62	113653	55.60	ug/kg	99
8) bromomethane	5.178	96	144960	48.88	ug/kg	98
9) chloroethane	5.340	64	94489	53.41	ug/kg	96
10) dichlorofluoromethane	5.386	67	276879	51.66	ug/kg	100
11) ethyl ether	6.185	59	101246	48.22	ug/kg	92
12) acetonitrile	6.514	41	18578	42.01	ug/kg	100
13) trichlorofluoromethane	5.968	101	317597	52.27	ug/kg	98
14) freon-113	6.735	101	181069	53.65	ug/kg	91
15) acrolein	5.933	56	33330	255.26	ug/kg	92
16) 1,1-dichloroethene	6.545	96	167769	50.56	ug/kg	90
17) acetone	6.056	43	23661	41.61	ug/kg	95
18) Methyl Acetate	6.673	43	111801	43.40	ug/kg#	91
19) methylene chloride	6.685	84	184930	50.75	ug/kg	95
20) methyl tert butyl ether	7.454	73	360941	48.38	ug/kg	100
21) acrylonitrile	6.554	53	31769	46.06	ug/kg	97
22) allyl chloride	6.773	41	228569	53.84	ug/kg	84
23) trans-1,2-dichloroethene	7.352	96	203513	51.39	ug/kg	94
24) iodomethane	6.596	142	360946	54.40	ug/kg	96
25) carbon disulfide	6.964	76	492242	53.60	ug/kg	98
26) propionitrile	7.569	54	12311	47.64	ug/kg	100
27) vinyl acetate	7.664	43	251820	50.82	ug/kg	96
28) chloroprene	7.961	53	215519	54.89	ug/kg	100
29) di-isopropyl ether	8.009	45	477657	50.78	ug/kg	91
30) methacrylonitrile	8.085	41	65425	42.39	ug/kg	85
31) 2-butanone	7.984	72	12042	43.76	ug/kg#	1
32) Hexane	7.994	41	231074	52.72	ug/kg#	78
33) 1,1-dichloroethane	7.603	63	258107	51.59	ug/kg	97
34) tert-butyl ethyl ether	8.399	59	395546	50.26	ug/kg	98
35) isobutyl alcohol	8.403	43	60528	237.58	ug/kg	91
36) 2,2-dichloropropane	8.461	77	216116m	59.89	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72987.D
Acq On : 9 Aug 2013 9:45 am
Operator : GaryK
Sample : cc2374-50
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 10:34:55 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.171	96	225602	50.99	ug/kg	96
38) ethyl acetate	8.404	43	60523	47.61	ug/kg	92
39) bromochloromethane	8.320	128	109520	50.46	ug/kg	96
40) chloroform	8.360	83	301308	51.82	ug/kg	96
42) Tetrahydrofuran	8.677	42	25041	41.69	ug/kg	90
43) 1,1,1-trichloroethane	9.127	97	278874	53.34	ug/kg	97
44) n-Butyl Alcohol	9.424	56	237807	1360.88	ug/kg	89
46) Cyclohexane	9.424	56	237644	54.86	ug/kg	96
47) carbon tetrachloride	9.483	117	241321	52.83	ug/kg	100
48) 1,1-dichloropropene	9.289	75	237467	54.21	ug/kg	94
49) benzene	9.487	78	690093	50.32	ug/kg	99
50) 1,2-dichloroethane	8.992	62	195110	49.01	ug/kg	99
51) tert-amyl methyl ether	9.636	73	382938	49.42	ug/kg	92
52) heptane	9.999	43	220880	60.49	ug/kg	85
53) 2-Nitropropane	9.999	43	220880	59.14	ug/kg	98
54) trichloroethene	10.123	95	212725	51.49	ug/kg	93
55) 1,2-dichloropropane	10.076	63	167564	51.61	ug/kg	98
56) dibromomethane	10.049	93	95636	48.89	ug/kg	95
57) bromodichloromethane	10.161	83	232092	50.72	ug/kg	100
58) Methylcyclohexane	10.664	83	281313	54.42	ug/kg	96
59) 2-chloroethyl vinyl ether	10.532	63	78107	47.95	ug/kg	99
60) methyl methacrylate	10.251	69	70359	46.17	ug/kg	81
61) 1,4-dioxane	10.249	88	4909	206.73	ug/kg	82
62) cis-1,3-dichloropropene	10.786	75	297677	53.96	ug/kg	92
64) 4-methyl-2-pentanone	10.865	43	84666	46.33	ug/kg	89
65) toluene	11.550	92	494523	53.63	ug/kg	96
66) trans-1,3-dichloropropene	11.197	75	238600	53.15	ug/kg	97
67) 1,1,2-trichloroethane	11.368	83	124483	48.73	ug/kg	96
68) ethyl methacrylate	11.570	69	135637	47.76	ug/kg	85
70) tetrachloroethene	12.308	166	250487	56.09	ug/kg	99
71) 1,3-dichloropropane	11.607	76	214433	49.18	ug/kg	100
72) dibromochloromethane	11.888	129	204815	52.58	ug/kg	98
73) 1,2-dibromoethane	12.136	107	166623	50.23	ug/kg	100
74) 2-hexanone	11.720	43	53253	43.75	ug/kg	91
75) chlorobenzene	12.977	112	643946	52.80	ug/kg	94
76) 1-chlorohexane	12.873	91	279217	59.29	ug/kg	98
77) 1,1,1,2-tetrachloroethane	12.903	131	224964	52.73	ug/kg	98
78) ethylbenzene	13.147	91	937502	55.05	ug/kg	100
79) m,p-xylene	13.330	106	806541	111.15	ug/kg	98
80) o-xylene	13.743	106	394434	54.94	ug/kg	98
81) styrene	13.666	104	635170	54.87	ug/kg	95
82) bromoform	13.488	173	98944	50.80	ug/kg	98
83) cis-1,4-dichloro-2-butene	13.574	88	46420	54.53	ug/kg	92
84) trans-1,4-dichloro-2-b...	13.894	53	30340	59.46	ug/kg#	75
86) isopropylbenzene	14.108	105	1007664	55.25	ug/kg	100
88) bromobenzene	14.395	156	288307	52.34	ug/kg	92
89) 1,1,2,2-tetrachloroethane	13.752	83	139874	46.35	ug/kg	99
90) 1,2,3-trichloropropane	13.895	75	149629	50.07	ug/kg	100
91) n-propylbenzene	14.555	91	1094548	55.20	ug/kg	97
92) 2-chlorotoluene	14.676	91	662099	53.03	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72987.D
Acq On : 9 Aug 2013 9:45 am
Operator : GaryK
Sample : cc2374-50
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 10:34:55 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration

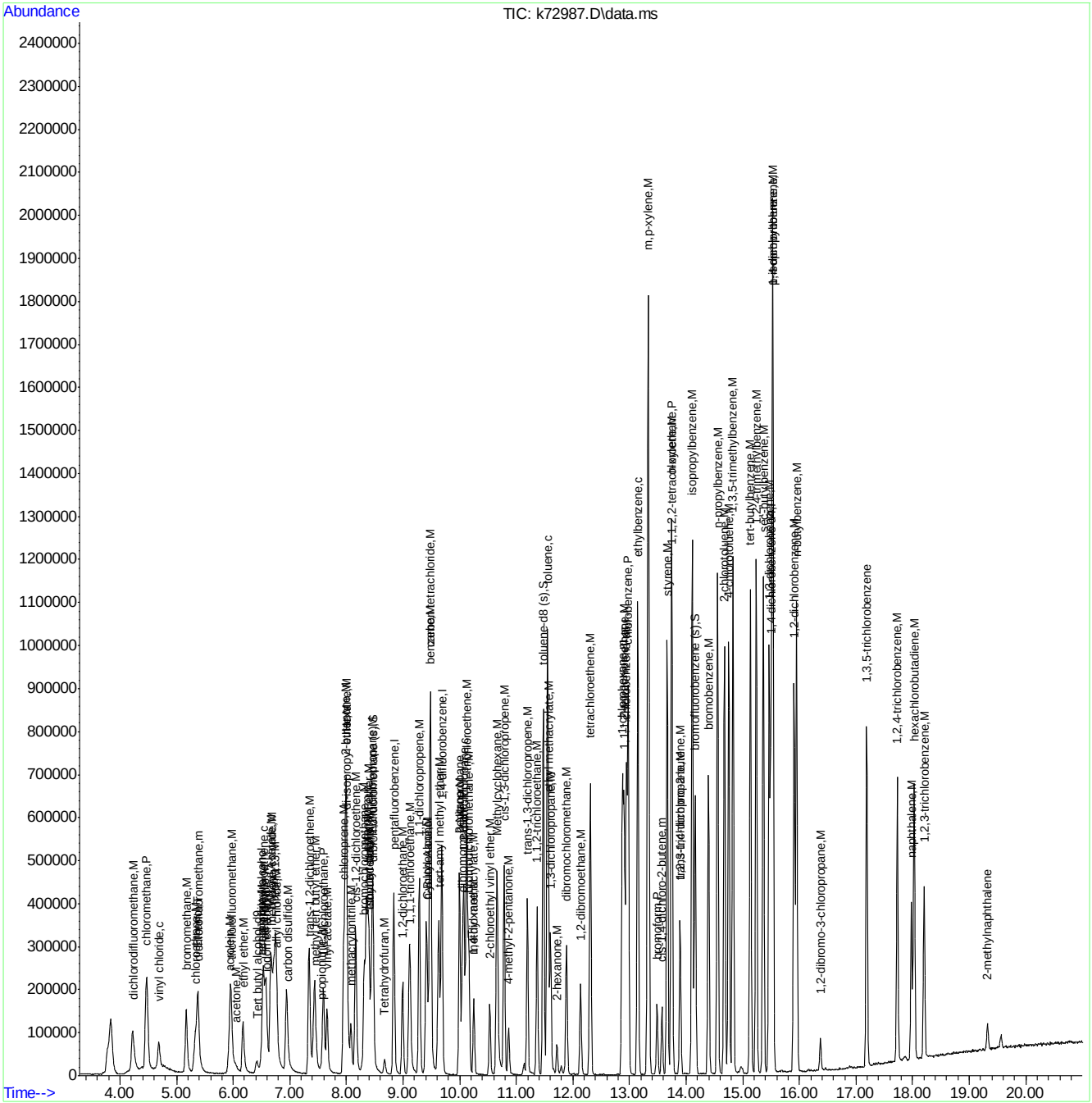
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.753	91	670966	53.00	ug/kg	95
94)	1,3,5-trimethylbenzene	14.827	105	798760	53.95	ug/kg	98
95)	tert-butylbenzene	15.134	91	428115	54.76	ug/kg	93
96)	1,2,4-trimethylbenzene	15.238	105	813591	54.10	ug/kg	98
97)	sec-butylbenzene	15.363	105	1026097	54.88	ug/kg	100
98)	1,3-dichlorobenzene	15.467	146	547688	52.25	ug/kg	98
99)	p-isopropyltoluene	15.530	119	796979	54.06	ug/kg	98
100)	1,4-dichlorobenzene	15.529	146	514010	51.34	ug/kg	98
101)	1,2-dichlorobenzene	15.907	146	498072	51.92	ug/kg	98
102)	n-butylbenzene	15.950	91	722205	55.55	ug/kg	97
103)	1,2-dibromo-3-chloropr...	16.371	75	17373	42.01	ug/kg	100
104)	1,3,5-trichlorobenzene	17.189	180	321477	53.24	ug/kg	100
105)	1,2,4-trichlorobenzene	17.730	180	257177	48.84	ug/kg	100
106)	hexachlorobutadiene	18.026	225	161115	52.86	ug/kg	97
107)	naphthalene	17.979	128	368728	44.29	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	165265	44.48	ug/kg	99
109)	2-methylnaphthalene	19.323	142	36351m	16.55	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130809\
Data File : k72987.D
Acq On : 9 Aug 2013 9:45 am
Operator : GaryK
Sample : cc2374-50
Misc : ms29626,msk2376,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 10:34:55 2013
Quant Method : C:\msdchem\1\methods\K130807S.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 08 09:20:43 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70800.D
Acq On : 5 Aug 2013 2:01 pm
Operator : krystend
Sample : IC2318-0.5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 16:54:16 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:53:04 2013
Response via : Initial Calibration

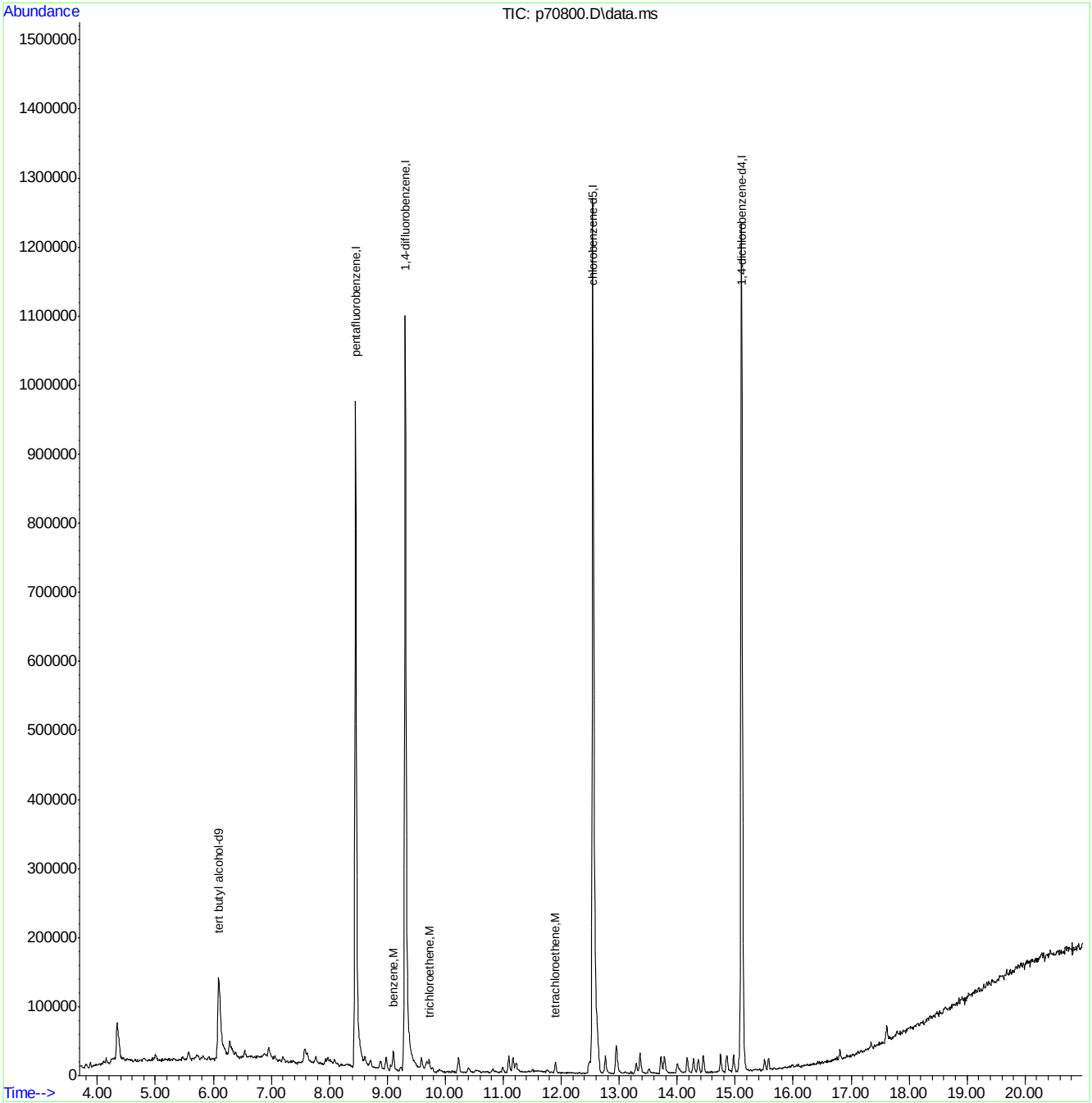
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.092	65	233662	500.00	ug/L	0.01
4) pentafluorobenzene	8.456	168	691029	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.312	114	948654	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	553994	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.112	152	368148	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	0.000	113	0d	0.00	ug/L	
Spiked Amount 50.000	Range 35 - 65		Recovery =	0.00%#		
60) toluene-d8 (s)	0.000	98	0d	0.00	ug/L	
Spiked Amount 50.000	Range 35 - 65		Recovery =	0.00%#		
82) bromofluorobenzene (s)	0.000	95	0d	0.00	ug/L	
Spiked Amount 50.000	Range 35 - 65		Recovery =	0.00%#		
Target Compounds						Qvalue
47) benzene	9.103	78	26513	0.93	ug/L	99
51) trichloroethene	9.729	95	5931	0.71	ug/L	84
67) tetrachloroethene	11.899	166	4757	0.67	ug/L	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70800.D
Acq On : 5 Aug 2013 2:01 pm
Operator : krystend
Sample : IC2318-0.5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 16:54:16 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:53:04 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23272

Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/06/13 16:32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70801.D
Acq On : 5 Aug 2013 2:29 pm
Operator : krystend
Sample : IC2318-2
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 16:56:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:54:31 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.078	65	238728	500.00	ug/L		0.00
4) pentafluorobenzene	8.456	168	669020	50.00	ug/L		0.00
43) 1,4-difluorobenzene	9.312	114	913259	50.00	ug/L		0.00
66) chlorobenzene-d5	12.545	82	521104	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.112	152	357788	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.086	113	12205	1.41	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 2.82%#				
60) toluene-d8 (s)	11.097	98	50122	1.54	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 3.08%#				
82) bromofluorobenzene (s)	13.778	95	20881	1.86	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 3.72%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.173	59	12030	21.15	ug/L	#	55
3) Ethanol	4.994	45	10641	138.18	ug/L		96
5) dichlorodifluoromethane	4.152	85	11525	1.97	ug/L		80
6) chloromethane	4.111	50	12712	2.41	ug/L		83
7) vinyl chloride	4.334	62	19525	2.56	ug/L	#	33
8) bromomethane	4.805	96	4993	2.09	ug/L		95
9) chloroethane	4.960	64	7237	2.39	ug/L		87
10) ethyl ether	5.816	59	7664	1.86	ug/L		88
11) acetonitrile	5.472	41	9746	3.48	ug/L		99
12) trichlorofluoromethane	5.566	101	26620	2.09	ug/L		97
13) freon-113	6.314	101	12022	2.15	ug/L		92
14) acrolein	5.580	56	6325	16.98	ug/L		91
15) 1,1-dichloroethene	6.132	96	10715	2.42	ug/L	#	80
16) acetone	5.708	58	3768	4.47	ug/L		92
17) Methyl Acetate	6.328	43	14583	2.32	ug/L		98
18) methylene chloride	6.280	84	16481	3.04	ug/L		86
19) methyl tert butyl ether	7.055	73	22973	2.04	ug/L		94
20) acrylonitrile	6.193	53	3926	2.33	ug/L		100
21) allyl chloride	6.375	41	14184	1.81	ug/L		91
22) trans-1,2-dichloroethene	6.954	96	12932	2.10	ug/L		97
23) iodomethane	6.186	142	5136	1.28	ug/L		97
24) carbon disulfide	6.536	76	25445	2.02	ug/L		97
25) propionitrile	7.237	54	1323m	1.46	ug/L		
26) vinyl acetate	7.318	43	17911	1.94	ug/L		93
27) chloroprene	7.560	53	23525	1.79	ug/L		99
28) di-isopropyl ether	7.614	45	48884	1.95	ug/L		97
29) methacrylonitrile	7.742	41	7974	1.79	ug/L		94
30) 2-butanone	7.634	72	971m	1.05	ug/L		
31) Hexane	7.580	41	30783	2.18	ug/L		93
32) 1,1-dichloroethane	7.203	63	26020	2.09	ug/L		93
33) tert-butyl ethyl ether	8.005	59	15905	2.02	ug/L		98
34) isobutyl alcohol	7.614	43	43766	9.16	ug/L		81
35) 2,2-dichloropropane	8.052	77	5503	0.81	ug/L		91
36) cis-1,2-dichloroethene	7.769	96	14802	2.12	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70801.D
Acq On : 5 Aug 2013 2:29 pm
Operator : krystend
Sample : IC2318-2
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 16:56:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:54:31 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	7.938	128	5342	2.01	ug/L		93
39) chloroform	7.971	83	26444	1.92	ug/L		97
41) Tetrahydrofuran	8.308	42	4996	2.44	ug/L		82
42) 1,1,1-trichloroethane	8.705	97	22777	1.79	ug/L		95
44) Cyclohexane	8.982	56	27106	2.00	ug/L		98
45) carbon tetrachloride	9.056	117	17371	1.66	ug/L		99
46) 1,1-dichloropropene	8.887	75	21519	1.96	ug/L		95
47) benzene	9.103	78	63524	1.62	ug/L		97
48) 1,2-dichloroethane	8.618	62	24543	1.99	ug/L		97
49) tert-amyl methyl ether	9.224	73	14255	2.52	ug/L		91
50) heptane	9.588	43	26809	2.10	ug/L		94
51) trichloroethene	9.723	95	15342	1.58	ug/L		94
52) 1,2-dichloropropane	9.689	63	16207	2.20	ug/L		93
53) dibromomethane	9.662	93	7507	1.89	ug/L		87
54) bromodichloromethane	9.777	83	16697	1.60	ug/L		99
55) Methylcyclohexane	10.228	83	24898	1.97	ug/L		89
57) methyl methacrylate	9.891	69	7592	1.77	ug/L		95
59) cis-1,3-dichloropropene	10.396	75	18175	1.53	ug/L		95
61) 4-methyl-2-pentanone	10.524	43	12456	1.73	ug/L	#	90
62) toluene	11.164	92	31803	1.80	ug/L		96
63) trans-1,3-dichloropropene	10.821	75	14148	1.45	ug/L		97
64) 1,1,2-trichloroethane	10.989	83	9316	1.74	ug/L		88
65) ethyl methacrylate	11.218	69	11426	1.40	ug/L	#	19
67) tetrachloroethene	11.899	166	14139	1.81	ug/L		99
68) 1,3-dichloropropane	11.218	76	19989	1.99	ug/L		92
69) dibromochloromethane	11.501	129	8364	1.37	ug/L		76
70) 1,2-dibromoethane	11.750	107	10795	1.85	ug/L		97
71) 2-hexanone	11.400	43	11384	2.33	ug/L		69
72) chlorobenzene	12.579	112	36599	2.09	ug/L		94
73) 1,1,1,2-tetrachloroethane	12.498	131	11012	1.77	ug/L		88
74) ethylbenzene	12.761	91	70204	2.11	ug/L		100
75) m,p-xylene	12.943	106	50430	4.06	ug/L		96
76) o-xylene	13.354	106	23578	1.90	ug/L		96
77) styrene	13.286	104	31912	1.67	ug/L		94
78) bromoform	13.098	173	4609	1.35	ug/L		84
79) trans-1,4-dichloro-2-b...	13.515	53	1261m	0.99	ug/L		
81) isopropylbenzene	13.717	105	68635	2.12	ug/L		98
83) bromobenzene	14.007	156	13139	1.93	ug/L		90
84) 1,1,2,2-tetrachloroethane	13.360	83	13354	1.95	ug/L		96
85) 1,2,3-trichloropropane	13.509	75	13092	1.86	ug/L		95
86) n-propylbenzene	14.169	91	75902	2.06	ug/L		98
87) 2-chlorotoluene	14.276	91	46787	2.05	ug/L		100
88) 4-chlorotoluene	14.357	91	47200	2.04	ug/L		100
89) 1,3,5-trimethylbenzene	14.445	105	53145	1.99	ug/L		98
90) tert-butylbenzene	14.748	91	37461	2.16	ug/L		89
91) 1,2,4-trimethylbenzene	14.856	105	49542	1.91	ug/L		94
92) sec-butylbenzene	14.970	105	65532	1.91	ug/L		95
93) 1,3-dichlorobenzene	15.071	146	24121	1.91	ug/L		95
94) p-isopropyltoluene	15.145	119	45840	1.91	ug/L		98
95) 1,4-dichlorobenzene	15.139	146	24731	2.06	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70801.D
Acq On : 5 Aug 2013 2:29 pm
Operator : krystend
Sample : IC2318-2
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 16:56:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:54:31 2013
Response via : Initial Calibration

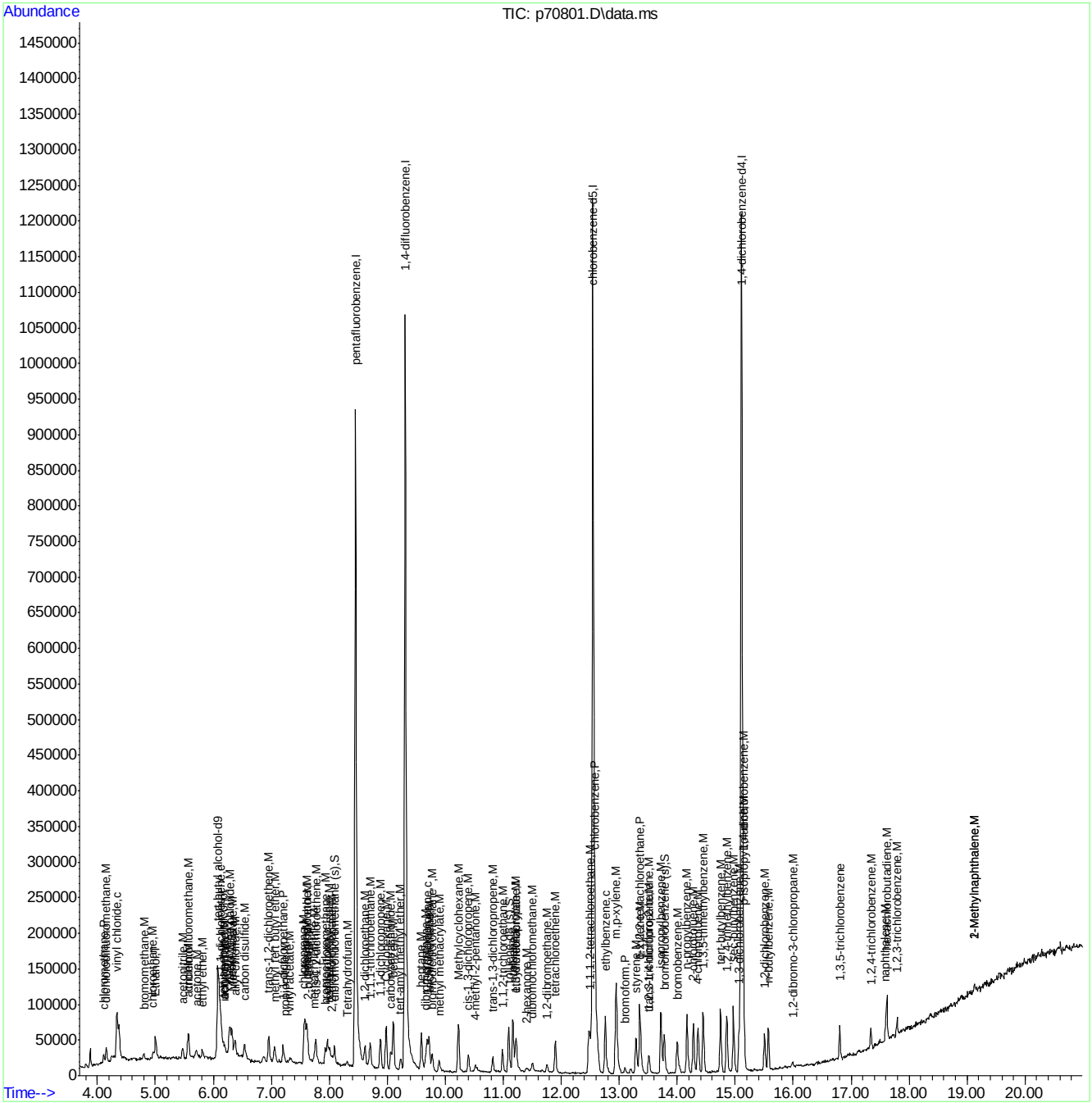
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2-dichlorobenzene	15.502	146	22739	1.93	ug/L	98
97) n-butylbenzene	15.570	91	38746	1.53	ug/L	92
98) 1,2-dibromo-3-chloropr...	15.994	75	2209m	1.76	ug/L	
99) 1,3,5-trichlorobenzene	16.803	180	15301	1.72	ug/L	100
100) 1,2,4-trichlorobenzene	17.341	180	8537	1.06	ug/L	95
101) hexachlorobutadiene	17.618	225	12920	2.16	ug/L	99
102) naphthalene	17.591	128	13594	1.07	ug/L	100
103) 1,2,3-trichlorobenzene	17.793	180	7578	1.09	ug/L	97
104) 2-Methylnaphthalene	19.127	142	4300	1.07	ug/L	96
105) 1-Methylnaphthalene	19.127	142	4300	1.21	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70801.D
Acq On : 5 Aug 2013 2:29 pm
Operator : krystend
Sample : IC2318-2
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 16:56:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:54:31 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23272

Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/06/13 16:32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70802.D
Acq On : 5 Aug 2013 2:57 pm
Operator : krystend
Sample : IC2318-5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 08:53:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:56:28 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.065	65	179401	500.00	ug/L	-0.01
4) pentafluorobenzene	8.456	168	672764	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.312	114	911074	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	533139	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.112	152	391373	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.092	113	31134	3.80	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery =	7.60%#		
60) toluene-d8 (s)	11.090	98	117209	3.68	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery =	7.36%#		
82) bromofluorobenzene (s)	13.771	95	46780	3.52	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery =	7.04%#		
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.152	59	19989	45.46	ug/L #	55
3) Ethanol	4.973	45	33495	684.61	ug/L	94
5) dichlorodifluoromethane	4.152	85	27219	4.66	ug/L	98
6) chloromethane	4.111	50	29588	5.06	ug/L	89
7) vinyl chloride	4.334	62	42521	4.86	ug/L	63
8) bromomethane	4.798	96	9103	3.71	ug/L	98
9) chloroethane	4.953	64	17140	5.13	ug/L	98
10) ethyl ether	5.816	59	19475	4.87	ug/L	96
11) acetonitrile	5.472	41	23212	6.01	ug/L	98
12) trichlorofluoromethane	5.566	101	63857	4.87	ug/L	99
13) freon-113	6.314	101	31552	5.40	ug/L	95
14) acrolein	5.573	56	9641	19.08	ug/L	91
15) 1,1-dichloroethene	6.132	96	21376	4.34	ug/L	97
16) acetone	5.701	58	5081	3.71	ug/L	93
17) Methyl Acetate	6.321	43	34762	5.09	ug/L	99
18) methylene chloride	6.280	84	33519	4.88	ug/L	94
19) methyl tert butyl ether	7.055	73	44545	3.89	ug/L	99
20) acrylonitrile	6.199	53	10028	5.46	ug/L	88
21) allyl chloride	6.375	41	38828	5.17	ug/L	98
22) trans-1,2-dichloroethene	6.954	96	29939	4.72	ug/L	97
23) iodomethane	6.179	142	8582	2.59	ug/L	95
24) carbon disulfide	6.536	76	66127	5.19	ug/L	98
25) propionitrile	7.230	54	3194	4.05	ug/L	100
26) vinyl acetate	7.318	43	36475	3.99	ug/L	98
27) chloroprene	7.567	53	58509	4.67	ug/L	95
28) di-isopropyl ether	7.614	45	118352	4.76	ug/L	95
29) methacrylonitrile	7.735	41	16051	3.78	ug/L	90
30) 2-butanone	7.628	72	3066	4.32	ug/L #	80
31) Hexane	7.580	41	69309	4.67	ug/L	96
32) 1,1-dichloroethane	7.203	63	60682	4.74	ug/L	97
33) tert-butyl ethyl ether	8.005	59	33265	4.18	ug/L	90
34) isobutyl alcohol	7.607	43	108502	23.58	ug/L	77
35) 2,2-dichloropropane	8.052	77	15847	3.31	ug/L	97
36) cis-1,2-dichloroethene	7.769	96	32382	4.48	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70802.D
Acq On : 5 Aug 2013 2:57 pm
Operator : krystend
Sample : IC2318-5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 08:53:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:56:28 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.295	43	4355	8.82	ug/L	#	62
38) bromochloromethane	7.931	128	11374	4.24	ug/L		95
39) chloroform	7.964	83	66902	4.93	ug/L		93
41) Tetrahydrofuran	8.295	42	9977	4.36	ug/L		98
42) 1,1,1-trichloroethane	8.705	97	55821	4.61	ug/L		94
44) Cyclohexane	8.982	56	64854	4.79	ug/L		96
45) carbon tetrachloride	9.062	117	42854	4.49	ug/L		96
46) 1,1-dichloropropene	8.881	75	51532	4.75	ug/L		96
47) benzene	9.103	78	148406	4.05	ug/L		99
48) 1,2-dichloroethane	8.611	62	58765	4.78	ug/L		96
49) tert-amyl methyl ether	9.231	73	26770	4.20	ug/L		98
50) heptane	9.588	43	59947	4.59	ug/L		96
51) trichloroethene	9.723	95	41213	4.57	ug/L		94
52) 1,2-dichloropropane	9.689	63	34767	4.51	ug/L		99
53) dibromomethane	9.662	93	17778	4.61	ug/L		99
54) bromodichloromethane	9.777	83	42021	4.49	ug/L		100
55) Methylcyclohexane	10.228	83	58559	4.68	ug/L		98
56) 2-chloroethyl vinyl ether	10.235	63	1048m	6.24	ug/L		
57) methyl methacrylate	9.884	69	14263	3.54	ug/L		99
58) 1,4-dioxane	9.891	88	889m	14.33	ug/L		
59) cis-1,3-dichloropropene	10.396	75	44093	4.22	ug/L		92
61) 4-methyl-2-pentanone	10.504	43	27108	4.05	ug/L	#	88
62) toluene	11.164	92	81290	4.86	ug/L		96
63) trans-1,3-dichloropropene	10.821	75	34719	4.13	ug/L		100
64) 1,1,2-trichloroethane	10.982	83	22791	4.56	ug/L		93
65) ethyl methacrylate	11.211	69	29747	4.30	ug/L	#	7
67) tetrachloroethene	11.898	166	34504	4.46	ug/L		99
68) 1,3-dichloropropane	11.218	76	48091	4.69	ug/L		96
69) dibromochloromethane	11.501	129	21272	4.05	ug/L		98
70) 1,2-dibromoethane	11.750	107	26618	4.64	ug/L		91
71) 2-hexanone	11.380	43	20900	3.86	ug/L		82
72) chlorobenzene	12.579	112	90620	4.95	ug/L		97
73) 1,1,1,2-tetrachloroethane	12.498	131	26880	4.48	ug/L		93
74) ethylbenzene	12.761	91	168088	4.81	ug/L		99
75) m,p-xylene	12.943	106	122667	9.58	ug/L		98
76) o-xylene	13.354	106	61768	4.98	ug/L		96
77) styrene	13.286	104	83547	4.66	ug/L		98
78) bromoform	13.098	173	11112	3.80	ug/L		91
79) trans-1,4-dichloro-2-b...	13.354	53	3519	3.61	ug/L	#	1
81) isopropylbenzene	13.717	105	166534	4.57	ug/L		97
83) bromobenzene	14.000	156	34548	4.73	ug/L		93
84) 1,1,2,2-tetrachloroethane	13.360	83	31805	4.30	ug/L		92
85) 1,2,3-trichloropropane	13.508	75	30442	4.10	ug/L		98
86) n-propylbenzene	14.169	91	189281	4.63	ug/L		99
87) 2-chlorotoluene	14.276	91	122404	4.84	ug/L		98
88) 4-chlorotoluene	14.357	91	117687	4.60	ug/L		91
89) 1,3,5-trimethylbenzene	14.445	105	139873	4.80	ug/L		95
90) tert-butylbenzene	14.748	91	93033	4.72	ug/L		99
91) 1,2,4-trimethylbenzene	14.856	105	132160	4.77	ug/L		98
92) sec-butylbenzene	14.970	105	175628	4.79	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70802.D
Acq On : 5 Aug 2013 2:57 pm
Operator : krystend
Sample : IC2318-5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 08:53:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:56:28 2013
Response via : Initial Calibration

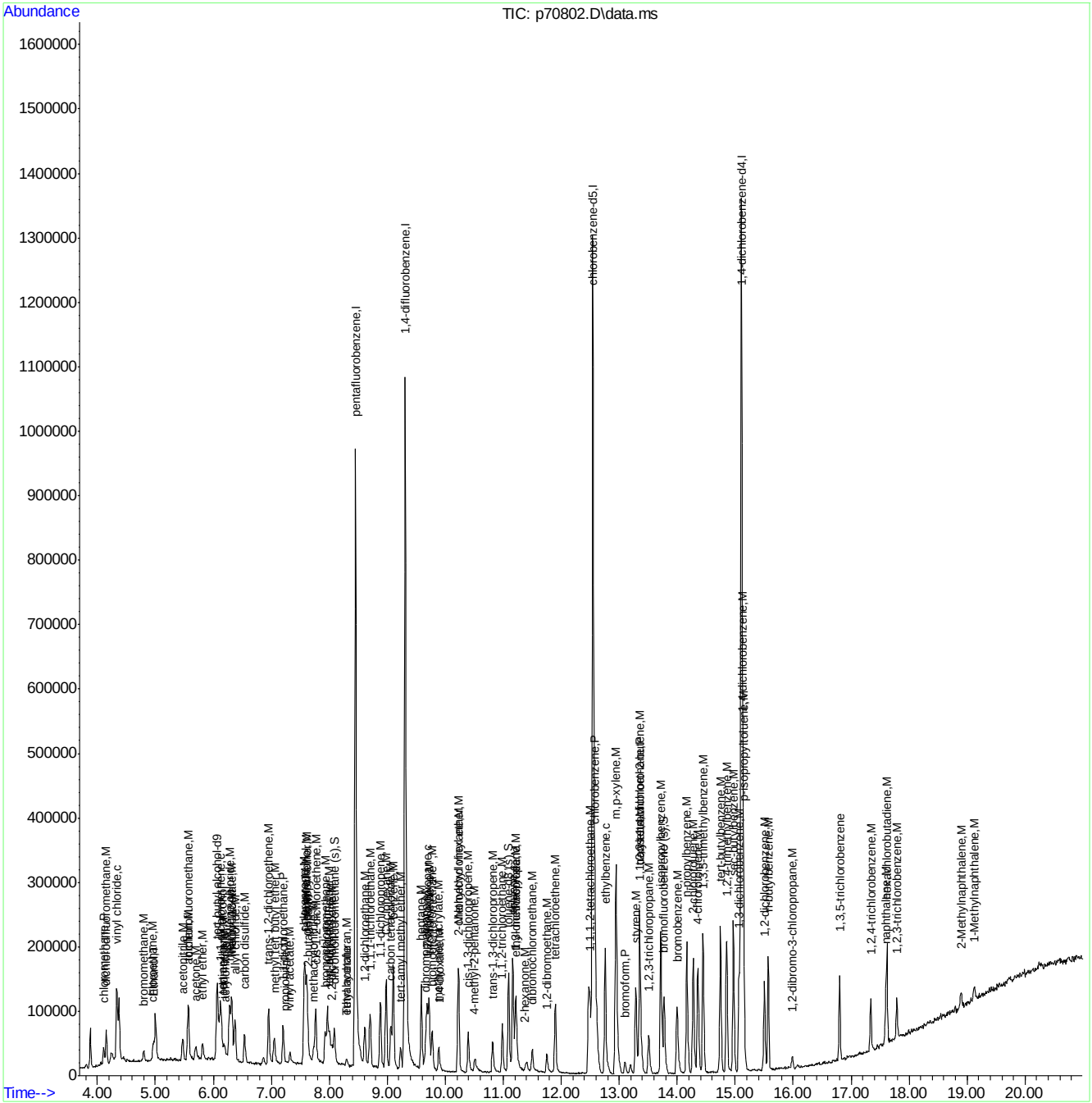
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.071	146	64590	4.78	ug/L	98
94)	p-isopropyltoluene	15.145	119	119943	4.68	ug/L	99
95)	1,4-dichlorobenzene	15.132	146	64869	4.87	ug/L	95
96)	1,2-dichlorobenzene	15.502	146	58589	4.63	ug/L	99
97)	n-butylbenzene	15.570	91	111031	4.54	ug/L	99
98)	1,2-dibromo-3-chloropr...	15.987	75	4681	3.62	ug/L	85
99)	1,3,5-trichlorobenzene	16.803	180	42585	4.70	ug/L	97
100)	1,2,4-trichlorobenzene	17.341	180	27958	4.15	ug/L	92
101)	hexachlorobutadiene	17.618	225	32688	4.80	ug/L	93
102)	naphthalene	17.597	128	30969	2.91	ug/L	100
103)	1,2,3-trichlorobenzene	17.786	180	22151	3.76	ug/L	94
104)	2-Methylnaphthalene	18.898	142	10893	2.40	ug/L	93
105)	1-Methylnaphthalene	19.127	142	10749	2.51	ug/L	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70802.D
Acq On : 5 Aug 2013 2:57 pm
Operator : krystend
Sample : IC2318-5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 08:53:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:56:28 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70804.D
Acq On : 5 Aug 2013 3:53 pm
Operator : krystend
Sample : IC2318-20
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 08:54:59 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:54:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.058	65	271397	500.00	ug/L	-0.02
4) pentafluorobenzene	8.449	168	715229	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.305	114	975838	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	587115	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	431995	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	135768	16.75	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 33.50%#			
60) toluene-d8 (s)	11.090	98	508112	16.24	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 32.48%#			
82) bromofluorobenzene (s)	13.771	95	197351	14.95	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 29.90%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.146	59	121200	190.43	ug/L	94
3) Ethanol	4.980	45	155866	1913.50	ug/L	94
5) dichlorodifluoromethane	4.152	85	114523	19.17	ug/L	95
6) chloromethane	4.104	50	108765	17.93	ug/L	98
7) vinyl chloride	4.327	62	150909	16.96	ug/L	96
8) bromomethane	4.798	96	37653	15.38	ug/L	99
9) chloroethane	4.953	64	63004	17.86	ug/L	97
10) ethyl ether	5.809	59	80278	19.30	ug/L	92
11) acetonitrile	5.465	41	60317	14.09	ug/L	98
12) trichlorofluoromethane	5.566	101	263848	19.23	ug/L	99
13) freon-113	6.314	101	116155	18.64	ug/L	97
14) acrolein	5.566	56	42435	87.56	ug/L	98
15) 1,1-dichloroethene	6.125	96	90373	18.45	ug/L	97
16) acetone	5.694	58	20654	16.26	ug/L	97
17) Methyl Acetate	6.314	43	133729	18.40	ug/L	100
18) methylene chloride	6.274	84	113510	16.38	ug/L	92
19) methyl tert butyl ether	7.048	73	229126	19.90	ug/L	98
20) acrylonitrile	6.193	53	36096	17.85	ug/L	94
21) allyl chloride	6.368	41	156441	18.80	ug/L	96
22) trans-1,2-dichloroethene	6.954	96	121005	18.56	ug/L	96
23) iodomethane	6.179	142	70213	23.13	ug/L	96
24) carbon disulfide	6.536	76	226245	16.42	ug/L	100
25) propionitrile	7.223	54	18010	21.90	ug/L	100
26) vinyl acetate	7.311	43	176897	19.45	ug/L	96
27) chloroprene	7.560	53	266281	20.36	ug/L	99
28) di-isopropyl ether	7.607	45	502223	19.37	ug/L	99
29) methacrylonitrile	7.722	41	80509	18.87	ug/L	95
30) 2-butanone	7.621	72	15029	19.87	ug/L	96
31) Hexane	7.580	41	283325	18.72	ug/L	94
32) 1,1-dichloroethane	7.203	63	255802	19.18	ug/L	99
33) tert-butyl ethyl ether	7.998	59	170637	20.58	ug/L	99
34) isobutyl alcohol	7.607	43	482335	100.44	ug/L	91
35) 2,2-dichloropropane	8.045	77	130945	28.18	ug/L	99
36) cis-1,2-dichloroethene	7.762	96	138494	18.94	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70804.D
Acq On : 5 Aug 2013 3:53 pm
Operator : krystend
Sample : IC2318-20
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 08:54:59 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:54:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.294	43	12707	18.36	ug/L	#	62
38) bromochloromethane	7.924	128	51786	19.03	ug/L		93
39) chloroform	7.964	83	278827	19.49	ug/L		97
41) Tetrahydrofuran	8.294	42	38129	16.90	ug/L		99
42) 1,1,1-trichloroethane	8.705	97	251524	20.10	ug/L		99
44) Cyclohexane	8.982	56	278778	19.60	ug/L		98
45) carbon tetrachloride	9.062	117	201898	20.56	ug/L		98
46) 1,1-dichloropropene	8.881	75	223477	19.61	ug/L		99
47) benzene	9.096	78	570936	15.97	ug/L		100
48) 1,2-dichloroethane	8.611	62	245902	19.08	ug/L		99
49) tert-amyl methyl ether	9.224	73	131607	19.89	ug/L		99
50) heptane	9.581	43	261997	19.45	ug/L		97
51) trichloroethene	9.716	95	158542	17.09	ug/L		97
52) 1,2-dichloropropane	9.682	63	151777	19.17	ug/L		98
53) dibromomethane	9.655	93	76594	19.24	ug/L		96
54) bromodichloromethane	9.770	83	190327	19.63	ug/L		99
55) Methylcyclohexane	10.228	83	253325	19.44	ug/L		97
56) 2-chloroethyl vinyl ether	10.228	63	3535	18.91	ug/L	#	97
57) methyl methacrylate	9.884	69	80628	20.33	ug/L		94
58) 1,4-dioxane	9.878	88	6278	110.00	ug/L		99
59) cis-1,3-dichloropropene	10.389	75	219335	20.63	ug/L		100
61) 4-methyl-2-pentanone	10.497	43	142213	20.81	ug/L		98
62) toluene	11.164	92	357869	20.12	ug/L		100
63) trans-1,3-dichloropropene	10.814	75	180810	21.06	ug/L		100
64) 1,1,2-trichloroethane	10.982	83	101653	19.46	ug/L		100
65) ethyl methacrylate	11.198	69	155306	21.53	ug/L		98
67) tetrachloroethene	11.898	166	146928	18.07	ug/L		96
68) 1,3-dichloropropane	11.218	76	212791	19.23	ug/L		98
69) dibromochloromethane	11.501	129	112349	20.78	ug/L		99
70) 1,2-dibromoethane	11.750	107	120509	19.56	ug/L		98
71) 2-hexanone	11.353	43	105355	19.14	ug/L		96
72) chlorobenzene	12.579	112	385518	19.24	ug/L		98
73) 1,1,1,2-tetrachloroethane	12.498	131	128188	20.16	ug/L		98
74) ethylbenzene	12.754	91	726859	19.29	ug/L		99
75) m,p-xylene	12.943	106	545244	39.28	ug/L		99
76) o-xylene	13.353	106	269011	19.79	ug/L		98
77) styrene	13.279	104	386532	20.12	ug/L		99
78) bromoform	13.098	173	59158	20.10	ug/L		90
79) trans-1,4-dichloro-2-b...	13.515	53	24177	24.28	ug/L	#	87
81) isopropylbenzene	13.717	105	741883	19.08	ug/L		98
83) bromobenzene	13.993	156	151967	19.34	ug/L		96
84) 1,1,2,2-tetrachloroethane	13.360	83	149915	19.21	ug/L		96
85) 1,2,3-trichloropropane	13.508	75	151275	19.48	ug/L		97
86) n-propylbenzene	14.162	91	837602	19.10	ug/L		100
87) 2-chlorotoluene	14.276	91	521031	18.96	ug/L		99
88) 4-chlorotoluene	14.350	91	512817	18.83	ug/L		97
89) 1,3,5-trimethylbenzene	14.445	105	604572	19.12	ug/L		97
90) tert-butylbenzene	14.741	91	397958	18.72	ug/L		99
91) 1,2,4-trimethylbenzene	14.849	105	580683	19.37	ug/L		98
92) sec-butylbenzene	14.970	105	770810	19.32	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70804.D
Acq On : 5 Aug 2013 3:53 pm
Operator : krystend
Sample : IC2318-20
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 08:54:59 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:54:49 2013
Response via : Initial Calibration

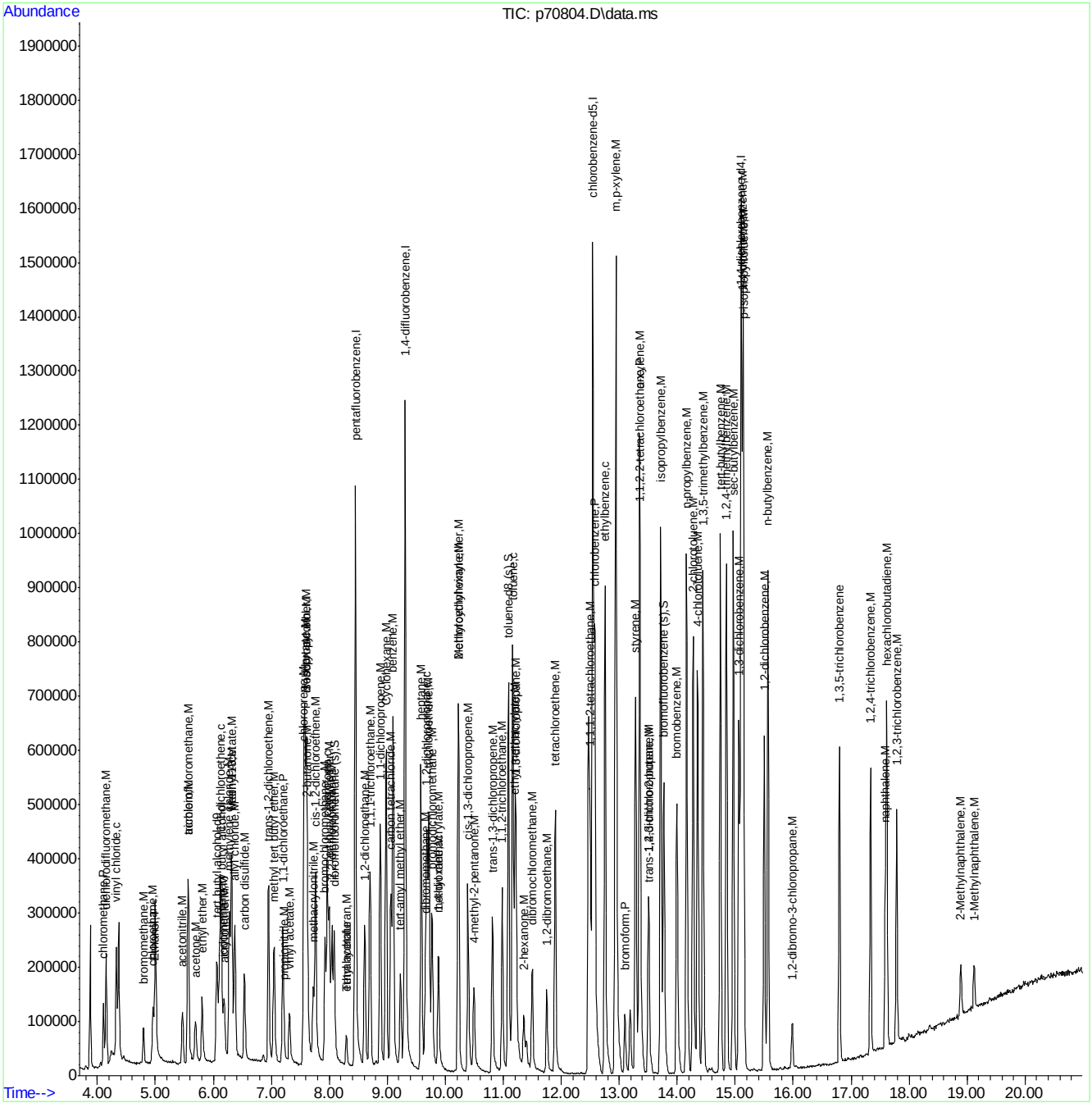
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	280643	19.20	ug/L	97
94)	p-isopropyltoluene	15.145	119	543874	19.66	ug/L	99
95)	1,4-dichlorobenzene	15.132	146	274484	19.08	ug/L	99
96)	1,2-dichlorobenzene	15.502	146	260895	19.35	ug/L	96
97)	n-butylbenzene	15.563	91	558427	21.15	ug/L	99
98)	1,2-dibromo-3-chloropr...	15.981	75	24694	19.24	ug/L	99
99)	1,3,5-trichlorobenzene	16.796	180	195105	20.27	ug/L	96
100)	1,2,4-trichlorobenzene	17.335	180	164076	23.45	ug/L	95
101)	hexachlorobutadiene	17.618	225	133762	18.32	ug/L	94
102)	naphthalene	17.591	128	211907	22.02	ug/L	100
103)	1,2,3-trichlorobenzene	17.786	180	136774	22.82	ug/L	98
104)	2-Methylnaphthalene	18.891	142	47660	9.64	ug/L	94
105)	1-Methylnaphthalene	19.120	142	43378	9.27	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70804.D
Acq On : 5 Aug 2013 3:53 pm
Operator : krystend
Sample : IC2318-20
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 08:54:59 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:54:49 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70805.D
Acq On : 5 Aug 2013 4:21 pm
Operator : krystend
Sample : ICC2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 09:17:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 09:17:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	249579	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	730946	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.305	114	1005148	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	627345	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	464823	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	378766	37.99	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 75.98%#			
60) toluene-d8 (s)	11.090	98	1430363	37.74	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 75.48%#			
82) bromofluorobenzene (s)	13.771	95	583813	38.66	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 77.32%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	297329	533.69	ug/L	100
3) Ethanol	4.987	45	402531	5555.25	ug/L	100
5) dichlorodifluoromethane	4.152	85	319367	53.28	ug/L	100
6) chloromethane	4.104	50	287740	45.93	ug/L	100
7) vinyl chloride	4.333	62	417384	50.11	ug/L	100
8) bromomethane	4.798	96	130454	46.41	ug/L	100
9) chloroethane	4.960	64	165571	49.00	ug/L	100
10) ethyl ether	5.809	59	225073	53.36	ug/L	100
11) acetonitrile	5.472	41	153091	52.19	ug/L	100
12) trichlorofluoromethane	5.566	101	697305	53.07	ug/L	100
13) freon-113	6.314	101	305903	50.05	ug/L	100
14) acrolein	5.573	56	101726	263.46	ug/L	100
15) 1,1-dichloroethene	6.132	96	242111	51.16	ug/L	100
16) acetone	5.701	58	46046	57.48	ug/L	100
17) Methyl Acetate	6.321	43	343285	49.17	ug/L	100
18) methylene chloride	6.280	84	296640	52.62	ug/L	100
19) methyl tert butyl ether	7.048	73	615433	51.91	ug/L	100
20) acrylonitrile	6.193	53	92233	49.09	ug/L	100
21) allyl chloride	6.368	41	428649	54.78	ug/L	100
22) trans-1,2-dichloroethene	6.954	96	336380	51.69	ug/L	100
23) iodomethane	6.186	142	219778	49.59	ug/L	100
24) carbon disulfide	6.536	76	689584	43.48	ug/L	100
25) propionitrile	7.223	54	49593	52.90	ug/L	100
26) vinyl acetate	7.311	43	503886	52.45	ug/L	100
27) chloroprene	7.560	53	717988	53.93	ug/L	100
28) di-isopropyl ether	7.607	45	1366876	53.60	ug/L	100
29) methacrylonitrile	7.729	41	246772	57.02	ug/L	100
30) 2-butanone	7.621	72	50615	59.82	ug/L	100
31) Hexane	7.580	41	771571	52.95	ug/L	100
32) 1,1-dichloroethane	7.203	63	680213	51.88	ug/L	100
33) tert-butyl ethyl ether	7.998	59	429995	46.70	ug/L	100
34) isobutyl alcohol	7.614	43	1304578	273.92	ug/L	100
35) 2,2-dichloropropane	8.045	77	370642	43.36	ug/L	100
36) cis-1,2-dichloroethene	7.762	96	381060	51.78	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70805.D
Acq On : 5 Aug 2013 4:21 pm
Operator : krystend
Sample : ICC2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 09:17:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 09:17:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.294	43	26836	50.43	ug/L		100
38) bromochloromethane	7.931	128	145273	55.05	ug/L		100
39) chloroform	7.964	83	752679	52.97	ug/L		100
41) Tetrahydrofuran	8.294	42	112060	50.58	ug/L		100
42) 1,1,1-trichloroethane	8.705	97	693473	53.89	ug/L		100
44) Cyclohexane	8.982	56	746480	52.74	ug/L		100
45) carbon tetrachloride	9.062	117	575203	55.09	ug/L		100
46) 1,1-dichloropropene	8.881	75	604306	53.19	ug/L		100
47) benzene	9.096	78	1512455	52.80	ug/L		100
48) 1,2-dichloroethane	8.611	62	680083	53.59	ug/L		100
49) tert-amyl methyl ether	9.231	73	310826	46.45	ug/L		100
50) heptane	9.581	43	702795	52.72	ug/L		100
51) trichloroethene	9.716	95	441328	52.07	ug/L		100
52) 1,2-dichloropropane	9.689	63	404725	51.28	ug/L		100
53) dibromomethane	9.655	93	219108	54.28	ug/L		100
54) bromodichloromethane	9.770	83	572649	54.53	ug/L		100
55) Methylcyclohexane	10.228	83	695163	52.69	ug/L		100
56) 2-chloroethyl vinyl ether	10.228	63	9259	56.44	ug/L	#	100
57) methyl methacrylate	9.884	69	235948	55.29	ug/L		100
58) 1,4-dioxane	9.877	88	17116	265.57	ug/L		100
59) cis-1,3-dichloropropene	10.389	75	652006	55.48	ug/L		100
61) 4-methyl-2-pentanone	10.497	43	396004	55.55	ug/L		100
62) toluene	11.164	92	971808	53.77	ug/L		100
63) trans-1,3-dichloropropene	10.814	75	537683	50.21	ug/L		100
64) 1,1,2-trichloroethane	10.982	83	295310	55.26	ug/L		100
65) ethyl methacrylate	11.198	69	448355	52.24	ug/L		100
67) tetrachloroethene	11.898	166	401389	48.62	ug/L		100
68) 1,3-dichloropropane	11.218	76	603888	52.61	ug/L		100
69) dibromochloromethane	11.501	129	366396	50.00	ug/L		100
70) 1,2-dibromoethane	11.750	107	350654	52.44	ug/L		100
71) 2-hexanone	11.360	43	294167	50.37	ug/L		100
72) chlorobenzene	12.579	112	1053941	50.37	ug/L		100
73) 1,1,1,2-tetrachloroethane	12.498	131	375299	53.42	ug/L		100
74) ethylbenzene	12.754	91	2000034	51.08	ug/L		100
75) m,p-xylene	12.943	106	1497181	103.69	ug/L		100
76) o-xylene	13.353	106	748837	52.27	ug/L		100
77) styrene	13.279	104	1150154	53.75	ug/L		100
78) bromoform	13.097	173	205689	47.40	ug/L		100
79) trans-1,4-dichloro-2-b...	13.515	53	76615	46.26	ug/L		100
81) isopropylbenzene	13.717	105	2100859	54.19	ug/L		100
83) bromobenzene	13.993	156	441293	53.79	ug/L		100
84) 1,1,2,2-tetrachloroethane	13.360	83	444699	55.43	ug/L		100
85) 1,2,3-trichloropropane	13.508	75	457115	54.67	ug/L		100
86) n-propylbenzene	14.162	91	2394644	54.75	ug/L		100
87) 2-chlorotoluene	14.276	91	1481434	53.02	ug/L		100
88) 4-chlorotoluene	14.350	91	1504573	53.77	ug/L		100
89) 1,3,5-trimethylbenzene	14.445	105	1737923	53.76	ug/L		100
90) tert-butylbenzene	14.741	91	1126549	52.71	ug/L		100
91) 1,2,4-trimethylbenzene	14.849	105	1683263	53.99	ug/L		100
92) sec-butylbenzene	14.970	105	2230110	54.96	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70805.D
Acq On : 5 Aug 2013 4:21 pm
Operator : krystend
Sample : ICC2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 09:17:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 09:17:04 2013
Response via : Initial Calibration

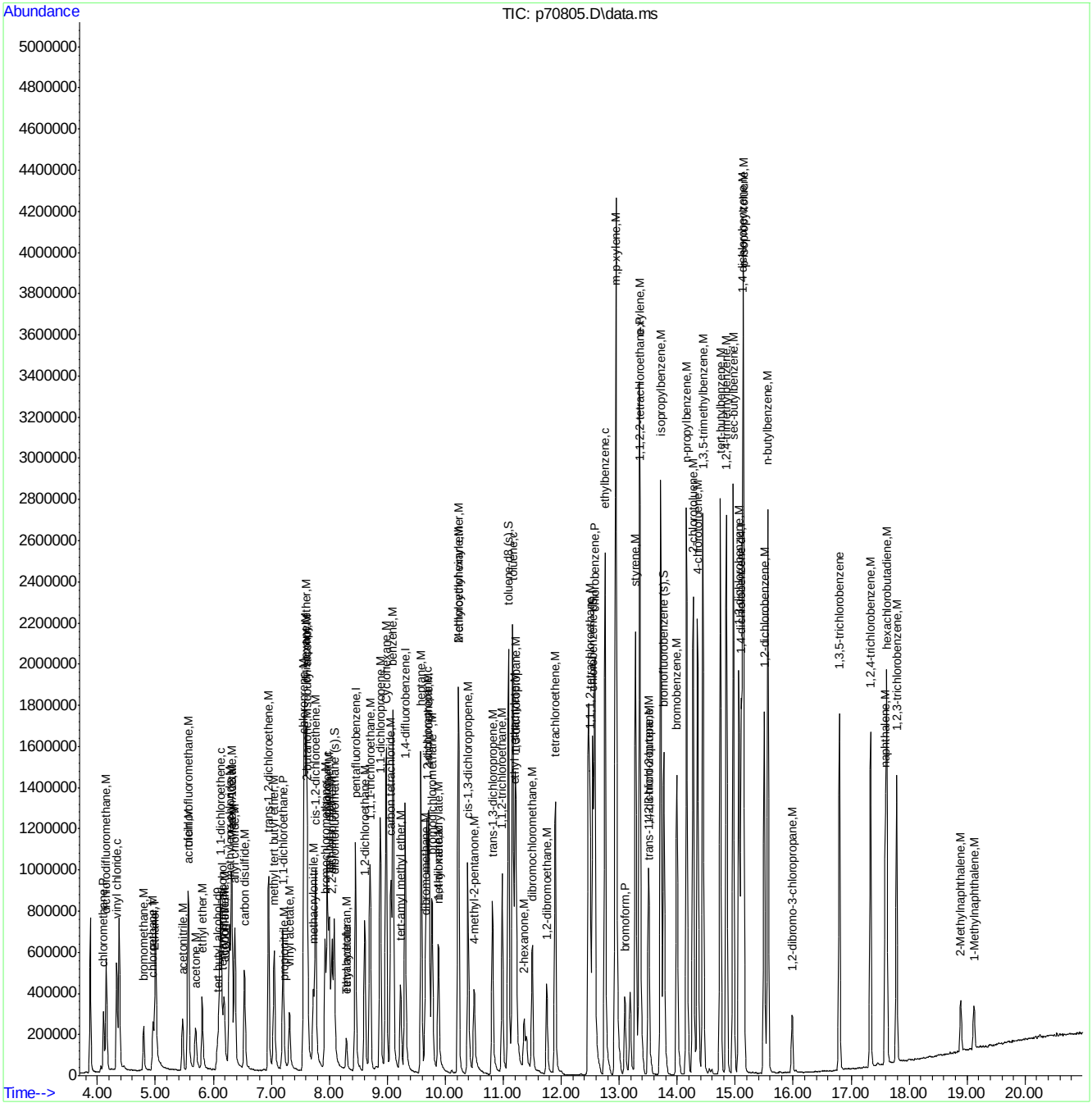
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	822423	53.43	ug/L	100
94)	p-isopropyltoluene	15.145	119	1555255	54.03	ug/L	100
95)	1,4-dichlorobenzene	15.132	146	779531	52.58	ug/L	100
96)	1,2-dichlorobenzene	15.502	146	764577	52.92	ug/L	100
97)	n-butylbenzene	15.563	91	1649220	56.04	ug/L	100
98)	1,2-dibromo-3-chloropr...	15.981	75	81716	48.89	ug/L	100
99)	1,3,5-trichlorobenzene	16.796	180	578341	53.64	ug/L	100
100)	1,2,4-trichlorobenzene	17.335	180	522122	50.37	ug/L	100
101)	hexachlorobutadiene	17.618	225	388346	49.68	ug/L	100
102)	naphthalene	17.591	128	822058	46.15	ug/L	100
103)	1,2,3-trichlorobenzene	17.786	180	452672	48.93	ug/L	100
104)	2-Methylnaphthalene	18.891	142	130404	24.56	ug/L	100
105)	1-Methylnaphthalene	19.120	142	115102	23.91	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70805.D
Acq On : 5 Aug 2013 4:21 pm
Operator : krystend
Sample : ICC2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 09:17:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 09:17:04 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23272

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70806.D
Acq On : 5 Aug 2013 4:49 pm
Operator : krystend
Sample : IC2318-100
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 08:55:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:21 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.065	65	256337	500.00	ug/L		-0.01
4) pentafluorobenzene	8.449	168	774182	50.00	ug/L		0.00
43) 1,4-difluorobenzene	9.305	114	1072323	50.00	ug/L		0.00
66) chlorobenzene-d5	12.545	82	648699	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.105	152	511595	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.086	113	957294	86.26	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 172.52%#				
60) toluene-d8 (s)	11.090	98	3558145	82.60	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 165.20%#				
82) bromofluorobenzene (s)	13.771	95	1528805	80.28	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 160.56%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.152	59	503061	676.93	ug/L		98
3) Ethanol	4.987	45	694313	7256.03	ug/L		98
5) dichlorodifluoromethane	4.152	85	578041	72.04	ug/L		100
6) chloromethane	4.105	50	532818	66.53	ug/L		98
7) vinyl chloride	4.334	62	769408	66.53	ug/L		99
8) bromomethane	4.798	96	276676	93.61	ug/L		97
9) chloroethane	4.953	64	310985	67.39	ug/L		97
10) ethyl ether	5.802	59	391044	69.91	ug/L		100
11) acetonitrile	5.465	41	213192	41.09	ug/L		96
12) trichlorofluoromethane	5.566	101	1210380	65.93	ug/L		99
13) freon-113	6.314	101	545906	65.63	ug/L		99
14) acrolein	5.566	56	170457	270.00	ug/L		100
15) 1,1-dichloroethene	6.132	96	429843	66.05	ug/L		98
16) acetone	5.694	58	73865	45.04	ug/L		92
17) Methyl Acetate	6.314	43	565697	59.26	ug/L		100
18) methylene chloride	6.280	84	518586	57.91	ug/L		96
19) methyl tert butyl ether	7.048	73	1062315	69.23	ug/L		99
20) acrylonitrile	6.193	53	157937	60.51	ug/L		99
21) allyl chloride	6.368	41	762558	70.68	ug/L		98
22) trans-1,2-dichloroethene	6.954	96	609789	70.50	ug/L		99
23) iodomethane	6.186	142	439883	102.28	ug/L		98
24) carbon disulfide	6.536	76	1540868	89.28	ug/L		99
25) propionitrile	7.223	54	82485	73.31	ug/L		100
26) vinyl acetate	7.311	43	875570	72.09	ug/L		99
27) chloroprene	7.560	53	1306626	73.50	ug/L		100
28) di-isopropyl ether	7.607	45	2399133	69.12	ug/L		98
29) methacrylonitrile	7.722	41	417241	75.25	ug/L		98
30) 2-butanone	7.621	72	93305	94.10	ug/L	#	67
31) Hexane	7.580	41	1347825	66.75	ug/L		99
32) 1,1-dichloroethane	7.203	63	1224124	68.85	ug/L		99
33) tert-butyl ethyl ether	7.998	59	786773	70.82	ug/L		99
34) isobutyl alcohol	7.607	43	2257321	346.91	ug/L		95
35) 2,2-dichloropropane	8.045	77	800094	110.91	ug/L		99
36) cis-1,2-dichloroethene	7.762	96	693007	70.93	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70806.D
Acq On : 5 Aug 2013 4:49 pm
Operator : krystend
Sample : IC2318-100
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 08:55:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:21 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.288	43	46555	47.41	ug/L		79
38) bromochloromethane	7.924	128	247648	68.83	ug/L		97
39) chloroform	7.964	83	1343440	69.95	ug/L		100
41) Tetrahydrofuran	8.295	42	188637	64.56	ug/L		96
42) 1,1,1-trichloroethane	8.705	97	1250445	73.62	ug/L		99
44) Cyclohexane	8.982	56	1336561	68.77	ug/L		98
45) carbon tetrachloride	9.063	117	1050088	76.73	ug/L		100
46) 1,1-dichloropropene	8.881	75	1065108	68.48	ug/L		99
47) benzene	9.096	78	2732592	60.14	ug/L		99
48) 1,2-dichloroethane	8.611	62	1169389	67.04	ug/L		100
49) tert-amyl methyl ether	9.231	73	573053	64.09	ug/L		99
50) heptane	9.581	43	1244016	67.58	ug/L		99
51) trichloroethene	9.716	95	826245	70.07	ug/L		97
52) 1,2-dichloropropane	9.682	63	734560	68.31	ug/L		100
53) dibromomethane	9.655	93	376202	69.40	ug/L		95
54) bromodichloromethane	9.770	83	1074714	81.38	ug/L		100
55) Methylcyclohexane	10.228	83	1262366	71.05	ug/L		96
56) 2-chloroethyl vinyl ether	10.228	63	15264	54.99	ug/L	#	93
57) methyl methacrylate	9.878	69	418688	77.15	ug/L		94
58) 1,4-dioxane	9.878	88	29522	350.25	ug/L		90
59) cis-1,3-dichloropropene	10.390	75	1195671	80.98	ug/L		98
61) 4-methyl-2-pentanone	10.497	43	669508	70.90	ug/L		97
62) toluene	11.164	92	1744023	71.28	ug/L		100
63) trans-1,3-dichloropropene	10.814	75	991359	82.92	ug/L		98
64) 1,1,2-trichloroethane	10.982	83	517514	73.13	ug/L		95
65) ethyl methacrylate	11.198	69	795845	78.91	ug/L		98
67) tetrachloroethene	11.899	166	721016	68.18	ug/L		99
68) 1,3-dichloropropane	11.218	76	1048758	69.75	ug/L		100
69) dibromochloromethane	11.501	129	676706	89.12	ug/L		99
70) 1,2-dibromoethane	11.750	107	616700	73.06	ug/L		99
71) 2-hexanone	11.353	43	526492	70.44	ug/L		99
72) chlorobenzene	12.579	112	1918656	70.26	ug/L		99
73) 1,1,1,2-tetrachloroethane	12.498	131	673272	76.25	ug/L		98
74) ethylbenzene	12.754	91	3670439	71.18	ug/L		100
75) m,p-xylene	12.943	106	2687535	141.03	ug/L		99
76) o-xylene	13.354	106	1346109	71.87	ug/L		97
77) styrene	13.279	104	2128195	79.79	ug/L		99
78) bromoform	13.098	173	391529	95.71	ug/L		94
79) trans-1,4-dichloro-2-b...	13.509	53	145825	98.91	ug/L	#	75
81) isopropylbenzene	13.717	105	3817972	67.36	ug/L		99
83) bromobenzene	13.994	156	810033	70.23	ug/L		100
84) 1,1,2,2-tetrachloroethane	13.360	83	769428	67.78	ug/L		96
85) 1,2,3-trichloropropane	13.509	75	810415	71.57	ug/L		99
86) n-propylbenzene	14.162	91	4410645	69.01	ug/L		99
87) 2-chlorotoluene	14.276	91	2716822	68.02	ug/L		100
88) 4-chlorotoluene	14.351	91	2750411	69.47	ug/L		100
89) 1,3,5-trimethylbenzene	14.445	105	3220550	69.85	ug/L		100
90) tert-butylbenzene	14.741	91	2079264	67.60	ug/L		99
91) 1,2,4-trimethylbenzene	14.849	105	3143721	71.53	ug/L		100
92) sec-butylbenzene	14.970	105	4137157	70.98	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70806.D
Acq On : 5 Aug 2013 4:49 pm
Operator : krystend
Sample : IC2318-100
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 08:55:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:21 2013
Response via : Initial Calibration

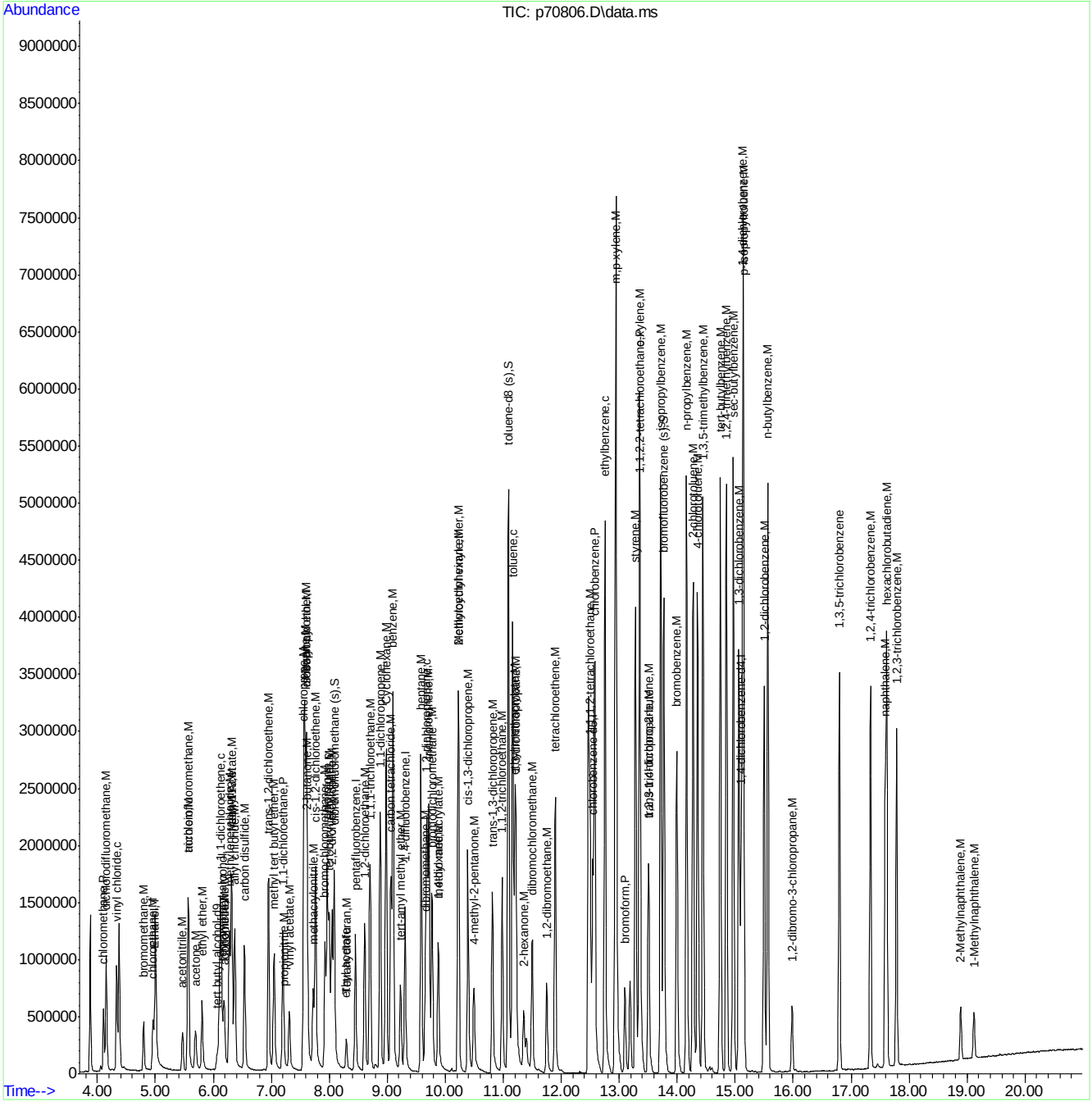
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.065	146	1537504	71.96	ug/L	99
94) p-isopropyltoluene	15.145	119	2907253	71.44	ug/L	99
95) 1,4-dichlorobenzene	15.132	146	1468268	69.66	ug/L	99
96) 1,2-dichlorobenzene	15.502	146	1458185	73.55	ug/L	100
97) n-butylbenzene	15.563	91	3185344	80.05	ug/L	99
98) 1,2-dibromo-3-chloropr...	15.981	75	162914	86.58	ug/L	99
99) 1,3,5-trichlorobenzene	16.796	180	1145201	79.10	ug/L	98
100) 1,2,4-trichlorobenzene	17.335	180	1065498	96.13	ug/L	100
101) hexachlorobutadiene	17.618	225	803579	76.22	ug/L	97
102) naphthalene	17.591	128	1840827	120.70	ug/L	100
103) 1,2,3-trichlorobenzene	17.786	180	959041	102.65	ug/L	98
104) 2-Methylnaphthalene	18.891	142	246957	34.21	ug/L	98
105) 1-Methylnaphthalene	19.120	142	215989	31.87	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70806.D
Acq On : 5 Aug 2013 4:49 pm
Operator : krystend
Sample : IC2318-100
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 08:55:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:21 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70807.D
Acq On : 5 Aug 2013 5:17 pm
Operator : krystend
Sample : IC2318-200
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 08:56:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.065	65	302353	500.00	ug/L	-0.01
4) pentafluorobenzene	8.449	168	815411	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.305	114	1143608	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	697965	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	586462	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	1597585	134.57	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 269.14%#			
60) toluene-d8 (s)	11.090	98	6029278	130.39	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 260.78%#			
82) bromofluorobenzene (s)	13.771	95	2541998	116.37	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 232.74%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.146	59	1334290	1627.35	ug/L #	55
3) Ethanol	4.974	45	1785699	16740.24	ug/L	99
5) dichlorodifluoromethane	4.152	85	1412780	177.08	ug/L	100
6) chloromethane	4.105	50	1590094	202.04	ug/L	100
7) vinyl chloride	4.334	62	1807612	159.05	ug/L	100
8) bromomethane	4.798	96	739309	240.55	ug/L	100
9) chloroethane	4.953	64	752418	165.60	ug/L	99
10) ethyl ether	5.802	59	1017270	183.73	ug/L	99
11) acetonitrile	5.465	41	283567	58.82	ug/L	100
12) trichlorofluoromethane	5.566	101	2893848	160.61	ug/L	99
13) freon-113	6.314	101	1326421	162.58	ug/L	99
14) acrolein	5.560	56	454597	752.92	ug/L	98
15) 1,1-dichloroethene	6.125	96	1042580	163.19	ug/L	98
16) acetone	5.694	58	175119	113.89	ug/L	88
17) Methyl Acetate	6.314	43	1519513	164.53	ug/L	99
18) methylene chloride	6.274	84	1305717	151.16	ug/L	95
19) methyl tert butyl ether	7.048	73	2990560	197.16	ug/L	99
20) acrylonitrile	6.186	53	416993	164.69	ug/L	99
21) allyl chloride	6.368	41	1556567	145.51	ug/L	100
22) trans-1,2-dichloroethene	6.947	96	1518591	177.15	ug/L	97
23) iodomethane	6.179	142	1104034	242.63	ug/L	100
24) carbon disulfide	6.536	76	4414266	248.15	ug/L	100
25) propionitrile	7.217	54	232228	207.01	ug/L	100
26) vinyl acetate	7.304	43	2498620	206.88	ug/L	99
27) chloroprene	7.560	53	3198030	180.36	ug/L	99
28) di-isopropyl ether	7.607	45	5970642	174.07	ug/L	93
29) methacrylonitrile	7.715	41	1111332	200.21	ug/L	97
30) 2-butanone	7.614	72	244183	236.59	ug/L	99
31) Hexane	7.580	41	3269428	164.67	ug/L	97
32) 1,1-dichloroethane	7.197	63	3045183	173.42	ug/L	99
33) tert-butyl ethyl ether	7.998	59	2504435	227.30	ug/L	100
34) isobutyl alcohol	7.607	43	5597936	870.09	ug/L	99
35) 2,2-dichloropropane	8.045	77	2504754	322.61	ug/L	99
36) cis-1,2-dichloroethene	7.762	96	1752259	180.79	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70807.D
Acq On : 5 Aug 2013 5:17 pm
Operator : krystend
Sample : IC2318-200
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 08:56:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.288	43	122399	136.25	ug/L		83
38) bromochloromethane	7.924	128	616156	173.41	ug/L		97
39) chloroform	7.964	83	3336220	175.47	ug/L		99
41) Tetrahydrofuran	8.288	42	529465	185.17	ug/L		97
42) 1,1,1-trichloroethane	8.699	97	3138244	185.19	ug/L		100
44) Cyclohexane	8.982	56	3308427	170.25	ug/L		98
45) carbon tetrachloride	9.062	117	2653982	190.71	ug/L		98
46) 1,1-dichloropropene	8.881	75	2686207	172.83	ug/L		99
47) benzene	9.096	78	6852316	151.48	ug/L		99
48) 1,2-dichloroethane	8.611	62	3024671	174.06	ug/L		99
49) tert-amyl methyl ether	9.224	73	1831185	206.90	ug/L		98
50) heptane	9.581	43	3148354	171.48	ug/L		99
51) trichloroethene	9.716	95	2049764	171.56	ug/L		98
52) 1,2-dichloropropane	9.682	63	1891026	176.05	ug/L		100
53) dibromomethane	9.655	93	993853	183.11	ug/L		95
54) bromodichloromethane	9.770	83	2820786	208.02	ug/L		99
55) Methylcyclohexane	10.228	83	3185528	178.44	ug/L		96
56) 2-chloroethyl vinyl ether	10.228	63	36622	139.40	ug/L	#	90
57) methyl methacrylate	9.878	69	1143130	206.96	ug/L		99
58) 1,4-dioxane	9.871	88	81700	982.42	ug/L		81
59) cis-1,3-dichloropropene	10.390	75	3198858	211.17	ug/L		100
61) 4-methyl-2-pentanone	10.491	43	1824035	192.32	ug/L		96
62) toluene	11.158	92	4386564	178.36	ug/L		98
63) trans-1,3-dichloropropene	10.814	75	2764016	224.46	ug/L		100
64) 1,1,2-trichloroethane	10.982	83	1353671	189.56	ug/L		99
65) ethyl methacrylate	11.191	69	2152941	208.97	ug/L		83
67) tetrachloroethene	11.899	166	1802739	167.32	ug/L		99
68) 1,3-dichloropropane	11.218	76	2677341	176.15	ug/L		99
69) dibromochloromethane	11.501	129	1837271	229.88	ug/L		100
70) 1,2-dibromoethane	11.750	107	1656979	192.84	ug/L		100
71) 2-hexanone	11.346	43	1399434	184.96	ug/L		98
72) chlorobenzene	12.579	112	4880642	176.63	ug/L		99
73) 1,1,1,2-tetrachloroethane	12.498	131	1745860	192.93	ug/L		96
74) ethylbenzene	12.754	91	9193653	175.83	ug/L		100
75) m,p-xylene	12.943	106	6658822	345.12	ug/L		99
76) o-xylene	13.354	106	3352782	176.30	ug/L		98
77) styrene	13.279	104	5317344	193.09	ug/L		100
78) bromoform	13.098	173	1168075	267.68	ug/L		96
79) trans-1,4-dichloro-2-b...	13.509	53	464044	293.19	ug/L		91
81) isopropylbenzene	13.717	105	9591322	157.93	ug/L		99
83) bromobenzene	13.994	156	2114373	170.04	ug/L		99
84) 1,1,2,2-tetrachloroethane	13.360	83	2061582	169.34	ug/L		97
85) 1,2,3-trichloropropane	13.509	75	2297976	187.70	ug/L		100
86) n-propylbenzene	14.162	91	11186869	162.77	ug/L		100
87) 2-chlorotoluene	14.276	91	6975939	162.77	ug/L		100
88) 4-chlorotoluene	14.351	91	7127067	167.25	ug/L		100
89) 1,3,5-trimethylbenzene	14.438	105	8250515	166.12	ug/L		100
90) tert-butylbenzene	14.741	91	5265978	159.70	ug/L		99
91) 1,2,4-trimethylbenzene	14.849	105	8118468	170.88	ug/L		99
92) sec-butylbenzene	14.970	105	10602067	168.46	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70807.D
Acq On : 5 Aug 2013 5:17 pm
Operator : krystend
Sample : IC2318-200
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 08:56:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:49 2013
Response via : Initial Calibration

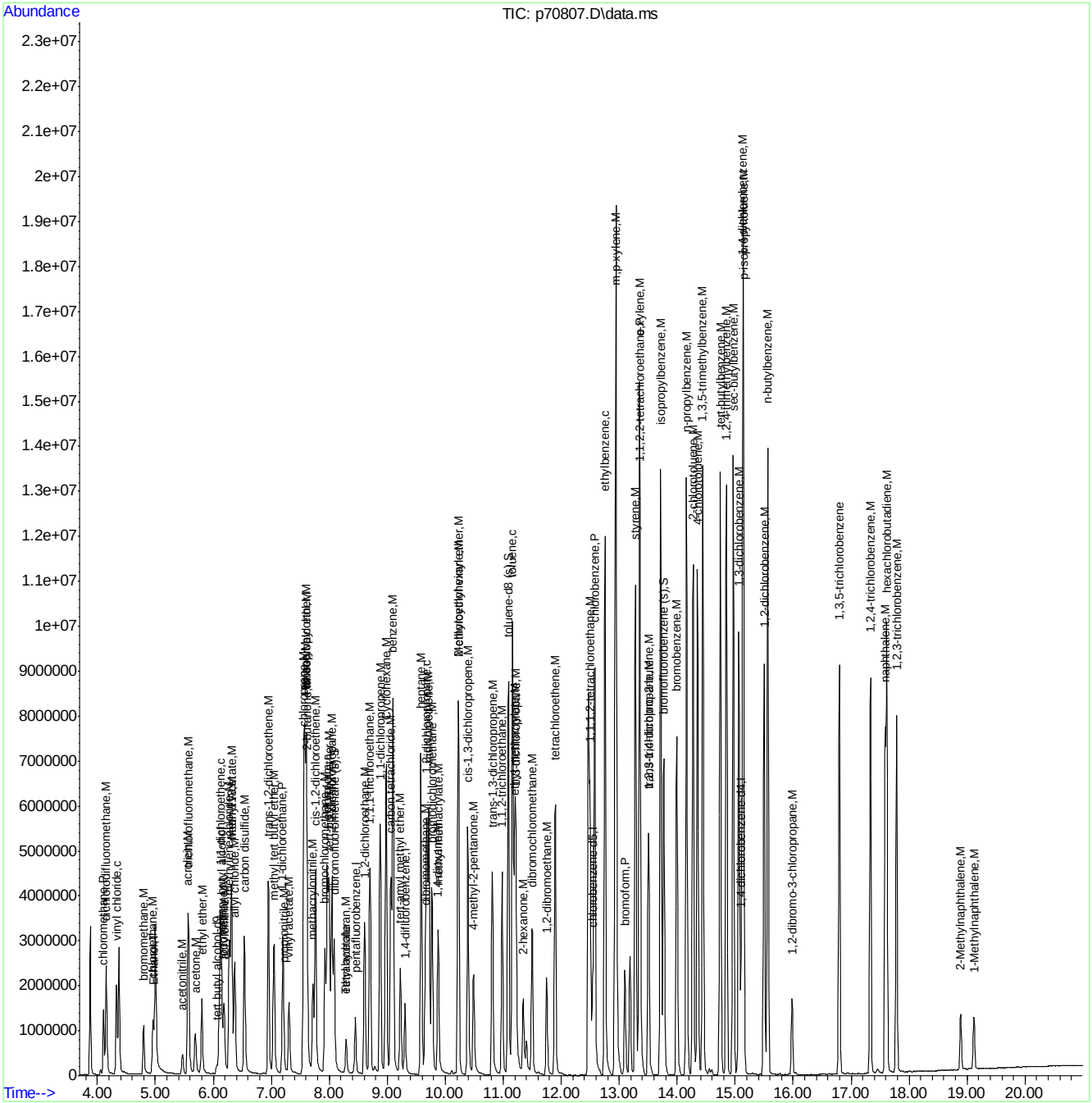
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.065	146	4060144	175.61	ug/L	99
94) p-isopropyltoluene	15.145	119	7446530	169.30	ug/L	98
95) 1,4-dichlorobenzene	15.132	146	3760447	165.70	ug/L	99
96) 1,2-dichlorobenzene	15.502	146	3890761	180.76	ug/L	99
97) n-butylbenzene	15.563	91	8403483	191.89	ug/L	99
98) 1,2-dibromo-3-chloropr...	15.981	75	484996	231.06	ug/L	93
99) 1,3,5-trichlorobenzene	16.796	180	3001071	188.72	ug/L	100
100) 1,2,4-trichlorobenzene	17.335	180	2868256	227.50	ug/L	98
101) hexachlorobutadiene	17.618	225	2138202	185.75	ug/L	98
102) naphthalene	17.591	128	5439215	298.74	ug/L	100
103) 1,2,3-trichlorobenzene	17.786	180	2614613	242.84	ug/L	97
104) 2-Methylnaphthalene	18.891	142	658255	84.91	ug/L	98
105) 1-Methylnaphthalene	19.120	142	630549	87.50	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70807.D
Acq On : 5 Aug 2013 5:17 pm
Operator : krystend
Sample : IC2318-200
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 08:56:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:49 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70808.D
Acq On : 5 Aug 2013 5:45 pm
Operator : krystend
Sample : IC2318-400
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 08:56:31 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:56:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.058	65	333186	500.00	ug/L		-0.02
4) pentafluorobenzene	8.449	168	916859	50.00	ug/L		0.00
43) 1,4-difluorobenzene	9.305	114	1287297	50.00	ug/L		0.00
66) chlorobenzene-d5	12.538	82	742844	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.105	152	619568	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.086	113	3688536	283.84	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 567.68%#				
60) toluene-d8 (s)	11.090	98	13752356	272.62	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 545.24%#				
82) bromofluorobenzene (s)	13.771	95	5745153	260.80	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 521.60%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.139	59	2789417	3186.19	ug/L	#	55
3) Ethanol	4.974	45	3603603	31512.18	ug/L		100
5) dichlorodifluoromethane	4.152	85	2870028	326.16	ug/L		100
6) chloromethane	4.105	50	3516717	396.73	ug/L		99
7) vinyl chloride	4.327	62	3498021	283.40	ug/L		98
8) bromomethane	4.798	96	1660554	464.81	ug/L		99
9) chloroethane	4.953	64	1573837	317.16	ug/L		99
10) ethyl ether	5.802	59	2134203	347.52	ug/L		94
11) acetonitrile	5.465	41	369426	77.24	ug/L		95
12) trichlorofluoromethane	5.566	101	5881673	300.17	ug/L		99
13) freon-113	6.314	101	3113431	350.32	ug/L		100
14) acrolein	5.560	56	976242	1499.75	ug/L		99
15) 1,1-dichloroethene	6.125	96	2225832	319.65	ug/L		96
16) acetone	5.688	58	352388	219.58	ug/L	#	86
17) Methyl Acetate	6.307	43	3763348	373.44	ug/L		99
18) methylene chloride	6.274	84	2906932	311.99	ug/L		94
19) methyl tert butyl ether	7.042	73	6679225	392.56	ug/L		99
20) acrylonitrile	6.186	53	892518	323.00	ug/L		100
21) allyl chloride	6.368	41	3934314	342.65	ug/L		98
22) trans-1,2-dichloroethene	6.947	96	3263892	345.19	ug/L		99
23) iodomethane	6.179	142	2425169	457.74	ug/L		97
24) carbon disulfide	6.536	76	10035308	482.36	ug/L		99
25) propionitrile	7.210	54	488758	385.23	ug/L		100
26) vinyl acetate	7.304	43	5498694	402.59	ug/L		98
27) chloroprene	7.554	53	6519466	332.43	ug/L		98
28) di-isopropyl ether	7.607	45	11873626	314.66	ug/L		91
29) methacrylonitrile	7.715	41	2282409	365.62	ug/L		96
30) 2-butanone	7.607	72	487163	407.37	ug/L	#	72
31) Hexane	7.580	41	6443477	297.38	ug/L		99
32) 1,1-dichloroethane	7.197	63	6266564	324.57	ug/L		100
33) tert-butyl ethyl ether	7.998	59	5834435	460.46	ug/L		99
34) isobutyl alcohol	7.607	43	11071886	1564.36	ug/L		97
35) 2,2-dichloropropane	8.045	77	5596455	581.63	ug/L		97
36) cis-1,2-dichloroethene	7.762	96	3659974	341.31	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70808.D
Acq On : 5 Aug 2013 5:45 pm
Operator : krystend
Sample : IC2318-400
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 08:56:31 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:56:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.288	43	255591	270.26	ug/L		76
38) bromochloromethane	7.924	128	1219991	312.28	ug/L		98
39) chloroform	7.964	83	6791556	324.31	ug/L		100
41) Tetrahydrofuran	8.288	42	1137784	358.31	ug/L		96
42) 1,1,1-trichloroethane	8.699	97	6477943	344.22	ug/L		99
44) Cyclohexane	8.982	56	6912066	324.02	ug/L		96
45) carbon tetrachloride	9.062	117	5462527	351.43	ug/L		99
46) 1,1-dichloropropene	8.881	75	5604003	327.74	ug/L		98
47) benzene	9.096	78	14192540	288.73	ug/L		100
48) 1,2-dichloroethane	8.611	62	6066903	317.02	ug/L		98
49) tert-amyl methyl ether	9.224	73	4212185	420.38	ug/L		97
50) heptane	9.581	43	6295346	312.03	ug/L		97
51) trichloroethene	9.716	95	4194267	318.33	ug/L		98
52) 1,2-dichloropropane	9.682	63	3870079	326.60	ug/L		100
53) dibromomethane	9.655	93	2038719	338.46	ug/L		95
54) bromodichloromethane	9.770	83	5798286	377.35	ug/L		99
55) Methylcyclohexane	10.228	83	6637798	336.37	ug/L		94
56) 2-chloroethyl vinyl ether	10.228	63	73388	264.18	ug/L	#	92
57) methyl methacrylate	9.878	69	2422195	387.33	ug/L		98
58) 1,4-dioxane	9.871	88	172748	1851.90	ug/L		85
59) cis-1,3-dichloropropene	10.390	75	6626352	385.02	ug/L		98
61) 4-methyl-2-pentanone	10.484	43	3859111	363.80	ug/L		95
62) toluene	11.158	92	9006522	331.30	ug/L		97
63) trans-1,3-dichloropropene	10.807	75	5808130	410.64	ug/L		99
64) 1,1,2-trichloroethane	10.982	83	2719963	341.34	ug/L		99
65) ethyl methacrylate	11.191	69	4460847	381.80	ug/L		80
67) tetrachloroethene	11.899	166	3644298	325.40	ug/L		98
68) 1,3-dichloropropane	11.218	76	5388242	339.84	ug/L		100
69) dibromochloromethane	11.494	129	3838516	440.30	ug/L		100
70) 1,2-dibromoethane	11.750	107	3401093	374.14	ug/L		100
71) 2-hexanone	11.339	43	2943735	370.20	ug/L		97
72) chlorobenzene	12.579	112	9921301	344.05	ug/L		100
73) 1,1,1,2-tetrachloroethane	12.498	131	3557760	371.59	ug/L		97
74) ethylbenzene	12.754	91	17340446	318.01	ug/L		87
75) m,p-xylene	12.943	106	13225188	659.11	ug/L	#	48
76) o-xylene	13.354	106	6690300	337.20	ug/L		96
77) styrene	13.279	104	10787904	370.21	ug/L		98
78) bromoform	13.098	173	2546661	519.07	ug/L		96
79) trans-1,4-dichloro-2-b...	13.509	53	1050513	578.68	ug/L	#	80
81) isopropylbenzene	13.711	105	17372308	280.61	ug/L		92
83) bromobenzene	13.994	156	4239461	330.98	ug/L		99
84) 1,1,2,2-tetrachloroethane	13.360	83	4165246	332.35	ug/L		97
85) 1,2,3-trichloropropane	13.502	75	4821698	376.65	ug/L		99
86) n-propylbenzene	14.155	91	18422393	261.86	ug/L		87
87) 2-chlorotoluene	14.276	91	13924071	317.38	ug/L		99
88) 4-chlorotoluene	14.351	91	14048886	320.82	ug/L		99
89) 1,3,5-trimethylbenzene	14.438	105	15613128	306.22	ug/L		93
90) tert-butylbenzene	14.741	91	10387035	308.53	ug/L		99
91) 1,2,4-trimethylbenzene	14.849	105	15482779	316.14	ug/L		91
92) sec-butylbenzene	14.964	105	18155009	280.42	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70808.D
Acq On : 5 Aug 2013 5:45 pm
Operator : krystend
Sample : IC2318-400
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 08:56:31 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:56:17 2013
Response via : Initial Calibration

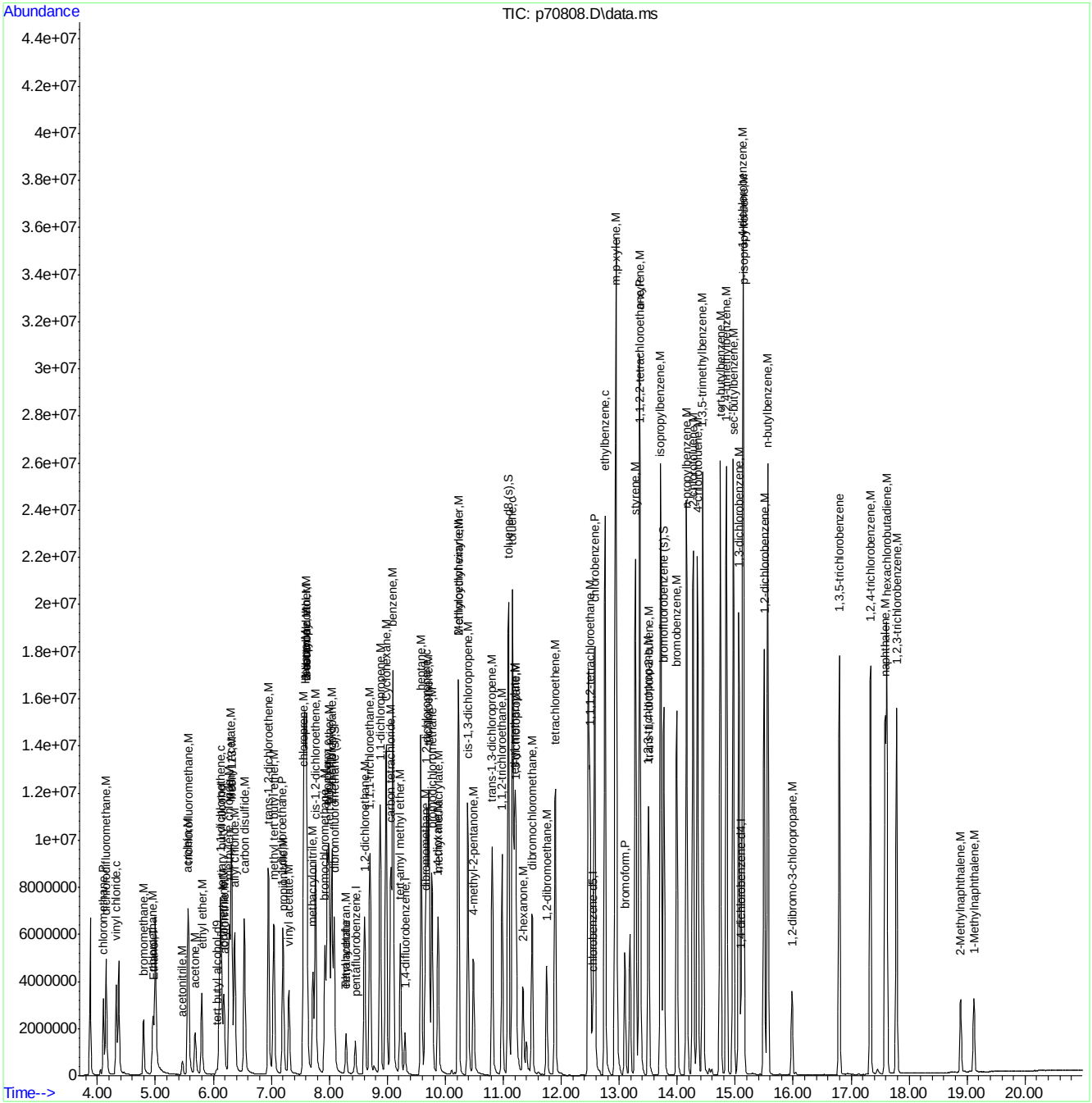
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	8066129	337.08	ug/L	99
94)	p-isopropyltoluene	15.145	119	14353815	317.01	ug/L	100
95)	1,4-dichlorobenzene	15.132	146	7302805	313.55	ug/L	99
96)	1,2-dichlorobenzene	15.502	146	7701227	344.19	ug/L	100
97)	n-butylbenzene	15.556	91	15570759	338.84	ug/L	98
98)	1,2-dibromo-3-chloropr...	15.981	75	1010993	444.41	ug/L	94
99)	1,3,5-trichlorobenzene	16.796	180	5893121	354.11	ug/L	100
100)	1,2,4-trichlorobenzene	17.335	180	5705228	418.74	ug/L	100
101)	hexachlorobutadiene	17.618	225	4171079	347.11	ug/L	99
102)	naphthalene	17.584	128	11211939	538.58	ug/L	100
103)	1,2,3-trichlorobenzene	17.786	180	5241051	444.89	ug/L	99
104)	2-Methylnaphthalene	18.891	142	1693638	212.13	ug/L	100
105)	1-Methylnaphthalene	19.120	142	1682777	225.75	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70808.D
Acq On : 5 Aug 2013 5:45 pm
Operator : krystend
Sample : IC2318-400
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 08:56:31 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:56:17 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70811.D
Acq On : 5 Aug 2013 7:10 pm
Operator : krystend
Sample : ICV2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 12:42:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	267821	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	827987	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	1124893	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	688959	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	508154	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	411821	49.42	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 98.84%#			
60) toluene-d8 (s)	11.090	98	1550946	49.77	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 99.54%#			
82) bromofluorobenzene (s)	13.771	95	599371	46.97	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 93.94%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	329842	551.73	ug/kg	98
3) Ethanol	4.980	45	400658	5125.72	ug/kg	100
5) dichlorodifluoromethane	4.152	85	370175	54.52	ug/kg	99
6) chloromethane	4.104	50	445235	62.74	ug/kg	100
7) vinyl chloride	4.333	62	388209	41.15	ug/kg	97
8) bromomethane	4.798	96	183016	55.67	ug/kg	96
9) chloroethane	4.953	64	213297	55.72	ug/kg	98
10) ethyl ether	5.809	59	256990	53.78	ug/kg	97
11) acetonitrile	5.465	41	168266	50.64	ug/kg	93
12) trichlorofluoromethane	5.566	101	729615	49.03	ug/kg	97
13) freon-113	6.314	101	370165	53.47	ug/kg	99
14) acrolein	5.566	56	204638	465.53	ug/kg	99
15) 1,1-dichloroethene	6.125	96	305312	56.96	ug/kg	98
16) acetone	5.694	58	38759	40.57	ug/kg#	69
17) Methyl Acetate	6.321	43	308987	39.07	ug/kg	99
18) methylene chloride	6.280	84	350566	54.83	ug/kg	93
19) methyl tert butyl ether	7.048	73	733756	54.64	ug/kg	99
20) acrylonitrile	6.193	53	103821	48.78	ug/kg	99
21) allyl chloride	6.368	41	620692	70.03	ug/kg	99
22) trans-1,2-dichloroethene	6.954	96	413473	56.09	ug/kg	99
23) iodomethane	6.179	142	239209	47.83	ug/kg	98
24) carbon disulfide	6.536	76	1159986	59.94	ug/kg	99
25) propionitrile	7.230	54	53037	50.09	ug/kg	100
26) vinyl acetate	7.311	43	448002	41.17	ug/kg	99
27) chloroprene	7.560	53	905644	60.05	ug/kg	98
28) di-isopropyl ether	7.607	45	1537610	53.23	ug/kg	97
29) methacrylonitrile	7.722	41	252812	51.57	ug/kg	96
30) 2-butanone	7.621	72	54050	48.89	ug/kg	95
31) Hexane	7.580	41	872681	52.87	ug/kg	98
32) 1,1-dichloroethane	7.203	63	883993	59.53	ug/kg	99
33) tert-butyl ethyl ether	7.998	59	538710	50.58	ug/kg	99
34) isobutyl alcohol	7.607	43	1431805	265.40	ug/kg	87
35) 2,2-dichloropropane	8.045	77	492748	49.01	ug/kg	98
36) cis-1,2-dichloroethene	7.762	96	449782	53.96	ug/kg	97

ACCUTEST LABORATORIES MC23272

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70811.D
Acq On : 5 Aug 2013 7:10 pm
Operator : krystend
Sample : ICV2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 12:42:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.294	43	32368	53.83	ug/kg#	62
38) bromochloromethane	7.931	128	185561	62.07	ug/kg	94
39) chloroform	7.964	83	927085	57.60	ug/kg	99
41) Tetrahydrofuran	8.294	42	126679	50.48	ug/kg	98
42) 1,1,1-trichloroethane	8.705	97	853077	58.52	ug/kg	100
44) Cyclohexane	8.982	56	832900	52.58	ug/kg	98
45) carbon tetrachloride	9.062	117	702464	60.12	ug/kg	97
46) 1,1-dichloropropene	8.881	75	698175	54.91	ug/kg	98
47) benzene	9.096	78	1802784	56.32	ug/kg	99
48) 1,2-dichloroethane	8.611	62	736338	51.85	ug/kg	100
49) tert-amyl methyl ether	9.231	73	399433	52.00	ug/kg	97
50) heptane	9.581	43	791346	53.04	ug/kg	99
51) trichloroethene	9.716	95	522185	55.11	ug/kg	97
52) 1,2-dichloropropane	9.682	63	477390	54.04	ug/kg	99
53) dibromomethane	9.662	93	268093	59.35	ug/kg	93
54) bromodichloromethane	9.770	83	672600	57.23	ug/kg	99
55) Methylcyclohexane	10.228	83	831081	56.28	ug/kg	96
56) 2-chloroethyl vinyl ether	10.221	63	10050	54.49	ug/kg#	99
57) methyl methacrylate	9.877	69	272694	57.10	ug/kg	95
58) 1,4-dioxane	9.884	88	17676	246.27	ug/kg	80
59) cis-1,3-dichloropropene	10.389	75	714477	54.32	ug/kg	99
61) 4-methyl-2-pentanone	10.497	43	440654	55.23	ug/kg	97
62) toluene	11.164	92	1147642	56.74	ug/kg	99
63) trans-1,3-dichloropropene	10.814	75	617202	51.41	ug/kg	98
64) 1,1,2-trichloroethane	10.982	83	319055	53.35	ug/kg	98
65) ethyl methacrylate	11.198	69	505750	52.64	ug/kg	98
67) tetrachloroethene	11.898	166	502323	55.40	ug/kg	98
68) 1,3-dichloropropane	11.218	76	670723	53.21	ug/kg	99
69) dibromochloromethane	11.501	129	418225	51.76	ug/kg	98
70) 1,2-dibromoethane	11.750	107	395630	53.88	ug/kg	98
71) 2-hexanone	11.360	43	314221	48.99	ug/kg	100
72) chlorobenzene	12.579	112	1172565	51.03	ug/kg	98
73) 1,1,1,2-tetrachloroethane	12.498	131	422698	54.79	ug/kg	95
74) ethylbenzene	12.754	91	2284547	53.13	ug/kg	99
75) m,p-xylene	12.943	106	1679672	105.93	ug/kg	97
76) o-xylene	13.353	106	816367	51.89	ug/kg	99
77) styrene	13.279	104	1279075	54.43	ug/kg	100
78) bromoform	13.098	173	249001	51.26	ug/kg	97
79) trans-1,4-dichloro-2-b...	13.508	53	85379	46.77	ug/kg#	56
81) isopropylbenzene	13.717	105	2286617	53.96	ug/kg	99
83) bromobenzene	13.993	156	494380	55.12	ug/kg	98
84) 1,1,2,2-tetrachloroethane	13.360	83	491114	55.99	ug/kg	98
85) 1,2,3-trichloropropane	13.508	75	500475	54.75	ug/kg	99
86) n-propylbenzene	14.162	91	2525086	52.81	ug/kg	100
87) 2-chlorotoluene	14.276	91	1541954	50.48	ug/kg	98
88) 4-chlorotoluene	14.350	91	1603387	52.41	ug/kg	99
89) 1,3,5-trimethylbenzene	14.438	105	1864901	52.77	ug/kg	99
90) tert-butylbenzene	14.741	91	1194937	51.14	ug/kg	98
91) 1,2,4-trimethylbenzene	14.849	105	1805652	52.97	ug/kg	100
92) sec-butylbenzene	14.970	105	2393272	53.96	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70811.D
Acq On : 5 Aug 2013 7:10 pm
Operator : krystend
Sample : ICV2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 12:42:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

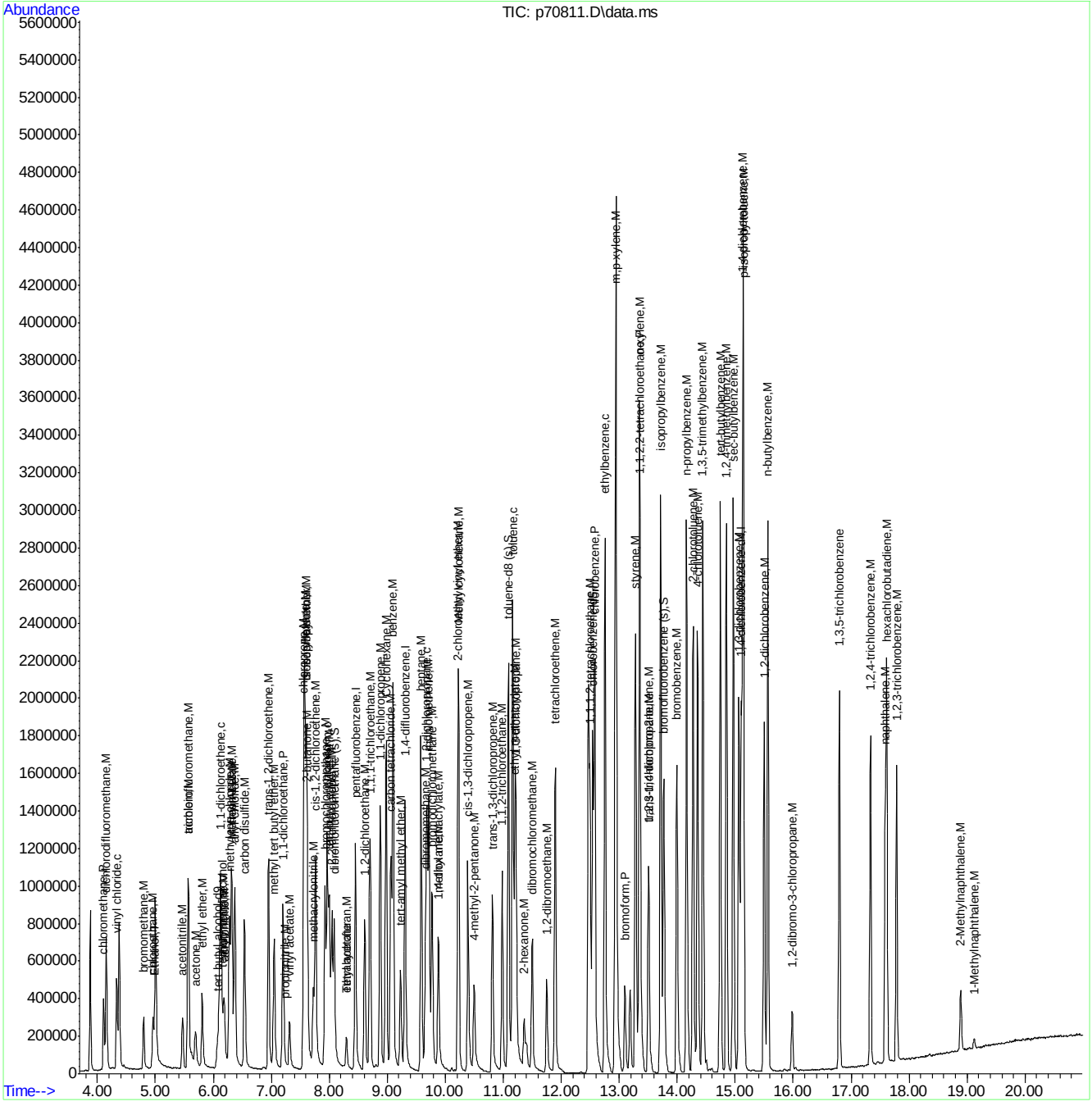
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	853604	50.73	ug/kg	99
94)	p-isopropyltoluene	15.145	119	1795147	57.05	ug/kg	98
95)	1,4-dichlorobenzene	15.132	146	869045	53.62	ug/kg	98
96)	1,2-dichlorobenzene	15.502	146	810352	51.31	ug/kg	97
97)	n-butylbenzene	15.563	91	1788357	55.58	ug/kg	99
98)	1,2-dibromo-3-chloropr...	15.981	75	87853	48.19	ug/kg	98
99)	1,3,5-trichlorobenzene	16.796	180	667763	56.66	ug/kg	100
100)	1,2,4-trichlorobenzene	17.335	180	570402	50.34	ug/kg	100
101)	hexachlorobutadiene	17.618	225	449194	52.56	ug/kg	99
102)	naphthalene	17.591	128	998271	50.39	ug/kg	100
103)	1,2,3-trichlorobenzene	17.786	180	512045	50.51	ug/kg	99
104)	2-Methylnaphthalene	18.891	142	168896	29.10	ug/kg	100
105)	1-Methylnaphthalene	19.120	142	28086	5.34	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70811.D
Acq On : 5 Aug 2013 7:10 pm
Operator : krystend
Sample : ICV2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 12:42:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23272

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71015.D
Acq On : 14 Aug 2013 11:07 am
Operator : krystend
Sample : cc2318-50
Misc : ms29647,msp2326,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 14 11:31:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	372922	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	855002	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	1084646	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	705289	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	534749	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	415088	48.24	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 96.48%#			
60) toluene-d8 (s)	11.090	98	1351210	44.97	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 89.94%#			
82) bromofluorobenzene (s)	13.771	95	580066	43.20	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 86.40%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	433554	520.82	ug/kg	96
3) Ethanol	4.987	45	472668	4285.70	ug/kg	97
5) dichlorodifluoromethane	4.152	85	380632	54.29	ug/kg	98
6) chloromethane	4.104	50	358316	48.90	ug/kg	99
7) vinyl chloride	4.333	62	533597	54.77	ug/kg	99
8) bromomethane	4.798	96	175142	52.15	ug/kg	97
9) chloroethane	4.953	64	203927	51.59	ug/kg	97
10) ethyl ether	5.809	59	287158	58.20	ug/kg	100
11) acetonitrile	5.472	41	180168	52.51	ug/kg	96
12) trichlorofluoromethane	5.566	101	965712	62.84	ug/kg	98
13) freon-113	6.314	101	394469	55.18	ug/kg	95
14) acrolein	5.573	56	111801	247.72	ug/kg	98
15) 1,1-dichloroethene	6.132	96	293577	53.04	ug/kg	94
16) acetone	5.701	58	55642	59.65	ug/kg#	70
17) Methyl Acetate	6.321	43	413535	50.64	ug/kg	97
18) methylene chloride	6.280	84	366923	55.56	ug/kg	96
19) methyl tert butyl ether	7.048	73	859328	61.96	ug/kg	99
20) acrylonitrile	6.199	53	98006	44.59	ug/kg	91
21) allyl chloride	6.368	41	556076	60.76	ug/kg	98
22) trans-1,2-dichloroethene	6.954	96	332643	43.70	ug/kg	88
23) iodomethane	6.179	142	316420	59.94	ug/kg	83
24) carbon disulfide	6.536	76	939169	49.05	ug/kg	99
25) propionitrile	7.230	54	43972	40.74	ug/kg	100
26) vinyl acetate	7.318	43	586698	52.21	ug/kg	100
27) chloroprene	7.560	53	861412	55.31	ug/kg	89
28) di-isopropyl ether	7.607	45	1456341	48.82	ug/kg	98
29) methacrylonitrile	7.729	41	242247	47.85	ug/kg	90
30) 2-butanone	7.614	72	52668	46.18	ug/kg#	1
31) Hexane	7.580	41	891190	52.28	ug/kg#	86
32) 1,1-dichloroethane	7.203	63	743235	48.47	ug/kg	97
33) tert-butyl ethyl ether	7.998	59	645637	57.08	ug/kg	94
34) isobutyl alcohol	7.614	43	1404832	252.17	ug/kg	93
35) 2,2-dichloropropane	8.045	77	538877	51.26	ug/kg	95
36) cis-1,2-dichloroethene	7.762	96	372666	43.29	ug/kg	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71015.D
Acq On : 14 Aug 2013 11:07 am
Operator : krystend
Sample : cc2318-50
Misc : ms29647,msp2326,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 14 11:31:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.301	43	30782	49.41	ug/kg	89
38) bromochloromethane	7.924	128	145418	47.11	ug/kg	94
39) chloroform	7.964	83	899969	54.15	ug/kg	100
41) Tetrahydrofuran	8.294	42	97535	37.64	ug/kg	96
42) 1,1,1-trichloroethane	8.705	97	895215	59.47	ug/kg	99
44) Cyclohexane	8.982	56	703859	46.09	ug/kg	99
45) carbon tetrachloride	9.062	117	770719	68.41	ug/kg	100
46) 1,1-dichloropropene	8.880	75	625375	51.01	ug/kg	99
47) benzene	9.096	78	1444172	46.57	ug/kg	98
48) 1,2-dichloroethane	8.611	62	884928	64.62	ug/kg	95
49) tert-amyl methyl ether	9.231	73	475113	62.04	ug/kg	96
50) heptane	9.581	43	661569	45.99	ug/kg	94
51) trichloroethene	9.716	95	471872	51.58	ug/kg	95
52) 1,2-dichloropropane	9.689	63	392366	46.07	ug/kg	100
53) dibromomethane	9.662	93	235515	54.07	ug/kg	96
54) bromodichloromethane	9.770	83	702974	62.04	ug/kg	100
55) Methylcyclohexane	10.228	83	638786	44.86	ug/kg	95
56) 2-chloroethyl vinyl ether	10.228	63	10627	60.57	ug/kg#	78
57) methyl methacrylate	9.884	69	218457	47.44	ug/kg#	76
58) 1,4-dioxane	9.877	88	15349	223.34	ug/kg	91
59) cis-1,3-dichloropropene	10.389	75	672946	53.06	ug/kg	98
61) 4-methyl-2-pentanone	10.504	43	370242	48.13	ug/kg	96
62) toluene	11.164	92	928314	47.60	ug/kg	98
63) trans-1,3-dichloropropene	10.814	75	574361	49.74	ug/kg	93
64) 1,1,2-trichloroethane	10.982	83	264191	45.82	ug/kg	99
65) ethyl methacrylate	11.198	69	414308	44.96	ug/kg	80
67) tetrachloroethene	11.898	166	411666	44.35	ug/kg	98
68) 1,3-dichloropropane	11.218	76	587874	45.56	ug/kg	99
69) dibromochloromethane	11.501	129	417367	50.59	ug/kg	98
70) 1,2-dibromoethane	11.750	107	329106	43.78	ug/kg	100
71) 2-hexanone	11.366	43	296667	45.19	ug/kg	89
72) chlorobenzene	12.579	112	979166	41.62	ug/kg	94
73) 1,1,1,2-tetrachloroethane	12.498	131	417661	52.88	ug/kg	92
74) ethylbenzene	12.754	91	1937205	44.01	ug/kg	95
75) m,p-xylene	12.943	106	1394730	85.92	ug/kg	91
76) o-xylene	13.353	106	700905	43.52	ug/kg	89
77) styrene	13.279	104	971245	40.38	ug/kg	85
78) bromoform	13.097	173	239087	48.68	ug/kg	95
79) trans-1,4-dichloro-2-b...	13.508	53	106422	54.30	ug/kg#	78
81) isopropylbenzene	13.717	105	2042910	45.81	ug/kg	98
83) bromobenzene	13.993	156	425815	45.11	ug/kg	100
84) 1,1,2,2-tetrachloroethane	13.360	83	393696	42.65	ug/kg	94
85) 1,2,3-trichloropropane	13.508	75	440134	45.76	ug/kg	100
86) n-propylbenzene	14.162	91	2271266	45.14	ug/kg	99
87) 2-chlorotoluene	14.276	91	1441442	44.85	ug/kg	99
88) 4-chlorotoluene	14.350	91	1477752	45.90	ug/kg	96
89) 1,3,5-trimethylbenzene	14.438	105	1752833	47.14	ug/kg	95
90) tert-butylbenzene	14.741	91	1232255	50.11	ug/kg	88
91) 1,2,4-trimethylbenzene	14.849	105	1730770	48.25	ug/kg	97
92) sec-butylbenzene	14.963	105	2157711	46.23	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71015.D
Acq On : 14 Aug 2013 11:07 am
Operator : krystend
Sample : cc2318-50
Misc : ms29647,msp2326,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 14 11:31:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

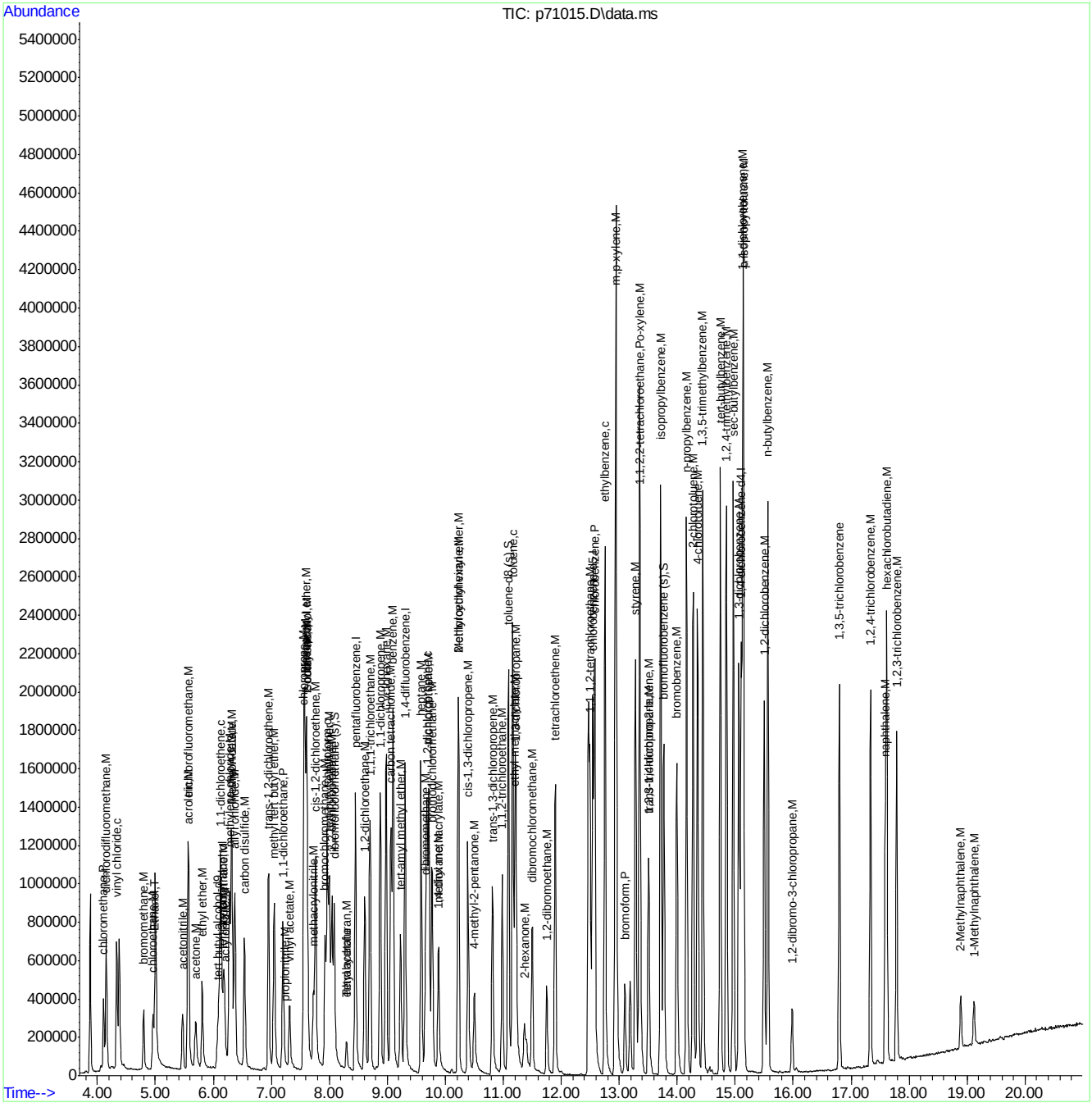
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.064	146	786098	44.39	ug/kg	98
94)	p-isopropyltoluene	15.145	119	1601363	48.36	ug/kg	97
95)	1,4-dichlorobenzene	15.132	146	789163	46.27	ug/kg	97
96)	1,2-dichlorobenzene	15.502	146	746987	44.94	ug/kg	98
97)	n-butylbenzene	15.563	91	1677291	49.54	ug/kg	99
98)	1,2-dibromo-3-chloropr...	15.981	75	100450	51.80	ug/kg	83
99)	1,3,5-trichlorobenzene	16.796	180	622052	50.15	ug/kg	99
100)	1,2,4-trichlorobenzene	17.335	180	572736	48.14	ug/kg	99
101)	hexachlorobutadiene	17.618	225	482701	53.68	ug/kg	96
102)	naphthalene	17.591	128	849372	42.25	ug/kg	100
103)	1,2,3-trichlorobenzene	17.786	180	516231	48.54	ug/kg	98
104)	2-Methylnaphthalene	18.891	142	135738	22.22	ug/kg	99
105)	1-Methylnaphthalene	19.120	142	114006	20.58	ug/kg	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130814\
Data File : p71015.D
Acq On : 14 Aug 2013 11:07 am
Operator : krystend
Sample : cc2318-50
Misc : ms29647,msp2326,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 14 11:31:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



Accutest Laboratories of New England, Inc.

Instrument: GCMS G

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9239	8260 IS	250ppb
48	SS	200ppb
77	CC	"
61	BS	"

Daily Saved File

Tune file 1:	G128900
Tune file 2:	MA
Initial Cal:	6/28/13
ID File:	G130628S.M
ICAL Verified:	G128911
Sequence verified:	jm

Date: 6/28/13

Batch ID: MSG5050

Analysts JM

Signature: jm

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
G128899	Blank		MA	Curve	26	S	10.0	—	50x	NA	
G128900	BFB				27						W 12:19am
01	ICV5050-0.5				28						W
02	-2				29						W
03	-5				30						W
04	-25				31						W
05	ICV5050-50				32						W
06	ICV5050-100				33						W
07	-200				34						W
08	-400				35						W
09	Blank				36						W
10	Blank				37						
11	ICV5050-50				38						
12	ICV5050-50				39						W bfb 5:28am
13	Blank				40						W
14	MB				41						W
15	MC22108-1	3	MS29262	RCP	42		10.0		25x		W methylene chloride
16	MC22071-2	1		STAR	2		10.467		50x		W
17	-3	1		ICL	3		9.878				W
18	-5	1		STAR	4		11.731				W
19	MC22129-1	2		Mid Cal. Curve Prep Check	5		10.06				W
20	-2	2			6		11.38				W
21	-3	2			7		10.20				W
22	-4	2			8		9.62				W
23	-5	2			9		13.31				W
24	-6	2			10		9.68				W
25	MC21255-1R	2		MCP	11		10.745				W
26	MC22065-1	2		STAR	12		9.929				W
27	MC21932-11	4		ATUNE 135 124	13		7.72				
28	-14	4			14		5.63				PRSSV
29	-15	4			15		6.57				W

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

Review:_____

Accutest Laboratories of New England, Inc.

Instrument: GCMS G

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
	See prior	

Daily Saved File

Tune file 1:	
Tune file 2:	
Initial Cal:	
ID File:	See prior
ICAL Verified:	
Sequence verified:	

Date: 6/29/13

Batch ID: MSG5050

Analysts JM

Signature: JM

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
G128930	MC21932-16	4	MS29262	8TXM 124 135	16	S	6.99	—	50x	NA	W
31	-16ms	4	↓	↓	17	↓	↓	↓	↓	↓	
32	-16msd	4			18						NOT SPIKED!
33	Blank				19						
34	Blank				20						
35	Blank				21						

JM 7/1/13

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:

31

7.2.1

7

ACCUTEST LABORATORIES MC23272

Accutest Laboratories of New England, Inc. **Instrument: GCMS G**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9288	8260 IS	250ppb
9307	SS	200ppb
9327	CC	
9311	BS	

Daily Saved File

Tune file 1:	G1130425
Tune file 2:	NA
Initial Cal:	6/28/13
ID File:	G1130628S.M
ICAL Verified:	JM
Sequence verified:	JM KK

Date: 8/13/13

Batch ID: MSG5087

Analysts JM

Signature: JM

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
G1130423	Blank	—	NA	NA	1	S	10.0g	—	50x	NA	
24	Blank	—			2						
25	CC5050-50	2			3						W 9:06am
26	BS	2			4						W
27	BSD	2			5						
28	Blank	—			6						
29	MB	—		⊕	7						W
30	MC23404-1	3	MS29648	RCP	8				25x		W
31	MC23451-1	6			9		10.33		25x		W
32	MC23384-3	5		BTXM	10		6.09		50x		W
33	MC23427-1	4		PADFTMB MTBE	11		10.20				W
34	MC23372-5	1		TCL42⊕	12		10.073				W
35	MC23449-1	2		STAR	13		11.040				W
36	-2	2			14		9.359				W
37	-3	2			15		11.016				W
38	-4	2			16		9.913				W
39	-5	2			17		10.156				W
40	-6	2			18		9.676				W
41	MC23450-2	1			19		9.414				W
42	-3	1			20		12.883				W
43	-4	1			21		10.504				W
44	MC23435-1	7		STD+MTBE	22		10.80				W
45	-4	7			23		8.89		200x		W
46	-5	8			24		8.42		250x		W
47	-2	7			25		14.64		1000x		W RR10,000x
48	-3	7			26		14.54		1000x		W RR10,000x
49	MC23427-lms	4			27		10.20		50x		W
50	-lmsd	4			28				50x		W

JM 8/13/13

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

Accutest Laboratories of New England, Inc. **Instrument: GCMS K**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS 9330	8260 25	250ppb
9307	55	200ppb
9329	CAL	↓
9311	↓ BS	

Daily Saved File

Tune file 1:	K72935
Tune file 2:	—
Initial Cal:	K130807S.m
ID File:	
ICAL Verified:	K72946
Sequence verified:	KE

Date: 8-7-13 Night

Batch ID: MSK2374

Analysts GK

Signature:

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
K72933	blk	—	MSG4614	8260Celow	29	S	10.0g	NA	50x	NA	✓
34	↓	↓			30						✓
35	BFB Tune	1			31						✓ 9:55pm
36	ic2374-0.5	2			32						✓
37	2				33						✓
38	5				34						✓
39	25				35						✓
40	icc 50				36						✓
41	100				37						✓
42	200				38						X BAD PURGE
43	↓ 400	↓			39						✓
44	blk	—			40						✓
45	↓	↓			41						✓
46	ICV-2374-50	2			42						✓
47	↓	↓	↓	↓	43	↓	↓	↓	↓	↓	✓ 3:30pm

GK 8-8-13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

Review:_____

Accutest Laboratories of New England, Inc. **Instrument: GCMS K**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS 9330	8260 IS	250 ppb
9307	SS	200 ppb
9327	CAL	
9311	BS	

Daily Saved File

Tune file 1:	K72949
Tune file 2:	
Initial Cal:	08-07-13
ID File:	K130807S.m
ICAL Verified:	K72946
Sequence verified:	KLR

Date: 8-8-13

Batch ID: MSK 2375

Analysts GK

Signature: Hang Krasinski

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
K72948	blk	—	MS29620	8260	1	S	10.0g	NA	50X	NA	✓
49	BFB/CC23145-50	1			2						✓ 8:58am
50	BS	2			3						✓
51	BSD	↓			4						✓
52	blk	—			5						✓
53	MB	↓			6		↓				✓
54	MC23133-1	5		SL	7		6.11				✓
55	MC23223-24	2		STD+MTBE	8		37.39		↓		✓
56	23	↓	MS29614		9		37.41		500X		✓
57	27	↓	MS29620	↓	10		34.43		↓		✓
58	MC23218-4	4			11		4.11		50X		✓
59	6	↓			12		6.37		↓		✓
60	7				13		5.59				✓
61	9				14		5.10				✓
62	10				15		5.61				✓
63	14	↓		↓	16		3.50				✓
64	MC23133-1 MS	5		SL	17		6.11				✓
65	-1 MSD	↓		↓	18		↓				✓
66	MC23218-8	4		STD+MTBE	19		5.32		500X		✓
67	MC23272-1	1		TCL 42 ④	20		10.505		50X		✓
68	2	↓			21		11.431		↓		✓
69	3				22		9.275				✓
70	4	↓		↓	23		9.350				RR 500X ~~tox~~ tetra
71	MC23228-1				24		11.134				RR 50X 4/a
72	-2	↓			25		9.666		↓		✓
73	MC23258-1	2		RCP	26		13.02		25X		✓
74	2	↓		↓	27		12.68		↓		✓
75	MC23228-3	↓		TCL 42 ④	28		10.177		50X		✓ 8:49pm
76	blk	—	↓	—	29	↓	—	↓	↓	↓	✓
					GK	8-9-13					

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review: 8/9/13

ACCUTEST LABORATORIES MC23272

Accutest Laboratories of New England, Inc. **Instrument: GCMS K**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9330	8260 IS	250ppb
9307	SS	200ppb
9327	CAL	"
9311	BS	"

Daily Saved File

Tune file 1:	K72987
Tune file 2:	
Initial Cal:	080713
ID File:	K130807S.m
ICAL Verified:	K72946
Sequence verified:	KR

Date: 8-9-13

Batch ID: MSK 2376

Analysts GK

Signature: Gary Kramer

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
K72986	blk	—	MS29626	8260	1	S	10.0g	NA	50x	NA	✓
87	BFB/cc2374-5c	1			2						✓✓ 9:45AM
88	BS	2			3						✓
89	BSD	↓			4						✓
90	blk	—			5						✓
91	MB	↓			6		↓				✓
92	MC23223-2g	2		STD+MTBE	7		13.81				✓
93	MC23228-1	1		TCL42 (+)	8		11.134				✓
94	↓ -1MS	↓		↓	9						✓
95	-1MSD				10		↓		↓		✓
96	MC23272-4	↓	MS29620		11		9.350		500x		✓
97	MC23137-6	3	MS29626	MIUG	12		12.44		50x		✓
98	8				13		13.93				✓
99	9				14		14.08				✓
K73000	11				15		14.00				✓
01	12				16		12.82				✓
02	15	↓			17		13.18				✓ Confirmation Run needed?
03	16	2			18		13.37				✓
04	8-BL23 -18 ~~+5~~	3			19		14.62				✓
05	-17 ~~+8~~	↓			20		14.05				500x Tol, mp, TMB
06	19	2			21		13.53				50x C/O
07	20	3			22		12.74				✓
08	21	↓			23		13.30				✓
09	22				24		13.90				500x TMB
10	23	↓		↓	25		14.61				500x Tol
11	MC23383-1	2		STAR	26		9.793				50x C/O benz
12	2	↓			27		10.850				✓
13	3	↓			28		10.193				✓ 9:36pm
14	blk	—		—	29	↓	—	↓	↓	↓	clean

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review: _____

Accutest Laboratories of New England, Inc. **Instrument: GCMS P**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9327	8260CC	200 ug/mL
311	BS	200
314	IS	50
307	SS	200

Daily Saved File

Tune file 1:	P70798
Tune file 2:	NA
Initial Cal:	8/5/13
ID File:	P130805S.M
ICAL Verified:	KD
Sequence verified:	KD

Date: 8/5/13

Batch ID: MSP2318

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
P70795	test 0.5	1	NA	8260	1	NA	NA	NA	NA	NA	-
96	test 5	1		Low Soil	2						-
97	blank	NA		curve	3						-
98	bfb				4						✓✓
99	blank				5						-
P70800	IC2318-0.5	1			6						✓✓
01	-2				7						✓✓
02	-5				8						✓✓
03	-10				9						✓ Removed
04	-20				10						✓✓
05	ICC2318-50				11						✓✓
06	IC2318-100				12						✓✓
07	-200				13						✓✓
08	-400				14						✓✓
09	blank	NA			15						-
10	blank				16						-
11	ICV2318-50	2			17						✓✓
12	ICV2318-50				18						
13	blank	NA			19						-
14	blank				20						-

8/5/13 (KD)

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

ACCUTEST LABORATORIES MC23272

Accutest Laboratories of New England, Inc. **Instrument: GCMS P**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9327	8260CC	200ug/mL
↓ 11	↓ BS	200 ↓
↓ 17	↓ IS/SS	50 ↓

Daily Saved File

Tune file 1:	P71015
Tune file 2:	NA
Initial Cal:	8/5/13
ID File:	P130805S.M
ICAL Verified:	KD
Sequence verified:	KR

Date: 8/14/13

Batch ID: MSP2326

Analysts KD

Signature: JKD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
P71010	blank	NA	NA	NA	1	NA	NA	NA	NA	NA	-
11	CC2318-50	1			2						↑ voltage
12	BS	2			3						↓
13	BSD	2			4						
14	iblk	NA			5						-
15	CC2318-50	1			6						VV
16	BS	2			7						VV
17	BSD	2			8						VV
18	iblk	NA			9						-
19	iblk	↓			10						-
20	mb	↓	↓	↓	11	↓	↓				VV
21	MC23218-5	3	MS29647	Std+MTBE	12	50	5.780				VV CF
22	MC23335-3	4	↓	STAR	13	↓	6.960				VV CF
23	↓ -4	3	↓	↓	14		7.030				VV CF
24	MC23272-6	1	MS29658	TCL42+	15		4.864				20+ics VV(↓IS)
25	↓ -6MS	1	↓	↓	16		4.891				VV
26	↓ -6MSD	1	↓	↓	17	↓	5.133				VV
27	Blank	NA	NA	NA	18	NA	NA				-
28	MC23415-1	3	MS29647	TCL	19	50	5.710				VV CF
29	MC23172-7	2	↓	Std+MTBE	20	↓	5.570				VV CF
30	↓ -10	2	↓	↓	21		5.290				VV CF
31	↓ -14	3	↓	↓	22		6.090				VV
32	MC23388-1	3	MS29658	MCP	23		8.640				RR↓IS
33	↓ -3	2	↓	↓	24		7.320				RR↓IS
34	MC23390-1	3	↓	↓	25		6.900				RR↓IS
35	↓ -2	3	↓	↓	26		6.750				VV
36	↓ -3	3	↓	↓	27		5.870				VV
37	↓ -4	3	↓	↓	28		6.040				VV
38	↓ -5	3	↓	↓	29		5.730				RR↓IS
39	↓ -6	4	↓	↓	30	↓	7.020				RR↓IS
✓ 40	Blank	NA	NA	NA	31	NA	NA	↓	↓	↓	-

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

New England ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-MB	F66062.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23272-1, MC23272-3, MC23272-4, MC23272-5, MC23272-6

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	250	11	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	500	13	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	500	14	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	500	81	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1000	120	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	500	62	ug/kg	
95-48-7	2-Methylphenol	ND	500	20	ug/kg	
	3&4-Methylphenol	ND	500	24	ug/kg	
88-75-5	2-Nitrophenol	ND	500	13	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	94	ug/kg	
87-86-5	Pentachlorophenol	ND	500	35	ug/kg	
108-95-2	Phenol	ND	250	14	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	500	12	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	500	12	ug/kg	
83-32-9	Acenaphthene	ND	100	13	ug/kg	
208-96-8	Acenaphthylene	ND	100	10	ug/kg	
98-86-2	Acetophenone	ND	500	11	ug/kg	
120-12-7	Anthracene	ND	100	12	ug/kg	
1912-24-9	Atrazine	ND	500	500	ug/kg	
100-52-7	Benzaldehyde	ND	500	500	ug/kg	
56-55-3	Benzo(a)anthracene	ND	100	13	ug/kg	
50-32-8	Benzo(a)pyrene	ND	100	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	100	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	100	10	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	100	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	500	100	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	250	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	250	10	ug/kg	
105-60-2	Caprolactam	ND	500	500	ug/kg	
91-58-7	2-Chloronaphthalene	ND	250	14	ug/kg	
106-47-8	4-Chloroaniline	ND	500	12	ug/kg	
86-74-8	Carbazole	ND	100	12	ug/kg	
218-01-9	Chrysene	ND	100	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	250	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	250	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	250	18	ug/kg	

Method Blank Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-MB	F66062.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23272-1, MC23272-3, MC23272-4, MC23272-5, MC23272-6

CAS No.	Compound	Result	RL	MDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	ND	250	15	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	500	33	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	500	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	250	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	100	12	ug/kg	
132-64-9	Dibenzofuran	ND	100	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	250	26	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	250	7.8	ug/kg	
84-66-2	Diethyl phthalate	ND	250	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	250	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	250	9.2	ug/kg	
206-44-0	Fluoranthene	ND	100	14	ug/kg	
86-73-7	Fluorene	ND	100	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	250	16	ug/kg	
87-68-3	Hexachlorobutadiene	ND	250	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	500	120	ug/kg	
67-72-1	Hexachloroethane	ND	250	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	100	11	ug/kg	
78-59-1	Isophorone	ND	250	12	ug/kg	
91-57-6	2-Methylnaphthalene	ND	100	13	ug/kg	
88-74-4	2-Nitroaniline	ND	500	12	ug/kg	
99-09-2	3-Nitroaniline	ND	500	27	ug/kg	
100-01-6	4-Nitroaniline	ND	500	12	ug/kg	
91-20-3	Naphthalene	ND	100	16	ug/kg	
98-95-3	Nitrobenzene	ND	250	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	250	14	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	250	15	ug/kg	
85-01-8	Phenanthrene	ND	100	14	ug/kg	
129-00-0	Pyrene	ND	100	12	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	74%	30-130%
4165-62-2	Phenol-d5	77%	30-130%
118-79-6	2,4,6-Tribromophenol	69%	30-130%

Method Blank Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-MB	F66062.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23272-1, MC23272-3, MC23272-4, MC23272-5, MC23272-6

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	81%	30-130%
321-60-8	2-Fluorobiphenyl	78%	30-130%
1718-51-0	Terphenyl-d14	87%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
625-86-5	Furan, 2,5-dimethyl-	2.05	240	ug/kg	JN
	Total TIC, Semi-Volatile		240	ug/kg	J

Blank Spike Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-BS	F66063.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23272-1, MC23272-3, MC23272-4, MC23272-5, MC23272-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	2390	1870	78	30-130
59-50-7	4-Chloro-3-methyl phenol	2390	2290	96	30-130
120-83-2	2,4-Dichlorophenol	2390	2050	86	30-130
105-67-9	2,4-Dimethylphenol	2390	2160	90	30-130
51-28-5	2,4-Dinitrophenol	2390	1740	73	30-130
534-52-1	4,6-Dinitro-o-cresol	2390	2230	93	30-130
95-48-7	2-Methylphenol	2390	2360	99	30-130
	3&4-Methylphenol	4780	4570	96	30-130
88-75-5	2-Nitrophenol	2390	1860	78	30-130
100-02-7	4-Nitrophenol	2390	2640	111	30-130
87-86-5	Pentachlorophenol	2390	1840	77	30-130
108-95-2	Phenol	2390	2270	95	30-130
95-95-4	2,4,5-Trichlorophenol	2390	2170	91	30-130
88-06-2	2,4,6-Trichlorophenol	2390	1940	81	30-130
83-32-9	Acenaphthene	2390	2000	84	40-140
208-96-8	Acenaphthylene	2390	1560	65	40-140
98-86-2	Acetophenone	2390	4160	174* [a]	40-140
120-12-7	Anthracene	2390	2130	89	40-140
1912-24-9	Atrazine	2390	2160	90	40-140
100-52-7	Benzaldehyde	2390	1570	66	40-140
56-55-3	Benzo(a)anthracene	2390	2260	95	40-140
50-32-8	Benzo(a)pyrene	2390	2030	85	40-140
205-99-2	Benzo(b)fluoranthene	2390	2610	109	40-140
191-24-2	Benzo(g,h,i)perylene	2390	2080	87	40-140
207-08-9	Benzo(k)fluoranthene	2390	2010	84	40-140
92-52-4	1,1'-Biphenyl	2390	1840	77	40-140
101-55-3	4-Bromophenyl phenyl ether	2390	2090	87	40-140
85-68-7	Butyl benzyl phthalate	2390	2250	94	40-140
105-60-2	Caprolactam	2390	2180	91	40-140
91-58-7	2-Chloronaphthalene	2390	2190	92	40-140
106-47-8	4-Chloroaniline	2390	1790	75	40-140
86-74-8	Carbazole	2390	2170	91	40-140
218-01-9	Chrysene	2390	2120	89	40-140
111-91-1	bis(2-Chloroethoxy)methane	2390	2690	113	40-140
111-44-4	bis(2-Chloroethyl)ether	2390	1940	81	40-140
108-60-1	bis(2-Chloroisopropyl)ether	2390	2320	97	40-140

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-BS	F66063.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23272-1, MC23272-3, MC23272-4, MC23272-5, MC23272-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
7005-72-3	4-Chlorophenyl phenyl ether	2390	2120	89	40-140
121-14-2	2,4-Dinitrotoluene	2390	2270	95	40-140
606-20-2	2,6-Dinitrotoluene	2390	2050	86	40-140
91-94-1	3,3'-Dichlorobenzidine	2390	2030	85	40-140
53-70-3	Dibenzo(a,h)anthracene	2390	2190	92	40-140
132-64-9	Dibenzofuran	2390	1920	80	40-140
84-74-2	Di-n-butyl phthalate	2390	2220	93	40-140
117-84-0	Di-n-octyl phthalate	2390	2510	105	40-140
84-66-2	Diethyl phthalate	2390	2140	90	40-140
131-11-3	Dimethyl phthalate	2390	2040	85	40-140
117-81-7	bis(2-Ethylhexyl)phthalate	2390	2280	95	40-140
206-44-0	Fluoranthene	2390	2440	102	40-140
86-73-7	Fluorene	2390	2130	89	40-140
118-74-1	Hexachlorobenzene	2390	2000	84	40-140
87-68-3	Hexachlorobutadiene	2390	1900	80	40-140
77-47-4	Hexachlorocyclopentadiene	2390	931	39* [b]	40-140
67-72-1	Hexachloroethane	2390	1860	78	40-140
193-39-5	Indeno(1,2,3-cd)pyrene	2390	2150	90	40-140
78-59-1	Isophorone	2390	1990	83	40-140
91-57-6	2-Methylnaphthalene	2390	1810	76	40-140
88-74-4	2-Nitroaniline	2390	2070	87	40-140
99-09-2	3-Nitroaniline	2390	2000	84	40-140
100-01-6	4-Nitroaniline	2390	2020	85	40-140
91-20-3	Naphthalene	2390	1890	79	40-140
98-95-3	Nitrobenzene	2390	1930	81	40-140
621-64-7	N-Nitroso-di-n-propylamine	2390	2190	92	40-140
86-30-6	N-Nitrosodiphenylamine	2390	5000	209* [a]	40-140
85-01-8	Phenanthrene	2390	2140	90	40-140
129-00-0	Pyrene	2390	2180	91	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	76%	30-130%
4165-62-2	Phenol-d5	80%	30-130%
118-79-6	2,4,6-Tribromophenol	78%	30-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-BS	F66063.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23272-1, MC23272-3, MC23272-4, MC23272-5, MC23272-6

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	84%	30-130%
321-60-8	2-Fluorobiphenyl	81%	30-130%
1718-51-0	Terphenyl-d14	91%	30-130%

(a) Outside control limits. Associated samples are non-detect for this compound.
(b) Outside control limits. Blank Spike meets program technical requirements.

8.2.1

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* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-MS	F66064.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058
OP34292-MSD	F66065.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058
MC23133-1 [a]	F66066.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23272-1, MC23272-3, MC23272-4, MC23272-5, MC23272-6

CAS No.	Compound	MC23133-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		2940	2000	68	1900	65	5	30-130/30
59-50-7	4-Chloro-3-methyl phenol	ND		2940	2580	88	2530	87	2	30-130/30
120-83-2	2,4-Dichlorophenol	ND		2940	2250	76	2010	69	11	30-130/30
105-67-9	2,4-Dimethylphenol	ND		2940	2370	81	2410	83	2	30-130/30
51-28-5	2,4-Dinitrophenol	ND		2940	ND	0* [b]	ND	0* [b]	nc	30-130/30
534-52-1	4,6-Dinitro-o-cresol	ND		2940	1060	36	1030	35	3	30-130/30
95-48-7	2-Methylphenol	ND		2940	2590	88	2600	89	0	30-130/30
	3&4-Methylphenol	ND		5890	4920	84	4770	82	3	30-130/30
88-75-5	2-Nitrophenol	ND		2940	1950	66	1830	63	6	30-130/30
100-02-7	4-Nitrophenol	ND		2940	2880	98	3310	114	14	30-130/30
87-86-5	Pentachlorophenol	ND		2940	1030	35	1070	37	4	30-130/30
108-95-2	Phenol	ND		2940	2350	80	2420	83	3	30-130/30
95-95-4	2,4,5-Trichlorophenol	ND		2940	2300	78	2340	80	2	30-130/30
88-06-2	2,4,6-Trichlorophenol	ND		2940	2030	69	2030	70	0	30-130/30
83-32-9	Acenaphthene	1310		2940	3380	70	3420	72	1	40-140/30
208-96-8	Acenaphthylene	232	J	2940	1850	55	1890	57	2	40-140/30
98-86-2	Acetophenone	ND		2940	4310	146* [c]	4180	143* [c]	3	40-140/30
120-12-7	Anthracene	1710		2940	3980	77	4080	81	2	40-140/30
1912-24-9	Atrazine	ND		2940	ND	0* [b]	ND	0* [b]	nc	40-140/30
100-52-7	Benzaldehyde	ND		2940	ND	0* [b]	ND	0* [b]	nc	40-140/30
56-55-3	Benzo(a)anthracene	2260		2940	5270	102	5280	104	0	40-140/30
50-32-8	Benzo(a)pyrene	1950		2940	4650	92	4480	87	4	40-140/30
205-99-2	Benzo(b)fluoranthene	1750		2940	4700	100	4960	110	5	40-140/30
191-24-2	Benzo(g,h,i)perylene	1210		2940	3950	93	3950	94	0	40-140/30
207-08-9	Benzo(k)fluoranthene	1520		2940	4260	93	3740	76	13	40-140/30
92-52-4	1,1'-Biphenyl	ND		2940	2150	73	2180	75	1	40-140/30
101-55-3	4-Bromophenyl phenyl ether	ND		2940	2160	73	2180	75	1	40-140/30
85-68-7	Butyl benzyl phthalate	ND		2940	2410	82	2520	86	4	40-140/30
105-60-2	Caprolactam	ND		2940	ND	0* [b]	ND	0* [b]	nc	40-140/30
91-58-7	2-Chloronaphthalene	ND		2940	2380	81	2380	82	0	40-140/30
106-47-8	4-Chloroaniline	ND		2940	1710	58	1670	57	2	40-140/30
86-74-8	Carbazole	734		2940	3140	82	3220	85	3	40-140/30
218-01-9	Chrysene	2380		2940	5190	95	5090	93	2	40-140/30
111-91-1	bis(2-Chloroethoxy)methane	ND		2940	2840	97	2640	91	7	40-140/30
111-44-4	bis(2-Chloroethyl)ether	ND		2940	2010	68	1930	66	4	40-140/30
108-60-1	bis(2-Chloroisopropyl)ether	ND		2940	2440	83	2390	82	2	40-140/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-MS	F66064.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058
OP34292-MSD	F66065.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058
MC23133-1 [a]	F66066.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23272-1, MC23272-3, MC23272-4, MC23272-5, MC23272-6

CAS No.	Compound	MC23133-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
7005-72-3	4-Chlorophenyl phenyl ether	ND		2940	2260	77	2260	78	0	40-140/30
121-14-2	2,4-Dinitrotoluene	ND		2940	2430	83	2460	84	1	40-140/30
606-20-2	2,6-Dinitrotoluene	ND		2940	2110	72	2120	73	0	40-140/30
91-94-1	3,3'-Dichlorobenzidine	ND		2940	2170	74	2290	79	5	40-140/30
53-70-3	Dibenzo(a,h)anthracene	402	J	2940	3050	90	3090	92	1	40-140/30
132-64-9	Dibenzofuran	948		2940	3020	70	3050	72	1	40-140/30
84-74-2	Di-n-butyl phthalate	ND		2940	2450	83	2510	86	2	40-140/30
117-84-0	Di-n-octyl phthalate	ND		2940	3020	103	3160	108	5	40-140/30
84-66-2	Diethyl phthalate	ND		2940	2330	79	2390	82	3	40-140/30
131-11-3	Dimethyl phthalate	ND		2940	2160	73	2220	76	3	40-140/30
117-81-7	bis(2-Ethylhexyl)phthalate	ND		2940	2650	90	2700	93	2	40-140/30
206-44-0	Fluoranthene	6990		2940	11600	157* [d]	11300	148* [d]	3	40-140/30
86-73-7	Fluorene	1440		2940	3510	70	3680	77	5	40-140/30
118-74-1	Hexachlorobenzene	ND		2940	2070	70	2100	72	1	40-140/30
87-68-3	Hexachlorobutadiene	ND		2940	2020	69	1940	67	4	40-140/30
77-47-4	Hexachlorocyclopentadiene	ND		2940	ND	0* [e]	ND	0* [e]	nc	40-140/30
67-72-1	Hexachloroethane	ND		2940	1900	65	1820	62	4	40-140/30
193-39-5	Indeno(1,2,3-cd)pyrene	1120		2940	3720	88	3720	89	0	40-140/30
78-59-1	Isophorone	ND		2940	2100	71	2020	69	4	40-140/30
91-57-6	2-Methylnaphthalene	823		2940	2670	63	2580	60	3	40-140/30
88-74-4	2-Nitroaniline	ND		2940	2110	72	2150	74	2	40-140/30
99-09-2	3-Nitroaniline	ND		2940	2070	70	2090	72	1	40-140/30
100-01-6	4-Nitroaniline	ND		2940	2110	72	2220	76	5	40-140/30
91-20-3	Naphthalene	4750		2940	5200	15* [b]	5690	32* [b]	9	40-140/30
98-95-3	Nitrobenzene	ND		2940	2180	74	2000	69	9	40-140/30
621-64-7	N-Nitroso-di-n-propylamine	ND		2940	2290	78	2190	75	4	40-140/30
86-30-6	N-Nitrosodiphenylamine	ND		2940	5400	184* [c]	5360	184* [c]	1	40-140/30
85-01-8	Phenanthrene	6440		2940	9280	97	9790	115	5	40-140/30
129-00-0	Pyrene	5070		2940	8590	120	8760	127	2	40-140/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23133-1	Limits
367-12-4	2-Fluorophenol	61%	62%	69%	30-130%
4165-62-2	Phenol-d5	68%	68%	77%	30-130%
118-79-6	2,4,6-Tribromophenol	59%	60%	52%	30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-MS	F66064.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058
OP34292-MSD	F66065.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058
MC23133-1 [a]	F66066.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23272-1, MC23272-3, MC23272-4, MC23272-5, MC23272-6

CAS No.	Surrogate Recoveries	MS	MSD	MC23133-1	Limits
4165-60-0	Nitrobenzene-d5	76%	69%	78%	30-130%
321-60-8	2-Fluorobiphenyl	73%	72%	77%	30-130%
1718-51-0	Terphenyl-d14	78%	80%	83%	30-130%

(a) Elevated RL due to dilution required for matrix interference.
(b) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(c) Outside control limits. Associated samples are non-detect for this compound.
(d) Outside control limits due to high level in sample relative to spike amount.
(e) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSF3031-DFTPP
Lab File ID: F65348.D
Instrument ID: GCMSF
Injection Date: 07/01/13
Injection Time: 15:51

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	13986	31.1		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	17861	39.7		Pass
70	Less than 2.0% of mass 69	53	0.12	(0.30) [a]	Pass
127	40.0 - 60.0% of mass 198	18917	42.0		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	45035	100.0		Pass
199	5.0 - 9.0% of mass 198	3179	7.06		Pass
275	10.0 - 30.0% of mass 198	13412	29.8		Pass
365	1.0 - 100.0% of mass 198	1528	3.39		Pass
441	Present, but less than mass 443	6771	15.0	(84.1) [b]	Pass
442	40.0 - 100.0% of mass 198	40365	89.6		Pass
443	17.0 - 23.0% of mass 442	8054	17.9	(20.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSF3031-ICC3031	F65349.D	07/01/13	16:12	00:21	Initial cal 50
MSF3031-IC3031	F65350.D	07/01/13	16:36	00:45	Initial cal 2
MSF3031-IC3031	F65351.D	07/01/13	17:00	01:09	Initial cal 5
MSF3031-IC3031	F65352.D	07/01/13	17:24	01:33	Initial cal 10
MSF3031-IC3031	F65353.D	07/01/13	17:48	01:57	Initial cal 20
MSF3031-IC3031	F65354.D	07/01/13	18:12	02:21	Initial cal 80
MSF3031-IC3031	F65355.D	07/01/13	18:36	02:45	Initial cal 120
MSF3031-IC3031	F65356.D	07/01/13	19:00	03:09	Initial cal 160
MSF3031-IC3031	F65358.D	07/01/13	19:47	03:56	Initial cal 5
MSF3031-IC3031	F65359.D	07/01/13	20:11	04:20	Initial cal 10
MSF3031-IC3031	F65360.D	07/01/13	20:35	04:44	Initial cal 20
MSF3031-IC3031	F65361.D	07/01/13	20:58	05:07	Initial cal 50
MSF3031-IC3031	F65362.D	07/01/13	21:22	05:31	Initial cal 80
MSF3031-IC3031	F65363.D	07/01/13	21:45	05:54	Initial cal 120
MSF3031-IC3031	F65364.D	07/01/13	22:09	06:18	Initial cal 160
MSF3031-ICV3031	F65365.D	07/01/13	22:33	06:42	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSF3058-DFTPP
Lab File ID: F66059.D
Instrument ID: GCMSF
Injection Date: 08/09/13
Injection Time: 09:09

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	37967	33.3		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	50267	44.1		Pass
70	Less than 2.0% of mass 69	284	0.25	(0.56) [a]	Pass
127	40.0 - 60.0% of mass 198	51191	44.9		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	114099	100.0		Pass
199	5.0 - 9.0% of mass 198	7945	6.96		Pass
275	10.0 - 30.0% of mass 198	32989	28.9		Pass
365	1.0 - 100.0% of mass 198	4088	3.58		Pass
441	Present, but less than mass 443	15084	13.2	(85.2) [b]	Pass
442	40.0 - 100.0% of mass 198	90768	79.6		Pass
443	17.0 - 23.0% of mass 442	17700	15.5	(19.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSF3058-CC3031	F66060.D	08/09/13	09:32	00:23	Continuing cal 80
MSF3058-CC3031	F66061.D	08/09/13	09:56	00:47	Continuing cal 50
OP34292-MB	F66062.D	08/09/13	10:20	01:11	Method Blank
OP34292-BS	F66063.D	08/09/13	10:44	01:35	Blank Spike
OP34292-MS	F66064.D	08/09/13	11:08	01:59	Matrix Spike
OP34292-MSD	F66065.D	08/09/13	11:31	02:22	Matrix Spike Duplicate
MC23133-1	F66066.D	08/09/13	11:55	02:46	(used for QC only; not part of job MC23272)
OP34276-MB	F66067.D	08/09/13	12:19	03:10	Method Blank
OP34276-BS	F66068.D	08/09/13	12:43	03:34	Blank Spike
ZZZZZZ	F66069.D	08/09/13	13:07	03:58	(unrelated sample)
ZZZZZZ	F66073.D	08/09/13	14:42	05:33	(unrelated sample)
ZZZZZZ	F66074.D	08/09/13	15:05	05:56	(unrelated sample)
ZZZZZZ	F66075.D	08/09/13	15:29	06:20	(unrelated sample)
ZZZZZZ	F66076.D	08/09/13	15:53	06:44	(unrelated sample)
ZZZZZZ	F66077.D	08/09/13	16:17	07:08	(unrelated sample)
ZZZZZZ	F66078.D	08/09/13	16:41	07:32	(unrelated sample)
ZZZZZZ	F66079.D	08/09/13	17:04	07:55	(unrelated sample)
ZZZZZZ	F66080.D	08/09/13	17:28	08:19	(unrelated sample)
MC23272-1	F66081.D	08/09/13	17:52	08:43	SB-234/7'

Instrument Performance Check (DFTPP)

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample:	MSF3058-DFTPP	**Injection Date:**	08/09/13
Lab File ID:	F66059.D	**Injection Time:**	09:09
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MC23272-3	F66082.D	08/09/13	18:16	09:07	SB-241/0.5-2'
MC23272-4	F66083.D	08/09/13	18:40	09:31	SB-223/1'
MC23272-5	F66084.D	08/09/13	19:04	09:55	SB-247/6'
MC23272-6	F66085.D	08/09/13	19:28	10:19	SB-248/7.5'
ZZZZZZ	F66086.D	08/09/13	19:52	10:43	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std: MSF3058-CC3031 **Injection Date:** 08/09/13
Lab File ID: F66060.D **Injection Time:** 09:32
Instrument ID: GCMSF **Method:** SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	74126	4.23	279335	5.36	176950	7.00	325182	8.46	373506	11.26	333515	12.78
Upper Limit [a]	148252	4.73	558670	5.86	353900	7.50	650364	8.96	747012	11.76	667030	13.28
Lower Limit [b]	37063	3.73	139668	4.86	88475	6.50	162591	7.96	186753	10.76	166758	12.28
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
OP34292-MB	73053	4.23	275322	5.36	175770	7.00	315300	8.46	339931	11.25	311151	12.77
OP34292-BS	75478	4.23	281250	5.36	180285	7.00	328279	8.46	355784	11.26	317054	12.78
OP34292-MS	76846	4.23	280177	5.36	175869	7.00	319428	8.46	352388	11.26	333281	12.78
OP34292-MSD	74807	4.23	286251	5.36	176073	7.00	320636	8.46	350502	11.26	339862	12.78
MC23133-1	72521	4.23	273048	5.36	170409	7.00	304546	8.46	343876	11.26	345945	12.78
OP34276-MB	86371	4.23	328434	5.36	209089	7.00	391767	8.46	437628	11.26	427329	12.78
OP34276-BS	83806	4.23	315236	5.36	199411	7.00	373852	8.46	412010	11.26	394293	12.78
ZZZZZZ	81771	4.23	316834	5.36	202426	7.00	364481	8.46	404993	11.26	404901	12.78
ZZZZZZ	72496	4.23	278873	5.36	172477	7.00	316408	8.46	349937	11.26	358766	12.78
ZZZZZZ	84116	4.23	321634	5.36	205094	7.00	365950	8.46	411560	11.26	412586	12.78
ZZZZZZ	69432	4.23	260652	5.36	167657	7.00	311657	8.46	339357	11.26	352308	12.78
ZZZZZZ	73492	4.23	273532	5.36	172844	7.00	330162	8.46	378898	11.26	403273	12.79
ZZZZZZ	70267	4.23	263215	5.36	160388	7.00	288992	8.46	357225	11.26	380648	12.79
ZZZZZZ	70279	4.23	269581	5.36	156160	7.00	267840	8.46	316243	11.26	338816	12.78
ZZZZZZ	70469	4.23	260144	5.36	153293	7.00	269104	8.46	322263	11.26	344050	12.78
ZZZZZZ	74633	4.23	274819	5.36	168148	7.00	290047	8.46	319878	11.26	352616	12.78
MC23272-1	66736	4.23	245877	5.36	150695	7.00	275224	8.46	325523	11.26	349797	12.78
MC23272-3	70608	4.23	264796	5.36	162680	7.00	285747	8.46	341960	11.26	370002	12.79
MC23272-4	78045	4.23	287827	5.36	182440	7.00	324211	8.46	361085	11.26	372559	12.78
MC23272-5	77516	4.23	290146	5.36	177298	7.00	310323	8.46	341110	11.26	361327	12.78
MC23272-6 [c]	77332	4.23	290501	5.36	175334	7.00	308690	8.46	423816	11.27	455000	12.80
ZZZZZZ	72429	4.23	265920	5.36	161304	7.00	279387	8.46	331810	11.26	342672	12.79

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Elevated RL due to dilution required for matrix interference.

Semivolatile Surrogate Recovery Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Method: SW846 8270C **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC23272-1	F66081.D	65.0	67.0	61.0	73.0	70.0	74.0
MC23272-3	F66082.D	52.0	58.0	51.0	66.0	67.0	73.0
MC23272-4	F66083.D	59.0	62.0	63.0	73.0	75.0	85.0
MC23272-5	F66084.D	71.0	73.0	69.0	79.0	78.0	85.0
MC23272-6	F66085.D	65.0	69.0	61.0	72.0	74.0	68.0
OP34292-BS	F66063.D	76.0	80.0	78.0	84.0	81.0	91.0
OP34292-MB	F66062.D	74.0	77.0	69.0	81.0	78.0	87.0
OP34292-MS	F66064.D	61.0	68.0	59.0	76.0	73.0	78.0
OP34292-MSD	F66065.D	62.0	68.0	60.0	69.0	72.0	80.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	30-130%
S2 = Phenol-d5	30-130%
S3 = 2,4,6-Tribromophenol	30-130%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

Initial Calibration Summary

Job Number: MC23272 **Sample:** MSF3031-ICC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F65349.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report MSF

Method : W:\1\methods\F130701_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Calibration Files
160 =F65364.D 120 =F65363.D 80 =F65362.D 20 =F65360.D
5 =F65358.D 2 =F65350.D 10 =F65359.D 50 =F65361.D

Compound	160	120	80	20	5	2	10	50	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) N-nitrosodim	0.821	0.774	0.760	0.793	0.754		0.761	0.783	0.778	3.01
3) Pyridine	1.457	1.385	1.380	1.413	1.347		1.388	1.414	1.398	2.46
4) Aniline	1.834	1.734	1.717	1.784	1.693	1.820	1.767	1.785	1.767	2.79
5) 2-Fluorophen	1.186	1.165	1.145	1.164	1.169	1.156	1.151	1.194	1.166	1.44
6) bis(2-Chloro	0.833	0.803	0.799	0.805	0.790	0.819	0.800	0.821	0.809	1.75
7) Phenol-d5	1.520	1.462	1.460	1.508	1.484	1.513	1.424	1.502	1.484	2.24
8) Phenol	1.575	1.505	1.480	1.536	1.458	1.461	1.480	1.522	1.502	2.70
9) 2-Chlorophen	1.315	1.252	1.225	1.250	1.175	1.243	1.226	1.269	1.244	3.22
10) 1,3-Dichloro	1.506	1.445	1.425	1.452	1.440	1.427	1.462	1.460	1.452	1.77
11) 1,4-Dichloro	1.587	1.527	1.512	1.551	1.589	1.562	1.515	1.537	1.548	1.94
12) 1,2-Dichloro	1.436	1.382	1.371	1.401	1.416	1.395	1.338	1.395	1.392	2.12
13) Benzyl alcoh	0.840	0.811	0.805	0.816	0.776		0.776	0.821	0.806	2.91
14) bis(2-chloro	1.010	0.978	0.973	1.014	1.020	1.037	0.990	1.003	1.003	2.16
15) o-cresol	1.138	1.083	1.082	1.113	1.050	1.099	1.064	1.117	1.093	2.66
16) Acetophenone	1.840	1.773	1.793	1.779	1.835	1.809	1.765	1.796	1.799	1.54
17) Hexachloroet	0.571	0.546	0.537	0.556	0.567	0.481	0.536	0.544	0.542	5.13
18) N-Nitroso-di	0.919	0.896	0.897	0.910	0.880	0.899	0.858	0.908	0.896	2.15
19) m+p-cresols	1.248	1.204	1.193	1.197	1.187	1.190	1.186	1.212	1.202	1.69
20) 4-methylphen	1.248	1.204	1.193	1.197	1.187	1.190	1.186	1.212	1.202	1.69
21) I 1,4-Dichlorobenzene-d	ISTD									
22) Benzaldehyde	0.822	1.014	0.994	0.982		0.996	1.044	0.975	8.03	
23) I Naphthalene-d8	ISTD									
24) Nitrobenzene	0.389	0.386	0.375	0.378	0.366	0.349	0.363	0.387	0.374	3.79
25) Nitrobenzene	0.391	0.385	0.368	0.385	0.378	0.359	0.371	0.385	0.378	2.88
26) Isophorone	0.650	0.632	0.625	0.637	0.605	0.593	0.616	0.647	0.626	3.17
27) 2-Nitropheno	0.203	0.199	0.191	0.190	0.179		0.178	0.192	0.190	4.89
28) 2,4-Dimethyl	0.372	0.362	0.353	0.364	0.340		0.348	0.360	0.357	3.01
29) bis(2-Chloro	0.384	0.378	0.370	0.371	0.362		0.355	0.383	0.372	2.90
30) Benzoic acid	0.302	0.288	0.276	0.249			0.217	0.279	0.269	11.44
31) 2,4-Dichloro	0.331	0.317	0.307	0.312	0.303		0.295	0.318	0.312	3.77
32) 1,2,4-Trichl	0.366	0.369	0.348	0.364	0.353	0.354	0.347	0.364	0.358	2.45
33) Naphthalene	1.025	0.995	0.967	1.024	0.982	0.940	0.990	0.992	0.989	2.80
34) 2,6-Dichloro	0.324	0.317	0.306	0.314	0.300		0.302	0.311	0.311	2.76
35) 4-Chloroanil	0.451	0.435	0.422	0.429	0.409		0.415	0.427	0.427	3.19
36) Hexachlorobu	0.242	0.239	0.231	0.236	0.227	0.240	0.225	0.235	0.234	2.70
37) 4-Chloro-3-m	0.321	0.313	0.310	0.309	0.292		0.295	0.311	0.308	3.31
38) 2-Methylnaph	0.705	0.690	0.666	0.695	0.692	0.671	0.672	0.685	0.685	1.97
39) 1-Methylnaph	0.675	0.671	0.638	0.679	0.656	0.665	0.661	0.667	0.664	1.91
40) 1,2,4,5-Tetr	0.419	0.417	0.409	0.425	0.417	0.413	0.420	0.413	0.417	1.18
41) I Naphthalene-d8a	ISTD									
42) Caprolactam	0.129	0.128	0.125	0.121	0.109		0.117	0.126	0.122	5.90

Initial Calibration Summary

Job Number: MC23272 **Sample:** MSF3031-ICC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F65349.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

43)	I Acenaphthene-d10	----------ISTD----------									
44)	Pentachloron	0.184	0.180	0.183	0.176		0.170	0.179	0.179	2.87	
45)	Hexachlorocy	0.483	0.470	0.451	0.406	0.366	0.380	0.436	0.428	10.43	
46)	2,4,6-Trichl	0.441	0.427	0.426	0.420	0.390	0.390	0.409	0.415	4.69	
47)	2,4,5-Trichl	0.466	0.453	0.449	0.439	0.426	0.407	0.445	0.441	4.37	
48)	2-Fluorobiph	1.365	1.362	1.343	1.353	1.354	1.323	1.325	1.345	1.346	1.15
49)	2-Chloronaph	1.126	1.103	1.106	1.102	1.078	1.022	1.056	1.096	1.086	3.07
50)	Acenaphthyle	1.791	1.746	1.748	1.730	1.675	1.651	1.690	1.750	1.723	2.70
51)	Dimethylphth	1.304	1.283	1.269	1.287	1.275	1.247	1.252	1.279	1.274	1.46
52)	2,4-Dinitrot	0.396	0.378	0.385	0.369	0.324	0.339	0.379	0.367	7.07	
53)	Acenaphthene	1.121	1.095	1.095	1.118	1.071	1.077	1.058	1.085	1.090	2.02
54)	2,4-Dinitrop	0.228	0.216	0.210	0.167		0.201	0.205	11.24		
55)	Dibenzofuran	1.656	1.616	1.652	1.655	1.628	1.611	1.616	1.643	1.635	1.18
56)	2,6-Dinitrot	0.312	0.302	0.298	0.285	0.253	0.265	0.294	0.287	7.31	
57)	4-Nitropheno	0.249	0.238	0.242	0.235		0.215	0.232	0.235	4.82	
58)	2,3,4,6-Tetr	0.418	0.404	0.401	0.387	0.354	0.368	0.396	0.390	5.66	
59)	Fluorene	1.331	1.272	1.294	1.278	1.236	1.207	1.219	1.284	1.265	3.26
60)	4-Chlorophen	0.731	0.706	0.716	0.703	0.701	0.669	0.671	0.710	0.701	3.05
61)	Diethylphtha	1.240	1.206	1.219	1.240	1.291	1.353	1.222	1.238	1.251	3.85
62)	2-nitroanili	0.381	0.361	0.361	0.345	0.308	0.322	0.357	0.348	7.19	
63)	3-nitroanili	0.313	0.299	0.303	0.297		0.267	0.301	0.297	5.25	
64)	4-nitroanili	0.314	0.293	0.305	0.300		0.273	0.303	0.298	4.73	
65)	Acenaphthene-d10a	----------ISTD----------									
66)	1,1'-Bipheny	1.408	1.406	1.399	1.348	1.349	1.379	1.396	1.384	1.85	
67)	I Phenanthrene-d10	----------ISTD----------									
68)	4,6-Dinitro-	0.168	0.161	0.155	0.137		0.114	0.153	0.148	13.16	
69)	n-Nitrosodip	0.534	0.530	0.507	0.510	0.474	0.470	0.497	0.508	0.504	4.59
70)	1,2-Diphenyl	0.661	0.658	0.641	0.647	0.612	0.607	0.640	0.655	0.640	3.20
71)	2,4,6-Tribro	0.139	0.139	0.130	0.123	0.116	0.119	0.132	0.128	7.19	
72)	4-Bromopheny	0.259	0.254	0.246	0.241	0.232	0.240	0.240	0.248	0.245	3.46
73)	Hexachlorobe	0.265	0.265	0.257	0.254	0.244	0.236	0.248	0.258	0.253	3.99
74)	Pentachlorop	0.200	0.190	0.186	0.170		0.159	0.185	0.181	8.09	
75)	Phenanthrene	1.060	1.032	1.025	1.055	1.003	1.032	1.035	1.033	1.034	1.71
76)	Anthracene	1.112	1.111	1.088	1.097	1.028	1.003	1.058	1.096	1.074	3.78
77)	Carbazole	0.986	0.959	0.955	0.960	0.906	0.861	0.922	0.955	0.938	4.22
78)	Di-n-butylph	1.130	1.133	1.123	1.097	1.031	1.050	1.135	1.100	3.89	
79)	Fluoranthene	1.097	1.093	1.094	1.104	1.055	0.991	1.072	1.096	1.075	3.50
80)	I Phenanthrene-d10a	----------ISTD----------									
81)	Atrazine	0.227	0.224	0.219	0.188		0.207	0.225	0.215	6.97	
82)	I Chrysene-d12	----------ISTD----------									
83)	Benzidine	0.408	0.418	0.349			0.373	0.416	0.393	7.83	
84)	Pyrene	1.107	1.148	1.104	1.131	1.070	1.017	1.099	1.106	1.098	3.62
85)	Terphenyl-d1	0.841	0.891	0.847	0.876	0.820	0.836	0.842	0.843	0.849	2.70
86)	3,3-Dimethyl	0.580	0.602	0.518			0.558	0.600	0.572	6.09	
87)	Butylbenzylp	0.434	0.441	0.419	0.412	0.363	0.378	0.415	0.409	7.00	
88)	3,3'-Dichlor	0.456	0.453	0.441	0.407	0.339	0.373	0.434	0.415	10.71	
89)	Benzo[a]anth	1.050	1.070	1.034	1.044	0.991	0.991	1.013	1.041	1.029	2.76
90)	Chrysene	1.013	1.013	1.004	1.045	1.009	0.981	0.992	0.994	1.006	1.92
91)	bis(2-Ethylh	0.611	0.624	0.596	0.546	0.438	0.499	0.603	0.560	12.32	
92)	I Perylene-d12	----------ISTD----------									
93)	Di-n-octylph	1.001	1.027	0.969	0.828	0.624	0.731	1.008	0.884	17.93	
	---- Linear regression ---- Coefficient = 0.9964										
	Response Ratio = -0.05271 + 1.00371 *A										
94)	Benzo[b]fluo	1.190	1.263	1.147	1.095	0.942	0.933	1.003	1.115	1.086	10.89

8.7.1

8

Initial Calibration Summary

Job Number: MC23272 **Sample:** MSF3031-ICC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F65349.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
 95) Benzo[k]fluo 1.156 1.090 1.158 1.246 1.141 1.110 1.182 1.180 1.158   4.13
 96) Benzo[a]pyre 1.107 1.089 1.071 1.077 0.919 0.799 0.937 1.062 1.007  10.93
 97) Indeno[1,2,3 1.515 1.453 1.338 1.251 1.066 0.997 1.143 1.282 1.256  14.40
 98) Dibenz[a,h]a       1.158 1.075 1.009 0.821 0.783 0.906 1.032 0.969  14.16
 99) Benzo[g,h,i] 1.254 1.206 1.113 1.088 0.939 0.863 0.985 1.084 1.066  12.37

100)     Naphthalene-d8b       ----------------ISTD---------------------
101) o-Toluic Aci 0.230 0.228 0.216 0.187 0.121       0.147 0.211 0.191  22.04
             ---- Linear regression ----  Coefficient =  0.9964
               Response Ratio = -0.01424 + 0.22380 *A

102) m-Toluic Aci 0.312 0.289 0.279 0.226 0.143       0.178 0.251 0.240  25.63
             ---- Quadratic regression ----  Coefficient =  0.9990
               Response Ratio = -0.01262 + 0.23658 *A + 0.02004 *A^2

103) p-Toluic Aci 0.298 0.301 0.306 0.323 0.292       0.335 0.295 0.307   5.22
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           F130701_8270+.m        Thu Jul 11 12:07:39 2013
```

8.7.1

8

Initial Calibration Verification

Job Number: MC23272 **Sample:** MSF3031-ICV3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F65365.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : F:\1\DATA\F130701\F65365.D Vial: 15
Acq On : 1 Jul 2013 10:33 pm Operator: kristinr
Sample : ICV3031-50 Inst : MSF
Misc : OP33788,MSF3031,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\met...\F130701_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Wed Jul 10 07:01:30 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	143	0.00	4.42
2		N-nitrosodimethylamine	0.778	0.761	2.2	139	0.01	2.46
3	T	Pyridine	1.398	1.332	4.7	135	0.01	2.47
4	T	Aniline	1.767	1.442	18.4	116	0.00	4.18
5	S	2-Fluorophenol	1.166	1.173	-0.6	141	0.00	3.41
6	T	bis(2-Chloroethyl)ether	0.809	0.784	3.1	137	0.00	4.22
7	S	Phenol-d5	1.484	1.462	1.5	139	0.00	4.14
8	C	Phenol	1.502	1.516	-0.9	143	0.00	4.14
9	M	2-Chlorophenol	1.244	1.247	-0.2	141	0.00	4.27
10	T	1,3-Dichlorobenzene	1.452	1.414	2.6	139	0.00	4.40
11	C	1,4-Dichlorobenzene	1.548	1.482	4.3	138	0.00	4.44
12	T	1,2-Dichlorobenzene	1.392	1.364	2.0	140	0.00	4.60
13	T	Benzyl alcohol	0.806	0.774	4.0	135	0.00	4.55
14	T	bis(2-chloroisopropyl)eth	1.003	1.157	-15.4	165	0.00	4.68
15	T	o-cresol	1.093	1.102	-0.8	141	0.00	4.65
16	T	Acetophenone	1.799	1.724	4.2	137	0.00	4.79
17	T	Hexachloroethane	0.542	0.538	0.7	142	0.00	4.87
18	P	N-Nitroso-di-n-propylamin	0.896	0.934	-4.2	147	0.00	4.81
19	T	m+p-cresols	1.202	1.201	0.1	142	0.00	4.78
20		4-methylphenol	1.202	1.201	0.1	142	0.00	4.78
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	62	0.00	4.42
22		Benzaldehyde	0.975	0.723	25.8#	43#	0.00	4.07
23	I	Naphthalene-d8	1.000	1.000	0.0	144	0.00	5.55
24	S	Nitrobenzene-d5	0.374	0.380	-1.6	142	0.00	4.92
25	T	Nitrobenzene	0.378	0.363	4.0	136	0.00	4.94
26	T	Isophorone	0.626	0.614	1.9	137	0.00	5.14
27	C	2-Nitrophenol	0.190	0.193	-1.6	145	0.00	5.22
28	T	2,4-Dimethylphenol	0.357	0.365	-2.2	146	0.00	5.25
29	T	bis(2-Chloroethoxy)methan	0.372	0.380	-2.2	143	0.00	5.34
30	T	Benzoic acid	0.269	0.319	-18.6	165	0.01	5.35
31	C	2,4-Dichlorophenol	0.312	0.317	-1.6	144	0.00	5.44
32	M	1,2,4-Trichlorobenzene	0.358	0.364	-1.7	144	0.00	5.52
33	T	Naphthalene	0.989	0.990	-0.1	144	0.00	5.58
34	T	2,6-Dichlorophenol	0.311	0.311	0.0	144	0.00	5.65
35	T	4-Chloroaniline	0.427	0.341	20.1#	116	0.00	5.64
36	C	Hexachlorobutadiene	0.234	0.237	-1.3	146	0.00	5.74
37	C	4-Chloro-3-methylphenol	0.308	0.320	-3.9	149	0.00	6.08
38	T	2-Methylnaphthalene	0.685	0.658	3.9	139	0.00	6.21
39	T	1-Methylnaphthalene	0.664	0.639	3.8	138	0.00	6.31
40	T	1,2,4,5-Tetrachlorobenzen	0.417	0.398	4.6	139	0.00	6.40

Initial Calibration Verification

Job Number: MC23272 **Sample:** MSF3031-ICV3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F65365.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

41	I	Naphthalene-d8a	1.000	1.000	0.0	63	0.00	5.55
42		Caprolactam	0.122	0.121	0.8	60	-0.07	5.93
43	I	Acenaphthene-d10	1.000	1.000	0.0	151	0.00	7.20
44	T	Pentachloronitrobenzene	0.179	0.175	2.2	147	0.00	8.64
45	P	Hexachlorocyclopentadiene	0.428	0.208	51.4#	72	0.00	6.42
46	C	2,4,6-Trichlorophenol	0.415	0.412	0.7	152	0.00	6.49
47	T	2,4,5-Trichlorophenol	0.441	0.448	-1.6	152	0.00	6.53
48	S	2-Fluorobiphenyl	1.346	1.356	-0.7	152	0.00	6.56
49	T	2-Chloronaphthalene	1.086	1.100	-1.3	151	0.00	6.66
50	M	Acenaphthylene	1.723	1.721	0.1	148	0.00	7.06
51	T	Dimethylphthalate	1.274	1.243	2.4	146	0.00	6.98
52	T	2,4-Dinitrotoluene	0.367	0.396	-7.9	157	0.00	7.42
53	C	Acenaphthene	1.090	1.100	-0.9	153	0.00	7.23
54	P	2,4-Dinitrophenol	0.205	0.213	-3.9	159	0.00	7.27
55	T	Dibenzofuran	1.635	1.545	5.5	142	0.00	7.39
56	M	2,6-Dinitrotoluene	0.287	0.289	-0.7	148	0.00	7.05
57	P	4-Nitrophenol	0.235	0.240	-2.1	156	0.00	7.33
58	T	2,3,4,6-Tetrachlorophenol	0.390	0.404	-3.6	153	0.00	7.54
59	T	Fluorene	1.265	1.320	-4.3	155	0.00	7.72
60	T	4-Chlorophenyl-phenylethe	0.701	0.715	-2.0	152	0.00	7.71
61	T	Diethylphthalate	1.251	1.263	-1.0	154	0.00	7.66
62	T	2-nitroaniline	0.348	0.355	-2.0	150	0.00	6.79
63	T	3-nitroaniline	0.297	0.232	21.9#	116	0.00	7.17
64	T	4-nitroaniline	0.298	0.280	6.0	139	0.00	7.78
65		Acenaphthene-d10a	1.000	1.000	0.0	66	0.00	7.20
66		1,1'-Biphenyl	1.384	1.300	6.1	61	0.00	6.65
67	I	Phenanthrene-d10	1.000	1.000	0.0	158	0.00	8.68
68	T	4,6-Dinitro-2-methylpheno	0.148	0.161	-8.8	165	0.00	7.81
69	C	n-Nitrosodiphenylamine	0.504	0.462	8.3	144	0.00	7.84
70	T	1,2-Diphenylhydrazine	0.640	0.604	5.6	145	0.00	7.87
71	S	2,4,6-Tribromophenol	0.128	0.127	0.8	153	0.00	7.98
72	T	4-Bromophenyl-phenylether	0.245	0.232	5.3	148	0.00	8.21
73	T	Hexachlorobenzene	0.253	0.252	0.4	154	0.00	8.37
74	C	Pentachlorophenol	0.181	0.185	-2.2	158	0.00	8.55
75	T	Phenanthrene	1.034	1.035	-0.1	158	0.00	8.71
76	T	Anthracene	1.074	1.015	5.5	146	0.00	8.75
77	T	Carbazole	0.938	0.920	1.9	152	0.00	8.93
78	T	Di-n-butylphthalate	1.100	1.090	0.9	152	0.00	9.37
79	C	Fluoranthene	1.075	1.145	-6.5	165	0.00	9.97
80	I	Phenanthrene-d10a	1.000	1.000	0.0	65	0.00	8.68
81		Atrazine	0.215	0.216	-0.5	62	-0.01	8.41
82	I	Chrysene-d12	1.000	1.000	0.0	159	0.00	11.48
83	T	Benzidine	0.393	0.297	24.4#	113	0.00	10.10
84	M	Pyrene	1.098	1.074	2.2	154	0.00	10.19
85	S	Terphenyl-d14	0.849	0.863	-1.6	162	0.00	10.36
86		3,3-Dimethylbenzidine		----------NA----------				
87	T	Butylbenzylphthalate	0.409	0.429	-4.9	164	0.00	10.91
88	T	3,3'-Dichlorobenzidine	0.415	0.352	15.2	129	0.00	11.45
89	T	Benzo[a]anthracene	1.029	1.084	-5.3	165	0.00	11.46
90	T	Chrysene	1.006	1.009	-0.3	161	0.00	11.50
91	T	bis(2-Ethylhexyl)phthalat	0.560	0.618	-10.4	163	0.00	11.58
92	I	Perylene-d12	1.000	1.000	0.0	162	0.00	13.01

Initial Calibration Verification

Job Number: MC23272 **Sample:** MSF3031-ICV3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F65365.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
93	C	Di-n-octylphthalate	50.000	55.011	-10.0	170	0.00	12.25
			AvgRF	CCRF	%Dev			
94	T	Benzo[b]fluoranthene	1.086	1.153	-6.2	167	0.00	12.63
95	T	Benzo[k]fluoranthene	1.158	1.156	0.2	158	0.00	12.65
96	C	Benzo[a]pyrene	1.007	0.966	4.1	147	0.00	12.95
97	T	Indeno[1,2,3-cd]pyrene	1.256	1.340	-6.7	169	0.00	14.11
98	T	Dibenz[a,h]anthracene	0.969	1.094	-12.9	171	0.00	14.12
99	T	Benzo[g,h,i]perylene	1.066	1.118	-4.9	167	0.00	14.41
100		Naphthalene-d8b	1.000	1.000	0.0	63	0.00	5.55
			Amount	Calc.	%Drift			
101		o-Toluic Acid			NA			
102		m-Toluic Acid			NA			
			AvgRF	CCRF	%Dev			
103		p-Toluic Acid			NA			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F65361.D F130701_8270+.m Wed Jul 10 14:27:25 2013

8.7.2

8

Continuing Calibration Summary

Job Number: MC23272 **Sample:** MSF3058-CC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F66060.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : F:\1\DATA\F130809\F66060.D Vial: 100
Acq On : 9 Aug 2013 9:32 am Operator: KRISTINR
Sample : CC3031-80, tcl42 Inst : MSF
Misc : OP34224,MSF3058,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : W:\1\methods\F130701_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Wed Jul 10 07:01:30 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	127	-0.03	4.23
2		N-nitrosodimethylamine		----------NA----------				
3	T	Pyridine		----------NA----------				
4	T	Aniline		----------NA----------				
5	S	2-Fluorophenol		----------NA----------				
6	T	bis(2-Chloroethyl)ether		----------NA----------				
7	S	Phenol-d5		----------NA----------				
8	C	Phenol		----------NA----------				
9	M	2-Chlorophenol		----------NA----------				
10	T	1,3-Dichlorobenzene		----------NA----------				
11	C	1,4-Dichlorobenzene		----------NA----------				
12	T	1,2-Dichlorobenzene		----------NA----------				
13	T	Benzyl alcohol		----------NA----------				
14	T	bis(2-chloroisopropyl)eth		----------NA----------				
15	T	o-cresol		----------NA----------				
16	T	Acetophenone		----------NA----------				
17	T	Hexachloroethane		----------NA----------				
18	P	N-Nitroso-di-n-propylamin		----------NA----------				
19	T	m+p-cresols		----------NA----------				
20		4-methylphenol		----------NA----------				
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	71	-0.03	4.23
22		Benzaldehyde	0.975	1.202	-23.3#	85	-0.04	3.88
23	I	Naphthalene-d8	1.000	1.000	0.0	130	-0.03	5.36
24	S	Nitrobenzene-d5		----------NA----------				
25	T	Nitrobenzene		----------NA----------				
26	T	Isophorone		----------NA----------				
27	C	2-Nitrophenol		----------NA----------				
28	T	2,4-Dimethylphenol		----------NA----------				
29	T	bis(2-Chloroethoxy)methan		----------NA----------				
30	T	Benzoic acid		----------NA----------				
31	C	2,4-Dichlorophenol		----------NA----------				
32	M	1,2,4-Trichlorobenzene		----------NA----------				
33	T	Naphthalene		----------NA----------				
34	T	2,6-Dichlorophenol		----------NA----------				
35	T	4-Chloroaniline		----------NA----------				
36	C	Hexachlorobutadiene		----------NA----------				
37	C	4-Chloro-3-methylphenol		----------NA----------				
38	T	2-Methylnaphthalene		----------NA----------				
39	T	1-Methylnaphthalene		----------NA----------				
40	T	1,2,4,5-Tetrachlorobenzen		----------NA----------				

Continuing Calibration Summary

Job Number: MC23272 **Sample:** MSF3058-CC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F66060.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

41	I	Naphthalene-d8a	1.000	1.000	0.0	72	-0.03	5.36
42		Caprolactam	0.122	0.125	-2.5	72	-0.10	5.73
43	I	Acenaphthene-d10	1.000	1.000	0.0	136	-0.03	7.00
44	T	Pentachloronitrobenzene		----------NA----------				
45	P	Hexachlorocyclopentadiene		----------NA----------				
46	C	2,4,6-Trichlorophenol		----------NA----------				
47	T	2,4,5-Trichlorophenol		----------NA----------				
48	S	2-Fluorobiphenyl		----------NA----------				
49	T	2-Chloronaphthalene		----------NA----------				
50	M	Acenaphthylene		----------NA----------				
51	T	Dimethylphthalate		----------NA----------				
52	T	2,4-Dinitrotoluene		----------NA----------				
53	C	Acenaphthene		----------NA----------				
54	P	2,4-Dinitrophenol		----------NA----------				
55	T	Dibenzofuran		----------NA----------				
56	M	2,6-Dinitrotoluene		----------NA----------				
57	P	4-Nitrophenol		----------NA----------				
58	T	2,3,4,6-Tetrachlorophenol		----------NA----------				
59	T	Fluorene		----------NA----------				
60	T	4-Chlorophenyl-phenylethe		----------NA----------				
61	T	Diethylphthalate		----------NA----------				
62	T	2-nitroaniline		----------NA----------				
63	T	3-nitroaniline		----------NA----------				
64	T	4-nitroaniline		----------NA----------				
65		Acenaphthene-d10a	1.000	1.000	0.0	73	-0.03	7.00
66		1,1'-Biphenyl	1.384	1.424	-2.9	74	-0.04	6.45
67	I	Phenanthrene-d10	1.000	1.000	0.0	137	-0.04	8.46
68	T	4,6-Dinitro-2-methylpheno		----------NA----------				
69	C	n-Nitrosodiphenylamine		----------NA----------				
70	T	1,2-Diphenylhydrazine		----------NA----------				
71	S	2,4,6-Tribromophenol		----------NA----------				
72	T	4-Bromophenyl-phenylether		----------NA----------				
73	T	Hexachlorobenzene		----------NA----------				
74	C	Pentachlorophenol		----------NA----------				
75	T	Phenanthrene		----------NA----------				
76	T	Anthracene		----------NA----------				
77	T	Carbazole		----------NA----------				
78	T	Di-n-butylphthalate		----------NA----------				
79	C	Fluoranthene		----------NA----------				
80	I	Phenanthrene-d10a	1.000	1.000	0.0	69	-0.04	8.46
81		Atrazine	0.215	0.226	-5.1	69	-0.03	8.21
82	I	Chrysene-d12	1.000	1.000	0.0	152	-0.04	11.26
83	T	Benzidine		----------NA----------				
84	M	Pyrene		----------NA----------				
85	S	Terphenyl-d14		----------NA----------				
86		3,3-Dimethylbenzidine		----------NA----------				
87	T	Butylbenzylphthalate		----------NA----------				
88	T	3,3'-Dichlorobenzidine		----------NA----------				
89	T	Benzo[a]anthracene		----------NA----------				
90	T	Chrysene		----------NA----------				
91	T	bis(2-Ethylhexyl)phthalat		----------NA----------				
92	I	Perylene-d12	1.000	1.000	0.0	144	-0.04	12.78

Continuing Calibration Summary

Job Number: MC23272 **Sample:** MSF3058-CC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F66060.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift		
93	C	Di-n-octylphthalate		NA			
			AvgRF	CCRF	%Dev		
94	T	Benzo[b]fluoranthene		NA			
95	T	Benzo[k]fluoranthene		NA			
96	C	Benzo[a]pyrene		NA			
97	T	Indeno[1,2,3-cd]pyrene		NA			
98	T	Dibenz[a,h]anthracene		NA			
99	T	Benzo[g,h,i]perylene		NA			
100		Naphthalene-d8b	1.000	1.000	0.0	72	-0.03 5.36
			Amount	Calc.	%Drift		
101		o-Toluic Acid		NA			
102		m-Toluic Acid		NA			
			AvgRF	CCRF	%Dev		
103		p-Toluic Acid		NA			

(#) = Out of Range SPCC's out = 4 CCC's out = 13
F65362.D F130701_8270+.m Fri Aug 09 10:41:44 2013

8.7.3

8

Continuing Calibration Summary

Job Number: MC23272 **Sample:** MSF3058-CC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F66061.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : F:\1\DATA\F130809\F66061.D Vial: 96
Acq On : 9 Aug 2013 9:56 am Operator: KRISTINR
Sample : CC3031-50 Inst : MSF
Misc : OP34224,MSF3058,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : W:\1\methods\F130701_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Wed Jul 10 07:01:30 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	132	-0.03	4.23
2		N-nitrosodimethylamine	0.778	0.756	2.8	127	-0.10	2.27
3	T	Pyridine	1.398	1.320	5.6	123	-0.10	2.28
4	T	Aniline	1.767	1.800	-1.9	133	-0.03	3.99
5	S	2-Fluorophenol	1.166	1.226	-5.1	135	-0.04	3.25
6	T	bis(2-Chloroethyl)ether	0.809	0.920	-13.7	148	-0.03	4.03
7	S	Phenol-d5	1.484	1.588	-7.0	139	-0.01	3.97
8	C	Phenol	1.502	1.776	-18.2	154	-0.01	3.99
9	M	2-Chlorophenol	1.244	1.294	-4.0	134	-0.03	4.09
10	T	1,3-Dichlorobenzene	1.452	1.485	-2.3	134	-0.03	4.20
11	C	1,4-Dichlorobenzene	1.548	1.588	-2.6	136	-0.04	4.24
12	T	1,2-Dichlorobenzene	1.392	1.443	-3.7	136	-0.03	4.41
13	T	Benzyl alcohol	0.806	0.561	30.4#	90	-0.02	4.37
14	T	bis(2-chloroisopropyl)eth	1.003	1.133	-13.0	149	-0.02	4.50
15	T	o-cresol	1.093	1.169	-7.0	138	0.00	4.48
16	T	Acetophenone	1.799	1.955	-8.7	143	-0.02	4.60
17	T	Hexachloroethane	0.542	0.604	-11.4	146	-0.02	4.67
18	P	N-Nitroso-di-n-propylamin	0.896	1.078	-20.3#	156	-0.01	4.62
19	T	m+p-cresols	1.202	1.362	-13.3	148	0.00	4.61
20		4-methylphenol	1.202	1.362	-13.3	148	0.00	4.61
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	57	-0.03	4.23
22		Benzaldehyde	----------NA----------					
23	I	Naphthalene-d8	1.000	1.000	0.0	136	-0.03	5.36
24	S	Nitrobenzene-d5	0.374	0.434	-16.0	152	-0.04	4.74
25	T	Nitrobenzene	0.378	0.445	-17.7	157	-0.04	4.75
26	T	Isophorone	0.626	0.727	-16.1	152	-0.04	4.95
27	C	2-Nitrophenol	0.190	0.201	-5.8	142	-0.04	5.04
28	T	2,4-Dimethylphenol	0.357	0.396	-10.9	149	-0.02	5.08
29	T	bis(2-Chloroethoxy)methan	0.372	0.401	-7.8	142	-0.03	5.15
30	T	Benzoic acid	0.269	0.278	-3.3	135	0.00	5.18
31	C	2,4-Dichlorophenol	0.312	0.329	-5.4	141	-0.02	5.25
32	M	1,2,4-Trichlorobenzene	0.358	0.369	-3.1	137	-0.03	5.32
33	T	Naphthalene	0.989	1.036	-4.8	142	-0.03	5.38
34	T	2,6-Dichlorophenol	0.311	0.313	-0.6	137	-0.02	5.46
35	T	4-Chloroaniline	0.427	0.428	-0.2	136	-0.02	5.45
36	C	Hexachlorobutadiene	0.234	0.250	-6.8	145	-0.03	5.54
37	C	4-Chloro-3-methylphenol	0.308	0.352	-14.3	153	0.01	5.91
38	T	2-Methylnaphthalene	0.685	0.732	-6.9	145	-0.01	6.01
39	T	1-Methylnaphthalene	0.664	0.693	-4.4	141	-0.01	6.11
40	T	1,2,4,5-Tetrachlorobenzen	0.417	0.442	-6.0	145	0.00	6.21

Continuing Calibration Summary

Job Number: MC23272 **Sample:** MSF3058-CC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F66061.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

41	I	Naphthalene-d8a	1.000	1.000	0.0	59	-0.03	5.36
42		Caprolactam		----------NA----------				
43	I	Acenaphthene-d10	1.000	1.000	0.0	141	-0.03	7.00
44	T	Pentachloronitrobenzene	0.179	0.212	-18.4	166	-0.01	8.42
45	P	Hexachlorocyclopentadiene	0.428	0.350	18.2	113	-0.04	6.22
46	C	2,4,6-Trichlorophenol	0.415	0.412	0.7	142	-0.04	6.31
47	T	2,4,5-Trichlorophenol	0.441	0.453	-2.7	143	-0.02	6.35
48	S	2-Fluorobiphenyl	1.346	1.363	-1.3	143	-0.04	6.37
49	T	2-Chloronaphthalene	1.086	1.132	-4.2	145	-0.04	6.46
50	M	Acenaphthylene	1.723	1.824	-5.9	147	-0.04	6.86
51	T	Dimethylphthalate	1.274	1.350	-6.0	149	-0.03	6.79
52	T	2,4-Dinitrotoluene	0.367	0.415	-13.1	154	-0.02	7.22
53	C	Acenaphthene	1.090	1.145	-5.0	149	-0.04	7.03
54	P	2,4-Dinitrophenol	0.205	0.185	9.8	129	-0.02	7.08
55	T	Dibenzofuran	1.635	1.721	-5.3	147	-0.03	7.18
56	M	2,6-Dinitrotoluene	0.287	0.317	-10.5	152	-0.02	6.85
57	P	4-Nitrophenol	0.235	0.269	-14.5	163	0.01	7.16
58	T	2,3,4,6-Tetrachlorophenol	0.390	0.411	-5.4	146	-0.02	7.35
59	T	Fluorene	1.265	1.408	-11.3	154	-0.03	7.52
60	T	4-Chlorophenyl-phenylethe	0.701	0.769	-9.7	152	-0.03	7.51
61	T	Diethylphthalate	1.251	1.341	-7.2	152	-0.02	7.46
62	T	2-nitroaniline	0.348	0.382	-9.8	150	-0.03	6.59
63	T	3-nitroaniline	0.297	0.318	-7.1	149	-0.03	6.98
64	T	4-nitroaniline	0.298	0.326	-9.4	151	-0.01	7.58
65		Acenaphthene-d10a	1.000	1.000	0.0	61	-0.03	7.00
66		1,1'-Biphenyl		----------NA----------				
67	I	Phenanthrene-d10	1.000	1.000	0.0	149	-0.03	8.46
68	T	4,6-Dinitro-2-methylpheno	0.148	0.151	-2.0	147	-0.03	7.62
69	C	n-Nitrosodiphenylamine	0.504	0.511	-1.4	150	-0.03	7.64
70	T	1,2-Diphenylhydrazine	0.640	0.720	-12.5	164	-0.04	7.67
71	S	2,4,6-Tribromophenol	0.128	0.118	7.8	133	-0.04	7.77
72	T	4-Bromophenyl-phenylether	0.245	0.246	-0.4	148	-0.04	8.00
73	T	Hexachlorobenzene	0.253	0.243	4.0	141	-0.04	8.15
74	C	Pentachlorophenol	0.181	0.151	16.6	122	-0.02	8.34
75	T	Phenanthrene	1.034	1.064	-2.9	154	-0.04	8.49
76	T	Anthracene	1.074	1.122	-4.5	153	-0.04	8.53
77	T	Carbazole	0.938	0.986	-5.1	154	-0.02	8.71
78	T	Di-n-butylphthalate	1.100	1.212	-10.2	159	-0.01	9.15
79	C	Fluoranthene	1.075	1.238	-15.2	168	0.00	9.76
80	I	Phenanthrene-d10a	1.000	1.000	0.0	61	-0.03	8.46
81		Atrazine		----------NA----------				
82	I	Chrysene-d12	1.000	1.000	0.0	158	-0.03	11.26
83	T	Benzidine	0.393	0.230	41.5#	88	-0.04	9.90
84	M	Pyrene	1.098	1.163	-5.9	166	-0.05	9.98
85	S	Terphenyl-d14	0.849	0.862	-1.5	162	-0.04	10.16
86		3,3-Dimethylbenzidine	0.572	0.478	16.4	126	-0.03	10.66
87	T	Butylbenzylphthalate	0.409	0.447	-9.3	170	-0.03	10.71
88	T	3,3'-Dichlorobenzidine	0.415	0.461	-11.1	168	-0.03	11.24
89	T	Benzo[a]anthracene	1.029	1.110	-7.9	169	-0.04	11.24
90	T	Chrysene	1.006	1.051	-4.5	167	-0.04	11.29
91	T	bis(2-Ethylhexyl)phthalat	0.560	0.635	-13.4	167	-0.02	11.38
92	I	Perylene-d12	1.000	1.000	0.0	157	-0.04	12.78

Continuing Calibration Summary

Job Number: MC23272 **Sample:** MSF3058-CC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F66061.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
93	C	Di-n-octylphthalate	50.000	58.029	-16.1	175	-0.03	12.04
			AvgRF	CCRF	%Dev			
94	T	Benzo[b]fluoranthene	1.086	1.285	-18.3	182	-0.04	12.40
95	T	Benzo[k]fluoranthene	1.158	1.113	3.9	149	-0.04	12.43
96	C	Benzo[a]pyrene	1.007	1.105	-9.7	164	-0.04	12.72
97	T	Indeno[1,2,3-cd]pyrene	1.256	1.338	-6.5	164	-0.07	13.83
98	T	Dibenz[a,h]anthracene	0.969	1.051	-8.5	160	-0.07	13.84
99	T	Benzo[g,h,i]perylene	1.066	1.079	-1.2	157	-0.10	14.10
100		Naphthalene-d8b	1.000	1.000	0.0	59	-0.03	5.36
			Amount	Calc.	%Drift			
101		o-Toluic Acid			NA			
102		m-Toluic Acid			NA			
			AvgRF	CCRF	%Dev			
103		p-Toluic Acid			NA			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F65361.D F130701_8270+.m Fri Aug 09 13:43:21 2013

8.7.4

8

New England ACCUTEST LABORATORIES

GC/MS Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66081.D
Acq On : 9 Aug 2013 5:52 pm
Operator : KRISTINR
Sample : MC23272-1
Misc : OP34292,MSF3058,20.85,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 14 16:49:41 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

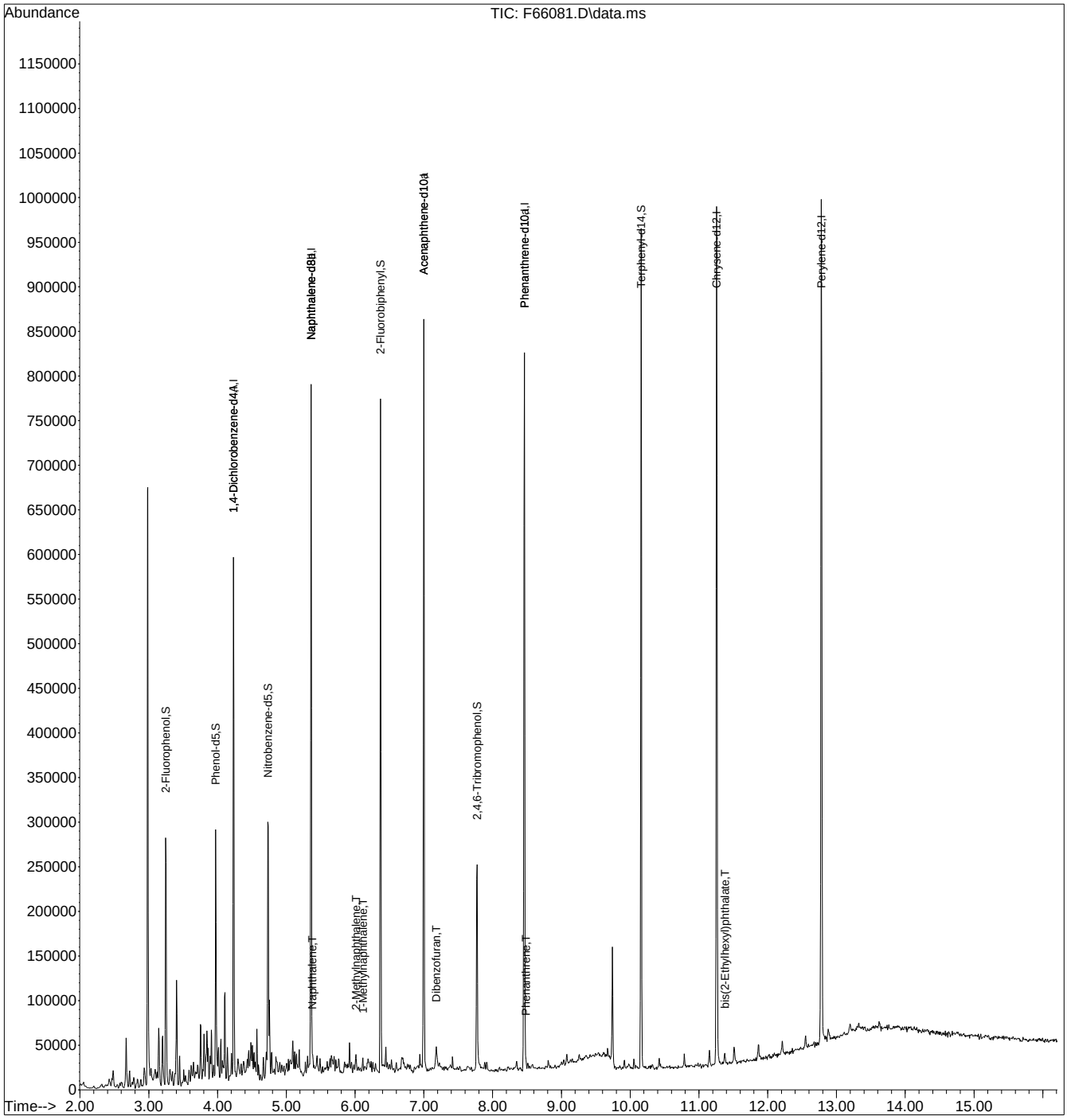
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.232	152	66736	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.232	152	66736	40.00	PPM	0.00
23) Naphthalene-d8	5.360	136	245877	40.00	ppm	0.00
41) Naphthalene-d8a	5.360	136	245877	40.00	ppm	0.00
43) Acenaphthene-d10	6.999	164	150695	40.00	ppm	0.00
65) Acenaphthene-d10a	6.999	164	150695	40.00	ppm	0.00
67) Phenanthrene-d10	8.462	188	275224	40.00	ppm	0.00
80) Phenanthrene-d10a	8.462	188	275224	40.00	ppm	0.00
82) Chrysene-d12	11.258	240	325523	40.00	ppm	0.00
92) Perylene-d12	12.779	264	349797	40.00	ppm	0.00
100) Naphthalene-d8b	5.360	136	245877	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.245	112	63087	32.43	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 32.43%			
7) Phenol-d5	3.974	99	83568	33.75	ppm	0.03
Spiked Amount 100.000	Range 30 - 130		Recovery = 33.75%			
24) Nitrobenzene-d5	4.731	82	83472	36.30	ppm	-0.01
Spiked Amount 50.000	Range 30 - 130		Recovery = 72.60%			
48) 2-Fluorobiphenyl	6.370	172	177040	34.91	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 69.82%			
71) 2,4,6-Tribromophenol	7.774	330	26867	30.45	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 30.45%			
85) Terphenyl-d14	10.159	244	257468	37.24	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 74.48%			
Target Compounds						Qvalue
33) Naphthalene	5.378	128	3519	0.58	ppm	96
38) 2-Methylnaphthalene	6.012	142	2625	0.62	ppm	98
39) 1-Methylnaphthalene	6.112	142	1930	0.47	ppm	79
55) Dibenzofuran	7.181	168	1358	0.22	ppm	94
75) Phenanthrene	8.485	178	3133	0.44	ppm	94
91) bis(2-Ethylhexyl)phtha...	11.375	149	2872	0.63	ppm	79

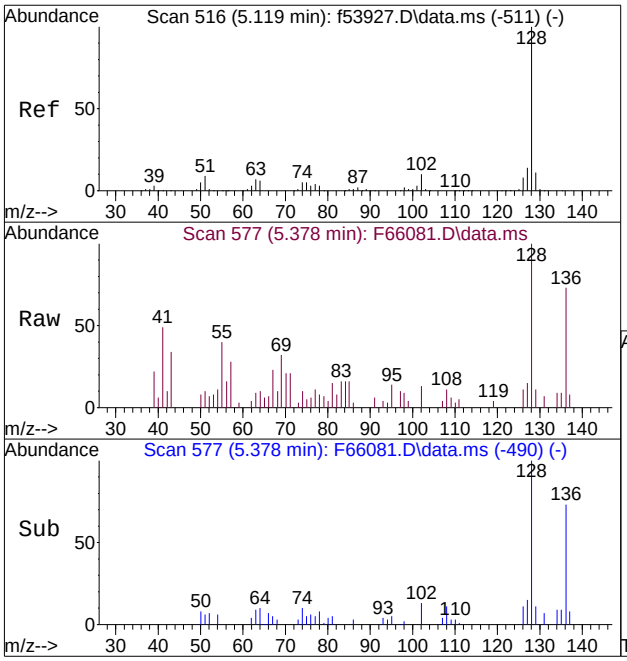
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66081.D
Acq On : 9 Aug 2013 5:52 pm
Operator : KRISTINR
Sample : MC23272-1
Misc : OP34292,MSF3058,20.85,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 14 16:49:41 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

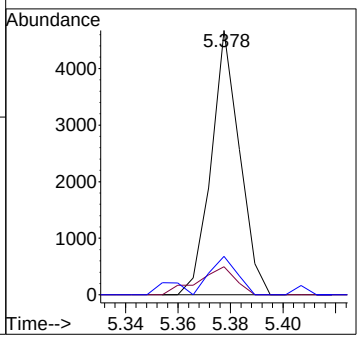


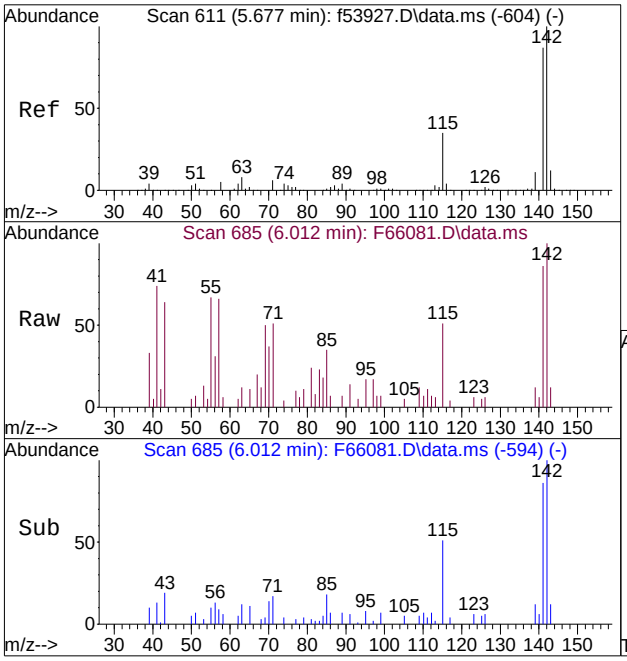


#33
Naphthalene
Concen: 0.58 ppm
RT: 5.378 min Scan# 577
Delta R.T. 0.010 min
Lab File: F66081.D
Acq: 9 Aug 2013 5:52 pm

Tgt Ion:128 Resp: 3519

Ion	Ratio	Lower	Upper
128	100		
129	10.7	0.0	40.1
127	14.5	0.0	42.3

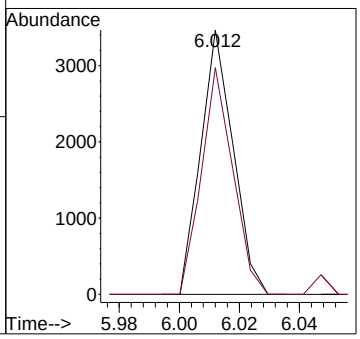


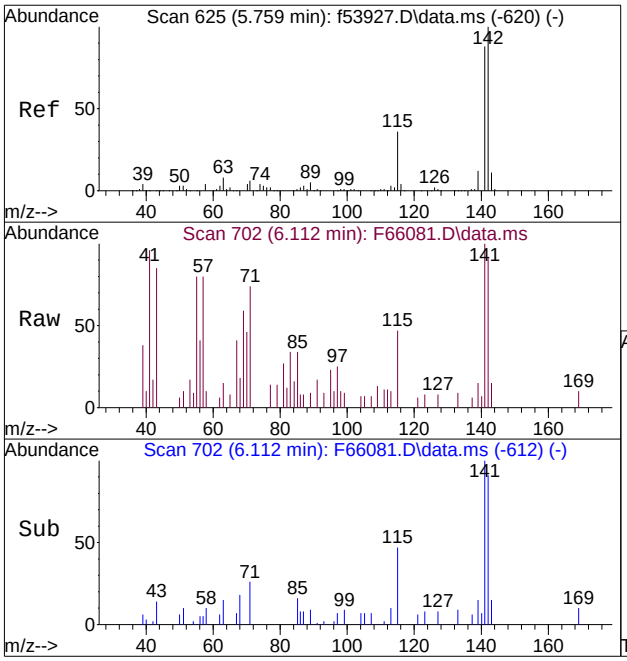


#38
2-Methylnaphthalene
Concen: 0.62 ppm
RT: 6.012 min Scan# 685
Delta R.T. 0.033 min
Lab File: F66081.D
Acq: 9 Aug 2013 5:52 pm

Tgt Ion:142 Resp: 2625

Ion	Ratio	Lower	Upper
142	100		
141	85.8	57.2	117.2

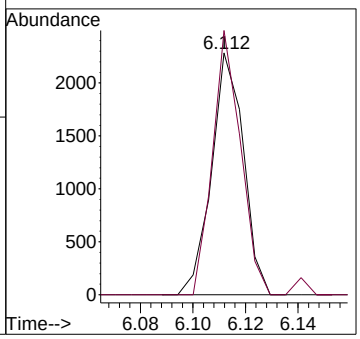


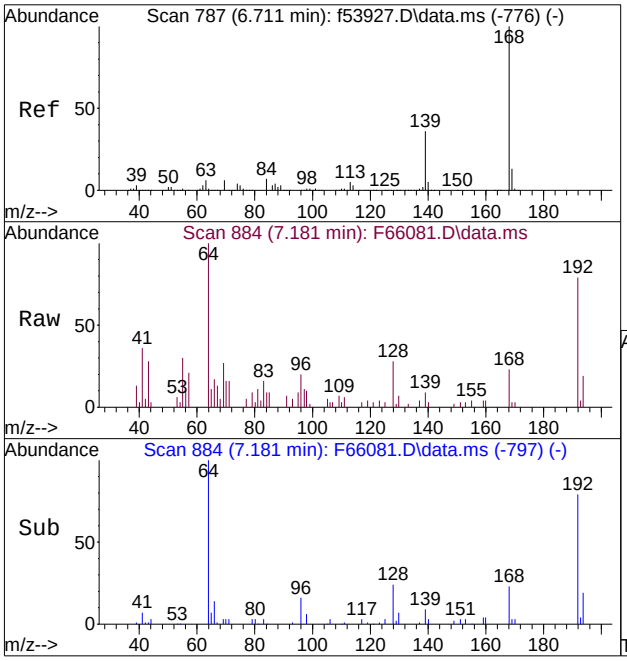


#39
1-Methylnaphthalene
Concen: 0.47 ppm
RT: 6.112 min Scan# 702
Delta R.T. 0.031 min
Lab File: F66081.D
Acq: 9 Aug 2013 5:52 pm

Tgt Ion:142 Resp: 1930

Ion	Ratio	Lower	Upper
142	100		
141	109.3	70.0	110.0

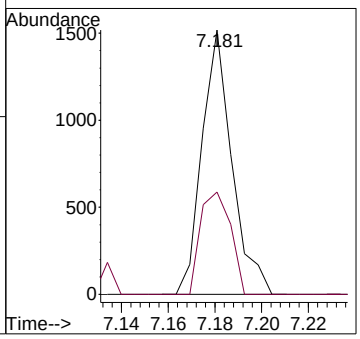


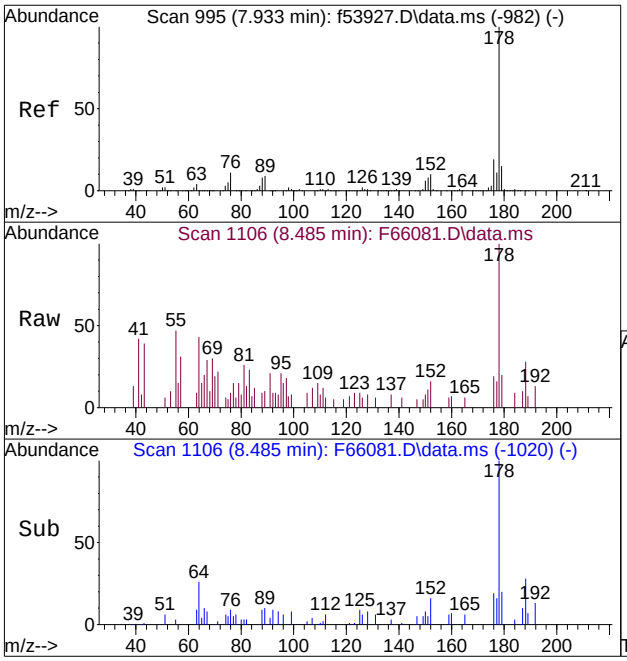


#55
Dibenzofuran
Concen: 0.22 ppm
RT: 7.181 min Scan# 884
Delta R.T. 0.008 min
Lab File: F66081.D
Acq: 9 Aug 2013 5:52 pm

Tgt Ion:168 Resp: 1358

Ion	Ratio	Lower	Upper
168	100		
139	38.7	5.2	65.2

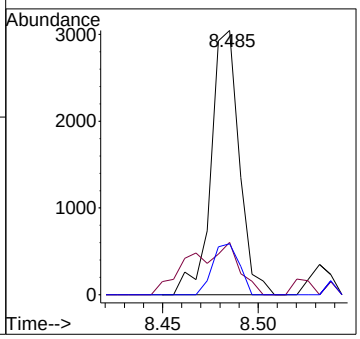


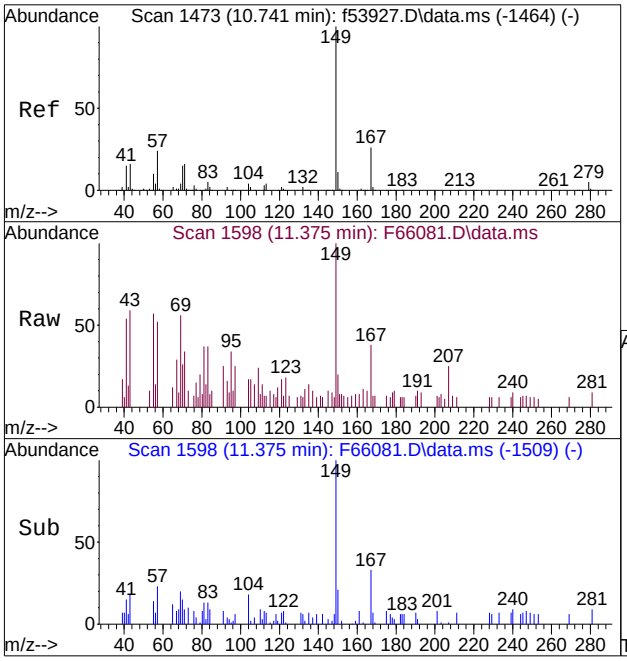


#75
Phenanthrene
Concen: 0.44 ppm
RT: 8.485 min Scan# 1106
Delta R.T. 0.004 min
Lab File: F66081.D
Acq: 9 Aug 2013 5:52 pm

Tgt Ion:178 Resp: 3133

Ion	Ratio	Lower	Upper
178	100		
179	19.9	0.0	45.2
176	19.3	0.0	48.6

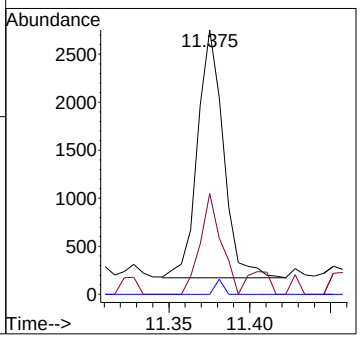




#91
bis(2-Ethylhexyl)phthalate
Concen: 0.63 ppm
RT: 11.375 min Scan# 1598
Delta R.T. 0.022 min
Lab File: F66081.D
Acq: 9 Aug 2013 5:52 pm

Tgt Ion:149 Resp: 2872

Ion	Ratio	Lower	Upper
149	100		
167	40.7	0.0	58.7
279	0.0	0.0	35.2



LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66081.D
Acq On : 9 Aug 2013 5:52 pm
Operator : KRISTINR
Sample : MC23272-1
Misc : OP34292,MSF3058,20.85,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

Signal : TIC: F66081.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.481	78	84	91	rVB2	18610	28144	2.79%	0.280%
2	2.669	111	116	121	rBV	55787	61555	6.10%	0.613%
3	2.722	121	125	128	rBV	18363	15234	1.51%	0.152%
4	2.781	133	135	139	rVB2	12661	13141	1.30%	0.131%
5	2.840	139	145	148	rBV2	10742	16747	1.66%	0.167%
6	2.934	157	161	166	rBV3	20474	27029	2.68%	0.269%
7	2.987	166	170	176	rBV	670203	617805	61.26%	6.148%
8	3.034	176	178	183	rVB2	13538	13994	1.39%	0.139%
9	3.092	183	188	191	rBV3	12646	17317	1.72%	0.172%
10	3.145	191	197	203	rVB2	64716	81376	8.07%	0.810%
11	3.204	203	207	211	rBV2	55809	64608	6.41%	0.643%
12	3.245	211	214	221	rVB	276885	250344	24.82%	2.491%
13	3.310	221	225	229	rBV2	17499	24838	2.46%	0.247%
14	3.404	234	241	246	rBV	118087	116825	11.58%	1.163%
15	3.451	246	249	252	rVB	34011	29475	2.92%	0.293%
16	3.509	252	259	261	rBV2	18663	21212	2.10%	0.211%
17	3.533	261	263	269	rVB2	10773	12571	1.25%	0.125%
18	3.586	269	272	275	rBV2	16998	19286	1.91%	0.192%
19	3.615	275	277	280	rBV2	18226	18834	1.87%	0.187%
20	3.650	280	283	286	rVB2	18140	14966	1.48%	0.149%
21	3.709	291	293	297	rVB2	15393	14645	1.45%	0.146%
22	3.750	297	300	304	rVB	61417	60291	5.98%	0.600%
23	3.803	304	309	312	rBV	50794	48616	4.82%	0.484%
24	3.844	312	316	321	rVB4	54305	84723	8.40%	0.843%
25	3.909	321	327	330	rBV2	55493	68214	6.76%	0.679%
26	3.944	330	333	335	rBV2	14302	12705	1.26%	0.126%
27	3.974	335	338	343	rBV	276534	232281	23.03%	2.312%
28	4.015	343	345	348	rVB	33843	26227	2.60%	0.261%
29	4.050	348	351	353	rBV	43328	33597	3.33%	0.334%
30	4.067	353	354	356	rBV	14312	12016	1.19%	0.120%
31	4.109	358	361	364	rVB2	96407	83520	8.28%	0.831%
32	4.144	364	367	370	rVB	37578	29431	2.92%	0.293%
33	4.203	370	377	379	rBV2	30936	33805	3.35%	0.336%
34	4.232	379	382	389	rVB	582635	457441	45.36%	4.552%
35	4.297	389	393	398	rBV5	20385	31778	3.15%	0.316%
36	4.379	403	407	411	rBV4	15886	24567	2.44%	0.244%
37	4.432	411	416	418	rVV4	16620	21393	2.12%	0.213%
38	4.455	418	420	422	rVV	26188	23456	2.33%	0.233%
39	4.485	422	425	427	rVV	35067	38317	3.80%	0.381%
40	4.508	427	429	431	rVV	31628	25788	2.56%	0.257%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66081.D
Acq On : 9 Aug 2013 5:52 pm
Operator : KRISTINR
Sample : MC23272-1
Misc : OP34292,MSF3058,20.85,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

41	4.532	431	433	438	rVV3	23523	27474	2.72%	0.273%
42	4.573	438	440	443	rVV	49441	32780	3.25%	0.326%
43	4.667	452	456	459	rBV3	26238	25840	2.56%	0.257%
44	4.731	459	467	474	rBV2	287385	365936	36.29%	3.642%
45	4.790	474	477	481	rBV	24218	23129	2.29%	0.230%
46	4.849	485	487	494	rBV4	19941	32520	3.22%	0.324%
47	4.908	494	497	499	rVV3	13443	14854	1.47%	0.148%
48	4.937	499	502	504	rVV2	10278	12563	1.25%	0.125%
49	5.002	509	513	516	rBV4	13548	21669	2.15%	0.216%
50	5.060	520	523	525	rVV4	15478	23128	2.29%	0.230%
51	5.096	525	529	531	rVV	36446	39277	3.89%	0.391%
52	5.119	531	533	535	rVV2	24277	20667	2.05%	0.206%
53	5.148	536	538	542	rVV3	21459	25032	2.48%	0.249%
54	5.190	542	545	554	rVB	30186	38364	3.80%	0.382%
55	5.278	554	560	562	rBV3	16285	16673	1.65%	0.166%
56	5.307	562	565	568	rBV	19311	22383	2.22%	0.223%
57	5.360	568	574	584	rVV	770476	624496	61.93%	6.215%
58	5.448	584	589	594	rVV3	17685	23479	2.33%	0.234%
59	5.489	594	596	600	rVB3	16517	14948	1.48%	0.149%
60	5.659	623	625	629	rVV3	15720	22679	2.25%	0.226%
61	5.695	629	631	633	rVB3	16835	12641	1.25%	0.126%
62	5.718	633	635	640	rBV3	13088	15518	1.54%	0.154%
63	5.759	640	642	652	rVB2	16335	19631	1.95%	0.195%
64	5.847	653	657	659	rBV3	12313	12657	1.26%	0.126%
65	5.918	667	669	672	rVB	28874	20193	2.00%	0.201%
66	6.012	682	685	689	rVB3	17575	18749	1.86%	0.187%
67	6.112	699	702	705	rBV2	15123	14433	1.43%	0.144%
68	6.188	711	715	721	rVV4	12800	24250	2.40%	0.241%
69	6.294	731	733	742	rVB3	10680	15520	1.54%	0.154%
70	6.370	742	746	751	rBV	755496	557487	55.28%	5.548%
71	6.447	756	759	765	rVB3	25034	23214	2.30%	0.231%
72	6.599	781	785	789	rBV3	11474	14021	1.39%	0.140%
73	6.682	796	799	810	rVV6	13684	37268	3.70%	0.371%
74	6.764	810	813	818	rVV5	8763	16456	1.63%	0.164%
75	6.805	818	820	826	rVB5	9242	12066	1.20%	0.120%
76	6.940	841	843	849	rBV2	15878	17552	1.74%	0.175%
77	6.999	849	853	861	rVB	843335	677831	67.21%	6.745%
78	7.181	878	884	890	rBV2	25139	42472	4.21%	0.423%
79	7.416	922	924	934	rVB2	14465	12295	1.22%	0.122%
80	7.774	978	985	1001	rBV	231030	263951	26.17%	2.627%
81	7.915	1007	1009	1017	rVB7	10598	12051	1.19%	0.120%
82	8.103	1036	1041	1058	rBV7	5153	18665	1.85%	0.186%
83	8.462	1097	1102	1108	rBV	805735	751774	74.55%	7.481%
84	8.579	1118	1122	1135	rVB	5456	11640	1.15%	0.116%
85	9.002	1188	1194	1198	rBV8	6259	12783	1.27%	0.127%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66081.D
Acq On : 9 Aug 2013 5:52 pm
Operator : KRISTINR
Sample : MC23272-1
Misc : OP34292,MSF3058,20.85,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

86	9.078	1203	1207	1213	rVV5	11454	14934	1.48%	0.149%
87	9.672	1306	1308	1315	rVV8	12920	19684	1.95%	0.196%
88	9.742	1315	1320	1329	rVB	137712	149024	14.78%	1.483%
89	10.159	1386	1391	1407	rBV	941675	762003	75.56%	7.583%
90	10.424	1431	1436	1452	rBV	11106	16188	1.61%	0.161%
91	10.788	1494	1498	1509	rVB	15081	16903	1.68%	0.168%
92	11.152	1556	1560	1566	rBV	19117	25139	2.49%	0.250%
93	11.258	1573	1578	1590	rBV	961428	897209	88.97%	8.929%
94	11.375	1595	1598	1606	rVB2	12098	15636	1.55%	0.156%
95	11.510	1617	1621	1638	rVB3	18391	30627	3.04%	0.305%
96	11.863	1678	1681	1698	rBV	16312	25969	2.58%	0.258%
97	12.209	1736	1740	1748	rVB3	15498	23567	2.34%	0.235%
98	12.550	1794	1798	1816	rBV8	14225	31430	3.12%	0.313%
99	12.779	1831	1837	1851	rBV	946685	1008458	100.00%	10.036%
100	12.879	1851	1854	1903	rBV	14102	120839	11.98%	1.203%

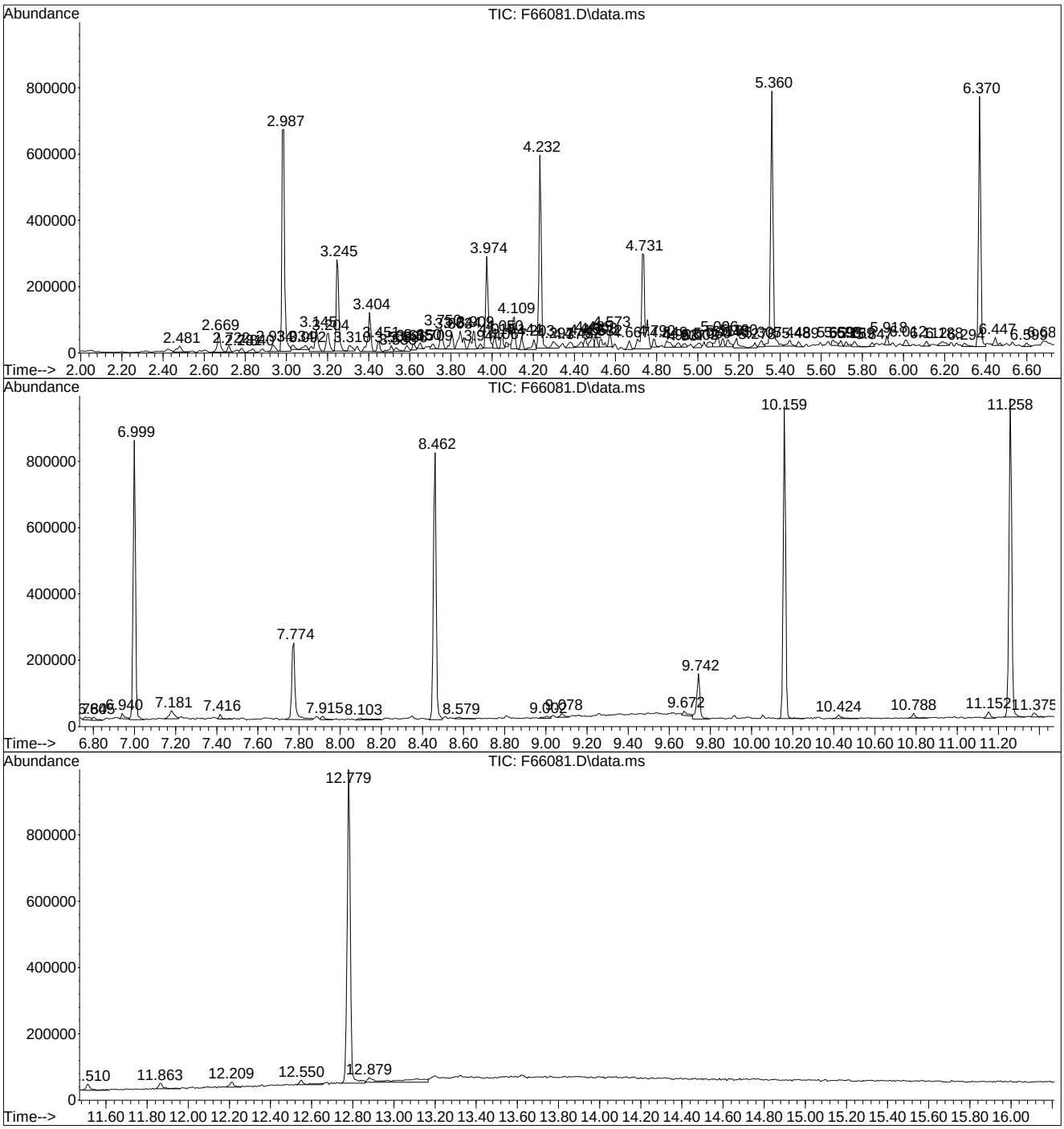
Sum of corrected areas: 10048731

LSC Report - Integrated Chromatogram

Data Path : F:\1\DATA\F130809\
Data File : F66081.D
Acq On : 9 Aug 2013 5:52 pm
Operator : KRISTINR
Sample : MC23272-1
Misc : OP34292,MSF3058,20.85,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66081.D
Acq On : 9 Aug 2013 5:52 pm
Operator : KRISTINR
Sample : MC23272-1
Misc : OP34292,MSF3058,20.85,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

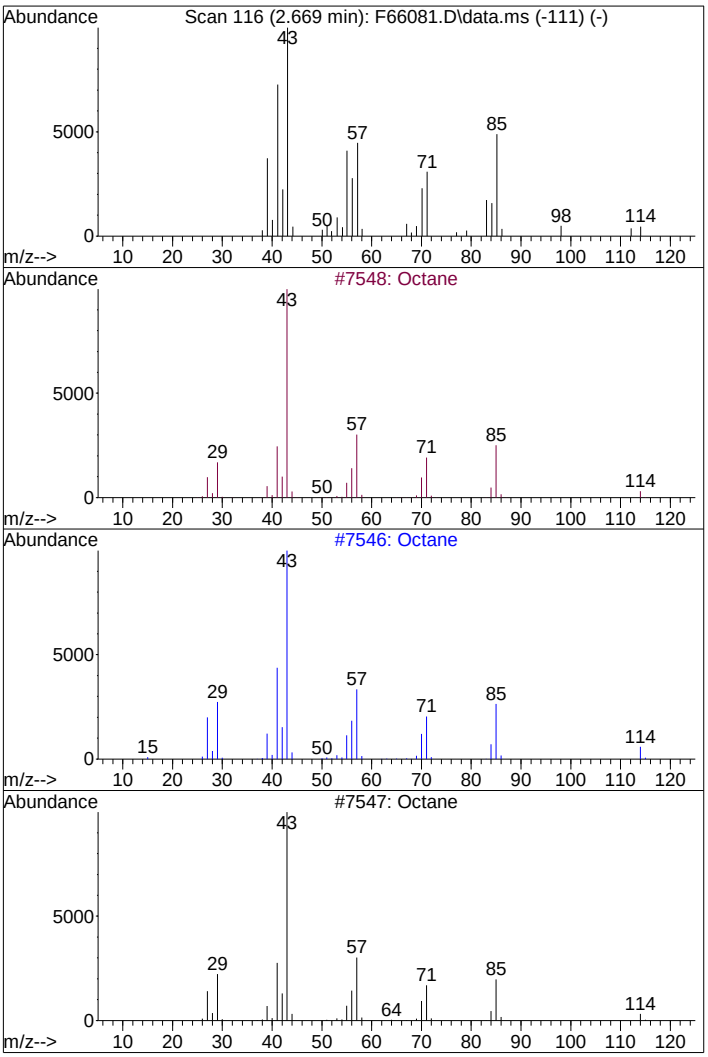
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

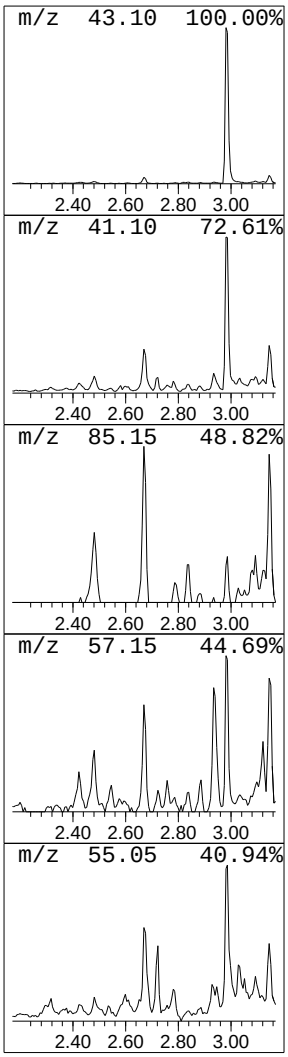
****

Peak Number 1 Octane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.669	5.38 ppm	61555	1,4-Dichlorobenzene-d4A	4.232

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	83
2	Octane	114	C8H18	000111-65-9	72
3	Octane	114	C8H18	000111-65-9	53
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	53
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	52





Library Search Compound Report

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Data Path : F:\1\DATA\F130809\
Data File : F66081.D
Acq On    :  9 Aug 2013    5:52 pm
Operator  : KRISTINR
Sample    : MC23272-1
Misc      : OP34292,MSF3058,20.85,,,1,1
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title  : SW-864 Method 8270

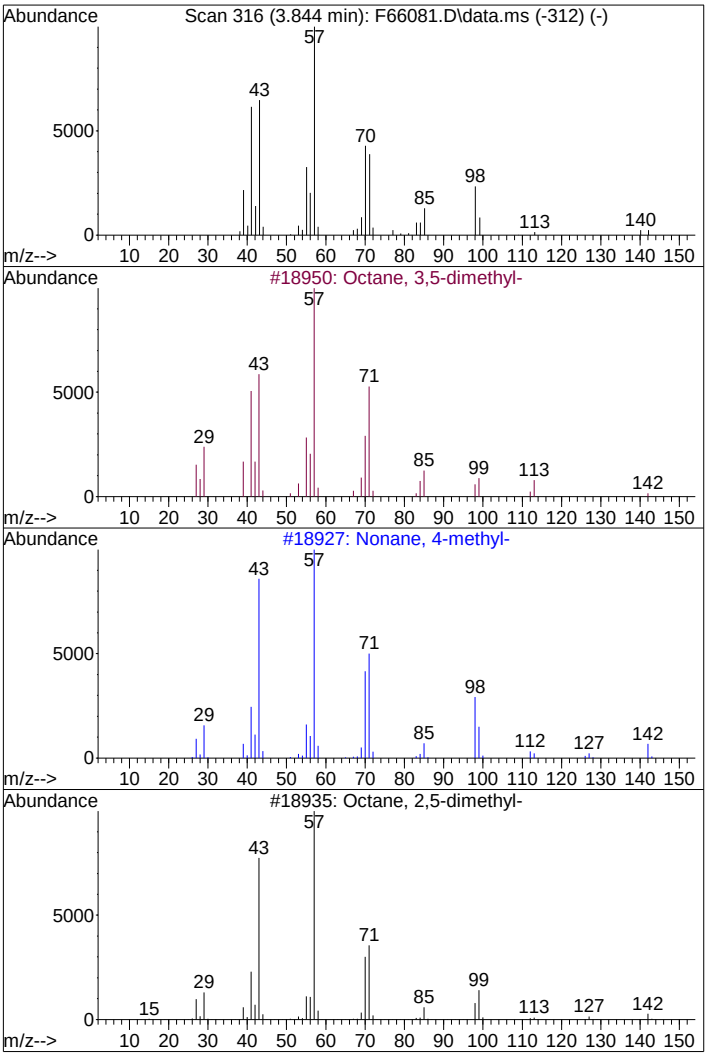
TIC Library   : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P
```

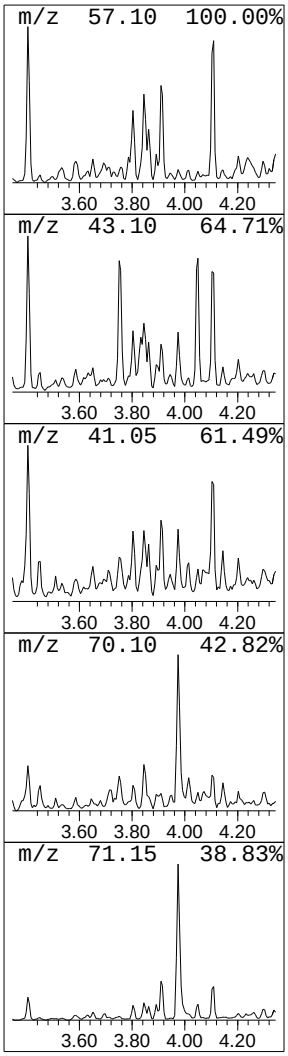
****

Peak Number 7 Octane, 3,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.844	7.41 ppm	84723	1,4-Dichlorobenzene-d4A	4.232

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	81
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	64
3	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	59
4	Nonane, 4-methyl-	142	C10H22	017301-94-9	58
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	53





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66081.D
Acq On : 9 Aug 2013 5:52 pm
Operator : KRISTINR
Sample : MC23272-1
Misc : OP34292,MSF3058,20.85,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

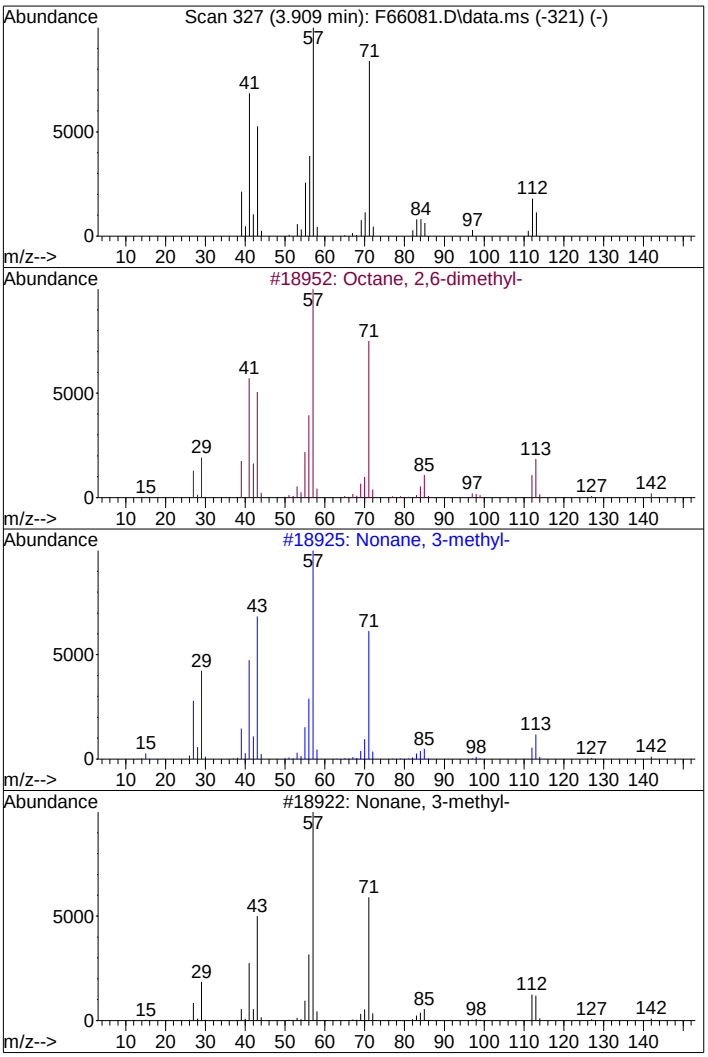
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

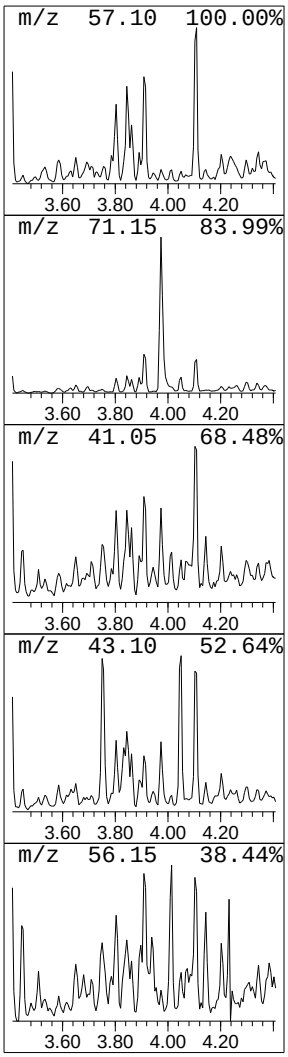
****

Peak Number 8 Octane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.909	5.96 ppm	68214	1,4-Dichlorobenzene-d4A	4.232

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	83
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	83
4	Tridecane, 7-methyl-	198	C14H30	026730-14-3	72
5	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	64





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66081.D
Acq On : 9 Aug 2013 5:52 pm
Operator : KRISTINR
Sample : MC23272-1
Misc : OP34292,MSF3058,20.85,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

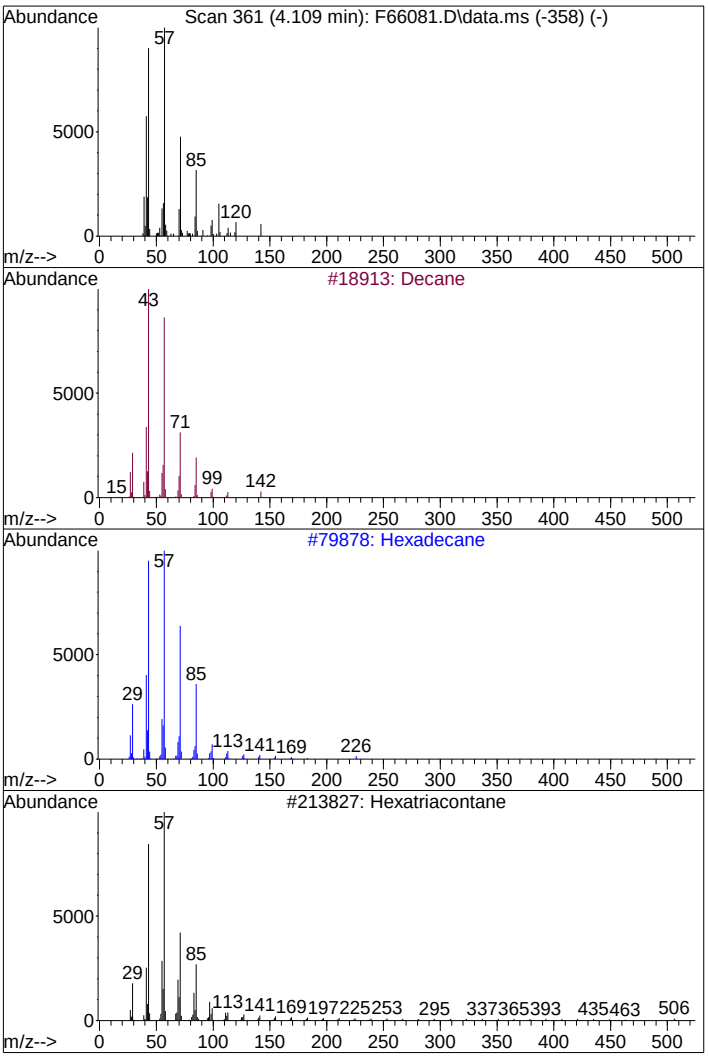
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

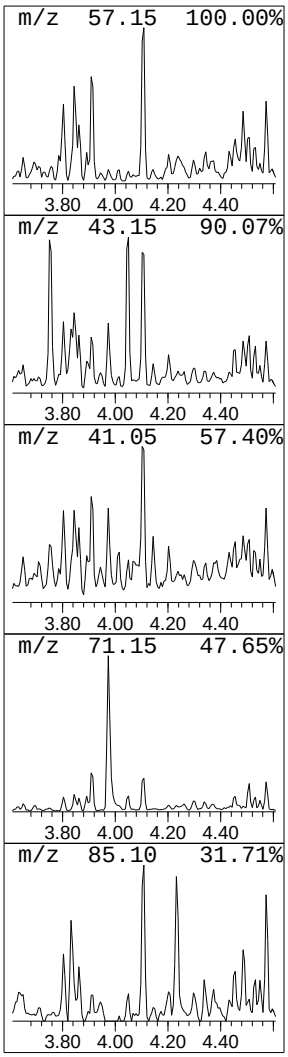
****

Peak Number 9 Decane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.109	7.30 ppm	83520	1,4-Dichlorobenzene-d4A	4.232

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	87
2	Hexadecane	226	C16H34	000544-76-3	72
3	Hexatriacontane	507	C36H74	000630-06-8	64
4	Tridecane	184	C13H28	000629-50-5	64
5	Pentadecane	212	C15H32	000629-62-9	64





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66081.D
Acq On : 9 Aug 2013 5:52 pm
Operator : KRISTINR
Sample : MC23272-1
Misc : OP34292,MSF3058,20.85,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

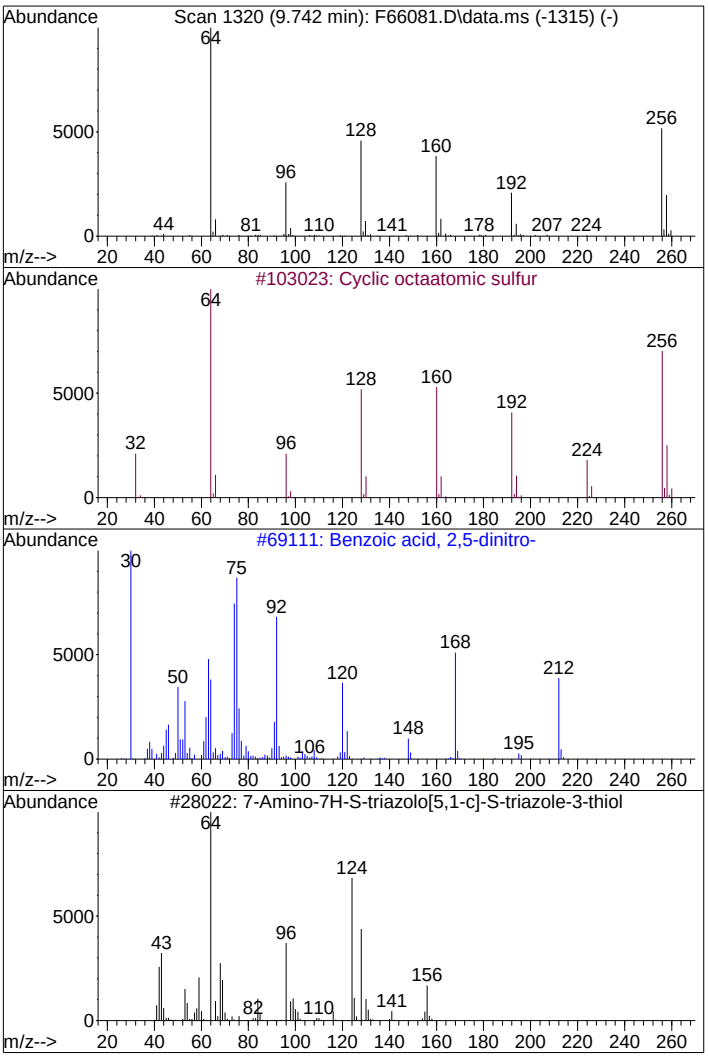
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

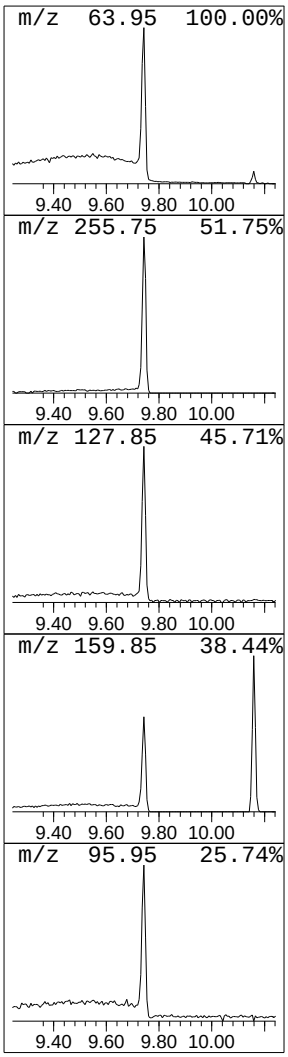
****

Peak Number 10 Cyclic octaatomic sulfur Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.742	7.93 ppm	149024	Phenanthrene-d10a	8.462

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclic octaatomic sulfur	256	S8	010544-50-0	78
2	Benzoic acid, 2,5-dinitro-	212	C7H4N2O6	000610-28-6	47
3	7-Amino-7H-S-triazolo[5,1-c]-S-t...	156	C3H4N6S	013728-28-4	36
4	4-(4-Chlorophenylamino)pyrido[3,...	256	C13H9ClN4	1000326-91-2	12
5	2-Norbornanone, 1-(epithioethyl)...	228	C11H16O3S	001782-93-0	9





Tentatively Identified Compound (LSC) summary

Data Path : F:\1\DATA\F130809\
Data File : F66081.D
Acq On : 9 Aug 2013 5:52 pm
Operator : KRISTINR
Sample : MC23272-1
Misc : OP34292,MSF3058,20.85,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Octane	2.669	5.4	ppm	61555	1	4.232	457441	40.0
Octane, 3,5-dim...	3.844	7.4	ppm	84723	1	4.232	457441	40.0
Octane, 2,6-dim...	3.909	6.0	ppm	68214	1	4.232	457441	40.0
Decane	4.109	7.3	ppm	83520	1	4.232	457441	40.0
Cyclic octaatom...	9.742	7.9	ppm	149024	9	8.462	751774	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/19/13 15:31

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66082.D
Acq On : 9 Aug 2013 6:16 pm
Operator : KRISTINR
Sample : MC23272-3
Misc : OP34292,MSF3058,20.29,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 16:52:15 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

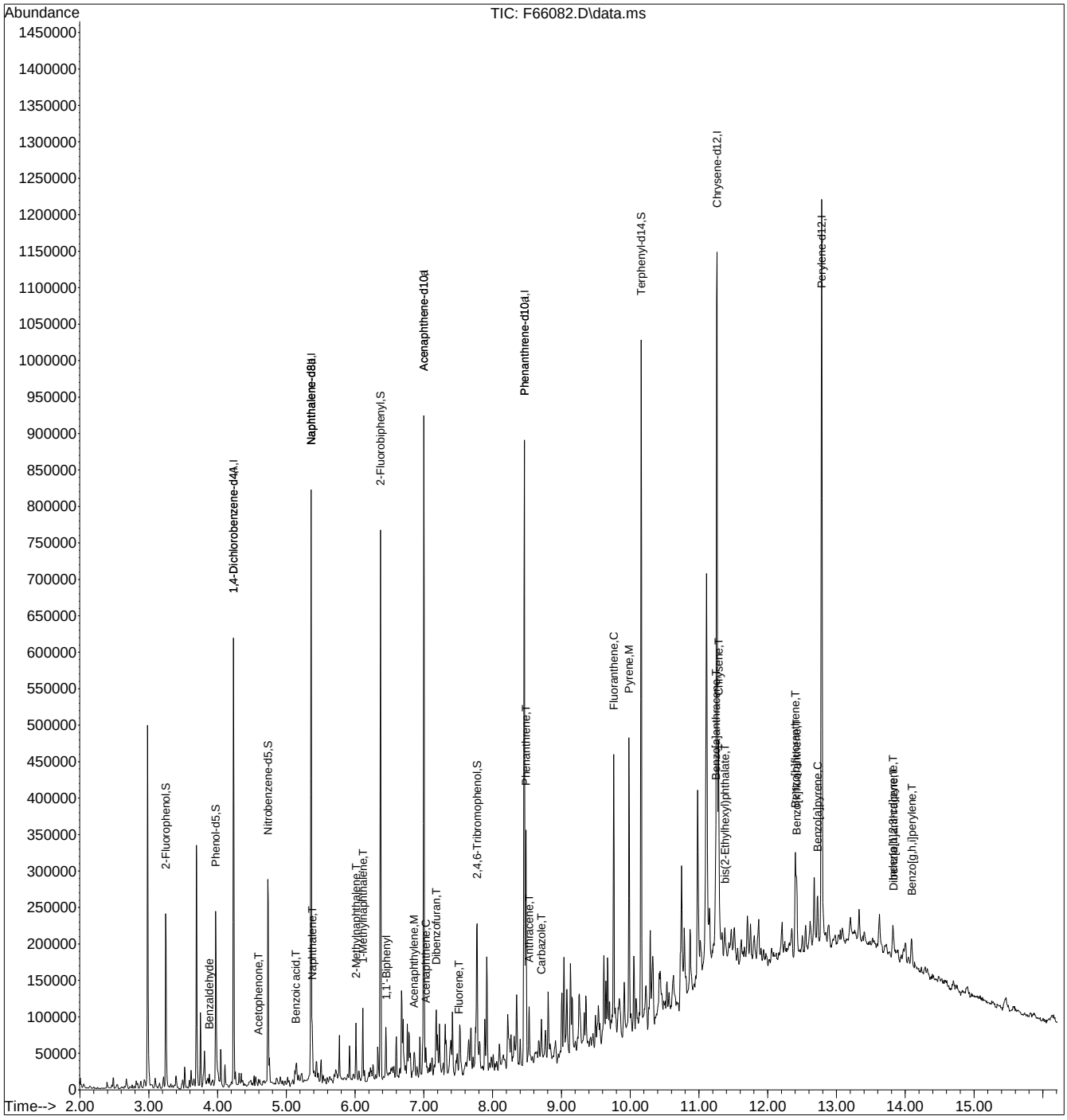
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.232	152	70608	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.232	152	70608	40.00	PPM	0.00
23) Naphthalene-d8	5.360	136	264796	40.00	ppm	0.00
41) Naphthalene-d8a	5.360	136	264796	40.00	ppm	0.00
43) Acenaphthene-d10	6.999	164	162680	40.00	ppm	0.00
65) Acenaphthene-d10a	6.999	164	162680	40.00	ppm	0.00
67) Phenanthrene-d10	8.462	188	285747	40.00	ppm	0.00
80) Phenanthrene-d10a	8.462	188	285747	40.00	ppm	0.00
82) Chrysene-d12	11.264	240	341960	40.00	ppm	0.01
92) Perylene-d12	12.785	264	370002	40.00	ppm	0.01
100) Naphthalene-d8b	5.360	136	264796	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.245	112	53855	26.16	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 26.16%#			
7) Phenol-d5	3.974	99	75487	28.81	ppm	0.03
Spiked Amount 100.000	Range 30 - 130		Recovery = 28.81%#			
24) Nitrobenzene-d5	4.732	82	81117	32.76	ppm	-0.01
Spiked Amount 50.000	Range 30 - 130		Recovery = 65.52%			
48) 2-Fluorobiphenyl	6.371	172	182284	33.29	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 66.58%			
71) 2,4,6-Tribromophenol	7.774	330	23218	25.35	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 25.35%#			
85) Terphenyl-d14	10.160	244	263882	36.34	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 72.68%			
Target Compounds						Qvalue
16) Acetophenone	4.596	105	1749	0.55	ppm	83
22) Benzaldehyde	3.880	77	2663	1.55	ppm #	79
30) Benzoic acid	5.137	105	6002	3.37	ppm	87
33) Naphthalene	5.378	128	21925	3.35	ppm	94
38) 2-Methylnaphthalene	6.012	142	16412	3.62	ppm	97
39) 1-Methylnaphthalene	6.112	142	18501	4.21	ppm	98
50) Acenaphthylene	6.858	152	10166	1.45	ppm	96
53) Acenaphthene	7.028	153	5043	1.14	ppm	93
55) Dibenzofuran	7.181	168	17335	2.61	ppm	89
59) Fluorene	7.510	166	4212m	0.82	ppm	
66) 1,1'-Biphenyl	6.453	154	5335	0.95	ppm	99
75) Phenanthrene	8.485	178	110650	14.97	ppm	99
76) Anthracene	8.532	178	26989	3.52	ppm	99
77) Carbazole	8.709	167	19947	2.98	ppm	99
79) Fluoranthene	9.760	202	140687	18.32	ppm	98
84) Pyrene	9.983	202	121641	12.96	ppm	99
89) Benzo[a]anthracene	11.246	228	50837	5.78	ppm	90
90) Chrysene	11.287	228	86216	10.02	ppm	96
91) bis(2-Ethylhexyl)phtha...	11.376	149	3229	0.68	ppm	94
94) Benzo[b]fluoranthene	12.404	252	58049m	5.78	ppm	
95) Benzo[k]fluoranthene	12.421	252	46066m	4.30	ppm	
96) Benzo[a]pyrene	12.727	252	33375	3.58	ppm	90
97) Indeno[1,2,3-cd]pyrene	13.819	276	23404	2.01	ppm	89
98) Dibenz[a,h]anthracene	13.831	278	7996m	0.89	ppm	
99) Benzo[g,h,i]perylene	14.095	276	22979	2.33	ppm	89

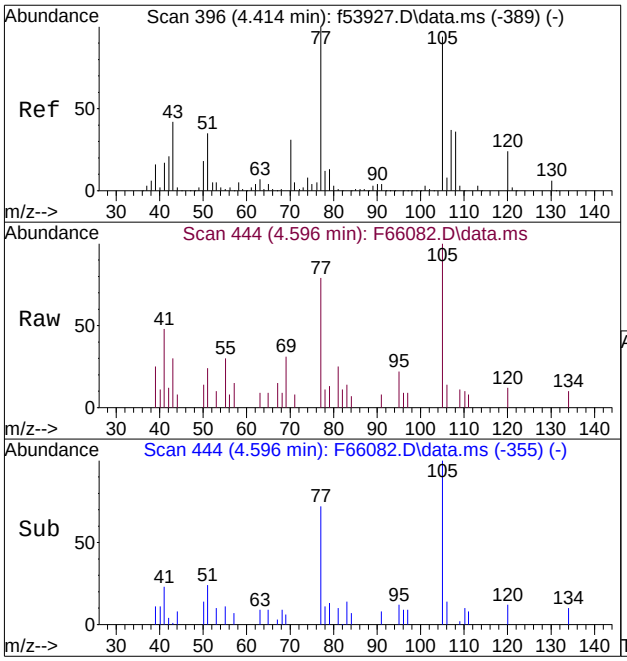
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66082.D
Acq On : 9 Aug 2013 6:16 pm
Operator : KRISTINR
Sample : MC23272-3
Misc : OP34292,MSF3058,20.29,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 16:52:15 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

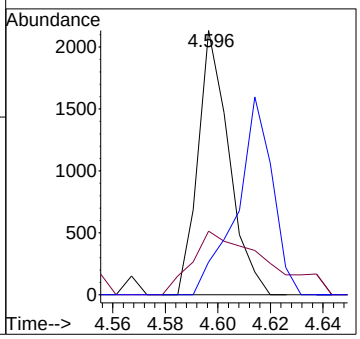


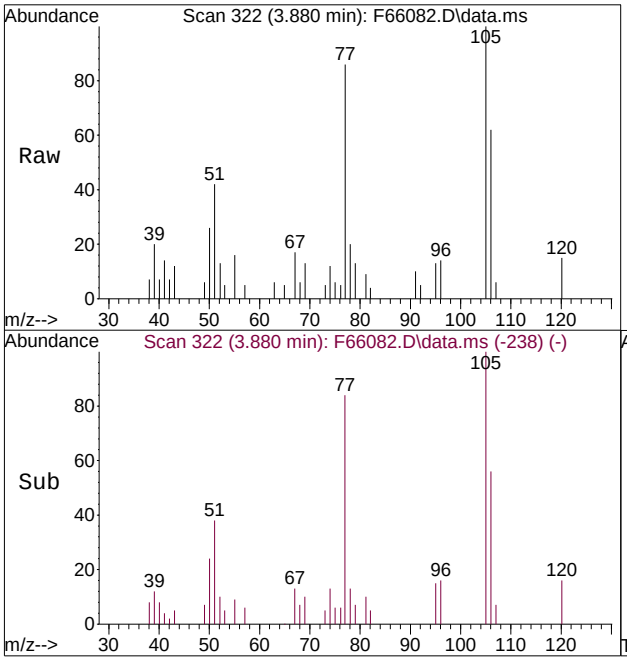


#16
Acetophenone
Concen: 0.55 ppm
RT: 4.596 min Scan# 444
Delta R.T. 0.025 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:105 Resp: 1749

Ion	Ratio	Lower	Upper
105	100		
51	24.0	0.0	59.6
120	12.4	0.0	54.9

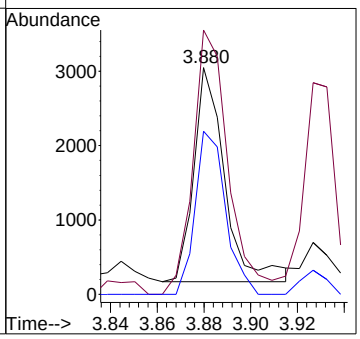


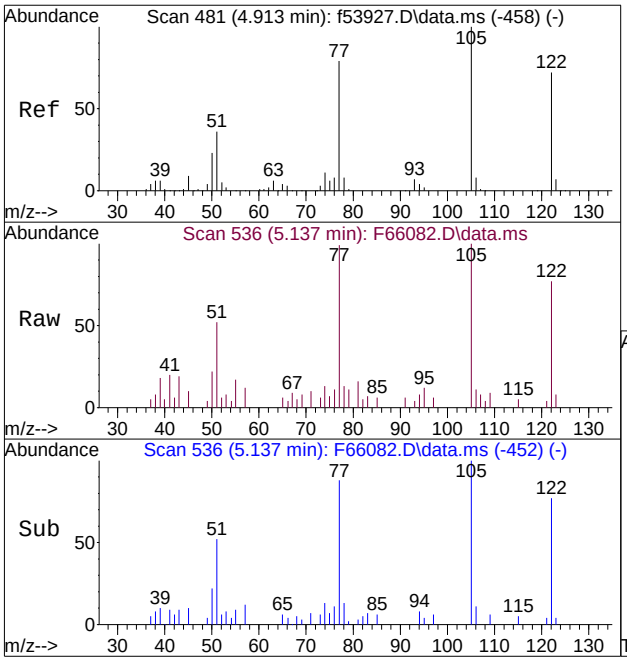


#22
Benzaldehyde
Concen: 1.55 ppm
RT: 3.880 min Scan# 322
Delta R.T. -0.006 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion: 77 Resp: 2663

Ion	Ratio	Lower	Upper
77	100		
105	123.6	77.8	116.6#
106	76.2	72.6	108.8

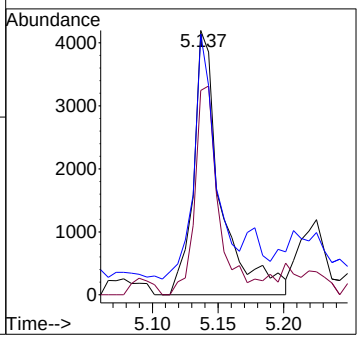


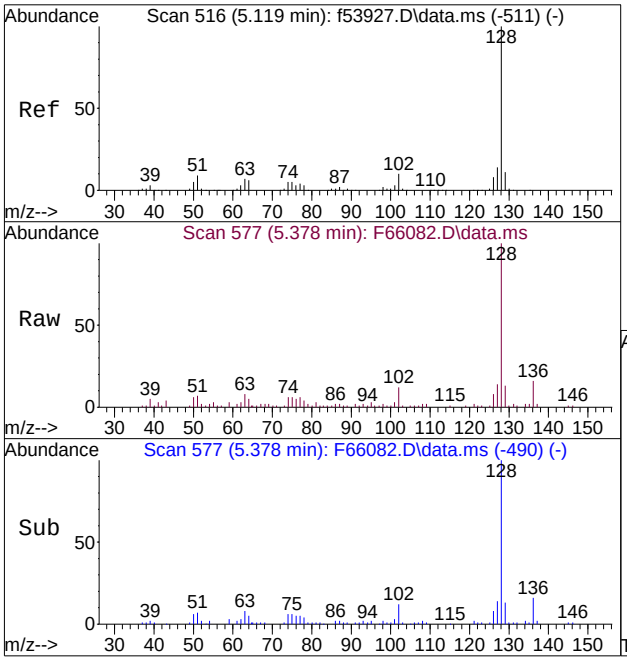


#30
Benzoic acid
Concen: 3.37 ppm
RT: 5.137 min Scan# 536
Delta R.T. -0.004 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:105 Resp: 6002

Ion	Ratio	Lower	Upper
105	100		
122	77.3	55.8	115.8
77	92.7	47.2	107.2

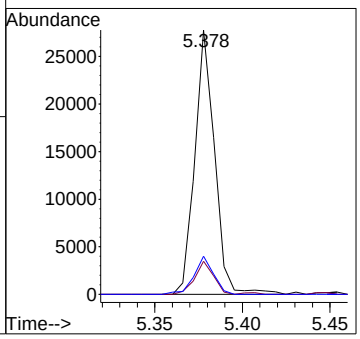


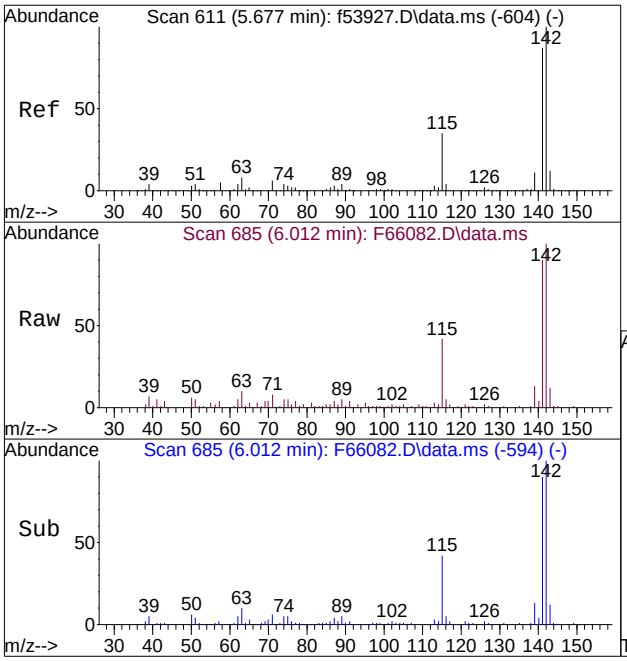


#33
Naphthalene
Concen: 3.35 ppm
RT: 5.378 min Scan# 577
Delta R.T. 0.010 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:128 Resp: 21925

Ion	Ratio	Lower	Upper
128	100		
129	12.5	0.0	40.1
127	14.4	0.0	42.3

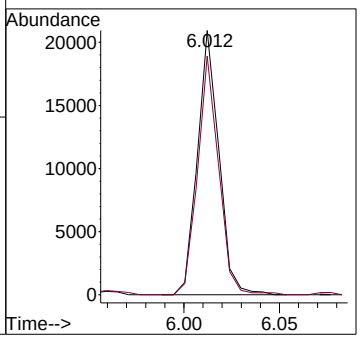


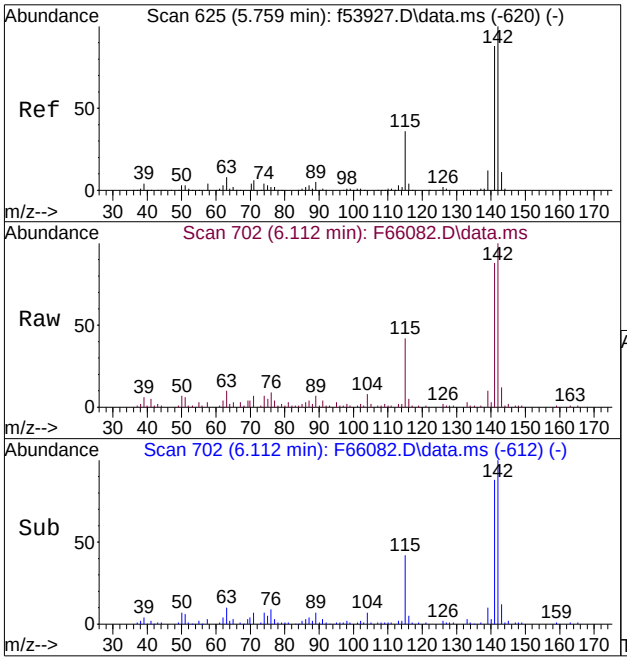


#38
2-Methylnaphthalene
Concen: 3.62 ppm
RT: 6.012 min Scan# 685
Delta R.T. 0.033 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:142 Resp: 16412

Ion	Ratio	Lower	Upper
142	100		
141	90.3	57.2	117.2

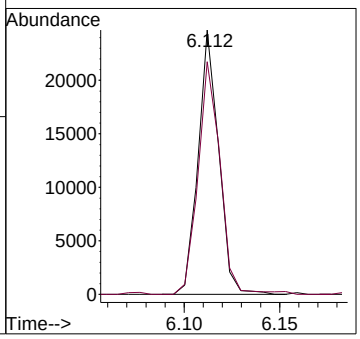


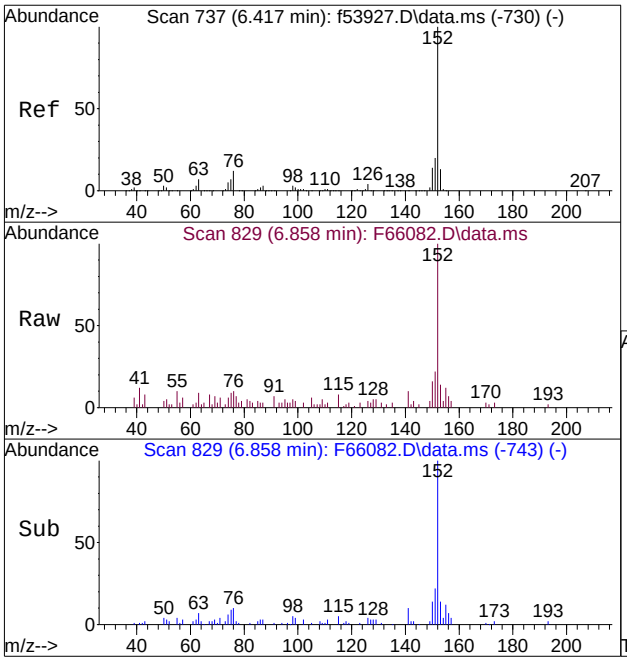


#39
1-Methylnaphthalene
Concen: 4.21 ppm
RT: 6.112 min Scan# 702
Delta R.T. 0.032 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:142 Resp: 18501

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.0	110.0

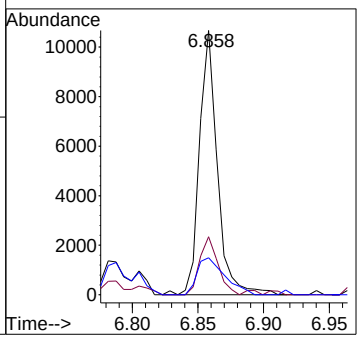


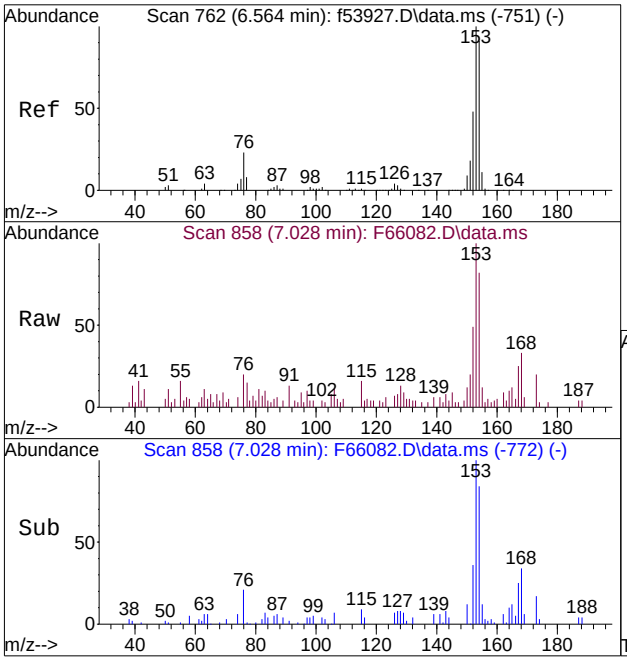


#50
Acenaphthylene
Concen: 1.45 ppm
RT: 6.858 min Scan# 829
Delta R.T. 0.004 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:152 Resp: 10166

Ion	Ratio	Lower	Upper
152	100		
151	22.0	0.0	49.3
153	14.1	0.0	43.4

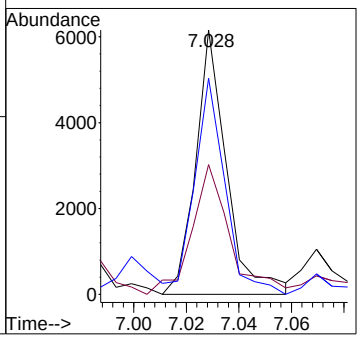


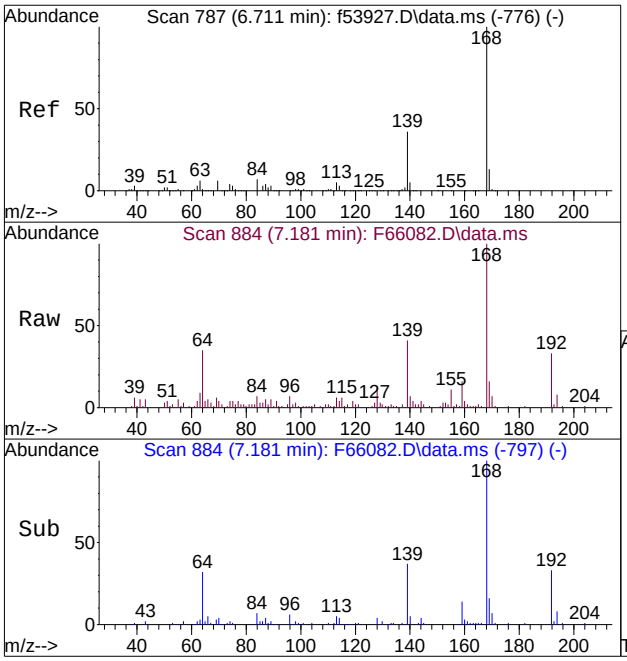


#53
Acenaphthene
Concen: 1.14 ppm
RT: 7.028 min Scan# 858
Delta R.T. 0.003 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:153 Resp: 5043

Ion	Ratio	Lower	Upper
153	100		
152	46.6	15.5	75.5
154	81.7	60.3	120.3

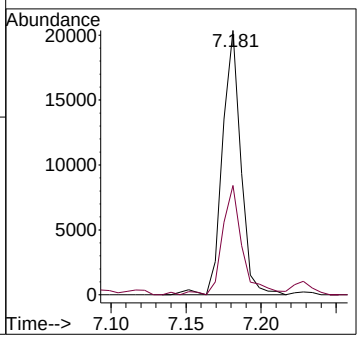


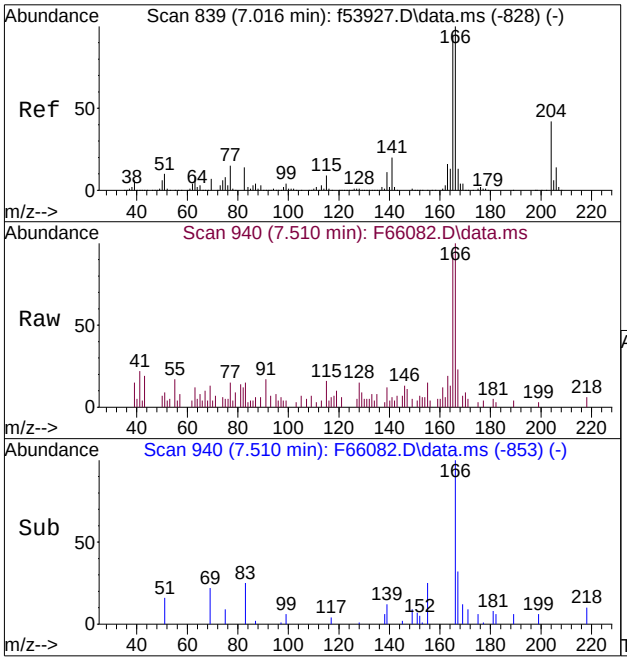


#55
Dibenzofuran
Concen: 2.61 ppm
RT: 7.181 min Scan# 884
Delta R.T. 0.008 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:168 Resp: 17335

Ion	Ratio	Lower	Upper
168	100		
139	41.3	5.2	65.2

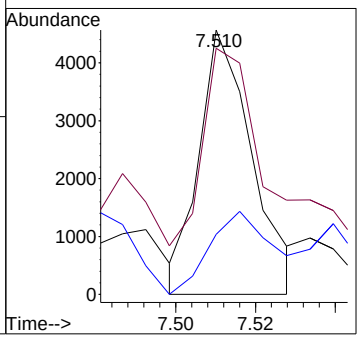


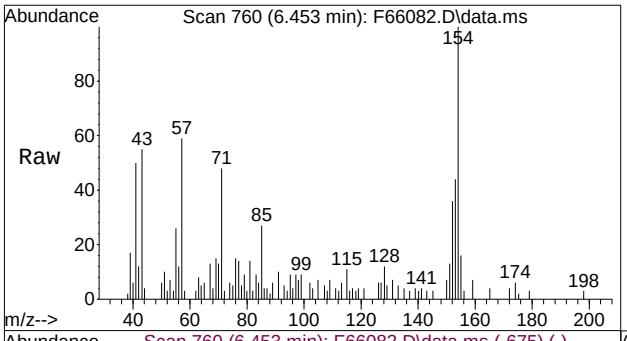


#59
Fluorene
Concen: 0.82 ppm m
RT: 7.510 min Scan# 940
Delta R.T. 0.012 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:166 Resp: 4212

Ion	Ratio	Lower	Upper
166	100		
165	93.1	65.2	125.2
167	22.7	0.0	43.9

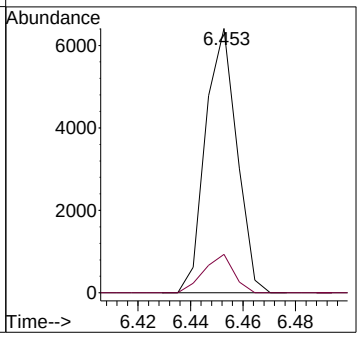


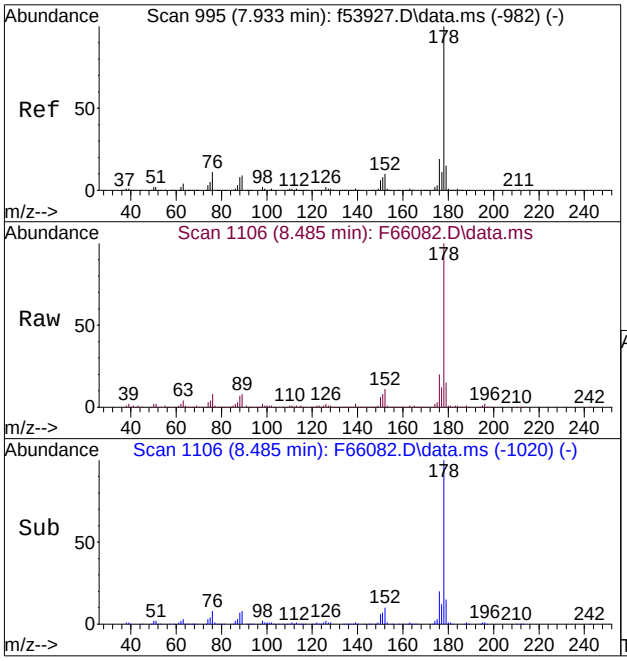


#66
1,1'-Biphenyl
Concen: 0.95 ppm
RT: 6.453 min Scan# 760
Delta R.T. -0.001 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:154 Resp: 5335

Ion	Ratio	Lower	Upper
154	100		
76	14.6	11.3	16.9

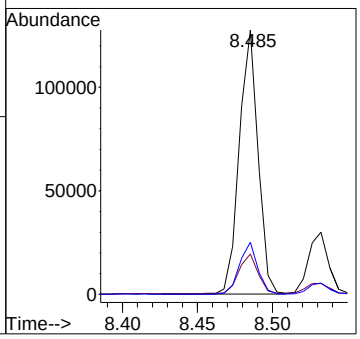


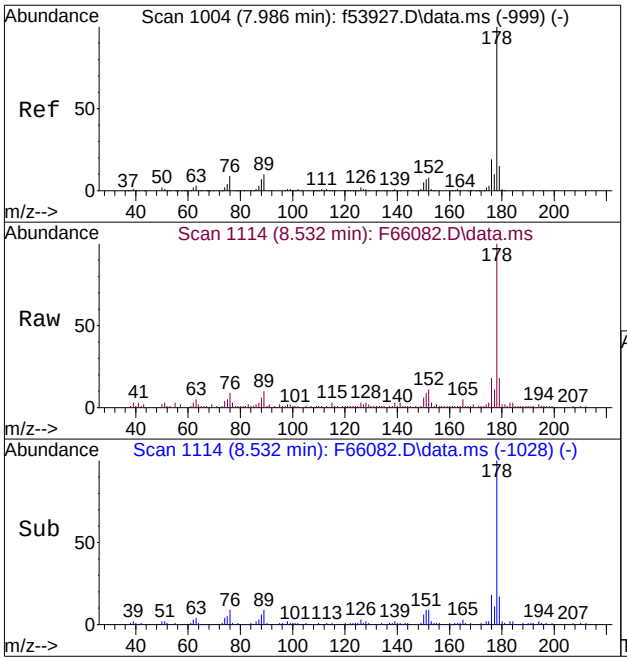


#75
Phenanthrene
Concen: 14.97 ppm
RT: 8.485 min Scan# 1106
Delta R.T. 0.004 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:178 Resp: 110650

Ion	Ratio	Lower	Upper
178	100		
179	15.1	0.0	45.2
176	19.6	0.0	48.6

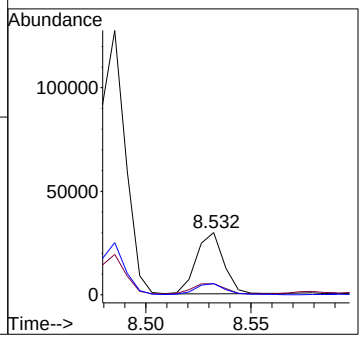


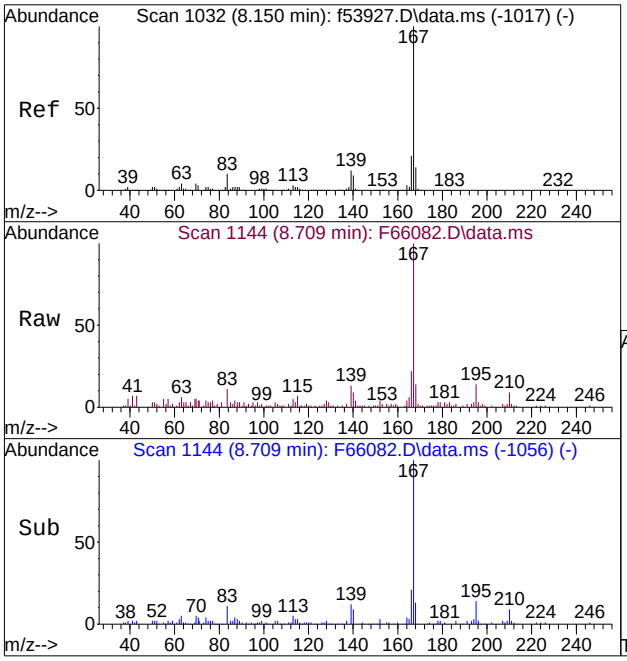


#76
Anthracene
Concen: 3.52 ppm
RT: 8.532 min Scan# 1114
Delta R.T. 0.005 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:178 Resp: 26989

Ion	Ratio	Lower	Upper
178	100		
179	16.3	0.0	45.9
176	18.6	0.0	48.6

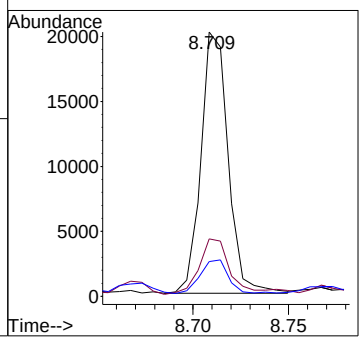


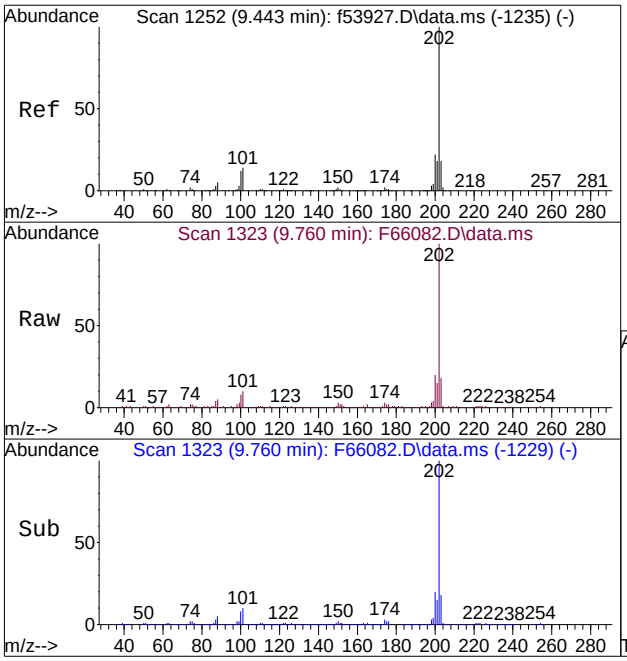


#77
Carbazole
Concen: 2.98 ppm
RT: 8.709 min Scan# 1144
Delta R.T. 0.015 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:167 Resp: 19947

Ion	Ratio	Lower	Upper
167	100		
166	21.2	0.0	50.4
139	11.8	0.0	41.6

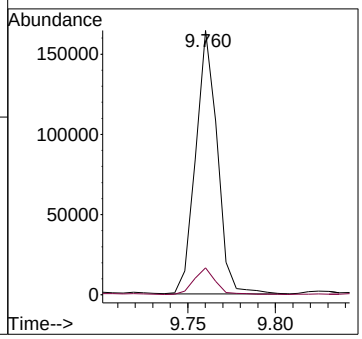


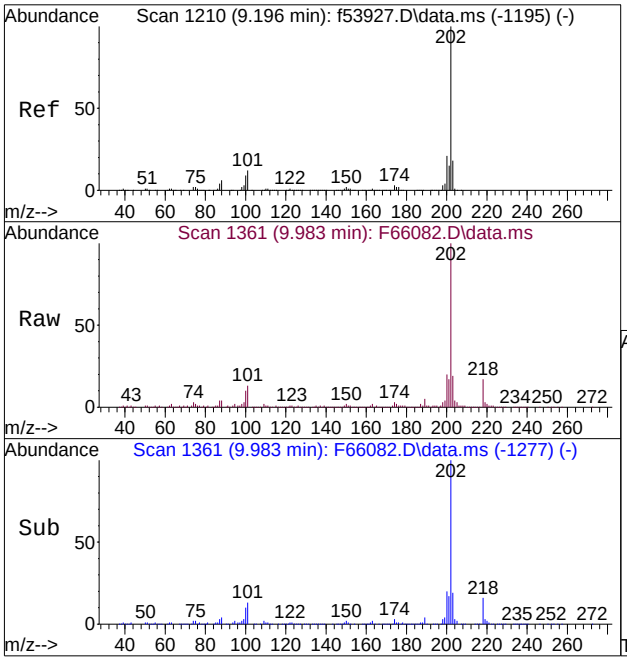


#79
Fluoranthene
Concen: 18.32 ppm
RT: 9.760 min Scan# 1323
Delta R.T. 0.055 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:202 Resp: 140687

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	41.0

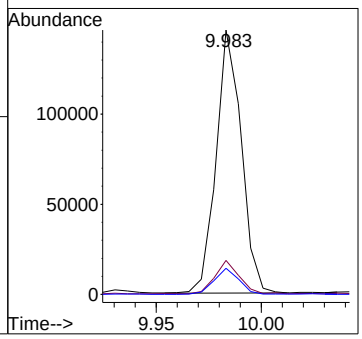


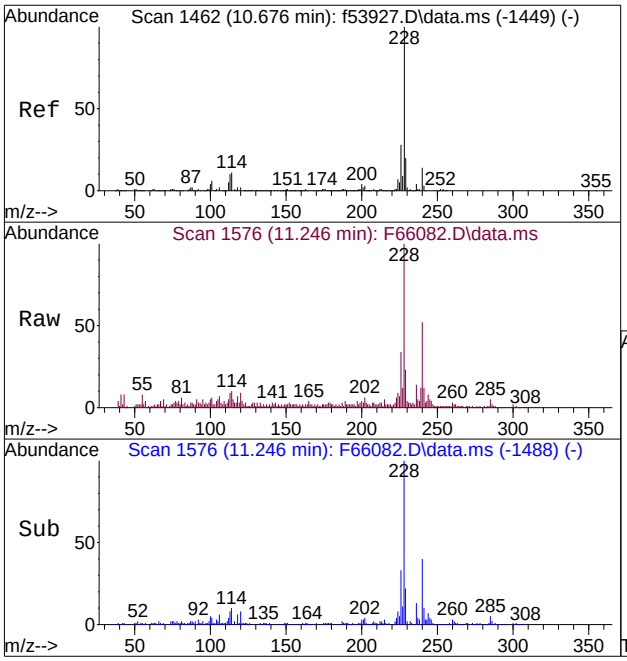


#84
Pyrene
Concen: 12.96 ppm
RT: 9.983 min Scan# 1361
Delta R.T. -0.005 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:202 Resp: 121641

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	43.1
100	10.0	0.0	40.6

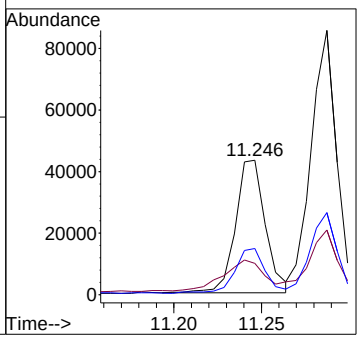


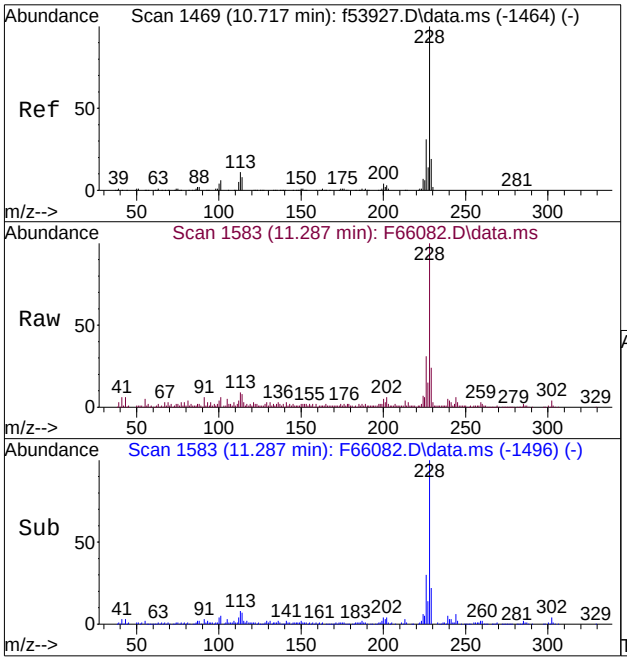


#89
Benzo[a]anthracene
Concen: 5.78 ppm
RT: 11.246 min Scan# 1576
Delta R.T. 0.015 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:228 Resp: 50837

Ion	Ratio	Lower	Upper
228	100		
229	20.5	0.0	49.1
226	33.6	0.0	56.0

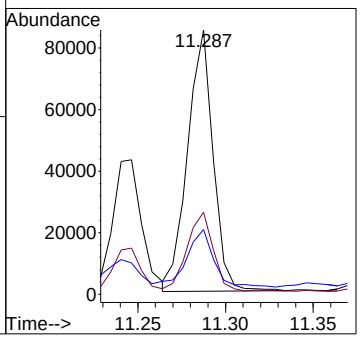


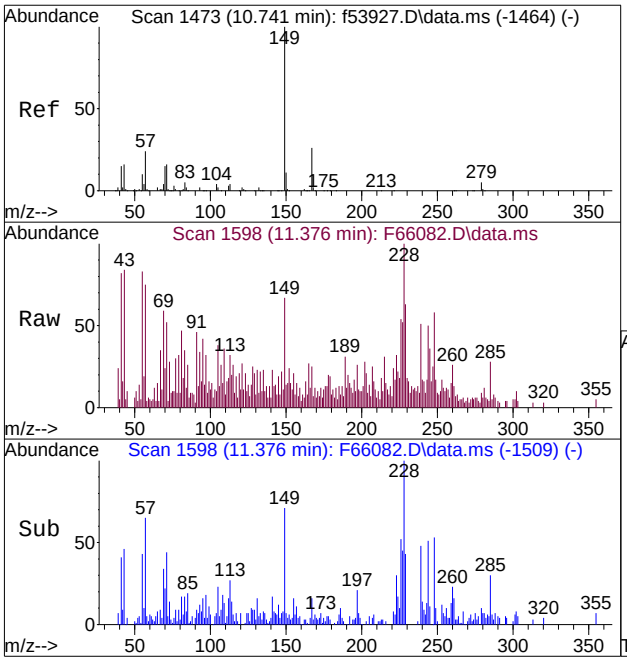


#90
Chrysene
Concen: 10.02 ppm
RT: 11.287 min Scan# 1583
Delta R.T. 0.010 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:228 Resp: 86216

Ion	Ratio	Lower	Upper
228	100		
226	30.2	0.0	59.0
229	21.4	0.0	48.7

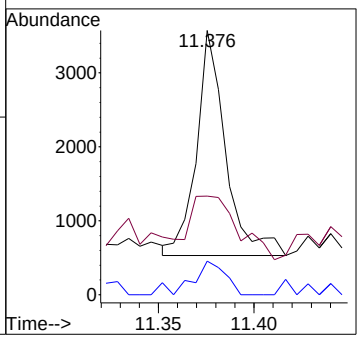


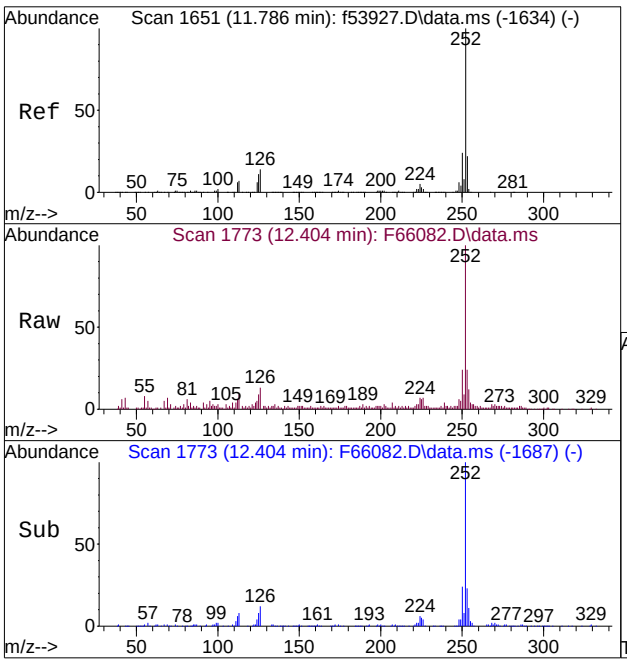


#91
bis(2-Ethylhexyl)phthalate
Concen: 0.68 ppm
RT: 11.376 min Scan# 1598
Delta R.T. 0.023 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:149 Resp: 3229

Ion	Ratio	Lower	Upper
149	100		
167	26.2	0.0	58.7
279	9.5	0.0	35.2

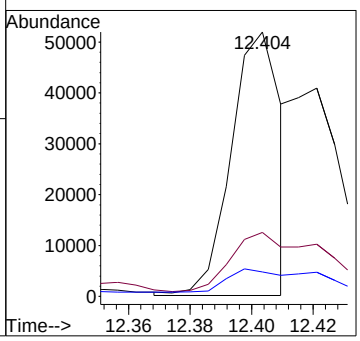


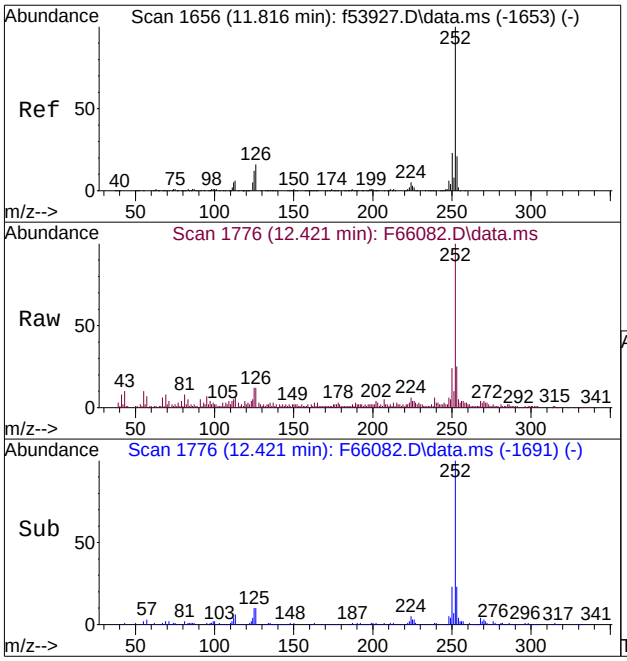


#94
Benzo[b]fluoranthene
Concen: 5.78 ppm m
RT: 12.404 min Scan# 1773
Delta R.T. 0.008 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:252 Resp: 58049

Ion	Ratio	Lower	Upper
252	100		
253	24.2	0.0	50.9
125	9.2	0.0	41.8

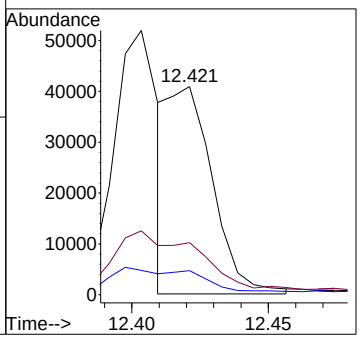


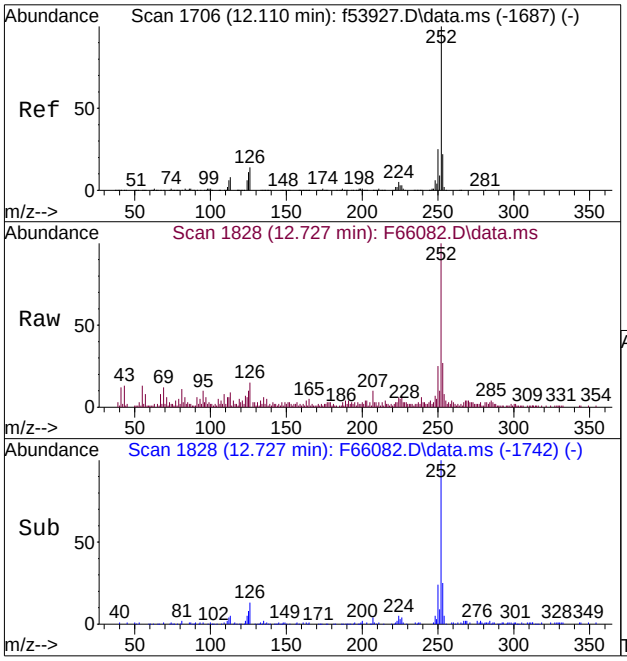


#95
Benzo[k]fluoranthene
Concen: 4.30 ppm m
RT: 12.421 min Scan# 1776
Delta R.T. -0.003 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:252 Resp: 46066

Ion	Ratio	Lower	Upper
252	100		
253	25.1	0.0	51.4
125	11.5	0.0	42.0

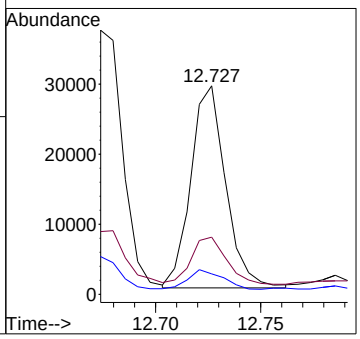


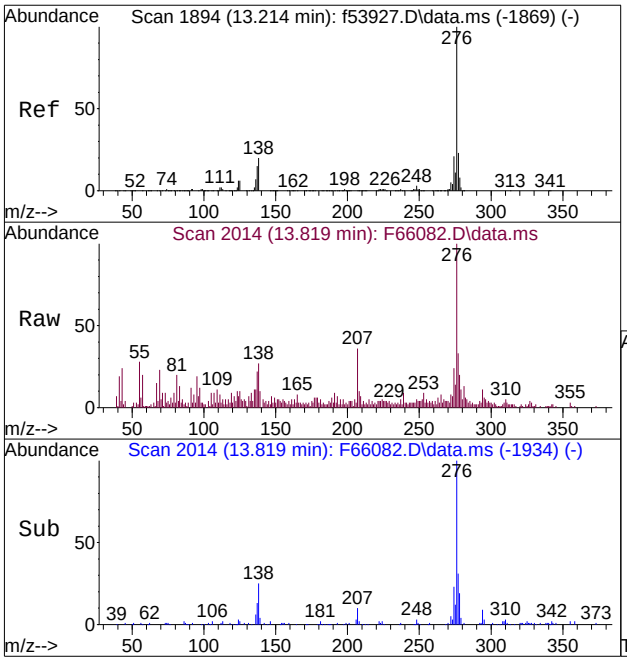


#96
Benzo[a]pyrene
Concen: 3.58 ppm
RT: 12.727 min Scan# 1828
Delta R.T. 0.007 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:252 Resp: 33375

Ion	Ratio	Lower	Upper
252	100		
253	23.6	0.0	50.5
125	7.5	0.0	43.2

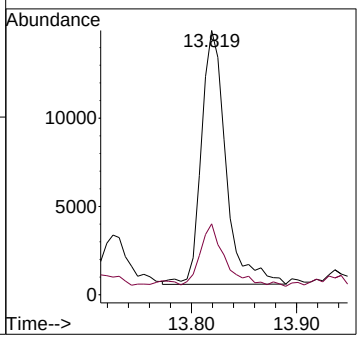


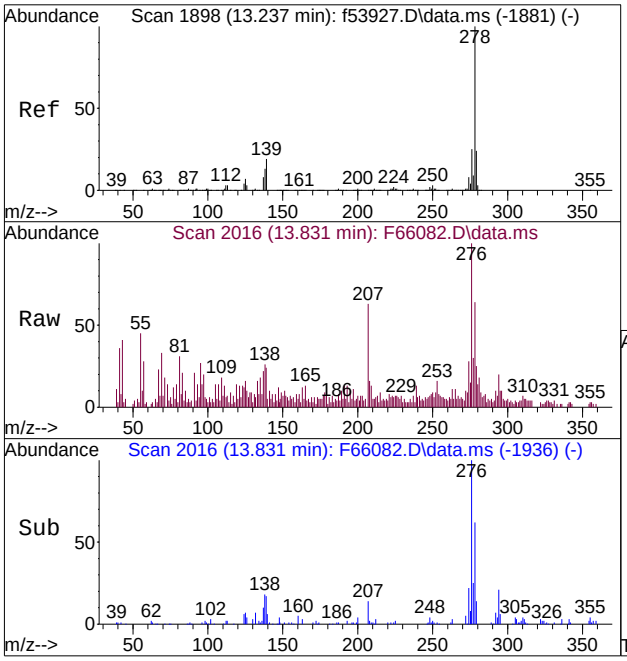


#97
Indeno[1,2,3-cd]pyrene
Concen: 2.01 ppm
RT: 13.819 min Scan# 2014
Delta R.T. -0.030 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:276 Resp: 23404

Ion	Ratio	Lower	Upper
276	100		
138	24.7	0.6	60.6

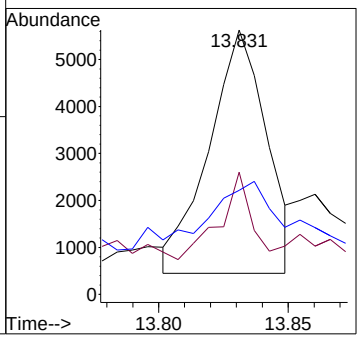


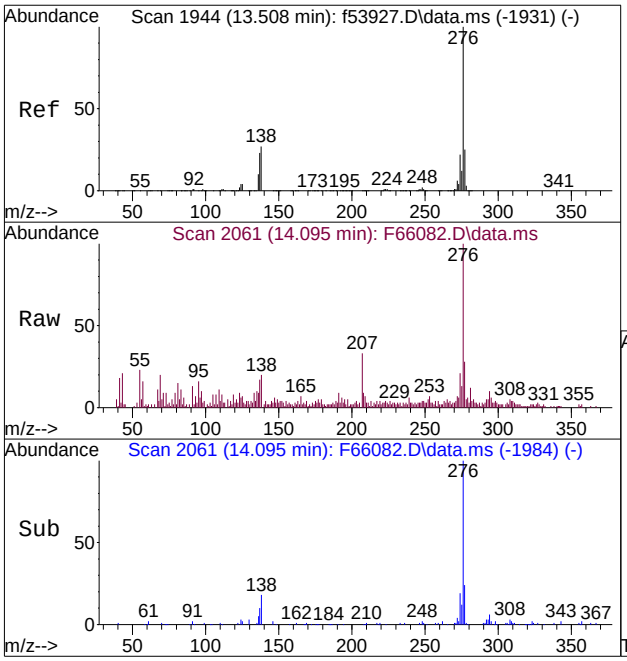


#98
Dibenz[a,h]anthracene
Concen: 0.89 ppm m
RT: 13.831 min Scan# 2016
Delta R.T. -0.030 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:278 Resp: 7996

Ion	Ratio	Lower	Upper
278	100		
139	37.6	0.0	48.9
279	39.4	0.0	54.2

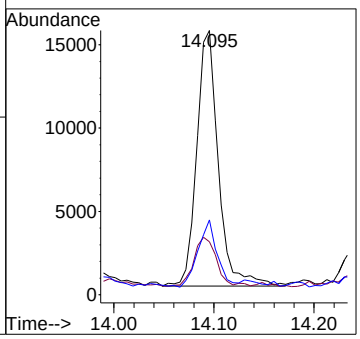




#99
Benzo[g,h,i]perylene
Concen: 2.33 ppm
RT: 14.095 min Scan# 2061
Delta R.T. -0.049 min
Lab File: F66082.D
Acq: 9 Aug 2013 6:16 pm

Tgt Ion:276 Resp: 22979

Ion	Ratio	Lower	Upper
276	100		
138	17.2	0.0	55.6
277	25.6	0.0	53.3



LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66082.D
Acq On : 9 Aug 2013 6:16 pm
Operator : KRISTINR
Sample : MC23272-3
Misc : OP34292,MSF3058,20.29,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

Signal : TIC: F66082.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.981	165	169	177	rVV	498828	443009	19.08%	2.184%
2	3.245	211	214	224	rVV	240647	219474	9.45%	1.082%
3	3.692	287	290	296	rBV	330448	298219	12.85%	1.470%
4	3.751	296	300	304	rVB	102397	78959	3.40%	0.389%
5	3.809	304	310	315	rBV2	49610	65820	2.84%	0.324%
6	3.974	333	338	348	rBV	239456	255323	11.00%	1.259%
7	4.044	348	350	357	rVB	51957	49467	2.13%	0.244%
8	4.109	357	361	371	rVB2	31321	35155	1.51%	0.173%
9	4.232	371	382	391	rBV	616609	506835	21.83%	2.499%
10	4.732	460	467	482	rVB	280863	282965	12.19%	1.395%
11	5.149	531	538	541	rBV4	29387	59082	2.54%	0.291%
12	5.360	564	574	585	rBV	810805	699331	30.12%	3.447%
13	5.436	585	587	595	rVB3	27806	40119	1.73%	0.198%
14	5.718	628	635	640	rBV9	18772	46392	2.00%	0.229%
15	5.771	640	644	653	rVB	60988	52985	2.28%	0.261%
16	6.012	682	685	690	rVB	78164	64876	2.79%	0.320%
17	6.112	697	702	712	rVB	100900	96132	4.14%	0.474%
18	6.329	736	739	743	rBV2	43116	41566	1.79%	0.205%
19	6.371	743	746	751	rVB	753851	555612	23.93%	2.739%
20	6.447	755	759	765	rBV2	69341	66415	2.86%	0.327%
21	6.600	782	785	791	rVB	56522	52876	2.28%	0.261%
22	6.676	791	798	807	rBV	119542	217603	9.37%	1.073%
23	6.758	810	812	814	rBV	68264	55200	2.38%	0.272%
24	6.782	814	816	823	rVB	62541	90727	3.91%	0.447%
25	6.864	823	830	833	rBV3	35112	58201	2.51%	0.287%
26	6.940	840	843	847	rBV	55776	50197	2.16%	0.247%
27	6.999	847	853	857	rBV	903383	747244	32.19%	3.684%
28	7.181	876	884	889	rBV2	89842	154143	6.64%	0.760%
29	7.228	889	892	897	rVB2	66772	60575	2.61%	0.299%
30	7.310	903	906	912	rBV2	70020	98162	4.23%	0.484%
31	7.393	913	920	922	rBV3	45109	76284	3.29%	0.376%
32	7.416	922	924	929	rVB3	87304	78912	3.40%	0.389%
33	7.487	929	936	938	rBV5	30011	50347	2.17%	0.248%
34	7.522	938	942	951	rVB2	68958	97323	4.19%	0.480%
35	7.651	959	964	967	rVV3	40501	58960	2.54%	0.291%
36	7.686	967	970	973	rVV	56211	60603	2.61%	0.299%
37	7.774	977	985	989	rVV2	198782	282092	12.15%	1.391%
38	7.810	989	991	997	rVB3	36905	37923	1.63%	0.187%
39	7.886	1001	1004	1006	rBV	70080	61454	2.65%	0.303%
40	7.915	1006	1009	1013	rVB2	155994	157207	6.77%	0.775%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66082.D
Acq On : 9 Aug 2013 6:16 pm
Operator : KRISTINR
Sample : MC23272-3
Misc : OP34292,MSF3058,20.29,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

41	8.098	1037	1040	1044	rBV2	36685	49791	2.14%	0.245%
42	8.156	1045	1050	1057	rVB9	19207	47583	2.05%	0.235%
43	8.221	1057	1061	1067	rBV4	74376	139617	6.01%	0.688%
44	8.268	1067	1069	1072	rVV	41078	37448	1.61%	0.185%
45	8.315	1072	1077	1080	rVV2	38245	59772	2.57%	0.295%
46	8.350	1080	1083	1089	rVB3	96159	101698	4.38%	0.501%
47	8.462	1097	1102	1109	rBV2	858102	1064419	45.85%	5.247%
48	8.532	1110	1114	1120	rVB	73857	79872	3.44%	0.394%
49	8.709	1141	1144	1149	rVV2	53215	55421	2.39%	0.273%
50	8.767	1149	1154	1158	rVV3	38375	44548	1.92%	0.220%
51	8.808	1158	1161	1171	rVB4	91370	115039	4.96%	0.567%
52	8.914	1174	1179	1183	rVB5	31776	51284	2.21%	0.253%
53	9.008	1188	1195	1197	rVV	90453	101731	4.38%	0.501%
54	9.037	1197	1200	1203	rVV	135986	139604	6.01%	0.688%
55	9.079	1203	1207	1213	rVB2	88925	109582	4.72%	0.540%
56	9.131	1213	1216	1219	rBV	122937	132225	5.70%	0.652%
57	9.155	1219	1220	1225	rVV	71812	66548	2.87%	0.328%
58	9.261	1231	1238	1244	rBV5	77687	155194	6.68%	0.765%
59	9.355	1252	1254	1262	rVB2	70065	80848	3.48%	0.399%
60	9.496	1275	1278	1281	rBV	44880	49606	2.14%	0.245%
61	9.537	1281	1285	1292	rVB	52947	94092	4.05%	0.464%
62	9.619	1292	1299	1302	rBV	121617	149126	6.42%	0.735%
63	9.648	1302	1304	1306	rVV	68124	59690	2.57%	0.294%
64	9.672	1306	1308	1311	rVV2	98906	89372	3.85%	0.441%
65	9.760	1318	1323	1331	rVB	381311	370348	15.95%	1.826%
66	9.842	1331	1337	1344	rVB5	53458	127513	5.49%	0.629%
67	9.913	1344	1349	1356	rBV5	75973	117152	5.05%	0.578%
68	9.983	1356	1361	1369	rVB	402875	385714	16.61%	1.901%
69	10.054	1369	1373	1376	rBV	103208	104644	4.51%	0.516%
70	10.089	1376	1379	1384	rBV2	42014	60754	2.62%	0.299%
71	10.160	1385	1391	1397	rVV	941764	826790	35.61%	4.076%
72	10.230	1398	1403	1407	rVB6	60799	113112	4.87%	0.558%
73	10.295	1407	1414	1416	rBV2	136385	180489	7.77%	0.890%
74	10.330	1416	1420	1424	rVB3	93460	143121	6.16%	0.706%
75	10.436	1431	1438	1445	rBV4	56255	133128	5.73%	0.656%
76	10.535	1452	1455	1458	rBV	36781	35527	1.53%	0.175%
77	10.629	1466	1471	1485	rVB9	49268	130537	5.62%	0.643%
78	10.747	1485	1491	1495	rBV3	199508	315805	13.60%	1.557%
79	10.788	1495	1498	1507	rVV	89876	125137	5.39%	0.617%
80	10.870	1508	1512	1524	rVV	83100	123991	5.34%	0.611%
81	10.982	1527	1531	1536	rBV3	258939	335789	14.46%	1.655%
82	11.111	1546	1553	1558	rBV2	530725	731736	31.52%	3.607%
83	11.264	1572	1579	1595	rVB2	965137	1504977	64.82%	7.419%
84	11.376	1595	1598	1605	rVB5	38663	54172	2.33%	0.267%
85	11.516	1619	1622	1628	rVB4	42099	57126	2.46%	0.282%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66082.D
Acq On : 9 Aug 2013 6:16 pm
Operator : KRISTINR
Sample : MC23272-3
Misc : OP34292,MSF3058,20.29,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

86	11.616	1636	1639	1645	rBV6	25923	37190	1.60%	0.183%
87	11.704	1651	1654	1658	rBV	54302	66282	2.85%	0.327%
88	11.751	1659	1662	1667	rVV2	46112	49369	2.13%	0.243%
89	11.804	1667	1671	1676	rVB5	32052	48456	2.09%	0.239%
90	11.869	1677	1682	1691	rVB6	57108	108721	4.68%	0.536%
91	12.210	1737	1740	1744	rVB4	37968	38879	1.67%	0.192%
92	12.404	1768	1773	1787	rBV	144459	315706	13.60%	1.556%
93	12.550	1795	1798	1804	rBV2	36449	48798	2.10%	0.241%
94	12.674	1815	1819	1824	rBV	89552	110601	4.76%	0.545%
95	12.727	1824	1828	1832	rVV	63401	71691	3.09%	0.353%
96	12.785	1832	1838	1851	rVB	1018419	1081695	46.59%	5.332%
97	13.326	1927	1930	1977	rVV	49255	154575	6.66%	0.762%
98	13.625	1977	1981	2010	rVB	59084	187973	8.10%	0.927%
99	13.819	2011	2014	2038	rVB4	44215	88521	3.81%	0.436%
100	14.089	2057	2060	2287	rVB2	95065	2321658	100.00%	11.445%

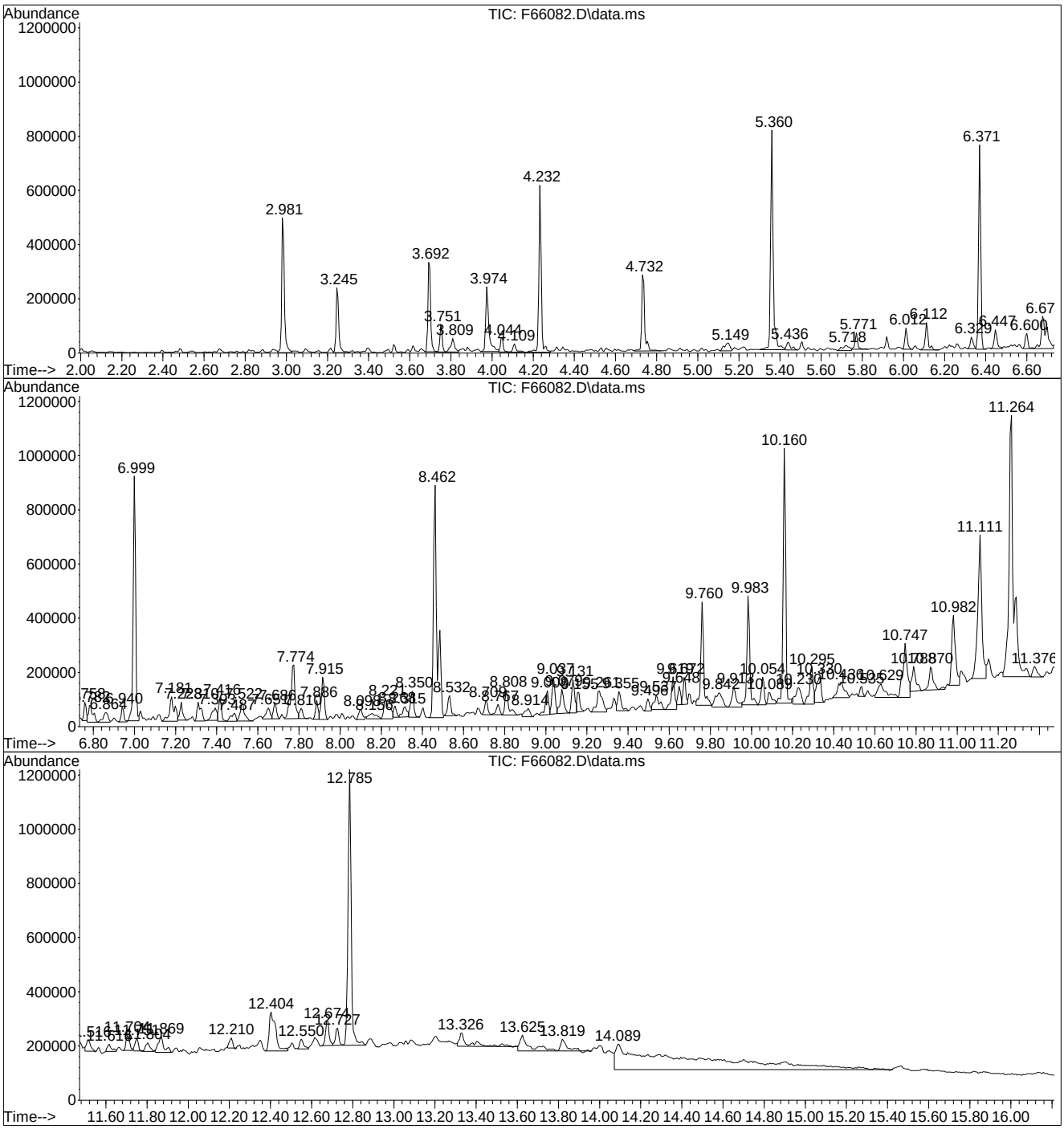
Sum of corrected areas: 20285556

LSC Report - Integrated Chromatogram

Data Path : F:\1\DATA\F130809\
Data File : F66082.D
Acq On : 9 Aug 2013 6:16 pm
Operator : KRISTINR
Sample : MC23272-3
Misc : OP34292,MSF3058,20.29,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66082.D
Acq On : 9 Aug 2013 6:16 pm
Operator : KRISTINR
Sample : MC23272-3
Misc : OP34292,MSF3058,20.29,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

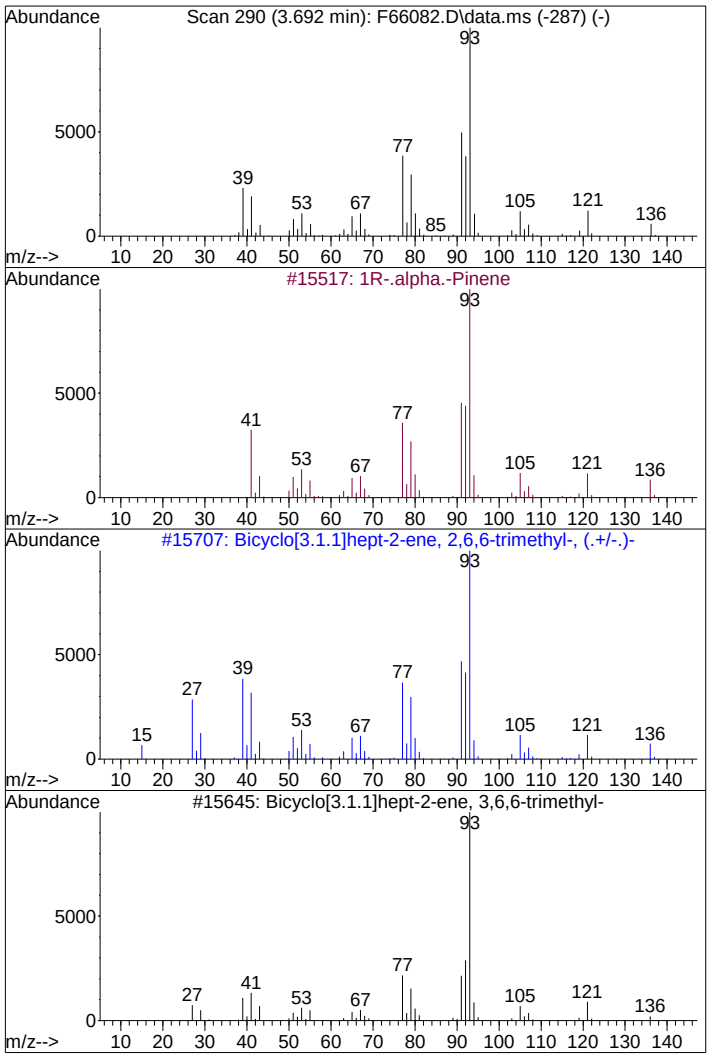
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

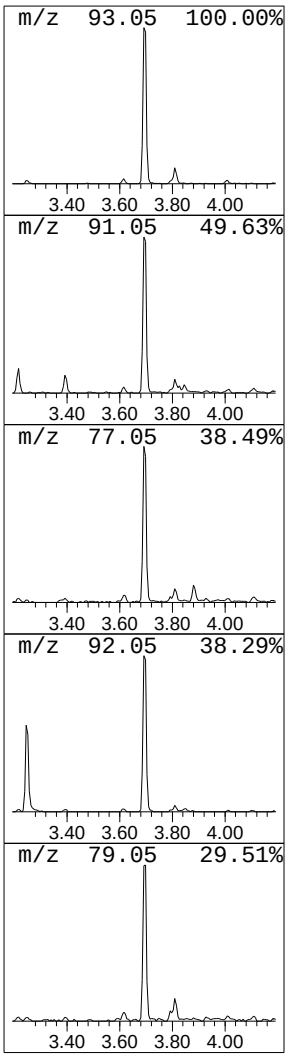
****

Peak Number 2 1R-.alpha.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.692	23.54 ppm	298219	1,4-Dichlorobenzene-d4A	4.232

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1R-.alpha.-Pinene	136	C10H16	007785-70-8	96
2	Bicyclo[3.1.1]hept-2-ene, 2,6,6-...	136	C10H16	002437-95-8	95
3	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	94
4	1,4-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-85-4	90
5	1R-.alpha.-Pinene	136	C10H16	007785-70-8	87





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66082.D
Acq On : 9 Aug 2013 6:16 pm
Operator : KRISTINR
Sample : MC23272-3
Misc : OP34292,MSF3058,20.29,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

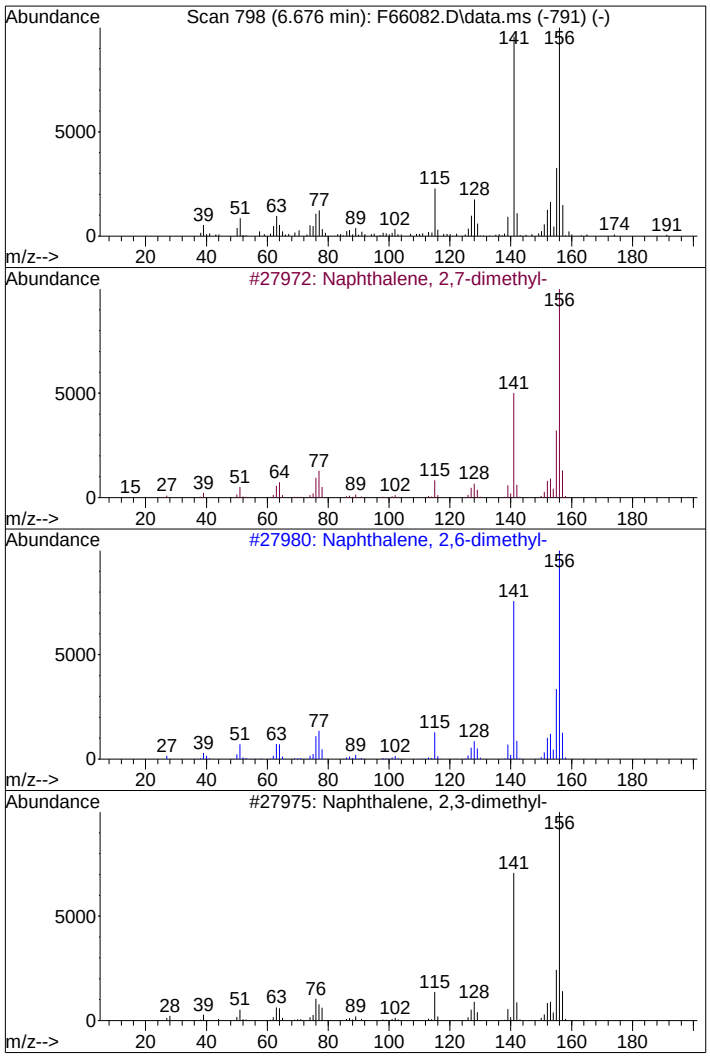
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

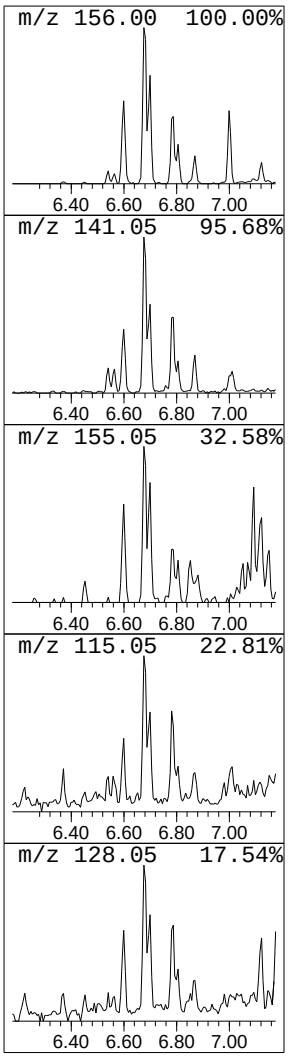
****

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.676	11.65 ppm	217603	Acenaphthene-d10	6.999

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66082.D
Acq On : 9 Aug 2013 6:16 pm
Operator : KRISTINR
Sample : MC23272-3
Misc : OP34292,MSF3058,20.29,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

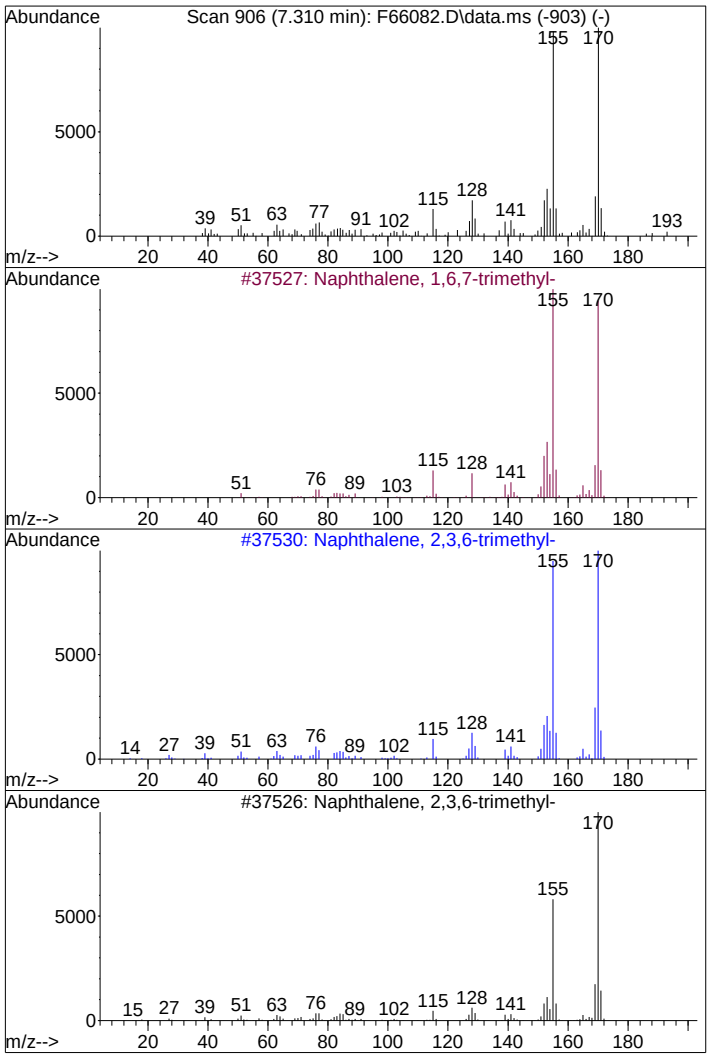
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

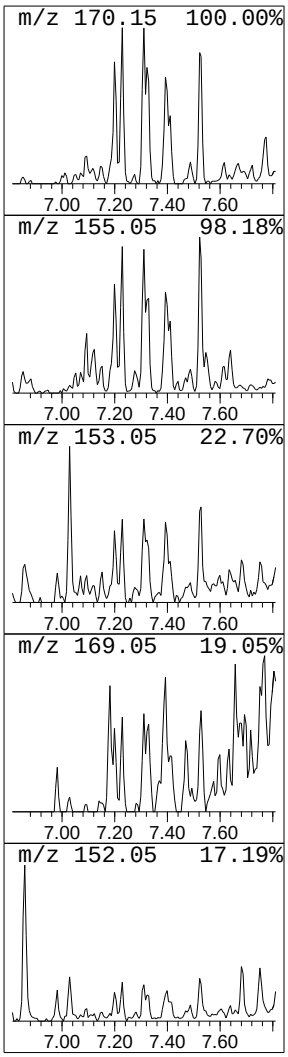
****

Peak Number 5 Naphthalene, 1,6,7-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.310	5.25 ppm	98162	Acenaphthene-d10a	6.999

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66082.D
Acq On : 9 Aug 2013 6:16 pm
Operator : KRISTINR
Sample : MC23272-3
Misc : OP34292,MSF3058,20.29,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

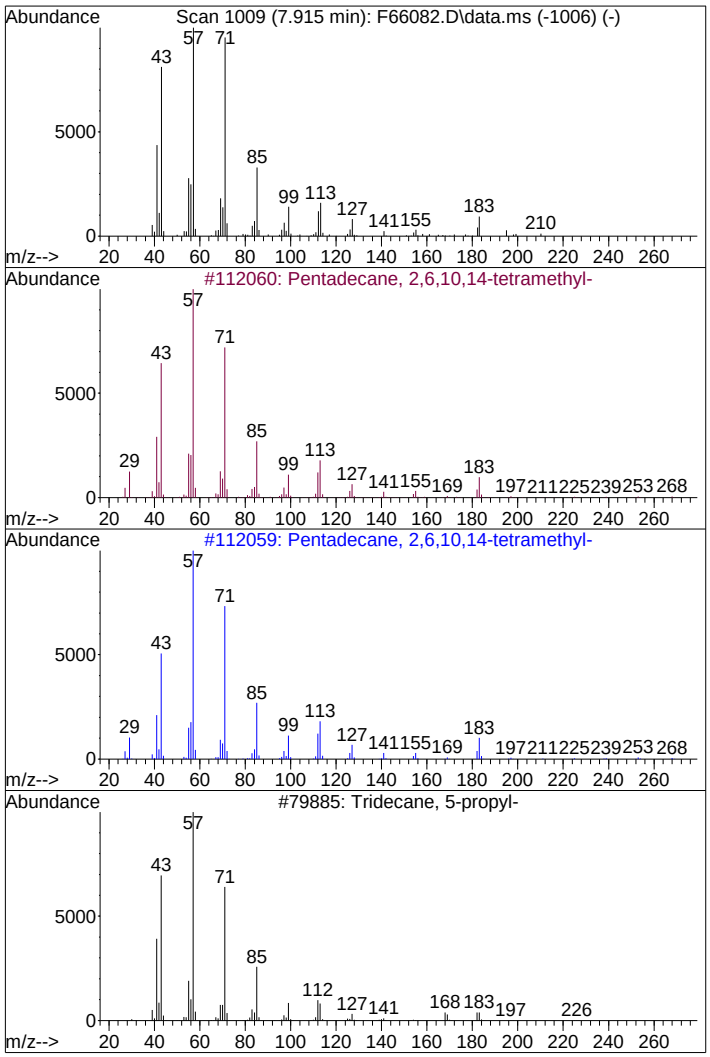
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

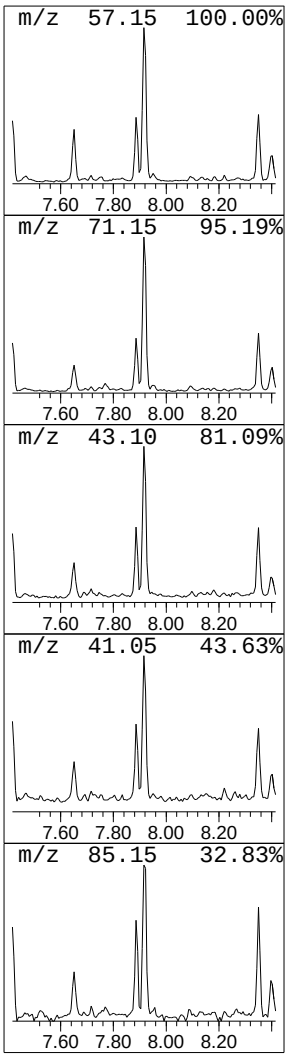
****

Peak Number 6 Pentadecane, 2,6,10,14-tetr... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.915	5.91 ppm	157207	Phenanthrene-d10	8.462

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	91
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	87
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
4	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	86
5	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	86





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66082.D
Acq On : 9 Aug 2013 6:16 pm
Operator : KRISTINR
Sample : MC23272-3
Misc : OP34292,MSF3058,20.29,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

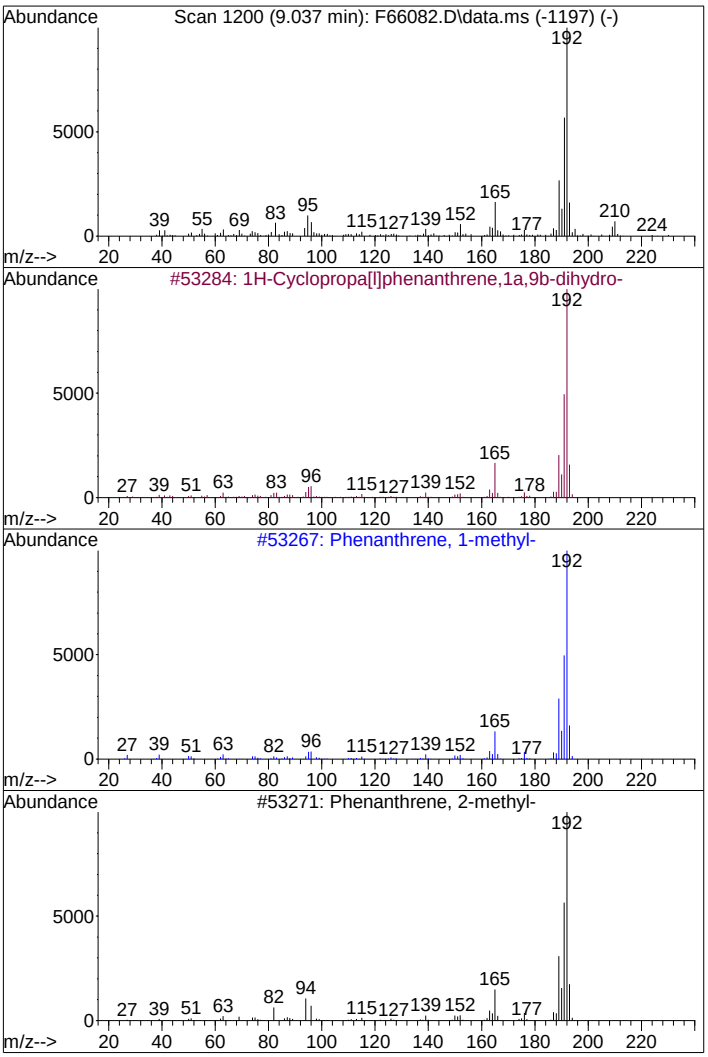
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

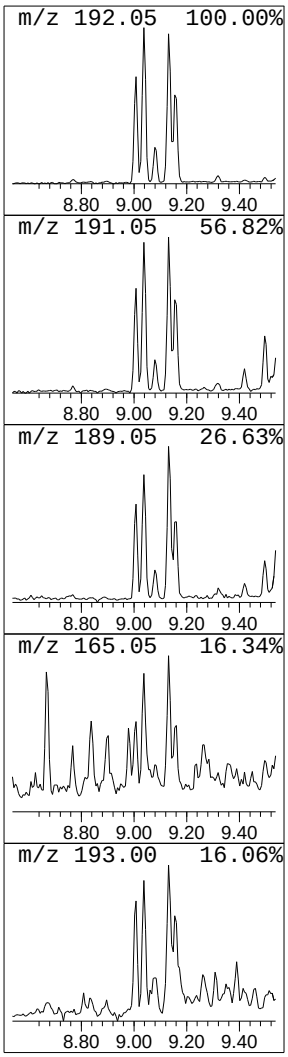
****

Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.037	5.25 ppm	139604	Phenanthrene-d10a	8.462

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66082.D
Acq On : 9 Aug 2013 6:16 pm
Operator : KRISTINR
Sample : MC23272-3
Misc : OP34292,MSF3058,20.29,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

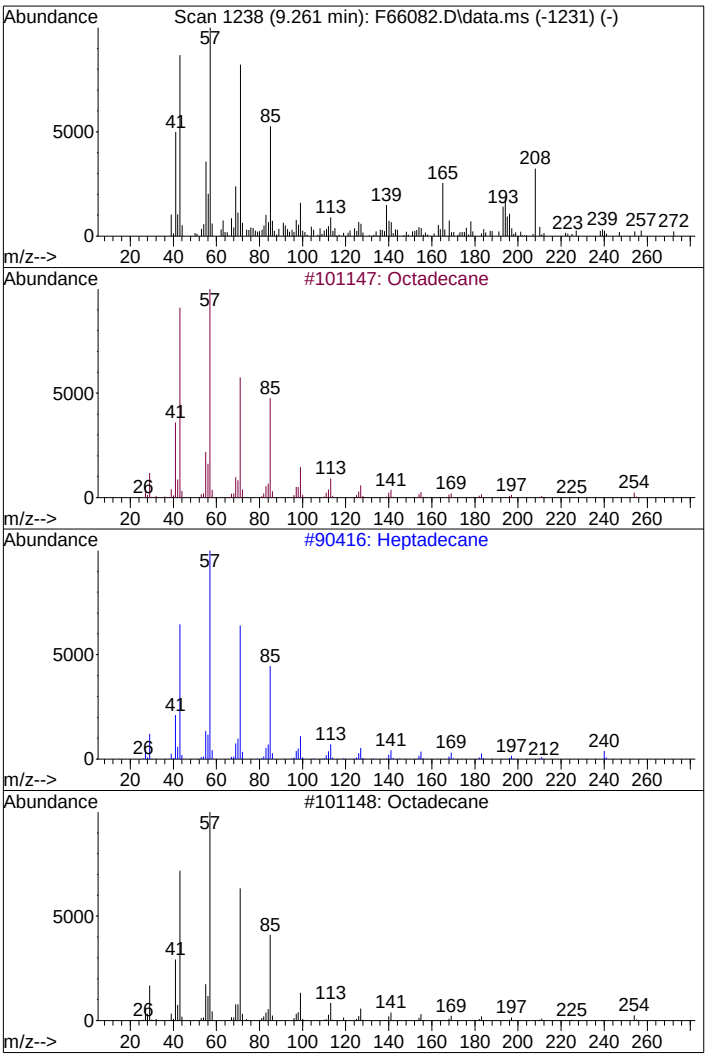
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

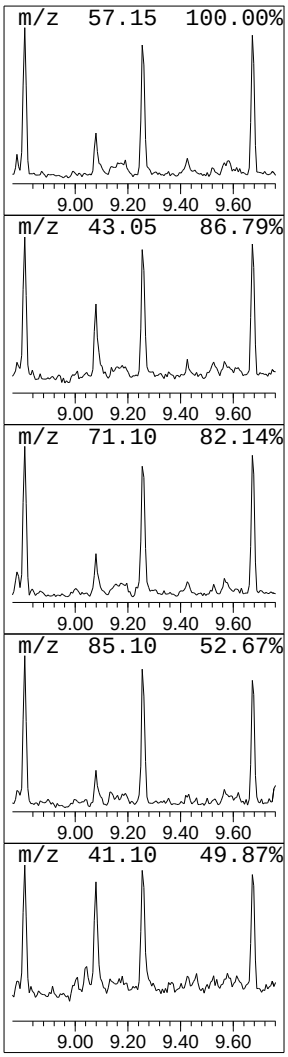
****

Peak Number 9 Octadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.261	5.83 ppm	155194	Phenanthrene-d10a	8.462

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	92
2	Heptadecane	240	C17H36	000629-78-7	70
3	Octadecane	254	C18H38	000593-45-3	70
4	Nonane, 1-iodo-	254	C9H19I	004282-42-2	55
5	Heneicosane	296	C21H44	000629-94-7	49





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66082.D
Acq On : 9 Aug 2013 6:16 pm
Operator : KRISTINR
Sample : MC23272-3
Misc : OP34292,MSF3058,20.29,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

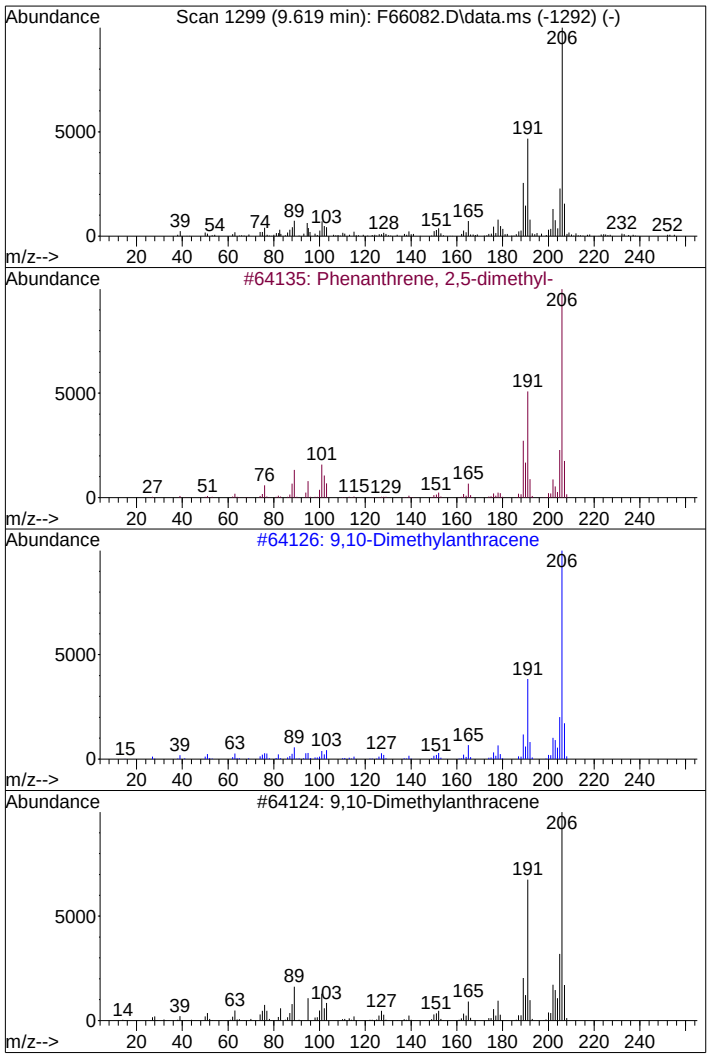
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

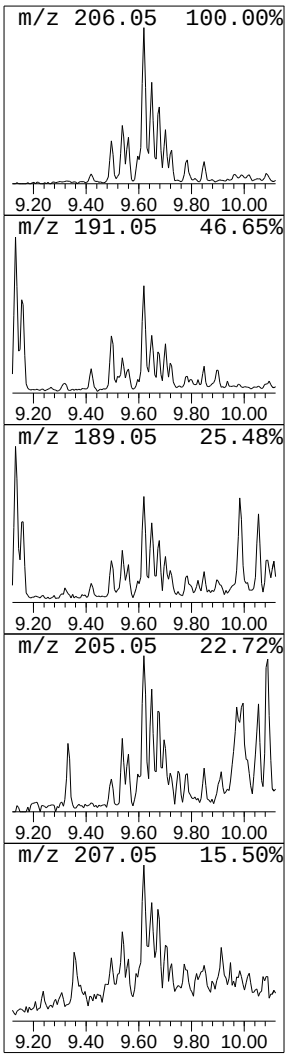
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.619	5.60 ppm	149126	Phenanthrene-d10a	8.462

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66082.D
Acq On : 9 Aug 2013 6:16 pm
Operator : KRISTINR
Sample : MC23272-3
Misc : OP34292,MSF3058,20.29,,,1,1
ALS Vial : 14 Sample Multiplier: 1

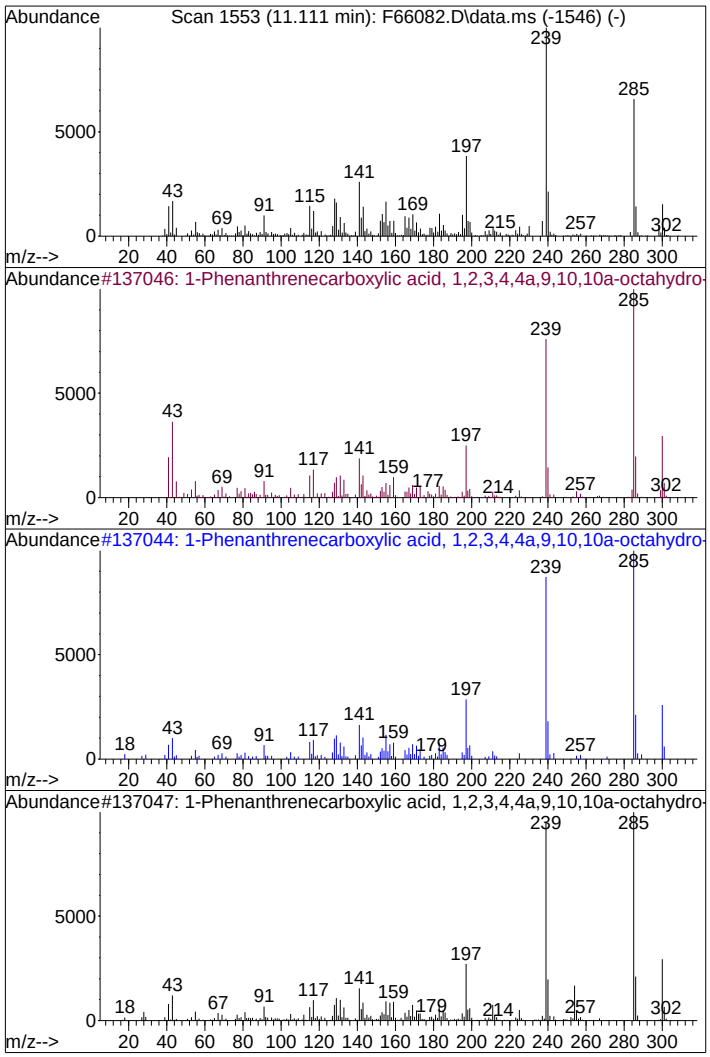
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

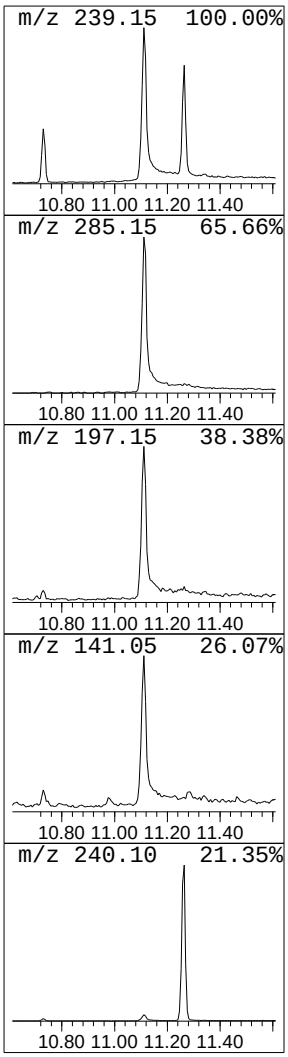
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

****
Peak Number 13 1-Phenanthrenecarboxylic ac... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.111	19.45 ppm	731736	Chrysene-d12	11.264

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	001740-19-8	94
2	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	001740-19-8	94
3	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	001740-19-8	91
4	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	86
5	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	76





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66082.D
Acq On : 9 Aug 2013 6:16 pm
Operator : KRISTINR
Sample : MC23272-3
Misc : OP34292,MSF3058,20.29,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

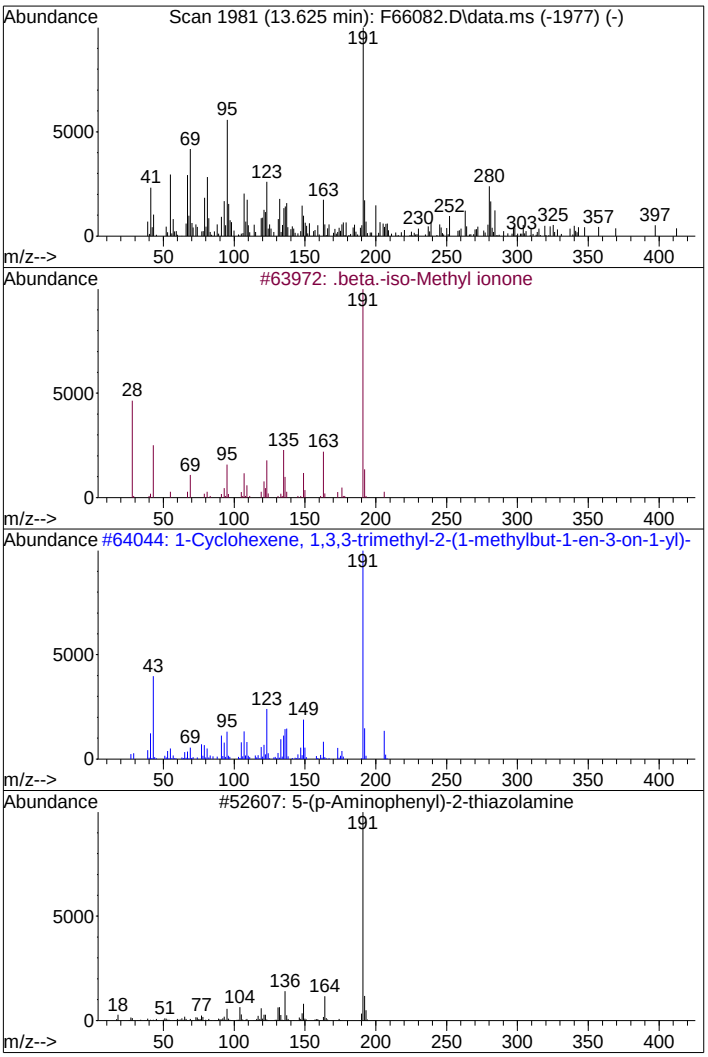
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

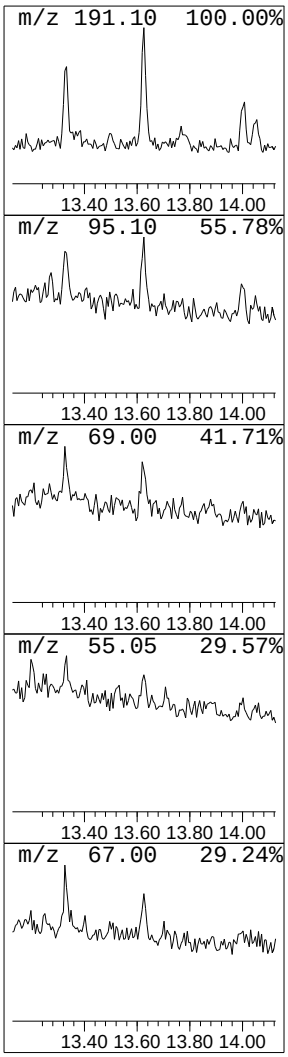
****

Peak Number 15 .beta.-iso-Methyl ionone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.625	6.95 ppm	187973	Perylene-d12	12.785

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	86
2	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	46
3	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	38
4	2,4,7-Pteridinetriamine, 6-methyl-	191	C7H9N7	017539-50-3	38
5	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	38





Tentatively Identified Compound (LSC) summary

Data Path : F:\1\DATA\F130809\
Data File : F66082.D
Acq On : 9 Aug 2013 6:16 pm
Operator : KRISTINR
Sample : MC23272-3
Misc : OP34292,MSF3058,20.29,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1R-.alpha.-Pinene	3.692	23.5	ppm	298219	1	4.232	506835	40.0
Naphthalene, 2,...	6.676	11.7	ppm	217603	6	6.999	747244	40.0
Naphthalene, 1,...	7.310	5.3	ppm	98162	7	6.999	747244	40.0
Pentadecane, 2,...	7.915	5.9	ppm	157207	8	8.462	1064420	40.0
1H-Cyclopropa[l...	9.037	5.3	ppm	139604	9	8.462	1064420	40.0
Octadecane	9.261	5.8	ppm	155194	9	8.462	1064420	40.0
Phenanthrene, 2...	9.619	5.6	ppm	149126	9	8.462	1064420	40.0
1-Phenanthrenec...	11.111	19.4	ppm	731736	10	11.264	1504980	40.0
.beta.-iso-Meth...	13.625	7.0	ppm	187973	11	12.785	1081700	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/19/13 15:31

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66083.D
Acq On : 9 Aug 2013 6:40 pm
Operator : KRISTINR
Sample : MC23272-4
Misc : OP34292,MSF3058,20.34,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 14 16:54:01 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

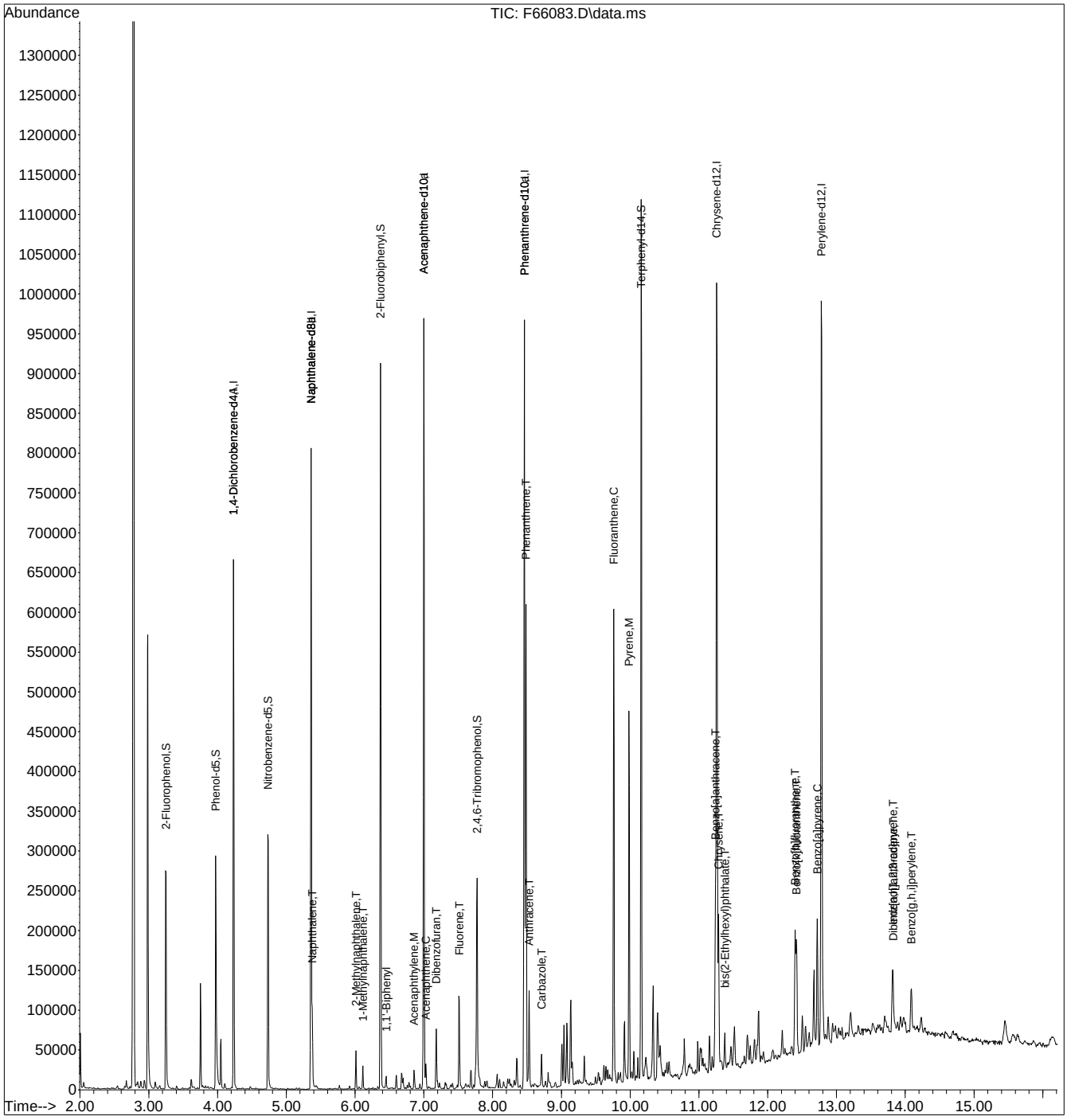
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.232	152	78045	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.232	152	78045	40.00	PPM	0.00
23) Naphthalene-d8	5.360	136	287827	40.00	ppm	0.00
41) Naphthalene-d8a	5.360	136	287827	40.00	ppm	0.00
43) Acenaphthene-d10	6.999	164	182440	40.00	ppm	0.00
65) Acenaphthene-d10a	6.999	164	182440	40.00	ppm	0.00
67) Phenanthrene-d10	8.462	188	324211	40.00	ppm	0.00
80) Phenanthrene-d10a	8.462	188	324211	40.00	ppm	0.00
82) Chrysene-d12	11.258	240	361085	40.00	ppm	0.00
92) Perylene-d12	12.779	264	372559	40.00	ppm	0.00
100) Naphthalene-d8b	5.360	136	287827	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.251	112	66904	29.41	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 29.41%#			
7) Phenol-d5	3.973	99	89076	30.76	ppm	0.03
Spiked Amount 100.000	Range 30 - 130		Recovery = 30.76%			
24) Nitrobenzene-d5	4.731	82	97837	36.35	ppm	-0.01
Spiked Amount 50.000	Range 30 - 130		Recovery = 72.70%			
48) 2-Fluorobiphenyl	6.370	172	230096	37.48	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 74.96%			
71) 2,4,6-Tribromophenol	7.774	330	32487	31.26	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 31.26%			
85) Terphenyl-d14	10.159	244	326639	42.60	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 85.20%			
Target Compounds						Qvalue
33) Naphthalene	5.377	128	32148	4.52	ppm	98
38) 2-Methylnaphthalene	6.012	142	11028	2.24	ppm	100
39) 1-Methylnaphthalene	6.112	142	5934	1.24	ppm	97
50) Acenaphthylene	6.858	152	9705	1.24	ppm	95
53) Acenaphthene	7.028	153	5081	1.02	ppm	95
55) Dibenzofuran	7.181	168	24508	3.29	ppm	96
59) Fluorene	7.516	166	33573	5.82	ppm	98
66) 1,1'-Biphenyl	6.452	154	3330	0.53	ppm	100
75) Phenanthrene	8.485	178	204362	24.37	ppm	99
76) Anthracene	8.532	178	44005	5.06	ppm	97
77) Carbazole	8.714	167	16659	2.19	ppm	96
79) Fluoranthene	9.760	202	225689	25.90	ppm	97
84) Pyrene	9.983	202	153634	15.50	ppm	99
89) Benzo[a]anthracene	11.240	228	88020	9.47	ppm	94
90) Chrysene	11.287	228	78605	8.65	ppm	96
91) bis(2-Ethylhexyl)phtha...	11.375	149	4064	0.80	ppm	98
94) Benzo[b]fluoranthene	12.397	252	75938m	7.51	ppm	
95) Benzo[k]fluoranthene	12.415	252	55941m	5.19	ppm	
96) Benzo[a]pyrene	12.720	252	66842	7.12	ppm	94
97) Indeno[1,2,3-cd]pyrene	13.819	276	40574	3.47	ppm	80
98) Dibenz[a,h]anthracene	13.825	278	13503	1.50	ppm	96
99) Benzo[g,h,i]perylene	14.089	276	31256m	3.15	ppm	

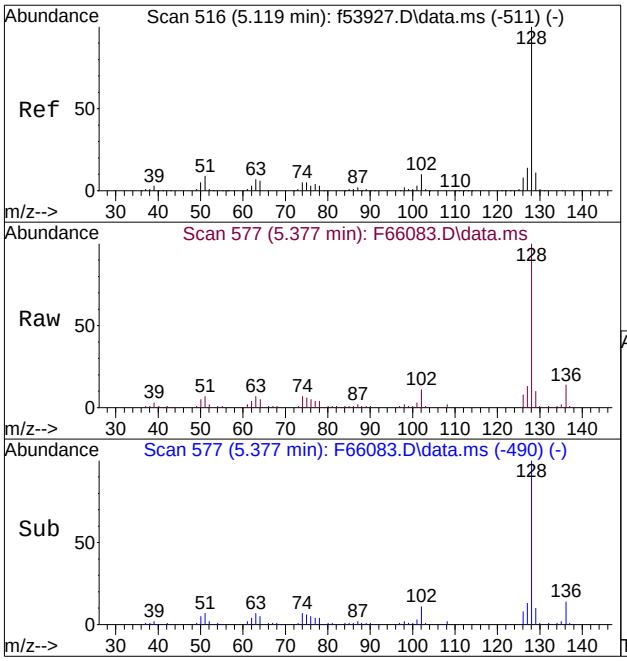
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66083.D
Acq On : 9 Aug 2013 6:40 pm
Operator : KRISTINR
Sample : MC23272-4
Misc : OP34292,MSF3058,20.34,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 14 16:54:01 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

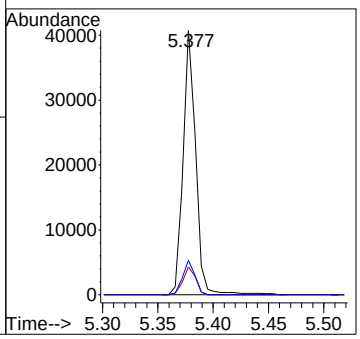


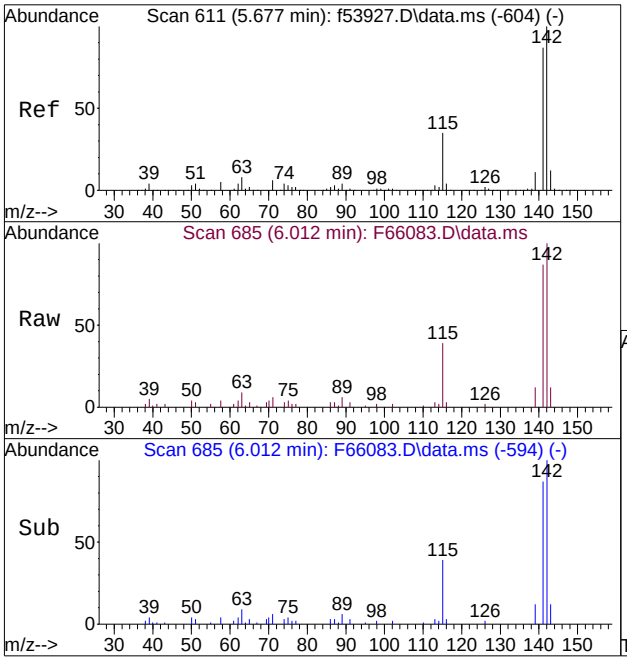


#33
Naphthalene
Concen: 4.52 ppm
RT: 5.377 min Scan# 577
Delta R.T. 0.010 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:128 Resp: 32148

Ion	Ratio	Lower	Upper
128	100		
129	10.5	0.0	40.1
127	13.0	0.0	42.3

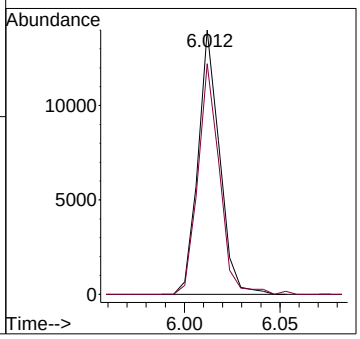


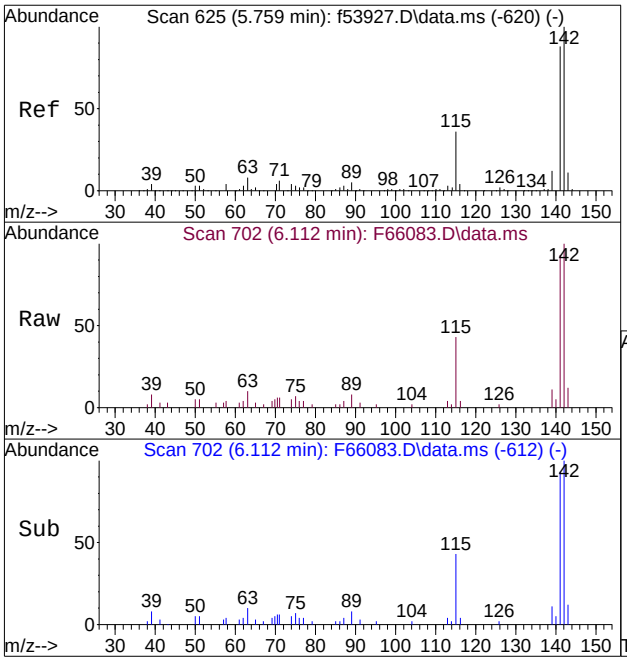


#38
2-Methylnaphthalene
Concen: 2.24 ppm
RT: 6.012 min Scan# 685
Delta R.T. 0.033 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:142 Resp: 11028

Ion	Ratio	Lower	Upper
142	100		
141	87.2	57.2	117.2

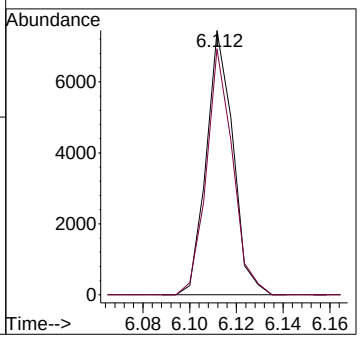


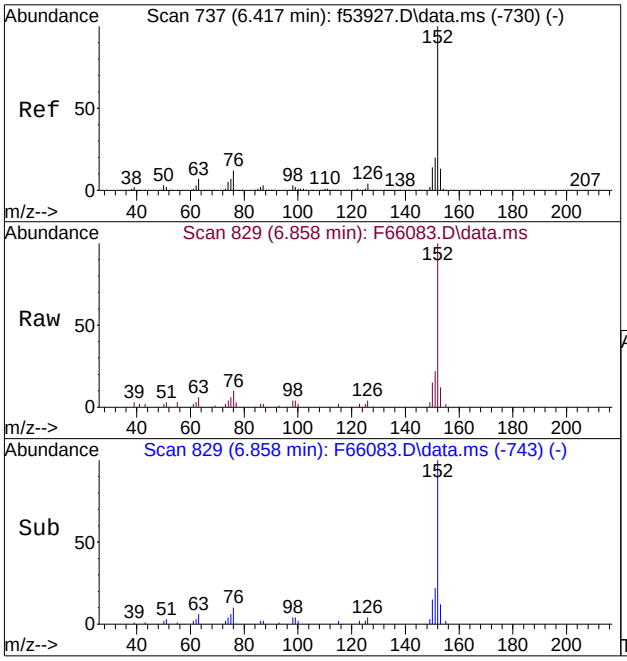


#39
1-Methylnaphthalene
Concen: 1.24 ppm
RT: 6.112 min Scan# 702
Delta R.T. 0.031 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:142 Resp: 5934

Ion	Ratio	Lower	Upper
142	100		
141	93.0	70.0	110.0

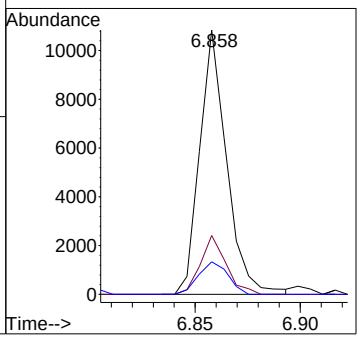


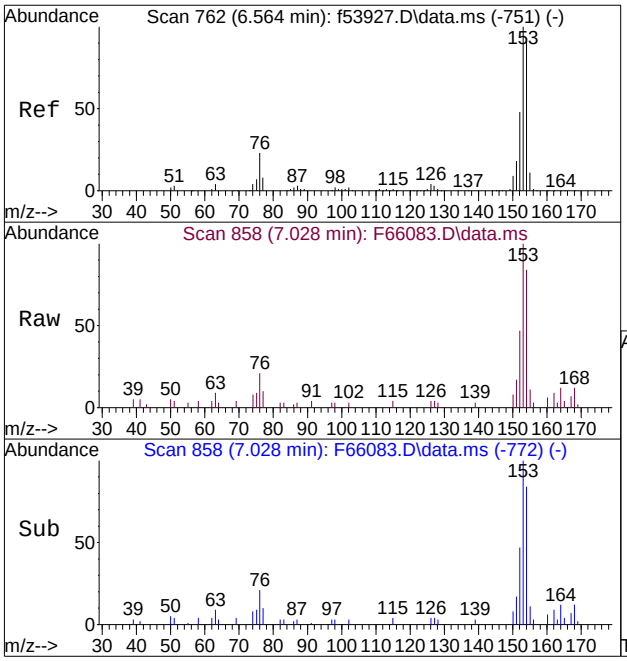


#50
Acenaphthylene
Concen: 1.24 ppm
RT: 6.858 min Scan# 829
Delta R.T. 0.004 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:152 Resp: 9705

Ion	Ratio	Lower	Upper
152	100		
151	22.2	0.0	49.3
153	12.3	0.0	43.4

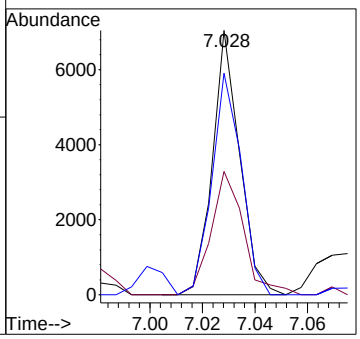


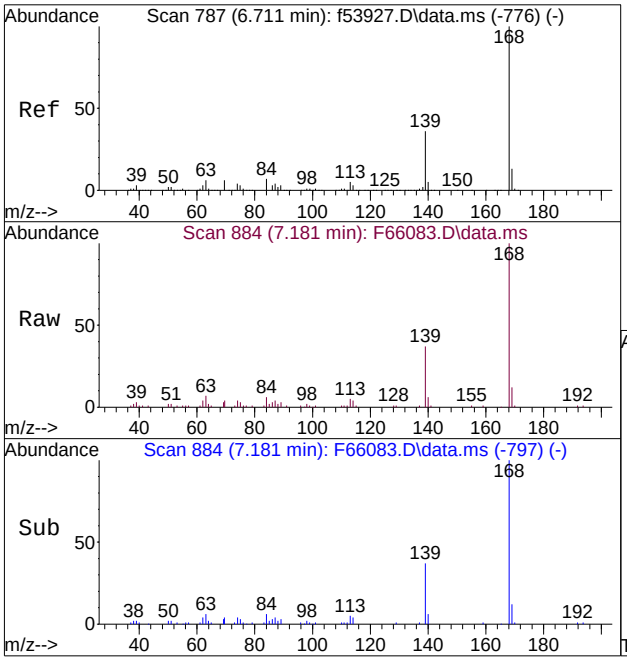


#53
Acenaphthene
Concen: 1.02 ppm
RT: 7.028 min Scan# 858
Delta R.T. 0.003 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:153 Resp: 5081

Ion	Ratio	Lower	Upper
153	100		
152	46.7	15.5	75.5
154	83.9	60.3	120.3

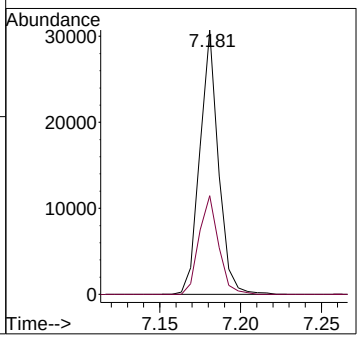


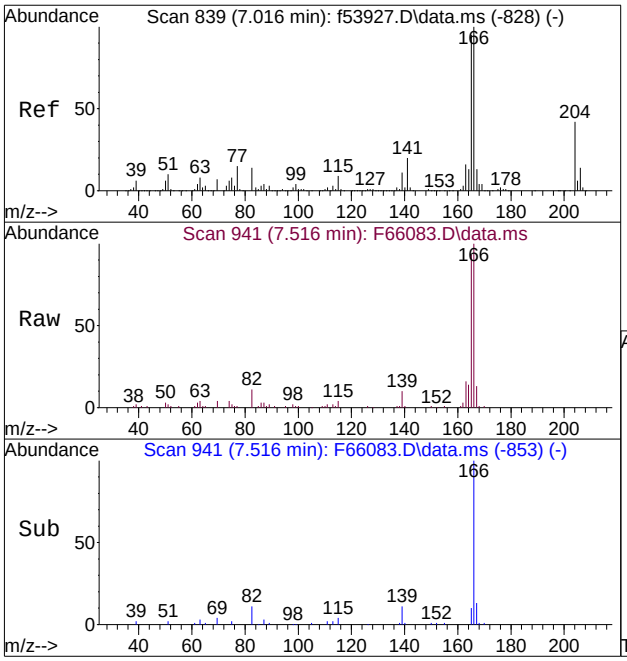


#55
Dibenzofuran
Concen: 3.29 ppm
RT: 7.181 min Scan# 884
Delta R.T. 0.008 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:168 Resp: 24508

Ion	Ratio	Lower	Upper
168	100		
139	37.4	5.2	65.2

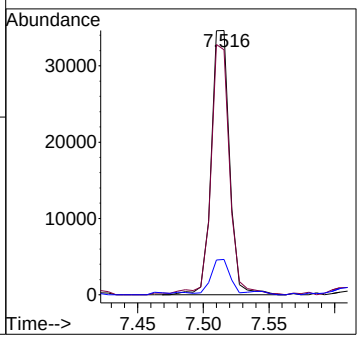


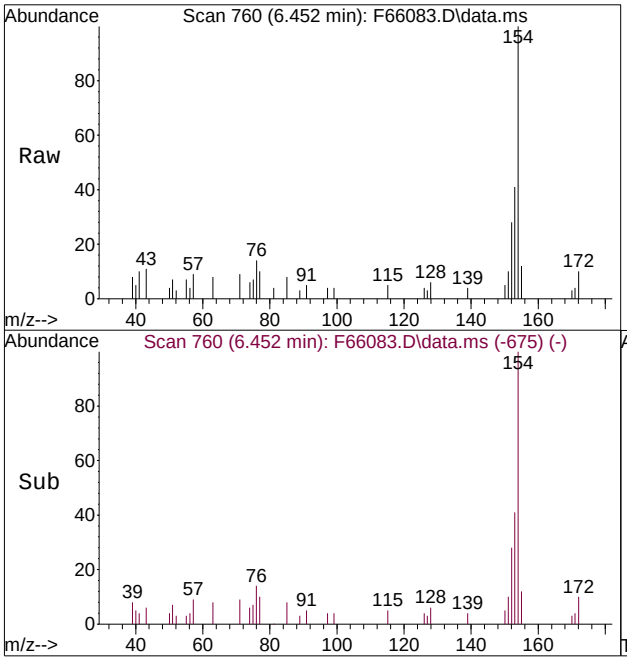


#59
Fluorene
Concen: 5.82 ppm
RT: 7.516 min Scan# 941
Delta R.T. 0.018 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:166 Resp: 33573

Ion	Ratio	Lower	Upper
166	100		
165	92.7	65.2	125.2
167	13.3	0.0	43.9

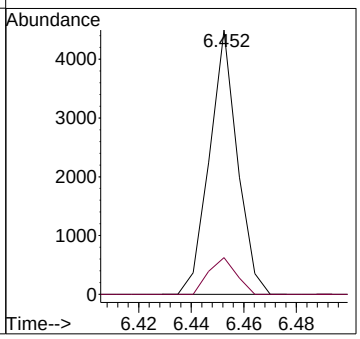


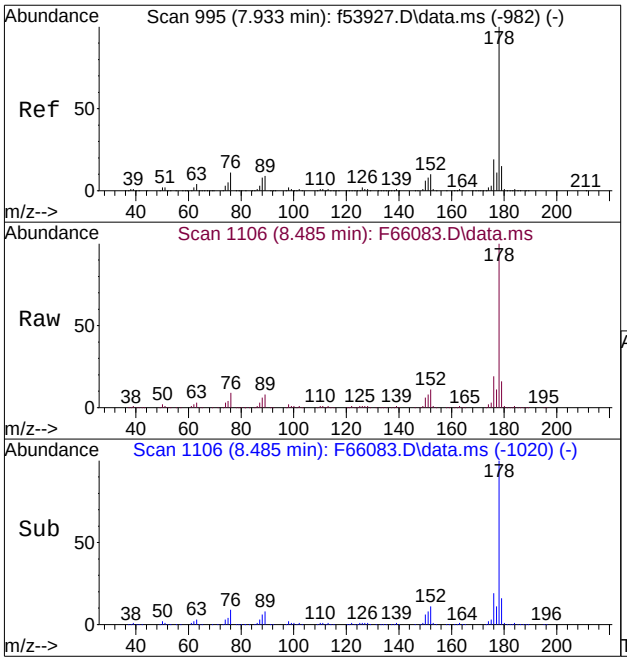


#66
1,1'-Biphenyl
Concen: 0.53 ppm
RT: 6.452 min Scan# 760
Delta R.T. -0.002 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:154 Resp: 3330

Ion	Ratio	Lower	Upper
154	100		
76	13.9	11.3	16.9

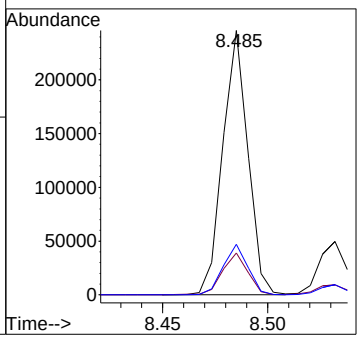


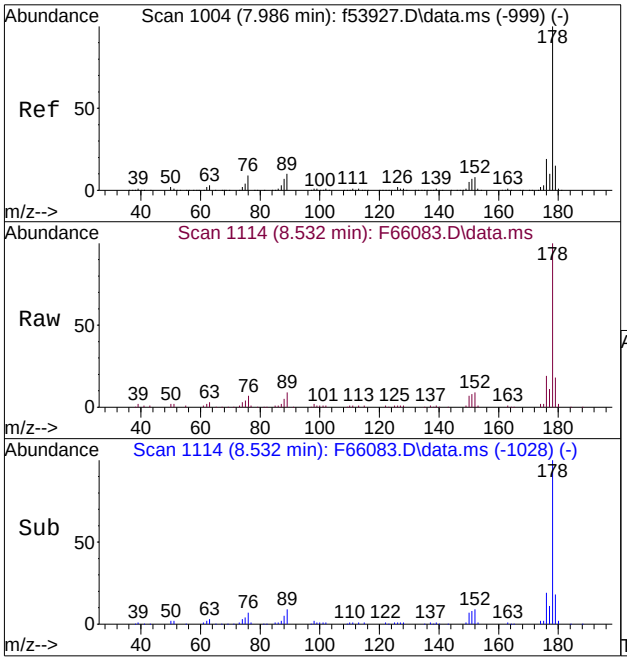


#75
Phenanthrene
Concen: 24.37 ppm
RT: 8.485 min Scan# 1106
Delta R.T. 0.004 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:178 Resp: 204362

Ion	Ratio	Lower	Upper
178	100		
179	15.8	0.0	45.2
176	19.1	0.0	48.6

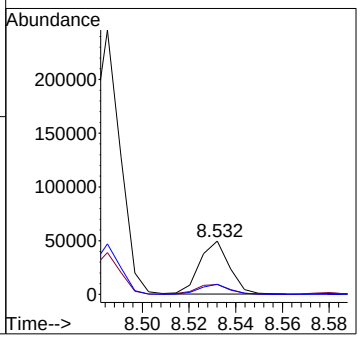


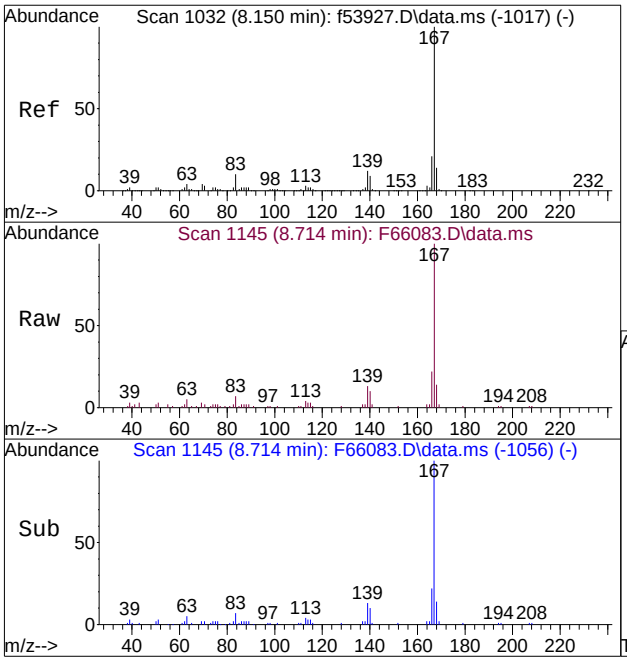


#76
Anthracene
Concen: 5.06 ppm
RT: 8.532 min Scan# 1114
Delta R.T. 0.005 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:178 Resp: 44005

Ion	Ratio	Lower	Upper
178	100		
179	18.2	0.0	45.9
176	18.9	0.0	48.6

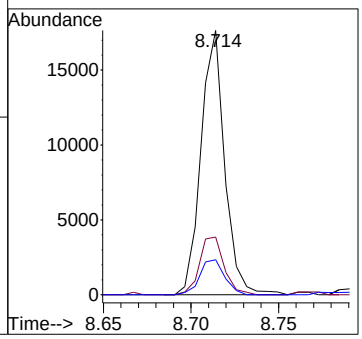


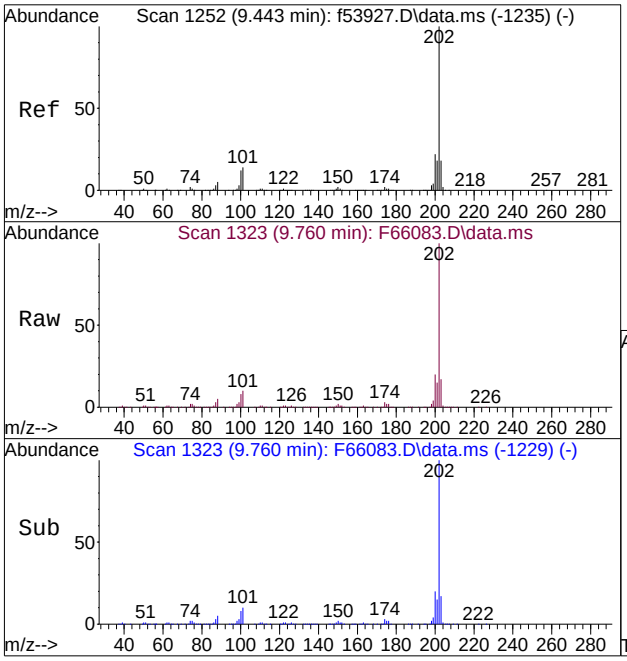


#77
Carbazole
Concen: 2.19 ppm
RT: 8.714 min Scan# 1145
Delta R.T. 0.021 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:167 Resp: 16659

Ion	Ratio	Lower	Upper
167	100		
166	21.9	0.0	50.4
139	13.3	0.0	41.6

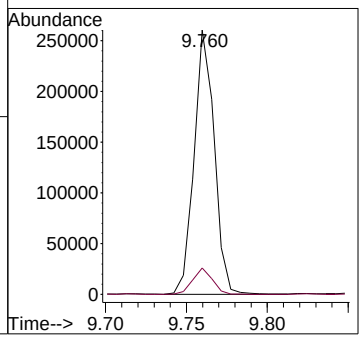


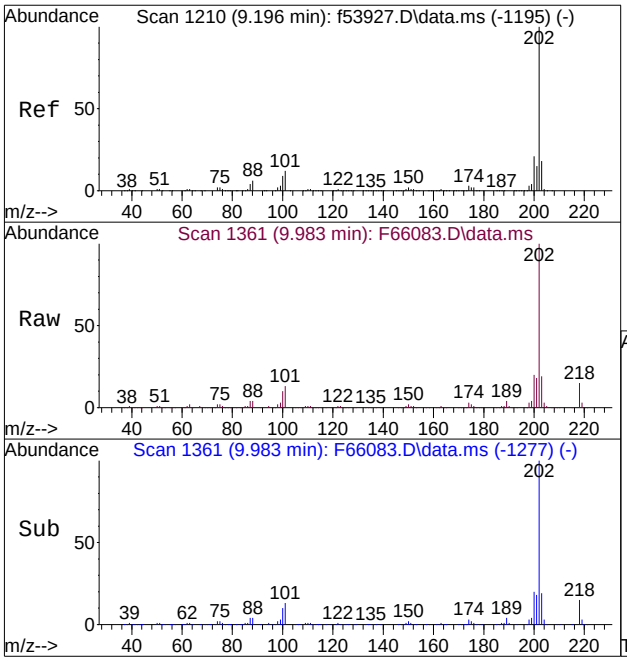


#79
Fluoranthene
Concen: 25.90 ppm
RT: 9.760 min Scan# 1323
Delta R.T. 0.054 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:202 Resp: 225689

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	41.0

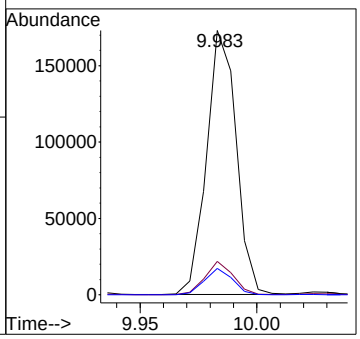


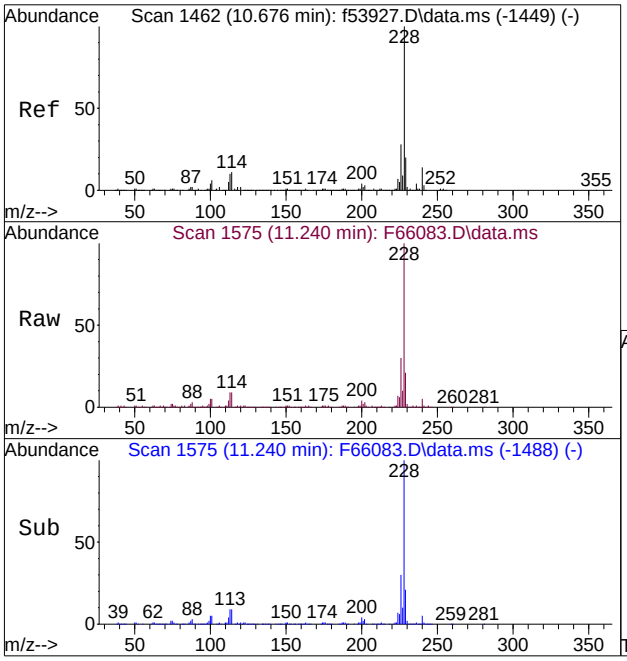


#84
Pyrene
Concen: 15.50 ppm
RT: 9.983 min Scan# 1361
Delta R.T. -0.006 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:202 Resp: 153634

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	43.1
100	10.0	0.0	40.6

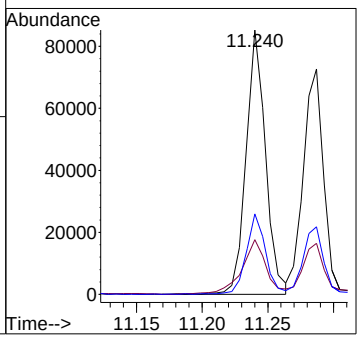


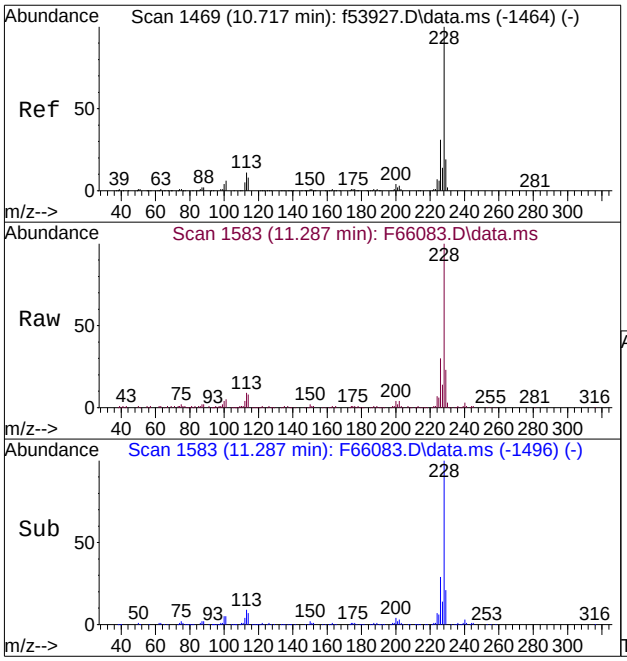


#89
Benzo[a]anthracene
Concen: 9.47 ppm
RT: 11.240 min Scan# 1575
Delta R.T. 0.009 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:228 Resp: 88020

Ion	Ratio	Lower	Upper
228	100		
229	20.7	0.0	49.1
226	30.4	0.0	56.0

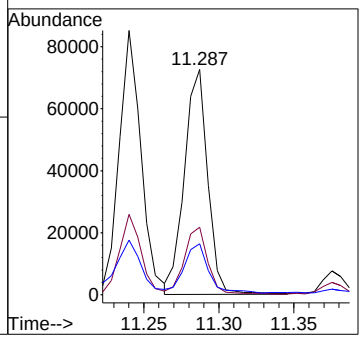


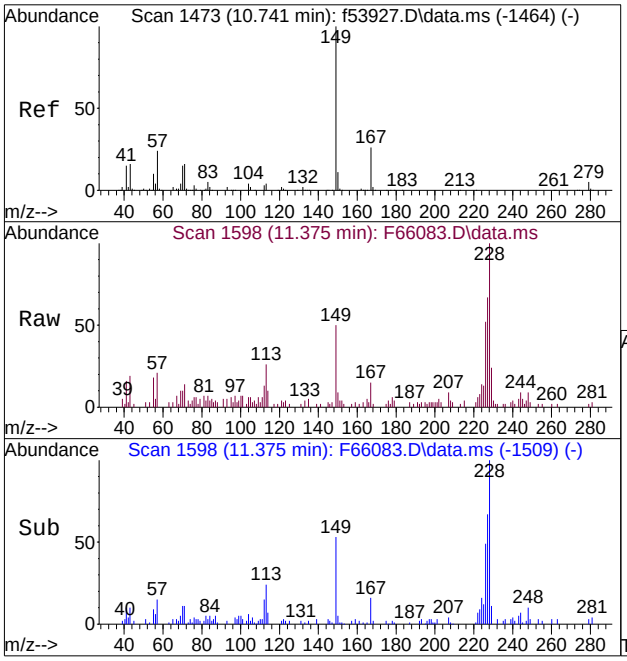


#90
Chrysene
Concen: 8.65 ppm
RT: 11.287 min Scan# 1583
Delta R.T. 0.010 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:228 Resp: 78605

Ion	Ratio	Lower	Upper
228	100		
226	29.8	0.0	59.0
229	21.7	0.0	48.7

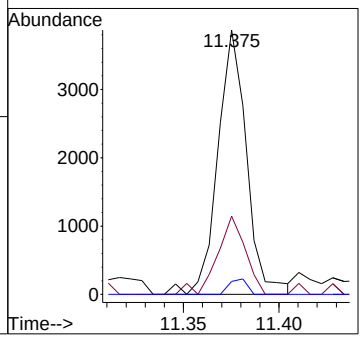


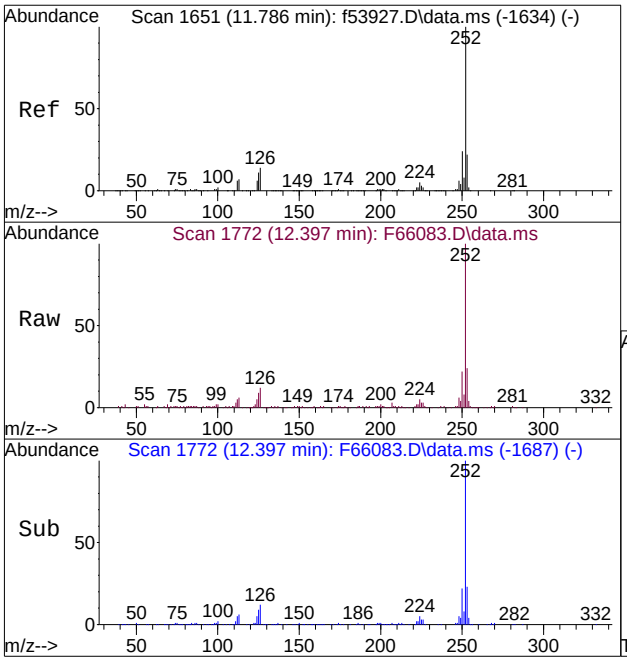


#91
bis(2-Ethylhexyl)phthalate
Concen: 0.80 ppm
RT: 11.375 min Scan# 1598
Delta R.T. 0.022 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:149 Resp: 4064

Ion	Ratio	Lower	Upper
149	100		
167	29.6	0.0	58.7
279	4.9	0.0	35.2

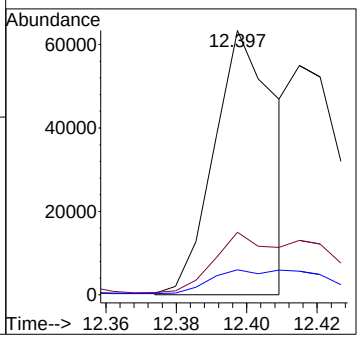


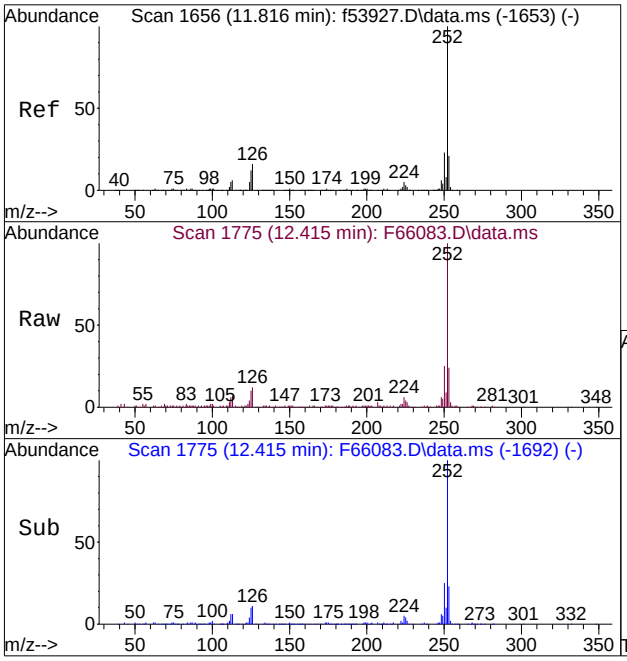


#94
Benzo[b]fluoranthene
Concen: 7.51 ppm m
RT: 12.397 min Scan# 1772
Delta R.T. 0.001 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:252 Resp: 75938

Ion	Ratio	Lower	Upper
252	100		
253	23.6	0.0	50.9
125	9.5	0.0	41.8

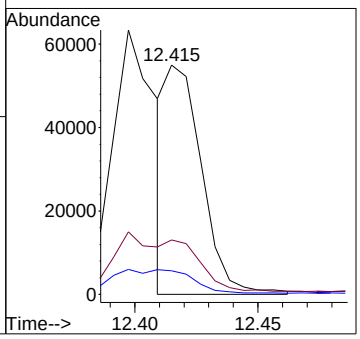


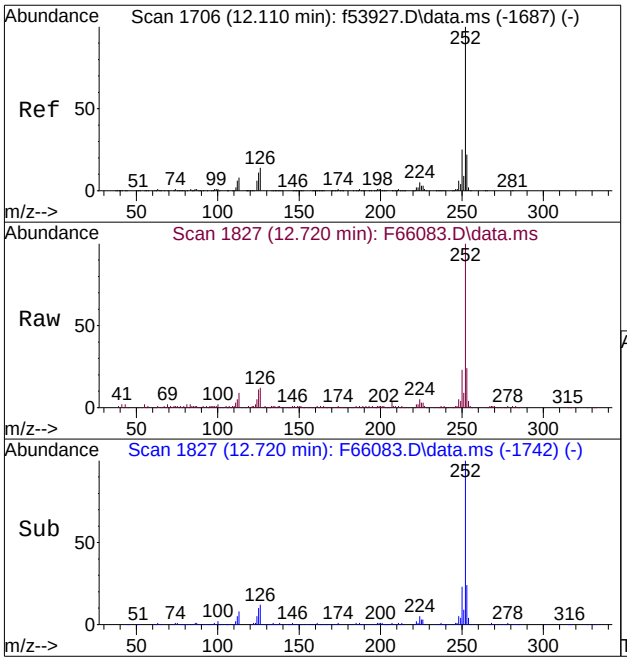


#95
Benzo[k]fluoranthene
Concen: 5.19 ppm m
RT: 12.415 min Scan# 1775
Delta R.T. -0.009 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:252 Resp: 55941

Ion	Ratio	Lower	Upper
252	100		
253	23.7	0.0	51.4
125	10.3	0.0	42.0

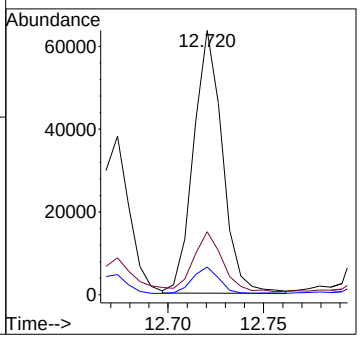


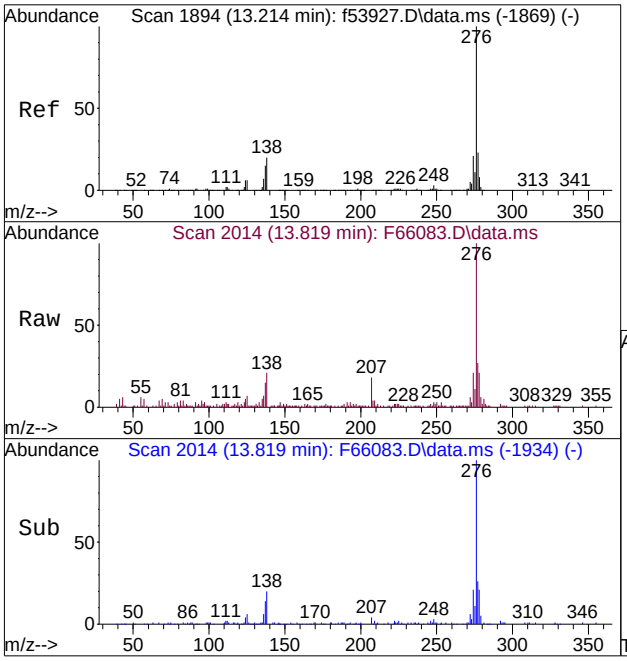


#96
Benzo[a]pyrene
Concen: 7.12 ppm
RT: 12.720 min Scan# 1827
Delta R.T. 0.001 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:252 Resp: 66842

Ion	Ratio	Lower	Upper
252	100		
253	22.8	0.0	50.5
125	10.2	0.0	43.2

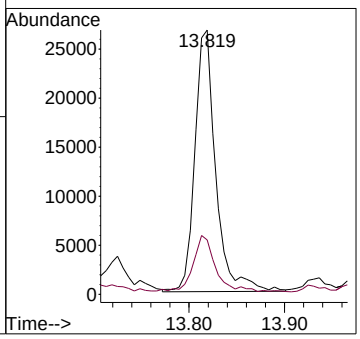


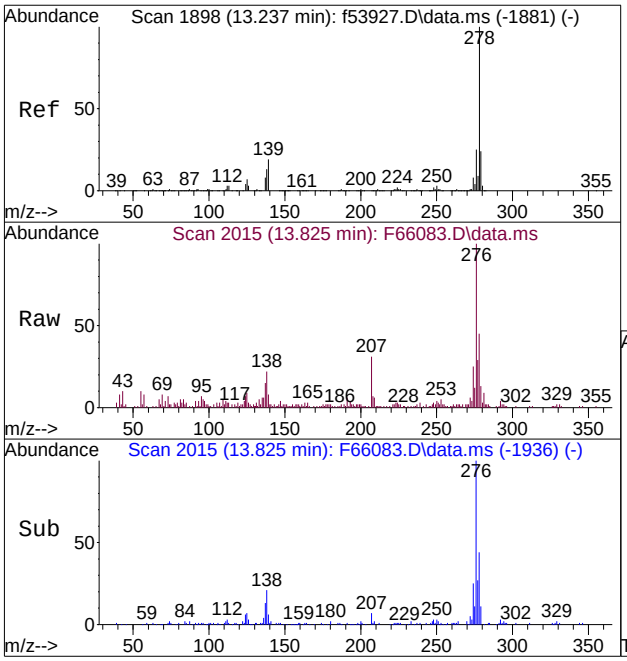


#97
Indeno[1,2,3-cd]pyrene
Concen: 3.47 ppm
RT: 13.819 min Scan# 2014
Delta R.T. -0.031 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:276 Resp: 40574

Ion	Ratio	Lower	Upper
276	100		
138	19.8	0.6	60.6

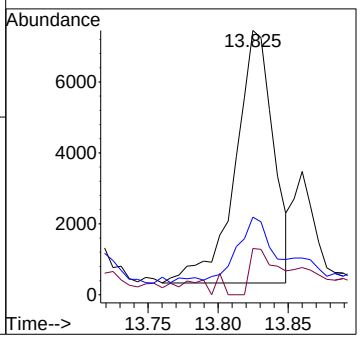


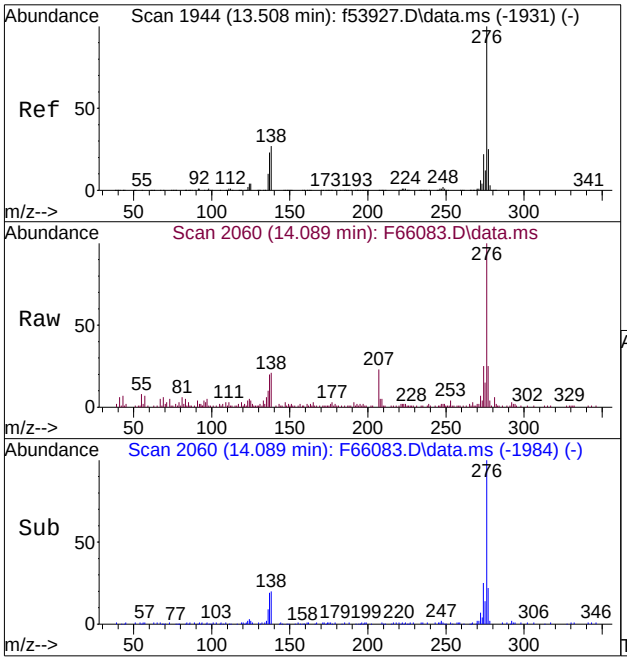


#98
Dibenz[a,h]anthracene
Concen: 1.50 ppm
RT: 13.825 min Scan# 2015
Delta R.T. -0.036 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:278 Resp: 13503

Ion	Ratio	Lower	Upper
278	100		
139	15.5	0.0	48.9
279	23.7	0.0	54.2

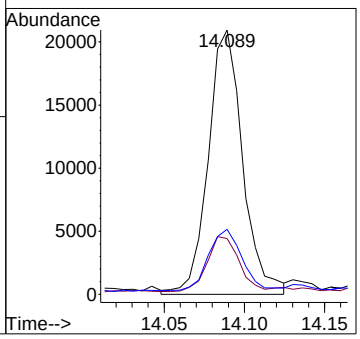




#99
Benzo[g,h,i]perylene
Concen: 3.15 ppm m
RT: 14.089 min Scan# 2060
Delta R.T. -0.055 min
Lab File: F66083.D
Acq: 9 Aug 2013 6:40 pm

Tgt Ion:276 Resp: 31256

Ion	Ratio	Lower	Upper
276	100		
138	21.1	0.0	55.6
277	24.7	0.0	53.3



LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66083.D
Acq On : 9 Aug 2013 6:40 pm
Operator : KRISTINR
Sample : MC23272-4
Misc : OP34292,MSF3058,20.34,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

Signal : TIC: F66083.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.675	109	117	122	rBV2	10853	16037	0.34%	0.083%
2	2.775	129	134	140	rVV	5524429	4770462	100.00%	24.667%
3	2.840	140	145	148	rVV4	9327	15166	0.32%	0.078%
4	2.881	148	152	158	rVV2	9666	13221	0.28%	0.068%
5	2.987	166	170	184	rVV	570555	535018	11.22%	2.766%
6	3.245	210	214	229	rVV	274769	262419	5.50%	1.357%
7	3.750	297	300	304	rBV	132522	101302	2.12%	0.524%
8	3.973	334	338	348	rBV	293456	289057	6.06%	1.495%
9	4.050	348	351	357	rVV	62786	53170	1.11%	0.275%
10	4.232	374	382	391	rVB	665775	514655	10.79%	2.661%
11	4.731	463	467	476	rBV	319992	289454	6.07%	1.497%
12	5.360	567	574	583	rBV	805747	710166	14.89%	3.672%
13	6.012	673	685	691	rVV	48636	41725	0.87%	0.216%
14	6.112	697	702	709	rVB	29637	25173	0.53%	0.130%
15	6.370	742	746	754	rBV	911705	693012	14.53%	3.583%
16	6.452	756	760	765	rVB2	15522	14154	0.30%	0.073%
17	6.599	782	785	790	rVB	17389	15904	0.33%	0.082%
18	6.676	794	798	806	rBV	20180	31214	0.65%	0.161%
19	6.858	823	829	834	rBV	23863	23465	0.49%	0.121%
20	6.999	847	853	857	rVV	968389	797256	16.71%	4.122%
21	7.028	857	858	862	rVV	31521	20060	0.42%	0.104%
22	7.181	876	884	889	rBV	75881	70874	1.49%	0.366%
23	7.510	929	940	949	rBV	117266	126807	2.66%	0.656%
24	7.686	966	970	974	rVB2	23126	23552	0.49%	0.122%
25	7.774	974	985	1001	rBV2	264906	338519	7.10%	1.750%
26	8.068	1028	1035	1038	rBV	17883	18053	0.38%	0.093%
27	8.221	1058	1061	1063	rBV2	12194	13487	0.28%	0.070%
28	8.350	1079	1083	1089	rVV	36614	38666	0.81%	0.200%
29	8.462	1097	1102	1104	rBV	966174	887385	18.60%	4.588%
30	8.485	1104	1106	1110	rVV	606802	485338	10.17%	2.510%
31	8.532	1110	1114	1119	rVB	121573	115212	2.42%	0.596%
32	8.714	1136	1145	1149	rBV	41821	46186	0.97%	0.239%
33	8.808	1158	1161	1170	rVB5	19464	27820	0.58%	0.144%
34	9.008	1188	1195	1197	rBV	53630	51096	1.07%	0.264%
35	9.037	1197	1200	1203	rVV	74775	64833	1.36%	0.335%
36	9.078	1203	1207	1212	rVV2	77135	77574	1.63%	0.401%
37	9.137	1212	1217	1225	rVB	106933	137222	2.88%	0.710%
38	9.331	1246	1250	1262	rVB	36609	46439	0.97%	0.240%
39	9.537	1281	1285	1292	rVB	15934	26991	0.57%	0.140%
40	9.619	1292	1299	1302	rBV	24977	34535	0.72%	0.179%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66083.D
Acq On : 9 Aug 2013 6:40 pm
Operator : KRISTINR
Sample : MC23272-4
Misc : OP34292,MSF3058,20.34,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

41	9.648	1302	1304	1307	rVV	21800	22350	0.47%	0.116%
42	9.678	1307	1309	1311	rVV	17204	16505	0.35%	0.085%
43	9.701	1311	1313	1319	rVV3	10910	17727	0.37%	0.092%
44	9.760	1319	1323	1331	rVB	596106	524034	10.98%	2.710%
45	9.824	1331	1334	1336	rBV3	13898	12769	0.27%	0.066%
46	9.860	1336	1340	1344	rVB2	12890	15996	0.34%	0.083%
47	9.918	1346	1350	1357	rBV3	76893	92106	1.93%	0.476%
48	9.983	1357	1361	1365	rVV	465104	412877	8.65%	2.135%
49	10.024	1365	1368	1370	rVV	11563	13798	0.29%	0.071%
50	10.053	1370	1373	1376	rVV	36765	32589	0.68%	0.169%
51	10.112	1376	1383	1386	rVV	28769	31904	0.67%	0.165%
52	10.159	1386	1391	1396	rVV	1106592	954396	20.01%	4.935%
53	10.230	1397	1403	1409	rVB4	28160	56327	1.18%	0.291%
54	10.335	1412	1421	1426	rVB	119271	136450	2.86%	0.706%
55	10.400	1426	1432	1436	rBV	85830	126894	2.66%	0.656%
56	10.435	1436	1438	1445	rVV2	40470	54597	1.14%	0.282%
57	10.535	1452	1455	1457	rVV	16992	15556	0.33%	0.080%
58	10.565	1457	1460	1469	rVB3	19833	27199	0.57%	0.141%
59	10.788	1485	1498	1504	rBV4	51269	88391	1.85%	0.457%
60	10.864	1504	1511	1524	rBV5	15403	55927	1.17%	0.289%
61	10.982	1528	1531	1534	rBV	40086	35803	0.75%	0.185%
62	11.023	1534	1538	1542	rBV3	29946	51838	1.09%	0.268%
63	11.152	1557	1560	1564	rBV2	46598	50903	1.07%	0.263%
64	11.193	1564	1567	1570	rVV	19173	20093	0.42%	0.104%
65	11.258	1570	1578	1593	rVB2	989980	1473896	30.90%	7.621%
66	11.375	1593	1598	1602	rBV	46766	53347	1.12%	0.276%
67	11.463	1609	1613	1617	rVB	24090	30290	0.63%	0.157%
68	11.516	1617	1622	1628	rVB3	49071	67349	1.41%	0.348%
69	11.657	1637	1646	1650	rBV3	15346	34351	0.72%	0.178%
70	11.704	1650	1654	1659	rVV	38410	59172	1.24%	0.306%
71	11.745	1659	1661	1665	rVB	22991	24925	0.52%	0.129%
72	11.810	1667	1672	1675	rVV3	31968	49172	1.03%	0.254%
73	11.869	1675	1682	1686	rVV4	66362	107636	2.26%	0.557%
74	11.904	1686	1688	1691	rVV4	9624	13960	0.29%	0.072%
75	11.939	1691	1694	1699	rVB2	13507	16974	0.36%	0.088%
76	12.074	1711	1717	1721	rBV8	14639	29350	0.62%	0.152%
77	12.209	1736	1740	1744	rVV2	33975	43170	0.90%	0.223%
78	12.350	1761	1764	1768	rVB5	11072	16632	0.35%	0.086%
79	12.397	1768	1772	1785	rBV2	157797	351550	7.37%	1.818%
80	12.503	1785	1790	1794	rBV2	46416	53520	1.12%	0.277%
81	12.550	1794	1798	1802	rBV	31978	44233	0.93%	0.229%
82	12.603	1802	1807	1810	rVB3	18342	25505	0.53%	0.132%
83	12.673	1814	1819	1823	rBV	90299	94664	1.98%	0.489%
84	12.720	1823	1827	1831	rVB	159239	166478	3.49%	0.861%
85	12.779	1831	1837	1846	rBV	935414	1114080	23.35%	5.761%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66083.D
Acq On : 9 Aug 2013 6:40 pm
Operator : KRISTINR
Sample : MC23272-4
Misc : OP34292,MSF3058,20.34,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

86	12.879	1851	1854	1861	rVB3	33233	42933	0.90%	0.222%
87	12.944	1861	1865	1870	rBV4	24992	48397	1.01%	0.250%
88	13.032	1877	1880	1886	rBV9	13066	21796	0.46%	0.113%
89	13.208	1905	1910	1919	rBV4	30167	58535	1.23%	0.303%
90	13.525	1962	1964	1973	rVB10	12094	22810	0.48%	0.118%
91	13.701	1990	1994	2009	rBV3	21934	60155	1.26%	0.311%
92	13.819	2009	2014	2023	rBV2	78829	141880	2.97%	0.734%
93	13.931	2030	2033	2037	rBV2	16113	21819	0.46%	0.113%
94	13.978	2038	2041	2055	rVB3	18474	43242	0.91%	0.224%
95	14.089	2055	2060	2080	rBV	54711	106851	2.24%	0.552%
96	14.236	2081	2085	2090	rVB2	19401	29772	0.62%	0.154%
97	14.583	2142	2144	2158	rVB2	9262	24976	0.52%	0.129%
98	15.446	2285	2291	2307	rVB6	26566	66579	1.40%	0.344%
99	15.564	2307	2311	2319	rVV10	10242	29160	0.61%	0.151%
100	15.634	2320	2323	2338	rVB10	10913	20824	0.44%	0.108%

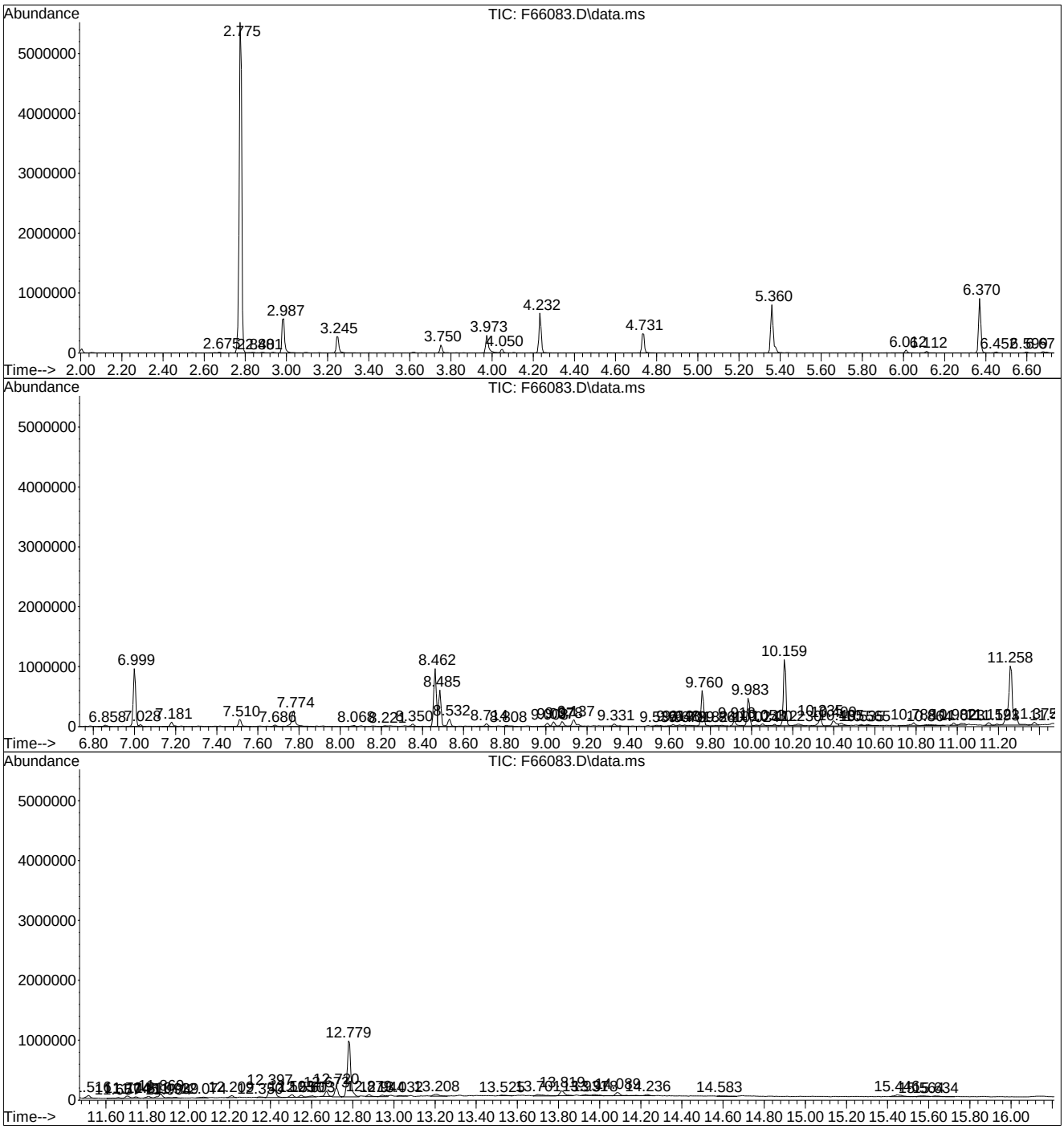
Sum of corrected areas: 19339691

LSC Report - Integrated Chromatogram

Data Path : F:\1\DATA\F130809\
Data File : F66083.D
Acq On : 9 Aug 2013 6:40 pm
Operator : KRISTINR
Sample : MC23272-4
Misc : OP34292,MSF3058,20.34,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



ACCUTEST LABORATORIES MC23272

Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66083.D
Acq On : 9 Aug 2013 6:40 pm
Operator : KRISTINR
Sample : MC23272-4
Misc : OP34292,MSF3058,20.34,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

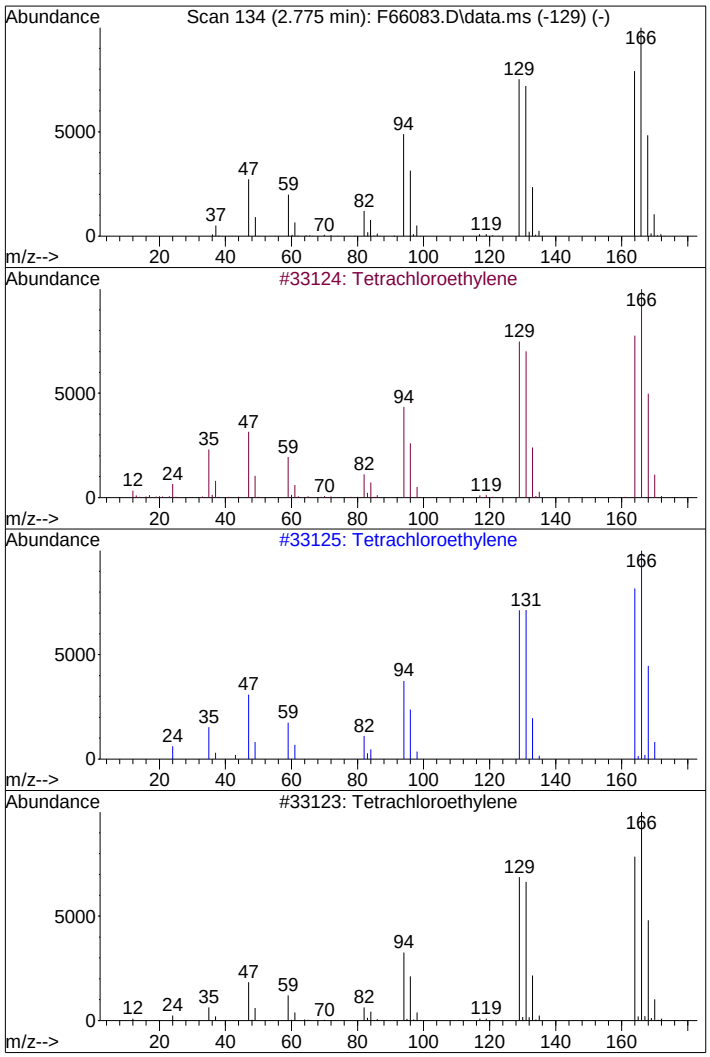
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

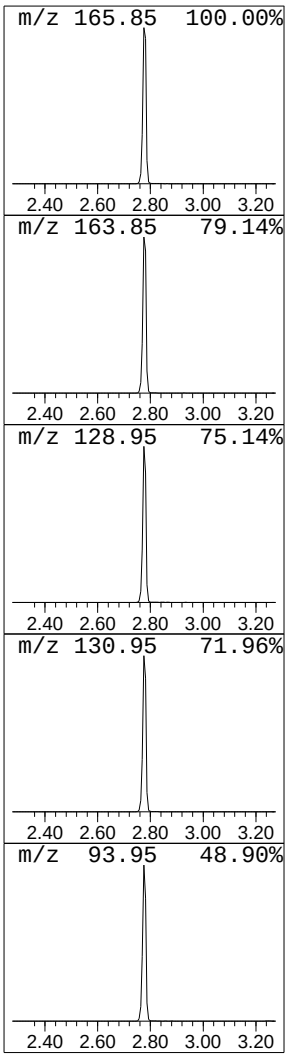
****

Peak Number 1 Tetrachloroethylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.775	370.77 ppm	4770460	1,4-Dichlorobenzene-d4A	4.232

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrachloroethylene	164	C2Cl4	000127-18-4	98
2	Tetrachloroethylene	164	C2Cl4	000127-18-4	98
3	Tetrachloroethylene	164	C2Cl4	000127-18-4	98
4	Tetrachloroethylene	164	C2Cl4	000127-18-4	97
5	Pyrimidine, 5-fluoro-2,4-dichloro-	166	C4HCl2FN2	002927-71-1	12





Tentatively Identified Compound (LSC) summary

Data Path : F:\1\DATA\F130809\
Data File : F66083.D
Acq On : 9 Aug 2013 6:40 pm
Operator : KRISTINR
Sample : MC23272-4
Misc : OP34292,MSF3058,20.34,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Tetrachloroethy...	2.775	370.8	ppm	4770460	1	4.232	514655	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/19/13 15:31

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66084.D
Acq On : 9 Aug 2013 7:04 pm
Operator : KRISTINR
Sample : MC23272-5
Misc : OP34292,MSF3058,20.50,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 14 17:03:13 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

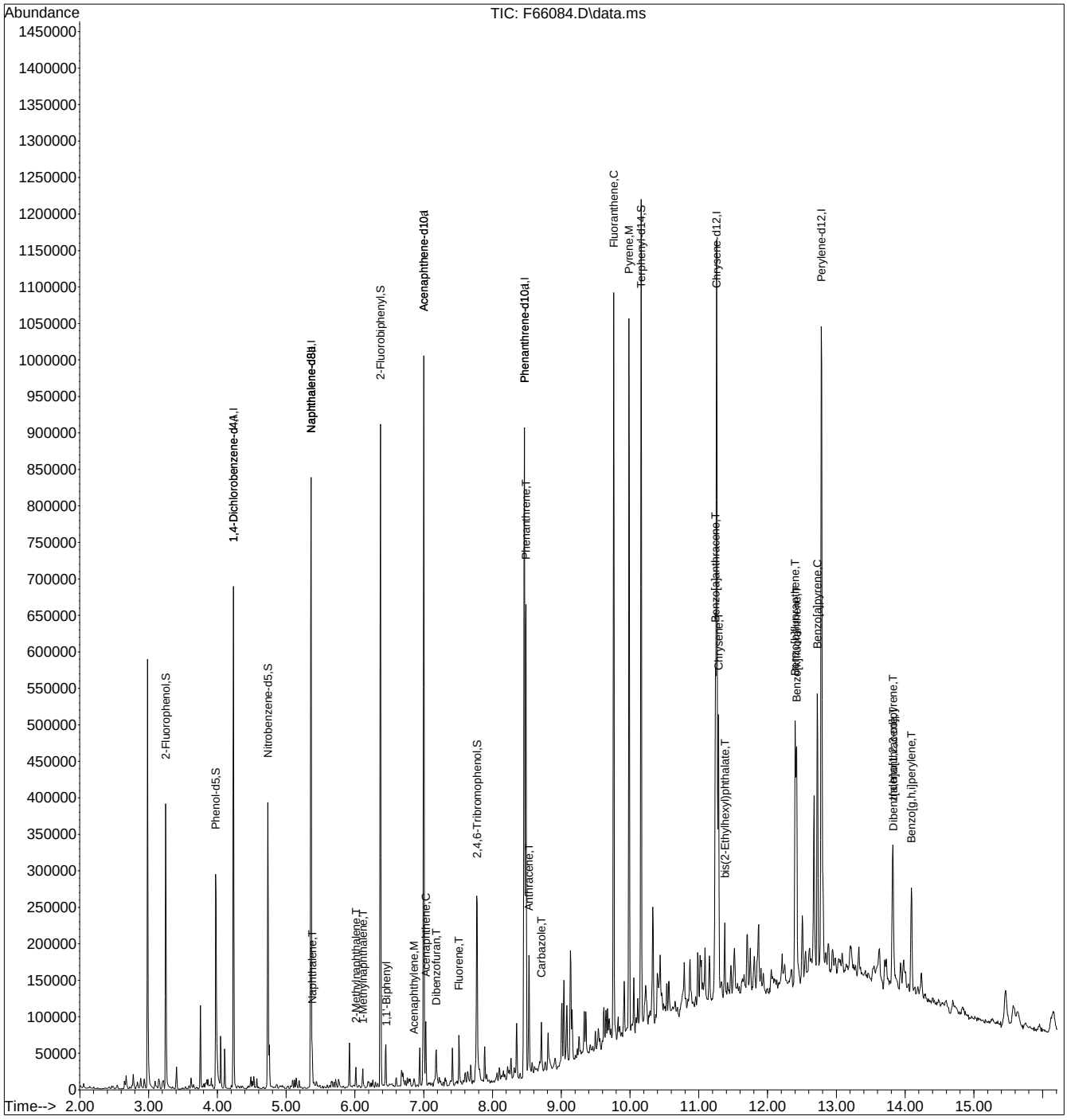
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.234	152	77516	40.00	ppm	0.01
21) 1,4-Dichlorobenzene-d4A	4.234	152	77516	40.00	PPM	0.01
23) Naphthalene-d8	5.362	136	290146	40.00	ppm	0.01
41) Naphthalene-d8a	5.362	136	290146	40.00	ppm	0.01
43) Acenaphthene-d10	7.001	164	177298	40.00	ppm	0.01
65) Acenaphthene-d10a	7.001	164	177298	40.00	ppm	0.01
67) Phenanthrene-d10	8.464	188	310323	40.00	ppm	0.01
80) Phenanthrene-d10a	8.464	188	310323	40.00	ppm	0.01
82) Chrysene-d12	11.260	240	341110	40.00	ppm	0.01
92) Perylene-d12	12.781	264	361327	40.00	ppm	0.01
100) Naphthalene-d8b	5.362	136	290146	40.00	ug/mL	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.247	112	80226	35.50	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 35.50%			
7) Phenol-d5	3.976	99	104513	36.34	ppm	0.03
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.34%			
24) Nitrobenzene-d5	4.733	82	106571	39.28	ppm	-0.01
Spiked Amount 50.000	Range 30 - 130		Recovery = 78.56%			
48) 2-Fluorobiphenyl	6.372	172	231378	38.78	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 77.56%			
71) 2,4,6-Tribromophenol	7.776	330	34213	34.39	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 34.39%			
85) Terphenyl-d14	10.161	244	306434	42.30	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 84.60%			
Target Compounds						Qvalue
33) Naphthalene	5.380	128	15543	2.17	ppm	96
38) 2-Methylnaphthalene	6.014	142	5606	1.13	ppm	95
39) 1-Methylnaphthalene	6.114	142	4727	0.98	ppm	99
50) Acenaphthylene	6.860	152	3359	0.44	ppm	92
53) Acenaphthene	7.030	153	16762	3.47	ppm	98
55) Dibenzofuran	7.183	168	14479	2.00	ppm	96
59) Fluorene	7.512	166	17652	3.15	ppm	99
66) 1,1'-Biphenyl	6.455	154	1977	0.32	ppm	97
75) Phenanthrene	8.487	178	242308	30.19	ppm	100
76) Anthracene	8.528	178	64489	7.74	ppm	95
77) Carbazole	8.710	167	26347	3.62	ppm	98
79) Fluoranthene	9.762	202	367740	44.08	ppm	98
84) Pyrene	9.985	202	319730	34.16	ppm	99
89) Benzo[a]anthracene	11.242	228	176706	20.13	ppm	96
90) Chrysene	11.289	228	161468	18.81	ppm	96
91) bis(2-Ethylhexyl)phtha...	11.377	149	3410	0.71	ppm	96
94) Benzo[b]fluoranthene	12.399	252	162312m	16.55	ppm	
95) Benzo[k]fluoranthene	12.423	252	126358m	12.08	ppm	
96) Benzo[a]pyrene	12.723	252	159619	17.54	ppm	94
97) Indeno[1,2,3-cd]pyrene	13.821	276	99991	8.81	ppm	78
98) Dibenz[a,h]anthracene	13.827	278	30517m	3.49	ppm	
99) Benzo[g,h,i]perylene	14.091	276	84883	8.81	ppm	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

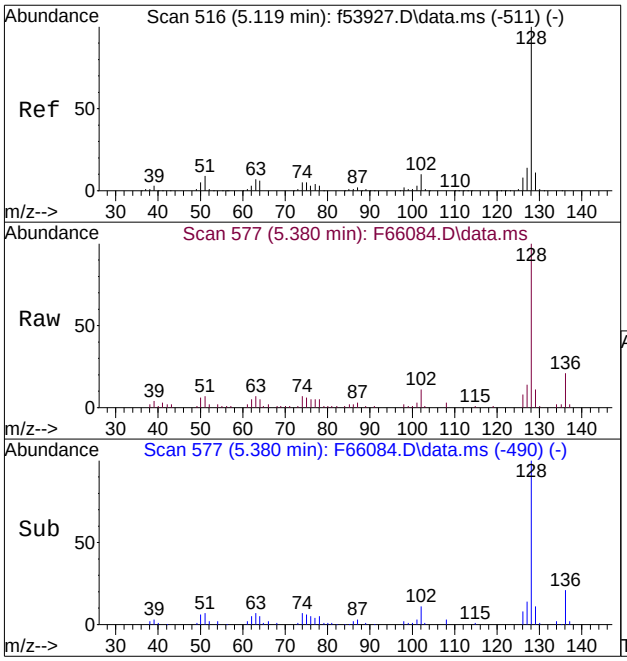
Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66084.D
Acq On : 9 Aug 2013 7:04 pm
Operator : KRISTINR
Sample : MC23272-5
Misc : OP34292,MSF3058,20.50,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 14 17:03:13 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



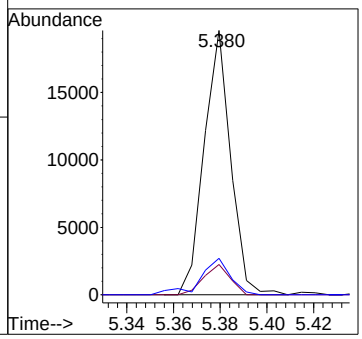
F130701_8270+.m Wed Aug 14 17:03:34 2013 Page: 2

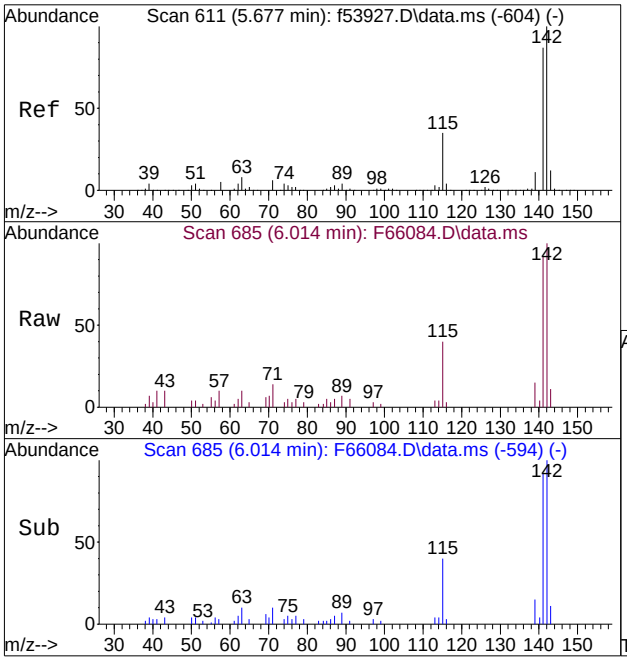


#33
Naphthalene
Concen: 2.17 ppm
RT: 5.380 min Scan# 577
Delta R.T. 0.012 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:128 Resp: 15543

Ion	Ratio	Lower	Upper
128	100		
129	11.5	0.0	40.1
127	13.8	0.0	42.3

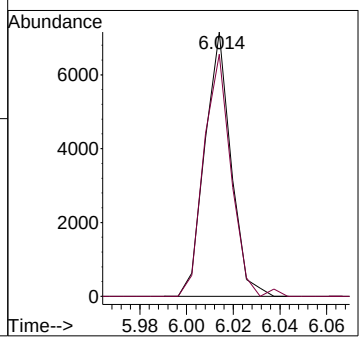


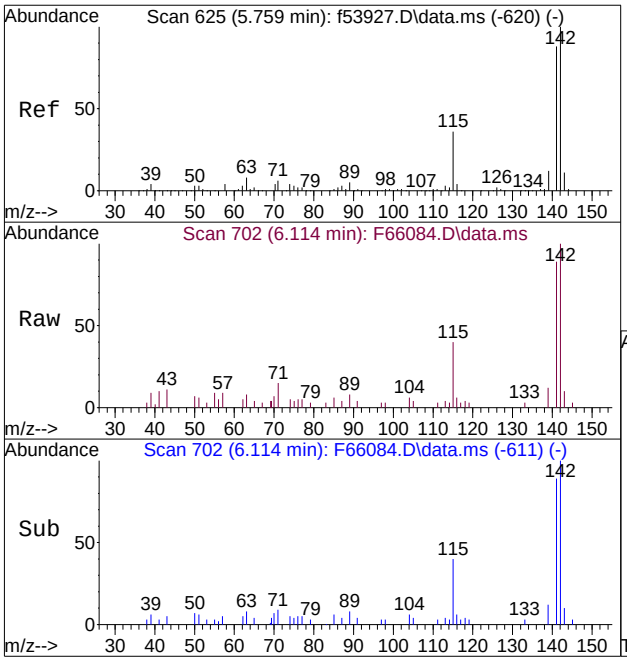


#38
2-Methylnaphthalene
Concen: 1.13 ppm
RT: 6.014 min Scan# 685
Delta R.T. 0.035 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:142 Resp: 5606

Ion	Ratio	Lower	Upper
142	100		
141	91.6	57.2	117.2

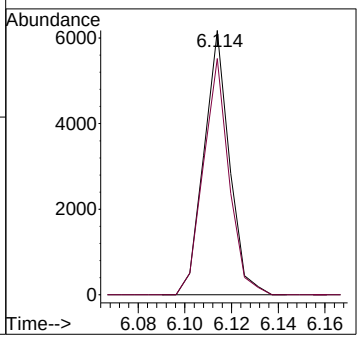


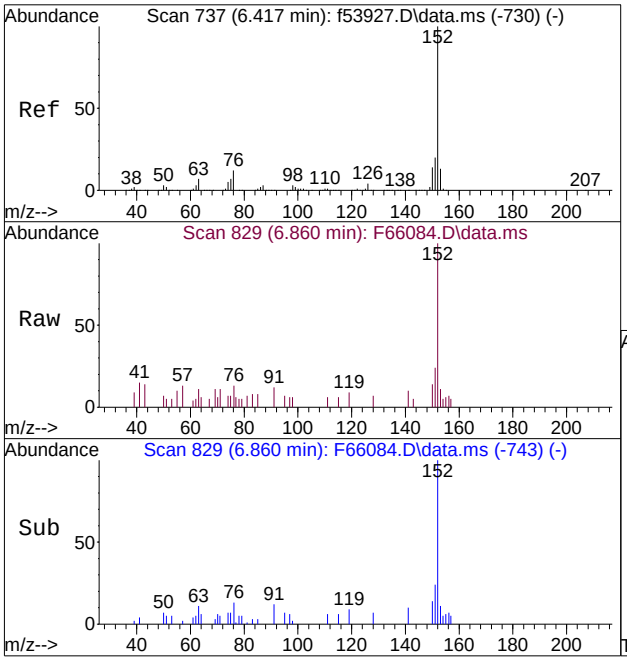


#39
1-Methylnaphthalene
Concen: 0.98 ppm
RT: 6.114 min Scan# 702
Delta R.T. 0.033 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:142 Resp: 4727

Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.0	110.0

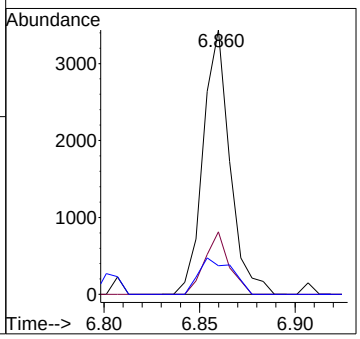


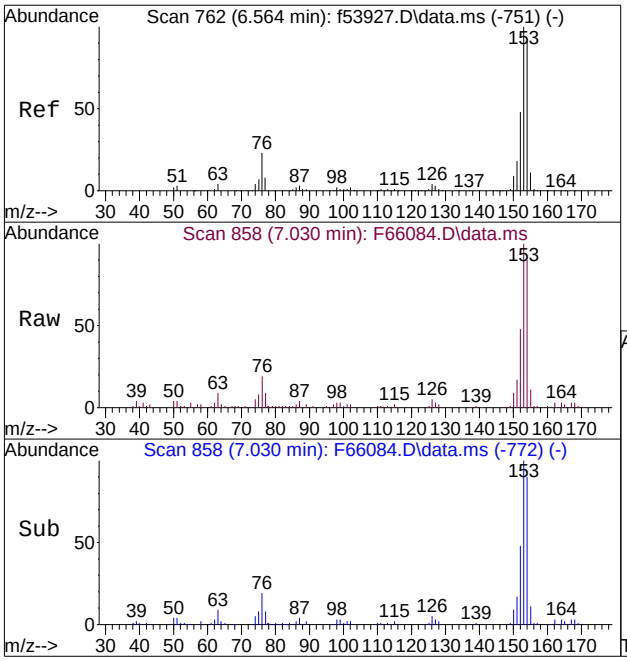


#50
Acenaphthylene
Concen: 0.44 ppm
RT: 6.860 min Scan# 829
Delta R.T. 0.006 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:152 Resp: 3359

Ion	Ratio	Lower	Upper
152	100		
151	23.7	0.0	49.3
153	10.9	0.0	43.4

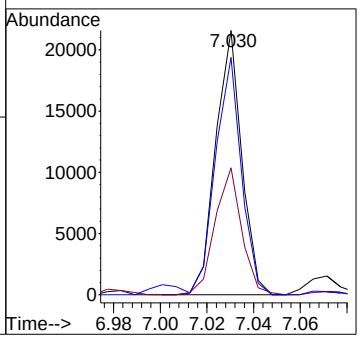


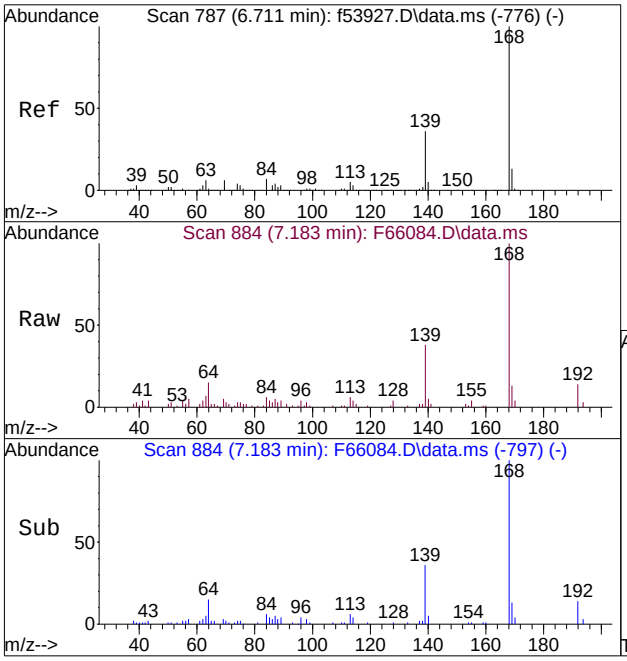


#53
Acenaphthene
Concen: 3.47 ppm
RT: 7.030 min Scan# 858
Delta R.T. 0.005 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:153 Resp: 16762

Ion	Ratio	Lower	Upper
153	100		
152	48.0	15.5	75.5
154	89.8	60.3	120.3

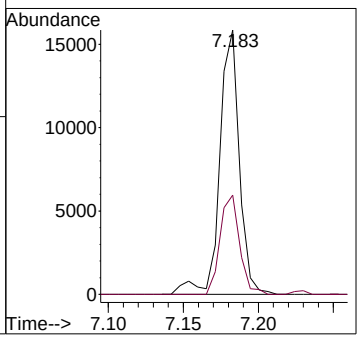


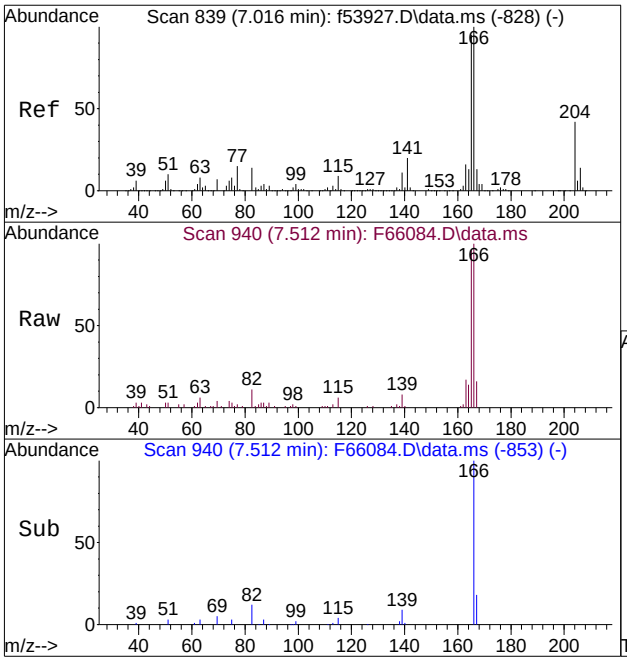


#55
Dibenzofuran
Concen: 2.00 ppm
RT: 7.183 min Scan# 884
Delta R.T. 0.010 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:168 Resp: 14479

Ion	Ratio	Lower	Upper
168	100		
139	37.5	5.2	65.2

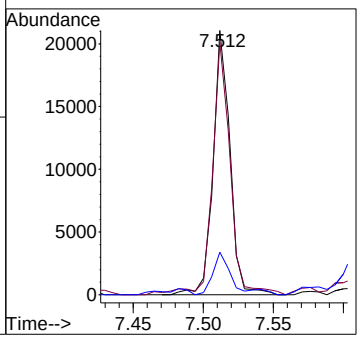


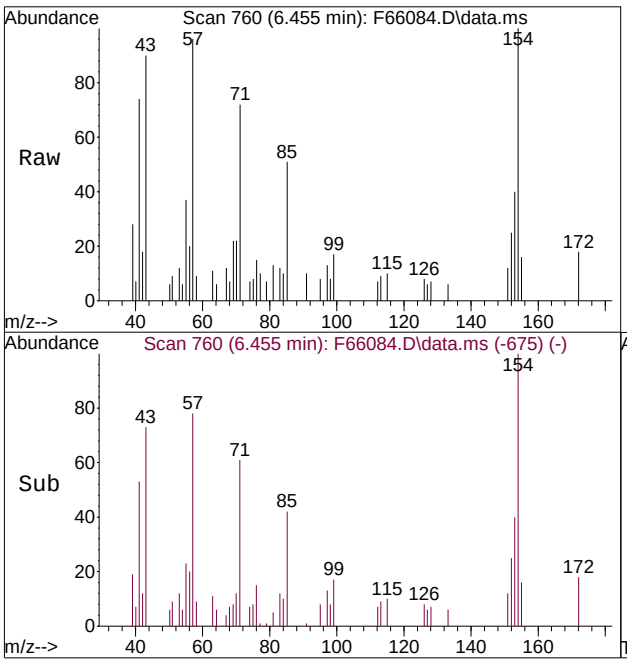


#59
Fluorene
Concen: 3.15 ppm
RT: 7.512 min Scan# 940
Delta R.T. 0.014 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:166 Resp: 17652

Ion	Ratio	Lower	Upper
166	100		
165	95.5	65.2	125.2
167	16.1	0.0	43.9

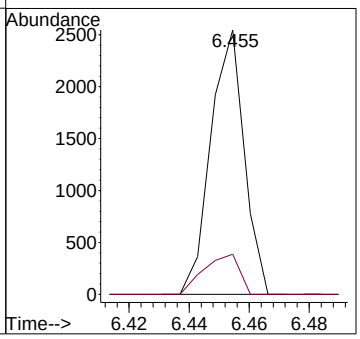


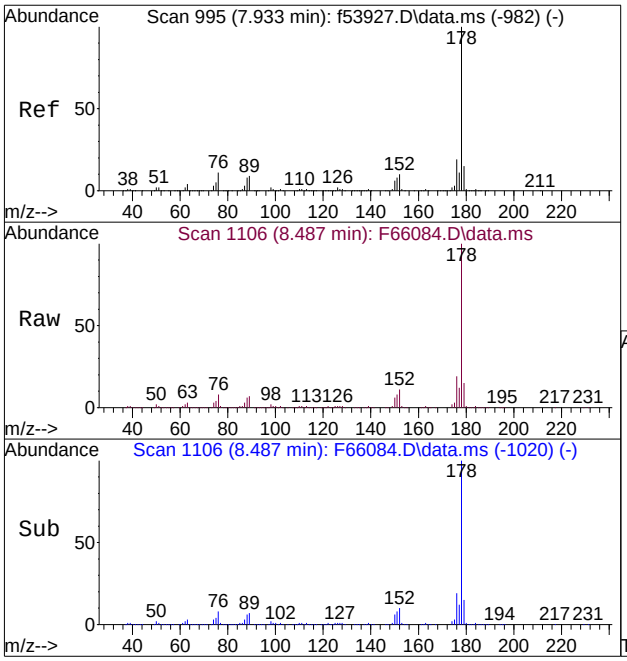


#66
1,1'-Biphenyl
Concen: 0.32 ppm
RT: 6.455 min Scan# 760
Delta R.T. 0.000 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:154 Resp: 1977

Ion	Ratio	Lower	Upper
154	100		
76	15.2	11.3	16.9

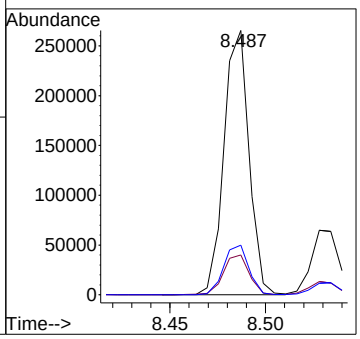


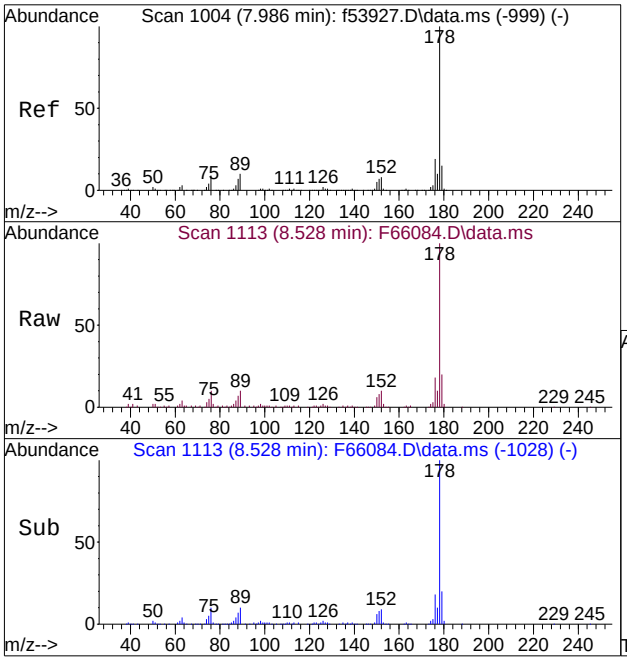


#75
Phenanthrene
Concen: 30.19 ppm
RT: 8.487 min Scan# 1106
Delta R.T. 0.006 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:178 Resp: 242308

Ion	Ratio	Lower	Upper
178	100		
179	15.1	0.0	45.2
176	18.8	0.0	48.6

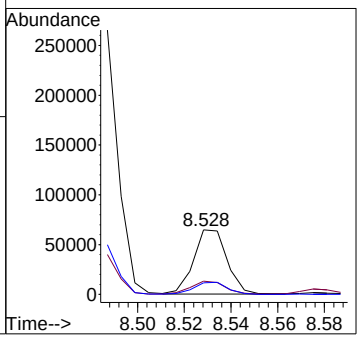


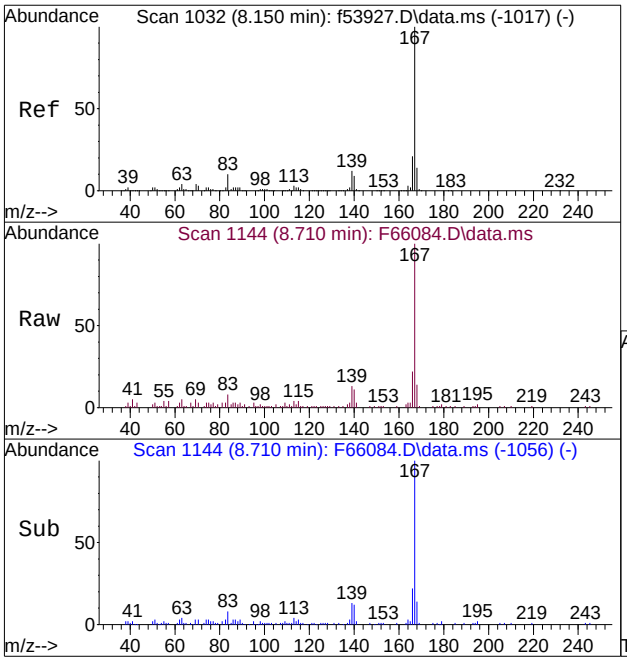


#76
Anthracene
Concen: 7.74 ppm
RT: 8.528 min Scan# 1113
Delta R.T. 0.001 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:178 Resp: 64489

Ion	Ratio	Lower	Upper
178	100		
179	19.8	0.0	45.9
176	18.1	0.0	48.6

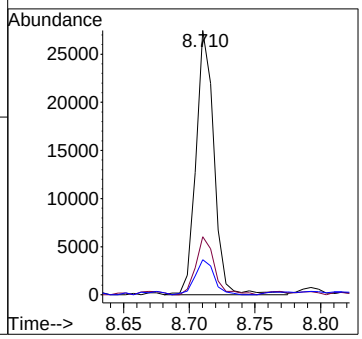


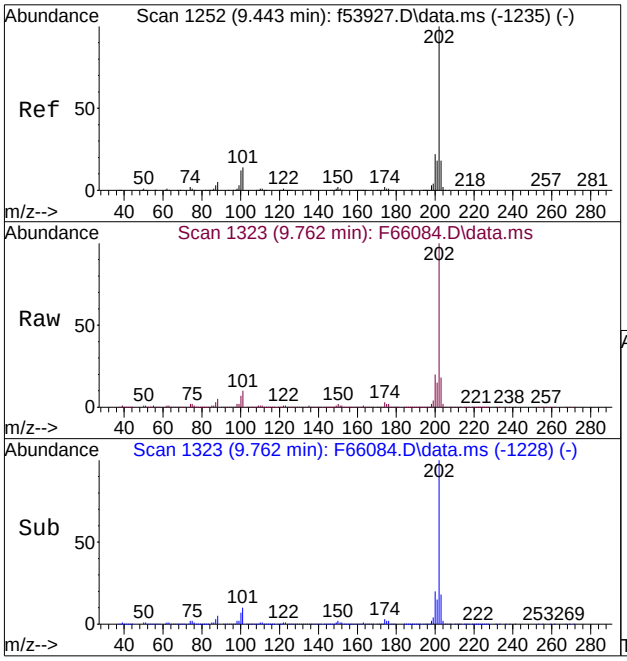


#77
Carbazole
Concen: 3.62 ppm
RT: 8.710 min Scan# 1144
Delta R.T. 0.017 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:167 Resp: 26347

Ion	Ratio	Lower	Upper
167	100		
166	21.3	0.0	50.4
139	12.5	0.0	41.6

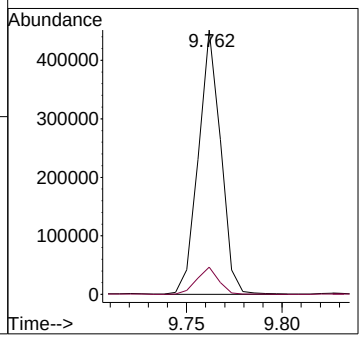


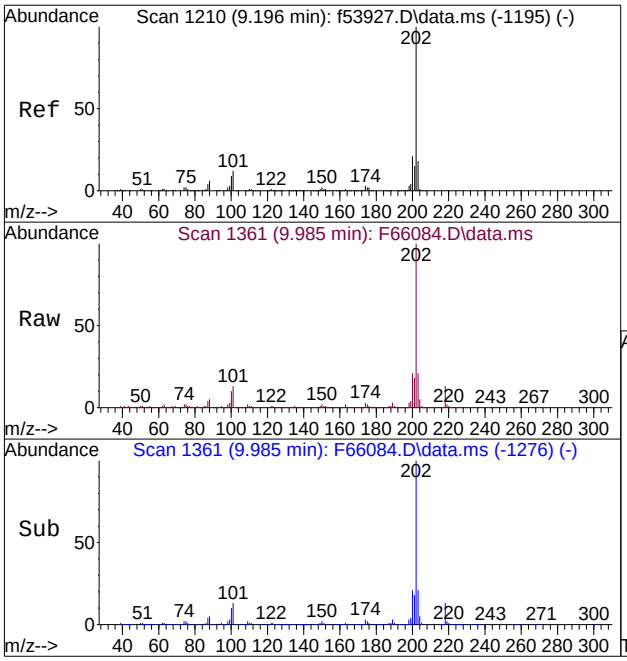


#79
Fluoranthene
Concen: 44.08 ppm
RT: 9.762 min Scan# 1323
Delta R.T. 0.056 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:202 Resp: 367740

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	41.0

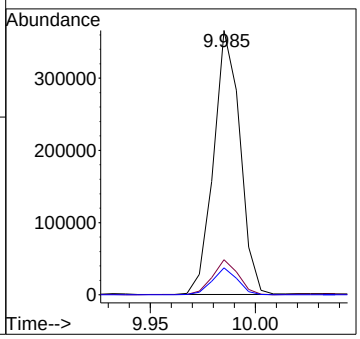


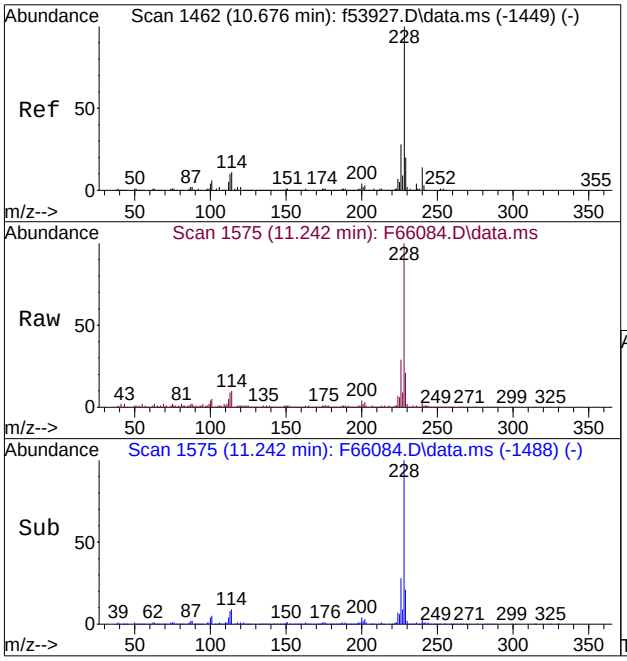


#84
Pyrene
Concen: 34.16 ppm
RT: 9.985 min Scan# 1361
Delta R.T. -0.003 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:202 Resp: 319730

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	43.1
100	10.2	0.0	40.6

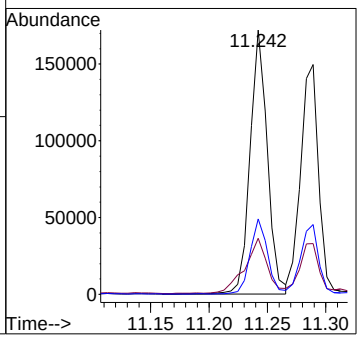


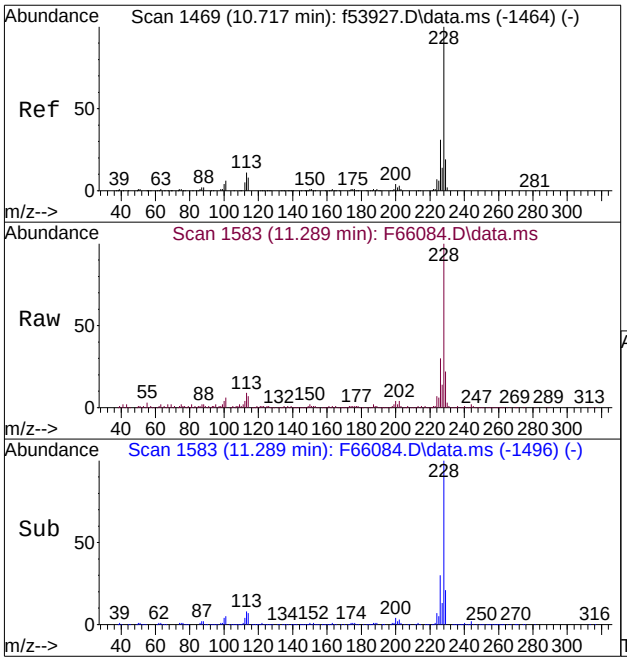


#89
Benzo[a]anthracene
Concen: 20.13 ppm
RT: 11.242 min Scan# 1575
Delta R.T. 0.011 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:228 Resp: 176706

Ion	Ratio	Lower	Upper
228	100		
229	20.9	0.0	49.1
226	28.4	0.0	56.0

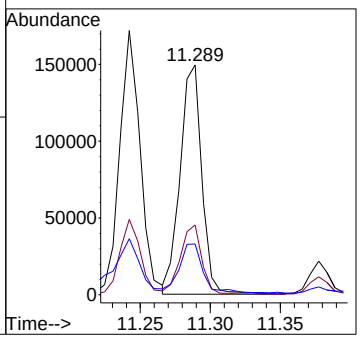


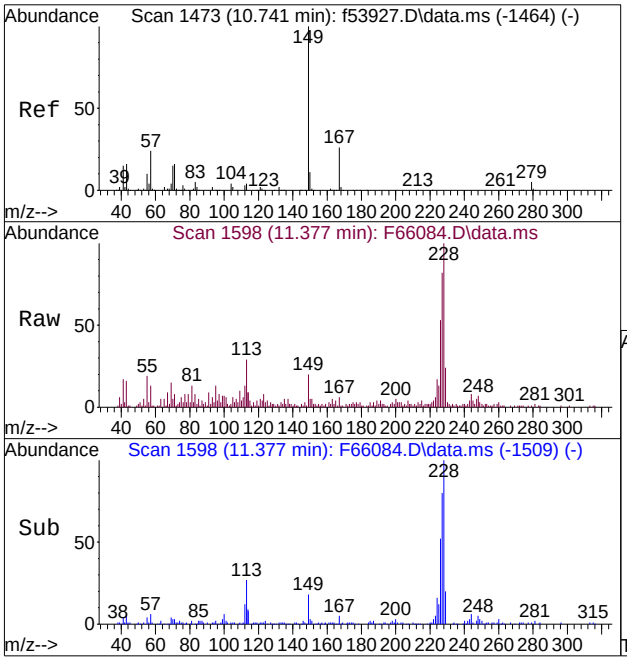


#90
Chrysene
Concen: 18.81 ppm
RT: 11.289 min Scan# 1583
Delta R.T. 0.012 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:228 Resp: 161468

Ion	Ratio	Lower	Upper
228	100		
226	30.2	0.0	59.0
229	21.4	0.0	48.7

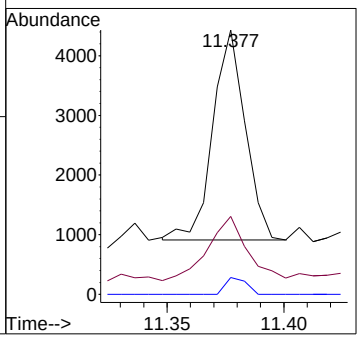


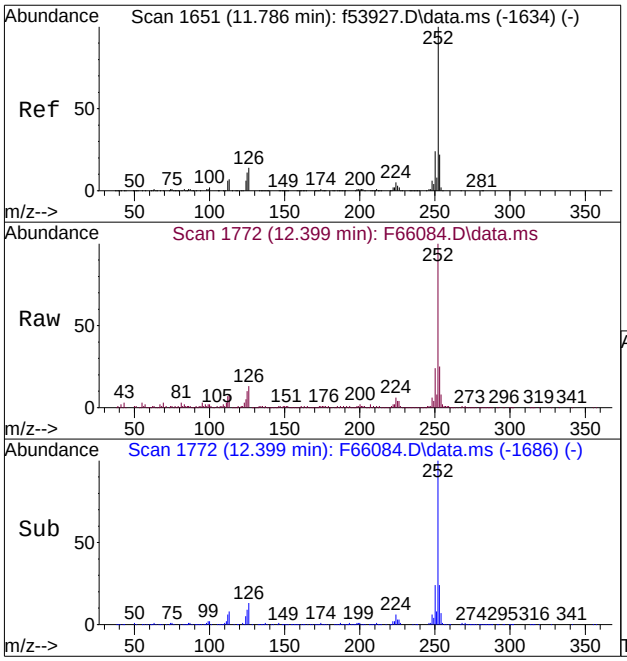


#91
bis(2-Ethylhexyl)phthalate
Concen: 0.71 ppm
RT: 11.377 min Scan# 1598
Delta R.T. 0.024 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:149 Resp: 3410

Ion	Ratio	Lower	Upper
149	100		
167	30.6	0.0	58.7
279	8.0	0.0	35.2

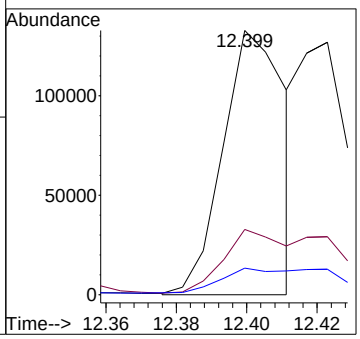


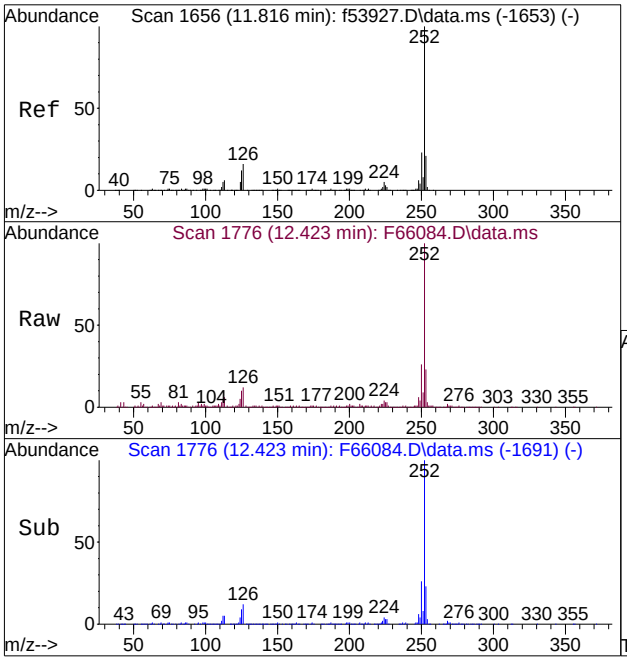


#94
Benzo[b]fluoranthene
Concen: 16.55 ppm m
RT: 12.399 min Scan# 1772
Delta R.T. 0.003 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:252 Resp: 162312

Ion	Ratio	Lower	Upper
252	100		
253	24.7	0.0	50.9
125	10.1	0.0	41.8

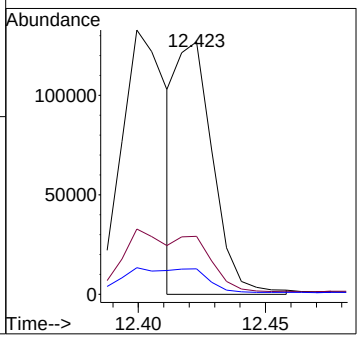


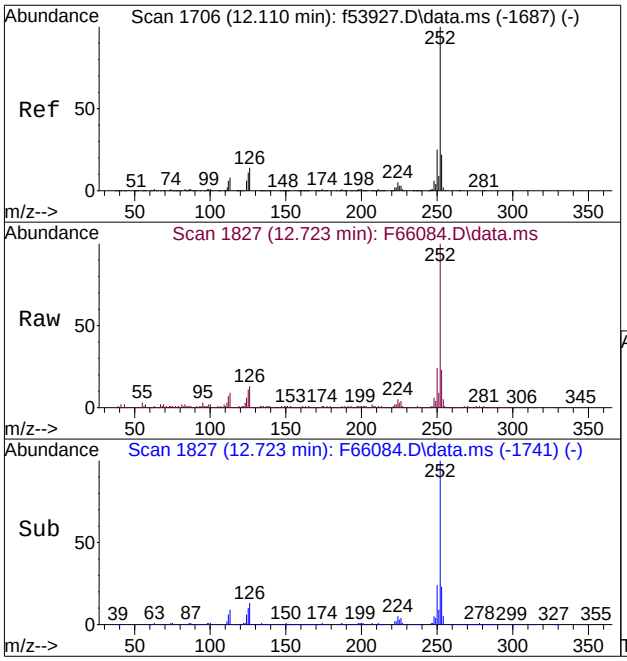


#95
Benzo[k]fluoranthene
Concen: 12.08 ppm m
RT: 12.423 min Scan# 1776
Delta R.T. -0.002 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:252 Resp: 126358

Ion	Ratio	Lower	Upper
252	100		
253	22.9	0.0	51.4
125	10.1	0.0	42.0

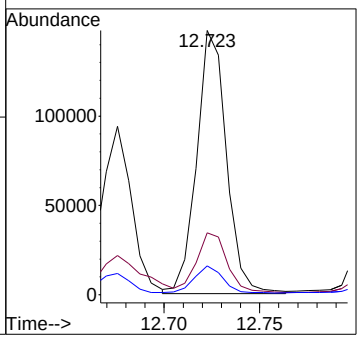


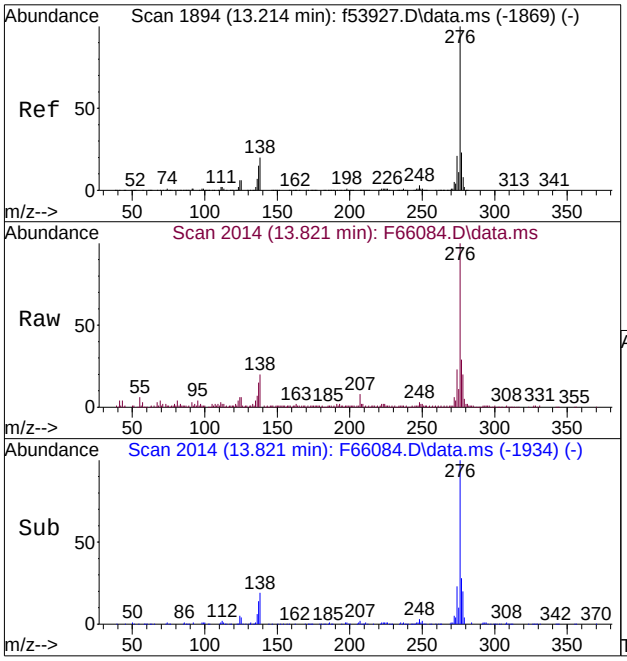


#96
Benzo[a]pyrene
Concen: 17.54 ppm
RT: 12.723 min Scan# 1827
Delta R.T. 0.003 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:252 Resp: 159619

Ion	Ratio	Lower	Upper
252	100		
253	22.8	0.0	50.5
125	10.2	0.0	43.2

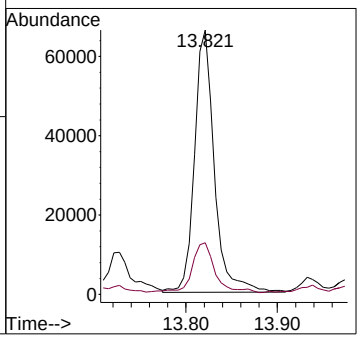


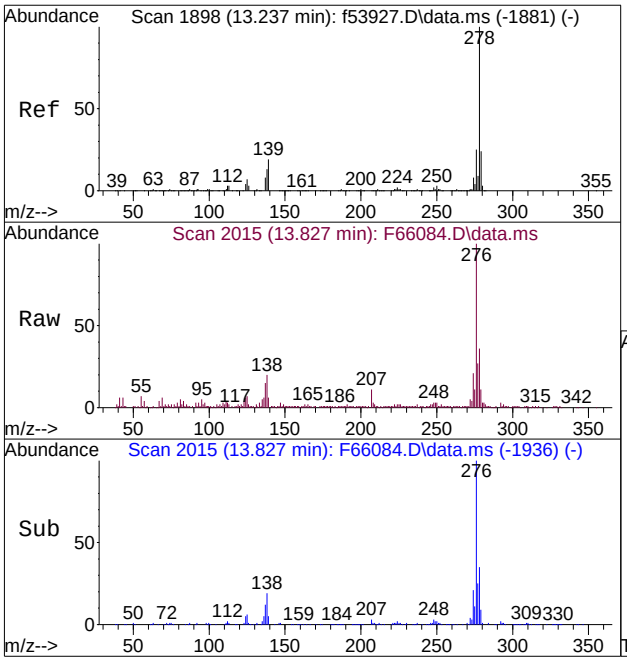


#97
Indeno[1,2,3-cd]pyrene
Concen: 8.81 ppm
RT: 13.821 min Scan# 2014
Delta R.T. -0.028 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:276 Resp: 99991

Ion	Ratio	Lower	Upper
276	100		
138	18.6	0.6	60.6

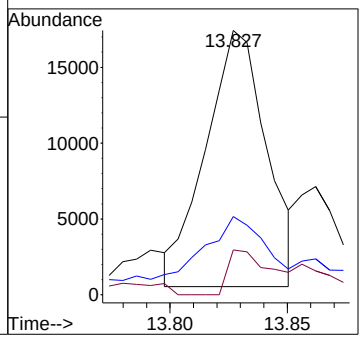


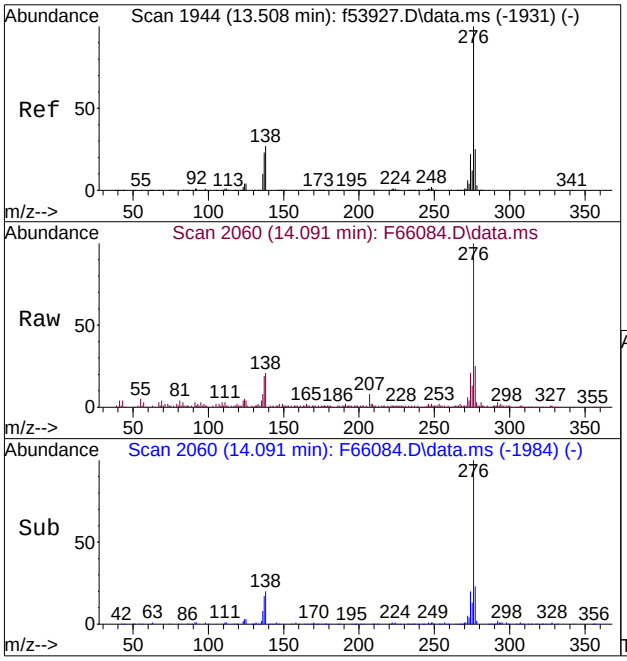


#98
Dibenz[a,h]anthracene
Concen: 3.49 ppm m
RT: 13.827 min Scan# 2015
Delta R.T. -0.034 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:278 Resp: 30517

Ion	Ratio	Lower	Upper
278	100		
139	16.9	0.0	48.9
279	29.6	0.0	54.2

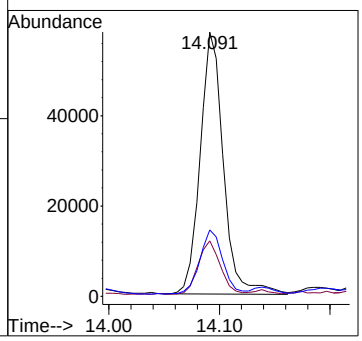




#99
Benzo[g,h,i]perylene
Concen: 8.81 ppm
RT: 14.091 min Scan# 2060
Delta R.T. -0.053 min
Lab File: F66084.D
Acq: 9 Aug 2013 7:04 pm

Tgt Ion:276 Resp: 84883

Ion	Ratio	Lower	Upper
276	100		
138	20.3	0.0	55.6
277	24.5	0.0	53.3



LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66084.D
Acq On : 9 Aug 2013 7:04 pm
Operator : KRISTINR
Sample : MC23272-5
Misc : OP34292,MSF3058,20.50,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

Signal : TIC: F66084.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.777	128	134	139	rVV3	20453	24628	1.58%	0.123%
2	2.983	166	169	184	rVV	589317	478080	30.77%	2.388%
3	3.247	211	214	229	rVV	391224	316094	20.34%	1.579%
4	3.406	237	241	246	rVB2	30709	25904	1.67%	0.129%
5	3.752	295	300	304	rVV	114694	85702	5.52%	0.428%
6	3.976	333	338	348	rVV	294089	333877	21.49%	1.668%
7	4.046	348	350	356	rVV	72024	56125	3.61%	0.280%
8	4.105	356	360	368	rVB2	54530	44842	2.89%	0.224%
9	4.234	374	382	390	rBV	688773	527431	33.94%	2.635%
10	4.733	459	467	481	rBV	392473	364198	23.44%	1.820%
11	5.362	564	574	585	rBV	837477	740704	47.67%	3.701%
12	5.920	663	669	676	rBV	61229	48015	3.09%	0.240%
13	6.014	682	685	690	rVB	27633	23251	1.50%	0.116%
14	6.114	697	702	709	rBV	26416	26637	1.71%	0.133%
15	6.372	742	746	754	rBV	907946	695525	44.76%	3.475%
16	6.449	754	759	764	rVB2	57386	51148	3.29%	0.256%
17	6.678	795	798	806	rVV4	22509	42872	2.76%	0.214%
18	6.942	840	843	847	rBV	53295	43467	2.80%	0.217%
19	7.001	847	853	856	rVV	1001001	781246	50.27%	3.903%
20	7.030	856	858	862	rVV	88764	68428	4.40%	0.342%
21	7.183	876	884	889	rBV	50386	75754	4.87%	0.378%
22	7.418	921	924	928	rVB	52058	44852	2.89%	0.224%
23	7.512	937	940	948	rVB	67709	66379	4.27%	0.332%
24	7.641	958	962	966	rVV4	16564	23163	1.49%	0.116%
25	7.682	966	969	973	rVB	26136	24951	1.61%	0.125%
26	7.770	978	984	1001	rVV2	255484	345385	22.23%	1.726%
27	7.888	1001	1004	1007	rBV2	48021	42966	2.76%	0.215%
28	8.217	1057	1060	1063	rBV3	18640	23291	1.50%	0.116%
29	8.270	1066	1069	1072	rVV	29089	26685	1.72%	0.133%
30	8.352	1080	1083	1089	rVB	75977	72179	4.64%	0.361%
31	8.464	1096	1102	1104	rBV	891654	906710	58.35%	4.530%
32	8.487	1104	1106	1109	rVV	645037	534473	34.39%	2.670%
33	8.528	1109	1113	1119	rVV	163288	176390	11.35%	0.881%
34	8.710	1135	1144	1149	rVV2	67794	87546	5.63%	0.437%
35	8.810	1157	1161	1171	rBV4	51188	77479	4.99%	0.387%
36	9.010	1188	1195	1197	rBV	87164	95607	6.15%	0.478%
37	9.039	1197	1200	1203	rVV	109304	97509	6.27%	0.487%
38	9.080	1203	1207	1212	rVB	75361	74704	4.81%	0.373%
39	9.133	1212	1216	1227	rBV	150574	221634	14.26%	1.107%
40	9.257	1235	1237	1243	rVV3	25787	29285	1.88%	0.146%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66084.D
Acq On : 9 Aug 2013 7:04 pm
Operator : KRISTINR
Sample : MC23272-5
Misc : OP34292,MSF3058,20.50,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

41	9.333	1246	1250	1252	rBV	56586	53569	3.45%	0.268%
42	9.357	1252	1254	1262	rVB2	57240	53788	3.46%	0.269%
43	9.497	1274	1278	1281	rBV2	27162	28025	1.80%	0.140%
44	9.539	1281	1285	1292	rVB	29241	47037	3.03%	0.235%
45	9.621	1292	1299	1302	rBV	57930	81490	5.24%	0.407%
46	9.650	1302	1304	1306	rBV2	37623	31904	2.05%	0.159%
47	9.674	1306	1308	1310	rBV	34147	23075	1.48%	0.115%
48	9.762	1318	1323	1331	rVB	1023475	846556	54.48%	4.229%
49	9.826	1331	1334	1341	rBV3	31134	50454	3.25%	0.252%
50	9.915	1345	1349	1357	rBV2	76276	98314	6.33%	0.491%
51	9.985	1357	1361	1366	rVV	973736	838194	53.94%	4.188%
52	10.056	1369	1373	1376	rVB	76339	70608	4.54%	0.353%
53	10.114	1376	1383	1385	rBV2	48002	73423	4.72%	0.367%
54	10.161	1385	1391	1396	rVV	1136539	948472	61.04%	4.739%
55	10.226	1396	1402	1408	rVV3	55225	114749	7.38%	0.573%
56	10.291	1409	1413	1415	rVV5	17121	27867	1.79%	0.139%
57	10.332	1415	1420	1425	rVB	156226	187312	12.05%	0.936%
58	10.396	1428	1431	1435	rBV2	61075	100699	6.48%	0.503%
59	10.437	1435	1438	1452	rVV3	85781	179118	11.53%	0.895%
60	10.531	1452	1454	1457	rVV	46521	47054	3.03%	0.235%
61	10.567	1457	1460	1485	rVB5	49278	145092	9.34%	0.725%
62	10.790	1494	1498	1504	rVB	62823	84239	5.42%	0.421%
63	10.872	1508	1512	1523	rVB	64974	98438	6.33%	0.492%
64	10.984	1528	1531	1535	rBV2	72138	86515	5.57%	0.432%
65	11.019	1535	1537	1545	rVV3	66779	138151	8.89%	0.690%
66	11.089	1546	1549	1557	rVV2	74378	83990	5.40%	0.420%
67	11.154	1557	1560	1568	rVV2	61095	70354	4.53%	0.351%
68	11.260	1568	1578	1581	rBV2	1040889	1553964	100.00%	7.764%
69	11.283	1581	1582	1594	rVB	388254	377650	24.30%	1.887%
70	11.377	1594	1598	1603	rBV	102724	107360	6.91%	0.536%
71	11.465	1610	1613	1616	rBV2	38991	40973	2.64%	0.205%
72	11.518	1617	1622	1637	rVB4	61838	118291	7.61%	0.591%
73	11.659	1638	1646	1650	rBV4	22238	50842	3.27%	0.254%
74	11.706	1650	1654	1658	rBV	73220	92770	5.97%	0.463%
75	11.747	1658	1661	1667	rVB	54377	55051	3.54%	0.275%
76	11.806	1667	1671	1675	rVB3	43479	58387	3.76%	0.292%
77	11.871	1675	1682	1686	rBV6	87205	144298	9.29%	0.721%
78	12.053	1710	1713	1735	rBV10	31195	139034	8.95%	0.695%
79	12.211	1737	1740	1744	rBV2	32607	35005	2.25%	0.175%
80	12.399	1767	1772	1785	rBV2	363553	804672	51.78%	4.020%
81	12.505	1786	1790	1794	rVV2	88644	102562	6.60%	0.512%
82	12.552	1794	1798	1803	rVV3	36230	52932	3.41%	0.264%
83	12.611	1804	1808	1814	rVV3	34850	75102	4.83%	0.375%
84	12.676	1814	1819	1824	rVV	239114	289650	18.64%	1.447%
85	12.723	1824	1827	1832	rVV	374997	381695	24.56%	1.907%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66084.D
Acq On : 9 Aug 2013 7:04 pm
Operator : KRISTINR
Sample : MC23272-5
Misc : OP34292,MSF3058,20.50,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

86	12.781	1832	1837	1846	rVV2	873880	1114220	71.70%	5.567%
87	12.881	1851	1854	1861	rVB4	36860	51782	3.33%	0.259%
88	12.946	1862	1865	1869	rBV4	27792	37772	2.43%	0.189%
89	13.204	1905	1909	1926	rVB5	41883	136433	8.78%	0.682%
90	13.328	1926	1930	1961	rVB5	47018	158539	10.20%	0.792%
91	13.627	1978	1981	1990	rVB7	55872	107596	6.92%	0.538%
92	13.704	1991	1994	1996	rBV2	37061	47400	3.05%	0.237%
93	13.821	2009	2014	2030	rVB2	198419	354545	22.82%	1.771%
94	13.933	2030	2033	2037	rVV2	37703	54728	3.52%	0.273%
95	13.980	2037	2041	2055	rVB4	43456	120731	7.77%	0.603%
96	14.091	2055	2060	2080	rBV	142320	201711	12.98%	1.008%
97	14.238	2082	2085	2157	rVB4	55712	456290	29.36%	2.280%
98	15.460	2286	2293	2307	rVB2	44954	113526	7.31%	0.567%
99	15.572	2307	2312	2320	rBV3	24096	68206	4.39%	0.341%
100	16.153	2402	2411	2417	rBV5	23843	78780	5.07%	0.394%

Sum of corrected areas: 20016100

LSC Report - Integrated Chromatogram

```
Data Path : F:\1\DATA\F130809\
Data File : F66084.D
Acq On    :  9 Aug 2013   7:04 pm
Operator  : KRISTINR
Sample    : MC23272-5
Misc      : OP34292,MSF3058,20.50,,,1,1
ALS Vial  : 16   Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title  : SW-864 Method 8270

TIC Library   : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P
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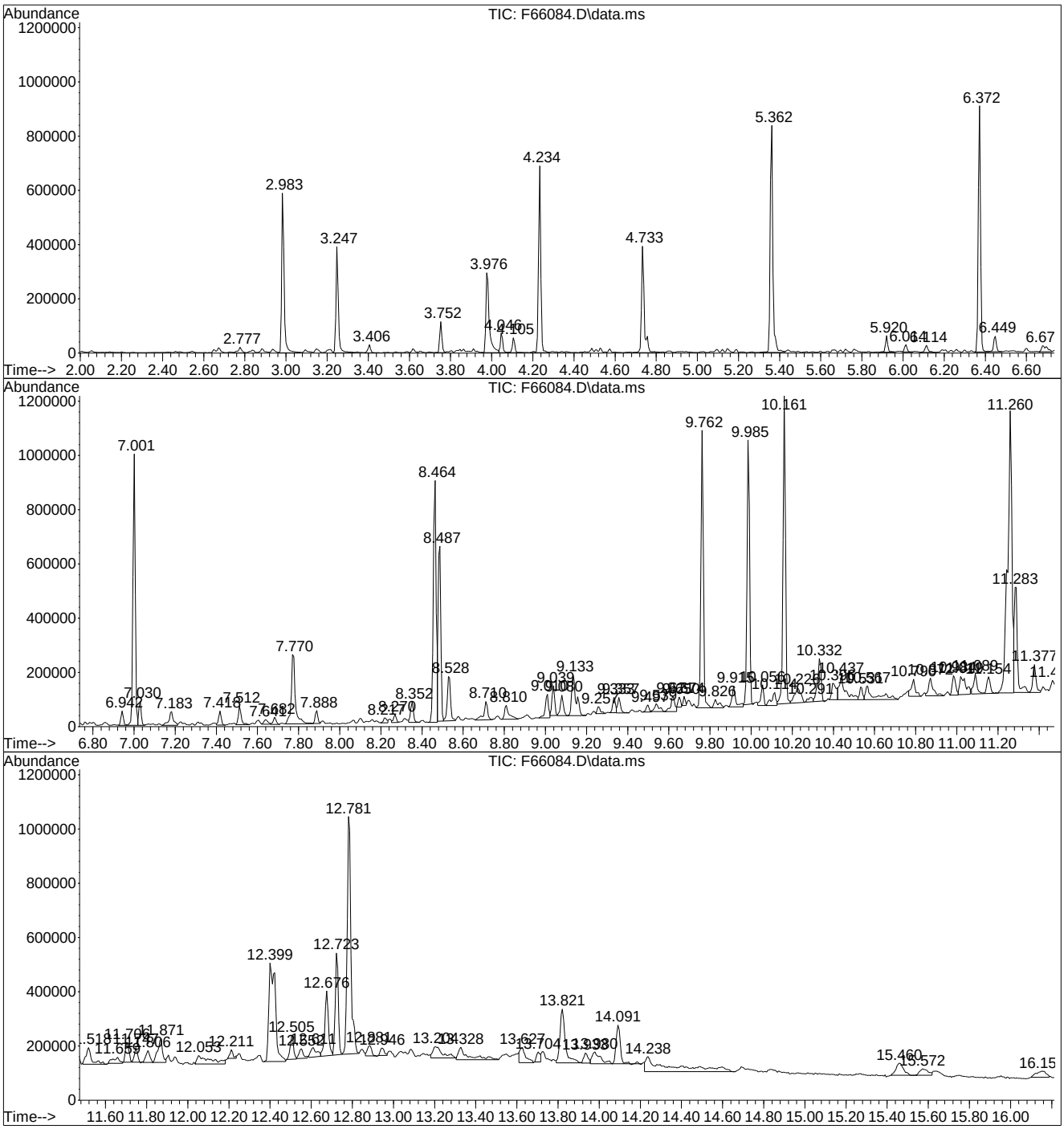


ACCUTEST LABORATORIES MC23272

Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66084.D
Acq On : 9 Aug 2013 7:04 pm
Operator : KRISTINR
Sample : MC23272-5
Misc : OP34292,MSF3058,20.50,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

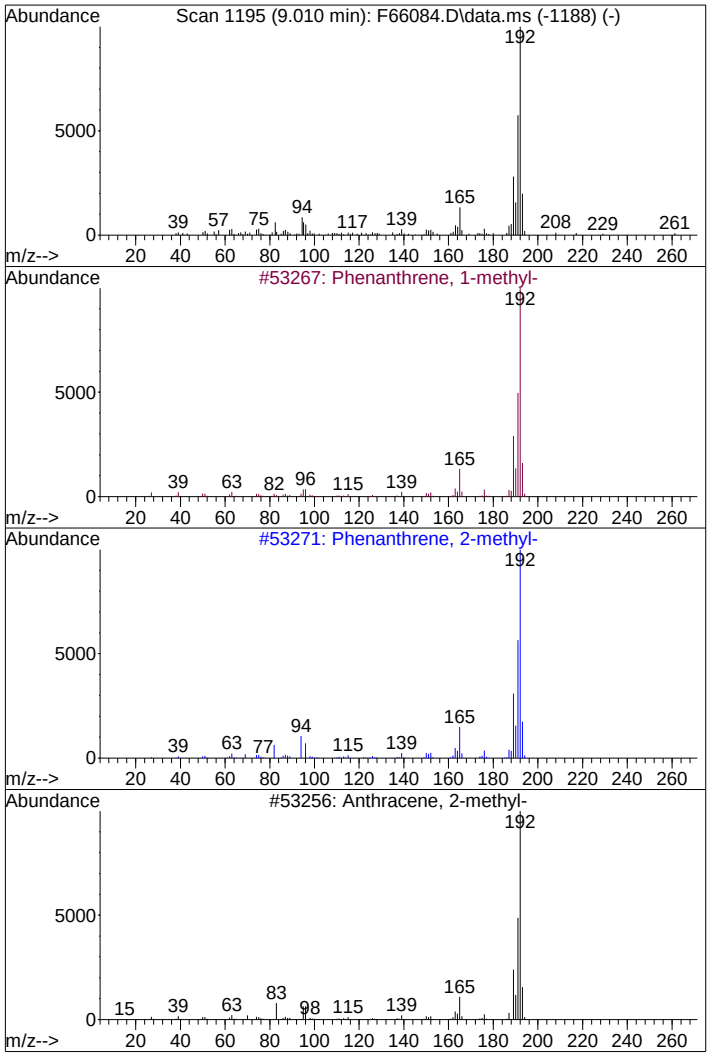
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

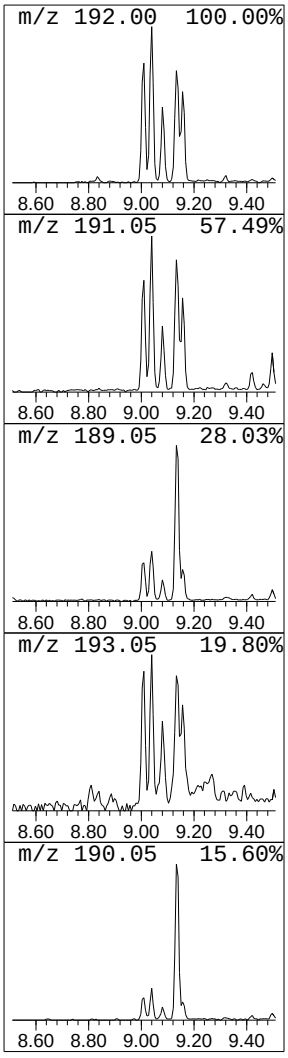
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.010	4.22 ppm	95607	Phenanthrene-d10a	8.464

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66084.D
Acq On : 9 Aug 2013 7:04 pm
Operator : KRISTINR
Sample : MC23272-5
Misc : OP34292,MSF3058,20.50,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

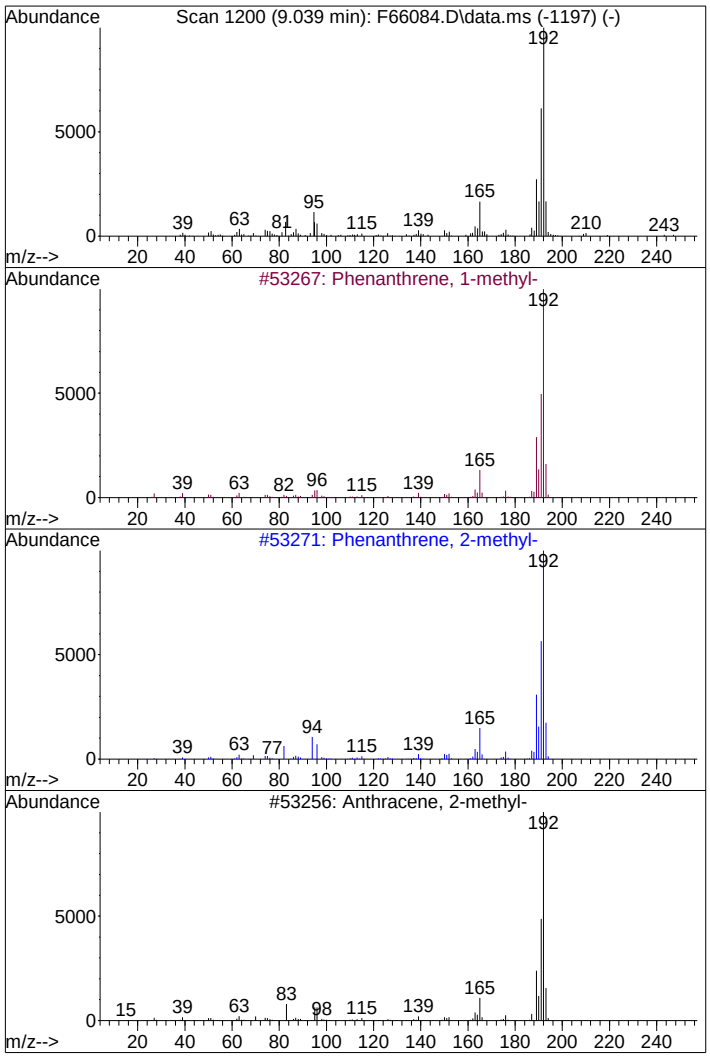
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

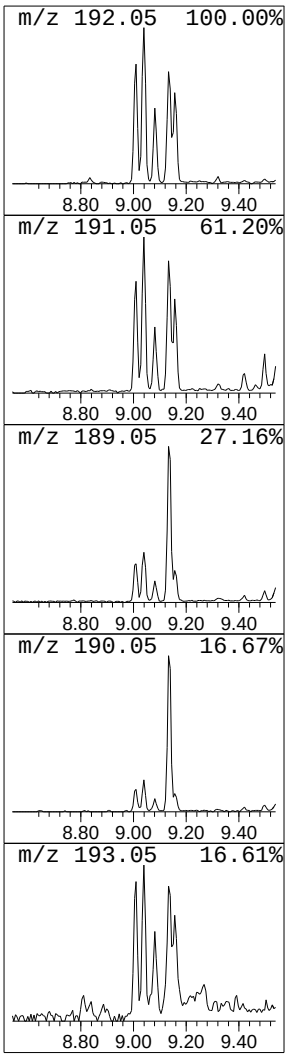
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.039	4.30 ppm	97509	Phenanthrene-d10a	8.464

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66084.D
Acq On : 9 Aug 2013 7:04 pm
Operator : KRISTINR
Sample : MC23272-5
Misc : OP34292,MSF3058,20.50,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

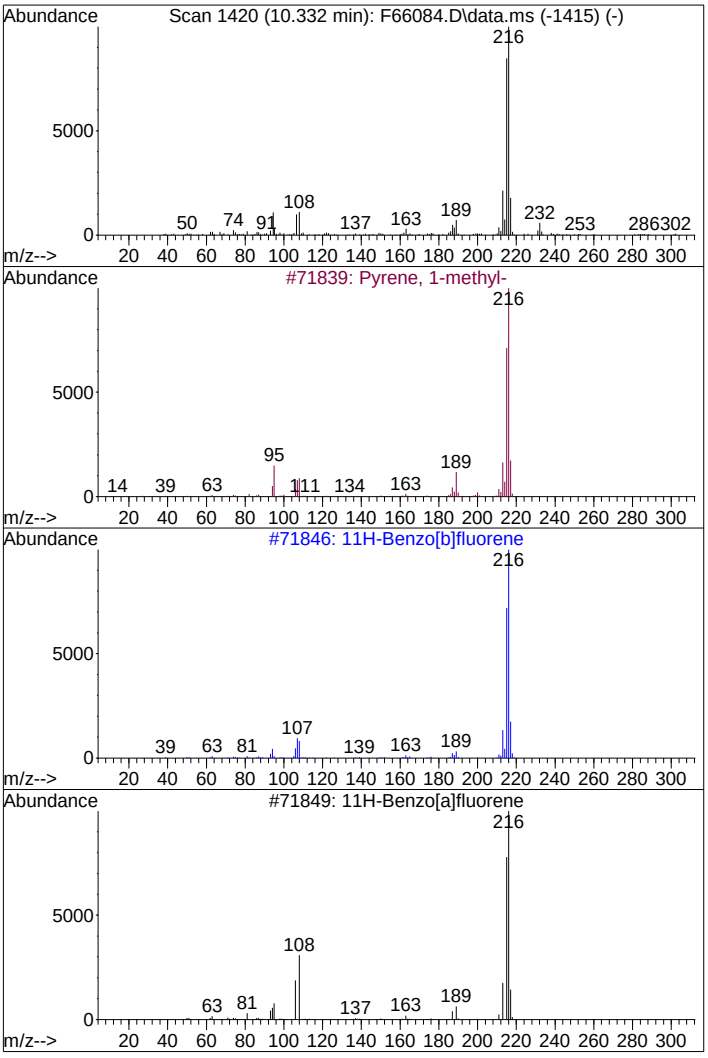
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

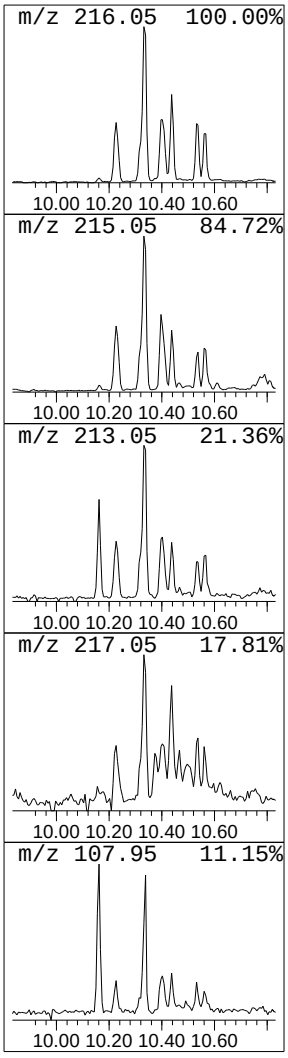
****

Peak Number 7 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.332	4.82 ppm	187312	Chrysene-d12	11.260

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66084.D
Acq On : 9 Aug 2013 7:04 pm
Operator : KRISTINR
Sample : MC23272-5
Misc : OP34292,MSF3058,20.50,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

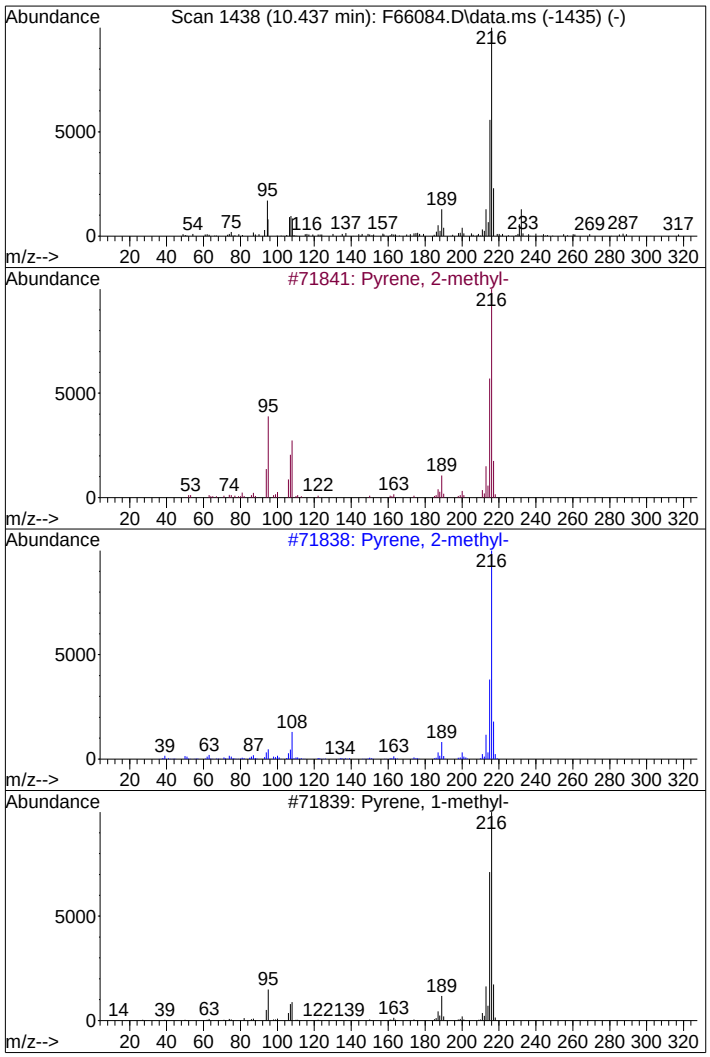
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

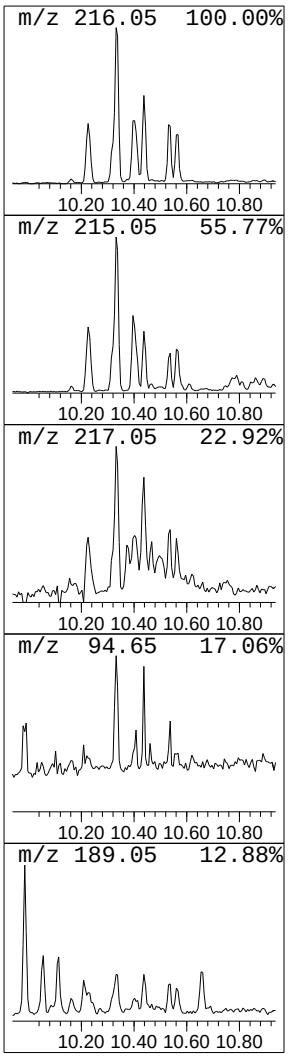
****

Peak Number 8 Pyrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.437	4.61 ppm	179118	Chrysene-d12	11.260

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66084.D
Acq On : 9 Aug 2013 7:04 pm
Operator : KRISTINR
Sample : MC23272-5
Misc : OP34292,MSF3058,20.50,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

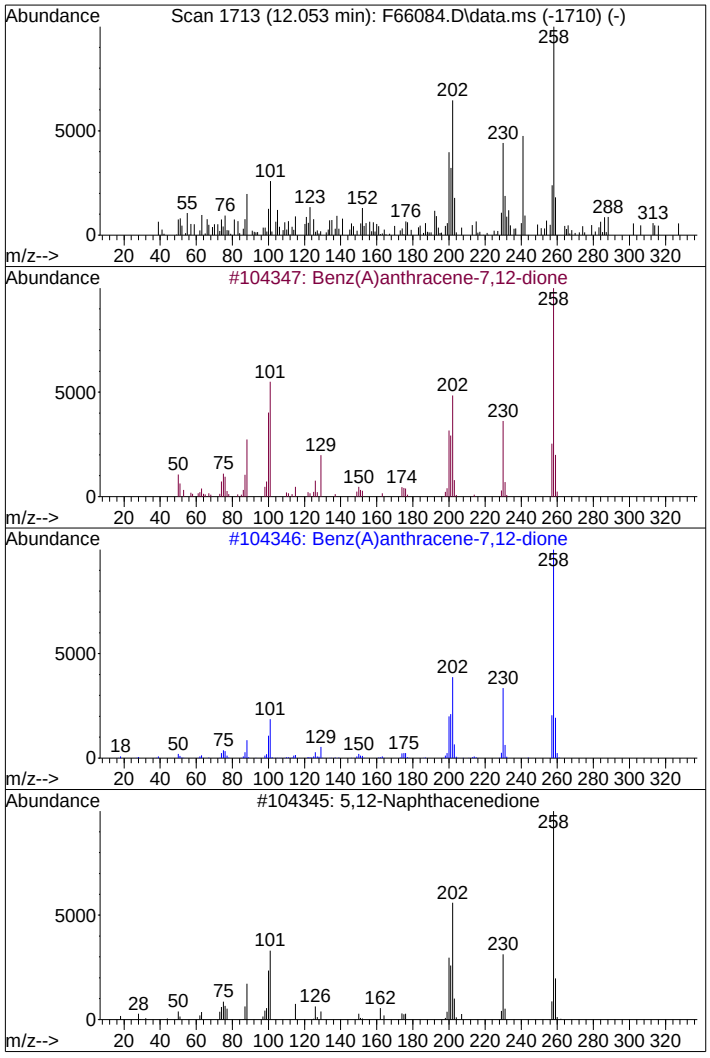
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

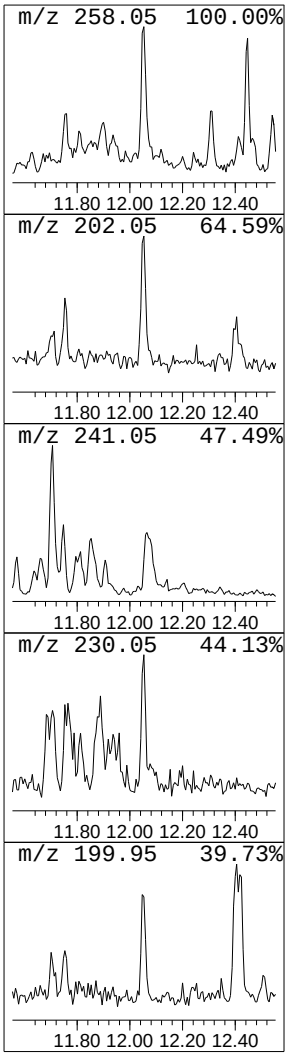
****

Peak Number 9 Benz(A)anthracene-7,12-dione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.053	4.99 ppm	139034	Perylene-d12	12.781

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	90
2	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	90
3	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	76
4	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	70
5	1,4-Chrysenequinone	258	C18H10O2	100900-16-1	60





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66084.D
Acq On : 9 Aug 2013 7:04 pm
Operator : KRISTINR
Sample : MC23272-5
Misc : OP34292,MSF3058,20.50,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

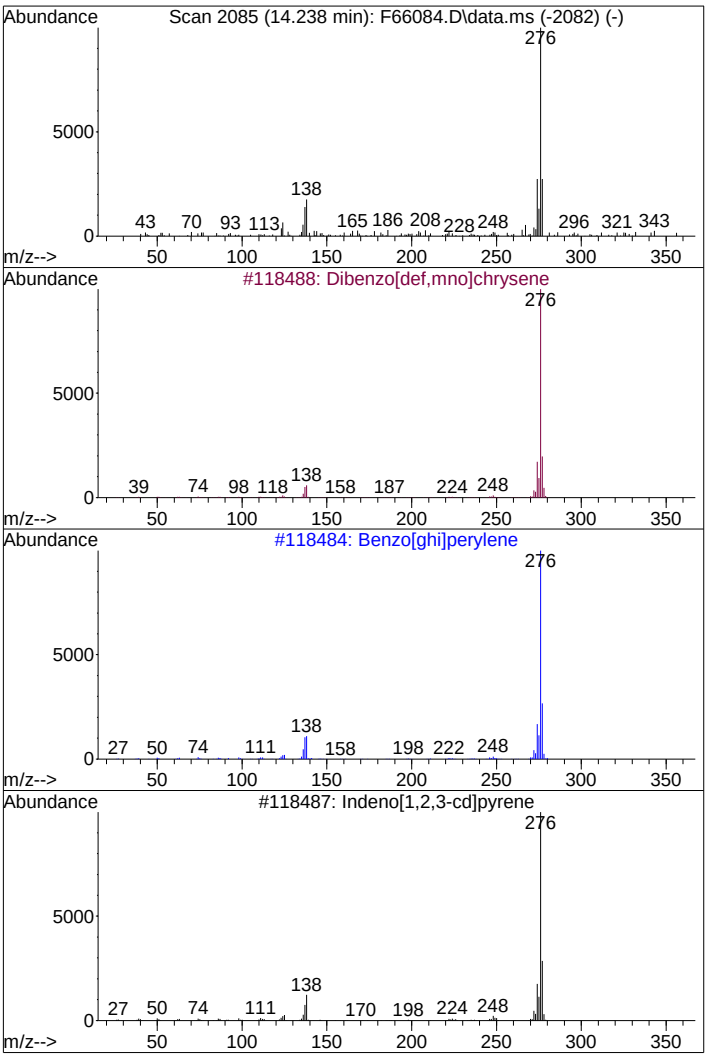
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

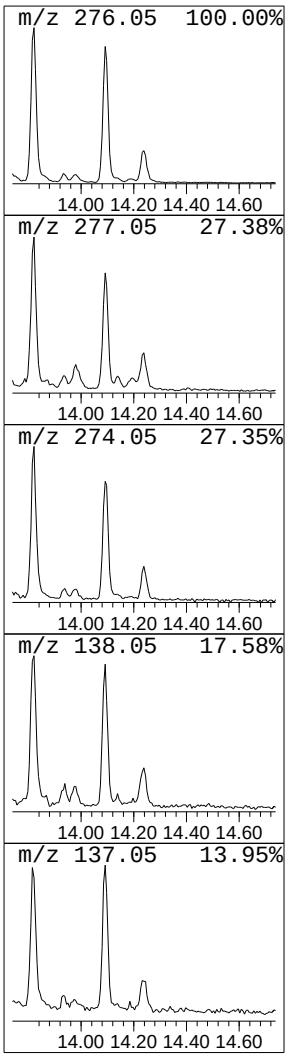
****

Peak Number 13 Dibenzo[def,mno]chrysene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.238	16.38 ppm	456290	Perylene-d12	12.781

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	81
4	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	81
5	Benzo[ghi]perylene	276	C22H12	000191-24-2	81





Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66084.D
Acq On : 9 Aug 2013 7:04 pm
Operator : KRISTINR
Sample : MC23272-5
Misc : OP34292,MSF3058,20.50,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

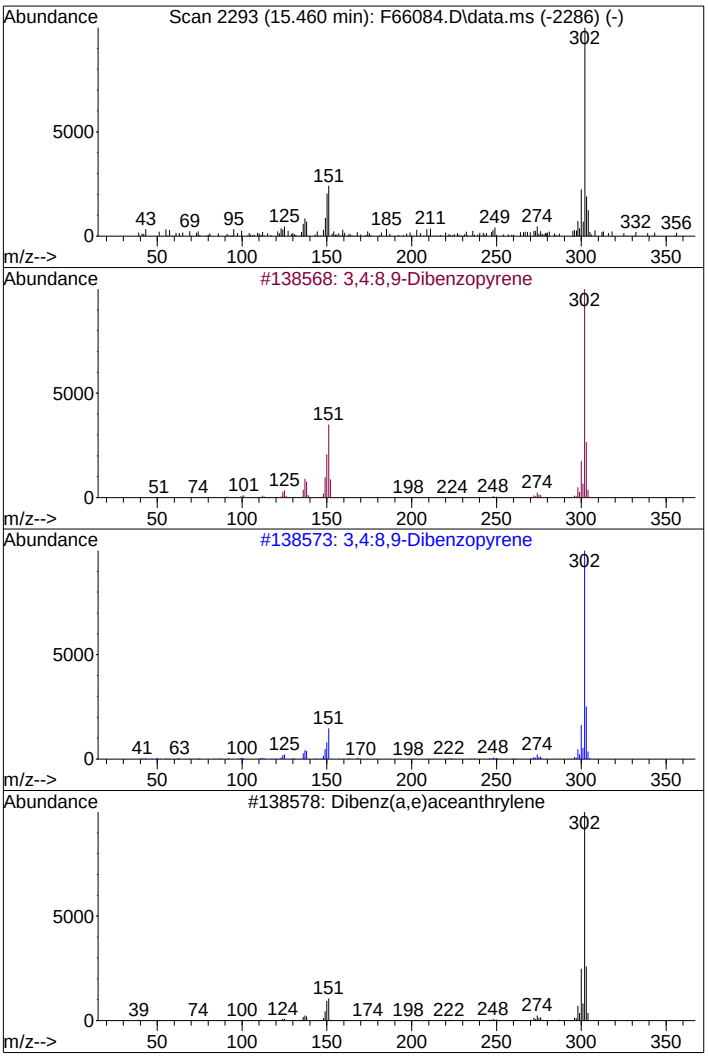
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

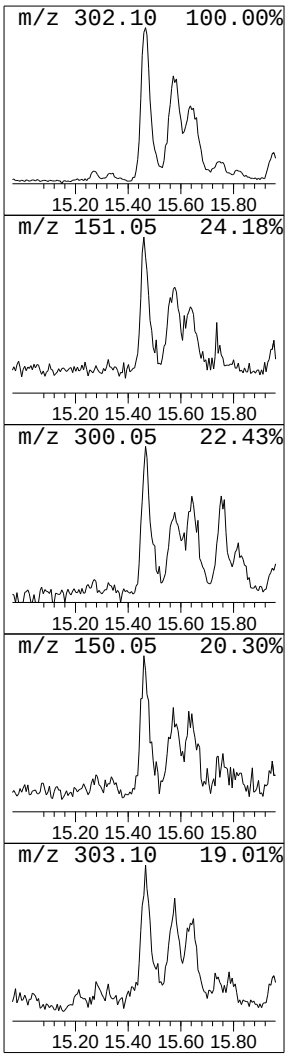
****

Peak Number 14 3,4:8,9-Dibenzopyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.460	4.08 ppm	113526	Perylene-d12	12.781

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	95
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	95
3	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	95
4	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	93
5	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	93





Tentatively Identified Compound (LSC) summary

Data Path : F:\1\DATA\F130809\
Data File : F66084.D
Acq On : 9 Aug 2013 7:04 pm
Operator : KRISTINR
Sample : MC23272-5
Misc : OP34292,MSF3058,20.50,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Phenanthrene, 2...	9.010	4.2	ppm	95607	9	8.464	906710	40.0
Anthracene, 2-m...	9.039	4.3	ppm	97509	9	8.464	906710	40.0
Pyrene, 1-methyl-	10.332	4.8	ppm	187312	10	11.260	1553960	40.0
Pyrene, 2-methyl-	10.437	4.6	ppm	179118	10	11.260	1553960	40.0
Benz(A)anthrace...	12.053	5.0	ppm	139034	11	12.781	1114220	40.0
Dibenzo[def,mno...	14.238	16.4	ppm	456290	11	12.781	1114220	40.0
3,4:8,9-Dibenzo...	15.460	4.1	ppm	113526	11	12.781	1114220	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 08/19/13 15:31

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66085.D
Acq On : 9 Aug 2013 7:28 pm
Operator : KRISTINR
Sample : MC23272-6
Misc : OP34292,MSF3058,20.17,,,1,5
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 14 17:06:49 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

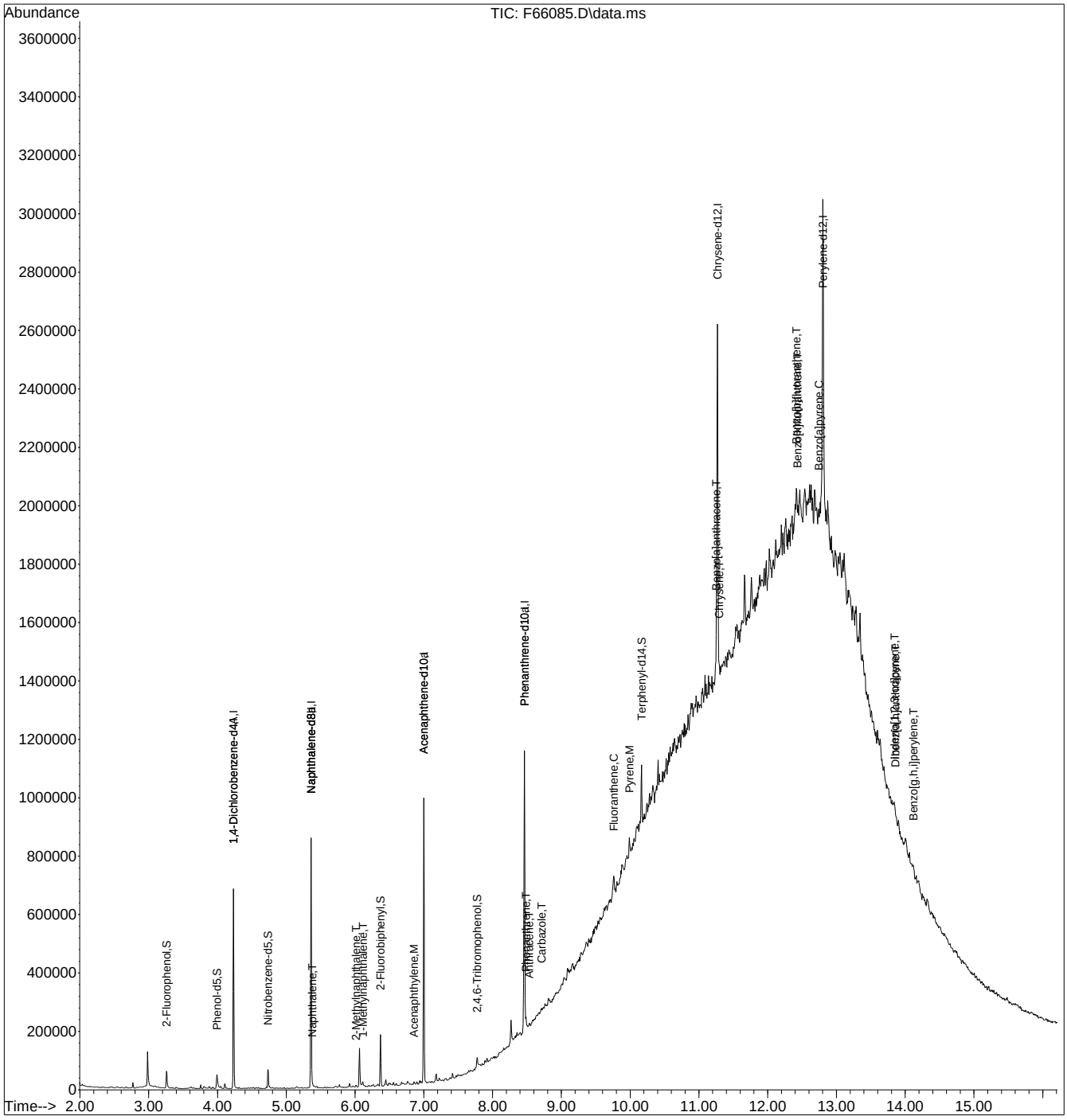
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.232	152	77332	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.232	152	77332	40.00	PPM	0.00
23) Naphthalene-d8	5.360	136	290501	40.00	ppm	0.00
41) Naphthalene-d8a	5.360	136	290501	40.00	ppm	0.00
43) Acenaphthene-d10	6.999	164	175334	40.00	ppm	0.00
65) Acenaphthene-d10a	6.999	164	175334	40.00	ppm	0.00
67) Phenanthrene-d10	8.462	188	308690	40.00	ppm	0.00
80) Phenanthrene-d10a	8.462	188	308690	40.00	ppm	0.00
82) Chrysene-d12	11.270	240	423816	40.00	ppm	0.02
92) Perylene-d12	12.803	264	455000	40.00	ppm	0.03
100) Naphthalene-d8b	5.360	136	290501	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.257	112	14678	6.51	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.51%#			
7) Phenol-d5	3.992	99	19874	6.93	ppm	0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.93%#			
24) Nitrobenzene-d5	4.732	82	19464	7.16	ppm	-0.01
Spiked Amount 50.000	Range 30 - 130		Recovery = 14.32%#			
48) 2-Fluorobiphenyl	6.371	172	43592	7.39	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 14.78%#			
71) 2,4,6-Tribromophenol	7.775	330	6016	6.08	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.08%#			
85) Terphenyl-d14	10.166	244	61464	6.83	ppm	0.01
Spiked Amount 50.000	Range 30 - 130		Recovery = 13.66%#			
Target Compounds						Qvalue
33) Naphthalene	5.378	128	1997	0.28	ppm	95
38) 2-Methylnaphthalene	6.012	142	1821	0.37	ppm	91
39) 1-Methylnaphthalene	6.112	142	1718	0.36	ppm	79
50) Acenaphthylene	6.858	152	3048	0.40	ppm	97
75) Phenanthrene	8.486	178	14247	1.78	ppm	98
76) Anthracene	8.533	178	4236	0.51	ppm	93
77) Carbazole	8.715	167	1492	0.21	ppm	90
79) Fluoranthene	9.760	202	26032	3.14	ppm	99
84) Pyrene	9.989	202	22372	1.92	ppm	97
89) Benzo[a]anthracene	11.252	228	17124	1.57	ppm	86
90) Chrysene	11.293	228	17589	1.65	ppm	94
94) Benzo[b]fluoranthene	12.415	252	14826m	1.20	ppm	
95) Benzo[k]fluoranthene	12.433	252	11704m	0.89	ppm	
96) Benzo[a]pyrene	12.744	252	13406	1.17	ppm	89
97) Indeno[1,2,3-cd]pyrene	13.843	276	10913	0.76	ppm	76
98) Dibenz[a,h]anthracene	13.855	278	3202	0.29	ppm	87
99) Benzo[g,h,i]perylene	14.119	276	16265	1.34	ppm	93

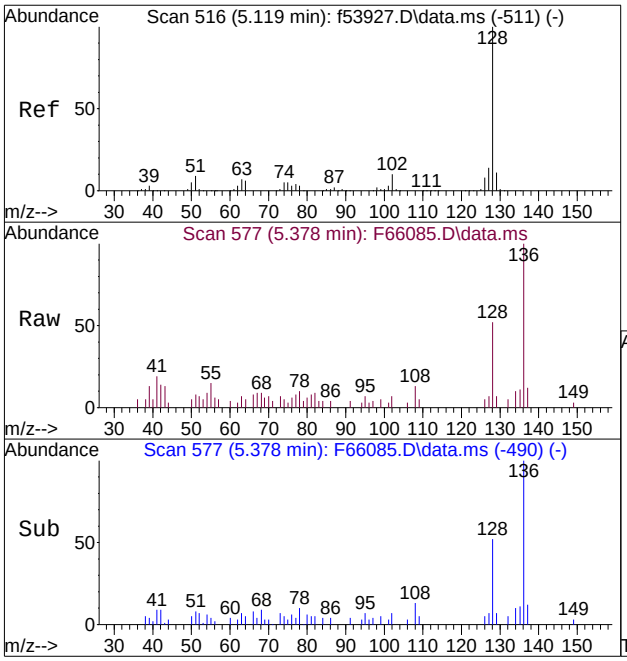
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66085.D
Acq On : 9 Aug 2013 7:28 pm
Operator : KRISTINR
Sample : MC23272-6
Misc : OP34292,MSF3058,20.17,,,1,5
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 14 17:06:49 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

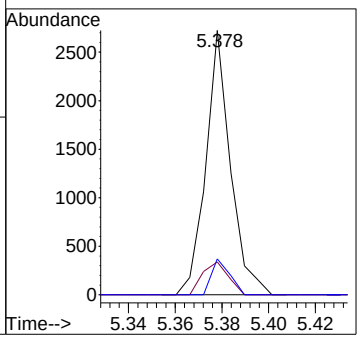


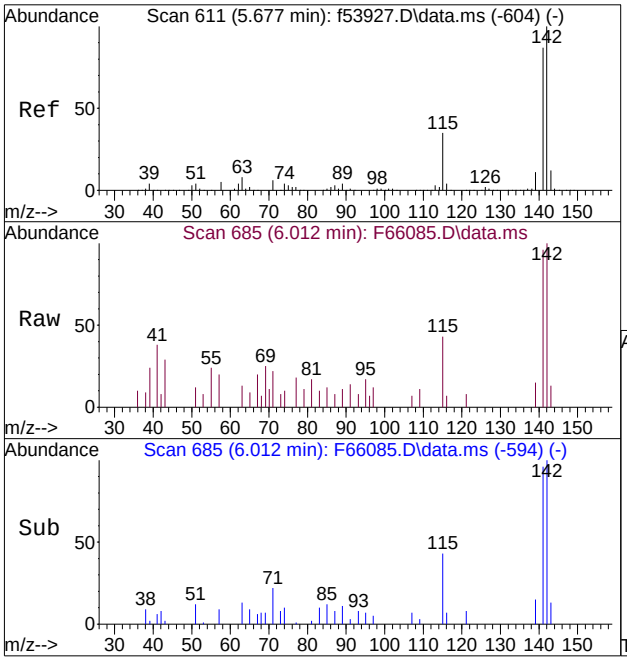


#33
Naphthalene
Concen: 0.28 ppm
RT: 5.378 min Scan# 577
Delta R.T. 0.010 min
Lab File: F66085.D
Acq: 9 Aug 2013 7:28 pm

Tgt Ion:128 Resp: 1997

Ion	Ratio	Lower	Upper
128	100		
129	12.4	0.0	40.1
127	13.6	0.0	42.3

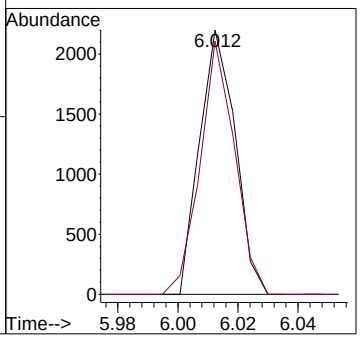


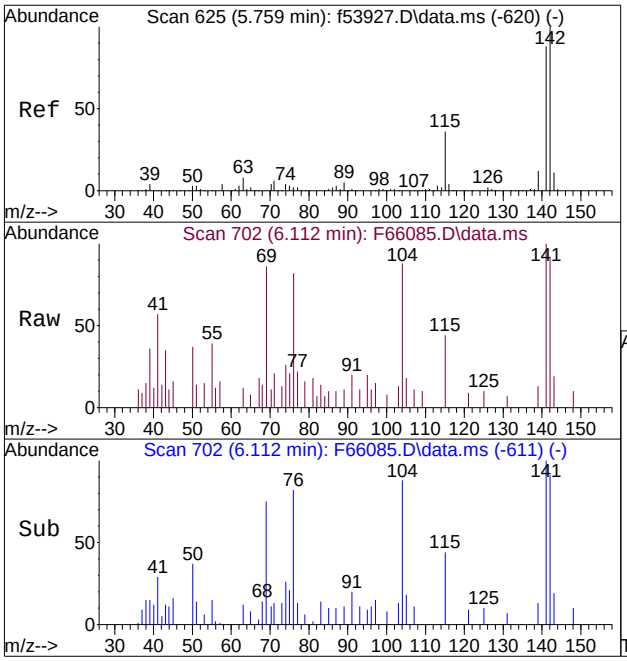


#38
2-Methylnaphthalene
Concen: 0.37 ppm
RT: 6.012 min Scan# 685
Delta R.T. 0.033 min
Lab File: F66085.D
Acq: 9 Aug 2013 7:28 pm

Tgt Ion:142 Resp: 1821

Ion	Ratio	Lower	Upper
142	100		
141	95.9	57.2	117.2

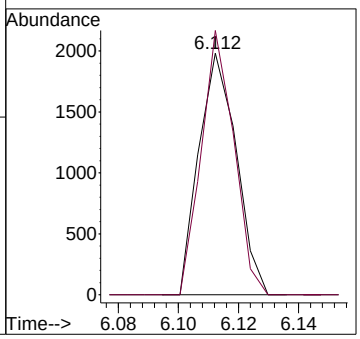


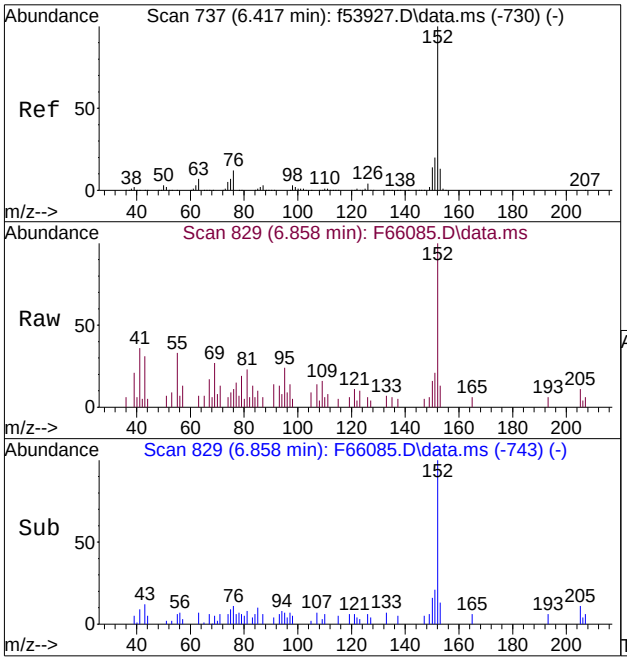


#39
1-Methylnaphthalene
Concen: 0.36 ppm
RT: 6.112 min Scan# 702
Delta R.T. 0.032 min
Lab File: F66085.D
Acq: 9 Aug 2013 7:28 pm

Tgt Ion:142 Resp: 1718

Ion	Ratio	Lower	Upper
142	100		
141	109.5	70.0	110.0

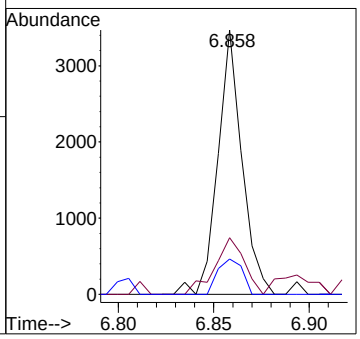


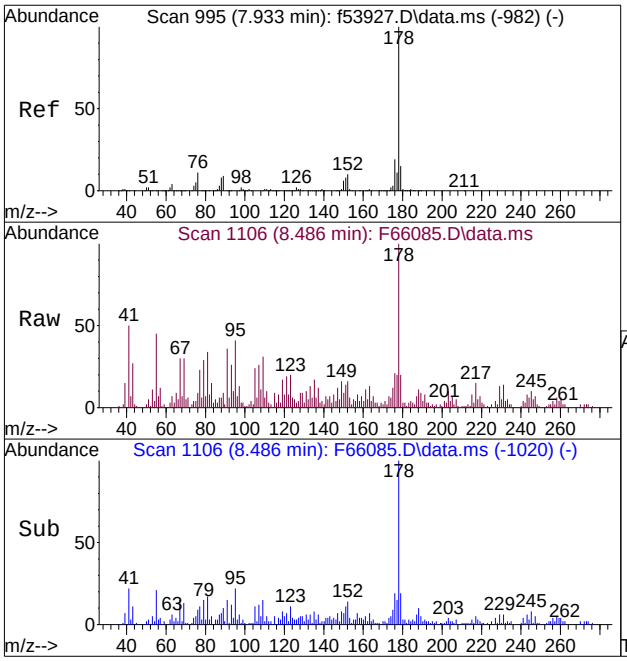


#50
Acenaphthylene
Concen: 0.40 ppm
RT: 6.858 min Scan# 829
Delta R.T. 0.004 min
Lab File: F66085.D
Acq: 9 Aug 2013 7:28 pm

Tgt Ion:152 Resp: 3048

Ion	Ratio	Lower	Upper
152	100		
151	21.4	0.0	49.3
153	13.4	0.0	43.4

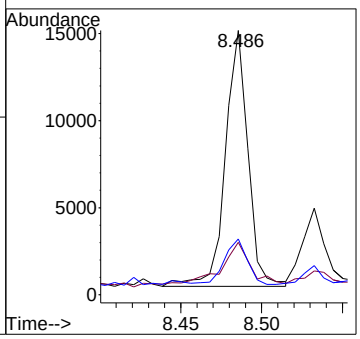


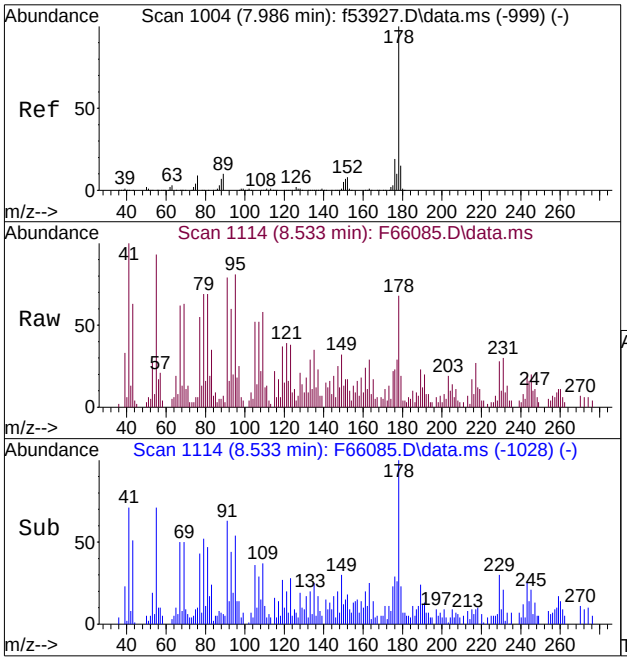


#75
Phenanthrene
Concen: 1.78 ppm
RT: 8.486 min Scan# 1106
Delta R.T. 0.004 min
Lab File: F66085.D
Acq: 9 Aug 2013 7:28 pm

Tgt Ion:178 Resp: 14247

Ion	Ratio	Lower	Upper
178	100		
179	16.3	0.0	45.2
176	17.8	0.0	48.6

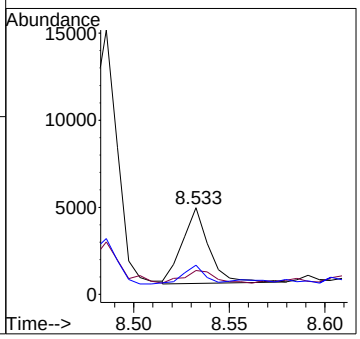


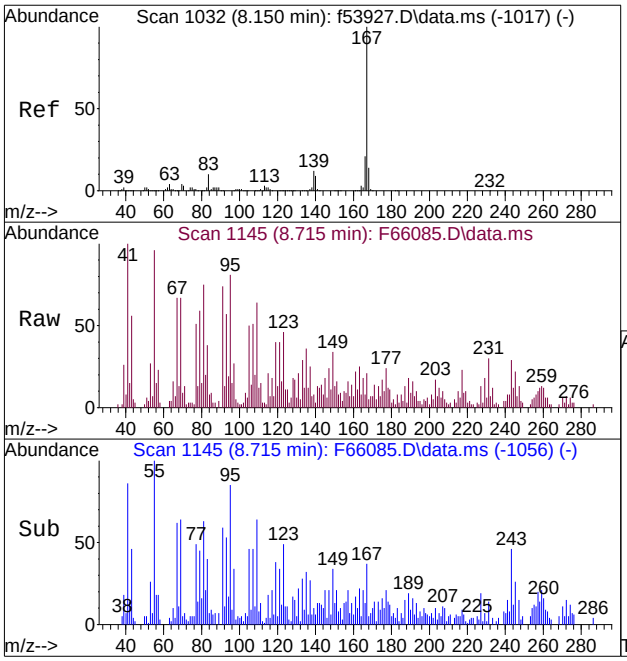


#76
Anthracene
Concen: 0.51 ppm
RT: 8.533 min Scan# 1114
Delta R.T. 0.005 min
Lab File: F66085.D
Acq: 9 Aug 2013 7:28 pm

Tgt Ion:178 Resp: 4236

Ion	Ratio	Lower	Upper
178	100		
179	17.0	0.0	45.9
176	23.7	0.0	48.6

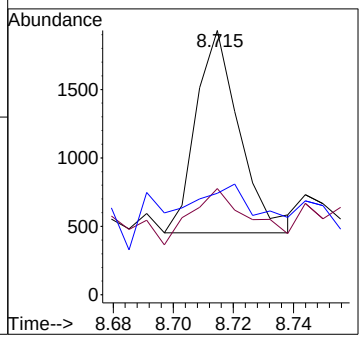


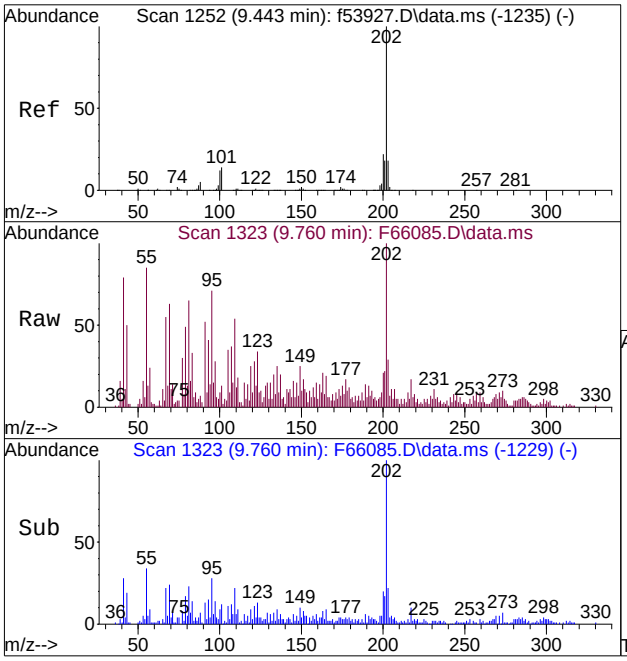


#77
Carbazole
Concen: 0.21 ppm
RT: 8.715 min Scan# 1145
Delta R.T. 0.021 min
Lab File: F66085.D
Acq: 9 Aug 2013 7:28 pm

Tgt Ion:167 Resp: 1492

Ion	Ratio	Lower	Upper
167	100		
166	27.8	0.0	50.4
139	11.9	0.0	41.6

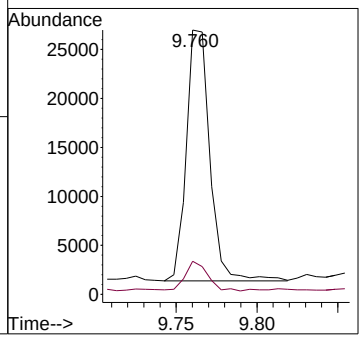


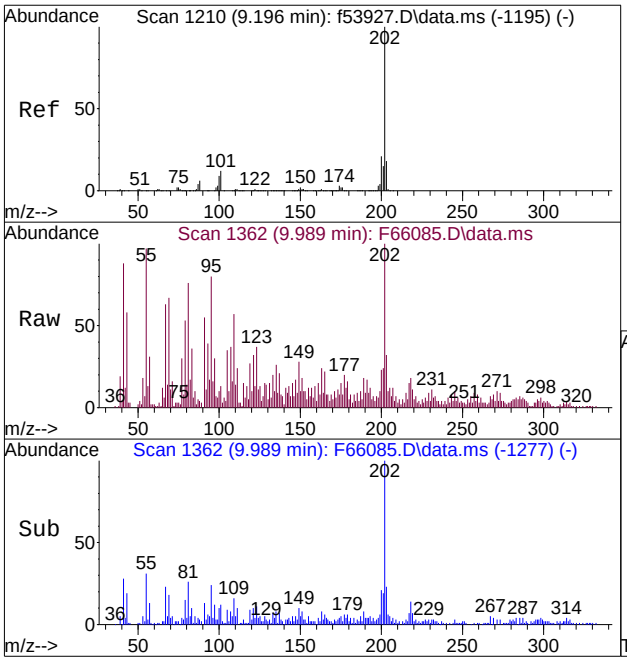


#79
Fluoranthene
Concen: 3.14 ppm
RT: 9.760 min Scan# 1323
Delta R.T. 0.055 min
Lab File: F66085.D
Acq: 9 Aug 2013 7:28 pm

Tgt Ion:202 Resp: 26032

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	41.0

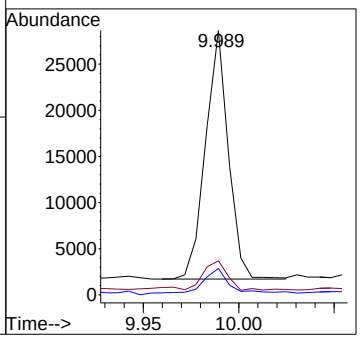


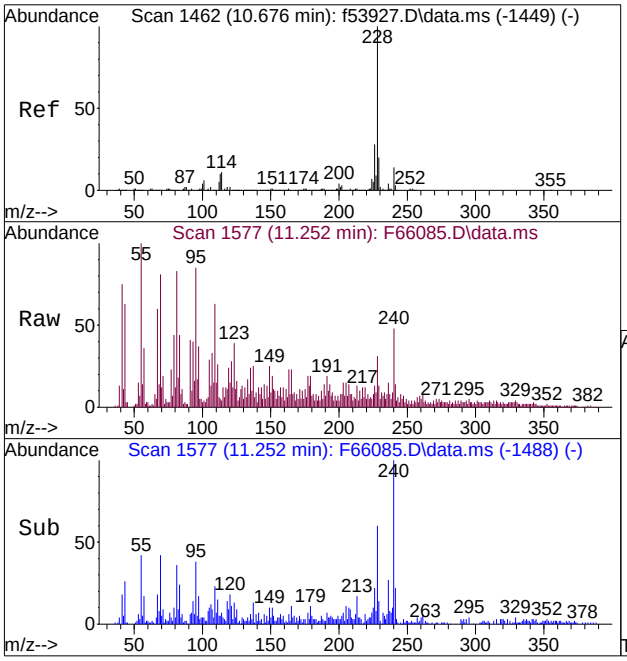


#84
Pyrene
Concen: 1.92 ppm
RT: 9.989 min Scan# 1362
Delta R.T. 0.001 min
Lab File: F66085.D
Acq: 9 Aug 2013 7:28 pm

Tgt Ion:202 Resp: 22372

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	43.1
100	9.8	0.0	40.6

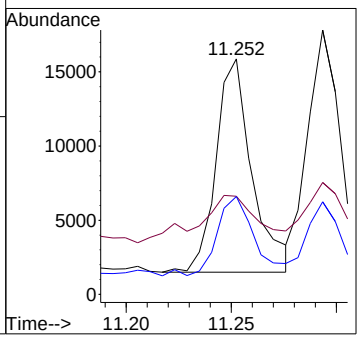


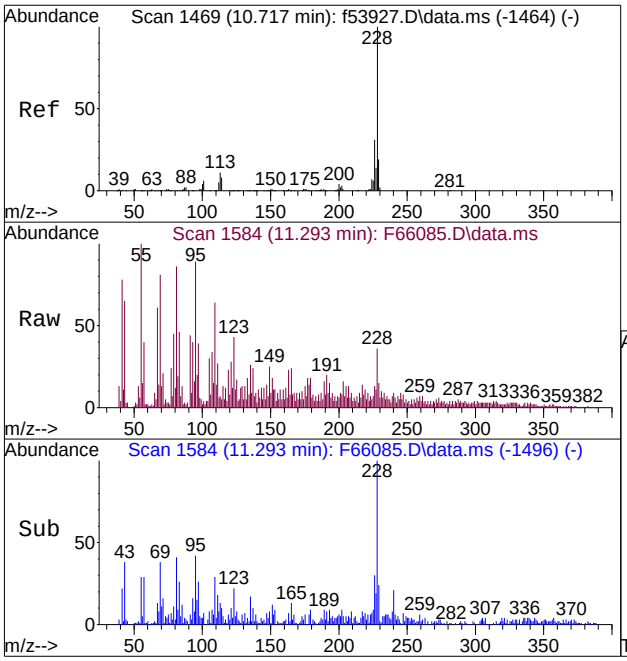


#89
Benzo[a]anthracene
Concen: 1.57 ppm
RT: 11.252 min Scan# 1577
Delta R.T. 0.021 min
Lab File: F66085.D
Acq: 9 Aug 2013 7:28 pm

Tgt Ion:228 Resp: 17124

Ion	Ratio	Lower	Upper
228	100		
229	17.4	0.0	49.1
226	37.1	0.0	56.0

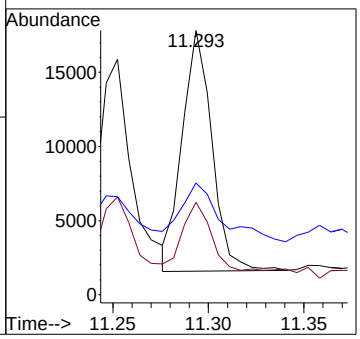


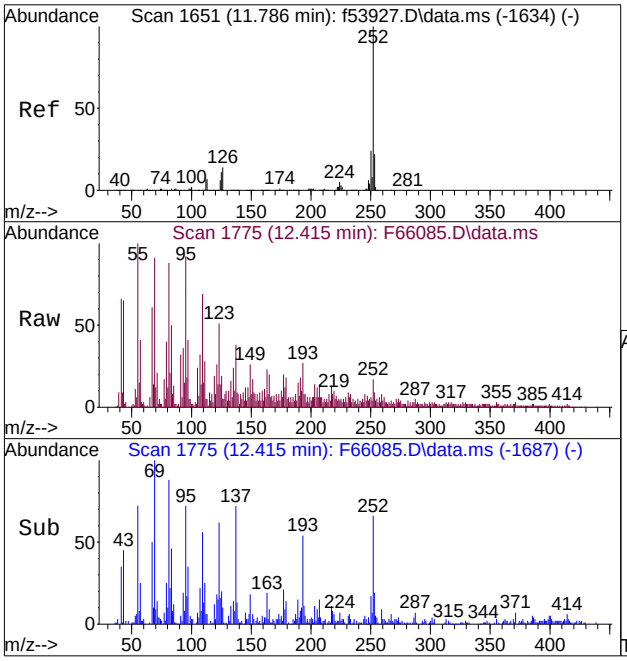


#90
Chrysene
Concen: 1.65 ppm
RT: 11.293 min Scan# 1584
Delta R.T. 0.016 min
Lab File: F66085.D
Acq: 9 Aug 2013 7:28 pm

Tgt Ion:228 Resp: 17589

Ion	Ratio	Lower	Upper
228	100		
226	27.8	0.0	59.0
229	24.5	0.0	48.7

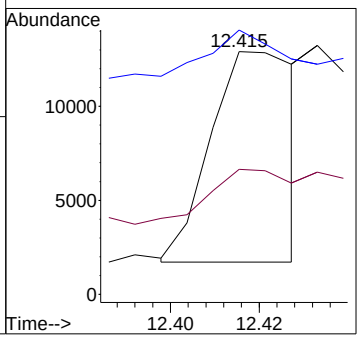


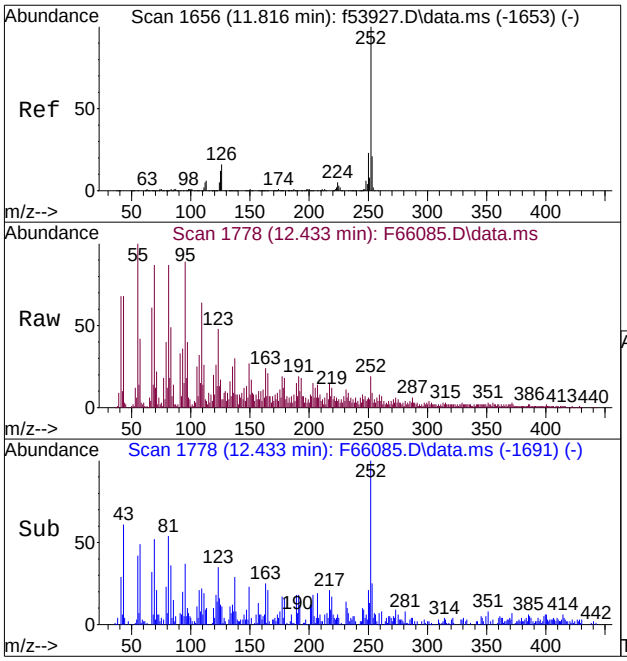


#94
Benzo[b]fluoranthene
Concen: 1.20 ppm m
RT: 12.415 min Scan# 1775
Delta R.T. 0.019 min
Lab File: F66085.D
Acq: 9 Aug 2013 7:28 pm

Tgt Ion:252 Resp: 14826

Ion	Ratio	Lower	Upper
252	100		
253	51.6	0.0	50.9#
125	109.0	0.0	41.8#

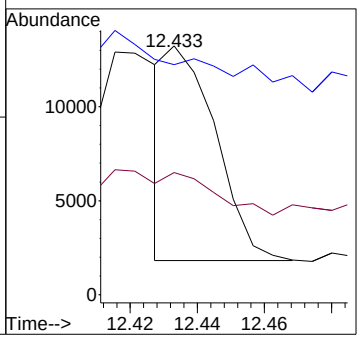


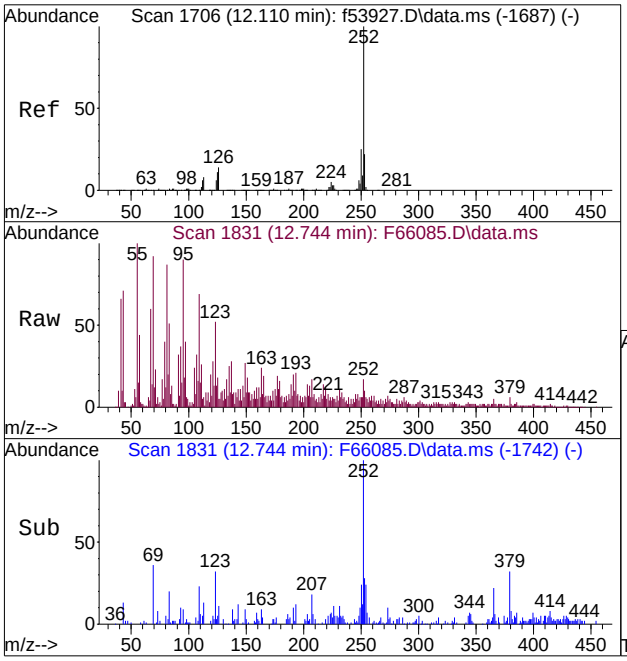


#95
Benzo[k]fluoranthene
Concen: 0.89 ppm m
RT: 12.433 min Scan# 1778
Delta R.T. 0.009 min
Lab File: F66085.D
Acq: 9 Aug 2013 7:28 pm

Tgt Ion:252 Resp: 11704

Ion	Ratio	Lower	Upper
252	100		
253	49.1	0.0	51.4
125	92.5	0.0	42.0#

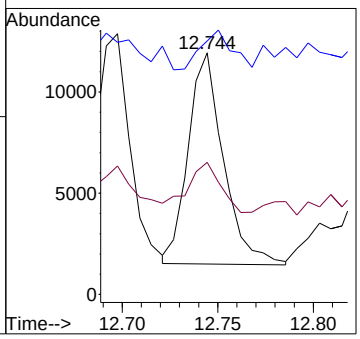


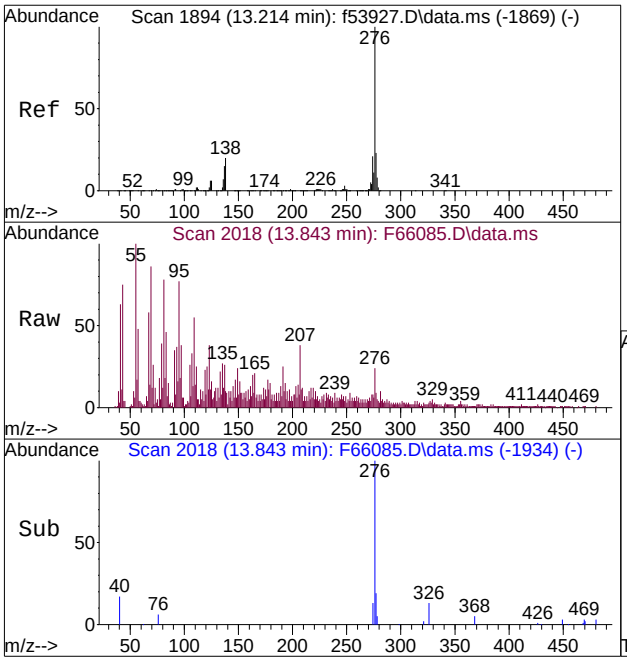


#96
Benzo[a]pyrene
Concen: 1.17 ppm
RT: 12.744 min Scan# 1831
Delta R.T. 0.025 min
Lab File: F66085.D
Acq: 9 Aug 2013 7:28 pm

Tgt Ion:252 Resp: 13406

Ion	Ratio	Lower	Upper
252	100		
253	19.7	0.0	50.5
125	3.1	0.0	43.2

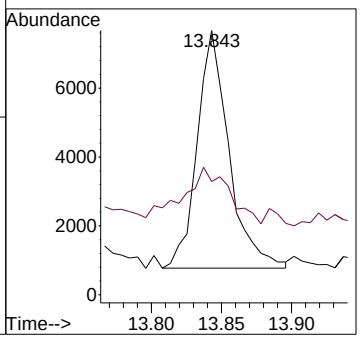


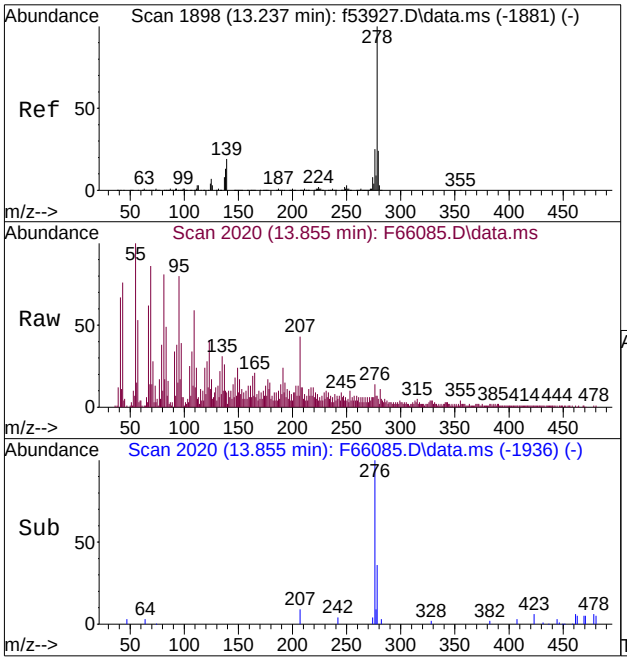


#97
Indeno[1,2,3-cd]pyrene
Concen: 0.76 ppm
RT: 13.843 min Scan# 2018
Delta R.T. -0.007 min
Lab File: F66085.D
Acq: 9 Aug 2013 7:28 pm

Tgt Ion:276 Resp: 10913

Ion	Ratio	Lower	Upper
276	100		
138	17.5	0.6	60.6

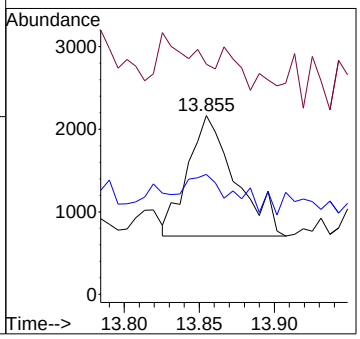


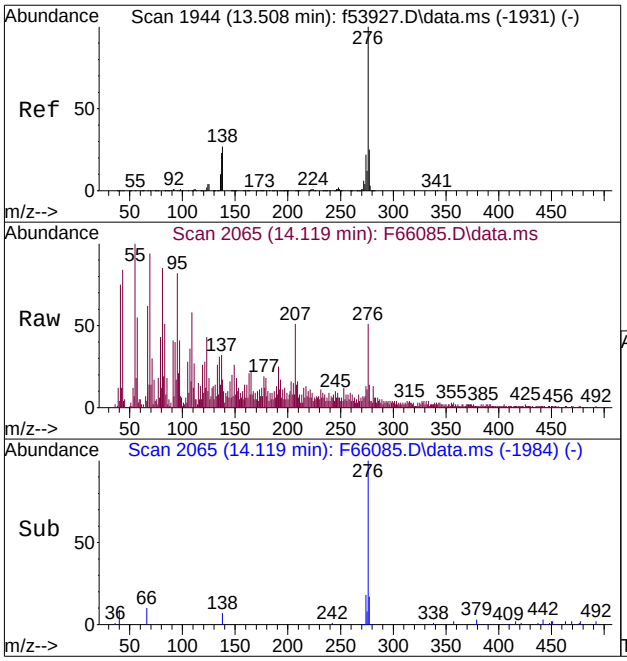


#98
Dibenz[a,h]anthracene
Concen: 0.29 ppm
RT: 13.855 min Scan# 2020
Delta R.T. -0.007 min
Lab File: F66085.D
Acq: 9 Aug 2013 7:28 pm

Tgt Ion:278 Resp: 3202

Ion	Ratio	Lower	Upper
278	100		
139	15.9	0.0	48.9
279	15.6	0.0	54.2

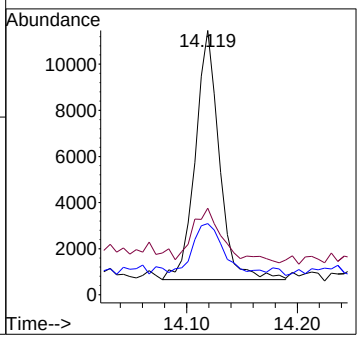




#99
Benzo[g,h,i]perylene
Concen: 1.34 ppm
RT: 14.119 min Scan# 2065
Delta R.T. -0.025 min
Lab File: F66085.D
Acq: 9 Aug 2013 7:28 pm

Tgt Ion:276 Resp: 16265

Ion	Ratio	Lower	Upper
276	100		
138	20.9	0.0	55.6
277	20.8	0.0	53.3



9.1.9

6

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66085.D
Acq On : 9 Aug 2013 7:28 pm
Operator : KRISTINR
Sample : MC23272-6
Misc : OP34292,MSF3058,20.17,,,1,5
ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

Signal : TIC: F66085.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.035	5	8	25	rVB5	9132	19924	0.02%	0.016%
2	2.253	42	45	51	rVB6	2600	4312	0.00%	0.004%
3	2.341	56	60	69	rVB5	2578	5207	0.00%	0.004%
4	2.417	69	73	75	rVB4	1419	1898	0.00%	0.002%
5	2.458	75	80	82	rBV6	3298	5909	0.01%	0.005%
6	2.476	82	83	88	rVB4	2433	2170	0.00%	0.002%
7	2.541	88	94	102	rBV8	3955	8510	0.01%	0.007%
8	2.599	102	104	113	rVB6	3533	6172	0.01%	0.005%
9	2.670	113	116	121	rBV5	5109	6617	0.01%	0.005%
10	2.770	127	133	138	rVB	19551	16899	0.01%	0.014%
11	2.834	138	144	147	rBV3	3720	7723	0.01%	0.006%
12	2.881	147	152	156	rVV7	4085	9148	0.01%	0.007%
13	2.981	156	169	184	rVV	123288	161889	0.14%	0.132%
14	3.093	184	188	195	rVB5	5271	10032	0.01%	0.008%
15	3.257	212	216	224	rVB	58658	63005	0.06%	0.051%
16	3.340	228	230	233	rVB2	2937	2137	0.00%	0.002%
17	3.398	237	240	247	rVB6	4741	6500	0.01%	0.005%
18	3.492	251	256	259	rBV4	1745	1908	0.00%	0.002%
19	3.528	259	262	265	rBV4	2323	2083	0.00%	0.002%
20	3.586	268	272	274	rBV4	2108	3017	0.00%	0.002%
21	3.616	274	277	281	rVB4	5309	5918	0.01%	0.005%
22	3.657	281	284	288	rVB5	3001	4570	0.00%	0.004%
23	3.716	291	294	298	rBV5	1856	3249	0.00%	0.003%
24	3.757	298	301	304	rVB	13434	10213	0.01%	0.008%
25	3.804	304	309	316	rBV3	8298	14672	0.01%	0.012%
26	3.880	318	322	328	rVV	7293	9275	0.01%	0.008%
27	3.927	328	330	336	rVV5	4985	5428	0.00%	0.004%
28	3.992	336	341	348	rVV	48271	64296	0.06%	0.053%
29	4.044	348	350	357	rVV2	7906	9123	0.01%	0.007%
30	4.109	357	361	364	rVV2	17233	17042	0.01%	0.014%
31	4.133	364	365	370	rVB3	2596	2439	0.00%	0.002%
32	4.232	374	382	389	rBV	685246	516321	0.45%	0.422%
33	4.285	390	391	394	rVB3	3047	2597	0.00%	0.002%
34	4.315	394	396	400	rBV3	4506	3424	0.00%	0.003%
35	4.438	415	417	421	rBV3	2336	3138	0.00%	0.003%
36	4.485	421	425	427	rVV2	2972	2739	0.00%	0.002%
37	4.520	427	431	435	rVB6	5129	7119	0.01%	0.006%
38	4.567	435	439	441	rBV5	4243	6386	0.01%	0.005%
39	4.597	441	444	453	rVB6	3513	4685	0.00%	0.004%
40	4.732	460	467	476	rBV	64968	73799	0.06%	0.060%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66085.D
Acq On : 9 Aug 2013 7:28 pm
Operator : KRISTINR
Sample : MC23272-6
Misc : OP34292,MSF3058,20.17,,,1,5
ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

41	4.796	476	478	485	rVB5	3800	5959	0.01%	0.005%
42	4.867	485	490	493	rVB6	1934	3770	0.00%	0.003%
43	4.914	493	498	502	rBV7	1832	3412	0.00%	0.003%
44	4.973	502	508	511	rVB5	4049	4669	0.00%	0.004%
45	5.020	511	516	519	rBV4	2026	3029	0.00%	0.002%
46	5.049	519	521	524	rBV2	1406	1732	0.00%	0.001%
47	5.084	524	527	531	rVB6	1424	1925	0.00%	0.002%
48	5.155	531	539	545	rBV9	6473	12798	0.01%	0.010%
49	5.213	547	549	554	rVB5	2892	3316	0.00%	0.003%
50	5.266	554	558	564	rBV6	2116	2941	0.00%	0.002%
51	5.325	564	568	569	rBV4	2799	3286	0.00%	0.003%
52	5.360	569	574	586	rVV	856582	672180	0.59%	0.549%
53	5.443	586	588	596	rVB6	5998	8594	0.01%	0.007%
54	5.566	606	609	611	rVB3	3621	3837	0.00%	0.003%
55	5.607	612	616	619	rBV3	2394	3760	0.00%	0.003%
56	5.636	619	621	625	rVB4	1710	2305	0.00%	0.002%
57	5.719	629	635	639	rBV6	6600	13085	0.01%	0.011%
58	5.772	639	644	654	rVB3	11554	16993	0.01%	0.014%
59	5.836	654	655	658	rBV	2212	1649	0.00%	0.001%
60	5.918	658	669	675	rBV4	14038	19894	0.02%	0.016%
61	5.971	675	678	682	rVV5	4960	5695	0.00%	0.005%
62	6.012	682	685	689	rVB3	7759	7775	0.01%	0.006%
63	6.065	689	694	699	rBV	133494	118311	0.10%	0.097%
64	6.112	699	702	709	rVV4	18336	26497	0.02%	0.022%
65	6.171	709	712	713	rVV3	2239	2272	0.00%	0.002%
66	6.200	713	717	721	rVV6	5030	6524	0.01%	0.005%
67	6.242	721	724	726	rVV3	4644	5253	0.00%	0.004%
68	6.265	726	728	732	rVB4	7210	7776	0.01%	0.006%
69	6.330	732	739	743	rBV9	8697	17225	0.02%	0.014%
70	6.371	743	746	751	rVB	176932	134488	0.12%	0.110%
71	6.447	753	759	764	rBV4	22761	30198	0.03%	0.025%
72	6.488	764	766	768	rBV	8661	9409	0.01%	0.008%
73	6.506	768	769	774	rVB5	6472	6712	0.01%	0.005%
74	6.559	776	778	782	rVB	10556	8672	0.01%	0.007%
75	6.600	782	785	791	rVB5	7802	8699	0.01%	0.007%
76	6.676	791	798	807	rBV7	12259	29999	0.03%	0.025%
77	6.764	810	813	819	rVB4	11094	14576	0.01%	0.012%
78	6.858	826	829	833	rBV2	10203	11729	0.01%	0.010%
79	6.899	833	836	840	rVB6	9211	8264	0.01%	0.007%
80	6.941	840	843	845	rBV3	13202	13154	0.01%	0.011%
81	6.958	845	846	849	rVV2	7655	5721	0.01%	0.005%
82	6.999	849	853	863	rVV	976566	768780	0.67%	0.628%
83	7.087	864	868	871	rVB6	3622	4720	0.00%	0.004%
84	7.117	871	873	877	rBV5	4855	4372	0.00%	0.004%
85	7.181	877	884	889	rBV	29858	43055	0.04%	0.035%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66085.D
Acq On : 9 Aug 2013 7:28 pm
Operator : KRISTINR
Sample : MC23272-6
Misc : OP34292,MSF3058,20.17,,,1,5
ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

86	7.223	889	891	896	rVV6	11199	12487	0.01%	0.010%
87	7.328	902	909	911	rBV8	9877	21175	0.02%	0.017%
88	7.381	914	918	921	rBV6	8190	10978	0.01%	0.009%
89	7.416	922	924	929	rVV5	18155	17896	0.02%	0.015%
90	7.469	930	933	935	rBV4	8560	7618	0.01%	0.006%
91	7.499	935	938	949	rVV4	8650	28570	0.03%	0.023%
92	7.651	962	964	966	rBV3	8302	6773	0.01%	0.006%
93	7.775	980	985	995	rBV4	38306	82406	0.07%	0.067%
94	7.886	1002	1004	1007	rBV3	13170	15063	0.01%	0.012%
95	7.922	1007	1010	1016	rVV5	15340	24779	0.02%	0.020%
96	8.268	1065	1069	1082	rBV	81617	157168	0.14%	0.128%
97	8.462	1097	1102	1142	rBV	969041	1490567	1.31%	1.218%
98	10.166	1389	1392	1430	rBV	200472	1084756	0.95%	0.886%
99	11.270	1575	1580	1644	rBV	1164013	2250741	1.98%	1.839%
100	12.803	1837	1841	2416	rVB	2817650	113955699	100.00%	93.126%

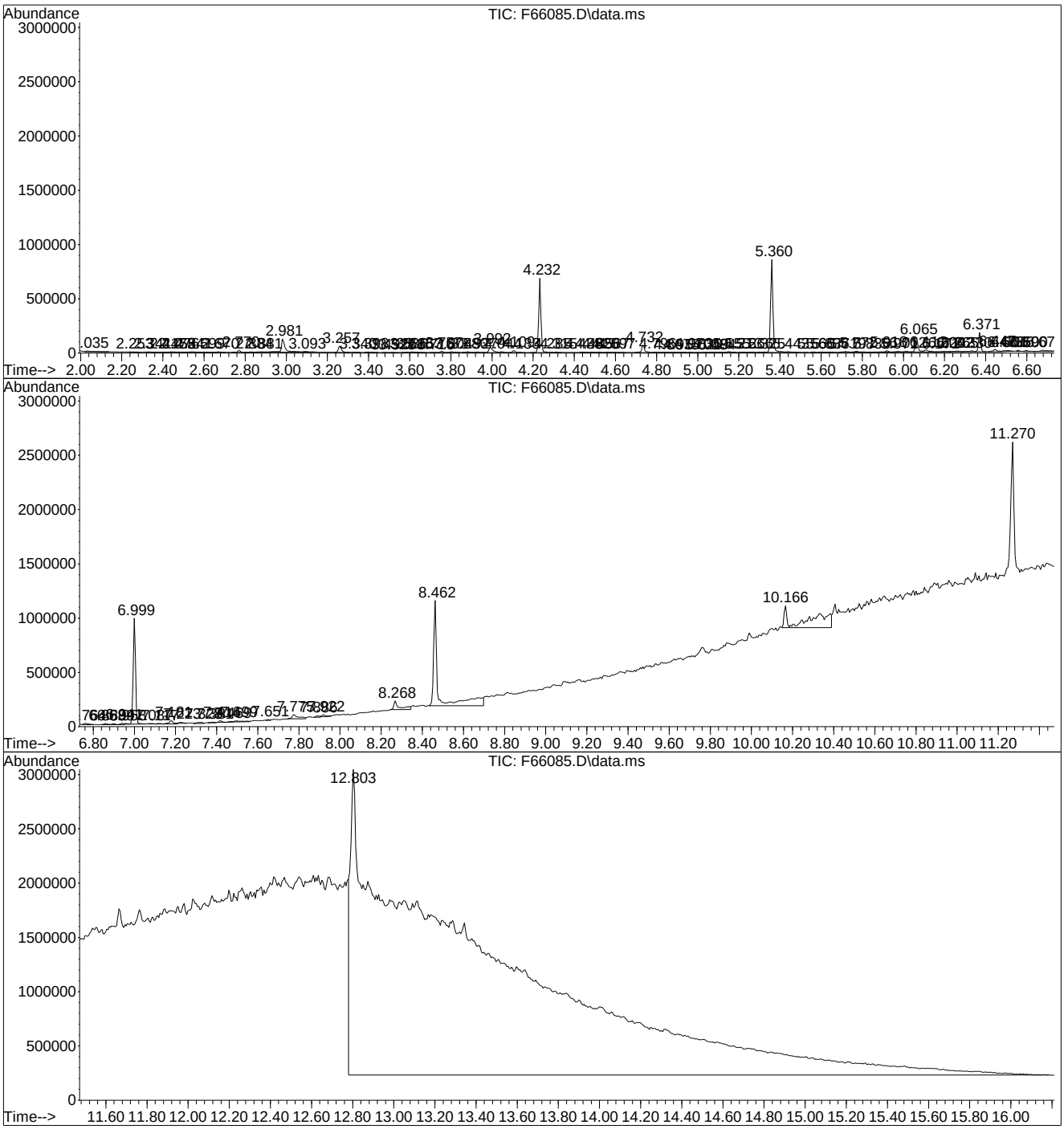
Sum of corrected areas: 122367179

LSC Report - Integrated Chromatogram

Data Path : F:\1\DATA\F130809\
Data File : F66085.D
Acq On : 9 Aug 2013 7:28 pm
Operator : KRISTINR
Sample : MC23272-6
Misc : OP34292,MSF3058,20.17,,,1,5
ALS Vial : 17 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66085.D
Acq On : 9 Aug 2013 7:28 pm
Operator : KRISTINR
Sample : MC23272-6
Misc : OP34292,MSF3058,20.17,,,1,5
ALS Vial : 17 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : F:\1\DATA\F130809\
Data File : F66085.D
Acq On : 9 Aug 2013 7:28 pm
Operator : KRISTINR
Sample : MC23272-6
Misc : OP34292,MSF3058,20.17,,,1,5
ALS Vial : 17 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 08/12/13 12:46

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 09 17:10:53 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

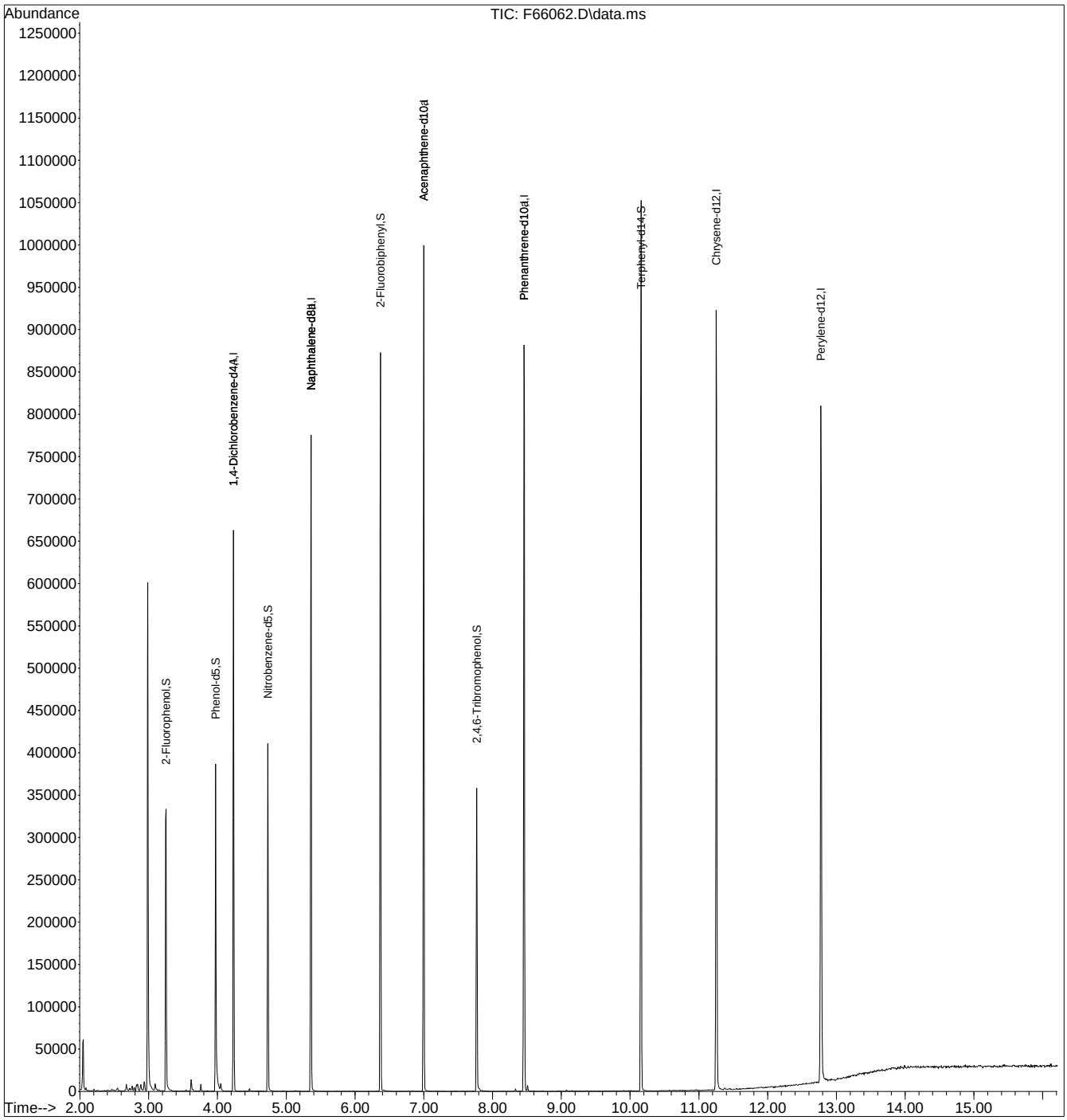
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.233	152	73053	40.00	ppm	-0.03
21) 1,4-Dichlorobenzene-d4A	4.233	152	73053	40.00	PPM	-0.03
23) Naphthalene-d8	5.361	136	275322	40.00	ppm	-0.03
41) Naphthalene-d8a	5.361	136	275322	40.00	ppm	-0.03
43) Acenaphthene-d10	7.000	164	175770	40.00	ppm	-0.03
65) Acenaphthene-d10a	7.000	164	175770	40.00	ppm	-0.03
67) Phenanthrene-d10	8.457	188	315300m	40.00	ppm	-0.04
80) Phenanthrene-d10a	8.457	188	315601	40.00	ppm	-0.04
82) Chrysene-d12	11.253	240	339931	40.00	ppm	-0.04
92) Perylene-d12	12.774	264	311151	40.00	ppm	-0.04
100) Naphthalene-d8b	5.361	136	275322	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.252	112	78373	36.80	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.80%			
7) Phenol-d5	3.974	99	104432	38.53	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 38.53%			
24) Nitrobenzene-d5	4.732	82	104132	40.44	ppm	-0.05
Spiked Amount 50.000	Range 30 - 130		Recovery = 80.88%			
48) 2-Fluorobiphenyl	6.371	172	230775	39.01	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 78.02%			
71) 2,4,6-Tribromophenol	7.769	330	34750	34.38	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 34.38%			
85) Terphenyl-d14	10.160	244	313031	43.36	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 86.72%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 09 17:10:53 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



F130701_8270+.m Fri Aug 09 17:10:59 2013 Page: 2

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

Signal : TIC: F66062.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.048	4	10	15	rVV	59950	58338	6.38%	0.718%
2	2.089	15	17	27	rVB2	3693	3900	0.43%	0.048%
3	2.206	30	37	42	rVB3	2128	2308	0.25%	0.028%
4	2.259	44	46	53	rVB	971	1479	0.16%	0.018%
5	2.330	53	58	61	rBV2	810	1279	0.14%	0.016%
6	2.394	67	69	78	rBV2	1007	2370	0.26%	0.029%
7	2.465	78	81	83	rVV2	1967	1861	0.20%	0.023%
8	2.488	83	85	88	rVB2	1518	1273	0.14%	0.016%
9	2.547	88	95	99	rBV	3724	4684	0.51%	0.058%
10	2.676	110	117	121	rBV4	8499	10394	1.14%	0.128%
11	2.723	121	125	128	rVV3	3680	5239	0.57%	0.064%
12	2.758	128	131	134	rVV	6459	6578	0.72%	0.081%
13	2.788	134	136	139	rVV	4576	4064	0.44%	0.050%
14	2.835	139	144	149	rVV2	8465	15277	1.67%	0.188%
15	2.888	149	153	157	rVV	7845	11311	1.24%	0.139%
16	2.935	157	161	166	rVV	11400	13137	1.44%	0.162%
17	2.987	166	170	185	rVV	601141	562246	61.45%	6.915%
18	3.093	185	188	195	rVV2	9216	12081	1.32%	0.149%
19	3.146	195	197	201	rVV2	2098	2493	0.27%	0.031%
20	3.199	201	206	210	rVV	990	2080	0.23%	0.026%
21	3.252	210	215	235	rVB	333650	306842	33.54%	3.774%
22	3.546	261	265	269	rVB	1627	1506	0.16%	0.019%
23	3.616	269	277	294	rVB3	13967	15216	1.66%	0.187%
24	3.757	298	301	310	rBV	8532	7359	0.80%	0.091%
25	3.974	334	338	348	rBV	386625	326303	35.66%	4.013%
26	4.045	348	350	360	rVB	8871	10494	1.15%	0.129%
27	4.162	367	370	375	rBV	725	1081	0.12%	0.013%
28	4.233	375	382	388	rVV	662828	484316	52.93%	5.957%
29	4.468	417	422	431	rBV2	3115	3371	0.37%	0.041%
30	4.732	463	467	481	rBV	411016	306505	33.50%	3.770%
31	5.126	530	534	541	rBB2	1084	1480	0.16%	0.018%
32	5.361	569	574	596	rBB	775618	606143	66.25%	7.455%
33	6.371	741	746	751	rBV	873077	686496	75.03%	8.443%
34	6.424	753	755	763	rVB	1347	2001	0.22%	0.025%
35	7.000	848	853	860	rBV	999498	749422	81.91%	9.217%
36	7.047	860	861	867	rVB	854	1181	0.13%	0.015%
37	7.769	979	984	997	rBV	358410	298389	32.61%	3.670%
38	8.333	1074	1080	1084	rBV	3087	2456	0.27%	0.030%
39	8.457	1096	1101	1107	rBV	881873	827920	90.49%	10.183%
40	8.509	1107	1110	1115	rVB	7106	6108	0.67%	0.075%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

41	9.073	1200	1206	1211	rBV	1718	1989	0.22%	0.024%
42	9.144	1215	1218	1224	rVB2	967	1515	0.17%	0.019%
43	9.673	1304	1308	1313	rVB2	742	1274	0.14%	0.016%
44	10.160	1385	1391	1399	rBV	1052599	890380	97.31%	10.951%
45	10.565	1459	1460	1465	rVB	956	1158	0.13%	0.014%
46	10.636	1465	1472	1475	rBV2	990	1888	0.21%	0.023%
47	10.959	1523	1527	1530	rVB2	956	1244	0.14%	0.015%
48	11.147	1558	1559	1565	rBV2	754	1169	0.13%	0.014%
49	11.253	1569	1577	1594	rBV	921719	914956	100.00%	11.253%
50	11.376	1594	1598	1602	rBV	2504	3495	0.38%	0.043%
51	11.453	1608	1611	1618	rVB5	1360	1753	0.19%	0.022%
52	11.546	1624	1627	1632	rBV3	1278	1367	0.15%	0.017%
53	11.711	1651	1655	1657	rBV3	1437	1364	0.15%	0.017%
54	11.811	1668	1672	1674	rBV3	1165	2122	0.23%	0.026%
55	11.846	1674	1678	1680	rVV2	956	1294	0.14%	0.016%
56	11.870	1680	1682	1685	rBV3	1261	1531	0.17%	0.019%
57	11.934	1691	1693	1696	rBV4	1130	1261	0.14%	0.016%
58	11.975	1696	1700	1704	rBV5	1431	2155	0.24%	0.027%
59	12.011	1704	1706	1709	rBV4	1193	1564	0.17%	0.019%
60	12.052	1711	1713	1719	rVB5	2054	3702	0.40%	0.046%
61	12.093	1719	1720	1722	rBV2	2024	1081	0.12%	0.013%
62	12.110	1722	1723	1726	rBV2	1790	1727	0.19%	0.021%
63	12.187	1733	1736	1738	rBV4	1839	1818	0.20%	0.022%
64	12.246	1742	1746	1748	rVB4	1908	2719	0.30%	0.033%
65	12.263	1748	1749	1751	rBV2	2095	1405	0.15%	0.017%
66	12.304	1753	1756	1761	rBV6	1836	3613	0.39%	0.044%
67	12.345	1761	1763	1766	rBV3	1696	1540	0.17%	0.019%
68	12.375	1766	1768	1772	rVV5	1109	1454	0.16%	0.018%
69	12.410	1773	1774	1779	rVB5	1141	1384	0.15%	0.017%
70	12.451	1779	1781	1783	rBV3	1372	1077	0.12%	0.013%
71	12.704	1818	1824	1825	rBV5	2133	3836	0.42%	0.047%
72	12.774	1830	1836	1855	rBV	800372	893041	97.60%	10.984%
73	13.015	1875	1877	1885	rBV7	2247	4570	0.50%	0.056%
74	13.990	2041	2043	2056	rBV7	3951	7134	0.78%	0.088%

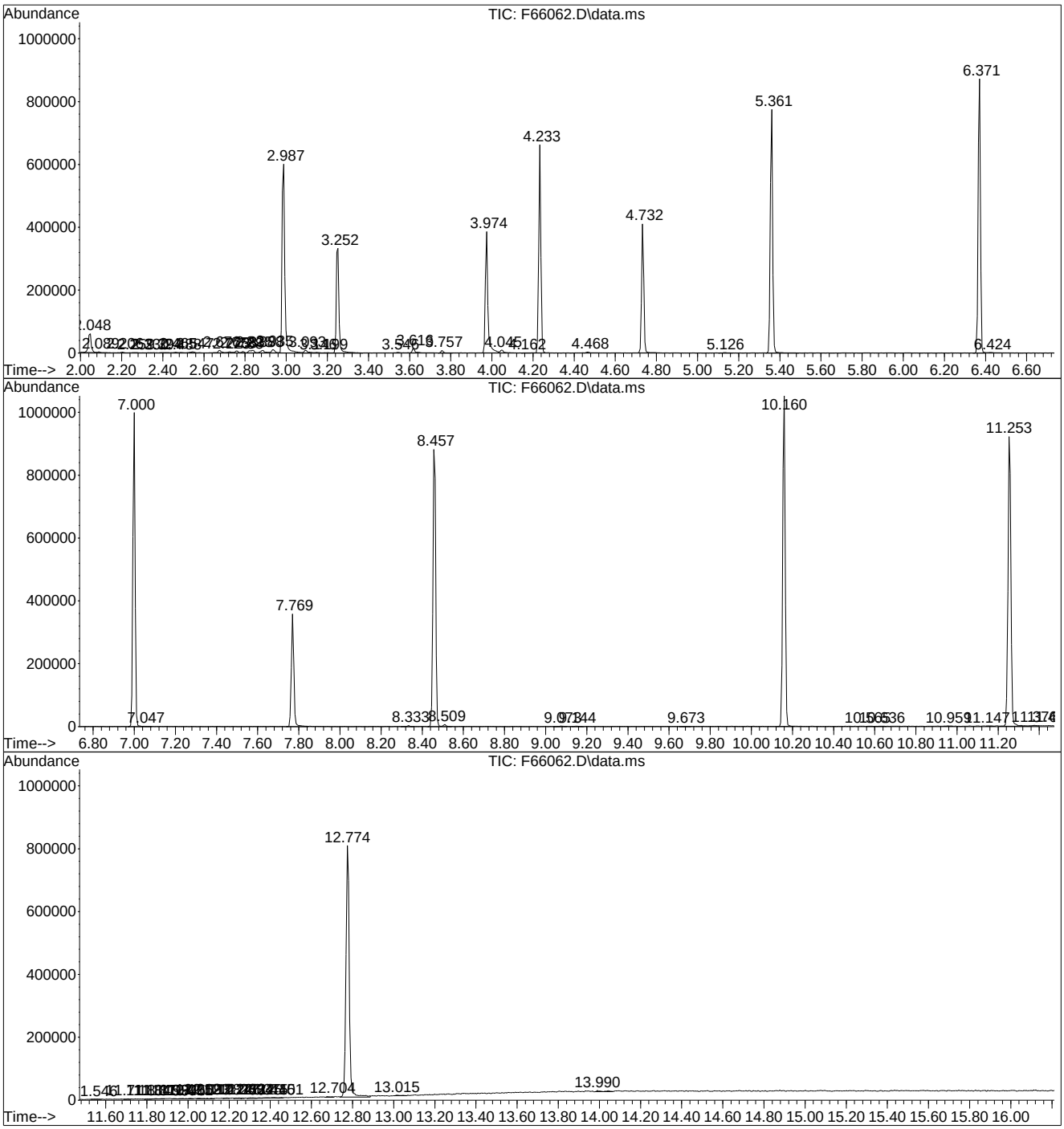
Sum of corrected areas: 8130561

LSC Report - Integrated Chromatogram

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

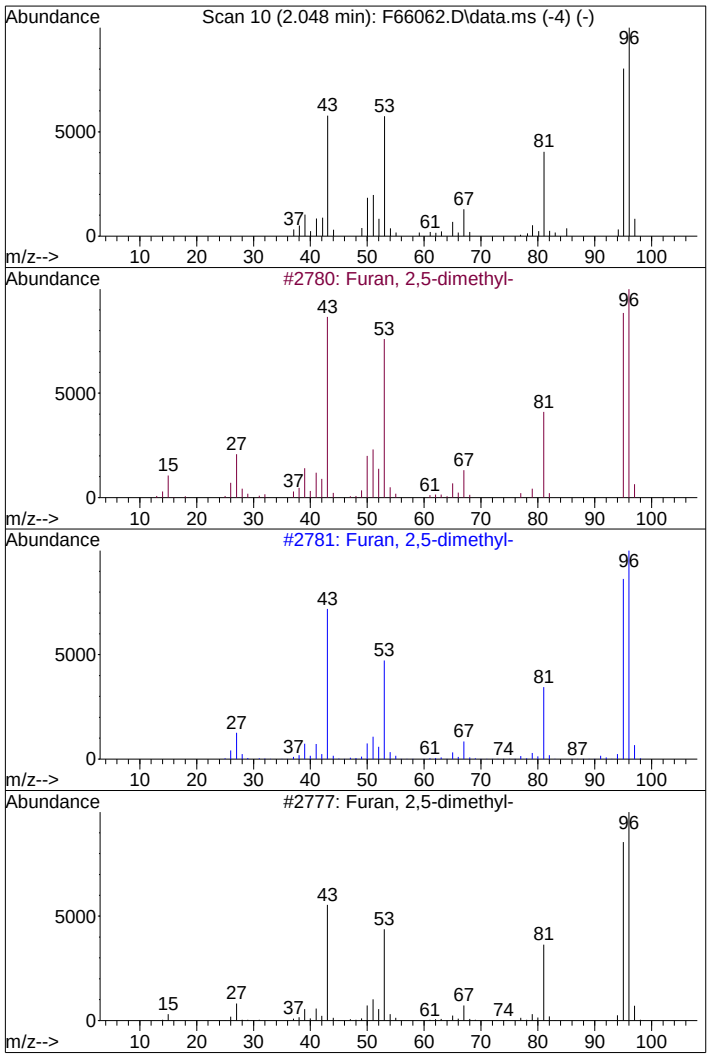
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

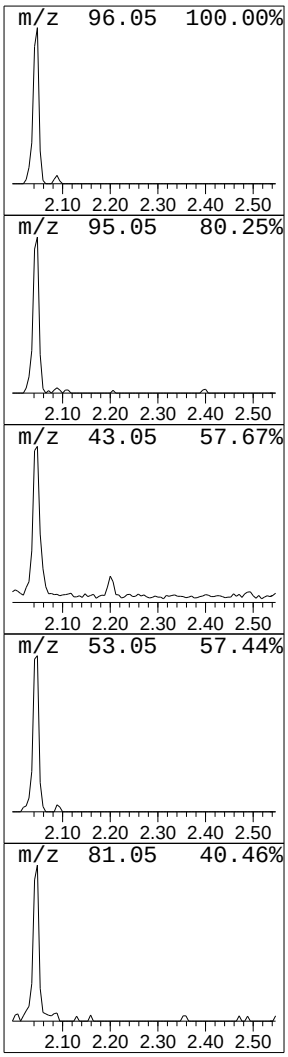
****

Peak Number 1 Furan, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.048	4.82 ppm	58338	1,4-Dichlorobenzene-d4A	4.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	91
2	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	91
3	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	90
4	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	72
5	Ethanone, 1-(methylenecyclopropyl)-	96	C6H8O	062266-35-7	45





Tentatively Identified Compound (LSC) summary

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Furan, 2,5-dime...	2.048	4.8	ppm	58338	1	4.233	484316	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/12/13 12:46

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66063.D
Acq On : 9 Aug 2013 10:44 am
Operator : KRISTINR
Sample : OP34292-BS
Misc : OP34292,MSF3058,20.93,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 17:12:15 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.232	152	75478	40.00	ppm	-0.03
21) 1,4-Dichlorobenzene-d4A	4.232	152	75478	40.00	PPM	-0.03
23) Naphthalene-d8	5.359	136	281250	40.00	ppm	-0.03
41) Naphthalene-d8a	5.359	136	281250	40.00	ppm	-0.03
43) Acenaphthene-d10	6.998	164	180285	40.00	ppm	-0.03
65) Acenaphthene-d10a	6.998	164	180285	40.00	ppm	-0.03
67) Phenanthrene-d10	8.461	188	328279m	40.00	ppm	-0.03
80) Phenanthrene-d10a	8.461	188	328651	40.00	ppm	-0.03
82) Chrysene-d12	11.257	240	355784	40.00	ppm	-0.04
92) Perylene-d12	12.779	264	317054	40.00	ppm	-0.04
100) Naphthalene-d8b	5.359	136	281250	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.251	112	83837	38.10	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 38.10%			
7) Phenol-d5	3.973	99	112368	40.12	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 40.12%			
24) Nitrobenzene-d5	4.737	82	110319	41.94	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 83.88%			
48) 2-Fluorobiphenyl	6.370	172	246326	40.60	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 81.20%			
71) 2,4,6-Tribromophenol	7.774	330	41003	38.97	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 38.97%			
85) Terphenyl-d14	10.159	244	343320	45.44	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 90.88%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.281	74	48400	32.97	ug/l #	76
3) Pyridine	2.287	79	68850	26.10	ppm	94
4) Aniline	3.991	93	122769	36.82	ppm #	1
6) bis(2-Chloroethyl)ether	4.032	63	62084	40.68	ppm	85
8) Phenol	3.985	94	134409	47.42	ppm	73
9) 2-Chlorophenol	4.091	128	92067	39.21	ppm	94
10) 1,3-Dichlorobenzene	4.202	146	96574	35.25	ppm	98
11) 1,4-Dichlorobenzene	4.249	146	101484	34.75	ppm	98
12) 1,2-Dichlorobenzene	4.408	146	96552	36.76	ppm	97
13) Benzyl alcohol	4.367	108	20589	13.53	ppm #	78
14) bis(2-chloroisopropyl)...	4.496	45	91765	48.48	ppm	70
15) o-cresol	4.490	108	101796	49.35	ppm	84
16) Acetophenone	4.602	105	295612	87.10	ppm	97
17) Hexachloroethane	4.672	117	39806	38.90	ppm	94
18) N-Nitroso-di-n-propyla...	4.619	70	77325	45.74	ppm	91
19) m+p-cresols	4.613	108	216807	95.57	ppm	91
20) 4-methylphenol	4.613	108	216807	95.57	ppm	91
22) Benzaldehyde	3.879	77	60490	32.87	ppm	91
25) Nitrobenzene	4.748	77	107405	40.46	ppm	85
26) Isophorone	4.954	82	183489	41.71	ppm	100
27) 2-Nitrophenol	5.036	139	52232	39.02	ppm	83
28) 2,4-Dimethylphenol	5.077	107	113580	45.25	ppm	91
29) bis(2-Chloroethoxy)met...	5.154	93	147446	56.40	ppm	99
30) Benzoic acid	5.136	105	6607	3.50	ppm #	56
31) 2,4-Dichlorophenol	5.254	162	93906	42.83	ppm	97
32) 1,2,4-Trichlorobenzene	5.324	180	96445	38.31	ppm	99
33) Naphthalene	5.377	128	275209	39.56	ppm	96
34) 2,6-Dichlorophenol	5.459	162	90467	41.40	ppm	98
35) 4-Chloroaniline	5.448	127	112179	37.37	ppm	100
36) Hexachlorobutadiene	5.542	225	65358	39.68	ppm	97

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66063.D
Acq On : 9 Aug 2013 10:44 am
Operator : KRISTINR
Sample : OP34292-BS
Misc : OP34292,MSF3058,20.93,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 17:12:15 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

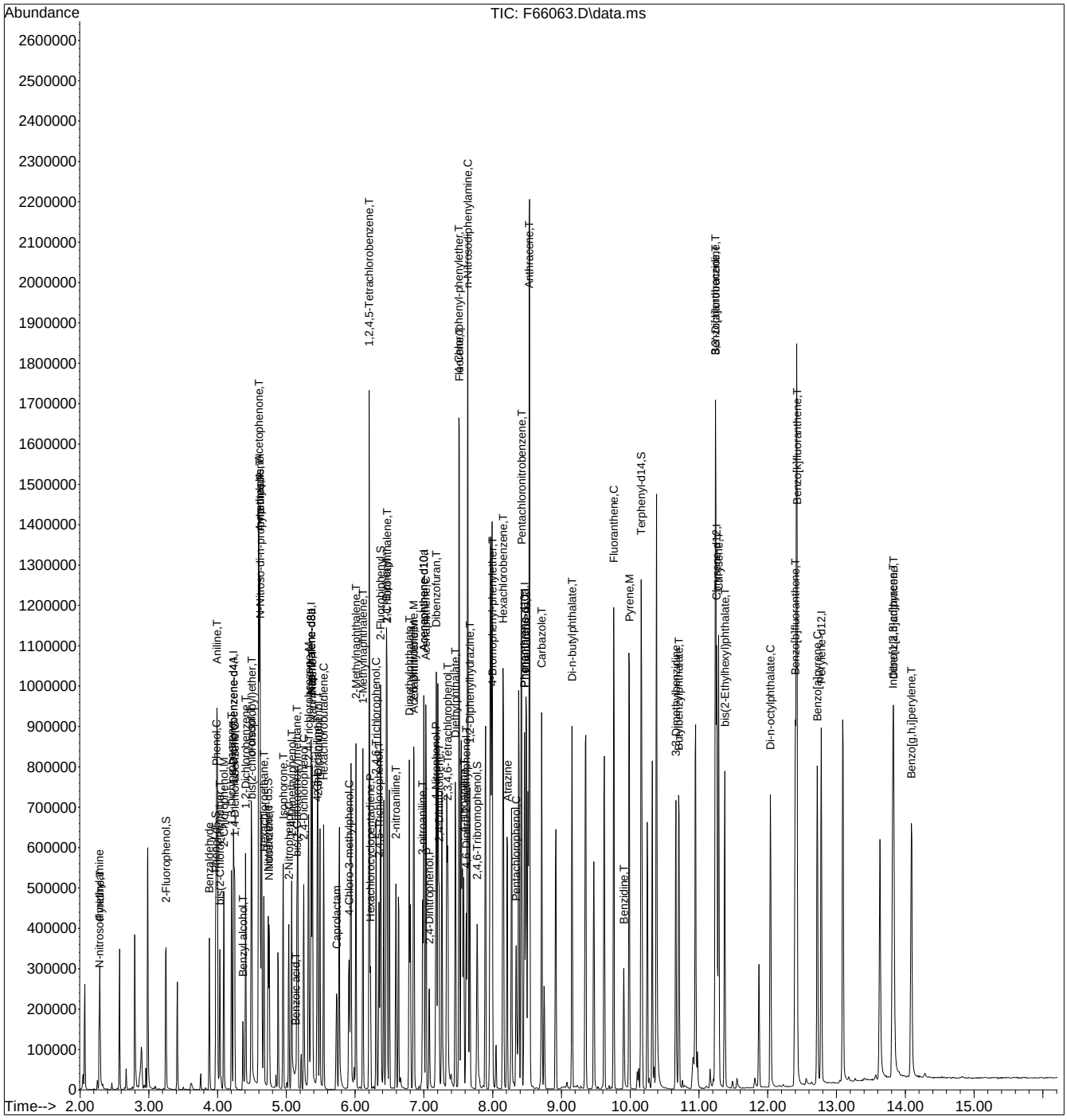
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Chloro-3-methylphenol	5.912	107	103460	47.84	ppm		92
38) 2-Methylnaphthalene	6.011	142	182609	37.94	ppm		98
39) 1-Methylnaphthalene	6.111	142	179782	38.51	ppm		99
40) 1,2,4,5-Tetrachloroben...	6.205	216	257166	87.77	ppm		99
42) Caprolactam	5.730	55	39161	45.62	ppm		93
44) Pentachloronitrobenzene	8.420	237	87409	108.50	ppm		98
45) Hexachlorocyclopentadiene	6.223	237	37556	19.49	ppm		97
46) 2,4,6-Trichlorophenol	6.305	196	75990	40.66	ppm		99
47) 2,4,5-Trichlorophenol	6.346	196	90271	45.44	ppm		98
49) 2-Chloronaphthalene	6.464	162	224267	45.82	ppm		93
50) Acenaphthylene	6.857	152	253217	32.61	ppm		99
51) Dimethylphthalate	6.787	163	244804	42.62	ppm		100
52) 2,4-Dinitrotoluene	7.222	165	78550	47.47	ppm		90
53) Acenaphthene	7.028	153	205351	41.80	ppm		98
54) 2,4-Dinitrophenol	7.081	184	33583	36.43	ppm		87
55) Dibenzofuran	7.181	168	295651	40.13	ppm		86
56) 2,6-Dinitrotoluene	6.852	165	55436	42.83	ppm		90
57) 4-Nitrophenol	7.175	65	58532m	55.25	ppm		
58) 2,3,4,6-Tetrachlorophenol	7.345	232	75356	42.87	ppm		98
59) Fluorene	7.515	166	254055	44.56	ppm		99
60) 4-Chlorophenyl-phenyle...	7.509	204	140218	44.38	ppm		91
61) Diethylphthalate	7.457	149	252507	44.77	ppm		97
62) 2-nitroaniline	6.593	138	67860	43.27	ppm		82
63) 3-nitroaniline	6.981	138	56066	41.93	ppm	#	74
64) 4-nitroaniline	7.580	138	56672	42.18	ppm		82
66) 1,1'-Biphenyl	6.452	154	240804	38.61	ppm		100
68) 4,6-Dinitro-2-methylph...	7.615	198	56846	46.73	ppm		100
69) n-Nitrosodiphenylamine	7.639	169	432741	104.71	ppm		96
70) 1,2-Diphenylhydrazine	7.668	77	240008	45.68	ppm		94
72) 4-Bromophenyl-phenylether	7.997	248	87704	43.64	ppm		93
73) Hexachlorobenzene	8.150	284	87293	41.96	ppm		94
74) Pentachlorophenol	8.344	266	57219	38.43	ppm		99
75) Phenanthrene	8.490	178	380058m	44.77	ppm		
76) Anthracene	8.532	178	393143	44.60	ppm		99
77) Carbazole	8.714	167	349537	45.40	ppm		98
78) Di-n-butylphthalate	9.154	149	418968	46.42	ppm		99
79) Fluoranthene	9.759	202	451228	51.13	ppm		100
81) Atrazine	8.214	200	79763	45.13	ppm		100
83) Benzidine	9.906	184	115206	32.97	ppm		97
84) Pyrene	9.988	202	445560	45.64	ppm		95
86) 3,3-Dimethylbenzidine	10.664	212	150447	29.59	ppm		100
87) Butylbenzylphthalate	10.705	149	171202	47.08	ppm		91
88) 3,3'-Dichlorobenzidine	11.240	252	156408	42.39	ppm		98
89) Benzo[a]anthracene	11.240	228	433777	47.39	ppm		98
90) Chrysene	11.287	228	397021	44.35	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.375	149	237510	47.72	ppm		99
93) Di-n-octylphthalate	12.039	149	401301	52.54	ppm		99
94) Benzo[b]fluoranthene	12.403	252	470441	54.65	ppm		97
95) Benzo[k]fluoranthene	12.426	252	385770	42.03	ppm		96
96) Benzo[a]pyrene	12.720	252	339262	42.49	ppm		95
97) Indeno[1,2,3-cd]pyrene	13.819	276	447989	45.00	ppm		82
98) Dibenz[a,h]anthracene	13.830	278	352904	45.93	ppm		98
99) Benzo[g,h,i]perylene	14.089	276	367710	43.50	ppm		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66063.D
Acq On : 9 Aug 2013 10:44 am
Operator : KRISTINR
Sample : OP34292-BS
Misc : OP34292,MSF3058,20.93,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 17:12:15 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/12/13 12:46

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66064.D
Acq On : 9 Aug 2013 11:08 am
Operator : KRISTINR
Sample : OP34292-MS
Misc : OP34292,MSF3058,20.35,,,1,5
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 09 17:18:14 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.235	152	76846	40.00	ppm	-0.03
21) 1,4-Dichlorobenzene-d4A	4.235	152	76846	40.00	PPM	-0.03
23) Naphthalene-d8	5.362	136	280177	40.00	ppm	-0.03
41) Naphthalene-d8a	5.362	136	280177	40.00	ppm	-0.03
43) Acenaphthene-d10	7.001	164	175869	40.00	ppm	-0.03
65) Acenaphthene-d10a	7.001	164	175869	40.00	ppm	-0.03
67) Phenanthrene-d10	8.458	188	319428m	40.00	ppm	-0.04
80) Phenanthrene-d10a	8.458	188	319147	40.00	ppm	-0.04
82) Chrysene-d12	11.260	240	352388	40.00	ppm	-0.04
92) Perylene-d12	12.782	264	333281	40.00	ppm	-0.04
100) Naphthalene-d8b	5.362	136	280177	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.248	112	13652	6.09	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery =	6.09%#		
7) Phenol-d5	3.970	99	19485	6.83	ppm	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery =	6.83%#		
24) Nitrobenzene-d5	4.734	82	19808	7.56	ppm	-0.05
Spiked Amount 50.000	Range 30 - 130		Recovery =	15.12%#		
48) 2-Fluorobiphenyl	6.367	172	42983	7.26	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery =	14.52%#		
71) 2,4,6-Tribromophenol	7.771	330	6007	5.87	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery =	5.87%#		
85) Terphenyl-d14	10.156	244	58338	7.80	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery =	15.60%#		
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.272	74	7571	5.07	ug/l #	75
3) Pyridine	2.290	79	10649	3.97	ppm	92
4) Aniline	3.994	93	16237	4.78	ppm #	1
6) bis(2-Chloroethyl)ether	4.029	63	10621	6.84	ppm	79
8) Phenol	3.982	94	23066	7.99	ppm	86
9) 2-Chlorophenol	4.088	128	16232	6.79	ppm	92
10) 1,3-Dichlorobenzene	4.205	146	16008	5.74	ppm	99
11) 1,4-Dichlorobenzene	4.246	146	16888	5.68	ppm	95
12) 1,2-Dichlorobenzene	4.411	146	16200	6.06	ppm	98
14) bis(2-chloroisopropyl)...	4.499	45	15976	8.29	ppm	96
15) o-cresol	4.481	108	18515	8.82	ppm	83
16) Acetophenone	4.593	105	50642	14.65	ppm	95
17) Hexachloroethane	4.675	117	6724	6.45	ppm	80
18) N-Nitroso-di-n-propyla...	4.610	70	13408	7.79	ppm	82
19) m+p-cresols	4.610	108	38584	16.70	ppm	93
20) 4-methylphenol	4.610	108	38584	16.70	ppm	93
22) Benzaldehyde	3.882	77	13441	7.17	ppm	96
25) Nitrobenzene	4.751	77	19592	7.41	ppm	90
26) Isophorone	4.951	82	31240	7.13	ppm	95
27) 2-Nitrophenol	5.033	139	8840	6.63	ppm	80
28) 2,4-Dimethylphenol	5.075	107	20165	8.07	ppm	93
29) bis(2-Chloroethoxy)met...	5.151	93	25102	9.64	ppm	98
31) 2,4-Dichlorophenol	5.251	162	16694	7.64	ppm	93
32) 1,2,4-Trichlorobenzene	5.321	180	16788	6.69	ppm	99
33) Naphthalene	5.380	128	122401	17.66	ppm	97
34) 2,6-Dichlorophenol	5.456	162	15316	7.04	ppm	96
35) 4-Chloroaniline	5.451	127	17421	5.83	ppm	100
36) Hexachlorobutadiene	5.545	225	11250	6.86	ppm	95
37) 4-Chloro-3-methylphenol	5.909	107	18867	8.76	ppm	91
38) 2-Methylnaphthalene	6.009	142	43496	9.07	ppm	99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66064.D
Acq On : 9 Aug 2013 11:08 am
Operator : KRISTINR
Sample : OP34292-MS
Misc : OP34292,MSF3058,20.35,,,1,5
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 09 17:18:14 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

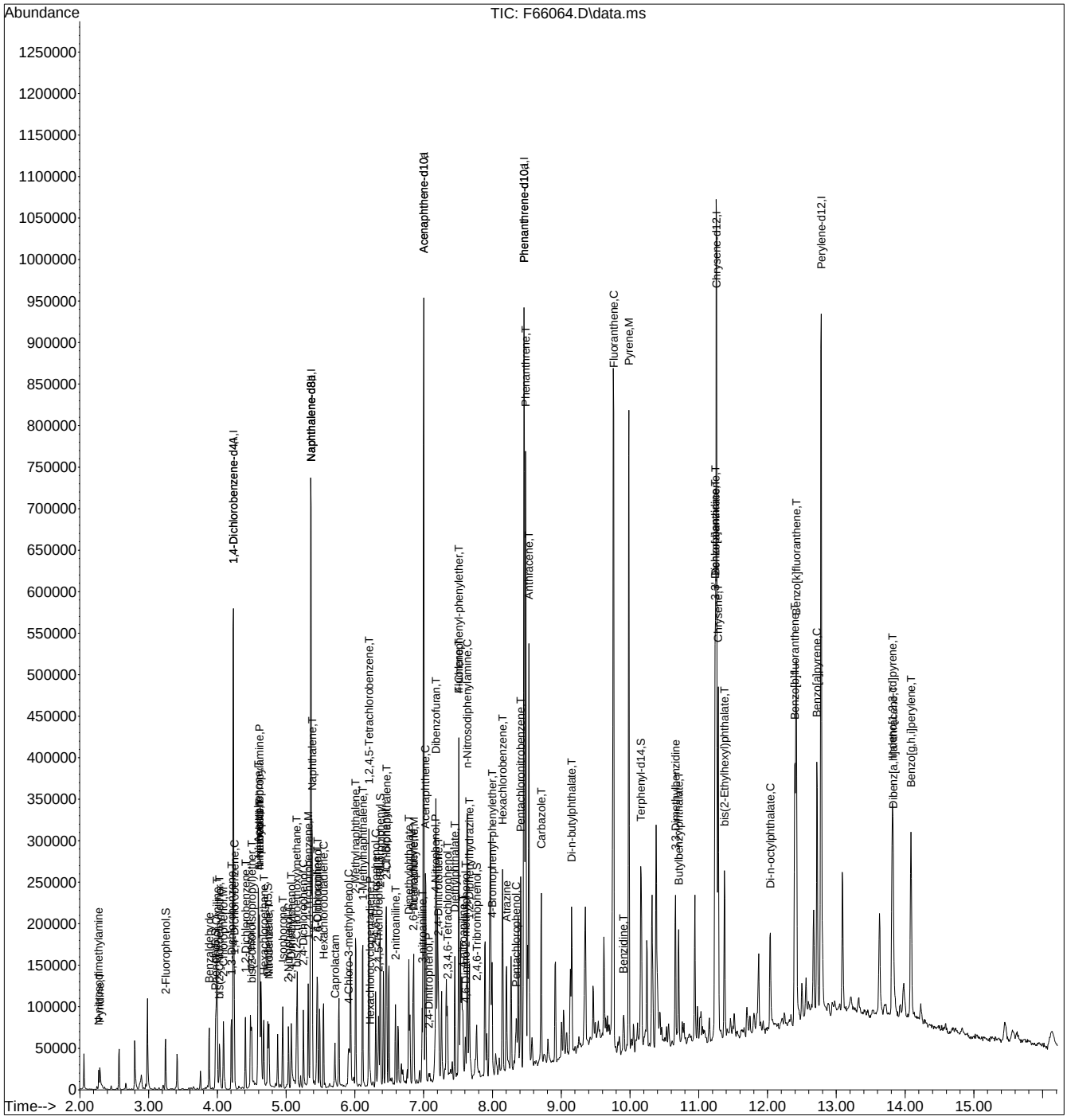
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 1-Methylnaphthalene	6.114	142	38264	8.23	ppm		96
40) 1,2,4,5-Tetrachloroben...	6.202	216	45585	15.62	ppm		98
42) Caprolactam	5.709	55	6455m	7.55	ppm		
44) Pentachloronitrobenzene	8.411	237	14367	18.28	ppm		96
45) Hexachlorocyclopentadiene	6.220	237	2216	1.18	ppm		95
46) 2,4,6-Trichlorophenol	6.302	196	12580	6.90	ppm		99
47) 2,4,5-Trichlorophenol	6.343	196	15159	7.82	ppm		97
49) 2-Chloronaphthalene	6.461	162	38570	8.08	ppm		93
50) Acenaphthylene	6.854	152	47618	6.29	ppm		98
51) Dimethylphthalate	6.784	163	41114	7.34	ppm		98
52) 2,4-Dinitrotoluene	7.213	165	13304	8.24	ppm		85
53) Acenaphthene	7.025	153	55099	11.50	ppm		98
54) 2,4-Dinitrophenol	7.072	184	1017	1.13	ppm	#	47
55) Dibenzofuran	7.178	168	73829	10.27	ppm		92
56) 2,6-Dinitrotoluene	6.849	165	9068	7.18	ppm		88
57) 4-Nitrophenol	7.172	65	10127	9.80	ppm	#	1
58) 2,3,4,6-Tetrachlorophenol	7.348	232	11020	6.43	ppm		96
59) Fluorene	7.512	166	66392	11.94	ppm		96
60) 4-Chlorophenyl-phenyle...	7.512	204	23625	7.66	ppm		95
61) Diethylphthalate	7.454	149	43504	7.91	ppm		97
62) 2-nitroaniline	6.590	138	10947	7.16	ppm		77
63) 3-nitroaniline	6.978	138	9155	7.02	ppm	#	75
64) 4-nitroaniline	7.571	138	9393	7.17	ppm		74
66) 1,1'-Biphenyl	6.449	154	44533	7.32	ppm		99
68) 4,6-Dinitro-2-methylph...	7.612	198	4254m	3.59	ppm		
69) n-Nitrosodiphenylamine	7.636	169	73739	18.34	ppm		95
70) 1,2-Diphenylhydrazine	7.665	77	42486	8.31	ppm		95
72) 4-Bromophenyl-phenylether	7.994	248	14334	7.33	ppm		99
73) Hexachlorobenzene	8.147	284	14205	7.02	ppm		97
74) Pentachlorophenol	8.341	266	5059	3.49	ppm		91
75) Phenanthrene	8.482	178	260402m	31.52	ppm		
76) Anthracene	8.529	178	115897	13.51	ppm		98
77) Carbazole	8.711	167	79814	10.65	ppm		98
78) Di-n-butylphthalate	9.151	149	73008	8.31	ppm		98
79) Fluoranthene	9.762	202	337116	39.26	ppm		93
81) Atrazine	8.206	200	14190	8.27	ppm		98
83) Benzidine	9.903	184	8813	2.55	ppm		89
84) Pyrene	9.986	202	282329	29.20	ppm		96
86) 3,3-Dimethylbenzidine	10.661	212	18956	3.76	ppm		100
87) Butylbenzylphthalate	10.708	149	29460	8.18	ppm		91
88) 3,3'-Dichlorobenzidine	11.237	252	26949	7.37	ppm		99
89) Benzo[a]anthracene	11.243	228	162366	17.91	ppm		97
90) Chrysene	11.284	228	156265	17.62	ppm		97
91) bis(2-Ethylhexyl)phtha...	11.372	149	44425	9.01	ppm		97
93) Di-n-octylphthalate	12.042	149	68399	10.28	ppm		98
94) Benzo[b]fluoranthene	12.394	252	144392m	15.96	ppm		
95) Benzo[k]fluoranthene	12.418	252	139566	14.47	ppm		98
96) Benzo[a]pyrene	12.717	252	132607	15.80	ppm		96
97) Indeno[1,2,3-cd]pyrene	13.816	276	132178	12.63	ppm		83
98) Dibenz[a,h]anthracene	13.827	278	83760	10.37	ppm		95
99) Benzo[g,h,i]perylene	14.086	276	119130m	13.41	ppm		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66064.D
Acq On : 9 Aug 2013 11:08 am
Operator : KRISTINR
Sample : OP34292-MS
Misc : OP34292,MSF3058,20.35,,,1,5
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 09 17:18:14 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/12/13 12:46

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66065.D
Acq On : 9 Aug 2013 11:31 am
Operator : KRISTINR
Sample : OP34292-MSD
Misc : OP34292,MSF3058,20.54,,,1,5
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 09 17:36:12 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.231	152	74807	40.00	ppm	-0.03
21) 1,4-Dichlorobenzene-d4A	4.231	152	74807	40.00	PPM	-0.03
23) Naphthalene-d8	5.359	136	286251	40.00	ppm	-0.03
41) Naphthalene-d8a	5.359	136	286251	40.00	ppm	-0.03
43) Acenaphthene-d10	6.998	164	176073	40.00	ppm	-0.03
65) Acenaphthene-d10a	6.998	164	176073	40.00	ppm	-0.03
67) Phenanthrene-d10	8.461	188	320636m	40.00	ppm	-0.03
80) Phenanthrene-d10a	8.461	188	320783	40.00	ppm	-0.03
82) Chrysene-d12	11.257	240	350502	40.00	ppm	-0.04
92) Perylene-d12	12.778	264	339862	40.00	ppm	-0.04
100) Naphthalene-d8b	5.359	136	286251	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.244	112	13624	6.25	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.25%#			
7) Phenol-d5	3.973	99	18872	6.80	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.80%#			
24) Nitrobenzene-d5	4.730	82	18398	6.87	ppm	-0.05
Spiked Amount 50.000	Range 30 - 130		Recovery = 13.74%#			
48) 2-Fluorobiphenyl	6.369	172	42413	7.16	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 14.32%#			
71) 2,4,6-Tribromophenol	7.773	330	6173	6.01	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.01%#			
85) Terphenyl-d14	10.158	244	59356	7.97	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 15.94%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.275	74	7315	5.03	ug/l #	70
3) Pyridine	2.293	79	10021	3.83	ppm	84
4) Aniline	3.990	93	16227	4.91	ppm #	1
6) bis(2-Chloroethyl)ether	4.031	63	10021	6.63	ppm	80
8) Phenol	3.984	94	23274	8.28	ppm	76
9) 2-Chlorophenol	4.090	128	15142	6.51	ppm	94
10) 1,3-Dichlorobenzene	4.202	146	15302	5.64	ppm	96
11) 1,4-Dichlorobenzene	4.249	146	15788	5.45	ppm	98
12) 1,2-Dichlorobenzene	4.407	146	15648	6.01	ppm	95
14) bis(2-chloroisopropyl)...	4.495	45	15401	8.21	ppm	98
15) o-cresol	4.484	108	18237	8.92	ppm	84
16) Acetophenone	4.595	105	48208	14.33	ppm	97
17) Hexachloroethane	4.672	117	6341	6.25	ppm	91
18) N-Nitroso-di-n-propyla...	4.613	70	12607	7.52	ppm	87
19) m+p-cresols	4.613	108	36811	16.37	ppm	97
20) 4-methylphenol	4.613	108	36811	16.37	ppm	97
22) Benzaldehyde	3.879	77	12532	6.87	ppm	96
25) Nitrobenzene	4.748	77	18552	6.87	ppm	85
26) Isophorone	4.948	82	31075	6.94	ppm	93
27) 2-Nitrophenol	5.036	139	8560	6.28	ppm	84
28) 2,4-Dimethylphenol	5.077	107	21142	8.28	ppm	89
29) bis(2-Chloroethoxy)met...	5.153	93	24112	9.06	ppm	99
31) 2,4-Dichlorophenol	5.253	162	15375	6.89	ppm	98
32) 1,2,4-Trichlorobenzene	5.324	180	16012	6.25	ppm	96
33) Naphthalene	5.377	128	138113	19.51	ppm	97
34) 2,6-Dichlorophenol	5.459	162	15005	6.75	ppm	95
35) 4-Chloroaniline	5.447	127	17512	5.73	ppm	100
36) Hexachlorobutadiene	5.541	225	11138	6.64	ppm	95
37) 4-Chloro-3-methylphenol	5.905	107	19072	8.66	ppm	90
38) 2-Methylnaphthalene	6.011	142	43317	8.84	ppm	95

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66065.D
Acq On : 9 Aug 2013 11:31 am
Operator : KRISTINR
Sample : OP34292-MSD
Misc : OP34292,MSF3058,20.54,,,1,5
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 09 17:36:12 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

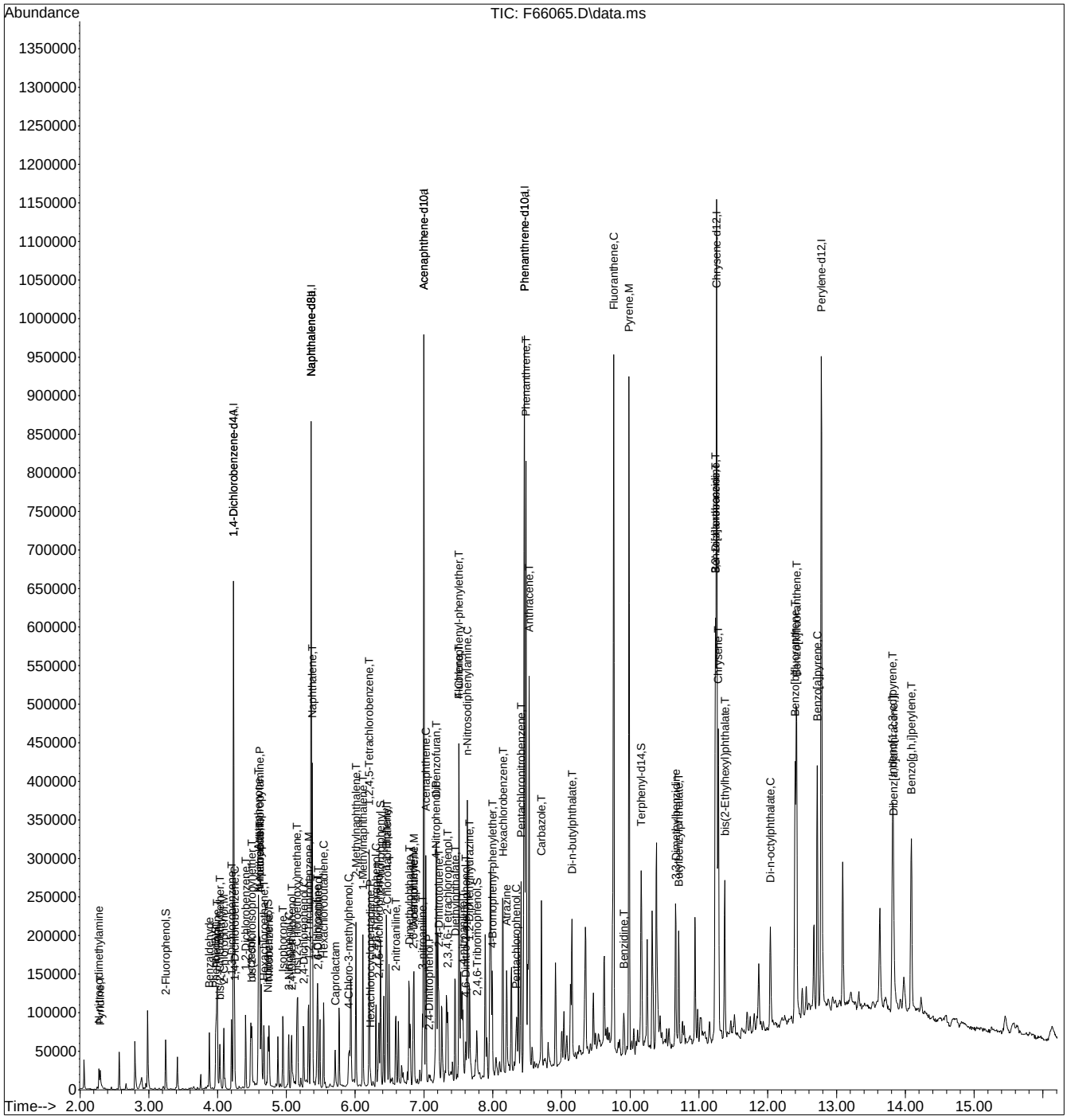
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	1-Methylnaphthalene	6.111	142	39636	8.34	ppm		99
40)	1,2,4,5-Tetrachloroben...	6.205	216	43585	14.61	ppm		96
42)	Caprolactam	5.711	55	7087	8.11	ppm		93
44)	Pentachloronitrobenzene	8.414	237	14564	18.51	ppm		95
45)	Hexachlorocyclopentadiene	6.223	237	1827	0.97	ppm		93
46)	2,4,6-Trichlorophenol	6.305	196	12740	6.98	ppm		99
47)	2,4,5-Trichlorophenol	6.346	196	15596	8.04	ppm		99
49)	2-Chloronaphthalene	6.463	162	39056	8.17	ppm		94
50)	Acenaphthylene	6.857	152	49183	6.49	ppm		99
51)	Dimethylphthalate	6.786	163	42638	7.60	ppm		98
52)	2,4-Dinitrotoluene	7.215	165	13652	8.45	ppm		99
53)	Acenaphthene	7.027	153	56282	11.73	ppm		99
54)	2,4-Dinitrophenol	7.074	184	1003	1.11	ppm		78
55)	Dibenzofuran	7.180	168	75333	10.47	ppm		91
56)	2,6-Dinitrotoluene	6.845	165	9200	7.28	ppm		90
57)	4-Nitrophenol	7.174	65	11763	11.37	ppm	#	1
58)	2,3,4,6-Tetrachlorophenol	7.345	232	11338	6.60	ppm		98
59)	Fluorene	7.509	166	70329	12.63	ppm		100
60)	4-Chlorophenyl-phenyle...	7.509	204	23942	7.76	ppm		92
61)	Diethylphthalate	7.456	149	45157	8.20	ppm		97
62)	2-nitroaniline	6.593	138	11282	7.37	ppm		85
63)	3-nitroaniline	6.980	138	9374	7.18	ppm	#	83
64)	4-nitroaniline	7.568	138	9997	7.62	ppm		75
66)	1,1'-Biphenyl	6.452	154	45580	7.48	ppm		100
68)	4,6-Dinitro-2-methylph...	7.609	198	4193	3.53	ppm		100
69)	n-Nitrosodiphenylamine	7.632	169	74201	18.38	ppm		96
70)	1,2-Diphenylhydrazine	7.662	77	43600	8.50	ppm		94
72)	4-Bromophenyl-phenylether	7.997	248	14648	7.46	ppm		96
73)	Hexachlorobenzene	8.149	284	14606	7.19	ppm		92
74)	Pentachlorophenol	8.337	266	5332	3.67	ppm		94
75)	Phenanthrene	8.484	178	278547m	33.59	ppm		
76)	Anthracene	8.531	178	120612	14.01	ppm		98
77)	Carbazole	8.707	167	83084	11.05	ppm		96
78)	Di-n-butylphthalate	9.154	149	75774	8.60	ppm		98
79)	Fluoranthene	9.759	202	335081	38.88	ppm		97
81)	Atrazine	8.202	200	15045	8.72	ppm		93
83)	Benzidine	9.906	184	12831	3.73	ppm		93
84)	Pyrene	9.982	202	288907	30.04	ppm		100
86)	3,3-Dimethylbenzidine	10.664	212	23028	4.60	ppm		100
87)	Butylbenzylphthalate	10.705	149	30958	8.64	ppm		93
88)	3,3'-Dichlorobenzidine	11.239	252	28560	7.86	ppm		98
89)	Benzo[a]anthracene	11.239	228	163207	18.10	ppm		98
90)	Chrysene	11.280	228	154070	17.47	ppm		97
91)	bis(2-Ethylhexyl)phtha...	11.374	149	45419	9.26	ppm		96
93)	Di-n-octylphthalate	12.038	149	74382	10.82	ppm		99
94)	Benzo[b]fluoranthene	12.397	252	157051	17.02	ppm		96
95)	Benzo[k]fluoranthene	12.420	252	126306	12.84	ppm		95
96)	Benzo[a]pyrene	12.720	252	131578	15.37	ppm		93
97)	Indeno[1,2,3-cd]pyrene	13.812	276	136093	12.75	ppm		81
98)	Dibenz[a,h]anthracene	13.830	278	87416	10.61	ppm		95
99)	Benzo[g,h,i]perylene	14.088	276	122888	13.56	ppm		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66065.D
Acq On : 9 Aug 2013 11:31 am
Operator : KRISTINR
Sample : OP34292-MSD
Misc : OP34292,MSF3058,20.54,,,1,5
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 09 17:36:12 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

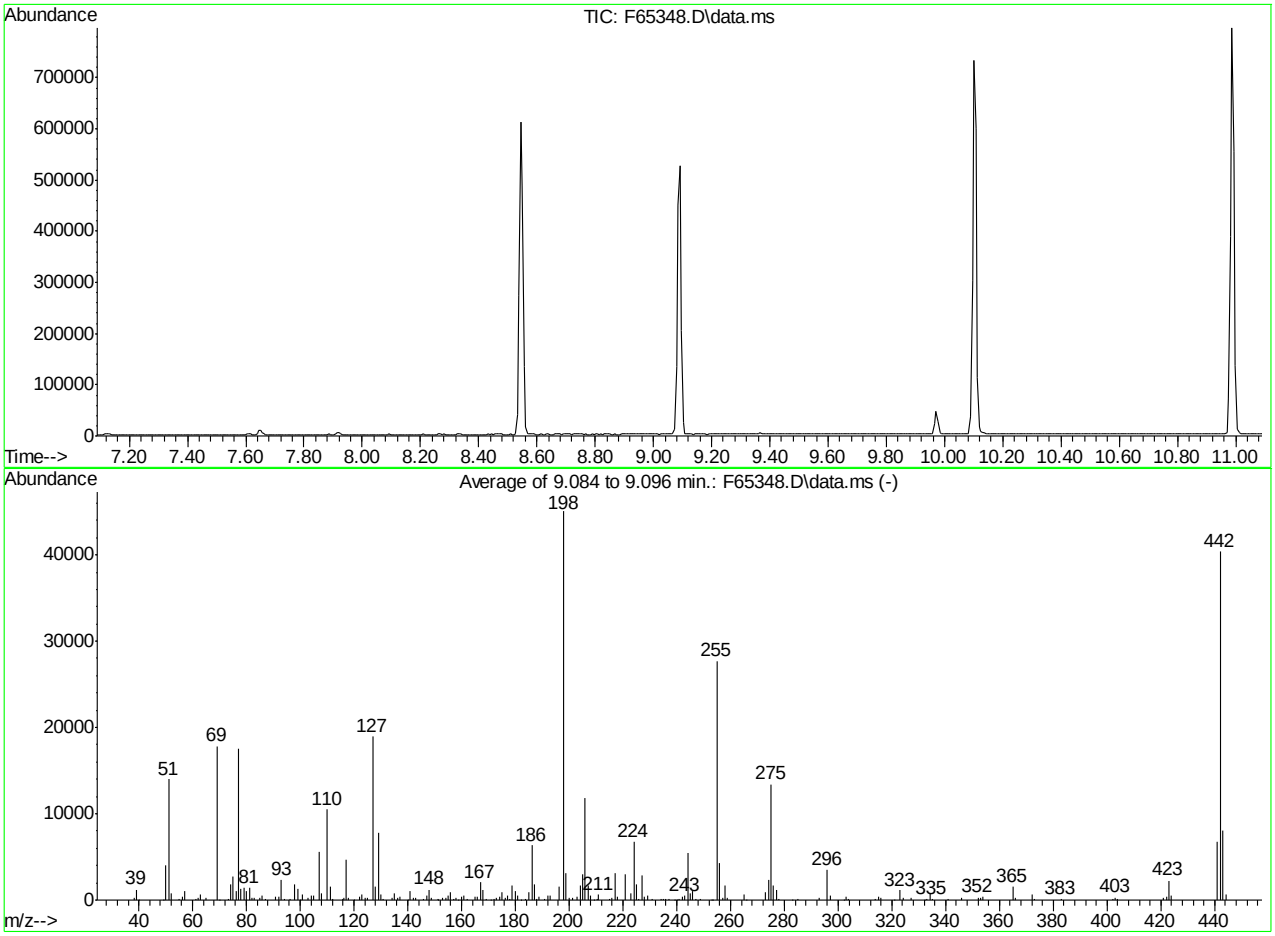


DFTPP

Data File : F:\1\DATA\F130701\F65348.D
Acq On : 1 Jul 2013 3:51 pm
Sample : DFTPP
Misc : OP33788,MSF3031,,,,1,1
MS Integration Params: rteint.p

Vial: 99
Operator: kristinr
Inst : MSF
Multiplr: 1.00

Method : C:\msdchem\2\METHODS\DFTPP.m (RTE Integrator)
Title : DFTPP and Tune Evaluation



Spectrum Information: Average of 9.084 to 9.096 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	31.1	13986	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	39.7	17861	PASS
70	69	0.00	2	0.3	53	PASS
127	198	40	60	42.0	18917	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	45035	PASS
199	198	5	9	7.1	3179	PASS
275	198	10	30	29.8	13412	PASS
365	198	1	100	3.4	1528	PASS
441	443	0.01	100	84.1	6771	PASS
442	198	40	100	89.6	40365	PASS
443	442	17	23	20.0	8054	PASS

F65348.D DFTPP.m Wed Jul 03 08:58:36 2013

Average of 9.084 to 9.096 min.: F65348.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	226	62.05	240	79.05	1402	94.05	163
39.05	1227	63.05	626	80.05	984	96.05	75
39.95	54	65.05	273	81.05	1418	98.05	1773
49.15	52	69.05	17861	82.00	322	99.00	1249
50.05	4047	70.05	53	83.00	276	100.05	53
51.05	13986	73.10	130	85.00	287	100.95	696
52.05	736	74.05	1829	85.95	468	102.95	258
55.15	130	75.05	2706	87.00	138	104.05	519
56.05	429	76.15	1010	91.00	384	105.00	549
57.05	1051	77.05	17489	92.05	347	107.05	5564
61.05	198	78.05	1257	93.05	2297	108.05	838

Average of 9.084 to 9.096 min.: F65348.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
110.05	10469	125.00	293	141.00	1108	155.00	546
111.05	1534	127.05	18917	141.95	328	156.00	902
111.95	179	128.05	1569	142.95	209	157.05	165
115.95	153	129.05	7796	146.00	167	157.95	228
116.15	206	129.95	675	147.05	482	158.95	60
117.05	4737	131.00	156	147.95	1203	160.00	355
118.05	325	134.00	284	148.95	321	161.00	464
120.05	61	135.05	731	151.15	59	162.05	136
122.00	418	136.05	261	151.45	81	164.95	441
122.95	601	137.05	341	153.00	315	166.00	355
123.95	207	139.85	52	154.00	242	167.00	2069

Average of 9.084 to 9.096 min.: F65348.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
168.05	1137	180.00	1019	193.05	559	207.95	487
169.00	160	180.95	522	196.05	1619	209.05	60
170.95	56	182.05	58	197.95	45035	210.25	196
171.90	175	183.95	127	198.95	3179	211.05	626
173.00	237	185.05	933	199.95	272	214.95	139
174.00	380	186.05	6321	201.45	212	215.95	280
175.05	887	187.05	1790	203.00	331	216.95	3130
176.05	291	188.00	146	204.05	1663	217.95	445
176.95	487	188.95	421	205.05	3039	221.00	3049
178.05	140	191.00	168	206.05	11866	223.00	827
178.95	1683	191.95	535	207.05	1731	224.05	6698

Average of 9.084 to 9.096 min.: F65348.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
225.05	1840	240.05	60	254.95	27723	276.95	1158
226.05	175	241.00	144	255.95	4334	278.05	98
226.95	2830	241.95	361	257.00	268	282.95	53
228.00	434	243.00	490	257.95	1701	285.05	103
229.00	527	244.05	5403	258.95	266	293.00	233
230.95	193	245.00	756	264.95	605	296.00	3476
234.00	160	245.95	1054	266.05	53	296.95	509
234.95	176	247.00	198	273.00	876	302.05	53
235.95	128	248.95	191	274.00	2323	303.00	425
237.00	183	252.95	53	275.05	13412	303.95	93
239.05	51	253.15	58	276.05	1749	314.00	147

Average of 9.084 to 9.096 min.: F65348.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
314.90	408	345.95	292	403.95	70		
315.95	289	351.95	322	420.90	284		
320.95	56	353.05	251	422.10	353		
323.05	1168	354.00	397	423.00	2211		

DFTPP.m Wed Jul 03 08:58:25 2013 Page: 0

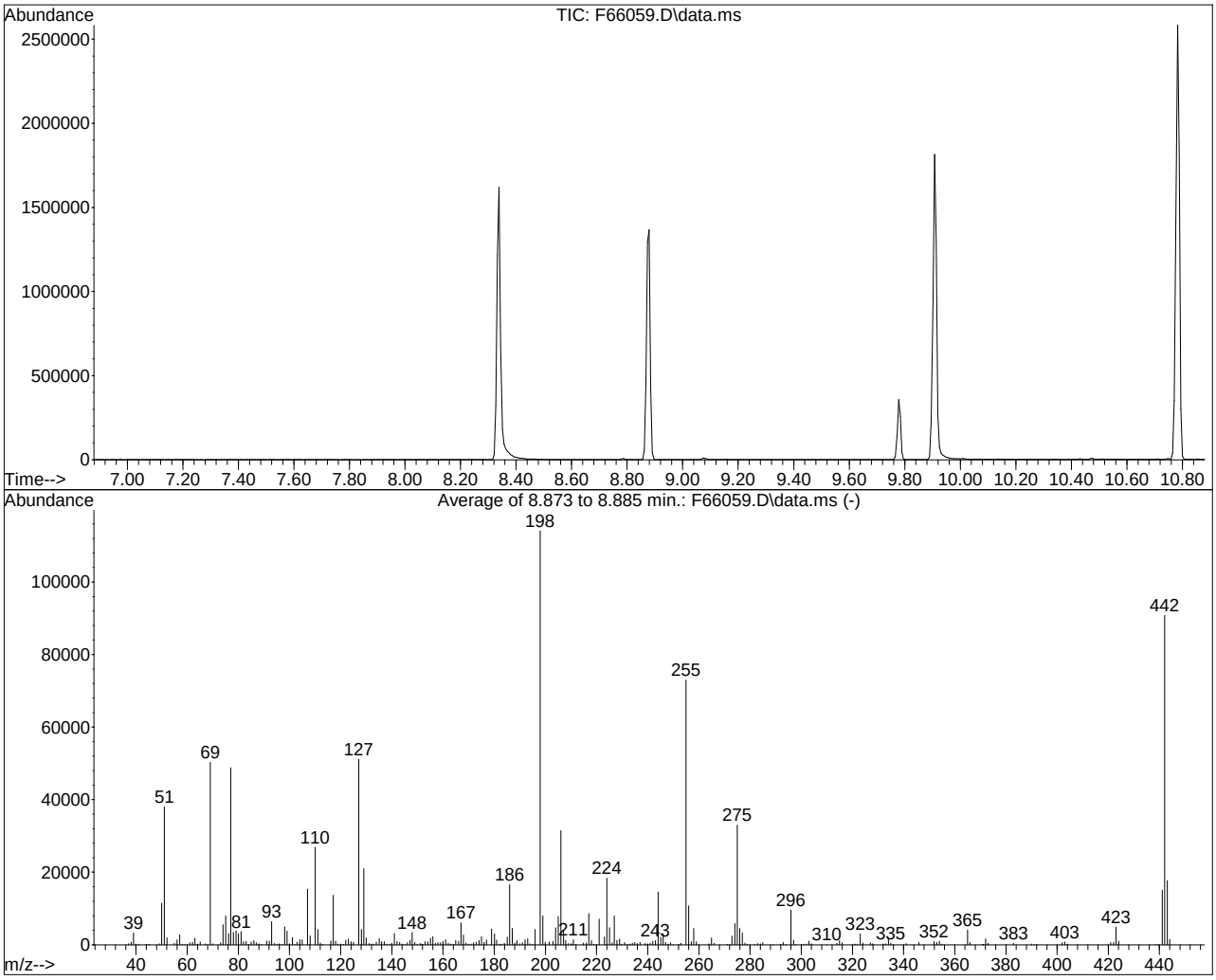
ACCUTEST LABORATORIES MC23272

324.05	234	364.95	1528	424.00	472
327.00	205	365.95	276	441.05	6771
331.95	55	372.05	597	442.05	40365
333.05	82	373.05	74	443.05	8054
334.05	818	382.95	78	444.05	700
334.95	94	401.95	173		
340.95	109	403.00	267		

DFTPP

Data File : F:\1\DATA\F130809\F66059.D Vial: 99
Acq On : 9 Aug 2013 9:09 am Operator: KRISTINR
Sample : DFTPP Inst : MSF
Misc : OP34224,MSF3058,,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\1\methods\dftppeval.m (RTE Integrator)
Title : DFTPP and Tune Evaluation



Spectrum Information: Average of 8.873 to 8.885 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.3	37967	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	44.1	50267	PASS
70	69	0.00	2	0.6	284	PASS
127	198	40	60	44.9	51191	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	114099	PASS
199	198	5	9	7.0	7945	PASS
275	198	10	30	28.9	32989	PASS
365	198	1	100	3.6	4088	PASS
441	443	0.01	100	85.2	15084	PASS
442	198	40	100	79.6	90768	PASS
443	442	17	23	19.5	17700	PASS

F66059.D dftppeval.m Fri Aug 09 13:41:06 2013

Average of 8.873 to 8.885 min.: F66059.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.05	258	55.05	434	69.05	50267	82.00	877
38.10	721	56.05	1353	69.95	284	83.05	914
39.05	3298	57.05	2756	73.05	580	83.95	77
39.95	173	58.00	145	74.05	5496	85.05	797
41.05	39	59.05	51	75.05	7942	86.05	1174
44.05	115	61.05	559	76.15	3021	87.00	516
45.05	115	62.05	679	77.05	48821	88.05	227
49.05	266	63.05	1804	78.05	3382	89.05	53
50.05	11496	64.00	210	79.05	3842	91.05	1068
51.05	37967	65.10	787	80.05	3065	92.05	1026
52.05	1963	67.15	225	81.05	3613	93.05	6382

Average of 8.873 to 8.885 min.: F66059.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.05	370	104.95	1337	120.05	190	132.05	184
95.05	158	107.05	15314	121.05	102	132.90	176
96.05	278	108.05	2421	122.00	1211	133.95	665
97.05	104	110.05	26891	123.00	1602	135.05	1688
98.05	4965	111.05	4132	124.05	864	136.00	833
99.05	3763	112.00	493	124.95	670	137.00	818
99.95	271	112.90	130	127.05	51191	138.00	182
101.05	1923	116.10	1090	128.05	4183	139.05	129
102.05	53	117.05	13657	129.05	20983	139.95	383
103.00	683	118.00	960	130.00	1892	140.95	3099
104.05	1374	118.95	164	131.05	299	142.05	953

Average of 8.873 to 8.885 min.: F66059.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
143.00	654	153.05	855	164.00	144	175.05	2204
143.95	221	154.00	758	164.95	1186	176.05	730
145.05	54	155.05	1774	166.05	1002	176.95	1262
146.00	575	156.05	2267	167.05	6046	178.95	4336
147.05	1239	157.05	421	168.00	2682	180.05	2966
147.95	3377	157.95	593	168.95	492	180.95	1310
149.00	607	159.00	528	169.95	218	182.05	208
149.90	165	159.95	944	170.95	192	182.85	121
151.05	363	161.00	1357	171.95	562	183.95	407
151.35	163	162.00	426	172.95	723	185.05	2111
152.05	104	162.95	159	174.05	1139	186.05	16593

Average of 8.873 to 8.885 min.: F66059.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
187.05	4484	198.95	7945	210.65	138	225.05	4718
188.05	489	199.95	719	210.95	1331	226.05	576
188.95	1119	201.50	748	211.85	74	226.95	7960
189.95	256	202.90	945	214.90	484	228.00	1200
191.00	528	204.00	4625	216.05	447	228.95	1583
192.00	1363	205.05	7830	216.95	8608	229.85	221
193.05	1628	206.05	31484	217.95	1158	231.00	648
193.95	285	207.05	4049	218.95	125	232.05	67
195.05	103	207.95	1193	221.00	7083	233.00	218
195.95	4233	208.95	348	223.05	2147	233.95	447
197.95	114099	210.00	281	224.05	18329	234.95	596

Average of 8.873 to 8.885 min.: F66059.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
236.00	317	247.95	173	264.95	1893	281.85	53
236.95	656	248.95	553	265.95	433	283.00	356
238.95	368	249.95	50	271.05	115	284.00	242
239.95	274	252.00	130	272.05	55	285.00	565
240.95	453	252.95	380	272.95	2360	288.95	71
242.00	984	254.95	72955	274.05	5818	291.95	76
243.05	1174	255.95	10718	275.00	32989	292.95	646
244.05	14525	257.00	832	275.95	4487	294.00	110
245.05	2031	257.95	4474	276.95	3236	295.95	9586
246.00	3072	259.00	883	278.00	467	297.00	1251
246.95	599	263.85	235	278.95	118	297.90	111

Average of 8.873 to 8.885 min.: F66059.D\data.ms

dftppeval.m Fri Aug 09 13:40:06 2013

DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
300.95	78	324.05	490	352.95	660	391.05	68
302.00	161	326.95	590	354.00	956	392.05	57
303.05	966	327.95	288	355.00	169	401.95	574
304.00	276	332.05	211	364.95	4088	403.00	776
309.95	54	333.00	264	365.95	630	404.00	214
313.95	495	334.05	1911	370.95	128	420.95	661
314.95	1129	334.95	480	371.15	111	422.10	652
316.00	553	336.05	51	372.05	1629	423.05	4907
320.95	223	341.00	370	373.00	400	424.05	990
321.95	62	345.95	649	382.95	374	438.35	53
323.05	3043	351.95	876	390.00	166	439.45	72

Average of 8.873 to 8.885 min.: F66059.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
441.05	15084						
442.05	90768						
443.05	17700						
444.00	1496						

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65349.D
Acq On : 1 Jul 2013 4:12 pm
Operator : kristinr
Sample : ICC3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 10 06:58:29 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:10:10 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.421	152	64528	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.421	152	64528	40.00	PPM	0.00
23) Naphthalene-d8	5.555	136	236571	40.00	ppm	0.00
41) Naphthalene-d8a	5.555	136	236571	40.00	ppm	0.00
43) Acenaphthene-d10	7.199	164	147912	40.00	ppm	0.00
65) Acenaphthene-d10a	7.199	164	147912	40.00	ppm	0.00
67) Phenanthrene-d10	8.680	188	266380	40.00	ppm	0.00
80) Phenanthrene-d10a	8.680	188	266380	40.00	ppm	0.00
82) Chrysene-d12	11.476	240	278608	40.00	ppm	0.00
92) Perylene-d12	13.003	264	257022	40.00	ppm	0.00
100) Naphthalene-d8b	5.555	136	235501m	40.00	ug/mL	0.63
System Monitoring Compounds						
5) 2-Fluorophenol	3.410	112	96300	45.00	ppm	0.05
Spiked Amount 100.000	Range 30 - 130		Recovery = 45.00%			
7) Phenol-d5	4.133	99	121124	41.14	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 41.14%			
24) Nitrobenzene-d5	4.926	82	114543	44.19	ppm	0.03
Spiked Amount 50.000	Range 30 - 130		Recovery = 88.38%			
48) 2-Fluorobiphenyl	6.565	172	248684	50.86	ppm	0.02
Spiked Amount 50.000	Range 30 - 130		Recovery = 101.72%			
71) 2,4,6-Tribromophenol	7.981	330	43836	53.80	ppm	0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 53.80%			
85) Terphenyl-d14	10.360	244	293748	48.87	ppm	0.16
Spiked Amount 50.000	Range 30 - 130		Recovery = 97.74%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.453	74	63151	42.14	ug/l	99
3) Pyridine	2.459	79	114016	41.54	ppm	93
4) Aniline	4.174	93	143976	40.10	ppm #	1
6) bis(2-Chloroethyl)ether	4.215	63	66215	40.95	ppm	88
8) Phenol	4.145	94	122797	39.83	ppm	98
9) 2-Chlorophenol	4.268	128	102345	47.36	ppm	95
10) 1,3-Dichlorobenzene	4.392	146	117745	48.18	ppm	98
11) 1,4-Dichlorobenzene	4.439	146	123971	48.50	ppm	97
12) 1,2-Dichlorobenzene	4.597	146	112511	48.27	ppm	98
13) Benzyl alcohol	4.550	108	66207	42.54	ppm	97
14) bis(2-chloroisopropyl)...	4.679	45	80940	35.47	ppm	95
15) o-cresol	4.650	108	90089m	19.68	ppm	
16) Acetophenone	4.785	105	144872	41.35	ppm	90
17) Hexachloroethane	4.867	117	43857	43.87	ppm	80
18) N-Nitroso-di-n-propyla...	4.803	70	73204	43.93	ppm	97
19) m+p-cresols	4.779	108	195467	85.41	ppm	92
20) 4-methylphenol	4.779	108	195467	85.41	ppm	92
25) Nitrobenzene	4.938	77	113863	43.21	ppm	90
26) Isophorone	5.143	82	191272	41.80	ppm	98
27) 2-Nitrophenol	5.226	139	56917	51.72	ppm	92
28) 2,4-Dimethylphenol	5.249	107	106531	44.94	ppm	93
29) bis(2-Chloroethoxy)met...	5.337	93	113201	42.85	ppm	100

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65349.D
Acq On : 1 Jul 2013 4:12 pm
Operator : kristinr
Sample : ICC3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 10 06:58:29 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:10:10 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.337	105	82538	44.06	ppm	95
31) 2,4-Dichlorophenol	5.431	162	93953	53.36	ppm	97
32) 1,2,4-Trichlorobenzene	5.514	180	107678	58.22	ppm	97
33) Naphthalene	5.572	128	293425	48.05	ppm	96
34) 2,6-Dichlorophenol	5.643	162	91884	53.17	ppm	98
35) 4-Chloroaniline	5.637	127	126193	48.57	ppm	100
36) Hexachlorobutadiene	5.737	225	69440	56.89	ppm	97
37) 4-Chloro-3-methylphenol	6.072	107	91991	44.27	ppm	92
38) 2-Methylnaphthalene	6.207	142	202690	50.65	ppm	98
39) 1-Methylnaphthalene	6.312	142	197144	50.29	ppm	98
40) 1,2,4,5-Tetrachloroben...	6.401	216	122056	58.01	ppm	98
44) Pentachloronitrobenzene	8.633	237	33166	52.05	ppm	99
45) Hexachlorocyclopentadiene	6.418	237	80655	66.08	ppm	99
46) 2,4,6-Trichlorophenol	6.495	196	75608	53.17	ppm	96
47) 2,4,5-Trichlorophenol	6.524	196	82277	53.98	ppm	99
49) 2-Chloronaphthalene	6.659	162	202728	51.27	ppm	96
50) Acenaphthylene	7.059	152	323569	50.68	ppm	97
51) Dimethylphthalate	6.976	163	236408	49.29	ppm	100
52) 2,4-Dinitrotoluene	7.417	165	70148	51.23	ppm	96
53) Acenaphthene	7.235	153	200532	50.63	ppm	97
54) 2,4-Dinitrophenol	7.264	184	37249	49.92	ppm	91
55) Dibenzofuran	7.387	168	303833	53.42	ppm	98
56) 2,6-Dinitrotoluene	7.041	165	54439	53.29	ppm	71
57) 4-Nitrophenol	7.323	65	42953	39.35	ppm	88
58) 2,3,4,6-Tetrachlorophenol	7.546	232	73304	55.98	ppm	99
59) Fluorene	7.722	166	237410	52.68	ppm	99
60) 4-Chlorophenyl-phenyle...	7.716	204	131362	58.63	ppm	97
61) Diethylphthalate	7.658	149	228939	47.92	ppm	99
62) 2-nitroaniline	6.782	138	66015	48.86	ppm	92
63) 3-nitroaniline	7.176	138	55698	47.37	ppm	96
64) 4-nitroaniline	7.775	138	56019	46.75	ppm	84
68) 4,6-Dinitro-2-methylph...	7.816	198	51105	51.99	ppm	100
69) n-Nitrosodiphenylamine	7.840	169	169003	47.35	ppm	96
70) 1,2-Diphenylhydrazine	7.875	77	218262m	39.26	ppm	
72) 4-Bromophenyl-phenylether	8.210	248	82444	55.59	ppm	92
73) Hexachlorobenzene	8.368	284	85880	58.01	ppm	88
74) Pentachlorophenol	8.545	266	61441	61.59	ppm	98
75) Phenanthrene	8.709	178	343960	49.75	ppm	99
76) Anthracene	8.756	178	364961	51.60	ppm	99
77) Carbazole	8.927	167	317945	48.79	ppm	97
78) Di-n-butylphthalate	9.367	149	377803	45.27	ppm	100
79) Fluoranthene	9.966	202	364848m	47.12	ppm	
83) Benzidine	10.101	184	144878	44.85	ppm	97
84) Pyrene	10.190	202	385260m	48.36	ppm	
86) 3,3-Dimethylbenzidine	10.865	212	208984	46.53	ppm	100
87) Butylbenzylphthalate	10.912	149	144382	40.57	ppm	97
88) 3,3'-Dichlorobenzidine	11.453	252	151245	52.77	ppm	99
89) Benzo[a]anthracene	11.458	228	362432	48.47	ppm	98
90) Chrysene	11.505	228	346125	47.50	ppm	98
91) bis(2-Ethylhexyl)phtha...	11.582	149	209902	41.45	ppm	98

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65349.D
Acq On : 1 Jul 2013 4:12 pm
Operator : kristinr
Sample : ICC3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 10 06:58:29 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:10:10 2013
Response via : Initial Calibration

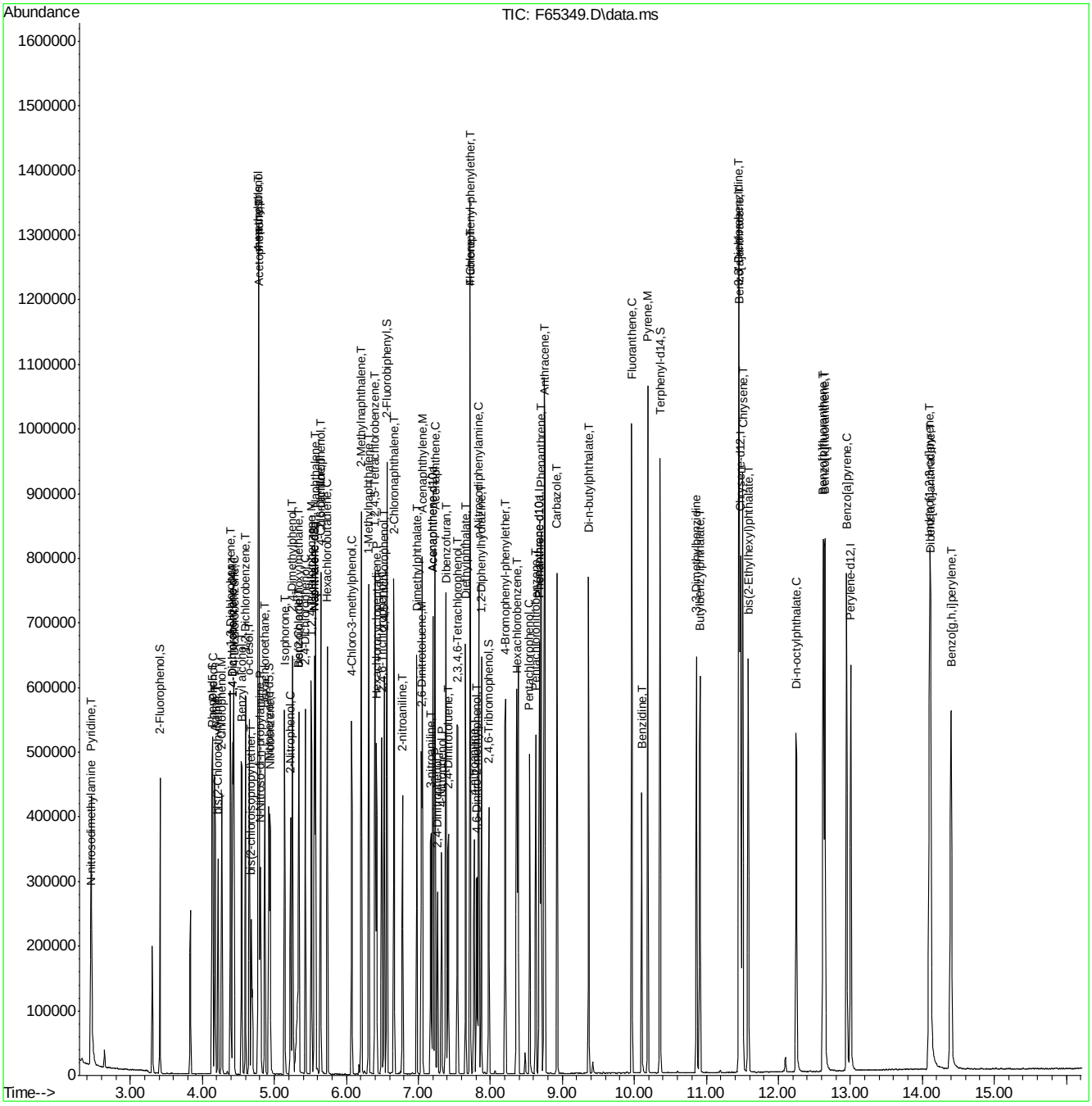
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.246	149	323960m	38.32	ppm	
94) Benzo[b]fluoranthene	12.622	252	358191m	45.45	ppm	
95) Benzo[k]fluoranthene	12.651	252	379179m	52.84	ppm	
96) Benzo[a]pyrene	12.951	252	341207m	49.57	ppm	
97) Indeno[1,2,3-cd]pyrene	14.102	276	411915m	51.03	ppm	
98) Dibenz[a,h]anthracene	14.114	278	331592m	50.60	ppm	
99) Benzo[g,h,i]perylene	14.402	276	348150m	52.11	ppm	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65349.D
Acq On : 1 Jul 2013 4:12 pm
Operator : kristinr
Sample : ICC3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 10 06:58:29 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:10:10 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65350.D
Acq On : 1 Jul 2013 4:36 pm
Operator : kristinr
Sample : IC3031-2
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 10 06:59:07 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:12:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.421	152	60446	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.421	152	60446	40.00	PPM		0.00
23) Naphthalene-d8	5.555	136	228090	40.00	ppm		0.00
41) Naphthalene-d8a	5.555	136	228090	40.00	ppm		0.00
43) Acenaphthene-d10	7.199	164	142178	40.00	ppm		0.00
65) Acenaphthene-d10a	7.199	164	142178	40.00	ppm		0.00
67) Phenanthrene-d10	8.680	188	259113	40.00	ppm		0.00
80) Phenanthrene-d10a	8.680	188	259113	40.00	ppm		0.00
82) Chrysene-d12	11.476	240	267431	40.00	ppm		0.00
92) Perylene-d12	13.003	264	246581	40.00	ppm		0.00
100) Naphthalene-d8b	5.555	136	228090	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.410	112	3493	1.94	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.94%#				
7) Phenol-d5	4.127	99	4574	2.02	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 2.02%#				
24) Nitrobenzene-d5	4.920	82	3978	1.80	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.60%#				
48) 2-Fluorobiphenyl	6.565	172	9408	1.97	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.94%#				
71) 2,4,6-Tribromophenol	7.975	330	1476	1.73	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.73%#				
85) Terphenyl-d14	10.354	244	11180	1.98	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.96%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.459	74	2245	1.90	ug/l		98
3) Pyridine	2.482	79	4209	1.97	ppm		84
4) Aniline	4.174	93	5501	2.04	ppm	#	1
6) bis(2-Chloroethyl)ether	4.215	63	2474	1.99	ppm		86
8) Phenol	4.139	94	4417	1.92	ppm		97
9) 2-Chlorophenol	4.268	128	3758	1.96	ppm		97
10) 1,3-Dichlorobenzene	4.391	146	4312	1.95	ppm		96
11) 1,4-Dichlorobenzene	4.433	146	4720	2.03	ppm		94
12) 1,2-Dichlorobenzene	4.597	146	4217	2.00	ppm		98
13) Benzyl alcohol	4.544	108	2296	1.85	ppm		98
14) bis(2-chloroisopropyl)...	4.679	45	3133	2.07	ppm		94
15) o-cresol	4.650	108	3323m	0.91	ppm		
16) Acetophenone	4.785	105	5466	2.01	ppm		98
17) Hexachloroethane	4.867	117	1454	1.77	ppm		84
18) N-Nitroso-di-n-propyla...	4.803	70	2717	1.98	ppm		96
19) m+p-cresols	4.773	108	7193	3.93	ppm		99
20) 4-methylphenol	4.773	108	7193	3.93	ppm		99
25) Nitrobenzene	4.938	77	4092	1.86	ppm		87
26) Isophorone	5.143	82	6766	1.83	ppm		95
27) 2-Nitrophenol	5.226	139	1808	1.65	ppm		90
28) 2,4-Dimethylphenol	5.249	107	3604	1.75	ppm		96
29) bis(2-Chloroethoxy)met...	5.337	93	4140	1.90	ppm		90

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65350.D
Acq On : 1 Jul 2013 4:36 pm
Operator : kristinr
Sample : IC3031-2
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 10 06:59:07 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:12:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.284	105	1696	1.07	ppm		98
31) 2,4-Dichlorophenol	5.431	162	3231	1.78	ppm		95
32) 1,2,4-Trichlorobenzene	5.513	180	4035	1.94	ppm		94
33) Naphthalene	5.572	128	10723	1.90	ppm		96
34) 2,6-Dichlorophenol	5.643	162	3334	1.88	ppm		95
35) 4-Chloroaniline	5.637	127	4479	1.84	ppm		100
36) Hexachlorobutadiene	5.737	225	2733	2.04	ppm		93
37) 4-Chloro-3-methylphenol	6.072	107	3383	1.91	ppm		85
38) 2-Methylnaphthalene	6.207	142	7655	1.96	ppm		96
39) 1-Methylnaphthalene	6.306	142	7589	2.00	ppm		96
40) 1,2,4,5-Tetrachloroben...	6.400	216	4709	2.00	ppm		99
44) Pentachloronitrobenzene	8.627	237	1019	1.60	ppm		92
45) Hexachlorocyclopentadiene	6.418	237	2576	1.66	ppm		99
46) 2,4,6-Trichlorophenol	6.489	196	2604	1.79	ppm		99
47) 2,4,5-Trichlorophenol	6.524	196	2764	1.75	ppm		94
49) 2-Chloronaphthalene	6.659	162	7263	1.86	ppm		90
50) Acenaphthylene	7.053	152	11738	1.89	ppm		97
51) Dimethylphthalate	6.976	163	8863	1.95	ppm		99
52) 2,4-Dinitrotoluene	7.411	165	2100	1.56	ppm		99
53) Acenaphthene	7.229	153	7654	1.99	ppm		98
55) Dibenzofuran	7.382	168	11449	1.96	ppm		97
56) 2,6-Dinitrotoluene	7.035	165	1606	1.53	ppm		83
57) 4-Nitrophenol	7.317	65	1362	1.65	ppm	#	78
58) 2,3,4,6-Tetrachlorophenol	7.540	232	2338	1.66	ppm		95
59) Fluorene	7.716	166	8583	1.88	ppm		97
60) 4-Chlorophenyl-phenyle...	7.716	204	4756	1.88	ppm		94
61) Diethylphthalate	7.652	149	9617	2.19	ppm		99
62) 2-nitroaniline	6.782	138	1964	1.55	ppm		90
63) 3-nitroaniline	7.170	138	1725	1.61	ppm		92
64) 4-nitroaniline	7.763	138	1742	1.62	ppm		94
68) 4,6-Dinitro-2-methylph...	7.810	198	1094	1.10	ppm		100
69) n-Nitrosodiphenylamine	7.834	169	6088	1.85	ppm		95
70) 1,2-Diphenylhydrazine	7.869	77	7858	1.85	ppm		97
72) 4-Bromophenyl-phenylether	8.204	248	3115	1.94	ppm		96
73) Hexachlorobenzene	8.363	284	3063	1.83	ppm		94
74) Pentachlorophenol	8.545	266	1729	1.45	ppm		96
75) Phenanthrene	8.703	178	13364	2.00	ppm		99
76) Anthracene	8.750	178	12989	1.83	ppm		99
77) Carbazole	8.926	167	11159	1.80	ppm		96
78) Di-n-butylphthalate	9.367	149	13110	1.78	ppm		98
79) Fluoranthene	9.966	202	12838	1.81	ppm		95
83) Benzidine	10.101	184	4163	1.50	ppm		93
84) Pyrene	10.184	202	13600	1.84	ppm		95
86) 3,3-Dimethylbenzidine	10.865	212	6324	1.58	ppm		100
87) Butylbenzylphthalate	10.906	149	4506	1.63	ppm		99
88) 3,3'-Dichlorobenzidine	11.447	252	4156	1.43	ppm		96
89) Benzo[a]anthracene	11.452	228	13255	1.91	ppm		99
90) Chrysene	11.499	228	13123	1.97	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.582	149	5087	1.26	ppm		93
93) Di-n-octylphthalate	12.246	149	6176	0.99	ppm		93

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65350.D
Acq On : 1 Jul 2013 4:36 pm
Operator : kristinr
Sample : IC3031-2
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 10 06:59:07 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:12:23 2013
Response via : Initial Calibration

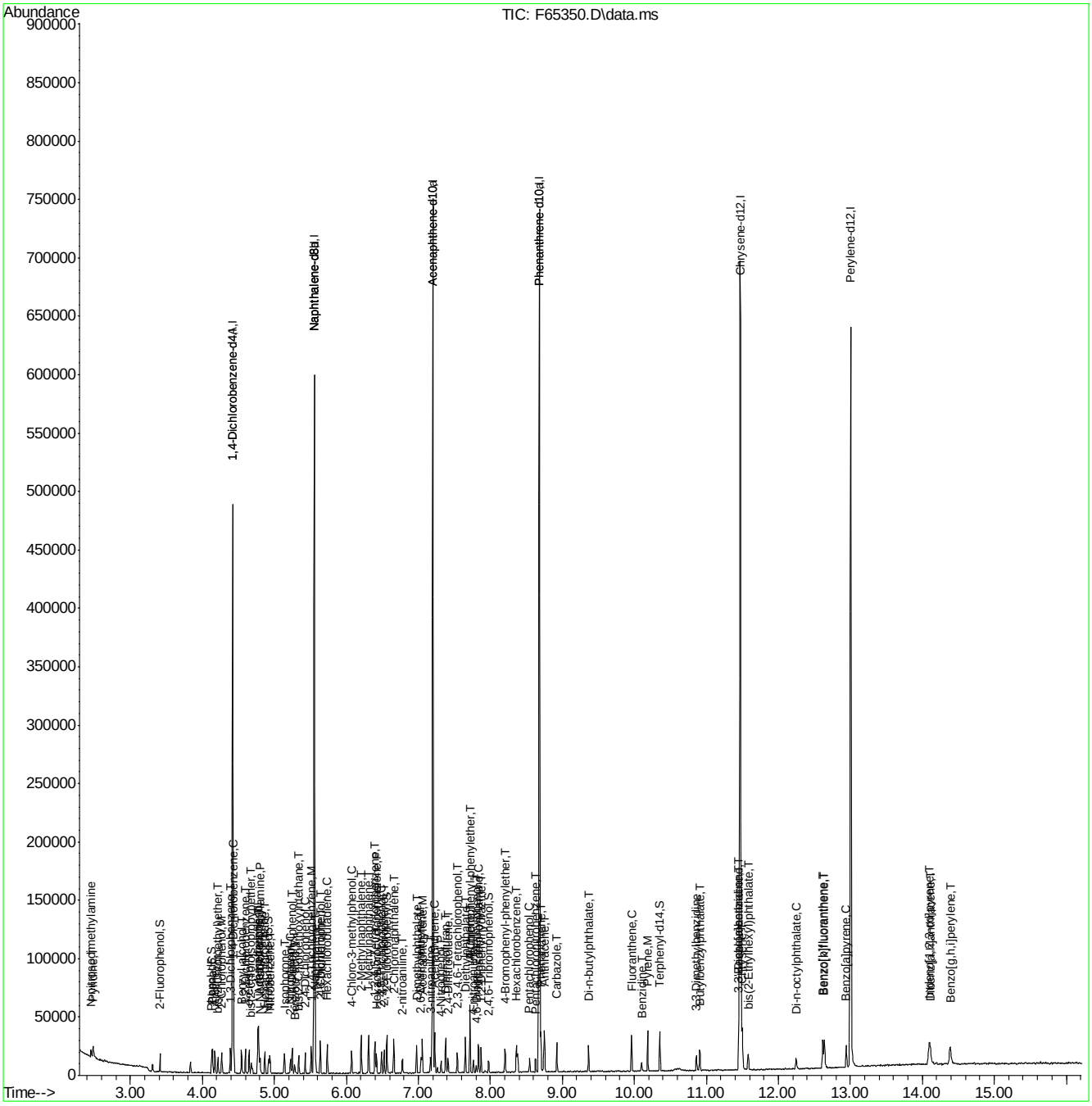
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo[b]fluoranthene	12.616	252	11502	1.67	ppm	98
95) Benzo[k]fluoranthene	12.639	252	13685	1.88	ppm	98
96) Benzo[a]pyrene	12.945	252	9845	1.50	ppm	93
97) Indeno[1,2,3-cd]pyrene	14.096	276	12298	1.56	ppm	87
98) Dibenz[a,h]anthracene	14.108	278	9657	1.52	ppm	95
99) Benzo[g,h,i]perylene	14.390	276	10637	1.59	ppm	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65350.D
Acq On : 1 Jul 2013 4:36 pm
Operator : kristinr
Sample : IC3031-2
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 10 06:59:07 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:12:23 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65351.D
Acq On : 1 Jul 2013 5:00 pm
Operator : kristinr
Sample : IC3031-5
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 10 06:59:17 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:14:15 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.421	152	56712	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.421	152	56712	40.00	PPM		0.00
23) Naphthalene-d8	5.555	136	208770	40.00	ppm		0.00
41) Naphthalene-d8a	5.555	136	208770	40.00	ppm		0.00
43) Acenaphthene-d10	7.200	164	129325	40.00	ppm		0.00
65) Acenaphthene-d10a	7.200	164	129325	40.00	ppm		0.00
67) Phenanthrene-d10	8.680	188	240238	40.00	ppm		0.00
80) Phenanthrene-d10a	8.680	188	240238	40.00	ppm		0.00
82) Chrysene-d12	11.471	240	245286	40.00	ppm		0.00
92) Perylene-d12	13.004	264	229683	40.00	ppm		0.00
100) Naphthalene-d8b	5.555	136	208770	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.411	112	8286	4.97	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 4.97%#				
7) Phenol-d5	4.128	99	10517	4.92	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 4.92%#				
24) Nitrobenzene-d5	4.921	82	9539	4.97	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 9.94%#				
48) 2-Fluorobiphenyl	6.565	172	21881	5.07	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 10.14%#				
71) 2,4,6-Tribromophenol	7.975	330	3474	4.39	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 4.39%#				
85) Terphenyl-d14	10.354	244	25132	4.88	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 9.76%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.453	74	5343	4.81	ug/l		91
3) Pyridine	2.471	79	9552	4.77	ppm		94
4) Aniline	4.175	93	12004	4.70	ppm	#	1
6) bis(2-Chloroethyl)ether	4.216	63	5597	4.82	ppm		91
8) Phenol	4.139	94	10337	4.89	ppm		94
9) 2-Chlorophenol	4.269	128	8328	4.68	ppm		94
10) 1,3-Dichlorobenzene	4.392	146	10205	4.99	ppm		98
11) 1,4-Dichlorobenzene	4.433	146	11267	5.13	ppm		94
12) 1,2-Dichlorobenzene	4.598	146	10040	5.08	ppm		96
13) Benzyl alcohol	4.545	108	5503	4.73	ppm		96
14) bis(2-chloroisopropyl)...	4.680	45	7232	5.00	ppm		93
15) o-cresol	4.650	108	7442m	2.19	ppm		
16) Acetophenone	4.786	105	13007	5.09	ppm		91
17) Hexachloroethane	4.868	117	4016	5.53	ppm		86
18) N-Nitroso-di-n-propyla...	4.803	70	6239	4.87	ppm		97
19) m+p-cresols	4.774	108	16834	9.89	ppm		93
20) 4-methylphenol	4.774	108	16834	9.89	ppm		93
25) Nitrobenzene	4.938	77	9860	5.08	ppm		88
26) Isophorone	5.138	82	15798	4.88	ppm		96
27) 2-Nitrophenol	5.226	139	4676	4.65	ppm		94
28) 2,4-Dimethylphenol	5.250	107	8869	4.72	ppm		93
29) bis(2-Chloroethoxy)met...	5.338	93	9452	4.73	ppm		96

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65351.D
Acq On : 1 Jul 2013 5:00 pm
Operator : kristinr
Sample : IC3031-5
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 10 06:59:17 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:14:15 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.291	105	4815	3.31	ppm		89
31) 2,4-Dichlorophenol	5.432	162	7896	4.76	ppm		97
32) 1,2,4-Trichlorobenzene	5.514	180	9201	4.91	ppm		98
33) Naphthalene	5.573	128	25634	5.08	ppm		97
34) 2,6-Dichlorophenol	5.643	162	7831	4.83	ppm		98
35) 4-Chloroaniline	5.637	127	10686	4.80	ppm		100
36) Hexachlorobutadiene	5.737	225	5914	4.78	ppm		94
37) 4-Chloro-3-methylphenol	6.072	107	7632	4.70	ppm		94
38) 2-Methylnaphthalene	6.207	142	18052	5.10	ppm		100
39) 1-Methylnaphthalene	6.307	142	17126	4.93	ppm		94
40) 1,2,4,5-Tetrachloroben...	6.401	216	10887	5.05	ppm		97
44) Pentachloronitrobenzene	8.627	237	2521	4.35	ppm		97
45) Hexachlorocyclopentadiene	6.419	237	5922	4.20	ppm		99
46) 2,4,6-Trichlorophenol	6.489	196	6306	4.77	ppm		98
47) 2,4,5-Trichlorophenol	6.524	196	6884	4.78	ppm		94
49) 2-Chloronaphthalene	6.659	162	17428	5.09	ppm		96
50) Acenaphthylene	7.053	152	27084	4.93	ppm		98
51) Dimethylphthalate	6.977	163	20609	5.05	ppm		99
52) 2,4-Dinitrotoluene	7.411	165	5243	4.27	ppm		97
53) Acenaphthene	7.229	153	17316	4.96	ppm		96
54) 2,4-Dinitrophenol	7.265	184	1935	2.97	ppm		99
55) Dibenzofuran	7.382	168	26315	5.00	ppm		98
56) 2,6-Dinitrotoluene	7.035	165	4095	4.30	ppm		78
57) 4-Nitrophenol	7.317	65	3527	4.70	ppm		81
58) 2,3,4,6-Tetrachlorophenol	7.541	232	5730	4.47	ppm		99
59) Fluorene	7.717	166	19988	4.96	ppm		99
60) 4-Chlorophenyl-phenyle...	7.717	204	11338	5.08	ppm		96
61) Diethylphthalate	7.652	149	20874	4.98	ppm		98
62) 2-nitroaniline	6.783	138	4985	4.32	ppm		98
63) 3-nitroaniline	7.171	138	4218	4.33	ppm		89
64) 4-nitroaniline	7.764	138	4265	4.35	ppm	#	72
68) 4,6-Dinitro-2-methylph...	7.811	198	2928	3.18	ppm		100
69) n-Nitrosodiphenylamine	7.834	169	14226	4.85	ppm		97
70) 1,2-Diphenylhydrazine	7.870	77	18392	4.85	ppm		98
72) 4-Bromophenyl-phenylether	8.204	248	6974	4.76	ppm		94
73) Hexachlorobenzene	8.363	284	7324	4.93	ppm		91
74) Pentachlorophenol	8.545	266	4381	3.95	ppm		96
75) Phenanthrene	8.704	178	30123	4.86	ppm		99
76) Anthracene	8.751	178	30861	4.90	ppm		99
77) Carbazole	8.927	167	27193	4.99	ppm		98
78) Di-n-butylphthalate	9.368	149	30947	4.54	ppm		98
79) Fluoranthene	9.967	202	31681	5.06	ppm		95
83) Benzidine	10.102	184	10692	4.19	ppm		97
84) Pyrene	10.184	202	32808	5.04	ppm		98
86) 3,3-Dimethylbenzidine	10.866	212	15892	4.32	ppm		100
87) Butylbenzylphthalate	10.907	149	11123	4.38	ppm		97
88) 3,3'-Dichlorobenzidine	11.447	252	10379	3.90	ppm		100
89) Benzo[a]anthracene	11.453	228	30372	4.87	ppm		95
90) Chrysene	11.500	228	30947	5.11	ppm		99
91) bis(2-Ethylhexyl)phtha...	11.582	149	13444	3.64	ppm		95

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65351.D
Acq On : 1 Jul 2013 5:00 pm
Operator : kristinr
Sample : IC3031-5
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 10 06:59:17 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:14:15 2013
Response via : Initial Calibration

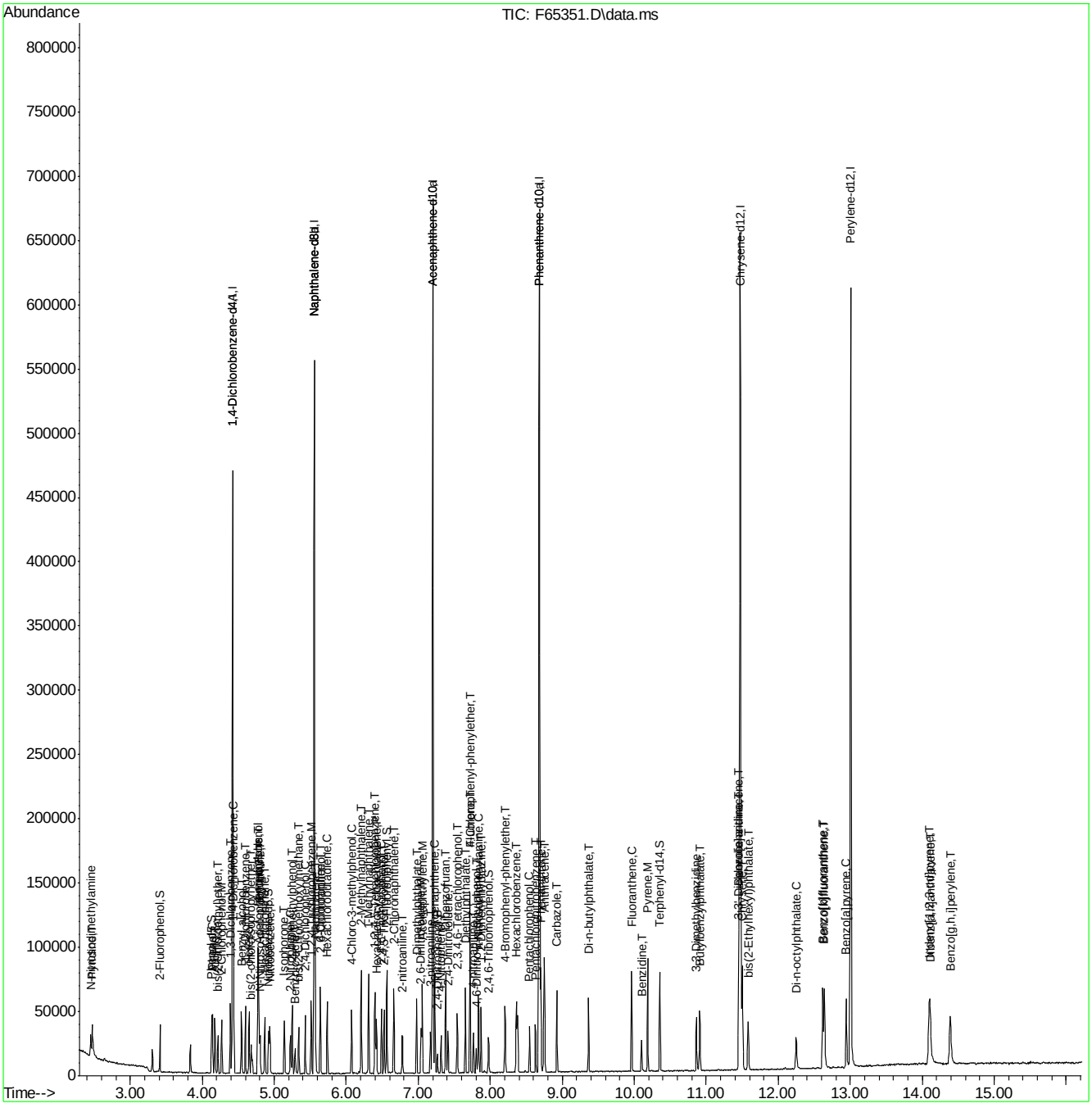
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.246	149	17928	3.10	ppm	97
94) Benzo[b]fluoranthene	12.616	252	27049	4.60	ppm	98
95) Benzo[k]fluoranthene	12.640	252	32758	4.98	ppm	98
96) Benzo[a]pyrene	12.945	252	26373	4.94	ppm	95
97) Indeno[1,2,3-cd]pyrene	14.096	276	30619	4.68	ppm	90
98) Dibenz[a,h]anthracene	14.108	278	23571	4.52	ppm	97
99) Benzo[g,h,i]perylene	14.390	276	26952	4.82	ppm	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65351.D
Acq On : 1 Jul 2013 5:00 pm
Operator : kristinr
Sample : IC3031-5
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 10 06:59:17 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:14:15 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65352.D
Acq On : 1 Jul 2013 5:24 pm
Operator : kristinr
Sample : IC3031-10
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 10 06:59:38 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:17:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.422	152	62173	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.422	152	62173	40.00	PPM		0.00
23) Naphthalene-d8	5.556	136	228985	40.00	ppm		0.00
41) Naphthalene-d8a	5.556	136	228985	40.00	ppm		0.00
43) Acenaphthene-d10	7.201	164	142777	40.00	ppm		0.00
65) Acenaphthene-d10a	7.201	164	142777	40.00	ppm		0.00
67) Phenanthrene-d10	8.681	188	256450	40.00	ppm		0.00
80) Phenanthrene-d10a	8.681	188	256450	40.00	ppm		0.00
82) Chrysene-d12	11.472	240	264343	40.00	ppm		0.00
92) Perylene-d12	13.005	264	240886	40.00	ppm		0.00
100) Naphthalene-d8b	5.556	136	228985	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.412	112	17886	9.81	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 9.81%#				
7) Phenol-d5	4.129	99	22134	9.50	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 9.50%#				
24) Nitrobenzene-d5	4.922	82	20774	9.88	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 19.76%#				
48) 2-Fluorobiphenyl	6.567	172	47300	9.88	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 19.76%#				
71) 2,4,6-Tribromophenol	7.982	330	7627	9.62	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 9.62%#				
85) Terphenyl-d14	10.356	244	55638	10.11	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 20.22%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.449	74	11826	9.90	ug/l		93
3) Pyridine	2.466	79	21580	10.06	ppm		92
4) Aniline	4.176	93	27468	10.01	ppm	#	1
6) bis(2-Chloroethyl)ether	4.217	63	12436	9.88	ppm		91
8) Phenol	4.140	94	23006	10.00	ppm		97
9) 2-Chlorophenol	4.270	128	19051	9.97	ppm		99
10) 1,3-Dichlorobenzene	4.393	146	22722	10.14	ppm		97
11) 1,4-Dichlorobenzene	4.434	146	23550	9.70	ppm		96
12) 1,2-Dichlorobenzene	4.599	146	20793	9.54	ppm		99
13) Benzyl alcohol	4.546	108	12054	9.71	ppm		94
14) bis(2-chloroisopropyl)...	4.681	45	15391	9.71	ppm		96
15) o-cresol	4.651	108	16539m	4.45	ppm		
16) Acetophenone	4.787	105	27432	9.73	ppm		97
17) Hexachloroethane	4.869	117	8333	10.11	ppm		75
18) N-Nitroso-di-n-propyla...	4.798	70	13332	9.58	ppm		94
19) m+p-cresols	4.775	108	36879	19.83	ppm		94
20) 4-methylphenol	4.775	108	36879	19.83	ppm		94
25) Nitrobenzene	4.939	77	21250	9.93	ppm		94
26) Isophorone	5.139	82	35275	10.02	ppm		97
27) 2-Nitrophenol	5.227	139	10181	9.57	ppm		96
28) 2,4-Dimethylphenol	5.251	107	19919	9.94	ppm		92
29) bis(2-Chloroethoxy)met...	5.339	93	20310	9.52	ppm		99

ACCUTEST LABORATORIES MC23272

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65352.D
Acq On : 1 Jul 2013 5:24 pm
Operator : kristinr
Sample : IC3031-10
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 10 06:59:38 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:17:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.304	105	12430	7.78	ppm	92
31) 2,4-Dichlorophenol	5.433	162	16870	9.50	ppm	96
32) 1,2,4-Trichlorobenzene	5.515	180	19844	9.71	ppm	98
33) Naphthalene	5.574	128	56656	10.19	ppm	97
34) 2,6-Dichlorophenol	5.644	162	17316	9.90	ppm	100
35) 4-Chloroaniline	5.633	127	23785	9.94	ppm	100
36) Hexachlorobutadiene	5.738	225	12872	9.62	ppm	97
37) 4-Chloro-3-methylphenol	6.073	107	16916	9.79	ppm	93
38) 2-Methylnaphthalene	6.208	142	38464	9.84	ppm	99
39) 1-Methylnaphthalene	6.308	142	37841	9.97	ppm	95
40) 1,2,4,5-Tetrachloroben...	6.402	216	24048	10.14	ppm	100
44) Pentachloronitrobenzene	8.628	237	6061	9.47	ppm	96
45) Hexachlorocyclopentadiene	6.420	237	13570	9.47	ppm	96
46) 2,4,6-Trichlorophenol	6.490	196	13915	9.76	ppm	95
47) 2,4,5-Trichlorophenol	6.525	196	14530	9.35	ppm	96
49) 2-Chloronaphthalene	6.661	162	37676	9.91	ppm	95
50) Acenaphthylene	7.054	152	60323	9.99	ppm	98
51) Dimethylphthalate	6.978	163	44698	9.89	ppm	99
52) 2,4-Dinitrotoluene	7.412	165	12106	9.64	ppm	98
53) Acenaphthene	7.230	153	37771	9.82	ppm	95
54) 2,4-Dinitrophenol	7.266	184	5082	7.07	ppm	97
55) Dibenzofuran	7.383	168	57681	9.93	ppm	99
56) 2,6-Dinitrotoluene	7.037	165	9454	9.67	ppm	78
57) 4-Nitrophenol	7.318	65	7682	9.26	ppm	86
58) 2,3,4,6-Tetrachlorophenol	7.542	232	13144	9.81	ppm	97
59) Fluorene	7.718	166	43523	9.81	ppm	96
60) 4-Chlorophenyl-phenyle...	7.718	204	23944	9.67	ppm	96
61) Diethylphthalate	7.653	149	43636	9.45	ppm	98
62) 2-nitroaniline	6.784	138	11493	9.68	ppm	97
63) 3-nitroaniline	7.172	138	9528	8.86	ppm	88
64) 4-nitroaniline	7.771	138	9740	9.01	ppm	94
68) 4,6-Dinitro-2-methylph...	7.812	198	7339	7.46	ppm	100
69) n-Nitrosodiphenylamine	7.835	169	31880	10.28	ppm	97
70) 1,2-Diphenylhydrazine	7.871	77	41057	10.25	ppm	97
72) 4-Bromophenyl-phenylether	8.206	248	15381	9.99	ppm	96
73) Hexachlorobenzene	8.364	284	15928	10.10	ppm	93
74) Pentachlorophenol	8.546	266	10182	8.61	ppm	97
75) Phenanthrene	8.705	178	66366	10.12	ppm	99
76) Anthracene	8.752	178	67812	10.15	ppm	99
77) Carbazole	8.928	167	59139	10.17	ppm	97
78) Di-n-butylphthalate	9.363	149	67332	9.70	ppm	98
79) Fluoranthene	9.968	202	68737	10.24	ppm	95
83) Benzidine	10.097	184	24632	9.75	ppm	96
84) Pyrene	10.185	202	72622	10.32	ppm	99
86) 3,3-Dimethylbenzidine	10.867	212	36859	9.97	ppm	100
87) Butylbenzylphthalate	10.908	149	24976	9.72	ppm	95
88) 3,3'-Dichlorobenzidine	11.448	252	24668	9.66	ppm	99
89) Benzo[a]anthracene	11.454	228	66924	10.05	ppm	98
90) Chrysene	11.501	228	65543	9.97	ppm	98
91) bis(2-Ethylhexyl)phtha...	11.577	149	32971	9.58	ppm	99

ACCUTEST LABORATORIES MC23272

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65352.D
Acq On : 1 Jul 2013 5:24 pm
Operator : kristinr
Sample : IC3031-10
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 10 06:59:38 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:17:24 2013
Response via : Initial Calibration

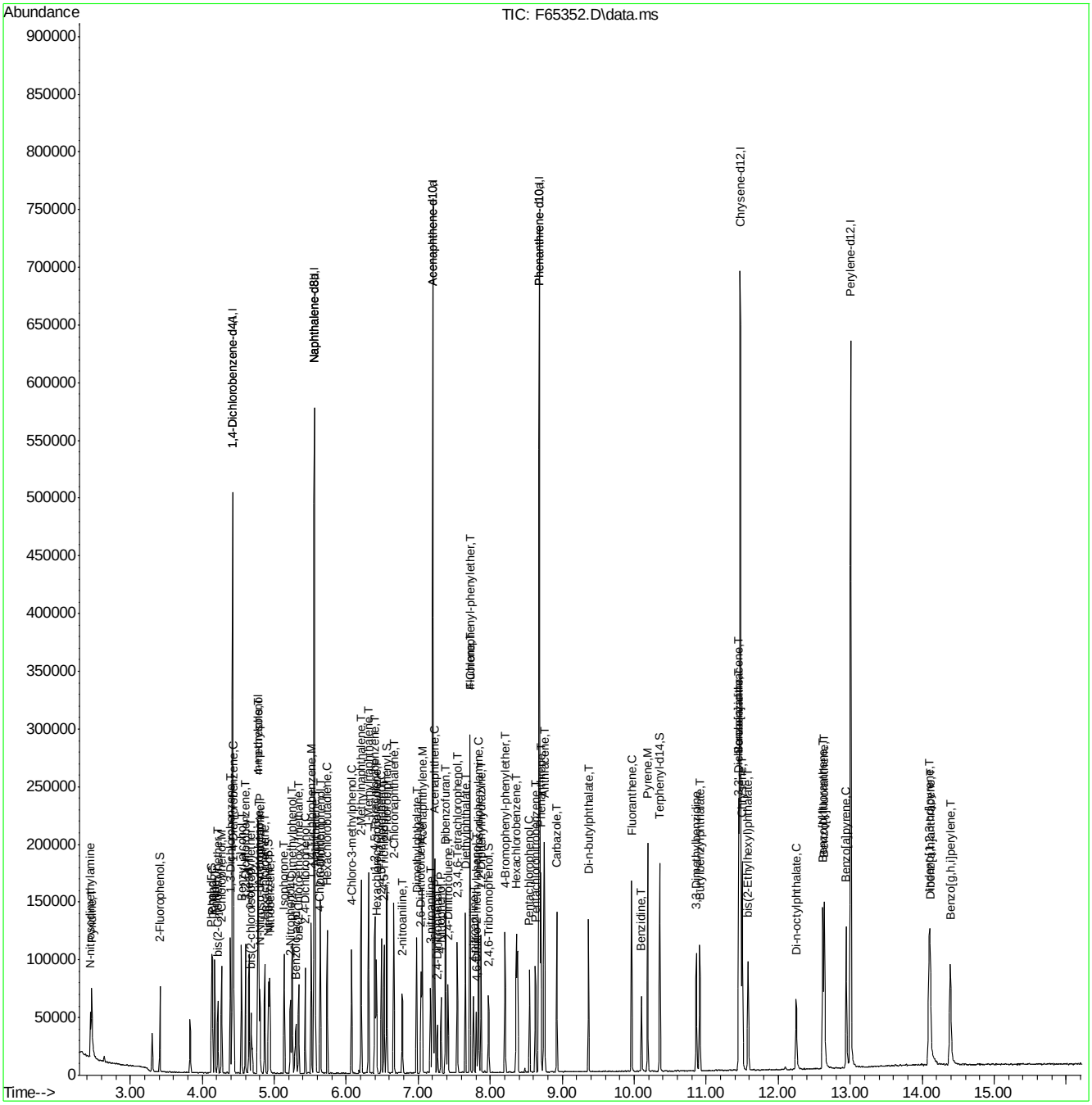
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.247	149	43994	8.95	ppm	100
94) Benzo[b]fluoranthene	12.617	252	60386	10.06	ppm	98
95) Benzo[k]fluoranthene	12.641	252	71204	10.34	ppm	99
96) Benzo[a]pyrene	12.946	252	56417	10.11	ppm	96
97) Indeno[1,2,3-cd]pyrene	14.098	276	68847	10.25	ppm	87
98) Dibenz[a,h]anthracene	14.109	278	54576	10.31	ppm	98
99) Benzo[g,h,i]perylene	14.391	276	59333	10.24	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65352.D
Acq On : 1 Jul 2013 5:24 pm
Operator : kristinr
Sample : IC3031-10
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 10 06:59:38 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:17:24 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65353.D
Acq On : 1 Jul 2013 5:48 pm
Operator : kristinr
Sample : IC3031-20
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 10 07:00:02 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:31:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.424	152	53472	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.424	152	53472	40.00	PPM		0.00
23) Naphthalene-d8	5.552	136	194359	40.00	ppm		0.00
41) Naphthalene-d8a	5.552	136	194359	40.00	ppm		0.00
43) Acenaphthene-d10	7.203	164	123125	40.00	ppm		0.00
65) Acenaphthene-d10a	7.203	164	123125	40.00	ppm		0.00
67) Phenanthrene-d10	8.677	188	224146	40.00	ppm		0.00
80) Phenanthrene-d10a	8.677	188	224146	40.00	ppm		0.00
82) Chrysene-d12	11.473	240	229502	40.00	ppm		0.00
92) Perylene-d12	13.007	264	212675	40.00	ppm		0.00
100) Naphthalene-d8b	5.552	136	194359	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.408	112	31114	19.94	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 19.94%#				
7) Phenol-d5	4.130	99	40325	20.37	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 20.37%#				
24) Nitrobenzene-d5	4.923	82	36690	20.62	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 41.24%				
48) 2-Fluorobiphenyl	6.562	172	83299	20.24	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 40.48%				
71) 2,4,6-Tribromophenol	7.978	330	13835	20.22	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 20.22%#				
85) Terphenyl-d14	10.357	244	100471	20.96	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 41.92%				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.450	74	21214	20.72	ug/l		96
3) Pyridine	2.462	79	37770	20.43	ppm		95
4) Aniline	4.177	93	47710	20.20	ppm	#	1
6) bis(2-Chloroethyl)ether	4.213	63	21534	19.95	ppm		85
8) Phenol	4.142	94	41075	20.75	ppm		97
9) 2-Chlorophenol	4.271	128	33424	20.36	ppm		99
10) 1,3-Dichlorobenzene	4.395	146	38812	20.06	ppm		98
11) 1,4-Dichlorobenzene	4.436	146	41477	20.01	ppm		96
12) 1,2-Dichlorobenzene	4.600	146	37469	20.22	ppm		99
13) Benzyl alcohol	4.547	108	21813	20.63	ppm		97
14) bis(2-chloroisopropyl)...	4.682	45	27113	20.03	ppm		97
15) o-cresol	4.647	108	29757m	9.32	ppm		
16) Acetophenone	4.782	105	47572	19.76	ppm		92
17) Hexachloroethane	4.865	117	14870	20.91	ppm		93
18) N-Nitroso-di-n-propyla...	4.800	70	24337	20.55	ppm		95
19) m+p-cresols	4.776	108	64031	40.12	ppm		95
20) 4-methylphenol	4.776	108	64031	40.12	ppm		95
25) Nitrobenzene	4.941	77	37369	20.61	ppm		97
26) Isophorone	5.141	82	61893	20.70	ppm		98
27) 2-Nitrophenol	5.223	139	18485	20.77	ppm		89
28) 2,4-Dimethylphenol	5.246	107	35335	20.82	ppm		88
29) bis(2-Chloroethoxy)met...	5.340	93	36031	20.23	ppm		99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65353.D
Acq On : 1 Jul 2013 5:48 pm
Operator : kristinr
Sample : IC3031-20
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 10 07:00:02 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:31:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.311	105	24193	20.07	ppm	94
31) 2,4-Dichlorophenol	5.429	162	30316	20.46	ppm	96
32) 1,2,4-Trichlorobenzene	5.517	180	35389	20.56	ppm	98
33) Naphthalene	5.570	128	99464	20.97	ppm	97
34) 2,6-Dichlorophenol	5.646	162	30553	20.65	ppm	98
35) 4-Chloroaniline	5.634	127	41654	20.55	ppm	100
36) Hexachlorobutadiene	5.740	225	22941	20.40	ppm	100
37) 4-Chloro-3-methylphenol	6.075	107	30013	20.61	ppm	98
38) 2-Methylnaphthalene	6.210	142	67515	20.43	ppm	95
39) 1-Methylnaphthalene	6.310	142	65942	20.49	ppm	96
40) 1,2,4,5-Tetrachloroben...	6.398	216	41287	20.44	ppm	99
44) Pentachloronitrobenzene	8.630	237	10857	20.20	ppm	95
45) Hexachlorocyclopentadiene	6.421	237	25001	20.60	ppm	98
46) 2,4,6-Trichlorophenol	6.492	196	25827	21.17	ppm	99
47) 2,4,5-Trichlorophenol	6.527	196	27046	20.63	ppm	99
49) 2-Chloronaphthalene	6.662	162	67821	20.73	ppm	97
50) Acenaphthylene	7.056	152	106515	20.46	ppm	99
51) Dimethylphthalate	6.973	163	79221	20.38	ppm	99
52) 2,4-Dinitrotoluene	7.414	165	22688	21.20	ppm	97
53) Acenaphthene	7.232	153	68825	20.84	ppm	98
54) 2,4-Dinitrophenol	7.267	184	10289	16.59	ppm	96
55) Dibenzofuran	7.385	168	101880	20.38	ppm	98
56) 2,6-Dinitrotoluene	7.038	165	17570	21.07	ppm	72
57) 4-Nitrophenol	7.320	65	14439	20.96	ppm	91
58) 2,3,4,6-Tetrachlorophenol	7.543	232	23834	20.76	ppm	100
59) Fluorene	7.720	166	78660	20.66	ppm	98
60) 4-Chlorophenyl-phenyle...	7.714	204	43284	20.44	ppm	93
61) Diethylphthalate	7.655	149	76344	19.43	ppm	99
62) 2-nitroaniline	6.780	138	21264	20.99	ppm	89
63) 3-nitroaniline	7.173	138	18297	20.92	ppm	96
64) 4-nitroaniline	7.767	138	18482	20.85	ppm	81
68) 4,6-Dinitro-2-methylph...	7.808	198	15365	20.47	ppm	100
69) n-Nitrosodiphenylamine	7.837	169	57139	20.93	ppm	97
70) 1,2-Diphenylhydrazine	7.872	77	72490	20.58	ppm	95
72) 4-Bromophenyl-phenylether	8.207	248	26957	20.04	ppm	95
73) Hexachlorobenzene	8.366	284	28419	20.56	ppm	89
74) Pentachlorophenol	8.548	266	19044	19.80	ppm	98
75) Phenanthrene	8.706	178	118288	20.58	ppm	99
76) Anthracene	8.753	178	122953	20.98	ppm	99
77) Carbazole	8.924	167	107571	21.07	ppm	98
78) Di-n-butylphthalate	9.364	149	122995	20.48	ppm	99
79) Fluoranthene	9.964	202	123764	20.97	ppm	98
83) Benzidine	10.099	184	48017	22.07	ppm	97
84) Pyrene	10.187	202	129810	21.08	ppm	99
86) 3,3-Dimethylbenzidine	10.868	212	69089	21.55	ppm	100
87) Butylbenzylphthalate	10.909	149	47298	21.41	ppm	98
88) 3,3'-Dichlorobenzidine	11.450	252	46745	21.33	ppm	99
89) Benzo[a]anthracene	11.456	228	119775	20.69	ppm	96
90) Chrysene	11.503	228	119941	21.03	ppm	100
91) bis(2-Ethylhexyl)phtha...	11.579	149	62631	21.26	ppm	97

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65353.D
Acq On : 1 Jul 2013 5:48 pm
Operator : kristinr
Sample : IC3031-20
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 10 07:00:02 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:31:37 2013
Response via : Initial Calibration

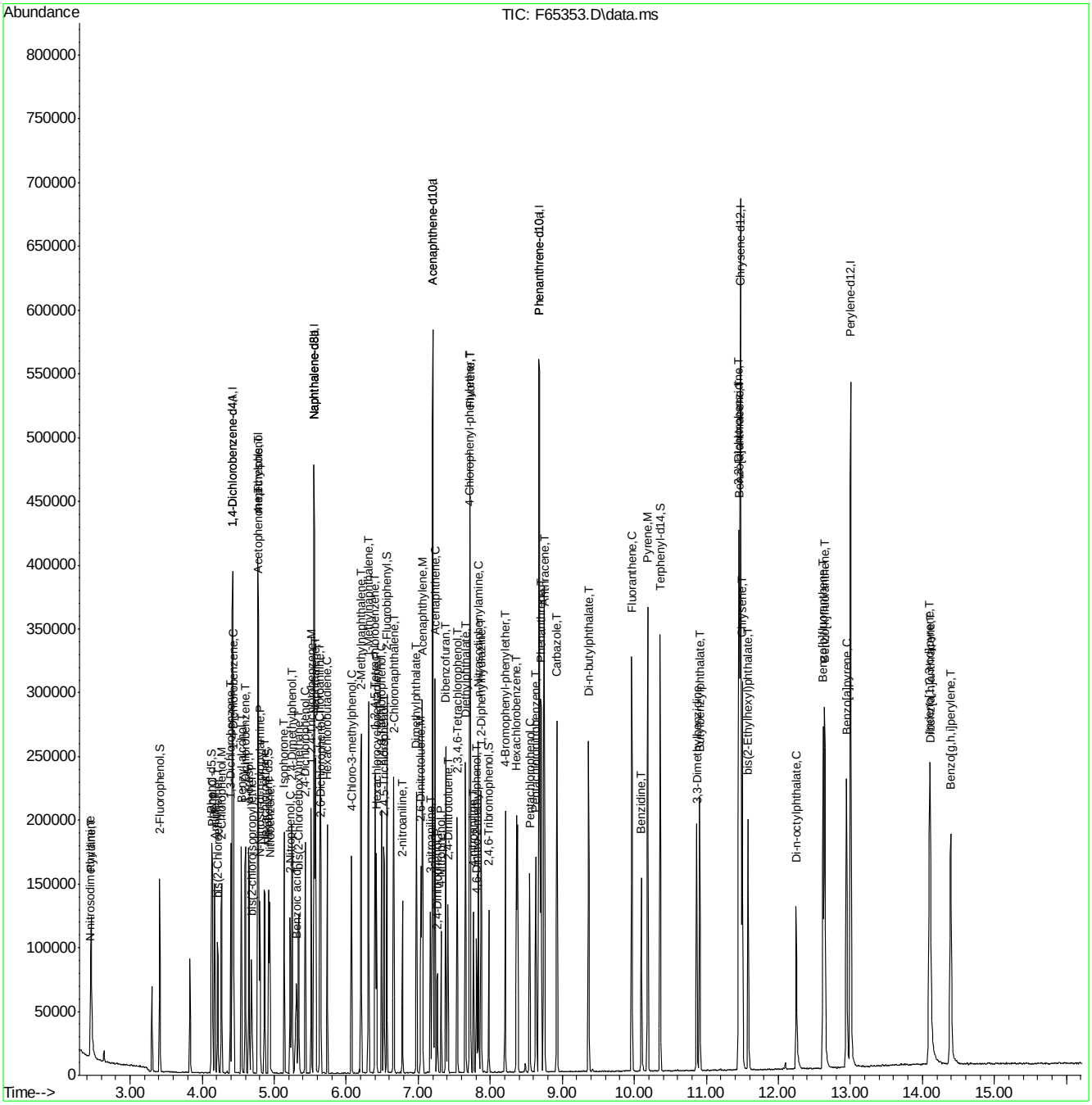
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.249	149	88090	21.03	ppm	98
94) Benzo[b]fluoranthene	12.619	252	116402	21.93	ppm	98
95) Benzo[k]fluoranthene	12.642	252	132465	21.60	ppm	97
96) Benzo[a]pyrene	12.948	252	114478	23.18	ppm	96
97) Indeno[1,2,3-cd]pyrene	14.099	276	133022	22.29	ppm	85
98) Dibenz[a,h]anthracene	14.111	278	107342	22.80	ppm	98
99) Benzo[g,h,i]perylene	14.393	276	115710	22.49	ppm	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65353.D
Acq On : 1 Jul 2013 5:48 pm
Operator : kristinr
Sample : IC3031-20
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 10 07:00:02 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:31:37 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65354.D
Acq On : 1 Jul 2013 6:12 pm
Operator : kristinr
Sample : IC3031-80
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 10 07:00:24 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:34:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.420	152	58307	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.420	152	58307	40.00	PPM	0.00
23) Naphthalene-d8	5.554	136	215255	40.00	ppm	0.00
41) Naphthalene-d8a	5.554	136	215255	40.00	ppm	0.00
43) Acenaphthene-d10	7.204	164	130299	40.00	ppm	0.00
65) Acenaphthene-d10a	7.204	164	130299	40.00	ppm	0.00
67) Phenanthrene-d10	8.685	188	237464	40.00	ppm	0.00
80) Phenanthrene-d10a	8.685	188	237464	40.00	ppm	0.00
82) Chrysene-d12	11.475	240	245359	40.00	ppm	0.00
92) Perylene-d12	13.008	264	230879	40.00	ppm	0.00
100) Naphthalene-d8b	5.554	136	216227m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.410	112	133550	78.54	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 78.54%			
7) Phenol-d5	4.138	99	170258	78.59	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 78.59%			
24) Nitrobenzene-d5	4.925	82	161374	81.39	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 162.78%#			
48) 2-Fluorobiphenyl	6.564	172	349857	80.15	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 160.30%#			
71) 2,4,6-Tribromophenol	7.980	330	61721	84.92	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 84.92%			
85) Terphenyl-d14	10.359	244	415631	80.35	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 160.70%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.446	74	88670	78.72	ug/l	93
3) Pyridine	2.458	79	160955	79.41	ppm	90
4) Aniline	4.179	93	200226	77.60	ppm #	1
6) bis(2-Chloroethyl)ether	4.220	63	93203	79.24	ppm	93
8) Phenol	4.144	94	172540	79.35	ppm	95
9) 2-Chlorophenol	4.273	128	142841	79.50	ppm	100
10) 1,3-Dichlorobenzene	4.396	146	166216	78.75	ppm	99
11) 1,4-Dichlorobenzene	4.438	146	176375	78.02	ppm	97
12) 1,2-Dichlorobenzene	4.596	146	159920	78.98	ppm	98
13) Benzyl alcohol	4.549	108	93910	80.82	ppm	93
14) bis(2-chloroisopropyl)...	4.684	45	113484	76.86	ppm	97
15) o-cresol	4.655	108	126181m	36.23	ppm	
16) Acetophenone	4.790	105	209111	79.84	ppm	98
17) Hexachloroethane	4.866	117	62679	80.11	ppm	86
18) N-Nitroso-di-n-propyla...	4.808	70	104609	80.55	ppm	96
19) m+p-cresols	4.784	108	278325	159.84	ppm	95
20) 4-methylphenol	4.784	108	278325	159.84	ppm	95
25) Nitrobenzene	4.943	77	158214	78.30	ppm	93
26) Isophorone	5.143	82	268977	80.66	ppm	98
27) 2-Nitrophenol	5.225	139	82224	82.62	ppm	90
28) 2,4-Dimethylphenol	5.254	107	151942	80.00	ppm	95
29) bis(2-Chloroethoxy)met...	5.342	93	159153	80.45	ppm	100

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65354.D
Acq On : 1 Jul 2013 6:12 pm
Operator : kristinr
Sample : IC3031-80
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 10 07:00:24 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:34:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.354	105	118927	88.97	ppm		94
31) 2,4-Dichlorophenol	5.436	162	132363	80.19	ppm		99
32) 1,2,4-Trichlorobenzene	5.519	180	149746	78.11	ppm		98
33) Naphthalene	5.577	128	416500	78.53	ppm		97
34) 2,6-Dichlorophenol	5.648	162	131757	79.77	ppm		98
35) 4-Chloroaniline	5.636	127	181664	80.36	ppm		100
36) Hexachlorobutadiene	5.736	225	99310	79.41	ppm		98
37) 4-Chloro-3-methylphenol	6.077	107	133651	82.25	ppm		96
38) 2-Methylnaphthalene	6.206	142	286838	78.04	ppm		98
39) 1-Methylnaphthalene	6.312	142	274678	76.69	ppm		96
40) 1,2,4,5-Tetrachloroben...	6.400	216	176249	78.44	ppm		97
44) Pentachloronitrobenzene	8.638	237	47585	83.39	ppm		97
45) Hexachlorocyclopentadiene	6.423	237	117577	90.87	ppm		99
46) 2,4,6-Trichlorophenol	6.494	196	111068	84.80	ppm		99
47) 2,4,5-Trichlorophenol	6.529	196	117138	83.76	ppm		98
49) 2-Chloronaphthalene	6.664	162	288124	82.61	ppm		97
50) Acenaphthylene	7.058	152	455479	82.28	ppm		98
51) Dimethylphthalate	6.981	163	330579	80.04	ppm		99
52) 2,4-Dinitrotoluene	7.416	165	100242	87.21	ppm		99
53) Acenaphthene	7.234	153	285357	80.98	ppm		98
54) 2,4-Dinitrophenol	7.269	184	54816	91.31	ppm		94
55) Dibenzofuran	7.387	168	430597	81.07	ppm		99
56) 2,6-Dinitrotoluene	7.046	165	77693	86.89	ppm	#	63
57) 4-Nitrophenol	7.322	65	63022	85.09	ppm		86
58) 2,3,4,6-Tetrachlorophenol	7.545	232	104522	85.21	ppm		98
59) Fluorene	7.721	166	337152	83.13	ppm		99
60) 4-Chlorophenyl-phenyle...	7.716	204	186620	82.91	ppm		94
61) Diethylphthalate	7.663	149	317780	76.88	ppm		98
62) 2-nitroaniline	6.787	138	94092	86.69	ppm		98
63) 3-nitroaniline	7.175	138	78943	84.01	ppm		89
64) 4-nitroaniline	7.780	138	79537	83.61	ppm		91
68) 4,6-Dinitro-2-methylph...	7.815	198	73484	91.68	ppm		100
69) n-Nitrosodiphenylamine	7.845	169	240629	82.44	ppm		97
70) 1,2-Diphenylhydrazine	7.874	77	304261	81.05	ppm		97
72) 4-Bromophenyl-phenylether	8.209	248	116619	81.80	ppm		95
73) Hexachlorobenzene	8.368	284	122082	82.90	ppm		91
74) Pentachlorophenol	8.550	266	88141	86.78	ppm		100
75) Phenanthrene	8.708	178	486954	79.51	ppm		99
76) Anthracene	8.755	178	516553	82.38	ppm		100
77) Carbazole	8.932	167	453738	83.01	ppm		98
78) Di-n-butylphthalate	9.366	149	533337	83.32	ppm		99
79) Fluoranthene	9.971	202	519522	82.28	ppm		97
83) Benzidine	10.101	184	200350	83.97	ppm		96
84) Pyrene	10.189	202	541648	81.41	ppm		96
86) 3,3-Dimethylbenzidine	10.870	212	284702	81.49	ppm		100
87) Butylbenzylphthalate	10.911	149	205811	85.62	ppm		97
88) 3,3'-Dichlorobenzidine	11.452	252	216487	90.88	ppm		99
89) Benzo[a]anthracene	11.458	228	507419	81.44	ppm		97
90) Chrysene	11.505	228	492439	79.93	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.581	149	292469	91.43	ppm		98

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65354.D
Acq On : 1 Jul 2013 6:12 pm
Operator : kristinr
Sample : IC3031-80
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 10 07:00:24 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:34:17 2013
Response via : Initial Calibration

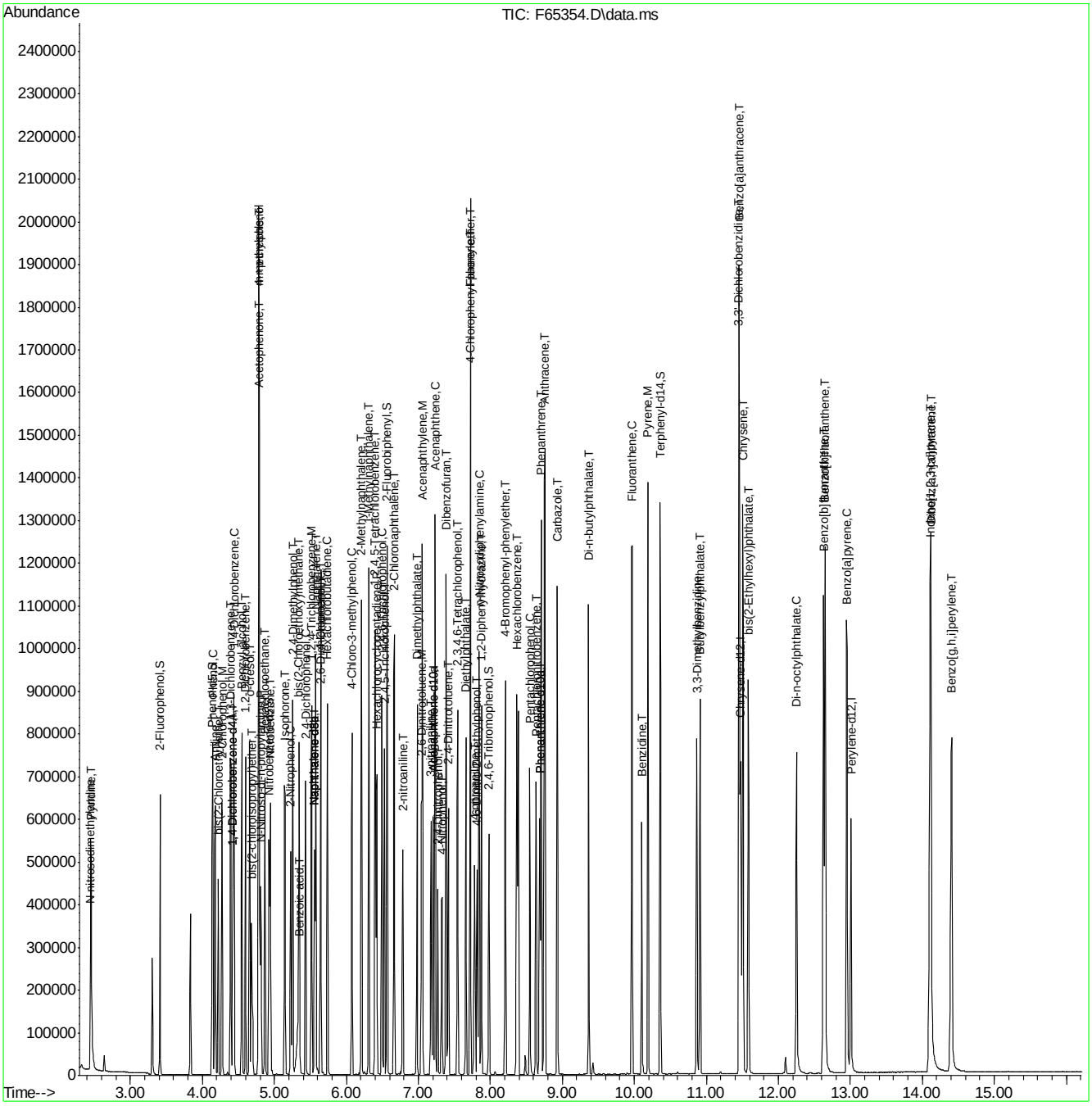
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.251	149	447497	97.16	ppm	100
94) Benzo[b]fluoranthene	12.627	252	529863	90.22	ppm	98
95) Benzo[k]fluoranthene	12.650	252	534636	79.04	ppm	98
96) Benzo[a]pyrene	12.956	252	494513	89.38	ppm	95
97) Indeno[1,2,3-cd]pyrene	14.107	276	618045	93.27	ppm	89
98) Dibenz[a,h]anthracene	14.119	278	496330	94.45	ppm	99
99) Benzo[g,h,i]perylene	14.406	276	514044	89.80	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65354.D
Acq On : 1 Jul 2013 6:12 pm
Operator : kristinr
Sample : IC3031-80
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 10 07:00:24 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:34:17 2013
Response via : Initial Calibration



F65355.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65355.D
Acq On : 1 Jul 2013 6:36 pm
Operator : kristinr
Sample : IC3031-120
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 10 07:00:53 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:35:40 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.420	152	59845	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.420	152	59845	40.00	PPM		0.00
23) Naphthalene-d8	5.560	136	212721	40.00	ppm		0.00
41) Naphthalene-d8a	5.560	136	212721	40.00	ppm		0.00
43) Acenaphthene-d10	7.205	164	130307	40.00	ppm		0.00
65) Acenaphthene-d10a	7.205	164	130307	40.00	ppm		0.00
67) Phenanthrene-d10	8.685	188	226647	40.00	ppm		0.00
80) Phenanthrene-d10a	8.685	188	226647	40.00	ppm		0.00
82) Chrysene-d12	11.481	240	221389	40.00	ppm		0.00
92) Perylene-d12	13.009	264	210724	40.00	ppm		0.00
100) Naphthalene-d8b	5.560	136	212721	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.410	112	209096	120.17	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 120.17%				
7) Phenol-d5	4.138	99	262531	118.42	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 118.42%				
24) Nitrobenzene-d5	4.925	82	246450	125.42	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 250.84%#				
48) 2-Fluorobiphenyl	6.570	172	532269	121.89	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 243.78%#				
71) 2,4,6-Tribromophenol	7.986	330	94204	134.14	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 134.14%#				
85) Terphenyl-d14	10.359	244	592084	126.76	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 253.52%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.446	74	139003	120.62	ug/l		92
3) Pyridine	2.452	79	248653	119.70	ppm		96
4) Aniline	4.179	93	311261	118.13	ppm	#	1
6) bis(2-Chloroethyl)ether	4.221	63	144249	119.68	ppm		91
8) Phenol	4.150	94	270190	121.23	ppm		98
9) 2-Chlorophenol	4.273	128	224779	122.02	ppm		100
10) 1,3-Dichlorobenzene	4.397	146	259358	120.04	ppm		99
11) 1,4-Dichlorobenzene	4.438	146	274237	118.68	ppm		98
12) 1,2-Dichlorobenzene	4.602	146	248182	119.67	ppm		99
13) Benzyl alcohol	4.550	108	145598	121.84	ppm		93
14) bis(2-chloroisopropyl)...	4.685	45	175506	116.57	ppm		97
15) o-cresol	4.655	108	194451m	54.41	ppm		
16) Acetophenone	4.790	105	318263	118.43	ppm		90
17) Hexachloroethane	4.867	117	98049	122.07	ppm		87
18) N-Nitroso-di-n-propyla...	4.814	70	160903	120.57	ppm		95
19) m+p-cresols	4.790	108	432475	242.02	ppm		99
20) 4-methylphenol	4.790	108	432475	242.02	ppm		99
25) Nitrobenzene	4.943	77	245803	123.53	ppm		92
26) Isophorone	5.149	82	403344	122.22	ppm		98
27) 2-Nitrophenol	5.231	139	127281	128.58	ppm		98
28) 2,4-Dimethylphenol	5.254	107	231177	123.17	ppm		94
29) bis(2-Chloroethoxy)met...	5.343	93	241531	123.40	ppm		99

ACCUTEST LABORATORIES MC23272

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65355.D
Acq On : 1 Jul 2013 6:36 pm
Operator : kristinr
Sample : IC3031-120
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 10 07:00:53 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:35:40 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.366	105	183901	135.42	ppm	94
31) 2,4-Dichlorophenol	5.437	162	202497	124.08	ppm	98
32) 1,2,4-Trichlorobenzene	5.519	180	235455	124.77	ppm	98
33) Naphthalene	5.578	128	634658	121.46	ppm	97
34) 2,6-Dichlorophenol	5.648	162	202555	124.17	ppm	99
35) 4-Chloroaniline	5.642	127	277580	124.14	ppm	100
36) Hexachlorobutadiene	5.742	225	152513	123.55	ppm	97
37) 4-Chloro-3-methylphenol	6.077	107	199914	123.79	ppm	95
38) 2-Methylnaphthalene	6.212	142	440286	121.71	ppm	98
39) 1-Methylnaphthalene	6.312	142	428325	121.85	ppm	97
40) 1,2,4,5-Tetrachloroben...	6.406	216	266273	120.30	ppm	100
44) Pentachloronitrobenzene	8.638	237	70460	122.17	ppm	97
45) Hexachlorocyclopentadiene	6.423	237	183841	138.31	ppm	99
46) 2,4,6-Trichlorophenol	6.494	196	166730	125.78	ppm	99
47) 2,4,5-Trichlorophenol	6.529	196	177178	125.51	ppm	98
49) 2-Chloronaphthalene	6.664	162	431309	122.99	ppm	97
50) Acenaphthylene	7.058	152	682414	122.69	ppm	98
51) Dimethylphthalate	6.981	163	501693	121.46	ppm	100
52) 2,4-Dinitrotoluene	7.422	165	147586	126.12	ppm	91
53) Acenaphthene	7.234	153	428250	121.28	ppm	98
54) 2,4-Dinitrophenol	7.269	184	84398	134.25	ppm	92
55) Dibenzofuran	7.387	168	631725	118.67	ppm	99
56) 2,6-Dinitrotoluene	7.046	165	118195	129.94	ppm	69
57) 4-Nitrophenol	7.328	65	92901	123.46	ppm	89
58) 2,3,4,6-Tetrachlorophenol	7.545	232	157993	127.13	ppm	99
59) Fluorene	7.728	166	497126	121.78	ppm	99
60) 4-Chlorophenyl-phenyle...	7.722	204	276047	121.90	ppm	99
61) Diethylphthalate	7.663	149	471338	114.76	ppm	99
62) 2-nitroaniline	6.788	138	140961	127.73	ppm	95
63) 3-nitroaniline	7.181	138	116810	122.76	ppm	95
64) 4-nitroaniline	7.786	138	114629	119.15	ppm	89
68) 4,6-Dinitro-2-methylph...	7.822	198	109676	138.31	ppm	100
69) n-Nitrosodiphenylamine	7.845	169	360363	128.70	ppm	97
70) 1,2-Diphenylhydrazine	7.880	77	447512	124.63	ppm	99
72) 4-Bromophenyl-phenylether	8.209	248	172649	126.41	ppm	94
73) Hexachlorobenzene	8.368	284	180268	127.49	ppm	92
74) Pentachlorophenol	8.550	266	129084	130.39	ppm	96
75) Phenanthrene	8.709	178	701593	120.15	ppm	99
76) Anthracene	8.761	178	755636	125.64	ppm	100
77) Carbazole	8.932	167	651999	124.19	ppm	98
78) Di-n-butylphthalate	9.367	149	770283	125.04	ppm	99
79) Fluoranthene	9.972	202	743397	122.77	ppm	100
83) Benzidine	10.101	184	277894	127.81	ppm	97
84) Pyrene	10.195	202	762177	126.58	ppm	100
86) 3,3-Dimethylbenzidine	10.870	212	397023	125.48	ppm	100
87) Butylbenzylphthalate	10.911	149	292985	133.21	ppm	95
88) 3,3'-Dichlorobenzidine	11.458	252	300906	136.29	ppm	97
89) Benzo[a]anthracene	11.464	228	710527	126.00	ppm	98
90) Chrysene	11.511	228	672927	121.08	ppm	98
91) bis(2-Ethylhexyl)phtha...	11.581	149	414540	139.64	ppm	99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65355.D
Acq On : 1 Jul 2013 6:36 pm
Operator : kristinr
Sample : IC3031-120
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 10 07:00:53 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:35:40 2013
Response via : Initial Calibration

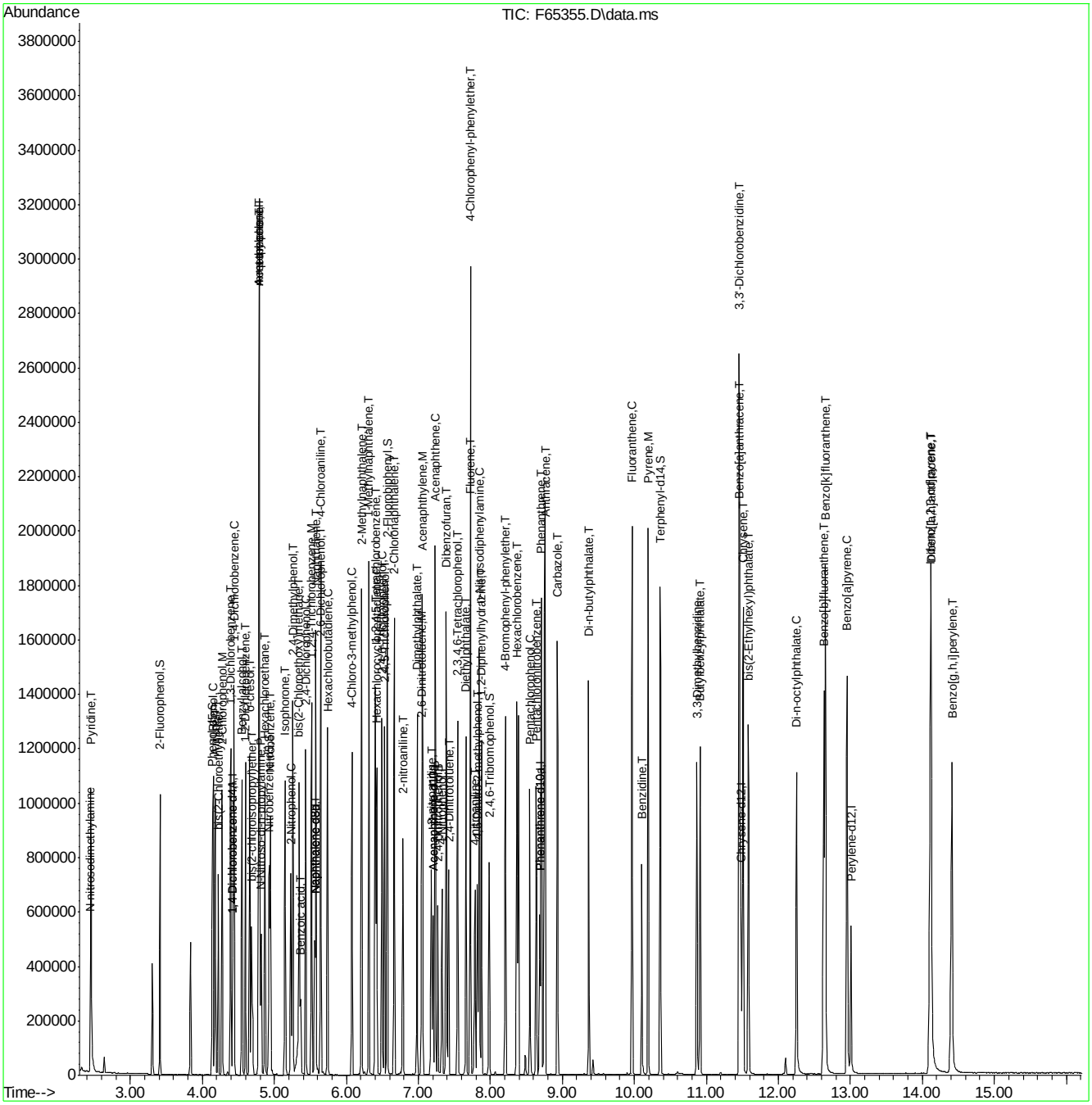
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.251	149	649008	148.04	ppm	99
94) Benzo[b]fluoranthene	12.633	252	798606	145.88	ppm	97
95) Benzo[k]fluoranthene	12.656	252	689168	111.86	ppm	98
96) Benzo[a]pyrene	12.956	252	688227	133.68	ppm	96
97) Indeno[1,2,3-cd]pyrene	14.113	276	918700	147.81	ppm	89
98) Dibenz[a,h]anthracene	14.125	278	732239	148.21	ppm	98
99) Benzo[g,h,i]perylene	14.413	276	762354	143.00	ppm	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65355.D
Acq On : 1 Jul 2013 6:36 pm
Operator : kristinr
Sample : IC3031-120
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 10 07:00:53 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:35:40 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65356.D
Acq On : 1 Jul 2013 7:00 pm
Operator : kristinr
Sample : IC3031-160
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 07:01:15 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:36:46 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.426	152	54533	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.426	152	54533	40.00	PPM		0.00
23) Naphthalene-d8	5.560	136	199229	40.00	ppm		0.00
41) Naphthalene-d8a	5.560	136	199229	40.00	ppm		0.00
43) Acenaphthene-d10	7.204	164	122276	40.00	ppm		0.00
65) Acenaphthene-d10a	7.204	164	122276	40.00	ppm		0.00
67) Phenanthrene-d10	8.685	188	219201	40.00	ppm		0.00
80) Phenanthrene-d10a	8.685	188	219201	40.00	ppm		0.00
82) Chrysene-d12	11.481	240	226011	40.00	ppm		0.00
92) Perylene-d12	13.008	264	220844	40.00	ppm		0.00
100) Naphthalene-d8b	5.560	136	198203m	40.00	ug/mL		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.410	112	258710	163.13	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 163.13%#				
7) Phenol-d5	4.138	99	331616	164.46	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 164.46%#				
24) Nitrobenzene-d5	4.931	82	310355	167.56	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 335.12%#				
48) 2-Fluorobiphenyl	6.570	172	667681	162.58	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 325.16%#				
71) 2,4,6-Tribromophenol	7.986	330	122126	176.35	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 176.35%#				
85) Terphenyl-d14	10.365	244	759944	158.09	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 316.18%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.452	74	179014	170.32	ug/l		100
3) Pyridine	2.458	79	317890	168.01	ppm		90
4) Aniline	4.179	93	400110	167.01	ppm	#	1
6) bis(2-Chloroethyl)ether	4.220	63	181708	165.50	ppm		90
8) Phenol	4.150	94	343571	168.92	ppm		95
9) 2-Chlorophenol	4.273	128	286825	170.46	ppm		98
10) 1,3-Dichlorobenzene	4.396	146	328513	166.85	ppm		99
11) 1,4-Dichlorobenzene	4.438	146	346197	164.67	ppm		97
12) 1,2-Dichlorobenzene	4.602	146	313201	165.80	ppm		99
13) Benzyl alcohol	4.555	108	183188	167.79	ppm		94
14) bis(2-chloroisopropyl)...	4.684	45	220248	161.20	ppm		96
15) o-cresol	4.655	108	248151m	76.11	ppm		
16) Acetophenone	4.796	105	401412	164.23	ppm		97
17) Hexachloroethane	4.866	117	124520	169.71	ppm		90
18) N-Nitroso-di-n-propyla...	4.825	70	200449	164.73	ppm		94
19) m+p-cresols	4.790	108	544273	333.86	ppm		95
20) 4-methylphenol	4.790	108	544273	333.86	ppm		95
25) Nitrobenzene	4.949	77	311250	166.32	ppm		96
26) Isophorone	5.154	82	517856	167.10	ppm		95
27) 2-Nitrophenol	5.231	139	161495	172.14	ppm		97
28) 2,4-Dimethylphenol	5.254	107	296326	167.84	ppm		93
29) bis(2-Chloroethoxy)met...	5.342	93	305861	166.07	ppm		99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65356.D
Acq On : 1 Jul 2013 7:00 pm
Operator : kristinr
Sample : IC3031-160
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 07:01:15 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:36:46 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.378	105	240900	184.66	ppm	94
31) 2,4-Dichlorophenol	5.436	162	263721	171.57	ppm	97
32) 1,2,4-Trichlorobenzene	5.518	180	291616	164.06	ppm	98
33) Naphthalene	5.577	128	816538	166.56	ppm	96
34) 2,6-Dichlorophenol	5.648	162	258308	168.10	ppm	99
35) 4-Chloroaniline	5.642	127	359514	170.69	ppm	100
36) Hexachlorobutadiene	5.742	225	193099	166.32	ppm	98
37) 4-Chloro-3-methylphenol	6.077	107	256180	168.49	ppm	93
38) 2-Methylnaphthalene	6.212	142	561904	165.51	ppm	97
39) 1-Methylnaphthalene	6.312	142	537621	162.94	ppm	96
40) 1,2,4,5-Tetrachloroben...	6.406	216	334270	161.19	ppm	100
44) Pentachloronitrobenzene	8.644	237	90016	165.73	ppm	98
45) Hexachlorocyclopentadiene	6.423	237	236014	184.54	ppm	98
46) 2,4,6-Trichlorophenol	6.494	196	215924	172.20	ppm	98
47) 2,4,5-Trichlorophenol	6.529	196	227731	170.61	ppm	99
49) 2-Chloronaphthalene	6.664	162	550749	166.77	ppm	95
50) Acenaphthylene	7.058	152	876206	167.34	ppm	97
51) Dimethylphthalate	6.987	163	637884	164.28	ppm	99
52) 2,4-Dinitrotoluene	7.422	165	193904	175.09	ppm	98
53) Acenaphthene	7.234	153	548525	165.29	ppm	98
54) 2,4-Dinitrophenol	7.275	184	111439	183.46	ppm	98
55) Dibenzofuran	7.387	168	809986	162.40	ppm	98
56) 2,6-Dinitrotoluene	7.046	165	152384	176.09	ppm	75
57) 4-Nitrophenol	7.334	65	121646	171.30	ppm	92
58) 2,3,4,6-Tetrachlorophenol	7.545	232	204678	173.79	ppm	98
59) Fluorene	7.727	166	650780	169.53	ppm	100
60) 4-Chlorophenyl-phenyle...	7.721	204	357661	167.93	ppm	97
61) Diethylphthalate	7.663	149	606402	158.33	ppm	98
62) 2-nitroaniline	6.787	138	186351	178.03	ppm	93
63) 3-nitroaniline	7.181	138	153016	170.59	ppm	89
64) 4-nitroaniline	7.792	138	153598	170.38	ppm	90
68) 4,6-Dinitro-2-methylph...	7.827	198	147485	186.62	ppm	100
69) n-Nitrosodiphenylamine	7.851	169	468006	171.05	ppm	97
70) 1,2-Diphenylhydrazine	7.880	77	579420	165.93	ppm	99
72) 4-Bromophenyl-phenylether	8.209	248	226801	170.40	ppm	95
73) Hexachlorobenzene	8.368	284	232596	168.58	ppm	93
74) Pentachlorophenol	8.556	266	175156	179.83	ppm	99
75) Phenanthrene	8.714	178	929677	164.58	ppm	99
76) Anthracene	8.761	178	974892	166.48	ppm	100
77) Carbazole	8.937	167	864622	169.44	ppm	97
78) Di-n-butylphthalate	9.372	149	990565	165.11	ppm	99
79) Fluoranthene	9.971	202	961492	163.64	ppm	96
83) Benzidine	10.106	184	374039	168.51	ppm	97
84) Pyrene	10.195	202	1000344	161.48	ppm	97
86) 3,3-Dimethylbenzidine	10.870	212	525651	162.73	ppm	100
87) Butylbenzylphthalate	10.917	149	392393	171.61	ppm	94
88) 3,3'-Dichlorobenzidine	11.458	252	412439	178.93	ppm	99
89) Benzo[a]anthracene	11.463	228	949488	163.76	ppm	98
90) Chrysene	11.510	228	915776	161.19	ppm	98
91) bis(2-Ethylhexyl)phtha...	11.581	149	552149	177.35	ppm	99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65356.D
Acq On : 1 Jul 2013 7:00 pm
Operator : kristinr
Sample : IC3031-160
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 07:01:15 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:36:46 2013
Response via : Initial Calibration

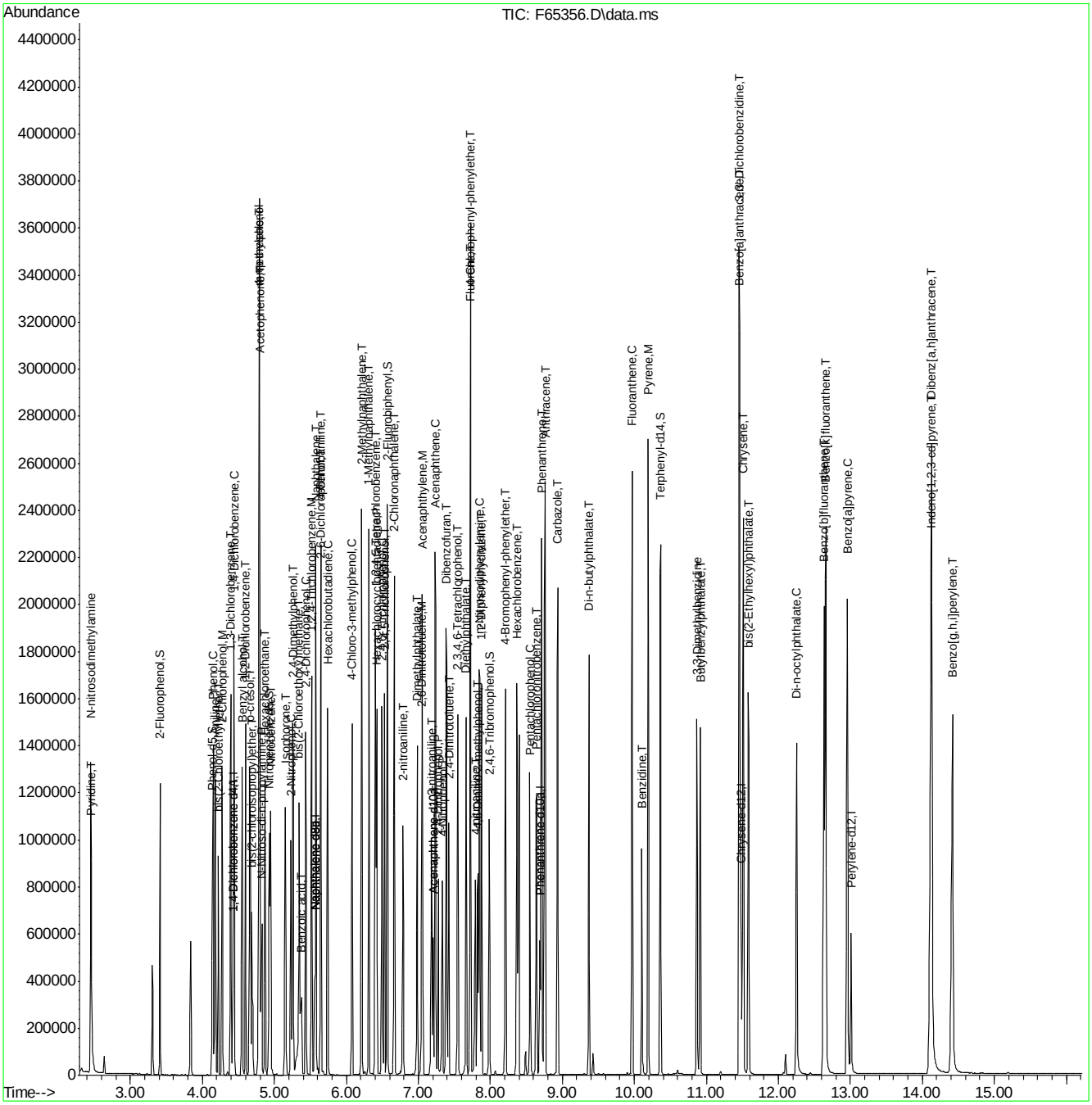
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.251	149	884471	185.29	ppm	100
94) Benzo[b]fluoranthene	12.632	252	1050873	177.69	ppm	98
95) Benzo[k]fluoranthene	12.662	252	1021304	159.72	ppm	97
96) Benzo[a]pyrene	12.961	252	977794	178.32	ppm	96
97) Indeno[1,2,3-cd]pyrene	14.119	276	1338252	198.87	ppm	92
98) Dibenz[a,h]anthracene	14.130	278	1078750	201.57	ppm	99
99) Benzo[g,h,i]perylene	14.424	276	1107552	192.95	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65356.D
Acq On : 1 Jul 2013 7:00 pm
Operator : kristinr
Sample : IC3031-160
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 07:01:15 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:36:46 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Doug Yargeau
07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65358.D
Acq On : 1 Jul 2013 7:47 pm
Operator : kristinr
Sample : IC3031-5
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 03 09:02:03 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:46:28 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.421	152	58438	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.555	136	213609	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.199	164	130830	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.680	188	248800	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.555	136	213626m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue

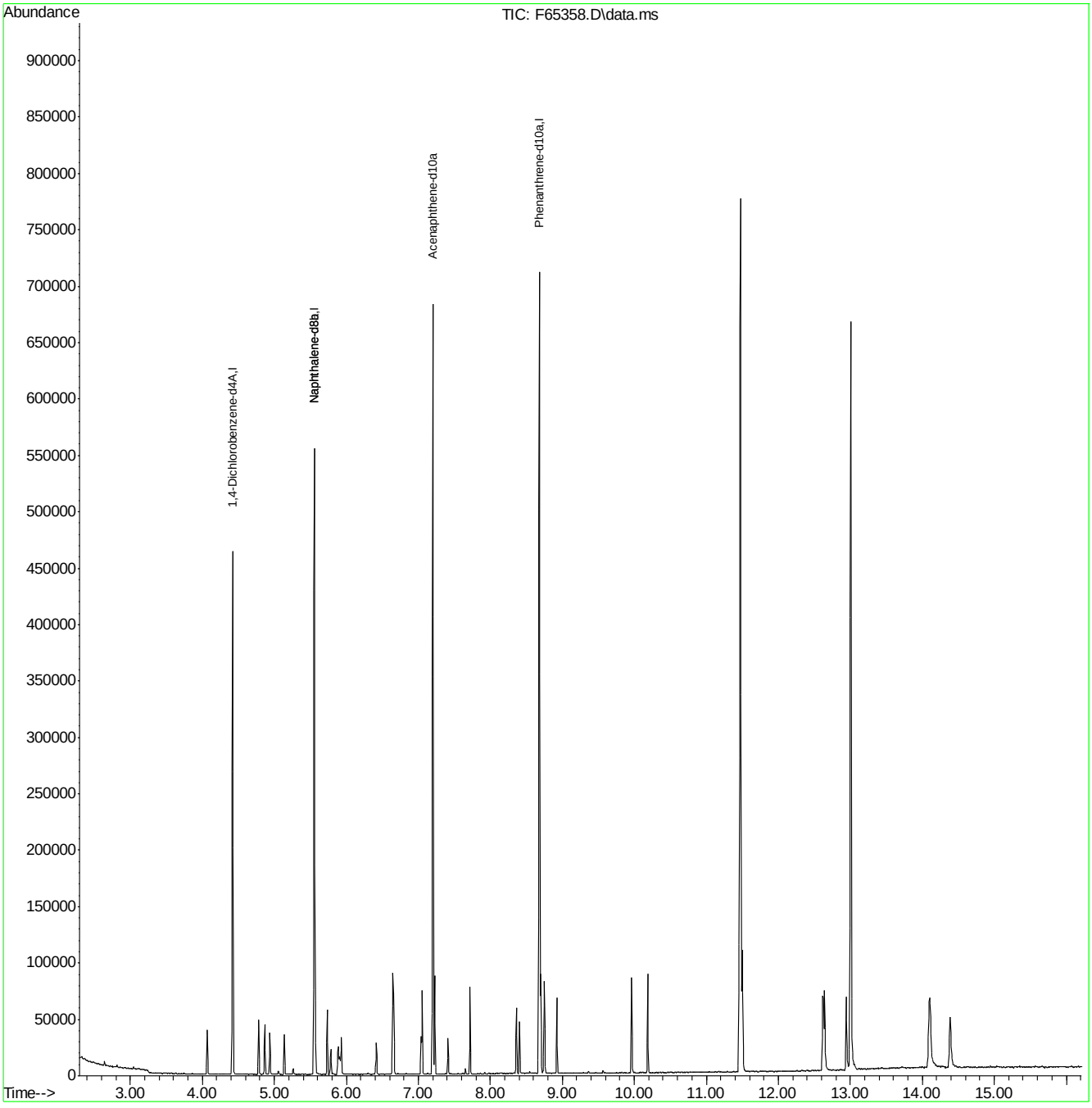
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST LABORATORIES
MC23272

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65358.D
Acq On : 1 Jul 2013 7:47 pm
Operator : kristinr
Sample : IC3031-5
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 03 09:02:03 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:46:28 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65359.D
Acq On : 1 Jul 2013 8:11 pm
Operator : kristinr
Sample : IC3031-10
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 03 09:03:25 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:02:14 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.423	152	73604	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.551	136	271779	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.201	164	168762	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.682	188	319238	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.551	136	272083m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.064	77	18331m	10.14	ppm	
42) Caprolactam	5.921	55	7921	10.70	ppm	# 100
66) 1,1'-Biphenyl	6.649	154	58190	10.22	ppm	# 100
81) Atrazine	8.411	200	16508	10.98	ppm	# 100
101) o-Toluic Acid	5.797	118	10025m	12.17	ug/mL	
103) p-Toluic Acid	5.950	91	22818m	11.47	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

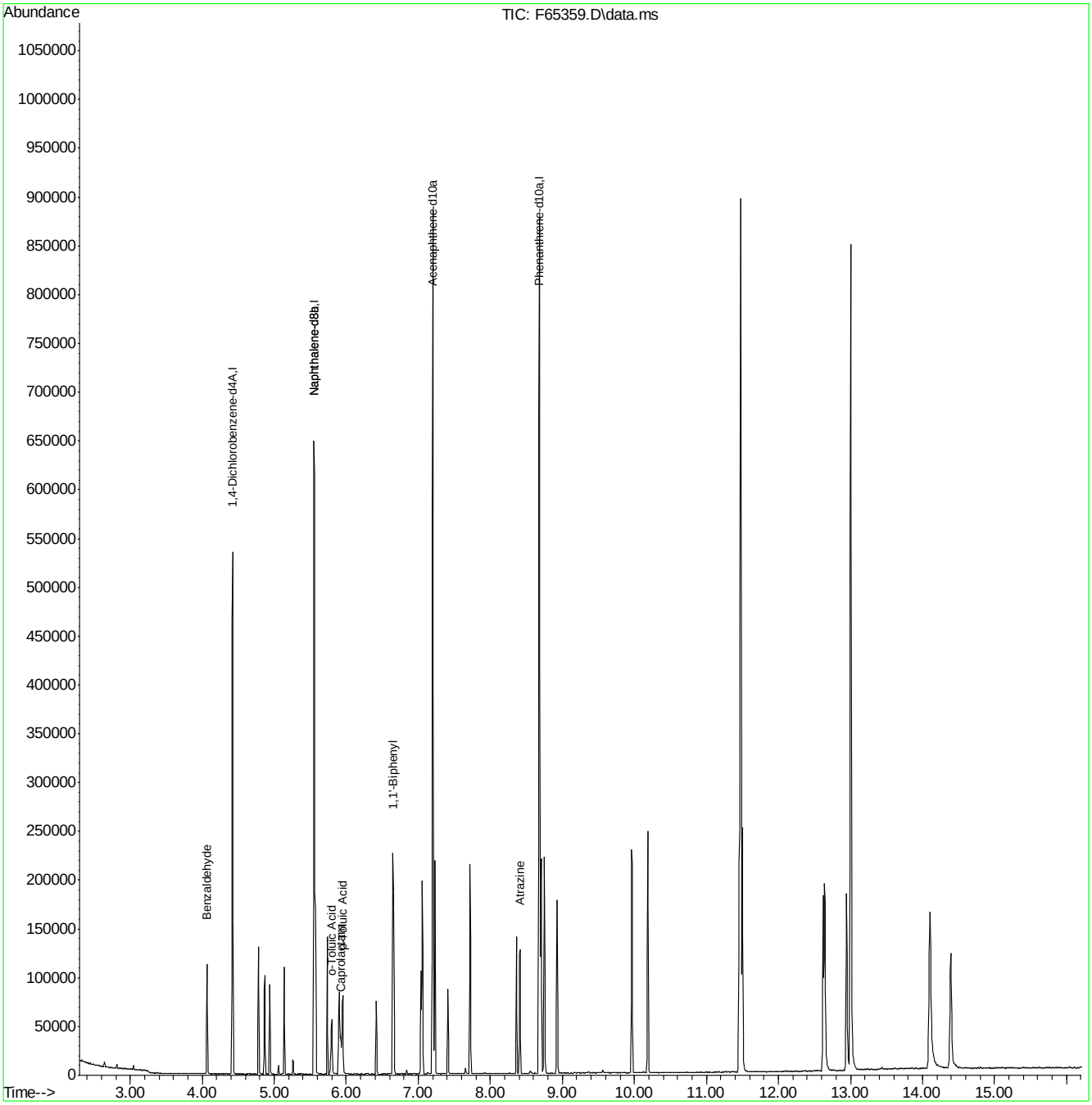
9.6.10

6

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65359.D
Acq On : 1 Jul 2013 8:11 pm
Operator : kristinr
Sample : IC3031-10
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 03 09:03:25 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:02:14 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65360.D
Acq On : 1 Jul 2013 8:35 pm
Operator : kristinr
Sample : IC3031-20
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 03 09:17:32 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:05:42 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.423	152	113117	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.551	136	418382	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.202	164	263100	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.682	188	497807	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.551	136	418382	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.065	77	56218	19.74	ppm	99
42) Caprolactam	5.945	55	25313	20.65	ppm	93
66) 1,1'-Biphenyl	6.644	154	177342	19.61	ppm	98
81) Atrazine	8.412	200	54513	21.19	ppm	97
101) o-Toluic Acid	5.821	118	39187m	27.06	ug/mL	
102) m-Toluic Acid	5.933	136	47358m	21.78	ug/mL	
103) p-Toluic Acid	5.980	91	67606m	21.02	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

9.6.11

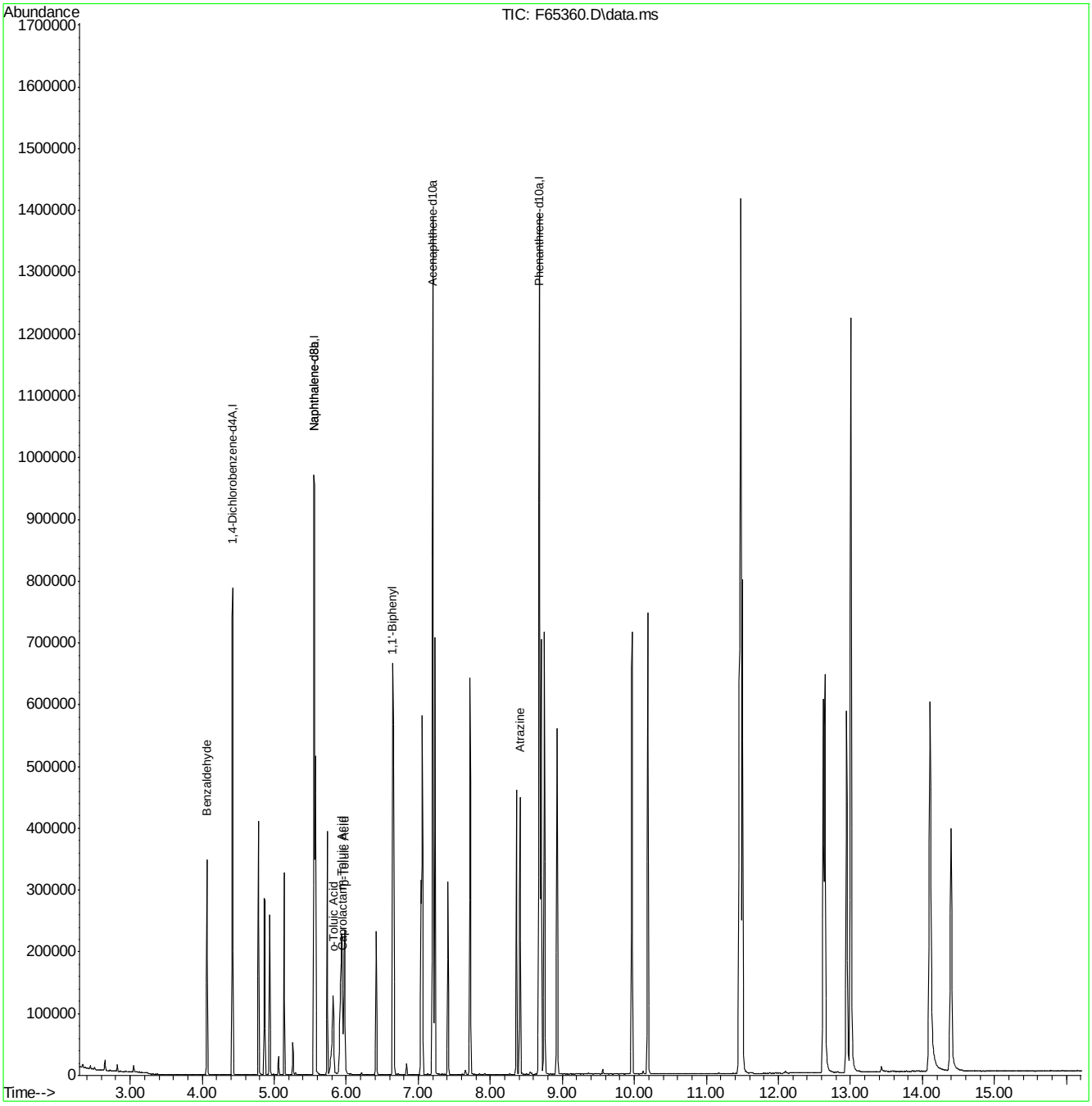
9

ACCUTEST LABORATORIES MC23272

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65360.D
Acq On : 1 Jul 2013 8:35 pm
Operator : kristinr
Sample : IC3031-20
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 03 09:17:32 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:05:42 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65361.D
Acq On : 1 Jul 2013 8:58 pm
Operator : kristinr
Sample : IC3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 03 09:17:47 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:03:31 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.421	152	148776	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.554	136	545635	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.205	164	338770	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.685	188	646961	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.554	136	543714m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.068	77	194080m	52.76	ppm	
42) Caprolactam	5.983	55	85963m	55.88	ppm	
66) 1,1'-Biphenyl	6.647	154	590946	51.14	ppm	# 100
81) Atrazine	8.421	200	181927	56.91	ppm	# 100
101) o-Toluic Acid	5.860	118	143667m	78.74	ug/mL	
103) p-Toluic Acid	6.036	91	200306m	46.94	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

9.6.12

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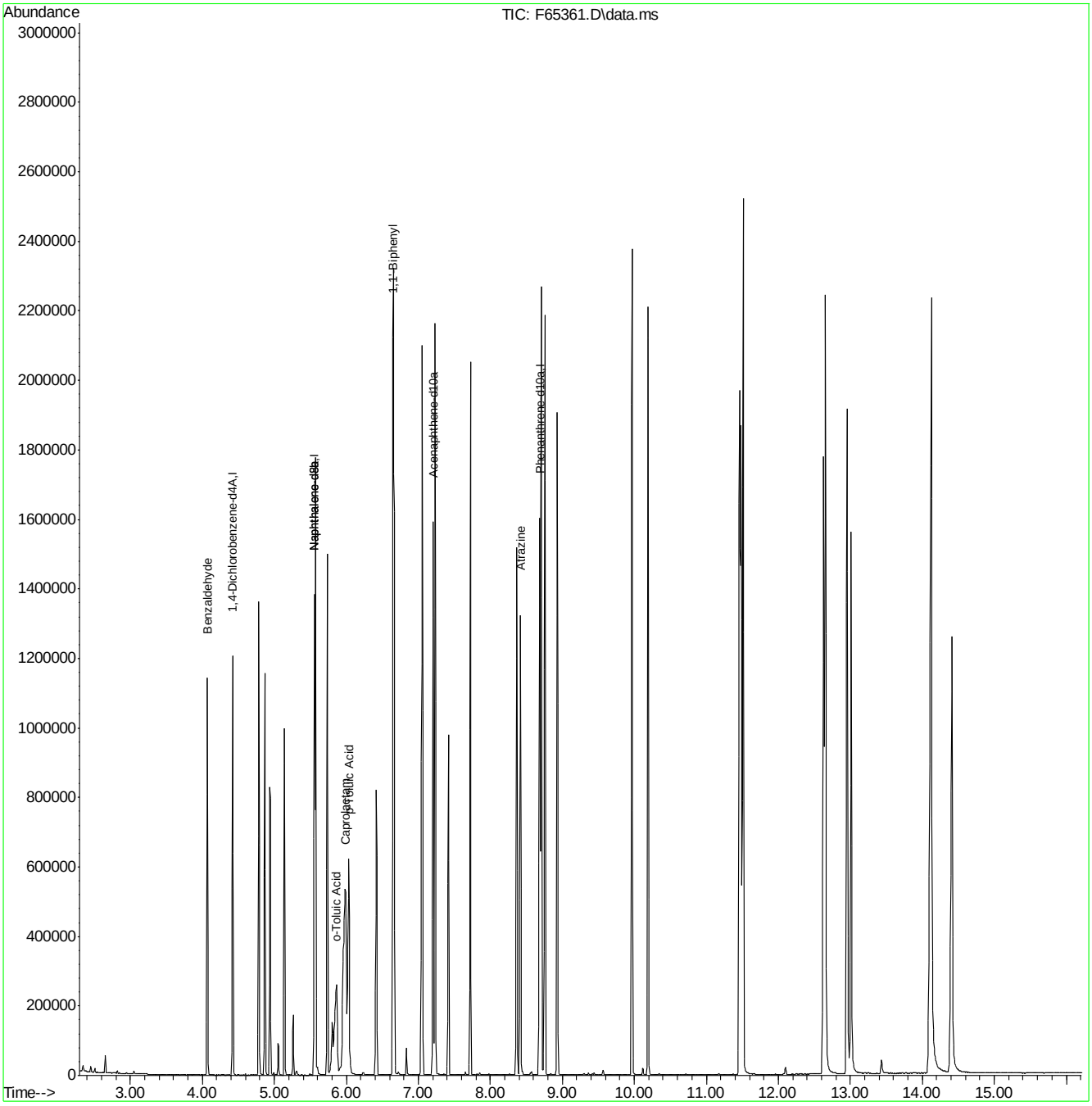
Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65361.D
Acq On : 1 Jul 2013 8:58 pm
Operator : kristinr
Sample : IC3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 03 09:17:47 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:03:31 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65362.D
Acq On : 1 Jul 2013 9:22 pm
Operator : kristinr
Sample : IC3031-80
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 03 09:09:04 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:07:05 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.421	152	103783	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.555	136	390612	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.205	164	242107	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.686	188	473630	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.555	136	390612	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.068	77	210486	80.81	ppm	99
42) Caprolactam	5.983	55	97431m	84.44	ppm	
66) 1,1'-Biphenyl	6.647	154	677317	81.80	ppm	98
81) Atrazine	8.421	200	212313	85.46	ppm	99
101) o-Toluic Acid	5.866	118	168409m	114.24	ug/mL	
102) m-Toluic Acid	6.007	136	217725m	79.81	ug/mL	
103) p-Toluic Acid	6.048	91	239019m	78.59	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

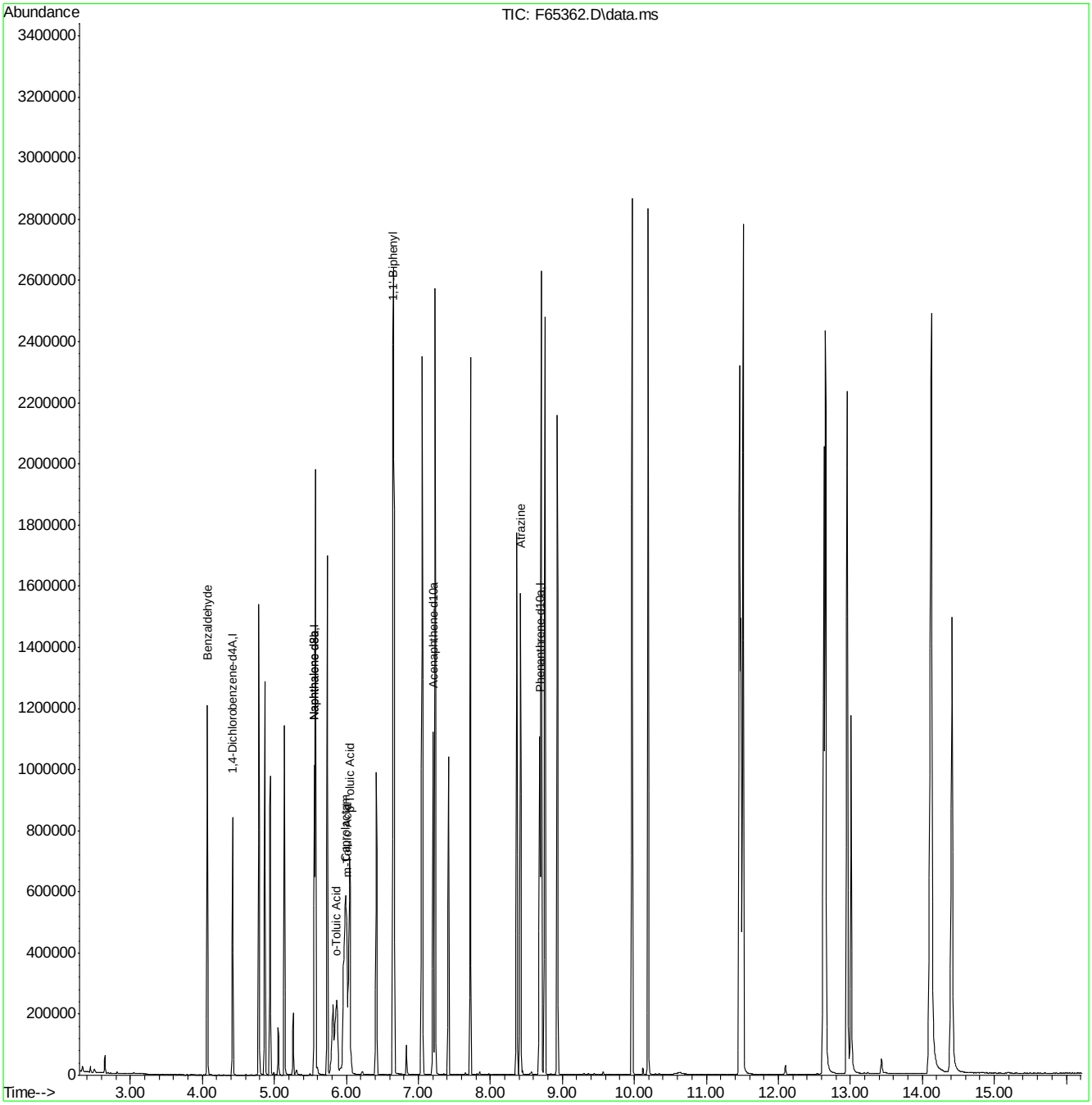
9.6.13

9

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65362.D
Acq On : 1 Jul 2013 9:22 pm
Operator : kristinr
Sample : IC3031-80
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 03 09:09:04 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:07:05 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23272

Manual Integrations APPROVED
(compounds with "m" flag)
Doug Yargeau
07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65363.D
Acq On : 1 Jul 2013 9:45 pm
Operator : kristinr
Sample : IC3031-120
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 03 09:10:24 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:09:18 2013
Response via : Initial Calibration

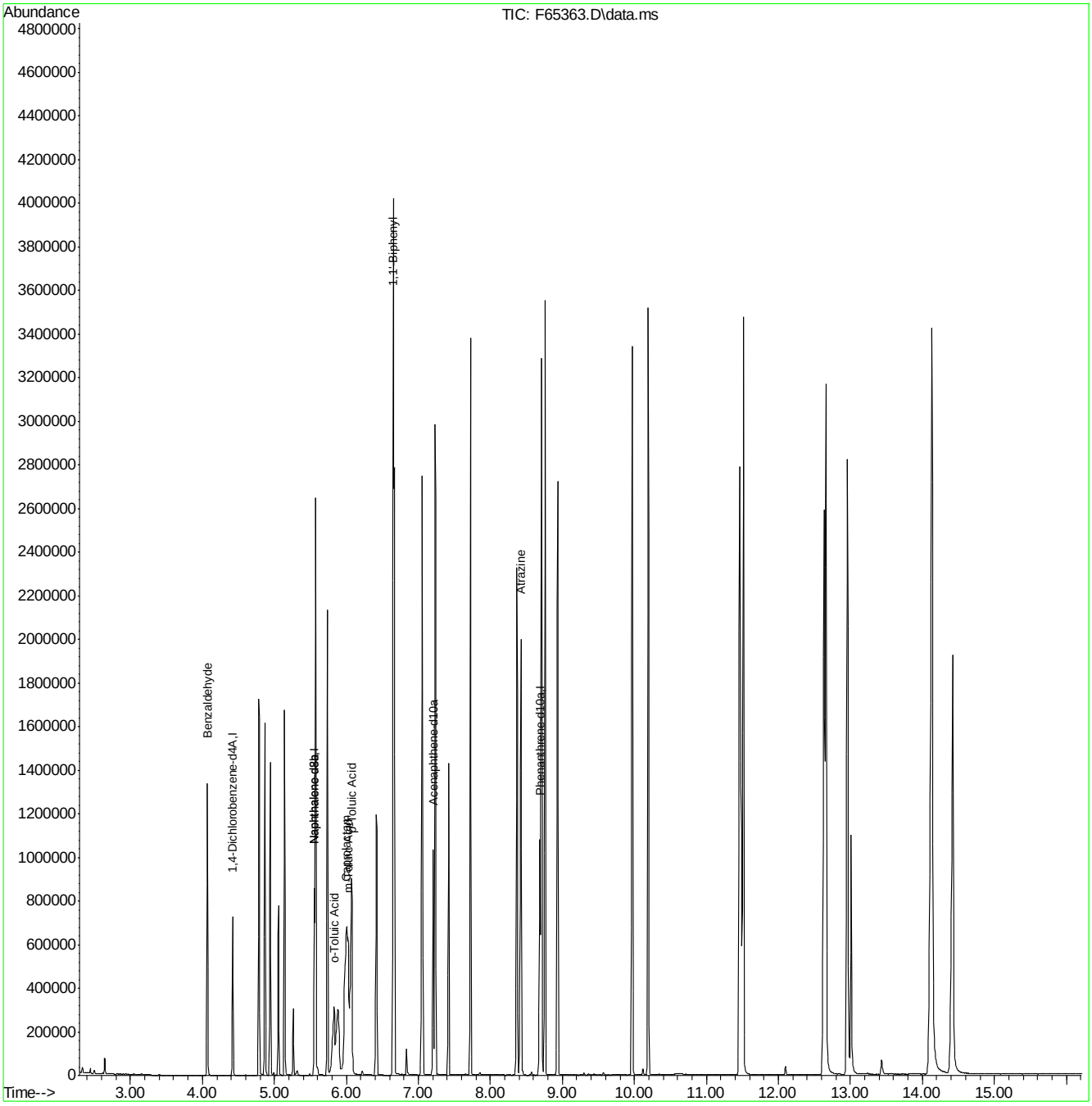
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.420	152	91886	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.554	136	346374	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.204	164	218848	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.685	188	428395	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.554	136	346374	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.067	77	226477	98.01	ppm	99
42) Caprolactam	6.000	55	133207m	128.77	ppm	
66) 1,1'-Biphenyl	6.652	154	923160	122.78	ppm	98
81) Atrazine	8.426	200	292232	128.30	ppm	99
101) o-Toluic Acid	5.830	118	236587m	166.71	ug/mL	
102) m-Toluic Acid	6.024	136	300042	113.43	ug/mL	96
103) p-Toluic Acid	6.071	91	312933	116.44	ug/mL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65363.D
Acq On : 1 Jul 2013 9:45 pm
Operator : kristinr
Sample : IC3031-120
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 03 09:10:24 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:09:18 2013
Response via : Initial Calibration



F65364.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65364.D
Acq On : 1 Jul 2013 10:09 pm
Operator : kristinr
Sample : IC3031-160
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 03 09:11:54 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:10:39 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.422	152	82687	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.556	136	308601	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.201	164	195737	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.687	188	369039	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.556	136	308601	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.064	77	204943	98.55	ppm	95
42) Caprolactam	6.003	55	159267m	170.72	ppm	
66) 1,1'-Biphenyl	6.655	154	1102636	163.34	ppm	100
81) Atrazine	8.429	200	344699	173.67	ppm	98
101) o-Toluic Acid	5.832	118	283813m	210.79	ug/mL	
102) m-Toluic Acid	6.038	136	385449	158.49	ug/mL	96
103) p-Toluic Acid	6.085	91	368425	154.64	ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

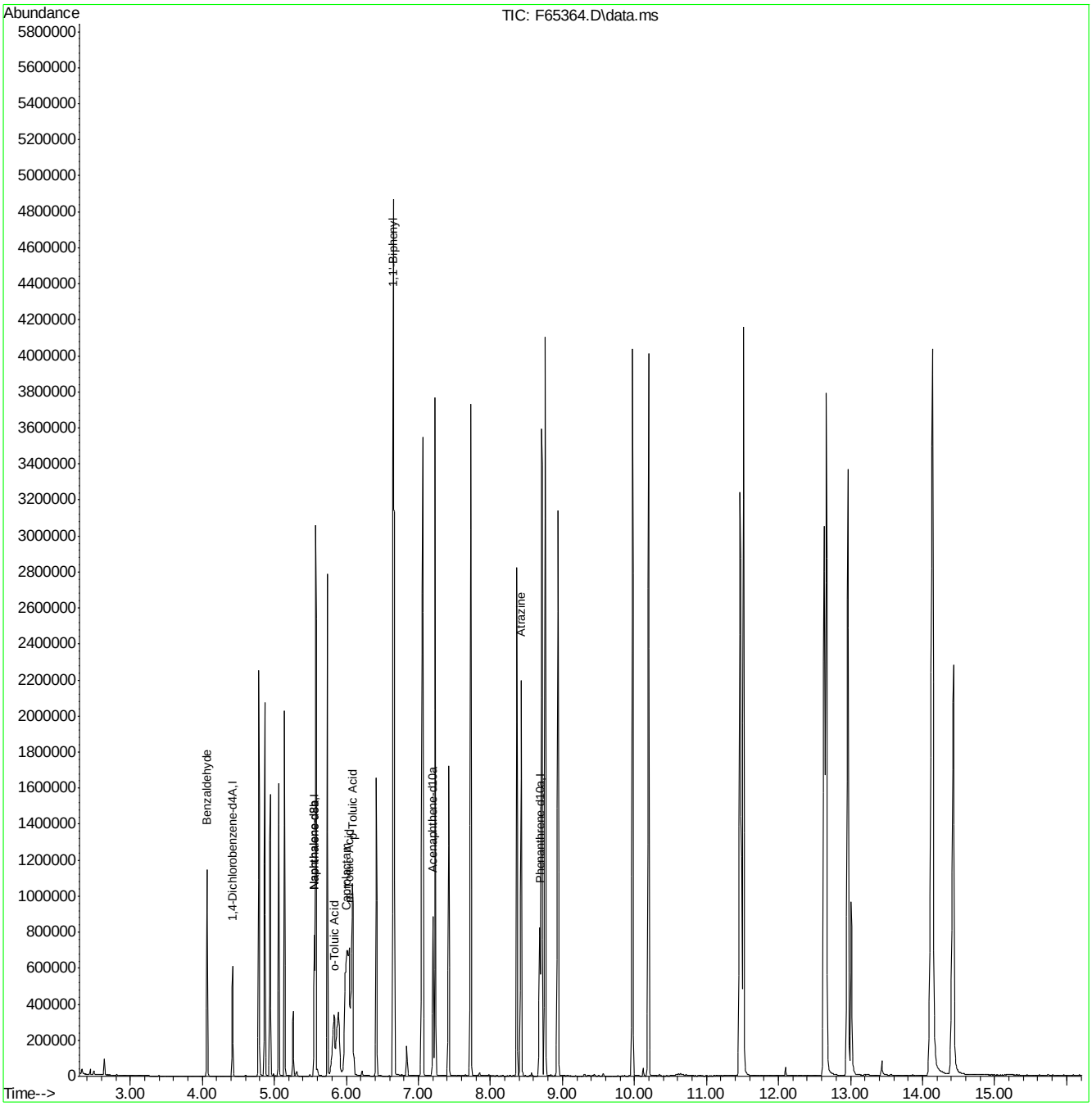
9.6.15

6

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65364.D
Acq On : 1 Jul 2013 10:09 pm
Operator : kristinr
Sample : IC3031-160
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 03 09:11:54 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:10:39 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65365.D
Acq On : 1 Jul 2013 10:33 pm
Operator : kristinr
Sample : ICV3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 10 14:27:12 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.419	152	92383	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.419	152	92383	40.00	PPM	0.00
23) Naphthalene-d8	5.553	136	341563	40.00	ppm	0.00
41) Naphthalene-d8a	5.553	136	341563	40.00	ppm	0.00
43) Acenaphthene-d10	7.204	164	222922	40.00	ppm	0.00
65) Acenaphthene-d10a	7.204	164	222922	40.00	ppm	0.00
67) Phenanthrene-d10	8.684	188	420276	40.00	ppm	0.00
80) Phenanthrene-d10a	8.684	188	420276	40.00	ppm	0.00
82) Chrysene-d12	11.480	240	441912	40.00	ppm	0.00
92) Perylene-d12	13.008	264	415613	40.00	ppm	0.00
100) Naphthalene-d8b	5.553	136	341563	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.415	112	135409	50.28	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.28%			
7) Phenol-d5	4.137	99	168809	49.25	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 49.25%			
24) Nitrobenzene-d5	4.925	82	162406	50.84	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 101.68%			
48) 2-Fluorobiphenyl	6.563	172	377715	50.35	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 100.70%			
71) 2,4,6-Tribromophenol	7.979	330	66880	49.64	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 49.64%			
85) Terphenyl-d14	10.358	244	476592	50.78	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 101.56%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.463	74	87882	48.91	ug/l	97
3) Pyridine	2.469	79	153819	47.65	ppm	96
4) Aniline	4.178	93	166561	40.82	ppm #	1
6) bis(2-Chloroethyl)ether	4.220	63	90480	48.44	ppm	94
8) Phenol	4.143	94	175056	50.45	ppm	95
9) 2-Chlorophenol	4.272	128	143956	50.09	ppm	99
10) 1,3-Dichlorobenzene	4.396	146	163289	48.69	ppm	98
11) 1,4-Dichlorobenzene	4.437	146	171142	47.88	ppm	97
12) 1,2-Dichlorobenzene	4.596	146	157530	49.00	ppm	97
13) Benzyl alcohol	4.549	108	89424	48.02	ppm	95
14) bis(2-chloroisopropyl)...	4.684	45	133553	57.65	ppm	93
15) o-cresol	4.654	108	127292	50.41	ppm	87
16) Acetophenone	4.789	105	199083	47.92	ppm	99
17) Hexachloroethane	4.866	117	62173	49.64	ppm	86
18) N-Nitroso-di-n-propyla...	4.807	70	107894	52.15	ppm	95
19) m+p-cresols	4.784	108	277279	99.86	ppm	98
20) 4-methylphenol	4.784	108	277279	99.86	ppm	98
22) Benzaldehyde	4.067	77	83446m	37.05	ppm	
25) Nitrobenzene	4.942	77	154806	48.01	ppm	95
26) Isophorone	5.142	82	262322	49.10	ppm	100
27) 2-Nitrophenol	5.224	139	82604	50.81	ppm	94
28) 2,4-Dimethylphenol	5.253	107	155625	51.06	ppm	94

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65365.D
Acq On : 1 Jul 2013 10:33 pm
Operator : kristinr
Sample : ICV3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 10 14:27:12 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) bis(2-Chloroethoxy)met...	5.342	93	162349	51.14	ppm		100
30) Benzoic acid	5.347	105	136112	59.33	ppm		95
31) 2,4-Dichlorophenol	5.436	162	135145	50.76	ppm		99
32) 1,2,4-Trichlorobenzene	5.518	180	155555	50.88	ppm		99
33) Naphthalene	5.577	128	422703	50.04	ppm		97
34) 2,6-Dichlorophenol	5.647	162	132604	49.97	ppm		98
35) 4-Chloroaniline	5.635	127	145800	39.99	ppm		100
36) Hexachlorobutadiene	5.735	225	101350	50.67	ppm		97
37) 4-Chloro-3-methylphenol	6.082	107	136692	52.04	ppm		96
38) 2-Methylnaphthalene	6.205	142	280731	48.03	ppm		99
39) 1-Methylnaphthalene	6.311	142	272997	48.15	ppm		96
40) 1,2,4,5-Tetrachloroben...	6.399	216	170109	47.80	ppm		97
42) Caprolactam	5.935	55	51528	49.43	ppm		98
44) Pentachloronitrobenzene	8.637	237	48745	48.94	ppm		98
45) Hexachlorocyclopentadiene	6.423	237	58061	24.37	ppm		99
46) 2,4,6-Trichlorophenol	6.493	196	114714	49.64	ppm		97
47) 2,4,5-Trichlorophenol	6.528	196	124727	50.77	ppm		98
49) 2-Chloronaphthalene	6.663	162	306426	50.63	ppm		97
50) Acenaphthylene	7.057	152	479452m	49.94	ppm		
51) Dimethylphthalate	6.981	163	346316	48.76	ppm		99
52) 2,4-Dinitrotoluene	7.415	165	110260	53.89	ppm		99
53) Acenaphthene	7.233	153	306525	50.46	ppm		98
54) 2,4-Dinitrophenol	7.268	184	59377	52.09	ppm		97
55) Dibenzofuran	7.386	168	430648	47.27	ppm		98
56) 2,6-Dinitrotoluene	7.045	165	80409	50.25	ppm	#	64
57) 4-Nitrophenol	7.327	65	66850	51.03	ppm		94
58) 2,3,4,6-Tetrachlorophenol	7.545	232	112477	51.75	ppm		99
59) Fluorene	7.721	166	367697	52.15	ppm		99
60) 4-Chlorophenyl-phenyle...	7.715	204	199316	51.02	ppm		95
61) Diethylphthalate	7.656	149	351891	50.46	ppm		98
62) 2-nitroaniline	6.787	138	98932	51.02	ppm		99
63) 3-nitroaniline	7.174	138	64768m	39.17	ppm		
64) 4-nitroaniline	7.779	138	78088	47.00	ppm		90
66) 1,1'-Biphenyl	6.646	154	362345	46.99	ppm		99
68) 4,6-Dinitro-2-methylph...	7.815	198	84531	54.28	ppm		100
69) n-Nitrosodiphenylamine	7.844	169	242577	45.85	ppm		97
70) 1,2-Diphenylhydrazine	7.873	77	317051	47.14	ppm		97
72) 4-Bromophenyl-phenylether	8.208	248	122041	47.44	ppm		95
73) Hexachlorobenzene	8.367	284	132581	49.78	ppm		92
74) Pentachlorophenol	8.549	266	97290	51.04	ppm		99
75) Phenanthrene	8.708	178	543690	50.02	ppm		99
76) Anthracene	8.755	178	533482	47.28	ppm		99
77) Carbazole	8.931	167	483090	49.02	ppm		98
78) Di-n-butylphthalate	9.366	149	572550	49.55	ppm		99
79) Fluoranthene	9.971	202	601586	53.25	ppm		97
81) Atrazine	8.414	200	113387	50.16	ppm		98
83) Benzidine	10.100	184	164282	37.85	ppm		97
84) Pyrene	10.188	202	593407	48.93	ppm		96
87) Butylbenzylphthalate	10.911	149	237197	52.51	ppm		99
88) 3,3'-Dichlorobenzidine	11.451	252	194641	42.47	ppm		97

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65365.D
Acq On : 1 Jul 2013 10:33 pm
Operator : kristinr
Sample : ICV3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 10 14:27:12 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo[a]anthracene	11.457	228	598747	52.66	ppm	98
90) Chrysene	11.504	228	557592	50.15	ppm	98
91) bis(2-Ethylhexyl)phtha...	11.580	149	341239	55.20	ppm	98
93) Di-n-octylphthalate	12.250	149	551796	55.01	ppm	100
94) Benzo[b]fluoranthene	12.626	252	598812	53.07	ppm	97
95) Benzo[k]fluoranthene	12.649	252	600474	49.91	ppm	98
96) Benzo[a]pyrene	12.955	252	501810	47.94	ppm	95
97) Indeno[1,2,3-cd]pyrene	14.106	276	696155	53.35	ppm	87
98) Dibenz[a,h]anthracene	14.118	278	568510	56.45	ppm	99
99) Benzo[g,h,i]perylene	14.406	276	580778	52.41	ppm	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

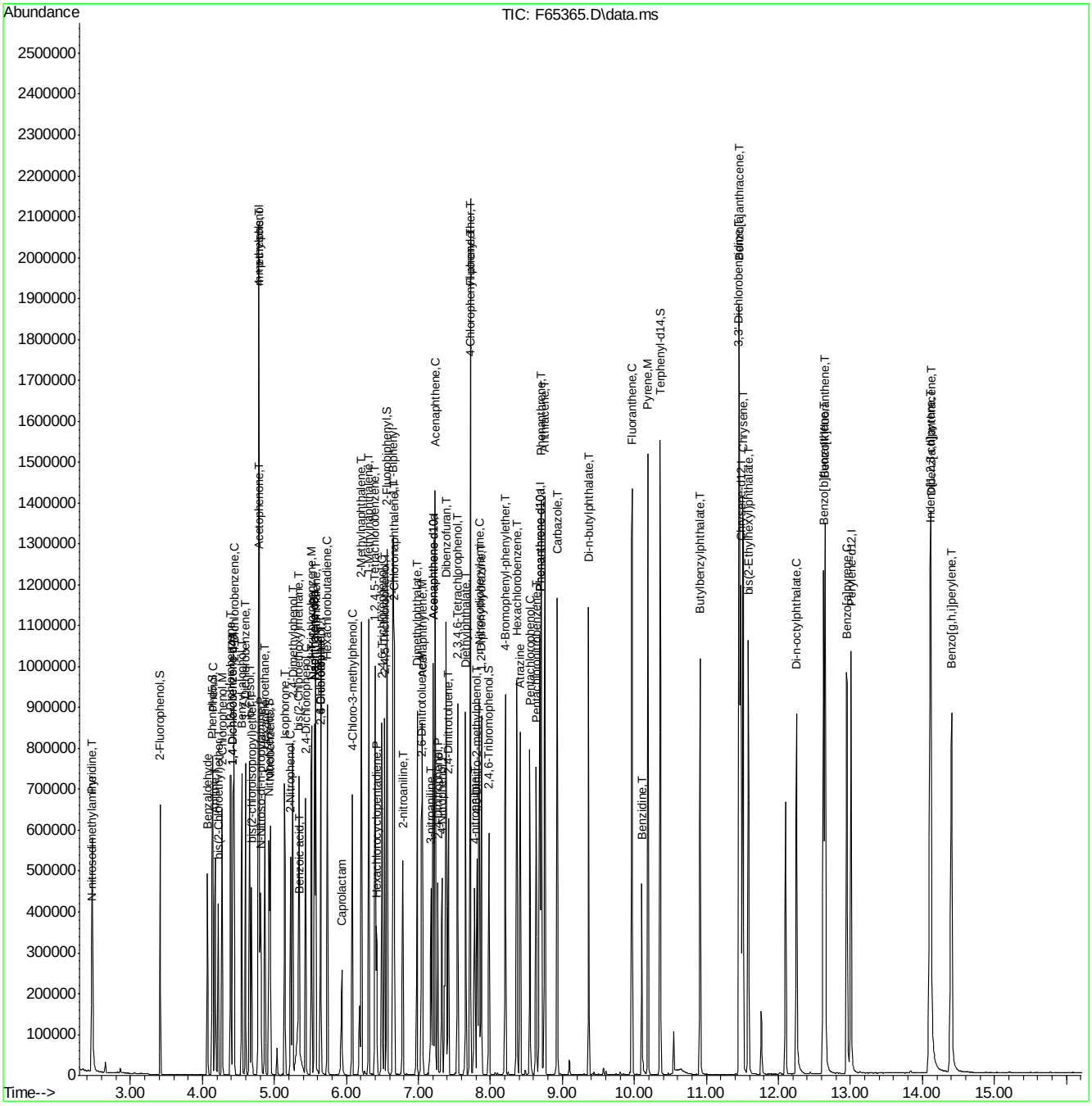
9.6.16

6

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65365.D
Acq On : 1 Jul 2013 10:33 pm
Operator : kristinr
Sample : ICV3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 10 14:27:12 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 08/09/13 13:49

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66060.D
Acq On : 9 Aug 2013 9:32 am
Operator : KRISTINR
Sample : CC3031-80, tcl42
Misc : OP34224,MSF3058,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 09 10:41:26 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

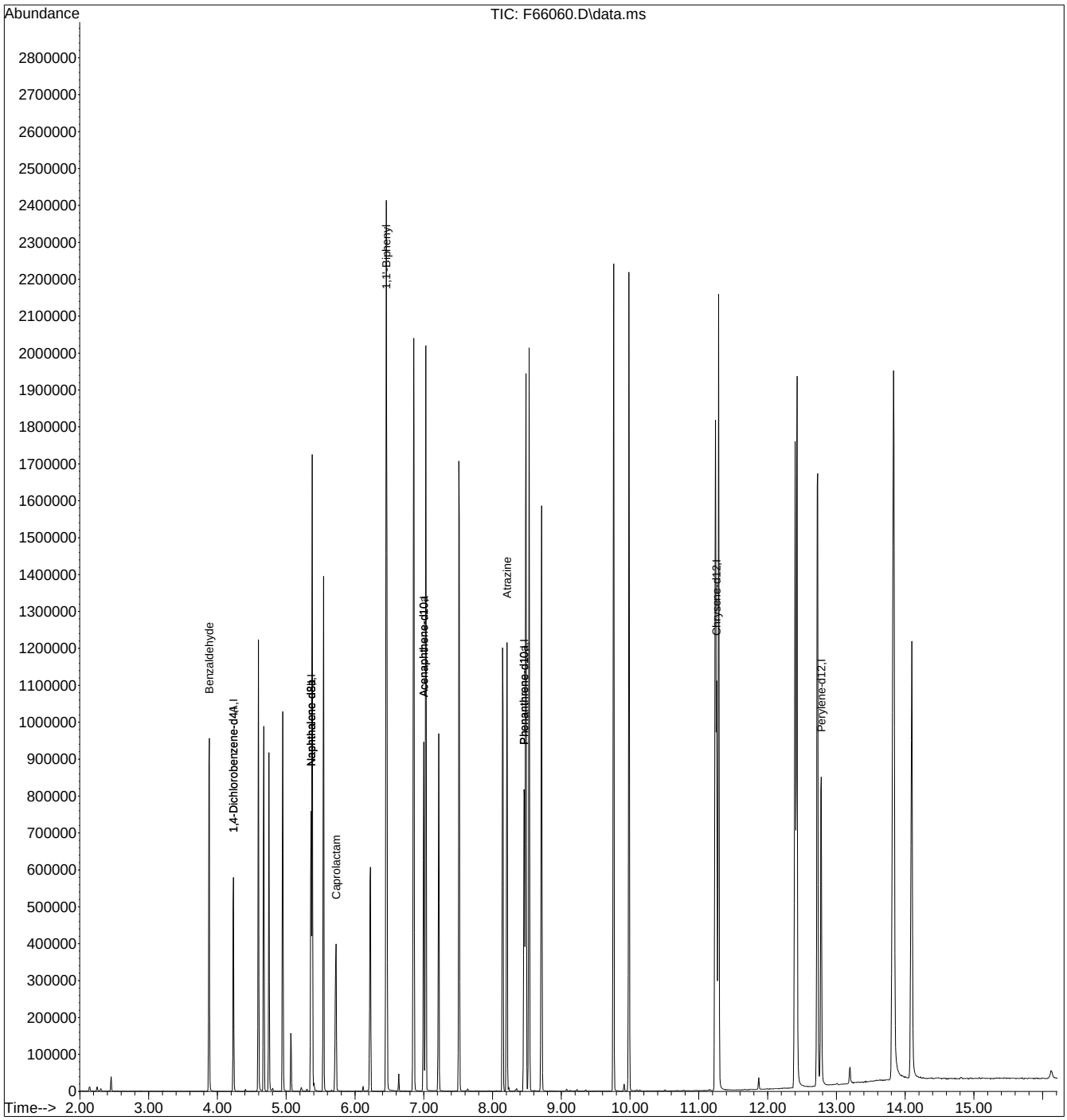
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.234	152	74126	40.00	ppm	-0.03
21) 1,4-Dichlorobenzene-d4A	4.234	152	74126	40.00	PPM	-0.03
23) Naphthalene-d8	5.362	136	279335	40.00	ppm	-0.03
41) Naphthalene-d8a	5.362	136	279335	40.00	ppm	-0.03
43) Acenaphthene-d10	7.001	164	176950	40.00	ppm	-0.03
65) Acenaphthene-d10a	7.001	164	176950	40.00	ppm	-0.03
67) Phenanthrene-d10	8.458	188	325182m	40.00	ppm	-0.04
80) Phenanthrene-d10a	8.458	188	325292	40.00	ppm	-0.04
82) Chrysene-d12	11.260	240	373506	40.00	ppm	-0.04
92) Perylene-d12	12.781	264	333515m	40.00	ppm	-0.04
100) Naphthalene-d8b	5.362	136	279335	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	3.881	77	178148	98.57	ppm	97
42) Caprolactam	5.726	55	69676	81.73	ppm	95
66) 1,1'-Biphenyl	6.454	154	503786	82.31	ppm	99
81) Atrazine	8.211	200	147026	84.04	ppm	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66060.D
Acq On : 9 Aug 2013 9:32 am
Operator : KRISTINR
Sample : CC3031-80, tcl42
Misc : OP34224,MSF3058,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 09 10:41:26 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



F130701_8270+.m Fri Aug 09 10:41:39 2013 Page: 2

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 08/09/13 13:49

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66061.D
Acq On : 9 Aug 2013 9:56 am
Operator : KRISTINR
Sample : CC3031-50
Misc : OP34224,MSF3058,,,,1,1
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Aug 09 13:43:10 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.232	152	85027	40.00	ppm	-0.03
21) 1,4-Dichlorobenzene-d4A	4.232	152	85027	40.00	PPM	-0.03
23) Naphthalene-d8	5.360	136	320896	40.00	ppm	-0.03
41) Naphthalene-d8a	5.360	136	320896	40.00	ppm	-0.03
43) Acenaphthene-d10	6.999	164	208036	40.00	ppm	-0.03
65) Acenaphthene-d10a	6.999	164	208036	40.00	ppm	-0.03
67) Phenanthrene-d10	8.462	188	397047m	40.00	ppm	-0.03
80) Phenanthrene-d10a	8.462	188	397196	40.00	ppm	-0.03
82) Chrysene-d12	11.264	240	440818	40.00	ppm	-0.03
92) Perylene-d12	12.779	264	404796	40.00	ppm	-0.04
100) Naphthalene-d8b	5.360	136	320300m	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.245	112	130256	52.55	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 52.55%			
7) Phenol-d5	3.974	99	168756	53.49	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 53.49%			
24) Nitrobenzene-d5	4.737	82	174187	58.04	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 116.08%			
48) 2-Fluorobiphenyl	6.370	172	354490	50.63	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 101.26%			
71) 2,4,6-Tribromophenol	7.774	330	58512	45.97	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 45.97%			
85) Terphenyl-d14	10.159	244	474869	50.73	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 101.46%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.270	74	80305	48.56	ug/l #	71
3) Pyridine	2.276	79	140343	47.23	ppm	95
4) Aniline	3.991	93	191327	50.94	ppm #	1
6) bis(2-Chloroethyl)ether	4.032	63	97808	56.89	ppm	83
8) Phenol	3.985	94	188763	59.11	ppm	67
9) 2-Chlorophenol	4.091	128	137513	51.99	ppm	95
10) 1,3-Dichlorobenzene	4.203	146	157825	51.14	ppm	99
11) 1,4-Dichlorobenzene	4.244	146	168813	51.31	ppm	94
12) 1,2-Dichlorobenzene	4.408	146	153367	51.84	ppm	98
13) Benzyl alcohol	4.367	108	59623m	34.78	ppm	
14) bis(2-chloroisopropyl)...	4.497	45	120410	56.47	ppm	90
15) o-cresol	4.485	108	124246	53.46	ppm	85
16) Acetophenone	4.596	105	207822	54.35	ppm	97
17) Hexachloroethane	4.673	117	64207	55.70	ppm	87
18) N-Nitroso-di-n-propyla...	4.620	70	114546m	60.15	ppm	
19) m+p-cresols	4.614	108	289580	113.31	ppm	96
20) 4-methylphenol	4.614	108	289580	113.31	ppm	96
25) Nitrobenzene	4.749	77	178447	58.91	ppm	85
26) Isophorone	4.955	82	291473	58.07	ppm	100
27) 2-Nitrophenol	5.037	139	80707	52.84	ppm	86
28) 2,4-Dimethylphenol	5.078	107	158734	55.43	ppm	90
29) bis(2-Chloroethoxy)met...	5.154	93	160851	53.93	ppm	99
30) Benzoic acid	5.184	105	111497	51.73	ppm	93
31) 2,4-Dichlorophenol	5.254	162	132110	52.81	ppm	96
32) 1,2,4-Trichlorobenzene	5.325	180	147831	51.47	ppm	97
33) Naphthalene	5.378	128	415617	52.37	ppm	96
34) 2,6-Dichlorophenol	5.460	162	125688	50.42	ppm	98
35) 4-Chloroaniline	5.448	127	171653	50.12	ppm	100
36) Hexachlorobutadiene	5.542	225	100436	53.45	ppm	99
37) 4-Chloro-3-methylphenol	5.906	107	141030	57.15	ppm	89

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66061.D
Acq On : 9 Aug 2013 9:56 am
Operator : KRISTINR
Sample : CC3031-50
Misc : OP34224,MSF3058,,,,1,1
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Aug 09 13:43:10 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

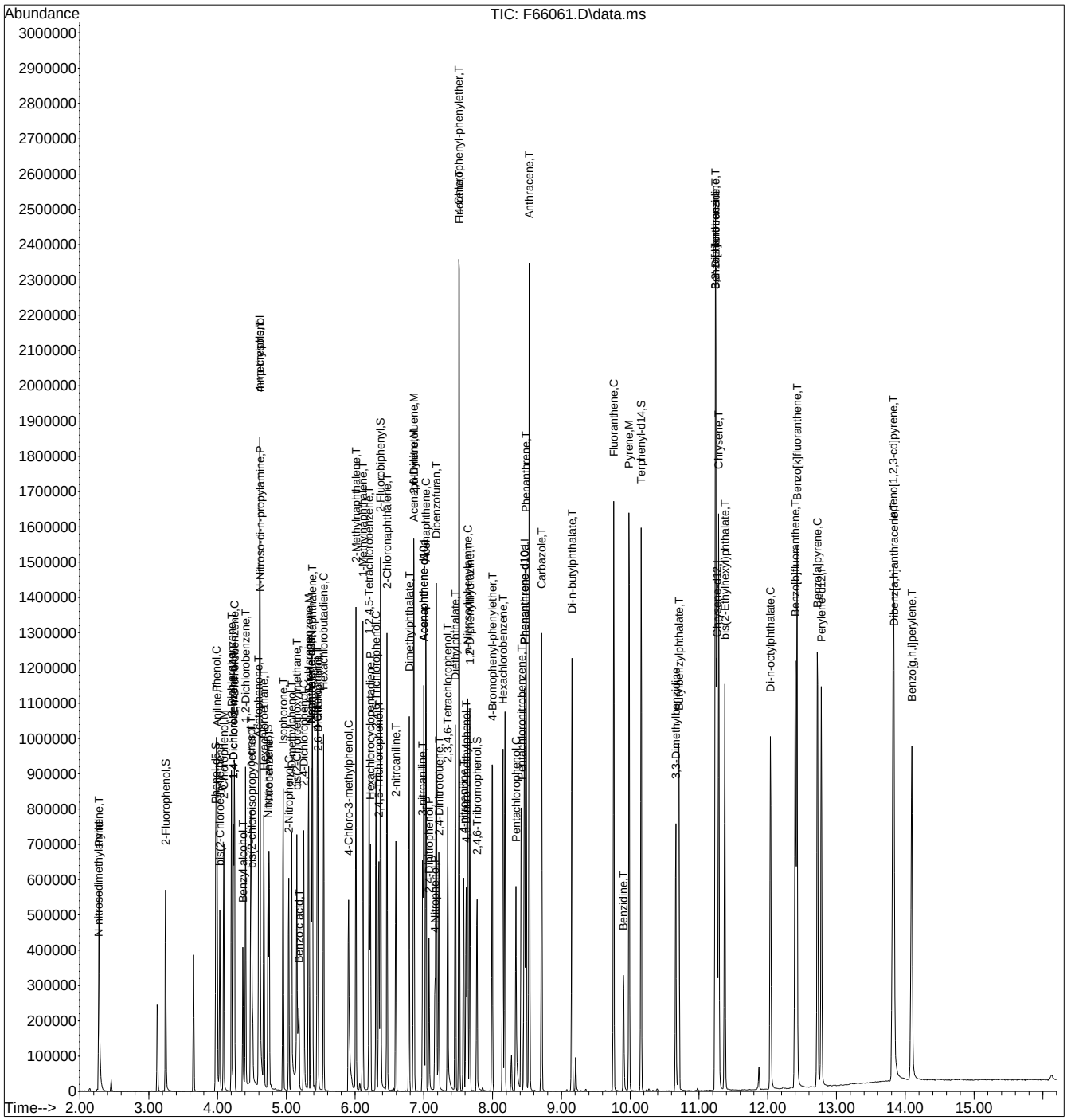
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) 2-Methylnaphthalene	6.012	142	293786	53.50	ppm		97
39) 1-Methylnaphthalene	6.112	142	277982	52.19	ppm		97
40) 1,2,4,5-Tetrachloroben...	6.206	216	177447	53.08	ppm		99
44) Pentachloronitrobenzene	8.421	237	55125	59.30	ppm		97
45) Hexachlorocyclopentadiene	6.224	237	91047	40.94	ppm		99
46) 2,4,6-Trichlorophenol	6.306	196	107064	49.65	ppm		99
47) 2,4,5-Trichlorophenol	6.347	196	117791	51.38	ppm		97
49) 2-Chloronaphthalene	6.464	162	294359	52.11	ppm		95
50) Acenaphthylene	6.858	152	474256	52.93	ppm		98
51) Dimethylphthalate	6.788	163	351110	52.97	ppm		100
52) 2,4-Dinitrotoluene	7.222	165	107793	56.45	ppm		97
53) Acenaphthene	7.028	153	297793	52.53	ppm		98
54) 2,4-Dinitrophenol	7.075	184	48204	45.31	ppm		81
55) Dibenzofuran	7.181	168	447507	52.64	ppm		92
56) 2,6-Dinitrotoluene	6.852	165	82485	55.23	ppm		95
57) 4-Nitrophenol	7.164	65	69828m	57.12	ppm		
58) 2,3,4,6-Tetrachlorophenol	7.346	232	106847	52.68	ppm		98
59) Fluorene	7.516	166	366176	55.65	ppm		100
60) 4-Chlorophenyl-phenyle...	7.510	204	199893	54.82	ppm		90
61) Diethylphthalate	7.457	149	348744	53.59	ppm		97
62) 2-nitroaniline	6.594	138	99274	54.86	ppm		85
63) 3-nitroaniline	6.981	138	82765	53.64	ppm	#	70
64) 4-nitroaniline	7.581	138	84769	54.68	ppm		78
68) 4,6-Dinitro-2-methylph...	7.616	198	75029	51.00	ppm		100
69) n-Nitrosodiphenylamine	7.639	169	253829	50.78	ppm		98
70) 1,2-Diphenylhydrazine	7.669	77	357436	56.25	ppm		95
72) 4-Bromophenyl-phenylether	7.998	248	122171	50.27	ppm		93
73) Hexachlorobenzene	8.150	284	120800	48.01	ppm		93
74) Pentachlorophenol	8.338	266	74929m	41.61	ppm		
75) Phenanthrene	8.485	178	528276m	51.45	ppm		
76) Anthracene	8.532	178	557071	52.25	ppm		99
77) Carbazole	8.714	167	489527	52.57	ppm		97
78) Di-n-butylphthalate	9.155	149	601652	55.11	ppm		99
79) Fluoranthene	9.760	202	614302	57.56	ppm		100
83) Benzidine	9.901	184	126985	29.33	ppm		98
84) Pyrene	9.983	202	640632	52.96	ppm		98
86) 3,3-Dimethylbenzidine	10.665	212	263543	41.83	ppm		100
87) Butylbenzylphthalate	10.712	149	246060	54.61	ppm		99
88) 3,3'-Dichlorobenzidine	11.240	252	253851	55.53	ppm		99
89) Benzo[a]anthracene	11.240	228	611880	53.95	ppm		98
90) Chrysene	11.287	228	578953	52.20	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.375	149	349818	56.73	ppm		98
93) Di-n-octylphthalate	12.039	149	568094	58.03	ppm		100
94) Benzo[b]fluoranthene	12.403	252	650356	59.18	ppm		96
95) Benzo[k]fluoranthene	12.427	252	563109	48.05	ppm		97
96) Benzo[a]pyrene	12.721	252	559197	54.85	ppm		96
97) Indeno[1,2,3-cd]pyrene	13.825	276	677175	53.28	ppm		86
98) Dibenz[a,h]anthracene	13.837	278	531712	54.20	ppm		96
99) Benzo[g,h,i]perylene	14.095	276	546116	50.60	ppm		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66061.D
Acq On : 9 Aug 2013 9:56 am
Operator : KRISTINR
Sample : CC3031-50
Misc : OP34224,MSF3058,,,,1,1
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Aug 09 13:43:10 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23272

Accutest Laboratories of New England, Inc.

Instrument: GCMS F

GCMS Analysis Log - Extractables

Run Date: 07/01/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 ng/mL
MSS1625	AB8270 Cal. Stds.	50
MSS1560	AB8270 Cal. Stds	50
MSS1594/H	AB8270 Int. Std.	4000

Column Information: Front ZB-SMS.
Rear N/A
Sequence File: F130701.s
Quantitation Methods: DFTPPM
F130701_8270+M
Instrument Run Batches: MSF3031
Inj. Vol:
Data Acquisition Methods: F8270RAST.M
Inj. Vol: 1

ICAL verified:

Sequence verified: 7/1/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98	F65347	Blank				N/A	N/A	
99	8	DFTPP						
100	9	ICC3031-50	MSS1625		N/A			
1	F65350	IC3031-2						
2	1	-5						
3	2	-10						
4	3	-20						
5	4	-80						
6	5	-120						
7	6	-160						
98	7	Blank						
8	8	IC3031-5	MSS1560					
9	9	-10						
10	F65360	-20						
11	1	-50						
12	2	-80						
13	3	-120						
14	4	-160						
15	5	ICV3031-50	MSS1623					
								7/1/13 MR

MS002-04
Date: 8/29/06

Dilution Solvent: BTJ DCM Lot: D;556

Review:

ACCUTEST LABORATORIES MC23272

Accutest Laboratories of New England, Inc.

Instrument: GCMS F

GCMS Analysis Log - Extractables

Run Date: 08/09/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 µg/mL
MSS1625	AB8270 Cal. Std.	50/80
MSS1594J	↓ Int. Std.	40000

Column Information: Front ZB-5MSi

Rear N/A

Sequence File: P130809.S

Quantitation Methods: DFTPP.M

F130701.8270T.M

Instrument Run Batches: MSF3058

Inj. Vol:

Data Acquisition Methods: F8270FAST.M Inj. Vol: 1

ICAL verified:

Sequence verified: 8/12/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98 X	F0606058	Blank	N/A		N/A	N/A	N/A	
99 X	↓ 9	DFTPP						
100 X	F0606060	CC3031-80						TCL42
96 X	1	↓ -50	↓		↓			
1 X	2	OP34292-MB	OP34292		SOIL			
2 X	3	-BS				↓		
3 X	4	-MS				5X		
4 X	5	↓ -MSD				5X		
5 X	6	MC23133-1	↓		↓	5X		
19 X	7	OP34276-MB	OP34276		AQ	N/A		
20 X	8	↓ -BS						
21 X	↓ 9	MC23251-7						
22	F0606070	OP34276-MS						
23	1	-MSD						
24	2	↓ -TAP	↓		↓	↓		TAP#
6	3	MC23214-1	OP34292		SOIL	5X		
25	4	MC23158-1	OP34223		AQ	N/A		
7	5	JB42287-254	OP34292		SOIL	5X		
8	6	↓ -30U				5X		
9	7	MC23134-1				5X		
10	8	MC23228-1				N/A		
11	↓ 9	-2						
12	F0606080	↓ -3						
13	1	MC23272-1						
14	2	-3						
15	3	-4						
16	4	-5				↓		
17	5	↓ -6				5X		
18	↓ 6	MC23273-23	↓		↓	N/A		
98 X	F0606087-90	Blank	N/A		N/A	↓	↓	
								8/12/13 KR

MS002-04

Date: 8/29/06 Dilution Solvent: B+J DCM Lot: DI925 **Review:**

24

9.7.2

9

ACCUTEST LABORATORIES

Approximate Gram weight equals +/- 0.5g

Extracted by: MB
Spike Witness: BJ
Concentrated by: PA 8/8
Fractionated by:

Date/Time: 8/6/13 1100
Date/Time:
Batch: OP34292
Matrix: **Soil/Solid**; Sand Lot: B820PAH
Analysis Method: 8270SL, TCL42

Extraction Method: ASE #1 | ASE #2 | ASE #3 | ASE # 4 | Sonicate
Soxhlet: SW 3540C | SW 3545A | SW 3545A | SW3545A | SW3545A | SW3550B
Waste Dilution: SW3580 Micro: ~~SW 3546~~

	Sample	Bottle No.	ASE Position	Initial Weight (g)	Final Volume (ml)	**Cleanup/Comments (3660B, 3630, 3665, other)	Received by: Date:
1	OP34292 MB	NA		20.01	1.0		
2	BS	L		20.93			
3	mc23133-1 MS	2		20.35			
4	-1 MSD	2		20.54			
5	mc23214-1	2		20.40			
6	mc23133-1	2		20.12			
7	mc23134-1	2		20.48			
8	mc23228-1	1		20 26			
9	-2			20 46			
10	-3			20 17			
11	mc23272-1			20 85			
12	-3			20 09			
13	-4			20 34			
14	-5			20 50			
15	-6	L		20.17			
16	mc23273-23	1		20.66			
17	JB42287-25u	1		20.52			
18	-30u	1		20.24			
19							
20							
21					pH 8/8		
22							
23							
24							
25							

Fraction	Bottle #	Lot #	Concentration	Volume
Surrogate: ABN	1	6938	500 ug/mL	100uL
Surrogate:				
Spike: BN	1	6940	500 ug/mL	100 uL
Spike: acid	1	6933	500 ug/mL	100 uL
Spike: custom	3	6816	2000 ug/mL	25 uL
Spike: APG	1	6900	30 ug/mL	1.0 mL
Spike:				
Hexane Frac. Volume:	NA	NA	NA	
Soxhlet Start/Stop Date/Time:			Filter Paper Lot # 5741	

H2SO4 Lot #	
Ether:	
MeCl2:	DI 823
Hexane:	
MeCl2/Acetone:	
Acetone:	132442
Acetonitrile:	
Na Sulfate Lot #:	B772
Silica Lot #:	
SPE MFG/Lot #:	
Copper:	
Hydromatrix:	
Florisil:	
Sand Lot #:	

Balance ID: 8
Water Bath Temp: 40°c Water Bath ID: 21, 20
Laboratory Percent Humidity:

*Note volume of extract: N = Normal
L = Low

Reviewed by:

Tray #: LC-11

** Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup; 3620 = Florisil
**For Soxhlet extraction document date/time started and finished

OP001-16 (10/23/12)

New England ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- DDT/Endrin Breakdown Checks
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34308-MB	BE37674.D	1	08/15/13	NK	08/07/13	OP34308	GBE1960

The QC reported here applies to the following samples: **Method:** SW846 8081

MC23272-3

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	4.8	1.5	ug/kg	
319-84-6	alpha-BHC	ND	4.8	1.2	ug/kg	
319-85-7	beta-BHC	ND	4.8	1.6	ug/kg	
319-86-8	delta-BHC	ND	4.8	0.90	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	4.8	1.5	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.8	1.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.8	1.4	ug/kg	
60-57-1	Dieldrin	ND	4.8	1.5	ug/kg	
72-54-8	4,4'-DDD	ND	4.8	1.6	ug/kg	
72-55-9	4,4'-DDE	ND	4.8	2.0	ug/kg	
50-29-3	4,4'-DDT	ND	4.8	1.5	ug/kg	
72-20-8	Endrin	ND	4.8	1.9	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.8	1.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.8	1.5	ug/kg	
959-98-8	Endosulfan-I	ND	4.8	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	4.8	1.5	ug/kg	
76-44-8	Heptachlor	ND	4.8	1.4	ug/kg	
1024-57-3	Heptachlor epoxide	ND	4.8	1.5	ug/kg	
72-43-5	Methoxychlor	ND	4.8	1.9	ug/kg	
53494-70-5	Endrin ketone	ND	4.8	1.7	ug/kg	
8001-35-2	Toxaphene	ND	48	25	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	44%	30-150%
877-09-8	Tetrachloro-m-xylene	50%	30-150%
2051-24-3	Decachlorobiphenyl	39%	30-150%
2051-24-3	Decachlorobiphenyl	47%	30-150%

Method Blank Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34307-MB	BK27998.D	1	08/15/13	NK	08/07/13	OP34307	GBK953

The QC reported here applies to the following samples: **Method:** SW846 8082

MC23272-3

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	24	11	ug/kg	
11104-28-2	Aroclor 1221	ND	24	14	ug/kg	
11141-16-5	Aroclor 1232	ND	24	11	ug/kg	
53469-21-9	Aroclor 1242	ND	24	12	ug/kg	
12672-29-6	Aroclor 1248	ND	24	11	ug/kg	
11097-69-1	Aroclor 1254	ND	24	17	ug/kg	
11096-82-5	Aroclor 1260	ND	24	12	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	86%	30-150%
877-09-8	Tetrachloro-m-xylene	73%	30-150%
2051-24-3	Decachlorobiphenyl	91%	30-150%
2051-24-3	Decachlorobiphenyl	77%	30-150%

Blank Spike Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34308-BS	BE37675.D	1	08/15/13	NK	08/07/13	OP34308	GBE1960

The QC reported here applies to the following samples: **Method:** SW846 8081

MC23272-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	12.5	7.5	60	40-140
319-84-6	alpha-BHC	12.5	6.7	53	40-140
319-85-7	beta-BHC	12.5	7.5	60	40-140
319-86-8	delta-BHC	12.5	5.8	46	40-140
58-89-9	gamma-BHC (Lindane)	12.5	6.9	55	40-140
5103-71-9	alpha-Chlordane	12.5	7.4	59	40-140
5103-74-2	gamma-Chlordane	12.5	7.3	58	40-140
60-57-1	Dieldrin	12.5	7.3	58	40-140
72-54-8	4,4'-DDD	12.5	6.9	55	40-140
72-55-9	4,4'-DDE	12.5	7.2	57	40-140
50-29-3	4,4'-DDT	12.5	6.7	53	40-140
72-20-8	Endrin	12.5	7.8	62	40-140
1031-07-8	Endosulfan sulfate	12.5	6.3	50	40-140
7421-93-4	Endrin aldehyde	12.5	5.8	46	40-140
959-98-8	Endosulfan-I	12.5	7.2	57	40-140
33213-65-9	Endosulfan-II	12.5	6.8	54	40-140
76-44-8	Heptachlor	12.5	7.1	57	40-140
1024-57-3	Heptachlor epoxide	12.5	7.2	57	40-140
72-43-5	Methoxychlor	12.5	6.8	54	40-140
53494-70-5	Endrin ketone	12.5	6.5	52	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	52%	30-150%
877-09-8	Tetrachloro-m-xylene	60%	30-150%
2051-24-3	Decachlorobiphenyl	48%	30-150%
2051-24-3	Decachlorobiphenyl	60%	30-150%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34307-BS	BK27999.D	1	08/15/13	NK	08/07/13	OP34307	GBK953

The QC reported here applies to the following samples: **Method:** SW846 8082

MC23272-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	254	188	74	40-140
11104-28-2	Aroclor 1221		ND		40-140
11141-16-5	Aroclor 1232		ND		40-140
53469-21-9	Aroclor 1242		ND		40-140
12672-29-6	Aroclor 1248		ND		40-140
11097-69-1	Aroclor 1254		ND		40-140
11096-82-5	Aroclor 1260	254	199	78	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	70%	30-150%
877-09-8	Tetrachloro-m-xylene	63%	30-150%
2051-24-3	Decachlorobiphenyl	77%	30-150%
2051-24-3	Decachlorobiphenyl	66%	30-150%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34308-MS	BE37680.D	1	08/15/13	NK	08/07/13	OP34308	GBE1960
OP34308-MSD	BE37681.D	1	08/15/13	NK	08/07/13	OP34308	GBE1960
MC23272-3	BE37682.D	1	08/15/13	NK	08/07/13	OP34308	GBE1960

The QC reported here applies to the following samples: **Method:** SW846 8081

MC23272-3

CAS No.	Compound	MC23272-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		44	26.5	60	22.3	52	17	30-150/30
319-84-6	alpha-BHC	ND		44	21.5	49	22.2	52	3	30-150/30
319-85-7	beta-BHC	ND		44	19.8	45	19.4	45	2	30-150/30
319-86-8	delta-BHC	ND		44	17.9	41	17.6	41	2	30-150/30
58-89-9	gamma-BHC (Lindane)	ND		44	22.1	50	21.6	50	2	30-150/30
5103-71-9	alpha-Chlordane	ND		44	22.0	50	21.0	49	5	30-150/30
5103-74-2	gamma-Chlordane	ND		44	20.5	47	19.9	46	3	30-150/30
60-57-1	Dieldrin	ND		44	21.9	50	21.7	50	1	30-150/30
72-54-8	4,4'-DDD	ND		44	23.1	53	21.2	49	9	30-150/30
72-55-9	4,4'-DDE	ND		44	18.9	43	18.8	44	1	30-150/30
50-29-3	4,4'-DDT	ND		44	24.0	55	23.6	55	2	30-150/30
72-20-8	Endrin	ND		44	25.0	57	22.8	53	9	30-150/30
1031-07-8	Endosulfan sulfate	ND		44	24.9	57	17.4	40	35* [a]	30-150/30
7421-93-4	Endrin aldehyde	ND		44	22.7	52	22.5	52	1	30-150/30
959-98-8	Endosulfan-I	ND		44	21.7	49	20.7	48	5	30-150/30
33213-65-9	Endosulfan-II	ND		44	21.9	50	20.8	48	5	30-150/30
76-44-8	Heptachlor	ND		44	24.5	56	22.9	53	7	30-150/30
1024-57-3	Heptachlor epoxide	ND		44	21.5	49	21.4	50	0	30-150/30
72-43-5	Methoxychlor	ND		44	28.8	65	29.1	68	1	30-150/30
53494-70-5	Endrin ketone	ND		44	22.9	52	22.5	52	2	30-150/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23272-3	Limits
877-09-8	Tetrachloro-m-xylene	50%	50%	48%	30-150%
877-09-8	Tetrachloro-m-xylene	54%	54%	54%	30-150%
2051-24-3	Decachlorobiphenyl	46%	47%	46%	30-150%
2051-24-3	Decachlorobiphenyl	56%	57%	55%	30-150%

(a) Outside control limits due to possible matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34307-MS	BK28000.D	1	08/15/13	NK	08/07/13	OP34307	GBK953
OP34307-MSD	BK28001.D	1	08/16/13	NK	08/07/13	OP34307	GBK953
MC23272-3	BK28002.D	1	08/16/13	NK	08/07/13	OP34307	GBK953

The QC reported here applies to the following samples: **Method:** SW846 8082

MC23272-3

CAS No.	Compound	MC23272-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		879	563	64	647	73	14	40-140/50
11104-28-2	Aroclor 1221	ND			ND		ND		nc	40-140/50
11141-16-5	Aroclor 1232	ND			ND		ND		nc	40-140/50
53469-21-9	Aroclor 1242	ND			ND		ND		nc	40-140/50
12672-29-6	Aroclor 1248	ND			ND		ND		nc	40-140/50
11097-69-1	Aroclor 1254	ND			ND		ND		nc	40-140/50
11096-82-5	Aroclor 1260	ND		879	694	79	694	78	0	40-140/50

CAS No.	Surrogate Recoveries	MS	MSD	MC23272-3	Limits
877-09-8	Tetrachloro-m-xylene	80%	78%	82%	30-150%
877-09-8	Tetrachloro-m-xylene	67%	66%	70%	30-150%
2051-24-3	Decachlorobiphenyl	84%	84%	88%	30-150%
2051-24-3	Decachlorobiphenyl	69%	69%	73%	30-150%

* = Outside of Control Limits.

DDT/Endrin Breakdown Check

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: GBE1943-DDT
Lab File ID: BE37409.D
Instrument ID: GCBE
Injection Date: 07/08/13
Injection Time: 13:48

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	5269705	4952737
4,4'-DDE	1224015	1163491
4,4'-DDT	626343888	320785725
DDT Breakdown [a]	1 %	1.9 %
Endrin aldehyde	2803570	1211531
Endrin ketone	8891050	6330897
Endrin	342822641	188437186
Endrin Breakdown [b]	3.3 %	3.8 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
GBE1943-IC1943	BE37410.D	07/08/13	14:09	00:21	Initial cal 1000
GBE1943-IC1943	BE37411.D	07/08/13	14:33	00:45	Initial cal 500
GBE1943-IC1943	BE37412.D	07/08/13	14:54	01:07	Initial cal 500
GBE1943-IC1943	BE37413.D	07/08/13	15:16	01:28	Initial cal 500
GBE1943-IC1943	BE37414.D	07/08/13	15:37	01:50	Initial cal 250
GBE1943-ICC1943	BE37415.D	07/08/13	15:59	02:11	Initial cal 100
GBE1943-IC1943	BE37416.D	07/08/13	16:19	02:32	Initial cal 50
GBE1943-IC1943	BE37417.D	07/08/13	16:41	02:53	Initial cal 10
GBE1943-IC1943	BE37418.D	07/08/13	17:03	03:15	Initial cal 5
GBE1943-ICV1943	BE37419.D	07/08/13	17:23	03:36	Initial cal verification 100
ZZZZZZ	BE37420.D	07/08/13	17:45	03:57	(unrelated sample)
OP33919-MB	BE37421.D	07/08/13	18:06	04:19	Method Blank
OP33919-BS	BE37422.D	07/08/13	18:28	04:40	Blank Spike
OP33919-BS1	BE37423.D	07/08/13	18:49	05:01	Blank Spike
OP33919-MS	BE37424.D	07/08/13	19:10	05:22	Matrix Spike
OP33919-MSD	BE37425.D	07/08/13	19:31	05:44	Matrix Spike Duplicate
MC22548-7	BE37426.D	07/08/13	19:53	06:05	(used for QC only; not part of job MC23272)
ZZZZZZ	BE37427.D	07/08/13	20:14	06:26	(unrelated sample)
OP33922-MB	BE37428.D	07/08/13	20:35	06:47	Method Blank
OP33922-BS	BE37429.D	07/08/13	20:56	07:09	Blank Spike
GBE1943-CC1943	BE37430.D	07/08/13	21:18	07:30	Continuing cal 100

DDT/Endrin Breakdown Check

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: GBE1960-DDT
Lab File ID: BE37667.D
Instrument ID: GCBE
Injection Date: 08/15/13
Injection Time: 12:43

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	7093424	7334923
4,4'-DDE	2154319	1821341
4,4'-DDT	627302049	366126608
DDT Breakdown [a]	1.5 %	2.4 %
Endrin aldehyde	2471161	2036655
Endrin ketone	10478277	8731578
Endrin	353585274	213981009
Endrin Breakdown [b]	3.5 %	4.8 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
GBE1960-CC1943	BE37668.D	08/15/13	13:04	00:21	Continuing cal 100
OP34388-MB	BE37669.D	08/15/13	13:52	01:09	Method Blank
OP34388-LB	BE37669A.D	08/15/13	13:52	01:09	Leachate Blank
OP34388-BS	BE37670.D	08/15/13	14:13	01:30	Blank Spike
OP34388-MS	BE37671.D	08/15/13	14:35	01:52	Matrix Spike
OP34388-MSD	BE37672.D	08/15/13	14:55	02:12	Matrix Spike Duplicate
MC23415-1A	BE37673.D	08/15/13	15:16	02:33	(used for QC only; not part of job MC23272)
OP34308-MB	BE37674.D	08/15/13	15:38	02:55	Method Blank
OP34308-BS	BE37675.D	08/15/13	15:58	03:15	Blank Spike
ZZZZZZ	BE37676.D	08/15/13	16:20	03:37	(unrelated sample)
ZZZZZZ	BE37677.D	08/15/13	16:41	03:58	(unrelated sample)
GBE1960-CC1943	BE37678.D	08/15/13	17:03	04:20	Continuing cal 100

DDT/Endrin Breakdown Check

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: GBE1960-DDT
Lab File ID: BE37679.D
Instrument ID: GCBE
Injection Date: 08/15/13
Injection Time: 17:24

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	7763798	6808694
4,4'-DDE	865362	881464
4,4'-DDT	716898608	420253852
DDT Breakdown [a]	1.2 %	1.8 %
Endrin aldehyde	3170090	2948231
Endrin ketone	11021408	7978126
Endrin	392767944	239791438
Endrin Breakdown [b]	3.5 %	4.4 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP34308-MS	BE37680.D	08/15/13	17:45	00:21	Matrix Spike
OP34308-MSD	BE37681.D	08/15/13	18:07	00:42	Matrix Spike Duplicate
MC23272-3	BE37682.D	08/15/13	18:28	01:04	SB-241/0.5-2'
GBE1960-ECC1943	BE37683.D	08/15/13	18:50	01:25	Ending cal 100

Semivolatile Surrogate Recovery Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Method: SW846 8081 **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
MC23272-3	BE37682.D	48.0	54.0	46.0	55.0
OP34308-BS	BE37675.D	52.0	60.0	48.0	60.0
OP34308-MB	BE37674.D	44.0	50.0	39.0	47.0
OP34308-MS	BE37680.D	50.0	54.0	46.0	56.0
OP34308-MSD	BE37681.D	50.0	54.0	47.0	57.0

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	30-150%
S2 = Decachlorobiphenyl	30-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

Semivolatile Surrogate Recovery Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Method: SW846 8082 **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
MC23272-3	BK28002.D	82.0	70.0	88.0	73.0
OP34307-BS	BK27999.D	70.0	63.0	77.0	66.0
OP34307-MB	BK27998.D	86.0	73.0	91.0	77.0
OP34307-MS	BK28000.D	80.0	67.0	84.0	69.0
OP34307-MSD	BK28001.D	78.0	66.0	84.0	69.0

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	30-150%
S2 = Decachlorobiphenyl	30-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	GBE1960-CC1943	**Injection Date:**	08/15/13
Lab File ID:	BE37668.D	**Injection Time:**	13:04
Instrument ID:	GCBE	**Method:**	SW846 8081

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.63	3.60	11.38	11.80

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP34388-MB	BE37669.D	08/15/13	13:52	3.65	3.60	11.39	11.80
OP34388-LB	BE37669A.D	08/15/13	13:52	3.65	3.60	11.39	11.80
OP34388-BS	BE37670.D	08/15/13	14:13	3.64	3.60	11.38	11.80
OP34388-MS	BE37671.D	08/15/13	14:35	3.64	3.60	11.38	11.80
OP34388-MSD	BE37672.D	08/15/13	14:55	3.63	3.60	11.38	11.80
MC23415-1A	BE37673.D	08/15/13	15:16	3.63	3.60	11.38	11.80
OP34308-MB	BE37674.D	08/15/13	15:38	3.64	3.60	11.38	11.80
OP34308-BS	BE37675.D	08/15/13	15:58	3.63	3.60	11.38	11.80
ZZZZZZ	BE37676.D	08/15/13	16:20	3.64	3.60	11.38	11.80
ZZZZZZ	BE37677.D	08/15/13	16:41	3.64	3.60	11.38	11.80

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	GBE1960-CC1943	**Injection Date:**	08/15/13
Lab File ID:	BE37678.D	**Injection Time:**	17:03
Instrument ID:	GCBE	**Method:**	SW846 8081

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.64	3.60	11.38	11.80

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP34308-MS	BE37680.D	08/15/13	17:45	3.64	3.60	11.38	11.80
OP34308-MSD	BE37681.D	08/15/13	18:07	3.64	3.60	11.38	11.80
MC23272-3	BE37682.D	08/15/13	18:28	3.64	3.60	11.38	11.80
GBE1960-ECC1943	BE37683.D	08/15/13	18:50	3.64	3.60	11.38	11.80

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	GBK953-CC949	**Injection Date:**	08/15/13
Lab File ID:	BK27997A.D	**Injection Time:**	22:48
Instrument ID:	GCBK	**Method:**	SW846 8082

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.40	2.37	9.24	9.88

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP34307-MB	BK27998.D	08/15/13	23:07	2.40	2.37	9.24	9.88
OP34307-BS	BK27999.D	08/15/13	23:26	2.40	2.37	9.24	9.88
OP34307-MS	BK28000.D	08/15/13	23:45	2.40	2.37	9.24	9.88
OP34307-MSD	BK28001.D	08/16/13	00:04	2.40	2.37	9.24	9.88
MC23272-3	BK28002.D	08/16/13	00:23	2.40	2.37	9.24	9.88
ZZZZZZ	BK28004.D	08/16/13	01:01	2.40	2.37	9.24	9.88
ZZZZZZ	BK28005.D	08/16/13	01:20	2.40	2.37	9.24	9.88
OP34377-MB	BK28006.D	08/16/13	01:39	2.40	2.37	9.24	9.88
OP34377-BS	BK28007.D	08/16/13	01:58	2.40	2.37	9.24	9.88

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: MC23272 **Sample:** GBE1943-ICC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37415.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report GCBE

Method : C:\msdchem\1\methods\PT130815.M (ChemStation Integrator)
Title : P608PEST/RtX-cl-pest1/RTX -clpest2
Last Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration

Calibration Files
1 =BE37413.d 2 =BE37414.d 3 =be37668.d 4 =BE37416.d
5 =BE37417.d 6 =BE37418.d 7 =BE37410.d 8 =BE37411.d
9 =BE37412.d =

Compound	1	2	3	4	5	6	7	8	9	Avg	%RSD
1) TCMX	2.904	2.800	3.034	2.862	3.077	2.258	2.940	2.882	3.171	2.881 E6	9.06
2) Hexachlorobenzene	3.979	4.021	4.561	3.977	4.418	4.864				4.303 E6	8.60
3) Alpha-BHC	4.687	4.686	5.233	4.408	4.459	4.787				4.710 E6	6.26
4) Gamma-BHC	4.129	4.133	4.706	4.008	4.071	4.401				4.241 E6	6.23
5) Beta-BHC	1.637	1.636	1.904	1.678	1.772	1.956				1.764 E6	7.89
6) Heptachlor	3.141	3.414	4.170	3.826	3.962	4.382				3.816 E6	12.21

----- Quadratic regression ----- Coefficient = 0.9980
Response Ratio = 1402934.85400 + 4011921.72720 *A + -1801.12895 *A^2

7) Delta-BHC	3.993	4.017	4.561	4.070	3.985	4.375				4.167 E6	5.81
8) Alachlor	2.271	2.323	2.794	2.625	3.429	4.056				2.916 E5	23.91

----- Quadratic regression ----- Coefficient = 0.9981
Response Ratio = 8037158.83413 + 256782.13474 *A + -6.65293 *A^2

9) Aldrin	3.351	3.547	4.185	3.687	3.736	4.197				3.784 E6	9.06
10) Heptachlor Epoxide	2.567	2.774	3.459	3.083	3.274	3.678				3.139 E6	13.33

----- Quadratic regression ----- Coefficient = 0.9973
Response Ratio = 1569583.04736 + 3275735.00786 *A + -1472.37707 *A^2

11) Gamma-Chlordane	3.249	3.257	3.804	3.230	3.497	3.716				3.459 E6	7.36
12) Alpha-Chlordane	3.064	3.054	3.505	3.066	2.914	3.214				3.136 E6	6.51
13) Endosulfan-I	2.458	2.616	3.206	2.840	2.998	3.342				2.910 E6	11.68

----- Quadratic regression ----- Coefficient = 0.9975
Response Ratio = 1099335.82576 + 3029820.59318 *A + -1188.13352 *A^2

14) 4,4'-DDE	2.693	2.790	3.278	2.645	2.775	3.069				2.875 E6	8.56
15) Dieldrin	2.723	2.837	3.430	3.001	3.039	3.548				3.096 E6	10.55

----- Quadratic regression ----- Coefficient = 0.9975
Response Ratio = 667600.56452 + 3215842.21392 *A + -1028.58716 *A^2

Initial Calibration Summary

Job Number: MC23272 **Sample:** GBE1943-ICC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37415.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

16) Endrin
2.378 2.501 3.054 2.734 2.700 2.967 2.723 E6 9.55
17) 4,4'-DDD
2.168 2.233 2.596 2.157 1.999 2.254 2.235 E6 8.88
18) Endosulfan-II
2.146 2.270 2.670 2.391 2.454 2.818 2.458 E6 10.15
----- Quadratic regression ----- Coefficient = 0.9984
Response Ratio = 643999.00552 + 2548999.05290 *A + -831.68821 *A^2

19) 4,4'-DDT
2.390 2.425 2.864 2.172 2.235 2.588 2.446 E6 10.31
----- Quadratic regression ----- Coefficient = 0.9960
Response Ratio = -1665448.71492 + 2605886.20208 *A + -439.86028 *A^2

20) Endrin Aldehyde
1.713 1.772 2.171 1.814 2.032 2.298 1.967 E6 12.06
----- Quadratic regression ----- Coefficient = 0.9967
Response Ratio = 1109369.75697 + 1995106.63061 *A + -594.28770 *A^2

21) Endosulfan Sulfate
1.918 1.973 2.409 1.967 2.114 2.514 2.149 E6 11.77
----- Quadratic regression ----- Coefficient = 0.9964
Response Ratio = 678326.08278 + 2202173.96326 *A + -597.08047 *A^2

22) Methoxychlor
0.991 1.015 1.266 0.983 1.033 1.246 1.089 E6 12.00
----- Quadratic regression ----- Coefficient = 0.9950
Response Ratio = -74830.62184 + 1141028.10890 *A + -314.53388 *A^2

23) Endrin Ketone
2.190 2.234 2.706 2.230 2.465 2.779 2.434 E6 10.63
----- Quadratic regression ----- Coefficient = 0.9968
Response Ratio = 902616.97404 + 2475478.32466 *A + -603.49182 *A^2

24) Chlordane-A
1.217 1.198 1.207 E5 1.07
25) Chlordane-B
2.026 2.021 2.024 E5 0.16
26) Chlordane-C
1.160 1.160 1.160 E6 0.03
27) Toxaphene-A
2.021 2.029 2.025 E5 0.27
28) Toxaphene-B
2.087 2.076 2.082 E5 0.37
29) Toxaphene-C
2.274 2.319 2.297 E5 1.40
30) AR1016-A
4.998 4.998 E4 0.00
31) AR1016-B
1.112 1.112 E5 0.00
32) AR1016-C
2.255 2.255 E5 0.00
33) AR1260-A
1.301 1.301 E5 0.00
34) AR1260-B
2.450 2.450 E5 0.00
35) AR1260-C
4.325 4.325 E5 0.00
36) AR1260-D
3.204 3.204 E5 0.00

Initial Calibration Summary

Job Number: MC23272 **Sample:** GBE1943-ICC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37415.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
 37)  AR1260-E
                                                          2.826   2.826 E5    0.00
 38)  DCB
           1.792 1.855 2.007 1.816 1.981 1.677 2.197 2.208 1.988   1.947 E6    9.26

Signal #2

  1)  TCMX
           1.857 1.784 1.958 1.875 2.088 1.680 1.832 1.889 1.959   1.880 E6    6.18
  2)  Hexachlorobenzene
           2.354 2.351 2.731 2.503 2.951 3.427                     2.719 E6   15.34
          ----- Quadratic regression -----               Coefficient =  0.9985
              Response Ratio = 4563898.90729 + 2523079.33966 *A + -388.28527 *A^2

  3)  Alpha-BHC
           2.926 2.835 3.214 2.852 3.251 3.796                     3.145 E6   11.64
          ----- Quadratic regression -----               Coefficient =  0.9985
              Response Ratio = 3966264.41319 + 2932775.83883 *A + -61.90428 *A^2

  4)  Gamma-BHC
           2.522 2.504 2.912 2.589 2.990 3.522                     2.840 E6   13.81
          ----- Quadratic regression -----               Coefficient =  0.9983
              Response Ratio = 3962199.90014 + 2670508.11518 *A + -344.87841 *A^2

  5)  Beta-BHC
           0.963 0.983 1.191 1.075 1.263 1.495                     1.162 E6   17.28
          ----- Quadratic regression -----               Coefficient =  0.9977
              Response Ratio = 1961583.11495 + 1096230.08133 *A + -291.84761 *A^2

  6)  Heptachlor
           1.809 1.956 2.438 2.278 2.819 3.346                     2.441 E6   23.34
          ----- Quadratic regression -----               Coefficient =  0.9977
              Response Ratio = 5516160.48813 + 2286269.93108 *A + -1011.21164 *A^2

  7)  Delta-BHC
           2.430 2.404 2.828 2.472 2.953 3.477                     2.761 E6   15.16
          ----- Quadratic regression -----               Coefficient =  0.9979
              Response Ratio = 4351833.05276 + 2566050.75398 *A + -322.40344 *A^2

  8)  Alachlor
           0.987 1.130 1.575 1.689 2.562 3.129                     1.845 E5   45.40
          ----- Quadratic regression -----               Coefficient =  0.9939
              Response Ratio = 9708136.16944 + 145780.18165 *A + -10.24415 *A^2

  9)  Aldrin
           1.905 2.019 2.450 2.303 2.753 3.174                     2.434 E6   19.43
          ----- Quadratic regression -----               Coefficient =  0.9982
              Response Ratio = 4562258.88304 + 2309691.17286 *A + -861.15122 *A^2

 10)  Heptachlor Epoxide
           1.435 1.574 1.956 1.878 2.087 2.393                     1.887 E6   18.41
          ----- Quadratic regression -----               Coefficient =  0.9979
              Response Ratio = 2668269.59655 + 1879637.64194 *A + -931.56520 *A^2

 11)  Gamma-Chlordane
           1.768 1.777 2.131 1.967 2.393 2.855                     2.148 E6   19.47
          ----- Quadratic regression -----               Coefficient =  0.9980
              Response Ratio = 4648781.23364 + 1951858.86077 *A + -418.50838 *A^2

 12)  Alpha-Chlordane
```

```
          1.652 1.664 1.998 1.832 2.247 2.634                    2.005 E6   19.00
         ----- Quadratic regression -----               Coefficient =  0.9979
             Response Ratio = 4208762.28721 + 1830324.67424 *A + -402.79433 *A^2

13)  Endosulfan-I
          1.301 1.435 1.830 1.736 1.988 2.446                    1.790 E6   22.90
         ----- Quadratic regression -----               Coefficient =  0.9972
             Response Ratio = 3487112.52306 + 1732655.54636 *A + -907.61227 *A^2

14)  4,4'-DDE
          1.517 1.587 1.935 1.691 2.033 2.379                    1.857 E6   17.45
         ----- Quadratic regression -----               Coefficient =  0.9974
             Response Ratio = 2811436.83482 + 1786756.05819 *A + -572.61298 *A^2

15)  Dieldrin
          1.486 1.608 2.012 1.883 2.307 2.826                    2.020 E6   24.30
         ----- Quadratic regression -----               Coefficient =  0.9976
             Response Ratio = 4744292.25423 + 1883183.28539 *A + -843.14715 *A^2

16)  Endrin
          1.256 1.377 1.761 1.622 1.893 2.397                    1.718 E6   23.75
         ----- Quadratic regression -----               Coefficient =  0.9969
             Response Ratio = 3508974.07464 + 1646369.49131 *A + -821.36514 *A^2

17)  4,4'-DDD
          1.157 1.222 1.532 1.321 1.515 1.828                    1.429 E6   17.31
         ----- Quadratic regression -----               Coefficient =  0.9966
             Response Ratio = 1792077.61759 + 1410202.00434 *A + -534.06256 *A^2

18)  Endosulfan-II
          1.177 1.289 1.634 1.500 1.805 2.131                    1.589 E6   21.97
         ----- Quadratic regression -----               Coefficient =  0.9972
             Response Ratio = 3032935.93819 + 1533573.13394 *A + -748.99897 *A^2

19)  4,4'-DDT
          1.244 1.289 1.577 1.344 1.626 1.924                    1.501 E6   17.27
         ----- Quadratic regression -----               Coefficient =  0.9970
             Response Ratio = 2210085.05606 + 1440939.39952 *A + -420.67067 *A^2

20)  Endrin Aldehyde
          0.890 0.987 1.295 1.165 1.347 1.696                    1.230 E6   23.37
         ----- Quadratic regression -----               Coefficient =  0.9960
             Response Ratio = 2236694.10119 + 1205577.57376 *A + -661.13587 *A^2

21)  Endosulfan Sulfate
          1.023 1.123 1.442 1.317 1.636 1.997                    1.423 E6   25.10
         ----- Quadratic regression -----               Coefficient =  0.9968
             Response Ratio = 3284292.75217 + 1341922.35818 *A + -674.30608 *A^2

22)  Methoxychlor
          4.893 5.391 7.133 5.968 6.658 8.059                    6.350 E5   18.38
         ----- Quadratic regression -----               Coefficient =  0.9947
             Response Ratio = 550444.23012 + 657498.41407 *A + -349.48585 *A^2

23)  Endrin Ketone
          1.120 1.221 1.562 1.417 1.697 2.022                    1.507 E6   21.91
         ----- Quadratic regression -----               Coefficient =  0.9968
             Response Ratio = 2810247.02995 + 1457860.40043 *A + -712.04783 *A^2

24)  Chlordane-A
```

Initial Calibration Summary

Job Number: MC23272 **Sample:** GBE1943-ICC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37415.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
                                        7.045 7.511         7.278 E4    4.53
25)  Chlordane-B
                                        1.207 1.280         1.243 E5    4.12
26)  Chlordane-C
                                        6.278 6.787         6.532 E5    5.50
27)  Toxaphene-A
                                        1.138 1.197         1.167 E5    3.56
28)  Toxaphene-B
                                        1.087 1.177         1.132 E5    5.58
29)  Toxaphene-C
                                        1.354 1.410         1.382 E5    2.87
30)  AR1016-A
                                                    3.443   3.443 E4    0.00
31)  AR1016-B
                                                    7.213   7.213 E4    0.00
32)  AR1016-C
                                                    1.389   1.389 E5    0.00
33)  AR1260-A
                                                    7.516   7.516 E4    0.00
34)  AR1260-B
                                                    9.102   9.102 E4    0.00
35)  AR1260-C
                                                    2.388   2.388 E5    0.00
36)  AR1260-D
                                                    1.625   1.625 E5    0.00
37)  AR1260-E
                                                    1.608   1.608 E5    0.00
38)  DCB
          0.961 0.993 1.095 0.997 1.140 0.946 0.993 1.019 1.068   1.024 E6    6.29
---------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          PT130815.M        Thu Aug 15 13:39:00 2013   ED
```

10.7.1 10

Initial Calibration Verification

Job Number: MC23272 **Sample:** GBE1943-ICV1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37419.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\BE...8A\BE37419.d\ECD1A.CH Vial: 85
Signal #2 : C:\msdchem\1\data\BE130708A\BE37419.d\ECD2B.CH
Acq On : 08-Jul-13, 17:23:45 Operator: andrip
Sample : icv1943-100,pest Inst : GCBE
Misc : op33919,gbe1943,1000,,,5,,w Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\msdchem\1\methods\PT130708A.M (ChemStation Integrator)
Title : P608PEST/RtX-cl-pest1/RTX -clpest2
Last Update : Tue Jul 09 07:53:14 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 80% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 120%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 s	TCMX	2.881	3.058 E6	-6.1	101	0.00	3.61- 3.67
2	Hexachlorobenzene	4.303	4.571 E6	-6.2	100	0.00	4.21- 4.27
3	Alpha-BHC	4.710	5.242 E6	-11.3	100	0.00	4.47- 4.53
4	Gamma-BHC	4.241	4.699 E6	-10.8	100	0.00	4.95- 5.01
5	Beta-BHC	1.764	1.902 E6	-7.8	100	0.00	5.08- 5.14
		True	Calc.	% Drift			
6	Heptachlor	100.000	109.395	-9.4	100	0.00	5.66- 5.72
		AvgRF	CCRF	% Dev			
7	Delta-BHC	4.167	4.562 E6	-9.5	100	0.00	5.35- 5.41
		True	Calc.	% Drift			
8	Alachlor	1000.000	1085.626	-8.6	100	0.00	6.33- 6.39
		AvgRF	CCRF	% Dev			
9	Aldrin	3.784	4.198 E6	-10.9	100	0.00	6.10- 6.16
		True	Calc.	% Drift			
10	Heptachlor Epoxide	100.000	110.078	-10.1	100	0.00	6.97- 7.03
		AvgRF	CCRF	% Dev			
11	Gamma-Chlordane	3.459	3.821 E6	-10.5	100	0.00	7.15- 7.21
12	Alpha-Chlordane	3.136	3.588 E6	-14.4	102	0.00	7.33- 7.39
		True	Calc.	% Drift			
13	Endosulfan-I	100.000	113.917	-13.9	103	0.00	7.52- 7.58
		AvgRF	CCRF	% Dev			
14	4,4'-DDE	2.875	3.296 E6	-14.6	101	0.00	7.45- 7.51
		True	Calc.	% Drift			
15	Dieldrin	100.000	110.337	-10.3	100	0.00	7.85- 7.91
		AvgRF	CCRF	% Dev			
16	Endrin	2.723	3.035 E6	-11.5	99	0.00	8.17- 8.23
17	4,4'-DDD	2.235	2.519 E6	-12.7	97	0.00	8.27- 8.33
		True	Calc.	% Drift			
18	Endosulfan-II	100.000	108.113	-8.1	100	0.00	8.47- 8.53
19	4,4'-DDT	100.000	111.193	-11.2	99	0.00	8.65- 8.71

Initial Calibration Verification

Job Number: MC23272 **Sample:** GBE1943-ICV1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37419.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

20		Endrin Aldehyde	100.000	109.523	-9.5	98	0.00	9.04- 9.10
21		Endosulfan Sulfate	100.000	110.011	-10.0	98	0.00	9.63- 9.69
22		Methoxychlor	100.000	110.120	-10.1	96	0.00	9.30- 9.36
23		Endrin Ketone	100.000	111.472	-11.5	100	0.00	10.01-10.07
			AvgRF	CCRF	% Dev			
24		Chlordane-A			NA			
25		Chlordane-B			NA			
26		Chlordane-C			NA			
27		Toxaphene-A			NA			
28		Toxaphene-B			NA			
29		Toxaphene-C			NA			
30		AR1016-A			NA			
31		AR1016-B			NA			
32		AR1016-C			NA			
33		AR1260-A			NA			
34		AR1260-B			NA			
35		AR1260-C			NA			
36		AR1260-D			NA			
37		AR1260-E			NA			
38	s	DCB	1.947	2.035 E6	-4.5	101	0.00	11.34-11.41

***** Signal #2 *****

1	s	TCMX	1.880	1.983 E6	-5.5	101	0.00	3.57- 3.63
			True	Calc.	% Drift			
2		Hexachlorobenzene	100.000	110.198	-10.2	102	0.00	4.29- 4.35
3		Alpha-BHC	100.000	109.995	-10.0	101	0.00	4.51- 4.57
4		Gamma-BHC	100.000	110.436	-10.4	101	0.00	5.06- 5.12
5		Beta-BHC	100.000	111.390	-11.4	101	0.00	5.19- 5.25
6		Heptachlor	100.000	111.488	-11.5	102	0.00	5.70- 5.76
7		Delta-BHC	100.000	110.780	-10.8	101	0.00	5.62- 5.68
8		Alachlor	1000.000	1106.317	-10.6	101	0.00	6.05- 6.11
9		Aldrin	100.000	109.628	-9.6	101	0.00	6.16- 6.22
10		Heptachlor Epoxide	100.000	111.412	-11.4	103	0.00	6.98- 7.04
11		Gamma-Chlordane	100.000	110.910	-10.9	101	0.00	7.24- 7.30
12		Alpha-Chlordane	100.000	111.558	-11.6	102	0.00	7.44- 7.50
13		Endosulfan-I	100.000	111.138	-11.1	101	0.00	7.52- 7.58
14		4,4'-DDE	100.000	111.093	-11.1	100	0.00	7.69- 7.75
15		Dieldrin	100.000	111.299	-11.3	101	0.00	7.89- 7.95
16		Endrin	100.000	110.390	-10.4	100	0.00	8.31- 8.37
17		4,4'-DDD	100.000	108.916	-8.9	97	0.00	8.48- 8.54
18		Endosulfan-II	100.000	109.965	-10.0	100	0.00	8.60- 8.66
19		4,4'-DDT	100.000	112.313	-12.3	101	0.00	8.90- 8.96
20		Endrin Aldehyde	100.000	112.721	-12.7	100	0.00	9.06- 9.12
21		Endosulfan Sulfate	100.000	112.474	-12.5	101	0.00	9.43- 9.49
22		Methoxychlor	100.000	112.727	-12.7	98	0.00	9.84- 9.90
23		Endrin Ketone	100.000	111.921	-11.9	101	0.00	10.14-10.20
			AvgRF	CCRF	% Dev			
24		Chlordane-A			NA			
25		Chlordane-B			NA			
26		Chlordane-C			NA			
27		Toxaphene-A			NA			
28		Toxaphene-B			NA			
29		Toxaphene-C			NA			
30		AR1016-A			NA			
31		AR1016-B			NA			
32		AR1016-C			NA			

Initial Calibration Verification

Job Number: MC23272 **Sample:** GBE1943-ICV1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37419.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
33     AR1260-A                              ----------NA----------
34     AR1260-B                              ----------NA----------
35     AR1260-C                              ----------NA----------
36     AR1260-D                              ----------NA----------
37     AR1260-E                              ----------NA----------
38 s   DCB                      1023.554 1110.955 E3  -8.5  101   0.00   11.77-11.83
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    BE37415.d  PT130708A.M       Tue Jul 09 08:49:09 2013   ED
```

Continuing Calibration Summary

Job Number: MC23272 **Sample:** GBE1960-CC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37668.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\BE...15\be37668.d\ECD1A.CH Vial: 96
Signal #2 : C:\msdchem\1\data\BE130815\be37668.d\ECD2B.CH
Acq On    : 15-Aug-13, 13:04:55                    Operator: nickk
Sample    : cc1943-100,pest                        Inst    : GCBE
Misc      : op34388,gbe1960,100,,,5,,w             Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\methods\PT130815.M (ChemStation Integrator)
Title        : P608PEST/RtX-cl-pest1/RTX -clpest2
Last Update  : Thu Aug 15 13:38:44 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  80%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 120%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 s	TCMX	2.881	2.720 E6	5.6	90	0.00	3.60- 3.66
2	Hexachlorobenzene	4.303	4.171 E6	3.1	91	0.00	4.21- 4.27
3	Alpha-BHC	4.710	4.799 E6	-1.9	92	0.00	4.46- 4.52
4	Gamma-BHC	4.241	4.162 E6	1.9	88	0.00	4.95- 5.01
5	Beta-BHC	1.764	1.685 E6	4.5	89	0.00	5.08- 5.14
	---------- True	Calc.	% Drift	----------			
6	Heptachlor	100.000	95.633	4.4	88	0.00	5.66- 5.72
	---------- AvgRF	CCRF	% Dev	----------			
7	Delta-BHC	4.167	4.096 E6	1.7	90	0.00	5.34- 5.40
	---------- True	Calc.	% Drift	----------			
8	Alachlor	1000.000	924.725	7.5	86	0.00	6.32- 6.38
	---------- AvgRF	CCRF	% Dev	----------			
9	Aldrin	3.784	3.765 E6	0.5	90	0.00	6.10- 6.16
	---------- True	Calc.	% Drift	----------			
10	Heptachlor Epoxide	100.000	97.462	2.5	89	0.00	6.97- 7.03
	---------- AvgRF	CCRF	% Dev	----------			
11	Gamma-Chlordane	3.459	3.445 E6	0.4	91	0.00	7.14- 7.20
12	Alpha-Chlordane	3.136	2.944 E6	6.1	84	0.00	7.33- 7.39
	---------- True	Calc.	% Drift	----------			
13	Endosulfan-I	100.000	101.126	-1.1	92	0.00	7.52- 7.58
	---------- AvgRF	CCRF	% Dev	----------			
14	4,4'-DDE	2.875	2.905 E6	-1.0	89	0.00	7.45- 7.51
	---------- True	Calc.	% Drift	----------			
15	Dieldrin	100.000	99.838	0.2	91	0.00	7.85- 7.91
	---------- AvgRF	CCRF	% Dev	----------			
16	Endrin	2.723	2.751 E6	-1.0	90	0.00	8.17- 8.23
17	4,4'-DDD	2.235	2.283 E6	-2.1	88	0.00	8.27- 8.33
	---------- True	Calc.	% Drift	----------			
18	Endosulfan-II	100.000	99.315	0.7	92	0.00	8.47- 8.53
19	4,4'-DDT	100.000	96.112	3.9	85	0.00	8.64- 8.70

Continuing Calibration Summary

Job Number: MC23272 **Sample:** GBE1960-CC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37668.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

20		Endrin Aldehyde	100.000	96.802	3.2	87	0.00	9.04- 9.10
21		Endosulfan Sulfate	100.000	99.892	0.1	89	0.00	9.63- 9.69
22		Methoxychlor	100.000	97.877	2.1	86	0.00	9.30- 9.36
23		Endrin Ketone	100.000	99.869	0.1	89	0.00	10.01-10.07
			AvgRF	CCRF	% Dev			
24		Chlordane-A		----------NA----------				
25		Chlordane-B		----------NA----------				
26		Chlordane-C		----------NA----------				
27		Toxaphene-A		----------NA----------				
28		Toxaphene-B		----------NA----------				
29		Toxaphene-C		----------NA----------				
30		AR1016-A		----------NA----------				
31		AR1016-B		----------NA----------				
32		AR1016-C		----------NA----------				
33		AR1260-A		----------NA----------				
34		AR1260-B		----------NA----------				
35		AR1260-C		----------NA----------				
36		AR1260-D		----------NA----------				
37		AR1260-E		----------NA----------				
38	s	DCB	1.947	1.805 E6	7.3	90	0.00	11.34-11.41

***** Signal #2 *****

1	s	TCMX	1.880	1.810 E6	3.7	92	0.00	3.57- 3.63
			True	Calc.	% Drift			
2		Hexachlorobenzene	100.000	103.671	-3.7	96	0.00	4.29- 4.35
3		Alpha-BHC	100.000	100.475	-0.5	93	0.00	4.51- 4.57
4		Gamma-BHC	100.000	100.305	-0.3	92	0.00	5.05- 5.11
5		Beta-BHC	100.000	100.318	-0.3	92	0.00	5.19- 5.25
6		Heptachlor	100.000	101.696	-1.7	93	0.00	5.69- 5.75
7		Delta-BHC	100.000	101.299	-1.3	92	0.00	5.62- 5.68
8		Alachlor	1000.000	945.799	5.4	88	0.00	6.05- 6.11
9		Aldrin	100.000	101.631	-1.6	94	0.00	6.16- 6.22
10		Heptachlor Epoxide	100.000	93.949	6.1	87	0.00	6.97- 7.03
11		Gamma-Chlordane	100.000	105.789	-5.8	97	0.00	7.23- 7.29
12		Alpha-Chlordane	100.000	106.059	-6.1	97	0.00	7.44- 7.50
13		Endosulfan-I	100.000	105.423	-5.4	96	0.00	7.51- 7.57
14		4,4'-DDE	100.000	107.175	-7.2	97	0.00	7.69- 7.75
15		Dieldrin	100.000	107.344	-7.3	98	0.00	7.89- 7.95
16		Endrin	100.000	108.178	-8.2	98	0.00	8.30- 8.36
17		4,4'-DDD	100.000	106.058	-6.1	95	0.00	8.47- 8.53
18		Endosulfan-II	100.000	106.698	-6.7	97	0.00	8.59- 8.65
19		4,4'-DDT	100.000	107.822	-7.8	97	0.00	8.89- 8.95
20		Endrin Aldehyde	100.000	106.214	-6.2	95	0.00	9.05- 9.11
21		Endosulfan Sulfate	100.000	113.197	-13.2	102	0.00	9.42- 9.48
22		Methoxychlor	100.000	112.970	-13.0	99	0.00	9.83- 9.89
23		Endrin Ketone	100.000	114.456	-14.5	103	0.00	10.13-10.19
			AvgRF	CCRF	% Dev			
24		Chlordane-A		----------NA----------				
25		Chlordane-B		----------NA----------				
26		Chlordane-C		----------NA----------				
27		Toxaphene-A		----------NA----------				
28		Toxaphene-B		----------NA----------				
29		Toxaphene-C		----------NA----------				
30		AR1016-A		----------NA----------				
31		AR1016-B		----------NA----------				
32		AR1016-C		----------NA----------				

Continuing Calibration Summary

Job Number: MC23272 **Sample:** GBE1960-CC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37668.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
33     AR1260-A                              ----------NA----------
34     AR1260-B                              ----------NA----------
35     AR1260-C                              ----------NA----------
36     AR1260-D                              ----------NA----------
37     AR1260-E                              ----------NA----------
38 s   DCB                      1023.554 1151.406 E3 -12.5  105   0.00   11.77-11.83
---------------------------------------------------------------------------------
---------------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    BE37415.d  PT130815.M       Fri Aug 16 11:23:41 2013   ED
```

Continuing Calibration Summary

Job Number: MC23272 **Sample:** GBE1960-CC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37678.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\BE...15\be37678.d\ECD1A.CH Vial: 96
Signal #2 : C:\msdchem\1\data\BE130815\be37678.d\ECD2B.CH
Acq On    : 15-Aug-13, 17:03:25                    Operator: nickk
Sample    : cc1943-100,pest                        Inst    : GCBE
Misc      : op34388,gbe1960,100,,,5,,w             Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\methods\PT130815.M (ChemStation Integrator)
Title        : P608PEST/RtX-cl-pest1/RTX -clpest2
Last Update  : Thu Aug 15 13:38:44 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  80%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 120%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 s	TCMX	2.881	2.575 E6	10.6	85	0.00	3.61- 3.67
2	Hexachlorobenzene	4.303	3.986 E6	7.4	87	0.00	4.21- 4.27
3	Alpha-BHC	4.710	4.557 E6	3.2	87	0.00	4.47- 4.53
4	Gamma-BHC	4.241	4.048 E6	4.6	86	0.00	4.95- 5.01
5	Beta-BHC	1.764	1.646 E6	6.7	86	0.00	5.08- 5.14
	---------- True	Calc.	% Drift	----------			
6	Heptachlor	100.000	92.908	7.1	86	0.00	5.66- 5.72
	---------- AvgRF	CCRF	% Dev	----------			
7	Delta-BHC	4.167	3.993 E6	4.2	88	0.00	5.35- 5.41
	---------- True	Calc.	% Drift	----------			
8	Alachlor	1000.000	923.090	7.7	86	0.00	6.33- 6.39
	---------- AvgRF	CCRF	% Dev	----------			
9	Aldrin	3.784	3.677 E6	2.8	88	0.00	6.10- 6.16
	---------- True	Calc.	% Drift	----------			
10	Heptachlor Epoxide	100.000	95.489	4.5	87	0.00	6.97- 7.03
	---------- AvgRF	CCRF	% Dev	----------			
11	Gamma-Chlordane	3.459	3.310 E6	4.3	87	0.00	7.15- 7.21
12	Alpha-Chlordane	3.136	2.766 E6	11.8	79#	0.00	7.33- 7.39
	---------- True	Calc.	% Drift	----------			
13	Endosulfan-I	100.000	94.920	5.1	87	0.00	7.52- 7.58
	---------- AvgRF	CCRF	% Dev	----------			
14	4,4'-DDE	2.875	2.840 E6	1.2	87	0.00	7.45- 7.51
	---------- True	Calc.	% Drift	----------			
15	Dieldrin	100.000	95.192	4.8	87	0.00	7.85- 7.91
	---------- AvgRF	CCRF	% Dev	----------			
16	Endrin	2.723	2.657 E6	2.4	87	0.00	8.17- 8.23
17	4,4'-DDD	2.235	2.266 E6	-1.4	87	0.00	8.27- 8.33
	---------- True	Calc.	% Drift	----------			
18	Endosulfan-II	100.000	93.899	6.1	87	0.00	8.47- 8.53
19	4,4'-DDT	100.000	91.224	8.8	81	0.00	8.65- 8.71

Continuing Calibration Summary

Job Number: MC23272 **Sample:** GBE1960-CC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37678.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

20	Endrin Aldehyde	100.000	88.824	11.2	80	0.00	9.04- 9.10
21	Endosulfan Sulfate	100.000	91.385	8.6	82	0.00	9.63- 9.69
22	Methoxychlor	100.000	91.916	8.1	81	0.00	9.30- 9.36
23	Endrin Ketone	100.000	90.221	9.8	81	0.00	10.01-10.07

		AvgRF	CCRF	% Dev
24	Chlordane-A			NA
25	Chlordane-B			NA
26	Chlordane-C			NA
27	Toxaphene-A			NA
28	Toxaphene-B			NA
29	Toxaphene-C			NA
30	AR1016-A			NA
31	AR1016-B			NA
32	AR1016-C			NA
33	AR1260-A			NA
34	AR1260-B			NA
35	AR1260-C			NA
36	AR1260-D			NA
37	AR1260-E			NA
38 s	DCB	1.947	1.678 E6	13.8

84 0.00 11.34-11.41

***** Signal #2 *****

1 s	TCMX	1.880	1.787 E6	4.9	91	0.00	3.57- 3.63

		True	Calc.	% Drift			
2	Hexachlorobenzene	100.000	102.356	-2.4	95	0.00	4.29- 4.35
3	Alpha-BHC	100.000	101.044	-1.0	93	0.00	4.51- 4.57
4	Gamma-BHC	100.000	100.361	-0.4	92	0.00	5.06- 5.12
5	Beta-BHC	100.000	100.938	-0.9	92	0.00	5.19- 5.25
6	Heptachlor	100.000	101.224	-1.2	93	0.00	5.69- 5.75
7	Delta-BHC	100.000	102.059	-2.1	93	0.00	5.62- 5.68
8	Alachlor	1000.000	926.390	7.4	86	0.00	6.05- 6.11
9	Aldrin	100.000	99.471	0.5	92	0.00	6.16- 6.22
10	Heptachlor Epoxide	100.000	90.282	9.7	84	0.00	6.98- 7.04
11	Gamma-Chlordane	100.000	102.866	-2.9	94	0.00	7.24- 7.30
12	Alpha-Chlordane	100.000	102.235	-2.2	94	0.00	7.44- 7.50
13	Endosulfan-I	100.000	101.861	-1.9	93	0.00	7.51- 7.57
14	4,4'-DDE	100.000	104.004	-4.0	94	0.00	7.69- 7.75
15	Dieldrin	100.000	102.573	-2.6	94	0.00	7.89- 7.95
16	Endrin	100.000	105.119	-5.1	95	0.00	8.30- 8.36
17	4,4'-DDD	100.000	104.739	-4.7	94	0.00	8.48- 8.54
18	Endosulfan-II	100.000	102.267	-2.3	93	0.00	8.59- 8.65
19	4,4'-DDT	100.000	103.685	-3.7	93	0.00	8.89- 8.95
20	Endrin Aldehyde	100.000	99.760	0.2	90	0.00	9.05- 9.11
21	Endosulfan Sulfate	100.000	104.111	-4.1	94	0.00	9.42- 9.48
22	Methoxychlor	100.000	106.199	-6.2	93	0.00	9.83- 9.89
23	Endrin Ketone	100.000	103.571	-3.6	94	0.00	10.13-10.19

		AvgRF	CCRF	% Dev
24	Chlordane-A			NA
25	Chlordane-B			NA
26	Chlordane-C			NA
27	Toxaphene-A			NA
28	Toxaphene-B			NA
29	Toxaphene-C			NA
30	AR1016-A			NA
31	AR1016-B			NA
32	AR1016-C			NA

Continuing Calibration Summary

Job Number: MC23272 **Sample:** GBE1960-CC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37678.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
33     AR1260-A                              ----------NA----------
34     AR1260-B                              ----------NA----------
35     AR1260-C                              ----------NA----------
36     AR1260-D                              ----------NA----------
37     AR1260-E                              ----------NA----------
38 s   DCB                       1023.554 999.728 E3   2.3   91   0.00   11.77-11.83
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------

   (#) = Out of Range                 SPCC's out = 0  CCC's out = 0
    be37668.d  PT130815.M       Thu Aug 15 17:23:53 2013   ED
```

Continuing Calibration Summary

Job Number: MC23272 **Sample:** GBE1960-ECC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37683.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\BE...15\be37683.d\ECD1A.CH Vial: 96
Signal #2 : C:\msdchem\1\data\BE130815\be37683.d\ECD2B.CH
Acq On    : 15-Aug-13, 18:50:06                    Operator: nickk
Sample    : ecc1943-100,pest                       Inst    : GCBE
Misc      : op34388,gbe1960,100,,,5,,w             Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\methods\PT130815.M (ChemStation Integrator)
Title        : P608PEST/RtX-cl-pest1/RTX -clpest2
Last Update  : Thu Aug 15 13:38:44 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  80%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 120%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 s	TCMX	2.881	2.658 E6	7.7	88	0.00	3.61- 3.67
2	Hexachlorobenzene	4.303	4.068 E6	5.5	89	0.00	4.21- 4.27
3	Alpha-BHC	4.710	4.641 E6	1.5	89	0.00	4.47- 4.53
4	Gamma-BHC	4.241	4.104 E6	3.2	87	0.00	4.95- 5.01
5	Beta-BHC	1.764	1.667 E6	5.5	88	0.00	5.08- 5.14
		True	Calc.	% Drift			
6	Heptachlor	100.000	94.097	5.9	87	0.00	5.66- 5.72
		AvgRF	CCRF	% Dev			
7	Delta-BHC	4.167	4.023 E6	3.5	88	0.00	5.35- 5.41
		True	Calc.	% Drift			
8	Alachlor	1000.000	933.548	6.6	87	0.00	6.32- 6.38
		AvgRF	CCRF	% Dev			
9	Aldrin	3.784	3.762 E6	0.6	90	0.00	6.10- 6.16
		True	Calc.	% Drift			
10	Heptachlor Epoxide	100.000	96.500	3.5	88	0.00	6.97- 7.03
		AvgRF	CCRF	% Dev			
11	Gamma-Chlordane	3.459	3.382 E6	2.2	89	0.00	7.15- 7.21
12	Alpha-Chlordane	3.136	2.745 E6	12.5	78#	0.00	7.33- 7.39
		True	Calc.	% Drift			
13	Endosulfan-I	100.000	97.541	2.5	89	0.00	7.52- 7.58
		AvgRF	CCRF	% Dev			
14	4,4'-DDE	2.875	2.919 E6	-1.5	89	0.00	7.45- 7.51
		True	Calc.	% Drift			
15	Dieldrin	100.000	98.000	2.0	89	0.00	7.85- 7.91
		AvgRF	CCRF	% Dev			
16	Endrin	2.723	2.696 E6	1.0	88	0.00	8.17- 8.23
17	4,4'-DDD	2.235	2.354 E6	-5.3	91	0.00	8.27- 8.33
		True	Calc.	% Drift			
18	Endosulfan-II	100.000	96.601	3.4	90	0.00	8.47- 8.53
19	4,4'-DDT	100.000	92.864	7.1	83	0.00	8.65- 8.71

Continuing Calibration Summary

Job Number: MC23272 **Sample:** GBE1960-ECC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37683.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

20	Endrin Aldehyde	100.000	91.871	8.1	83	0.00	9.04- 9.10
21	Endosulfan Sulfate	100.000	94.303	5.7	84	0.00	9.63- 9.69
22	Methoxychlor	100.000	93.185	6.8	82	0.00	9.30- 9.36
23	Endrin Ketone	100.000	93.754	6.2	84	0.00	10.01-10.07

		AvgRF	CCRF	% Dev
24	Chlordane-A		NA	
25	Chlordane-B		NA	
26	Chlordane-C		NA	
27	Toxaphene-A		NA	
28	Toxaphene-B		NA	
29	Toxaphene-C		NA	
30	AR1016-A		NA	
31	AR1016-B		NA	
32	AR1016-C		NA	
33	AR1260-A		NA	
34	AR1260-B		NA	
35	AR1260-C		NA	
36	AR1260-D		NA	
37	AR1260-E		NA	
38 s	DCB	1.947	1.677 E6	13.9

84	0.00	11.35-11.42					

***** Signal #2 *****

1 s	TCMX	1.880	1.844 E6	1.9	94	0.00	3.57- 3.63

		True	Calc.	% Drift			
2	Hexachlorobenzene	100.000	105.387	-5.4	97	0.00	4.29- 4.35
3	Alpha-BHC	100.000	105.596	-5.6	97	0.00	4.51- 4.57
4	Gamma-BHC	100.000	103.235	-3.2	95	0.00	5.06- 5.12
5	Beta-BHC	100.000	104.359	-4.4	95	0.00	5.19- 5.25
6	Heptachlor	100.000	105.454	-5.5	97	0.00	5.69- 5.75
7	Delta-BHC	100.000	102.642	-2.6	93	0.00	5.62- 5.68
8	Alachlor	1000.000	948.164	5.2	88	0.00	6.05- 6.11
9	Aldrin	100.000	102.804	-2.8	95	0.00	6.16- 6.22
10	Heptachlor Epoxide	100.000	89.608	10.4	84	0.00	6.98- 7.04
11	Gamma-Chlordane	100.000	105.255	-5.3	96	0.00	7.24- 7.30
12	Alpha-Chlordane	100.000	104.479	-4.5	96	0.00	7.44- 7.50
13	Endosulfan-I	100.000	103.879	-3.9	95	0.00	7.51- 7.57
14	4,4'-DDE	100.000	106.731	-6.7	97	0.00	7.69- 7.75
15	Dieldrin	100.000	105.410	-5.4	96	0.00	7.89- 7.95
16	Endrin	100.000	105.988	-6.0	96	0.00	8.30- 8.36
17	4,4'-DDD	100.000	105.930	-5.9	95	0.00	8.48- 8.54
18	Endosulfan-II	100.000	102.873	-2.9	94	0.00	8.59- 8.65
19	4,4'-DDT	100.000	104.509	-4.5	94	0.00	8.89- 8.95
20	Endrin Aldehyde	100.000	101.814	-1.8	91	0.00	9.05- 9.11
21	Endosulfan Sulfate	100.000	106.767	-6.8	96	0.00	9.42- 9.48
22	Methoxychlor	100.000	105.040	-5.0	92	0.00	9.83- 9.89
23	Endrin Ketone	100.000	107.896	-7.9	97	0.00	10.14-10.20

		AvgRF	CCRF	% Dev
24	Chlordane-A		NA	
25	Chlordane-B		NA	
26	Chlordane-C		NA	
27	Toxaphene-A		NA	
28	Toxaphene-B		NA	
29	Toxaphene-C		NA	
30	AR1016-A		NA	
31	AR1016-B		NA	
32	AR1016-C		NA	

10.7.5 10

Continuing Calibration Summary

Job Number: MC23272 **Sample:** GBE1960-ECC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37683.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

33		AR1260-A			----------NA----------				
34		AR1260-B			----------NA----------				
35		AR1260-C			----------NA----------				
36		AR1260-D			----------NA----------				
37		AR1260-E			----------NA----------				
38	s	DCB	1023.554	1040.829	E3	-1.7	95	0.00	11.77-11.83

(#) = Out of Range SPCC's out = 0 CCC's out = 0
be37668.d PT130815.M Fri Aug 16 09:29:53 2013 ED

Initial Calibration Summary

Job Number: MC23272 **Sample:** GBK949-ICC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK27823.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report GCBK

Method : C:\msdchem\1\METHODS\PC130813.M (ChemStation Integrator)
Title : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration

Calibration Files
1 =BK27821.d 2 =BK27822.d 3 =BK27823.d 4 =BK27824.d
5 =BK27825.d 6 =BK27826.d

	Compound	1	2	3	4	5	6	Avg		%RSD
1) s	TCMX	2.602	2.596	2.697	2.529	2.265	2.851	2.590	E8	7.51
2)	AR1016-A	4.526	4.555	4.634	4.129	4.138	3.929	4.318	E6	6.71
3)	AR1016-B	0.988	0.997	1.041	0.942	0.896	0.994	0.976	E7	5.16
4)	AR1016-C	2.159	2.222	2.333	2.143	2.043	2.042	2.157	E7	5.15
5)	AR1016-D	1.386	1.397	1.441	1.297	1.239	1.201	1.327	E7	7.22
6)	AR1016-E	8.464	8.695	9.115	8.589	8.006	9.299	8.695	E6	5.35
7)	AR1260-A	1.495	1.557	1.640	1.465	1.455	1.618	1.539	E7	5.14
8)	AR1260-B	3.036	3.211	3.324	3.052	2.978	3.330	3.155	E7	4.88
9)	AR1260-C	5.542	5.750	5.889	5.386	5.200	5.654	5.570	E7	4.49
10)	AR1260-D	4.444	4.031	4.916	4.334	4.063	4.341	4.355	E7	7.35
11)	AR1260-E	3.840	4.005	4.244	3.793	3.650	4.092	3.937	E7	5.51
12)	AR1260-F	0.941	0.992	1.046	0.956	0.895	0.945	0.962	E7	5.35
13) s	DCB	3.005	3.229	3.374	3.238	3.183	4.236	3.378	E8	12.94

----- Quadratic regression ----- Coefficient = 0.9969
Response Ratio = 82764708.39045 + 361431785.43737 *A + -754325.09468 *A^2

14)	AR1221-A	2.641	2.641	E6	0.00
15)	AR1221-B	2.433	2.433	E6	0.00
16)	AR1221-C	7.601	7.601	E6	0.00
17)	AR1232-A	5.039	5.039	E6	0.00
18)	AR1232-B	4.121	4.121	E6	0.00
19)	AR1232-C	1.006	1.006	E7	0.00
20)	AR1232-D	5.568	5.568	E6	0.00
21)	AR1232-E	8.450	8.450	E6	0.00
22)	AR1242-A	4.212	4.212	E6	0.00
23)	AR1242-B	9.735	9.735	E6	0.00
24)	AR1242-C	2.255	2.255	E7	0.00
25)	AR1242-D	1.468	1.468	E7	0.00
26)	AR1242-E	1.869	1.869	E7	0.00
27)	AR1248-A	4.333	4.333	E6	0.00
28)	AR1248-B	1.288	1.288	E7	0.00
29)	AR1248-C	1.885	1.885	E7	0.00
30)	AR1248-D	2.336	2.336	E7	0.00
31)	AR1248-E	2.848	2.848	E7	0.00
32)	AR1254-A	1.904	1.904	E7	0.00
33)	AR1254-B	2.574	2.574	E7	0.00
34)	AR1254-C	3.751	3.751	E7	0.00
35)	AR1254-D	1.357	1.357	E7	0.00
36)	AR1254-E	2.038	2.038	E7	0.00
37)	AR1262-A	1.070	1.070	E7	0.00
38)	AR1262-B	2.446	2.446	E7	0.00
39)	AR1262-C	4.959	4.959	E7	0.00
40)	AR1262-D	5.104	5.104	E7	0.00
41)	AR1262-E	1.422	1.422	E7	0.00
42)	AR1268-A	8.630	8.630	E6	0.00
43)	AR1268-B	1.237	1.237	E7	0.00
44)	AR1268-C	9.345	9.345	E7	0.00

Initial Calibration Summary

Job Number: MC23272 **Sample:** GBK949-ICC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK27823.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

45)		AR1268-D				3.939			3.939 E7	0.00
46)		AR1268-E				1.096			1.096 E8	0.00

Signal #2

1)	s	TCMX	6.906	7.338	7.856	7.307	6.855	8.475	7.456 E6	8.26
2)		AR1016-A	1.061	1.208	1.309	1.263	1.313	1.343	1.249 E5	8.29
3)		AR1016-B	2.353	2.579	2.776	2.695	2.726	2.996	2.688 E5	7.95
4)		AR1016-C	4.854	5.240	5.421	5.172	4.865	5.598	5.192 E5	5.72
5)		AR1016-D	1.986	2.064	2.186	2.076	1.897	2.280	2.082 E5	6.58
6)		AR1016-E	2.255	2.467	2.619	2.494	2.467	2.718	2.503 E5	6.28
7)		AR1260-A	3.244	3.512	3.707	3.552	3.551	4.101	3.611 E5	7.84
8)		AR1260-B	3.941	4.267	4.502	4.234	4.248	4.644	4.306 E5	5.65
9)		AR1260-C	1.008	1.098	1.140	1.076	1.062	1.147	1.088 E6	4.77
10)		AR1260-D	8.046	8.544	8.924	8.080	7.733	8.472	8.300 E5	5.15
11)		AR1260-E	7.554	8.104	8.510	7.871	7.729	8.602	8.062 E5	5.26
12)		AR1260-F	2.164	2.307	2.437	2.265	2.221	2.404	2.300 E5	4.59
13)	s	DCB	0.707	0.762	0.817	0.770	0.754	1.003	0.802 E7	13.01

----- Quadratic regression ----- Coefficient = 0.9954

Response Ratio = -1330487.92738 + 8903272.19781 *A + -22235.42165 *A^2

14)		AR1221-A				4.704			4.704 E4	0.00
15)		AR1221-B				7.275			7.275 E4	0.00
16)		AR1221-C				1.762			1.762 E5	0.00
17)		AR1232-A				1.404			1.404 E5	0.00
18)		AR1232-B				1.200			1.200 E5	0.00
19)		AR1232-C				2.536			2.536 E5	0.00
20)		AR1232-D				1.573			1.573 E5	0.00
21)		AR1232-E				2.554			2.554 E5	0.00
22)		AR1242-A				1.286			1.286 E5	0.00
23)		AR1242-B				2.709			2.709 E5	0.00
24)		AR1242-C				5.385			5.385 E5	0.00
25)		AR1242-D				3.724			3.724 E5	0.00
26)		AR1242-E				5.428			5.428 E5	0.00
27)		AR1248-A				1.246			1.246 E5	0.00
28)		AR1248-B				3.100			3.100 E5	0.00
29)		AR1248-C				4.826			4.826 E5	0.00
30)		AR1248-D				7.938			7.938 E5	0.00
31)		AR1248-E				4.672			4.672 E5	0.00
32)		AR1254-A				3.908			3.908 E5	0.00
33)		AR1254-B				5.453			5.453 E5	0.00
34)		AR1254-C				9.263			9.263 E5	0.00
35)		AR1254-D				5.268			5.268 E5	0.00
36)		AR1254-E				4.525			4.525 E5	0.00
37)		AR1262-A				2.747			2.747 E5	0.00
38)		AR1262-B				2.929			2.929 E5	0.00
39)		AR1262-C				9.732			9.732 E5	0.00
40)		AR1262-D				1.036			1.036 E6	0.00
41)		AR1262-E				3.351			3.351 E5	0.00
42)		AR1268-A				1.665			1.665 E5	0.00
43)		AR1268-B				2.435			2.435 E5	0.00
44)		AR1268-C				2.005			2.005 E6	0.00
45)		AR1268-D				8.495			8.495 E5	0.00
46)		AR1268-E				2.726			2.726 E6	0.00

(#) = Out of Range

PC130813.M Tue Aug 13 11:59:00 2013

10.7.6 10

Initial Calibration Verification

Job Number: MC23272 **Sample:** GBK949-ICV949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK27831.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...13\BK27831.d\ECD1A.ch Vial: 61
Signal #2 : C:\msdchem\1\DATA\BK130813\BK27831.d\ECD2B.ch
Acq On    : 13 Aug 2013  11:38 am                    Operator: nickk
Sample    : icv949-500,a16/60                        Inst    : GCBK
Misc      : op34351,gbk949,15,,,10,,s                Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC130813.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Tue Aug 13 11:39:58 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 s	TCMX	258.993	266.109 E6	-2.7	99	0.00	2.30- 2.50
2	AR1016-A	4.318	4.299 E6	0.4	93	0.00	2.59- 2.79
3	AR1016-B	9.764	9.451 E6	3.2	91	0.00	2.89- 3.09
4	AR1016-C	21.570	21.693 E6	-0.6	93	0.00	3.31- 3.51
5	AR1016-D	13.268	13.270 E6	-0.0	92	0.00	3.51- 3.57
6	AR1016-E	8.695	8.367 E6	3.8	92	0.00	3.92- 3.98
7	AR1260-A	15.385	15.021 E6	2.4	92	0.00	5.29- 5.49
8	AR1260-B	31.552	31.896 E6	-1.1	96	0.00	5.66- 5.86
9	AR1260-C	55.702	55.608 E6	0.2	94	-0.16	6.04- 6.24
10	AR1260-D	43.550	44.031 E6	-1.1	90	0.00	7.00- 7.20
11	AR1260-E	39.375	40.084 E6	-1.8	94	0.00	7.43- 7.63
12	AR1260-F	9.625	10.272 E6	-6.7	98	0.00	8.39- 8.59
		True	Calc.	% Drift			
13 s	DCB	48.000	49.951	-4.1	100	0.00	9.15- 9.35
		AvgRF	CCRF	% Dev			
14	AR1221-A		NA				
15	AR1221-B		NA				
16	AR1221-C		NA				
17	AR1232-A		NA				
18	AR1232-B		NA				
19	AR1232-C		NA				
20	AR1232-D		NA				
21	AR1232-E		NA				
22	AR1242-A		NA				
23	AR1242-B		NA				
24	AR1242-C		NA				
25	AR1242-D		NA				
26	AR1242-E		NA				
27	AR1248-A		NA				
28	AR1248-B		NA				
29	AR1248-C		NA				
30	AR1248-D		NA				
31	AR1248-E		NA				
32	AR1254-A		NA				
33	AR1254-B		NA				
34	AR1254-C		NA				
35	AR1254-D		NA				
36	AR1254-E		NA				
37	AR1262-A		NA				

10.7.7 10

Initial Calibration Verification

Job Number: MC23272 **Sample:** GBK949-ICV949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK27831.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					
42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					
45		AR1268-D	----------NA----------					
46		AR1268-E	----------NA----------					
*****		Signal #2 *****						
1	s	TCMX	7.456	7.754 E6	-4.0	99	0.00	2.27- 2.47
2		AR1016-A	124.940	120.937 E3	3.2	92	0.00	2.65- 2.85
3		AR1016-B	268.753	258.832 E3	3.7	93	0.00	3.00- 3.20
4		AR1016-C	519.173	531.230 E3	-2.3	98	0.00	3.43- 3.63
5		AR1016-D	208.168	208.734 E3	-0.3	95	0.00	3.63- 3.69
6		AR1016-E	250.337	253.646 E3	-1.3	97	0.00	4.12- 4.18
7		AR1260-A	361.126	361.077 E3	0.0	97	0.00	5.61- 5.81
8		AR1260-B	430.591	429.356 E3	0.3	95	0.00	5.90- 6.10
9		AR1260-C	1.088	1.103 E6	-1.4	97	-0.13	6.41- 6.61
10		AR1260-D	830.003	833.132 E3	-0.4	93	0.00	7.36- 7.56
11		AR1260-E	806.183	820.280 E3	-1.7	96	0.00	7.92- 8.12
12		AR1260-F	229.968	242.121 E3	-5.3	99	0.00	8.84- 9.04
			True	Calc.	% Drift			
13	s	DCB	48.000	50.656	-5.5	100	0.00	9.78- 9.98
			AvgRF	CCRF	% Dev			
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					
42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					

Initial Calibration Verification

Job Number: MC23272 **Sample:** GBK949-ICV949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK27831.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
45      AR1268-D                              ----------NA----------
46      AR1268-E                              ----------NA----------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------

   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    BK27823.d  PC130813.M       Tue Aug 13 11:58:48 2013
```

10.7.7 10

Continuing Calibration Summary

Job Number: MC23272 **Sample:** GBK953-CC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK27997A.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\BK...5\BK27997A.d\ECD1A.ch Vial: 98
Acq On : 15 Aug 2013 10:48 pm Operator: nickk
Sample : cc949-750,a16/60 Inst : GCBK
Misc : op34377,gbk953,15,,,10,,s Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\msdchem\1\DATA\BK130815\BK27997A.d\ECD2B.ch Vial: 98
Acq On : 15 Aug 2013 10:48 pm Operator: nickk
Sample : ecc949-750,a16/60 Inst : GCBK
Misc : op34377,gbk953,15,,,10,,s Multiplr: 1.00
IntFile : EVENTS2.E

Method : C:\msdchem\1\METHODS\PC130815.M (ChemStation Integrator)
Title : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update : Tue Aug 13 11:39:58 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 s	TCMX	258.993	272.004 E6	-5.0	105	0.00	2.30- 2.50
2	AR1016-A	4.318	4.398 E6	-1.9	97	0.00	2.58- 2.78
3	AR1016-B	9.764	10.660 E6	-9.2	107	0.00	2.88- 3.08
4	AR1016-C	21.570	23.540 E6	-9.1	106	0.00	3.31- 3.51
5	AR1016-D	13.268	15.036 E6	-13.3	108	0.00	3.51- 3.57
6	AR1016-E	8.695	9.593 E6	-10.3	110	0.00	3.92- 3.98
7	AR1260-A	15.385	16.817 E6	-9.3	108	0.00	5.29- 5.49
8	AR1260-B	31.552	35.287 E6	-11.8	110	0.00	5.65- 5.85
9	AR1260-C	55.702	63.502 E6	-14.0	110	0.00	6.20- 6.40
10	AR1260-D	43.550	52.450 E6	-20.4#	130#	0.00	7.00- 7.20
11	AR1260-E	39.375	45.888 E6	-16.5#	115	0.00	7.42- 7.62
12	AR1260-F	9.625	11.182 E6	-16.2#	113	0.00	8.38- 8.58
		True	Calc.	% Drift			
13 s	DCB	56.000	63.339	-13.1	110	0.00	9.14- 9.34
		AvgRF	CCRF	% Dev			
14	AR1221-A		----------NA----------				
15	AR1221-B		----------NA----------				
16	AR1221-C		----------NA----------				
17	AR1232-A		----------NA----------				
18	AR1232-B		----------NA----------				
19	AR1232-C		----------NA----------				
20	AR1232-D		----------NA----------				
21	AR1232-E		----------NA----------				
22	AR1242-A		----------NA----------				
23	AR1242-B		----------NA----------				
24	AR1242-C		----------NA----------				
25	AR1242-D		----------NA----------				
26	AR1242-E		----------NA----------				
27	AR1248-A		----------NA----------				
28	AR1248-B		----------NA----------				
29	AR1248-C		----------NA----------				
30	AR1248-D		----------NA----------				
31	AR1248-E		----------NA----------				
32	AR1254-A		----------NA----------				

10.7.8 10

Continuing Calibration Summary

Job Number: MC23272 **Sample:** GBK953-CC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK27997A.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					
42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					
45		AR1268-D	----------NA----------					
46		AR1268-E	----------NA----------					
*****		Signal #2 *****						
1	s	TCMX	7.456	7.175 E6	3.8	98	0.00	2.27- 2.47
2		AR1016-A	124.940	117.347 E3	6.1	97	0.00	2.66- 2.86
3		AR1016-B	268.753	254.887 E3	5.2	99	0.00	3.00- 3.20
4		AR1016-C	519.173	521.676 E3	-0.5	100	0.00	3.43- 3.63
5		AR1016-D	208.168	202.848 E3	2.6	98	0.00	3.63- 3.69
6		AR1016-E	250.337	248.174 E3	0.9	101	0.00	4.12- 4.18
7		AR1260-A	361.126	356.383 E3	1.3	101	0.00	5.62- 5.82
8		AR1260-B	430.591	435.382 E3	-1.1	102	0.00	5.90- 6.10
9		AR1260-C	1.088	1.117 E6	-2.7	102	0.00	6.54- 6.74
10		AR1260-D	830.003	879.645 E3	-6.0	103	0.00	7.36- 7.56
11		AR1260-E	806.183	833.587 E3	-3.4	103	0.00	7.92- 8.12
12		AR1260-F	229.968	235.380 E3	-2.4	102	0.00	8.84- 9.04
		----------	True	Calc.	% Drift			----------
13	s	DCB	56.000	55.737	0.5	100	0.00	9.78- 9.98
		----------	AvgRF	CCRF	% Dev			----------
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					

Continuing Calibration Summary

Job Number: MC23272 **Sample:** GBK953-CC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK27997A.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

40	AR1262-D	----------NA----------	
41	AR1262-E	----------NA----------	
42	AR1268-A	----------NA----------	
43	AR1268-B	----------NA----------	
44	AR1268-C	----------NA----------	
45	AR1268-D	----------NA----------	
46	AR1268-E	----------NA----------	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK27822.d PC130815.M Fri Aug 16 08:01:12 2013

Continuing Calibration Summary

Job Number: MC23272 **Sample:** GBK953-CC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28008.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...15\BK28008.d\ECD1A.ch Vial: 98
Signal #2 : C:\msdchem\1\DATA\BK130815\BK28008.d\ECD2B.ch
Acq On    : 16 Aug 2013   2:17 am                    Operator: nickk
Sample    : cc949-750,a16/60                         Inst    : GCBK
Misc      : op34377,gbk953,15,,,10,,s                Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC130815.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Tue Aug 13 11:39:58 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	s	TCMX	258.993	275.619 E6	-6.4	106	0.00	2.30- 2.50
2		AR1016-A	4.318	4.475 E6	-3.6	98	0.00	2.58- 2.78
3		AR1016-B	9.764	10.715 E6	-9.7	107	0.00	2.88- 3.08
4		AR1016-C	21.570	23.094 E6	-7.1	104	0.00	3.31- 3.51
5		AR1016-D	13.268	14.224 E6	-7.2	102	0.00	3.51- 3.57
6		AR1016-E	8.695	9.649 E6	-11.0	111	0.00	3.92- 3.98
7		AR1260-A	15.385	17.086 E6	-11.1	110	0.00	5.29- 5.49
8		AR1260-B	31.552	35.551 E6	-12.7	111	0.00	5.65- 5.85
9		AR1260-C	55.702	61.528 E6	-10.5	107	0.00	6.19- 6.39
10		AR1260-D	43.550	52.012 E6	-19.4#	129#	0.00	7.00- 7.20
11		AR1260-E	39.375	45.021 E6	-14.3	112	0.00	7.42- 7.62
12		AR1260-F	9.625	11.187 E6	-16.2#	113	0.00	8.38- 8.58
			True	Calc.	% Drift			
13	s	DCB	56.000	62.928	-12.4	110	0.00	9.14- 9.34
			AvgRF	CCRF	% Dev			
14		AR1221-A		----------NA----------				
15		AR1221-B		----------NA----------				
16		AR1221-C		----------NA----------				
17		AR1232-A		----------NA----------				
18		AR1232-B		----------NA----------				
19		AR1232-C		----------NA----------				
20		AR1232-D		----------NA----------				
21		AR1232-E		----------NA----------				
22		AR1242-A		----------NA----------				
23		AR1242-B		----------NA----------				
24		AR1242-C		----------NA----------				
25		AR1242-D		----------NA----------				
26		AR1242-E		----------NA----------				
27		AR1248-A		----------NA----------				
28		AR1248-B		----------NA----------				
29		AR1248-C		----------NA----------				
30		AR1248-D		----------NA----------				
31		AR1248-E		----------NA----------				
32		AR1254-A		----------NA----------				
33		AR1254-B		----------NA----------				
34		AR1254-C		----------NA----------				
35		AR1254-D		----------NA----------				
36		AR1254-E		----------NA----------				
37		AR1262-A		----------NA----------				

10.7.9 10

Continuing Calibration Summary

Job Number: MC23272 **Sample:** GBK953-CC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28008.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

38		AR1262-B			----------NA----------			
39		AR1262-C			----------NA----------			
40		AR1262-D			----------NA----------			
41		AR1262-E			----------NA----------			
42		AR1268-A			----------NA----------			
43		AR1268-B			----------NA----------			
44		AR1268-C			----------NA----------			
45		AR1268-D			----------NA----------			
46		AR1268-E			----------NA----------			
*****		Signal #2 *****						
1	s	TCMX	7.456	6.878 E6	7.8	94	0.00	2.27- 2.47
2		AR1016-A	124.940	109.117 E3	12.7	90	0.00	2.66- 2.86
3		AR1016-B	268.753	242.878 E3	9.6	94	0.00	3.00- 3.20
4		AR1016-C	519.173	491.948 E3	5.2	94	0.00	3.43- 3.63
5		AR1016-D	208.168	194.654 E3	6.5	94	0.00	3.63- 3.69
6		AR1016-E	250.337	233.021 E3	6.9	94	0.00	4.12- 4.18
7		AR1260-A	361.126	335.483 E3	7.1	96	0.00	5.62- 5.82
8		AR1260-B	430.591	405.623 E3	5.8	95	0.00	5.90- 6.10
9		AR1260-C	1.088	1.053 E6	3.2	96	0.00	6.54- 6.74
10		AR1260-D	830.003	831.902 E3	-0.2	97	0.00	7.36- 7.56
11		AR1260-E	806.183	772.402 E3	4.2	95	0.00	7.92- 8.12
12		AR1260-F	229.968	217.627 E3	5.4	94	0.00	8.84- 9.04
			True	Calc.	% Drift			
13	s	DCB	56.000	51.112	8.7	93	0.00	9.78- 9.98
			AvgRF	CCRF	% Dev			
14		AR1221-A			----------NA----------			
15		AR1221-B			----------NA----------			
16		AR1221-C			----------NA----------			
17		AR1232-A			----------NA----------			
18		AR1232-B			----------NA----------			
19		AR1232-C			----------NA----------			
20		AR1232-D			----------NA----------			
21		AR1232-E			----------NA----------			
22		AR1242-A			----------NA----------			
23		AR1242-B			----------NA----------			
24		AR1242-C			----------NA----------			
25		AR1242-D			----------NA----------			
26		AR1242-E			----------NA----------			
27		AR1248-A			----------NA----------			
28		AR1248-B			----------NA----------			
29		AR1248-C			----------NA----------			
30		AR1248-D			----------NA----------			
31		AR1248-E			----------NA----------			
32		AR1254-A			----------NA----------			
33		AR1254-B			----------NA----------			
34		AR1254-C			----------NA----------			
35		AR1254-D			----------NA----------			
36		AR1254-E			----------NA----------			
37		AR1262-A			----------NA----------			
38		AR1262-B			----------NA----------			
39		AR1262-C			----------NA----------			
40		AR1262-D			----------NA----------			
41		AR1262-E			----------NA----------			
42		AR1268-A			----------NA----------			
43		AR1268-B			----------NA----------			
44		AR1268-C			----------NA----------			

10.7.9 10

Continuing Calibration Summary

Job Number: MC23272 **Sample:** GBK953-CC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28008.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
45      AR1268-D                              ----------NA----------
46      AR1268-E                              ----------NA----------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    BK27822.d  PC130815.M       Fri Aug 16 07:49:34 2013
```

Continuing Calibration Summary

Job Number: MC23272 **Sample:** GBK953-CC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28009.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\BK130815\
Data File : BK28009.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Aug 2013 2:36 am
Operator : nickk
Sample : cc949-500,a21/54
Misc : op34377,gbk953,15,,,10,,s
ALS Vial : 91 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 07:46:00 2013
Quant Method : C:\msdchem\1\METHODS\PC130815.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	s	TCMX	258.993	256.163 E6	1.1	95	0.00
13	s	DCB	337.753	275.098 E6	18.6#	82#	0.00
32		AR1254-A	19.039	21.830 E6	-14.7	115	0.00
33		AR1254-B	25.744	29.417 E6	-14.3	114	0.00
34		AR1254-C	37.515	42.257 E6	-12.6	113	0.00
35		AR1254-D	13.569	15.022 E6	-10.7	111	0.00
36		AR1254-E	20.384	23.537 E6	-15.5#	115#	0.00
Signal #2							
1	s	TCMX	7.456	5.985 E6	19.7#	76#	0.00
13	s	DCB	8.023	5.283 E6	34.2#	65#	0.00
32		AR1254-A	390.766	373.734 E3	4.4	96	0.00
33		AR1254-B	545.343	541.391 E3	0.7	99	0.00
34		AR1254-C	926.253	925.407 E3	0.1	100	0.00
35		AR1254-D	526.809	509.887 E3	3.2	97	0.00
36		AR1254-E	452.504	448.421 E3	0.9	99	0.00

Evaluate Continuing Calibration Report - Not Founds

2		AR1016-A	4.318	0.000 E6	100.0#	0#	-2.69#
3		AR1016-B	9.764	0.000 E6	100.0#	0#	-2.99#
4		AR1016-C	21.570	0.000 E6	100.0#	0#	-3.41#
5		AR1016-D	13.268	0.000 E6	100.0#	0#	-3.54#
6		AR1016-E	8.695	0.000 E6	100.0#	0#	-3.95#
7		AR1260-A	15.385	0.000 E6	100.0#	0#	-5.39#
8		AR1260-B	31.552	0.000 E6	100.0#	0#	-5.76#
9		AR1260-C	55.702	0.000 E6	100.0#	0#	-6.30#
10		AR1260-D	43.550	0.000 E6	100.0#	0#	-7.11#
11		AR1260-E	39.375	0.000 E6	100.0#	0#	-7.53#

Continuing Calibration Summary

Job Number: MC23272 **Sample:** GBK953-CC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28009.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

12	AR1260-F	9.625	0.000	E6	100.0#	0# -8.49#
14	AR1221-A	2.641	0.000	E6	100.0#	0# -2.00#
15	AR1221-B	2.433	0.000	E6	100.0#	0# -2.53#
16	AR1221-C	7.601	0.000	E6	100.0#	0# -2.69#
17	AR1232-A	5.039	0.000	E6	100.0#	0# -2.69#
18	AR1232-B	4.121	0.000	E6	100.0#	0# -2.98#
19	AR1232-C	10.057	0.000	E6	100.0#	0# -3.41#
20	AR1232-D	5.568	0.000	E6	100.0#	0# -3.74#
21	AR1232-E	8.450	0.000	E6	100.0#	0# -4.45#
22	AR1242-A	4.212	0.000	E6	100.0#	0# -2.69#
23	AR1242-B	9.735	0.000	E6	100.0#	0# -2.99#
24	AR1242-C	22.554	0.000	E6	100.0#	0# -3.41#
25	AR1242-D	14.675	0.000	E6	100.0#	0# -3.74#
26	AR1242-E	18.692	0.000	E6	100.0#	0# -4.45#
27	AR1248-A	4.333	0.000	E6	100.0#	0# -2.98#
28	AR1248-B	12.875	0.000	E6	100.0#	0# -3.41#
29	AR1248-C	18.849	0.000	E6	100.0#	0# -3.74#
30	AR1248-D	23.355	0.000	E6	100.0#	0# -3.95#
31	AR1248-E	28.484	0.000	E6	100.0#	0# -4.42#
37	AR1262-A	10.695	0.000	E6	100.0#	0# -5.39#
38	AR1262-B	24.455	0.000	E6	100.0#	0# -5.76#
39	AR1262-C	49.588	0.000	E6	100.0#	0# -6.30#
40	AR1262-D	51.041	0.000	E6	100.0#	0# -7.58#
41	AR1262-E	14.222	0.000	E6	100.0#	0# -8.49#
42	AR1268-A	8.630	0.000	E6	100.0#	0# -6.30#
43	AR1268-B	12.371	0.000	E6	100.0#	0# -6.65#
44	AR1268-C	93.450	0.000	E6	100.0#	0# -7.58#
45	AR1268-D	39.393	0.000	E6	100.0#	0# -7.94#
46	AR1268-E	109.644	0.000	E6	100.0#	0# -8.94#

Signal #2

2	AR1016-A	124.940	0.000	E3	100.0#	0# -2.76#
3	AR1016-B	268.753	0.000	E3	100.0#	0# -3.10#
4	AR1016-C	519.173	0.000	E3	100.0#	0# -3.53#
5	AR1016-D	208.168	0.000	E3	100.0#	0# -3.66#
6	AR1016-E	250.337	0.000	E3	100.0#	0# -4.15#
7	AR1260-A	361.126	0.000	E3	100.0#	0# -5.71#
8	AR1260-B	430.591	0.000	E3	100.0#	0# -6.00#
9	AR1260-C	1.088	0.000	E6	100.0#	0# -6.64#
10	AR1260-D	830.003	0.000	E3	100.0#	0# -7.46#
11	AR1260-E	806.183	0.000	E3	100.0#	0# -8.02#
12	AR1260-F	229.968	0.000	E3	100.0#	0# -8.94#
14	AR1221-A	47.038	0.000	E3	100.0#	0# -2.04#
15	AR1221-B	72.753	0.000	E3	100.0#	0# -2.59#
16	AR1221-C	176.243	0.000	E3	100.0#	0# -2.76#
17	AR1232-A	140.373	0.000	E3	100.0#	0# -2.76#
18	AR1232-B	119.954	0.000	E3	100.0#	0# -3.10#
19	AR1232-C	253.625	0.000	E3	100.0#	0# -3.53#
20	AR1232-D	157.301	0.000	E3	100.0#	0# -3.86#
21	AR1232-E	255.372	0.000	E3	100.0#	0# -4.64#
22	AR1242-A	128.566	0.000	E3	100.0#	0# -2.75#
23	AR1242-B	270.913	0.000	E3	100.0#	0# -3.10#
24	AR1242-C	538.459	0.000	E3	100.0#	0# -3.53#
25	AR1242-D	372.352	0.000	E3	100.0#	0# -3.86#
26	AR1242-E	542.842	0.000	E3	100.0#	0# -4.64#
27	AR1248-A	124.647	0.000	E3	100.0#	0# -3.10#
28	AR1248-B	310.005	0.000	E3	100.0#	0# -3.53#
29	AR1248-C	482.625	0.000	E3	100.0#	0# -3.86#
30	AR1248-D	793.765	0.000	E3	100.0#	0# -4.64#

Continuing Calibration Summary

Job Number: MC23272 **Sample:** GBK953-CC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28009.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

31	AR1248-E	467.207	0.000	E3	100.0#	0# -4.92#
37	AR1262-A	274.660	0.000	E3	100.0#	0# -5.71#
38	AR1262-B	292.894	0.000	E3	100.0#	0# -6.00#
39	AR1262-C	973.150	0.000	E3	100.0#	0# -6.64#
40	AR1262-D	1.036	0.000	E6	100.0#	0# -8.01#
41	AR1262-E	335.108	0.000	E3	100.0#	0# -8.94#
42	AR1268-A	166.503	0.000	E3	100.0#	0# -6.64#
43	AR1268-B	243.475	0.000	E3	100.0#	0# -7.08#
44	AR1268-C	2.005	0.000	E6	100.0#	0# -8.01#
45	AR1268-D	849.450	0.000	E3	100.0#	0# -8.47#
46	AR1268-E	2.726	0.000	E6	100.0#	0# -9.46#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

PC130815.M Fri Aug 16 07:46:04 2013

New England ACCUTEST LABORATORIES

GC Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/16/13 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130815\
Data File : be37682.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 18:28:37
Operator : nickk
Sample : mc23272-3,op34308
Misc : op34308,gbe1960,5.69,,,10,,s
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 09:41:11 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.638	3.599	55713736	40542886	19.340m	21.563m
	Spiked Amount 40.000			Recovery	=	48.35%	53.91%
38) s	DCB	11.379	11.800	35458284	22688144	18.214m	22.166m
	Spiked Amount 40.000			Recovery	=	45.53%	55.42%
	Target Compounds						

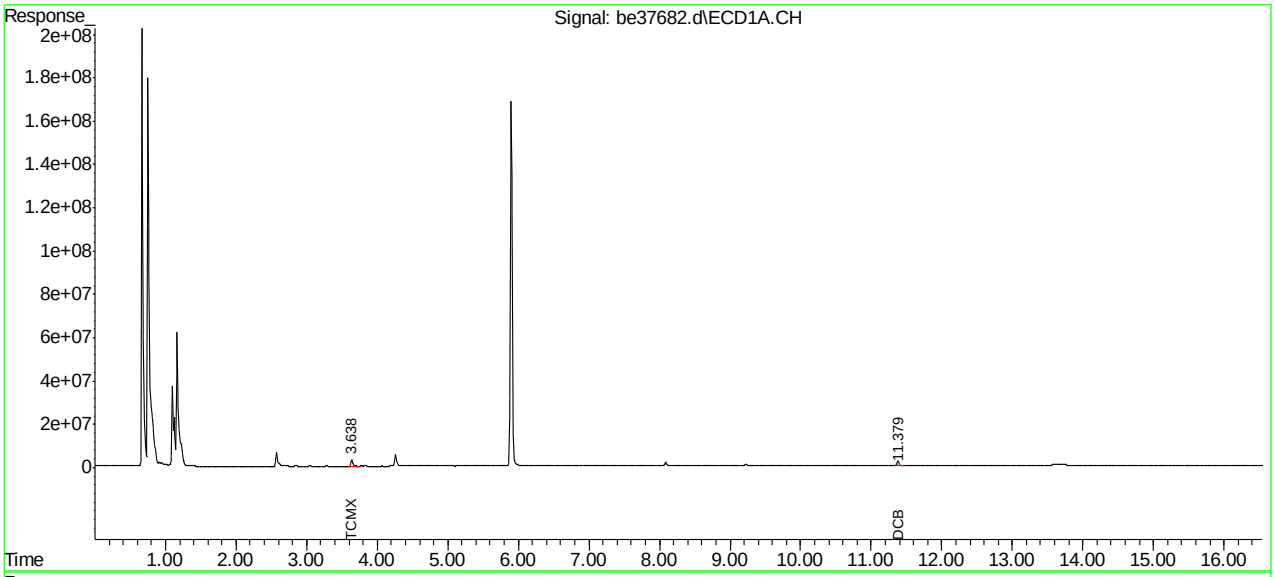
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

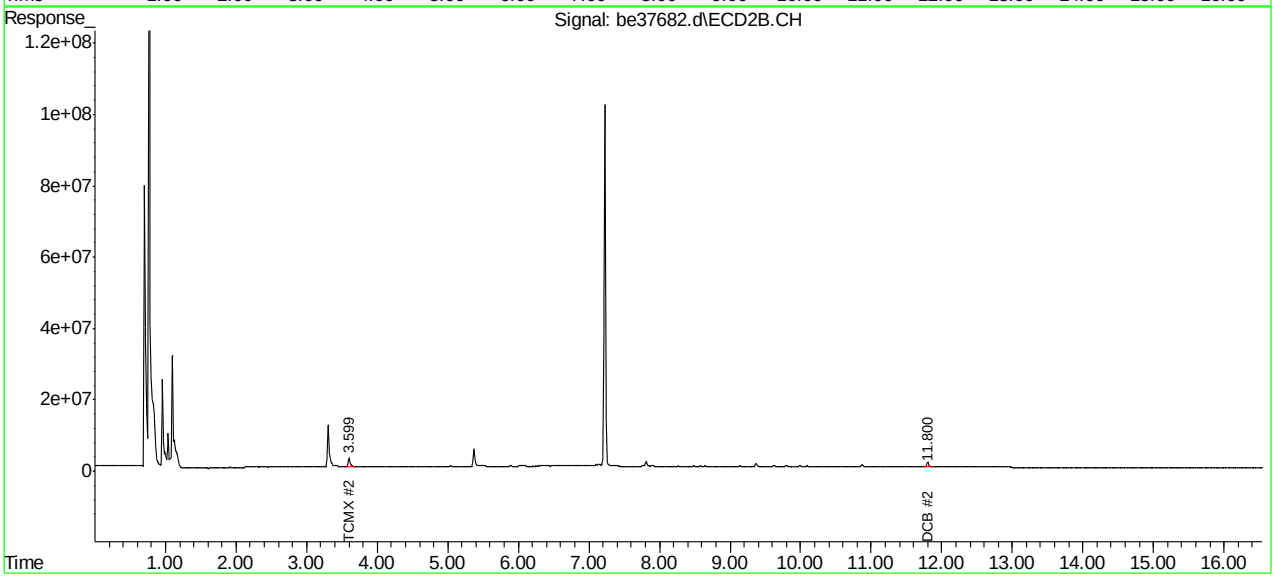
Quantitation Report (QT Reviewed)

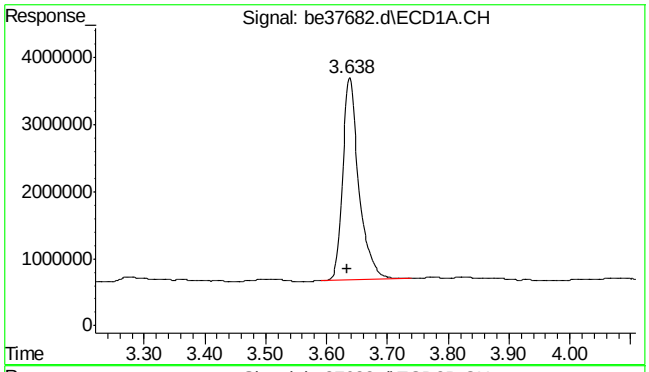
Data Path : C:\msdchem\1\data\BE130815\
Data File : be37682.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 18:28:37
Operator : nickk
Sample : mc23272-3,op34308
Misc : op34308,gbe1960,5.69,,,10,,s
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 09:41:11 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

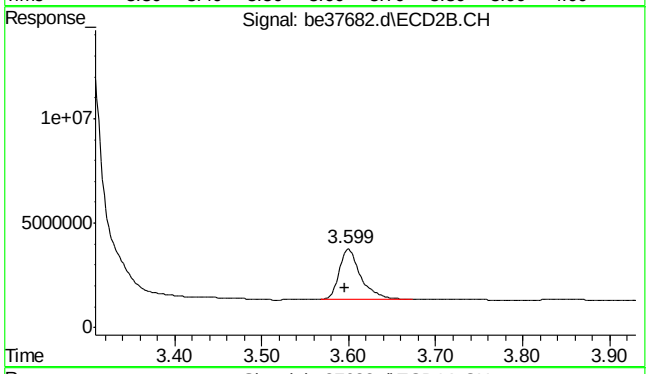






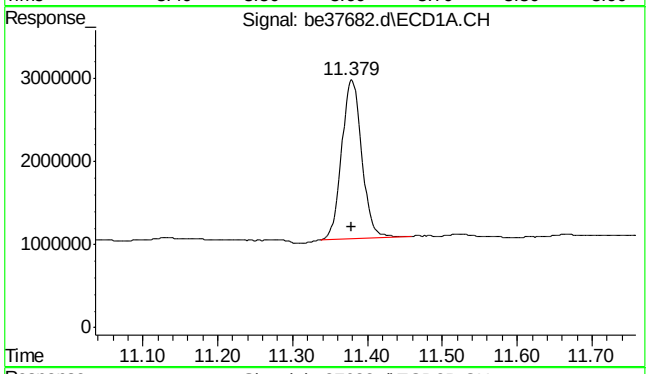
#1 TCMX

R.T.: 3.638 min
Delta R.T.: 0.004 min
Response: 55713736
Conc: 19.34 ppb m



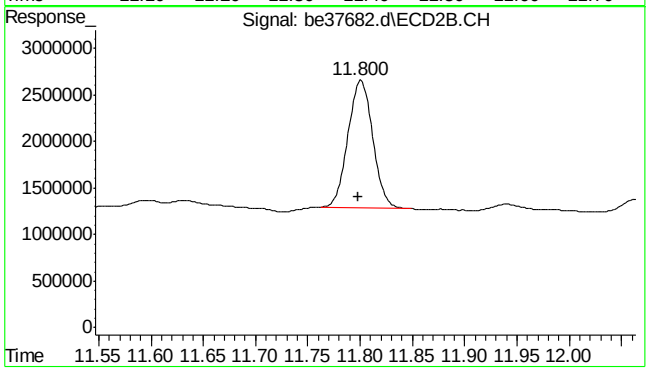
#1 TCMX

R.T.: 3.599 min
Delta R.T.: 0.004 min
Response: 40542886
Conc: 21.56 ppb m



#38 DCB

R.T.: 11.379 min
Delta R.T.: 0.000 min
Response: 35458284
Conc: 18.21 ppb m



#38 DCB

R.T.: 11.800 min
Delta R.T.: 0.002 min
Response: 22688144
Conc: 22.17 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/19/13 11:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130815\
Data File : BK28002.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Aug 2013 12:23 am
Operator : nickk
Sample : mc23272-3,op34307
Misc : op34307,gbk953,5.69,,,10,,s
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:05:18 2013
Quant Method : C:\msdchem\1\METHODS\PC130815.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) s TCMX	2.402	2.373	8546.0E6	207.7E6	32.997m	27.854m
Spiked Amount 40.000			Recovery =		82.49%	69.64%
13) s DCB	9.242	9.876	11903.0E6	240.4E6	35.305m	29.298m
Spiked Amount 40.000			Recovery =		88.26%	73.24%
Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

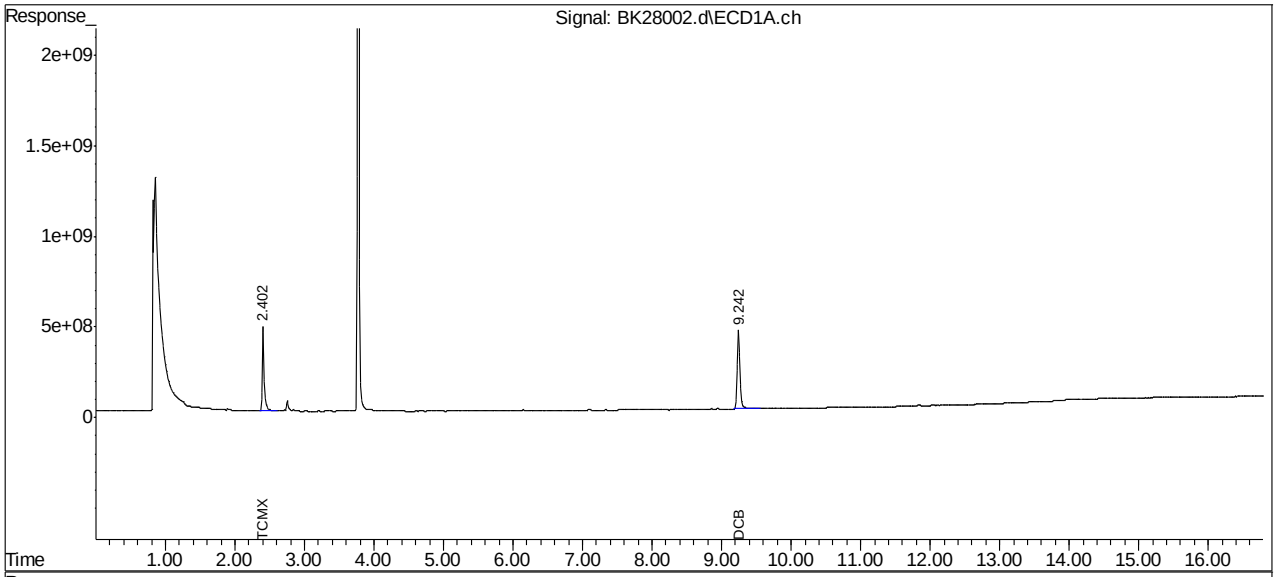
11.1.2
11

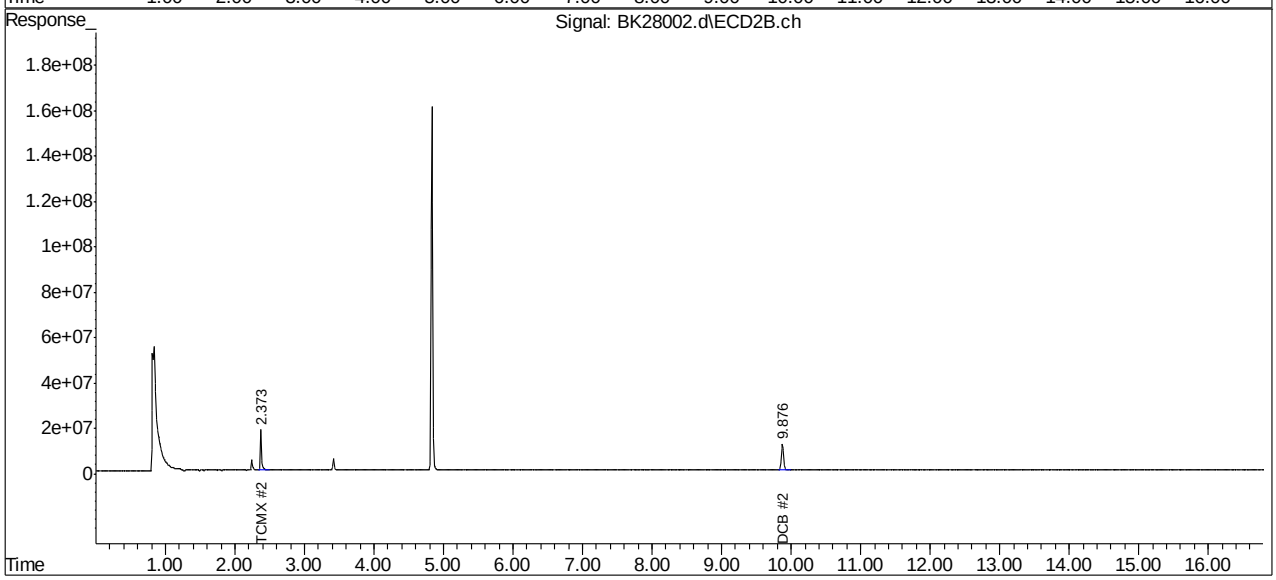
Quantitation Report (QT Reviewed)

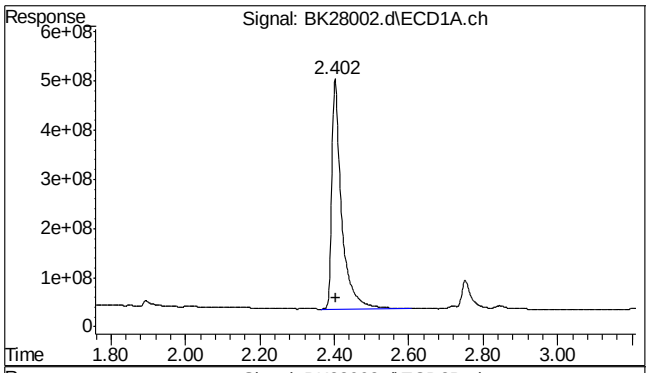
Data Path : C:\msdchem\1\DATA\BK130815\
Data File : BK28002.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Aug 2013 12:23 am
Operator : nickk
Sample : mc23272-3,op34307
Misc : op34307,gbk953,5.69,,,10,,s
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:05:18 2013
Quant Method : C:\msdchem\1\METHODS\PC130815.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

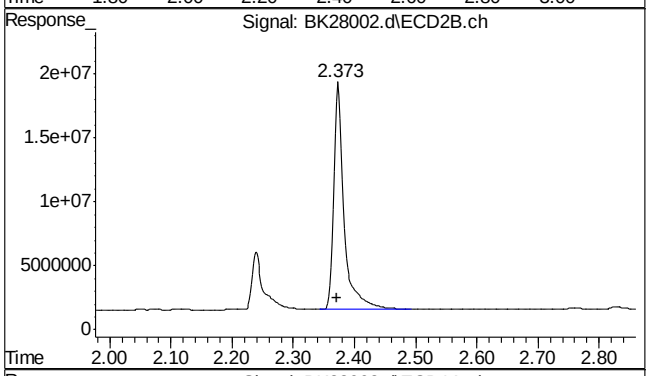






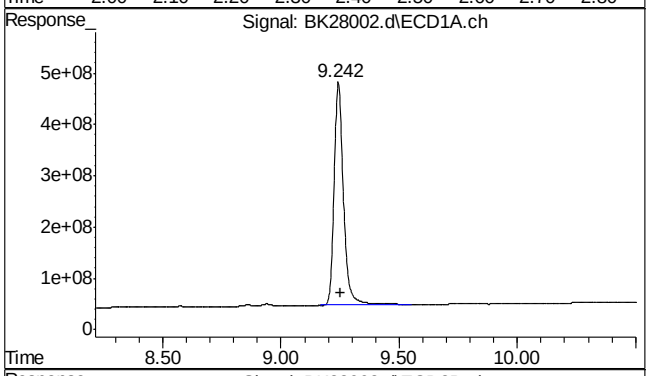
#1 TCMX

R.T.: 2.402 min
Delta R.T.: -0.001 min
Response: 8546008253
Conc: 33.00 ppb m



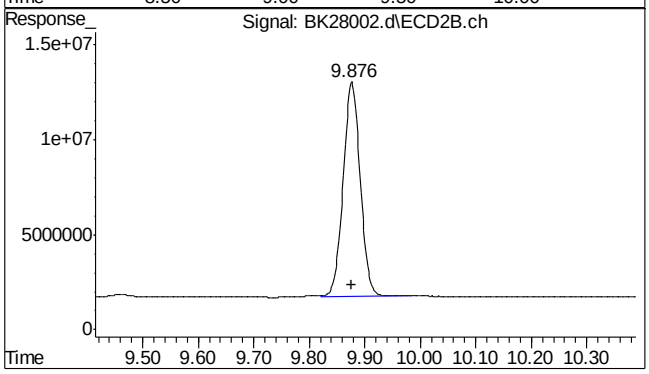
#1 TCMX

R.T.: 2.373 min
Delta R.T.: 0.002 min
Response: 207684729
Conc: 27.85 ppb m



#13 DCB

R.T.: 9.242 min
Delta R.T.: -0.008 min
Response: 11902992410
Conc: 35.31 ppb m



#13 DCB

R.T.: 9.876 min
Delta R.T.: 0.000 min
Response: 240430380
Conc: 29.30 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/16/13 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130815\
Data File : be37674.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 15:38:01
Operator : nickk
Sample : op34308-mb
Misc : op34308,gbe1960,20.91,,,10,,s
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 15 16:46:00 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.638	3.599	50309138	37736192	17.464m	20.070m
	Spiked Amount 40.000			Recovery	=	43.66%	50.18%
38) s	DCB	11.379	11.799	30370289	19278387	15.600m	18.835m
	Spiked Amount 40.000			Recovery	=	39.00%	47.09%
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

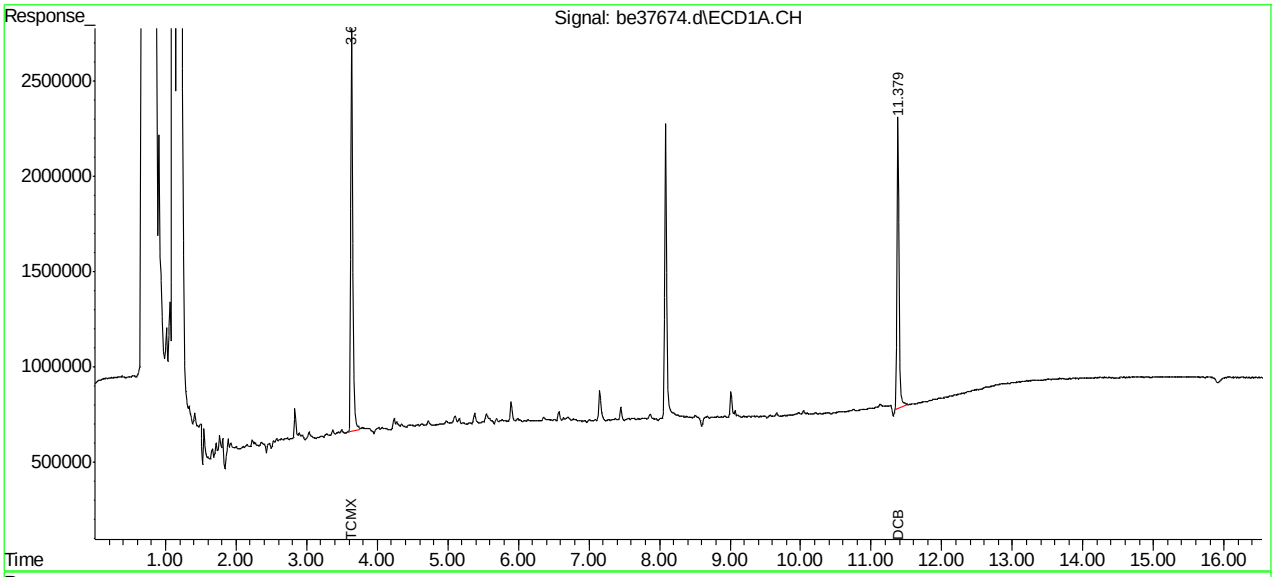
11.2.1
11

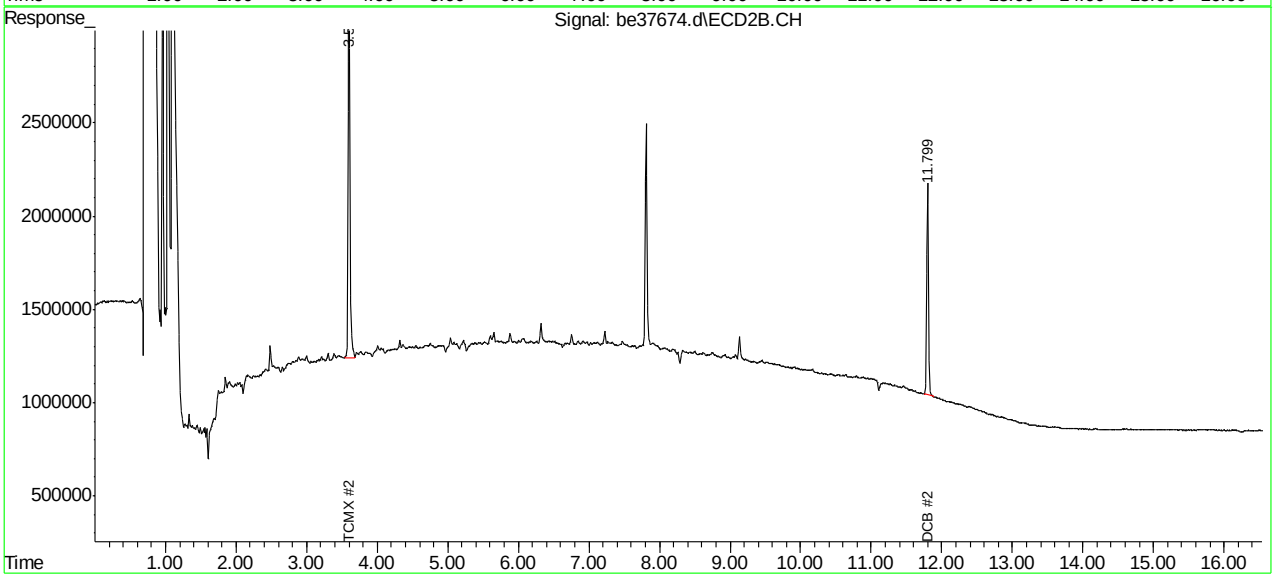
Quantitation Report (QT Reviewed)

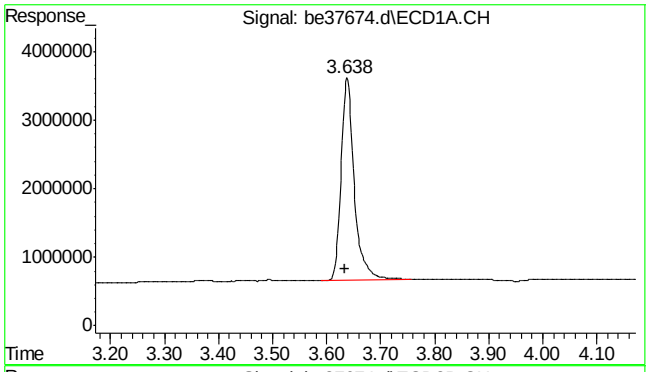
Data Path : C:\msdchem\1\data\BE130815\
Data File : be37674.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 15:38:01
Operator : nickk
Sample : op34308-mb
Misc : op34308,gbe1960,20.91,,,10,,s
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 15 16:46:00 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

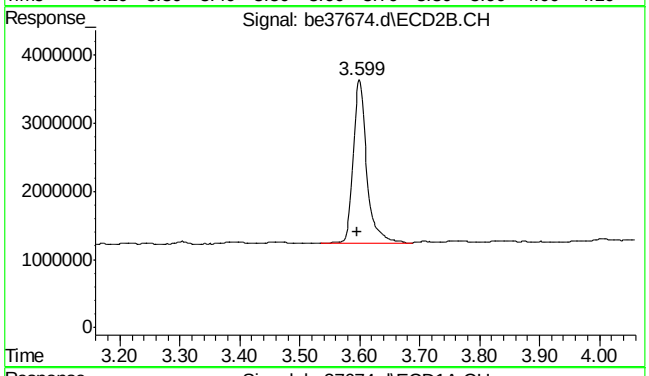






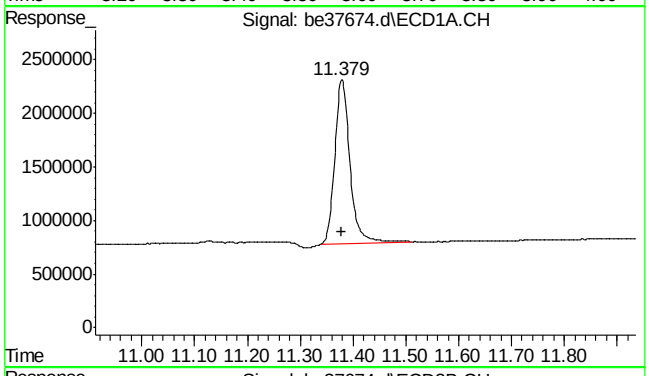
#1 TCMX

R.T.: 3.638 min
Delta R.T.: 0.004 min
Response: 50309138
Conc: 17.46 ppb m



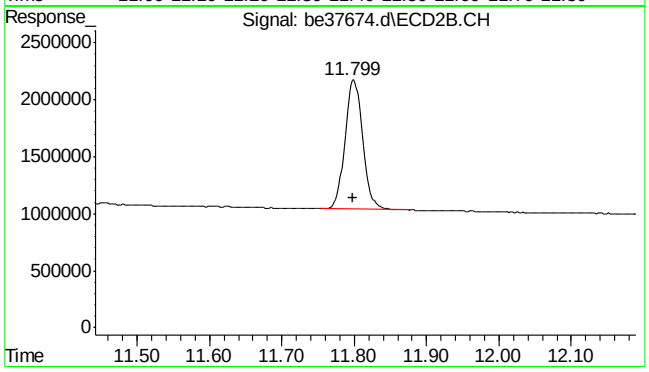
#1 TCMX

R.T.: 3.599 min
Delta R.T.: 0.004 min
Response: 37736192
Conc: 20.07 ppb m



#38 DCB

R.T.: 11.379 min
Delta R.T.: 0.000 min
Response: 30370289
Conc: 15.60 ppb m



#38 DCB

R.T.: 11.799 min
Delta R.T.: 0.000 min
Response: 19278387
Conc: 18.83 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/19/13 11:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130815\
Data File : BK27998.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2013 11:07 pm
Operator : nickk
Sample : op34307-mb
Misc : op34307,gbk953,20.91,,,10,,s
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 13:53:07 2013
Quant Method : C:\msdchem\1\METHODS\PC130815.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.401	2.371	8895.5E6	217.3E6	34.346	29.144m
	Spiked Amount 40.000			Recovery =		85.86%	72.86%
13) s	DCB	9.242	9.876	12290.9E6	252.8E6	36.568m	30.934m
	Spiked Amount 40.000			Recovery =		91.42%	77.33%
	Target Compounds						

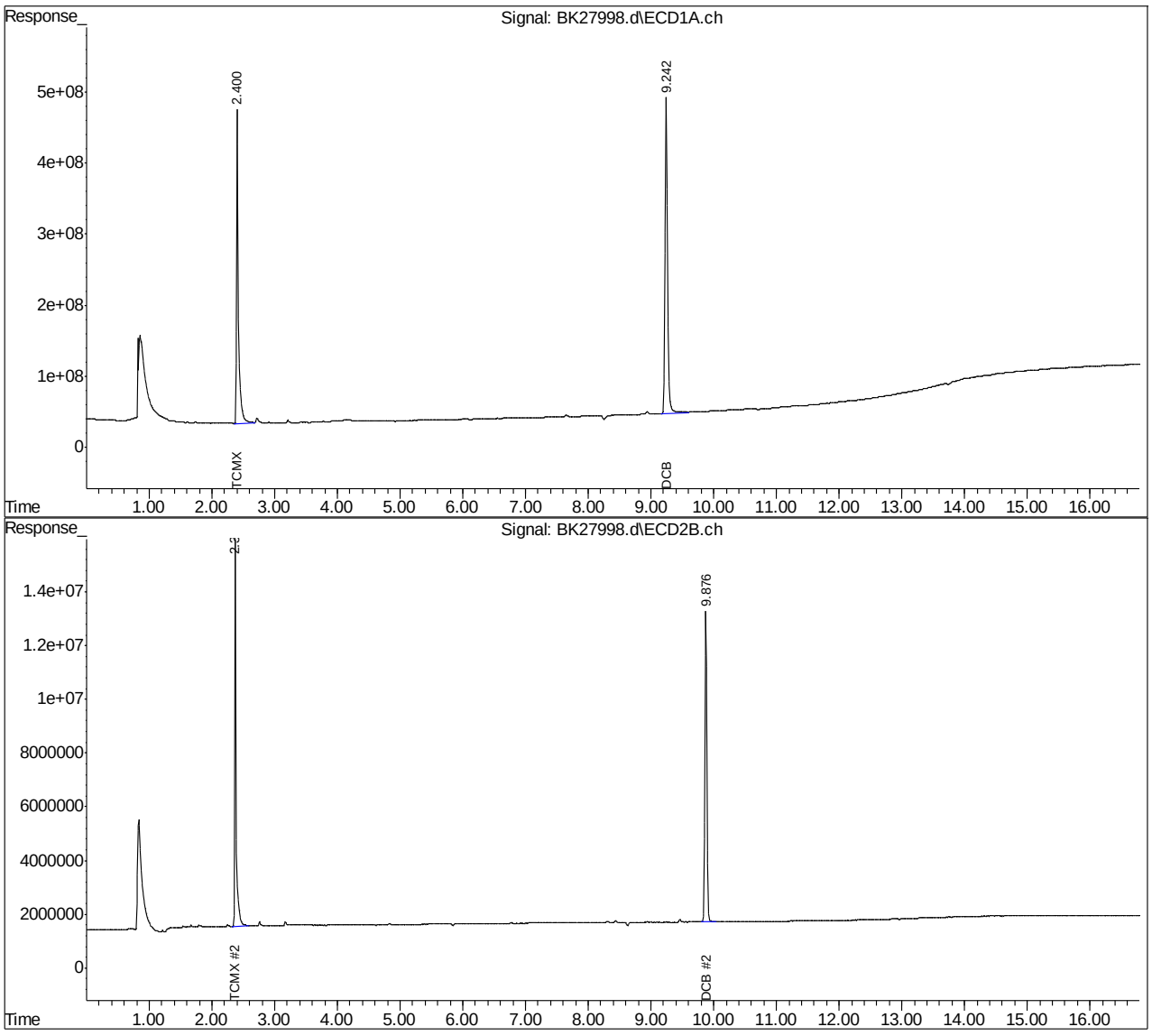
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

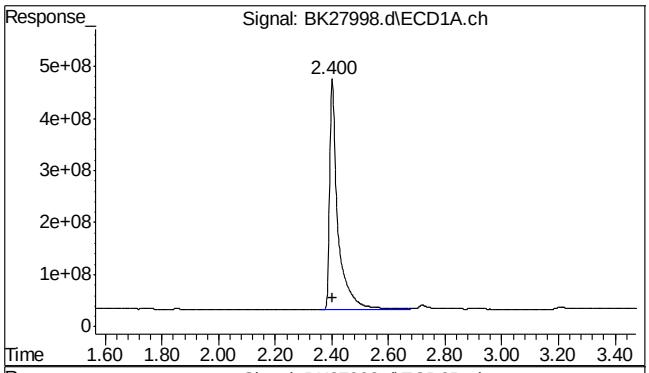
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130815\
Data File : BK27998.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2013 11:07 pm
Operator : nickk
Sample : op34307-mb
Misc : op34307,gbk953,20.91,,,10,,s
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 13:53:07 2013
Quant Method : C:\msdchem\1\METHODS\PC130815.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

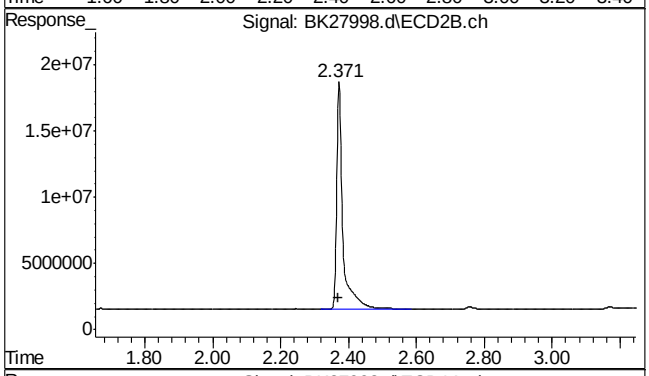
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





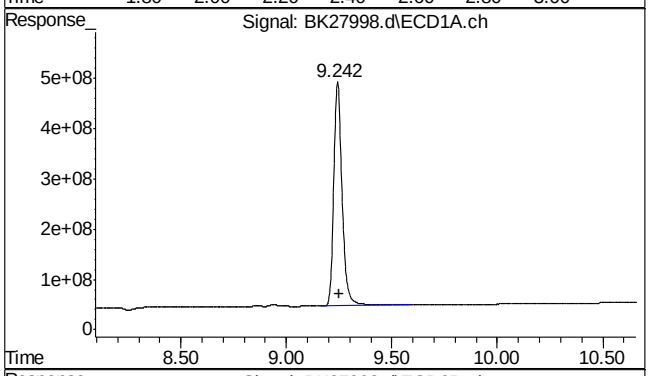
#1 TCMX

R.T.: 2.401 min
Delta R.T.: -0.002 min
Response: 8895478315
Conc: 34.35 ppb



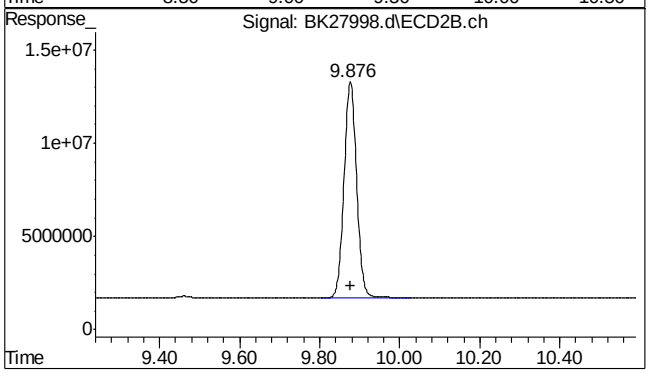
#1 TCMX

R.T.: 2.371 min
Delta R.T.: 0.000 min
Response: 217300064
Conc: 29.14 ppb m



#13 DCB

R.T.: 9.242 min
Delta R.T.: -0.008 min
Response: 12290912528
Conc: 36.57 ppb m



#13 DCB

R.T.: 9.876 min
Delta R.T.: 0.000 min
Response: 252806925
Conc: 30.93 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/16/13 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130815\
Data File : be37675.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 15:58:46
Operator : nickk
Sample : op34308-bs
Misc : op34308,gbe1960,15.94,,,10,,s
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 15 16:50:28 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.634	3.597	60473504	44896396	20.992m	23.879m
	Spiked Amount 40.000			Recovery	=	52.48%	59.70%
38) s	DCB	11.379	11.800	37489839	24762659	19.257m	24.193m#
	Spiked Amount 40.000			Recovery	=	48.14%	60.48%
	Target Compounds						
2)	Hexachlor...	4.235	4.320	48897358	35478130	11.363m	12.276
3)	Alpha-BHC	4.494	4.545	50676951	39321223	10.759m	12.058
4)	Gamma-BHC	4.979	5.086	46467750	37214847	10.956m	12.472m
5)	Beta-BHC	5.111	5.220	21161404	15105399	11.998m	12.029m
6)	Heptachlor	5.689	5.725	46892928	35472482	11.397m	13.180
7)	Delta-BHC	5.376	5.653	38294287	30067663	9.190m	10.034m
8)	Alachlor	6.353	6.079	40955555	30095733	128.624m	141.254m
9)	Aldrin	6.129	6.187	45142593	31702549	11.930m	11.803m
10)	Heptachlo...	6.999	7.005	38891932	28521870	11.453m	13.850m
11)	Gamma-Chl...	7.173	7.266	40203526	28331889	11.624m	12.165m
12)	Alpha-Chl...	7.360	7.470	36875783	26511935	11.758m	12.218
13)	Endosulfan-I	7.549	7.543	35742336	25902543	11.486m	13.026
14)	4,4'-DDE	7.479	7.720	32926143	24689787	11.453	12.293m
15)	Dieldrin	7.880	7.920	37923004	28519026	11.628	12.697
16)	Endrin	8.198	8.333	33732529	24962732	12.390	13.117m
17)	4,4'-DDD	8.297	8.507	24460595	18060992	10.947m	11.587
18)	Endosulfa...	8.502	8.623	28086877	20966209	10.804m	11.761
19)	4,4'-DDT	8.676	8.925	26121375	19580989	10.682m	12.098
20)	Endrin Al...	9.073	9.081	19456103	14478531	9.221	10.212m
21)	Endosulfa...	9.659	9.450	22784572	19094650	10.066	11.852m
22)	Methoxychlor	9.332	9.860	12328605	9370941	10.903	13.512m
23)	Endrin Ke...	10.034	10.165	26456885	19857171	10.349m	11.761m

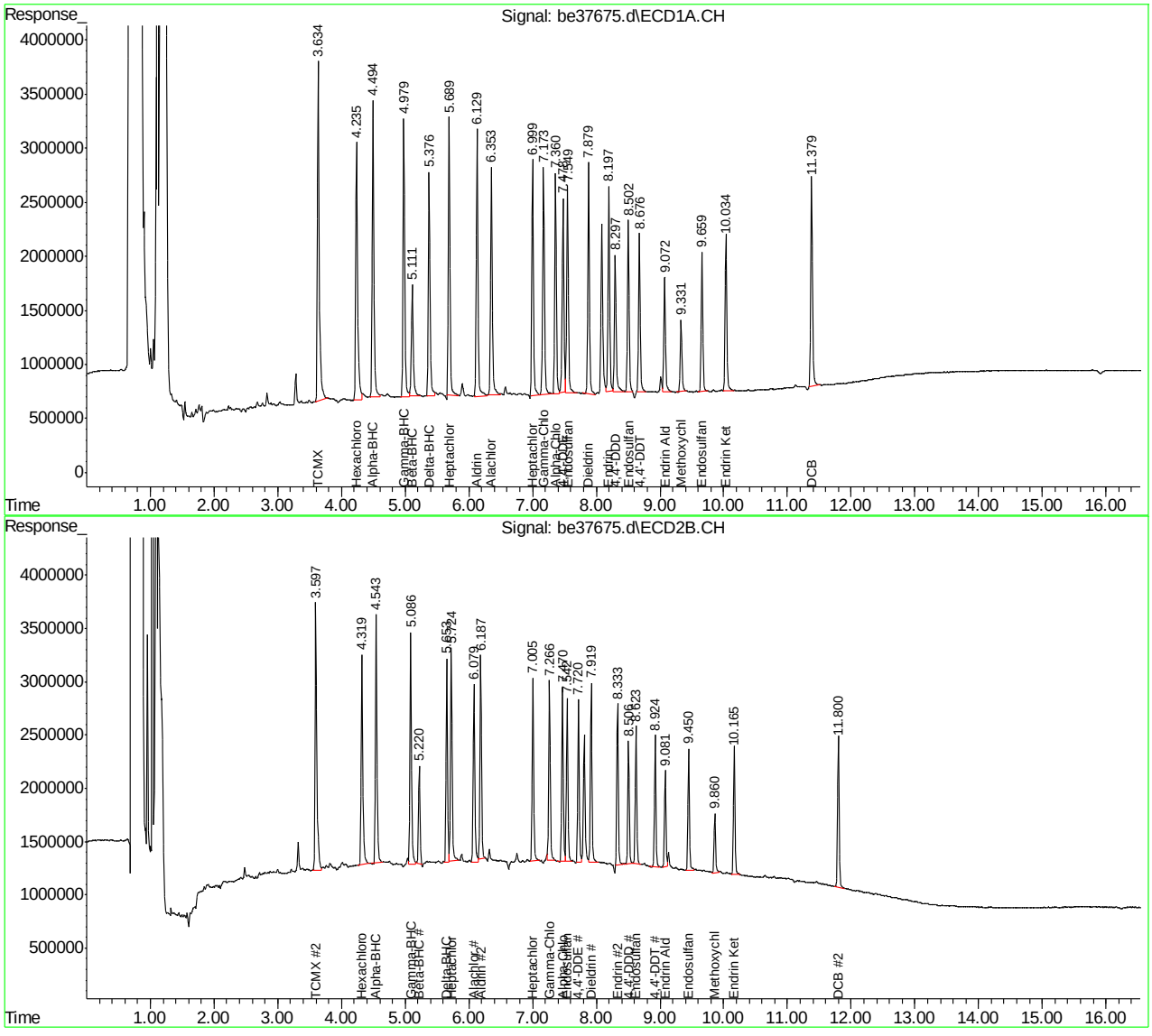
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

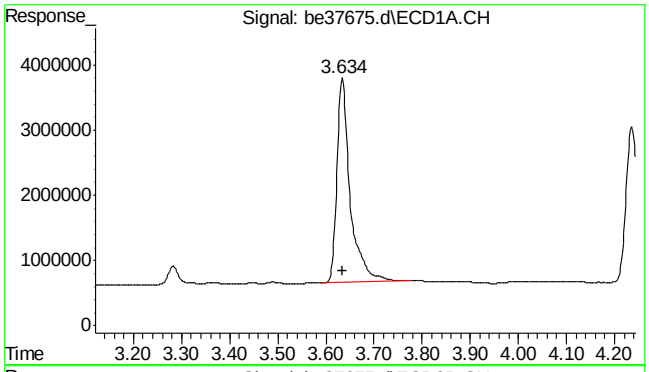
Data Path : C:\msdchem\1\data\BE130815\
Data File : be37675.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 15:58:46
Operator : nickk
Sample : op34308-bs
Misc : op34308,gbe1960,15.94,,,10,,s
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 15 16:50:28 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

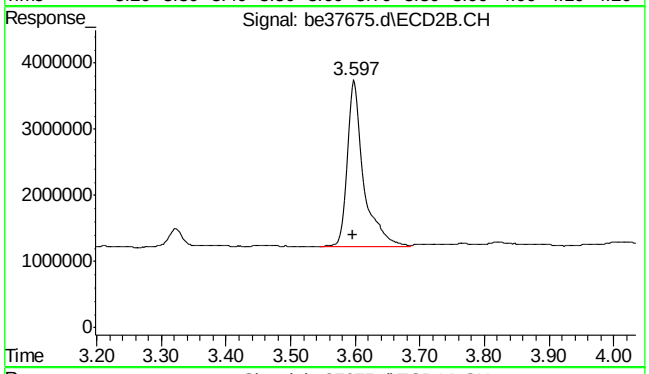


ACCUTEST LABORATORIES MC23272



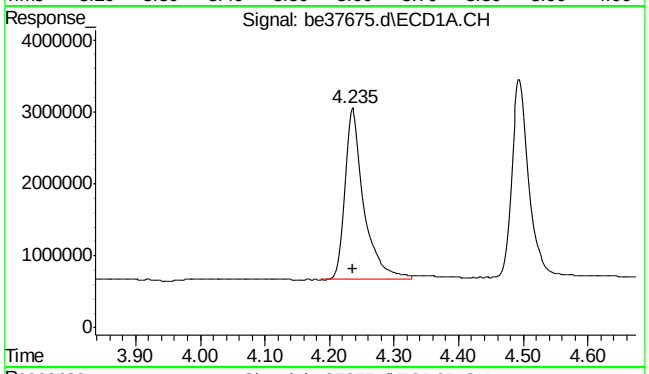
#1 TCMX

R.T.: 3.634 min
Delta R.T.: 0.000 min
Response: 60473504
Conc: 20.99 ppb m



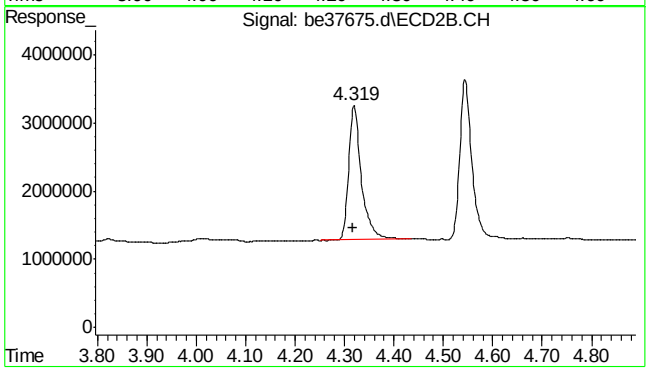
#1 TCMX

R.T.: 3.597 min
Delta R.T.: 0.002 min
Response: 44896396
Conc: 23.88 ppb m



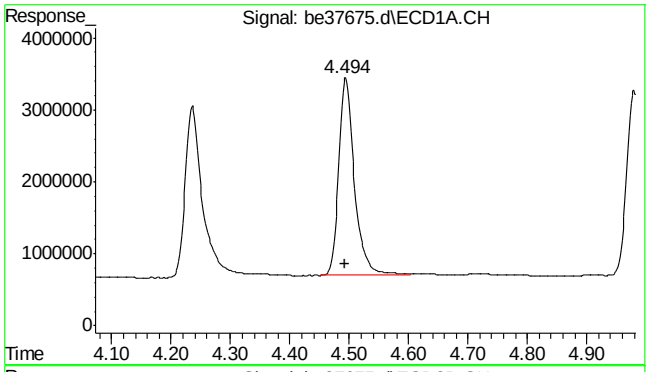
#2 Hexachlorobenzene

R.T.: 4.235 min
Delta R.T.: 0.000 min
Response: 48897358
Conc: 11.36 ppb m



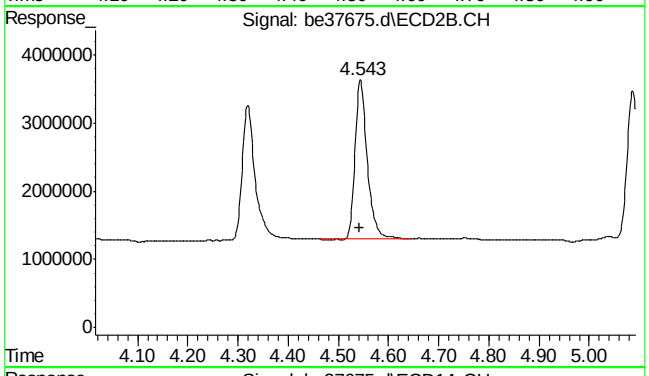
#2 Hexachlorobenzene

R.T.: 4.320 min
Delta R.T.: 0.004 min
Response: 35478130
Conc: 12.28 ppb



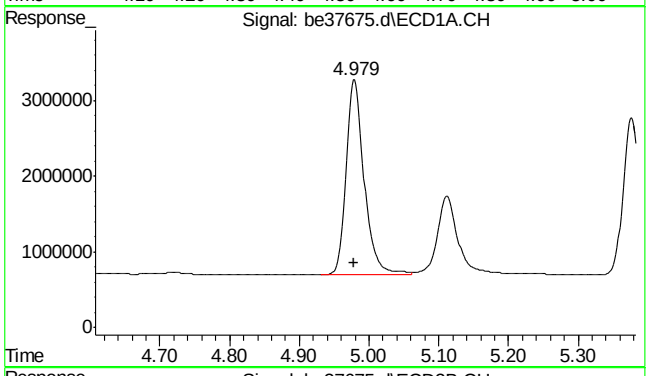
#3 Alpha-BHC

R.T.: 4.494 min
Delta R.T.: 0.000 min
Response: 50676951
Conc: 10.76 ppb m



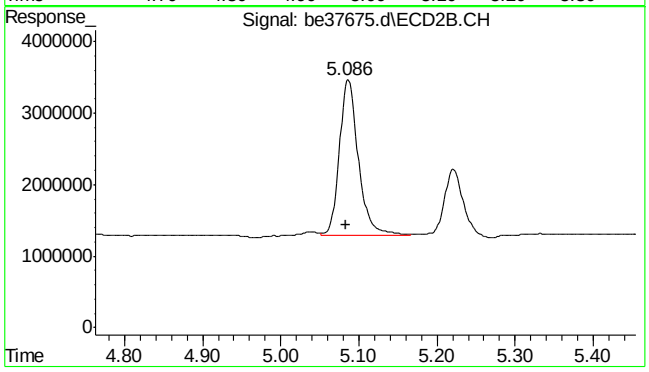
#3 Alpha-BHC

R.T.: 4.545 min
Delta R.T.: 0.003 min
Response: 39321223
Conc: 12.06 ppb



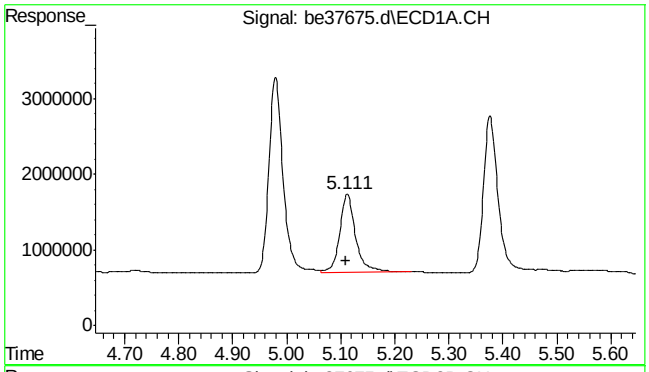
#4 Gamma-BHC

R.T.: 4.979 min
Delta R.T.: 0.000 min
Response: 46467750
Conc: 10.96 ppb m



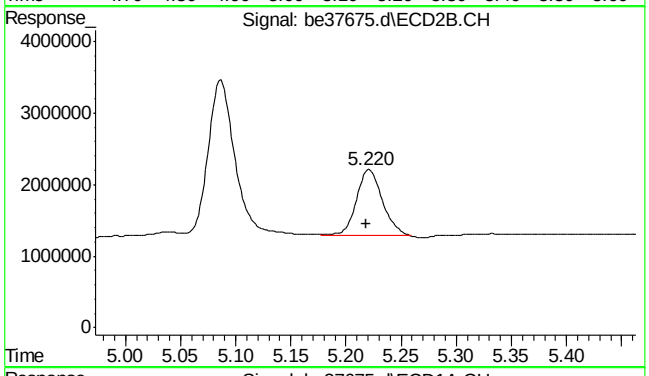
#4 Gamma-BHC

R.T.: 5.086 min
Delta R.T.: 0.002 min
Response: 37214847
Conc: 12.47 ppb m



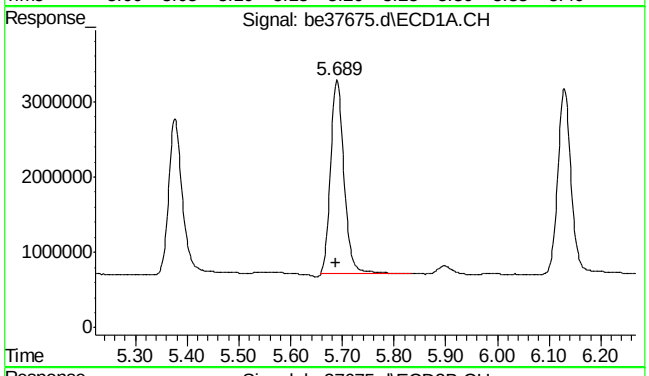
#5 Beta-BHC

R.T.: 5.111 min
Delta R.T.: 0.000 min
Response: 21161404
Conc: 12.00 ppb m



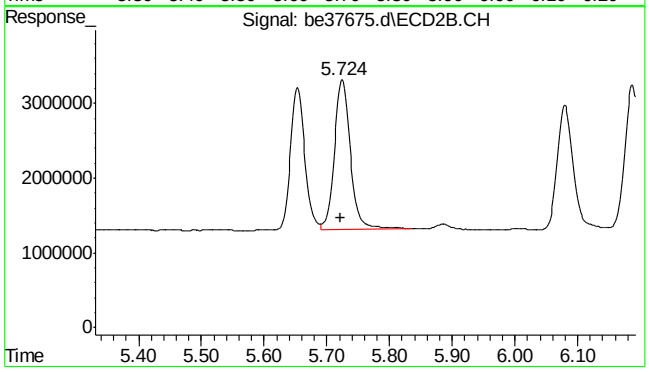
#5 Beta-BHC

R.T.: 5.220 min
Delta R.T.: 0.002 min
Response: 15105399
Conc: 12.03 ppb m



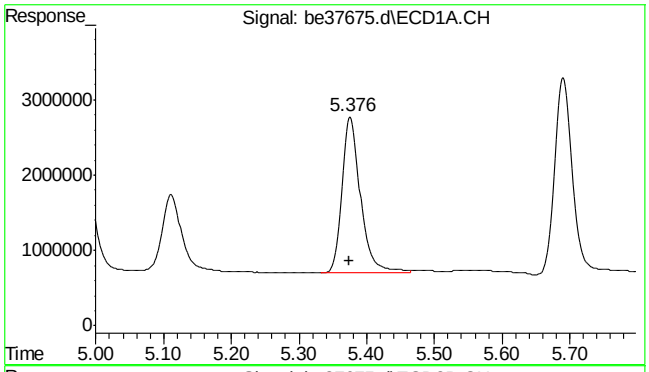
#6 Heptachlor

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 46892928
Conc: 11.40 ppb m



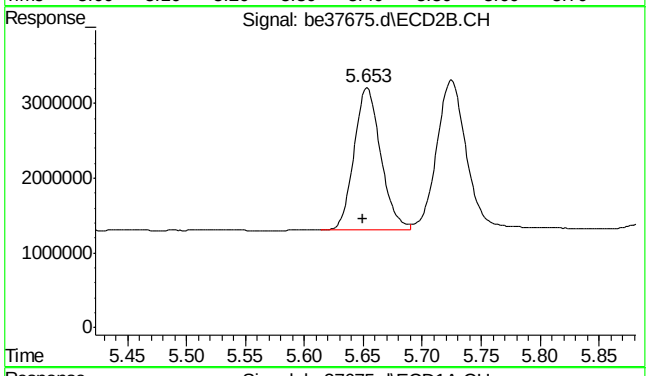
#6 Heptachlor

R.T.: 5.725 min
Delta R.T.: 0.004 min
Response: 35472482
Conc: 13.18 ppb



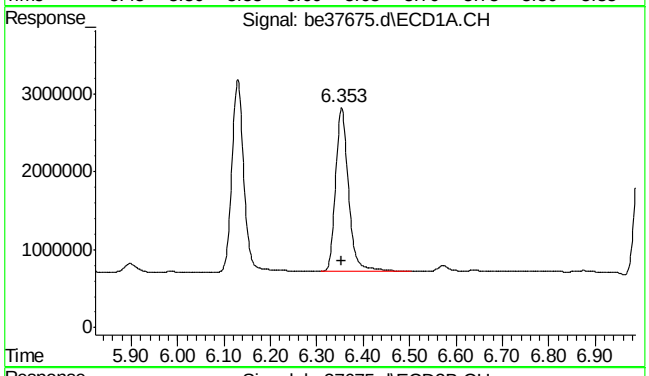
#7 Delta-BHC

R.T.: 5.376 min
Delta R.T.: 0.000 min
Response: 38294287
Conc: 9.19 ppb m



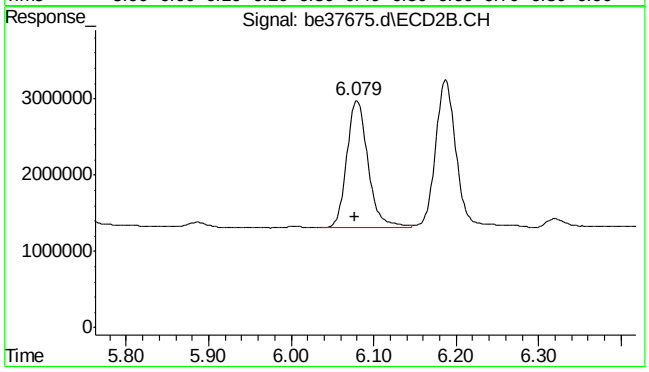
#7 Delta-BHC

R.T.: 5.653 min
Delta R.T.: 0.003 min
Response: 30067663
Conc: 10.03 ppb m



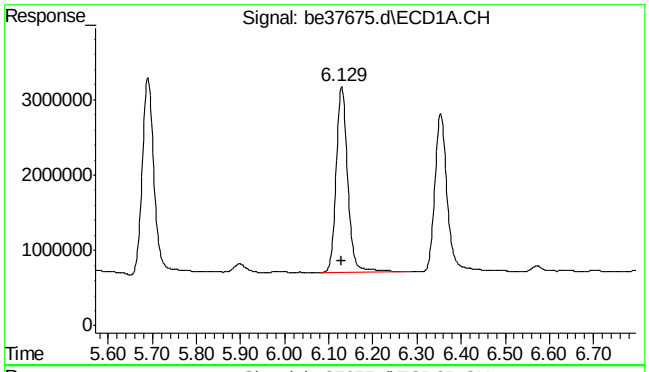
#8 Alachlor

R.T.: 6.353 min
Delta R.T.: 0.000 min
Response: 40955555
Conc: 128.62 ppb m



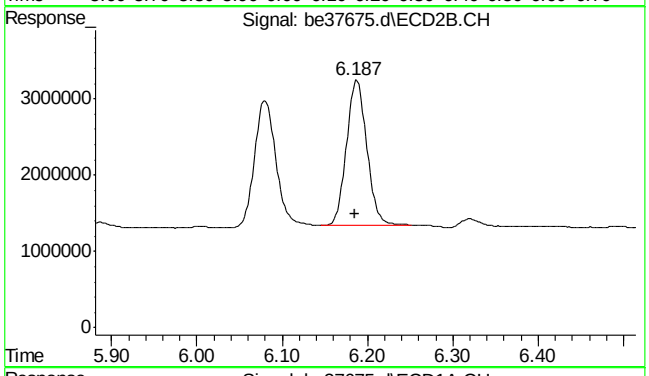
#8 Alachlor

R.T.: 6.079 min
Delta R.T.: 0.001 min
Response: 30095733
Conc: 141.25 ppb m



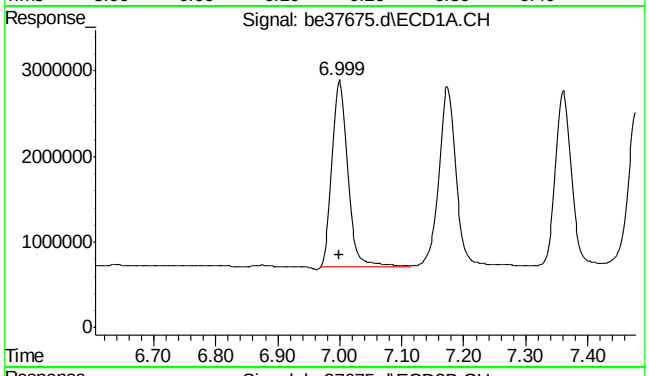
#9 Aldrin

R.T.: 6.129 min
Delta R.T.: 0.000 min
Response: 45142593
Conc: 11.93 ppb m



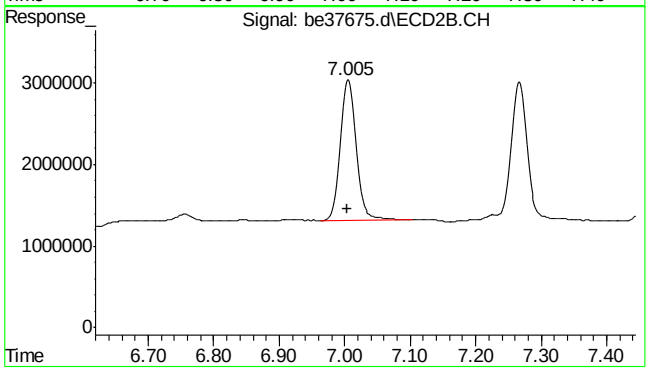
#9 Aldrin

R.T.: 6.187 min
Delta R.T.: 0.002 min
Response: 31702549
Conc: 11.80 ppb m



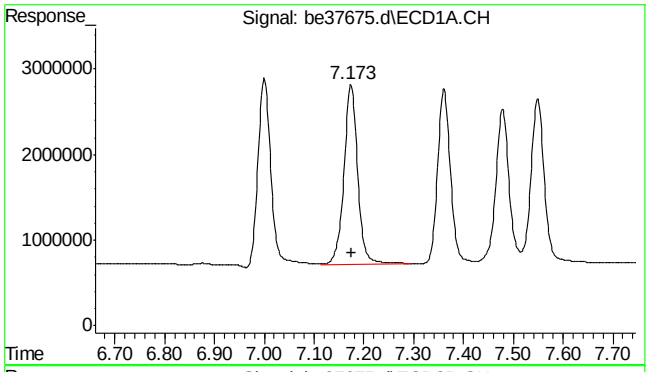
#10 Heptachlor Epoxide

R.T.: 6.999 min
Delta R.T.: 0.000 min
Response: 38891932
Conc: 11.45 ppb m



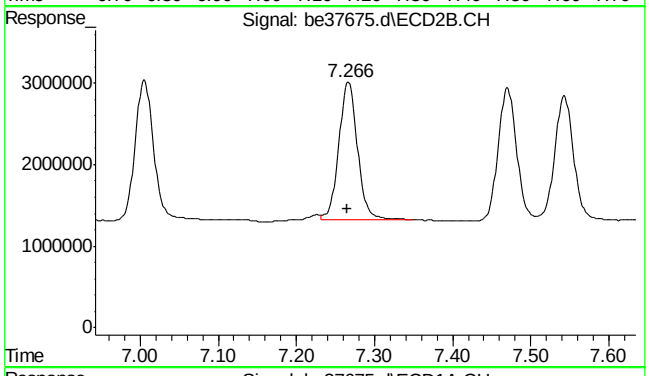
#10 Heptachlor Epoxide

R.T.: 7.005 min
Delta R.T.: 0.000 min
Response: 28521870
Conc: 13.85 ppb m



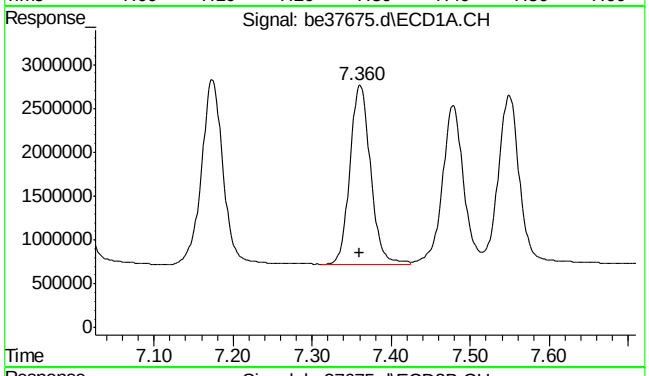
#11 Gamma-Chlordane

R.T.: 7.173 min
Delta R.T.: -0.001 min
Response: 40203526
Conc: 11.62 ppb m



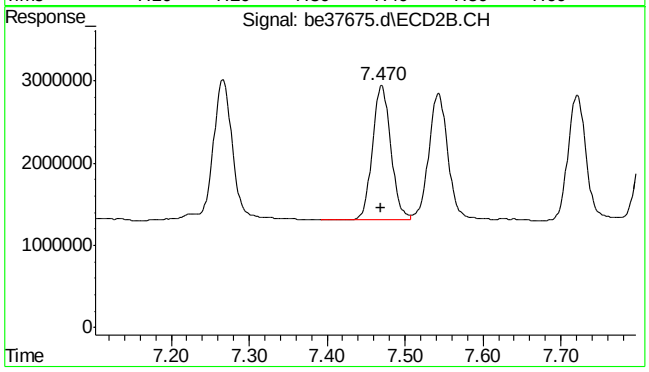
#11 Gamma-Chlordane

R.T.: 7.266 min
Delta R.T.: 0.001 min
Response: 28331889
Conc: 12.17 ppb m



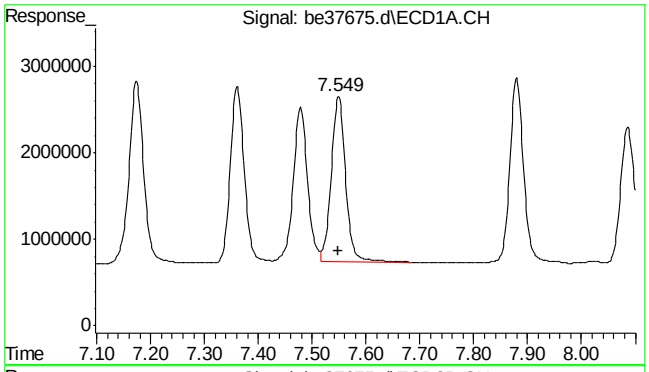
#12 Alpha-Chlordane

R.T.: 7.360 min
Delta R.T.: 0.000 min
Response: 36875783
Conc: 11.76 ppb m



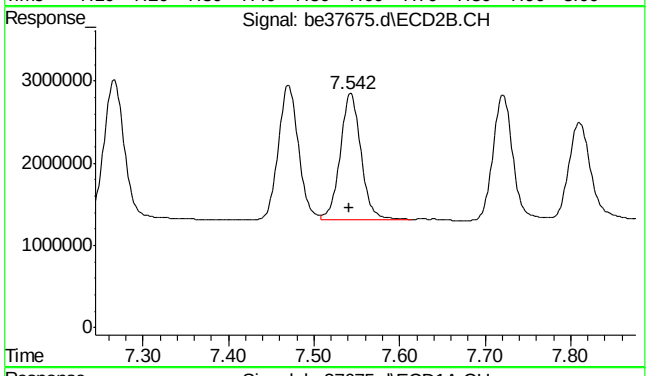
#12 Alpha-Chlordane

R.T.: 7.470 min
Delta R.T.: 0.002 min
Response: 26511935
Conc: 12.22 ppb



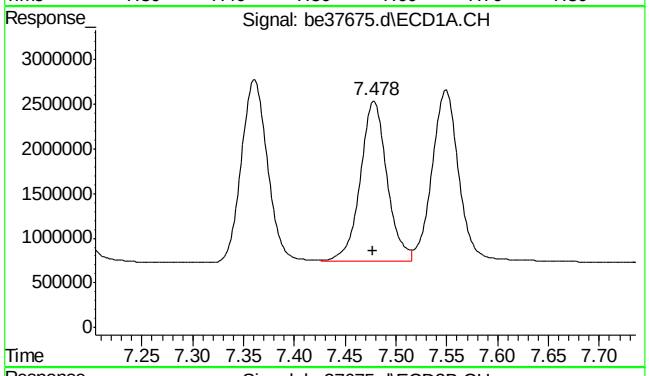
#13 Endosulfan-I

R.T.: 7.549 min
Delta R.T.: 0.000 min
Response: 35742336
Conc: 11.49 ppb m



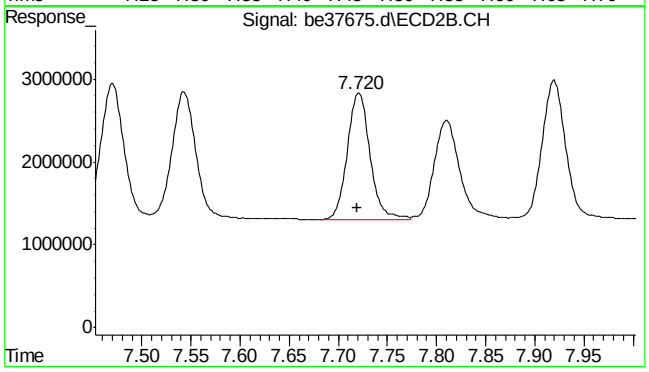
#13 Endosulfan-I

R.T.: 7.543 min
Delta R.T.: 0.002 min
Response: 25902543
Conc: 13.03 ppb



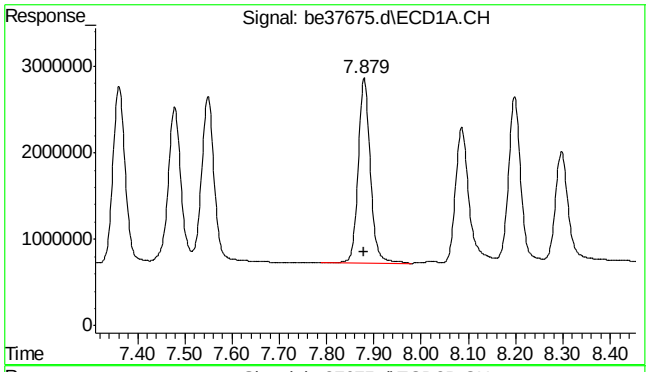
#14 4,4'-DDE

R.T.: 7.479 min
Delta R.T.: 0.000 min
Response: 32926143
Conc: 11.45 ppb



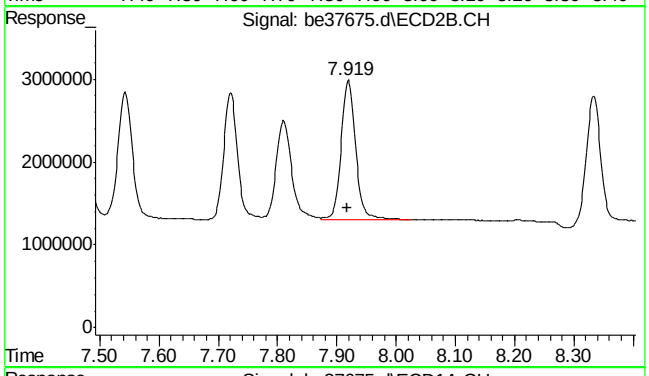
#14 4,4'-DDE

R.T.: 7.720 min
Delta R.T.: 0.001 min
Response: 24689787
Conc: 12.29 ppb m



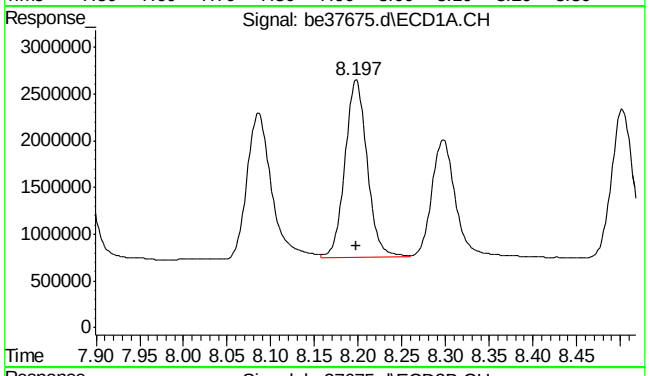
#15 Dieldrin

R.T.: 7.880 min
Delta R.T.: 0.000 min
Response: 37923004
Conc: 11.63 ppb



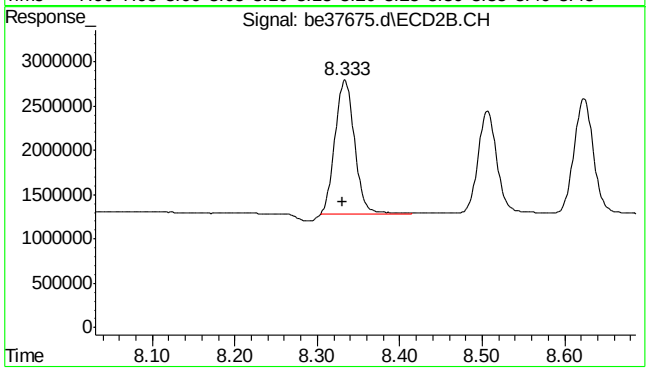
#15 Dieldrin

R.T.: 7.920 min
Delta R.T.: 0.002 min
Response: 28519026
Conc: 12.70 ppb



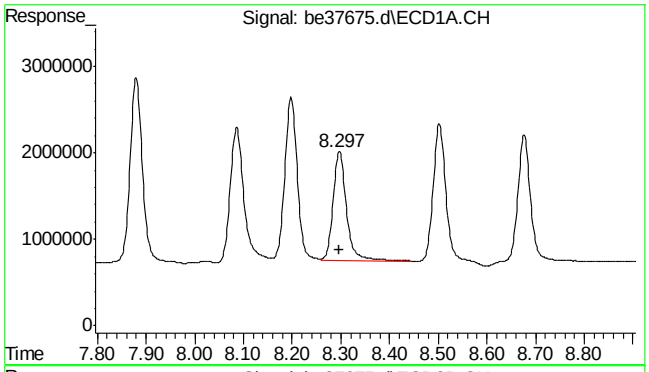
#16 Endrin

R.T.: 8.198 min
Delta R.T.: 0.000 min
Response: 33732529
Conc: 12.39 ppb



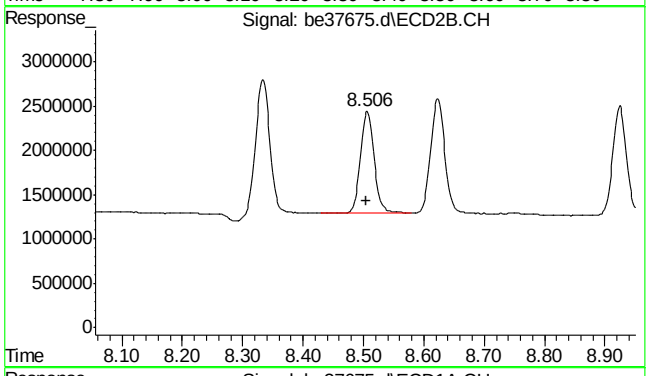
#16 Endrin

R.T.: 8.333 min
Delta R.T.: 0.002 min
Response: 24962732
Conc: 13.12 ppb m



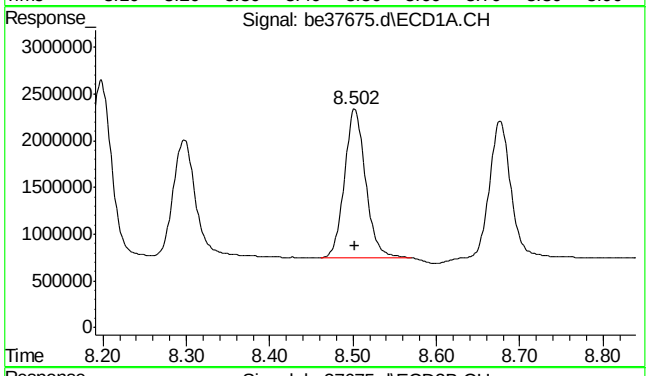
#17 4,4'-DDD

R.T.: 8.297 min
Delta R.T.: 0.000 min
Response: 24460595
Conc: 10.95 ppb m



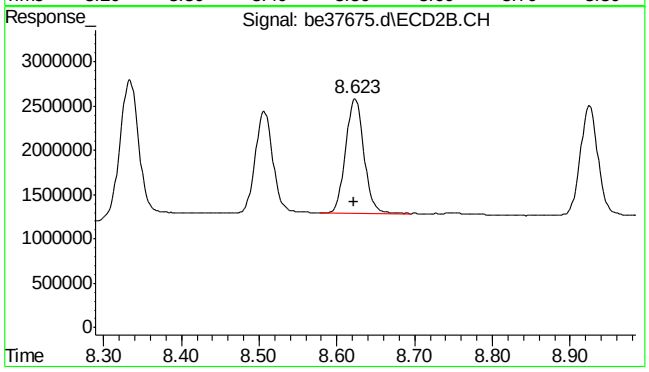
#17 4,4'-DDD

R.T.: 8.507 min
Delta R.T.: 0.002 min
Response: 18060992
Conc: 11.59 ppb



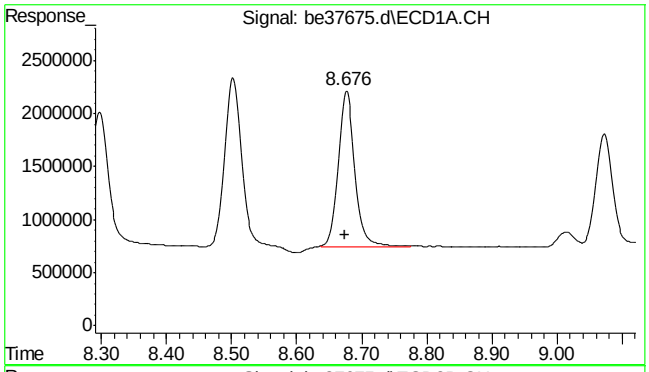
#18 Endosulfan-II

R.T.: 8.502 min
Delta R.T.: 0.000 min
Response: 28086877
Conc: 10.80 ppb m



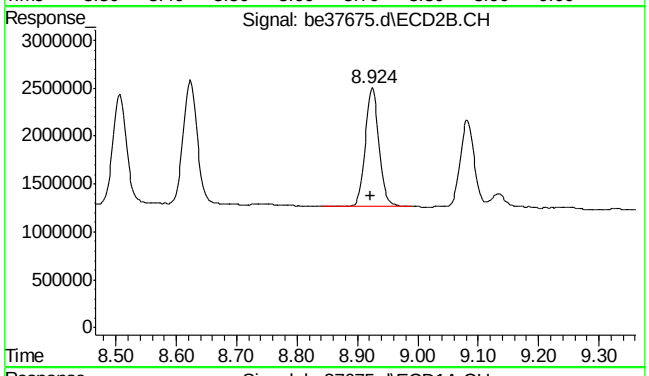
#18 Endosulfan-II

R.T.: 8.623 min
Delta R.T.: 0.002 min
Response: 20966209
Conc: 11.76 ppb



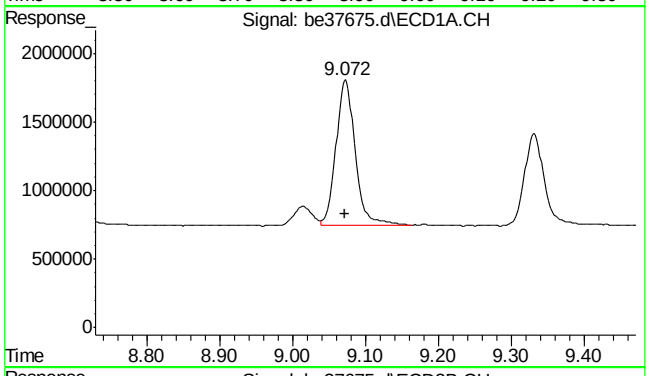
#19 4,4'-DDT

R.T.: 8.676 min
Delta R.T.: 0.001 min
Response: 26121375
Conc: 10.68 ppb m



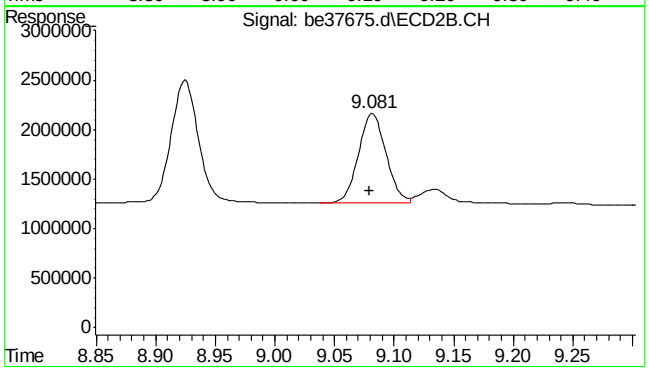
#19 4,4'-DDT

R.T.: 8.925 min
Delta R.T.: 0.002 min
Response: 19580989
Conc: 12.10 ppb



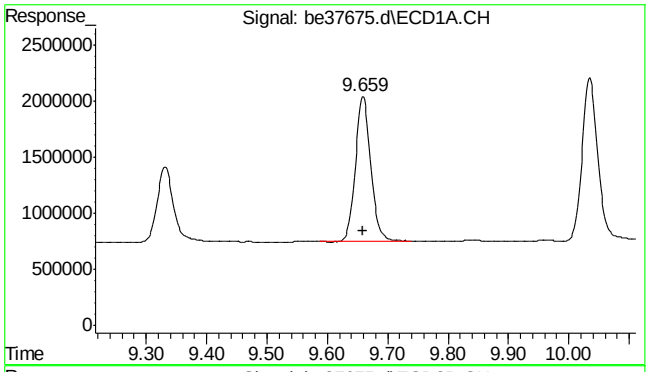
#20 Endrin Aldehyde

R.T.: 9.073 min
Delta R.T.: 0.001 min
Response: 19456103
Conc: 9.22 ppb



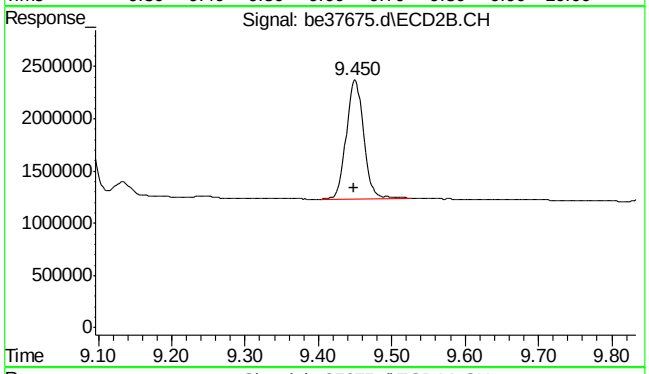
#20 Endrin Aldehyde

R.T.: 9.081 min
Delta R.T.: 0.001 min
Response: 14478531
Conc: 10.21 ppb m



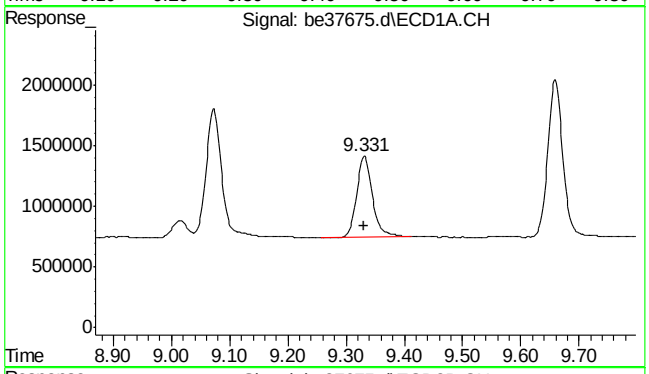
#21 Endosulfan Sulfate

R.T.: 9.659 min
Delta R.T.: 0.000 min
Response: 22784572
Conc: 10.07 ppb



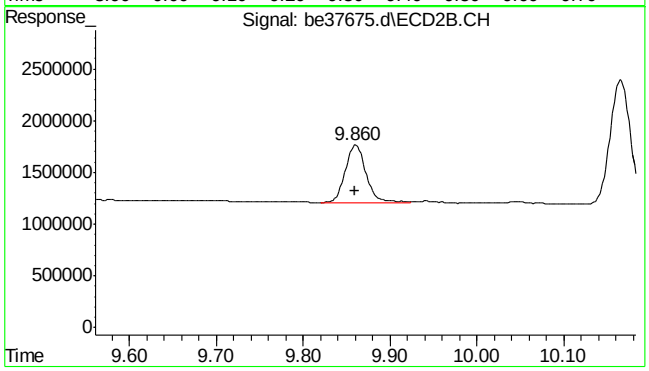
#21 Endosulfan Sulfate

R.T.: 9.450 min
Delta R.T.: 0.001 min
Response: 19094650
Conc: 11.85 ppb m



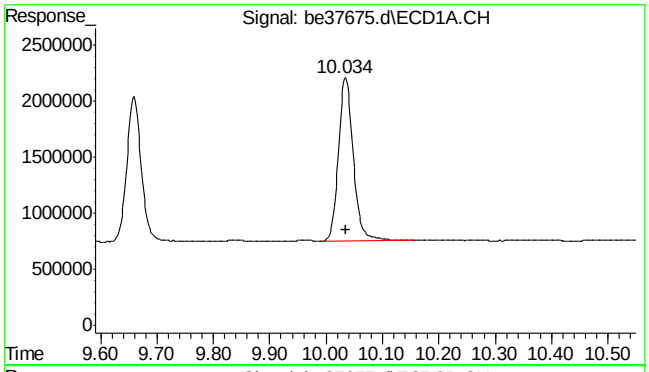
#22 Methoxychlor

R.T.: 9.332 min
Delta R.T.: 0.000 min
Response: 12328605
Conc: 10.90 ppb



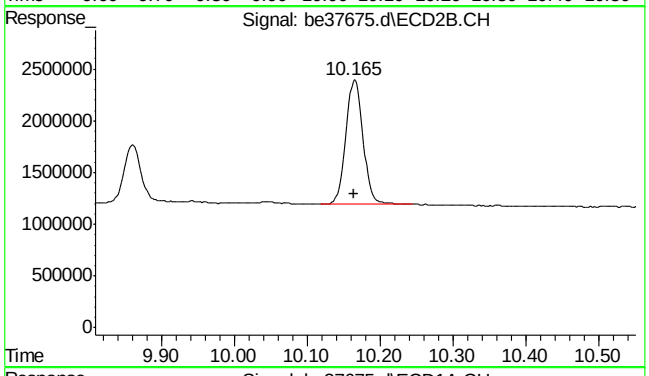
#22 Methoxychlor

R.T.: 9.860 min
Delta R.T.: 0.000 min
Response: 9370941
Conc: 13.51 ppb m



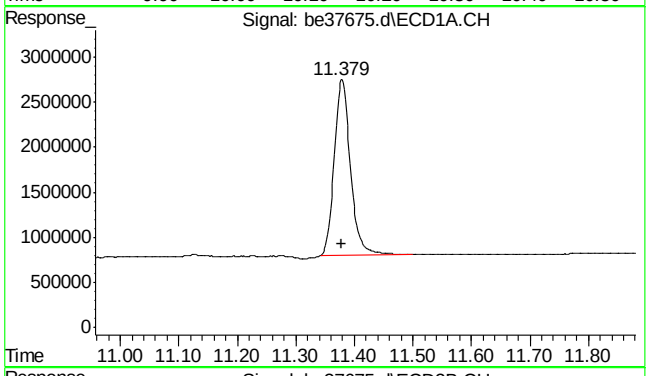
#23 Endrin Ketone

R.T.: 10.034 min
Delta R.T.: -0.002 min
Response: 26456885
Conc: 10.35 ppb m



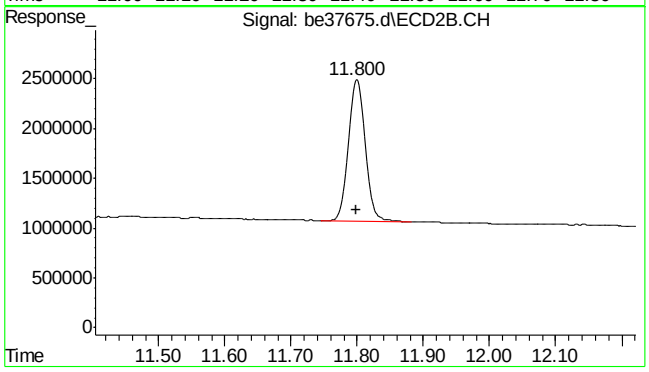
#23 Endrin Ketone

R.T.: 10.165 min
Delta R.T.: 0.000 min
Response: 19857171
Conc: 11.76 ppb m



#38 DCB

R.T.: 11.379 min
Delta R.T.: 0.000 min
Response: 37489839
Conc: 19.26 ppb m



#38 DCB

R.T.: 11.800 min
Delta R.T.: 0.001 min
Response: 24762659
Conc: 24.19 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/19/13 11:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130815\
Data File : BK27999.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2013 11:26 pm
Operator : nickk
Sample : op34307-bs
Misc : op34307,gbk953,15.75,,,10,,s
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 13:56:28 2013
Quant Method : C:\msdchem\1\METHODS\PC130815.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.399	2.371	7298.9E6	188.9E6	28.182m	25.329m
	Spiked Amount 40.000			Recovery	=	70.45%	63.32%
13) s	DCB	9.243	9.877	10499.5E6	219.0E6	30.801m	26.499m
	Spiked Amount 40.000			Recovery	=	77.00%	66.25%
	Target Compounds						
2)	AR1016-A	2.684	2.756	1401.4E6	39637559	324.526m	317.253m
3)	AR1016-B	2.984	3.100	2788.7E6	76687173	285.617	285.345m
4)	AR1016-C	3.410	3.529	6395.1E6	136.4E6	296.479	262.796m
5)	AR1016-D	3.539	3.663	3811.4E6	56390659	287.257m	270.890m
6)	AR1016-E	3.950	4.155	2512.4E6	66331821	288.962m	264.970m
7)	AR1260-A	5.388	5.717	4767.6E6	98156223	309.875	271.806m
8)	AR1260-B	5.753	6.003	9514.1E6	118.4E6	301.531m	275.000m
9)	AR1260-C	6.296	6.643	17273.6E6	305.3E6	310.104m	280.569m
10)	AR1260-D	7.100	7.458	14133.9E6	227.1E6	324.548m	273.656m
11)	AR1260-E	7.524	8.021	12327.2E6	221.6E6	313.074m	274.864m
12)	AR1260-F	8.485	8.939	3077.4E6	62402806	319.747m	271.354

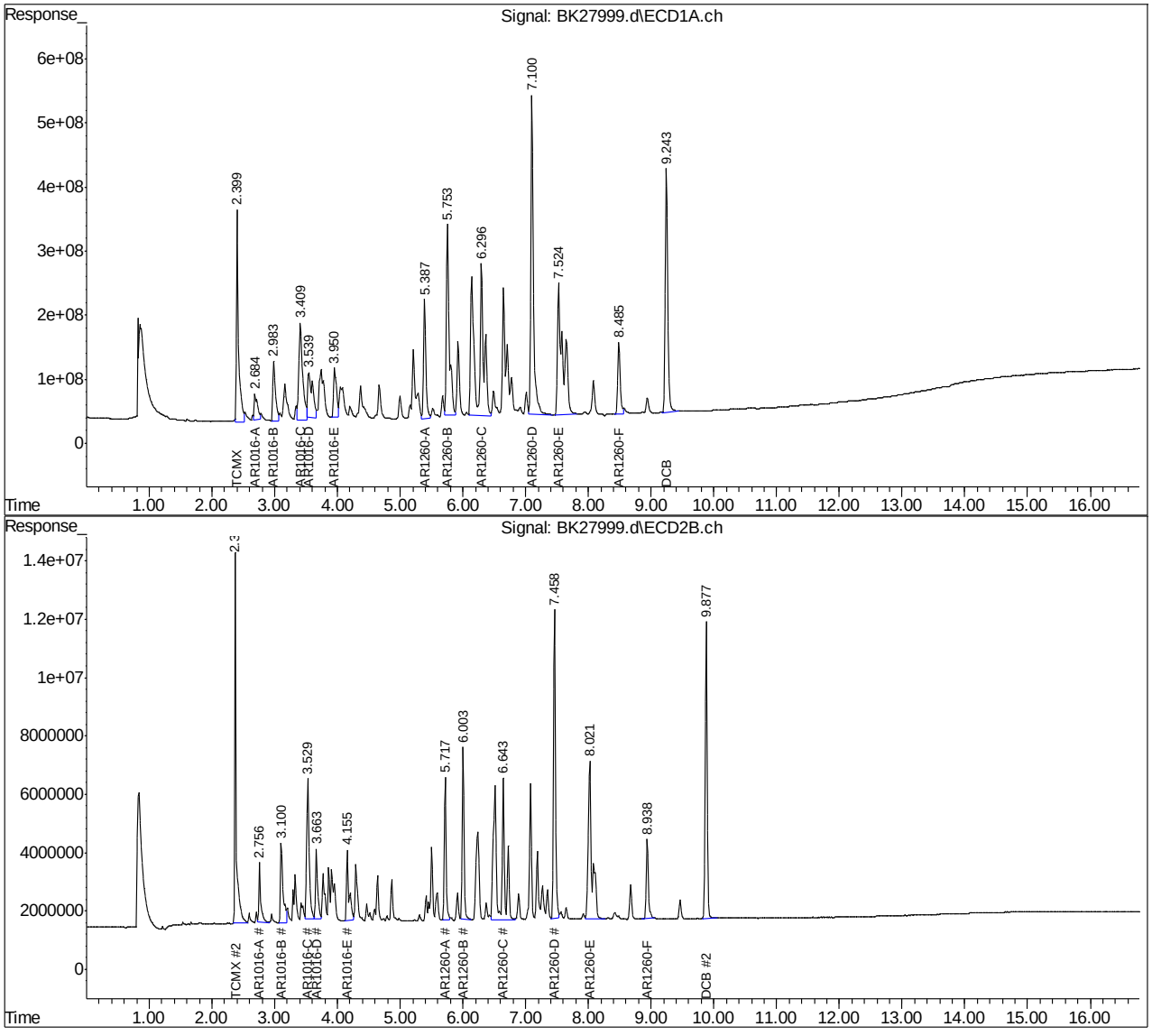
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

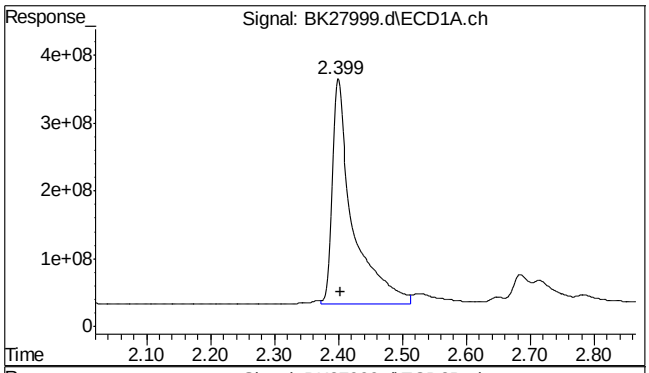
Data Path : C:\msdchem\1\DATA\BK130815\
Data File : BK27999.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2013 11:26 pm
Operator : nickk
Sample : op34307-bs
Misc : op34307,gbk953,15.75,,,10,,s
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 13:56:28 2013
Quant Method : C:\msdchem\1\METHODS\PC130815.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

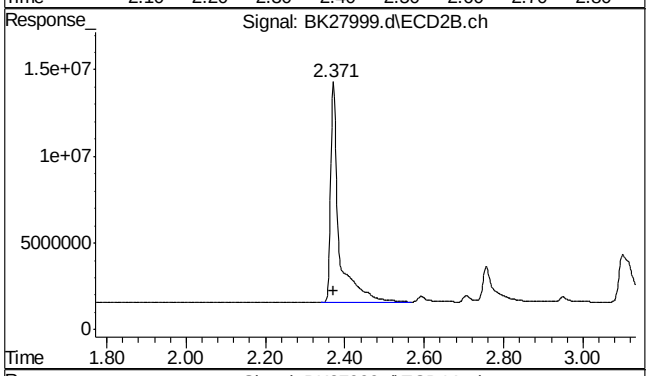


ACCUTEST LABORATORIES MC23272



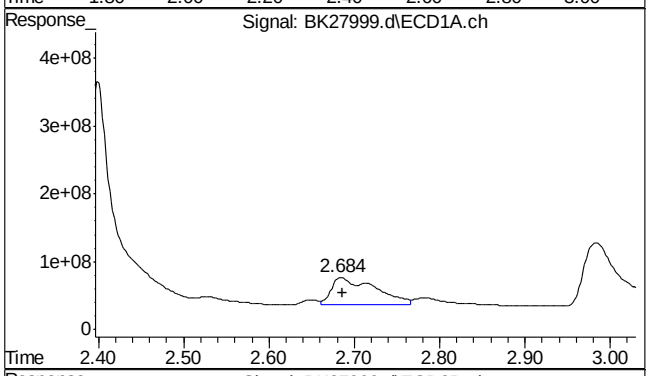
#1 TCMX

R.T.: 2.399 min
Delta R.T.: -0.004 min
Response: 7298921880
Conc: 28.18 ppb m



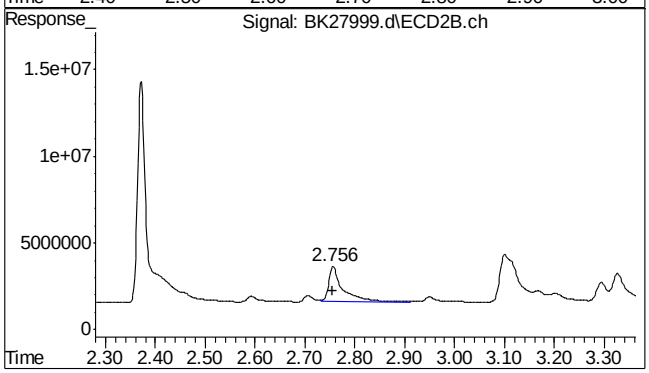
#1 TCMX

R.T.: 2.371 min
Delta R.T.: 0.000 min
Response: 188856274
Conc: 25.33 ppb m



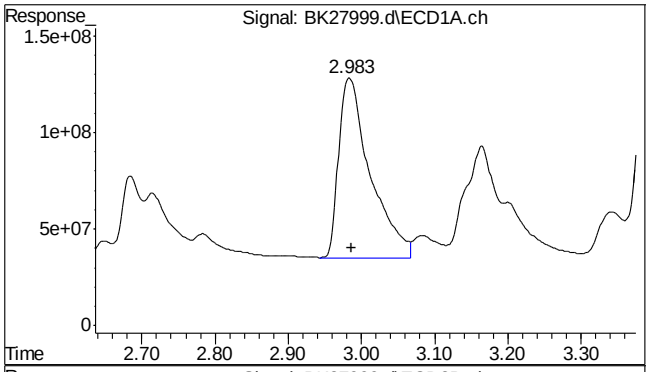
#2 AR1016-A

R.T.: 2.684 min
Delta R.T.: -0.003 min
Response: 1401438306
Conc: 324.53 ppb m



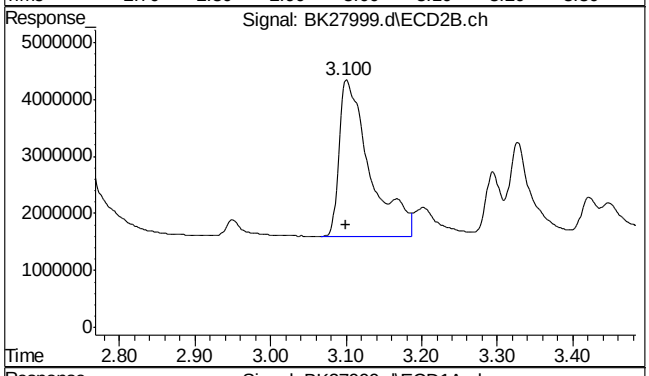
#2 AR1016-A

R.T.: 2.756 min
Delta R.T.: 0.000 min
Response: 39637559
Conc: 317.25 ppb m



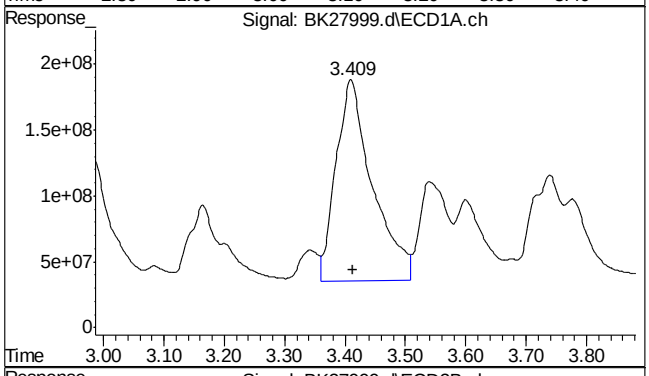
#3 AR1016-B

R.T.: 2.984 min
Delta R.T.: -0.003 min
Response: 2788657735
Conc: 285.62 ppb



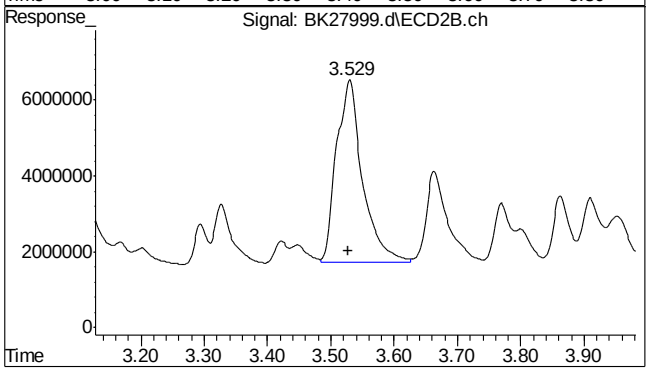
#3 AR1016-B

R.T.: 3.100 min
Delta R.T.: 0.000 min
Response: 76687173
Conc: 285.34 ppb m



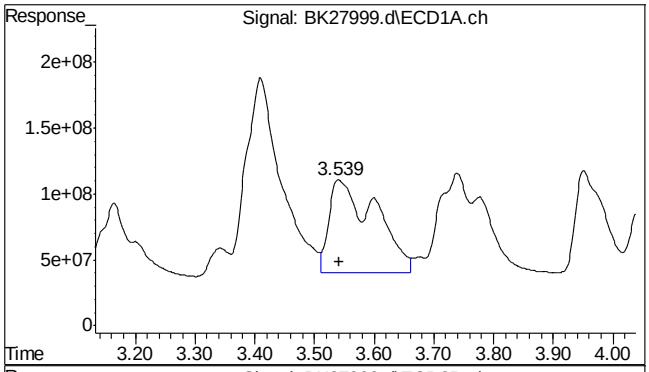
#4 AR1016-C

R.T.: 3.410 min
Delta R.T.: -0.003 min
Response: 6395111066
Conc: 296.48 ppb



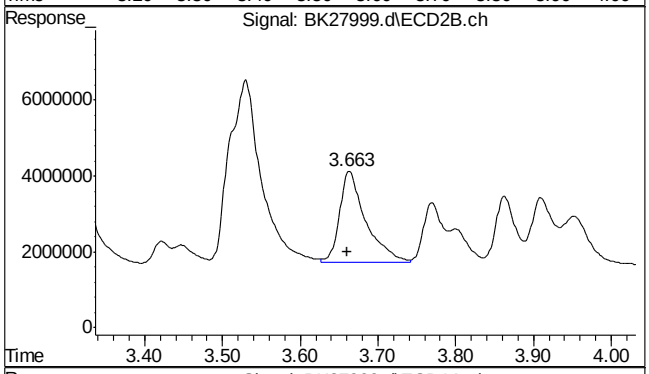
#4 AR1016-C

R.T.: 3.529 min
Delta R.T.: 0.001 min
Response: 136436629
Conc: 262.80 ppb m



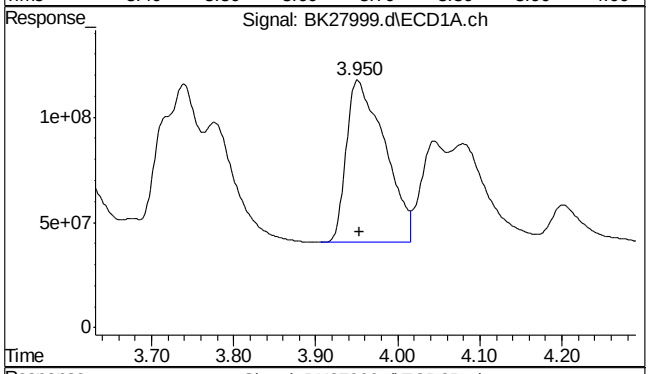
#5 AR1016-D

R.T.: 3.539 min
Delta R.T.: -0.003 min
Response: 3811389988
Conc: 287.26 m



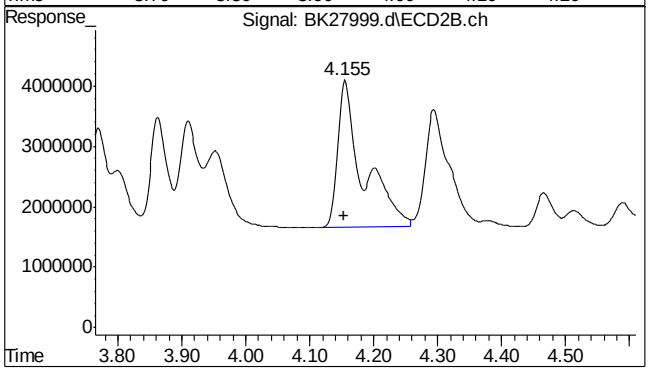
#5 AR1016-D

R.T.: 3.663 min
Delta R.T.: 0.002 min
Response: 56390659
Conc: 270.89 m



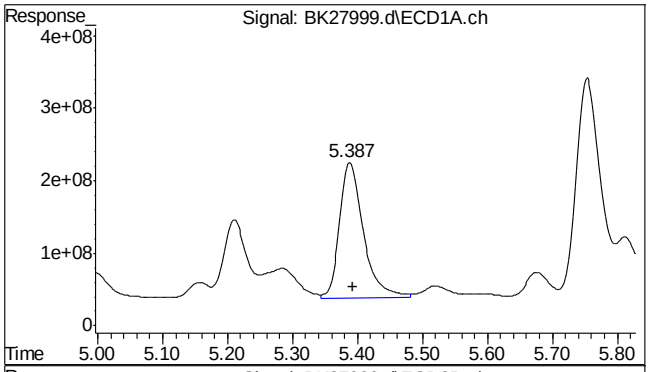
#6 AR1016-E

R.T.: 3.950 min
Delta R.T.: -0.004 min
Response: 2512398281
Conc: 288.96 m



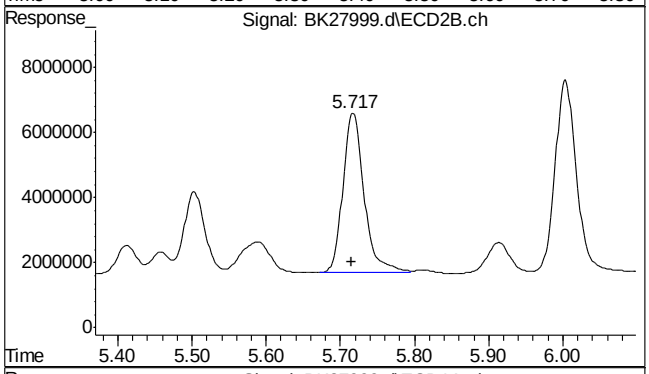
#6 AR1016-E

R.T.: 4.155 min
Delta R.T.: 0.000 min
Response: 66331821
Conc: 264.97 m



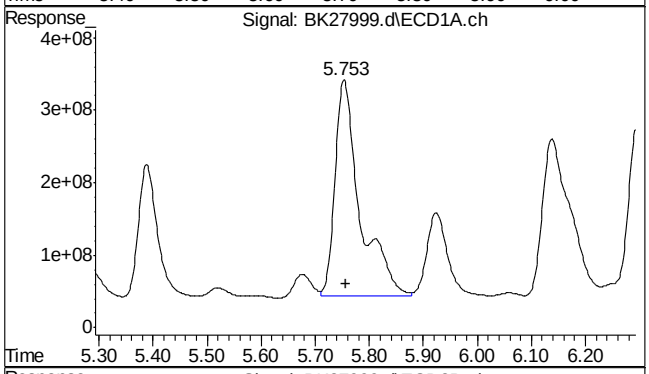
#7 AR1260-A

R.T.: 5.388 min
Delta R.T.: -0.005 min
Response: 4767581917
Conc: 309.88 ppb



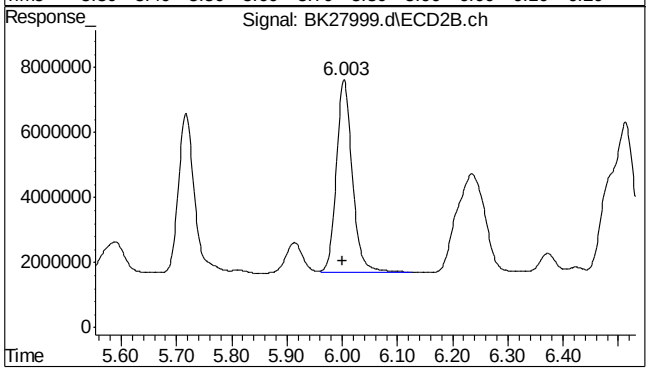
#7 AR1260-A

R.T.: 5.717 min
Delta R.T.: 0.002 min
Response: 98156223
Conc: 271.81 ppb m



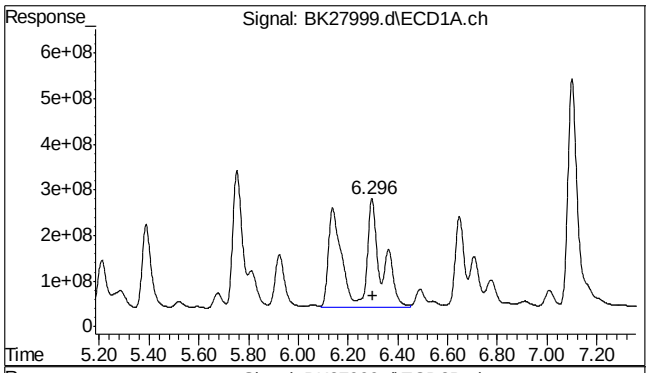
#8 AR1260-B

R.T.: 5.753 min
Delta R.T.: -0.005 min
Response: 9514064656
Conc: 301.53 ppb m



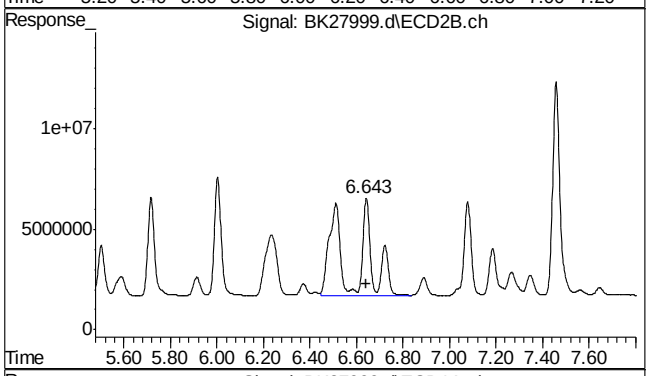
#8 AR1260-B

R.T.: 6.003 min
Delta R.T.: 0.003 min
Response: 118412469
Conc: 275.00 ppb m



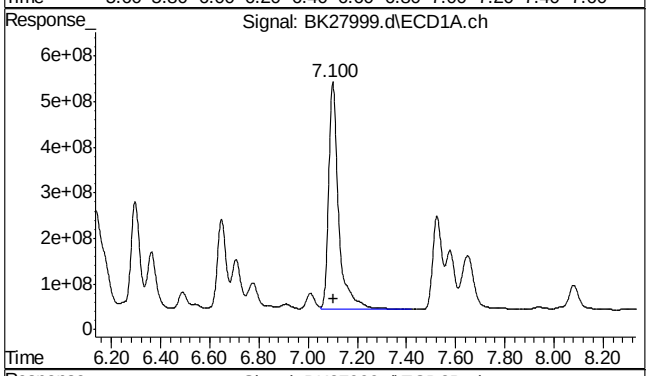
#9 AR1260-C

R.T.: 6.296 min
Delta R.T.: -0.005 min
Response: 17273568311
Conc: 310.10 ppb m



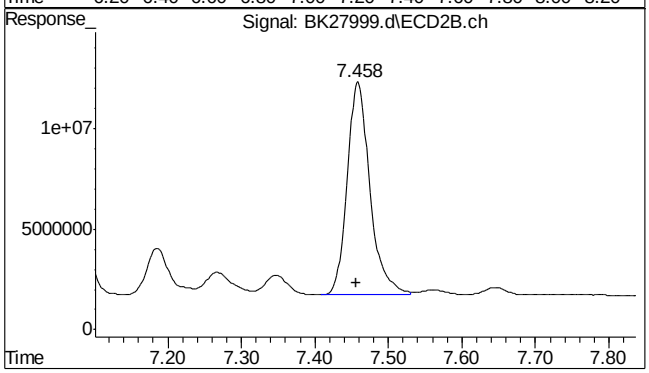
#9 AR1260-C

R.T.: 6.643 min
Delta R.T.: 0.002 min
Response: 305341849
Conc: 280.57 ppb m



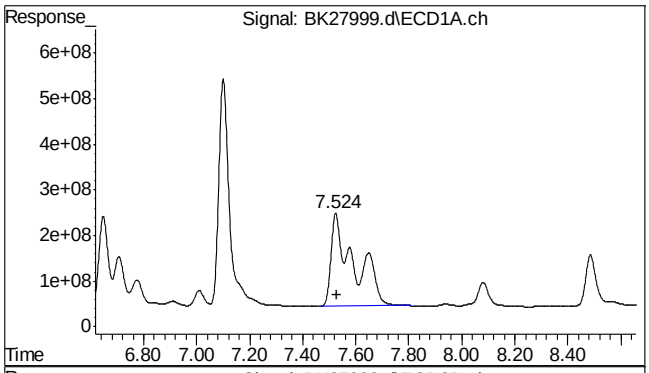
#10 AR1260-D

R.T.: 7.100 min
Delta R.T.: -0.006 min
Response: 14133918432
Conc: 324.55 ppb m



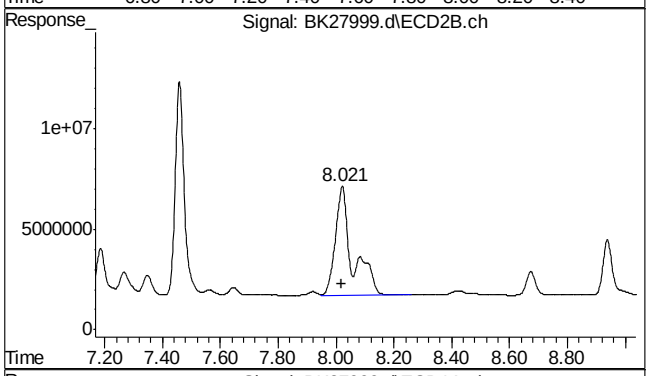
#10 AR1260-D

R.T.: 7.458 min
Delta R.T.: 0.002 min
Response: 227134779
Conc: 273.66 ppb m



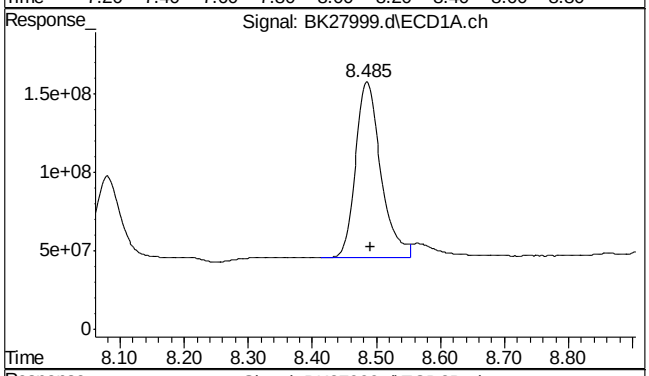
#11 AR1260-E

R.T.: 7.524 min
Delta R.T.: -0.006 min
Response: 12327190118
Conc: 313.07 ppb m



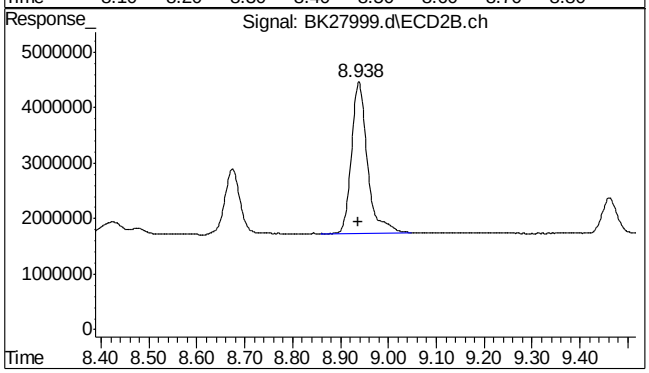
#11 AR1260-E

R.T.: 8.021 min
Delta R.T.: 0.002 min
Response: 221590921
Conc: 274.86 ppb m



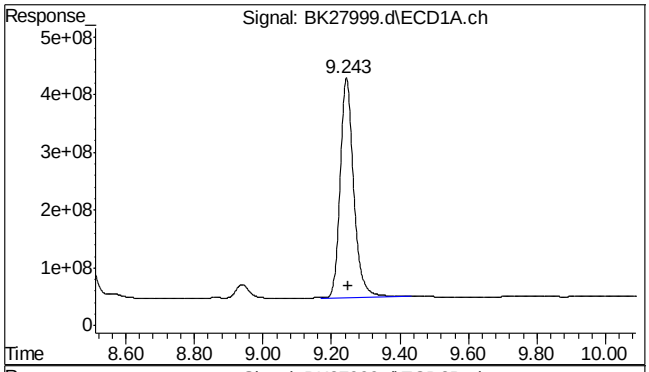
#12 AR1260-F

R.T.: 8.485 min
Delta R.T.: -0.006 min
Response: 3077430214
Conc: 319.75 m



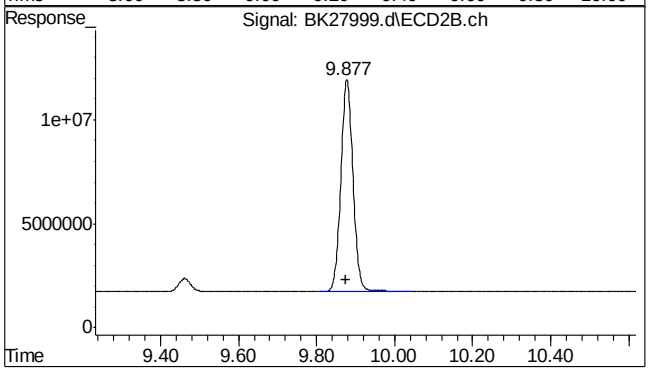
#12 AR1260-F

R.T.: 8.939 min
Delta R.T.: 0.002 min
Response: 62402806
Conc: 271.35



#13 DCB

R.T.: 9.243 min
Delta R.T.: -0.007 min
Response: 10499495375
Conc: 30.80 ppb m



#13 DCB

R.T.: 9.877 min
Delta R.T.: 0.000 min
Response: 218982975
Conc: 26.50 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/16/13 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130815\
Data File : be37680.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 17:45:32
Operator : nickk
Sample : op34308-ms
Misc : op34308,gbe1960,5.37,,,10,,s
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 09:36:14 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.636	3.599	57802660	40770225	20.065	21.684m
	Spiked Amount 40.000			Recovery	=	50.16%	54.21%
38) s	DCB	11.378	11.798	35576335	22752329	18.274m	22.229m
	Spiked Amount 40.000			Recovery	=	45.69%	55.57%
	Target Compounds						
2)	Hexachlor...	4.241	4.321	56418653	33589971	13.110m	11.525
3)	Alpha-BHC	4.494	4.545	46111339	32848919	9.790m	9.850m
4)	Gamma-BHC	4.980	5.087	42686565	32717126	10.064	10.783m
5)	Beta-BHC	5.113	5.221	15857705	13150760	8.991m	10.235m
6)	Heptachlor	5.690	5.724	45812141	30373769	11.125m	10.925m
7)	Delta-BHC	5.377	5.653	34011719	28895572	8.163	9.576m
8)	Alachlor	6.354	6.079	37424652	23355625	114.787	94.241m
9)	Aldrin	6.130	6.188	45538752	31794667	12.035	11.843m
10)	Heptachlo...	7.000	7.006	33463900	21440561	9.780m	10.037m
11)	Gamma-Chl...	7.175	7.261	32290062	24930517	9.336m	10.414m
12)	Alpha-Chl...	7.362	7.470	31435975	22898569	10.024	10.234m
13)	Endosulfan-I	7.549	7.541	30853991	24274356	9.859m	12.074m
14)	4,4'-DDE	7.478	7.720	24779127	20931285	8.619m	10.174m
15)	Dieldrin	7.880	7.919	32552548	29191000	9.947m	13.058m#
16)	Endrin	8.198	8.333	31015010	24502155	11.392m	12.833m
17)	4,4'-DDD	8.296	8.505	23456839	21772531	10.498m	14.245m#
18)	Endosulfa...	8.502	8.623	25976962	20524060	9.971m	11.470m
19)	4,4'-DDT	8.675	8.924	26746531	18327300	10.923m	11.222m
20)	Endrin Al...	9.071	9.081	21604091	14625203	10.304	10.335m
21)	Endosulfa...	9.660	9.450	25545390	18944470	11.327	11.739
22)	Methoxychlor	9.330	9.860	14841930	7710667	13.121m	10.954m
23)	Endrin Ke...	10.033	10.164	26626542	24521726	10.418m	15.003m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

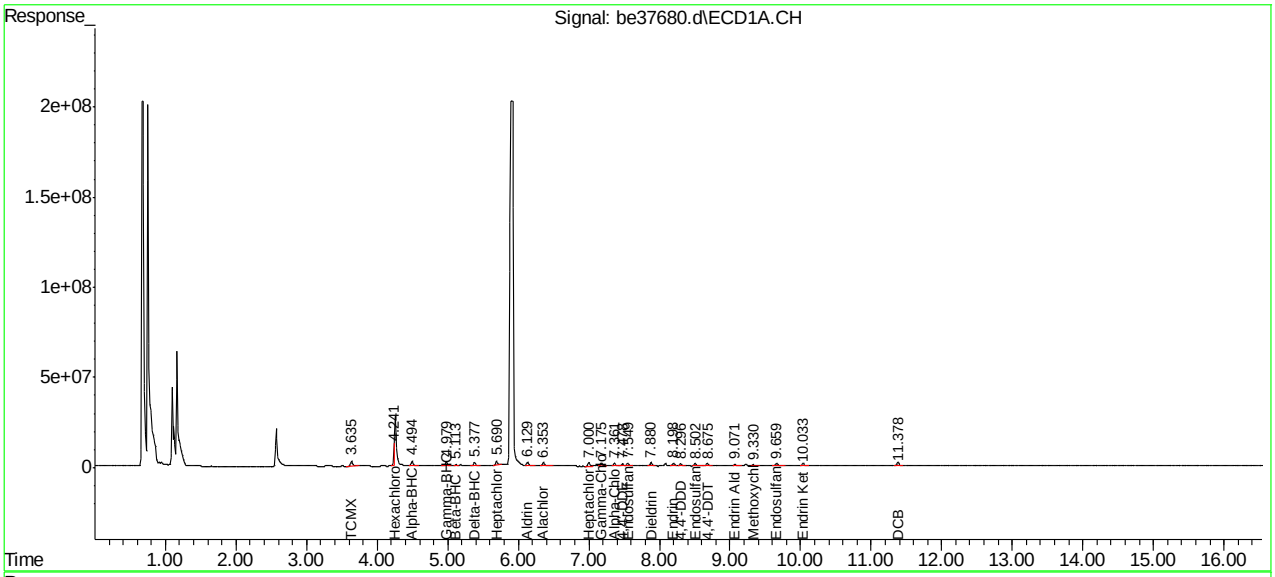
11.4.1
11

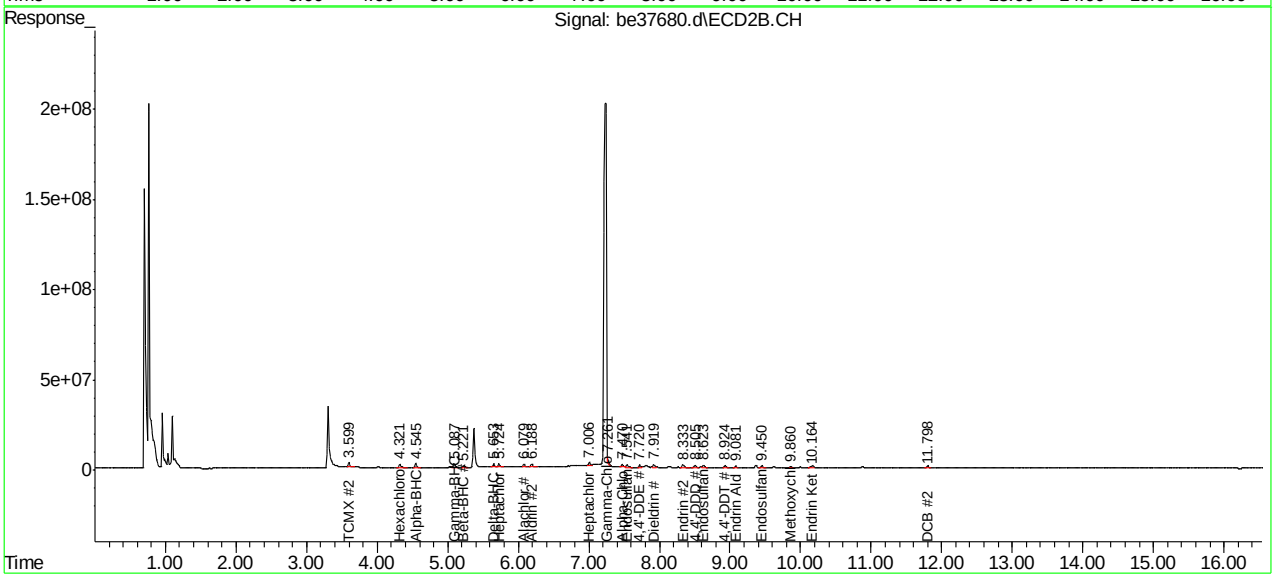
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130815\
Data File : be37680.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 17:45:32
Operator : nickk
Sample : op34308-ms
Misc : op34308,gbe1960,5.37,,,10,,s
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

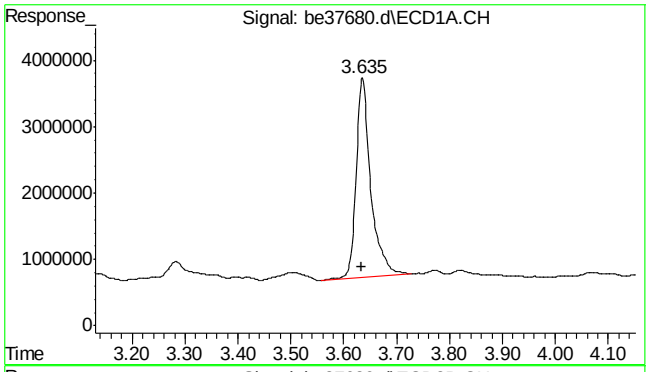
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 09:36:14 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



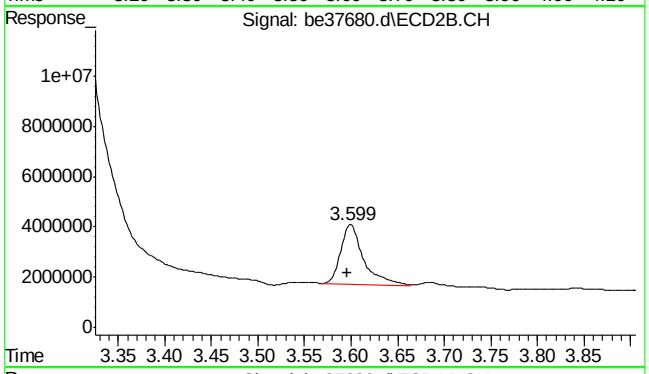


ACCUTEST LABORATORIES MC23272



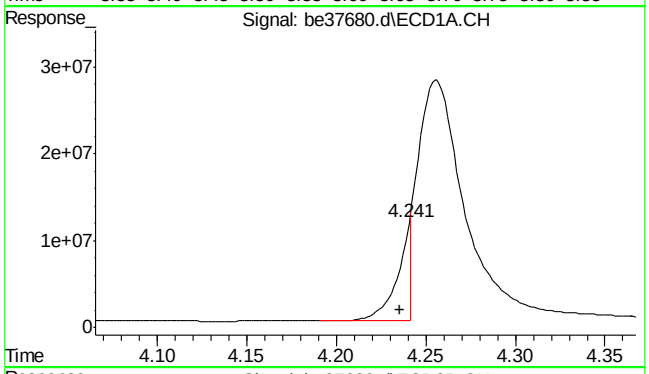
#1 TCMX

R.T.: 3.636 min
Delta R.T.: 0.002 min
Response: 57802660
Conc: 20.06 ppb



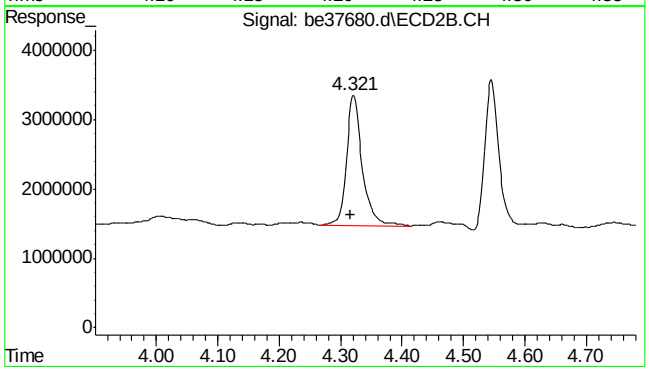
#1 TCMX

R.T.: 3.599 min
Delta R.T.: 0.003 min
Response: 40770225
Conc: 21.68 ppb m



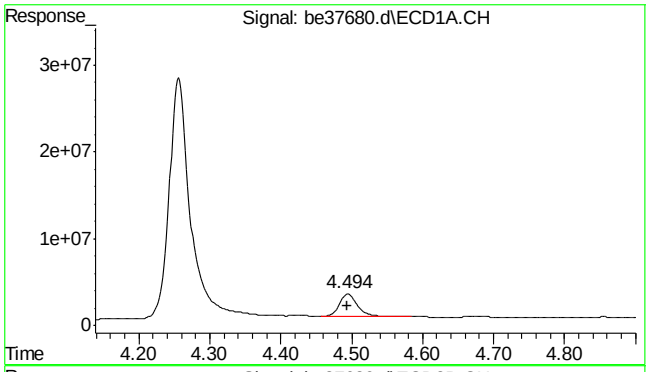
#2 Hexachlorobenzene

R.T.: 4.241 min
Delta R.T.: 0.005 min
Response: 56418653
Conc: 13.11 ppb m



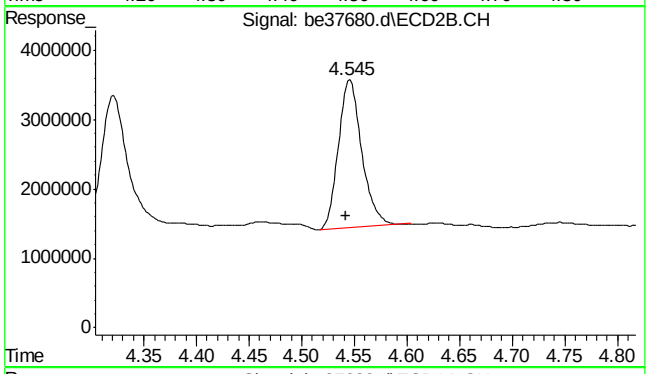
#2 Hexachlorobenzene

R.T.: 4.321 min
Delta R.T.: 0.005 min
Response: 33589971
Conc: 11.52 ppb



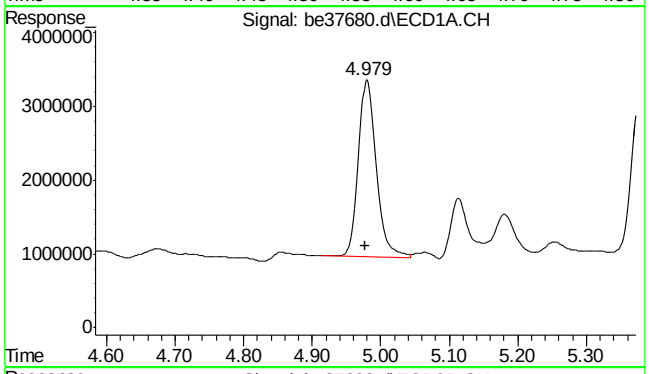
#3 Alpha-BHC

R.T.: 4.494 min
Delta R.T.: 0.000 min
Response: 46111339
Conc: 9.79 ppb m



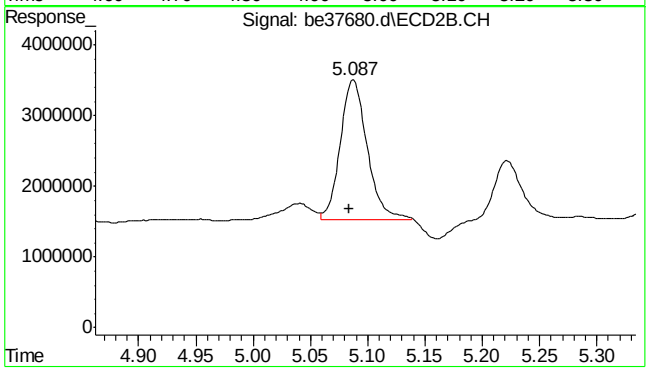
#3 Alpha-BHC

R.T.: 4.545 min
Delta R.T.: 0.003 min
Response: 32848919
Conc: 9.85 ppb m



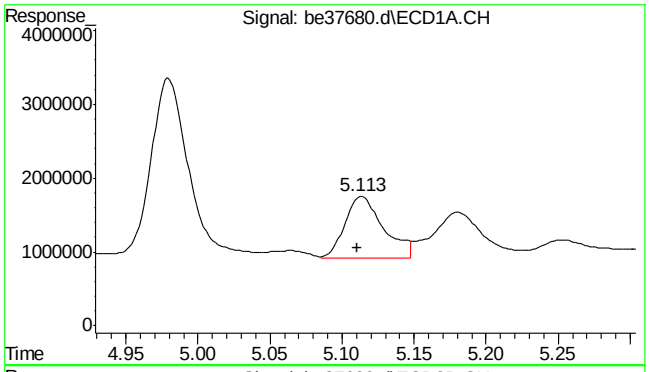
#4 Gamma-BHC

R.T.: 4.980 min
Delta R.T.: 0.002 min
Response: 42686565
Conc: 10.06 ppb



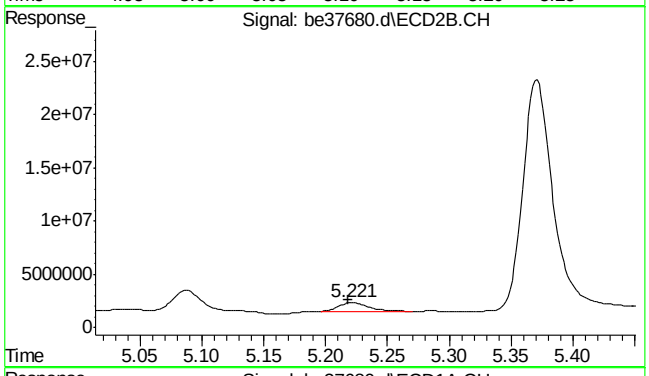
#4 Gamma-BHC

R.T.: 5.087 min
Delta R.T.: 0.003 min
Response: 32717126
Conc: 10.78 ppb m



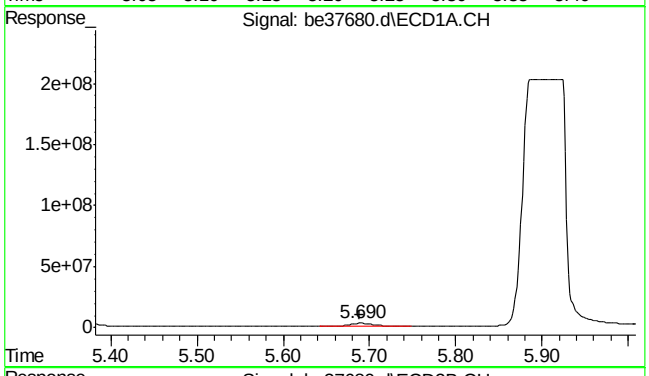
#5 Beta-BHC

R.T.: 5.113 min
Delta R.T.: 0.002 min
Response: 15857705
Conc: 8.99 ppb m



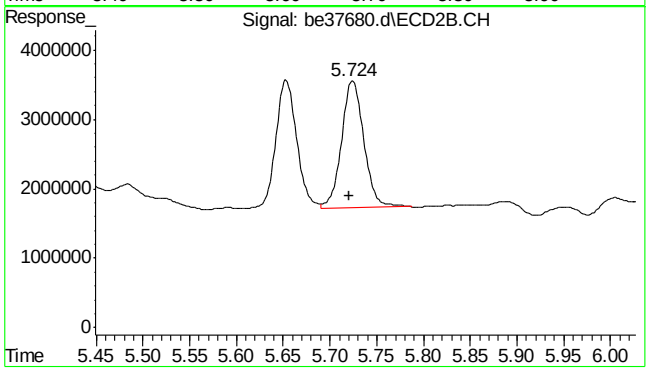
#5 Beta-BHC

R.T.: 5.221 min
Delta R.T.: 0.003 min
Response: 13150760
Conc: 10.23 ppb m



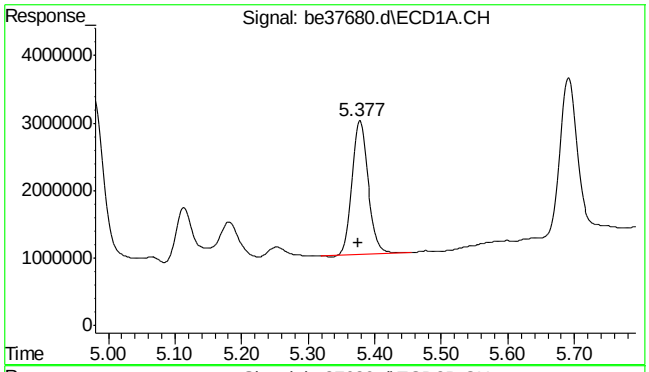
#6 Heptachlor

R.T.: 5.690 min
Delta R.T.: 0.002 min
Response: 45812141
Conc: 11.12 ppb m



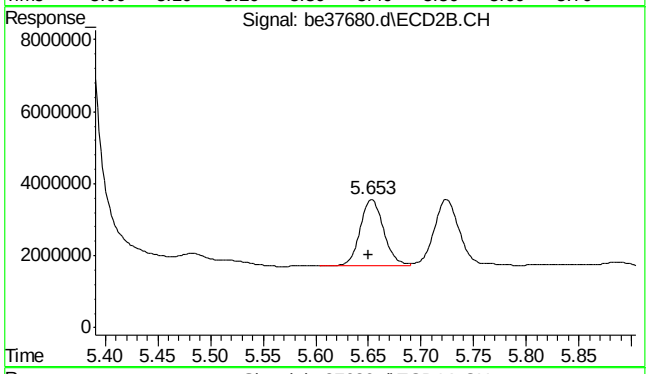
#6 Heptachlor

R.T.: 5.724 min
Delta R.T.: 0.002 min
Response: 30373769
Conc: 10.93 ppb m



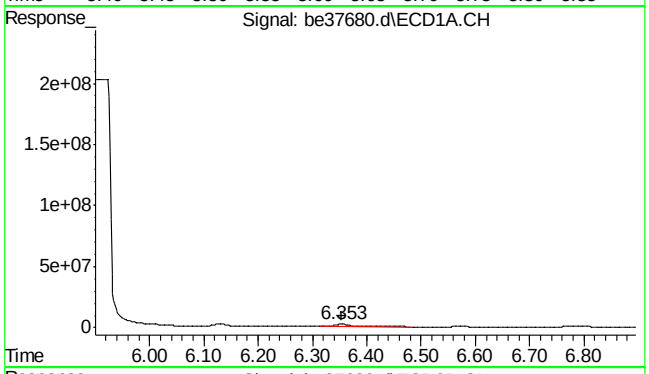
#7 Delta-BHC

R.T.: 5.377 min
Delta R.T.: 0.003 min
Response: 34011719
Conc: 8.16 ppb



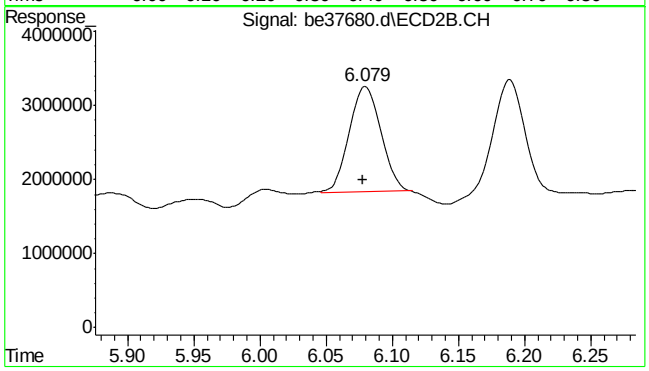
#7 Delta-BHC

R.T.: 5.653 min
Delta R.T.: 0.003 min
Response: 28895572
Conc: 9.58 ppb m



#8 Alachlor

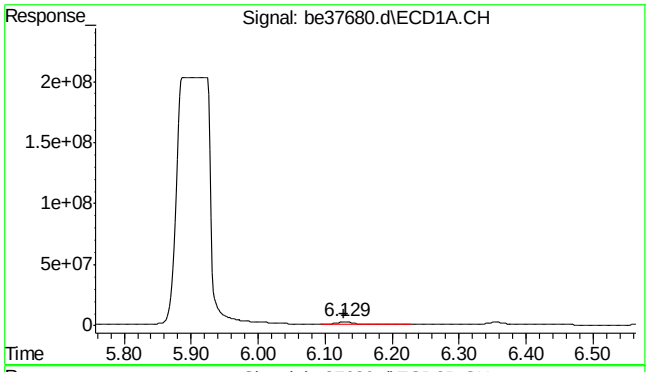
R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 37424652
Conc: 114.79 ppb



#8 Alachlor

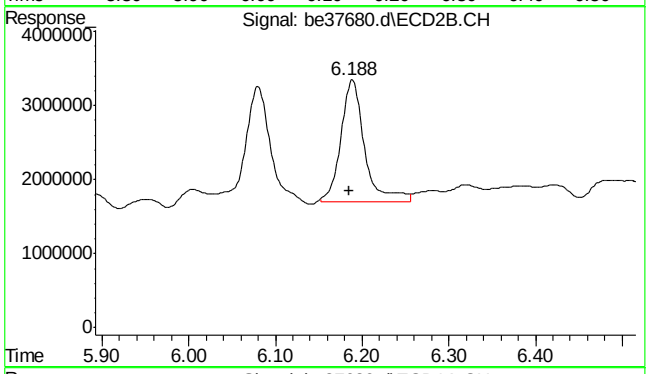
R.T.: 6.079 min
Delta R.T.: 0.002 min
Response: 23355625
Conc: 94.24 ppb m

11.4.1 11



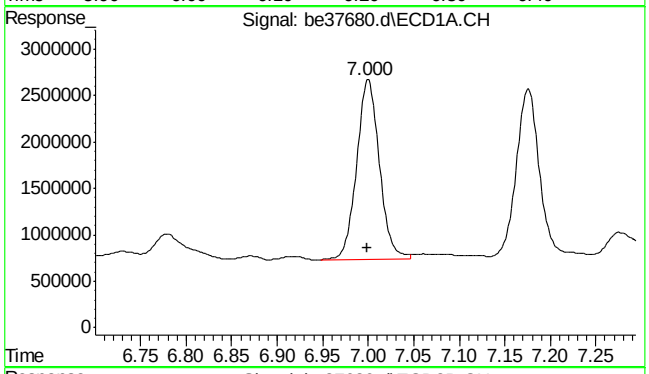
#9 Aldrin

R.T.: 6.130 min
Delta R.T.: 0.002 min
Response: 45538752
Conc: 12.03 ppb



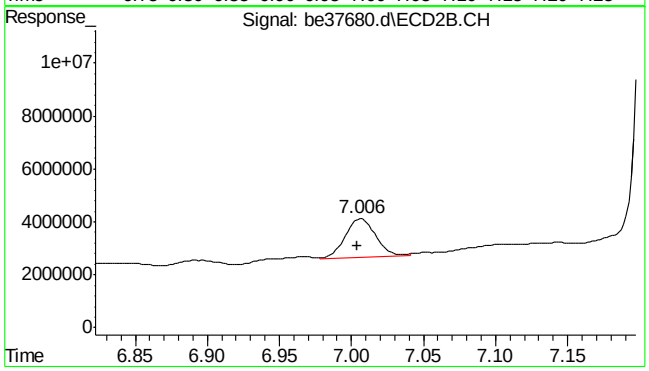
#9 Aldrin

R.T.: 6.188 min
Delta R.T.: 0.003 min
Response: 31794667
Conc: 11.84 ppb m



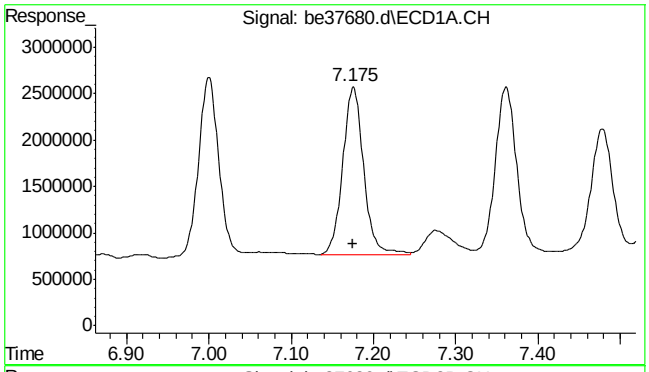
#10 Heptachlor Epoxide

R.T.: 7.000 min
Delta R.T.: 0.000 min
Response: 33463900
Conc: 9.78 ppb m



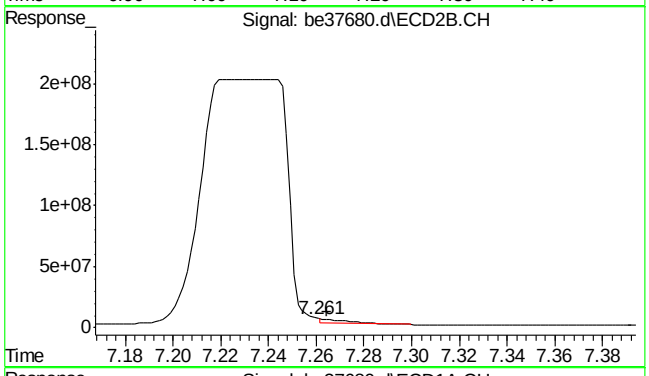
#10 Heptachlor Epoxide

R.T.: 7.006 min
Delta R.T.: 0.002 min
Response: 21440561
Conc: 10.04 ppb m



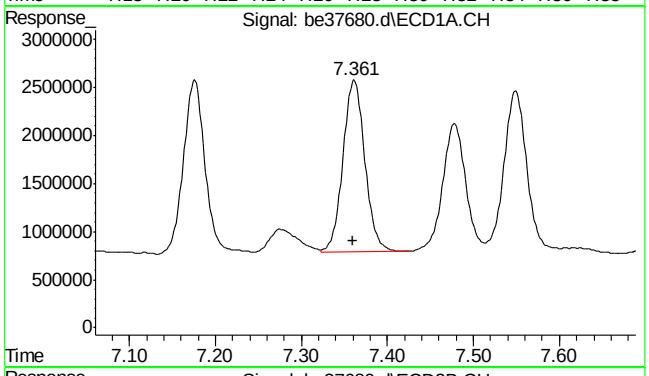
#11 Gamma-Chlordane

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 32290062
Conc: 9.34 ppb m



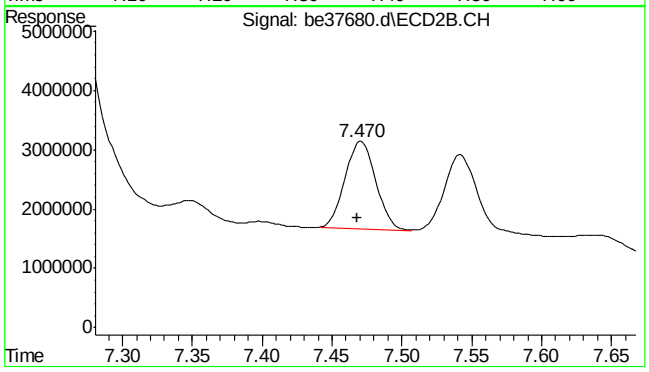
#11 Gamma-Chlordane

R.T.: 7.261 min
Delta R.T.: -0.003 min
Response: 24930517
Conc: 10.41 ppb m



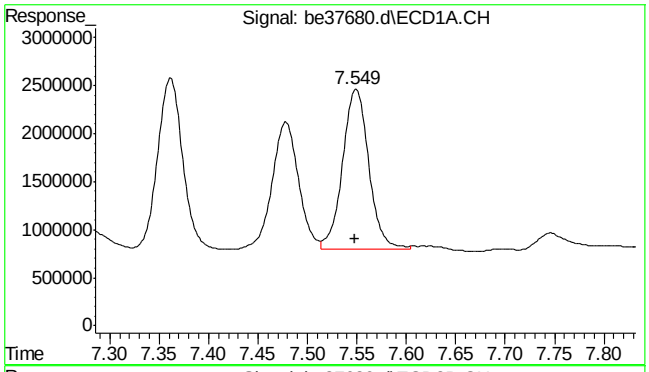
#12 Alpha-Chlordane

R.T.: 7.362 min
Delta R.T.: 0.002 min
Response: 31435975
Conc: 10.02 ppb



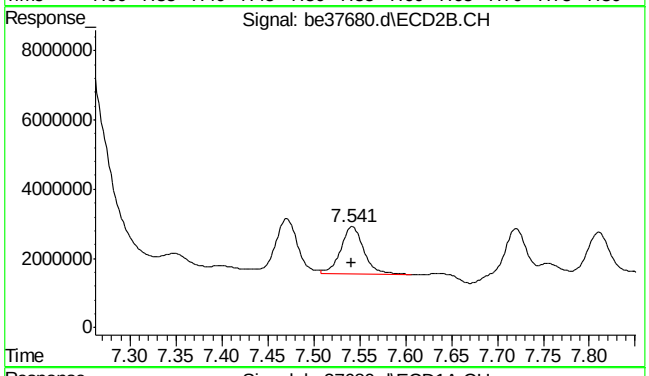
#12 Alpha-Chlordane

R.T.: 7.470 min
Delta R.T.: 0.002 min
Response: 22898569
Conc: 10.23 ppb m



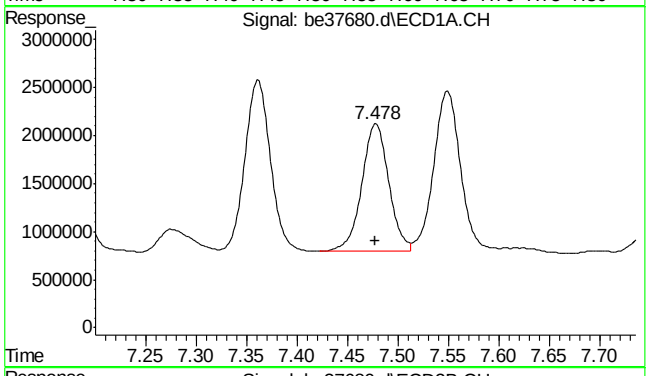
#13 Endosulfan-I

R.T.: 7.549 min
Delta R.T.: 0.000 min
Response: 30853991
Conc: 9.86 ppb m



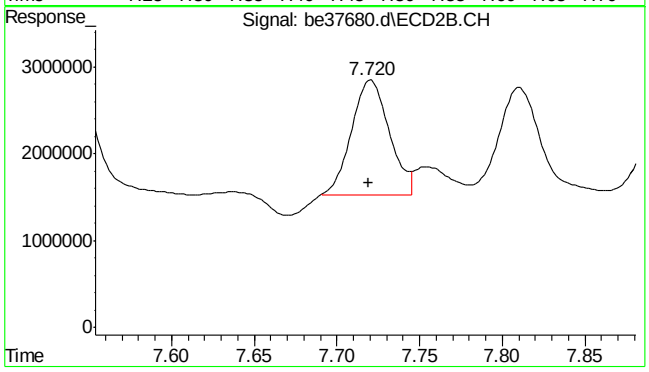
#13 Endosulfan-I

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 24274356
Conc: 12.07 ppb m



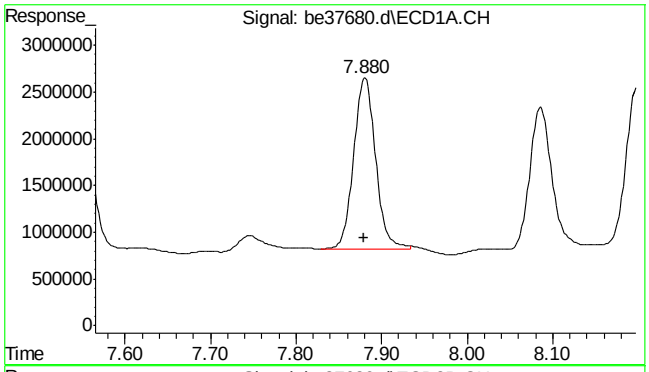
#14 4,4'-DDE

R.T.: 7.478 min
Delta R.T.: 0.000 min
Response: 24779127
Conc: 8.62 ppb m



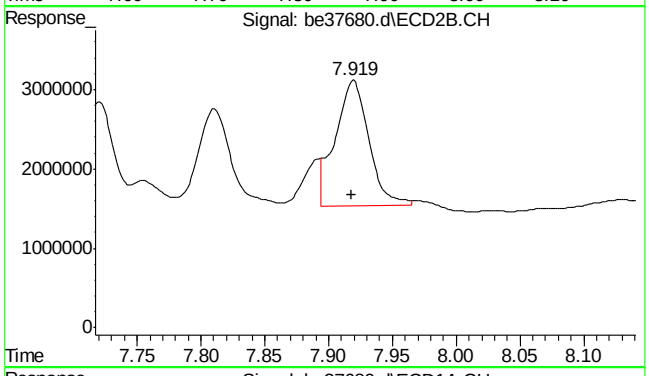
#14 4,4'-DDE

R.T.: 7.720 min
Delta R.T.: 0.001 min
Response: 20931285
Conc: 10.17 ppb m



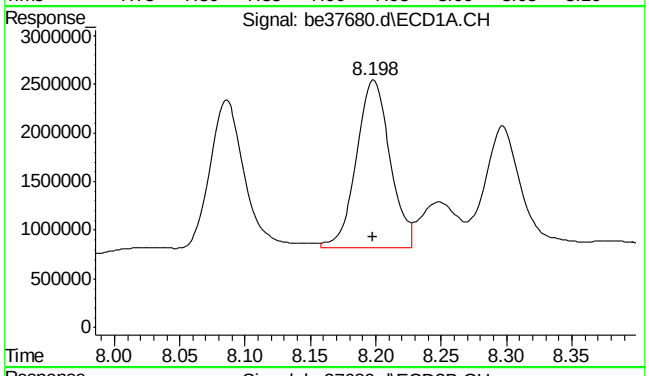
#15 Dieldrin

R.T.: 7.880 min
Delta R.T.: 0.000 min
Response: 32552548
Conc: 9.95 ppb m



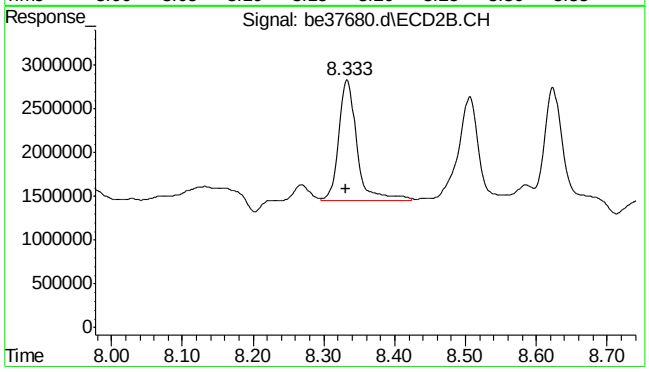
#15 Dieldrin

R.T.: 7.919 min
Delta R.T.: 0.000 min
Response: 29191000
Conc: 13.06 ppb m



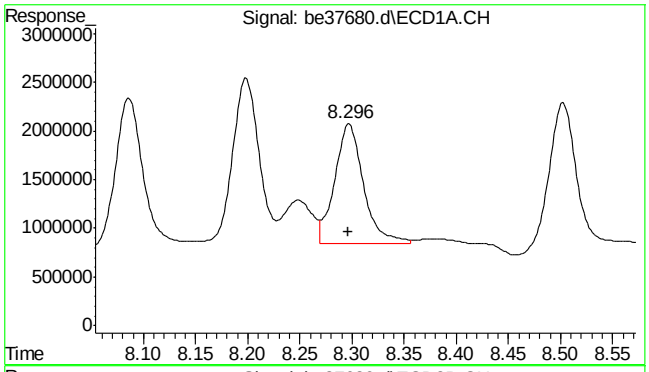
#16 Endrin

R.T.: 8.198 min
Delta R.T.: 0.000 min
Response: 31015010
Conc: 11.39 ppb m



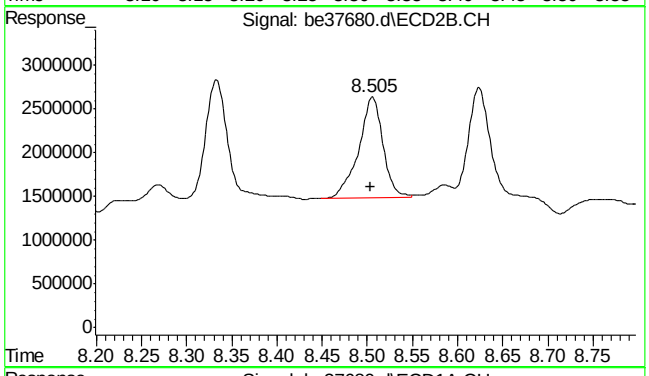
#16 Endrin

R.T.: 8.333 min
Delta R.T.: 0.002 min
Response: 24502155
Conc: 12.83 ppb m



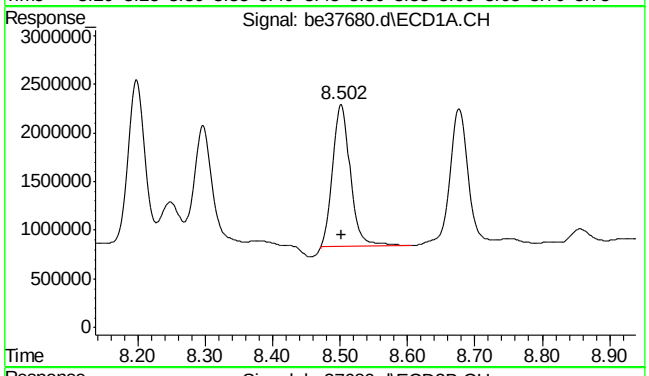
#17 4,4'-DDD

R.T.: 8.296 min
Delta R.T.: 0.000 min
Response: 23456839
Conc: 10.50 ppb m



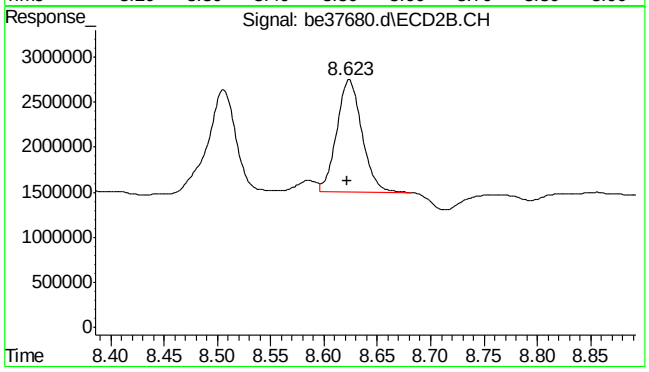
#17 4,4'-DDD

R.T.: 8.505 min
Delta R.T.: 0.000 min
Response: 21772531
Conc: 14.25 ppb m



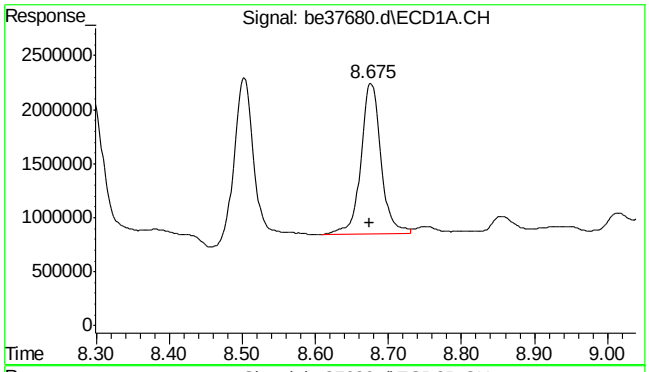
#18 Endosulfan-II

R.T.: 8.502 min
Delta R.T.: 0.000 min
Response: 25976962
Conc: 9.97 ppb m



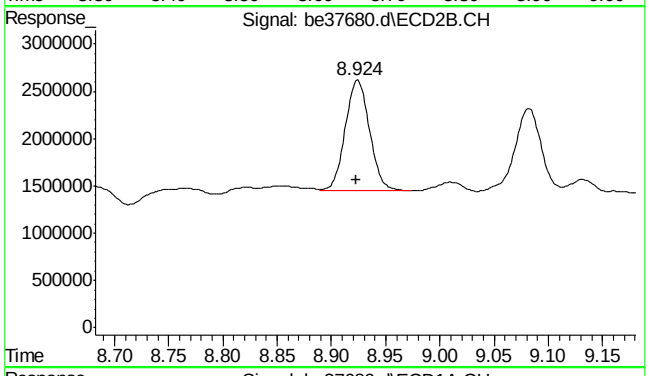
#18 Endosulfan-II

R.T.: 8.623 min
Delta R.T.: 0.002 min
Response: 20524060
Conc: 11.47 ppb m



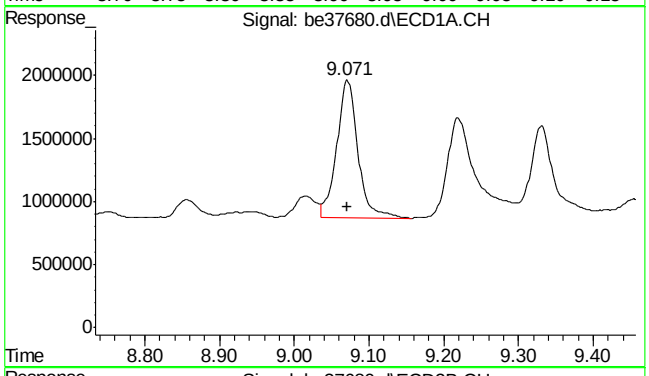
#19 4,4'-DDT

R.T.: 8.675 min
Delta R.T.: 0.000 min
Response: 26746531
Conc: 10.92 ppb m



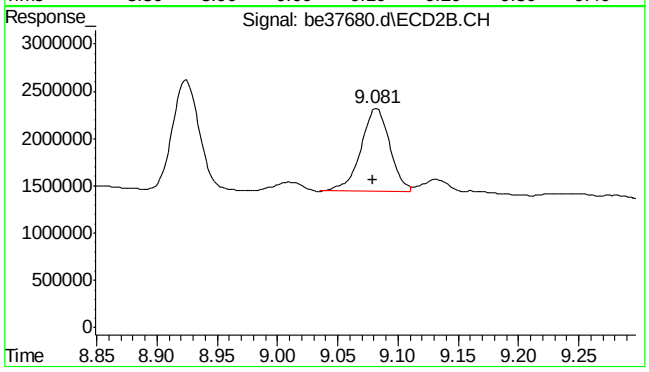
#19 4,4'-DDT

R.T.: 8.924 min
Delta R.T.: 0.001 min
Response: 18327300
Conc: 11.22 ppb m



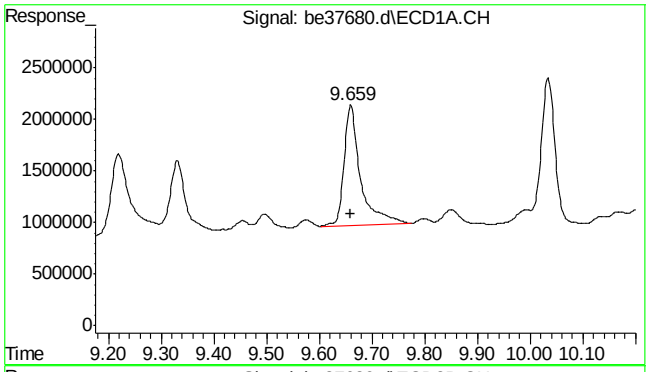
#20 Endrin Aldehyde

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 21604091
Conc: 10.30 ppb



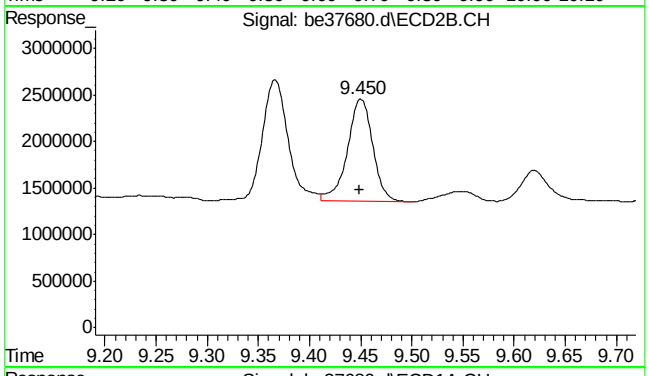
#20 Endrin Aldehyde

R.T.: 9.081 min
Delta R.T.: 0.002 min
Response: 14625203
Conc: 10.33 ppb m



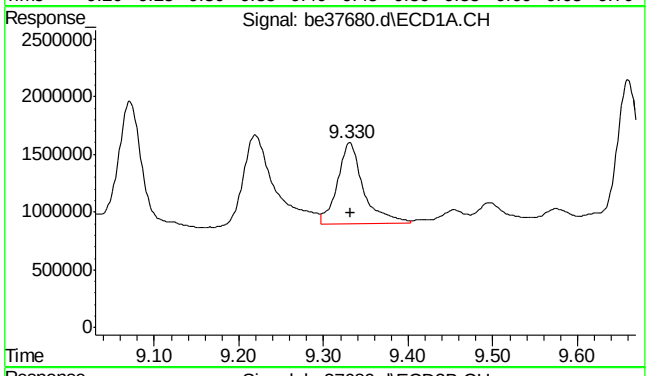
#21 Endosulfan Sulfate

R.T.: 9.660 min
Delta R.T.: 0.001 min
Response: 25545390
Conc: 11.33 ppb



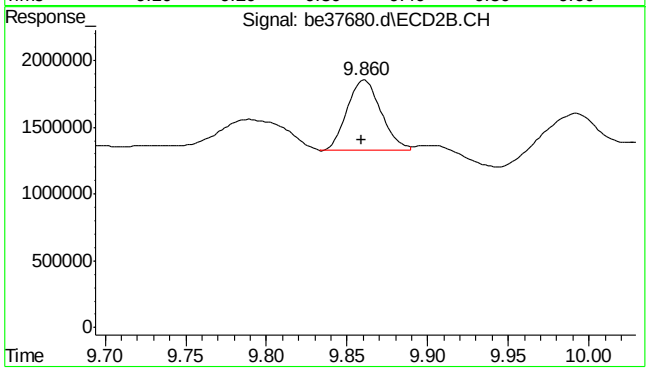
#21 Endosulfan Sulfate

R.T.: 9.450 min
Delta R.T.: 0.001 min
Response: 18944470
Conc: 11.74 ppb



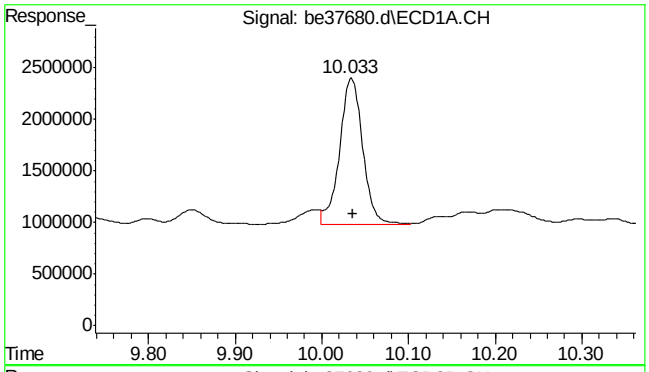
#22 Methoxychlor

R.T.: 9.330 min
Delta R.T.: -0.001 min
Response: 14841930
Conc: 13.12 ppb m



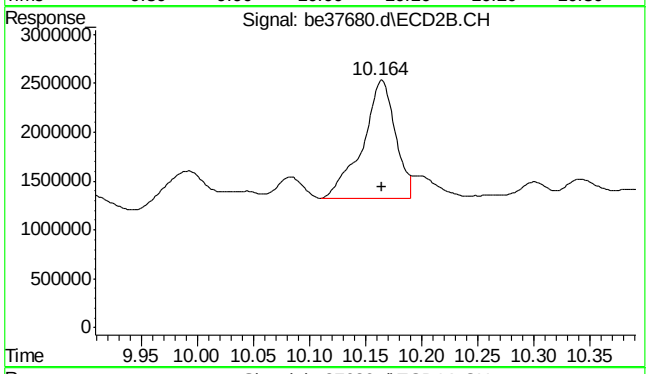
#22 Methoxychlor

R.T.: 9.860 min
Delta R.T.: 0.000 min
Response: 7710667
Conc: 10.95 ppb m



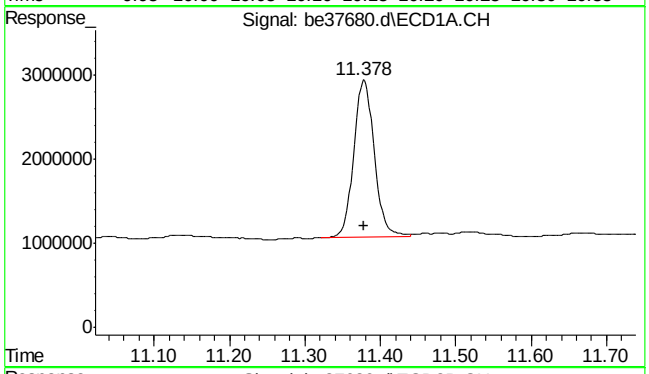
#23 Endrin Ketone

R.T.: 10.033 min
Delta R.T.: -0.002 min
Response: 26626542
Conc: 10.42 ppb m



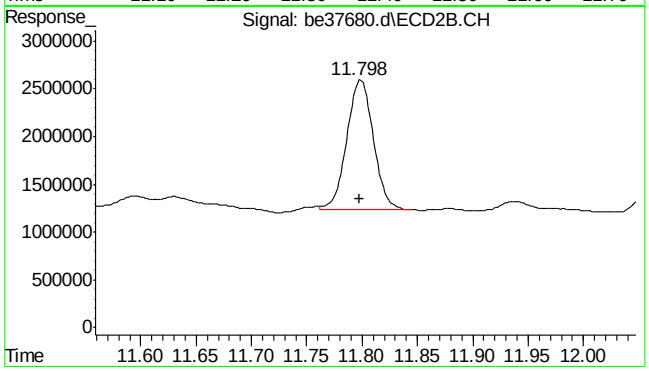
#23 Endrin Ketone

R.T.: 10.164 min
Delta R.T.: 0.000 min
Response: 24521726
Conc: 15.00 ppb m



#38 DCB

R.T.: 11.378 min
Delta R.T.: 0.000 min
Response: 35576335
Conc: 18.27 ppb m



#38 DCB

R.T.: 11.798 min
Delta R.T.: 0.000 min
Response: 22752329
Conc: 22.23 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/16/13 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130815\
Data File : be37681.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 18:07:03
Operator : nickk
Sample : op34308-msd
Misc : op34308,gbe1960,5.49,,,10,,s
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 09:40:02 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.638	3.599	57739384	40592757	20.043	21.590m
	Spiked Amount 40.000			Recovery	=	50.11%	53.97%
38) s	DCB	11.379	11.799	36604187	23434040	18.802m	22.895m
	Spiked Amount 40.000			Recovery	=	47.00%	57.24%
	Target Compounds						
2)	Hexachlor...	4.247	4.321	44091814	32721256	10.246m	11.179m
3)	Alpha-BHC	4.497	4.546	48537645	33130073	10.305m	9.946
4)	Gamma-BHC	4.982	5.087	42577602	30998631	10.039	10.137m
5)	Beta-BHC	5.116	5.221	15898395	13628942	9.014	10.673m
6)	Heptachlor	5.693	5.725	43874649	31639894	10.637	11.485m
7)	Delta-BHC	5.380	5.653	34097155	28022699	8.183	9.235m
8)	Alachlor	6.356	6.080	36365820	25236569	110.639	107.329m
9)	Aldrin	6.132	6.189	39295713	25027133	10.385	8.890m
10)	Heptachlo...	7.002	7.007	34074815	21137114	9.968	9.874m
11)	Gamma-Chl...	7.176	7.258	32056083	22035134	9.268m	8.925m
12)	Alpha-Chl...	7.362	7.470	30631164	23509658	9.767m	10.570m
13)	Endosulfan-I	7.550	7.542	30194888	20853698	9.639m	10.076m
14)	4,4'-DDE	7.479	7.720	25104636	19062735	8.732m	9.122m
15)	Dieldrin	7.881	7.919	32973726	28718209	10.078m	12.804m#
16)	Endrin	8.199	8.333	28902835	22247252	10.616m	11.447m
17)	4,4'-DDD	8.298	8.506	22055425	22460061	9.870m	14.738m#
18)	Endosulfa...	8.504	8.624	25222619	20391545	9.673m	11.382m
19)	4,4'-DDT	8.676	8.924	26936092	17740636	10.996m	10.812m
20)	Endrin Al...	9.073	9.082	21947233	14509766	10.477	10.238m
21)	Endosulfa...	9.660	9.451	18449097	18665160	8.087m	11.529 #
22)	Methoxychlor	9.332	9.861	15306918	7888810	13.531m	11.228m
23)	Endrin Ke...	10.036	10.165	26734365	19164110	10.462	11.280m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

11.4.2

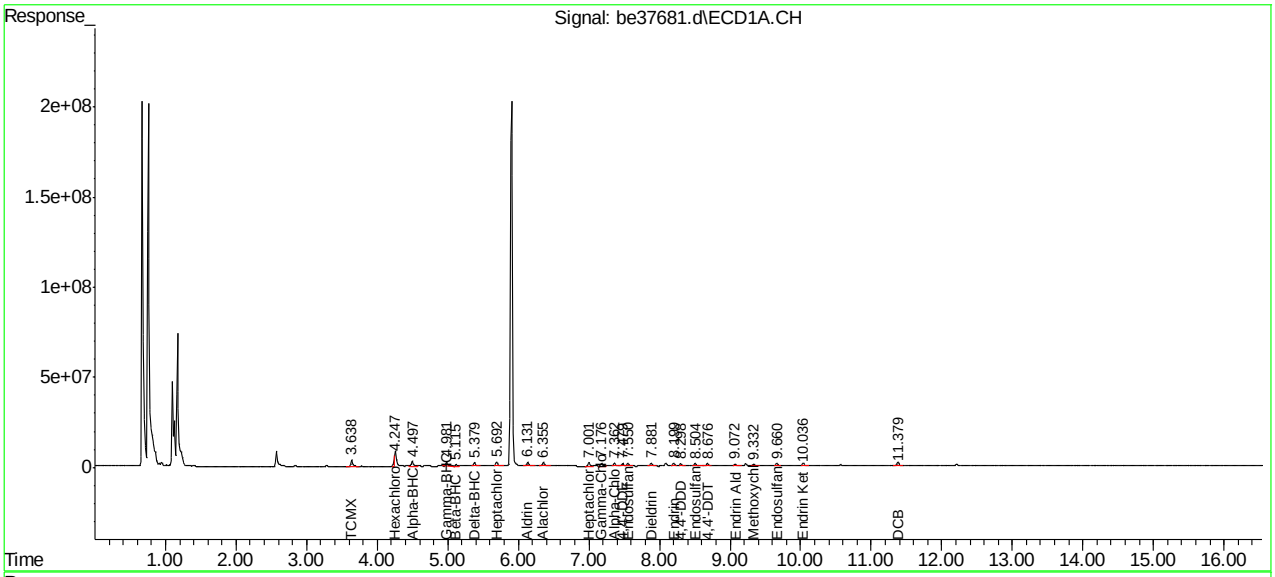
11

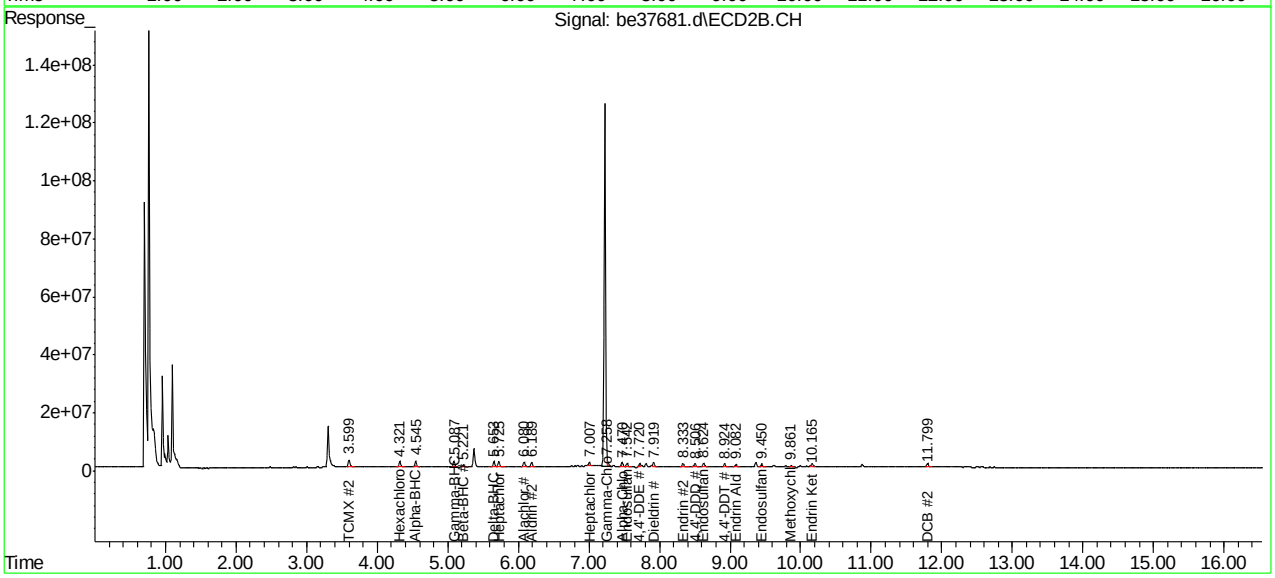
Quantitation Report (QT Reviewed)

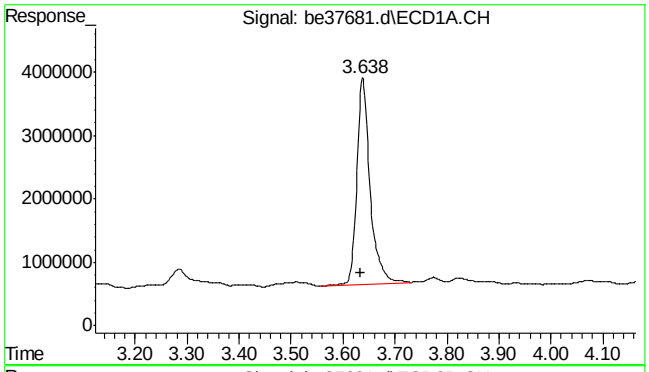
Data Path : C:\msdchem\1\data\BE130815\
Data File : be37681.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 18:07:03
Operator : nickk
Sample : op34308-msd
Misc : op34308,gbe1960,5.49,,,10,,s
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 09:40:02 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

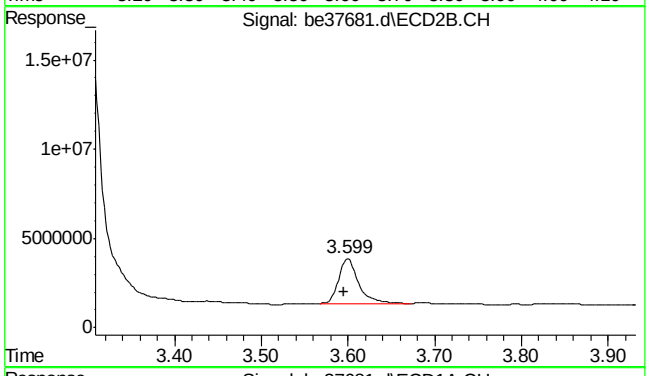






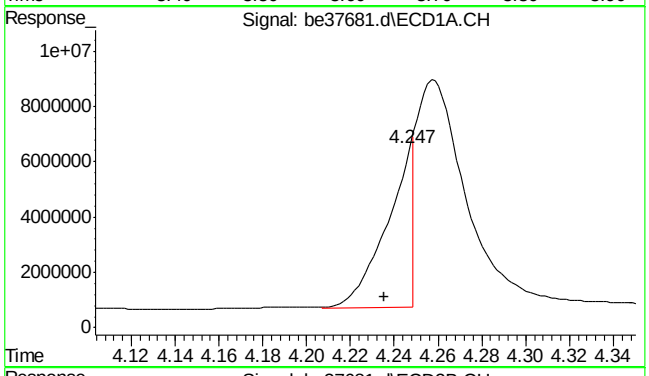
#1 TCMX

R.T.: 3.638 min
Delta R.T.: 0.004 min
Response: 57739384
Conc: 20.04 ppb



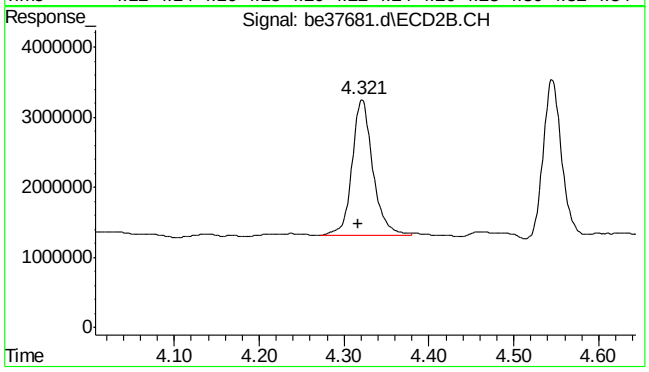
#1 TCMX

R.T.: 3.599 min
Delta R.T.: 0.004 min
Response: 40592757
Conc: 21.59 ppb m



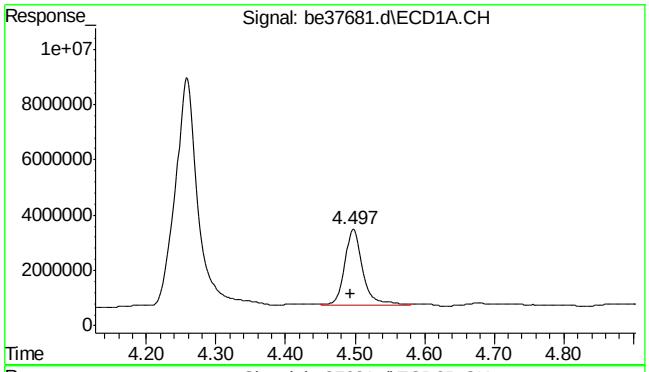
#2 Hexachlorobenzene

R.T.: 4.247 min
Delta R.T.: 0.012 min
Response: 44091814
Conc: 10.25 ppb m



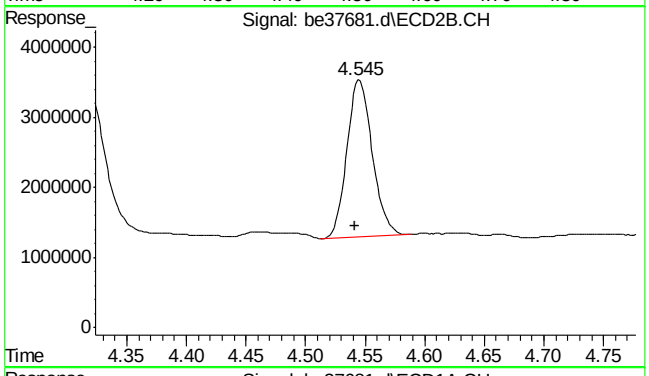
#2 Hexachlorobenzene

R.T.: 4.321 min
Delta R.T.: 0.004 min
Response: 32721256
Conc: 11.18 ppb m



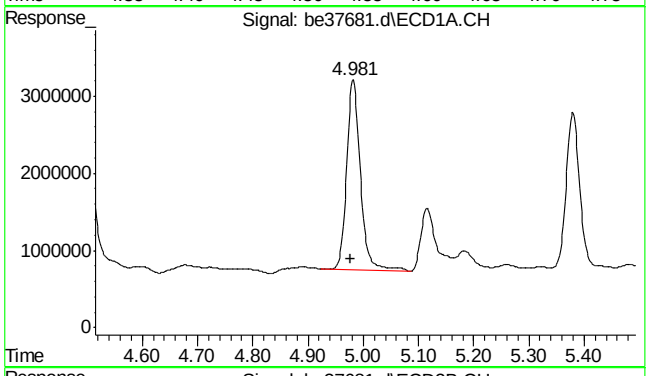
#3 Alpha-BHC

R.T.: 4.497 min
Delta R.T.: 0.003 min
Response: 48537645
Conc: 10.30 ppb m



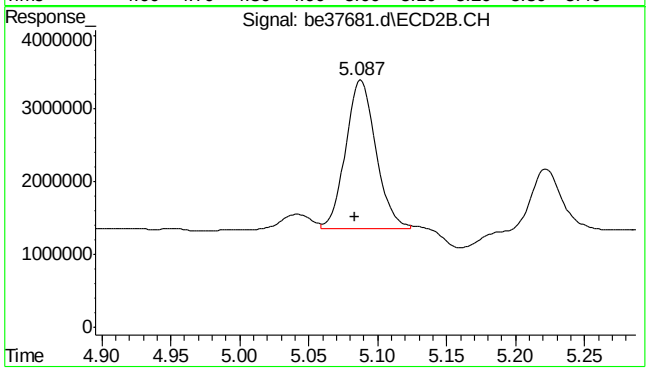
#3 Alpha-BHC

R.T.: 4.546 min
Delta R.T.: 0.004 min
Response: 33130073
Conc: 9.95 ppb



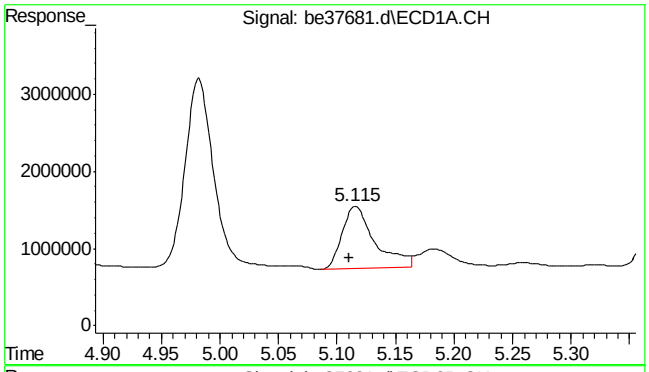
#4 Gamma-BHC

R.T.: 4.982 min
Delta R.T.: 0.004 min
Response: 42577602
Conc: 10.04 ppb



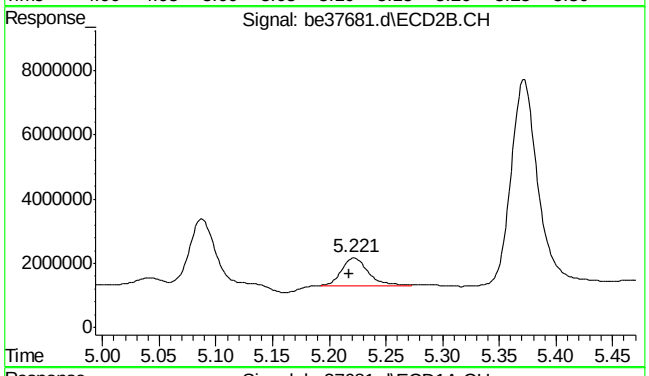
#4 Gamma-BHC

R.T.: 5.087 min
Delta R.T.: 0.003 min
Response: 30998631
Conc: 10.14 ppb m



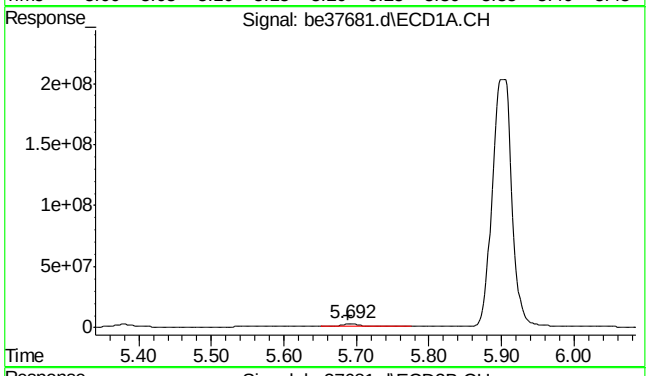
#5 Beta-BHC

R.T.: 5.116 min
Delta R.T.: 0.005 min
Response: 15898395
Conc: 9.01 ppb



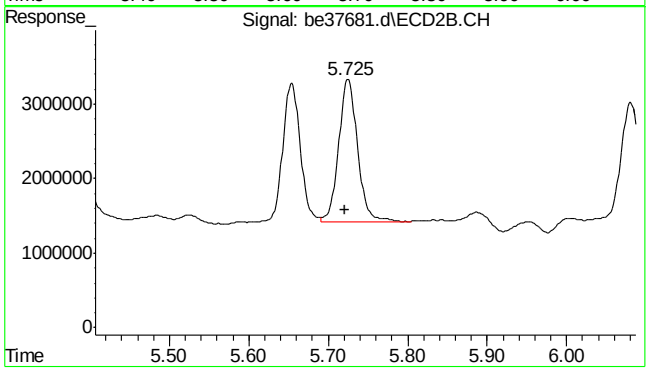
#5 Beta-BHC

R.T.: 5.221 min
Delta R.T.: 0.003 min
Response: 13628942
Conc: 10.67 ppb m



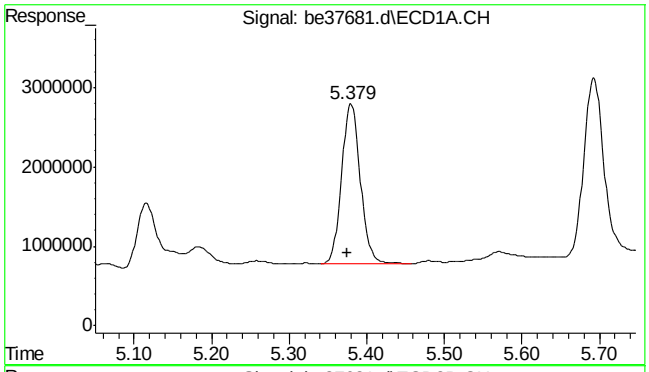
#6 Heptachlor

R.T.: 5.693 min
Delta R.T.: 0.004 min
Response: 43874649
Conc: 10.64 ppb



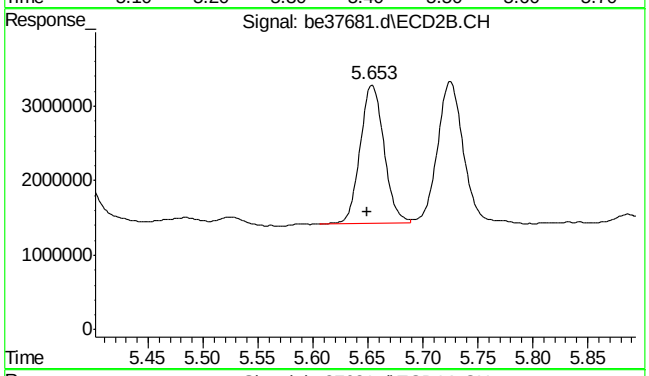
#6 Heptachlor

R.T.: 5.725 min
Delta R.T.: 0.003 min
Response: 31639894
Conc: 11.48 ppb m



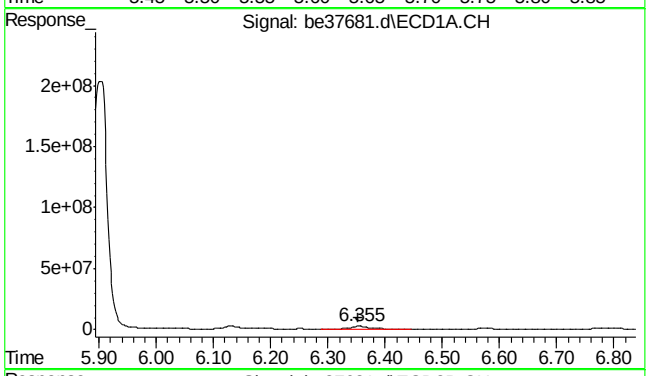
#7 Delta-BHC

R.T.: 5.380 min
Delta R.T.: 0.005 min
Response: 34097155
Conc: 8.18 ppb



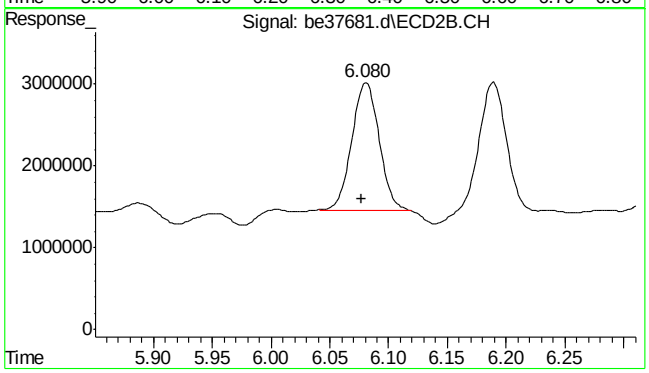
#7 Delta-BHC

R.T.: 5.653 min
Delta R.T.: 0.004 min
Response: 28022699
Conc: 9.24 ppb m



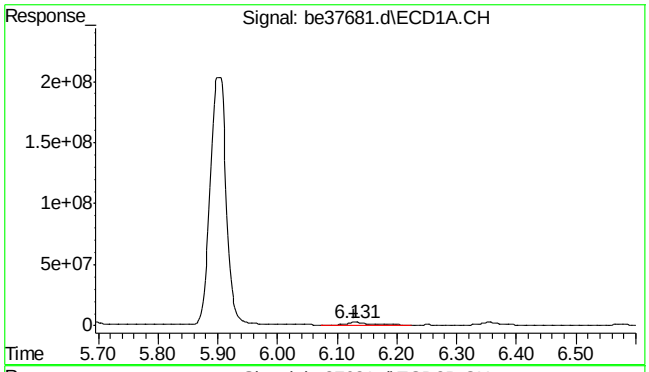
#8 Alachlor

R.T.: 6.356 min
Delta R.T.: 0.002 min
Response: 36365820
Conc: 110.64 ppb



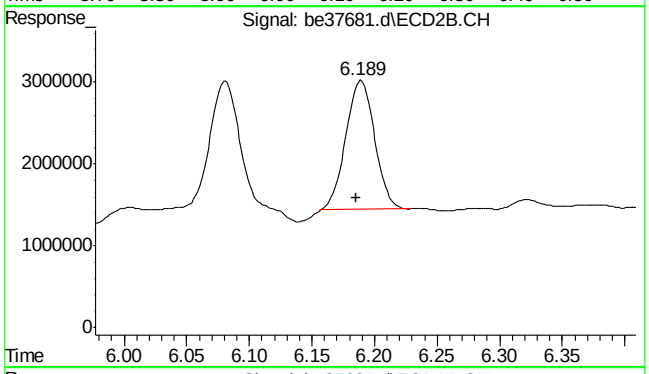
#8 Alachlor

R.T.: 6.080 min
Delta R.T.: 0.003 min
Response: 25236569
Conc: 107.33 ppb m



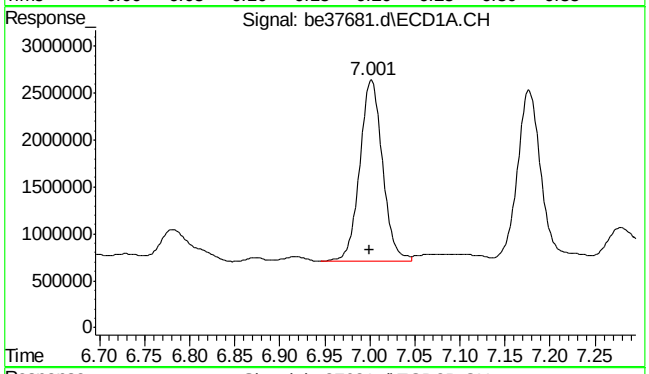
#9 Aldrin

R.T.: 6.132 min
Delta R.T.: 0.004 min
Response: 39295713
Conc: 10.38 ppb



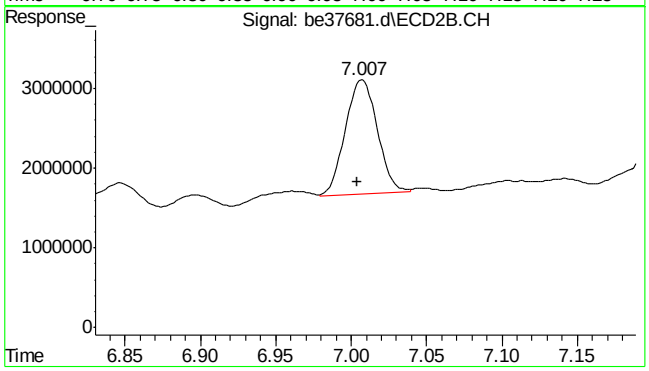
#9 Aldrin

R.T.: 6.189 min
Delta R.T.: 0.004 min
Response: 25027133
Conc: 8.89 ppb m



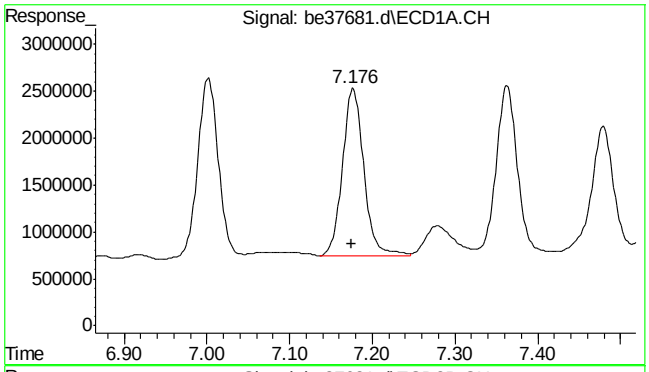
#10 Heptachlor Epoxide

R.T.: 7.002 min
Delta R.T.: 0.003 min
Response: 34074815
Conc: 9.97 ppb



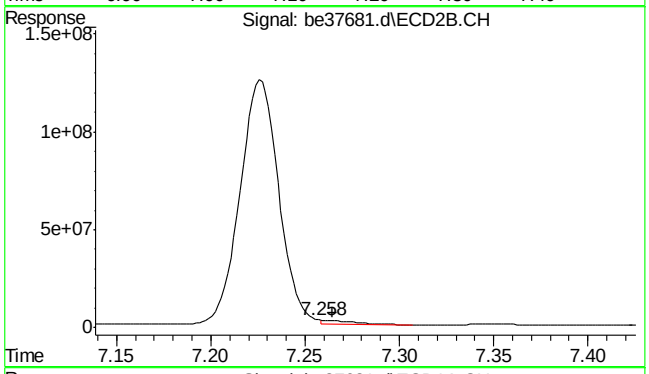
#10 Heptachlor Epoxide

R.T.: 7.007 min
Delta R.T.: 0.003 min
Response: 21137114
Conc: 9.87 ppb m



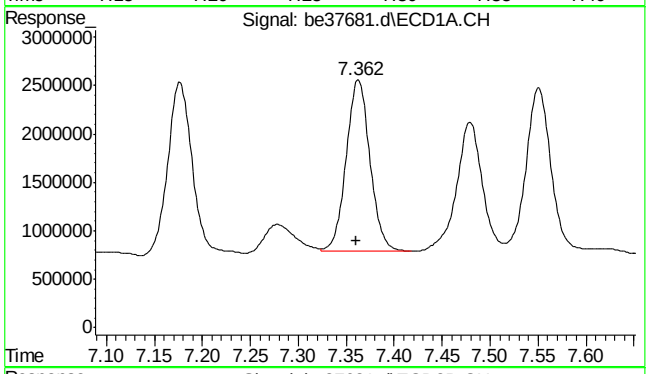
#11 Gamma-Chlordane

R.T.: 7.176 min
Delta R.T.: 0.002 min
Response: 32056083
Conc: 9.27 ppb m



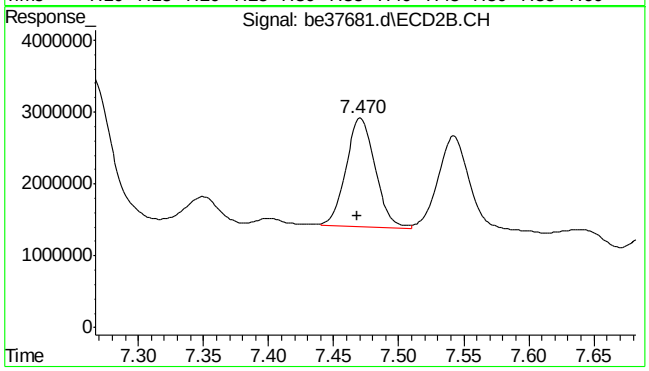
#11 Gamma-Chlordane

R.T.: 7.258 min
Delta R.T.: -0.006 min
Response: 22035134
Conc: 8.92 ppb m



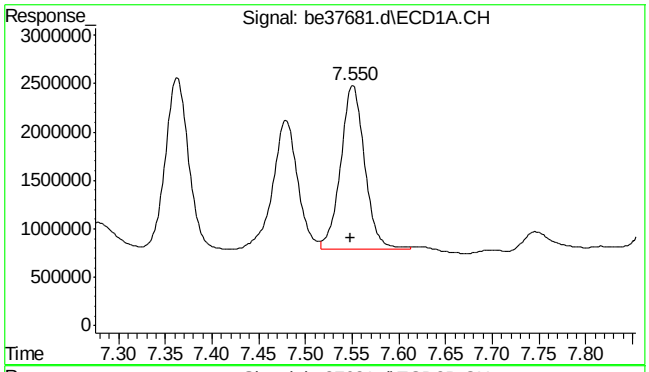
#12 Alpha-Chlordane

R.T.: 7.362 min
Delta R.T.: 0.002 min
Response: 30631164
Conc: 9.77 ppb m



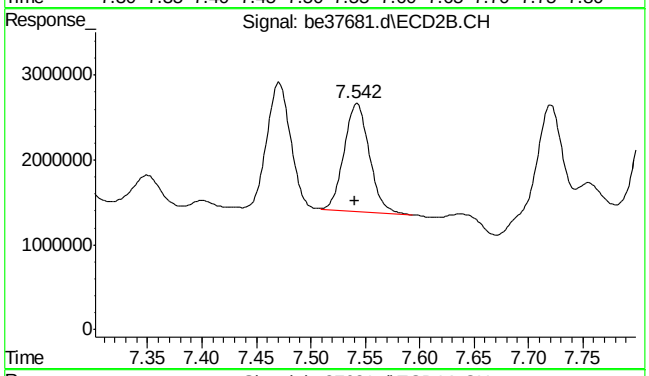
#12 Alpha-Chlordane

R.T.: 7.470 min
Delta R.T.: 0.002 min
Response: 23509658
Conc: 10.57 ppb m



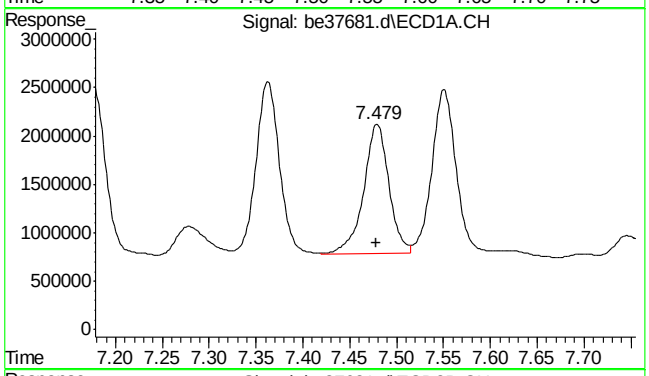
#13 Endosulfan-I

R.T.: 7.550 min
Delta R.T.: 0.002 min
Response: 30194888
Conc: 9.64 ppb m



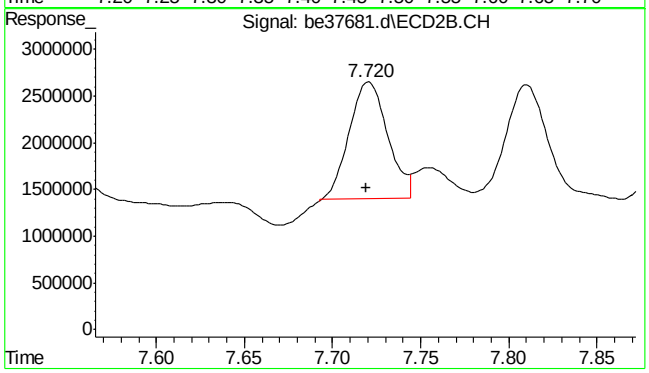
#13 Endosulfan-I

R.T.: 7.542 min
Delta R.T.: 0.001 min
Response: 20853698
Conc: 10.08 ppb m



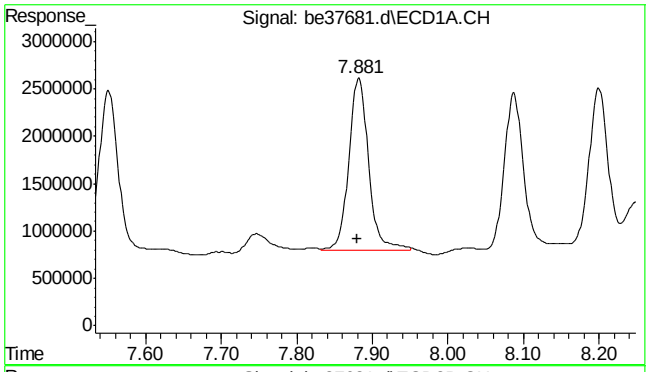
#14 4,4'-DDE

R.T.: 7.479 min
Delta R.T.: 0.000 min
Response: 25104636
Conc: 8.73 ppb m



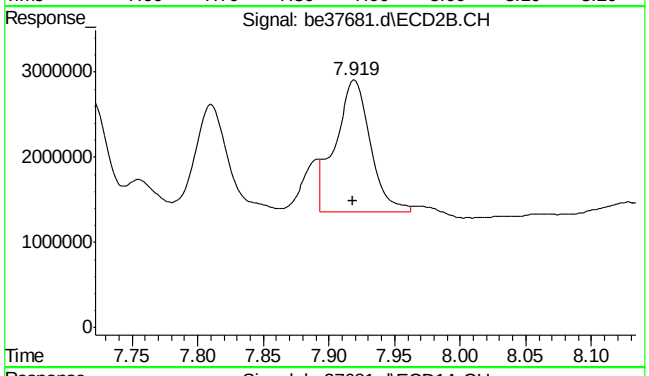
#14 4,4'-DDE

R.T.: 7.720 min
Delta R.T.: 0.001 min
Response: 19062735
Conc: 9.12 ppb m



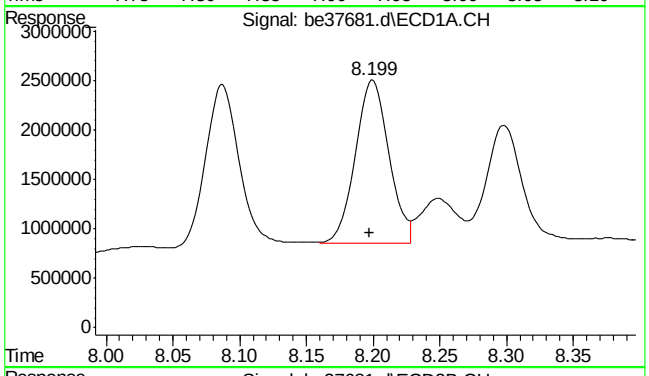
#15 Dieldrin

R.T.: 7.881 min
Delta R.T.: 0.002 min
Response: 32973726
Conc: 10.08 ppb m



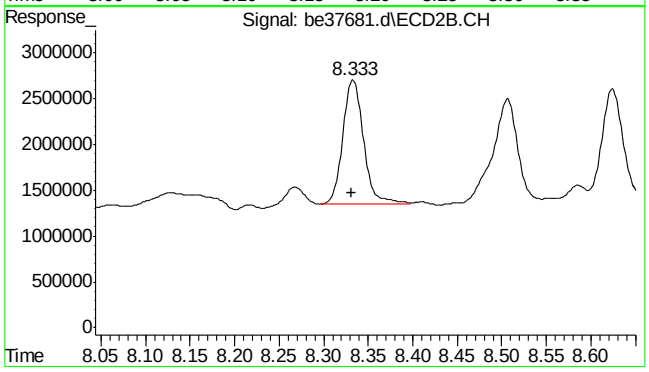
#15 Dieldrin

R.T.: 7.919 min
Delta R.T.: 0.001 min
Response: 28718209
Conc: 12.80 ppb m



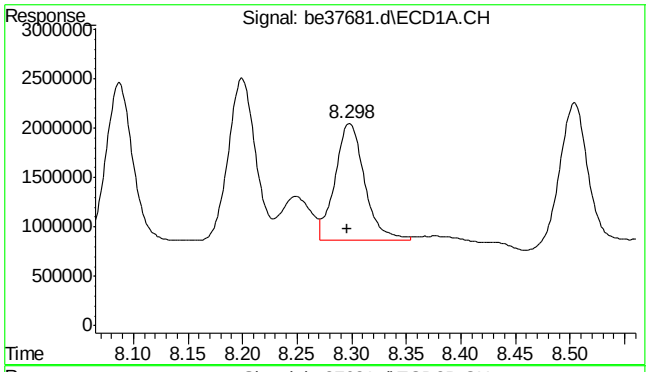
#16 Endrin

R.T.: 8.199 min
Delta R.T.: 0.002 min
Response: 28902835
Conc: 10.62 ppb m



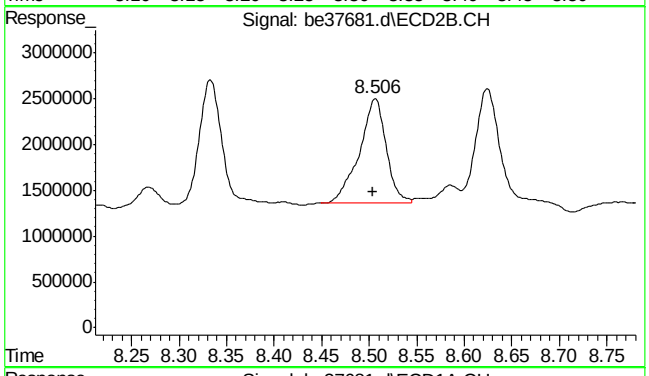
#16 Endrin

R.T.: 8.333 min
Delta R.T.: 0.001 min
Response: 22247252
Conc: 11.45 ppb m



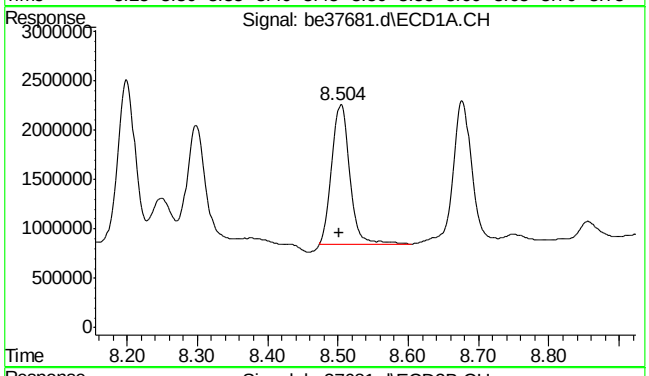
#17 4,4'-DDD

R.T.: 8.298 min
Delta R.T.: 0.002 min
Response: 22055425
Conc: 9.87 ppb m



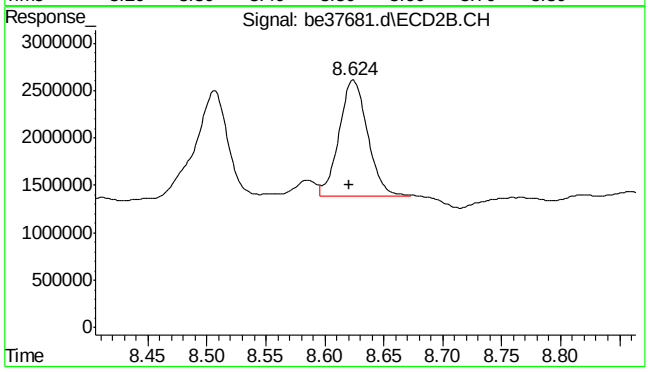
#17 4,4'-DDD

R.T.: 8.506 min
Delta R.T.: 0.002 min
Response: 22460061
Conc: 14.74 ppb m



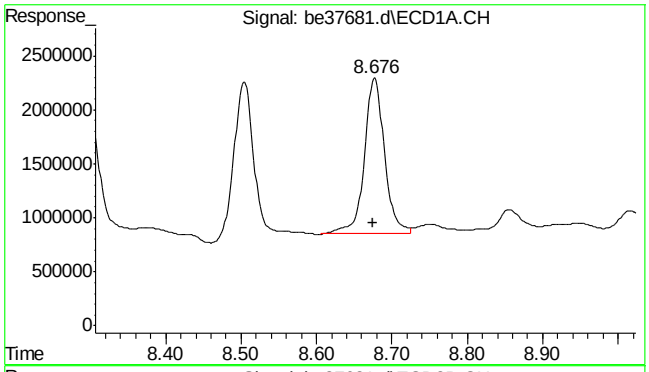
#18 Endosulfan-II

R.T.: 8.504 min
Delta R.T.: 0.002 min
Response: 25222619
Conc: 9.67 ppb m



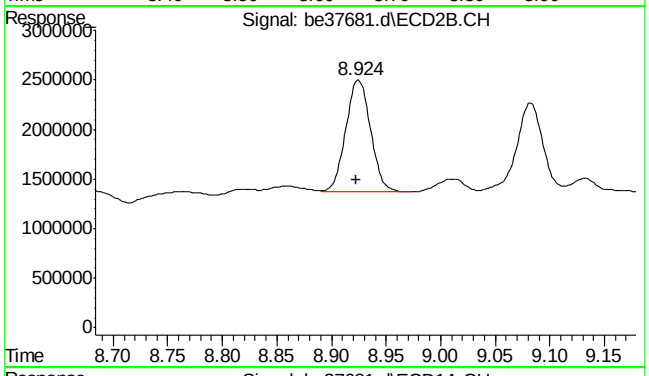
#18 Endosulfan-II

R.T.: 8.624 min
Delta R.T.: 0.002 min
Response: 20391545
Conc: 11.38 ppb m



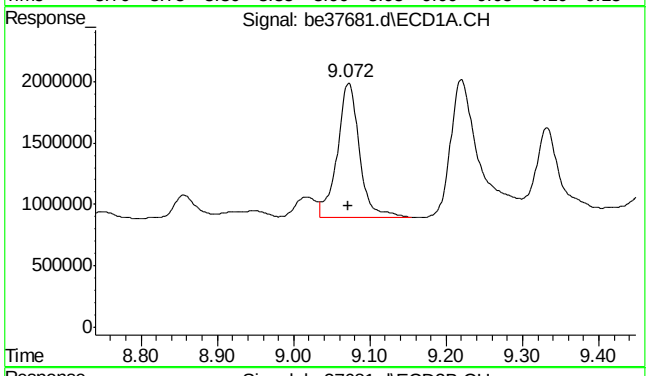
#19 4,4'-DDT

R.T.: 8.676 min
Delta R.T.: 0.002 min
Response: 26936092
Conc: 11.00 ppb m



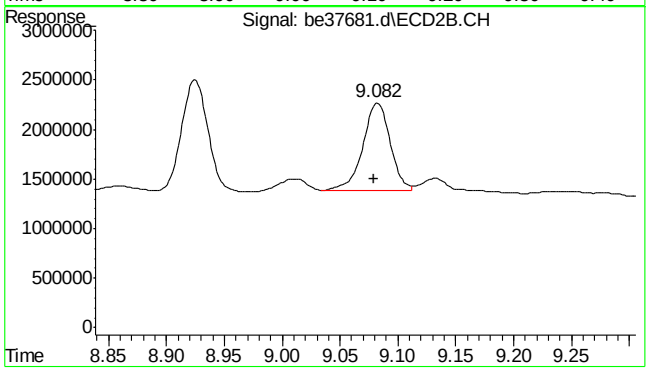
#19 4,4'-DDT

R.T.: 8.924 min
Delta R.T.: 0.002 min
Response: 17740636
Conc: 10.81 ppb m



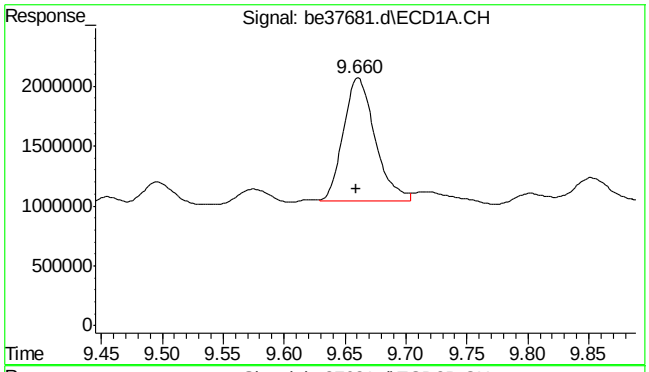
#20 Endrin Aldehyde

R.T.: 9.073 min
Delta R.T.: 0.001 min
Response: 21947233
Conc: 10.48 ppb



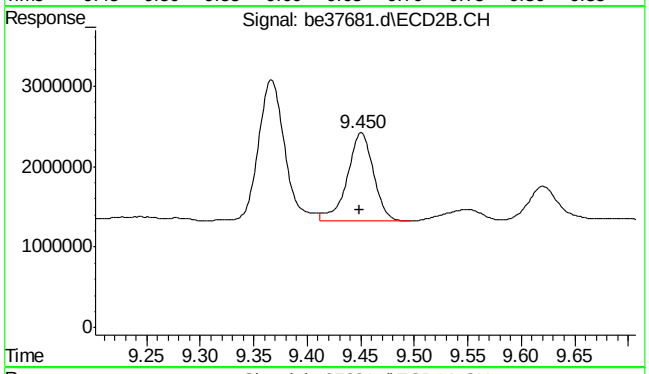
#20 Endrin Aldehyde

R.T.: 9.082 min
Delta R.T.: 0.002 min
Response: 14509766
Conc: 10.24 ppb m



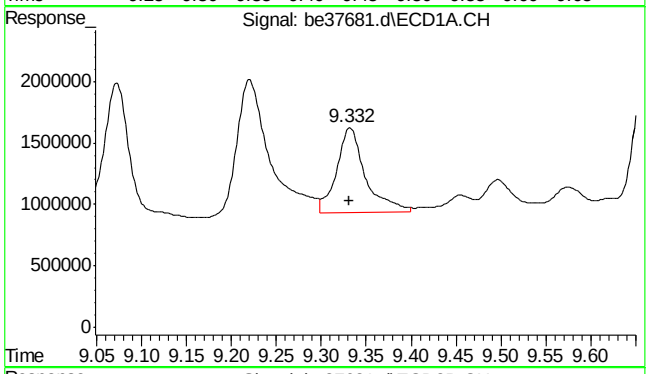
#21 Endosulfan Sulfate

R.T.: 9.660 min
Delta R.T.: 0.001 min
Response: 18449097
Conc: 8.09 ppb m



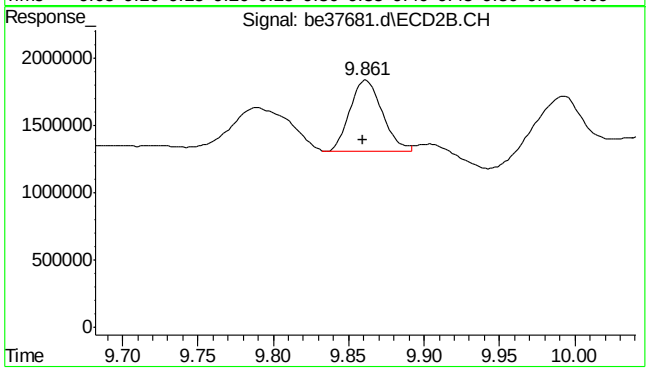
#21 Endosulfan Sulfate

R.T.: 9.451 min
Delta R.T.: 0.002 min
Response: 18665160
Conc: 11.53 ppb



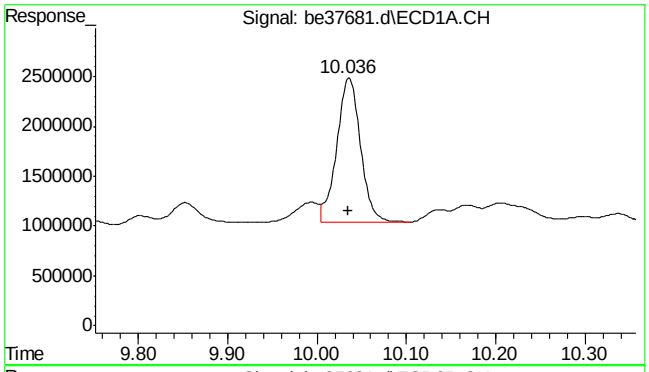
#22 Methoxychlor

R.T.: 9.332 min
Delta R.T.: 0.000 min
Response: 15306918
Conc: 13.53 ppb m



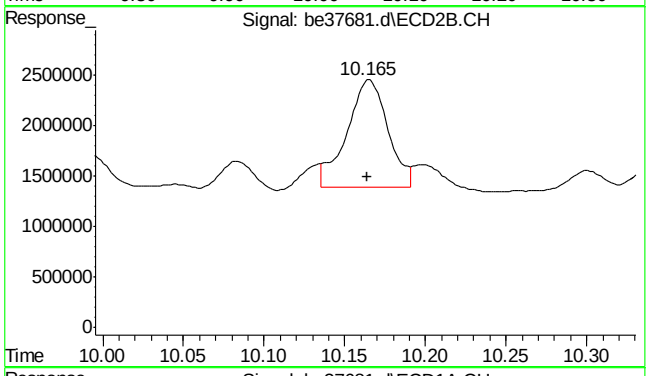
#22 Methoxychlor

R.T.: 9.861 min
Delta R.T.: 0.001 min
Response: 7888810
Conc: 11.23 ppb m



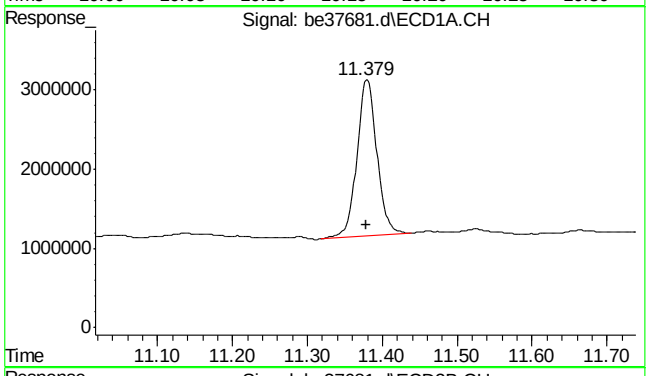
#23 Endrin Ketone

R.T.: 10.036 min
Delta R.T.: 0.000 min
Response: 26734365
Conc: 10.46 ppb



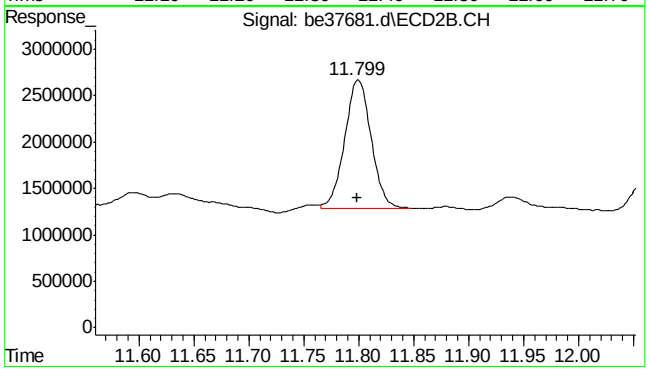
#23 Endrin Ketone

R.T.: 10.165 min
Delta R.T.: 0.000 min
Response: 19164110
Conc: 11.28 ppb m



#38 DCB

R.T.: 11.379 min
Delta R.T.: 0.000 min
Response: 36604187
Conc: 18.80 ppb m



#38 DCB

R.T.: 11.799 min
Delta R.T.: 0.000 min
Response: 23434040
Conc: 22.89 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/19/13 11:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130815\
Data File : BK28000.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2013 11:45 pm
Operator : nickk
Sample : op34307-ms
Misc : op34307,gbk953,5.37,,,10,,s
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:01:45 2013
Quant Method : C:\msdchem\1\METHODS\PC130815.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.400	2.372	8256.0E6	198.5E6	31.877m	26.628
	Spiked Amount 40.000			Recovery =		79.69%	66.57%
13) s	DCB	9.242	9.876	11341.5E6	226.0E6	33.491m	27.409m
	Spiked Amount 40.000			Recovery =		83.73%	68.52%
	Target Compounds						
2)	AR1016-A	2.683	2.756	783.8E6	37953534	181.494m	303.774m#
3)	AR1016-B	2.983	3.100	2916.3E6	68401198	298.690m	254.513m
4)	AR1016-C	3.408	3.529	5886.1E6	139.0E6	272.882m	267.827m
5)	AR1016-D	3.537	3.662	3357.8E6	53958399	253.072m	259.206m
6)	AR1016-E	3.949	4.153	2391.0E6	67907973	274.999m	271.266m
7)	AR1260-A	5.387	5.716	4855.6E6	100.5E6	315.595	278.224
8)	AR1260-B	5.752	6.002	9496.4E6	115.5E6	300.972m	268.147
9)	AR1260-C	6.295	6.641	17009.6E6	297.9E6	305.366m	273.727m
10)	AR1260-D	7.099	7.456	14464.1E6	230.8E6	332.130	278.082m
11)	AR1260-E	7.522	8.020	12539.3E6	220.8E6	318.461m	273.869m
12)	AR1260-F	8.483	8.938	3099.8E6	64679496	322.073m	281.254

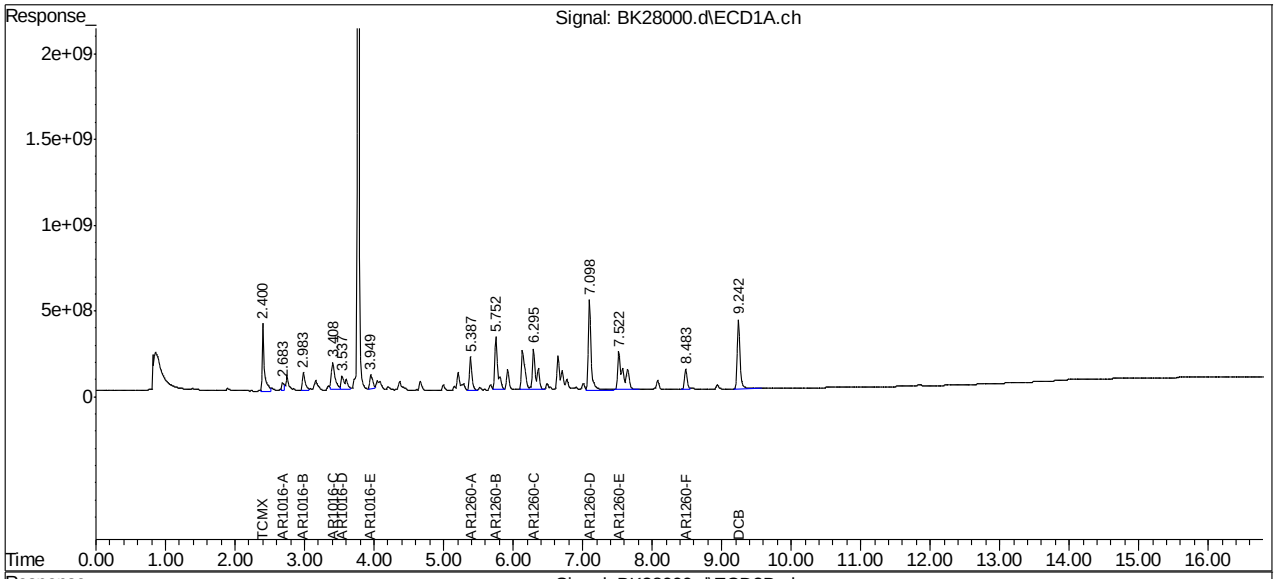
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

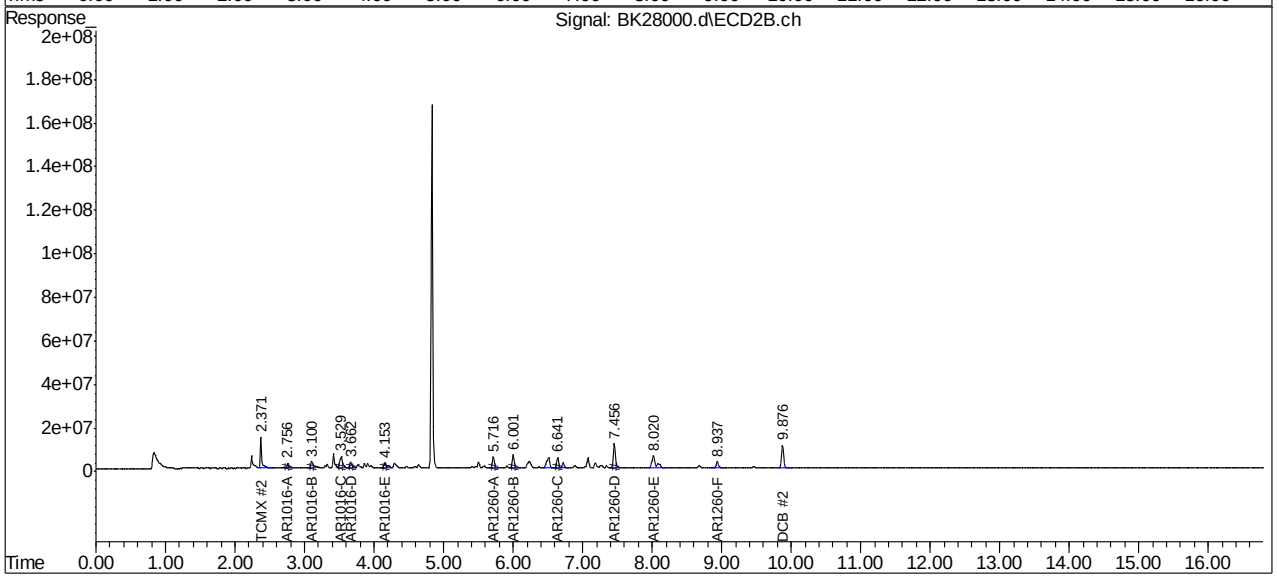
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130815\
Data File : BK28000.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2013 11:45 pm
Operator : nickk
Sample : op34307-ms
Misc : op34307,gbk953,5.37,,,10,,s
ALS Vial : 40 Sample Multiplier: 1

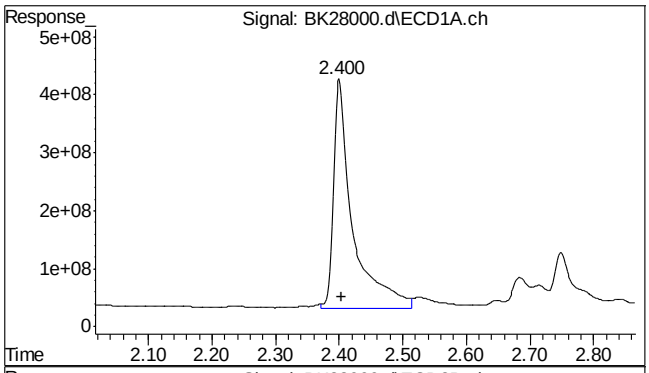
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:01:45 2013
Quant Method : C:\msdchem\1\METHODS\PC130815.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



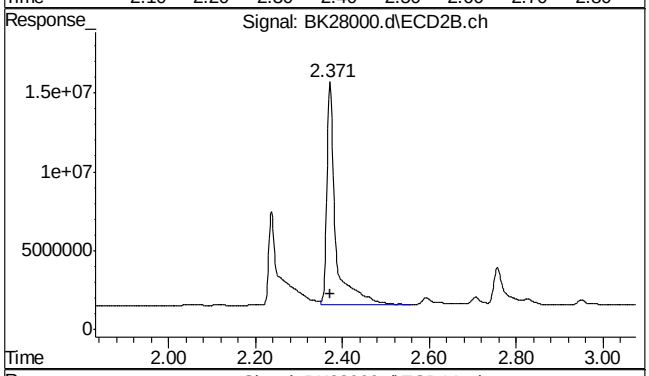


ACCUTEST LABORATORIES MC23272



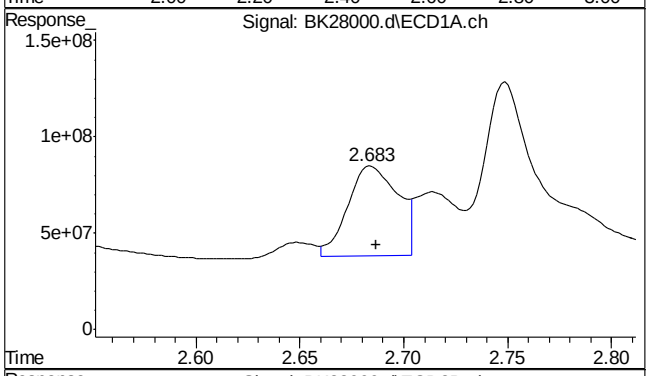
#1 TCMX

R.T.: 2.400 min
Delta R.T.: -0.003 min
Response: 8255991430
Conc: 31.88 ppb m



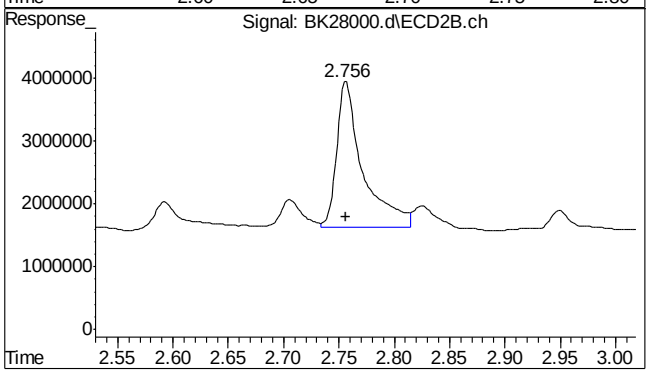
#1 TCMX

R.T.: 2.372 min
Delta R.T.: 0.000 min
Response: 198542334
Conc: 26.63 ppb



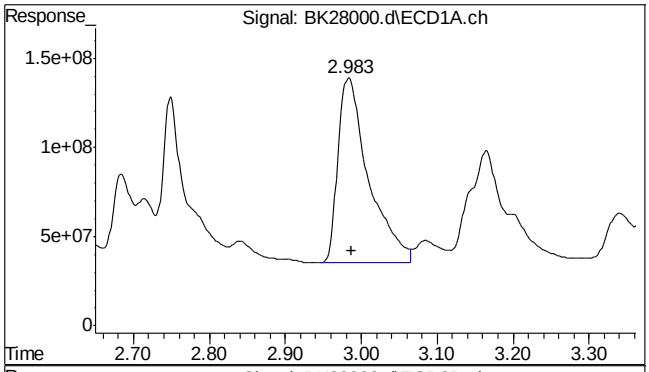
#2 AR1016-A

R.T.: 2.683 min
Delta R.T.: -0.004 min
Response: 783763636
Conc: 181.49 ppb m



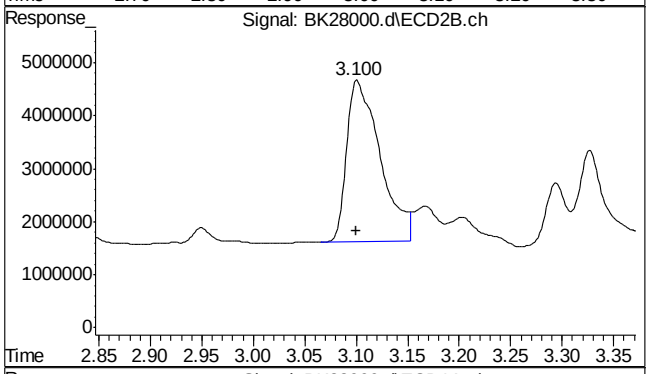
#2 AR1016-A

R.T.: 2.756 min
Delta R.T.: 0.000 min
Response: 37953534
Conc: 303.77 ppb m



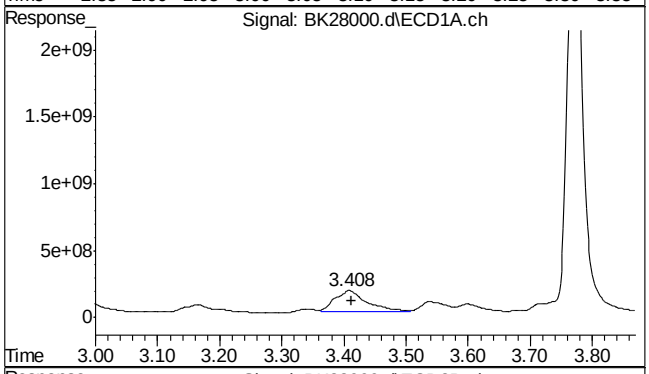
#3 AR1016-B

R.T.: 2.983 min
Delta R.T.: -0.004 min
Response: 2916299748
Conc: 298.69 ppb m



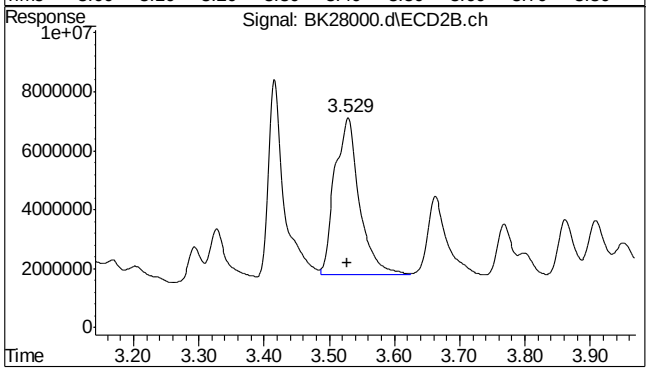
#3 AR1016-B

R.T.: 3.100 min
Delta R.T.: 0.000 min
Response: 68401198
Conc: 254.51 ppb m



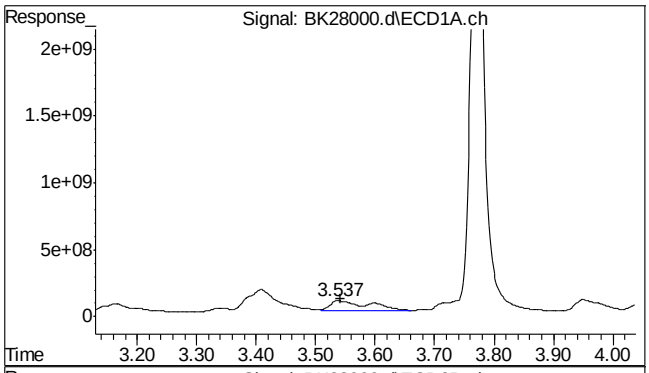
#4 AR1016-C

R.T.: 3.408 min
Delta R.T.: -0.005 min
Response: 5886126709
Conc: 272.88 ppb m



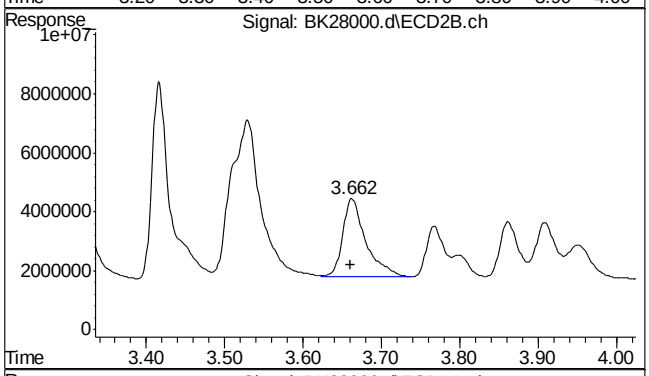
#4 AR1016-C

R.T.: 3.529 min
Delta R.T.: 0.000 min
Response: 139048386
Conc: 267.83 ppb m



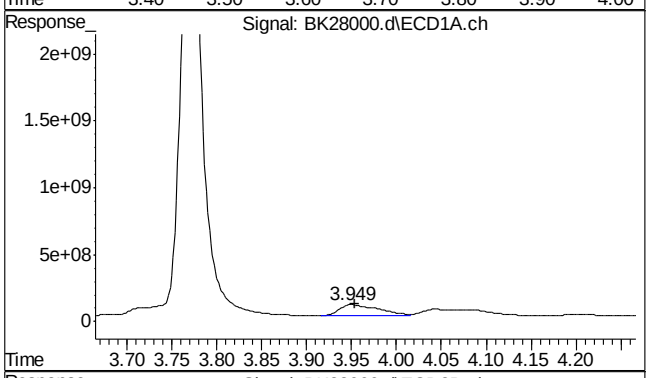
#5 AR1016-D

R.T.: 3.537 min
Delta R.T.: -0.005 min
Response: 3357813267
Conc: 253.07 m



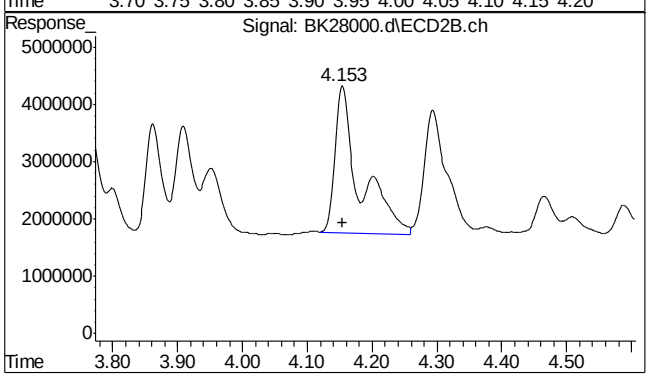
#5 AR1016-D

R.T.: 3.662 min
Delta R.T.: 0.000 min
Response: 53958399
Conc: 259.21 m



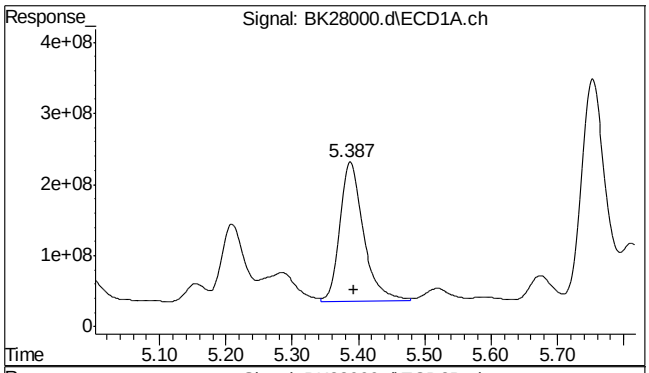
#6 AR1016-E

R.T.: 3.949 min
Delta R.T.: -0.005 min
Response: 2390992091
Conc: 275.00 m



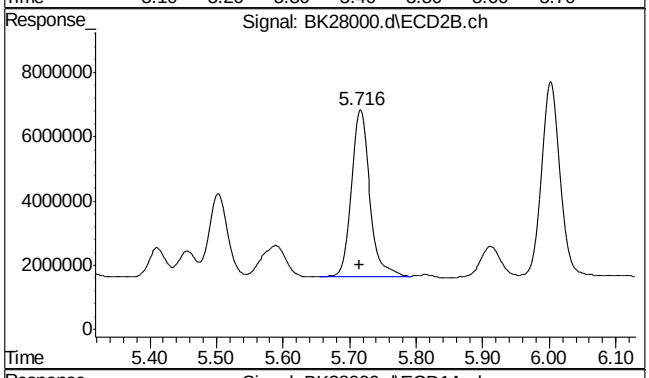
#6 AR1016-E

R.T.: 4.153 min
Delta R.T.: 0.000 min
Response: 67907973
Conc: 271.27 m



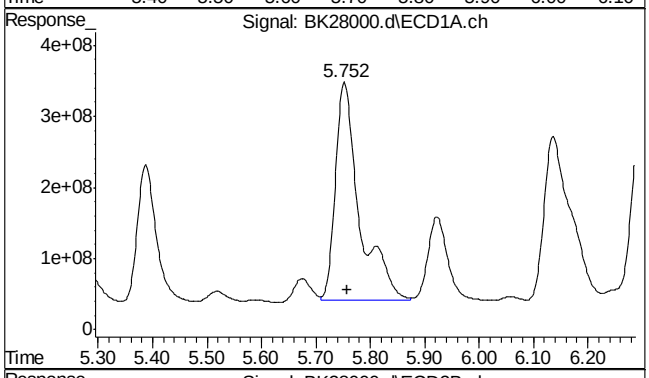
#7 AR1260-A

R.T.: 5.387 min
Delta R.T.: -0.006 min
Response: 4855587801
Conc: 315.60 ppb



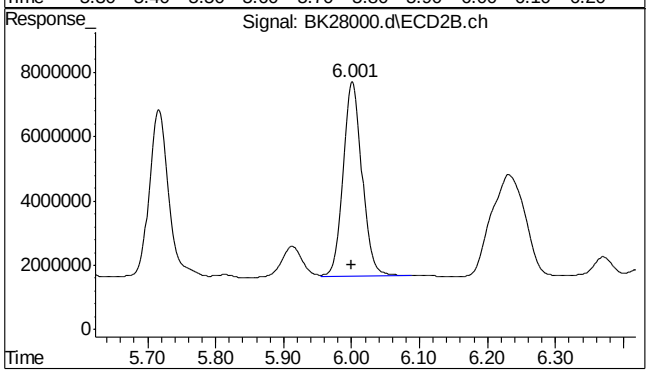
#7 AR1260-A

R.T.: 5.716 min
Delta R.T.: 0.001 min
Response: 100474040
Conc: 278.22 ppb



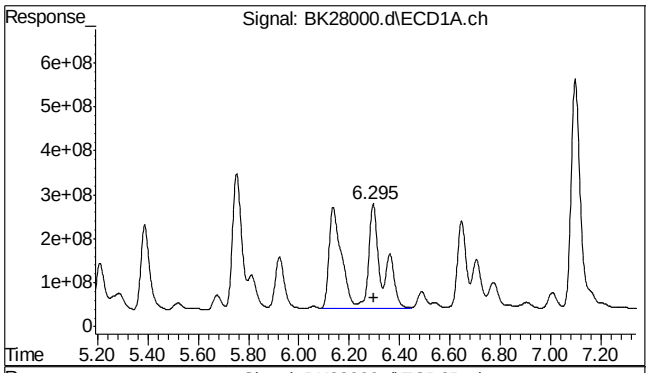
#8 AR1260-B

R.T.: 5.752 min
Delta R.T.: -0.006 min
Response: 9496409712
Conc: 300.97 ppb m



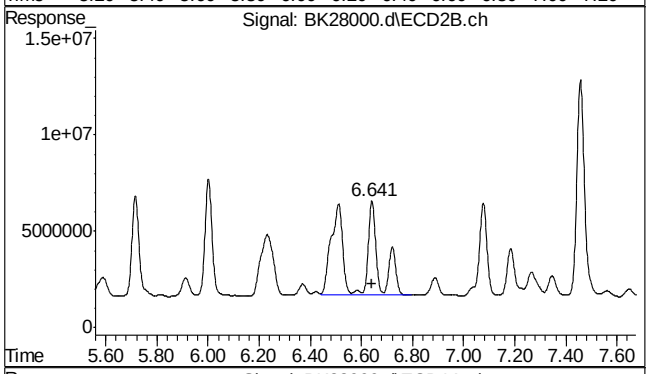
#8 AR1260-B

R.T.: 6.002 min
Delta R.T.: 0.002 min
Response: 115461606
Conc: 268.15 ppb



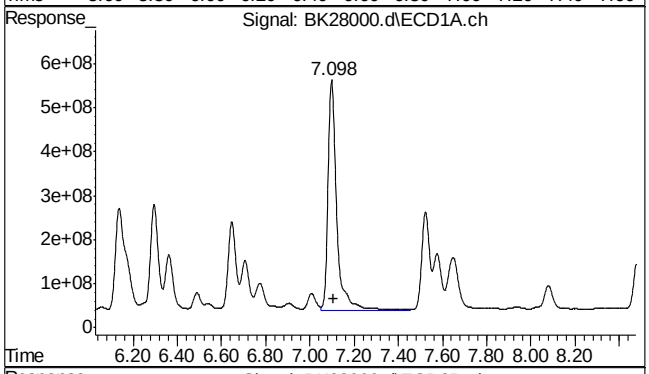
#9 AR1260-C

R.T.: 6.295 min
Delta R.T.: -0.006 min
Response: 17009625292
Conc: 305.37 ppb m



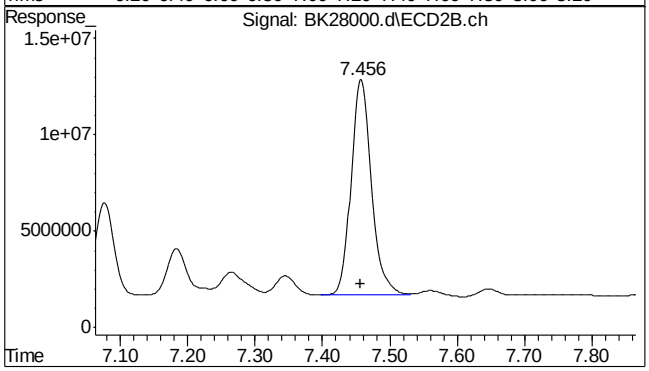
#9 AR1260-C

R.T.: 6.641 min
Delta R.T.: 0.000 min
Response: 297895529
Conc: 273.73 ppb m



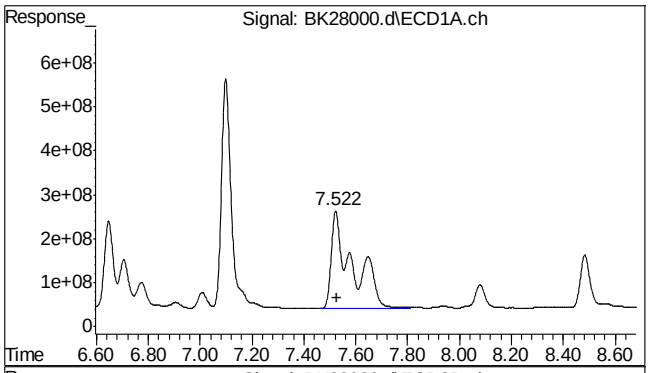
#10 AR1260-D

R.T.: 7.099 min
Delta R.T.: -0.007 min
Response: 14464095445
Conc: 332.13 ppb



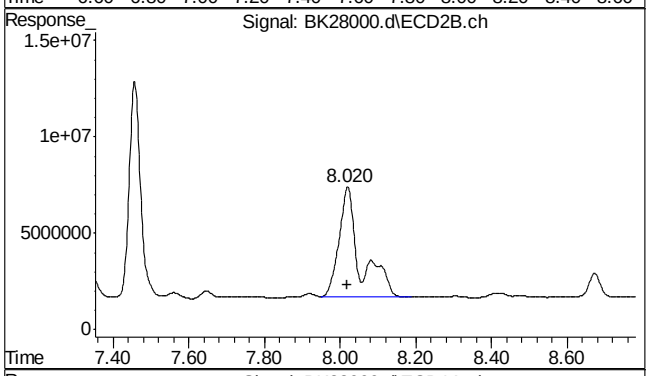
#10 AR1260-D

R.T.: 7.456 min
Delta R.T.: 0.000 min
Response: 230808414
Conc: 278.08 ppb m



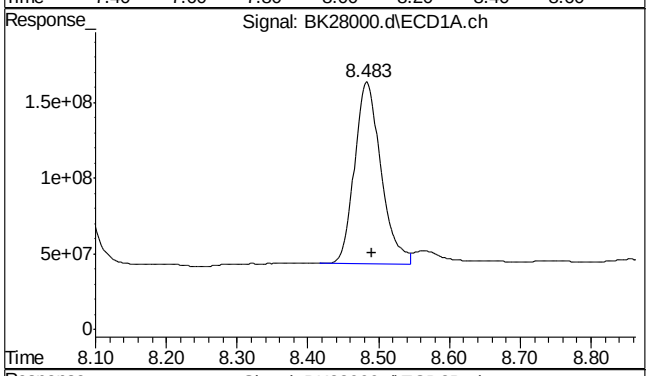
#11 AR1260-E

R.T.: 7.522 min
Delta R.T.: -0.008 min
Response: 12539278383
Conc: 318.46 ppb m



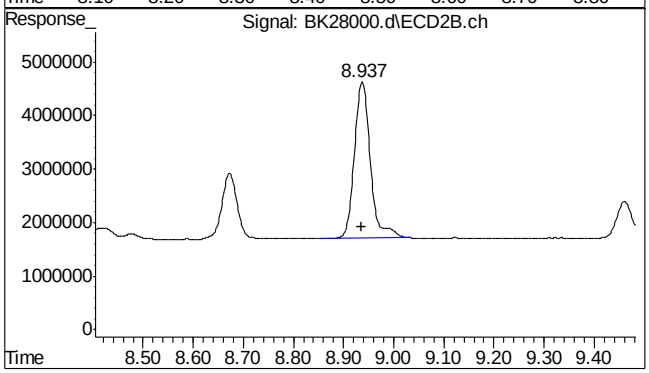
#11 AR1260-E

R.T.: 8.020 min
Delta R.T.: 0.000 min
Response: 220788053
Conc: 273.87 ppb m



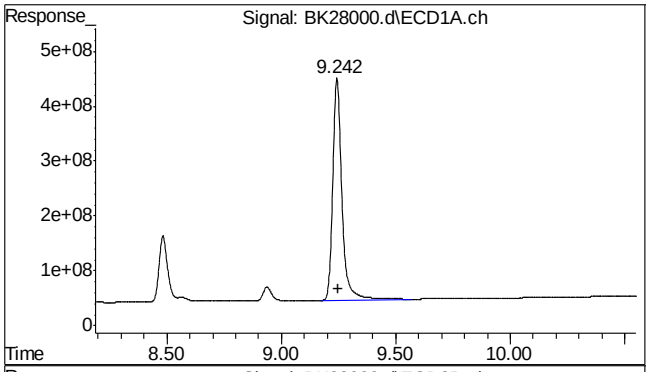
#12 AR1260-F

R.T.: 8.483 min
Delta R.T.: -0.008 min
Response: 3099816048
Conc: 322.07 m



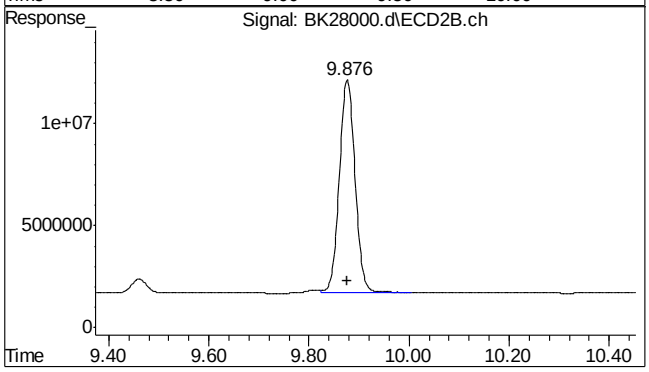
#12 AR1260-F

R.T.: 8.938 min
Delta R.T.: 0.000 min
Response: 64679496
Conc: 281.25



#13 DCB

R.T.: 9.242 min
Delta R.T.: -0.008 min
Response: 11341462627
Conc: 33.49 ppb m



#13 DCB

R.T.: 9.876 min
Delta R.T.: 0.000 min
Response: 225996002
Conc: 27.41 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/19/13 11:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130815\
Data File : BK28001.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Aug 2013 12:04 am
Operator : nickk
Sample : op34307-msd
Misc : op34307,gbk953,5.31,,,10,,s
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:04:22 2013
Quant Method : C:\msdchem\1\METHODS\PC130815.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.402	2.373	8043.5E6	197.7E6	31.057m	26.514m
	Spiked Amount 40.000			Recovery =		77.64%	66.28%
13) s	DCB	9.242	9.877	11398.4E6	225.9E6	33.675m	27.402m
	Spiked Amount 40.000			Recovery =		84.19%	68.51%
	Target Compounds						
2)	AR1016-A	2.685	2.758	1241.8E6	33678744	287.567m	269.559m
3)	AR1016-B	2.984	3.101	2966.2E6	77681388	303.801m	289.044m
4)	AR1016-C	3.409	3.529	6037.3E6	137.9E6	279.891m	265.681m
5)	AR1016-D	3.538	3.662	3802.9E6	56008858	286.616m	269.056m
6)	AR1016-E	3.950	4.154	2592.8E6	65123008	298.210m	260.142m
7)	AR1260-A	5.387	5.715	4794.3E6	98865963	311.615	273.771m
8)	AR1260-B	5.751	6.002	9598.2E6	112.6E6	304.197m	261.585
9)	AR1260-C	6.294	6.640	17103.3E6	298.9E6	307.047m	274.629m
10)	AR1260-D	7.099	7.457	14149.9E6	223.5E6	324.914	269.259
11)	AR1260-E	7.522	8.020	12215.5E6	218.1E6	310.237m	270.580m
12)	AR1260-F	8.483	8.937	3017.7E6	62959418	313.536m	273.774

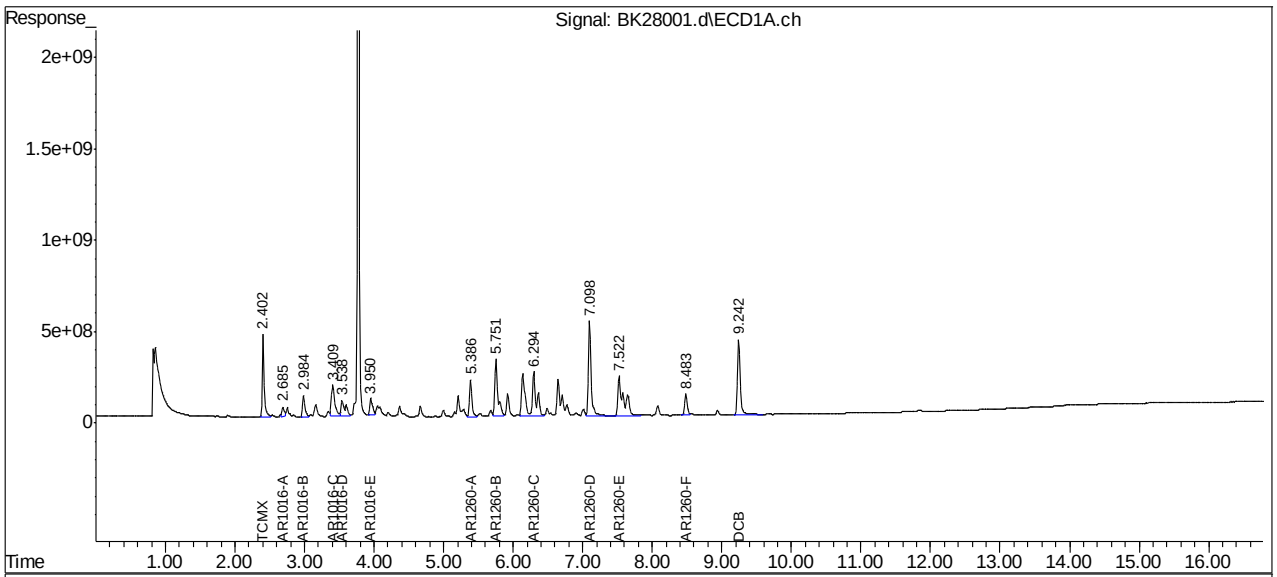
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

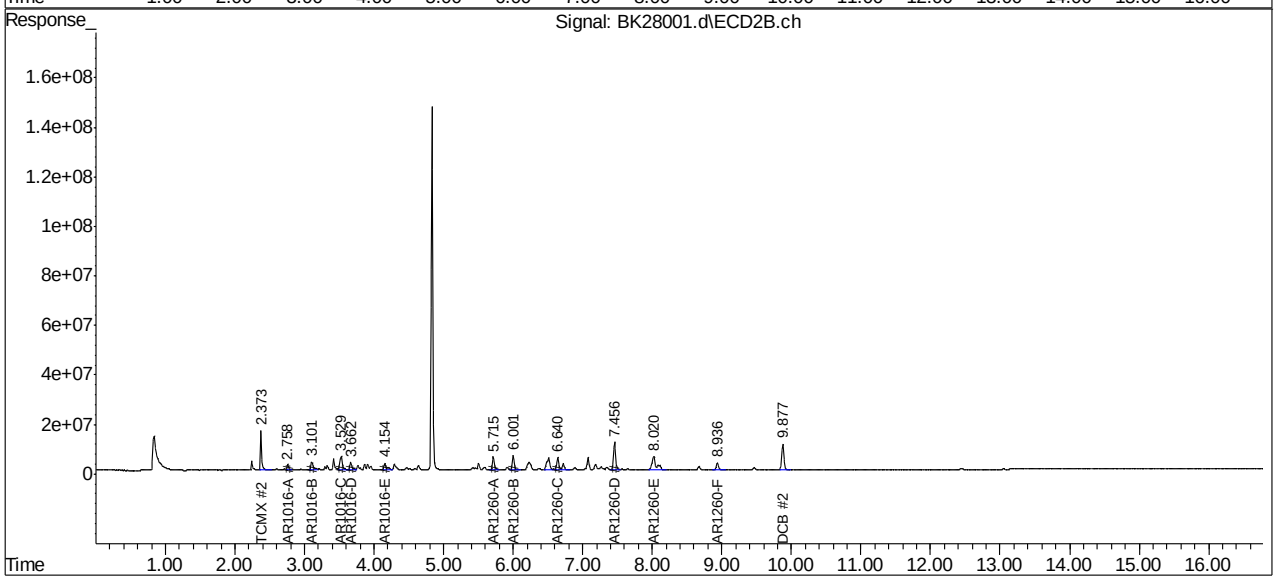
Quantitation Report (QT Reviewed)

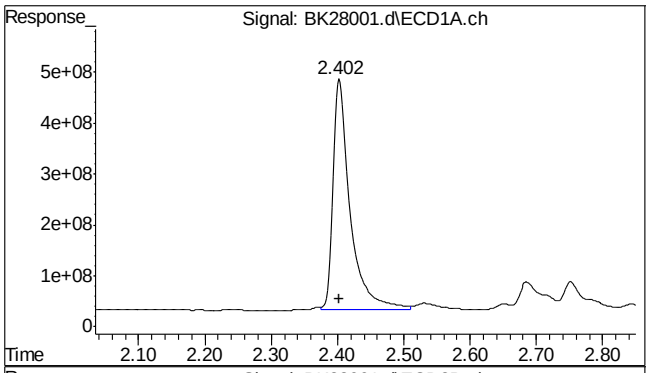
Data Path : C:\msdchem\1\DATA\BK130815\
Data File : BK28001.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Aug 2013 12:04 am
Operator : nickk
Sample : op34307-msd
Misc : op34307,gbk953,5.31,,,10,,s
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:04:22 2013
Quant Method : C:\msdchem\1\METHODS\PC130815.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

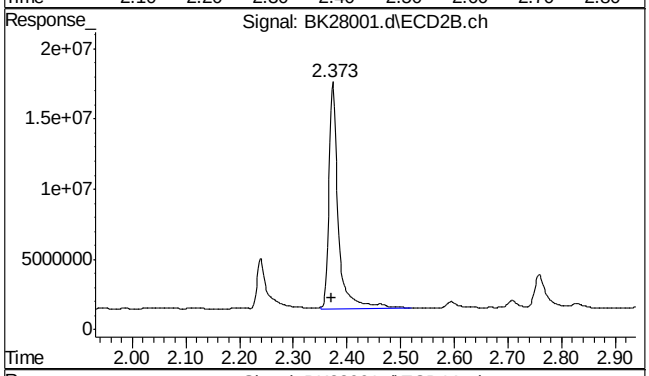






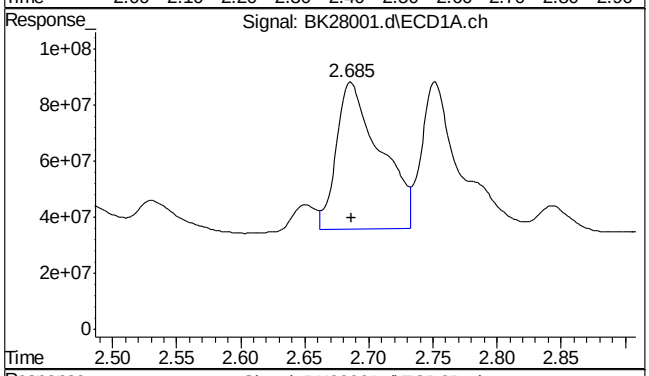
#1 TCMX

R.T.: 2.402 min
Delta R.T.: -0.001 min
Response: 8043501485
Conc: 31.06 ppb m



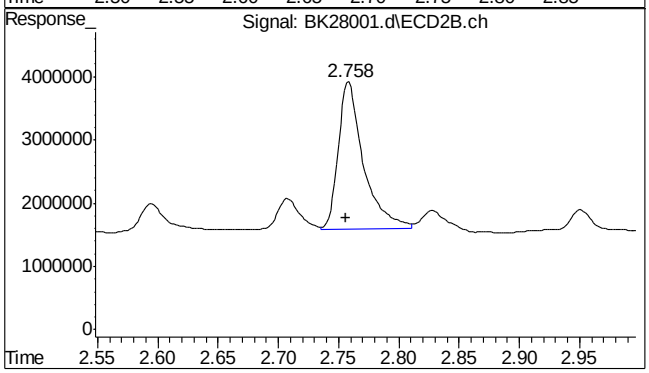
#1 TCMX

R.T.: 2.373 min
Delta R.T.: 0.002 min
Response: 197694616
Conc: 26.51 ppb m



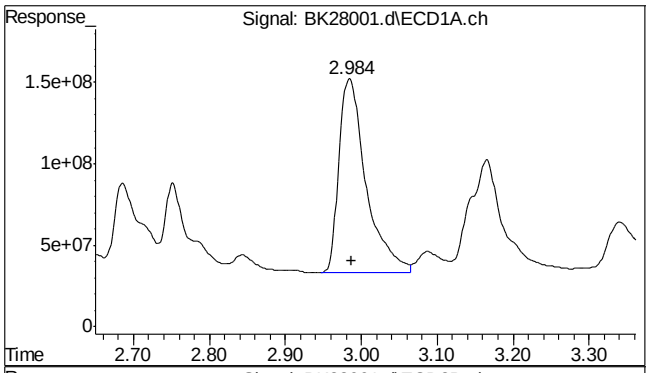
#2 AR1016-A

R.T.: 2.685 min
Delta R.T.: -0.002 min
Response: 1241834263
Conc: 287.57 ppb m



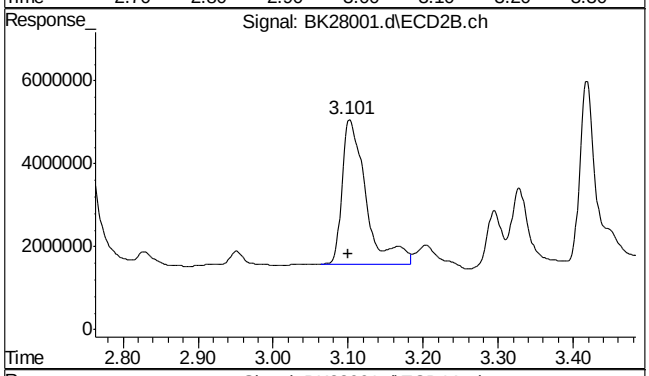
#2 AR1016-A

R.T.: 2.758 min
Delta R.T.: 0.002 min
Response: 33678744
Conc: 269.56 ppb m



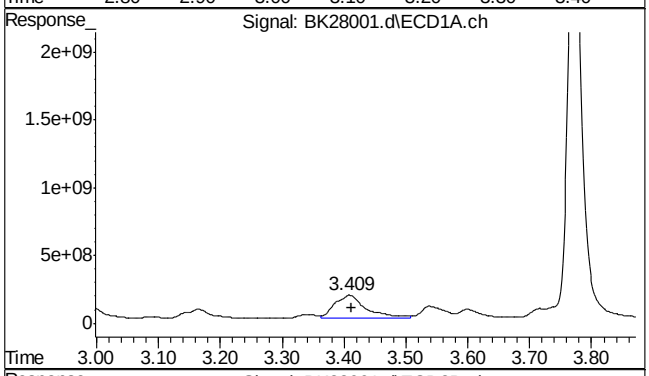
#3 AR1016-B

R.T.: 2.984 min
Delta R.T.: -0.003 min
Response: 2966203779
Conc: 303.80 ppb m



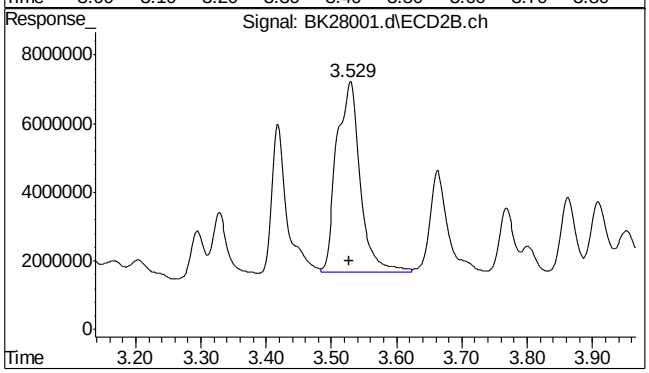
#3 AR1016-B

R.T.: 3.101 min
Delta R.T.: 0.001 min
Response: 77681388
Conc: 289.04 ppb m



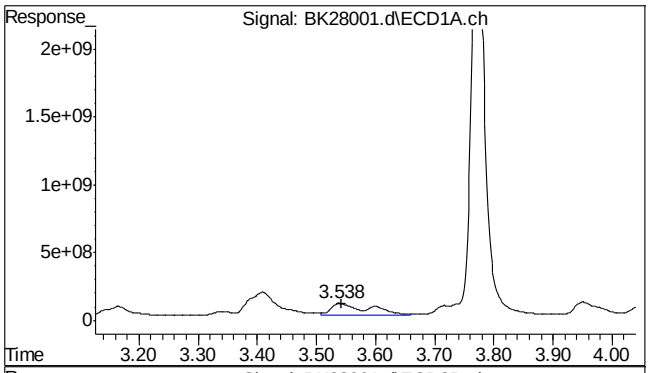
#4 AR1016-C

R.T.: 3.409 min
Delta R.T.: -0.004 min
Response: 6037318943
Conc: 279.89 ppb m



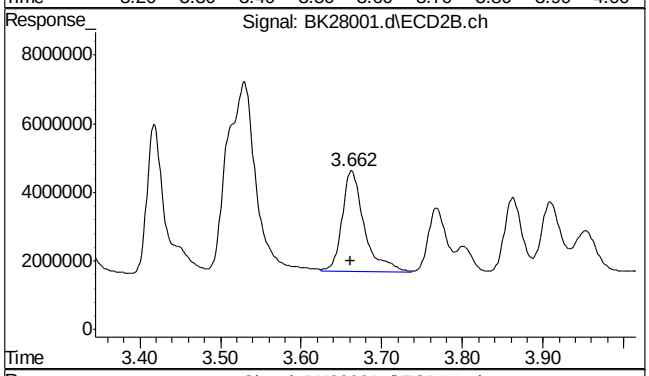
#4 AR1016-C

R.T.: 3.529 min
Delta R.T.: 0.001 min
Response: 137934256
Conc: 265.68 ppb m



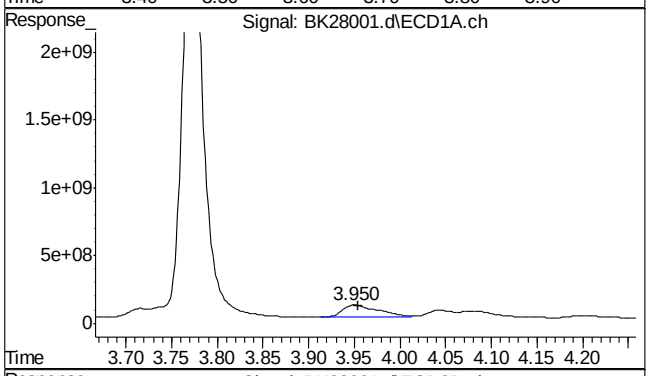
#5 AR1016-D

R.T.: 3.538 min
Delta R.T.: -0.004 min
Response: 3802880822
Conc: 286.62 m



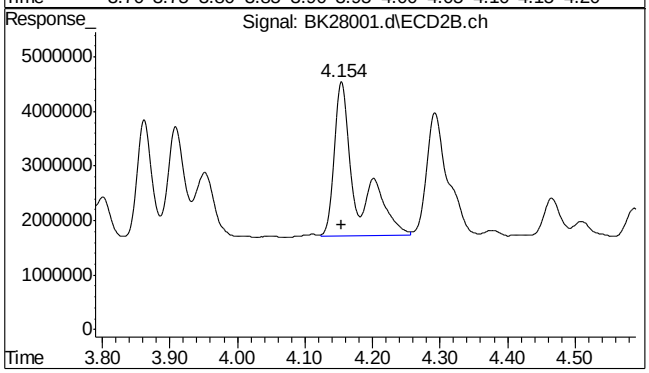
#5 AR1016-D

R.T.: 3.662 min
Delta R.T.: 0.001 min
Response: 56008858
Conc: 269.06 m



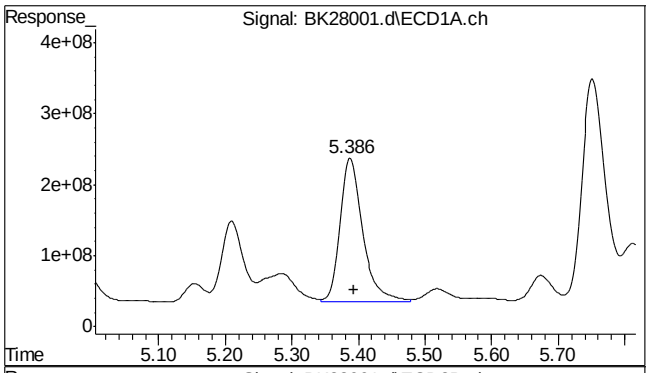
#6 AR1016-E

R.T.: 3.950 min
Delta R.T.: -0.004 min
Response: 2592800562
Conc: 298.21 m



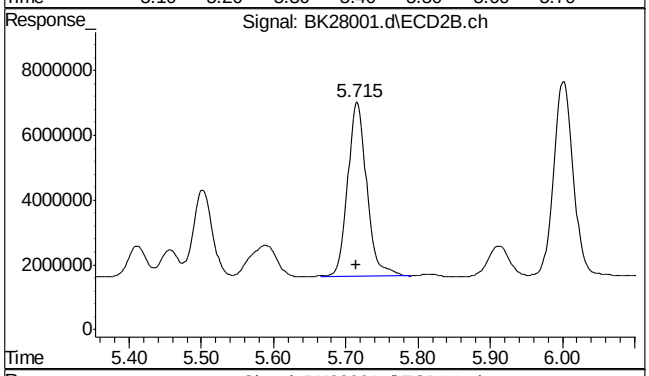
#6 AR1016-E

R.T.: 4.154 min
Delta R.T.: 0.000 min
Response: 65123008
Conc: 260.14 m



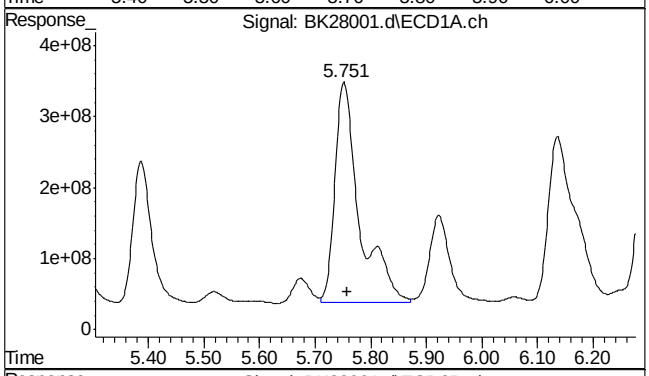
#7 AR1260-A

R.T.: 5.387 min
Delta R.T.: -0.006 min
Response: 4794346077
Conc: 311.61 ppb



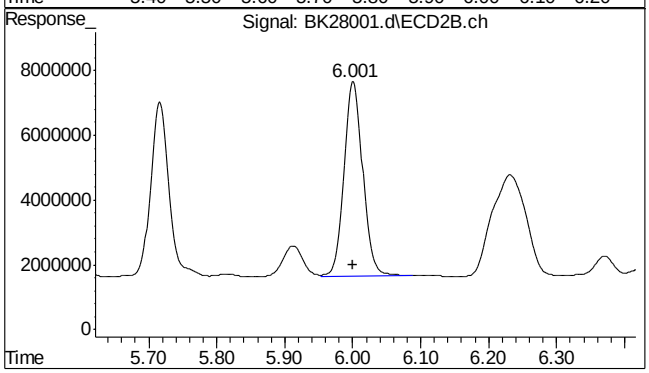
#7 AR1260-A

R.T.: 5.715 min
Delta R.T.: 0.000 min
Response: 98865963
Conc: 273.77 ppb m



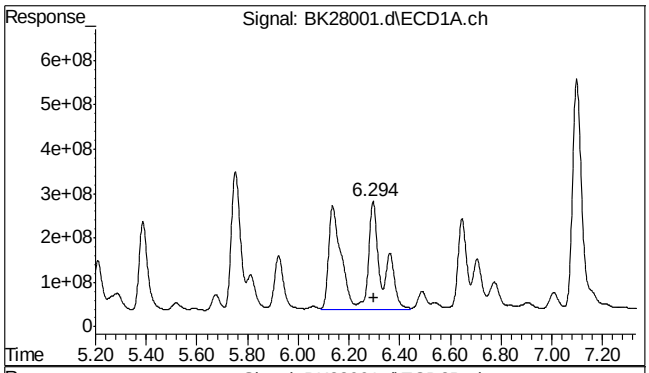
#8 AR1260-B

R.T.: 5.751 min
Delta R.T.: -0.007 min
Response: 9598187566
Conc: 304.20 ppb m



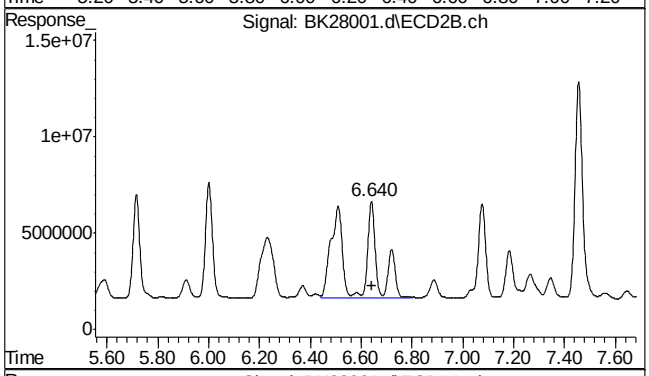
#8 AR1260-B

R.T.: 6.002 min
Delta R.T.: 0.002 min
Response: 112636304
Conc: 261.59 ppb



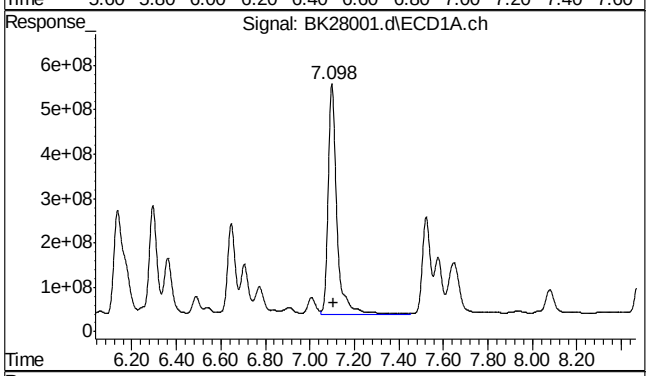
#9 AR1260-C

R.T.: 6.294 min
Delta R.T.: -0.007 min
Response: 17103257629
Conc: 307.05 ppb m



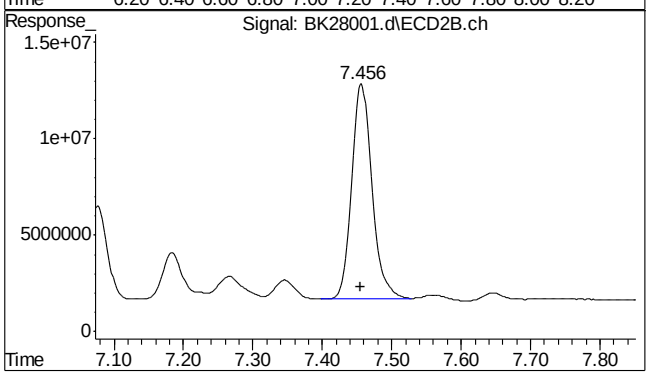
#9 AR1260-C

R.T.: 6.640 min
Delta R.T.: 0.000 min
Response: 298877470
Conc: 274.63 ppb m



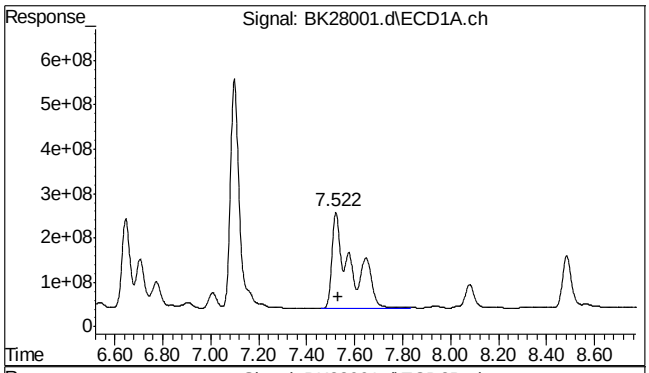
#10 AR1260-D

R.T.: 7.099 min
Delta R.T.: -0.007 min
Response: 14149858136
Conc: 324.91 ppb



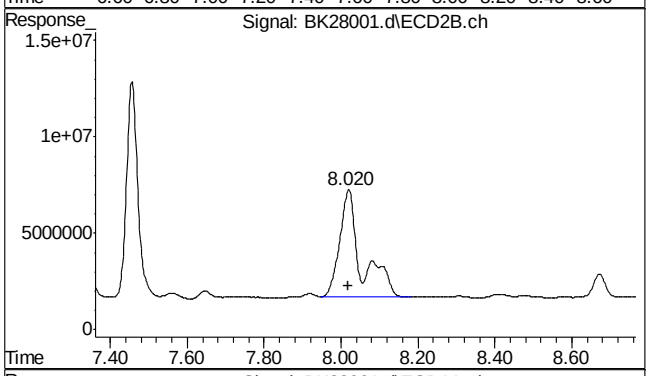
#10 AR1260-D

R.T.: 7.457 min
Delta R.T.: 0.000 min
Response: 223485440
Conc: 269.26 ppb



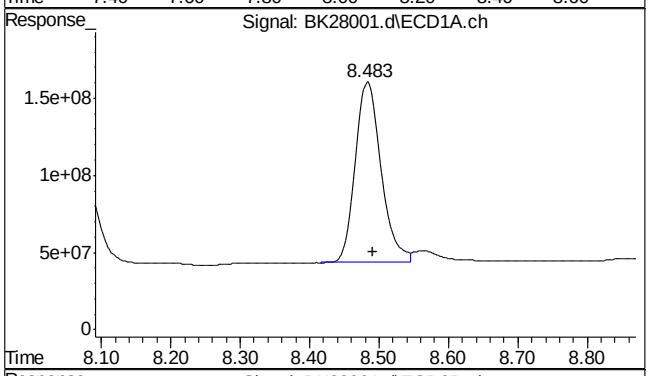
#11 AR1260-E

R.T.: 7.522 min
Delta R.T.: -0.008 min
Response: 12215461739
Conc: 310.24 ppb m



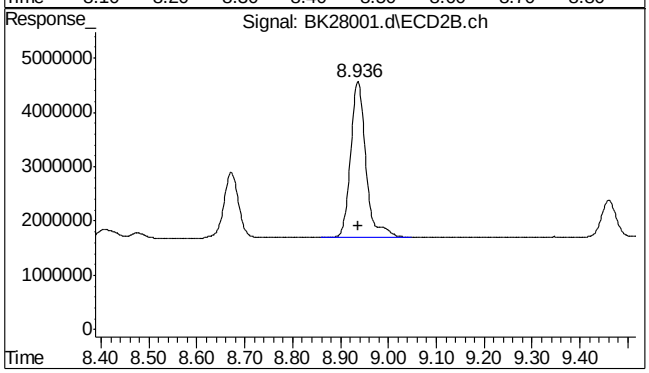
#11 AR1260-E

R.T.: 8.020 min
Delta R.T.: 0.000 min
Response: 218137124
Conc: 270.58 ppb m



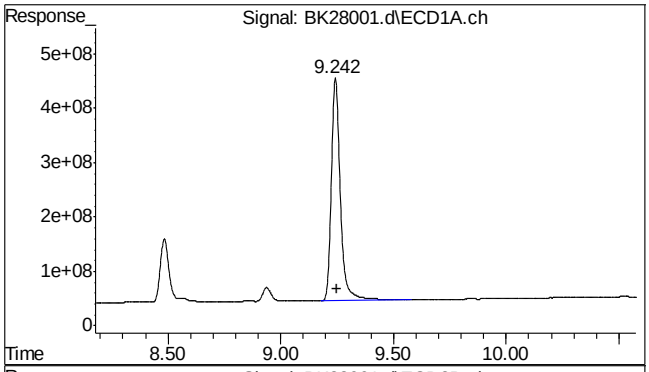
#12 AR1260-F

R.T.: 8.483 min
Delta R.T.: -0.008 min
Response: 3017650378
Conc: 313.54 m



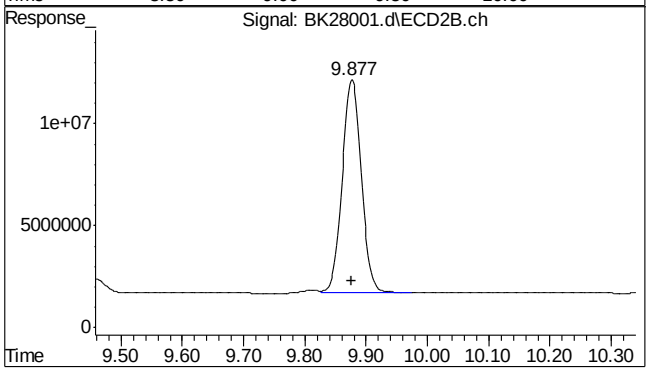
#12 AR1260-F

R.T.: 8.937 min
Delta R.T.: 0.000 min
Response: 62959418
Conc: 273.77



#13 DCB

R.T.: 9.242 min
Delta R.T.: -0.008 min
Response: 11398433743
Conc: 33.67 ppb m



#13 DCB

R.T.: 9.877 min
Delta R.T.: 0.000 min
Response: 225942542
Conc: 27.40 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37409.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 13:48:07
Operator : andrip
Sample : ddt
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 90 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 14:26:08 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 14:16:35 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
	Target Compounds						
14)	4,4'-DDE	7.483	7.724	1224015	1163491	0.211m	0.346m#
16)	Endrin	8.201	8.336	342.8E6	188.4E6	60.054m	62.912m
17)	4,4'-DDD	8.306	8.514	5269705	4952737	1.079m	1.877m#
19)	4,4'-DDT	8.679	8.927	626.3E6	320.8E6	122.364m	113.389m
20)	Endrin Al...	9.085	9.090	2803570	1211531	0.617m	0.494m
23)	Endrin Ke...	10.043	10.172	8891050	6330897	1.451m	1.864m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

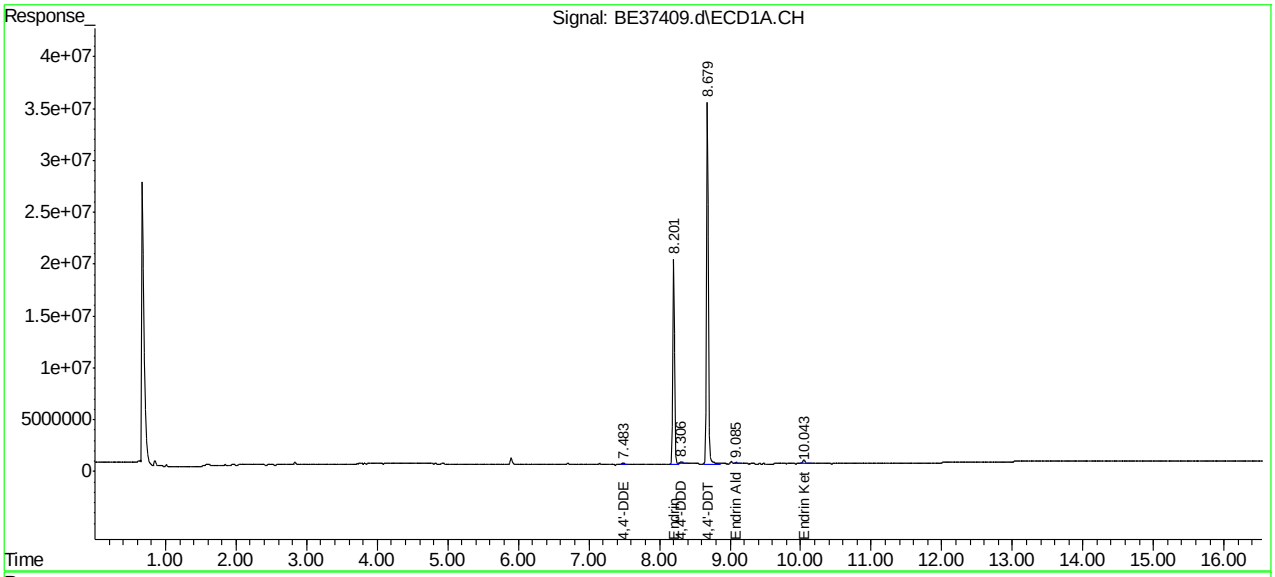
11.5.1
11

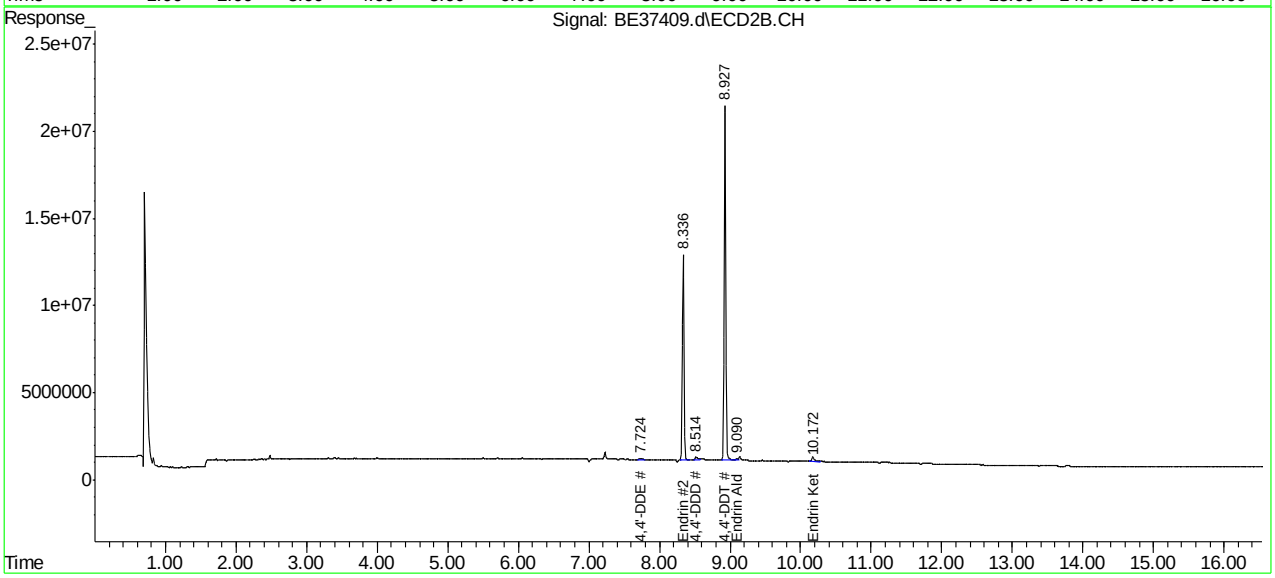
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37409.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 13:48:07
Operator : andrip
Sample : ddt
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 90 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

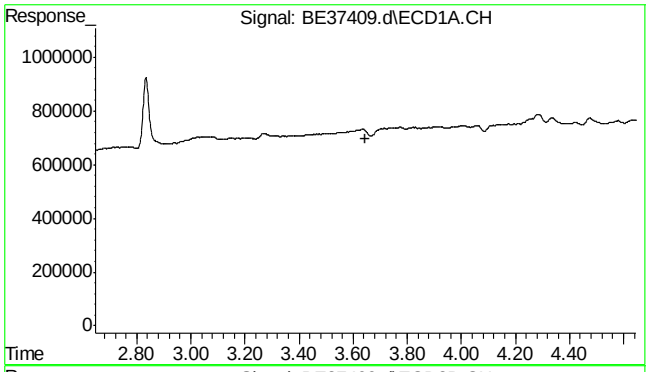
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 14:26:08 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 14:16:35 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



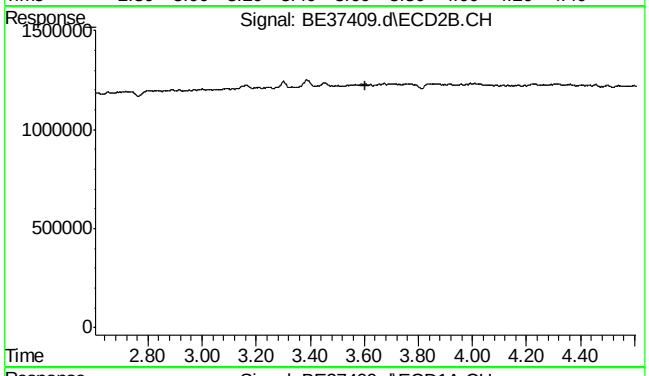


PT130708A.M Tue Jul 09 09:29:41 2013 ED Page: 2



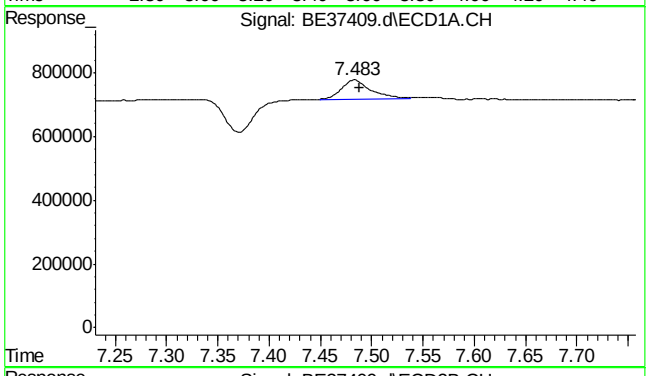
#1 TCMX

R.T.: 0.000 min
Exp R.T. : 3.646 min
Response: 0
Conc: N.D.



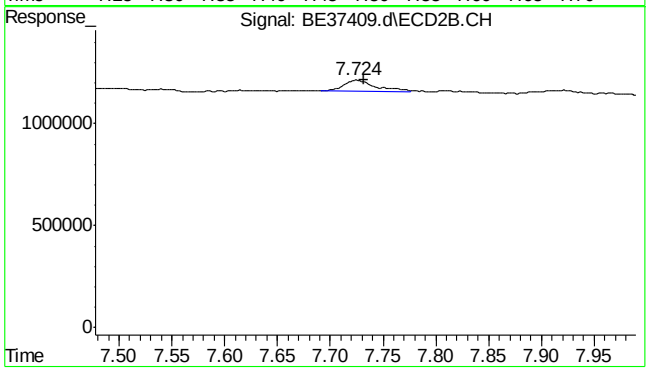
#1 TCMX

R.T.: 0.000 min
Exp R.T. : 3.605 min
Response: 0
Conc: N.D.



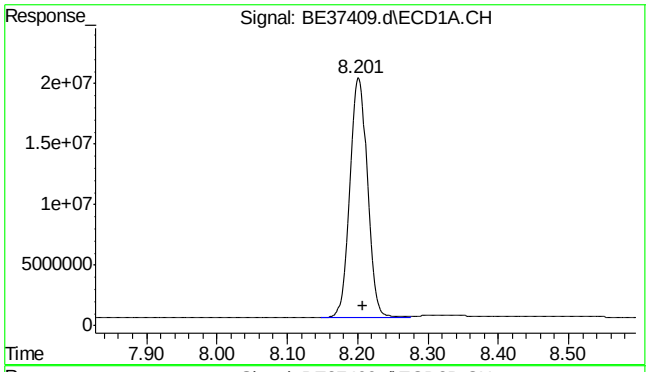
#14 4,4'-DDE

R.T.: 7.483 min
Delta R.T.: -0.005 min
Response: 1224015
Conc: 0.21 ppb m



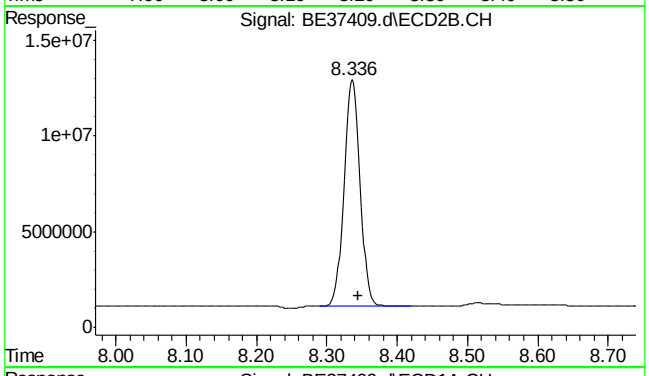
#14 4,4'-DDE

R.T.: 7.724 min
Delta R.T.: -0.008 min
Response: 1163491
Conc: 0.35 ppb m



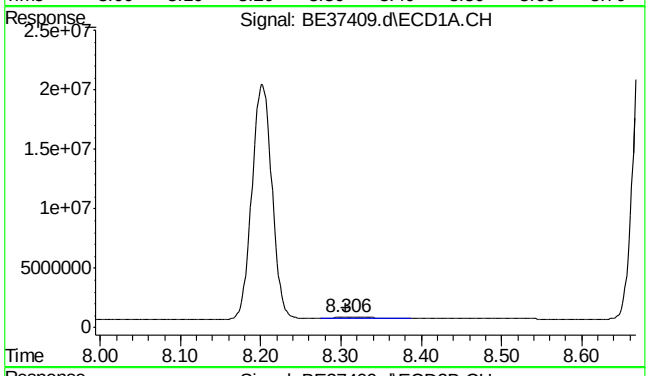
#16 Endrin

R.T.: 8.201 min
Delta R.T.: -0.007 min
Response: 342822641
Conc: 60.05 ppb m



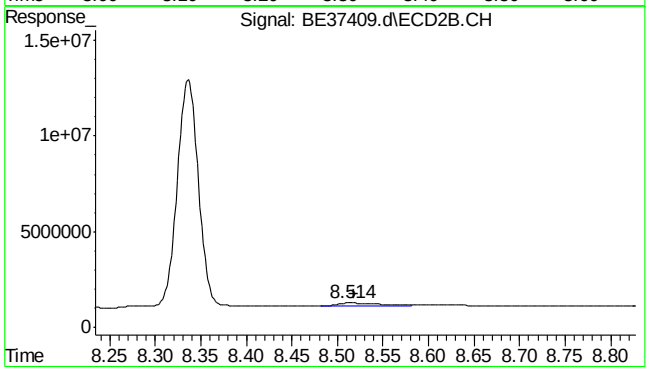
#16 Endrin

R.T.: 8.336 min
Delta R.T.: -0.010 min
Response: 188437186
Conc: 62.91 ppb m



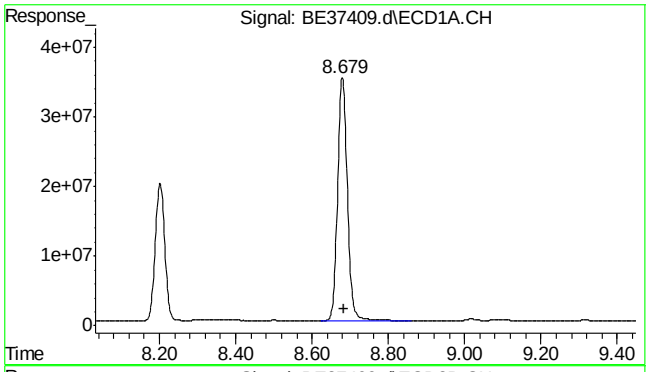
#17 4,4'-DDD

R.T.: 8.306 min
Delta R.T.: 0.000 min
Response: 5269705
Conc: 1.08 ppb m



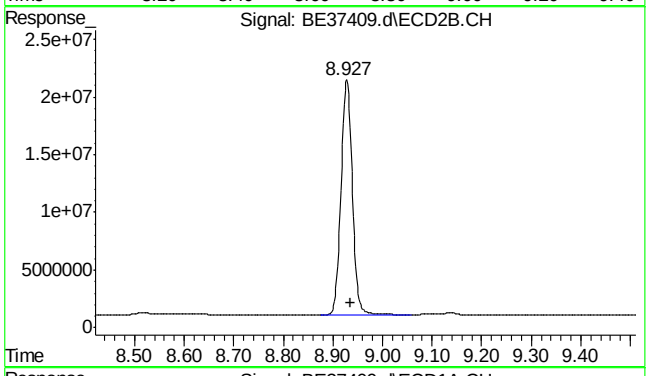
#17 4,4'-DDD

R.T.: 8.514 min
Delta R.T.: -0.004 min
Response: 4952737
Conc: 1.88 ppb m



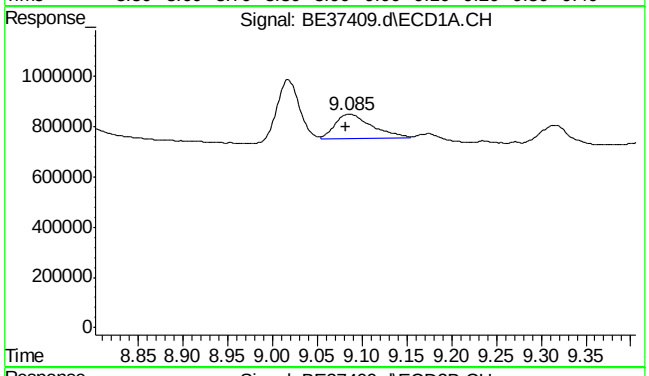
#19 4,4'-DDT

R.T.: 8.679 min
Delta R.T.: -0.005 min
Response: 626343888
Conc: 122.36 ppb m



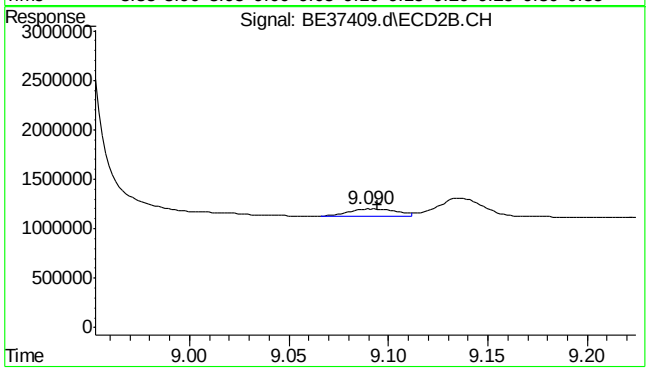
#19 4,4'-DDT

R.T.: 8.927 min
Delta R.T.: -0.008 min
Response: 320785725
Conc: 113.39 ppb m



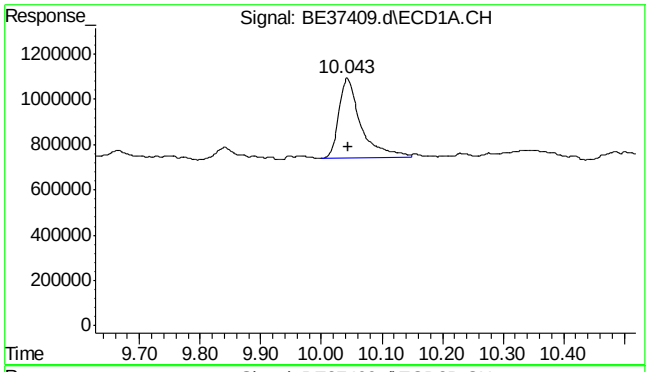
#20 Endrin Aldehyde

R.T.: 9.085 min
Delta R.T.: 0.004 min
Response: 2803570
Conc: 0.62 ppb m



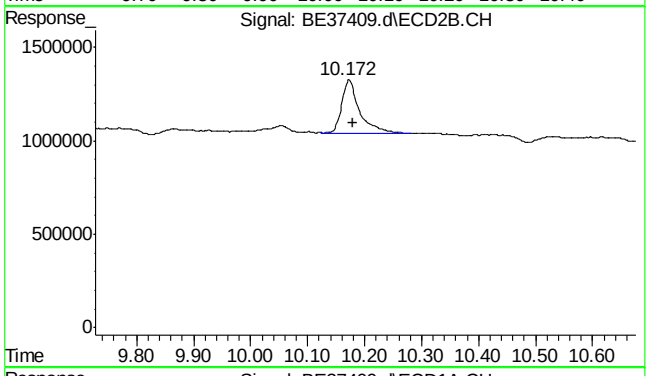
#20 Endrin Aldehyde

R.T.: 9.090 min
Delta R.T.: -0.004 min
Response: 1211531
Conc: 0.49 ppb m



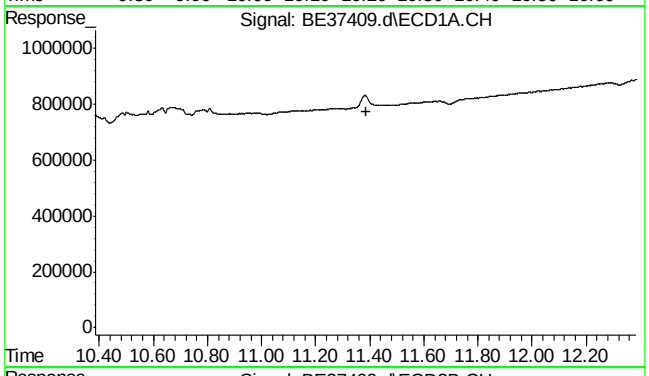
#23 Endrin Ketone

R.T.: 10.043 min
Delta R.T.: -0.001 min
Response: 8891050
Conc: 1.45 ppb m



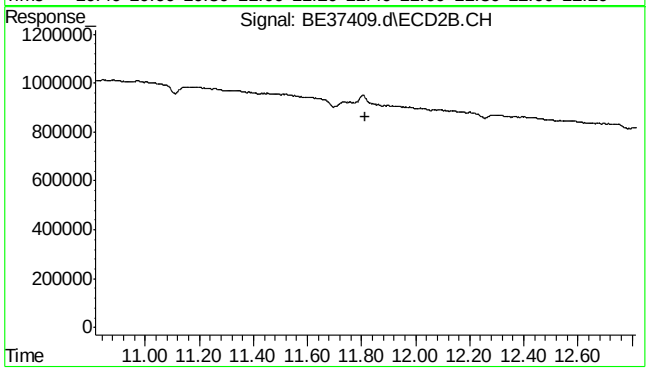
#23 Endrin Ketone

R.T.: 10.172 min
Delta R.T.: -0.007 min
Response: 6330897
Conc: 1.86 ppb m



#38 DCB

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.



#38 DCB

R.T.: 0.000 min
Exp R.T. : 11.815 min
Response: 0
Conc: N.D.

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/16/13 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130815\
Data File : be37667.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 12:43:27
Operator : nickk
Sample : ddt
Misc : op34308,gbe1960,15,,,10,,s
ALS Vial : 100 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 15 13:12:53 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:53:14 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
	Target Compounds						
14)	4,4'-DDE	7.478	7.719	2154319	1821341	0.749m	3120.910m#
16)	Endrin	8.198	8.331	353.6E6	214.0E6	129.874	137.236m
17)	4,4'-DDD	8.300	8.506	7093424	7334923	3.174m	3.936m
19)	4,4'-DDT	8.676	8.923	627.3E6	366.1E6	252.091m	274.563m
20)	Endrin Al...	9.075	9.081	2471161	2036655	0.683m	1823.660m#
23)	Endrin Ke...	10.037	10.165	10478277	8731578	3.872m	4.070m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

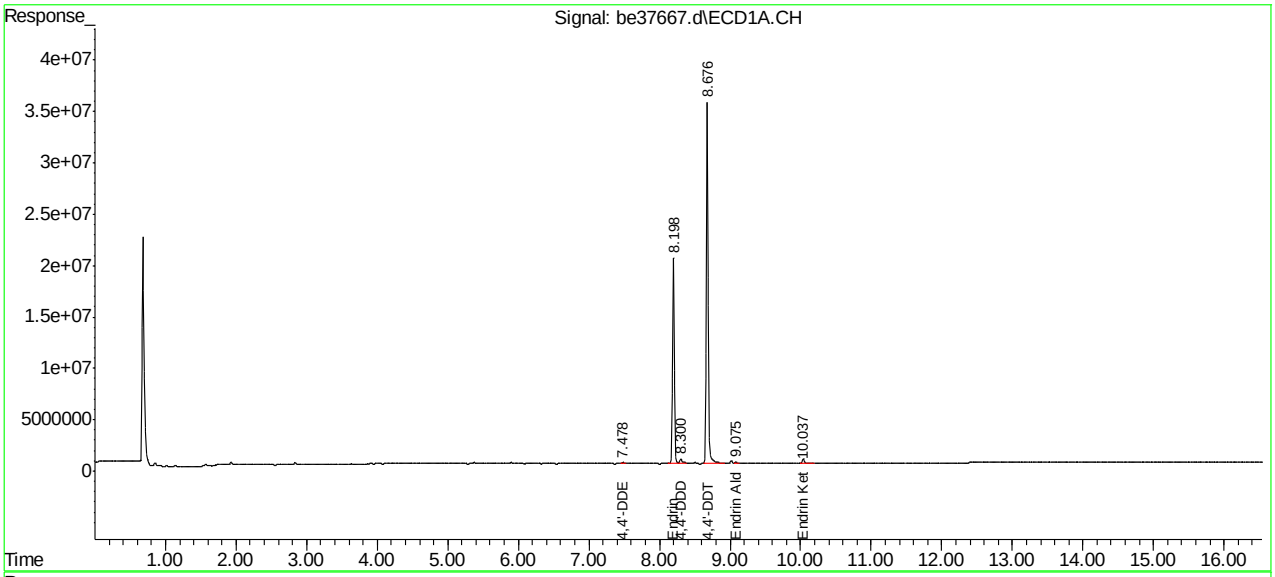
11.5.2 11

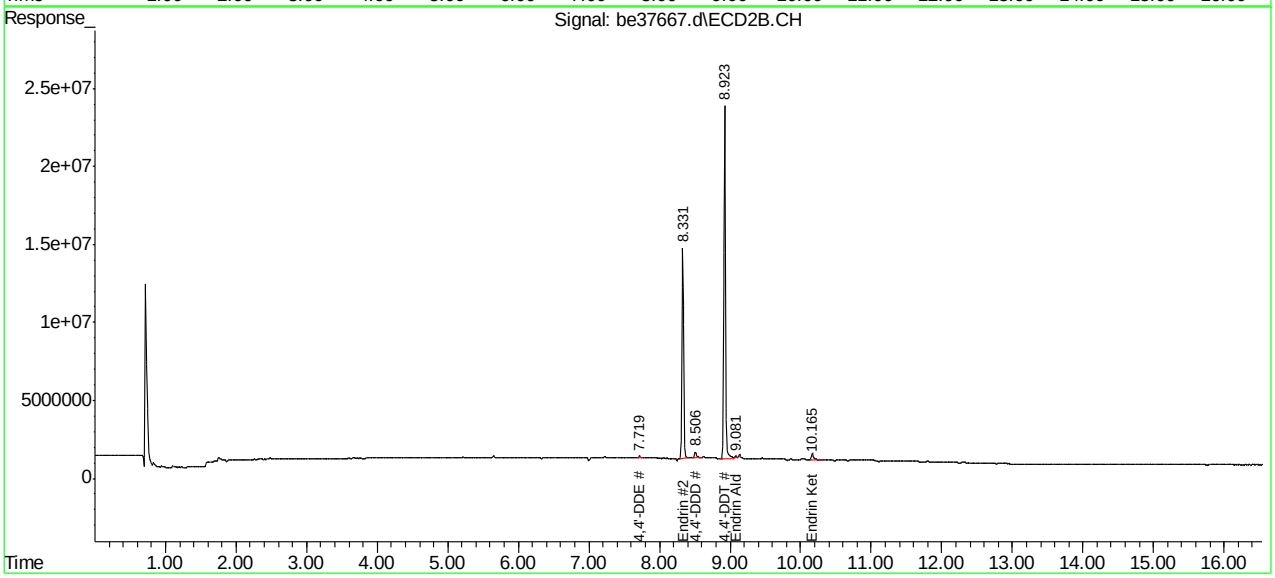
Quantitation Report (QT Reviewed)

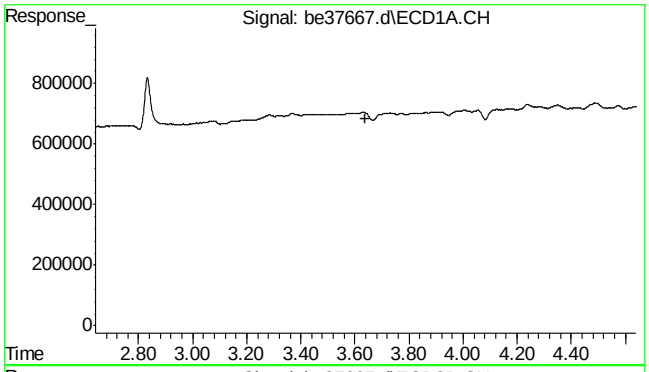
Data Path : C:\msdchem\1\data\BE130815\
Data File : be37667.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 12:43:27
Operator : nickk
Sample : ddt
Misc : op34308,gbe1960,15,,,10,,s
ALS Vial : 100 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 15 13:12:53 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:53:14 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

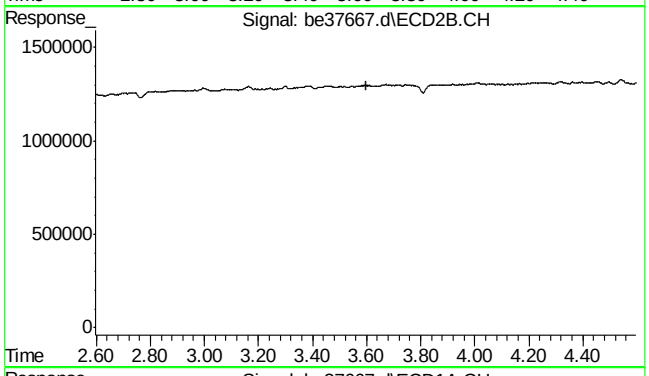






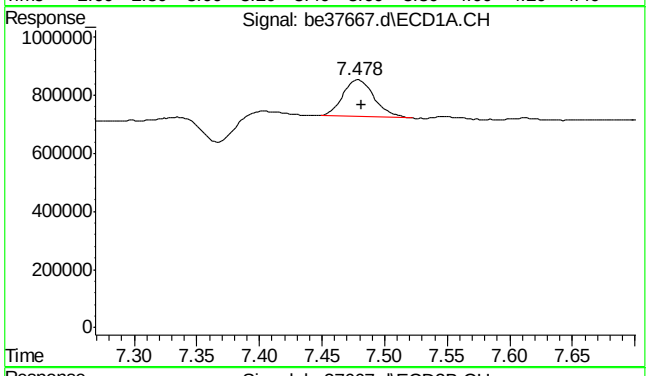
#1 TCMX

R.T.: 0.000 min
Exp R.T. : 3.639 min
Response: 0
Conc: N.D.



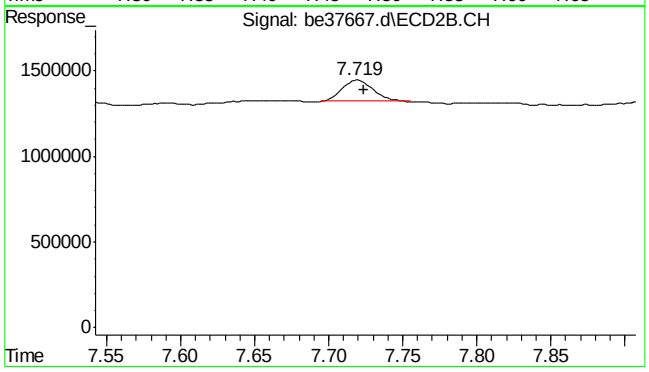
#1 TCMX

R.T.: 0.000 min
Exp R.T. : 3.597 min
Response: 0
Conc: N.D.



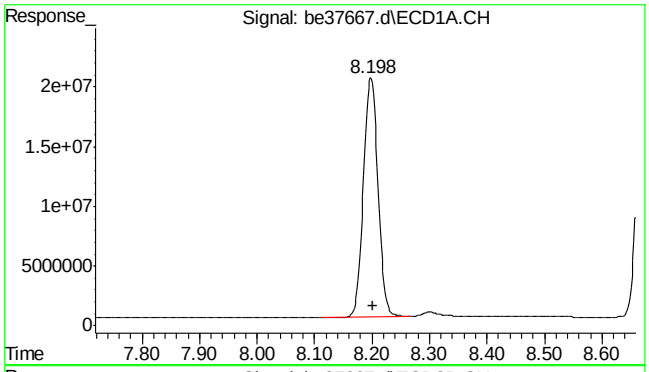
#14 4,4'-DDE

R.T.: 7.478 min
Delta R.T.: -0.004 min
Response: 2154319
Conc: 0.75 ppb m



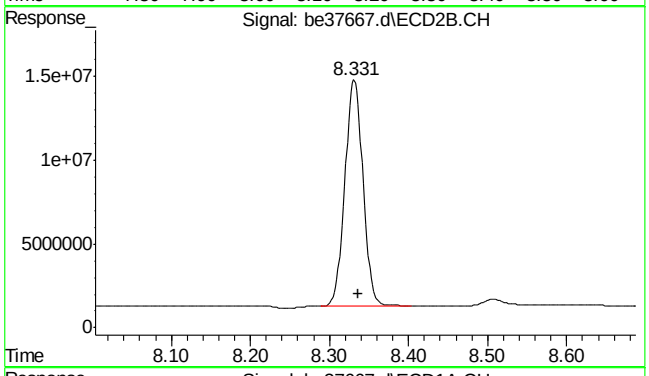
#14 4,4'-DDE

R.T.: 7.719 min
Delta R.T.: -0.004 min
Response: 1821341
Conc: 3120.91 ppb m



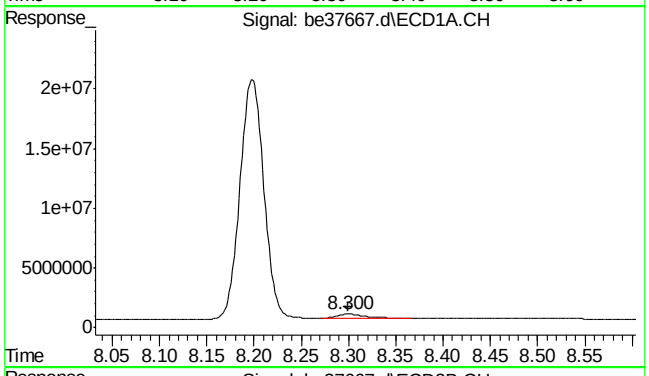
#16 Endrin

R.T.: 8.198 min
Delta R.T.: -0.003 min
Response: 353585274
Conc: 129.87 ppb



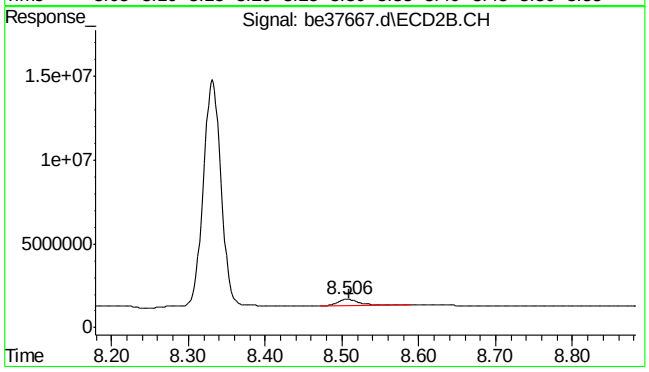
#16 Endrin

R.T.: 8.331 min
Delta R.T.: -0.005 min
Response: 213981009
Conc: 137.24 ppb m



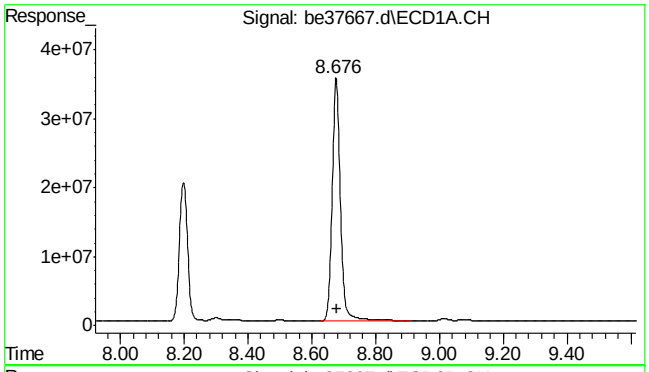
#17 4,4'-DDD

R.T.: 8.300 min
Delta R.T.: 0.000 min
Response: 7093424
Conc: 3.17 ppb m



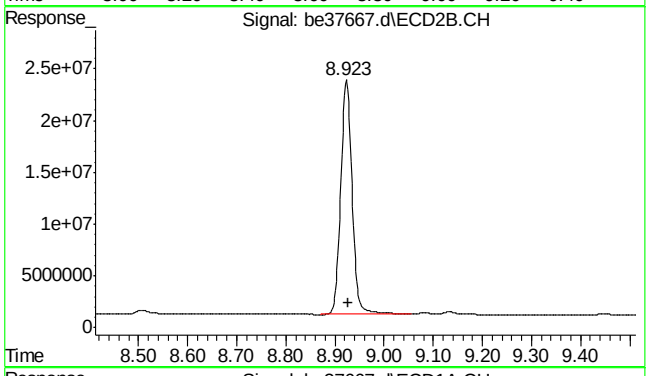
#17 4,4'-DDD

R.T.: 8.506 min
Delta R.T.: -0.003 min
Response: 7334923
Conc: 3.94 ppb m



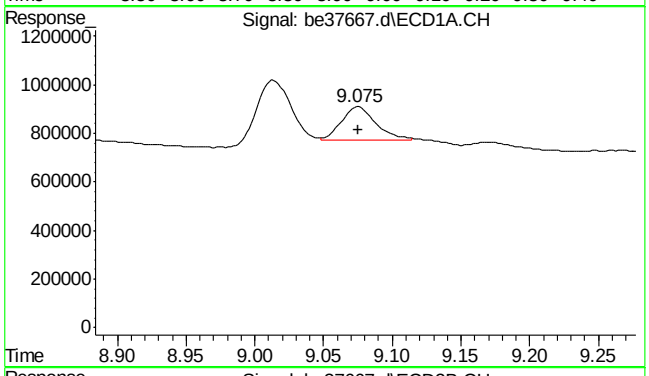
#19 4,4'-DDT

R.T.: 8.676 min
Delta R.T.: -0.002 min
Response: 627302049
Conc: 252.09 ppb m



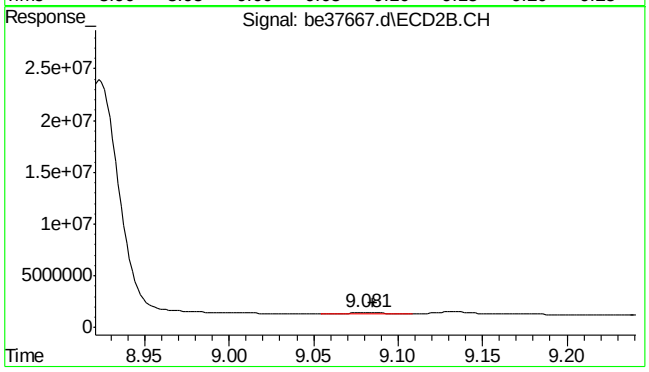
#19 4,4'-DDT

R.T.: 8.923 min
Delta R.T.: -0.005 min
Response: 366126608
Conc: 274.56 ppb m



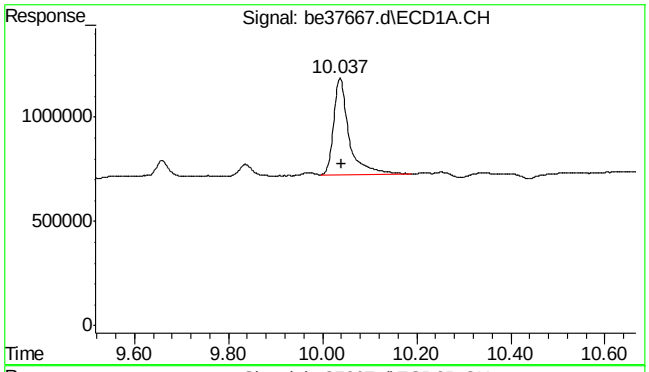
#20 Endrin Aldehyde

R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 2471161
Conc: 0.68 ppb m



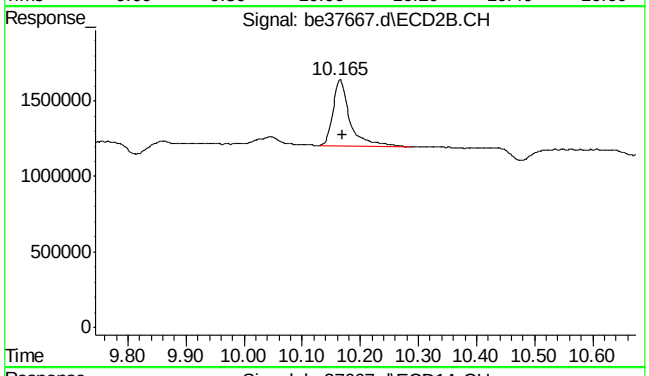
#20 Endrin Aldehyde

R.T.: 9.081 min
Delta R.T.: -0.004 min
Response: 2036655
Conc: 1823.66 ppb m



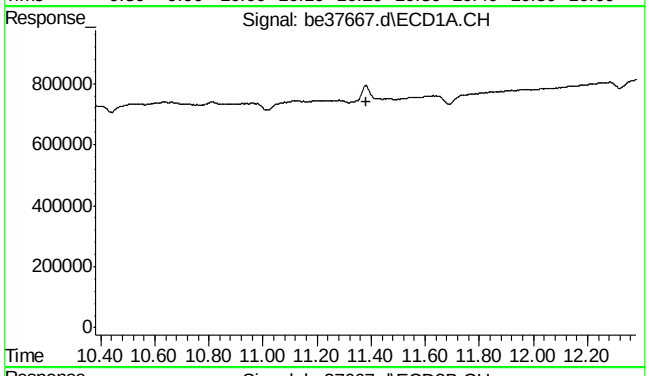
#23 Endrin Ketone

R.T.: 10.037 min
Delta R.T.: -0.003 min
Response: 10478277
Conc: 3.87 ppb m



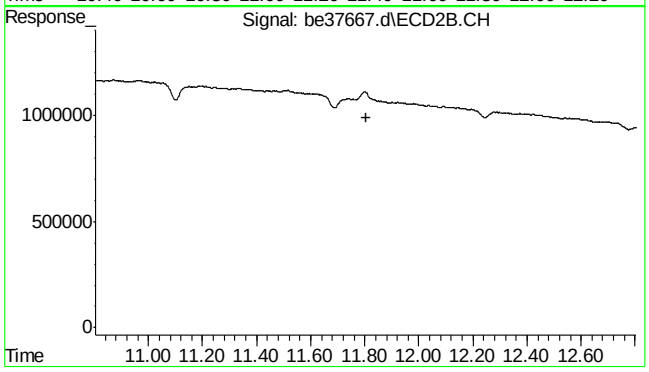
#23 Endrin Ketone

R.T.: 10.165 min
Delta R.T.: -0.004 min
Response: 8731578
Conc: 4.07 ppb m



#38 DCB

R.T.: 0.000 min
Exp R.T. : 11.380 min
Response: 0
Conc: N.D.



#38 DCB

R.T.: 0.000 min
Exp R.T. : 11.804 min
Response: 0
Conc: N.D.

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/16/13 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130815\
Data File : be37679.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 17:24:54
Operator : nickk
Sample : ddt
Misc : op34308,gbe1960,15,,,10,,s
ALS Vial : 100 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 09:31:44 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
	Target Compounds						
14)	4,4'-DDE	7.479	7.721	865362	881464	0.301m	3121.435m#
16)	Endrin	8.199	8.333	392.8E6	239.8E6	144.266m	155.595m
17)	4,4'-DDD	8.301	8.508	7763798	6808694	3.474m	3.562m
19)	4,4'-DDT	8.677	8.924	716.9E6	420.3E6	289.936m	320.017m
20)	Endrin Al...	9.073	9.082	3170090	2948231	1.033m	0.590m#
23)	Endrin Ke...	10.036	10.165	11021408	7978126	4.092m	3.551m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

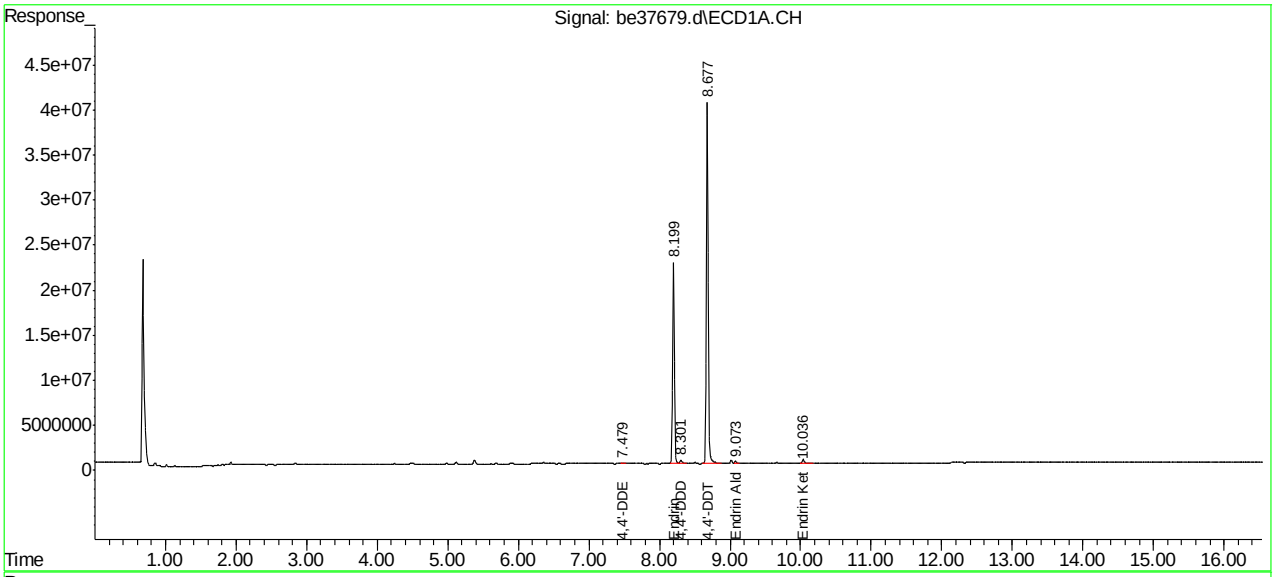
11.5.3 11

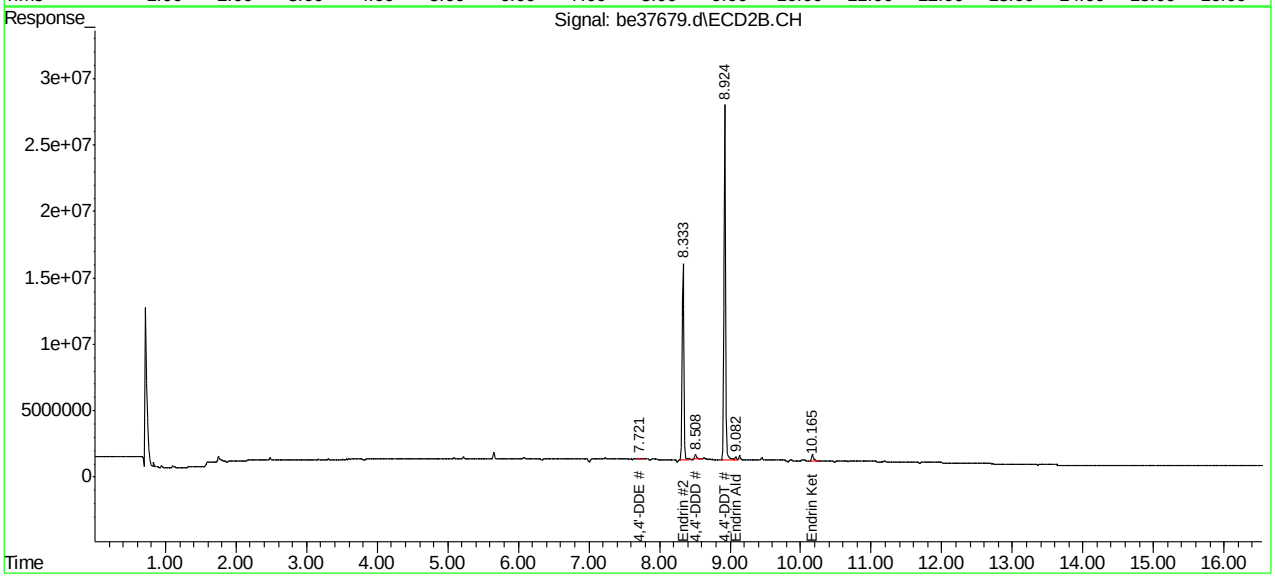
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130815\
Data File : be37679.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 17:24:54
Operator : nickk
Sample : ddt
Misc : op34308,gbe1960,15,,,10,,s
ALS Vial : 100 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 09:31:44 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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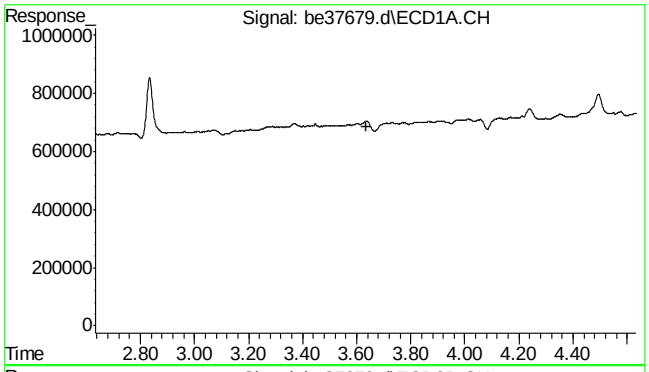
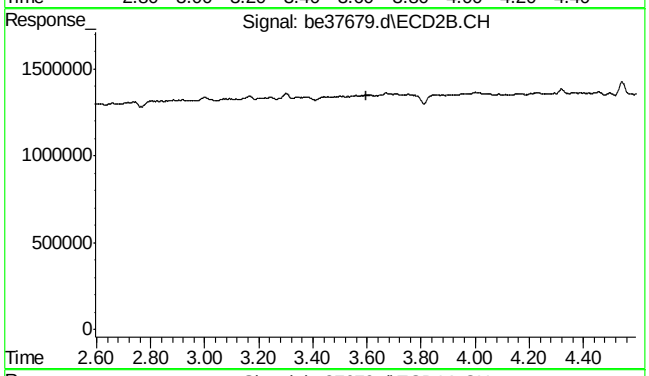


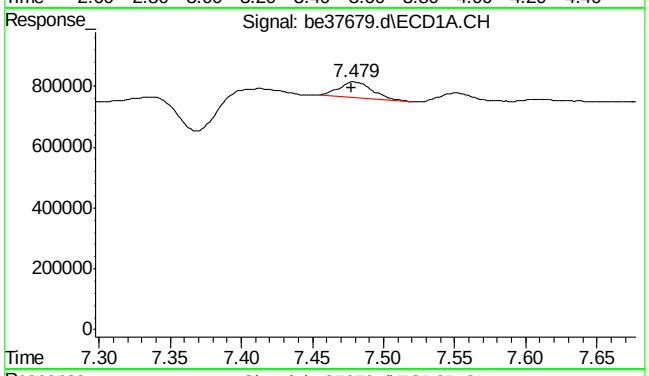
#1 TCMX

R.T.: 0.000 min
Exp R.T. : 3.634 min
Response: 0
Conc: N.D.



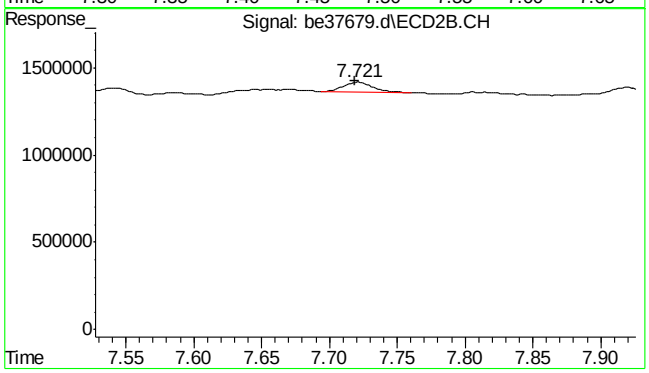
#1 TCMX

R.T.: 0.000 min
Exp R.T. : 3.596 min
Response: 0
Conc: N.D.



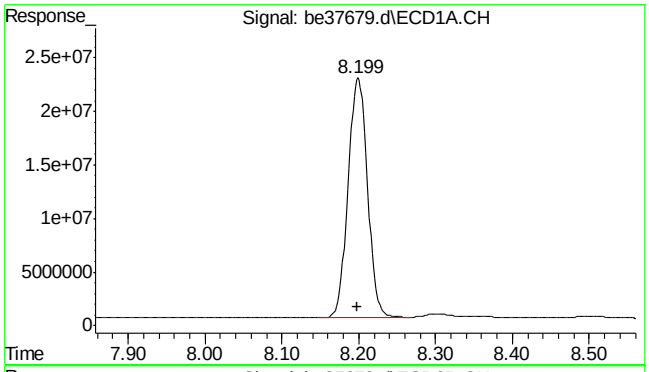
#14 4,4'-DDE

R.T.: 7.479 min
Delta R.T.: 0.001 min
Response: 865362
Conc: 0.30 ppb m



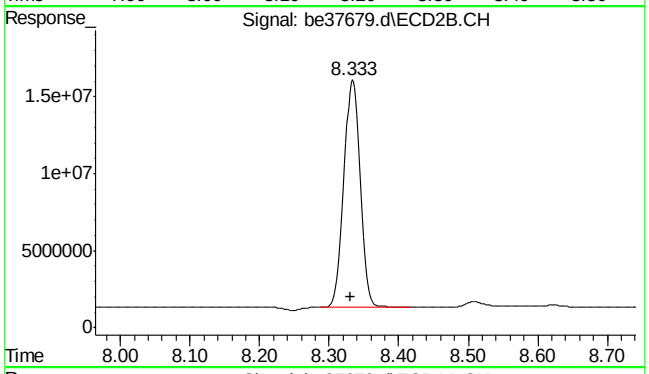
#14 4,4'-DDE

R.T.: 7.721 min
Delta R.T.: 0.002 min
Response: 881464
Conc: 3121.44 ppb m



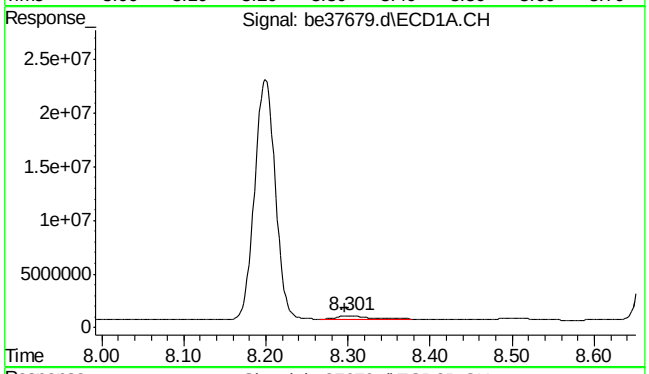
#16 Endrin

R.T.: 8.199 min
Delta R.T.: 0.001 min
Response: 392767944
Conc: 144.27 ppb m



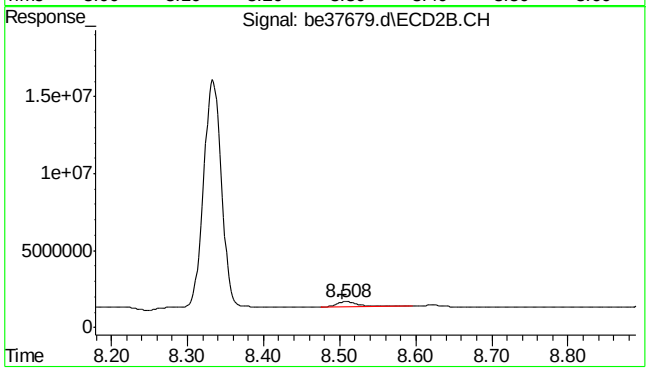
#16 Endrin

R.T.: 8.333 min
Delta R.T.: 0.002 min
Response: 239791438
Conc: 155.60 ppb m



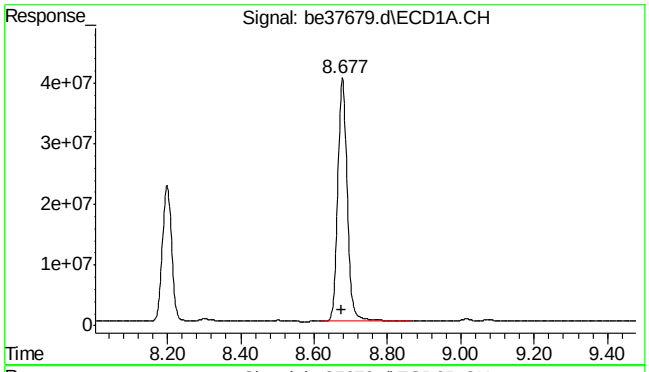
#17 4,4'-DDD

R.T.: 8.301 min
Delta R.T.: 0.005 min
Response: 7763798
Conc: 3.47 ppb m



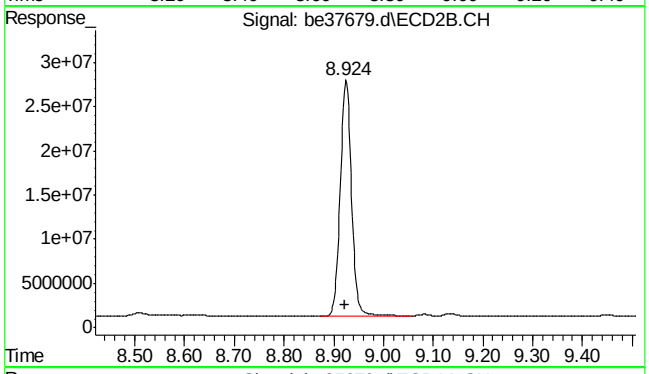
#17 4,4'-DDD

R.T.: 8.508 min
Delta R.T.: 0.004 min
Response: 6808694
Conc: 3.56 ppb m



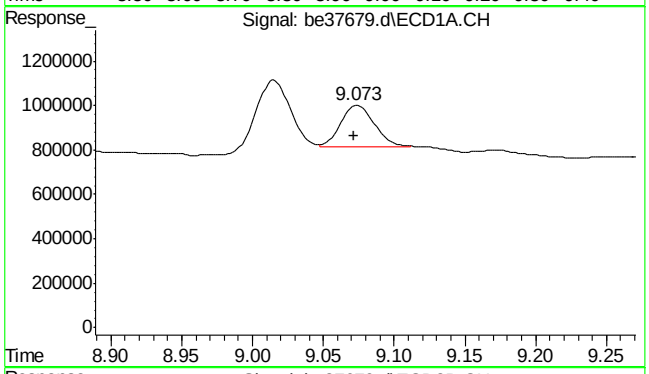
#19 4,4'-DDT

R.T.: 8.677 min
Delta R.T.: 0.002 min
Response: 716898608
Conc: 289.94 ppb m



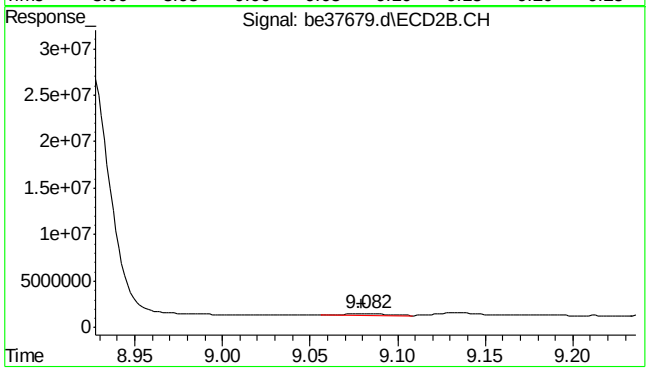
#19 4,4'-DDT

R.T.: 8.924 min
Delta R.T.: 0.002 min
Response: 420253852
Conc: 320.02 ppb m



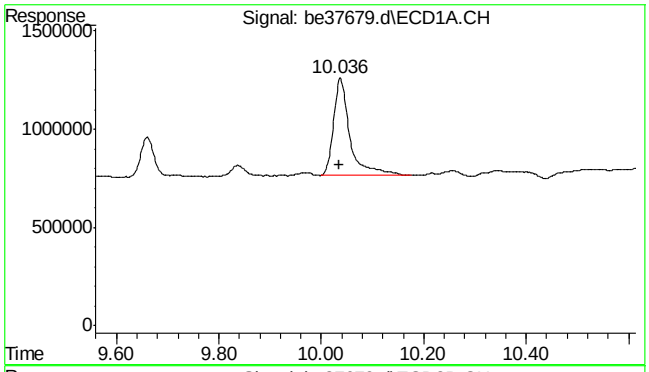
#20 Endrin Aldehyde

R.T.: 9.073 min
Delta R.T.: 0.002 min
Response: 3170090
Conc: 1.03 ppb m



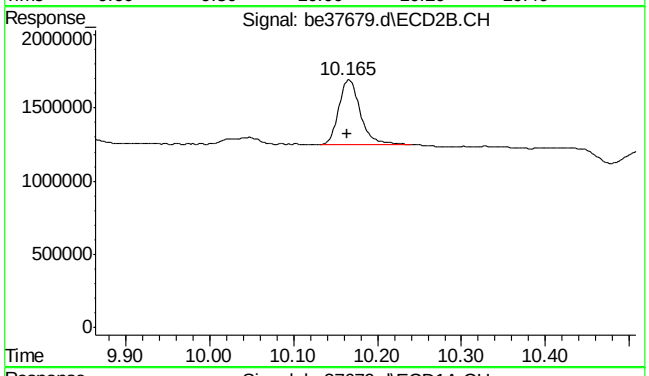
#20 Endrin Aldehyde

R.T.: 9.082 min
Delta R.T.: 0.002 min
Response: 2948231
Conc: 0.59 ppb m



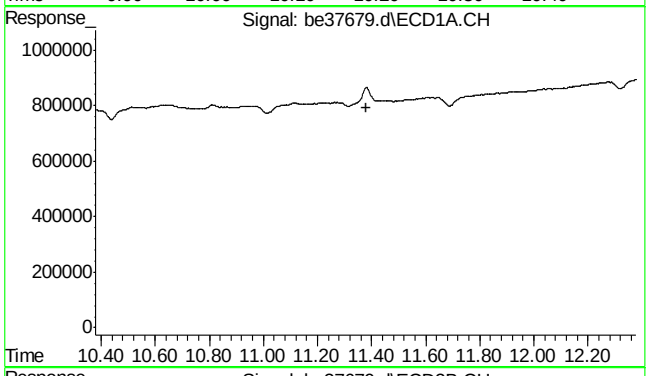
#23 Endrin Ketone

R.T.: 10.036 min
Delta R.T.: 0.000 min
Response: 11021408
Conc: 4.09 ppb m



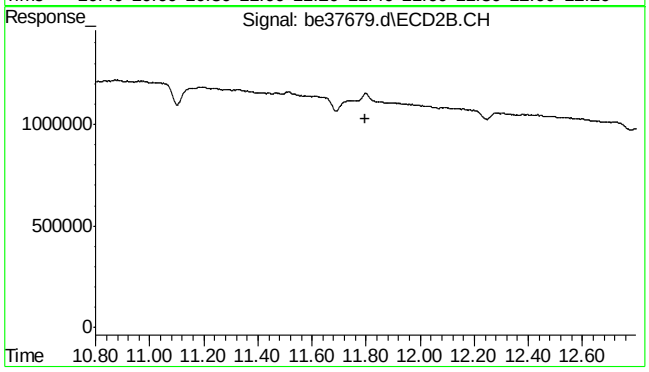
#23 Endrin Ketone

R.T.: 10.165 min
Delta R.T.: 0.000 min
Response: 7978126
Conc: 3.55 ppb m



#38 DCB

R.T.: 0.000 min
Exp R.T. : 11.379 min
Response: 0
Conc: N.D.



#38 DCB

R.T.: 0.000 min
Exp R.T. : 11.798 min
Response: 0
Conc: N.D.

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37410.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 14:09:34
Operator : andrip
Sample : ic1943-1000,ct
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 76 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:53:08 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 14:16:35 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1)	s TCMX	3.639	3.597	235.2E6	146.5E6	37.634	43.087
	Spiked Amount 40.000			Recovery	=	94.08%	107.72%
38)	s DCB	11.380	11.804	175.8E6	79451869	37.998m	33.363m
	Spiked Amount 40.000			Recovery	=	94.99%	83.41%
	Target Compounds						
24)	Chlordane-A	5.576f	5.511	121.7E6	70447567	462.852m	572.871m
25)	Chlordane-B	5.694f	5.724	202.6E6	120.7E6	457.398m	600.302 #
26)	Chlordane-C	7.359f	7.267	1160.2E6	627.8E6	466.070m	539.963m
27)	Toxaphene-A	8.663f	8.739f	2021.0E6	1138.0E6	4689.211m	5227.010m
28)	Toxaphene-B	9.050f	9.093f	2087.3E6	1087.3E6	4561.523m	4959.597m
29)	Toxaphene-C	9.528f	9.773f	2274.0E6	1353.8E6	4447.415m	4940.250m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

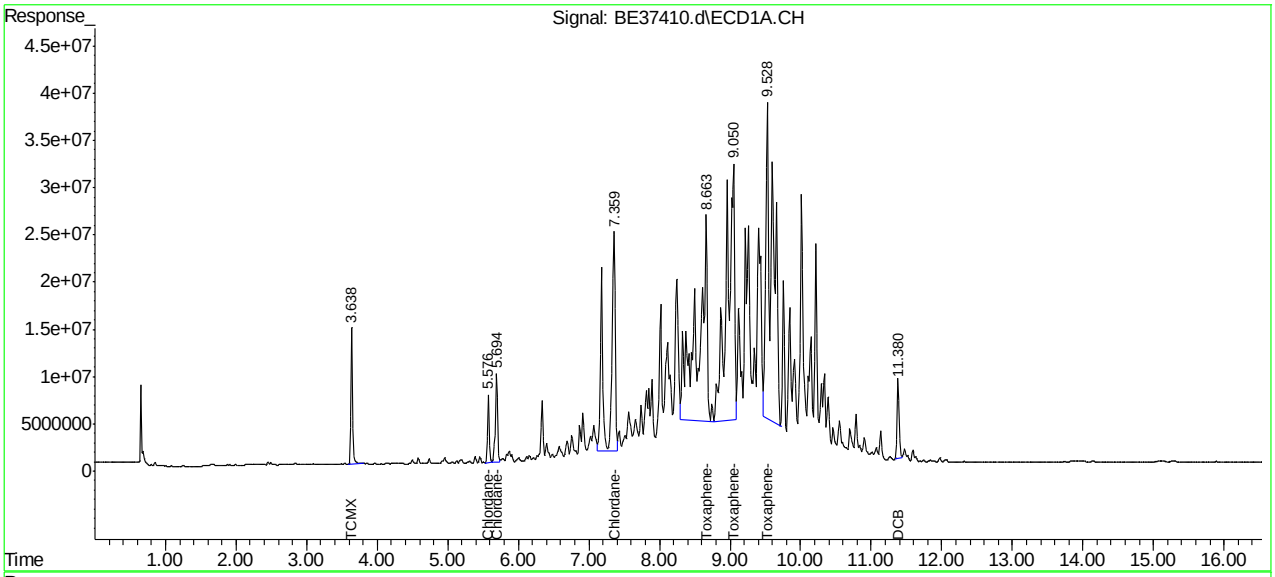
11.6.1
11

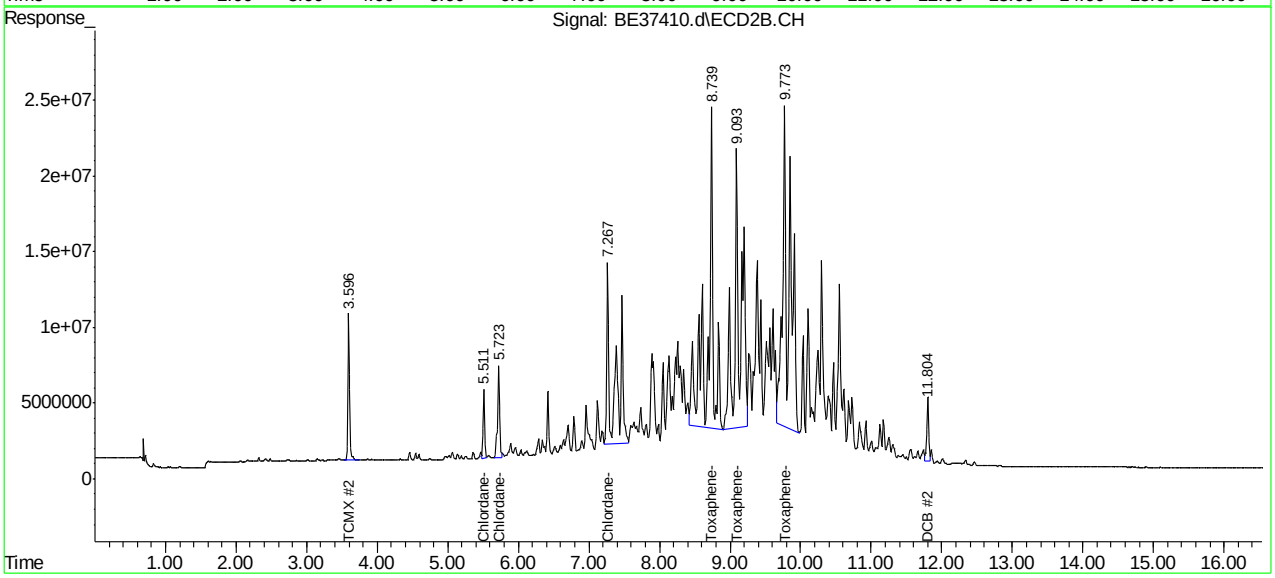
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37410.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 14:09:34
Operator : andrip
Sample : ic1943-1000,ct
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 76 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

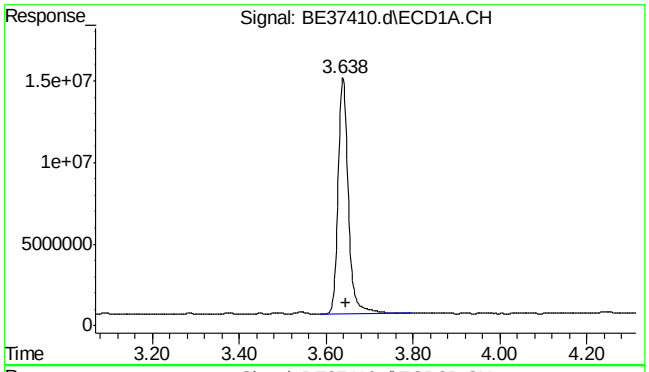
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:53:08 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 14:16:35 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



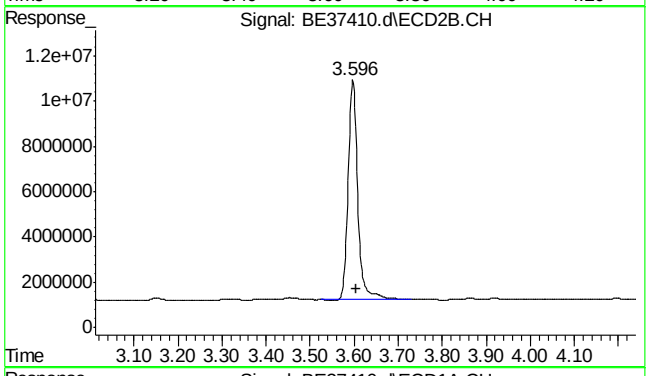


ACCUTEST LABORATORIES MC23272



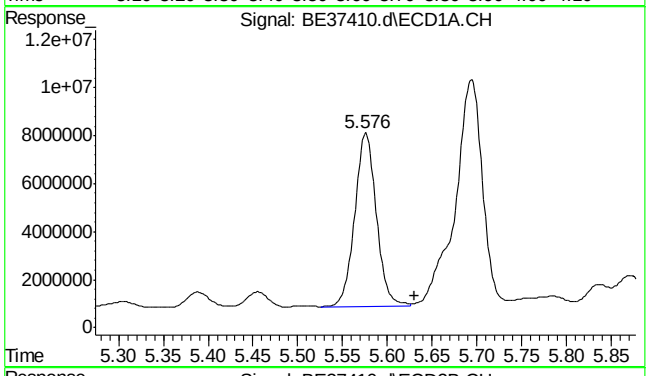
#1 TCMX

R.T.: 3.639 min
Delta R.T.: -0.007 min
Response: 235160044
Conc: 37.63 ppb



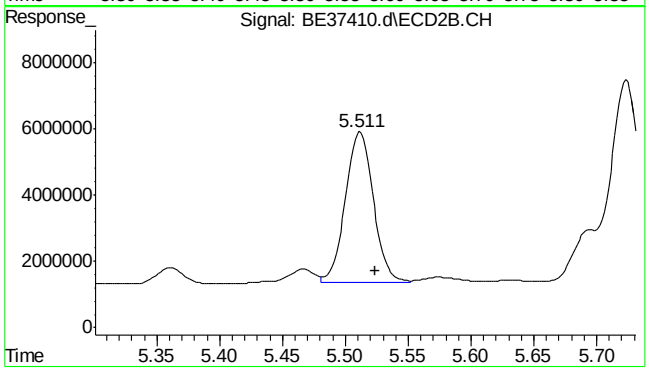
#1 TCMX

R.T.: 3.597 min
Delta R.T.: -0.008 min
Response: 146529701
Conc: 43.09 ppb



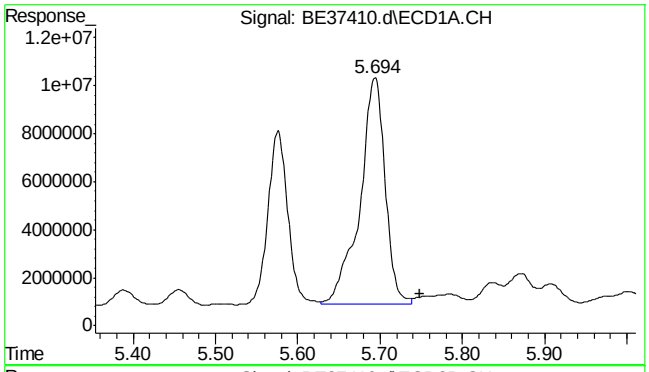
#24 Chlordane-A

R.T.: 5.576 min
Delta R.T.: -0.054 min
Response: 121653867
Conc: 462.85 m



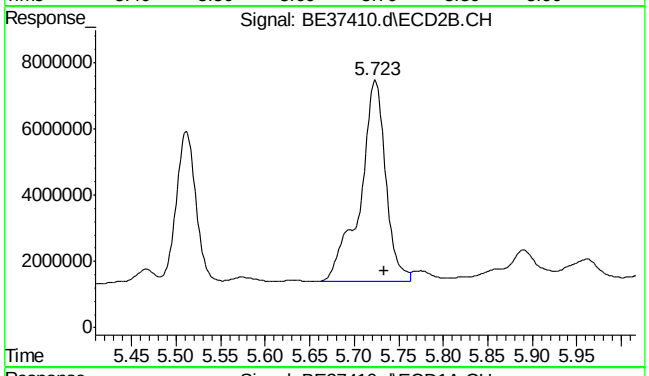
#24 Chlordane-A

R.T.: 5.511 min
Delta R.T.: -0.013 min
Response: 70447567
Conc: 572.87 m



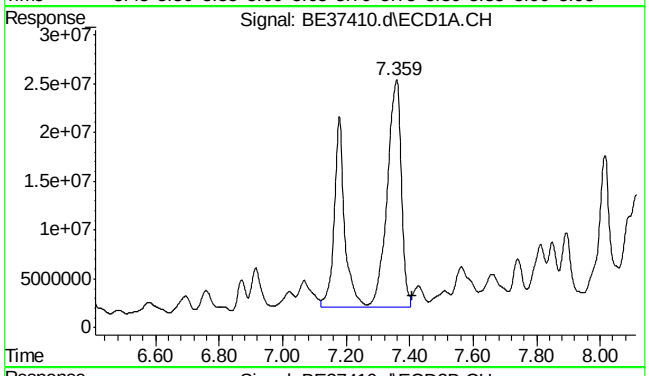
#25 Chlordane-B

R.T.: 5.694 min
Delta R.T.: -0.054 min
Response: 202584202
Conc: 457.40 m



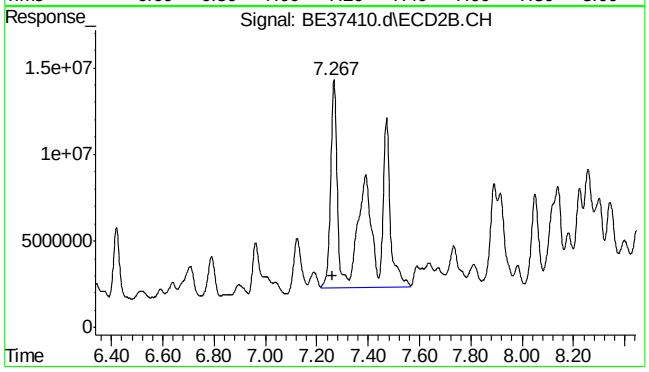
#25 Chlordane-B

R.T.: 5.724 min
Delta R.T.: -0.010 min
Response: 120715319
Conc: 600.30



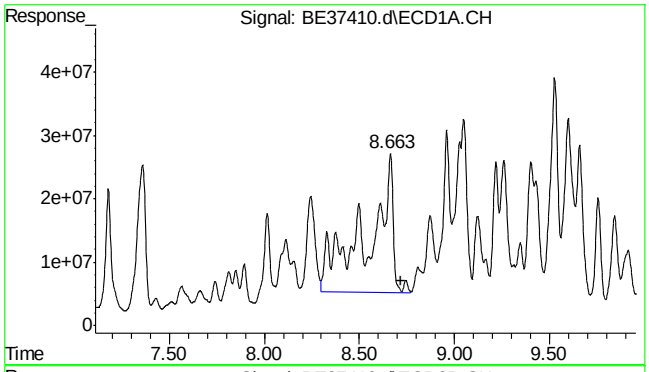
#26 Chlordane-C

R.T.: 7.359 min
Delta R.T.: -0.049 min
Response: 1160175608
Conc: 466.07 m



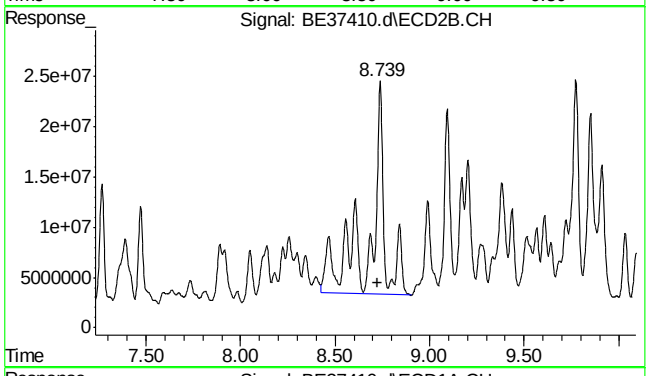
#26 Chlordane-C

R.T.: 7.267 min
Delta R.T.: 0.006 min
Response: 627810615
Conc: 539.96 m



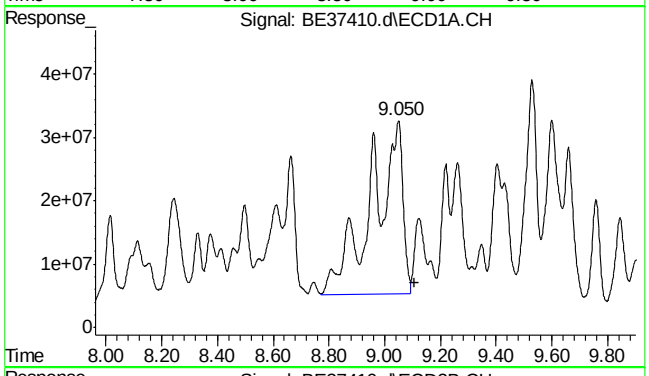
#27 Toxaphene-A

R.T.: 8.663 min
Delta R.T.: -0.057 min
Response: 2021044481
Conc: 4689.21 m



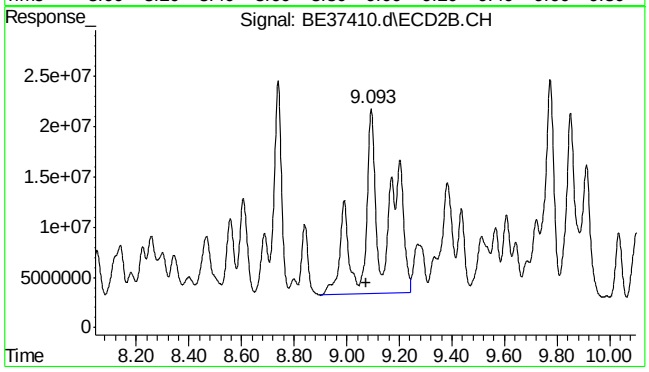
#27 Toxaphene-A

R.T.: 8.739 min
Delta R.T.: 0.016 min
Response: 1138027995
Conc: 5227.01 m



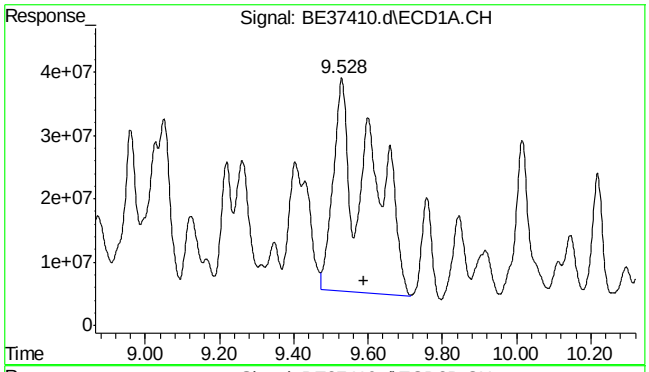
#28 Toxaphene-B

R.T.: 9.050 min
Delta R.T.: -0.057 min
Response: 2087314417
Conc: 4561.52 m



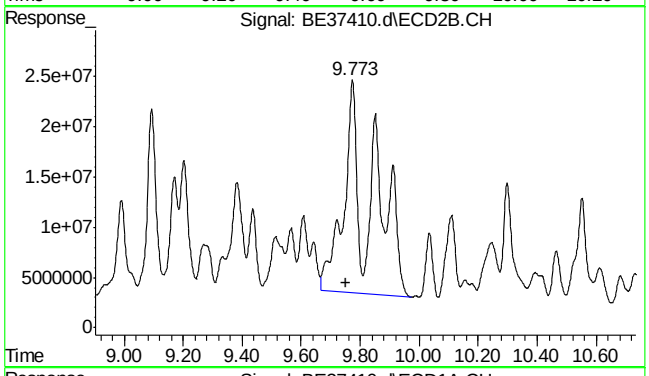
#28 Toxaphene-B

R.T.: 9.093 min
Delta R.T.: 0.019 min
Response: 1087260405
Conc: 4959.60 m



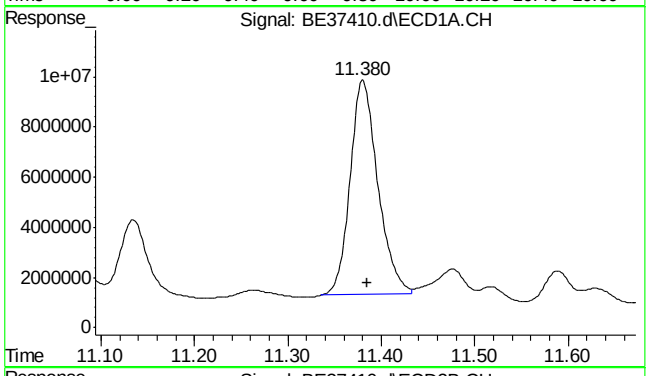
#29 Toxaphene-C

R.T.: 9.528 min
Delta R.T.: -0.060 min
Response: 2274003487
Conc: 4447.42 m



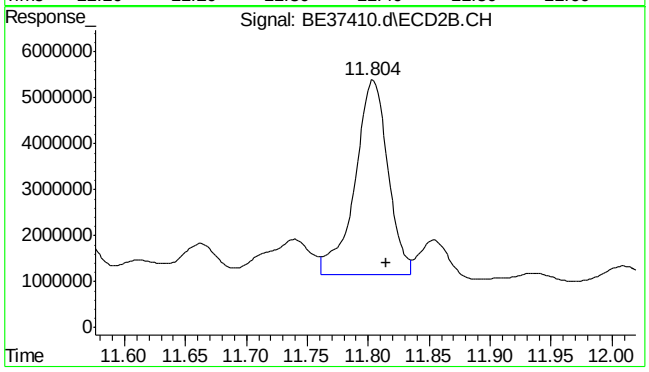
#29 Toxaphene-C

R.T.: 9.773 min
Delta R.T.: 0.019 min
Response: 1353838256
Conc: 4940.25 m



#38 DCB

R.T.: 11.380 min
Delta R.T.: -0.005 min
Response: 175772289
Conc: 38.00 ppb m



#38 DCB

R.T.: 11.804 min
Delta R.T.: -0.011 min
Response: 79451869
Conc: 33.36 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37411.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 14:33:15
Operator : andrip
Sample : ic1943-500,ct
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 77 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 15:57:45 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 14:31:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1)	s TCMX	3.644	3.597	115.3E6	75551779	19.650	23.260
	Spiked Amount 40.000			Recovery	=	49.13%	58.15%
38)	s DCB	11.383	11.803	88338894	40759640	20.333m	18.168m
	Spiked Amount 40.000			Recovery	=	50.83%	45.42%
	Target Compounds						
24)	Chlordane-A	5.580	5.512	59911620	37556211	321.312	388.838
25)	Chlordane-B	5.698	5.724	101.1E6	63978070	315.676	397.321m#
26)	Chlordane-C	7.363	7.267	579.8E6	339.3E6	318.823m	378.456m
27)	Toxaphene-A	8.667	8.738	1014.4E6	598.4E6	3220.797m	3591.805m
28)	Toxaphene-B	9.053	9.092	1038.2E6	588.3E6	3140.374m	3603.686m
29)	Toxaphene-C	9.532	9.774	1159.7E6	705.0E6	3140.564m	3441.056m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

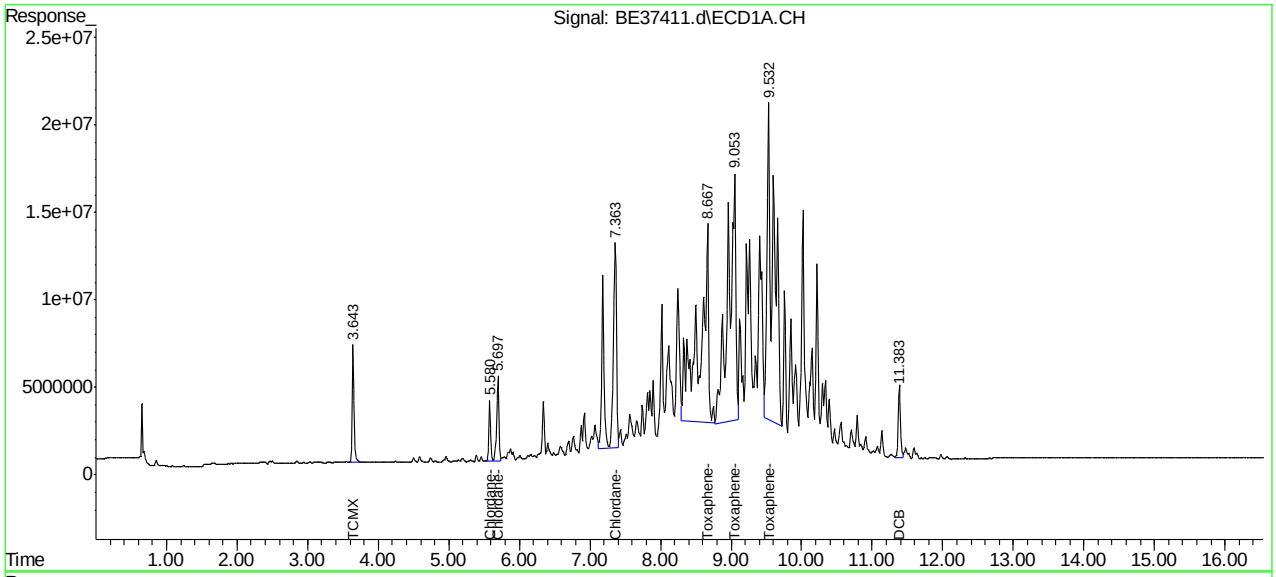
11.6.2
11

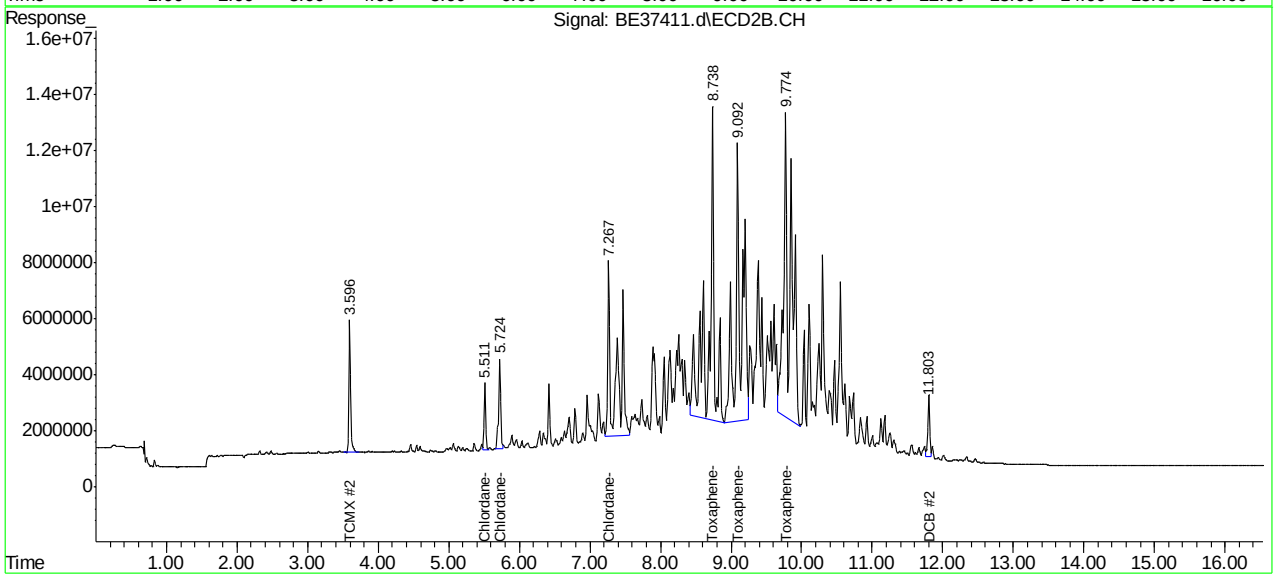
Quantitation Report (QT Reviewed)

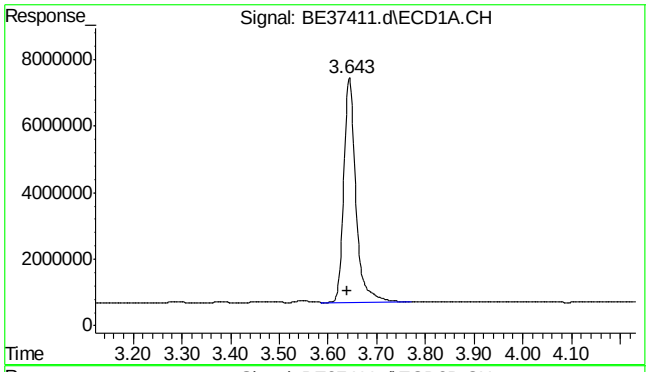
Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37411.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 14:33:15
Operator : andrip
Sample : ic1943-500,ct
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 77 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 15:57:45 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 14:31:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

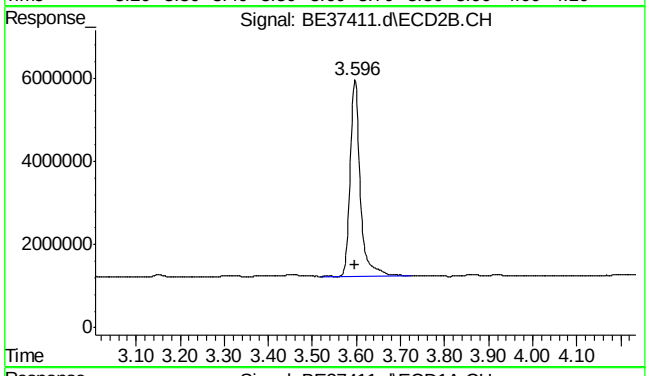






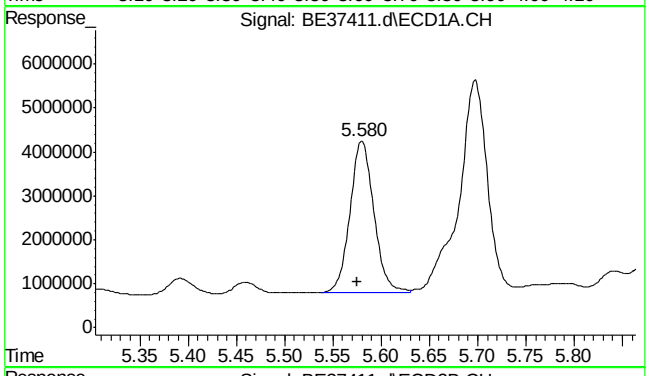
#1 TCMX

R.T.: 3.644 min
Delta R.T.: 0.005 min
Response: 115277516
Conc: 19.65 ppb



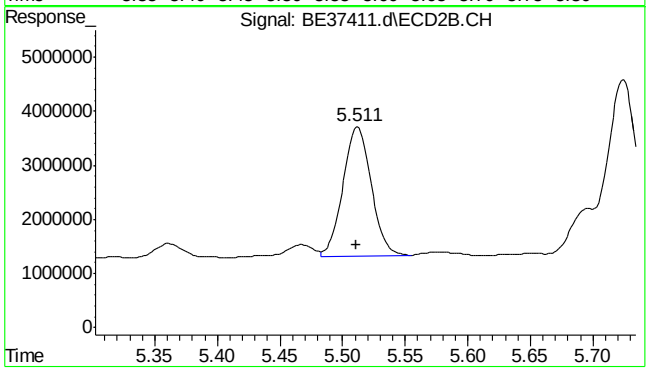
#1 TCMX

R.T.: 3.597 min
Delta R.T.: 0.000 min
Response: 75551779
Conc: 23.26 ppb



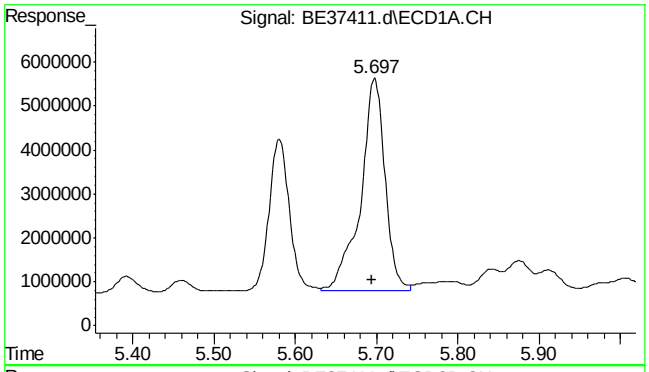
#24 Chlordane-A

R.T.: 5.580 min
Delta R.T.: 0.005 min
Response: 59911620
Conc: 321.31



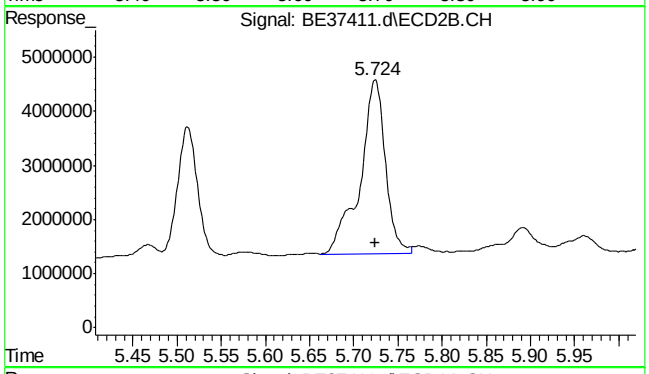
#24 Chlordane-A

R.T.: 5.512 min
Delta R.T.: 0.000 min
Response: 37556211
Conc: 388.84



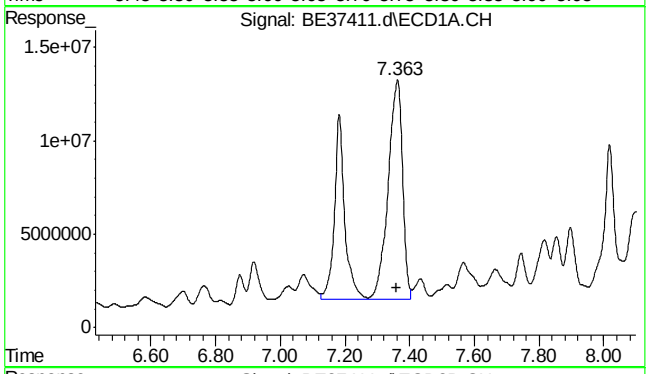
#25 Chlordane-B

R.T.: 5.698 min
Delta R.T.: 0.004 min
Response: 101061147
Conc: 315.68



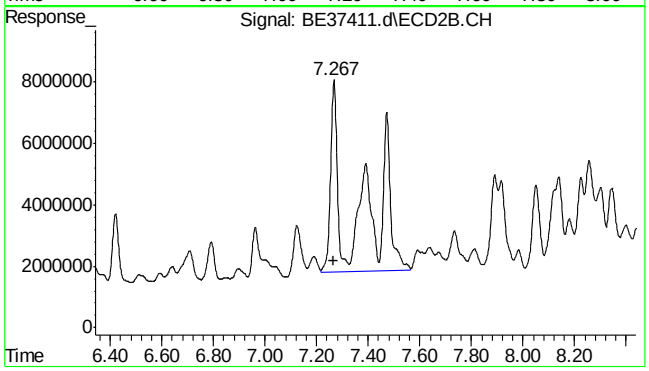
#25 Chlordane-B

R.T.: 5.724 min
Delta R.T.: 0.000 min
Response: 63978070
Conc: 397.32 m



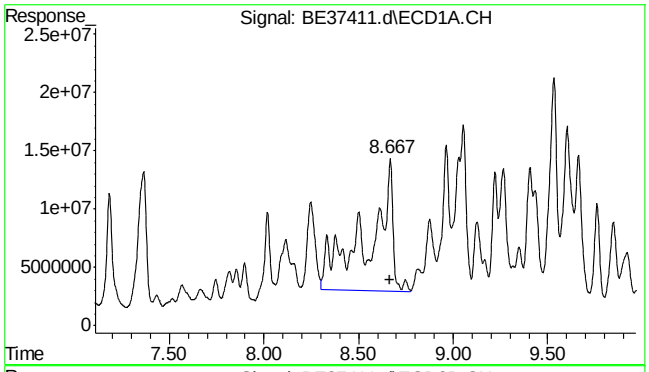
#26 Chlordane-C

R.T.: 7.363 min
Delta R.T.: 0.004 min
Response: 579801245
Conc: 318.82 m



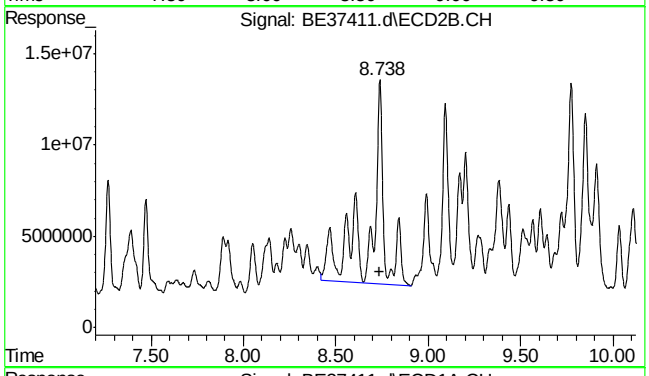
#26 Chlordane-C

R.T.: 7.267 min
Delta R.T.: 0.000 min
Response: 339332270
Conc: 378.46 m



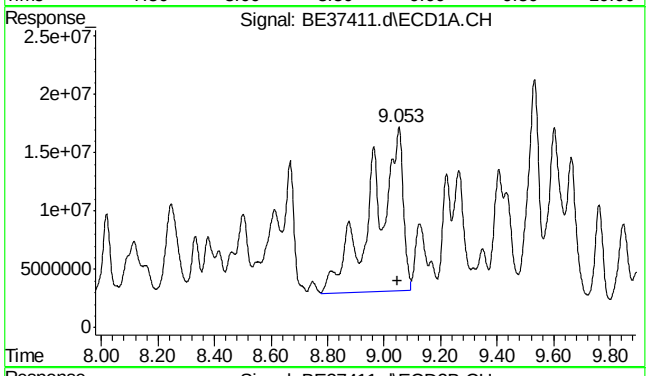
#27 Toxaphene-A

R.T.: 8.667 min
Delta R.T.: 0.004 min
Response: 1014394287
Conc: 3220.80 m



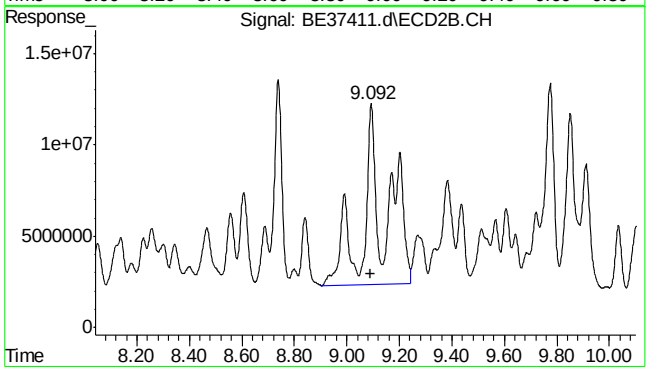
#27 Toxaphene-A

R.T.: 8.738 min
Delta R.T.: 0.000 min
Response: 598386985
Conc: 3591.81 m



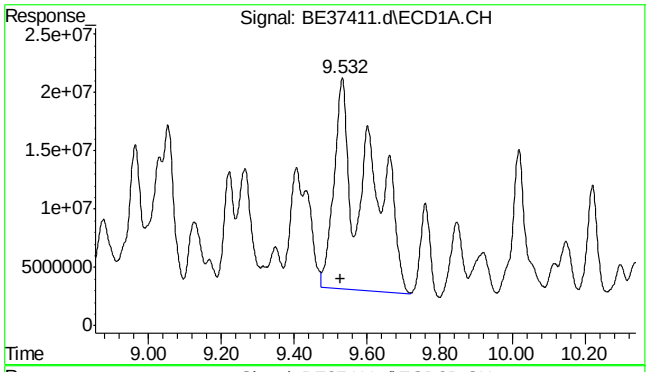
#28 Toxaphene-B

R.T.: 9.053 min
Delta R.T.: 0.003 min
Response: 1038237565
Conc: 3140.37 m



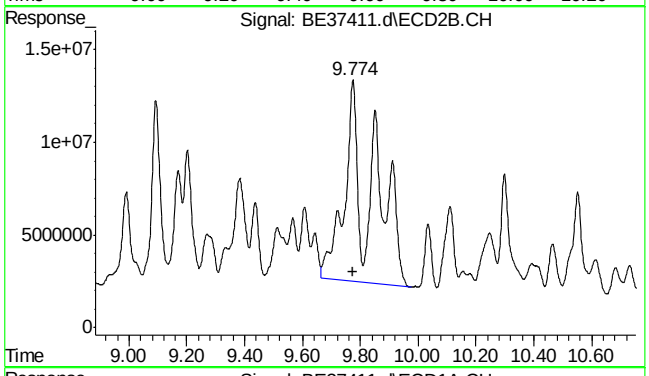
#28 Toxaphene-B

R.T.: 9.092 min
Delta R.T.: 0.000 min
Response: 588306896
Conc: 3603.69 m



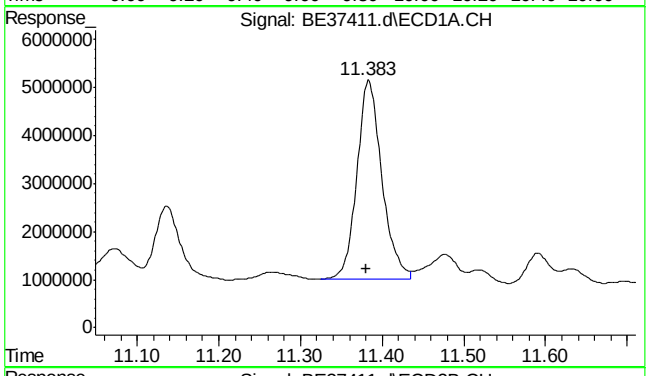
#29 Toxaphene-C

R.T.: 9.532 min
Delta R.T.: 0.004 min
Response: 1159708186
Conc: 3140.56 m



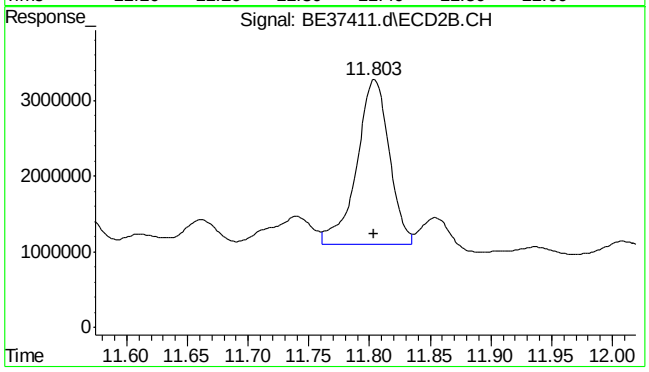
#29 Toxaphene-C

R.T.: 9.774 min
Delta R.T.: 0.000 min
Response: 704992389
Conc: 3441.06 m



#38 DCB

R.T.: 11.383 min
Delta R.T.: 0.003 min
Response: 88338894
Conc: 20.33 ppb m



#38 DCB

R.T.: 11.803 min
Delta R.T.: 0.000 min
Response: 40759640
Conc: 18.17 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37412.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 14:54:42
Operator : andrip
Sample : ic1943-500,a16/60
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 78 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 15:59:44 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 15:58:04 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.639	3.596	152.2E6	94015633	27.790	30.421
	Spiked Amount 40.000			Recovery	=	69.47%	76.05%
38) s	DCB	11.382	11.804	95422288	51258751	23.531	24.201m
	Spiked Amount 40.000			Recovery	=	58.83%	60.50%
	Target Compounds						
30)	AR1016-A	4.189f	4.336f	24987817	17217358	257.727m	295.528m
31)	AR1016-B	4.720f	4.930f	55575380	36066519	239.920m	316.253m#
32)	AR1016-C	5.414f	5.591	112.7E6	69461245	274.059m	305.801m
33)	AR1260-A	7.882f	8.165	65070625	37578060	231.653m	272.708m
34)	AR1260-B	8.260f	8.442f	122.5E6	45510222	215.405m	242.045
35)	AR1260-C	8.640f	9.044f	216.3E6	119.4E6	220.301m	251.408m
36)	AR1260-D	9.541f	9.771f	160.2E6	81249793	214.136m	226.182m
37)	AR1260-E	9.923f	10.263f	141.3E6	80403859	216.636m	226.099m

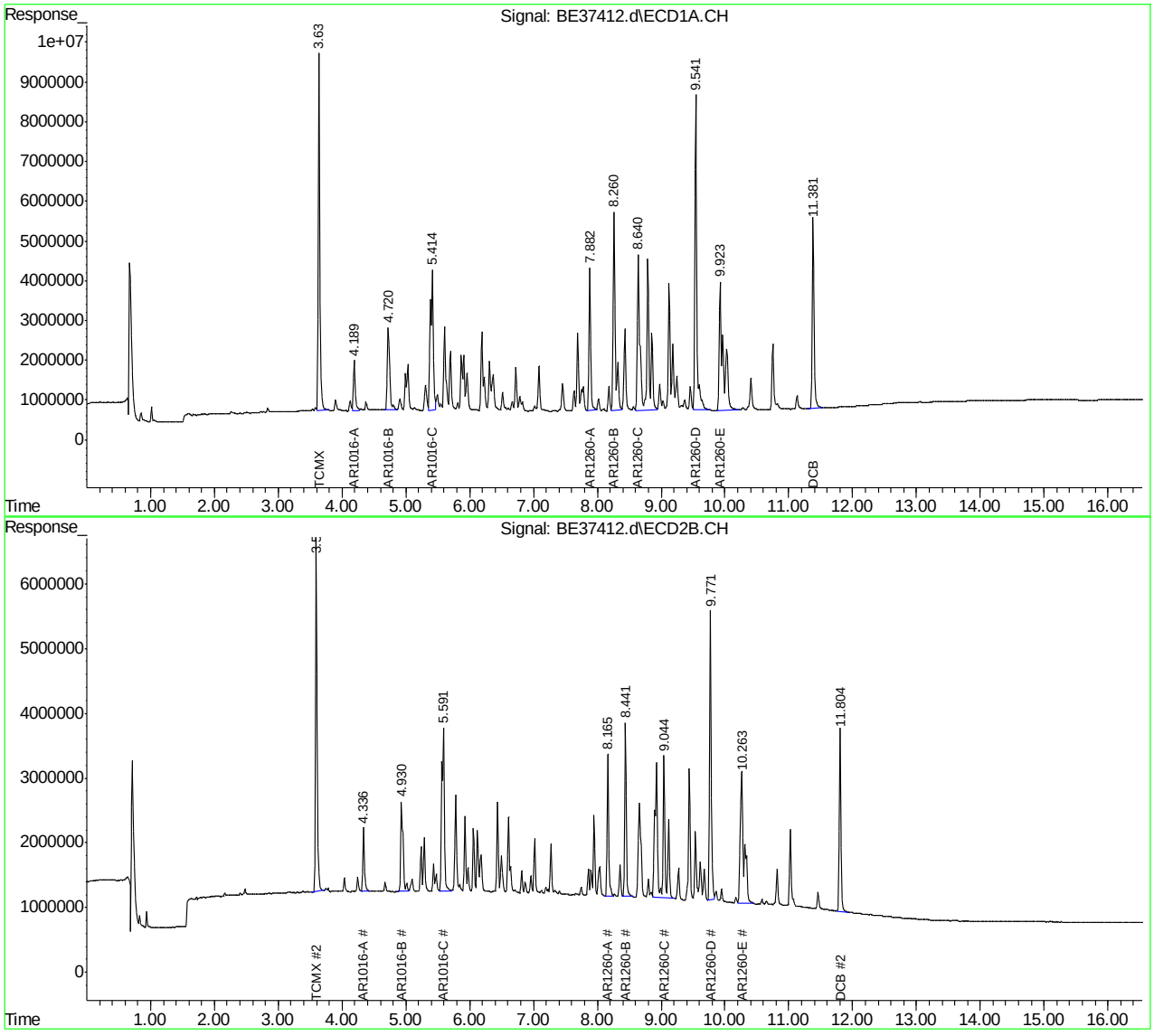
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

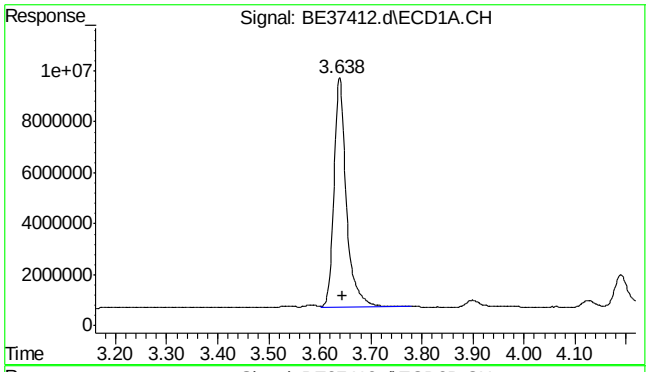
Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37412.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 14:54:42
Operator : andrip
Sample : ic1943-500,a16/60
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 78 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 15:59:44 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 15:58:04 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

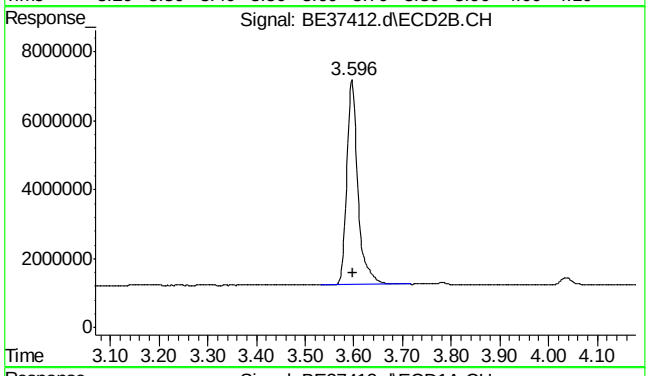


ACCUTEST LABORATORIES MC23272



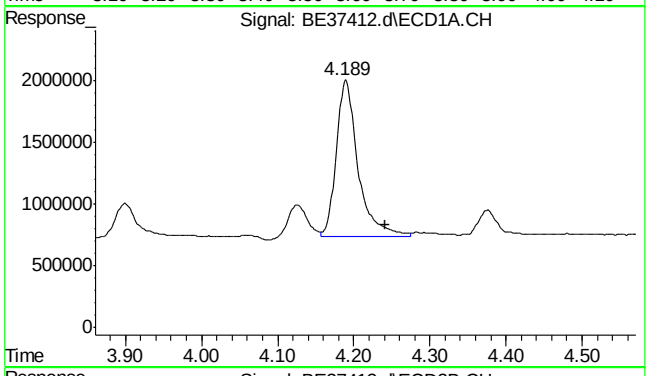
#1 TCMX

R.T.: 3.639 min
Delta R.T.: -0.005 min
Response: 152209284
Conc: 27.79 ppb



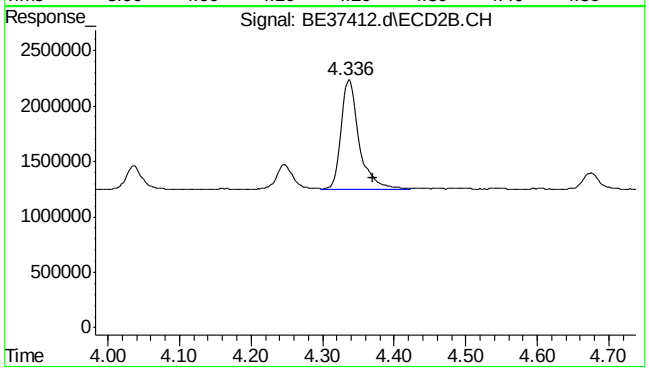
#1 TCMX

R.T.: 3.596 min
Delta R.T.: 0.000 min
Response: 94015633
Conc: 30.42 ppb



#30 AR1016-A

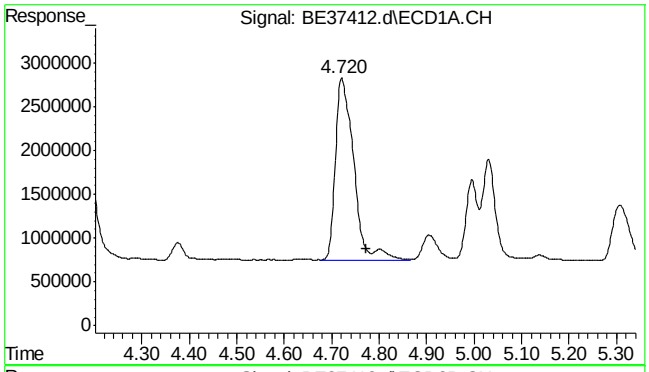
R.T.: 4.189 min
Delta R.T.: -0.053 min
Response: 24987817
Conc: 257.73 m



#30 AR1016-A

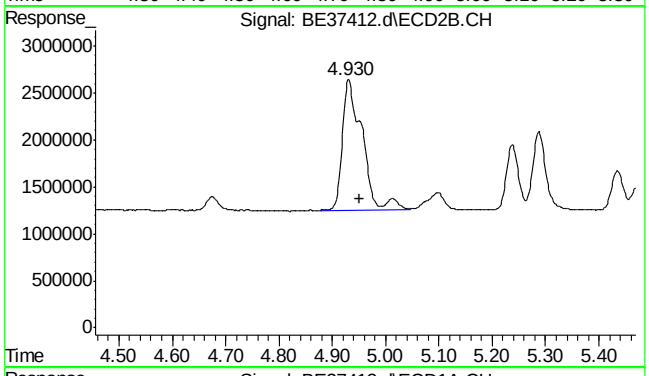
R.T.: 4.336 min
Delta R.T.: -0.034 min
Response: 17217358
Conc: 295.53 m

11.6.3 11



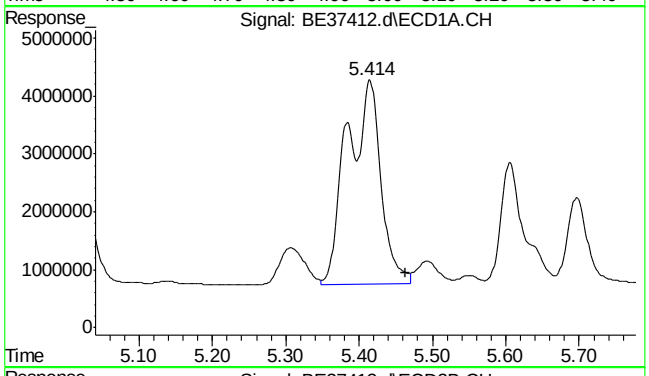
#31 AR1016-B

R.T.: 4.720 min
Delta R.T.: -0.052 min
Response: 55575380
Conc: 239.92 m



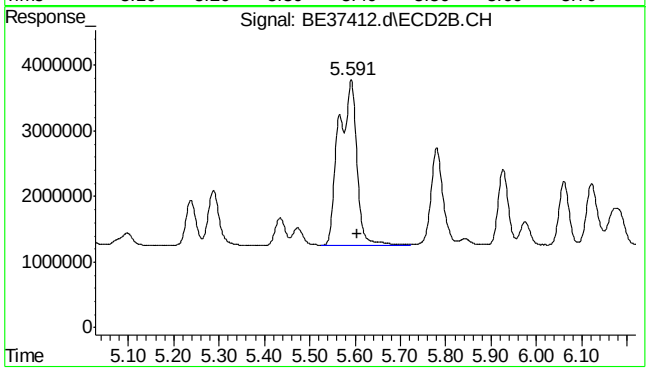
#31 AR1016-B

R.T.: 4.930 min
Delta R.T.: -0.022 min
Response: 36066519
Conc: 316.25 m



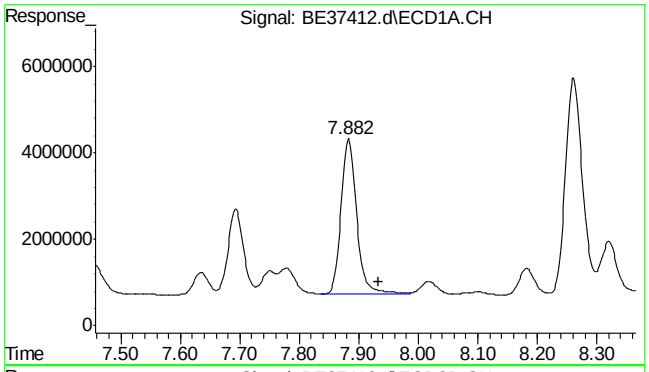
#32 AR1016-C

R.T.: 5.414 min
Delta R.T.: -0.049 min
Response: 112745027
Conc: 274.06 m



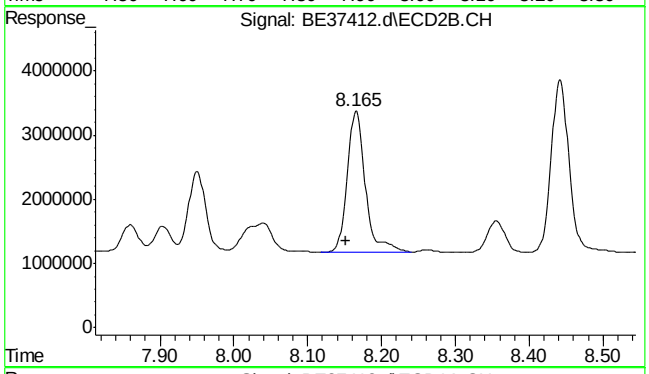
#32 AR1016-C

R.T.: 5.591 min
Delta R.T.: -0.013 min
Response: 69461245
Conc: 305.80 m



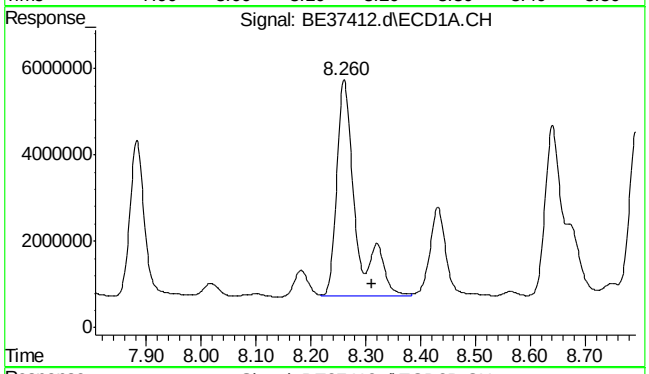
#33 AR1260-A

R.T.: 7.882 min
Delta R.T.: -0.051 min
Response: 65070625
Conc: 231.65 m



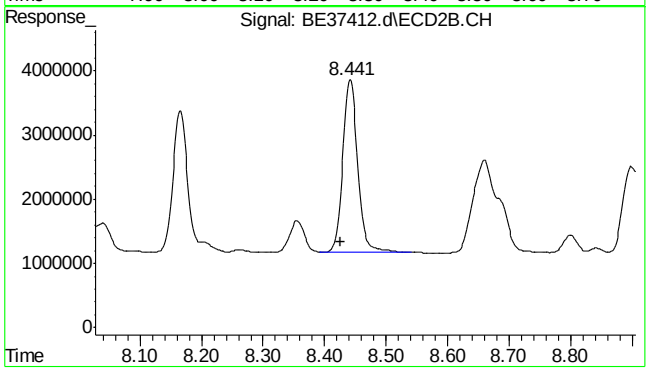
#33 AR1260-A

R.T.: 8.165 min
Delta R.T.: 0.013 min
Response: 37578060
Conc: 272.71 m



#34 AR1260-B

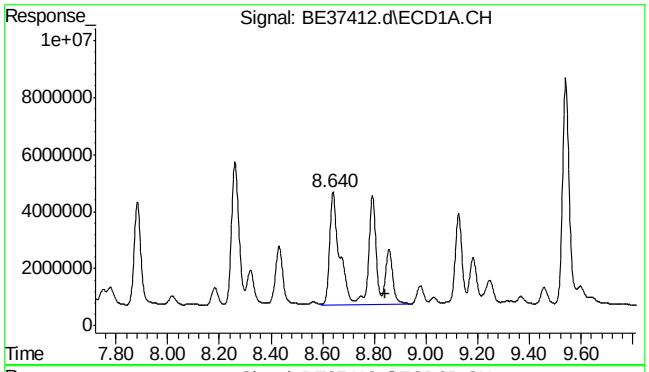
R.T.: 8.260 min
Delta R.T.: -0.051 min
Response: 122475076
Conc: 215.40 m



#34 AR1260-B

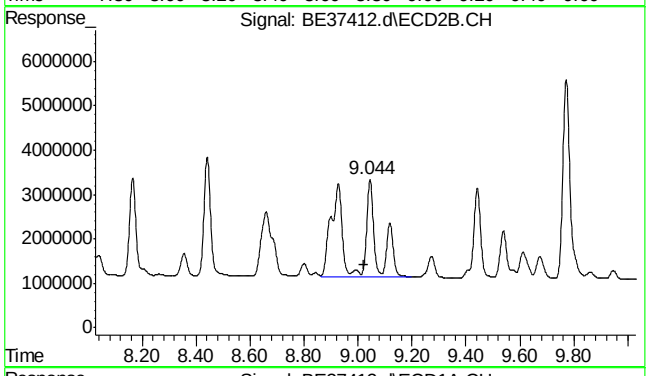
R.T.: 8.442 min
Delta R.T.: 0.017 min
Response: 45510222
Conc: 242.05

11.6.3 11



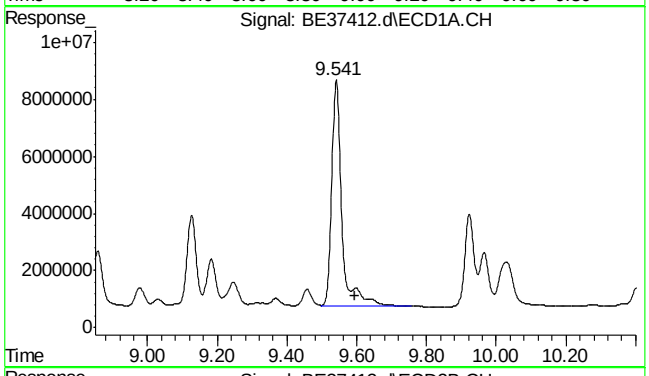
#35 AR1260-C

R.T.: 8.640 min
Delta R.T.: -0.204 min
Response: 216264279
Conc: 220.30 m



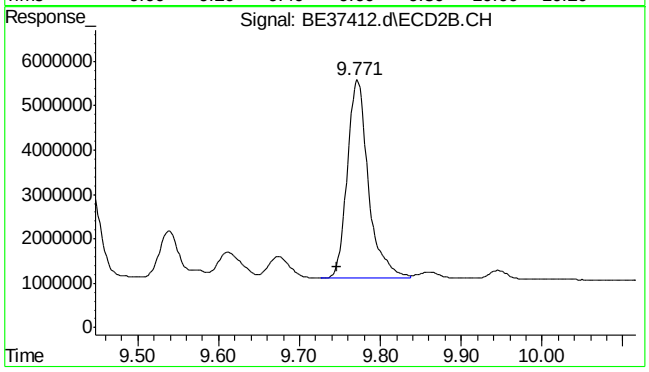
#35 AR1260-C

R.T.: 9.044 min
Delta R.T.: 0.020 min
Response: 119393339
Conc: 251.41 m



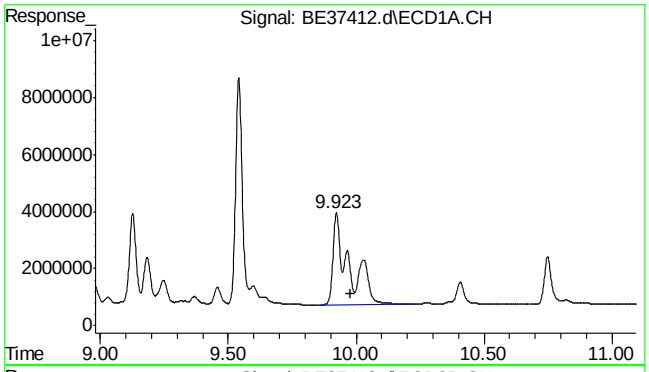
#36 AR1260-D

R.T.: 9.541 min
Delta R.T.: -0.053 min
Response: 160186782
Conc: 214.14 m



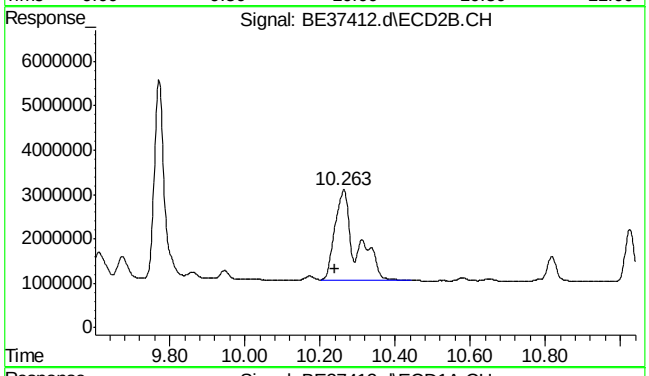
#36 AR1260-D

R.T.: 9.771 min
Delta R.T.: 0.024 min
Response: 81249793
Conc: 226.18 m



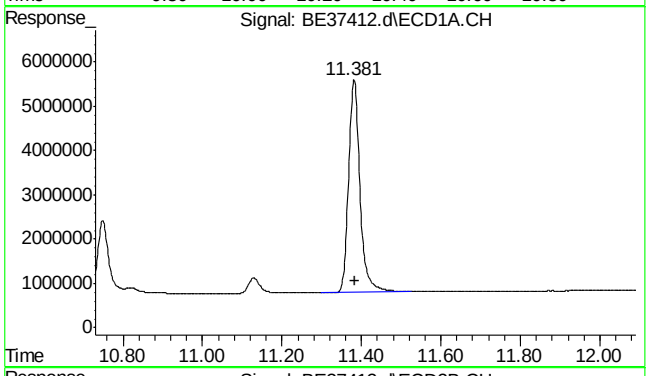
#37 AR1260-E

R.T.: 9.923 min
Delta R.T.: -0.055 min
Response: 141308418
Conc: 216.64 m



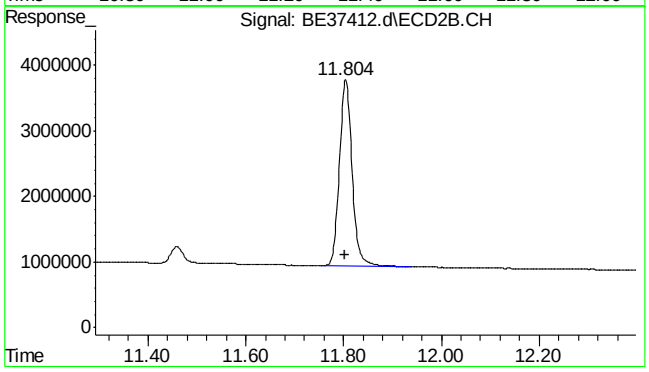
#37 AR1260-E

R.T.: 10.263 min
Delta R.T.: 0.024 min
Response: 80403859
Conc: 226.10 m



#38 DCB

R.T.: 11.382 min
Delta R.T.: 0.000 min
Response: 95422288
Conc: 23.53 ppb



#38 DCB

R.T.: 11.804 min
Delta R.T.: 0.000 min
Response: 51258751
Conc: 24.20 ppb m

11.6.3
11

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37413.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 15:16:11
Operator : andrip
Sample : ic1943-500,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 79 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 16:00:47 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 15:59:51 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
1) s	TCMX	3.640	3.596	162.6E6	104.0E6	32.432m	35.898m	
	Spiked Amount 40.000			Recovery	=	81.08%	89.75%	
38) s	DCB	11.382	11.804	100.4E6	53815756	27.019	27.534	
	Spiked Amount 40.000			Recovery	=	67.55%	68.84%	
	Target Compounds							
2)	Hexachlor...	4.241	4.319	1989.6E6	1177.1E6	210.354m	243.778	
3)	Alpha-BHC	4.501	4.545	2343.5E6	1463.0E6	210.592	256.313	
4)	Gamma-BHC	4.986	5.088	2064.4E6	1261.0E6	210.655	254.694	
5)	Beta-BHC	5.117	5.221	818.3E6	481.3E6	212.322	254.641	
6)	Heptachlor	5.696	5.725	1570.4E6	904.7E6	192.293	221.463	
7)	Delta-BHC	5.383	5.654	1996.6E6	1215.0E6	216.259	263.908	
8)	Alachlor	6.360	6.081	1135.6E6	493.4E6	1631.528	1384.823	
9)	Aldrin	6.135	6.188	1675.4E6	952.5E6	188.889	213.104	
10)	Heptachlo...	7.005	7.008	1283.3E6	717.3E6	178.661	261.675	#
11)	Gamma-Chl...	7.180	7.269	1624.3E6	883.9E6	195.706	218.947	
12)	Alpha-Chl...	7.367	7.473	1532.1E6	825.9E6	273.570	214.264	
13)	Endosulfan-I	7.555	7.545	1229.2E6	650.6E6	174.676	187.652	
14)	4,4'-DDE	7.484	7.724	1346.4E6	758.6E6	231.746	225.530	
15)	Dieldrin	7.886	7.922	1361.7E6	743.0E6	210.625	194.553	
16)	Endrin	8.203	8.337	1189.0E6	628.2E6	208.289	209.742	
17)	4,4'-DDD	8.302	8.509	1083.9E6	578.5E6	221.886	219.307m	
18)	Endosulfa...	8.508	8.627	1073.2E6	588.7E6	194.432	188.493	
19)	4,4'-DDT	8.681	8.928	1194.9E6	621.9E6	233.439	219.842	
20)	Endrin Al...	9.077	9.086	856.4E6	445.1E6	188.621	181.529	
21)	Endosulfa...	9.665	9.454	958.8E6	511.3E6	189.355	175.625	
22)	Methoxychlor	9.335	9.865	495.3E6	244.7E6	251.943	310.131	
23)	Endrin Ke...	10.040	10.170	1095.0E6	559.8E6	178.701	164.803	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

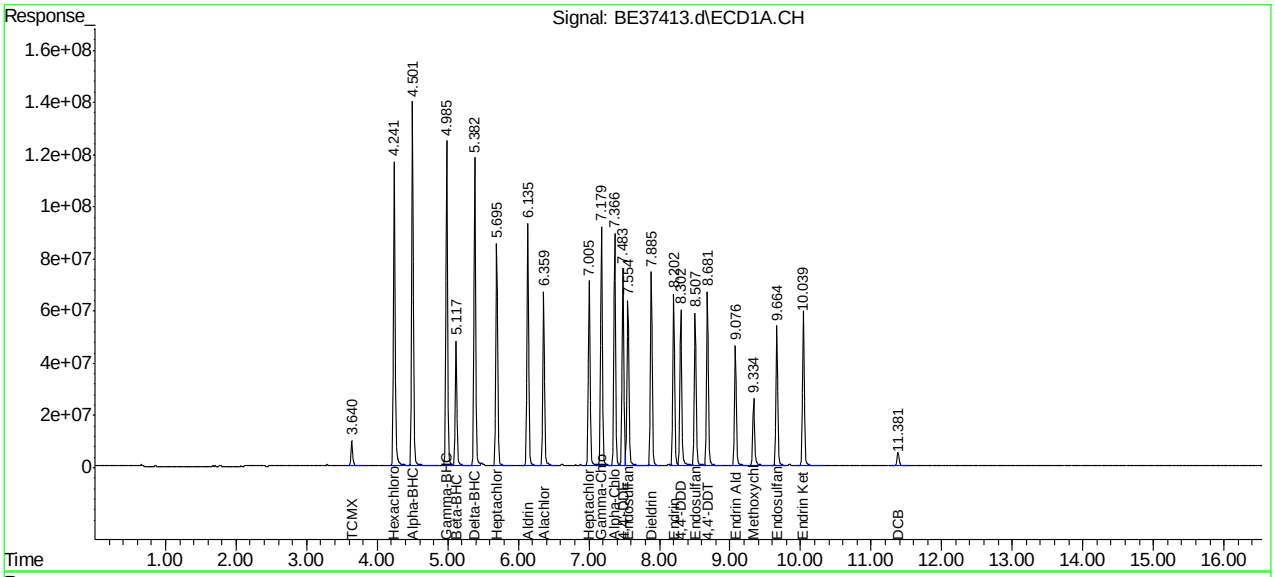
11.6.4 11

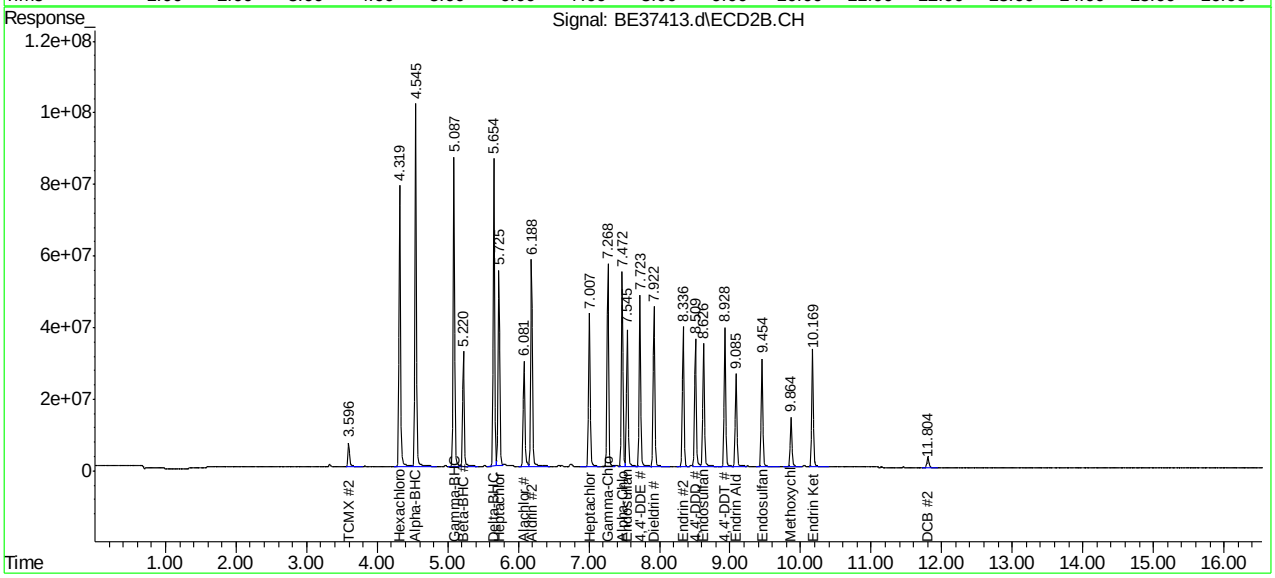
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37413.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 15:16:11
Operator : andrip
Sample : ic1943-500,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 79 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

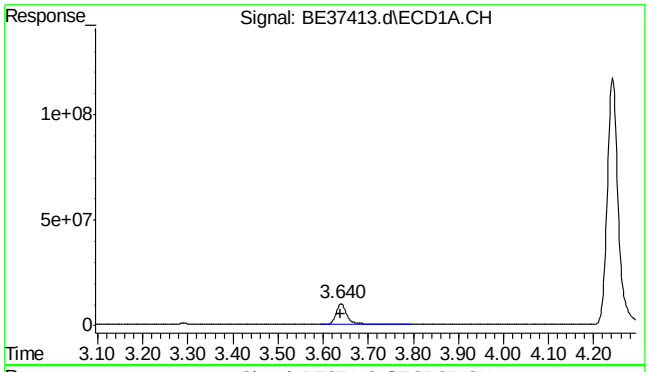
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 16:00:47 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 15:59:51 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



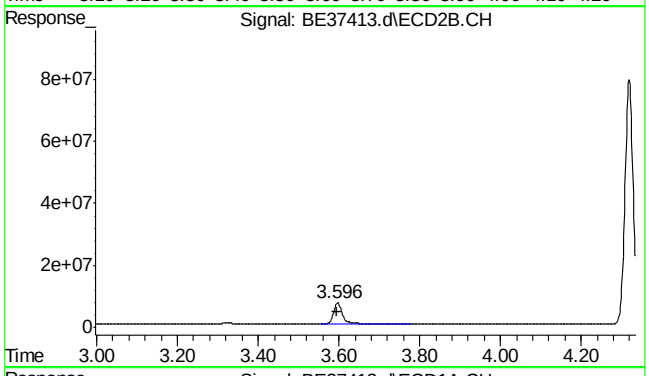


ACCUTEST LABORATORIES MC23272



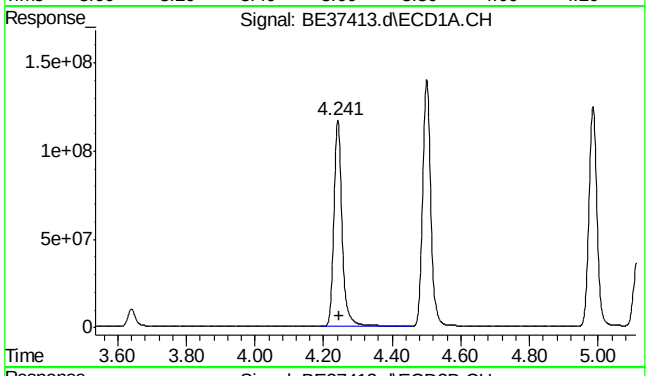
#1 TCMX

R.T.: 3.640 min
Delta R.T.: 0.000 min
Response: 162643202
Conc: 32.43 ppb m



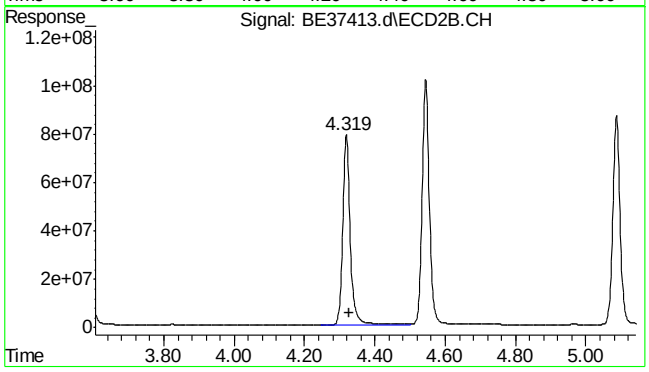
#1 TCMX

R.T.: 3.596 min
Delta R.T.: 0.000 min
Response: 103997024
Conc: 35.90 ppb m



#2 Hexachlorobenzene

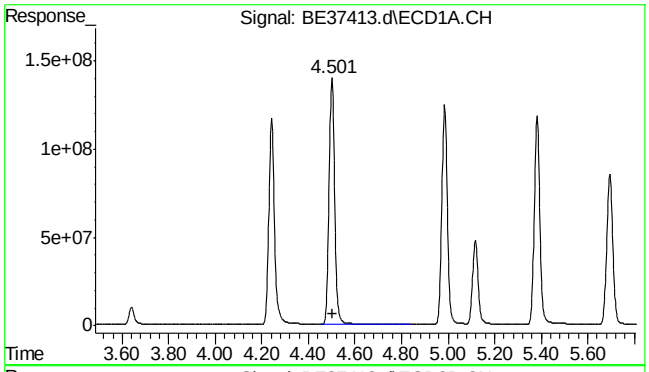
R.T.: 4.241 min
Delta R.T.: -0.006 min
Response: 1989565101
Conc: 210.35 ppb m



#2 Hexachlorobenzene

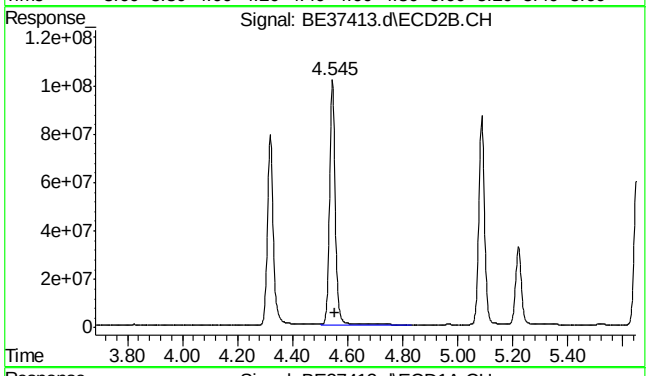
R.T.: 4.319 min
Delta R.T.: -0.008 min
Response: 1177131479
Conc: 243.78 ppb

11.6.4
11



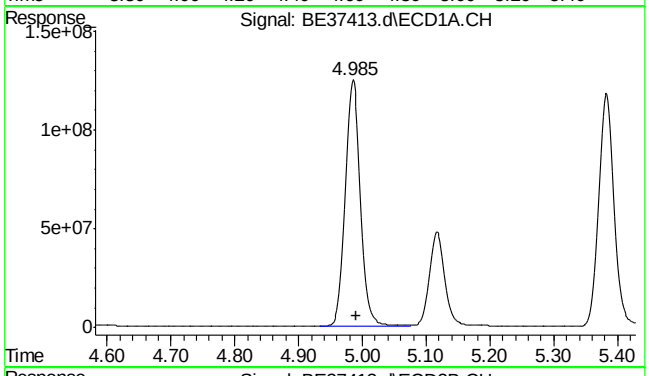
#3 Alpha-BHC

R.T.: 4.501 min
Delta R.T.: -0.005 min
Response: 2343511343
Conc: 210.59 ppb



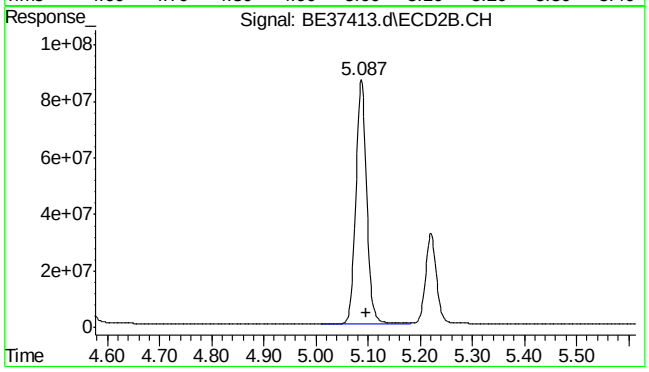
#3 Alpha-BHC

R.T.: 4.545 min
Delta R.T.: -0.008 min
Response: 1463014011
Conc: 256.31 ppb



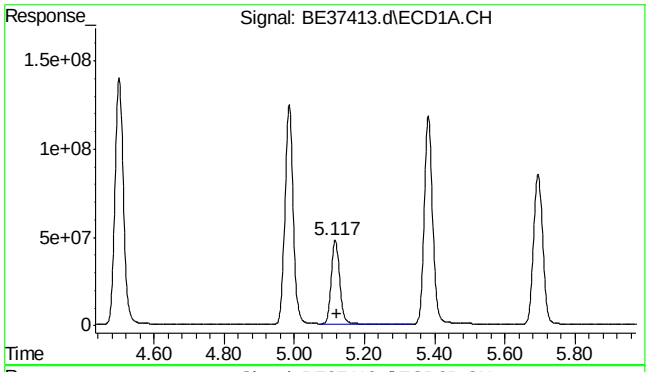
#4 Gamma-BHC

R.T.: 4.986 min
Delta R.T.: -0.005 min
Response: 2064356422
Conc: 210.65 ppb



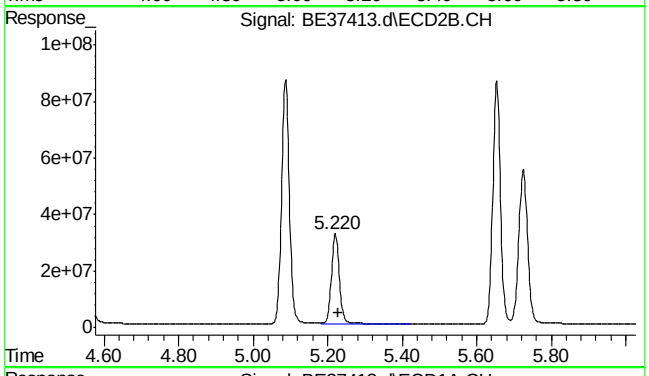
#4 Gamma-BHC

R.T.: 5.088 min
Delta R.T.: -0.008 min
Response: 1261041260
Conc: 254.69 ppb



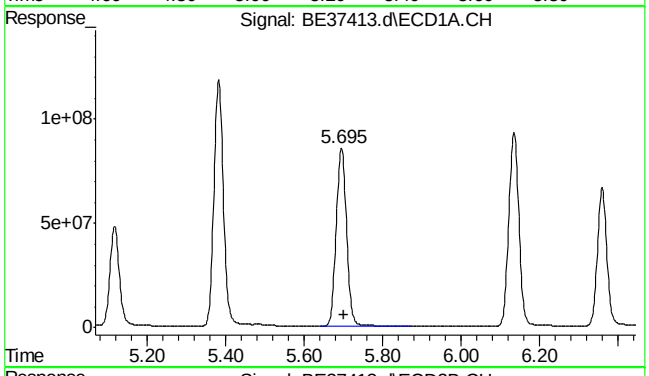
#5 Beta-BHC

R.T.: 5.117 min
Delta R.T.: -0.005 min
Response: 818318949
Conc: 212.32 ppb



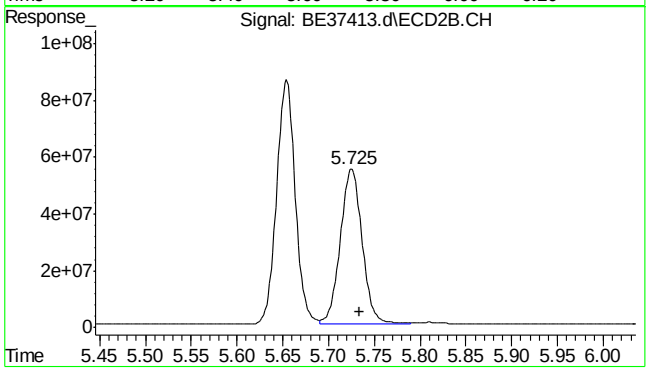
#5 Beta-BHC

R.T.: 5.221 min
Delta R.T.: -0.009 min
Response: 481334663
Conc: 254.64 ppb



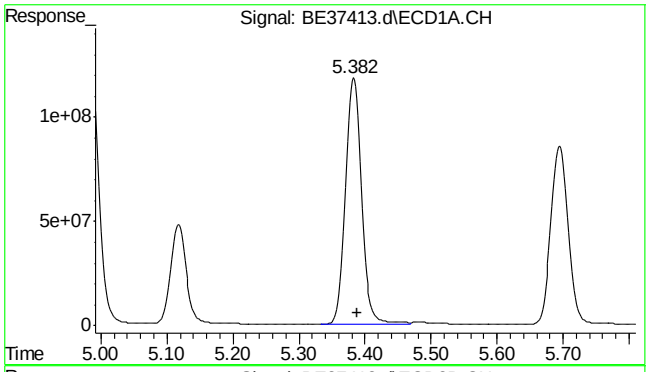
#6 Heptachlor

R.T.: 5.696 min
Delta R.T.: -0.005 min
Response: 1570404064
Conc: 192.29 ppb



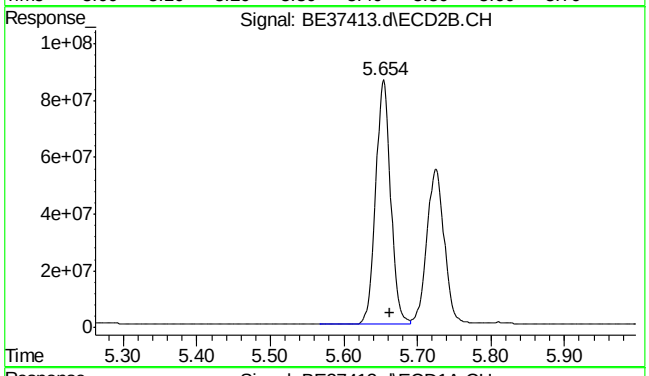
#6 Heptachlor

R.T.: 5.725 min
Delta R.T.: -0.009 min
Response: 904694320
Conc: 221.46 ppb



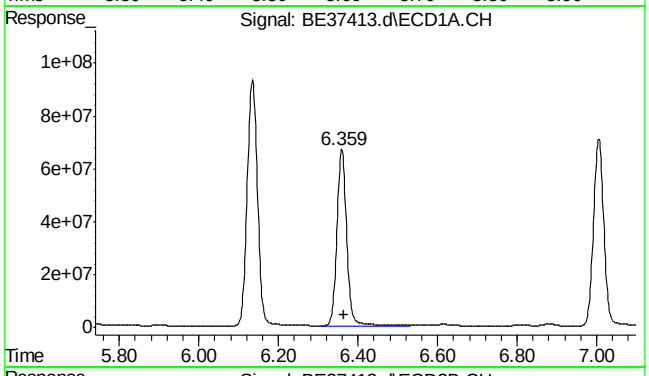
#7 Delta-BHC

R.T.: 5.383 min
Delta R.T.: -0.005 min
Response: 1996594845
Conc: 216.26 ppb



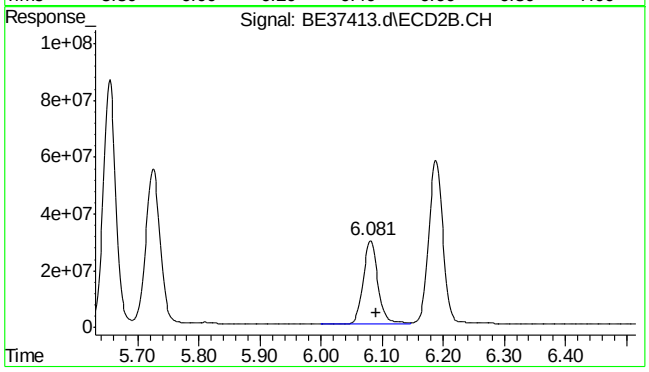
#7 Delta-BHC

R.T.: 5.654 min
Delta R.T.: -0.009 min
Response: 1214965910
Conc: 263.91 ppb



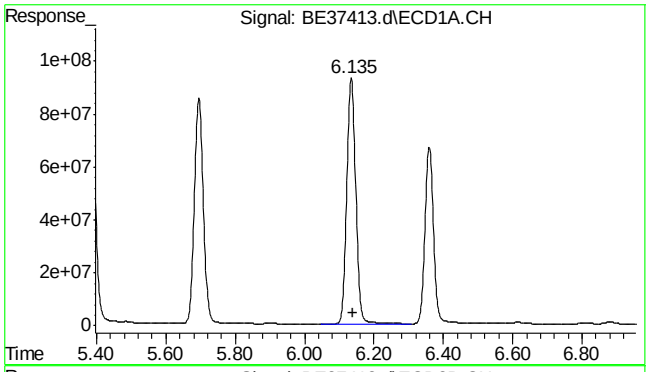
#8 Alachlor

R.T.: 6.360 min
Delta R.T.: -0.005 min
Response: 1135613074
Conc: 1631.53 ppb



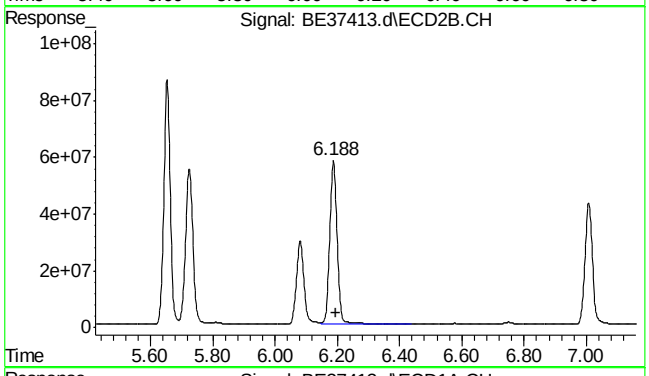
#8 Alachlor

R.T.: 6.081 min
Delta R.T.: -0.009 min
Response: 493449294
Conc: 1384.82 ppb



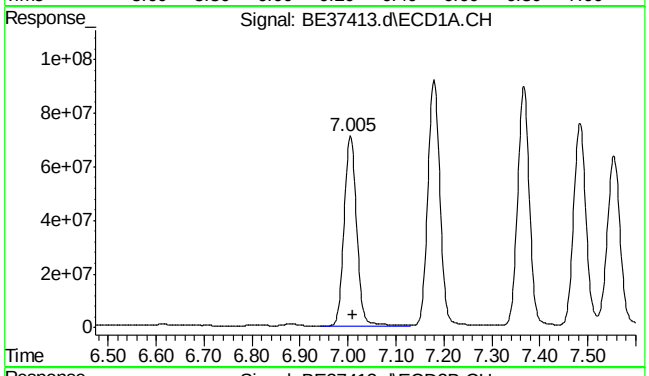
#9 Aldrin

R.T.: 6.135 min
Delta R.T.: -0.005 min
Response: 1675425921
Conc: 188.89 ppb



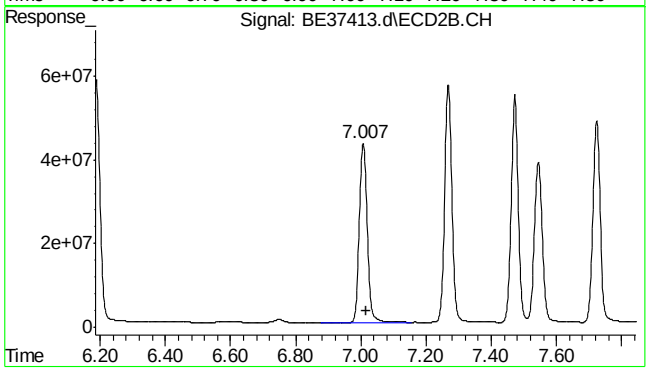
#9 Aldrin

R.T.: 6.188 min
Delta R.T.: -0.009 min
Response: 952500197
Conc: 213.10 ppb



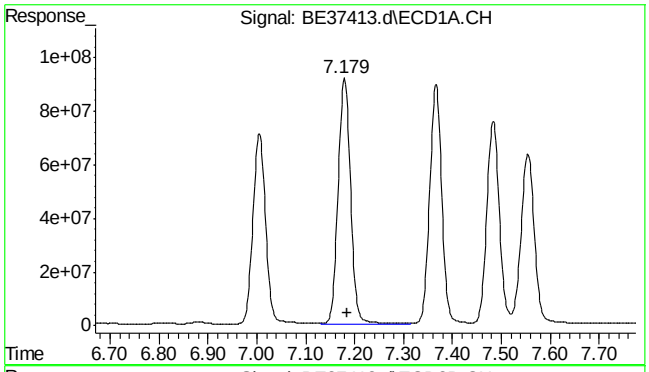
#10 Heptachlor Epoxide

R.T.: 7.005 min
Delta R.T.: -0.005 min
Response: 1283272556
Conc: 178.66 ppb



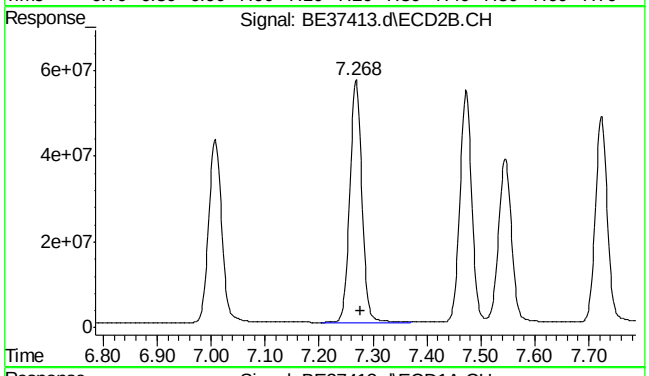
#10 Heptachlor Epoxide

R.T.: 7.008 min
Delta R.T.: -0.009 min
Response: 717256545
Conc: 261.68 ppb



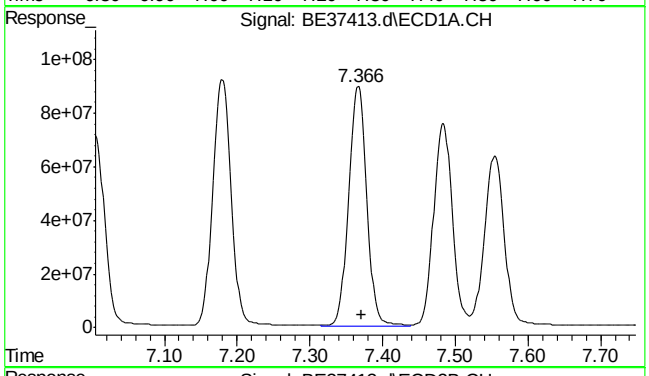
#11 Gamma-Chlordane

R.T.: 7.180 min
Delta R.T.: -0.005 min
Response: 1624290657
Conc: 195.71 ppb



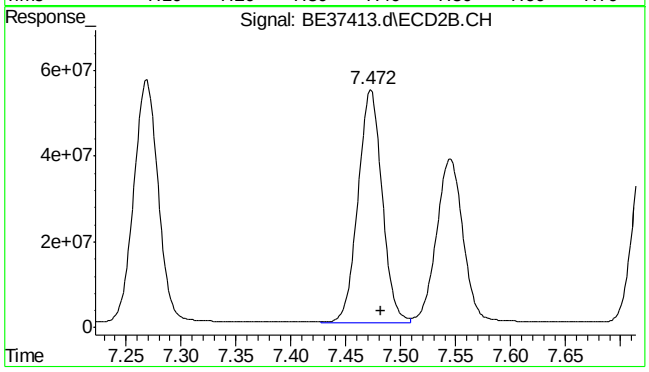
#11 Gamma-Chlordane

R.T.: 7.269 min
Delta R.T.: -0.009 min
Response: 883853562
Conc: 218.95 ppb



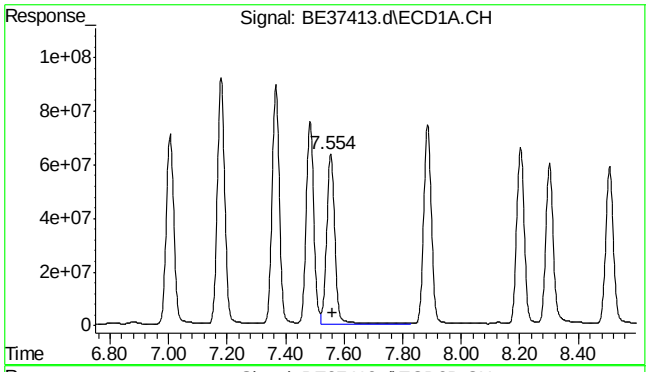
#12 Alpha-Chlordane

R.T.: 7.367 min
Delta R.T.: -0.005 min
Response: 1532066072
Conc: 273.57 ppb



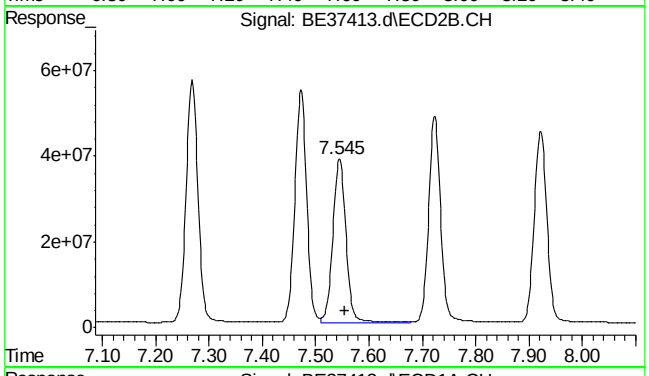
#12 Alpha-Chlordane

R.T.: 7.473 min
Delta R.T.: -0.009 min
Response: 825947244
Conc: 214.26 ppb



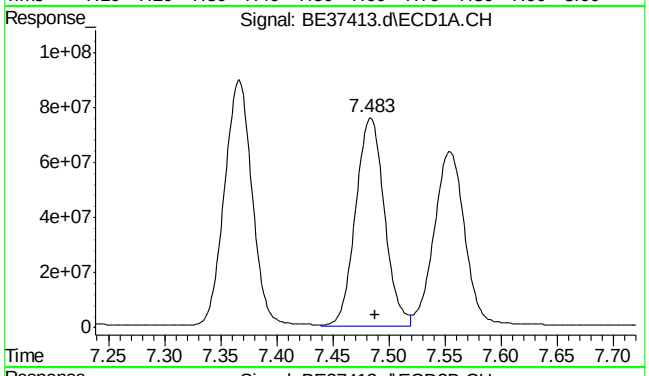
#13 Endosulfan-I

R.T.: 7.555 min
Delta R.T.: -0.005 min
Response: 1229186647
Conc: 174.68 ppb



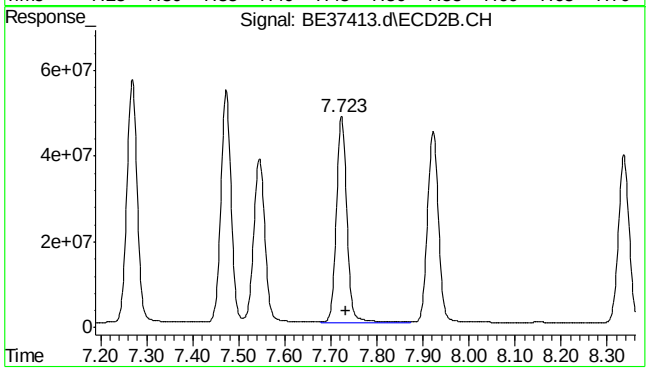
#13 Endosulfan-I

R.T.: 7.545 min
Delta R.T.: -0.009 min
Response: 650598749
Conc: 187.65 ppb



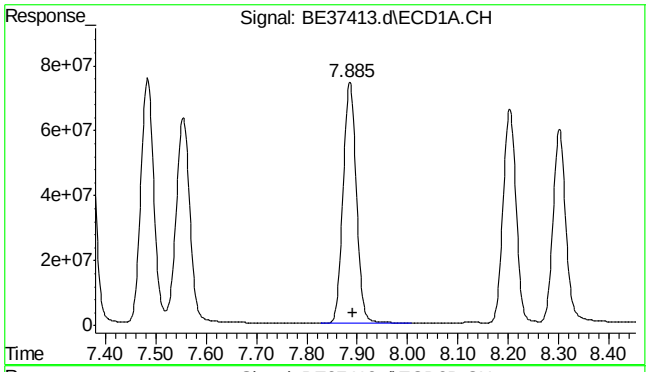
#14 4,4'-DDE

R.T.: 7.484 min
Delta R.T.: -0.004 min
Response: 1346422457
Conc: 231.75 ppb



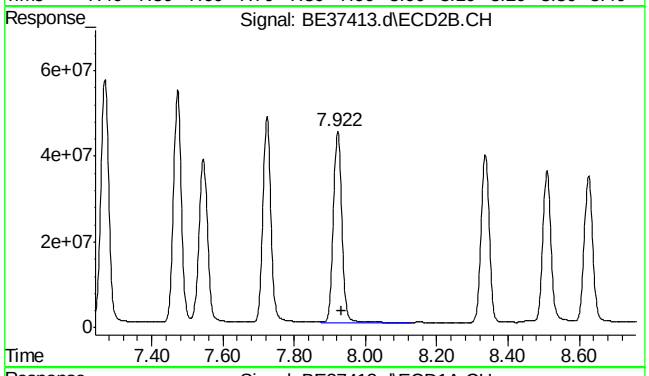
#14 4,4'-DDE

R.T.: 7.724 min
Delta R.T.: -0.009 min
Response: 758595990
Conc: 225.53 ppb



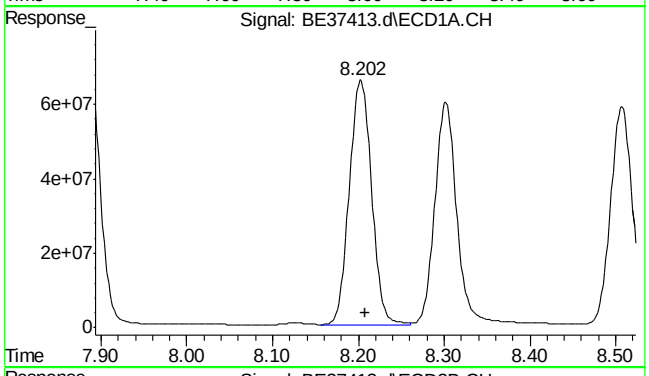
#15 Dieldrin

R.T.: 7.886 min
Delta R.T.: -0.005 min
Response: 1361747368
Conc: 210.62 ppb



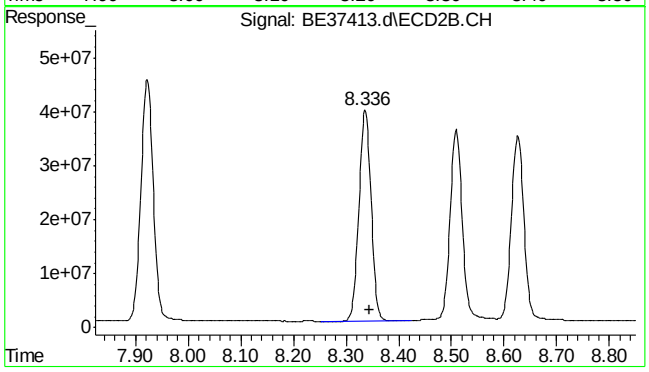
#15 Dieldrin

R.T.: 7.922 min
Delta R.T.: -0.009 min
Response: 742961823
Conc: 194.55 ppb



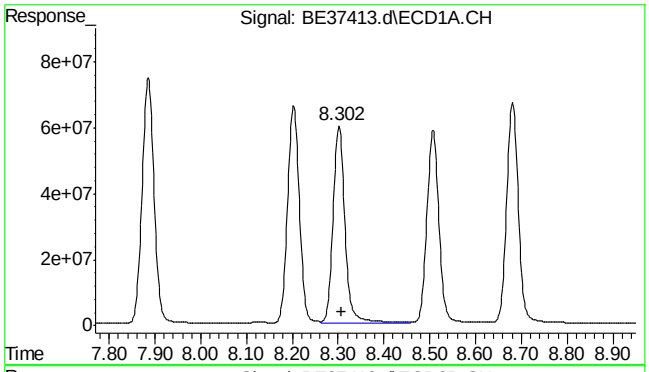
#16 Endrin

R.T.: 8.203 min
Delta R.T.: -0.005 min
Response: 1189031595
Conc: 208.29 ppb



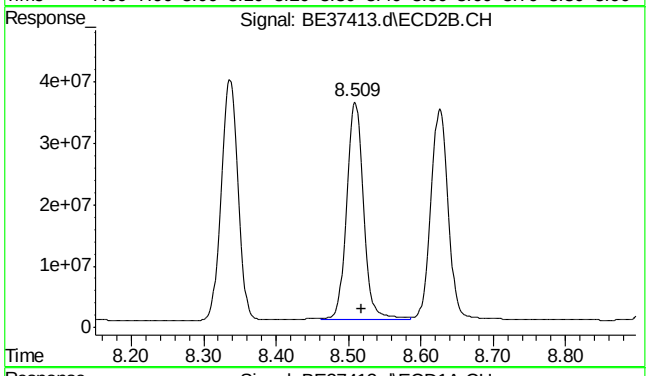
#16 Endrin

R.T.: 8.337 min
Delta R.T.: -0.009 min
Response: 628226928
Conc: 209.74 ppb



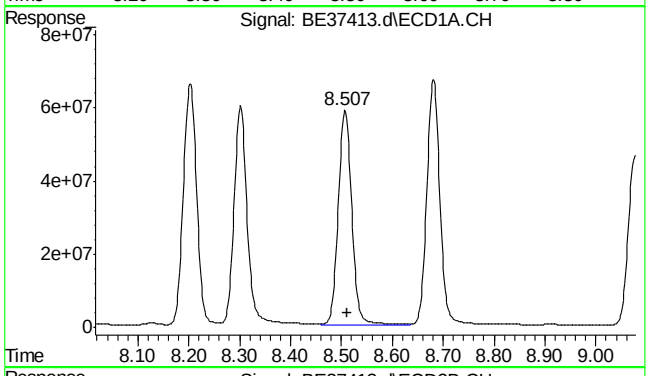
#17 4,4'-DDD

R.T.: 8.302 min
Delta R.T.: -0.004 min
Response: 1083940475
Conc: 221.89 ppb



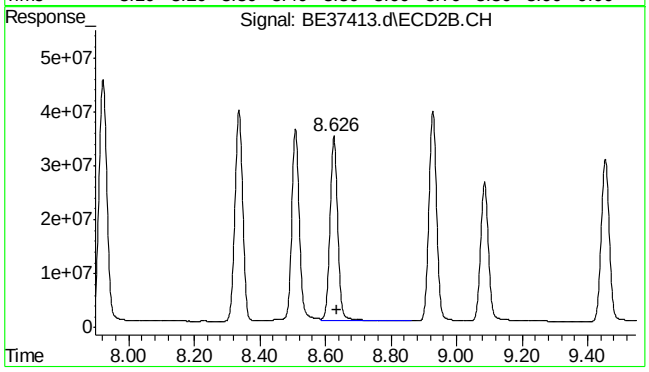
#17 4,4'-DDD

R.T.: 8.509 min
Delta R.T.: -0.009 min
Response: 578524334
Conc: 219.31 ppb m



#18 Endosulfan-II

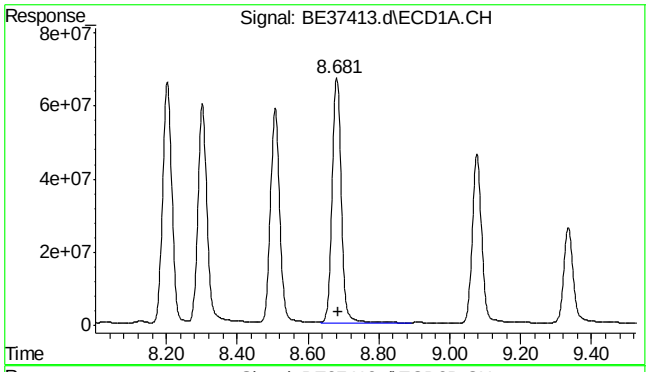
R.T.: 8.508 min
Delta R.T.: -0.005 min
Response: 1073175313
Conc: 194.43 ppb



#18 Endosulfan-II

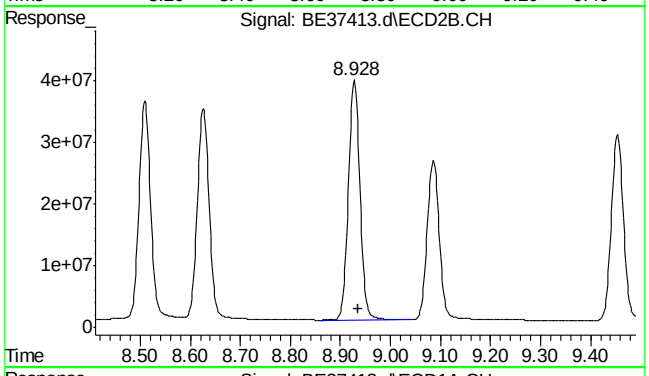
R.T.: 8.627 min
Delta R.T.: -0.009 min
Response: 588707269
Conc: 188.49 ppb

11.6.4
11



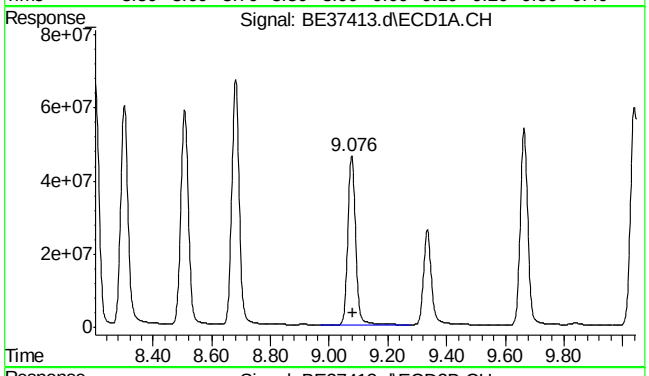
#19 4,4'-DDT

R.T.: 8.681 min
Delta R.T.: -0.003 min
Response: 1194905081
Conc: 233.44 ppb



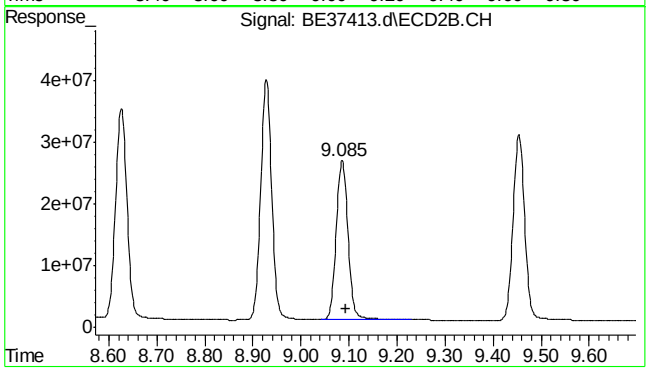
#19 4,4'-DDT

R.T.: 8.928 min
Delta R.T.: -0.008 min
Response: 621948836
Conc: 219.84 ppb



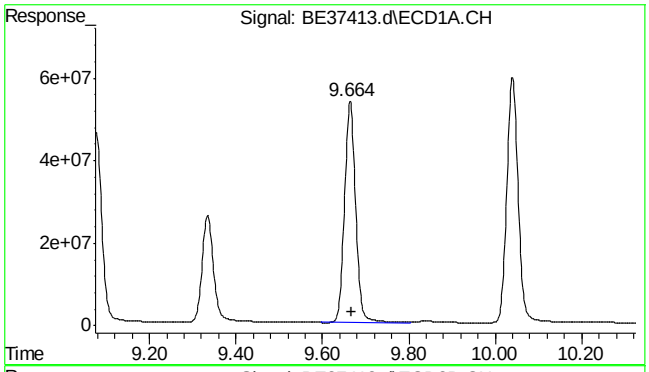
#20 Endrin Aldehyde

R.T.: 9.077 min
Delta R.T.: -0.005 min
Response: 856379094
Conc: 188.62 ppb



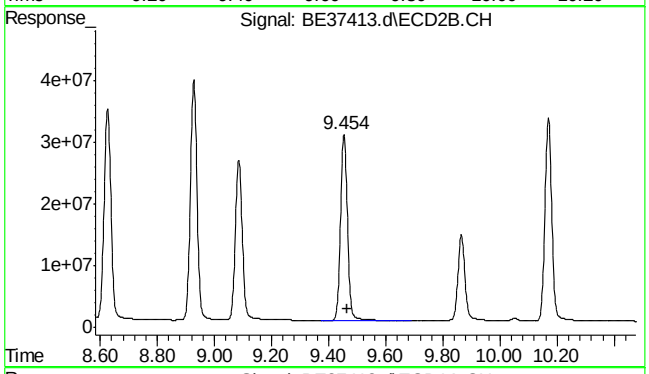
#20 Endrin Aldehyde

R.T.: 9.086 min
Delta R.T.: -0.009 min
Response: 445128825
Conc: 181.53 ppb



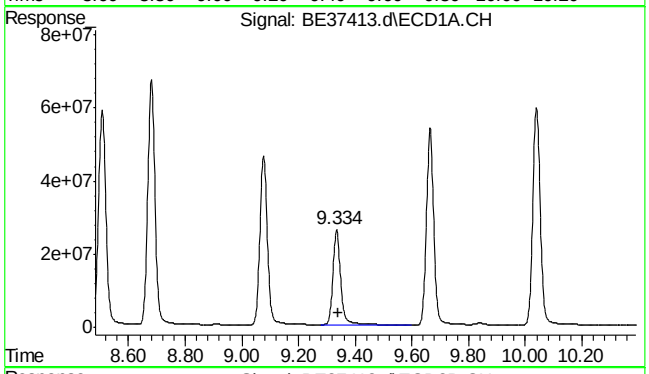
#21 Endosulfan Sulfate

R.T.: 9.665 min
Delta R.T.: -0.004 min
Response: 958764287
Conc: 189.35 ppb



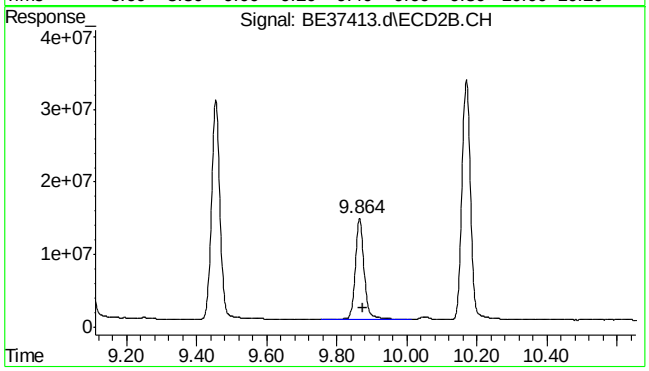
#21 Endosulfan Sulfate

R.T.: 9.454 min
Delta R.T.: -0.009 min
Response: 511252954
Conc: 175.63 ppb



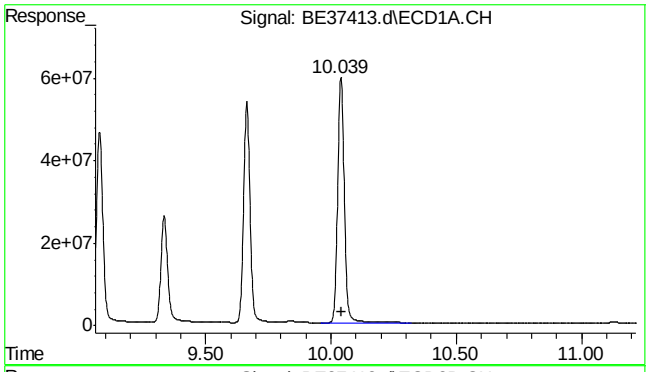
#22 Methoxychlor

R.T.: 9.335 min
Delta R.T.: -0.003 min
Response: 495259658
Conc: 251.94 ppb



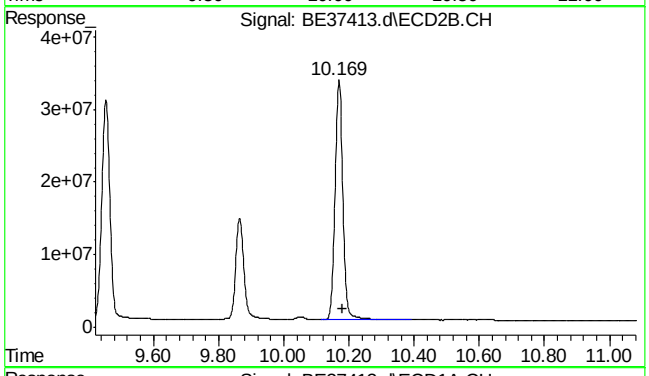
#22 Methoxychlor

R.T.: 9.865 min
Delta R.T.: -0.008 min
Response: 244652206
Conc: 310.13 ppb



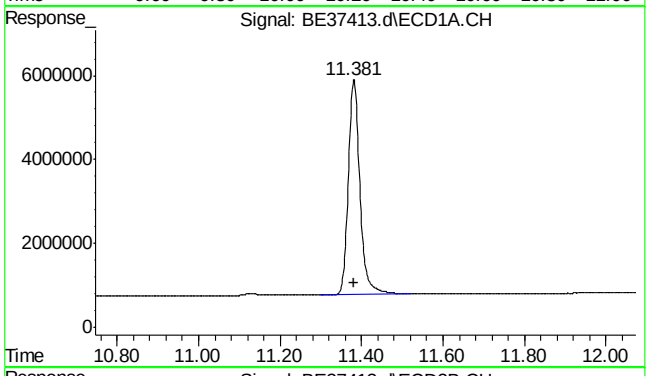
#23 Endrin Ketone

R.T.: 10.040 min
Delta R.T.: -0.004 min
Response: 1095033504
Conc: 178.70 ppb



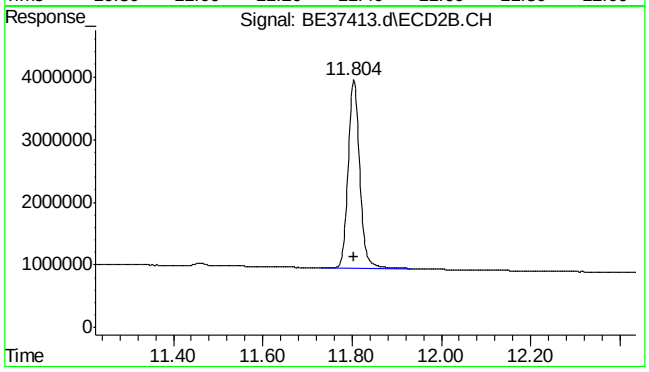
#23 Endrin Ketone

R.T.: 10.170 min
Delta R.T.: -0.009 min
Response: 559804900
Conc: 164.80 ppb



#38 DCB

R.T.: 11.382 min
Delta R.T.: 0.000 min
Response: 100361551
Conc: 27.02 ppb



#38 DCB

R.T.: 11.804 min
Delta R.T.: 0.000 min
Response: 53815756
Conc: 27.53 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37414.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 15:37:49
Operator : andrip
Sample : ic1943-250,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 80 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 16:01:45 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 16:00:57 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
1) s	TCMX	3.638	3.596	134.4E6	85641404	29.015m	31.167	
	Spiked Amount 40.000			Recovery	=	72.54%	77.92%	
38) s	DCB	11.382	11.804	89033521	47656164	25.880m	26.223m	
	Spiked Amount 40.000			Recovery	=	64.70%	65.56%	
	Target Compounds							
2)	Hexachlor...	4.241	4.318	1005.2E6	587.8E6	116.124	130.334	
3)	Alpha-BHC	4.500	4.544	1171.6E6	708.7E6	114.922	133.165	
4)	Gamma-BHC	4.984	5.086	1033.4E6	625.9E6	115.200	135.301	
5)	Beta-BHC	5.116	5.220	408.9E6	245.6E6	116.141	137.870	
6)	Heptachlor	5.694	5.725	853.5E6	489.0E6	111.985	125.956	
7)	Delta-BHC	5.381	5.653	1004.2E6	601.0E6	119.171	139.403	
8)	Alachlor	6.359	6.081	580.6E6	282.4E6	896.456	833.689	
9)	Aldrin	6.134	6.188	886.7E6	504.7E6	107.676	119.685	
10)	Heptachlo...	7.005	7.007	693.6E6	393.4E6	103.760	152.773	#
11)	Gamma-Chl...	7.179	7.268	814.3E6	444.2E6	106.898	118.585	
12)	Alpha-Chl...	7.366	7.472	763.4E6	416.1E6	147.678	116.074	
13)	Endosulfan-I	7.554	7.545	654.1E6	358.6E6	101.052	109.813	
14)	4,4'-DDE	7.483	7.723	697.4E6	396.8E6	129.107	125.868	
15)	Dieldrin	7.885	7.922	709.2E6	401.9E6	118.983	111.585	
16)	Endrin	8.204	8.336	625.3E6	344.1E6	117.344	120.808	
17)	4,4'-DDD	8.302	8.508	558.2E6	305.4E6	124.090	123.433m	
18)	Endosulfa...	8.507	8.626	567.4E6	322.1E6	111.062	110.143	
19)	4,4'-DDT	8.681	8.928	606.2E6	322.3E6	129.732	121.888	
20)	Endrin Al...	9.078	9.086	442.9E6	246.8E6	105.892	106.692	
21)	Endosulfa...	9.664	9.454	493.2E6	280.6E6	105.936	102.595	
22)	Methoxychlor	9.335	9.865	253.8E6	134.8E6	139.181	180.959	#
23)	Endrin Ke...	10.041	10.170	558.6E6	305.4E6	99.369	95.824	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

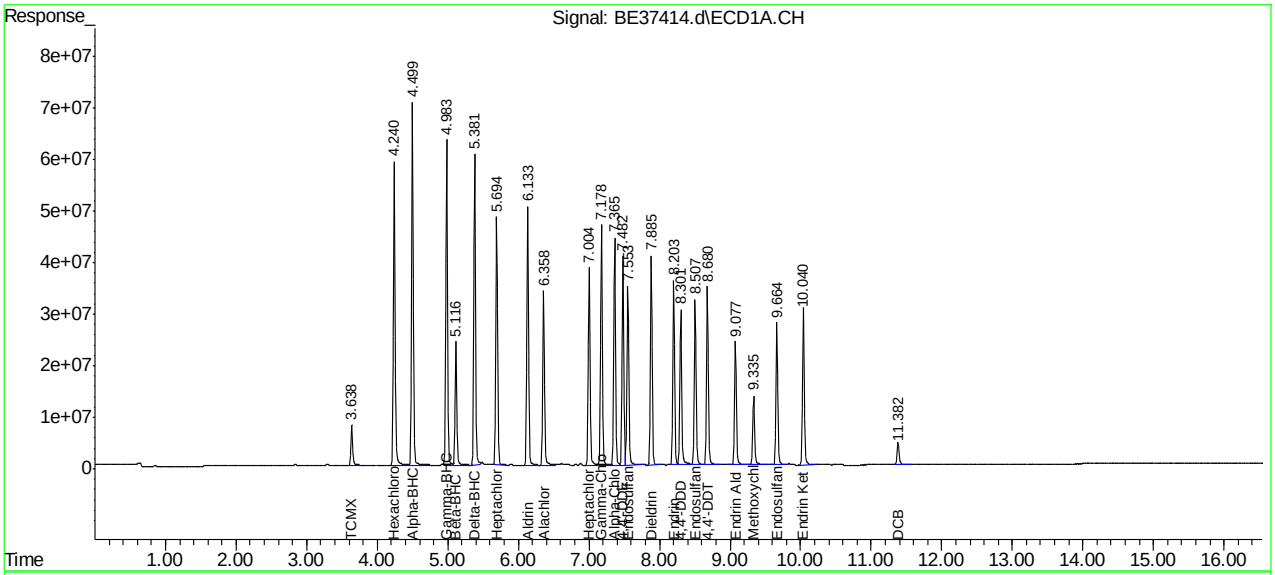
11.6.5
11

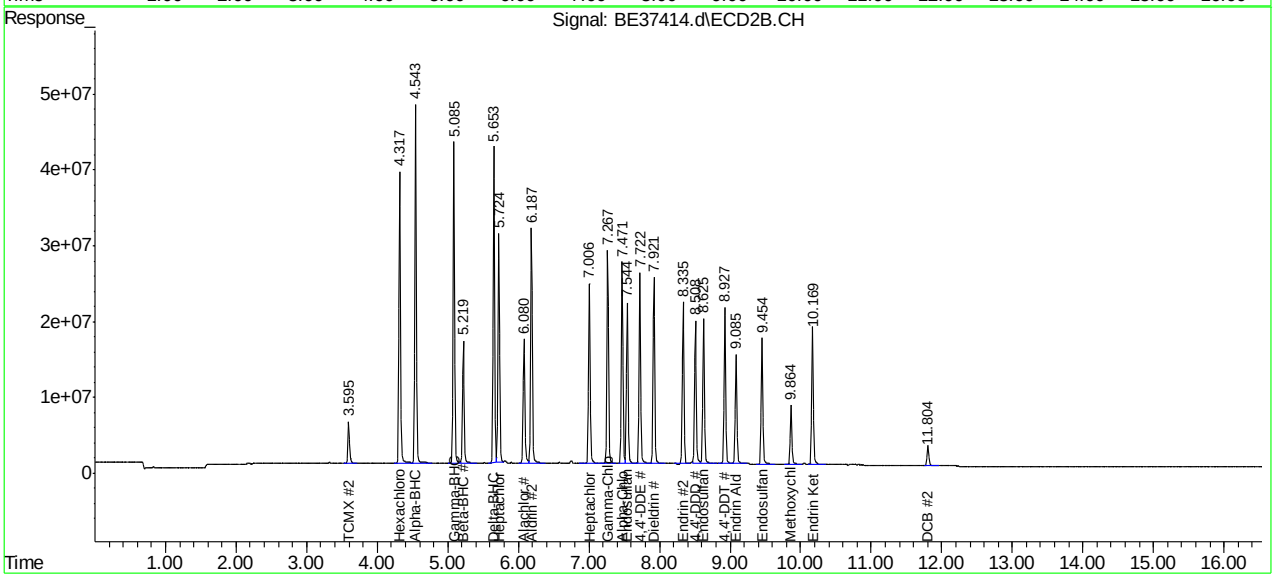
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37414.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 15:37:49
Operator : andrip
Sample : ic1943-250,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 80 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

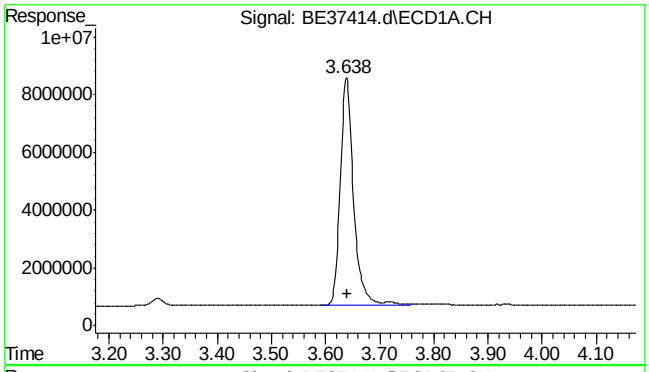
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 16:01:45 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 16:00:57 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



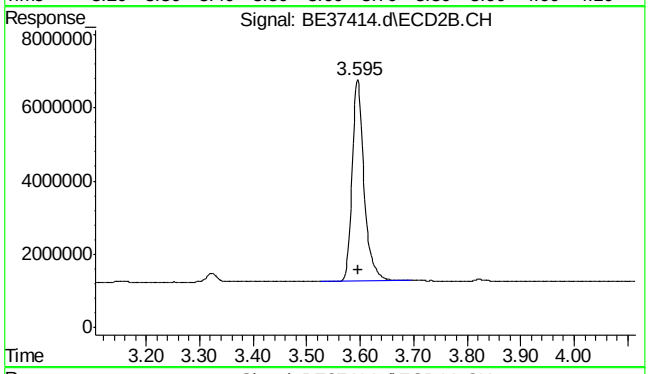


ACCUTEST LABORATORIES MC23272



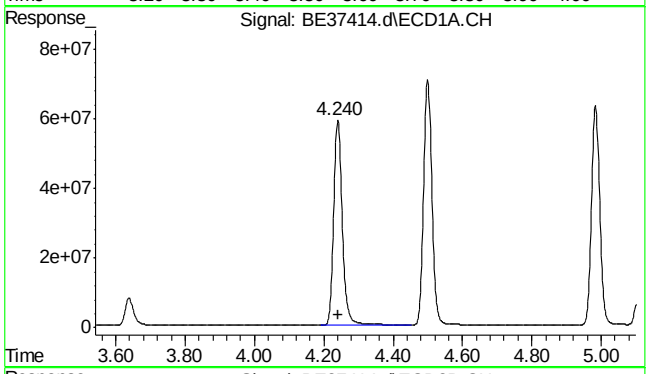
#1 TCMX

R.T.: 3.638 min
Delta R.T.: -0.002 min
Response: 134394882
Conc: 29.02 ppb m



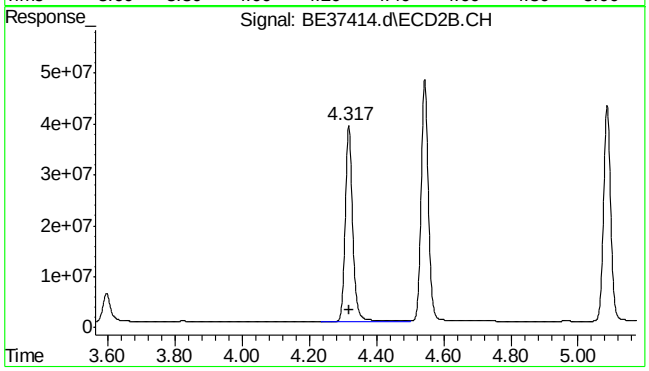
#1 TCMX

R.T.: 3.596 min
Delta R.T.: 0.000 min
Response: 85641404
Conc: 31.17 ppb



#2 Hexachlorobenzene

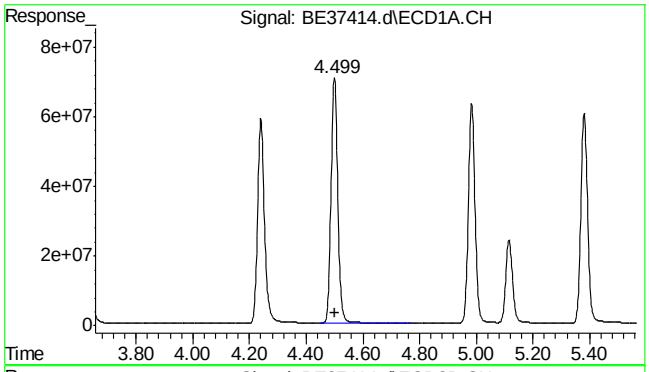
R.T.: 4.241 min
Delta R.T.: 0.000 min
Response: 1005152100
Conc: 116.12 ppb



#2 Hexachlorobenzene

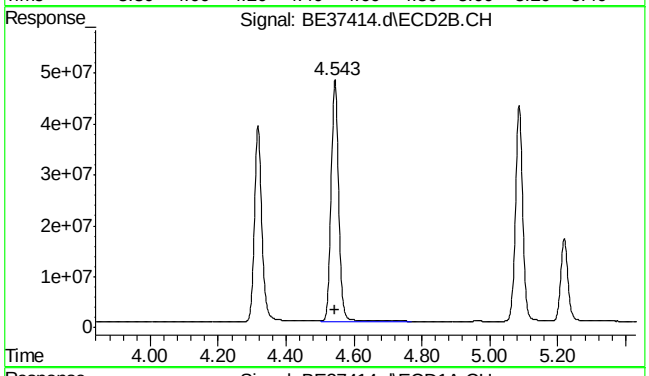
R.T.: 4.318 min
Delta R.T.: -0.001 min
Response: 587761625
Conc: 130.33 ppb

11.6.5 11



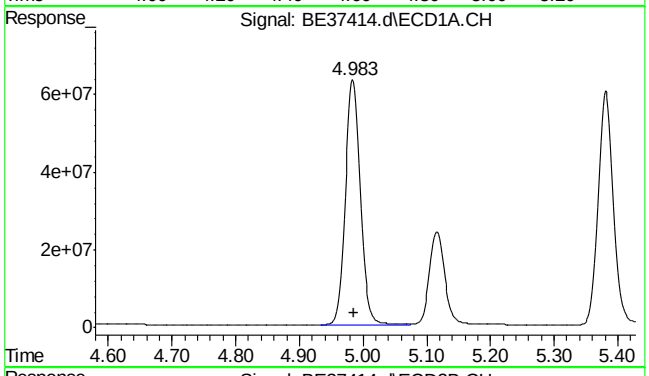
#3 Alpha-BHC

R.T.: 4.500 min
Delta R.T.: -0.001 min
Response: 1171614064
Conc: 114.92 ppb



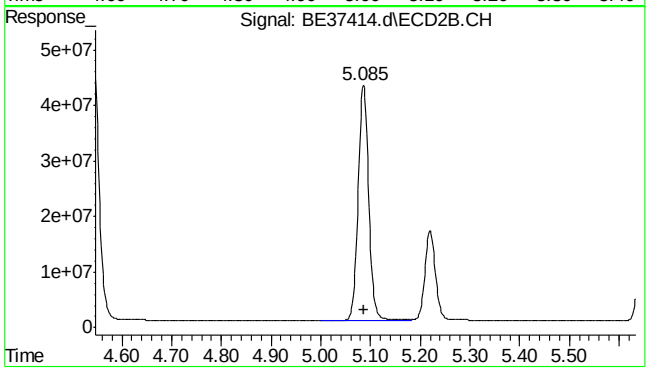
#3 Alpha-BHC

R.T.: 4.544 min
Delta R.T.: -0.002 min
Response: 708724804
Conc: 133.16 ppb



#4 Gamma-BHC

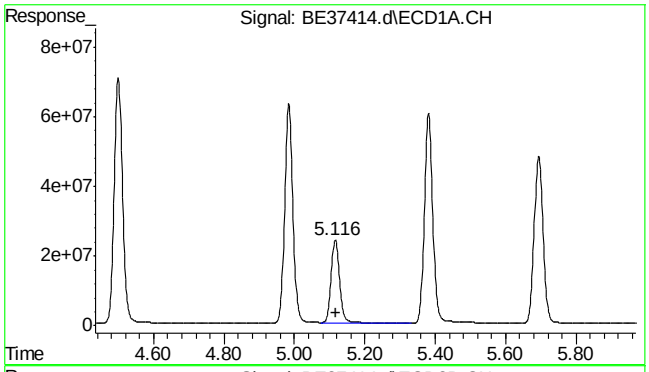
R.T.: 4.984 min
Delta R.T.: -0.002 min
Response: 1033374389
Conc: 115.20 ppb



#4 Gamma-BHC

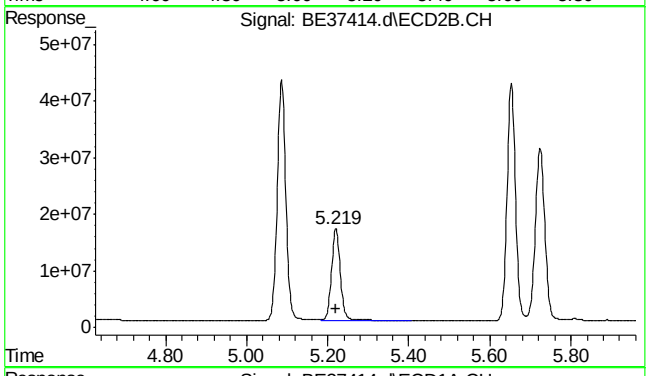
R.T.: 5.086 min
Delta R.T.: -0.001 min
Response: 625948567
Conc: 135.30 ppb

11.6.5 11



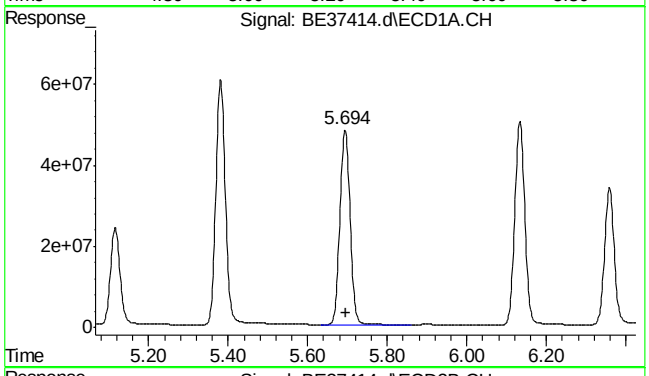
#5 Beta-BHC

R.T.: 5.116 min
Delta R.T.: -0.001 min
Response: 408902759
Conc: 116.14 ppb



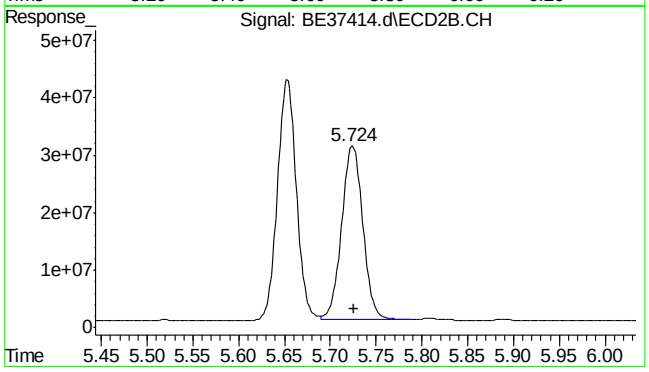
#5 Beta-BHC

R.T.: 5.220 min
Delta R.T.: 0.000 min
Response: 245633097
Conc: 137.87 ppb



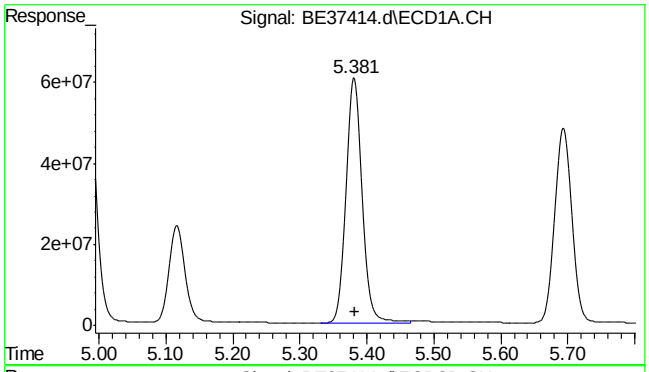
#6 Heptachlor

R.T.: 5.694 min
Delta R.T.: -0.001 min
Response: 853495129
Conc: 111.99 ppb



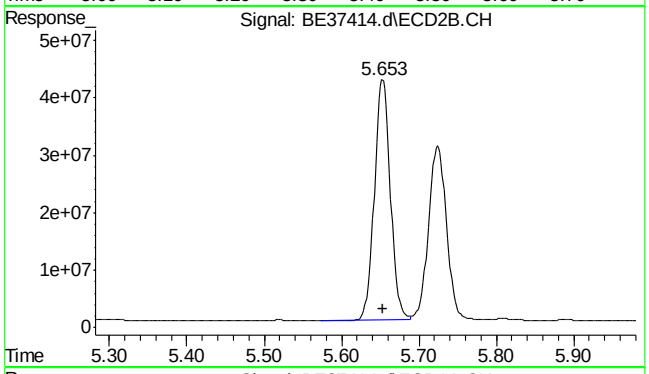
#6 Heptachlor

R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 488977324
Conc: 125.96 ppb



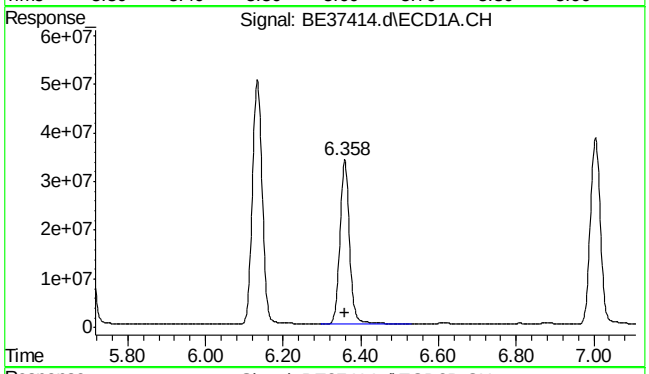
#7 Delta-BHC

R.T.: 5.381 min
Delta R.T.: -0.001 min
Response: 1004244341
Conc: 119.17 ppb



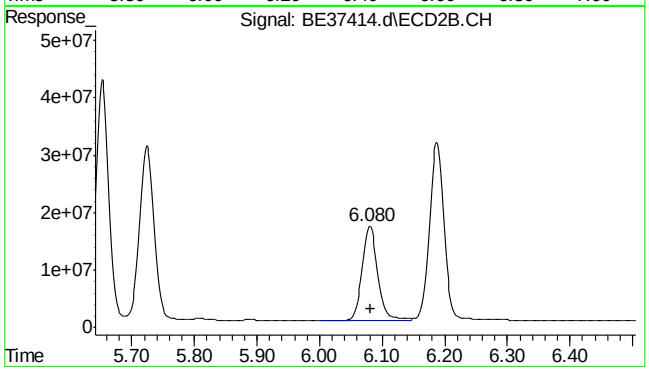
#7 Delta-BHC

R.T.: 5.653 min
Delta R.T.: 0.000 min
Response: 600983374
Conc: 139.40 ppb



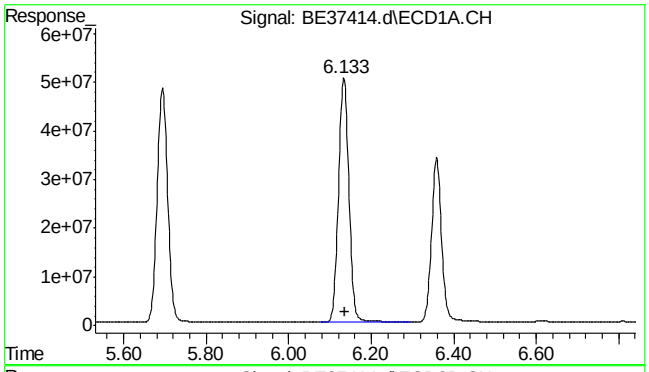
#8 Alachlor

R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 580627361
Conc: 896.46 ppb



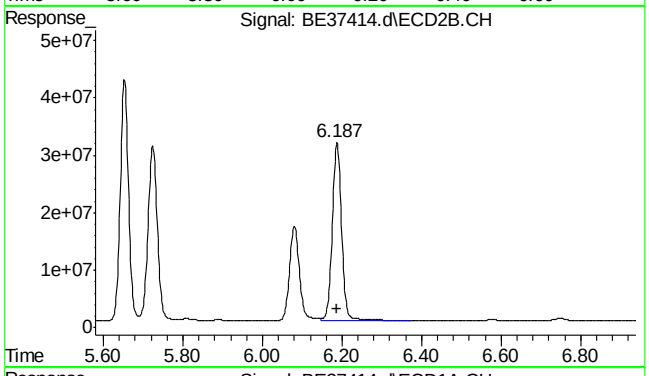
#8 Alachlor

R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 282433736
Conc: 833.69 ppb



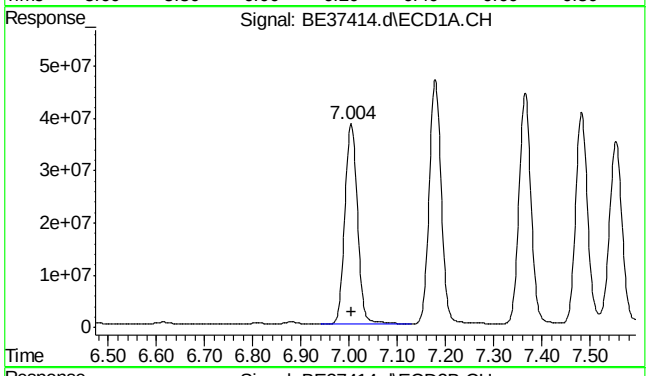
#9 Aldrin

R.T.: 6.134 min
Delta R.T.: -0.001 min
Response: 886678674
Conc: 107.68 ppb



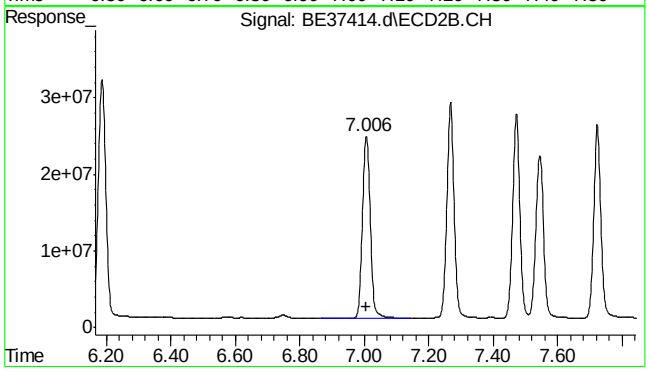
#9 Aldrin

R.T.: 6.188 min
Delta R.T.: 0.000 min
Response: 504730299
Conc: 119.68 ppb



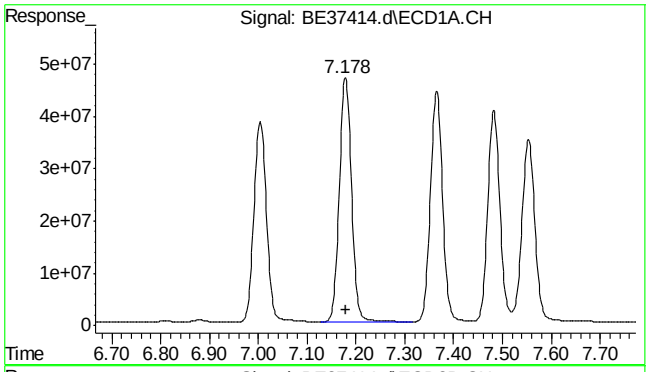
#10 Heptachlor Epoxide

R.T.: 7.005 min
Delta R.T.: 0.000 min
Response: 693595482
Conc: 103.76 ppb



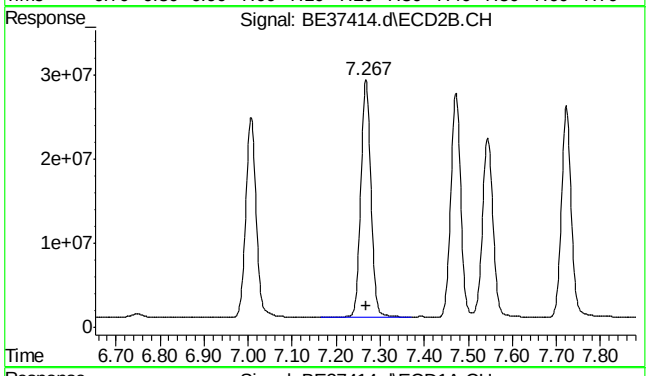
#10 Heptachlor Epoxide

R.T.: 7.007 min
Delta R.T.: 0.000 min
Response: 393435565
Conc: 152.77 ppb



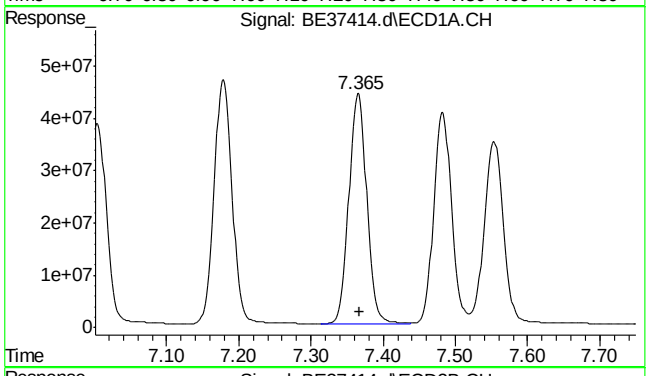
#11 Gamma-Chlordane

R.T.: 7.179 min
Delta R.T.: -0.001 min
Response: 814289930
Conc: 106.90 ppb



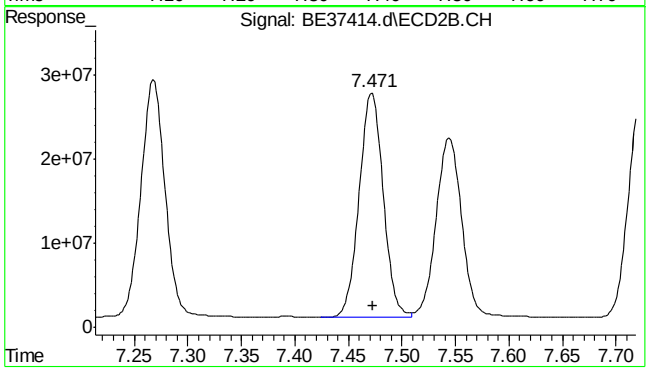
#11 Gamma-Chlordane

R.T.: 7.268 min
Delta R.T.: 0.000 min
Response: 444233606
Conc: 118.58 ppb



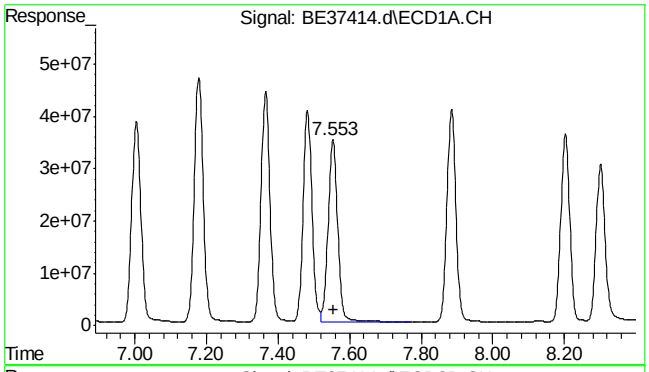
#12 Alpha-Chlordane

R.T.: 7.366 min
Delta R.T.: -0.001 min
Response: 763383610
Conc: 147.68 ppb



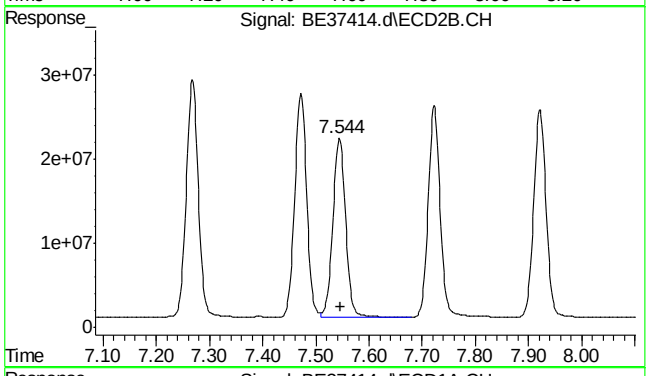
#12 Alpha-Chlordane

R.T.: 7.472 min
Delta R.T.: 0.000 min
Response: 416066973
Conc: 116.07 ppb



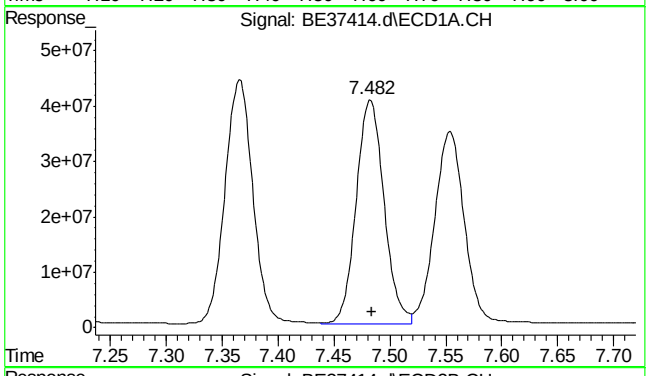
#13 Endosulfan-I

R.T.: 7.554 min
Delta R.T.: 0.000 min
Response: 654066546
Conc: 101.05 ppb



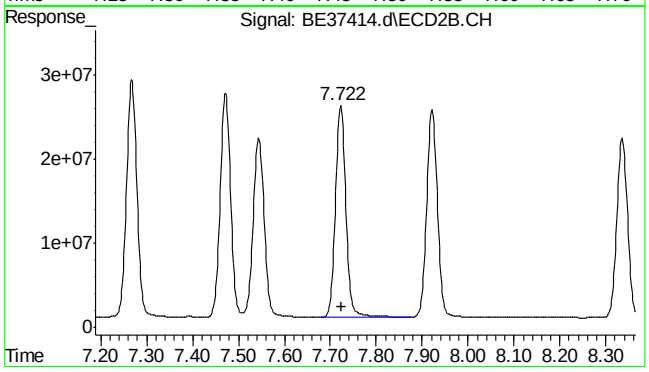
#13 Endosulfan-I

R.T.: 7.545 min
Delta R.T.: 0.000 min
Response: 358641859
Conc: 109.81 ppb



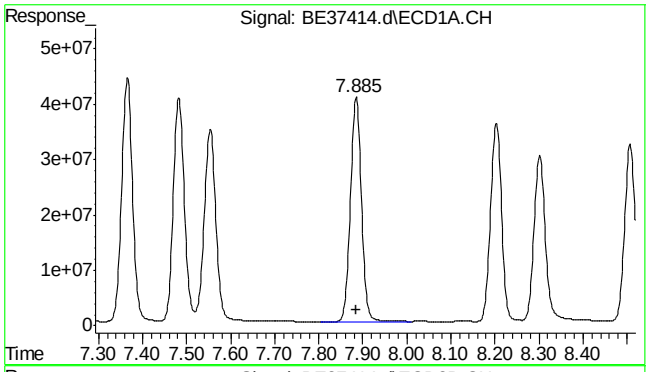
#14 4,4'-DDE

R.T.: 7.483 min
Delta R.T.: -0.001 min
Response: 697399102
Conc: 129.11 ppb



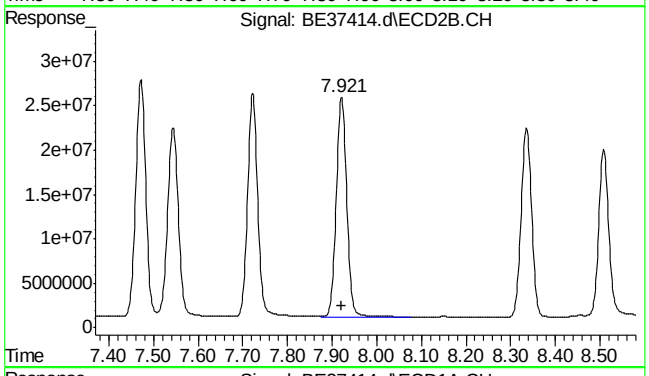
#14 4,4'-DDE

R.T.: 7.723 min
Delta R.T.: 0.000 min
Response: 396752152
Conc: 125.87 ppb



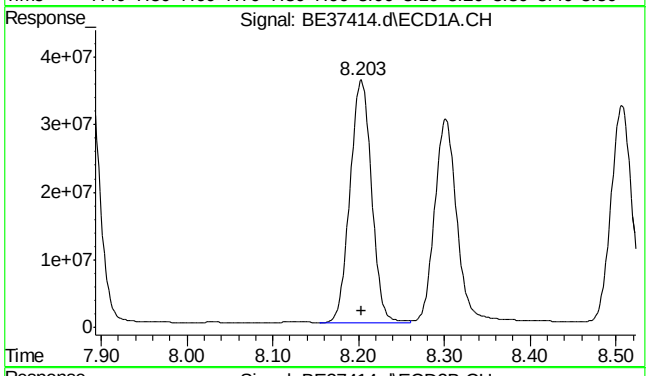
#15 Dieldrin

R.T.: 7.885 min
Delta R.T.: 0.000 min
Response: 709166261
Conc: 118.98 ppb



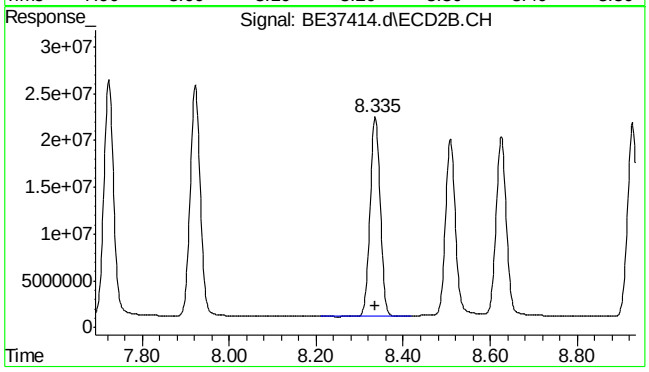
#15 Dieldrin

R.T.: 7.922 min
Delta R.T.: 0.000 min
Response: 401943272
Conc: 111.59 ppb



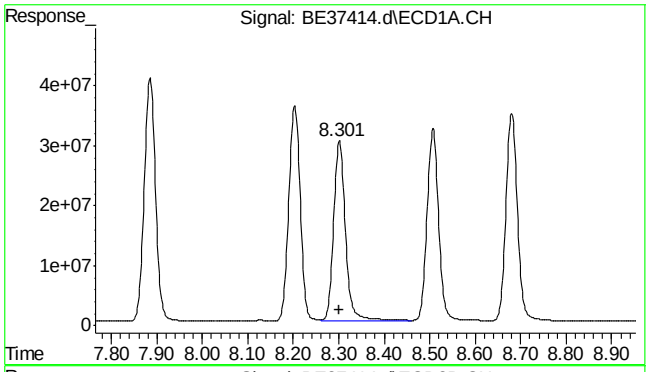
#16 Endrin

R.T.: 8.204 min
Delta R.T.: 0.000 min
Response: 625342842
Conc: 117.34 ppb



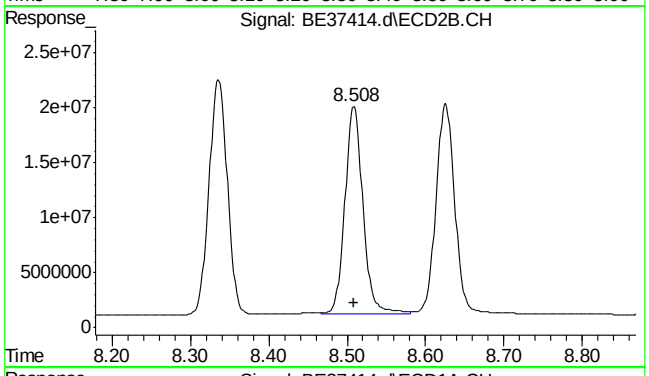
#16 Endrin

R.T.: 8.336 min
Delta R.T.: 0.000 min
Response: 344132641
Conc: 120.81 ppb



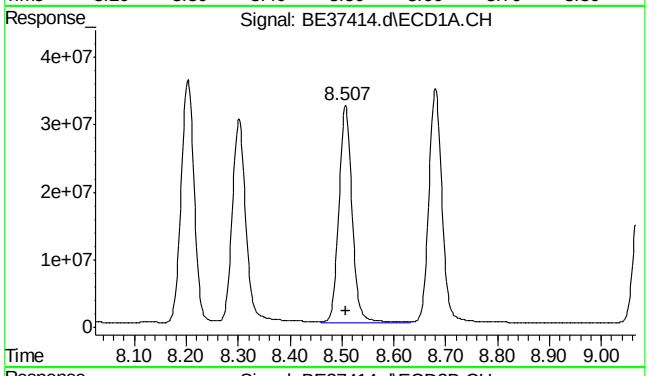
#17 4,4'-DDD

R.T.: 8.302 min
Delta R.T.: 0.000 min
Response: 558238941
Conc: 124.09 ppb



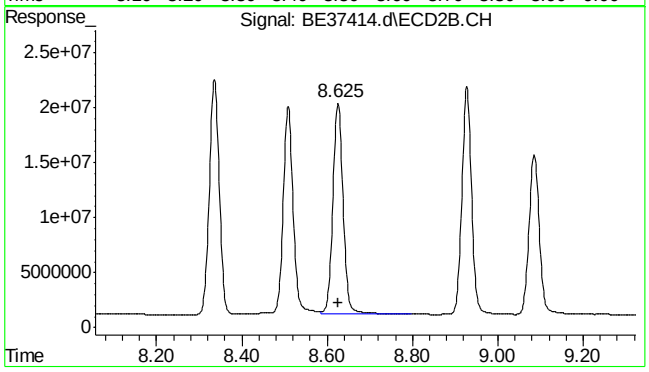
#17 4,4'-DDD

R.T.: 8.508 min
Delta R.T.: 0.000 min
Response: 305382072
Conc: 123.43 ppb m



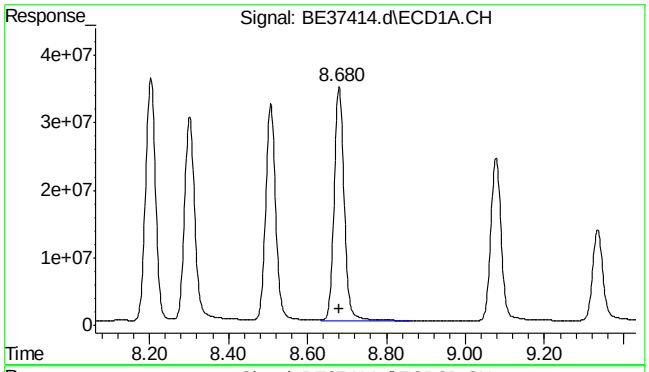
#18 Endosulfan-II

R.T.: 8.507 min
Delta R.T.: 0.000 min
Response: 567437242
Conc: 111.06 ppb



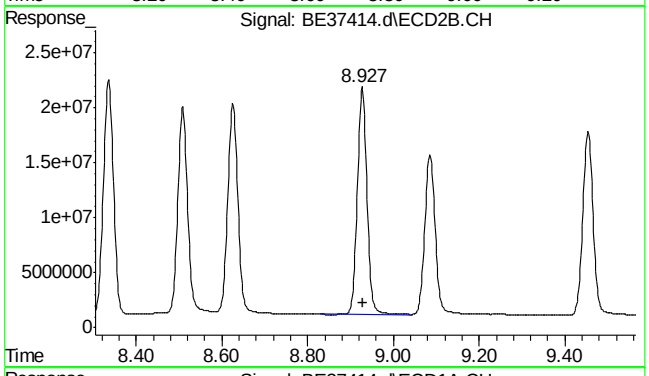
#18 Endosulfan-II

R.T.: 8.626 min
Delta R.T.: 0.000 min
Response: 322136442
Conc: 110.14 ppb



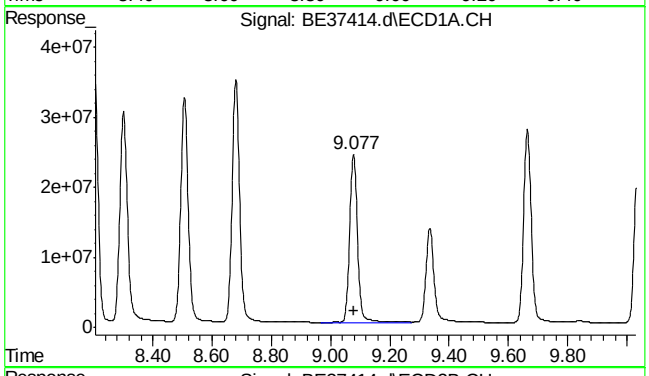
#19 4,4'-DDT

R.T.: 8.681 min
Delta R.T.: 0.000 min
Response: 606225477
Conc: 129.73 ppb



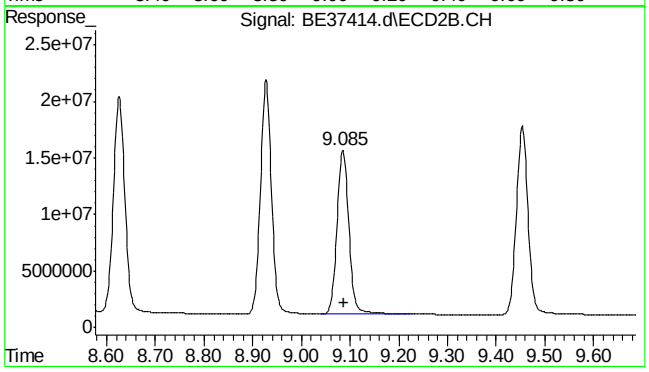
#19 4,4'-DDT

R.T.: 8.928 min
Delta R.T.: 0.000 min
Response: 322266300
Conc: 121.89 ppb



#20 Endrin Aldehyde

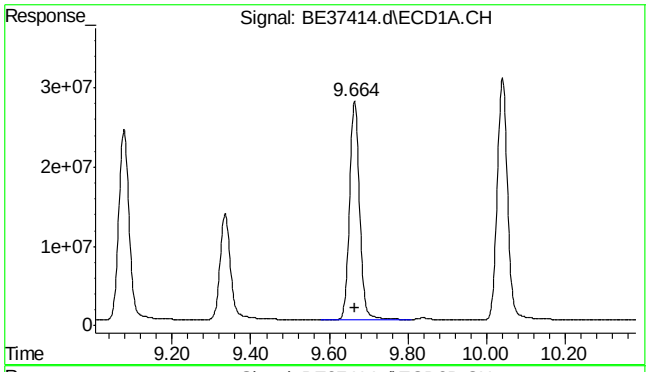
R.T.: 9.078 min
Delta R.T.: 0.000 min
Response: 442941181
Conc: 105.89 ppb



#20 Endrin Aldehyde

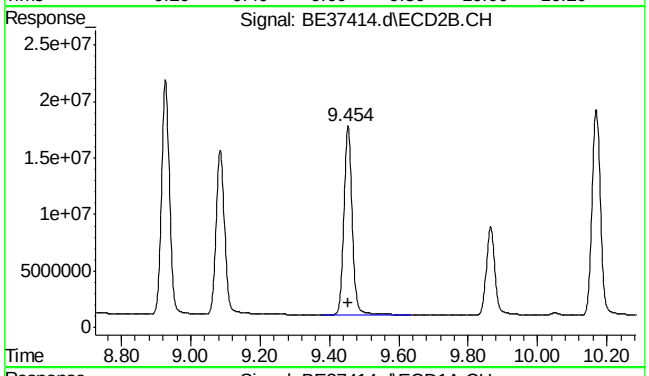
R.T.: 9.086 min
Delta R.T.: 0.000 min
Response: 246769968
Conc: 106.69 ppb

11.6.5 11



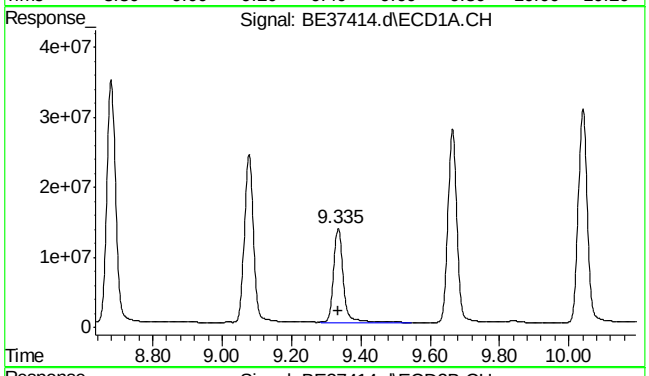
#21 Endosulfan Sulfate

R.T.: 9.664 min
Delta R.T.: 0.000 min
Response: 493204079
Conc: 105.94 ppb



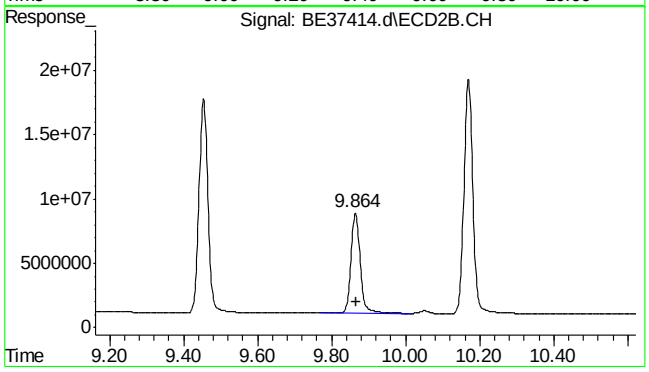
#21 Endosulfan Sulfate

R.T.: 9.454 min
Delta R.T.: 0.000 min
Response: 280625233
Conc: 102.59 ppb



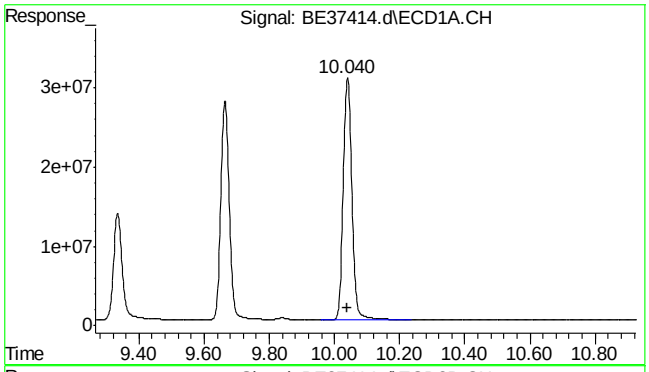
#22 Methoxychlor

R.T.: 9.335 min
Delta R.T.: 0.000 min
Response: 253765564
Conc: 139.18 ppb



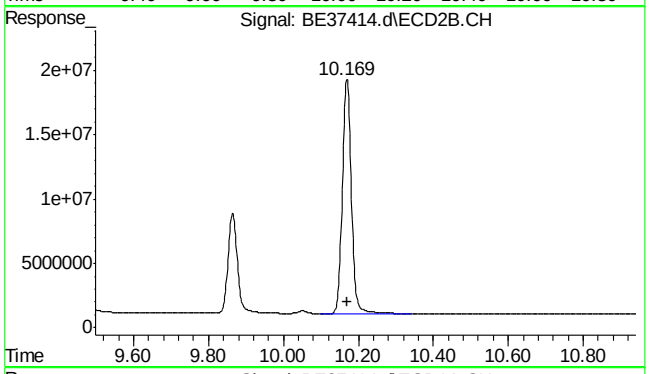
#22 Methoxychlor

R.T.: 9.865 min
Delta R.T.: 0.000 min
Response: 134781390
Conc: 180.96 ppb



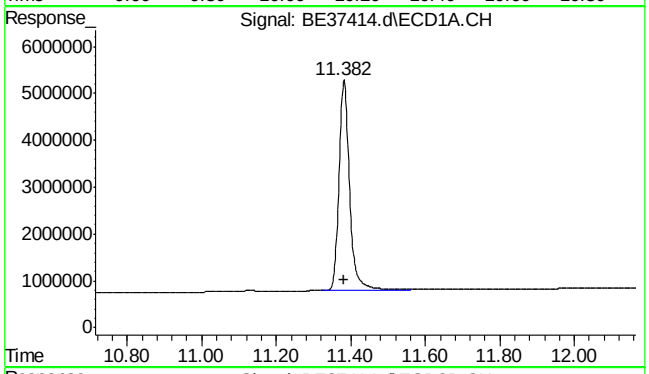
#23 Endrin Ketone

R.T.: 10.041 min
Delta R.T.: 0.000 min
Response: 558620389
Conc: 99.37 ppb



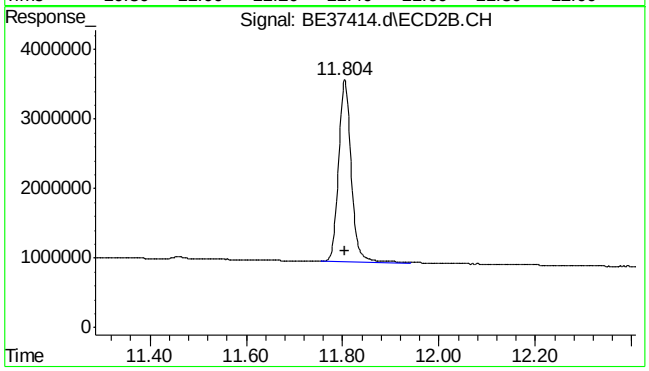
#23 Endrin Ketone

R.T.: 10.170 min
Delta R.T.: 0.000 min
Response: 305353858
Conc: 95.82 ppb



#38 DCB

R.T.: 11.382 min
Delta R.T.: 0.000 min
Response: 89033521
Conc: 25.88 ppb m



#38 DCB

R.T.: 11.804 min
Delta R.T.: 0.000 min
Response: 47656164
Conc: 26.22 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37415.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 15:59:13
Operator : andrip
Sample : icc1943-100,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 81 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:41:40 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:40:07 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
1) s	TCMX	3.638	3.596	145.6E6	93977235	34.528	36.361	
	Spiked Amount 40.000			Recovery	=	86.32%	90.90%	
38) s	DCB	11.381	11.804	96322671	52565154	30.477	31.430m	
	Spiked Amount 40.000			Recovery	=	76.19%	78.57%	
	Target Compounds							
2)	Hexachlor...	4.240	4.318	456.1E6	273.1E6	58.515	65.263	
3)	Alpha-BHC	4.499	4.543	523.3E6	321.4E6	57.672	65.715	
4)	Gamma-BHC	4.983	5.086	470.6E6	291.2E6	58.661	68.119	
5)	Beta-BHC	5.116	5.220	190.4E6	119.1E6	59.960	71.562	
6)	Heptachlor	5.694	5.724	417.0E6	243.8E6	59.818	66.862	
7)	Delta-BHC	5.381	5.653	456.1E6	282.8E6	60.187	70.444	
8)	Alachlor	6.358	6.081	279.4E6	157.5E6	470.828	494.774	
9)	Aldrin	6.134	6.187	418.5E6	245.0E6	56.314	62.803	
10)	Heptachlo...	7.004	7.007	345.9E6	195.6E6	56.816	81.722	#
11)	Gamma-Chl...	7.179	7.268	380.4E6	213.1E6	55.814	62.122	
12)	Alpha-Chl...	7.366	7.472	350.5E6	199.8E6	74.788	60.742	
13)	Endosulfan-I	7.553	7.545	320.6E6	183.0E6	55.152	60.454	
14)	4,4'-DDE	7.482	7.723	327.8E6	193.5E6	66.351	66.190	
15)	Dieldrin	7.884	7.922	343.0E6	201.2E6	64.502	60.449	
16)	Endrin	8.202	8.335	305.4E6	176.1E6	62.813	66.193m	
17)	4,4'-DDD	8.301	8.509	259.6E6	153.2E6	63.762	66.602	
18)	Endosulfa...	8.506	8.626	267.0E6	163.4E6	57.916	60.402	
19)	4,4'-DDT	8.680	8.927	286.4E6	157.7E6	68.563	64.740	
20)	Endrin Al...	9.077	9.085	217.1E6	129.5E6	57.671	60.269	
21)	Endosulfa...	9.663	9.453	240.9E6	144.2E6	57.686	57.154	
22)	Methoxychlor	9.334	9.864	126.6E6	71326589	76.281	101.519	#
23)	Endrin Ke...	10.039	10.169	270.6E6	156.2E6	53.900	53.377	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

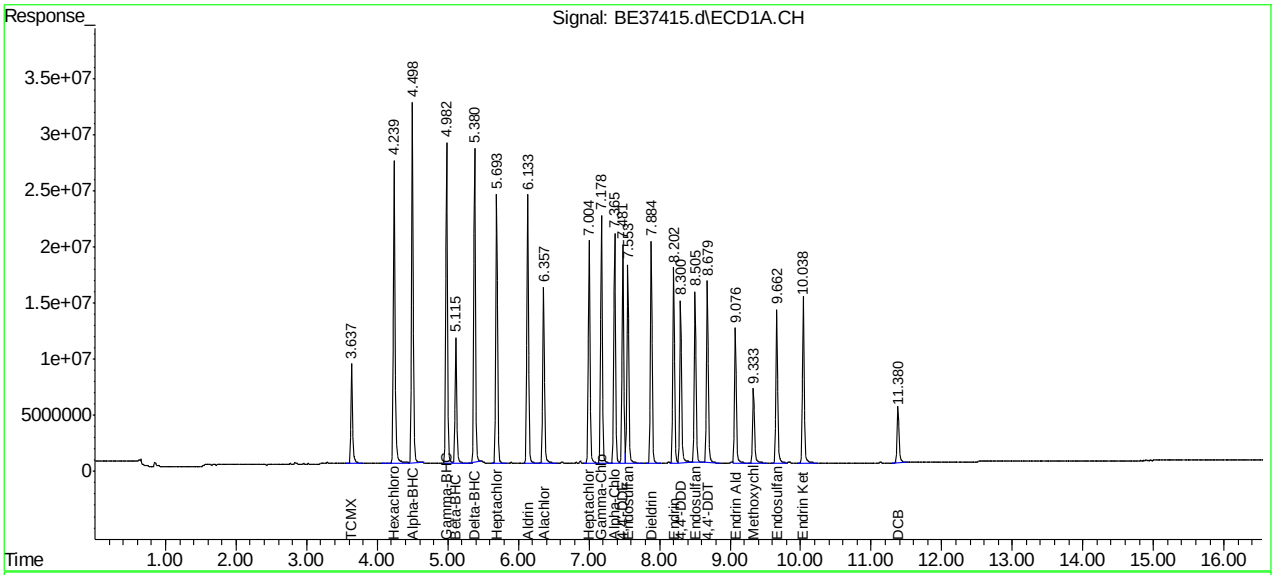
11.6.6 11

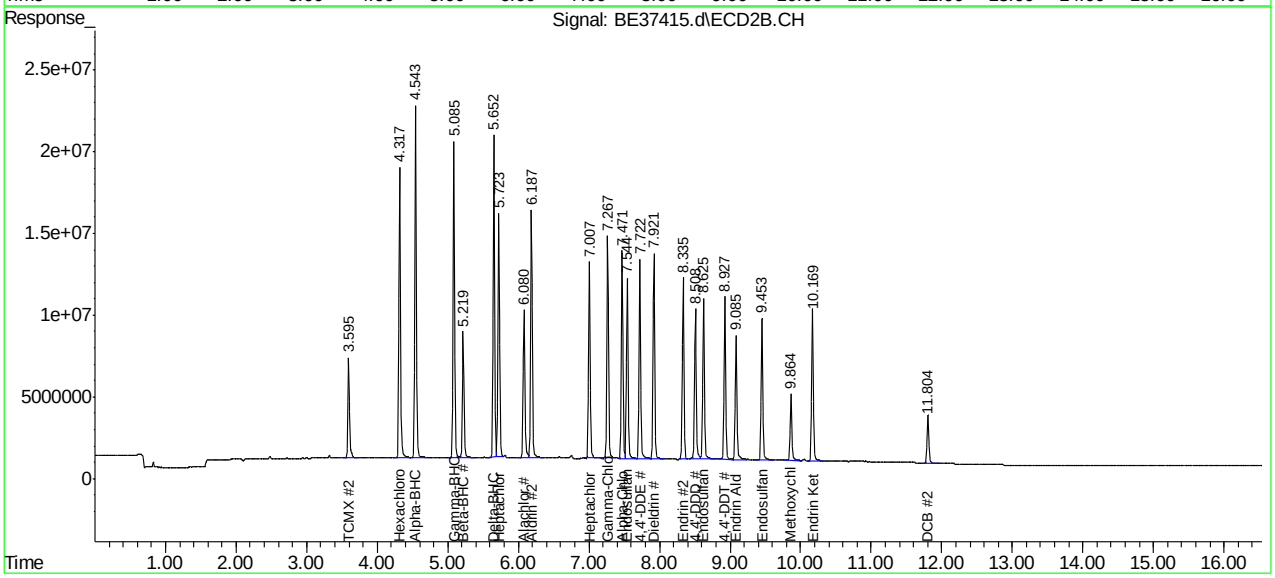
Quantitation Report (QT Reviewed)

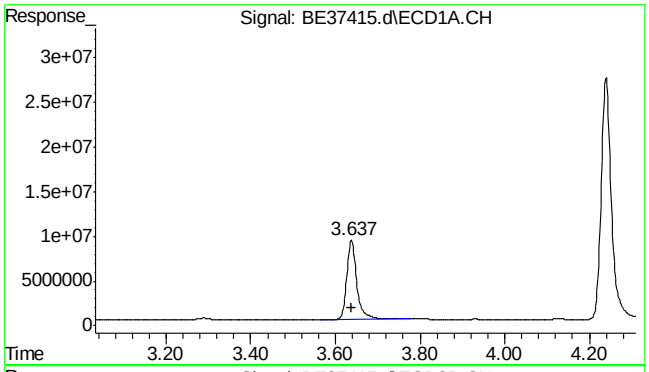
Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37415.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 15:59:13
Operator : andrip
Sample : icc1943-100,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 81 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:41:40 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:40:07 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

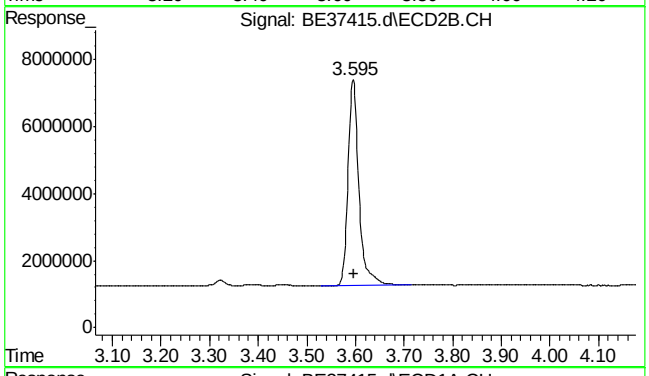






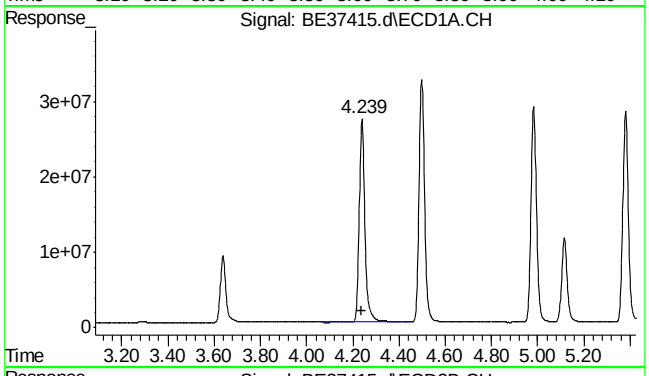
#1 TCMX

R.T.: 3.638 min
Delta R.T.: 0.000 min
Response: 145633577
Conc: 34.53 ppb



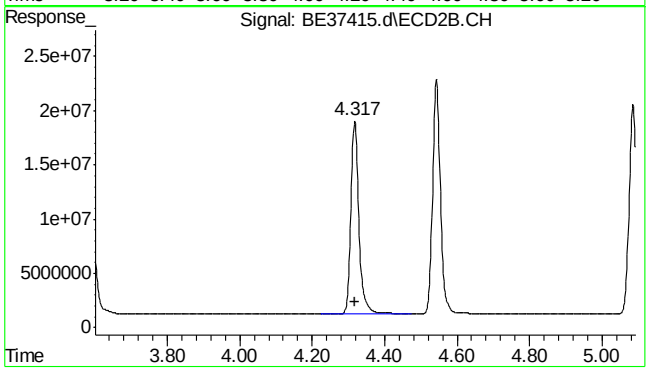
#1 TCMX

R.T.: 3.596 min
Delta R.T.: 0.000 min
Response: 93977235
Conc: 36.36 ppb



#2 Hexachlorobenzene

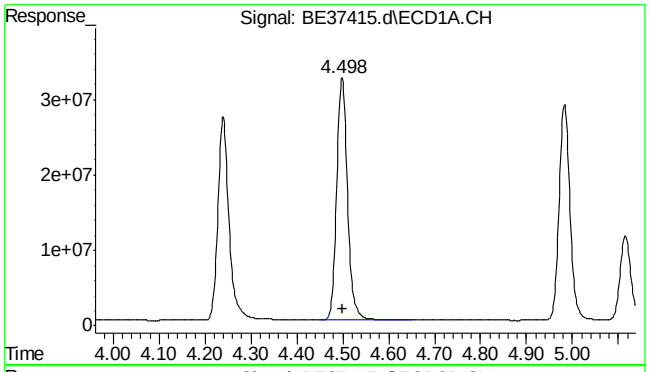
R.T.: 4.240 min
Delta R.T.: 0.000 min
Response: 456090226
Conc: 58.52 ppb



#2 Hexachlorobenzene

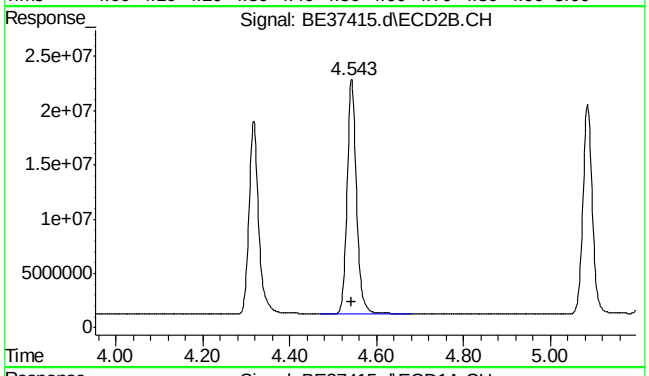
R.T.: 4.318 min
Delta R.T.: 0.000 min
Response: 273081979
Conc: 65.26 ppb

11.6.6 11



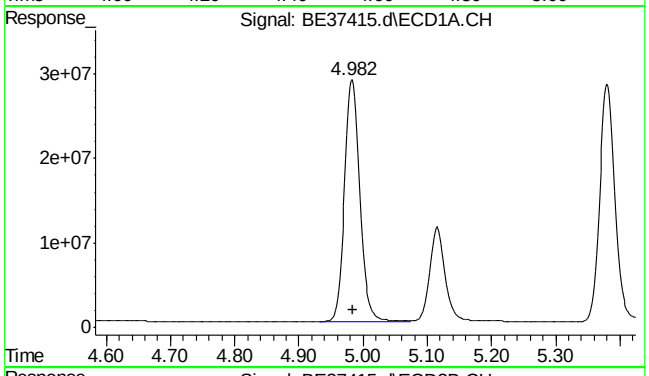
#3 Alpha-BHC

R.T.: 4.499 min
Delta R.T.: -0.002 min
Response: 523345665
Conc: 57.67 ppb



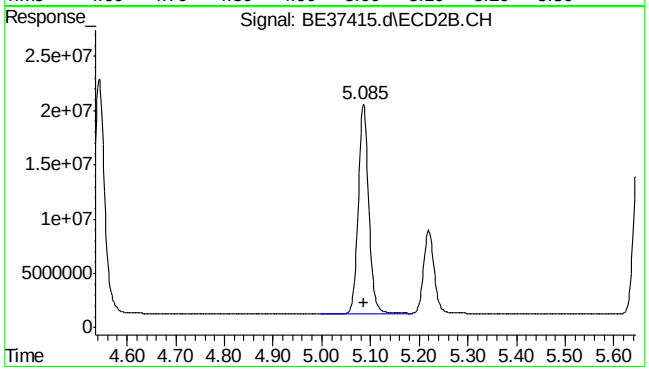
#3 Alpha-BHC

R.T.: 4.543 min
Delta R.T.: 0.000 min
Response: 321358539
Conc: 65.71 ppb



#4 Gamma-BHC

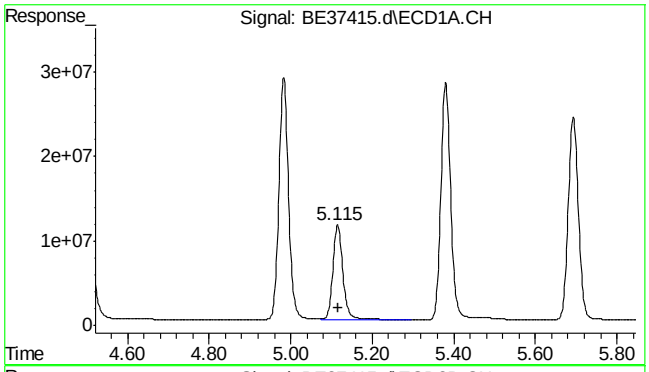
R.T.: 4.983 min
Delta R.T.: -0.001 min
Response: 470605206
Conc: 58.66 ppb



#4 Gamma-BHC

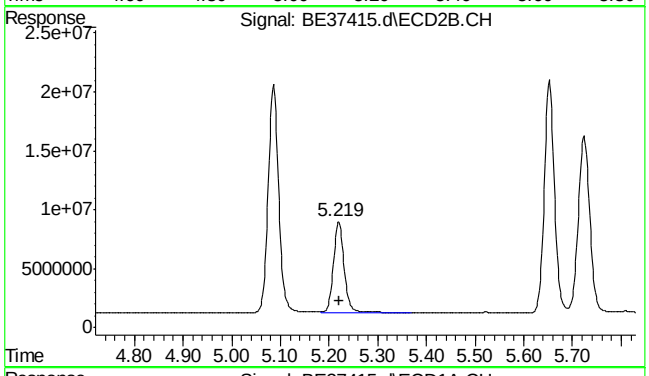
R.T.: 5.086 min
Delta R.T.: 0.000 min
Response: 291190374
Conc: 68.12 ppb

11.6.6 11



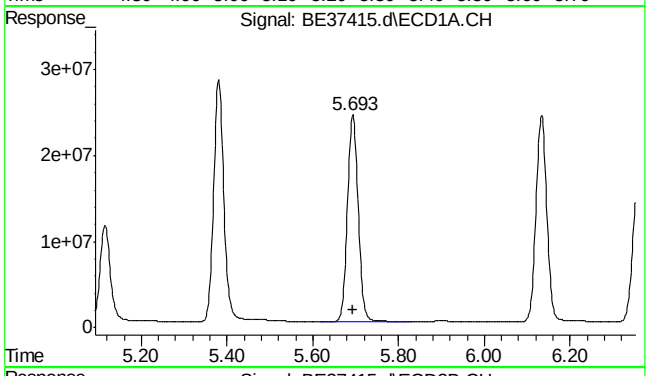
#5 Beta-BHC

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 190395057
Conc: 59.96 ppb



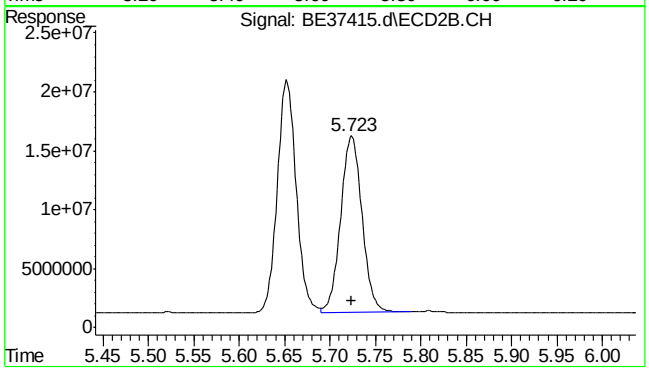
#5 Beta-BHC

R.T.: 5.220 min
Delta R.T.: 0.000 min
Response: 119090823
Conc: 71.56 ppb



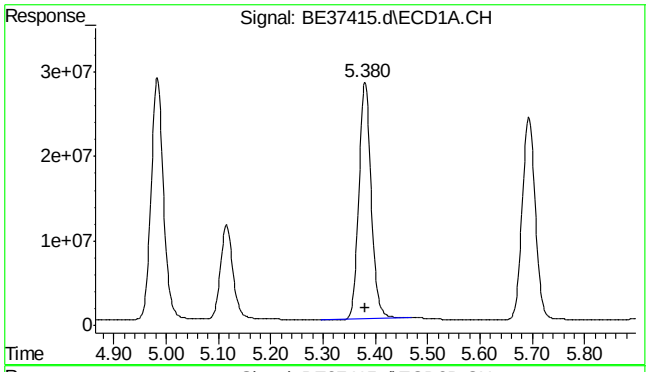
#6 Heptachlor

R.T.: 5.694 min
Delta R.T.: 0.000 min
Response: 417019995
Conc: 59.82 ppb



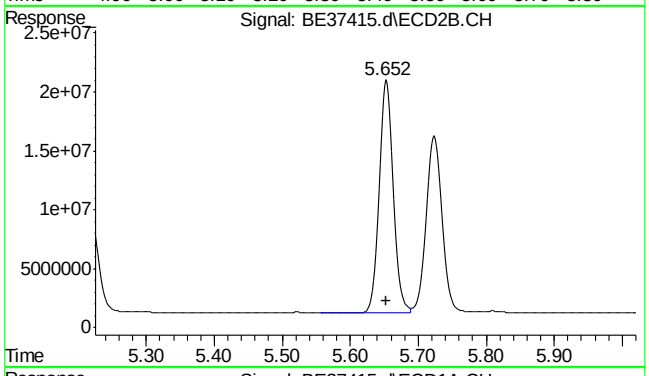
#6 Heptachlor

R.T.: 5.724 min
Delta R.T.: 0.000 min
Response: 243795247
Conc: 66.86 ppb



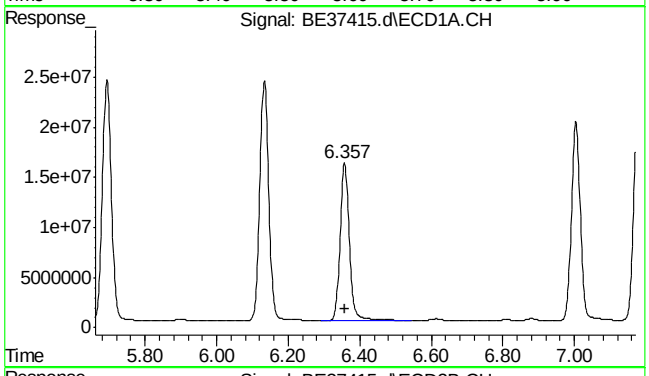
#7 Delta-BHC

R.T.: 5.381 min
Delta R.T.: 0.000 min
Response: 456074382
Conc: 60.19 ppb



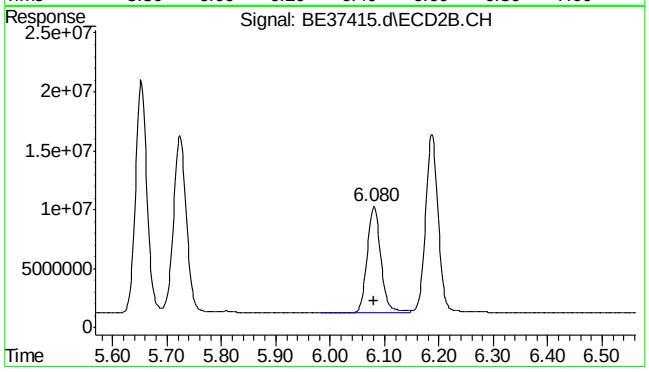
#7 Delta-BHC

R.T.: 5.653 min
Delta R.T.: 0.000 min
Response: 282781790
Conc: 70.44 ppb



#8 Alachlor

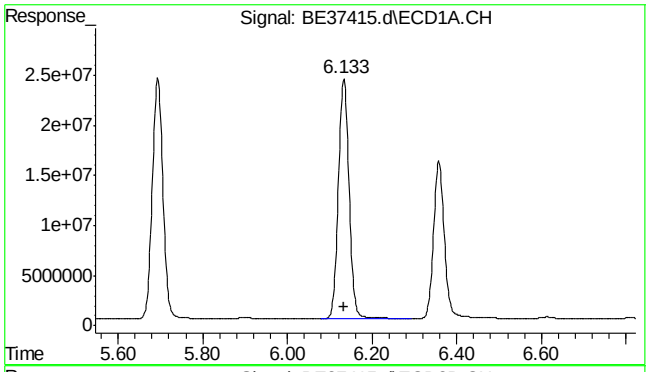
R.T.: 6.358 min
Delta R.T.: 0.000 min
Response: 279404664
Conc: 470.83 ppb



#8 Alachlor

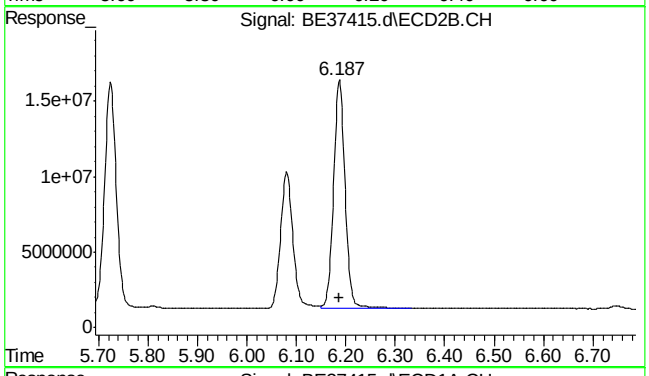
R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 157498298
Conc: 494.77 ppb

11.6.6 11



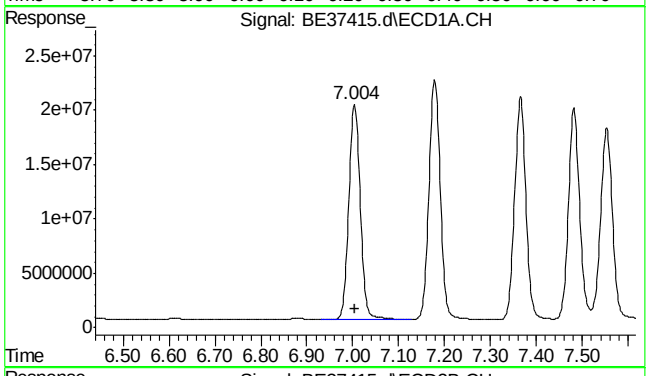
#9 Aldrin

R.T.: 6.134 min
Delta R.T.: 0.000 min
Response: 418526470
Conc: 56.31 ppb



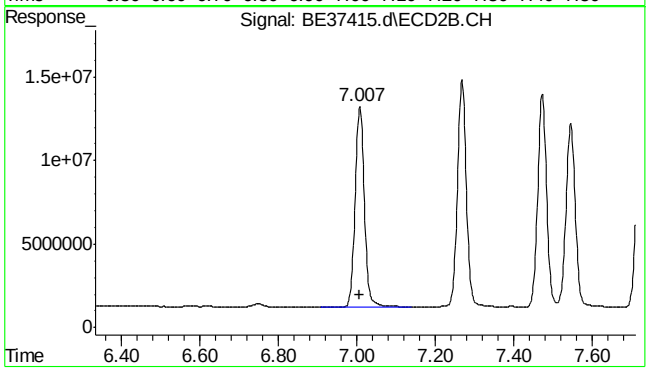
#9 Aldrin

R.T.: 6.187 min
Delta R.T.: 0.000 min
Response: 244995834
Conc: 62.80 ppb



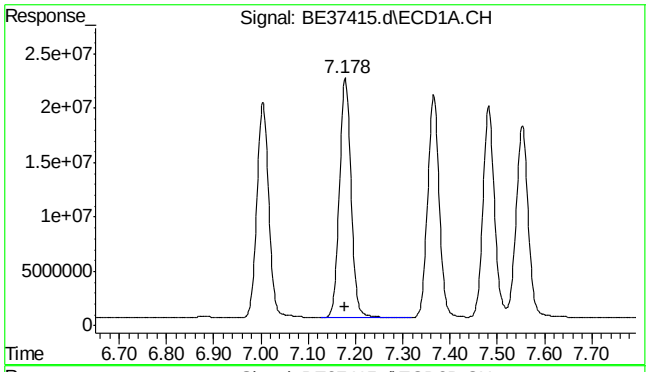
#10 Heptachlor Epoxide

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 345868294
Conc: 56.82 ppb



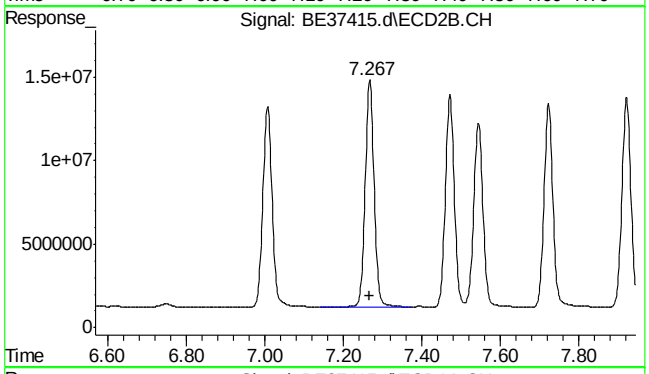
#10 Heptachlor Epoxide

R.T.: 7.007 min
Delta R.T.: 0.000 min
Response: 195575310
Conc: 81.72 ppb



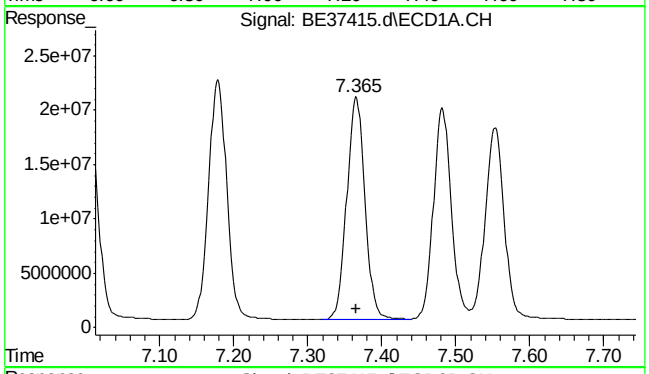
#11 Gamma-Chlordane

R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 380389042
Conc: 55.81 ppb



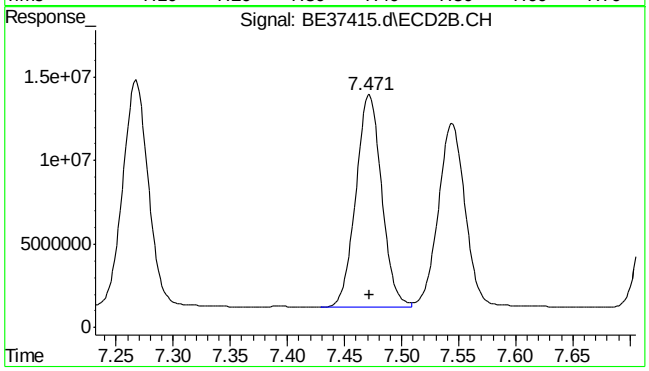
#11 Gamma-Chlordane

R.T.: 7.268 min
Delta R.T.: 0.000 min
Response: 213148309
Conc: 62.12 ppb



#12 Alpha-Chlordane

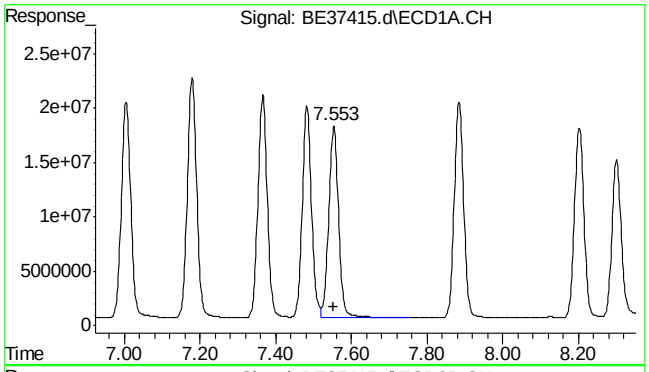
R.T.: 7.366 min
Delta R.T.: 0.000 min
Response: 350536205
Conc: 74.79 ppb



#12 Alpha-Chlordane

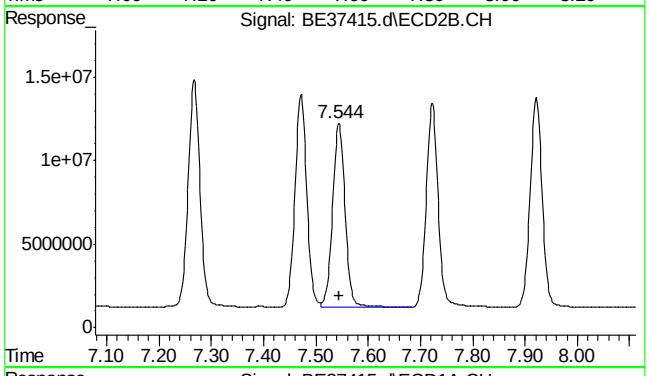
R.T.: 7.472 min
Delta R.T.: 0.000 min
Response: 199774091
Conc: 60.74 ppb

11.6.6 11



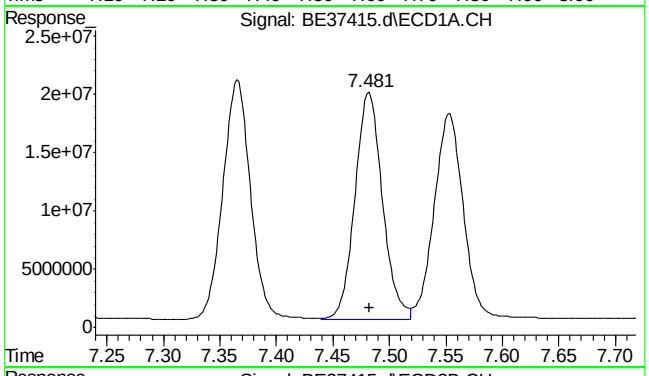
#13 Endosulfan-I

R.T.: 7.553 min
Delta R.T.: 0.000 min
Response: 320625835
Conc: 55.15 ppb



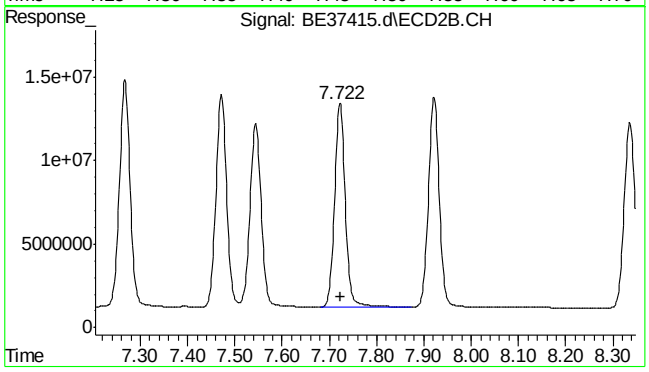
#13 Endosulfan-I

R.T.: 7.545 min
Delta R.T.: 0.000 min
Response: 183049510
Conc: 60.45 ppb



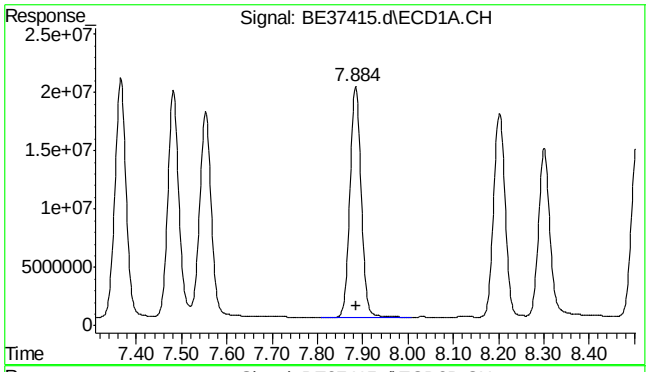
#14 4,4'-DDE

R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 327755251
Conc: 66.35 ppb



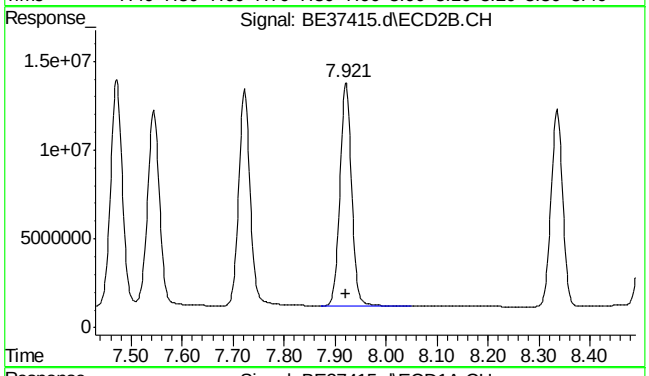
#14 4,4'-DDE

R.T.: 7.723 min
Delta R.T.: 0.000 min
Response: 193474818
Conc: 66.19 ppb



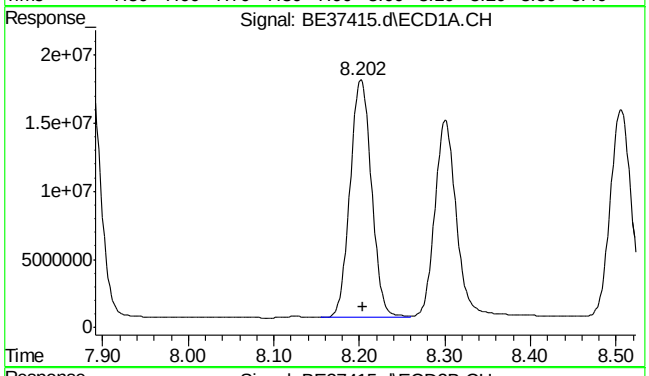
#15 Dieldrin

R.T.: 7.884 min
Delta R.T.: 0.000 min
Response: 342968883
Conc: 64.50 ppb



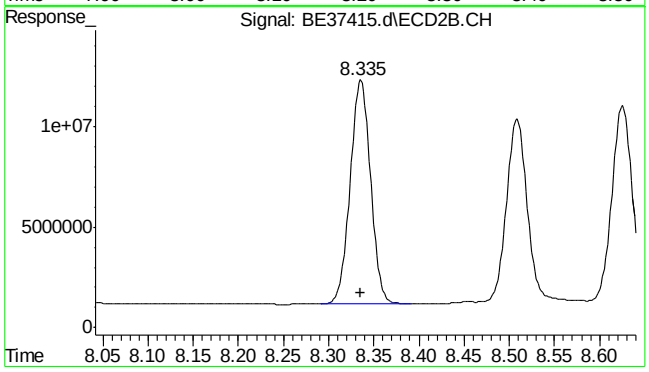
#15 Dieldrin

R.T.: 7.922 min
Delta R.T.: 0.000 min
Response: 201171486
Conc: 60.45 ppb



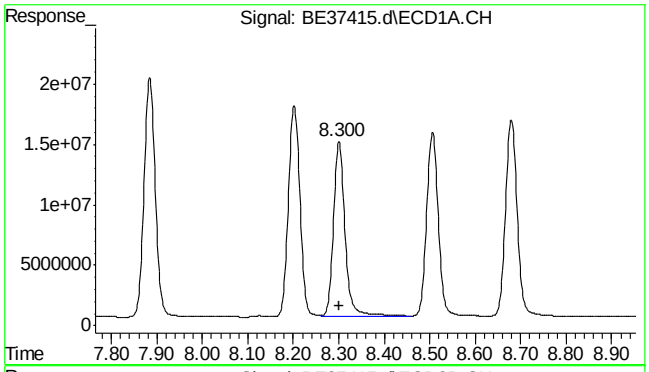
#16 Endrin

R.T.: 8.202 min
Delta R.T.: -0.001 min
Response: 305420914
Conc: 62.81 ppb



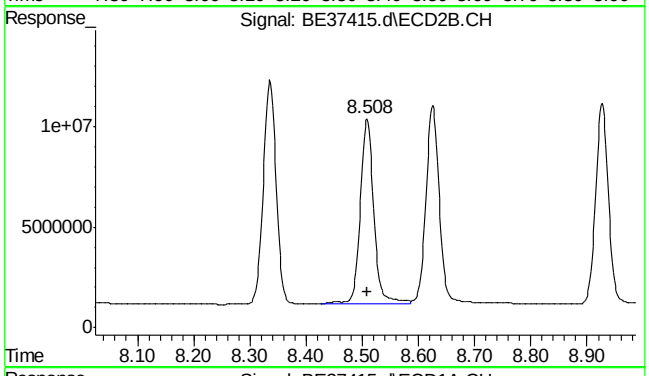
#16 Endrin

R.T.: 8.335 min
Delta R.T.: 0.000 min
Response: 176067182
Conc: 66.19 ppb m



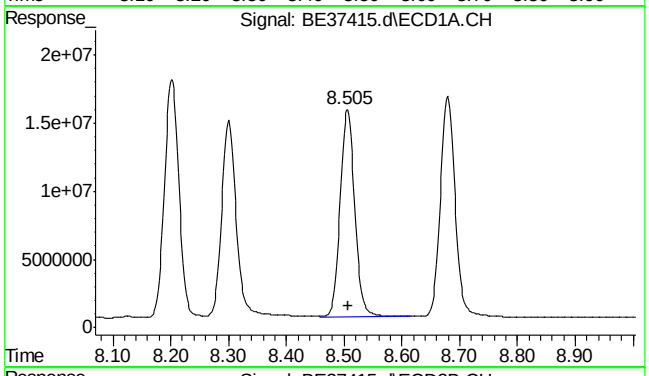
#17 4,4'-DDD

R.T.: 8.301 min
Delta R.T.: 0.000 min
Response: 259628330
Conc: 63.76 ppb



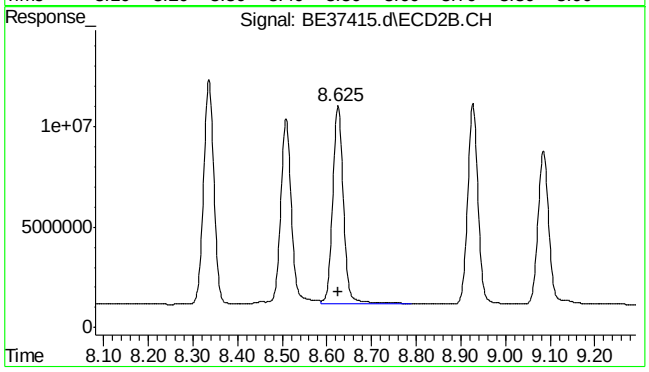
#17 4,4'-DDD

R.T.: 8.509 min
Delta R.T.: 0.000 min
Response: 153201447
Conc: 66.60 ppb



#18 Endosulfan-II

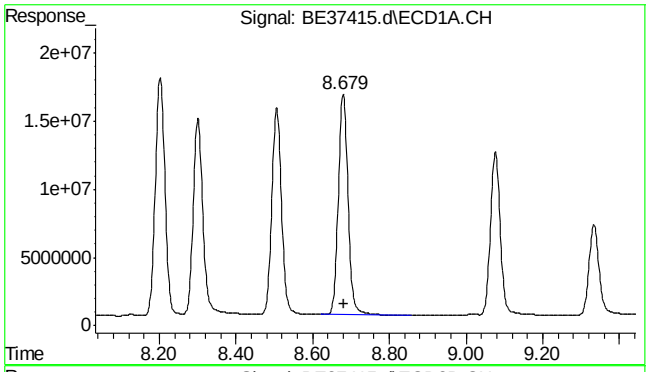
R.T.: 8.506 min
Delta R.T.: -0.001 min
Response: 266989536
Conc: 57.92 ppb



#18 Endosulfan-II

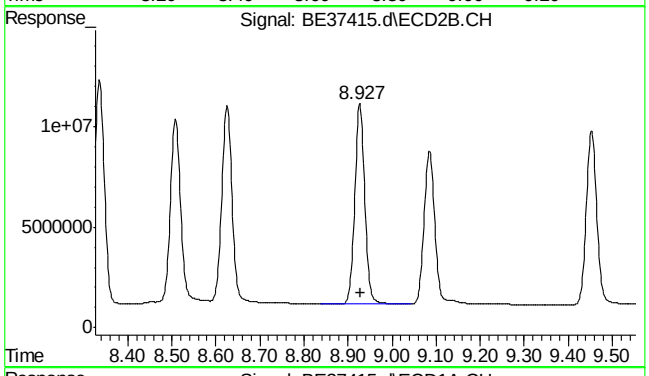
R.T.: 8.626 min
Delta R.T.: 0.000 min
Response: 163351371
Conc: 60.40 ppb

11.6.6
11



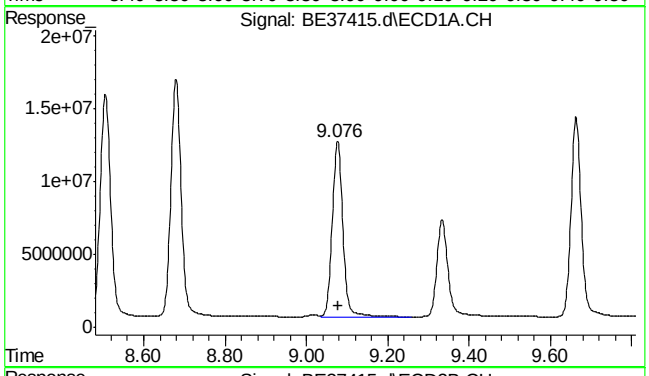
#19 4,4'-DDT

R.T.: 8.680 min
Delta R.T.: 0.000 min
Response: 286380350
Conc: 68.56 ppb



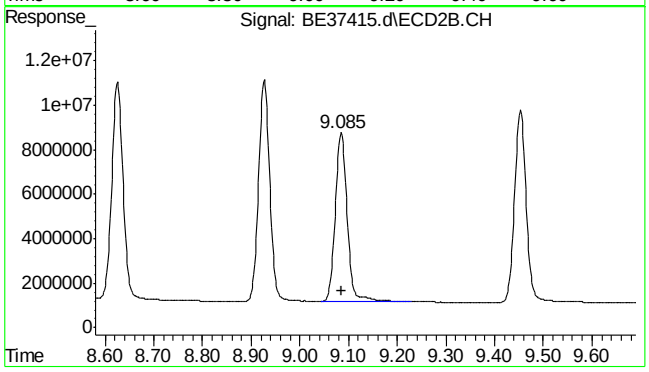
#19 4,4'-DDT

R.T.: 8.927 min
Delta R.T.: 0.000 min
Response: 157654073
Conc: 64.74 ppb



#20 Endrin Aldehyde

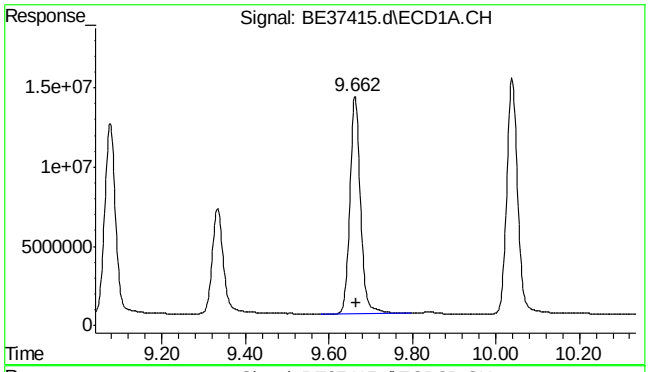
R.T.: 9.077 min
Delta R.T.: 0.000 min
Response: 217120814
Conc: 57.67 ppb



#20 Endrin Aldehyde

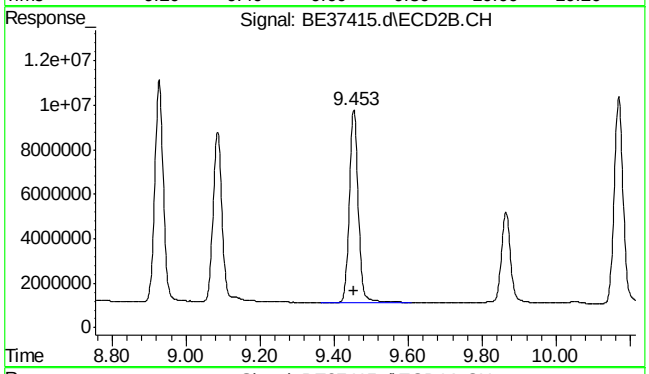
R.T.: 9.085 min
Delta R.T.: 0.000 min
Response: 129462445
Conc: 60.27 ppb

11.6.6
11



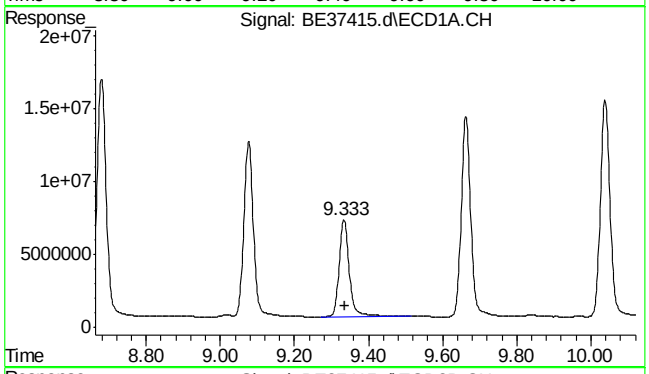
#21 Endosulfan Sulfate

R.T.: 9.663 min
Delta R.T.: -0.001 min
Response: 240913102
Conc: 57.69 ppb



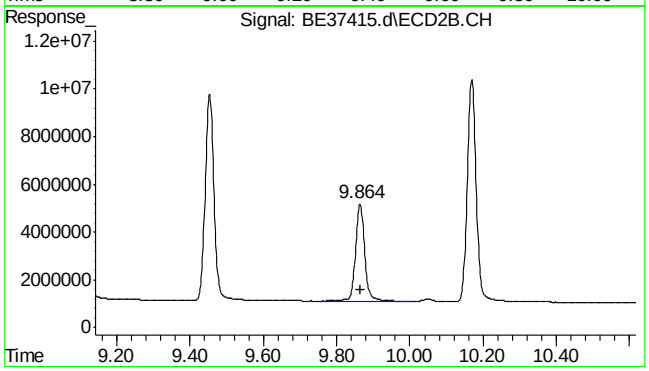
#21 Endosulfan Sulfate

R.T.: 9.453 min
Delta R.T.: 0.000 min
Response: 144247376
Conc: 57.15 ppb



#22 Methoxychlor

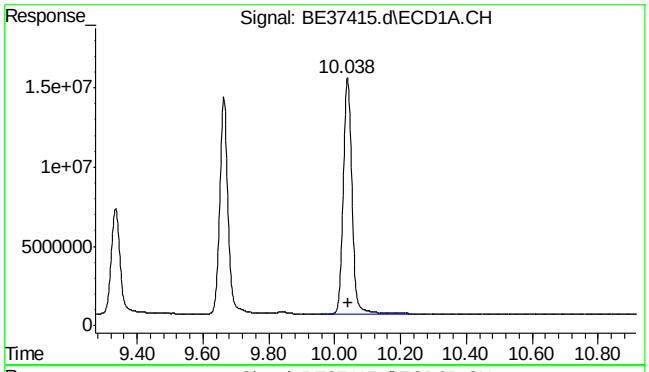
R.T.: 9.334 min
Delta R.T.: -0.001 min
Response: 126597622
Conc: 76.28 ppb



#22 Methoxychlor

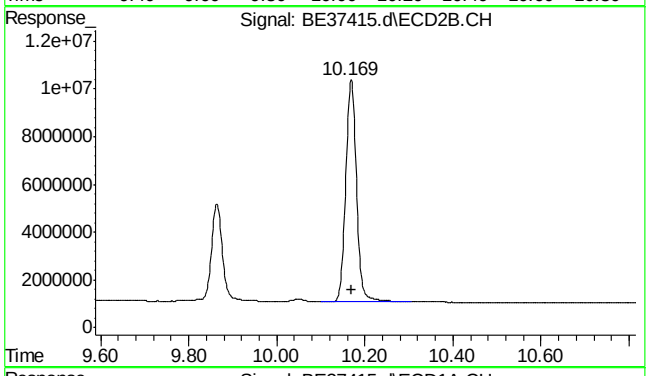
R.T.: 9.864 min
Delta R.T.: 0.000 min
Response: 71326589
Conc: 101.52 ppb

11.6.6 11



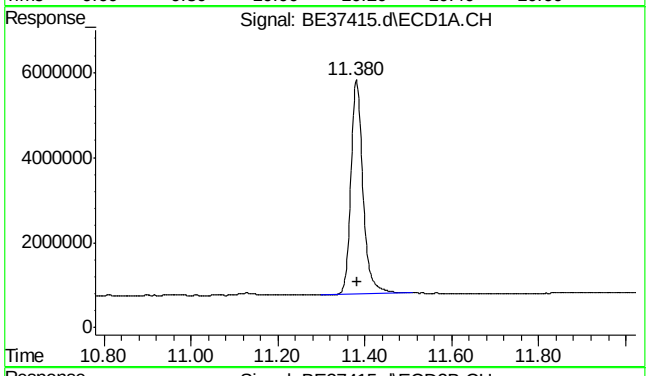
#23 Endrin Ketone

R.T.: 10.039 min
Delta R.T.: -0.002 min
Response: 270576595
Conc: 53.90 ppb



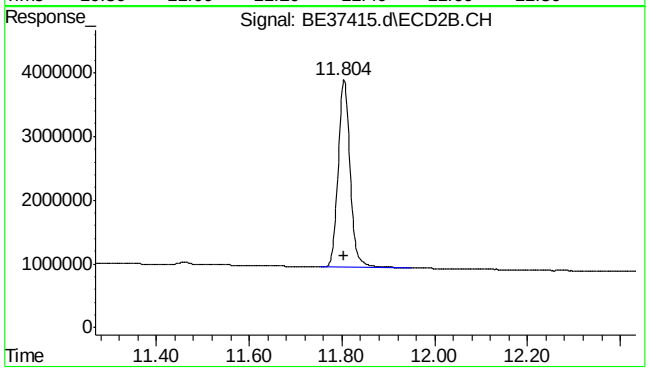
#23 Endrin Ketone

R.T.: 10.169 min
Delta R.T.: 0.000 min
Response: 156215364
Conc: 53.38 ppb



#38 DCB

R.T.: 11.381 min
Delta R.T.: 0.000 min
Response: 96322671
Conc: 30.48 ppb



#38 DCB

R.T.: 11.804 min
Delta R.T.: 0.000 min
Response: 52565154
Conc: 31.43 ppb m

BE37416.D

Manual Integrations APPROVED (compounds with "m" flag)

Andri Piluri 07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37416.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 16:19:51
Operator : andrip
Sample : ic1943-50,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 82 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:42:38 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:40:07 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.637	3.597	114.5E6	75019333	27.137	29.026
	Spiked Amount 40.000			Recovery	=	67.84%	72.56%
38) s	DCB	11.377	11.804	72625040	39887228	22.979m	23.849m
	Spiked Amount 40.000			Recovery	=	57.45%	59.62%
	Target Compounds						
2)	Hexachlor...	4.238	4.319	198.9E6	125.1E6	25.514	29.907
3)	Alpha-BHC	4.497	4.544	220.4E6	142.6E6	24.286	29.156
4)	Gamma-BHC	4.981	5.086	200.4E6	129.5E6	24.979	30.288
5)	Beta-BHC	5.114	5.221	83896844	53771884	26.421	32.312
6)	Heptachlor	5.691	5.725	191.3E6	113.9E6	27.438	31.231
7)	Delta-BHC	5.378	5.654	203.5E6	123.6E6	26.857	30.785
8)	Alachlor	6.356	6.081	131.3E6	84428145	221.179	265.227
9)	Aldrin	6.131	6.188	184.4E6	115.1E6	24.807	29.514
10)	Heptachlo...	7.002	7.007	154.1E6	93900305	25.321	39.237 #
11)	Gamma-Chl...	7.176	7.268	161.5E6	98341562	23.694	28.662
12)	Alpha-Chl...	7.362	7.472	153.3E6	91608133	32.709	27.854
13)	Endosulfan-I	7.551	7.545	142.0E6	86810059	24.430	28.670
14)	4,4'-DDE	7.479	7.723	132.3E6	84534553	26.777	28.920
15)	Dieldrin	7.883	7.922	150.1E6	94174076	28.223	28.298
16)	Endrin	8.200	8.336	136.7E6	81091263	28.115	30.486
17)	4,4'-DDD	8.299	8.509	107.8E6	66054136	26.486	28.716
18)	Endosulfa...	8.505	8.626	119.6E6	75000087	25.935	27.733
19)	4,4'-DDT	8.678	8.928	108.6E6	67199849	25.996	27.595
20)	Endrin Al...	9.075	9.086	90712179	58259092	24.095	27.122
21)	Endosulfa...	9.663	9.454	98337658	65858745	23.547	26.095
22)	Methoxychlor	9.332	9.865	49146471	29839594	29.613	42.471 #
23)	Endrin Ke...	10.038	10.169	111.5E6	70837942	22.210m	24.204m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

11.6.7

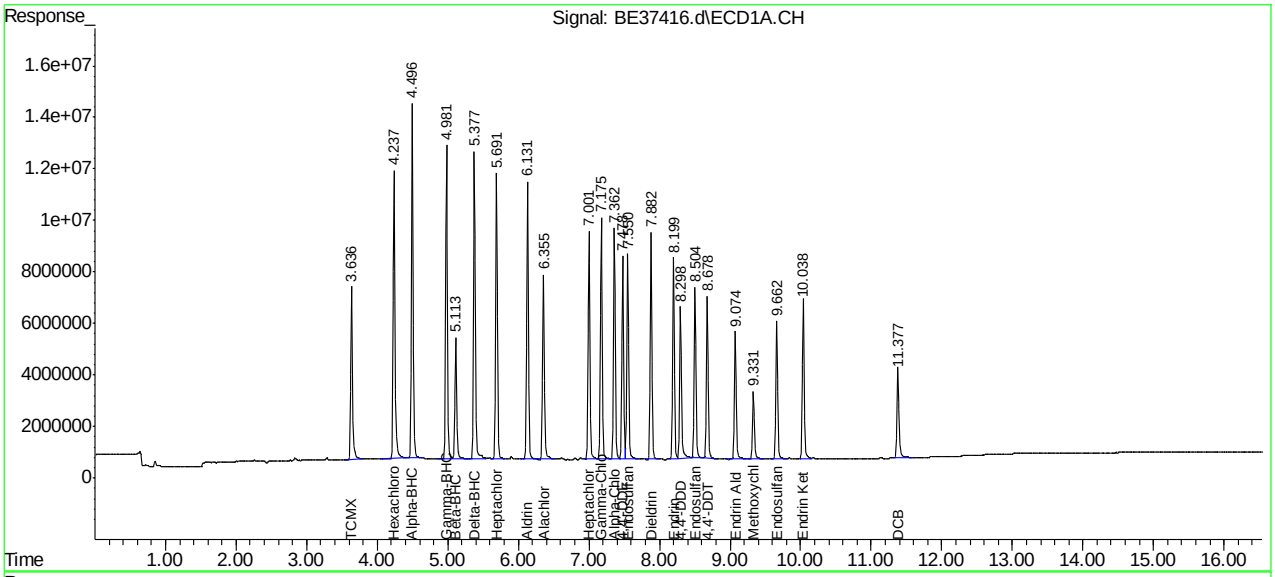
11

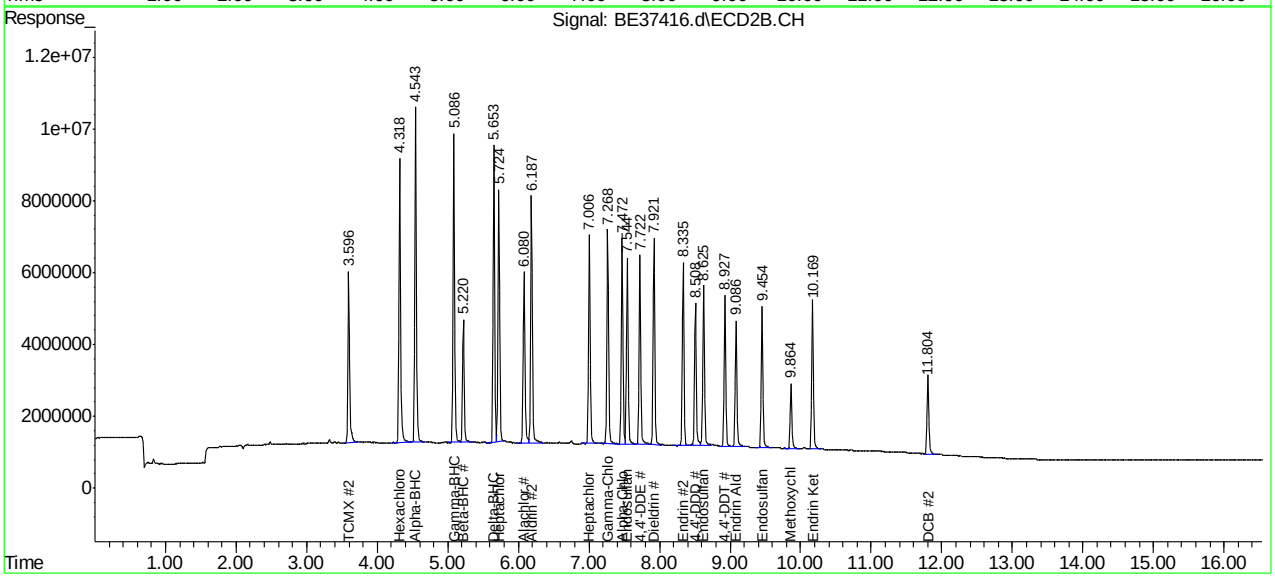
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37416.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 16:19:51
Operator : andrip
Sample : ic1943-50,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 82 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

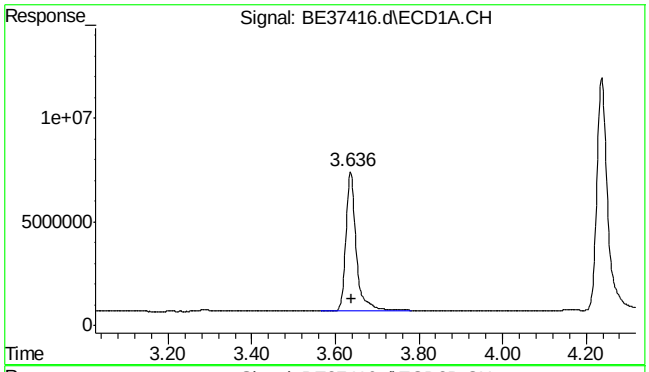
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:42:38 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:40:07 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



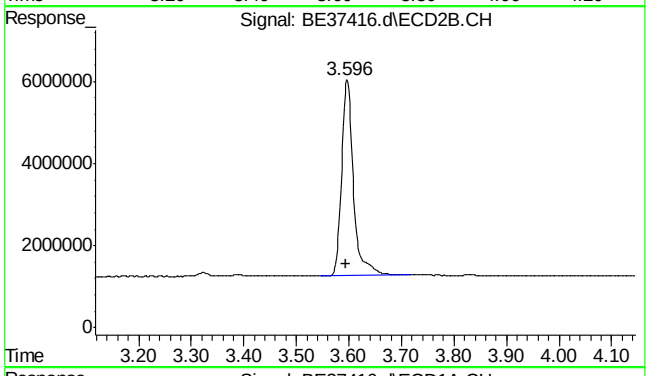


ACCUTEST LABORATORIES MC23272



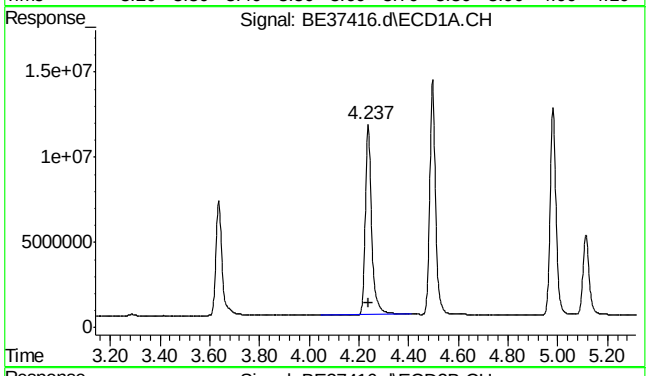
#1 TCMX

R.T.: 3.637 min
Delta R.T.: -0.001 min
Response: 114461849
Conc: 27.14 ppb



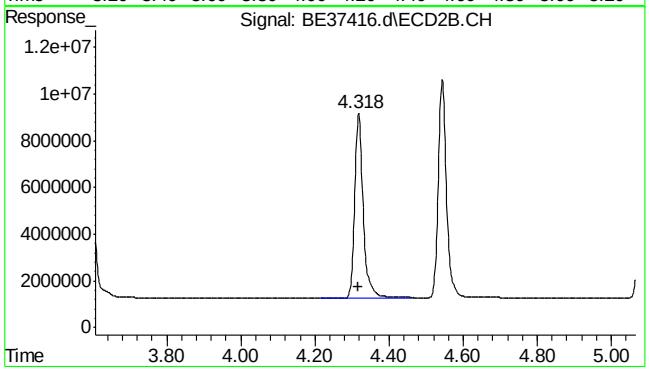
#1 TCMX

R.T.: 3.597 min
Delta R.T.: 0.001 min
Response: 75019333
Conc: 29.03 ppb



#2 Hexachlorobenzene

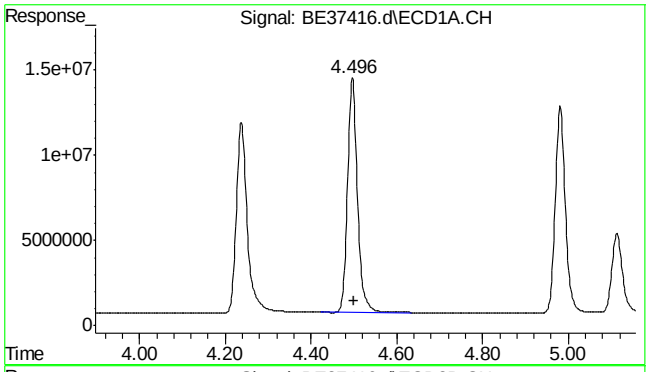
R.T.: 4.238 min
Delta R.T.: -0.003 min
Response: 198867563
Conc: 25.51 ppb



#2 Hexachlorobenzene

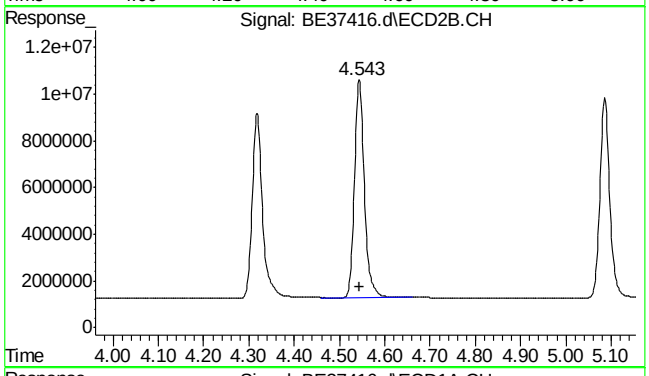
R.T.: 4.319 min
Delta R.T.: 0.000 min
Response: 125143809
Conc: 29.91 ppb

11.6.7 11



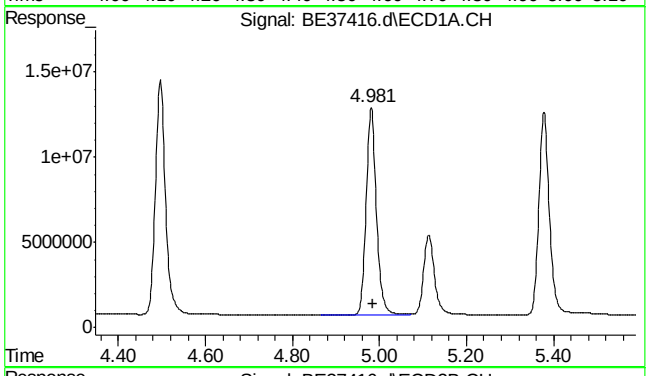
#3 Alpha-BHC

R.T.: 4.497 min
Delta R.T.: -0.003 min
Response: 220381140
Conc: 24.29 ppb



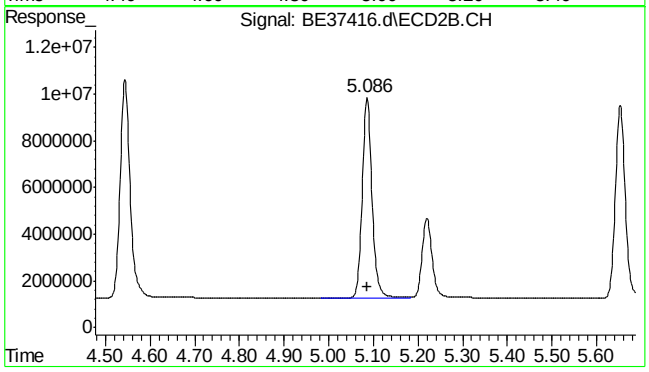
#3 Alpha-BHC

R.T.: 4.544 min
Delta R.T.: 0.000 min
Response: 142576967
Conc: 29.16 ppb



#4 Gamma-BHC

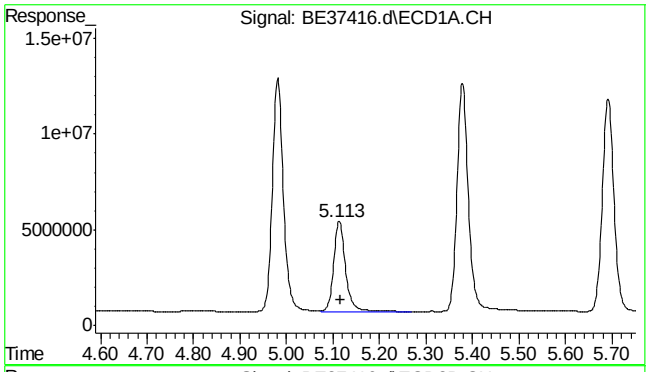
R.T.: 4.981 min
Delta R.T.: -0.003 min
Response: 200393988
Conc: 24.98 ppb



#4 Gamma-BHC

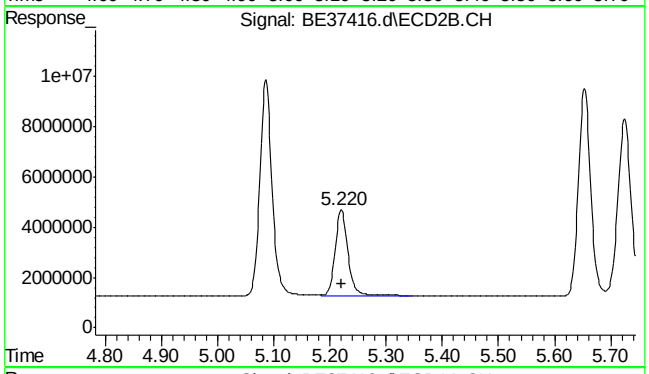
R.T.: 5.086 min
Delta R.T.: 0.000 min
Response: 129472558
Conc: 30.29 ppb

11.6.7 11



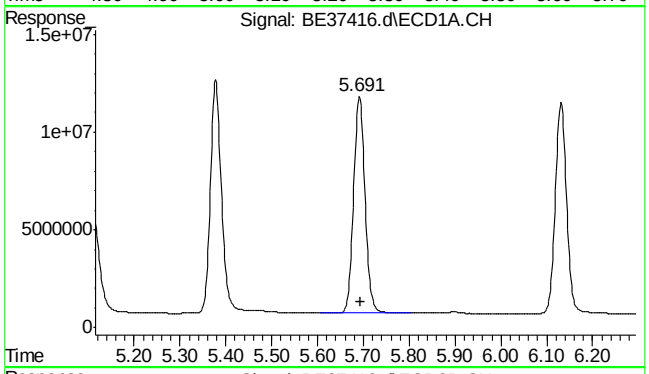
#5 Beta-BHC

R.T.: 5.114 min
Delta R.T.: -0.003 min
Response: 83896844
Conc: 26.42 ppb



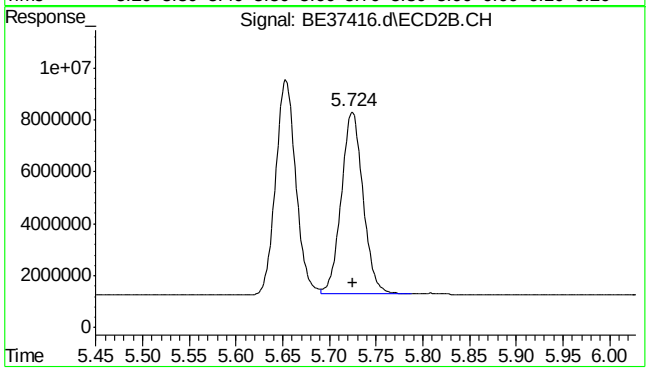
#5 Beta-BHC

R.T.: 5.221 min
Delta R.T.: 0.000 min
Response: 53771884
Conc: 32.31 ppb



#6 Heptachlor

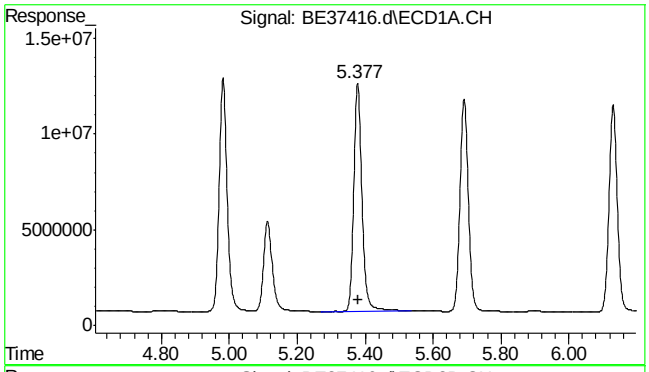
R.T.: 5.691 min
Delta R.T.: -0.003 min
Response: 191281702
Conc: 27.44 ppb



#6 Heptachlor

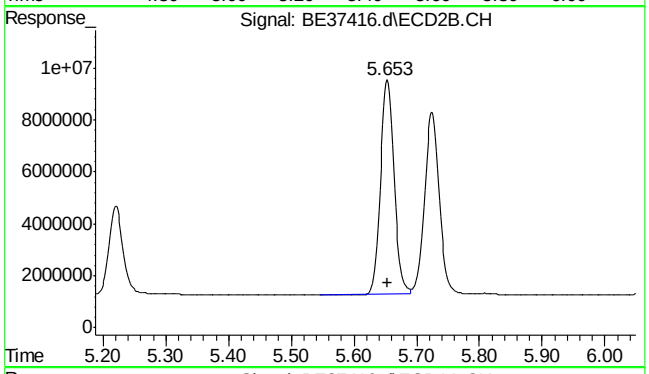
R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 113876934
Conc: 31.23 ppb

11.6.7
11



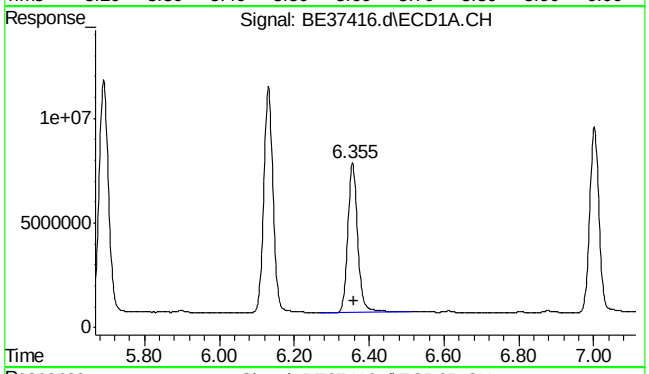
#7 Delta-BHC

R.T.: 5.378 min
Delta R.T.: -0.003 min
Response: 203513076
Conc: 26.86 ppb



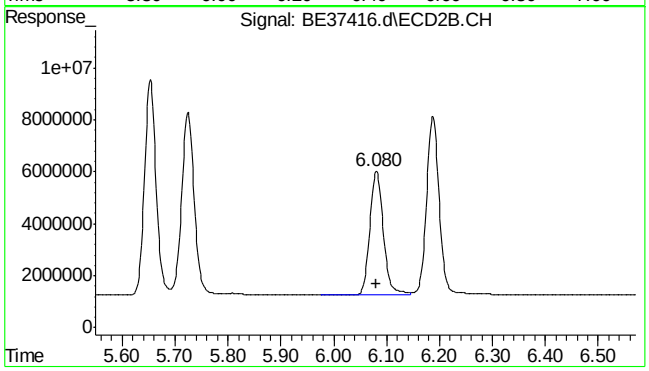
#7 Delta-BHC

R.T.: 5.654 min
Delta R.T.: 0.000 min
Response: 123578292
Conc: 30.78 ppb



#8 Alachlor

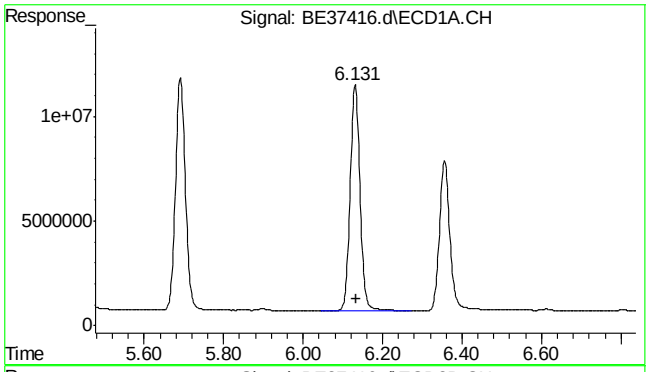
R.T.: 6.356 min
Delta R.T.: -0.003 min
Response: 131254848
Conc: 221.18 ppb



#8 Alachlor

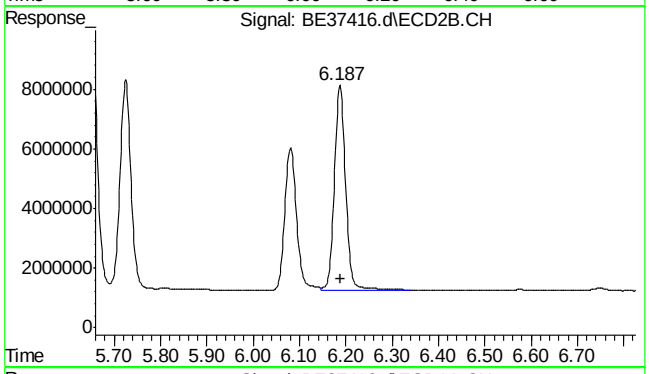
R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 84428145
Conc: 265.23 ppb

11.6.7 11



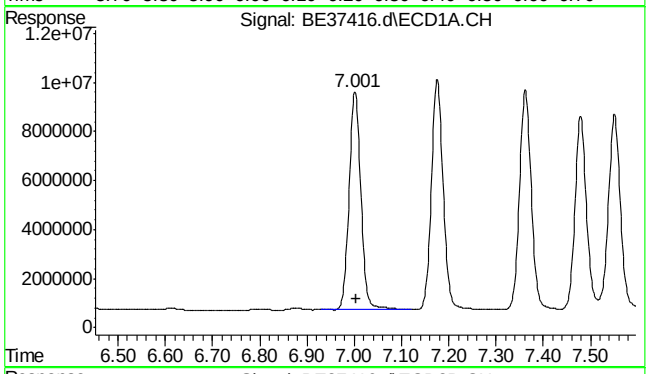
#9 Aldrin

R.T.: 6.131 min
Delta R.T.: -0.003 min
Response: 184370485
Conc: 24.81 ppb



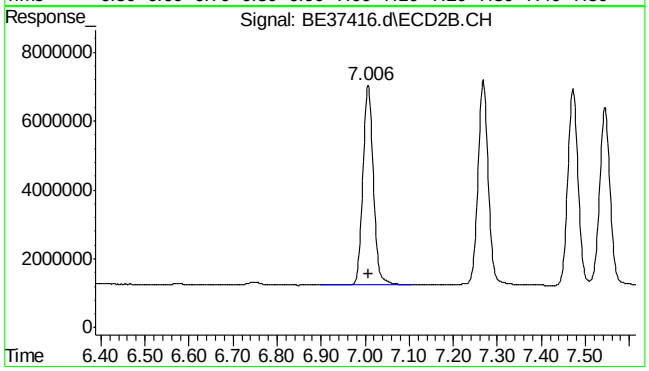
#9 Aldrin

R.T.: 6.188 min
Delta R.T.: 0.000 min
Response: 115135199
Conc: 29.51 ppb



#10 Heptachlor Epoxide

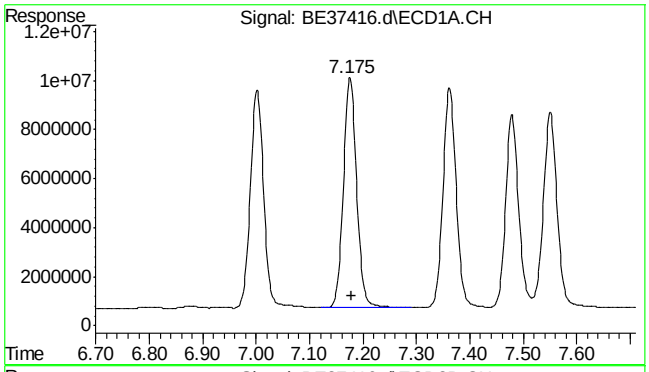
R.T.: 7.002 min
Delta R.T.: -0.003 min
Response: 154141537
Conc: 25.32 ppb



#10 Heptachlor Epoxide

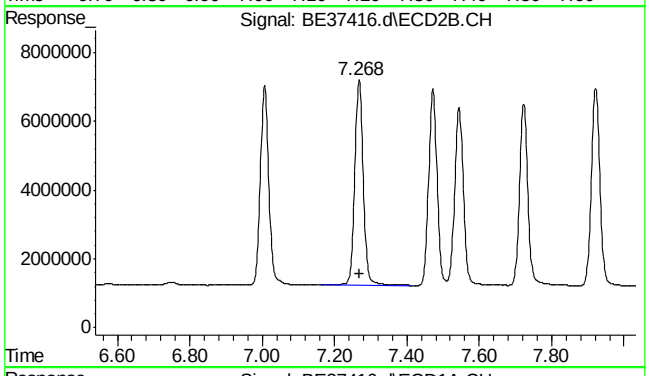
R.T.: 7.007 min
Delta R.T.: 0.000 min
Response: 93900305
Conc: 39.24 ppb

11.6.7
11



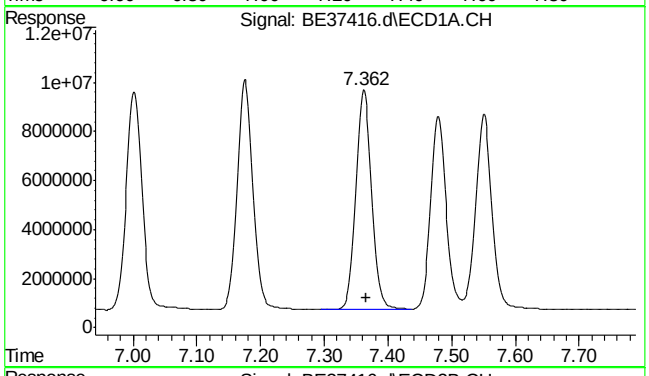
#11 Gamma-Chlordane

R.T.: 7.176 min
Delta R.T.: -0.003 min
Response: 161479730
Conc: 23.69 ppb



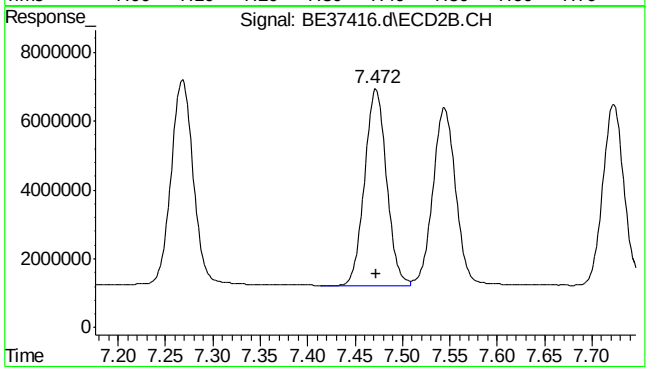
#11 Gamma-Chlordane

R.T.: 7.268 min
Delta R.T.: 0.000 min
Response: 98341562
Conc: 28.66 ppb



#12 Alpha-Chlordane

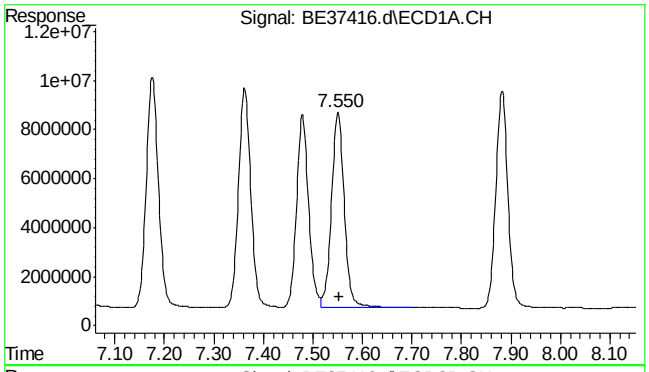
R.T.: 7.362 min
Delta R.T.: -0.003 min
Response: 153307680
Conc: 32.71 ppb



#12 Alpha-Chlordane

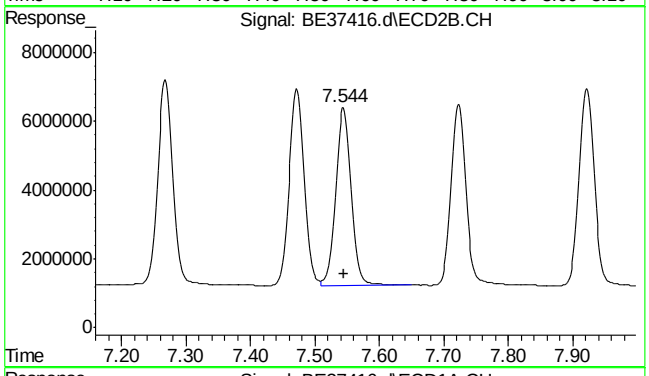
R.T.: 7.472 min
Delta R.T.: 0.000 min
Response: 91608133
Conc: 27.85 ppb

11.6.7
11



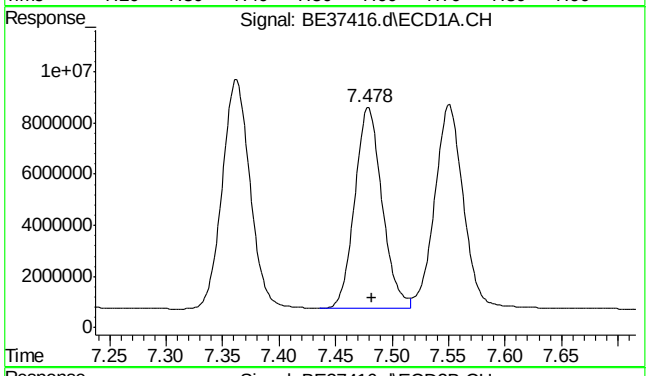
#13 Endosulfan-I

R.T.: 7.551 min
Delta R.T.: -0.003 min
Response: 142023748
Conc: 24.43 ppb



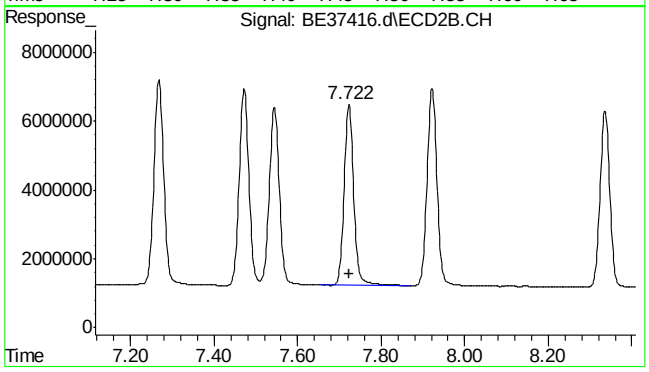
#13 Endosulfan-I

R.T.: 7.545 min
Delta R.T.: 0.000 min
Response: 86810059
Conc: 28.67 ppb



#14 4,4'-DDE

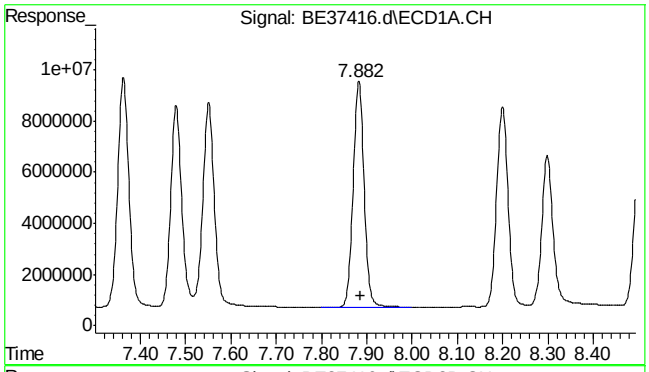
R.T.: 7.479 min
Delta R.T.: -0.003 min
Response: 132272887
Conc: 26.78 ppb



#14 4,4'-DDE

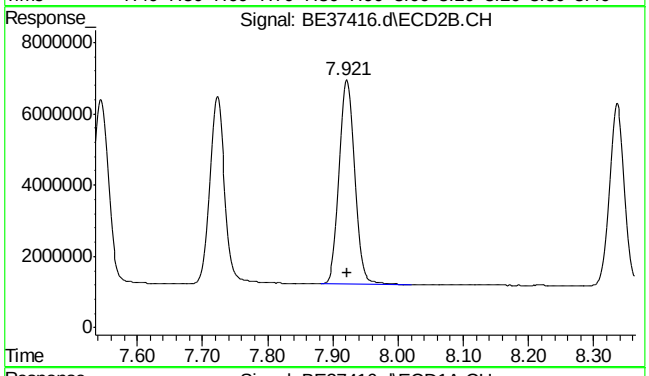
R.T.: 7.723 min
Delta R.T.: 0.000 min
Response: 84534553
Conc: 28.92 ppb

11.6.7 11



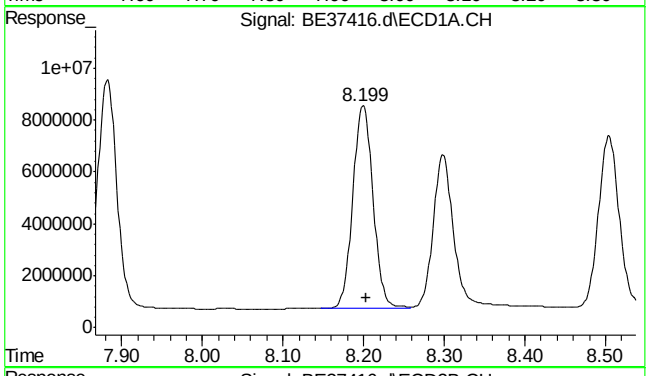
#15 Dieldrin

R.T.: 7.883 min
Delta R.T.: -0.003 min
Response: 150068281
Conc: 28.22 ppb



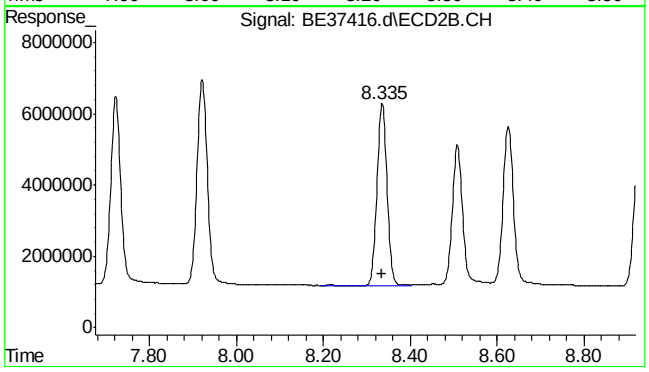
#15 Dieldrin

R.T.: 7.922 min
Delta R.T.: 0.000 min
Response: 94174076
Conc: 28.30 ppb



#16 Endrin

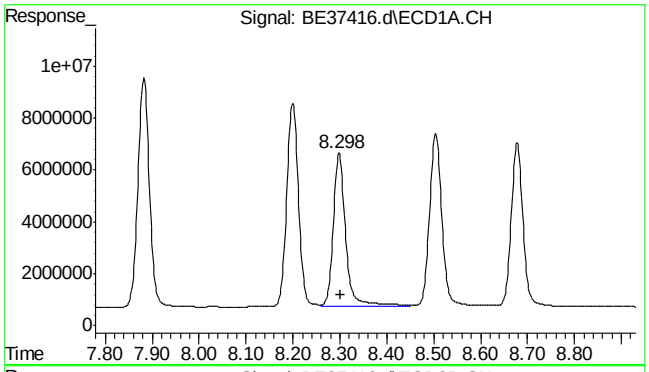
R.T.: 8.200 min
Delta R.T.: -0.004 min
Response: 136707819
Conc: 28.12 ppb



#16 Endrin

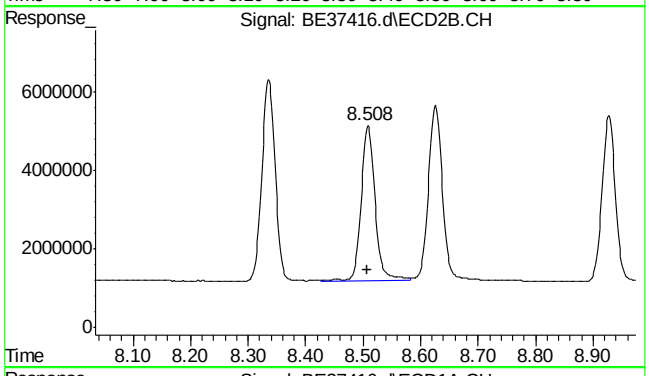
R.T.: 8.336 min
Delta R.T.: 0.000 min
Response: 81091263
Conc: 30.49 ppb

11.6.7 11



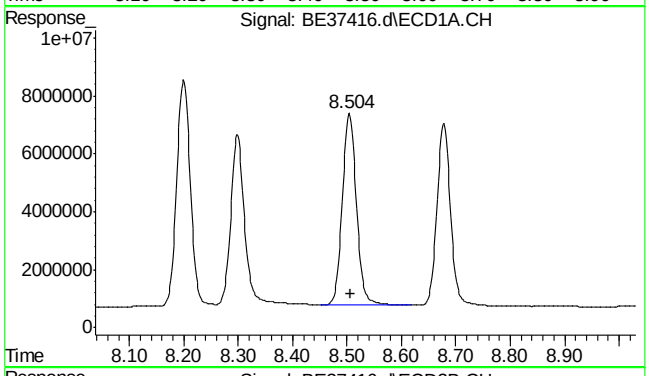
#17 4,4'-DDD

R.T.: 8.299 min
Delta R.T.: -0.003 min
Response: 107846515
Conc: 26.49 ppb



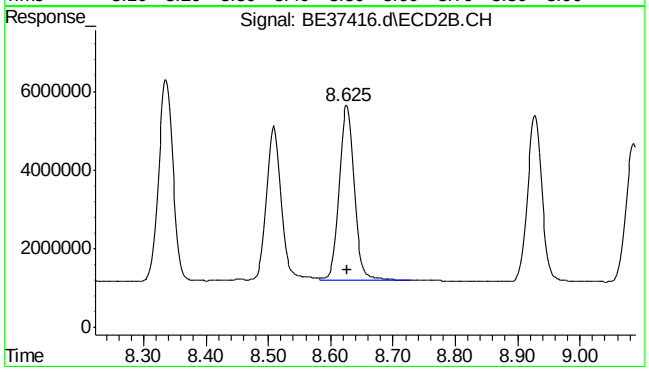
#17 4,4'-DDD

R.T.: 8.509 min
Delta R.T.: 0.000 min
Response: 66054136
Conc: 28.72 ppb



#18 Endosulfan-II

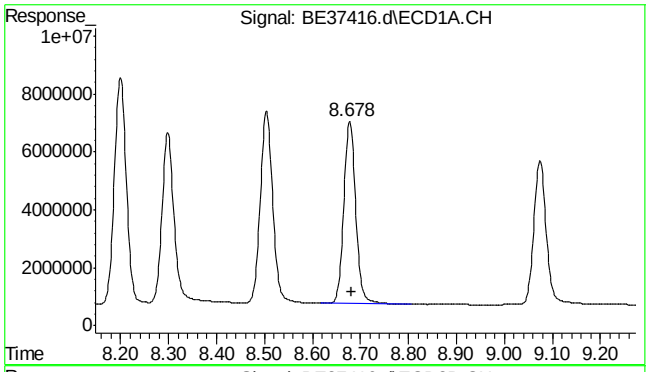
R.T.: 8.505 min
Delta R.T.: -0.003 min
Response: 119560689
Conc: 25.94 ppb



#18 Endosulfan-II

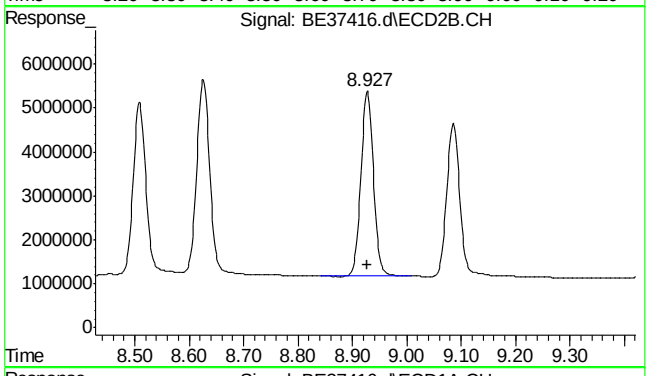
R.T.: 8.626 min
Delta R.T.: 0.000 min
Response: 75000087
Conc: 27.73 ppb

11.6.7
11



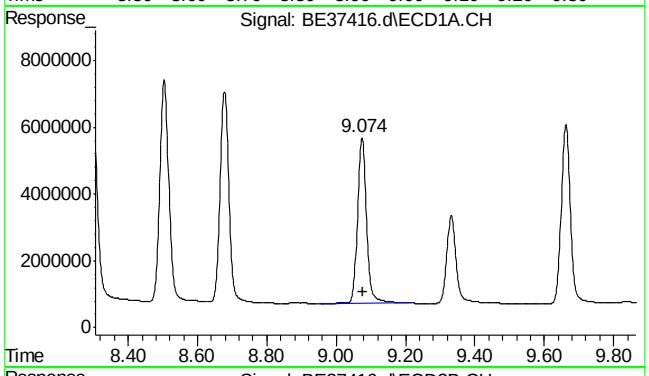
#19 4,4'-DDT

R.T.: 8.678 min
Delta R.T.: -0.002 min
Response: 108579964
Conc: 26.00 ppb



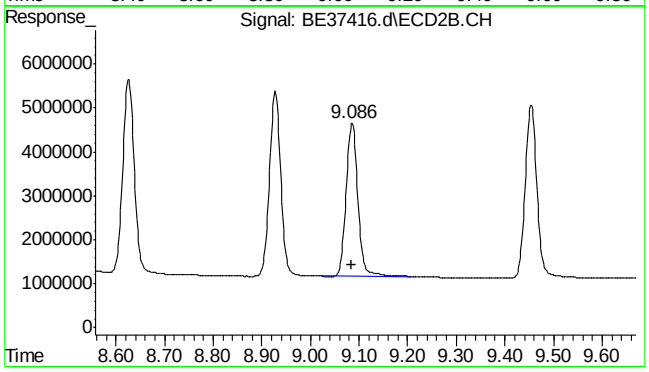
#19 4,4'-DDT

R.T.: 8.928 min
Delta R.T.: 0.000 min
Response: 67199849
Conc: 27.60 ppb



#20 Endrin Aldehyde

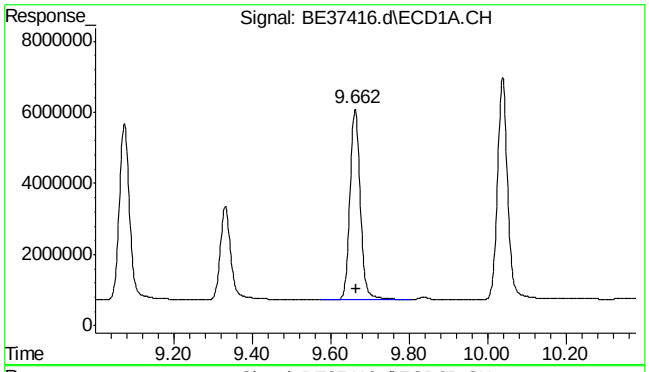
R.T.: 9.075 min
Delta R.T.: -0.003 min
Response: 90712179
Conc: 24.09 ppb



#20 Endrin Aldehyde

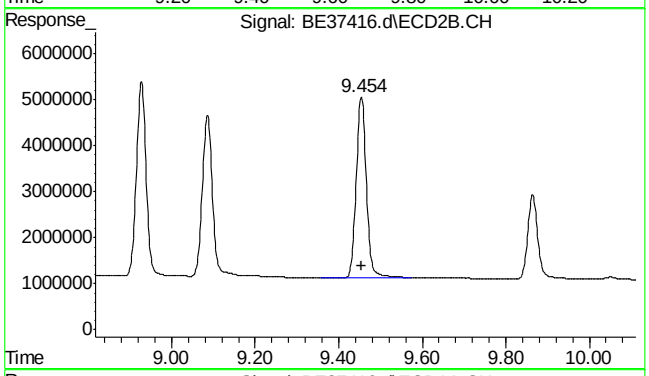
R.T.: 9.086 min
Delta R.T.: 0.000 min
Response: 58259092
Conc: 27.12 ppb

11.6.7
11



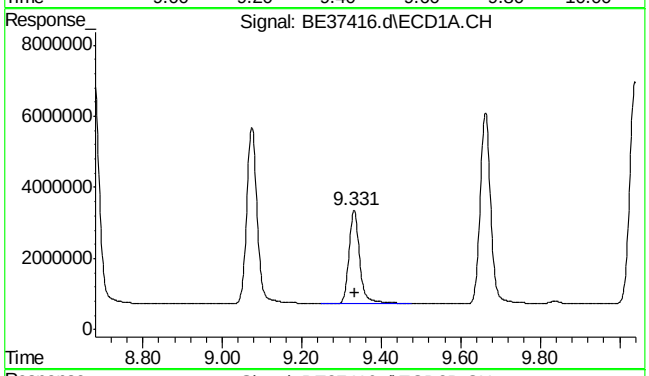
#21 Endosulfan Sulfate

R.T.: 9.663 min
Delta R.T.: -0.002 min
Response: 98337658
Conc: 23.55 ppb



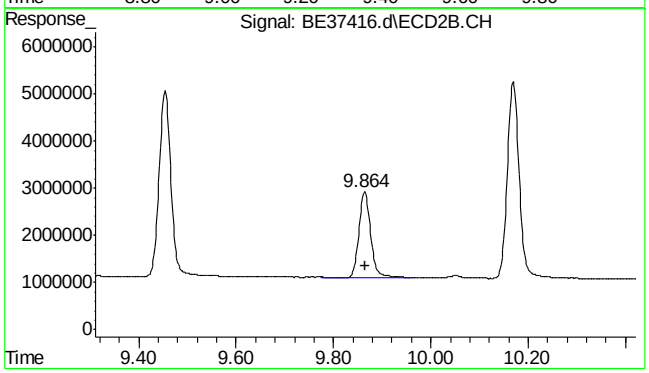
#21 Endosulfan Sulfate

R.T.: 9.454 min
Delta R.T.: 0.000 min
Response: 65858745
Conc: 26.09 ppb



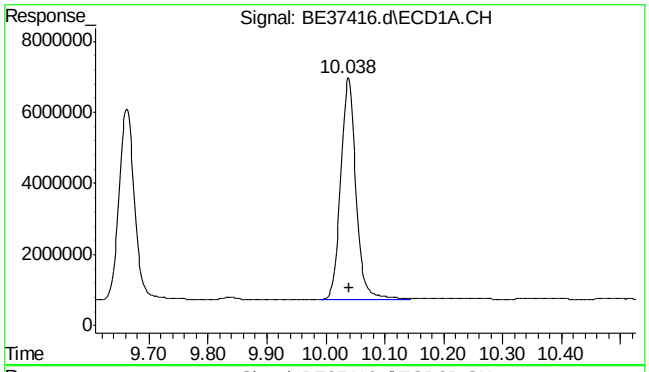
#22 Methoxychlor

R.T.: 9.332 min
Delta R.T.: -0.003 min
Response: 49146471
Conc: 29.61 ppb



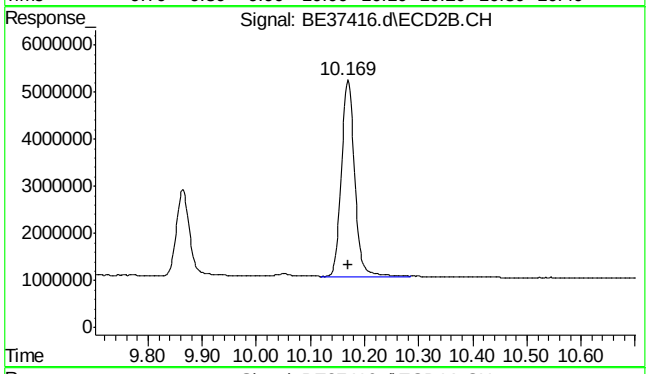
#22 Methoxychlor

R.T.: 9.865 min
Delta R.T.: 0.000 min
Response: 29839594
Conc: 42.47 ppb



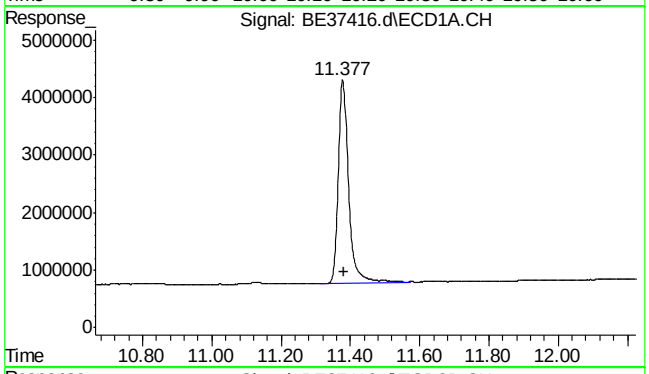
#23 Endrin Ketone

R.T.: 10.038 min
Delta R.T.: -0.003 min
Response: 111493043
Conc: 22.21 ppb m



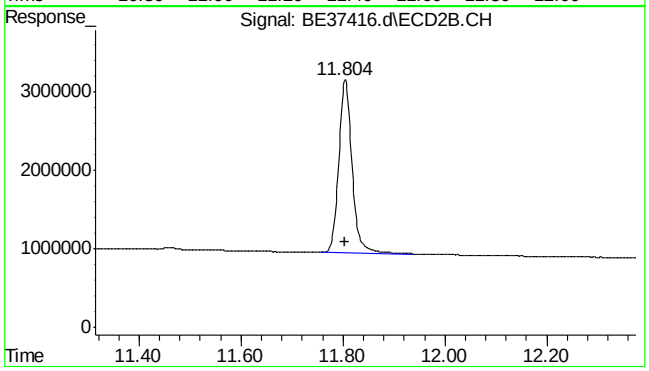
#23 Endrin Ketone

R.T.: 10.169 min
Delta R.T.: -0.001 min
Response: 70837942
Conc: 24.20 ppb m



#38 DCB

R.T.: 11.377 min
Delta R.T.: -0.004 min
Response: 72625040
Conc: 22.98 ppb m



#38 DCB

R.T.: 11.804 min
Delta R.T.: 0.000 min
Response: 39887228
Conc: 23.85 ppb m

11.6.7
11

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37417.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 16:41:33
Operator : andrip
Sample : ic1943-10,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 83 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:44:43 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:40:07 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.638	3.596	49234100	33414530	11.673m	12.929m
	Spiked Amount 40.000			Recovery =		29.18%	32.32%
38) s	DCB	11.381	11.804	31700054	18240823	10.030m	10.907m
	Spiked Amount 40.000			Recovery =		25.07%	27.27%
	Target Compounds						
2)	Hexachlor...	4.240	4.320	44180900	29505101	5.668	7.051
3)	Alpha-BHC	4.499	4.545	44594563	32506805	4.914	6.647 #
4)	Gamma-BHC	4.984	5.087	40710395	29898018	5.075	6.994 #
5)	Beta-BHC	5.116	5.222	17718769	12626362	5.580	7.587 #
6)	Heptachlor	5.694	5.725	39623488	28189868	5.684	7.731m#
7)	Delta-BHC	5.381	5.654	39851483	29530586	5.259	7.356m#
8)	Alachlor	6.359	6.082	34294645	25617674	57.790	80.477 #
9)	Aldrin	6.134	6.189	37359082	27530026	5.027	7.057 #
10)	Heptachlo...	7.003	7.009	32739891	20870720	5.378m	8.721 #
11)	Gamma-Chl...	7.179	7.269	34970166	23925413	5.131	6.973m#
12)	Alpha-Chl...	7.365	7.473	29137884	22474713	6.217	6.834
13)	Endosulfan-I	7.553	7.546	29976486	19883004	5.156	6.567 #
14)	4,4'-DDE	7.482	7.724	27750660	20328227	5.618	6.954
15)	Dieldrin	7.884	7.923	30392117	23071076	5.716m	6.933m
16)	Endrin	8.202	8.337	26999041	18933130	5.553	7.118m#
17)	4,4'-DDD	8.300	8.509	19992492	15146357	4.910	6.585m#
18)	Endosulfa...	8.505	8.626	24543694	18050196	5.324m	6.674m#
19)	4,4'-DDT	8.679	8.928	22354083	16262794	5.352m	6.678
20)	Endrin Al...	9.075	9.085	20319057	13473916	5.397m	6.273m
21)	Endosulfa...	9.663	9.454	21144400	16359176	5.063m	6.482m#
22)	Methoxychlor	9.333	9.864	10331788	6657970	6.225m	9.476m#
23)	Endrin Ke...	10.039	10.170	24651332	16974828	4.911	5.800m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

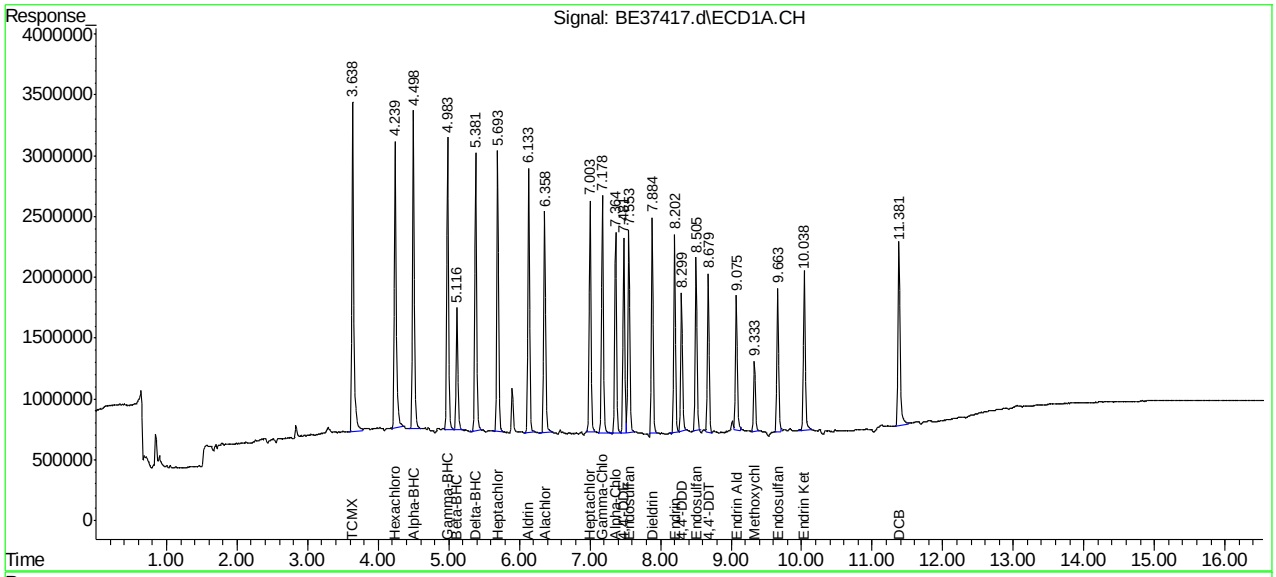
11.6.8
11

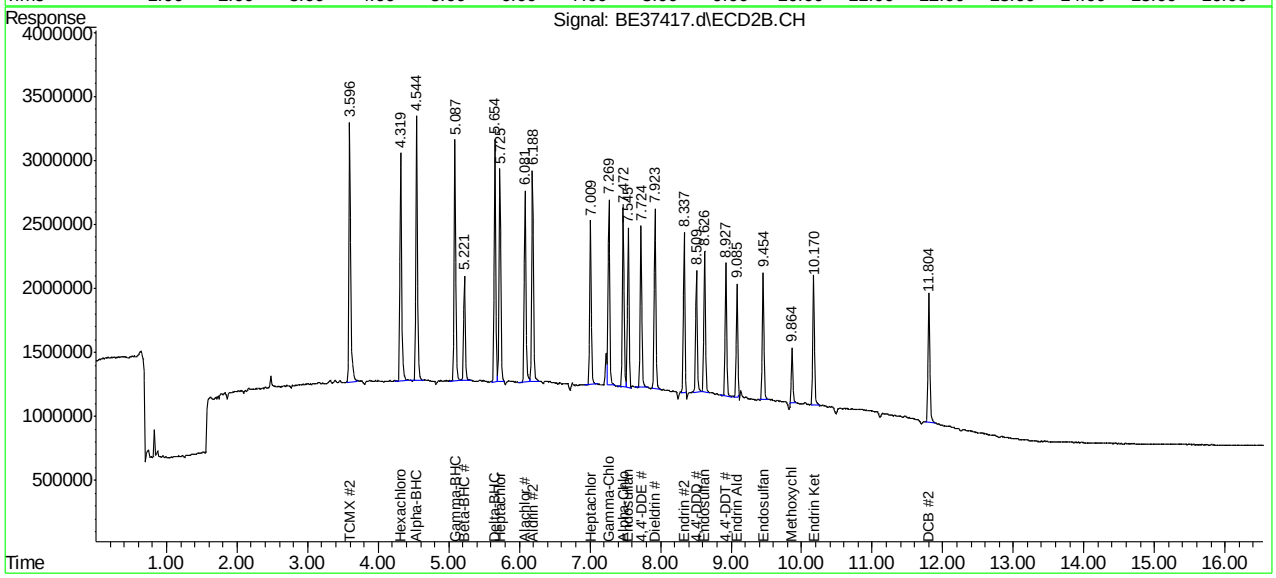
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37417.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 16:41:33
Operator : andrip
Sample : ic1943-10,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 83 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

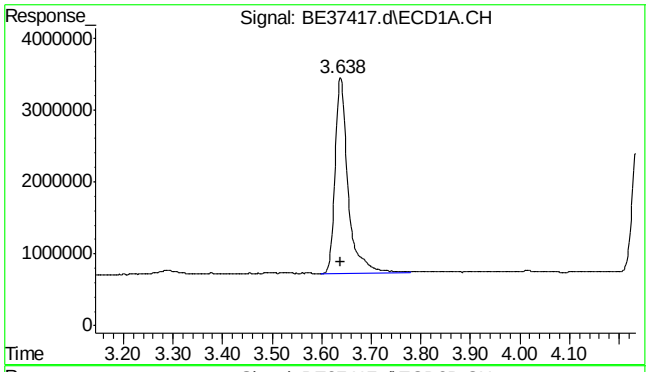
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:44:43 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:40:07 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



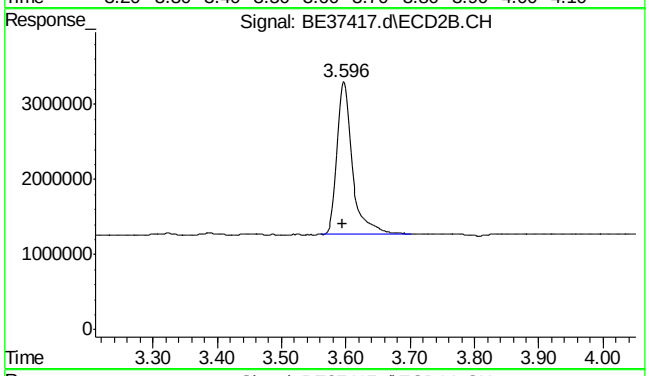


ACCUTEST LABORATORIES MC23272



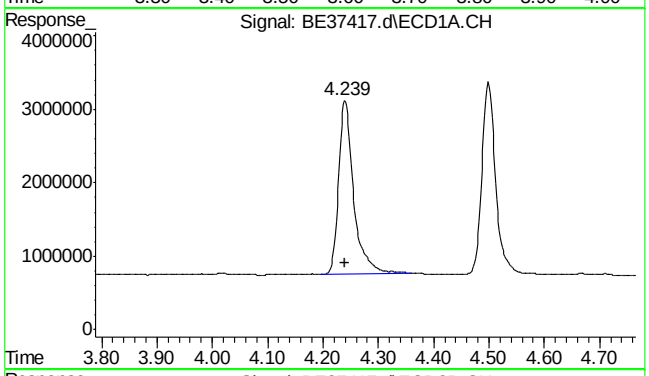
#1 TCMX

R.T.: 3.638 min
Delta R.T.: 0.000 min
Response: 49234100
Conc: 11.67 ppb m



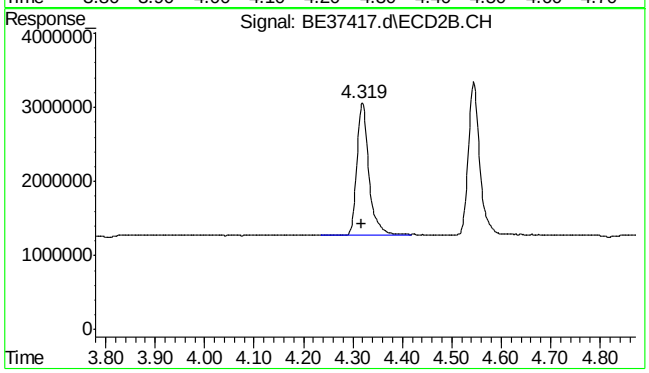
#1 TCMX

R.T.: 3.596 min
Delta R.T.: 0.000 min
Response: 33414530
Conc: 12.93 ppb m



#2 Hexachlorobenzene

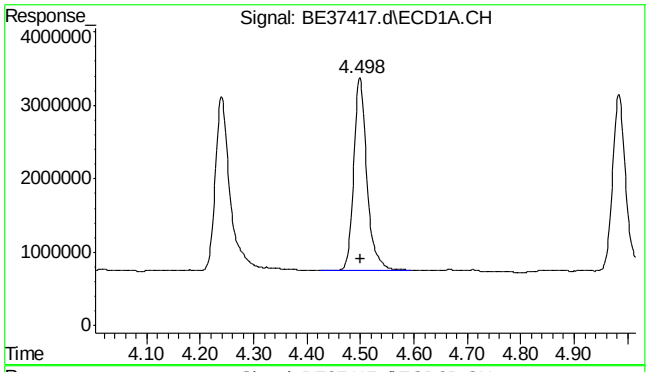
R.T.: 4.240 min
Delta R.T.: 0.000 min
Response: 44180900
Conc: 5.67 ppb



#2 Hexachlorobenzene

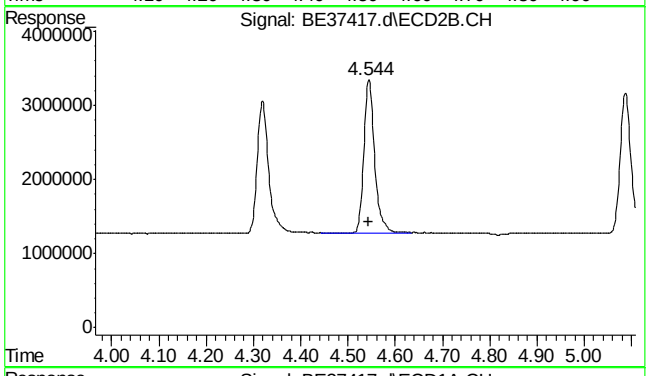
R.T.: 4.320 min
Delta R.T.: 0.002 min
Response: 29505101
Conc: 7.05 ppb

11.6.8 11



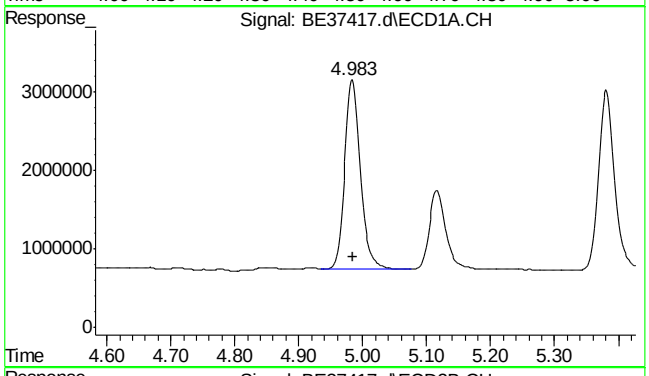
#3 Alpha-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 44594563
Conc: 4.91 ppb



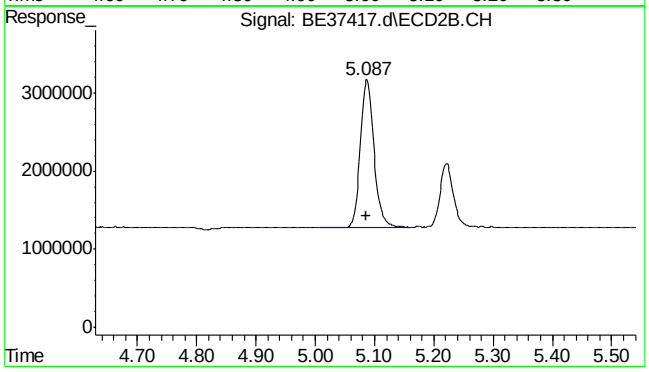
#3 Alpha-BHC

R.T.: 4.545 min
Delta R.T.: 0.001 min
Response: 32506805
Conc: 6.65 ppb



#4 Gamma-BHC

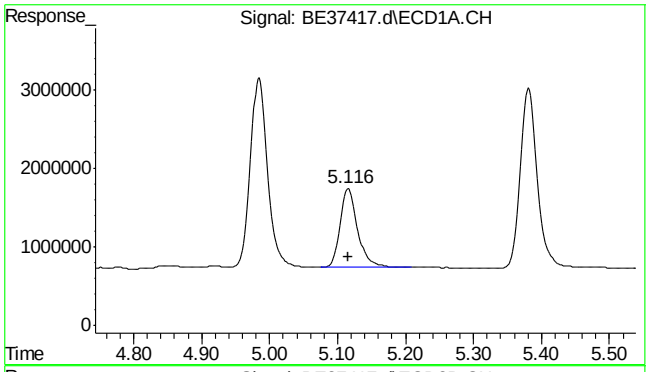
R.T.: 4.984 min
Delta R.T.: 0.000 min
Response: 40710395
Conc: 5.07 ppb



#4 Gamma-BHC

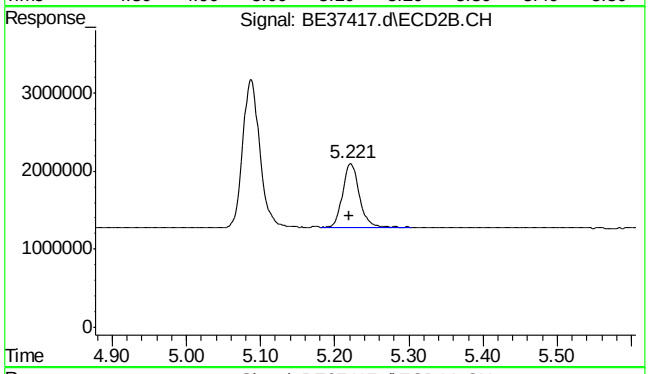
R.T.: 5.087 min
Delta R.T.: 0.001 min
Response: 29898018
Conc: 6.99 ppb

11.6.8 11



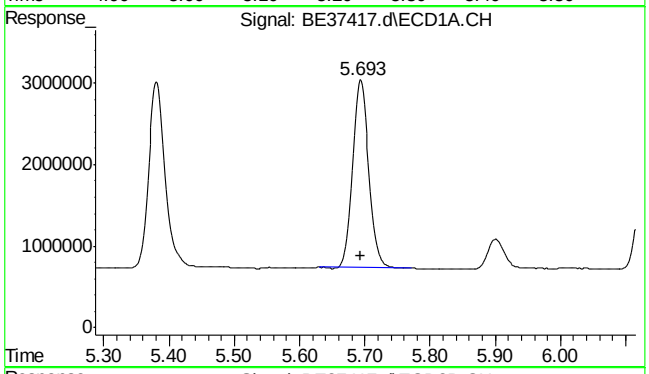
#5 Beta-BHC

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 17718769
Conc: 5.58 ppb



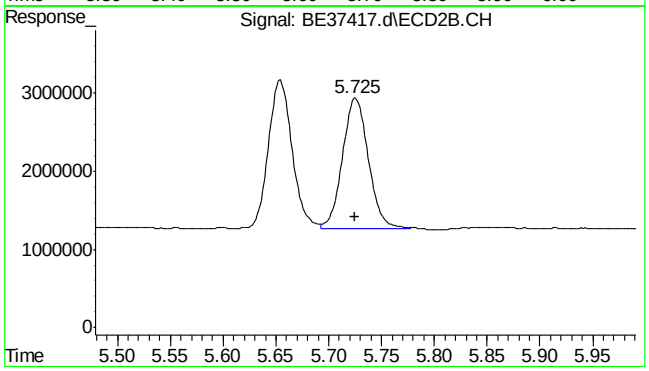
#5 Beta-BHC

R.T.: 5.222 min
Delta R.T.: 0.002 min
Response: 12626362
Conc: 7.59 ppb



#6 Heptachlor

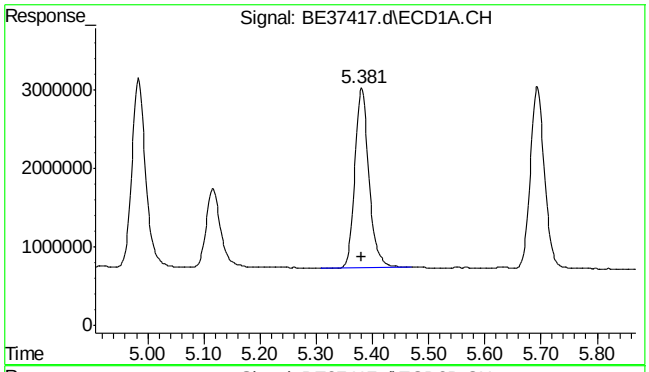
R.T.: 5.694 min
Delta R.T.: 0.000 min
Response: 39623488
Conc: 5.68 ppb



#6 Heptachlor

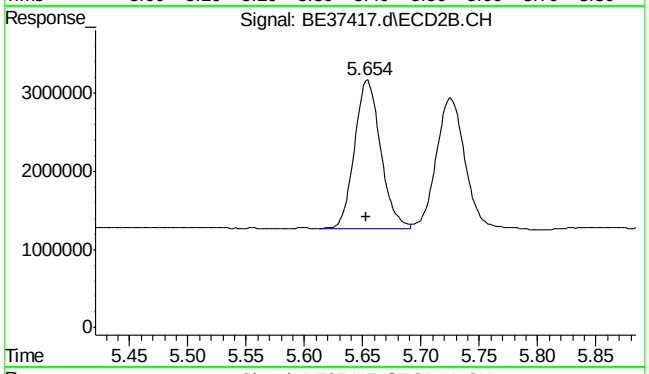
R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 28189868
Conc: 7.73 ppb m

11.6.8 11



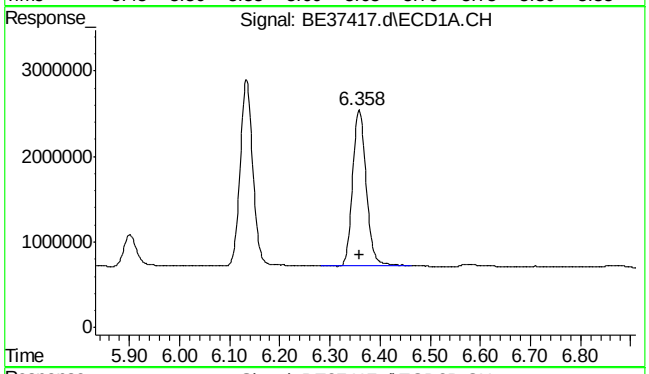
#7 Delta-BHC

R.T.: 5.381 min
Delta R.T.: 0.000 min
Response: 39851483
Conc: 5.26 ppb



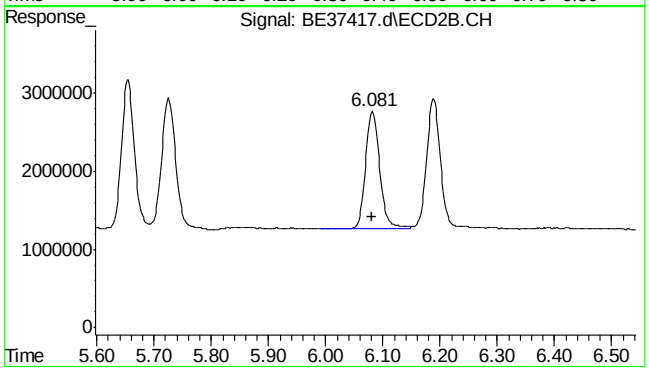
#7 Delta-BHC

R.T.: 5.654 min
Delta R.T.: 0.000 min
Response: 29530586
Conc: 7.36 ppb m



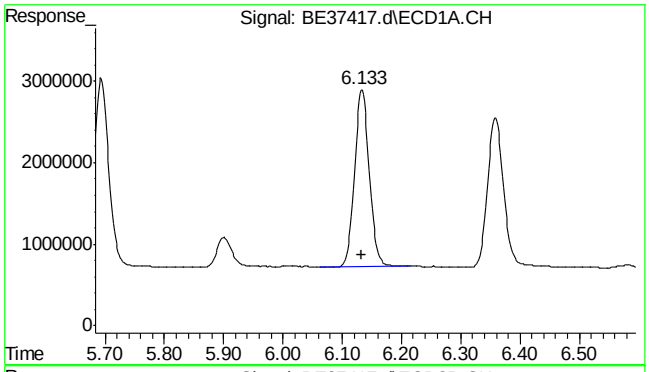
#8 Alachlor

R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 34294645
Conc: 57.79 ppb



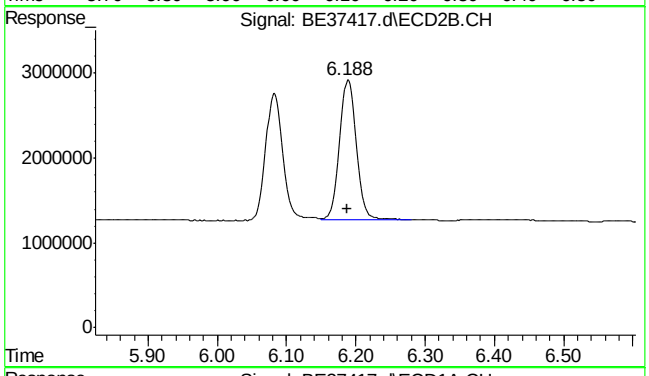
#8 Alachlor

R.T.: 6.082 min
Delta R.T.: 0.002 min
Response: 25617674
Conc: 80.48 ppb



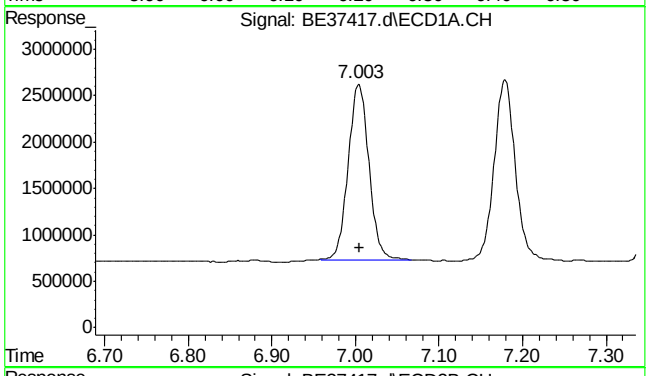
#9 Aldrin

R.T.: 6.134 min
Delta R.T.: 0.000 min
Response: 37359082
Conc: 5.03 ppb



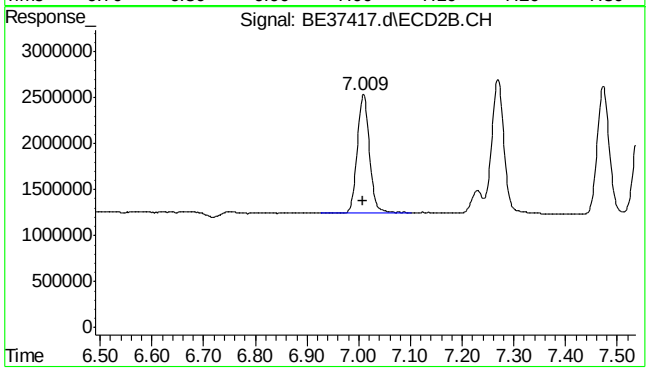
#9 Aldrin

R.T.: 6.189 min
Delta R.T.: 0.001 min
Response: 27530026
Conc: 7.06 ppb



#10 Heptachlor Epoxide

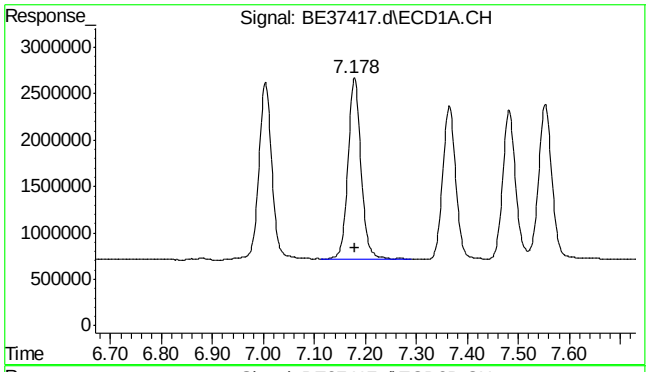
R.T.: 7.003 min
Delta R.T.: -0.001 min
Response: 32739891
Conc: 5.38 ppb m



#10 Heptachlor Epoxide

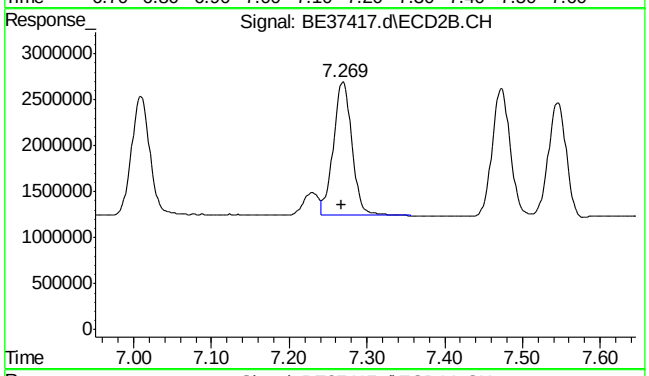
R.T.: 7.009 min
Delta R.T.: 0.002 min
Response: 20870720
Conc: 8.72 ppb

11.6.8
11



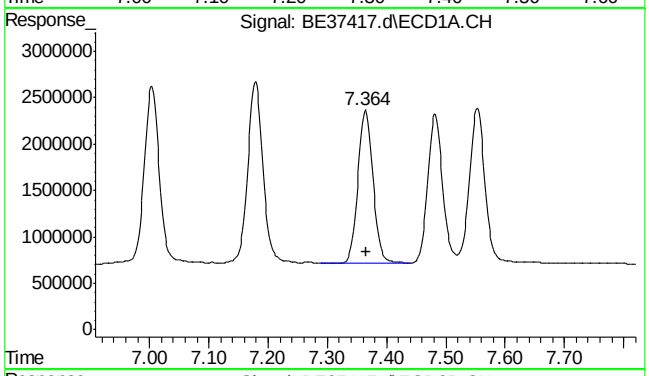
#11 Gamma-Chlordane

R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 34970166
Conc: 5.13 ppb



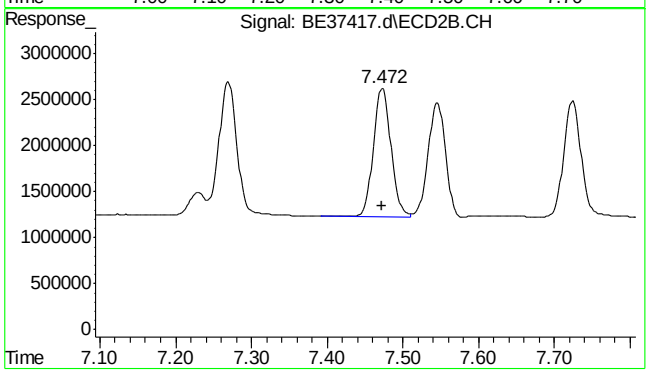
#11 Gamma-Chlordane

R.T.: 7.269 min
Delta R.T.: 0.000 min
Response: 23925413
Conc: 6.97 ppb m



#12 Alpha-Chlordane

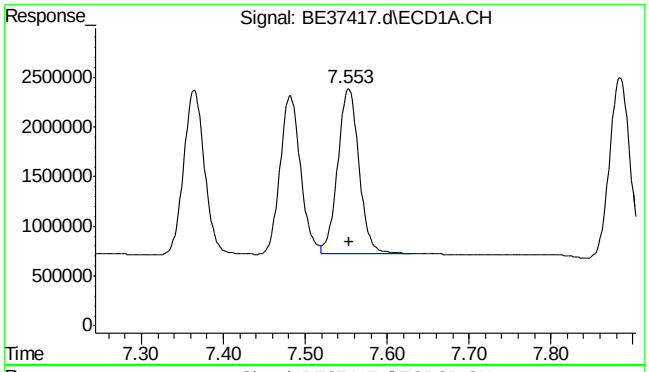
R.T.: 7.365 min
Delta R.T.: -0.001 min
Response: 29137884
Conc: 6.22 ppb



#12 Alpha-Chlordane

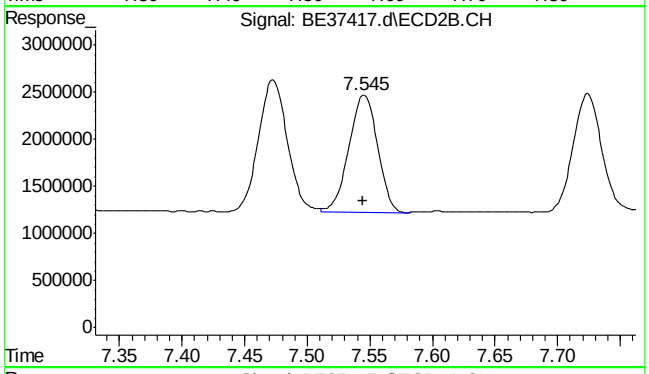
R.T.: 7.473 min
Delta R.T.: 0.001 min
Response: 22474713
Conc: 6.83 ppb

11.6.8
11



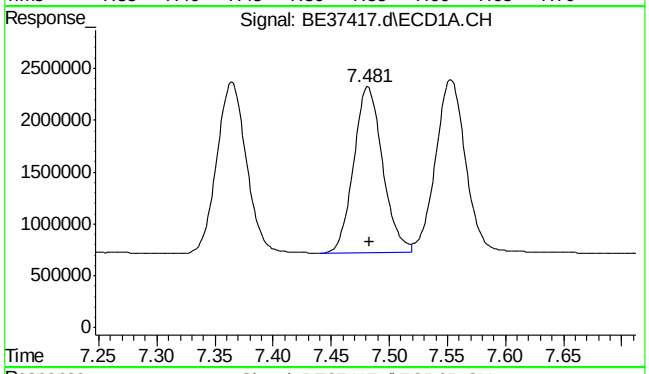
#13 Endosulfan-I

R.T.: 7.553 min
Delta R.T.: 0.000 min
Response: 29976486
Conc: 5.16 ppb



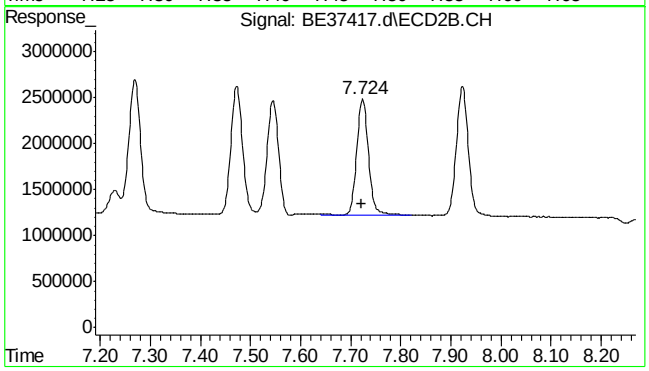
#13 Endosulfan-I

R.T.: 7.546 min
Delta R.T.: 0.001 min
Response: 19883004
Conc: 6.57 ppb



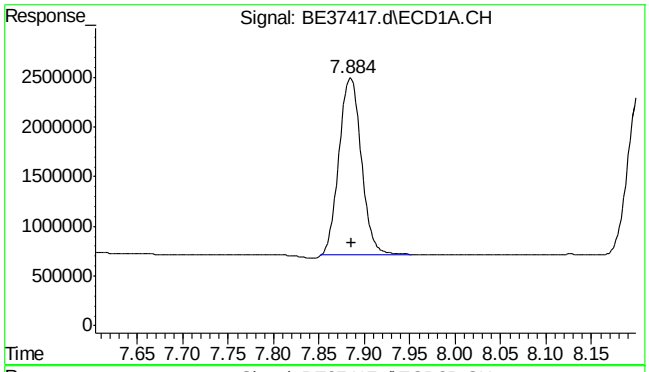
#14 4,4'-DDE

R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 27750660
Conc: 5.62 ppb



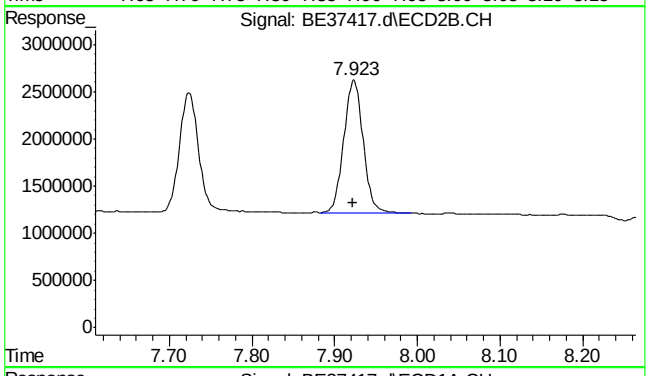
#14 4,4'-DDE

R.T.: 7.724 min
Delta R.T.: 0.001 min
Response: 20328227
Conc: 6.95 ppb



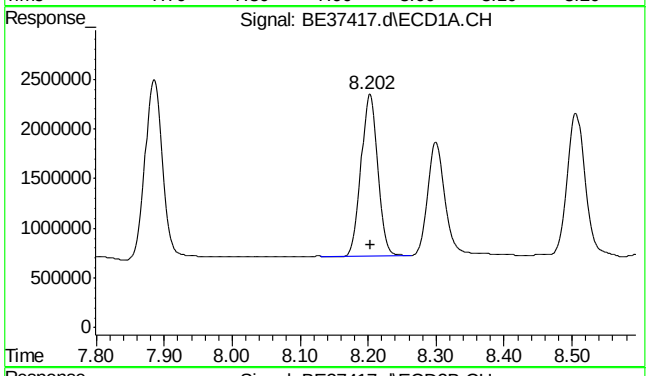
#15 Dieldrin

R.T.: 7.884 min
Delta R.T.: -0.001 min
Response: 30392117
Conc: 5.72 ppb m



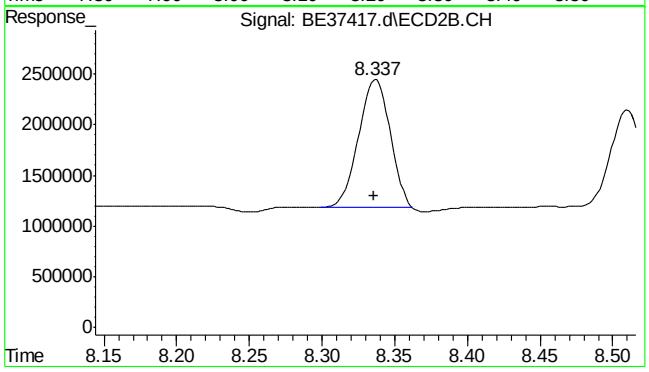
#15 Dieldrin

R.T.: 7.923 min
Delta R.T.: 0.001 min
Response: 23071076
Conc: 6.93 ppb m



#16 Endrin

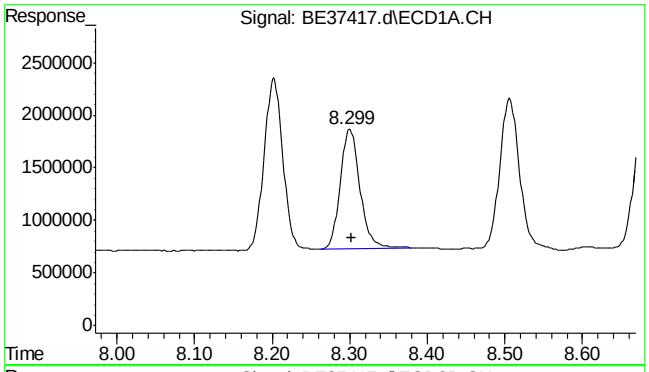
R.T.: 8.202 min
Delta R.T.: -0.001 min
Response: 26999041
Conc: 5.55 ppb



#16 Endrin

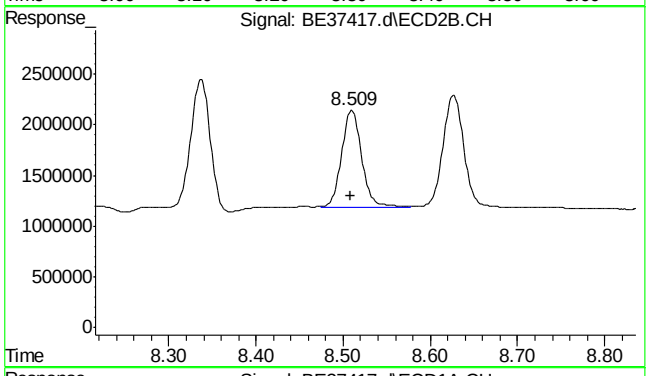
R.T.: 8.337 min
Delta R.T.: 0.000 min
Response: 18933130
Conc: 7.12 ppb m

11.6.8 11



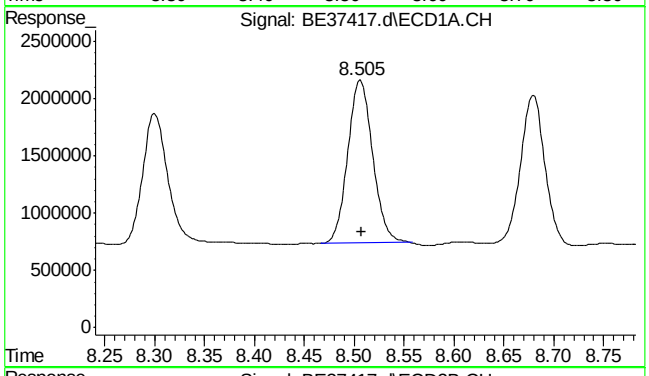
#17 4,4'-DDD

R.T.: 8.300 min
Delta R.T.: -0.002 min
Response: 19992492
Conc: 4.91 ppb



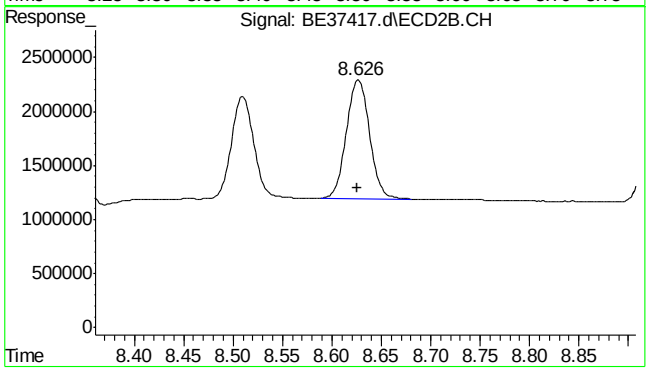
#17 4,4'-DDD

R.T.: 8.509 min
Delta R.T.: 0.001 min
Response: 15146357
Conc: 6.58 ppb m



#18 Endosulfan-II

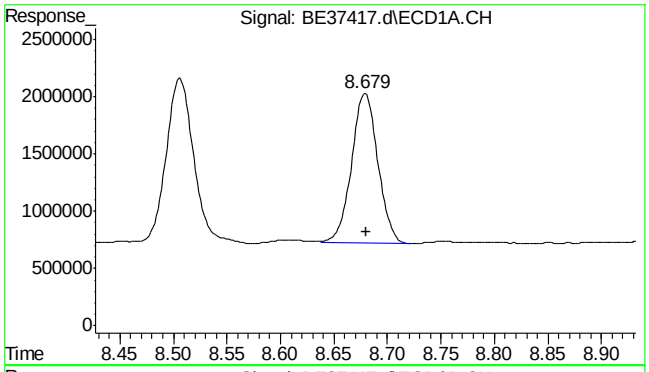
R.T.: 8.505 min
Delta R.T.: -0.002 min
Response: 24543694
Conc: 5.32 ppb m



#18 Endosulfan-II

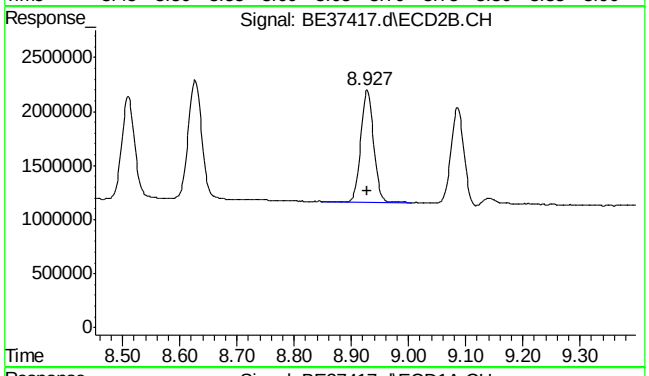
R.T.: 8.626 min
Delta R.T.: 0.000 min
Response: 18050196
Conc: 6.67 ppb m

11.6.8 11



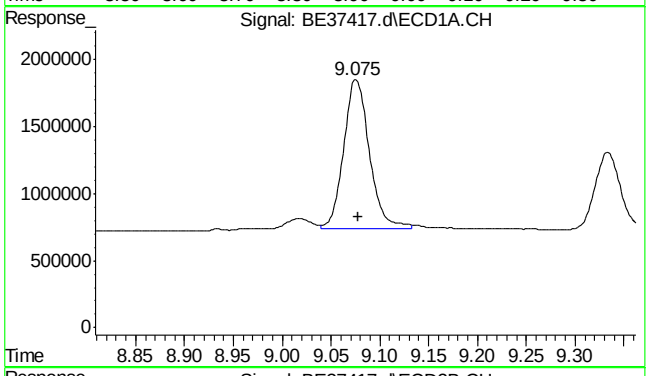
#19 4,4'-DDT

R.T.: 8.679 min
Delta R.T.: -0.002 min
Response: 22354083
Conc: 5.35 ppb m



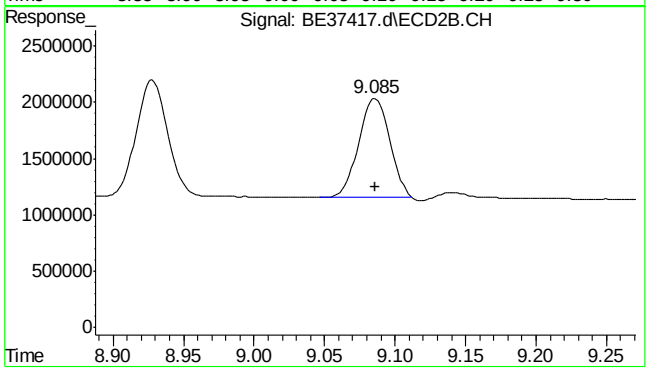
#19 4,4'-DDT

R.T.: 8.928 min
Delta R.T.: 0.000 min
Response: 16262794
Conc: 6.68 ppb



#20 Endrin Aldehyde

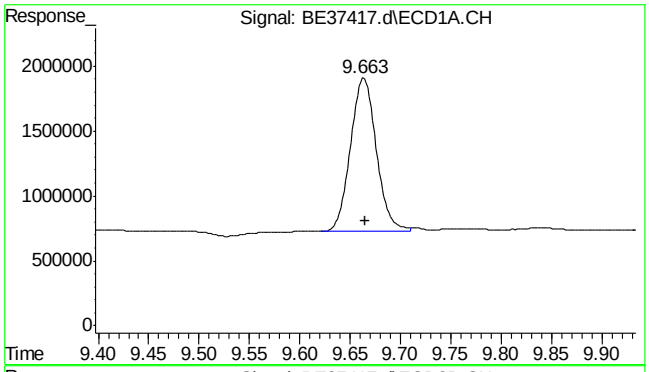
R.T.: 9.075 min
Delta R.T.: -0.003 min
Response: 20319057
Conc: 5.40 ppb m



#20 Endrin Aldehyde

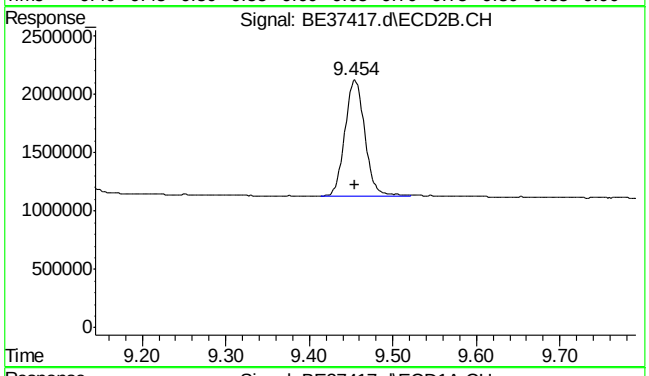
R.T.: 9.085 min
Delta R.T.: 0.000 min
Response: 13473916
Conc: 6.27 ppb m

11.6.8 11



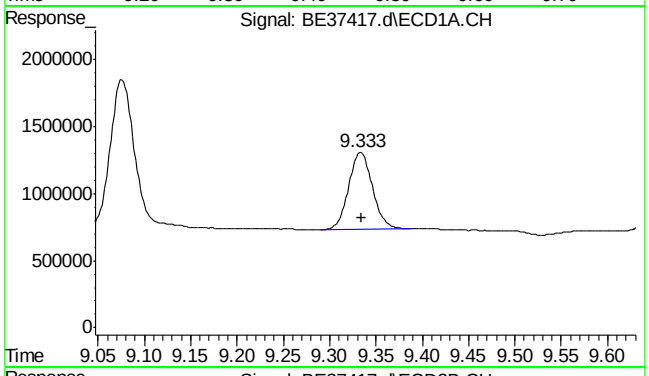
#21 Endosulfan Sulfate

R.T.: 9.663 min
Delta R.T.: -0.002 min
Response: 21144400
Conc: 5.06 ppb m



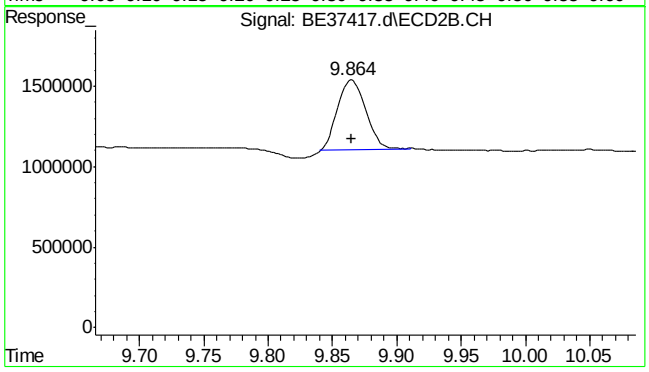
#21 Endosulfan Sulfate

R.T.: 9.454 min
Delta R.T.: 0.000 min
Response: 16359176
Conc: 6.48 ppb m



#22 Methoxychlor

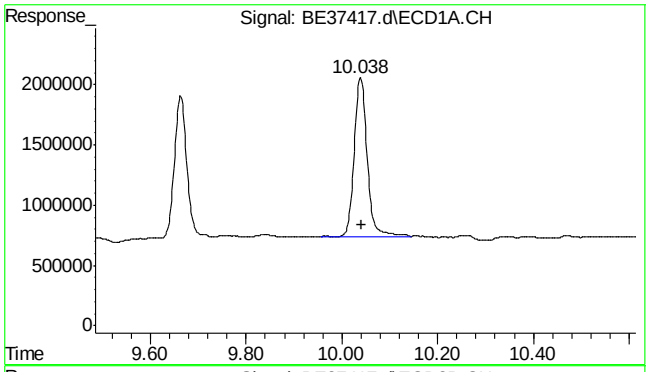
R.T.: 9.333 min
Delta R.T.: -0.002 min
Response: 10331788
Conc: 6.23 ppb m



#22 Methoxychlor

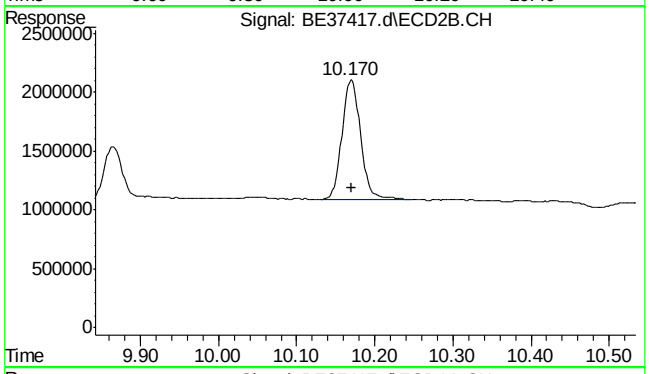
R.T.: 9.864 min
Delta R.T.: 0.000 min
Response: 6657970
Conc: 9.48 ppb m

11.6.8 11



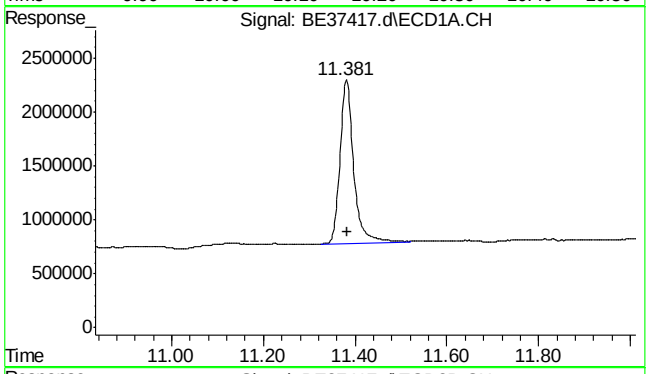
#23 Endrin Ketone

R.T.: 10.039 min
Delta R.T.: -0.002 min
Response: 24651332
Conc: 4.91 ppb



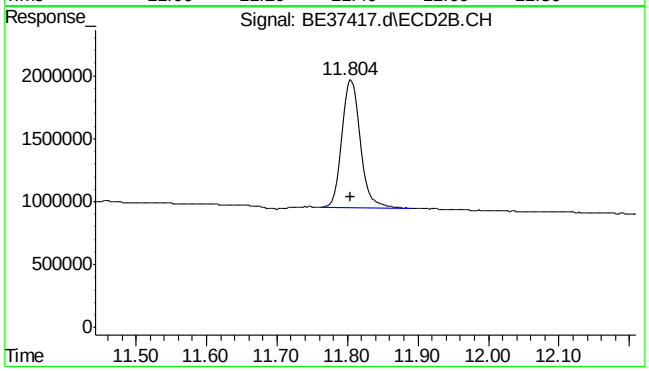
#23 Endrin Ketone

R.T.: 10.170 min
Delta R.T.: 0.000 min
Response: 16974828
Conc: 5.80 ppb m



#38 DCB

R.T.: 11.381 min
Delta R.T.: 0.000 min
Response: 31700054
Conc: 10.03 ppb m



#38 DCB

R.T.: 11.804 min
Delta R.T.: 0.000 min
Response: 18240823
Conc: 10.91 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37418.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 17:03:05
Operator : andrip
Sample : ic1943-5,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 84 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:52:37 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:44:51 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.639	3.596	18063287	13437371	6.105	6.507m
	Spiked Amount 40.000			Recovery	=	15.26%	16.27%
38) s	DCB	11.380	11.804	13416157	7566243	5.931m	6.326m
	Spiked Amount 40.000			Recovery	=	14.83%	15.81%
	Target Compounds						
2)	Hexachlor...	4.240	4.319	24319812	17135748	4.612	5.301
3)	Alpha-BHC	4.499	4.545	23934914	18979725	3.965	5.061 #
4)	Gamma-BHC	4.983	5.087	22006744	17608753	4.116	5.284 #
5)	Beta-BHC	5.116	5.221	9781600	7476240	4.507	5.595
6)	Heptachlor	5.694	5.725	21909560	16730075	4.570	5.797 #
7)	Delta-BHC	5.380	5.654	21872567	17386068	4.217m	5.449 #
8)	Alachlor	6.358	6.082	20281635	15647289	50.337	65.679 #
9)	Aldrin	6.132	6.189	20986735	15867631	4.251m	5.384 #
10)	Heptachlo...	7.003	7.009	18390675	11964479	4.533	5.987 #
11)	Gamma-Chl...	7.178	7.269	18579058	14273557	4.095	5.584 #
12)	Alpha-Chl...	7.363	7.473	16069419	13169991	4.534	5.349
13)	Endosulfan-I	7.553	7.545	16710684	12231881	4.452	5.442
14)	4,4'-DDE	7.482	7.724	15346015	11893878	4.352	5.372
15)	Dieldrin	7.883	7.923	17738920	14128508	5.055m	5.717
16)	Endrin	8.201	8.336	14837444	11984443	4.338	5.874m#
17)	4,4'-DDD	8.300	8.510	11268985	9141865	4.050	5.365 #
18)	Endosulfa...	8.505	8.626	14089026	10653380	4.482m	5.409
19)	4,4'-DDT	8.678	8.928	12938656	9617657	4.411m	5.339
20)	Endrin Al...	9.075	9.085	11488672	8477599	4.463m	5.423m
21)	Endosulfa...	9.663	9.453	12569818	9987467	4.516m	5.590m
22)	Methoxychlor	9.332	9.864	6227805	4029377	5.024m	6.625m#
23)	Endrin Ke...	10.039	10.169	13893229	10112305	4.253m	5.074m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

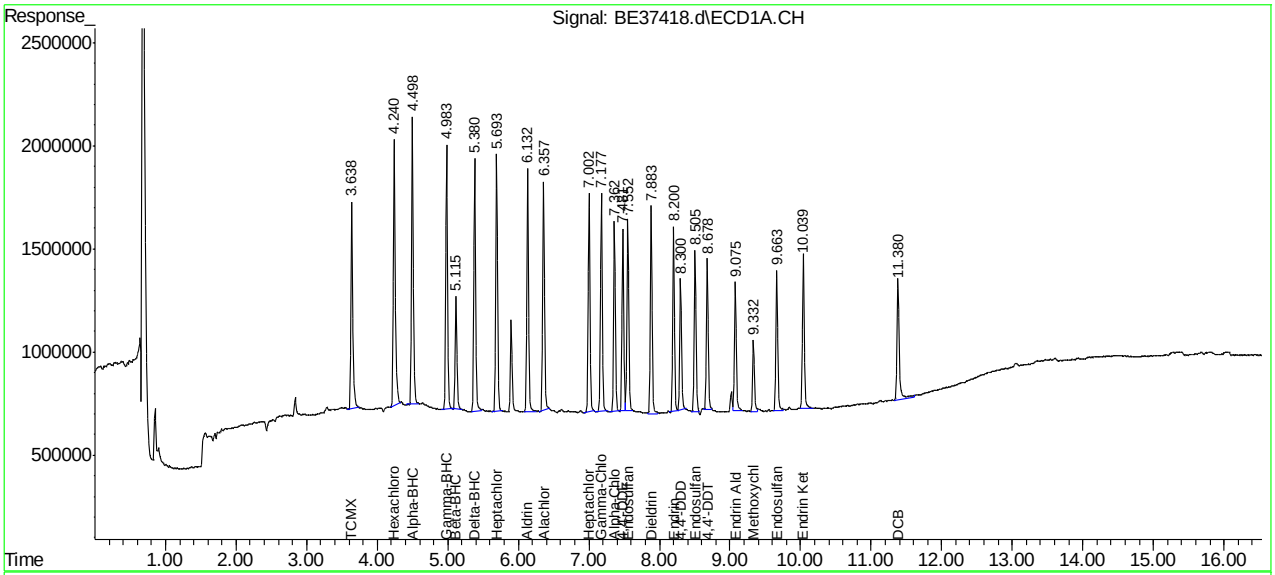
11.6.9 11

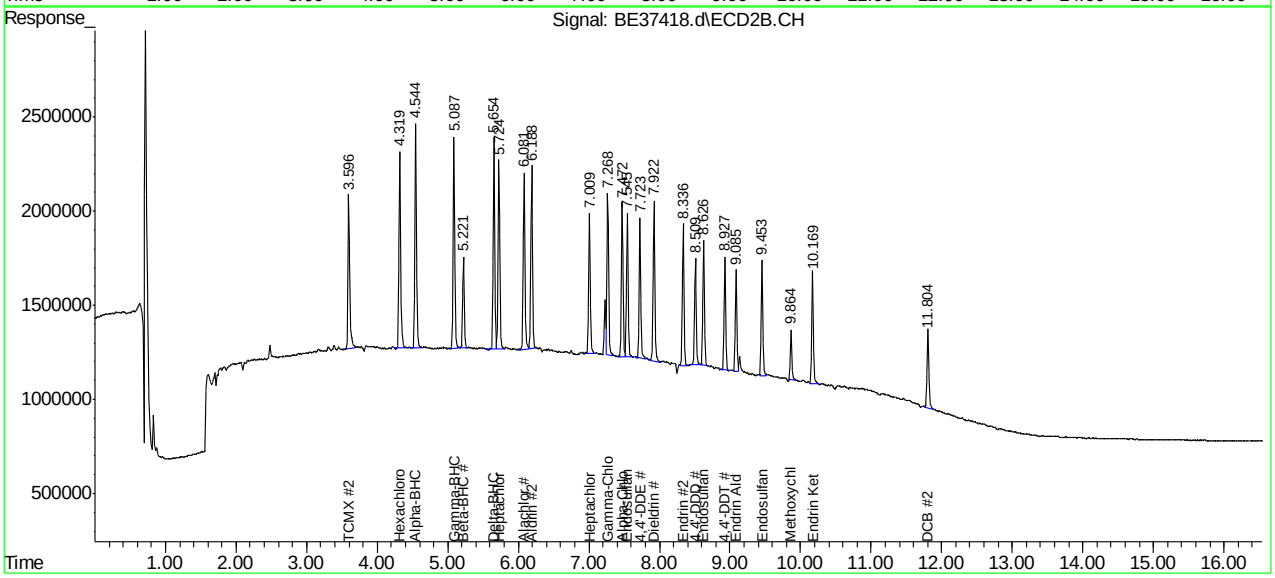
Quantitation Report (QT Reviewed)

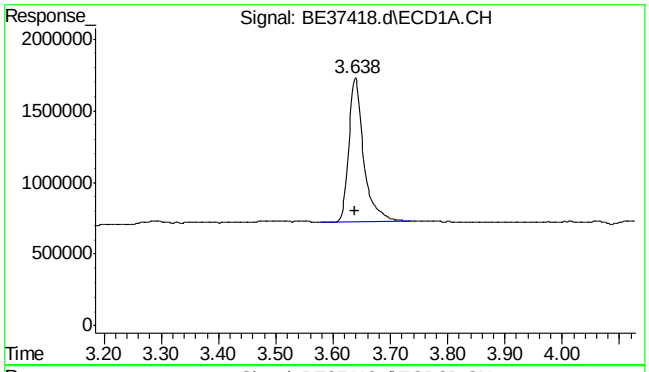
Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37418.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 17:03:05
Operator : andrip
Sample : ic1943-5,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 84 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:52:37 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:44:51 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

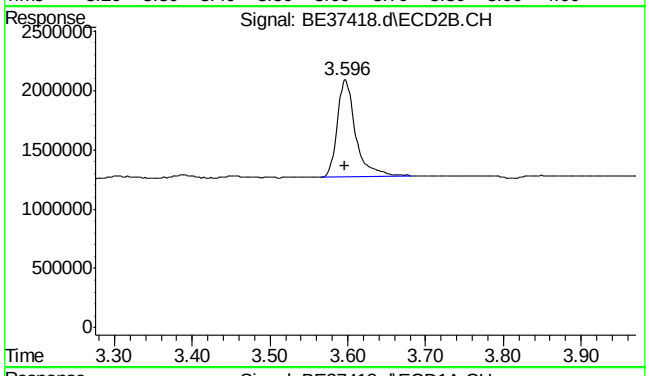






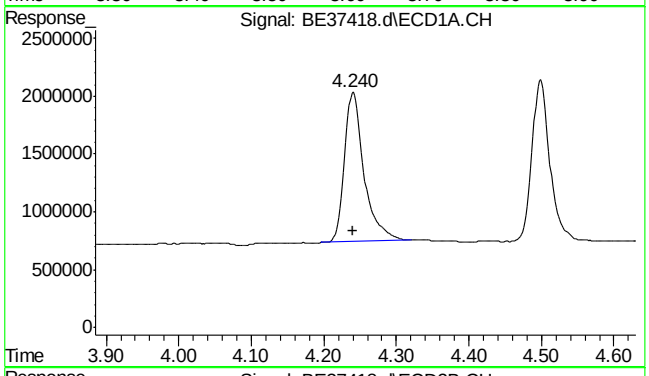
#1 TCMX

R.T.: 3.639 min
Delta R.T.: 0.001 min
Response: 18063287
Conc: 6.11 ppb



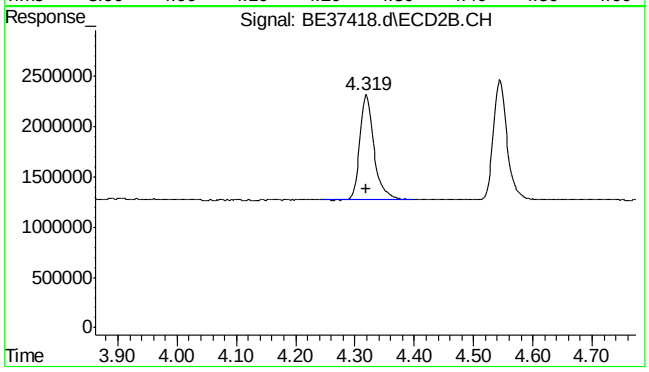
#1 TCMX

R.T.: 3.596 min
Delta R.T.: 0.000 min
Response: 13437371
Conc: 6.51 ppb m



#2 Hexachlorobenzene

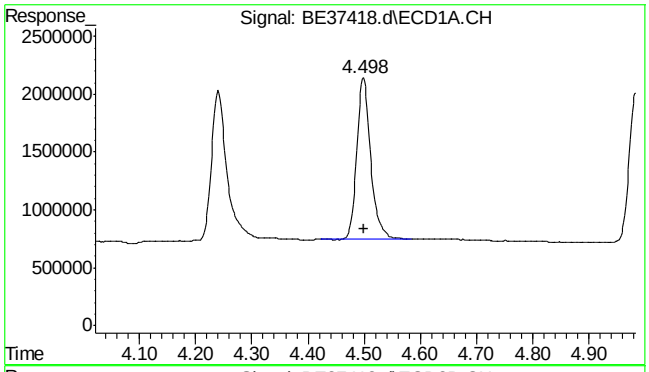
R.T.: 4.240 min
Delta R.T.: 0.000 min
Response: 24319812
Conc: 4.61 ppb



#2 Hexachlorobenzene

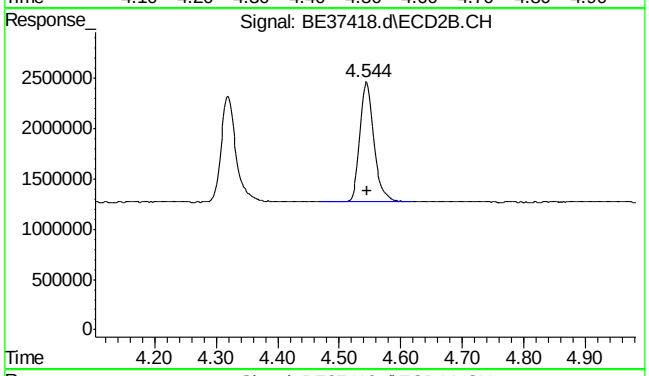
R.T.: 4.319 min
Delta R.T.: 0.000 min
Response: 17135748
Conc: 5.30 ppb

11.6.9 11



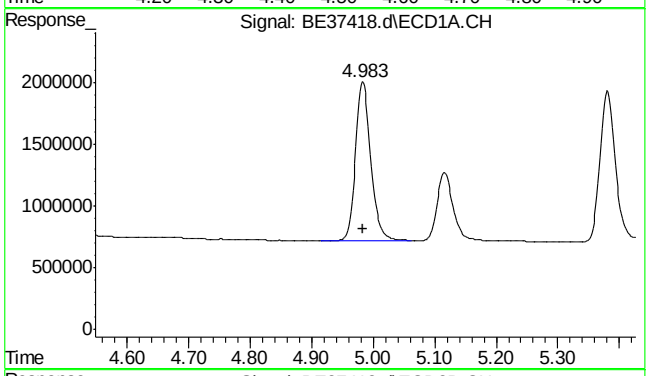
#3 Alpha-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 23934914
Conc: 3.97 ppb



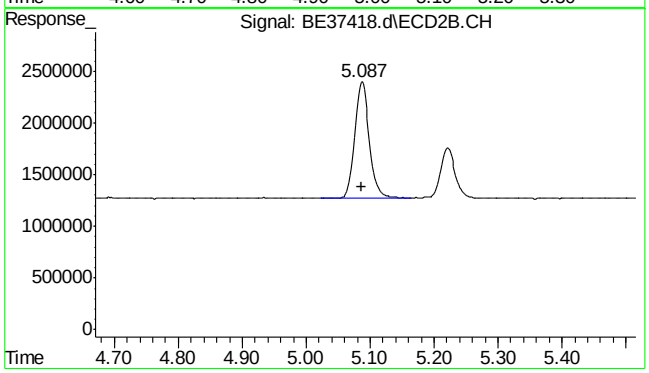
#3 Alpha-BHC

R.T.: 4.545 min
Delta R.T.: 0.000 min
Response: 18979725
Conc: 5.06 ppb



#4 Gamma-BHC

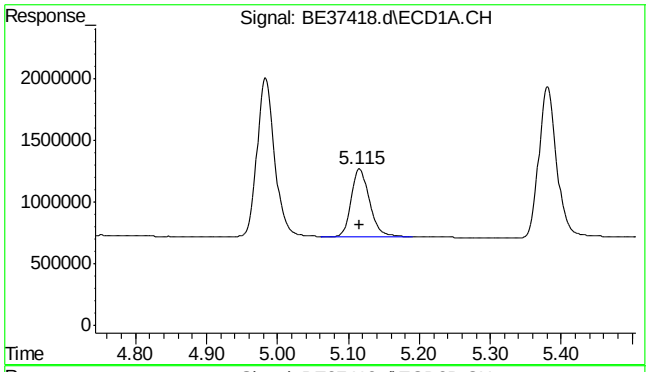
R.T.: 4.983 min
Delta R.T.: 0.000 min
Response: 22006744
Conc: 4.12 ppb



#4 Gamma-BHC

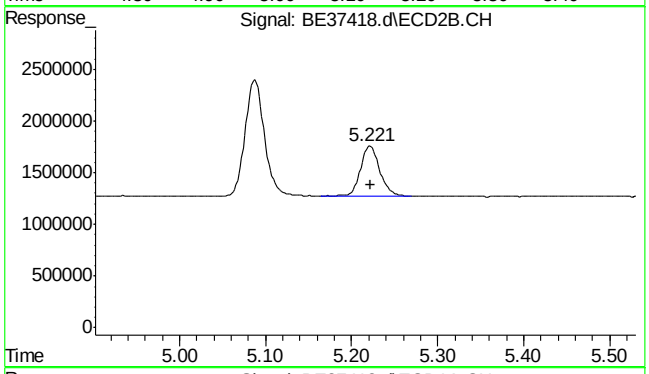
R.T.: 5.087 min
Delta R.T.: 0.000 min
Response: 17608753
Conc: 5.28 ppb

11.6.9 11



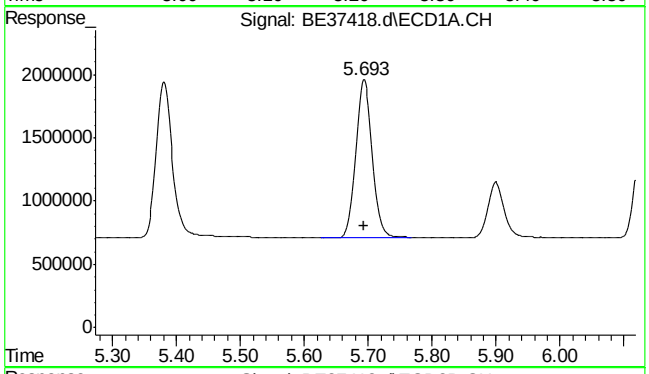
#5 Beta-BHC

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 9781600
Conc: 4.51 ppb



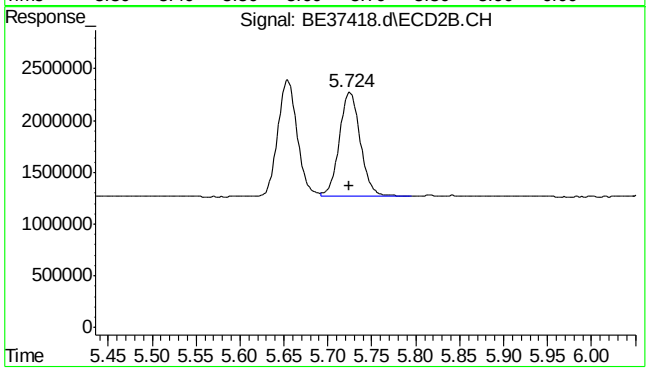
#5 Beta-BHC

R.T.: 5.221 min
Delta R.T.: 0.000 min
Response: 7476240
Conc: 5.59 ppb



#6 Heptachlor

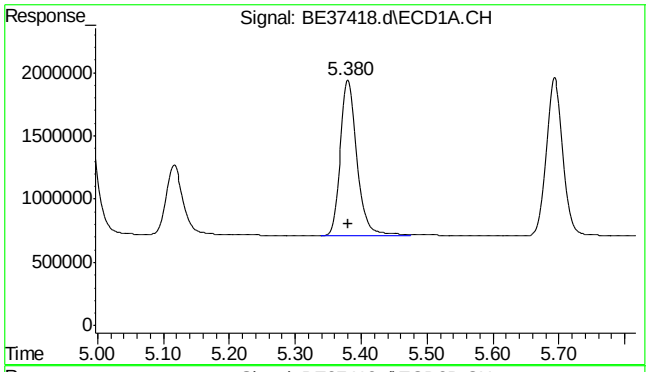
R.T.: 5.694 min
Delta R.T.: 0.000 min
Response: 21909560
Conc: 4.57 ppb



#6 Heptachlor

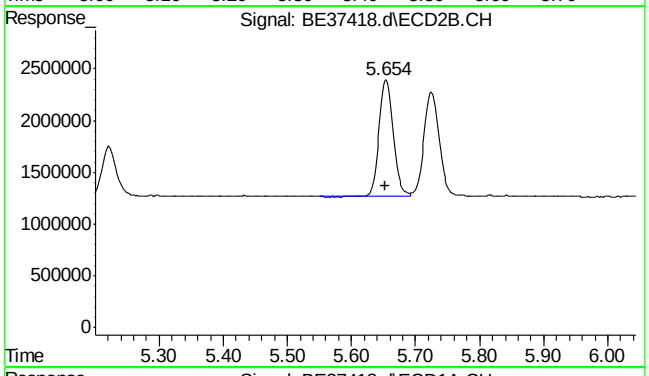
R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 16730075
Conc: 5.80 ppb

11.6.9 11



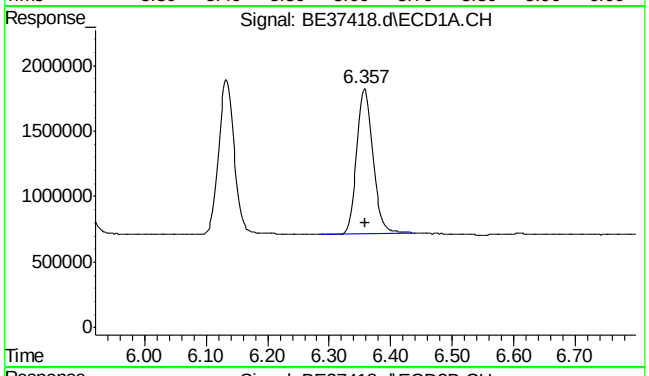
#7 Delta-BHC

R.T.: 5.380 min
Delta R.T.: -0.001 min
Response: 21872567
Conc: 4.22 ppb m



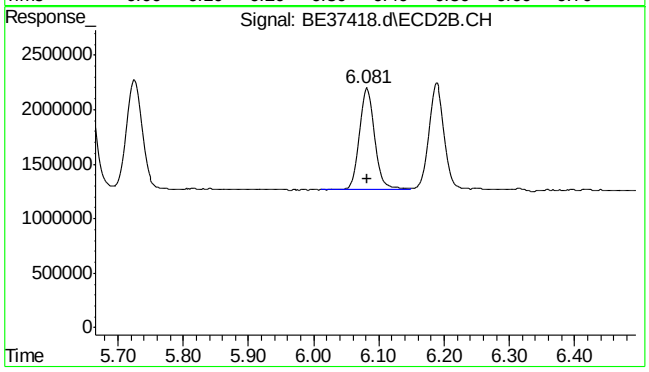
#7 Delta-BHC

R.T.: 5.654 min
Delta R.T.: 0.000 min
Response: 17386068
Conc: 5.45 ppb



#8 Alachlor

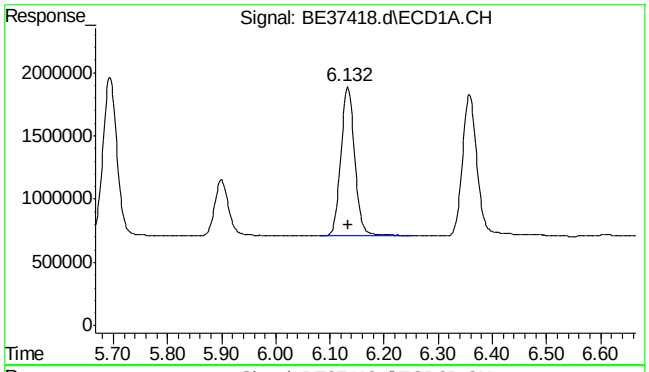
R.T.: 6.358 min
Delta R.T.: 0.000 min
Response: 20281635
Conc: 50.34 ppb



#8 Alachlor

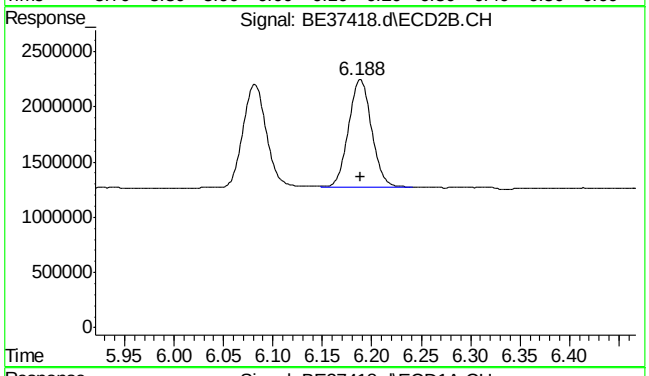
R.T.: 6.082 min
Delta R.T.: 0.000 min
Response: 15647289
Conc: 65.68 ppb

11.6.9 11



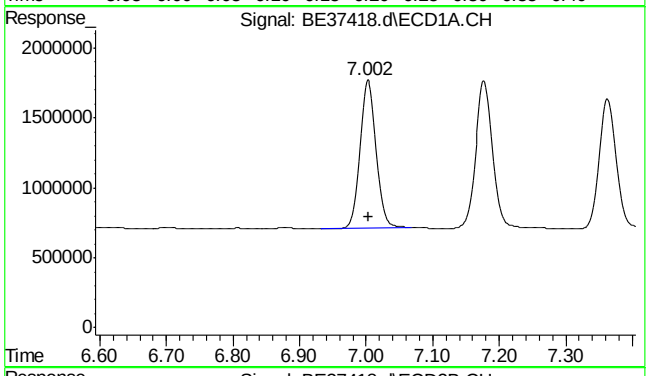
#9 Aldrin

R.T.: 6.132 min
Delta R.T.: -0.001 min
Response: 20986735
Conc: 4.25 ppb m



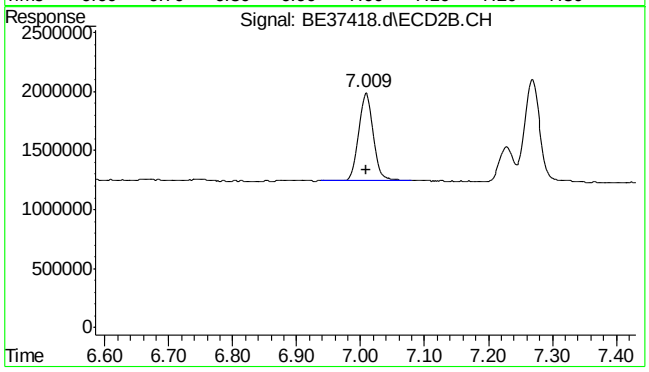
#9 Aldrin

R.T.: 6.189 min
Delta R.T.: 0.000 min
Response: 15867631
Conc: 5.38 ppb



#10 Heptachlor Epoxide

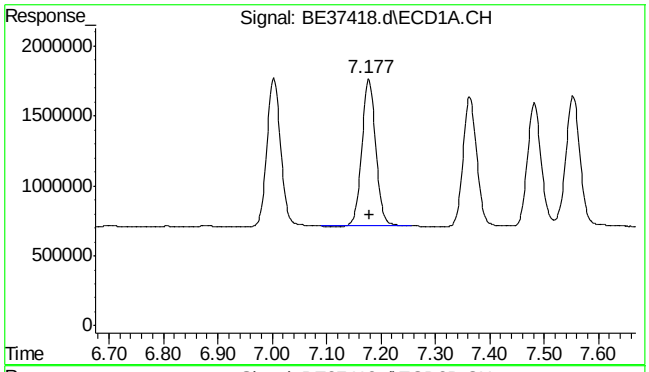
R.T.: 7.003 min
Delta R.T.: 0.000 min
Response: 18390675
Conc: 4.53 ppb



#10 Heptachlor Epoxide

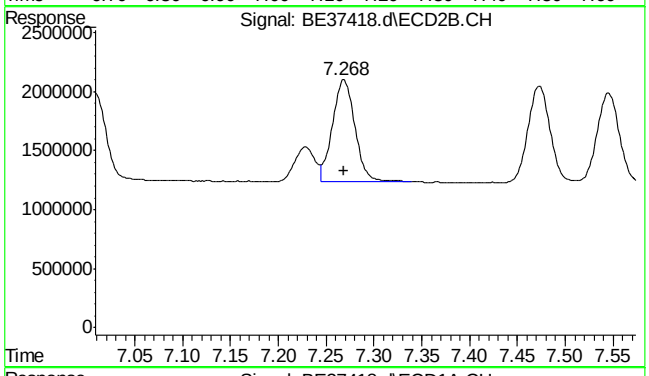
R.T.: 7.009 min
Delta R.T.: 0.000 min
Response: 11964479
Conc: 5.99 ppb

11.6.9 11



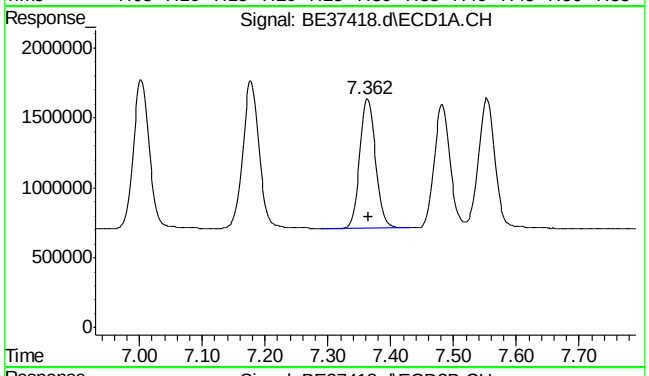
#11 Gamma-Chlordane

R.T.: 7.178 min
Delta R.T.: -0.001 min
Response: 18579058
Conc: 4.09 ppb



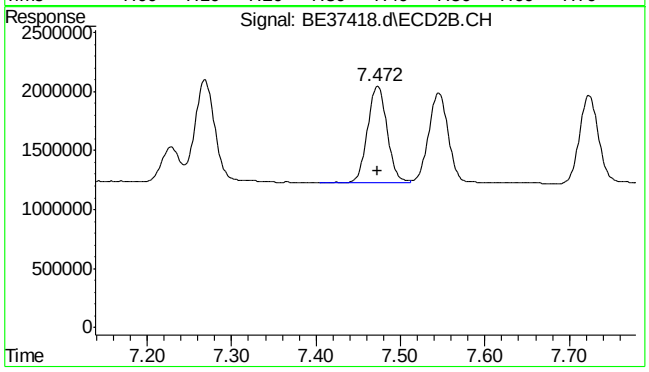
#11 Gamma-Chlordane

R.T.: 7.269 min
Delta R.T.: 0.000 min
Response: 14273557
Conc: 5.58 ppb



#12 Alpha-Chlordane

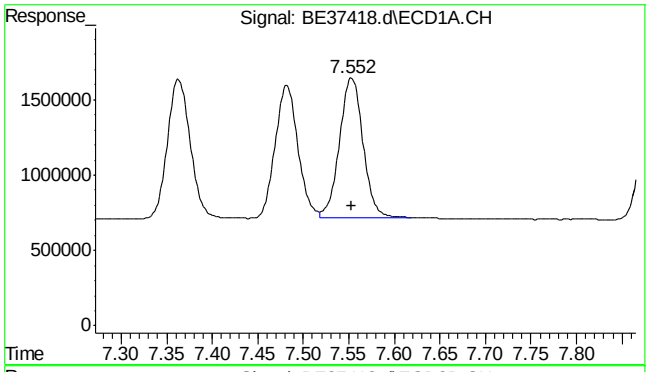
R.T.: 7.363 min
Delta R.T.: -0.002 min
Response: 16069419
Conc: 4.53 ppb



#12 Alpha-Chlordane

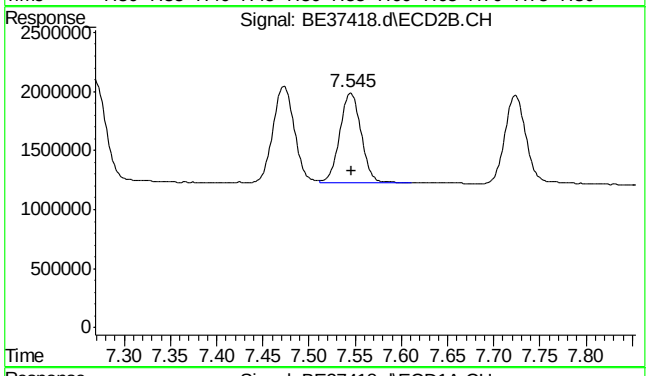
R.T.: 7.473 min
Delta R.T.: 0.000 min
Response: 13169991
Conc: 5.35 ppb

11.6.9 11



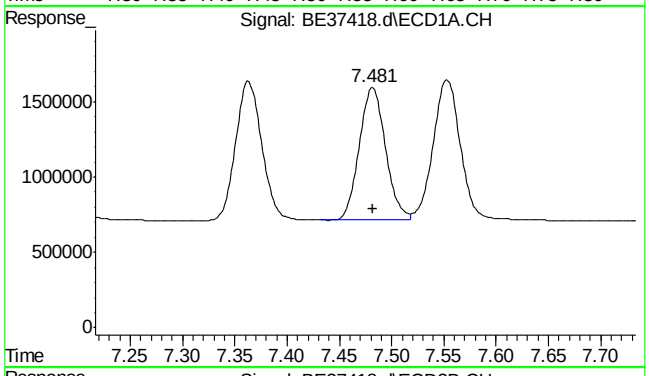
#13 Endosulfan-I

R.T.: 7.553 min
Delta R.T.: 0.000 min
Response: 16710684
Conc: 4.45 ppb



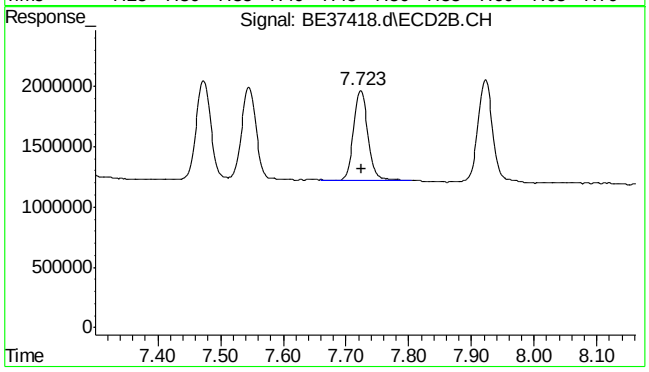
#13 Endosulfan-I

R.T.: 7.545 min
Delta R.T.: 0.000 min
Response: 12231881
Conc: 5.44 ppb



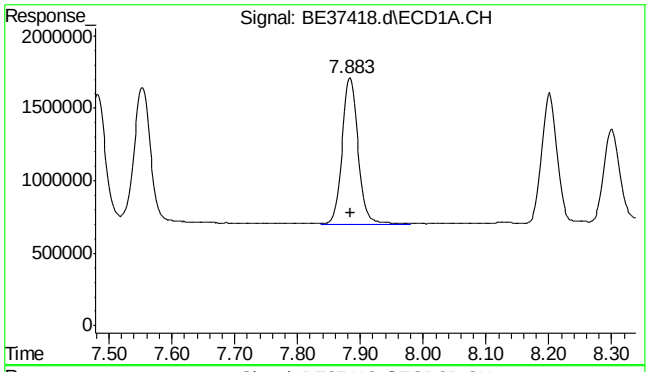
#14 4,4'-DDE

R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 15346015
Conc: 4.35 ppb



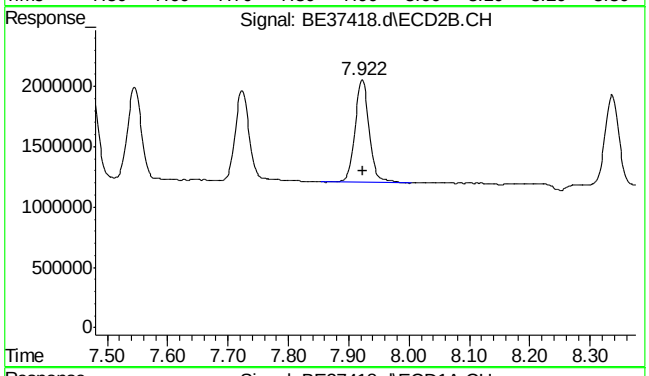
#14 4,4'-DDE

R.T.: 7.724 min
Delta R.T.: 0.000 min
Response: 11893878
Conc: 5.37 ppb



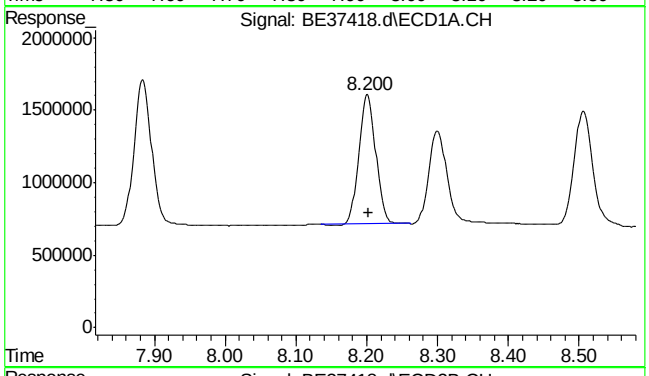
#15 Dieldrin

R.T.: 7.883 min
Delta R.T.: -0.001 min
Response: 17738920
Conc: 5.06 ppb m



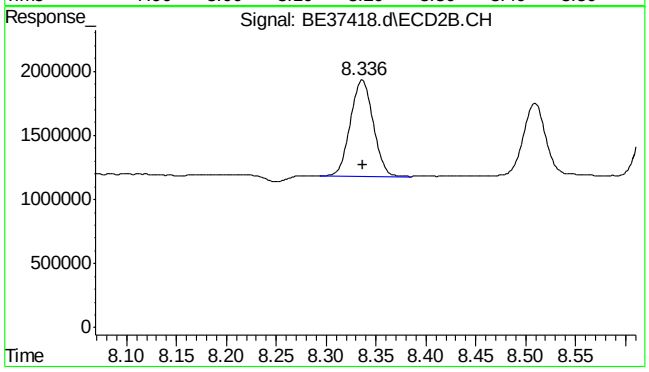
#15 Dieldrin

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 14128508
Conc: 5.72 ppb



#16 Endrin

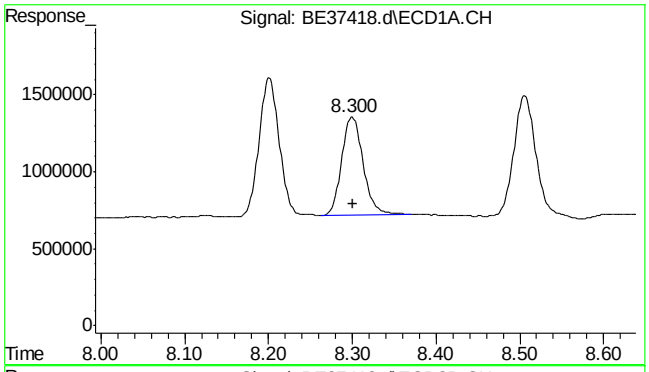
R.T.: 8.201 min
Delta R.T.: 0.000 min
Response: 14837444
Conc: 4.34 ppb



#16 Endrin

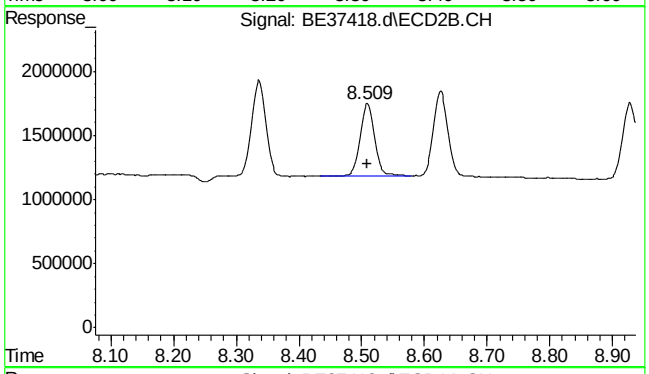
R.T.: 8.336 min
Delta R.T.: 0.000 min
Response: 11984443
Conc: 5.87 ppb m

11.6.9 11



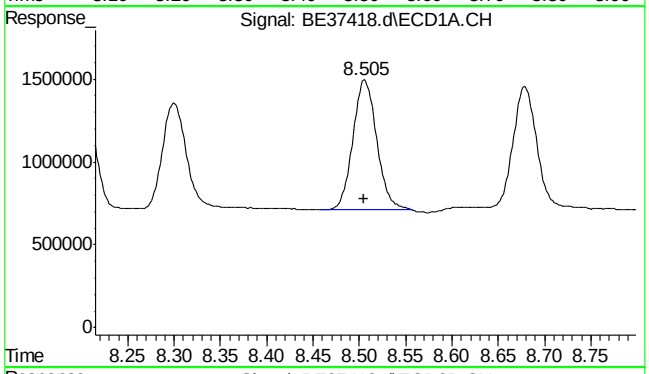
#17 4,4'-DDD

R.T.: 8.300 min
Delta R.T.: 0.000 min
Response: 11268985
Conc: 4.05 ppb



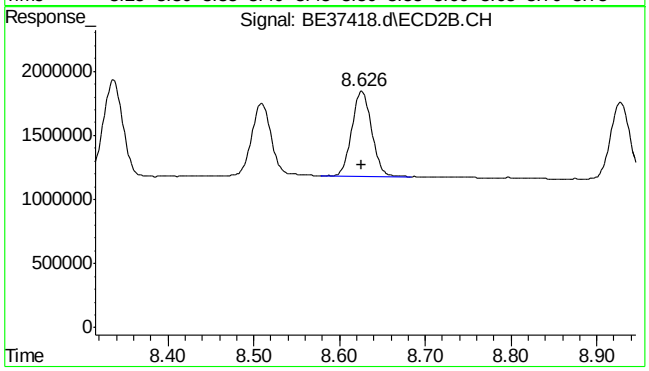
#17 4,4'-DDD

R.T.: 8.510 min
Delta R.T.: 0.000 min
Response: 9141865
Conc: 5.36 ppb



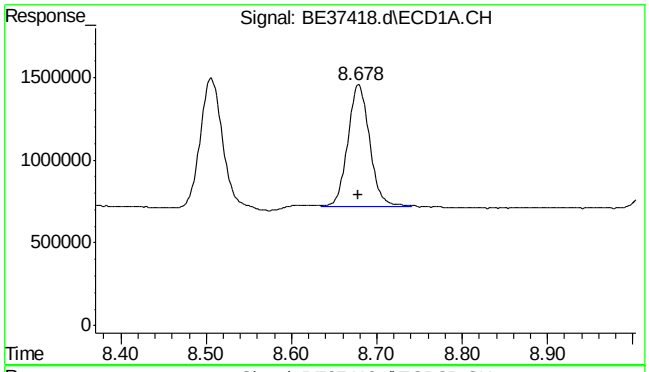
#18 Endosulfan-II

R.T.: 8.505 min
Delta R.T.: 0.000 min
Response: 14089026
Conc: 4.48 ppb m



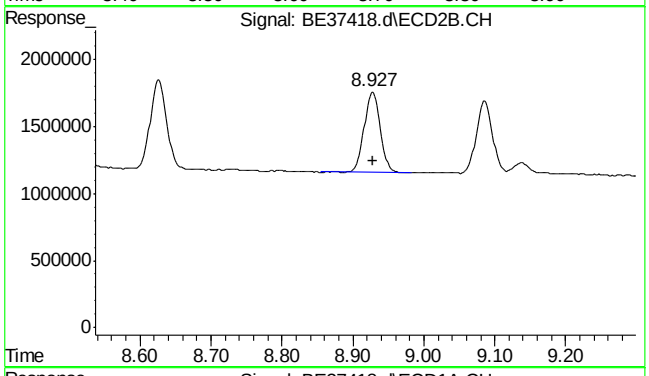
#18 Endosulfan-II

R.T.: 8.626 min
Delta R.T.: 0.000 min
Response: 10653380
Conc: 5.41 ppb



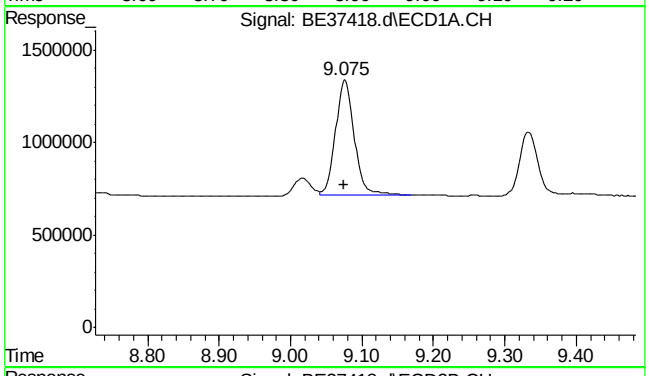
#19 4,4'-DDT

R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 12938656
Conc: 4.41 ppb m



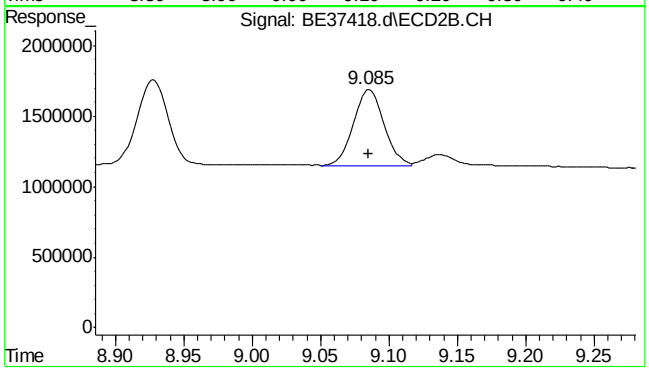
#19 4,4'-DDT

R.T.: 8.928 min
Delta R.T.: 0.000 min
Response: 9617657
Conc: 5.34 ppb



#20 Endrin Aldehyde

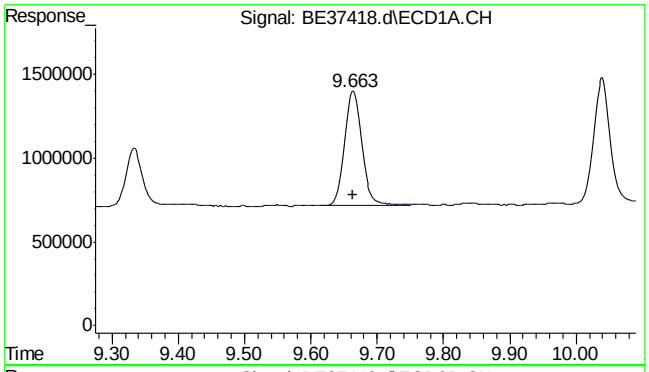
R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 11488672
Conc: 4.46 ppb m



#20 Endrin Aldehyde

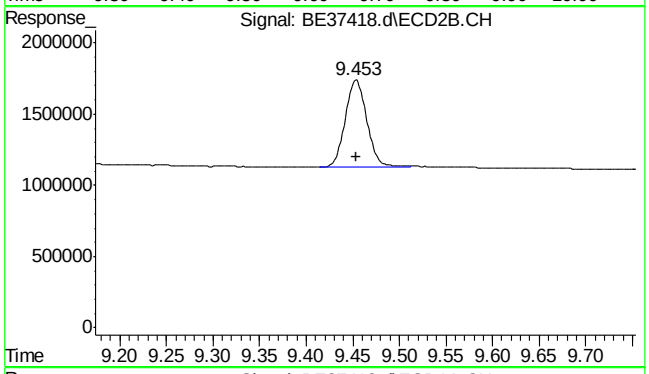
R.T.: 9.085 min
Delta R.T.: 0.000 min
Response: 8477599
Conc: 5.42 ppb m

11.6.9 11



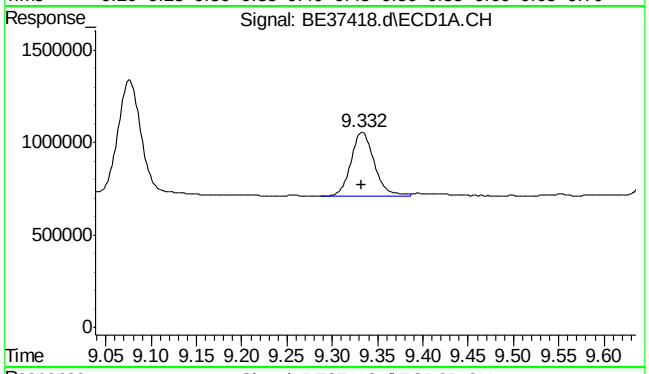
#21 Endosulfan Sulfate

R.T.: 9.663 min
Delta R.T.: 0.000 min
Response: 12569818
Conc: 4.52 ppb m



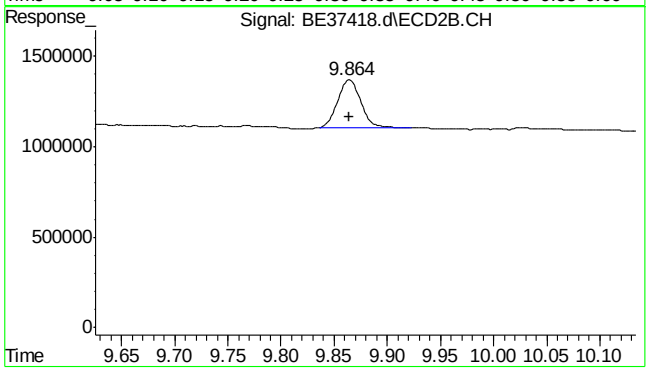
#21 Endosulfan Sulfate

R.T.: 9.453 min
Delta R.T.: 0.000 min
Response: 9987467
Conc: 5.59 ppb m



#22 Methoxychlor

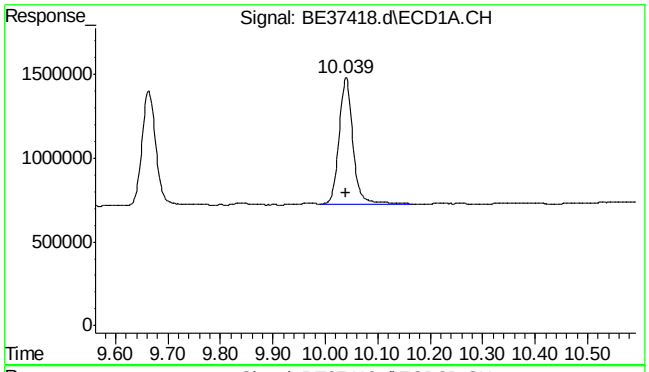
R.T.: 9.332 min
Delta R.T.: 0.000 min
Response: 6227805
Conc: 5.02 ppb m



#22 Methoxychlor

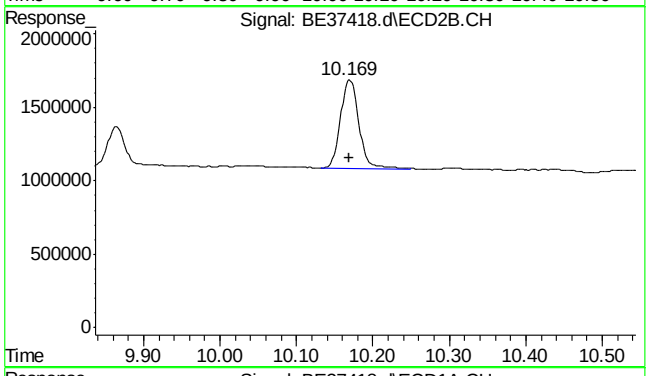
R.T.: 9.864 min
Delta R.T.: 0.000 min
Response: 4029377
Conc: 6.63 ppb m

11.6.9 11



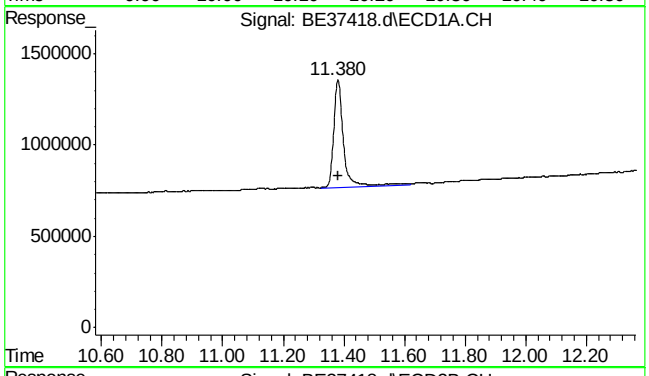
#23 Endrin Ketone

R.T.: 10.039 min
Delta R.T.: 0.000 min
Response: 13893229
Conc: 4.25 ppb m



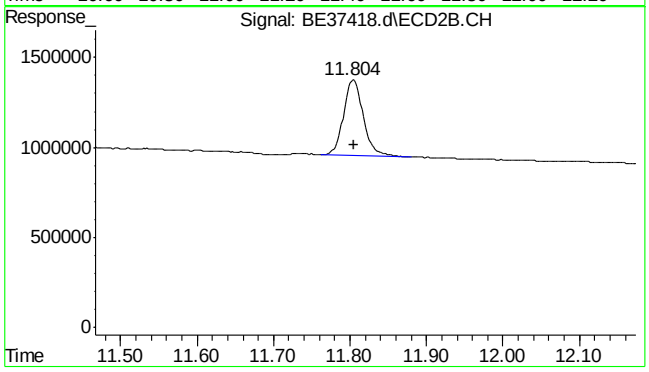
#23 Endrin Ketone

R.T.: 10.169 min
Delta R.T.: 0.000 min
Response: 10112305
Conc: 5.07 ppb m



#38 DCB

R.T.: 11.380 min
Delta R.T.: 0.000 min
Response: 13416157
Conc: 5.93 ppb m



#38 DCB

R.T.: 11.804 min
Delta R.T.: 0.000 min
Response: 7566243
Conc: 6.33 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37419.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 17:23:45
Operator : andrip
Sample : icv1943-100,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 85 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:55:12 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:53:14 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.635	3.596	146.8E6	95199202	50.950	50.633
	Spiked Amount 40.000			Recovery	=	127.38%	126.58%
38) s	DCB	11.379	11.805	97671833	53325841	50.170m	52.099m
	Spiked Amount 40.000			Recovery	=	125.43%	130.25%
	Target Compounds						
2)	Hexachlor...	4.237	4.319	457.1E6	277.9E6	106.215	110.198
3)	Alpha-BHC	4.496	4.545	524.2E6	325.8E6	111.294	109.995
4)	Gamma-BHC	4.981	5.087	469.9E6	294.7E6	110.785	110.436
5)	Beta-BHC	5.113	5.221	190.2E6	120.4E6	107.814	111.390
6)	Heptachlor	5.691	5.725	418.7E6	247.8E6	109.395	111.488
7)	Delta-BHC	5.378	5.654	456.2E6	284.7E6	109.483	110.780
8)	Alachlor	6.357	6.081	279.0E6	158.4E6	1085.626	1106.317
9)	Aldrin	6.132	6.189	419.8E6	247.4E6	110.948	109.628
10)	Heptachlo...	7.002	7.008	344.3E6	200.5E6	110.078	111.412
11)	Gamma-Chl...	7.178	7.270	382.1E6	216.0E6	110.485	110.910
12)	Alpha-Chl...	7.362	7.473	358.8E6	203.4E6	114.410m	111.558
13)	Endosulfan-I	7.551	7.546	330.8E6	184.8E6	113.917	111.138
14)	4,4'-DDE	7.480	7.724	329.6E6	194.2E6	114.632m	111.093
15)	Dieldrin	7.882	7.924	343.0E6	203.9E6	110.337m	111.299
16)	Endrin	8.201	8.337	303.5E6	175.2E6	111.461	110.390
17)	4,4'-DDD	8.299	8.510	251.9E6	149.0E6	112.720m	108.916m
18)	Endosulfa...	8.504	8.627	266.5E6	162.6E6	108.113m	109.965
19)	4,4'-DDT	8.678	8.929	282.7E6	158.7E6	111.193	112.313
20)	Endrin Al...	9.075	9.087	212.5E6	129.7E6	109.523	112.721
21)	Endosulfa...	9.663	9.455	235.7E6	145.7E6	110.011	112.474
22)	Methoxychlor	9.332	9.865	121.8E6	70227443	110.120	112.727m
23)	Endrin Ke...	10.037	10.171	269.3E6	157.1E6	111.472m	111.921

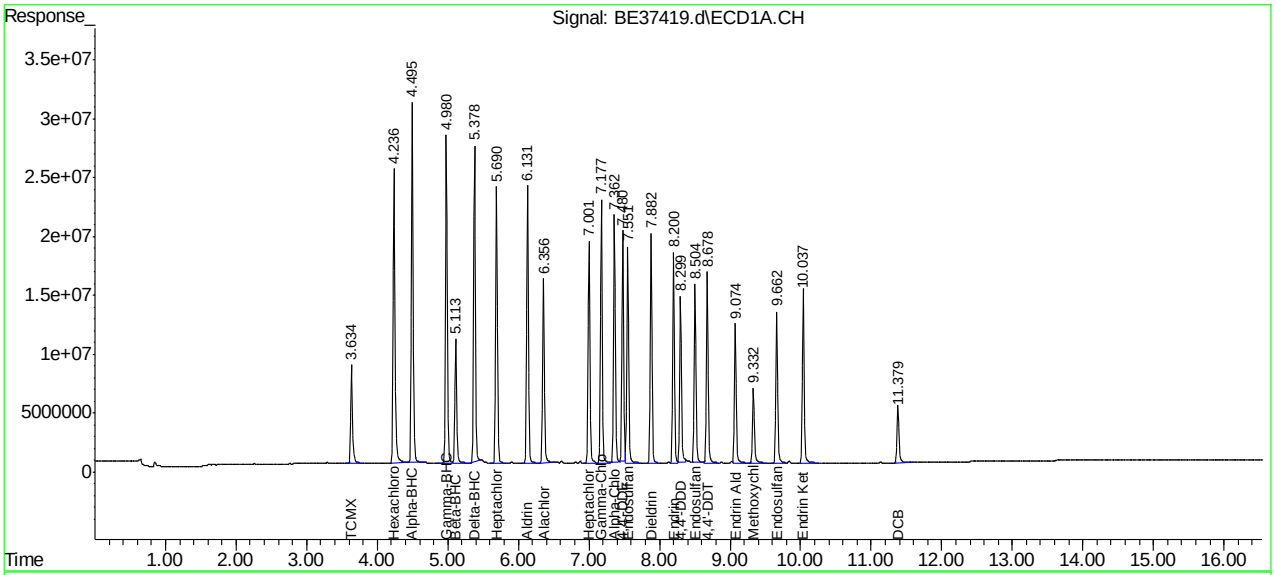
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

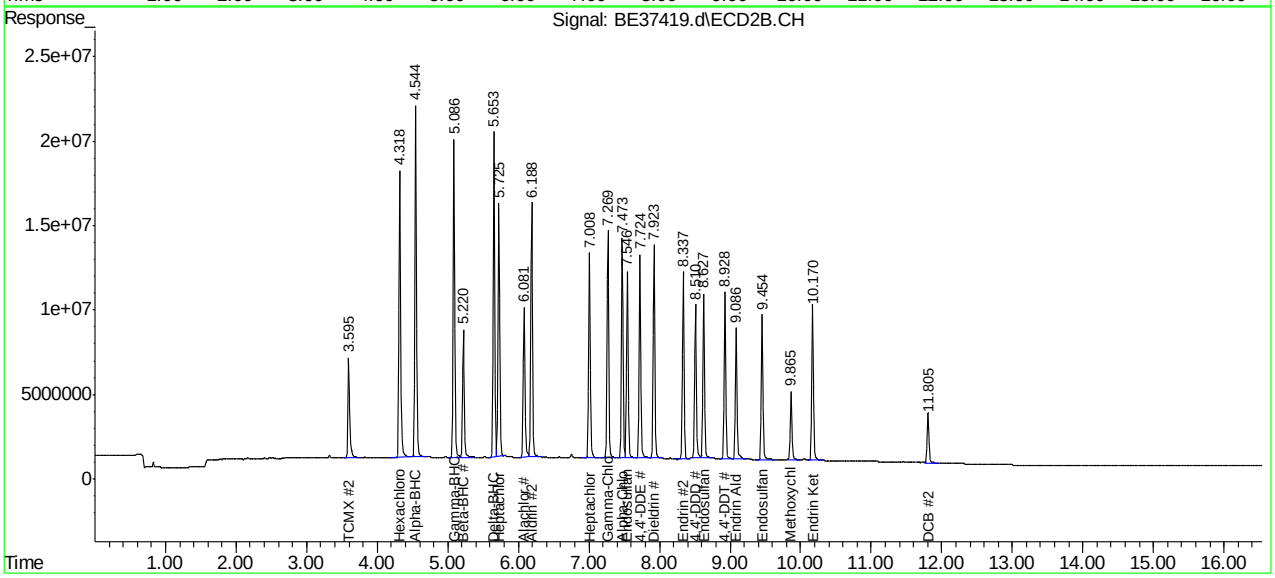
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37419.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 17:23:45
Operator : andrip
Sample : icv1943-100,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 85 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

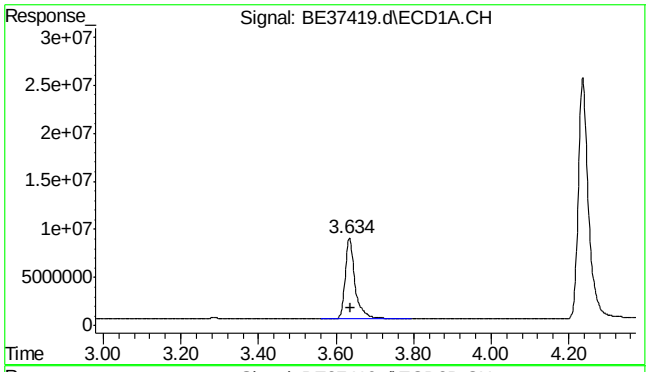
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:55:12 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:53:14 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



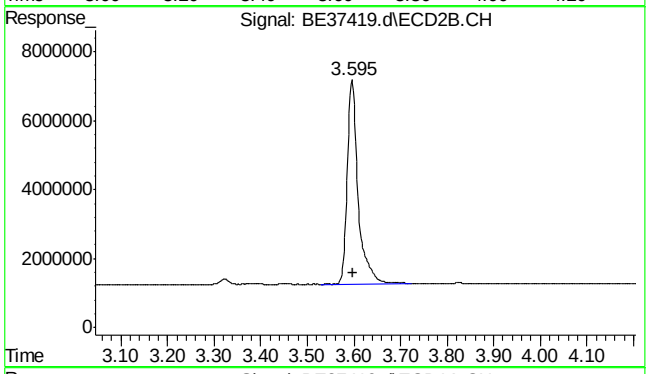


ACCUTEST LABORATORIES MC23272



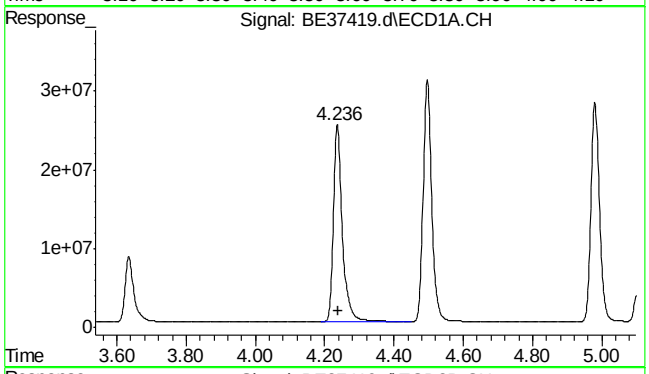
#1 TCMX

R.T.: 3.635 min
Delta R.T.: -0.004 min
Response: 146778499
Conc: 50.95 ppb



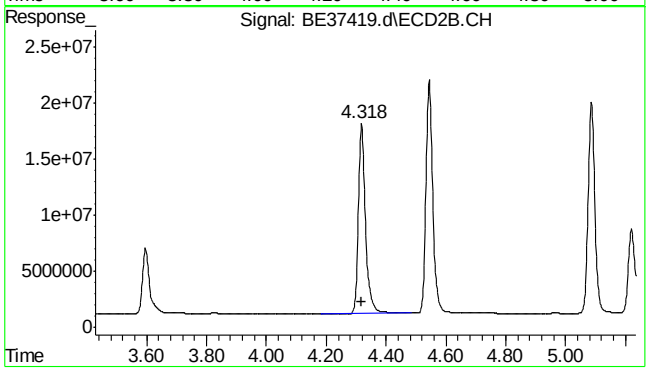
#1 TCMX

R.T.: 3.596 min
Delta R.T.: 0.000 min
Response: 95199202
Conc: 50.63 ppb



#2 Hexachlorobenzene

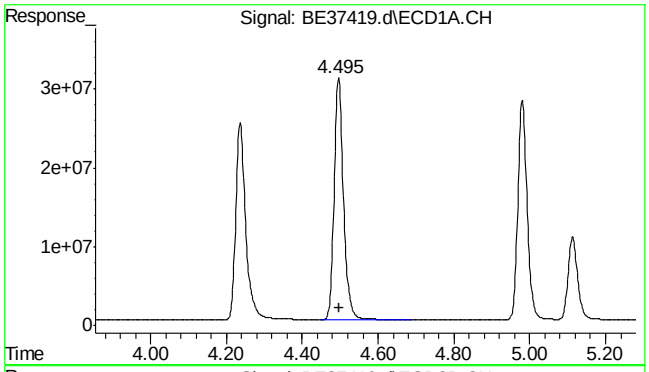
R.T.: 4.237 min
Delta R.T.: -0.004 min
Response: 457079341
Conc: 106.22 ppb



#2 Hexachlorobenzene

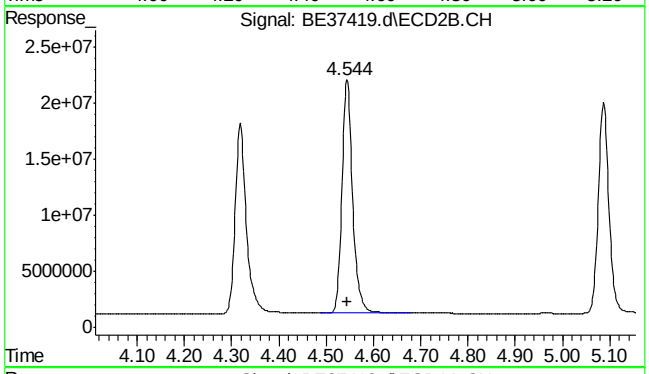
R.T.: 4.319 min
Delta R.T.: 0.000 min
Response: 277887627
Conc: 110.20 ppb

11.6.10
11



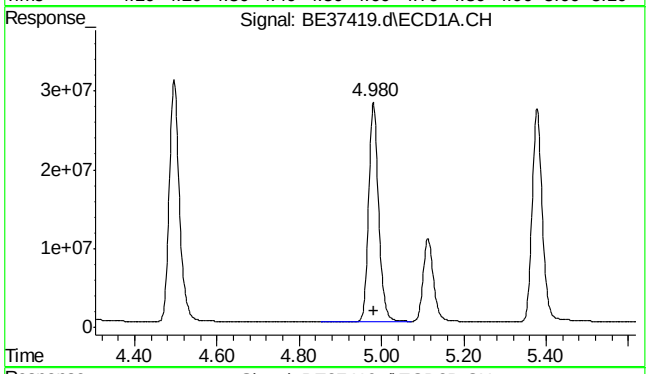
#3 Alpha-BHC

R.T.: 4.496 min
Delta R.T.: -0.003 min
Response: 524211421
Conc: 111.29 ppb



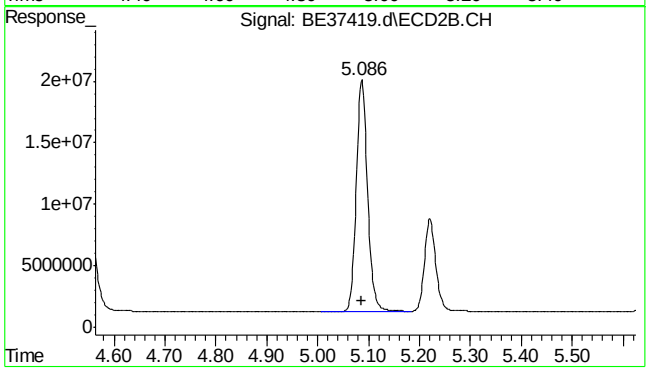
#3 Alpha-BHC

R.T.: 4.545 min
Delta R.T.: 0.000 min
Response: 325808239
Conc: 110.00 ppb



#4 Gamma-BHC

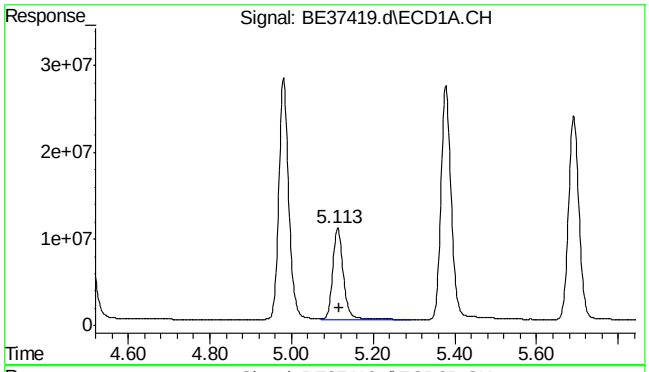
R.T.: 4.981 min
Delta R.T.: -0.003 min
Response: 469886233
Conc: 110.79 ppb



#4 Gamma-BHC

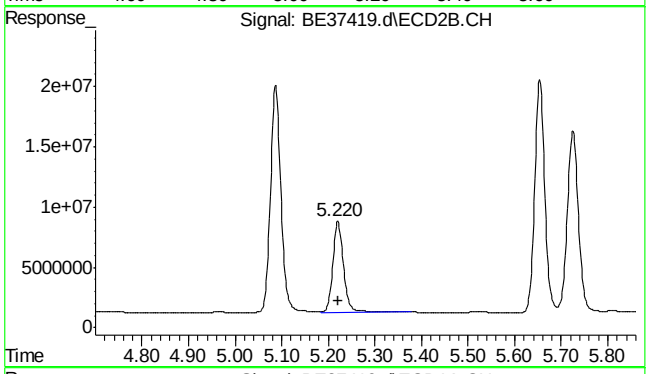
R.T.: 5.087 min
Delta R.T.: 0.000 min
Response: 294677188
Conc: 110.44 ppb

11.6.10
11



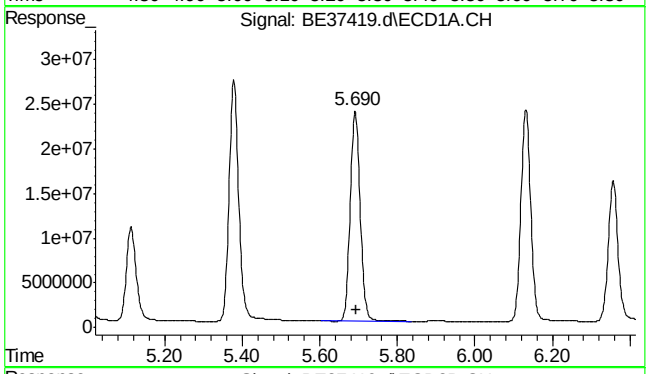
#5 Beta-BHC

R.T.: 5.113 min
Delta R.T.: -0.003 min
Response: 190154372
Conc: 107.81 ppb



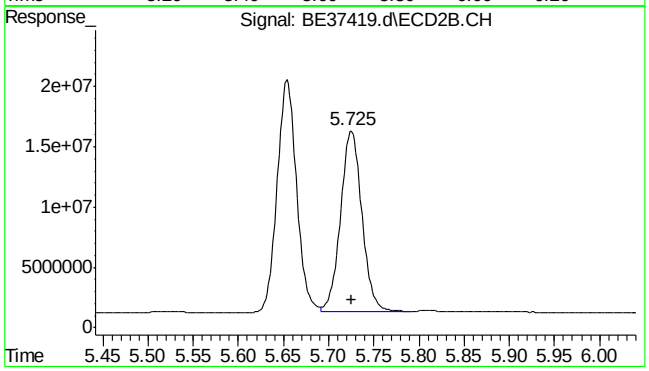
#5 Beta-BHC

R.T.: 5.221 min
Delta R.T.: 0.000 min
Response: 120449580
Conc: 111.39 ppb



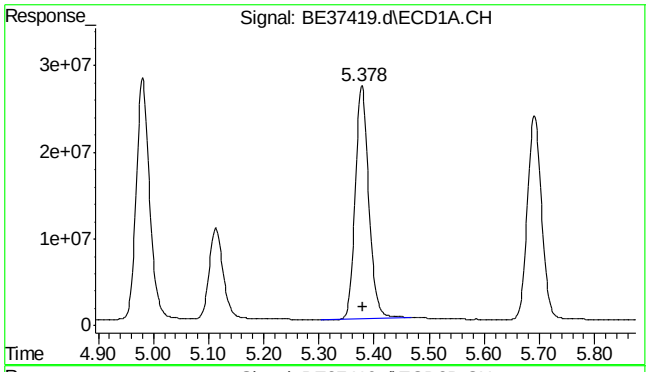
#6 Heptachlor

R.T.: 5.691 min
Delta R.T.: -0.002 min
Response: 418731199
Conc: 109.39 ppb



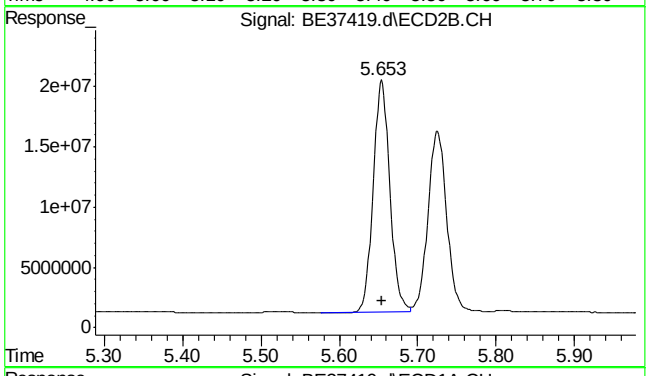
#6 Heptachlor

R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 247838134
Conc: 111.49 ppb



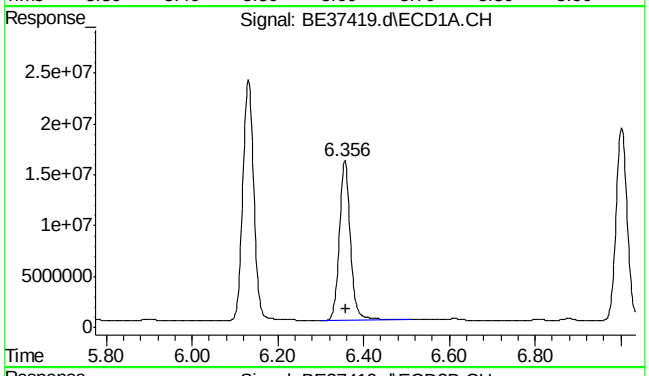
#7 Delta-BHC

R.T.: 5.378 min
Delta R.T.: -0.002 min
Response: 456194079
Conc: 109.48 ppb



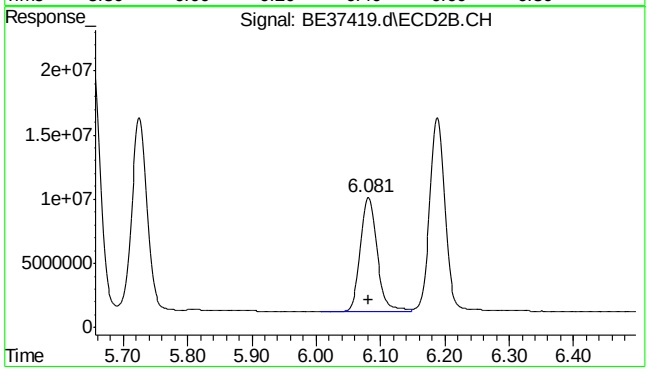
#7 Delta-BHC

R.T.: 5.654 min
Delta R.T.: 0.000 min
Response: 284661663
Conc: 110.78 ppb



#8 Alachlor

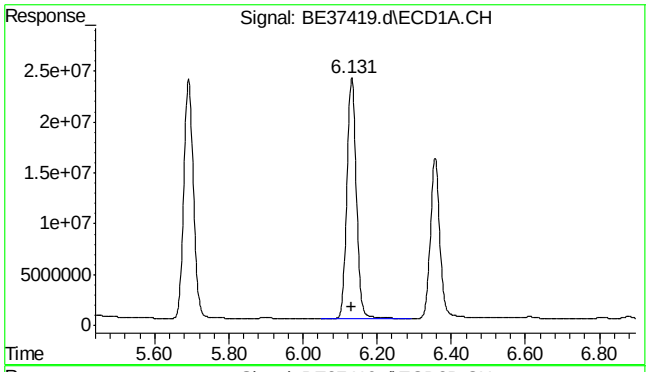
R.T.: 6.357 min
Delta R.T.: -0.001 min
Response: 278965461
Conc: 1085.63 ppb



#8 Alachlor

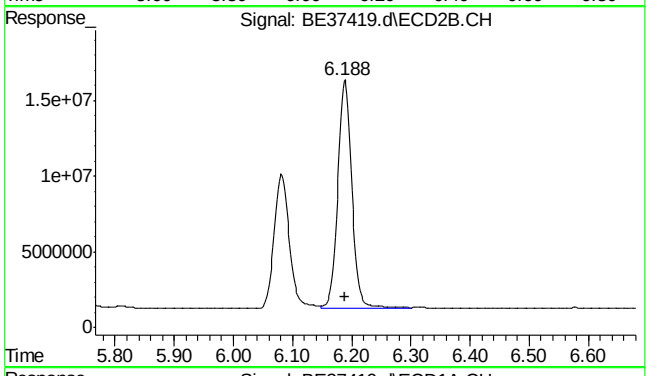
R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 158449029
Conc: 1106.32 ppb

11.6.10 11



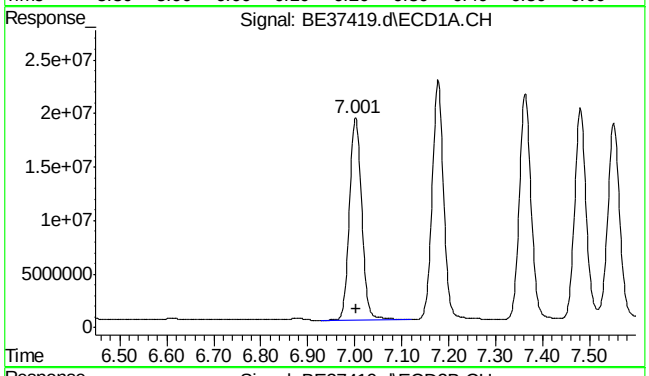
#9 Aldrin

R.T.: 6.132 min
Delta R.T.: 0.000 min
Response: 419818227
Conc: 110.95 ppb



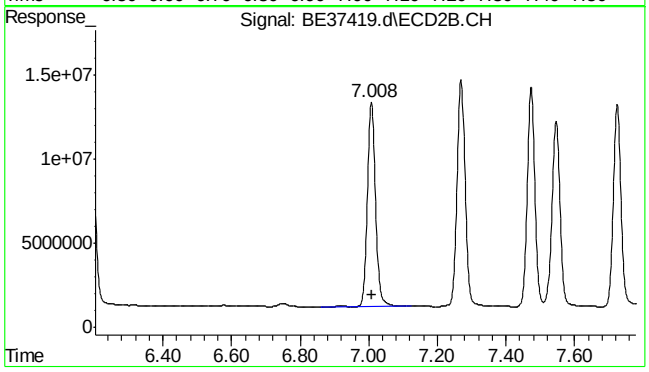
#9 Aldrin

R.T.: 6.189 min
Delta R.T.: 0.000 min
Response: 247420293
Conc: 109.63 ppb



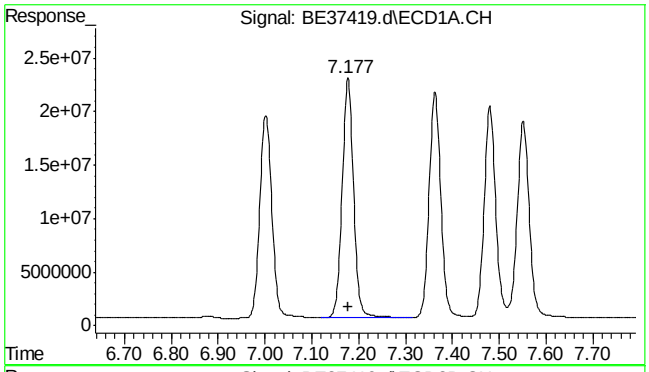
#10 Heptachlor Epoxide

R.T.: 7.002 min
Delta R.T.: -0.001 min
Response: 344315401
Conc: 110.08 ppb



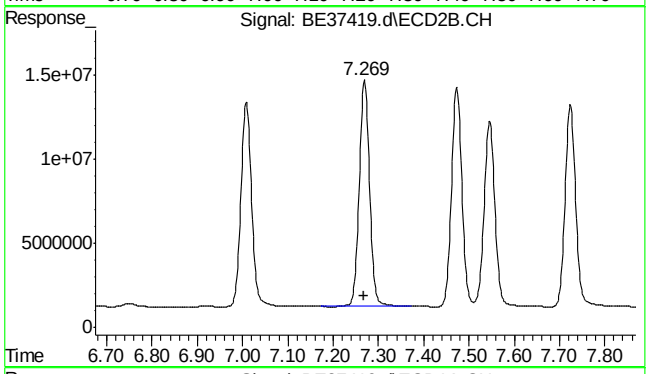
#10 Heptachlor Epoxide

R.T.: 7.008 min
Delta R.T.: 0.000 min
Response: 200519742
Conc: 111.41 ppb



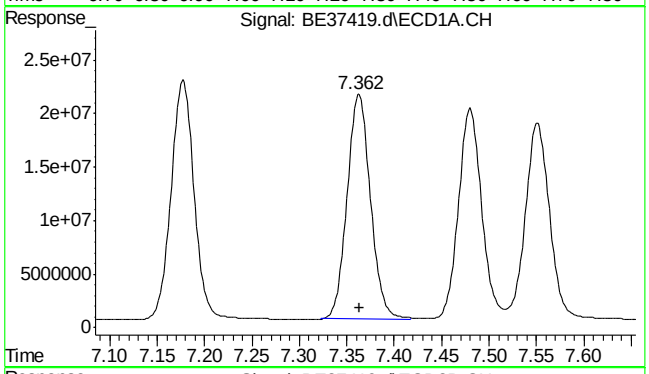
#11 Gamma-Chlordane

R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 382131630
Conc: 110.48 ppb



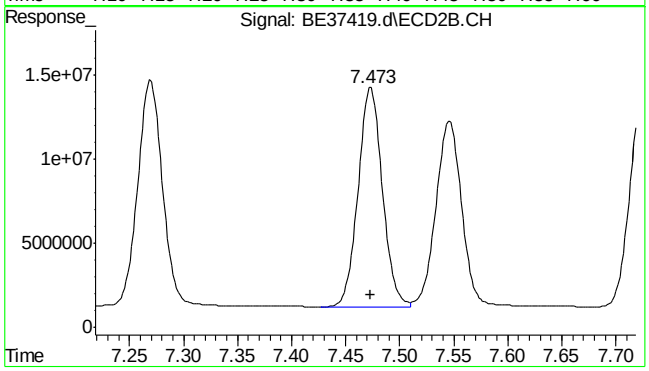
#11 Gamma-Chlordane

R.T.: 7.270 min
Delta R.T.: 0.000 min
Response: 215981910
Conc: 110.91 ppb



#12 Alpha-Chlordane

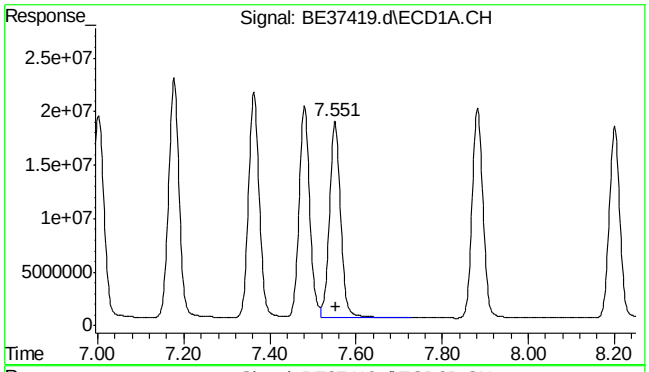
R.T.: 7.362 min
Delta R.T.: 0.000 min
Response: 358805007
Conc: 114.41 ppb m



#12 Alpha-Chlordane

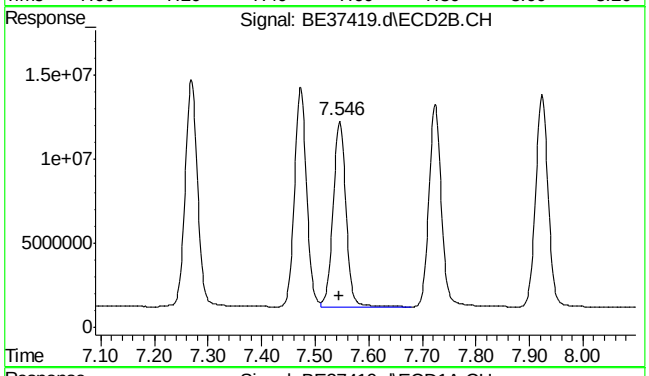
R.T.: 7.473 min
Delta R.T.: 0.000 min
Response: 203382996
Conc: 111.56 ppb

11.6.10 11



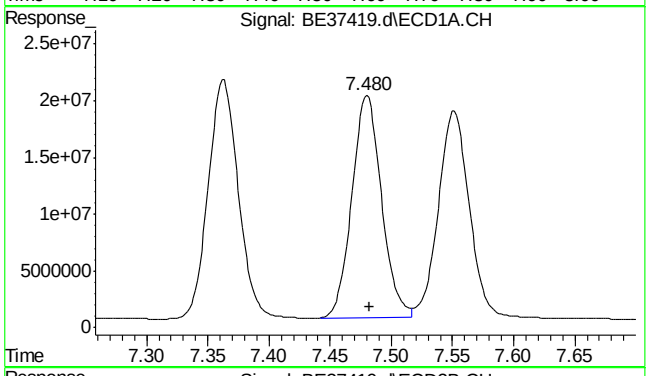
#13 Endosulfan-I

R.T.: 7.551 min
Delta R.T.: -0.002 min
Response: 330829427
Conc: 113.92 ppb



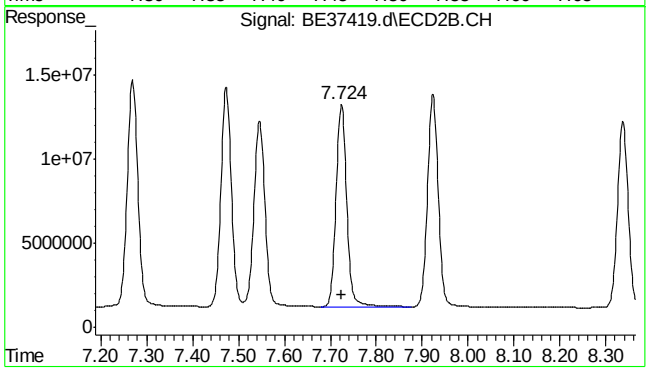
#13 Endosulfan-I

R.T.: 7.546 min
Delta R.T.: 0.000 min
Response: 184841196
Conc: 111.14 ppb



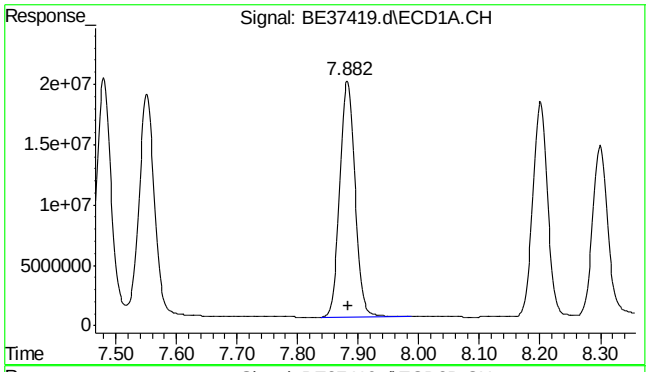
#14 4,4'-DDE

R.T.: 7.480 min
Delta R.T.: -0.002 min
Response: 329561542
Conc: 114.63 ppb m



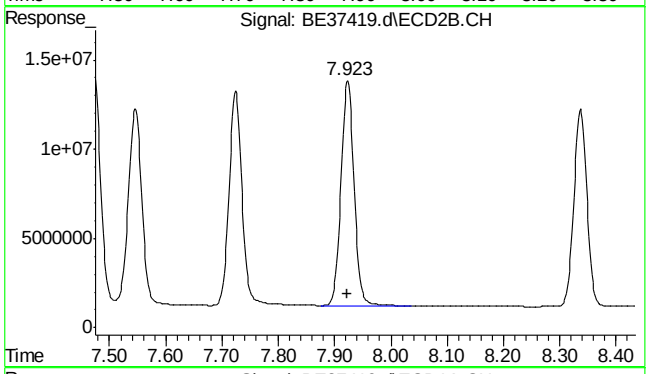
#14 4,4'-DDE

R.T.: 7.724 min
Delta R.T.: 0.000 min
Response: 194241287
Conc: 111.09 ppb



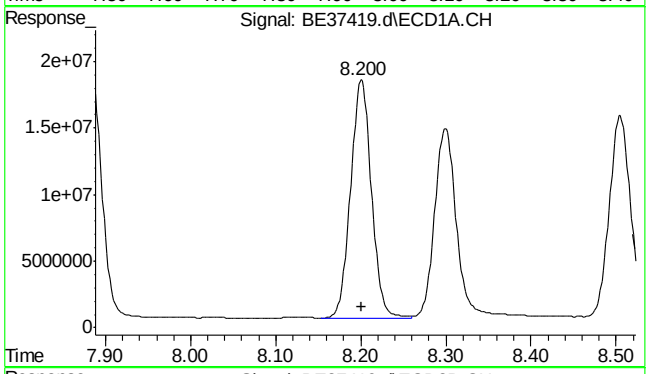
#15 Dieldrin

R.T.: 7.882 min
Delta R.T.: -0.001 min
Response: 342970398
Conc: 110.34 ppb m



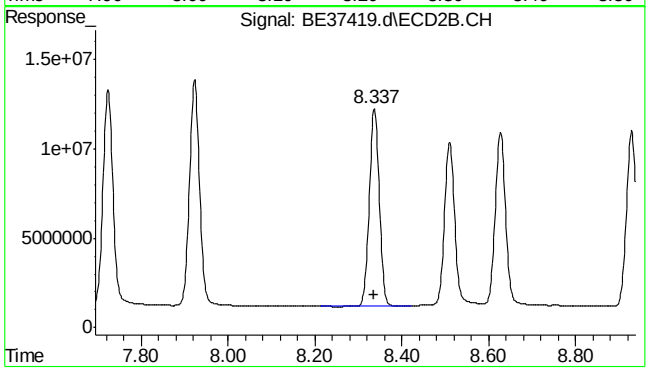
#15 Dieldrin

R.T.: 7.924 min
Delta R.T.: 0.001 min
Response: 203895634
Conc: 111.30 ppb



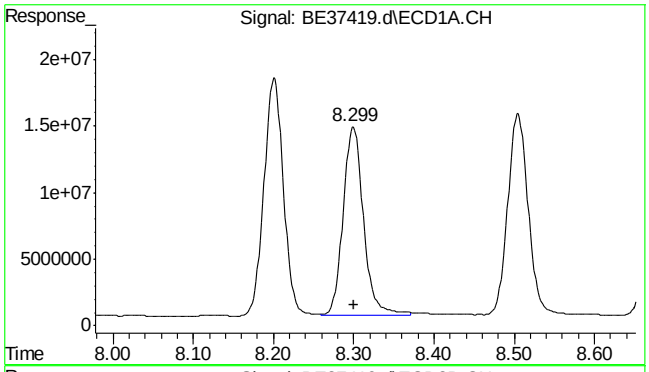
#16 Endrin

R.T.: 8.201 min
Delta R.T.: 0.000 min
Response: 303455032
Conc: 111.46 ppb



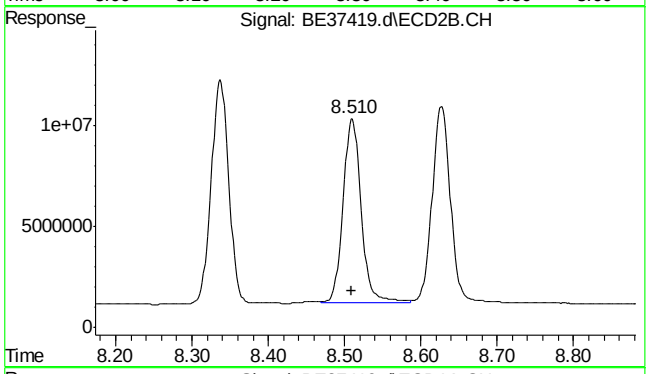
#16 Endrin

R.T.: 8.337 min
Delta R.T.: 0.001 min
Response: 175243019
Conc: 110.39 ppb



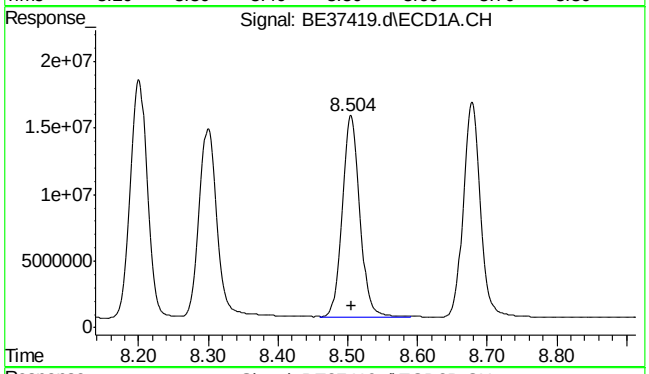
#17 4,4'-DDD

R.T.: 8.299 min
Delta R.T.: 0.000 min
Response: 251875134
Conc: 112.72 ppb m



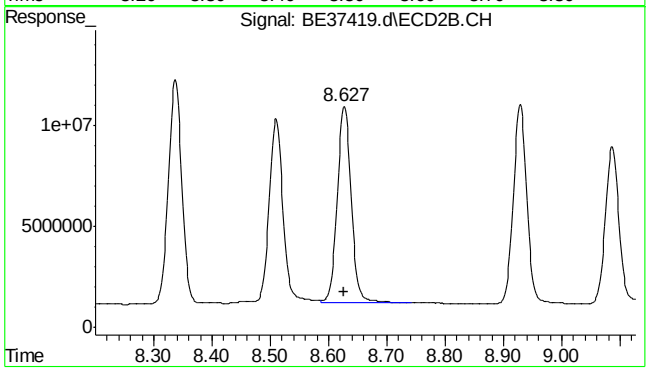
#17 4,4'-DDD

R.T.: 8.510 min
Delta R.T.: 0.000 min
Response: 149049660
Conc: 108.92 ppb m



#18 Endosulfan-II

R.T.: 8.504 min
Delta R.T.: 0.000 min
Response: 266502315
Conc: 108.11 ppb m

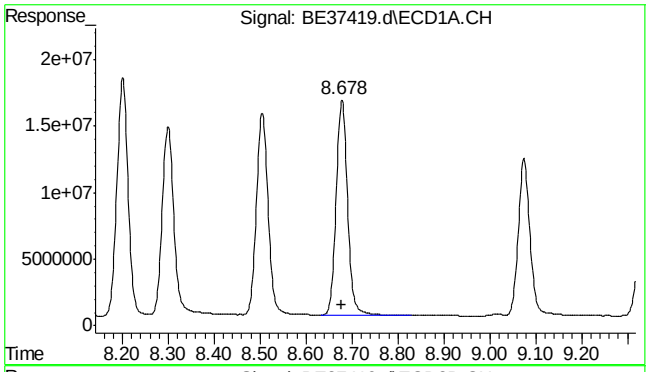


#18 Endosulfan-II

R.T.: 8.627 min
Delta R.T.: 0.001 min
Response: 162615022
Conc: 109.96 ppb

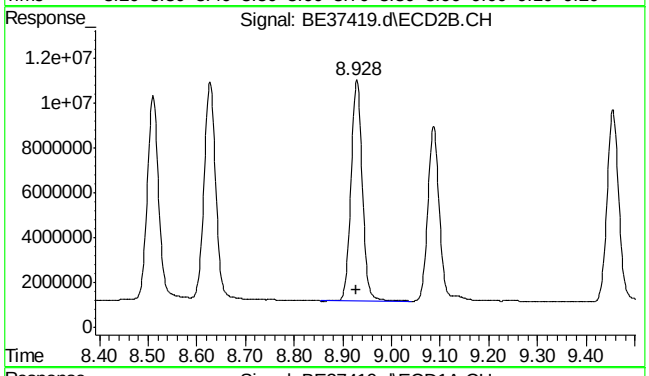
11.6.10

11



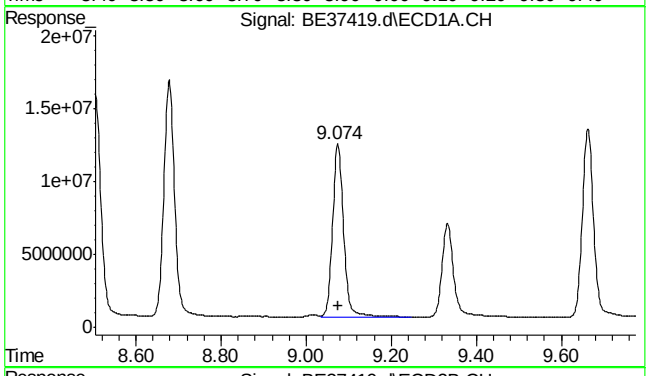
#19 4,4'-DDT

R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 282652109
Conc: 111.19 ppb



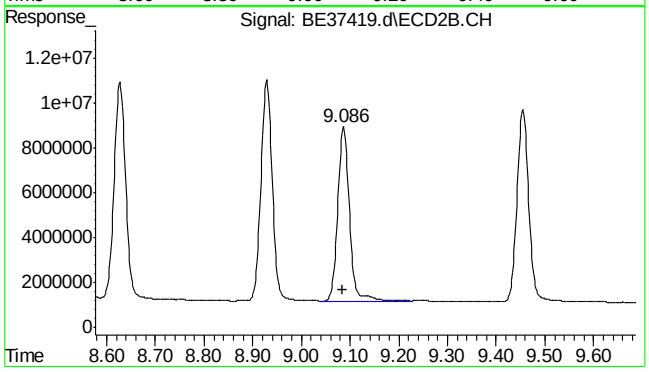
#19 4,4'-DDT

R.T.: 8.929 min
Delta R.T.: 0.001 min
Response: 158739617
Conc: 112.31 ppb



#20 Endrin Aldehyde

R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 212490210
Conc: 109.52 ppb



#20 Endrin Aldehyde

R.T.: 9.087 min
Delta R.T.: 0.002 min
Response: 129730484
Conc: 112.72 ppb

11.6.10
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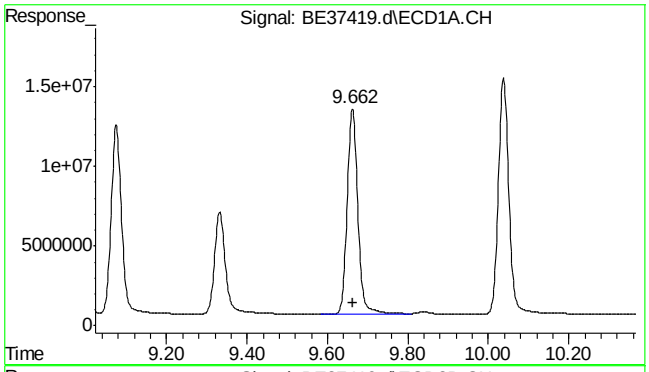
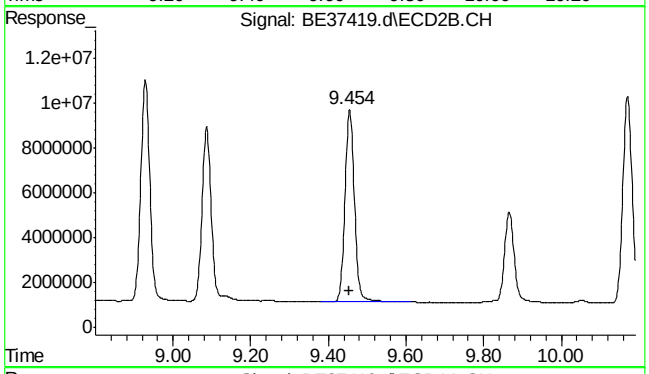


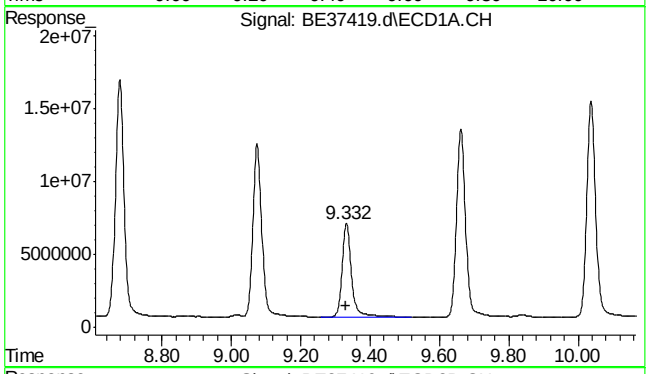
#21 Endosulfan Sulfate

R.T.: 9.663 min
Delta R.T.: 0.000 min
Response: 235714795
Conc: 110.01 ppb



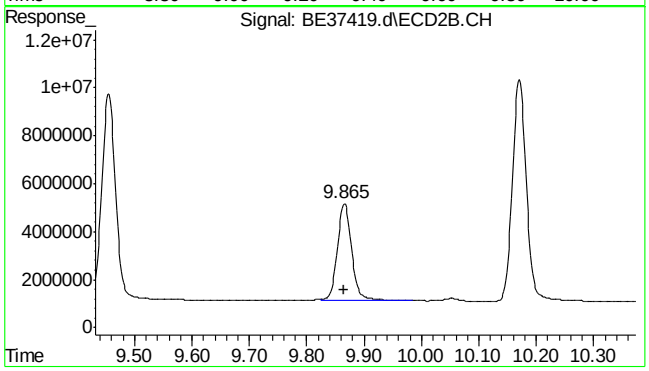
#21 Endosulfan Sulfate

R.T.: 9.455 min
Delta R.T.: 0.002 min
Response: 145685874
Conc: 112.47 ppb



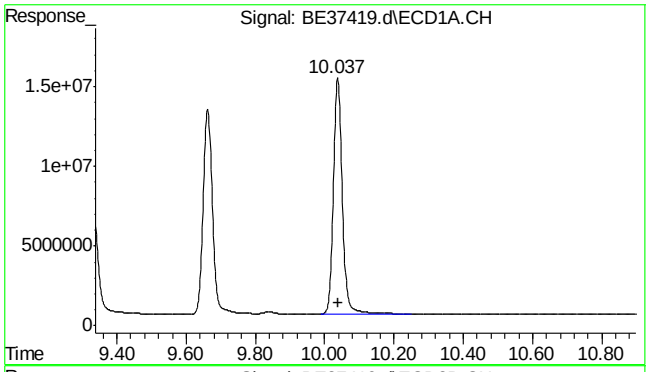
#22 Methoxychlor

R.T.: 9.332 min
Delta R.T.: 0.000 min
Response: 121760807
Conc: 110.12 ppb



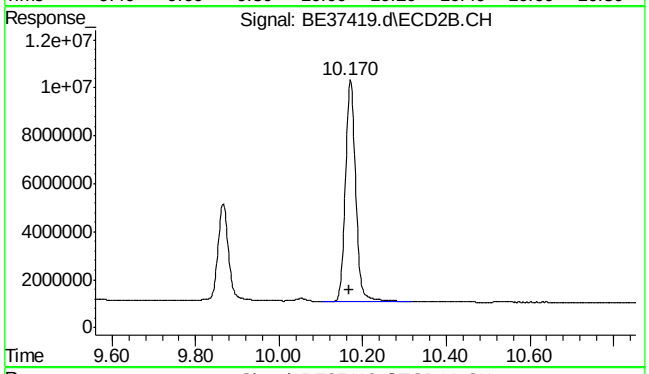
#22 Methoxychlor

R.T.: 9.865 min
Delta R.T.: 0.001 min
Response: 70227443
Conc: 112.73 ppb m



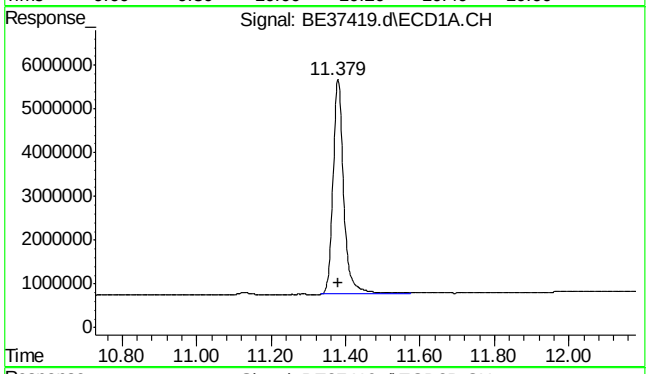
#23 Endrin Ketone

R.T.: 10.037 min
Delta R.T.: -0.002 min
Response: 269349662
Conc: 111.47 ppb m



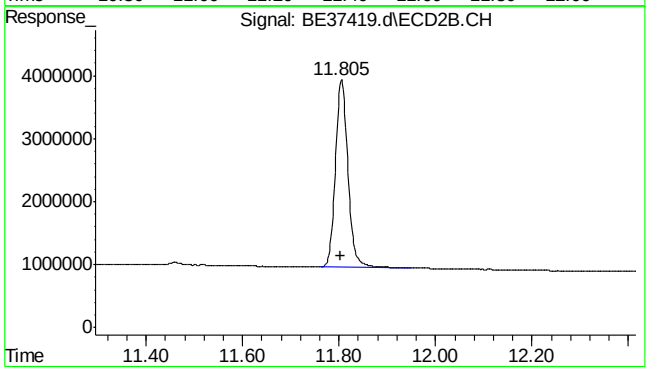
#23 Endrin Ketone

R.T.: 10.171 min
Delta R.T.: 0.001 min
Response: 157056590
Conc: 111.92 ppb



#38 DCB

R.T.: 11.379 min
Delta R.T.: 0.000 min
Response: 97671833
Conc: 50.17 ppb m



#38 DCB

R.T.: 11.805 min
Delta R.T.: 0.001 min
Response: 53325841
Conc: 52.10 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/16/13 11:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130815\
Data File : be37668.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 13:04:55
Operator : nickk
Sample : cc1943-100,pest
Misc : op34388,gbe1960,100,,,5,,w
ALS Vial : 96 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 15 13:36:36 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:53:14 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.634	3.596	130.6E6	86870291	45.328	46.203
	Spiked Amount 40.000			Recovery	=	113.32%	115.51%
38) s	DCB	11.379	11.798	86650837	55267492	44.509m	53.996m
	Spiked Amount 40.000			Recovery	=	111.27%	134.99%
	Target Compounds						
2)	Hexachlor...	4.235	4.316	417.1E6	262.0E6	96.918	103.671m
3)	Alpha-BHC	4.493	4.542	479.9E6	298.0E6	101.879	100.475
4)	Gamma-BHC	4.978	5.084	416.2E6	268.4E6	98.127m	100.305
5)	Beta-BHC	5.111	5.218	168.5E6	109.0E6	95.554	100.318
6)	Heptachlor	5.689	5.721	368.6E6	227.6E6	95.633	101.696m
7)	Delta-BHC	5.375	5.650	409.6E6	261.0E6	98.310m	101.299m
8)	Alachlor	6.353	6.078	239.8E6	138.4E6	924.725	945.799
9)	Aldrin	6.128	6.185	376.5E6	230.4E6	99.491m	101.631
10)	Heptachlo...	6.999	7.004	306.8E6	171.0E6	97.462	93.949
11)	Gamma-Chl...	7.174	7.264	344.5E6	206.5E6	99.603	105.789
12)	Alpha-Chl...	7.360	7.468	294.4E6	193.8E6	93.863	106.059
13)	Endosulfan-I	7.548	7.541	295.3E6	176.1E6	101.126	105.423
14)	4,4'-DDE	7.478	7.719	290.5E6	187.7E6	101.060	107.175
15)	Dieldrin	7.880	7.918	311.5E6	197.2E6	99.838	107.344
16)	Endrin	8.198	8.331	275.1E6	172.0E6	101.035	108.178m
17)	4,4'-DDD	8.296	8.504	228.3E6	145.3E6	102.192m	106.058m
18)	Endosulfa...	8.502	8.621	245.6E6	158.1E6	99.315	106.698m
19)	4,4'-DDT	8.675	8.922	244.7E6	152.7E6	96.112m	107.822m
20)	Endrin Al...	9.072	9.080	188.7E6	122.8E6	96.802	106.214m
21)	Endosulfa...	9.659	9.449	214.7E6	146.5E6	99.892	113.197
22)	Methoxychlor	9.331	9.859	108.6E6	70368075	97.877	112.970
23)	Endrin Ke...	10.035	10.164	242.1E6	160.3E6	99.869	114.456

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

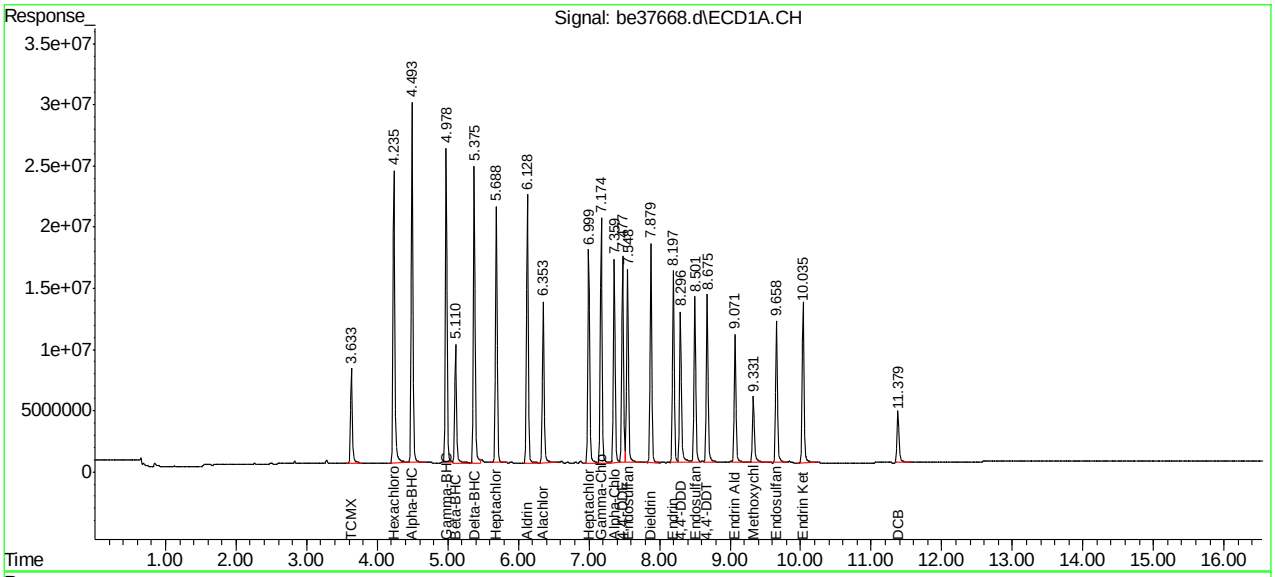
11.6.11
11

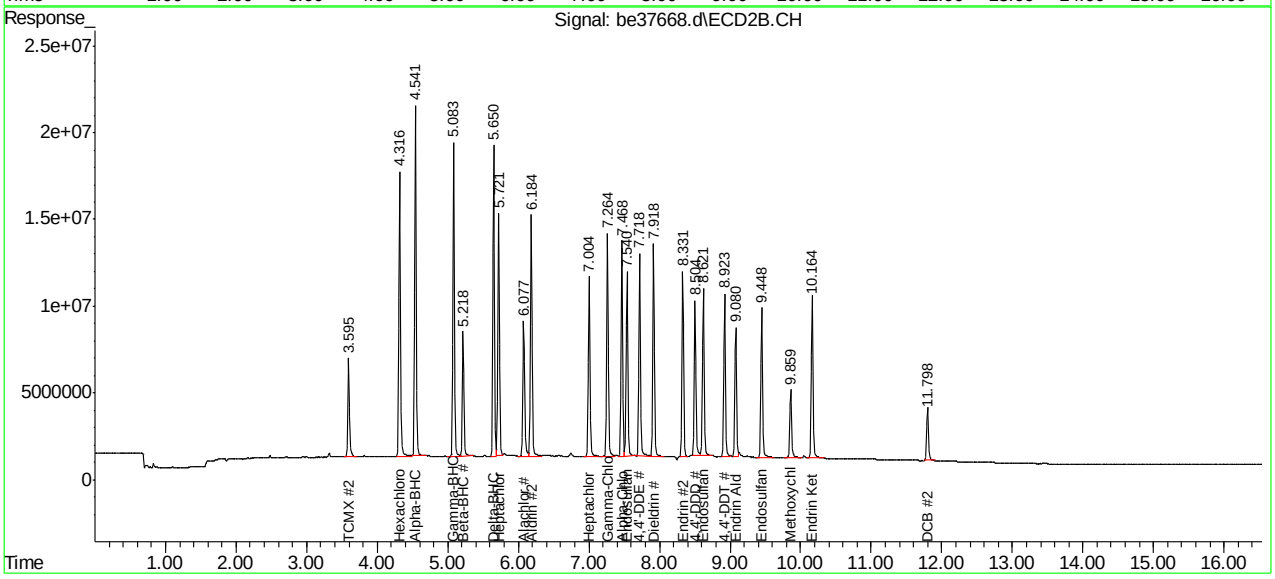
Quantitation Report (QT Reviewed)

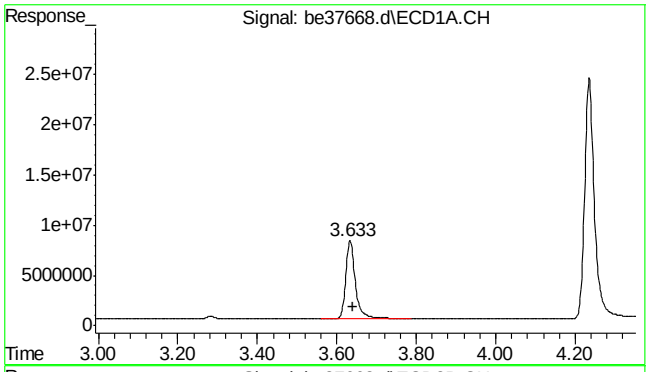
Data Path : C:\msdchem\1\data\BE130815\
Data File : be37668.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 13:04:55
Operator : nickk
Sample : cc1943-100,pest
Misc : op34388,gbe1960,100,,,5,,w
ALS Vial : 96 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 15 13:36:36 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:53:14 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

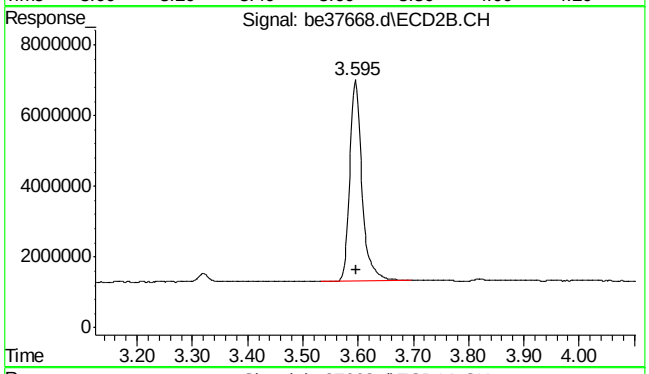






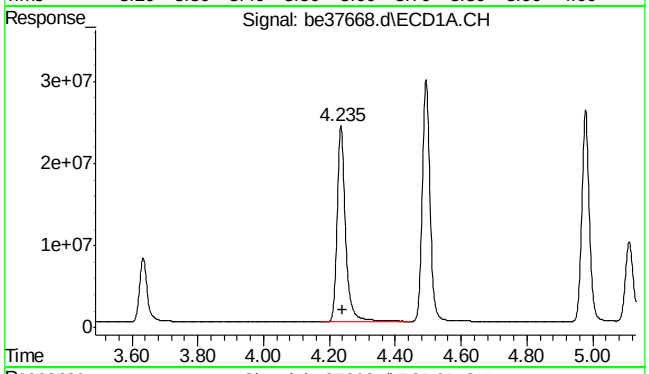
#1 TCMX

R.T.: 3.634 min
Delta R.T.: -0.005 min
Response: 130581492
Conc: 45.33 ppb



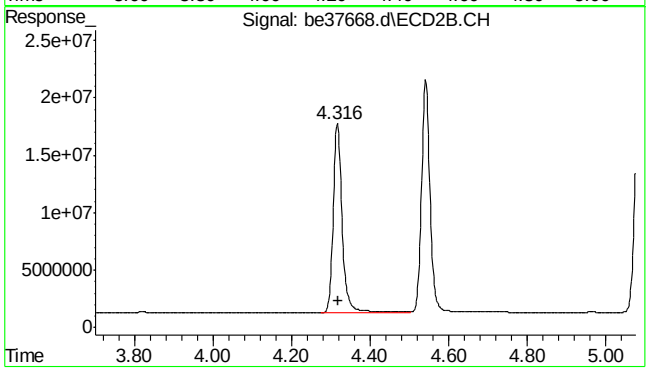
#1 TCMX

R.T.: 3.596 min
Delta R.T.: -0.002 min
Response: 86870291
Conc: 46.20 ppb



#2 Hexachlorobenzene

R.T.: 4.235 min
Delta R.T.: -0.005 min
Response: 417070203
Conc: 96.92 ppb



#2 Hexachlorobenzene

R.T.: 4.316 min
Delta R.T.: -0.003 min
Response: 261960612
Conc: 103.67 ppb m

11.6.11
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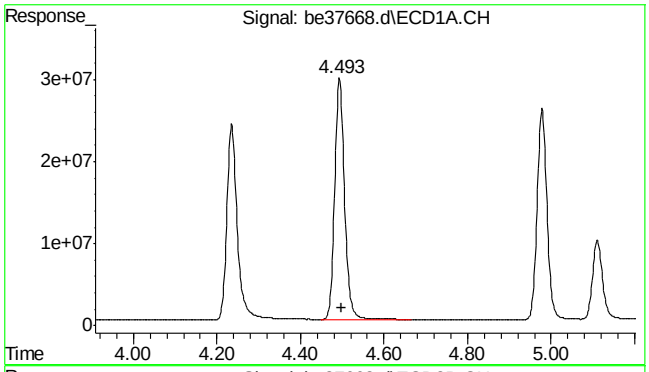
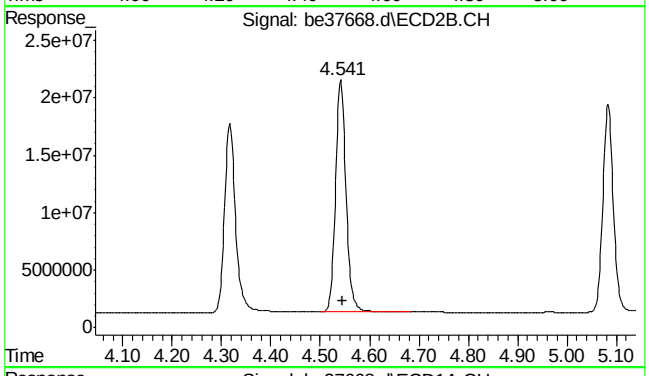


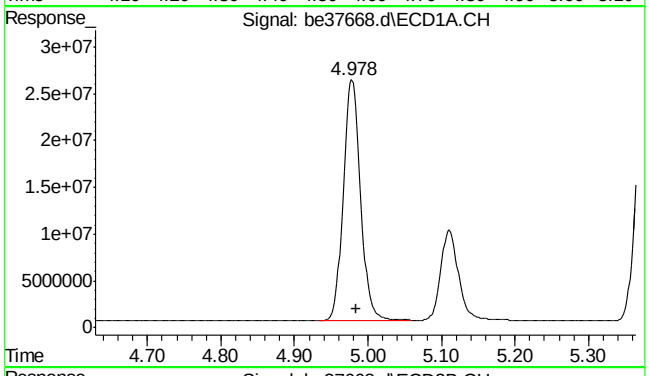
#3 Alpha-BHC

R.T.: 4.493 min
Delta R.T.: -0.005 min
Response: 479868809
Conc: 101.88 ppb



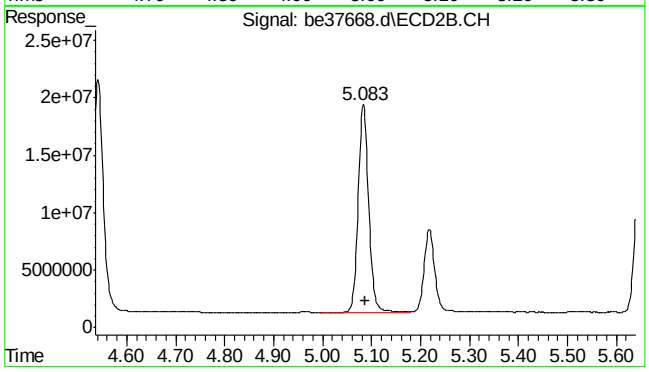
#3 Alpha-BHC

R.T.: 4.542 min
Delta R.T.: -0.003 min
Response: 298012834
Conc: 100.48 ppb



#4 Gamma-BHC

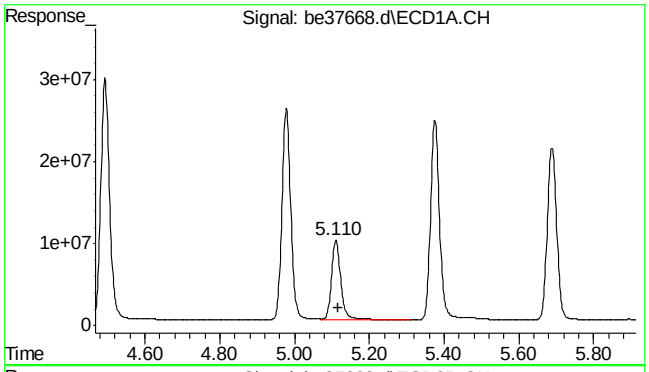
R.T.: 4.978 min
Delta R.T.: -0.006 min
Response: 416199921
Conc: 98.13 ppb m



#4 Gamma-BHC

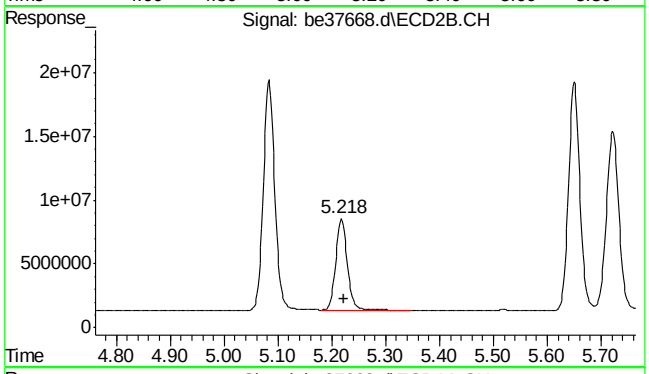
R.T.: 5.084 min
Delta R.T.: -0.004 min
Response: 268358307
Conc: 100.31 ppb

11.6.11
11



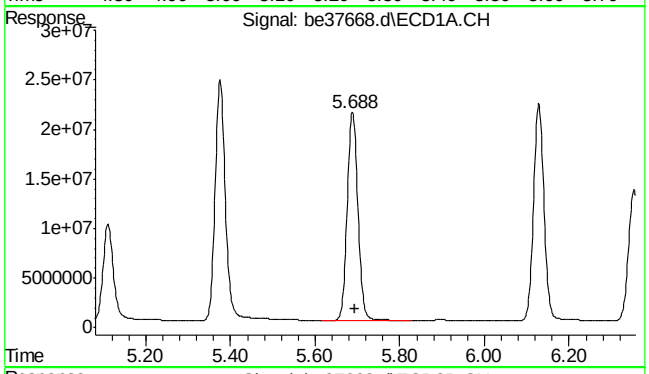
#5 Beta-BHC

R.T.: 5.111 min
Delta R.T.: -0.005 min
Response: 168530617
Conc: 95.55 ppb



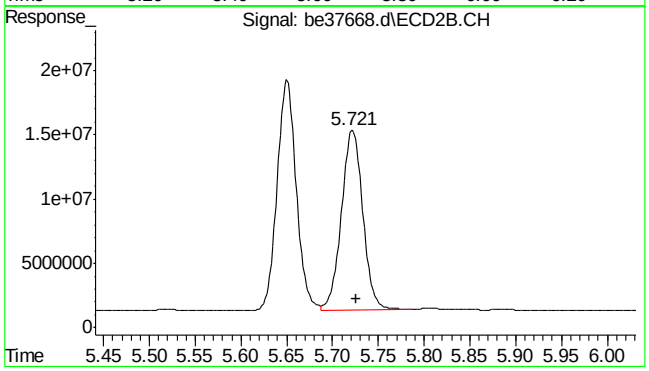
#5 Beta-BHC

R.T.: 5.218 min
Delta R.T.: -0.003 min
Response: 108996089
Conc: 100.32 ppb



#6 Heptachlor

R.T.: 5.689 min
Delta R.T.: -0.005 min
Response: 368600717
Conc: 95.63 ppb

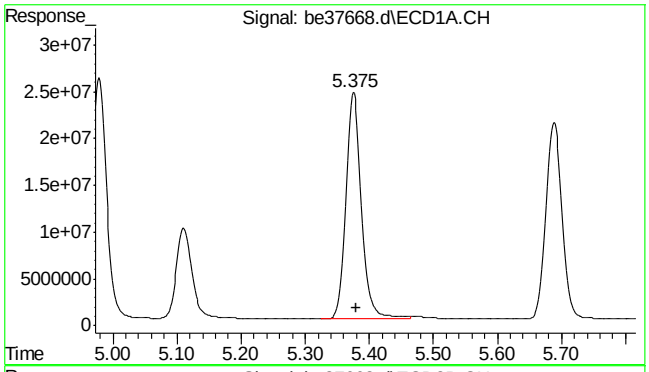


#6 Heptachlor

R.T.: 5.721 min
Delta R.T.: -0.004 min
Response: 227562564
Conc: 101.70 ppb m

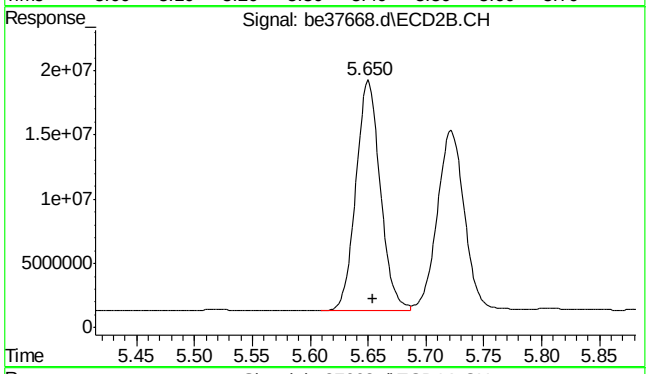
11.6.11

11



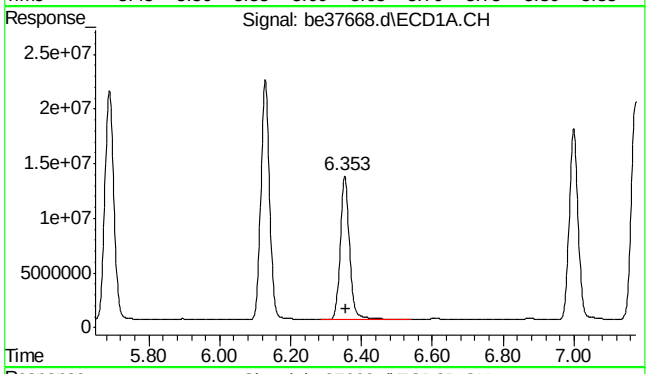
#7 Delta-BHC

R.T.: 5.375 min
Delta R.T.: -0.005 min
Response: 409637554
Conc: 98.31 ppb m



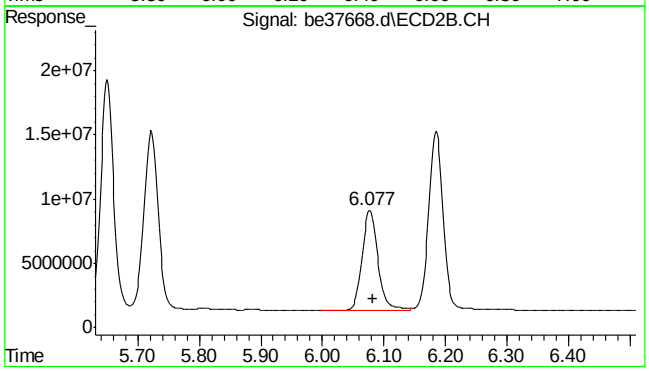
#7 Delta-BHC

R.T.: 5.650 min
Delta R.T.: -0.005 min
Response: 260980821
Conc: 101.30 ppb m



#8 Alachlor

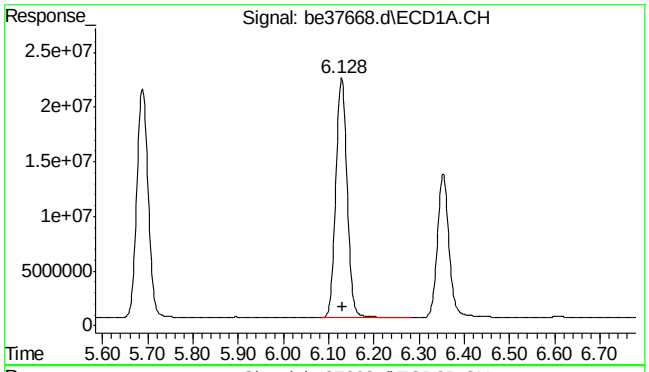
R.T.: 6.353 min
Delta R.T.: -0.005 min
Response: 239800940
Conc: 924.72 ppb



#8 Alachlor

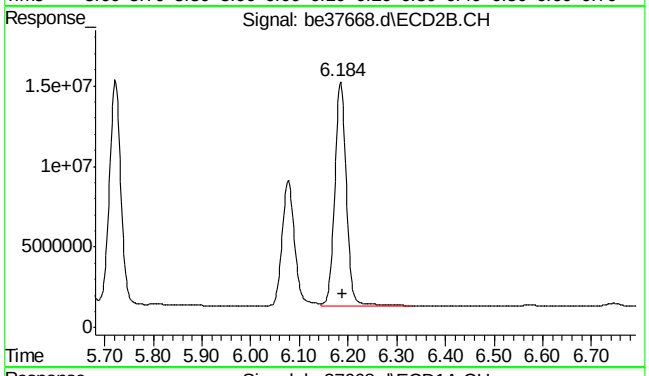
R.T.: 6.078 min
Delta R.T.: -0.004 min
Response: 138423078
Conc: 945.80 ppb

11.6.11
11



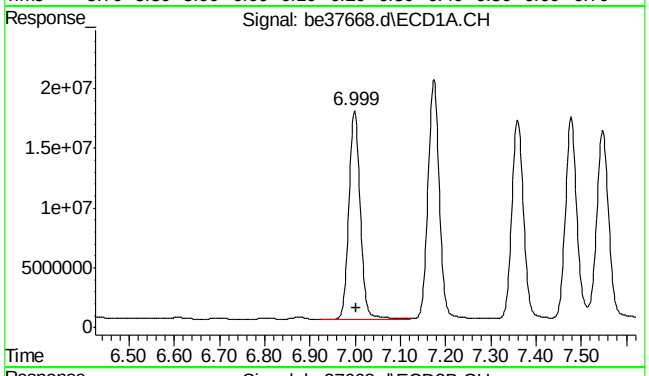
#9 Aldrin

R.T.: 6.128 min
Delta R.T.: -0.004 min
Response: 376463976
Conc: 99.49 ppb m



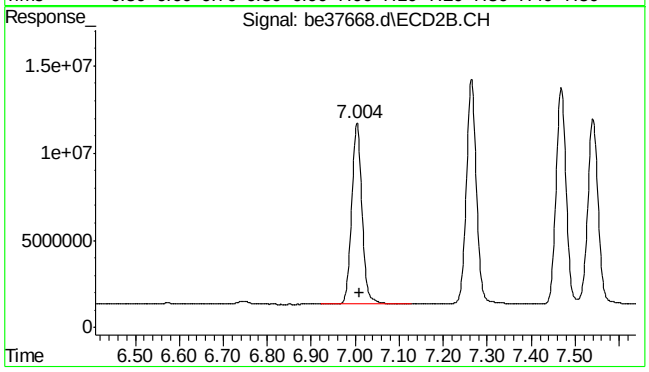
#9 Aldrin

R.T.: 6.185 min
Delta R.T.: -0.004 min
Response: 230403565
Conc: 101.63 ppb



#10 Heptachlor Epoxide

R.T.: 6.999 min
Delta R.T.: -0.004 min
Response: 306842248
Conc: 97.46 ppb



#10 Heptachlor Epoxide

R.T.: 7.004 min
Delta R.T.: -0.005 min
Response: 171035342
Conc: 93.95 ppb

11.6.11
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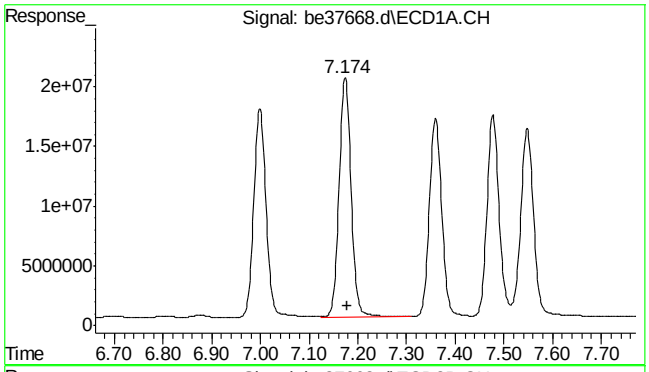
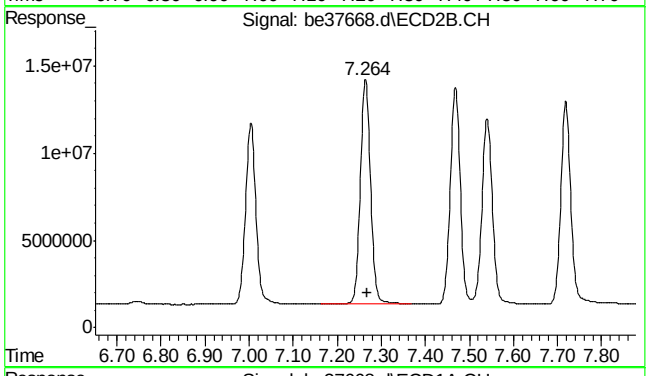


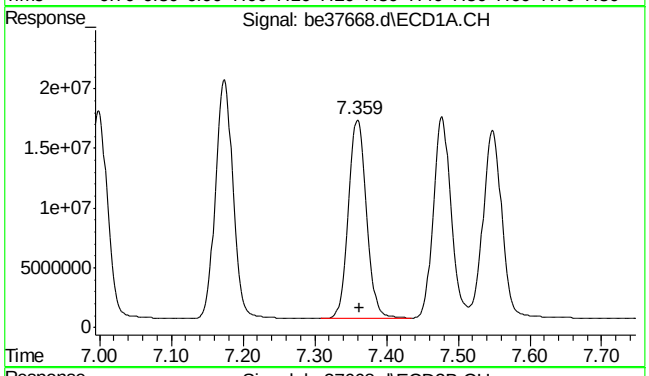
#11 Gamma-Chlordane

R.T.: 7.174 min
Delta R.T.: -0.003 min
Response: 344494132
Conc: 99.60 ppb



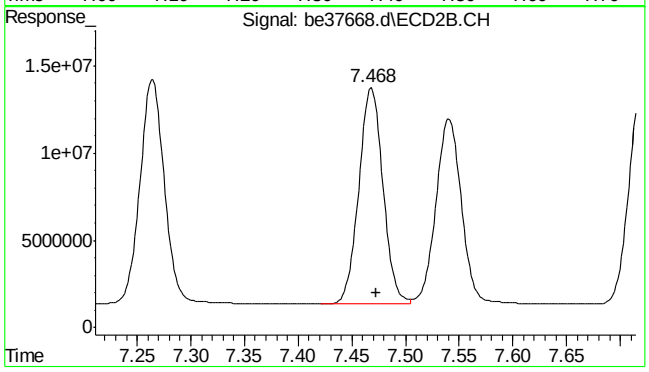
#11 Gamma-Chlordane

R.T.: 7.264 min
Delta R.T.: -0.004 min
Response: 206450316
Conc: 105.79 ppb



#12 Alpha-Chlordane

R.T.: 7.360 min
Delta R.T.: -0.003 min
Response: 294366258
Conc: 93.86 ppb



#12 Alpha-Chlordane

R.T.: 7.468 min
Delta R.T.: -0.005 min
Response: 193800698
Conc: 106.06 ppb

11.6.11
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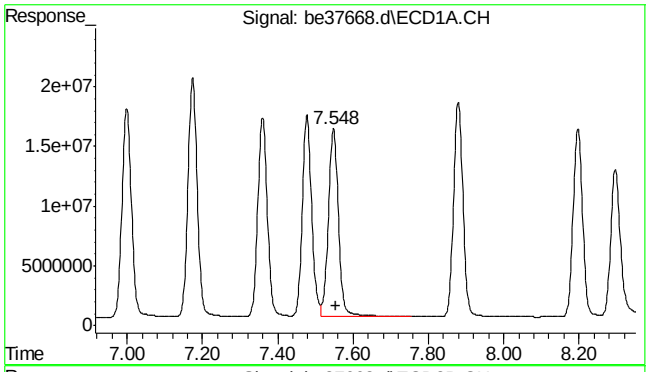
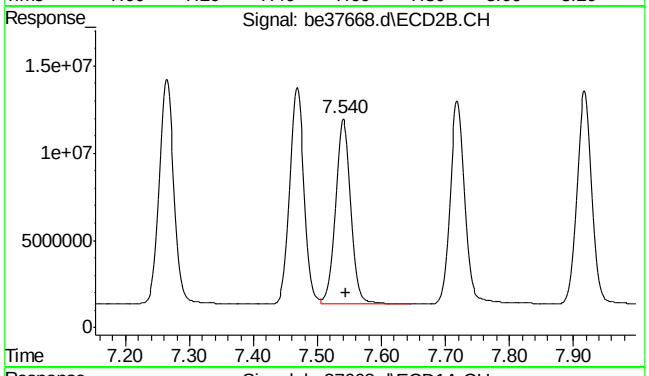


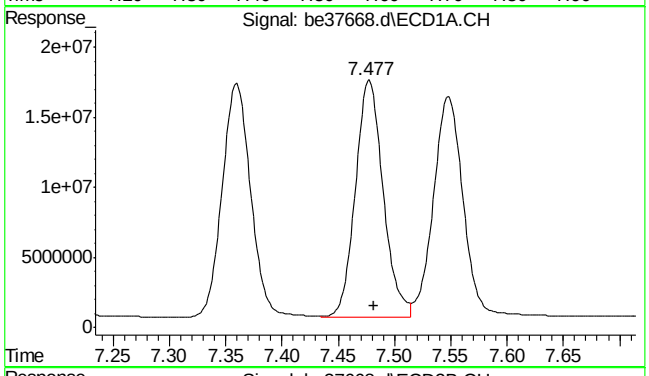
#13 Endosulfan-I

R.T.: 7.548 min
Delta R.T.: -0.005 min
Response: 295341671
Conc: 101.13 ppb



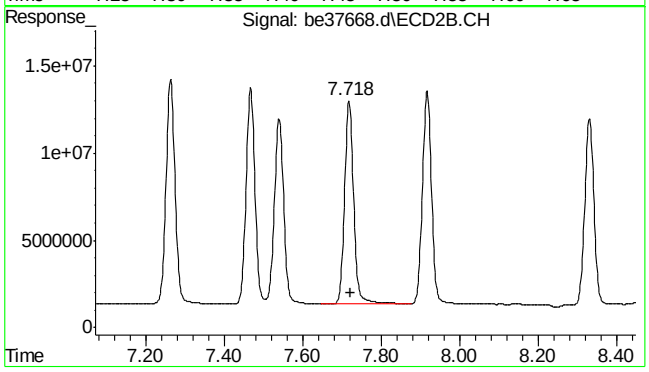
#13 Endosulfan-I

R.T.: 7.541 min
Delta R.T.: -0.005 min
Response: 176061742
Conc: 105.42 ppb



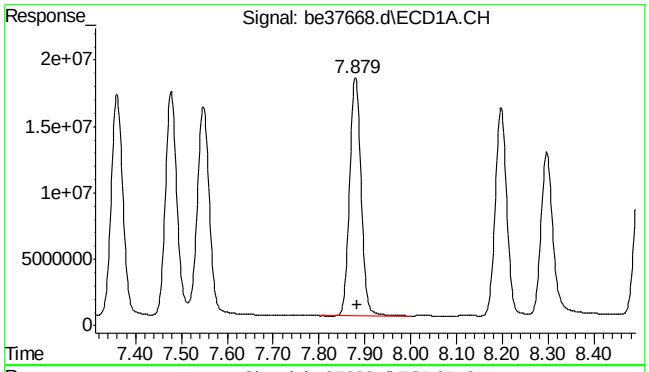
#14 4,4'-DDE

R.T.: 7.478 min
Delta R.T.: -0.004 min
Response: 290541639
Conc: 101.06 ppb



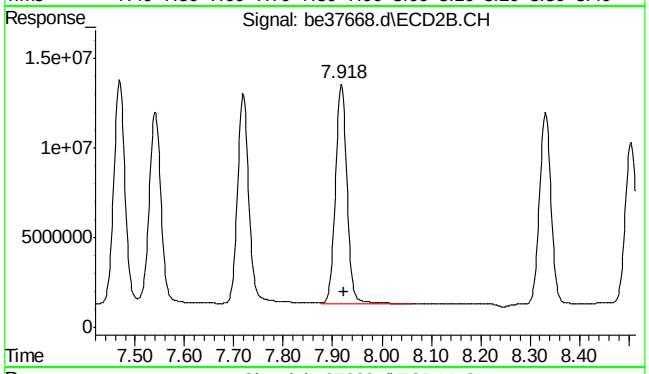
#14 4,4'-DDE

R.T.: 7.719 min
Delta R.T.: -0.005 min
Response: 187729563
Conc: 107.17 ppb



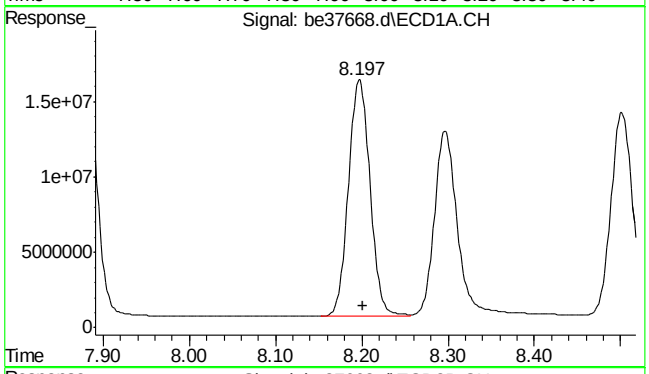
#15 Dieldrin

R.T.: 7.880 min
Delta R.T.: -0.003 min
Response: 311477952
Conc: 99.84 ppb



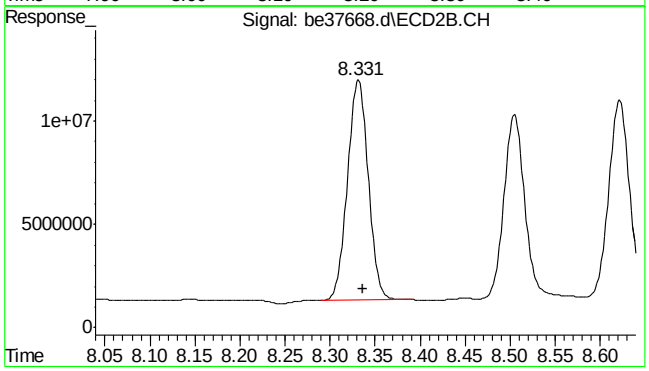
#15 Dieldrin

R.T.: 7.918 min
Delta R.T.: -0.004 min
Response: 197177357
Conc: 107.34 ppb



#16 Endrin

R.T.: 8.198 min
Delta R.T.: -0.004 min
Response: 275071146
Conc: 101.04 ppb



#16 Endrin

R.T.: 8.331 min
Delta R.T.: -0.005 min
Response: 171998208
Conc: 108.18 ppb m

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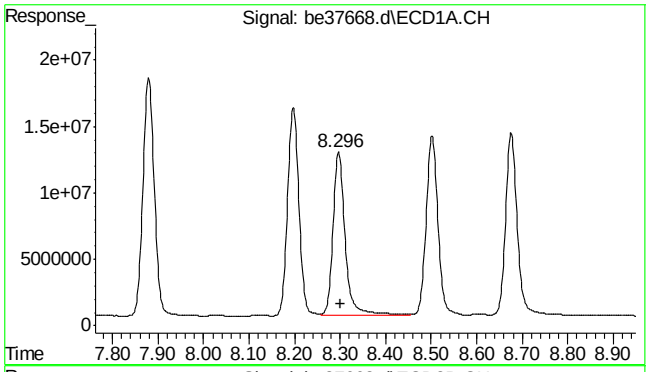
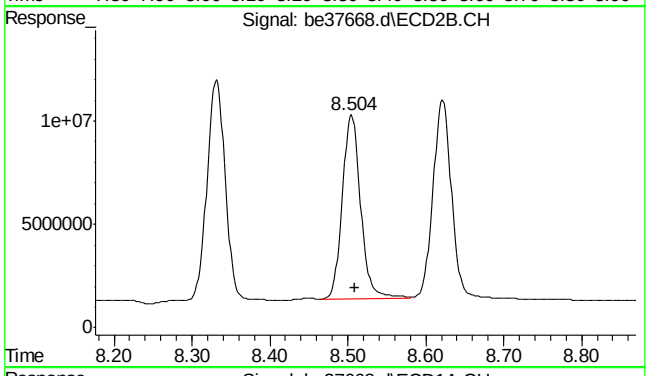


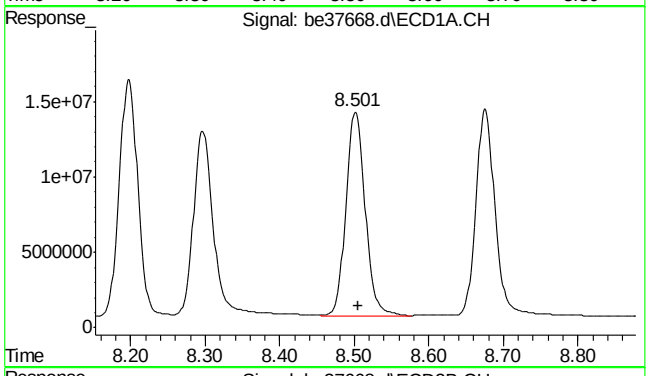
#17 4,4'-DDD

R.T.: 8.296 min
Delta R.T.: -0.004 min
Response: 228349126
Conc: 102.19 ppb m



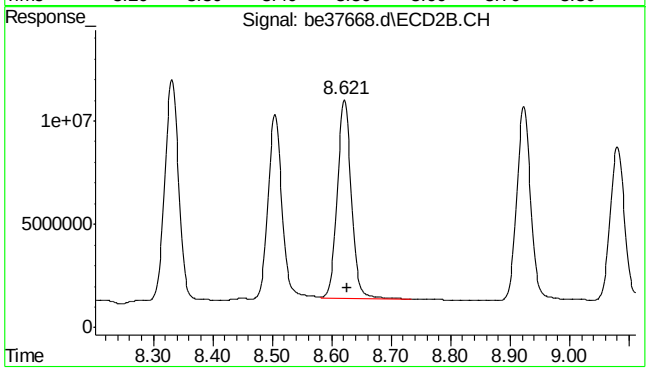
#17 4,4'-DDD

R.T.: 8.504 min
Delta R.T.: -0.005 min
Response: 145348560
Conc: 106.06 ppb m



#18 Endosulfan-II

R.T.: 8.502 min
Delta R.T.: -0.003 min
Response: 245594061
Conc: 99.31 ppb



#18 Endosulfan-II

R.T.: 8.621 min
Delta R.T.: -0.005 min
Response: 158134730
Conc: 106.70 ppb m

11.6.11
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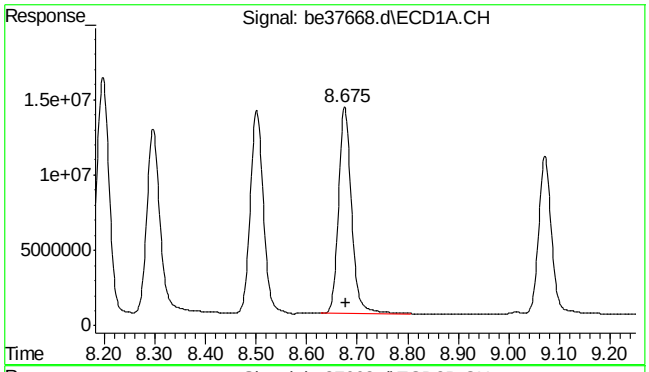
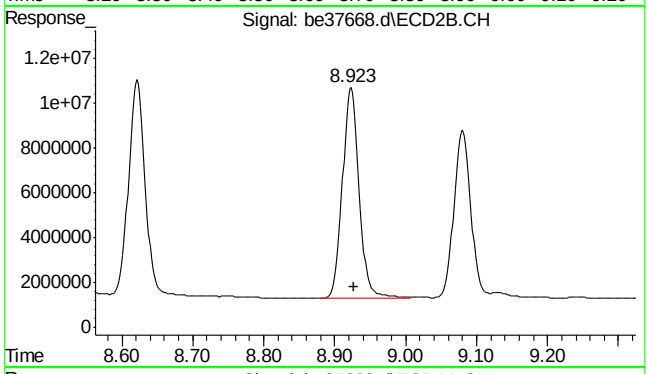


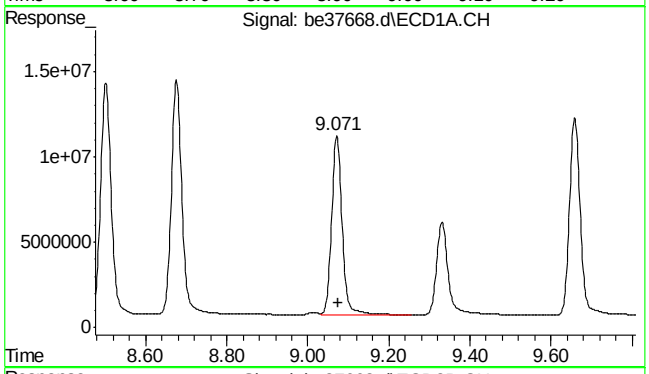
#19 4,4'-DDT

R.T.: 8.675 min
Delta R.T.: -0.003 min
Response: 244727984
Conc: 96.11 ppb m



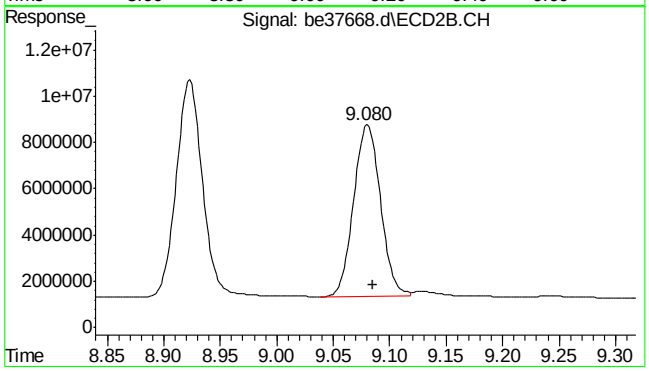
#19 4,4'-DDT

R.T.: 8.922 min
Delta R.T.: -0.005 min
Response: 152683992
Conc: 107.82 ppb m



#20 Endrin Aldehyde

R.T.: 9.072 min
Delta R.T.: -0.004 min
Response: 188671008
Conc: 96.80 ppb



#20 Endrin Aldehyde

R.T.: 9.080 min
Delta R.T.: -0.005 min
Response: 122827663
Conc: 106.21 ppb m

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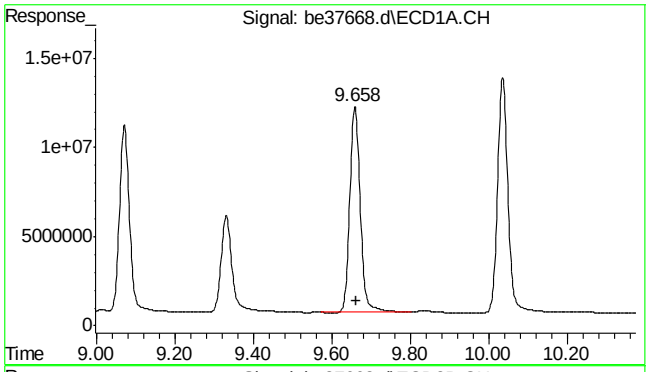
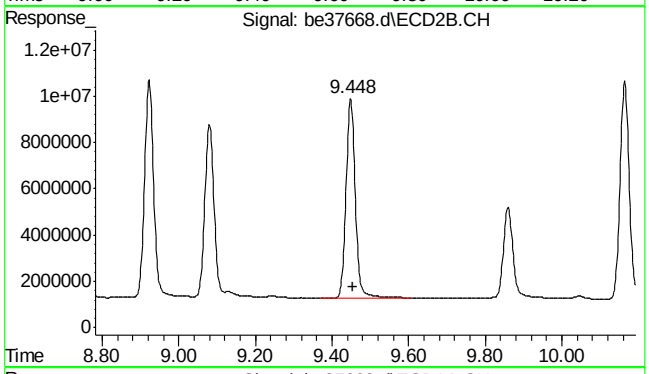


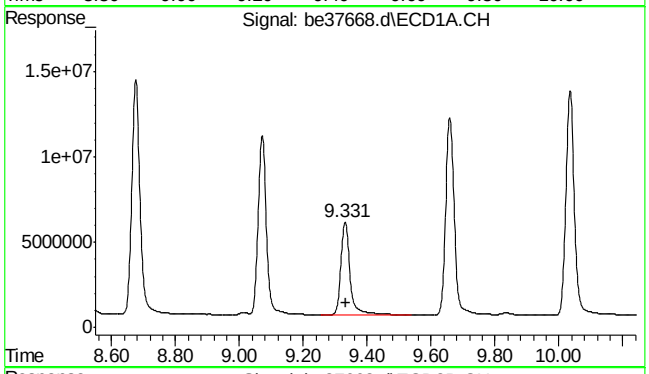
#21 Endosulfan Sulfate

R.T.: 9.659 min
Delta R.T.: -0.004 min
Response: 214700071
Conc: 99.89 ppb



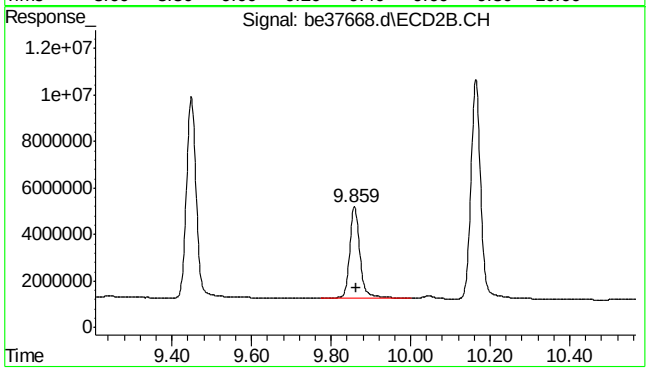
#21 Endosulfan Sulfate

R.T.: 9.449 min
Delta R.T.: -0.004 min
Response: 146545732
Conc: 113.20 ppb



#22 Methoxychlor

R.T.: 9.331 min
Delta R.T.: 0.000 min
Response: 108592175
Conc: 97.88 ppb



#22 Methoxychlor

R.T.: 9.859 min
Delta R.T.: -0.005 min
Response: 70368075
Conc: 112.97 ppb

11.6.11
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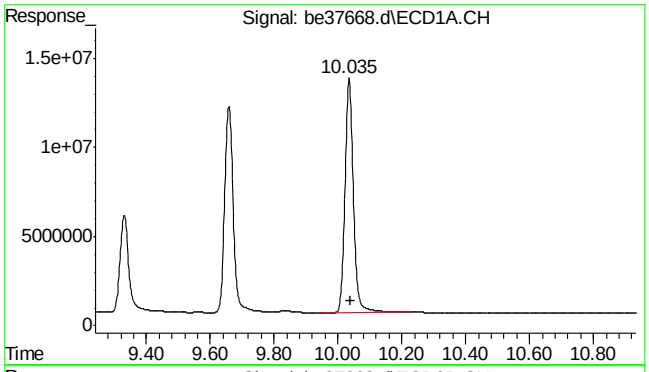
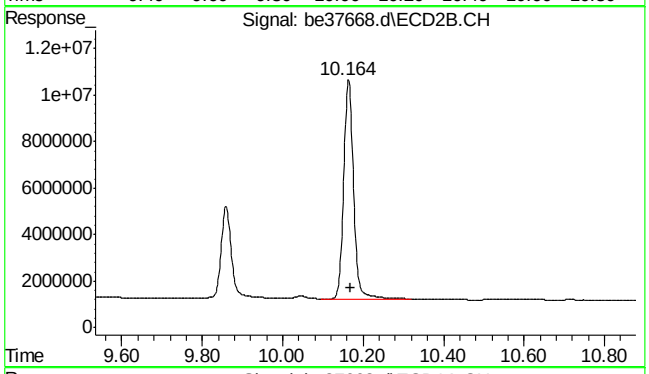


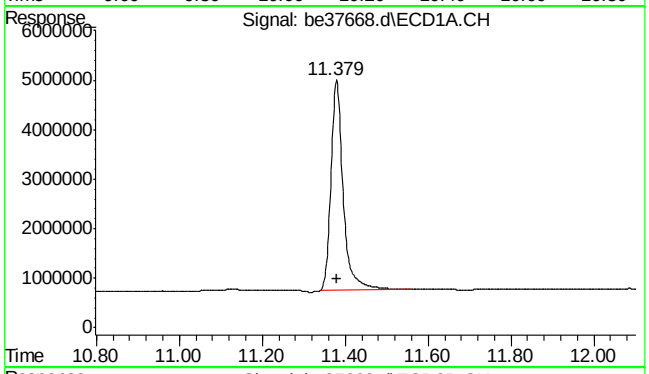
#23 Endrin Ketone

R.T.: 10.035 min
Delta R.T.: -0.004 min
Response: 242106323
Conc: 99.87 ppb



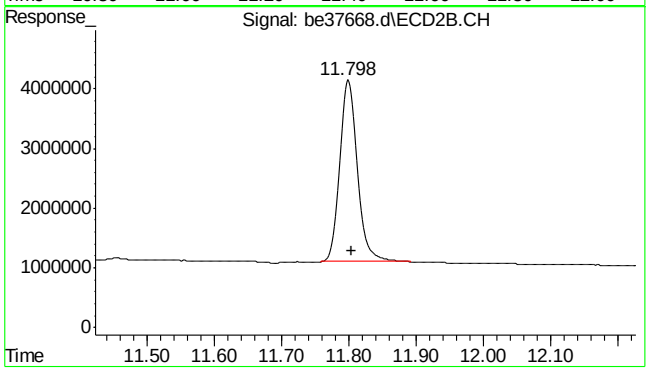
#23 Endrin Ketone

R.T.: 10.164 min
Delta R.T.: -0.005 min
Response: 160342665
Conc: 114.46 ppb



#38 DCB

R.T.: 11.379 min
Delta R.T.: -0.001 min
Response: 86650837
Conc: 44.51 ppb m



#38 DCB

R.T.: 11.798 min
Delta R.T.: -0.005 min
Response: 55267492
Conc: 54.00 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/16/13 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130815\
Data File : be37678.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 17:03:25
Operator : nickk
Sample : cc1943-100,pest
Misc : op34388,gbe1960,100,,,5,,w
ALS Vial : 96 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 15 17:23:50 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.637	3.599	123.6E6	85771257	42.905	45.618
	Spiked Amount 40.000			Recovery	=	107.26%	114.05%
38) s	DCB	11.380	11.800	80528286	47986923	41.364m	46.883m
	Spiked Amount 40.000			Recovery	=	103.41%	117.21%
	Target Compounds						
2)	Hexachlor...	4.238	4.319	398.6E6	258.7E6	92.625	102.356m
3)	Alpha-BHC	4.497	4.544	455.7E6	299.7E6	96.749	101.044m
4)	Gamma-BHC	4.981	5.086	404.8E6	268.5E6	95.439	100.361m
5)	Beta-BHC	5.113	5.221	164.6E6	109.6E6	93.313	100.938
6)	Heptachlor	5.691	5.724	358.6E6	226.6E6	92.908	101.224m
7)	Delta-BHC	5.377	5.652	399.3E6	262.9E6	95.833m	102.059m
8)	Alachlor	6.355	6.080	239.4E6	136.0E6	923.090	926.390
9)	Aldrin	6.131	6.188	367.7E6	225.8E6	97.186	99.471
10)	Heptachlo...	7.002	7.007	300.9E6	164.8E6	95.489	90.282
11)	Gamma-Chl...	7.176	7.266	331.0E6	201.0E6	95.695	102.866m
12)	Alpha-Chl...	7.362	7.471	276.6E6	187.1E6	88.191	102.235
13)	Endosulfan-I	7.551	7.543	278.0E6	170.6E6	94.920	101.861
14)	4,4'-DDE	7.480	7.722	284.0E6	182.4E6	98.771	104.004
15)	Dieldrin	7.883	7.920	297.5E6	189.0E6	95.192	102.573
16)	Endrin	8.200	8.333	265.7E6	167.5E6	97.580	105.119m
17)	4,4'-DDD	8.299	8.507	226.6E6	143.6E6	101.430	104.739m
18)	Endosulfa...	8.505	8.623	232.7E6	152.0E6	93.899	102.267m
19)	4,4'-DDT	8.677	8.925	232.4E6	147.1E6	91.224m	103.685m
20)	Endrin Al...	9.073	9.082	173.6E6	115.9E6	88.824	99.760m
21)	Endosulfa...	9.661	9.451	196.9E6	135.7E6	91.385	104.111m
22)	Methoxychlor	9.333	9.860	102.1E6	66434469	91.916	106.199m
23)	Endrin Ke...	10.037	10.165	219.3E6	146.2E6	90.221	103.571m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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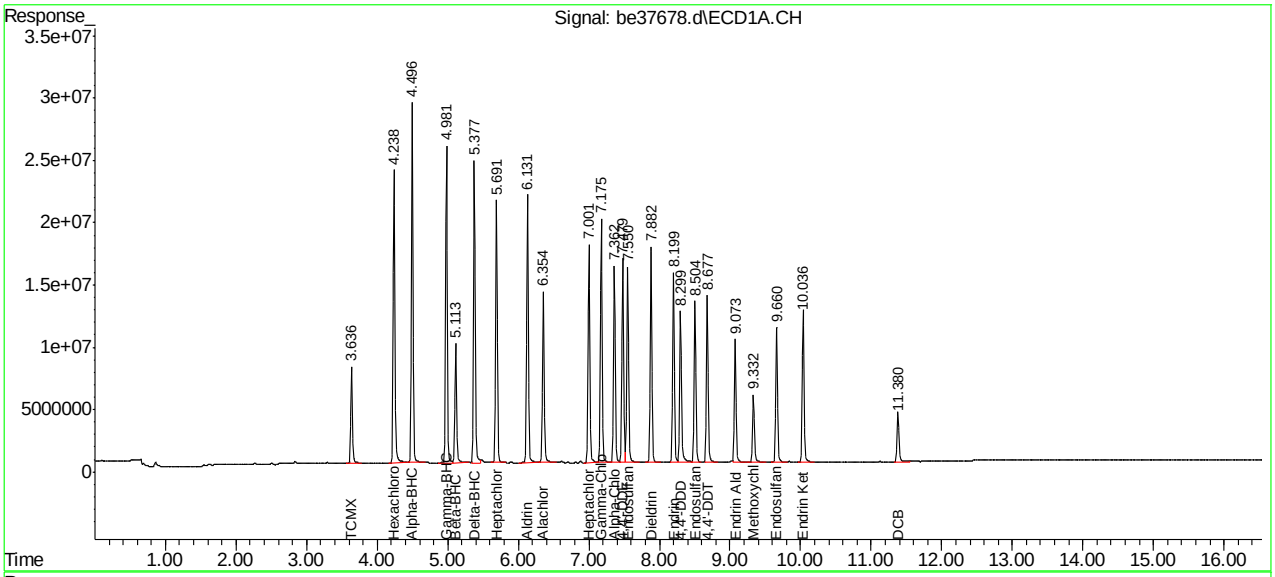
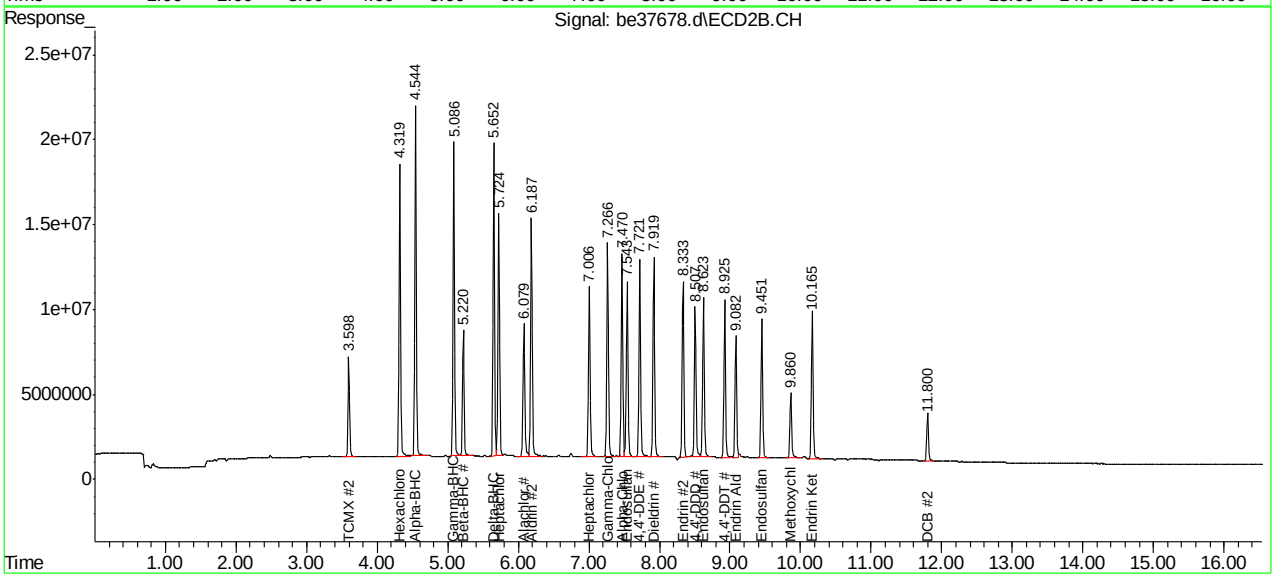
Quantitation Report (QT Reviewed)

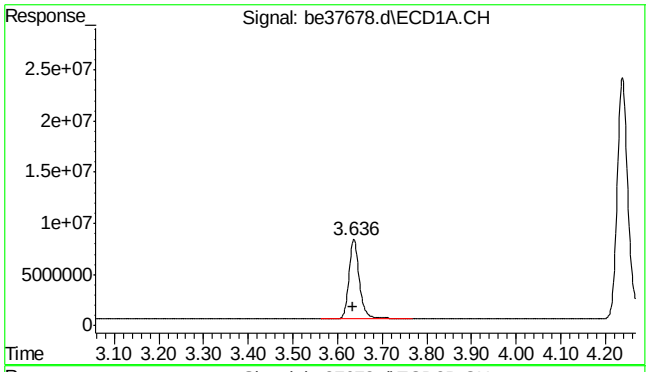
Data Path : C:\msdchem\1\data\BE130815\
Data File : be37678.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 17:03:25
Operator : nickk
Sample : cc1943-100,pest
Misc : op34388,gbe1960,100,,,5,,w
ALS Vial : 96 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 15 17:23:50 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

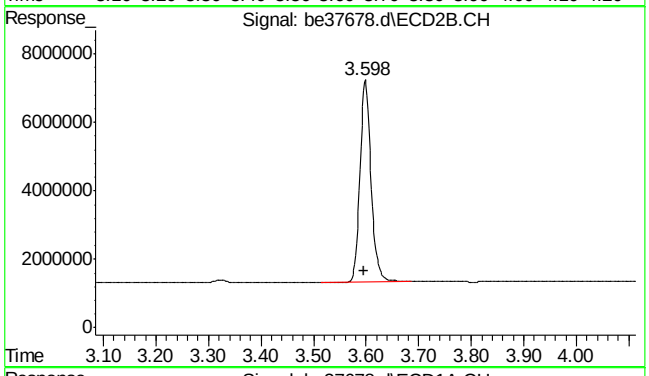






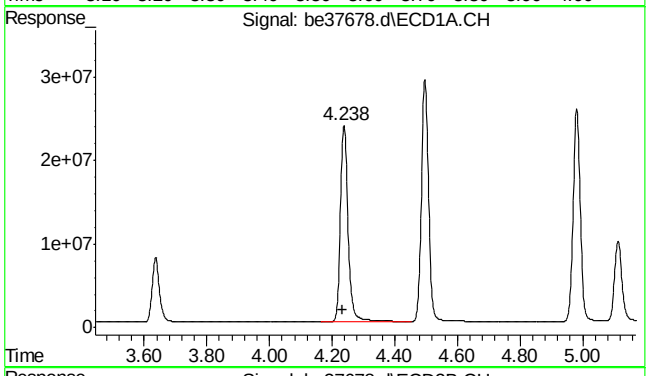
#1 TCMX

R.T.: 3.637 min
Delta R.T.: 0.003 min
Response: 123602563
Conc: 42.91 ppb



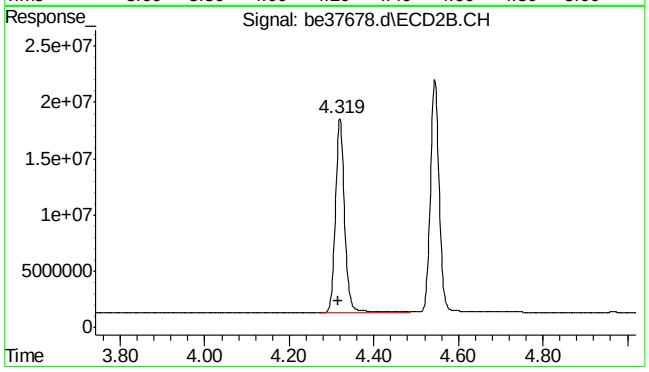
#1 TCMX

R.T.: 3.599 min
Delta R.T.: 0.003 min
Response: 85771257
Conc: 45.62 ppb



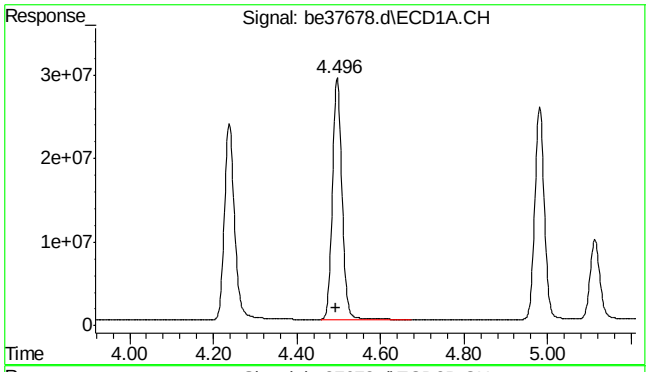
#2 Hexachlorobenzene

R.T.: 4.238 min
Delta R.T.: 0.003 min
Response: 398596344
Conc: 92.62 ppb



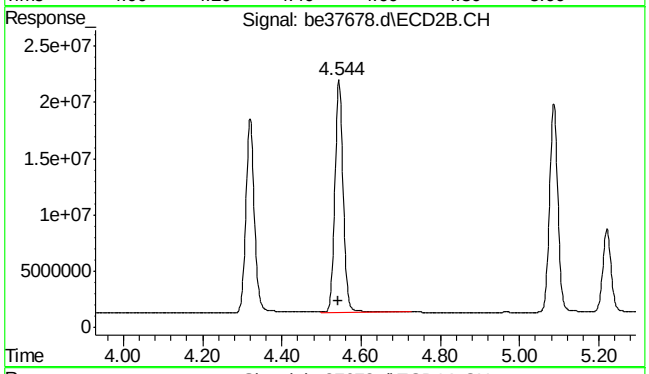
#2 Hexachlorobenzene

R.T.: 4.319 min
Delta R.T.: 0.003 min
Response: 258748095
Conc: 102.36 ppb m



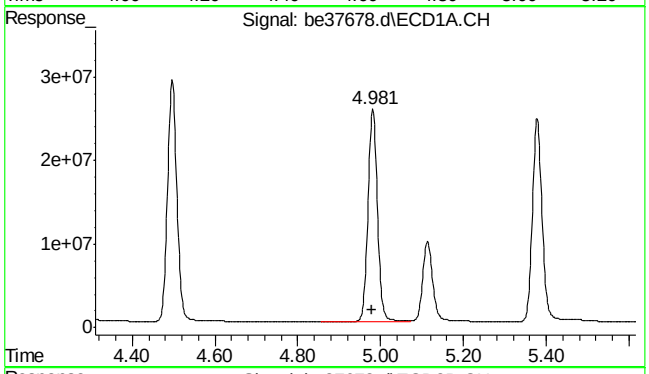
#3 Alpha-BHC

R.T.: 4.497 min
Delta R.T.: 0.003 min
Response: 455705669
Conc: 96.75 ppb



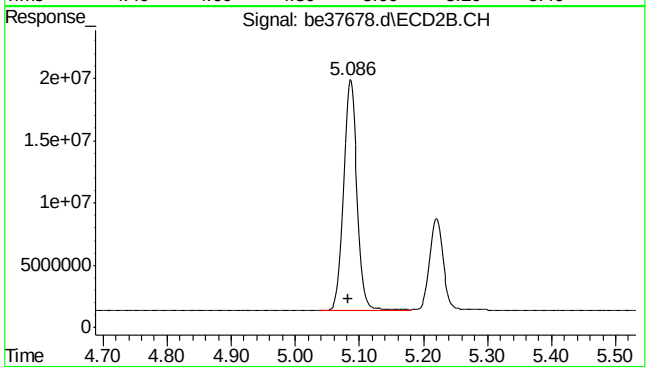
#3 Alpha-BHC

R.T.: 4.544 min
Delta R.T.: 0.002 min
Response: 299674726
Conc: 101.04 ppb m



#4 Gamma-BHC

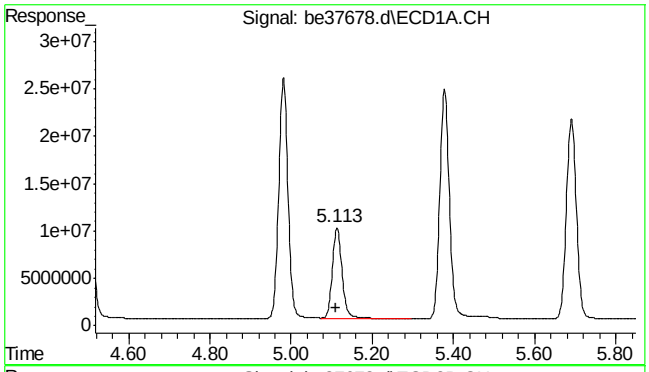
R.T.: 4.981 min
Delta R.T.: 0.004 min
Response: 404798685
Conc: 95.44 ppb



#4 Gamma-BHC

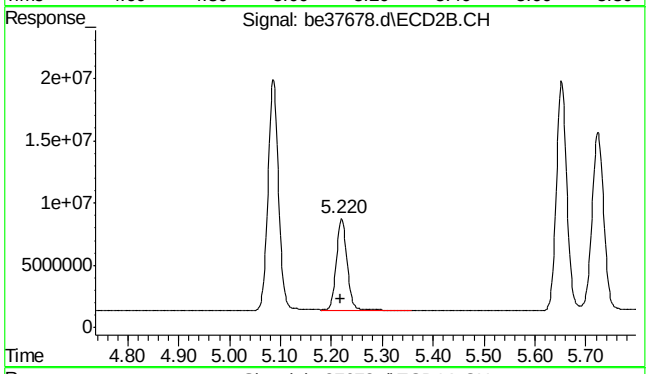
R.T.: 5.086 min
Delta R.T.: 0.002 min
Response: 268502406
Conc: 100.36 ppb m

11.6.12
11



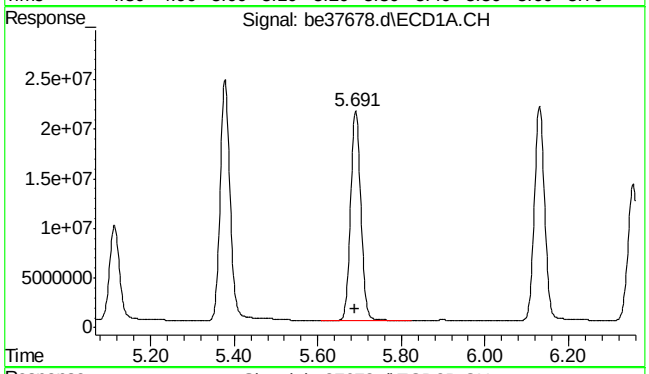
#5 Beta-BHC

R.T.: 5.113 min
Delta R.T.: 0.003 min
Response: 164577544
Conc: 93.31 ppb



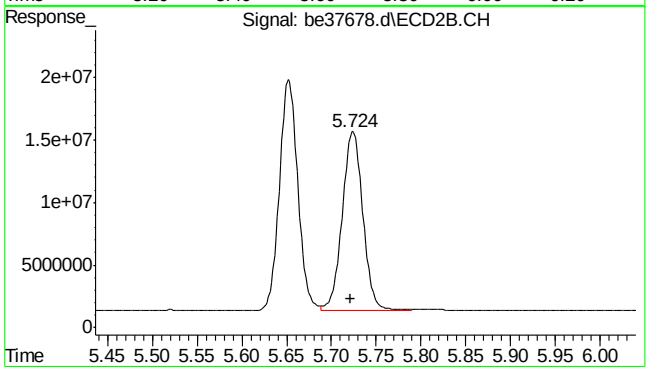
#5 Beta-BHC

R.T.: 5.221 min
Delta R.T.: 0.002 min
Response: 109639207
Conc: 100.94 ppb



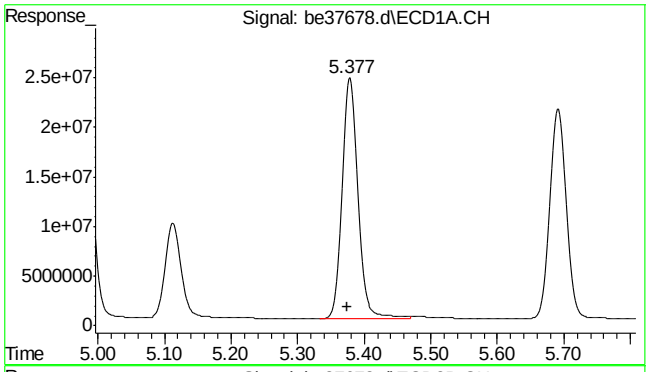
#6 Heptachlor

R.T.: 5.691 min
Delta R.T.: 0.003 min
Response: 358597149
Conc: 92.91 ppb



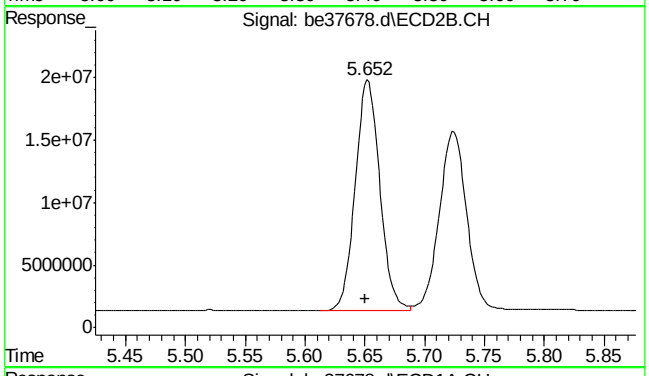
#6 Heptachlor

R.T.: 5.724 min
Delta R.T.: 0.002 min
Response: 226579494
Conc: 101.22 ppb m



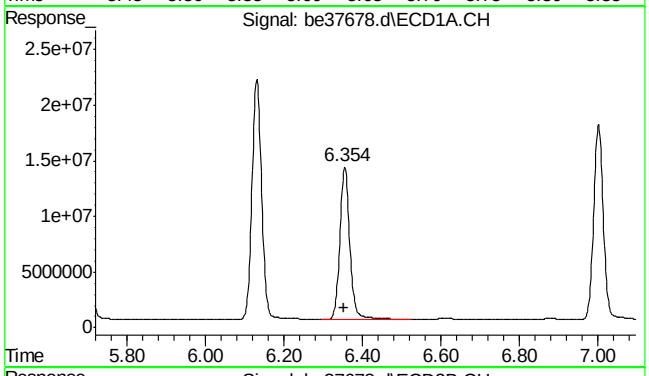
#7 Delta-BHC

R.T.: 5.377 min
Delta R.T.: 0.003 min
Response: 399317001
Conc: 95.83 ppb m



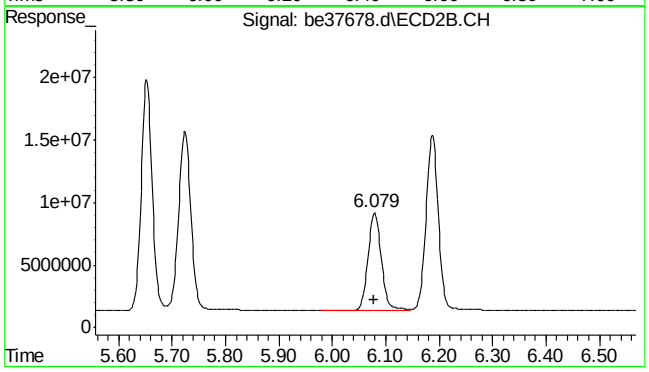
#7 Delta-BHC

R.T.: 5.652 min
Delta R.T.: 0.002 min
Response: 262881074
Conc: 102.06 ppb m



#8 Alachlor

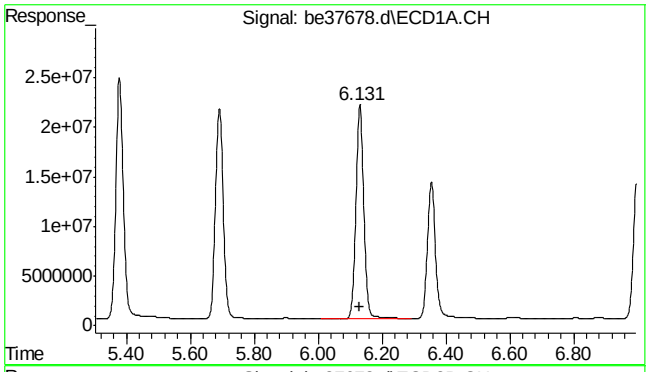
R.T.: 6.355 min
Delta R.T.: 0.002 min
Response: 239401260
Conc: 923.09 ppb



#8 Alachlor

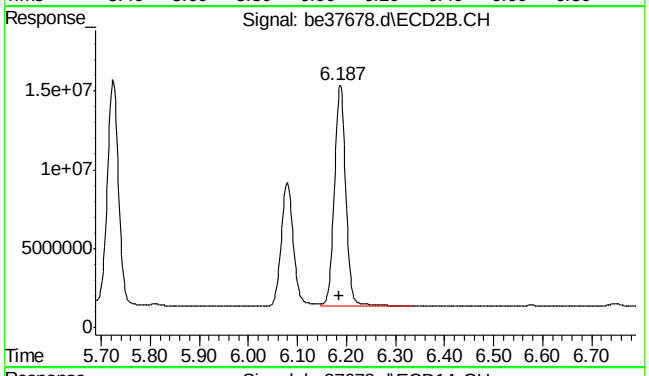
R.T.: 6.080 min
Delta R.T.: 0.002 min
Response: 135965940
Conc: 926.39 ppb

11.6.12
11



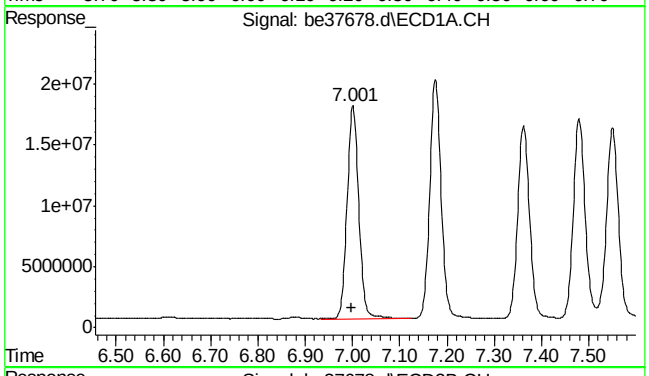
#9 Aldrin

R.T.: 6.131 min
Delta R.T.: 0.003 min
Response: 367745005
Conc: 97.19 ppb



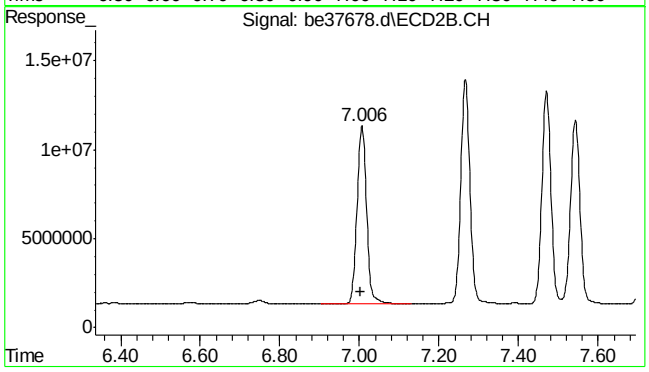
#9 Aldrin

R.T.: 6.188 min
Delta R.T.: 0.002 min
Response: 225789658
Conc: 99.47 ppb



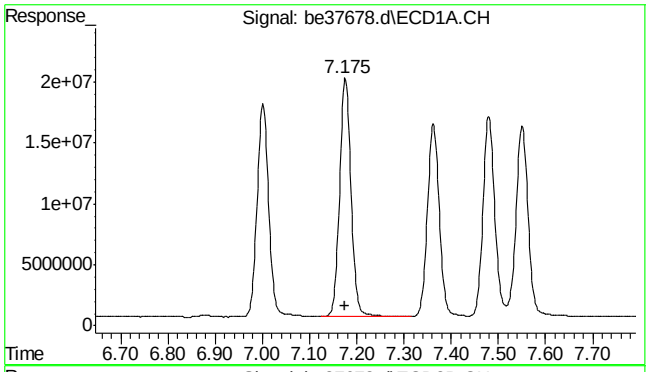
#10 Heptachlor Epoxide

R.T.: 7.002 min
Delta R.T.: 0.002 min
Response: 300941098
Conc: 95.49 ppb



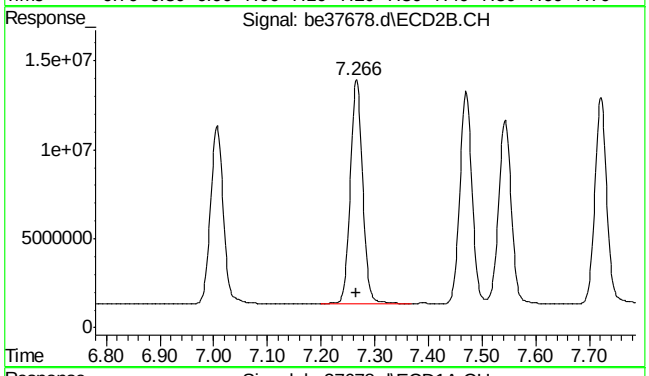
#10 Heptachlor Epoxide

R.T.: 7.007 min
Delta R.T.: 0.002 min
Response: 164773374
Conc: 90.28 ppb



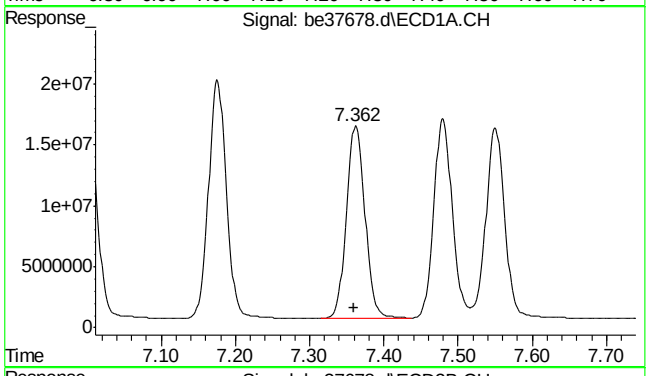
#11 Gamma-Chlordane

R.T.: 7.176 min
Delta R.T.: 0.002 min
Response: 330977563
Conc: 95.69 ppb



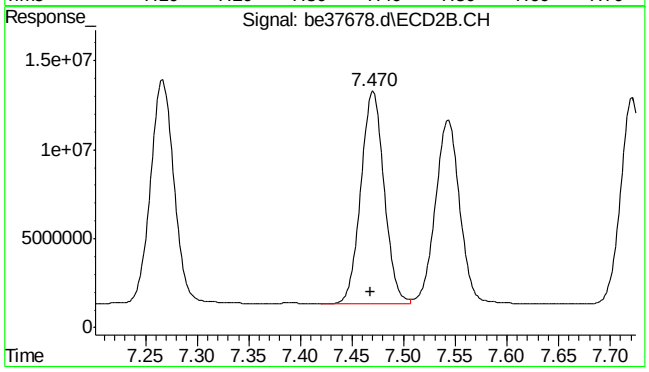
#11 Gamma-Chlordane

R.T.: 7.266 min
Delta R.T.: 0.002 min
Response: 200999598
Conc: 102.87 ppb m



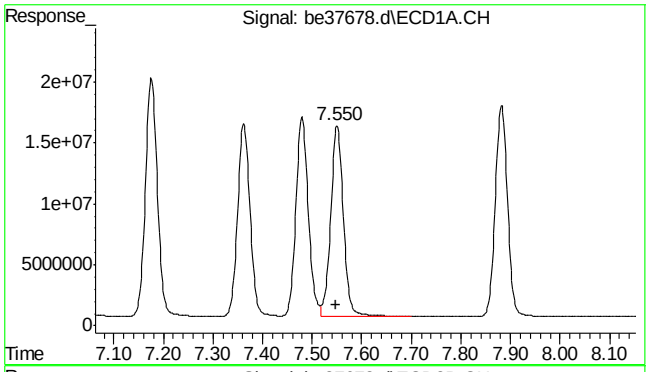
#12 Alpha-Chlordane

R.T.: 7.362 min
Delta R.T.: 0.003 min
Response: 276580697
Conc: 88.19 ppb



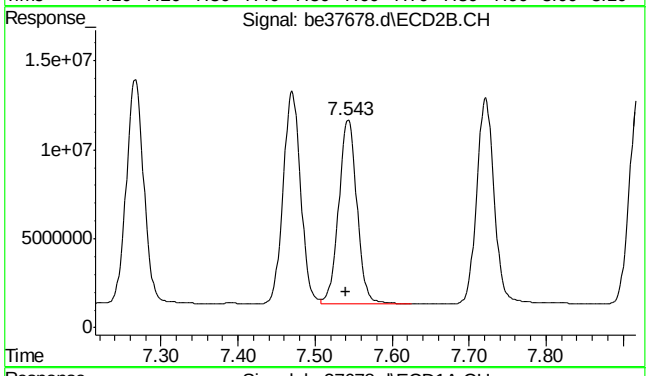
#12 Alpha-Chlordane

R.T.: 7.471 min
Delta R.T.: 0.002 min
Response: 187121295
Conc: 102.23 ppb



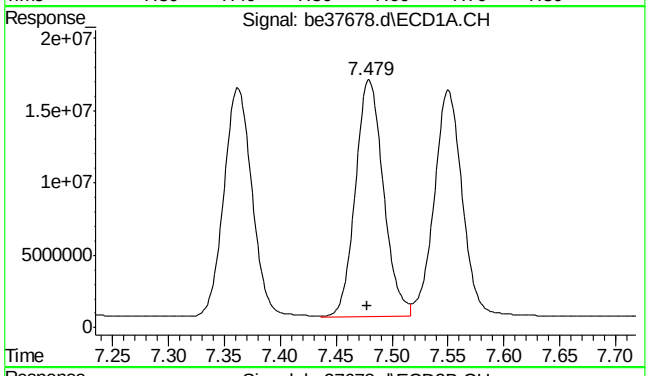
#13 Endosulfan-I

R.T.: 7.551 min
Delta R.T.: 0.002 min
Response: 277984682
Conc: 94.92 ppb



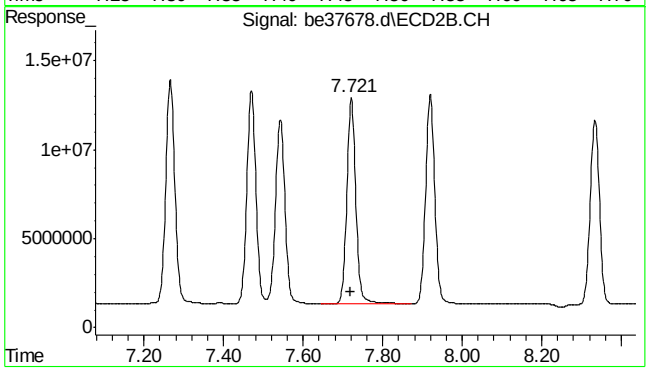
#13 Endosulfan-I

R.T.: 7.543 min
Delta R.T.: 0.002 min
Response: 170559715
Conc: 101.86 ppb



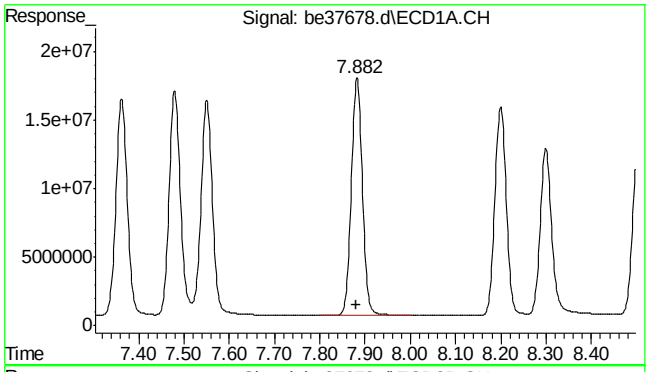
#14 4,4'-DDE

R.T.: 7.480 min
Delta R.T.: 0.002 min
Response: 283960718
Conc: 98.77 ppb



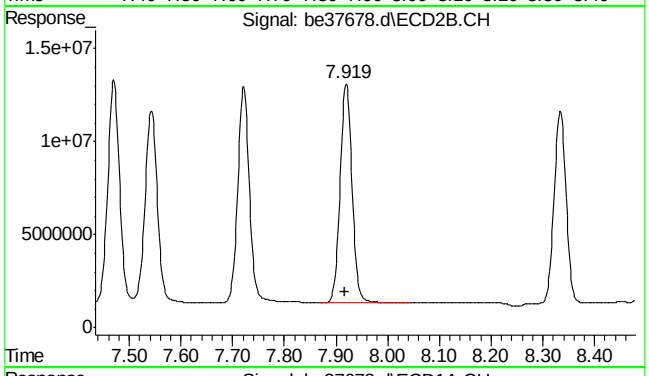
#14 4,4'-DDE

R.T.: 7.722 min
Delta R.T.: 0.003 min
Response: 182447596
Conc: 104.00 ppb



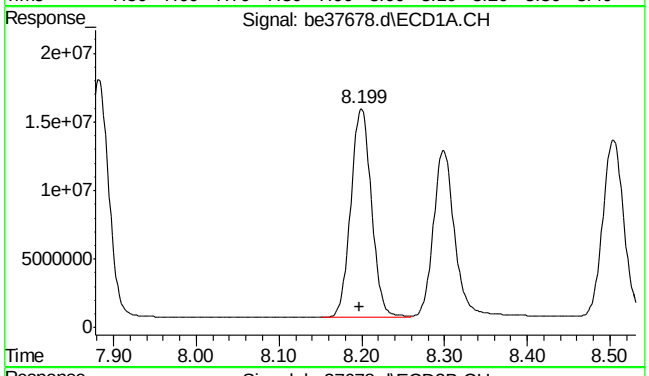
#15 Dieldrin

R.T.: 7.883 min
Delta R.T.: 0.003 min
Response: 297469072
Conc: 95.19 ppb



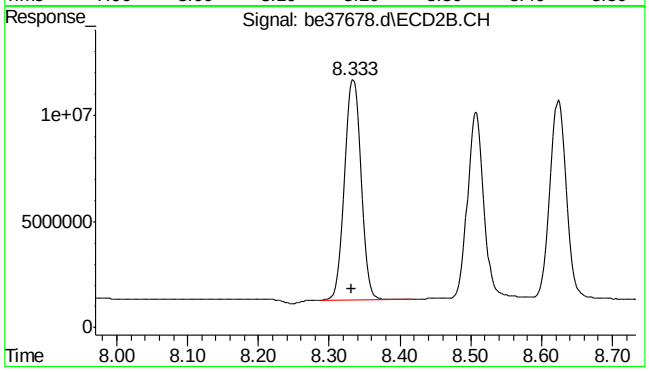
#15 Dieldrin

R.T.: 7.920 min
Delta R.T.: 0.002 min
Response: 189036267
Conc: 102.57 ppb



#16 Endrin

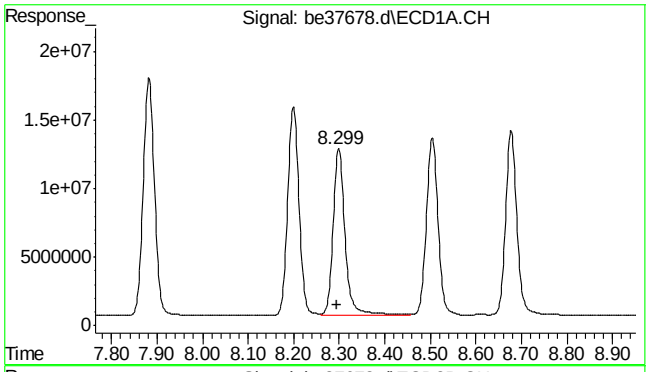
R.T.: 8.200 min
Delta R.T.: 0.002 min
Response: 265666045
Conc: 97.58 ppb



#16 Endrin

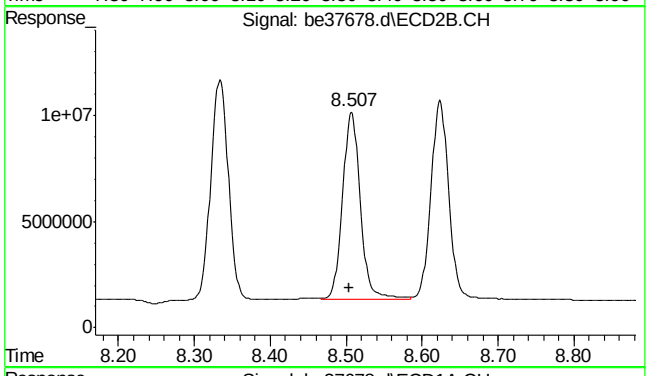
R.T.: 8.333 min
Delta R.T.: 0.002 min
Response: 167497174
Conc: 105.12 ppb m

11.6.12
11



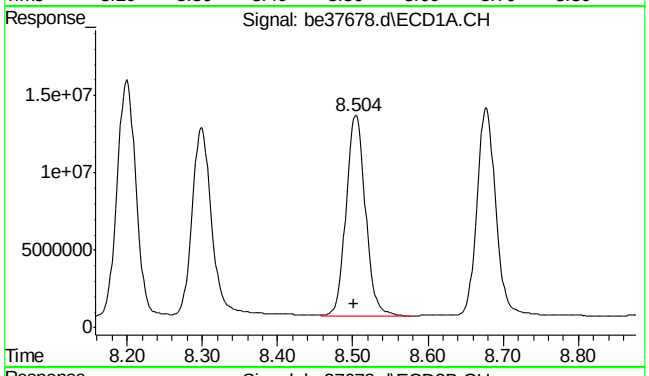
#17 4,4'-DDD

R.T.: 8.299 min
Delta R.T.: 0.003 min
Response: 226647071
Conc: 101.43 ppb



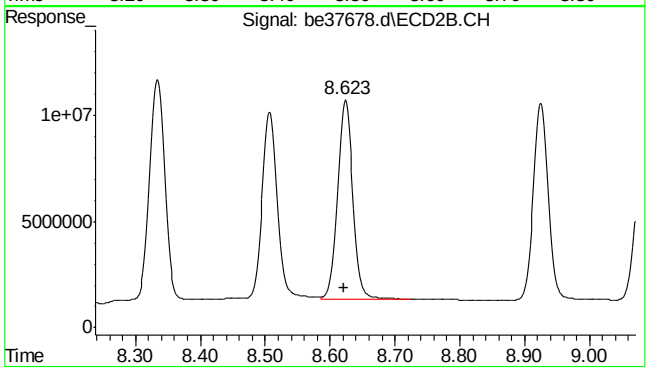
#17 4,4'-DDD

R.T.: 8.507 min
Delta R.T.: 0.002 min
Response: 143636316
Conc: 104.74 ppb m



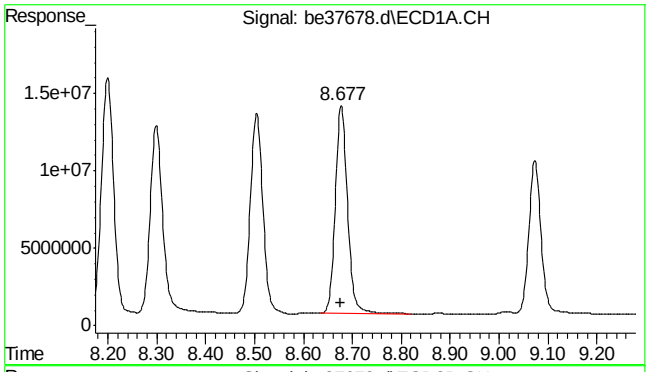
#18 Endosulfan-II

R.T.: 8.505 min
Delta R.T.: 0.003 min
Response: 232660284
Conc: 93.90 ppb



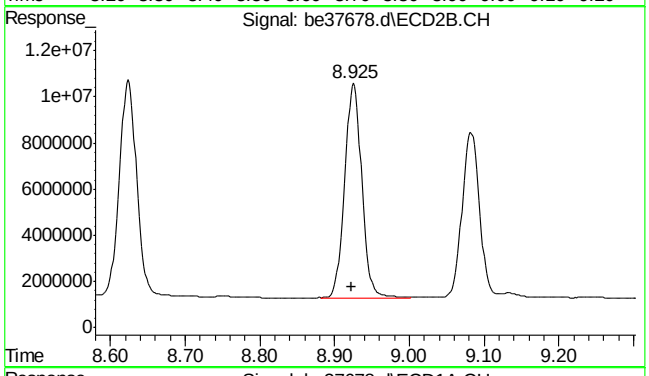
#18 Endosulfan-II

R.T.: 8.623 min
Delta R.T.: 0.002 min
Response: 152033101
Conc: 102.27 ppb m



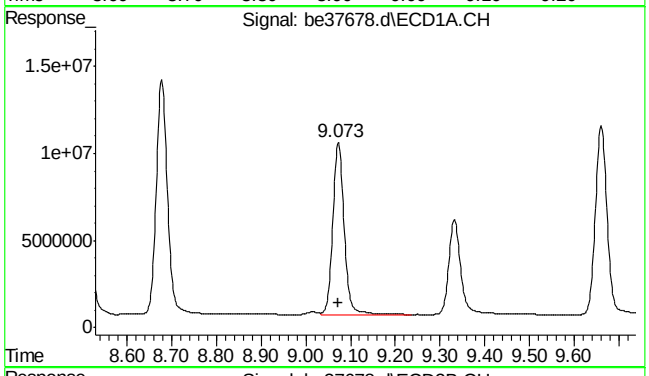
#19 4,4'-DDT

R.T.: 8.677 min
Delta R.T.: 0.002 min
Response: 232393968
Conc: 91.22 ppb m



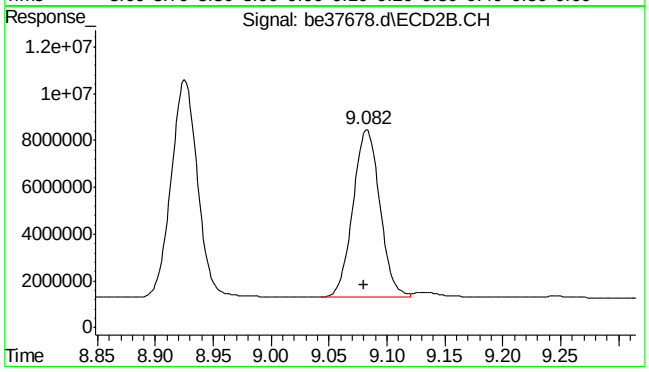
#19 4,4'-DDT

R.T.: 8.925 min
Delta R.T.: 0.002 min
Response: 147091711
Conc: 103.69 ppb m



#20 Endrin Aldehyde

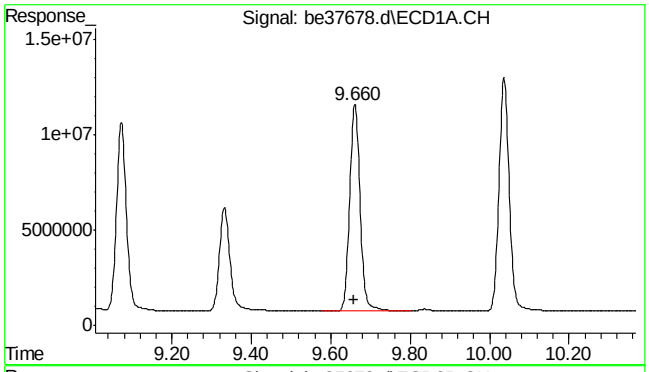
R.T.: 9.073 min
Delta R.T.: 0.002 min
Response: 173634806
Conc: 88.82 ppb



#20 Endrin Aldehyde

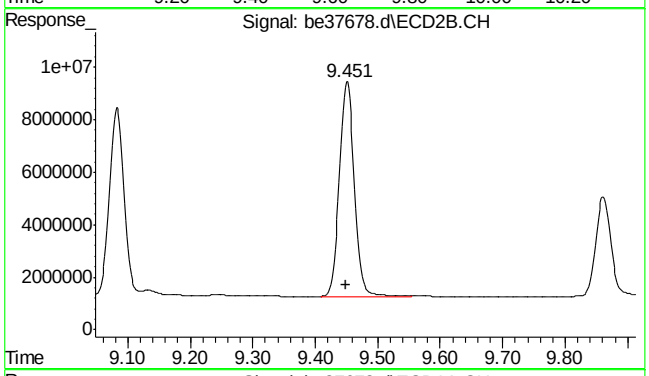
R.T.: 9.082 min
Delta R.T.: 0.002 min
Response: 115925007
Conc: 99.76 ppb m

11.6.12
11



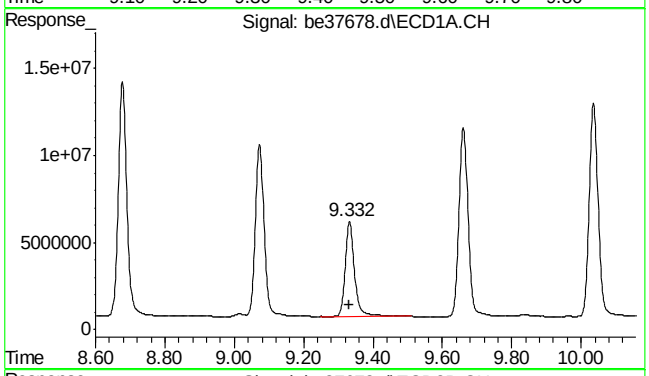
#21 Endosulfan Sulfate

R.T.: 9.661 min
Delta R.T.: 0.002 min
Response: 196938226
Conc: 91.39 ppb



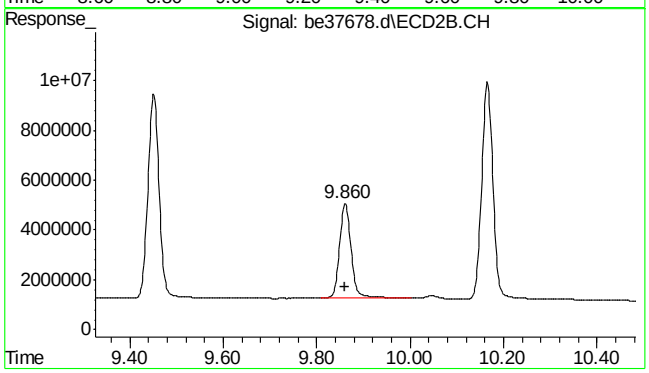
#21 Endosulfan Sulfate

R.T.: 9.451 min
Delta R.T.: 0.002 min
Response: 135684873
Conc: 104.11 ppb m



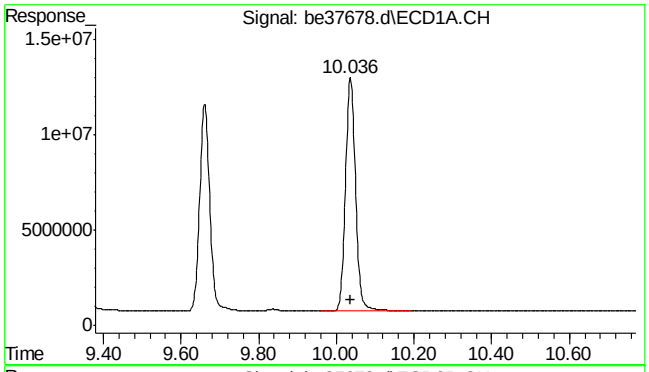
#22 Methoxychlor

R.T.: 9.333 min
Delta R.T.: 0.002 min
Response: 102146579
Conc: 91.92 ppb



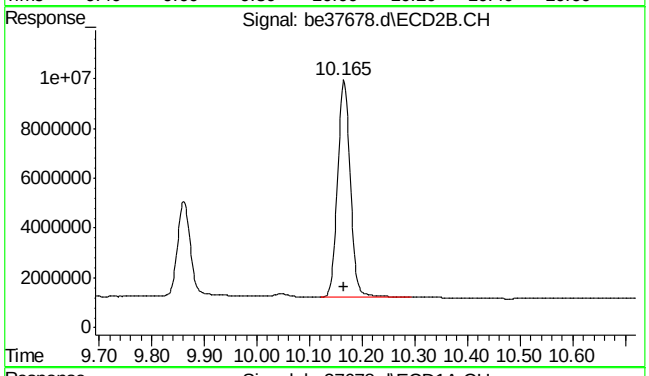
#22 Methoxychlor

R.T.: 9.860 min
Delta R.T.: 0.000 min
Response: 66434469
Conc: 106.20 ppb m



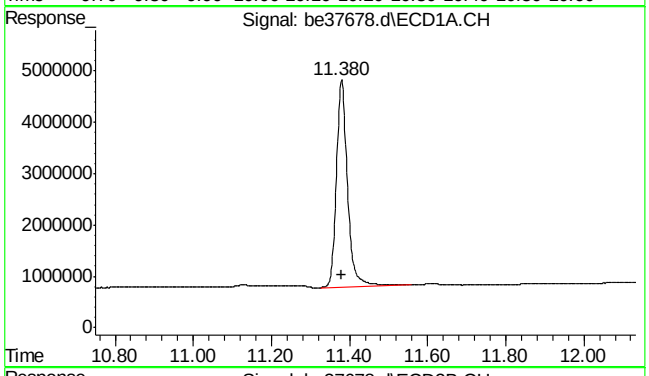
#23 Endrin Ketone

R.T.: 10.037 min
Delta R.T.: 0.001 min
Response: 219329273
Conc: 90.22 ppb



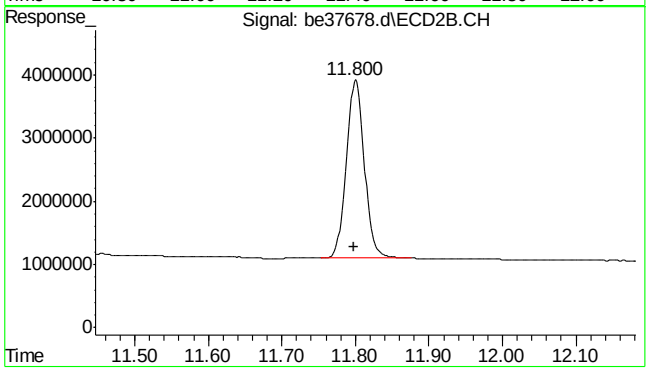
#23 Endrin Ketone

R.T.: 10.165 min
Delta R.T.: 0.000 min
Response: 146163929
Conc: 103.57 ppb m



#38 DCB

R.T.: 11.380 min
Delta R.T.: 0.001 min
Response: 80528286
Conc: 41.36 ppb m



#38 DCB

R.T.: 11.800 min
Delta R.T.: 0.002 min
Response: 47986923
Conc: 46.88 ppb m

11.6.12
11

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/16/13 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130815\
Data File : be37683.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 18:50:06
Operator : nickk
Sample : ecc1943-100,pest
Misc : op34388,gbe1960,100,,,5,,w
ALS Vial : 96 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 09:29:49 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.636	3.598	127.6E6	88495208	44.291	47.067
	Spiked Amount 40.000			Recovery =		110.73%	117.67%
38) s	DCB	11.381	11.799	80508438	49959801	41.354	48.810m
	Spiked Amount 40.000			Recovery =		103.38%	122.03%
	Target Compounds						
2)	Hexachlor...	4.238	4.320	406.8E6	266.2E6	94.530	105.387
3)	Alpha-BHC	4.496	4.545	464.1E6	313.0E6	98.532	105.596
4)	Gamma-BHC	4.981	5.086	410.4E6	276.0E6	96.765	103.235m
5)	Beta-BHC	5.113	5.221	166.7E6	113.2E6	94.505	104.359
6)	Heptachlor	5.691	5.724	363.0E6	235.4E6	94.097	105.454m
7)	Delta-BHC	5.378	5.653	402.3E6	264.3E6	96.539	102.642
8)	Alachlor	6.355	6.080	242.0E6	138.7E6	933.548	948.164
9)	Aldrin	6.131	6.188	376.2E6	232.9E6	99.431	102.804
10)	Heptachlo...	7.001	7.007	304.0E6	163.6E6	96.500	89.608m
11)	Gamma-Chl...	7.177	7.266	338.2E6	205.5E6	97.797	105.255m
12)	Alpha-Chl...	7.362	7.471	274.5E6	191.0E6	87.533	104.479
13)	Endosulfan-I	7.551	7.542	285.3E6	173.7E6	97.541	103.879m
14)	4,4'-DDE	7.480	7.721	291.9E6	187.0E6	101.543	106.731m
15)	Dieldrin	7.881	7.920	305.9E6	193.9E6	98.000	105.410
16)	Endrin	8.200	8.333	269.6E6	168.8E6	99.041	105.988m
17)	4,4'-DDD	8.299	8.506	235.4E6	145.2E6	105.332	105.930m
18)	Endosulfa...	8.504	8.623	239.1E6	152.9E6	96.601	102.873m
19)	4,4'-DDT	8.677	8.924	236.5E6	148.2E6	92.864m	104.509m
20)	Endrin Al...	9.073	9.082	179.4E6	118.1E6	91.871	101.814m
21)	Endosulfa...	9.661	9.450	203.0E6	138.9E6	94.303	106.767m
22)	Methoxychlor	9.333	9.860	103.5E6	65757943	93.185	105.040m
23)	Endrin Ke...	10.037	10.166	227.7E6	151.8E6	93.754	107.896

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

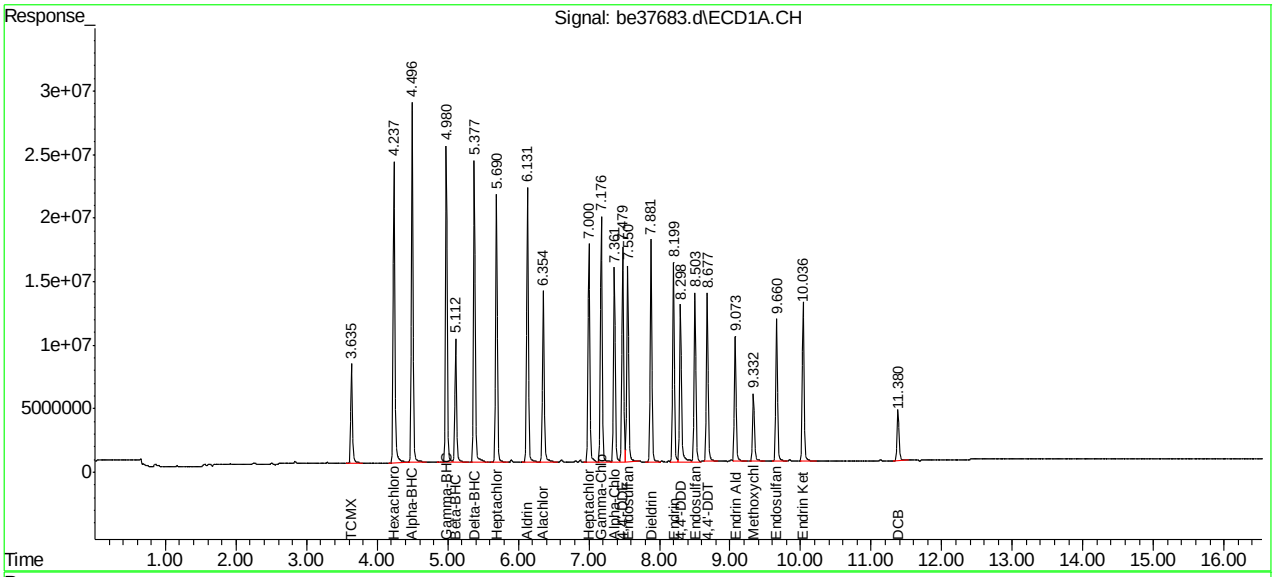
11.6.13
11

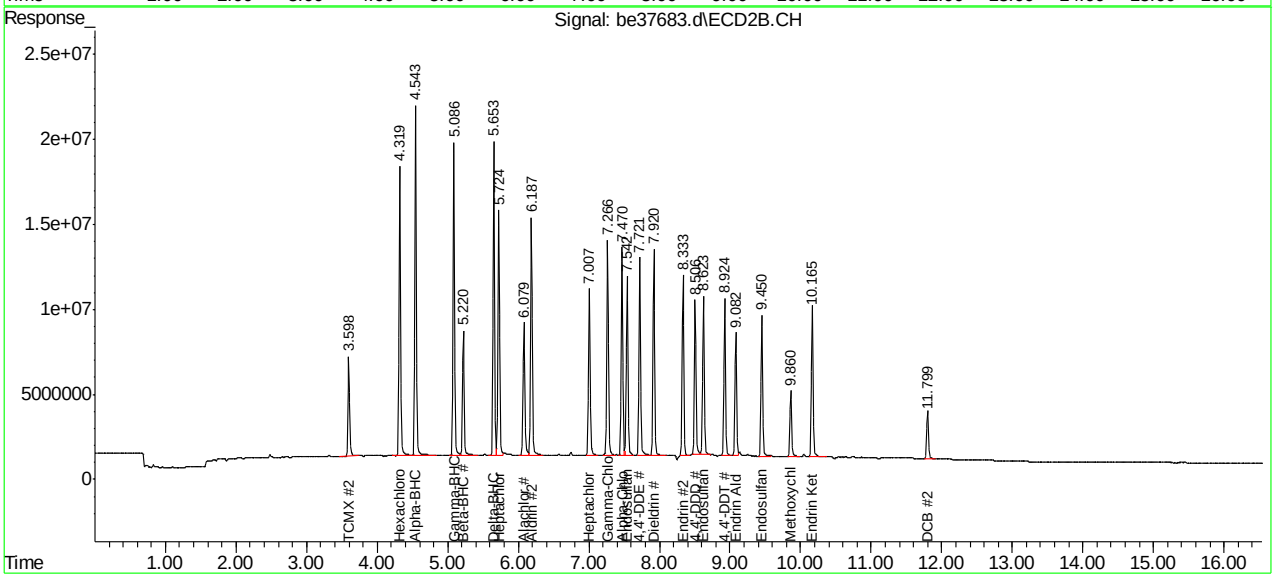
Quantitation Report (QT Reviewed)

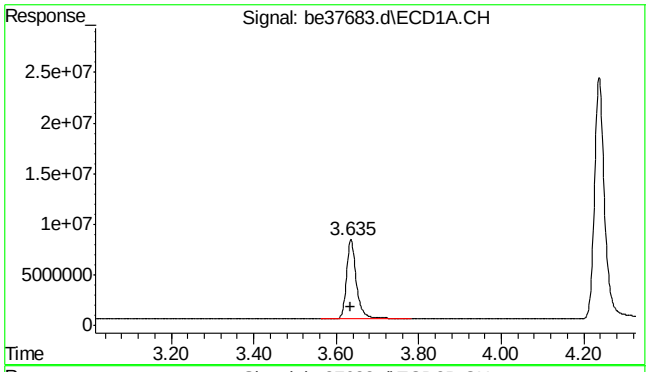
Data Path : C:\msdchem\1\data\BE130815\
Data File : be37683.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15-Aug-13, 18:50:06
Operator : nickk
Sample : ecc1943-100,pest
Misc : op34388,gbe1960,100,,,5,,w
ALS Vial : 96 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 09:29:49 2013
Quant Method : C:\msdchem\1\methods\PT130815.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

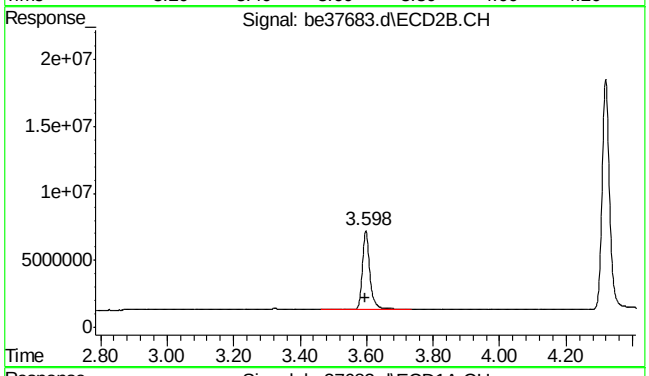






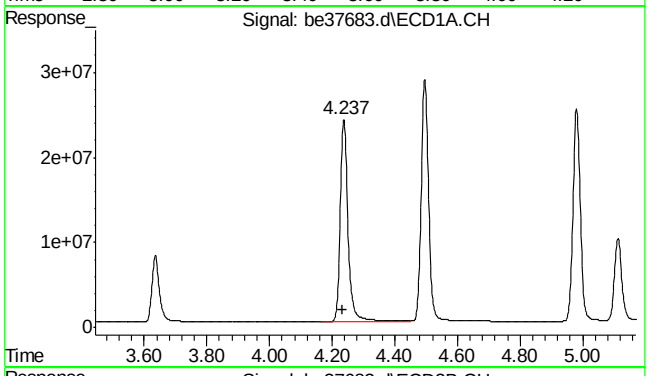
#1 TCMX

R.T.: 3.636 min
Delta R.T.: 0.002 min
Response: 127592980
Conc: 44.29 ppb



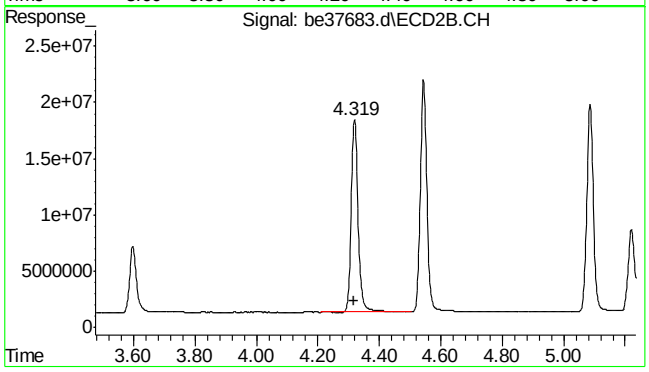
#1 TCMX

R.T.: 3.598 min
Delta R.T.: 0.003 min
Response: 88495208
Conc: 47.07 ppb



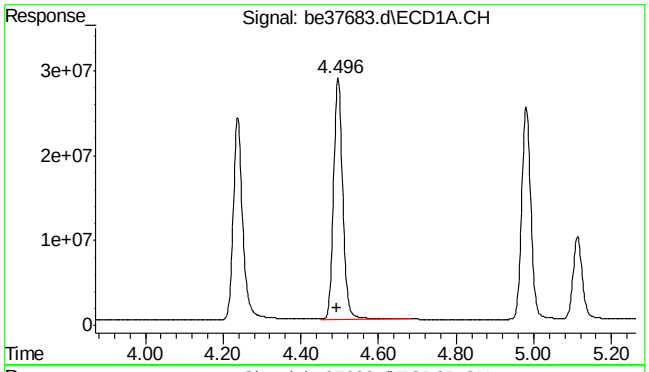
#2 Hexachlorobenzene

R.T.: 4.238 min
Delta R.T.: 0.002 min
Response: 406796502
Conc: 94.53 ppb



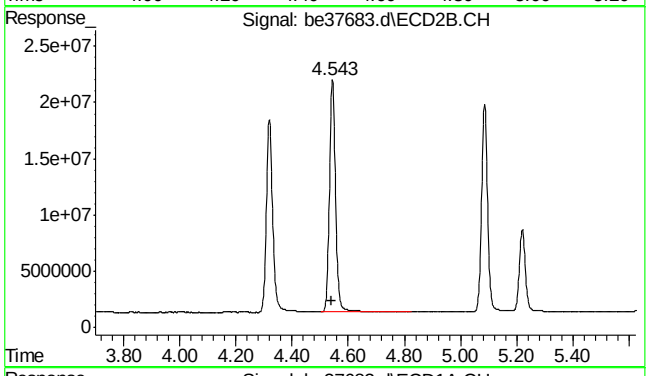
#2 Hexachlorobenzene

R.T.: 4.320 min
Delta R.T.: 0.003 min
Response: 266152174
Conc: 105.39 ppb



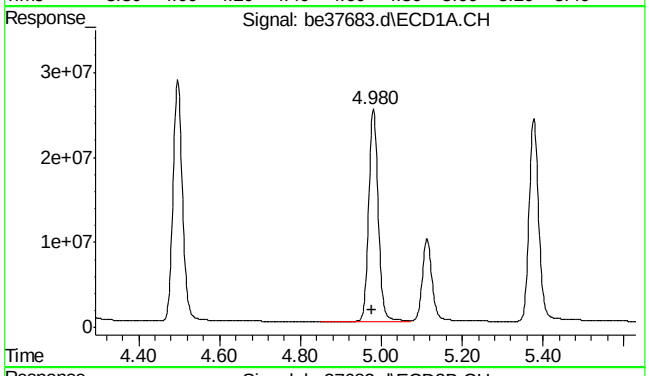
#3 Alpha-BHC

R.T.: 4.496 min
Delta R.T.: 0.003 min
Response: 464100844
Conc: 98.53 ppb



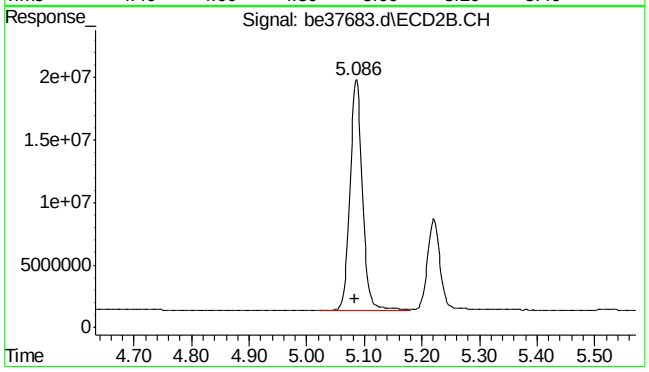
#3 Alpha-BHC

R.T.: 4.545 min
Delta R.T.: 0.003 min
Response: 312966166
Conc: 105.60 ppb



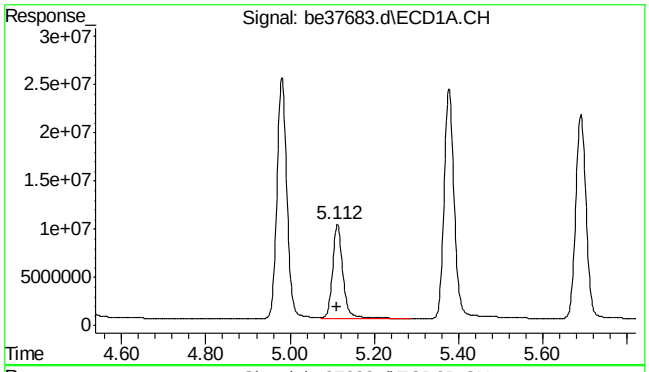
#4 Gamma-BHC

R.T.: 4.981 min
Delta R.T.: 0.003 min
Response: 410420601
Conc: 96.76 ppb



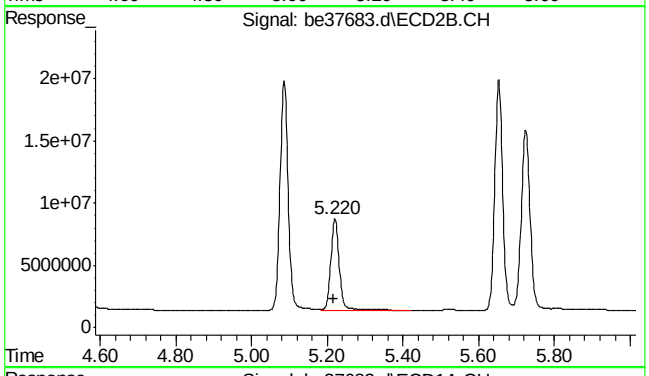
#4 Gamma-BHC

R.T.: 5.086 min
Delta R.T.: 0.002 min
Response: 275976715
Conc: 103.24 ppb m



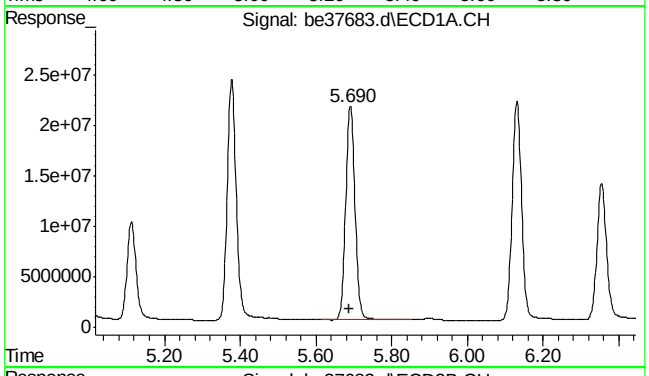
#5 Beta-BHC

R.T.: 5.113 min
Delta R.T.: 0.002 min
Response: 166681156
Conc: 94.51 ppb



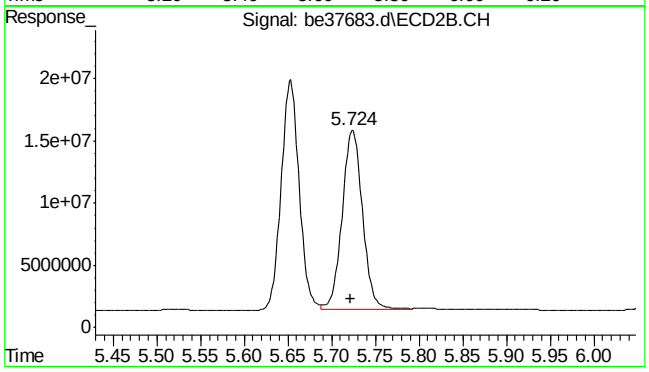
#5 Beta-BHC

R.T.: 5.221 min
Delta R.T.: 0.003 min
Response: 113185110
Conc: 104.36 ppb



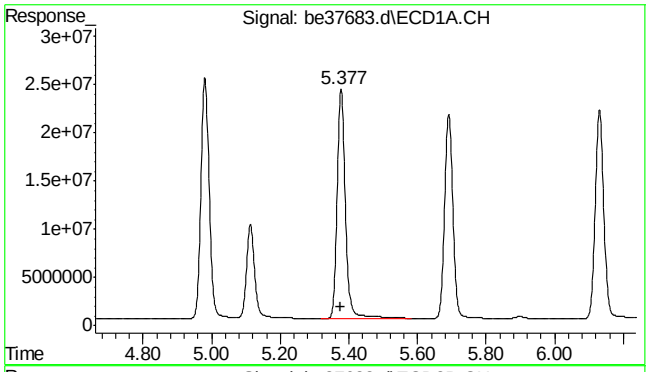
#6 Heptachlor

R.T.: 5.691 min
Delta R.T.: 0.002 min
Response: 362964782
Conc: 94.10 ppb



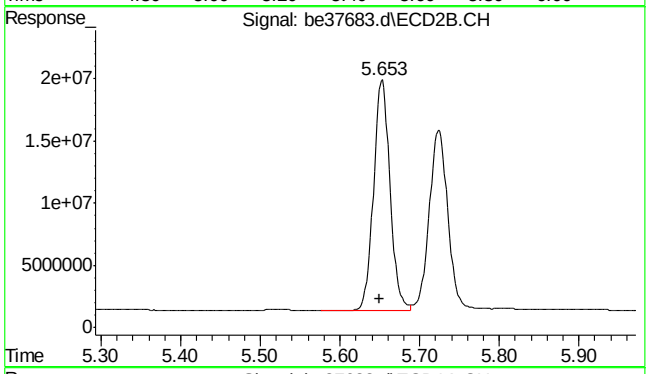
#6 Heptachlor

R.T.: 5.724 min
Delta R.T.: 0.002 min
Response: 235367421
Conc: 105.45 ppb m



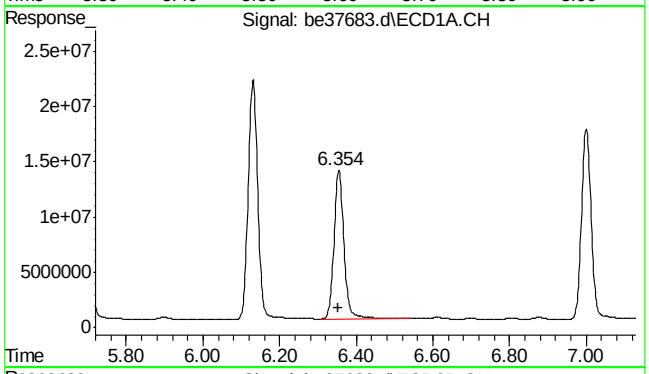
#7 Delta-BHC

R.T.: 5.378 min
Delta R.T.: 0.003 min
Response: 402260209
Conc: 96.54 ppb



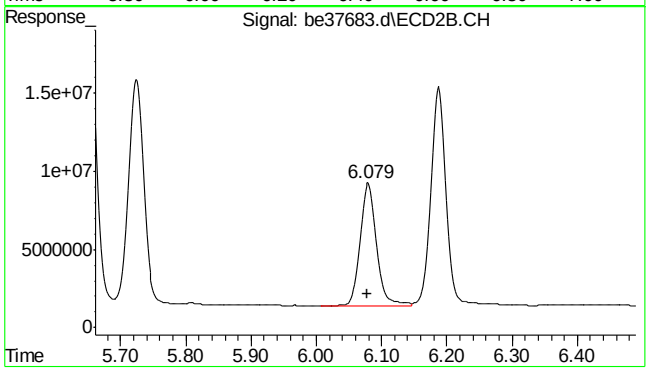
#7 Delta-BHC

R.T.: 5.653 min
Delta R.T.: 0.003 min
Response: 264338863
Conc: 102.64 ppb



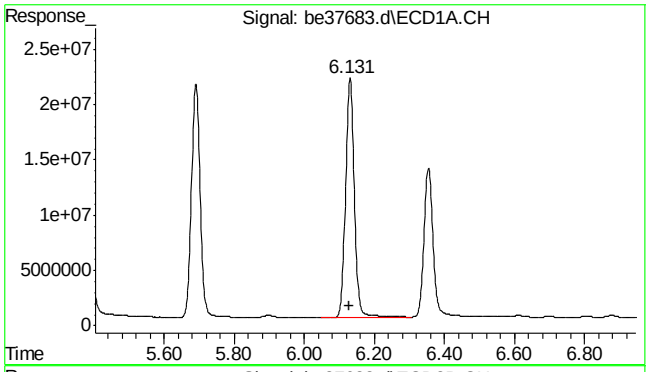
#8 Alachlor

R.T.: 6.355 min
Delta R.T.: 0.001 min
Response: 241957521
Conc: 933.55 ppb



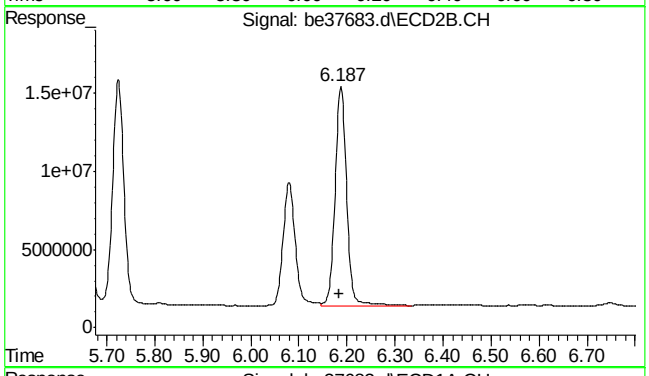
#8 Alachlor

R.T.: 6.080 min
Delta R.T.: 0.002 min
Response: 138721967
Conc: 948.16 ppb



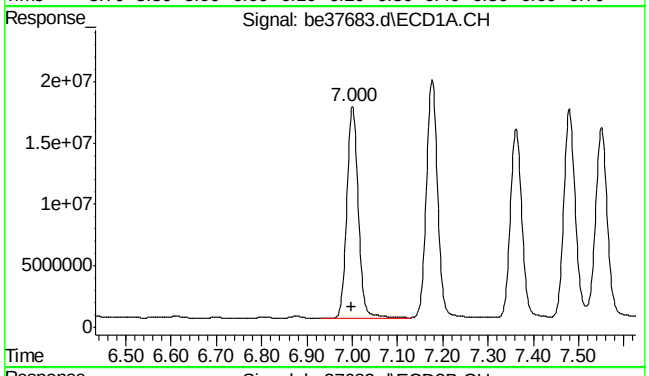
#9 Aldrin

R.T.: 6.131 min
Delta R.T.: 0.003 min
Response: 376238530
Conc: 99.43 ppb



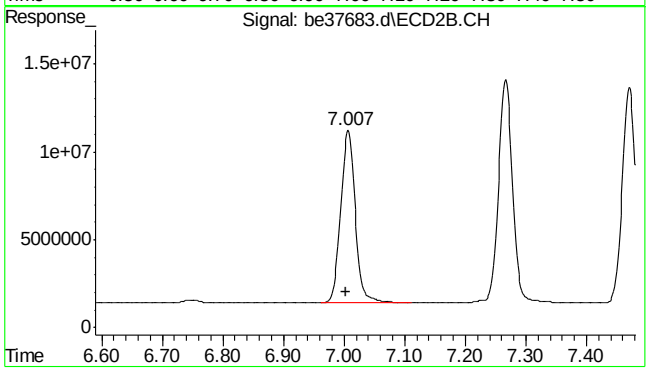
#9 Aldrin

R.T.: 6.188 min
Delta R.T.: 0.003 min
Response: 232906815
Conc: 102.80 ppb



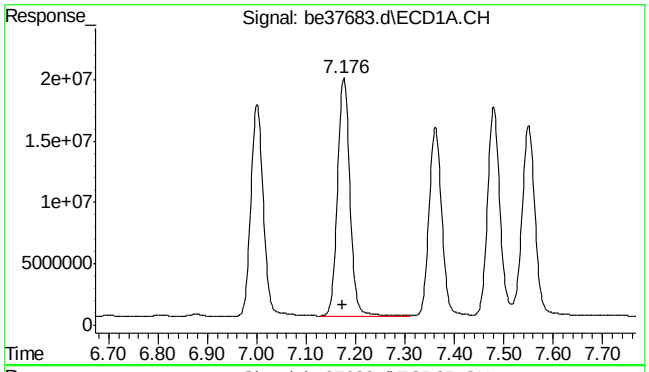
#10 Heptachlor Epoxide

R.T.: 7.001 min
Delta R.T.: 0.002 min
Response: 303967866
Conc: 96.50 ppb



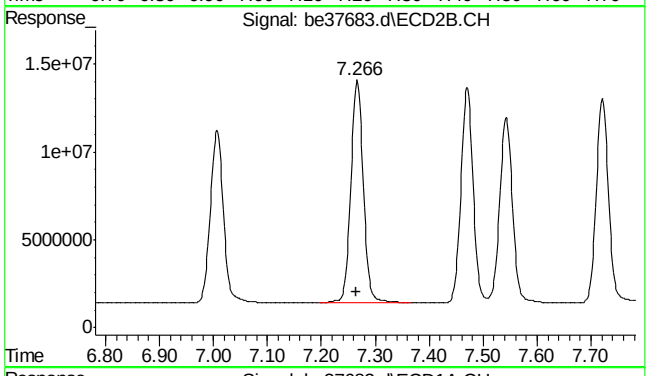
#10 Heptachlor Epoxide

R.T.: 7.007 min
Delta R.T.: 0.002 min
Response: 163619536
Conc: 89.61 ppb m



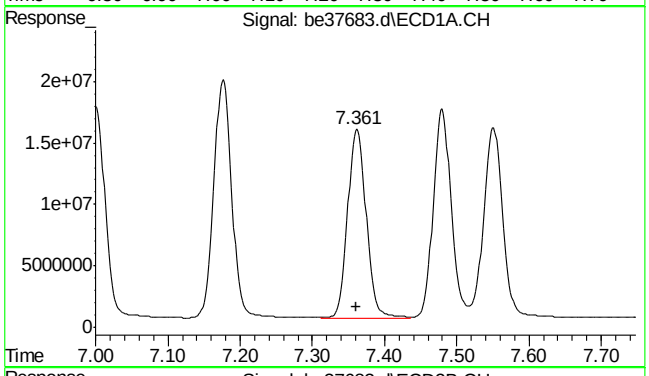
#11 Gamma-Chlordane

R.T.: 7.177 min
Delta R.T.: 0.002 min
Response: 338246395
Conc: 97.80 ppb



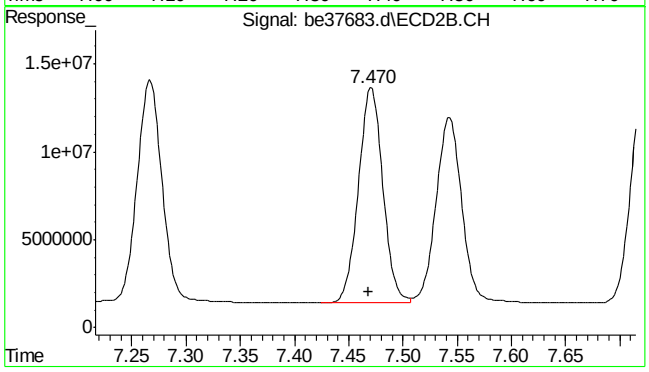
#11 Gamma-Chlordane

R.T.: 7.266 min
Delta R.T.: 0.002 min
Response: 205454398
Conc: 105.25 ppb m



#12 Alpha-Chlordane

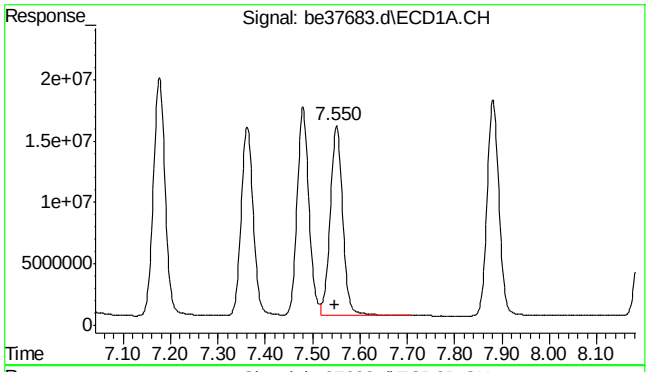
R.T.: 7.362 min
Delta R.T.: 0.002 min
Response: 274516873
Conc: 87.53 ppb



#12 Alpha-Chlordane

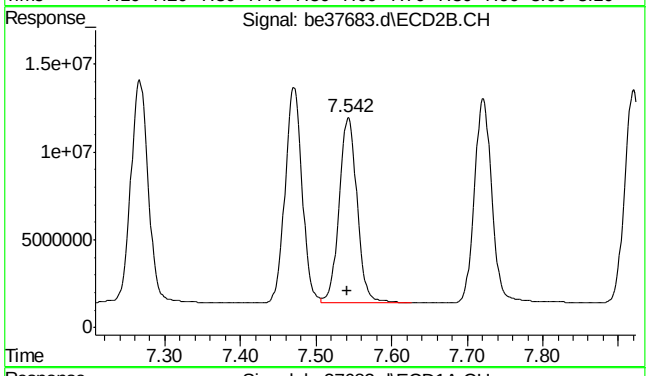
R.T.: 7.471 min
Delta R.T.: 0.002 min
Response: 191042138
Conc: 104.48 ppb

11.6.13
11



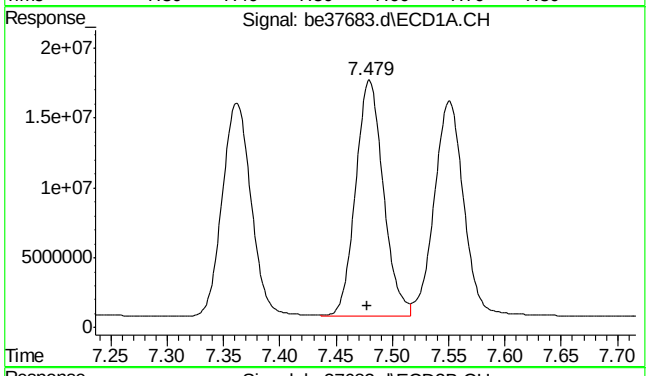
#13 Endosulfan-I

R.T.: 7.551 min
Delta R.T.: 0.003 min
Response: 285327478
Conc: 97.54 ppb



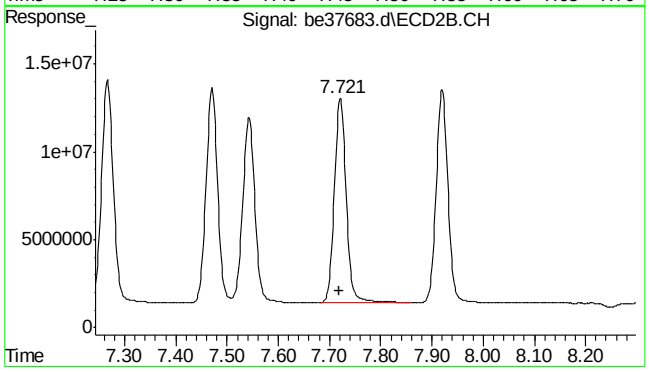
#13 Endosulfan-I

R.T.: 7.542 min
Delta R.T.: 0.001 min
Response: 173679046
Conc: 103.88 ppb m



#14 4,4'-DDE

R.T.: 7.480 min
Delta R.T.: 0.002 min
Response: 291932122
Conc: 101.54 ppb



#14 4,4'-DDE

R.T.: 7.721 min
Delta R.T.: 0.002 min
Response: 186990132
Conc: 106.73 ppb m

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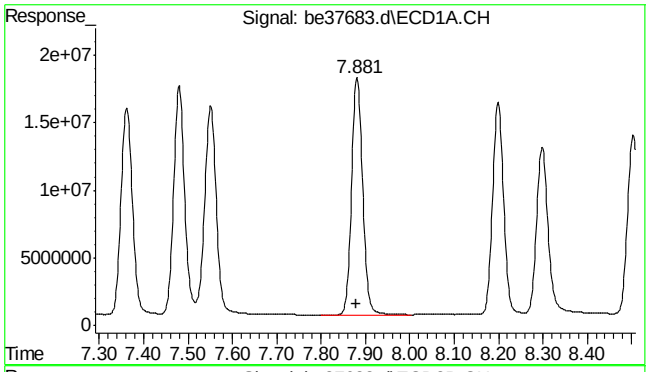
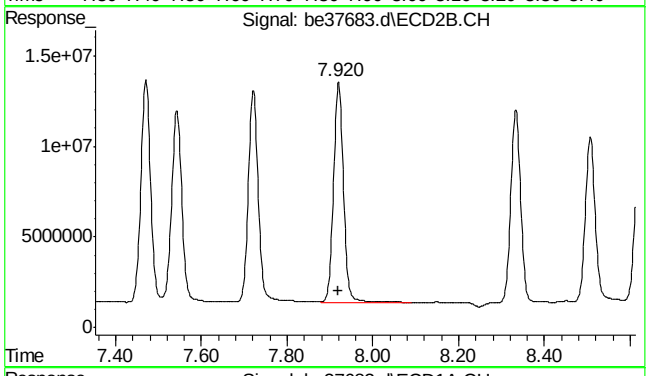


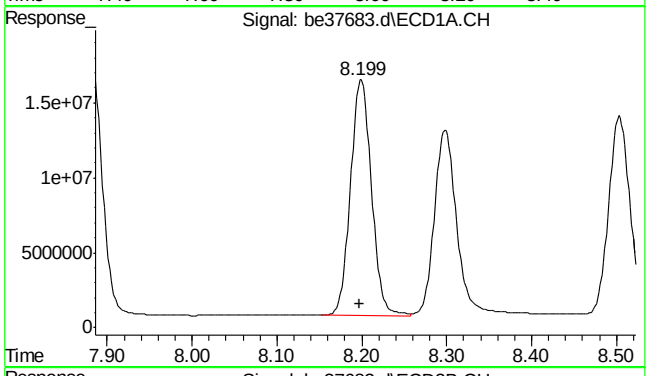
#15 Dieldrin

R.T.: 7.881 min
Delta R.T.: 0.002 min
Response: 305940908
Conc: 98.00 ppb



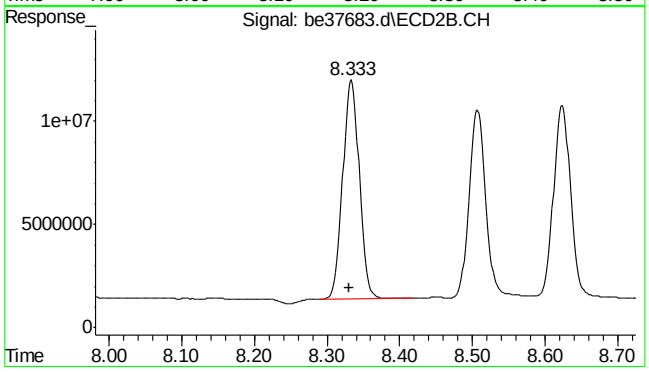
#15 Dieldrin

R.T.: 7.920 min
Delta R.T.: 0.002 min
Response: 193882477
Conc: 105.41 ppb



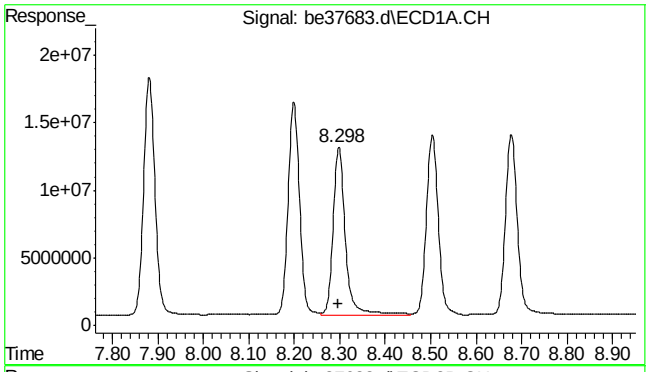
#16 Endrin

R.T.: 8.200 min
Delta R.T.: 0.002 min
Response: 269641577
Conc: 99.04 ppb



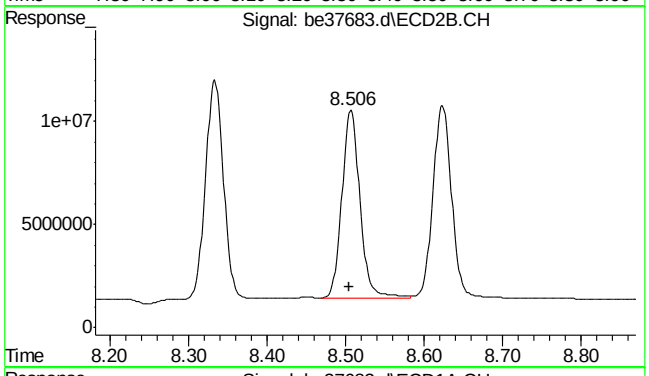
#16 Endrin

R.T.: 8.333 min
Delta R.T.: 0.002 min
Response: 168777792
Conc: 105.99 ppb m



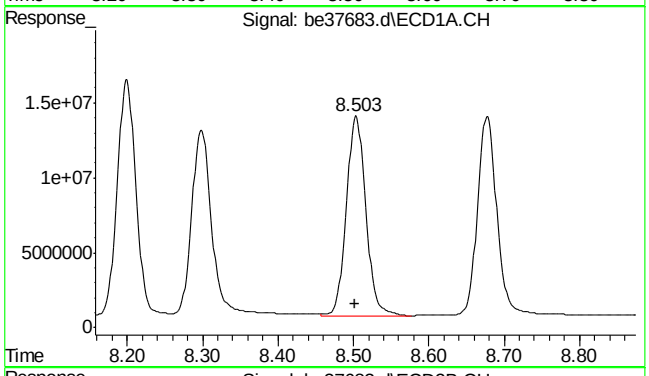
#17 4,4'-DDD

R.T.: 8.299 min
Delta R.T.: 0.003 min
Response: 235366252
Conc: 105.33 ppb



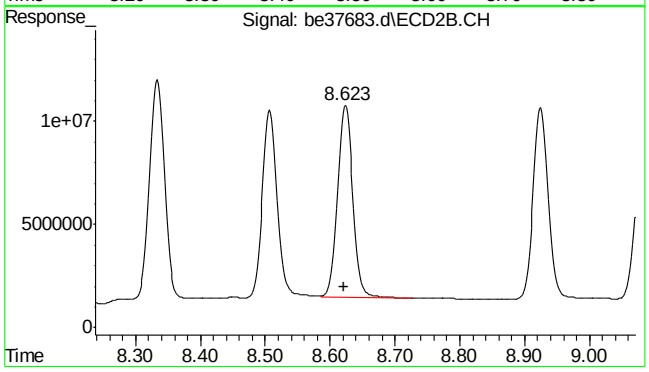
#17 4,4'-DDD

R.T.: 8.506 min
Delta R.T.: 0.002 min
Response: 145181619
Conc: 105.93 ppb m



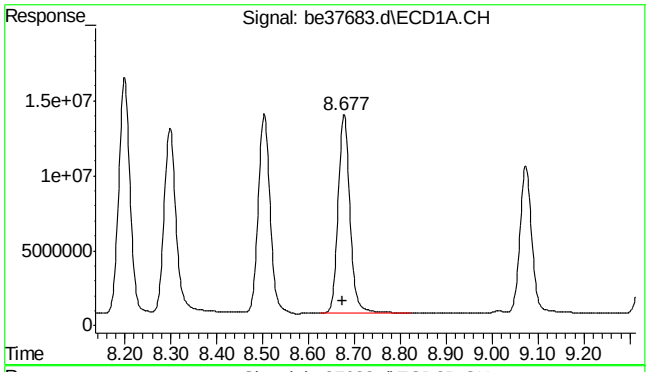
#18 Endosulfan-II

R.T.: 8.504 min
Delta R.T.: 0.002 min
Response: 239118816
Conc: 96.60 ppb



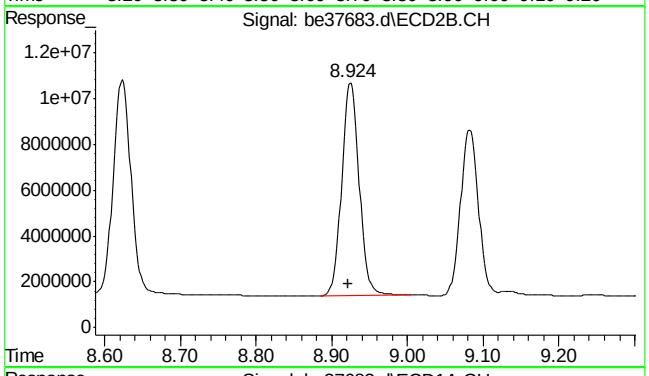
#18 Endosulfan-II

R.T.: 8.623 min
Delta R.T.: 0.002 min
Response: 152869844
Conc: 102.87 ppb m



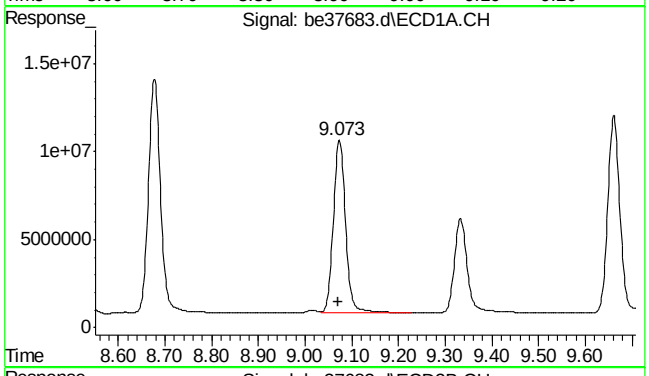
#19 4,4'-DDT

R.T.: 8.677 min
Delta R.T.: 0.002 min
Response: 236535079
Conc: 92.86 ppb m



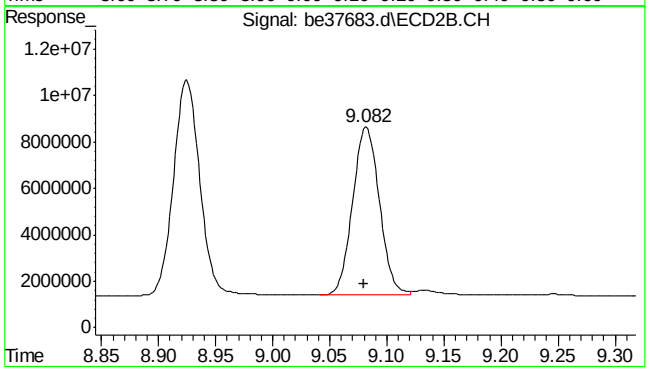
#19 4,4'-DDT

R.T.: 8.924 min
Delta R.T.: 0.002 min
Response: 148206705
Conc: 104.51 ppb m



#20 Endrin Aldehyde

R.T.: 9.073 min
Delta R.T.: 0.002 min
Response: 179384941
Conc: 91.87 ppb



#20 Endrin Aldehyde

R.T.: 9.082 min
Delta R.T.: 0.002 min
Response: 118128171
Conc: 101.81 ppb m

11.6.13
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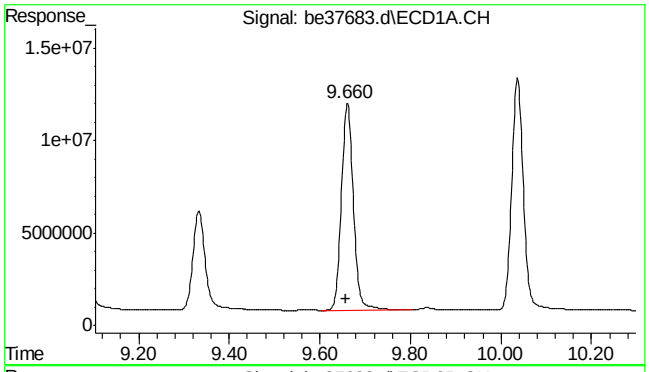
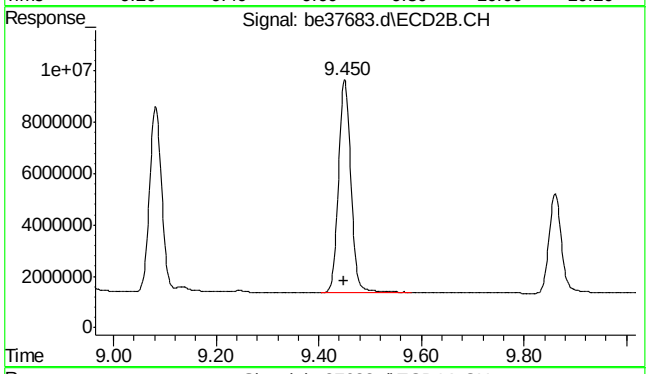


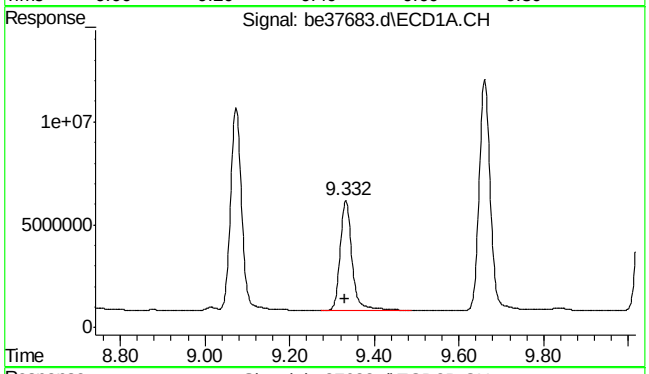
#21 Endosulfan Sulfate

R.T.: 9.661 min
Delta R.T.: 0.002 min
Response: 203040829
Conc: 94.30 ppb



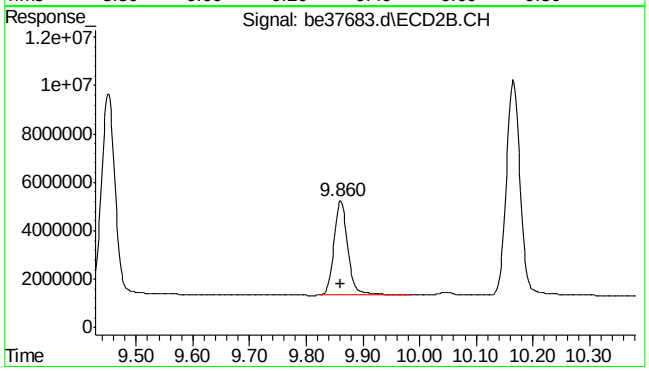
#21 Endosulfan Sulfate

R.T.: 9.450 min
Delta R.T.: 0.001 min
Response: 138871249
Conc: 106.77 ppb m



#22 Methoxychlor

R.T.: 9.333 min
Delta R.T.: 0.002 min
Response: 103520735
Conc: 93.19 ppb



#22 Methoxychlor

R.T.: 9.860 min
Delta R.T.: 0.001 min
Response: 65757943
Conc: 105.04 ppb m

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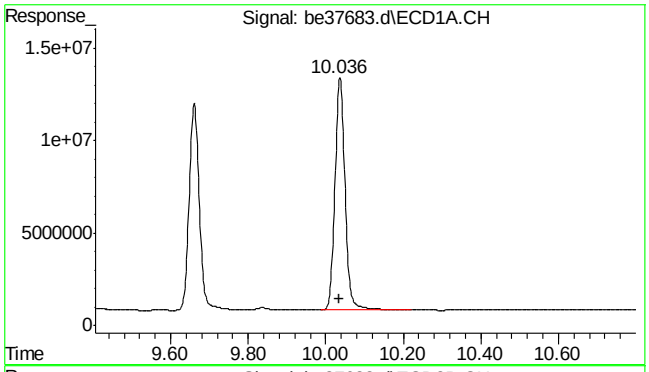
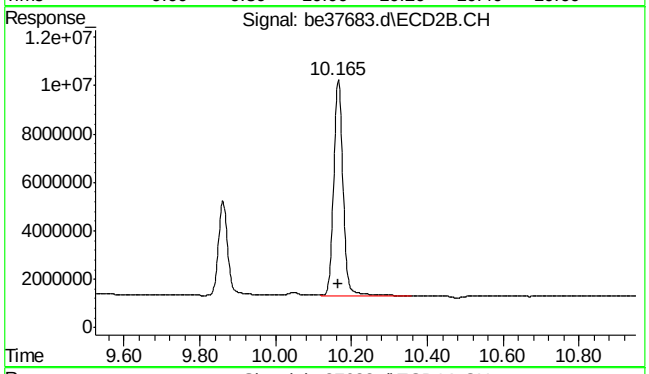


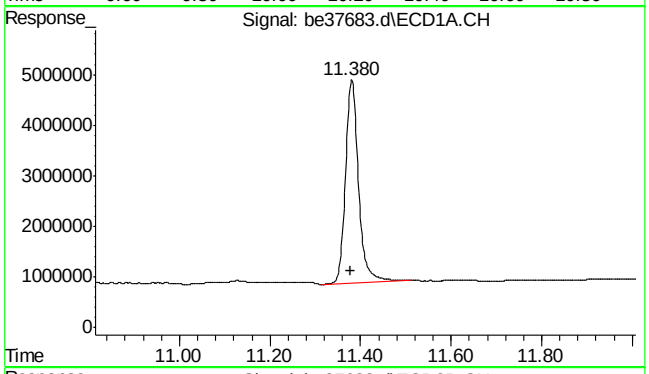
#23 Endrin Ketone

R.T.: 10.037 min
Delta R.T.: 0.001 min
Response: 227685025
Conc: 93.75 ppb



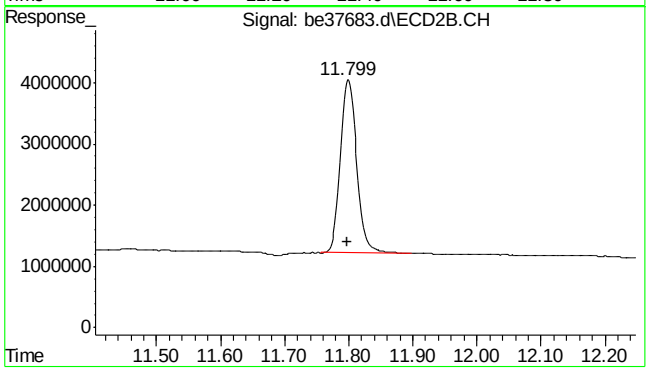
#23 Endrin Ketone

R.T.: 10.166 min
Delta R.T.: 0.001 min
Response: 151818401
Conc: 107.90 ppb



#38 DCB

R.T.: 11.381 min
Delta R.T.: 0.002 min
Response: 80508438
Conc: 41.35 ppb



#38 DCB

R.T.: 11.799 min
Delta R.T.: 0.000 min
Response: 49959801
Conc: 48.81 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27821.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 8:29 am
Operator : nickk
Sample : ic949-1000,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:07:42 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 12 10:57:44 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.408	2.368	20818.1E6	552.4E6	91.780m	76.137m
	Spiked Amount 40.000			Recovery	= 229.45%	190.34%	
13) s	DCB	9.255	9.878	24041.7E6	565.8E6	83.399m	76.719m
	Spiked Amount 40.000			Recovery	= 208.50%	191.80%	
	Target Compounds						
2)	AR1016-A	2.693	2.753	4526.2E6	106.1E6	1381.169	855.311m#
3)	AR1016-B	2.993	3.097	9876.5E6	235.3E6	1176.096	911.582m
4)	AR1016-C	3.419	3.526	21593.2E6	485.4E6	1197.011	1002.632
5)	AR1016-D	3.548	3.660	13858.8E6	198.6E6	1297.783m	1047.447
6)	AR1016-E	3.961	4.152	8464.2E6	225.5E6	1128.700m	963.155m
7)	AR1260-A	5.400	5.714	14952.6E6	324.4E6	1181.076	955.500m
8)	AR1260-B	5.766	6.000	30362.7E6	394.1E6	1109.113m	1056.673m
9)	AR1260-C	6.309	6.640	55420.9E6	1007.9E6	1262.008m	964.808m
10)	AR1260-D	7.113	7.457	44442.8E6	804.6E6	1180.341m	1042.983
11)	AR1260-E	7.536	8.020	38399.0E6	755.4E6	1152.416m	1005.689m
12)	AR1260-F	8.497	8.937	9410.9E6	216.4E6	1159.120	1014.155m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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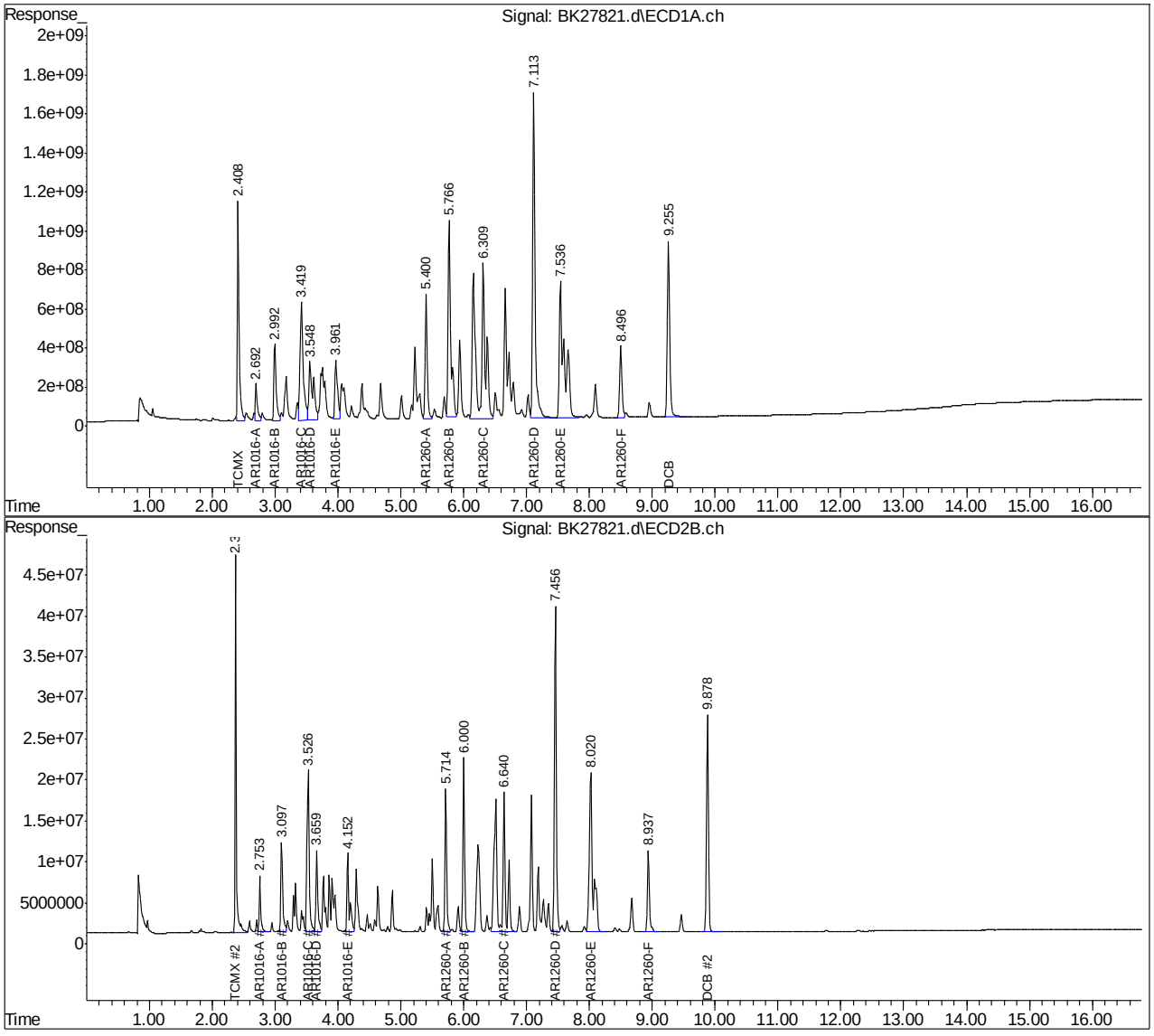
Quantitation Report (QT Reviewed)

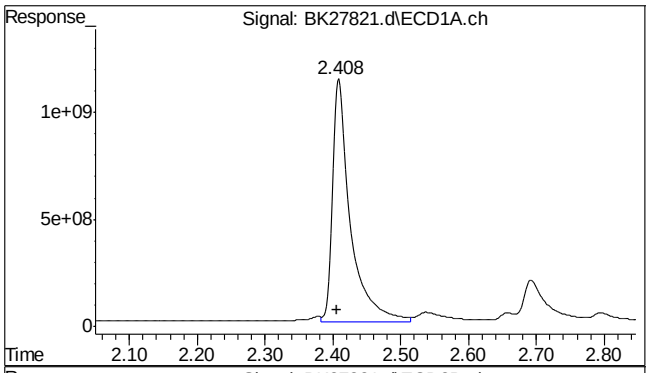
Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27821.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 8:29 am
Operator : nickk
Sample : ic949-1000,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:07:42 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 12 10:57:44 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

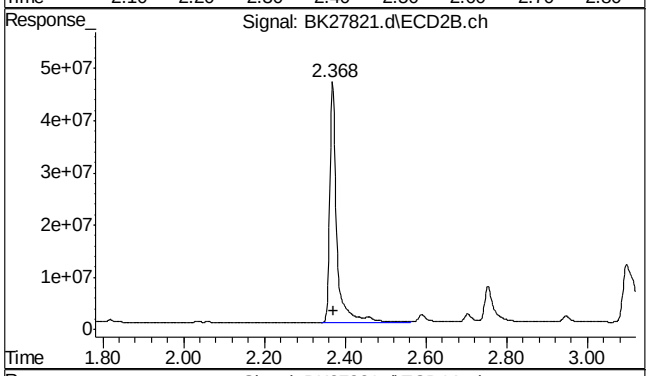


ACCUTEST LABORATORIES MC23272



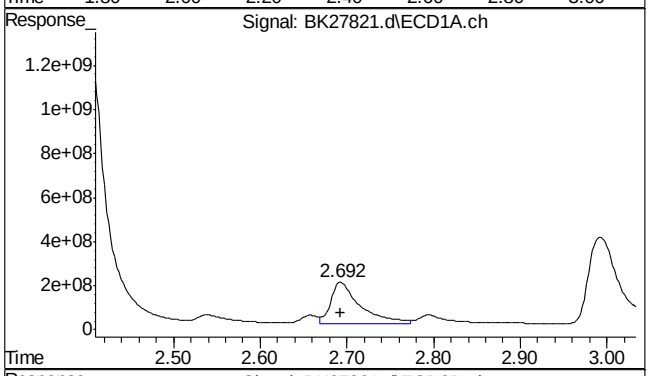
#1 TCMX

R.T.: 2.408 min
Delta R.T.: 0.002 min
Response: 20818133777
Conc: 91.78 ppb m



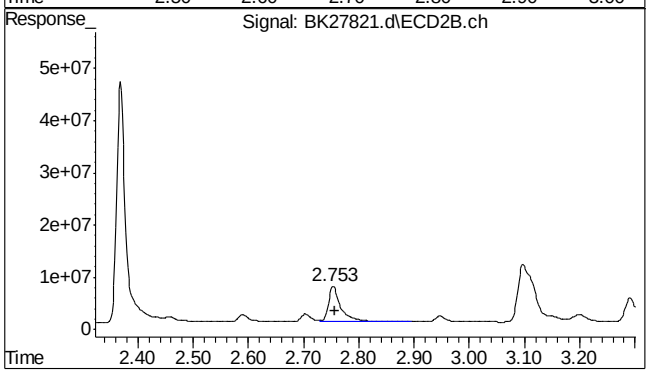
#1 TCMX

R.T.: 2.368 min
Delta R.T.: -0.003 min
Response: 552442597
Conc: 76.14 ppb m



#2 AR1016-A

R.T.: 2.693 min
Delta R.T.: 0.000 min
Response: 4526215993
Conc: 1381.17 ppb



#2 AR1016-A

R.T.: 2.753 min
Delta R.T.: -0.003 min
Response: 106105536
Conc: 855.31 ppb m

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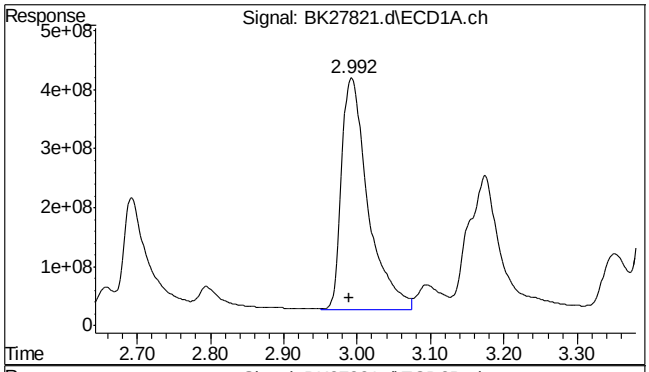
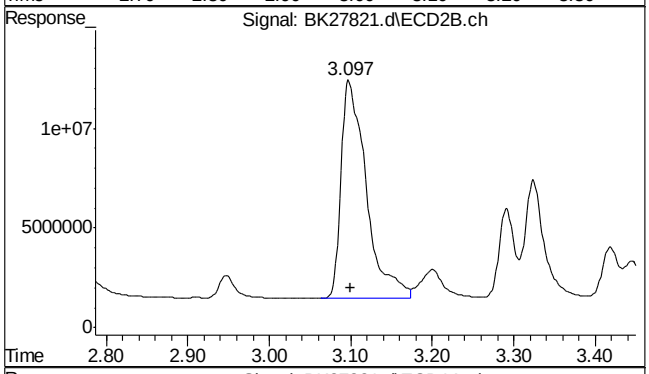


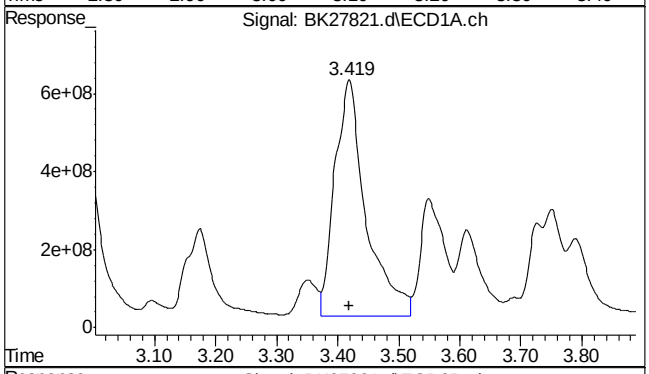
#3 AR1016-B

R.T.: 2.993 min
Delta R.T.: 0.003 min
Response: 9876521258
Conc: 1176.10 ppb



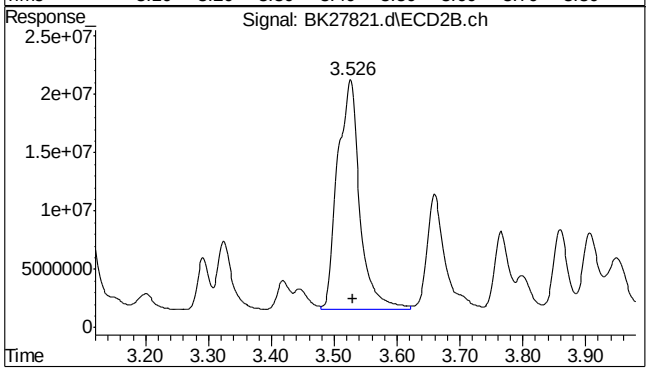
#3 AR1016-B

R.T.: 3.097 min
Delta R.T.: -0.003 min
Response: 235300945
Conc: 911.58 ppb m



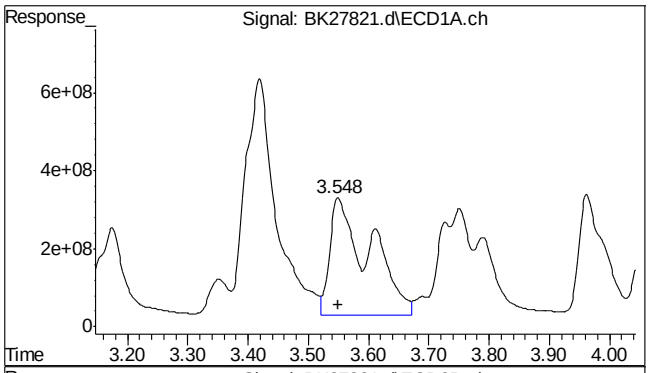
#4 AR1016-C

R.T.: 3.419 min
Delta R.T.: 0.000 min
Response: 21593177132
Conc: 1197.01 ppb



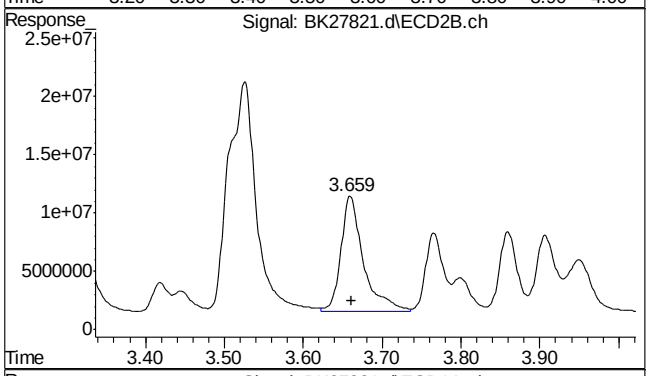
#4 AR1016-C

R.T.: 3.526 min
Delta R.T.: -0.003 min
Response: 485398390
Conc: 1002.63 ppb



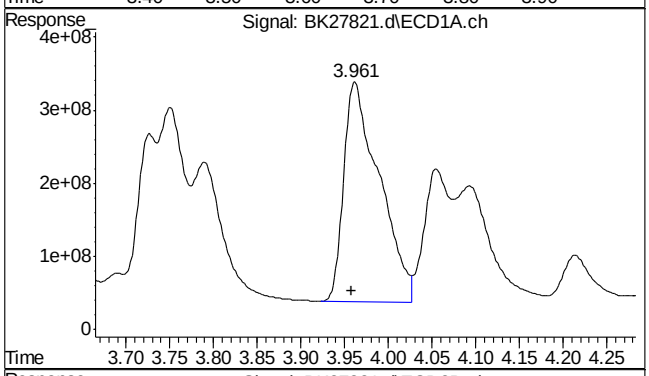
#5 AR1016-D

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 13858820909
Conc: 1297.78 m



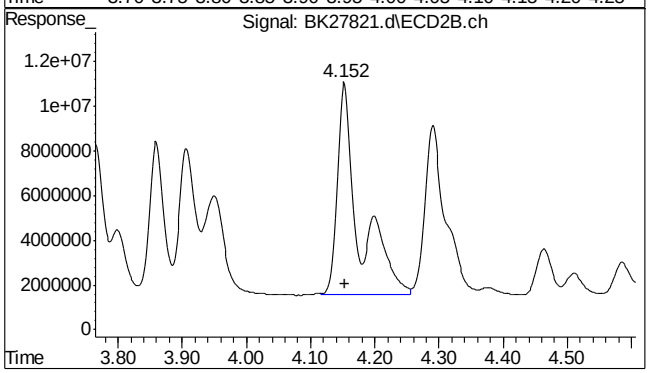
#5 AR1016-D

R.T.: 3.660 min
Delta R.T.: -0.002 min
Response: 198575544
Conc: 1047.45



#6 AR1016-E

R.T.: 3.961 min
Delta R.T.: 0.003 min
Response: 8464183859
Conc: 1128.70 m



#6 AR1016-E

R.T.: 4.152 min
Delta R.T.: -0.002 min
Response: 225542290
Conc: 963.16 m

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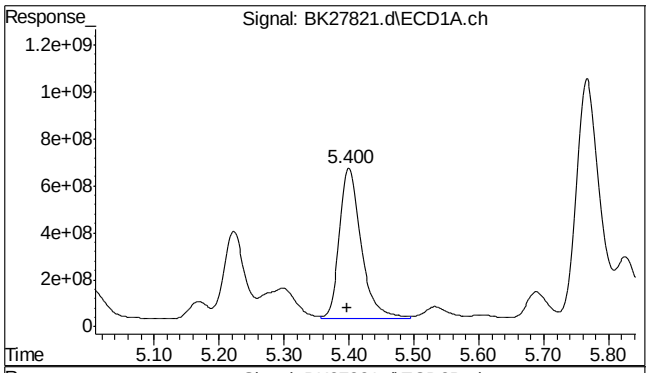
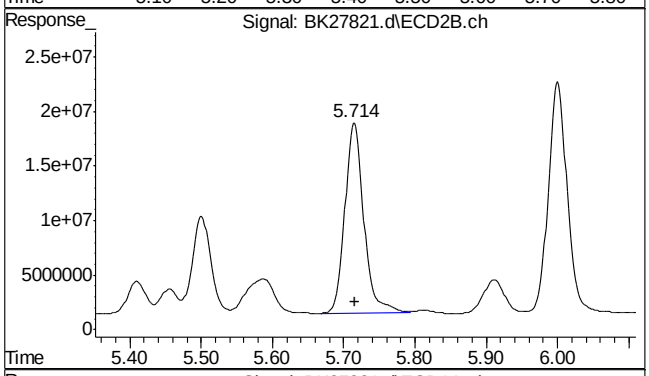


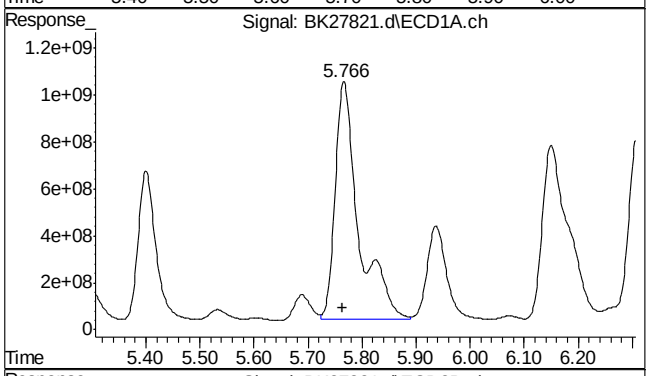
#7 AR1260-A

R.T.: 5.400 min
Delta R.T.: 0.003 min
Response: 14952605635
Conc: 1181.08 ppb



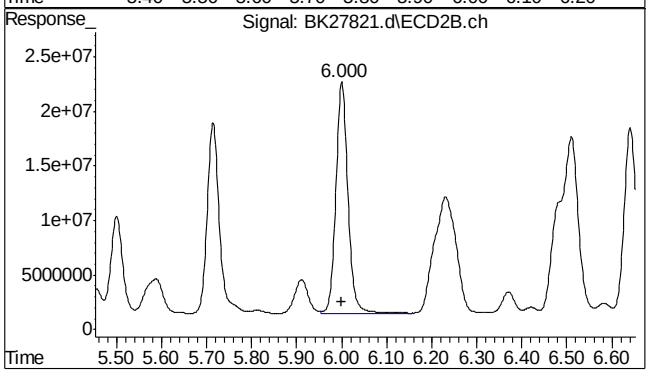
#7 AR1260-A

R.T.: 5.714 min
Delta R.T.: -0.001 min
Response: 324446969
Conc: 955.50 ppb m



#8 AR1260-B

R.T.: 5.766 min
Delta R.T.: 0.002 min
Response: 30362739071
Conc: 1109.11 ppb m



#8 AR1260-B

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 394088916
Conc: 1056.67 ppb m

11.6.14
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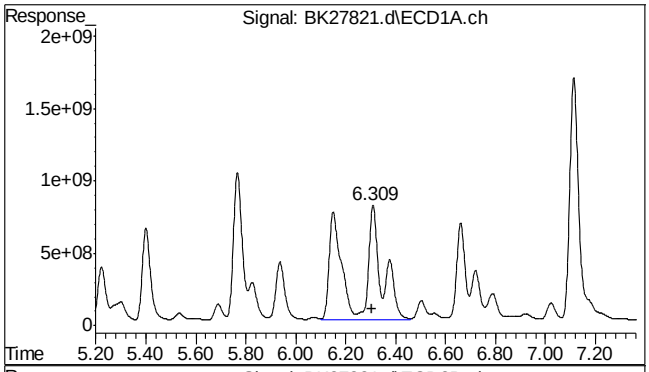
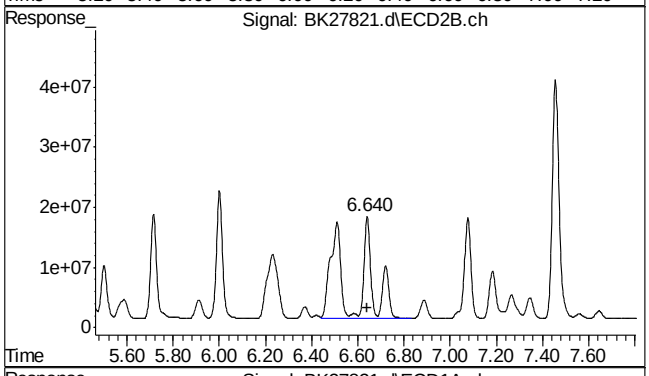


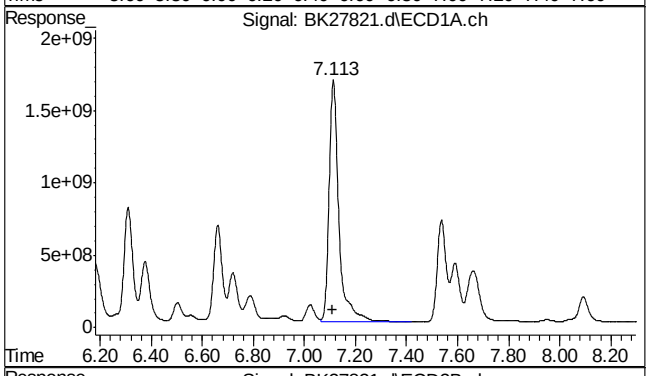
#9 AR1260-C

R.T.: 6.309 min
Delta R.T.: 0.002 min
Response: 55420949355
Conc: 1262.01 ppb m



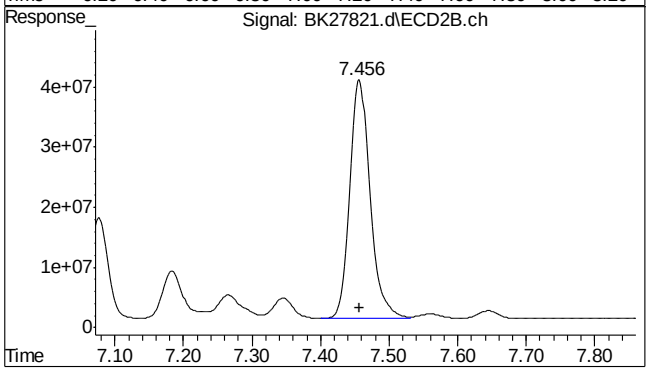
#9 AR1260-C

R.T.: 6.640 min
Delta R.T.: 0.000 min
Response: 1007935666
Conc: 964.81 ppb m



#10 AR1260-D

R.T.: 7.113 min
Delta R.T.: 0.000 min
Response: 44442759868
Conc: 1180.34 ppb m



#10 AR1260-D

R.T.: 7.457 min
Delta R.T.: 0.000 min
Response: 804617064
Conc: 1042.98 ppb

11.6.14
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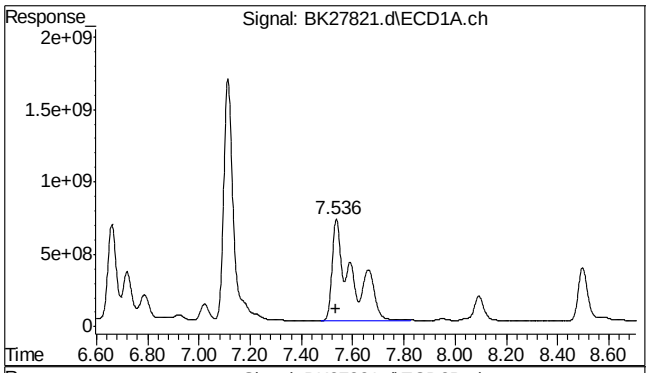
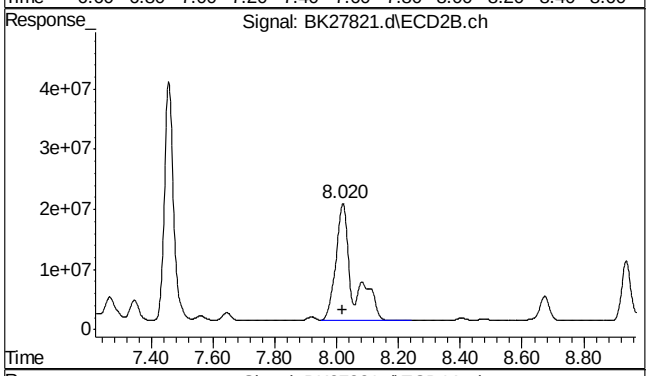


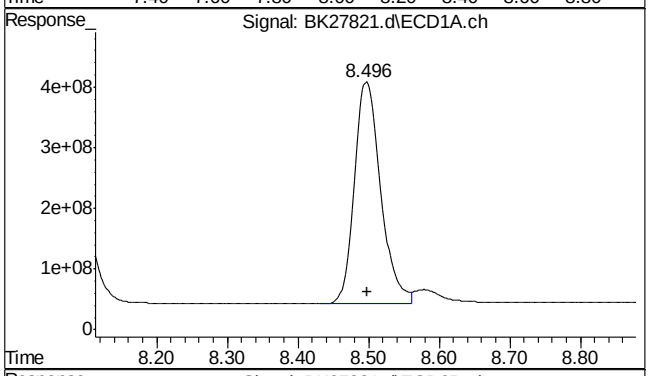
#11 AR1260-E

R.T.: 7.536 min
Delta R.T.: 0.000 min
Response: 38398984531
Conc: 1152.42 ppb m



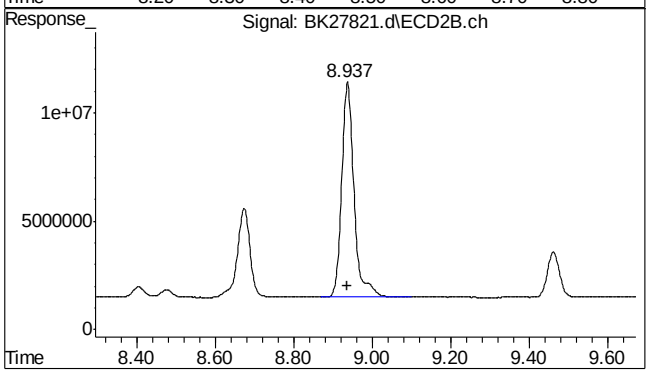
#11 AR1260-E

R.T.: 8.020 min
Delta R.T.: 0.001 min
Response: 755403428
Conc: 1005.69 ppb m



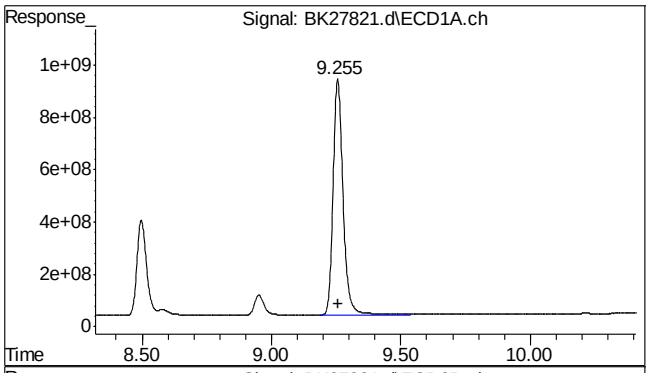
#12 AR1260-F

R.T.: 8.497 min
Delta R.T.: -0.001 min
Response: 9410888163
Conc: 1159.12



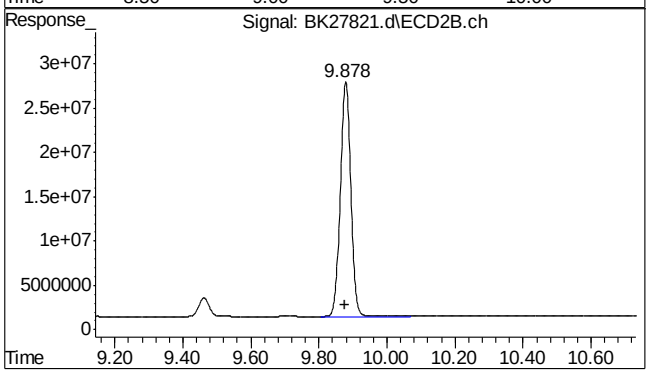
#12 AR1260-F

R.T.: 8.937 min
Delta R.T.: 0.000 min
Response: 216385118
Conc: 1014.15 m



#13 DCB

R.T.: 9.255 min
Delta R.T.: 0.000 min
Response: 24041677924
Conc: 83.40 ppb m



#13 DCB

R.T.: 9.878 min
Delta R.T.: 0.001 min
Response: 565829938
Conc: 76.72 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27822.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 8:48 am
Operator : nickk
Sample : ic949-750,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:06:54 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 09:41:24 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.401	2.370	14537.7E6	411.0E6	61.104m	56.557m
	Spiked Amount 40.000			Recovery	= 152.76%	141.39%	
13) s	DCB	9.249	9.876	18084.2E6	427.0E6	61.442m	57.019m
	Spiked Amount 40.000			Recovery	= 153.60%	142.55%	
	Target Compounds						
2)	AR1016-A	2.686	2.755	3416.3E6	90610867	980.889m	736.968m
3)	AR1016-B	2.986	3.099	7478.0E6	193.4E6	844.230	750.355m
4)	AR1016-C	3.412	3.527	16665.1E6	393.0E6	890.493	808.739m
5)	AR1016-D	3.541	3.661	10476.6E6	154.8E6	934.919m	799.001m
6)	AR1016-E	3.953	4.153	6520.9E6	185.0E6	845.863m	782.740m
7)	AR1260-A	5.392	5.714	11679.3E6	263.4E6	863.410	770.030m
8)	AR1260-B	5.757	6.000	24084.9E6	320.0E6	861.211m	817.141m
9)	AR1260-C	6.300	6.640	43128.1E6	823.2E6	926.471m	787.496m
10)	AR1260-D	7.108	7.455	30236.1E6	640.8E6	773.561	825.566m
11)	AR1260-E	7.528	8.018	30038.3E6	607.8E6	875.826m	806.248m
12)	AR1260-F	8.491	8.936	7436.6E6	173.0E6	893.992	804.902

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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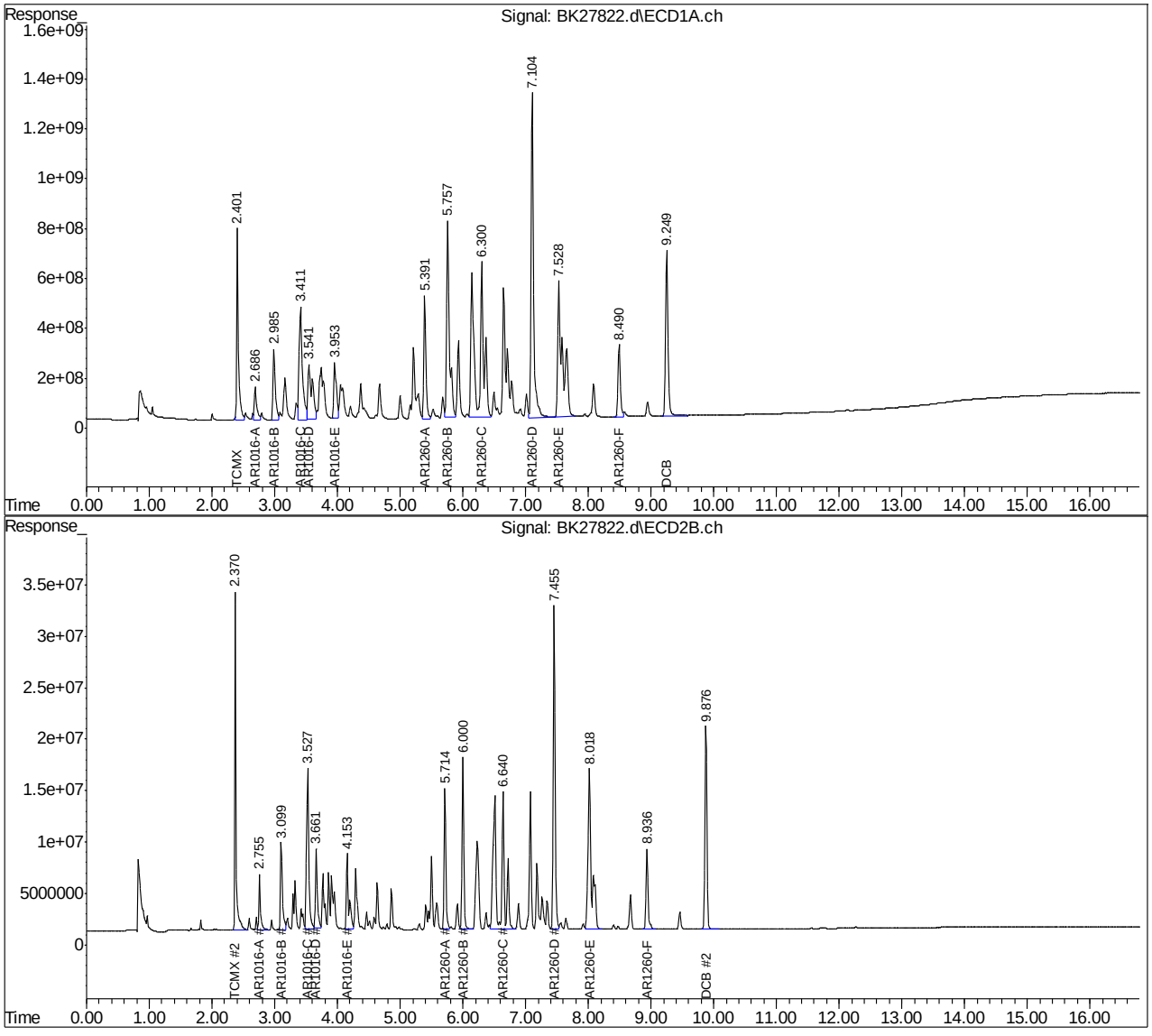
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27822.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 8:48 am
Operator : nickk
Sample : ic949-750,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 52 Sample Multiplier: 1

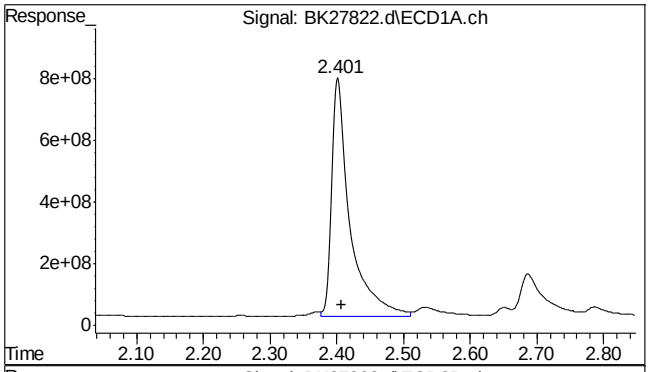
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:06:54 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 09:41:24 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



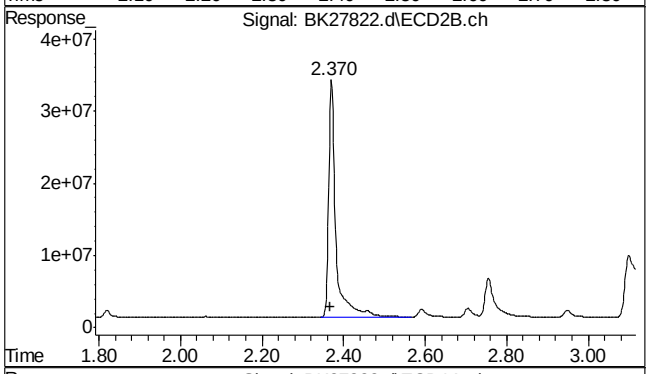
ACCUTEST LABORATORIES MC23272

11.6.15 11



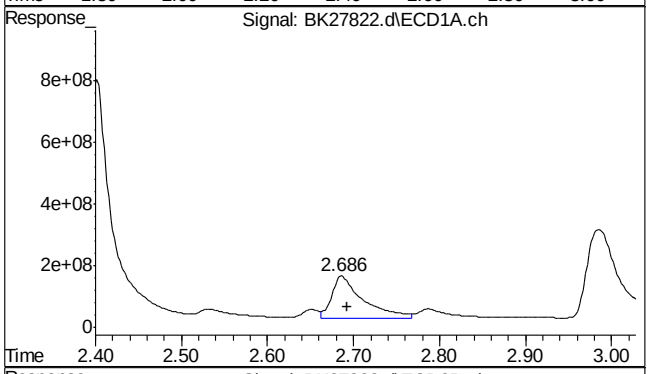
#1 TCMX

R.T.: 2.401 min
Delta R.T.: -0.007 min
Response: 14537739877
Conc: 61.10 ppb m



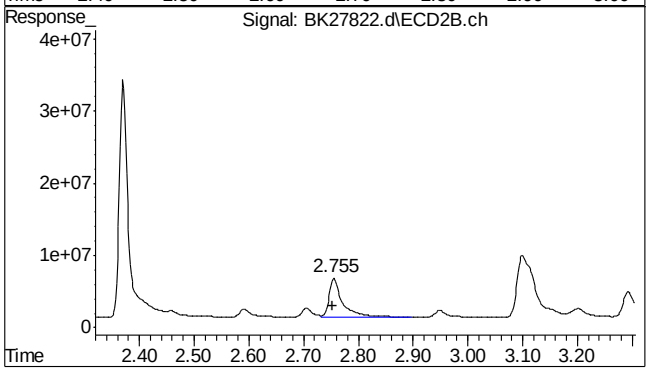
#1 TCMX

R.T.: 2.370 min
Delta R.T.: 0.002 min
Response: 410955968
Conc: 56.56 ppb m



#2 AR1016-A

R.T.: 2.686 min
Delta R.T.: -0.007 min
Response: 3416334032
Conc: 980.89 ppb m



#2 AR1016-A

R.T.: 2.755 min
Delta R.T.: 0.002 min
Response: 90610867
Conc: 736.97 ppb m

11.6.15
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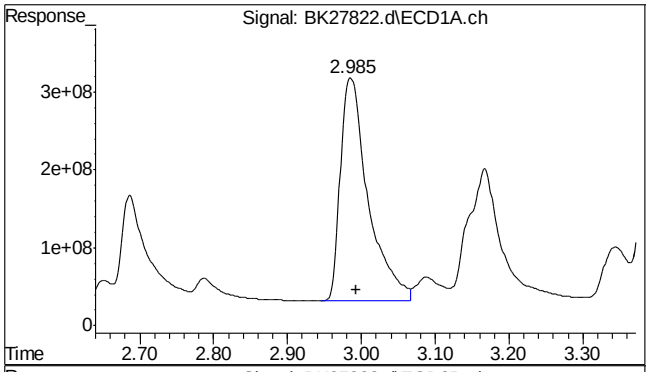
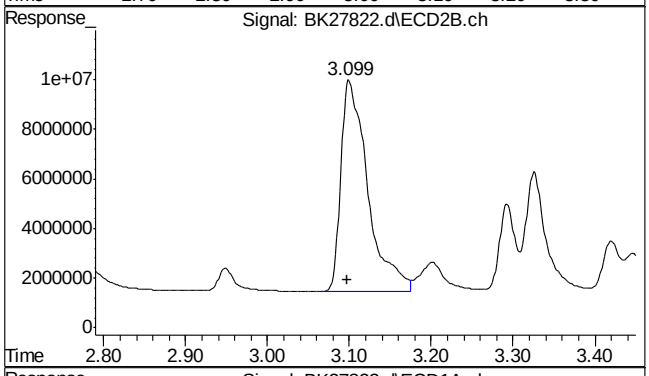


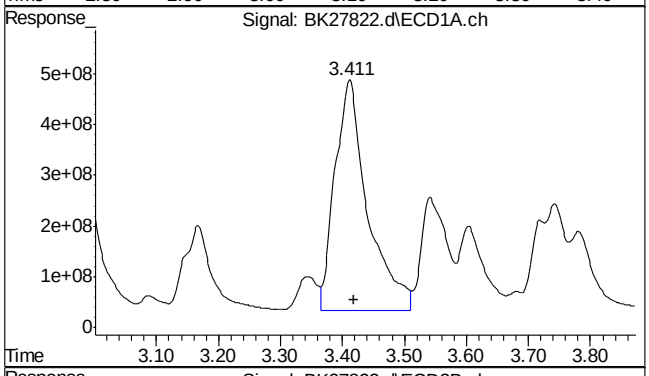
#3 AR1016-B

R.T.: 2.986 min
Delta R.T.: -0.007 min
Response: 7478014741
Conc: 844.23 ppb



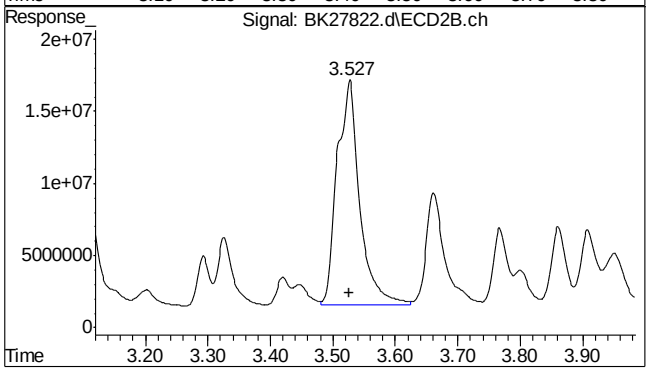
#3 AR1016-B

R.T.: 3.099 min
Delta R.T.: 0.002 min
Response: 193406124
Conc: 750.36 ppb m



#4 AR1016-C

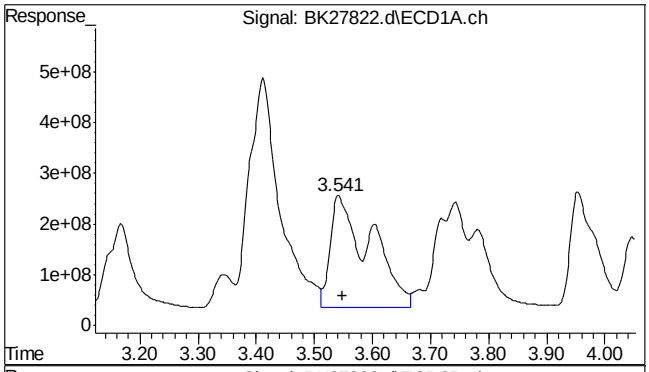
R.T.: 3.412 min
Delta R.T.: -0.007 min
Response: 16665070577
Conc: 890.49 ppb



#4 AR1016-C

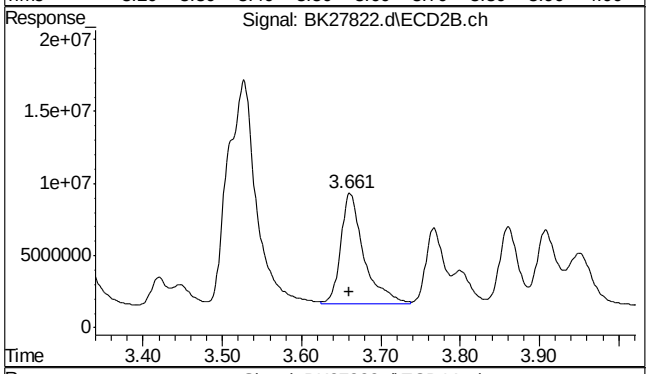
R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 393017797
Conc: 808.74 ppb m

11.6.15
11



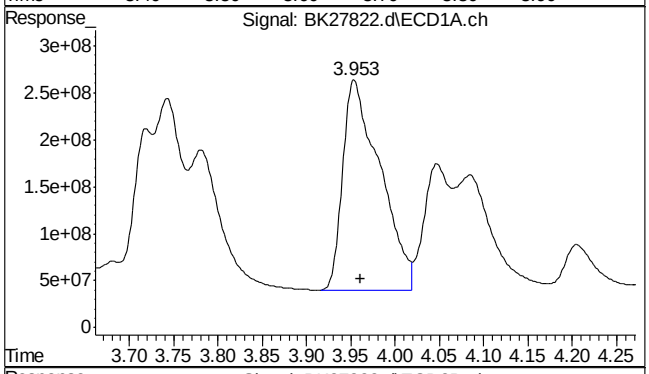
#5 AR1016-D

R.T.: 3.541 min
Delta R.T.: -0.008 min
Response: 10476610735
Conc: 934.92 m



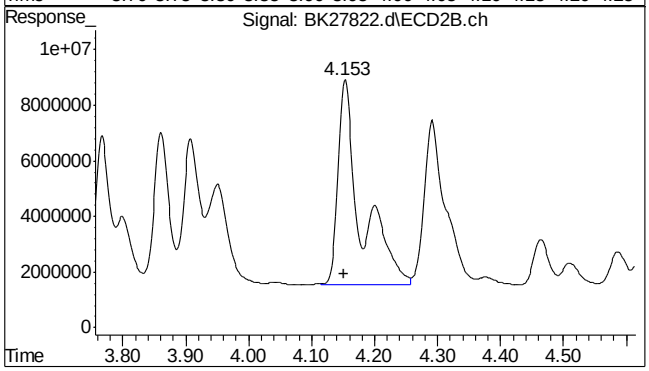
#5 AR1016-D

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 154808310
Conc: 799.00 m



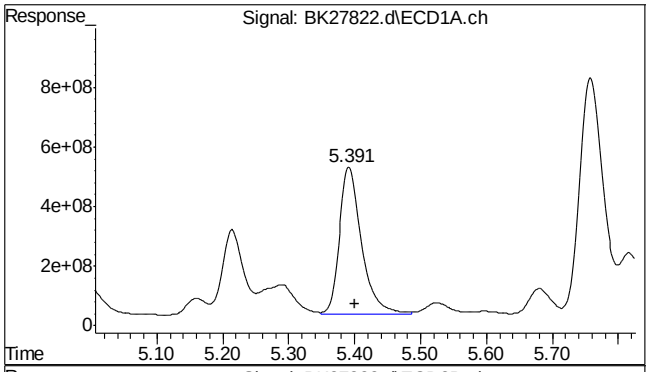
#6 AR1016-E

R.T.: 3.953 min
Delta R.T.: -0.008 min
Response: 6520875370
Conc: 845.86 m



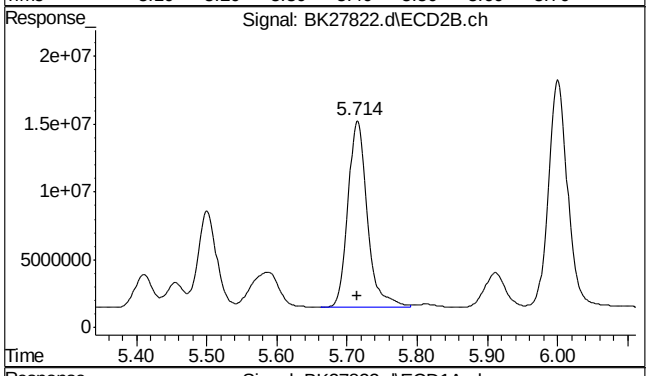
#6 AR1016-E

R.T.: 4.153 min
Delta R.T.: 0.000 min
Response: 185022837
Conc: 782.74 m



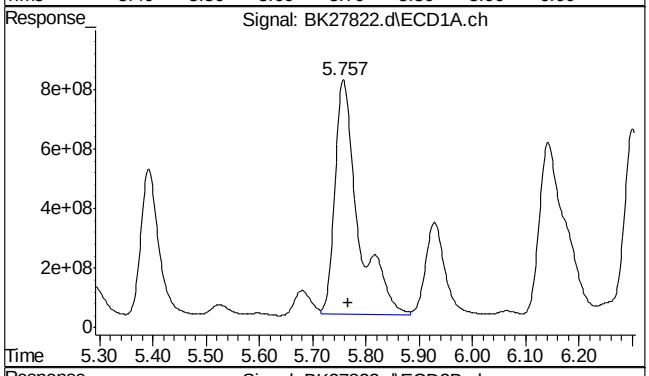
#7 AR1260-A

R.T.: 5.392 min
Delta R.T.: -0.008 min
Response: 11679290887
Conc: 863.41 ppb



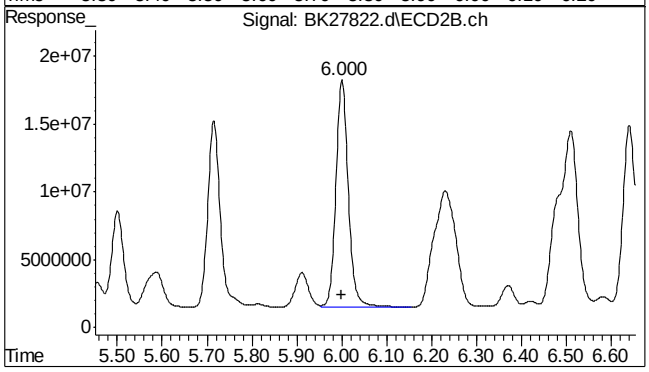
#7 AR1260-A

R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 263386403
Conc: 770.03 ppb m



#8 AR1260-B

R.T.: 5.757 min
Delta R.T.: -0.009 min
Response: 24084906037
Conc: 861.21 ppb m



#8 AR1260-B

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 319996026
Conc: 817.14 ppb m

11.6.15
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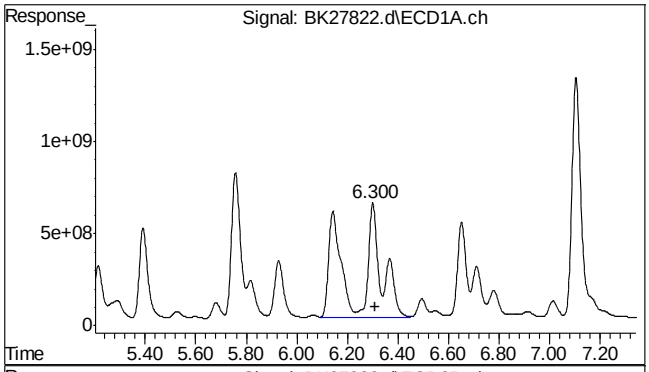
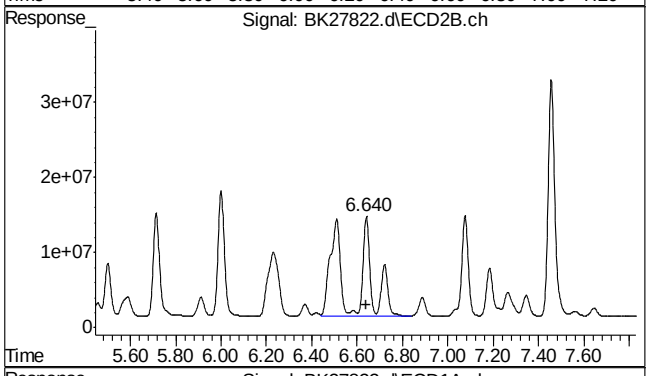


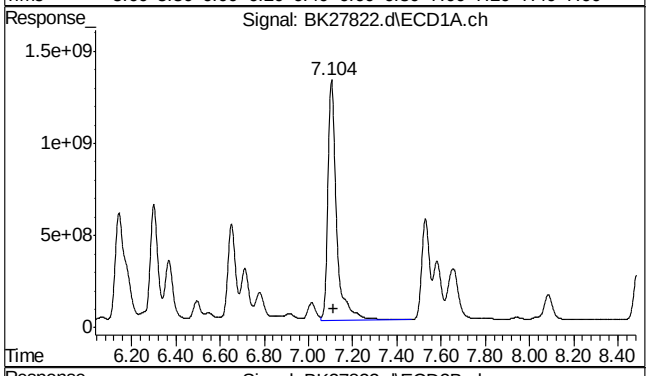
#9 AR1260-C

R.T.: 6.300 min
Delta R.T.: -0.009 min
Response: 43128126481
Conc: 926.47 ppb m



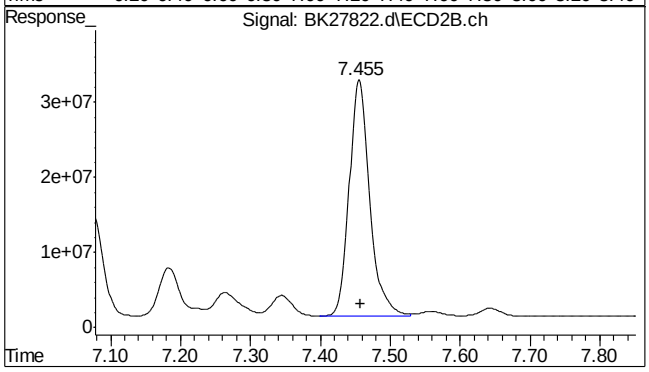
#9 AR1260-C

R.T.: 6.640 min
Delta R.T.: 0.000 min
Response: 823183857
Conc: 787.50 ppb m



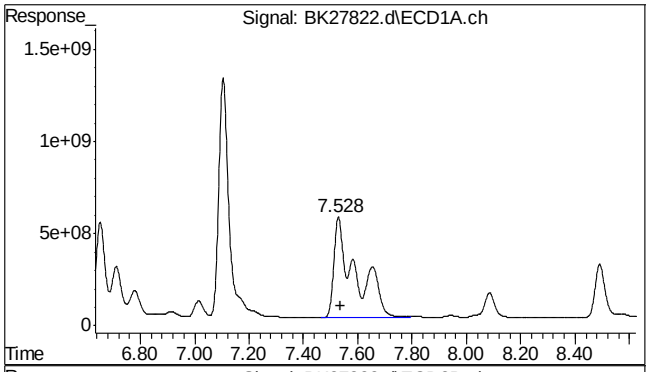
#10 AR1260-D

R.T.: 7.108 min
Delta R.T.: -0.005 min
Response: 30236137736
Conc: 773.56 ppb



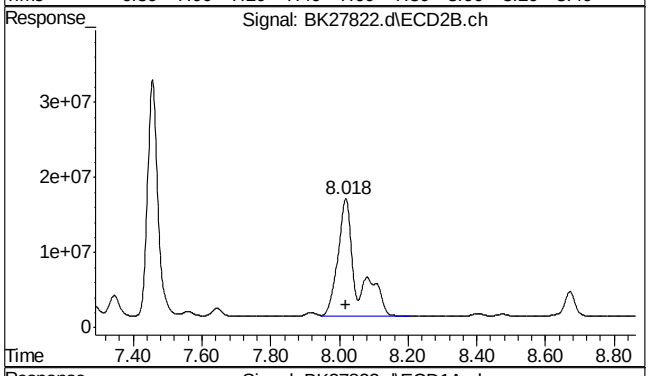
#10 AR1260-D

R.T.: 7.455 min
Delta R.T.: -0.002 min
Response: 640826825
Conc: 825.57 ppb m



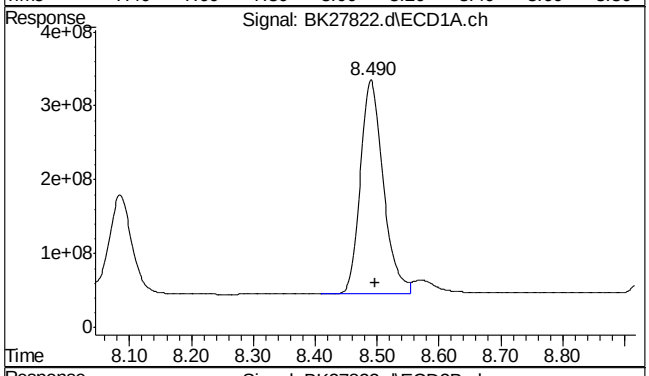
#11 AR1260-E

R.T.: 7.528 min
Delta R.T.: -0.008 min
Response: 30038337468
Conc: 875.83 ppb m



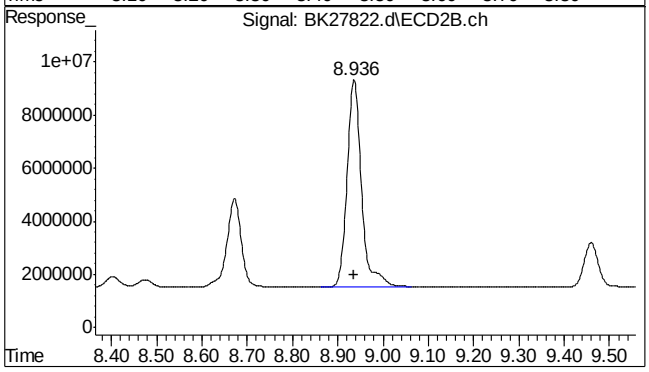
#11 AR1260-E

R.T.: 8.018 min
Delta R.T.: -0.002 min
Response: 607791208
Conc: 806.25 ppb m



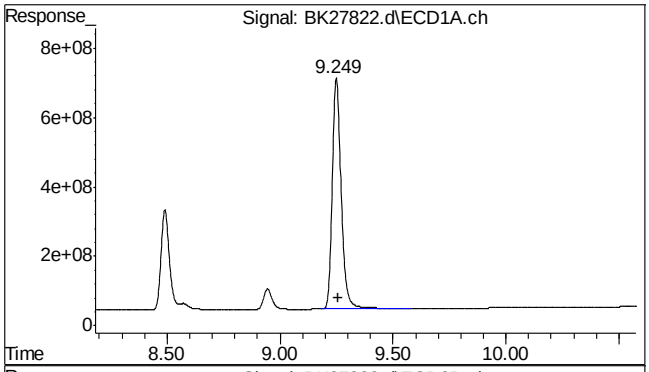
#12 AR1260-F

R.T.: 8.491 min
Delta R.T.: -0.006 min
Response: 7436649111
Conc: 893.99



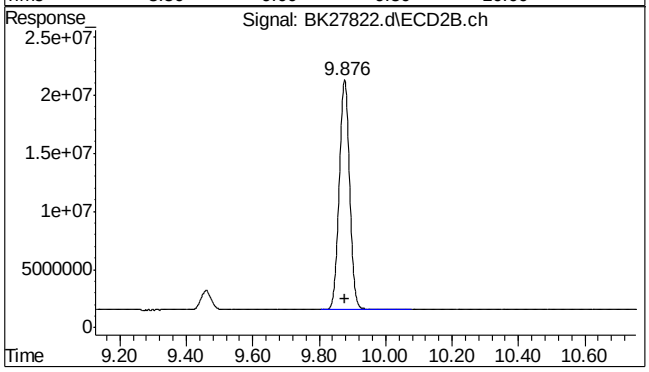
#12 AR1260-F

R.T.: 8.936 min
Delta R.T.: 0.000 min
Response: 173049104
Conc: 804.90



#13 DCB

R.T.: 9.249 min
Delta R.T.: -0.006 min
Response: 18084153872
Conc: 61.44 ppb m



#13 DCB

R.T.: 9.876 min
Delta R.T.: -0.002 min
Response: 426966996
Conc: 57.02 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27823.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 9:07 am
Operator : nickk
Sample : icc949-500,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:01:42 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 09:44:47 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.403	2.371	12944.8E6	377.1E6	53.573m	51.739m
	Spiked Amount 40.000			Recovery	= 133.93%	129.35%	
13) s	DCB	9.250	9.876	16193.2E6	392.4E6	53.580m	51.645m
	Spiked Amount 40.000			Recovery	= 133.95%	129.11%	
	Target Compounds						
2)	AR1016-A	2.687	2.756	2317.0E6	65439894	639.749m	529.707m
3)	AR1016-B	2.987	3.100	5206.6E6	138.8E6	578.606	535.826m
4)	AR1016-C	3.413	3.528	11663.9E6	271.0E6	610.283	552.986m
5)	AR1016-D	3.542	3.661	7204.9E6	109.3E6	629.610m	559.864m
6)	AR1016-E	3.954	4.154	4557.6E6	131.0E6	578.120m	549.542m
7)	AR1260-A	5.393	5.715	8201.0E6	185.3E6	591.433	537.695m
8)	AR1260-B	5.758	6.000	16620.0E6	225.1E6	580.256m	565.393m
9)	AR1260-C	6.301	6.641	29444.5E6	569.8E6	611.204m	539.155m
10)	AR1260-D	7.106	7.456	24579.0E6	446.2E6	627.125	569.677m
11)	AR1260-E	7.530	8.019	21220.9E6	425.5E6	603.261m	558.989m
12)	AR1260-F	8.491	8.937	5231.4E6	121.9E6	612.175m	561.496

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

11.6.16
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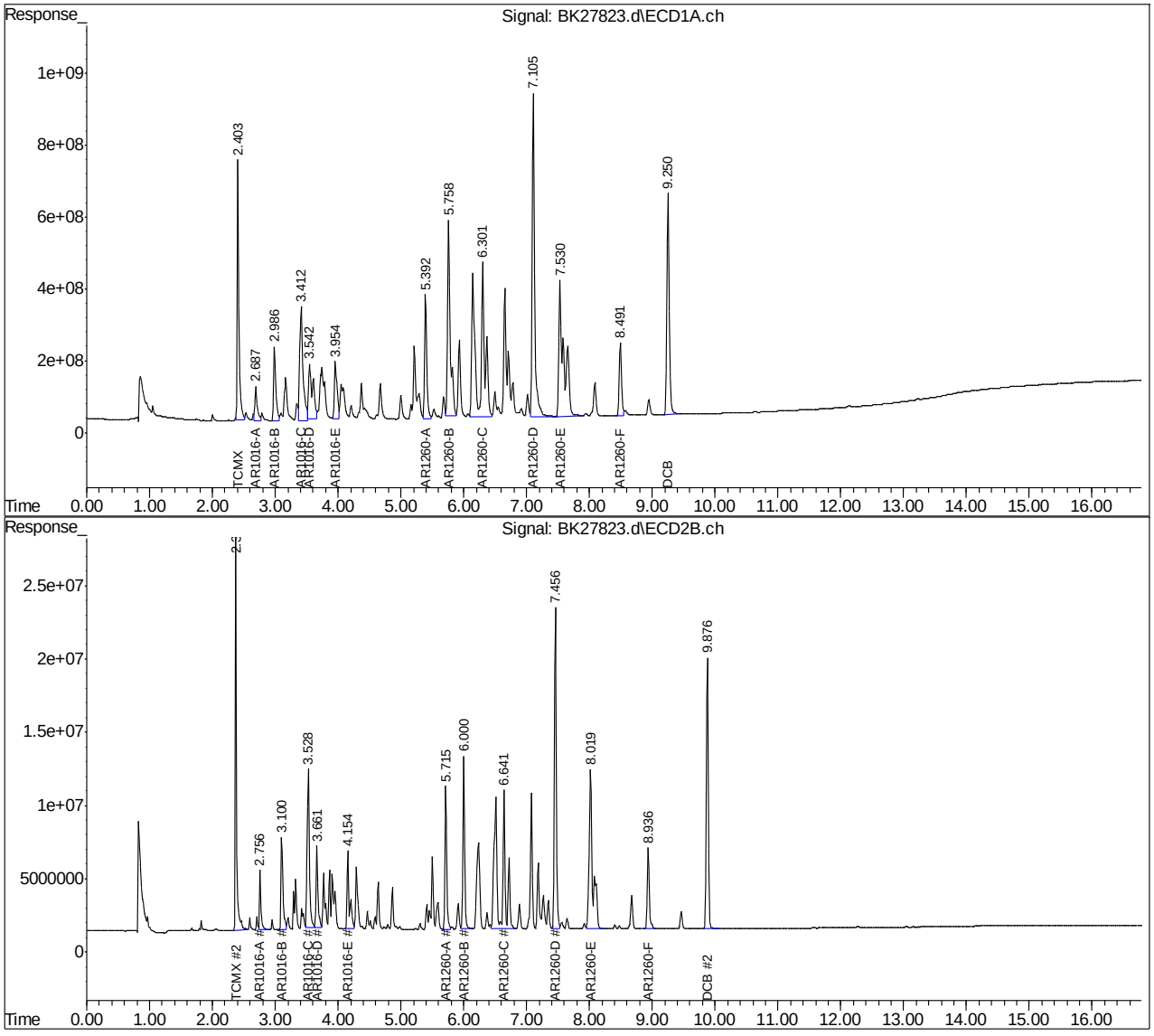
Quantitation Report (QT Reviewed)

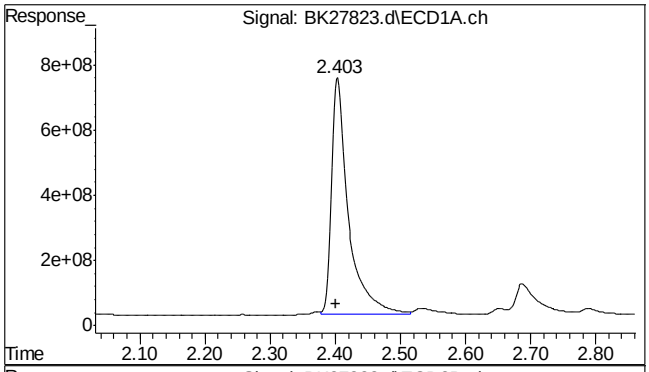
Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27823.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 9:07 am
Operator : nickk
Sample : icc949-500,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:01:42 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 09:44:47 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

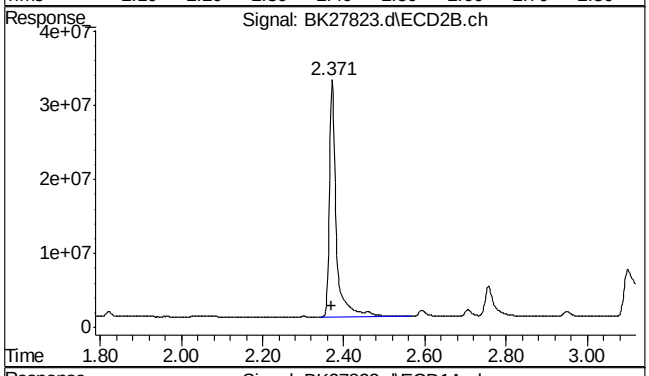


ACCUTEST LABORATORIES MC23272



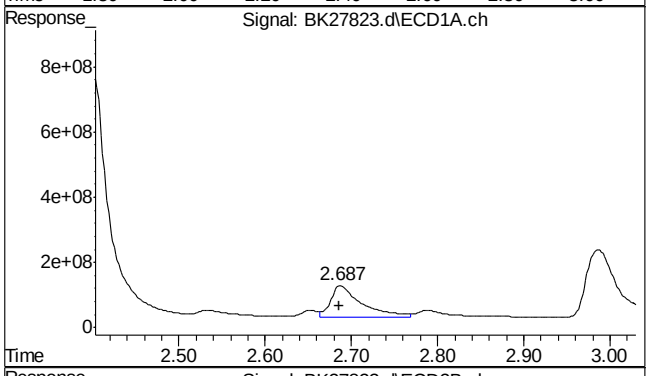
#1 TCMX

R.T.: 2.403 min
Delta R.T.: 0.002 min
Response: 12944820030
Conc: 53.57 ppb m



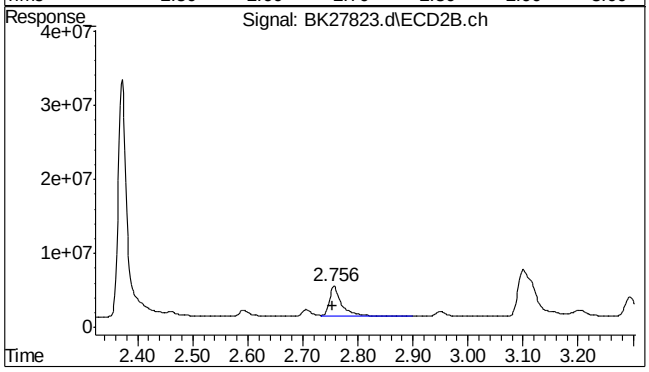
#1 TCMX

R.T.: 2.371 min
Delta R.T.: 0.001 min
Response: 377108135
Conc: 51.74 ppb m



#2 AR1016-A

R.T.: 2.687 min
Delta R.T.: 0.000 min
Response: 2317024849
Conc: 639.75 ppb m



#2 AR1016-A

R.T.: 2.756 min
Delta R.T.: 0.001 min
Response: 65439894
Conc: 529.71 ppb m

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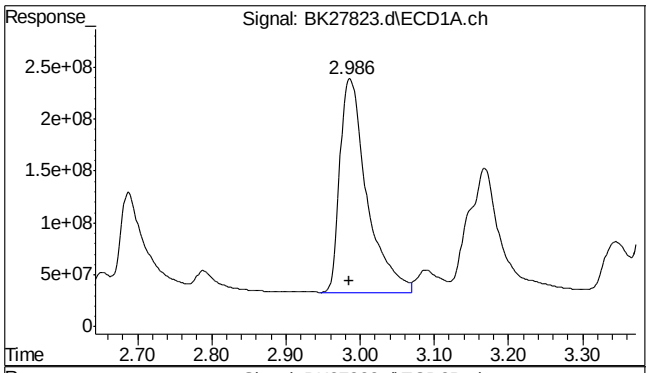
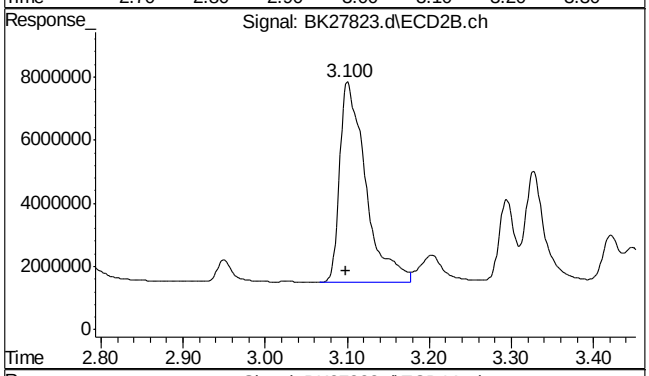


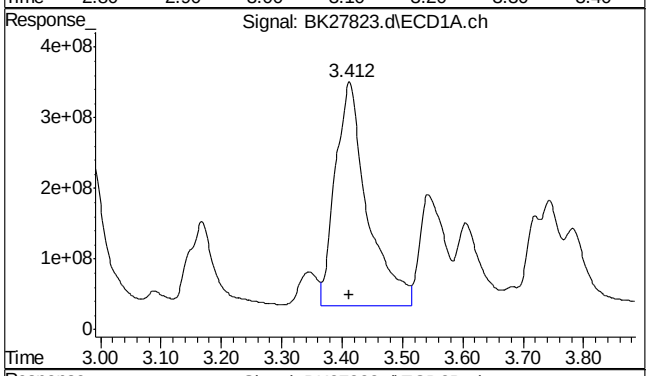
#3 AR1016-B

R.T.: 2.987 min
Delta R.T.: 0.000 min
Response: 5206644761
Conc: 578.61 ppb



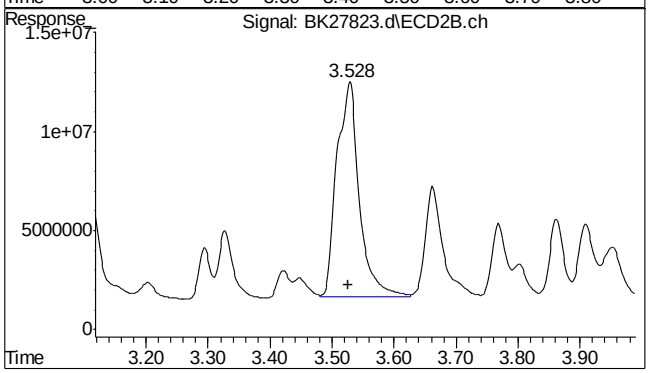
#3 AR1016-B

R.T.: 3.100 min
Delta R.T.: 0.000 min
Response: 138797679
Conc: 535.83 ppb m



#4 AR1016-C

R.T.: 3.413 min
Delta R.T.: 0.000 min
Response: 11663935030
Conc: 610.28 ppb



#4 AR1016-C

R.T.: 3.528 min
Delta R.T.: 0.001 min
Response: 271041803
Conc: 552.99 ppb m

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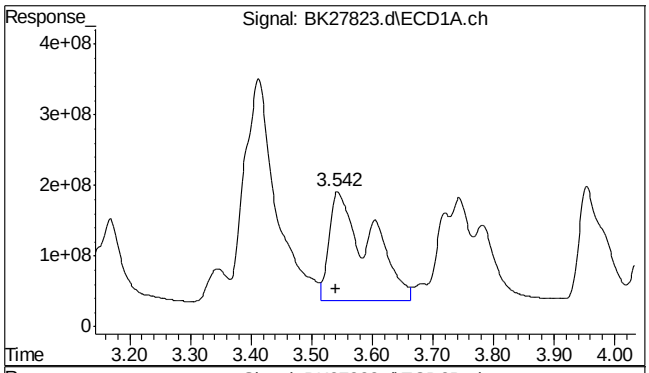
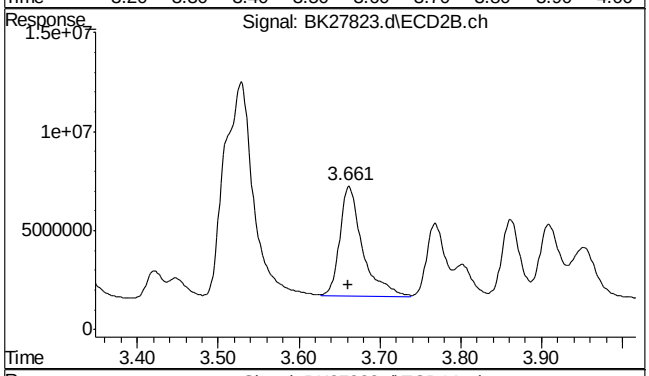


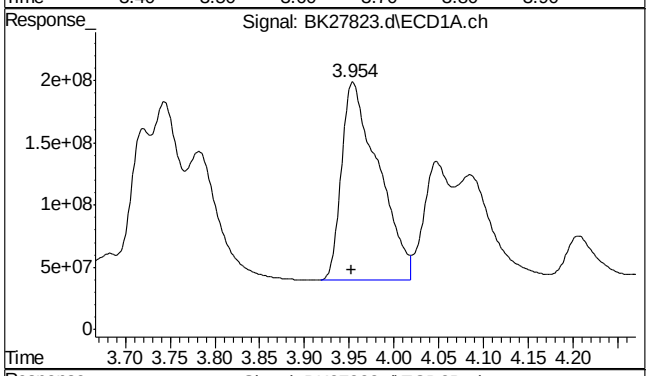
#5 AR1016-D

R.T.: 3.542 min
Delta R.T.: 0.001 min
Response: 7204935842
Conc: 629.61 m



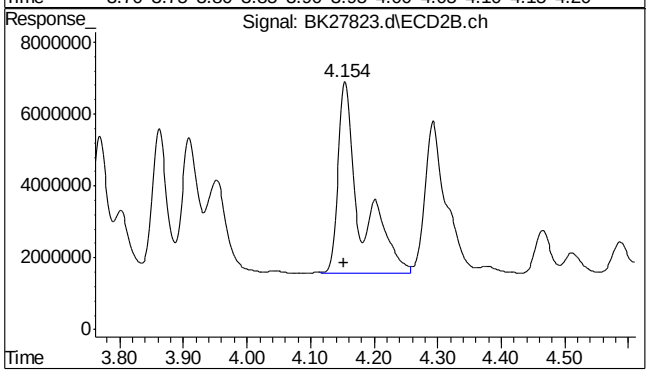
#5 AR1016-D

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 109308789
Conc: 559.86 m



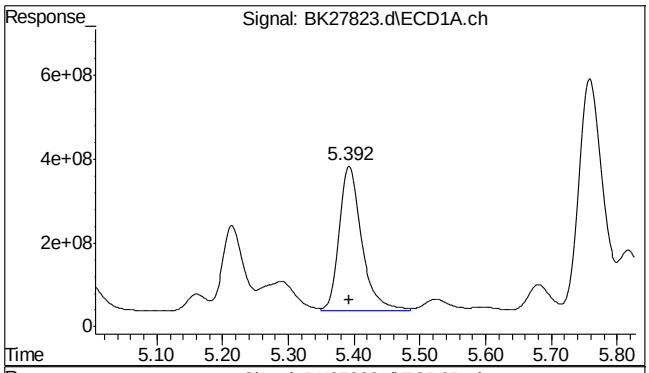
#6 AR1016-E

R.T.: 3.954 min
Delta R.T.: 0.000 min
Response: 4557565038
Conc: 578.12 m



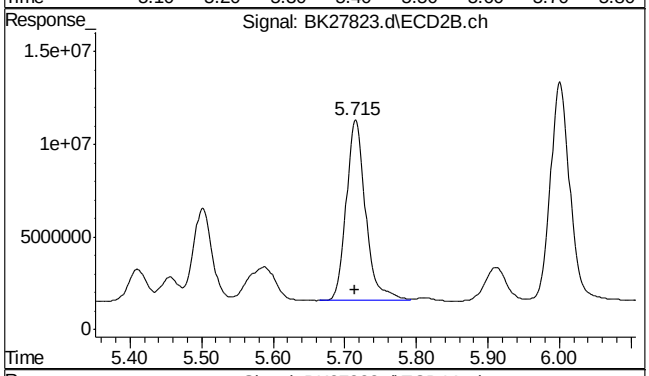
#6 AR1016-E

R.T.: 4.154 min
Delta R.T.: 0.001 min
Response: 130970894
Conc: 549.54 m



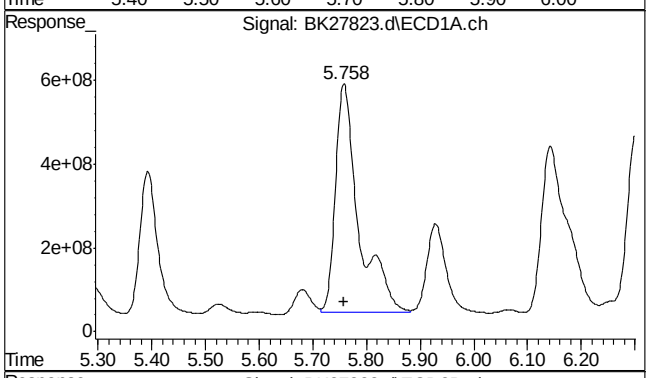
#7 AR1260-A

R.T.: 5.393 min
Delta R.T.: 0.000 min
Response: 8201025616
Conc: 591.43 ppb



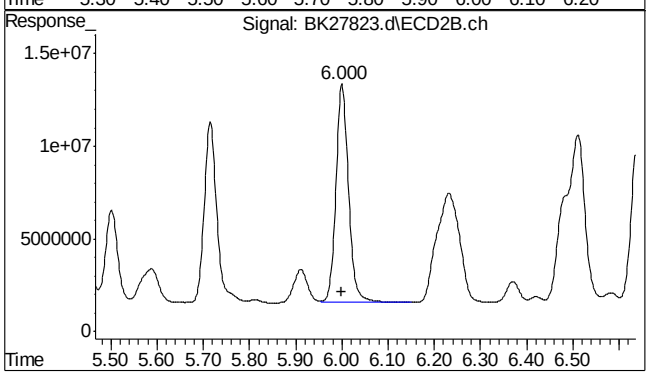
#7 AR1260-A

R.T.: 5.715 min
Delta R.T.: 0.000 min
Response: 185349236
Conc: 537.70 ppb m



#8 AR1260-B

R.T.: 5.758 min
Delta R.T.: 0.000 min
Response: 16619986447
Conc: 580.26 ppb m



#8 AR1260-B

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 225103324
Conc: 565.39 ppb m

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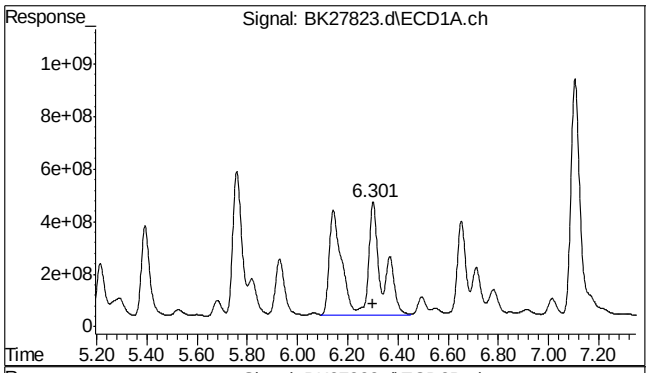
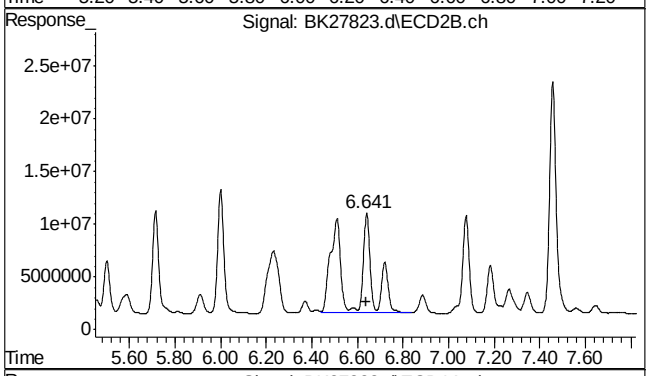


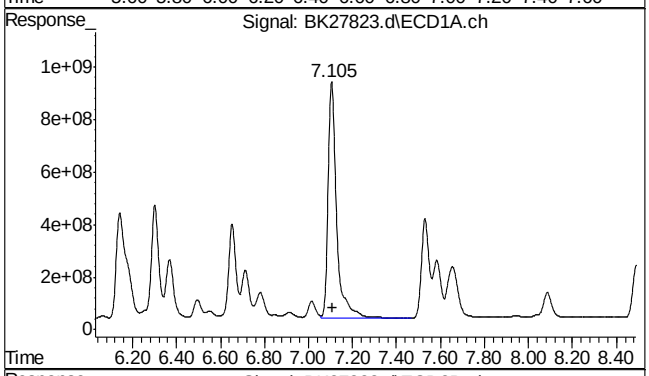
#9 AR1260-C

R.T.: 6.301 min
Delta R.T.: 0.001 min
Response: 29444488735
Conc: 611.20 ppb m



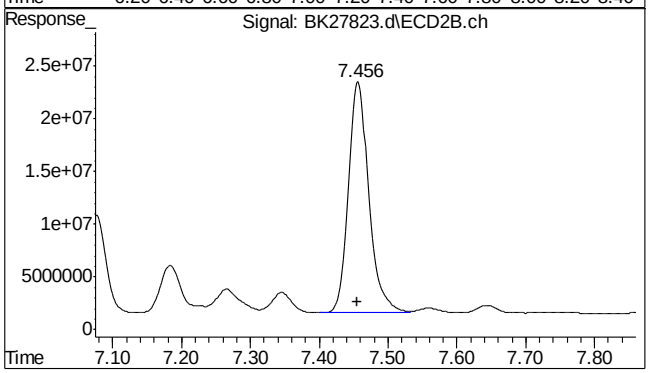
#9 AR1260-C

R.T.: 6.641 min
Delta R.T.: 0.000 min
Response: 569763746
Conc: 539.15 ppb m



#10 AR1260-D

R.T.: 7.106 min
Delta R.T.: -0.002 min
Response: 24578986554
Conc: 627.13 ppb



#10 AR1260-D

R.T.: 7.456 min
Delta R.T.: 0.001 min
Response: 446199956
Conc: 569.68 ppb m

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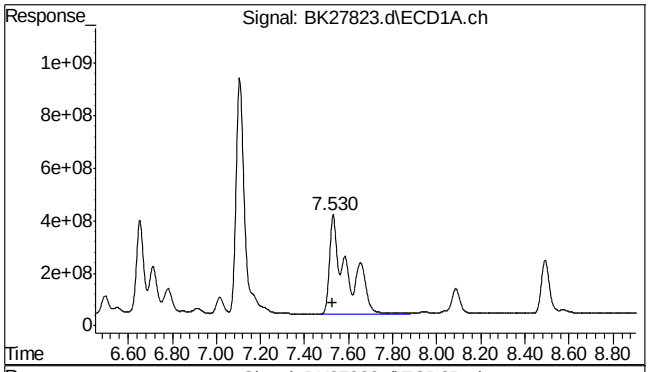
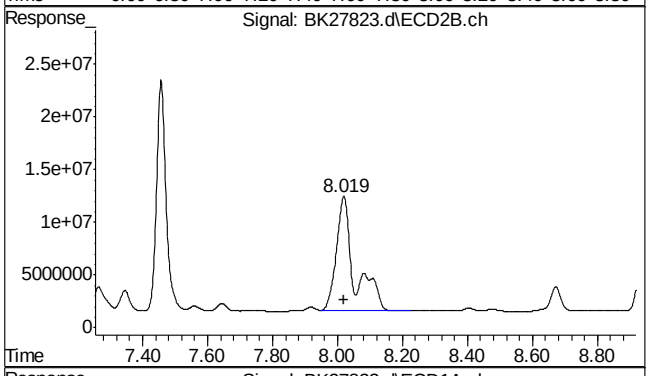


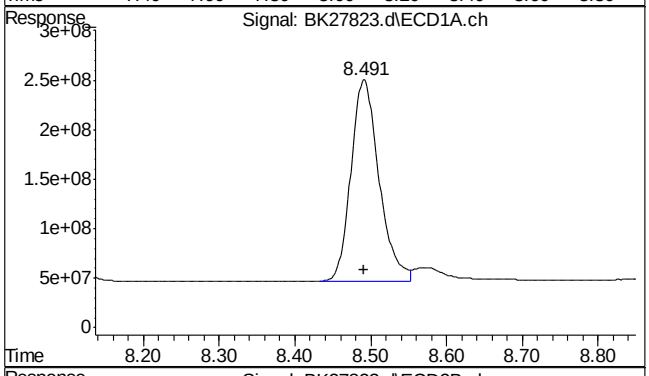
#11 AR1260-E

R.T.: 7.530 min
Delta R.T.: 0.001 min
Response: 21220875280
Conc: 603.26 ppb m



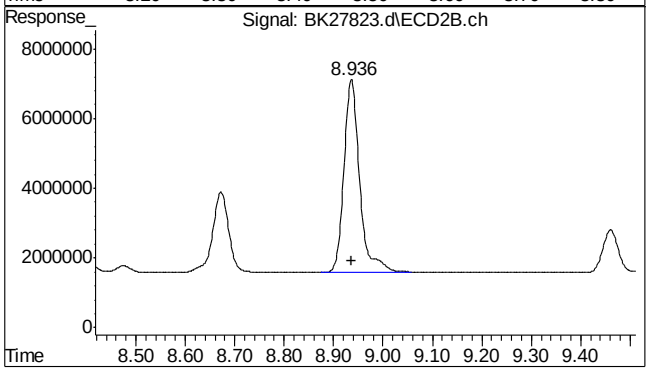
#11 AR1260-E

R.T.: 8.019 min
Delta R.T.: 0.000 min
Response: 425520648
Conc: 558.99 ppb m



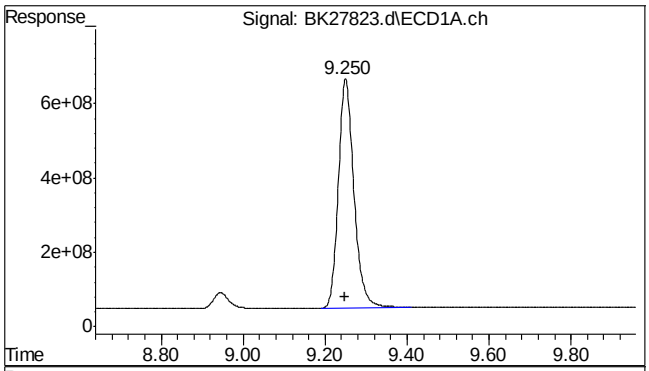
#12 AR1260-F

R.T.: 8.491 min
Delta R.T.: 0.000 min
Response: 5231416212
Conc: 612.18 m



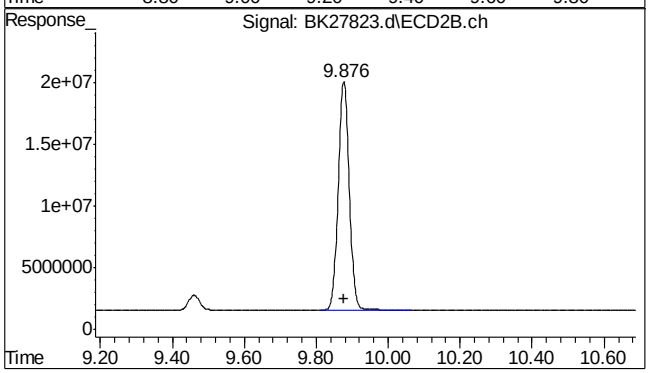
#12 AR1260-F

R.T.: 8.937 min
Delta R.T.: 0.000 min
Response: 121853200
Conc: 561.50



#13 DCB

R.T.: 9.250 min
Delta R.T.: 0.000 min
Response: 16193241050
Conc: 53.58 ppb m



#13 DCB

R.T.: 9.876 min
Delta R.T.: 0.000 min
Response: 392368324
Conc: 51.65 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27824.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 9:26 am
Operator : nickk
Sample : ic949-250,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:06:25 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 09:51:31 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.403	2.371	10115.1E6	292.3E6	40.479m	39.307m
	Spiked Amount 40.000			Recovery	= 101.20%	98.27%	
13) s	DCB	9.250	9.876	12951.0E6	308.1E6	40.024m	38.940m
	Spiked Amount 40.000			Recovery	= 100.06%	97.35%	
	Target Compounds						
2)	AR1016-A	2.688	2.756	1032.2E6	31568899	266.553m	248.010m
3)	AR1016-B	2.986	3.099	2355.5E6	67384063	250.718	253.306m
4)	AR1016-C	3.413	3.528	5358.5E6	129.3E6	263.837	253.693m
5)	AR1016-D	3.542	3.661	3243.4E6	51910729	261.063m	252.631m
6)	AR1016-E	3.953	4.153	2147.3E6	62347215	256.972m	251.612m
7)	AR1260-A	5.391	5.714	3662.7E6	88810183	249.233m	249.421m
8)	AR1260-B	5.757	6.000	7629.5E6	105.9E6	249.032m	255.957m
9)	AR1260-C	6.300	6.640	13464.8E6	269.0E6	261.005m	249.629m
10)	AR1260-D	7.105	7.456	10834.9E6	202.0E6	256.490m	246.103m
11)	AR1260-E	7.529	8.018	9483.2E6	196.8E6	249.929m	247.371m
12)	AR1260-F	8.491	8.937	2389.1E6	56632541	256.647	248.780m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

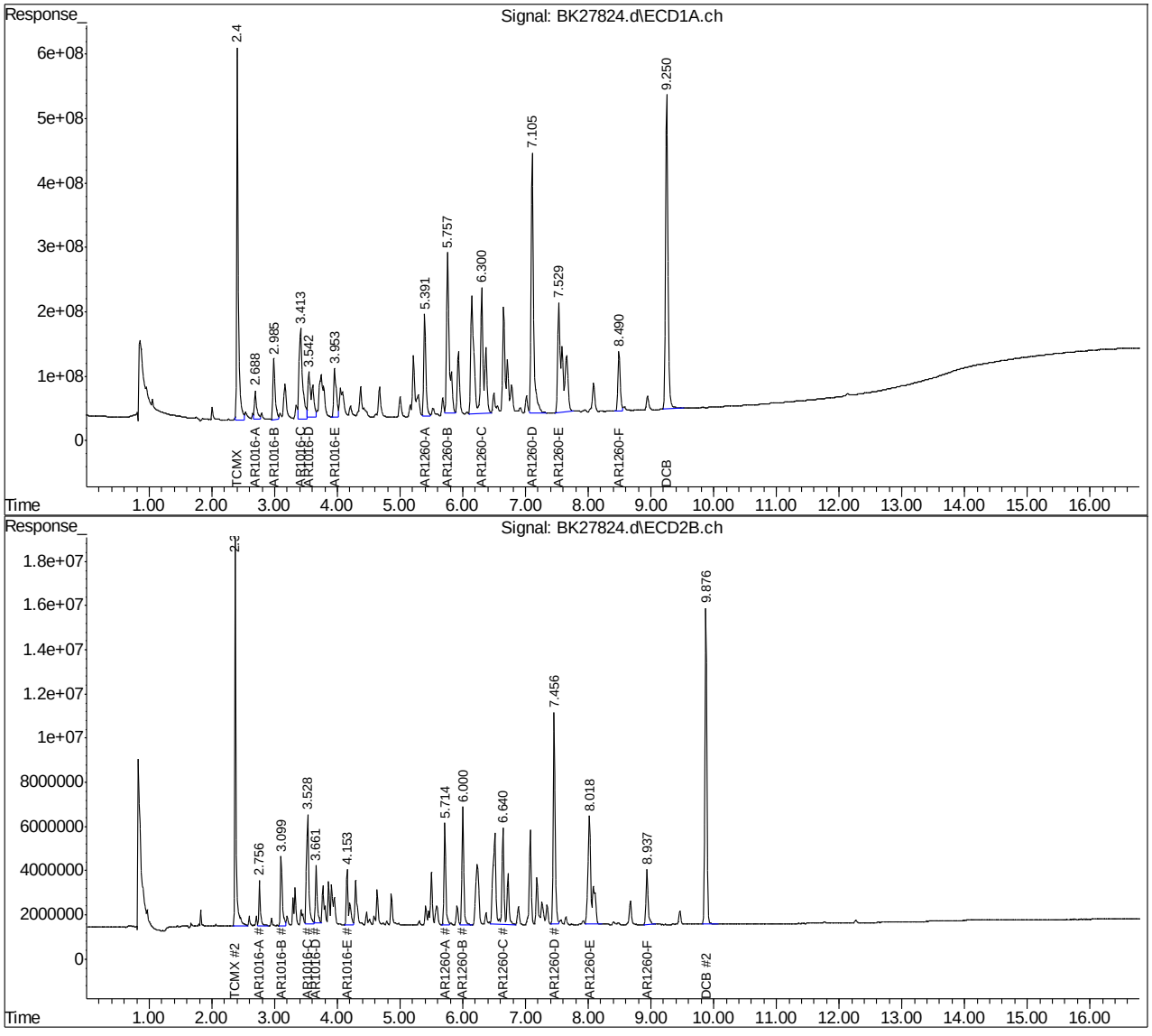
11.6.17
11

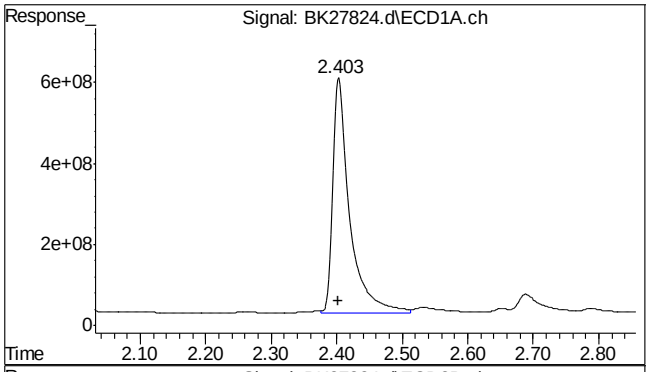
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27824.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 9:26 am
Operator : nickk
Sample : ic949-250,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:06:25 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 09:51:31 2013
Response via : Initial Calibration
Integrator: ChemStation

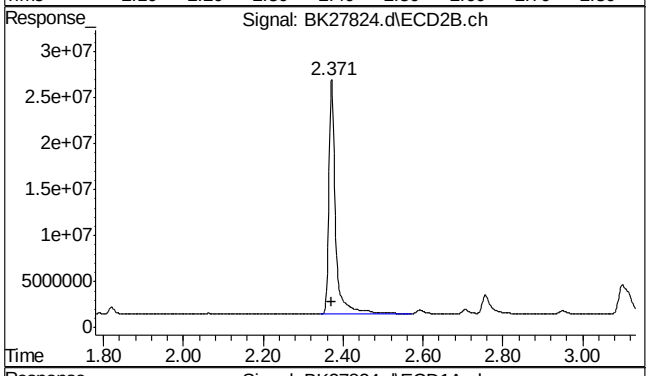
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





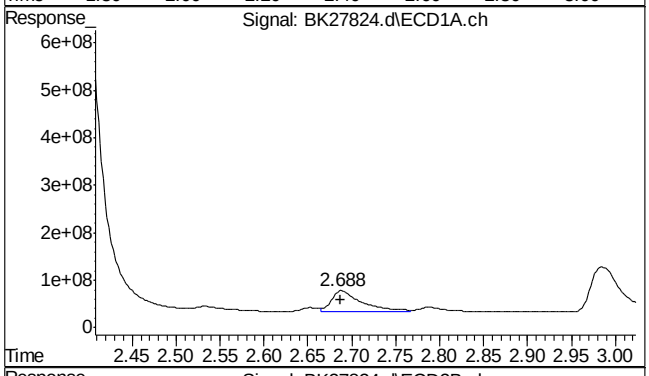
#1 TCMX

R.T.: 2.403 min
Delta R.T.: 0.000 min
Response: 10115106170
Conc: 40.48 ppb m



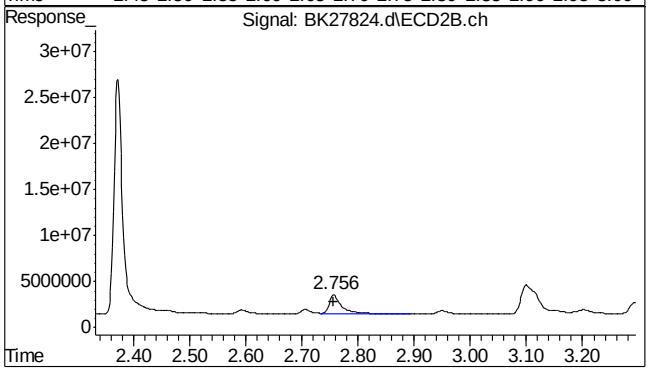
#1 TCMX

R.T.: 2.371 min
Delta R.T.: 0.000 min
Response: 292290908
Conc: 39.31 ppb m



#2 AR1016-A

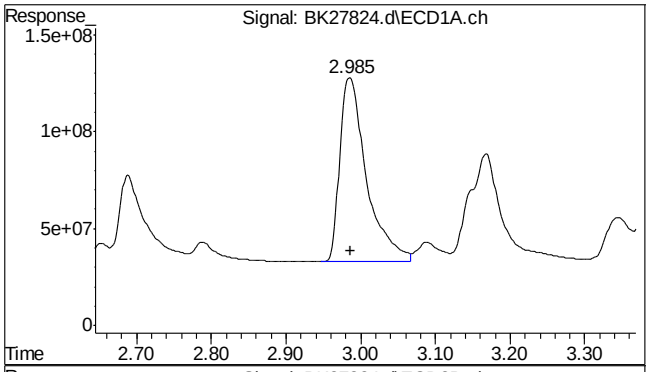
R.T.: 2.688 min
Delta R.T.: 0.000 min
Response: 1032231425
Conc: 266.55 ppb m



#2 AR1016-A

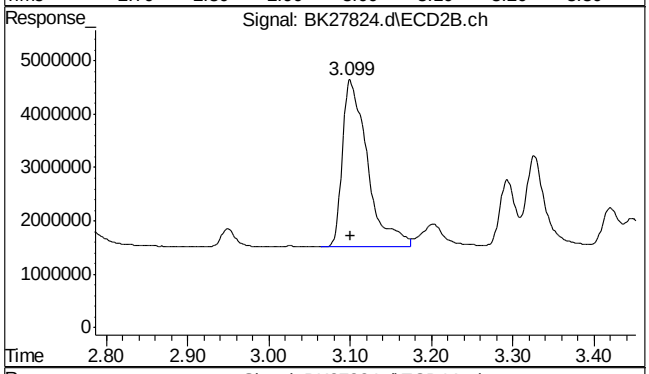
R.T.: 2.756 min
Delta R.T.: 0.000 min
Response: 31568899
Conc: 248.01 ppb m

11.6.17 11



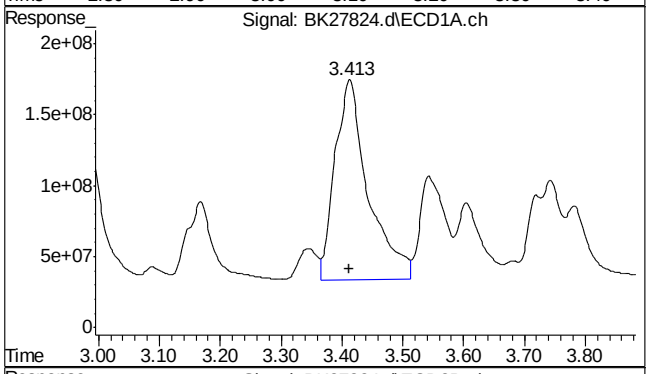
#3 AR1016-B

R.T.: 2.986 min
Delta R.T.: -0.001 min
Response: 2355549206
Conc: 250.72 ppb



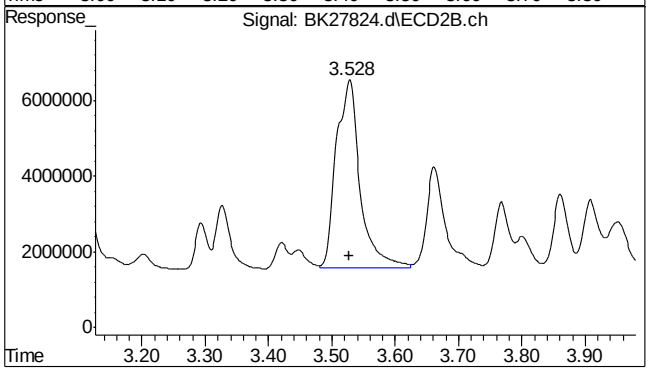
#3 AR1016-B

R.T.: 3.099 min
Delta R.T.: 0.000 min
Response: 67384063
Conc: 253.31 ppb m



#4 AR1016-C

R.T.: 3.413 min
Delta R.T.: 0.000 min
Response: 5358453380
Conc: 263.84 ppb



#4 AR1016-C

R.T.: 3.528 min
Delta R.T.: 0.000 min
Response: 129301433
Conc: 253.69 ppb m

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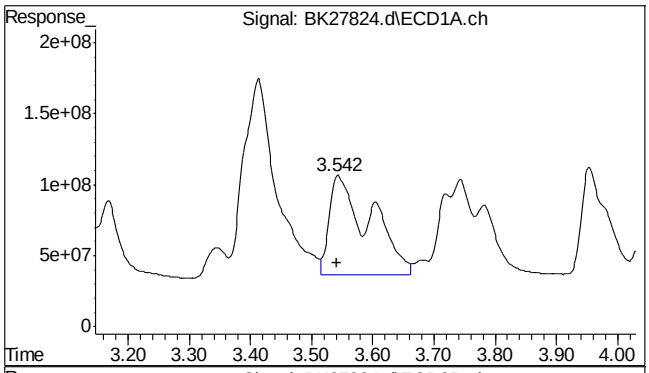
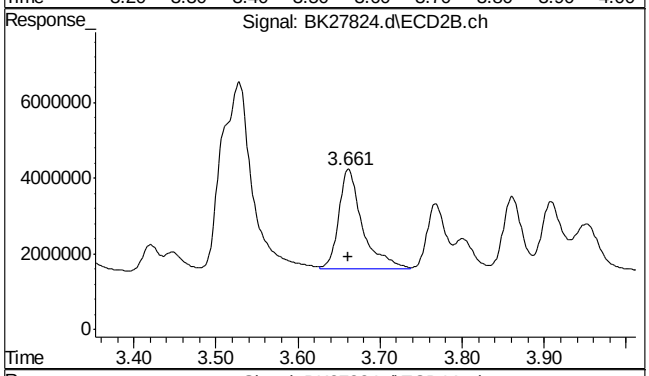


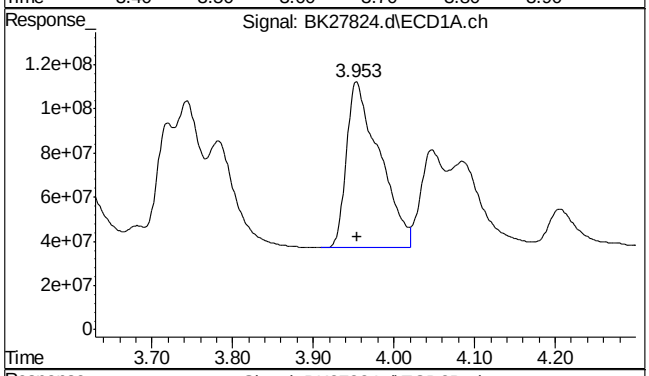
#5 AR1016-D

R.T.: 3.542 min
Delta R.T.: 0.000 min
Response: 3243431272
Conc: 261.06 m



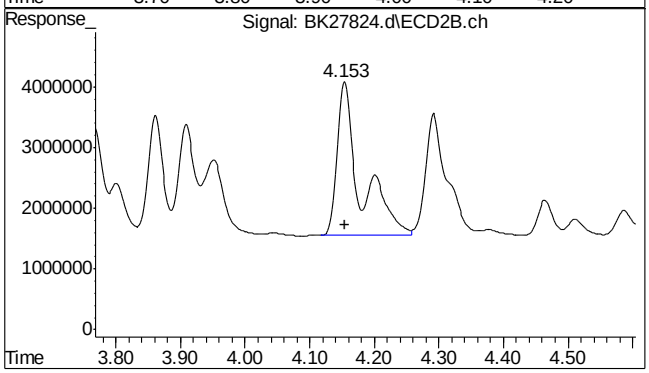
#5 AR1016-D

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 51910729
Conc: 252.63 m



#6 AR1016-E

R.T.: 3.953 min
Delta R.T.: 0.000 min
Response: 2147272501
Conc: 256.97 m



#6 AR1016-E

R.T.: 4.153 min
Delta R.T.: 0.000 min
Response: 62347215
Conc: 251.61 m

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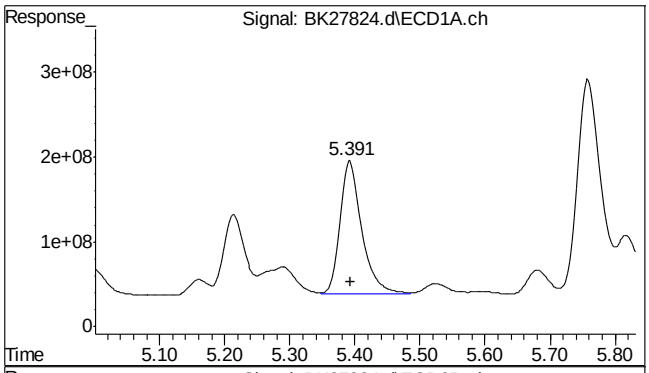
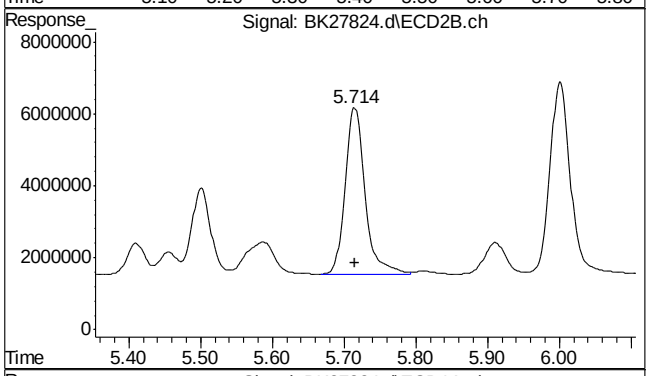


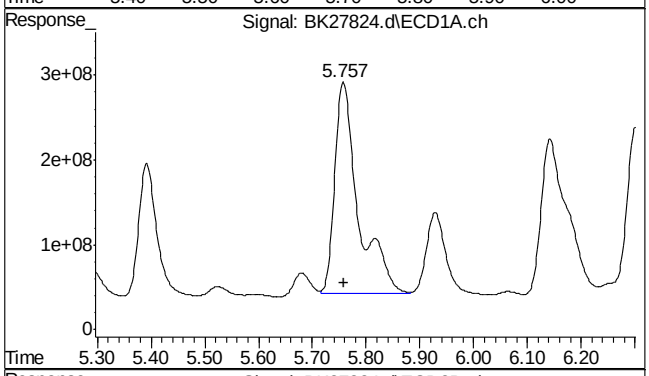
#7 AR1260-A

R.T.: 5.391 min
Delta R.T.: -0.002 min
Response: 3662717384
Conc: 249.23 ppb m



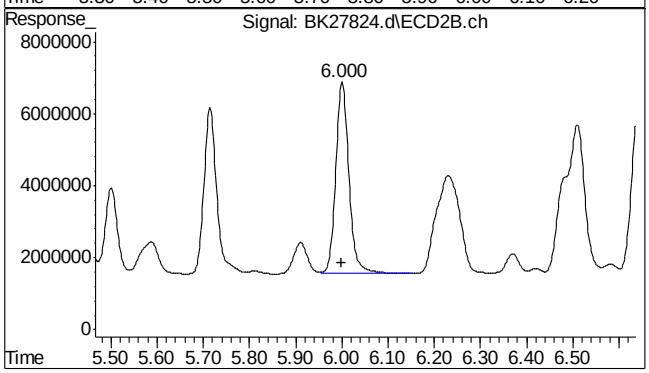
#7 AR1260-A

R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 88810183
Conc: 249.42 ppb m



#8 AR1260-B

R.T.: 5.757 min
Delta R.T.: 0.000 min
Response: 7629462237
Conc: 249.03 ppb m



#8 AR1260-B

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 105859252
Conc: 255.96 ppb m

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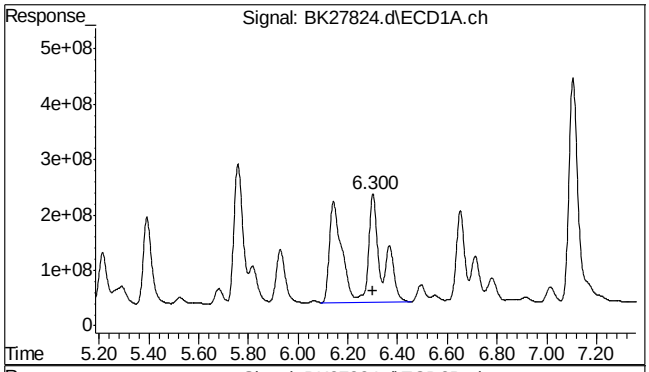
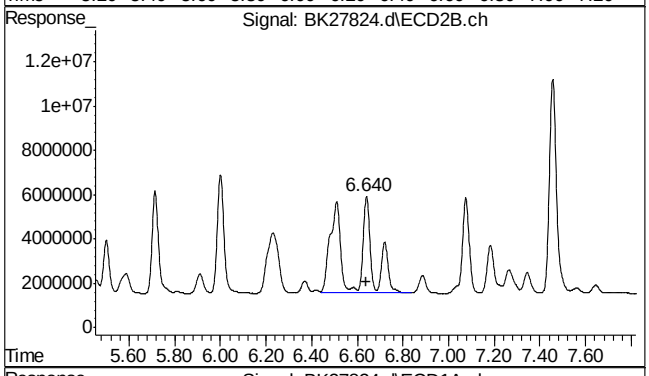


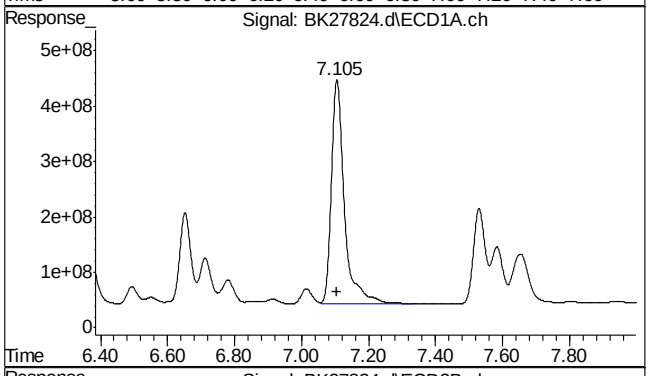
#9 AR1260-C

R.T.: 6.300 min
Delta R.T.: 0.000 min
Response: 13464751983
Conc: 261.01 ppb m



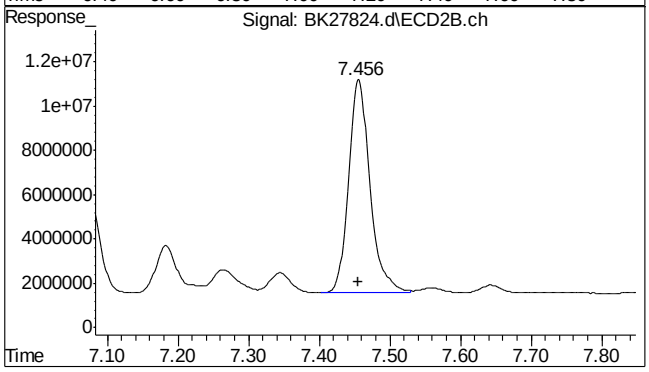
#9 AR1260-C

R.T.: 6.640 min
Delta R.T.: -0.001 min
Response: 268955631
Conc: 249.63 ppb m



#10 AR1260-D

R.T.: 7.105 min
Delta R.T.: -0.001 min
Response: 10834932777
Conc: 256.49 ppb m



#10 AR1260-D

R.T.: 7.456 min
Delta R.T.: 0.000 min
Response: 202010026
Conc: 246.10 ppb m

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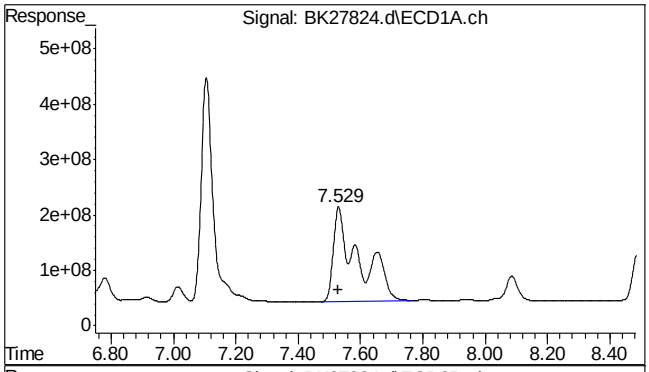
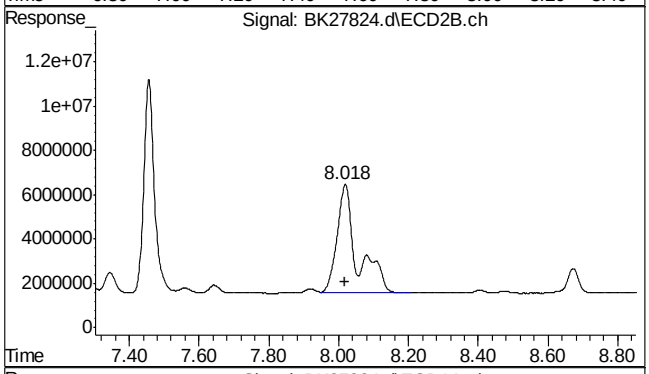


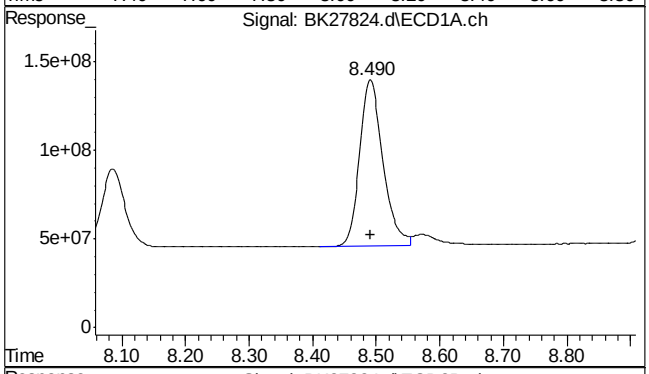
#11 AR1260-E

R.T.: 7.529 min
Delta R.T.: 0.000 min
Response: 9483166955
Conc: 249.93 ppb m



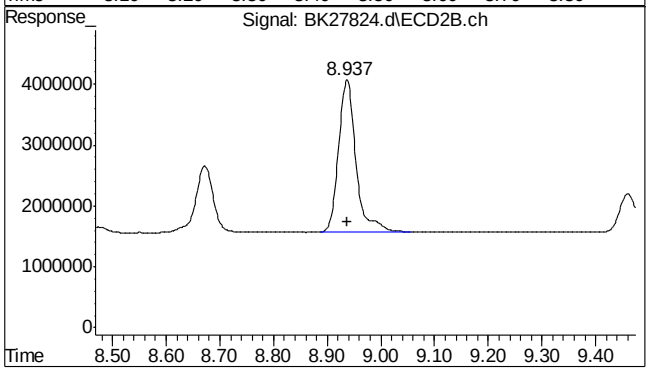
#11 AR1260-E

R.T.: 8.018 min
Delta R.T.: 0.000 min
Response: 196777510
Conc: 247.37 ppb m



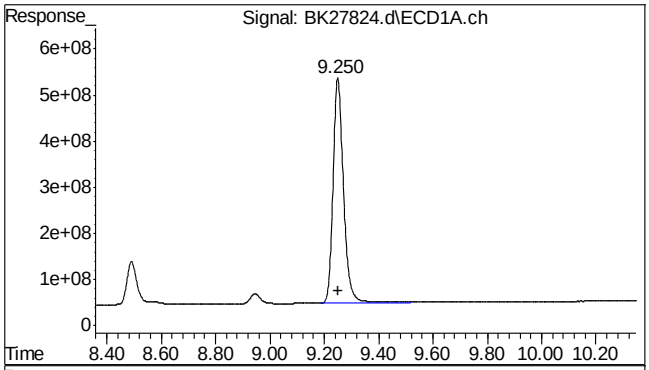
#12 AR1260-F

R.T.: 8.491 min
Delta R.T.: 0.000 min
Response: 2389110198
Conc: 256.65



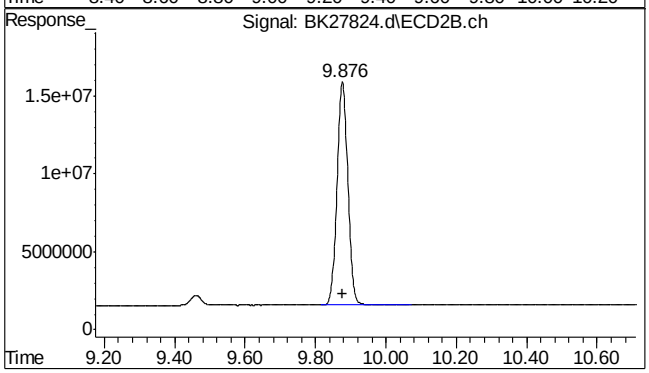
#12 AR1260-F

R.T.: 8.937 min
Delta R.T.: 0.000 min
Response: 56632541
Conc: 248.78 m



#13 DCB

R.T.: 9.250 min
Delta R.T.: 0.000 min
Response: 12951018932
Conc: 40.02 ppb m



#13 DCB

R.T.: 9.876 min
Delta R.T.: 0.000 min
Response: 308093396
Conc: 38.94 ppb m

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Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27825.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 9:45 am
Operator : nickk
Sample : ic949-100,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:05:56 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 10:48:30 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.399	2.368	3623.4E6	109.7E6	14.492m	14.752m
	Spiked Amount 40.000			Recovery	=	36.23%	36.88%
13) s	DCB	9.250	9.877	5093.3E6	120.6E6	15.736m	15.249m
	Spiked Amount 40.000			Recovery	=	39.34%	38.12%
	Target Compounds						
2)	AR1016-A	2.686	2.754	413.8E6	13125259	106.495m	103.130m
3)	AR1016-B	2.986	3.098	896.1E6	27260995	95.375m	102.521m
4)	AR1016-C	3.414	3.527	2042.6E6	48654744	99.915m	95.669m
5)	AR1016-D	3.545	3.661	1238.5E6	18973431	100.081m	93.188m
6)	AR1016-E	3.955	4.154	800.6E6	24668108	95.599m	99.777m
7)	AR1260-A	5.393	5.715	1455.2E6	35507218	99.490m	99.704m
8)	AR1260-B	5.760	6.001	2978.0E6	42478661	97.876m	102.744m
9)	AR1260-C	6.301	6.641	5200.0E6	106.2E6	100.938m	98.592m
10)	AR1260-D	7.106	7.456	4063.3E6	77333764	96.240m	94.240m
11)	AR1260-E	7.530	8.019	3650.0E6	77293471	96.287m	97.194m
12)	AR1260-F	8.490	8.936	894.9E6	22208688	96.136m	97.397m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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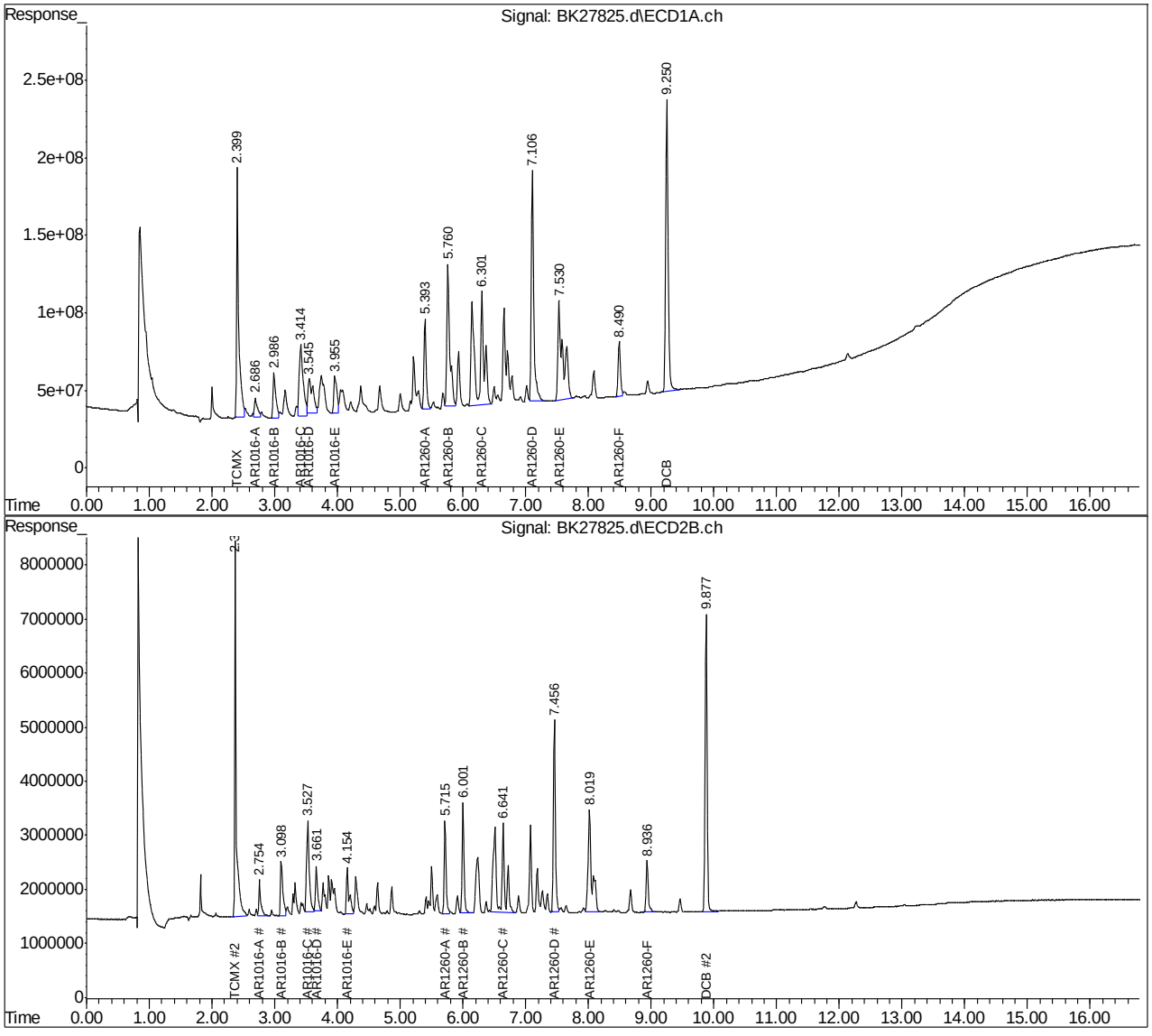
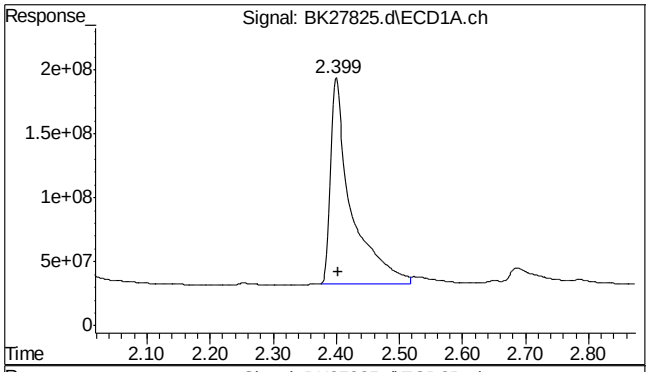
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27825.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 9:45 am
Operator : nickk
Sample : ic949-100,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:05:56 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 10:48:30 2013
Response via : Initial Calibration
Integrator: ChemStation

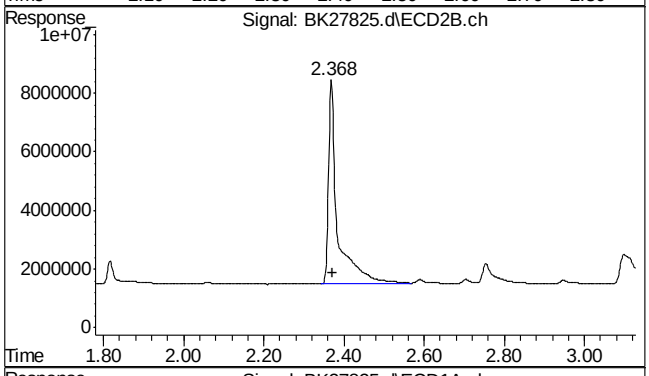
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





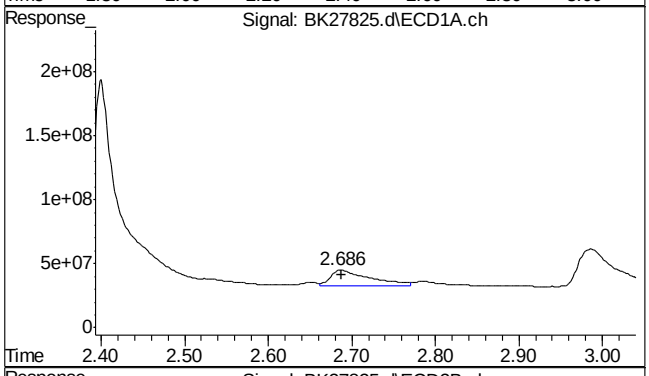
#1 TCMX

R.T.: 2.399 min
Delta R.T.: -0.004 min
Response: 3623397938
Conc: 14.49 ppb m



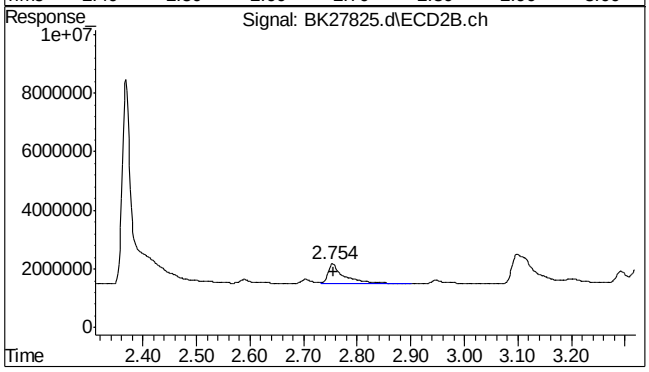
#1 TCMX

R.T.: 2.368 min
Delta R.T.: -0.003 min
Response: 109673393
Conc: 14.75 ppb m



#2 AR1016-A

R.T.: 2.686 min
Delta R.T.: -0.001 min
Response: 413757162
Conc: 106.50 ppb m



#2 AR1016-A

R.T.: 2.754 min
Delta R.T.: -0.002 min
Response: 13125259
Conc: 103.13 ppb m

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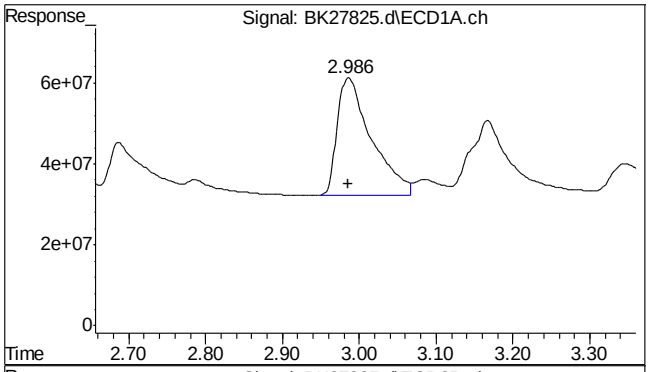
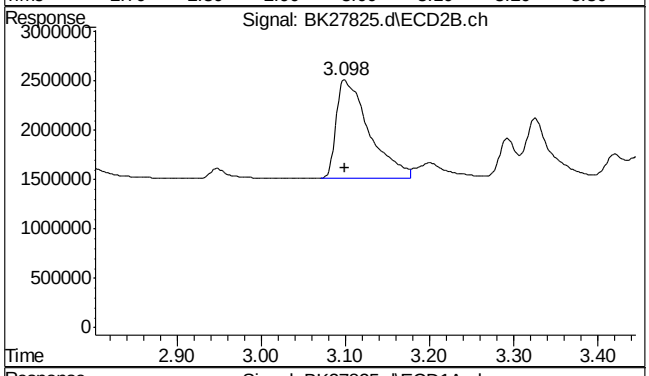


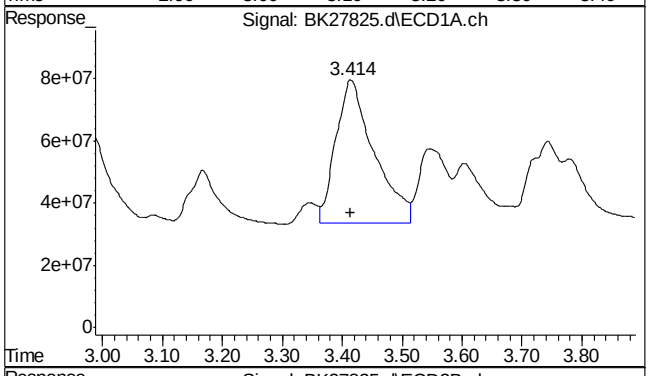
#3 AR1016-B

R.T.: 2.986 min
Delta R.T.: 0.000 min
Response: 896065342
Conc: 95.37 ppb m



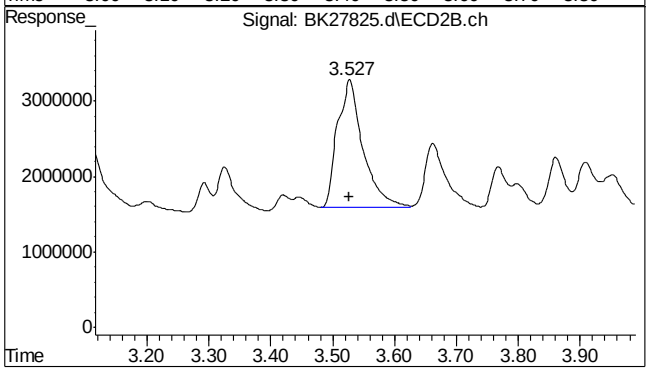
#3 AR1016-B

R.T.: 3.098 min
Delta R.T.: -0.001 min
Response: 27260995
Conc: 102.52 ppb m



#4 AR1016-C

R.T.: 3.414 min
Delta R.T.: 0.000 min
Response: 2042564270
Conc: 99.92 ppb m



#4 AR1016-C

R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 48654744
Conc: 95.67 ppb m

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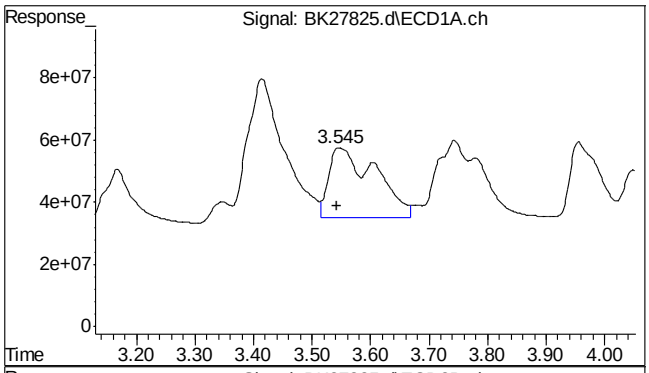
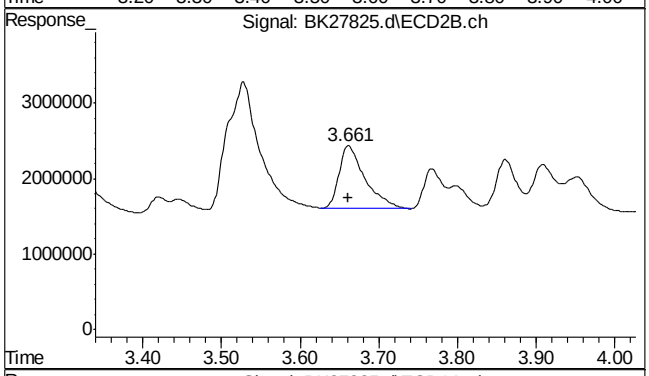


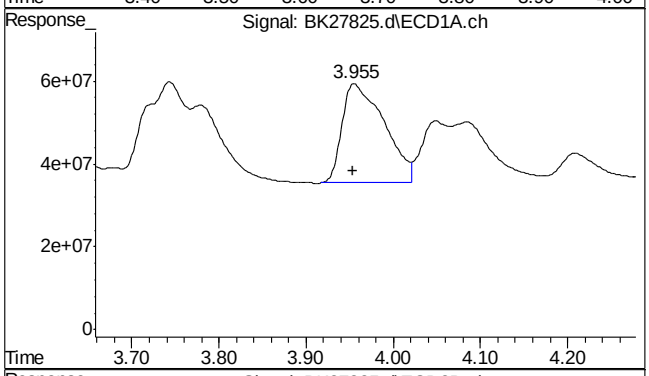
#5 AR1016-D

R.T.: 3.545 min
Delta R.T.: 0.003 min
Response: 1238508707
Conc: 100.08 m



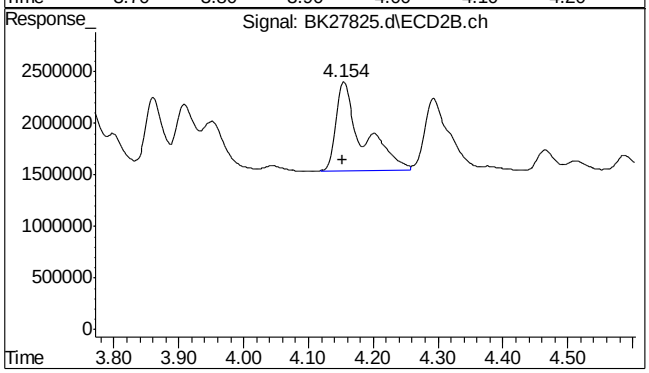
#5 AR1016-D

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 18973431
Conc: 93.19 m



#6 AR1016-E

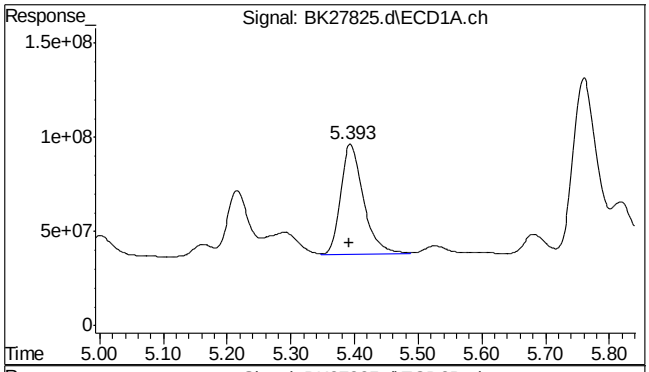
R.T.: 3.955 min
Delta R.T.: 0.001 min
Response: 800582619
Conc: 95.60 m



#6 AR1016-E

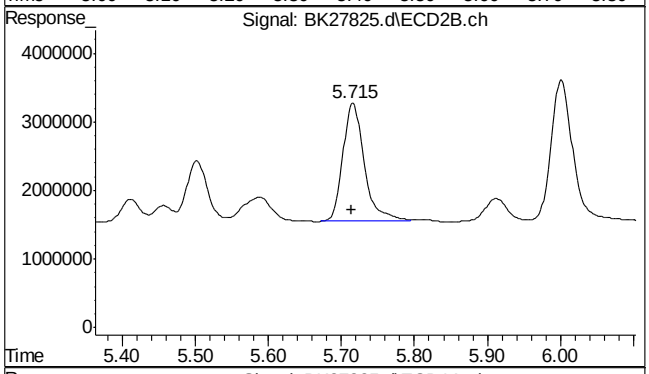
R.T.: 4.154 min
Delta R.T.: 0.000 min
Response: 24668108
Conc: 99.78 m

11.6.18 11



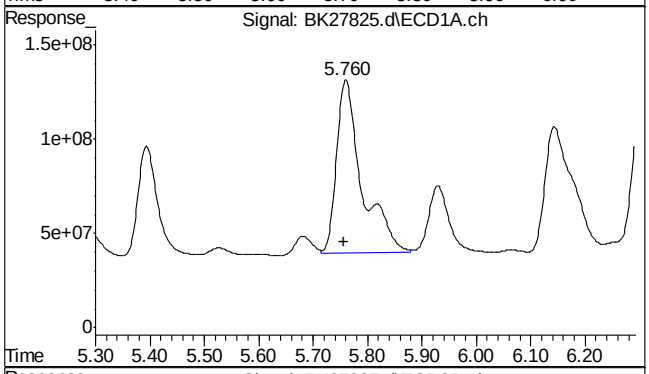
#7 AR1260-A

R.T.: 5.393 min
Delta R.T.: 0.002 min
Response: 1455153983
Conc: 99.49 ppb m



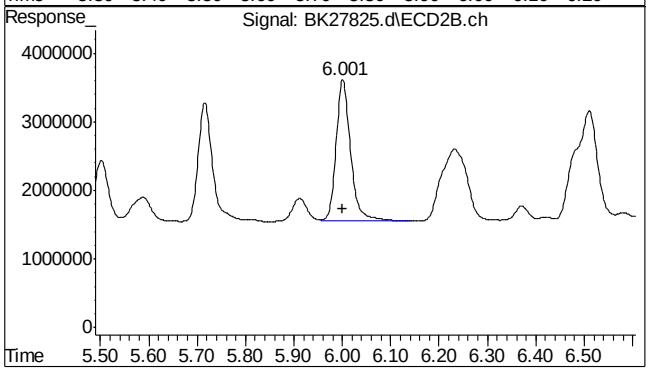
#7 AR1260-A

R.T.: 5.715 min
Delta R.T.: 0.001 min
Response: 35507218
Conc: 99.70 ppb m



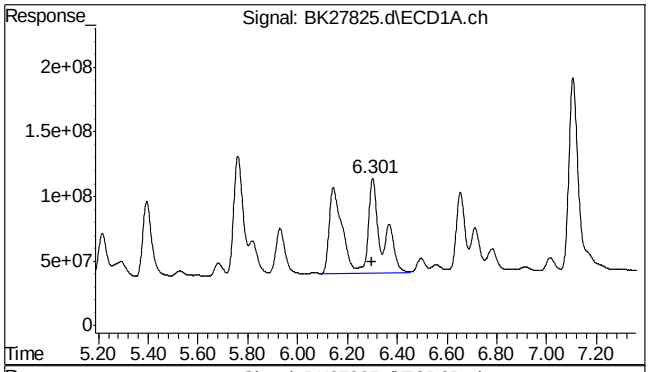
#8 AR1260-B

R.T.: 5.760 min
Delta R.T.: 0.002 min
Response: 2977966485
Conc: 97.88 ppb m



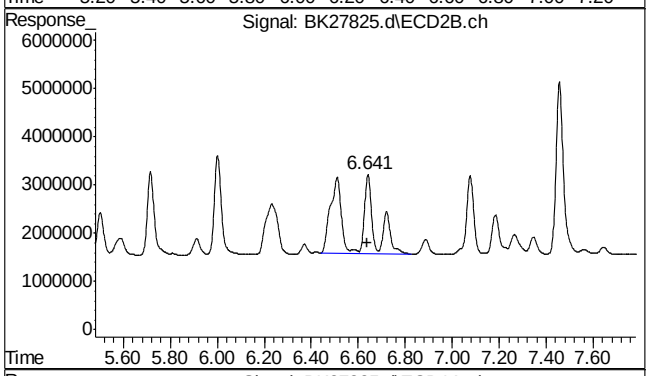
#8 AR1260-B

R.T.: 6.001 min
Delta R.T.: 0.000 min
Response: 42478661
Conc: 102.74 ppb m



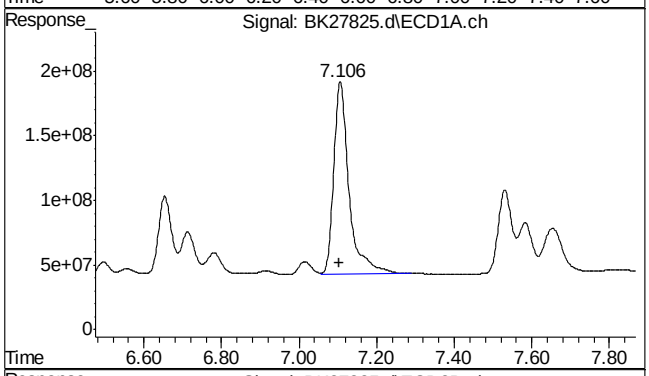
#9 AR1260-C

R.T.: 6.301 min
Delta R.T.: 0.000 min
Response: 5200008374
Conc: 100.94 ppb m



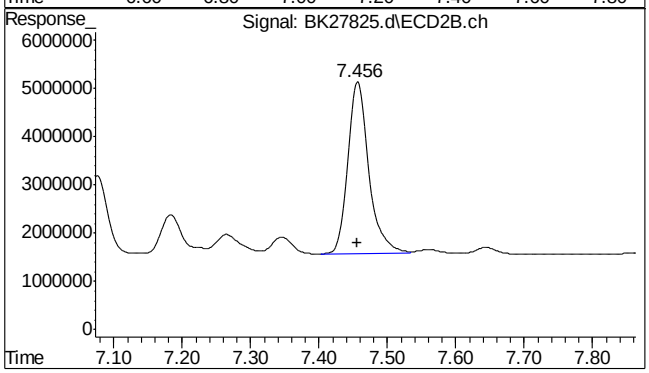
#9 AR1260-C

R.T.: 6.641 min
Delta R.T.: 0.001 min
Response: 106190240
Conc: 98.59 ppb m



#10 AR1260-D

R.T.: 7.106 min
Delta R.T.: 0.000 min
Response: 4063302226
Conc: 96.24 ppb m



#10 AR1260-D

R.T.: 7.456 min
Delta R.T.: 0.000 min
Response: 77333764
Conc: 94.24 ppb m

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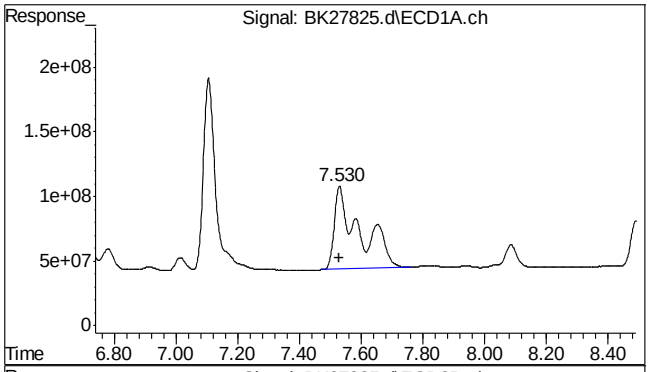
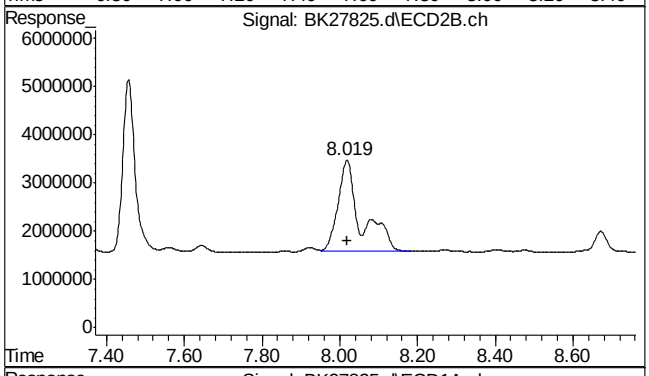


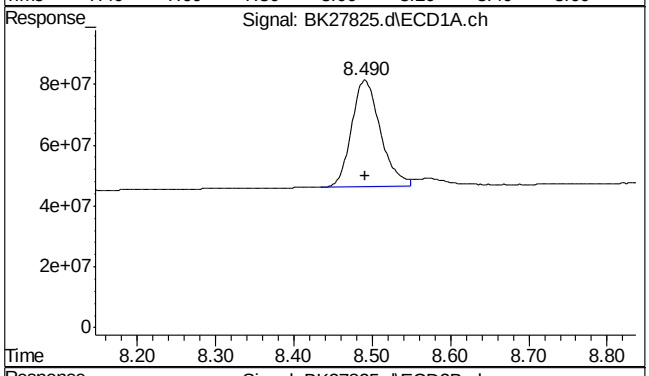
#11 AR1260-E

R.T.: 7.530 min
Delta R.T.: 0.000 min
Response: 3649957812
Conc: 96.29 ppb m



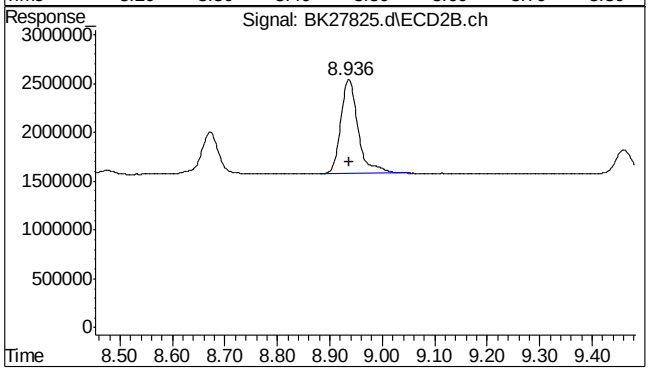
#11 AR1260-E

R.T.: 8.019 min
Delta R.T.: 0.000 min
Response: 77293471
Conc: 97.19 ppb m



#12 AR1260-F

R.T.: 8.490 min
Delta R.T.: 0.000 min
Response: 894917777
Conc: 96.14 m



#12 AR1260-F

R.T.: 8.936 min
Delta R.T.: -0.001 min
Response: 22208688
Conc: 97.40 m

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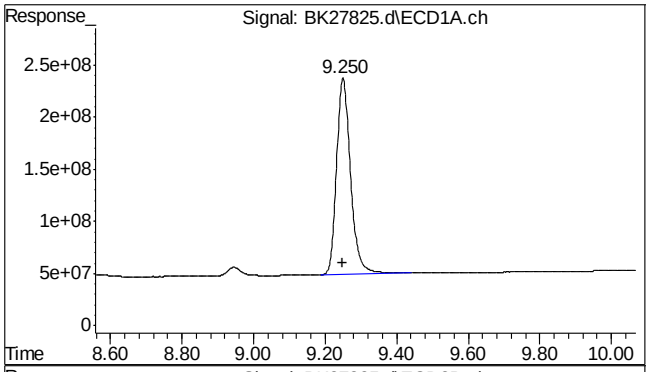
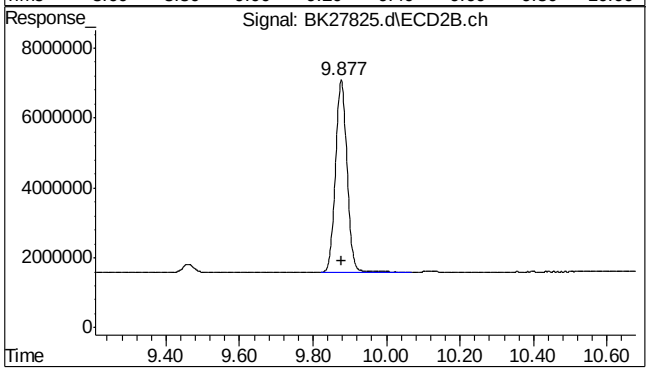
11



#13 DCB

R.T.: 9.250 min
Delta R.T.: 0.000 min
Response: 5093280990
Conc: 15.74 ppb m



#13 DCB

R.T.: 9.877 min
Delta R.T.: 0.000 min
Response: 120574851
Conc: 15.25 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27826.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 10:04 am
Operator : nickk
Sample : ic949-50,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:05:12 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 10:52:35 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.402	2.371	2280.8E6	67797147	8.964m	9.154m
	Spiked Amount 40.000			Recovery =		22.41%	22.88%
13) s	DCB	9.249	9.877	3388.8E6	80235670	10.291m	10.127m
	Spiked Amount 40.000			Recovery =		25.73%	25.32%
	Target Compounds						
2)	AR1016-A	2.718	2.756	196.4E6	6715603	49.567m	53.049m
3)	AR1016-B	2.986	3.100	496.9E6	14980009	52.080m	56.386m
4)	AR1016-C	3.414	3.528	1021.0E6	27989043	48.394m	54.483m
5)	AR1016-D	3.544	3.661	600.6E6	11401350	47.159m	55.883m
6)	AR1016-E	3.954	4.154	464.9E6	13588468	54.797m	54.593m
7)	AR1260-A	5.392	5.715	809.2E6	20505909	53.687m	57.323m
8)	AR1260-B	5.758	6.000	1665.1E6	23218221	53.758m	54.861m
9)	AR1260-C	6.301	6.640	2827.1E6	57350127	52.225m	52.637m
10)	AR1260-D	7.105	7.456	2170.5E6	42359246	50.486m	51.181m
11)	AR1260-E	7.530	8.019	2046.2E6	43010928	52.909m	53.666m
12)	AR1260-F	8.490	8.937	472.6E6	12018438	49.854m	52.255m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

11.6.19
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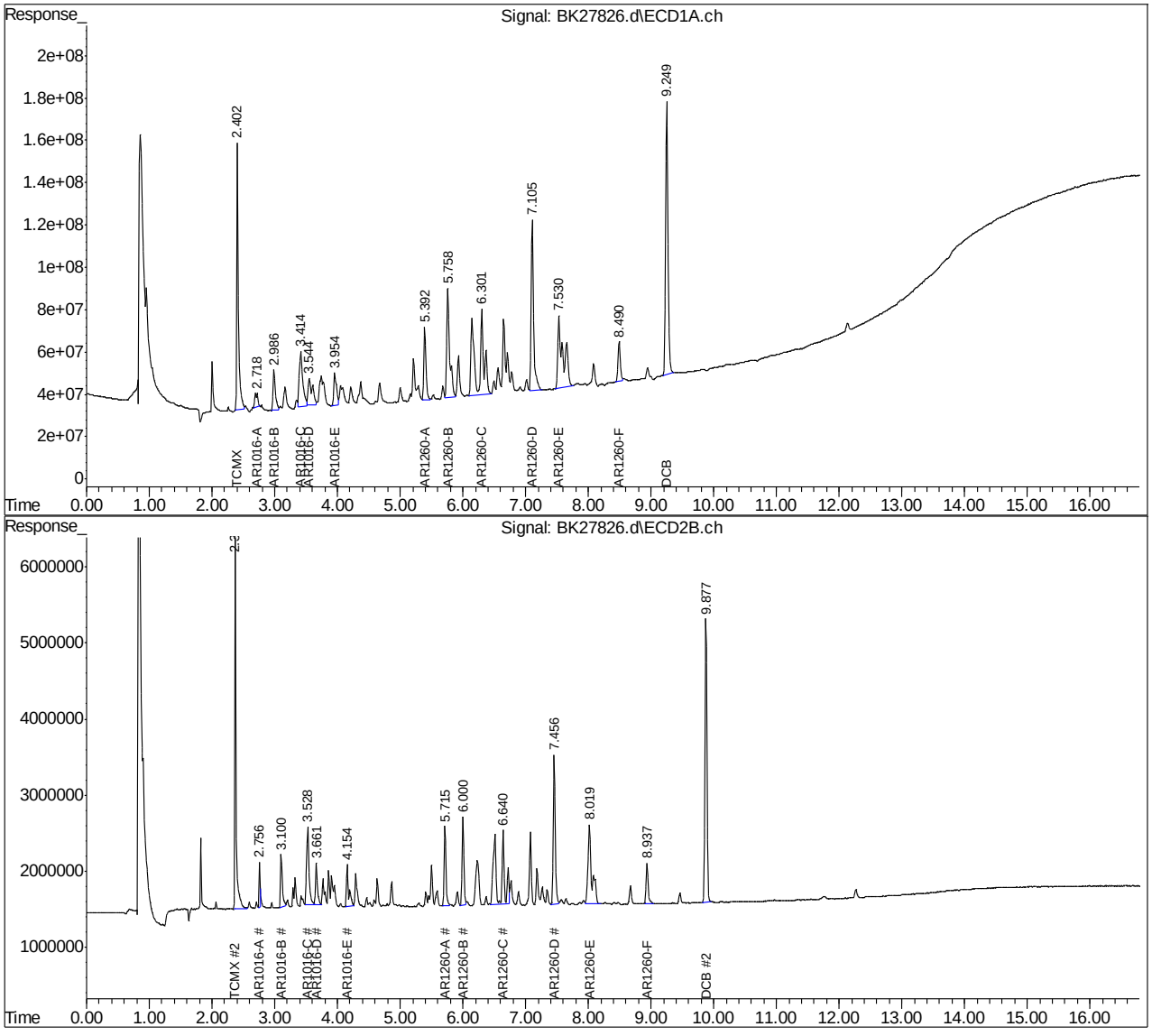
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27826.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 10:04 am
Operator : nickk
Sample : ic949-50,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 56 Sample Multiplier: 1

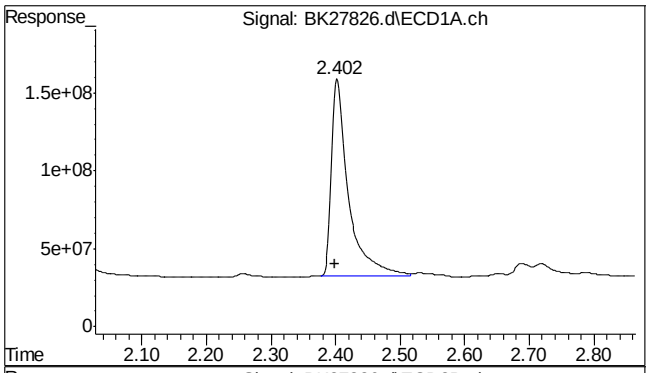
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:05:12 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 10:52:35 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



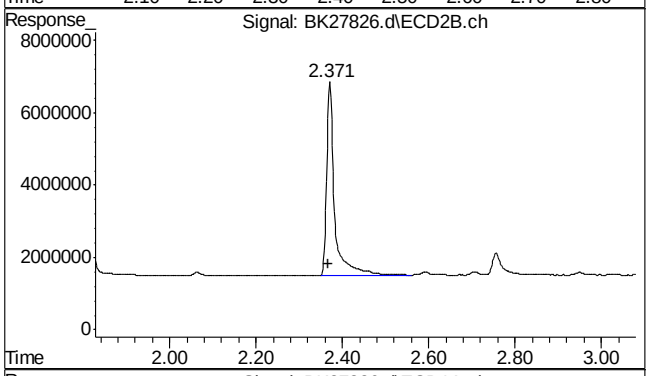
ACCUTEST LABORATORIES MC23272

11.6.19 11



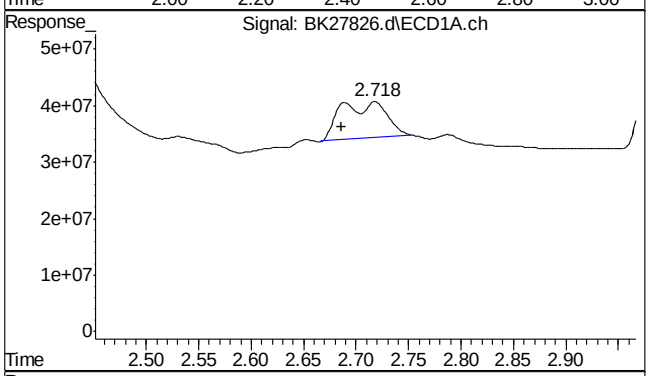
#1 TCMX

R.T.: 2.402 min
Delta R.T.: 0.003 min
Response: 2280816899
Conc: 8.96 ppb m



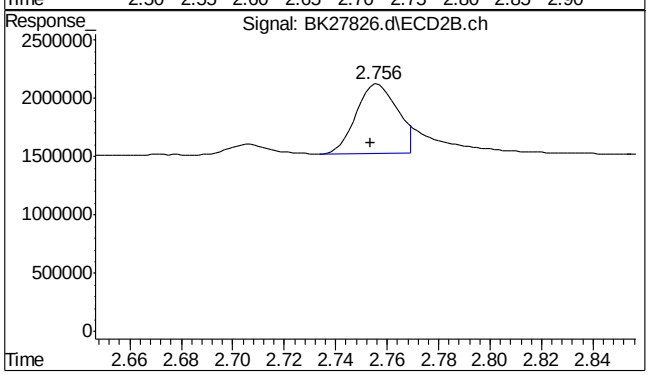
#1 TCMX

R.T.: 2.371 min
Delta R.T.: 0.003 min
Response: 67797147
Conc: 9.15 ppb m



#2 AR1016-A

R.T.: 2.718 min
Delta R.T.: 0.032 min
Response: 196429593
Conc: 49.57 ppb m



#2 AR1016-A

R.T.: 2.756 min
Delta R.T.: 0.002 min
Response: 6715603
Conc: 53.05 ppb m

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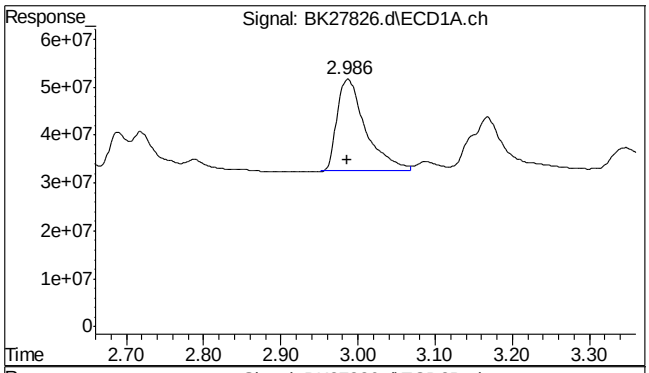
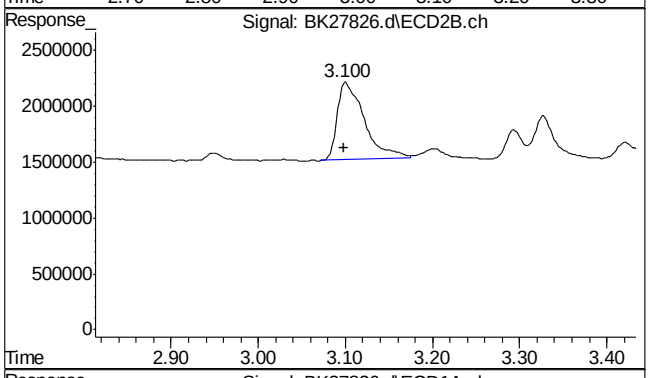


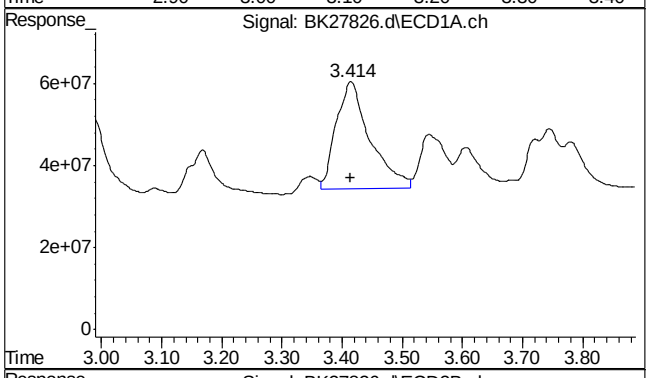
#3 AR1016-B

R.T.: 2.986 min
Delta R.T.: 0.000 min
Response: 496920083
Conc: 52.08 ppb m



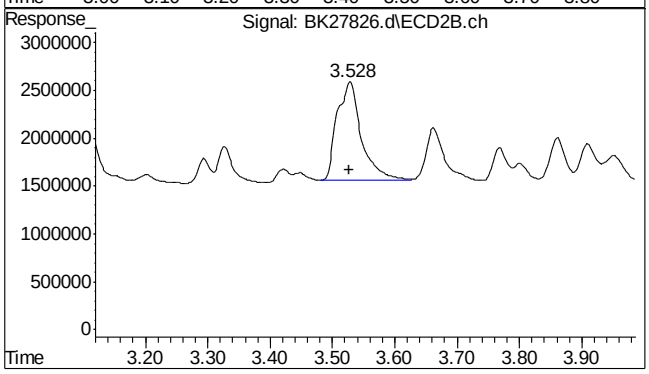
#3 AR1016-B

R.T.: 3.100 min
Delta R.T.: 0.001 min
Response: 14980009
Conc: 56.39 ppb m



#4 AR1016-C

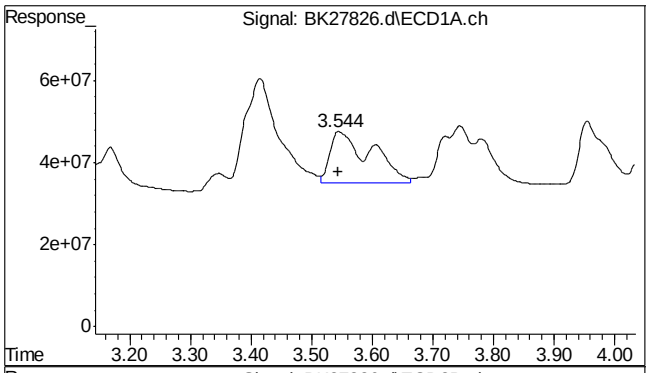
R.T.: 3.414 min
Delta R.T.: 0.000 min
Response: 1021033791
Conc: 48.39 ppb m



#4 AR1016-C

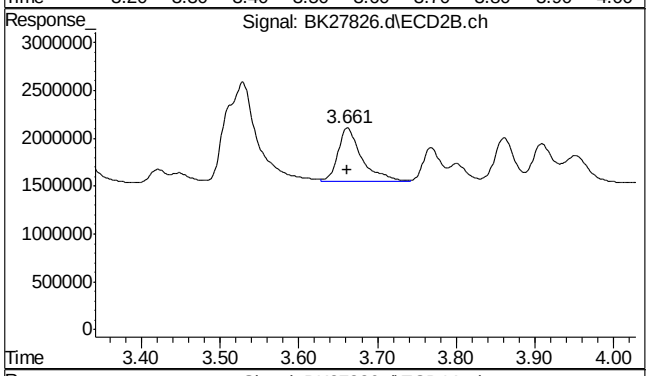
R.T.: 3.528 min
Delta R.T.: 0.000 min
Response: 27989043
Conc: 54.48 ppb m

11.6.19
11



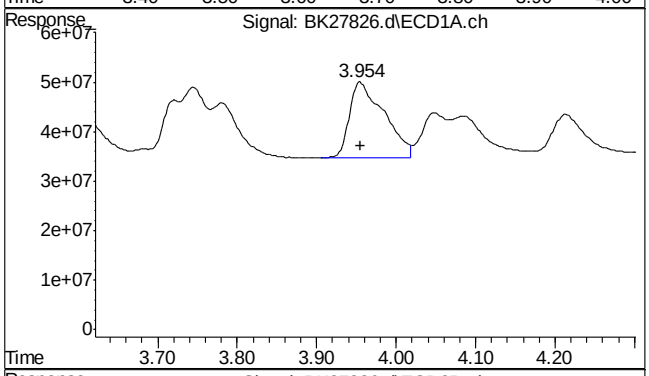
#5 AR1016-D

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 600648753
Conc: 47.16 m



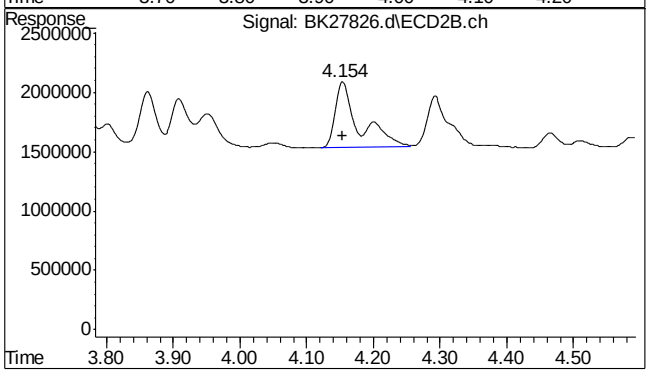
#5 AR1016-D

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 11401350
Conc: 55.88 m



#6 AR1016-E

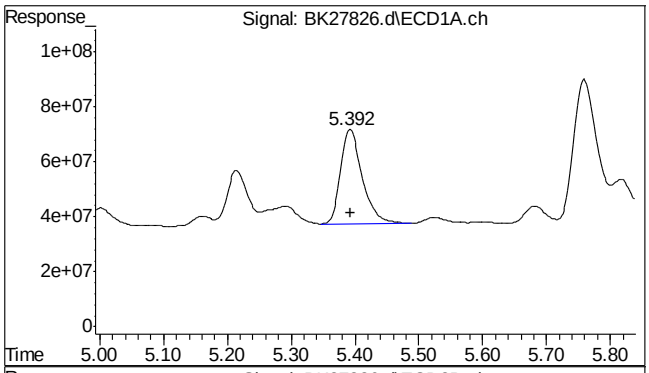
R.T.: 3.954 min
Delta R.T.: 0.000 min
Response: 464929824
Conc: 54.80 m



#6 AR1016-E

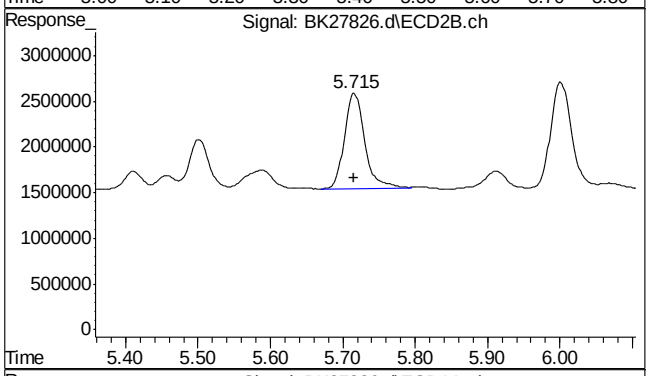
R.T.: 4.154 min
Delta R.T.: 0.000 min
Response: 13588468
Conc: 54.59 m

11.6.19 11



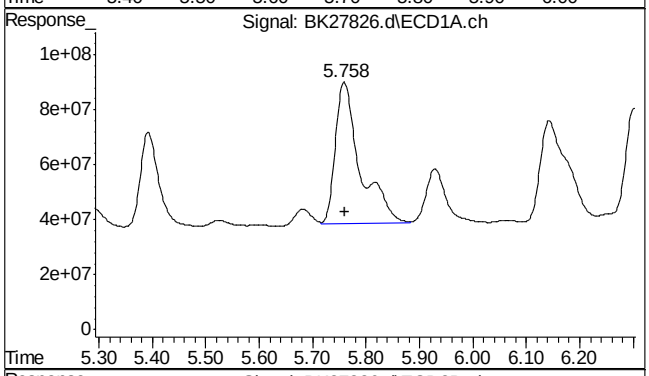
#7 AR1260-A

R.T.: 5.392 min
Delta R.T.: -0.001 min
Response: 809174351
Conc: 53.69 ppb m



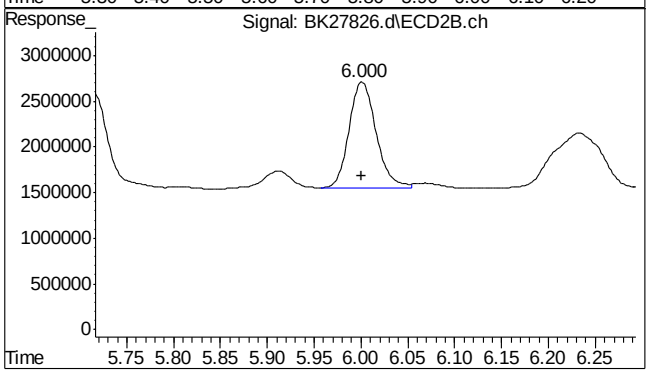
#7 AR1260-A

R.T.: 5.715 min
Delta R.T.: 0.000 min
Response: 20505909
Conc: 57.32 ppb m



#8 AR1260-B

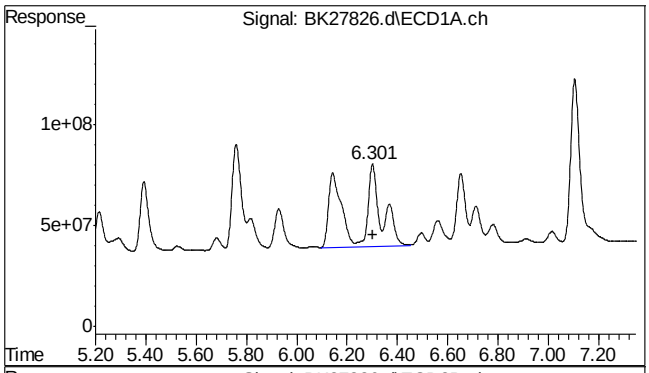
R.T.: 5.758 min
Delta R.T.: -0.001 min
Response: 1665077998
Conc: 53.76 ppb m



#8 AR1260-B

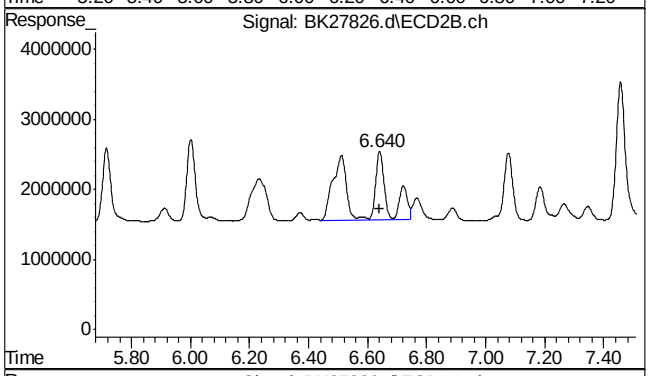
R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 23218221
Conc: 54.86 ppb m

11.6.19
11



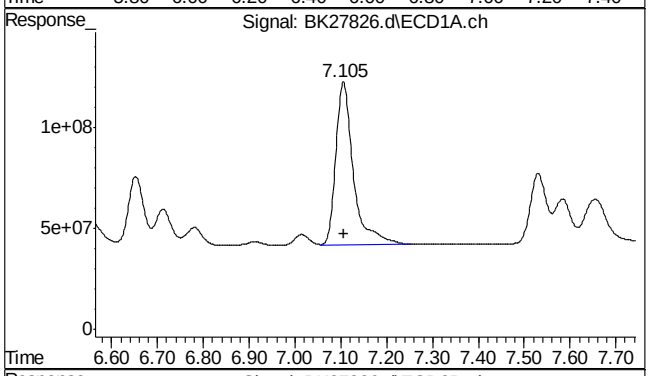
#9 AR1260-C

R.T.: 6.301 min
Delta R.T.: 0.000 min
Response: 2827067670
Conc: 52.22 ppb m



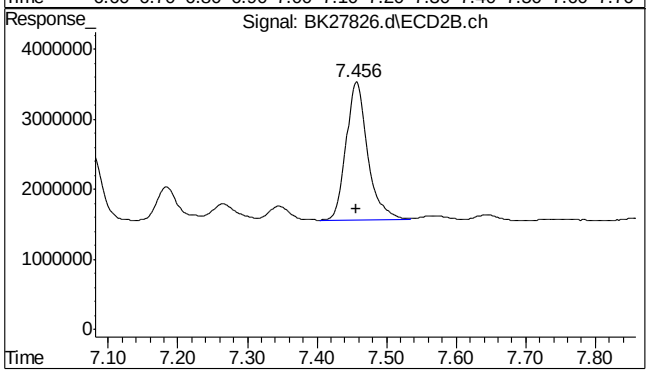
#9 AR1260-C

R.T.: 6.640 min
Delta R.T.: 0.000 min
Response: 57350127
Conc: 52.64 ppb m



#10 AR1260-D

R.T.: 7.105 min
Delta R.T.: 0.000 min
Response: 2170451908
Conc: 50.49 ppb m



#10 AR1260-D

R.T.: 7.456 min
Delta R.T.: 0.000 min
Response: 42359246
Conc: 51.18 ppb m

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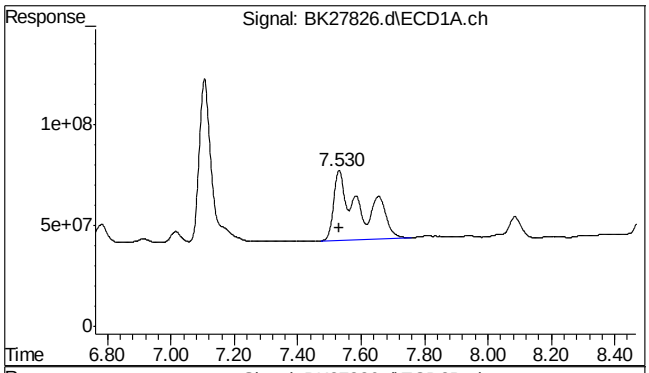
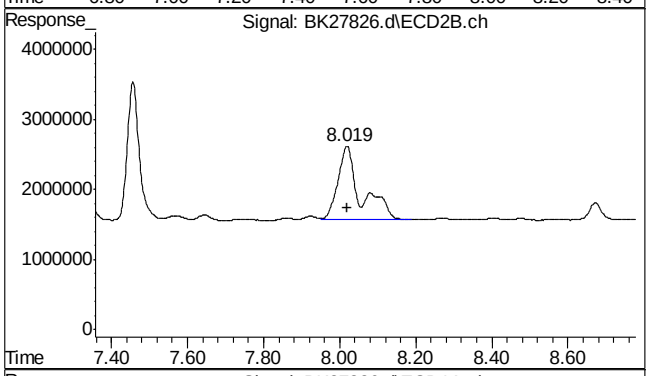


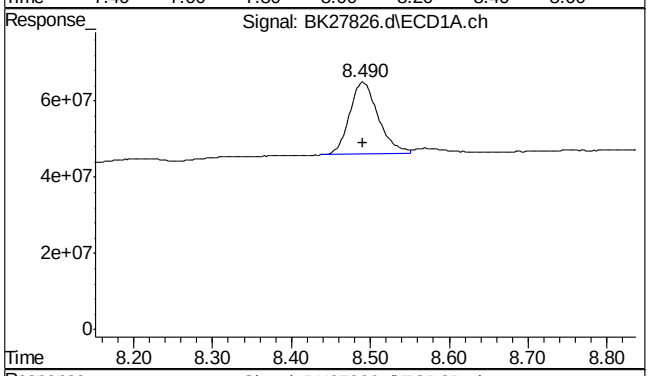
#11 AR1260-E

R.T.: 7.530 min
Delta R.T.: 0.000 min
Response: 2046196544
Conc: 52.91 ppb m



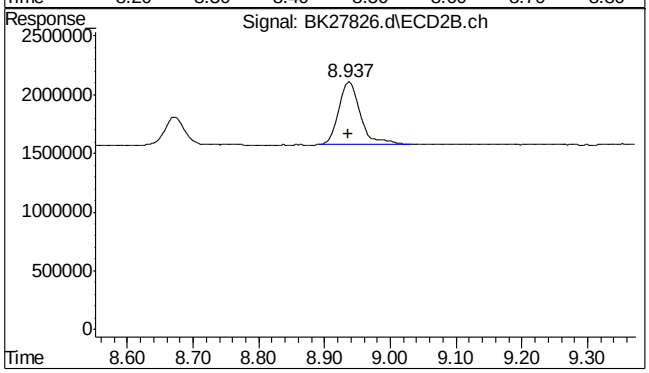
#11 AR1260-E

R.T.: 8.019 min
Delta R.T.: 0.000 min
Response: 43010928
Conc: 53.67 ppb m



#12 AR1260-F

R.T.: 8.490 min
Delta R.T.: 0.000 min
Response: 472632234
Conc: 49.85 m



#12 AR1260-F

R.T.: 8.937 min
Delta R.T.: 0.000 min
Response: 12018438
Conc: 52.25 m

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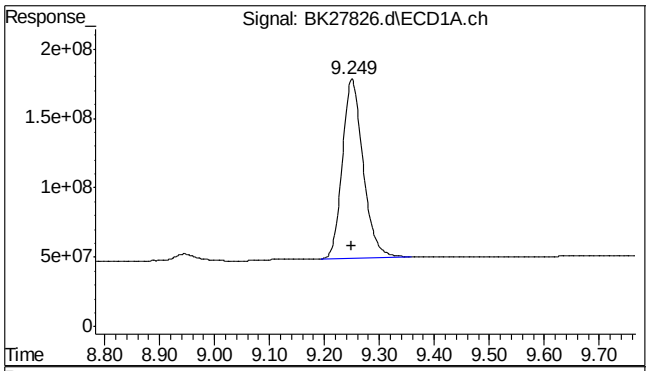
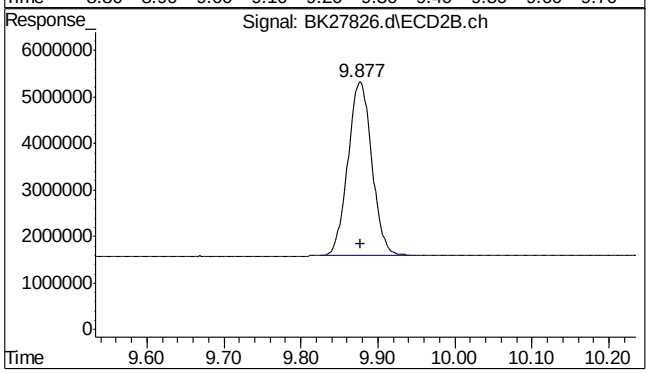


#13 DCB

R.T.: 9.249 min
Delta R.T.: 0.000 min
Response: 3388784968
Conc: 10.29 ppb m



#13 DCB

R.T.: 9.877 min
Delta R.T.: 0.000 min
Response: 80235670
Conc: 10.13 ppb m

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BK27827.D

Manual Integrations APPROVED (compounds with "m" flag)

Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27827.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 10:23 am
Operator : nickk
Sample : ic949-500,a21/54
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:11:42 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:08:46 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.403	2.371	10851.7E6	314.3E6	41.900m	42.151m
	Spiked Amount 40.000			Recovery	= 104.75%	105.38%	
13) s	DCB	9.248	9.876	11084.0E6	265.0E6	32.665m	32.561
	Spiked Amount 40.000			Recovery	= 81.66%	81.40%	
	Target Compounds						
14)	AR1221-A	2.005	2.037	1320.6E6	23518835	612.610m	512.787m
15)	AR1221-B	2.534	2.592	1216.4E6	36376741	520.830m	505.635m
16)	AR1221-C	2.687	2.756	3800.6E6	88121431	545.600	488.794m
32)	AR1254-A	4.369	4.635	9519.4E6	195.4E6	540.640m	606.991m
33)	AR1254-B	4.667	4.862	12872.1E6	272.7E6	494.467m	486.865m
34)	AR1254-C	5.158	5.455	18757.4E6	463.1E6	534.549m	490.243m
35)	AR1254-D	5.520	5.758	6784.4E6	263.4E6	555.641m	488.242m
36)	AR1254-E	6.142	6.511	10191.8E6	226.3E6	570.872m	480.454m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

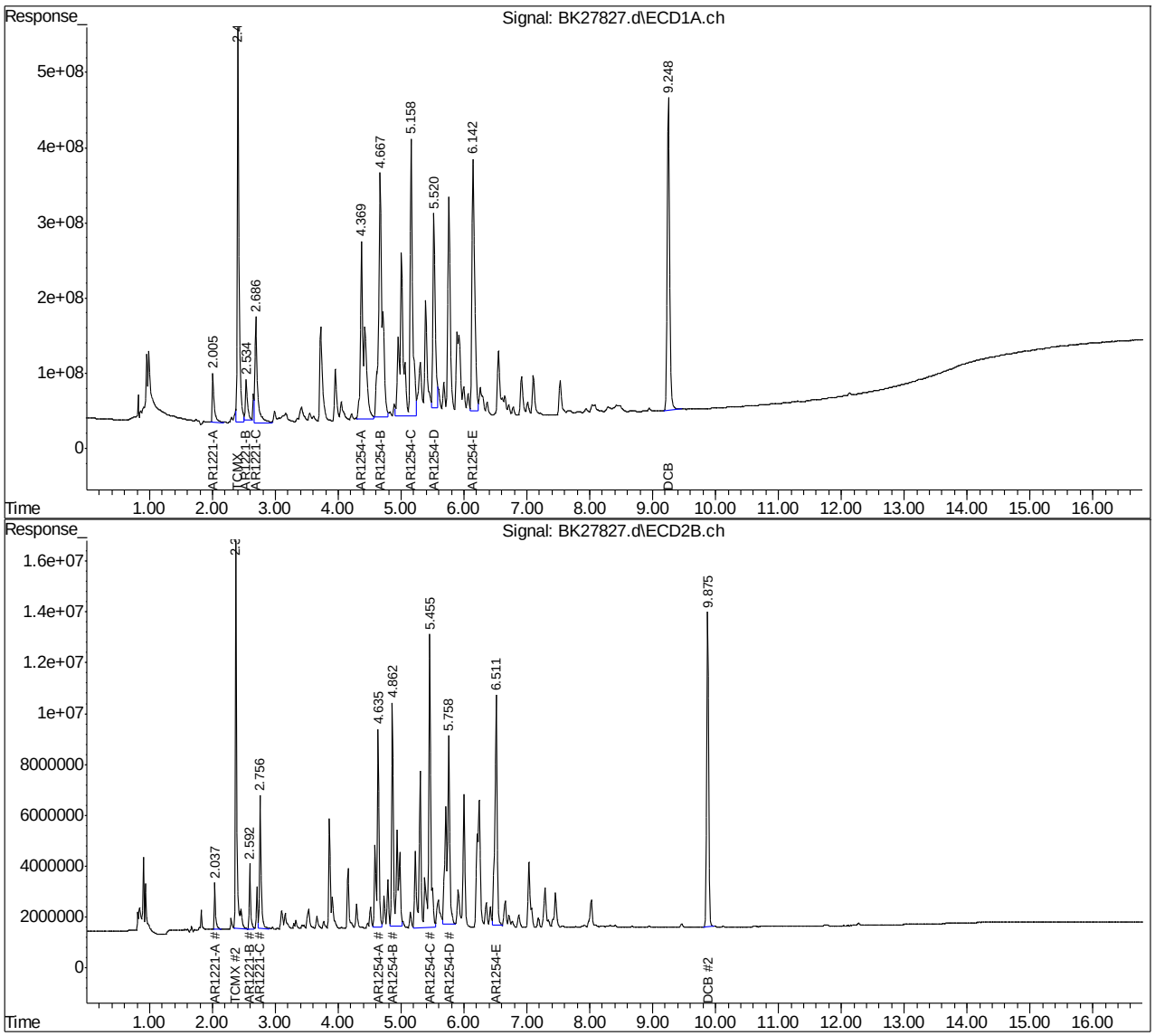
11.6.20
11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27827.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 10:23 am
Operator : nickk
Sample : ic949-500,a21/54
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 57 Sample Multiplier: 1

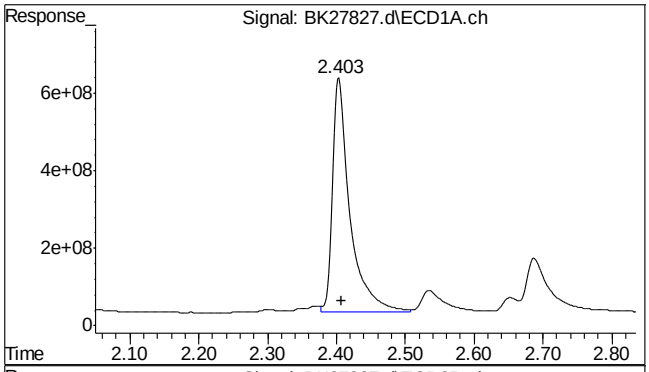
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:11:42 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:08:46 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



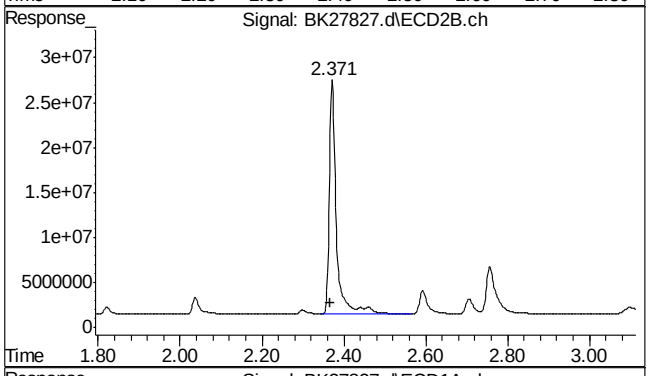
ACCUTEST LABORATORIES MC23272

11.6.20 11



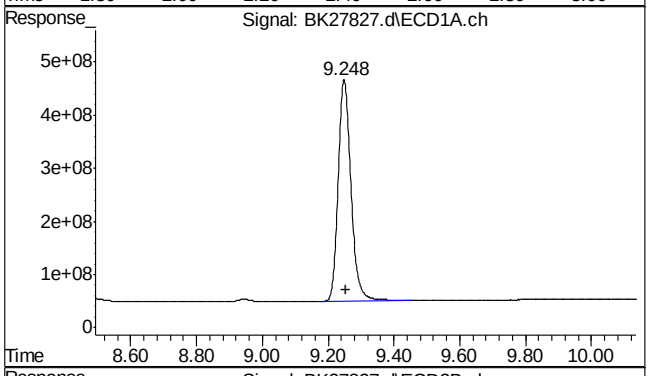
#1 TCMX

R.T.: 2.403 min
Delta R.T.: -0.005 min
Response: 10851681659
Conc: 41.90 ppb m



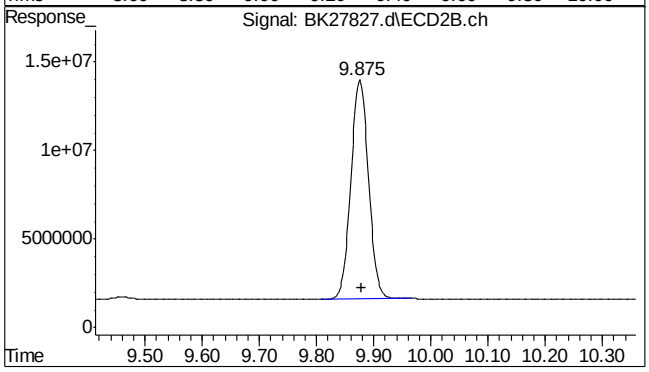
#1 TCMX

R.T.: 2.371 min
Delta R.T.: 0.003 min
Response: 314283440
Conc: 42.15 ppb m



#13 DCB

R.T.: 9.248 min
Delta R.T.: -0.007 min
Response: 11083981867
Conc: 32.66 ppb m



#13 DCB

R.T.: 9.876 min
Delta R.T.: -0.002 min
Response: 264992432
Conc: 32.56 ppb

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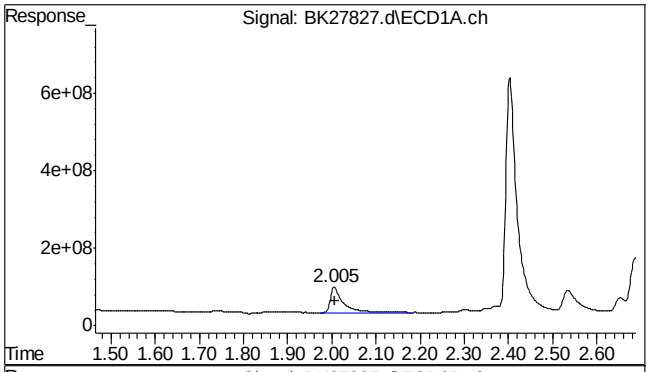
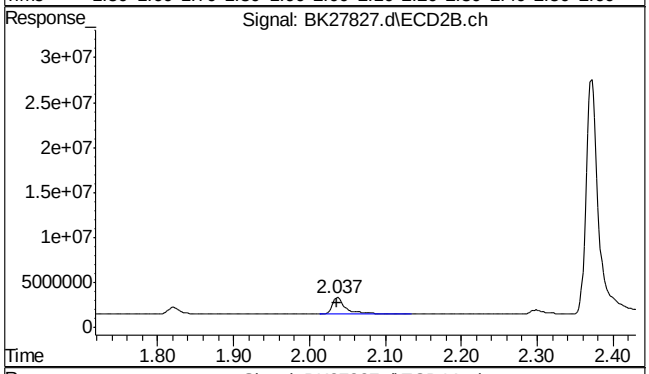


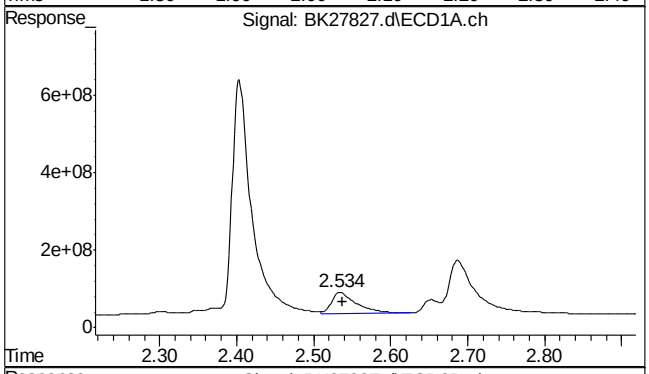
#14 AR1221-A

R.T.: 2.005 min
Delta R.T.: -0.001 min
Response: 1320567934
Conc: 612.61 ppb m



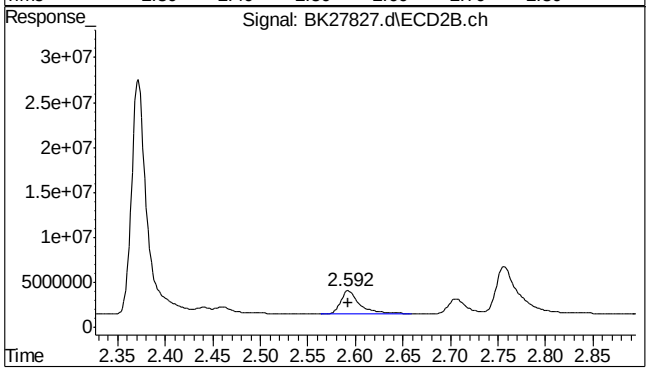
#14 AR1221-A

R.T.: 2.037 min
Delta R.T.: 0.000 min
Response: 23518835
Conc: 512.79 ppb m



#15 AR1221-B

R.T.: 2.534 min
Delta R.T.: -0.003 min
Response: 1216360613
Conc: 520.83 ppb m



#15 AR1221-B

R.T.: 2.592 min
Delta R.T.: 0.000 min
Response: 36376741
Conc: 505.63 ppb m

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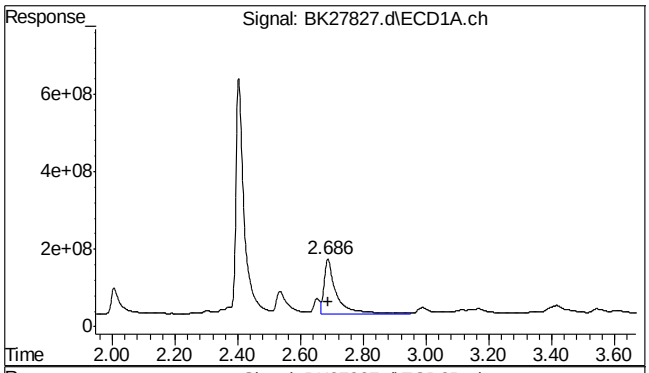
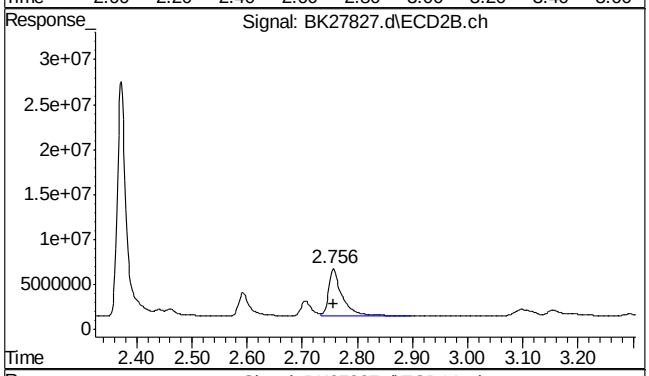


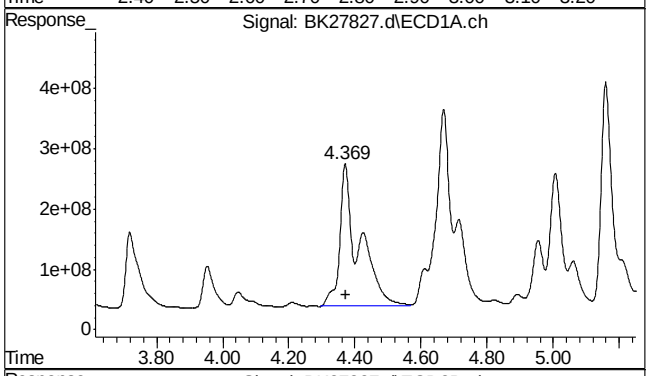
#16 AR1221-C

R.T.: 2.687 min
Delta R.T.: -0.002 min
Response: 3800594666
Conc: 545.60 ppb



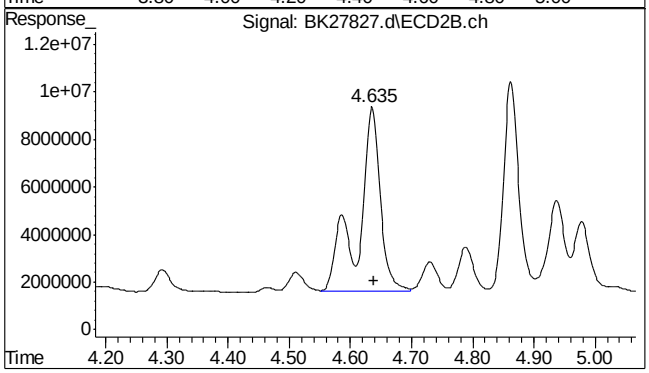
#16 AR1221-C

R.T.: 2.756 min
Delta R.T.: -0.001 min
Response: 88121431
Conc: 488.79 ppb m



#32 AR1254-A

R.T.: 4.369 min
Delta R.T.: -0.005 min
Response: 9519404022
Conc: 540.64 ppb m



#32 AR1254-A

R.T.: 4.635 min
Delta R.T.: -0.003 min
Response: 195382859
Conc: 606.99 ppb m

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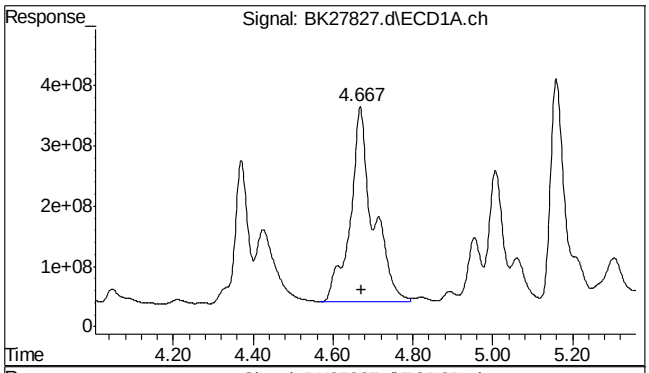
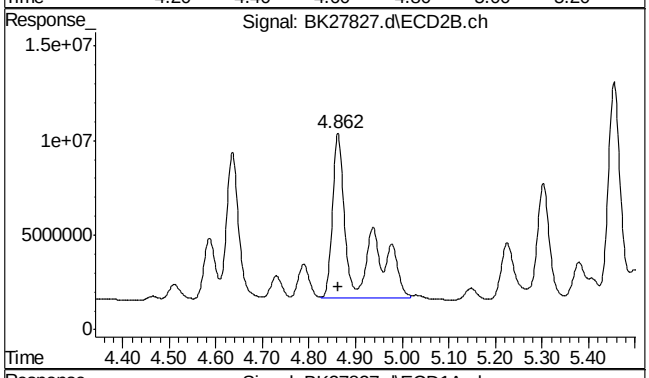


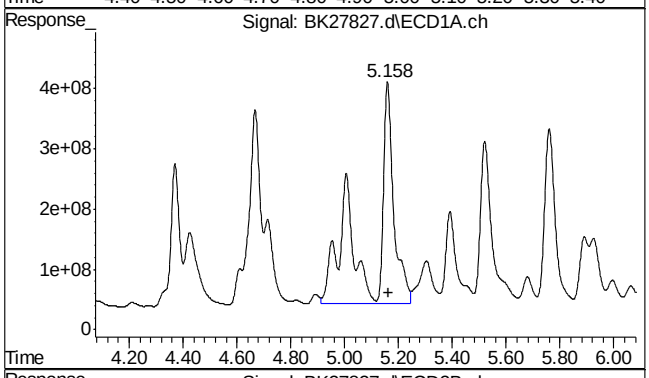
#33 AR1254-B

R.T.: 4.667 min
Delta R.T.: -0.006 min
Response: 12872114303
Conc: 494.47 ppb m



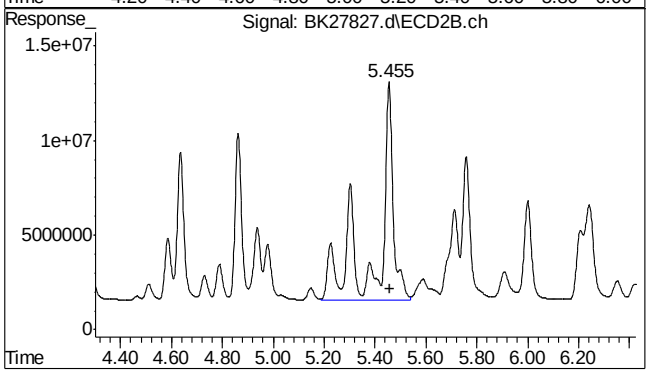
#33 AR1254-B

R.T.: 4.862 min
Delta R.T.: -0.001 min
Response: 272671429
Conc: 486.86 ppb m



#34 AR1254-C

R.T.: 5.158 min
Delta R.T.: -0.007 min
Response: 18757397889
Conc: 534.55 ppb m



#34 AR1254-C

R.T.: 5.455 min
Delta R.T.: -0.001 min
Response: 463126380
Conc: 490.24 ppb m

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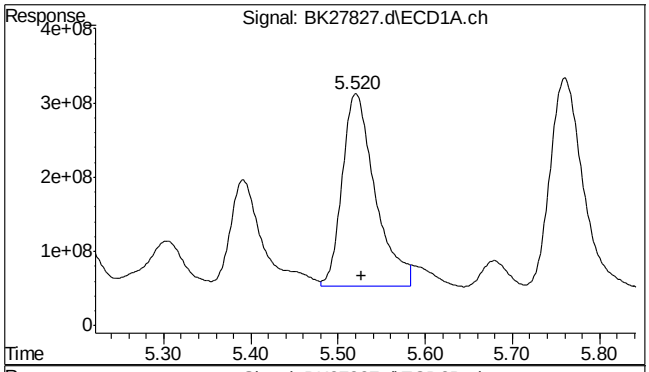
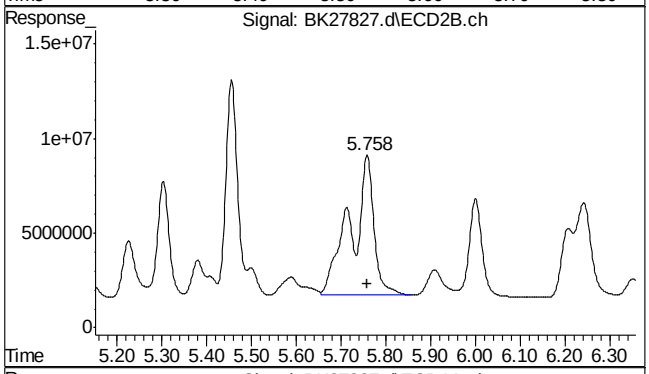


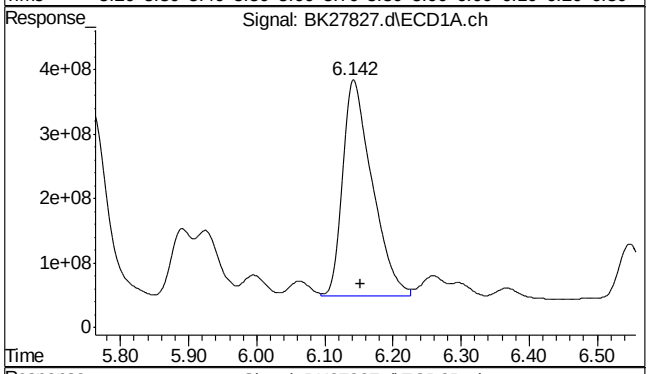
#35 AR1254-D

R.T.: 5.520 min
Delta R.T.: -0.007 min
Response: 6784405679
Conc: 555.64 ppb m



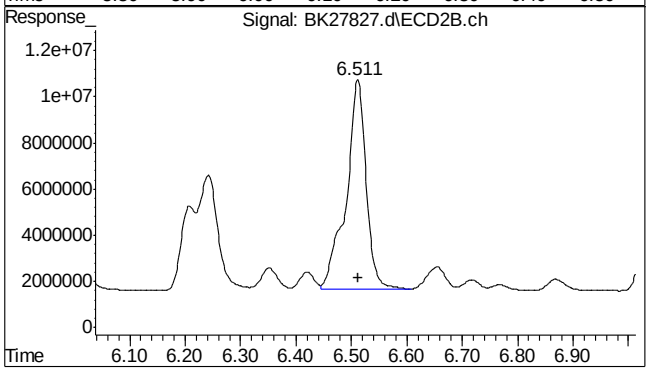
#35 AR1254-D

R.T.: 5.758 min
Delta R.T.: -0.002 min
Response: 263404551
Conc: 488.24 ppb m



#36 AR1254-E

R.T.: 6.142 min
Delta R.T.: -0.010 min
Response: 10191762923
Conc: 570.87 ppb m



#36 AR1254-E

R.T.: 6.511 min
Delta R.T.: -0.002 min
Response: 226251760
Conc: 480.45 ppb m

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Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27828.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 10:42 am
Operator : nickk
Sample : ic949-500,a32/62
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:14:59 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:11:47 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.402	2.371	10625.1E6	336.1E6	42.209m	46.441
	Spiked Amount 40.000			Recovery	= 105.52%	116.10%	
13) s	DCB	9.250	9.876	14891.9E6	356.8E6	51.223m	51.712m
	Spiked Amount 40.000			Recovery	= 128.06%	129.28%	
	Target Compounds						
17)	AR1232-A	2.686f	2.756f	2519.5E6	70186744	455.190m	545.815m
18)	AR1232-B	2.983f	3.099f	2060.6E6	59976952	392.415m	474.305m
19)	AR1232-C	3.413f	3.528f	5028.3E6	126.8E6	457.173m	606.040m#
20)	AR1232-D	3.743f	3.860f	2784.2E6	78650431	419.459m	566.697m#
21)	AR1232-E	4.453f	4.639f	4224.9E6	127.7E6	449.376m	604.829m#
37)	AR1262-A	5.391f	5.714f	5347.6E6	137.3E6	438.395m	589.796m#
38)	AR1262-B	5.757f	6.000f	12227.6E6	146.4E6	452.258m	593.840m#
39)	AR1262-C	6.300f	6.640f	24794.1E6	486.6E6	425.940m	610.490m#
40)	AR1262-D	7.583f	8.010f	25520.6E6	518.2E6	482.325m	661.443m#
41)	AR1262-E	8.490f	8.936f	7111.1E6	167.6E6	519.939m	722.644m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

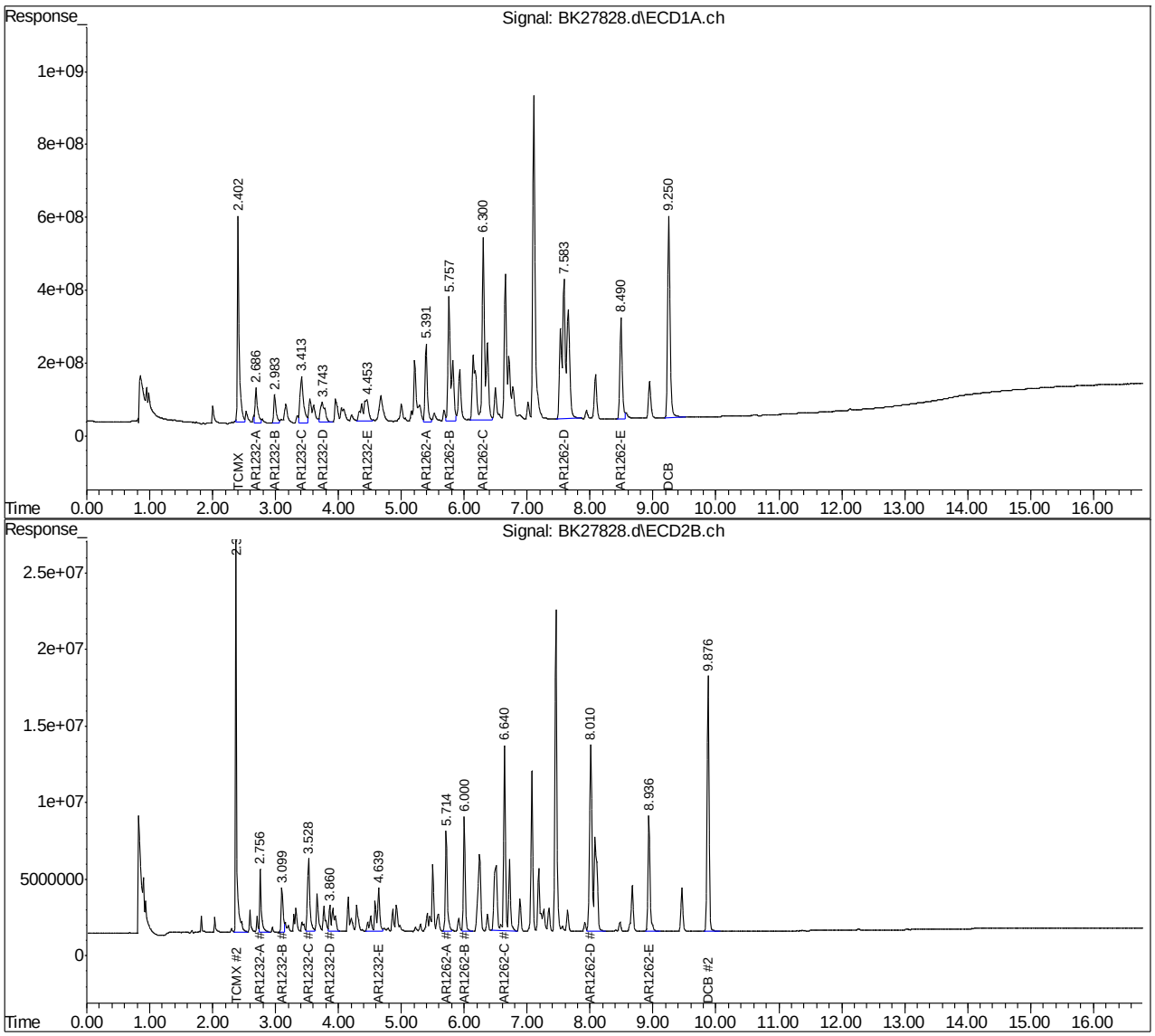
11.6.21
11

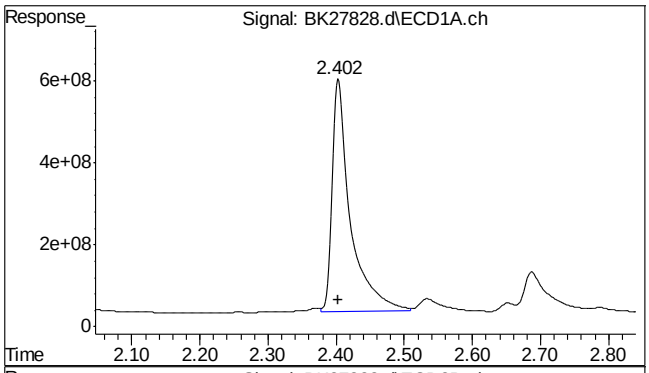
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27828.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 10:42 am
Operator : nickk
Sample : ic949-500,a32/62
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:14:59 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:11:47 2013
Response via : Initial Calibration
Integrator: ChemStation

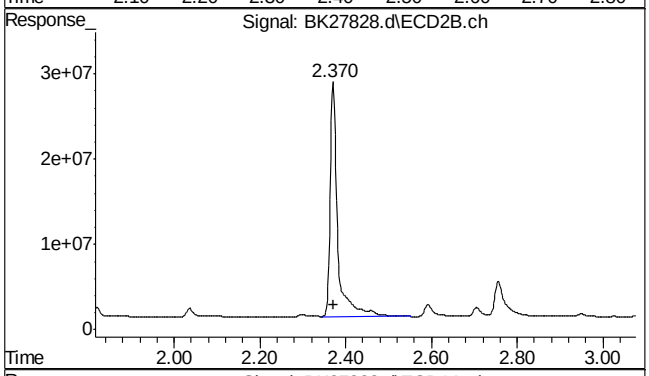
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





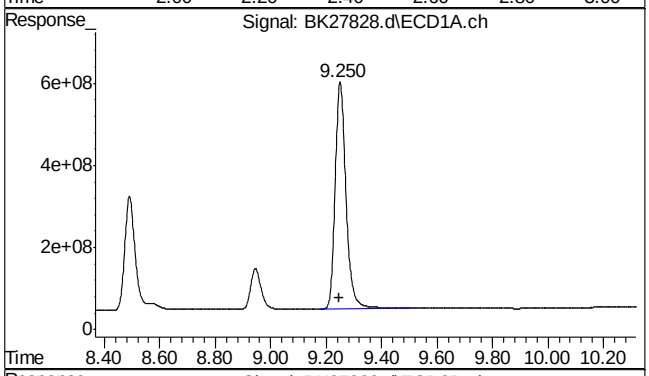
#1 TCMX

R.T.: 2.402 min
Delta R.T.: 0.000 min
Response: 10625120381
Conc: 42.21 ppb m



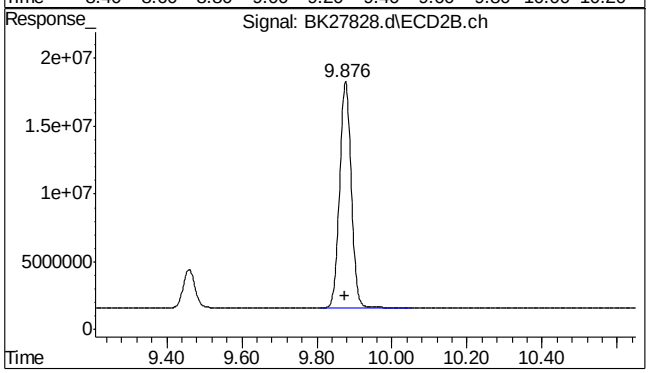
#1 TCMX

R.T.: 2.371 min
Delta R.T.: 0.000 min
Response: 336141816
Conc: 46.44 ppb



#13 DCB

R.T.: 9.250 min
Delta R.T.: 0.002 min
Response: 14891907187
Conc: 51.22 ppb m



#13 DCB

R.T.: 9.876 min
Delta R.T.: 0.000 min
Response: 356820418
Conc: 51.71 ppb m

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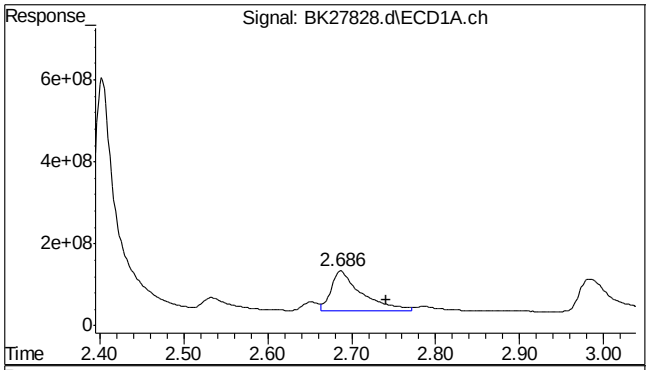
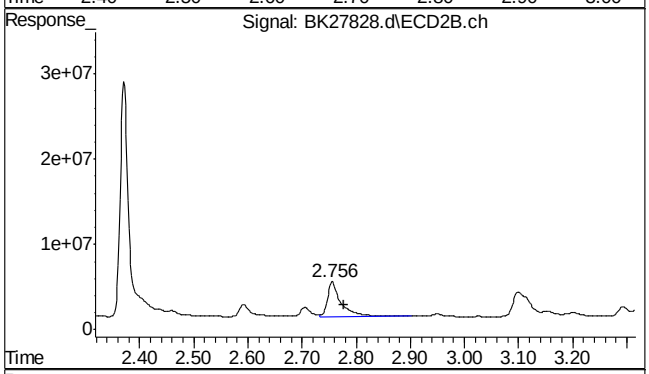


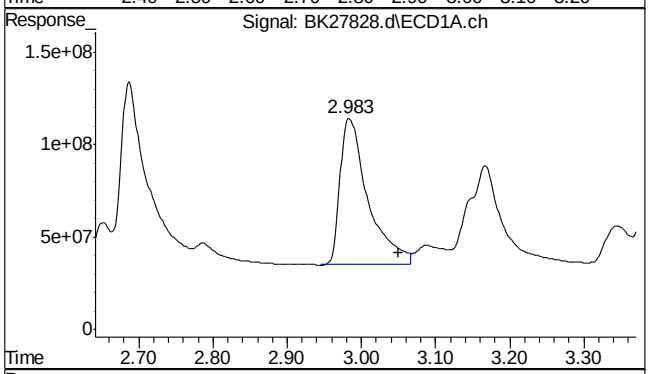
#17 AR1232-A

R.T.: 2.686 min
Delta R.T.: -0.056 min
Response: 2519467315
Conc: 455.19 ppb m



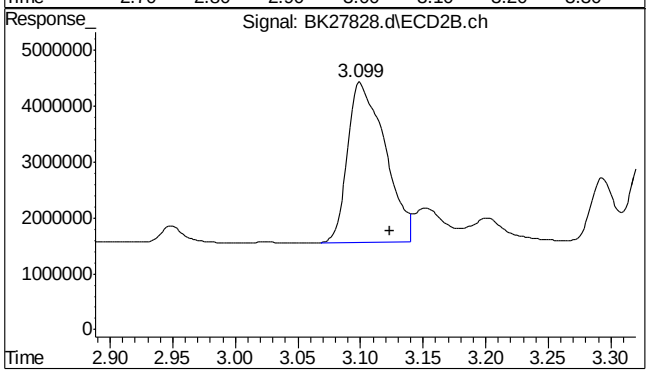
#17 AR1232-A

R.T.: 2.756 min
Delta R.T.: -0.022 min
Response: 70186744
Conc: 545.81 ppb m



#18 AR1232-B

R.T.: 2.983 min
Delta R.T.: -0.067 min
Response: 2060569969
Conc: 392.41 ppb m



#18 AR1232-B

R.T.: 3.099 min
Delta R.T.: -0.024 min
Response: 59976952
Conc: 474.31 ppb m

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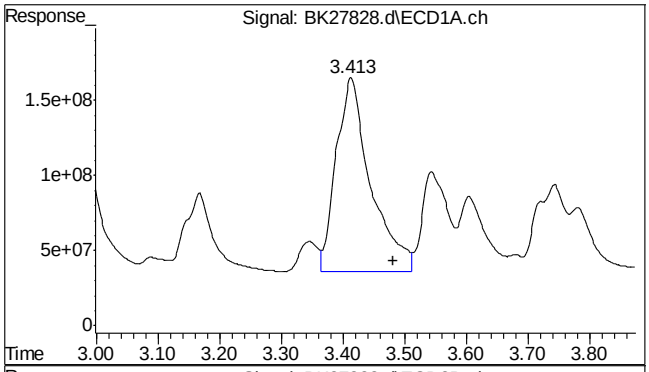
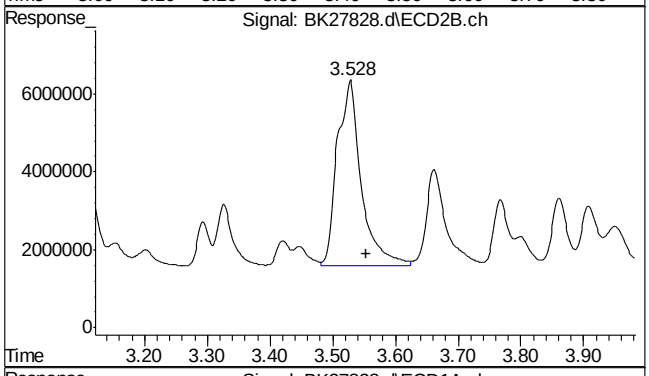


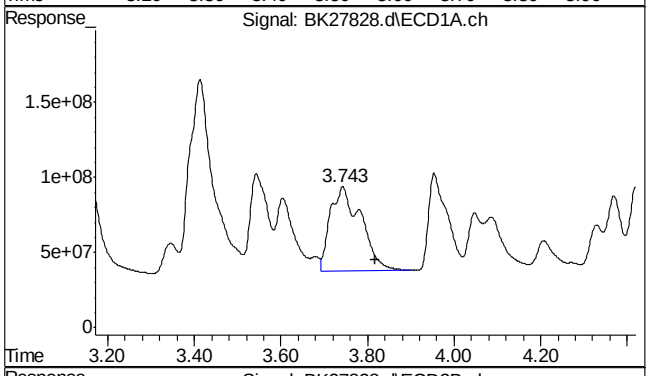
#19 AR1232-C

R.T.: 3.413 min
Delta R.T.: -0.068 min
Response: 5028332339
Conc: 457.17 ppb m



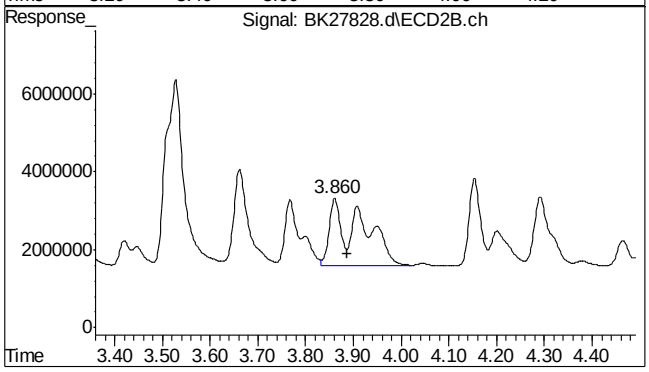
#19 AR1232-C

R.T.: 3.528 min
Delta R.T.: -0.025 min
Response: 126812689
Conc: 606.04 ppb m



#20 AR1232-D

R.T.: 3.743 min
Delta R.T.: -0.075 min
Response: 2784163286
Conc: 419.46 ppb m



#20 AR1232-D

R.T.: 3.860 min
Delta R.T.: -0.027 min
Response: 78650431
Conc: 566.70 ppb m

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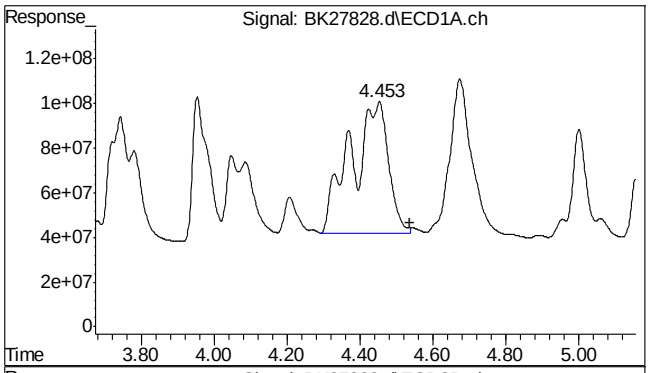
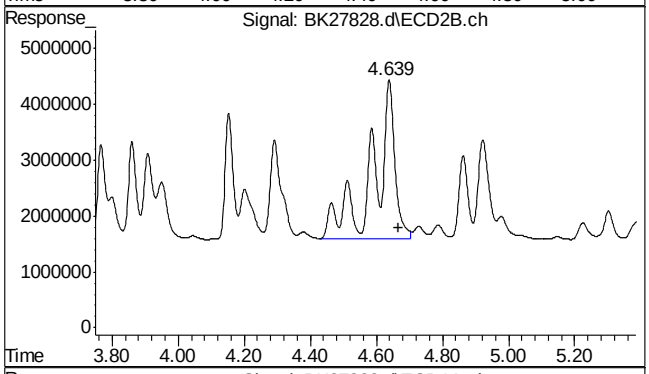


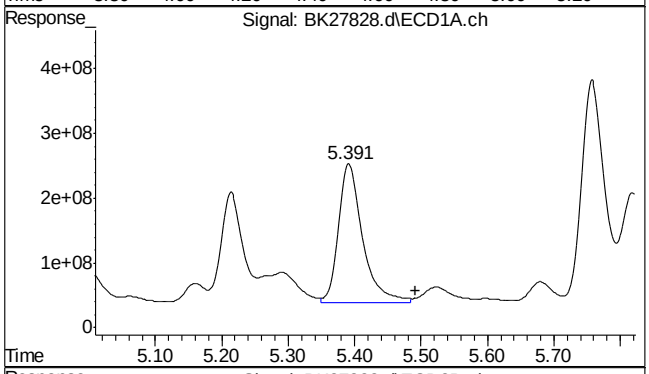
#21 AR1232-E

R.T.: 4.453 min
Delta R.T.: -0.084 min
Response: 4224936794
Conc: 449.38 ppb m



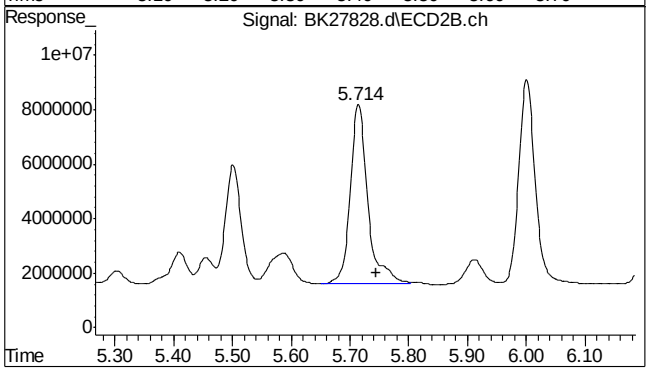
#21 AR1232-E

R.T.: 4.639 min
Delta R.T.: -0.030 min
Response: 127686104
Conc: 604.83 ppb m



#37 AR1262-A

R.T.: 5.391 min
Delta R.T.: -0.100 min
Response: 5347580319
Conc: 438.40 ppb m



#37 AR1262-A

R.T.: 5.714 min
Delta R.T.: -0.030 min
Response: 137330070
Conc: 589.80 ppb m

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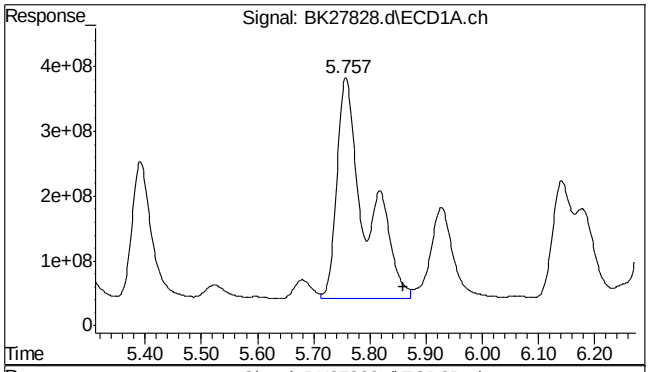
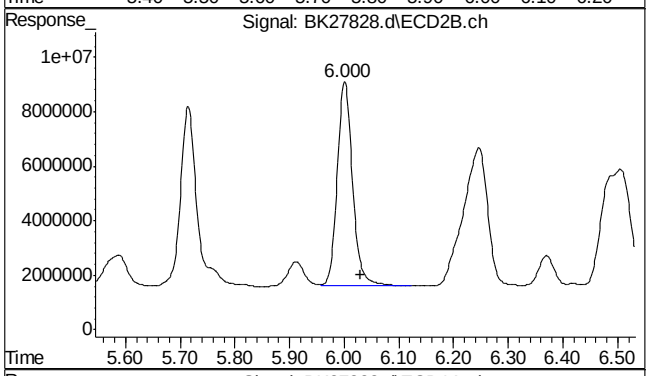


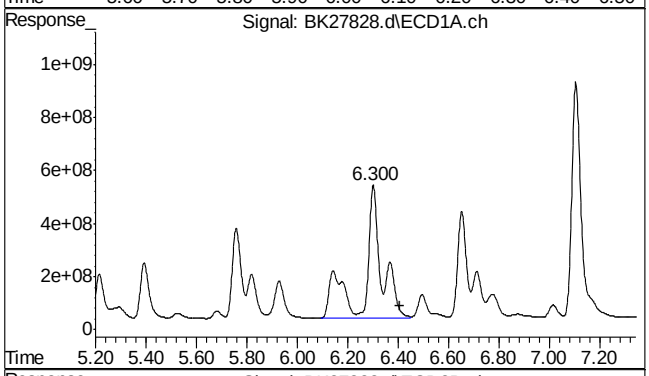
#38 AR1262-B

R.T.: 5.757 min
Delta R.T.: -0.103 min
Response: 12227609857
Conc: 452.26 ppb m



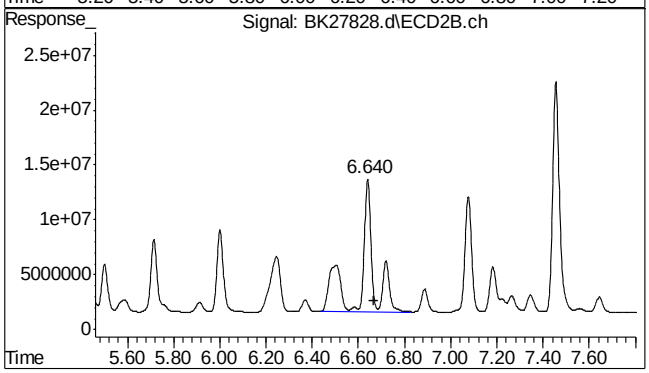
#38 AR1262-B

R.T.: 6.000 min
Delta R.T.: -0.030 min
Response: 146446816
Conc: 593.84 ppb m



#39 AR1262-C

R.T.: 6.300 min
Delta R.T.: -0.108 min
Response: 24794129989
Conc: 425.94 ppb m



#39 AR1262-C

R.T.: 6.640 min
Delta R.T.: -0.030 min
Response: 486575157
Conc: 610.49 ppb m

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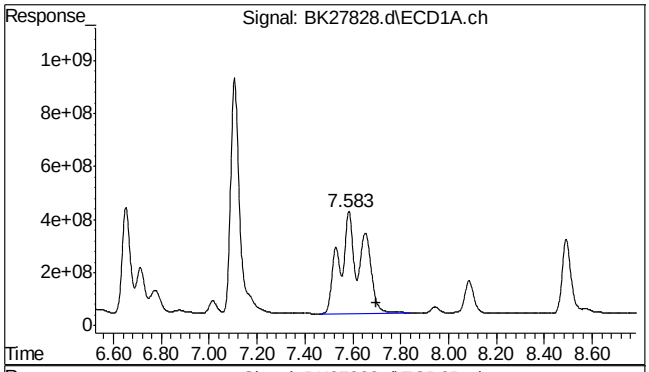
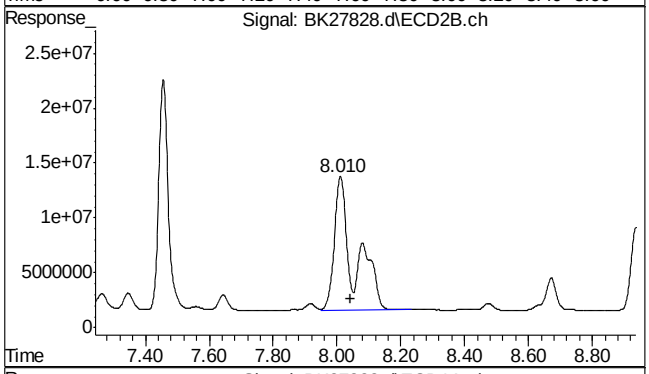


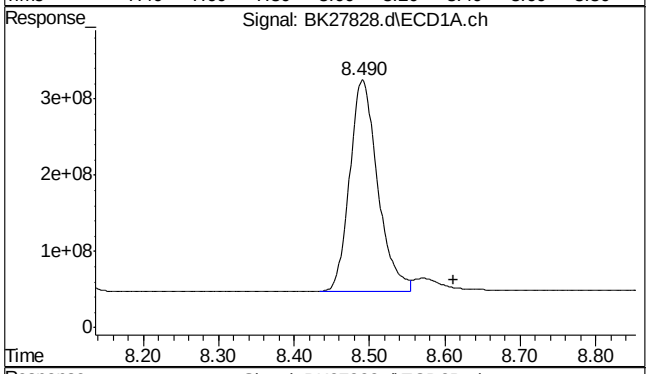
#40 AR1262-D

R.T.: 7.583 min
Delta R.T.: -0.117 min
Response: 25520606739
Conc: 482.32 ppb m



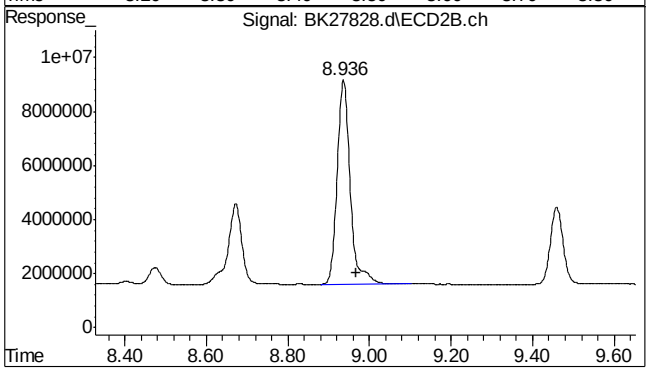
#40 AR1262-D

R.T.: 8.010 min
Delta R.T.: -0.032 min
Response: 518224486
Conc: 661.44 ppb m



#41 AR1262-E

R.T.: 8.490 min
Delta R.T.: -0.122 min
Response: 7111102365
Conc: 519.94 ppb m



#41 AR1262-E

R.T.: 8.936 min
Delta R.T.: -0.032 min
Response: 167553864
Conc: 722.64 ppb m

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Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27829.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 11:01 am
Operator : nickk
Sample : ic949-500,a42/68
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:20:45 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:15:03 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.369	2.369	10507.7E6	304.3E6	41.874m	41.604
	Spiked Amount 40.000			Recovery	= 104.69%	104.01%	
13) s	DCB	9.249	9.877	22699.4E6	555.4E6	74.517m	77.795
	Spiked Amount 40.000			Recovery	= 186.29%	194.49%	
	Target Compounds						
22)	AR1242-A	2.685	2.754	2105.8E6	64283161	462.764m	445.041
23)	AR1242-B	2.986	3.099	4867.7E6	135.5E6	518.228	431.640
24)	AR1242-C	3.413	3.527	11276.8E6	269.2E6	483.733	432.430m
25)	AR1242-D	3.742	3.860	7337.6E6	186.2E6	526.047m	437.049m
26)	AR1242-E	4.452	4.642	9345.8E6	271.4E6	517.458m	470.470m
42)	AR1268-A	6.302	6.641	4314.9E6	83251266	562.603m	442.723m
43)	AR1268-B	6.647	7.079	6185.3E6	121.7E6	470.091m	433.599m
44)	AR1268-C	7.584	8.007	46724.9E6	1002.4E6	477.811m	446.132m
45)	AR1268-D	7.943	8.475	19696.6E6	424.7E6	461.259m	437.756m
46)	AR1268-E	8.944	9.460	54822.0E6	1362.9E6	496.954m	467.963m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

11.6.22
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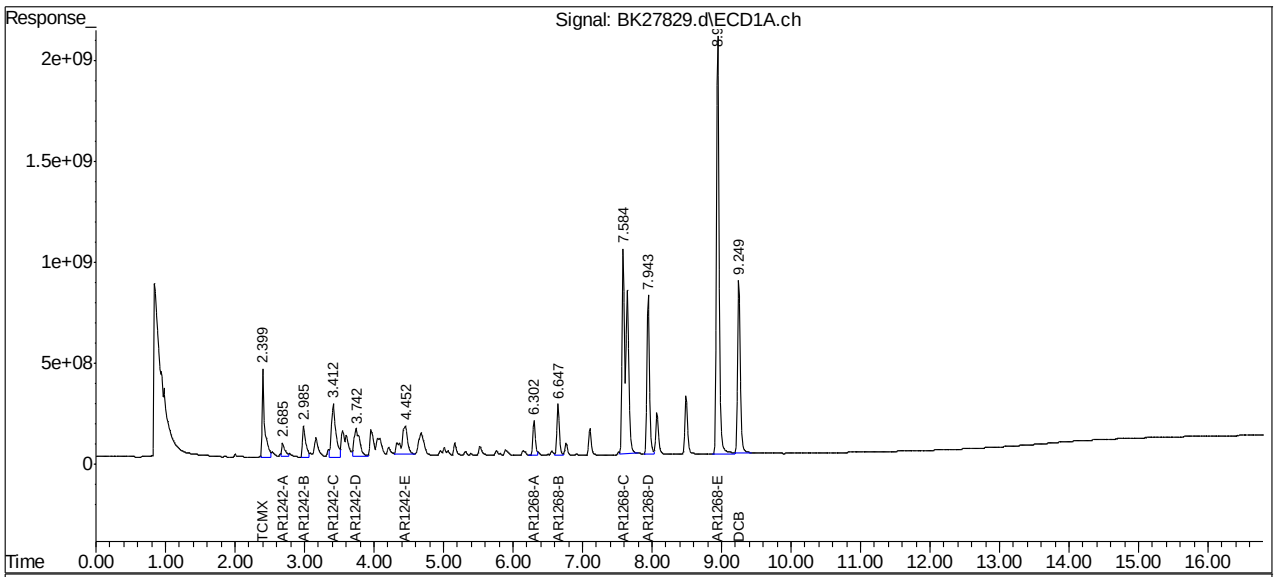
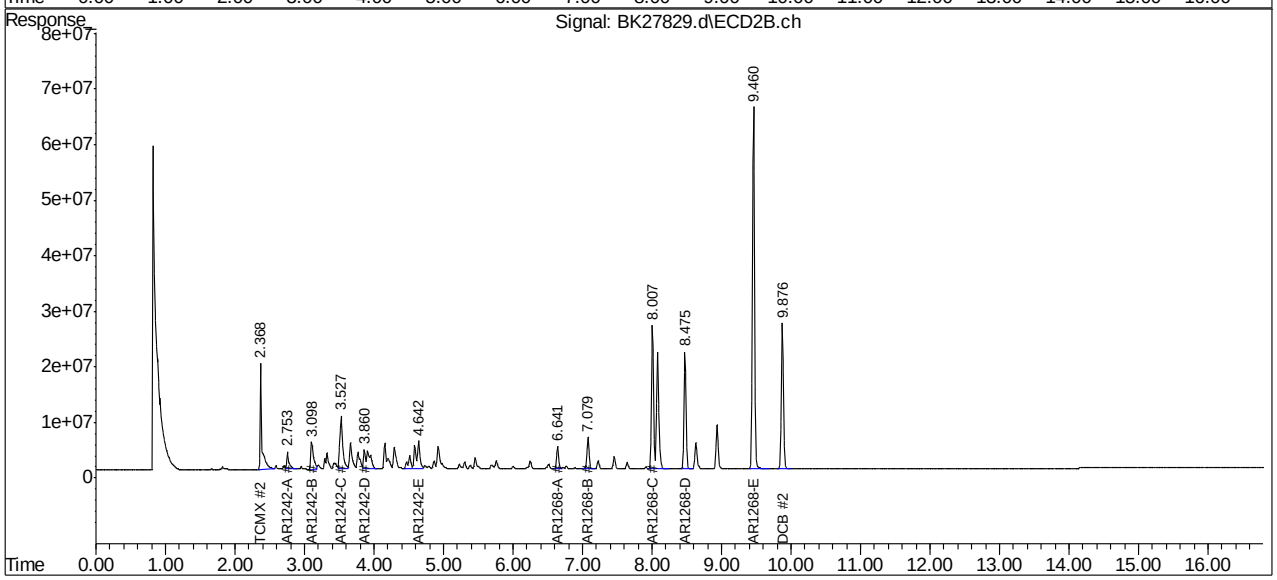
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27829.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 11:01 am
Operator : nickk
Sample : ic949-500,a42/68
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:20:45 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:15:03 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





11.6.22 11
1004 of 1198
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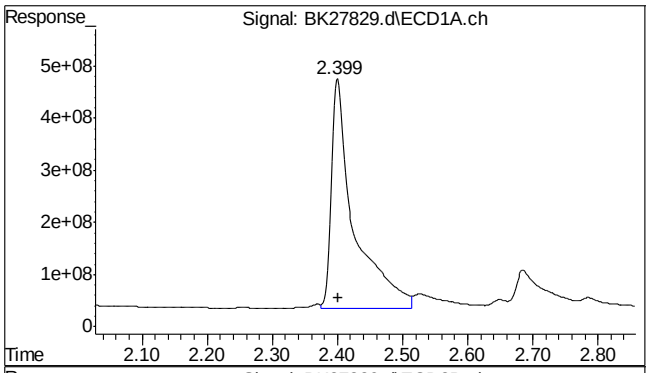
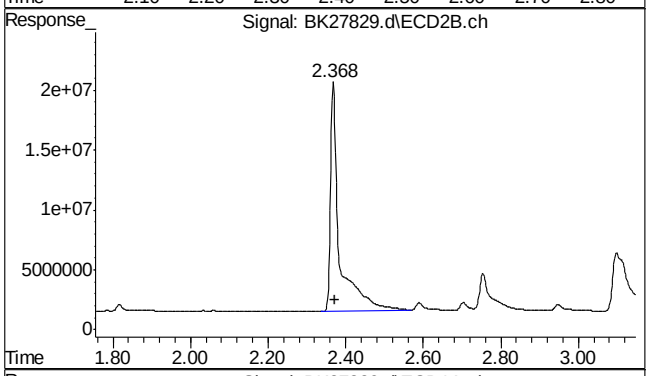


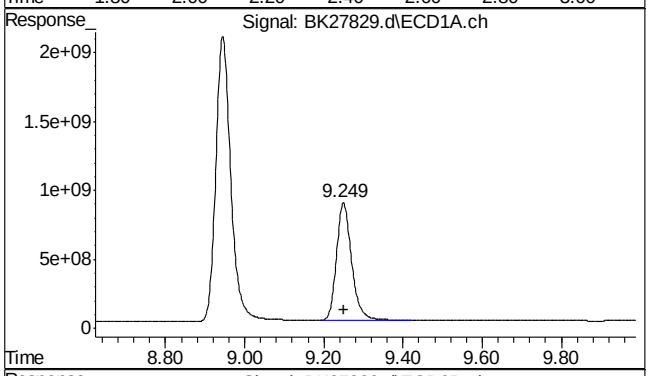
#1 TCMX

R.T.: 2.399 min
Delta R.T.: -0.003 min
Response: 10507701869
Conc: 41.87 ppb m



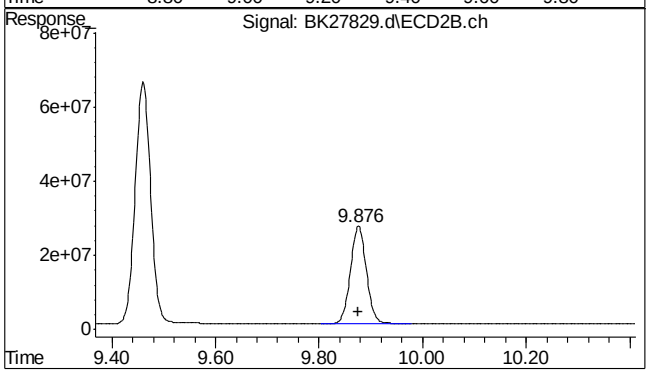
#1 TCMX

R.T.: 2.369 min
Delta R.T.: -0.003 min
Response: 304287487
Conc: 41.60 ppb



#13 DCB

R.T.: 9.249 min
Delta R.T.: 0.000 min
Response: 22699432182
Conc: 74.52 ppb m



#13 DCB

R.T.: 9.877 min
Delta R.T.: 0.000 min
Response: 555372140
Conc: 77.80 ppb

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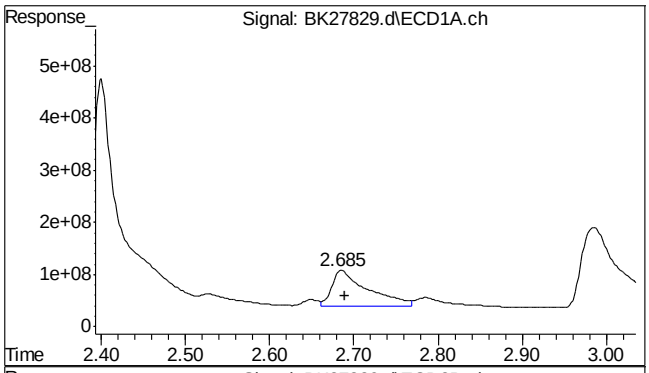
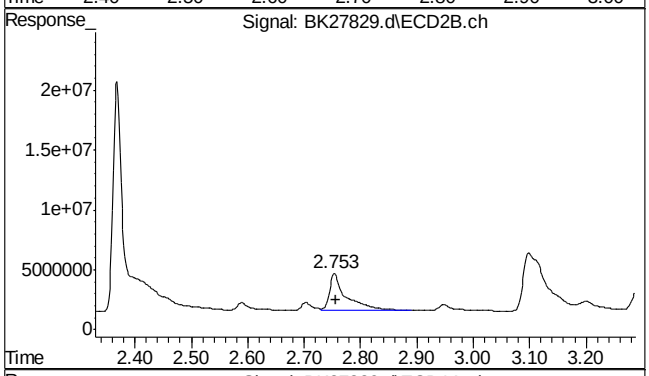


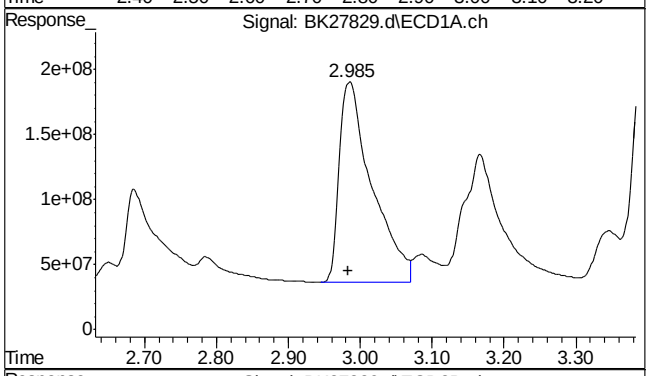
#22 AR1242-A

R.T.: 2.685 min
Delta R.T.: -0.005 min
Response: 2105792987
Conc: 462.76 ppb m



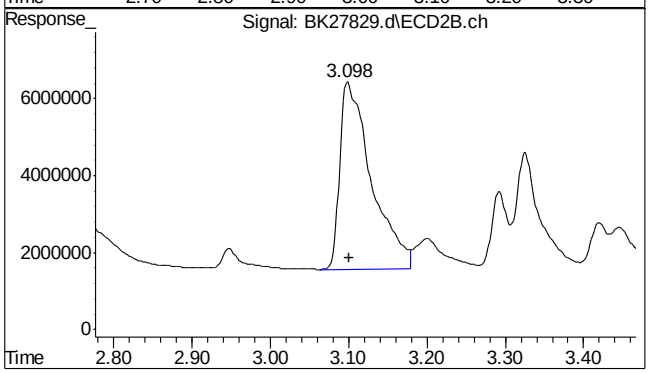
#22 AR1242-A

R.T.: 2.754 min
Delta R.T.: -0.002 min
Response: 64283161
Conc: 445.04 ppb



#23 AR1242-B

R.T.: 2.986 min
Delta R.T.: 0.002 min
Response: 4867743560
Conc: 518.23 ppb



#23 AR1242-B

R.T.: 3.099 min
Delta R.T.: -0.002 min
Response: 135456485
Conc: 431.64 ppb

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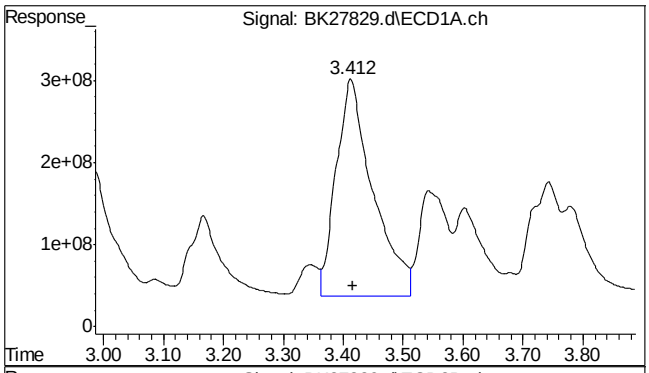
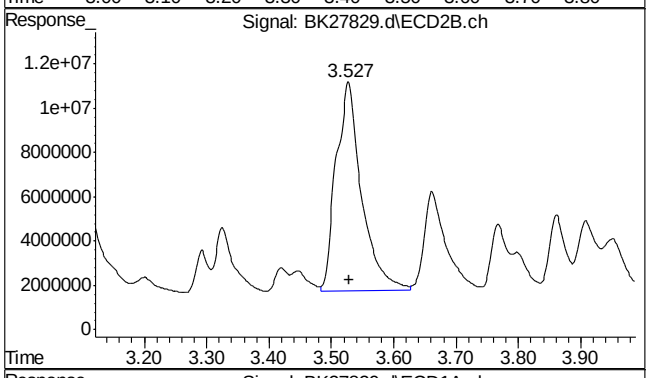


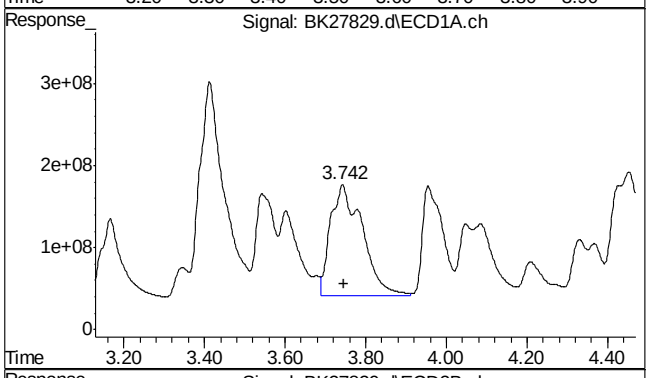
#24 AR1242-C

R.T.: 3.413 min
Delta R.T.: -0.003 min
Response: 11276808061
Conc: 483.73 ppb



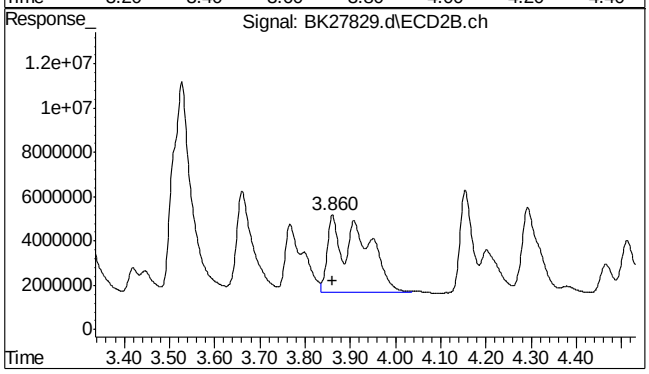
#24 AR1242-C

R.T.: 3.527 min
Delta R.T.: -0.002 min
Response: 269229669
Conc: 432.43 ppb m



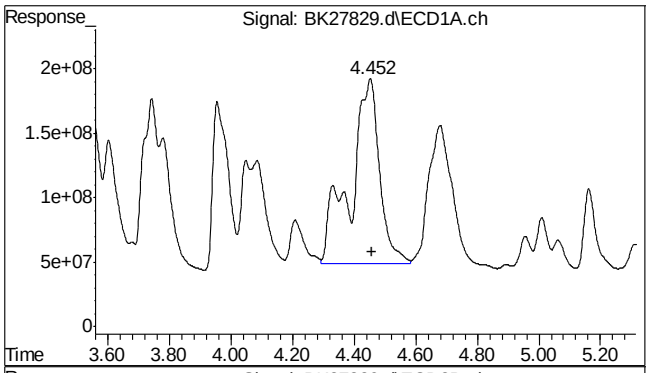
#25 AR1242-D

R.T.: 3.742 min
Delta R.T.: -0.005 min
Response: 7337608740
Conc: 526.05 ppb m



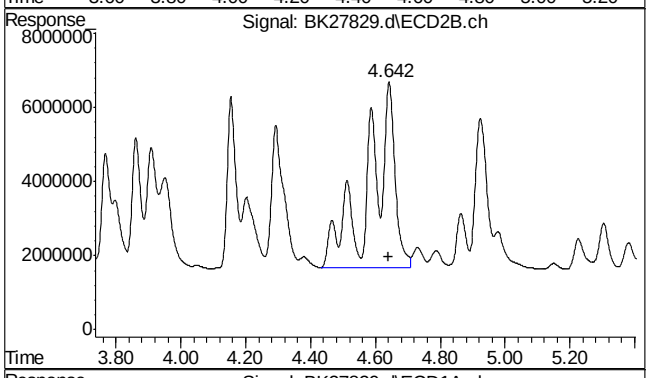
#25 AR1242-D

R.T.: 3.860 min
Delta R.T.: 0.000 min
Response: 186176114
Conc: 437.05 ppb m



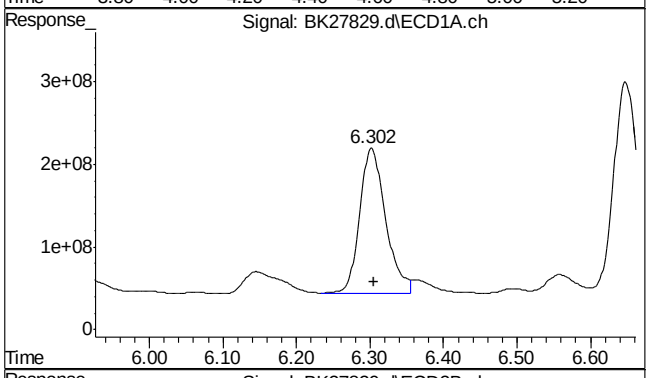
#26 AR1242-E

R.T.: 4.452 min
Delta R.T.: -0.006 min
Response: 9345815963
Conc: 517.46 ppb m



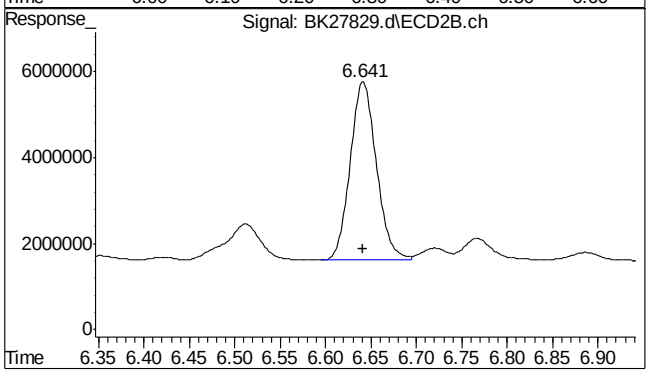
#26 AR1242-E

R.T.: 4.642 min
Delta R.T.: 0.000 min
Response: 271421037
Conc: 470.47 ppb m



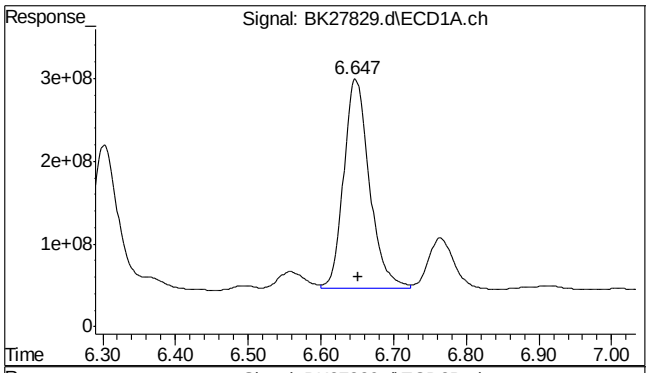
#42 AR1268-A

R.T.: 6.302 min
Delta R.T.: -0.003 min
Response: 4314850044
Conc: 562.60 ppb m



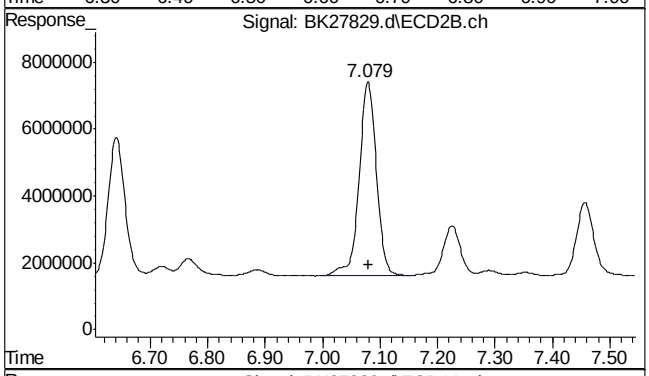
#42 AR1268-A

R.T.: 6.641 min
Delta R.T.: 0.000 min
Response: 83251266
Conc: 442.72 ppb m



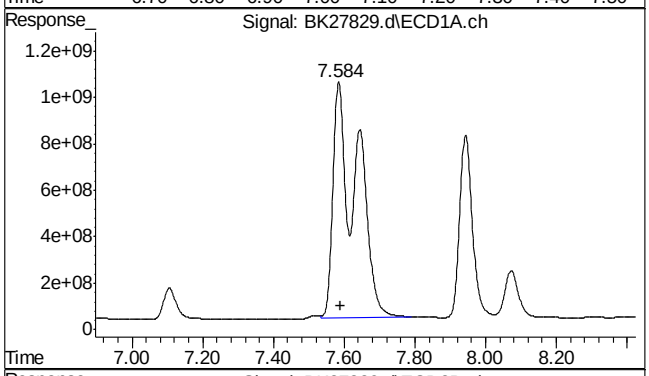
#43 AR1268-B

R.T.: 6.647 min
Delta R.T.: -0.004 min
Response: 6185265604
Conc: 470.09 ppb m



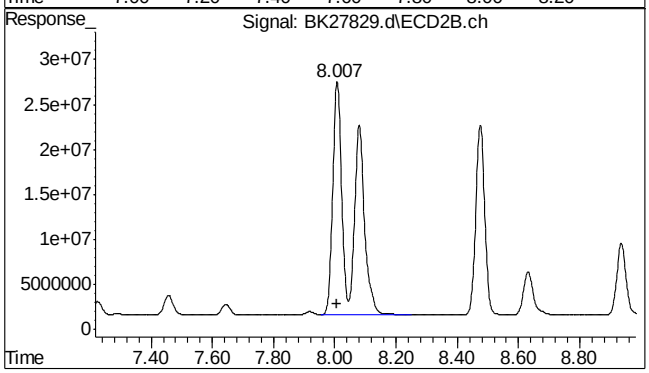
#43 AR1268-B

R.T.: 7.079 min
Delta R.T.: -0.001 min
Response: 121737477
Conc: 433.60 ppb m



#44 AR1268-C

R.T.: 7.584 min
Delta R.T.: -0.005 min
Response: 46724880209
Conc: 477.81 ppb m



#44 AR1268-C

R.T.: 8.007 min
Delta R.T.: 0.000 min
Response: 1002366767
Conc: 446.13 ppb m

11.6.22
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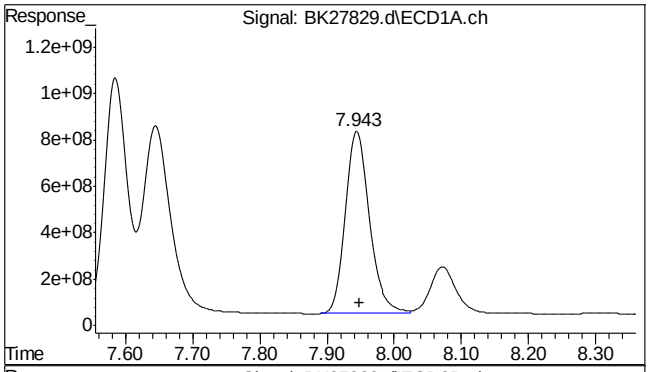
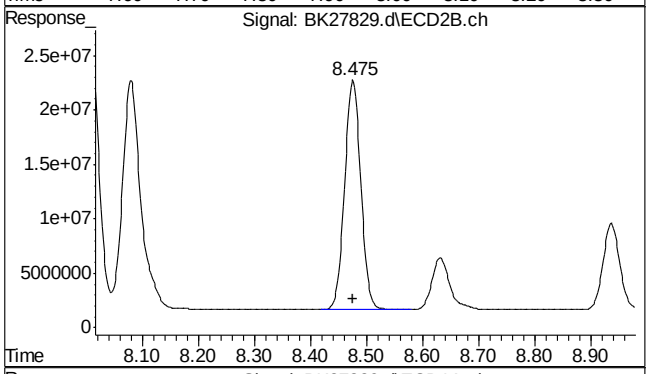


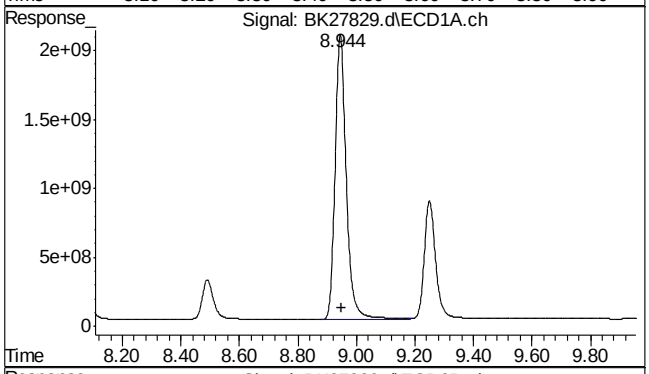
#45 AR1268-D

R.T.: 7.943 min
Delta R.T.: -0.005 min
Response: 19696640173
Conc: 461.26 ppb m



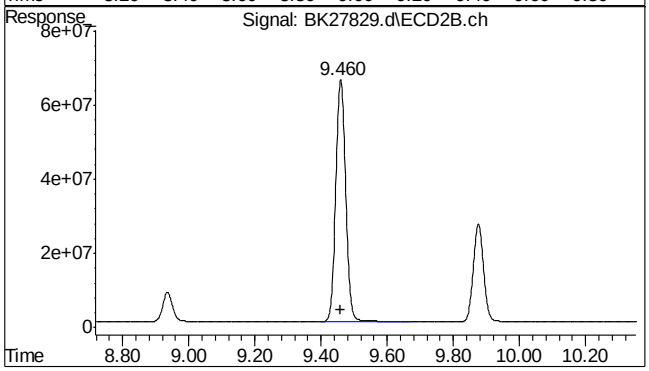
#45 AR1268-D

R.T.: 8.475 min
Delta R.T.: -0.001 min
Response: 424725151
Conc: 437.76 ppb m



#46 AR1268-E

R.T.: 8.944 min
Delta R.T.: -0.005 min
Response: 54821993369
Conc: 496.95 ppb m



#46 AR1268-E

R.T.: 9.460 min
Delta R.T.: 0.000 min
Response: 1362861944
Conc: 467.96 ppb m

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Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27830.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 11:20 am
Operator : nickk
Sample : ic949-500,a1248
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:39:35 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:20:55 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.401	2.371	14028.9E6	390.6E6	55.997m	54.222
	Spiked Amount 40.000			Recovery	= 139.99%	135.56%	
13) s	DCB	9.249	9.876	16478.0E6	396.3E6	43.015m	42.956m
	Spiked Amount 40.000			Recovery	= 107.54%	107.39%	
	Target Compounds						
27)	AR1248-A	2.984	3.099	2166.5E6	62323676	394.231	359.607m
28)	AR1248-B	3.412	3.527	6437.5E6	155.0E6	438.581	374.751m
29)	AR1248-C	3.741	3.861	9424.3E6	241.3E6	404.026m	359.317m
30)	AR1248-D	3.953	4.641	11677.7E6	396.9E6	399.169m	427.838m
31)	AR1248-E	4.423	4.923	14241.8E6	233.6E6	403.078m	398.904m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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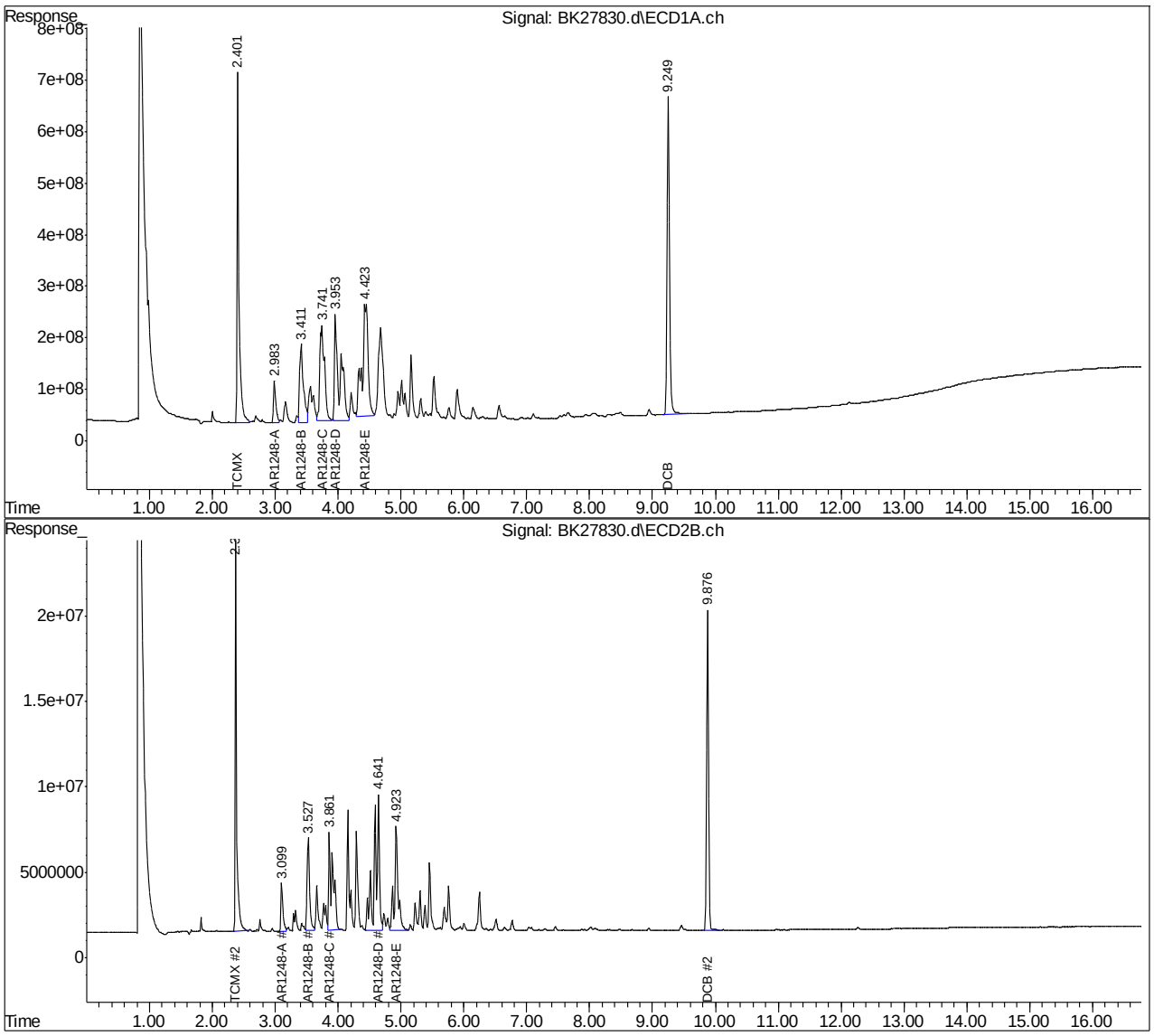
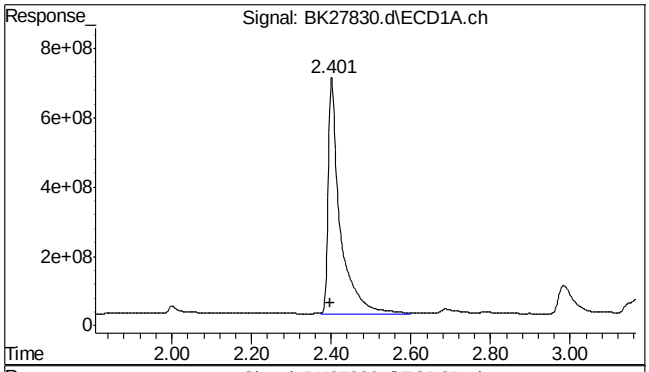
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27830.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 11:20 am
Operator : nickk
Sample : ic949-500,a1248
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:39:35 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:20:55 2013
Response via : Initial Calibration
Integrator: ChemStation

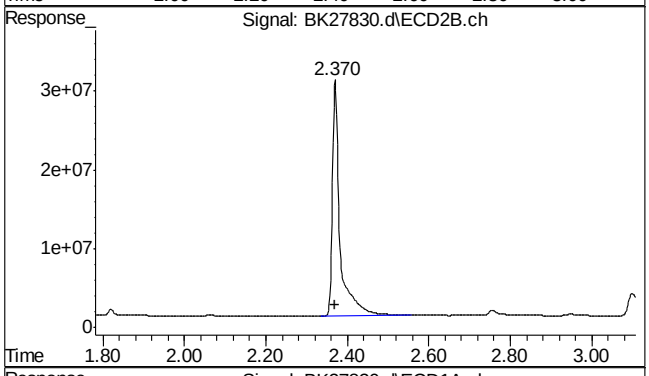
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





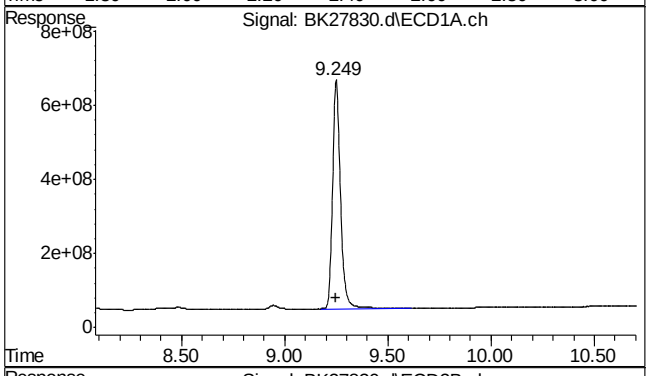
#1 TCMX

R.T.: 2.401 min
Delta R.T.: 0.002 min
Response: 14028857038
Conc: 56.00 ppb m



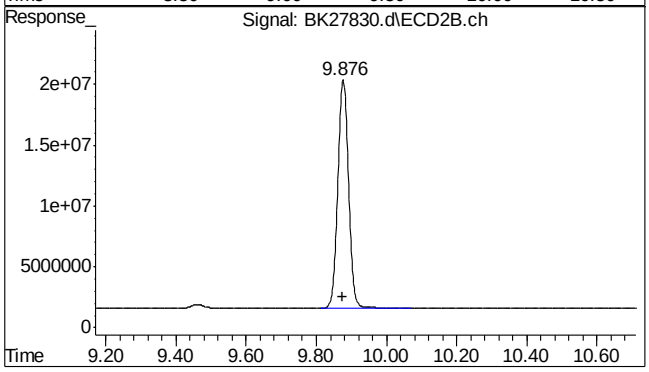
#1 TCMX

R.T.: 2.371 min
Delta R.T.: 0.002 min
Response: 390580979
Conc: 54.22 ppb



#13 DCB

R.T.: 9.249 min
Delta R.T.: 0.000 min
Response: 16477992114
Conc: 43.01 ppb m



#13 DCB

R.T.: 9.876 min
Delta R.T.: 0.000 min
Response: 396294417
Conc: 42.96 ppb m

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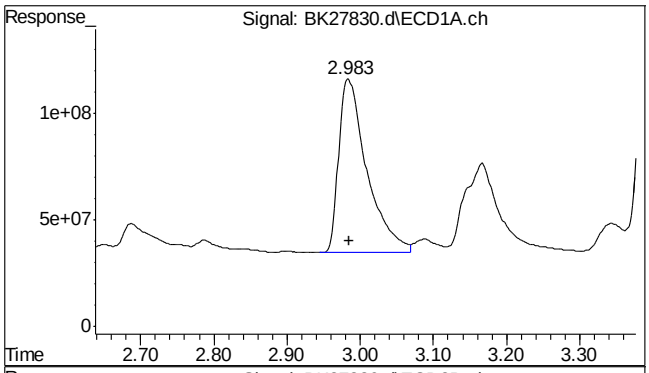
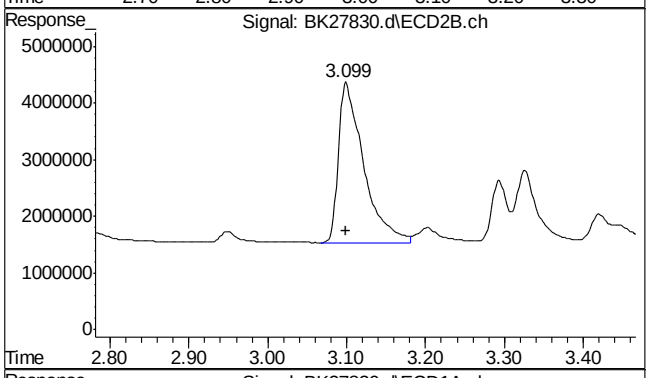


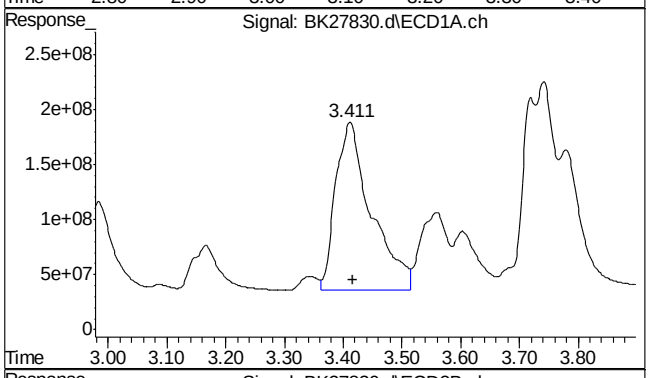
#27 AR1248-A

R.T.: 2.984 min
Delta R.T.: 0.000 min
Response: 2166515579
Conc: 394.23 ppb



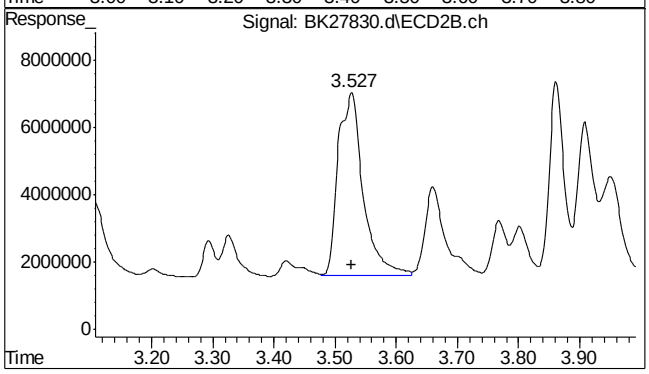
#27 AR1248-A

R.T.: 3.099 min
Delta R.T.: 0.000 min
Response: 62323676
Conc: 359.61 ppb m



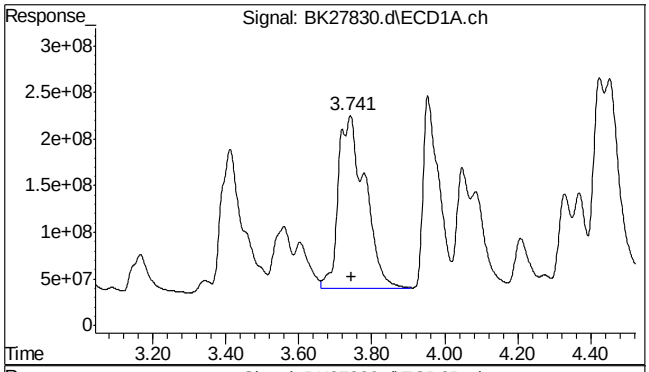
#28 AR1248-B

R.T.: 3.412 min
Delta R.T.: -0.004 min
Response: 6437525256
Conc: 438.58 ppb



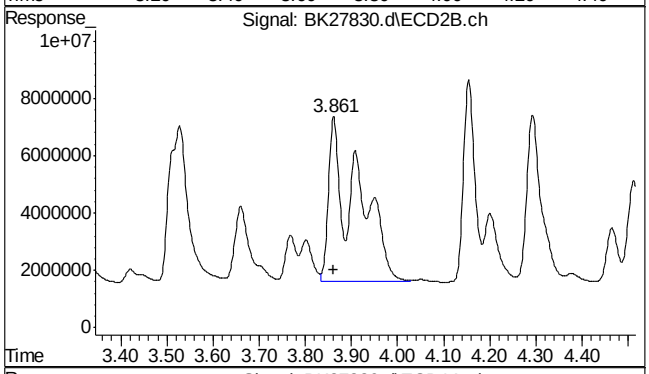
#28 AR1248-B

R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 155002292
Conc: 374.75 ppb m



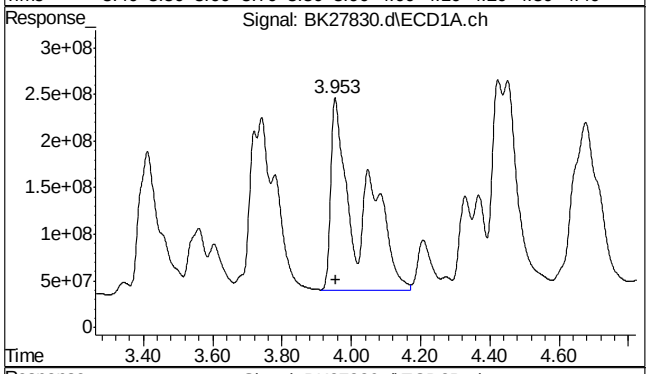
#29 AR1248-C

R.T.: 3.741 min
Delta R.T.: -0.004 min
Response: 9424254645
Conc: 404.03 ppb m



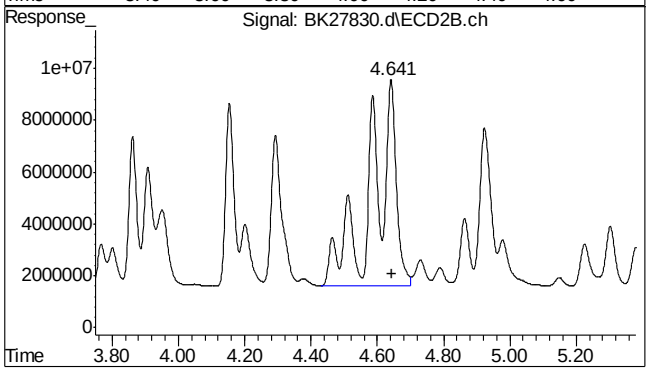
#29 AR1248-C

R.T.: 3.861 min
Delta R.T.: -0.001 min
Response: 241312401
Conc: 359.32 ppb m



#30 AR1248-D

R.T.: 3.953 min
Delta R.T.: -0.004 min
Response: 11677740625
Conc: 399.17 ppb m



#30 AR1248-D

R.T.: 4.641 min
Delta R.T.: -0.003 min
Response: 396882487
Conc: 427.84 ppb m

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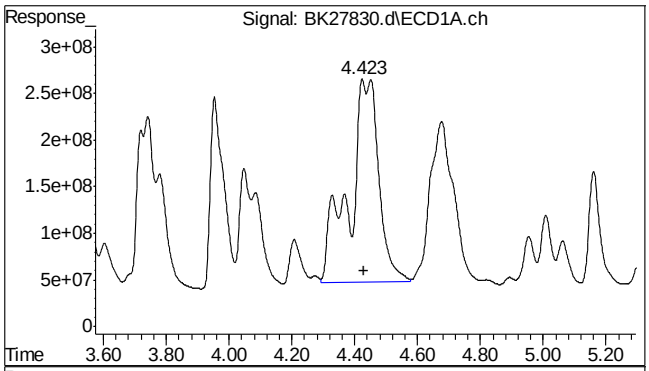
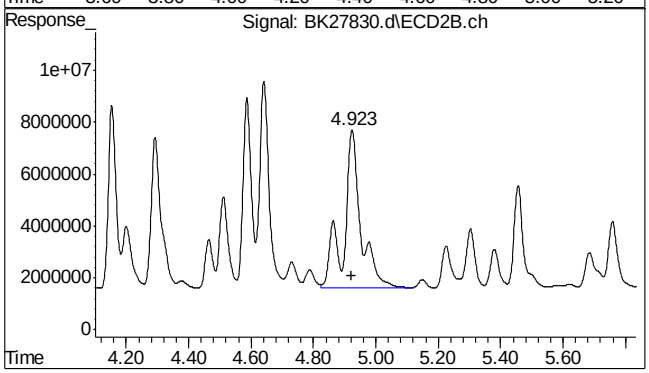


#31 AR1248-E

R.T.: 4.423 min
Delta R.T.: -0.005 min
Response: 14241827546
Conc: 403.08 ppb m



#31 AR1248-E

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 233603337
Conc: 398.90 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27831.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 11:38 am
Operator : nickk
Sample : icv949-500,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:58:44 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.401	2.370	12773.3E6	372.2E6	49.319m	49.918
	Spiked Amount 40.000			Recovery	= 123.30%	124.79%	
13) s	DCB	9.249	9.876	16254.6E6	392.6E6	49.951m	50.656m
	Spiked Amount 40.000			Recovery	= 124.88%	126.64%	
	Target Compounds						
2)	AR1016-A	2.686	2.755	2149.5E6	60468353	497.746m	483.979m
3)	AR1016-B	2.986	3.099	4725.3E6	129.4E6	483.969	481.542m
4)	AR1016-C	3.412	3.527	10846.6E6	265.6E6	502.852	511.611m
5)	AR1016-D	3.541	3.661	6635.0E6	104.4E6	500.070m	501.359m
6)	AR1016-E	3.953	4.153	4183.7E6	126.8E6	481.182m	506.610m
7)	AR1260-A	5.392	5.714	7510.7E6	180.5E6	488.169	499.932m
8)	AR1260-B	5.757	6.000	15947.9E6	214.7E6	505.439m	498.566m
9)	AR1260-C	6.141f	6.510f	27804.0E6	551.7E6	499.152m	506.972m
10)	AR1260-D	7.105	7.456	22015.6E6	416.6E6	505.530m	501.885m
11)	AR1260-E	7.529	8.019	20041.8E6	410.1E6	509.002m	508.743m
12)	AR1260-F	8.491	8.937	5136.1E6	121.1E6	533.640	526.423

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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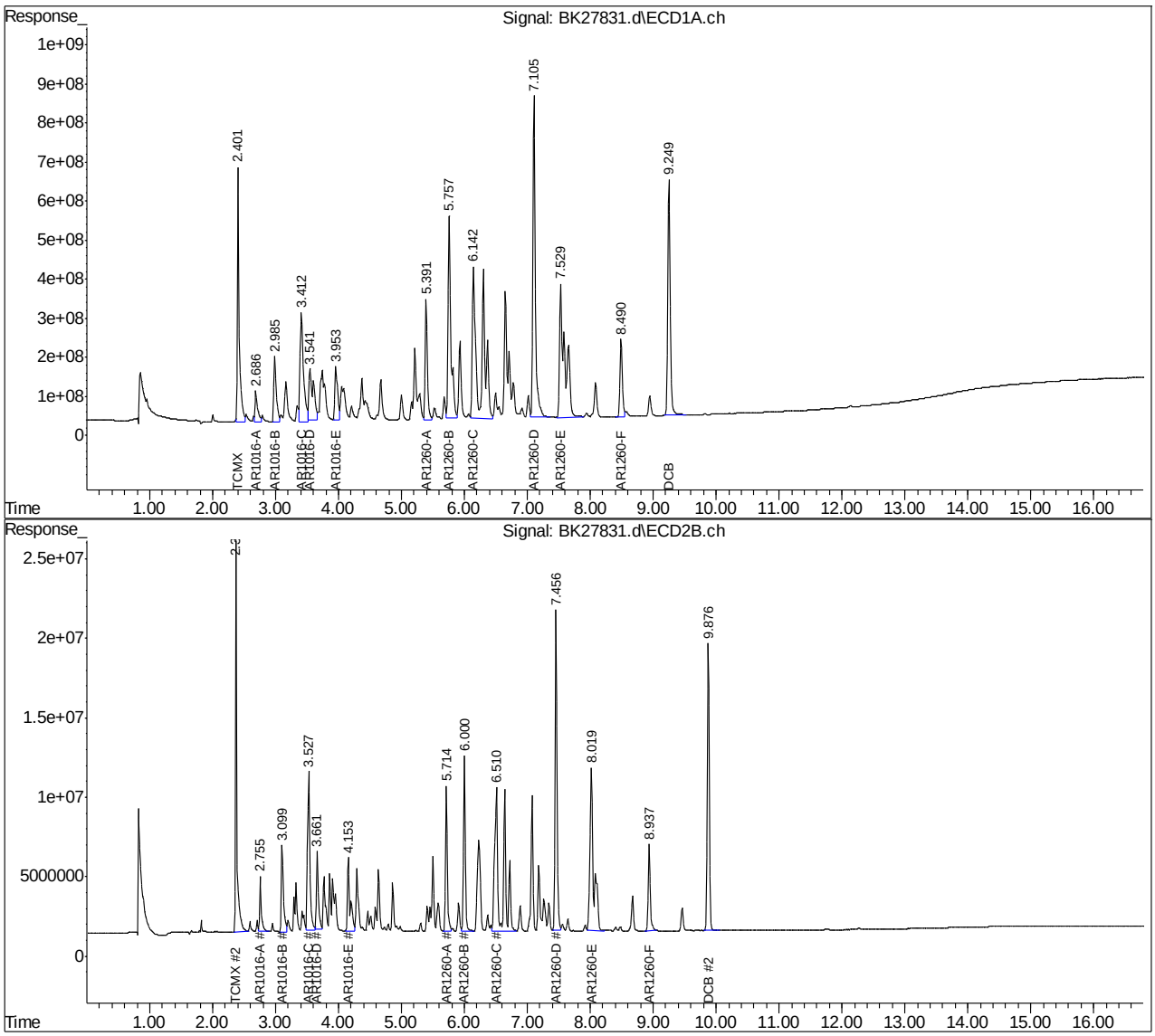
11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27831.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 11:38 am
Operator : nickk
Sample : icv949-500,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:58:44 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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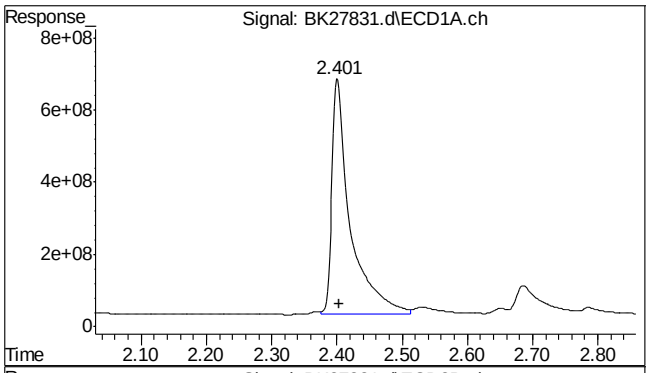
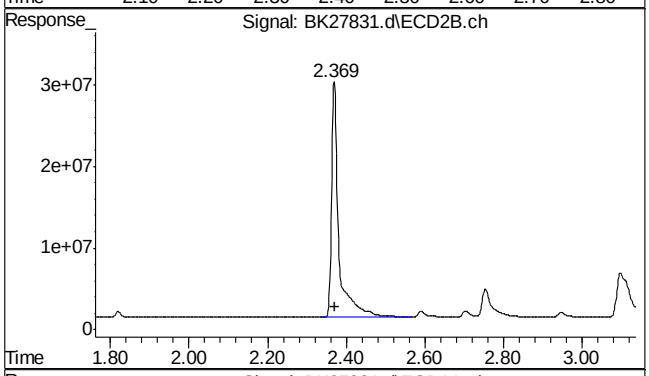
11.6.24 11



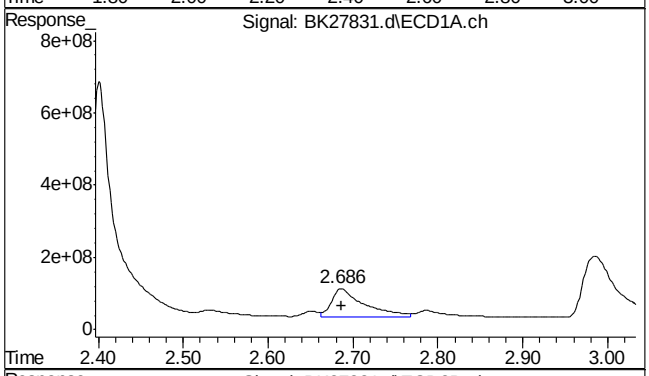
#1 TCMX

R.T.: 2.401 min
Delta R.T.: -0.002 min
Response: 12773254448
Conc: 49.32 ppb m



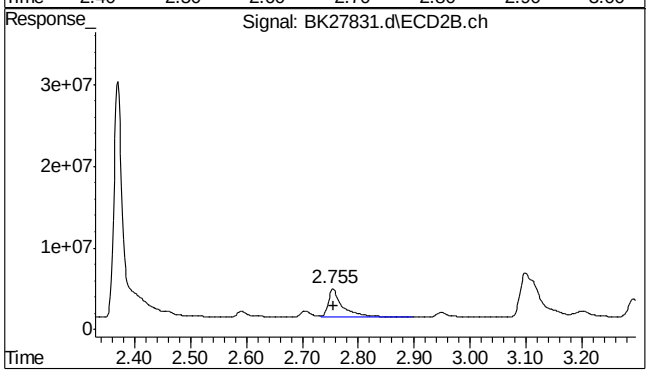
#1 TCMX

R.T.: 2.370 min
Delta R.T.: 0.000 min
Response: 372198939
Conc: 49.92 ppb



#2 AR1016-A

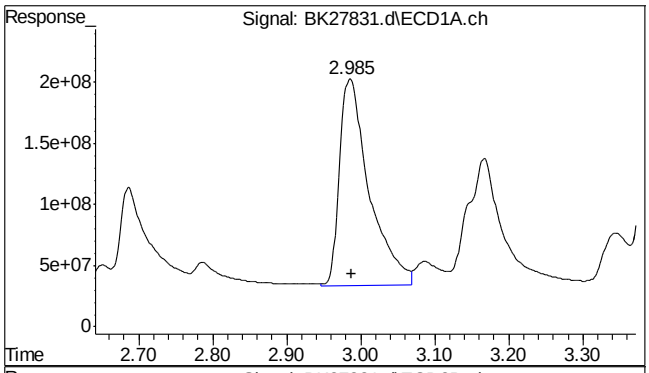
R.T.: 2.686 min
Delta R.T.: -0.001 min
Response: 2149471366
Conc: 497.75 ppb m



#2 AR1016-A

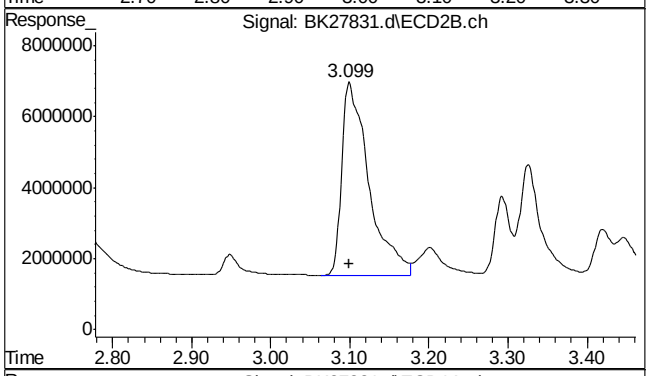
R.T.: 2.755 min
Delta R.T.: -0.001 min
Response: 60468353
Conc: 483.98 ppb m

11.6.24
11



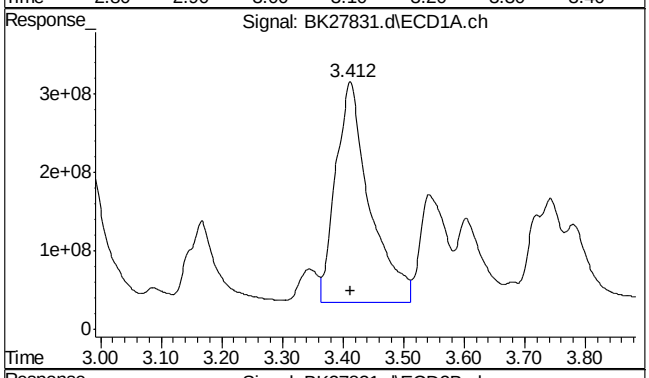
#3 AR1016-B

R.T.: 2.986 min
Delta R.T.: -0.001 min
Response: 4725290763
Conc: 483.97 ppb



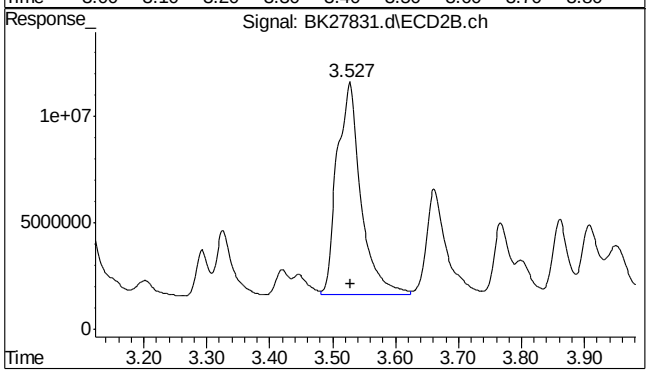
#3 AR1016-B

R.T.: 3.099 min
Delta R.T.: -0.001 min
Response: 129415757
Conc: 481.54 ppb m



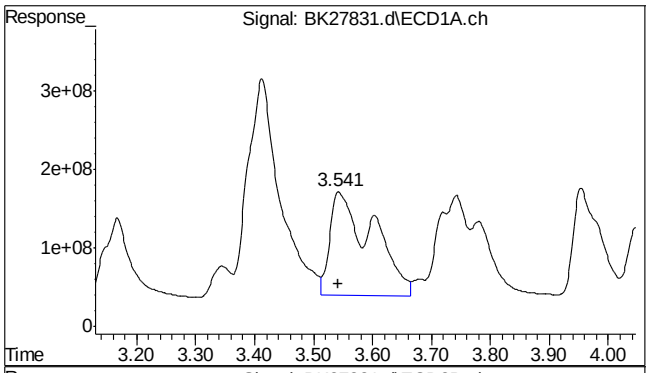
#4 AR1016-C

R.T.: 3.412 min
Delta R.T.: 0.000 min
Response: 10846628311
Conc: 502.85 ppb



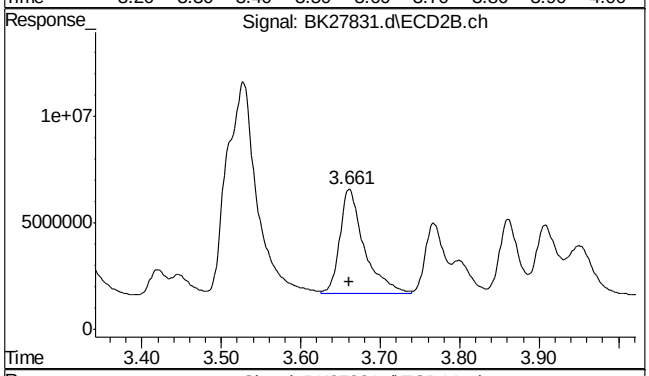
#4 AR1016-C

R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 265614887
Conc: 511.61 ppb m



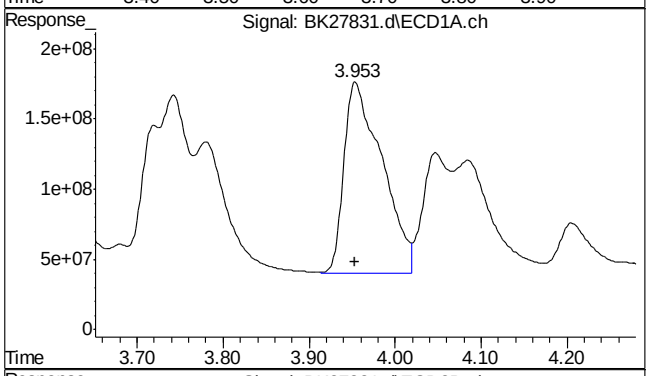
#5 AR1016-D

R.T.: 3.541 min
Delta R.T.: 0.000 min
Response: 6635041596
Conc: 500.07 m



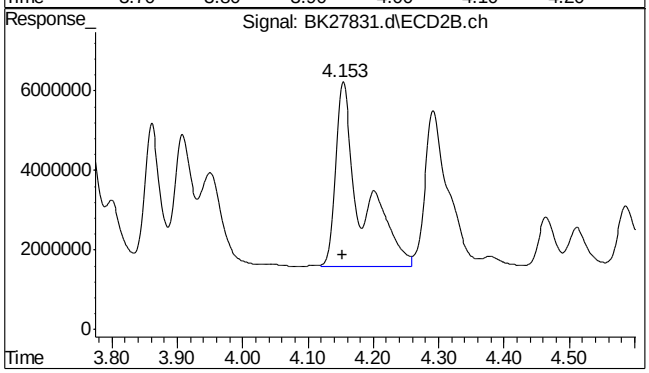
#5 AR1016-D

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 104366968
Conc: 501.36 m



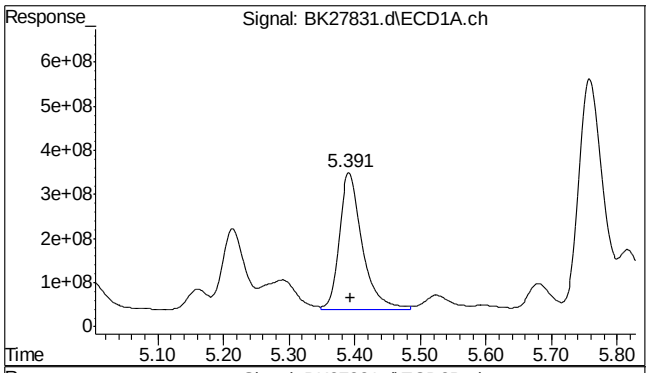
#6 AR1016-E

R.T.: 3.953 min
Delta R.T.: 0.000 min
Response: 4183665898
Conc: 481.18 m



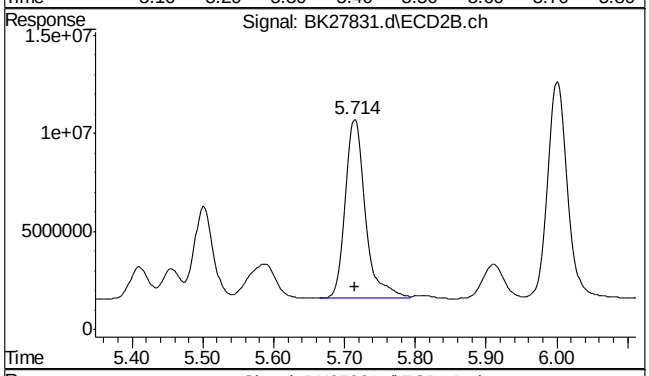
#6 AR1016-E

R.T.: 4.153 min
Delta R.T.: 0.000 min
Response: 126823146
Conc: 506.61 m



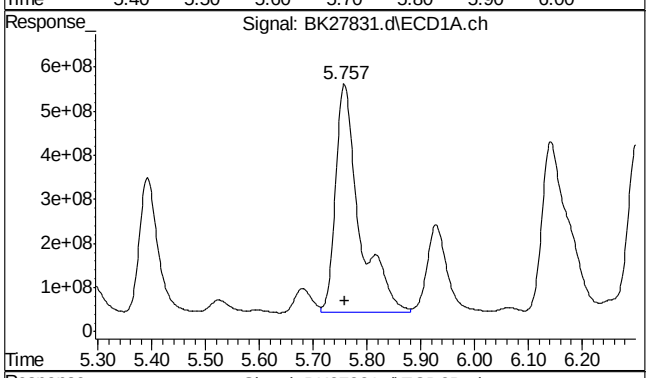
#7 AR1260-A

R.T.: 5.392 min
Delta R.T.: -0.001 min
Response: 7510713491
Conc: 488.17 ppb



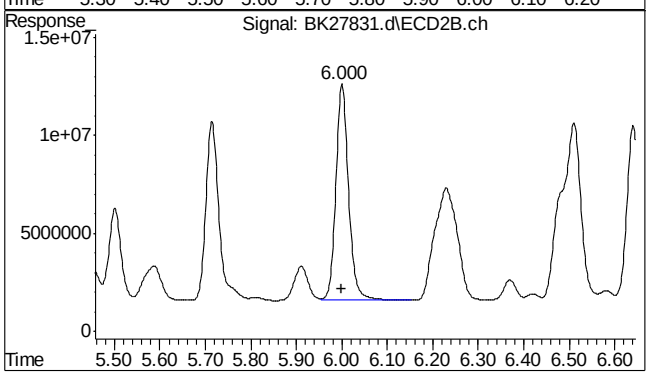
#7 AR1260-A

R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 180538498
Conc: 499.93 ppb m



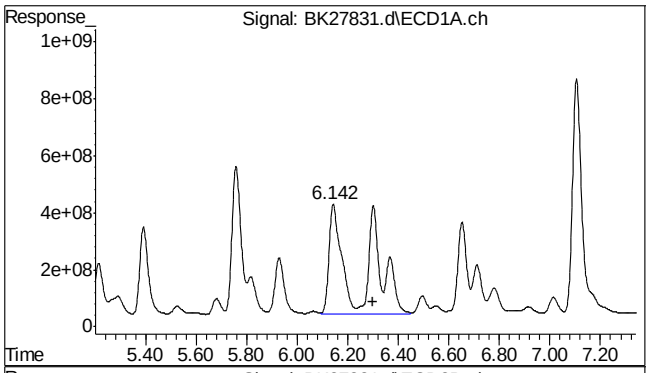
#8 AR1260-B

R.T.: 5.757 min
Delta R.T.: 0.000 min
Response: 15947877000
Conc: 505.44 ppb m



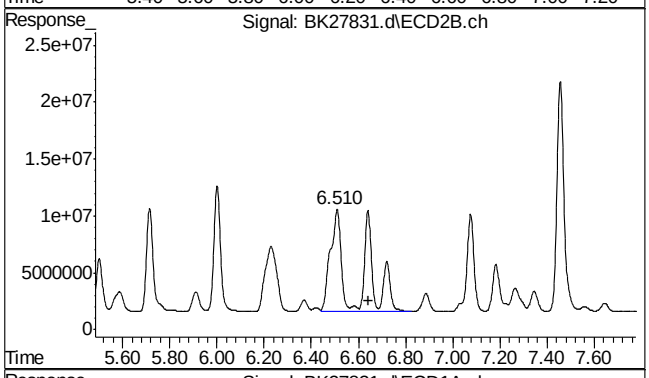
#8 AR1260-B

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 214678013
Conc: 498.57 ppb m



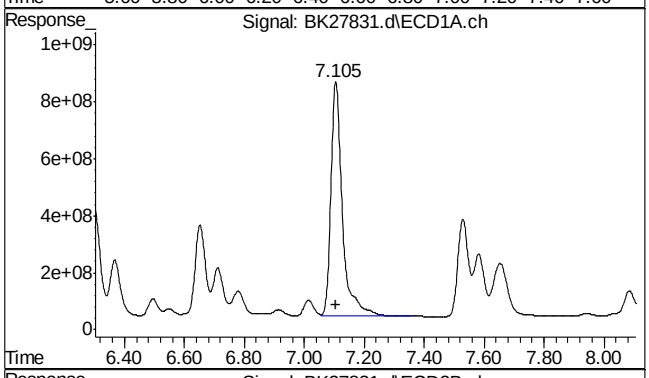
#9 AR1260-C

R.T.: 6.141 min
Delta R.T.: -0.160 min
Response: 27803955821
Conc: 499.15 ppb m



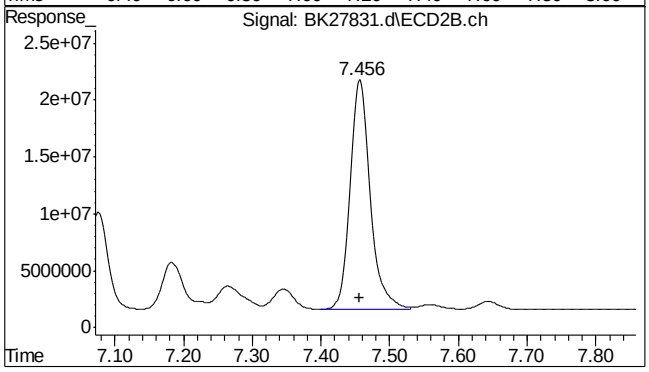
#9 AR1260-C

R.T.: 6.510 min
Delta R.T.: -0.131 min
Response: 551735016
Conc: 506.97 ppb m



#10 AR1260-D

R.T.: 7.105 min
Delta R.T.: -0.001 min
Response: 22015589504
Conc: 505.53 ppb m



#10 AR1260-D

R.T.: 7.456 min
Delta R.T.: 0.000 min
Response: 416565909
Conc: 501.89 ppb m

11.6.24
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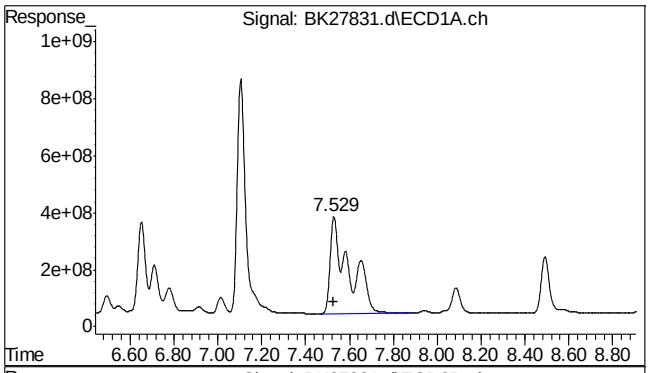
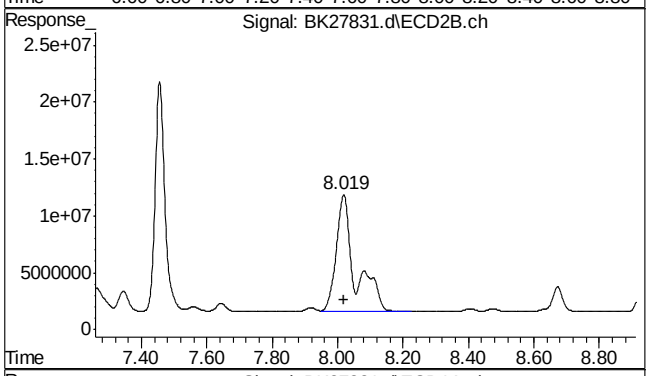


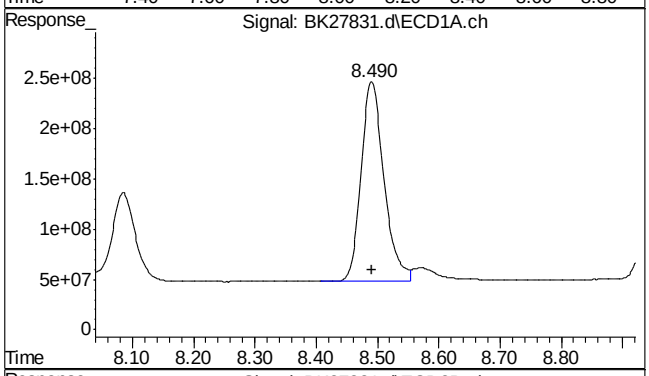
#11 AR1260-E

R.T.: 7.529 min
Delta R.T.: 0.000 min
Response: 20041785416
Conc: 509.00 ppb m



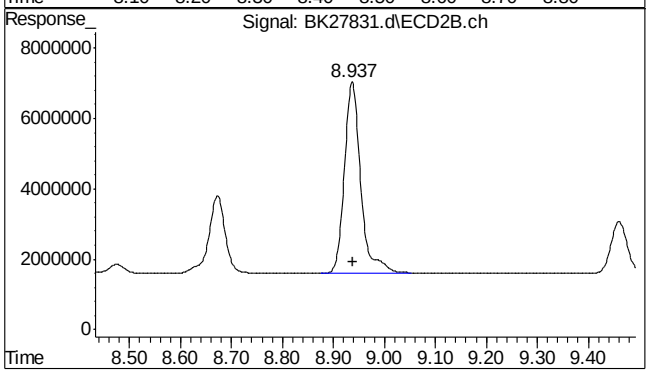
#11 AR1260-E

R.T.: 8.019 min
Delta R.T.: 0.000 min
Response: 410139811
Conc: 508.74 ppb m



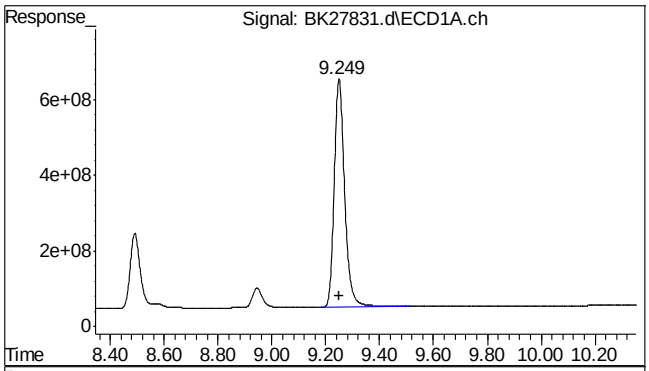
#12 AR1260-F

R.T.: 8.491 min
Delta R.T.: 0.000 min
Response: 5136059456
Conc: 533.64



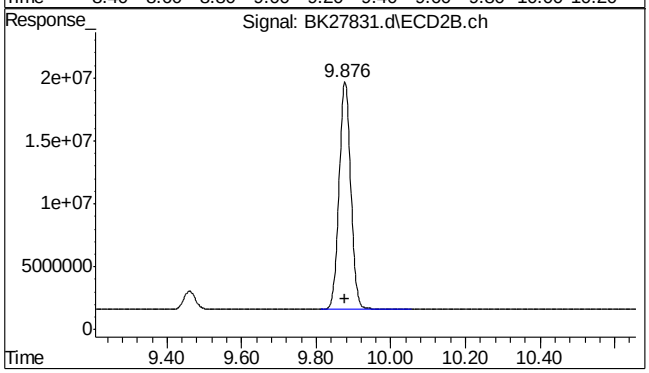
#12 AR1260-F

R.T.: 8.937 min
Delta R.T.: 0.000 min
Response: 121060600
Conc: 526.42



#13 DCB

R.T.: 9.249 min
Delta R.T.: 0.000 min
Response: 16254560016
Conc: 49.95 ppb m



#13 DCB

R.T.: 9.876 min
Delta R.T.: 0.000 min
Response: 392613692
Conc: 50.66 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Sona Liskova
08/16/13 17:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130815\
Data File : BK27997A.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2013 10:48 pm
Operator : nickk
Sample : cc949-750,a16/60 (Sig #1); ecc949-750,a16/60 (Sig #2)
Misc : op34377,gbk953,15,,,10,,s
ALS Vial : 98 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 07:52:49 2013
Quant Method : C:\msdchem\1\METHODS\PC130815.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.401	2.372	15232.2E6	401.8E6	58.813m	53.887m
	Spiked Amount 40.000			Recovery	= 147.03%	134.72%	
13) s	DCB	9.243	9.877	19949.4E6	425.8E6	63.339m	55.737m
	Spiked Amount 40.000			Recovery	= 158.35%	139.34%	
	Target Compounds						
2)	AR1016-A	2.684	2.757	3298.8E6	88010307	763.900m	704.421m
3)	AR1016-B	2.983	3.102	7995.0E6	191.2E6	818.856m	711.304
4)	AR1016-C	3.408	3.529	17654.7E6	391.3E6	818.476m	753.616m
5)	AR1016-D	3.538	3.663	11277.2E6	152.1E6	849.940m	730.831m
6)	AR1016-E	3.950	4.154	7194.5E6	186.1E6	827.477m	743.519m
7)	AR1260-A	5.387	5.716	12613.0E6	267.3E6	819.797m	740.150m
8)	AR1260-B	5.752	6.002	26465.1E6	326.5E6	838.765m	758.345m
9)	AR1260-C	6.295	6.641	47626.7E6	837.6E6	855.019m	769.600m
10)	AR1260-D	7.099	7.457	39337.6E6	659.7E6	903.283m	794.858m
11)	AR1260-E	7.524	8.019	34415.7E6	625.2E6	874.057m	775.495m
12)	AR1260-F	8.484	8.937	8386.7E6	176.5E6	871.378m	767.649

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

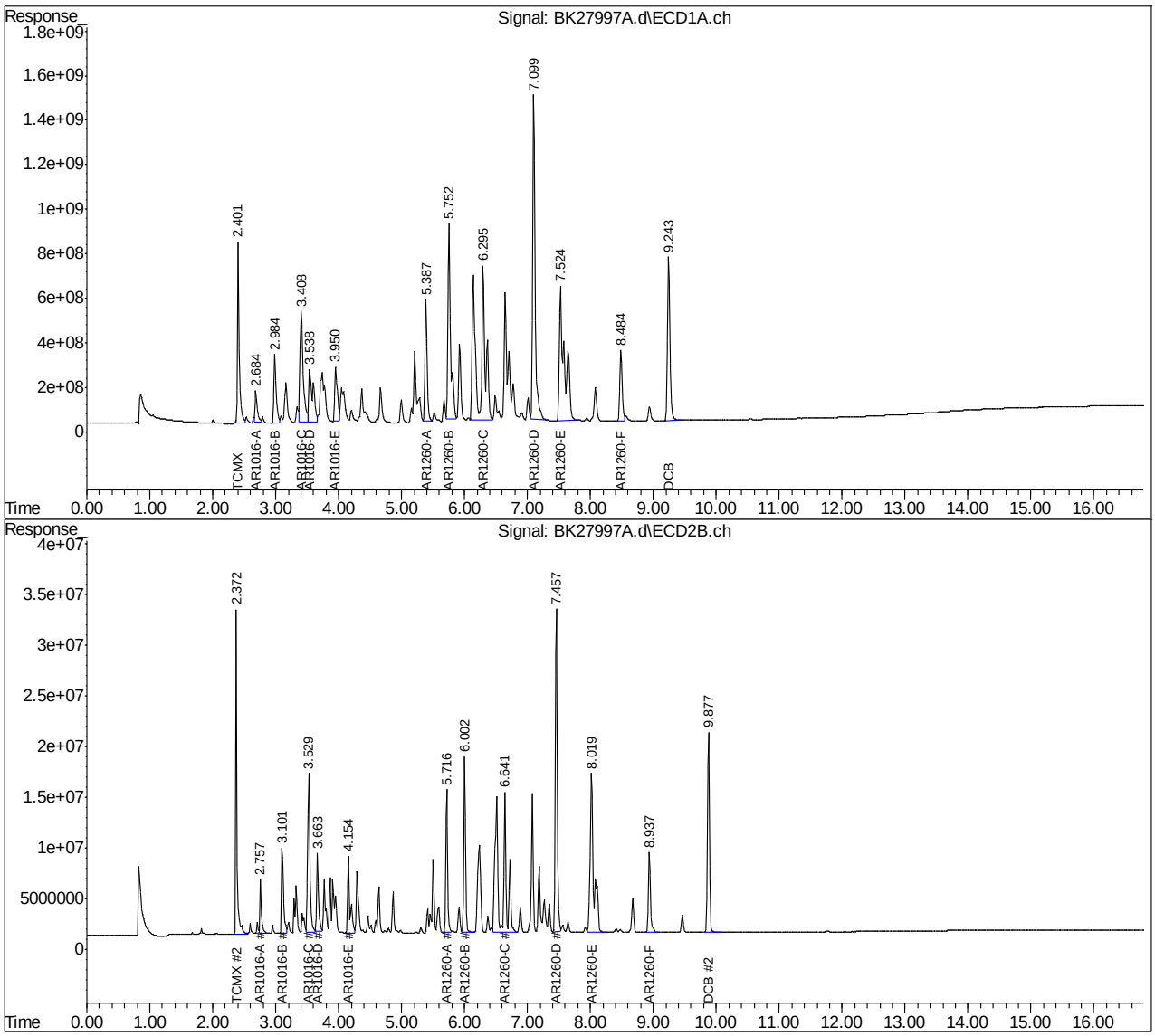
11.6.25
11

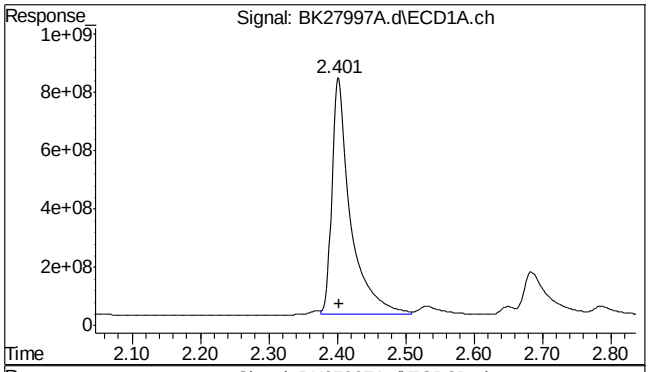
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130815\
Data File : BK27997A.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2013 10:48 pm
Operator : nickk
Sample : cc949-750,a16/60 (Sig #1); ecc949-750,a16/60 (Sig #2)
Misc : op34377,gbk953,15,,,10,,s
ALS Vial : 98 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 07:52:49 2013
Quant Method : C:\msdchem\1\METHODS\PC130815.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

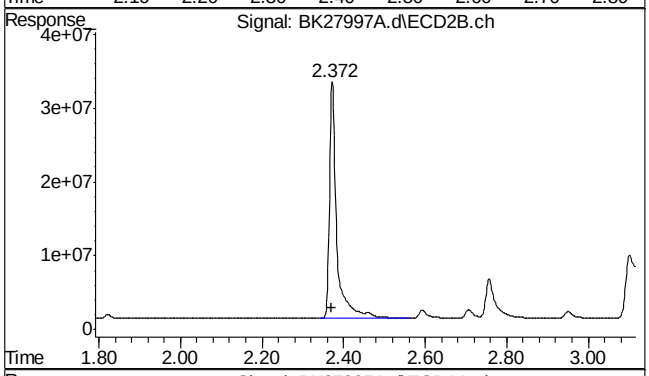
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





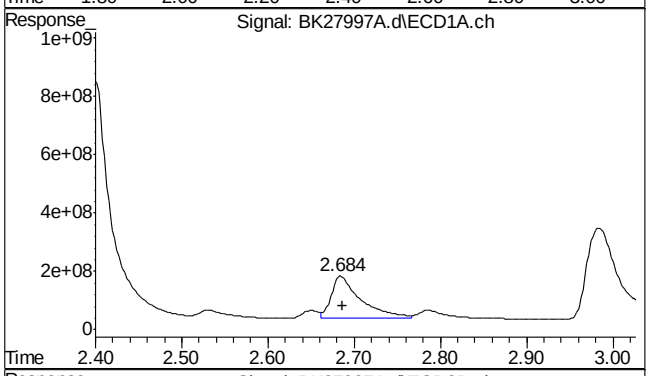
#1 TCMX

R.T.: 2.401 min
Delta R.T.: -0.002 min
Response: 15232220428
Conc: 58.81 ppb m



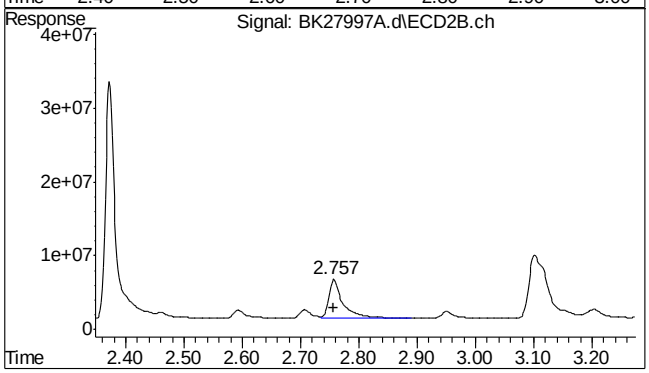
#1 TCMX

R.T.: 2.372 min
Delta R.T.: 0.000 min
Response: 401788695
Conc: 53.89 ppb m



#2 AR1016-A

R.T.: 2.684 min
Delta R.T.: -0.003 min
Response: 3298833310
Conc: 763.90 ppb m



#2 AR1016-A

R.T.: 2.757 min
Delta R.T.: 0.000 min
Response: 88010307
Conc: 704.42 ppb m

11.6.25
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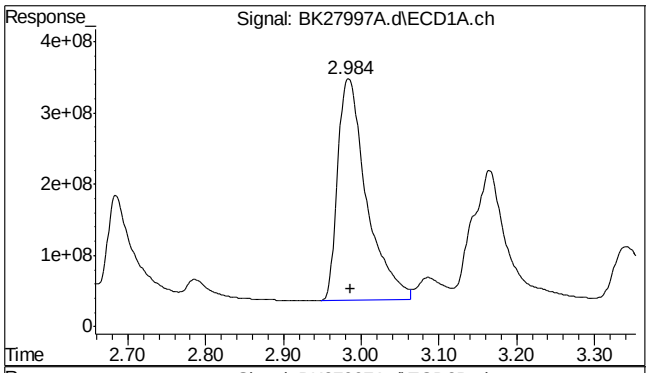
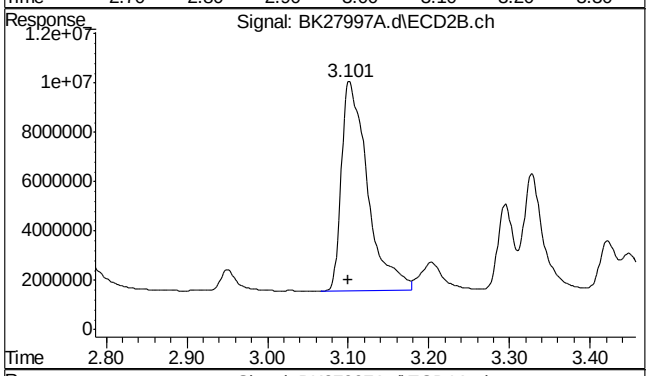


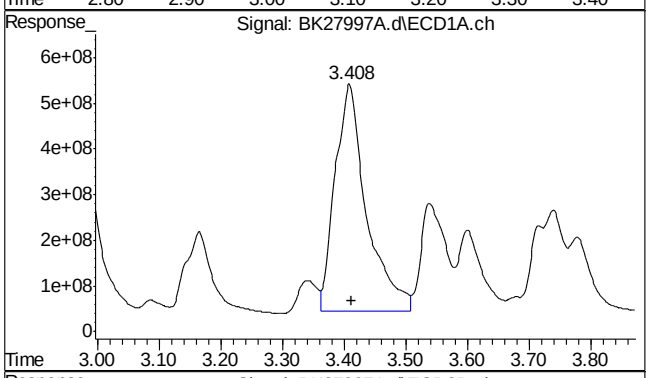
#3 AR1016-B

R.T.: 2.983 min
Delta R.T.: -0.004 min
Response: 7994999187
Conc: 818.86 ppb m



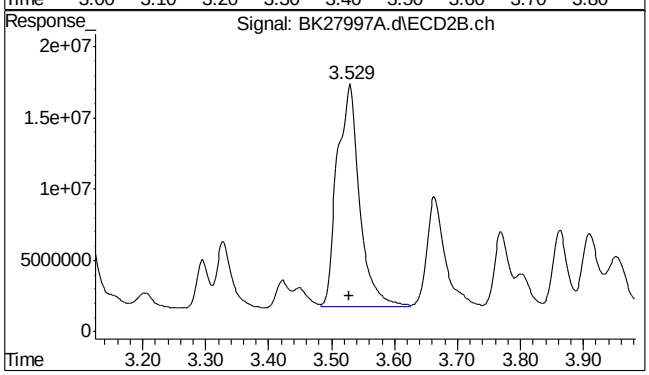
#3 AR1016-B

R.T.: 3.102 min
Delta R.T.: 0.002 min
Response: 191164973
Conc: 711.30 ppb



#4 AR1016-C

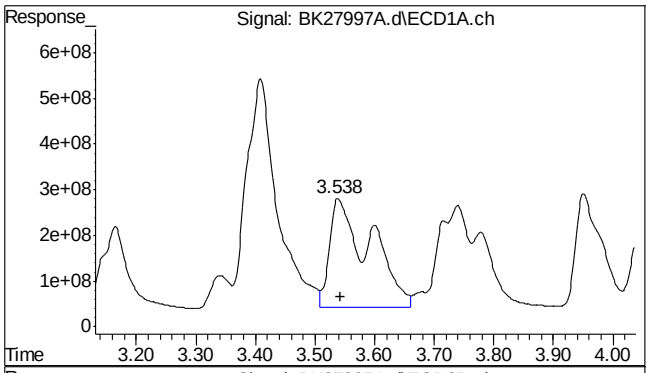
R.T.: 3.408 min
Delta R.T.: -0.005 min
Response: 17654702657
Conc: 818.48 ppb m



#4 AR1016-C

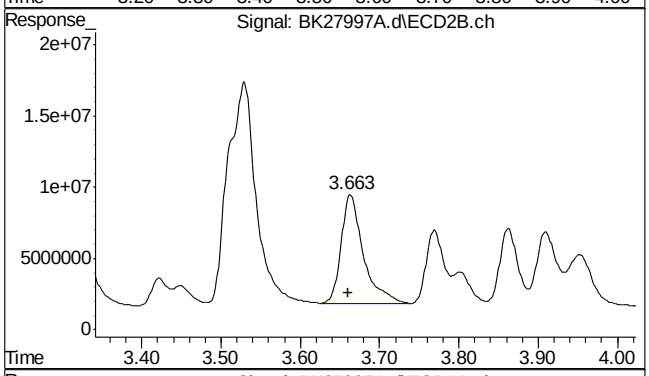
R.T.: 3.529 min
Delta R.T.: 0.000 min
Response: 391257083
Conc: 753.62 ppb m

11.6.25
11



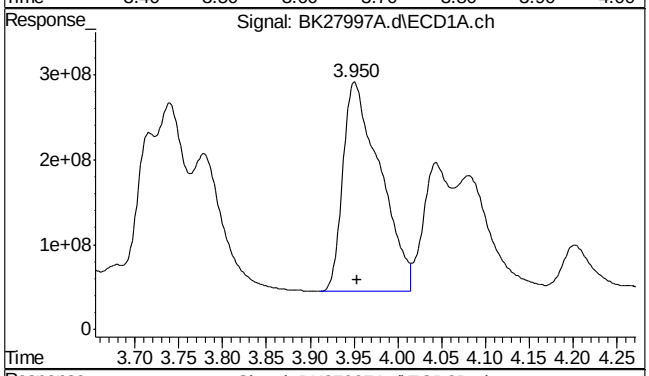
#5 AR1016-D

R.T.: 3.538 min
Delta R.T.: -0.004 min
Response: 11277185345
Conc: 849.94 m



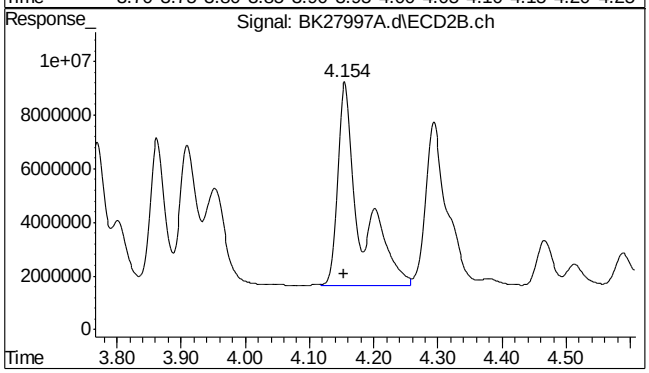
#5 AR1016-D

R.T.: 3.663 min
Delta R.T.: 0.002 min
Response: 152135779
Conc: 730.83 m



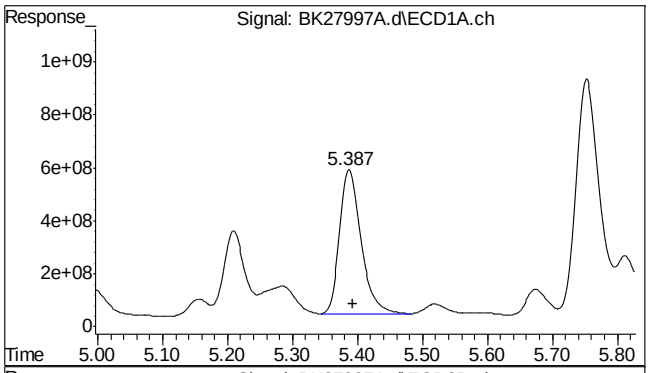
#6 AR1016-E

R.T.: 3.950 min
Delta R.T.: -0.004 min
Response: 7194547325
Conc: 827.48 m



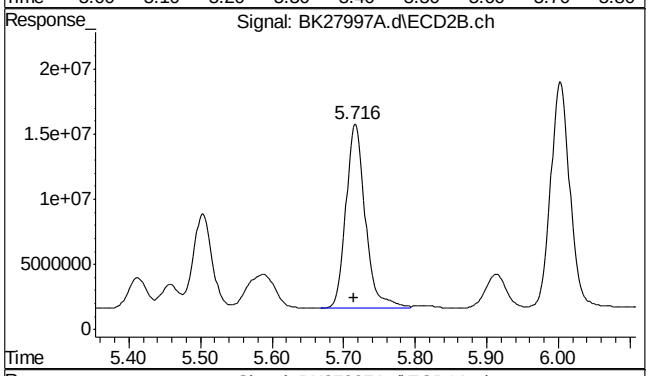
#6 AR1016-E

R.T.: 4.154 min
Delta R.T.: 0.000 min
Response: 186130183
Conc: 743.52 m



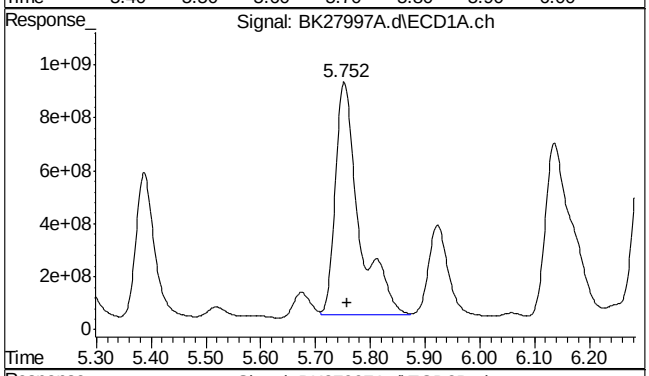
#7 AR1260-A

R.T.: 5.387 min
Delta R.T.: -0.006 min
Response: 12612985431
Conc: 819.80 ppb m



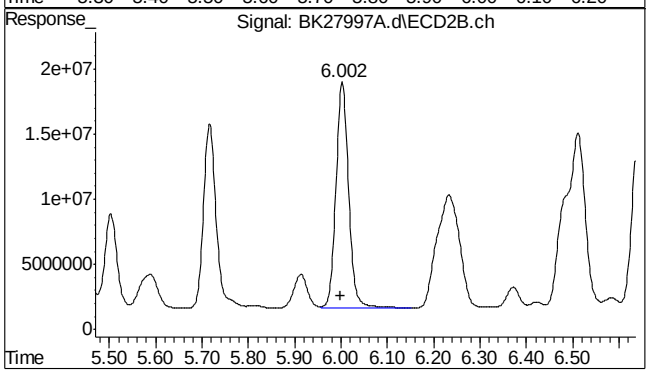
#7 AR1260-A

R.T.: 5.716 min
Delta R.T.: 0.000 min
Response: 267287591
Conc: 740.15 ppb m



#8 AR1260-B

R.T.: 5.752 min
Delta R.T.: -0.006 min
Response: 26465146995
Conc: 838.77 ppb m



#8 AR1260-B

R.T.: 6.002 min
Delta R.T.: 0.002 min
Response: 326536226
Conc: 758.34 ppb m

11.6.25
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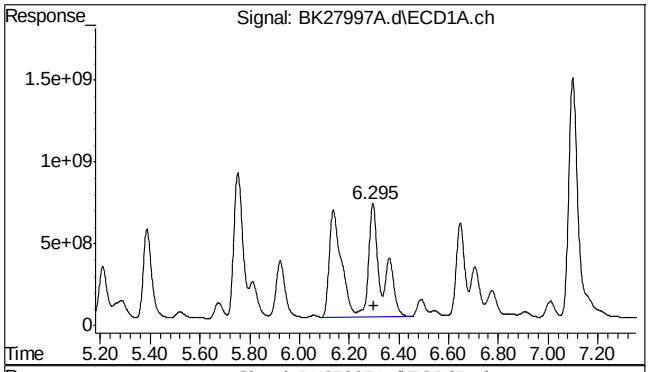
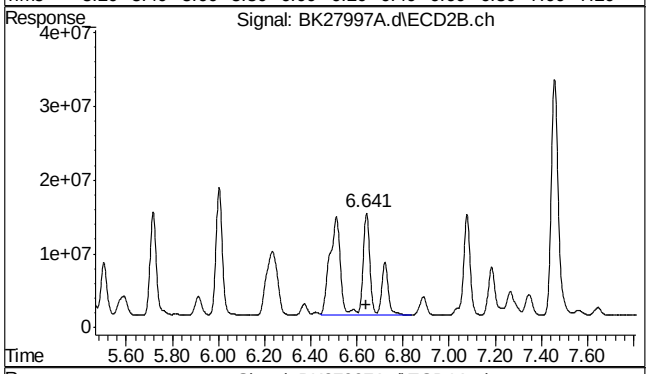


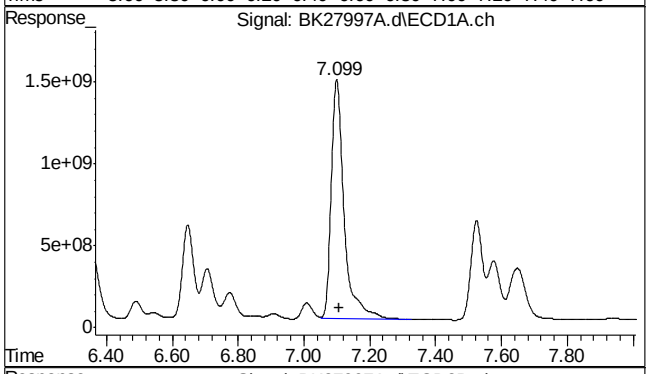
#9 AR1260-C

R.T.: 6.295 min
Delta R.T.: -0.006 min
Response: 47626658097
Conc: 855.02 ppb m



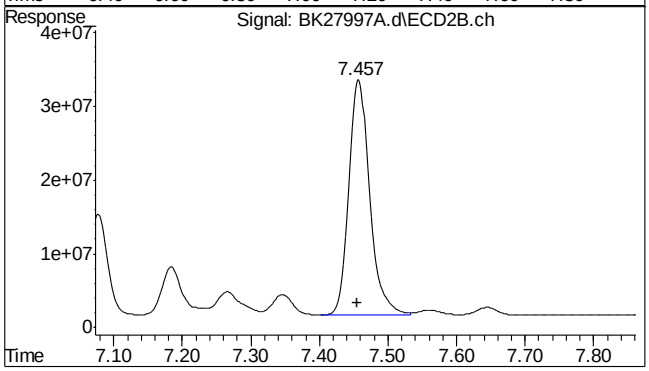
#9 AR1260-C

R.T.: 6.641 min
Delta R.T.: 0.000 min
Response: 837551794
Conc: 769.60 ppb m



#10 AR1260-D

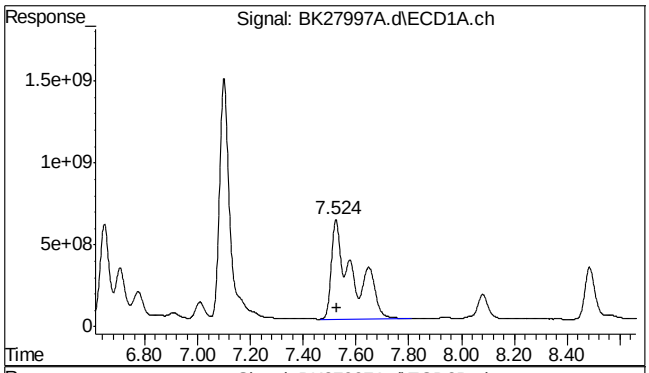
R.T.: 7.099 min
Delta R.T.: -0.007 min
Response: 39337596733
Conc: 903.28 ppb m



#10 AR1260-D

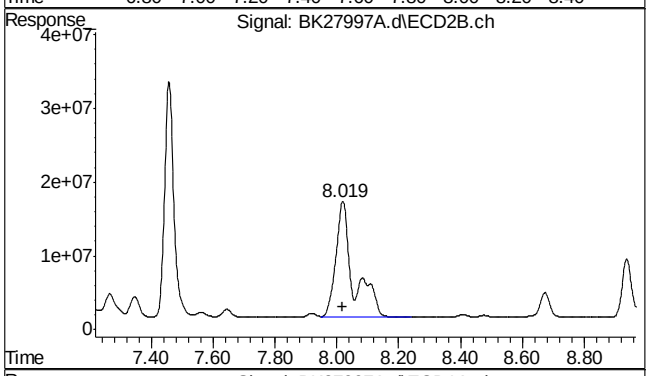
R.T.: 7.457 min
Delta R.T.: 0.001 min
Response: 659733943
Conc: 794.86 ppb m

11.6.25
11



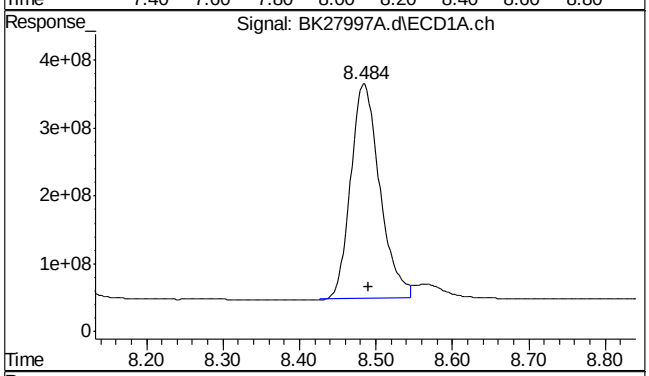
#11 AR1260-E

R.T.: 7.524 min
Delta R.T.: -0.006 min
Response: 34415725988
Conc: 874.06 ppb m



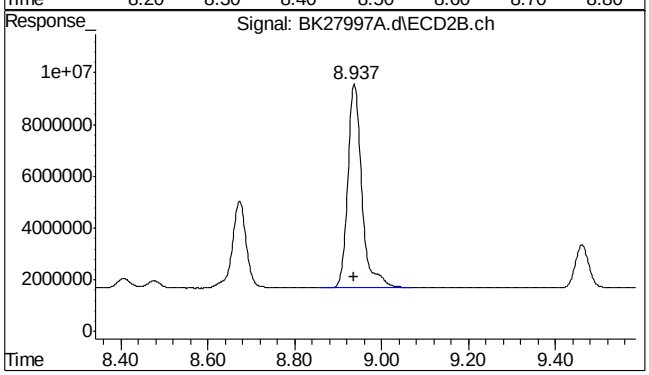
#11 AR1260-E

R.T.: 8.019 min
Delta R.T.: 0.000 min
Response: 625190351
Conc: 775.49 ppb m



#12 AR1260-F

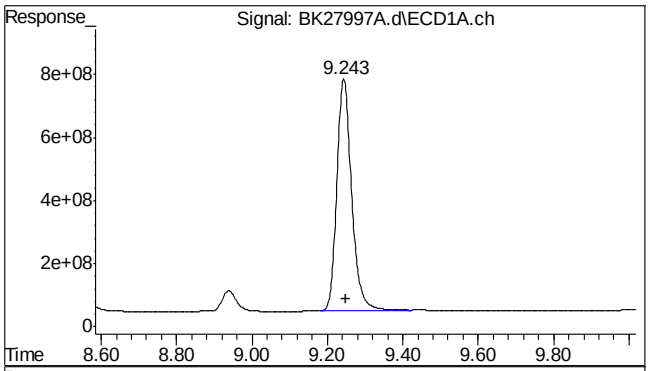
R.T.: 8.484 min
Delta R.T.: -0.007 min
Response: 8386655106
Conc: 871.38 m



#12 AR1260-F

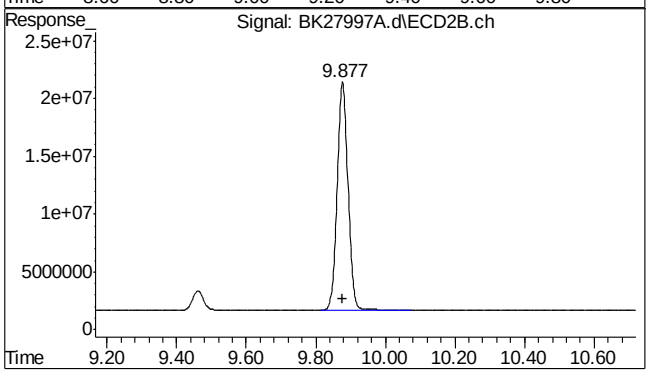
R.T.: 8.937 min
Delta R.T.: 0.000 min
Response: 176534956
Conc: 767.65

11.6.25
11



#13 DCB

R.T.: 9.243 min
Delta R.T.: -0.007 min
Response: 19949393198
Conc: 63.34 ppb m



#13 DCB

R.T.: 9.877 min
Delta R.T.: 0.000 min
Response: 425833299
Conc: 55.74 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Sona Liskova 08/16/13 17:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130815\
Data File : BK28008.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Aug 2013 2:17 am
Operator : nickk
Sample : cc949-750,a16/60
Misc : op34377,gbk953,15,,,10,,s
ALS Vial : 98 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 07:49:22 2013
Quant Method : C:\msdchem\1\METHODS\PC130815.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.402	2.374	15434.7E6	385.2E6	59.595m	51.656m
	Spiked Amount 40.000			Recovery	= 148.99%	129.14%	
13) s	DCB	9.243	9.877	19839.9E6	395.6E6	62.928m	51.112m
	Spiked Amount 40.000			Recovery	= 157.32%	127.78%	
	Target Compounds						
2)	AR1016-A	2.685	2.758	3356.1E6	81837754	777.154m	655.016m
3)	AR1016-B	2.983	3.103	8036.3E6	182.2E6	823.081m	677.790
4)	AR1016-C	3.408	3.529	17320.5E6	369.0E6	802.981m	710.670m
5)	AR1016-D	3.537	3.663	10668.0E6	146.0E6	804.027m	701.312m
6)	AR1016-E	3.950	4.154	7236.8E6	174.8E6	832.334m	698.124m
7)	AR1260-A	5.386	5.715	12814.5E6	251.6E6	832.895m	696.743m
8)	AR1260-B	5.751	6.002	26663.0E6	304.2E6	845.037m	706.511m
9)	AR1260-C	6.295	6.641	46145.9E6	789.9E6	828.435m	725.824m
10)	AR1260-D	7.099	7.458	39008.7E6	623.9E6	895.730m	751.716
11)	AR1260-E	7.523	8.020	33765.7E6	579.3E6	857.548m	718.574m
12)	AR1260-F	8.484	8.939	8390.2E6	163.2E6	871.749m	709.752

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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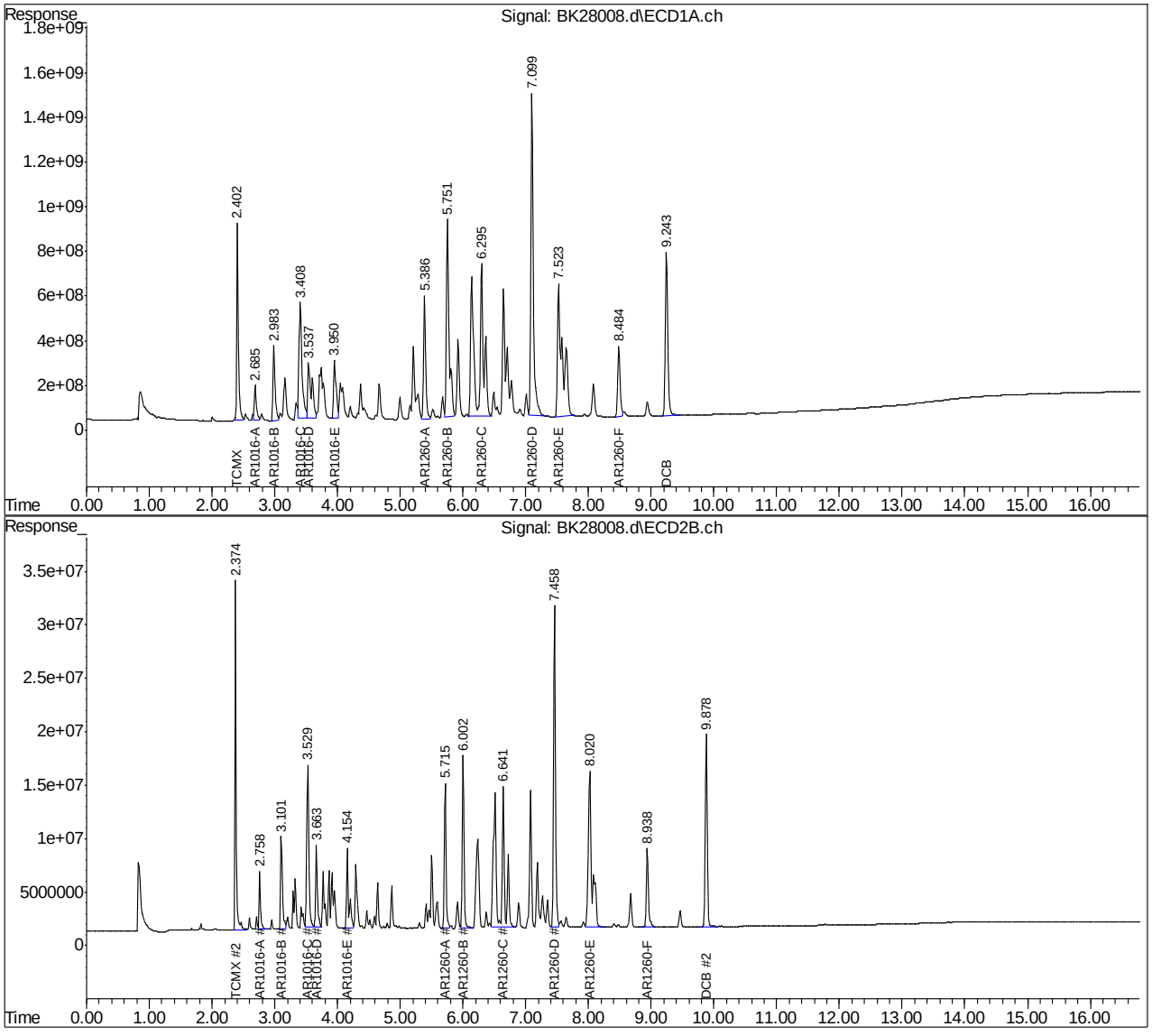
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130815\
Data File : BK28008.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Aug 2013 2:17 am
Operator : nickk
Sample : cc949-750,a16/60
Misc : op34377,gbk953,15,,,10,,s
ALS Vial : 98 Sample Multiplier: 1

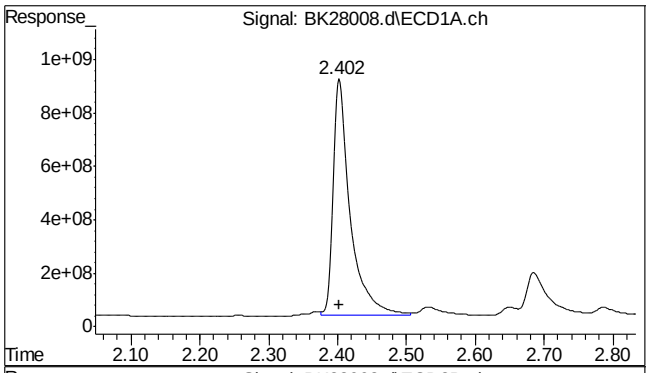
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 07:49:22 2013
Quant Method : C:\msdchem\1\METHODS\PC130815.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



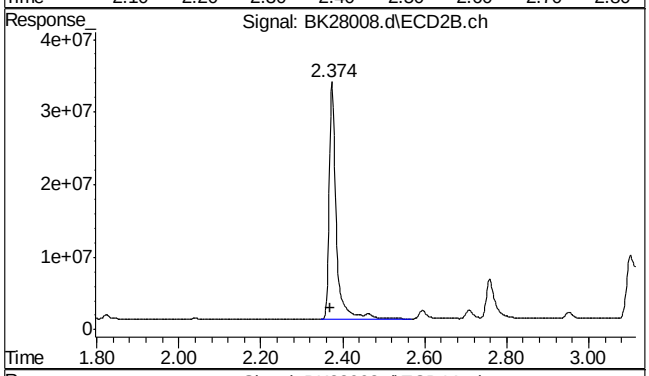
ACCUTEST LABORATORIES MC23272

11.6.26 11



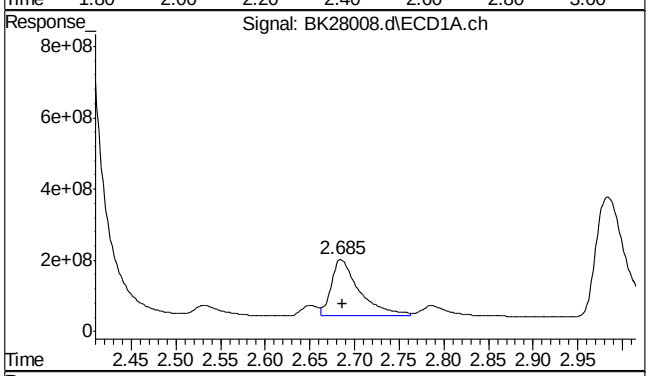
#1 TCMX

R.T.: 2.402 min
Delta R.T.: -0.001 min
Response: 15434660441
Conc: 59.60 ppb m



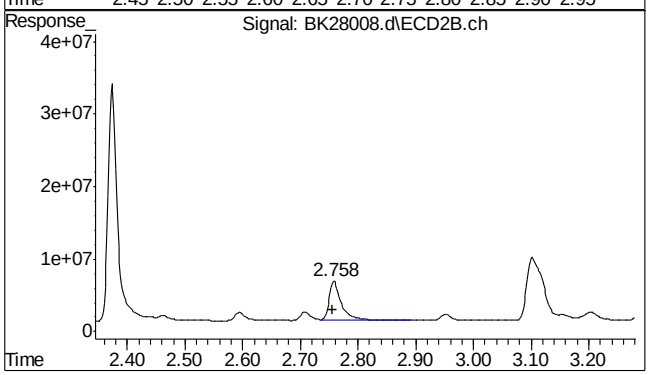
#1 TCMX

R.T.: 2.374 min
Delta R.T.: 0.003 min
Response: 385154995
Conc: 51.66 ppb m



#2 AR1016-A

R.T.: 2.685 min
Delta R.T.: -0.002 min
Response: 3356071795
Conc: 777.15 ppb m



#2 AR1016-A

R.T.: 2.758 min
Delta R.T.: 0.002 min
Response: 81837754
Conc: 655.02 ppb m

11.6.26
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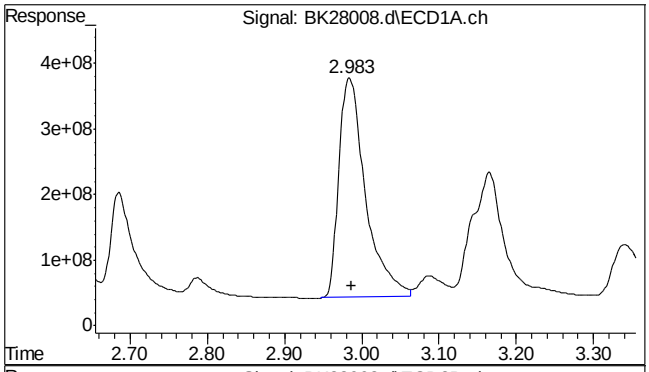
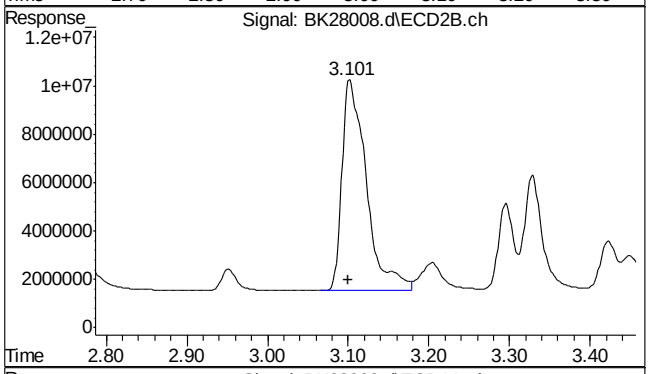


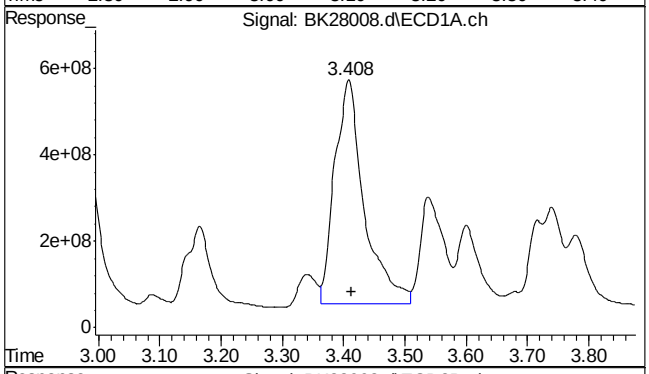
#3 AR1016-B

R.T.: 2.983 min
Delta R.T.: -0.004 min
Response: 8036258526
Conc: 823.08 ppb m



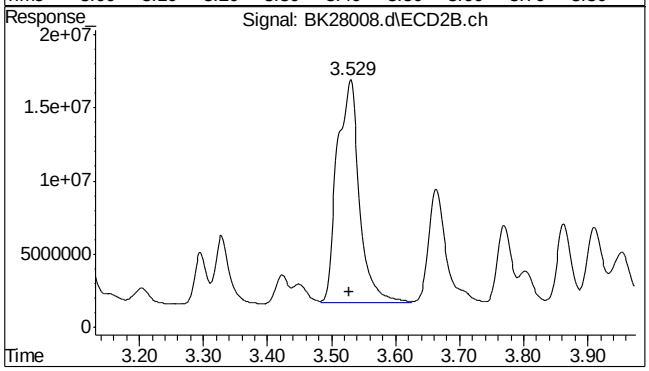
#3 AR1016-B

R.T.: 3.103 min
Delta R.T.: 0.003 min
Response: 182158152
Conc: 677.79 ppb



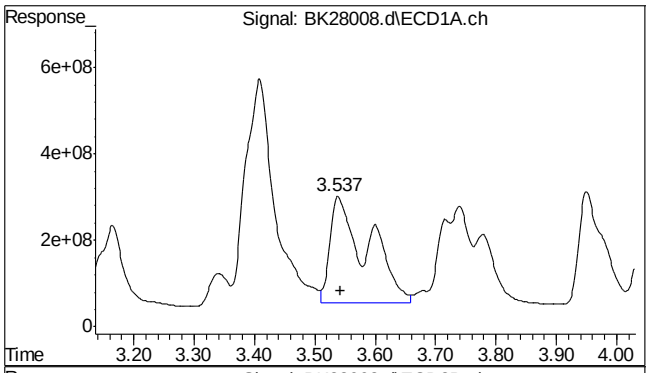
#4 AR1016-C

R.T.: 3.408 min
Delta R.T.: -0.005 min
Response: 17320475577
Conc: 802.98 ppb m



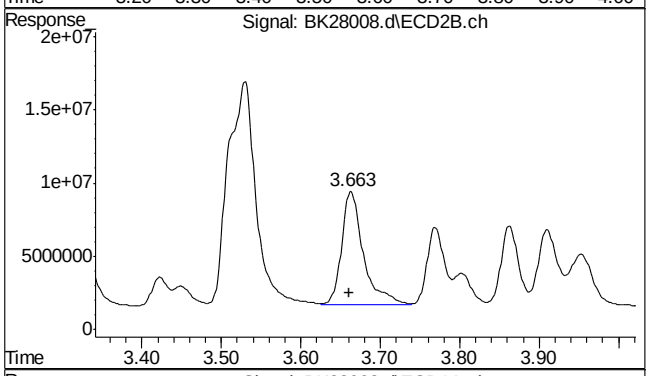
#4 AR1016-C

R.T.: 3.529 min
Delta R.T.: 0.001 min
Response: 368960803
Conc: 710.67 ppb m



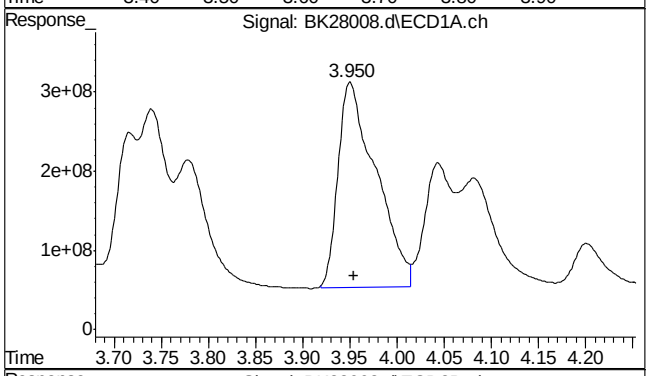
#5 AR1016-D

R.T.: 3.537 min
Delta R.T.: -0.005 min
Response: 10667997428
Conc: 804.03 m



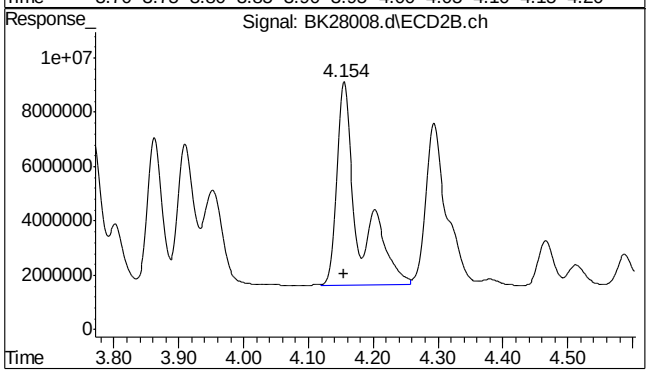
#5 AR1016-D

R.T.: 3.663 min
Delta R.T.: 0.002 min
Response: 145990705
Conc: 701.31 m



#6 AR1016-E

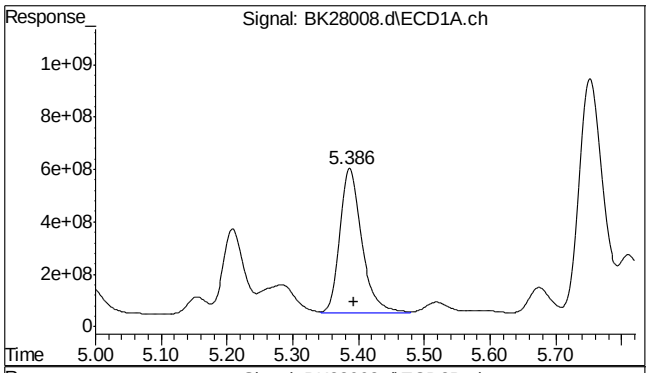
R.T.: 3.950 min
Delta R.T.: -0.004 min
Response: 7236775190
Conc: 832.33 m



#6 AR1016-E

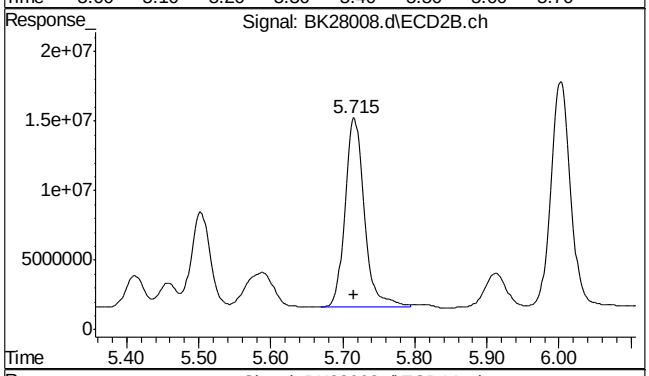
R.T.: 4.154 min
Delta R.T.: 0.000 min
Response: 174765976
Conc: 698.12 m

11.6.26 11



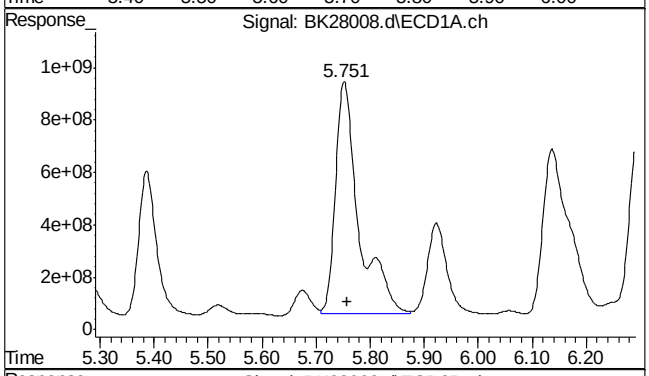
#7 AR1260-A

R.T.: 5.386 min
Delta R.T.: -0.007 min
Response: 12814499312
Conc: 832.90 ppb m



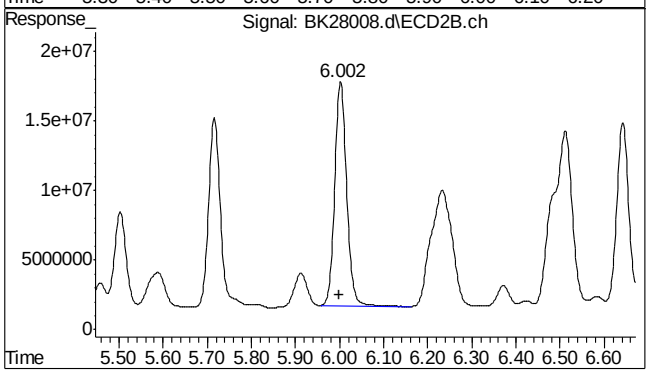
#7 AR1260-A

R.T.: 5.715 min
Delta R.T.: 0.000 min
Response: 251612199
Conc: 696.74 ppb m



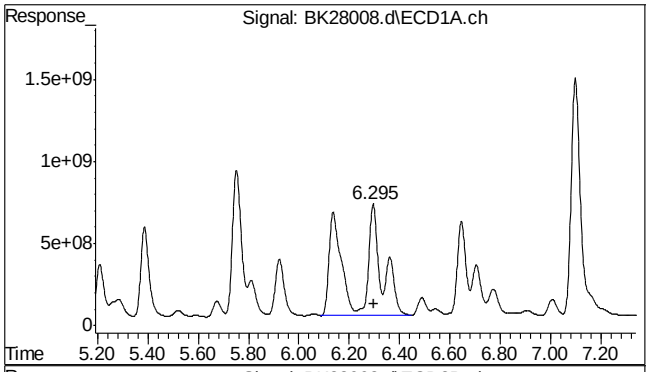
#8 AR1260-B

R.T.: 5.751 min
Delta R.T.: -0.007 min
Response: 26663037103
Conc: 845.04 ppb m



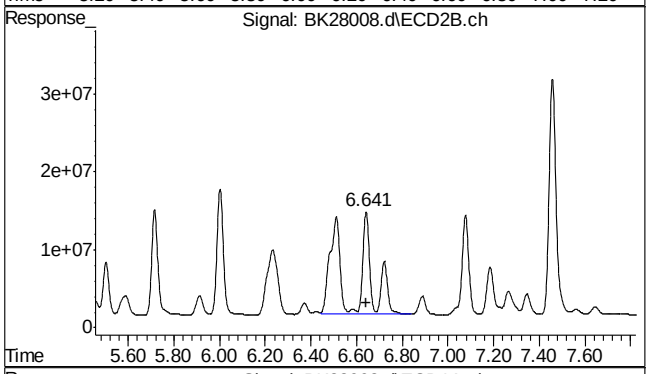
#8 AR1260-B

R.T.: 6.002 min
Delta R.T.: 0.002 min
Response: 304217252
Conc: 706.51 ppb m



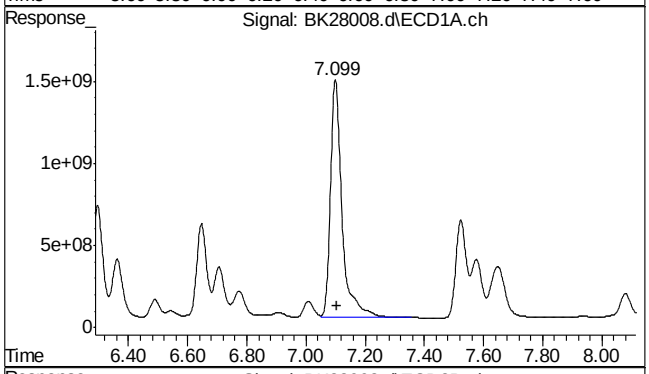
#9 AR1260-C

R.T.: 6.295 min
Delta R.T.: -0.006 min
Response: 46145851311
Conc: 828.44 ppb m



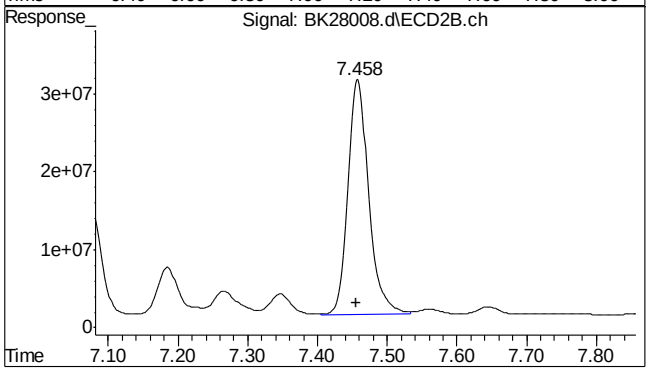
#9 AR1260-C

R.T.: 6.641 min
Delta R.T.: 0.000 min
Response: 789910518
Conc: 725.82 ppb m



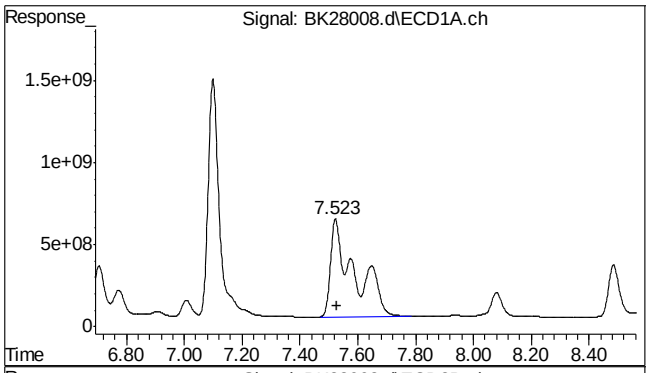
#10 AR1260-D

R.T.: 7.099 min
Delta R.T.: -0.007 min
Response: 39008661364
Conc: 895.73 ppb m



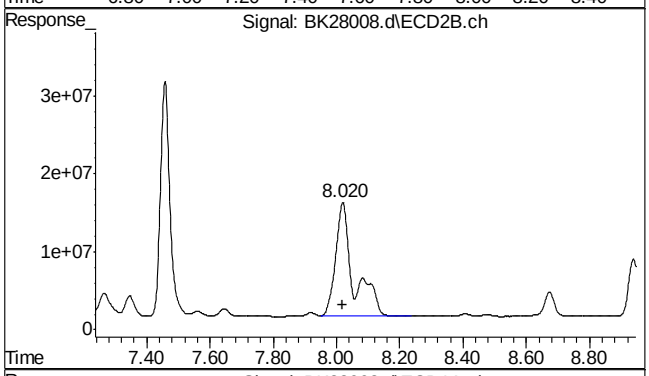
#10 AR1260-D

R.T.: 7.458 min
Delta R.T.: 0.002 min
Response: 623926438
Conc: 751.72 ppb



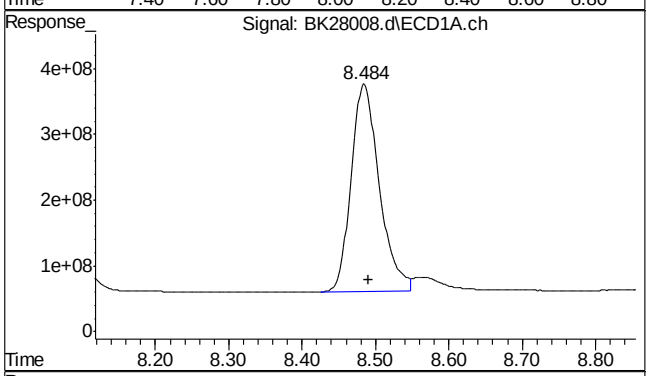
#11 AR1260-E

R.T.: 7.523 min
Delta R.T.: -0.007 min
Response: 33765681456
Conc: 857.55 ppb m



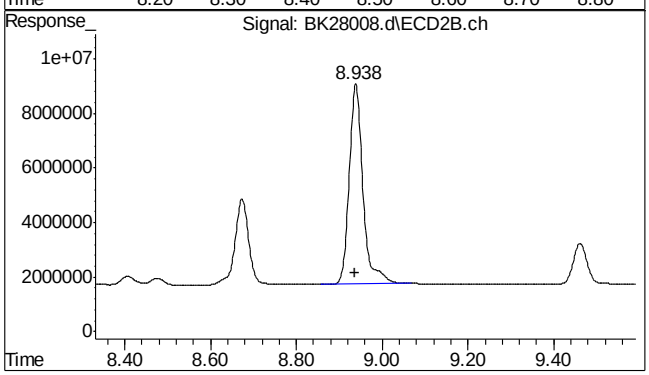
#11 AR1260-E

R.T.: 8.020 min
Delta R.T.: 0.000 min
Response: 579301680
Conc: 718.57 ppb m



#12 AR1260-F

R.T.: 8.484 min
Delta R.T.: -0.007 min
Response: 8390219208
Conc: 871.75 m



#12 AR1260-F

R.T.: 8.939 min
Delta R.T.: 0.002 min
Response: 163220449
Conc: 709.75

11.6.26
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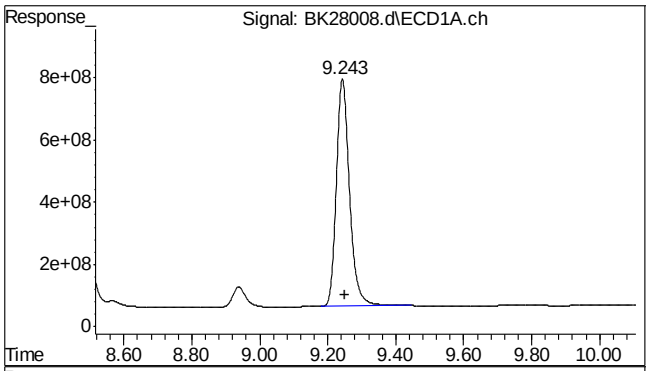
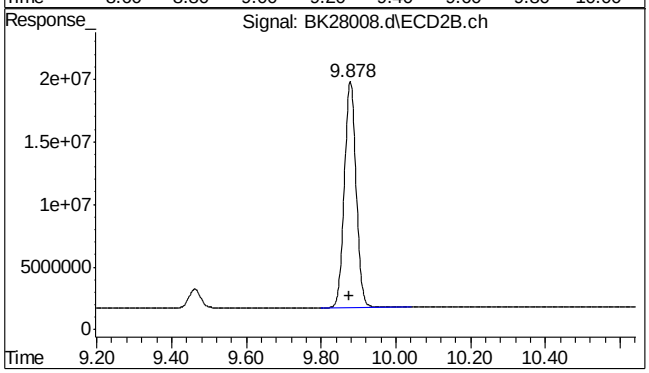


#13 DCB

R.T.: 9.243 min
Delta R.T.: -0.007 min
Response: 19839944641
Conc: 62.93 ppb m



#13 DCB

R.T.: 9.877 min
Delta R.T.: 0.002 min
Response: 395641868
Conc: 51.11 ppb m

11.6.26
11

Manual Integrations APPROVED (compounds with "m" flag)
Sona Liskova
08/16/13 17:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130815\
Data File : BK28009.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Aug 2013 2:36 am
Operator : nickk
Sample : cc949-500,a21/54
Misc : op34377,gbk953,15,,,10,,s
ALS Vial : 91 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 07:46:00 2013
Quant Method : C:\msdchem\1\METHODS\PC130815.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1)	s TCMX	2.402	2.373	12295.8E6	287.3E6	47.476m	38.529m
	Spiked Amount 40.000			Recovery	= 118.69%	96.32%	
13)	s DCB	9.243	9.878	13204.7E6	253.6E6	39.574m	31.035
	Spiked Amount 40.000			Recovery	= 98.94%	77.59%	
	Target Compounds						
32)	AR1254-A	4.366	4.636	10915.2E6	186.9E6	573.315m	478.208m
33)	AR1254-B	4.663	4.864	14708.7E6	270.7E6	571.340m	496.376m
34)	AR1254-C	5.154	5.457	21128.3E6	462.7E6	563.200m	499.544m
35)	AR1254-D	5.515	5.760	7510.9E6	254.9E6	553.539m	483.939m
36)	AR1254-E	6.136	6.512	11768.4E6	224.2E6	577.348m	495.489m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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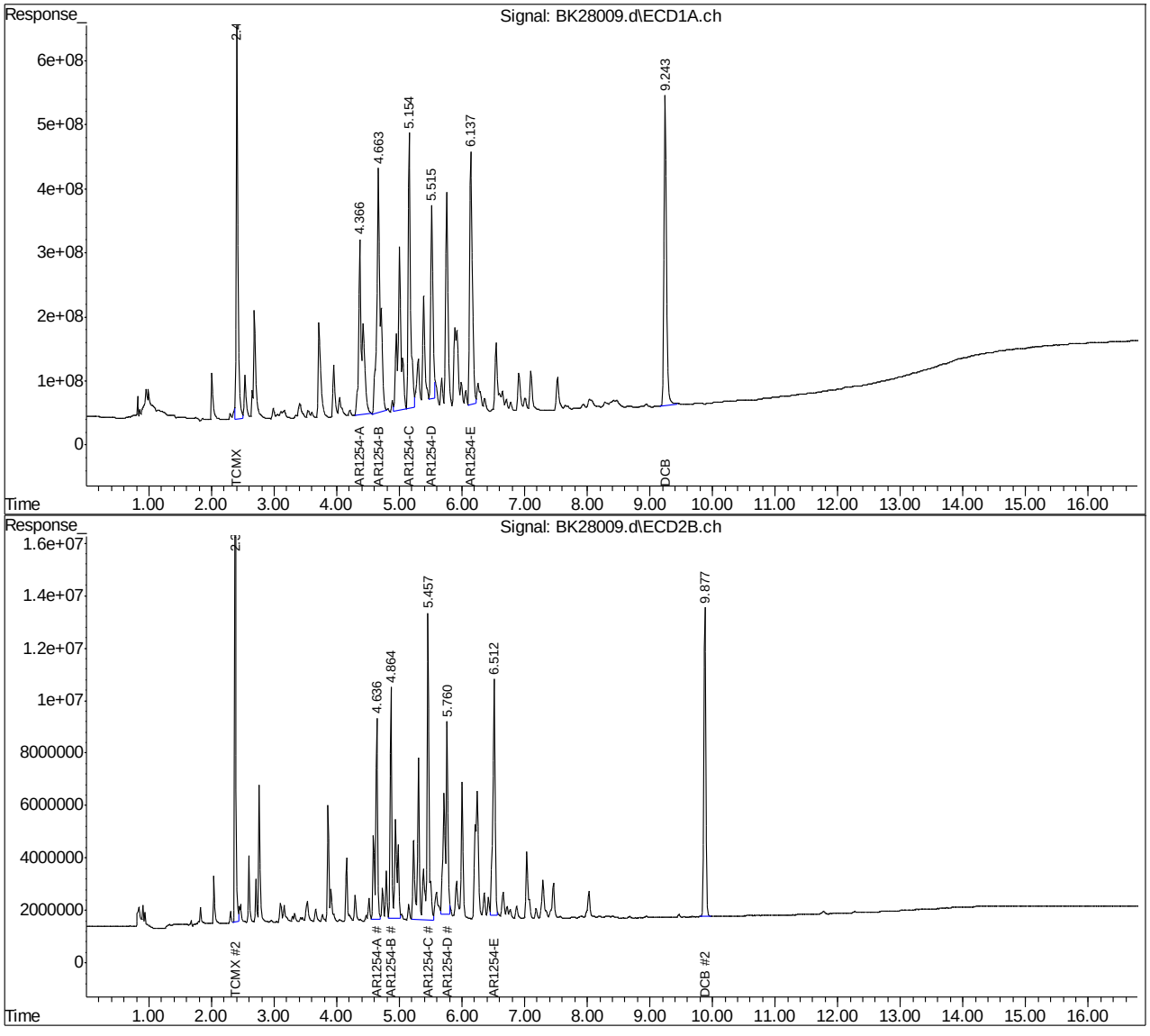
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130815\
Data File : BK28009.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Aug 2013 2:36 am
Operator : nickk
Sample : cc949-500,a21/54
Misc : op34377,gbk953,15,,,10,,s
ALS Vial : 91 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 07:46:00 2013
Quant Method : C:\msdchem\1\METHODS\PC130815.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



ACCUTEST LABORATORIES MC23272

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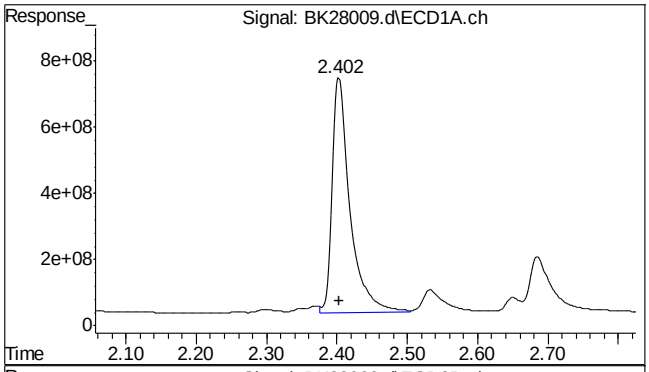
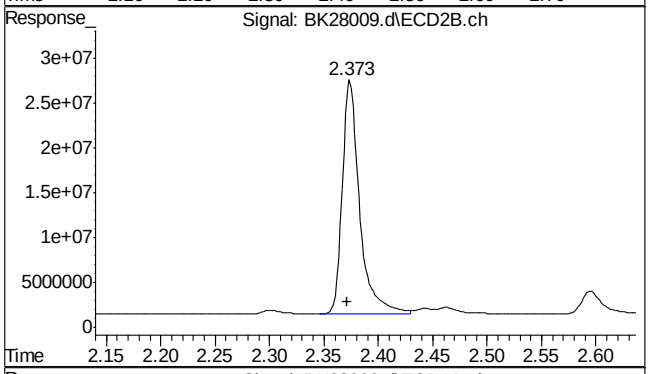


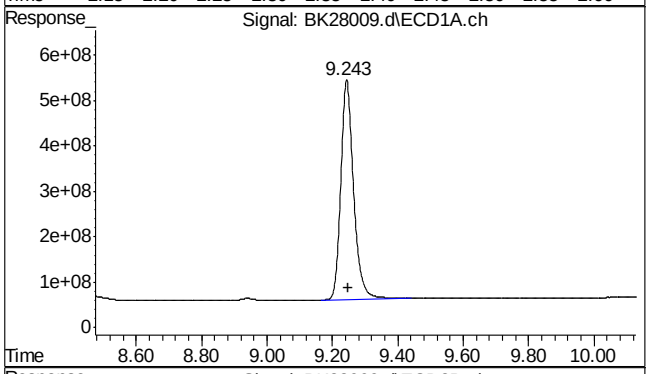
#1 TCMX

R.T.: 2.402 min
Delta R.T.: 0.000 min
Response: 12295831132
Conc: 47.48 ppb m



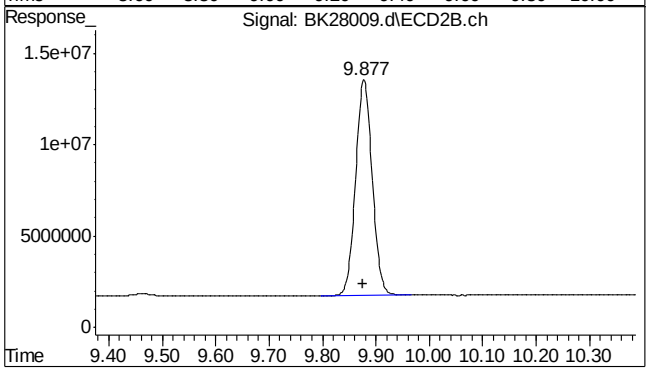
#1 TCMX

R.T.: 2.373 min
Delta R.T.: 0.002 min
Response: 287281832
Conc: 38.53 ppb m



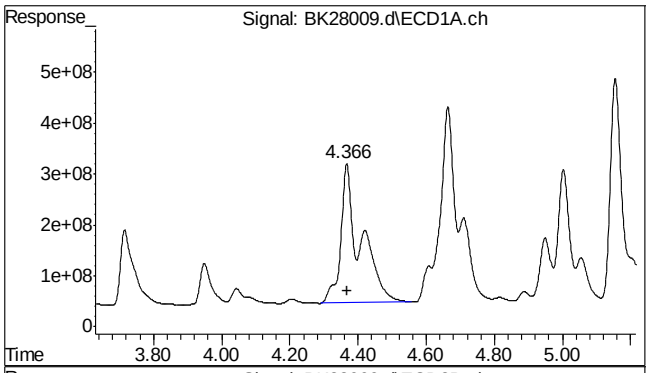
#13 DCB

R.T.: 9.243 min
Delta R.T.: -0.007 min
Response: 13204705585
Conc: 39.57 ppb m



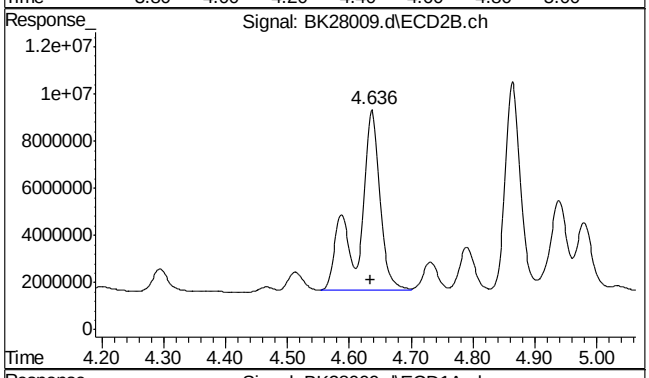
#13 DCB

R.T.: 9.878 min
Delta R.T.: 0.002 min
Response: 253567177
Conc: 31.04 ppb



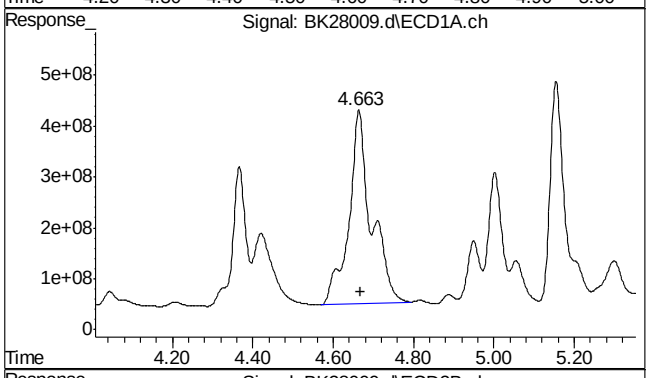
#32 AR1254-A

R.T.: 4.366 min
Delta R.T.: -0.003 min
Response: 10915234332
Conc: 573.32 ppb m



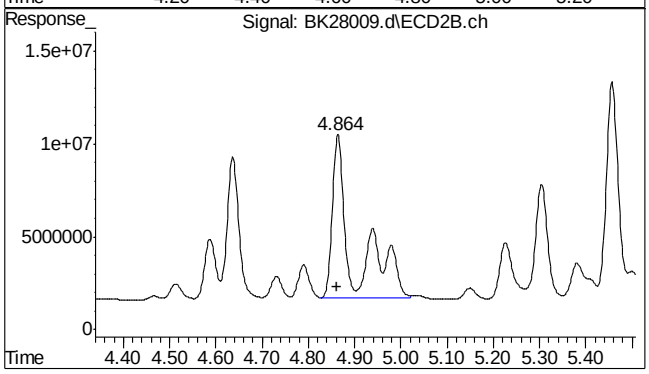
#32 AR1254-A

R.T.: 4.636 min
Delta R.T.: 0.001 min
Response: 186867162
Conc: 478.21 ppb m



#33 AR1254-B

R.T.: 4.663 min
Delta R.T.: -0.004 min
Response: 14708709966
Conc: 571.34 ppb m



#33 AR1254-B

R.T.: 4.864 min
Delta R.T.: 0.002 min
Response: 270695282
Conc: 496.38 ppb m

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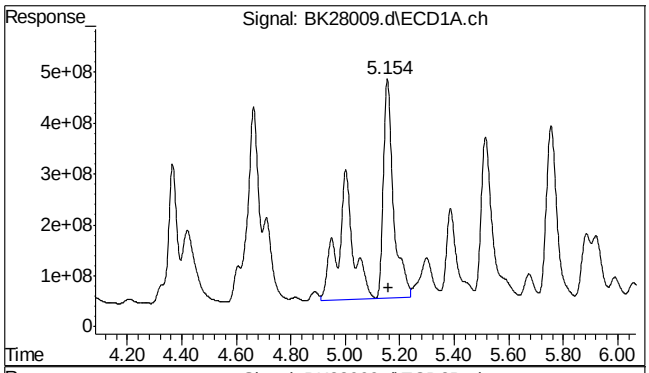
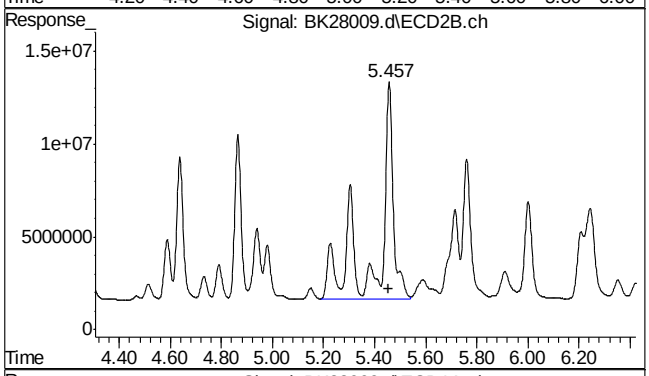


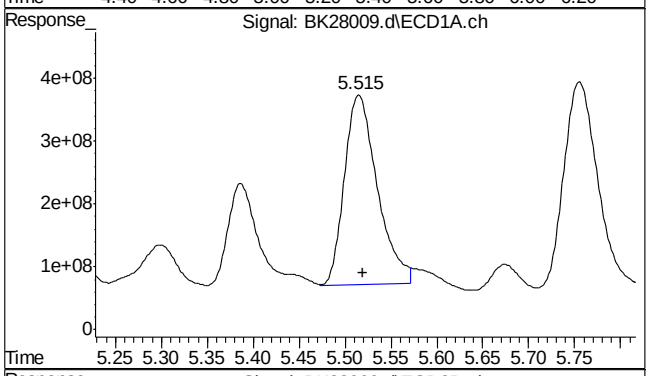
#34 AR1254-C

R.T.: 5.154 min
Delta R.T.: -0.004 min
Response: 21128323281
Conc: 563.20 ppb m



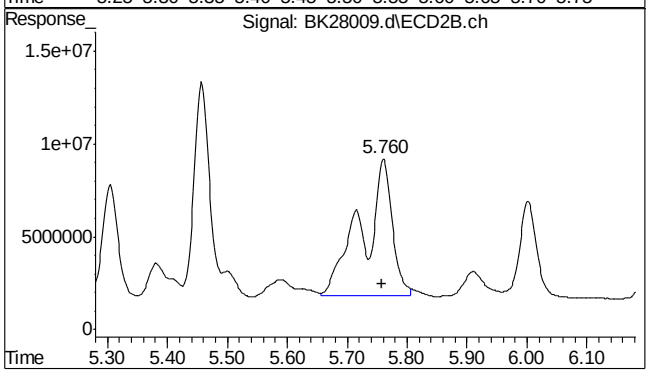
#34 AR1254-C

R.T.: 5.457 min
Delta R.T.: 0.002 min
Response: 462703674
Conc: 499.54 ppb m



#35 AR1254-D

R.T.: 5.515 min
Delta R.T.: -0.005 min
Response: 7510866042
Conc: 553.54 ppb m



#35 AR1254-D

R.T.: 5.760 min
Delta R.T.: 0.002 min
Response: 254943684
Conc: 483.94 ppb m

11.6.27
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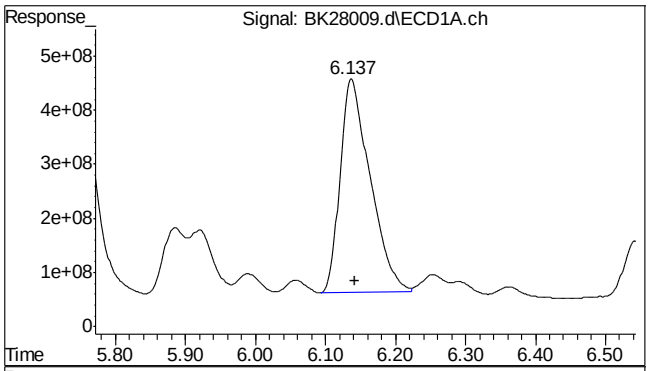
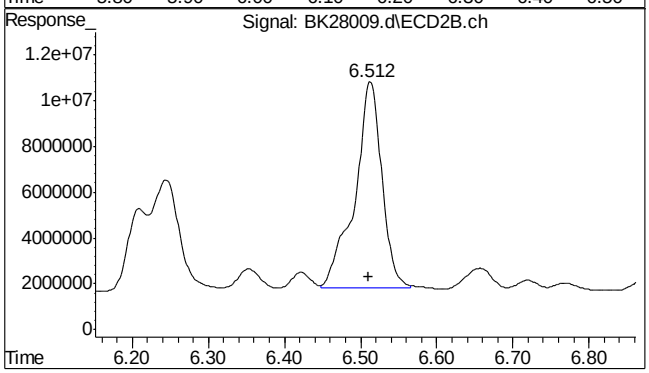


#36 AR1254-E

R.T.: 6.136 min
Delta R.T.: -0.006 min
Response: 11768383786
Conc: 577.35 ppb m



#36 AR1254-E

R.T.: 6.512 min
Delta R.T.: 0.001 min
Response: 224210337
Conc: 495.49 ppb m

Accutest Laboratories of New England, Inc.

Instrument: GC 26 (BE)

GC Analysis Log - Extractables

Run Date: 7/8/13

Analyst Signature: AV

Standard Data

Lot #	Description	Conc
GS16968	ddt	100/200 ng/L
GS16934	Pest cmk	100 ↓

Column Information: Front : RTX-5 Alternate:

Rear : RTX-5 Alternate:

Sequence File: 130708A.S

Quantitation Methods: PT130708

Instrument Run Batches: GBE 1943

Data Acquisition Methods: GC26PES1 Inj. Vol: 1 uL

Inj. Vol:

Date of ICAL: 7/8/13 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext. Batch	Analysis	Matrix	Dilution	Comments
90	BE37408	ddt	N/A	8081Pest	N/A	N/A	after maintenance prime.
90	09	↓					GS16968
76	10	ic 1943-1000					GS17084 ~~cf~~ ct
77	11	-500					85 AV. ct
78	12	-500					GS16932; 93 17004 4/16/60
79	13	-500					33 Pest
80	14	-250					34
81	15	icc1943-100					35
82	16	ic1943-50					
83	17	-10					36
84	18	-5					37
85	19	icv1943-100					GS17052 icv ok
30	20	jb41083-13A	↓		↓		
1	21	op33919-mb	op33919		W		
2	22	-bs				↓	pcb
3	23	-bsl				1:10	Pest
4	24	-ms				↓	↓
5	25	-msd				↓	
6	26	-tap				N/A	
7	27	mc22436-1	↓		↓		
9	28	op33922-mb	op33922		S		
10	29	↓ -bs	↓		↓		
100	30	cc1943-100	N/A		N/A		GS16934 Pest ok
90	31	ddt	↓		↓		↓ 68 ok
11	32	jb41083-10A	op33922		S		
12	33	op33896-mb	op33896		W		
13	↓ 34	↓ -bs	↓	↓	↓	↓	

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.

Dilution Solvent: J.T. Baker Lot#: 40739

GC011-01
Date: 02/26/07

Review:

ACCUTEST LABORATORIES MC23272

Accutest Laboratories of New England, Inc.

Instrument: GC 26 (BE)

GC Analysis Log - Extractables

Run Date: 7/8/13

Analyst Signature: AP

Standard Data

Lot #	Description	Conc
	See Previous Page	

Column Information: Front : RTX-5 Alternate:

Rear : RTX-5 Alternate:

Sequence File: See Previous Page

Quantitation Methods:

Instrument Run Batches:

Data Acquisition Methods:

Inj. Vol:

Inj. Vol:

Date of ICAL: 7/8/13 ICAL Verified _____ Sample positions verified against sequence: _____

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
14	BE37435	op33896-ms	op33896	8081Pest	W	N/A	
15	36	↓ -msd	↓	↓	↓	↓	
16	37	mc22181-1A	↓	↓	↓	↓	
17	38	op33911-mb	op33911	↓	↓	↓	
18	39	-bs	↓	↓	↓	↓	
19	40	-ms	↓	↓	↓	↓	
20	41	↓ -msd	↓	↓	↓	↓	
99	42	cc1943-100	N/A	↓	N/A	↓	pest ok ok
90	43	ddt	↓	↓	↓	↓	
21	44	mc22252-1	op33911	↓	W	↓	ddd/dde/ddt sig 2
8	45	608 spike	p06655	↓	N/A	1:500	ext spike (608) test run
22	46	op33922-ms	op33922	↓	S	N/A	ddd/dde/ddt sig 2
23	47	↓ -msd	↓	↓	↓	↓	
24	48	mc22449-1	↓	↓	↓	↓	
25	49	-2	↓	↓	↓	↓	
26	50	-3	↓	↓	↓	↓	
27	51	-4	↓	↓	↓	↓	
28	52	-5	↓	↓	↓	↓	
29	53	-6	↓	↓	↓	↓	
99	54	cc1943-100	N/A	↓	N/A	↓	pest ddt sig 1 low sig 2 ok
130	55	mc18020-11	Hex	test run (ext.)			

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: J.T. Baker Lot#: 10439

GC011-01
Date: 02/26/07

Review: _____

ACCUTEST LABORATORIES MC23272

11.7.1 11

Accutest Laboratories of New England, Inc. Instrument: GC 26 (BE)

GC Analysis Log - Extractables

Run Date: 8.15.13 Analyst Signature: NK

Standard Data

Lot #	Description	Conc
GS116968	DDT	100/200 µg/L
GS116934	Pest	100 µg/L

NK 8.16.13

Column Information: Front : RTX-5 Alternate:
Rear : RTX-5 Alternate:
Sequence File: 130815
Quantitation Methods: PT130815
Instrument Run Batches: GBE1960
Data Acquisition Methods: GC26 Pest1 Inj. Vol: 1 µl
Inj. Vol:

Date of ICAL: 7.9.13 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
100	BE37664	DDT	NA	PB081	NA	NA	DDT OK(sig 1)
96	65	CC1943-100					Pest out
100	66	DDT					Prime after Maintenance
100	67	DDT					DDT OK
96	68	CC1943-100					Pest OK
1	69	OP34388-MB	OP34388		W		20"A" Fix
2	70	-BS					
3	71	-MS					
4	72	-MSD					
5	73	MC23415-1A					
6	74	OP34308-MB	OP34308		S		
7	75	-BS					
8	76	MC23325-1					
9	77	-2					
96	78	CC1943-100					Pest OK
100	79	DDT					DDT OK
11	80	OP34308-MS					
12	81	-MSD					
13	82	MC23272-3					
96	83	ECC1943-100					Pest OK

NK 8.16.13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC011-01
Date: 02/26/07

Review:

ACCUTEST LABORATORIES MC23272

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 8.13.13 Analyst Signature: NS pg 1 of 3

Standard Data

Lot #	Description	Conc
GS17003	A16/60	750 µg/L

NS 8.14.13

Column Information: Front : RTX-5 Alternate:
Rear : RTX-5 Alternate:
Sequence File: 130813
Quantitation Methods: PC130813
Instrument Run Batches: GBK949
Data Acquisition Methods: GC31PCB Inj. Vol: 1 µl
Inj. Vol:

Date of ICAL: 8.13.13 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
51	BK27821	ICV949-1000	NA	P8082	NA	NA	A16/60 GS17002
52	22	-750					03
53	23	-500					04
54	24	-250					05
55	25	-100					06
56	26	-50					✓ 07
57	27	-500					A21/54 GS16980
58	28	-500					A32/60 81
59	29	-500					A42/68 39
60	30	✓ -500					A48 ✓ 40
61	31	ICV949-500					A16/60 GS17009 ICV OK
X57	32	CCV949-500			✓		A21/54 GS16980 OK(TG)
21	33	OP34357-MB	OP34357		S		
22	34	-BS					
23	35	-BSD					
24	36	-MS					
25	37	✓ -MSD					
26	38	MC23131-30					Rerun 1:100
7	39	OP34351-MS,					
8	41	✓ -MSD,					
9	41	MC23131-					Rerun 1:100
10	42	✓ -					✓ 1:5
100	43	CC949-750					A16/60 OK
11	44	MC23131-35					RE
12	45	-36					Rerun 1:5
13	46	-35					1:20
14	✓ 47	✓ -39	✓	✓	✓	✓	✓ 1:100

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC014-01
Date: 9/15/10

Review:

ACCUTEST LABORATORIES MC23272

11.7.3 11

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 8.13.14 13 Analyst Signature: BK pg 2 of 3

Standard Data

~~Lot #~~	~~Description~~	~~Conc~~
	SEE PAGE 1	

Column Information: ~~Front : RTX-5 Alternate:~~
Rear : RTX-5 Alternate:
Sequence File:
Quantitation Methods:
Instrument Run Batches:
Data Acquisition Methods: SEE PAGE 1 Inj. Vol:
~~Inj. Vol:~~

Date of ICAL: ICAL Verified Sample positions verified against sequence:

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
15	BK27848	MC23131-40	OP34351	PS082	S	NA	Rerun 1:100
16	49	-41					1:100
17	50	-42					1:5
18	51	-43					1:5
19	52	-44					1:20
20	53	-45					1:10
100	54	CCG49-75D					A16/60 OK
21	55	MC23131-46					Rerun 1:50
22	56	-48					1:20
23	57	-50					1:100
24	58	-51					1:200
25	59	-53					1:10
26	60	-30				1:100	
27	61	-					
28	62	-				1:5	
29	63	-36					
30	64	-38				1:20	
99	65	CCG49-75D				NA	A16/60
31	66	MC23131-39				1:100	
32	67	-40					
33	68	-41					
101	69	OP34278-MB	OP34278			NA	
102	70	-BS					
103	71	-MS					
104	72	-MSD					
110	73	MC23218-2					
111	74	-3					

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: ~~DCM~~ Hexane Lot#: HC1361

GC014-01
Date: 9/15/10

Review:

ACCUTEST LABORATORIES MC23272

11.7.3 11

Accutest Laboratories of New England, Inc.

Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 8.13.13

Analyst Signature: NS pg 3 of 3

Standard Data

~~Lot #~~	~~Description~~	~~Conc~~

Column Information: ~~Front : RTX-5 Alternate:~~

Rear : RTX-5 Alternate:

Sequence File:

Quantitation Methods:

Instrument Run Batches:

Data Acquisition Methods:

Inj. Vol:

~~Inj. Vol:~~

Date of ICAL: ICAL Verified

Sample positions verified against sequence:

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
112	BK27875	MC23218-4	OP34278	P8082	S	NA	
99	76	CCL949-75C					A16/60 OK
105	77	MC23219-1					
106	78	-2					
107	79	MC23133-1					
108	80	MC23134-1					
109	81	MC23135-1					
113	82	MC23218-5					
114	83	-6					
115	84	-7					
117	85	-9					
119	86	-11					
98	87	CCL949-75D					A16/60 OK
116	88	MC23218-8					Rerun 1:2
118	89	-10					
120	90	-12					
121	91	-13					
122	92	-14					
98	93	FCCL949-75D					A16/60 CK

8.14.13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC014-01
Date: 9/15/10

Review:

ACCUTEST LABORATORIES MC23272

11.7.3 11

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 8.15.13 Analyst Signature: NK pg 1 of 2

Standard Data

Lot #	Description	Conc
GS17003	A16/60	750 ug/L
GS16982	A21/54	500 ug/L
	NS 8.16.13	

Column Information: Front : RTX-5 Alternate:
Rear : RTX-5 Alternate:
Sequence File: 130815
Quantitation Methods: PC130815
Instrument Run Batches: GBK953
Data Acquisition Methods: GC31pcB Inj. Vol: 1ul
Inj. Vol:

Date of ICAL: 8.13.13 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
98	BK27997A	CC949-750	OP34307	P8C82	S	NA	A16/60 (Shared) OK
38	98	OP34307-MB					
39	99	-BS					
40	BK28000	-MS					
41	01	-MSD					
42	02	MC23272-3					
43	03	MC23304-3					Rerun 1:10 Do not report
44	04	MC23325-1					
45	05	-2	✓				
49	06	OP34377-MB	OP34377				
50	07	-BS					
98	08	CC949-750					A16/60 OK
91	09	-500					A21/54 OK(TG)
51	10	OP34377-BSD					
52	11	-MS					
53	12	-MSD					
54	13	MC23142-8					Rerun 1:5
55	14	-10					1:5
56	15	-11					1:20
57	16	-13					1:10
58	17	-15					1:20
59	18	-16					1:20
60	19	-18					1:100
97	20	CC949-750					A16/60 OK (TG)
61	21	MC23142-20					Rerun 1:100
62	22	-21					1:20
63	23	-22	✓	✓	✓	✓	1:20

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC014-01
Date: 9/15/10

Review:

ACCUTEST LABORATORIES MC23272

11.7.4 11

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 8.15.13 Analyst Signature: NK pg 2 of 2

Standard Data

Lot #	Description	Conc
	SEE PAGE 1	

Column Information: ~~Front : RTX-5 Alternate:~~
Rear : RTX-5 Alternate:
Sequence File:
Quantitation Methods:
Instrument Run Batches:
Data Acquisition Methods: SEE PAGE 1
Inj. Vol:
~~Inj. Vol:~~

Date of ICAL: ICAL Verified Sample positions verified against sequence:

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
64	BK28024	MC23142-23	OP24377	PSDS2	S	NA	Recon 1:20
65	25	-24					✓ 1:5
66	26	-25					
67	27	-26					
68	28	-27					Recon 1:100
69	29	-28					✓ 1:5
70	30	✓ -29					
97	31	CCG49-750					All 6/6 OK
71	32	MC23142-2A					Recon 1:5
72	33	-31					
73	34	✓ -32					
97	✓ 35	FLL949-750	✓	✓	✓	✓	All 6/6 OK

NK 8.16.13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC014-01
Date: 9/15/10

Review:

ACCUTEST LABORATORIES

Approximate Gram weight equals +/- 0.5g

Extracted by: MP, ME
Spike Witness: BJ
Concentrated by: MN
Fractionated by: —

Date/Time: 8/7/13 1100
Date/Time: ↓
Batch: OP34307 (PCB) OP34308 (Pest)
Matrix: **Soil/Solid**; Sand Lot:

Extraction Method: ASE #1 ASE #2 ASE #3 ASE # 4 Sonicate
Soxhlet: SW 3540C SW 3545A SW 3545A SW3545A SW3545A SW3550B

Analysis Method: PCB(1)/Pest TCL PCB(2) PAH
Waste Dilution: SW3580 Micro SW-3546

	Sample	Bottle No.	ASE Position	Initial Weight (g)	Final Volume (ml)	**Cleanup/Comments (3660B, 3630, 3665 other)	Received by: Date:
1	OP34307 MB	NA	N/A	20.91	10mL	shares w/ OP34308	8/15/13
2	↓ BS	↓		15.75		PCB SPK	
3	MC23272-3MS	1		5.37		limited volume	
4	↓ -3 MSD	1		5.31		↓ ↓	
5	BS	NA		15.94		Pest Spk	
6	MC23272-3MS	1		5.37		limited volume	
7	-3 MSD	1		5.49		↓ ↓	
8	MC23272-3	1	5.69	~~5.~~ ~~20.~~		I.V = 5.69 limited volume	
9	MC23304-3	1		15.39		PCB Strong odor	
10	MC23525-1	1		20.51		↓ PCB/PEST	
11	↓ -2	1	↓	10.50	↓	Concrete	↓
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

MR SP

MW 8/15/13

Fraction	Bottle #	Lot #	Concentration	Volume
Surrogate: PCB	1	6941	4.0 ug/mL	100uL
Surrogate:				
Spike: PCB	8	6847	4.0 ug/mL	1.0 mL
Spike: Pest	1	6856	20/20.0 ug/mL	100 uL
Spike:				
Spike:				
Spike:				
Hexane Frac. Volume:	NA	NA	NA	
Soxhlet Start/Stop Date/Time:		Filter Paper Lot #	FC005741	

H2SO4 Lot #: —
Ether: 000043525
MeCl2: DI 823
Hexane: 000043501
MeCl2/Acetone: —
Acetone: 132442
Acetonitrile: —
Na Sulfate Lot #: 13774
Silica Lot #: —
SPE MFG/Lot #: —
Copper: 144071.LE
Hydromatrix: —
Florisil: —
Sand Lot #: —

Balance ID: 8
Water Bath Temp: 40°C Water Bath ID: —
Laboratory Percent Humidity: —

*Note volume of extract: N = Normal
L = Low

Reviewed by: —

Tray #: MSI-1

** Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup; 3620 = Florisil
**For Soxhlet extraction document date/time started and finished

OP001-16 (10/23/12)

11.8.1 11

ACCUTEST LABORATORIES

Approximate Gram weight equals +/- 0.5g

Extracted by: MR , NE
Spike Witness: BS
Concentrated by: MW
Fractionated by: —

Date/Time: 8/7/13 1100
Date/Time: "
Batch: OP34307 (PCB) OP34308 (Pest)
Matrix: **Soil/Solid**; Sand Lot:
Analysis Method: PEST/PCB 8082, 8081 TCL

Extraction Method: Soxhlet: SW 3540C | ASE #1: SW 3545A | ASE #2: SW 3545A | ASE #3: SW3545A | ASE # 4: SW3545A | Sonicate: SW3550B
Waste Dilution: SW3580 | Micro: ~~SW-3546~~

	Sample	Bottle No.	ASE Position	Initial Weight (g)	Final Volume (ml)	**Cleanup/Comments (3660B, 3630, 3665, other)	Received by: Date:
1	op34307 MB	NA	N/A	20.91	10mL	shares w/ op34308	CL 8/15/13
2	" BS	"		15.75		PCB SPK	
3	mc23272-3MS	1		5.37		limited volume	
4	" -3 MSD	1		5.31		"	
5	BS	NA		15.94		Pest Spk	
6	mc23272-3MS	1		5.37		limited volume	
7	" -3 MSD	1		5.49		"	
8	mc23272-3	1	5.69 ~~20.~~		~~20.~~	I.W = 5.69 limited volume	
9	mc23304-3	1		15.39		PCB Strong odor	
10	mc23525-1	1		20.57		PCB/PEST	
11	" -2	1		10.50		Concrete	
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

MR 8/7

MW 8/15/13

Fraction	Bottle #	Lot #	Concentration	Volume
Surrogate: PCB	1	6941	4.0 ug/mL	100uL
Surrogate:				
Spike: PCB	8	6847	4.0 ug/mL	1.0 mL
Spike: Pest	1	6856	20/20.0 ug/mL	100 uL
Spike:				
Spike:				
Spike:				
Hexane Frac. Volume:	NA	NA	NA	
Soxhlet Start/Stop Date/Time:		Filter Paper Lot #	FC00574	

H2SO4 Lot #: —
Ether: 800043525
MeCl2: DI 823
Hexane: 000043501
MeCl2/Acetone: —
Acetone: 132442
Acetonitrile: —
Na Sulfate Lot #: B774
Silica Lot #: —
SPE MFG/Lot #: —
Copper: 14407 LE
Hydromatrix: —
Florisil: —
Sand Lot #: —

Balance ID: 8
Water Bath Temp: 40°C Water Bath ID: —
Laboratory Percent Humidity: —

*Note volume of extract: N = Normal, L = Low

Reviewed by:

Tray #: MSI-1

** Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup; 3620 = Florisil
**For Soxhlet extraction document date/time started and finished

OP001-16 (10/23/12)

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11.8.2 11

New England ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:34	MA15961-STD1	1		STD1
08:39	MA15961-STD2	1		STD2
08:43	MA15961-STD3	1		STD3
08:47	MA15961-STD4	1		STD4
08:52	MA15961-ICV1	1		
09:00	MA15961-ICB1	1		
09:04	MA15961-CCV1	1		
09:15	ZZZZZZ	1		DNR: SEE RERUN FOR CCB.
09:22	MA15961-CCB1	1		
09:28	MA15961-CRI1	1		
09:32	MA15961-CRI2	1		
09:39	MA15961-ICSA1	1		
09:43	MA15961-ICSAB1	1		
09:48	MP21454-B1	1		
09:52	MP21454-MB1	1		
09:56	MP21454-S1	1		ISTD Y3710 FAILURE; MS OUT FOR B, SE, TI & ZN, NEED PS.
10:01	MP21454-S2	1		ISTD Y3710 FAILURE.
10:05	MC23211-2	1		(sample used for QC only; not part of login MC23272)
10:09	MP21454-SD1	5		
10:14	MA15961-CCV2	1		
10:18	MA15961-CCB2	1		
10:24	MP21454-B2	1		
10:28	ZZZZZZ	1		
10:32	ZZZZZZ	1		
10:37	ZZZZZZ	1		
10:41	ZZZZZZ	1		
10:46	ZZZZZZ	1		
10:50	ZZZZZZ	1		
10:54	ZZZZZZ	1		
10:58	ZZZZZZ	1		
11:03	ZZZZZZ	1		
11:07	MA15961-CCV3	1		
11:11	MA15961-CCB3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:16	ZZZZZZ	1		
11:20	ZZZZZZ	1		
11:25	ZZZZZZ	1		
11:29	ZZZZZZ	1		
11:33	ZZZZZZ	1		
11:38	ZZZZZZ	1		
11:42	ZZZZZZ	1		
11:46	ZZZZZZ	1		
11:51	ZZZZZZ	1		
11:55	ZZZZZZ	1		
12:00	MA15961-CCV4	1		
12:04	MA15961-CCB4	1		
12:08	MP21459-B1	1		
12:12	MP21459-MB1	1		
12:17	MP21459-S1	1		
12:21	MP21459-S2	1		
12:25	MC23198-1F	1		(sample used for QC only; not part of login MC23272)
12:30	MP21459-SD1	5		
12:34	MP21459-B2	1		
12:38	MP21459-MB2	1		
12:43	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:51	MA15961-CCV5	1		
12:56	MA15961-CCB5	1		
13:00	ZZZZZZ	1		
13:04	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:13	ZZZZZZ	1		
13:18	ZZZZZZ	1		
13:22	ZZZZZZ	1		
13:27	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:36	MP21454-S1	2		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:40	MP21454-S2	2		
13:45	MA15961-CCV6	1		
13:49	MA15961-CCB6	1		
13:53	MC23211-2	2		(sample used for QC only; not part of login MC23272)
13:58	MP21454-SD1	10		
14:08	ZZZZZZ	1		DNR: SEE RERUN FOR CRI.
14:15	MA15961-CRI3	1		
14:21	ZZZZZZ	1		DNR: SEE RERUN FOR CRI.
14:29	MA15961-CRI4	1		
14:37	MA15961-ICSA2	1		
14:41	MA15961-ICSAB2	1		
14:46	MA15961-CCV7	1		
14:50	MA15961-CCB7	1		
14:54	MA15961-CRIA1	1		
14:59	MP21470-B1	1		
15:03	MP21470-MB1	1		
15:07	MP21470-S1	1		
15:11	MP21470-S2	1		
15:16	JB42561-22T	1		(sample used for QC only; not part of login MC23272)
15:20	MP21470-SD1	5		
15:24	MP21470-LC1	1		
15:29	MC23272-6	1		
15:33	ZZZZZZ	1		
15:37	MA15961-CCV8	1		
15:41	MA15961-CCB8	1		
15:46	MP21462-B1	1		
15:50	MP21462-MB1	1		
15:54	MP21462-S1	1		
15:59	MP21462-S2	1		
16:03	MC23218-2	1		(sample used for QC only; not part of login MC23272)
16:07	MP21462-SD1	5		
16:12	MP21462-B2	1		
16:16	MP21462-LC1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:20	MP21462-S3	1		MS OUT FOR B, NEED PS.
16:24	MP21462-S4	1		
16:29	MA15961-CCV9	1		
16:33	MA15961-CCB9	1		
16:37	MC23230-1	1		(sample used for QC only; not part of login MC23272)
16:42	ZZZZZZ	1		
16:46	ZZZZZZ	1		
16:50	ZZZZZZ	1		
16:55	ZZZZZZ	1		
16:59	ZZZZZZ	1		
17:03	ZZZZZZ	1		
17:08	ZZZZZZ	1		
17:12	ZZZZZZ	1		
17:16	ZZZZZZ	1		
17:21	MA15961-CCV10	1		
17:25	MA15961-CCB10	1		
17:29	ZZZZZZ	1		
17:33	ZZZZZZ	1		
17:38	ZZZZZZ	1		
17:42	ZZZZZZ	1		
17:47	ZZZZZZ	1		
17:51	ZZZZZZ	1		
17:55	ZZZZZZ	1		
18:00	ZZZZZZ	1		
18:04	ZZZZZZ	1		
18:08	MP21457-B1	1		
18:13	MA15961-CCV11	1		
18:17	MA15961-CCB11	1		
18:21	MP21457-MB1	1		
18:26	MP21457-S1	1		
18:30	MP21457-S2	1		
18:34	MC23213-18	1		(sample used for QC only; not part of login MC23272)
18:38	MP21457-SD1	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:43	MP21457-B2	1		
18:47	MP21457-LC1	1		
18:51	ZZZZZZ	1		
18:56	ZZZZZZ	1		
19:00	ZZZZZZ	1		
19:04	MA15961-CCV12	1		
19:08	MA15961-CCB12	1		
19:13	ZZZZZZ	1		
19:17	ZZZZZZ	1		
19:22	ZZZZZZ	1		
19:26	ZZZZZZ	1		
19:30	ZZZZZZ	1		
19:34	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:43	ZZZZZZ	1		
19:47	ZZZZZZ	1		
19:52	ZZZZZZ	1		
19:56	MA15961-CCV13	1		
20:00	MA15961-CCB13	1		
20:05	ZZZZZZ	1		
20:09	ZZZZZZ	1		
20:13	ZZZZZZ	1		
20:18	ZZZZZZ	1		
20:22	ZZZZZZ	1		
20:27	ZZZZZZ	1		
20:31	MP21470-PS1	1		
---------->	Last reportable sample/prep for job MC23272			
20:35	ZZZZZZ	1		RINSECONF.
20:40	MA15961-CCV14	1		
20:44	MA15961-CCB14	1		
20:49	MA15961-CRIA2	1		
20:53	MA15961-ICSA3	1		
20:57	MA15961-ICSAB3	1		
21:02	MA15961-CCV15	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:06	MA15961-CCB15	1		
---------->	Last reportable CCB for job MC23272			
21:10	MA15961-CRIB1	1		
21:15	MP21465-B1	1		
21:19	MP21465-MB1	1		
21:23	MP21465-S1	1		
21:28	MP21465-S2	1		
21:32	MC22060-1R	1		(sample used for QC only; not part of login MC23272)
21:36	MP21465-SD1	5		
21:41	MP21465-B2	1		
21:45	MP21465-LB1	1		
21:49	ZZZZZZ	1		
21:54	MA15961-CCV16	1		
21:58	MA15961-CCB16	1		
22:02	ZZZZZZ	1		
22:07	ZZZZZZ	1		
22:11	ZZZZZZ	1		
22:15	ZZZZZZ	1		
22:20	ZZZZZZ	1		
22:24	ZZZZZZ	1		
22:28	ZZZZZZ	1		
22:33	ZZZZZZ	1		
22:37	ZZZZZZ	1		
22:41	ZZZZZZ	1		
22:46	MA15961-CCV17	1		
22:50	MA15961-CCB17	1		
22:54	ZZZZZZ	1		
22:59	MP21467-B1	1		
23:03	MP21467-MB1	1		
23:08	MP21467-S1	1		
23:12	MP21467-S2	1		
23:17	MC23219-1A	1		(sample used for QC only; not part of login MC23272)
23:21	MP21467-SD1	5		
23:26	MP21467-LB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:30	MP21467-LB2	1		
23:35	MA15961-CCV18	1		
23:39	MA15961-CCB18	1		
23:43	MP21467-LS1	1		
23:48	ZZZZZZ	1		
23:52	ZZZZZZ	1		
23:57	ZZZZZZ	1		
00:02	ZZZZZZ	1		
00:06	ZZZZZZ	1		
00:11	ZZZZZZ	1		
00:16	ZZZZZZ	1		
00:20	ZZZZZZ	1		
00:25	ZZZZZZ	1		
00:29	MA15961-CCV19	1		
00:34	MA15961-CCB19	1		
00:38	MA15961-CRIB2	1		
00:42	MA15961-ICSA4	1		
00:47	MA15961-ICSAB4	1		
00:51	MA15961-CCV20	1		
00:56	MA15961-CCB20	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
08:34	MA15961-STD1	1385 R	55372 R	10477 R
08:39	MA15961-STD2	1397	56061	9992
08:43	MA15961-STD3			10282
08:47	MA15961-STD4	1419	54757	10141
08:52	MA15961-ICV1	1394	54241	9952
09:00	MA15961-ICB1	1404	54206	10159
09:04	MA15961-CCV1	1384	53059	10103
09:15	ZZZZZZ	1404	52842	9923
09:22	MA15961-CCB1	1384	52415	9984
09:28	MA15961-CRI1	1409	54426	10316
09:32	MA15961-CRI2	1397	53896	10343
09:39	MA15961-ICSA1	1241	50072	10238
09:43	MA15961-ICSAB1	1254	50028	10244
09:48	MP21454-B1	1368	53645	10307
09:52	MP21454-MB1	1377	54089	10542
09:56	MP21454-S1	1691	68169	13637 !a
10:01	MP21454-S2	1694	69045	13706 !a
10:05	MC23211-2	1691	68416	13510
10:09	MP21454-SD1	1439	56497	11200
10:14	MA15961-CCV2	1360	53220	10349
10:18	MA15961-CCB2	1384	53909	10406
10:24	MP21454-B2	1359	52864	10364
10:28	ZZZZZZ	1371	53222	10576
10:32	ZZZZZZ	1378	53662	10566
10:37	ZZZZZZ	1358	52891	10414
10:41	ZZZZZZ	1369	53170	10617
10:46	ZZZZZZ	1384	53306	10572
10:50	ZZZZZZ	1381	54374	10503
10:54	ZZZZZZ	1388	53526	10609
10:58	ZZZZZZ	1392	53763	10566
11:03	ZZZZZZ	1374	53383	10523
11:07	MA15961-CCV3	1378	53454	10368
11:11	MA15961-CCB3	1399	53954	10396

INTERNAL STANDARD SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
11:16	ZZZZZZ	1372	53194	10634
11:20	ZZZZZZ	1468	57598	11508
11:25	ZZZZZZ	1581	63541	12701
11:29	ZZZZZZ	1761	71676	14206 !a
11:33	ZZZZZZ	1400	55217	10940
11:38	ZZZZZZ	1373	53595	10563
11:42	ZZZZZZ	1355	50614	10326
11:46	ZZZZZZ	1366	53389	10537
11:51	ZZZZZZ	1359	53090	10548
11:55	ZZZZZZ	1376	53605	10488
12:00	MA15961-CCV4	1368	53535	10486
12:04	MA15961-CCB4	1383	53585	10398
12:08	MP21459-B1	1366	53519	10518
12:12	MP21459-MB1	1376	53880	10376
12:17	MP21459-S1	1366	53818	10380
12:21	MP21459-S2	1362	52962	10394
12:25	MC23198-1F	1381	53818	10571
12:30	MP21459-SD1	1382	53642	10309
12:34	MP21459-B2	1368	53687	10428
12:38	MP21459-MB2	1377	53865	10516
12:43	ZZZZZZ	1376	53878	10628
12:47	ZZZZZZ	1375	56547	10518
12:51	MA15961-CCV5	1372	53955	10511
12:56	MA15961-CCB5	1381	53283	10373
13:00	ZZZZZZ	1342	52372	10252
13:04	ZZZZZZ	1366	54079	10985
13:09	ZZZZZZ	1336	52728	10291
13:13	ZZZZZZ	1338	52817	10193
13:18	ZZZZZZ	1357	52986	10552
13:22	ZZZZZZ	1361	53241	10569
13:27	ZZZZZZ	1363	52889	10329
13:31	ZZZZZZ	1364	53244	10481
13:36	MP21454-S1	1523	61502	11940

INTERNAL STANDARD SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
13:40	MP21454-S2	1539	61854	11990
13:45	MA15961-CCV6	1359	53940	10457
13:49	MA15961-CCB6	1386	53872	10545
13:53	MC23211-2	1533	61350	12012
13:58	MP21454-SD1	1416	55717	10914
14:08	ZZZZZZ	1389	53726	10507
14:15	MA15961-CRI3	1398	54800	10369
14:21	ZZZZZZ	1377	53781	10452
14:29	MA15961-CRI4	1382	54203	10343
14:37	MA15961-ICSA2	1240	49903	10433
14:41	MA15961-ICSAB2	1241	49958	10143
14:46	MA15961-CCV7	1356	53838	10539
14:50	MA15961-CCB7	1379	54501	10477
14:54	MA15961-CRIA1	1364	54112	10336
14:59	MP21470-B1	1366	54233	10425
15:03	MP21470-MB1	1379	54492	10411
15:07	MP21470-S1	1525	60443	11925
15:11	MP21470-S2	1518	62006	11600
15:16	JB42561-22T	1542	60603	11853
15:20	MP21470-SD1	1406	55536	10701
15:24	MP21470-LC1	1457	58095	11336
15:29	MC23272-6	1398	56381	11166
15:33	ZZZZZZ	1429	57385	11154
15:37	MA15961-CCV8	1374	53943	10600
15:41	MA15961-CCB8	1382	54328	10510
15:46	MP21462-B1	1368	54206	10360
15:50	MP21462-MB1	1382	54920	10705
15:54	MP21462-S1	1485	58465	11300
15:59	MP21462-S2	1479	61737	11525
16:03	MC23218-2	1489	59281	11698
16:07	MP21462-SD1	1405	55597	10733
16:12	MP21462-B2	1359	53890	10378
16:16	MP21462-LC1	1474	58879	11552

INTERNAL STANDARD SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
16:20	MP21462-S3	1366	54372	10497
16:24	MP21462-S4	1381	54678	10194
16:29	MA15961-CCV9	1366	54328	10774
16:33	MA15961-CCB9	1384	55624	10607
16:37	MC23230-1	1403	54992	10649
16:42	ZZZZZZ	1390	54781	10725
16:46	ZZZZZZ	1389	54792	10667
16:50	ZZZZZZ	1451	58693	11952
16:55	ZZZZZZ	1427	56924	11175
16:59	ZZZZZZ	1431	57508	11131
17:03	ZZZZZZ	1482	60023	11809
17:08	ZZZZZZ	1494	59770	11659
17:12	ZZZZZZ	1442	57994	11515
17:16	ZZZZZZ	1612	64440	12638
17:21	MA15961-CCV10	1363	54049	10623
17:25	MA15961-CCB10	1378	54805	10550
17:29	ZZZZZZ	1470	59312	11624
17:33	ZZZZZZ	1486	60545	11616
17:38	ZZZZZZ	1481	60523	11787
17:42	ZZZZZZ	1482	60097	11818
17:47	ZZZZZZ	1339	54077	11168
17:51	ZZZZZZ	1544	61828	12036
17:55	ZZZZZZ	1498	60477	11793
18:00	ZZZZZZ	1528	60530	11783
18:04	ZZZZZZ	1446	58902	11785
18:08	MP21457-B1	1374	55631	10575
18:13	MA15961-CCV11	1371	54432	10513
18:17	MA15961-CCB11	1378	54374	10506
18:21	MP21457-MB1	1382	54579	10587
18:26	MP21457-S1	1438	57691	11181
18:30	MP21457-S2	1442	58127	11668
18:34	MC23213-18	1470	58012	11415
18:38	MP21457-SD1	1383	55503	10750

INTERNAL STANDARD SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
18:43	MP21457-B2	1358	53791	10421
18:47	MP21457-LC1	1468	59039	11561
18:51	ZZZZZZ	1467	58826	11697
18:56	ZZZZZZ	1458	58319	11548
19:00	ZZZZZZ	1560	62452	12251
19:04	MA15961-CCV12	1363	54075	10638
19:08	MA15961-CCB12	1369	54915	10420
19:13	ZZZZZZ	1457	58412	11503
19:17	ZZZZZZ	1430	58350	11533
19:22	ZZZZZZ	1442	57874	11341
19:26	ZZZZZZ	1431	57398	11099
19:30	ZZZZZZ	1481	59528	11555
19:34	ZZZZZZ	1463	58103	11502
19:39	ZZZZZZ	1492	59651	11748
19:43	ZZZZZZ	1442	57363	11396
19:47	ZZZZZZ	1476	58890	11643
19:52	ZZZZZZ	1482	58934	11570
19:56	MA15961-CCV13	1380	54115	10780
20:00	MA15961-CCB13	1404	54436	10881
20:05	ZZZZZZ	1502	58601	11793
20:09	ZZZZZZ	1490	58722	11842
20:13	ZZZZZZ	1530	60461	12135
20:18	ZZZZZZ	1385	55336	11372
20:22	ZZZZZZ	1431	57392	11655
20:27	ZZZZZZ	1446	58615	11574
20:31	MP21470-PS1	1545	61825	11919
20:35	ZZZZZZ	1394	54993	10676
20:40	MA15961-CCV14	1365	53842	10680
20:44	MA15961-CCB14	1379	54305	10619
20:49	MA15961-CRIA2	1379	54242	10727
20:53	MA15961-ICSA3	1242	50276	10506
20:57	MA15961-ICSAB3	1254	50558	10384
21:02	MA15961-CCV15	1381	54432	10774

INTERNAL STANDARD SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
21:06	MA15961-CCB15	1404	54655	10553
21:10	MA15961-CRIB1	1403	54814	10714
21:15	MP21465-B1	1400	53767	10944
21:19	MP21465-MB1	1406	55112	10912
21:23	MP21465-S1	1403	54409	10953
21:28	MP21465-S2	1406	54899	10932
21:32	MC22060-1R	1400	55088	10919
21:36	MP21465-SD1	1391	54592	10671
21:41	MP21465-B2	1383	54259	10753
21:45	MP21465-LB1	1389	54800	10714
21:49	ZZZZZZ	1381	55530	10846
21:54	MA15961-CCV16	1380	54292	10826
21:58	MA15961-CCB16	1399	54701	10835
22:02	ZZZZZZ	1396	54779	10748
22:07	ZZZZZZ	1398	55742	11076
22:11	ZZZZZZ	1388	54104	10904
22:15	ZZZZZZ	1383	54102	10802
22:20	ZZZZZZ	1378	54803	10780
22:24	ZZZZZZ	1380	54818	10909
22:28	ZZZZZZ	1386	54302	10768
22:33	ZZZZZZ	1384	54640	10847
22:37	ZZZZZZ	1386	54196	10882
22:41	ZZZZZZ	1391	54496	10826
22:46	MA15961-CCV17	1386	54099	10861
22:50	MA15961-CCB17	1406	54887	10725
22:54	ZZZZZZ	1407	54853	10886
22:59	MP21467-B1	1418	54649	10967
23:03	MP21467-MB1	1404	54919	10877
23:08	MP21467-S1	1352	54106	10834
23:12	MP21467-S2	1350	49779	10954
23:17	MC23219-1A	1351	54350	11002
23:21	MP21467-SD1	1373	54648	10843
23:26	MP21467-LB1	1405	54240	10639

INTERNAL STANDARD SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
23:30	MP21467-LB2	1394	55667	11172
23:35	MA15961-CCV18	1368	54483	10709
23:39	MA15961-CCB18	1389	54306	10738
23:43	MP21467-LS1	1359	53697	10731
23:48	ZZZZZZ	1367	53933	10992
23:52	ZZZZZZ	1348	52977	10518
23:57	ZZZZZZ	1348	52832	10564
00:02	ZZZZZZ	1337	52696	10671
00:06	ZZZZZZ	1360	53139	10731
00:11	ZZZZZZ	1378	53574	10828
00:16	ZZZZZZ	1355	53221	10700
00:20	ZZZZZZ	1350	53182	10704
00:25	ZZZZZZ	1337	52695	10618
00:29	MA15961-CCV19	1374	54482	10703
00:34	MA15961-CCB19	1398	54928	10775
00:38	MA15961-CRIB2	1393	54724	10890
00:42	MA15961-ICSA4	1252	50333	10564
00:47	MA15961-ICSAB4	1255	50421	10360
00:51	MA15961-CCV20	1366	54273	10704
00:56	MA15961-CCB20	1375	54341	10697

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

(a) No element reported by this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15961 Units: ug/l

Time: / Sample ID:			09:00 ICB1		09:22 CCB1		10:18 CCB2		11:11 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12								
Antimony	6.0	1.1								
Arsenic	4.0	1.7	2.0	<4.0	1.7	<4.0	2.6	<4.0	1.4	<4.0
Barium	50	.32	0.0	<50	-0.20	<50	0.0	<50	-0.20	<50
Beryllium	4.0	.1								
Boron	100	1.1	anr							
Cadmium	4.0	.25	0.20	<4.0	-0.10	<4.0	0.10	<4.0	0.0	<4.0
Calcium	5000	21								
Chromium	10	.48	-0.20	<10	-0.50	<10	-0.20	<10	-0.40	<10
Cobalt	50	.29								
Copper	25	.93	anr							
Gold	50	1.5								
Iron	100	3.5								
Lead	5.0	1.2	0.50	<5.0	1.9	<5.0	1.5	<5.0	1.8	<5.0
Magnesium	5000	30								
Manganese	15	.16								
Molybdenum	100	.31								
Nickel	40	.45	anr							
Palladium	50	2.2								
Platinum	50	6.4								
Potassium	5000	54								
Selenium	10	1.7	2.3	<10	-0.20	<10	0.40	<10	1.5	<10
Silicon	100	2								
Silver	5.0	.81	-0.30	<5.0	0.40	<5.0	0.0	<5.0	0.10	<5.0
Sodium	5000	16								
Strontium	10	.12								
Thallium	5.0	1.2								
Tin	100	.87								
Titanium	50	.66	anr							
Tungsten	100	9.3								
Vanadium	10	.82								
Zinc	20	.45	anr							
Zirconium	50	.45								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15961 Units: ug/l

Time: / Sample ID:			12:04 CCB4		12:56 CCB5		13:49 CCB6		14:50 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12								
Antimony	6.0	1.1								
Arsenic	4.0	1.7	1.3	<4.0	1.5	<4.0	1.9	<4.0	0.90	<4.0
Barium	50	.32	-0.30	<50	-0.20	<50	0.10	<50	0.0	<50
Beryllium	4.0	.1								
Boron	100	1.1	anr							
Cadmium	4.0	.25	0.0	<4.0	0.0	<4.0	0.10	<4.0	0.30	<4.0
Calcium	5000	21								
Chromium	10	.48	-0.20	<10	-0.40	<10	-0.20	<10	-0.10	<10
Cobalt	50	.29								
Copper	25	.93	anr							
Gold	50	1.5								
Iron	100	3.5								
Lead	5.0	1.2	1.7	<5.0	1.5	<5.0	1.4	<5.0	1.2	<5.0
Magnesium	5000	30								
Manganese	15	.16								
Molybdenum	100	.31								
Nickel	40	.45	anr							
Palladium	50	2.2								
Platinum	50	6.4								
Potassium	5000	54								
Selenium	10	1.7	0.90	<10	1.1	<10	1.1	<10	1.0	<10
Silicon	100	2								
Silver	5.0	.81	-0.30	<5.0	0.20	<5.0	0.0	<5.0	-0.10	<5.0
Sodium	5000	16								
Strontium	10	.12								
Thallium	5.0	1.2								
Tin	100	.87								
Titanium	50	.66	anr							
Tungsten	100	9.3								
Vanadium	10	.82								
Zinc	20	.45	anr							
Zirconium	50	.45								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15961 Units: ug/l

Time: / Sample ID:			15:41 CCB8		16:33 CCB9		17:25 CCB10		18:17 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12								
Antimony	6.0	1.1								
Arsenic	4.0	1.7	1.1	<4.0	1.2	<4.0	1.1	<4.0	2.5	<4.0
Barium	50	.32	0.0	<50	0.0	<50	-0.20	<50	-0.10	<50
Beryllium	4.0	.1								
Boron	100	1.1	anr							
Cadmium	4.0	.25	0.0	<4.0	-0.10	<4.0	0.10	<4.0	-0.10	<4.0
Calcium	5000	21								
Chromium	10	.48	-0.60	<10	-0.20	<10	-0.30	<10	-0.40	<10
Cobalt	50	.29								
Copper	25	.93	anr							
Gold	50	1.5								
Iron	100	3.5								
Lead	5.0	1.2	1.3	<5.0	0.20	<5.0	1.6	<5.0	1.0	<5.0
Magnesium	5000	30								
Manganese	15	.16								
Molybdenum	100	.31								
Nickel	40	.45	anr							
Palladium	50	2.2								
Platinum	50	6.4								
Potassium	5000	54								
Selenium	10	1.7	0.60	<10	1.1	<10	0.70	<10	1.8	<10
Silicon	100	2								
Silver	5.0	.81	-0.40	<5.0	-0.10	<5.0	-0.30	<5.0	0.10	<5.0
Sodium	5000	16								
Strontium	10	.12								
Thallium	5.0	1.2								
Tin	100	.87								
Titanium	50	.66	anr							
Tungsten	100	9.3								
Vanadium	10	.82								
Zinc	20	.45	anr							
Zirconium	50	.45								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15961 Units: ug/l

Time: / Sample ID:			19:08 CCB12		20:00 CCB13		20:44 CCB14		21:06 CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12								
Antimony	6.0	1.1								
Arsenic	4.0	1.7	0.20	<4.0	0.80	<4.0	1.2	<4.0	0.70	<4.0
Barium	50	.32	0.0	<50	-0.10	<50	-0.10	<50	0.0	<50
Beryllium	4.0	.1								
Boron	100	1.1	anr							
Cadmium	4.0	.25	0.20	<4.0	0.0	<4.0	0.0	<4.0	0.0	<4.0
Calcium	5000	21								
Chromium	10	.48	0.0	<10	-0.60	<10	-0.60	<10	-0.40	<10
Cobalt	50	.29								
Copper	25	.93	anr							
Gold	50	1.5								
Iron	100	3.5								
Lead	5.0	1.2	1.8	<5.0	0.90	<5.0	1.8	<5.0	1.8	<5.0
Magnesium	5000	30								
Manganese	15	.16								
Molybdenum	100	.31								
Nickel	40	.45	anr							
Palladium	50	2.2								
Platinum	50	6.4								
Potassium	5000	54								
Selenium	10	1.7	1.6	<10	1.2	<10	1.5	<10	1.9	<10
Silicon	100	2								
Silver	5.0	.81	-0.70	<5.0	-0.20	<5.0	-0.10	<5.0	0.50	<5.0
Sodium	5000	16								
Strontium	10	.12								
Thallium	5.0	1.2								
Tin	100	.87								
Titanium	50	.66	anr							
Tungsten	100	9.3								
Vanadium	10	.82								
Zinc	20	.45	anr							
Zirconium	50	.45								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:		08:52			09:04			10:14	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	3000	2980	99.3	2000	1950	97.5	2000	1980	99.0
Barium	3000	3000	100.0	2000	1900	95.0	2000	1890	94.5
Beryllium									
Boron	anr								
Cadmium	3000	2970	99.0	2000	1930	96.5	2000	1990	99.5
Calcium									
Chromium	3000	3070	102.3	2000	1990	99.5	2000	1940	97.0
Cobalt									
Copper	anr								
Gold									
Iron									
Lead	3000	2940	98.0	2000	1920	96.0	2000	1930	96.5
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	3000	2960	98.7	2000	1970	98.5	2000	2000	100.0
Silicon									
Silver	500	517	103.4	250	245	98.0	250	247	98.8
Sodium									
Strontium									
Thallium									
Tin									
Titanium	anr								
Tungsten									
Vanadium									
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:												
Sample ID:												
Metal												

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:		11:07			12:00			12:51	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	2000	1960	98.0	2000	1980	99.0	2000	1990	99.5
Barium	2000	1890	94.5	2000	1880	94.0	2000	1870	93.5
Beryllium									
Boron	anr								
Cadmium	2000	1960	98.0	2000	1990	99.5	2000	1990	99.5
Calcium									
Chromium	2000	1960	98.0	2000	1970	98.5	2000	1960	98.0
Cobalt									
Copper	anr								
Gold									
Iron									
Lead	2000	1920	96.0	2000	1930	96.5	2000	1930	96.5
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	2000	1990	99.5	2000	2000	100.0	2000	2000	100.0
Silicon									
Silver	250	246	98.4	250	250	100.0	250	247	98.8
Sodium									
Strontium									
Thallium									
Tin									
Titanium	anr								
Tungsten									
Vanadium									
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:		13:45			14:46			15:37	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	2000	2010	100.5	2000	2010	100.5	2000	2010	100.5
Barium	2000	1880	94.0	2000	1880	94.0	2000	1860	93.0
Beryllium									
Boron	anr								
Cadmium	2000	2020	101.0	2000	2030	101.5	2000	2020	101.0
Calcium									
Chromium	2000	1960	98.0	2000	1960	98.0	2000	1960	98.0
Cobalt									
Copper	anr								
Gold									
Iron									
Lead	2000	1950	97.5	2000	1950	97.5	2000	1950	97.5
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	2000	2020	101.0	2000	2010	100.5	2000	2020	101.0
Silicon									
Silver	250	249	99.6	250	249	99.6	250	250	100.0
Sodium									
Strontium									
Thallium									
Tin									
Titanium	anr								
Tungsten									
Vanadium									
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:		16:29			17:21			18:13	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	2000	2010	100.5	2000	2020	101.0	2000	2030	101.5
Barium	2000	1870	93.5	2000	1870	93.5	2000	1900	95.0
Beryllium									
Boron	anr								
Cadmium	2000	2020	101.0	2000	2030	101.5	2000	2030	101.5
Calcium									
Chromium	2000	1950	97.5	2000	1960	98.0	2000	1970	98.5
Cobalt									
Copper	anr								
Gold									
Iron									
Lead	2000	1940	97.0	2000	1950	97.5	2000	1960	98.0
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	2000	2010	100.5	2000	2020	101.0	2000	2030	101.5
Silicon									
Silver	250	248	99.2	250	248	99.2	250	250	100.0
Sodium									
Strontium									
Thallium									
Tin									
Titanium	anr								
Tungsten									
Vanadium									
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:		19:04			19:56			20:40	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	2000	2020	101.0	2000	2020	101.0	2000	1990	99.5
Barium	2000	1860	93.0	2000	1850	92.5	2000	1850	92.5
Beryllium									
Boron	anr								
Cadmium	2000	2040	102.0	2000	2020	101.0	2000	2010	100.5
Calcium									
Chromium	2000	1960	98.0	2000	1960	98.0	2000	1940	97.0
Cobalt									
Copper	anr								
Gold									
Iron									
Lead	2000	1960	98.0	2000	1950	97.5	2000	1930	96.5
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	2000	2030	101.5	2000	2030	101.5	2000	2010	100.5
Silicon									
Silver	250	250	100.0	250	249	99.6	250	248	99.2
Sodium									
Strontium									
Thallium									
Tin									
Titanium	anr								
Tungsten									
Vanadium									
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:		21:02	
Sample ID:	CCV	CCV15	
Metal	True	Results	% Rec
Aluminum			
Antimony			
Arsenic	2000	2010	100.5
Barium	2000	1840	92.0
Beryllium			
Boron	anr		
Cadmium	2000	2000	100.0
Calcium			
Chromium	2000	1950	97.5
Cobalt			
Copper	anr		
Gold			
Iron			
Lead	2000	1940	97.0
Magnesium			
Manganese			
Molybdenum			
Nickel	anr		
Palladium			
Platinum			
Potassium			
Selenium	2000	2020	101.0
Silicon			
Silver	250	247	98.8
Sodium			
Strontium			
Thallium			
Tin			
Titanium	anr		
Tungsten			
Vanadium			
Zinc	anr		
Zirconium			

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA15961 Units: ug/l

Time: / Sample ID: / Metal	CRI True	CRIA True	09:28 CRI1 Results	% Rec	09:32 CRI2 Results	% Rec	14:15 CRI3 Results	% Rec	14:29 CRI4 Results	% Rec
Aluminum	200	200								
Antimony	6.0	10								
Arsenic	4.0	10			4.7	117.5			3.8	95.0
Barium	50	50			49.4	98.8			48.1	96.2
Beryllium	4.0	4.0								
Boron	100	100								
Cadmium	4.0	4.0			3.8	95.0			4.1	102.5
Calcium	5000	5000								
Chromium	5.0	10	5.0	100.0			4.7	94.0		
Cobalt	50	50								
Copper	25	25								
Gold	50	50								
Iron	100	100								
Lead	3.0	10	3.5	116.7			3.4	113.3		
Magnesium	5000	5000								
Manganese	15	15								
Molybdenum	100	100								
Nickel	40	40								
Palladium	50	50								
Platinum	50	50								
Potassium	5000	5000								
Selenium	10	10			11.0	110.0			10.2	102.0
Silicon	100	100								
Silver	5.0	5.0			5.6	112.0			5.1	102.0
Sodium	5000	5000								
Strontium	10	10								
Thallium	5.0	10								
Tin	100	100								
Titanium	50	50								
Tungsten	100	100								
Vanadium	10	10								
Zinc	20	20								
Zirconium	50	50								

(*) Outside of QC limits

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA15961 Units: ug/l

Time:			14:54		20:49	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	200	200				
Antimony	6.0	10				
Arsenic	4.0	10	12.6	126.0	10.7	107.0
Barium	50	50	48.4	96.8	47.8	95.6
Beryllium	4.0	4.0				
Boron	100	100	anr			
Cadmium	4.0	4.0	4.4	110.0	4.2	105.0
Calcium	5000	5000				
Chromium	5.0	10	9.4	94.0	9.3	93.0
Cobalt	50	50				
Copper	25	25	anr			
Gold	50	50				
Iron	100	100				
Lead	3.0	10	11.9	119.0	11.2	112.0
Magnesium	5000	5000				
Manganese	15	15				
Molybdenum	100	100				
Nickel	40	40	anr			
Palladium	50	50				
Platinum	50	50				
Potassium	5000	5000				
Selenium	10	10	11.2	112.0	10.5	105.0
Silicon	100	100				
Silver	5.0	5.0	4.6	92.0	5.1	102.0
Sodium	5000	5000				
Strontium	10	10				
Thallium	5.0	10				
Tin	100	100				
Titanium	50	50	anr			
Tungsten	100	100				
Vanadium	10	10				
Zinc	20	20	anr			
Zirconium	50	50				

(*) Outside of QC limits

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA15961 Units: ug/l

Time:			09:39		09:43		14:37		14:41	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	527000	105.4	514000	102.8	510000	102.0	524000	104.8
Antimony		2000	-1.1		2160	108.0	0.90		2190	109.5
Arsenic		2000	0.40		2080	104.0	-0.50		2140	107.0
Barium		500	-1.1		494	98.8	-1.0		484	96.8
Beryllium		500	0.10		474	94.8	0.10		463	92.6
Boron		1000	3.4		1070	107.0	3.5		1110	111.0
Cadmium		1000	0.50		1060	106.0	0.70		1100	110.0
Calcium	500000	500000	447000	89.4	450000	90.0	441000	88.2	449000	89.8
Chromium		500	-0.20		482	96.4	0.20		484	96.8
Cobalt		500	1.4		506	101.2	2.1		525	105.0
Copper		500	2.5		521	104.2	0.40		531	106.2
Gold		500	0.70		482	96.4	6.1		491	98.2
Iron	200000	200000	182000	91.0	184000	92.0	175000	87.5	179000	89.5
Lead		1000	0.40		969	96.9	-1.6		997	99.7
Magnesium	500000	500000	489000	97.8	494000	98.8	466000	93.2	474000	94.8
Manganese		500	-0.10		499	99.8	0.10		495	99.0
Molybdenum		1000	-0.40		1000	100.0	-0.90		1030	103.0
Nickel		1000	-1.4		948	94.8	-1.2		953	95.3
Palladium		500	-42		511	102.2	-39		510	102.0
Platinum		500	-30		482	96.4	-25		473	94.6
Potassium			-0.60		-2.8		7.3		51.4	
Selenium		2000	-3.6		2080	104.0	-3.2		2120	106.0
Silicon		2000	53.1		2230	111.5	72.3		2250	112.5
Silver		1000	0.90		1060	106.0	0.20		1070	107.0
Sodium			69.0		94.3		128		125	
Strontium		1000	0.90		965	96.5	0.70		967	96.7
Thallium		2000	-0.50		2060	103.0	-0.30		2150	107.5
Tin		1000	0.10		1060	106.0	-0.40		1060	106.0
Titanium		500	8.0		516	103.2	8.1		509	101.8
Tungsten		2000	-33		1870	93.5	-33		1820	91.0
Vanadium		500	0.0		505	101.0	1.0		518	103.6
Zinc		1000	-0.70		894	89.4	-0.40		932	93.2
Zirconium		500	0.80		443	88.6	0.90		441	88.2

(*) Outside of QC limits

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA15961 Units: ug/l

Time:			20:53		20:57	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	507000	101.4	524000	104.8
Antimony		2000	-0.90		2200	110.0
Arsenic		2000	-0.40		2150	107.5
Barium		500	-1.0		482	96.4
Beryllium		500	0.0		457	91.4
Boron		1000	4.4		1120	112.0
Cadmium		1000	0.70		1100	110.0
Calcium	500000	500000	432000	86.4	443000	88.6
Chromium		500	0.20		485	97.0
Cobalt		500	2.2		527	105.4
Copper		500	0.70		536	107.2
Gold		500	3.6		493	98.6
Iron	200000	200000	174000	87.0	176000	88.0
Lead		1000	-1.4		998	99.8
Magnesium	500000	500000	459000	91.8	465000	93.0
Manganese		500	0.10		493	98.6
Molybdenum		1000	-0.30		1040	104.0
Nickel		1000	-0.50		953	95.3
Palladium		500	-37		509	101.8
Platinum		500	-26		480	96.0
Potassium			45.9		64.4	
Selenium		2000	-5.7		2140	107.0
Silicon		2000	61.1		2250	112.5
Silver		1000	0.40		1080	108.0
Sodium			59.5		59.6	
Strontium		1000	1.0		968	96.8
Thallium		2000	1.1		2170	108.5
Tin		1000	0.40		1060	106.0
Titanium		500	8.4		509	101.8
Tungsten		2000	-40		1790	89.5
Vanadium		500	1.1		517	103.4
Zinc		1000	-0.60		928	92.8
Zirconium		500	0.80		441	88.2

(*) Outside of QC limits

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H2081313S1.PRN Date Analyzed: 08/13/13 Methods: SW846 7471B
Analyst: SA Run ID: MA15973
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:19	MA15973-STD1	1		STD01REP1
09:21	MA15973-STD2	1		STD02REP1
09:24	MA15973-STD3	1		STD03REP1
09:27	MA15973-STD4	1		STD04REP1
09:30	MA15973-STD5	1		STD05REP1
09:33	MA15973-STD6	1		STD06REP1
09:35	MA15973-STD7	1		STD07REP1
09:38	MA15973-STD8	1		STD08REP1
09:41	MA15973-STD9	1		STD09REP1
09:44	MA15973-ICV1	1		
09:46	MA15973-ICB1	1		
09:49	MA15973-CCV1	1		
09:51	MA15973-CCB1	1		
09:54	MA15973-CRI1	1		
09:57	MP21487-MB1	1		
10:00	MP21487-B1	1		
10:02	MP21487-B2	1		
10:05	MP21487-S1	1		
10:08	MP21487-S2	1		
10:10	MC23415-1	1		(sample used for QC only; not part of login MC23272)
10:13	MP21487-LC1	10		
10:15	MC23272-6	1		
---------->	Last reportable sample/prep for job MC23272			
10:18	ZZZZZZ	1		
10:23	MA15973-CCV2	1		
10:25	MA15973-CCB2	1		
10:28	ZZZZZZ	1		
10:31	ZZZZZZ	1		
10:33	ZZZZZZ	1		
10:36	ZZZZZZ	1		
10:38	ZZZZZZ	1		
10:41	ZZZZZZ	1		
10:43	ZZZZZZ	1		
10:46	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H2081313S1.PRN Date Analyzed: 08/13/13 Methods: SW846 7471B
Analyst: SA Run ID: MA15973
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:48	ZZZZZZ	1		
10:51	ZZZZZZ	1		
10:55	MA15973-CCV3	1		
10:58	MA15973-CCB3	1		
11:00	ZZZZZZ	1		
11:03	ZZZZZZ	1		
11:05	ZZZZZZ	1		
11:08	ZZZZZZ	1		
11:10	ZZZZZZ	1		
11:13	ZZZZZZ	1		
11:15	ZZZZZZ	1		
11:19	ZZZZZZ	1		DNR: SEE RERUN FOR CRI.
11:21	MA15973-CRI2	1		
11:24	MA15973-CCV4	1		
11:26	MA15973-CCB4	1		

----------> Last reportable CCB for job MC23272
Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H2081313S1.PRN Date Analyzed: 08/13/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA15973 Units: ug/l

Time:			09:46		09:51		10:25		10:58	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.018	-0.038	<0.20	-0.018	<0.20	-0.052	<0.20	-0.038	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H2081313S1.PRN Date Analyzed: 08/13/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA15973 Units: ug/l

Time:			11:26	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Mercury	0.20	.018	-0.042	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H2081313S1.PRN Date Analyzed: 08/13/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA15973 Units: ug/l

Time:		09:44			09:49			10:23	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	4	3.6	90.0	3.0	3.0	100.0	3	2.6	86.7

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H2081313S1.PRN Date Analyzed: 08/13/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA15973 Units: ug/l

Time:		10:55			11:24	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	3.0	3.0	100.0	3.0	3.0	100.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H2081313S1.PRN Date Analyzed: 08/13/13 Methods: SW846 7471B
QC Limits: 80 to 120 % Recovery Run ID: MA15973 Units: ug/l

Time:			09:54		11:21	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.17	85.0	0.21	105.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/07/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.2	3.6		
Antimony	1.0	.11	.15		
Arsenic	1.0	.17	.21	0.080	<1.0
Barium	5.0	.032	.073	0.030	<5.0
Beryllium	0.40	.01	.024		
Boron	10	.11	.11		
Cadmium	0.40	.025	.042	0.0	<0.40
Calcium	500	2.1	6.3		
Chromium	1.0	.048	.095	-0.030	<1.0
Cobalt	5.0	.029	.047		
Copper	2.5	.093	.56		
Gold	5.0	.15	.43		
Iron	10	.35	.87		
Lead	1.0	.12	.17	0.18	<1.0
Magnesium	500	3	5.1		
Manganese	1.5	.016	.04		
Molybdenum	10	.031	.07		
Nickel	4.0	.045	.044		
Palladium	5.0	.22	.64		
Platinum	5.0	.64	1.5		
Potassium	500	5.4	8.6		
Selenium	1.0	.17	.35	0.16	<1.0
Silicon	10	.2	3.3		
Silver	0.50	.081	.13	0.0	<0.50
Sodium	500	1.6	3.3		
Strontium	1.0	.012	.03		
Thallium	1.0	.12	.13		
Tin	10	.087	.14		
Titanium	5.0	.066	.14		
Tungsten	10	.93	.94		
Vanadium	1.0	.082	.13		
Zinc	2.0	.045	.16		
Zirconium	5.0	.045	.088		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21470: MC23272-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/07/13

Metal	JB42561-22T Original	MS	Spikelot MPICP	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	3.7	44.6	44.6	91.8	75-125
Barium	117	270	178	85.8	75-125
Beryllium					
Boron					
Cadmium	0.14	40.6	44.6	90.8	75-125
Calcium					
Chromium	13.1	53.7	44.6	91.1	75-125
Cobalt					
Copper					
Gold					
Iron					
Lead	38.2	103	89.1	72.7 (a)	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel					
Palladium					
Platinum					
Potassium					
Selenium	0.0	37.7	44.6	84.6	75-125
Silicon					
Silver	0.0	15.6	17.8	87.5	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc					
Zirconium					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21470: MC23272-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.Post spike within acceptable range.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/07/13

Metal	JB42561-22T Original	MSD	Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	3.7	44.6	44.6	91.8	0.0	20
Barium	117	270	178	85.8	0.0	20
Beryllium						
Boron						
Cadmium	0.14	40.8	44.6	91.2	0.5	20
Calcium						
Chromium	13.1	51.2	44.6	85.5	4.8	20
Cobalt						
Copper						
Gold						
Iron						
Lead	38.2	105	89.1	74.9 (a)	1.9	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Palladium						
Platinum						
Potassium						
Selenium	0.0	37.9	44.6	85.0	0.5	20
Silicon						
Silver	0.0	15.1	17.8	84.7	3.3	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc						
Zirconium						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21470: MC23272-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike duplicate recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			08/07/13				08/07/13	
Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	LCS Result	Spikelot MPLCS78	% Rec	QC Limits
Aluminum								
Antimony								
Arsenic	52.8	50	105.6	80-120	90.1	94.5	95.3	82-117
Barium	187	200	93.5	80-120	149	166	89.8	83-116
Beryllium								
Boron								
Cadmium	50.8	50	101.6	80-120	62.1	59.9	103.7	84-116
Calcium								
Chromium	50.4	50	100.8	80-120	66.9	69.3	96.5	81-119
Cobalt								
Copper								
Gold								
Iron								
Lead	96.4	100	96.4	80-120	84.8	91.7	92.5	82-118
Magnesium								
Manganese								
Molybdenum								
Nickel								
Palladium								
Platinum								
Potassium								
Selenium	50.1	50	100.2	80-120	155	159	97.5	79-121
Silicon								
Silver	19.7	20	98.5	80-120	32.6	33.9	96.2	66-134
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Tungsten								
Vanadium								
Zinc								
Zirconium								

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21470: MC23272-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/07/13

Metal	JB42561-22T Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	41.2	54.1	31.3 (a)	0-10
Barium	1310	1430	9.2	0-10
Beryllium				
Boron				
Cadmium	1.60	1.50	6.3	0-10
Calcium				
Chromium	147	160	8.5	0-10
Cobalt				
Copper				
Gold				
Iron				
Lead	428	485	13.3 (b)	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				
Zirconium				

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Associated samples MP21470: MC23272-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

POST DIGESTATE SPIKE SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/07/13

Metal	Sample ml	Final ml	JB42561-22T Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Boron										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Gold										
Iron										
Lead	10	10.1	428	423.7624	1189	.1	87	861.3861	88.8	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Palladium										
Platinum										
Potassium										
Selenium										
Silicon										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Tungsten										
Vanadium										
Zinc										
Zirconium										

POST DIGESTATE SPIKE SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470 Methods: SW846 6010C
Matrix Type: SOLID Units: ug/l

Prep Date:

Metal

Associated samples MP21470: MC23272-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21487 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/12/13

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0029	.0097	-0.0095	<0.033

Associated samples MP21487: MC23272-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21487 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/12/13

Metal	MC23415-1 Original	MS	Spikelot HGRWS1	% Rec	QC Limits
Mercury	0.37	0.97	0.551	108.9	80-120

Associated samples MP21487: MC23272-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21487 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/12/13

Metal	MC23415-1 Original	MSD	Spikelot HGRWS1	% Rec	MSD RPD	QC Limit
Mercury	0.37	0.86	0.551	88.9	12.0	20

Associated samples MP21487: MC23272-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21487
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 08/12/13 08/12/13

Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	0.47	0.5	94.0	80-120	0.46	0.5	92.0	2.2	30

Associated samples MP21487: MC23272-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21487
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 08/12/13

Metal	LCS Result	Spikelot HGLCS78	% Rec	QC Limits
Mercury	4.0	4.05	98.8	72-128

Associated samples MP21487: MC23272-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

New England ACCUTEST LABORATORIES

Metals Analysis

Raw Data

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 8/7/2013 8:34:55 Type: Cal
Method: Accutest -SS2(v7) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0027	.0001	.0010	.0001	.0027	.0084	.0001	.0035	.0071
Stddev	.0000	.0003	.0001	.0001	.0003	.0009	.0002	.0001	.0002
%RSD	.8633	246.5	10.02	77.61	10.57	11.25	228.3	3.078	3.378
#1	-.0027	.0003	.0011	.0000	.0025	.0091	-.0001	.0034	.0073
#2	-.0028	-.0001	.0009	.0001	.0029	.0077	.0002	.0035	.0070

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0021	.0001	.0174	.0005	.0016	.0001	.0005	.0010	.0046
Stddev	.0009	.0000	.0001	.0000	.0004	.0001	.0000	.0002	.0014
%RSD	43.20	18.60	.8554	10.55	25.06	111.5	9.530	18.43	31.27
#1	-.0028	.0001	.0173	.0005	.0013	.0001	.0005	.0008	.0056
#2	-.0015	.0001	.0175	.0004	.0019	.0000	.0004	.0011	.0036

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0037	-.0025	.0004	.0001	.0021	.0025	.0470	-.0007	.0046
Stddev	.0004	.0001	.0001	.0000	.0002	.0002	.0003	.0005	.0002
%RSD	10.66	4.961	11.66	30.48	7.817	9.319	.6933	80.85	4.068
#1	-.0040	-.0024	.0004	.0001	.0023	.0026	.0472	-.0010	.0045
#2	-.0034	-.0025	.0005	.0002	.0020	.0023	.0467	-.0003	.0047

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0003	-.0072	.0003	.0000	-.0019	-.0001
Stddev	.0001	.0001	.0001	.000	.0007	.0002
%RSD	18.17	1.832	38.43	604.1	35.39	157.2
#1	-.0003	-.0072	.0004	-.0001	-.0014	-.0002
#2	-.0003	-.0071	.0002	.0000	-.0024	.0000

◀ Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 8/7/2013 8:34:55 Type: Cal
Method: Accutest -SS2(v7) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1384.5	55372.	10477.
Stddev	14.5	36.	30.
%RSD	1.0466	.06576	.29089
#1	1374.3	55346.	10455.
#2	1394.7	55398.	10499.

◀ Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 8/7/2013 8:39:16 Type: Cal
Method: Accutest -SS2(v7) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1624	.9440	3.123	16.96	13.76	12.53	9.623	.9631	2.126	5.792
Stddev	.0005	.0009	.003	.20	.15	.00	.012	.0044	.004	.050
%RSD	.3121	.0915	.1067	1.192	1.060	.0139	.1202	.4544	.1714	.8577
#1	.1627	.9434	3.121	17.10	13.86	12.53	9.615	.9662	2.128	5.828
#2	.1620	.9446	3.125	16.82	13.65	12.53	9.632	.9600	2.123	5.757

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.691	8.434	3.175	2.346	1.614	1.104	13.30
Stddev	.015	.005	.004	.001	.002	.001	.01
%RSD	.1881	.0583	.1334	.0251	.1348	.0897	.0632
#1	7.681	8.431	3.172	2.346	1.612	1.104	13.29
#2	7.701	8.438	3.178	2.347	1.615	1.105	13.30

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1396.7	56061.	9992.2
Stddev	.4	387.	79.4
%RSD	.02807	.69064	.79502
#1	1397.0	55787.	9936.0
#2	1396.4	56335.	10048.

◀ Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 8/7/2013 8:43:37 Type: Cal
Method: Accutest -SS2(v7) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.320	2.434	1.348	.8320	.1732	2.377
Stddev	.002	.002	.001	.0119	.0006	.002
%RSD	.1222	.0931	.1022	1.429	.3430	.0939
#1	1.319	2.436	1.349	.8404	.1736	2.378
#2	1.321	2.432	1.347	.8236	.1728	2.375

Int. Std.	Y_3710
Units	Cts/S
Avg	10282.
Stddev	7.
%RSD	.06491
#1	10277.
#2	10287.

Zoom In Zoom Out

Sample Name: Std4 Acquired: 8/7/2013 8:47:57 Type: Cal
Method: Accutest -SS2(v7) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	Si2124	Sn1899	Sr4077	Ti3349	V_2924	W_2397	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2904	.5582	.0871	3.017	1.994	20.83	1.553	1.259	.0712	3.137
Stddev	.0017	.0038	.0004	.003	.002	.07	.007	.008	.0007	.018
%RSD	.5857	.6751	.4177	.1112	.1002	.3400	.4684	.6488	.9693	.5835
#1	.2892	.5555	.0868	3.015	1.993	20.88	1.548	1.254	.0707	3.124
#2	.2916	.5609	.0874	3.019	1.996	20.78	1.558	1.265	.0717	3.150

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1419.1	54757.	10141.
Stddev	1.2	323.	159.
%RSD	.08673	.58979	1.5716
#1	1420.0	54985.	10029.
#2	1418.2	54529.	10254.

Zoom In Zoom Out

Sample Name: ICV Acquired: 8/7/2013 8:52:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.5169	16.04	2.984	2.972	3.023	3.001	3.034	18.30	2.965	2.984
Stddev	.0005	.04	.006	.002	.008	.001	.006	.03	.008	.005
%RSD	.0898	.2310	.1960	.0535	.2714	.0300	.2152	.1868	.2654	.1851
#1	.5166	16.02	2.988	2.974	3.029	3.002	3.038	18.32	2.970	2.988
#2	.5172	16.07	2.980	2.971	3.017	3.000	3.029	18.27	2.959	2.980

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	3.074	2.937	18.27	15.38	18.40	3.083	2.884	15.71	2.918	2.940
Stddev	.011	.001	.03	.00	.01	.003	.003	.01	.006	.006
%RSD	.3471	.0409	.1736	.0032	.0551	.0969	.1101	.0353	.2168	.2108
#1	3.081	2.936	18.29	15.38	18.40	3.085	2.887	15.71	2.922	2.944
#2	3.066	2.938	18.25	15.38	18.41	3.081	2.882	15.71	2.913	2.935

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	3.032	2.964	2.958	2.959	3.006	3.157	3.075	3.037	2.961	2.992
Stddev	.004	.012	.004	.004	.009	.001	.002	.001	.017	.003
%RSD	.1179	.4152	.1332	.1370	.2985	.0452	.0578	.0336	.5568	.1016
#1	3.029	2.956	2.961	2.962	3.013	3.158	3.077	3.038	2.972	2.994
#2	3.034	2.973	2.955	2.957	3.000	3.156	3.074	3.037	2.949	2.989

Elem	W_2397	Zn2062	Zr3391
Avg	2.897	2.854	3.072
Stddev	.008	.007	.001
%RSD	.2848	.2459	.0385
#1	2.891	2.859	3.071
#2	2.902	2.849	3.073

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1394.2	54241.	9951.7
Stddev	2.0	224.	14.3
%RSD	.14422	.41320	.14363
#1	1392.8	54083.	9941.6
#2	1395.6	54400.	9961.8

Zoom In Zoom Out

Sample Name: ICB Acquired: 8/7/2013 9:00:25 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	.0018	.0020	.0023	.0026	.0000	.0001	-.0004	.0002	.0004
Stddev	.0006	.0008	.0005	.0004	.0001	.000	.0001	.0028	.0000	.0000
%RSD	208.1	44.97	25.64	18.91	4.371	629.6	54.01	653.4	25.71	10.85
#1	-.0007	.0024	.0016	.0020	.0025	-.0002	.0001	.0016	.0002	.0004
#2	.0001	.0013	.0024	.0026	.0026	.0001	.0001	-.0024	.0001	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0013	-.0024	.0344	-.0247	.0000	.0015	.0003	.0001	.0005
Stddev	.0003	.0005	.0005	.0130	.0010	.000	.0001	.0054	.0002	.0005
%RSD	151.4	38.54	22.43	37.70	3.910	150.2	6.126	2136.	155.4	106.8
#1	.0000	.0009	-.0028	.0435	-.0240	.0000	.0016	-.0035	.0002	.0009
#2	-.0004	.0016	-.0020	.0252	-.0254	-.0001	.0014	.0040	.0000	.0001

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0011	-.0054	.0010	.0023	-.0021	.0009	.0000	-.0002	-.0007	.0007
Stddev	.0004	.0017	.0005	.0001	.0007	.0001	.000	.0002	.0006	.0003
%RSD	40.76	31.29	50.66	6.303	35.26	12.31	582.3	104.2	89.49	37.39
#1	-.0008	-.0042	.0014	.0025	-.0016	.0008	-.0001	-.0003	-.0003	.0006
#2	-.0014	-.0066	.0007	.0022	-.0026	.0010	.0001	.0000	-.0011	.0009

Elem	W_2397	Zn2062	Zr3391
Avg	.0076	.0002	.0007
Stddev	.0051	.0001	.0002
%RSD	67.25	56.27	31.76
#1	.0040	.0001	.0008
#2	.0112	.0003	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1404.4	54206.	10159.
Stddev	.4	450.	105.
%RSD	.02771	.82994	1.0301
#1	1404.7	54524.	10233.
#2	1404.1	53888.	10085.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 9:04:46 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2451	10.30	1.946	-.0039	1.944	1.895	2.004	10.08	1.925	2.032
Stddev	.0001	.00	.001	.0029	.003	.002	.003	.02	.001	.001
%RSD	.0353	.0004	.0549	73.54	.1395	.1241	.1702	.1823	.0729	.0706
#1	.2451	10.30	1.947	-.0060	1.942	1.894	2.002	10.07	1.926	2.033
#2	.2452	10.30	1.945	-.0019	1.946	1.897	2.007	10.09	1.924	2.031

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.986	1.929	9.840	9.826	9.993	2.101	1.950	10.36	1.956	1.922
Stddev	.007	.003	.013	.022	.040	.004	.001	.04	.000	.000
%RSD	.3514	.1326	.1290	.2253	.4014	.1913	.0629	.3888	.0169	.0103
#1	1.991	1.931	9.831	9.811	9.965	2.104	1.949	10.33	1.956	1.922
#2	1.981	1.927	9.849	9.842	10.02	2.098	1.951	10.38	1.956	1.922

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0040	.0013	1.965	1.971	.0363	2.043	1.950	2.018	1.946	2.006
Stddev	.0004	.0022	.002	.001	.0012	.004	.006	.005	.004	.004
%RSD	9.241	164.3	.0897	.0447	3.258	.1727	.3067	.2270	.1818	.2033
#1	-.0043	.0029	1.964	1.971	.0355	2.046	1.946	2.022	1.944	2.009
#2	-.0038	-.0002	1.966	1.970	.0371	2.041	1.954	2.015	1.949	2.003

Elem	W_2397	Zn2062	Zr3391
Avg	.0104	1.900	.0022
Stddev	.0048	.001	.0009
%RSD	46.10	.0345	41.96
#1	.0138	1.900	.0028
#2	.0070	1.899	.0015

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1383.8	53059.	10103.
Stddev	.6	363.	63.
%RSD	.04307	.68405	.62306
#1	1384.3	52803.	10147.
#2	1383.4	53316.	10058.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 9:15:25 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0000	.0144	F.0026	.0016	.0020	-.0002	.0000	.0037	.0002
Stddev	.0004	.0092	.0004	.0000	.0002	.0001	.000	.0007	.0003
%RSD	1425.	63.81	13.93	1.166	10.96	35.18	12.27	19.25	139.1
#1	-.0003	.0210	.0028	.0016	.0022	-.0001	.0000	.0032	.0000
#2	.0003	.0079	.0023	.0016	.0018	-.0002	.0000	.0042	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0007	-.0001	.0023	-.0014	-.0015	-.0113	.0000	.0010	.0021
Stddev	.0001	.0001	.0005	.0048	.0178	.0212	.0000	.0002	.0002
%RSD	15.43	95.17	22.99	332.6	1173.	187.8	328.4	20.50	10.28
#1	.0006	-.0002	.0020	-.0048	.0110	-.0263	.0000	.0012	.0020
#2	.0008	.0000	.0027	.0019	-.0141	.0037	.0000	.0009	.0023

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0003	.0011	-.0012	-.0052	.0003	.0008	-.0016	.0005	-.0002
Stddev	.0002	.0011	.0006	.0033	.0002	.0008	.0004	.0002	.0001
%RSD	88.63	94.41	48.63	62.43	74.25	101.7	25.52	41.73	87.99
#1	.0004	.0019	-.0016	-.0075	.0004	.0013	-.0013	.0007	-.0003
#2	.0001	.0004	-.0008	-.0029	.0001	.0002	-.0019	.0004	-.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0005	-.0001	.0010	.0022	.0003	.0003
Stddev	.0003	.0015	.0001	.0018	.0001	.0001
%RSD	68.30	1615.	13.71	80.33	20.72	41.85
#1	.0007	.0010	.0011	.0034	.0003	.0002
#2	.0002	-.0012	.0009	.0009	.0003	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1404.2	52842.	9923.0
Stddev	1.8	238.	10.7
%RSD	.12833	.45115	.10778
#1	1403.0	53011.	9915.4
#2	1405.5	52674.	9930.5

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 9:22:13 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0004	.0008	.0017	.0026	.0010	-.0002	.0000	.0125	-.0001
Stddev	.0009	.0031	.0013	.0015	.0000	.0002	.000	.0023	.0000
%RSD	222.7	404.5	74.77	58.40	3.374	103.9	685.5	18.73	33.69
#1	-.0002	.0030	.0026	.0015	.0010	.0000	.0000	.0142	-.0001
#2	.0011	-.0014	.0008	.0036	.0010	-.0003	.0000	.0109	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0001	-.0005	F.0029	-.0017	.0055	-.0328	-.0001	.0005	.0205
Stddev	.0002	.0001	.0001	.0027	.0226	.0037	.0000	.0001	.0081
%RSD	112.0	18.35	2.302	160.2	411.3	11.40	32.37	20.09	39.48
#1	.0000	-.0005	.0029	.0002	.0215	-.0302	-.0001	.0006	.0148
#2	.0003	-.0004	.0030	-.0036	-.0105	-.0354	-.0001	.0005	.0262

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0002	.0019	-.0030	-.0057	-.0006	-.0002	.0037	.0001	-.0001
Stddev	.0000	.0004	.0010	.0036	.0008	.0001	.0007	.0003	.0000
%RSD	4.493	19.65	35.32	63.49	138.6	66.10	18.09	257.7	15.04
#1	.0002	.0021	-.0022	-.0032	-.0012	-.0003	.0032	-.0001	-.0001
#2	.0002	.0016	-.0037	-.0083	.0000	-.0001	.0042	.0003	-.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0003	.0015	.0011	-.0002	.0000	.0005
Stddev	.0007	.0012	.0001	.0098	.0000	.0003
%RSD	234.5	75.12	9.168	3931.	89.79	57.51
#1	.0002	.0024	.0012	.0067	.0000	.0008
#2	-.0007	.0007	.0011	-.0072	.0000	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1383.8	52415.	9984.2
Stddev	3.2	62.	148.6
%RSD	.22910	.11770	1.4880
#1	1386.0	52371.	9879.1
#2	1381.5	52459.	10089.

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/7/2013 9:28:20 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0182	.0030	.0010	.0009	-.0001	.0000	.0158	-.0001	.0004
Stddev	.0002	.0004	.0018	.0003	.0001	.0000	.0001	.0001	.0001	.0001
%RSD	121.1	2.194	59.64	27.90	15.99	30.40	306.5	.6676	138.7	23.47
#1	.0004	.0179	.0018	.0012	.0010	-.0001	.0001	.0159	.0000	.0005
#2	.0000	.0185	.0043	.0008	.0008	-.0001	.0000	.0158	-.0002	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0050	.0030	.0075	.0143	-.0391	.0005	.0004	.0332	.0002	.0035
Stddev	.0000	.0006	.0020	.0100	.0072	.0000	.0002	.0060	.0000	.0004
%RSD	.5367	20.73	26.83	69.68	18.46	6.225	41.47	18.11	5.888	11.78
#1	.0050	.0034	.0061	.0214	-.0340	.0006	.0006	.0375	.0002	.0038
#2	.0050	.0025	.0090	.0073	-.0442	.0005	.0003	.0290	.0002	.0032

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0018	-.0046	-.0003	.0011	.0140	.0012	-.0002	.0000	.0004	.0011
Stddev	.0017	.0067	.0009	.0015	.0009	.0006	.0000	.000	.0002	.0003
%RSD	98.96	144.9	294.0	141.5	6.754	54.66	20.40	977.0	43.97	25.56
#1	-.0005	.0001	.0003	.0000	.0133	.0016	-.0001	-.0003	.0003	.0009
#2	-.0030	-.0094	-.0010	.0021	.0146	.0007	-.0002	.0002	.0005	.0013

Elem	W_2397	Zn2062	Zr3391
Avg	-.0029	.0003	.0001
Stddev	.0011	.0001	.0004
%RSD	37.44	19.49	546.5
#1	-.0036	.0003	-.0002
#2	-.0021	.0003	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1408.7	54426.	10316.
Stddev	.5	69.	28.
%RSD	.03629	.12739	.27091
#1	1408.4	54377.	10336.
#2	1409.1	54475.	10297.

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/7/2013 9:32:41 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0056	.2122	.0047	.0014	.1000	.0494	.0043	4.974	.0038
Stddev	.0004	.0019	.0002	.0009	.0000	.0002	.0000	.017	.0001
%RSD	6.314	.9159	4.846	68.69	.0107	.4883	.8078	.3452	2.812
#1	.0053	.2108	.0045	.0020	.1000	.0495	.0043	4.962	.0037
#2	.0058	.2136	.0048	.0007	.1000	.0492	.0043	4.986	.0039

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0513	.0092	.0271	.1010	4.891	4.854	.0162	.0992	5.295
Stddev	.0001	.0001	.0006	.0040	.008	.007	.0001	.0000	.004
%RSD	.1004	.9996	2.328	3.958	.1681	.1435	.6128	.0194	.0736
#1	.0514	.0093	.0266	.0982	4.886	4.859	.0162	.0992	5.298
#2	.0513	.0091	.0275	.1038	4.897	4.849	.0163	.0992	5.292

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0399	.0056	-.0009	-.0049	.0063	.0110	.0024	.0998	.0095
Stddev	.0003	.0001	.0012	.0011	.0004	.0011	.0001	.0003	.0001
%RSD	.8312	2.582	142.4	23.45	6.263	10.02	4.198	.2648	.6910
#1	.0401	.0057	.0000	-.0057	.0065	.0103	.0025	.1000	.0094
#2	.0397	.0055	-.0018	-.0041	.0060	.0118	.0023	.0996	.0095

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0518	F.0023	.0110	-.0014	.0193	.0001
Stddev	.0004	.0022	.0001	.0009	.0001	.0001
%RSD	.8608	97.79	.8566	63.97	.4621	85.75
#1	.0515	.0038	.0109	-.0020	.0194	.0001
#2	.0521	.0007	.0111	-.0008	.0193	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1397.3	53896.	10343.
Stddev	1.9	57.	6.
%RSD	.13694	.10571	.05794
#1	1396.0	53936.	10339.
#2	1398.7	53855.	10347.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 8/7/2013 9:39:27 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0009	526.9	.0004	.0007	.0034	-.0011	.0001	447.3	.0005	.0014
Stddev	.0000	2.4	.0009	.0011	.0015	.0001	.0001	.8	.0003	.0000
%RSD	1.007	.4573	240.9	154.7	45.90	13.04	87.33	.1877	56.06	2.221
#1	.0009	528.6	.0010	.0014	.0023	-.0010	.0001	447.9	.0003	.0014
#2	.0009	525.2	-.0003	-.0001	.0045	-.0012	.0000	446.7	.0006	.0015

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0025	181.5	-.0006	489.4	-.0001	-.0004	.0690	-.0014	.0004
Stddev	.0005	.0003	.6	.0391	2.6	.0001	.0002	.0004	.0004	.0013
%RSD	247.3	10.42	.3548	6097.	.5273	102.4	57.56	.5551	26.19	337.8
#1	.0002	.0027	182.0	-.0283	491.2	-.0002	-.0006	.0688	-.0016	.0013
#2	-.0006	.0023	181.1	.0270	487.6	.0000	-.0002	.0693	-.0011	-.0005

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0417	-.0302	-.0011	-.0036	.0531	.0001	.0009	.0080	-.0005	.0000
Stddev	.0016	.0056	.0043	.0013	.0010	.0007	.0000	.0002	.0022	.0006
%RSD	3.913	18.56	376.0	35.20	1.868	590.6	.7280	1.872	410.8	9317.
#1	-.0428	-.0342	.0019	-.0027	.0524	.0006	.0009	.0079	-.0021	.0004
#2	-.0405	-.0262	-.0042	-.0045	.0538	-.0003	.0009	.0081	.0010	-.0004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0331	-.0007	.0008
Stddev	.0025	.0002	.0000
%RSD	7.685	23.15	2.288
#1	-.0349	-.0006	.0008
#2	-.0313	-.0008	.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1241.2	50072.	10238.
Stddev	3.6	176.	72.
%RSD	.28626	.35163	.70478
#1	1238.7	49948.	10187.
#2	1243.7	50197.	10289.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 8/7/2013 9:43:53 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.057	514.2	2.080	.4818	1.065	.4935	.4743	449.7	1.062	.5064
Stddev	.000	.2	.008	.0026	.004	.0016	.0000	1.9	.001	.0009
%RSD	.0221	.0384	.3921	.5495	.3479	.3343	.0082	.4286	.0588	.1703
#1	1.057	514.3	2.085	.4837	1.063	.4947	.4743	451.0	1.062	.5070
#2	1.057	514.1	2.074	.4799	1.068	.4923	.4743	448.3	1.061	.5058

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4821	.5206	184.0	-.0028	494.2	.4987	1.001	.0943	.9482	.9689
Stddev	.0006	.0008	.3	.0140	.1	.0010	.001	.0122	.0007	.0001
%RSD	.1311	.1623	.1435	508.0	.0176	.2080	.1342	12.89	.0721	.0119
#1	.4817	.5212	184.2	.0071	494.2	.4995	.9998	.1029	.9478	.9690
#2	.4825	.5200	183.9	-.0126	494.3	.4980	1.002	.0857	.9487	.9688

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.5113	.4822	2.161	2.078	2.234	1.061	.9646	.5161	2.056	.5054
Stddev	.0002	.0056	.001	.000	.001	.000	.0026	.0071	.002	.0013
%RSD	.0387	1.164	.0303	.0035	.0605	.0312	.2724	1.373	.0932	.2511
#1	.5114	.4861	2.160	2.078	2.235	1.062	.9664	.5110	2.055	.5063
#2	.5111	.4782	2.161	2.078	2.233	1.061	.9627	.5211	2.057	.5045

Elem	W_2397	Zn2062	Zr3391
Avg	1.873	.8936	.4426
Stddev	.016	.0015	.0034
%RSD	.8637	.1703	.7733
#1	1.862	.8925	.4401
#2	1.885	.8947	.4450

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1253.9	50028.	10244.
Stddev	3.7	107.	81.
%RSD	.29202	.21382	.79058
#1	1251.3	49953.	10302.
#2	1256.5	50104.	10187.

Zoom In Zoom Out

Sample Name: MP21454-B1 Acquired: 8/7/2013 9:48:12 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2002	2.179	.5275	-.0012	1.012	1.955	.5252	24.70	.5068	.5076
Stddev	.0006	.015	.0005	.0012	.004	.005	.0015	.11	.0018	.0008
%RSD	.3145	.6807	.1009	101.9	.3499	.2746	.2784	.4305	.3606	.1555
#1	.2007	2.189	.5278	-.0021	1.009	1.959	.5262	24.77	.5056	.5071
#2	.1998	2.168	.5271	-.0003	1.014	1.951	.5241	24.62	.5081	.5082

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5228	.4868	1.998	24.93	25.10	.5120	.0019	26.32	.4879	.9706
Stddev	.0027	.0002	.006	.08	.15	.0007	.0004	.03	.0005	.0026
%RSD	.5081	.0432	.3085	.3130	.6034	.1339	19.32	.1164	.0941	.2675
#1	.5209	.4866	2.003	24.98	25.20	.5116	.0021	26.34	.4876	.9688
#2	.5247	.4869	1.994	24.87	24.99	.5125	.0016	26.30	.4882	.9725

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0032	-.0017	.5134	.5021	.0373	-.0007	.4850	.5074	.4968	.5172
Stddev	.0034	.0038	.0005	.0007	.0022	.0002	.0017	.0075	.0021	.0105
%RSD	107.9	222.5	.1010	.1394	5.838	34.23	.3409	1.477	.4187	2.036
#1	-.0056	.0010	.5138	.5026	.0358	-.0005	.4862	.5127	.4953	.5246
#2	-.0007	-.0044	.5130	.5016	.0388	-.0008	.4839	.5021	.4983	.5097

Elem	W_2397	Zn2062	Zr3391
Avg	.0067	.4858	.0280
Stddev	.0087	.0012	.0031
%RSD	129.9	.2422	11.18
#1	.0005	.4850	.0302
#2	.0128	.4867	.0258

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1368.2	53645.	10307.
Stddev	4.0	218.	59.
%RSD	.29212	.40585	.57133
#1	1371.0	53799.	10265.
#2	1365.3	53491.	10349.

Zoom In Zoom Out

Sample Name: MP21454-MB1 Acquired: 8/7/2013 9:52:24 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0106	-.0001	.0015	.0020	.0001	.0001	.0144	.0000	-.0001
Stddev	.0007	.0017	.0006	.0002	.0005	.0002	.0000	.0014	.0000	.0002
%RSD	426.3	15.94	390.9	16.10	26.39	119.7	50.56	9.693	850.8	167.6
#1	-.0003	.0094	-.0006	.0017	.0023	.0003	.0000	.0134	.0000	-.0003
#2	.0006	.0118	.0003	.0013	.0016	.0000	.0001	.0154	.0000	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	.0025	.0020	.0375	-.0370	.0001	.0007	.0256	-.0003	.0013
Stddev	.0005	.0003	.0018	.0082	.0262	.0000	.0003	.0067	.0002	.0001
%RSD	153.7	12.52	87.62	21.93	70.80	44.08	46.26	26.40	49.23	9.853
#1	-.0007	.0028	.0008	.0317	-.0185	.0000	.0004	.0303	-.0002	.0012
#2	.0000	.0023	.0033	.0434	-.0555	.0001	.0009	.0208	-.0005	.0014

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0013	-.0053	.0014	.0010	.0325	.0006	-.0001	-.0004	-.0036	.0011
Stddev	.0025	.0014	.0005	.0005	.0014	.0003	.0000	.0001	.0004	.0000
%RSD	196.1	25.73	37.58	47.03	4.359	55.01	27.51	25.43	11.52	.1123
#1	.0005	-.0043	.0017	.0013	.0335	.0009	-.0001	-.0003	-.0039	.0011
#2	-.0030	-.0062	.0010	.0007	.0315	.0004	-.0001	-.0005	-.0033	.0011

Elem	W_2397	Zn2062	Zr3391
Avg	.0009	.0003	.0001
Stddev	.0042	.0001	.0002
%RSD	457.7	43.21	166.2
#1	.0039	.0002	.0000
#2	-.0021	.0004	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1377.1	54089.	10542.
Stddev	1.6	59.	65.
%RSD	.11369	.10847	.61455
#1	1376.0	54047.	10497.
#2	1378.2	54130.	10588.

Zoom In Zoom Out

Sample Name: MP21454-S1 Acquired: 8/7/2013 9:56:46 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.1579	200.3	.6539	-.0325	.8032	3.588	.3986	154.4	.4202
Stddev	.0006	.0	.0047	.0017	.0018	.003	.0003	.3	.0003
%RSD	.3510	.0035	.7168	5.174	.2250	.0856	.0653	.1761	.0623
#1	.1583	200.3	.6506	-.0336	.8020	3.585	.3988	154.6	.4200
#2	.1575	200.3	.6573	-.0313	.8045	3.590	.3984	154.2	.4203

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.6454	.6546	.8795	F468.7	32.09	110.8	13.53	.0355	43.61
Stddev	.0006	.0025	.0042	2.4	.02	.3	.11	.0001	.01
%RSD	.0878	.3808	.4798	.5070	.0623	.2924	.8317	.1747	.0248
#1	.6458	.6528	.8825	470.4	32.10	111.1	13.45	.0355	43.60
#2	.6450	.6564	.8765	467.1	32.07	110.6	13.61	.0356	43.62

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.8191	1.241	-.0444	.0386	.0451	.3159	87.67	.0141	.7795
Stddev	.0008	.000	.0018	.0031	.0001	.0009	.25	.0003	.0006
%RSD	.0972	.0235	4.098	7.906	.1516	.2722	.2834	1.861	.0766
#1	.8185	1.241	-.0431	.0364	.0451	.3153	87.50	.0143	.7790
#2	.8197	1.241	-.0457	.0408	.0450	.3166	87.85	.0140	.7799

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.8011	.3913	.7577	.0067	1.800	.0230
Stddev	.0047	.0007	.0015	.0057	.002	.0001
%RSD	.5863	.1679	.2045	85.94	.1273	.3855
#1	.8045	.3908	.7566	.0107	1.802	.0231
#2	.7978	.3917	.7588	.0026	1.799	.0229

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1690.5	68169.	13637.
Stddev	.4	655.	105.
%RSD	.02341	.96057	.76640
#1	1690.8	68632.	13564.
#2	1690.2	67706.	13711.

Zoom In Zoom Out

Sample Name: MP21454-S2 Acquired: 8/7/2013 10:01:07 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.1562	211.8	.6583	-.0319	.7982	3.602	.3947	154.7	.4189
Stddev	.0003	.2	.0013	.0010	.0004	.002	.0000	.1	.0007
%RSD	.2193	.0786	.1944	3.223	.0443	.0485	.0056	.0951	.1695
#1	.1560	211.9	.6592	-.0311	.7985	3.603	.3947	154.6	.4184
#2	.1565	211.7	.6573	-.0326	.7980	3.600	.3947	154.8	.4194

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.6522	.6611	.8937	F472.2	32.64	112.1	13.68	.0367	43.53
Stddev	.0007	.0013	.0022	.9	.01	.4	.07	.0001	.07
%RSD	.1057	.1937	.2452	.2011	.0399	.3356	.4793	.1594	.1529
#1	.6517	.6620	.8922	472.8	32.65	111.8	13.73	.0367	43.57
#2	.6526	.6602	.8953	471.5	32.64	112.4	13.64	.0366	43.48

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.8342	1.251	-.0487	.0330	.0405	.3115	95.53	.0155	.7791
Stddev	.0015	.003	.0016	.0001	.0016	.0001	.34	.0002	.0019
%RSD	.1842	.2606	3.365	.2358	3.838	.0353	.3592	1.439	.2383
#1	.8331	1.249	-.0498	.0330	.0416	.3114	95.28	.0153	.7804
#2	.8352	1.253	-.0475	.0331	.0394	.3116	95.77	.0156	.7777

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.8221	.3893	.7684	.0036	1.864	.0231
Stddev	.0032	.0013	.0001	.0073	.006	.0000
%RSD	.3835	.3397	.0107	203.0	.3323	.1229
#1	.8243	.3883	.7684	.0088	1.860	.0231
#2	.8198	.3902	.7683	-.0016	1.868	.0232

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1694.0	69045.	13706.
Stddev	3.4	354.	100.
%RSD	.20046	.51213	.73012
#1	1696.4	68795.	13777.
#2	1691.6	69295.	13635.

Zoom In Zoom Out

Sample Name: MC23211-2 Acquired: 8/7/2013 10:05:29 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0003	201.4	.2551	-.0286	.0743	2.120	.0142	139.7
Stddev	.0005	2.1	.0012	.0024	.0002	.020	.0001	1.6
%RSD	149.6	1.064	.4653	8.262	.2719	.9392	.9357	1.137
#1	.0000	202.9	.2542	-.0303	.0741	2.134	.0143	140.8
#2	-.0006	199.9	.2559	-.0270	.0744	2.106	.0141	138.6

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0119	.2487	.2755	.4670	F463.8	14.17	92.53	13.24
Stddev	.0001	.0002	.0014	.0014	4.3	.25	1.13	.04
%RSD	.6654	.0623	.4936	.2977	.9197	1.793	1.220	.2704
#1	.0120	.2486	.2745	.4660	466.8	14.35	93.33	13.22
#2	.0119	.2488	.2765	.4680	460.8	13.99	91.73	13.27

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0343	24.12	.4363	.4849	-.0426	.0350	-.0004	F-.0120
Stddev	.0001	.27	.0005	.0011	.0006	.0018	.0002	.0018
%RSD	.2803	1.119	.1110	.2210	1.432	5.174	59.65	15.00
#1	.0342	24.31	.4360	.4841	-.0421	.0362	-.0002	-.0108
#2	.0344	23.93	.4366	.4856	-.0430	.0337	-.0005	-.0133

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	93.63	.0152	.4075	.6808	.0041	.3912	-.0008	1.443
Stddev	.13	.0005	.0040	.0018	.0013	.0006	.0027	.002
%RSD	.1412	3.210	.9874	.2716	32.45	.1522	356.2	.1500
#1	93.54	.0149	.4103	.6795	.0050	.3916	-.0027	1.441
#2	93.73	.0156	.4046	.6821	.0032	.3908	.0012	1.444

Elem	Zr3391
Avg	.0201
Stddev	.0000
%RSD	.2421
#1	.0200
#2	.0201

Zoom In Zoom Out

Sample Name: MC23211-2 Acquired: 8/7/2013 10:05:29 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1690.7	68416.	13510.
Stddev	1.0	324.	188.
%RSD	.05760	.47329	1.3882
#1	1690.0	68644.	13377.
#2	1691.4	68187.	13642.

Zoom In Zoom Out

Sample Name: MP21454-SD1 Acquired: 8/7/2013 10:09:53 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	244.4	.3269	-.0252	.0998	2.605	.0173	177.9	.0128	.3075
Stddev	.002	2.2	.0007	.0031	.0000	.018	.0002	.8	.0000	.0049
%RSD	19870.	.9198	.2218	12.15	.0148	.6702	1.003	.4757	.2820	1.578
#1	-.0013	242.8	.3274	-.0274	.0998	2.593	.0172	177.3	.0128	.3109
#2	.0013	246.0	.3264	-.0230	.0999	2.618	.0174	178.5	.0128	.3040

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.3606	.5831	622.7	17.52	116.5	18.16	.0441	29.36	.5483	.6152
Stddev	.0010	.0005	3.9	.11	.1	.05	.0008	.25	.0025	.0026
%RSD	.2702	.0904	.6262	.6318	.0642	.2916	1.859	.8430	.4637	.4231
#1	.3599	.5835	620.0	17.60	116.4	18.12	.0446	29.18	.5501	.6133
#2	.3613	.5827	625.5	17.44	116.5	18.19	.0435	29.53	.5465	.6170

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0439	.0059	.0045	-.0018	115.8	.0165	.5104	.8926	.0034	.5144
Stddev	.0003	.0132	.0032	.0038	.3	.0023	.0002	.0096	.0067	.0004
%RSD	.6277	223.5	71.71	207.4	.2659	14.24	.0388	1.081	197.6	.0831
#1	-.0441	-.0034	.0022	-.0046	116.0	.0181	.5105	.8858	-.0013	.5147
#2	-.0437	.0152	.0068	.0009	115.5	.0148	.5103	.8994	.0081	.5141

Elem	W_2397	Zn2062	Zr3391
Avg	-.0111	1.875	.0251
Stddev	.0317	.003	.0007
%RSD	286.0	.1443	2.893
#1	.0113	1.877	.0256
#2	-.0335	1.873	.0246

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1439.4	56497.	11200.
Stddev	1.8	476.	14.
%RSD	.12385	.84340	.12823
#1	1438.2	56834.	11190.
#2	1440.7	56160.	11211.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 10:14:14 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2472	10.26	1.981	-.0030	2.015	1.888	1.962	9.904	1.992	2.067
Stddev	.0032	.12	.002	.0015	.006	.026	.025	.140	.002	.001
%RSD	1.276	1.200	.1003	49.46	.3006	1.402	1.300	1.414	.1000	.0436
#1	.2450	10.35	1.980	-.0040	2.011	1.907	1.980	10.00	1.991	2.067
#2	.2494	10.17	1.982	-.0019	2.020	1.869	1.944	9.805	1.994	2.068

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.941	1.966	9.600	9.754	9.581	2.029	1.988	10.27	1.945	1.931
Stddev	.042	.032	.162	.143	.223	.038	.004	.10	.000	.003
%RSD	2.158	1.616	1.692	1.462	2.326	1.866	.2124	.9612	.0031	.1686
#1	1.911	1.943	9.715	9.854	9.739	2.002	1.985	10.34	1.944	1.928
#2	1.970	1.988	9.486	9.653	9.424	2.056	1.991	10.20	1.945	1.933

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0013	.0053	2.004	1.997	.4005	2.020	1.967	1.978	1.993	1.980
Stddev	.0008	.0074	.001	.003	.0252	.004	.029	.035	.008	.035
%RSD	65.10	140.9	.0465	.1609	6.303	.1855	1.501	1.757	.3942	1.780
#1	-.0019	.0000	2.004	1.994	.4184	2.018	1.988	1.954	1.987	1.955
#2	-.0007	.0105	2.005	1.999	.3827	2.023	1.946	2.003	1.998	2.005

Elem	W_2397	Zn2062	Zr3391
Avg	.0042	1.892	-.0023
Stddev	.0022	.001	.0003
%RSD	51.92	.0276	11.25
#1	.0058	1.891	-.0021
#2	.0027	1.892	-.0025

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1359.8	53220.	10349.
Stddev	1.4	1095.	71.
%RSD	.10123	2.0576	.68708
#1	1358.8	53995.	10299.
#2	1360.7	52446.	10400.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 10:18:26 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0000	.0093	F.0026	.0019	.0030	.0000	.0002	.0043	.0001
Stddev	.000	.0017	.0011	.0007	.0001	.000	.0000	.0002	.0000
%RSD	2956.	18.78	43.23	35.27	2.111	301.9	7.631	4.066	16.91
#1	-.0001	.0080	.0034	.0015	.0029	.0000	.0002	.0044	.0001
#2	.0001	.0105	.0018	.0024	.0030	.0000	.0002	.0042	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	-.0002	.0018	.0040	.0381	-.0240	.0002	.0028	.0087
Stddev	.0003	.0004	.0002	.0004	.0471	.0294	.0001	.0002	.0026
%RSD	110.4	179.2	11.63	9.474	123.7	122.4	31.56	8.563	29.86
#1	.0001	.0001	.0017	.0038	.0714	-.0032	.0001	.0030	.0068
#2	.0004	-.0005	.0020	.0043	.0048	-.0448	.0002	.0026	.0105

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0002	.0015	-.0014	-.0013	.0015	.0004	.0905	.0001	.0000
Stddev	.0003	.0005	.0014	.0000	.0002	.0001	.0082	.0004	.0001
%RSD	163.2	32.95	96.76	.1029	10.08	13.61	9.072	458.8	1941.
#1	.0000	.0018	-.0024	-.0012	.0014	.0005	.0963	.0004	-.0001
#2	.0004	.0011	-.0004	-.0013	.0016	.0004	.0847	-.0002	.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0004	-.0001	.0007	-.0038	.0002	.0001
Stddev	.0006	.0005	.0001	.0012	.0003	.0002
%RSD	152.8	349.7	13.15	31.71	179.4	348.5
#1	.0000	.0002	.0008	-.0030	.0000	-.0001
#2	-.0008	-.0005	.0007	-.0047	.0004	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1383.8	53909.	10406.
Stddev	1.4	80.	20.
%RSD	.10462	.14769	.19469
#1	1382.8	53965.	10391.
#2	1384.9	53853.	10420.

Zoom In Zoom Out

Sample Name: MP21454-B2 Acquired: 8/7/2013 10:24:27 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2010	2.148	.5363	.0000	1.032	1.938	.5166	24.57	.5175	.5198
Stddev	.0003	.007	.0030	.001	.000	.007	.0002	.03	.0004	.0014
%RSD	.1406	.3066	.5685	3379.	.0233	.3873	.0303	.1056	.0717	.2625
#1	.2012	2.143	.5341	.0007	1.032	1.932	.5164	24.59	.5172	.5189
#2	.2008	2.153	.5384	-.0008	1.033	1.943	.5167	24.55	.5177	.5208

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5250	.4964	1.938	24.73	24.30	.5166	.0010	26.20	.4909	.9898
Stddev	.0005	.0000	.009	.07	.10	.0013	.0001	.01	.0006	.0021
%RSD	.0928	.0047	.4734	.2813	.3933	.2548	10.39	.0494	.1216	.2153
#1	.5254	.4964	1.931	24.68	24.36	.5176	.0011	26.19	.4913	.9883
#2	.5247	.4964	1.944	24.78	24.23	.5157	.0009	26.21	.4905	.9913

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0011	-.0039	.5130	.5100	.1076	-.0006	.4826	.5019	.5109	.5358
Stddev	.0011	.0022	.0020	.0022	.0047	.0002	.0028	.0021	.0014	.0017
%RSD	104.8	56.36	.3858	.4294	4.369	31.64	.5875	.4145	.2667	.3245
#1	-.0003	-.0055	.5144	.5115	.1109	-.0004	.4806	.5033	.5119	.5346
#2	-.0019	-.0024	.5116	.5084	.1043	-.0007	.4846	.5004	.5100	.5370

Elem	W_2397	Zn2062	Zr3391
Avg	-.0022	.4975	-.0014
Stddev	.0015	.0011	.0001
%RSD	68.25	.2213	4.860
#1	-.0033	.4967	-.0013
#2	-.0012	.4982	-.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1358.5	52864.	10364.
Stddev	2.8	215.	128.
%RSD	.20692	.40758	1.2395
#1	1360.5	52711.	10273.
#2	1356.5	53016.	10455.

Zoom In Zoom Out

Sample Name: MC23189-1 Acquired: 8/7/2013 10:28:39 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0001	.0204	.0069	.0000	.1078	.0735	.0001	28.19
Stddev	.0002	.0032	.0012	.0003	.0006	.0005	.0001	.29
%RSD	234.4	15.65	17.39	1214.	.5805	.6722	91.15	1.026
#1	-.0001	.0227	.0077	-.0002	.1083	.0739	.0001	28.39
#2	.0002	.0182	.0060	.0002	.1074	.0732	.0000	27.98

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0003	.0007	.0018	.0028	.5001	5.496	6.140	.8384
Stddev	.0000	.0003	.0000	.0002	.0028	.016	.017	.0001
%RSD	19.08	46.92	1.616	5.511	.5691	.2981	.2723	.0176
#1	.0002	.0009	.0018	.0027	.5021	5.508	6.128	.8385
#2	.0003	.0004	.0018	.0029	.4981	5.484	6.152	.8383

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0065	132.8	.0006	.0013	-.0040	-.0006	.0026	.0029
Stddev	.0001	1.2	.0000	.0003	.0012	.0003	.0002	.0003
%RSD	.8895	.9196	.2762	20.60	29.81	48.33	7.876	9.560
#1	.0065	133.7	.0006	.0015	-.0048	-.0004	.0027	.0027
#2	.0066	131.9	.0006	.0011	-.0031	-.0008	.0024	.0031

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	3.971	-.0001	.1896	.0001	F-.0059	.0012	.0015	.0183
Stddev	.009	.0008	.0028	.0000	.0020	.0001	.0032	.0001
%RSD	.2198	606.9	1.473	9.540	34.07	6.294	210.7	.3274
#1	3.977	.0005	.1916	.0001	-.0045	.0012	.0037	.0183
#2	3.965	-.0007	.1877	.0001	-.0073	.0011	-.0007	.0184

Elem	Zr3391
Avg	-.0007
Stddev	.0000
%RSD	1.525
#1	-.0007
#2	-.0007

Zoom In Zoom Out

Sample Name: MC23189-1 Acquired: 8/7/2013 10:28:39 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1371.4	53222.	10576.
Stddev	1.0	33.	59.
%RSD	.07207	.06131	.56152
#1	1370.7	53245.	10534.
#2	1372.1	53199.	10618.

Zoom In Zoom Out

Sample Name: MC23189-2 Acquired: 8/7/2013 10:32:58 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0001	.0122	.0039	-.0034	.1680	.1028	.0000	52.78
Stddev	.0005	.0047	.0016	.0015	.0015	.0003	.000	.71
%RSD	466.6	38.55	41.08	43.12	.9181	.2844	5957.	1.346
#1	.0003	.0088	.0050	-.0024	.1691	.1030	.0000	53.28
#2	-.0005	.0155	.0027	-.0045	.1669	.1025	.0000	52.27

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0003	-.0001	.0000	.0037	.0210	10.38	13.76	2.427
Stddev	.0001	.0001	.000	.0004	.0030	.01	.00	.007
%RSD	36.00	66.34	2544.	9.860	14.43	.0812	.0031	.2859
#1	.0004	-.0001	-.0003	.0034	.0188	10.37	13.75	2.422
#2	.0002	-.0002	.0002	.0039	.0231	10.39	13.76	2.432

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0744	315.0	.0003	-.0017	-.0059	.0112	.0019	.0020
Stddev	.0004	9.2	.0002	.0014	.0020	.0044	.0008	.0002
%RSD	.4769	2.910	90.60	82.78	33.73	39.20	45.40	9.490
#1	.0746	321.5	.0004	-.0026	-.0045	.0143	.0013	.0019
#2	.0741	308.6	.0001	-.0007	-.0073	.0081	.0025	.0022

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	7.758	-.0001	.2749	.0003	F-.0056	.0011	-.0049	.0130
Stddev	.006	.0004	.0034	.0001	.0004	.0004	.0004	.0001
%RSD	.0741	590.5	1.251	29.05	7.026	37.96	8.211	.4385
#1	7.762	-.0004	.2773	.0004	-.0059	.0013	-.0052	.0130
#2	7.754	.0002	.2725	.0002	-.0053	.0008	-.0046	.0131

Elem	Zr3391
Avg	-.0016
Stddev	.0000
%RSD	.2217
#1	-.0016
#2	-.0016

Zoom In Zoom Out

Sample Name: MC23189-2 Acquired: 8/7/2013 10:32:58 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1377.9	53662.	10566.
Stddev	3.5	103.	139.
%RSD	.25590	.19267	1.3190
#1	1380.4	53735.	10467.
#2	1375.4	53589.	10665.

Zoom In Zoom Out

Sample Name: MC23189-3 Acquired: 8/7/2013 10:37:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	.0240	.0005	-.0032	.1532	.0490	.0000	88.72	.0330	.0745
Stddev	.0003	.0032	.0005	.0014	.0004	.0001	.0000	.47	.0003	.0004
%RSD	3534.	13.45	100.6	43.87	.2782	.2788	69.47	.5315	.8875	.4986
#1	-.0002	.0217	.0009	-.0022	.1535	.0491	.0001	89.06	.0332	.0748
#2	.0002	.0263	.0002	-.0042	.1529	.0489	.0000	88.39	.0328	.0742

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0012	.0164	.0399	10.18	16.84	1.871	.0037	123.9	.0876	-.0017
Stddev	.0002	.0007	.0024	.02	.16	.002	.0001	.7	.0005	.0012
%RSD	14.89	4.357	5.911	.2160	.9749	.1047	2.938	.5358	.6171	71.14
#1	.0014	.0159	.0415	10.20	16.96	1.873	.0038	124.4	.0879	-.0026
#2	.0011	.0169	.0382	10.16	16.72	1.870	.0036	123.5	.0872	-.0009

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0062	.0022	.0031	.0025	9.365	-.0001	.4109	.0004	-.0050	.0014
Stddev	.0014	.0101	.0001	.0003	.013	.0001	.0011	.0003	.0010	.0002
%RSD	22.81	455.1	4.444	13.22	.1338	66.59	.2660	89.84	20.26	17.35
#1	-.0072	.0094	.0030	.0027	9.374	-.0001	.4117	.0001	-.0043	.0015
#2	-.0052	-.0049	.0032	.0023	9.356	-.0001	.4102	.0006	-.0057	.0012

Elem	W_2397	Zn2062	Zr3391
Avg	-.0042	.5553	-.0016
Stddev	.0043	.0016	.0002
%RSD	100.5	.2808	10.11
#1	-.0073	.5564	-.0017
#2	-.0012	.5542	-.0015

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1358.4	52891.	10414.
Stddev	4.2	5.	63.
%RSD	.30989	.00867	.60086
#1	1355.4	52894.	10370.
#2	1361.3	52888.	10458.

Zoom In Zoom Out

Sample Name: MC23189-4 Acquired: 8/7/2013 10:41:38 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0003	.1586	.0216	-.0044	.2098	.1202	.0000	83.54
Stddev	.0003	.0002	.0006	.0005	.0003	.0004	.0001	.33
%RSD	96.60	.1553	2.642	10.57	.1285	.3368	277.4	.3892
#1	.0001	.1584	.0220	-.0041	.2096	.1205	.0000	83.77
#2	.0006	.1587	.0212	-.0048	.2099	.1199	.0001	83.31

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0013	.0012	.0023	.0054	.2826	9.088	25.99	2.344
Stddev	.0002	.0000	.0002	.0001	.0018	.036	.08	.003
%RSD	11.89	4.072	9.097	1.951	.6290	.4010	.3022	.1377
#1	.0014	.0012	.0024	.0055	.2838	9.113	26.04	2.342
#2	.0012	.0011	.0021	.0053	.2813	9.062	25.93	2.346

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0144	261.2	.0016	-.0005	-.0068	.0005	.0017	.0016
Stddev	.0004	4.3	.0002	.0000	.0010	.0012	.0007	.0000
%RSD	2.918	1.637	10.45	.6075	14.09	248.8	39.80	2.930
#1	.0147	264.2	.0015	-.0005	-.0061	.0013	.0021	.0016
#2	.0142	258.1	.0017	-.0005	-.0074	-.0004	.0012	.0015

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	6.032	.0005	.4755	.0039	F-.0053	.0016	-.0013	.0253
Stddev	.011	.0001	.0002	.0008	.0008	.0006	.0035	.0000
%RSD	.1843	25.56	.0492	20.94	14.76	36.01	279.8	.0824
#1	6.040	.0004	.4757	.0033	-.0059	.0012	-.0038	.0253
#2	6.024	.0006	.4754	.0045	-.0048	.0020	.0012	.0254

Elem	Zr3391
Avg	-.0009
Stddev	.0000
%RSD	4.974
#1	-.0009
#2	-.0009

Zoom In Zoom Out

Sample Name: MC23189-4 Acquired: 8/7/2013 10:41:38 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1369.1	53170.	10617.
Stddev	6.0	128.	62.
%RSD	.44122	.24024	.58486
#1	1364.9	53080.	10573.
#2	1373.4	53261.	10661.

Zoom In Zoom Out

Sample Name: MC23189-5 Acquired: 8/7/2013 10:46:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0001	.0200	.0271	-.0030	.1606	.1458	.0000	66.91
Stddev	.0001	.0093	.0007	.0009	.0010	.0002	.0001	.03
%RSD	186.0	46.84	2.620	31.01	.6149	.1307	1466.	.0399
#1	.0000	.0266	.0277	-.0036	.1613	.1460	.0001	66.89
#2	-.0001	.0133	.0266	-.0023	.1599	.1457	-.0001	66.93

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0018	.0019	.0006	.0125	.9243	15.27	15.25	1.930
Stddev	.0002	.0001	.0000	.0005	.0006	.01	.03	.002
%RSD	9.085	2.652	.2166	3.792	.0617	.0403	.2023	.0983
#1	.0019	.0019	.0006	.0122	.9239	15.27	15.23	1.929
#2	.0016	.0019	.0006	.0129	.9248	15.28	15.28	1.932

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0230	139.6	.0013	.0012	-.0062	.0091	.0021	.0018
Stddev	.0002	.0	.0001	.0007	.0018	.0067	.0001	.0009
%RSD	.6725	.0060	10.10	58.80	28.66	73.71	4.505	52.37
#1	.0229	139.7	.0012	.0017	-.0075	.0138	.0020	.0024
#2	.0231	139.6	.0014	.0007	-.0050	.0043	.0022	.0011

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	4.892	-.0006	.4587	.0010	F-.0065	.0018	-.0029	.0321
Stddev	.004	.0006	.0006	.0001	.0020	.0006	.0007	.0002
%RSD	.0883	93.53	.1238	14.24	30.74	31.80	23.48	.6056
#1	4.895	-.0011	.4591	.0009	-.0051	.0022	-.0033	.0320
#2	4.889	-.0002	.4583	.0011	-.0079	.0014	-.0024	.0322

Elem	Zr3391
Avg	-.0009
Stddev	.0003
%RSD	28.83
#1	-.0007
#2	-.0011

Zoom In Zoom Out

Sample Name: MC23189-5 Acquired: 8/7/2013 10:46:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1383.9	53306.	10572.
Stddev	.4	12.	33.
%RSD	.02854	.02244	.31224
#1	1383.7	53315.	10595.
#2	1384.2	53298.	10549.

Zoom In Zoom Out

Sample Name: MC23190-1F Acquired: 8/7/2013 10:50:19 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0006	.0075	.0020	.0003	.1043	.0486	.0001	41.37
Stddev	.0001	.0034	.0031	.0003	.0004	.0004	.0000	.27
%RSD	18.24	45.45	157.0	81.87	.4304	.7257	31.35	.6524
#1	.0007	.0099	.0042	.0001	.1046	.0484	.0001	41.18
#2	.0005	.0051	-.0002	.0005	.1039	.0489	.0001	41.56

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0006	.0009	.0008	.0039	6.226	8.863	5.361	.5133
Stddev	.0001	.0001	.0006	.0004	.048	.141	.012	.0094
%RSD	11.45	8.513	76.71	10.02	.7632	1.589	.2171	1.841
#1	.0006	.0008	.0004	.0036	6.193	8.764	5.353	.5066
#2	.0007	.0010	.0012	.0042	6.260	8.963	5.369	.5200

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0012	90.76	.0030	-.0015	-.0038	-.0017	.0016	.0018
Stddev	.0002	.77	.0000	.0006	.0016	.0050	.0011	.0005
%RSD	13.50	.8466	.2273	40.43	41.38	298.6	71.69	26.10
#1	.0013	90.22	.0030	-.0019	-.0049	.0019	.0024	.0014
#2	.0011	91.31	.0030	-.0011	-.0027	-.0052	.0008	.0021

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	8.276	-.0002	.2873	.0002	F-.0056	.0008	.0015	.0350
Stddev	.007	.0001	.0021	.0000	.0020	.0001	.0023	.0000
%RSD	.0847	49.76	.7287	15.79	36.57	16.37	149.2	.0647
#1	8.271	-.0002	.2858	.0003	-.0070	.0009	-.0001	.0349
#2	8.281	-.0001	.2888	.0002	-.0041	.0007	.0031	.0350

Elem	Zr3391
Avg	-.0016
Stddev	.0002
%RSD	14.93
#1	-.0014
#2	-.0017

Zoom In Zoom Out

Sample Name: MC23190-1F Acquired: 8/7/2013 10:50:19 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1381.4	54374.	10503.
Stddev	1.6	941.	32.
%RSD	.11920	1.7303	.30005
#1	1382.5	55039.	10481.
#2	1380.2	53709.	10525.

Zoom In Zoom Out

Sample Name: MC23190-3 Acquired: 8/7/2013 10:54:37 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0003	.3619	.0018	.0009	.0468	.0233	.0001	15.16
Stddev	.0001	.0029	.0003	.0009	.0003	.0004	.0001	.13
%RSD	19.94	.8137	17.91	109.6	.6355	1.536	154.9	.8791
#1	.0003	.3640	.0020	.0015	.0470	.0236	.0000	15.25
#2	.0002	.3599	.0015	.0002	.0466	.0231	.0001	15.06

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0027	.0002	.0011	.0173	.5016	3.196	1.370	.0594
Stddev	.0000	.0001	.0001	.0003	.0009	.009	.019	.0001
%RSD	.0814	33.20	6.674	2.025	.1696	.2867	1.394	.2118
#1	.0027	.0002	.0012	.0170	.5022	3.189	1.357	.0595
#2	.0027	.0002	.0011	.0175	.5010	3.202	1.384	.0593

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0019	39.26	.0026	.0007	-.0039	-.0073	.0013	.0019
Stddev	.0001	.25	.0005	.0002	.0004	.0005	.0011	.0002
%RSD	7.284	.6486	18.30	26.39	9.939	7.083	85.26	12.37
#1	.0018	39.44	.0022	.0005	-.0036	-.0077	.0005	.0017
#2	.0020	39.08	.0029	.0008	-.0042	-.0069	.0021	.0021

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	6.802	-.0003	.0712	.0095	F-.0065	.0026	-.0010	.0657
Stddev	.012	.0005	.0002	.0003	.0014	.0000	.0022	.0003
%RSD	.1805	142.1	.3129	2.709	22.07	.9140	219.9	.4527
#1	6.811	-.0007	.0714	.0097	-.0055	.0026	-.0025	.0655
#2	6.794	.0000	.0711	.0093	-.0075	.0026	.0006	.0660

Elem	Zr3391
Avg	-.0012
Stddev	.0003
%RSD	22.97
#1	-.0010
#2	-.0014

Zoom In Zoom Out

Sample Name: MC23190-3 Acquired: 8/7/2013 10:54:37 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1387.9	53526.	10609.
Stddev	.9	138.	169.
%RSD	.06202	.25873	1.5908
#1	1387.3	53428.	10490.
#2	1388.5	53624.	10728.

Zoom In Zoom Out

Sample Name: MC23190-5 Acquired: 8/7/2013 10:58:57 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0005	.0570	.0032	-.0009	.1397	.1595	.0001	40.47
Stddev	.0003	.0045	.0012	.0001	.0009	.0022	.0001	.81
%RSD	69.41	7.977	39.29	12.11	.6642	1.396	50.05	2.012
#1	.0002	.0602	.0023	-.0010	.1403	.1611	.0001	41.04
#2	.0007	.0538	.0041	-.0008	.1390	.1579	.0002	39.89

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0000	.0013	.0000	.0028	14.58	6.830	4.403	1.313
Stddev	.0000	.0000	.0003	.0002	.29	.028	.020	.008
%RSD	343.4	1.177	770.9	7.094	1.979	.4162	.4443	.6267
#1	.0000	.0013	.0002	.0027	14.78	6.850	4.390	1.307
#2	.0000	.0013	-.0002	.0029	14.38	6.810	4.417	1.319

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0009	218.7	.0001	-.0014	-.0041	.0029	.0010	.0013
Stddev	.0002	5.9	.0001	.0005	.0021	.0003	.0002	.0001
%RSD	18.19	2.708	139.2	32.10	51.22	11.86	15.93	9.131
#1	.0010	222.9	.0001	-.0011	-.0056	.0031	.0009	.0014
#2	.0008	214.5	.0000	-.0018	-.0026	.0026	.0011	.0013

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	7.344	-.0003	.2886	.0013	F-.0053	.0015	.0401	.0081
Stddev	.032	.0002	.0064	.0000	.0017	.0009	.0029	.0001
%RSD	.4395	62.34	2.234	3.663	31.59	60.32	7.208	.9083
#1	7.367	-.0001	.2932	.0013	-.0065	.0009	.0381	.0081
#2	7.321	-.0004	.2841	.0014	-.0041	.0022	.0422	.0080

Elem	Zr3391
Avg	-.0012
Stddev	.0001
%RSD	7.523
#1	-.0011
#2	-.0013

Zoom In Zoom Out

Sample Name: MC23190-5 Acquired: 8/7/2013 10:58:57 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1391.5	53763.	10566.
Stddev	6.4	97.	155.
%RSD	.45948	.17959	1.4669
#1	1387.0	53831.	10457.
#2	1396.0	53695.	10676.

Zoom In Zoom Out

Sample Name: MC23190-6 Acquired: 8/7/2013 11:03:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0002	.2427	.0021	-.0010	.2131	.1102	.0002	66.43
Stddev	.0000	.0068	.0006	.0002	.0003	.0004	.0001	.44
%RSD	18.95	2.817	29.79	25.55	.1284	.3618	36.99	.6655
#1	.0002	.2475	.0016	-.0011	.2130	.1104	.0002	66.12
#2	.0003	.2378	.0025	-.0008	.2133	.1099	.0003	66.74

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0003	-.0002	.0007	.0029	12.45	9.366	9.985	1.647
Stddev	.0001	.0000	.0001	.0005	.09	.010	.040	.006
%RSD	18.66	17.20	13.45	16.97	.7450	.1035	.4034	.3500
#1	.0003	-.0002	.0006	.0025	12.38	9.360	9.956	1.643
#2	.0002	-.0002	.0008	.0032	12.51	9.373	10.01	1.651

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0004	82.65	-.0001	.0002	-.0057	.0018	.0007	.0018
Stddev	.0001	.56	.0003	.0006	.0004	.0035	.0009	.0006
%RSD	28.41	.6811	239.3	266.5	7.249	194.5	132.2	34.52
#1	.0003	82.26	-.0003	.0006	-.0054	.0043	.0013	.0022
#2	.0005	83.05	.0001	-.0002	-.0060	-.0007	.0000	.0014

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	9.079	.0000	.3689	.0074	F-.0065	.0020	-.0016	.0148
Stddev	.004	.0002	.0029	.0004	.0005	.0007	.0008	.0002
%RSD	.0486	1616.	.7799	5.662	8.106	32.38	51.42	1.635
#1	9.082	-.0001	.3668	.0071	-.0069	.0025	-.0022	.0149
#2	9.076	.0002	.3709	.0077	-.0061	.0016	-.0010	.0146

Elem	Zr3391
Avg	-.0017
Stddev	.0000
%RSD	1.917
#1	-.0017
#2	-.0018

Zoom In Zoom Out

Sample Name: MC23190-6 Acquired: 8/7/2013 11:03:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1373.6	53383.	10523.
Stddev	5.1	281.	29.
%RSD	.37223	.52580	.27959
#1	1370.0	53582.	10544.
#2	1377.3	53185.	10502.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 11:07:41 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2464	10.32	1.962	-.0040	1.981	1.891	1.991	9.943	1.960	2.045
Stddev	.0015	.06	.003	.0005	.003	.011	.009	.067	.001	.001
%RSD	.6074	.6082	.1445	12.79	.1292	.5954	.4792	.6758	.0630	.0542
#1	.2454	10.28	1.960	-.0037	1.979	1.883	1.985	9.896	1.959	2.044
#2	.2475	10.37	1.964	-.0044	1.983	1.899	1.998	9.991	1.961	2.046

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.962	1.968	9.624	9.732	9.692	2.070	1.967	10.42	1.946	1.919
Stddev	.006	.001	.068	.041	.060	.004	.003	.04	.002	.001
%RSD	.3054	.0731	.7112	.4198	.6148	.2069	.1639	.4161	.0816	.0412
#1	1.958	1.969	9.576	9.704	9.650	2.067	1.965	10.39	1.945	1.920
#2	1.966	1.967	9.672	9.761	9.734	2.073	1.969	10.45	1.947	1.919

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0012	.0025	1.993	1.987	.1672	2.031	1.945	2.011	1.966	1.996
Stddev	.0004	.0112	.002	.003	.0027	.003	.010	.004	.003	.002
%RSD	33.76	450.1	.0970	.1537	1.601	.1569	.5313	.2023	.1457	.0938
#1	-.0014	-.0054	1.994	1.985	.1691	2.029	1.938	2.008	1.964	1.997
#2	-.0009	.0104	1.992	1.989	.1653	2.034	1.953	2.014	1.969	1.995

Elem	W_2397	Zn2062	Zr3391
Avg	.0084	1.873	-.0051
Stddev	.0008	.002	.0003
%RSD	9.148	.0880	5.205
#1	.0079	1.874	-.0049
#2	.0090	1.872	-.0053

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1378.1	53454.	10368.
Stddev	2.3	280.	28.
%RSD	.16600	.52370	.26922
#1	1376.4	53652.	10387.
#2	1379.7	53256.	10348.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 11:11:53 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	-.0036	.0014	.0016	.0026	-.0002	.0001	.0029	.0000	.0004
Stddev	.0001	.0016	.0005	.0015	.0002	.0000	.0001	.0023	.0001	.0001
%RSD	62.25	45.38	32.09	96.83	8.359	16.55	142.1	79.97	1368.	20.64
#1	.0002	-.0025	.0018	.0027	.0024	-.0002	.0002	.0013	-.0001	.0005
#2	.0001	-.0048	.0011	.0005	.0027	-.0002	.0000	.0046	.0001	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0004	.0028	.0001	.0205	-.0125	.0000	.0022	.0539	.0003	.0018
Stddev	.0002	.0001	.0017	.0155	.0136	.000	.0006	.0136	.0004	.0000
%RSD	55.45	1.973	1490.	75.53	108.3	36.27	27.86	25.20	122.2	2.431
#1	-.0006	.0028	.0013	.0315	-.0029	.0000	.0027	.0636	.0000	.0019
#2	-.0003	.0028	-.0011	.0096	-.0221	.0000	.0018	.0443	.0006	.0018

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0023	-.0003	.0015	.0015	.0143	.0002	-.0001	-.0001	-.0015	.0009
Stddev	.0014	.0020	.0015	.0012	.0001	.0004	.0000	.0001	.0002	.0006
%RSD	59.29	570.2	98.71	79.62	.6757	224.0	71.62	35.33	11.40	67.64
#1	-.0013	.0010	.0005	.0023	.0144	-.0001	.0000	-.0001	-.0017	.0014
#2	-.0033	-.0017	.0026	.0006	.0143	.0004	-.0001	-.0002	-.0014	.0005

Elem	W_2397	Zn2062	Zr3391
Avg	-.0013	.0001	.0000
Stddev	.0013	.0002	.0001
%RSD	101.9	303.8	568.7
#1	-.0004	-.0001	.0000
#2	-.0022	.0002	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1398.8	53954.	10396.
Stddev	1.7	33.	50.
%RSD	.12073	.06045	.47886
#1	1400.0	53931.	10360.
#2	1397.6	53977.	10431.

Zoom In Zoom Out

Sample Name: MC23210-4 Acquired: 8/7/2013 11:16:15 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0004	1.093	.0004	-.0119	.3104	.0790	.0000	50.45
Stddev	.0007	.002	.0006	.0015	.0007	.0005	.0001	.29
%RSD	182.9	.1548	143.9	12.54	.2347	.6842	257.9	.5711
#1	-.0001	1.091	.0000	-.0130	.3099	.0794	.0001	50.66
#2	.0009	1.094	.0008	-.0109	.3110	.0786	.0000	50.25

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0012	.0282	.0048	.0120	1.481	8.277	12.80	6.018
Stddev	.0001	.0002	.0001	.0009	.004	.016	.01	.001
%RSD	4.548	.5582	2.979	7.738	.2490	.1911	.0627	.0151
#1	.0012	.0281	.0047	.0113	1.483	8.288	12.80	6.018
#2	.0011	.0283	.0050	.0126	1.478	8.265	12.81	6.017

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0114	96.32	.0207	-.0008	-.0045	.0310	.0008	.0021
Stddev	.0002	.64	.0001	.0010	.0017	.0035	.0017	.0004
%RSD	2.077	.6627	.3878	135.2	38.31	11.23	226.1	17.63
#1	.0115	96.77	.0206	-.0015	-.0033	.0335	-.0005	.0024
#2	.0112	95.87	.0207	.0000	-.0057	.0285	.0020	.0019

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	10.70	.0006	.2639	.0526	F-.0053	.0035	-.0024	.0562
Stddev	.02	.0007	.0016	.0006	.0014	.0003	.0061	.0001
%RSD	.1496	115.9	.6204	1.060	26.56	9.875	257.5	.2142
#1	10.69	.0001	.2650	.0522	-.0043	.0037	-.0067	.0561
#2	10.72	.0012	.2627	.0530	-.0063	.0032	.0019	.0563

Elem	Zr3391
Avg	-.0018
Stddev	.0003
%RSD	15.45
#1	-.0016
#2	-.0019

Zoom In Zoom Out

Sample Name: MC23210-4 Acquired: 8/7/2013 11:16:15 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1371.7	53194.	10634.
Stddev	2.6	283.	31.
%RSD	.18675	.53121	.29290
#1	1373.6	52995.	10612.
#2	1369.9	53394.	10656.

Zoom In Zoom Out

Sample Name: MC23211-3 Acquired: 8/7/2013 11:20:40 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	59.82	.0566	-.0087	.0518	.5951	.0039	74.23	.0060	.0542
Stddev	.000	1.08	.0006	.0008	.0001	.0105	.0000	1.32	.0002	.0005
%RSD	4178.	1.806	1.058	9.067	.2548	1.759	.2373	1.783	3.059	.9153
#1	.0003	59.06	.0562	-.0081	.0517	.5877	.0040	73.30	.0058	.0539
#2	-.0003	60.59	.0570	-.0092	.0519	.6025	.0039	75.17	.0061	.0546

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0883	.1393	125.8	5.499	40.24	5.245	.0168	23.19	.1249	.0503
Stddev	.0009	.0012	2.4	.002	.08	.041	.0001	.42	.0002	.0012
%RSD	1.042	.8389	1.903	.0347	.2110	.7892	.4918	1.821	.1677	2.318
#1	.0877	.1384	124.1	5.497	40.18	5.274	.0168	22.89	.1248	.0494
#2	.0890	.1401	127.5	5.500	40.30	5.215	.0169	23.48	.1251	.0511

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0144	.0153	.0012	-.0004	66.91	.0033	.1562	.4318	-.0022	.1202
Stddev	.0018	.0009	.0003	.0006	.04	.0003	.0035	.0007	.0011	.0013
%RSD	12.34	5.612	21.49	150.1	.0562	10.08	2.232	.1642	49.80	1.051
#1	-.0157	.0146	.0014	-.0008	66.88	.0031	.1537	.4313	-.0030	.1193
#2	-.0132	.0159	.0010	.0000	66.93	.0036	.1587	.4323	-.0015	.1211

Elem	W_2397	Zn2062	Zr3391
Avg	-.0061	.3761	-.0042
Stddev	.0058	.0016	.0002
%RSD	96.25	.4161	4.855
#1	-.0019	.3750	-.0043
#2	-.0102	.3772	-.0041

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1468.3	57598.	11508.
Stddev	7.5	17.	166.
%RSD	.51315	.03033	1.4435
#1	1473.6	57611.	11626.
#2	1462.9	57586.	11391.

Zoom In Zoom Out

Sample Name: MC23211-4 Acquired: 8/7/2013 11:25:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0009	143.6	.3323	-.0201	.0994	.8801	.0091	164.4
Stddev	.0001	.6	.0005	.0013	.0011	.0032	.0000	.5
%RSD	13.07	.3835	.1476	6.270	1.139	.3649	.3790	.3277
#1	-.0008	144.0	.3320	-.0192	.0986	.8824	.0091	164.8
#2	-.0009	143.2	.3327	-.0210	.1002	.8779	.0091	164.0

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0107	.1793	.2002	.4784	440.1	8.014	120.4	8.285
Stddev	.0002	.0007	.0040	.0013	1.5	.055	.4	.028
%RSD	2.248	.3945	1.979	.2683	.3493	.6846	.3162	.3393
#1	.0109	.1788	.2030	.4775	441.2	7.975	120.7	8.305
#2	.0106	.1798	.1974	.4793	439.0	8.053	120.1	8.266

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0639	31.79	.4067	.2436	-.0463	.0123	-.0002	F-.0128
Stddev	.0002	.12	.0021	.0011	.0026	.0009	.0003	.0019
%RSD	.2933	.3893	.5153	.4625	5.696	7.601	228.6	14.58
#1	.0641	31.87	.4052	.2428	-.0482	.0130	-.0004	-.0115
#2	.0638	31.70	.4082	.2444	-.0445	.0117	.0001	-.0141

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	76.17	.0078	.6921	.6251	.0032	.3056	.0067	1.368
Stddev	.23	.0000	.0024	.0032	.0021	.0000	.0002	.006
%RSD	.3069	.0732	.3408	.5106	65.04	.0114	2.400	.4505
#1	76.01	.0078	.6938	.6274	.0047	.3057	.0069	1.364
#2	76.34	.0078	.6904	.6228	.0017	.3056	.0066	1.372

Elem	Zr3391
Avg	.0246
Stddev	.0002
%RSD	.9120
#1	.0247
#2	.0244

Zoom In Zoom Out

Sample Name: MC23211-4 Acquired: 8/7/2013 11:25:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1580.7	63541.	12701.
Stddev	4.0	334.	24.
%RSD	.25616	.52575	.18910
#1	1583.6	63305.	12684.
#2	1577.8	63778.	12718.

Zoom In Zoom Out

Sample Name: MC23211-5 Acquired: 8/7/2013 11:29:25 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0006	244.2	.3225	-.0351	.2000	1.687	.0147	326.0
Stddev	.0001	6.7	.0009	.0027	.0006	.042	.0004	16.4
%RSD	15.04	2.751	.2876	7.797	.2758	2.489	2.667	5.033
#1	-.0007	249.0	.3232	-.0332	.1996	1.717	.0150	337.6
#2	-.0006	239.5	.3219	-.0370	.2004	1.657	.0144	314.4

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0151	.2857	.3393	.7525	F567.9	15.22	160.4	F14.80
Stddev	.0005	.0015	.0045	.0026	17.3	.28	4.6	.12
%RSD	3.243	.5079	1.324	.3519	3.045	1.869	2.888	.7832
#1	.0148	.2847	.3425	.7544	580.1	15.42	163.7	14.88
#2	.0155	.2868	.3361	.7506	555.7	15.01	157.1	14.72

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0510	5.397	.7390	.5910	F-.0778	.0356	-.0016	F-.0260
Stddev	.0002	.150	.0013	.0013	.0010	.0001	.0001	.0027
%RSD	.4510	2.782	.1736	.2172	1.326	.3686	5.131	10.28
#1	.0509	5.503	.7381	.5900	-.0771	.0355	-.0015	-.0241
#2	.0512	5.291	.7399	.5919	-.0785	.0357	-.0016	-.0279

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	92.97	.0136	.7349	.8185	.0105	.4727	.0163	2.017
Stddev	.29	.0004	.0171	.0000	.0020	.0002	.0054	.002
%RSD	.3157	2.706	2.327	.0059	19.60	.0399	32.79	.1054
#1	92.77	.0134	.7470	.8185	.0119	.4728	.0201	2.016
#2	93.18	.0139	.7228	.8185	.0090	.4725	.0125	2.019

Elem	Zr3391
Avg	.0272
Stddev	.0007
%RSD	2.597
#1	.0267
#2	.0277

Zoom In Zoom Out

Sample Name: MC23211-5 Acquired: 8/7/2013 11:29:25 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1760.6	71676.	14206.
Stddev	3.4	289.	366.
%RSD	.19196	.40348	2.5758
#1	1763.0	71471.	13947.
#2	1758.2	71880.	14464.

Zoom In Zoom Out

Sample Name: MC23211-6 Acquired: 8/7/2013 11:33:55 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	28.64	.0298	-.0062	.0501	.3279	.0018	65.60	.0032	.0235
Stddev	.0001	.39	.0004	.0028	.0002	.0049	.0000	.92	.0002	.0002
%RSD	36.15	1.366	1.235	45.38	.3589	1.484	1.360	1.409	7.279	.7440
#1	.0003	28.92	.0301	-.0081	.0502	.3313	.0018	66.25	.0031	.0234
#2	.0005	28.36	.0296	-.0042	.0500	.3244	.0018	64.94	.0034	.0236

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0399	.0637	58.33	3.704	31.30	3.532	.0106	24.55	.0539	.0189
Stddev	.0005	.0005	.76	.013	.20	.016	.0003	.38	.0003	.0011
%RSD	1.190	.8283	1.311	.3401	.6458	.4549	2.489	1.547	.5955	5.894
#1	.0402	.0641	58.87	3.695	31.44	3.520	.0108	24.82	.0541	.0182
#2	.0395	.0633	57.79	3.713	31.16	3.543	.0104	24.28	.0537	.0197

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0085	.0112	.0014	.0004	41.87	.0026	.1494	.3100	-.0045	.0568
Stddev	.0006	.0048	.0008	.0002	.04	.0002	.0020	.0029	.0014	.0008
%RSD	6.881	42.49	55.75	42.08	.0924	6.517	1.324	.9261	31.37	1.370
#1	-.0081	.0079	.0020	.0006	41.90	.0025	.1508	.3120	-.0055	.0573
#2	-.0089	.0146	.0009	.0003	41.84	.0027	.1480	.3080	-.0035	.0562

Elem	W_2397	Zn2062	Zr3391
Avg	-.0028	.1771	-.0022
Stddev	.0085	.0006	.0005
%RSD	299.7	.3437	20.89
#1	-.0089	.1766	-.0019
#2	.0032	.1775	-.0026

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1399.8	55217.	10940.
Stddev	4.9	322.	190.
%RSD	.34947	.58321	1.7407
#1	1403.3	55444.	10805.
#2	1396.4	54989.	11074.

Zoom In Zoom Out

Sample Name: MC23211-7 Acquired: 8/7/2013 11:38:11 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0002	12.58	.0792	-.0105	.1114	.3885	.0008	80.42
Stddev	.0008	.20	.0015	.0009	.0004	.0065	.0000	1.10
%RSD	335.7	1.619	1.923	8.935	.3647	1.678	2.487	1.367
#1	.0008	12.43	.0781	-.0098	.1111	.3838	.0008	79.64
#2	-.0003	12.72	.0803	-.0111	.1116	.3931	.0008	81.19

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0022	.0148	.0161	.0254	58.73	3.487	40.50	6.498
Stddev	.0001	.0000	.0007	.0001	.78	.002	.21	.010
%RSD	3.425	.2009	4.576	.5838	1.328	.0689	.5247	.1510
#1	.0022	.0147	.0155	.0255	58.18	3.489	40.35	6.505
#2	.0021	.0148	.0166	.0253	59.28	3.485	40.65	6.491

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0119	35.10	.0251	.0132	-.0097	.0283	.0016	.0009
Stddev	.0002	.54	.0001	.0012	.0001	.0074	.0000	.0005
%RSD	1.447	1.538	.2400	9.214	1.019	26.02	.6982	53.81
#1	.0120	34.72	.0251	.0141	-.0098	.0231	.0017	.0013
#2	.0117	35.48	.0252	.0124	-.0096	.0336	.0016	.0006

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	25.96	.0010	.3265	.1948	F-.0058	.0259	-.0038	.0932
Stddev	.01	.0008	.0045	.0024	.0006	.0003	.0049	.0000
%RSD	.0573	83.42	1.387	1.207	10.22	.9713	129.9	.0224
#1	25.95	.0004	.3233	.1931	-.0062	.0257	-.0003	.0932
#2	25.97	.0016	.3297	.1964	-.0054	.0261	-.0073	.0933

Elem	Zr3391
Avg	.0015
Stddev	.0002
%RSD	16.39
#1	.0013
#2	.0017

Zoom In Zoom Out

Sample Name: MC23211-7 Acquired: 8/7/2013 11:38:11 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1372.5	53595.	10563.
Stddev	2.3	125.	99.
%RSD	.16491	.23406	.93605
#1	1370.9	53506.	10633.
#2	1374.1	53684.	10493.

Zoom In Zoom Out

Sample Name: MC23211-8 Acquired: 8/7/2013 11:42:34 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.8977	.1283	-.0037	.1124	.2752	.0001	88.52	.0022	.0029
Stddev	.0002	.0626	.0014	.0009	.0007	.0178	.0000	5.66	.0002	.0001
%RSD	71.48	6.975	1.091	24.53	.6287	6.469	68.98	6.397	9.747	2.989
#1	.0004	.8534	.1292	-.0043	.1129	.2626	.0000	84.52	.0023	.0030
#2	.0001	.9419	.1273	-.0030	.1119	.2878	.0001	92.52	.0020	.0028

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0026	.0097	31.15	1.580	35.63	.6319	.0032	19.69	.0051	.0003
Stddev	.0003	.0023	2.17	.142	2.86	.0603	.0001	1.25	.0000	.0008
%RSD	10.20	23.95	6.951	8.965	8.038	9.546	3.105	6.323	.9678	282.6
#1	.0028	.0114	29.62	1.480	33.60	.6745	.0033	18.81	.0052	.0009
#2	.0024	.0081	32.68	1.680	37.65	.5892	.0032	20.57	.0051	-.0003

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0086	-.0003	.0021	.0017	7.898	-.0001	3.443	.0188	-.0044	.0033
Stddev	.0011	.0044	.0017	.0012	.016	.0001	.159	.0013	.0003	.0000
%RSD	12.26	1384.	80.17	68.80	.1960	58.47	4.624	7.052	5.822	.8654
#1	-.0093	.0028	.0009	.0009	7.909	-.0002	3.330	.0198	-.0046	.0033
#2	-.0078	-.0035	.0033	.0026	7.888	-.0001	3.555	.0179	-.0042	.0033

Elem	W_2397	Zn2062	Zr3391
Avg	-.0042	.0157	-.0001
Stddev	.0014	.0000	.0010
%RSD	32.14	.2025	916.8
#1	-.0052	.0157	.0006
#2	-.0033	.0157	-.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1354.9	50614.	10326.
Stddev	.2	4143.	511.
%RSD	.01834	8.1854	4.9525
#1	1354.8	47684.	10688.
#2	1355.1	53543.	9964.8

Zoom In Zoom Out

Sample Name: MC23211-9 Acquired: 8/7/2013 11:46:58 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0000	2.150	.0110	-.0166	.1650	.1323	.0001	88.54
Stddev	.000	.003	.0017	.0002	.0004	.0019	.0000	1.08
%RSD	361.8	.1358	15.51	.9522	.2201	1.452	8.792	1.217
#1	.0000	2.152	.0123	-.0167	.1648	.1336	.0001	89.30
#2	-.0001	2.148	.0098	-.0165	.1653	.1309	.0001	87.78

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0010	.0055	.0038	.0063	7.034	1.276	25.81	9.035
Stddev	.0001	.0001	.0009	.0004	.001	.013	.06	.049
%RSD	7.633	1.382	23.34	5.929	.0078	.9920	.2470	.5441
#1	.0010	.0055	.0044	.0066	7.034	1.267	25.85	9.070
#2	.0009	.0056	.0031	.0061	7.034	1.285	25.76	9.000

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0022	14.25	.0099	.0004	-.0067	.0445	.0012	.0005
Stddev	.0001	.20	.0001	.0001	.0008	.0020	.0001	.0009
%RSD	3.076	1.427	.6013	12.64	11.47	4.527	8.541	180.4
#1	.0022	14.39	.0100	.0004	-.0061	.0459	.0013	.0011
#2	.0021	14.11	.0099	.0004	-.0072	.0431	.0011	-.0001

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	9.786	-.0003	.2653	.0418	F-.0067	.0051	-.0051	.0157
Stddev	.021	.0007	.0038	.0002	.0009	.0004	.0017	.0001
%RSD	.2189	275.3	1.421	.5648	13.29	7.882	34.14	.7844
#1	9.771	.0002	.2679	.0417	-.0074	.0048	-.0063	.0158
#2	9.801	-.0007	.2626	.0420	-.0061	.0054	-.0039	.0157

Elem	Zr3391
Avg	-.0003
Stddev	.0000
%RSD	1.188
#1	-.0003
#2	-.0003

Zoom In Zoom Out

Sample Name: MC23211-9 Acquired: 8/7/2013 11:46:58 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1365.7	53389.	10537.
Stddev	.9	158.	104.
%RSD	.06875	.29599	.98964
#1	1365.1	53277.	10463.
#2	1366.4	53500.	10611.

Zoom In Zoom Out

Sample Name: MC23211-10 Acquired: 8/7/2013 11:51:23 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0005	1.824	.0317	-.0173	.0240	.2338	.0001	101.4
Stddev	.0004	.023	.0006	.0006	.0004	.0017	.0000	1.0
%RSD	71.65	1.278	1.844	3.237	1.799	.7295	20.44	.9672
#1	-.0002	1.807	.0321	-.0169	.0243	.2326	.0001	100.7
#2	-.0008	1.840	.0312	-.0177	.0237	.2351	.0001	102.1

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0013	.0043	.0033	.0115	17.93	3.301	48.14	8.683
Stddev	.0003	.0001	.0003	.0007	.16	.024	.37	.005
%RSD	21.78	1.171	10.48	5.924	.8682	.7197	.7632	.0578
#1	.0015	.0043	.0035	.0110	17.82	3.318	47.88	8.679
#2	.0011	.0044	.0030	.0120	18.04	3.284	48.40	8.686

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0068	63.27	.0123	-.0008	-.0080	.0380	.0020	.0005
Stddev	.0001	.57	.0001	.0017	.0009	.0035	.0002	.0001
%RSD	1.378	.9073	.7775	217.4	11.79	9.320	12.14	24.57
#1	.0069	62.87	.0122	.0004	-.0086	.0405	.0019	.0004
#2	.0067	63.68	.0123	-.0020	-.0073	.0355	.0022	.0006

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	11.78	.0003	.2529	.0326	F-.0056	.0051	-.0021	.0171
Stddev	.02	.0004	.0017	.0009	.0011	.0004	.0044	.0001
%RSD	.1804	151.0	.6532	2.857	19.39	8.716	216.3	.6927
#1	11.76	.0000	.2517	.0333	-.0048	.0054	-.0052	.0170
#2	11.79	.0006	.2541	.0320	-.0064	.0047	.0011	.0172

Elem	Zr3391
Avg	-.0009
Stddev	.0000
%RSD	1.963
#1	-.0009
#2	-.0010

Zoom In Zoom Out

Sample Name: MC23211-10 Acquired: 8/7/2013 11:51:23 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1358.7	53090.	10548.
Stddev	3.7	41.	199.
%RSD	.26989	.07752	1.8877
#1	1361.3	53119.	10689.
#2	1356.1	53061.	10407.

Zoom In Zoom Out

Sample Name: MC23251-8 Acquired: 8/7/2013 11:55:47 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	.0681	.0010	.0002	.3359	.0745	-.0001	42.77	.0002	.0039
Stddev	.0000	.0015	.0001	.0002	.0006	.0005	.0001	.19	.0002	.0000
%RSD	10.49	2.253	9.704	113.3	.1672	.6827	101.9	.4488	131.1	.5344
#1	-.0003	.0670	.0011	.0000	.3363	.0748	-.0001	42.90	.0003	.0039
#2	-.0004	.0692	.0010	.0004	.3355	.0741	.0000	42.63	.0000	.0039

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.453	.0025	.0467	8.532	6.904	.9520	.0004	68.47	.0010	-.0010
Stddev	.005	.0002	.0015	.002	.009	.0042	.0002	.36	.0000	.0004
%RSD	.2074	7.905	3.305	.0259	.1240	.4436	44.60	.5228	1.932	37.55
#1	2.457	.0023	.0478	8.530	6.910	.9550	.0003	68.73	.0010	-.0013
#2	2.450	.0026	.0456	8.534	6.897	.9490	.0006	68.22	.0010	-.0007

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0040	-.0063	.0020	.0027	5.904	.0002	.2353	.0027	-.0020	.0009
Stddev	.0010	.0006	.0002	.0006	.000	.0005	.0016	.0001	.0013	.0008
%RSD	24.14	9.382	8.589	22.37	.0053	287.5	.6870	3.840	62.86	85.48
#1	-.0034	-.0067	.0022	.0023	5.904	.0005	.2364	.0027	-.0030	.0004
#2	-.0047	-.0059	.0019	.0031	5.905	-.0002	.2341	.0026	-.0011	.0015

Elem	W_2397	Zn2062	Zr3391
Avg	-.0017	.0016	-.0013
Stddev	.0042	.0000	.0003
%RSD	244.4	.2520	19.50
#1	-.0047	.0016	-.0015
#2	.0012	.0016	-.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1375.9	53605.	10488.
Stddev	4.4	161.	58.
%RSD	.31884	.29953	.55101
#1	1372.8	53491.	10448.
#2	1379.0	53718.	10529.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 12:00:07 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2497	10.30	1.980	-.0035	2.010	1.883	1.974	9.892	1.985	2.064
Stddev	.0011	.07	.002	.0006	.004	.009	.009	.084	.001	.005
%RSD	.4511	.6667	.0835	15.64	.1913	.4569	.4602	.8536	.0495	.2464
#1	.2489	10.25	1.981	-.0039	2.012	1.877	1.967	9.832	1.986	2.068
#2	.2505	10.34	1.979	-.0032	2.007	1.889	1.980	9.951	1.984	2.060

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.965	1.986	9.537	9.672	9.470	2.065	1.986	10.33	1.949	1.929
Stddev	.001	.004	.068	.053	.071	.001	.000	.07	.002	.002
%RSD	.0394	.2193	.7138	.5495	.7532	.0514	.0224	.7115	.0904	.0912
#1	1.965	1.989	9.489	9.634	9.521	2.066	1.986	10.28	1.950	1.930
#2	1.966	1.982	9.585	9.709	9.420	2.064	1.986	10.38	1.947	1.928

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0031	.0039	2.003	2.002	.2105	2.023	1.949	2.012	1.987	2.012
Stddev	.0016	.0023	.006	.006	.0071	.006	.010	.002	.004	.004
%RSD	52.80	59.86	.2787	.2965	3.359	.3236	.5080	.1126	.1811	.1747
#1	-.0042	.0055	2.007	2.006	.2155	2.028	1.942	2.013	1.989	2.014
#2	-.0019	.0022	1.999	1.998	.2055	2.019	1.956	2.010	1.984	2.009

Elem	W_2397	Zn2062	Zr3391
Avg	.0042	1.892	-.0035
Stddev	.0034	.002	.0003
%RSD	81.45	.0885	7.606
#1	.0066	1.893	-.0033
#2	.0018	1.891	-.0037

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1368.2	53535.	10486.
Stddev	2.0	99.	168.
%RSD	.14925	.18425	1.6008
#1	1369.6	53604.	10604.
#2	1366.7	53465.	10367.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 12:04:19 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	.0097	.0013	.0020	.0024	-.0003	.0002	.0017	.0000	.0001
Stddev	.0000	.0038	.0006	.0001	.0007	.0001	.0000	.0007	.000	.0000
%RSD	15.56	39.74	50.31	4.416	28.84	42.37	17.21	38.56	266.6	45.75
#1	-.0003	.0070	.0008	.0021	.0029	-.0002	.0002	.0022	.0000	.0001
#2	-.0003	.0124	.0017	.0020	.0019	-.0003	.0001	.0012	.0000	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0017	-.0012	.0354	-.0289	.0000	.0027	.0249	.0003	.0017
Stddev	.0002	.0000	.0014	.0020	.0233	.000	.0004	.0043	.0006	.0006
%RSD	105.2	.9581	117.4	5.520	80.53	393.0	14.66	17.40	188.6	35.00
#1	-.0004	.0017	-.0022	.0368	-.0124	.0000	.0030	.0218	-.0001	.0022
#2	-.0001	.0017	-.0002	.0340	-.0453	.0000	.0024	.0280	.0007	.0013

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0032	-.0077	.0006	.0009	.0238	.0004	-.0001	-.0003	-.0003	.0009
Stddev	.0013	.0044	.0006	.0001	.0005	.0001	.0000	.0002	.0017	.0007
%RSD	39.93	56.62	100.3	7.852	2.109	18.31	7.106	58.04	522.0	78.95
#1	-.0023	-.0046	.0002	.0010	.0242	.0004	-.0001	-.0004	.0009	.0004
#2	-.0041	-.0108	.0010	.0009	.0235	.0005	-.0001	-.0002	-.0015	.0014

Elem	W_2397	Zn2062	Zr3391
Avg	-.0049	.0001	.0003
Stddev	.0047	.0001	.0001
%RSD	95.48	118.6	55.72
#1	-.0016	.0001	.0002
#2	-.0082	.0000	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1382.8	53585.	10398.
Stddev	.1	315.	170.
%RSD	.00993	.58753	1.6373
#1	1382.7	53362.	10278.
#2	1382.9	53807.	10519.

Zoom In Zoom Out

Sample Name: MP21459-B1 Acquired: 8/7/2013 12:08:42 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1989	2.078	.5290	-.0004	.0041	1.899	.5079	24.03	.5059	.5078
Stddev	.0010	.006	.0009	.0005	.0001	.000	.0002	.02	.0010	.0011
%RSD	.4975	.3084	.1747	115.1	1.328	.0033	.0343	.0921	.1950	.2138
#1	.1996	2.073	.5296	-.0008	.0040	1.899	.5080	24.05	.5052	.5070
#2	.1982	2.082	.5283	-.0001	.0041	1.899	.5077	24.02	.5066	.5085

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5131	.4841	1.899	24.20	23.83	.5057	.0010	25.64	.4815	.9642
Stddev	.0022	.0033	.010	.07	.01	.0003	.0001	.04	.0008	.0031
%RSD	.4298	.6717	.5315	.3018	.0524	.0645	7.276	.1547	.1643	.3202
#1	.5146	.4818	1.907	24.15	23.83	.5059	.0011	25.61	.4810	.9620
#2	.5115	.4864	1.892	24.26	23.82	.5054	.0010	25.67	.4821	.9664

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0020	-.0049	.5069	.5046	.0629	-.0011	.4753	.5002	.4991	.5235
Stddev	.0011	.0002	.0000	.0008	.0009	.0002	.0008	.0097	.0005	.0038
%RSD	55.12	3.325	.0091	.1534	1.505	21.74	.1651	1.947	.1011	.7274
#1	-.0012	-.0050	.5069	.5051	.0636	-.0013	.4759	.5071	.4988	.5262
#2	-.0027	-.0048	.5069	.5040	.0623	-.0009	.4748	.4933	.4995	.5208

Elem	W_2397	Zn2062	Zr3391
Avg	.0010	.4883	-.0016
Stddev	.0038	.0014	.0001
%RSD	389.5	.2780	4.823
#1	.0037	.4873	-.0016
#2	-.0017	.4892	-.0015

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1365.5	53519.	10518.
Stddev	5.5	16.	22.
%RSD	.40397	.02939	.20876
#1	1369.4	53508.	10502.
#2	1361.6	53530.	10533.

Zoom In Zoom Out

Sample Name: MP21459-MB1 Acquired: 8/7/2013 12:12:57 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	.0063	-.0001	.0006	.0009	.0000	.0001	.0037	.0001	-.0003
Stddev	.0003	.0058	.0002	.0003	.0002	.0001	.0000	.0006	.0000	.0002
%RSD	320.1	92.03	411.2	48.27	24.99	828.6	9.058	16.94	19.22	60.78
#1	.0003	.0104	-.0002	.0008	.0008	.0000	.0001	.0041	.0002	-.0004
#2	-.0001	.0022	.0001	.0004	.0011	.0001	.0001	.0032	.0001	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	.0016	-.0028	.0145	-.0667	.0007	.0005	.0229	-.0001	.0017
Stddev	.0001	.0000	.0014	.0087	.0006	.0001	.0002	.0048	.0001	.0001
%RSD	15.23	1.144	49.53	59.64	.8750	7.991	35.41	20.99	58.64	4.298
#1	-.0004	.0016	-.0038	.0084	-.0663	.0008	.0006	.0195	-.0001	.0016
#2	-.0003	.0016	-.0018	.0206	-.0671	.0007	.0003	.0263	-.0002	.0017

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0018	-.0015	.0010	.0007	.0517	.0001	-.0001	-.0005	-.0042	.0009
Stddev	.0001	.0002	.0004	.0007	.0000	.0008	.0000	.0006	.0007	.0000
%RSD	6.192	14.43	42.16	98.45	.0557	730.8	28.97	108.9	17.19	2.513
#1	-.0018	-.0014	.0007	.0012	.0518	-.0005	-.0002	-.0010	-.0037	.0009
#2	-.0019	-.0017	.0013	.0002	.0517	.0007	-.0001	-.0001	-.0047	.0009

Elem	W_2397	Zn2062	Zr3391
Avg	-.0052	.0005	.0002
Stddev	.0018	.0002	.0001
%RSD	34.73	42.74	43.17
#1	-.0065	.0004	.0002
#2	-.0039	.0007	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1376.0	53880.	10376.
Stddev	1.3	97.	37.
%RSD	.09131	.18025	.35828
#1	1375.1	53812.	10350.
#2	1376.8	53949.	10403.

Zoom In Zoom Out

Sample Name: MP21459-S1 Acquired: 8/7/2013 12:17:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1994	2.107	.5321	-.0006	.0411	1.949	.5046	61.64	.5087	.5115
Stddev	.0028	.011	.0003	.0026	.0001	.000	.0005	.00	.0009	.0012
%RSD	1.387	.4969	.0625	429.3	.1968	.0191	.0927	.0013	.1683	.2339
#1	.1974	2.100	.5319	-.0024	.0412	1.950	.5050	61.64	.5081	.5107
#2	.2013	2.115	.5323	.0012	.0411	1.949	.5043	61.64	.5093	.5124

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5068	.4883	8.633	31.46	27.44	.8617	.0009	127.6	.4818	.9698
Stddev	.0025	.0008	.014	.10	.12	.0018	.0000	.1	.0004	.0020
%RSD	.4911	.1645	.1568	.3296	.4340	.2135	3.020	.0727	.0758	.2071
#1	.5050	.4877	8.643	31.39	27.36	.8604	.0009	127.5	.4816	.9684
#2	.5085	.4889	8.624	31.54	27.52	.8630	.0009	127.6	.4821	.9713

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0033	.0033	.5081	.4996	7.050	-.0011	.6446	.4926	.5034	.5119
Stddev	.0017	.0018	.0007	.0007	.008	.0005	.0002	.0044	.0036	.0035
%RSD	51.48	55.12	.1322	.1324	.1155	47.57	.0343	.8938	.7058	.6868
#1	-.0021	.0046	.5086	.4991	7.045	-.0007	.6444	.4957	.5059	.5144
#2	-.0045	.0020	.5077	.5001	7.056	-.0014	.6448	.4895	.5009	.5094

Elem	W_2397	Zn2062	Zr3391
Avg	.0032	.4868	-.0026
Stddev	.0064	.0002	.0001
%RSD	199.8	.0486	2.637
#1	-.0013	.4870	-.0026
#2	.0077	.4866	-.0027

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1366.1	53818.	10380.
Stddev	.7	133.	19.
%RSD	.04907	.24629	.18425
#1	1365.6	53912.	10393.
#2	1366.6	53724.	10366.

Zoom In Zoom Out

Sample Name: MP21459-S2 Acquired: 8/7/2013 12:21:35 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2025	2.116	.5377	-.0001	.0413	1.952	.5057	61.63	.5141	.5166
Stddev	.0004	.020	.0010	.0005	.0008	.001	.0009	.12	.0005	.0006
%RSD	.2101	.9428	.1922	415.2	1.834	.0413	.1871	.1940	.0981	.1146
#1	.2022	2.130	.5370	.0002	.0407	1.951	.5050	61.54	.5144	.5162
#2	.2028	2.101	.5384	-.0004	.0418	1.952	.5064	61.71	.5137	.5170

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5156	.4928	8.654	31.44	27.54	.8703	.0008	127.6	.4855	.9765
Stddev	.0004	.0006	.004	.06	.10	.0033	.0001	.1	.0006	.0013
%RSD	.0755	.1265	.0486	.1756	.3537	.3791	6.899	.0491	.1332	.1333
#1	.5154	.4924	8.657	31.40	27.47	.8680	.0008	127.6	.4859	.9774
#2	.5159	.4932	8.652	31.48	27.61	.8726	.0008	127.7	.4850	.9756

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0041	-.0046	.5115	.5024	7.075	-.0009	.6444	.4939	.5064	.5288
Stddev	.0010	.0049	.0013	.0004	.006	.0008	.0014	.0019	.0017	.0004
%RSD	23.95	106.1	.2602	.0819	.0904	87.78	.2229	.3893	.3268	.0833
#1	-.0047	-.0012	.5124	.5021	7.070	-.0004	.6434	.4925	.5076	.5291
#2	-.0034	-.0081	.5106	.5027	7.079	-.0015	.6454	.4952	.5052	.5285

Elem	W_2397	Zn2062	Zr3391
Avg	-.0020	.4920	-.0030
Stddev	.0076	.0002	.0000
%RSD	375.5	.0308	1.030
#1	-.0074	.4921	-.0030
#2	.0033	.4919	-.0029

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1361.9	52962.	10394.
Stddev	3.8	442.	71.
%RSD	.28099	.83523	.68307
#1	1359.1	53274.	10444.
#2	1364.6	52649.	10344.

Zoom In Zoom Out

Sample Name: MC23198-1F Acquired: 8/7/2013 12:25:49 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0131	.0056	.0006	.0394	.0505	.0002	38.28	.0001	.0026
Stddev	.0003	.0002	.0014	.0005	.0001	.0002	.0001	.35	.0001	.0002
%RSD	117.6	1.521	25.52	78.47	.3700	.3429	36.77	.9253	193.7	5.801
#1	.0004	.0132	.0066	.0009	.0393	.0504	.0001	38.53	.0001	.0025
#2	.0000	.0129	.0046	.0003	.0395	.0506	.0002	38.03	.0000	.0027

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0014	6.939	7.310	3.840	.3736	.0007	102.8	.0021	.0017
Stddev	.0000	.0001	.038	.033	.004	.0002	.0001	1.0	.0000	.0006
%RSD	17.81	5.903	.5515	.4491	.1098	.0520	7.447	.9460	.0503	36.54
#1	-.0002	.0015	6.912	7.287	3.837	.3735	.0008	103.4	.0021	.0021
#2	-.0002	.0014	6.966	7.334	3.843	.3738	.0007	102.1	.0021	.0013

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0034	-.0004	.0015	.0012	7.139	.0000	.1670	-.0001	-.0049	.0007
Stddev	.0013	.0036	.0004	.0013	.010	.001	.0021	.0002	.0004	.0005
%RSD	38.56	832.1	29.17	112.1	.1435	4225.	1.267	129.3	8.583	68.57
#1	-.0044	.0021	.0012	.0002	7.146	-.0006	.1685	-.0003	-.0046	.0011
#2	-.0025	-.0030	.0018	.0021	7.132	.0006	.1655	.0000	-.0052	.0004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0044	.0026	-.0012
Stddev	.0046	.0000	.0004
%RSD	102.8	1.651	28.85
#1	-.0076	.0027	-.0010
#2	-.0012	.0026	-.0015

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1380.5	53818.	10571.
Stddev	3.2	241.	65.
%RSD	.23512	.44830	.61644
#1	1378.2	53989.	10525.
#2	1382.8	53648.	10618.

Zoom In Zoom Out

Sample Name: MP21459-SD1 Acquired: 8/7/2013 12:30:12 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0439	.0118	.0022	.0442	.0504	.0003	40.14	-.0012	.0031
Stddev	.0020	.0386	.0027	.0032	.0010	.0007	.0008	.10	.0004	.0010
%RSD	1236.	87.92	22.40	146.9	2.258	1.433	305.9	.2484	30.17	31.03
#1	-.0015	.0711	.0137	-.0001	.0435	.0509	.0008	40.21	-.0015	.0024
#2	.0012	.0166	.0100	.0045	.0449	.0499	-.0003	40.07	-.0010	.0038

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0030	.0051	7.023	7.673	3.874	.3950	.0021	106.6	.0014	.0015
Stddev	.0014	.0011	.003	.022	.220	.0023	.0001	.5	.0007	.0020
%RSD	45.82	21.89	.0448	.2879	5.684	.5738	4.728	.4350	46.79	134.4
#1	-.0020	.0043	7.025	7.657	4.030	.3934	.0022	106.9	.0010	.0001
#2	-.0039	.0059	7.020	7.688	3.719	.3966	.0021	106.2	.0019	.0028

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0134	-.0113	.0024	.0024	7.315	-.0018	.1709	-.0019	-.0097	.0035
Stddev	.0016	.0034	.0048	.0030	.009	.0019	.0000	.0019	.0061	.0027
%RSD	11.76	30.45	199.1	123.8	.1291	105.6	.0196	98.84	63.44	76.95
#1	-.0123	-.0137	.0058	.0003	7.322	-.0032	.1710	-.0033	-.0140	.0054
#2	-.0146	-.0089	-.0010	.0045	7.309	-.0005	.1709	-.0006	-.0053	.0016

Elem	W_2397	Zn2062	Zr3391
Avg	-.0309	.0025	-.0011
Stddev	.0203	.0002	.0014
%RSD	65.71	6.381	123.7
#1	-.0453	.0024	-.0021
#2	-.0166	.0026	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1381.8	53642.	10309.
Stddev	4.8	291.	170.
%RSD	.34570	.54208	1.6500
#1	1378.5	53848.	10189.
#2	1385.2	53437.	10429.

Zoom In Zoom Out

Sample Name: MP21459-B2 Acquired: 8/7/2013 12:34:33 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2010	2.098	.5364	-.0005	.0028	1.918	.5114	24.34	.5142	.5163
Stddev	.0001	.005	.0015	.0005	.0000	.012	.0021	.15	.0006	.0011
%RSD	.0701	.2192	.2717	92.49	.8791	.6031	.4178	.6269	.1209	.2065
#1	.2009	2.102	.5374	-.0002	.0028	1.927	.5129	24.45	.5146	.5171
#2	.2011	2.095	.5353	-.0009	.0028	1.910	.5099	24.23	.5138	.5156

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5198	.4920	1.914	24.58	24.10	.5098	.0007	25.82	.4867	.9799
Stddev	.0018	.0011	.020	.13	.23	.0015	.0003	.11	.0004	.0034
%RSD	.3373	.2137	1.055	.5141	.9445	.2874	43.12	.4353	.0789	.3441
#1	.5210	.4928	1.928	24.67	24.26	.5109	.0005	25.90	.4869	.9823
#2	.5185	.4913	1.900	24.50	23.94	.5088	.0009	25.74	.4864	.9775

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0024	-.0019	.5128	.5127	.0579	-.0006	.4816	.4984	.5084	.5240
Stddev	.0007	.0059	.0014	.0025	.0000	.0001	.0027	.0017	.0040	.0076
%RSD	31.02	314.9	.2725	.4786	.0506	10.98	.5530	.3384	.7850	1.450
#1	-.0029	-.0060	.5138	.5145	.0578	-.0005	.4835	.4996	.5112	.5294
#2	-.0018	.0023	.5118	.5110	.0579	-.0006	.4797	.4972	.5056	.5187

Elem	W_2397	Zn2062	Zr3391
Avg	-.0006	.4956	-.0017
Stddev	.0034	.0006	.0002
%RSD	593.2	.1221	10.02
#1	.0019	.4960	-.0019
#2	-.0030	.4952	-.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1367.7	53687.	10428.
Stddev	1.8	258.	41.
%RSD	.13509	.48049	.39240
#1	1366.4	53504.	10399.
#2	1369.0	53869.	10457.

Zoom In Zoom Out

Sample Name: MP21459-MB2 Acquired: 8/7/2013 12:38:47 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	.0142	.0014	.0004	.0011	.0000	.0000	.0097	-.0001	-.0001
Stddev	.0002	.0009	.0005	.0012	.0000	.0001	.000	.0001	.0000	.0001
%RSD	45.42	6.360	39.83	307.9	.5202	209.3	58.95	.8983	63.70	97.63
#1	-.0003	.0148	.0010	.0012	.0011	.0001	.0000	.0096	.0000	.0000
#2	-.0006	.0135	.0018	-.0005	.0011	.0000	-.0001	.0097	-.0001	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0007	.0018	.0021	.0664	-.0320	.0001	.0004	.0430	-.0001	.0005
Stddev	.0001	.0005	.0005	.0272	.0161	.0001	.0001	.0028	.0001	.0005
%RSD	8.049	26.33	22.23	40.97	50.41	88.63	37.20	6.481	71.95	110.0
#1	-.0007	.0021	.0025	.0471	-.0434	.0002	.0003	.0450	-.0001	.0008
#2	-.0007	.0014	.0018	.0856	-.0206	.0000	.0005	.0410	.0000	.0001

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0035	-.0060	.0005	.0012	.0516	.0005	-.0002	-.0004	-.0036	.0011
Stddev	.0011	.0020	.0003	.0010	.0004	.0002	.0000	.0003	.0006	.0002
%RSD	32.53	33.13	55.05	84.90	.8521	37.17	27.58	70.14	16.37	19.24
#1	-.0043	-.0074	.0007	.0020	.0520	.0006	-.0001	-.0006	-.0041	.0010
#2	-.0027	-.0046	.0003	.0005	.0513	.0003	-.0002	-.0002	-.0032	.0013

Elem	W_2397	Zn2062	Zr3391
Avg	-.0030	.0002	.0001
Stddev	.0031	.0002	.0000
%RSD	102.9	106.4	9.868
#1	-.0008	.0000	.0001
#2	-.0052	.0003	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1377.4	53865.	10516.
Stddev	3.9	378.	87.
%RSD	.28033	.70159	.82437
#1	1374.7	54132.	10455.
#2	1380.1	53598.	10577.

Zoom In Zoom Out

Sample Name: MC23185-2F Acquired: 8/7/2013 12:43:12 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	.0213	.0015	-.0033	.0824	.0543	.0000	50.94	.0006	.0042
Stddev	.0003	.0043	.0002	.0001	.0001	.0008	.000	.55	.0000	.0003
%RSD	62.06	20.22	12.35	1.808	.1083	1.385	694.3	1.079	8.395	6.639
#1	-.0002	.0183	.0013	-.0033	.0824	.0548	.0000	51.32	.0006	.0044
#2	-.0006	.0243	.0016	-.0033	.0825	.0538	.0000	50.55	.0006	.0040

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	.0020	.3928	2.905	4.686	2.393	.0010	48.65	.0028	-.0003
Stddev	.0002	.0002	.0006	.018	.016	.001	.0000	.51	.0004	.0000
%RSD	223.3	9.965	.1488	.6233	.3375	.0253	5.042	1.050	14.44	2.498
#1	.0001	.0021	.3924	2.918	4.675	2.394	.0010	49.01	.0026	-.0003
#2	-.0002	.0019	.3932	2.892	4.697	2.393	.0010	48.29	.0031	-.0003

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0043	.0067	.0015	.0018	6.062	-.0003	.1446	.0001	-.0041	.0005
Stddev	.0018	.0027	.0005	.0001	.002	.0002	.0021	.0001	.0008	.0009
%RSD	41.56	41.01	30.77	4.015	.0297	71.02	1.430	125.3	18.50	191.7
#1	-.0056	.0047	.0012	.0019	6.060	-.0005	.1461	.0000	-.0035	-.0002
#2	-.0030	.0086	.0018	.0018	6.063	-.0002	.1431	.0001	-.0046	.0011

Elem	W_2397	Zn2062	Zr3391
Avg	-.0085	.0104	-.0009
Stddev	.0026	.0001	.0006
%RSD	31.23	.9642	72.72
#1	-.0066	.0104	-.0004
#2	-.0103	.0105	-.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1375.6	53878.	10628.
Stddev	2.3	185.	91.
%RSD	.16982	.34373	.85517
#1	1374.0	53747.	10564.
#2	1377.3	54009.	10692.

Zoom In Zoom Out

Sample Name: MC23190-4F Acquired: 8/7/2013 12:47:33 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0323	.0011	-.0012	.0750	.0608	.0002	22.52	.0000	.0003
Stddev	.0000	.0047	.0033	.0002	.0005	.0018	.0000	.56	.000	.0002
%RSD	.3923	14.67	307.5	19.70	.6253	2.892	5.894	2.508	39.36	51.63
#1	-.0002	.0356	-.0012	-.0010	.0754	.0620	.0002	22.92	.0000	.0002
#2	-.0002	.0289	.0034	-.0014	.0747	.0595	.0002	22.13	-.0001	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0022	10.81	6.153	4.312	1.407	.0002	64.46	.0028	.0002
Stddev	.0004	.0006	.26	.126	.064	.047	.0002	1.60	.0002	.0006
%RSD	158.2	28.72	2.396	2.043	1.488	3.321	127.4	2.481	6.443	311.4
#1	.0000	.0017	10.99	6.242	4.357	1.374	.0003	65.59	.0026	.0006
#2	.0005	.0026	10.62	6.064	4.266	1.440	.0000	63.32	.0029	-.0002

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0018	.0013	.0020	.0016	7.418	-.0001	.1133	.0003	-.0039	.0011
Stddev	.0002	.0044	.0004	.0011	.011	.0001	.0010	.0000	.0010	.0005
%RSD	13.18	342.4	18.99	67.56	.1477	245.5	.8946	5.033	24.55	44.05
#1	-.0016	-.0018	.0017	.0009	7.410	.0000	.1141	.0003	-.0046	.0008
#2	-.0019	.0044	.0022	.0024	7.425	-.0001	.1126	.0003	-.0032	.0014

Elem	W_2397	Zn2062	Zr3391
Avg	.0043	.0131	-.0013
Stddev	.0041	.0001	.0005
%RSD	94.54	1.116	36.49
#1	.0014	.0132	-.0016
#2	.0072	.0130	-.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1375.2	56547.	10518.
Stddev	2.5	1449.	114.
%RSD	.18018	2.5629	1.0854
#1	1377.0	57571.	10437.
#2	1373.5	55522.	10598.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 12:51:53 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2466	10.19	1.986	-.0036	2.016	1.873	1.945	9.823	1.987	2.069
Stddev	.0001	.00	.002	.0000	.003	.003	.003	.061	.002	.002
%RSD	.0584	.0046	.0873	1.348	.1534	.1698	.1550	.6253	.1215	.1156
#1	.2467	10.19	1.987	-.0036	2.014	1.876	1.948	9.866	1.985	2.067
#2	.2465	10.19	1.985	-.0036	2.018	1.871	1.943	9.779	1.989	2.070

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.958	1.984	9.508	9.671	9.453	2.043	1.991	10.19	1.946	1.934
Stddev	.004	.001	.016	.016	.015	.003	.004	.00	.001	.003
%RSD	.2094	.0674	.1666	.1664	.1565	.1673	.1891	.0422	.0410	.1415
#1	1.960	1.985	9.519	9.659	9.463	2.046	1.988	10.20	1.945	1.932
#2	1.955	1.983	9.497	9.682	9.442	2.041	1.994	10.19	1.946	1.936

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0030	.0010	2.000	2.004	.1609	2.023	1.958	1.998	1.999	2.009
Stddev	.0015	.0060	.001	.002	.0031	.004	.002	.002	.002	.001
%RSD	50.82	626.8	.0296	.0951	1.921	.1896	.0951	.0915	.0964	.0445
#1	-.0041	-.0033	1.999	2.002	.1631	2.020	1.959	1.999	1.998	2.010
#2	-.0019	.0052	2.000	2.005	.1588	2.026	1.957	1.997	2.001	2.009

Elem	W_2397	Zn2062	Zr3391
Avg	.0071	1.902	-.0051
Stddev	.0034	.001	.0003
%RSD	48.17	.0620	6.635
#1	.0095	1.901	-.0048
#2	.0047	1.903	-.0053

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1372.2	53955.	10511.
Stddev	2.6	313.	53.
%RSD	.18726	.57928	.50213
#1	1374.0	53734.	10473.
#2	1370.4	54176.	10548.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 12:56:07 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0094	.0015	.0027	.0026	-.0002	.0001	.0002	.0000	.0002
Stddev	.0009	.0053	.0014	.0008	.0001	.0001	.0001	.0002	.000	.0001
%RSD	414.5	56.31	98.46	27.96	3.874	46.45	56.99	73.10	2536.	50.08
#1	.0008	.0056	.0004	.0032	.0026	-.0001	.0002	.0004	.0001	.0003
#2	-.0004	.0131	.0025	.0022	.0027	-.0002	.0001	.0001	-.0001	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0004	.0017	-.0021	.0259	-.0345	.0000	.0027	.0303	.0002	.0015
Stddev	.0001	.0000	.0022	.0049	.0261	.0000	.0006	.0129	.0000	.0000
%RSD	16.81	1.661	102.0	18.84	75.55	121.2	21.38	42.76	16.05	.2809
#1	-.0005	.0017	-.0006	.0224	-.0530	.0000	.0032	.0211	.0002	.0015
#2	-.0004	.0016	-.0036	.0293	-.0161	.0000	.0023	.0394	.0002	.0015

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0023	-.0046	.0009	.0011	.0140	.0007	.0000	-.0007	-.0002	.0008
Stddev	.0013	.0004	.0002	.0013	.0009	.0004	.000	.0002	.0014	.0004
%RSD	55.68	8.147	20.70	114.7	6.598	56.44	608.8	25.51	689.3	46.76
#1	-.0014	-.0049	.0011	.0021	.0147	.0004	-.0001	-.0008	.0008	.0011
#2	-.0033	-.0043	.0008	.0002	.0134	.0010	.0001	-.0005	-.0012	.0006

Elem	W_2397	Zn2062	Zr3391
Avg	-.0004	.0001	-.0001
Stddev	.0002	.0001	.0003
%RSD	62.98	173.9	228.0
#1	-.0005	.0000	.0001
#2	-.0002	.0001	-.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1381.3	53283.	10373.
Stddev	1.3	631.	113.
%RSD	.09326	1.1841	1.0876
#1	1380.4	52837.	10453.
#2	1382.2	53729.	10294.

Zoom In Zoom Out

Sample Name: MC23224-1 Acquired: 8/7/2013 13:00:31 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0003	.8845	.0320	-.0021	.2222	.1668	.0001	212.8	.0005
Stddev	.0000	.0150	.0008	.0019	.0015	.0002	.0001	.2	.0000
%RSD	7.170	1.693	2.625	87.21	.6562	.1463	150.0	.0769	2.172
#1	.0003	.8951	.0326	-.0008	.2232	.1666	.0002	212.7	.0005
#2	.0003	.8739	.0314	-.0035	.2211	.1670	.0000	212.9	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0005	.0017	.0047	11.80	6.365	51.50	.4512	.0170	F753.1
Stddev	.0002	.0001	.0000	.02	.006	.15	.0001	.0002	.9
%RSD	37.17	8.903	.5288	.1404	.1005	.2988	.0167	1.429	.1199
#1	.0003	.0016	.0047	11.79	6.369	51.39	.4513	.0168	752.4
#2	.0006	.0018	.0047	11.81	6.360	51.61	.4512	.0171	753.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0022	.0014	-.0129	-.0099	.0018	.0021	14.05	.0003	2.899
Stddev	.0004	.0011	.0008	.0043	.0006	.0006	.03	.0000	.002
%RSD	20.08	78.10	6.396	43.16	31.96	27.20	.2294	1.486	.0797
#1	.0019	.0006	-.0135	-.0069	.0022	.0017	14.07	.0003	2.897
#2	.0025	.0022	-.0123	-.0130	.0014	.0025	14.02	.0003	2.901

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0334	-.0042	.0043	-.0063	.0103	-.0010
Stddev	.0009	.0018	.0001	.0060	.0000	.0002
%RSD	2.803	43.63	3.355	96.26	.4195	21.38
#1	.0327	-.0029	.0042	-.0105	.0103	-.0012
#2	.0340	-.0055	.0044	-.0020	.0102	-.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1342.1	52372.	10252.
Stddev	2.8	.	30.
%RSD	.21006	.00031	.28958
#1	1340.1	52372.	10273.
#2	1344.1	52372.	10231.

Zoom In Zoom Out

Sample Name: MC23224-2 Acquired: 8/7/2013 13:04:55 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	69.06	.0607	-.0022	.1065	.4696	.0036	411.0	.0036	.0558
Stddev	.0001	.60	.0026	.0016	.0004	.0050	.0001	.3	.0001	.0005
%RSD	20.00	.8717	4.295	73.32	.4096	1.065	3.307	.0741	2.571	.9736
#1	-.0004	69.48	.0625	-.0010	.1062	.4732	.0035	411.2	.0037	.0562
#2	-.0006	68.63	.0588	-.0033	.1068	.4661	.0037	410.8	.0036	.0554

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1675	.1357	123.7	14.90	44.09	2.995	.0269	262.2	.1454	.0946
Stddev	.0018	.0015	1.3	.02	.03	.003	.0001	5.3	.0002	.0010
%RSD	1.100	1.104	1.034	.1299	.0664	.0925	.2149	2.023	.1369	1.064
#1	.1688	.1367	124.6	14.89	44.12	2.997	.0270	265.9	.1453	.0954
#2	.1662	.1346	122.8	14.92	44.07	2.993	.0269	258.4	.1456	.0939

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0292	-.0031	.0018	.0004	88.09	.0039	.5947	.7765	-.0014	.1838
Stddev	.0001	.0008	.0001	.0003	.05	.0001	.0065	.0018	.0018	.0015
%RSD	.4852	26.75	3.539	72.76	.0570	1.708	1.096	.2377	128.2	.8029
#1	-.0291	-.0025	.0017	.0007	88.05	.0038	.5994	.7778	-.0001	.1828
#2	-.0293	-.0037	.0018	.0002	88.13	.0039	.5901	.7752	-.0027	.1849

Elem	W_2397	Zn2062	Zr3391
Avg	-.0102	.4308	-.0012
Stddev	.0066	.0002	.0003
%RSD	64.37	.0457	22.22
#1	-.0149	.4309	-.0014
#2	-.0056	.4306	-.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1365.6	54079.	10985.
Stddev	1.3	54.	39.
%RSD	.09229	.09913	.35165
#1	1366.5	54117.	10957.
#2	1364.7	54041.	11012.

Zoom In Zoom Out

Sample Name: MC23257-5 Acquired: 8/7/2013 13:09:23 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0452	.0031	-.0163	.4010	.1092	.0000	185.2	.0004	.0004
Stddev	.0002	.0056	.0012	.0006	.0005	.0013	.000	2.9	.0001	.0000
%RSD	110.0	12.44	37.42	3.588	.1210	1.196	30.90	1.565	18.36	5.664
#1	.0000	.0412	.0040	-.0167	.4014	.1101	.0000	187.2	.0003	.0004
#2	.0004	.0491	.0023	-.0158	.4007	.1082	.0000	183.1	.0004	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0010	.0044	15.65	23.84	52.81	.1444	.0006	261.2	.0023	-.0018
Stddev	.0001	.0002	.29	.33	.20	.0001	.0001	.5	.0006	.0014
%RSD	13.65	4.168	1.859	1.383	.3785	.0383	17.40	.2074	24.68	79.07
#1	.0011	.0046	15.85	24.07	52.96	.1444	.0007	261.5	.0019	-.0028
#2	.0009	.0043	15.44	23.61	52.67	.1445	.0006	260.8	.0026	-.0008

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0130	-.0032	.0023	.0025	9.642	-.0005	17.82	.0046	-.0036	.0040
Stddev	.0002	.0056	.0009	.0005	.016	.0000	.29	.0001	.0005	.0000
%RSD	1.739	175.4	36.78	20.72	.1643	8.980	1.652	1.297	14.21	.3174
#1	-.0131	-.0072	.0017	.0029	9.653	-.0004	18.03	.0047	-.0032	.0040
#2	-.0128	.0008	.0029	.0022	9.631	-.0005	17.61	.0046	-.0040	.0040

Elem	W_2397	Zn2062	Zr3391
Avg	-.0105	.0108	-.0013
Stddev	.0004	.0001	.0001
%RSD	4.005	1.295	5.978
#1	-.0108	.0107	-.0013
#2	-.0102	.0109	-.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1336.0	52728.	10291.
Stddev	.1	151.	9.
%RSD	.00563	.28645	.08798
#1	1336.0	52835.	10285.
#2	1336.1	52622.	10297.

Zoom In Zoom Out

Sample Name: MC23257-5F Acquired: 8/7/2013 13:13:56 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0001	.0210	.0024	-.0160	.4025	.1105	.0000	187.3	.0000
Stddev	.0005	.0053	.0008	.0012	.0012	.0002	.0002	2.1	.0001
%RSD	591.3	25.10	32.64	7.791	.3081	.1703	3532.	1.102	578.7
#1	.0003	.0247	.0030	-.0169	.4034	.1106	-.0001	188.8	.0001
#2	-.0005	.0173	.0019	-.0151	.4017	.1103	.0002	185.9	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0005	.0006	.0020	15.95	24.07	52.95	.1426	.0003	265.0
Stddev	.0001	.0002	.0003	.16	.27	.19	.0004	.0000	1.2
%RSD	12.19	37.37	14.57	1.009	1.119	.3631	.2483	17.10	.4499
#1	.0004	.0004	.0018	16.07	24.26	53.09	.1424	.0003	265.8
#2	.0005	.0007	.0022	15.84	23.88	52.81	.1429	.0002	264.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0020	-.0031	-.0106	-.0070	.0021	.0022	9.558	-.0001	F18.14
Stddev	.0000	.0007	.0018	.0082	.0002	.0008	.013	.0013	.39
%RSD	2.239	22.07	16.97	117.4	9.680	34.56	.1326	892.4	2.127
#1	.0020	-.0026	-.0119	-.0012	.0022	.0027	9.567	.0008	18.41
#2	.0020	-.0036	-.0093	-.0128	.0019	.0016	9.549	-.0010	17.86

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0027	-.0024	.0030	-.0050	.0058	-.0016
Stddev	.0001	.0015	.0000	.0010	.0000	.0005
%RSD	3.573	64.17	1.358	20.51	.7105	29.82
#1	.0028	-.0035	.0030	-.0057	.0057	-.0020
#2	.0026	-.0013	.0031	-.0043	.0058	-.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1338.2	52817.	10193.
Stddev	3.8	50.	167.
%RSD	.28177	.09404	1.6344
#1	1335.5	52782.	10075.
#2	1340.8	52853.	10311.

Zoom In Zoom Out

Sample Name: MC23257-8 Acquired: 8/7/2013 13:18:28 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0002	.0078	.0137	-.0055	.7223	.4566	.0000	100.4
Stddev	.0002	.0075	.0009	.0007	.0009	.0001	.0000	.0
%RSD	80.09	95.21	6.651	13.27	.1292	.0248	18.19	.0163
#1	-.0001	.0026	.0131	-.0050	.7229	.4565	.0000	100.4
#2	-.0003	.0131	.0144	-.0061	.7216	.4566	.0000	100.4

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0003	.0002	.0002	.0018	1.985	4.042	20.19	2.553
Stddev	.0000	.0001	.0002	.0000	.004	.052	.05	.002
%RSD	7.953	77.86	144.0	2.418	.2058	1.281	.2234	.0789
#1	.0004	.0003	.0000	.0017	1.988	4.079	20.22	2.554
#2	.0003	.0001	.0003	.0018	1.982	4.006	20.15	2.552

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0043	317.2	.0003	-.0021	-.0065	.0080	.0020	.0012
Stddev	.0001	.9	.0003	.0015	.0008	.0001	.0001	.0010
%RSD	1.728	.2746	103.6	71.23	12.32	1.088	5.942	81.66
#1	.0044	316.6	.0005	-.0011	-.0070	.0081	.0019	.0019
#2	.0043	317.8	.0001	-.0032	-.0059	.0080	.0020	.0005

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	10.68	-.0005	2.291	.0007	F-.0054	.0015	-.0083	.0061
Stddev	.01	.0001	.002	.0004	.0007	.0002	.0010	.0000
%RSD	.0665	16.45	.0797	50.44	13.84	13.98	12.28	.3803
#1	10.68	-.0004	2.293	.0010	-.0049	.0013	-.0090	.0061
#2	10.67	-.0006	2.290	.0005	-.0059	.0016	-.0076	.0061

Elem	Zr3391
Avg	-.0022
Stddev	.0001
%RSD	4.190
#1	-.0023
#2	-.0021

Zoom In Zoom Out

Sample Name: MC23257-8 Acquired: 8/7/2013 13:18:28 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1357.1	52986.	10552.
Stddev	.8	241.	1.
%RSD	.06226	.45549	.01304
#1	1357.7	52816.	10553.
#2	1356.5	53157.	10551.

Zoom In Zoom Out

Sample Name: MC23257-8F Acquired: 8/7/2013 13:22:55 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	.0120	.0139	-.0053	.7379	.4512	.0000	100.5	.0003	.0006
Stddev	.0002	.0021	.0001	.0015	.0012	.0028	.0000	.4	.0003	.0000
%RSD	51.14	17.67	.7950	28.06	.1656	.6285	49.66	.4451	100.3	.0590
#1	-.0005	.0135	.0139	-.0063	.7388	.4492	.0000	100.2	.0001	.0006
#2	-.0002	.0105	.0140	-.0042	.7371	.4532	.0000	100.8	.0004	.0006

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0019	1.860	4.053	20.98	2.478	.0041	308.6	.0005	-.0016
Stddev	.0001	.0002	.004	.000	.01	.002	.0002	.6	.0000	.0000
%RSD	40.25	8.892	.1866	.0011	.0367	.0749	4.895	.1955	6.306	.5650
#1	-.0003	.0018	1.857	4.053	20.99	2.477	.0039	309.1	.0005	-.0016
#2	-.0002	.0021	1.862	4.053	20.97	2.480	.0042	308.2	.0005	-.0016

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0073	.0061	.0022	.0009	10.83	-.0005	2.394	.0015	-.0037	.0011
Stddev	.0003	.0038	.0009	.0007	.01	.0005	.011	.0006	.0003	.0003
%RSD	3.736	61.24	40.94	75.82	.0459	110.1	.4622	40.76	7.651	31.01
#1	-.0071	.0088	.0028	.0004	10.83	-.0008	2.386	.0019	-.0035	.0008
#2	-.0075	.0035	.0015	.0014	10.83	-.0001	2.402	.0011	-.0039	.0013

Elem	W_2397	Zn2062	Zr3391
Avg	-.0072	.0053	-.0022
Stddev	.0021	.0001	.0005
%RSD	29.67	2.762	21.35
#1	-.0087	.0052	-.0025
#2	-.0057	.0054	-.0019

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1360.6	53241.	10569.
Stddev	3.4	47.	36.
%RSD	.25091	.08802	.34257
#1	1363.0	53208.	10595.
#2	1358.2	53274.	10543.

Zoom In Zoom Out

Sample Name: MC23257-9 Acquired: 8/7/2013 13:27:22 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	.0145	.0019	.0005	.2605	.1982	.0000	48.26	.0001	-.0005
Stddev	.000	.0153	.0006	.0006	.0003	.0023	.0000	.74	.0001	.0001
%RSD	701.7	105.6	29.69	116.7	.1215	1.175	53.70	1.538	144.1	11.06
#1	-.0003	.0253	.0015	.0009	.2607	.1999	.0000	48.79	.0002	-.0006
#2	.0002	.0037	.0024	.0001	.2603	.1966	.0001	47.74	.0000	-.0005

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0029	.0475	2.055	13.96	.0303	.0005	282.0	.0001	-.0017
Stddev	.0001	.0000	.0005	.017	.08	.0005	.0002	5.5	.0001	.0013
%RSD	39.94	1.177	1.130	.8081	.6082	1.704	32.30	1.942	45.44	78.78
#1	.0002	.0029	.0479	2.067	14.02	.0307	.0004	285.9	.0002	-.0007
#2	.0003	.0028	.0471	2.043	13.90	.0299	.0006	278.1	.0001	-.0026

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0061	-.0039	.0020	.0019	7.780	-.0010	.3792	.0002	-.0045	.0029
Stddev	.0003	.0055	.0001	.0014	.001	.0001	.0046	.0002	.0004	.0003
%RSD	4.440	142.4	4.341	74.21	.0146	13.72	1.221	69.53	8.407	9.896
#1	-.0063	-.0078	.0021	.0009	7.779	-.0009	.3825	.0001	-.0047	.0027
#2	-.0059	.0000	.0020	.0029	7.781	-.0011	.3759	.0004	-.0042	.0031

Elem	W_2397	Zn2062	Zr3391
Avg	-.0073	.0075	-.0013
Stddev	.0010	.0000	.0001
%RSD	13.14	.2997	5.065
#1	-.0067	.0075	-.0013
#2	-.0080	.0075	-.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1362.9	52889.	10329.
Stddev	3.4	350.	170.
%RSD	.24994	.66262	1.6464
#1	1365.3	52641.	10209.
#2	1360.5	53137.	10449.

Zoom In Zoom Out

Sample Name: MC23257-9F Acquired: 8/7/2013 13:31:49 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	.0058	.0008	.0017	.2570	.1946	.0000	47.20	.0002	.0002
Stddev	.0002	.0078	.0006	.0014	.0013	.0013	.000	.04	.0001	.0001
%RSD	28.77	135.1	81.78	82.95	.4986	.6895	279.1	.0850	82.92	47.51
#1	-.0005	.0113	.0012	.0007	.2579	.1936	.0000	47.17	.0001	.0003
#2	-.0008	.0003	.0003	.0028	.2561	.1955	.0000	47.23	.0003	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0001	.0030	.0102	2.047	13.74	.0175	.0005	277.0	.0001	-.0018
Stddev	.0001	.0002	.0033	.045	.15	.0002	.0002	3.7	.0002	.0010
%RSD	81.71	5.645	32.22	2.206	1.098	1.032	34.47	1.334	197.2	57.54
#1	.0002	.0029	.0079	2.015	13.63	.0174	.0004	274.4	.0002	-.0025
#2	.0001	.0031	.0125	2.078	13.84	.0176	.0007	279.6	.0000	-.0011

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0050	.0002	.0008	.0015	7.815	-.0003	.3744	-.0001	-.0041	.0023
Stddev	.0009	.0031	.0002	.0004	.007	.0004	.0006	.0002	.0022	.0007
%RSD	18.63	2066.	29.76	23.96	.0928	146.1	.1595	270.1	53.36	28.93
#1	-.0057	-.0021	.0010	.0017	7.820	.0000	.3740	.0001	-.0056	.0027
#2	-.0044	.0024	.0007	.0012	7.810	-.0006	.3748	-.0002	-.0025	.0018

Elem	W_2397	Zn2062	Zr3391
Avg	-.0064	.0073	-.0013
Stddev	.0066	.0001	.0004
%RSD	103.0	1.336	28.78
#1	-.0017	.0074	-.0016
#2	-.0111	.0072	-.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1364.0	53244.	10481.
Stddev	2.8	170.	52.
%RSD	.20311	.31992	.49788
#1	1362.1	53124.	10518.
#2	1366.0	53365.	10444.

Zoom In Zoom Out

Sample Name: MP21454-S1 Acquired: 8/7/2013 13:36:14 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1782	227.2	.7572	-.0219	.9325	4.096	.4554	180.7	.4841	.7522
Stddev	.0011	.4	.0036	.0024	.0008	.017	.0020	.1	.0003	.0013
%RSD	.6115	.1974	.4748	11.16	.0901	.4213	.4346	.0583	.0693	.1712
#1	.1775	227.5	.7598	-.0202	.9319	4.108	.4568	180.6	.4839	.7531
#2	.1790	226.9	.7547	-.0236	.9331	4.083	.4540	180.8	.4844	.7513

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.7774	.9835	546.0	36.74	124.3	16.00	.0416	49.37	.9363	1.445
Stddev	.0016	.0001	9.3	.11	.8	.19	.0004	.09	.0010	.002
%RSD	.2057	.0097	1.696	.3104	.6536	1.158	1.016	.1834	.1034	.1078
#1	.7762	.9835	539.4	36.82	123.7	16.13	.0413	49.43	.9356	1.444
#2	.7785	.9836	552.5	36.66	124.9	15.87	.0419	49.30	.9370	1.446

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0295	.0389	.0497	.3723	97.94	.0148	.9009	.9254	.4569	.9160
Stddev	.0041	.0108	.0014	.0022	.24	.0003	.0057	.0057	.0053	.0018
%RSD	13.87	27.66	2.858	.5800	.2423	1.768	.6345	.6148	1.170	.2010
#1	-.0324	.0465	.0487	.3708	97.78	.0149	.9050	.9214	.4531	.9147
#2	-.0266	.0313	.0507	.3738	98.11	.0146	.8969	.9295	.4607	.9173

Elem	W_2397	Zn2062	Zr3391
Avg	-.0043	2.159	.0247
Stddev	.0037	.002	.0006
%RSD	85.77	.1091	2.568
#1	-.0069	2.160	.0252
#2	-.0017	2.157	.0243

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1523.4	61502.	11940.
Stddev	.4	112.	121.
%RSD	.02728	.18257	1.0115
#1	1523.1	61581.	12025.
#2	1523.7	61423.	11855.

Zoom In Zoom Out

Sample Name: MP21454-S2 Acquired: 8/7/2013 13:40:38 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1773	238.6	.7665	-.0207	.9270	4.109	.4515	181.0	.4816	.7603
Stddev	.0010	.5	.0012	.0013	.0028	.010	.0019	.4	.0005	.0025
%RSD	.5533	.2171	.1552	6.126	.3026	.2349	.4300	.2127	.1099	.3225
#1	.1766	239.0	.7657	-.0198	.9250	4.116	.4529	181.3	.4812	.7586
#2	.1780	238.2	.7674	-.0216	.9290	4.102	.4501	180.7	.4820	.7620

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.7933	1.003	566.7	37.41	126.6	16.27	.0428	48.94	.9603	1.460
Stddev	.0061	.005	2.7	.04	.1	.04	.0006	.06	.0018	.004
%RSD	.7678	.4547	.4846	.1030	.0872	.2341	1.366	.1271	.1874	.2604
#1	.7890	.9999	564.8	37.43	126.6	16.24	.0432	48.99	.9590	1.458
#2	.7976	1.006	568.7	37.38	126.5	16.30	.0424	48.90	.9615	1.463

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0319	.0357	.0449	.3743	106.8	.0156	.9025	.9452	.4500	.9039
Stddev	.0010	.0145	.0018	.0027	.3	.0003	.0030	.0071	.0035	.0009
%RSD	3.258	40.65	4.006	.7327	.2916	2.197	.3350	.7549	.7864	.1017
#1	-.0326	.0459	.0462	.3762	106.6	.0154	.9046	.9402	.4475	.9033
#2	-.0312	.0254	.0436	.3724	107.0	.0159	.9004	.9502	.4525	.9046

Elem	W_2397	Zn2062	Zr3391
Avg	-.0141	2.244	.0250
Stddev	.0013	.007	.0007
%RSD	9.405	.3218	2.918
#1	-.0150	2.239	.0245
#2	-.0132	2.249	.0255

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1539.2	61854.	11990.
Stddev	2.5	227.	87.
%RSD	.16019	.36766	.72277
#1	1540.9	62015.	11929.
#2	1537.4	61693.	12051.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 13:45:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2487	10.16	2.010	-.0027	2.047	1.882	1.930	9.850	2.022	2.092
Stddev	.0001	.17	.003	.0000	.001	.030	.035	.150	.002	.002
%RSD	.0450	1.662	.1536	1.639	.0336	1.605	1.812	1.522	.1049	.0763
#1	.2486	10.28	2.013	-.0027	2.047	1.903	1.954	9.956	2.024	2.093
#2	.2488	10.04	2.008	-.0027	2.046	1.861	1.905	9.744	2.021	2.091

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.961	2.003	9.560	9.732	9.324	2.016	2.010	10.21	1.949	1.950
Stddev	.004	.003	.138	.106	.006	.002	.001	.19	.000	.001
%RSD	.1859	.1569	1.447	1.089	.0637	.1006	.0517	1.865	.0057	.0301
#1	1.959	2.005	9.658	9.807	9.328	2.015	2.010	10.35	1.949	1.950
#2	1.964	2.000	9.462	9.657	9.319	2.018	2.011	10.08	1.948	1.949

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0011	-.0004	2.019	2.016	.3350	2.022	1.987	1.991	2.022	2.012
Stddev	.0001	.0043	.000	.002	.0285	.001	.027	.003	.002	.001
%RSD	12.49	1222.	.0111	.0832	8.512	.0449	1.368	.1574	.1175	.0585
#1	-.0012	-.0034	2.019	2.018	.3552	2.022	2.006	1.989	2.020	2.011
#2	-.0010	.0027	2.019	2.015	.3148	2.021	1.968	1.993	2.024	2.013

Elem	W_2397	Zn2062	Zr3391
Avg	.0004	1.926	-.0049
Stddev	.0035	.002	.0001
%RSD	795.3	.1047	2.569
#1	-.0020	1.927	-.0048
#2	.0029	1.925	-.0050

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1359.2	53940.	10457.
Stddev	1.1	309.	212.
%RSD	.07908	.57319	2.0319
#1	1358.4	54159.	10307.
#2	1360.0	53721.	10607.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 13:49:13 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	.0095	.0019	.0025	.0033	.0001	.0001	.0010	.0001	.0001
Stddev	.0001	.0002	.0012	.0004	.0005	.0002	.0000	.0002	.0001	.0000
%RSD	984.3	2.216	61.24	14.98	14.08	273.3	17.47	24.09	77.18	19.32
#1	.0001	.0094	.0028	.0028	.0037	.0002	.0001	.0008	.0002	.0001
#2	-.0001	.0097	.0011	.0023	.0030	-.0001	.0002	.0012	.0001	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0012	.0038	.0466	-.0236	.0002	.0025	.0783	.0003	.0014
Stddev	.0002	.0001	.0005	.0219	.0217	.0001	.0007	.0094	.0001	.0004
%RSD	97.97	6.295	12.58	47.04	92.01	50.38	28.74	12.04	39.64	32.43
#1	-.0004	.0013	.0042	.0621	-.0389	.0001	.0031	.0716	.0004	.0017
#2	-.0001	.0012	.0035	.0311	-.0082	.0002	.0020	.0849	.0002	.0010

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0015	-.0009	.0012	.0011	.0628	.0001	-.0001	-.0004	-.0008	.0009
Stddev	.0000	.0021	.0002	.0003	.0069	.0003	.0001	.0000	.0005	.0002
%RSD	1.517	236.6	18.14	26.45	10.95	419.8	202.0	3.391	61.21	25.17
#1	-.0015	.0006	.0014	.0013	.0677	-.0001	.0000	-.0004	-.0004	.0008
#2	-.0015	-.0023	.0011	.0009	.0580	.0003	-.0001	-.0004	-.0011	.0011

Elem	W_2397	Zn2062	Zr3391
Avg	.0023	.0001	.0002
Stddev	.0009	.0001	.0000
%RSD	40.32	66.01	25.63
#1	.0017	.0001	.0002
#2	.0030	.0000	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1386.2	53872.	10545.
Stddev	.0	372.	264.
%RSD	.00113	.68960	2.5055
#1	1386.2	53610.	10732.
#2	1386.2	54135.	10358.

Zoom In Zoom Out

Sample Name: MC23211-2 Acquired: 8/7/2013 13:53:36 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0012	225.9	.2997	-.0210	.0879	2.408	.0161	162.0	.0126	.2888
Stddev	.0003	.4	.0022	.0040	.0014	.003	.0002	.3	.0003	.0006
%RSD	20.98	.1640	.7205	19.18	1.579	.1098	1.232	.1727	2.747	.2096
#1	-.0010	225.6	.3012	-.0238	.0889	2.406	.0160	161.8	.0124	.2893
#2	-.0014	226.1	.2982	-.0181	.0869	2.410	.0163	162.2	.0129	.2884

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.3241	.5395	550.8	16.13	105.0	15.83	.0406	27.04	.4981	.5652
Stddev	.0035	.0051	1.8	.12	.7	.00	.0005	.02	.0000	.0010
%RSD	1.066	.9531	.3305	.7650	.6426	.0174	1.151	.0875	.0059	.1718
#1	.3216	.5359	549.5	16.05	104.5	15.83	.0409	27.02	.4980	.5645
#2	.3265	.5432	552.1	16.22	105.4	15.83	.0403	27.05	.4981	.5659

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0294	.0494	-.0002	-.0063	104.3	.0145	.4693	.7978	.0028	.4672
Stddev	.0007	.0034	.0001	.0016	.2	.0017	.0008	.0053	.0009	.0037
%RSD	2.494	6.796	25.82	24.78	.1923	12.00	.1810	.6691	32.10	.7893
#1	-.0289	.0470	-.0003	-.0075	104.1	.0158	.4687	.8016	.0034	.4646
#2	-.0299	.0517	-.0002	-.0052	104.4	.0133	.4699	.7940	.0021	.4698

Elem	W_2397	Zn2062	Zr3391
Avg	-.0047	1.717	.0221
Stddev	.0025	.000	.0006
%RSD	52.12	.0137	2.641
#1	-.0065	1.717	.0217
#2	-.0030	1.717	.0226

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1533.1	61350.	12012.
Stddev	6.0	68.	54.
%RSD	.39130	.11141	.44616
#1	1528.9	61302.	11974.
#2	1537.4	61399.	12050.

Zoom In Zoom Out

Sample Name: MP21454-SD1 Acquired: 8/7/2013 13:58:02 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0017	250.7	.3382	-.0094	.1102	2.674	.0188	184.4	.0116	.3199
Stddev	.0017	1.6	.0186	.0092	.0030	.012	.0003	1.4	.0000	.0038
%RSD	99.75	.6481	5.505	98.05	2.728	.4649	1.715	.7805	.0917	1.199
#1	.0005	251.8	.3514	-.0160	.1123	2.683	.0185	185.4	.0116	.3226
#2	.0030	249.6	.3251	-.0029	.1081	2.666	.0190	183.4	.0116	.3172

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.3759	.6151	638.6	18.10	116.8	18.64	.0485	30.90	.5649	.6443
Stddev	.0073	.0020	5.3	.34	.8	.02	.0026	.05	.0000	.0003
%RSD	1.931	.3242	.8338	1.889	.7222	.0930	5.296	.1566	.0077	.0518
#1	.3707	.6165	642.4	17.85	116.2	18.63	.0504	30.87	.5649	.6441
#2	.3810	.6137	634.8	18.34	117.4	18.66	.0467	30.94	.5648	.6446

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0405	-.0039	.0083	-.0005	116.6	.0176	.5275	.9223	-.0078	.5483
Stddev	.0033	.0136	.0039	.0006	.3	.0069	.0009	.0022	.0175	.0015
%RSD	8.125	351.7	46.97	123.1	.2465	39.44	.1752	.2417	225.4	.2648
#1	-.0381	-.0135	.0110	-.0001	116.8	.0127	.5281	.9239	.0046	.5472
#2	-.0428	.0058	.0055	-.0010	116.4	.0225	.5268	.9207	-.0202	.5493

Elem	W_2397	Zn2062	Zr3391
Avg	-.0308	1.988	.0255
Stddev	.0051	.002	.0004
%RSD	16.60	.0750	1.577
#1	-.0272	1.989	.0258
#2	-.0344	1.987	.0252

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1415.9	55717.	10914.
Stddev	2.4	54.	15.
%RSD	.17052	.09675	.13857
#1	1417.6	55756.	10904.
#2	1414.2	55679.	10925.

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/7/2013 14:08:00 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	.0183	.0043	.0013	.0006	-.0001	.0000	.0180	-.0002	.0002
Stddev	.0002	.0005	.0019	.0013	.0001	.0000	.0000	.0032	.0000	.0002
%RSD	55.67	2.979	45.53	99.21	9.965	42.77	65.68	17.69	19.80	152.6
#1	.0002	.0187	.0056	.0004	.0006	-.0001	.0000	.0157	-.0002	.0000
#2	.0005	.0179	.0029	.0022	.0006	.0000	.0000	.0202	-.0003	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0052	.0019	.0190	.0045	.0036	.0013	.0004	.0867	.0004	.0055
Stddev	.0002	.0011	.0075	.0152	.0027	.0000	.0000	.0175	.0002	.0003
%RSD	3.885	55.67	39.79	339.3	76.62	.9024	1.146	20.22	53.17	5.771
#1	.0054	.0027	.0136	-.0063	.0016	.0013	.0004	.0743	.0002	.0057
#2	.0051	.0012	.0243	.0152	.0055	.0013	.0004	.0991	.0005	.0053

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0013	-.0023	.0004	-.0012	.0561	.0007	-.0001	-.0004	.0021	.0009
Stddev	.0002	.0013	.0004	.0010	.0037	.0002	.0001	.0002	.0020	.0002
%RSD	12.26	55.81	94.70	81.91	6.680	24.92	200.0	61.02	96.58	20.62
#1	-.0014	-.0014	.0007	-.0020	.0588	.0006	-.0001	-.0005	.0007	.0010
#2	-.0012	-.0032	.0001	-.0005	.0535	.0008	.0000	-.0002	.0035	.0007

Elem	W_2397	Zn2062	Zr3391
Avg	-.0037	.0004	.0000
Stddev	.0023	.0001	.0003
%RSD	62.68	28.12	918.6
#1	-.0021	.0003	-.0002
#2	-.0053	.0005	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1388.5	53726.	10507.
Stddev	1.7	951.	345.
%RSD	.12165	1.7691	3.2791
#1	1387.3	53054.	10751.
#2	1389.7	54399.	10263.

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/7/2013 14:15:53 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	.0196	.0042	.0021	-.0001	.0000	.0000	.0140	-.0002	.0002
Stddev	.0001	.0022	.0007	.0006	.0002	.0001	.0000	.0051	.0001	.0001
%RSD	19.66	11.29	17.35	28.82	185.7	2407.	75.19	36.11	42.97	34.90
#1	-.0003	.0212	.0047	.0026	.0000	.0001	.0001	.0104	-.0002	.0001
#2	-.0004	.0180	.0037	.0017	-.0002	-.0001	.0000	.0176	-.0003	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0047	.0005	.0078	.0222	-.0334	.0006	.0002	.0763	.0000	.0034
Stddev	.0000	.0004	.0005	.0163	.0320	.0000	.0002	.0047	.0002	.0007
%RSD	.1828	83.66	6.630	73.64	95.81	6.859	80.65	6.129	812.5	19.54
#1	.0047	.0008	.0082	.0106	-.0108	.0006	.0001	.0730	.0002	.0029
#2	.0047	.0002	.0074	.0338	-.0561	.0007	.0004	.0796	-.0001	.0038

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0026	-.0034	.0009	.0003	.0422	.0009	-.0002	-.0004	.0007	.0005
Stddev	.0012	.0031	.0009	.0005	.0011	.0003	.0000	.0002	.0012	.0003
%RSD	46.58	91.16	99.73	143.8	2.511	28.08	14.32	36.10	180.6	53.96
#1	-.0035	-.0012	.0003	.0007	.0430	.0011	-.0002	-.0005	.0016	.0007
#2	-.0018	-.0056	.0015	.0000	.0415	.0007	-.0001	-.0003	-.0002	.0003

Elem	W_2397	Zn2062	Zr3391
Avg	.0011	.0002	.0001
Stddev	.0027	.0000	.0001
%RSD	242.6	13.86	60.40
#1	-.0008	.0002	.0001
#2	.0030	.0002	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1397.5	54800.	10369.
Stddev	.2	137.	46.
%RSD	.01617	.24954	.43918
#1	1397.7	54896.	10401.
#2	1397.3	54703.	10337.

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/7/2013 14:21:03 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0051	.2124	F.0063	.0009	.1029	.0483	.0042	4.867	.0041
Stddev	.0005	.0176	.0014	.0016	.0003	.0001	.0001	.009	.0000
%RSD	10.38	8.300	22.11	171.5	.3387	.2043	1.540	.1919	.9135
#1	.0054	.1999	.0054	.0021	.1032	.0482	.0041	4.860	.0041
#2	.0047	.2248	.0073	-.0002	.1027	.0484	.0042	4.873	.0042

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0528	.0095	.0260	.0958	4.851	4.598	.0158	.1025	5.121
Stddev	.0003	.0001	.0003	.0000	.002	.023	.0001	.0006	.020
%RSD	.5300	1.020	1.166	.0016	.0495	.5039	.8646	.6129	.3914
#1	.0526	.0095	.0262	.0958	4.852	4.581	.0158	.1020	5.106
#2	.0530	.0096	.0258	.0958	4.849	4.614	.0159	.1029	5.135

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0401	.0062	-.0019	-.0087	.0073	.0109	.0285	.0999	.0098
Stddev	.0001	.0004	.0005	.0007	.0006	.0005	.0006	.0002	.0001
%RSD	.2199	6.036	24.31	7.659	8.693	4.524	2.083	.1560	.6435
#1	.0401	.0059	-.0016	-.0092	.0078	.0113	.0289	.1000	.0097
#2	.0400	.0064	-.0022	-.0082	.0069	.0106	.0281	.0998	.0098

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0508	F.0033	.0110	-.0060	.0201	.0000
Stddev	.0004	.0014	.0005	.0053	.0000	.0000
%RSD	.8140	40.64	4.721	87.70	.1639	1316.
#1	.0505	.0024	.0106	-.0023	.0201	.0000
#2	.0511	.0043	.0113	-.0097	.0201	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1376.8	53781.	10452.
Stddev	.1	115.	105.
%RSD	.00515	.21460	1.0036
#1	1376.8	53699.	10526.
#2	1376.9	53863.	10378.

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/7/2013 14:29:08 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0051	.2094	.0038	.0012	.1027	.0481	.0041	4.887	.0041
Stddev	.0005	.0002	.0005	.0017	.0001	.0002	.0000	.002	.0002
%RSD	9.953	.0949	12.37	140.1	.0640	.4283	1.055	.0326	4.391
#1	.0047	.2093	.0035	.0024	.1027	.0482	.0041	4.886	.0040
#2	.0054	.2095	.0041	.0000	.1028	.0480	.0041	4.888	.0042

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0525	.0091	.0254	.0992	4.833	4.639	.0157	.1013	5.160
Stddev	.0002	.0004	.0001	.0030	.010	.039	.0002	.0001	.024
%RSD	.3313	4.749	.5486	3.063	.1996	.8396	.9968	.0883	.4560
#1	.0526	.0088	.0253	.0971	4.826	4.612	.0158	.1014	5.177
#2	.0523	.0094	.0255	.1014	4.840	4.667	.0156	.1013	5.144

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0398	.0059	-.0019	-.0028	.0065	.0102	.0245	.0980	.0096
Stddev	.0003	.0003	.0003	.0040	.0002	.0005	.0005	.0000	.0000
%RSD	.6341	4.500	14.74	139.4	2.926	4.647	2.063	.0085	.1715
#1	.0396	.0057	-.0017	-.0057	.0064	.0105	.0248	.0981	.0096
#2	.0400	.0061	-.0021	.0000	.0067	.0098	.0241	.0980	.0096

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0509	F.0024	.0110	-.0021	.0206	-.0001
Stddev	.0006	.0000	.0005	.0016	.0001	.0001
%RSD	1.170	1.345	4.210	78.57	.3649	93.00
#1	.0505	.0025	.0107	-.0032	.0206	-.0002
#2	.0513	.0024	.0114	-.0009	.0205	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1381.7	54203.	10343.
Stddev	.9	25.	44.
%RSD	.06209	.04652	.42607
#1	1382.3	54185.	10375.
#2	1381.1	54220.	10312.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 8/7/2013 14:37:25 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	509.6	-.0005	.0061	.0035	-.0010	.0001	441.3	.0007	.0021
Stddev	.0001	2.3	.0005	.0016	.0003	.0001	.0000	3.2	.0001	.0001
%RSD	75.15	.4462	103.1	26.52	7.230	14.25	32.17	.7199	11.97	4.863
#1	.0002	508.0	-.0001	.0072	.0036	-.0009	.0001	439.0	.0007	.0022
#2	.0001	511.2	-.0008	.0049	.0033	-.0011	.0001	443.5	.0006	.0020

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0004	175.0	.0073	465.5	.0001	-.0009	.1276	-.0012	-.0016
Stddev	.0010	.0005	.0	.0305	.5	.0002	.0000	.0242	.0002	.0004
%RSD	643.9	139.8	.0088	420.0	.1036	327.7	3.809	18.92	14.03	28.07
#1	.0009	.0000	175.0	-.0143	465.1	.0002	-.0009	.1106	-.0013	-.0013
#2	-.0005	.0008	175.0	.0289	465.8	-.0001	-.0009	.1447	-.0011	-.0019

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0394	-.0253	.0009	-.0032	.0723	-.0004	.0007	.0081	-.0003	.0010
Stddev	.0000	.0026	.0004	.0008	.0004	.0003	.0001	.0002	.0005	.0012
%RSD	.0688	10.33	48.68	26.09	.5057	61.43	7.604	1.993	154.9	122.3
#1	-.0394	-.0271	.0012	-.0026	.0726	-.0002	.0007	.0080	.0000	.0019
#2	-.0394	-.0234	.0006	-.0038	.0721	-.0006	.0008	.0082	-.0006	.0001

Elem	W_2397	Zn2062	Zr3391
Avg	-.0332	-.0004	.0009
Stddev	.0003	.0003	.0003
%RSD	.9718	87.75	33.73
#1	-.0330	-.0001	.0011
#2	-.0334	-.0006	.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1239.8	49903.	10433.
Stddev	.5	220.	26.
%RSD	.04192	.44005	.24511
#1	1239.4	49748.	10451.
#2	1240.1	50058.	10415.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 8/7/2013 14:41:53 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.071	523.5	2.142	.4906	1.106	.4839	.4626	448.7	1.100	.5245
Stddev	.018	15.4	.003	.0080	.001	.0146	.0139	17.7	.001	.0005
%RSD	1.651	2.950	.1606	1.627	.0978	3.021	2.999	3.954	.1032	.0885
#1	1.083	512.6	2.140	.4963	1.106	.4736	.4528	436.2	1.099	.5248
#2	1.058	534.4	2.144	.4850	1.107	.4942	.4724	461.3	1.101	.5241

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4841	.5312	178.5	.0514	474.4	.4950	1.032	.1249	.9532	.9974
Stddev	.0102	.0095	6.0	.0045	16.3	.0083	.001	.0055	.0002	.0014
%RSD	2.104	1.781	3.338	8.770	3.425	1.667	.1084	4.377	.0211	.1366
#1	.4913	.5379	174.3	.0482	462.9	.5008	1.031	.1210	.9530	.9983
#2	.4769	.5245	182.7	.0546	485.9	.4891	1.033	.1287	.9533	.9964

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.5104	.4726	2.185	2.117	2.254	1.063	.9667	.5089	2.147	.5177
Stddev	.0060	.0149	.004	.005	.002	.001	.0290	.0071	.003	.0096
%RSD	1.178	3.160	.1743	.2196	.1072	.1096	3.001	1.395	.1502	1.852
#1	.5146	.4832	2.183	2.114	2.252	1.062	.9462	.5139	2.145	.5245
#2	.5061	.4620	2.188	2.121	2.255	1.064	.9873	.5039	2.149	.5109

Elem	W_2397	Zn2062	Zr3391
Avg	1.823	.9323	.4405
Stddev	.009	.0009	.0048
%RSD	.5172	.0931	1.097
#1	1.830	.9317	.4439
#2	1.817	.9329	.4370

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1241.3	49958.	10143.
Stddev	1.5	845.	376.
%RSD	.11833	1.6915	3.7096
#1	1242.3	49360.	10409.
#2	1240.2	50555.	9877.2

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 14:46:14 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2485	10.11	2.007	-.0011	2.046	1.875	1.917	9.827	2.029	2.090
Stddev	.0002	.03	.011	.0007	.008	.003	.005	.029	.004	.005
%RSD	.0612	.3261	.5549	59.63	.3700	.1680	.2483	.2901	.1993	.2511
#1	.2486	10.13	1.999	-.0006	2.040	1.878	1.921	9.847	2.026	2.087
#2	.2484	10.09	2.015	-.0016	2.051	1.873	1.914	9.807	2.032	2.094

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.961	1.998	9.530	9.694	9.427	2.003	2.010	10.07	1.950	1.949
Stddev	.004	.004	.011	.018	.066	.003	.007	.01	.002	.004
%RSD	.2289	.2106	.1128	.1887	.6948	.1480	.3681	.0563	.1053	.1794
#1	1.964	1.995	9.538	9.681	9.381	2.006	2.004	10.07	1.948	1.947
#2	1.958	2.001	9.522	9.707	9.474	2.001	2.015	10.07	1.951	1.952

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0008	.0056	2.025	2.009	.1802	2.016	1.987	1.990	2.025	2.003
Stddev	.0012	.0048	.002	.003	.0009	.006	.005	.001	.004	.003
%RSD	148.4	85.02	.1184	.1561	.5148	.2986	.2639	.0522	.1862	.1466
#1	.0000	.0022	2.023	2.007	.1808	2.012	1.991	1.991	2.023	2.005
#2	-.0017	.0090	2.027	2.011	.1795	2.020	1.983	1.990	2.028	2.001

Elem	W_2397	Zn2062	Zr3391
Avg	.0111	1.929	.0072
Stddev	.0040	.004	.0020
%RSD	36.01	.2206	28.28
#1	.0139	1.926	.0086
#2	.0082	1.932	.0057

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1355.7	53838.	10539.
Stddev	1.8	65.	44.
%RSD	.13496	.12010	.41636
#1	1357.0	53792.	10508.
#2	1354.4	53884.	10570.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 14:50:26 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	.0215	.0009	.0017	.0027	.0000	.0001	.0113	.0003	.0003
Stddev	.0001	.0033	.0015	.0003	.0007	.0000	.0001	.0003	.0001	.0002
%RSD	90.05	15.43	168.8	18.41	24.98	96.95	46.63	2.949	39.25	43.26
#1	.0000	.0238	-.0002	.0020	.0032	.0000	.0002	.0115	.0004	.0002
#2	-.0002	.0191	.0019	.0015	.0022	.0000	.0001	.0110	.0002	.0005

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	.0011	.0021	.0110	-.0570	.0001	.0030	.0267	.0004	.0012
Stddev	.0001	.0007	.0018	.0125	.0121	.0000	.0007	.0011	.0000	.0000
%RSD	152.7	63.76	83.89	114.0	21.19	14.41	22.91	4.104	3.167	4.026
#1	-.0001	.0006	.0033	.0198	-.0485	.0001	.0035	.0259	.0004	.0012
#2	.0000	.0016	.0008	.0021	-.0656	.0002	.0025	.0275	.0004	.0012

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0024	-.0011	.0012	.0010	.0178	.0010	.0000	.0001	.0015	.0006
Stddev	.0003	.0047	.0002	.0000	.0009	.0003	.000	.0001	.0010	.0002
%RSD	11.54	416.6	17.87	3.579	5.100	32.89	24.16	68.06	64.79	33.06
#1	-.0022	-.0045	.0011	.0010	.0184	.0008	.0000	.0001	.0008	.0008
#2	-.0025	.0022	.0014	.0010	.0171	.0012	-.0001	.0002	.0022	.0005

Elem	W_2397	Zn2062	Zr3391
Avg	.0032	.0000	.0002
Stddev	.0026	.0000	.0002
%RSD	79.83	26.64	108.4
#1	.0014	.0000	.0004
#2	.0050	.0000	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1378.5	54501.	10477.
Stddev	3.5	219.	209.
%RSD	.25141	.40234	1.9953
#1	1376.1	54656.	10625.
#2	1381.0	54346.	10330.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 8/7/2013 14:54:49 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0046	.2150	.0126	.0013	.1053	.0484	.0041	4.919	.0044	.0526
Stddev	.0007	.0046	.0003	.0006	.0004	.0002	.0000	.004	.0000	.0003
%RSD	14.83	2.132	2.693	47.78	.3997	.3490	1.181	.0793	.7531	.5394
#1	.0051	.2182	.0128	.0008	.1050	.0485	.0041	4.917	.0044	.0524
#2	.0041	.2118	.0123	.0017	.1056	.0482	.0040	4.922	.0044	.0528

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0094	.0247	.1028	4.899	4.633	.0155	.1031	5.115	.0397	.0119
Stddev	.0005	.0004	.0004	.036	.030	.0000	.0001	.008	.0001	.0002
%RSD	5.131	1.739	.4012	.7284	.6473	.3000	.0557	.1504	.2502	1.310
#1	.0091	.0250	.1025	4.873	4.655	.0154	.1031	5.109	.0398	.0118
#2	.0097	.0244	.1031	4.924	4.612	.0155	.1031	5.120	.0397	.0121

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0014	.0020	.0123	.0112	.0440	.0981	.0098	.0507	.0083	.0107
Stddev	.0019	.0063	.0002	.0007	.0004	.0005	.0000	.0001	.0015	.0004
%RSD	132.0	317.6	1.291	5.818	.8847	.5541	.3315	.1253	17.70	3.307
#1	-.0001	-.0025	.0121	.0107	.0437	.0978	.0098	.0507	.0073	.0109
#2	-.0027	.0065	.0124	.0116	.0443	.0985	.0099	.0508	.0093	.0104

Elem	W_2397	Zn2062	Zr3391
Avg	-.0037	.0200	.0003
Stddev	.0060	.0001	.0000
%RSD	161.7	.5816	3.242
#1	.0005	.0199	.0003
#2	-.0079	.0201	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1363.7	54112.	10336.
Stddev	1.9	67.	88.
%RSD	.14017	.12345	.85072
#1	1362.3	54159.	10274.
#2	1365.0	54065.	10398.

Zoom In Zoom Out

Sample Name: MP21470-B1 Acquired: 8/7/2013 14:59:08 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1967	2.039	.5283	.0004	.0042	1.871	.4900	23.70	.5084	.5091
Stddev	.0008	.004	.0016	.0010	.0005	.001	.0003	.01	.0000	.0001
%RSD	.3852	.1774	.2960	240.0	12.91	.0351	.0525	.0589	.0045	.0204
#1	.1962	2.037	.5294	.0011	.0046	1.871	.4902	23.71	.5084	.5090
#2	.1973	2.042	.5272	-.0003	.0039	1.870	.4898	23.69	.5083	.5091

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5040	.4808	1.883	23.97	23.08	.4883	.0010	24.80	.4749	.9643
Stddev	.0089	.0011	.005	.02	.02	.0031	.0001	.04	.0005	.0007
%RSD	1.764	.2390	.2794	.0681	.0952	.6339	14.63	.1555	.0976	.0747
#1	.5103	.4816	1.880	23.95	23.07	.4905	.0011	24.83	.4745	.9638
#2	.4978	.4800	1.887	23.98	23.10	.4862	.0009	24.77	.4752	.9648

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0015	-.0064	.4994	.5014	.0492	.0032	.4766	.4831	.5021	.5142
Stddev	.0025	.0028	.0025	.0011	.0004	.0001	.0001	.0019	.0025	.0092
%RSD	163.4	44.20	.4930	.2247	.8153	1.658	.0293	.4006	.4910	1.780
#1	-.0033	-.0044	.4977	.5006	.0489	.0032	.4767	.4844	.5038	.5206
#2	.0002	-.0084	.5011	.5022	.0495	.0033	.4765	.4817	.5003	.5077

Elem	W_2397	Zn2062	Zr3391
Avg	-.0019	.4955	-.0013
Stddev	.0017	.0011	.0002
%RSD	88.38	.2220	17.96
#1	-.0007	.4947	-.0011
#2	-.0031	.4963	-.0015

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1366.4	54233.	10425.
Stddev	3.8	625.	57.
%RSD	.27823	1.1524	.54431
#1	1369.1	53791.	10385.
#2	1363.7	54675.	10465.

Zoom In Zoom Out

Sample Name: MP21470-MB1 Acquired: 8/7/2013 15:03:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	.0180	.0008	.0004	.0011	.0003	.0001	.0466	.0000	.0000
Stddev	.000	.0092	.0000	.0016	.0001	.0000	.0000	.0017	.000	.0004
%RSD	681.8	51.15	1.524	460.1	8.663	11.98	27.25	3.734	1783.	774.9
#1	-.0001	.0246	.0008	-.0008	.0012	.0003	.0001	.0478	-.0001	-.0002
#2	.0001	.0115	.0009	.0015	.0011	.0004	.0001	.0454	.0001	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	.0004	.0129	.0662	-.0198	.0003	.0006	.0830	-.0001	.0018
Stddev	.0002	.0003	.0017	.0123	.0024	.0000	.0002	.0009	.0003	.0001
%RSD	72.03	79.66	12.91	18.58	12.31	7.577	26.61	1.122	237.5	4.169
#1	-.0002	.0006	.0117	.0749	-.0215	.0003	.0005	.0837	-.0003	.0017
#2	-.0005	.0002	.0140	.0575	-.0180	.0003	.0008	.0824	.0001	.0018

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0015	-.0052	.0009	.0016	.0438	.0072	.0000	.0000	-.0037	.0004
Stddev	.0022	.0013	.0006	.0003	.0004	.0001	.000	.000	.0002	.0001
%RSD	141.9	24.23	68.59	18.05	.8187	.9893	370.4	1069.	6.595	15.07
#1	.0000	-.0043	.0005	.0019	.0436	.0073	.0000	.0002	-.0035	.0003
#2	-.0031	-.0061	.0014	.0014	.0441	.0072	.0000	-.0003	-.0039	.0004

Elem	W_2397	Zn2062	Zr3391
Avg	.0012	.0023	.0001
Stddev	.0032	.0001	.0002
%RSD	266.0	2.450	229.7
#1	-.0011	.0022	-.0001
#2	.0035	.0023	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1379.3	54492.	10411.
Stddev	.6	152.	117.
%RSD	.04100	.27893	1.1251
#1	1378.9	54385.	10494.
#2	1379.7	54600.	10328.

Zoom In Zoom Out

Sample Name: MP21470-S1 Acquired: 8/7/2013 15:07:43 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1747	89.44	.5001	-.0026	.0335	3.033	.4329	38.42	.4557	.5090
Stddev	.0003	.03	.0037	.0025	.0001	.002	.0006	.06	.0007	.0012
%RSD	.1826	.0384	.7397	98.25	.2240	.0731	.1297	.1638	.1576	.2280
#1	.1745	89.46	.5027	-.0044	.0336	3.032	.4325	38.46	.4562	.5099
#2	.1749	89.41	.4974	-.0008	.0335	3.035	.4332	38.37	.4552	.5082

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6019	.5122	134.1	27.35	37.98	3.181	.0019	22.71	.5180	1.153
Stddev	.0035	.0010	.1	.02	.06	.004	.0002	.03	.0007	.002
%RSD	.5786	.1893	.0995	.0589	.1647	.1417	12.90	.1285	.1412	.1502
#1	.5995	.5115	134.2	27.36	37.94	3.178	.0021	22.73	.5185	1.155
#2	.6044	.5128	134.0	27.34	38.03	3.185	.0017	22.69	.5175	1.152

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0046	.0046	.1969	.4225	6.174	.0048	.5164	2.676	.4435	.7237
Stddev	.0024	.0010	.0017	.0014	.045	.0004	.0007	.002	.0002	.0011
%RSD	52.08	22.28	.8711	.3344	.7238	7.922	.1346	.0621	.0473	.1462
#1	-.0029	.0053	.1981	.4215	6.206	.0051	.5159	2.677	.4433	.7229
#2	-.0063	.0039	.1957	.4235	6.143	.0045	.5169	2.675	.4436	.7244

Elem	W_2397	Zn2062	Zr3391
Avg	-.0015	.8238	.0664
Stddev	.0021	.0007	.0017
%RSD	141.9	.0894	2.487
#1	.0000	.8243	.0652
#2	-.0030	.8233	.0675

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1524.6	60443.	11925.
Stddev	.2	69.	61.
%RSD	.01157	.11367	.51039
#1	1524.7	60492.	11882.
#2	1524.4	60395.	11968.

Zoom In Zoom Out

Sample Name: MP21470-S2 Acquired: 8/7/2013 15:11:56 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1694	85.81	.5004	-.0036	.0305	3.028	.4363	38.74	.4574	.5078
Stddev	.0090	4.56	.0006	.0009	.0007	.162	.0239	2.03	.0008	.0005
%RSD	5.287	5.313	.1270	24.42	2.441	5.353	5.489	5.238	.1733	.0972
#1	.1631	82.59	.5009	-.0042	.0311	2.913	.4194	37.30	.4580	.5081
#2	.1757	89.03	.5000	-.0030	.0300	3.142	.4532	40.17	.4568	.5074

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5749	.4925	127.9	27.20	37.39	3.731	.0017	22.87	.5126	1.173
Stddev	.0276	.0268	6.9	1.31	1.92	.044	.0000	1.15	.0003	.002
%RSD	4.806	5.442	5.371	4.826	5.130	1.178	2.832	5.026	.0556	.1417
#1	.5554	.4736	123.1	26.28	36.03	3.700	.0018	22.06	.5124	1.174
#2	.5945	.5115	132.8	28.13	38.75	3.762	.0017	23.68	.5128	1.171

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0024	.0103	.1927	.4249	6.881	.0050	.5219	2.431	.4462	.6799
Stddev	.0001	.0012	.0006	.0009	.052	.0002	.0278	.118	.0008	.0334
%RSD	5.973	11.60	.3243	.2091	.7606	4.924	5.333	4.839	.1764	4.914
#1	-.0023	.0112	.1922	.4243	6.918	.0048	.5022	2.348	.4456	.6563
#2	-.0025	.0095	.1931	.4255	6.844	.0052	.5416	2.514	.4467	.7035

Elem	W_2397	Zn2062	Zr3391
Avg	-.0022	.8140	.0719
Stddev	.0058	.0005	.0039
%RSD	269.0	.0567	5.378
#1	-.0063	.8143	.0691
#2	.0020	.8137	.0746

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1517.9	62006.	11600.
Stddev	1.3	2152.	464.
%RSD	.08836	3.4700	3.9969
#1	1516.9	63527.	11928.
#2	1518.8	60484.	11272.

Zoom In Zoom Out

Sample Name: JB42561-22T Acquired: 8/7/2013 15:16:15 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	75.39	.0412	-.0029	.0217	1.312	.0051	17.56	.0016	.0577
Stddev	.0005	.44	.0004	.0018	.0001	.007	.0001	.13	.0001	.0005
%RSD	86.03	.5869	1.077	62.45	.5292	.5105	1.124	.7187	3.925	.8979
#1	-.0009	75.08	.0416	-.0016	.0217	1.308	.0051	17.47	.0016	.0573
#2	-.0002	75.70	.0409	-.0042	.0218	1.317	.0051	17.65	.0017	.0580

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1473	.0798	135.8	6.031	17.50	2.506	.0013	.8867	.0976	.4280
Stddev	.0013	.0004	.7	.044	.11	.007	.0000	.0138	.0004	.0018
%RSD	.8875	.5065	.5451	.7365	.6483	.2954	.2866	1.560	.4082	.4234
#1	.1483	.0800	135.3	6.062	17.58	2.511	.0013	.8965	.0974	.4267
#2	.1464	.0795	136.4	5.999	17.42	2.501	.0013	.8769	.0979	.4292

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0033	.0024	.0001	-.0006	6.674	.0086	.0889	2.108	.0056	.2678
Stddev	.0015	.0032	.0007	.0016	.014	.0000	.0007	.007	.0005	.0010
%RSD	45.88	133.0	524.6	263.7	.2064	.0478	.8352	.3286	9.347	.3746
#1	-.0044	.0001	-.0003	.0005	6.664	.0086	.0894	2.113	.0052	.2685
#2	-.0022	.0046	.0006	-.0018	6.684	.0086	.0884	2.103	.0060	.2671

Elem	W_2397	Zn2062	Zr3391
Avg	.0035	.3911	.0636
Stddev	.0020	.0010	.0006
%RSD	58.07	.2673	1.003
#1	.0049	.3903	.0631
#2	.0020	.3918	.0640

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1541.8	60603.	11853.
Stddev	5.2	64.	145.
%RSD	.33956	.10597	1.2221
#1	1545.5	60557.	11955.
#2	1538.1	60648.	11750.

Zoom In Zoom Out

Sample Name: MP21470-SD1 Acquired: 8/7/2013 15:20:30 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0023	82.56	.0541	.0066	.0347	1.433	.0054	19.61	.0015	.0647
Stddev	.0032	1.68	.0065	.0073	.0009	.033	.0005	.12	.0002	.0019
%RSD	141.5	2.037	11.98	109.7	2.655	2.276	8.611	.6349	10.99	2.995
#1	-.0046	83.74	.0495	.0118	.0340	1.456	.0051	19.70	.0014	.0634
#2	.0000	81.37	.0587	.0015	.0353	1.410	.0057	19.52	.0016	.0661

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1598	.0876	149.1	6.893	19.09	2.770	.0014	1.033	.1111	.4850
Stddev	.0005	.0039	2.8	.498	.18	.001	.0013	.015	.0003	.0011
%RSD	.2999	4.510	1.844	7.223	.9493	.0230	87.54	1.478	.2529	.2257
#1	.1601	.0904	151.1	7.245	18.97	2.771	.0005	1.044	.1109	.4858
#2	.1595	.0848	147.2	6.541	19.22	2.770	.0023	1.022	.1113	.4842

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0095	-.0184	.0064	.0056	7.385	.0120	.0964	2.347	-.0027	.3000
Stddev	.0064	.0105	.0048	.0048	.044	.0012	.0006	.045	.0096	.0019
%RSD	67.77	57.05	74.28	85.86	.6014	10.34	.5720	1.922	351.0	.6355
#1	-.0140	-.0110	.0098	.0022	7.416	.0111	.0960	2.379	-.0095	.3013
#2	-.0049	-.0259	.0030	.0090	7.354	.0128	.0968	2.315	.0041	.2986

Elem	W_2397	Zn2062	Zr3391
Avg	-.0178	.4492	.0733
Stddev	.0150	.0017	.0006
%RSD	84.68	.3787	.7703
#1	-.0284	.4504	.0737
#2	-.0071	.4480	.0729

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1406.3	55536.	10701.
Stddev	5.9	174.	166.
%RSD	.42102	.31363	1.5503
#1	1402.1	55659.	10584.
#2	1410.5	55412.	10818.

Zoom In Zoom Out

Sample Name: MP21470-LC1 Acquired: 8/7/2013 15:24:50 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.3261	87.68	.9013	-.0038	1.036	1.487	.4943	56.48	.6205	1.001
Stddev	.0010	.05	.0008	.0015	.000	.002	.0005	.03	.0002	.000
%RSD	.3206	.0593	.0917	39.10	.0077	.1631	.0935	.0532	.0341	.0347
#1	.3254	87.72	.9019	-.0048	1.036	1.488	.4946	56.46	.6206	1.001
#2	.3269	87.65	.9007	-.0027	1.036	1.485	.4940	56.51	.6203	1.001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6686	.7443	105.2	35.59	27.57	2.690	.4010	6.315	.5500	.8482
Stddev	.0063	.0023	.1	.01	.03	.005	.0002	.010	.0008	.0004
%RSD	.9406	.3075	.1260	.0335	.1239	.1815	.0536	.1526	.1446	.0493
#1	.6642	.7427	105.1	35.60	27.59	2.686	.4012	6.322	.5505	.8479
#2	.6731	.7460	105.3	35.58	27.54	2.693	.4009	6.308	.5494	.8485

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0057	.0008	.5353	1.552	6.829	.9358	.6377	2.259	1.175	.5256
Stddev	.0000	.0014	.0002	.002	.036	.0025	.0007	.005	.002	.0008
%RSD	.0210	171.8	.0358	.1127	.5261	.2620	.1059	.2104	.1810	.1445
#1	-.0057	.0018	.5355	1.553	6.855	.9376	.6381	2.256	1.174	.5262
#2	-.0057	-.0002	.5352	1.550	6.804	.9341	.6372	2.263	1.177	.5251

Elem	W_2397	Zn2062	Zr3391
Avg	-.0029	1.261	.0732
Stddev	.0001	.002	.0002
%RSD	2.857	.1571	.2747
#1	-.0028	1.262	.0734
#2	-.0029	1.259	.0731

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1457.1	58095.	11336.
Stddev	1.3	333.	136.
%RSD	.09110	.57311	1.1959
#1	1458.1	58331.	11432.
#2	1456.2	57860.	11240.

Zoom In Zoom Out

Sample Name: MC23272-6 Acquired: 8/7/2013 15:29:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	69.08	.1585	-.0032	.0721	1.692	.0055	255.3	.0172	.0979
Stddev	.0002	.23	.0002	.0025	.0002	.007	.0001	.2	.0002	.0002
%RSD	35.92	.3282	.1055	77.30	.2744	.4046	1.357	.0791	1.023	.2365
#1	-.0008	69.24	.1583	-.0014	.0720	1.697	.0054	255.4	.0171	.0977
#2	-.0005	68.92	.1586	-.0049	.0722	1.687	.0055	255.2	.0173	.0981

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2217	.5652	276.0	7.583	29.64	4.516	.0891	2.521	.9277	1.903
Stddev	.0025	.0005	.2	.034	.01	.017	.0004	.023	.0001	.003
%RSD	1.106	.0910	.0746	.4503	.0280	.3670	.4997	.9280	.0065	.1647
#1	.2200	.5649	276.2	7.608	29.64	4.504	.0888	2.538	.9277	1.906
#2	.2234	.5656	275.9	7.559	29.65	4.528	.0894	2.505	.9277	1.901

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0246	.0031	.0048	.0063	5.338	.0648	.6778	2.002	.0013	.2371
Stddev	.0024	.0017	.0003	.0018	.002	.0000	.0031	.001	.0025	.0029
%RSD	9.605	55.55	7.096	29.36	.0404	.0671	.4552	.0386	190.3	1.238
#1	-.0229	.0043	.0050	.0050	5.337	.0649	.6800	2.002	.0031	.2350
#2	-.0262	.0019	.0045	.0075	5.340	.0648	.6756	2.001	-.0005	.2391

Elem	W_2397	Zn2062	Zr3391
Avg	.0191	3.316	.0791
Stddev	.0002	.003	.0004
%RSD	1.297	.0794	.4442
#1	.0193	3.318	.0788
#2	.0189	3.314	.0793

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1398.3	56381.	11166.
Stddev	5.2	71.	72.
%RSD	.37053	.12631	.64436
#1	1394.6	56330.	11115.
#2	1401.9	56431.	11217.

Zoom In Zoom Out

Sample Name: MC23273-23 Acquired: 8/7/2013 15:33:30 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	55.32	.1719	-.0011	.0296	1.103	.0057	92.24	.0100	.0768
Stddev	.0006	.01	.0004	.0001	.0005	.001	.0001	.05	.0002	.0001
%RSD	340.0	.0149	.2460	6.879	1.631	.1221	1.690	.0565	2.039	.1840
#1	-.0006	55.32	.1716	-.0012	.0300	1.102	.0058	92.28	.0101	.0769
#2	.0002	55.31	.1722	-.0011	.0293	1.104	.0056	92.20	.0098	.0767

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1706	.3754	192.2	9.292	19.80	1.948	.0359	9.176	.2607	.1573
Stddev	.0007	.0001	.1	.041	.10	.009	.0001	.028	.0010	.0013
%RSD	.4262	.0281	.0462	.4446	.5079	.4620	.1770	.3027	.3768	.8029
#1	.1711	.3754	192.1	9.263	19.87	1.954	.0360	9.157	.2614	.1564
#2	.1700	.3753	192.2	9.321	19.73	1.942	.0359	9.196	.2600	.1582

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0105	-.0073	.0017	.0074	6.832	.0086	.9973	1.358	.0080	.2072
Stddev	.0014	.0004	.0002	.0004	.031	.0004	.0020	.014	.0013	.0009
%RSD	13.41	5.594	11.01	4.859	.4473	4.786	.1968	1.063	16.07	.4302
#1	-.0115	-.0070	.0018	.0076	6.853	.0089	.9959	1.368	.0071	.2066
#2	-.0095	-.0076	.0016	.0071	6.810	.0083	.9987	1.348	.0089	.2078

Elem	W_2397	Zn2062	Zr3391
Avg	.0022	.2475	.0629
Stddev	.0101	.0006	.0013
%RSD	455.7	.2353	2.141
#1	.0094	.2479	.0619
#2	-.0049	.2471	.0638

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1429.3	57385.	11154.
Stddev	.7	479.	82.
%RSD	.05231	.83442	.73286
#1	1429.8	57046.	11096.
#2	1428.8	57723.	11212.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 15:37:46 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2498	9.989	2.014	-.0023	2.044	1.861	1.908	9.728	2.016	2.090
Stddev	.0006	.005	.003	.0006	.001	.002	.001	.028	.004	.002
%RSD	.2307	.0474	.1455	28.11	.0434	.1203	.0479	.2842	.1733	.0832
#1	.2502	9.986	2.016	-.0027	2.044	1.862	1.909	9.747	2.019	2.091
#2	.2494	9.993	2.012	-.0018	2.045	1.859	1.908	9.708	2.014	2.088

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.961	1.998	9.424	9.564	9.273	2.016	2.007	9.996	1.951	1.951
Stddev	.004	.004	.017	.009	.004	.004	.003	.015	.001	.001
%RSD	.1862	.1848	.1758	.0954	.0382	.2102	.1399	.1486	.0345	.0721
#1	1.964	1.996	9.436	9.571	9.276	2.019	2.005	10.01	1.952	1.950
#2	1.959	2.001	9.412	9.558	9.271	2.013	2.009	9.986	1.951	1.952

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0033	-.0054	2.017	2.017	.1677	2.015	1.964	1.996	2.023	2.009
Stddev	.0002	.0020	.001	.003	.0032	.001	.002	.001	.004	.002
%RSD	6.435	37.77	.0492	.1394	1.911	.0568	.0930	.0443	.1719	.1170
#1	-.0034	-.0039	2.018	2.015	.1700	2.015	1.965	1.997	2.021	2.011
#2	-.0031	-.0068	2.016	2.019	.1655	2.016	1.963	1.995	2.026	2.007

Elem	W_2397	Zn2062	Zr3391
Avg	.0035	1.927	.0000
Stddev	.0012	.000	.001
%RSD	34.70	.0198	10020.
#1	.0044	1.927	.0004
#2	.0027	1.927	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1374.2	53943.	10600.
Stddev	5.1	187.	5.
%RSD	.37045	.34714	.05126
#1	1370.6	53811.	10596.
#2	1377.8	54076.	10604.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 15:41:59 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	.0157	.0011	.0022	.0026	.0000	.0001	.0026	.0000	-.0001
Stddev	.0004	.0042	.0005	.0009	.0002	.000	.0000	.0006	.0001	.0001
%RSD	86.53	27.02	44.50	43.47	9.439	423.5	27.73	24.57	196.7	250.8
#1	-.0002	.0127	.0007	.0015	.0025	.0000	.0001	.0021	.0000	-.0001
#2	-.0007	.0187	.0014	.0029	.0028	-.0001	.0001	.0030	.0001	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0006	.0002	.0014	.0323	-.0504	.0000	.0019	.0182	-.0002	.0013
Stddev	.0001	.0002	.0003	.0139	.0174	.0000	.0010	.0023	.0001	.0004
%RSD	16.15	77.43	18.16	42.95	34.46	47.59	56.24	12.50	76.74	29.63
#1	-.0005	.0001	.0012	.0422	-.0381	.0000	.0026	.0198	-.0003	.0010
#2	-.0006	.0004	.0016	.0225	-.0626	.0000	.0011	.0166	-.0001	.0016

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0004	-.0039	.0002	.0006	.0158	.0006	-.0001	.0001	.0009	.0008
Stddev	.0008	.0052	.0006	.0007	.0012	.0002	.0000	.0005	.0003	.0001
%RSD	234.8	133.4	237.7	119.2	7.747	41.89	42.40	415.1	29.81	8.462
#1	.0002	-.0002	.0006	.0011	.0167	.0007	-.0001	.0004	.0007	.0009
#2	-.0010	-.0076	-.0002	.0001	.0149	.0004	-.0001	-.0002	.0011	.0008

Elem	W_2397	Zn2062	Zr3391
Avg	-.0083	.0001	.0001
Stddev	.0066	.0002	.0000
%RSD	78.99	169.3	38.92
#1	-.0037	.0000	.0002
#2	-.0129	.0002	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1381.5	54328.	10510.
Stddev	1.3	237.	87.
%RSD	.09514	.43576	.82784
#1	1380.6	54160.	10449.
#2	1382.4	54495.	10572.

Zoom In Zoom Out

Sample Name: MP21462-B1 Acquired: 8/7/2013 15:46:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1937	2.015	.5154	-.0004	.9735	1.853	.4834	23.33	.5000	.4999
Stddev	.0007	.016	.0038	.0006	.0034	.024	.0062	.31	.0021	.0021
%RSD	.3665	.7699	.7331	137.3	.3511	1.312	1.277	1.337	.4136	.4147
#1	.1932	2.004	.5127	.0000	.9711	1.836	.4791	23.11	.4985	.4985
#2	.1942	2.026	.5181	-.0008	.9760	1.870	.4878	23.55	.5014	.5014

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4933	.4724	1.882	23.59	22.90	.4781	.0012	24.53	.4678	.9517
Stddev	.0065	.0011	.023	.39	.41	.0013	.0001	.29	.0020	.0021
%RSD	1.326	.2403	1.214	1.650	1.803	.2800	12.33	1.171	.4178	.2226
#1	.4887	.4716	1.866	23.31	22.61	.4771	.0013	24.33	.4665	.9502
#2	.4979	.4732	1.898	23.87	23.19	.4790	.0011	24.73	.4692	.9532

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0043	-.0003	.4921	.4863	.0614	.0042	.4709	.4716	.4909	.5030
Stddev	.0014	.0025	.0017	.0033	.0013	.0005	.0063	.0002	.0005	.0116
%RSD	32.61	725.4	.3556	.6803	2.180	10.77	1.332	.0367	.0973	2.300
#1	-.0053	.0014	.4909	.4840	.0624	.0039	.4665	.4715	.4905	.4948
#2	-.0033	-.0021	.4934	.4886	.0605	.0045	.4753	.4718	.4912	.5112

Elem	W_2397	Zn2062	Zr3391
Avg	-.0015	.4838	-.0016
Stddev	.0015	.0014	.0001
%RSD	98.69	.2850	4.987
#1	-.0005	.4828	-.0016
#2	-.0026	.4848	-.0017

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1367.6	54206.	10360.
Stddev	1.9	136.	129.
%RSD	.13615	.25009	1.2463
#1	1368.9	54302.	10451.
#2	1366.3	54110.	10268.

Zoom In Zoom Out

Sample Name: MP21462-MB1 Acquired: 8/7/2013 15:50:34 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0122	.0011	.0006	.0034	.0004	.0000	.0420	.0001	-.0001
Stddev	.0001	.0014	.0006	.0008	.0001	.0001	.0000	.0025	.0003	.0003
%RSD	66.47	11.51	56.31	138.7	3.893	33.12	57.14	5.864	338.3	211.8
#1	-.0003	.0112	.0007	.0012	.0035	.0003	.0000	.0437	-.0001	.0001
#2	-.0001	.0132	.0016	.0000	.0033	.0005	.0001	.0402	.0003	-.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0001	.0011	.0103	.0638	-.0319	.0003	.0004	.0550	-.0003	.0019
Stddev	.0003	.0001	.0010	.0011	.0060	.0000	.0002	.0075	.0001	.0007
%RSD	317.8	7.815	10.12	1.746	18.81	7.751	44.11	13.55	54.96	35.25
#1	.0003	.0012	.0095	.0630	-.0361	.0003	.0003	.0603	-.0002	.0024
#2	-.0001	.0010	.0110	.0646	-.0276	.0003	.0005	.0498	-.0004	.0014

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0014	-.0018	.0015	.0008	.0607	.0058	.0000	-.0001	-.0034	.0006
Stddev	.0005	.0010	.0012	.0002	.0002	.0002	.000	.0001	.0004	.0002
%RSD	34.87	54.07	78.75	27.28	.3680	2.888	217.5	74.89	11.63	31.02
#1	-.0018	-.0025	.0023	.0009	.0608	.0057	.0000	-.0002	-.0031	.0007
#2	-.0011	-.0011	.0007	.0006	.0605	.0059	-.0001	-.0001	-.0036	.0005

Elem	W_2397	Zn2062	Zr3391
Avg	-.0071	.0032	-.0001
Stddev	.0015	.0001	.0004
%RSD	21.14	4.502	243.3
#1	-.0060	.0033	.0001
#2	-.0082	.0031	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1382.0	54920.	10705.
Stddev	4.3	239.	144.
%RSD	.31040	.43525	1.3472
#1	1385.0	55089.	10806.
#2	1379.0	54751.	10603.

Zoom In Zoom Out

Sample Name: MP21462-S1 Acquired: 8/7/2013 15:54:56 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1820	103.7	.6030	-.0066	.8931	2.150	.4524	47.06	.4691	.5456
Stddev	.0010	4.6	.0039	.0021	.0040	.097	.0202	2.06	.0018	.0028
%RSD	.5414	4.440	.6536	32.67	.4488	4.519	4.467	4.370	.3888	.5198
#1	.1827	107.0	.6002	-.0081	.8903	2.219	.4667	48.52	.4679	.5436
#2	.1813	100.5	.6058	-.0051	.8959	2.082	.4381	45.61	.4704	.5476

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5762	.6620	221.6	30.43	48.92	4.125	.0232	23.41	.6199	.9817
Stddev	.0023	.0080	10.0	1.22	2.07	.001	.0002	.98	.0030	.0053
%RSD	.3978	1.206	4.506	4.001	4.234	.0213	.7606	4.189	.4883	.5449
#1	.5779	.6676	228.7	31.29	50.38	4.125	.0230	24.10	.6178	.9779
#2	.5746	.6564	214.5	29.56	47.45	4.126	.0233	22.72	.6220	.9855

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0051	.0061	.1483	.4386	4.071	.0040	.5249	2.006	.4534	.6672
Stddev	.0039	.0044	.0013	.0017	.012	.0002	.0232	.023	.0016	.0048
%RSD	76.61	72.81	.8690	.3945	.3050	5.733	4.428	1.131	.3544	.7160
#1	-.0023	.0092	.1474	.4374	4.062	.0041	.5413	2.022	.4523	.6706
#2	-.0078	.0029	.1492	.4398	4.080	.0038	.5084	1.990	.4545	.6638

Elem	W_2397	Zn2062	Zr3391
Avg	-.0005	1.084	.0760
Stddev	.0037	.005	.0013
%RSD	760.8	.4852	1.687
#1	-.0031	1.081	.0750
#2	.0021	1.088	.0769

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1485.4	58465.	11300.
Stddev	1.8	308.	393.
%RSD	.12257	.52663	3.4737
#1	1486.7	58247.	11022.
#2	1484.2	58682.	11577.

Zoom In Zoom Out

Sample Name: MP21462-S2 Acquired: 8/7/2013 15:59:14 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1707	103.9	.5984	-.0058	.8973	2.101	.4424	45.89	.4671	.5443
Stddev	.0109	.4	.0041	.0019	.0005	.006	.0015	.17	.0000	.0011
%RSD	6.382	.3795	.6907	32.56	.0585	.2772	.3484	.3633	.0086	.2056
#1	.1630	103.6	.6013	-.0071	.8969	2.097	.4413	45.77	.4671	.5451
#2	.1784	104.2	.5955	-.0045	.8977	2.105	.4435	46.01	.4671	.5435

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5410	.6204	216.0	30.28	47.92	3.877	.0234	22.92	.6184	.9812
Stddev	.0415	.0440	.7	.06	.03	.206	.0003	.11	.0001	.0025
%RSD	7.669	7.086	.3312	.2012	.0621	5.307	1.402	.4843	.0116	.2522
#1	.5117	.5894	215.4	30.23	47.89	3.732	.0236	22.84	.6185	.9829
#2	.5703	.6515	216.5	30.32	47.94	4.023	.0231	22.99	.6184	.9794

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0037	.0028	.1569	.4338	4.205	.0038	.5127	1.982	.4524	.6308
Stddev	.0067	.0036	.0003	.0006	.003	.0008	.0016	.138	.0008	.0445
%RSD	183.1	127.4	.1624	.1268	.0809	20.74	.3064	6.962	.1700	7.054
#1	.0011	.0054	.1571	.4334	4.207	.0032	.5116	1.884	.4529	.5993
#2	-.0084	.0003	.1567	.4342	4.203	.0044	.5138	2.080	.4518	.6622

Elem	W_2397	Zn2062	Zr3391
Avg	.0034	1.084	.0830
Stddev	.0025	.002	.0084
%RSD	74.77	.1409	10.12
#1	.0051	1.085	.0770
#2	.0016	1.083	.0889

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1478.8	61737.	11525.
Stddev	.3	3341.	3.
%RSD	.01822	5.4115	.02540
#1	1479.0	64099.	11527.
#2	1478.6	59374.	11523.

Zoom In Zoom Out

Sample Name: MC23218-2 Acquired: 8/7/2013 16:03:33 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	85.71	.1332	-.0015	.0258	.3916	.0048	23.92	.0037	.0833
Stddev	.0002	.82	.0007	.0010	.0008	.0046	.0001	.20	.0001	.0006
%RSD	28.69	.9550	.5291	68.24	3.281	1.172	1.278	.8178	3.618	.7769
#1	-.0008	86.29	.1327	-.0023	.0264	.3948	.0049	24.06	.0036	.0829
#2	-.0005	85.13	.1337	-.0008	.0252	.3884	.0048	23.78	.0038	.0838

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1064	.2191	215.1	7.016	25.71	3.657	.0237	.5451	.1883	.1158
Stddev	.0013	.0017	2.2	.103	.10	.002	.0001	.0062	.0008	.0000
%RSD	1.268	.7964	1.037	1.474	.3972	.0423	.6327	1.139	.4345	.0062
#1	.1074	.2204	216.7	7.089	25.78	3.658	.0236	.5495	.1878	.1158
#2	.1055	.2179	213.5	6.943	25.63	3.656	.0238	.5407	.1889	.1158

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0060	.0032	.0021	.0008	3.867	.0047	.0619	1.643	-.0018	.1914
Stddev	.0023	.0002	.0002	.0010	.003	.0000	.0004	.005	.0006	.0004
%RSD	37.94	7.564	10.97	136.2	.0709	.6545	.6938	.2940	33.47	.2059
#1	-.0044	.0034	.0019	.0015	3.865	.0047	.0622	1.646	-.0023	.1917
#2	-.0077	.0030	.0022	.0000	3.869	.0046	.0616	1.639	-.0014	.1911

Elem	W_2397	Zn2062	Zr3391
Avg	.0012	.6698	.0654
Stddev	.0066	.0017	.0005
%RSD	558.1	.2516	.7110
#1	-.0035	.6686	.0657
#2	.0059	.6710	.0650

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1489.4	59281.	11698.
Stddev	3.4	163.	50.
%RSD	.22670	.27460	.42485
#1	1491.8	59166.	11663.
#2	1487.0	59396.	11733.

Zoom In Zoom Out

Sample Name: MP21462-SD1 Acquired: 8/7/2013 16:07:55 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0038	94.55	.1500	-.0001	.0438	.4312	.0055	27.14	.0027	.0909
Stddev	.0000	1.36	.0005	.0041	.0033	.0048	.0004	.06	.0005	.0001
%RSD	.5482	1.438	.3246	8268.	7.631	1.115	6.863	.2154	17.71	.1530
#1	-.0038	93.59	.1503	-.0030	.0462	.4278	.0058	27.10	.0031	.0908
#2	-.0038	95.51	.1496	.0029	.0415	.4346	.0053	27.18	.0024	.0910

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1189	.2386	242.6	7.911	28.19	4.113	.0261	.6834	.2061	.1279
Stddev	.0006	.0003	3.3	.149	.08	.014	.0003	.0745	.0001	.0014
%RSD	.4869	.1210	1.359	1.881	.2966	.3435	1.239	10.90	.0529	1.107
#1	.1193	.2384	240.3	7.805	28.25	4.123	.0263	.7361	.2062	.1269
#2	.1185	.2388	244.9	8.016	28.13	4.103	.0258	.6307	.2061	.1289

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0063	-.0135	.0017	.0041	4.287	.0043	.0680	1.874	-.0020	.2139
Stddev	.0021	.0076	.0038	.0007	.022	.0024	.0005	.002	.0049	.0066
%RSD	32.89	56.17	220.6	16.01	.5076	54.69	.7066	.1289	240.6	3.081
#1	-.0049	-.0081	.0044	.0045	4.272	.0060	.0677	1.872	.0014	.2092
#2	-.0078	-.0189	-.0010	.0036	4.303	.0026	.0684	1.876	-.0055	.2185

Elem	W_2397	Zn2062	Zr3391
Avg	-.0191	.7524	.0757
Stddev	.0162	.0008	.0008
%RSD	85.09	.1076	1.031
#1	-.0306	.7518	.0762
#2	-.0076	.7530	.0751

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1404.7	55597.	10733.
Stddev	2.4	429.	249.
%RSD	.17244	.77102	2.3181
#1	1406.4	55294.	10909.
#2	1403.0	55900.	10557.

Zoom In Zoom Out

Sample Name: MP21462-B2 Acquired: 8/7/2013 16:12:15 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1967	2.018	.5174	-.0001	.9794	1.846	.4847	23.30	.5048	.5042
Stddev	.0008	.013	.0012	.0011	.0028	.004	.0009	.03	.0004	.0001
%RSD	.3930	.6261	.2225	1046.	.2863	.2415	.1904	.1199	.0785	.0103
#1	.1972	2.027	.5182	.0007	.9774	1.849	.4854	23.32	.5045	.5042
#2	.1961	2.009	.5166	-.0009	.9814	1.843	.4841	23.28	.5051	.5043

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5004	.4769	1.867	23.55	22.81	.4828	.0007	24.57	.4715	.9506
Stddev	.0002	.0009	.005	.09	.01	.0002	.0000	.02	.0000	.0010
%RSD	.0305	.1946	.2567	.3970	.0638	.0351	.6349	.0694	.0001	.1089
#1	.5005	.4763	1.871	23.62	22.80	.4827	.0007	24.59	.4715	.9513
#2	.5003	.4776	1.864	23.48	22.82	.4829	.0007	24.56	.4715	.9498

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0030	.0041	.4961	.4874	.0575	.0041	.4711	.4810	.4934	.5119
Stddev	.0011	.0001	.0009	.0009	.0012	.0001	.0006	.0068	.0003	.0036
%RSD	37.65	1.521	.1758	.1815	2.121	3.131	.1217	1.420	.0555	.6956
#1	-.0022	.0041	.4955	.4881	.0583	.0040	.4715	.4761	.4932	.5144
#2	-.0038	.0040	.4967	.4868	.0566	.0042	.4707	.4858	.4936	.5094

Elem	W_2397	Zn2062	Zr3391
Avg	-.0032	.4891	.0115
Stddev	.0011	.0001	.0010
%RSD	34.59	.0134	9.126
#1	-.0024	.4890	.0122
#2	-.0040	.4891	.0107

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1358.7	53890.	10378.
Stddev	3.3	263.	41.
%RSD	.24325	.48857	.39779
#1	1356.4	54077.	10407.
#2	1361.1	53704.	10349.

Zoom In Zoom Out

Sample Name: MP21462-LC1 Acquired: 8/7/2013 16:16:28 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.3491	99.03	.9656	-.0028	1.117	1.622	.5144	57.42	.6321	1.044
Stddev	.0015	.13	.0017	.0004	.003	.002	.0001	.04	.0016	.001
%RSD	.4252	.1283	.1789	15.45	.3089	.0963	.0154	.0737	.2464	.1280
#1	.3501	98.94	.9669	-.0031	1.115	1.621	.5143	57.45	.6310	1.043
#2	.3480	99.12	.9644	-.0025	1.119	1.623	.5144	57.39	.6332	1.045

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.7142	.7652	118.2	38.74	29.69	2.825	.4143	6.455	.5624	.9052
Stddev	.0001	.0001	.1	.02	.04	.008	.0006	.018	.0008	.0015
%RSD	.0088	.0143	.0906	.0550	.1445	.2728	.1356	.2719	.1375	.1707
#1	.7142	.7651	118.3	38.73	29.72	2.820	.4139	6.443	.5618	.9041
#2	.7141	.7653	118.2	38.76	29.66	2.830	.4147	6.468	.5629	.9063

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0042	.0040	.6715	1.643	5.180	1.021	.6718	2.705	1.244	.5751
Stddev	.0015	.0013	.0031	.007	.008	.002	.0000	.007	.001	.0008
%RSD	35.16	33.64	.4620	.4130	.1609	.1532	.0063	.2617	.0711	.1391
#1	-.0032	.0030	.6737	1.638	5.175	1.022	.6718	2.699	1.244	.5746
#2	-.0053	.0049	.6694	1.648	5.186	1.020	.6718	2.710	1.245	.5757

Elem	W_2397	Zn2062	Zr3391
Avg	.0064	1.381	.0692
Stddev	.0023	.001	.0005
%RSD	35.45	.0391	.7633
#1	.0048	1.380	.0695
#2	.0080	1.381	.0688

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1473.5	58879.	11552.
Stddev	2.6	409.	34.
%RSD	.17852	.69491	.29191
#1	1475.4	59169.	11528.
#2	1471.6	58590.	11576.

Zoom In Zoom Out

Sample Name: MP21462-S3 Acquired: 8/7/2013 16:20:40 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1916	2.475	.5215	.0005	1.461	1.950	.4773	29.52	.5056	.5043
Stddev	.0013	.007	.0059	.0003	.016	.003	.0016	.06	.0057	.0042
%RSD	.6780	.2660	1.123	54.34	1.060	.1761	.3397	.2048	1.134	.8418
#1	.1925	2.471	.5256	.0007	1.472	1.952	.4785	29.56	.5097	.5073
#2	.1907	2.480	.5173	.0003	1.450	1.947	.4762	29.48	.5016	.5013

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5095	1.333	4.266	25.68	22.95	.5623	.2206	27.47	.5021	1.487
Stddev	.0011	.006	.012	.04	.05	.0001	.0020	.04	.0048	.012
%RSD	.2098	.4689	.2737	.1517	.1974	.0253	.9060	.1531	.9649	.8304
#1	.5103	1.337	4.257	25.65	22.98	.5622	.2220	27.50	.5055	1.496
#2	.5088	1.329	4.274	25.71	22.92	.5624	.2192	27.45	.4987	1.478

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0045	-.0071	.4823	.4964	.2219	.0496	.4807	.4943	.4896	.5110
Stddev	.0010	.0013	.0065	.0039	.0043	.0014	.0001	.0009	.0062	.0001
%RSD	22.21	17.69	1.343	.7934	1.933	2.751	.0212	.1789	1.262	.0288
#1	-.0052	-.0080	.4869	.4992	.2249	.0505	.4808	.4949	.4940	.5111
#2	-.0038	-.0062	.4777	.4936	.2188	.0486	.4806	.4936	.4852	.5109

Elem	W_2397	Zn2062	Zr3391
Avg	.0010	3.259	.0034
Stddev	.0026	.031	.0004
%RSD	257.0	.9645	11.97
#1	.0028	3.282	.0036
#2	-.0008	3.237	.0031

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1366.0	54372.	10497.
Stddev	12.0	280.	18.
%RSD	.87919	.51576	.17507
#1	1357.5	54571.	10510.
#2	1374.5	54174.	10484.

Zoom In Zoom Out

Sample Name: MP21462-S4 Acquired: 8/7/2013 16:24:52 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1920	3.132	.5157	.0002	2.051	2.085	.5026	32.74	.5011	.5001
Stddev	.0017	.058	.0016	.0004	.001	.043	.0103	.65	.0006	.0005
%RSD	.8873	1.851	.3190	232.4	.0633	2.057	2.056	1.971	.1269	.0981
#1	.1908	3.091	.5169	-.0001	2.051	2.054	.4953	32.28	.5015	.5004
#2	.1932	3.173	.5146	.0005	2.050	2.115	.5099	33.20	.5006	.4997

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5137	1.248	5.485	29.05	24.60	.5703	.2976	32.42	.4969	1.500
Stddev	.0007	.001	.128	.50	.55	.0007	.0001	.64	.0009	.005
%RSD	.1278	.1076	2.332	1.705	2.223	.1179	.0412	1.985	.1801	.3474
#1	.5141	1.249	5.395	28.70	24.22	.5707	.2977	31.97	.4975	1.504
#2	.5132	1.247	5.576	29.40	24.99	.5698	.2975	32.88	.4962	1.496

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0027	-.0028	.4900	.4946	.3475	.0508	.5105	.4952	.4856	.5054
Stddev	.0010	.0017	.0002	.0011	.0003	.0006	.0106	.0002	.0018	.0007
%RSD	36.50	59.65	.0489	.2306	.0841	1.127	2.081	.0424	.3760	.1308
#1	-.0020	-.0016	.4901	.4938	.3477	.0512	.5029	.4951	.4869	.5059
#2	-.0034	-.0040	.4898	.4954	.3473	.0504	.5180	.4954	.4844	.5050

Elem	W_2397	Zn2062	Zr3391
Avg	-.0027	3.322	.0007
Stddev	.0066	.006	.0001
%RSD	243.2	.1822	22.76
#1	.0019	3.327	.0008
#2	-.0073	3.318	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1380.5	54678.	10194.
Stddev	.1	36.	180.
%RSD	.00371	.06594	1.7647
#1	1380.5	54703.	10322.
#2	1380.5	54652.	10067.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 16:29:05 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2481	9.984	2.007	-.0019	2.049	1.872	1.905	9.720	2.020	2.083
Stddev	.0012	.061	.004	.0002	.004	.006	.005	.048	.006	.005
%RSD	.4716	.6127	.2015	10.12	.1859	.3347	.2814	.4978	.2946	.2264
#1	.2490	10.03	2.010	-.0018	2.052	1.877	1.909	9.754	2.024	2.086
#2	.2473	9.941	2.005	-.0021	2.046	1.868	1.902	9.686	2.015	2.080

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.945	2.012	9.481	9.639	9.208	1.988	2.005	10.01	1.939	1.939
Stddev	.001	.001	.025	.003	.077	.002	.001	.04	.003	.005
%RSD	.0482	.0234	.2620	.0321	.8400	.1163	.0482	.3601	.1440	.2448
#1	1.945	2.013	9.499	9.641	9.263	1.987	2.006	10.04	1.941	1.942
#2	1.946	2.012	9.464	9.637	9.153	1.990	2.004	9.986	1.937	1.936

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0006	.0016	2.024	2.011	.1591	2.001	1.988	1.981	2.017	1.998
Stddev	.0004	.0006	.005	.006	.0028	.002	.007	.002	.003	.001
%RSD	67.48	37.68	.2721	.2808	1.787	.1093	.3790	.0945	.1247	.0667
#1	-.0003	.0020	2.028	2.015	.1611	2.002	1.993	1.980	2.015	1.999
#2	-.0009	.0012	2.020	2.007	.1571	1.999	1.983	1.983	2.018	1.997

Elem	W_2397	Zn2062	Zr3391
Avg	.0051	1.910	-.0031
Stddev	.0029	.004	.0004
%RSD	56.54	.2374	11.87
#1	.0072	1.913	-.0028
#2	.0031	1.907	-.0033

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1366.3	54328.	10774.
Stddev	5.8	72.	108.
%RSD	.42507	.13241	1.0069
#1	1362.2	54277.	10697.
#2	1370.5	54379.	10851.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 16:33:17 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	-.0013	.0012	.0012	.0051	.0000	.0001	-.0015	-.0001	.0002
Stddev	.0005	.0047	.0003	.0002	.0007	.000	.0002	.0021	.0000	.0001
%RSD	938.5	365.1	21.65	19.90	13.59	192.8	145.7	134.7	44.82	40.90
#1	.0003	.0020	.0010	.0010	.0055	-.0001	.0002	-.0001	-.0001	.0003
#2	-.0004	-.0046	.0014	.0014	.0046	.0000	.0000	-.0030	.0000	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0004	-.0009	.0715	-.0201	.0000	.0023	.0033	.0002	.0002
Stddev	.0003	.0009	.0004	.0311	.0141	.000	.0005	.0014	.0003	.0002
%RSD	197.1	205.9	49.76	43.58	70.15	251.8	20.74	41.49	146.1	81.36
#1	-.0004	.0011	-.0006	.0935	-.0102	-.0001	.0026	.0043	.0000	.0003
#2	.0001	-.0002	-.0012	.0494	-.0301	.0000	.0019	.0023	.0004	.0001

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0015	-.0026	.0020	.0011	.0116	.0006	-.0001	-.0003	-.0008	.0003
Stddev	.0007	.0075	.0006	.0007	.0014	.0002	.0000	.0005	.0003	.0004
%RSD	43.44	286.4	32.06	65.62	12.19	37.80	4.049	133.5	36.83	109.8
#1	-.0010	.0027	.0015	.0016	.0106	.0008	-.0001	.0000	-.0006	.0001
#2	-.0020	-.0079	.0024	.0006	.0126	.0005	-.0001	-.0007	-.0010	.0006

Elem	W_2397	Zn2062	Zr3391
Avg	-.0002	.0001	.0000
Stddev	.0081	.0001	.0003
%RSD	3490.	143.9	3675.
#1	.0055	.0000	-.0002
#2	-.0059	.0001	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1384.2	55624.	10607.
Stddev	20.8	304.	65.
%RSD	1.5005	.54695	.60912
#1	1398.9	55409.	10653.
#2	1369.5	55839.	10562.

Zoom In Zoom Out

Sample Name: MC23230-1 Acquired: 8/7/2013 16:37:41 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0001	.2838	.0020	.0014	.1517	.0858	.0001	5.453
Stddev	.0002	.0068	.0001	.0005	.0003	.0005	.0000	.014
%RSD	134.6	2.386	6.890	32.95	.2181	.5323	31.24	.2508
#1	.0003	.2886	.0019	.0011	.1519	.0855	.0001	5.463
#2	.0000	.2790	.0021	.0017	.1515	.0861	.0002	5.443

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0008	.0005	.0090	.8604	1.969	.8132	.1178	.0800
Stddev	.0000	.0002	.0005	.0026	.001	.0353	.0098	.0003
%RSD	5.823	45.99	5.626	.3079	.0325	4.340	8.357	.3342
#1	.0008	.0006	.0086	.8585	1.969	.8381	.1108	.0798
#2	.0008	.0003	.0093	.8623	1.970	.7882	.1247	.0802

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.1618	.8648	.0346	.5124	-.0032	-.0035	.0048	.0053
Stddev	.0002	.0080	.0002	.0003	.0003	.0027	.0008	.0007
%RSD	.1243	.9221	.6746	.0658	10.71	76.78	16.11	13.16
#1	.1616	.8704	.0348	.5127	-.0030	-.0054	.0043	.0049
#2	.1619	.8591	.0344	.5122	-.0034	-.0016	.0053	.0058

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	.1815	.0512	.0064	.0206	F-.0059	.0018	-.0027	2.696
Stddev	.0001	.0004	.0000	.0007	.0000	.0001	.0022	.000
%RSD	.0628	.8766	.1895	3.482	.1632	5.575	80.30	.0027
#1	.1814	.0509	.0064	.0201	-.0059	.0017	-.0042	2.696
#2	.1815	.0516	.0063	.0211	-.0059	.0018	-.0012	2.696

Elem	Zr3391
Avg	.0006
Stddev	.0003
%RSD	48.66
#1	.0008
#2	.0004

Zoom In Zoom Out

Sample Name: MC23230-1 Acquired: 8/7/2013 16:37:41 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1402.5	54992.	10649.
Stddev	1.5	153.	45.
%RSD	.10672	.27895	.41917
#1	1401.4	54884.	10617.
#2	1403.5	55101.	10680.

Zoom In Zoom Out

Sample Name: MC23230-2 Acquired: 8/7/2013 16:42:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0004	.2704	.0023	.0007	.1913	.2373	.0001	6.042
Stddev	.0001	.0123	.0011	.0013	.0010	.0057	.0001	.029
%RSD	22.41	4.533	46.04	180.9	.5165	2.390	111.0	.4713
#1	.0005	.2791	.0030	.0017	.1920	.2413	.0001	6.062
#2	.0003	.2618	.0015	-.0002	.1906	.2333	.0000	6.022

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0030	.0002	.0080	.9254	1.513	.6589	.1194	.0510
Stddev	.0001	.0003	.0001	.0041	.012	.0074	.0190	.0009
%RSD	4.410	124.5	1.143	.4443	.8126	1.124	15.87	1.707
#1	.0029	.0000	.0081	.9225	1.521	.6537	.1328	.0504
#2	.0031	.0004	.0080	.9283	1.504	.6641	.1060	.0516

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.1511	.8448	.0274	.6633	-.0021	-.0048	.0052	.0056
Stddev	.0003	.0091	.0001	.0004	.0012	.0044	.0004	.0008
%RSD	.1927	1.077	.3826	.0573	59.50	93.15	6.819	14.04
#1	.1513	.8513	.0273	.6636	-.0012	-.0079	.0055	.0062
#2	.1509	.8384	.0274	.6631	-.0029	-.0016	.0050	.0051

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	.1216	.0521	.0103	.0110	F-.0083	.0009	-.0025	2.822
Stddev	.0008	.0002	.0000	.0005	.0013	.0002	.0007	.001
%RSD	.6925	.3994	.1819	4.556	15.12	18.91	27.55	.0500
#1	.1222	.0520	.0103	.0107	-.0092	.0010	-.0020	2.823
#2	.1210	.0523	.0103	.0114	-.0074	.0008	-.0029	2.821

Elem	Zr3391
Avg	.0004
Stddev	.0001
%RSD	20.51
#1	.0004
#2	.0005

Zoom In Zoom Out

Sample Name: MC23230-2 Acquired: 8/7/2013 16:42:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1389.9	54781.	10725.
Stddev	2.5	117.	196.
%RSD	.18218	.21288	1.8229
#1	1391.7	54699.	10587.
#2	1388.1	54863.	10863.

Zoom In Zoom Out

Sample Name: MC23230-3 Acquired: 8/7/2013 16:46:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0004	.5196	.0018	.0018	.5969	.1611	.0000	6.776
Stddev	.0002	.0029	.0011	.0006	.0005	.0008	.000	.020
%RSD	42.28	.5658	59.90	30.56	.0857	.4826	3168.	.2979
#1	.0006	.5217	.0025	.0014	.5966	.1617	.0000	6.791
#2	.0003	.5175	.0010	.0022	.5973	.1606	-.0001	6.762

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0018	.0006	.0123	.8035	2.522	2.509	.3811	.0656
Stddev	.0002	.0001	.0000	.0015	.009	.015	.0227	.0003
%RSD	12.81	13.89	.2576	.1881	.3762	.5838	5.967	.4880
#1	.0020	.0005	.0124	.8024	2.515	2.520	.3972	.0653
#2	.0017	.0006	.0123	.8046	2.528	2.499	.3651	.0658

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.2324	4.327	.0301	.5463	-.0019	-.0080	.0111	.0054
Stddev	.0000	.035	.0002	.0015	.0010	.0051	.0004	.0003
%RSD	.0092	.8054	.5063	.2670	50.58	63.41	3.992	5.081
#1	.2324	4.351	.0302	.5474	-.0012	-.0044	.0108	.0052
#2	.2324	4.302	.0300	.5453	-.0026	-.0116	.0115	.0056

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	.2879	.0546	.0092	.0303	F-.0062	.0014	-.0001	2.881
Stddev	.0012	.0003	.0000	.0004	.0018	.0003	.0035	.007
%RSD	.4252	.5887	.4742	1.342	29.02	22.93	5498.	.2476
#1	.2888	.0548	.0093	.0300	-.0075	.0016	-.0025	2.876
#2	.2870	.0544	.0092	.0306	-.0049	.0011	.0024	2.886

Elem	Zr3391
Avg	.0008
Stddev	.0000
%RSD	4.537
#1	.0007
#2	.0008

Zoom In Zoom Out

Sample Name: MC23230-3 Acquired: 8/7/2013 16:46:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1389.1	54792.	10667.
Stddev	3.6	131.	6.
%RSD	.25665	.23900	.06082
#1	1391.6	54700.	10672.
#2	1386.5	54885.	10663.

Zoom In Zoom Out

Sample Name: MC23172-16 Acquired: 8/7/2013 16:50:40 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	153.4	.0877	-.0015	.1743	.5469	.0084	367.8	.0036	.1274
Stddev	.0003	.2	.0001	.0004	.0000	.0014	.0001	.7	.0002	.0000
%RSD	59.04	.1235	.1041	23.11	.0159	.2626	.8383	.1990	5.510	.0231
#1	-.0003	153.6	.0876	-.0013	.1743	.5479	.0085	367.3	.0035	.1274
#2	-.0008	153.3	.0878	-.0018	.1743	.5459	.0084	368.3	.0038	.1274

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2182	.2435	217.0	33.20	131.0	2.604	.0303	1.174	.3083	.1220
Stddev	.0021	.0036	.4	.02	.3	.007	.0001	.006	.0002	.0010
%RSD	.9600	1.479	.2054	.0721	.2066	.2596	.2475	.5460	.0777	.7983
#1	.2167	.2409	217.3	33.18	131.2	2.609	.0303	1.170	.3084	.1227
#2	.2197	.2460	216.7	33.21	130.8	2.599	.0304	1.179	.3081	.1213

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0298	-.0027	.0002	-.0014	5.381	.0078	.4642	1.050	.0064	.3283
Stddev	.0003	.0019	.0006	.0012	.006	.0010	.0002	.002	.0030	.0035
%RSD	.8686	71.59	265.7	83.36	.1137	12.59	.0398	.1908	45.89	1.059
#1	-.0299	-.0040	-.0002	-.0006	5.386	.0085	.4643	1.051	.0044	.3258
#2	-.0296	-.0013	.0007	-.0022	5.377	.0071	.4640	1.048	.0085	.3307

Elem	W_2397	Zn2062	Zr3391
Avg	-.0037	.5782	.1024
Stddev	.0055	.0005	.0015
%RSD	149.4	.0885	1.508
#1	-.0076	.5786	.1013
#2	.0002	.5778	.1035

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1451.1	58693.	11952.
Stddev	2.0	247.	21.
%RSD	.13917	.42104	.17354
#1	1449.7	58518.	11966.
#2	1452.5	58868.	11937.

Zoom In Zoom Out

Sample Name: MC23251-3A Acquired: 8/7/2013 16:55:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	39.96	.0110	-.0020	.0161	.1815	.0019	6.158	.0003	.0415
Stddev	.0001	.74	.0011	.0006	.0003	.0030	.0000	.045	.0001	.0002
%RSD	37.17	1.861	9.829	31.46	1.659	1.666	.3173	.7384	22.74	.4758
#1	-.0002	39.44	.0118	-.0016	.0163	.1794	.0019	6.126	.0002	.0414
#2	-.0004	40.49	.0103	-.0025	.0159	.1837	.0019	6.190	.0003	.0417

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0619	.0578	66.23	7.622	15.02	2.516	.0013	.4516	.0977	.0248
Stddev	.0012	.0011	1.25	.071	.13	.004	.0002	.0069	.0002	.0013
%RSD	1.873	1.911	1.889	.9373	.8942	.1555	19.07	1.520	.2350	5.154
#1	.0611	.0570	65.35	7.571	14.93	2.513	.0014	.4468	.0976	.0239
#2	.0628	.0586	67.12	7.672	15.12	2.519	.0011	.4565	.0979	.0257

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0021	.0058	-.0002	-.0005	1.691	.0028	.0385	2.865	-.0012	.1007
Stddev	.0017	.0013	.0008	.0010	.002	.0001	.0002	.000	.0013	.0005
%RSD	77.63	21.92	370.3	218.0	.0905	2.959	.6138	.0004	108.3	.5414
#1	-.0033	.0049	.0003	-.0012	1.692	.0028	.0384	2.865	-.0003	.1003
#2	-.0010	.0066	-.0008	.0002	1.690	.0029	.0387	2.865	-.0022	.1011

Elem	W_2397	Zn2062	Zr3391
Avg	-.0053	.1331	.0094
Stddev	.0021	.0001	.0001
%RSD	40.47	.0706	.8573
#1	-.0038	.1331	.0094
#2	-.0068	.1332	.0093

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1426.6	56924.	11175.
Stddev	4.9	323.	232.
%RSD	.34506	.56669	2.0756
#1	1423.1	57152.	11339.
#2	1430.1	56696.	11011.

Zoom In Zoom Out

Sample Name: MC23251-4A Acquired: 8/7/2013 16:59:20 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	37.34	.0102	-.0011	.0098	.1809	.0017	9.666	.0004	.0334
Stddev	.0001	.27	.0007	.0000	.0003	.0012	.0001	.080	.0001	.0002
%RSD	55.97	.7118	6.455	4.243	3.067	.6371	6.043	.8280	16.80	.6920
#1	-.0002	37.52	.0107	-.0011	.0100	.1817	.0018	9.722	.0003	.0332
#2	-.0001	37.15	.0098	-.0011	.0095	.1801	.0016	9.609	.0004	.0336

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0584	.0525	64.68	7.317	13.54	1.679	.0008	.5503	.0770	.0288
Stddev	.0003	.0006	.40	.103	.22	.007	.0002	.0015	.0004	.0008
%RSD	.5190	1.232	.6202	1.407	1.615	.4321	23.08	.2649	.5245	2.704
#1	.0582	.0521	64.97	7.389	13.70	1.674	.0007	.5513	.0767	.0282
#2	.0586	.0530	64.40	7.244	13.39	1.684	.0009	.5493	.0773	.0293

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0036	.0072	.0010	.0005	2.083	.0025	.0421	2.829	-.0010	.0991
Stddev	.0014	.0043	.0006	.0003	.004	.0001	.0004	.010	.0002	.0021
%RSD	40.76	59.69	62.56	50.19	.1952	4.036	.9669	.3562	16.15	2.109
#1	-.0046	.0042	.0014	.0003	2.086	.0026	.0424	2.822	-.0009	.0976
#2	-.0025	.0103	.0005	.0007	2.080	.0025	.0418	2.836	-.0012	.1006

Elem	W_2397	Zn2062	Zr3391
Avg	-.0001	.1357	.0102
Stddev	.0017	.0002	.0002
%RSD	1700.	.1434	2.234
#1	.0011	.1356	.0103
#2	-.0013	.1358	.0100

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1431.2	57508.	11131.
Stddev	.1	190.	4.
%RSD	.00468	.33063	.03696
#1	1431.2	57643.	11134.
#2	1431.3	57374.	11128.

Zoom In Zoom Out

Sample Name: MC23256-1 Acquired: 8/7/2013 17:03:39 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	117.1	.0217	-.0045	.2356	1.153	.0088	192.2	.0015	.1194
Stddev	.0002	.7	.0016	.0017	.0011	.005	.0001	1.2	.0002	.0002
%RSD	878.5	.5671	7.345	37.41	.4713	.4408	.8628	.6311	14.66	.1336
#1	-.0001	117.5	.0206	-.0057	.2363	1.157	.0088	193.1	.0017	.1195
#2	.0002	116.6	.0228	-.0033	.2348	1.150	.0089	191.4	.0014	.1193

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2732	3.260	206.1	32.31	78.69	5.679	.0040	4.539	.2649	.1272
Stddev	.0036	.012	1.4	.27	.43	.036	.0003	.035	.0002	.0000
%RSD	1.315	.3529	.6837	.8365	.5527	.6338	8.500	.7609	.0902	.0292
#1	.2707	3.252	207.1	32.50	78.99	5.705	.0037	4.564	.2647	.1272
#2	.2758	3.268	205.1	32.12	78.38	5.654	.0042	4.515	.2651	.1273

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0149	.0158	.0002	-.0032	4.230	.0113	.4527	3.947	.0029	.2969
Stddev	.0018	.0031	.0001	.0006	.000	.0003	.0020	.010	.0010	.0025
%RSD	12.23	19.77	28.12	18.88	.0030	2.696	.4363	.2565	36.79	.8300
#1	-.0136	.0136	.0002	-.0027	4.230	.0111	.4541	3.939	.0021	.2951
#2	-.0162	.0181	.0002	-.0036	4.230	.0115	.4513	3.954	.0036	.2986

Elem	W_2397	Zn2062	Zr3391
Avg	-.0026	1.521	.0624
Stddev	.0104	.002	.0012
%RSD	394.4	.1010	1.942
#1	.0047	1.522	.0616
#2	-.0100	1.520	.0633

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1482.1	60023.	11809.
Stddev	4.5	101.	178.
%RSD	.30350	.16836	1.5041
#1	1478.9	59952.	11684.
#2	1485.3	60095.	11935.

Zoom In Zoom Out

Sample Name: MC23218-3 Acquired: 8/7/2013 17:08:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0010	97.49	.1294	-.0017	.0297	.4646	.0051	5.365	.0031	.0905
Stddev	.0003	.07	.0001	.0010	.0006	.0000	.0001	.062	.0002	.0009
%RSD	31.41	.0729	.0924	58.77	1.966	.0017	2.847	1.157	5.309	.9682
#1	-.0008	97.44	.1293	-.0010	.0301	.4646	.0052	5.409	.0030	.0911
#2	-.0013	97.54	.1295	-.0025	.0293	.4646	.0050	5.321	.0032	.0899

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1134	.2126	218.0	8.507	19.60	3.037	.0212	.4333	.1852	.5109
Stddev	.0012	.0001	.0	.057	.24	.018	.0004	.0009	.0015	.0045
%RSD	1.088	.0694	.0177	.6702	1.204	.5981	2.082	.2040	.8095	.8847
#1	.1143	.2125	218.0	8.547	19.77	3.050	.0215	.4339	.1863	.5141
#2	.1125	.2127	217.9	8.466	19.44	3.024	.0209	.4327	.1842	.5077

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0043	.0014	.0001	.0006	4.908	.0058	.0679	1.717	.0010	.2077
Stddev	.0002	.0007	.0007	.0000	.021	.0004	.0007	.009	.0004	.0025
%RSD	5.130	51.09	1282.	3.888	.4179	6.240	1.039	.5540	44.77	1.223
#1	-.0044	.0019	-.0005	.0006	4.923	.0061	.0684	1.724	.0013	.2095
#2	-.0041	.0009	.0006	.0006	4.894	.0056	.0674	1.710	.0007	.2059

Elem	W_2397	Zn2062	Zr3391
Avg	-.0003	.6801	.0557
Stddev	.0028	.0011	.0009
%RSD	853.2	.1588	1.560
#1	-.0023	.6808	.0564
#2	.0016	.6793	.0551

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1494.4	59770.	11659.
Stddev	2.3	732.	30.
%RSD	.15268	1.2247	.25903
#1	1492.8	59253.	11681.
#2	1496.0	60288.	11638.

Zoom In Zoom Out

Sample Name: MC23218-4 Acquired: 8/7/2013 17:12:17 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0010	83.25	.0855	-.0037	.0726	.6853	.0051	259.6	.0038	.0897
Stddev	.0001	.60	.0003	.0012	.0005	.0058	.0000	2.7	.0000	.0001
%RSD	13.27	.7236	.3462	32.24	.6448	.8512	.2868	1.025	.1038	.1541
#1	-.0009	82.83	.0858	-.0028	.0723	.6812	.0051	257.8	.0039	.0896
#2	-.0010	83.68	.0853	-.0045	.0729	.6895	.0051	261.5	.0038	.0898

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1303	.1941	180.0	12.75	140.5	4.154	.0206	3.554	.2251	.1053
Stddev	.0004	.0011	1.5	.16	1.4	.005	.0001	.039	.0010	.0003
%RSD	.2961	.5806	.8301	1.232	.9775	.1310	.3474	1.094	.4290	.2430
#1	.1300	.1933	178.9	12.64	139.5	4.150	.0207	3.526	.2244	.1055
#2	.1306	.1948	181.0	12.86	141.5	4.158	.0205	3.581	.2258	.1051

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0187	.0084	.0002	-.0031	6.514	.0039	.3457	1.438	.0023	.1969
Stddev	.0006	.0060	.0006	.0001	.014	.0007	.0033	.001	.0007	.0001
%RSD	3.056	71.31	274.9	3.026	.2179	18.90	.9450	.0435	32.03	.0658
#1	-.0191	.0042	-.0002	-.0032	6.504	.0044	.3434	1.438	.0018	.1969
#2	-.0183	.0127	.0006	-.0031	6.524	.0033	.3480	1.437	.0029	.1968

Elem	W_2397	Zn2062	Zr3391
Avg	-.0053	.5801	.0700
Stddev	.0029	.0010	.0010
%RSD	54.64	.1712	1.363
#1	-.0074	.5794	.0693
#2	-.0033	.5808	.0706

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1441.5	57994.	11515.
Stddev	.6	52.	77.
%RSD	.04373	.08996	.66771
#1	1442.0	57957.	11569.
#2	1441.1	58031.	11460.

Zoom In Zoom Out

Sample Name: MC23218-5 Acquired: 8/7/2013 17:16:44 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	94.99	.0791	-.0019	.0298	.9371	.0063	8.534	.0029	.0842
Stddev	.0004	.18	.0023	.0022	.0000	.0016	.0002	.002	.0002	.0004
%RSD	61.99	.1894	2.908	117.9	.0223	.1689	2.591	.0195	6.056	.4165
#1	-.0004	94.86	.0775	-.0003	.0298	.9360	.0064	8.532	.0027	.0845
#2	-.0010	95.11	.0808	-.0035	.0298	.9382	.0061	8.535	.0030	.0840

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1090	.1469	155.8	8.969	15.38	2.680	.0124	.5212	.1602	.0974
Stddev	.0017	.0022	.1	.053	.14	.004	.0000	.0107	.0002	.0008
%RSD	1.576	1.502	.0491	.5910	.9116	.1605	.0527	2.058	.1229	.8715
#1	.1102	.1484	155.7	9.007	15.48	2.683	.0124	.5136	.1603	.0968
#2	.1078	.1453	155.8	8.932	15.28	2.677	.0124	.5288	.1600	.0980

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0026	.0014	-.0003	.0018	7.246	.0057	.0587	1.240	-.0002	.1833
Stddev	.0005	.0036	.0001	.0005	.018	.0004	.0007	.002	.0022	.0015
%RSD	19.05	251.1	33.19	28.06	.2491	6.680	1.209	.1959	1428.	.8033
#1	-.0023	-.0011	-.0003	.0021	7.234	.0054	.0592	1.241	-.0017	.1843
#2	-.0030	.0039	-.0004	.0014	7.259	.0059	.0582	1.238	.0014	.1823

Elem	W_2397	Zn2062	Zr3391
Avg	-.0091	.4863	.0348
Stddev	.0072	.0010	.0012
%RSD	78.55	.2114	3.455
#1	-.0041	.4856	.0357
#2	-.0142	.4870	.0340

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1612.1	64440.	12638.
Stddev	.9	177.	17.
%RSD	.05380	.27480	.13751
#1	1612.7	64315.	12650.
#2	1611.5	64565.	12625.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 17:21:00 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2477	10.02	2.021	-.0025	2.053	1.870	1.908	9.732	2.032	2.096
Stddev	.0000	.15	.005	.0006	.007	.020	.019	.081	.006	.008
%RSD	.0007	1.452	.2634	24.64	.3333	1.059	.9970	.8358	.3183	.3623
#1	.2477	9.917	2.024	-.0030	2.058	1.856	1.895	9.674	2.037	2.101
#2	.2477	10.12	2.017	-.0021	2.048	1.884	1.922	9.790	2.027	2.090

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.960	2.011	9.408	9.646	9.194	2.001	2.015	9.995	1.942	1.949
Stddev	.000	.000	.141	.161	.014	.003	.005	.105	.004	.005
%RSD	.0192	.0124	1.504	1.673	.1567	.1383	.2726	1.050	.2247	.2362
#1	1.961	2.011	9.308	9.532	9.184	2.003	2.019	9.921	1.945	1.952
#2	1.960	2.011	9.508	9.760	9.204	1.999	2.011	10.07	1.939	1.946

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0001	-.0025	2.027	2.019	.1438	2.005	1.986	1.989	2.033	2.014
Stddev	.0007	.0042	.006	.008	.0012	.004	.020	.002	.004	.001
%RSD	754.6	169.9	.2967	.3939	.8087	.2165	1.002	.0785	.1741	.0501
#1	.0004	-.0054	2.031	2.025	.1446	2.008	1.972	1.990	2.036	2.015
#2	-.0006	.0005	2.022	2.013	.1430	2.002	2.000	1.988	2.031	2.014

Elem	W_2397	Zn2062	Zr3391
Avg	-.0003	1.934	.0011
Stddev	.0038	.007	.0009
%RSD	1433.	.3470	78.67
#1	-.0029	1.939	.0017
#2	.0024	1.929	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1362.5	54049.	10623.
Stddev	5.0	125.	166.
%RSD	.36721	.23131	1.5667
#1	1359.0	53961.	10740.
#2	1366.1	54138.	10505.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 17:25:12 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	-.0023	.0011	.0003	.0045	-.0002	.0001	-.0012	.0001	.0003
Stddev	.0008	.0081	.0007	.0011	.0012	.0000	.0000	.0009	.0000	.0000
%RSD	232.2	354.4	63.04	357.3	27.38	1.831	28.28	78.34	8.623	10.96
#1	.0002	.0035	.0016	-.0005	.0054	-.0002	.0001	-.0005	.0001	.0003
#2	-.0009	-.0081	.0006	.0011	.0036	-.0002	.0002	-.0018	.0001	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	-.0004	.0003	.0477	-.0366	.0000	.0024	.0013	-.0001	.0016
Stddev	.0005	.0006	.0001	.0073	.0005	.0001	.0006	.0099	.0002	.0007
%RSD	154.1	135.4	24.89	15.23	1.273	113.6	26.58	755.9	179.4	43.98
#1	-.0007	-.0009	.0002	.0426	-.0363	.0001	.0029	-.0057	-.0003	.0021
#2	.0000	.0000	.0003	.0528	-.0369	.0000	.0020	.0083	.0000	.0011

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0016	-.0089	.0017	.0007	.0102	.0008	.0000	.0002	.0006	.0004
Stddev	.0009	.0014	.0007	.0001	.0003	.0001	.000	.0003	.0029	.0000
%RSD	55.75	16.10	39.63	20.79	2.514	10.30	141.9	134.7	503.0	8.171
#1	-.0022	-.0099	.0012	.0006	.0104	.0009	.0000	.0004	-.0015	.0004
#2	-.0009	-.0079	.0021	.0008	.0101	.0008	-.0001	.0000	.0026	.0004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0038	.0002	.0000
Stddev	.0007	.0002	.0001
%RSD	19.45	111.2	171.6
#1	-.0033	.0000	.0000
#2	-.0043	.0004	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1377.8	54805.	10550.
Stddev	1.7	221.	248.
%RSD	.12653	.40393	2.3553
#1	1379.0	54961.	10725.
#2	1376.5	54648.	10374.

Zoom In Zoom Out

Sample Name: MC23218-6 Acquired: 8/7/2013 17:29:36 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	96.11	.1231	-.0054	.0828	.6280	.0058	176.5	.0045	.1050
Stddev	.0002	.55	.0023	.0017	.0000	.0021	.0000	1.2	.0002	.0002
%RSD	32.11	.5765	1.829	31.64	.0174	.3281	.1370	.6769	4.517	.2331
#1	-.0008	95.72	.1247	-.0066	.0828	.6266	.0058	175.6	.0046	.1052
#2	-.0005	96.51	.1216	-.0042	.0828	.6295	.0058	177.3	.0043	.1048

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1390	.2180	220.9	14.92	91.22	5.009	.0284	1.604	.2529	.1201
Stddev	.0006	.0031	1.4	.19	.95	.040	.0003	.028	.0000	.0002
%RSD	.4646	1.404	.6354	1.252	1.042	.8035	1.182	1.720	.0151	.1529
#1	.1385	.2158	219.9	14.79	90.55	4.980	.0287	1.584	.2529	.1200
#2	.1394	.2202	221.8	15.06	91.90	5.037	.0282	1.623	.2529	.1203

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0140	.0054	.0014	-.0017	7.064	.0057	.2657	1.494	.0009	.2161
Stddev	.0015	.0009	.0005	.0005	.007	.0002	.0009	.001	.0017	.0022
%RSD	10.54	16.97	33.91	27.39	.0965	3.246	.3400	.0478	193.0	.9982
#1	-.0130	.0060	.0010	-.0013	7.069	.0058	.2651	1.494	.0020	.2146
#2	-.0151	.0047	.0017	-.0020	7.059	.0055	.2663	1.493	-.0003	.2176

Elem	W_2397	Zn2062	Zr3391
Avg	-.0021	.6585	.0671
Stddev	.0077	.0008	.0013
%RSD	359.2	.1231	1.878
#1	-.0076	.6590	.0662
#2	.0033	.6579	.0680

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1470.1	59312.	11624.
Stddev	3.2	93.	191.
%RSD	.21713	.15601	1.6396
#1	1467.8	59378.	11759.
#2	1472.4	59247.	11490.

Zoom In Zoom Out

Sample Name: MC23218-7 Acquired: 8/7/2013 17:33:58 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	86.70	.1047	-.0033	.0306	.4584	.0046	36.76	.0035	.0794
Stddev	.0000	.35	.0013	.0015	.0003	.0030	.0001	.21	.0001	.0001
%RSD	1.251	.3998	1.234	45.09	.8773	.6600	1.521	.5665	2.350	.1829
#1	-.0006	86.45	.1038	-.0043	.0304	.4562	.0045	36.62	.0034	.0795
#2	-.0006	86.94	.1056	-.0022	.0308	.4605	.0046	36.91	.0035	.0793

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1078	.1997	189.3	8.003	35.62	3.298	.0190	.5575	.1744	.1176
Stddev	.0028	.0042	.9	.065	.10	.074	.0000	.0078	.0013	.0008
%RSD	2.616	2.122	.4765	.8138	.2898	2.241	.1860	1.401	.7479	.6837
#1	.1058	.1967	188.7	7.957	35.54	3.246	.0190	.5519	.1735	.1181
#2	.1098	.2027	190.0	8.049	35.69	3.350	.0189	.5630	.1753	.1170

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0050	.0056	.0002	-.0006	3.905	.0047	.0852	1.372	-.0002	.1920
Stddev	.0010	.0022	.0007	.0010	.001	.0004	.0009	.030	.0004	.0028
%RSD	20.76	40.07	425.6	168.8	.0353	7.473	1.058	2.166	193.6	1.465
#1	-.0058	.0071	-.0003	.0001	3.906	.0045	.0846	1.351	.0001	.1901
#2	-.0043	.0040	.0007	-.0013	3.904	.0050	.0859	1.393	-.0004	.1940

Elem	W_2397	Zn2062	Zr3391
Avg	.0075	.6598	.0671
Stddev	.0045	.0005	.0019
%RSD	59.14	.0804	2.858
#1	.0107	.6602	.0657
#2	.0044	.6594	.0684

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1486.2	60545.	11616.
Stddev	2.5	1097.	3.
%RSD	.16564	1.8118	.02956
#1	1488.0	61321.	11614.
#2	1484.5	59770.	11619.

Zoom In Zoom Out

Sample Name: MC23218-8 Acquired: 8/7/2013 17:38:17 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0011	92.89	.1315	-.0058	.0760	3.999	.0057	118.7	.0041	.1008
Stddev	.0002	1.07	.0004	.0009	.0001	.042	.0001	1.4	.0001	.0002
%RSD	19.80	1.151	.3321	15.49	.1821	1.038	1.124	1.171	3.490	.2343
#1	-.0013	92.13	.1319	-.0052	.0759	3.970	.0057	117.7	.0042	.1010
#2	-.0010	93.65	.1312	-.0065	.0761	4.029	.0058	119.7	.0040	.1007

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1364	.3088	220.6	14.78	68.70	4.134	.0252	.6225	.2642	.1342
Stddev	.0017	.0004	2.3	.21	.91	.006	.0003	.0054	.0000	.0007
%RSD	1.243	.1203	1.048	1.436	1.331	.1574	1.328	.8682	.0077	.5241
#1	.1376	.3085	218.9	14.63	68.06	4.130	.0249	.6186	.2642	.1337
#2	.1352	.3090	222.2	14.93	69.35	4.139	.0254	.6263	.2642	.1347

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0099	.0095	.0005	-.0017	5.011	.0067	2.888	1.327	.0001	.2128
Stddev	.0022	.0003	.0001	.0008	.009	.0007	.011	.000	.0004	.0019
%RSD	21.90	3.662	9.872	44.14	.1787	10.01	.3837	.0299	416.8	.8712
#1	-.0114	.0092	.0006	-.0023	5.004	.0072	2.896	1.328	.0004	.2141
#2	-.0084	.0097	.0005	-.0012	5.017	.0062	2.880	1.327	-.0002	.2114

Elem	W_2397	Zn2062	Zr3391
Avg	.0069	.6674	.0784
Stddev	.0004	.0003	.0009
%RSD	6.456	.0381	1.134
#1	.0066	.6675	.0790
#2	.0073	.6672	.0778

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1481.4	60523.	11787.
Stddev	5.5	225.	155.
%RSD	.36927	.37177	1.3159
#1	1477.6	60364.	11897.
#2	1485.3	60682.	11678.

Zoom In Zoom Out

Sample Name: MC23218-9 Acquired: 8/7/2013 17:42:41 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0010	75.19	.1128	-.0032	.0421	.3746	.0045	66.41	.0041	.0810
Stddev	.0001	.36	.0020	.0010	.0009	.0016	.0001	.22	.0000	.0005
%RSD	8.101	.4806	1.780	32.96	2.196	.4247	2.264	.3347	.8108	.6122
#1	-.0009	75.45	.1114	-.0024	.0428	.3757	.0046	66.56	.0041	.0813
#2	-.0010	74.94	.1143	-.0039	.0415	.3734	.0044	66.25	.0041	.0806

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1017	.1886	188.8	8.891	49.48	4.251	.0197	.5453	.1833	.1065
Stddev	.0018	.0025	.7	.050	.11	.008	.0000	.0109	.0002	.0026
%RSD	1.756	1.324	.3692	.5603	.2138	.1872	.0012	1.997	.0966	2.431
#1	.1005	.1868	189.3	8.926	49.41	4.257	.0197	.5376	.1832	.1083
#2	.1030	.1903	188.3	8.856	49.56	4.246	.0197	.5530	.1835	.1046

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0078	.0126	.0014	-.0020	5.882	.0053	.0905	1.376	.0000	.1776
Stddev	.0012	.0038	.0004	.0011	.005	.0006	.0001	.002	.001	.0022
%RSD	14.76	30.06	27.94	56.66	.0887	11.20	.0984	.1296	4971.	1.257
#1	-.0070	.0099	.0017	-.0028	5.885	.0057	.0904	1.375	-.0007	.1760
#2	-.0086	.0153	.0012	-.0012	5.878	.0049	.0905	1.377	.0007	.1792

Elem	W_2397	Zn2062	Zr3391
Avg	.0007	.6178	.0629
Stddev	.0051	.0013	.0008
%RSD	716.6	.2043	1.269
#1	.0043	.6187	.0623
#2	-.0029	.6169	.0635

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1481.6	60097.	11818.
Stddev	3.5	115.	4.
%RSD	.23813	.19062	.03615
#1	1479.1	60178.	11821.
#2	1484.1	60016.	11815.

Zoom In Zoom Out

Sample Name: MC23218-10 Acquired: 8/7/2013 17:47:05 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0005	56.65	.0923	-.0041	.0629	.6887	.0034	F1603.
Stddev	.0007	.35	.0003	.0005	.0004	.0045	.0001	26.
%RSD	123.9	.6121	.2729	12.34	.7107	.6529	3.968	1.594
#1	-.0010	56.41	.0925	-.0038	.0632	.6856	.0033	1584.
#2	-.0001	56.90	.0921	-.0045	.0626	.6919	.0035	1621.

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0053	.0623	.1134	.1358	132.1	11.78	134.5	4.836
Stddev	.0001	.0001	.0002	.0013	.7	.13	.9	.038
%RSD	1.379	.1315	.1957	.9720	.4966	1.117	.6447	.7865
#1	.0054	.0624	.1132	.1367	131.6	11.68	133.9	4.809
#2	.0053	.0623	.1135	.1348	132.6	11.87	135.1	4.863

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0224	1.156	.1757	.1626	F-.0706	.0114	-.0001	.0008
Stddev	.0003	.026	.0000	.0016	.0001	.0012	.0009	.0003
%RSD	1.237	2.238	.0232	.9800	.0922	10.47	1341.	33.37
#1	.0226	1.138	.1757	.1615	-.0705	.0122	-.0007	.0006
#2	.0222	1.174	.1756	.1637	-.0706	.0105	.0006	.0009

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	5.515	.0084	2.542	.6657	.0100	.1844	.0056	.5958
Stddev	.002	.0002	.013	.0005	.0005	.0012	.0015	.0012
%RSD	.0295	2.135	.4935	.0730	5.360	.6279	26.19	.2059
#1	5.516	.0083	2.534	.6654	.0103	.1836	.0067	.5967
#2	5.514	.0085	2.551	.6660	.0096	.1853	.0046	.5950

Elem	Zr3391
Avg	.0526
Stddev	.0000
%RSD	.0752
#1	.0526
#2	.0526

Zoom In Zoom Out

Sample Name: MC23218-10 Acquired: 8/7/2013 17:47:05 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1338.5	54077.	11168.
Stddev	4.3	260.	73.
%RSD	.32492	.48148	.65077
#1	1335.5	54261.	11220.
#2	1341.6	53893.	11117.

Zoom In Zoom Out

Sample Name: MC23218-11 Acquired: 8/7/2013 17:51:32 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0011	77.87	.0380	-.0010	.0238	.7661	.0052	6.684	.0010	.0632
Stddev	.0008	.07	.0011	.0008	.0004	.0004	.0000	.055	.0002	.0004
%RSD	72.55	.0859	2.945	77.68	1.719	.0541	.3592	.8241	19.32	.6631
#1	-.0005	77.82	.0388	-.0016	.0241	.7664	.0051	6.723	.0009	.0629
#2	-.0017	77.92	.0372	-.0005	.0235	.7659	.0052	6.645	.0012	.0634

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0932	.0725	111.9	6.129	11.56	1.627	.0048	.2608	.1159	.0770
Stddev	.0016	.0014	.1	.097	.13	.005	.0001	.0000	.0002	.0005
%RSD	1.674	1.984	.0500	1.585	1.105	.2966	2.500	.0035	.1300	.6724
#1	.0943	.0735	111.9	6.198	11.65	1.631	.0049	.2608	.1160	.0773
#2	.0921	.0715	112.0	6.060	11.47	1.624	.0047	.2608	.1158	.0766

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0012	-.0020	.0000	.0006	4.281	.0053	.0670	1.013	-.0017	.1494
Stddev	.0000	.0009	.0002	.0004	.009	.0000	.0008	.002	.0002	.0028
%RSD	2.858	43.65	462.7	68.63	.1995	.7711	1.154	.1791	12.38	1.856
#1	-.0012	-.0014	-.0001	.0009	4.287	.0054	.0675	1.014	-.0016	.1514
#2	-.0011	-.0026	.0002	.0003	4.275	.0053	.0664	1.012	-.0019	.1475

Elem	W_2397	Zn2062	Zr3391
Avg	-.0062	.3348	.0262
Stddev	.0008	.0002	.0005
%RSD	12.23	.0542	2.055
#1	-.0067	.3349	.0265
#2	-.0056	.3347	.0258

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1544.4	61828.	12036.
Stddev	3.3	226.	35.
%RSD	.21226	.36606	.28732
#1	1546.7	61668.	12060.
#2	1542.1	61988.	12011.

Zoom In Zoom Out

Sample Name: MC23218-12 Acquired: 8/7/2013 17:55:50 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	95.33	.0927	-.0006	.0536	.7763	.0055	34.29	.0041	.0866
Stddev	.0004	1.62	.0009	.0002	.0001	.0131	.0000	.51	.0002	.0003
%RSD	67.06	1.701	.9608	27.47	.1860	1.686	.7177	1.487	5.534	.3348
#1	-.0010	94.18	.0921	-.0007	.0537	.7670	.0055	33.93	.0039	.0864
#2	-.0003	96.47	.0933	-.0005	.0535	.7855	.0055	34.66	.0042	.0868

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1333	.2309	189.1	12.20	26.70	2.638	.0217	.3077	.2035	.2762
Stddev	.0003	.0026	2.8	.14	.38	.009	.0003	.0038	.0011	.0006
%RSD	.2115	1.137	1.496	1.181	1.415	.3223	1.556	1.249	.5369	.2194
#1	.1335	.2291	187.1	12.10	26.43	2.644	.0214	.3050	.2027	.2758
#2	.1331	.2328	191.1	12.31	26.97	2.632	.0219	.3105	.2042	.2766

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0051	.0024	.0015	.0007	4.860	.0116	.1176	1.421	.0010	.2162
Stddev	.0031	.0043	.0009	.0008	.004	.0002	.0020	.004	.0007	.0011
%RSD	59.35	181.5	60.39	123.9	.0860	1.868	1.690	.2623	68.59	.5238
#1	-.0073	-.0007	.0021	.0001	4.857	.0115	.1162	1.423	.0015	.2154
#2	-.0030	.0054	.0008	.0012	4.863	.0118	.1190	1.418	.0005	.2170

Elem	W_2397	Zn2062	Zr3391
Avg	-.0046	.7983	.0738
Stddev	.0020	.0005	.0006
%RSD	42.71	.0650	.7887
#1	-.0032	.7980	.0734
#2	-.0059	.7987	.0742

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1497.8	60477.	11793.
Stddev	3.4	320.	172.
%RSD	.22414	.52872	1.4617
#1	1500.2	60251.	11915.
#2	1495.4	60703.	11672.

Zoom In Zoom Out

Sample Name: MC23218-13 Acquired: 8/7/2013 18:00:07 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0011	73.51	.0301	-.0118	.0188	.5910	.0040	11.30	.0015	.0543
Stddev	.0006	.48	.0015	.0009	.0003	.0050	.0000	.09	.0002	.0000
%RSD	50.29	.6539	5.120	7.909	1.486	.8404	.4352	.7636	14.22	.0817
#1	-.0007	73.85	.0290	-.0111	.0190	.5945	.0040	11.36	.0014	.0543
#2	-.0015	73.17	.0312	-.0124	.0186	.5875	.0040	11.24	.0017	.0543

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0878	.0621	97.37	5.210	10.28	11.81	.0034	.2996	.0991	.0734
Stddev	.0006	.0005	.61	.010	.05	.04	.0001	.0016	.0001	.0025
%RSD	.6467	.7247	.6271	.1867	.4870	.3312	4.027	.5286	.1449	3.404
#1	.0882	.0618	97.80	5.203	10.24	11.78	.0035	.2985	.0993	.0716
#2	.0874	.0624	96.93	5.217	10.32	11.84	.0033	.3007	.0990	.0752

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0052	.0479	-.0011	-.0012	4.330	.0045	.0530	.9516	.0004	.1363
Stddev	.0017	.0006	.0004	.0009	.001	.0004	.0001	.0018	.0004	.0004
%RSD	31.96	1.224	33.93	76.63	.0118	9.855	.2289	.1942	109.8	.2873
#1	-.0064	.0483	-.0014	-.0018	4.330	.0042	.0531	.9530	.0007	.1365
#2	-.0041	.0474	-.0008	-.0005	4.330	.0048	.0529	.9503	.0001	.1360

Elem	W_2397	Zn2062	Zr3391
Avg	-.0041	.2874	.0214
Stddev	.0011	.0009	.0002
%RSD	27.05	.3157	.7762
#1	-.0033	.2868	.0215
#2	-.0048	.2880	.0213

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1527.9	60530.	11783.
Stddev	.7	111.	21.
%RSD	.04285	.18353	.17670
#1	1528.4	60452.	11769.
#2	1527.4	60609.	11798.

Zoom In Zoom Out

Sample Name: MC23218-14 Acquired: 8/7/2013 18:04:29 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	81.28	.0959	-.0028	.0608	.6653	.0050	225.4	.0039	.0950
Stddev	.0006	.15	.0013	.0013	.0001	.0018	.0000	.3	.0001	.0000
%RSD	92.26	.1801	1.347	47.05	.0830	.2639	.7642	.1228	3.458	.0489
#1	-.0011	81.17	.0968	-.0037	.0607	.6641	.0050	225.3	.0039	.0950
#2	-.0002	81.38	.0950	-.0018	.0608	.6666	.0051	225.6	.0040	.0951

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1337	.2021	189.0	11.44	126.6	3.825	.0217	3.539	.2342	.1120
Stddev	.0011	.0024	.2	.04	.0	.011	.0002	.006	.0002	.0005
%RSD	.8176	1.205	.1318	.3402	.0095	.2871	1.046	.1796	.0835	.4481
#1	.1329	.2004	188.9	11.41	126.7	3.833	.0215	3.535	.2343	.1124
#2	.1345	.2039	189.2	11.47	126.6	3.817	.0218	3.544	.2340	.1117

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0183	.0098	.0023	-.0016	3.660	.0051	.3294	1.297	.0017	.1950
Stddev	.0009	.0004	.0018	.0007	.003	.0007	.0017	.002	.0011	.0024
%RSD	5.092	4.155	78.80	44.10	.0759	12.97	.5078	.1642	66.12	1.236
#1	-.0190	.0095	.0036	-.0021	3.662	.0046	.3282	1.295	.0009	.1933
#2	-.0177	.0100	.0010	-.0011	3.658	.0056	.3306	1.298	.0024	.1967

Elem	W_2397	Zn2062	Zr3391
Avg	-.0041	.6008	.0761
Stddev	.0002	.0002	.0022
%RSD	5.933	.0346	2.862
#1	-.0040	.6010	.0746
#2	-.0043	.6007	.0777

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1445.8	58902.	11785.
Stddev	2.2	148.	53.
%RSD	.15236	.25090	.44755
#1	1447.3	59007.	11748.
#2	1444.2	58798.	11822.

Zoom In Zoom Out

Sample Name: MP21457-B1 Acquired: 8/7/2013 18:08:52 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1880	1.963	.5122	.0001	.0030	1.795	.4701	22.89	.4974	.4952
Stddev	.0029	.154	.0040	.0004	.0001	.156	.0409	1.96	.0037	.0038
%RSD	1.559	7.828	.7766	416.0	3.603	8.706	8.710	8.571	.7475	.7707
#1	.1901	1.855	.5094	.0004	.0029	1.685	.4412	21.50	.4948	.4925
#2	.1859	2.072	.5150	-.0002	.0030	1.906	.4991	24.27	.5001	.4979

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4786	.4561	1.814	23.12	22.25	.4609	.0003	23.97	.4611	.9374
Stddev	.0135	.0066	.156	1.81	1.93	.0076	.0001	2.01	.0036	.0055
%RSD	2.812	1.449	8.619	7.816	8.671	1.651	37.99	8.389	.7782	.5875
#1	.4881	.4608	1.704	21.84	20.89	.4662	.0004	22.55	.4585	.9335
#2	.4691	.4514	1.925	24.39	23.62	.4555	.0002	25.39	.4636	.9413

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0024	-.0021	.4880	.4840	.0366	.0057	.4596	.4572	.4847	.4893
Stddev	.0012	.0018	.0049	.0050	.0016	.0002	.0392	.0068	.0027	.0168
%RSD	48.53	85.35	.9950	1.035	4.349	4.067	8.531	1.482	.5514	3.427
#1	-.0016	-.0034	.4846	.4805	.0355	.0058	.4319	.4620	.4828	.5012
#2	-.0033	-.0008	.4914	.4876	.0378	.0055	.4874	.4524	.4866	.4775

Elem	W_2397	Zn2062	Zr3391
Avg	-.0012	.4847	.0059
Stddev	.0021	.0036	.0007
%RSD	169.6	.7344	12.48
#1	-.0027	.4822	.0064
#2	.0002	.4872	.0054

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1373.8	55631.	10575.
Stddev	5.3	827.	720.
%RSD	.38816	1.4869	6.8093
#1	1377.6	55046.	11084.
#2	1370.0	56216.	10066.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 18:13:07 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2497	10.14	2.031	-.0016	2.050	1.896	1.937	9.931	2.033	2.103
Stddev	.0006	.20	.010	.0008	.003	.036	.034	.158	.006	.007
%RSD	.2284	1.927	.4898	51.69	.1616	1.880	1.746	1.595	.2821	.3579
#1	.2493	10.27	2.038	-.0022	2.052	1.921	1.961	10.04	2.037	2.108
#2	.2501	9.999	2.024	-.0010	2.047	1.871	1.913	9.819	2.029	2.098

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.973	2.014	9.598	9.717	9.417	2.012	2.022	10.12	1.953	1.958
Stddev	.002	.001	.181	.147	.140	.002	.005	.17	.005	.005
%RSD	.1173	.0351	1.890	1.518	1.484	.1063	.2519	1.714	.2791	.2353
#1	1.975	2.013	9.726	9.821	9.515	2.014	2.026	10.24	1.957	1.961
#2	1.972	2.014	9.470	9.613	9.318	2.010	2.018	9.995	1.949	1.955

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0013	-.0011	2.036	2.032	.1360	2.020	2.013	2.004	2.039	2.022
Stddev	.0002	.0088	.011	.007	.0029	.007	.038	.002	.001	.002
%RSD	11.82	789.3	.5453	.3506	2.166	.3523	1.898	.0842	.0300	.1195
#1	-.0014	.0051	2.044	2.037	.1381	2.025	2.040	2.005	2.039	2.023
#2	-.0012	-.0073	2.028	2.027	.1340	2.015	1.986	2.003	2.039	2.020

Elem	W_2397	Zn2062	Zr3391
Avg	.0020	1.941	.0016
Stddev	.0072	.009	.0008
%RSD	353.9	.4377	47.45
#1	.0071	1.947	.0022
#2	-.0030	1.935	.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1371.0	54432.	10513.
Stddev	4.3	414.	106.
%RSD	.31301	.75977	1.0064
#1	1368.0	54139.	10439.
#2	1374.1	54724.	10588.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 18:17:20 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0001	.0014	F.0025	.0011	.0047	-.0001	.0001	-.0013	-.0001
Stddev	.0006	.0048	.0010	.0003	.0005	.0003	.0000	.0002	.0001
%RSD	521.1	354.8	41.32	28.32	10.23	473.1	19.82	18.07	106.2
#1	-.0003	-.0020	.0018	.0008	.0050	-.0003	.0001	-.0014	.0000
#2	.0005	.0047	.0033	.0013	.0044	.0001	.0002	-.0011	-.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	-.0004	.0006	-.0022	.0611	-.0353	.0000	.0022	-.0067
Stddev	.0001	.0002	.0008	.0002	.0294	.0207	.000	.0004	.0031
%RSD	50.17	41.10	139.9	7.002	48.12	58.60	3342.	18.88	46.89
#1	.0001	-.0005	.0012	-.0021	.0403	-.0499	.0001	.0025	-.0089
#2	.0003	-.0003	.0000	-.0023	.0818	-.0207	-.0001	.0019	-.0045

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0003	.0010	-.0027	-.0043	.0017	.0018	.0092	.0007	-.0001
Stddev	.0001	.0000	.0008	.0008	.0007	.0003	.0000	.0008	.0000
%RSD	25.37	3.305	30.60	17.70	39.80	15.49	.1815	109.6	.8328
#1	.0003	.0010	-.0021	-.0048	.0022	.0016	.0092	.0013	-.0001
#2	.0002	.0011	-.0033	-.0037	.0013	.0020	.0091	.0002	-.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0001	.0010	.0009	-.0069	.0000	.0001
Stddev	.0003	.0004	.0003	.0018	.0001	.0001
%RSD	188.8	42.88	28.97	25.29	386.7	75.86
#1	-.0003	.0007	.0008	-.0057	.0001	.0001
#2	.0000	.0013	.0011	-.0082	.0000	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1378.0	54374.	10506.
Stddev	2.9	316.	47.
%RSD	.21317	.58140	.44372
#1	1380.1	54597.	10539.
#2	1376.0	54150.	10473.

Zoom In Zoom Out

Sample Name: MP21457-MB1 Acquired: 8/7/2013 18:21:43 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	.0114	-.0002	.0003	.0024	.0000	.0001	.0324	.0001	.0001
Stddev	.0001	.0040	.0006	.0017	.0001	.000	.0000	.0021	.0001	.0002
%RSD	59.58	35.11	320.0	508.0	2.702	16180.	65.58	6.520	183.7	145.6
#1	.0001	.0142	-.0007	-.0009	.0023	-.0001	.0000	.0309	.0000	.0000
#2	.0002	.0086	.0003	.0016	.0024	.0001	.0001	.0339	.0001	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0006	.0011	.0108	.0590	.0007	.0004	.0008	.0422	-.0002	.0015
Stddev	.0004	.0001	.0007	.0282	.0197	.0000	.0002	.0085	.0003	.0009
%RSD	75.11	12.08	6.200	47.82	2949.	3.984	29.24	20.06	199.8	56.15
#1	-.0008	.0012	.0103	.0391	.0146	.0004	.0006	.0482	-.0004	.0021
#2	-.0003	.0010	.0112	.0790	-.0132	.0004	.0010	.0362	.0001	.0009

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0025	-.0014	.0020	.0017	.0388	.0075	.0000	-.0006	-.0031	.0004
Stddev	.0007	.0022	.0002	.0004	.0005	.0001	.000	.0001	.0003	.0000
%RSD	28.11	160.9	8.951	20.30	1.162	.8821	119.0	22.97	8.795	5.105
#1	-.0020	-.0029	.0019	.0015	.0385	.0074	.0000	-.0005	-.0029	.0004
#2	-.0029	.0002	.0021	.0020	.0391	.0075	-.0001	-.0007	-.0033	.0004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0029	.0043	.0001
Stddev	.0022	.0001	.0001
%RSD	76.18	2.670	84.95
#1	-.0044	.0043	.0002
#2	-.0013	.0042	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1382.4	54579.	10587.
Stddev	4.6	271.	207.
%RSD	.33514	.49687	1.9598
#1	1379.1	54771.	10734.
#2	1385.6	54388.	10440.

Zoom In Zoom Out

Sample Name: MP21457-S1 Acquired: 8/7/2013 18:26:08 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1847	60.01	.4975	-.0019	.0564	2.074	.4561	28.11	.4808	.5193
Stddev	.0004	.12	.0014	.0007	.0001	.000	.0013	.12	.0003	.0010
%RSD	.2202	.2006	.2832	37.56	.1394	.0085	.2940	.4275	.0580	.1920
#1	.1850	59.93	.4985	-.0014	.0565	2.074	.4551	28.02	.4806	.5200
#2	.1844	60.10	.4965	-.0024	.0563	2.074	.4570	28.19	.4810	.5186

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5524	.5395	84.63	31.88	42.77	2.548	.0021	24.26	.5213	.9446
Stddev	.0021	.0019	.25	.06	.14	.008	.0001	.05	.0008	.0020
%RSD	.3847	.3563	.2932	.1896	.3315	.3003	4.260	.2194	.1460	.2156
#1	.5509	.5408	84.46	31.83	42.67	2.543	.0020	24.22	.5219	.9460
#2	.5539	.5381	84.81	31.92	42.87	2.553	.0021	24.29	.5208	.9431

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0030	.0090	.2395	.4539	1.701	.0017	.4829	3.016	.4750	.6410
Stddev	.0012	.0007	.0002	.0005	.002	.0009	.0001	.001	.0012	.0003
%RSD	40.58	7.433	.0965	.1076	.1349	51.07	.0251	.0444	.2490	.0536
#1	-.0021	.0095	.2394	.4536	1.703	.0023	.4828	3.017	.4742	.6413
#2	-.0039	.0086	.2397	.4543	1.700	.0011	.4830	3.015	.4758	.6408

Elem	W_2397	Zn2062	Zr3391
Avg	-.0040	.6267	.0205
Stddev	.0033	.0001	.0003
%RSD	84.46	.0112	1.639
#1	-.0063	.6267	.0203
#2	-.0016	.6267	.0207

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1437.9	57691.	11181.
Stddev	.9	400.	150.
%RSD	.06198	.69330	1.3444
#1	1437.3	57973.	11288.
#2	1438.5	57408.	11075.

Zoom In Zoom Out

Sample Name: MP21457-S2 Acquired: 8/7/2013 18:30:22 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1829	77.16	.4916	-.0026	.0596	2.150	.4326	33.81	.4798	.5367
Stddev	.0056	4.94	.0005	.0009	.0004	.135	.0265	2.12	.0003	.0001
%RSD	3.067	6.403	.1086	33.42	.6036	6.283	6.123	6.273	.0530	.0219
#1	.1789	80.65	.4919	-.0032	.0594	2.245	.4513	35.31	.4796	.5368
#2	.1868	73.66	.4912	-.0020	.0599	2.054	.4138	32.31	.4800	.5367

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6094	.6084	109.2	31.85	56.86	3.062	.0015	23.97	.5593	.9445
Stddev	.0138	.0138	6.9	1.80	3.52	.060	.0000	1.41	.0002	.0016
%RSD	2.272	2.274	6.350	5.667	6.200	1.950	.7812	5.886	.0312	.1654
#1	.5996	.5986	114.1	33.12	59.35	3.020	.0015	24.96	.5594	.9456
#2	.6192	.6182	104.3	30.57	54.37	3.104	.0015	22.97	.5592	.9434

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0038	.0048	.2364	.4409	1.661	-.0004	.5117	4.789	.4727	.7068
Stddev	.0036	.0025	.0005	.0029	.003	.0003	.0325	.100	.0013	.0163
%RSD	93.87	51.93	.2035	.6562	.1754	76.49	6.351	2.095	.2696	2.301
#1	-.0013	.0065	.2368	.4429	1.663	-.0005	.5346	4.718	.4736	.6953
#2	-.0064	.0030	.2361	.4388	1.659	-.0002	.4887	4.860	.4718	.7183

Elem	W_2397	Zn2062	Zr3391
Avg	.0033	.6794	.0412
Stddev	.0012	.0006	.0017
%RSD	36.32	.0905	4.246
#1	.0042	.6799	.0399
#2	.0025	.6790	.0424

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1442.3	58127.	11668.
Stddev	.0	971.	599.
%RSD	.00291	1.6708	5.1313
#1	1442.2	58813.	11245.
#2	1442.3	57440.	12092.

Zoom In Zoom Out

Sample Name: MC23213-18 Acquired: 8/7/2013 18:34:36 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	68.30	.0105	-.0005	.0515	.3631	.0036	5.859	.0008	.0507
Stddev	.0006	.50	.0004	.0013	.0001	.0032	.0001	.033	.0000	.0001
%RSD	109.8	.7272	4.272	263.7	.1173	.8692	2.788	.5619	2.950	.1248
#1	-.0001	68.65	.0108	.0004	.0514	.3654	.0037	5.882	.0008	.0508
#2	-.0009	67.94	.0101	-.0014	.0515	.3609	.0035	5.836	.0009	.0507

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0994	.0737	102.9	11.52	26.60	2.952	.0017	1.006	.0968	.0537
Stddev	.0014	.0014	.8	.09	.17	.004	.0001	.001	.0005	.0003
%RSD	1.446	1.948	.7725	.7542	.6495	.1347	4.107	.1160	.5325	.5788
#1	.0984	.0727	103.5	11.58	26.72	2.955	.0017	1.007	.0972	.0539
#2	.1005	.0747	102.4	11.46	26.47	2.949	.0018	1.006	.0965	.0535

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0020	.0065	.0008	-.0001	1.642	.0030	.0415	2.974	.0004	.1861
Stddev	.0004	.0056	.0001	.0009	.003	.0000	.0005	.005	.0005	.0030
%RSD	17.62	86.84	11.84	1156.	.1871	.6246	1.253	.1634	118.2	1.607
#1	-.0023	.0104	.0007	.0006	1.644	.0030	.0418	2.977	.0001	.1839
#2	-.0018	.0025	.0009	-.0007	1.640	.0029	.0411	2.970	.0007	.1882

Elem	W_2397	Zn2062	Zr3391
Avg	-.0001	.2260	.0225
Stddev	.0019	.0002	.0005
%RSD	1639.	.0749	2.333
#1	-.0014	.2258	.0221
#2	.0012	.2261	.0229

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1469.9	58012.	11415.
Stddev	.5	16.	99.
%RSD	.03646	.02723	.86782
#1	1470.2	58001.	11345.
#2	1469.5	58023.	11485.

Zoom In Zoom Out

Sample Name: MP21457-SD1 Acquired: 8/7/2013 18:38:56 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	74.11	.0203	.0010	.0639	.3903	.0039	6.368	.0004	.0553
Stddev	.0003	.98	.0005	.0071	.0001	.0068	.0002	.062	.0012	.0002
%RSD	50.71	1.323	2.474	737.3	.1358	1.739	4.341	.9670	313.3	.3036
#1	-.0003	73.42	.0199	.0059	.0640	.3855	.0040	6.325	-.0005	.0552
#2	-.0007	74.80	.0207	-.0040	.0639	.3951	.0038	6.412	.0012	.0554

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1090	.0794	111.5	12.55	28.73	3.200	.0020	1.066	.1067	.0610
Stddev	.0003	.0016	1.7	.18	.30	.074	.0006	.057	.0000	.0018
%RSD	.2336	2.016	1.553	1.458	1.047	2.322	28.59	5.382	.0220	2.895
#1	.1091	.0805	110.3	12.42	28.51	3.253	.0016	1.026	.1067	.0598
#2	.1088	.0782	112.8	12.68	28.94	3.147	.0024	1.107	.1067	.0623

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0147	.0045	.0028	.0041	1.831	.0031	.0438	3.207	-.0121	.2030
Stddev	.0119	.0065	.0058	.0032	.014	.0002	.0006	.083	.0021	.0037
%RSD	80.83	146.1	208.2	77.57	.7787	5.299	1.258	2.594	16.96	1.812
#1	-.0231	-.0001	-.0013	.0019	1.841	.0032	.0434	3.265	-.0107	.2056
#2	-.0063	.0091	.0068	.0064	1.821	.0029	.0442	3.148	-.0136	.2004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0128	.2497	.0281
Stddev	.0014	.0007	.0001
%RSD	10.66	.2684	.3609
#1	-.0138	.2501	.0282
#2	-.0118	.2492	.0280

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1382.6	55503.	10750.
Stddev	8.2	1261.	33.
%RSD	.59072	2.2714	.30445
#1	1376.9	54611.	10773.
#2	1388.4	56394.	10727.

Zoom In Zoom Out

Sample Name: MP21457-B2 Acquired: 8/7/2013 18:43:16 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2008	2.013	.5221	.0003	.0037	1.862	.4868	23.60	.5092	.5095
Stddev	.0013	.027	.0005	.0009	.0004	.009	.0035	.24	.0002	.0008
%RSD	.6359	1.323	.0951	258.9	10.28	.4939	.7288	1.008	.0381	.1475
#1	.1999	1.994	.5225	-.0003	.0040	1.855	.4843	23.43	.5093	.5090
#2	.2017	2.031	.5218	.0009	.0034	1.868	.4893	23.77	.5091	.5100

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5030	.4822	1.861	23.82	22.83	.4870	.0006	24.75	.4738	.9641
Stddev	.0027	.0010	.009	.20	.24	.0006	.0002	.19	.0001	.0014
%RSD	.5343	.1973	.4741	.8501	1.031	.1308	35.78	.7642	.0153	.1433
#1	.5011	.4829	1.855	23.68	22.66	.4874	.0004	24.61	.4738	.9650
#2	.5049	.4815	1.867	23.96	22.99	.4865	.0007	24.88	.4737	.9631

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0027	-.0024	.5009	.4942	.0398	.0059	.4749	.4840	.4992	.5188
Stddev	.0005	.0024	.0014	.0012	.0008	.0004	.0028	.0009	.0013	.0112
%RSD	20.33	102.7	.2786	.2475	2.077	6.444	.5850	.1791	.2587	2.168
#1	-.0023	-.0006	.5019	.4934	.0404	.0062	.4730	.4846	.4983	.5109
#2	-.0031	-.0041	.4999	.4951	.0392	.0057	.4769	.4834	.5002	.5268

Elem	W_2397	Zn2062	Zr3391
Avg	.0012	.4954	.0048
Stddev	.0009	.0001	.0002
%RSD	72.28	.0147	3.753
#1	.0006	.4955	.0049
#2	.0018	.4954	.0046

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1357.9	53791.	10421.
Stddev	2.2	119.	189.
%RSD	.15959	.22150	1.8144
#1	1356.4	53707.	10555.
#2	1359.5	53876.	10288.

Zoom In Zoom Out

Sample Name: MP21457-LC1 Acquired: 8/7/2013 18:47:31 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.3586	97.14	.9880	-.0032	1.117	1.660	.5280	59.70	.6554	1.090
Stddev	.0006	.24	.0041	.0011	.003	.005	.0004	.06	.0021	.001
%RSD	.1756	.2461	.4162	35.93	.2257	.3113	.0765	.0980	.3278	.1192
#1	.3590	97.31	.9909	-.0024	1.119	1.664	.5283	59.74	.6569	1.091
#2	.3581	96.97	.9851	-.0040	1.116	1.656	.5277	59.66	.6539	1.089

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.7289	.7970	122.3	38.85	29.80	3.095	.4343	6.666	.5871	.9422
Stddev	.0025	.0016	.1	.00	.02	.003	.0003	.013	.0022	.0031
%RSD	.3427	.1949	.0697	.0032	.0650	.0893	.0635	.1909	.3832	.3336
#1	.7271	.7981	122.4	38.85	29.82	3.097	.4345	6.675	.5886	.9444
#2	.7306	.7959	122.2	38.85	29.79	3.093	.4341	6.657	.5855	.9400

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0050	.0055	.8306	1.681	1.714	1.070	.7006	2.249	1.298	.5934
Stddev	.0006	.0019	.0005	.003	.004	.002	.0013	.001	.004	.0002
%RSD	12.59	34.01	.0546	.2007	.2374	.1517	.1922	.0535	.3211	.0413
#1	-.0046	.0042	.8303	1.683	1.717	1.071	.7016	2.250	1.295	.5936
#2	-.0055	.0068	.8309	1.679	1.711	1.069	.6997	2.248	1.301	.5933

Elem	W_2397	Zn2062	Zr3391
Avg	-.0008	1.393	.0754
Stddev	.0020	.003	.0006
%RSD	248.2	.2290	.7418
#1	-.0023	1.395	.0750
#2	.0006	1.390	.0758

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1468.4	59039.	11561.
Stddev	4.1	18.	75.
%RSD	.27926	.03023	.64876
#1	1465.5	59026.	11614.
#2	1471.3	59051.	11508.

Zoom In Zoom Out

Sample Name: MC23213-1 Acquired: 8/7/2013 18:51:44 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	160.8	.0236	-.0012	.1496	.5069	.0050	33.20	.0018	.0879
Stddev	.0003	2.2	.0008	.0015	.0013	.0076	.0000	.45	.0000	.0001
%RSD	161.2	1.347	3.525	131.4	.8395	1.507	.4430	1.352	2.756	.1580
#1	-.0004	162.3	.0242	-.0022	.1505	.5123	.0049	33.52	.0018	.0880
#2	.0000	159.2	.0230	-.0001	.1487	.5015	.0050	32.89	.0018	.0878

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1562	.3870	173.6	9.565	41.76	3.086	.0096	5.283	.1252	.2396
Stddev	.0014	.0018	2.4	.156	.28	.010	.0001	.080	.0003	.0006
%RSD	.8873	.4758	1.358	1.627	.6727	.3232	.6722	1.515	.2334	.2385
#1	.1572	.3883	175.2	9.675	41.96	3.079	.0096	5.340	.1254	.2400
#2	.1553	.3857	171.9	9.455	41.56	3.093	.0097	5.227	.1250	.2392

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0045	.0022	-.0004	-.0008	1.497	.0028	.1567	6.306	.0006	.3763
Stddev	.0000	.0014	.0005	.0006	.000	.0001	.0027	.010	.0000	.0014
%RSD	.5929	62.89	120.5	86.50	.0234	3.223	1.752	.1563	7.361	.3809
#1	-.0045	.0012	-.0001	-.0012	1.497	.0029	.1586	6.299	.0006	.3774
#2	-.0045	.0032	-.0008	-.0003	1.497	.0027	.1547	6.313	.0006	.3753

Elem	W_2397	Zn2062	Zr3391
Avg	-.0107	.4218	.0136
Stddev	.0012	.0002	.0002
%RSD	11.28	.0495	1.698
#1	-.0098	.4217	.0134
#2	-.0115	.4220	.0137

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1466.8	58826.	11697.
Stddev	.2	276.	134.
%RSD	.01103	.46857	1.1435
#1	1466.7	59021.	11602.
#2	1466.9	58631.	11791.

Zoom In Zoom Out

Sample Name: MC23213-2 Acquired: 8/7/2013 18:56:00 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	156.4	.0229	-.0032	.2412	.4110	.0047	27.90	.0015	.0875
Stddev	.0002	2.8	.0006	.0005	.0007	.0073	.0001	.48	.0002	.0003
%RSD	41.52	1.769	2.720	14.05	.2779	1.774	1.255	1.704	13.22	.2955
#1	-.0003	154.4	.0234	-.0036	.2408	.4058	.0047	27.56	.0016	.0877
#2	-.0005	158.3	.0225	-.0029	.2417	.4161	.0048	28.24	.0013	.0874

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1823	3.183	173.0	6.792	39.24	3.430	.0140	3.880	.1260	.1109
Stddev	.0014	.004	2.9	.083	.68	.013	.0002	.065	.0004	.0000
%RSD	.7858	.1319	1.674	1.222	1.726	.3778	1.482	1.666	.2854	.0200
#1	.1833	3.180	170.9	6.733	38.76	3.421	.0138	3.835	.1262	.1109
#2	.1813	3.186	175.0	6.850	39.72	3.439	.0141	3.926	.1257	.1110

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0050	.0034	-.0013	-.0001	1.575	-.0015	.1427	6.947	-.0023	.4103
Stddev	.0015	.0030	.0004	.0008	.008	.0007	.0021	.018	.0014	.0009
%RSD	29.67	89.64	28.00	1657.	.5272	47.07	1.455	.2644	59.85	.2089
#1	-.0061	.0055	-.0010	-.0006	1.580	-.0010	.1412	6.934	-.0033	.4109
#2	-.0040	.0012	-.0015	.0005	1.569	-.0020	.1441	6.960	-.0013	.4097

Elem	W_2397	Zn2062	Zr3391
Avg	-.0078	.5076	.0200
Stddev	.0117	.0003	.0002
%RSD	149.2	.0527	1.045
#1	-.0161	.5074	.0198
#2	.0004	.5078	.0201

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1458.3	58319.	11548.
Stddev	1.8	429.	150.
%RSD	.12080	.73524	1.2990
#1	1459.6	58622.	11654.
#2	1457.1	58016.	11442.

Zoom In Zoom Out

Sample Name: MC23213-3 Acquired: 8/7/2013 19:00:22 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	120.9	.0267	-.0050	.0484	.5609	.0056	20.28	.0020	.0827
Stddev	.0000	.2	.0015	.0010	.0005	.0031	.0000	.02	.0001	.0001
%RSD	2.003	.1484	5.610	19.19	1.110	.5550	.4217	.1077	7.166	.1669
#1	-.0006	120.8	.0277	-.0043	.0488	.5587	.0057	20.29	.0021	.0828
#2	-.0006	121.0	.0256	-.0056	.0480	.5631	.0056	20.26	.0019	.0826

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1733	.3093	161.5	12.67	38.34	4.316	.0030	2.658	.1313	.3734
Stddev	.0016	.0012	.1	.02	.01	.023	.0001	.016	.0005	.0016
%RSD	.9501	.3854	.0876	.1967	.0361	.5225	2.002	.6068	.4162	.4302
#1	.1745	.3084	161.4	12.69	38.33	4.332	.0031	2.647	.1317	.3745
#2	.1722	.3101	161.6	12.65	38.35	4.300	.0030	2.670	.1309	.3722

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0029	.0111	-.0001	-.0004	2.028	.0112	.1066	5.692	.0004	.3948
Stddev	.0012	.0013	.0005	.0016	.010	.0001	.0008	.002	.0007	.0063
%RSD	41.08	11.79	537.8	369.5	.4730	.4639	.7089	.0423	195.1	1.593
#1	-.0037	.0120	-.0005	-.0015	2.035	.0112	.1061	5.694	-.0001	.3993
#2	-.0020	.0101	.0003	.0007	2.021	.0113	.1071	5.690	.0009	.3904

Elem	W_2397	Zn2062	Zr3391
Avg	-.0065	.5761	.0116
Stddev	.0067	.0010	.0002
%RSD	101.7	.1817	1.449
#1	-.0018	.5768	.0118
#2	-.0113	.5753	.0115

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1559.5	62452.	12251.
Stddev	7.2	160.	142.
%RSD	.46444	.25662	1.1586
#1	1554.4	62339.	12150.
#2	1564.6	62565.	12351.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 19:04:44 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2498	9.930	2.019	-.0030	2.064	1.855	1.892	9.664	2.036	2.104
Stddev	.0021	.033	.003	.0015	.000	.004	.006	.038	.001	.001
%RSD	.8480	.3297	.1672	51.25	.0040	.1924	.3322	.3971	.0650	.0463
#1	.2483	9.907	2.017	-.0019	2.064	1.853	1.888	9.636	2.037	2.105
#2	.2513	9.954	2.021	-.0041	2.064	1.858	1.897	9.691	2.035	2.103

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.961	2.015	9.334	9.478	9.199	2.009	2.029	9.889	1.947	1.959
Stddev	.004	.018	.005	.017	.018	.002	.002	.034	.001	.001
%RSD	.2036	.8671	.0509	.1736	.1991	.0773	.1161	.3387	.0672	.0425
#1	1.959	2.003	9.338	9.466	9.186	2.008	2.027	9.866	1.948	1.958
#2	1.964	2.027	9.331	9.490	9.212	2.011	2.030	9.913	1.946	1.959

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0015	.0015	2.028	2.026	.1292	2.013	1.970	1.990	2.048	2.023
Stddev	.0019	.0070	.000	.001	.0029	.006	.003	.006	.002	.006
%RSD	128.8	455.2	.0216	.0612	2.217	.3204	.1597	.3171	.1015	.2843
#1	-.0001	.0065	2.028	2.025	.1312	2.018	1.968	1.986	2.046	2.019
#2	-.0028	-.0034	2.027	2.026	.1271	2.009	1.972	1.995	2.049	2.027

Elem	W_2397	Zn2062	Zr3391
Avg	.0050	1.931	-.0016
Stddev	.0002	.002	.0005
%RSD	4.245	.0815	29.59
#1	.0049	1.932	-.0013
#2	.0052	1.930	-.0019

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1362.9	54075.	10638.
Stddev	.3	57.	37.
%RSD	.02273	.10554	.34448
#1	1362.6	54034.	10613.
#2	1363.1	54115.	10664.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 19:08:57 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	.0055	.0002	.0009	.0053	.0000	.0002	.0001	.0002	.0001
Stddev	.0000	.0032	.0011	.0003	.0009	.000	.0001	.0005	.0001	.0001
%RSD	2.807	57.63	551.9	40.14	17.63	1361.	47.43	765.7	57.11	62.00
#1	-.0006	.0033	-.0006	.0011	.0059	.0001	.0003	.0005	.0001	.0001
#2	-.0007	.0077	.0010	.0006	.0046	-.0002	.0001	-.0003	.0003	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	.0004	.0013	.0564	-.0279	.0002	.0025	-.0163	.0002	.0018
Stddev	.000	.0005	.0007	.0277	.0266	.0000	.0007	.0011	.0002	.0011
%RSD	9836.	136.3	52.19	49.03	95.33	11.43	29.10	6.564	77.23	63.56
#1	.0002	.0000	.0018	.0760	-.0466	.0002	.0030	-.0171	.0001	.0026
#2	-.0002	.0007	.0008	.0368	-.0091	.0002	.0020	-.0156	.0004	.0010

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0023	.0005	.0006	.0016	.0092	.0012	-.0001	.0000	-.0011	.0009
Stddev	.0003	.0004	.0004	.0000	.0002	.0004	.0001	.0001	.0003	.0005
%RSD	13.44	82.62	65.82	.7462	1.674	33.85	134.2	522.0	23.95	47.84
#1	-.0025	.0008	.0003	.0017	.0093	.0015	-.0002	.0001	-.0013	.0006
#2	-.0021	.0002	.0009	.0016	.0091	.0009	.0000	.0000	-.0009	.0013

Elem	W_2397	Zn2062	Zr3391
Avg	-.0048	.0001	.0003
Stddev	.0013	.0001	.0000
%RSD	26.41	103.1	4.343
#1	-.0039	.0002	.0003
#2	-.0057	.0000	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1369.4	54915.	10420.
Stddev	1.9	451.	266.
%RSD	.13967	.82045	2.5490
#1	1368.1	55234.	10608.
#2	1370.8	54596.	10232.

Zoom In Zoom Out

Sample Name: MC23213-4 Acquired: 8/7/2013 19:13:22 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	63.93	.0136	-.0014	.0763	.3070	.0033	10.27	.0014	.0488
Stddev	.0004	.32	.0005	.0008	.0001	.0016	.0000	.07	.0001	.0001
%RSD	116.1	.4928	3.709	55.36	.1484	.5244	1.258	.7022	10.58	.2838
#1	-.0001	64.15	.0140	-.0009	.0764	.3082	.0034	10.32	.0015	.0487
#2	-.0006	63.70	.0133	-.0020	.0762	.3059	.0033	10.22	.0013	.0489

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0988	.1043	108.0	9.807	25.13	2.639	.0029	1.566	.0856	.1515
Stddev	.0009	.0012	.8	.046	.09	.002	.0001	.002	.0002	.0021
%RSD	.9169	1.187	.7293	.4702	.3652	.0798	2.176	.1066	.1814	1.408
#1	.0982	.1035	108.6	9.839	25.19	2.640	.0029	1.564	.0857	.1500
#2	.0994	.1052	107.5	9.774	25.06	2.637	.0028	1.567	.0855	.1530

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0023	.0039	.0006	-.0002	1.970	.0046	.0615	3.554	.0007	.2231
Stddev	.0019	.0011	.0006	.0006	.003	.0004	.0003	.006	.0034	.0009
%RSD	84.89	27.26	99.39	302.9	.1363	9.706	.5552	.1810	510.5	.3912
#1	-.0009	.0031	.0002	.0002	1.972	.0049	.0617	3.549	.0030	.2225
#2	-.0036	.0046	.0011	-.0006	1.969	.0043	.0612	3.559	-.0017	.2237

Elem	W_2397	Zn2062	Zr3391
Avg	-.0051	.3538	.0145
Stddev	.0030	.0000	.0003
%RSD	59.32	.0126	2.311
#1	-.0030	.3537	.0142
#2	-.0073	.3538	.0147

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1456.5	58412.	11503.
Stddev	2.5	144.	54.
%RSD	.17085	.24640	.47027
#1	1454.8	58311.	11464.
#2	1458.3	58514.	11541.

Zoom In Zoom Out

Sample Name: MC23213-5 Acquired: 8/7/2013 19:17:40 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	256.0	.0177	-.0025	.5896	.6888	.0033	118.4	.0021	.1842
Stddev	.0008	.2	.0009	.0014	.0026	.0008	.0000	.1	.0002	.0008
%RSD	309.5	.0907	4.940	54.75	.4404	.1228	.5130	.0530	9.230	.4255
#1	.0008	256.2	.0171	-.0034	.5878	.6894	.0033	118.5	.0019	.1836
#2	-.0003	255.9	.0183	-.0015	.5914	.6882	.0034	118.4	.0022	.1847

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2310	.9356	269.6	6.014	84.30	3.777	.0055	24.04	.2243	.6209
Stddev	.0022	.0025	.9	.030	.04	.031	.0002	.02	.0003	.0014
%RSD	.9567	.2621	.3513	.4996	.0528	.8114	3.029	.1004	.1178	.2297
#1	.2326	.9339	270.2	6.035	84.33	3.755	.0057	24.06	.2245	.6219
#2	.2295	.9374	268.9	5.993	84.27	3.799	.0054	24.02	.2242	.6199

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0117	-.0019	.0121	-.0063	1.762	.1490	.5487	7.566	.0024	.7952
Stddev	.0003	.0063	.0024	.0022	.000	.0003	.0005	.013	.0014	.0002
%RSD	2.382	323.0	20.04	34.68	.0110	.2100	.0899	.1692	57.00	.0263
#1	-.0119	-.0064	.0138	-.0048	1.762	.1488	.5484	7.557	.0015	.7951
#2	-.0116	.0025	.0104	-.0079	1.762	.1492	.5491	7.575	.0034	.7954

Elem	W_2397	Zn2062	Zr3391
Avg	-.0070	.6165	.0534
Stddev	.0051	.0010	.0008
%RSD	73.08	.1701	1.472
#1	-.0034	.6172	.0540
#2	-.0107	.6158	.0529

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1430.3	58350.	11533.
Stddev	2.2	165.	28.
%RSD	.15057	.28303	.23880
#1	1428.8	58467.	11553.
#2	1431.8	58233.	11514.

Zoom In Zoom Out

Sample Name: MC23213-6 Acquired: 8/7/2013 19:22:07 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	72.37	.0135	-.0033	.0475	.4062	.0035	15.69	.0011	.0527
Stddev	.0004	.64	.0000	.0011	.0000	.0034	.0000	.07	.0001	.0007
%RSD	60.10	.8835	.0734	32.47	.0279	.8468	.6436	.4678	10.66	1.396
#1	-.0009	71.92	.0135	-.0026	.0475	.4038	.0034	15.64	.0011	.0532
#2	-.0003	72.82	.0135	-.0041	.0475	.4087	.0035	15.74	.0012	.0522

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0930	.1412	108.3	8.141	26.07	2.766	.0021	1.924	.0849	.1861
Stddev	.0012	.0006	.9	.135	.27	.003	.0001	.029	.0005	.0005
%RSD	1.338	.4389	.7978	1.658	1.017	.0984	6.459	1.534	.6205	.2552
#1	.0921	.1407	107.7	8.045	25.88	2.765	.0020	1.903	.0853	.1865
#2	.0939	.1416	108.9	8.236	26.25	2.768	.0022	1.944	.0845	.1858

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0014	.0070	.0000	.0000	1.972	.0085	.0778	3.654	-.0003	.2309
Stddev	.0009	.0047	.000	.0004	.003	.0004	.0010	.005	.0002	.0023
%RSD	61.82	67.08	670.3	1303.	.1400	4.874	1.347	.1255	74.81	.9988
#1	-.0020	.0037	-.0001	.0003	1.974	.0088	.0771	3.651	-.0001	.2292
#2	-.0008	.0103	.0001	-.0003	1.970	.0082	.0786	3.658	-.0005	.2325

Elem	W_2397	Zn2062	Zr3391
Avg	-.0025	.3296	.0113
Stddev	.0018	.0006	.0002
%RSD	73.79	.1758	2.138
#1	-.0037	.3300	.0115
#2	-.0012	.3292	.0111

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1441.6	57874.	11341.
Stddev	2.7	187.	6.
%RSD	.18507	.32242	.05262
#1	1439.7	58006.	11345.
#2	1443.5	57742.	11337.

Zoom In Zoom Out

Sample Name: MC23213-7 Acquired: 8/7/2013 19:26:25 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	63.65	.0196	-.0011	.0444	.3419	.0032	6.322	.0030	.0468
Stddev	.0004	.02	.0006	.0010	.0000	.0011	.0001	.020	.0000	.0001
%RSD	533.9	.0309	2.907	86.78	.0836	.3094	2.967	.3172	.3145	.1572
#1	-.0004	63.66	.0200	-.0004	.0444	.3411	.0031	6.336	.0030	.0469
#2	.0002	63.63	.0192	-.0018	.0444	.3426	.0032	6.307	.0030	.0468

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1075	.2280	138.0	9.219	21.55	2.557	.0028	.9964	.0890	1.502
Stddev	.0000	.0014	.2	.014	.03	.002	.0001	.0037	.0002	.001
%RSD	.0390	.6130	.1674	.1502	.1534	.0734	3.177	.3729	.2386	.0849
#1	.1076	.2270	137.8	9.209	21.58	2.556	.0029	.9990	.0889	1.503
#2	.1075	.2290	138.2	9.229	21.53	2.558	.0027	.9937	.0892	1.501

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0012	.0054	.0160	-.0006	1.865	.7898	.0396	3.040	-.0008	.1853
Stddev	.0001	.0035	.0003	.0012	.003	.0001	.0001	.002	.0005	.0003
%RSD	11.55	63.67	2.054	207.5	.1437	.0125	.2391	.0529	70.18	.1823
#1	-.0011	.0030	.0163	-.0014	1.863	.7898	.0395	3.038	-.0004	.1855
#2	-.0013	.0079	.0158	.0003	1.867	.7897	.0397	3.041	-.0011	.1850

Elem	W_2397	Zn2062	Zr3391
Avg	-.0002	1.080	.0124
Stddev	.0002	.000	.0002
%RSD	100.4	.0278	1.866
#1	-.0001	1.079	.0126
#2	-.0003	1.080	.0122

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1431.2	57398.	11099.
Stddev	1.3	47.	30.
%RSD	.09200	.08246	.26852
#1	1430.3	57364.	11078.
#2	1432.2	57431.	11121.

Zoom In Zoom Out

Sample Name: MC23213-12 Acquired: 8/7/2013 19:30:41 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	109.5	.0236	-.0012	.0362	.5435	.0041	24.00	.0020	.0676
Stddev	.0003	.4	.0018	.0002	.0002	.0024	.0000	.12	.0000	.0003
%RSD	141.2	.3957	7.760	13.17	.5434	.4471	.3558	.4816	1.480	.4089
#1	.0000	109.8	.0223	-.0013	.0363	.5452	.0041	24.08	.0020	.0674
#2	-.0005	109.2	.0249	-.0011	.0361	.5418	.0041	23.92	.0020	.0678

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1170	.3406	137.0	7.593	30.09	3.054	.0039	3.449	.1109	.8343
Stddev	.0004	.0005	1.0	.015	.16	.012	.0001	.021	.0002	.0002
%RSD	.3708	.1563	.7010	.1990	.5227	.3979	2.063	.6234	.1463	.0293
#1	.1167	.3402	137.7	7.603	30.20	3.046	.0039	3.464	.1110	.8341
#2	.1173	.3410	136.3	7.582	29.98	3.063	.0038	3.434	.1108	.8344

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0037	.0046	.0001	-.0003	1.781	.0162	.1023	4.389	.0001	.3213
Stddev	.0014	.0038	.0013	.0010	.005	.0003	.0006	.005	.0006	.0016
%RSD	38.38	82.79	2016.	313.8	.3019	2.099	.5555	.1094	479.6	.5080
#1	-.0027	.0019	.0010	.0004	1.785	.0160	.1027	4.385	.0005	.3202
#2	-.0047	.0073	-.0008	-.0010	1.777	.0165	.1019	4.392	-.0003	.3225

Elem	W_2397	Zn2062	Zr3391
Avg	-.0068	.8355	.0223
Stddev	.0049	.0007	.0000
%RSD	71.78	.0802	.2044
#1	-.0103	.8360	.0224
#2	-.0034	.8351	.0223

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1481.2	59528.	11555.
Stddev	3.0	689.	126.
%RSD	.20479	1.1572	1.0908
#1	1479.1	60015.	11466.
#2	1483.4	59041.	11645.

Zoom In Zoom Out

Sample Name: MC23213-13 Acquired: 8/7/2013 19:34:58 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	82.52	.0152	-.0014	.0544	.4115	.0038	10.06	.0012	.0482
Stddev	.0003	.04	.0003	.0002	.0006	.0003	.0001	.01	.0002	.0003
%RSD	55.75	.0444	1.901	16.36	1.055	.0633	2.458	.1274	13.15	.7095
#1	-.0006	82.54	.0150	-.0016	.0540	.4117	.0038	10.07	.0011	.0480
#2	-.0003	82.49	.0154	-.0012	.0548	.4113	.0039	10.05	.0013	.0485

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1047	.1445	107.4	11.45	25.78	2.702	.0025	1.552	.0943	.3086
Stddev	.0013	.0012	.2	.04	.02	.002	.0002	.002	.0001	.0008
%RSD	1.238	.8276	.1807	.3654	.0609	.0837	7.823	.1186	.1328	.2468
#1	.1038	.1437	107.5	11.48	25.79	2.704	.0027	1.550	.0943	.3091
#2	.1056	.1454	107.3	11.42	25.77	2.701	.0024	1.553	.0944	.3081

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0034	.0057	.0003	.0003	2.248	.0061	.1705	3.296	-.0009	.2129
Stddev	.0000	.0019	.0001	.0002	.005	.0001	.0005	.001	.0005	.0004
%RSD	.7632	33.35	35.52	61.61	.2031	2.122	.2911	.0274	60.89	.1846
#1	-.0034	.0071	.0004	.0005	2.251	.0060	.1708	3.297	-.0012	.2126
#2	-.0033	.0044	.0002	.0002	2.244	.0062	.1701	3.295	-.0005	.2132

Elem	W_2397	Zn2062	Zr3391
Avg	-.0074	.4263	.0098
Stddev	.0146	.0009	.0002
%RSD	197.6	.2143	2.242
#1	.0029	.4270	.0099
#2	-.0177	.4257	.0096

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1463.4	58103.	11502.
Stddev	2.1	79.	60.
%RSD	.14539	.13607	.52220
#1	1461.9	58048.	11544.
#2	1464.9	58159.	11459.

Zoom In Zoom Out

Sample Name: MC23213-14 Acquired: 8/7/2013 19:39:16 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	76.35	.0192	-.0021	.0488	.3672	.0038	9.471	.0020	.0503
Stddev	.0003	.38	.0005	.0001	.0003	.0014	.0000	.040	.0001	.0001
%RSD	41.70	.5001	2.435	4.985	.5919	.3883	1.130	.4246	6.573	.1189
#1	-.0009	76.62	.0188	-.0022	.0490	.3682	.0038	9.499	.0021	.0502
#2	-.0005	76.08	.0195	-.0021	.0486	.3662	.0037	9.442	.0019	.0503

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1141	.2347	132.0	9.432	24.57	2.935	.0032	1.573	.0884	.4201
Stddev	.0007	.0007	.3	.032	.02	.010	.0002	.002	.0006	.0014
%RSD	.5724	.2944	.2003	.3350	.0695	.3449	4.639	.1220	.7033	.3300
#1	.1146	.2352	132.2	9.454	24.56	2.942	.0031	1.571	.0888	.4210
#2	.1136	.2342	131.8	9.409	24.58	2.928	.0034	1.574	.0879	.4191

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0020	.0043	.0006	.0007	1.681	.0153	.0520	3.512	-.0006	.2999
Stddev	.0018	.0003	.0002	.0002	.002	.0001	.0000	.017	.0005	.0001
%RSD	90.15	6.470	27.82	23.71	.0895	.5577	.0930	.4699	83.04	.0251
#1	-.0007	.0041	.0008	.0006	1.682	.0154	.0520	3.524	-.0010	.3000
#2	-.0032	.0045	.0005	.0008	1.680	.0152	.0520	3.501	-.0003	.2999

Elem	W_2397	Zn2062	Zr3391
Avg	-.0053	.4174	.0183
Stddev	.0073	.0002	.0000
%RSD	139.1	.0485	.1514
#1	-.0001	.4172	.0183
#2	-.0104	.4175	.0183

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1492.4	59651.	11748.
Stddev	4.0	4.	49.
%RSD	.26563	.00595	.41910
#1	1495.2	59648.	11783.
#2	1489.6	59653.	11713.

Zoom In Zoom Out

Sample Name: MC23213-15 Acquired: 8/7/2013 19:43:34 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	55.85	.0162	-.0005	.0348	.3028	.0025	9.853	.0010	.0372
Stddev	.0001	.16	.0006	.0014	.0002	.0006	.0000	.027	.0001	.0000
%RSD	20.29	.2923	3.512	282.4	.6415	.1819	.6372	.2706	8.363	.0812
#1	-.0006	55.73	.0158	.0005	.0346	.3024	.0026	9.834	.0009	.0372
#2	-.0008	55.96	.0166	-.0015	.0349	.3032	.0025	9.871	.0011	.0372

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0747	.2113	85.89	6.278	16.65	2.020	.0015	1.200	.0570	.1509
Stddev	.0001	.0011	.25	.021	.04	.001	.0002	.005	.0004	.0000
%RSD	.0743	.5373	.2936	.3395	.2588	.0429	12.77	.4144	.7235	.0308
#1	.0746	.2121	85.71	6.263	16.68	2.020	.0014	1.197	.0567	.1509
#2	.0747	.2105	86.07	6.293	16.62	2.019	.0017	1.204	.0573	.1510

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0029	-.0022	.0011	.0002	1.771	.0160	.0483	3.377	-.0017	.2301
Stddev	.0003	.0005	.0005	.0006	.001	.0001	.0002	.002	.0003	.0002
%RSD	10.79	24.12	42.77	245.2	.0645	.6150	.3309	.0636	19.06	.0900
#1	-.0031	-.0018	.0008	-.0002	1.770	.0159	.0482	3.376	-.0020	.2300
#2	-.0027	-.0025	.0015	.0007	1.772	.0160	.0484	3.379	-.0015	.2303

Elem	W_2397	Zn2062	Zr3391
Avg	-.0028	.3026	.0108
Stddev	.0013	.0005	.0002
%RSD	45.67	.1506	1.569
#1	-.0036	.3022	.0109
#2	-.0019	.3029	.0106

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1442.4	57363.	11396.
Stddev	.3	116.	39.
%RSD	.02117	.20180	.33898
#1	1442.2	57281.	11423.
#2	1442.6	57445.	11369.

Zoom In Zoom Out

Sample Name: MC23213-16 Acquired: 8/7/2013 19:47:54 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0010	115.6	.0207	-.0014	.0365	.4323	.0050	9.685	.0005	.0529
Stddev	.0004	2.4	.0013	.0015	.0008	.0095	.0000	.170	.0001	.0003
%RSD	43.40	2.059	6.111	106.2	2.093	2.203	.8365	1.754	17.07	.4959
#1	-.0013	113.9	.0216	-.0004	.0371	.4256	.0050	9.565	.0004	.0531
#2	-.0007	117.3	.0198	-.0025	.0360	.4391	.0051	9.805	.0006	.0528

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1322	.1332	135.2	8.175	22.99	2.585	.0051	.7142	.0932	.0818
Stddev	.0008	.0009	2.7	.107	.42	.018	.0002	.0028	.0003	.0001
%RSD	.6317	.7007	2.026	1.309	1.821	.6961	3.077	.3922	.3608	.0830
#1	.1328	.1339	133.3	8.099	22.70	2.598	.0052	.7122	.0934	.0819
#2	.1316	.1325	137.2	8.250	23.29	2.573	.0050	.7162	.0930	.0818

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0015	.0022	-.0016	-.0015	1.609	.0008	.0729	4.698	-.0034	.2758
Stddev	.0015	.0020	.0008	.0026	.011	.0003	.0014	.040	.0006	.0013
%RSD	103.1	91.08	51.04	178.7	.7025	33.33	1.960	.8513	19.05	.4809
#1	-.0026	.0036	-.0010	-.0033	1.617	.0006	.0719	4.726	-.0038	.2767
#2	-.0004	.0008	-.0022	.0004	1.601	.0009	.0739	4.669	-.0029	.2748

Elem	W_2397	Zn2062	Zr3391
Avg	-.0086	.2167	.0258
Stddev	.0056	.0003	.0002
%RSD	65.76	.1545	.8818
#1	-.0126	.2170	.0260
#2	-.0046	.2165	.0257

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1476.2	58890.	11643.
Stddev	4.3	138.	138.
%RSD	.29101	.23407	1.1862
#1	1473.2	58793.	11741.
#2	1479.3	58987.	11546.

Zoom In Zoom Out

Sample Name: MC23213-17 Acquired: 8/7/2013 19:52:11 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	70.54	.0133	-.0028	.0565	.3977	.0038	8.415	.0009	.0525
Stddev	.0000	.61	.0021	.0010	.0000	.0044	.0002	.104	.0001	.0001
%RSD	6.104	.8627	15.87	33.84	.0495	1.116	4.449	1.231	5.978	.2061
#1	-.0008	70.11	.0148	-.0022	.0565	.3945	.0037	8.342	.0009	.0526
#2	-.0007	70.97	.0118	-.0035	.0565	.4008	.0039	8.489	.0008	.0524

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1025	.1007	108.5	10.72	26.77	3.263	.0012	1.958	.0971	.0651
Stddev	.0011	.0002	.9	.16	.43	.004	.0002	.035	.0009	.0001
%RSD	1.057	.1877	.8221	1.499	1.608	.1202	12.80	1.780	.8901	.1835
#1	.1017	.1006	107.8	10.60	26.46	3.261	.0011	1.934	.0965	.0652
#2	.1032	.1008	109.1	10.83	27.07	3.266	.0013	1.983	.0977	.0650

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0042	.0116	-.0008	-.0010	1.722	.0034	.0417	3.458	.0011	.2250
Stddev	.0000	.0030	.0008	.0001	.001	.0004	.0007	.004	.0003	.0035
%RSD	1.156	26.08	108.1	12.63	.0520	12.53	1.581	.1027	27.06	1.560
#1	-.0043	.0137	-.0002	-.0009	1.722	.0037	.0412	3.456	.0014	.2225
#2	-.0042	.0095	-.0013	-.0011	1.723	.0031	.0422	3.461	.0009	.2274

Elem	W_2397	Zn2062	Zr3391
Avg	-.0032	.2343	.0255
Stddev	.0054	.0000	.0004
%RSD	170.8	.0158	1.658
#1	.0007	.2343	.0252
#2	-.0070	.2343	.0258

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1482.2	58934.	11570.
Stddev	3.5	221.	72.
%RSD	.23423	.37462	.62238
#1	1484.6	59090.	11621.
#2	1479.7	58777.	11519.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 19:56:28 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2485	10.06	2.021	-.0030	2.053	1.848	1.912	9.718	2.020	2.102
Stddev	.0005	.05	.003	.0007	.004	.002	.002	.013	.004	.003
%RSD	.1992	.5265	.1458	25.02	.1701	.1064	.1244	.1287	.1711	.1310
#1	.2482	10.02	2.023	-.0025	2.055	1.846	1.910	9.709	2.022	2.104
#2	.2489	10.09	2.019	-.0035	2.050	1.849	1.913	9.727	2.017	2.100

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.964	2.011	9.253	9.449	9.165	2.037	2.026	10.01	1.947	1.952
Stddev	.003	.000	.013	.030	.010	.003	.002	.00	.003	.004
%RSD	.1323	.0022	.1438	.3202	.1101	.1227	.1080	.0406	.1393	.1918
#1	1.966	2.011	9.263	9.470	9.172	2.039	2.027	10.01	1.949	1.955
#2	1.962	2.011	9.244	9.427	9.158	2.036	2.024	10.01	1.945	1.950

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0043	.0015	2.022	2.033	.1260	2.021	1.941	2.002	2.048	2.030
Stddev	.0026	.0024	.002	.004	.0021	.003	.002	.004	.007	.001
%RSD	60.36	161.4	.1082	.2055	1.679	.1240	.1013	.1788	.3593	.0382
#1	-.0061	-.0002	2.024	2.036	.1275	2.022	1.940	2.004	2.053	2.031
#2	-.0024	.0031	2.021	2.030	.1245	2.019	1.942	1.999	2.042	2.029

Elem	W_2397	Zn2062	Zr3391
Avg	-.0032	1.929	.0007
Stddev	.0013	.004	.0007
%RSD	39.58	.2193	100.7
#1	-.0041	1.932	.0012
#2	-.0023	1.926	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1380.0	54115.	10780.
Stddev	1.9	207.	43.
%RSD	.13820	.38265	.39750
#1	1378.7	53969.	10750.
#2	1381.4	54262.	10811.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 20:00:42 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0008	.0008	.0007	.0041	-.0001	.0001	-.0006	.0000	.0002
Stddev	.0002	.0099	.0004	.0003	.0001	.0001	.0032	.0001	.0003	
%RSD	108.7	1283.	52.25	38.75	3.447	95.42	53.99	572.1	333.4	102.9
#1	-.0001	-.0063	.0010	.0009	.0042	.0000	.0001	-.0029	.0000	.0001
#2	-.0004	.0078	.0005	.0005	.0040	-.0002	.0002	.0017	.0001	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0006	.0007	-.0008	.0704	-.0400	.0000	.0022	-.0198	.0000	.0009
Stddev	.0002	.0003	.0010	.0301	.0279	.0001	.0006	.0115	.000	.0003
%RSD	33.44	37.35	123.5	42.70	69.87	235.0	29.68	58.01	283.0	39.96
#1	-.0007	.0005	-.0001	.0492	-.0202	.0000	.0026	-.0279	.0000	.0011
#2	-.0004	.0009	-.0016	.0917	-.0597	.0001	.0017	-.0117	.0000	.0006

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0027	-.0035	.0013	.0012	.0090	.0006	.0000	.0000	-.0007	.0012
Stddev	.0002	.0024	.0001	.0001	.0002	.0000	.000	.0002	.0023	.0002
%RSD	6.804	69.25	10.78	8.695	2.716	4.758	8157.	770.1	335.8	20.16
#1	-.0029	-.0018	.0012	.0011	.0088	.0006	-.0001	.0002	-.0023	.0013
#2	-.0026	-.0052	.0014	.0012	.0091	.0006	.0001	-.0001	.0009	.0010

Elem	W_2397	Zn2062	Zr3391
Avg	-.0024	.0002	.0003
Stddev	.0015	.0002	.0002
%RSD	64.39	101.1	87.76
#1	-.0034	.0001	.0004
#2	-.0013	.0004	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1404.0	54436.	10881.
Stddev	1.3	198.	16.
%RSD	.08975	.36444	.14947
#1	1403.1	54577.	10869.
#2	1404.9	54296.	10892.

Zoom In Zoom Out

Sample Name: MC23213-19 Acquired: 8/7/2013 20:05:06 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	64.34	.0124	-.0012	.0460	.3439	.0036	7.069	.0011	.0480
Stddev	.0004	1.70	.0001	.0000	.0007	.0092	.0001	.173	.0003	.0002
%RSD	127.8	2.635	.6985	3.676	1.580	2.666	1.892	2.443	27.31	.3159
#1	-.0006	63.14	.0124	-.0012	.0465	.3375	.0035	6.947	.0013	.0481
#2	.0000	65.54	.0125	-.0012	.0454	.3504	.0036	7.191	.0009	.0479

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1205	.1021	102.0	8.727	24.44	2.886	.0024	1.495	.0885	.1243
Stddev	.0018	.0017	2.7	.210	.64	.058	.0002	.045	.0011	.0017
%RSD	1.467	1.697	2.626	2.412	2.612	2.010	7.332	3.034	1.256	1.371
#1	.1217	.1033	100.1	8.579	23.99	2.927	.0025	1.463	.0893	.1255
#2	.1192	.1008	103.9	8.876	24.89	2.845	.0022	1.527	.0877	.1231

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0057	.0062	-.0008	-.0001	1.595	.0054	.0399	3.786	.0010	.2581
Stddev	.0007	.0050	.0004	.0010	.010	.0007	.0011	.070	.0016	.0079
%RSD	13.09	81.19	56.03	781.4	.6013	12.32	2.879	1.856	162.2	3.045
#1	-.0052	.0098	-.0011	-.0009	1.602	.0059	.0391	3.836	-.0001	.2636
#2	-.0062	.0026	-.0005	.0006	1.589	.0049	.0407	3.736	.0021	.2525

Elem	W_2397	Zn2062	Zr3391
Avg	.0009	.2383	.0212
Stddev	.0070	.0031	.0001
%RSD	768.4	1.318	.5513
#1	-.0041	.2405	.0213
#2	.0059	.2361	.0211

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1501.8	58601.	11793.
Stddev	13.8	1050.	269.
%RSD	.92025	1.7921	2.2831
#1	1492.0	57858.	11983.
#2	1511.5	59343.	11602.

Zoom In Zoom Out

Sample Name: MC23213-20 Acquired: 8/7/2013 20:09:24 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0009	61.76	.0107	-.0011	.0490	.3624	.0033	7.684	.0004	.0439
Stddev	.0008	.05	.0007	.0001	.0001	.0010	.0000	.007	.0000	.0002
%RSD	82.12	.0825	6.074	4.557	.1176	.2645	.7332	.0981	1.958	.3659
#1	-.0004	61.80	.0102	-.0012	.0489	.3630	.0033	7.689	.0004	.0437
#2	-.0015	61.73	.0112	-.0011	.0490	.3617	.0033	7.678	.0004	.0440

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0927	.0776	90.47	9.950	23.04	2.498	.0019	.9734	.0810	.0478
Stddev	.0012	.0005	.18	.015	.04	.001	.0002	.0139	.0002	.0004
%RSD	1.280	.6953	.1986	.1502	.1562	.0518	10.09	1.429	.2647	.8543
#1	.0936	.0780	90.60	9.939	23.01	2.499	.0020	.9636	.0809	.0475
#2	.0919	.0772	90.34	9.961	23.06	2.497	.0018	.9832	.0812	.0481

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0061	.0014	.0002	.0008	1.834	.0043	.0523	3.156	-.0026	.1909
Stddev	.0008	.0004	.0006	.0010	.004	.0010	.0002	.002	.0012	.0020
%RSD	13.12	31.05	316.0	129.7	.2417	23.12	.4551	.0547	46.57	1.051
#1	-.0066	.0017	-.0003	.0001	1.831	.0036	.0524	3.157	-.0035	.1923
#2	-.0055	.0011	.0007	.0015	1.838	.0050	.0521	3.154	-.0018	.1895

Elem	W_2397	Zn2062	Zr3391
Avg	-.0046	.2142	.0196
Stddev	.0041	.0001	.0001
%RSD	88.75	.0299	.6290
#1	-.0074	.2141	.0196
#2	-.0017	.2142	.0197

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1490.3	58722.	11842.
Stddev	2.1	96.	98.
%RSD	.13848	.16268	.83066
#1	1491.8	58790.	11773.
#2	1488.9	58654.	11912.

Zoom In Zoom Out

Sample Name: MC23223-2 Acquired: 8/7/2013 20:13:42 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	131.8	.1357	-.0035	.0834	.7039	.0071	17.27	.0032	.1126
Stddev	.0007	.3	.0015	.0013	.0006	.0019	.0001	.05	.0000	.0004
%RSD	226.5	.2633	1.074	36.77	.7462	.2703	1.301	.2699	1.488	.3225
#1	-.0008	131.6	.1347	-.0044	.0838	.7026	.0071	17.24	.0032	.1129
#2	.0002	132.1	.1367	-.0026	.0830	.7052	.0070	17.31	.0033	.1124

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2244	.1649	223.1	17.08	38.68	3.509	.0057	20.03	.2828	.1052
Stddev	.0010	.0004	.1	.06	.13	.015	.0001	.06	.0007	.0007
%RSD	.4262	.2183	.0612	.3274	.3424	.4226	1.472	.2996	.2439	.6594
#1	.2237	.1646	223.0	17.04	38.59	3.498	.0057	19.99	.2833	.1057
#2	.2251	.1651	223.2	17.12	38.78	3.519	.0056	20.07	.2823	.1047

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0140	.0008	-.0002	-.0034	1.582	.0065	.1363	2.033	.0004	.3347
Stddev	.0012	.0027	.0001	.0011	.001	.0005	.0005	.007	.0017	.0032
%RSD	8.635	320.4	89.76	33.22	.0635	7.471	.3669	.3343	382.9	.9676
#1	-.0132	-.0011	-.0002	-.0026	1.581	.0062	.1360	2.038	-.0007	.3324
#2	-.0149	.0027	-.0001	-.0042	1.582	.0069	.1367	2.028	.0016	.3370

Elem	W_2397	Zn2062	Zr3391
Avg	-.0069	.6861	.1291
Stddev	.0031	.0017	.0019
%RSD	45.34	.2417	1.435
#1	-.0047	.6872	.1278
#2	-.0091	.6849	.1304

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1529.9	60461.	12135.
Stddev	3.3	33.	46.
%RSD	.21677	.05437	.37938
#1	1527.5	60484.	12168.
#2	1532.2	60438.	12103.

Zoom In Zoom Out

Sample Name: MC23223-4 Acquired: 8/7/2013 20:18:07 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0005	62.70	.1139	-.0056	.0570	.2203	.0032	F612.7	.0035
Stddev	.0001	.30	.0001	.0000	.0011	.0009	.0001	5.0	.0001
%RSD	27.47	.4852	.0777	.7765	1.918	.4257	2.137	.8235	1.746
#1	-.0006	62.49	.1140	-.0057	.0578	.2196	.0032	616.3	.0035
#2	-.0004	62.92	.1138	-.0056	.0563	.2209	.0033	609.2	.0034

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0765	.1319	.1643	138.5	9.868	144.3	4.778	.0101	6.628
Stddev	.0006	.0004	.0010	.6	.062	.4	.038	.0001	.051
%RSD	.8373	.3032	.6044	.4485	.6327	.2476	.7953	1.070	.7641
#1	.0760	.1322	.1650	138.1	9.824	144.0	4.805	.0100	6.592
#2	.0769	.1316	.1636	138.9	9.912	144.5	4.751	.0102	6.664

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.1797	.1090	-.0448	.0128	.0011	-.0023	3.033	.0036	.4719
Stddev	.0001	.0023	.0008	.0007	.0014	.0001	.002	.0003	.0027
%RSD	.0455	2.097	1.857	5.481	130.8	4.449	.0703	8.736	.5752
#1	.1797	.1074	-.0454	.0123	.0021	-.0024	3.035	.0039	.4699
#2	.1798	.1106	-.0442	.0133	.0001	-.0022	3.032	.0034	.4738

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	2.089	-.0005	.1796	-.0095	.3940	.0743
Stddev	.002	.0013	.0017	.0039	.0003	.0004
%RSD	.1085	249.3	.9650	41.78	.0651	.4985
#1	2.090	-.0014	.1784	-.0122	.3942	.0740
#2	2.087	.0004	.1808	-.0067	.3938	.0746

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1385.1	55336.	11372.
Stddev	1.5	151.	8.
%RSD	.11183	.27370	.06708
#1	1386.2	55229.	11367.
#2	1384.0	55444.	11377.

Zoom In Zoom Out

Sample Name: MC23223-12 Acquired: 8/7/2013 20:22:36 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	122.0	.1138	-.0135	.1057	.5779	.0067	353.0	.0031	.1157
Stddev	.0013	.6	.0029	.0022	.0001	.0022	.0001	3.5	.0000	.0007
%RSD	324.9	.4751	2.521	16.33	.0487	.3798	1.620	.9853	.3641	.5928
#1	-.0013	121.6	.1158	-.0120	.1057	.5763	.0067	350.5	.0031	.1162
#2	.0005	122.4	.1118	-.0151	.1058	.5794	.0068	355.4	.0031	.1152

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1997	.1785	215.4	17.38	211.8	8.680	.0069	18.33	.2586	.1049
Stddev	.0004	.0003	.6	.06	.7	.005	.0001	.08	.0003	.0005
%RSD	.1885	.1672	.2857	.3220	.3397	.0534	.7265	.4428	.1016	.4723
#1	.1999	.1783	214.9	17.34	211.2	8.683	.0069	18.27	.2588	.1052
#2	.1994	.1787	215.8	17.42	212.3	8.676	.0069	18.39	.2584	.1045

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0364	.0262	.0008	-.0053	1.934	.0073	.2195	2.112	.0011	.3430
Stddev	.0002	.0007	.0002	.0022	.004	.0011	.0010	.001	.0005	.0035
%RSD	.5256	2.741	19.99	41.22	.2335	15.26	.4773	.0283	42.89	1.008
#1	-.0365	.0267	.0009	-.0068	1.937	.0066	.2188	2.112	.0008	.3405
#2	-.0363	.0257	.0007	-.0037	1.931	.0081	.2203	2.112	.0014	.3454

Elem	W_2397	Zn2062	Zr3391
Avg	.0036	.4196	.1488
Stddev	.0027	.0011	.0010
%RSD	75.32	.2613	.6793
#1	.0017	.4203	.1481
#2	.0055	.4188	.1495

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1431.0	57392.	11655.
Stddev	1.5	73.	10.
%RSD	.10400	.12783	.08817
#1	1430.0	57340.	11663.
#2	1432.1	57444.	11648.

Zoom In Zoom Out

Sample Name: MC23223-15 Acquired: 8/7/2013 20:27:04 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	126.5	.1803	-.0067	.0926	.7907	.0079	266.5	.0042	.1189
Stddev	.0009	1.9	.0018	.0001	.0011	.0116	.0002	4.6	.0000	.0003
%RSD	144.1	1.504	.9839	.9367	1.148	1.466	2.618	1.707	.6949	.2524
#1	-.0012	125.2	.1791	-.0067	.0918	.7825	.0077	263.3	.0042	.1186
#2	.0000	127.9	.1816	-.0067	.0933	.7989	.0080	269.8	.0042	.1191

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2016	.1703	295.3	16.80	149.1	4.388	.0143	13.31	.2649	.0973
Stddev	.0008	.0004	1.9	.09	2.1	.004	.0005	.19	.0004	.0001
%RSD	.3841	.2290	.6353	.5369	1.409	.0976	3.436	1.457	.1576	.0628
#1	.2010	.1700	294.0	16.73	147.6	4.391	.0139	13.18	.2646	.0973
#2	.2021	.1705	296.6	16.86	150.6	4.385	.0146	13.45	.2652	.0972

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0329	.0088	.0004	-.0084	2.435	.0071	.2167	1.498	.0018	.4720
Stddev	.0006	.0028	.0003	.0020	.015	.0003	.0031	.001	.0010	.0092
%RSD	1.847	31.80	62.31	23.59	.6275	3.926	1.448	.0336	57.21	1.951
#1	-.0333	.0108	.0002	-.0099	2.425	.0069	.2145	1.498	.0025	.4655
#2	-.0324	.0068	.0006	-.0070	2.446	.0073	.2189	1.499	.0011	.4785

Elem	W_2397	Zn2062	Zr3391
Avg	-.0018	.4617	.1416
Stddev	.0068	.0007	.0018
%RSD	371.5	.1430	1.297
#1	-.0067	.4613	.1403
#2	.0030	.4622	.1429

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1445.5	58615.	11574.
Stddev	3.5	308.	170.
%RSD	.23899	.52553	1.4705
#1	1448.0	58398.	11694.
#2	1443.1	58833.	11454.

Zoom In Zoom Out

Sample Name: MP21470-PS1 Acquired: 8/7/2013 20:31:38 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	74.37	.0410	-.0017	.0215	1.288	.0049	17.27	.0019	.0568
Stddev	.0005	.02	.0001	.0011	.0009	.002	.0001	.00	.0002	.0004
%RSD	82.21	.0225	.1298	62.91	4.051	.1437	2.306	.0215	8.459	.7295
#1	-.0010	74.38	.0411	-.0009	.0221	1.287	.0048	17.26	.0018	.0571
#2	-.0003	74.35	.0410	-.0024	.0208	1.289	.0050	17.27	.0020	.0565

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1411	.0771	133.0	5.851	17.36	2.445	.0011	.8264	.0966	1.189
Stddev	.0014	.0013	.1	.003	.05	.001	.0001	.0077	.0003	.001
%RSD	.9676	1.745	.0846	.0495	.2762	.0364	8.839	.9311	.3123	.1129
#1	.1421	.0781	133.0	5.849	17.39	2.446	.0012	.8210	.0968	1.188
#2	.1402	.0762	133.1	5.853	17.32	2.445	.0010	.8318	.0964	1.190

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0040	.0033	-.0002	-.0009	6.126	.0078	.0873	2.032	.0032	.2596
Stddev	.0011	.0035	.0001	.0011	.031	.0004	.0001	.012	.0005	.0041
%RSD	27.77	104.5	41.31	119.4	.5114	4.548	.1276	.5832	16.51	1.567
#1	-.0032	.0009	-.0001	-.0001	6.104	.0076	.0874	2.040	.0028	.2625
#2	-.0048	.0058	-.0003	-.0017	6.148	.0081	.0872	2.023	.0036	.2567

Elem	W_2397	Zn2062	Zr3391
Avg	-.0006	.3806	.0694
Stddev	.0021	.0004	.0012
%RSD	328.2	.0951	1.756
#1	.0008	.3803	.0702
#2	-.0021	.3809	.0685

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1544.5	61825.	11919.
Stddev	1.3	33.	76.
%RSD	.08271	.05284	.63859
#1	1545.4	61848.	11865.
#2	1543.6	61802.	11973.

Zoom In Zoom Out

Sample Name: RINSECONF Acquired: 8/7/2013 20:35:56 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0107	.0005	.0024	-.0001	-.0002	.0001	.0018	-.0002	.0001
Stddev	.0001	.0024	.0007	.0003	.0002	.0001	.0000	.0005	.0001	.0004
%RSD	24.51	22.83	134.6	12.22	182.7	66.77	40.21	30.65	47.82	465.9
#1	-.0003	.0090	.0010	.0022	-.0003	-.0001	.0000	.0021	-.0003	.0004
#2	-.0002	.0124	.0000	.0026	.0000	-.0003	.0001	.0014	-.0001	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0004	.0006	.0124	.0555	-.0272	.0001	.0004	-.0061	-.0003	.0015
Stddev	.0000	.0003	.0008	.0258	.0141	.0001	.0001	.0151	.0002	.0001
%RSD	1.743	51.35	6.719	46.49	52.00	87.85	24.33	247.5	81.88	5.846
#1	-.0004	.0004	.0118	.0372	-.0172	.0000	.0003	-.0168	-.0001	.0014
#2	-.0004	.0008	.0130	.0737	-.0371	.0002	.0004	.0046	-.0004	.0015

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0019	-.0009	.0010	.0006	.0094	-.0002	-.0002	-.0002	-.0024	.0008
Stddev	.0008	.0024	.0000	.0002	.0001	.0001	.0001	.0001	.0003	.0002
%RSD	38.80	261.7	2.217	34.80	.7621	40.11	59.86	66.84	12.00	20.61
#1	-.0025	-.0026	.0010	.0008	.0094	-.0001	-.0003	-.0003	-.0022	.0007
#2	-.0014	.0008	.0010	.0005	.0095	-.0002	-.0001	-.0001	-.0026	.0009

Elem	W_2397	Zn2062	Zr3391
Avg	-.0054	-.0001	.0017
Stddev	.0023	.0001	.0001
%RSD	42.61	78.32	6.331
#1	-.0071	-.0001	.0017
#2	-.0038	-.0002	.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1394.2	54993.	10676.
Stddev	3.4	55.	93.
%RSD	.24157	.10045	.87266
#1	1396.6	54954.	10741.
#2	1391.8	55032.	10610.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 20:40:20 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2481	9.972	1.991	-.0022	2.034	1.849	1.908	9.631	2.006	2.075
Stddev	.0006	.024	.004	.0003	.003	.003	.004	.020	.002	.004
%RSD	.2382	.2420	.1846	11.20	.1327	.1430	.2139	.2093	.1109	.1785
#1	.2485	9.955	1.994	-.0021	2.036	1.848	1.905	9.617	2.007	2.078
#2	.2477	9.989	1.988	-.0024	2.032	1.851	1.911	9.645	2.004	2.072

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.944	1.989	9.327	9.388	9.288	2.019	2.001	9.955	1.937	1.931
Stddev	.001	.000	.003	.024	.042	.003	.003	.028	.004	.003
%RSD	.0237	.0209	.0313	.2557	.4516	.1314	.1339	.2808	.1859	.1343
#1	1.944	1.988	9.329	9.371	9.259	2.021	2.003	9.935	1.939	1.933
#2	1.943	1.989	9.325	9.405	9.318	2.017	1.999	9.975	1.934	1.929

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0011	.0021	2.013	2.006	.1192	2.005	1.941	1.984	2.014	2.001
Stddev	.0014	.0037	.003	.000	.0010	.007	.003	.000	.000	.004
%RSD	131.8	179.3	.1669	.0062	.8510	.3437	.1625	.0132	.0030	.2171
#1	-.0020	.0047	2.015	2.006	.1199	2.010	1.938	1.984	2.014	2.004
#2	-.0001	-.0006	2.010	2.006	.1185	2.000	1.943	1.985	2.014	1.998

Elem	W_2397	Zn2062	Zr3391
Avg	-.0004	1.892	.0085
Stddev	.0034	.004	.0017
%RSD	930.3	.2141	19.74
#1	-.0028	1.894	.0097
#2	.0020	1.889	.0073

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1365.0	53842.	10680.
Stddev	2.3	54.	44.
%RSD	.16866	.09966	.41438
#1	1363.4	53880.	10711.
#2	1366.6	53804.	10649.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 20:44:34 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	.0017	.0012	.0010	.0034	-.0001	.0001	-.0011	.0000	.0003
Stddev	.0003	.0022	.0008	.0004	.0004	.0002	.0001	.0027	.0000	.0002
%RSD	570.6	133.2	67.70	39.11	11.82	154.0	134.3	238.2	81.45	60.61
#1	-.0003	.0032	.0006	.0012	.0037	.0000	.0002	.0008	.0000	.0002
#2	.0002	.0001	.0018	.0007	.0031	-.0003	.0000	-.0030	.0000	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0006	.0004	-.0002	.0201	.0021	.0000	.0024	-.0145	-.0002	.0018
Stddev	.0002	.0000	.0009	.0199	.0077	.0000	.0007	.0077	.0000	.0004
%RSD	39.02	4.124	365.5	98.84	371.2	187.2	28.66	52.90	25.74	24.21
#1	-.0004	.0004	-.0009	.0342	.0075	.0000	.0028	-.0199	-.0001	.0015
#2	-.0008	.0004	.0004	.0061	-.0033	.0001	.0019	-.0091	-.0002	.0021

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0014	-.0050	.0008	.0015	.0068	.0007	.0000	-.0001	-.0001	.0009
Stddev	.0004	.0043	.0007	.0005	.0006	.0001	.000	.0001	.0000	.0008
%RSD	27.68	85.62	88.99	37.50	8.347	12.77	48.70	70.17	57.59	88.42
#1	-.0017	-.0020	.0012	.0018	.0064	.0007	-.0001	-.0001	-.0001	.0015
#2	-.0011	-.0080	.0003	.0011	.0072	.0006	.0000	.0000	.0000	.0003

Elem	W_2397	Zn2062	Zr3391
Avg	-.0044	.0000	-.0001
Stddev	.0042	.000	.0000
%RSD	93.81	373.6	23.53
#1	-.0074	.0000	-.0001
#2	-.0015	.0000	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1379.2	54305.	10619.
Stddev	.4	201.	52.
%RSD	.03204	.36951	.49024
#1	1379.6	54447.	10656.
#2	1378.9	54164.	10583.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 8/7/2013 20:49:00 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0051	.2040	.0107	.0009	.1050	.0478	.0041	4.866	.0042	.0525
Stddev	.0009	.0008	.0015	.0000	.0002	.0001	.0000	.015	.0001	.0001
%RSD	17.37	.4058	14.25	1.167	.1662	.2440	.2654	.3013	3.531	.1338
#1	.0045	.2046	.0097	.0009	.1048	.0477	.0041	4.855	.0041	.0525
#2	.0057	.2034	.0118	.0009	.1051	.0479	.0041	4.876	.0043	.0524

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0093	.0260	.1001	4.844	4.551	.0159	.1030	5.075	.0396	.0112
Stddev	.0001	.0006	.0033	.010	.015	.0001	.0002	.002	.0005	.0005
%RSD	1.434	2.349	3.277	.2135	.3205	.8052	.1946	.0439	1.315	4.068
#1	.0092	.0265	.0977	4.836	4.541	.0160	.1028	5.073	.0400	.0115
#2	.0094	.0256	.1024	4.851	4.561	.0158	.1031	5.076	.0392	.0109

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0022	-.0040	.0115	.0105	.0365	.0980	.0097	.0503	.0079	.0110
Stddev	.0002	.0024	.0009	.0005	.0003	.0001	.0000	.0003	.0001	.0008
%RSD	8.452	60.07	8.118	4.310	.8972	.1137	.2269	.4991	1.078	7.660
#1	-.0023	-.0057	.0108	.0108	.0363	.0980	.0097	.0504	.0080	.0115
#2	-.0021	-.0023	.0121	.0101	.0368	.0981	.0097	.0501	.0079	.0104

Elem	W_2397	Zn2062	Zr3391
Avg	-.0065	.0200	.0003
Stddev	.0040	.0000	.0000
%RSD	62.57	.1569	3.486
#1	-.0036	.0200	.0003
#2	-.0093	.0199	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1378.7	54242.	10727.
Stddev	2.2	76.	96.
%RSD	.15654	.13967	.89222
#1	1380.2	54188.	10795.
#2	1377.2	54296.	10659.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 8/7/2013 20:53:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	507.2	-.0004	.0036	.0044	-.0010	.0000	432.2	.0007	.0022
Stddev	.0002	9.0	.0001	.0019	.0002	.0001	.000	10.3	.0000	.0002
%RSD	63.00	1.779	13.91	53.62	4.599	6.520	206.1	2.382	7.085	10.41
#1	.0002	513.6	-.0004	.0022	.0046	-.0010	.0000	439.5	.0007	.0020
#2	.0005	500.8	-.0003	.0050	.0043	-.0009	-.0001	424.9	.0007	.0024

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0007	173.8	.0459	458.7	.0001	-.0003	.0595	-.0005	-.0014
Stddev	.0004	.0003	1.8	.0204	5.1	.0002	.0000	.0098	.0004	.0006
%RSD	176.3	34.55	1.056	44.55	1.113	297.2	2.896	16.52	97.86	38.56
#1	-.0001	.0006	175.1	.0604	462.3	-.0001	-.0003	.0665	-.0001	-.0018
#2	.0005	.0009	172.5	.0314	455.1	.0002	-.0003	.0526	-.0008	-.0010

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0370	-.0259	-.0009	-.0057	.0611	.0004	.0010	.0084	.0011	.0011
Stddev	.0035	.0039	.0004	.0016	.0017	.0002	.0003	.0002	.0003	.0004
%RSD	9.596	15.23	42.67	28.73	2.800	58.04	24.70	2.252	24.89	34.97
#1	-.0345	-.0231	-.0006	-.0045	.0599	.0006	.0009	.0085	.0009	.0009
#2	-.0395	-.0287	-.0012	-.0069	.0623	.0002	.0012	.0082	.0013	.0014

Elem	W_2397	Zn2062	Zr3391
Avg	-.0397	-.0006	.0008
Stddev	.0026	.0004	.0004
%RSD	6.578	65.73	53.94
#1	-.0378	-.0003	.0011
#2	-.0415	-.0009	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1241.8	50276.	10506.
Stddev	2.8	45.	162.
%RSD	.22370	.08857	1.5422
#1	1239.8	50245.	10391.
#2	1243.8	50308.	10620.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 8/7/2013 20:57:51 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.076	523.6	2.153	.4927	1.118	.4819	.4569	443.2	1.102	.5272
Stddev	.003	.5	.005	.0018	.002	.0008	.0016	2.1	.001	.0008
%RSD	.2751	.1012	.2117	.3718	.2061	.1742	.3411	.4789	.0870	.1455
#1	1.074	523.3	2.150	.4940	1.117	.4813	.4558	441.7	1.101	.5266
#2	1.078	524.0	2.156	.4914	1.120	.4825	.4580	444.7	1.102	.5277

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4849	.5355	176.1	.0644	465.4	.4933	1.041	.0596	.9534	.9981
Stddev	.0020	.0008	.4	.0355	.6	.0010	.002	.0043	.0000	.0030
%RSD	.4112	.1547	.2162	55.16	.1272	.2008	.2349	7.214	.0045	.2960
#1	.4835	.5349	175.8	.0393	464.9	.4926	1.039	.0566	.9534	.9960
#2	.4863	.5361	176.3	.0896	465.8	.4940	1.043	.0627	.9534	1.000

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.5088	.4799	2.196	2.139	2.245	1.061	.9676	.5092	2.169	.5165
Stddev	.0018	.0003	.005	.001	.003	.001	.0021	.0025	.005	.0054
%RSD	.3573	.0542	.2080	.0323	.1465	.1026	.2195	.4862	.2222	1.047
#1	.5101	.4800	2.193	2.139	2.247	1.061	.9661	.5074	2.165	.5126
#2	.5075	.4797	2.199	2.138	2.242	1.060	.9691	.5109	2.172	.5203

Elem	W_2397	Zn2062	Zr3391
Avg	1.794	.9279	.4411
Stddev	.025	.0001	.0021
%RSD	1.394	.0161	.4793
#1	1.776	.9278	.4396
#2	1.811	.9280	.4426

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1254.0	50558.	10384.
Stddev	1.3	50.	7.
%RSD	.10018	.09889	.06773
#1	1253.1	50594.	10379.
#2	1254.9	50523.	10389.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 21:02:16 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2471	10.03	2.007	-.0020	2.043	1.843	1.908	9.731	2.004	2.085
Stddev	.0003	.02	.003	.0011	.001	.002	.001	.005	.003	.005
%RSD	.1230	.2116	.1245	55.61	.0516	.1171	.0606	.0482	.1525	.2289
#1	.2469	10.02	2.005	-.0028	2.043	1.844	1.909	9.728	2.006	2.089
#2	.2473	10.05	2.009	-.0012	2.042	1.841	1.907	9.734	2.002	2.082

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.951	2.001	9.314	9.345	9.265	2.028	2.012	9.958	1.943	1.941
Stddev	.002	.000	.021	.021	.060	.003	.001	.012	.004	.003
%RSD	.1227	.0045	.2200	.2230	.6514	.1427	.0643	.1216	.2069	.1529
#1	1.949	2.001	9.328	9.360	9.222	2.026	2.013	9.950	1.946	1.943
#2	1.952	2.001	9.299	9.330	9.307	2.030	2.011	9.967	1.940	1.939

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0025	-.0022	2.015	2.019	.1161	2.018	1.936	1.991	2.029	2.014
Stddev	.0013	.0008	.003	.004	.0018	.001	.004	.002	.003	.001
%RSD	51.80	36.41	.1373	.1753	1.516	.0570	.1819	.1156	.1675	.0474
#1	-.0034	-.0027	2.017	2.021	.1174	2.018	1.939	1.989	2.032	2.014
#2	-.0016	-.0016	2.013	2.016	.1149	2.017	1.934	1.993	2.027	2.015

Elem	W_2397	Zn2062	Zr3391
Avg	.0129	1.906	.0106
Stddev	.0051	.005	.0030
%RSD	39.57	.2471	28.54
#1	.0166	1.909	.0127
#2	.0093	1.903	.0084

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1381.4	54432.	10774.
Stddev	1.5	95.	11.
%RSD	.10576	.17395	.09954
#1	1380.4	54499.	10782.
#2	1382.4	54365.	10766.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 21:06:29 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	.0221	.0007	.0016	.0045	.0000	.0002	.0135	.0000	.0004
Stddev	.0001	.0018	.0001	.0018	.0002	.000	.0000	.0014	.0001	.0001
%RSD	12.33	8.257	8.290	117.2	5.281	705.4	2.095	10.11	232.1	31.84
#1	.0006	.0209	.0007	.0029	.0047	-.0001	.0002	.0145	.0001	.0005
#2	.0005	.0234	.0008	.0003	.0044	.0001	.0002	.0126	.0000	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0004	.0011	.0031	.0687	-.0249	.0000	.0026	.0002	.0001	.0018
Stddev	.0002	.0000	.0037	.0271	.0118	.0000	.0008	.0005	.0000	.0002
%RSD	51.36	3.558	119.7	39.53	47.53	35.32	29.81	243.3	26.04	12.62
#1	-.0003	.0011	.0005	.0878	-.0165	.0000	.0032	-.0002	.0001	.0019
#2	-.0005	.0011	.0058	.0495	-.0332	.0000	.0021	.0006	.0001	.0016

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0018	-.0045	.0014	.0019	.0064	.0009	-.0001	-.0002	.0013	.0008
Stddev	.0005	.0008	.0003	.0005	.0012	.0003	.0000	.0004	.0012	.0000
%RSD	24.79	18.07	18.37	26.84	19.39	39.16	41.44	215.4	94.49	1.371
#1	-.0015	-.0039	.0012	.0023	.0073	.0011	-.0001	-.0005	.0021	.0008
#2	-.0022	-.0051	.0016	.0015	.0055	.0006	-.0001	.0001	.0004	.0009

Elem	W_2397	Zn2062	Zr3391
Avg	.0013	.0002	-.0003
Stddev	.0042	.0001	.0002
%RSD	313.8	69.72	61.96
#1	.0043	.0003	-.0001
#2	-.0016	.0001	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1403.5	54655.	10553.
Stddev	4.9	239.	652.
%RSD	.35162	.43662	6.1829
#1	1400.1	54486.	10091.
#2	1407.0	54824.	11014.

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	0.000017	0.000000	No
			Co	-0.000006	0.000000	No
			Mn	0.000137	0.000000	No
			Mo	-0.000162	0.000000	No
			Cu	0.000019	0.000000	No
			Ti	-0.000128	0.000000	No
			Al	-0.000002	0.000000	No
			Zr	0.003788	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.002364	0.000000	No
			Mo	0.041263	0.000000	No
			Ca	0.000141	0.000000	No
As 189.042 {479}	☒	9	V	0.000189	0.000000	No
			Al	0.000019	0.000000	No
			Mo	0.000740	0.000000	No
			Fe	0.000004	0.000000	No
			Mn	0.000152	0.000000	No
			Ca	0.000004	0.000000	No
			Mg	0.000002	0.000000	No
			Cr	0.000258	0.000000	No
			Na	-0.000000	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000122	0.000000	No
			Mn	0.010681	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.014361	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000005	0.000000	No
Be 313.042 {108}	☒	3	V	0.000021	0.000000	No
			Mo	-0.000032	0.000000	No
			Ti	-0.000279	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	5	Ni	-0.000027	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000011	0.000000	No
			Ca	0.000001	0.000000	No
			Pt	-0.011956	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000053	0.000000	No
			Mo	-0.000136	0.000000	No
			Ti	0.002259	0.000000	No
			Ca	-0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000004	0.000000	No
			Mn	0.000091	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000084	0.000000	No
			V	-0.000207	0.000000	No
			Mo	0.000473	0.000000	No
			Co	-0.000350	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000483	0.000000	No
			Co	0.000765	0.000000	No
			Cr	0.002515	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000008	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000129	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Al	0.000546	0.000000	No
Ni 231.604 {446}	☒	3	Mo	0.000178	0.000000	No
			Fe	0.000011	0.000000	No
			Ca	-0.000001	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000074	0.000000	No
			Mn	0.000186	0.000000	No
			Mo	-0.001587	0.000000	No
			Co	0.000092	0.000000	No
			Cu	0.000188	0.000000	No
			Ca	0.000000	0.000000	No
			Fe	0.000035	0.000000	No
			Mg	0.000005	0.000000	No
			Ni	0.000225	0.000000	No
			Si	0.000281	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000351	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.007692	0.000000	No
			Ni	0.000902	0.000000	No
			Mn	-0.007038	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
Sb 206.833 {463}	☒	12	Al	0.000002	0.000000	No
			Fe	0.000013	0.000000	No
			Cr	0.008643	0.000000	No
			Mo	-0.000086	0.000000	No
			Mg	-0.000001	0.000000	No
			Ni	0.000013	0.000000	No
			V	-0.001589	0.000000	No
			Ca	0.000002	0.000000	No
			Ti	-0.000210	0.000000	No
			Cu	0.000176	0.000000	No
			Sn	-0.007401	0.000000	No
			Pt	-0.002057	0.000000	No
Se 196.090 {472}	☒	8	Al	-0.000003	0.000000	No
			Fe	-0.000184	0.000000	No
			Mn	0.000380	0.000000	No
			Mo	0.000059	0.000000	No
			Ca	-0.000002	0.000000	No
			Na	0.000000	0.000000	No
			Co	-0.000586	0.000000	No
			Pd	-0.003371	0.000000	No
Si 212.412 {459}	☒	3	V	0.027489	0.000000	No
			Ti	0.015670	0.000000	No
			Mo	0.031283	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.000822	0.000000	No
			Cr	-0.000079	0.000000	No
			V	-0.028580	0.000000	No
			Co	0.001503	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Al	-0.000009	0.000000	No
				Fe	0.000007	0.000000	No
				Ti	-0.001590	0.000000	No
				Mo	-0.000147	0.000000	No
				Ca	-0.000005	0.000000	No
				Na	0.000006	0.000000	No
	V 292.402 {115}	☒	3	Ti	0.000455	0.000000	No
				Mo	-0.000818	0.000000	No
				Fe	0.000018	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000106	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000013	0.000000	No
				Mn	-0.000026	0.000000	No
				Ni	0.000026	0.000000	No
				Cr	-0.000478	0.000000	No
				Mo	0.000147	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000003	0.000000	No
				Na	0.000000	0.000000	No
	Zr 339.198 { 99}	☒	6	Si	0.000182	0.000000	No
				Ti	0.000195	0.000000	No
				Fe	0.000024	0.000000	No
				Sn	0.002296	0.000000	No
				Au	0.002269	0.000000	No
				Ba	0.000845	0.000000	No

Folder: #HG18 **PUBLIC FOLDER ** Page 1
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 775	09:19:27 13 Aug 13	HG		
Hg	.000	ppb	361					
*** Standard: 2 Rep: 1				Seq: 776	09:21:49 13 Aug 13	HG		
Hg	.200	ppb	1684					
*** Standard: 3 Rep: 1				Seq: 777	09:24:52 13 Aug 13	HG		
Hg	.500	ppb	4171					
*** Standard: 4 Rep: 1				Seq: 778	09:27:15 13 Aug 13	HG		
Hg	1.00	ppb	7893					
*** Standard: 5 Rep: 1				Seq: 779	09:30:12 13 Aug 13	HG		
Hg	2.00	ppb	16087					
*** Standard: 6 Rep: 1				Seq: 780	09:33:18 13 Aug 13	HG		
Hg	3.00	ppb	23993					
*** Standard: 7 Rep: 1				Seq: 781	09:35:41 13 Aug 13	HG		
Hg	4.00	ppb	31303					
*** Standard: 8 Rep: 1				Seq: 782	09:38:46 13 Aug 13	HG		
Hg	5.00	ppb	38097					
*** Standard: 9 Rep: 1				Seq: 783	09:41:09 13 Aug 13	HG		
Hg	6.00	ppb	45395					
*** Sample ID: ICV			H2081313S1	Seq: 784	09:44:08 13 Aug 13	HG		
Hg	3.61	ppb	.000	3.61				
*** Sample ID: ICB			H2081313S1	Seq: 785	09:46:33 13 Aug 13	HG		
Hg	-.038	ppb	.000	-.038				

Folder: #HG18 **PUBLIC FOLDER ** Page 2
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCV H2081313S1 Seq: 786 09:49:18 13 Aug 13 HG								
Hg	3.02	ppb	.000	3.02				
*** Sample ID: CCB H2081313S1 Seq: 787 09:51:40 13 Aug 13 HG								
Hg	-.018	ppb	.000	-.018				
*** Sample ID: CRI H2081313S1 Seq: 788 09:54:03 13 Aug 13 HG								
Hg	.168	ppb	.000	.168				
*** Sample ID: MP21487MB1 H2081313S1 Seq: 789 09:57:44 13 Aug 13 HG								
Hg	-.057	ppb	.000	-.057				
*** Sample ID: MP21487-B1 H2081313S1 Seq: 790 10:00:18 13 Aug 13 HG								
Hg	2.79	ppb	.000	2.79				
*** Sample ID: MP21487-B2 H2081313S1 Seq: 791 10:02:51 13 Aug 13 HG								
Hg	2.76	ppb	.000	2.76				
*** Sample ID: MP21487-S1 H2081313S1 Seq: 792 10:05:36 13 Aug 13 HG MC23415-1								
Hg	5.26	ppb	.000	5.26				
*** Sample ID: MP21487-S2 H2081313S1 Seq: 793 10:08:14 13 Aug 13 HG MC23415-1								
Hg	4.70	ppb	.000	4.70				
*** Sample ID: MC23415-1 H2081313S1 Seq: 794 10:10:36 13 Aug 13 HG								
Hg	1.99	ppb	.000	1.99				
*** Sample ID: MP21487LC1 H2081313S1 Seq: 795 10:13:01 13 Aug 13 HG Wgt 1.0000 Vol 10.000								
Hg	24.2	ppb	.000	24.2				

13.2
13

Folder: #HG18 **PUBLIC FOLDER ** Page 3
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC23272-6 H2081313S1 Seq: 796 10:15:33 13 Aug 13 HG								
Hg	.541	ppb	.000	.541				
*** Sample ID: MC23273-23 H2081313S1 Seq: 797 10:18:05 13 Aug 13 HG								
Hg	-.010	ppb	.000	-.010				
*** Sample ID: CCV H2081313S1 Seq: 798 10:23:23 13 Aug 13 HG								
Hg	2.63	ppb	.000	2.63				
*** Sample ID: CCB H2081313S1 Seq: 799 10:25:48 13 Aug 13 HG								
Hg	-.052	ppb	.000	-.052				
*** Sample ID: MC23391-1 H2081313S1 Seq: 800 10:28:11 13 Aug 13 HG								
Hg	.331	ppb	.000	.331				
*** Sample ID: MC23391-2 H2081313S1 Seq: 801 10:31:08 13 Aug 13 HG								
Hg	.074	ppb	.000	.074				
*** Sample ID: MC23391-3 H2081313S1 Seq: 802 10:33:32 13 Aug 13 HG								
Hg	.080	ppb	.000	.080				
*** Sample ID: MC23391-4 H2081313S1 Seq: 803 10:36:14 13 Aug 13 HG								
Hg	.169	ppb	.000	.169				
*** Sample ID: MC23391-5 H2081313S1 Seq: 804 10:38:59 13 Aug 13 HG								
Hg	.142	ppb	.000	.142				
*** Sample ID: MC23391-6 H2081313S1 Seq: 805 10:41:25 13 Aug 13 HG								
Hg	-.060	ppb	.000	-.060				

Folder: #HG18 **PUBLIC FOLDER ** Page 4
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC23391-7 H2081313S1 Seq: 806 10:43:48 13 Aug 13 HG								
Hg	.171	ppb	.000	.171				
*** Sample ID: MC23391-8 H2081313S1 Seq: 807 10:46:21 13 Aug 13 HG								
Hg	-.041	ppb	.000	-.041				
*** Sample ID: MC23391-9 H2081313S1 Seq: 808 10:48:56 13 Aug 13 HG								
Hg	.267	ppb	.000	.267				
*** Sample ID: MC23391-10 H2081313S1 Seq: 809 10:51:19 13 Aug 13 HG								
Hg	.293	ppb	.000	.293				
*** Sample ID: CCV H2081313S1 Seq: 810 10:55:44 13 Aug 13 HG								
Hg	3.01	ppb	.000	3.01				
*** Sample ID: CCB H2081313S1 Seq: 811 10:58:28 13 Aug 13 HG								
Hg	-.038	ppb	.000	-.038				
*** Sample ID: MC23404-2 H2081313S1 Seq: 812 11:00:50 13 Aug 13 HG								
Hg	-.006	ppb	.000	-.006				
*** Sample ID: MC23416-1 H2081313S1 Seq: 813 11:03:13 13 Aug 13 HG								
Hg	.212	ppb	.000	.212				
*** Sample ID: MC23435-1 H2081313S1 Seq: 814 11:05:36 13 Aug 13 HG								
Hg	-.032	ppb	.000	-.032				
*** Sample ID: MC23435-2 H2081313S1 Seq: 815 11:08:04 13 Aug 13 HG								
Hg	-.051	ppb	.000	-.051				

Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC23435-3 H2081313S1 Seq: 816 11:10:32 13 Aug 13 HG								
Hg	-.041	ppb	.000	-.041				
*** Sample ID: MC23435-4 H2081313S1 Seq: 817 11:13:05 13 Aug 13 HG								
Hg	-.031	ppb	.000	-.031				
*** Sample ID: MC23435-5 H2081313S1 Seq: 818 11:15:38 13 Aug 13 HG								
Hg	-.021	ppb	.000	-.021				
*** Sample ID: CRI H2081313S1 Seq: 819 11:19:29 13 Aug 13 HG								
Hg	.159	ppb	.000	.159				
*** Sample ID: CRI H2081313S1 Seq: 820 11:21:55 13 Aug 13 HG								
Hg	.208	ppb	.000	.208				
*** Sample ID: CCV H2081313S1 Seq: 821 11:24:17 13 Aug 13 HG								
Hg	2.96	ppb	.000	2.96				
*** Sample ID: CCB H2081313S1 Seq: 822 11:26:43 13 Aug 13 HG								
Hg	-.042	ppb	.000	-.042				

Prep QC: MP21470

ACCUTEST

Date:	08/07/13
Time	11:00

Name:	ERICM
MP Batch ID:	MP21470
QC Sample ID:	JB42561-22T

Reagent Lot #	
1:1 HNO3	RGT-36720-METALS
1:1 HCL	RGT-36811-METALS
Conc HNO3	VENDOR-13688
H2O2	VENDOR-13257
LCS	VENDOR-13656
Filter Paper Lot #	11013171
Digetion Tube Lot #	MM01LKK0; MH21KK06

Aqueous EPA 200.7/ 200.8	○
Aqueous SW846 3010A	○
Soil- SW846 3050B	◉

ML Used	Spike Lot#
1	RGT-36830-METALS
1	RGT-36766-METALS
1	RGT-36812-METALS
1	RGT-36794-METALS
Spike ID	MPICP

Dig Block ID:	5	Therm ID	QA010	Temp. C	95	Factor	-1.5	Corrected Temp C	93.5
Dig Block ID:		Therm ID		Temp. C		Factor		Corrected Temp C	
Balance ID:	ACC-3	Repipetor ID	3						

Note: (A)Serial dilution shown for QC purposes only (not a seperate digestion). (B) For DW samples <1NTU, measure pH prior to analysis.

Bot#	Sample #	Initial G	Final (ML)			1:1 HNO3 (ML)	Conc. HNO3 (ML)	1:1 HCL (ML)	H2O2 (ML)	Comment
	MP21470-LC1	1	100			10	5	10	3	
	MP21470-MB1	1	100			10	5	10	3	
	MP21470-B1	1	100			10	5	10	3	
1	MP21470-S1	1.35	100			10	5	10	3	
1	MP21470-SD1	1.35	100			10	5	10	3	
1	MP21470-S2	1.35	100			10	5	10	3	
1	JB42561-22T	1.35	100			10	5	10	3	
1	MC23272-6	1.19	100			10	5	10	3	
1	MC23273-23	1.17	100			10	5	10	3	

Protected Worksheet MMP003-02 QC Review EAL Date: 08/07/13

(Format edits must be done by dept. Manager)

13.3.1 13

HG SO: SW846 7471B

AQ ○ SO ◉ **Analysis: Hg**

Protected Worksheet
Format edits must be done by Dept. Manager

MP#	MP21487	Date	8/12/13	Balance ID	ACC-3	Pipet ID	N/A	Prep Analyst	EM				
Dig Block ID	5	Therm ID	QA010	Temp	96	Factor	-1.5	Corr. Temp. Deg C	94.5	Start Time	9:15	End Time	9:45
Dig Block ID	5	Therm ID	QA010	Temp	96	Factor	-1.5	Corr. Temp. Deg C	94.5	Start Time	10:02	End Time	10:32
MA#	MA15973	Date	8/13/13	Run File	H2081313S1.PRN			Calib File	2081313S			Analyst	SARAHA

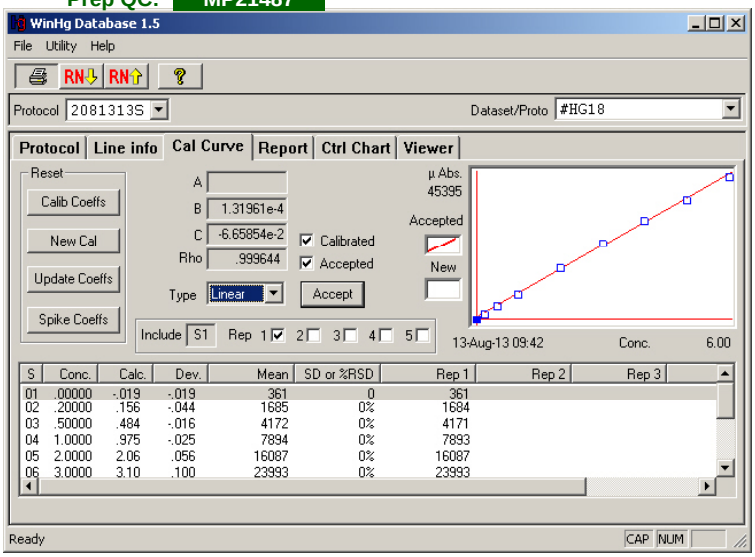
Bot#	Sample ID	Init G	Fin ML	Block ID	Comments	Bot#	Sample ID	Init G	Fin ML	Block ID	Comments
	RB		100	5		2	MC23391-1	0.62	100	5	
	STD#1		100	5	2 ml of METSTD 30869 Hg- 2	2	MC23391-2	0.64	100	5	
	STD#2		100	5	5 ml of METSTD 30869 Hg- 2	2	MC23391-3	0.66	100	5	
	STD#3		100	5	1 ml of METSTD 30869 Hg- 1	2	MC23391-4	0.65	100	5	
	STD#4		100	5	2 ml of METSTD 30869 Hg- 1	2	MC23391-5	0.72	100	5	
	STD#5		100	5	3 ml of METSTD 30869 Hg- 1	2	MC23391-6	0.65	100	5	
	STD#6		100	5	4 ml of METSTD 30869 Hg- 1	1	MC23391-7	0.8	100	5	
	STD#7		100	5	5 ml of METSTD 30869 Hg- 1	2	MC23391-8	0.73	100	5	
	STD#8		100	5	6 ml of METSTD 30869 Hg- 1	2	MC23391-9	0.63	100	5	
	ICV		100	5	4 ml of METSTD 30870 Hg- 1	1	MC23391-10	0.62	100	5	
	CCV		100	5	3 ml of METSTD 30869 Hg- 1	1	MC23404-2	0.63	100	5	
	CRI		100	5	2 ml of METSTD 30869 Hg- 2	2	MC23416-1	0.67	100	5	
	ICB		100	5		1	MC23435-1	0.72	100	5	
	CCB		100	5		1	MC23435-2	0.76	100	5	
*	MB	0.6	100	5		1	MC23435-3	0.73	100	5	
*	SB	0.6	100	5	3 ml of METSTD 30869 Hg- 1	1	MC23435-4	0.75	100	5	
*	SBD	0.6	100	5	3 ml of METSTD 30869 Hg- 1	1	MC23435-5	0.73	100	5	
1	MS MC23415-1	0.63	100	5	3 ml of METSTD 30869 Hg- 1		MP21487-LC1	0.6	100	5	VENDOR-13656.
1	MSD MC23415-1	0.63	100	5	3 ml of METSTD 30869 Hg- 1						
1	MC23415-1	0.63	100	5							
1	MC23272-6	0.65	100	5							
1	MC23273-23	0.62	100	5							

Reagent Lot#

Pot. Permanganate	RGT- 36803 _HG	Stannous Chloride	RGT- 37005 _HG	Conc. HNO3	Vendor- ***N/A***
Aqua Regia	RGT- 36990 _HG	Stannous Sulfate	RGT- ****N/A**** _HG	Conc. H2SO4	Vendor- ***N/A***
Hydroxylamine.SO4	RGT- 36665 _HG	Instrument ID:	HG-2	Dig.Tubes	MM01LKK0

Comment: * SAND USED : VENDOR-12599.

QC Review: PuiY **Date:** 8/13/13 **MMA015-02**


WinHg Database 1.5
File Utility Help
RN RN
Protocol 2081313S
Dataset/Proto #HG18
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Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 1.31961e-4
C -6.65854e-2
Rho .999644
Type Linear
Calibrated
Accepted
Accept
µ Abs.
45395
Accepted
New
Include S1 Rep 1 2 3 4 5
13-Aug-13 09:42
Conc. 6.00
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 -.019 -.019 361 0 361
02 .20000 .156 -.044 1685 0% 1684
03 .50000 .484 -.016 4172 0% 4171
04 1.0000 .975 -.025 7894 0% 7893
05 2.0000 2.06 .056 16087 0% 16087
06 3.0000 3.10 .100 23993 0% 23993
Ready
CAP NUM

New England ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP16428/GN43900	0.12	0.0	mg/kg	1.2	1.27	105.8	90-110%
Cyanide	GP16428/GN43900			mg/kg	2.4	2.50	104.2	90-110%
Cyanide	GP16428/GN43900			mg/kg	60.7	57.8	95.2	16-110%

Associated Samples:
Batch GP16428: MC23272-6
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Cyanide	GP16428/GN43900	mg/kg	1.2	1.26	0.8	

Associated Samples:
Batch GP16428: MC23272-6
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP16428/GN43900	MC23272-6	mg/kg	0.45	0.46	2.2	0-20%
Solids, Percent	GN43875	MC23271-1	%	84.9	84.7	0.2	0-20%

Associated Samples:
Batch GN43875: MC23272-1, MC23272-2, MC23272-3, MC23272-4, MC23272-5, MC23272-6
Batch GP16428: MC23272-6
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP16428/GN43900	MC23272-6	mg/kg	0.45	1.4	1.6	82.3	75-125%

Associated Samples:
Batch GP16428: MC23272-6
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: 080713S1.CN Date Analyzed: 08/07/13 Methods: SW846 9012 M
Analyst: MA Run ID: GN43900
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:45	GN43900-STD1	1		STDA0.50
13:46	GN43900-STD2	1		STDC0.30
13:47	GN43900-STD3	1		STDD0.20
13:48	GN43900-STD4	1		STDE0.10
13:49	GN43900-STD5	1		STDG0.030
13:51	GN43900-STD6	1		STDH0.010
13:52	GN43900-STD7	1		STDI0.00
13:54	GN43900-ICV1	1		
13:55	GN43900-ICB1	1		
13:56	GN43900-CCV1	1		
13:57	GN43900-CCB1	1		
13:58	GP16428-MB1	1		
13:59	GP16428-B1	1		
14:01	GP16428-B2	1		
14:02	GP16428-B3	1		
14:03	GP16428-LC1	20		
14:04	GP16428-S1	1		
14:05	GP16428-D1	1		
14:06	MC23272-6	1		
14:07	ZZZZZZ	1		
14:08	ZZZZZZ	1		
14:09	GN43900-CCV2	1		
14:10	GN43900-CCB2	1		
14:11	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:13	ZZZZZZ	1		
14:14	GN43900-CCV3	1		
14:15	GN43900-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: MC23272
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: 080713S1.CN Date Analyzed: 08/07/13 Methods: SW846 9012 M
Run ID: GN43900 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN43900-ICV1	Cyanide	0.21	0.010	0.0021	.2	105.0	90-110
GN43900-ICB1	Cyanide	-0.0022	0.010	0.0021			
GN43900-CCV1	Cyanide	0.30	0.010	0.0021	.3	100.0	90-110
GN43900-CCB1	Cyanide	-0.0058	0.010	0.0021			
GN43900-CCV2	Cyanide	0.30	0.010	0.0021	.3	100.0	90-110
GN43900-CCB2	Cyanide	-0.0064	0.010	0.0021			
GN43900-CCV3	Cyanide	0.31	0.010	0.0021	.3	103.3	90-110
GN43900-CCB3	Cyanide	-0.0062	0.010	0.0021			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: MC23272
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MC23272-1 **Analyzed:** 06-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: SB-234/7'

Wet Weight (Total)	28.968	g
Tare Weight	21.307	g
Dry Weight (Total)	28.179	g
Solids, Percent	89.7	%

Sample: MC23272-2 **Analyzed:** 06-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: SB-217/8'

Wet Weight (Total)	41.967	g
Tare Weight	30.939	g
Dry Weight (Total)	41.237	g
Solids, Percent	93.4	%

Sample: MC23272-3 **Analyzed:** 06-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: SB-241/0.5-2'

Wet Weight (Total)	29.819	g
Tare Weight	21.632	g
Dry Weight (Total)	28.567	g
Solids, Percent	84.7	%

Sample: MC23272-4 **Analyzed:** 06-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: SB-223/1'

Wet Weight (Total)	34.314	g
Tare Weight	25.463	g
Dry Weight (Total)	33.169	g
Solids, Percent	87.1	%

Sample: MC23272-5 **Analyzed:** 06-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: SB-247/6'

Wet Weight (Total)	39.242	g
Tare Weight	29.754	g
Dry Weight (Total)	38.147	g
Solids, Percent	88.5	%

Sample: MC23272-6 **Analyzed:** 06-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: SB-248/7.5'

Wet Weight (Total)	35.298	g
Tare Weight	25.128	g
Dry Weight (Total)	33.844	g
Solids, Percent	85.7	%

New England ACCUTEST LABORATORIES

General Chemistry

Raw Data

ACCUTEST

Protected Worksheet MGN117-02
(Format edits must be done by Dept. manager)

Analyst	MEHDIA	**Test/Analysis**	CN SW846 9012
Date	8/7/13	**Analysis Batch ID**	GN43900
Instrument ID	LACHAT	**Prep Batch ID**	GP16428
File ID	080713S1.CN		

Reagents

Calib STD	GNSTD-	30829-CN	**Buffer**	RGT-	36783-CN
ICV	GNSTD-	30826-CN-2	**Carrier**	RGT-	36280-CN
CCV	GNSTD-	30829-CN-4	**Chloramine-T**	RGT-	36848-CN
Silver Nitrate	RGT-	36472-CN	**Pyridine Barb. Acid**	RGT-	36849-CN
Rhodanine indicator	RGT-	36473-CN	**CN STOCK STD**	GNSTD-	30830-CN

Standardization

Reagent/Stock Std:	NA ○		Cyanide ◉				
Volume of DI/Blank	250	Ml of AgNO3 for Blank	0	Volume of Std	250	Ml of AgNO3 for Stock	2.5
Conc. Of Stock Calib STD (mg/L)	1000						

Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH

COMMENTS

Cyanide stock standardization was pperformed on 08/07/13.

QC Review **Date:** 8/9/13

ACCUTEST

Distillation

Protected Worksheet MGN127-01

(Format edits must be done by Dept. manager)

Analyst:	MEHDIA	Date	8/7/13	Batch ID	GP16428	Matrix	Solids
QC Sample	MC23272-6	Balance ID	ACC-4	pH Meter ID	N/A	Block ID	MICRO

Analysis Type

CN EPA 335.4 ○	CN SW846 9010B ◉	CN-A SM21 4500CN-G/335.4 ○	CN-A SW846 9010 ○
PAC MADEP ○	CREAC Chap 7 ○	SREAC Chap7 ○	CNWAD SM20 4500CN-I ○

Sample ID	Bot #	ID	Interfere Chk CL	Interfere Chk S	Init. pH	SMPL Amt G	DIST Vol ML	Start Time	End Time	Comments/Spike
GP16428-LC1		N/A	ND	ND	>12	0.5	6	9:55	10:25	VENDOR-13516
GP16428-MB1	*	N/A	ND	ND	>12	0.5	6	9:55	10:25	
GP16428-B1	*	N/A	ND	ND	>12	0.5	6	9:55	10:25	0.10 ML OF SPIKE
GP16428-S1	1	N/A	ND	ND	>12	0.501	6	9:55	10:25	0.10 ML OF SPIKE
GP16428-D1	1	N/A	ND	ND	>12	0.518	6	9:55	10:25	
GP16428-B2	*	N/A	ND	ND	>12	0.5	6	9:55	10:25	0.10 ML OF SPIKE
GP16428-B3	*	N/A	ND	ND	>12	0.5	6	9:55	10:25	0.20 ML OF SPIKE
MC23133-1	1	N/A	ND	ND	>12	0.517	6	9:55	10:25	
MC23214-1	1	N/A	ND	ND	>12	0.525	6	9:55	10:25	
MC23272-6	1	N/A	ND	ND	>12	0.509	6	9:55	10:25	
MC23273-23	1	N/A	ND	ND	>12	0.52	6	9:55	10:25	
MC23325-1	1	N/A	ND	ND	>12	0.545	6	9:55	10:25	
MC23325-2	1	N/A	ND	ND	>12	0.502	6	9:55	10:25	
ICV		N/A	ND	ND	>12	6 ML	6	9:55	10:25	0.20 ML OF ICV SPIKE

8-7-13

Reagent Lot # (Refer to Indivdual SOP for amounts added)

Sulfamic Acid	VENDOR-5746	Spike Solution	GNSTD-30825-CN-2
Conc. H2SO4	VENDOR-13484	ICV Stock Solution	GNSTD-30826-CN-2
NaOH	RGT-36753-CN	0.25N NAOH	RGT-36280-CN
MgCl2.6H2O	RGT-35456-CN	N/A	
Bismuth Nitrate	N/A	N/A	

Comment: * USED SAND VENDOR-12599.

QC Review _____ Date 8/9/13

15.1 15

Author: chemistry

Date : 8/7/2013

Original Run Filename: OM_8-7-2013_01-44-45PM.OMN Created: 8/7/2013 1:44:45 PM
Original Run Author's Signature: [chemistry]
Current Run Filename: OM_8-7-2013_01-44-45PM.OMN Last Modified: 8/7/2013 2:17:20 PM
Current Run Author's Signature: [chemistry]
Description: Default New Run

Sample	Rep.	Channel 1 Cn (mg/L)	ADF
StdA0.50	1	0.500	
StdC0.30	1	0.300	
StdD0.20	1	0.200	
StdE0.10	1	0.100	
StdG0.030	1	0.0300	
StdH0.010	1	0.0100	
Std0.00	1	0.00	
ICV	1	0.207	
Calibration:		Table/Fig. : 1	
ICB	1	-2.19e-3	
CCV	1	0.303	
CCB	1	-5.82e-3	
GP16428-MB1	1	-2.76e-3	
GP16428-B1	1	0.106	
GP16428-B2	1	0.105	
GP16428-B3	1	0.208	
GP16428-LC1	1	0.241	
GP16428-S1	1	0.117	
GP16428-D1	1	0.0337	
MC23272-6	1	0.0325	
MC23133-1	1	-7.63e-4	
MC23214-1	1	0.0175	
CCV	1	0.300	
CCB	1	-6.44e-3	
MC23273-23	1	0.0554	
MC23325-1	1	-4.78e-3	
MC23325-2	1	-1.83e-3	
CCV	1	0.305	
CCB	1	-6.20e-3	

Table : 1 (Cn)

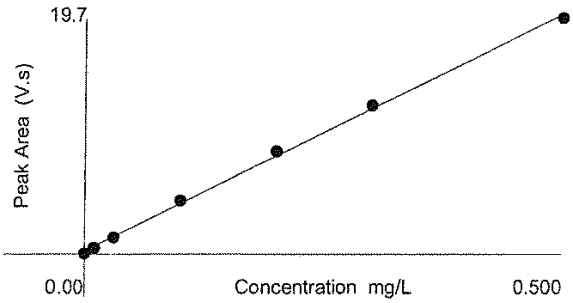
	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	19.7	1.10	0.0	1.7	0.491	8/7/2013	1:45:40 PM
2	0.300	1	12.4	0.699	0.0	-2.0	0.306	8/7/2013	1:46:45 PM
3	0.200	1	8.56	0.486	0.0	-4.6	0.209	8/7/2013	1:47:50 PM
4	0.100	1	4.48	0.256	0.0	-5.5	0.106	8/7/2013	1:48:54 PM
5	0.0300	1	1.41	0.0804	0.0	5.0	0.0283	8/7/2013	1:49:59 PM
6	0.0100	1	0.513	0.0286	0.0	26.5	5.54e-3	8/7/2013	1:51:03 PM
7	0.00	1	0.0450	3.03e-3			-6.31e-3	8/7/2013	1:52:08 PM

8/9/13

Author: chemistry

Date : 8/7/2013

Figure : 1 (Cn)



Area = 39.4 * Conc + 0.304
Conc = 0.0253 * Area - 7.46e-3
Correlation Coefficient (r) = 0.99926

Weighting : None

15.1

15

- 2 -

8/9/13

New England ACCUTEST LABORATORIES

08/20/13

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC23273

Sampling Dates: 07/30/13 - 08/02/13

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **279**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) ISO 17025:2005 (L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC23273

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC23273-12	07/31/13	11:04	GB	08/03/13	SO	Soil	SB-212/2'
MC23273-23	08/02/13	12:55	GB	08/03/13	SO	Soil	SB-246/10-12'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environmental & Energy **Job No** MC23273

Site: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, **Report Date** 8/20/2013 3:54:57 PM

1 Sample was collected on 08/02/2013 and were received at Accutest on 08/03/2013 properly preserved, at 0.5 Deg. C and intact. These Samples received an Accutest job number of MC23273. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GCMS By Method SW846 8270C

Matrix SO **Batch ID:** OP34292

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23133-1MS, MC23133-1MSD were used as the QC samples indicated.
- OP34292-BS/MS/MSD Recovery(s) for Hexachlorocyclopentadiene are outside control limits. Blank Spike meets program technical requirements.
- OP34292-BS/MS/MSD for Acetophenone, N-Nitrosodiphenylamine: Outside control limits. Associated samples are non-detect for this compound.
- OP34292-MS/MSD Recovery(s) for Fluoranthene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- OP34292-MS/MSD Recovery(s) for 2,4-Dinitrophenol, Atrazine, Benzaldehyde, Caprolactam, Naphthalene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.

Metals By Method SW846 6010C

Matrix SO **Batch ID:** MP21470

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB42561-22TMS, JB42561-22TMSD, JB42561-22TPS, JB42561-22TSDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Lead are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity. Post spike within acceptable range.
- Matrix Spike Duplicate Recovery(s) for Lead are outside control limits. Spike duplicate recovery indicates possible matrix interference and/or sample nonhomogeneity.
- RPD(s) for Serial Dilution for Arsenic are outside control limits for sample MP21470-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP21470-SD1 for Lead: Serial dilution indicates possible matrix interference.

Metals By Method SW846 7471B

Matrix SO **Batch ID:** MP21487

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23415-1MS, MC23415-1MSD were used as the QC samples for metals.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix	SO	Batch ID:	GN43927

- Sample(s) MC23376-1DUP were used as the QC samples for Solids, Percent.

Wet Chemistry By Method SW846 9012 M

Matrix	SO	Batch ID:	GP16428

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23272-6DUP, MC23272-6MS were used as the QC samples for Cyanide.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC23273).

Summary of Hits

Job Number: MC23273
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Collected: 07/30/13 thru 08/02/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC23273-23	**SB-246/10-12'**					
Acenaphthylene		24.3 J	110	11	ug/kg	SW846 8270C
bis(2-Ethylhexyl)phthalate		664	280	10	ug/kg	SW846 8270C
Fluoranthene		24.4 J	110	15	ug/kg	SW846 8270C
Naphthalene		47.7 J	110	18	ug/kg	SW846 8270C
Phenanthrene		22.2 J	110	15	ug/kg	SW846 8270C
Pyrene		23.0 J	110	13	ug/kg	SW846 8270C
Total TIC, Semi-Volatile		240 J			ug/kg	
Arsenic		16.4	0.95	0.20	mg/kg	SW846 6010C
Barium		105	4.8	0.069	mg/kg	SW846 6010C
Cadmium		0.95	0.38	0.040	mg/kg	SW846 6010C
Chromium		16.3	0.95	0.091	mg/kg	SW846 6010C
Lead		15.0	0.95	0.16	mg/kg	SW846 6010C
Selenium		0.71 B	0.95	0.33	mg/kg	SW846 6010C
Cyanide		0.71	0.13	0.027	mg/kg	SW846 9012 M

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@140569 16:51 20-Aug-2013

Report of Analysis

Client Sample ID: SB-246/10-12'
Lab Sample ID: MC23273-23
Matrix: SO - Soil
Method: SW846 8270C SW846 3546
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Date Sampled: 08/02/13
Date Received: 08/03/13
Percent Solids: 89.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F66086.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058
Run #2							

	Initial Weight	Final Volume
Run #1	20.2 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	280	12	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	550	14	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	550	16	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	550	90	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	550	69	ug/kg	
95-48-7	2-Methylphenol	ND	550	22	ug/kg	
	3&4-Methylphenol	ND	550	27	ug/kg	
88-75-5	2-Nitrophenol	ND	550	15	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	100	ug/kg	
87-86-5	Pentachlorophenol	ND	550	39	ug/kg	
108-95-2	Phenol	ND	280	16	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	550	14	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	550	14	ug/kg	
83-32-9	Acenaphthene	ND	110	15	ug/kg	
208-96-8	Acenaphthylene	24.3	110	11	ug/kg	J
98-86-2	Acetophenone	ND	550	12	ug/kg	
120-12-7	Anthracene	ND	110	13	ug/kg	
1912-24-9	Atrazine	ND	550	550	ug/kg	
100-52-7	Benzaldehyde	ND	550	550	ug/kg	
56-55-3	Benzo(a)anthracene	ND	110	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	110	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	110	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	110	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	110	17	ug/kg	
92-52-4	1,1'-Biphenyl	ND	550	110	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	280	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	280	11	ug/kg	
105-60-2	Caprolactam	ND	550	550	ug/kg	
91-58-7	2-Chloronaphthalene	ND	280	15	ug/kg	
106-47-8	4-Chloroaniline	ND	550	14	ug/kg	
86-74-8	Carbazole	ND	110	13	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-246/10-12'		
Lab Sample ID:	MC23273-23	**Date Sampled:**	08/02/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	89.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	110	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	280	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	280	17	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	280	20	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	280	17	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	550	37	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	550	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	280	28	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	110	13	ug/kg	
132-64-9	Dibenzofuran	ND	110	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	280	29	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	280	8.6	ug/kg	
84-66-2	Diethyl phthalate	ND	280	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	280	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	664	280	10	ug/kg	
206-44-0	Fluoranthene	24.4	110	15	ug/kg	J
86-73-7	Fluorene	ND	110	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	280	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	280	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	550	140	ug/kg	
67-72-1	Hexachloroethane	ND	280	13	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	110	12	ug/kg	
78-59-1	Isophorone	ND	280	13	ug/kg	
91-57-6	2-Methylnaphthalene	ND	110	14	ug/kg	
88-74-4	2-Nitroaniline	ND	550	14	ug/kg	
99-09-2	3-Nitroaniline	ND	550	30	ug/kg	
100-01-6	4-Nitroaniline	ND	550	14	ug/kg	
91-20-3	Naphthalene	47.7	110	18	ug/kg	J
98-95-3	Nitrobenzene	ND	280	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	280	16	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	280	17	ug/kg	
85-01-8	Phenanthrene	22.2	110	15	ug/kg	J
129-00-0	Pyrene	23.0	110	13	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		30-130%
4165-62-2	Phenol-d5	70%		30-130%
118-79-6	2,4,6-Tribromophenol	56%		30-130%
4165-60-0	Nitrobenzene-d5	67%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-246/10-12'		
Lab Sample ID:	MC23273-23	**Date Sampled:**	08/02/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	89.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	77%		30-130%
1718-51-0	Terphenyl-d14	72%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
79-34-5	Ethane, 1,1,2,2-tetrachloro-	3.52	240	ug/kg	JN
	Total TIC, Semi-Volatile		240	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-246/10-12'
Lab Sample ID: MC23273-23
Matrix: SO - Soil
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Date Sampled: 08/02/13
Date Received: 08/03/13
Percent Solids: 89.7

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	16.4	0.95	0.20	mg/kg	1	08/07/13	08/07/13	EAL	SW846 6010C [1]	SW846 3050B [3]
Barium	105	4.8	0.069	mg/kg	1	08/07/13	08/07/13	EAL	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.95	0.38	0.040	mg/kg	1	08/07/13	08/07/13	EAL	SW846 6010C [1]	SW846 3050B [3]
Chromium	16.3	0.95	0.091	mg/kg	1	08/07/13	08/07/13	EAL	SW846 6010C [1]	SW846 3050B [3]
Lead	15.0	0.95	0.16	mg/kg	1	08/07/13	08/07/13	EAL	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.010 U	0.036	0.010	mg/kg	1	08/12/13	08/13/13	SA	SW846 7471B [2]	SW846 7471B [4]
Selenium	0.71 B	0.95	0.33	mg/kg	1	08/07/13	08/07/13	EAL	SW846 6010C [1]	SW846 3050B [3]
Silver	0.12 U	0.48	0.12	mg/kg	1	08/07/13	08/07/13	EAL	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA15961
(2) Instrument QC Batch: MA15973
(3) Prep QC Batch: MP21470
(4) Prep QC Batch: MP21487

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB-246/10-12'		
Lab Sample ID:	MC23273-23	**Date Sampled:**	08/02/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
		Percent Solids:	89.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.71	0.13	0.027	mg/kg	1	08/07/13 14:11	MA	SW846 9012 M
Solids, Percent	89.7			%	1	08/08/13	CF	SM21 2540 B MOD.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 1 OF 3

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: MC23273

Client / Reporting Information

Company Name: WSP
Street Address: 11190 Sunrise Valley Dr
City / State / Zip: Reston VA 20191
Project Contact / E-mail: erik.reinert@wspgroup.com; scott.haitz@wspgroup.com
Phone # / Fax #: lisa.bryda@wspgroup.com
Sampler(s) Name(s) / Phone #: G Beaulieu 978-844-3904

Project Information

Project Name: EPT
Street: 690 S. Aurora St
City: Ithaca NY
Project #: 4255-05
Client PO#: 4255-05
Project Manager: Erik Reinert/Lisa Bryda

Billing Information (If different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

RCRA metals + Cyanide (6010/7471)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	EMCORE	Bisulfate	RCRA metals + Cyanide (6010/7471)	LAB USE ONLY
-1	SB-200/8.5-9'		7/30/13	1045	GMB	S	1					X					X	
-2	SB-201/6.5'			1110		S	3					X					X	
-3	SB-202/3.5-4.5'			1135		S	1					X					X	
-4	SB-203/14'			1256		S	1					X					X	
-5	SB-203/23-24'			1318		S	1					X					X	
-6	SB-205/3'			1500		S	1					X					X	
-7	SB-208/2.5-3'			1600		S	1					X					X	
-8	~~SB-209/3'~~ (GB 214/11')		7/31/13	~~850~~ 223		S						X					X	
-9	SB-209/27'			930		S	1					X					X	
-10	SB-210/12'			1008		S	1					X					X	9E
-11	SB-211/15'			1045		S	1					X					X	
-12	SB-212/2'			1104		S						X					X	

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

Please HOLD all samples.

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [x] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	G Beaulieu	8/3/13 11:00	Brazell			
2						
3						
4						
5						

Custody Seal #: [ ] Intact [ ] Not Intact | Preserved where applicable: [ ] | On Ice: [x] | Cooler Temp: 0.5°C

SYRACUSE SC

MC23273: Chain of Custody
Page 1 of 5

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CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 2 OF 3

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: MC23273

Client / Reporting Information

Company Name: WSP
Street Address: 11190 Sunrise Valley Dr
City: Reston State: VA Zip: 20190
Project Contact: Erik.Reinert@wspgroup.com; Scott.Haitz@wspgroup.com E-mail
Phone #: Lisa.Bryda@wspgroup.com
Sampler(s) Name(s): GBeaulieu Phone #: 978-844-3904

Project Information

Project Name: EPT
Street: 690 S. Aurora St
City: Ithaca State: NY
Project#: 4255-05
Client PO#: 4255-05
Project Manager: Erik Reinert/Lisa Bryda

Billing Information (If different from Report to)

Company Name:
Street Address:
City State Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

RCRA metals + cyanide (6010/7471)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	LAB USE ONLY
-13	SB-215/13-14'		7/31/13	1248	GMB	S	1					X				X	
-14	SB-217/8'		7/31/13	1425		S	1					X				X	
-15	SB-221/2.5'		8/1/13	730		S	1					X				X	
	~~SB-221B/4.5'~~ GB			~~740~~		~~S~~	~~1~~					~~X~~				~~X~~	
	~~SB-223/1'~~ GB			~~805~~		~~S~~	~~1~~					~~X~~				~~X~~	
-16	SB-225/6'			840		S	1					X				X	
-17	SB-230/3'			1010		S	1					X				X	
-18	SB-233/0.5'			1130		S	1					X				X	
-19	SB-235/1'			1410		S	1					X				X	
-20	SB-239/0.5-1		8/2/13	850		S	1					X				X	
-21	SB-240/1			925		S	1					X				X	
-22	SB-242/0-1.5'			1005		S	1					X				X	

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

Please HOLD all samples

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 GBeaulieu	8/3/13 11:00	1 Brenda	2		2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact / Not intact	Preserved where applicable
5		5			

On Ice: X Cooler Temp: 0.5°

SYRACUSE SC

MC23273: Chain of Custody
Page 2 of 5

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: MC23273

Client / Reporting Information

Company Name: WSP
Street Address: 11190 Sunrise Valley Dr
City: Reston, State: VA, Zip: 20191
Project Contact: Erik.Reinert, Scott.Haitz (E-mail: @wspgroup.com)
Phone #: lisa.bryda (Fax #:)
Sampler(s) Name(s): G Beaulieu, Phone #: 978-844-3904

Project Information

Project Name: EPT
Street: 690 S. Aurora St
City: Ithaca NY
Project#: 4255-05
Client PO#: 4255-05
Project Manager: Erik Reinert/Lisa Bryda

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

RCRA metals + cyanide (6010/7471)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	RCRA metals + cyanide (6010/7471)	LAB USE ONLY
-23	SB-246 /10-12'		8/2/13	1255	GMB	S	1					X					X	
-24	SB-248 /15'		8/2/13	1515	GMB	S	1					X					X	
	END																	

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [x] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

PLEASE HOLD

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	G Beaulieu	8/3/13 11:00	1	2		2
3			3	4		4
5			5			

Custody Seal #: [ ] Intact [ ] Not intact | Preserved where applicable: [ ] | On Ice: ✓ | Cooler Temp: 0.5°C

SYRACUSE SC

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC23273 **Client:** WSP **Immediate Client Services Action Required:** Yes

Date / Time Received: 8/3/2013 10:00 **Delivery Method:** Client

Project: EPT **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☐	
2. Trip Blank listed on COC:	☐	☐	
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample rec'd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume rec'd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

-12 Nothing received for SB-212/2'.
-25 w e received 4 oz jar, not listed on coc. ID is SB-241/4' 8/2/13 9:50

Accutest Laboratories
V:508.481.6200
495 Technology Center West, Bldg One
F: 508.481.7753
Marlborough, MA
www/accutest.com

MC23273: Chain of Custody
Page 4 of 5

Sample Receipt Summary - Problem Resolution

Accutest Job Number: MC23273

CSR: Frank D'Agostino **Response Date:** 8/6/2013

Response: See the email in the file

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC23273: Chain of Custody
Page 5 of 5

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC23273

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC23273-23	Collected: 02-AUG-13 12:55 By: GB			Received: 03-AUG-13 By:		
SB-246/10-12'						
MC23273-23	SW846 9012 M	07-AUG-13 14:11	MA	07-AUG-13	MA	CN
MC23273-23	SW846 6010C	07-AUG-13 15:33	EAL	07-AUG-13	EM	AG,AS,BA,CD,CR,PB,SE
MC23273-23	SM21 2540 B MOD.	08-AUG-13	CF			%SOL
MC23273-23	SW846 8270C	09-AUG-13 19:52	KR	06-AUG-13	PA	AB8270TCL42+
MC23273-23	SW846 7471B	13-AUG-13 10:18	SA	12-AUG-13	EM	HG

Accutest Internal Chain of Custody

Job Number: MC23273
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Received: 08/03/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC23273-23.1	Walk In Ref #9	Michael Rolo	08/07/13 06:49	Retrieve from Storage
MC23273-23.1	Michael Rolo	Walk In Ref #9	08/07/13 08:05	Return to Storage
MC23273-23.1	Walk In Ref #9	Mehdi Abdolrahim	08/07/13 08:05	Retrieve from Storage
MC23273-23.1	Mehdi Abdolrahim	Walk In Ref #9	08/07/13 09:24	Return to Storage
MC23273-23.1	Walk In Ref #9	Eric Mensah	08/07/13 10:17	Retrieve from Storage
MC23273-23.1	Eric Mensah	Walk In Ref #9	08/07/13 10:17	Return to Storage
MC23273-23.1	Walk In Ref #9	Crystall Woodruff	08/08/13 15:48	Retrieve from Storage
MC23273-23.1	Crystall Woodruff	Walk In Ref #9	08/08/13 17:29	Return to Storage
MC23273-23.1	Walk In Ref #9	Eric Mensah	08/12/13 08:05	Retrieve from Storage
MC23273-23.1	Eric Mensah	Walk In Ref #9	08/12/13 08:05	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC23273
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-MB	F66062.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23273-23

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	250	11	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	500	13	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	500	14	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	500	81	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1000	120	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	500	62	ug/kg	
95-48-7	2-Methylphenol	ND	500	20	ug/kg	
	3&4-Methylphenol	ND	500	24	ug/kg	
88-75-5	2-Nitrophenol	ND	500	13	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	94	ug/kg	
87-86-5	Pentachlorophenol	ND	500	35	ug/kg	
108-95-2	Phenol	ND	250	14	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	500	12	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	500	12	ug/kg	
83-32-9	Acenaphthene	ND	100	13	ug/kg	
208-96-8	Acenaphthylene	ND	100	10	ug/kg	
98-86-2	Acetophenone	ND	500	11	ug/kg	
120-12-7	Anthracene	ND	100	12	ug/kg	
1912-24-9	Atrazine	ND	500	500	ug/kg	
100-52-7	Benzaldehyde	ND	500	500	ug/kg	
56-55-3	Benzo(a)anthracene	ND	100	13	ug/kg	
50-32-8	Benzo(a)pyrene	ND	100	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	100	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	100	10	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	100	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	500	100	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	250	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	250	10	ug/kg	
105-60-2	Caprolactam	ND	500	500	ug/kg	
91-58-7	2-Chloronaphthalene	ND	250	14	ug/kg	
106-47-8	4-Chloroaniline	ND	500	12	ug/kg	
86-74-8	Carbazole	ND	100	12	ug/kg	
218-01-9	Chrysene	ND	100	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	250	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	250	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	250	18	ug/kg	

Method Blank Summary

Job Number: MC23273
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-MB	F66062.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23273-23

CAS No.	Compound	Result	RL	MDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	ND	250	15	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	500	33	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	500	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	250	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	100	12	ug/kg	
132-64-9	Dibenzofuran	ND	100	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	250	26	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	250	7.8	ug/kg	
84-66-2	Diethyl phthalate	ND	250	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	250	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	250	9.2	ug/kg	
206-44-0	Fluoranthene	ND	100	14	ug/kg	
86-73-7	Fluorene	ND	100	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	250	16	ug/kg	
87-68-3	Hexachlorobutadiene	ND	250	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	500	120	ug/kg	
67-72-1	Hexachloroethane	ND	250	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	100	11	ug/kg	
78-59-1	Isophorone	ND	250	12	ug/kg	
91-57-6	2-Methylnaphthalene	ND	100	13	ug/kg	
88-74-4	2-Nitroaniline	ND	500	12	ug/kg	
99-09-2	3-Nitroaniline	ND	500	27	ug/kg	
100-01-6	4-Nitroaniline	ND	500	12	ug/kg	
91-20-3	Naphthalene	ND	100	16	ug/kg	
98-95-3	Nitrobenzene	ND	250	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	250	14	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	250	15	ug/kg	
85-01-8	Phenanthrene	ND	100	14	ug/kg	
129-00-0	Pyrene	ND	100	12	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	74%	30-130%
4165-62-2	Phenol-d5	77%	30-130%
118-79-6	2,4,6-Tribromophenol	69%	30-130%

Method Blank Summary

Job Number: MC23273
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-MB	F66062.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23273-23

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	81%	30-130%
321-60-8	2-Fluorobiphenyl	78%	30-130%
1718-51-0	Terphenyl-d14	87%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
625-86-5	Furan, 2,5-dimethyl-	2.05	240	ug/kg	JN
	Total TIC, Semi-Volatile		240	ug/kg	J

Blank Spike Summary

Job Number: MC23273
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-BS	F66063.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23273-23

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	2390	1870	78	30-130
59-50-7	4-Chloro-3-methyl phenol	2390	2290	96	30-130
120-83-2	2,4-Dichlorophenol	2390	2050	86	30-130
105-67-9	2,4-Dimethylphenol	2390	2160	90	30-130
51-28-5	2,4-Dinitrophenol	2390	1740	73	30-130
534-52-1	4,6-Dinitro-o-cresol	2390	2230	93	30-130
95-48-7	2-Methylphenol	2390	2360	99	30-130
	3&4-Methylphenol	4780	4570	96	30-130
88-75-5	2-Nitrophenol	2390	1860	78	30-130
100-02-7	4-Nitrophenol	2390	2640	111	30-130
87-86-5	Pentachlorophenol	2390	1840	77	30-130
108-95-2	Phenol	2390	2270	95	30-130
95-95-4	2,4,5-Trichlorophenol	2390	2170	91	30-130
88-06-2	2,4,6-Trichlorophenol	2390	1940	81	30-130
83-32-9	Acenaphthene	2390	2000	84	40-140
208-96-8	Acenaphthylene	2390	1560	65	40-140
98-86-2	Acetophenone	2390	4160	174* [a]	40-140
120-12-7	Anthracene	2390	2130	89	40-140
1912-24-9	Atrazine	2390	2160	90	40-140
100-52-7	Benzaldehyde	2390	1570	66	40-140
56-55-3	Benzo(a)anthracene	2390	2260	95	40-140
50-32-8	Benzo(a)pyrene	2390	2030	85	40-140
205-99-2	Benzo(b)fluoranthene	2390	2610	109	40-140
191-24-2	Benzo(g,h,i)perylene	2390	2080	87	40-140
207-08-9	Benzo(k)fluoranthene	2390	2010	84	40-140
92-52-4	1,1'-Biphenyl	2390	1840	77	40-140
101-55-3	4-Bromophenyl phenyl ether	2390	2090	87	40-140
85-68-7	Butyl benzyl phthalate	2390	2250	94	40-140
105-60-2	Caprolactam	2390	2180	91	40-140
91-58-7	2-Chloronaphthalene	2390	2190	92	40-140
106-47-8	4-Chloroaniline	2390	1790	75	40-140
86-74-8	Carbazole	2390	2170	91	40-140
218-01-9	Chrysene	2390	2120	89	40-140
111-91-1	bis(2-Chloroethoxy)methane	2390	2690	113	40-140
111-44-4	bis(2-Chloroethyl)ether	2390	1940	81	40-140
108-60-1	bis(2-Chloroisopropyl)ether	2390	2320	97	40-140

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23273
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-BS	F66063.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23273-23

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
7005-72-3	4-Chlorophenyl phenyl ether	2390	2120	89	40-140
121-14-2	2,4-Dinitrotoluene	2390	2270	95	40-140
606-20-2	2,6-Dinitrotoluene	2390	2050	86	40-140
91-94-1	3,3'-Dichlorobenzidine	2390	2030	85	40-140
53-70-3	Dibenzo(a,h)anthracene	2390	2190	92	40-140
132-64-9	Dibenzofuran	2390	1920	80	40-140
84-74-2	Di-n-butyl phthalate	2390	2220	93	40-140
117-84-0	Di-n-octyl phthalate	2390	2510	105	40-140
84-66-2	Diethyl phthalate	2390	2140	90	40-140
131-11-3	Dimethyl phthalate	2390	2040	85	40-140
117-81-7	bis(2-Ethylhexyl)phthalate	2390	2280	95	40-140
206-44-0	Fluoranthene	2390	2440	102	40-140
86-73-7	Fluorene	2390	2130	89	40-140
118-74-1	Hexachlorobenzene	2390	2000	84	40-140
87-68-3	Hexachlorobutadiene	2390	1900	80	40-140
77-47-4	Hexachlorocyclopentadiene	2390	931	39* [b]	40-140
67-72-1	Hexachloroethane	2390	1860	78	40-140
193-39-5	Indeno(1,2,3-cd)pyrene	2390	2150	90	40-140
78-59-1	Isophorone	2390	1990	83	40-140
91-57-6	2-Methylnaphthalene	2390	1810	76	40-140
88-74-4	2-Nitroaniline	2390	2070	87	40-140
99-09-2	3-Nitroaniline	2390	2000	84	40-140
100-01-6	4-Nitroaniline	2390	2020	85	40-140
91-20-3	Naphthalene	2390	1890	79	40-140
98-95-3	Nitrobenzene	2390	1930	81	40-140
621-64-7	N-Nitroso-di-n-propylamine	2390	2190	92	40-140
86-30-6	N-Nitrosodiphenylamine	2390	5000	209* [a]	40-140
85-01-8	Phenanthrene	2390	2140	90	40-140
129-00-0	Pyrene	2390	2180	91	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	76%	30-130%
4165-62-2	Phenol-d5	80%	30-130%
118-79-6	2,4,6-Tribromophenol	78%	30-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23273
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-BS	F66063.D	1	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23273-23

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	84%	30-130%
321-60-8	2-Fluorobiphenyl	81%	30-130%
1718-51-0	Terphenyl-d14	91%	30-130%

(a) Outside control limits. Associated samples are non-detect for this compound.
(b) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23273
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-MS	F66064.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058
OP34292-MSD	F66065.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058
MC23133-1 [a]	F66066.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23273-23

CAS No.	Compound	MC23133-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		2940	2000	68	1900	65	5	30-130/30
59-50-7	4-Chloro-3-methyl phenol	ND		2940	2580	88	2530	87	2	30-130/30
120-83-2	2,4-Dichlorophenol	ND		2940	2250	76	2010	69	11	30-130/30
105-67-9	2,4-Dimethylphenol	ND		2940	2370	81	2410	83	2	30-130/30
51-28-5	2,4-Dinitrophenol	ND		2940	ND	0* [b]	ND	0* [b]	nc	30-130/30
534-52-1	4,6-Dinitro-o-cresol	ND		2940	1060	36	1030	35	3	30-130/30
95-48-7	2-Methylphenol	ND		2940	2590	88	2600	89	0	30-130/30
	3&4-Methylphenol	ND		5890	4920	84	4770	82	3	30-130/30
88-75-5	2-Nitrophenol	ND		2940	1950	66	1830	63	6	30-130/30
100-02-7	4-Nitrophenol	ND		2940	2880	98	3310	114	14	30-130/30
87-86-5	Pentachlorophenol	ND		2940	1030	35	1070	37	4	30-130/30
108-95-2	Phenol	ND		2940	2350	80	2420	83	3	30-130/30
95-95-4	2,4,5-Trichlorophenol	ND		2940	2300	78	2340	80	2	30-130/30
88-06-2	2,4,6-Trichlorophenol	ND		2940	2030	69	2030	70	0	30-130/30
83-32-9	Acenaphthene	1310		2940	3380	70	3420	72	1	40-140/30
208-96-8	Acenaphthylene	232	J	2940	1850	55	1890	57	2	40-140/30
98-86-2	Acetophenone	ND		2940	4310	146* [c]	4180	143* [c]	3	40-140/30
120-12-7	Anthracene	1710		2940	3980	77	4080	81	2	40-140/30
1912-24-9	Atrazine	ND		2940	ND	0* [b]	ND	0* [b]	nc	40-140/30
100-52-7	Benzaldehyde	ND		2940	ND	0* [b]	ND	0* [b]	nc	40-140/30
56-55-3	Benzo(a)anthracene	2260		2940	5270	102	5280	104	0	40-140/30
50-32-8	Benzo(a)pyrene	1950		2940	4650	92	4480	87	4	40-140/30
205-99-2	Benzo(b)fluoranthene	1750		2940	4700	100	4960	110	5	40-140/30
191-24-2	Benzo(g,h,i)perylene	1210		2940	3950	93	3950	94	0	40-140/30
207-08-9	Benzo(k)fluoranthene	1520		2940	4260	93	3740	76	13	40-140/30
92-52-4	1,1'-Biphenyl	ND		2940	2150	73	2180	75	1	40-140/30
101-55-3	4-Bromophenyl phenyl ether	ND		2940	2160	73	2180	75	1	40-140/30
85-68-7	Butyl benzyl phthalate	ND		2940	2410	82	2520	86	4	40-140/30
105-60-2	Caprolactam	ND		2940	ND	0* [b]	ND	0* [b]	nc	40-140/30
91-58-7	2-Chloronaphthalene	ND		2940	2380	81	2380	82	0	40-140/30
106-47-8	4-Chloroaniline	ND		2940	1710	58	1670	57	2	40-140/30
86-74-8	Carbazole	734		2940	3140	82	3220	85	3	40-140/30
218-01-9	Chrysene	2380		2940	5190	95	5090	93	2	40-140/30
111-91-1	bis(2-Chloroethoxy)methane	ND		2940	2840	97	2640	91	7	40-140/30
111-44-4	bis(2-Chloroethyl)ether	ND		2940	2010	68	1930	66	4	40-140/30
108-60-1	bis(2-Chloroisopropyl)ether	ND		2940	2440	83	2390	82	2	40-140/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23273
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-MS	F66064.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058
OP34292-MSD	F66065.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058
MC23133-1 [a]	F66066.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23273-23

CAS No.	Compound	MC23133-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
7005-72-3	4-Chlorophenyl phenyl ether	ND		2940	2260	77	2260	78	0	40-140/30
121-14-2	2,4-Dinitrotoluene	ND		2940	2430	83	2460	84	1	40-140/30
606-20-2	2,6-Dinitrotoluene	ND		2940	2110	72	2120	73	0	40-140/30
91-94-1	3,3'-Dichlorobenzidine	ND		2940	2170	74	2290	79	5	40-140/30
53-70-3	Dibenzo(a,h)anthracene	402	J	2940	3050	90	3090	92	1	40-140/30
132-64-9	Dibenzofuran	948		2940	3020	70	3050	72	1	40-140/30
84-74-2	Di-n-butyl phthalate	ND		2940	2450	83	2510	86	2	40-140/30
117-84-0	Di-n-octyl phthalate	ND		2940	3020	103	3160	108	5	40-140/30
84-66-2	Diethyl phthalate	ND		2940	2330	79	2390	82	3	40-140/30
131-11-3	Dimethyl phthalate	ND		2940	2160	73	2220	76	3	40-140/30
117-81-7	bis(2-Ethylhexyl)phthalate	ND		2940	2650	90	2700	93	2	40-140/30
206-44-0	Fluoranthene	6990		2940	11600	157* [d]	11300	148* [d]	3	40-140/30
86-73-7	Fluorene	1440		2940	3510	70	3680	77	5	40-140/30
118-74-1	Hexachlorobenzene	ND		2940	2070	70	2100	72	1	40-140/30
87-68-3	Hexachlorobutadiene	ND		2940	2020	69	1940	67	4	40-140/30
77-47-4	Hexachlorocyclopentadiene	ND		2940	ND	0* [e]	ND	0* [e]	nc	40-140/30
67-72-1	Hexachloroethane	ND		2940	1900	65	1820	62	4	40-140/30
193-39-5	Indeno(1,2,3-cd)pyrene	1120		2940	3720	88	3720	89	0	40-140/30
78-59-1	Isophorone	ND		2940	2100	71	2020	69	4	40-140/30
91-57-6	2-Methylnaphthalene	823		2940	2670	63	2580	60	3	40-140/30
88-74-4	2-Nitroaniline	ND		2940	2110	72	2150	74	2	40-140/30
99-09-2	3-Nitroaniline	ND		2940	2070	70	2090	72	1	40-140/30
100-01-6	4-Nitroaniline	ND		2940	2110	72	2220	76	5	40-140/30
91-20-3	Naphthalene	4750		2940	5200	15* [b]	5690	32* [b]	9	40-140/30
98-95-3	Nitrobenzene	ND		2940	2180	74	2000	69	9	40-140/30
621-64-7	N-Nitroso-di-n-propylamine	ND		2940	2290	78	2190	75	4	40-140/30
86-30-6	N-Nitrosodiphenylamine	ND		2940	5400	184* [c]	5360	184* [c]	1	40-140/30
85-01-8	Phenanthrene	6440		2940	9280	97	9790	115	5	40-140/30
129-00-0	Pyrene	5070		2940	8590	120	8760	127	2	40-140/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23133-1	Limits
367-12-4	2-Fluorophenol	61%	62%	69%	30-130%
4165-62-2	Phenol-d5	68%	68%	77%	30-130%
118-79-6	2,4,6-Tribromophenol	59%	60%	52%	30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23273
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34292-MS	F66064.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058
OP34292-MSD	F66065.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058
MC23133-1 [a]	F66066.D	5	08/09/13	KR	08/06/13	OP34292	MSF3058

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23273-23

CAS No.	Surrogate Recoveries	MS	MSD	MC23133-1	Limits
4165-60-0	Nitrobenzene-d5	76%	69%	78%	30-130%
321-60-8	2-Fluorobiphenyl	73%	72%	77%	30-130%
1718-51-0	Terphenyl-d14	78%	80%	83%	30-130%

(a) Elevated RL due to dilution required for matrix interference.
(b) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(c) Outside control limits. Associated samples are non-detect for this compound.
(d) Outside control limits due to high level in sample relative to spike amount.
(e) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: MC23273
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSF3031-DFTPP
Lab File ID: F65348.D
Instrument ID: GCMSF
Injection Date: 07/01/13
Injection Time: 15:51

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	13986	31.1		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	17861	39.7		Pass
70	Less than 2.0% of mass 69	53	0.12	(0.30) [a]	Pass
127	40.0 - 60.0% of mass 198	18917	42.0		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	45035	100.0		Pass
199	5.0 - 9.0% of mass 198	3179	7.06		Pass
275	10.0 - 30.0% of mass 198	13412	29.8		Pass
365	1.0 - 100.0% of mass 198	1528	3.39		Pass
441	Present, but less than mass 443	6771	15.0	(84.1) [b]	Pass
442	40.0 - 100.0% of mass 198	40365	89.6		Pass
443	17.0 - 23.0% of mass 442	8054	17.9	(20.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSF3031-ICC3031	F65349.D	07/01/13	16:12	00:21	Initial cal 50
MSF3031-IC3031	F65350.D	07/01/13	16:36	00:45	Initial cal 2
MSF3031-IC3031	F65351.D	07/01/13	17:00	01:09	Initial cal 5
MSF3031-IC3031	F65352.D	07/01/13	17:24	01:33	Initial cal 10
MSF3031-IC3031	F65353.D	07/01/13	17:48	01:57	Initial cal 20
MSF3031-IC3031	F65354.D	07/01/13	18:12	02:21	Initial cal 80
MSF3031-IC3031	F65355.D	07/01/13	18:36	02:45	Initial cal 120
MSF3031-IC3031	F65356.D	07/01/13	19:00	03:09	Initial cal 160
MSF3031-IC3031	F65358.D	07/01/13	19:47	03:56	Initial cal 5
MSF3031-IC3031	F65359.D	07/01/13	20:11	04:20	Initial cal 10
MSF3031-IC3031	F65360.D	07/01/13	20:35	04:44	Initial cal 20
MSF3031-IC3031	F65361.D	07/01/13	20:58	05:07	Initial cal 50
MSF3031-IC3031	F65362.D	07/01/13	21:22	05:31	Initial cal 80
MSF3031-IC3031	F65363.D	07/01/13	21:45	05:54	Initial cal 120
MSF3031-IC3031	F65364.D	07/01/13	22:09	06:18	Initial cal 160
MSF3031-ICV3031	F65365.D	07/01/13	22:33	06:42	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: MC23273
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSF3058-DFTPP
Lab File ID: F66059.D
Instrument ID: GCMSF
Injection Date: 08/09/13
Injection Time: 09:09

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	37967	33.3		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	50267	44.1		Pass
70	Less than 2.0% of mass 69	284	0.25	(0.56) [a]	Pass
127	40.0 - 60.0% of mass 198	51191	44.9		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	114099	100.0		Pass
199	5.0 - 9.0% of mass 198	7945	6.96		Pass
275	10.0 - 30.0% of mass 198	32989	28.9		Pass
365	1.0 - 100.0% of mass 198	4088	3.58		Pass
441	Present, but less than mass 443	15084	13.2	(85.2) [b]	Pass
442	40.0 - 100.0% of mass 198	90768	79.6		Pass
443	17.0 - 23.0% of mass 442	17700	15.5	(19.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSF3058-CC3031	F66060.D	08/09/13	09:32	00:23	Continuing cal 80
MSF3058-CC3031	F66061.D	08/09/13	09:56	00:47	Continuing cal 50
OP34292-MB	F66062.D	08/09/13	10:20	01:11	Method Blank
OP34292-BS	F66063.D	08/09/13	10:44	01:35	Blank Spike
OP34292-MS	F66064.D	08/09/13	11:08	01:59	Matrix Spike
OP34292-MSD	F66065.D	08/09/13	11:31	02:22	Matrix Spike Duplicate
MC23133-1	F66066.D	08/09/13	11:55	02:46	(used for QC only; not part of job MC23273)
OP34276-MB	F66067.D	08/09/13	12:19	03:10	Method Blank
OP34276-BS	F66068.D	08/09/13	12:43	03:34	Blank Spike
ZZZZZZ	F66069.D	08/09/13	13:07	03:58	(unrelated sample)
ZZZZZZ	F66073.D	08/09/13	14:42	05:33	(unrelated sample)
ZZZZZZ	F66074.D	08/09/13	15:05	05:56	(unrelated sample)
ZZZZZZ	F66075.D	08/09/13	15:29	06:20	(unrelated sample)
ZZZZZZ	F66076.D	08/09/13	15:53	06:44	(unrelated sample)
ZZZZZZ	F66077.D	08/09/13	16:17	07:08	(unrelated sample)
ZZZZZZ	F66078.D	08/09/13	16:41	07:32	(unrelated sample)
ZZZZZZ	F66079.D	08/09/13	17:04	07:55	(unrelated sample)
ZZZZZZ	F66080.D	08/09/13	17:28	08:19	(unrelated sample)
ZZZZZZ	F66081.D	08/09/13	17:52	08:43	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: MC23273
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample:	MSF3058-DFTPP	**Injection Date:**	08/09/13
Lab File ID:	F66059.D	**Injection Time:**	09:09
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	F66082.D	08/09/13	18:16	09:07	(unrelated sample)
ZZZZZZ	F66083.D	08/09/13	18:40	09:31	(unrelated sample)
ZZZZZZ	F66084.D	08/09/13	19:04	09:55	(unrelated sample)
ZZZZZZ	F66085.D	08/09/13	19:28	10:19	(unrelated sample)
MC23273-23	F66086.D	08/09/13	19:52	10:43	SB-246/10-12'

Semivolatile Internal Standard Area Summary

Job Number: MC23273
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	MSF3058-CC3031	**Injection Date:**	08/09/13
Lab File ID:	F66060.D	**Injection Time:**	09:32
Instrument ID:	GCMSF	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	74126	4.23	279335	5.36	176950	7.00	325182	8.46	373506	11.26	333515	12.78
Upper Limit [a]	148252	4.73	558670	5.86	353900	7.50	650364	8.96	747012	11.76	667030	13.28
Lower Limit [b]	37063	3.73	139668	4.86	88475	6.50	162591	7.96	186753	10.76	166758	12.28

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP34292-MB	73053	4.23	275322	5.36	175770	7.00	315300	8.46	339931	11.25	311151	12.77
OP34292-BS	75478	4.23	281250	5.36	180285	7.00	328279	8.46	355784	11.26	317054	12.78
OP34292-MS	76846	4.23	280177	5.36	175869	7.00	319428	8.46	352388	11.26	333281	12.78
OP34292-MSD	74807	4.23	286251	5.36	176073	7.00	320636	8.46	350502	11.26	339862	12.78
MC23133-1	72521	4.23	273048	5.36	170409	7.00	304546	8.46	343876	11.26	345945	12.78
OP34276-MB	86371	4.23	328434	5.36	209089	7.00	391767	8.46	437628	11.26	427329	12.78
OP34276-BS	83806	4.23	315236	5.36	199411	7.00	373852	8.46	412010	11.26	394293	12.78
ZZZZZZ	81771	4.23	316834	5.36	202426	7.00	364481	8.46	404993	11.26	404901	12.78
ZZZZZZ	72496	4.23	278873	5.36	172477	7.00	316408	8.46	349937	11.26	358766	12.78
ZZZZZZ	84116	4.23	321634	5.36	205094	7.00	365950	8.46	411560	11.26	412586	12.78
ZZZZZZ	69432	4.23	260652	5.36	167657	7.00	311657	8.46	339357	11.26	352308	12.78
ZZZZZZ	73492	4.23	273532	5.36	172844	7.00	330162	8.46	378898	11.26	403273	12.79
ZZZZZZ	70267	4.23	263215	5.36	160388	7.00	288992	8.46	357225	11.26	380648	12.79
ZZZZZZ	70279	4.23	269581	5.36	156160	7.00	267840	8.46	316243	11.26	338816	12.78
ZZZZZZ	70469	4.23	260144	5.36	153293	7.00	269104	8.46	322263	11.26	344050	12.78
ZZZZZZ	74633	4.23	274819	5.36	168148	7.00	290047	8.46	319878	11.26	352616	12.78
ZZZZZZ	66736	4.23	245877	5.36	150695	7.00	275224	8.46	325523	11.26	349797	12.78
ZZZZZZ	70608	4.23	264796	5.36	162680	7.00	285747	8.46	341960	11.26	370002	12.79
ZZZZZZ	78045	4.23	287827	5.36	182440	7.00	324211	8.46	361085	11.26	372559	12.78
ZZZZZZ	77516	4.23	290146	5.36	177298	7.00	310323	8.46	341110	11.26	361327	12.78
ZZZZZZ	77332	4.23	290501	5.36	175334	7.00	308690	8.46	423816	11.27	455000	12.80
MC23273-23	72429	4.23	265920	5.36	161304	7.00	279387	8.46	331810	11.26	342672	12.79

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: MC23273
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Method: SW846 8270C **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC23273-23	F66086.D	67.0	70.0	56.0	67.0	77.0	72.0
OP34292-BS	F66063.D	76.0	80.0	78.0	84.0	81.0	91.0
OP34292-MB	F66062.D	74.0	77.0	69.0	81.0	78.0	87.0
OP34292-MS	F66064.D	61.0	68.0	59.0	76.0	73.0	78.0
OP34292-MSD	F66065.D	62.0	68.0	60.0	69.0	72.0	80.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	30-130%
S2 = Phenol-d5	30-130%
S3 = 2,4,6-Tribromophenol	30-130%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

Initial Calibration Summary

Job Number: MC23273 **Sample:** MSF3031-ICC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F65349.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report MSF

Method : W:\1\methods\F130701_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Calibration Files
160 =F65364.D 120 =F65363.D 80 =F65362.D 20 =F65360.D
5 =F65358.D 2 =F65350.D 10 =F65359.D 50 =F65361.D

Compound	160	120	80	20	5	2	10	50	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) N-nitrosodim	0.821	0.774	0.760	0.793	0.754		0.761	0.783	0.778	3.01
3) Pyridine	1.457	1.385	1.380	1.413	1.347		1.388	1.414	1.398	2.46
4) Aniline	1.834	1.734	1.717	1.784	1.693	1.820	1.767	1.785	1.767	2.79
5) 2-Fluorophen	1.186	1.165	1.145	1.164	1.169	1.156	1.151	1.194	1.166	1.44
6) bis(2-Chloro	0.833	0.803	0.799	0.805	0.790	0.819	0.800	0.821	0.809	1.75
7) Phenol-d5	1.520	1.462	1.460	1.508	1.484	1.513	1.424	1.502	1.484	2.24
8) Phenol	1.575	1.505	1.480	1.536	1.458	1.461	1.480	1.522	1.502	2.70
9) 2-Chlorophen	1.315	1.252	1.225	1.250	1.175	1.243	1.226	1.269	1.244	3.22
10) 1,3-Dichloro	1.506	1.445	1.425	1.452	1.440	1.427	1.462	1.460	1.452	1.77
11) 1,4-Dichloro	1.587	1.527	1.512	1.551	1.589	1.562	1.515	1.537	1.548	1.94
12) 1,2-Dichloro	1.436	1.382	1.371	1.401	1.416	1.395	1.338	1.395	1.392	2.12
13) Benzyl alcoh	0.840	0.811	0.805	0.816	0.776		0.776	0.821	0.806	2.91
14) bis(2-chloro	1.010	0.978	0.973	1.014	1.020	1.037	0.990	1.003	1.003	2.16
15) o-cresol	1.138	1.083	1.082	1.113	1.050	1.099	1.064	1.117	1.093	2.66
16) Acetophenone	1.840	1.773	1.793	1.779	1.835	1.809	1.765	1.796	1.799	1.54
17) Hexachloroet	0.571	0.546	0.537	0.556	0.567	0.481	0.536	0.544	0.542	5.13
18) N-Nitroso-di	0.919	0.896	0.897	0.910	0.880	0.899	0.858	0.908	0.896	2.15
19) m+p-cresols	1.248	1.204	1.193	1.197	1.187	1.190	1.186	1.212	1.202	1.69
20) 4-methylphen	1.248	1.204	1.193	1.197	1.187	1.190	1.186	1.212	1.202	1.69
21) I 1,4-Dichlorobenzene-d	ISTD									
22) Benzaldehyde	0.822	1.014	0.994	0.982		0.996	1.044	0.975	8.03	
23) I Naphthalene-d8	ISTD									
24) Nitrobenzene	0.389	0.386	0.375	0.378	0.366	0.349	0.363	0.387	0.374	3.79
25) Nitrobenzene	0.391	0.385	0.368	0.385	0.378	0.359	0.371	0.385	0.378	2.88
26) Isophorone	0.650	0.632	0.625	0.637	0.605	0.593	0.616	0.647	0.626	3.17
27) 2-Nitropheno	0.203	0.199	0.191	0.190	0.179		0.178	0.192	0.190	4.89
28) 2,4-Dimethyl	0.372	0.362	0.353	0.364	0.340		0.348	0.360	0.357	3.01
29) bis(2-Chloro	0.384	0.378	0.370	0.371	0.362		0.355	0.383	0.372	2.90
30) Benzoic acid	0.302	0.288	0.276	0.249			0.217	0.279	0.269	11.44
31) 2,4-Dichloro	0.331	0.317	0.307	0.312	0.303		0.295	0.318	0.312	3.77
32) 1,2,4-Trichl	0.366	0.369	0.348	0.364	0.353	0.354	0.347	0.364	0.358	2.45
33) Naphthalene	1.025	0.995	0.967	1.024	0.982	0.940	0.990	0.992	0.989	2.80
34) 2,6-Dichloro	0.324	0.317	0.306	0.314	0.300		0.302	0.311	0.311	2.76
35) 4-Chloroanil	0.451	0.435	0.422	0.429	0.409		0.415	0.427	0.427	3.19
36) Hexachlorobu	0.242	0.239	0.231	0.236	0.227	0.240	0.225	0.235	0.234	2.70
37) 4-Chloro-3-m	0.321	0.313	0.310	0.309	0.292		0.295	0.311	0.308	3.31
38) 2-Methylnaph	0.705	0.690	0.666	0.695	0.692	0.671	0.672	0.685	0.685	1.97
39) 1-Methylnaph	0.675	0.671	0.638	0.679	0.656	0.665	0.661	0.667	0.664	1.91
40) 1,2,4,5-Tetr	0.419	0.417	0.409	0.425	0.417	0.413	0.420	0.413	0.417	1.18
41) I Naphthalene-d8a	ISTD									
42) Caprolactam	0.129	0.128	0.125	0.121	0.109		0.117	0.126	0.122	5.90

Initial Calibration Summary

Job Number: MC23273 **Sample:** MSF3031-ICC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F65349.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

43)	I Acenaphthene-d10	----------	ISTD	----------							
44)	Pentachloron	0.184	0.180	0.183	0.176		0.170	0.179	0.179	2.87	
45)	Hexachlorocy	0.483	0.470	0.451	0.406	0.366	0.380	0.436	0.428	10.43	
46)	2,4,6-Trichl	0.441	0.427	0.426	0.420	0.390	0.390	0.409	0.415	4.69	
47)	2,4,5-Trichl	0.466	0.453	0.449	0.439	0.426	0.407	0.445	0.441	4.37	
48)	2-Fluorobiph	1.365	1.362	1.343	1.353	1.354	1.323	1.325	1.345	1.346	1.15
49)	2-Chloronaph	1.126	1.103	1.106	1.102	1.078	1.022	1.056	1.096	1.086	3.07
50)	Acenaphthyle	1.791	1.746	1.748	1.730	1.675	1.651	1.690	1.750	1.723	2.70
51)	Dimethylphth	1.304	1.283	1.269	1.287	1.275	1.247	1.252	1.279	1.274	1.46
52)	2,4-Dinitrot	0.396	0.378	0.385	0.369	0.324	0.339	0.379	0.367	7.07	
53)	Acenaphthene	1.121	1.095	1.095	1.118	1.071	1.077	1.058	1.085	1.090	2.02
54)	2,4-Dinitrop	0.228	0.216	0.210	0.167		0.201	0.205	11.24		
55)	Dibenzofuran	1.656	1.616	1.652	1.655	1.628	1.611	1.616	1.643	1.635	1.18
56)	2,6-Dinitrot	0.312	0.302	0.298	0.285	0.253	0.265	0.294	0.287	7.31	
57)	4-Nitropheno	0.249	0.238	0.242	0.235		0.215	0.232	0.235	4.82	
58)	2,3,4,6-Tetr	0.418	0.404	0.401	0.387	0.354	0.368	0.396	0.390	5.66	
59)	Fluorene	1.331	1.272	1.294	1.278	1.236	1.207	1.219	1.284	1.265	3.26
60)	4-Chlorophen	0.731	0.706	0.716	0.703	0.701	0.669	0.671	0.710	0.701	3.05
61)	Diethylphtha	1.240	1.206	1.219	1.240	1.291	1.353	1.222	1.238	1.251	3.85
62)	2-nitroanili	0.381	0.361	0.361	0.345	0.308	0.322	0.357	0.348	7.19	
63)	3-nitroanili	0.313	0.299	0.303	0.297		0.267	0.301	0.297	5.25	
64)	4-nitroanili	0.314	0.293	0.305	0.300		0.273	0.303	0.298	4.73	
65)	Acenaphthene-d10a	----------	ISTD	----------							
66)	1,1'-Bipheny	1.408	1.406	1.399	1.348	1.349	1.379	1.396	1.384	1.85	
67)	I Phenanthrene-d10	----------	ISTD	----------							
68)	4,6-Dinitro-	0.168	0.161	0.155	0.137		0.114	0.153	0.148	13.16	
69)	n-Nitrosodip	0.534	0.530	0.507	0.510	0.474	0.470	0.497	0.508	0.504	4.59
70)	1,2-Diphenyl	0.661	0.658	0.641	0.647	0.612	0.607	0.640	0.655	0.640	3.20
71)	2,4,6-Tribro	0.139	0.139	0.130	0.123	0.116	0.119	0.132	0.128	7.19	
72)	4-Bromopheny	0.259	0.254	0.246	0.241	0.232	0.240	0.240	0.248	0.245	3.46
73)	Hexachlorobe	0.265	0.265	0.257	0.254	0.244	0.236	0.248	0.258	0.253	3.99
74)	Pentachlorop	0.200	0.190	0.186	0.170		0.159	0.185	0.181	8.09	
75)	Phenanthrene	1.060	1.032	1.025	1.055	1.003	1.032	1.035	1.033	1.034	1.71
76)	Anthracene	1.112	1.111	1.088	1.097	1.028	1.003	1.058	1.096	1.074	3.78
77)	Carbazole	0.986	0.959	0.955	0.960	0.906	0.861	0.922	0.955	0.938	4.22
78)	Di-n-butylph	1.130	1.133	1.123	1.097	1.031	1.050	1.135	1.100	3.89	
79)	Fluoranthene	1.097	1.093	1.094	1.104	1.055	0.991	1.072	1.096	1.075	3.50
80)	I Phenanthrene-d10a	----------	ISTD	----------							
81)	Atrazine	0.227	0.224	0.219	0.188		0.207	0.225	0.215	6.97	
82)	I Chrysene-d12	----------	ISTD	----------							
83)	Benzidine	0.408	0.418	0.349			0.373	0.416	0.393	7.83	
84)	Pyrene	1.107	1.148	1.104	1.131	1.070	1.017	1.099	1.106	1.098	3.62
85)	Terphenyl-d1	0.841	0.891	0.847	0.876	0.820	0.836	0.842	0.843	0.849	2.70
86)	3,3-Dimethyl	0.580	0.602	0.518			0.558	0.600	0.572	6.09	
87)	Butylbenzylp	0.434	0.441	0.419	0.412	0.363	0.378	0.415	0.409	7.00	
88)	3,3'-Dichlor	0.456	0.453	0.441	0.407	0.339	0.373	0.434	0.415	10.71	
89)	Benzo[a]anth	1.050	1.070	1.034	1.044	0.991	0.991	1.013	1.041	1.029	2.76
90)	Chrysene	1.013	1.013	1.004	1.045	1.009	0.981	0.992	0.994	1.006	1.92
91)	bis(2-Ethylh	0.611	0.624	0.596	0.546	0.438	0.499	0.603	0.560	12.32	
92)	I Perylene-d12	----------	ISTD	----------							
93)	Di-n-octylph	1.001	1.027	0.969	0.828	0.624	0.731	1.008	0.884	17.93	
	---- Linear regression ---- Coefficient = 0.9964										
	Response Ratio = -0.05271 + 1.00371 *A										
94)	Benzo[b]fluo	1.190	1.263	1.147	1.095	0.942	0.933	1.003	1.115	1.086	10.89

Initial Calibration Summary

Job Number: MC23273 **Sample:** MSF3031-ICC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F65349.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
 95) Benzo[k]fluo 1.156 1.090 1.158 1.246 1.141 1.110 1.182 1.180 1.158   4.13
 96) Benzo[a]pyre 1.107 1.089 1.071 1.077 0.919 0.799 0.937 1.062 1.007  10.93
 97) Indeno[1,2,3 1.515 1.453 1.338 1.251 1.066 0.997 1.143 1.282 1.256  14.40
 98) Dibenz[a,h]a       1.158 1.075 1.009 0.821 0.783 0.906 1.032 0.969  14.16
 99) Benzo[g,h,i] 1.254 1.206 1.113 1.088 0.939 0.863 0.985 1.084 1.066  12.37

100)     Naphthalene-d8b       ----------------ISTD---------------------
101) o-Toluic Aci 0.230 0.228 0.216 0.187 0.121       0.147 0.211 0.191  22.04
             ---- Linear regression ----  Coefficient =  0.9964
               Response Ratio = -0.01424 + 0.22380 *A

102) m-Toluic Aci 0.312 0.289 0.279 0.226 0.143       0.178 0.251 0.240  25.63
             ---- Quadratic regression ----  Coefficient =  0.9990
               Response Ratio = -0.01262 + 0.23658 *A + 0.02004 *A^2

103) p-Toluic Aci 0.298 0.301 0.306 0.323 0.292       0.335 0.295 0.307   5.22
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           F130701_8270+.m        Thu Jul 11 12:07:39 2013
```

Initial Calibration Verification

Job Number: MC23273 **Sample:** MSF3031-ICV3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F65365.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : F:\1\DATA\F130701\F65365.D Vial: 15
Acq On : 1 Jul 2013 10:33 pm Operator: kristinr
Sample : ICV3031-50 Inst : MSF
Misc : OP33788,MSF3031,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\met...\F130701_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Wed Jul 10 07:01:30 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	143	0.00	4.42
2		N-nitrosodimethylamine	0.778	0.761	2.2	139	0.01	2.46
3	T	Pyridine	1.398	1.332	4.7	135	0.01	2.47
4	T	Aniline	1.767	1.442	18.4	116	0.00	4.18
5	S	2-Fluorophenol	1.166	1.173	-0.6	141	0.00	3.41
6	T	bis(2-Chloroethyl)ether	0.809	0.784	3.1	137	0.00	4.22
7	S	Phenol-d5	1.484	1.462	1.5	139	0.00	4.14
8	C	Phenol	1.502	1.516	-0.9	143	0.00	4.14
9	M	2-Chlorophenol	1.244	1.247	-0.2	141	0.00	4.27
10	T	1,3-Dichlorobenzene	1.452	1.414	2.6	139	0.00	4.40
11	C	1,4-Dichlorobenzene	1.548	1.482	4.3	138	0.00	4.44
12	T	1,2-Dichlorobenzene	1.392	1.364	2.0	140	0.00	4.60
13	T	Benzyl alcohol	0.806	0.774	4.0	135	0.00	4.55
14	T	bis(2-chloroisopropyl)eth	1.003	1.157	-15.4	165	0.00	4.68
15	T	o-cresol	1.093	1.102	-0.8	141	0.00	4.65
16	T	Acetophenone	1.799	1.724	4.2	137	0.00	4.79
17	T	Hexachloroethane	0.542	0.538	0.7	142	0.00	4.87
18	P	N-Nitroso-di-n-propylamin	0.896	0.934	-4.2	147	0.00	4.81
19	T	m+p-cresols	1.202	1.201	0.1	142	0.00	4.78
20		4-methylphenol	1.202	1.201	0.1	142	0.00	4.78
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	62	0.00	4.42
22		Benzaldehyde	0.975	0.723	25.8#	43#	0.00	4.07
23	I	Naphthalene-d8	1.000	1.000	0.0	144	0.00	5.55
24	S	Nitrobenzene-d5	0.374	0.380	-1.6	142	0.00	4.92
25	T	Nitrobenzene	0.378	0.363	4.0	136	0.00	4.94
26	T	Isophorone	0.626	0.614	1.9	137	0.00	5.14
27	C	2-Nitrophenol	0.190	0.193	-1.6	145	0.00	5.22
28	T	2,4-Dimethylphenol	0.357	0.365	-2.2	146	0.00	5.25
29	T	bis(2-Chloroethoxy)methan	0.372	0.380	-2.2	143	0.00	5.34
30	T	Benzoic acid	0.269	0.319	-18.6	165	0.01	5.35
31	C	2,4-Dichlorophenol	0.312	0.317	-1.6	144	0.00	5.44
32	M	1,2,4-Trichlorobenzene	0.358	0.364	-1.7	144	0.00	5.52
33	T	Naphthalene	0.989	0.990	-0.1	144	0.00	5.58
34	T	2,6-Dichlorophenol	0.311	0.311	0.0	144	0.00	5.65
35	T	4-Chloroaniline	0.427	0.341	20.1#	116	0.00	5.64
36	C	Hexachlorobutadiene	0.234	0.237	-1.3	146	0.00	5.74
37	C	4-Chloro-3-methylphenol	0.308	0.320	-3.9	149	0.00	6.08
38	T	2-Methylnaphthalene	0.685	0.658	3.9	139	0.00	6.21
39	T	1-Methylnaphthalene	0.664	0.639	3.8	138	0.00	6.31
40	T	1,2,4,5-Tetrachlorobenzen	0.417	0.398	4.6	139	0.00	6.40

Initial Calibration Verification

Job Number: MC23273 **Sample:** MSF3031-ICV3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F65365.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

41	I	Naphthalene-d8a	1.000	1.000	0.0	63	0.00	5.55
42		Caprolactam	0.122	0.121	0.8	60	-0.07	5.93
43	I	Acenaphthene-d10	1.000	1.000	0.0	151	0.00	7.20
44	T	Pentachloronitrobenzene	0.179	0.175	2.2	147	0.00	8.64
45	P	Hexachlorocyclopentadiene	0.428	0.208	51.4#	72	0.00	6.42
46	C	2,4,6-Trichlorophenol	0.415	0.412	0.7	152	0.00	6.49
47	T	2,4,5-Trichlorophenol	0.441	0.448	-1.6	152	0.00	6.53
48	S	2-Fluorobiphenyl	1.346	1.356	-0.7	152	0.00	6.56
49	T	2-Chloronaphthalene	1.086	1.100	-1.3	151	0.00	6.66
50	M	Acenaphthylene	1.723	1.721	0.1	148	0.00	7.06
51	T	Dimethylphthalate	1.274	1.243	2.4	146	0.00	6.98
52	T	2,4-Dinitrotoluene	0.367	0.396	-7.9	157	0.00	7.42
53	C	Acenaphthene	1.090	1.100	-0.9	153	0.00	7.23
54	P	2,4-Dinitrophenol	0.205	0.213	-3.9	159	0.00	7.27
55	T	Dibenzofuran	1.635	1.545	5.5	142	0.00	7.39
56	M	2,6-Dinitrotoluene	0.287	0.289	-0.7	148	0.00	7.05
57	P	4-Nitrophenol	0.235	0.240	-2.1	156	0.00	7.33
58	T	2,3,4,6-Tetrachlorophenol	0.390	0.404	-3.6	153	0.00	7.54
59	T	Fluorene	1.265	1.320	-4.3	155	0.00	7.72
60	T	4-Chlorophenyl-phenylethe	0.701	0.715	-2.0	152	0.00	7.71
61	T	Diethylphthalate	1.251	1.263	-1.0	154	0.00	7.66
62	T	2-nitroaniline	0.348	0.355	-2.0	150	0.00	6.79
63	T	3-nitroaniline	0.297	0.232	21.9#	116	0.00	7.17
64	T	4-nitroaniline	0.298	0.280	6.0	139	0.00	7.78
65		Acenaphthene-d10a	1.000	1.000	0.0	66	0.00	7.20
66		1,1'-Biphenyl	1.384	1.300	6.1	61	0.00	6.65
67	I	Phenanthrene-d10	1.000	1.000	0.0	158	0.00	8.68
68	T	4,6-Dinitro-2-methylpheno	0.148	0.161	-8.8	165	0.00	7.81
69	C	n-Nitrosodiphenylamine	0.504	0.462	8.3	144	0.00	7.84
70	T	1,2-Diphenylhydrazine	0.640	0.604	5.6	145	0.00	7.87
71	S	2,4,6-Tribromophenol	0.128	0.127	0.8	153	0.00	7.98
72	T	4-Bromophenyl-phenylether	0.245	0.232	5.3	148	0.00	8.21
73	T	Hexachlorobenzene	0.253	0.252	0.4	154	0.00	8.37
74	C	Pentachlorophenol	0.181	0.185	-2.2	158	0.00	8.55
75	T	Phenanthrene	1.034	1.035	-0.1	158	0.00	8.71
76	T	Anthracene	1.074	1.015	5.5	146	0.00	8.75
77	T	Carbazole	0.938	0.920	1.9	152	0.00	8.93
78	T	Di-n-butylphthalate	1.100	1.090	0.9	152	0.00	9.37
79	C	Fluoranthene	1.075	1.145	-6.5	165	0.00	9.97
80	I	Phenanthrene-d10a	1.000	1.000	0.0	65	0.00	8.68
81		Atrazine	0.215	0.216	-0.5	62	-0.01	8.41
82	I	Chrysene-d12	1.000	1.000	0.0	159	0.00	11.48
83	T	Benzidine	0.393	0.297	24.4#	113	0.00	10.10
84	M	Pyrene	1.098	1.074	2.2	154	0.00	10.19
85	S	Terphenyl-d14	0.849	0.863	-1.6	162	0.00	10.36
86		3,3-Dimethylbenzidine		----------NA----------				
87	T	Butylbenzylphthalate	0.409	0.429	-4.9	164	0.00	10.91
88	T	3,3'-Dichlorobenzidine	0.415	0.352	15.2	129	0.00	11.45
89	T	Benzo[a]anthracene	1.029	1.084	-5.3	165	0.00	11.46
90	T	Chrysene	1.006	1.009	-0.3	161	0.00	11.50
91	T	bis(2-Ethylhexyl)phthalat	0.560	0.618	-10.4	163	0.00	11.58
92	I	Perylene-d12	1.000	1.000	0.0	162	0.00	13.01

Initial Calibration Verification

Job Number: MC23273 **Sample:** MSF3031-ICV3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F65365.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
93	C	Di-n-octylphthalate	50.000	55.011	-10.0	170	0.00	12.25
			AvgRF	CCRF	%Dev			
94	T	Benzo[b]fluoranthene	1.086	1.153	-6.2	167	0.00	12.63
95	T	Benzo[k]fluoranthene	1.158	1.156	0.2	158	0.00	12.65
96	C	Benzo[a]pyrene	1.007	0.966	4.1	147	0.00	12.95
97	T	Indeno[1,2,3-cd]pyrene	1.256	1.340	-6.7	169	0.00	14.11
98	T	Dibenz[a,h]anthracene	0.969	1.094	-12.9	171	0.00	14.12
99	T	Benzo[g,h,i]perylene	1.066	1.118	-4.9	167	0.00	14.41
100		Naphthalene-d8b	1.000	1.000	0.0	63	0.00	5.55
			Amount	Calc.	%Drift			
101		o-Toluic Acid		----------	NA ----------			
102		m-Toluic Acid		----------	NA ----------			
			AvgRF	CCRF	%Dev			
103		p-Toluic Acid		----------	NA ----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F65361.D F130701_8270+.m Wed Jul 10 14:27:25 2013

Continuing Calibration Summary

Job Number: MC23273 **Sample:** MSF3058-CC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F66060.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : F:\1\DATA\F130809\F66060.D Vial: 100
Acq On : 9 Aug 2013 9:32 am Operator: KRISTINR
Sample : CC3031-80, tcl42 Inst : MSF
Misc : OP34224,MSF3058,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : W:\1\methods\F130701_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Wed Jul 10 07:01:30 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	127	-0.03	4.23
2		N-nitrosodimethylamine		----------NA----------				
3	T	Pyridine		----------NA----------				
4	T	Aniline		----------NA----------				
5	S	2-Fluorophenol		----------NA----------				
6	T	bis(2-Chloroethyl)ether		----------NA----------				
7	S	Phenol-d5		----------NA----------				
8	C	Phenol		----------NA----------				
9	M	2-Chlorophenol		----------NA----------				
10	T	1,3-Dichlorobenzene		----------NA----------				
11	C	1,4-Dichlorobenzene		----------NA----------				
12	T	1,2-Dichlorobenzene		----------NA----------				
13	T	Benzyl alcohol		----------NA----------				
14	T	bis(2-chloroisopropyl)eth		----------NA----------				
15	T	o-cresol		----------NA----------				
16	T	Acetophenone		----------NA----------				
17	T	Hexachloroethane		----------NA----------				
18	P	N-Nitroso-di-n-propylamin		----------NA----------				
19	T	m+p-cresols		----------NA----------				
20		4-methylphenol		----------NA----------				
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	71	-0.03	4.23
22		Benzaldehyde	0.975	1.202	-23.3#	85	-0.04	3.88
23	I	Naphthalene-d8	1.000	1.000	0.0	130	-0.03	5.36
24	S	Nitrobenzene-d5		----------NA----------				
25	T	Nitrobenzene		----------NA----------				
26	T	Isophorone		----------NA----------				
27	C	2-Nitrophenol		----------NA----------				
28	T	2,4-Dimethylphenol		----------NA----------				
29	T	bis(2-Chloroethoxy)methan		----------NA----------				
30	T	Benzoic acid		----------NA----------				
31	C	2,4-Dichlorophenol		----------NA----------				
32	M	1,2,4-Trichlorobenzene		----------NA----------				
33	T	Naphthalene		----------NA----------				
34	T	2,6-Dichlorophenol		----------NA----------				
35	T	4-Chloroaniline		----------NA----------				
36	C	Hexachlorobutadiene		----------NA----------				
37	C	4-Chloro-3-methylphenol		----------NA----------				
38	T	2-Methylnaphthalene		----------NA----------				
39	T	1-Methylnaphthalene		----------NA----------				
40	T	1,2,4,5-Tetrachlorobenzen		----------NA----------				

Continuing Calibration Summary

Job Number: MC23273 **Sample:** MSF3058-CC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F66060.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

41	I	Naphthalene-d8a	1.000	1.000	0.0	72	-0.03	5.36
42		Caprolactam	0.122	0.125	-2.5	72	-0.10	5.73
43	I	Acenaphthene-d10	1.000	1.000	0.0	136	-0.03	7.00
44	T	Pentachloronitrobenzene		----------NA----------				
45	P	Hexachlorocyclopentadiene		----------NA----------				
46	C	2,4,6-Trichlorophenol		----------NA----------				
47	T	2,4,5-Trichlorophenol		----------NA----------				
48	S	2-Fluorobiphenyl		----------NA----------				
49	T	2-Chloronaphthalene		----------NA----------				
50	M	Acenaphthylene		----------NA----------				
51	T	Dimethylphthalate		----------NA----------				
52	T	2,4-Dinitrotoluene		----------NA----------				
53	C	Acenaphthene		----------NA----------				
54	P	2,4-Dinitrophenol		----------NA----------				
55	T	Dibenzofuran		----------NA----------				
56	M	2,6-Dinitrotoluene		----------NA----------				
57	P	4-Nitrophenol		----------NA----------				
58	T	2,3,4,6-Tetrachlorophenol		----------NA----------				
59	T	Fluorene		----------NA----------				
60	T	4-Chlorophenyl-phenylethe		----------NA----------				
61	T	Diethylphthalate		----------NA----------				
62	T	2-nitroaniline		----------NA----------				
63	T	3-nitroaniline		----------NA----------				
64	T	4-nitroaniline		----------NA----------				
65		Acenaphthene-d10a	1.000	1.000	0.0	73	-0.03	7.00
66		1,1'-Biphenyl	1.384	1.424	-2.9	74	-0.04	6.45
67	I	Phenanthrene-d10	1.000	1.000	0.0	137	-0.04	8.46
68	T	4,6-Dinitro-2-methylpheno		----------NA----------				
69	C	n-Nitrosodiphenylamine		----------NA----------				
70	T	1,2-Diphenylhydrazine		----------NA----------				
71	S	2,4,6-Tribromophenol		----------NA----------				
72	T	4-Bromophenyl-phenylether		----------NA----------				
73	T	Hexachlorobenzene		----------NA----------				
74	C	Pentachlorophenol		----------NA----------				
75	T	Phenanthrene		----------NA----------				
76	T	Anthracene		----------NA----------				
77	T	Carbazole		----------NA----------				
78	T	Di-n-butylphthalate		----------NA----------				
79	C	Fluoranthene		----------NA----------				
80	I	Phenanthrene-d10a	1.000	1.000	0.0	69	-0.04	8.46
81		Atrazine	0.215	0.226	-5.1	69	-0.03	8.21
82	I	Chrysene-d12	1.000	1.000	0.0	152	-0.04	11.26
83	T	Benzidine		----------NA----------				
84	M	Pyrene		----------NA----------				
85	S	Terphenyl-d14		----------NA----------				
86		3,3-Dimethylbenzidine		----------NA----------				
87	T	Butylbenzylphthalate		----------NA----------				
88	T	3,3'-Dichlorobenzidine		----------NA----------				
89	T	Benzo[a]anthracene		----------NA----------				
90	T	Chrysene		----------NA----------				
91	T	bis(2-Ethylhexyl)phthalat		----------NA----------				
92	I	Perylene-d12	1.000	1.000	0.0	144	-0.04	12.78

Continuing Calibration Summary

Job Number: MC23273 **Sample:** MSF3058-CC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F66060.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift		
93	C	Di-n-octylphthalate		NA			
			AvgRF	CCRF	%Dev		
94	T	Benzo[b]fluoranthene		NA			
95	T	Benzo[k]fluoranthene		NA			
96	C	Benzo[a]pyrene		NA			
97	T	Indeno[1,2,3-cd]pyrene		NA			
98	T	Dibenz[a,h]anthracene		NA			
99	T	Benzo[g,h,i]perylene		NA			
100		Naphthalene-d8b	1.000	1.000	0.0	72	-0.03 5.36
			Amount	Calc.	%Drift		
101		o-Toluic Acid		NA			
102		m-Toluic Acid		NA			
			AvgRF	CCRF	%Dev		
103		p-Toluic Acid		NA			

(#) = Out of Range SPCC's out = 4 CCC's out = 13
F65362.D F130701_8270+.m Fri Aug 09 10:41:44 2013

Continuing Calibration Summary

Job Number: MC23273 **Sample:** MSF3058-CC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F66061.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : F:\1\DATA\F130809\F66061.D Vial: 96
Acq On : 9 Aug 2013 9:56 am Operator: KRISTINR
Sample : CC3031-50 Inst : MSF
Misc : OP34224,MSF3058,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : W:\1\methods\F130701_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Wed Jul 10 07:01:30 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	132	-0.03	4.23
2		N-nitrosodimethylamine	0.778	0.756	2.8	127	-0.10	2.27
3	T	Pyridine	1.398	1.320	5.6	123	-0.10	2.28
4	T	Aniline	1.767	1.800	-1.9	133	-0.03	3.99
5	S	2-Fluorophenol	1.166	1.226	-5.1	135	-0.04	3.25
6	T	bis(2-Chloroethyl)ether	0.809	0.920	-13.7	148	-0.03	4.03
7	S	Phenol-d5	1.484	1.588	-7.0	139	-0.01	3.97
8	C	Phenol	1.502	1.776	-18.2	154	-0.01	3.99
9	M	2-Chlorophenol	1.244	1.294	-4.0	134	-0.03	4.09
10	T	1,3-Dichlorobenzene	1.452	1.485	-2.3	134	-0.03	4.20
11	C	1,4-Dichlorobenzene	1.548	1.588	-2.6	136	-0.04	4.24
12	T	1,2-Dichlorobenzene	1.392	1.443	-3.7	136	-0.03	4.41
13	T	Benzyl alcohol	0.806	0.561	30.4#	90	-0.02	4.37
14	T	bis(2-chloroisopropyl)eth	1.003	1.133	-13.0	149	-0.02	4.50
15	T	o-cresol	1.093	1.169	-7.0	138	0.00	4.48
16	T	Acetophenone	1.799	1.955	-8.7	143	-0.02	4.60
17	T	Hexachloroethane	0.542	0.604	-11.4	146	-0.02	4.67
18	P	N-Nitroso-di-n-propylamin	0.896	1.078	-20.3#	156	-0.01	4.62
19	T	m+p-cresols	1.202	1.362	-13.3	148	0.00	4.61
20		4-methylphenol	1.202	1.362	-13.3	148	0.00	4.61
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	57	-0.03	4.23
22		Benzaldehyde		----------NA----------				
23	I	Naphthalene-d8	1.000	1.000	0.0	136	-0.03	5.36
24	S	Nitrobenzene-d5	0.374	0.434	-16.0	152	-0.04	4.74
25	T	Nitrobenzene	0.378	0.445	-17.7	157	-0.04	4.75
26	T	Isophorone	0.626	0.727	-16.1	152	-0.04	4.95
27	C	2-Nitrophenol	0.190	0.201	-5.8	142	-0.04	5.04
28	T	2,4-Dimethylphenol	0.357	0.396	-10.9	149	-0.02	5.08
29	T	bis(2-Chloroethoxy)methan	0.372	0.401	-7.8	142	-0.03	5.15
30	T	Benzoic acid	0.269	0.278	-3.3	135	0.00	5.18
31	C	2,4-Dichlorophenol	0.312	0.329	-5.4	141	-0.02	5.25
32	M	1,2,4-Trichlorobenzene	0.358	0.369	-3.1	137	-0.03	5.32
33	T	Naphthalene	0.989	1.036	-4.8	142	-0.03	5.38
34	T	2,6-Dichlorophenol	0.311	0.313	-0.6	137	-0.02	5.46
35	T	4-Chloroaniline	0.427	0.428	-0.2	136	-0.02	5.45
36	C	Hexachlorobutadiene	0.234	0.250	-6.8	145	-0.03	5.54
37	C	4-Chloro-3-methylphenol	0.308	0.352	-14.3	153	0.01	5.91
38	T	2-Methylnaphthalene	0.685	0.732	-6.9	145	-0.01	6.01
39	T	1-Methylnaphthalene	0.664	0.693	-4.4	141	-0.01	6.11
40	T	1,2,4,5-Tetrachlorobenzen	0.417	0.442	-6.0	145	0.00	6.21

Continuing Calibration Summary

Job Number: MC23273 **Sample:** MSF3058-CC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F66061.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

41	I	Naphthalene-d8a	1.000	1.000	0.0	59	-0.03	5.36
42		Caprolactam		----------NA----------				
43	I	Acenaphthene-d10	1.000	1.000	0.0	141	-0.03	7.00
44	T	Pentachloronitrobenzene	0.179	0.212	-18.4	166	-0.01	8.42
45	P	Hexachlorocyclopentadiene	0.428	0.350	18.2	113	-0.04	6.22
46	C	2,4,6-Trichlorophenol	0.415	0.412	0.7	142	-0.04	6.31
47	T	2,4,5-Trichlorophenol	0.441	0.453	-2.7	143	-0.02	6.35
48	S	2-Fluorobiphenyl	1.346	1.363	-1.3	143	-0.04	6.37
49	T	2-Chloronaphthalene	1.086	1.132	-4.2	145	-0.04	6.46
50	M	Acenaphthylene	1.723	1.824	-5.9	147	-0.04	6.86
51	T	Dimethylphthalate	1.274	1.350	-6.0	149	-0.03	6.79
52	T	2,4-Dinitrotoluene	0.367	0.415	-13.1	154	-0.02	7.22
53	C	Acenaphthene	1.090	1.145	-5.0	149	-0.04	7.03
54	P	2,4-Dinitrophenol	0.205	0.185	9.8	129	-0.02	7.08
55	T	Dibenzofuran	1.635	1.721	-5.3	147	-0.03	7.18
56	M	2,6-Dinitrotoluene	0.287	0.317	-10.5	152	-0.02	6.85
57	P	4-Nitrophenol	0.235	0.269	-14.5	163	0.01	7.16
58	T	2,3,4,6-Tetrachlorophenol	0.390	0.411	-5.4	146	-0.02	7.35
59	T	Fluorene	1.265	1.408	-11.3	154	-0.03	7.52
60	T	4-Chlorophenyl-phenylethe	0.701	0.769	-9.7	152	-0.03	7.51
61	T	Diethylphthalate	1.251	1.341	-7.2	152	-0.02	7.46
62	T	2-nitroaniline	0.348	0.382	-9.8	150	-0.03	6.59
63	T	3-nitroaniline	0.297	0.318	-7.1	149	-0.03	6.98
64	T	4-nitroaniline	0.298	0.326	-9.4	151	-0.01	7.58
65		Acenaphthene-d10a	1.000	1.000	0.0	61	-0.03	7.00
66		1,1'-Biphenyl		----------NA----------				
67	I	Phenanthrene-d10	1.000	1.000	0.0	149	-0.03	8.46
68	T	4,6-Dinitro-2-methylpheno	0.148	0.151	-2.0	147	-0.03	7.62
69	C	n-Nitrosodiphenylamine	0.504	0.511	-1.4	150	-0.03	7.64
70	T	1,2-Diphenylhydrazine	0.640	0.720	-12.5	164	-0.04	7.67
71	S	2,4,6-Tribromophenol	0.128	0.118	7.8	133	-0.04	7.77
72	T	4-Bromophenyl-phenylether	0.245	0.246	-0.4	148	-0.04	8.00
73	T	Hexachlorobenzene	0.253	0.243	4.0	141	-0.04	8.15
74	C	Pentachlorophenol	0.181	0.151	16.6	122	-0.02	8.34
75	T	Phenanthrene	1.034	1.064	-2.9	154	-0.04	8.49
76	T	Anthracene	1.074	1.122	-4.5	153	-0.04	8.53
77	T	Carbazole	0.938	0.986	-5.1	154	-0.02	8.71
78	T	Di-n-butylphthalate	1.100	1.212	-10.2	159	-0.01	9.15
79	C	Fluoranthene	1.075	1.238	-15.2	168	0.00	9.76
80	I	Phenanthrene-d10a	1.000	1.000	0.0	61	-0.03	8.46
81		Atrazine		----------NA----------				
82	I	Chrysene-d12	1.000	1.000	0.0	158	-0.03	11.26
83	T	Benzidine	0.393	0.230	41.5#	88	-0.04	9.90
84	M	Pyrene	1.098	1.163	-5.9	166	-0.05	9.98
85	S	Terphenyl-d14	0.849	0.862	-1.5	162	-0.04	10.16
86		3,3-Dimethylbenzidine	0.572	0.478	16.4	126	-0.03	10.66
87	T	Butylbenzylphthalate	0.409	0.447	-9.3	170	-0.03	10.71
88	T	3,3'-Dichlorobenzidine	0.415	0.461	-11.1	168	-0.03	11.24
89	T	Benzo[a]anthracene	1.029	1.110	-7.9	169	-0.04	11.24
90	T	Chrysene	1.006	1.051	-4.5	167	-0.04	11.29
91	T	bis(2-Ethylhexyl)phthalat	0.560	0.635	-13.4	167	-0.02	11.38
92	I	Perylene-d12	1.000	1.000	0.0	157	-0.04	12.78

Continuing Calibration Summary

Job Number: MC23273 **Sample:** MSF3058-CC3031
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** F66061.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
93	C	Di-n-octylphthalate	50.000	58.029	-16.1	175	-0.03	12.04
			AvgRF	CCRF	%Dev			
94	T	Benzo[b]fluoranthene	1.086	1.285	-18.3	182	-0.04	12.40
95	T	Benzo[k]fluoranthene	1.158	1.113	3.9	149	-0.04	12.43
96	C	Benzo[a]pyrene	1.007	1.105	-9.7	164	-0.04	12.72
97	T	Indeno[1,2,3-cd]pyrene	1.256	1.338	-6.5	164	-0.07	13.83
98	T	Dibenz[a,h]anthracene	0.969	1.051	-8.5	160	-0.07	13.84
99	T	Benzo[g,h,i]perylene	1.066	1.079	-1.2	157	-0.10	14.10
100		Naphthalene-d8b	1.000	1.000	0.0	59	-0.03	5.36
			Amount	Calc.	%Drift			
101		o-Toluic Acid		----------	NA ----------			
102		m-Toluic Acid		----------	NA ----------			
			AvgRF	CCRF	%Dev			
103		p-Toluic Acid		----------	NA ----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F65361.D F130701_8270+.m Fri Aug 09 13:43:21 2013

New England ACCUTEST LABORATORIES

GC/MS Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66086.D
Acq On : 9 Aug 2013 7:52 pm
Operator : KRISTINR
Sample : MC23273-23
Misc : OP34292,MSF3058,20.17,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 14 17:07:54 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

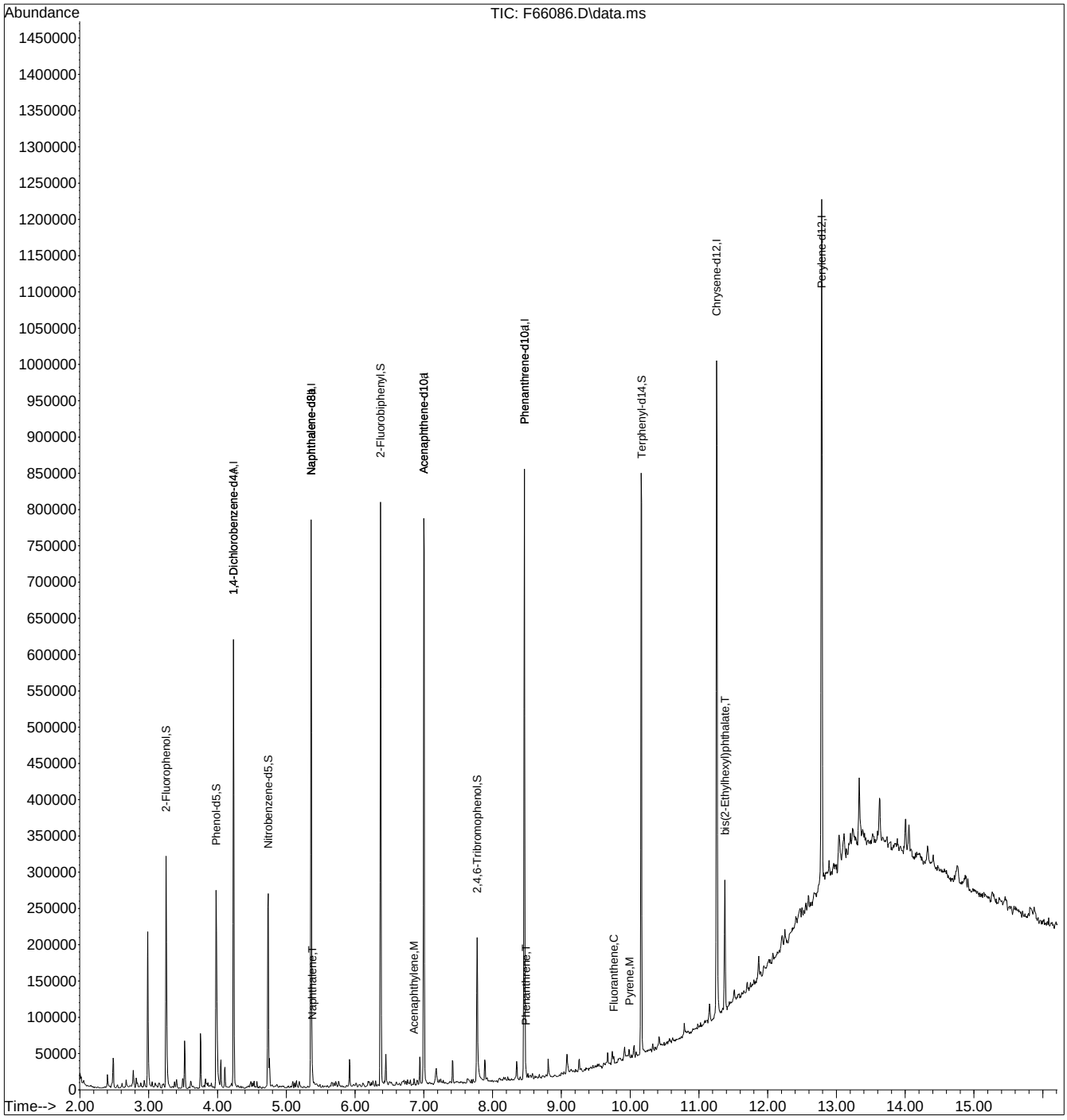
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.232	152	72429	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.232	152	72429	40.00	PPM	0.00
23) Naphthalene-d8	5.360	136	265920	40.00	ppm	0.00
41) Naphthalene-d8a	5.360	136	265920	40.00	ppm	0.00
43) Acenaphthene-d10	6.999	164	161304	40.00	ppm	0.00
65) Acenaphthene-d10a	6.999	164	161304	40.00	ppm	0.00
67) Phenanthrene-d10	8.462	188	279387	40.00	ppm	0.00
80) Phenanthrene-d10a	8.462	188	279387	40.00	ppm	0.00
82) Chrysene-d12	11.258	240	331810	40.00	ppm	0.00
92) Perylene-d12	12.786	264	342672	40.00	ppm	0.01
100) Naphthalene-d8b	5.360	136	265920	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.251	112	70672	33.47	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 33.47%			
7) Phenol-d5	3.980	99	94103	35.02	ppm	0.03
Spiked Amount 100.000	Range 30 - 130		Recovery = 35.02%			
24) Nitrobenzene-d5	4.738	82	82850	33.32	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 66.64%			
48) 2-Fluorobiphenyl	6.371	172	208517	38.41	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 76.82%			
71) 2,4,6-Tribromophenol	7.775	330	25111	28.04	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 28.04%#			
85) Terphenyl-d14	10.166	244	253828	36.02	ppm	0.01
Spiked Amount 50.000	Range 30 - 130		Recovery = 72.04%			
Target Compounds						Qvalue
33) Naphthalene	5.378	128	5676	0.86	ppm	96
50) Acenaphthylene	6.858	152	3053	0.44	ppm	96
75) Phenanthrene	8.485	178	2903	0.40	ppm	95
79) Fluoranthene	9.760	202	3316	0.44	ppm	100
84) Pyrene	9.989	202	3792	0.42	ppm	96
91) bis(2-Ethylhexyl)phtha...	11.376	149	55739	12.01	ppm	97

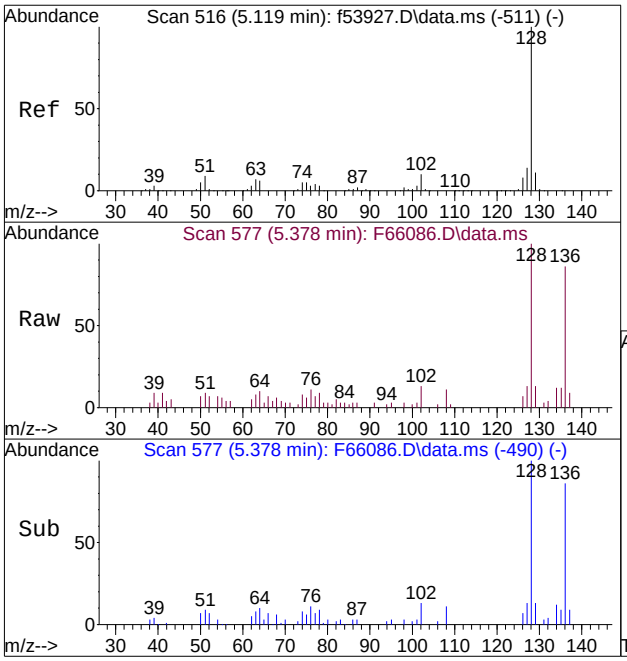
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66086.D
Acq On : 9 Aug 2013 7:52 pm
Operator : KRISTINR
Sample : MC23273-23
Misc : OP34292,MSF3058,20.17,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 14 17:07:54 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

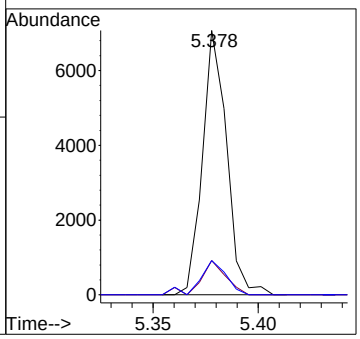


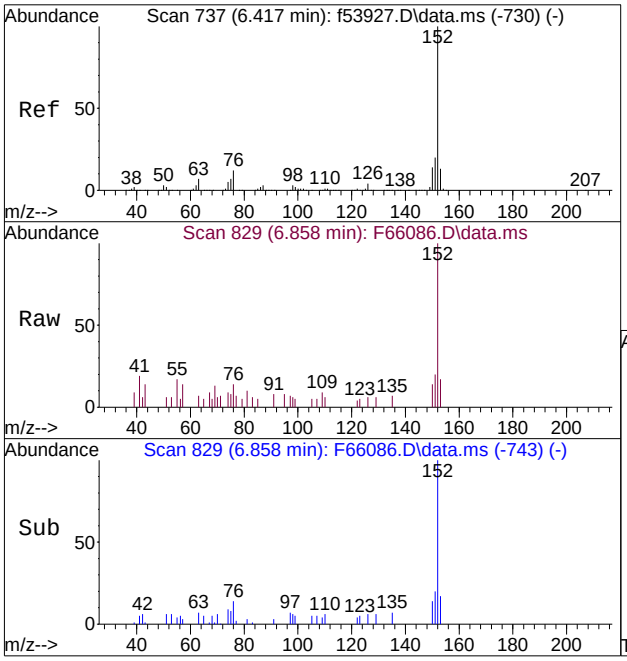


#33
Naphthalene
Concen: 0.86 ppm
RT: 5.378 min Scan# 577
Delta R.T. 0.010 min
Lab File: F66086.D
Acq: 9 Aug 2013 7:52 pm

Tgt Ion:128 Resp: 5676

Ion	Ratio	Lower	Upper
128	100		
129	12.9	0.0	40.1
127	12.9	0.0	42.3

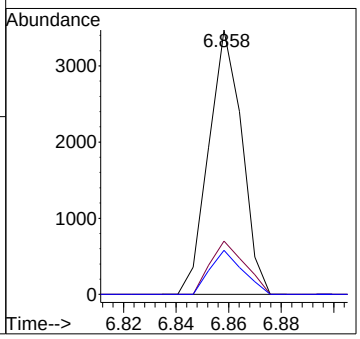


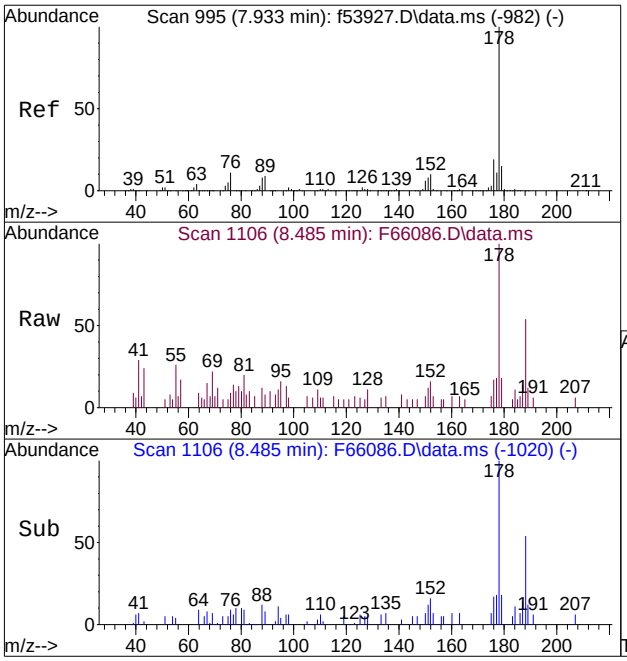


#50
Acenaphthylene
Concen: 0.44 ppm
RT: 6.858 min Scan# 829
Delta R.T. 0.004 min
Lab File: F66086.D
Acq: 9 Aug 2013 7:52 pm

Tgt Ion:152 Resp: 3053

Ion	Ratio	Lower	Upper
152	100		
151	20.2	0.0	49.3
153	16.6	0.0	43.4

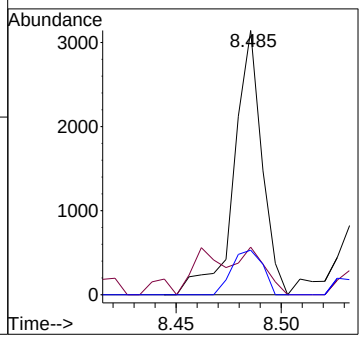


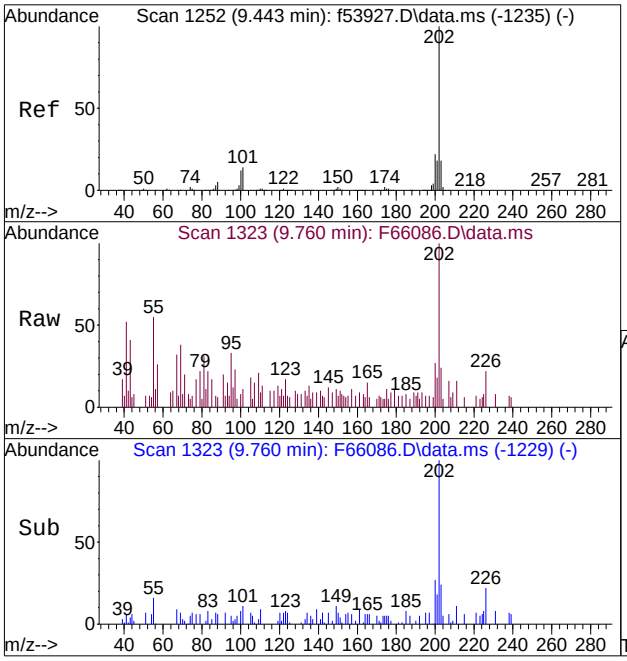


#75
Phenanthrene
Concen: 0.40 ppm
RT: 8.485 min Scan# 1106
Delta R.T. 0.004 min
Lab File: F66086.D
Acq: 9 Aug 2013 7:52 pm

Tgt Ion:178 Resp: 2903

Ion	Ratio	Lower	Upper
178	100		
179	18.0	0.0	45.2
176	16.9	0.0	48.6

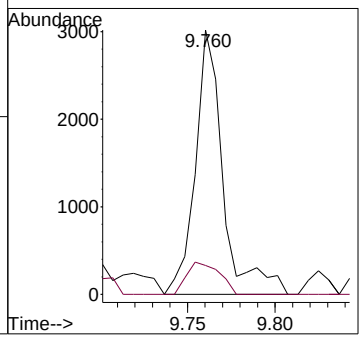


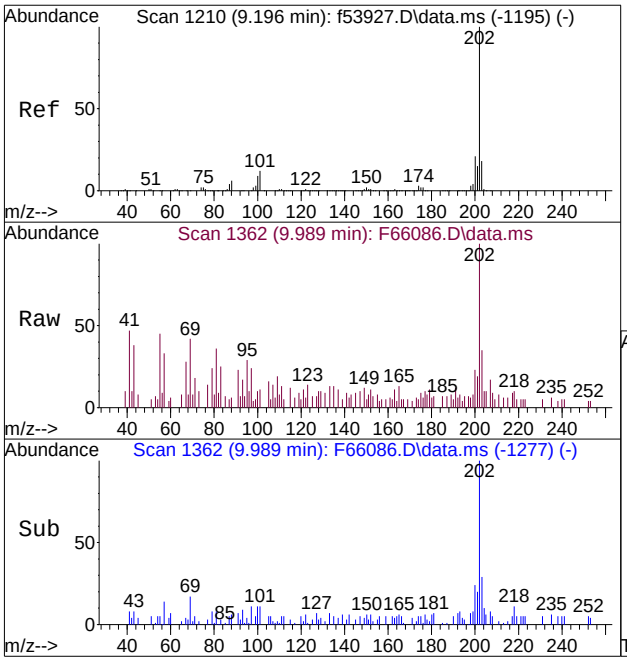


#79
Fluoranthene
Concen: 0.44 ppm
RT: 9.760 min Scan# 1323
Delta R.T. 0.055 min
Lab File: F66086.D
Acq: 9 Aug 2013 7:52 pm

Tgt Ion:202 Resp: 3316

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	41.0

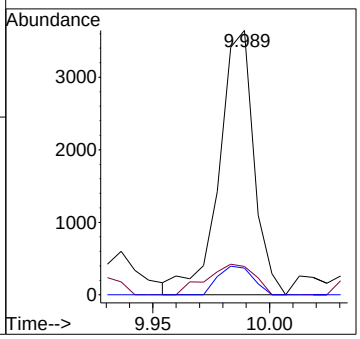


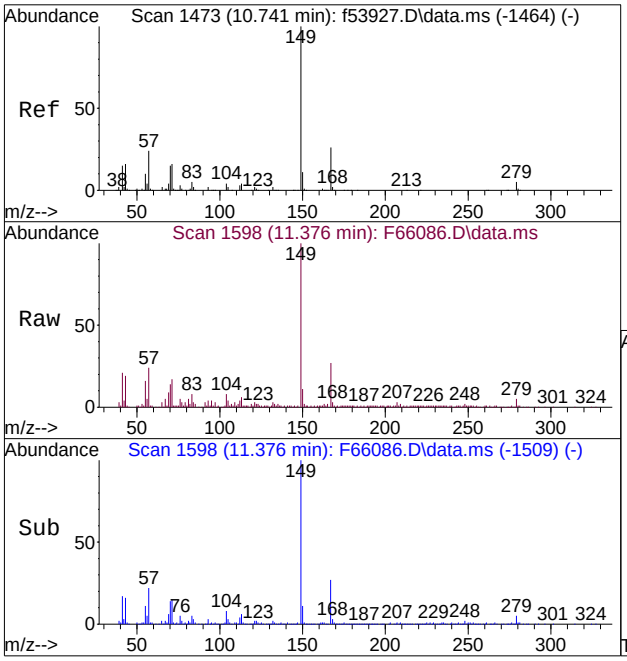


#84
Pyrene
Concen: 0.42 ppm
RT: 9.989 min Scan# 1362
Delta R.T. 0.001 min
Lab File: F66086.D
Acq: 9 Aug 2013 7:52 pm

Tgt Ion:202 Resp: 3792

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	43.1
100	10.1	0.0	40.6

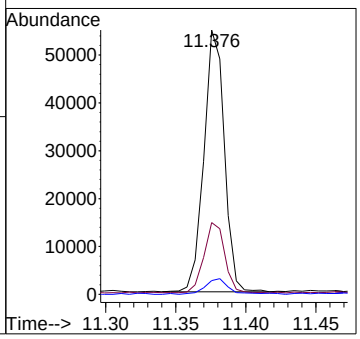




#91
bis(2-Ethylhexyl)phthalate
Concen: 12.01 ppm
RT: 11.376 min Scan# 1598
Delta R.T. 0.023 min
Lab File: F66086.D
Acq: 9 Aug 2013 7:52 pm

Tgt Ion:149 Resp: 55739

Ion	Ratio	Lower	Upper
149	100		
167	26.8	0.0	58.7
279	5.3	0.0	35.2



LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66086.D
Acq On : 9 Aug 2013 7:52 pm
Operator : KRISTINR
Sample : MC23273-23
Misc : OP34292,MSF3058,20.17,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

Signal : TIC: F66086.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.053	8	11	24	rVB6	8319	15439	1.29%	0.158%
2	2.159	24	29	37	rVB6	3715	8179	0.68%	0.084%
3	2.400	66	70	78	rVV	18716	21026	1.76%	0.215%
4	2.482	78	84	90	rVV3	41600	45633	3.81%	0.467%
5	2.611	100	106	112	rBV5	6591	7081	0.59%	0.072%
6	2.670	112	116	123	rVV4	10929	13204	1.10%	0.135%
7	2.776	129	134	138	rVB3	23849	25497	2.13%	0.261%
8	2.817	138	141	149	rBV	13580	17325	1.45%	0.177%
9	2.881	149	152	157	rVV2	6454	7257	0.61%	0.074%
10	2.934	157	161	165	rVV	10016	10271	0.86%	0.105%
11	2.987	165	170	178	rVV	214587	201452	16.83%	2.060%
12	3.052	178	181	185	rVV	7930	7048	0.59%	0.072%
13	3.093	185	188	194	rVB4	6433	8626	0.72%	0.088%
14	3.146	194	197	204	rVB3	7223	12023	1.00%	0.123%
15	3.216	204	209	212	rBV2	5986	9972	0.83%	0.102%
16	3.251	212	215	227	rBV	318851	287531	24.03%	2.941%
17	3.404	238	241	246	rVB2	12668	12505	1.04%	0.128%
18	3.492	252	256	259	rBV	13411	12203	1.02%	0.125%
19	3.522	259	261	268	rVB	65966	53574	4.48%	0.548%
20	3.610	274	276	280	rBV	9795	10376	0.87%	0.106%
21	3.751	296	300	307	rBV	75592	64984	5.43%	0.665%
22	3.827	307	313	318	rBV2	11514	16457	1.38%	0.168%
23	3.980	336	339	348	rBV	273128	312984	26.15%	3.201%
24	4.050	348	351	357	rVB	38505	31961	2.67%	0.327%
25	4.109	357	361	371	rBV	28411	26482	2.21%	0.271%
26	4.232	371	382	390	rBV	617700	488699	40.84%	4.998%
27	4.450	410	419	421	rBV5	3438	6175	0.52%	0.063%
28	4.485	421	425	427	rVV2	7879	8237	0.69%	0.084%
29	4.532	430	433	435	rVB2	8602	6295	0.53%	0.064%
30	4.573	437	440	443	rVB2	8673	6126	0.51%	0.063%
31	4.738	460	468	476	rBV	268498	274212	22.91%	2.804%
32	4.861	481	489	494	rVB7	4232	7612	0.64%	0.078%
33	4.943	500	503	513	rVB8	2743	5901	0.49%	0.060%
34	5.096	525	529	531	rVB	8788	8605	0.72%	0.088%
35	5.119	531	533	536	rBV3	7099	6073	0.51%	0.062%
36	5.149	536	538	542	rVB3	9721	9214	0.77%	0.094%
37	5.190	542	545	554	rVB5	8898	10752	0.90%	0.110%
38	5.360	569	574	585	rBV	782683	641739	53.63%	6.563%
39	5.660	618	625	629	rBV4	7388	14921	1.25%	0.153%
40	5.719	633	635	639	rVB	7405	7112	0.59%	0.073%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66086.D
Acq On : 9 Aug 2013 7:52 pm
Operator : KRISTINR
Sample : MC23273-23
Misc : OP34292,MSF3058,20.17,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

41	5.760	639	642	648	rVB2	8137	9102	0.76%	0.093%
42	5.918	664	669	676	rBV	37282	31601	2.64%	0.323%
43	6.012	682	685	689	rVB3	5458	7261	0.61%	0.074%
44	6.112	698	702	708	rVB5	5491	8406	0.70%	0.086%
45	6.189	708	715	721	rBV4	7810	15751	1.32%	0.161%
46	6.259	724	727	732	rVB3	7611	8290	0.69%	0.085%
47	6.371	742	746	754	rBV	804604	631175	52.74%	6.455%
48	6.447	754	759	765	rVB	42411	40053	3.35%	0.410%
49	6.500	765	768	781	rVB7	5516	14439	1.21%	0.148%
50	6.600	781	785	789	rBV2	5242	6692	0.56%	0.068%
51	6.711	796	804	806	rBV5	7098	14662	1.23%	0.150%
52	6.764	811	813	817	rBV2	7202	7756	0.65%	0.079%
53	6.805	817	820	822	rVB2	7731	6135	0.51%	0.063%
54	6.858	823	829	832	rVB	9286	9085	0.76%	0.093%
55	6.905	832	837	840	rBV5	7042	9011	0.75%	0.092%
56	6.940	840	843	847	rBV	38300	32108	2.68%	0.328%
57	6.999	847	853	864	rVV	779823	706510	59.04%	7.225%
58	7.181	877	884	889	rBV3	22604	37791	3.16%	0.386%
59	7.222	889	891	893	rVV2	6031	6309	0.53%	0.065%
60	7.246	893	895	900	rVV5	6652	8201	0.69%	0.084%
61	7.387	912	919	921	rBV6	3789	7168	0.60%	0.073%
62	7.416	921	924	929	rVB	31924	29398	2.46%	0.301%
63	7.634	958	961	969	rBV8	6277	13124	1.10%	0.134%
64	7.716	973	975	979	rBV5	5800	6096	0.51%	0.062%
65	7.775	979	985	1001	rBV	199423	233740	19.53%	2.390%
66	7.886	1001	1004	1009	rBV	28393	27474	2.30%	0.281%
67	8.104	1036	1041	1048	rBV	6251	17177	1.44%	0.176%
68	8.162	1048	1051	1053	rVV4	6629	7724	0.65%	0.079%
69	8.186	1053	1055	1059	rVV3	5767	6874	0.57%	0.070%
70	8.221	1059	1061	1067	rVV6	6237	8225	0.69%	0.084%
71	8.350	1076	1083	1089	rVV2	26411	32330	2.70%	0.331%
72	8.462	1097	1102	1108	rBV	842095	764107	63.85%	7.814%
73	8.550	1113	1117	1119	rVV4	4247	6751	0.56%	0.069%
74	8.579	1119	1122	1125	rVB4	7488	8104	0.68%	0.083%
75	8.726	1144	1147	1153	rBV7	3659	7398	0.62%	0.076%
76	8.809	1158	1161	1172	rVB	25542	28729	2.40%	0.294%
77	9.008	1191	1195	1198	rBV6	4408	7327	0.61%	0.075%
78	9.079	1204	1207	1214	rVV3	27569	41622	3.48%	0.426%
79	9.143	1215	1218	1222	rVB5	3773	5917	0.49%	0.061%
80	9.261	1234	1238	1248	rBV2	17975	25197	2.11%	0.258%
81	9.619	1295	1299	1302	rBV6	6568	10514	0.88%	0.108%
82	9.672	1306	1308	1316	rVB	16891	17961	1.50%	0.184%
83	9.743	1316	1320	1332	rBV2	18608	39325	3.29%	0.402%
84	9.848	1332	1338	1346	rBV2	6580	22692	1.90%	0.232%
85	9.919	1346	1350	1359	rBV10	19096	40265	3.36%	0.412%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66086.D
Acq On : 9 Aug 2013 7:52 pm
Operator : KRISTINR
Sample : MC23273-23
Misc : OP34292,MSF3058,20.17,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

86	9.983	1359	1361	1365	rVB	11989	12143	1.01%	0.124%
87	10.060	1369	1374	1376	rBV2	17202	19525	1.63%	0.200%
88	10.089	1377	1379	1386	rVV8	6743	9491	0.79%	0.097%
89	10.160	1386	1391	1417	rVV	802906	797767	66.66%	8.159%
90	10.330	1417	1420	1424	rBV6	11855	13416	1.12%	0.137%
91	10.418	1432	1435	1458	rBV9	12885	35702	2.98%	0.365%
92	10.788	1495	1498	1530	rBV9	15959	71591	5.98%	0.732%
93	11.152	1557	1560	1571	rBV4	22748	29082	2.43%	0.297%
94	11.258	1573	1578	1594	rVV	902091	932607	77.93%	9.538%
95	11.376	1594	1598	1617	rBV	179078	226761	18.95%	2.319%
96	11.869	1679	1682	1691	rBV5	29541	41042	3.43%	0.420%
97	12.786	1832	1838	1877	rBV	943384	1196705	100.00%	12.238%
98	13.038	1877	1881	1890	rBV3	50921	136850	11.44%	1.400%
99	13.332	1927	1931	1978	rBV5	93287	297593	24.87%	3.043%
100	13.626	1979	1981	2042	rVB7	68836	191601	16.01%	1.959%

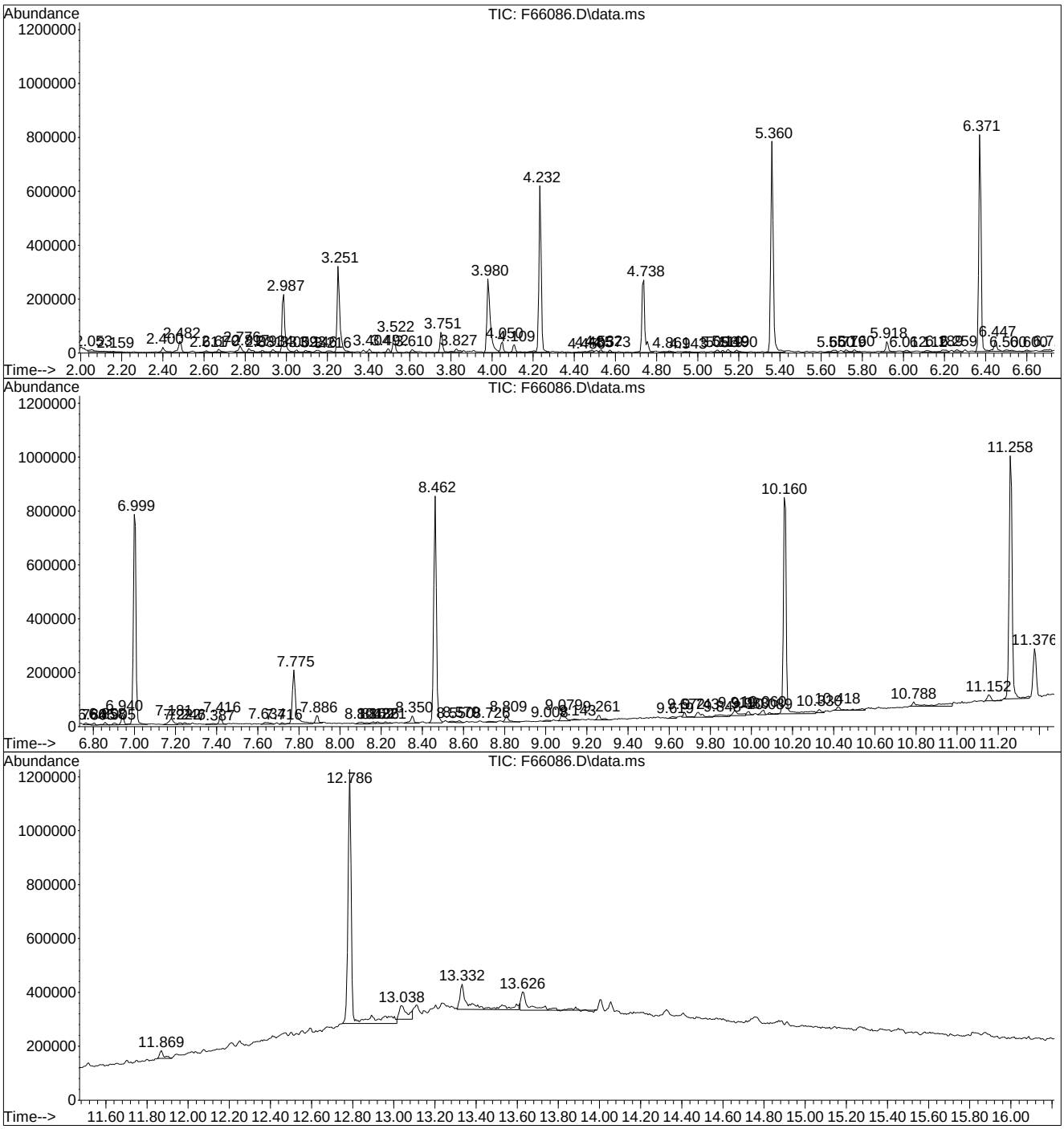
Sum of corrected areas: 9778216

LSC Report - Integrated Chromatogram

```
Data Path : F:\1\DATA\F130809\
Data File : F66086.D
Acq On    :  9 Aug 2013   7:52 pm
Operator  : KRISTINR
Sample    : MC23273-23
Misc      : OP34292,MSF3058,20.17,,,1,1
ALS Vial  : 18   Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title  : SW-864 Method 8270

TIC Library   : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P
```



Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66086.D
Acq On : 9 Aug 2013 7:52 pm
Operator : KRISTINR
Sample : MC23273-23
Misc : OP34292,MSF3058,20.17,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

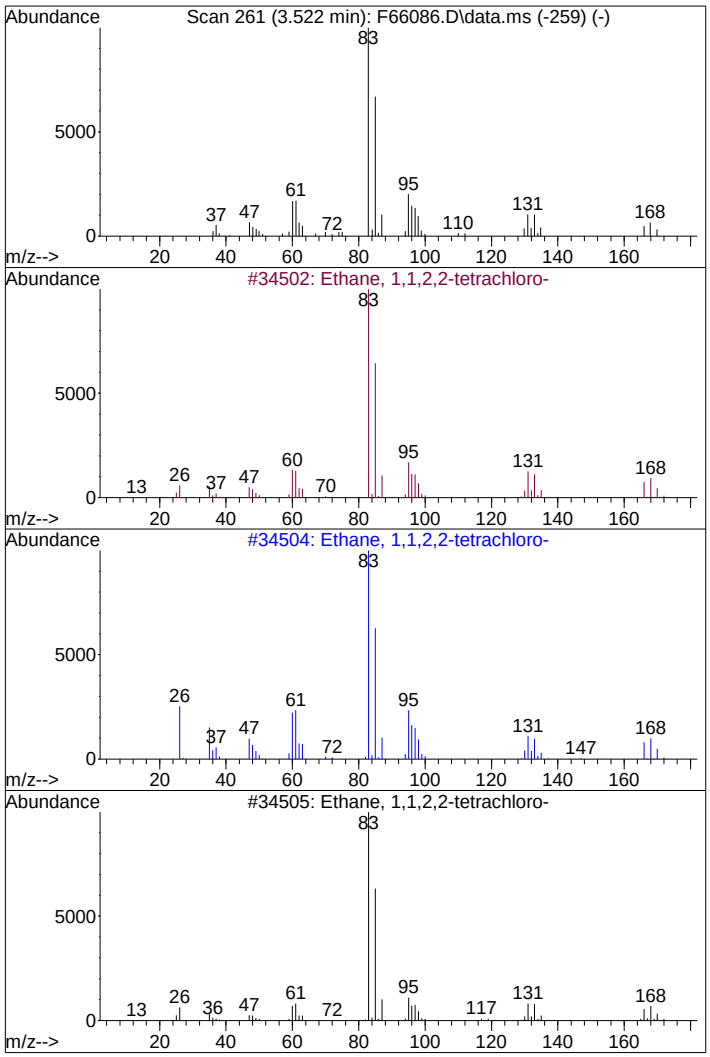
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

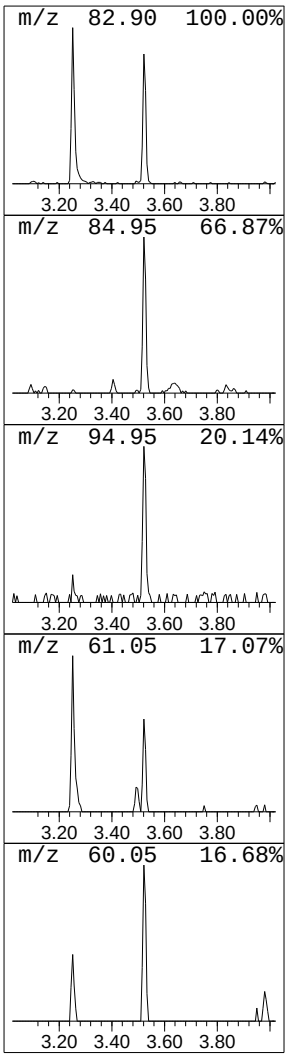
****

Peak Number 2 Ethane, 1,1,2,2-tetrachloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.522	4.39 ppm	53574	1,4-Dichlorobenzene-d4A	4.232

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	95
2	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	95
3	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	90
4	Ethane, 1,1,2-trichloro-2-fluoro-	150	C2H2Cl3F	000359-28-4	53
5	Ethane, 1,2,2-trichloro-1,1-difl...	168	C2HCl3F2	000354-21-2	50





Tentatively Identified Compound (LSC) summary

Data Path : F:\1\DATA\F130809\
Data File : F66086.D
Acq On : 9 Aug 2013 7:52 pm
Operator : KRISTINR
Sample : MC23273-23
Misc : OP34292,MSF3058,20.17,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ethane, 1,1,2,2...	3.522	4.4	ppm	53574	1	4.232	488699	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 08/12/13 12:46

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 09 17:10:53 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

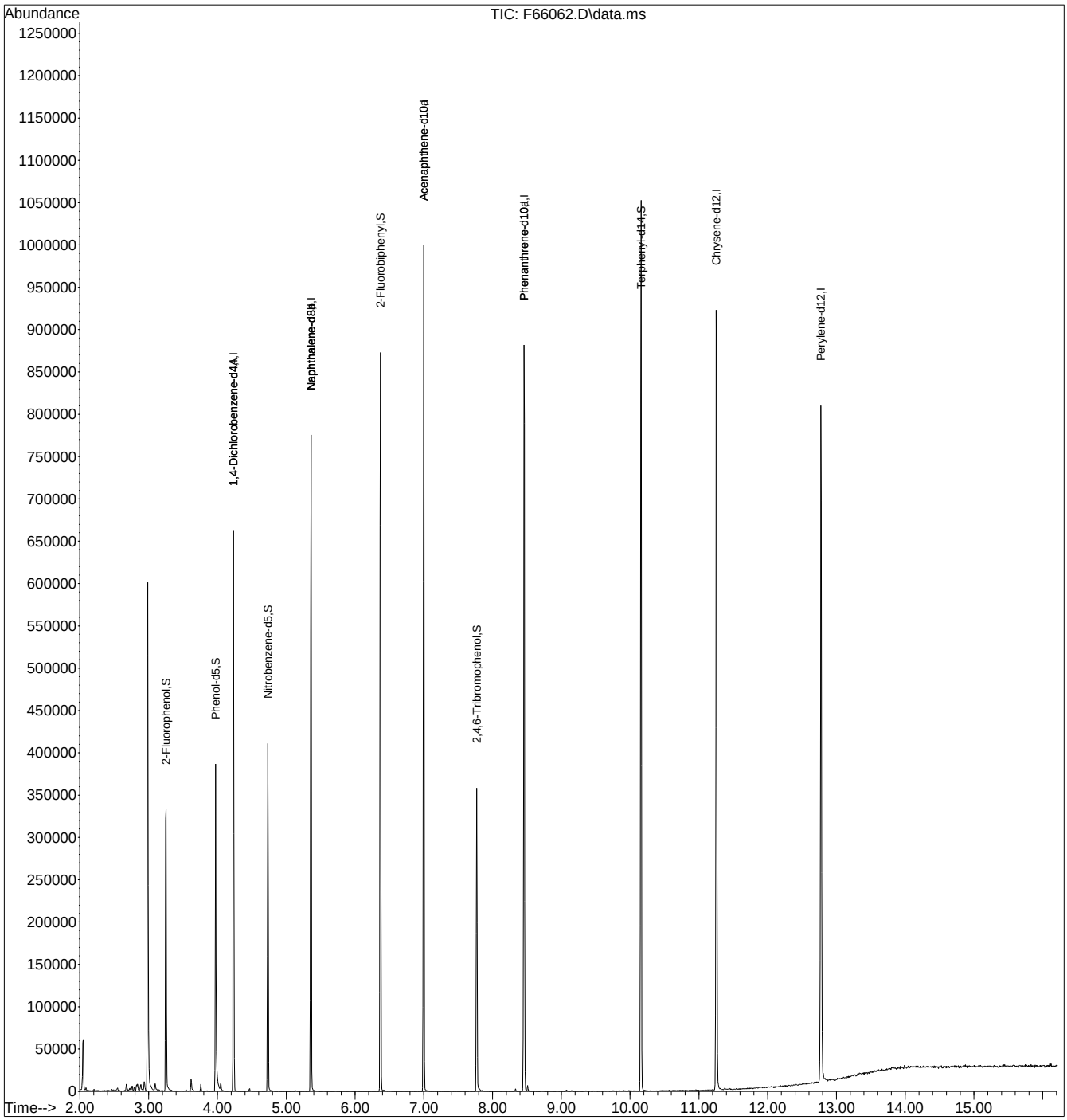
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.233	152	73053	40.00	ppm	-0.03
21) 1,4-Dichlorobenzene-d4A	4.233	152	73053	40.00	PPM	-0.03
23) Naphthalene-d8	5.361	136	275322	40.00	ppm	-0.03
41) Naphthalene-d8a	5.361	136	275322	40.00	ppm	-0.03
43) Acenaphthene-d10	7.000	164	175770	40.00	ppm	-0.03
65) Acenaphthene-d10a	7.000	164	175770	40.00	ppm	-0.03
67) Phenanthrene-d10	8.457	188	315300m	40.00	ppm	-0.04
80) Phenanthrene-d10a	8.457	188	315601	40.00	ppm	-0.04
82) Chrysene-d12	11.253	240	339931	40.00	ppm	-0.04
92) Perylene-d12	12.774	264	311151	40.00	ppm	-0.04
100) Naphthalene-d8b	5.361	136	275322	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.252	112	78373	36.80	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.80%			
7) Phenol-d5	3.974	99	104432	38.53	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 38.53%			
24) Nitrobenzene-d5	4.732	82	104132	40.44	ppm	-0.05
Spiked Amount 50.000	Range 30 - 130		Recovery = 80.88%			
48) 2-Fluorobiphenyl	6.371	172	230775	39.01	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 78.02%			
71) 2,4,6-Tribromophenol	7.769	330	34750	34.38	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 34.38%			
85) Terphenyl-d14	10.160	244	313031	43.36	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 86.72%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 09 17:10:53 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



F130701_8270+.m Fri Aug 09 17:10:59 2013 Page: 2

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

Signal : TIC: F66062.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.048	4	10	15	rVV	59950	58338	6.38%	0.718%
2	2.089	15	17	27	rVB2	3693	3900	0.43%	0.048%
3	2.206	30	37	42	rVB3	2128	2308	0.25%	0.028%
4	2.259	44	46	53	rVB	971	1479	0.16%	0.018%
5	2.330	53	58	61	rBV2	810	1279	0.14%	0.016%
6	2.394	67	69	78	rBV2	1007	2370	0.26%	0.029%
7	2.465	78	81	83	rVV2	1967	1861	0.20%	0.023%
8	2.488	83	85	88	rVB2	1518	1273	0.14%	0.016%
9	2.547	88	95	99	rBV	3724	4684	0.51%	0.058%
10	2.676	110	117	121	rBV4	8499	10394	1.14%	0.128%
11	2.723	121	125	128	rVV3	3680	5239	0.57%	0.064%
12	2.758	128	131	134	rVV	6459	6578	0.72%	0.081%
13	2.788	134	136	139	rVV	4576	4064	0.44%	0.050%
14	2.835	139	144	149	rVV2	8465	15277	1.67%	0.188%
15	2.888	149	153	157	rVV	7845	11311	1.24%	0.139%
16	2.935	157	161	166	rVV	11400	13137	1.44%	0.162%
17	2.987	166	170	185	rVV	601141	562246	61.45%	6.915%
18	3.093	185	188	195	rVV2	9216	12081	1.32%	0.149%
19	3.146	195	197	201	rVV2	2098	2493	0.27%	0.031%
20	3.199	201	206	210	rVV	990	2080	0.23%	0.026%
21	3.252	210	215	235	rVB	333650	306842	33.54%	3.774%
22	3.546	261	265	269	rVB	1627	1506	0.16%	0.019%
23	3.616	269	277	294	rVB3	13967	15216	1.66%	0.187%
24	3.757	298	301	310	rBV	8532	7359	0.80%	0.091%
25	3.974	334	338	348	rBV	386625	326303	35.66%	4.013%
26	4.045	348	350	360	rVB	8871	10494	1.15%	0.129%
27	4.162	367	370	375	rBV	725	1081	0.12%	0.013%
28	4.233	375	382	388	rVV	662828	484316	52.93%	5.957%
29	4.468	417	422	431	rBV2	3115	3371	0.37%	0.041%
30	4.732	463	467	481	rBV	411016	306505	33.50%	3.770%
31	5.126	530	534	541	rBB2	1084	1480	0.16%	0.018%
32	5.361	569	574	596	rBB	775618	606143	66.25%	7.455%
33	6.371	741	746	751	rBV	873077	686496	75.03%	8.443%
34	6.424	753	755	763	rVB	1347	2001	0.22%	0.025%
35	7.000	848	853	860	rBV	999498	749422	81.91%	9.217%
36	7.047	860	861	867	rVB	854	1181	0.13%	0.015%
37	7.769	979	984	997	rBV	358410	298389	32.61%	3.670%
38	8.333	1074	1080	1084	rBV	3087	2456	0.27%	0.030%
39	8.457	1096	1101	1107	rBV	881873	827920	90.49%	10.183%
40	8.509	1107	1110	1115	rVB	7106	6108	0.67%	0.075%

LSC Area Percent Report

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : W:\1\methods\F130701_8270+.m
Title : SW-864 Method 8270

41	9.073	1200	1206	1211	rBV	1718	1989	0.22%	0.024%
42	9.144	1215	1218	1224	rVB2	967	1515	0.17%	0.019%
43	9.673	1304	1308	1313	rVB2	742	1274	0.14%	0.016%
44	10.160	1385	1391	1399	rBV	1052599	890380	97.31%	10.951%
45	10.565	1459	1460	1465	rVB	956	1158	0.13%	0.014%
46	10.636	1465	1472	1475	rBV2	990	1888	0.21%	0.023%
47	10.959	1523	1527	1530	rVB2	956	1244	0.14%	0.015%
48	11.147	1558	1559	1565	rBV2	754	1169	0.13%	0.014%
49	11.253	1569	1577	1594	rBV	921719	914956	100.00%	11.253%
50	11.376	1594	1598	1602	rBV	2504	3495	0.38%	0.043%
51	11.453	1608	1611	1618	rVB5	1360	1753	0.19%	0.022%
52	11.546	1624	1627	1632	rBV3	1278	1367	0.15%	0.017%
53	11.711	1651	1655	1657	rBV3	1437	1364	0.15%	0.017%
54	11.811	1668	1672	1674	rBV3	1165	2122	0.23%	0.026%
55	11.846	1674	1678	1680	rVV2	956	1294	0.14%	0.016%
56	11.870	1680	1682	1685	rBV3	1261	1531	0.17%	0.019%
57	11.934	1691	1693	1696	rBV4	1130	1261	0.14%	0.016%
58	11.975	1696	1700	1704	rBV5	1431	2155	0.24%	0.027%
59	12.011	1704	1706	1709	rBV4	1193	1564	0.17%	0.019%
60	12.052	1711	1713	1719	rVB5	2054	3702	0.40%	0.046%
61	12.093	1719	1720	1722	rBV2	2024	1081	0.12%	0.013%
62	12.110	1722	1723	1726	rBV2	1790	1727	0.19%	0.021%
63	12.187	1733	1736	1738	rBV4	1839	1818	0.20%	0.022%
64	12.246	1742	1746	1748	rVB4	1908	2719	0.30%	0.033%
65	12.263	1748	1749	1751	rBV2	2095	1405	0.15%	0.017%
66	12.304	1753	1756	1761	rBV6	1836	3613	0.39%	0.044%
67	12.345	1761	1763	1766	rBV3	1696	1540	0.17%	0.019%
68	12.375	1766	1768	1772	rVV5	1109	1454	0.16%	0.018%
69	12.410	1773	1774	1779	rVB5	1141	1384	0.15%	0.017%
70	12.451	1779	1781	1783	rBV3	1372	1077	0.12%	0.013%
71	12.704	1818	1824	1825	rBV5	2133	3836	0.42%	0.047%
72	12.774	1830	1836	1855	rBV	800372	893041	97.60%	10.984%
73	13.015	1875	1877	1885	rBV7	2247	4570	0.50%	0.056%
74	13.990	2041	2043	2056	rBV7	3951	7134	0.78%	0.088%

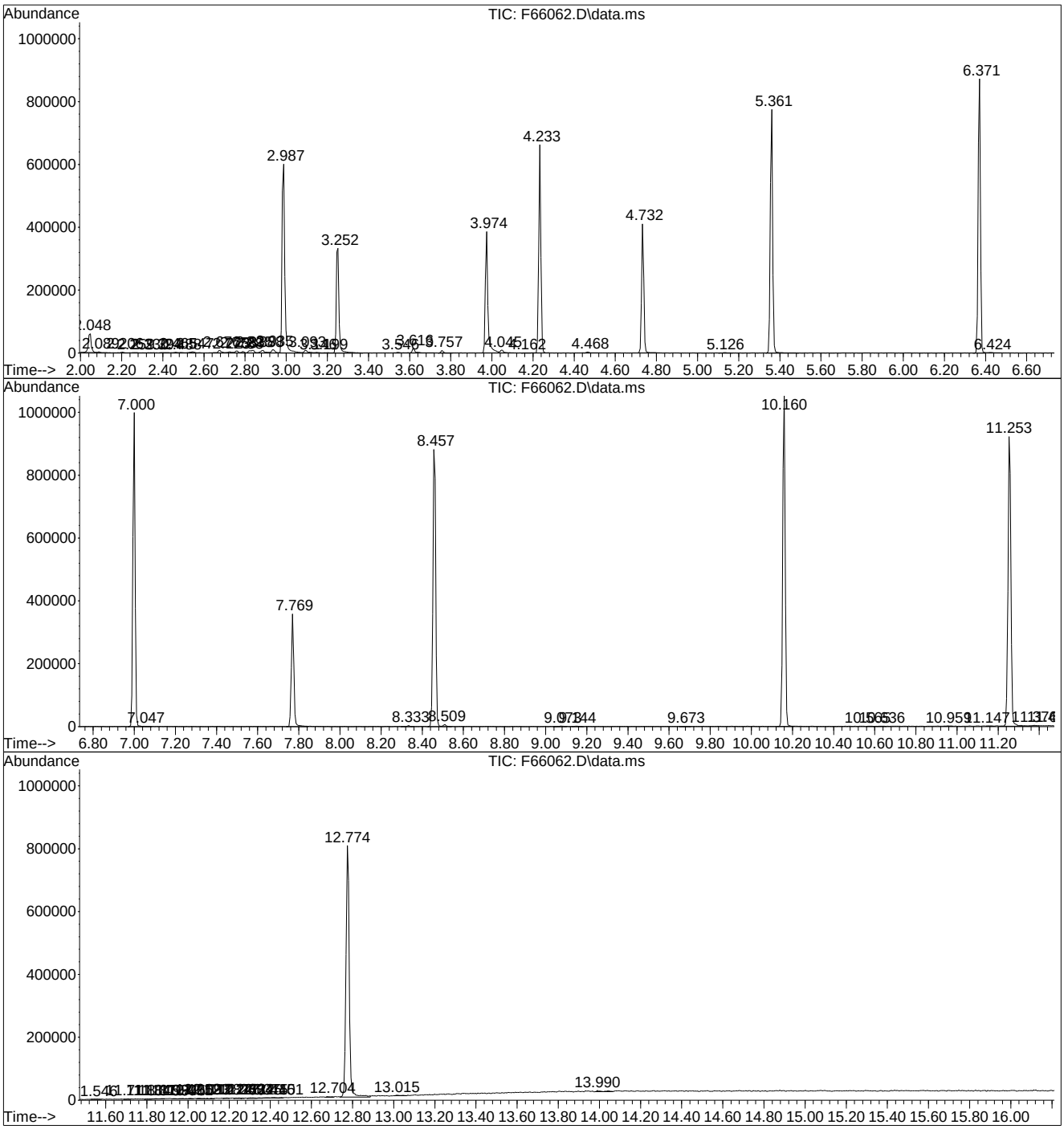
Sum of corrected areas: 8130561

LSC Report - Integrated Chromatogram

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

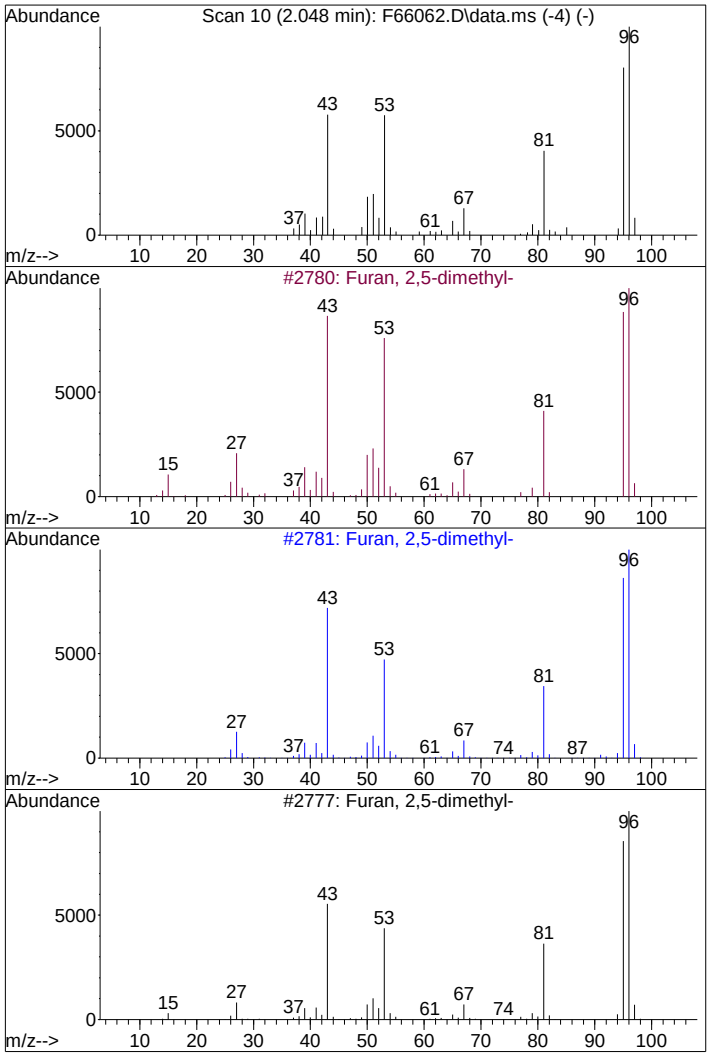
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

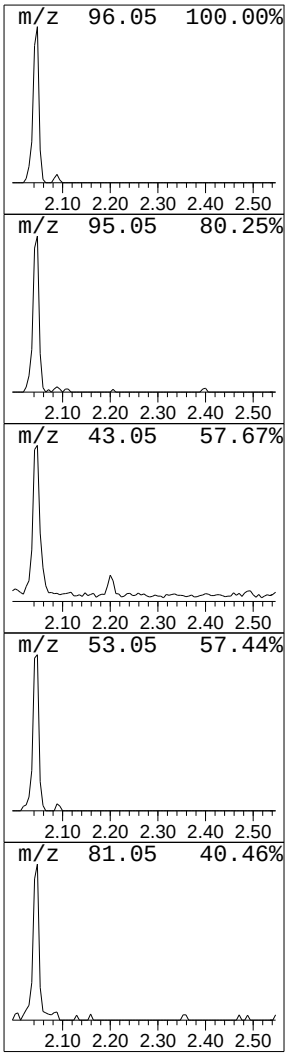
****

Peak Number 1 Furan, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.048	4.82 ppm	58338	1,4-Dichlorobenzene-d4A	4.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	91
2	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	91
3	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	90
4	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	72
5	Ethanone, 1-(methylenecyclopropyl)-	96	C6H8O	062266-35-7	45





Tentatively Identified Compound (LSC) summary

Data Path : F:\1\DATA\F130809\
Data File : F66062.D
Acq On : 9 Aug 2013 10:20 am
Operator : KRISTINR
Sample : OP34292-MB
Misc : OP34292,MSF3058,20.01,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Furan, 2,5-dime...	2.048	4.8	ppm	58338	1	4.233	484316	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/12/13 12:46

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66063.D
Acq On : 9 Aug 2013 10:44 am
Operator : KRISTINR
Sample : OP34292-BS
Misc : OP34292,MSF3058,20.93,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 17:12:15 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.232	152	75478	40.00	ppm	-0.03
21) 1,4-Dichlorobenzene-d4A	4.232	152	75478	40.00	PPM	-0.03
23) Naphthalene-d8	5.359	136	281250	40.00	ppm	-0.03
41) Naphthalene-d8a	5.359	136	281250	40.00	ppm	-0.03
43) Acenaphthene-d10	6.998	164	180285	40.00	ppm	-0.03
65) Acenaphthene-d10a	6.998	164	180285	40.00	ppm	-0.03
67) Phenanthrene-d10	8.461	188	328279m	40.00	ppm	-0.03
80) Phenanthrene-d10a	8.461	188	328651	40.00	ppm	-0.03
82) Chrysene-d12	11.257	240	355784	40.00	ppm	-0.04
92) Perylene-d12	12.779	264	317054	40.00	ppm	-0.04
100) Naphthalene-d8b	5.359	136	281250	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.251	112	83837	38.10	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 38.10%			
7) Phenol-d5	3.973	99	112368	40.12	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 40.12%			
24) Nitrobenzene-d5	4.737	82	110319	41.94	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 83.88%			
48) 2-Fluorobiphenyl	6.370	172	246326	40.60	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 81.20%			
71) 2,4,6-Tribromophenol	7.774	330	41003	38.97	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 38.97%			
85) Terphenyl-d14	10.159	244	343320	45.44	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 90.88%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.281	74	48400	32.97	ug/l #	76
3) Pyridine	2.287	79	68850	26.10	ppm	94
4) Aniline	3.991	93	122769	36.82	ppm #	1
6) bis(2-Chloroethyl)ether	4.032	63	62084	40.68	ppm	85
8) Phenol	3.985	94	134409	47.42	ppm	73
9) 2-Chlorophenol	4.091	128	92067	39.21	ppm	94
10) 1,3-Dichlorobenzene	4.202	146	96574	35.25	ppm	98
11) 1,4-Dichlorobenzene	4.249	146	101484	34.75	ppm	98
12) 1,2-Dichlorobenzene	4.408	146	96552	36.76	ppm	97
13) Benzyl alcohol	4.367	108	20589	13.53	ppm #	78
14) bis(2-chloroisopropyl)...	4.496	45	91765	48.48	ppm	70
15) o-cresol	4.490	108	101796	49.35	ppm	84
16) Acetophenone	4.602	105	295612	87.10	ppm	97
17) Hexachloroethane	4.672	117	39806	38.90	ppm	94
18) N-Nitroso-di-n-propyla...	4.619	70	77325	45.74	ppm	91
19) m+p-cresols	4.613	108	216807	95.57	ppm	91
20) 4-methylphenol	4.613	108	216807	95.57	ppm	91
22) Benzaldehyde	3.879	77	60490	32.87	ppm	91
25) Nitrobenzene	4.748	77	107405	40.46	ppm	85
26) Isophorone	4.954	82	183489	41.71	ppm	100
27) 2-Nitrophenol	5.036	139	52232	39.02	ppm	83
28) 2,4-Dimethylphenol	5.077	107	113580	45.25	ppm	91
29) bis(2-Chloroethoxy)met...	5.154	93	147446	56.40	ppm	99
30) Benzoic acid	5.136	105	6607	3.50	ppm #	56
31) 2,4-Dichlorophenol	5.254	162	93906	42.83	ppm	97
32) 1,2,4-Trichlorobenzene	5.324	180	96445	38.31	ppm	99
33) Naphthalene	5.377	128	275209	39.56	ppm	96
34) 2,6-Dichlorophenol	5.459	162	90467	41.40	ppm	98
35) 4-Chloroaniline	5.448	127	112179	37.37	ppm	100
36) Hexachlorobutadiene	5.542	225	65358	39.68	ppm	97

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66063.D
Acq On : 9 Aug 2013 10:44 am
Operator : KRISTINR
Sample : OP34292-BS
Misc : OP34292,MSF3058,20.93,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 17:12:15 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

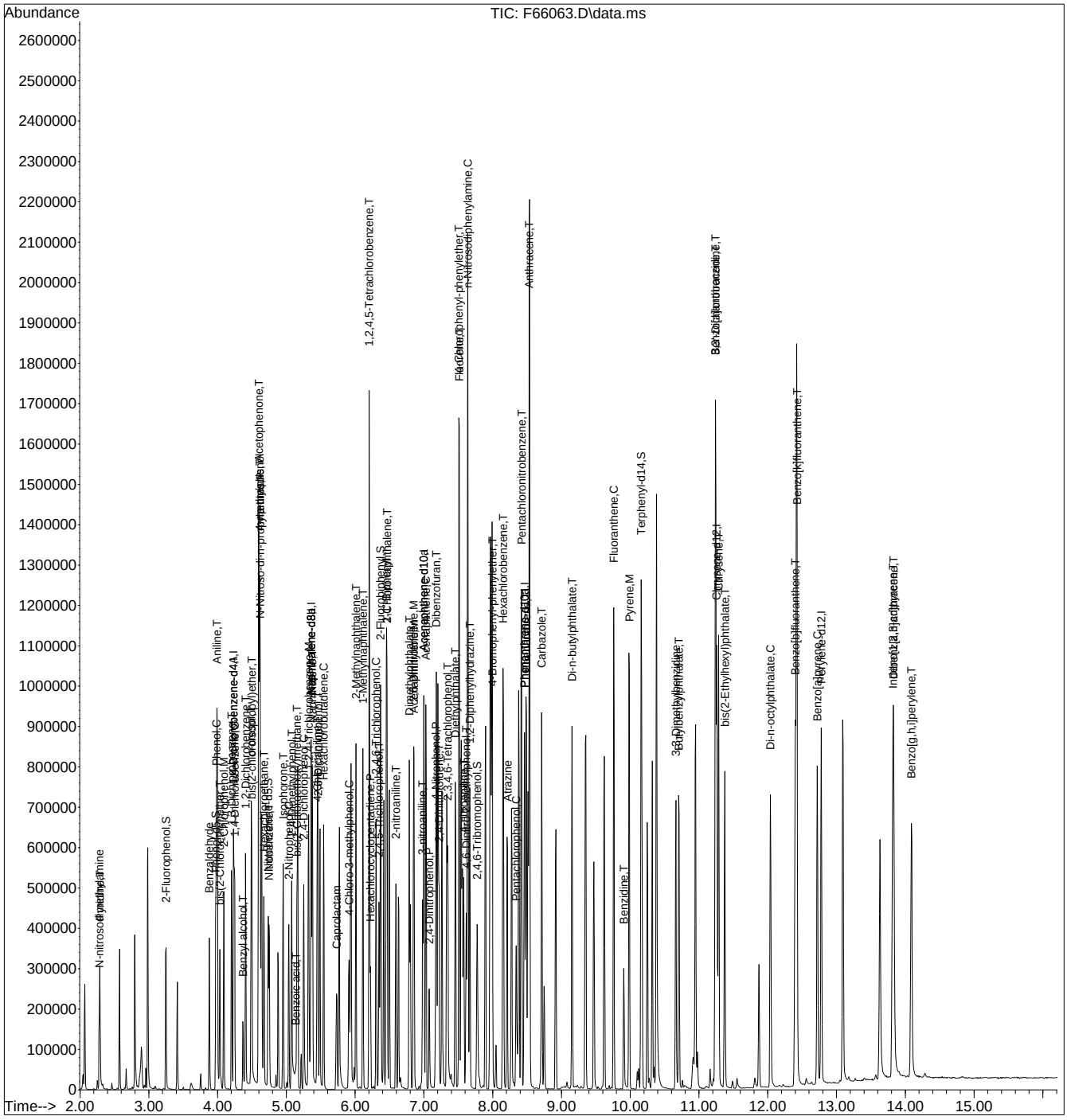
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Chloro-3-methylphenol	5.912	107	103460	47.84	ppm		92
38) 2-Methylnaphthalene	6.011	142	182609	37.94	ppm		98
39) 1-Methylnaphthalene	6.111	142	179782	38.51	ppm		99
40) 1,2,4,5-Tetrachloroben...	6.205	216	257166	87.77	ppm		99
42) Caprolactam	5.730	55	39161	45.62	ppm		93
44) Pentachloronitrobenzene	8.420	237	87409	108.50	ppm		98
45) Hexachlorocyclopentadiene	6.223	237	37556	19.49	ppm		97
46) 2,4,6-Trichlorophenol	6.305	196	75990	40.66	ppm		99
47) 2,4,5-Trichlorophenol	6.346	196	90271	45.44	ppm		98
49) 2-Chloronaphthalene	6.464	162	224267	45.82	ppm		93
50) Acenaphthylene	6.857	152	253217	32.61	ppm		99
51) Dimethylphthalate	6.787	163	244804	42.62	ppm		100
52) 2,4-Dinitrotoluene	7.222	165	78550	47.47	ppm		90
53) Acenaphthene	7.028	153	205351	41.80	ppm		98
54) 2,4-Dinitrophenol	7.081	184	33583	36.43	ppm		87
55) Dibenzofuran	7.181	168	295651	40.13	ppm		86
56) 2,6-Dinitrotoluene	6.852	165	55436	42.83	ppm		90
57) 4-Nitrophenol	7.175	65	58532m	55.25	ppm		
58) 2,3,4,6-Tetrachlorophenol	7.345	232	75356	42.87	ppm		98
59) Fluorene	7.515	166	254055	44.56	ppm		99
60) 4-Chlorophenyl-phenyle...	7.509	204	140218	44.38	ppm		91
61) Diethylphthalate	7.457	149	252507	44.77	ppm		97
62) 2-nitroaniline	6.593	138	67860	43.27	ppm		82
63) 3-nitroaniline	6.981	138	56066	41.93	ppm	#	74
64) 4-nitroaniline	7.580	138	56672	42.18	ppm		82
66) 1,1'-Biphenyl	6.452	154	240804	38.61	ppm		100
68) 4,6-Dinitro-2-methylph...	7.615	198	56846	46.73	ppm		100
69) n-Nitrosodiphenylamine	7.639	169	432741	104.71	ppm		96
70) 1,2-Diphenylhydrazine	7.668	77	240008	45.68	ppm		94
72) 4-Bromophenyl-phenylether	7.997	248	87704	43.64	ppm		93
73) Hexachlorobenzene	8.150	284	87293	41.96	ppm		94
74) Pentachlorophenol	8.344	266	57219	38.43	ppm		99
75) Phenanthrene	8.490	178	380058m	44.77	ppm		
76) Anthracene	8.532	178	393143	44.60	ppm		99
77) Carbazole	8.714	167	349537	45.40	ppm		98
78) Di-n-butylphthalate	9.154	149	418968	46.42	ppm		99
79) Fluoranthene	9.759	202	451228	51.13	ppm		100
81) Atrazine	8.214	200	79763	45.13	ppm		100
83) Benzidine	9.906	184	115206	32.97	ppm		97
84) Pyrene	9.988	202	445560	45.64	ppm		95
86) 3,3-Dimethylbenzidine	10.664	212	150447	29.59	ppm		100
87) Butylbenzylphthalate	10.705	149	171202	47.08	ppm		91
88) 3,3'-Dichlorobenzidine	11.240	252	156408	42.39	ppm		98
89) Benzo[a]anthracene	11.240	228	433777	47.39	ppm		98
90) Chrysene	11.287	228	397021	44.35	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.375	149	237510	47.72	ppm		99
93) Di-n-octylphthalate	12.039	149	401301	52.54	ppm		99
94) Benzo[b]fluoranthene	12.403	252	470441	54.65	ppm		97
95) Benzo[k]fluoranthene	12.426	252	385770	42.03	ppm		96
96) Benzo[a]pyrene	12.720	252	339262	42.49	ppm		95
97) Indeno[1,2,3-cd]pyrene	13.819	276	447989	45.00	ppm		82
98) Dibenz[a,h]anthracene	13.830	278	352904	45.93	ppm		98
99) Benzo[g,h,i]perylene	14.089	276	367710	43.50	ppm		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66063.D
Acq On : 9 Aug 2013 10:44 am
Operator : KRISTINR
Sample : OP34292-BS
Misc : OP34292,MSF3058,20.93,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 17:12:15 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/12/13 12:46

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66064.D
Acq On : 9 Aug 2013 11:08 am
Operator : KRISTINR
Sample : OP34292-MS
Misc : OP34292,MSF3058,20.35,,,1,5
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 09 17:18:14 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.235	152	76846	40.00	ppm	-0.03
21) 1,4-Dichlorobenzene-d4A	4.235	152	76846	40.00	PPM	-0.03
23) Naphthalene-d8	5.362	136	280177	40.00	ppm	-0.03
41) Naphthalene-d8a	5.362	136	280177	40.00	ppm	-0.03
43) Acenaphthene-d10	7.001	164	175869	40.00	ppm	-0.03
65) Acenaphthene-d10a	7.001	164	175869	40.00	ppm	-0.03
67) Phenanthrene-d10	8.458	188	319428m	40.00	ppm	-0.04
80) Phenanthrene-d10a	8.458	188	319147	40.00	ppm	-0.04
82) Chrysene-d12	11.260	240	352388	40.00	ppm	-0.04
92) Perylene-d12	12.782	264	333281	40.00	ppm	-0.04
100) Naphthalene-d8b	5.362	136	280177	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.248	112	13652	6.09	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.09%#			
7) Phenol-d5	3.970	99	19485	6.83	ppm	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.83%#			
24) Nitrobenzene-d5	4.734	82	19808	7.56	ppm	-0.05
Spiked Amount 50.000	Range 30 - 130		Recovery = 15.12%#			
48) 2-Fluorobiphenyl	6.367	172	42983	7.26	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 14.52%#			
71) 2,4,6-Tribromophenol	7.771	330	6007	5.87	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 5.87%#			
85) Terphenyl-d14	10.156	244	58338	7.80	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 15.60%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.272	74	7571	5.07	ug/l #	75
3) Pyridine	2.290	79	10649	3.97	ppm	92
4) Aniline	3.994	93	16237	4.78	ppm #	1
6) bis(2-Chloroethyl)ether	4.029	63	10621	6.84	ppm	79
8) Phenol	3.982	94	23066	7.99	ppm	86
9) 2-Chlorophenol	4.088	128	16232	6.79	ppm	92
10) 1,3-Dichlorobenzene	4.205	146	16008	5.74	ppm	99
11) 1,4-Dichlorobenzene	4.246	146	16888	5.68	ppm	95
12) 1,2-Dichlorobenzene	4.411	146	16200	6.06	ppm	98
14) bis(2-chloroisopropyl)...	4.499	45	15976	8.29	ppm	96
15) o-cresol	4.481	108	18515	8.82	ppm	83
16) Acetophenone	4.593	105	50642	14.65	ppm	95
17) Hexachloroethane	4.675	117	6724	6.45	ppm	80
18) N-Nitroso-di-n-propyla...	4.610	70	13408	7.79	ppm	82
19) m+p-cresols	4.610	108	38584	16.70	ppm	93
20) 4-methylphenol	4.610	108	38584	16.70	ppm	93
22) Benzaldehyde	3.882	77	13441	7.17	ppm	96
25) Nitrobenzene	4.751	77	19592	7.41	ppm	90
26) Isophorone	4.951	82	31240	7.13	ppm	95
27) 2-Nitrophenol	5.033	139	8840	6.63	ppm	80
28) 2,4-Dimethylphenol	5.075	107	20165	8.07	ppm	93
29) bis(2-Chloroethoxy)met...	5.151	93	25102	9.64	ppm	98
31) 2,4-Dichlorophenol	5.251	162	16694	7.64	ppm	93
32) 1,2,4-Trichlorobenzene	5.321	180	16788	6.69	ppm	99
33) Naphthalene	5.380	128	122401	17.66	ppm	97
34) 2,6-Dichlorophenol	5.456	162	15316	7.04	ppm	96
35) 4-Chloroaniline	5.451	127	17421	5.83	ppm	100
36) Hexachlorobutadiene	5.545	225	11250	6.86	ppm	95
37) 4-Chloro-3-methylphenol	5.909	107	18867	8.76	ppm	91
38) 2-Methylnaphthalene	6.009	142	43496	9.07	ppm	99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66064.D
Acq On : 9 Aug 2013 11:08 am
Operator : KRISTINR
Sample : OP34292-MS
Misc : OP34292,MSF3058,20.35,,,1,5
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 09 17:18:14 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

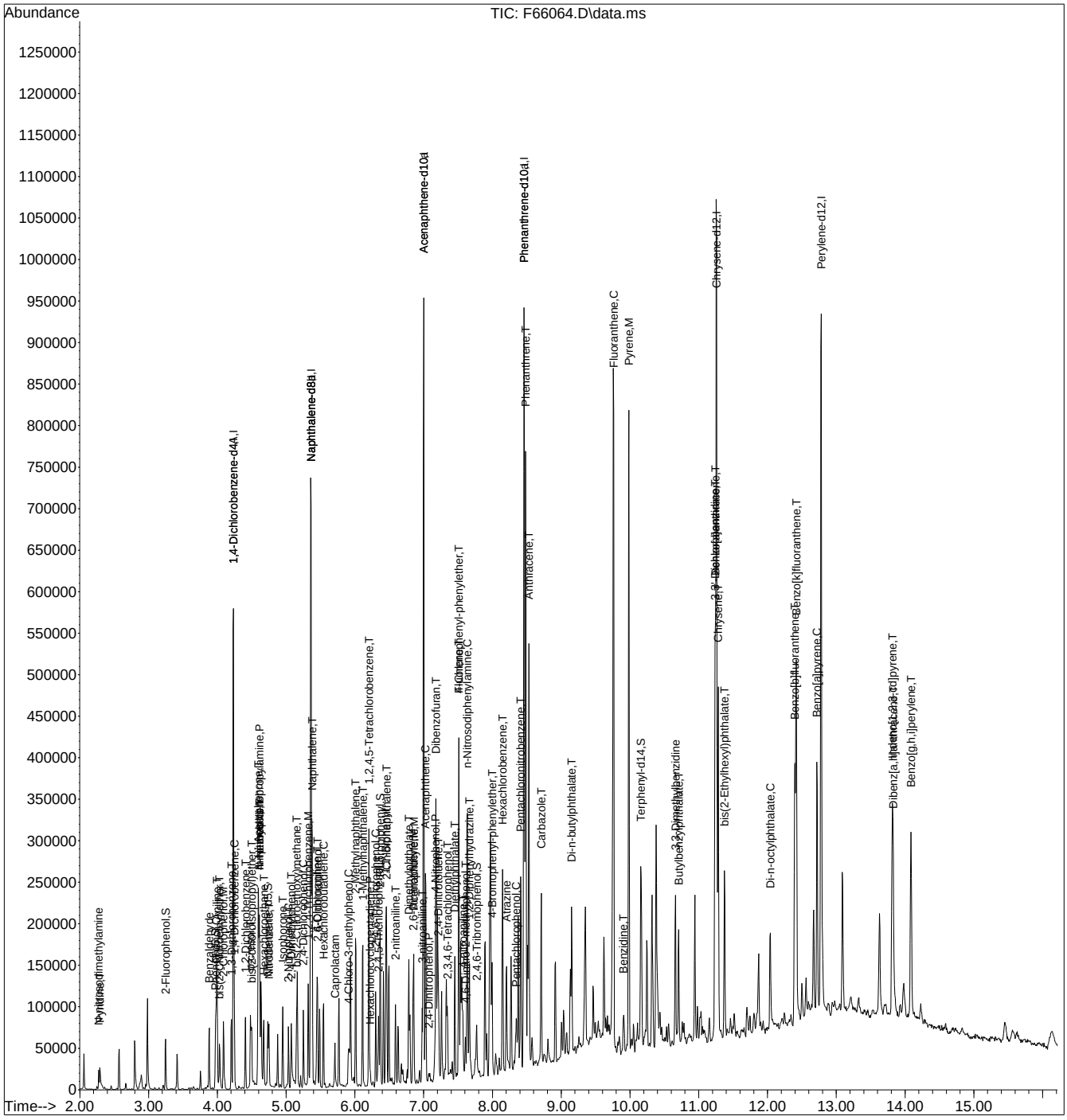
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 1-Methylnaphthalene	6.114	142	38264	8.23	ppm		96
40) 1,2,4,5-Tetrachloroben...	6.202	216	45585	15.62	ppm		98
42) Caprolactam	5.709	55	6455m	7.55	ppm		
44) Pentachloronitrobenzene	8.411	237	14367	18.28	ppm		96
45) Hexachlorocyclopentadiene	6.220	237	2216	1.18	ppm		95
46) 2,4,6-Trichlorophenol	6.302	196	12580	6.90	ppm		99
47) 2,4,5-Trichlorophenol	6.343	196	15159	7.82	ppm		97
49) 2-Chloronaphthalene	6.461	162	38570	8.08	ppm		93
50) Acenaphthylene	6.854	152	47618	6.29	ppm		98
51) Dimethylphthalate	6.784	163	41114	7.34	ppm		98
52) 2,4-Dinitrotoluene	7.213	165	13304	8.24	ppm		85
53) Acenaphthene	7.025	153	55099	11.50	ppm		98
54) 2,4-Dinitrophenol	7.072	184	1017	1.13	ppm	#	47
55) Dibenzofuran	7.178	168	73829	10.27	ppm		92
56) 2,6-Dinitrotoluene	6.849	165	9068	7.18	ppm		88
57) 4-Nitrophenol	7.172	65	10127	9.80	ppm	#	1
58) 2,3,4,6-Tetrachlorophenol	7.348	232	11020	6.43	ppm		96
59) Fluorene	7.512	166	66392	11.94	ppm		96
60) 4-Chlorophenyl-phenyle...	7.512	204	23625	7.66	ppm		95
61) Diethylphthalate	7.454	149	43504	7.91	ppm		97
62) 2-nitroaniline	6.590	138	10947	7.16	ppm		77
63) 3-nitroaniline	6.978	138	9155	7.02	ppm	#	75
64) 4-nitroaniline	7.571	138	9393	7.17	ppm		74
66) 1,1'-Biphenyl	6.449	154	44533	7.32	ppm		99
68) 4,6-Dinitro-2-methylph...	7.612	198	4254m	3.59	ppm		
69) n-Nitrosodiphenylamine	7.636	169	73739	18.34	ppm		95
70) 1,2-Diphenylhydrazine	7.665	77	42486	8.31	ppm		95
72) 4-Bromophenyl-phenylether	7.994	248	14334	7.33	ppm		99
73) Hexachlorobenzene	8.147	284	14205	7.02	ppm		97
74) Pentachlorophenol	8.341	266	5059	3.49	ppm		91
75) Phenanthrene	8.482	178	260402m	31.52	ppm		
76) Anthracene	8.529	178	115897	13.51	ppm		98
77) Carbazole	8.711	167	79814	10.65	ppm		98
78) Di-n-butylphthalate	9.151	149	73008	8.31	ppm		98
79) Fluoranthene	9.762	202	337116	39.26	ppm		93
81) Atrazine	8.206	200	14190	8.27	ppm		98
83) Benzidine	9.903	184	8813	2.55	ppm		89
84) Pyrene	9.986	202	282329	29.20	ppm		96
86) 3,3-Dimethylbenzidine	10.661	212	18956	3.76	ppm		100
87) Butylbenzylphthalate	10.708	149	29460	8.18	ppm		91
88) 3,3'-Dichlorobenzidine	11.237	252	26949	7.37	ppm		99
89) Benzo[a]anthracene	11.243	228	162366	17.91	ppm		97
90) Chrysene	11.284	228	156265	17.62	ppm		97
91) bis(2-Ethylhexyl)phtha...	11.372	149	44425	9.01	ppm		97
93) Di-n-octylphthalate	12.042	149	68399	10.28	ppm		98
94) Benzo[b]fluoranthene	12.394	252	144392m	15.96	ppm		
95) Benzo[k]fluoranthene	12.418	252	139566	14.47	ppm		98
96) Benzo[a]pyrene	12.717	252	132607	15.80	ppm		96
97) Indeno[1,2,3-cd]pyrene	13.816	276	132178	12.63	ppm		83
98) Dibenz[a,h]anthracene	13.827	278	83760	10.37	ppm		95
99) Benzo[g,h,i]perylene	14.086	276	119130m	13.41	ppm		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66064.D
Acq On : 9 Aug 2013 11:08 am
Operator : KRISTINR
Sample : OP34292-MS
Misc : OP34292,MSF3058,20.35,,,1,5
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 09 17:18:14 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



F130701_8270+.m Fri Aug 09 17:18:19 2013 Page: 3

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/12/13 12:46

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66065.D
Acq On : 9 Aug 2013 11:31 am
Operator : KRISTINR
Sample : OP34292-MSD
Misc : OP34292,MSF3058,20.54,,,1,5
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 09 17:36:12 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.231	152	74807	40.00	ppm	-0.03
21) 1,4-Dichlorobenzene-d4A	4.231	152	74807	40.00	PPM	-0.03
23) Naphthalene-d8	5.359	136	286251	40.00	ppm	-0.03
41) Naphthalene-d8a	5.359	136	286251	40.00	ppm	-0.03
43) Acenaphthene-d10	6.998	164	176073	40.00	ppm	-0.03
65) Acenaphthene-d10a	6.998	164	176073	40.00	ppm	-0.03
67) Phenanthrene-d10	8.461	188	320636m	40.00	ppm	-0.03
80) Phenanthrene-d10a	8.461	188	320783	40.00	ppm	-0.03
82) Chrysene-d12	11.257	240	350502	40.00	ppm	-0.04
92) Perylene-d12	12.778	264	339862	40.00	ppm	-0.04
100) Naphthalene-d8b	5.359	136	286251	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.244	112	13624	6.25	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.25%#			
7) Phenol-d5	3.973	99	18872	6.80	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.80%#			
24) Nitrobenzene-d5	4.730	82	18398	6.87	ppm	-0.05
Spiked Amount 50.000	Range 30 - 130		Recovery = 13.74%#			
48) 2-Fluorobiphenyl	6.369	172	42413	7.16	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 14.32%#			
71) 2,4,6-Tribromophenol	7.773	330	6173	6.01	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.01%#			
85) Terphenyl-d14	10.158	244	59356	7.97	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 15.94%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.275	74	7315	5.03	ug/l #	70
3) Pyridine	2.293	79	10021	3.83	ppm	84
4) Aniline	3.990	93	16227	4.91	ppm #	1
6) bis(2-Chloroethyl)ether	4.031	63	10021	6.63	ppm	80
8) Phenol	3.984	94	23274	8.28	ppm	76
9) 2-Chlorophenol	4.090	128	15142	6.51	ppm	94
10) 1,3-Dichlorobenzene	4.202	146	15302	5.64	ppm	96
11) 1,4-Dichlorobenzene	4.249	146	15788	5.45	ppm	98
12) 1,2-Dichlorobenzene	4.407	146	15648	6.01	ppm	95
14) bis(2-chloroisopropyl)...	4.495	45	15401	8.21	ppm	98
15) o-cresol	4.484	108	18237	8.92	ppm	84
16) Acetophenone	4.595	105	48208	14.33	ppm	97
17) Hexachloroethane	4.672	117	6341	6.25	ppm	91
18) N-Nitroso-di-n-propyla...	4.613	70	12607	7.52	ppm	87
19) m+p-cresols	4.613	108	36811	16.37	ppm	97
20) 4-methylphenol	4.613	108	36811	16.37	ppm	97
22) Benzaldehyde	3.879	77	12532	6.87	ppm	96
25) Nitrobenzene	4.748	77	18552	6.87	ppm	85
26) Isophorone	4.948	82	31075	6.94	ppm	93
27) 2-Nitrophenol	5.036	139	8560	6.28	ppm	84
28) 2,4-Dimethylphenol	5.077	107	21142	8.28	ppm	89
29) bis(2-Chloroethoxy)met...	5.153	93	24112	9.06	ppm	99
31) 2,4-Dichlorophenol	5.253	162	15375	6.89	ppm	98
32) 1,2,4-Trichlorobenzene	5.324	180	16012	6.25	ppm	96
33) Naphthalene	5.377	128	138113	19.51	ppm	97
34) 2,6-Dichlorophenol	5.459	162	15005	6.75	ppm	95
35) 4-Chloroaniline	5.447	127	17512	5.73	ppm	100
36) Hexachlorobutadiene	5.541	225	11138	6.64	ppm	95
37) 4-Chloro-3-methylphenol	5.905	107	19072	8.66	ppm	90
38) 2-Methylnaphthalene	6.011	142	43317	8.84	ppm	95

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66065.D
Acq On : 9 Aug 2013 11:31 am
Operator : KRISTINR
Sample : OP34292-MSD
Misc : OP34292,MSF3058,20.54,,,1,5
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 09 17:36:12 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

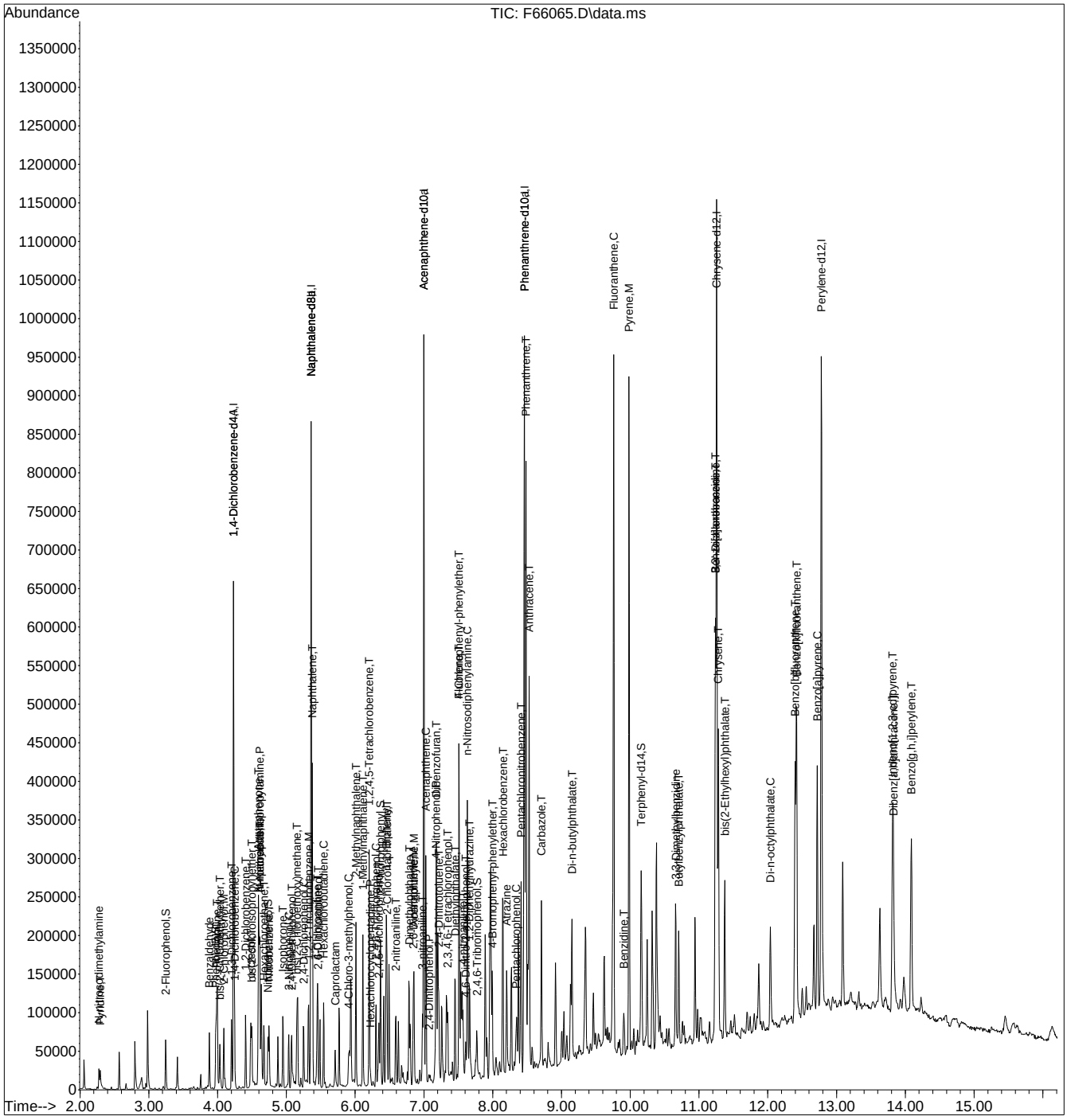
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 1-Methylnaphthalene	6.111	142	39636	8.34	ppm		99
40) 1,2,4,5-Tetrachloroben...	6.205	216	43585	14.61	ppm		96
42) Caprolactam	5.711	55	7087	8.11	ppm		93
44) Pentachloronitrobenzene	8.414	237	14564	18.51	ppm		95
45) Hexachlorocyclopentadiene	6.223	237	1827	0.97	ppm		93
46) 2,4,6-Trichlorophenol	6.305	196	12740	6.98	ppm		99
47) 2,4,5-Trichlorophenol	6.346	196	15596	8.04	ppm		99
49) 2-Chloronaphthalene	6.463	162	39056	8.17	ppm		94
50) Acenaphthylene	6.857	152	49183	6.49	ppm		99
51) Dimethylphthalate	6.786	163	42638	7.60	ppm		98
52) 2,4-Dinitrotoluene	7.215	165	13652	8.45	ppm		99
53) Acenaphthene	7.027	153	56282	11.73	ppm		99
54) 2,4-Dinitrophenol	7.074	184	1003	1.11	ppm		78
55) Dibenzofuran	7.180	168	75333	10.47	ppm		91
56) 2,6-Dinitrotoluene	6.845	165	9200	7.28	ppm		90
57) 4-Nitrophenol	7.174	65	11763	11.37	ppm	#	1
58) 2,3,4,6-Tetrachlorophenol	7.345	232	11338	6.60	ppm		98
59) Fluorene	7.509	166	70329	12.63	ppm		100
60) 4-Chlorophenyl-phenyle...	7.509	204	23942	7.76	ppm		92
61) Diethylphthalate	7.456	149	45157	8.20	ppm		97
62) 2-nitroaniline	6.593	138	11282	7.37	ppm		85
63) 3-nitroaniline	6.980	138	9374	7.18	ppm	#	83
64) 4-nitroaniline	7.568	138	9997	7.62	ppm		75
66) 1,1'-Biphenyl	6.452	154	45580	7.48	ppm		100
68) 4,6-Dinitro-2-methylph...	7.609	198	4193	3.53	ppm		100
69) n-Nitrosodiphenylamine	7.632	169	74201	18.38	ppm		96
70) 1,2-Diphenylhydrazine	7.662	77	43600	8.50	ppm		94
72) 4-Bromophenyl-phenylether	7.997	248	14648	7.46	ppm		96
73) Hexachlorobenzene	8.149	284	14606	7.19	ppm		92
74) Pentachlorophenol	8.337	266	5332	3.67	ppm		94
75) Phenanthrene	8.484	178	278547m	33.59	ppm		
76) Anthracene	8.531	178	120612	14.01	ppm		98
77) Carbazole	8.707	167	83084	11.05	ppm		96
78) Di-n-butylphthalate	9.154	149	75774	8.60	ppm		98
79) Fluoranthene	9.759	202	335081	38.88	ppm		97
81) Atrazine	8.202	200	15045	8.72	ppm		93
83) Benzidine	9.906	184	12831	3.73	ppm		93
84) Pyrene	9.982	202	288907	30.04	ppm		100
86) 3,3-Dimethylbenzidine	10.664	212	23028	4.60	ppm		100
87) Butylbenzylphthalate	10.705	149	30958	8.64	ppm		93
88) 3,3'-Dichlorobenzidine	11.239	252	28560	7.86	ppm		98
89) Benzo[a]anthracene	11.239	228	163207	18.10	ppm		98
90) Chrysene	11.280	228	154070	17.47	ppm		97
91) bis(2-Ethylhexyl)phtha...	11.374	149	45419	9.26	ppm		96
93) Di-n-octylphthalate	12.038	149	74382	10.82	ppm		99
94) Benzo[b]fluoranthene	12.397	252	157051	17.02	ppm		96
95) Benzo[k]fluoranthene	12.420	252	126306	12.84	ppm		95
96) Benzo[a]pyrene	12.720	252	131578	15.37	ppm		93
97) Indeno[1,2,3-cd]pyrene	13.812	276	136093	12.75	ppm		81
98) Dibenz[a,h]anthracene	13.830	278	87416	10.61	ppm		95
99) Benzo[g,h,i]perylene	14.088	276	122888	13.56	ppm		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66065.D
Acq On : 9 Aug 2013 11:31 am
Operator : KRISTINR
Sample : OP34292-MSD
Misc : OP34292,MSF3058,20.54,,,1,5
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 09 17:36:12 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

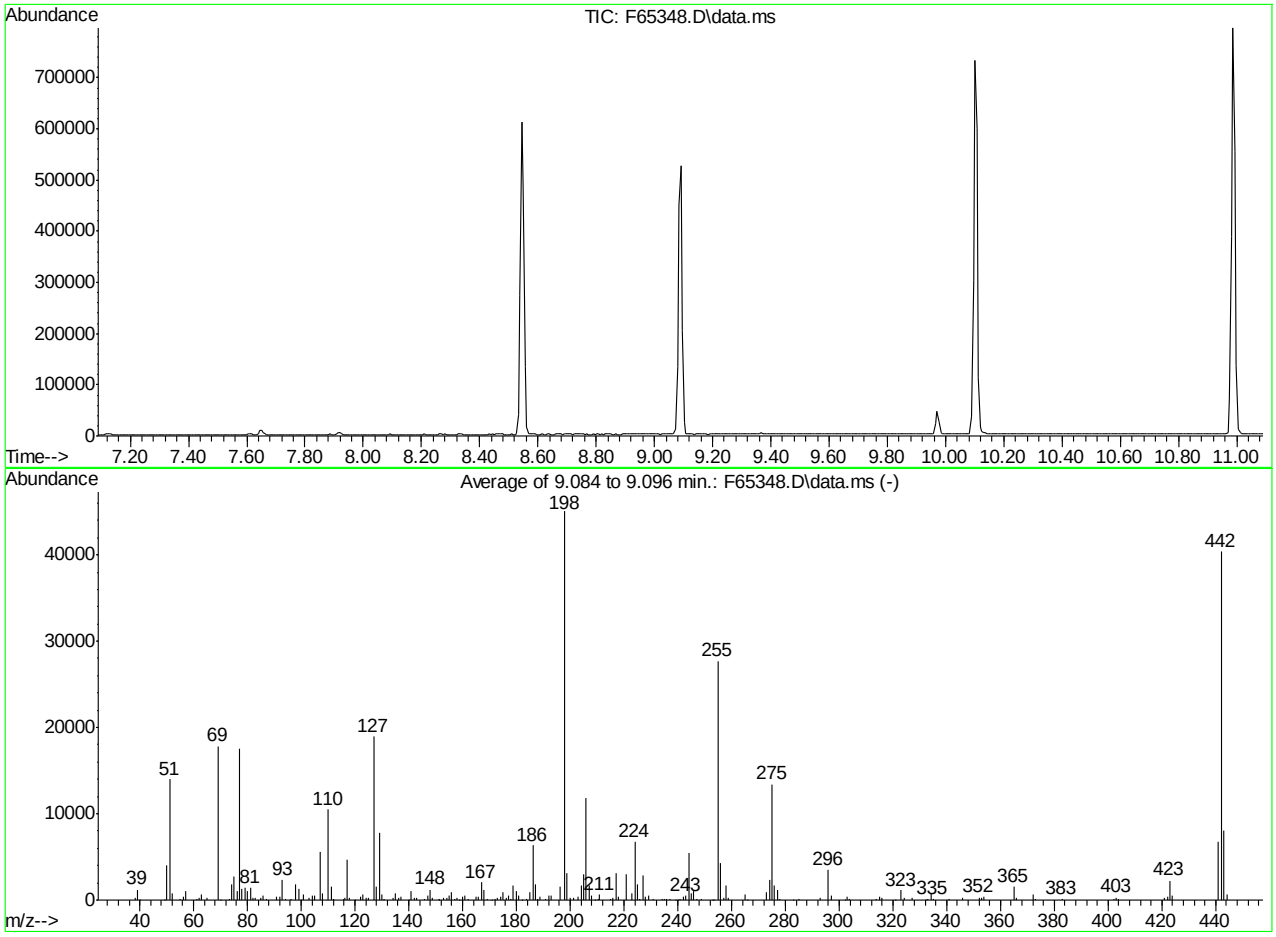


DFTPP

Data File : F:\1\DATA\F130701\F65348.D
Acq On : 1 Jul 2013 3:51 pm
Sample : DFTPP
Misc : OP33788,MSF3031,,,,1,1
MS Integration Params: rteint.p

Vial: 99
Operator: kristinr
Inst : MSF
Multiplr: 1.00

Method : C:\msdchem\2\METHODS\DFTPP.m (RTE Integrator)
Title : DFTPP and Tune Evaluation



Spectrum Information: Average of 9.084 to 9.096 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	31.1	13986	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	39.7	17861	PASS
70	69	0.00	2	0.3	53	PASS
127	198	40	60	42.0	18917	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	45035	PASS
199	198	5	9	7.1	3179	PASS
275	198	10	30	29.8	13412	PASS
365	198	1	100	3.4	1528	PASS
441	443	0.01	100	84.1	6771	PASS
442	198	40	100	89.6	40365	PASS
443	442	17	23	20.0	8054	PASS

F65348.D DFTPP.m Wed Jul 03 08:58:36 2013

ACCUTEST LABORATORIES
MC23273

Average of 9.084 to 9.096 min.: F65348.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	226	62.05	240	79.05	1402	94.05	163
39.05	1227	63.05	626	80.05	984	96.05	75
39.95	54	65.05	273	81.05	1418	98.05	1773
49.15	52	69.05	17861	82.00	322	99.00	1249
50.05	4047	70.05	53	83.00	276	100.05	53
51.05	13986	73.10	130	85.00	287	100.95	696
52.05	736	74.05	1829	85.95	468	102.95	258
55.15	130	75.05	2706	87.00	138	104.05	519
56.05	429	76.15	1010	91.00	384	105.00	549
57.05	1051	77.05	17489	92.05	347	107.05	5564
61.05	198	78.05	1257	93.05	2297	108.05	838

Average of 9.084 to 9.096 min.: F65348.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
110.05	10469	125.00	293	141.00	1108	155.00	546
111.05	1534	127.05	18917	141.95	328	156.00	902
111.95	179	128.05	1569	142.95	209	157.05	165
115.95	153	129.05	7796	146.00	167	157.95	228
116.15	206	129.95	675	147.05	482	158.95	60
117.05	4737	131.00	156	147.95	1203	160.00	355
118.05	325	134.00	284	148.95	321	161.00	464
120.05	61	135.05	731	151.15	59	162.05	136
122.00	418	136.05	261	151.45	81	164.95	441
122.95	601	137.05	341	153.00	315	166.00	355
123.95	207	139.85	52	154.00	242	167.00	2069

Average of 9.084 to 9.096 min.: F65348.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
168.05	1137	180.00	1019	193.05	559	207.95	487
169.00	160	180.95	522	196.05	1619	209.05	60
170.95	56	182.05	58	197.95	45035	210.25	196
171.90	175	183.95	127	198.95	3179	211.05	626
173.00	237	185.05	933	199.95	272	214.95	139
174.00	380	186.05	6321	201.45	212	215.95	280
175.05	887	187.05	1790	203.00	331	216.95	3130
176.05	291	188.00	146	204.05	1663	217.95	445
176.95	487	188.95	421	205.05	3039	221.00	3049
178.05	140	191.00	168	206.05	11866	223.00	827
178.95	1683	191.95	535	207.05	1731	224.05	6698

Average of 9.084 to 9.096 min.: F65348.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
225.05	1840	240.05	60	254.95	27723	276.95	1158
226.05	175	241.00	144	255.95	4334	278.05	98
226.95	2830	241.95	361	257.00	268	282.95	53
228.00	434	243.00	490	257.95	1701	285.05	103
229.00	527	244.05	5403	258.95	266	293.00	233
230.95	193	245.00	756	264.95	605	296.00	3476
234.00	160	245.95	1054	266.05	53	296.95	509
234.95	176	247.00	198	273.00	876	302.05	53
235.95	128	248.95	191	274.00	2323	303.00	425
237.00	183	252.95	53	275.05	13412	303.95	93
239.05	51	253.15	58	276.05	1749	314.00	147

Average of 9.084 to 9.096 min.: F65348.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
314.90	408	345.95	292	403.95	70		
315.95	289	351.95	322	420.90	284		
320.95	56	353.05	251	422.10	353		
323.05	1168	354.00	397	423.00	2211		

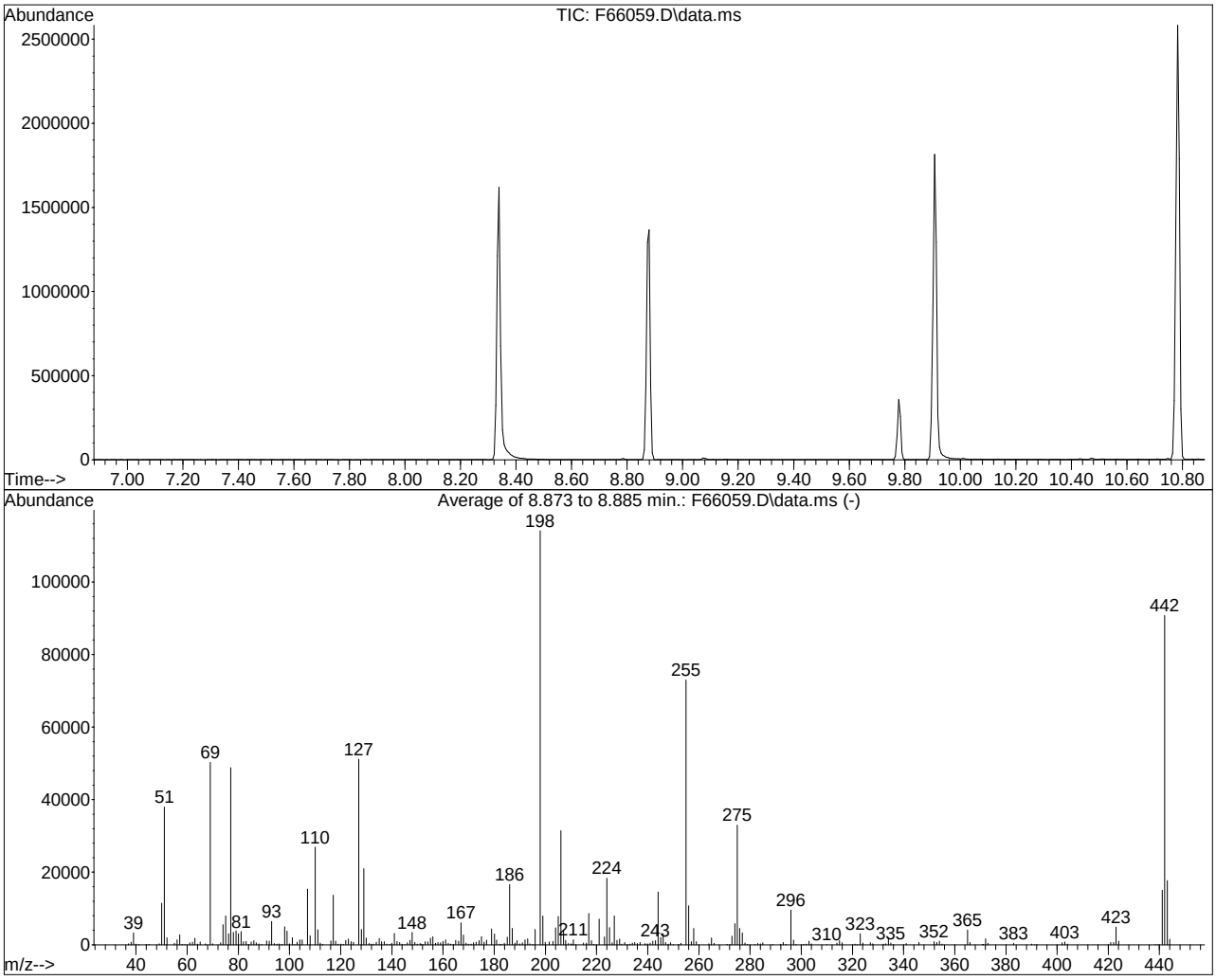
DFTPP.m Wed Jul 03 08:58:25 2013 Page: 0

324.05	234	364.95	1528	424.00	472
327.00	205	365.95	276	441.05	6771
331.95	55	372.05	597	442.05	40365
333.05	82	373.05	74	443.05	8054
334.05	818	382.95	78	444.05	700
334.95	94	401.95	173		
340.95	109	403.00	267		

DFTPP

Data File : F:\1\DATA\F130809\F66059.D Vial: 99
Acq On : 9 Aug 2013 9:09 am Operator: KRISTINR
Sample : DFTPP Inst : MSF
Misc : OP34224,MSF3058,,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\1\methods\dftppeval.m (RTE Integrator)
Title : DFTPP and Tune Evaluation



Spectrum Information: Average of 8.873 to 8.885 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.3	37967	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	44.1	50267	PASS
70	69	0.00	2	0.6	284	PASS
127	198	40	60	44.9	51191	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	114099	PASS
199	198	5	9	7.0	7945	PASS
275	198	10	30	28.9	32989	PASS
365	198	1	100	3.6	4088	PASS
441	443	0.01	100	85.2	15084	PASS
442	198	40	100	79.6	90768	PASS
443	442	17	23	19.5	17700	PASS

F66059.D dftppeval.m Fri Aug 09 13:41:06 2013

ACCUTEST LABORATORIES MC23273

Average of 8.873 to 8.885 min.: F66059.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.05	258	55.05	434	69.05	50267	82.00	877
38.10	721	56.05	1353	69.95	284	83.05	914
39.05	3298	57.05	2756	73.05	580	83.95	77
39.95	173	58.00	145	74.05	5496	85.05	797
41.05	39	59.05	51	75.05	7942	86.05	1174
44.05	115	61.05	559	76.15	3021	87.00	516
45.05	115	62.05	679	77.05	48821	88.05	227
49.05	266	63.05	1804	78.05	3382	89.05	53
50.05	11496	64.00	210	79.05	3842	91.05	1068
51.05	37967	65.10	787	80.05	3065	92.05	1026
52.05	1963	67.15	225	81.05	3613	93.05	6382

Average of 8.873 to 8.885 min.: F66059.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.05	370	104.95	1337	120.05	190	132.05	184
95.05	158	107.05	15314	121.05	102	132.90	176
96.05	278	108.05	2421	122.00	1211	133.95	665
97.05	104	110.05	26891	123.00	1602	135.05	1688
98.05	4965	111.05	4132	124.05	864	136.00	833
99.05	3763	112.00	493	124.95	670	137.00	818
99.95	271	112.90	130	127.05	51191	138.00	182
101.05	1923	116.10	1090	128.05	4183	139.05	129
102.05	53	117.05	13657	129.05	20983	139.95	383
103.00	683	118.00	960	130.00	1892	140.95	3099
104.05	1374	118.95	164	131.05	299	142.05	953

Average of 8.873 to 8.885 min.: F66059.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
143.00	654	153.05	855	164.00	144	175.05	2204
143.95	221	154.00	758	164.95	1186	176.05	730
145.05	54	155.05	1774	166.05	1002	176.95	1262
146.00	575	156.05	2267	167.05	6046	178.95	4336
147.05	1239	157.05	421	168.00	2682	180.05	2966
147.95	3377	157.95	593	168.95	492	180.95	1310
149.00	607	159.00	528	169.95	218	182.05	208
149.90	165	159.95	944	170.95	192	182.85	121
151.05	363	161.00	1357	171.95	562	183.95	407
151.35	163	162.00	426	172.95	723	185.05	2111
152.05	104	162.95	159	174.05	1139	186.05	16593

Average of 8.873 to 8.885 min.: F66059.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
187.05	4484	198.95	7945	210.65	138	225.05	4718
188.05	489	199.95	719	210.95	1331	226.05	576
188.95	1119	201.50	748	211.85	74	226.95	7960
189.95	256	202.90	945	214.90	484	228.00	1200
191.00	528	204.00	4625	216.05	447	228.95	1583
192.00	1363	205.05	7830	216.95	8608	229.85	221
193.05	1628	206.05	31484	217.95	1158	231.00	648
193.95	285	207.05	4049	218.95	125	232.05	67
195.05	103	207.95	1193	221.00	7083	233.00	218
195.95	4233	208.95	348	223.05	2147	233.95	447
197.95	114099	210.00	281	224.05	18329	234.95	596

Average of 8.873 to 8.885 min.: F66059.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
236.00	317	247.95	173	264.95	1893	281.85	53
236.95	656	248.95	553	265.95	433	283.00	356
238.95	368	249.95	50	271.05	115	284.00	242
239.95	274	252.00	130	272.05	55	285.00	565
240.95	453	252.95	380	272.95	2360	288.95	71
242.00	984	254.95	72955	274.05	5818	291.95	76
243.05	1174	255.95	10718	275.00	32989	292.95	646
244.05	14525	257.00	832	275.95	4487	294.00	110
245.05	2031	257.95	4474	276.95	3236	295.95	9586
246.00	3072	259.00	883	278.00	467	297.00	1251
246.95	599	263.85	235	278.95	118	297.90	111

Average of 8.873 to 8.885 min.: F66059.D\data.ms

dftppeval.m Fri Aug 09 13:40:06 2013

DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
300.95	78	324.05	490	352.95	660	391.05	68
302.00	161	326.95	590	354.00	956	392.05	57
303.05	966	327.95	288	355.00	169	401.95	574
304.00	276	332.05	211	364.95	4088	403.00	776
309.95	54	333.00	264	365.95	630	404.00	214
313.95	495	334.05	1911	370.95	128	420.95	661
314.95	1129	334.95	480	371.15	111	422.10	652
316.00	553	336.05	51	372.05	1629	423.05	4907
320.95	223	341.00	370	373.00	400	424.05	990
321.95	62	345.95	649	382.95	374	438.35	53
323.05	3043	351.95	876	390.00	166	439.45	72

Average of 8.873 to 8.885 min.: F66059.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
441.05	15084						
442.05	90768						
443.05	17700						
444.00	1496						

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65349.D
Acq On : 1 Jul 2013 4:12 pm
Operator : kristinr
Sample : ICC3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 10 06:58:29 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:10:10 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.421	152	64528	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.421	152	64528	40.00	PPM	0.00
23) Naphthalene-d8	5.555	136	236571	40.00	ppm	0.00
41) Naphthalene-d8a	5.555	136	236571	40.00	ppm	0.00
43) Acenaphthene-d10	7.199	164	147912	40.00	ppm	0.00
65) Acenaphthene-d10a	7.199	164	147912	40.00	ppm	0.00
67) Phenanthrene-d10	8.680	188	266380	40.00	ppm	0.00
80) Phenanthrene-d10a	8.680	188	266380	40.00	ppm	0.00
82) Chrysene-d12	11.476	240	278608	40.00	ppm	0.00
92) Perylene-d12	13.003	264	257022	40.00	ppm	0.00
100) Naphthalene-d8b	5.555	136	235501m	40.00	ug/mL	0.63
System Monitoring Compounds						
5) 2-Fluorophenol	3.410	112	96300	45.00	ppm	0.05
Spiked Amount 100.000	Range 30 - 130		Recovery = 45.00%			
7) Phenol-d5	4.133	99	121124	41.14	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 41.14%			
24) Nitrobenzene-d5	4.926	82	114543	44.19	ppm	0.03
Spiked Amount 50.000	Range 30 - 130		Recovery = 88.38%			
48) 2-Fluorobiphenyl	6.565	172	248684	50.86	ppm	0.02
Spiked Amount 50.000	Range 30 - 130		Recovery = 101.72%			
71) 2,4,6-Tribromophenol	7.981	330	43836	53.80	ppm	0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 53.80%			
85) Terphenyl-d14	10.360	244	293748	48.87	ppm	0.16
Spiked Amount 50.000	Range 30 - 130		Recovery = 97.74%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.453	74	63151	42.14	ug/l	99
3) Pyridine	2.459	79	114016	41.54	ppm	93
4) Aniline	4.174	93	143976	40.10	ppm #	1
6) bis(2-Chloroethyl)ether	4.215	63	66215	40.95	ppm	88
8) Phenol	4.145	94	122797	39.83	ppm	98
9) 2-Chlorophenol	4.268	128	102345	47.36	ppm	95
10) 1,3-Dichlorobenzene	4.392	146	117745	48.18	ppm	98
11) 1,4-Dichlorobenzene	4.439	146	123971	48.50	ppm	97
12) 1,2-Dichlorobenzene	4.597	146	112511	48.27	ppm	98
13) Benzyl alcohol	4.550	108	66207	42.54	ppm	97
14) bis(2-chloroisopropyl)...	4.679	45	80940	35.47	ppm	95
15) o-cresol	4.650	108	90089m	19.68	ppm	
16) Acetophenone	4.785	105	144872	41.35	ppm	90
17) Hexachloroethane	4.867	117	43857	43.87	ppm	80
18) N-Nitroso-di-n-propyla...	4.803	70	73204	43.93	ppm	97
19) m+p-cresols	4.779	108	195467	85.41	ppm	92
20) 4-methylphenol	4.779	108	195467	85.41	ppm	92
25) Nitrobenzene	4.938	77	113863	43.21	ppm	90
26) Isophorone	5.143	82	191272	41.80	ppm	98
27) 2-Nitrophenol	5.226	139	56917	51.72	ppm	92
28) 2,4-Dimethylphenol	5.249	107	106531	44.94	ppm	93
29) bis(2-Chloroethoxy)met...	5.337	93	113201	42.85	ppm	100

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65349.D
Acq On : 1 Jul 2013 4:12 pm
Operator : kristinr
Sample : ICC3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 10 06:58:29 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:10:10 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.337	105	82538	44.06	ppm	95
31) 2,4-Dichlorophenol	5.431	162	93953	53.36	ppm	97
32) 1,2,4-Trichlorobenzene	5.514	180	107678	58.22	ppm	97
33) Naphthalene	5.572	128	293425	48.05	ppm	96
34) 2,6-Dichlorophenol	5.643	162	91884	53.17	ppm	98
35) 4-Chloroaniline	5.637	127	126193	48.57	ppm	100
36) Hexachlorobutadiene	5.737	225	69440	56.89	ppm	97
37) 4-Chloro-3-methylphenol	6.072	107	91991	44.27	ppm	92
38) 2-Methylnaphthalene	6.207	142	202690	50.65	ppm	98
39) 1-Methylnaphthalene	6.312	142	197144	50.29	ppm	98
40) 1,2,4,5-Tetrachloroben...	6.401	216	122056	58.01	ppm	98
44) Pentachloronitrobenzene	8.633	237	33166	52.05	ppm	99
45) Hexachlorocyclopentadiene	6.418	237	80655	66.08	ppm	99
46) 2,4,6-Trichlorophenol	6.495	196	75608	53.17	ppm	96
47) 2,4,5-Trichlorophenol	6.524	196	82277	53.98	ppm	99
49) 2-Chloronaphthalene	6.659	162	202728	51.27	ppm	96
50) Acenaphthylene	7.059	152	323569	50.68	ppm	97
51) Dimethylphthalate	6.976	163	236408	49.29	ppm	100
52) 2,4-Dinitrotoluene	7.417	165	70148	51.23	ppm	96
53) Acenaphthene	7.235	153	200532	50.63	ppm	97
54) 2,4-Dinitrophenol	7.264	184	37249	49.92	ppm	91
55) Dibenzofuran	7.387	168	303833	53.42	ppm	98
56) 2,6-Dinitrotoluene	7.041	165	54439	53.29	ppm	71
57) 4-Nitrophenol	7.323	65	42953	39.35	ppm	88
58) 2,3,4,6-Tetrachlorophenol	7.546	232	73304	55.98	ppm	99
59) Fluorene	7.722	166	237410	52.68	ppm	99
60) 4-Chlorophenyl-phenyle...	7.716	204	131362	58.63	ppm	97
61) Diethylphthalate	7.658	149	228939	47.92	ppm	99
62) 2-nitroaniline	6.782	138	66015	48.86	ppm	92
63) 3-nitroaniline	7.176	138	55698	47.37	ppm	96
64) 4-nitroaniline	7.775	138	56019	46.75	ppm	84
68) 4,6-Dinitro-2-methylph...	7.816	198	51105	51.99	ppm	100
69) n-Nitrosodiphenylamine	7.840	169	169003	47.35	ppm	96
70) 1,2-Diphenylhydrazine	7.875	77	218262m	39.26	ppm	
72) 4-Bromophenyl-phenylether	8.210	248	82444	55.59	ppm	92
73) Hexachlorobenzene	8.368	284	85880	58.01	ppm	88
74) Pentachlorophenol	8.545	266	61441	61.59	ppm	98
75) Phenanthrene	8.709	178	343960	49.75	ppm	99
76) Anthracene	8.756	178	364961	51.60	ppm	99
77) Carbazole	8.927	167	317945	48.79	ppm	97
78) Di-n-butylphthalate	9.367	149	377803	45.27	ppm	100
79) Fluoranthene	9.966	202	364848m	47.12	ppm	
83) Benzidine	10.101	184	144878	44.85	ppm	97
84) Pyrene	10.190	202	385260m	48.36	ppm	
86) 3,3-Dimethylbenzidine	10.865	212	208984	46.53	ppm	100
87) Butylbenzylphthalate	10.912	149	144382	40.57	ppm	97
88) 3,3'-Dichlorobenzidine	11.453	252	151245	52.77	ppm	99
89) Benzo[a]anthracene	11.458	228	362432	48.47	ppm	98
90) Chrysene	11.505	228	346125	47.50	ppm	98
91) bis(2-Ethylhexyl)phtha...	11.582	149	209902	41.45	ppm	98

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65349.D
Acq On : 1 Jul 2013 4:12 pm
Operator : kristinr
Sample : ICC3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 10 06:58:29 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:10:10 2013
Response via : Initial Calibration

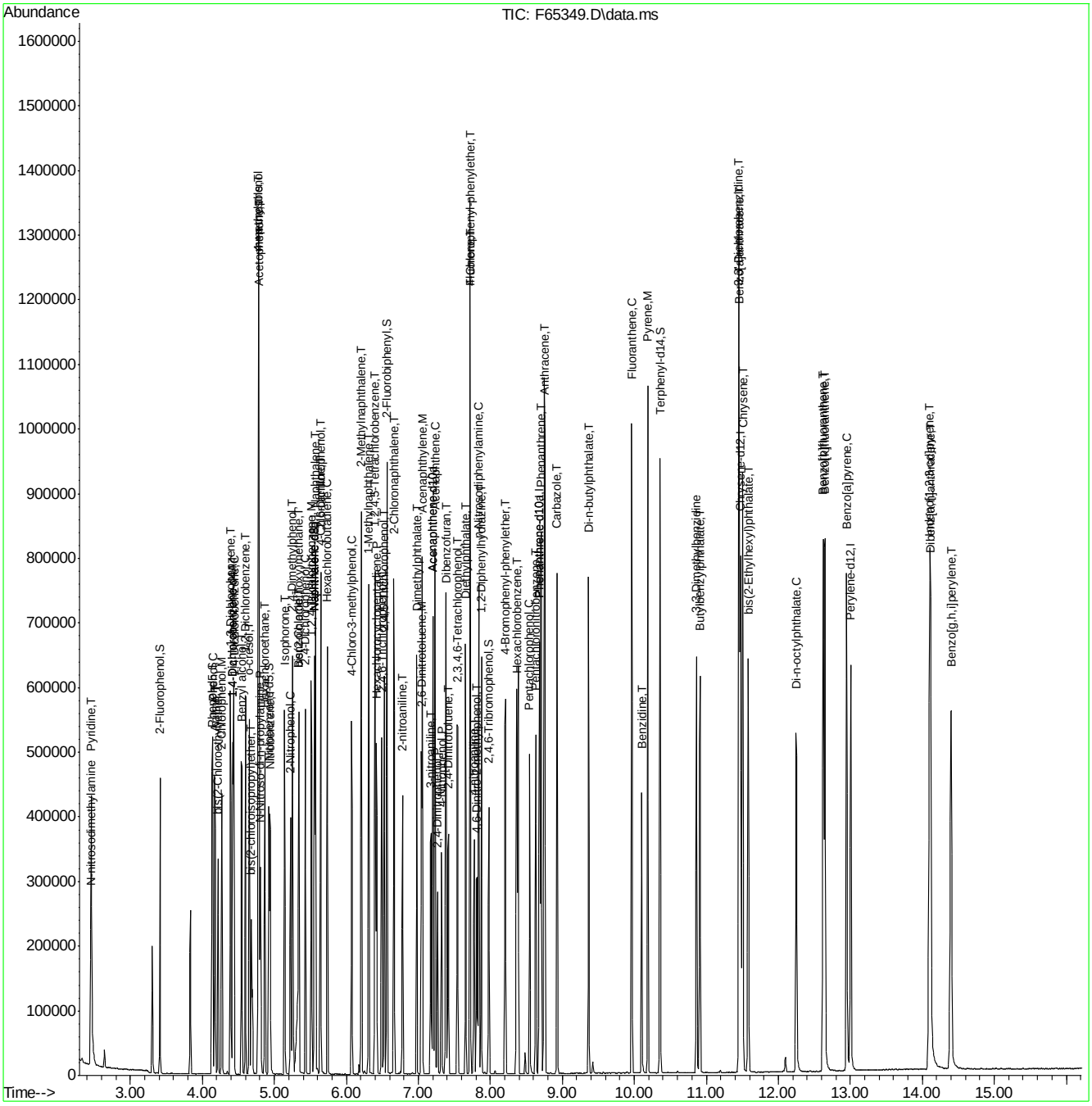
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.246	149	323960m	38.32	ppm	
94) Benzo[b]fluoranthene	12.622	252	358191m	45.45	ppm	
95) Benzo[k]fluoranthene	12.651	252	379179m	52.84	ppm	
96) Benzo[a]pyrene	12.951	252	341207m	49.57	ppm	
97) Indeno[1,2,3-cd]pyrene	14.102	276	411915m	51.03	ppm	
98) Dibenz[a,h]anthracene	14.114	278	331592m	50.60	ppm	
99) Benzo[g,h,i]perylene	14.402	276	348150m	52.11	ppm	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65349.D
Acq On : 1 Jul 2013 4:12 pm
Operator : kristinr
Sample : ICC3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 10 06:58:29 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:10:10 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23273

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65350.D
Acq On : 1 Jul 2013 4:36 pm
Operator : kristinr
Sample : IC3031-2
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 10 06:59:07 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:12:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.421	152	60446	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.421	152	60446	40.00	PPM		0.00
23) Naphthalene-d8	5.555	136	228090	40.00	ppm		0.00
41) Naphthalene-d8a	5.555	136	228090	40.00	ppm		0.00
43) Acenaphthene-d10	7.199	164	142178	40.00	ppm		0.00
65) Acenaphthene-d10a	7.199	164	142178	40.00	ppm		0.00
67) Phenanthrene-d10	8.680	188	259113	40.00	ppm		0.00
80) Phenanthrene-d10a	8.680	188	259113	40.00	ppm		0.00
82) Chrysene-d12	11.476	240	267431	40.00	ppm		0.00
92) Perylene-d12	13.003	264	246581	40.00	ppm		0.00
100) Naphthalene-d8b	5.555	136	228090	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.410	112	3493	1.94	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.94%#				
7) Phenol-d5	4.127	99	4574	2.02	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 2.02%#				
24) Nitrobenzene-d5	4.920	82	3978	1.80	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.60%#				
48) 2-Fluorobiphenyl	6.565	172	9408	1.97	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.94%#				
71) 2,4,6-Tribromophenol	7.975	330	1476	1.73	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.73%#				
85) Terphenyl-d14	10.354	244	11180	1.98	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.96%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.459	74	2245	1.90	ug/l		98
3) Pyridine	2.482	79	4209	1.97	ppm		84
4) Aniline	4.174	93	5501	2.04	ppm	#	1
6) bis(2-Chloroethyl)ether	4.215	63	2474	1.99	ppm		86
8) Phenol	4.139	94	4417	1.92	ppm		97
9) 2-Chlorophenol	4.268	128	3758	1.96	ppm		97
10) 1,3-Dichlorobenzene	4.391	146	4312	1.95	ppm		96
11) 1,4-Dichlorobenzene	4.433	146	4720	2.03	ppm		94
12) 1,2-Dichlorobenzene	4.597	146	4217	2.00	ppm		98
13) Benzyl alcohol	4.544	108	2296	1.85	ppm		98
14) bis(2-chloroisopropyl)...	4.679	45	3133	2.07	ppm		94
15) o-cresol	4.650	108	3323m	0.91	ppm		
16) Acetophenone	4.785	105	5466	2.01	ppm		98
17) Hexachloroethane	4.867	117	1454	1.77	ppm		84
18) N-Nitroso-di-n-propyla...	4.803	70	2717	1.98	ppm		96
19) m+p-cresols	4.773	108	7193	3.93	ppm		99
20) 4-methylphenol	4.773	108	7193	3.93	ppm		99
25) Nitrobenzene	4.938	77	4092	1.86	ppm		87
26) Isophorone	5.143	82	6766	1.83	ppm		95
27) 2-Nitrophenol	5.226	139	1808	1.65	ppm		90
28) 2,4-Dimethylphenol	5.249	107	3604	1.75	ppm		96
29) bis(2-Chloroethoxy)met...	5.337	93	4140	1.90	ppm		90

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65350.D
Acq On : 1 Jul 2013 4:36 pm
Operator : kristinr
Sample : IC3031-2
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 10 06:59:07 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:12:23 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30)	Benzoic acid	5.284	105	1696	1.07	ppm		98
31)	2,4-Dichlorophenol	5.431	162	3231	1.78	ppm		95
32)	1,2,4-Trichlorobenzene	5.513	180	4035	1.94	ppm		94
33)	Naphthalene	5.572	128	10723	1.90	ppm		96
34)	2,6-Dichlorophenol	5.643	162	3334	1.88	ppm		95
35)	4-Chloroaniline	5.637	127	4479	1.84	ppm		100
36)	Hexachlorobutadiene	5.737	225	2733	2.04	ppm		93
37)	4-Chloro-3-methylphenol	6.072	107	3383	1.91	ppm		85
38)	2-Methylnaphthalene	6.207	142	7655	1.96	ppm		96
39)	1-Methylnaphthalene	6.306	142	7589	2.00	ppm		96
40)	1,2,4,5-Tetrachloroben...	6.400	216	4709	2.00	ppm		99
44)	Pentachloronitrobenzene	8.627	237	1019	1.60	ppm		92
45)	Hexachlorocyclopentadiene	6.418	237	2576	1.66	ppm		99
46)	2,4,6-Trichlorophenol	6.489	196	2604	1.79	ppm		99
47)	2,4,5-Trichlorophenol	6.524	196	2764	1.75	ppm		94
49)	2-Chloronaphthalene	6.659	162	7263	1.86	ppm		90
50)	Acenaphthylene	7.053	152	11738	1.89	ppm		97
51)	Dimethylphthalate	6.976	163	8863	1.95	ppm		99
52)	2,4-Dinitrotoluene	7.411	165	2100	1.56	ppm		99
53)	Acenaphthene	7.229	153	7654	1.99	ppm		98
55)	Dibenzofuran	7.382	168	11449	1.96	ppm		97
56)	2,6-Dinitrotoluene	7.035	165	1606	1.53	ppm		83
57)	4-Nitrophenol	7.317	65	1362	1.65	ppm	#	78
58)	2,3,4,6-Tetrachlorophenol	7.540	232	2338	1.66	ppm		95
59)	Fluorene	7.716	166	8583	1.88	ppm		97
60)	4-Chlorophenyl-phenyle...	7.716	204	4756	1.88	ppm		94
61)	Diethylphthalate	7.652	149	9617	2.19	ppm		99
62)	2-nitroaniline	6.782	138	1964	1.55	ppm		90
63)	3-nitroaniline	7.170	138	1725	1.61	ppm		92
64)	4-nitroaniline	7.763	138	1742	1.62	ppm		94
68)	4,6-Dinitro-2-methylph...	7.810	198	1094	1.10	ppm		100
69)	n-Nitrosodiphenylamine	7.834	169	6088	1.85	ppm		95
70)	1,2-Diphenylhydrazine	7.869	77	7858	1.85	ppm		97
72)	4-Bromophenyl-phenylether	8.204	248	3115	1.94	ppm		96
73)	Hexachlorobenzene	8.363	284	3063	1.83	ppm		94
74)	Pentachlorophenol	8.545	266	1729	1.45	ppm		96
75)	Phenanthrene	8.703	178	13364	2.00	ppm		99
76)	Anthracene	8.750	178	12989	1.83	ppm		99
77)	Carbazole	8.926	167	11159	1.80	ppm		96
78)	Di-n-butylphthalate	9.367	149	13110	1.78	ppm		98
79)	Fluoranthene	9.966	202	12838	1.81	ppm		95
83)	Benzidine	10.101	184	4163	1.50	ppm		93
84)	Pyrene	10.184	202	13600	1.84	ppm		95
86)	3,3-Dimethylbenzidine	10.865	212	6324	1.58	ppm		100
87)	Butylbenzylphthalate	10.906	149	4506	1.63	ppm		99
88)	3,3'-Dichlorobenzidine	11.447	252	4156	1.43	ppm		96
89)	Benzo[a]anthracene	11.452	228	13255	1.91	ppm		99
90)	Chrysene	11.499	228	13123	1.97	ppm		98
91)	bis(2-Ethylhexyl)phtha...	11.582	149	5087	1.26	ppm		93
93)	Di-n-octylphthalate	12.246	149	6176	0.99	ppm		93

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65350.D
Acq On : 1 Jul 2013 4:36 pm
Operator : kristinr
Sample : IC3031-2
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 10 06:59:07 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:12:23 2013
Response via : Initial Calibration

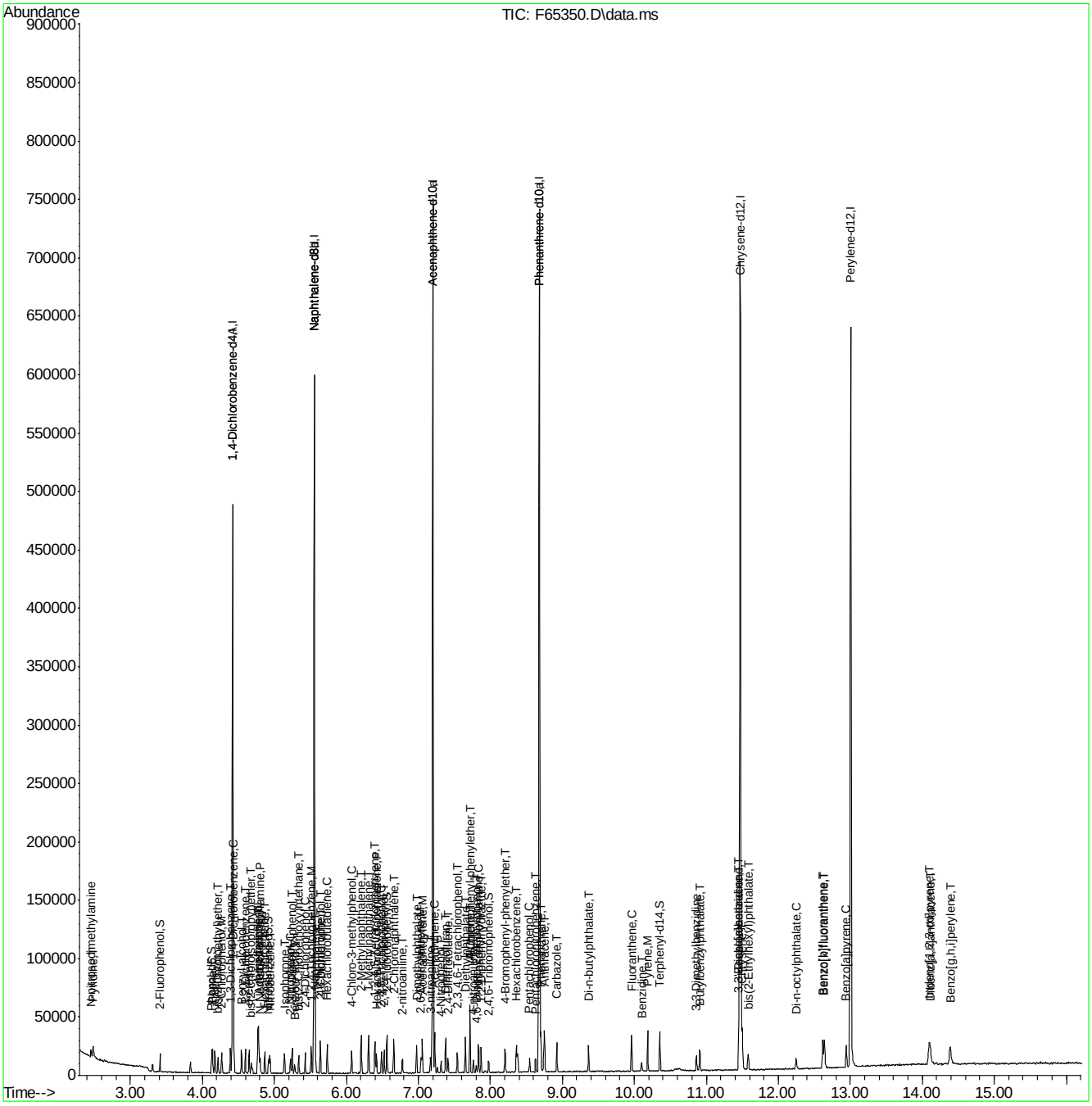
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo[b]fluoranthene	12.616	252	11502	1.67	ppm	98
95) Benzo[k]fluoranthene	12.639	252	13685	1.88	ppm	98
96) Benzo[a]pyrene	12.945	252	9845	1.50	ppm	93
97) Indeno[1,2,3-cd]pyrene	14.096	276	12298	1.56	ppm	87
98) Dibenz[a,h]anthracene	14.108	278	9657	1.52	ppm	95
99) Benzo[g,h,i]perylene	14.390	276	10637	1.59	ppm	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65350.D
Acq On : 1 Jul 2013 4:36 pm
Operator : kristinr
Sample : IC3031-2
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 10 06:59:07 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:12:23 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65351.D
Acq On : 1 Jul 2013 5:00 pm
Operator : kristinr
Sample : IC3031-5
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 10 06:59:17 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:14:15 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.421	152	56712	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.421	152	56712	40.00	PPM		0.00
23) Naphthalene-d8	5.555	136	208770	40.00	ppm		0.00
41) Naphthalene-d8a	5.555	136	208770	40.00	ppm		0.00
43) Acenaphthene-d10	7.200	164	129325	40.00	ppm		0.00
65) Acenaphthene-d10a	7.200	164	129325	40.00	ppm		0.00
67) Phenanthrene-d10	8.680	188	240238	40.00	ppm		0.00
80) Phenanthrene-d10a	8.680	188	240238	40.00	ppm		0.00
82) Chrysene-d12	11.471	240	245286	40.00	ppm		0.00
92) Perylene-d12	13.004	264	229683	40.00	ppm		0.00
100) Naphthalene-d8b	5.555	136	208770	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.411	112	8286	4.97	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 4.97%#				
7) Phenol-d5	4.128	99	10517	4.92	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 4.92%#				
24) Nitrobenzene-d5	4.921	82	9539	4.97	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 9.94%#				
48) 2-Fluorobiphenyl	6.565	172	21881	5.07	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 10.14%#				
71) 2,4,6-Tribromophenol	7.975	330	3474	4.39	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 4.39%#				
85) Terphenyl-d14	10.354	244	25132	4.88	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 9.76%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.453	74	5343	4.81	ug/l		91
3) Pyridine	2.471	79	9552	4.77	ppm		94
4) Aniline	4.175	93	12004	4.70	ppm	#	1
6) bis(2-Chloroethyl)ether	4.216	63	5597	4.82	ppm		91
8) Phenol	4.139	94	10337	4.89	ppm		94
9) 2-Chlorophenol	4.269	128	8328	4.68	ppm		94
10) 1,3-Dichlorobenzene	4.392	146	10205	4.99	ppm		98
11) 1,4-Dichlorobenzene	4.433	146	11267	5.13	ppm		94
12) 1,2-Dichlorobenzene	4.598	146	10040	5.08	ppm		96
13) Benzyl alcohol	4.545	108	5503	4.73	ppm		96
14) bis(2-chloroisopropyl)...	4.680	45	7232	5.00	ppm		93
15) o-cresol	4.650	108	7442m	2.19	ppm		
16) Acetophenone	4.786	105	13007	5.09	ppm		91
17) Hexachloroethane	4.868	117	4016	5.53	ppm		86
18) N-Nitroso-di-n-propyla...	4.803	70	6239	4.87	ppm		97
19) m+p-cresols	4.774	108	16834	9.89	ppm		93
20) 4-methylphenol	4.774	108	16834	9.89	ppm		93
25) Nitrobenzene	4.938	77	9860	5.08	ppm		88
26) Isophorone	5.138	82	15798	4.88	ppm		96
27) 2-Nitrophenol	5.226	139	4676	4.65	ppm		94
28) 2,4-Dimethylphenol	5.250	107	8869	4.72	ppm		93
29) bis(2-Chloroethoxy)met...	5.338	93	9452	4.73	ppm		96

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65351.D
Acq On : 1 Jul 2013 5:00 pm
Operator : kristinr
Sample : IC3031-5
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 10 06:59:17 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:14:15 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.291	105	4815	3.31	ppm		89
31) 2,4-Dichlorophenol	5.432	162	7896	4.76	ppm		97
32) 1,2,4-Trichlorobenzene	5.514	180	9201	4.91	ppm		98
33) Naphthalene	5.573	128	25634	5.08	ppm		97
34) 2,6-Dichlorophenol	5.643	162	7831	4.83	ppm		98
35) 4-Chloroaniline	5.637	127	10686	4.80	ppm		100
36) Hexachlorobutadiene	5.737	225	5914	4.78	ppm		94
37) 4-Chloro-3-methylphenol	6.072	107	7632	4.70	ppm		94
38) 2-Methylnaphthalene	6.207	142	18052	5.10	ppm		100
39) 1-Methylnaphthalene	6.307	142	17126	4.93	ppm		94
40) 1,2,4,5-Tetrachloroben...	6.401	216	10887	5.05	ppm		97
44) Pentachloronitrobenzene	8.627	237	2521	4.35	ppm		97
45) Hexachlorocyclopentadiene	6.419	237	5922	4.20	ppm		99
46) 2,4,6-Trichlorophenol	6.489	196	6306	4.77	ppm		98
47) 2,4,5-Trichlorophenol	6.524	196	6884	4.78	ppm		94
49) 2-Chloronaphthalene	6.659	162	17428	5.09	ppm		96
50) Acenaphthylene	7.053	152	27084	4.93	ppm		98
51) Dimethylphthalate	6.977	163	20609	5.05	ppm		99
52) 2,4-Dinitrotoluene	7.411	165	5243	4.27	ppm		97
53) Acenaphthene	7.229	153	17316	4.96	ppm		96
54) 2,4-Dinitrophenol	7.265	184	1935	2.97	ppm		99
55) Dibenzofuran	7.382	168	26315	5.00	ppm		98
56) 2,6-Dinitrotoluene	7.035	165	4095	4.30	ppm		78
57) 4-Nitrophenol	7.317	65	3527	4.70	ppm		81
58) 2,3,4,6-Tetrachlorophenol	7.541	232	5730	4.47	ppm		99
59) Fluorene	7.717	166	19988	4.96	ppm		99
60) 4-Chlorophenyl-phenyle...	7.717	204	11338	5.08	ppm		96
61) Diethylphthalate	7.652	149	20874	4.98	ppm		98
62) 2-nitroaniline	6.783	138	4985	4.32	ppm		98
63) 3-nitroaniline	7.171	138	4218	4.33	ppm		89
64) 4-nitroaniline	7.764	138	4265	4.35	ppm	#	72
68) 4,6-Dinitro-2-methylph...	7.811	198	2928	3.18	ppm		100
69) n-Nitrosodiphenylamine	7.834	169	14226	4.85	ppm		97
70) 1,2-Diphenylhydrazine	7.870	77	18392	4.85	ppm		98
72) 4-Bromophenyl-phenylether	8.204	248	6974	4.76	ppm		94
73) Hexachlorobenzene	8.363	284	7324	4.93	ppm		91
74) Pentachlorophenol	8.545	266	4381	3.95	ppm		96
75) Phenanthrene	8.704	178	30123	4.86	ppm		99
76) Anthracene	8.751	178	30861	4.90	ppm		99
77) Carbazole	8.927	167	27193	4.99	ppm		98
78) Di-n-butylphthalate	9.368	149	30947	4.54	ppm		98
79) Fluoranthene	9.967	202	31681	5.06	ppm		95
83) Benzidine	10.102	184	10692	4.19	ppm		97
84) Pyrene	10.184	202	32808	5.04	ppm		98
86) 3,3-Dimethylbenzidine	10.866	212	15892	4.32	ppm		100
87) Butylbenzylphthalate	10.907	149	11123	4.38	ppm		97
88) 3,3'-Dichlorobenzidine	11.447	252	10379	3.90	ppm		100
89) Benzo[a]anthracene	11.453	228	30372	4.87	ppm		95
90) Chrysene	11.500	228	30947	5.11	ppm		99
91) bis(2-Ethylhexyl)phtha...	11.582	149	13444	3.64	ppm		95

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65351.D
Acq On : 1 Jul 2013 5:00 pm
Operator : kristinr
Sample : IC3031-5
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 10 06:59:17 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:14:15 2013
Response via : Initial Calibration

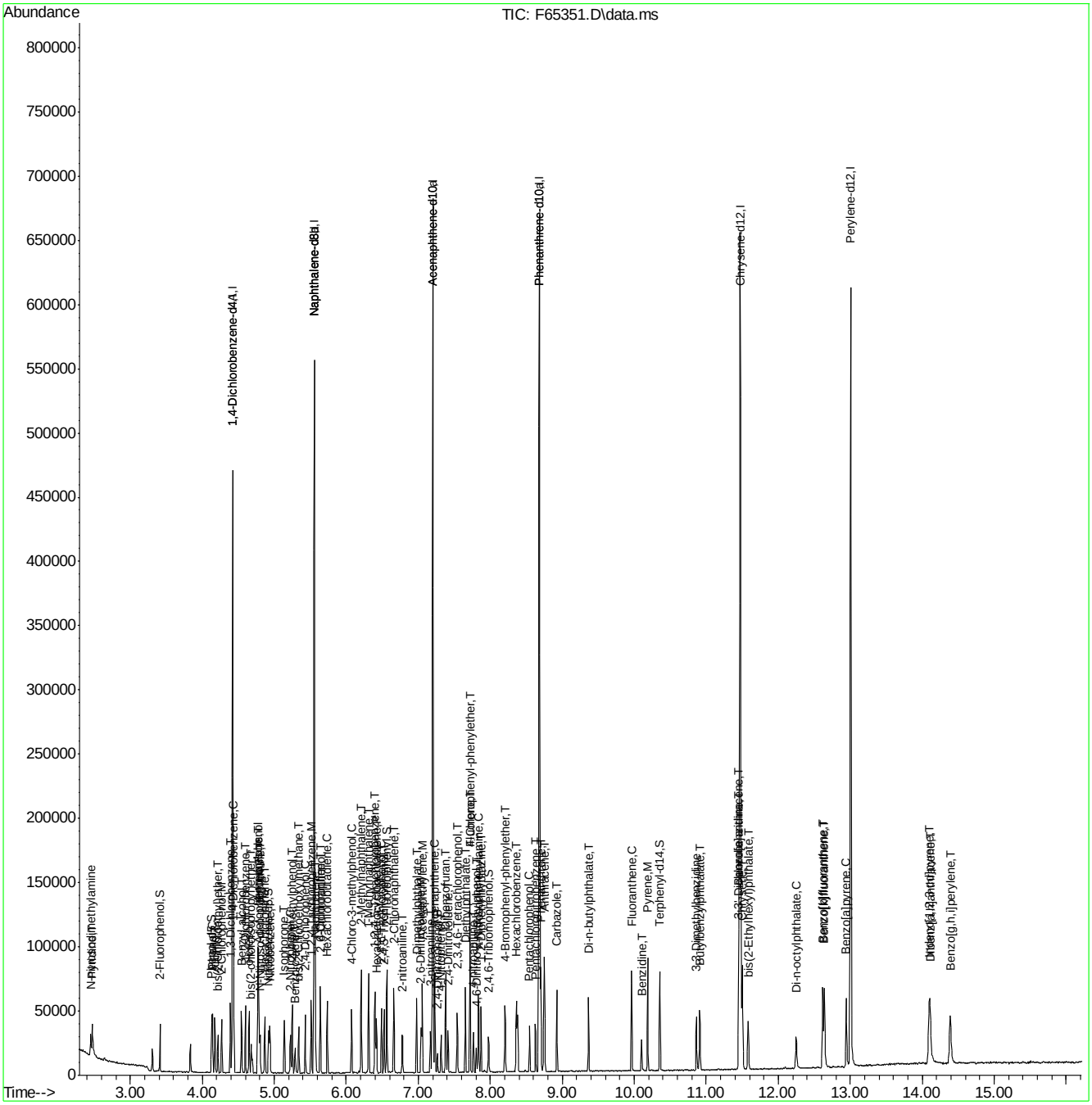
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.246	149	17928	3.10	ppm	97
94) Benzo[b]fluoranthene	12.616	252	27049	4.60	ppm	98
95) Benzo[k]fluoranthene	12.640	252	32758	4.98	ppm	98
96) Benzo[a]pyrene	12.945	252	26373	4.94	ppm	95
97) Indeno[1,2,3-cd]pyrene	14.096	276	30619	4.68	ppm	90
98) Dibenz[a,h]anthracene	14.108	278	23571	4.52	ppm	97
99) Benzo[g,h,i]perylene	14.390	276	26952	4.82	ppm	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65351.D
Acq On : 1 Jul 2013 5:00 pm
Operator : kristinr
Sample : IC3031-5
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 10 06:59:17 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:14:15 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65352.D
Acq On : 1 Jul 2013 5:24 pm
Operator : kristinr
Sample : IC3031-10
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 10 06:59:38 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:17:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.422	152	62173	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.422	152	62173	40.00	PPM		0.00
23) Naphthalene-d8	5.556	136	228985	40.00	ppm		0.00
41) Naphthalene-d8a	5.556	136	228985	40.00	ppm		0.00
43) Acenaphthene-d10	7.201	164	142777	40.00	ppm		0.00
65) Acenaphthene-d10a	7.201	164	142777	40.00	ppm		0.00
67) Phenanthrene-d10	8.681	188	256450	40.00	ppm		0.00
80) Phenanthrene-d10a	8.681	188	256450	40.00	ppm		0.00
82) Chrysene-d12	11.472	240	264343	40.00	ppm		0.00
92) Perylene-d12	13.005	264	240886	40.00	ppm		0.00
100) Naphthalene-d8b	5.556	136	228985	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.412	112	17886	9.81	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 9.81%#				
7) Phenol-d5	4.129	99	22134	9.50	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 9.50%#				
24) Nitrobenzene-d5	4.922	82	20774	9.88	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 19.76%#				
48) 2-Fluorobiphenyl	6.567	172	47300	9.88	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 19.76%#				
71) 2,4,6-Tribromophenol	7.982	330	7627	9.62	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 9.62%#				
85) Terphenyl-d14	10.356	244	55638	10.11	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 20.22%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.449	74	11826	9.90	ug/l		93
3) Pyridine	2.466	79	21580	10.06	ppm		92
4) Aniline	4.176	93	27468	10.01	ppm	#	1
6) bis(2-Chloroethyl)ether	4.217	63	12436	9.88	ppm		91
8) Phenol	4.140	94	23006	10.00	ppm		97
9) 2-Chlorophenol	4.270	128	19051	9.97	ppm		99
10) 1,3-Dichlorobenzene	4.393	146	22722	10.14	ppm		97
11) 1,4-Dichlorobenzene	4.434	146	23550	9.70	ppm		96
12) 1,2-Dichlorobenzene	4.599	146	20793	9.54	ppm		99
13) Benzyl alcohol	4.546	108	12054	9.71	ppm		94
14) bis(2-chloroisopropyl)...	4.681	45	15391	9.71	ppm		96
15) o-cresol	4.651	108	16539m	4.45	ppm		
16) Acetophenone	4.787	105	27432	9.73	ppm		97
17) Hexachloroethane	4.869	117	8333	10.11	ppm		75
18) N-Nitroso-di-n-propyla...	4.798	70	13332	9.58	ppm		94
19) m+p-cresols	4.775	108	36879	19.83	ppm		94
20) 4-methylphenol	4.775	108	36879	19.83	ppm		94
25) Nitrobenzene	4.939	77	21250	9.93	ppm		94
26) Isophorone	5.139	82	35275	10.02	ppm		97
27) 2-Nitrophenol	5.227	139	10181	9.57	ppm		96
28) 2,4-Dimethylphenol	5.251	107	19919	9.94	ppm		92
29) bis(2-Chloroethoxy)met...	5.339	93	20310	9.52	ppm		99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65352.D
Acq On : 1 Jul 2013 5:24 pm
Operator : kristinr
Sample : IC3031-10
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 10 06:59:38 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:17:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.304	105	12430	7.78	ppm	92
31) 2,4-Dichlorophenol	5.433	162	16870	9.50	ppm	96
32) 1,2,4-Trichlorobenzene	5.515	180	19844	9.71	ppm	98
33) Naphthalene	5.574	128	56656	10.19	ppm	97
34) 2,6-Dichlorophenol	5.644	162	17316	9.90	ppm	100
35) 4-Chloroaniline	5.633	127	23785	9.94	ppm	100
36) Hexachlorobutadiene	5.738	225	12872	9.62	ppm	97
37) 4-Chloro-3-methylphenol	6.073	107	16916	9.79	ppm	93
38) 2-Methylnaphthalene	6.208	142	38464	9.84	ppm	99
39) 1-Methylnaphthalene	6.308	142	37841	9.97	ppm	95
40) 1,2,4,5-Tetrachloroben...	6.402	216	24048	10.14	ppm	100
44) Pentachloronitrobenzene	8.628	237	6061	9.47	ppm	96
45) Hexachlorocyclopentadiene	6.420	237	13570	9.47	ppm	96
46) 2,4,6-Trichlorophenol	6.490	196	13915	9.76	ppm	95
47) 2,4,5-Trichlorophenol	6.525	196	14530	9.35	ppm	96
49) 2-Chloronaphthalene	6.661	162	37676	9.91	ppm	95
50) Acenaphthylene	7.054	152	60323	9.99	ppm	98
51) Dimethylphthalate	6.978	163	44698	9.89	ppm	99
52) 2,4-Dinitrotoluene	7.412	165	12106	9.64	ppm	98
53) Acenaphthene	7.230	153	37771	9.82	ppm	95
54) 2,4-Dinitrophenol	7.266	184	5082	7.07	ppm	97
55) Dibenzofuran	7.383	168	57681	9.93	ppm	99
56) 2,6-Dinitrotoluene	7.037	165	9454	9.67	ppm	78
57) 4-Nitrophenol	7.318	65	7682	9.26	ppm	86
58) 2,3,4,6-Tetrachlorophenol	7.542	232	13144	9.81	ppm	97
59) Fluorene	7.718	166	43523	9.81	ppm	96
60) 4-Chlorophenyl-phenyle...	7.718	204	23944	9.67	ppm	96
61) Diethylphthalate	7.653	149	43636	9.45	ppm	98
62) 2-nitroaniline	6.784	138	11493	9.68	ppm	97
63) 3-nitroaniline	7.172	138	9528	8.86	ppm	88
64) 4-nitroaniline	7.771	138	9740	9.01	ppm	94
68) 4,6-Dinitro-2-methylph...	7.812	198	7339	7.46	ppm	100
69) n-Nitrosodiphenylamine	7.835	169	31880	10.28	ppm	97
70) 1,2-Diphenylhydrazine	7.871	77	41057	10.25	ppm	97
72) 4-Bromophenyl-phenylether	8.206	248	15381	9.99	ppm	96
73) Hexachlorobenzene	8.364	284	15928	10.10	ppm	93
74) Pentachlorophenol	8.546	266	10182	8.61	ppm	97
75) Phenanthrene	8.705	178	66366	10.12	ppm	99
76) Anthracene	8.752	178	67812	10.15	ppm	99
77) Carbazole	8.928	167	59139	10.17	ppm	97
78) Di-n-butylphthalate	9.363	149	67332	9.70	ppm	98
79) Fluoranthene	9.968	202	68737	10.24	ppm	95
83) Benzidine	10.097	184	24632	9.75	ppm	96
84) Pyrene	10.185	202	72622	10.32	ppm	99
86) 3,3-Dimethylbenzidine	10.867	212	36859	9.97	ppm	100
87) Butylbenzylphthalate	10.908	149	24976	9.72	ppm	95
88) 3,3'-Dichlorobenzidine	11.448	252	24668	9.66	ppm	99
89) Benzo[a]anthracene	11.454	228	66924	10.05	ppm	98
90) Chrysene	11.501	228	65543	9.97	ppm	98
91) bis(2-Ethylhexyl)phtha...	11.577	149	32971	9.58	ppm	99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65352.D
Acq On : 1 Jul 2013 5:24 pm
Operator : kristinr
Sample : IC3031-10
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 10 06:59:38 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:17:24 2013
Response via : Initial Calibration

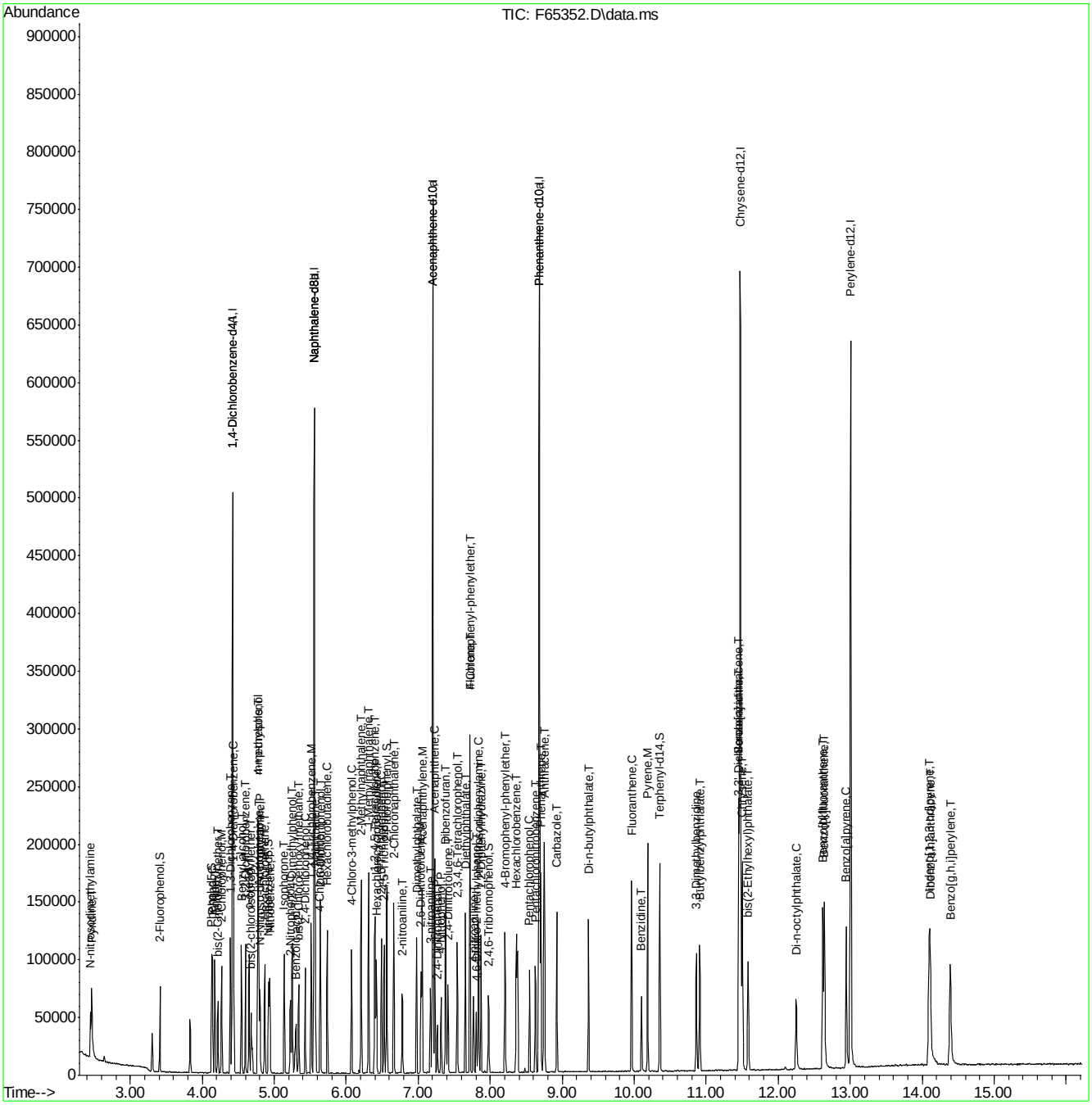
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.247	149	43994	8.95	ppm	100
94) Benzo[b]fluoranthene	12.617	252	60386	10.06	ppm	98
95) Benzo[k]fluoranthene	12.641	252	71204	10.34	ppm	99
96) Benzo[a]pyrene	12.946	252	56417	10.11	ppm	96
97) Indeno[1,2,3-cd]pyrene	14.098	276	68847	10.25	ppm	87
98) Dibenz[a,h]anthracene	14.109	278	54576	10.31	ppm	98
99) Benzo[g,h,i]perylene	14.391	276	59333	10.24	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65352.D
Acq On : 1 Jul 2013 5:24 pm
Operator : kristinr
Sample : IC3031-10
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 10 06:59:38 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:17:24 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65353.D
Acq On : 1 Jul 2013 5:48 pm
Operator : kristinr
Sample : IC3031-20
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 10 07:00:02 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:31:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.424	152	53472	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.424	152	53472	40.00	PPM		0.00
23) Naphthalene-d8	5.552	136	194359	40.00	ppm		0.00
41) Naphthalene-d8a	5.552	136	194359	40.00	ppm		0.00
43) Acenaphthene-d10	7.203	164	123125	40.00	ppm		0.00
65) Acenaphthene-d10a	7.203	164	123125	40.00	ppm		0.00
67) Phenanthrene-d10	8.677	188	224146	40.00	ppm		0.00
80) Phenanthrene-d10a	8.677	188	224146	40.00	ppm		0.00
82) Chrysene-d12	11.473	240	229502	40.00	ppm		0.00
92) Perylene-d12	13.007	264	212675	40.00	ppm		0.00
100) Naphthalene-d8b	5.552	136	194359	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.408	112	31114	19.94	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 19.94%#				
7) Phenol-d5	4.130	99	40325	20.37	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 20.37%#				
24) Nitrobenzene-d5	4.923	82	36690	20.62	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 41.24%				
48) 2-Fluorobiphenyl	6.562	172	83299	20.24	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 40.48%				
71) 2,4,6-Tribromophenol	7.978	330	13835	20.22	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 20.22%#				
85) Terphenyl-d14	10.357	244	100471	20.96	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 41.92%				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.450	74	21214	20.72	ug/l		96
3) Pyridine	2.462	79	37770	20.43	ppm		95
4) Aniline	4.177	93	47710	20.20	ppm	#	1
6) bis(2-Chloroethyl)ether	4.213	63	21534	19.95	ppm		85
8) Phenol	4.142	94	41075	20.75	ppm		97
9) 2-Chlorophenol	4.271	128	33424	20.36	ppm		99
10) 1,3-Dichlorobenzene	4.395	146	38812	20.06	ppm		98
11) 1,4-Dichlorobenzene	4.436	146	41477	20.01	ppm		96
12) 1,2-Dichlorobenzene	4.600	146	37469	20.22	ppm		99
13) Benzyl alcohol	4.547	108	21813	20.63	ppm		97
14) bis(2-chloroisopropyl)...	4.682	45	27113	20.03	ppm		97
15) o-cresol	4.647	108	29757m	9.32	ppm		
16) Acetophenone	4.782	105	47572	19.76	ppm		92
17) Hexachloroethane	4.865	117	14870	20.91	ppm		93
18) N-Nitroso-di-n-propyla...	4.800	70	24337	20.55	ppm		95
19) m+p-cresols	4.776	108	64031	40.12	ppm		95
20) 4-methylphenol	4.776	108	64031	40.12	ppm		95
25) Nitrobenzene	4.941	77	37369	20.61	ppm		97
26) Isophorone	5.141	82	61893	20.70	ppm		98
27) 2-Nitrophenol	5.223	139	18485	20.77	ppm		89
28) 2,4-Dimethylphenol	5.246	107	35335	20.82	ppm		88
29) bis(2-Chloroethoxy)met...	5.340	93	36031	20.23	ppm		99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65353.D
Acq On : 1 Jul 2013 5:48 pm
Operator : kristinr
Sample : IC3031-20
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 10 07:00:02 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:31:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.311	105	24193	20.07	ppm	94
31) 2,4-Dichlorophenol	5.429	162	30316	20.46	ppm	96
32) 1,2,4-Trichlorobenzene	5.517	180	35389	20.56	ppm	98
33) Naphthalene	5.570	128	99464	20.97	ppm	97
34) 2,6-Dichlorophenol	5.646	162	30553	20.65	ppm	98
35) 4-Chloroaniline	5.634	127	41654	20.55	ppm	100
36) Hexachlorobutadiene	5.740	225	22941	20.40	ppm	100
37) 4-Chloro-3-methylphenol	6.075	107	30013	20.61	ppm	98
38) 2-Methylnaphthalene	6.210	142	67515	20.43	ppm	95
39) 1-Methylnaphthalene	6.310	142	65942	20.49	ppm	96
40) 1,2,4,5-Tetrachloroben...	6.398	216	41287	20.44	ppm	99
44) Pentachloronitrobenzene	8.630	237	10857	20.20	ppm	95
45) Hexachlorocyclopentadiene	6.421	237	25001	20.60	ppm	98
46) 2,4,6-Trichlorophenol	6.492	196	25827	21.17	ppm	99
47) 2,4,5-Trichlorophenol	6.527	196	27046	20.63	ppm	99
49) 2-Chloronaphthalene	6.662	162	67821	20.73	ppm	97
50) Acenaphthylene	7.056	152	106515	20.46	ppm	99
51) Dimethylphthalate	6.973	163	79221	20.38	ppm	99
52) 2,4-Dinitrotoluene	7.414	165	22688	21.20	ppm	97
53) Acenaphthene	7.232	153	68825	20.84	ppm	98
54) 2,4-Dinitrophenol	7.267	184	10289	16.59	ppm	96
55) Dibenzofuran	7.385	168	101880	20.38	ppm	98
56) 2,6-Dinitrotoluene	7.038	165	17570	21.07	ppm	72
57) 4-Nitrophenol	7.320	65	14439	20.96	ppm	91
58) 2,3,4,6-Tetrachlorophenol	7.543	232	23834	20.76	ppm	100
59) Fluorene	7.720	166	78660	20.66	ppm	98
60) 4-Chlorophenyl-phenyle...	7.714	204	43284	20.44	ppm	93
61) Diethylphthalate	7.655	149	76344	19.43	ppm	99
62) 2-nitroaniline	6.780	138	21264	20.99	ppm	89
63) 3-nitroaniline	7.173	138	18297	20.92	ppm	96
64) 4-nitroaniline	7.767	138	18482	20.85	ppm	81
68) 4,6-Dinitro-2-methylph...	7.808	198	15365	20.47	ppm	100
69) n-Nitrosodiphenylamine	7.837	169	57139	20.93	ppm	97
70) 1,2-Diphenylhydrazine	7.872	77	72490	20.58	ppm	95
72) 4-Bromophenyl-phenylether	8.207	248	26957	20.04	ppm	95
73) Hexachlorobenzene	8.366	284	28419	20.56	ppm	89
74) Pentachlorophenol	8.548	266	19044	19.80	ppm	98
75) Phenanthrene	8.706	178	118288	20.58	ppm	99
76) Anthracene	8.753	178	122953	20.98	ppm	99
77) Carbazole	8.924	167	107571	21.07	ppm	98
78) Di-n-butylphthalate	9.364	149	122995	20.48	ppm	99
79) Fluoranthene	9.964	202	123764	20.97	ppm	98
83) Benzidine	10.099	184	48017	22.07	ppm	97
84) Pyrene	10.187	202	129810	21.08	ppm	99
86) 3,3-Dimethylbenzidine	10.868	212	69089	21.55	ppm	100
87) Butylbenzylphthalate	10.909	149	47298	21.41	ppm	98
88) 3,3'-Dichlorobenzidine	11.450	252	46745	21.33	ppm	99
89) Benzo[a]anthracene	11.456	228	119775	20.69	ppm	96
90) Chrysene	11.503	228	119941	21.03	ppm	100
91) bis(2-Ethylhexyl)phtha...	11.579	149	62631	21.26	ppm	97

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65353.D
Acq On : 1 Jul 2013 5:48 pm
Operator : kristinr
Sample : IC3031-20
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 10 07:00:02 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:31:37 2013
Response via : Initial Calibration

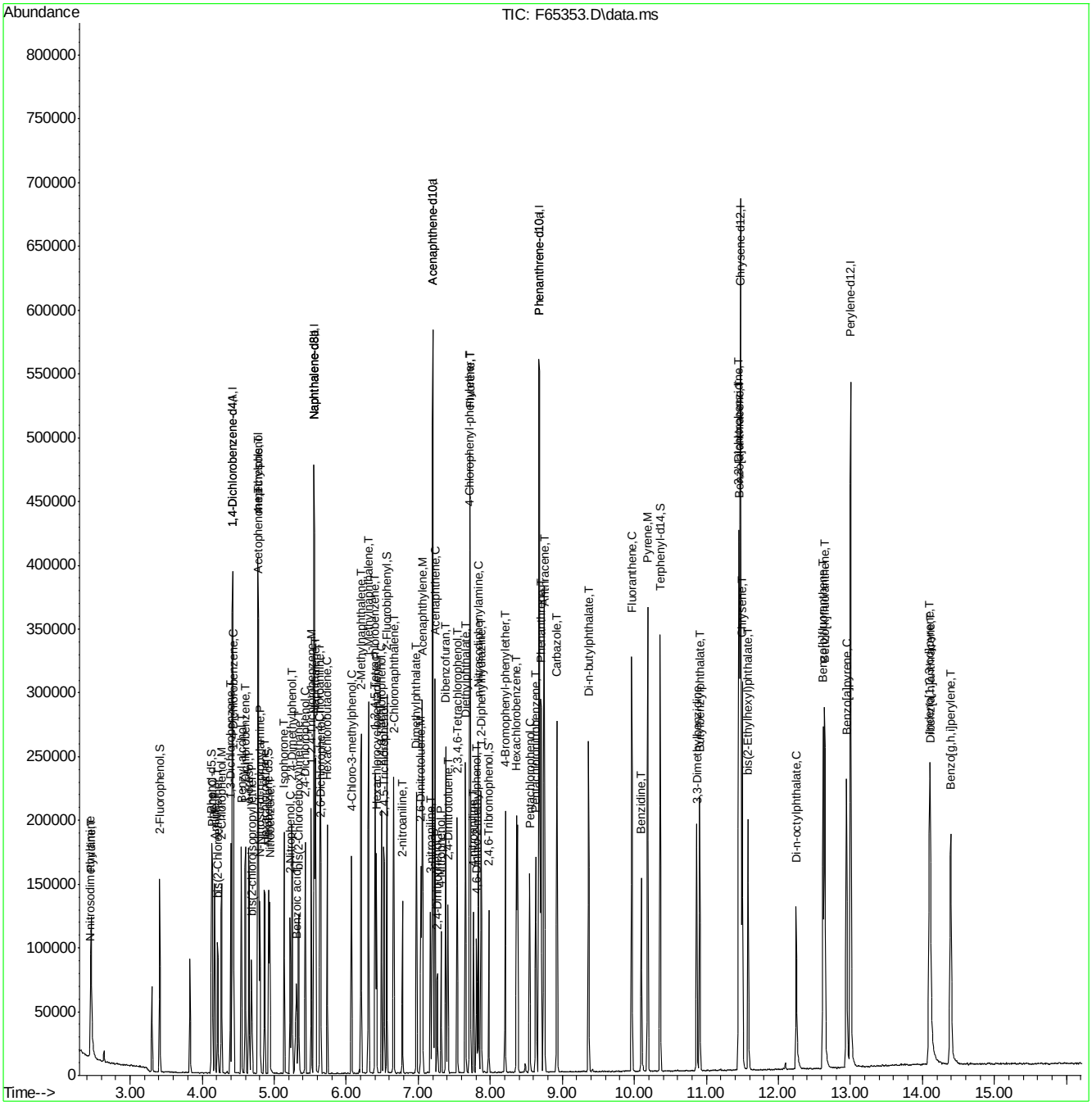
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.249	149	88090	21.03	ppm	98
94) Benzo[b]fluoranthene	12.619	252	116402	21.93	ppm	98
95) Benzo[k]fluoranthene	12.642	252	132465	21.60	ppm	97
96) Benzo[a]pyrene	12.948	252	114478	23.18	ppm	96
97) Indeno[1,2,3-cd]pyrene	14.099	276	133022	22.29	ppm	85
98) Dibenz[a,h]anthracene	14.111	278	107342	22.80	ppm	98
99) Benzo[g,h,i]perylene	14.393	276	115710	22.49	ppm	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65353.D
Acq On : 1 Jul 2013 5:48 pm
Operator : kristinr
Sample : IC3031-20
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 10 07:00:02 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:31:37 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65354.D
Acq On : 1 Jul 2013 6:12 pm
Operator : kristinr
Sample : IC3031-80
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 10 07:00:24 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:34:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.420	152	58307	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.420	152	58307	40.00	PPM	0.00
23) Naphthalene-d8	5.554	136	215255	40.00	ppm	0.00
41) Naphthalene-d8a	5.554	136	215255	40.00	ppm	0.00
43) Acenaphthene-d10	7.204	164	130299	40.00	ppm	0.00
65) Acenaphthene-d10a	7.204	164	130299	40.00	ppm	0.00
67) Phenanthrene-d10	8.685	188	237464	40.00	ppm	0.00
80) Phenanthrene-d10a	8.685	188	237464	40.00	ppm	0.00
82) Chrysene-d12	11.475	240	245359	40.00	ppm	0.00
92) Perylene-d12	13.008	264	230879	40.00	ppm	0.00
100) Naphthalene-d8b	5.554	136	216227m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.410	112	133550	78.54	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 78.54%			
7) Phenol-d5	4.138	99	170258	78.59	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 78.59%			
24) Nitrobenzene-d5	4.925	82	161374	81.39	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 162.78%#			
48) 2-Fluorobiphenyl	6.564	172	349857	80.15	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 160.30%#			
71) 2,4,6-Tribromophenol	7.980	330	61721	84.92	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 84.92%			
85) Terphenyl-d14	10.359	244	415631	80.35	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 160.70%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.446	74	88670	78.72	ug/l	93
3) Pyridine	2.458	79	160955	79.41	ppm	90
4) Aniline	4.179	93	200226	77.60	ppm #	1
6) bis(2-Chloroethyl)ether	4.220	63	93203	79.24	ppm	93
8) Phenol	4.144	94	172540	79.35	ppm	95
9) 2-Chlorophenol	4.273	128	142841	79.50	ppm	100
10) 1,3-Dichlorobenzene	4.396	146	166216	78.75	ppm	99
11) 1,4-Dichlorobenzene	4.438	146	176375	78.02	ppm	97
12) 1,2-Dichlorobenzene	4.596	146	159920	78.98	ppm	98
13) Benzyl alcohol	4.549	108	93910	80.82	ppm	93
14) bis(2-chloroisopropyl)...	4.684	45	113484	76.86	ppm	97
15) o-cresol	4.655	108	126181m	36.23	ppm	
16) Acetophenone	4.790	105	209111	79.84	ppm	98
17) Hexachloroethane	4.866	117	62679	80.11	ppm	86
18) N-Nitroso-di-n-propyla...	4.808	70	104609	80.55	ppm	96
19) m+p-cresols	4.784	108	278325	159.84	ppm	95
20) 4-methylphenol	4.784	108	278325	159.84	ppm	95
25) Nitrobenzene	4.943	77	158214	78.30	ppm	93
26) Isophorone	5.143	82	268977	80.66	ppm	98
27) 2-Nitrophenol	5.225	139	82224	82.62	ppm	90
28) 2,4-Dimethylphenol	5.254	107	151942	80.00	ppm	95
29) bis(2-Chloroethoxy)met...	5.342	93	159153	80.45	ppm	100

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65354.D
Acq On : 1 Jul 2013 6:12 pm
Operator : kristinr
Sample : IC3031-80
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 10 07:00:24 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:34:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.354	105	118927	88.97	ppm		94
31) 2,4-Dichlorophenol	5.436	162	132363	80.19	ppm		99
32) 1,2,4-Trichlorobenzene	5.519	180	149746	78.11	ppm		98
33) Naphthalene	5.577	128	416500	78.53	ppm		97
34) 2,6-Dichlorophenol	5.648	162	131757	79.77	ppm		98
35) 4-Chloroaniline	5.636	127	181664	80.36	ppm		100
36) Hexachlorobutadiene	5.736	225	99310	79.41	ppm		98
37) 4-Chloro-3-methylphenol	6.077	107	133651	82.25	ppm		96
38) 2-Methylnaphthalene	6.206	142	286838	78.04	ppm		98
39) 1-Methylnaphthalene	6.312	142	274678	76.69	ppm		96
40) 1,2,4,5-Tetrachloroben...	6.400	216	176249	78.44	ppm		97
44) Pentachloronitrobenzene	8.638	237	47585	83.39	ppm		97
45) Hexachlorocyclopentadiene	6.423	237	117577	90.87	ppm		99
46) 2,4,6-Trichlorophenol	6.494	196	111068	84.80	ppm		99
47) 2,4,5-Trichlorophenol	6.529	196	117138	83.76	ppm		98
49) 2-Chloronaphthalene	6.664	162	288124	82.61	ppm		97
50) Acenaphthylene	7.058	152	455479	82.28	ppm		98
51) Dimethylphthalate	6.981	163	330579	80.04	ppm		99
52) 2,4-Dinitrotoluene	7.416	165	100242	87.21	ppm		99
53) Acenaphthene	7.234	153	285357	80.98	ppm		98
54) 2,4-Dinitrophenol	7.269	184	54816	91.31	ppm		94
55) Dibenzofuran	7.387	168	430597	81.07	ppm		99
56) 2,6-Dinitrotoluene	7.046	165	77693	86.89	ppm	#	63
57) 4-Nitrophenol	7.322	65	63022	85.09	ppm		86
58) 2,3,4,6-Tetrachlorophenol	7.545	232	104522	85.21	ppm		98
59) Fluorene	7.721	166	337152	83.13	ppm		99
60) 4-Chlorophenyl-phenyle...	7.716	204	186620	82.91	ppm		94
61) Diethylphthalate	7.663	149	317780	76.88	ppm		98
62) 2-nitroaniline	6.787	138	94092	86.69	ppm		98
63) 3-nitroaniline	7.175	138	78943	84.01	ppm		89
64) 4-nitroaniline	7.780	138	79537	83.61	ppm		91
68) 4,6-Dinitro-2-methylph...	7.815	198	73484	91.68	ppm		100
69) n-Nitrosodiphenylamine	7.845	169	240629	82.44	ppm		97
70) 1,2-Diphenylhydrazine	7.874	77	304261	81.05	ppm		97
72) 4-Bromophenyl-phenylether	8.209	248	116619	81.80	ppm		95
73) Hexachlorobenzene	8.368	284	122082	82.90	ppm		91
74) Pentachlorophenol	8.550	266	88141	86.78	ppm		100
75) Phenanthrene	8.708	178	486954	79.51	ppm		99
76) Anthracene	8.755	178	516553	82.38	ppm		100
77) Carbazole	8.932	167	453738	83.01	ppm		98
78) Di-n-butylphthalate	9.366	149	533337	83.32	ppm		99
79) Fluoranthene	9.971	202	519522	82.28	ppm		97
83) Benzidine	10.101	184	200350	83.97	ppm		96
84) Pyrene	10.189	202	541648	81.41	ppm		96
86) 3,3-Dimethylbenzidine	10.870	212	284702	81.49	ppm		100
87) Butylbenzylphthalate	10.911	149	205811	85.62	ppm		97
88) 3,3'-Dichlorobenzidine	11.452	252	216487	90.88	ppm		99
89) Benzo[a]anthracene	11.458	228	507419	81.44	ppm		97
90) Chrysene	11.505	228	492439	79.93	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.581	149	292469	91.43	ppm		98

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65354.D
Acq On : 1 Jul 2013 6:12 pm
Operator : kristinr
Sample : IC3031-80
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 10 07:00:24 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:34:17 2013
Response via : Initial Calibration

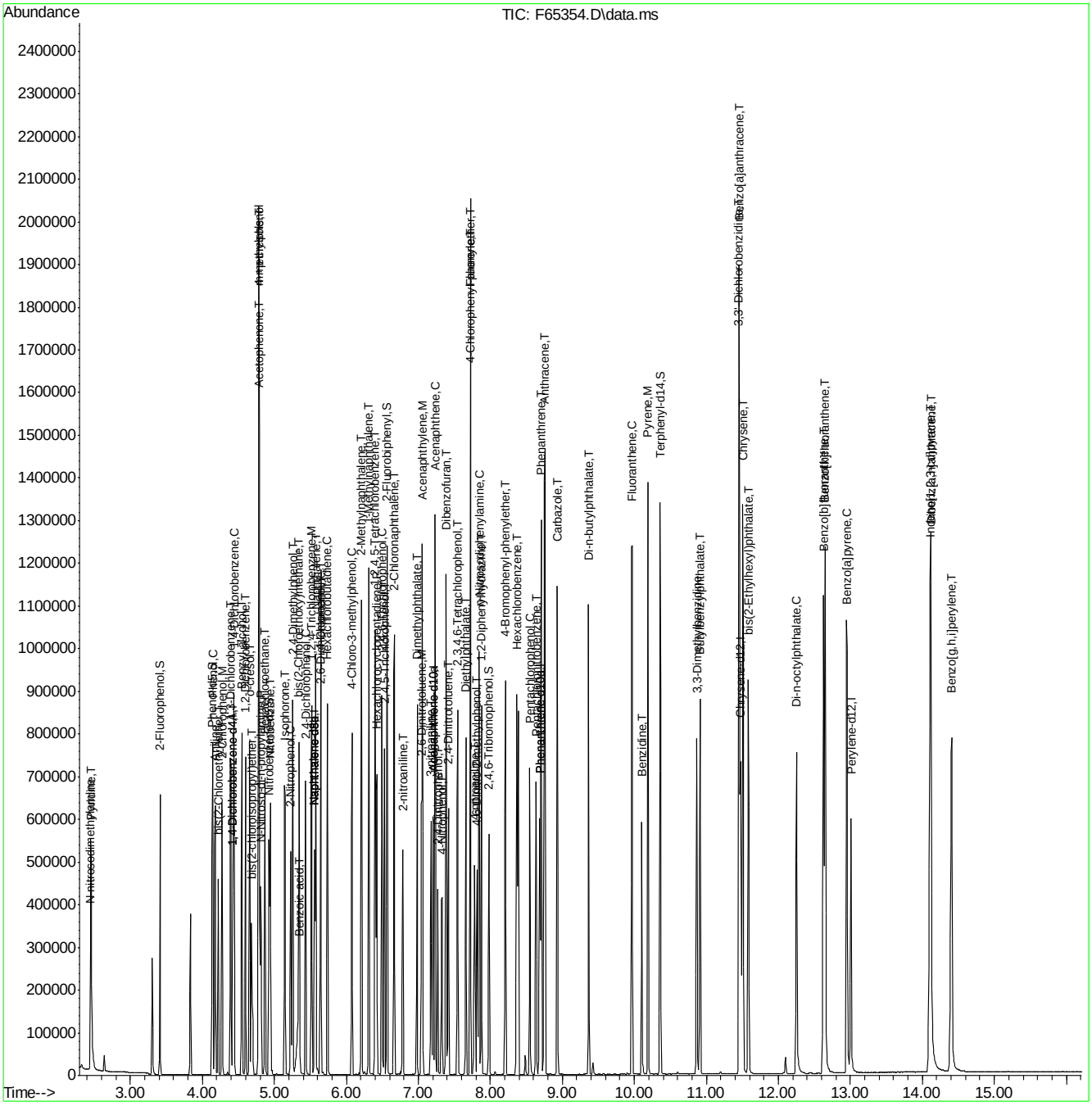
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.251	149	447497	97.16	ppm	100
94) Benzo[b]fluoranthene	12.627	252	529863	90.22	ppm	98
95) Benzo[k]fluoranthene	12.650	252	534636	79.04	ppm	98
96) Benzo[a]pyrene	12.956	252	494513	89.38	ppm	95
97) Indeno[1,2,3-cd]pyrene	14.107	276	618045	93.27	ppm	89
98) Dibenz[a,h]anthracene	14.119	278	496330	94.45	ppm	99
99) Benzo[g,h,i]perylene	14.406	276	514044	89.80	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65354.D
Acq On : 1 Jul 2013 6:12 pm
Operator : kristinr
Sample : IC3031-80
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 10 07:00:24 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:34:17 2013
Response via : Initial Calibration



F65355.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65355.D
Acq On : 1 Jul 2013 6:36 pm
Operator : kristinr
Sample : IC3031-120
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 10 07:00:53 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:35:40 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.420	152	59845	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.420	152	59845	40.00	PPM		0.00
23) Naphthalene-d8	5.560	136	212721	40.00	ppm		0.00
41) Naphthalene-d8a	5.560	136	212721	40.00	ppm		0.00
43) Acenaphthene-d10	7.205	164	130307	40.00	ppm		0.00
65) Acenaphthene-d10a	7.205	164	130307	40.00	ppm		0.00
67) Phenanthrene-d10	8.685	188	226647	40.00	ppm		0.00
80) Phenanthrene-d10a	8.685	188	226647	40.00	ppm		0.00
82) Chrysene-d12	11.481	240	221389	40.00	ppm		0.00
92) Perylene-d12	13.009	264	210724	40.00	ppm		0.00
100) Naphthalene-d8b	5.560	136	212721	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.410	112	209096	120.17	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 120.17%				
7) Phenol-d5	4.138	99	262531	118.42	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 118.42%				
24) Nitrobenzene-d5	4.925	82	246450	125.42	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 250.84%#				
48) 2-Fluorobiphenyl	6.570	172	532269	121.89	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 243.78%#				
71) 2,4,6-Tribromophenol	7.986	330	94204	134.14	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 134.14%#				
85) Terphenyl-d14	10.359	244	592084	126.76	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 253.52%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.446	74	139003	120.62	ug/l		92
3) Pyridine	2.452	79	248653	119.70	ppm		96
4) Aniline	4.179	93	311261	118.13	ppm	#	1
6) bis(2-Chloroethyl)ether	4.221	63	144249	119.68	ppm		91
8) Phenol	4.150	94	270190	121.23	ppm		98
9) 2-Chlorophenol	4.273	128	224779	122.02	ppm		100
10) 1,3-Dichlorobenzene	4.397	146	259358	120.04	ppm		99
11) 1,4-Dichlorobenzene	4.438	146	274237	118.68	ppm		98
12) 1,2-Dichlorobenzene	4.602	146	248182	119.67	ppm		99
13) Benzyl alcohol	4.550	108	145598	121.84	ppm		93
14) bis(2-chloroisopropyl)...	4.685	45	175506	116.57	ppm		97
15) o-cresol	4.655	108	194451m	54.41	ppm		
16) Acetophenone	4.790	105	318263	118.43	ppm		90
17) Hexachloroethane	4.867	117	98049	122.07	ppm		87
18) N-Nitroso-di-n-propyla...	4.814	70	160903	120.57	ppm		95
19) m+p-cresols	4.790	108	432475	242.02	ppm		99
20) 4-methylphenol	4.790	108	432475	242.02	ppm		99
25) Nitrobenzene	4.943	77	245803	123.53	ppm		92
26) Isophorone	5.149	82	403344	122.22	ppm		98
27) 2-Nitrophenol	5.231	139	127281	128.58	ppm		98
28) 2,4-Dimethylphenol	5.254	107	231177	123.17	ppm		94
29) bis(2-Chloroethoxy)met...	5.343	93	241531	123.40	ppm		99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65355.D
Acq On : 1 Jul 2013 6:36 pm
Operator : kristinr
Sample : IC3031-120
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 10 07:00:53 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:35:40 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.366	105	183901	135.42	ppm	94
31) 2,4-Dichlorophenol	5.437	162	202497	124.08	ppm	98
32) 1,2,4-Trichlorobenzene	5.519	180	235455	124.77	ppm	98
33) Naphthalene	5.578	128	634658	121.46	ppm	97
34) 2,6-Dichlorophenol	5.648	162	202555	124.17	ppm	99
35) 4-Chloroaniline	5.642	127	277580	124.14	ppm	100
36) Hexachlorobutadiene	5.742	225	152513	123.55	ppm	97
37) 4-Chloro-3-methylphenol	6.077	107	199914	123.79	ppm	95
38) 2-Methylnaphthalene	6.212	142	440286	121.71	ppm	98
39) 1-Methylnaphthalene	6.312	142	428325	121.85	ppm	97
40) 1,2,4,5-Tetrachloroben...	6.406	216	266273	120.30	ppm	100
44) Pentachloronitrobenzene	8.638	237	70460	122.17	ppm	97
45) Hexachlorocyclopentadiene	6.423	237	183841	138.31	ppm	99
46) 2,4,6-Trichlorophenol	6.494	196	166730	125.78	ppm	99
47) 2,4,5-Trichlorophenol	6.529	196	177178	125.51	ppm	98
49) 2-Chloronaphthalene	6.664	162	431309	122.99	ppm	97
50) Acenaphthylene	7.058	152	682414	122.69	ppm	98
51) Dimethylphthalate	6.981	163	501693	121.46	ppm	100
52) 2,4-Dinitrotoluene	7.422	165	147586	126.12	ppm	91
53) Acenaphthene	7.234	153	428250	121.28	ppm	98
54) 2,4-Dinitrophenol	7.269	184	84398	134.25	ppm	92
55) Dibenzofuran	7.387	168	631725	118.67	ppm	99
56) 2,6-Dinitrotoluene	7.046	165	118195	129.94	ppm	69
57) 4-Nitrophenol	7.328	65	92901	123.46	ppm	89
58) 2,3,4,6-Tetrachlorophenol	7.545	232	157993	127.13	ppm	99
59) Fluorene	7.728	166	497126	121.78	ppm	99
60) 4-Chlorophenyl-phenyle...	7.722	204	276047	121.90	ppm	99
61) Diethylphthalate	7.663	149	471338	114.76	ppm	99
62) 2-nitroaniline	6.788	138	140961	127.73	ppm	95
63) 3-nitroaniline	7.181	138	116810	122.76	ppm	95
64) 4-nitroaniline	7.786	138	114629	119.15	ppm	89
68) 4,6-Dinitro-2-methylph...	7.822	198	109676	138.31	ppm	100
69) n-Nitrosodiphenylamine	7.845	169	360363	128.70	ppm	97
70) 1,2-Diphenylhydrazine	7.880	77	447512	124.63	ppm	99
72) 4-Bromophenyl-phenylether	8.209	248	172649	126.41	ppm	94
73) Hexachlorobenzene	8.368	284	180268	127.49	ppm	92
74) Pentachlorophenol	8.550	266	129084	130.39	ppm	96
75) Phenanthrene	8.709	178	701593	120.15	ppm	99
76) Anthracene	8.761	178	755636	125.64	ppm	100
77) Carbazole	8.932	167	651999	124.19	ppm	98
78) Di-n-butylphthalate	9.367	149	770283	125.04	ppm	99
79) Fluoranthene	9.972	202	743397	122.77	ppm	100
83) Benzidine	10.101	184	277894	127.81	ppm	97
84) Pyrene	10.195	202	762177	126.58	ppm	100
86) 3,3-Dimethylbenzidine	10.870	212	397023	125.48	ppm	100
87) Butylbenzylphthalate	10.911	149	292985	133.21	ppm	95
88) 3,3'-Dichlorobenzidine	11.458	252	300906	136.29	ppm	97
89) Benzo[a]anthracene	11.464	228	710527	126.00	ppm	98
90) Chrysene	11.511	228	672927	121.08	ppm	98
91) bis(2-Ethylhexyl)phtha...	11.581	149	414540	139.64	ppm	99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65355.D
Acq On : 1 Jul 2013 6:36 pm
Operator : kristinr
Sample : IC3031-120
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 10 07:00:53 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:35:40 2013
Response via : Initial Calibration

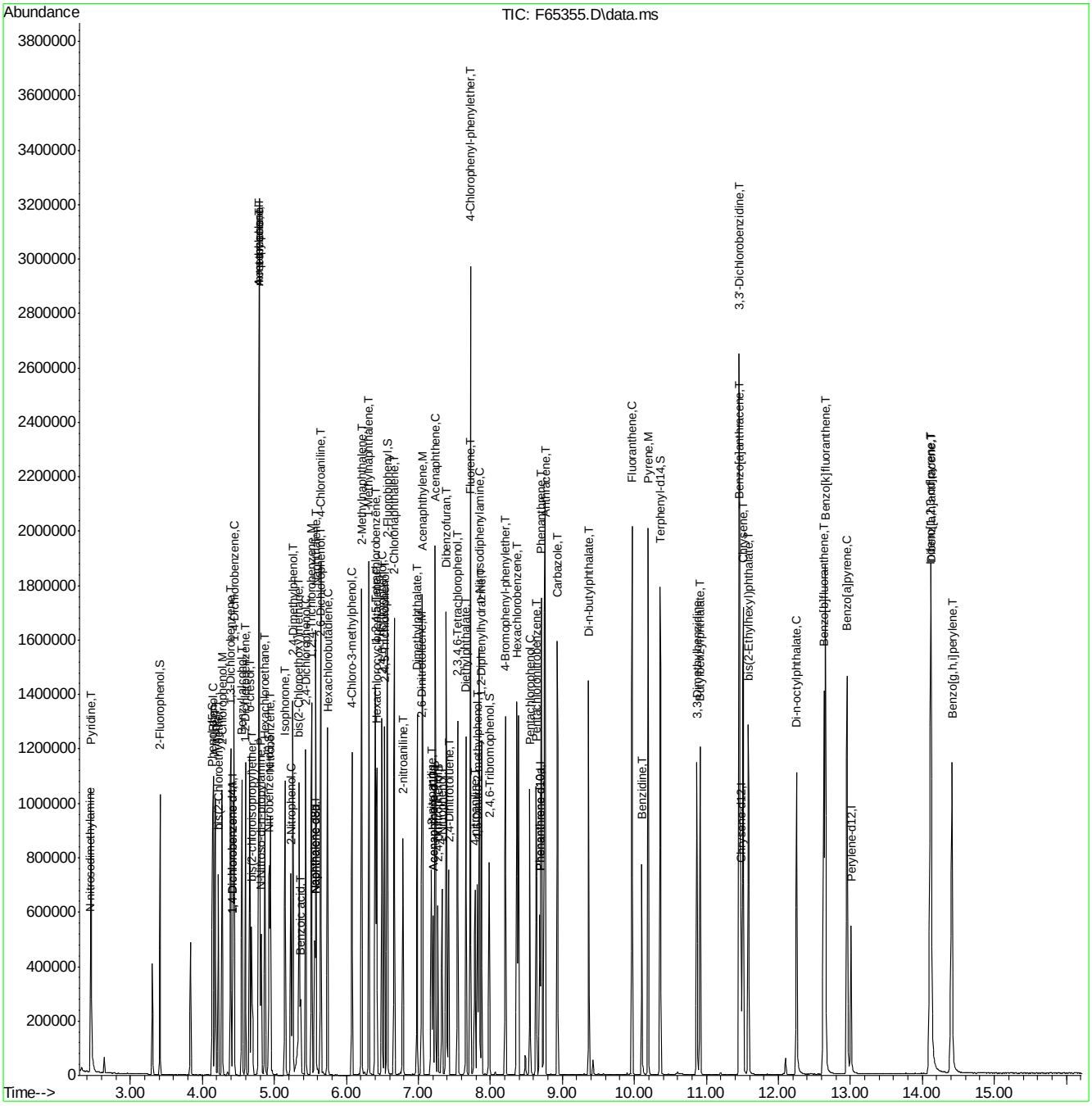
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.251	149	649008	148.04	ppm	99
94) Benzo[b]fluoranthene	12.633	252	798606	145.88	ppm	97
95) Benzo[k]fluoranthene	12.656	252	689168	111.86	ppm	98
96) Benzo[a]pyrene	12.956	252	688227	133.68	ppm	96
97) Indeno[1,2,3-cd]pyrene	14.113	276	918700	147.81	ppm	89
98) Dibenz[a,h]anthracene	14.125	278	732239	148.21	ppm	98
99) Benzo[g,h,i]perylene	14.413	276	762354	143.00	ppm	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65355.D
Acq On : 1 Jul 2013 6:36 pm
Operator : kristinr
Sample : IC3031-120
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 10 07:00:53 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:35:40 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65356.D
Acq On : 1 Jul 2013 7:00 pm
Operator : kristinr
Sample : IC3031-160
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 07:01:15 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:36:46 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.426	152	54533	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.426	152	54533	40.00	PPM		0.00
23) Naphthalene-d8	5.560	136	199229	40.00	ppm		0.00
41) Naphthalene-d8a	5.560	136	199229	40.00	ppm		0.00
43) Acenaphthene-d10	7.204	164	122276	40.00	ppm		0.00
65) Acenaphthene-d10a	7.204	164	122276	40.00	ppm		0.00
67) Phenanthrene-d10	8.685	188	219201	40.00	ppm		0.00
80) Phenanthrene-d10a	8.685	188	219201	40.00	ppm		0.00
82) Chrysene-d12	11.481	240	226011	40.00	ppm		0.00
92) Perylene-d12	13.008	264	220844	40.00	ppm		0.00
100) Naphthalene-d8b	5.560	136	198203m	40.00	ug/mL		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.410	112	258710	163.13	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 163.13%#				
7) Phenol-d5	4.138	99	331616	164.46	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 164.46%#				
24) Nitrobenzene-d5	4.931	82	310355	167.56	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 335.12%#				
48) 2-Fluorobiphenyl	6.570	172	667681	162.58	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 325.16%#				
71) 2,4,6-Tribromophenol	7.986	330	122126	176.35	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 176.35%#				
85) Terphenyl-d14	10.365	244	759944	158.09	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 316.18%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.452	74	179014	170.32	ug/l		100
3) Pyridine	2.458	79	317890	168.01	ppm		90
4) Aniline	4.179	93	400110	167.01	ppm	#	1
6) bis(2-Chloroethyl)ether	4.220	63	181708	165.50	ppm		90
8) Phenol	4.150	94	343571	168.92	ppm		95
9) 2-Chlorophenol	4.273	128	286825	170.46	ppm		98
10) 1,3-Dichlorobenzene	4.396	146	328513	166.85	ppm		99
11) 1,4-Dichlorobenzene	4.438	146	346197	164.67	ppm		97
12) 1,2-Dichlorobenzene	4.602	146	313201	165.80	ppm		99
13) Benzyl alcohol	4.555	108	183188	167.79	ppm		94
14) bis(2-chloroisopropyl)...	4.684	45	220248	161.20	ppm		96
15) o-cresol	4.655	108	248151m	76.11	ppm		
16) Acetophenone	4.796	105	401412	164.23	ppm		97
17) Hexachloroethane	4.866	117	124520	169.71	ppm		90
18) N-Nitroso-di-n-propyla...	4.825	70	200449	164.73	ppm		94
19) m+p-cresols	4.790	108	544273	333.86	ppm		95
20) 4-methylphenol	4.790	108	544273	333.86	ppm		95
25) Nitrobenzene	4.949	77	311250	166.32	ppm		96
26) Isophorone	5.154	82	517856	167.10	ppm		95
27) 2-Nitrophenol	5.231	139	161495	172.14	ppm		97
28) 2,4-Dimethylphenol	5.254	107	296326	167.84	ppm		93
29) bis(2-Chloroethoxy)met...	5.342	93	305861	166.07	ppm		99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65356.D
Acq On : 1 Jul 2013 7:00 pm
Operator : kristinr
Sample : IC3031-160
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 07:01:15 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:36:46 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.378	105	240900	184.66	ppm	94
31) 2,4-Dichlorophenol	5.436	162	263721	171.57	ppm	97
32) 1,2,4-Trichlorobenzene	5.518	180	291616	164.06	ppm	98
33) Naphthalene	5.577	128	816538	166.56	ppm	96
34) 2,6-Dichlorophenol	5.648	162	258308	168.10	ppm	99
35) 4-Chloroaniline	5.642	127	359514	170.69	ppm	100
36) Hexachlorobutadiene	5.742	225	193099	166.32	ppm	98
37) 4-Chloro-3-methylphenol	6.077	107	256180	168.49	ppm	93
38) 2-Methylnaphthalene	6.212	142	561904	165.51	ppm	97
39) 1-Methylnaphthalene	6.312	142	537621	162.94	ppm	96
40) 1,2,4,5-Tetrachloroben...	6.406	216	334270	161.19	ppm	100
44) Pentachloronitrobenzene	8.644	237	90016	165.73	ppm	98
45) Hexachlorocyclopentadiene	6.423	237	236014	184.54	ppm	98
46) 2,4,6-Trichlorophenol	6.494	196	215924	172.20	ppm	98
47) 2,4,5-Trichlorophenol	6.529	196	227731	170.61	ppm	99
49) 2-Chloronaphthalene	6.664	162	550749	166.77	ppm	95
50) Acenaphthylene	7.058	152	876206	167.34	ppm	97
51) Dimethylphthalate	6.987	163	637884	164.28	ppm	99
52) 2,4-Dinitrotoluene	7.422	165	193904	175.09	ppm	98
53) Acenaphthene	7.234	153	548525	165.29	ppm	98
54) 2,4-Dinitrophenol	7.275	184	111439	183.46	ppm	98
55) Dibenzofuran	7.387	168	809986	162.40	ppm	98
56) 2,6-Dinitrotoluene	7.046	165	152384	176.09	ppm	75
57) 4-Nitrophenol	7.334	65	121646	171.30	ppm	92
58) 2,3,4,6-Tetrachlorophenol	7.545	232	204678	173.79	ppm	98
59) Fluorene	7.727	166	650780	169.53	ppm	100
60) 4-Chlorophenyl-phenyle...	7.721	204	357661	167.93	ppm	97
61) Diethylphthalate	7.663	149	606402	158.33	ppm	98
62) 2-nitroaniline	6.787	138	186351	178.03	ppm	93
63) 3-nitroaniline	7.181	138	153016	170.59	ppm	89
64) 4-nitroaniline	7.792	138	153598	170.38	ppm	90
68) 4,6-Dinitro-2-methylph...	7.827	198	147485	186.62	ppm	100
69) n-Nitrosodiphenylamine	7.851	169	468006	171.05	ppm	97
70) 1,2-Diphenylhydrazine	7.880	77	579420	165.93	ppm	99
72) 4-Bromophenyl-phenylether	8.209	248	226801	170.40	ppm	95
73) Hexachlorobenzene	8.368	284	232596	168.58	ppm	93
74) Pentachlorophenol	8.556	266	175156	179.83	ppm	99
75) Phenanthrene	8.714	178	929677	164.58	ppm	99
76) Anthracene	8.761	178	974892	166.48	ppm	100
77) Carbazole	8.937	167	864622	169.44	ppm	97
78) Di-n-butylphthalate	9.372	149	990565	165.11	ppm	99
79) Fluoranthene	9.971	202	961492	163.64	ppm	96
83) Benzidine	10.106	184	374039	168.51	ppm	97
84) Pyrene	10.195	202	1000344	161.48	ppm	97
86) 3,3-Dimethylbenzidine	10.870	212	525651	162.73	ppm	100
87) Butylbenzylphthalate	10.917	149	392393	171.61	ppm	94
88) 3,3'-Dichlorobenzidine	11.458	252	412439	178.93	ppm	99
89) Benzo[a]anthracene	11.463	228	949488	163.76	ppm	98
90) Chrysene	11.510	228	915776	161.19	ppm	98
91) bis(2-Ethylhexyl)phtha...	11.581	149	552149	177.35	ppm	99

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65356.D
Acq On : 1 Jul 2013 7:00 pm
Operator : kristinr
Sample : IC3031-160
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 07:01:15 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:36:46 2013
Response via : Initial Calibration

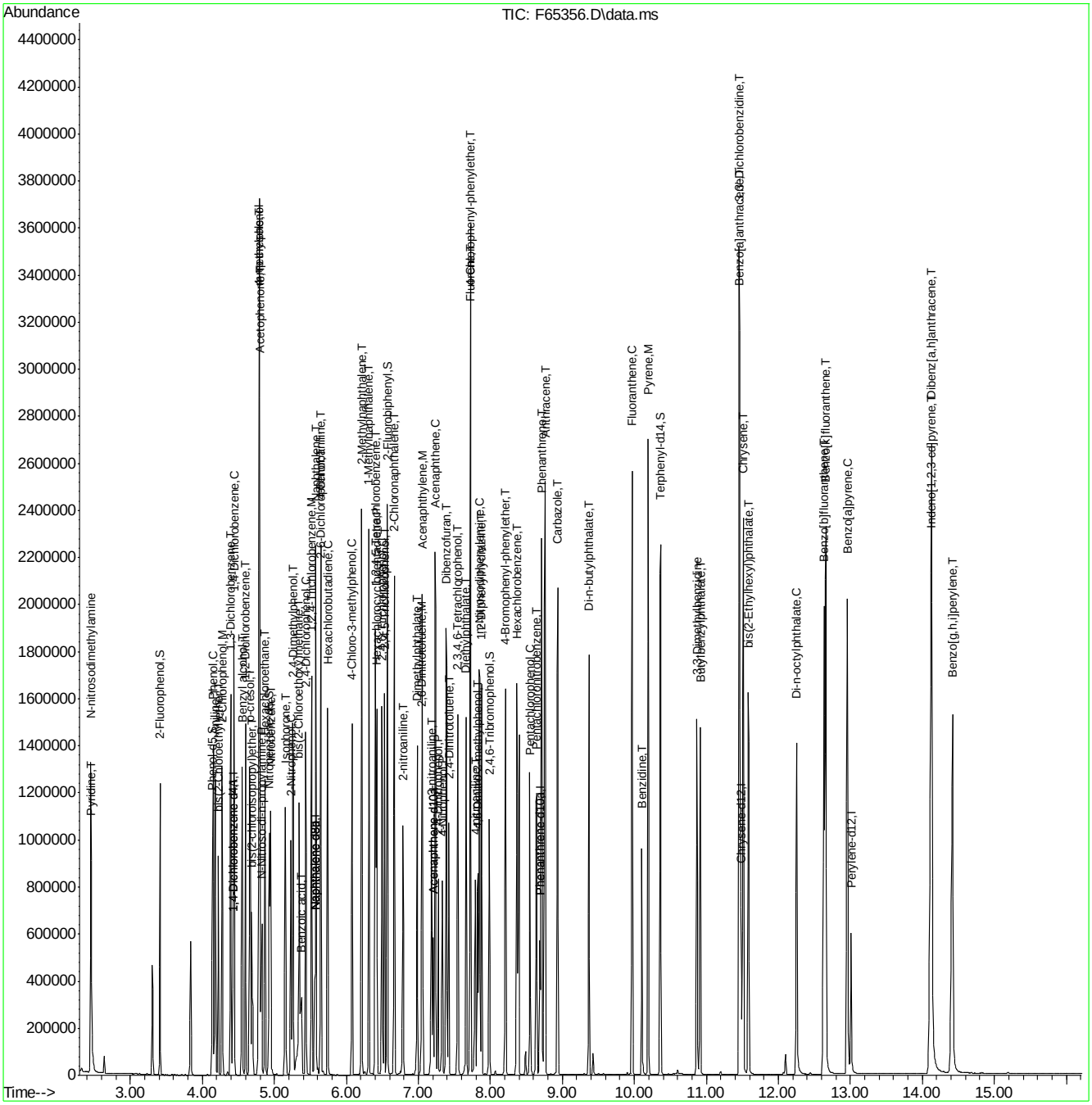
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.251	149	884471	185.29	ppm	100
94) Benzo[b]fluoranthene	12.632	252	1050873	177.69	ppm	98
95) Benzo[k]fluoranthene	12.662	252	1021304	159.72	ppm	97
96) Benzo[a]pyrene	12.961	252	977794	178.32	ppm	96
97) Indeno[1,2,3-cd]pyrene	14.119	276	1338252	198.87	ppm	92
98) Dibenz[a,h]anthracene	14.130	278	1078750	201.57	ppm	99
99) Benzo[g,h,i]perylene	14.424	276	1107552	192.95	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65356.D
Acq On : 1 Jul 2013 7:00 pm
Operator : kristinr
Sample : IC3031-160
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 07:01:15 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:36:46 2013
Response via : Initial Calibration



F130701_8270+.m Wed Jul 10 14:23:55 2013 Page: 4

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65358.D
Acq On : 1 Jul 2013 7:47 pm
Operator : kristinr
Sample : IC3031-5
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 03 09:02:03 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:46:28 2013
Response via : Initial Calibration

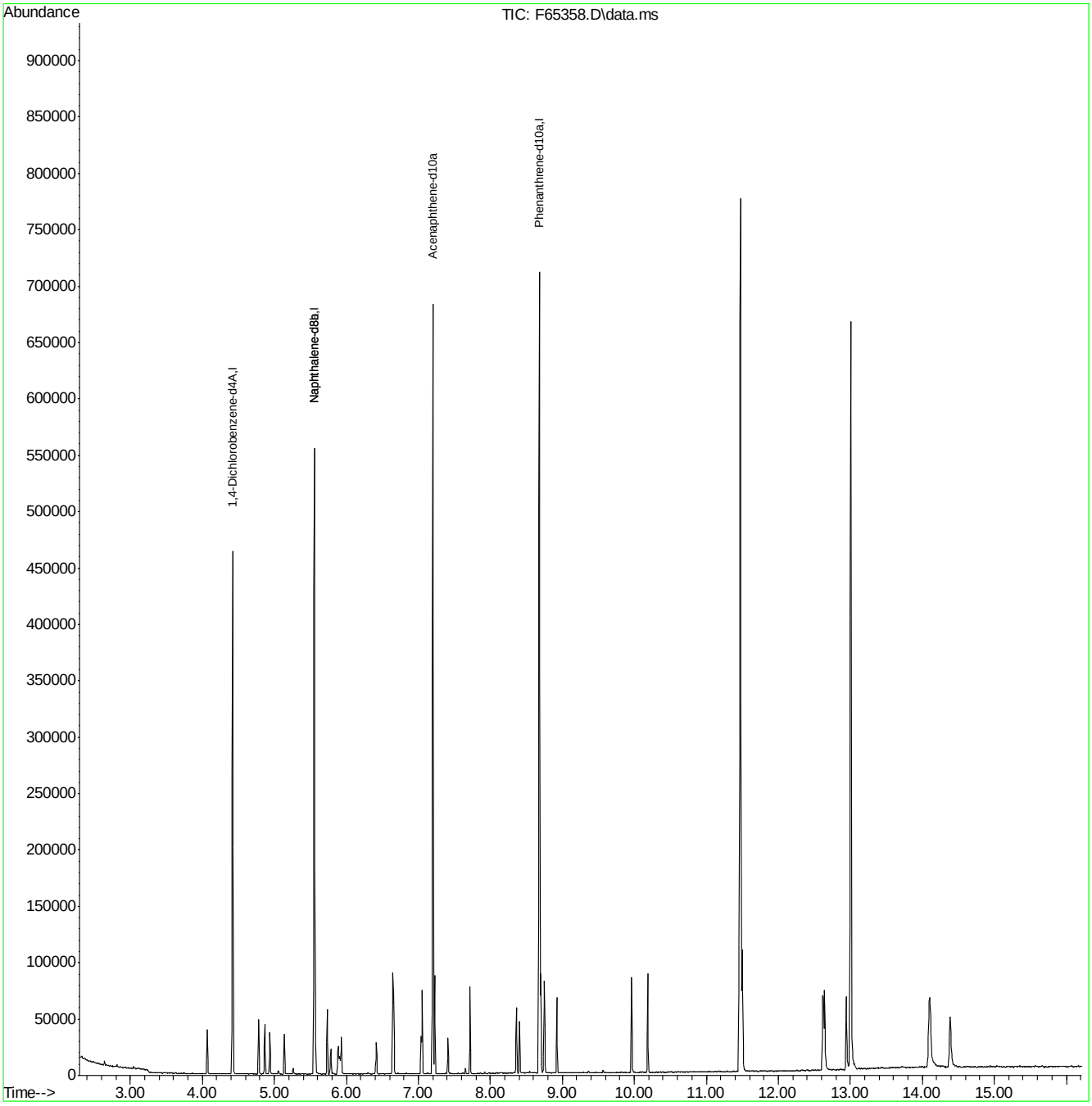
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.421	152	58438	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.555	136	213609	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.199	164	130830	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.680	188	248800	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.555	136	213626m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65358.D
Acq On : 1 Jul 2013 7:47 pm
Operator : kristinr
Sample : IC3031-5
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 03 09:02:03 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Tue Jul 02 07:46:28 2013
Response via : Initial Calibration



F130701_8270+.m Wed Jul 03 09:18:20 2013 Page: 2

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65359.D
Acq On : 1 Jul 2013 8:11 pm
Operator : kristinr
Sample : IC3031-10
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 03 09:03:25 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:02:14 2013
Response via : Initial Calibration

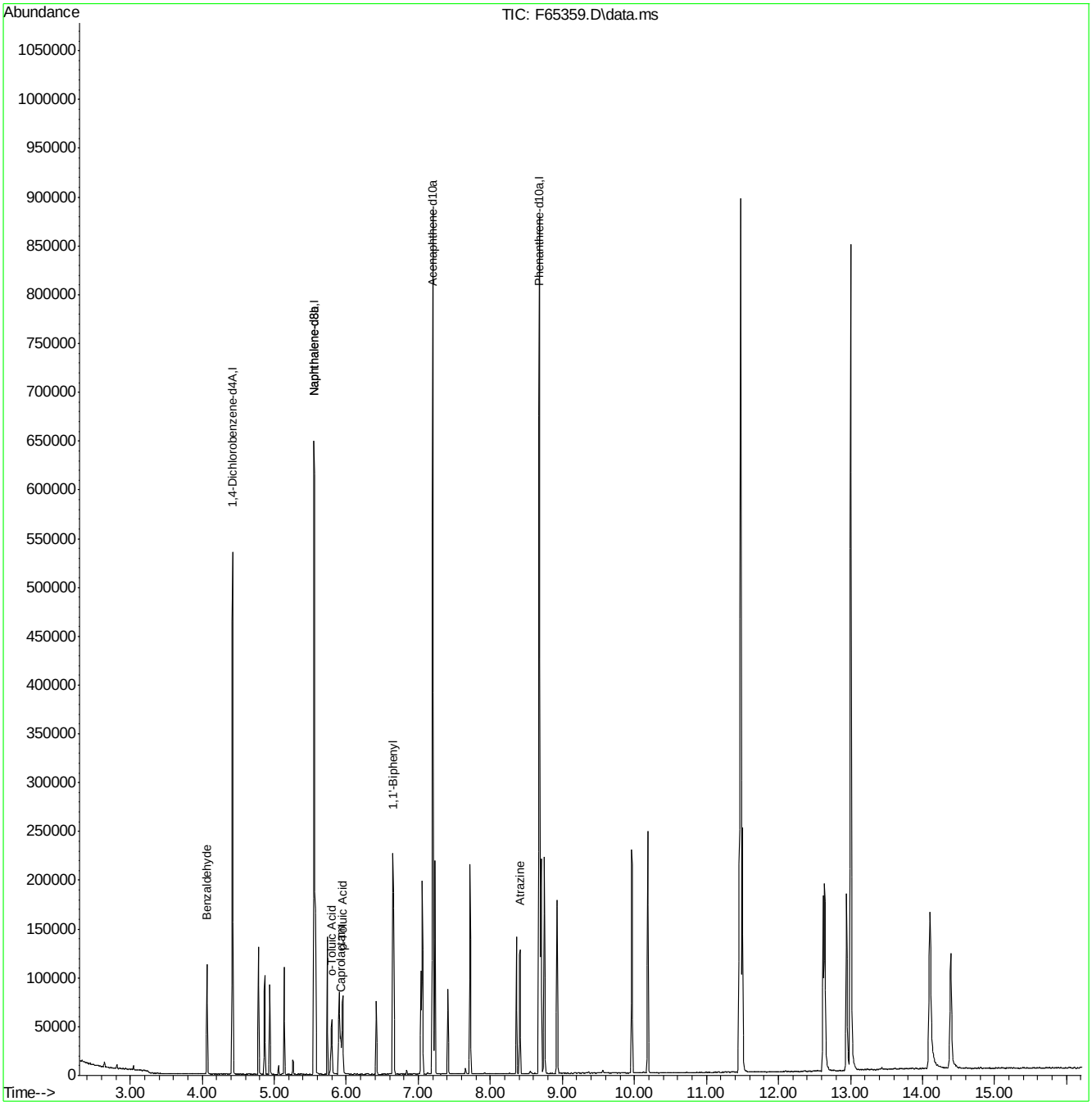
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.423	152	73604	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.551	136	271779	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.201	164	168762	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.682	188	319238	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.551	136	272083m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.064	77	18331m	10.14	ppm	
42) Caprolactam	5.921	55	7921	10.70	ppm	# 100
66) 1,1'-Biphenyl	6.649	154	58190	10.22	ppm	# 100
81) Atrazine	8.411	200	16508	10.98	ppm	# 100
101) o-Toluic Acid	5.797	118	10025m	12.17	ug/mL	
103) p-Toluic Acid	5.950	91	22818m	11.47	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65359.D
Acq On : 1 Jul 2013 8:11 pm
Operator : kristinr
Sample : IC3031-10
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 03 09:03:25 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:02:14 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65360.D
Acq On : 1 Jul 2013 8:35 pm
Operator : kristinr
Sample : IC3031-20
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 03 09:17:32 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:05:42 2013
Response via : Initial Calibration

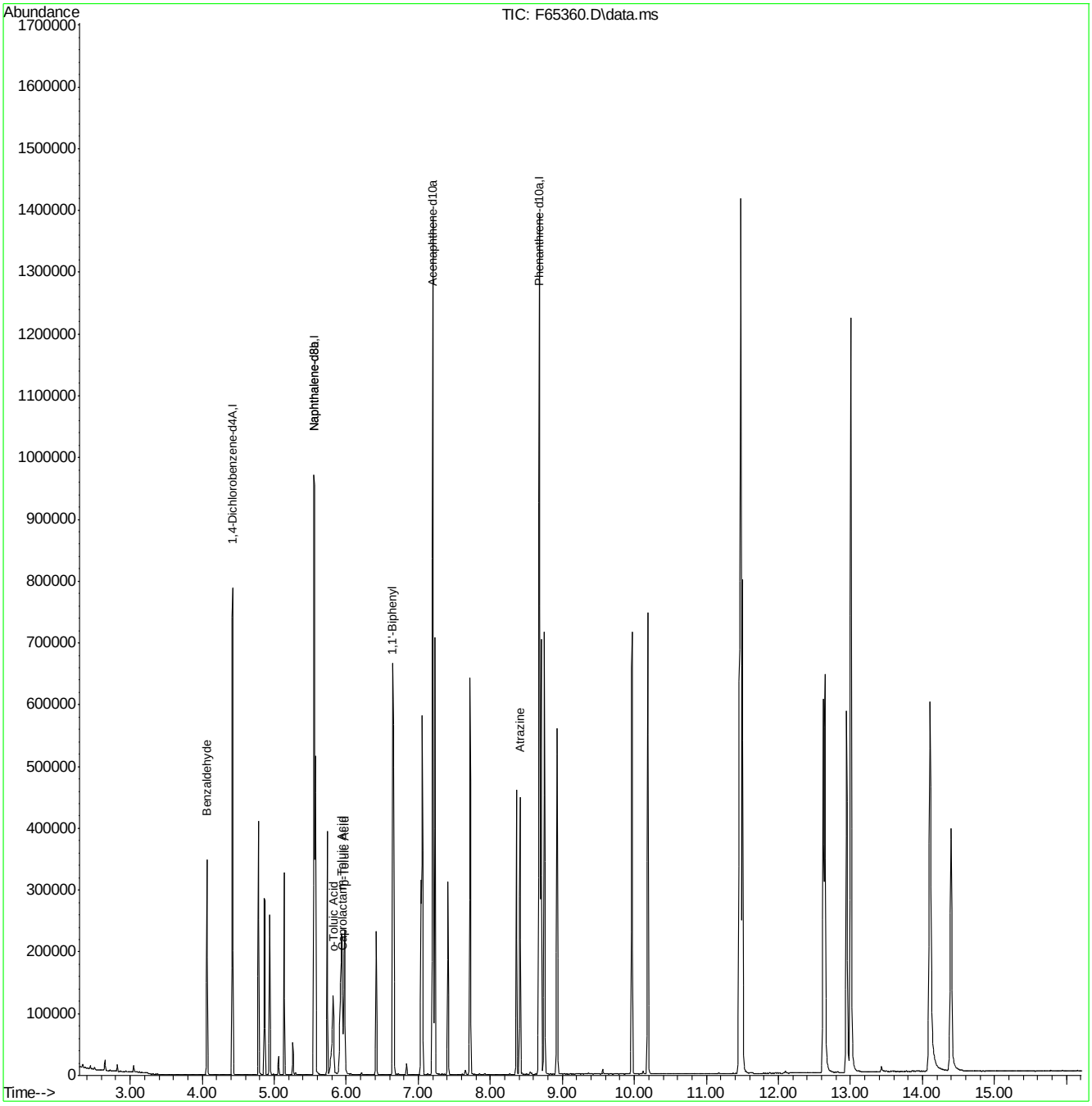
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.423	152	113117	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.551	136	418382	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.202	164	263100	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.682	188	497807	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.551	136	418382	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.065	77	56218	19.74	ppm	99
42) Caprolactam	5.945	55	25313	20.65	ppm	93
66) 1,1'-Biphenyl	6.644	154	177342	19.61	ppm	98
81) Atrazine	8.412	200	54513	21.19	ppm	97
101) o-Toluic Acid	5.821	118	39187m	27.06	ug/mL	
102) m-Toluic Acid	5.933	136	47358m	21.78	ug/mL	
103) p-Toluic Acid	5.980	91	67606m	21.02	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65360.D
Acq On : 1 Jul 2013 8:35 pm
Operator : kristinr
Sample : IC3031-20
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 03 09:17:32 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:05:42 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65361.D
Acq On : 1 Jul 2013 8:58 pm
Operator : kristinr
Sample : IC3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 03 09:17:47 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:03:31 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.421	152	148776	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.554	136	545635	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.205	164	338770	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.685	188	646961	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.554	136	543714m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.068	77	194080m	52.76	ppm	
42) Caprolactam	5.983	55	85963m	55.88	ppm	
66) 1,1'-Biphenyl	6.647	154	590946	51.14	ppm	# 100
81) Atrazine	8.421	200	181927	56.91	ppm	# 100
101) o-Toluic Acid	5.860	118	143667m	78.74	ug/mL	
103) p-Toluic Acid	6.036	91	200306m	46.94	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

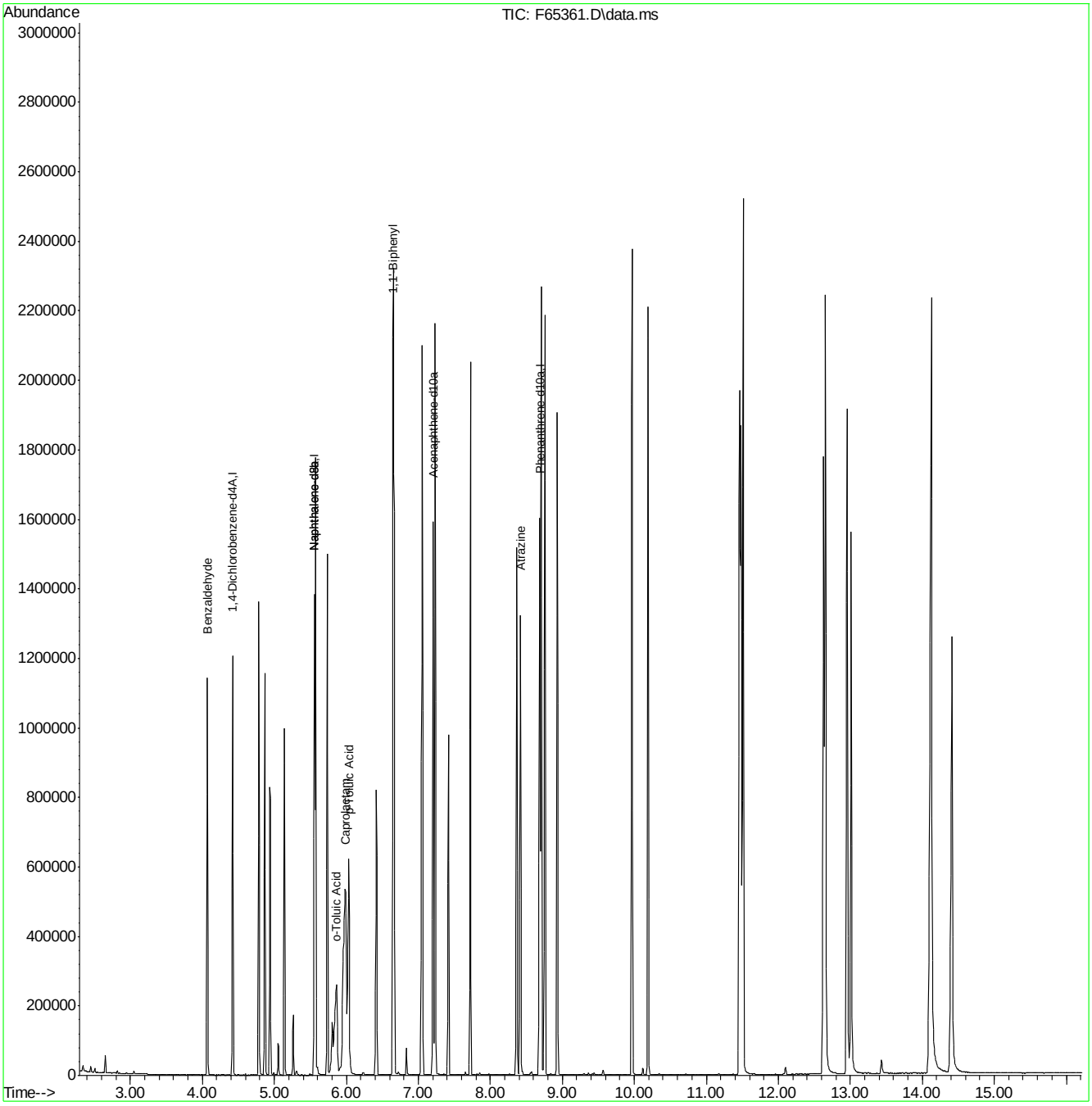
7.6.12

7

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65361.D
Acq On : 1 Jul 2013 8:58 pm
Operator : kristinr
Sample : IC3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 03 09:17:47 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:03:31 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65362.D
Acq On : 1 Jul 2013 9:22 pm
Operator : kristinr
Sample : IC3031-80
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 03 09:09:04 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:07:05 2013
Response via : Initial Calibration

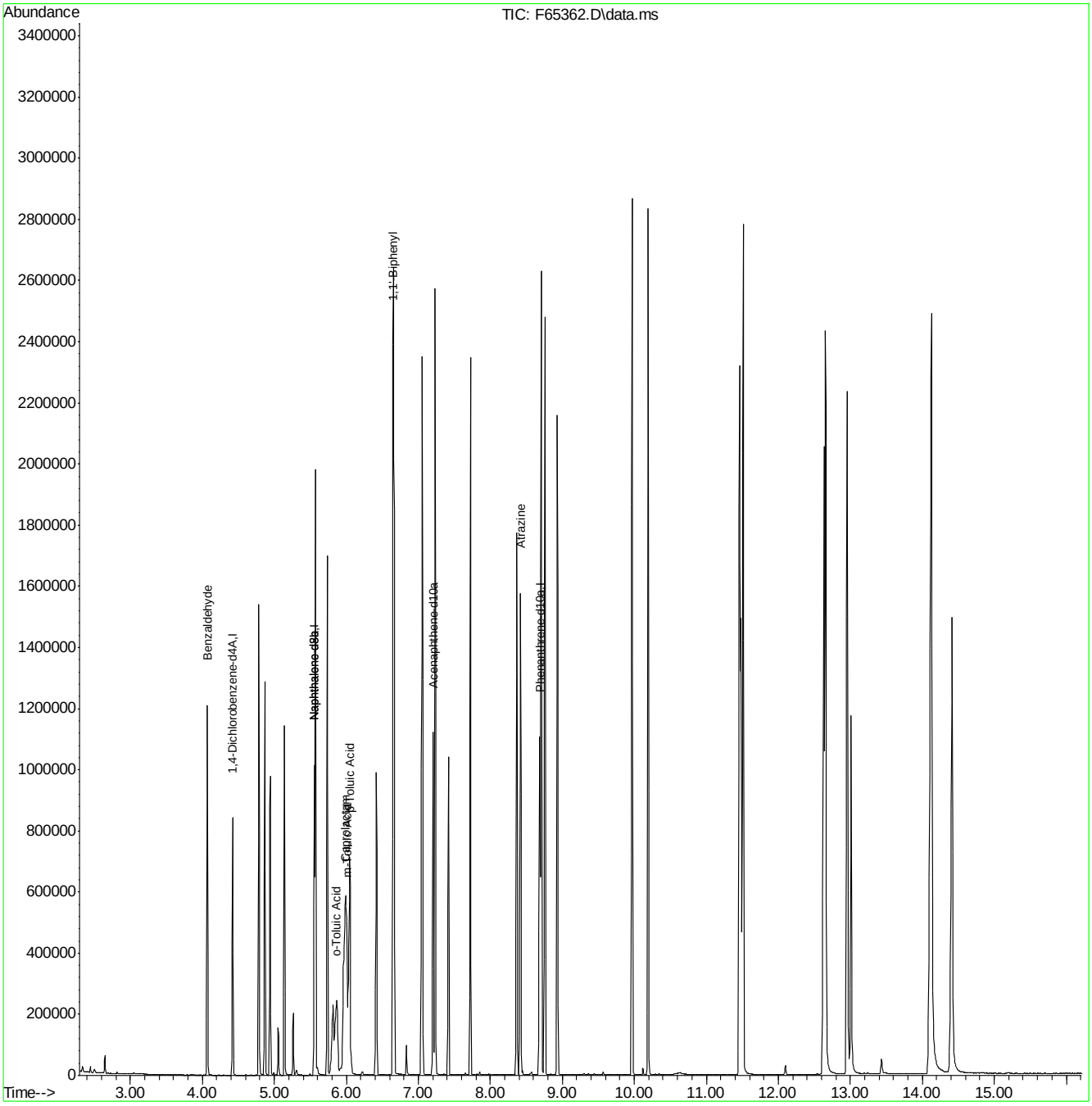
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.421	152	103783	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.555	136	390612	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.205	164	242107	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.686	188	473630	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.555	136	390612	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.068	77	210486	80.81	ppm	99
42) Caprolactam	5.983	55	97431m	84.44	ppm	
66) 1,1'-Biphenyl	6.647	154	677317	81.80	ppm	98
81) Atrazine	8.421	200	212313	85.46	ppm	99
101) o-Toluic Acid	5.866	118	168409m	114.24	ug/mL	
102) m-Toluic Acid	6.007	136	217725m	79.81	ug/mL	
103) p-Toluic Acid	6.048	91	239019m	78.59	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65362.D
Acq On : 1 Jul 2013 9:22 pm
Operator : kristinr
Sample : IC3031-80
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 03 09:09:04 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:07:05 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65363.D
Acq On : 1 Jul 2013 9:45 pm
Operator : kristinr
Sample : IC3031-120
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 03 09:10:24 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:09:18 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.420	152	91886	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.554	136	346374	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.204	164	218848	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.685	188	428395	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.554	136	346374	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.067	77	226477	98.01	ppm	99
42) Caprolactam	6.000	55	133207m	128.77	ppm	
66) 1,1'-Biphenyl	6.652	154	923160	122.78	ppm	98
81) Atrazine	8.426	200	292232	128.30	ppm	99
101) o-Toluic Acid	5.830	118	236587m	166.71	ug/mL	
102) m-Toluic Acid	6.024	136	300042	113.43	ug/mL	96
103) p-Toluic Acid	6.071	91	312933	116.44	ug/mL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

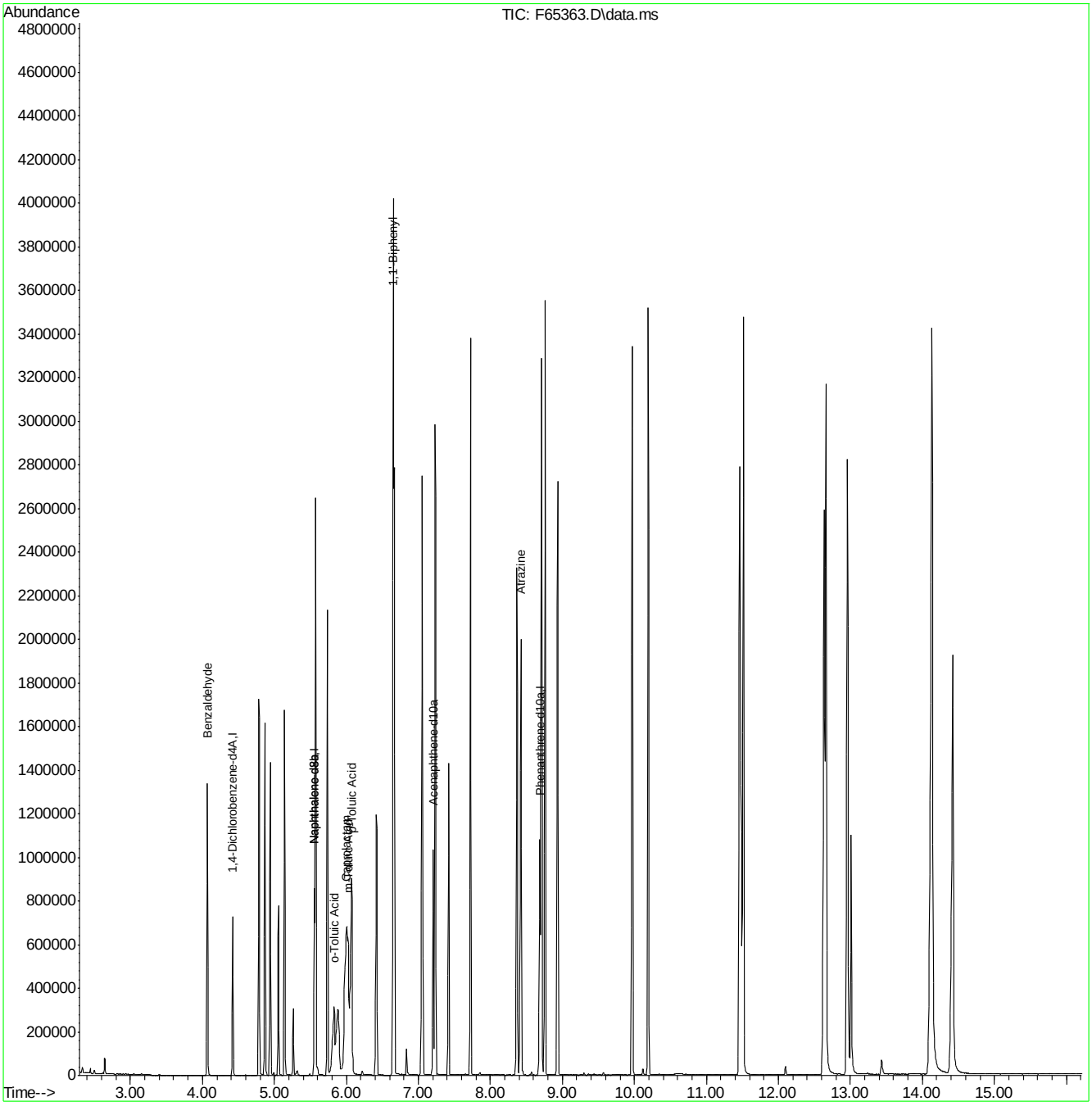
7.6.14

7

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65363.D
Acq On : 1 Jul 2013 9:45 pm
Operator : kristinr
Sample : IC3031-120
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 03 09:10:24 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:09:18 2013
Response via : Initial Calibration



F65364.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65364.D
Acq On : 1 Jul 2013 10:09 pm
Operator : kristinr
Sample : IC3031-160
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 03 09:11:54 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:10:39 2013
Response via : Initial Calibration

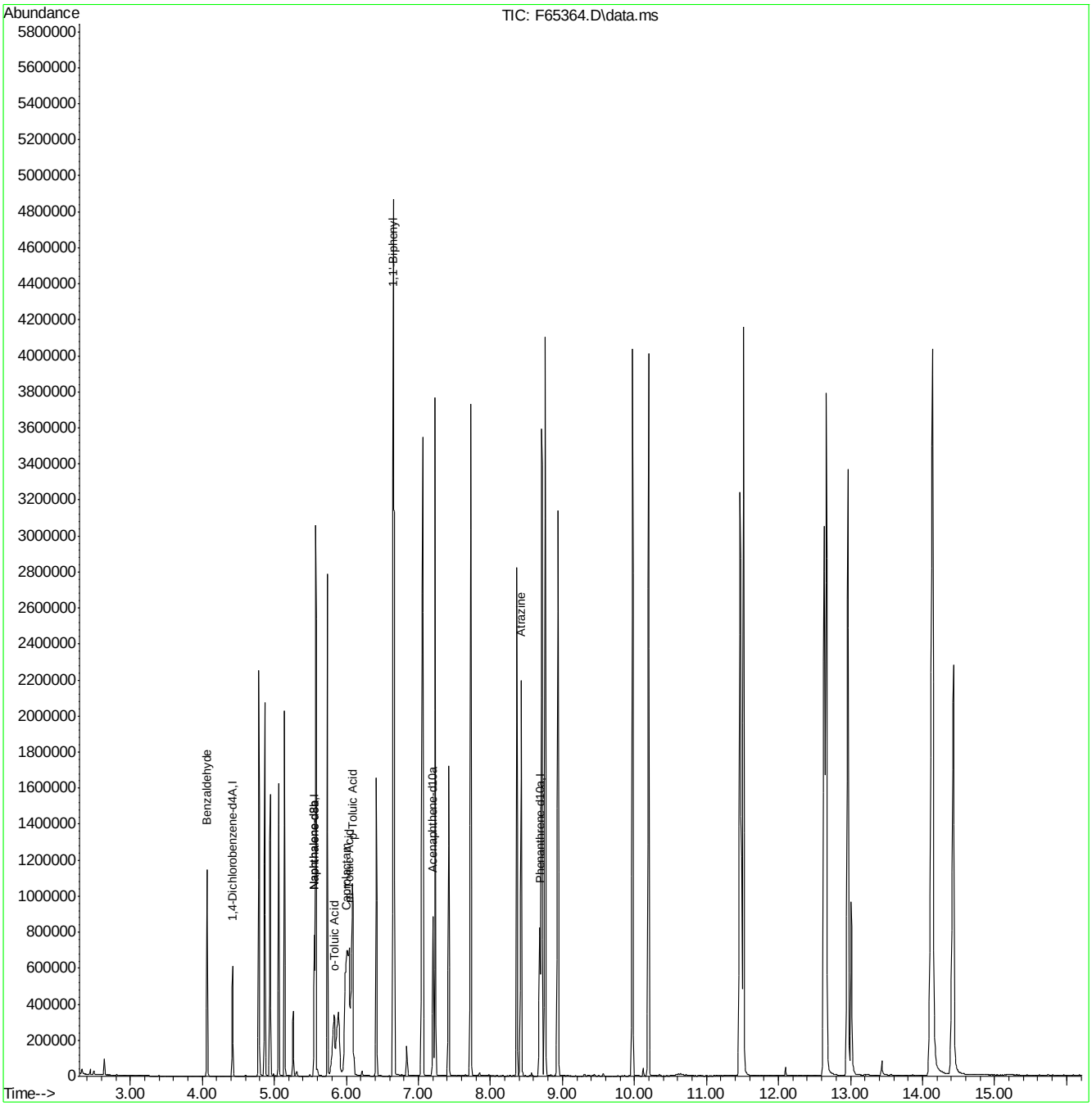
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0m	40.00	ppm	-4.42
21) 1,4-Dichlorobenzene-d4A	4.422	152	82687	40.00	PPM	0.00
23) Naphthalene-d8	0.000	136	0m	40.00	ppm	-5.55
41) Naphthalene-d8a	5.556	136	308601	40.00	ppm	0.00
43) Acenaphthene-d10	0.000	164	0m	40.00	ppm	-7.20
65) Acenaphthene-d10a	7.201	164	195737	40.00	ppm	0.00
67) Phenanthrene-d10	0.000	188	0m	40.00	ppm	-8.68
80) Phenanthrene-d10a	8.687	188	369039	40.00	ppm	0.00
82) Chrysene-d12	0.000	240	0m	40.00	ppm	-11.48
92) Perylene-d12	0.000	264	0m	40.00	ppm	-13.00
100) Naphthalene-d8b	5.556	136	308601	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.064	77	204943	98.55	ppm	95
42) Caprolactam	6.003	55	159267m	170.72	ppm	
66) 1,1'-Biphenyl	6.655	154	1102636	163.34	ppm	100
81) Atrazine	8.429	200	344699	173.67	ppm	98
101) o-Toluic Acid	5.832	118	283813m	210.79	ug/mL	
102) m-Toluic Acid	6.038	136	385449	158.49	ug/mL	96
103) p-Toluic Acid	6.085	91	368425	154.64	ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65364.D
Acq On : 1 Jul 2013 10:09 pm
Operator : kristinr
Sample : IC3031-160
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 03 09:11:54 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 03 09:10:39 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 12:20

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65365.D
Acq On : 1 Jul 2013 10:33 pm
Operator : kristinr
Sample : ICV3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 10 14:27:12 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.419	152	92383	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.419	152	92383	40.00	PPM	0.00
23) Naphthalene-d8	5.553	136	341563	40.00	ppm	0.00
41) Naphthalene-d8a	5.553	136	341563	40.00	ppm	0.00
43) Acenaphthene-d10	7.204	164	222922	40.00	ppm	0.00
65) Acenaphthene-d10a	7.204	164	222922	40.00	ppm	0.00
67) Phenanthrene-d10	8.684	188	420276	40.00	ppm	0.00
80) Phenanthrene-d10a	8.684	188	420276	40.00	ppm	0.00
82) Chrysene-d12	11.480	240	441912	40.00	ppm	0.00
92) Perylene-d12	13.008	264	415613	40.00	ppm	0.00
100) Naphthalene-d8b	5.553	136	341563	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.415	112	135409	50.28	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.28%			
7) Phenol-d5	4.137	99	168809	49.25	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 49.25%			
24) Nitrobenzene-d5	4.925	82	162406	50.84	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 101.68%			
48) 2-Fluorobiphenyl	6.563	172	377715	50.35	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 100.70%			
71) 2,4,6-Tribromophenol	7.979	330	66880	49.64	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 49.64%			
85) Terphenyl-d14	10.358	244	476592	50.78	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 101.56%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.463	74	87882	48.91	ug/l	97
3) Pyridine	2.469	79	153819	47.65	ppm	96
4) Aniline	4.178	93	166561	40.82	ppm #	1
6) bis(2-Chloroethyl)ether	4.220	63	90480	48.44	ppm	94
8) Phenol	4.143	94	175056	50.45	ppm	95
9) 2-Chlorophenol	4.272	128	143956	50.09	ppm	99
10) 1,3-Dichlorobenzene	4.396	146	163289	48.69	ppm	98
11) 1,4-Dichlorobenzene	4.437	146	171142	47.88	ppm	97
12) 1,2-Dichlorobenzene	4.596	146	157530	49.00	ppm	97
13) Benzyl alcohol	4.549	108	89424	48.02	ppm	95
14) bis(2-chloroisopropyl)...	4.684	45	133553	57.65	ppm	93
15) o-cresol	4.654	108	127292	50.41	ppm	87
16) Acetophenone	4.789	105	199083	47.92	ppm	99
17) Hexachloroethane	4.866	117	62173	49.64	ppm	86
18) N-Nitroso-di-n-propyla...	4.807	70	107894	52.15	ppm	95
19) m+p-cresols	4.784	108	277279	99.86	ppm	98
20) 4-methylphenol	4.784	108	277279	99.86	ppm	98
22) Benzaldehyde	4.067	77	83446m	37.05	ppm	
25) Nitrobenzene	4.942	77	154806	48.01	ppm	95
26) Isophorone	5.142	82	262322	49.10	ppm	100
27) 2-Nitrophenol	5.224	139	82604	50.81	ppm	94
28) 2,4-Dimethylphenol	5.253	107	155625	51.06	ppm	94

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65365.D
Acq On : 1 Jul 2013 10:33 pm
Operator : kristinr
Sample : ICV3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 10 14:27:12 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) bis(2-Chloroethoxy)met...	5.342	93	162349	51.14	ppm		100
30) Benzoic acid	5.347	105	136112	59.33	ppm		95
31) 2,4-Dichlorophenol	5.436	162	135145	50.76	ppm		99
32) 1,2,4-Trichlorobenzene	5.518	180	155555	50.88	ppm		99
33) Naphthalene	5.577	128	422703	50.04	ppm		97
34) 2,6-Dichlorophenol	5.647	162	132604	49.97	ppm		98
35) 4-Chloroaniline	5.635	127	145800	39.99	ppm		100
36) Hexachlorobutadiene	5.735	225	101350	50.67	ppm		97
37) 4-Chloro-3-methylphenol	6.082	107	136692	52.04	ppm		96
38) 2-Methylnaphthalene	6.205	142	280731	48.03	ppm		99
39) 1-Methylnaphthalene	6.311	142	272997	48.15	ppm		96
40) 1,2,4,5-Tetrachloroben...	6.399	216	170109	47.80	ppm		97
42) Caprolactam	5.935	55	51528	49.43	ppm		98
44) Pentachloronitrobenzene	8.637	237	48745	48.94	ppm		98
45) Hexachlorocyclopentadiene	6.423	237	58061	24.37	ppm		99
46) 2,4,6-Trichlorophenol	6.493	196	114714	49.64	ppm		97
47) 2,4,5-Trichlorophenol	6.528	196	124727	50.77	ppm		98
49) 2-Chloronaphthalene	6.663	162	306426	50.63	ppm		97
50) Acenaphthylene	7.057	152	479452m	49.94	ppm		
51) Dimethylphthalate	6.981	163	346316	48.76	ppm		99
52) 2,4-Dinitrotoluene	7.415	165	110260	53.89	ppm		99
53) Acenaphthene	7.233	153	306525	50.46	ppm		98
54) 2,4-Dinitrophenol	7.268	184	59377	52.09	ppm		97
55) Dibenzofuran	7.386	168	430648	47.27	ppm		98
56) 2,6-Dinitrotoluene	7.045	165	80409	50.25	ppm	#	64
57) 4-Nitrophenol	7.327	65	66850	51.03	ppm		94
58) 2,3,4,6-Tetrachlorophenol	7.545	232	112477	51.75	ppm		99
59) Fluorene	7.721	166	367697	52.15	ppm		99
60) 4-Chlorophenyl-phenyle...	7.715	204	199316	51.02	ppm		95
61) Diethylphthalate	7.656	149	351891	50.46	ppm		98
62) 2-nitroaniline	6.787	138	98932	51.02	ppm		99
63) 3-nitroaniline	7.174	138	64768m	39.17	ppm		
64) 4-nitroaniline	7.779	138	78088	47.00	ppm		90
66) 1,1'-Biphenyl	6.646	154	362345	46.99	ppm		99
68) 4,6-Dinitro-2-methylph...	7.815	198	84531	54.28	ppm		100
69) n-Nitrosodiphenylamine	7.844	169	242577	45.85	ppm		97
70) 1,2-Diphenylhydrazine	7.873	77	317051	47.14	ppm		97
72) 4-Bromophenyl-phenylether	8.208	248	122041	47.44	ppm		95
73) Hexachlorobenzene	8.367	284	132581	49.78	ppm		92
74) Pentachlorophenol	8.549	266	97290	51.04	ppm		99
75) Phenanthrene	8.708	178	543690	50.02	ppm		99
76) Anthracene	8.755	178	533482	47.28	ppm		99
77) Carbazole	8.931	167	483090	49.02	ppm		98
78) Di-n-butylphthalate	9.366	149	572550	49.55	ppm		99
79) Fluoranthene	9.971	202	601586	53.25	ppm		97
81) Atrazine	8.414	200	113387	50.16	ppm		98
83) Benzidine	10.100	184	164282	37.85	ppm		97
84) Pyrene	10.188	202	593407	48.93	ppm		96
87) Butylbenzylphthalate	10.911	149	237197	52.51	ppm		99
88) 3,3'-Dichlorobenzidine	11.451	252	194641	42.47	ppm		97

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65365.D
Acq On : 1 Jul 2013 10:33 pm
Operator : kristinr
Sample : ICV3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 10 14:27:12 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

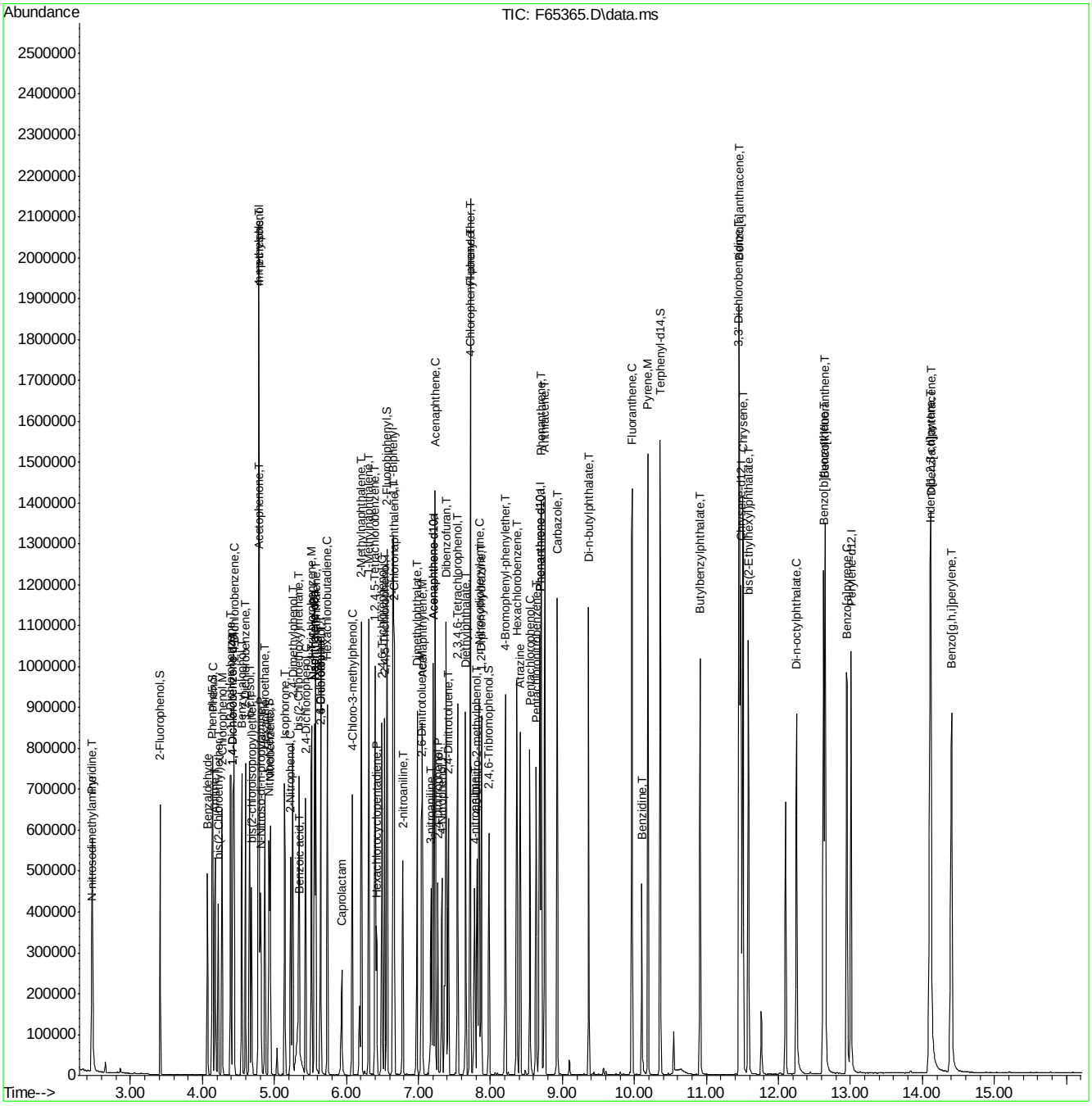
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo[a]anthracene	11.457	228	598747	52.66	ppm	98
90) Chrysene	11.504	228	557592	50.15	ppm	98
91) bis(2-Ethylhexyl)phtha...	11.580	149	341239	55.20	ppm	98
93) Di-n-octylphthalate	12.250	149	551796	55.01	ppm	100
94) Benzo[b]fluoranthene	12.626	252	598812	53.07	ppm	97
95) Benzo[k]fluoranthene	12.649	252	600474	49.91	ppm	98
96) Benzo[a]pyrene	12.955	252	501810	47.94	ppm	95
97) Indeno[1,2,3-cd]pyrene	14.106	276	696155	53.35	ppm	87
98) Dibenz[a,h]anthracene	14.118	278	568510	56.45	ppm	99
99) Benzo[g,h,i]perylene	14.406	276	580778	52.41	ppm	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130701\
Data File : F65365.D
Acq On : 1 Jul 2013 10:33 pm
Operator : kristinr
Sample : ICV3031-50
Misc : OP33788,MSF3031,,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 10 14:27:12 2013
Quant Method : C:\msdchem\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23273

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 08/09/13 13:49

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66060.D
Acq On : 9 Aug 2013 9:32 am
Operator : KRISTINR
Sample : CC3031-80, tcl42
Misc : OP34224,MSF3058,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 09 10:41:26 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

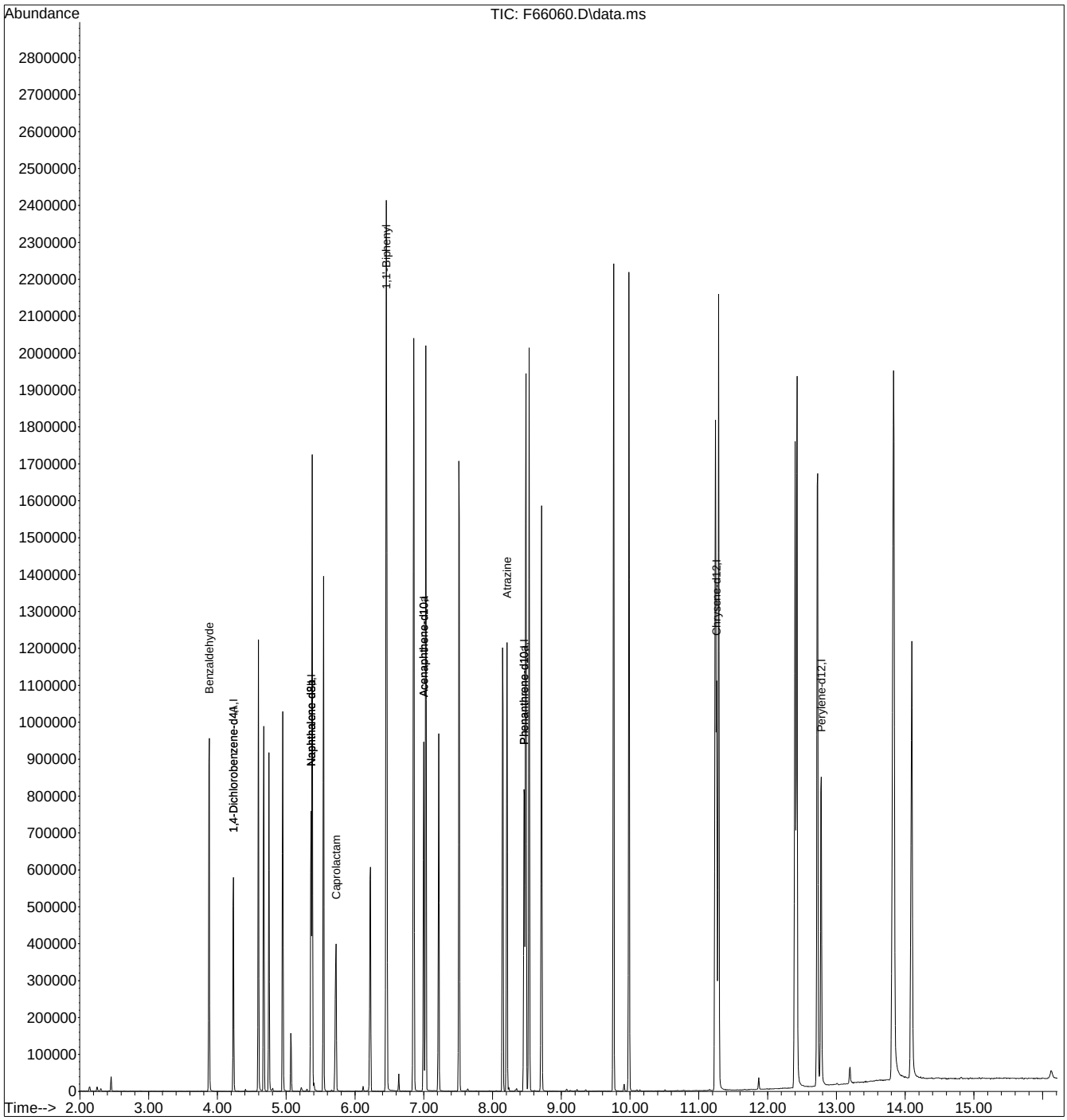
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.234	152	74126	40.00	ppm	-0.03
21) 1,4-Dichlorobenzene-d4A	4.234	152	74126	40.00	PPM	-0.03
23) Naphthalene-d8	5.362	136	279335	40.00	ppm	-0.03
41) Naphthalene-d8a	5.362	136	279335	40.00	ppm	-0.03
43) Acenaphthene-d10	7.001	164	176950	40.00	ppm	-0.03
65) Acenaphthene-d10a	7.001	164	176950	40.00	ppm	-0.03
67) Phenanthrene-d10	8.458	188	325182m	40.00	ppm	-0.04
80) Phenanthrene-d10a	8.458	188	325292	40.00	ppm	-0.04
82) Chrysene-d12	11.260	240	373506	40.00	ppm	-0.04
92) Perylene-d12	12.781	264	333515m	40.00	ppm	-0.04
100) Naphthalene-d8b	5.362	136	279335	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	3.881	77	178148	98.57	ppm	97
42) Caprolactam	5.726	55	69676	81.73	ppm	95
66) 1,1'-Biphenyl	6.454	154	503786	82.31	ppm	99
81) Atrazine	8.211	200	147026	84.04	ppm	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66060.D
Acq On : 9 Aug 2013 9:32 am
Operator : KRISTINR
Sample : CC3031-80, tcl42
Misc : OP34224,MSF3058,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 09 10:41:26 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



F130701_8270+.m Fri Aug 09 10:41:39 2013 Page: 2

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 08/09/13 13:49

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66061.D
Acq On : 9 Aug 2013 9:56 am
Operator : KRISTINR
Sample : CC3031-50
Misc : OP34224,MSF3058,,,,1,1
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Aug 09 13:43:10 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.232	152	85027	40.00	ppm	-0.03
21) 1,4-Dichlorobenzene-d4A	4.232	152	85027	40.00	PPM	-0.03
23) Naphthalene-d8	5.360	136	320896	40.00	ppm	-0.03
41) Naphthalene-d8a	5.360	136	320896	40.00	ppm	-0.03
43) Acenaphthene-d10	6.999	164	208036	40.00	ppm	-0.03
65) Acenaphthene-d10a	6.999	164	208036	40.00	ppm	-0.03
67) Phenanthrene-d10	8.462	188	397047m	40.00	ppm	-0.03
80) Phenanthrene-d10a	8.462	188	397196	40.00	ppm	-0.03
82) Chrysene-d12	11.264	240	440818	40.00	ppm	-0.03
92) Perylene-d12	12.779	264	404796	40.00	ppm	-0.04
100) Naphthalene-d8b	5.360	136	320300m	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.245	112	130256	52.55	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 52.55%			
7) Phenol-d5	3.974	99	168756	53.49	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 53.49%			
24) Nitrobenzene-d5	4.737	82	174187	58.04	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 116.08%			
48) 2-Fluorobiphenyl	6.370	172	354490	50.63	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 101.26%			
71) 2,4,6-Tribromophenol	7.774	330	58512	45.97	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 45.97%			
85) Terphenyl-d14	10.159	244	474869	50.73	ppm	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 101.46%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.270	74	80305	48.56	ug/l #	71
3) Pyridine	2.276	79	140343	47.23	ppm	95
4) Aniline	3.991	93	191327	50.94	ppm #	1
6) bis(2-Chloroethyl)ether	4.032	63	97808	56.89	ppm	83
8) Phenol	3.985	94	188763	59.11	ppm	67
9) 2-Chlorophenol	4.091	128	137513	51.99	ppm	95
10) 1,3-Dichlorobenzene	4.203	146	157825	51.14	ppm	99
11) 1,4-Dichlorobenzene	4.244	146	168813	51.31	ppm	94
12) 1,2-Dichlorobenzene	4.408	146	153367	51.84	ppm	98
13) Benzyl alcohol	4.367	108	59623m	34.78	ppm	
14) bis(2-chloroisopropyl)...	4.497	45	120410	56.47	ppm	90
15) o-cresol	4.485	108	124246	53.46	ppm	85
16) Acetophenone	4.596	105	207822	54.35	ppm	97
17) Hexachloroethane	4.673	117	64207	55.70	ppm	87
18) N-Nitroso-di-n-propyla...	4.620	70	114546m	60.15	ppm	
19) m+p-cresols	4.614	108	289580	113.31	ppm	96
20) 4-methylphenol	4.614	108	289580	113.31	ppm	96
25) Nitrobenzene	4.749	77	178447	58.91	ppm	85
26) Isophorone	4.955	82	291473	58.07	ppm	100
27) 2-Nitrophenol	5.037	139	80707	52.84	ppm	86
28) 2,4-Dimethylphenol	5.078	107	158734	55.43	ppm	90
29) bis(2-Chloroethoxy)met...	5.154	93	160851	53.93	ppm	99
30) Benzoic acid	5.184	105	111497	51.73	ppm	93
31) 2,4-Dichlorophenol	5.254	162	132110	52.81	ppm	96
32) 1,2,4-Trichlorobenzene	5.325	180	147831	51.47	ppm	97
33) Naphthalene	5.378	128	415617	52.37	ppm	96
34) 2,6-Dichlorophenol	5.460	162	125688	50.42	ppm	98
35) 4-Chloroaniline	5.448	127	171653	50.12	ppm	100
36) Hexachlorobutadiene	5.542	225	100436	53.45	ppm	99
37) 4-Chloro-3-methylphenol	5.906	107	141030	57.15	ppm	89

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66061.D
Acq On : 9 Aug 2013 9:56 am
Operator : KRISTINR
Sample : CC3031-50
Misc : OP34224,MSF3058,,,,1,1
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Aug 09 13:43:10 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration

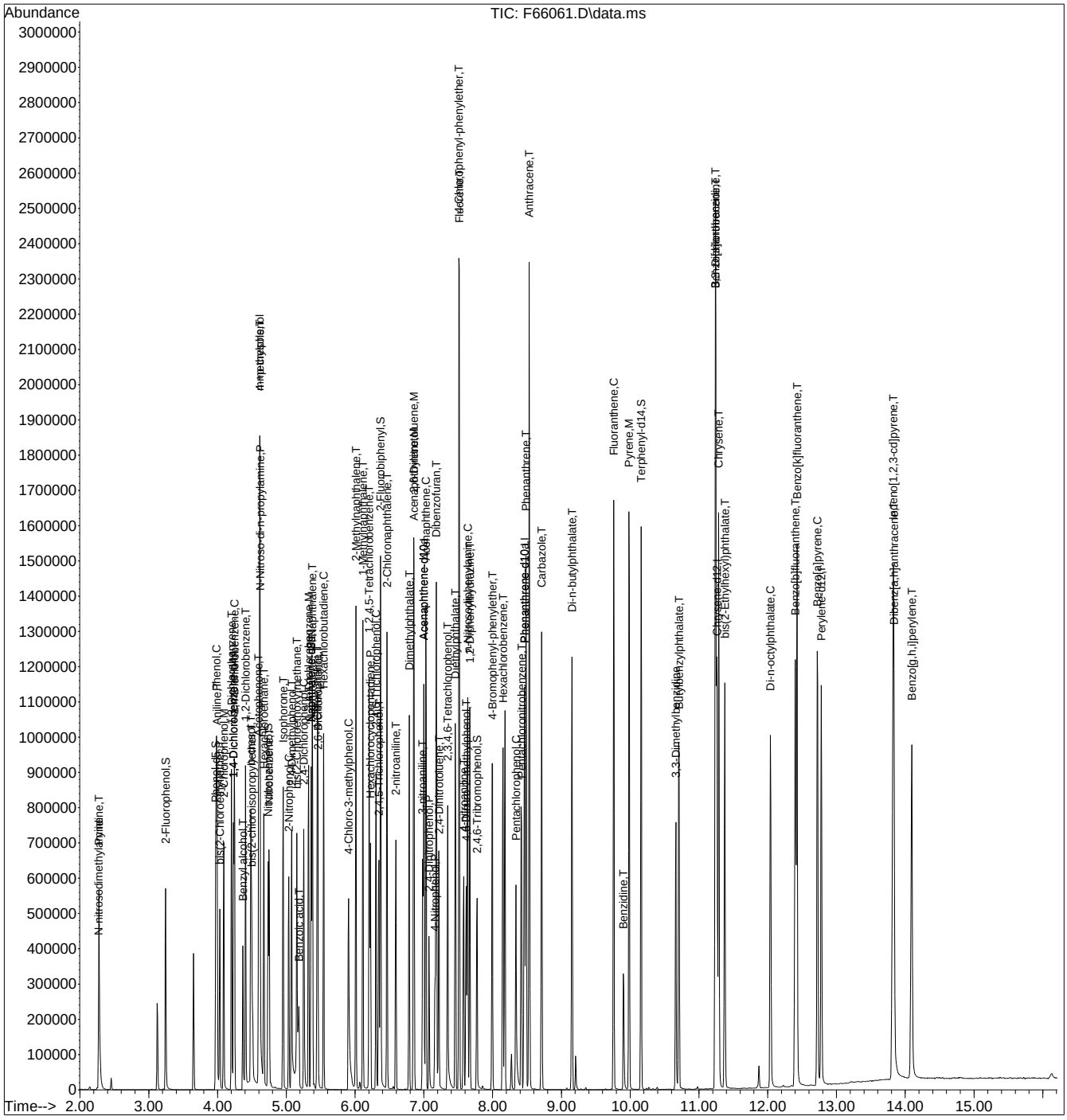
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) 2-Methylnaphthalene	6.012	142	293786	53.50	ppm		97
39) 1-Methylnaphthalene	6.112	142	277982	52.19	ppm		97
40) 1,2,4,5-Tetrachloroben...	6.206	216	177447	53.08	ppm		99
44) Pentachloronitrobenzene	8.421	237	55125	59.30	ppm		97
45) Hexachlorocyclopentadiene	6.224	237	91047	40.94	ppm		99
46) 2,4,6-Trichlorophenol	6.306	196	107064	49.65	ppm		99
47) 2,4,5-Trichlorophenol	6.347	196	117791	51.38	ppm		97
49) 2-Chloronaphthalene	6.464	162	294359	52.11	ppm		95
50) Acenaphthylene	6.858	152	474256	52.93	ppm		98
51) Dimethylphthalate	6.788	163	351110	52.97	ppm		100
52) 2,4-Dinitrotoluene	7.222	165	107793	56.45	ppm		97
53) Acenaphthene	7.028	153	297793	52.53	ppm		98
54) 2,4-Dinitrophenol	7.075	184	48204	45.31	ppm		81
55) Dibenzofuran	7.181	168	447507	52.64	ppm		92
56) 2,6-Dinitrotoluene	6.852	165	82485	55.23	ppm		95
57) 4-Nitrophenol	7.164	65	69828m	57.12	ppm		
58) 2,3,4,6-Tetrachlorophenol	7.346	232	106847	52.68	ppm		98
59) Fluorene	7.516	166	366176	55.65	ppm		100
60) 4-Chlorophenyl-phenyle...	7.510	204	199893	54.82	ppm		90
61) Diethylphthalate	7.457	149	348744	53.59	ppm		97
62) 2-nitroaniline	6.594	138	99274	54.86	ppm		85
63) 3-nitroaniline	6.981	138	82765	53.64	ppm	#	70
64) 4-nitroaniline	7.581	138	84769	54.68	ppm		78
68) 4,6-Dinitro-2-methylph...	7.616	198	75029	51.00	ppm		100
69) n-Nitrosodiphenylamine	7.639	169	253829	50.78	ppm		98
70) 1,2-Diphenylhydrazine	7.669	77	357436	56.25	ppm		95
72) 4-Bromophenyl-phenylether	7.998	248	122171	50.27	ppm		93
73) Hexachlorobenzene	8.150	284	120800	48.01	ppm		93
74) Pentachlorophenol	8.338	266	74929m	41.61	ppm		
75) Phenanthrene	8.485	178	528276m	51.45	ppm		
76) Anthracene	8.532	178	557071	52.25	ppm		99
77) Carbazole	8.714	167	489527	52.57	ppm		97
78) Di-n-butylphthalate	9.155	149	601652	55.11	ppm		99
79) Fluoranthene	9.760	202	614302	57.56	ppm		100
83) Benzidine	9.901	184	126985	29.33	ppm		98
84) Pyrene	9.983	202	640632	52.96	ppm		98
86) 3,3-Dimethylbenzidine	10.665	212	263543	41.83	ppm		100
87) Butylbenzylphthalate	10.712	149	246060	54.61	ppm		99
88) 3,3'-Dichlorobenzidine	11.240	252	253851	55.53	ppm		99
89) Benzo[a]anthracene	11.240	228	611880	53.95	ppm		98
90) Chrysene	11.287	228	578953	52.20	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.375	149	349818	56.73	ppm		98
93) Di-n-octylphthalate	12.039	149	568094	58.03	ppm		100
94) Benzo[b]fluoranthene	12.403	252	650356	59.18	ppm		96
95) Benzo[k]fluoranthene	12.427	252	563109	48.05	ppm		97
96) Benzo[a]pyrene	12.721	252	559197	54.85	ppm		96
97) Indeno[1,2,3-cd]pyrene	13.825	276	677175	53.28	ppm		86
98) Dibenz[a,h]anthracene	13.837	278	531712	54.20	ppm		96
99) Benzo[g,h,i]perylene	14.095	276	546116	50.60	ppm		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\1\DATA\F130809\
Data File : F66061.D
Acq On : 9 Aug 2013 9:56 am
Operator : KRISTINR
Sample : CC3031-50
Misc : OP34224,MSF3058,,,,1,1
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Aug 09 13:43:10 2013
Quant Method : W:\1\methods\F130701_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Wed Jul 10 07:01:30 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23273

Accutest Laboratories of New England, Inc.

Instrument: GCMS F

GCMS Analysis Log - Extractables

Run Date: 07/01/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 ng/mL
MSS1625	AB8270 Cal. Stds.	50
MSS1560	AB8270 Cal. Stds	50
MSS1594H	AB8270 Int. Std.	4000

Column Information: Front ZB-SMS.
Rear N/A
Sequence File: F130701.s
Quantitation Methods: DFTPPM
F130701_8270+M
Instrument Run Batches: MSF3031
Inj. Vol:
Data Acquisition Methods: F8270RAST.M
Inj. Vol: 1

ICAL verified:

Sequence verified: 7/1/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98	F65347	Blank				N/A	N/A	
99	8	DFTPP						
100	9	ICC3031-50	MSS1625		N/A			
1	F65350	IC3031-2						
2	1	-5						
3	2	-10						
4	3	-20						
5	4	-80						
6	5	-120						
7	6	-160						
98	7	Blank						
8	8	IC3031-5	MSS1560					
9	9	-10						
10	F65360	-20						
11	1	-50						
12	2	-80						
13	3	-120						
14	4	-160						
15	5	ICV3031-50	MSS1623					
								7/1/13 MR

MS002-04
Date: 8/29/06

Dilution Solvent: BTJ DCM Lot: D;556 **Review:**

ACCUTEST LABORATORIES MC23273

Accutest Laboratories of New England, Inc.

Instrument: GCMS F

GCMS Analysis Log - Extractables

Run Date: 08/09/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 µg/mL
MSS1625	AB8270 Cal. Std.	50/80
MSS1594J	↓ Int. Std.	40000

Column Information: Front ZB-5MSi

Rear N/A

Sequence File: P130809.S

Quantitation Methods: DFTPP.M

F130701.8270T.M

Instrument Run Batches: MSF3058

Inj. Vol:

Data Acquisition Methods: F8270FAST.M Inj. Vol: 1

ICAL verified:

Sequence verified: 8/12/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98 X	F1606058	Blank	N/A		N/A	N/A	N/A	
99 X	↓ 9	DFTPP						
100 X	F1606060	CC3031-80						TCL42
96 X	1	↓ -50	↓		↓			
1 X	2	OP34292-MB	OP34292		SOIL			
2 X	3	-BS				↓		
3 X	4	-MS				5X		
4 X	5	↓ -MSD				5X		
5 X	6	MC23133-1	↓		↓	5X		
19 X	7	OP34276-MB	OP34276		AQ	N/A		
20 X	8	↓ -BS						
21 X	↓ 9	MC23251-7						
22	F1606070	OP34276-MS						
23	1	-MSD						
24	2	↓ -TAP	↓		↓	↓		TAP#
6	3	MC23214-1	OP34292		SOIL	5X		
25	4	MC23158-1	OP34223		AQ	N/A		
7	5	JB42287-254	OP34292		SOIL	5X		
8	6	↓ -30U				5X		
9	7	MC23134-1				5X		
10	8	MC23228-1				N/A		
11	↓ 9	-2						
12	F1606080	↓ -3						
13	1	MC23272-1						
14	2	-3						
15	3	-4						
16	4	-5				↓		
17	5	↓ -6				5X		
18	↓ 6	MC23273-23	↓		↓	N/A		
98 X	F1606087-90	Blank	N/A		N/A	↓	↓	
								8/12/13 KR

MS002-04

Date: 8/29/06 Dilution Solvent: B+J DCM Lot: DI925 **Review:**

ACCUTEST LABORATORIES MC23273

ACCUTEST LABORATORIES

Approximate Gram weight equals +/- 0.5g

Extracted by: MB
Spike Witness: BJT
Concentrated by: PA 8/8
Fractionated by:

Date/Time: 8/6/13 1100
Date/Time:
Batch: OP34292
Matrix: **Soil/Solid**; Sand Lot: B820PAH
Analysis Method: 8270SL, TCL42

Extraction Method: ASE #1 | ASE #2 | ASE #3 | ASE # 4 | Sonicate
Soxhlet: SW 3540C | SW 3545A | SW 3545A | SW3545A | SW3545A | SW3550B
Waste Dilution: SW3580 Micro: ~~SW 3546~~

	Sample	Bottle No.	ASE Position	Initial Weight (g)	Final Volume (ml)	**Cleanup/Comments (3660B, 3630, 3665, other)	Received by: Date:
1	OP34292 MB	NA		20.01	1.0		
2	BS	L		20.93			
3	mc23133-1 MS	2		20.35			
4	-1 MSD	2		20.54			
5	mc23214-1	2		20.40			
6	mc23133-1	2		20.12			
7	mc23134-1	2		20.48			
8	mc23228-1	1		20 26			
9	-2			20 46			
10	-3			20 17			
11	mc23272-1			20 85			
12	-3			20 09			
13	-4			20 34			
14	-5			20 50			
15	-6	L		20.17			
16	mc23273-23	1		20.66			
17	JB42287-25u	1		20.52			
18	-30u	1		20.24			
19							
20							
21					pH 8/8		
22							
23							
24							
25							

Fraction	Bottle #	Lot #	Concentration	Volume
Surrogate: ABN	1	6938	500 ug/mL	100uL
Surrogate:				
Spike: BN	1	6940	500 ug/mL	100 uL
Spike: acid	1	6933	500 ug/mL	100 uL
Spike: custom	3	6816	2000 ug/mL	25 uL
Spike: APG	1	6900	30 ug/mL	1.0 mL
Spike:				
Hexane Frac. Volume:	NA	NA	NA	
Soxhlet Start/Stop Date/Time:			Filter Paper Lot # 5741	

H2SO4 Lot #	
Ether:	
MeCl2:	DI 823
Hexane:	
MeCl2/Acetone:	
Acetone:	132442
Acetonitrile:	
Na Sulfate Lot #:	B772
Silica Lot #:	
SPE MFG/Lot #:	
Copper:	
Hydromatrix:	
Florisil:	
Sand Lot #:	

Balance ID: 8
Water Bath Temp: 40°C Water Bath ID: 21, 22, 20
Laboratory Percent Humidity:

*Note volume of extract: N = Normal
L = Low

Reviewed by:
Tray #: LC-11

** Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup; 3620 = Florisil
**For Soxhlet extraction document date/time started and finished

OP001-16 (10/23/12)

New England ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:34	MA15961-STD1	1		STD1
08:39	MA15961-STD2	1		STD2
08:43	MA15961-STD3	1		STD3
08:47	MA15961-STD4	1		STD4
08:52	MA15961-ICV1	1		
09:00	MA15961-ICB1	1		
09:04	MA15961-CCV1	1		
09:15	ZZZZZZ	1		DNR: SEE RERUN FOR CCB.
09:22	MA15961-CCB1	1		
09:28	MA15961-CRI1	1		
09:32	MA15961-CRI2	1		
09:39	MA15961-ICSA1	1		
09:43	MA15961-ICSAB1	1		
09:48	MP21454-B1	1		
09:52	MP21454-MB1	1		
09:56	MP21454-S1	1		ISTD Y3710 FAILURE; MS OUT FOR B, SE, TI & ZN, NEED PS.
10:01	MP21454-S2	1		ISTD Y3710 FAILURE.
10:05	MC23211-2	1		(sample used for QC only; not part of login MC23273)
10:09	MP21454-SD1	5		
10:14	MA15961-CCV2	1		
10:18	MA15961-CCB2	1		
10:24	MP21454-B2	1		
10:28	ZZZZZZ	1		
10:32	ZZZZZZ	1		
10:37	ZZZZZZ	1		
10:41	ZZZZZZ	1		
10:46	ZZZZZZ	1		
10:50	ZZZZZZ	1		
10:54	ZZZZZZ	1		
10:58	ZZZZZZ	1		
11:03	ZZZZZZ	1		
11:07	MA15961-CCV3	1		
11:11	MA15961-CCB3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:16	ZZZZZZ	1		
11:20	ZZZZZZ	1		
11:25	ZZZZZZ	1		
11:29	ZZZZZZ	1		
11:33	ZZZZZZ	1		
11:38	ZZZZZZ	1		
11:42	ZZZZZZ	1		
11:46	ZZZZZZ	1		
11:51	ZZZZZZ	1		
11:55	ZZZZZZ	1		
12:00	MA15961-CCV4	1		
12:04	MA15961-CCB4	1		
12:08	MP21459-B1	1		
12:12	MP21459-MB1	1		
12:17	MP21459-S1	1		
12:21	MP21459-S2	1		
12:25	MC23198-1F	1		(sample used for QC only; not part of login MC23273)
12:30	MP21459-SD1	5		
12:34	MP21459-B2	1		
12:38	MP21459-MB2	1		
12:43	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:51	MA15961-CCV5	1		
12:56	MA15961-CCB5	1		
13:00	ZZZZZZ	1		
13:04	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:13	ZZZZZZ	1		
13:18	ZZZZZZ	1		
13:22	ZZZZZZ	1		
13:27	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:36	MP21454-S1	2		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:40	MP21454-S2	2		
13:45	MA15961-CCV6	1		
13:49	MA15961-CCB6	1		
13:53	MC23211-2	2		(sample used for QC only; not part of login MC23273)
13:58	MP21454-SD1	10		
14:08	ZZZZZZ	1		DNR: SEE RERUN FOR CRI.
14:15	MA15961-CRI3	1		
14:21	ZZZZZZ	1		DNR: SEE RERUN FOR CRI.
14:29	MA15961-CRI4	1		
14:37	MA15961-ICSA2	1		
14:41	MA15961-ICSAB2	1		
14:46	MA15961-CCV7	1		
14:50	MA15961-CCB7	1		
14:54	MA15961-CRIA1	1		
14:59	MP21470-B1	1		
15:03	MP21470-MB1	1		
15:07	MP21470-S1	1		
15:11	MP21470-S2	1		
15:16	JB42561-22T	1		(sample used for QC only; not part of login MC23273)
15:20	MP21470-SD1	5		
15:24	MP21470-LC1	1		
15:29	ZZZZZZ	1		
15:33	MC23273-23	1		
15:37	MA15961-CCV8	1		
15:41	MA15961-CCB8	1		
15:46	MP21462-B1	1		
15:50	MP21462-MB1	1		
15:54	MP21462-S1	1		
15:59	MP21462-S2	1		
16:03	MC23218-2	1		(sample used for QC only; not part of login MC23273)
16:07	MP21462-SD1	5		
16:12	MP21462-B2	1		
16:16	MP21462-LC1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:20	MP21462-S3	1		MS OUT FOR B, NEED PS.
16:24	MP21462-S4	1		
16:29	MA15961-CCV9	1		
16:33	MA15961-CCB9	1		
16:37	MC23230-1	1		(sample used for QC only; not part of login MC23273)
16:42	ZZZZZZ	1		
16:46	ZZZZZZ	1		
16:50	ZZZZZZ	1		
16:55	ZZZZZZ	1		
16:59	ZZZZZZ	1		
17:03	ZZZZZZ	1		
17:08	ZZZZZZ	1		
17:12	ZZZZZZ	1		
17:16	ZZZZZZ	1		
17:21	MA15961-CCV10	1		
17:25	MA15961-CCB10	1		
17:29	ZZZZZZ	1		
17:33	ZZZZZZ	1		
17:38	ZZZZZZ	1		
17:42	ZZZZZZ	1		
17:47	ZZZZZZ	1		
17:51	ZZZZZZ	1		
17:55	ZZZZZZ	1		
18:00	ZZZZZZ	1		
18:04	ZZZZZZ	1		
18:08	MP21457-B1	1		
18:13	MA15961-CCV11	1		
18:17	MA15961-CCB11	1		
18:21	MP21457-MB1	1		
18:26	MP21457-S1	1		
18:30	MP21457-S2	1		
18:34	MC23213-18	1		(sample used for QC only; not part of login MC23273)
18:38	MP21457-SD1	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:43	MP21457-B2	1		
18:47	MP21457-LC1	1		
18:51	ZZZZZZ	1		
18:56	ZZZZZZ	1		
19:00	ZZZZZZ	1		
19:04	MA15961-CCV12	1		
19:08	MA15961-CCB12	1		
19:13	ZZZZZZ	1		
19:17	ZZZZZZ	1		
19:22	ZZZZZZ	1		
19:26	ZZZZZZ	1		
19:30	ZZZZZZ	1		
19:34	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:43	ZZZZZZ	1		
19:47	ZZZZZZ	1		
19:52	ZZZZZZ	1		
19:56	MA15961-CCV13	1		
20:00	MA15961-CCB13	1		
20:05	ZZZZZZ	1		
20:09	ZZZZZZ	1		
20:13	ZZZZZZ	1		
20:18	ZZZZZZ	1		
20:22	ZZZZZZ	1		
20:27	ZZZZZZ	1		
20:31	MP21470-PS1	1		
---------->	Last reportable sample/prep for job MC23273			
20:35	ZZZZZZ	1		RINSECONF.
20:40	MA15961-CCV14	1		
20:44	MA15961-CCB14	1		
20:49	MA15961-CRIA2	1		
20:53	MA15961-ICSA3	1		
20:57	MA15961-ICSAB3	1		
21:02	MA15961-CCV15	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:06	MA15961-CCB15	1		
---------->	Last reportable CCB for job MC23273			
21:10	MA15961-CRIB1	1		
21:15	MP21465-B1	1		
21:19	MP21465-MB1	1		
21:23	MP21465-S1	1		
21:28	MP21465-S2	1		
21:32	MC22060-1R	1		(sample used for QC only; not part of login MC23273)
21:36	MP21465-SD1	5		
21:41	MP21465-B2	1		
21:45	MP21465-LB1	1		
21:49	ZZZZZZ	1		
21:54	MA15961-CCV16	1		
21:58	MA15961-CCB16	1		
22:02	ZZZZZZ	1		
22:07	ZZZZZZ	1		
22:11	ZZZZZZ	1		
22:15	ZZZZZZ	1		
22:20	ZZZZZZ	1		
22:24	ZZZZZZ	1		
22:28	ZZZZZZ	1		
22:33	ZZZZZZ	1		
22:37	ZZZZZZ	1		
22:41	ZZZZZZ	1		
22:46	MA15961-CCV17	1		
22:50	MA15961-CCB17	1		
22:54	ZZZZZZ	1		
22:59	MP21467-B1	1		
23:03	MP21467-MB1	1		
23:08	MP21467-S1	1		
23:12	MP21467-S2	1		
23:17	MC23219-1A	1		(sample used for QC only; not part of login MC23273)
23:21	MP21467-SD1	5		
23:26	MP21467-LB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:30	MP21467-LB2	1		
23:35	MA15961-CCV18	1		
23:39	MA15961-CCB18	1		
23:43	MP21467-LS1	1		
23:48	ZZZZZZ	1		
23:52	ZZZZZZ	1		
23:57	ZZZZZZ	1		
00:02	ZZZZZZ	1		
00:06	ZZZZZZ	1		
00:11	ZZZZZZ	1		
00:16	ZZZZZZ	1		
00:20	ZZZZZZ	1		
00:25	ZZZZZZ	1		
00:29	MA15961-CCV19	1		
00:34	MA15961-CCB19	1		
00:38	MA15961-CRIB2	1		
00:42	MA15961-ICSA4	1		
00:47	MA15961-ICSAB4	1		
00:51	MA15961-CCV20	1		
00:56	MA15961-CCB20	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
08:34	MA15961-STD1	1385 R	55372 R	10477 R
08:39	MA15961-STD2	1397	56061	9992
08:43	MA15961-STD3			10282
08:47	MA15961-STD4	1419	54757	10141
08:52	MA15961-ICV1	1394	54241	9952
09:00	MA15961-ICB1	1404	54206	10159
09:04	MA15961-CCV1	1384	53059	10103
09:15	ZZZZZZ	1404	52842	9923
09:22	MA15961-CCB1	1384	52415	9984
09:28	MA15961-CRI1	1409	54426	10316
09:32	MA15961-CRI2	1397	53896	10343
09:39	MA15961-ICSA1	1241	50072	10238
09:43	MA15961-ICSAB1	1254	50028	10244
09:48	MP21454-B1	1368	53645	10307
09:52	MP21454-MB1	1377	54089	10542
09:56	MP21454-S1	1691	68169	13637 !a
10:01	MP21454-S2	1694	69045	13706 !a
10:05	MC23211-2	1691	68416	13510
10:09	MP21454-SD1	1439	56497	11200
10:14	MA15961-CCV2	1360	53220	10349
10:18	MA15961-CCB2	1384	53909	10406
10:24	MP21454-B2	1359	52864	10364
10:28	ZZZZZZ	1371	53222	10576
10:32	ZZZZZZ	1378	53662	10566
10:37	ZZZZZZ	1358	52891	10414
10:41	ZZZZZZ	1369	53170	10617
10:46	ZZZZZZ	1384	53306	10572
10:50	ZZZZZZ	1381	54374	10503
10:54	ZZZZZZ	1388	53526	10609
10:58	ZZZZZZ	1392	53763	10566
11:03	ZZZZZZ	1374	53383	10523
11:07	MA15961-CCV3	1378	53454	10368
11:11	MA15961-CCB3	1399	53954	10396

INTERNAL STANDARD SUMMARY

Login Number: MC23273
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File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
11:16	ZZZZZZ	1372	53194	10634
11:20	ZZZZZZ	1468	57598	11508
11:25	ZZZZZZ	1581	63541	12701
11:29	ZZZZZZ	1761	71676	14206 !a
11:33	ZZZZZZ	1400	55217	10940
11:38	ZZZZZZ	1373	53595	10563
11:42	ZZZZZZ	1355	50614	10326
11:46	ZZZZZZ	1366	53389	10537
11:51	ZZZZZZ	1359	53090	10548
11:55	ZZZZZZ	1376	53605	10488
12:00	MA15961-CCV4	1368	53535	10486
12:04	MA15961-CCB4	1383	53585	10398
12:08	MP21459-B1	1366	53519	10518
12:12	MP21459-MB1	1376	53880	10376
12:17	MP21459-S1	1366	53818	10380
12:21	MP21459-S2	1362	52962	10394
12:25	MC23198-1F	1381	53818	10571
12:30	MP21459-SD1	1382	53642	10309
12:34	MP21459-B2	1368	53687	10428
12:38	MP21459-MB2	1377	53865	10516
12:43	ZZZZZZ	1376	53878	10628
12:47	ZZZZZZ	1375	56547	10518
12:51	MA15961-CCV5	1372	53955	10511
12:56	MA15961-CCB5	1381	53283	10373
13:00	ZZZZZZ	1342	52372	10252
13:04	ZZZZZZ	1366	54079	10985
13:09	ZZZZZZ	1336	52728	10291
13:13	ZZZZZZ	1338	52817	10193
13:18	ZZZZZZ	1357	52986	10552
13:22	ZZZZZZ	1361	53241	10569
13:27	ZZZZZZ	1363	52889	10329
13:31	ZZZZZZ	1364	53244	10481
13:36	MP21454-S1	1523	61502	11940

INTERNAL STANDARD SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
13:40	MP21454-S2	1539	61854	11990
13:45	MA15961-CCV6	1359	53940	10457
13:49	MA15961-CCB6	1386	53872	10545
13:53	MC23211-2	1533	61350	12012
13:58	MP21454-SD1	1416	55717	10914
14:08	ZZZZZZ	1389	53726	10507
14:15	MA15961-CRI3	1398	54800	10369
14:21	ZZZZZZ	1377	53781	10452
14:29	MA15961-CRI4	1382	54203	10343
14:37	MA15961-ICSA2	1240	49903	10433
14:41	MA15961-ICSAB2	1241	49958	10143
14:46	MA15961-CCV7	1356	53838	10539
14:50	MA15961-CCB7	1379	54501	10477
14:54	MA15961-CRIA1	1364	54112	10336
14:59	MP21470-B1	1366	54233	10425
15:03	MP21470-MB1	1379	54492	10411
15:07	MP21470-S1	1525	60443	11925
15:11	MP21470-S2	1518	62006	11600
15:16	JB42561-22T	1542	60603	11853
15:20	MP21470-SD1	1406	55536	10701
15:24	MP21470-LC1	1457	58095	11336
15:29	ZZZZZZ	1398	56381	11166
15:33	MC23273-23	1429	57385	11154
15:37	MA15961-CCV8	1374	53943	10600
15:41	MA15961-CCB8	1382	54328	10510
15:46	MP21462-B1	1368	54206	10360
15:50	MP21462-MB1	1382	54920	10705
15:54	MP21462-S1	1485	58465	11300
15:59	MP21462-S2	1479	61737	11525
16:03	MC23218-2	1489	59281	11698
16:07	MP21462-SD1	1405	55597	10733
16:12	MP21462-B2	1359	53890	10378
16:16	MP21462-LC1	1474	58879	11552

INTERNAL STANDARD SUMMARY

Login Number: MC23273
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Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
16:20	MP21462-S3	1366	54372	10497
16:24	MP21462-S4	1381	54678	10194
16:29	MA15961-CCV9	1366	54328	10774
16:33	MA15961-CCB9	1384	55624	10607
16:37	MC23230-1	1403	54992	10649
16:42	ZZZZZZ	1390	54781	10725
16:46	ZZZZZZ	1389	54792	10667
16:50	ZZZZZZ	1451	58693	11952
16:55	ZZZZZZ	1427	56924	11175
16:59	ZZZZZZ	1431	57508	11131
17:03	ZZZZZZ	1482	60023	11809
17:08	ZZZZZZ	1494	59770	11659
17:12	ZZZZZZ	1442	57994	11515
17:16	ZZZZZZ	1612	64440	12638
17:21	MA15961-CCV10	1363	54049	10623
17:25	MA15961-CCB10	1378	54805	10550
17:29	ZZZZZZ	1470	59312	11624
17:33	ZZZZZZ	1486	60545	11616
17:38	ZZZZZZ	1481	60523	11787
17:42	ZZZZZZ	1482	60097	11818
17:47	ZZZZZZ	1339	54077	11168
17:51	ZZZZZZ	1544	61828	12036
17:55	ZZZZZZ	1498	60477	11793
18:00	ZZZZZZ	1528	60530	11783
18:04	ZZZZZZ	1446	58902	11785
18:08	MP21457-B1	1374	55631	10575
18:13	MA15961-CCV11	1371	54432	10513
18:17	MA15961-CCB11	1378	54374	10506
18:21	MP21457-MB1	1382	54579	10587
18:26	MP21457-S1	1438	57691	11181
18:30	MP21457-S2	1442	58127	11668
18:34	MC23213-18	1470	58012	11415
18:38	MP21457-SD1	1383	55503	10750

INTERNAL STANDARD SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
18:43	MP21457-B2	1358	53791	10421
18:47	MP21457-LC1	1468	59039	11561
18:51	ZZZZZZ	1467	58826	11697
18:56	ZZZZZZ	1458	58319	11548
19:00	ZZZZZZ	1560	62452	12251
19:04	MA15961-CCV12	1363	54075	10638
19:08	MA15961-CCB12	1369	54915	10420
19:13	ZZZZZZ	1457	58412	11503
19:17	ZZZZZZ	1430	58350	11533
19:22	ZZZZZZ	1442	57874	11341
19:26	ZZZZZZ	1431	57398	11099
19:30	ZZZZZZ	1481	59528	11555
19:34	ZZZZZZ	1463	58103	11502
19:39	ZZZZZZ	1492	59651	11748
19:43	ZZZZZZ	1442	57363	11396
19:47	ZZZZZZ	1476	58890	11643
19:52	ZZZZZZ	1482	58934	11570
19:56	MA15961-CCV13	1380	54115	10780
20:00	MA15961-CCB13	1404	54436	10881
20:05	ZZZZZZ	1502	58601	11793
20:09	ZZZZZZ	1490	58722	11842
20:13	ZZZZZZ	1530	60461	12135
20:18	ZZZZZZ	1385	55336	11372
20:22	ZZZZZZ	1431	57392	11655
20:27	ZZZZZZ	1446	58615	11574
20:31	MP21470-PS1	1545	61825	11919
20:35	ZZZZZZ	1394	54993	10676
20:40	MA15961-CCV14	1365	53842	10680
20:44	MA15961-CCB14	1379	54305	10619
20:49	MA15961-CRIA2	1379	54242	10727
20:53	MA15961-ICSA3	1242	50276	10506
20:57	MA15961-ICSAB3	1254	50558	10384
21:02	MA15961-CCV15	1381	54432	10774

INTERNAL STANDARD SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
21:06	MA15961-CCB15	1404	54655	10553
21:10	MA15961-CRIB1	1403	54814	10714
21:15	MP21465-B1	1400	53767	10944
21:19	MP21465-MB1	1406	55112	10912
21:23	MP21465-S1	1403	54409	10953
21:28	MP21465-S2	1406	54899	10932
21:32	MC22060-1R	1400	55088	10919
21:36	MP21465-SD1	1391	54592	10671
21:41	MP21465-B2	1383	54259	10753
21:45	MP21465-LB1	1389	54800	10714
21:49	ZZZZZZ	1381	55530	10846
21:54	MA15961-CCV16	1380	54292	10826
21:58	MA15961-CCB16	1399	54701	10835
22:02	ZZZZZZ	1396	54779	10748
22:07	ZZZZZZ	1398	55742	11076
22:11	ZZZZZZ	1388	54104	10904
22:15	ZZZZZZ	1383	54102	10802
22:20	ZZZZZZ	1378	54803	10780
22:24	ZZZZZZ	1380	54818	10909
22:28	ZZZZZZ	1386	54302	10768
22:33	ZZZZZZ	1384	54640	10847
22:37	ZZZZZZ	1386	54196	10882
22:41	ZZZZZZ	1391	54496	10826
22:46	MA15961-CCV17	1386	54099	10861
22:50	MA15961-CCB17	1406	54887	10725
22:54	ZZZZZZ	1407	54853	10886
22:59	MP21467-B1	1418	54649	10967
23:03	MP21467-MB1	1404	54919	10877
23:08	MP21467-S1	1352	54106	10834
23:12	MP21467-S2	1350	49779	10954
23:17	MC23219-1A	1351	54350	11002
23:21	MP21467-SD1	1373	54648	10843
23:26	MP21467-LB1	1405	54240	10639

INTERNAL STANDARD SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15961
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
23:30	MP21467-LB2	1394	55667	11172
23:35	MA15961-CCV18	1368	54483	10709
23:39	MA15961-CCB18	1389	54306	10738
23:43	MP21467-LS1	1359	53697	10731
23:48	ZZZZZZ	1367	53933	10992
23:52	ZZZZZZ	1348	52977	10518
23:57	ZZZZZZ	1348	52832	10564
00:02	ZZZZZZ	1337	52696	10671
00:06	ZZZZZZ	1360	53139	10731
00:11	ZZZZZZ	1378	53574	10828
00:16	ZZZZZZ	1355	53221	10700
00:20	ZZZZZZ	1350	53182	10704
00:25	ZZZZZZ	1337	52695	10618
00:29	MA15961-CCV19	1374	54482	10703
00:34	MA15961-CCB19	1398	54928	10775
00:38	MA15961-CRIB2	1393	54724	10890
00:42	MA15961-ICSA4	1252	50333	10564
00:47	MA15961-ICSAB4	1255	50421	10360
00:51	MA15961-CCV20	1366	54273	10704
00:56	MA15961-CCB20	1375	54341	10697

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

(a) No element reported by this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15961 Units: ug/l

Time: / Sample ID:			09:00 ICB1		09:22 CCB1		10:18 CCB2		11:11 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12								
Antimony	6.0	1.1								
Arsenic	4.0	1.7	2.0	<4.0	1.7	<4.0	2.6	<4.0	1.4	<4.0
Barium	50	.32	0.0	<50	-0.20	<50	0.0	<50	-0.20	<50
Beryllium	4.0	.1								
Boron	100	1.1	anr							
Cadmium	4.0	.25	0.20	<4.0	-0.10	<4.0	0.10	<4.0	0.0	<4.0
Calcium	5000	21								
Chromium	10	.48	-0.20	<10	-0.50	<10	-0.20	<10	-0.40	<10
Cobalt	50	.29								
Copper	25	.93	anr							
Gold	50	1.5								
Iron	100	3.5								
Lead	5.0	1.2	0.50	<5.0	1.9	<5.0	1.5	<5.0	1.8	<5.0
Magnesium	5000	30								
Manganese	15	.16								
Molybdenum	100	.31								
Nickel	40	.45	anr							
Palladium	50	2.2								
Platinum	50	6.4								
Potassium	5000	54								
Selenium	10	1.7	2.3	<10	-0.20	<10	0.40	<10	1.5	<10
Silicon	100	2								
Silver	5.0	.81	-0.30	<5.0	0.40	<5.0	0.0	<5.0	0.10	<5.0
Sodium	5000	16								
Strontium	10	.12								
Thallium	5.0	1.2								
Tin	100	.87								
Titanium	50	.66	anr							
Tungsten	100	9.3								
Vanadium	10	.82								
Zinc	20	.45	anr							
Zirconium	50	.45								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15961 Units: ug/l

Time:			12:04		12:56		13:49		14:50	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12								
Antimony	6.0	1.1								
Arsenic	4.0	1.7	1.3	<4.0	1.5	<4.0	1.9	<4.0	0.90	<4.0
Barium	50	.32	-0.30	<50	-0.20	<50	0.10	<50	0.0	<50
Beryllium	4.0	.1								
Boron	100	1.1	anr							
Cadmium	4.0	.25	0.0	<4.0	0.0	<4.0	0.10	<4.0	0.30	<4.0
Calcium	5000	21								
Chromium	10	.48	-0.20	<10	-0.40	<10	-0.20	<10	-0.10	<10
Cobalt	50	.29								
Copper	25	.93	anr							
Gold	50	1.5								
Iron	100	3.5								
Lead	5.0	1.2	1.7	<5.0	1.5	<5.0	1.4	<5.0	1.2	<5.0
Magnesium	5000	30								
Manganese	15	.16								
Molybdenum	100	.31								
Nickel	40	.45	anr							
Palladium	50	2.2								
Platinum	50	6.4								
Potassium	5000	54								
Selenium	10	1.7	0.90	<10	1.1	<10	1.1	<10	1.0	<10
Silicon	100	2								
Silver	5.0	.81	-0.30	<5.0	0.20	<5.0	0.0	<5.0	-0.10	<5.0
Sodium	5000	16								
Strontium	10	.12								
Thallium	5.0	1.2								
Tin	100	.87								
Titanium	50	.66	anr							
Tungsten	100	9.3								
Vanadium	10	.82								
Zinc	20	.45	anr							
Zirconium	50	.45								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15961 Units: ug/l

Time: / Sample ID:			15:41 CCB8		16:33 CCB9		17:25 CCB10		18:17 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12								
Antimony	6.0	1.1								
Arsenic	4.0	1.7	1.1	<4.0	1.2	<4.0	1.1	<4.0	2.5	<4.0
Barium	50	.32	0.0	<50	0.0	<50	-0.20	<50	-0.10	<50
Beryllium	4.0	.1								
Boron	100	1.1	anr							
Cadmium	4.0	.25	0.0	<4.0	-0.10	<4.0	0.10	<4.0	-0.10	<4.0
Calcium	5000	21								
Chromium	10	.48	-0.60	<10	-0.20	<10	-0.30	<10	-0.40	<10
Cobalt	50	.29								
Copper	25	.93	anr							
Gold	50	1.5								
Iron	100	3.5								
Lead	5.0	1.2	1.3	<5.0	0.20	<5.0	1.6	<5.0	1.0	<5.0
Magnesium	5000	30								
Manganese	15	.16								
Molybdenum	100	.31								
Nickel	40	.45	anr							
Palladium	50	2.2								
Platinum	50	6.4								
Potassium	5000	54								
Selenium	10	1.7	0.60	<10	1.1	<10	0.70	<10	1.8	<10
Silicon	100	2								
Silver	5.0	.81	-0.40	<5.0	-0.10	<5.0	-0.30	<5.0	0.10	<5.0
Sodium	5000	16								
Strontium	10	.12								
Thallium	5.0	1.2								
Tin	100	.87								
Titanium	50	.66	anr							
Tungsten	100	9.3								
Vanadium	10	.82								
Zinc	20	.45	anr							
Zirconium	50	.45								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15961 Units: ug/l

Time: / Sample ID:			19:08 CCB12		20:00 CCB13		20:44 CCB14		21:06 CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12								
Antimony	6.0	1.1								
Arsenic	4.0	1.7	0.20	<4.0	0.80	<4.0	1.2	<4.0	0.70	<4.0
Barium	50	.32	0.0	<50	-0.10	<50	-0.10	<50	0.0	<50
Beryllium	4.0	.1								
Boron	100	1.1	anr							
Cadmium	4.0	.25	0.20	<4.0	0.0	<4.0	0.0	<4.0	0.0	<4.0
Calcium	5000	21								
Chromium	10	.48	0.0	<10	-0.60	<10	-0.60	<10	-0.40	<10
Cobalt	50	.29								
Copper	25	.93	anr							
Gold	50	1.5								
Iron	100	3.5								
Lead	5.0	1.2	1.8	<5.0	0.90	<5.0	1.8	<5.0	1.8	<5.0
Magnesium	5000	30								
Manganese	15	.16								
Molybdenum	100	.31								
Nickel	40	.45	anr							
Palladium	50	2.2								
Platinum	50	6.4								
Potassium	5000	54								
Selenium	10	1.7	1.6	<10	1.2	<10	1.5	<10	1.9	<10
Silicon	100	2								
Silver	5.0	.81	-0.70	<5.0	-0.20	<5.0	-0.10	<5.0	0.50	<5.0
Sodium	5000	16								
Strontium	10	.12								
Thallium	5.0	1.2								
Tin	100	.87								
Titanium	50	.66	anr							
Tungsten	100	9.3								
Vanadium	10	.82								
Zinc	20	.45	anr							
Zirconium	50	.45								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:		08:52			09:04			10:14	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	3000	2980	99.3	2000	1950	97.5	2000	1980	99.0
Barium	3000	3000	100.0	2000	1900	95.0	2000	1890	94.5
Beryllium									
Boron	anr								
Cadmium	3000	2970	99.0	2000	1930	96.5	2000	1990	99.5
Calcium									
Chromium	3000	3070	102.3	2000	1990	99.5	2000	1940	97.0
Cobalt									
Copper	anr								
Gold									
Iron									
Lead	3000	2940	98.0	2000	1920	96.0	2000	1930	96.5
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	3000	2960	98.7	2000	1970	98.5	2000	2000	100.0
Silicon									
Silver	500	517	103.4	250	245	98.0	250	247	98.8
Sodium									
Strontium									
Thallium									
Tin									
Titanium	anr								
Tungsten									
Vanadium									
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:		11:07			12:00			12:51	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	2000	1960	98.0	2000	1980	99.0	2000	1990	99.5
Barium	2000	1890	94.5	2000	1880	94.0	2000	1870	93.5
Beryllium									
Boron	anr								
Cadmium	2000	1960	98.0	2000	1990	99.5	2000	1990	99.5
Calcium									
Chromium	2000	1960	98.0	2000	1970	98.5	2000	1960	98.0
Cobalt									
Copper	anr								
Gold									
Iron									
Lead	2000	1920	96.0	2000	1930	96.5	2000	1930	96.5
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	2000	1990	99.5	2000	2000	100.0	2000	2000	100.0
Silicon									
Silver	250	246	98.4	250	250	100.0	250	247	98.8
Sodium									
Strontium									
Thallium									
Tin									
Titanium	anr								
Tungsten									
Vanadium									
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:		13:45			14:46			15:37	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	2000	2010	100.5	2000	2010	100.5	2000	2010	100.5
Barium	2000	1880	94.0	2000	1880	94.0	2000	1860	93.0
Beryllium									
Boron	anr								
Cadmium	2000	2020	101.0	2000	2030	101.5	2000	2020	101.0
Calcium									
Chromium	2000	1960	98.0	2000	1960	98.0	2000	1960	98.0
Cobalt									
Copper	anr								
Gold									
Iron									
Lead	2000	1950	97.5	2000	1950	97.5	2000	1950	97.5
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	2000	2020	101.0	2000	2010	100.5	2000	2020	101.0
Silicon									
Silver	250	249	99.6	250	249	99.6	250	250	100.0
Sodium									
Strontium									
Thallium									
Tin									
Titanium	anr								
Tungsten									
Vanadium									
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:		16:29			17:21			18:13	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	2000	2010	100.5	2000	2020	101.0	2000	2030	101.5
Barium	2000	1870	93.5	2000	1870	93.5	2000	1900	95.0
Beryllium									
Boron	anr								
Cadmium	2000	2020	101.0	2000	2030	101.5	2000	2030	101.5
Calcium									
Chromium	2000	1950	97.5	2000	1960	98.0	2000	1970	98.5
Cobalt									
Copper	anr								
Gold									
Iron									
Lead	2000	1940	97.0	2000	1950	97.5	2000	1960	98.0
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	2000	2010	100.5	2000	2020	101.0	2000	2030	101.5
Silicon									
Silver	250	248	99.2	250	248	99.2	250	250	100.0
Sodium									
Strontium									
Thallium									
Tin									
Titanium	anr								
Tungsten									
Vanadium									
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:		19:04			19:56			20:40	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	2000	2020	101.0	2000	2020	101.0	2000	1990	99.5
Barium	2000	1860	93.0	2000	1850	92.5	2000	1850	92.5
Beryllium									
Boron	anr								
Cadmium	2000	2040	102.0	2000	2020	101.0	2000	2010	100.5
Calcium									
Chromium	2000	1960	98.0	2000	1960	98.0	2000	1940	97.0
Cobalt									
Copper	anr								
Gold									
Iron									
Lead	2000	1960	98.0	2000	1950	97.5	2000	1930	96.5
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	2000	2030	101.5	2000	2030	101.5	2000	2010	100.5
Silicon									
Silver	250	250	100.0	250	249	99.6	250	248	99.2
Sodium									
Strontium									
Thallium									
Tin									
Titanium	anr								
Tungsten									
Vanadium									
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:		21:02	
Sample ID:	CCV	CCV15	
Metal	True	Results	% Rec
Aluminum			
Antimony			
Arsenic	2000	2010	100.5
Barium	2000	1840	92.0
Beryllium			
Boron	anr		
Cadmium	2000	2000	100.0
Calcium			
Chromium	2000	1950	97.5
Cobalt			
Copper	anr		
Gold			
Iron			
Lead	2000	1940	97.0
Magnesium			
Manganese			
Molybdenum			
Nickel	anr		
Palladium			
Platinum			
Potassium			
Selenium	2000	2020	101.0
Silicon			
Silver	250	247	98.8
Sodium			
Strontium			
Thallium			
Tin			
Titanium	anr		
Tungsten			
Vanadium			
Zinc	anr		
Zirconium			

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA15961 Units: ug/l

Time: / Sample ID: / Metal	CRI True	CRIA True	09:28 CRI1 Results	% Rec	09:32 CRI2 Results	% Rec	14:15 CRI3 Results	% Rec	14:29 CRI4 Results	% Rec
Aluminum	200	200								
Antimony	6.0	10								
Arsenic	4.0	10			4.7	117.5			3.8	95.0
Barium	50	50			49.4	98.8			48.1	96.2
Beryllium	4.0	4.0								
Boron	100	100								
Cadmium	4.0	4.0			3.8	95.0			4.1	102.5
Calcium	5000	5000								
Chromium	5.0	10	5.0	100.0			4.7	94.0		
Cobalt	50	50								
Copper	25	25								
Gold	50	50								
Iron	100	100								
Lead	3.0	10	3.5	116.7			3.4	113.3		
Magnesium	5000	5000								
Manganese	15	15								
Molybdenum	100	100								
Nickel	40	40								
Palladium	50	50								
Platinum	50	50								
Potassium	5000	5000								
Selenium	10	10			11.0	110.0			10.2	102.0
Silicon	100	100								
Silver	5.0	5.0			5.6	112.0			5.1	102.0
Sodium	5000	5000								
Strontium	10	10								
Thallium	5.0	10								
Tin	100	100								
Titanium	50	50								
Tungsten	100	100								
Vanadium	10	10								
Zinc	20	20								
Zirconium	50	50								

(*) Outside of QC limits

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA15961 Units: ug/l

Time:			14:54		20:49	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	200	200				
Antimony	6.0	10				
Arsenic	4.0	10	12.6	126.0	10.7	107.0
Barium	50	50	48.4	96.8	47.8	95.6
Beryllium	4.0	4.0				
Boron	100	100	anr			
Cadmium	4.0	4.0	4.4	110.0	4.2	105.0
Calcium	5000	5000				
Chromium	5.0	10	9.4	94.0	9.3	93.0
Cobalt	50	50				
Copper	25	25	anr			
Gold	50	50				
Iron	100	100				
Lead	3.0	10	11.9	119.0	11.2	112.0
Magnesium	5000	5000				
Manganese	15	15				
Molybdenum	100	100				
Nickel	40	40	anr			
Palladium	50	50				
Platinum	50	50				
Potassium	5000	5000				
Selenium	10	10	11.2	112.0	10.5	105.0
Silicon	100	100				
Silver	5.0	5.0	4.6	92.0	5.1	102.0
Sodium	5000	5000				
Strontium	10	10				
Thallium	5.0	10				
Tin	100	100				
Titanium	50	50	anr			
Tungsten	100	100				
Vanadium	10	10				
Zinc	20	20	anr			
Zirconium	50	50				

(*) Outside of QC limits

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA15961 Units: ug/l

Time:			09:39		09:43		14:37		14:41	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	527000	105.4	514000	102.8	510000	102.0	524000	104.8
Antimony		2000	-1.1		2160	108.0	0.90		2190	109.5
Arsenic		2000	0.40		2080	104.0	-0.50		2140	107.0
Barium		500	-1.1		494	98.8	-1.0		484	96.8
Beryllium		500	0.10		474	94.8	0.10		463	92.6
Boron		1000	3.4		1070	107.0	3.5		1110	111.0
Cadmium		1000	0.50		1060	106.0	0.70		1100	110.0
Calcium	500000	500000	447000	89.4	450000	90.0	441000	88.2	449000	89.8
Chromium		500	-0.20		482	96.4	0.20		484	96.8
Cobalt		500	1.4		506	101.2	2.1		525	105.0
Copper		500	2.5		521	104.2	0.40		531	106.2
Gold		500	0.70		482	96.4	6.1		491	98.2
Iron	200000	200000	182000	91.0	184000	92.0	175000	87.5	179000	89.5
Lead		1000	0.40		969	96.9	-1.6		997	99.7
Magnesium	500000	500000	489000	97.8	494000	98.8	466000	93.2	474000	94.8
Manganese		500	-0.10		499	99.8	0.10		495	99.0
Molybdenum		1000	-0.40		1000	100.0	-0.90		1030	103.0
Nickel		1000	-1.4		948	94.8	-1.2		953	95.3
Palladium		500	-42		511	102.2	-39		510	102.0
Platinum		500	-30		482	96.4	-25		473	94.6
Potassium			-0.60		-2.8		7.3		51.4	
Selenium		2000	-3.6		2080	104.0	-3.2		2120	106.0
Silicon		2000	53.1		2230	111.5	72.3		2250	112.5
Silver		1000	0.90		1060	106.0	0.20		1070	107.0
Sodium			69.0		94.3		128		125	
Strontium		1000	0.90		965	96.5	0.70		967	96.7
Thallium		2000	-0.50		2060	103.0	-0.30		2150	107.5
Tin		1000	0.10		1060	106.0	-0.40		1060	106.0
Titanium		500	8.0		516	103.2	8.1		509	101.8
Tungsten		2000	-33		1870	93.5	-33		1820	91.0
Vanadium		500	0.0		505	101.0	1.0		518	103.6
Zinc		1000	-0.70		894	89.4	-0.40		932	93.2
Zirconium		500	0.80		443	88.6	0.90		441	88.2

(*) Outside of QC limits

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA15961 Units: ug/l

Time:			20:53		20:57	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	507000	101.4	524000	104.8
Antimony		2000	-0.90		2200	110.0
Arsenic		2000	-0.40		2150	107.5
Barium		500	-1.0		482	96.4
Beryllium		500	0.0		457	91.4
Boron		1000	4.4		1120	112.0
Cadmium		1000	0.70		1100	110.0
Calcium	500000	500000	432000	86.4	443000	88.6
Chromium		500	0.20		485	97.0
Cobalt		500	2.2		527	105.4
Copper		500	0.70		536	107.2
Gold		500	3.6		493	98.6
Iron	200000	200000	174000	87.0	176000	88.0
Lead		1000	-1.4		998	99.8
Magnesium	500000	500000	459000	91.8	465000	93.0
Manganese		500	0.10		493	98.6
Molybdenum		1000	-0.30		1040	104.0
Nickel		1000	-0.50		953	95.3
Palladium		500	-37		509	101.8
Platinum		500	-26		480	96.0
Potassium			45.9		64.4	
Selenium		2000	-5.7		2140	107.0
Silicon		2000	61.1		2250	112.5
Silver		1000	0.40		1080	108.0
Sodium			59.5		59.6	
Strontium		1000	1.0		968	96.8
Thallium		2000	1.1		2170	108.5
Tin		1000	0.40		1060	106.0
Titanium		500	8.4		509	101.8
Tungsten		2000	-40		1790	89.5
Vanadium		500	1.1		517	103.4
Zinc		1000	-0.60		928	92.8
Zirconium		500	0.80		441	88.2

(*) Outside of QC limits

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB080713M1.ICP Date Analyzed: 08/07/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA15961 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H2081313S1.PRN Date Analyzed: 08/13/13 Methods: SW846 7471B
Analyst: SA Run ID: MA15973
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:19	MA15973-STD1	1		STD01REP1
09:21	MA15973-STD2	1		STD02REP1
09:24	MA15973-STD3	1		STD03REP1
09:27	MA15973-STD4	1		STD04REP1
09:30	MA15973-STD5	1		STD05REP1
09:33	MA15973-STD6	1		STD06REP1
09:35	MA15973-STD7	1		STD07REP1
09:38	MA15973-STD8	1		STD08REP1
09:41	MA15973-STD9	1		STD09REP1
09:44	MA15973-ICV1	1		
09:46	MA15973-ICB1	1		
09:49	MA15973-CCV1	1		
09:51	MA15973-CCB1	1		
09:54	MA15973-CRI1	1		
09:57	MP21487-MB1	1		
10:00	MP21487-B1	1		
10:02	MP21487-B2	1		
10:05	MP21487-S1	1		
10:08	MP21487-S2	1		
10:10	MC23415-1	1		(sample used for QC only; not part of login MC23273)
10:13	MP21487-LC1	10		
10:15	ZZZZZZ	1		
10:18	MC23273-23	1		
---------->	Last reportable sample/prep for job MC23273			
10:23	MA15973-CCV2	1		
10:25	MA15973-CCB2	1		
10:28	ZZZZZZ	1		
10:31	ZZZZZZ	1		
10:33	ZZZZZZ	1		
10:36	ZZZZZZ	1		
10:38	ZZZZZZ	1		
10:41	ZZZZZZ	1		
10:43	ZZZZZZ	1		
10:46	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H2081313S1.PRN Date Analyzed: 08/13/13 Methods: SW846 7471B
Analyst: SA Run ID: MA15973
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:48	ZZZZZZ	1		
10:51	ZZZZZZ	1		
10:55	MA15973-CCV3	1		
10:58	MA15973-CCB3	1		
11:00	ZZZZZZ	1		
11:03	ZZZZZZ	1		
11:05	ZZZZZZ	1		
11:08	ZZZZZZ	1		
11:10	ZZZZZZ	1		
11:13	ZZZZZZ	1		
11:15	ZZZZZZ	1		
11:19	ZZZZZZ	1		DNR: SEE RERUN FOR CRI.
11:21	MA15973-CRI2	1		
11:24	MA15973-CCV4	1		
11:26	MA15973-CCB4	1		

----------> Last reportable CCB for job MC23273
Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H2081313S1.PRN Date Analyzed: 08/13/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA15973 Units: ug/l

Time:			09:46		09:51		10:25		10:58	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.018	-0.038	<0.20	-0.018	<0.20	-0.052	<0.20	-0.038	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H2081313S1.PRN Date Analyzed: 08/13/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA15973 Units: ug/l

Time:			11:26	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Mercury	0.20	.018	-0.042	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

8.2.1
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H2081313S1.PRN Date Analyzed: 08/13/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA15973 Units: ug/l

Time:		09:44			09:49			10:23	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	4	3.6	90.0	3.0	3.0	100.0	3	2.6	86.7

(*) Outside of QC limits
(anr) Analyte not requested

8.2.2
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H2081313S1.PRN Date Analyzed: 08/13/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA15973 Units: ug/l

Time:		10:55			11:24	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	3.0	3.0	100.0	3.0	3.0	100.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H2081313S1.PRN Date Analyzed: 08/13/13 Methods: SW846 7471B
QC Limits: 80 to 120 % Recovery Run ID: MA15973 Units: ug/l

Time:			09:54		11:21	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.17	85.0	0.21	105.0

(*) Outside of QC limits
(anr) Analyte not requested

8.2.3
8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/07/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.2	3.6		
Antimony	1.0	.11	.15		
Arsenic	1.0	.17	.21	0.080	<1.0
Barium	5.0	.032	.073	0.030	<5.0
Beryllium	0.40	.01	.024		
Boron	10	.11	.11		
Cadmium	0.40	.025	.042	0.0	<0.40
Calcium	500	2.1	6.3		
Chromium	1.0	.048	.095	-0.030	<1.0
Cobalt	5.0	.029	.047		
Copper	2.5	.093	.56		
Gold	5.0	.15	.43		
Iron	10	.35	.87		
Lead	1.0	.12	.17	0.18	<1.0
Magnesium	500	3	5.1		
Manganese	1.5	.016	.04		
Molybdenum	10	.031	.07		
Nickel	4.0	.045	.044		
Palladium	5.0	.22	.64		
Platinum	5.0	.64	1.5		
Potassium	500	5.4	8.6		
Selenium	1.0	.17	.35	0.16	<1.0
Silicon	10	.2	3.3		
Silver	0.50	.081	.13	0.0	<0.50
Sodium	500	1.6	3.3		
Strontium	1.0	.012	.03		
Thallium	1.0	.12	.13		
Tin	10	.087	.14		
Titanium	5.0	.066	.14		
Tungsten	10	.93	.94		
Vanadium	1.0	.082	.13		
Zinc	2.0	.045	.16		
Zirconium	5.0	.045	.088		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21470: MC23273-23

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/07/13

Metal	JB42561-22T Original	MS	Spikelot MPICP	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	3.7	44.6	44.6	91.8	75-125
Barium	117	270	178	85.8	75-125
Beryllium					
Boron					
Cadmium	0.14	40.6	44.6	90.8	75-125
Calcium					
Chromium	13.1	53.7	44.6	91.1	75-125
Cobalt					
Copper					
Gold					
Iron					
Lead	38.2	103	89.1	72.7 (a)	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel					
Palladium					
Platinum					
Potassium					
Selenium	0.0	37.7	44.6	84.6	75-125
Silicon					
Silver	0.0	15.6	17.8	87.5	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc					
Zirconium					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21470: MC23273-23

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.Post spike within acceptable range.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/07/13

Metal	JB42561-22T Original	MSD	Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	3.7	44.6	44.6	91.8	0.0	20
Barium	117	270	178	85.8	0.0	20
Beryllium						
Boron						
Cadmium	0.14	40.8	44.6	91.2	0.5	20
Calcium						
Chromium	13.1	51.2	44.6	85.5	4.8	20
Cobalt						
Copper						
Gold						
Iron						
Lead	38.2	105	89.1	74.9 (a)	1.9	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Palladium						
Platinum						
Potassium						
Selenium	0.0	37.9	44.6	85.0	0.5	20
Silicon						
Silver	0.0	15.1	17.8	84.7	3.3	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc						
Zirconium						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21470: MC23273-23

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike duplicate recovery indicates possible matrix interference and/or sample nonhomogeneity.

8.3.2

8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			08/07/13				08/07/13	
Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	LCS Result	Spikelot MPLCS78	% Rec	QC Limits
Aluminum								
Antimony								
Arsenic	52.8	50	105.6	80-120	90.1	94.5	95.3	82-117
Barium	187	200	93.5	80-120	149	166	89.8	83-116
Beryllium								
Boron								
Cadmium	50.8	50	101.6	80-120	62.1	59.9	103.7	84-116
Calcium								
Chromium	50.4	50	100.8	80-120	66.9	69.3	96.5	81-119
Cobalt								
Copper								
Gold								
Iron								
Lead	96.4	100	96.4	80-120	84.8	91.7	92.5	82-118
Magnesium								
Manganese								
Molybdenum								
Nickel								
Palladium								
Platinum								
Potassium								
Selenium	50.1	50	100.2	80-120	155	159	97.5	79-121
Silicon								
Silver	19.7	20	98.5	80-120	32.6	33.9	96.2	66-134
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Tungsten								
Vanadium								
Zinc								
Zirconium								

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21470: MC23273-23

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/07/13

Metal	JB42561-22T Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	41.2	54.1	31.3 (a)	0-10
Barium	1310	1430	9.2	0-10
Beryllium				
Boron				
Cadmium	1.60	1.50	6.3	0-10
Calcium				
Chromium	147	160	8.5	0-10
Cobalt				
Copper				
Gold				
Iron				
Lead	428	485	13.3 (b)	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				
Zirconium				

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Associated samples MP21470: MC23273-23

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

POST DIGESTATE SPIKE SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/07/13

Metal	Sample ml	Final ml	JB42561-22T Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Boron										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Gold										
Iron										
Lead	10	10.1	428	423.7624	1189	.1	87	861.3861	88.8	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Palladium										
Platinum										
Potassium										
Selenium										
Silicon										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Tungsten										
Vanadium										
Zinc										
Zirconium										

POST DIGESTATE SPIKE SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21470
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Associated samples MP21470: MC23273-23

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21487 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/12/13

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0029	.0097	-0.0095	<0.033

Associated samples MP21487: MC23273-23

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21487 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/12/13

Metal	MC23415-1 Original	MS	Spikelot HGRWS1	% Rec	QC Limits
Mercury	0.37	0.97	0.551	108.9	80-120

Associated samples MP21487: MC23273-23

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21487 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/12/13

Metal	MC23415-1 Original	MSD	Spikelot HGRWS1	% Rec	MSD RPD	QC Limit
Mercury	0.37	0.86	0.551	88.9	12.0	20

Associated samples MP21487: MC23273-23

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21487
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 08/12/13 08/12/13

Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	0.47	0.5	94.0	80-120	0.46	0.5	92.0	2.2	30

Associated samples MP21487: MC23273-23

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21487
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 08/12/13

Metal	LCS Result	Spikelot HGLCS78	% Rec	QC Limits
Mercury	4.0	4.05	98.8	72-128

Associated samples MP21487: MC23273-23

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

New England ACCUTEST LABORATORIES

Metals Analysis

Raw Data

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 8/7/2013 8:34:55 Type: Cal
Method: Accutest -SS2(v7) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0027	.0001	.0010	.0001	.0027	.0084	.0001	.0035	.0071
Stddev	.0000	.0003	.0001	.0001	.0003	.0009	.0002	.0001	.0002
%RSD	.8633	246.5	10.02	77.61	10.57	11.25	228.3	3.078	3.378
#1	-.0027	.0003	.0011	.0000	.0025	.0091	-.0001	.0034	.0073
#2	-.0028	-.0001	.0009	.0001	.0029	.0077	.0002	.0035	.0070

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0021	.0001	.0174	.0005	.0016	.0001	.0005	.0010	.0046
Stddev	.0009	.0000	.0001	.0000	.0004	.0001	.0000	.0002	.0014
%RSD	43.20	18.60	.8554	10.55	25.06	111.5	9.530	18.43	31.27
#1	-.0028	.0001	.0173	.0005	.0013	.0001	.0005	.0008	.0056
#2	-.0015	.0001	.0175	.0004	.0019	.0000	.0004	.0011	.0036

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0037	-.0025	.0004	.0001	.0021	.0025	.0470	-.0007	.0046
Stddev	.0004	.0001	.0001	.0000	.0002	.0002	.0003	.0005	.0002
%RSD	10.66	4.961	11.66	30.48	7.817	9.319	.6933	80.85	4.068
#1	-.0040	-.0024	.0004	.0001	.0023	.0026	.0472	-.0010	.0045
#2	-.0034	-.0025	.0005	.0002	.0020	.0023	.0467	-.0003	.0047

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0003	-.0072	.0003	.0000	-.0019	-.0001
Stddev	.0001	.0001	.0001	.000	.0007	.0002
%RSD	18.17	1.832	38.43	604.1	35.39	157.2
#1	-.0003	-.0072	.0004	-.0001	-.0014	-.0002
#2	-.0003	-.0071	.0002	.0000	-.0024	.0000

◀ Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 8/7/2013 8:34:55 Type: Cal
Method: Accutest -SS2(v7) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1384.5	55372.	10477.
Stddev	14.5	36.	30.
%RSD	1.0466	.06576	.29089
#1	1374.3	55346.	10455.
#2	1394.7	55398.	10499.

◀ Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 8/7/2013 8:39:16 Type: Cal
Method: Accutest -SS2(v7) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1624	.9440	3.123	16.96	13.76	12.53	9.623	.9631	2.126	5.792
Stddev	.0005	.0009	.003	.20	.15	.00	.012	.0044	.004	.050
%RSD	.3121	.0915	.1067	1.192	1.060	.0139	.1202	.4544	.1714	.8577
#1	.1627	.9434	3.121	17.10	13.86	12.53	9.615	.9662	2.128	5.828
#2	.1620	.9446	3.125	16.82	13.65	12.53	9.632	.9600	2.123	5.757

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.691	8.434	3.175	2.346	1.614	1.104	13.30
Stddev	.015	.005	.004	.001	.002	.001	.01
%RSD	.1881	.0583	.1334	.0251	.1348	.0897	.0632
#1	7.681	8.431	3.172	2.346	1.612	1.104	13.29
#2	7.701	8.438	3.178	2.347	1.615	1.105	13.30

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1396.7	56061.	9992.2
Stddev	.4	387.	79.4
%RSD	.02807	.69064	.79502
#1	1397.0	55787.	9936.0
#2	1396.4	56335.	10048.

◀ Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 8/7/2013 8:43:37 Type: Cal
Method: Accutest -SS2(v7) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.320	2.434	1.348	.8320	.1732	2.377
Stddev	.002	.002	.001	.0119	.0006	.002
%RSD	.1222	.0931	.1022	1.429	.3430	.0939
#1	1.319	2.436	1.349	.8404	.1736	2.378
#2	1.321	2.432	1.347	.8236	.1728	2.375

Int. Std.	Y_3710
Units	Cts/S
Avg	10282.
Stddev	7.
%RSD	.06491
#1	10277.
#2	10287.

Zoom In Zoom Out

Sample Name: Std4 Acquired: 8/7/2013 8:47:57 Type: Cal
Method: Accutest -SS2(v7) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	Si2124	Sn1899	Sr4077	Ti3349	V_2924	W_2397	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2904	.5582	.0871	3.017	1.994	20.83	1.553	1.259	.0712	3.137
Stddev	.0017	.0038	.0004	.003	.002	.07	.007	.008	.0007	.018
%RSD	.5857	.6751	.4177	.1112	.1002	.3400	.4684	.6488	.9693	.5835
#1	.2892	.5555	.0868	3.015	1.993	20.88	1.548	1.254	.0707	3.124
#2	.2916	.5609	.0874	3.019	1.996	20.78	1.558	1.265	.0717	3.150

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1419.1	54757.	10141.
Stddev	1.2	323.	159.
%RSD	.08673	.58979	1.5716
#1	1420.0	54985.	10029.
#2	1418.2	54529.	10254.

Zoom In Zoom Out

Sample Name: ICV Acquired: 8/7/2013 8:52:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.5169	16.04	2.984	2.972	3.023	3.001	3.034	18.30	2.965	2.984
Stddev	.0005	.04	.006	.002	.008	.001	.006	.03	.008	.005
%RSD	.0898	.2310	.1960	.0535	.2714	.0300	.2152	.1868	.2654	.1851
#1	.5166	16.02	2.988	2.974	3.029	3.002	3.038	18.32	2.970	2.988
#2	.5172	16.07	2.980	2.971	3.017	3.000	3.029	18.27	2.959	2.980

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	3.074	2.937	18.27	15.38	18.40	3.083	2.884	15.71	2.918	2.940
Stddev	.011	.001	.03	.00	.01	.003	.003	.01	.006	.006
%RSD	.3471	.0409	.1736	.0032	.0551	.0969	.1101	.0353	.2168	.2108
#1	3.081	2.936	18.29	15.38	18.40	3.085	2.887	15.71	2.922	2.944
#2	3.066	2.938	18.25	15.38	18.41	3.081	2.882	15.71	2.913	2.935

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	3.032	2.964	2.958	2.959	3.006	3.157	3.075	3.037	2.961	2.992
Stddev	.004	.012	.004	.004	.009	.001	.002	.001	.017	.003
%RSD	.1179	.4152	.1332	.1370	.2985	.0452	.0578	.0336	.5568	.1016
#1	3.029	2.956	2.961	2.962	3.013	3.158	3.077	3.038	2.972	2.994
#2	3.034	2.973	2.955	2.957	3.000	3.156	3.074	3.037	2.949	2.989

Elem	W_2397	Zn2062	Zr3391
Avg	2.897	2.854	3.072
Stddev	.008	.007	.001
%RSD	.2848	.2459	.0385
#1	2.891	2.859	3.071
#2	2.902	2.849	3.073

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1394.2	54241.	9951.7
Stddev	2.0	224.	14.3
%RSD	.14422	.41320	.14363
#1	1392.8	54083.	9941.6
#2	1395.6	54400.	9961.8

Zoom In Zoom Out

Sample Name: ICB Acquired: 8/7/2013 9:00:25 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	.0018	.0020	.0023	.0026	.0000	.0001	-.0004	.0002	.0004
Stddev	.0006	.0008	.0005	.0004	.0001	.000	.0001	.0028	.0000	.0000
%RSD	208.1	44.97	25.64	18.91	4.371	629.6	54.01	653.4	25.71	10.85
#1	-.0007	.0024	.0016	.0020	.0025	-.0002	.0001	.0016	.0002	.0004
#2	.0001	.0013	.0024	.0026	.0026	.0001	.0001	-.0024	.0001	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0013	-.0024	.0344	-.0247	.0000	.0015	.0003	.0001	.0005
Stddev	.0003	.0005	.0005	.0130	.0010	.000	.0001	.0054	.0002	.0005
%RSD	151.4	38.54	22.43	37.70	3.910	150.2	6.126	2136.	155.4	106.8
#1	.0000	.0009	-.0028	.0435	-.0240	.0000	.0016	-.0035	.0002	.0009
#2	-.0004	.0016	-.0020	.0252	-.0254	-.0001	.0014	.0040	.0000	.0001

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0011	-.0054	.0010	.0023	-.0021	.0009	.0000	-.0002	-.0007	.0007
Stddev	.0004	.0017	.0005	.0001	.0007	.0001	.000	.0002	.0006	.0003
%RSD	40.76	31.29	50.66	6.303	35.26	12.31	582.3	104.2	89.49	37.39
#1	-.0008	-.0042	.0014	.0025	-.0016	.0008	-.0001	-.0003	-.0003	.0006
#2	-.0014	-.0066	.0007	.0022	-.0026	.0010	.0001	.0000	-.0011	.0009

Elem	W_2397	Zn2062	Zr3391
Avg	.0076	.0002	.0007
Stddev	.0051	.0001	.0002
%RSD	67.25	56.27	31.76
#1	.0040	.0001	.0008
#2	.0112	.0003	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1404.4	54206.	10159.
Stddev	.4	450.	105.
%RSD	.02771	.82994	1.0301
#1	1404.7	54524.	10233.
#2	1404.1	53888.	10085.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 9:04:46 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2451	10.30	1.946	-.0039	1.944	1.895	2.004	10.08	1.925	2.032
Stddev	.0001	.00	.001	.0029	.003	.002	.003	.02	.001	.001
%RSD	.0353	.0004	.0549	73.54	.1395	.1241	.1702	.1823	.0729	.0706
#1	.2451	10.30	1.947	-.0060	1.942	1.894	2.002	10.07	1.926	2.033
#2	.2452	10.30	1.945	-.0019	1.946	1.897	2.007	10.09	1.924	2.031

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.986	1.929	9.840	9.826	9.993	2.101	1.950	10.36	1.956	1.922
Stddev	.007	.003	.013	.022	.040	.004	.001	.04	.000	.000
%RSD	.3514	.1326	.1290	.2253	.4014	.1913	.0629	.3888	.0169	.0103
#1	1.991	1.931	9.831	9.811	9.965	2.104	1.949	10.33	1.956	1.922
#2	1.981	1.927	9.849	9.842	10.02	2.098	1.951	10.38	1.956	1.922

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0040	.0013	1.965	1.971	.0363	2.043	1.950	2.018	1.946	2.006
Stddev	.0004	.0022	.002	.001	.0012	.004	.006	.005	.004	.004
%RSD	9.241	164.3	.0897	.0447	3.258	.1727	.3067	.2270	.1818	.2033
#1	-.0043	.0029	1.964	1.971	.0355	2.046	1.946	2.022	1.944	2.009
#2	-.0038	-.0002	1.966	1.970	.0371	2.041	1.954	2.015	1.949	2.003

Elem	W_2397	Zn2062	Zr3391
Avg	.0104	1.900	.0022
Stddev	.0048	.001	.0009
%RSD	46.10	.0345	41.96
#1	.0138	1.900	.0028
#2	.0070	1.899	.0015

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1383.8	53059.	10103.
Stddev	.6	363.	63.
%RSD	.04307	.68405	.62306
#1	1384.3	52803.	10147.
#2	1383.4	53316.	10058.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 9:15:25 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0000	.0144	F.0026	.0016	.0020	-.0002	.0000	.0037	.0002
Stddev	.0004	.0092	.0004	.0000	.0002	.0001	.000	.0007	.0003
%RSD	1425.	63.81	13.93	1.166	10.96	35.18	12.27	19.25	139.1
#1	-.0003	.0210	.0028	.0016	.0022	-.0001	.0000	.0032	.0000
#2	.0003	.0079	.0023	.0016	.0018	-.0002	.0000	.0042	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0007	-.0001	.0023	-.0014	-.0015	-.0113	.0000	.0010	.0021
Stddev	.0001	.0001	.0005	.0048	.0178	.0212	.0000	.0002	.0002
%RSD	15.43	95.17	22.99	332.6	1173.	187.8	328.4	20.50	10.28
#1	.0006	-.0002	.0020	-.0048	.0110	-.0263	.0000	.0012	.0020
#2	.0008	.0000	.0027	.0019	-.0141	.0037	.0000	.0009	.0023

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0003	.0011	-.0012	-.0052	.0003	.0008	-.0016	.0005	-.0002
Stddev	.0002	.0011	.0006	.0033	.0002	.0008	.0004	.0002	.0001
%RSD	88.63	94.41	48.63	62.43	74.25	101.7	25.52	41.73	87.99
#1	.0004	.0019	-.0016	-.0075	.0004	.0013	-.0013	.0007	-.0003
#2	.0001	.0004	-.0008	-.0029	.0001	.0002	-.0019	.0004	-.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0005	-.0001	.0010	.0022	.0003	.0003
Stddev	.0003	.0015	.0001	.0018	.0001	.0001
%RSD	68.30	1615.	13.71	80.33	20.72	41.85
#1	.0007	.0010	.0011	.0034	.0003	.0002
#2	.0002	-.0012	.0009	.0009	.0003	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1404.2	52842.	9923.0
Stddev	1.8	238.	10.7
%RSD	.12833	.45115	.10778
#1	1403.0	53011.	9915.4
#2	1405.5	52674.	9930.5

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 9:22:13 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0004	.0008	.0017	.0026	.0010	-.0002	.0000	.0125	-.0001
Stddev	.0009	.0031	.0013	.0015	.0000	.0002	.000	.0023	.0000
%RSD	222.7	404.5	74.77	58.40	3.374	103.9	685.5	18.73	33.69
#1	-.0002	.0030	.0026	.0015	.0010	.0000	.0000	.0142	-.0001
#2	.0011	-.0014	.0008	.0036	.0010	-.0003	.0000	.0109	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0001	-.0005	F.0029	-.0017	.0055	-.0328	-.0001	.0005	.0205
Stddev	.0002	.0001	.0001	.0027	.0226	.0037	.0000	.0001	.0081
%RSD	112.0	18.35	2.302	160.2	411.3	11.40	32.37	20.09	39.48
#1	.0000	-.0005	.0029	.0002	.0215	-.0302	-.0001	.0006	.0148
#2	.0003	-.0004	.0030	-.0036	-.0105	-.0354	-.0001	.0005	.0262

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0002	.0019	-.0030	-.0057	-.0006	-.0002	.0037	.0001	-.0001
Stddev	.0000	.0004	.0010	.0036	.0008	.0001	.0007	.0003	.0000
%RSD	4.493	19.65	35.32	63.49	138.6	66.10	18.09	257.7	15.04
#1	.0002	.0021	-.0022	-.0032	-.0012	-.0003	.0032	-.0001	-.0001
#2	.0002	.0016	-.0037	-.0083	.0000	-.0001	.0042	.0003	-.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0003	.0015	.0011	-.0002	.0000	.0005
Stddev	.0007	.0012	.0001	.0098	.0000	.0003
%RSD	234.5	75.12	9.168	3931.	89.79	57.51
#1	.0002	.0024	.0012	.0067	.0000	.0008
#2	-.0007	.0007	.0011	-.0072	.0000	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1383.8	52415.	9984.2
Stddev	3.2	62.	148.6
%RSD	.22910	.11770	1.4880
#1	1386.0	52371.	9879.1
#2	1381.5	52459.	10089.

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/7/2013 9:28:20 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0182	.0030	.0010	.0009	-.0001	.0000	.0158	-.0001	.0004
Stddev	.0002	.0004	.0018	.0003	.0001	.0000	.0001	.0001	.0001	.0001
%RSD	121.1	2.194	59.64	27.90	15.99	30.40	306.5	.6676	138.7	23.47
#1	.0004	.0179	.0018	.0012	.0010	-.0001	.0001	.0159	.0000	.0005
#2	.0000	.0185	.0043	.0008	.0008	-.0001	.0000	.0158	-.0002	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0050	.0030	.0075	.0143	-.0391	.0005	.0004	.0332	.0002	.0035
Stddev	.0000	.0006	.0020	.0100	.0072	.0000	.0002	.0060	.0000	.0004
%RSD	.5367	20.73	26.83	69.68	18.46	6.225	41.47	18.11	5.888	11.78
#1	.0050	.0034	.0061	.0214	-.0340	.0006	.0006	.0375	.0002	.0038
#2	.0050	.0025	.0090	.0073	-.0442	.0005	.0003	.0290	.0002	.0032

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0018	-.0046	-.0003	.0011	.0140	.0012	-.0002	.0000	.0004	.0011
Stddev	.0017	.0067	.0009	.0015	.0009	.0006	.0000	.000	.0002	.0003
%RSD	98.96	144.9	294.0	141.5	6.754	54.66	20.40	977.0	43.97	25.56
#1	-.0005	.0001	.0003	.0000	.0133	.0016	-.0001	-.0003	.0003	.0009
#2	-.0030	-.0094	-.0010	.0021	.0146	.0007	-.0002	.0002	.0005	.0013

Elem	W_2397	Zn2062	Zr3391
Avg	-.0029	.0003	.0001
Stddev	.0011	.0001	.0004
%RSD	37.44	19.49	546.5
#1	-.0036	.0003	-.0002
#2	-.0021	.0003	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1408.7	54426.	10316.
Stddev	.5	69.	28.
%RSD	.03629	.12739	.27091
#1	1408.4	54377.	10336.
#2	1409.1	54475.	10297.

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/7/2013 9:32:41 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0056	.2122	.0047	.0014	.1000	.0494	.0043	4.974	.0038
Stddev	.0004	.0019	.0002	.0009	.0000	.0002	.0000	.017	.0001
%RSD	6.314	.9159	4.846	68.69	.0107	.4883	.8078	.3452	2.812
#1	.0053	.2108	.0045	.0020	.1000	.0495	.0043	4.962	.0037
#2	.0058	.2136	.0048	.0007	.1000	.0492	.0043	4.986	.0039

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0513	.0092	.0271	.1010	4.891	4.854	.0162	.0992	5.295
Stddev	.0001	.0001	.0006	.0040	.008	.007	.0001	.0000	.004
%RSD	.1004	.9996	2.328	3.958	.1681	.1435	.6128	.0194	.0736
#1	.0514	.0093	.0266	.0982	4.886	4.859	.0162	.0992	5.298
#2	.0513	.0091	.0275	.1038	4.897	4.849	.0163	.0992	5.292

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0399	.0056	-.0009	-.0049	.0063	.0110	.0024	.0998	.0095
Stddev	.0003	.0001	.0012	.0011	.0004	.0011	.0001	.0003	.0001
%RSD	.8312	2.582	142.4	23.45	6.263	10.02	4.198	.2648	.6910
#1	.0401	.0057	.0000	-.0057	.0065	.0103	.0025	.1000	.0094
#2	.0397	.0055	-.0018	-.0041	.0060	.0118	.0023	.0996	.0095

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0518	F.0023	.0110	-.0014	.0193	.0001
Stddev	.0004	.0022	.0001	.0009	.0001	.0001
%RSD	.8608	97.79	.8566	63.97	.4621	85.75
#1	.0515	.0038	.0109	-.0020	.0194	.0001
#2	.0521	.0007	.0111	-.0008	.0193	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1397.3	53896.	10343.
Stddev	1.9	57.	6.
%RSD	.13694	.10571	.05794
#1	1396.0	53936.	10339.
#2	1398.7	53855.	10347.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 8/7/2013 9:39:27 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0009	526.9	.0004	.0007	.0034	-.0011	.0001	447.3	.0005	.0014
Stddev	.0000	2.4	.0009	.0011	.0015	.0001	.0001	.8	.0003	.0000
%RSD	1.007	.4573	240.9	154.7	45.90	13.04	87.33	.1877	56.06	2.221
#1	.0009	528.6	.0010	.0014	.0023	-.0010	.0001	447.9	.0003	.0014
#2	.0009	525.2	-.0003	-.0001	.0045	-.0012	.0000	446.7	.0006	.0015

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0025	181.5	-.0006	489.4	-.0001	-.0004	.0690	-.0014	.0004
Stddev	.0005	.0003	.6	.0391	2.6	.0001	.0002	.0004	.0004	.0013
%RSD	247.3	10.42	.3548	6097.	.5273	102.4	57.56	.5551	26.19	337.8
#1	.0002	.0027	182.0	-.0283	491.2	-.0002	-.0006	.0688	-.0016	.0013
#2	-.0006	.0023	181.1	.0270	487.6	.0000	-.0002	.0693	-.0011	-.0005

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0417	-.0302	-.0011	-.0036	.0531	.0001	.0009	.0080	-.0005	.0000
Stddev	.0016	.0056	.0043	.0013	.0010	.0007	.0000	.0002	.0022	.0006
%RSD	3.913	18.56	376.0	35.20	1.868	590.6	.7280	1.872	410.8	9317.
#1	-.0428	-.0342	.0019	-.0027	.0524	.0006	.0009	.0079	-.0021	.0004
#2	-.0405	-.0262	-.0042	-.0045	.0538	-.0003	.0009	.0081	.0010	-.0004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0331	-.0007	.0008
Stddev	.0025	.0002	.0000
%RSD	7.685	23.15	2.288
#1	-.0349	-.0006	.0008
#2	-.0313	-.0008	.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1241.2	50072.	10238.
Stddev	3.6	176.	72.
%RSD	.28626	.35163	.70478
#1	1238.7	49948.	10187.
#2	1243.7	50197.	10289.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 8/7/2013 9:43:53 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.057	514.2	2.080	.4818	1.065	.4935	.4743	449.7	1.062	.5064
Stddev	.000	.2	.008	.0026	.004	.0016	.0000	1.9	.001	.0009
%RSD	.0221	.0384	.3921	.5495	.3479	.3343	.0082	.4286	.0588	.1703
#1	1.057	514.3	2.085	.4837	1.063	.4947	.4743	451.0	1.062	.5070
#2	1.057	514.1	2.074	.4799	1.068	.4923	.4743	448.3	1.061	.5058

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4821	.5206	184.0	-.0028	494.2	.4987	1.001	.0943	.9482	.9689
Stddev	.0006	.0008	.3	.0140	.1	.0010	.001	.0122	.0007	.0001
%RSD	.1311	.1623	.1435	508.0	.0176	.2080	.1342	12.89	.0721	.0119
#1	.4817	.5212	184.2	.0071	494.2	.4995	.9998	.1029	.9478	.9690
#2	.4825	.5200	183.9	-.0126	494.3	.4980	1.002	.0857	.9487	.9688

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.5113	.4822	2.161	2.078	2.234	1.061	.9646	.5161	2.056	.5054
Stddev	.0002	.0056	.001	.000	.001	.000	.0026	.0071	.002	.0013
%RSD	.0387	1.164	.0303	.0035	.0605	.0312	.2724	1.373	.0932	.2511
#1	.5114	.4861	2.160	2.078	2.235	1.062	.9664	.5110	2.055	.5063
#2	.5111	.4782	2.161	2.078	2.233	1.061	.9627	.5211	2.057	.5045

Elem	W_2397	Zn2062	Zr3391
Avg	1.873	.8936	.4426
Stddev	.016	.0015	.0034
%RSD	.8637	.1703	.7733
#1	1.862	.8925	.4401
#2	1.885	.8947	.4450

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1253.9	50028.	10244.
Stddev	3.7	107.	81.
%RSD	.29202	.21382	.79058
#1	1251.3	49953.	10302.
#2	1256.5	50104.	10187.

Zoom In Zoom Out

Sample Name: MP21454-B1 Acquired: 8/7/2013 9:48:12 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2002	2.179	.5275	-.0012	1.012	1.955	.5252	24.70	.5068	.5076
Stddev	.0006	.015	.0005	.0012	.004	.005	.0015	.11	.0018	.0008
%RSD	.3145	.6807	.1009	101.9	.3499	.2746	.2784	.4305	.3606	.1555
#1	.2007	2.189	.5278	-.0021	1.009	1.959	.5262	24.77	.5056	.5071
#2	.1998	2.168	.5271	-.0003	1.014	1.951	.5241	24.62	.5081	.5082

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5228	.4868	1.998	24.93	25.10	.5120	.0019	26.32	.4879	.9706
Stddev	.0027	.0002	.006	.08	.15	.0007	.0004	.03	.0005	.0026
%RSD	.5081	.0432	.3085	.3130	.6034	.1339	19.32	.1164	.0941	.2675
#1	.5209	.4866	2.003	24.98	25.20	.5116	.0021	26.34	.4876	.9688
#2	.5247	.4869	1.994	24.87	24.99	.5125	.0016	26.30	.4882	.9725

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0032	-.0017	.5134	.5021	.0373	-.0007	.4850	.5074	.4968	.5172
Stddev	.0034	.0038	.0005	.0007	.0022	.0002	.0017	.0075	.0021	.0105
%RSD	107.9	222.5	.1010	.1394	5.838	34.23	.3409	1.477	.4187	2.036
#1	-.0056	.0010	.5138	.5026	.0358	-.0005	.4862	.5127	.4953	.5246
#2	-.0007	-.0044	.5130	.5016	.0388	-.0008	.4839	.5021	.4983	.5097

Elem	W_2397	Zn2062	Zr3391
Avg	.0067	.4858	.0280
Stddev	.0087	.0012	.0031
%RSD	129.9	.2422	11.18
#1	.0005	.4850	.0302
#2	.0128	.4867	.0258

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1368.2	53645.	10307.
Stddev	4.0	218.	59.
%RSD	.29212	.40585	.57133
#1	1371.0	53799.	10265.
#2	1365.3	53491.	10349.

Zoom In Zoom Out

Sample Name: MP21454-MB1 Acquired: 8/7/2013 9:52:24 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0106	-.0001	.0015	.0020	.0001	.0001	.0144	.0000	-.0001
Stddev	.0007	.0017	.0006	.0002	.0005	.0002	.0000	.0014	.0000	.0002
%RSD	426.3	15.94	390.9	16.10	26.39	119.7	50.56	9.693	850.8	167.6
#1	-.0003	.0094	-.0006	.0017	.0023	.0003	.0000	.0134	.0000	-.0003
#2	.0006	.0118	.0003	.0013	.0016	.0000	.0001	.0154	.0000	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	.0025	.0020	.0375	-.0370	.0001	.0007	.0256	-.0003	.0013
Stddev	.0005	.0003	.0018	.0082	.0262	.0000	.0003	.0067	.0002	.0001
%RSD	153.7	12.52	87.62	21.93	70.80	44.08	46.26	26.40	49.23	9.853
#1	-.0007	.0028	.0008	.0317	-.0185	.0000	.0004	.0303	-.0002	.0012
#2	.0000	.0023	.0033	.0434	-.0555	.0001	.0009	.0208	-.0005	.0014

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0013	-.0053	.0014	.0010	.0325	.0006	-.0001	-.0004	-.0036	.0011
Stddev	.0025	.0014	.0005	.0005	.0014	.0003	.0000	.0001	.0004	.0000
%RSD	196.1	25.73	37.58	47.03	4.359	55.01	27.51	25.43	11.52	.1123
#1	.0005	-.0043	.0017	.0013	.0335	.0009	-.0001	-.0003	-.0039	.0011
#2	-.0030	-.0062	.0010	.0007	.0315	.0004	-.0001	-.0005	-.0033	.0011

Elem	W_2397	Zn2062	Zr3391
Avg	.0009	.0003	.0001
Stddev	.0042	.0001	.0002
%RSD	457.7	43.21	166.2
#1	.0039	.0002	.0000
#2	-.0021	.0004	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1377.1	54089.	10542.
Stddev	1.6	59.	65.
%RSD	.11369	.10847	.61455
#1	1376.0	54047.	10497.
#2	1378.2	54130.	10588.

Zoom In Zoom Out

Sample Name: MP21454-S1 Acquired: 8/7/2013 9:56:46 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.1579	200.3	.6539	-.0325	.8032	3.588	.3986	154.4	.4202
Stddev	.0006	.0	.0047	.0017	.0018	.003	.0003	.3	.0003
%RSD	.3510	.0035	.7168	5.174	.2250	.0856	.0653	.1761	.0623
#1	.1583	200.3	.6506	-.0336	.8020	3.585	.3988	154.6	.4200
#2	.1575	200.3	.6573	-.0313	.8045	3.590	.3984	154.2	.4203

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.6454	.6546	.8795	F468.7	32.09	110.8	13.53	.0355	43.61
Stddev	.0006	.0025	.0042	2.4	.02	.3	.11	.0001	.01
%RSD	.0878	.3808	.4798	.5070	.0623	.2924	.8317	.1747	.0248
#1	.6458	.6528	.8825	470.4	32.10	111.1	13.45	.0355	43.60
#2	.6450	.6564	.8765	467.1	32.07	110.6	13.61	.0356	43.62

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.8191	1.241	-.0444	.0386	.0451	.3159	87.67	.0141	.7795
Stddev	.0008	.000	.0018	.0031	.0001	.0009	.25	.0003	.0006
%RSD	.0972	.0235	4.098	7.906	.1516	.2722	.2834	1.861	.0766
#1	.8185	1.241	-.0431	.0364	.0451	.3153	87.50	.0143	.7790
#2	.8197	1.241	-.0457	.0408	.0450	.3166	87.85	.0140	.7799

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.8011	.3913	.7577	.0067	1.800	.0230
Stddev	.0047	.0007	.0015	.0057	.002	.0001
%RSD	.5863	.1679	.2045	85.94	.1273	.3855
#1	.8045	.3908	.7566	.0107	1.802	.0231
#2	.7978	.3917	.7588	.0026	1.799	.0229

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1690.5	68169.	13637.
Stddev	.4	655.	105.
%RSD	.02341	.96057	.76640
#1	1690.8	68632.	13564.
#2	1690.2	67706.	13711.

Zoom In Zoom Out

Sample Name: MP21454-S2 Acquired: 8/7/2013 10:01:07 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.1562	211.8	.6583	-.0319	.7982	3.602	.3947	154.7	.4189
Stddev	.0003	.2	.0013	.0010	.0004	.002	.0000	.1	.0007
%RSD	.2193	.0786	.1944	3.223	.0443	.0485	.0056	.0951	.1695
#1	.1560	211.9	.6592	-.0311	.7985	3.603	.3947	154.6	.4184
#2	.1565	211.7	.6573	-.0326	.7980	3.600	.3947	154.8	.4194

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.6522	.6611	.8937	F472.2	32.64	112.1	13.68	.0367	43.53
Stddev	.0007	.0013	.0022	.9	.01	.4	.07	.0001	.07
%RSD	.1057	.1937	.2452	.2011	.0399	.3356	.4793	.1594	.1529
#1	.6517	.6620	.8922	472.8	32.65	111.8	13.73	.0367	43.57
#2	.6526	.6602	.8953	471.5	32.64	112.4	13.64	.0366	43.48

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.8342	1.251	-.0487	.0330	.0405	.3115	95.53	.0155	.7791
Stddev	.0015	.003	.0016	.0001	.0016	.0001	.34	.0002	.0019
%RSD	.1842	.2606	3.365	.2358	3.838	.0353	.3592	1.439	.2383
#1	.8331	1.249	-.0498	.0330	.0416	.3114	95.28	.0153	.7804
#2	.8352	1.253	-.0475	.0331	.0394	.3116	95.77	.0156	.7777

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.8221	.3893	.7684	.0036	1.864	.0231
Stddev	.0032	.0013	.0001	.0073	.006	.0000
%RSD	.3835	.3397	.0107	203.0	.3323	.1229
#1	.8243	.3883	.7684	.0088	1.860	.0231
#2	.8198	.3902	.7683	-.0016	1.868	.0232

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1694.0	69045.	13706.
Stddev	3.4	354.	100.
%RSD	.20046	.51213	.73012
#1	1696.4	68795.	13777.
#2	1691.6	69295.	13635.

Zoom In Zoom Out

Sample Name: MC23211-2 Acquired: 8/7/2013 10:05:29 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0003	201.4	.2551	-.0286	.0743	2.120	.0142	139.7
Stddev	.0005	2.1	.0012	.0024	.0002	.020	.0001	1.6
%RSD	149.6	1.064	.4653	8.262	.2719	.9392	.9357	1.137
#1	.0000	202.9	.2542	-.0303	.0741	2.134	.0143	140.8
#2	-.0006	199.9	.2559	-.0270	.0744	2.106	.0141	138.6

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0119	.2487	.2755	.4670	F463.8	14.17	92.53	13.24
Stddev	.0001	.0002	.0014	.0014	4.3	.25	1.13	.04
%RSD	.6654	.0623	.4936	.2977	.9197	1.793	1.220	.2704
#1	.0120	.2486	.2745	.4660	466.8	14.35	93.33	13.22
#2	.0119	.2488	.2765	.4680	460.8	13.99	91.73	13.27

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0343	24.12	.4363	.4849	-.0426	.0350	-.0004	F-.0120
Stddev	.0001	.27	.0005	.0011	.0006	.0018	.0002	.0018
%RSD	.2803	1.119	.1110	.2210	1.432	5.174	59.65	15.00
#1	.0342	24.31	.4360	.4841	-.0421	.0362	-.0002	-.0108
#2	.0344	23.93	.4366	.4856	-.0430	.0337	-.0005	-.0133

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	93.63	.0152	.4075	.6808	.0041	.3912	-.0008	1.443
Stddev	.13	.0005	.0040	.0018	.0013	.0006	.0027	.002
%RSD	.1412	3.210	.9874	.2716	32.45	.1522	356.2	.1500
#1	93.54	.0149	.4103	.6795	.0050	.3916	-.0027	1.441
#2	93.73	.0156	.4046	.6821	.0032	.3908	.0012	1.444

Elem	Zr3391
Avg	.0201
Stddev	.0000
%RSD	.2421
#1	.0200
#2	.0201

Zoom In Zoom Out

Sample Name: MC23211-2 Acquired: 8/7/2013 10:05:29 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1690.7	68416.	13510.
Stddev	1.0	324.	188.
%RSD	.05760	.47329	1.3882
#1	1690.0	68644.	13377.
#2	1691.4	68187.	13642.

Zoom In Zoom Out

Sample Name: MP21454-SD1 Acquired: 8/7/2013 10:09:53 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	244.4	.3269	-.0252	.0998	2.605	.0173	177.9	.0128	.3075
Stddev	.002	2.2	.0007	.0031	.0000	.018	.0002	.8	.0000	.0049
%RSD	19870.	.9198	.2218	12.15	.0148	.6702	1.003	.4757	.2820	1.578
#1	-.0013	242.8	.3274	-.0274	.0998	2.593	.0172	177.3	.0128	.3109
#2	.0013	246.0	.3264	-.0230	.0999	2.618	.0174	178.5	.0128	.3040

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.3606	.5831	622.7	17.52	116.5	18.16	.0441	29.36	.5483	.6152
Stddev	.0010	.0005	3.9	.11	.1	.05	.0008	.25	.0025	.0026
%RSD	.2702	.0904	.6262	.6318	.0642	.2916	1.859	.8430	.4637	.4231
#1	.3599	.5835	620.0	17.60	116.4	18.12	.0446	29.18	.5501	.6133
#2	.3613	.5827	625.5	17.44	116.5	18.19	.0435	29.53	.5465	.6170

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0439	.0059	.0045	-.0018	115.8	.0165	.5104	.8926	.0034	.5144
Stddev	.0003	.0132	.0032	.0038	.3	.0023	.0002	.0096	.0067	.0004
%RSD	.6277	223.5	71.71	207.4	.2659	14.24	.0388	1.081	197.6	.0831
#1	-.0441	-.0034	.0022	-.0046	116.0	.0181	.5105	.8858	-.0013	.5147
#2	-.0437	.0152	.0068	.0009	115.5	.0148	.5103	.8994	.0081	.5141

Elem	W_2397	Zn2062	Zr3391
Avg	-.0111	1.875	.0251
Stddev	.0317	.003	.0007
%RSD	286.0	.1443	2.893
#1	.0113	1.877	.0256
#2	-.0335	1.873	.0246

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1439.4	56497.	11200.
Stddev	1.8	476.	14.
%RSD	.12385	.84340	.12823
#1	1438.2	56834.	11190.
#2	1440.7	56160.	11211.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 10:14:14 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2472	10.26	1.981	-.0030	2.015	1.888	1.962	9.904	1.992	2.067
Stddev	.0032	.12	.002	.0015	.006	.026	.025	.140	.002	.001
%RSD	1.276	1.200	.1003	49.46	.3006	1.402	1.300	1.414	.1000	.0436
#1	.2450	10.35	1.980	-.0040	2.011	1.907	1.980	10.00	1.991	2.067
#2	.2494	10.17	1.982	-.0019	2.020	1.869	1.944	9.805	1.994	2.068

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.941	1.966	9.600	9.754	9.581	2.029	1.988	10.27	1.945	1.931
Stddev	.042	.032	.162	.143	.223	.038	.004	.10	.000	.003
%RSD	2.158	1.616	1.692	1.462	2.326	1.866	.2124	.9612	.0031	.1686
#1	1.911	1.943	9.715	9.854	9.739	2.002	1.985	10.34	1.944	1.928
#2	1.970	1.988	9.486	9.653	9.424	2.056	1.991	10.20	1.945	1.933

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0013	.0053	2.004	1.997	.4005	2.020	1.967	1.978	1.993	1.980
Stddev	.0008	.0074	.001	.003	.0252	.004	.029	.035	.008	.035
%RSD	65.10	140.9	.0465	.1609	6.303	.1855	1.501	1.757	.3942	1.780
#1	-.0019	.0000	2.004	1.994	.4184	2.018	1.988	1.954	1.987	1.955
#2	-.0007	.0105	2.005	1.999	.3827	2.023	1.946	2.003	1.998	2.005

Elem	W_2397	Zn2062	Zr3391
Avg	.0042	1.892	-.0023
Stddev	.0022	.001	.0003
%RSD	51.92	.0276	11.25
#1	.0058	1.891	-.0021
#2	.0027	1.892	-.0025

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1359.8	53220.	10349.
Stddev	1.4	1095.	71.
%RSD	.10123	2.0576	.68708
#1	1358.8	53995.	10299.
#2	1360.7	52446.	10400.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 10:18:26 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0000	.0093	F.0026	.0019	.0030	.0000	.0002	.0043	.0001
Stddev	.000	.0017	.0011	.0007	.0001	.000	.0000	.0002	.0000
%RSD	2956.	18.78	43.23	35.27	2.111	301.9	7.631	4.066	16.91
#1	-.0001	.0080	.0034	.0015	.0029	.0000	.0002	.0044	.0001
#2	.0001	.0105	.0018	.0024	.0030	.0000	.0002	.0042	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	-.0002	.0018	.0040	.0381	-.0240	.0002	.0028	.0087
Stddev	.0003	.0004	.0002	.0004	.0471	.0294	.0001	.0002	.0026
%RSD	110.4	179.2	11.63	9.474	123.7	122.4	31.56	8.563	29.86
#1	.0001	.0001	.0017	.0038	.0714	-.0032	.0001	.0030	.0068
#2	.0004	-.0005	.0020	.0043	.0048	-.0448	.0002	.0026	.0105

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0002	.0015	-.0014	-.0013	.0015	.0004	.0905	.0001	.0000
Stddev	.0003	.0005	.0014	.0000	.0002	.0001	.0082	.0004	.0001
%RSD	163.2	32.95	96.76	.1029	10.08	13.61	9.072	458.8	1941.
#1	.0000	.0018	-.0024	-.0012	.0014	.0005	.0963	.0004	-.0001
#2	.0004	.0011	-.0004	-.0013	.0016	.0004	.0847	-.0002	.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0004	-.0001	.0007	-.0038	.0002	.0001
Stddev	.0006	.0005	.0001	.0012	.0003	.0002
%RSD	152.8	349.7	13.15	31.71	179.4	348.5
#1	.0000	.0002	.0008	-.0030	.0000	-.0001
#2	-.0008	-.0005	.0007	-.0047	.0004	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1383.8	53909.	10406.
Stddev	1.4	80.	20.
%RSD	.10462	.14769	.19469
#1	1382.8	53965.	10391.
#2	1384.9	53853.	10420.

Zoom In Zoom Out

Sample Name: MP21454-B2 Acquired: 8/7/2013 10:24:27 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2010	2.148	.5363	.0000	1.032	1.938	.5166	24.57	.5175	.5198
Stddev	.0003	.007	.0030	.001	.000	.007	.0002	.03	.0004	.0014
%RSD	.1406	.3066	.5685	3379.	.0233	.3873	.0303	.1056	.0717	.2625
#1	.2012	2.143	.5341	.0007	1.032	1.932	.5164	24.59	.5172	.5189
#2	.2008	2.153	.5384	-.0008	1.033	1.943	.5167	24.55	.5177	.5208

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5250	.4964	1.938	24.73	24.30	.5166	.0010	26.20	.4909	.9898
Stddev	.0005	.0000	.009	.07	.10	.0013	.0001	.01	.0006	.0021
%RSD	.0928	.0047	.4734	.2813	.3933	.2548	10.39	.0494	.1216	.2153
#1	.5254	.4964	1.931	24.68	24.36	.5176	.0011	26.19	.4913	.9883
#2	.5247	.4964	1.944	24.78	24.23	.5157	.0009	26.21	.4905	.9913

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0011	-.0039	.5130	.5100	.1076	-.0006	.4826	.5019	.5109	.5358
Stddev	.0011	.0022	.0020	.0022	.0047	.0002	.0028	.0021	.0014	.0017
%RSD	104.8	56.36	.3858	.4294	4.369	31.64	.5875	.4145	.2667	.3245
#1	-.0003	-.0055	.5144	.5115	.1109	-.0004	.4806	.5033	.5119	.5346
#2	-.0019	-.0024	.5116	.5084	.1043	-.0007	.4846	.5004	.5100	.5370

Elem	W_2397	Zn2062	Zr3391
Avg	-.0022	.4975	-.0014
Stddev	.0015	.0011	.0001
%RSD	68.25	.2213	4.860
#1	-.0033	.4967	-.0013
#2	-.0012	.4982	-.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1358.5	52864.	10364.
Stddev	2.8	215.	128.
%RSD	.20692	.40758	1.2395
#1	1360.5	52711.	10273.
#2	1356.5	53016.	10455.

Zoom In Zoom Out

Sample Name: MC23189-1 Acquired: 8/7/2013 10:28:39 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0001	.0204	.0069	.0000	.1078	.0735	.0001	28.19
Stddev	.0002	.0032	.0012	.0003	.0006	.0005	.0001	.29
%RSD	234.4	15.65	17.39	1214.	.5805	.6722	91.15	1.026
#1	-.0001	.0227	.0077	-.0002	.1083	.0739	.0001	28.39
#2	.0002	.0182	.0060	.0002	.1074	.0732	.0000	27.98

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0003	.0007	.0018	.0028	.5001	5.496	6.140	.8384
Stddev	.0000	.0003	.0000	.0002	.0028	.016	.017	.0001
%RSD	19.08	46.92	1.616	5.511	.5691	.2981	.2723	.0176
#1	.0002	.0009	.0018	.0027	.5021	5.508	6.128	.8385
#2	.0003	.0004	.0018	.0029	.4981	5.484	6.152	.8383

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0065	132.8	.0006	.0013	-.0040	-.0006	.0026	.0029
Stddev	.0001	1.2	.0000	.0003	.0012	.0003	.0002	.0003
%RSD	.8895	.9196	.2762	20.60	29.81	48.33	7.876	9.560
#1	.0065	133.7	.0006	.0015	-.0048	-.0004	.0027	.0027
#2	.0066	131.9	.0006	.0011	-.0031	-.0008	.0024	.0031

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	3.971	-.0001	.1896	.0001	F-.0059	.0012	.0015	.0183
Stddev	.009	.0008	.0028	.0000	.0020	.0001	.0032	.0001
%RSD	.2198	606.9	1.473	9.540	34.07	6.294	210.7	.3274
#1	3.977	.0005	.1916	.0001	-.0045	.0012	.0037	.0183
#2	3.965	-.0007	.1877	.0001	-.0073	.0011	-.0007	.0184

Elem	Zr3391
Avg	-.0007
Stddev	.0000
%RSD	1.525
#1	-.0007
#2	-.0007

Zoom In Zoom Out

Sample Name: MC23189-1 Acquired: 8/7/2013 10:28:39 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1371.4	53222.	10576.
Stddev	1.0	33.	59.
%RSD	.07207	.06131	.56152
#1	1370.7	53245.	10534.
#2	1372.1	53199.	10618.

Zoom In Zoom Out

Sample Name: MC23189-2 Acquired: 8/7/2013 10:32:58 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0001	.0122	.0039	-.0034	.1680	.1028	.0000	52.78
Stddev	.0005	.0047	.0016	.0015	.0015	.0003	.000	.71
%RSD	466.6	38.55	41.08	43.12	.9181	.2844	5957.	1.346
#1	.0003	.0088	.0050	-.0024	.1691	.1030	.0000	53.28
#2	-.0005	.0155	.0027	-.0045	.1669	.1025	.0000	52.27

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0003	-.0001	.0000	.0037	.0210	10.38	13.76	2.427
Stddev	.0001	.0001	.000	.0004	.0030	.01	.00	.007
%RSD	36.00	66.34	2544.	9.860	14.43	.0812	.0031	.2859
#1	.0004	-.0001	-.0003	.0034	.0188	10.37	13.75	2.422
#2	.0002	-.0002	.0002	.0039	.0231	10.39	13.76	2.432

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0744	315.0	.0003	-.0017	-.0059	.0112	.0019	.0020
Stddev	.0004	9.2	.0002	.0014	.0020	.0044	.0008	.0002
%RSD	.4769	2.910	90.60	82.78	33.73	39.20	45.40	9.490
#1	.0746	321.5	.0004	-.0026	-.0045	.0143	.0013	.0019
#2	.0741	308.6	.0001	-.0007	-.0073	.0081	.0025	.0022

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	7.758	-.0001	.2749	.0003	F-.0056	.0011	-.0049	.0130
Stddev	.006	.0004	.0034	.0001	.0004	.0004	.0004	.0001
%RSD	.0741	590.5	1.251	29.05	7.026	37.96	8.211	.4385
#1	7.762	-.0004	.2773	.0004	-.0059	.0013	-.0052	.0130
#2	7.754	.0002	.2725	.0002	-.0053	.0008	-.0046	.0131

Elem	Zr3391
Avg	-.0016
Stddev	.0000
%RSD	.2217
#1	-.0016
#2	-.0016

Zoom In Zoom Out

Sample Name: MC23189-2 Acquired: 8/7/2013 10:32:58 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1377.9	53662.	10566.
Stddev	3.5	103.	139.
%RSD	.25590	.19267	1.3190
#1	1380.4	53735.	10467.
#2	1375.4	53589.	10665.

Zoom In Zoom Out

Sample Name: MC23189-3 Acquired: 8/7/2013 10:37:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	.0240	.0005	-.0032	.1532	.0490	.0000	88.72	.0330	.0745
Stddev	.0003	.0032	.0005	.0014	.0004	.0001	.0000	.47	.0003	.0004
%RSD	3534.	13.45	100.6	43.87	.2782	.2788	69.47	.5315	.8875	.4986
#1	-.0002	.0217	.0009	-.0022	.1535	.0491	.0001	89.06	.0332	.0748
#2	.0002	.0263	.0002	-.0042	.1529	.0489	.0000	88.39	.0328	.0742

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0012	.0164	.0399	10.18	16.84	1.871	.0037	123.9	.0876	-.0017
Stddev	.0002	.0007	.0024	.02	.16	.002	.0001	.7	.0005	.0012
%RSD	14.89	4.357	5.911	.2160	.9749	.1047	2.938	.5358	.6171	71.14
#1	.0014	.0159	.0415	10.20	16.96	1.873	.0038	124.4	.0879	-.0026
#2	.0011	.0169	.0382	10.16	16.72	1.870	.0036	123.5	.0872	-.0009

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0062	.0022	.0031	.0025	9.365	-.0001	.4109	.0004	-.0050	.0014
Stddev	.0014	.0101	.0001	.0003	.013	.0001	.0011	.0003	.0010	.0002
%RSD	22.81	455.1	4.444	13.22	.1338	66.59	.2660	89.84	20.26	17.35
#1	-.0072	.0094	.0030	.0027	9.374	-.0001	.4117	.0001	-.0043	.0015
#2	-.0052	-.0049	.0032	.0023	9.356	-.0001	.4102	.0006	-.0057	.0012

Elem	W_2397	Zn2062	Zr3391
Avg	-.0042	.5553	-.0016
Stddev	.0043	.0016	.0002
%RSD	100.5	.2808	10.11
#1	-.0073	.5564	-.0017
#2	-.0012	.5542	-.0015

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1358.4	52891.	10414.
Stddev	4.2	5.	63.
%RSD	.30989	.00867	.60086
#1	1355.4	52894.	10370.
#2	1361.3	52888.	10458.

Zoom In Zoom Out

Sample Name: MC23189-4 Acquired: 8/7/2013 10:41:38 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0003	.1586	.0216	-.0044	.2098	.1202	.0000	83.54
Stddev	.0003	.0002	.0006	.0005	.0003	.0004	.0001	.33
%RSD	96.60	.1553	2.642	10.57	.1285	.3368	277.4	.3892
#1	.0001	.1584	.0220	-.0041	.2096	.1205	.0000	83.77
#2	.0006	.1587	.0212	-.0048	.2099	.1199	.0001	83.31

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0013	.0012	.0023	.0054	.2826	9.088	25.99	2.344
Stddev	.0002	.0000	.0002	.0001	.0018	.036	.08	.003
%RSD	11.89	4.072	9.097	1.951	.6290	.4010	.3022	.1377
#1	.0014	.0012	.0024	.0055	.2838	9.113	26.04	2.342
#2	.0012	.0011	.0021	.0053	.2813	9.062	25.93	2.346

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0144	261.2	.0016	-.0005	-.0068	.0005	.0017	.0016
Stddev	.0004	4.3	.0002	.0000	.0010	.0012	.0007	.0000
%RSD	2.918	1.637	10.45	.6075	14.09	248.8	39.80	2.930
#1	.0147	264.2	.0015	-.0005	-.0061	.0013	.0021	.0016
#2	.0142	258.1	.0017	-.0005	-.0074	-.0004	.0012	.0015

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	6.032	.0005	.4755	.0039	F-.0053	.0016	-.0013	.0253
Stddev	.011	.0001	.0002	.0008	.0008	.0006	.0035	.0000
%RSD	.1843	25.56	.0492	20.94	14.76	36.01	279.8	.0824
#1	6.040	.0004	.4757	.0033	-.0059	.0012	-.0038	.0253
#2	6.024	.0006	.4754	.0045	-.0048	.0020	.0012	.0254

Elem	Zr3391
Avg	-.0009
Stddev	.0000
%RSD	4.974
#1	-.0009
#2	-.0009

Zoom In Zoom Out

Sample Name: MC23189-4 Acquired: 8/7/2013 10:41:38 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1369.1	53170.	10617.
Stddev	6.0	128.	62.
%RSD	.44122	.24024	.58486
#1	1364.9	53080.	10573.
#2	1373.4	53261.	10661.

Zoom In Zoom Out

Sample Name: MC23189-5 Acquired: 8/7/2013 10:46:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0001	.0200	.0271	-.0030	.1606	.1458	.0000	66.91
Stddev	.0001	.0093	.0007	.0009	.0010	.0002	.0001	.03
%RSD	186.0	46.84	2.620	31.01	.6149	.1307	1466.	.0399
#1	.0000	.0266	.0277	-.0036	.1613	.1460	.0001	66.89
#2	-.0001	.0133	.0266	-.0023	.1599	.1457	-.0001	66.93

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0018	.0019	.0006	.0125	.9243	15.27	15.25	1.930
Stddev	.0002	.0001	.0000	.0005	.0006	.01	.03	.002
%RSD	9.085	2.652	.2166	3.792	.0617	.0403	.2023	.0983
#1	.0019	.0019	.0006	.0122	.9239	15.27	15.23	1.929
#2	.0016	.0019	.0006	.0129	.9248	15.28	15.28	1.932

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0230	139.6	.0013	.0012	-.0062	.0091	.0021	.0018
Stddev	.0002	.0	.0001	.0007	.0018	.0067	.0001	.0009
%RSD	.6725	.0060	10.10	58.80	28.66	73.71	4.505	52.37
#1	.0229	139.7	.0012	.0017	-.0075	.0138	.0020	.0024
#2	.0231	139.6	.0014	.0007	-.0050	.0043	.0022	.0011

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	4.892	-.0006	.4587	.0010	F-.0065	.0018	-.0029	.0321
Stddev	.004	.0006	.0006	.0001	.0020	.0006	.0007	.0002
%RSD	.0883	93.53	.1238	14.24	30.74	31.80	23.48	.6056
#1	4.895	-.0011	.4591	.0009	-.0051	.0022	-.0033	.0320
#2	4.889	-.0002	.4583	.0011	-.0079	.0014	-.0024	.0322

Elem	Zr3391
Avg	-.0009
Stddev	.0003
%RSD	28.83
#1	-.0007
#2	-.0011

Zoom In Zoom Out

Sample Name: MC23189-5 Acquired: 8/7/2013 10:46:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1383.9	53306.	10572.
Stddev	.4	12.	33.
%RSD	.02854	.02244	.31224
#1	1383.7	53315.	10595.
#2	1384.2	53298.	10549.

Zoom In Zoom Out

Sample Name: MC23190-1F Acquired: 8/7/2013 10:50:19 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0006	.0075	.0020	.0003	.1043	.0486	.0001	41.37
Stddev	.0001	.0034	.0031	.0003	.0004	.0004	.0000	.27
%RSD	18.24	45.45	157.0	81.87	.4304	.7257	31.35	.6524
#1	.0007	.0099	.0042	.0001	.1046	.0484	.0001	41.18
#2	.0005	.0051	-.0002	.0005	.1039	.0489	.0001	41.56

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0006	.0009	.0008	.0039	6.226	8.863	5.361	.5133
Stddev	.0001	.0001	.0006	.0004	.048	.141	.012	.0094
%RSD	11.45	8.513	76.71	10.02	.7632	1.589	.2171	1.841
#1	.0006	.0008	.0004	.0036	6.193	8.764	5.353	.5066
#2	.0007	.0010	.0012	.0042	6.260	8.963	5.369	.5200

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0012	90.76	.0030	-.0015	-.0038	-.0017	.0016	.0018
Stddev	.0002	.77	.0000	.0006	.0016	.0050	.0011	.0005
%RSD	13.50	.8466	.2273	40.43	41.38	298.6	71.69	26.10
#1	.0013	90.22	.0030	-.0019	-.0049	.0019	.0024	.0014
#2	.0011	91.31	.0030	-.0011	-.0027	-.0052	.0008	.0021

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	8.276	-.0002	.2873	.0002	F-.0056	.0008	.0015	.0350
Stddev	.007	.0001	.0021	.0000	.0020	.0001	.0023	.0000
%RSD	.0847	49.76	.7287	15.79	36.57	16.37	149.2	.0647
#1	8.271	-.0002	.2858	.0003	-.0070	.0009	-.0001	.0349
#2	8.281	-.0001	.2888	.0002	-.0041	.0007	.0031	.0350

Elem	Zr3391
Avg	-.0016
Stddev	.0002
%RSD	14.93
#1	-.0014
#2	-.0017

Zoom In Zoom Out

Sample Name: MC23190-1F Acquired: 8/7/2013 10:50:19 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1381.4	54374.	10503.
Stddev	1.6	941.	32.
%RSD	.11920	1.7303	.30005
#1	1382.5	55039.	10481.
#2	1380.2	53709.	10525.

Zoom In Zoom Out

Sample Name: MC23190-3 Acquired: 8/7/2013 10:54:37 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0003	.3619	.0018	.0009	.0468	.0233	.0001	15.16
Stddev	.0001	.0029	.0003	.0009	.0003	.0004	.0001	.13
%RSD	19.94	.8137	17.91	109.6	.6355	1.536	154.9	.8791
#1	.0003	.3640	.0020	.0015	.0470	.0236	.0000	15.25
#2	.0002	.3599	.0015	.0002	.0466	.0231	.0001	15.06

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0027	.0002	.0011	.0173	.5016	3.196	1.370	.0594
Stddev	.0000	.0001	.0001	.0003	.0009	.009	.019	.0001
%RSD	.0814	33.20	6.674	2.025	.1696	.2867	1.394	.2118
#1	.0027	.0002	.0012	.0170	.5022	3.189	1.357	.0595
#2	.0027	.0002	.0011	.0175	.5010	3.202	1.384	.0593

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0019	39.26	.0026	.0007	-.0039	-.0073	.0013	.0019
Stddev	.0001	.25	.0005	.0002	.0004	.0005	.0011	.0002
%RSD	7.284	.6486	18.30	26.39	9.939	7.083	85.26	12.37
#1	.0018	39.44	.0022	.0005	-.0036	-.0077	.0005	.0017
#2	.0020	39.08	.0029	.0008	-.0042	-.0069	.0021	.0021

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	6.802	-.0003	.0712	.0095	F-.0065	.0026	-.0010	.0657
Stddev	.012	.0005	.0002	.0003	.0014	.0000	.0022	.0003
%RSD	.1805	142.1	.3129	2.709	22.07	.9140	219.9	.4527
#1	6.811	-.0007	.0714	.0097	-.0055	.0026	-.0025	.0655
#2	6.794	.0000	.0711	.0093	-.0075	.0026	.0006	.0660

Elem	Zr3391
Avg	-.0012
Stddev	.0003
%RSD	22.97
#1	-.0010
#2	-.0014

Zoom In Zoom Out

Sample Name: MC23190-3 Acquired: 8/7/2013 10:54:37 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1387.9	53526.	10609.
Stddev	.9	138.	169.
%RSD	.06202	.25873	1.5908
#1	1387.3	53428.	10490.
#2	1388.5	53624.	10728.

Zoom In Zoom Out

Sample Name: MC23190-5 Acquired: 8/7/2013 10:58:57 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0005	.0570	.0032	-.0009	.1397	.1595	.0001	40.47
Stddev	.0003	.0045	.0012	.0001	.0009	.0022	.0001	.81
%RSD	69.41	7.977	39.29	12.11	.6642	1.396	50.05	2.012
#1	.0002	.0602	.0023	-.0010	.1403	.1611	.0001	41.04
#2	.0007	.0538	.0041	-.0008	.1390	.1579	.0002	39.89

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0000	.0013	.0000	.0028	14.58	6.830	4.403	1.313
Stddev	.0000	.0000	.0003	.0002	.29	.028	.020	.008
%RSD	343.4	1.177	770.9	7.094	1.979	.4162	.4443	.6267
#1	.0000	.0013	.0002	.0027	14.78	6.850	4.390	1.307
#2	.0000	.0013	-.0002	.0029	14.38	6.810	4.417	1.319

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0009	218.7	.0001	-.0014	-.0041	.0029	.0010	.0013
Stddev	.0002	5.9	.0001	.0005	.0021	.0003	.0002	.0001
%RSD	18.19	2.708	139.2	32.10	51.22	11.86	15.93	9.131
#1	.0010	222.9	.0001	-.0011	-.0056	.0031	.0009	.0014
#2	.0008	214.5	.0000	-.0018	-.0026	.0026	.0011	.0013

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	7.344	-.0003	.2886	.0013	F-.0053	.0015	.0401	.0081
Stddev	.032	.0002	.0064	.0000	.0017	.0009	.0029	.0001
%RSD	.4395	62.34	2.234	3.663	31.59	60.32	7.208	.9083
#1	7.367	-.0001	.2932	.0013	-.0065	.0009	.0381	.0081
#2	7.321	-.0004	.2841	.0014	-.0041	.0022	.0422	.0080

Elem	Zr3391
Avg	-.0012
Stddev	.0001
%RSD	7.523
#1	-.0011
#2	-.0013

Zoom In Zoom Out

Sample Name: MC23190-5 Acquired: 8/7/2013 10:58:57 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1391.5	53763.	10566.
Stddev	6.4	97.	155.
%RSD	.45948	.17959	1.4669
#1	1387.0	53831.	10457.
#2	1396.0	53695.	10676.

Zoom In Zoom Out

Sample Name: MC23190-6 Acquired: 8/7/2013 11:03:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0002	.2427	.0021	-.0010	.2131	.1102	.0002	66.43
Stddev	.0000	.0068	.0006	.0002	.0003	.0004	.0001	.44
%RSD	18.95	2.817	29.79	25.55	.1284	.3618	36.99	.6655
#1	.0002	.2475	.0016	-.0011	.2130	.1104	.0002	66.12
#2	.0003	.2378	.0025	-.0008	.2133	.1099	.0003	66.74

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0003	-.0002	.0007	.0029	12.45	9.366	9.985	1.647
Stddev	.0001	.0000	.0001	.0005	.09	.010	.040	.006
%RSD	18.66	17.20	13.45	16.97	.7450	.1035	.4034	.3500
#1	.0003	-.0002	.0006	.0025	12.38	9.360	9.956	1.643
#2	.0002	-.0002	.0008	.0032	12.51	9.373	10.01	1.651

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0004	82.65	-.0001	.0002	-.0057	.0018	.0007	.0018
Stddev	.0001	.56	.0003	.0006	.0004	.0035	.0009	.0006
%RSD	28.41	.6811	239.3	266.5	7.249	194.5	132.2	34.52
#1	.0003	82.26	-.0003	.0006	-.0054	.0043	.0013	.0022
#2	.0005	83.05	.0001	-.0002	-.0060	-.0007	.0000	.0014

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	9.079	.0000	.3689	.0074	F-.0065	.0020	-.0016	.0148
Stddev	.004	.0002	.0029	.0004	.0005	.0007	.0008	.0002
%RSD	.0486	1616.	.7799	5.662	8.106	32.38	51.42	1.635
#1	9.082	-.0001	.3668	.0071	-.0069	.0025	-.0022	.0149
#2	9.076	.0002	.3709	.0077	-.0061	.0016	-.0010	.0146

Elem	Zr3391
Avg	-.0017
Stddev	.0000
%RSD	1.917
#1	-.0017
#2	-.0018

Zoom In Zoom Out

Sample Name: MC23190-6 Acquired: 8/7/2013 11:03:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1373.6	53383.	10523.
Stddev	5.1	281.	29.
%RSD	.37223	.52580	.27959
#1	1370.0	53582.	10544.
#2	1377.3	53185.	10502.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 11:07:41 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2464	10.32	1.962	-.0040	1.981	1.891	1.991	9.943	1.960	2.045
Stddev	.0015	.06	.003	.0005	.003	.011	.009	.067	.001	.001
%RSD	.6074	.6082	.1445	12.79	.1292	.5954	.4792	.6758	.0630	.0542
#1	.2454	10.28	1.960	-.0037	1.979	1.883	1.985	9.896	1.959	2.044
#2	.2475	10.37	1.964	-.0044	1.983	1.899	1.998	9.991	1.961	2.046

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.962	1.968	9.624	9.732	9.692	2.070	1.967	10.42	1.946	1.919
Stddev	.006	.001	.068	.041	.060	.004	.003	.04	.002	.001
%RSD	.3054	.0731	.7112	.4198	.6148	.2069	.1639	.4161	.0816	.0412
#1	1.958	1.969	9.576	9.704	9.650	2.067	1.965	10.39	1.945	1.920
#2	1.966	1.967	9.672	9.761	9.734	2.073	1.969	10.45	1.947	1.919

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0012	.0025	1.993	1.987	.1672	2.031	1.945	2.011	1.966	1.996
Stddev	.0004	.0112	.002	.003	.0027	.003	.010	.004	.003	.002
%RSD	33.76	450.1	.0970	.1537	1.601	.1569	.5313	.2023	.1457	.0938
#1	-.0014	-.0054	1.994	1.985	.1691	2.029	1.938	2.008	1.964	1.997
#2	-.0009	.0104	1.992	1.989	.1653	2.034	1.953	2.014	1.969	1.995

Elem	W_2397	Zn2062	Zr3391
Avg	.0084	1.873	-.0051
Stddev	.0008	.002	.0003
%RSD	9.148	.0880	5.205
#1	.0079	1.874	-.0049
#2	.0090	1.872	-.0053

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1378.1	53454.	10368.
Stddev	2.3	280.	28.
%RSD	.16600	.52370	.26922
#1	1376.4	53652.	10387.
#2	1379.7	53256.	10348.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 11:11:53 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	-.0036	.0014	.0016	.0026	-.0002	.0001	.0029	.0000	.0004
Stddev	.0001	.0016	.0005	.0015	.0002	.0000	.0001	.0023	.0001	.0001
%RSD	62.25	45.38	32.09	96.83	8.359	16.55	142.1	79.97	1368.	20.64
#1	.0002	-.0025	.0018	.0027	.0024	-.0002	.0002	.0013	-.0001	.0005
#2	.0001	-.0048	.0011	.0005	.0027	-.0002	.0000	.0046	.0001	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0004	.0028	.0001	.0205	-.0125	.0000	.0022	.0539	.0003	.0018
Stddev	.0002	.0001	.0017	.0155	.0136	.000	.0006	.0136	.0004	.0000
%RSD	55.45	1.973	1490.	75.53	108.3	36.27	27.86	25.20	122.2	2.431
#1	-.0006	.0028	.0013	.0315	-.0029	.0000	.0027	.0636	.0000	.0019
#2	-.0003	.0028	-.0011	.0096	-.0221	.0000	.0018	.0443	.0006	.0018

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0023	-.0003	.0015	.0015	.0143	.0002	-.0001	-.0001	-.0015	.0009
Stddev	.0014	.0020	.0015	.0012	.0001	.0004	.0000	.0001	.0002	.0006
%RSD	59.29	570.2	98.71	79.62	.6757	224.0	71.62	35.33	11.40	67.64
#1	-.0013	.0010	.0005	.0023	.0144	-.0001	.0000	-.0001	-.0017	.0014
#2	-.0033	-.0017	.0026	.0006	.0143	.0004	-.0001	-.0002	-.0014	.0005

Elem	W_2397	Zn2062	Zr3391
Avg	-.0013	.0001	.0000
Stddev	.0013	.0002	.0001
%RSD	101.9	303.8	568.7
#1	-.0004	-.0001	.0000
#2	-.0022	.0002	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1398.8	53954.	10396.
Stddev	1.7	33.	50.
%RSD	.12073	.06045	.47886
#1	1400.0	53931.	10360.
#2	1397.6	53977.	10431.

Zoom In Zoom Out

Sample Name: MC23210-4 Acquired: 8/7/2013 11:16:15 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0004	1.093	.0004	-.0119	.3104	.0790	.0000	50.45
Stddev	.0007	.002	.0006	.0015	.0007	.0005	.0001	.29
%RSD	182.9	.1548	143.9	12.54	.2347	.6842	257.9	.5711
#1	-.0001	1.091	.0000	-.0130	.3099	.0794	.0001	50.66
#2	.0009	1.094	.0008	-.0109	.3110	.0786	.0000	50.25

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0012	.0282	.0048	.0120	1.481	8.277	12.80	6.018
Stddev	.0001	.0002	.0001	.0009	.004	.016	.01	.001
%RSD	4.548	.5582	2.979	7.738	.2490	.1911	.0627	.0151
#1	.0012	.0281	.0047	.0113	1.483	8.288	12.80	6.018
#2	.0011	.0283	.0050	.0126	1.478	8.265	12.81	6.017

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0114	96.32	.0207	-.0008	-.0045	.0310	.0008	.0021
Stddev	.0002	.64	.0001	.0010	.0017	.0035	.0017	.0004
%RSD	2.077	.6627	.3878	135.2	38.31	11.23	226.1	17.63
#1	.0115	96.77	.0206	-.0015	-.0033	.0335	-.0005	.0024
#2	.0112	95.87	.0207	.0000	-.0057	.0285	.0020	.0019

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	10.70	.0006	.2639	.0526	F-.0053	.0035	-.0024	.0562
Stddev	.02	.0007	.0016	.0006	.0014	.0003	.0061	.0001
%RSD	.1496	115.9	.6204	1.060	26.56	9.875	257.5	.2142
#1	10.69	.0001	.2650	.0522	-.0043	.0037	-.0067	.0561
#2	10.72	.0012	.2627	.0530	-.0063	.0032	.0019	.0563

Elem	Zr3391
Avg	-.0018
Stddev	.0003
%RSD	15.45
#1	-.0016
#2	-.0019

Zoom In Zoom Out

Sample Name: MC23210-4 Acquired: 8/7/2013 11:16:15 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1371.7	53194.	10634.
Stddev	2.6	283.	31.
%RSD	.18675	.53121	.29290
#1	1373.6	52995.	10612.
#2	1369.9	53394.	10656.

Zoom In Zoom Out

Sample Name: MC23211-3 Acquired: 8/7/2013 11:20:40 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	59.82	.0566	-.0087	.0518	.5951	.0039	74.23	.0060	.0542
Stddev	.000	1.08	.0006	.0008	.0001	.0105	.0000	1.32	.0002	.0005
%RSD	4178.	1.806	1.058	9.067	.2548	1.759	.2373	1.783	3.059	.9153
#1	.0003	59.06	.0562	-.0081	.0517	.5877	.0040	73.30	.0058	.0539
#2	-.0003	60.59	.0570	-.0092	.0519	.6025	.0039	75.17	.0061	.0546

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0883	.1393	125.8	5.499	40.24	5.245	.0168	23.19	.1249	.0503
Stddev	.0009	.0012	2.4	.002	.08	.041	.0001	.42	.0002	.0012
%RSD	1.042	.8389	1.903	.0347	.2110	.7892	.4918	1.821	.1677	2.318
#1	.0877	.1384	124.1	5.497	40.18	5.274	.0168	22.89	.1248	.0494
#2	.0890	.1401	127.5	5.500	40.30	5.215	.0169	23.48	.1251	.0511

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0144	.0153	.0012	-.0004	66.91	.0033	.1562	.4318	-.0022	.1202
Stddev	.0018	.0009	.0003	.0006	.04	.0003	.0035	.0007	.0011	.0013
%RSD	12.34	5.612	21.49	150.1	.0562	10.08	2.232	.1642	49.80	1.051
#1	-.0157	.0146	.0014	-.0008	66.88	.0031	.1537	.4313	-.0030	.1193
#2	-.0132	.0159	.0010	.0000	66.93	.0036	.1587	.4323	-.0015	.1211

Elem	W_2397	Zn2062	Zr3391
Avg	-.0061	.3761	-.0042
Stddev	.0058	.0016	.0002
%RSD	96.25	.4161	4.855
#1	-.0019	.3750	-.0043
#2	-.0102	.3772	-.0041

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1468.3	57598.	11508.
Stddev	7.5	17.	166.
%RSD	.51315	.03033	1.4435
#1	1473.6	57611.	11626.
#2	1462.9	57586.	11391.

Zoom In Zoom Out

Sample Name: MC23211-4 Acquired: 8/7/2013 11:25:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0009	143.6	.3323	-.0201	.0994	.8801	.0091	164.4
Stddev	.0001	.6	.0005	.0013	.0011	.0032	.0000	.5
%RSD	13.07	.3835	.1476	6.270	1.139	.3649	.3790	.3277
#1	-.0008	144.0	.3320	-.0192	.0986	.8824	.0091	164.8
#2	-.0009	143.2	.3327	-.0210	.1002	.8779	.0091	164.0

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0107	.1793	.2002	.4784	440.1	8.014	120.4	8.285
Stddev	.0002	.0007	.0040	.0013	1.5	.055	.4	.028
%RSD	2.248	.3945	1.979	.2683	.3493	.6846	.3162	.3393
#1	.0109	.1788	.2030	.4775	441.2	7.975	120.7	8.305
#2	.0106	.1798	.1974	.4793	439.0	8.053	120.1	8.266

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0639	31.79	.4067	.2436	-.0463	.0123	-.0002	F-.0128
Stddev	.0002	.12	.0021	.0011	.0026	.0009	.0003	.0019
%RSD	.2933	.3893	.5153	.4625	5.696	7.601	228.6	14.58
#1	.0641	31.87	.4052	.2428	-.0482	.0130	-.0004	-.0115
#2	.0638	31.70	.4082	.2444	-.0445	.0117	.0001	-.0141

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	76.17	.0078	.6921	.6251	.0032	.3056	.0067	1.368
Stddev	.23	.0000	.0024	.0032	.0021	.0000	.0002	.006
%RSD	.3069	.0732	.3408	.5106	65.04	.0114	2.400	.4505
#1	76.01	.0078	.6938	.6274	.0047	.3057	.0069	1.364
#2	76.34	.0078	.6904	.6228	.0017	.3056	.0066	1.372

Elem	Zr3391
Avg	.0246
Stddev	.0002
%RSD	.9120
#1	.0247
#2	.0244

Zoom In Zoom Out

Sample Name: MC23211-4 Acquired: 8/7/2013 11:25:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1580.7	63541.	12701.
Stddev	4.0	334.	24.
%RSD	.25616	.52575	.18910
#1	1583.6	63305.	12684.
#2	1577.8	63778.	12718.

Zoom In Zoom Out

Sample Name: MC23211-5 Acquired: 8/7/2013 11:29:25 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0006	244.2	.3225	-.0351	.2000	1.687	.0147	326.0
Stddev	.0001	6.7	.0009	.0027	.0006	.042	.0004	16.4
%RSD	15.04	2.751	.2876	7.797	.2758	2.489	2.667	5.033
#1	-.0007	249.0	.3232	-.0332	.1996	1.717	.0150	337.6
#2	-.0006	239.5	.3219	-.0370	.2004	1.657	.0144	314.4

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0151	.2857	.3393	.7525	F567.9	15.22	160.4	F14.80
Stddev	.0005	.0015	.0045	.0026	17.3	.28	4.6	.12
%RSD	3.243	.5079	1.324	.3519	3.045	1.869	2.888	.7832
#1	.0148	.2847	.3425	.7544	580.1	15.42	163.7	14.88
#2	.0155	.2868	.3361	.7506	555.7	15.01	157.1	14.72

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0510	5.397	.7390	.5910	F-.0778	.0356	-.0016	F-.0260
Stddev	.0002	.150	.0013	.0013	.0010	.0001	.0001	.0027
%RSD	.4510	2.782	.1736	.2172	1.326	.3686	5.131	10.28
#1	.0509	5.503	.7381	.5900	-.0771	.0355	-.0015	-.0241
#2	.0512	5.291	.7399	.5919	-.0785	.0357	-.0016	-.0279

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	92.97	.0136	.7349	.8185	.0105	.4727	.0163	2.017
Stddev	.29	.0004	.0171	.0000	.0020	.0002	.0054	.002
%RSD	.3157	2.706	2.327	.0059	19.60	.0399	32.79	.1054
#1	92.77	.0134	.7470	.8185	.0119	.4728	.0201	2.016
#2	93.18	.0139	.7228	.8185	.0090	.4725	.0125	2.019

Elem	Zr3391
Avg	.0272
Stddev	.0007
%RSD	2.597
#1	.0267
#2	.0277

Zoom In Zoom Out

Sample Name: MC23211-5 Acquired: 8/7/2013 11:29:25 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1760.6	71676.	14206.
Stddev	3.4	289.	366.
%RSD	.19196	.40348	2.5758
#1	1763.0	71471.	13947.
#2	1758.2	71880.	14464.

Zoom In Zoom Out

Sample Name: MC23211-6 Acquired: 8/7/2013 11:33:55 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	28.64	.0298	-.0062	.0501	.3279	.0018	65.60	.0032	.0235
Stddev	.0001	.39	.0004	.0028	.0002	.0049	.0000	.92	.0002	.0002
%RSD	36.15	1.366	1.235	45.38	.3589	1.484	1.360	1.409	7.279	.7440
#1	.0003	28.92	.0301	-.0081	.0502	.3313	.0018	66.25	.0031	.0234
#2	.0005	28.36	.0296	-.0042	.0500	.3244	.0018	64.94	.0034	.0236

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0399	.0637	58.33	3.704	31.30	3.532	.0106	24.55	.0539	.0189
Stddev	.0005	.0005	.76	.013	.20	.016	.0003	.38	.0003	.0011
%RSD	1.190	.8283	1.311	.3401	.6458	.4549	2.489	1.547	.5955	5.894
#1	.0402	.0641	58.87	3.695	31.44	3.520	.0108	24.82	.0541	.0182
#2	.0395	.0633	57.79	3.713	31.16	3.543	.0104	24.28	.0537	.0197

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0085	.0112	.0014	.0004	41.87	.0026	.1494	.3100	-.0045	.0568
Stddev	.0006	.0048	.0008	.0002	.04	.0002	.0020	.0029	.0014	.0008
%RSD	6.881	42.49	55.75	42.08	.0924	6.517	1.324	.9261	31.37	1.370
#1	-.0081	.0079	.0020	.0006	41.90	.0025	.1508	.3120	-.0055	.0573
#2	-.0089	.0146	.0009	.0003	41.84	.0027	.1480	.3080	-.0035	.0562

Elem	W_2397	Zn2062	Zr3391
Avg	-.0028	.1771	-.0022
Stddev	.0085	.0006	.0005
%RSD	299.7	.3437	20.89
#1	-.0089	.1766	-.0019
#2	.0032	.1775	-.0026

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1399.8	55217.	10940.
Stddev	4.9	322.	190.
%RSD	.34947	.58321	1.7407
#1	1403.3	55444.	10805.
#2	1396.4	54989.	11074.

Zoom In Zoom Out

Sample Name: MC23211-7 Acquired: 8/7/2013 11:38:11 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0002	12.58	.0792	-.0105	.1114	.3885	.0008	80.42
Stddev	.0008	.20	.0015	.0009	.0004	.0065	.0000	1.10
%RSD	335.7	1.619	1.923	8.935	.3647	1.678	2.487	1.367
#1	.0008	12.43	.0781	-.0098	.1111	.3838	.0008	79.64
#2	-.0003	12.72	.0803	-.0111	.1116	.3931	.0008	81.19

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0022	.0148	.0161	.0254	58.73	3.487	40.50	6.498
Stddev	.0001	.0000	.0007	.0001	.78	.002	.21	.010
%RSD	3.425	.2009	4.576	.5838	1.328	.0689	.5247	.1510
#1	.0022	.0147	.0155	.0255	58.18	3.489	40.35	6.505
#2	.0021	.0148	.0166	.0253	59.28	3.485	40.65	6.491

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0119	35.10	.0251	.0132	-.0097	.0283	.0016	.0009
Stddev	.0002	.54	.0001	.0012	.0001	.0074	.0000	.0005
%RSD	1.447	1.538	.2400	9.214	1.019	26.02	.6982	53.81
#1	.0120	34.72	.0251	.0141	-.0098	.0231	.0017	.0013
#2	.0117	35.48	.0252	.0124	-.0096	.0336	.0016	.0006

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	25.96	.0010	.3265	.1948	F-.0058	.0259	-.0038	.0932
Stddev	.01	.0008	.0045	.0024	.0006	.0003	.0049	.0000
%RSD	.0573	83.42	1.387	1.207	10.22	.9713	129.9	.0224
#1	25.95	.0004	.3233	.1931	-.0062	.0257	-.0003	.0932
#2	25.97	.0016	.3297	.1964	-.0054	.0261	-.0073	.0933

Elem	Zr3391
Avg	.0015
Stddev	.0002
%RSD	16.39
#1	.0013
#2	.0017

Zoom In Zoom Out

Sample Name: MC23211-7 Acquired: 8/7/2013 11:38:11 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1372.5	53595.	10563.
Stddev	2.3	125.	99.
%RSD	.16491	.23406	.93605
#1	1370.9	53506.	10633.
#2	1374.1	53684.	10493.

Zoom In Zoom Out

Sample Name: MC23211-8 Acquired: 8/7/2013 11:42:34 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.8977	.1283	-.0037	.1124	.2752	.0001	88.52	.0022	.0029
Stddev	.0002	.0626	.0014	.0009	.0007	.0178	.0000	5.66	.0002	.0001
%RSD	71.48	6.975	1.091	24.53	.6287	6.469	68.98	6.397	9.747	2.989
#1	.0004	.8534	.1292	-.0043	.1129	.2626	.0000	84.52	.0023	.0030
#2	.0001	.9419	.1273	-.0030	.1119	.2878	.0001	92.52	.0020	.0028

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0026	.0097	31.15	1.580	35.63	.6319	.0032	19.69	.0051	.0003
Stddev	.0003	.0023	2.17	.142	2.86	.0603	.0001	1.25	.0000	.0008
%RSD	10.20	23.95	6.951	8.965	8.038	9.546	3.105	6.323	.9678	282.6
#1	.0028	.0114	29.62	1.480	33.60	.6745	.0033	18.81	.0052	.0009
#2	.0024	.0081	32.68	1.680	37.65	.5892	.0032	20.57	.0051	-.0003

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0086	-.0003	.0021	.0017	7.898	-.0001	3.443	.0188	-.0044	.0033
Stddev	.0011	.0044	.0017	.0012	.016	.0001	.159	.0013	.0003	.0000
%RSD	12.26	1384.	80.17	68.80	.1960	58.47	4.624	7.052	5.822	.8654
#1	-.0093	.0028	.0009	.0009	7.909	-.0002	3.330	.0198	-.0046	.0033
#2	-.0078	-.0035	.0033	.0026	7.888	-.0001	3.555	.0179	-.0042	.0033

Elem	W_2397	Zn2062	Zr3391
Avg	-.0042	.0157	-.0001
Stddev	.0014	.0000	.0010
%RSD	32.14	.2025	916.8
#1	-.0052	.0157	.0006
#2	-.0033	.0157	-.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1354.9	50614.	10326.
Stddev	.2	4143.	511.
%RSD	.01834	8.1854	4.9525
#1	1354.8	47684.	10688.
#2	1355.1	53543.	9964.8

Zoom In Zoom Out

Sample Name: MC23211-9 Acquired: 8/7/2013 11:46:58 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0000	2.150	.0110	-.0166	.1650	.1323	.0001	88.54
Stddev	.000	.003	.0017	.0002	.0004	.0019	.0000	1.08
%RSD	361.8	.1358	15.51	.9522	.2201	1.452	8.792	1.217
#1	.0000	2.152	.0123	-.0167	.1648	.1336	.0001	89.30
#2	-.0001	2.148	.0098	-.0165	.1653	.1309	.0001	87.78

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0010	.0055	.0038	.0063	7.034	1.276	25.81	9.035
Stddev	.0001	.0001	.0009	.0004	.001	.013	.06	.049
%RSD	7.633	1.382	23.34	5.929	.0078	.9920	.2470	.5441
#1	.0010	.0055	.0044	.0066	7.034	1.267	25.85	9.070
#2	.0009	.0056	.0031	.0061	7.034	1.285	25.76	9.000

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0022	14.25	.0099	.0004	-.0067	.0445	.0012	.0005
Stddev	.0001	.20	.0001	.0001	.0008	.0020	.0001	.0009
%RSD	3.076	1.427	.6013	12.64	11.47	4.527	8.541	180.4
#1	.0022	14.39	.0100	.0004	-.0061	.0459	.0013	.0011
#2	.0021	14.11	.0099	.0004	-.0072	.0431	.0011	-.0001

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	9.786	-.0003	.2653	.0418	F-.0067	.0051	-.0051	.0157
Stddev	.021	.0007	.0038	.0002	.0009	.0004	.0017	.0001
%RSD	.2189	275.3	1.421	.5648	13.29	7.882	34.14	.7844
#1	9.771	.0002	.2679	.0417	-.0074	.0048	-.0063	.0158
#2	9.801	-.0007	.2626	.0420	-.0061	.0054	-.0039	.0157

Elem	Zr3391
Avg	-.0003
Stddev	.0000
%RSD	1.188
#1	-.0003
#2	-.0003

Zoom In Zoom Out

Sample Name: MC23211-9 Acquired: 8/7/2013 11:46:58 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1365.7	53389.	10537.
Stddev	.9	158.	104.
%RSD	.06875	.29599	.98964
#1	1365.1	53277.	10463.
#2	1366.4	53500.	10611.

Zoom In Zoom Out

Sample Name: MC23211-10 Acquired: 8/7/2013 11:51:23 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0005	1.824	.0317	-.0173	.0240	.2338	.0001	101.4
Stddev	.0004	.023	.0006	.0006	.0004	.0017	.0000	1.0
%RSD	71.65	1.278	1.844	3.237	1.799	.7295	20.44	.9672
#1	-.0002	1.807	.0321	-.0169	.0243	.2326	.0001	100.7
#2	-.0008	1.840	.0312	-.0177	.0237	.2351	.0001	102.1

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0013	.0043	.0033	.0115	17.93	3.301	48.14	8.683
Stddev	.0003	.0001	.0003	.0007	.16	.024	.37	.005
%RSD	21.78	1.171	10.48	5.924	.8682	.7197	.7632	.0578
#1	.0015	.0043	.0035	.0110	17.82	3.318	47.88	8.679
#2	.0011	.0044	.0030	.0120	18.04	3.284	48.40	8.686

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0068	63.27	.0123	-.0008	-.0080	.0380	.0020	.0005
Stddev	.0001	.57	.0001	.0017	.0009	.0035	.0002	.0001
%RSD	1.378	.9073	.7775	217.4	11.79	9.320	12.14	24.57
#1	.0069	62.87	.0122	.0004	-.0086	.0405	.0019	.0004
#2	.0067	63.68	.0123	-.0020	-.0073	.0355	.0022	.0006

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	11.78	.0003	.2529	.0326	F-.0056	.0051	-.0021	.0171
Stddev	.02	.0004	.0017	.0009	.0011	.0004	.0044	.0001
%RSD	.1804	151.0	.6532	2.857	19.39	8.716	216.3	.6927
#1	11.76	.0000	.2517	.0333	-.0048	.0054	-.0052	.0170
#2	11.79	.0006	.2541	.0320	-.0064	.0047	.0011	.0172

Elem	Zr3391
Avg	-.0009
Stddev	.0000
%RSD	1.963
#1	-.0009
#2	-.0010

Zoom In Zoom Out

Sample Name: MC23211-10 Acquired: 8/7/2013 11:51:23 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1358.7	53090.	10548.
Stddev	3.7	41.	199.
%RSD	.26989	.07752	1.8877
#1	1361.3	53119.	10689.
#2	1356.1	53061.	10407.

Zoom In Zoom Out

Sample Name: MC23251-8 Acquired: 8/7/2013 11:55:47 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	.0681	.0010	.0002	.3359	.0745	-.0001	42.77	.0002	.0039
Stddev	.0000	.0015	.0001	.0002	.0006	.0005	.0001	.19	.0002	.0000
%RSD	10.49	2.253	9.704	113.3	.1672	.6827	101.9	.4488	131.1	.5344
#1	-.0003	.0670	.0011	.0000	.3363	.0748	-.0001	42.90	.0003	.0039
#2	-.0004	.0692	.0010	.0004	.3355	.0741	.0000	42.63	.0000	.0039

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.453	.0025	.0467	8.532	6.904	.9520	.0004	68.47	.0010	-.0010
Stddev	.005	.0002	.0015	.002	.009	.0042	.0002	.36	.0000	.0004
%RSD	.2074	7.905	3.305	.0259	.1240	.4436	44.60	.5228	1.932	37.55
#1	2.457	.0023	.0478	8.530	6.910	.9550	.0003	68.73	.0010	-.0013
#2	2.450	.0026	.0456	8.534	6.897	.9490	.0006	68.22	.0010	-.0007

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0040	-.0063	.0020	.0027	5.904	.0002	.2353	.0027	-.0020	.0009
Stddev	.0010	.0006	.0002	.0006	.000	.0005	.0016	.0001	.0013	.0008
%RSD	24.14	9.382	8.589	22.37	.0053	287.5	.6870	3.840	62.86	85.48
#1	-.0034	-.0067	.0022	.0023	5.904	.0005	.2364	.0027	-.0030	.0004
#2	-.0047	-.0059	.0019	.0031	5.905	-.0002	.2341	.0026	-.0011	.0015

Elem	W_2397	Zn2062	Zr3391
Avg	-.0017	.0016	-.0013
Stddev	.0042	.0000	.0003
%RSD	244.4	.2520	19.50
#1	-.0047	.0016	-.0015
#2	.0012	.0016	-.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1375.9	53605.	10488.
Stddev	4.4	161.	58.
%RSD	.31884	.29953	.55101
#1	1372.8	53491.	10448.
#2	1379.0	53718.	10529.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 12:00:07 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2497	10.30	1.980	-.0035	2.010	1.883	1.974	9.892	1.985	2.064
Stddev	.0011	.07	.002	.0006	.004	.009	.009	.084	.001	.005
%RSD	.4511	.6667	.0835	15.64	.1913	.4569	.4602	.8536	.0495	.2464
#1	.2489	10.25	1.981	-.0039	2.012	1.877	1.967	9.832	1.986	2.068
#2	.2505	10.34	1.979	-.0032	2.007	1.889	1.980	9.951	1.984	2.060

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.965	1.986	9.537	9.672	9.470	2.065	1.986	10.33	1.949	1.929
Stddev	.001	.004	.068	.053	.071	.001	.000	.07	.002	.002
%RSD	.0394	.2193	.7138	.5495	.7532	.0514	.0224	.7115	.0904	.0912
#1	1.965	1.989	9.489	9.634	9.521	2.066	1.986	10.28	1.950	1.930
#2	1.966	1.982	9.585	9.709	9.420	2.064	1.986	10.38	1.947	1.928

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0031	.0039	2.003	2.002	.2105	2.023	1.949	2.012	1.987	2.012
Stddev	.0016	.0023	.006	.006	.0071	.006	.010	.002	.004	.004
%RSD	52.80	59.86	.2787	.2965	3.359	.3236	.5080	.1126	.1811	.1747
#1	-.0042	.0055	2.007	2.006	.2155	2.028	1.942	2.013	1.989	2.014
#2	-.0019	.0022	1.999	1.998	.2055	2.019	1.956	2.010	1.984	2.009

Elem	W_2397	Zn2062	Zr3391
Avg	.0042	1.892	-.0035
Stddev	.0034	.002	.0003
%RSD	81.45	.0885	7.606
#1	.0066	1.893	-.0033
#2	.0018	1.891	-.0037

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1368.2	53535.	10486.
Stddev	2.0	99.	168.
%RSD	.14925	.18425	1.6008
#1	1369.6	53604.	10604.
#2	1366.7	53465.	10367.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 12:04:19 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	.0097	.0013	.0020	.0024	-.0003	.0002	.0017	.0000	.0001
Stddev	.0000	.0038	.0006	.0001	.0007	.0001	.0000	.0007	.000	.0000
%RSD	15.56	39.74	50.31	4.416	28.84	42.37	17.21	38.56	266.6	45.75
#1	-.0003	.0070	.0008	.0021	.0029	-.0002	.0002	.0022	.0000	.0001
#2	-.0003	.0124	.0017	.0020	.0019	-.0003	.0001	.0012	.0000	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0017	-.0012	.0354	-.0289	.0000	.0027	.0249	.0003	.0017
Stddev	.0002	.0000	.0014	.0020	.0233	.000	.0004	.0043	.0006	.0006
%RSD	105.2	.9581	117.4	5.520	80.53	393.0	14.66	17.40	188.6	35.00
#1	-.0004	.0017	-.0022	.0368	-.0124	.0000	.0030	.0218	-.0001	.0022
#2	-.0001	.0017	-.0002	.0340	-.0453	.0000	.0024	.0280	.0007	.0013

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0032	-.0077	.0006	.0009	.0238	.0004	-.0001	-.0003	-.0003	.0009
Stddev	.0013	.0044	.0006	.0001	.0005	.0001	.0000	.0002	.0017	.0007
%RSD	39.93	56.62	100.3	7.852	2.109	18.31	7.106	58.04	522.0	78.95
#1	-.0023	-.0046	.0002	.0010	.0242	.0004	-.0001	-.0004	.0009	.0004
#2	-.0041	-.0108	.0010	.0009	.0235	.0005	-.0001	-.0002	-.0015	.0014

Elem	W_2397	Zn2062	Zr3391
Avg	-.0049	.0001	.0003
Stddev	.0047	.0001	.0001
%RSD	95.48	118.6	55.72
#1	-.0016	.0001	.0002
#2	-.0082	.0000	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1382.8	53585.	10398.
Stddev	.1	315.	170.
%RSD	.00993	.58753	1.6373
#1	1382.7	53362.	10278.
#2	1382.9	53807.	10519.

Zoom In Zoom Out

Sample Name: MP21459-B1 Acquired: 8/7/2013 12:08:42 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1989	2.078	.5290	-.0004	.0041	1.899	.5079	24.03	.5059	.5078
Stddev	.0010	.006	.0009	.0005	.0001	.000	.0002	.02	.0010	.0011
%RSD	.4975	.3084	.1747	115.1	1.328	.0033	.0343	.0921	.1950	.2138
#1	.1996	2.073	.5296	-.0008	.0040	1.899	.5080	24.05	.5052	.5070
#2	.1982	2.082	.5283	-.0001	.0041	1.899	.5077	24.02	.5066	.5085

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5131	.4841	1.899	24.20	23.83	.5057	.0010	25.64	.4815	.9642
Stddev	.0022	.0033	.010	.07	.01	.0003	.0001	.04	.0008	.0031
%RSD	.4298	.6717	.5315	.3018	.0524	.0645	7.276	.1547	.1643	.3202
#1	.5146	.4818	1.907	24.15	23.83	.5059	.0011	25.61	.4810	.9620
#2	.5115	.4864	1.892	24.26	23.82	.5054	.0010	25.67	.4821	.9664

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0020	-.0049	.5069	.5046	.0629	-.0011	.4753	.5002	.4991	.5235
Stddev	.0011	.0002	.0000	.0008	.0009	.0002	.0008	.0097	.0005	.0038
%RSD	55.12	3.325	.0091	.1534	1.505	21.74	.1651	1.947	.1011	.7274
#1	-.0012	-.0050	.5069	.5051	.0636	-.0013	.4759	.5071	.4988	.5262
#2	-.0027	-.0048	.5069	.5040	.0623	-.0009	.4748	.4933	.4995	.5208

Elem	W_2397	Zn2062	Zr3391
Avg	.0010	.4883	-.0016
Stddev	.0038	.0014	.0001
%RSD	389.5	.2780	4.823
#1	.0037	.4873	-.0016
#2	-.0017	.4892	-.0015

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1365.5	53519.	10518.
Stddev	5.5	16.	22.
%RSD	.40397	.02939	.20876
#1	1369.4	53508.	10502.
#2	1361.6	53530.	10533.

Zoom In Zoom Out

Sample Name: MP21459-MB1 Acquired: 8/7/2013 12:12:57 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	.0063	-.0001	.0006	.0009	.0000	.0001	.0037	.0001	-.0003
Stddev	.0003	.0058	.0002	.0003	.0002	.0001	.0000	.0006	.0000	.0002
%RSD	320.1	92.03	411.2	48.27	24.99	828.6	9.058	16.94	19.22	60.78
#1	.0003	.0104	-.0002	.0008	.0008	.0000	.0001	.0041	.0002	-.0004
#2	-.0001	.0022	.0001	.0004	.0011	.0001	.0001	.0032	.0001	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	.0016	-.0028	.0145	-.0667	.0007	.0005	.0229	-.0001	.0017
Stddev	.0001	.0000	.0014	.0087	.0006	.0001	.0002	.0048	.0001	.0001
%RSD	15.23	1.144	49.53	59.64	.8750	7.991	35.41	20.99	58.64	4.298
#1	-.0004	.0016	-.0038	.0084	-.0663	.0008	.0006	.0195	-.0001	.0016
#2	-.0003	.0016	-.0018	.0206	-.0671	.0007	.0003	.0263	-.0002	.0017

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0018	-.0015	.0010	.0007	.0517	.0001	-.0001	-.0005	-.0042	.0009
Stddev	.0001	.0002	.0004	.0007	.0000	.0008	.0000	.0006	.0007	.0000
%RSD	6.192	14.43	42.16	98.45	.0557	730.8	28.97	108.9	17.19	2.513
#1	-.0018	-.0014	.0007	.0012	.0518	-.0005	-.0002	-.0010	-.0037	.0009
#2	-.0019	-.0017	.0013	.0002	.0517	.0007	-.0001	-.0001	-.0047	.0009

Elem	W_2397	Zn2062	Zr3391
Avg	-.0052	.0005	.0002
Stddev	.0018	.0002	.0001
%RSD	34.73	42.74	43.17
#1	-.0065	.0004	.0002
#2	-.0039	.0007	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1376.0	53880.	10376.
Stddev	1.3	97.	37.
%RSD	.09131	.18025	.35828
#1	1375.1	53812.	10350.
#2	1376.8	53949.	10403.

Zoom In Zoom Out

Sample Name: MP21459-S1 Acquired: 8/7/2013 12:17:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1994	2.107	.5321	-.0006	.0411	1.949	.5046	61.64	.5087	.5115
Stddev	.0028	.011	.0003	.0026	.0001	.000	.0005	.00	.0009	.0012
%RSD	1.387	.4969	.0625	429.3	.1968	.0191	.0927	.0013	.1683	.2339
#1	.1974	2.100	.5319	-.0024	.0412	1.950	.5050	61.64	.5081	.5107
#2	.2013	2.115	.5323	.0012	.0411	1.949	.5043	61.64	.5093	.5124

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5068	.4883	8.633	31.46	27.44	.8617	.0009	127.6	.4818	.9698
Stddev	.0025	.0008	.014	.10	.12	.0018	.0000	.1	.0004	.0020
%RSD	.4911	.1645	.1568	.3296	.4340	.2135	3.020	.0727	.0758	.2071
#1	.5050	.4877	8.643	31.39	27.36	.8604	.0009	127.5	.4816	.9684
#2	.5085	.4889	8.624	31.54	27.52	.8630	.0009	127.6	.4821	.9713

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0033	.0033	.5081	.4996	7.050	-.0011	.6446	.4926	.5034	.5119
Stddev	.0017	.0018	.0007	.0007	.008	.0005	.0002	.0044	.0036	.0035
%RSD	51.48	55.12	.1322	.1324	.1155	47.57	.0343	.8938	.7058	.6868
#1	-.0021	.0046	.5086	.4991	7.045	-.0007	.6444	.4957	.5059	.5144
#2	-.0045	.0020	.5077	.5001	7.056	-.0014	.6448	.4895	.5009	.5094

Elem	W_2397	Zn2062	Zr3391
Avg	.0032	.4868	-.0026
Stddev	.0064	.0002	.0001
%RSD	199.8	.0486	2.637
#1	-.0013	.4870	-.0026
#2	.0077	.4866	-.0027

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1366.1	53818.	10380.
Stddev	.7	133.	19.
%RSD	.04907	.24629	.18425
#1	1365.6	53912.	10393.
#2	1366.6	53724.	10366.

Zoom In Zoom Out

Sample Name: MP21459-S2 Acquired: 8/7/2013 12:21:35 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2025	2.116	.5377	-.0001	.0413	1.952	.5057	61.63	.5141	.5166
Stddev	.0004	.020	.0010	.0005	.0008	.001	.0009	.12	.0005	.0006
%RSD	.2101	.9428	.1922	415.2	1.834	.0413	.1871	.1940	.0981	.1146
#1	.2022	2.130	.5370	.0002	.0407	1.951	.5050	61.54	.5144	.5162
#2	.2028	2.101	.5384	-.0004	.0418	1.952	.5064	61.71	.5137	.5170

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5156	.4928	8.654	31.44	27.54	.8703	.0008	127.6	.4855	.9765
Stddev	.0004	.0006	.004	.06	.10	.0033	.0001	.1	.0006	.0013
%RSD	.0755	.1265	.0486	.1756	.3537	.3791	6.899	.0491	.1332	.1333
#1	.5154	.4924	8.657	31.40	27.47	.8680	.0008	127.6	.4859	.9774
#2	.5159	.4932	8.652	31.48	27.61	.8726	.0008	127.7	.4850	.9756

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0041	-.0046	.5115	.5024	7.075	-.0009	.6444	.4939	.5064	.5288
Stddev	.0010	.0049	.0013	.0004	.006	.0008	.0014	.0019	.0017	.0004
%RSD	23.95	106.1	.2602	.0819	.0904	87.78	.2229	.3893	.3268	.0833
#1	-.0047	-.0012	.5124	.5021	7.070	-.0004	.6434	.4925	.5076	.5291
#2	-.0034	-.0081	.5106	.5027	7.079	-.0015	.6454	.4952	.5052	.5285

Elem	W_2397	Zn2062	Zr3391
Avg	-.0020	.4920	-.0030
Stddev	.0076	.0002	.0000
%RSD	375.5	.0308	1.030
#1	-.0074	.4921	-.0030
#2	.0033	.4919	-.0029

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1361.9	52962.	10394.
Stddev	3.8	442.	71.
%RSD	.28099	.83523	.68307
#1	1359.1	53274.	10444.
#2	1364.6	52649.	10344.

Zoom In Zoom Out

Sample Name: MC23198-1F Acquired: 8/7/2013 12:25:49 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0131	.0056	.0006	.0394	.0505	.0002	38.28	.0001	.0026
Stddev	.0003	.0002	.0014	.0005	.0001	.0002	.0001	.35	.0001	.0002
%RSD	117.6	1.521	25.52	78.47	.3700	.3429	36.77	.9253	193.7	5.801
#1	.0004	.0132	.0066	.0009	.0393	.0504	.0001	38.53	.0001	.0025
#2	.0000	.0129	.0046	.0003	.0395	.0506	.0002	38.03	.0000	.0027

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0014	6.939	7.310	3.840	.3736	.0007	102.8	.0021	.0017
Stddev	.0000	.0001	.038	.033	.004	.0002	.0001	1.0	.0000	.0006
%RSD	17.81	5.903	.5515	.4491	.1098	.0520	7.447	.9460	.0503	36.54
#1	-.0002	.0015	6.912	7.287	3.837	.3735	.0008	103.4	.0021	.0021
#2	-.0002	.0014	6.966	7.334	3.843	.3738	.0007	102.1	.0021	.0013

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0034	-.0004	.0015	.0012	7.139	.0000	.1670	-.0001	-.0049	.0007
Stddev	.0013	.0036	.0004	.0013	.010	.001	.0021	.0002	.0004	.0005
%RSD	38.56	832.1	29.17	112.1	.1435	4225.	1.267	129.3	8.583	68.57
#1	-.0044	.0021	.0012	.0002	7.146	-.0006	.1685	-.0003	-.0046	.0011
#2	-.0025	-.0030	.0018	.0021	7.132	.0006	.1655	.0000	-.0052	.0004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0044	.0026	-.0012
Stddev	.0046	.0000	.0004
%RSD	102.8	1.651	28.85
#1	-.0076	.0027	-.0010
#2	-.0012	.0026	-.0015

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1380.5	53818.	10571.
Stddev	3.2	241.	65.
%RSD	.23512	.44830	.61644
#1	1378.2	53989.	10525.
#2	1382.8	53648.	10618.

Zoom In Zoom Out

Sample Name: MP21459-SD1 Acquired: 8/7/2013 12:30:12 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0439	.0118	.0022	.0442	.0504	.0003	40.14	-.0012	.0031
Stddev	.0020	.0386	.0027	.0032	.0010	.0007	.0008	.10	.0004	.0010
%RSD	1236.	87.92	22.40	146.9	2.258	1.433	305.9	.2484	30.17	31.03
#1	-.0015	.0711	.0137	-.0001	.0435	.0509	.0008	40.21	-.0015	.0024
#2	.0012	.0166	.0100	.0045	.0449	.0499	-.0003	40.07	-.0010	.0038

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0030	.0051	7.023	7.673	3.874	.3950	.0021	106.6	.0014	.0015
Stddev	.0014	.0011	.003	.022	.220	.0023	.0001	.5	.0007	.0020
%RSD	45.82	21.89	.0448	.2879	5.684	.5738	4.728	.4350	46.79	134.4
#1	-.0020	.0043	7.025	7.657	4.030	.3934	.0022	106.9	.0010	.0001
#2	-.0039	.0059	7.020	7.688	3.719	.3966	.0021	106.2	.0019	.0028

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0134	-.0113	.0024	.0024	7.315	-.0018	.1709	-.0019	-.0097	.0035
Stddev	.0016	.0034	.0048	.0030	.009	.0019	.0000	.0019	.0061	.0027
%RSD	11.76	30.45	199.1	123.8	.1291	105.6	.0196	98.84	63.44	76.95
#1	-.0123	-.0137	.0058	.0003	7.322	-.0032	.1710	-.0033	-.0140	.0054
#2	-.0146	-.0089	-.0010	.0045	7.309	-.0005	.1709	-.0006	-.0053	.0016

Elem	W_2397	Zn2062	Zr3391
Avg	-.0309	.0025	-.0011
Stddev	.0203	.0002	.0014
%RSD	65.71	6.381	123.7
#1	-.0453	.0024	-.0021
#2	-.0166	.0026	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1381.8	53642.	10309.
Stddev	4.8	291.	170.
%RSD	.34570	.54208	1.6500
#1	1378.5	53848.	10189.
#2	1385.2	53437.	10429.

Zoom In Zoom Out

Sample Name: MP21459-B2 Acquired: 8/7/2013 12:34:33 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2010	2.098	.5364	-.0005	.0028	1.918	.5114	24.34	.5142	.5163
Stddev	.0001	.005	.0015	.0005	.0000	.012	.0021	.15	.0006	.0011
%RSD	.0701	.2192	.2717	92.49	.8791	.6031	.4178	.6269	.1209	.2065
#1	.2009	2.102	.5374	-.0002	.0028	1.927	.5129	24.45	.5146	.5171
#2	.2011	2.095	.5353	-.0009	.0028	1.910	.5099	24.23	.5138	.5156

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5198	.4920	1.914	24.58	24.10	.5098	.0007	25.82	.4867	.9799
Stddev	.0018	.0011	.020	.13	.23	.0015	.0003	.11	.0004	.0034
%RSD	.3373	.2137	1.055	.5141	.9445	.2874	43.12	.4353	.0789	.3441
#1	.5210	.4928	1.928	24.67	24.26	.5109	.0005	25.90	.4869	.9823
#2	.5185	.4913	1.900	24.50	23.94	.5088	.0009	25.74	.4864	.9775

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0024	-.0019	.5128	.5127	.0579	-.0006	.4816	.4984	.5084	.5240
Stddev	.0007	.0059	.0014	.0025	.0000	.0001	.0027	.0017	.0040	.0076
%RSD	31.02	314.9	.2725	.4786	.0506	10.98	.5530	.3384	.7850	1.450
#1	-.0029	-.0060	.5138	.5145	.0578	-.0005	.4835	.4996	.5112	.5294
#2	-.0018	.0023	.5118	.5110	.0579	-.0006	.4797	.4972	.5056	.5187

Elem	W_2397	Zn2062	Zr3391
Avg	-.0006	.4956	-.0017
Stddev	.0034	.0006	.0002
%RSD	593.2	.1221	10.02
#1	.0019	.4960	-.0019
#2	-.0030	.4952	-.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1367.7	53687.	10428.
Stddev	1.8	258.	41.
%RSD	.13509	.48049	.39240
#1	1366.4	53504.	10399.
#2	1369.0	53869.	10457.

Zoom In Zoom Out

Sample Name: MP21459-MB2 Acquired: 8/7/2013 12:38:47 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	.0142	.0014	.0004	.0011	.0000	.0000	.0097	-.0001	-.0001
Stddev	.0002	.0009	.0005	.0012	.0000	.0001	.000	.0001	.0000	.0001
%RSD	45.42	6.360	39.83	307.9	.5202	209.3	58.95	.8983	63.70	97.63
#1	-.0003	.0148	.0010	.0012	.0011	.0001	.0000	.0096	.0000	.0000
#2	-.0006	.0135	.0018	-.0005	.0011	.0000	-.0001	.0097	-.0001	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0007	.0018	.0021	.0664	-.0320	.0001	.0004	.0430	-.0001	.0005
Stddev	.0001	.0005	.0005	.0272	.0161	.0001	.0001	.0028	.0001	.0005
%RSD	8.049	26.33	22.23	40.97	50.41	88.63	37.20	6.481	71.95	110.0
#1	-.0007	.0021	.0025	.0471	-.0434	.0002	.0003	.0450	-.0001	.0008
#2	-.0007	.0014	.0018	.0856	-.0206	.0000	.0005	.0410	.0000	.0001

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0035	-.0060	.0005	.0012	.0516	.0005	-.0002	-.0004	-.0036	.0011
Stddev	.0011	.0020	.0003	.0010	.0004	.0002	.0000	.0003	.0006	.0002
%RSD	32.53	33.13	55.05	84.90	.8521	37.17	27.58	70.14	16.37	19.24
#1	-.0043	-.0074	.0007	.0020	.0520	.0006	-.0001	-.0006	-.0041	.0010
#2	-.0027	-.0046	.0003	.0005	.0513	.0003	-.0002	-.0002	-.0032	.0013

Elem	W_2397	Zn2062	Zr3391
Avg	-.0030	.0002	.0001
Stddev	.0031	.0002	.0000
%RSD	102.9	106.4	9.868
#1	-.0008	.0000	.0001
#2	-.0052	.0003	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1377.4	53865.	10516.
Stddev	3.9	378.	87.
%RSD	.28033	.70159	.82437
#1	1374.7	54132.	10455.
#2	1380.1	53598.	10577.

Zoom In Zoom Out

Sample Name: MC23185-2F Acquired: 8/7/2013 12:43:12 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	.0213	.0015	-.0033	.0824	.0543	.0000	50.94	.0006	.0042
Stddev	.0003	.0043	.0002	.0001	.0001	.0008	.000	.55	.0000	.0003
%RSD	62.06	20.22	12.35	1.808	.1083	1.385	694.3	1.079	8.395	6.639
#1	-.0002	.0183	.0013	-.0033	.0824	.0548	.0000	51.32	.0006	.0044
#2	-.0006	.0243	.0016	-.0033	.0825	.0538	.0000	50.55	.0006	.0040

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	.0020	.3928	2.905	4.686	2.393	.0010	48.65	.0028	-.0003
Stddev	.0002	.0002	.0006	.018	.016	.001	.0000	.51	.0004	.0000
%RSD	223.3	9.965	.1488	.6233	.3375	.0253	5.042	1.050	14.44	2.498
#1	.0001	.0021	.3924	2.918	4.675	2.394	.0010	49.01	.0026	-.0003
#2	-.0002	.0019	.3932	2.892	4.697	2.393	.0010	48.29	.0031	-.0003

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0043	.0067	.0015	.0018	6.062	-.0003	.1446	.0001	-.0041	.0005
Stddev	.0018	.0027	.0005	.0001	.002	.0002	.0021	.0001	.0008	.0009
%RSD	41.56	41.01	30.77	4.015	.0297	71.02	1.430	125.3	18.50	191.7
#1	-.0056	.0047	.0012	.0019	6.060	-.0005	.1461	.0000	-.0035	-.0002
#2	-.0030	.0086	.0018	.0018	6.063	-.0002	.1431	.0001	-.0046	.0011

Elem	W_2397	Zn2062	Zr3391
Avg	-.0085	.0104	-.0009
Stddev	.0026	.0001	.0006
%RSD	31.23	.9642	72.72
#1	-.0066	.0104	-.0004
#2	-.0103	.0105	-.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1375.6	53878.	10628.
Stddev	2.3	185.	91.
%RSD	.16982	.34373	.85517
#1	1374.0	53747.	10564.
#2	1377.3	54009.	10692.

Zoom In Zoom Out

Sample Name: MC23190-4F Acquired: 8/7/2013 12:47:33 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0323	.0011	-.0012	.0750	.0608	.0002	22.52	.0000	.0003
Stddev	.0000	.0047	.0033	.0002	.0005	.0018	.0000	.56	.000	.0002
%RSD	.3923	14.67	307.5	19.70	.6253	2.892	5.894	2.508	39.36	51.63
#1	-.0002	.0356	-.0012	-.0010	.0754	.0620	.0002	22.92	.0000	.0002
#2	-.0002	.0289	.0034	-.0014	.0747	.0595	.0002	22.13	-.0001	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0022	10.81	6.153	4.312	1.407	.0002	64.46	.0028	.0002
Stddev	.0004	.0006	.26	.126	.064	.047	.0002	1.60	.0002	.0006
%RSD	158.2	28.72	2.396	2.043	1.488	3.321	127.4	2.481	6.443	311.4
#1	.0000	.0017	10.99	6.242	4.357	1.374	.0003	65.59	.0026	.0006
#2	.0005	.0026	10.62	6.064	4.266	1.440	.0000	63.32	.0029	-.0002

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0018	.0013	.0020	.0016	7.418	-.0001	.1133	.0003	-.0039	.0011
Stddev	.0002	.0044	.0004	.0011	.011	.0001	.0010	.0000	.0010	.0005
%RSD	13.18	342.4	18.99	67.56	.1477	245.5	.8946	5.033	24.55	44.05
#1	-.0016	-.0018	.0017	.0009	7.410	.0000	.1141	.0003	-.0046	.0008
#2	-.0019	.0044	.0022	.0024	7.425	-.0001	.1126	.0003	-.0032	.0014

Elem	W_2397	Zn2062	Zr3391
Avg	.0043	.0131	-.0013
Stddev	.0041	.0001	.0005
%RSD	94.54	1.116	36.49
#1	.0014	.0132	-.0016
#2	.0072	.0130	-.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1375.2	56547.	10518.
Stddev	2.5	1449.	114.
%RSD	.18018	2.5629	1.0854
#1	1377.0	57571.	10437.
#2	1373.5	55522.	10598.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 12:51:53 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2466	10.19	1.986	-.0036	2.016	1.873	1.945	9.823	1.987	2.069
Stddev	.0001	.00	.002	.0000	.003	.003	.003	.061	.002	.002
%RSD	.0584	.0046	.0873	1.348	.1534	.1698	.1550	.6253	.1215	.1156
#1	.2467	10.19	1.987	-.0036	2.014	1.876	1.948	9.866	1.985	2.067
#2	.2465	10.19	1.985	-.0036	2.018	1.871	1.943	9.779	1.989	2.070

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.958	1.984	9.508	9.671	9.453	2.043	1.991	10.19	1.946	1.934
Stddev	.004	.001	.016	.016	.015	.003	.004	.00	.001	.003
%RSD	.2094	.0674	.1666	.1664	.1565	.1673	.1891	.0422	.0410	.1415
#1	1.960	1.985	9.519	9.659	9.463	2.046	1.988	10.20	1.945	1.932
#2	1.955	1.983	9.497	9.682	9.442	2.041	1.994	10.19	1.946	1.936

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0030	.0010	2.000	2.004	.1609	2.023	1.958	1.998	1.999	2.009
Stddev	.0015	.0060	.001	.002	.0031	.004	.002	.002	.002	.001
%RSD	50.82	626.8	.0296	.0951	1.921	.1896	.0951	.0915	.0964	.0445
#1	-.0041	-.0033	1.999	2.002	.1631	2.020	1.959	1.999	1.998	2.010
#2	-.0019	.0052	2.000	2.005	.1588	2.026	1.957	1.997	2.001	2.009

Elem	W_2397	Zn2062	Zr3391
Avg	.0071	1.902	-.0051
Stddev	.0034	.001	.0003
%RSD	48.17	.0620	6.635
#1	.0095	1.901	-.0048
#2	.0047	1.903	-.0053

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1372.2	53955.	10511.
Stddev	2.6	313.	53.
%RSD	.18726	.57928	.50213
#1	1374.0	53734.	10473.
#2	1370.4	54176.	10548.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 12:56:07 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0094	.0015	.0027	.0026	-.0002	.0001	.0002	.0000	.0002
Stddev	.0009	.0053	.0014	.0008	.0001	.0001	.0001	.0002	.000	.0001
%RSD	414.5	56.31	98.46	27.96	3.874	46.45	56.99	73.10	2536.	50.08
#1	.0008	.0056	.0004	.0032	.0026	-.0001	.0002	.0004	.0001	.0003
#2	-.0004	.0131	.0025	.0022	.0027	-.0002	.0001	.0001	-.0001	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0004	.0017	-.0021	.0259	-.0345	.0000	.0027	.0303	.0002	.0015
Stddev	.0001	.0000	.0022	.0049	.0261	.0000	.0006	.0129	.0000	.0000
%RSD	16.81	1.661	102.0	18.84	75.55	121.2	21.38	42.76	16.05	.2809
#1	-.0005	.0017	-.0006	.0224	-.0530	.0000	.0032	.0211	.0002	.0015
#2	-.0004	.0016	-.0036	.0293	-.0161	.0000	.0023	.0394	.0002	.0015

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0023	-.0046	.0009	.0011	.0140	.0007	.0000	-.0007	-.0002	.0008
Stddev	.0013	.0004	.0002	.0013	.0009	.0004	.000	.0002	.0014	.0004
%RSD	55.68	8.147	20.70	114.7	6.598	56.44	608.8	25.51	689.3	46.76
#1	-.0014	-.0049	.0011	.0021	.0147	.0004	-.0001	-.0008	.0008	.0011
#2	-.0033	-.0043	.0008	.0002	.0134	.0010	.0001	-.0005	-.0012	.0006

Elem	W_2397	Zn2062	Zr3391
Avg	-.0004	.0001	-.0001
Stddev	.0002	.0001	.0003
%RSD	62.98	173.9	228.0
#1	-.0005	.0000	.0001
#2	-.0002	.0001	-.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1381.3	53283.	10373.
Stddev	1.3	631.	113.
%RSD	.09326	1.1841	1.0876
#1	1380.4	52837.	10453.
#2	1382.2	53729.	10294.

Zoom In Zoom Out

Sample Name: MC23224-1 Acquired: 8/7/2013 13:00:31 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0003	.8845	.0320	-.0021	.2222	.1668	.0001	212.8	.0005
Stddev	.0000	.0150	.0008	.0019	.0015	.0002	.0001	.2	.0000
%RSD	7.170	1.693	2.625	87.21	.6562	.1463	150.0	.0769	2.172
#1	.0003	.8951	.0326	-.0008	.2232	.1666	.0002	212.7	.0005
#2	.0003	.8739	.0314	-.0035	.2211	.1670	.0000	212.9	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0005	.0017	.0047	11.80	6.365	51.50	.4512	.0170	F753.1
Stddev	.0002	.0001	.0000	.02	.006	.15	.0001	.0002	.9
%RSD	37.17	8.903	.5288	.1404	.1005	.2988	.0167	1.429	.1199
#1	.0003	.0016	.0047	11.79	6.369	51.39	.4513	.0168	752.4
#2	.0006	.0018	.0047	11.81	6.360	51.61	.4512	.0171	753.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0022	.0014	-.0129	-.0099	.0018	.0021	14.05	.0003	2.899
Stddev	.0004	.0011	.0008	.0043	.0006	.0006	.03	.0000	.002
%RSD	20.08	78.10	6.396	43.16	31.96	27.20	.2294	1.486	.0797
#1	.0019	.0006	-.0135	-.0069	.0022	.0017	14.07	.0003	2.897
#2	.0025	.0022	-.0123	-.0130	.0014	.0025	14.02	.0003	2.901

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0334	-.0042	.0043	-.0063	.0103	-.0010
Stddev	.0009	.0018	.0001	.0060	.0000	.0002
%RSD	2.803	43.63	3.355	96.26	.4195	21.38
#1	.0327	-.0029	.0042	-.0105	.0103	-.0012
#2	.0340	-.0055	.0044	-.0020	.0102	-.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1342.1	52372.	10252.
Stddev	2.8	.	30.
%RSD	.21006	.00031	.28958
#1	1340.1	52372.	10273.
#2	1344.1	52372.	10231.

Zoom In Zoom Out

Sample Name: MC23224-2 Acquired: 8/7/2013 13:04:55 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	69.06	.0607	-.0022	.1065	.4696	.0036	411.0	.0036	.0558
Stddev	.0001	.60	.0026	.0016	.0004	.0050	.0001	.3	.0001	.0005
%RSD	20.00	.8717	4.295	73.32	.4096	1.065	3.307	.0741	2.571	.9736
#1	-.0004	69.48	.0625	-.0010	.1062	.4732	.0035	411.2	.0037	.0562
#2	-.0006	68.63	.0588	-.0033	.1068	.4661	.0037	410.8	.0036	.0554

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1675	.1357	123.7	14.90	44.09	2.995	.0269	262.2	.1454	.0946
Stddev	.0018	.0015	1.3	.02	.03	.003	.0001	5.3	.0002	.0010
%RSD	1.100	1.104	1.034	.1299	.0664	.0925	.2149	2.023	.1369	1.064
#1	.1688	.1367	124.6	14.89	44.12	2.997	.0270	265.9	.1453	.0954
#2	.1662	.1346	122.8	14.92	44.07	2.993	.0269	258.4	.1456	.0939

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0292	-.0031	.0018	.0004	88.09	.0039	.5947	.7765	-.0014	.1838
Stddev	.0001	.0008	.0001	.0003	.05	.0001	.0065	.0018	.0018	.0015
%RSD	.4852	26.75	3.539	72.76	.0570	1.708	1.096	.2377	128.2	.8029
#1	-.0291	-.0025	.0017	.0007	88.05	.0038	.5994	.7778	-.0001	.1828
#2	-.0293	-.0037	.0018	.0002	88.13	.0039	.5901	.7752	-.0027	.1849

Elem	W_2397	Zn2062	Zr3391
Avg	-.0102	.4308	-.0012
Stddev	.0066	.0002	.0003
%RSD	64.37	.0457	22.22
#1	-.0149	.4309	-.0014
#2	-.0056	.4306	-.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1365.6	54079.	10985.
Stddev	1.3	54.	39.
%RSD	.09229	.09913	.35165
#1	1366.5	54117.	10957.
#2	1364.7	54041.	11012.

Zoom In Zoom Out

Sample Name: MC23257-5 Acquired: 8/7/2013 13:09:23 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0452	.0031	-.0163	.4010	.1092	.0000	185.2	.0004	.0004
Stddev	.0002	.0056	.0012	.0006	.0005	.0013	.000	2.9	.0001	.0000
%RSD	110.0	12.44	37.42	3.588	.1210	1.196	30.90	1.565	18.36	5.664
#1	.0000	.0412	.0040	-.0167	.4014	.1101	.0000	187.2	.0003	.0004
#2	.0004	.0491	.0023	-.0158	.4007	.1082	.0000	183.1	.0004	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0010	.0044	15.65	23.84	52.81	.1444	.0006	261.2	.0023	-.0018
Stddev	.0001	.0002	.29	.33	.20	.0001	.0001	.5	.0006	.0014
%RSD	13.65	4.168	1.859	1.383	.3785	.0383	17.40	.2074	24.68	79.07
#1	.0011	.0046	15.85	24.07	52.96	.1444	.0007	261.5	.0019	-.0028
#2	.0009	.0043	15.44	23.61	52.67	.1445	.0006	260.8	.0026	-.0008

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0130	-.0032	.0023	.0025	9.642	-.0005	17.82	.0046	-.0036	.0040
Stddev	.0002	.0056	.0009	.0005	.016	.0000	.29	.0001	.0005	.0000
%RSD	1.739	175.4	36.78	20.72	.1643	8.980	1.652	1.297	14.21	.3174
#1	-.0131	-.0072	.0017	.0029	9.653	-.0004	18.03	.0047	-.0032	.0040
#2	-.0128	.0008	.0029	.0022	9.631	-.0005	17.61	.0046	-.0040	.0040

Elem	W_2397	Zn2062	Zr3391
Avg	-.0105	.0108	-.0013
Stddev	.0004	.0001	.0001
%RSD	4.005	1.295	5.978
#1	-.0108	.0107	-.0013
#2	-.0102	.0109	-.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1336.0	52728.	10291.
Stddev	.1	151.	9.
%RSD	.00563	.28645	.08798
#1	1336.0	52835.	10285.
#2	1336.1	52622.	10297.

Zoom In Zoom Out

Sample Name: MC23257-5F Acquired: 8/7/2013 13:13:56 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0001	.0210	.0024	-.0160	.4025	.1105	.0000	187.3	.0000
Stddev	.0005	.0053	.0008	.0012	.0012	.0002	.0002	2.1	.0001
%RSD	591.3	25.10	32.64	7.791	.3081	.1703	3532.	1.102	578.7
#1	.0003	.0247	.0030	-.0169	.4034	.1106	-.0001	188.8	.0001
#2	-.0005	.0173	.0019	-.0151	.4017	.1103	.0002	185.9	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0005	.0006	.0020	15.95	24.07	52.95	.1426	.0003	265.0
Stddev	.0001	.0002	.0003	.16	.27	.19	.0004	.0000	1.2
%RSD	12.19	37.37	14.57	1.009	1.119	.3631	.2483	17.10	.4499
#1	.0004	.0004	.0018	16.07	24.26	53.09	.1424	.0003	265.8
#2	.0005	.0007	.0022	15.84	23.88	52.81	.1429	.0002	264.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0020	-.0031	-.0106	-.0070	.0021	.0022	9.558	-.0001	F18.14
Stddev	.0000	.0007	.0018	.0082	.0002	.0008	.013	.0013	.39
%RSD	2.239	22.07	16.97	117.4	9.680	34.56	.1326	892.4	2.127
#1	.0020	-.0026	-.0119	-.0012	.0022	.0027	9.567	.0008	18.41
#2	.0020	-.0036	-.0093	-.0128	.0019	.0016	9.549	-.0010	17.86

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0027	-.0024	.0030	-.0050	.0058	-.0016
Stddev	.0001	.0015	.0000	.0010	.0000	.0005
%RSD	3.573	64.17	1.358	20.51	.7105	29.82
#1	.0028	-.0035	.0030	-.0057	.0057	-.0020
#2	.0026	-.0013	.0031	-.0043	.0058	-.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1338.2	52817.	10193.
Stddev	3.8	50.	167.
%RSD	.28177	.09404	1.6344
#1	1335.5	52782.	10075.
#2	1340.8	52853.	10311.

Zoom In Zoom Out

Sample Name: MC23257-8 Acquired: 8/7/2013 13:18:28 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0002	.0078	.0137	-.0055	.7223	.4566	.0000	100.4
Stddev	.0002	.0075	.0009	.0007	.0009	.0001	.0000	.0
%RSD	80.09	95.21	6.651	13.27	.1292	.0248	18.19	.0163
#1	-.0001	.0026	.0131	-.0050	.7229	.4565	.0000	100.4
#2	-.0003	.0131	.0144	-.0061	.7216	.4566	.0000	100.4

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0003	.0002	.0002	.0018	1.985	4.042	20.19	2.553
Stddev	.0000	.0001	.0002	.0000	.004	.052	.05	.002
%RSD	7.953	77.86	144.0	2.418	.2058	1.281	.2234	.0789
#1	.0004	.0003	.0000	.0017	1.988	4.079	20.22	2.554
#2	.0003	.0001	.0003	.0018	1.982	4.006	20.15	2.552

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0043	317.2	.0003	-.0021	-.0065	.0080	.0020	.0012
Stddev	.0001	.9	.0003	.0015	.0008	.0001	.0001	.0010
%RSD	1.728	.2746	103.6	71.23	12.32	1.088	5.942	81.66
#1	.0044	316.6	.0005	-.0011	-.0070	.0081	.0019	.0019
#2	.0043	317.8	.0001	-.0032	-.0059	.0080	.0020	.0005

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	10.68	-.0005	2.291	.0007	F-.0054	.0015	-.0083	.0061
Stddev	.01	.0001	.002	.0004	.0007	.0002	.0010	.0000
%RSD	.0665	16.45	.0797	50.44	13.84	13.98	12.28	.3803
#1	10.68	-.0004	2.293	.0010	-.0049	.0013	-.0090	.0061
#2	10.67	-.0006	2.290	.0005	-.0059	.0016	-.0076	.0061

Elem	Zr3391
Avg	-.0022
Stddev	.0001
%RSD	4.190
#1	-.0023
#2	-.0021

Zoom In Zoom Out

Sample Name: MC23257-8 Acquired: 8/7/2013 13:18:28 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1357.1	52986.	10552.
Stddev	.8	241.	1.
%RSD	.06226	.45549	.01304
#1	1357.7	52816.	10553.
#2	1356.5	53157.	10551.

Zoom In Zoom Out

Sample Name: MC23257-8F Acquired: 8/7/2013 13:22:55 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	.0120	.0139	-.0053	.7379	.4512	.0000	100.5	.0003	.0006
Stddev	.0002	.0021	.0001	.0015	.0012	.0028	.0000	.4	.0003	.0000
%RSD	51.14	17.67	.7950	28.06	.1656	.6285	49.66	.4451	100.3	.0590
#1	-.0005	.0135	.0139	-.0063	.7388	.4492	.0000	100.2	.0001	.0006
#2	-.0002	.0105	.0140	-.0042	.7371	.4532	.0000	100.8	.0004	.0006

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0019	1.860	4.053	20.98	2.478	.0041	308.6	.0005	-.0016
Stddev	.0001	.0002	.004	.000	.01	.002	.0002	.6	.0000	.0000
%RSD	40.25	8.892	.1866	.0011	.0367	.0749	4.895	.1955	6.306	.5650
#1	-.0003	.0018	1.857	4.053	20.99	2.477	.0039	309.1	.0005	-.0016
#2	-.0002	.0021	1.862	4.053	20.97	2.480	.0042	308.2	.0005	-.0016

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0073	.0061	.0022	.0009	10.83	-.0005	2.394	.0015	-.0037	.0011
Stddev	.0003	.0038	.0009	.0007	.01	.0005	.011	.0006	.0003	.0003
%RSD	3.736	61.24	40.94	75.82	.0459	110.1	.4622	40.76	7.651	31.01
#1	-.0071	.0088	.0028	.0004	10.83	-.0008	2.386	.0019	-.0035	.0008
#2	-.0075	.0035	.0015	.0014	10.83	-.0001	2.402	.0011	-.0039	.0013

Elem	W_2397	Zn2062	Zr3391
Avg	-.0072	.0053	-.0022
Stddev	.0021	.0001	.0005
%RSD	29.67	2.762	21.35
#1	-.0087	.0052	-.0025
#2	-.0057	.0054	-.0019

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1360.6	53241.	10569.
Stddev	3.4	47.	36.
%RSD	.25091	.08802	.34257
#1	1363.0	53208.	10595.
#2	1358.2	53274.	10543.

Zoom In Zoom Out

Sample Name: MC23257-9 Acquired: 8/7/2013 13:27:22 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	.0145	.0019	.0005	.2605	.1982	.0000	48.26	.0001	-.0005
Stddev	.000	.0153	.0006	.0006	.0003	.0023	.0000	.74	.0001	.0001
%RSD	701.7	105.6	29.69	116.7	.1215	1.175	53.70	1.538	144.1	11.06
#1	-.0003	.0253	.0015	.0009	.2607	.1999	.0000	48.79	.0002	-.0006
#2	.0002	.0037	.0024	.0001	.2603	.1966	.0001	47.74	.0000	-.0005

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0029	.0475	2.055	13.96	.0303	.0005	282.0	.0001	-.0017
Stddev	.0001	.0000	.0005	.017	.08	.0005	.0002	5.5	.0001	.0013
%RSD	39.94	1.177	1.130	.8081	.6082	1.704	32.30	1.942	45.44	78.78
#1	.0002	.0029	.0479	2.067	14.02	.0307	.0004	285.9	.0002	-.0007
#2	.0003	.0028	.0471	2.043	13.90	.0299	.0006	278.1	.0001	-.0026

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0061	-.0039	.0020	.0019	7.780	-.0010	.3792	.0002	-.0045	.0029
Stddev	.0003	.0055	.0001	.0014	.001	.0001	.0046	.0002	.0004	.0003
%RSD	4.440	142.4	4.341	74.21	.0146	13.72	1.221	69.53	8.407	9.896
#1	-.0063	-.0078	.0021	.0009	7.779	-.0009	.3825	.0001	-.0047	.0027
#2	-.0059	.0000	.0020	.0029	7.781	-.0011	.3759	.0004	-.0042	.0031

Elem	W_2397	Zn2062	Zr3391
Avg	-.0073	.0075	-.0013
Stddev	.0010	.0000	.0001
%RSD	13.14	.2997	5.065
#1	-.0067	.0075	-.0013
#2	-.0080	.0075	-.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1362.9	52889.	10329.
Stddev	3.4	350.	170.
%RSD	.24994	.66262	1.6464
#1	1365.3	52641.	10209.
#2	1360.5	53137.	10449.

Zoom In Zoom Out

Sample Name: MC23257-9F Acquired: 8/7/2013 13:31:49 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	.0058	.0008	.0017	.2570	.1946	.0000	47.20	.0002	.0002
Stddev	.0002	.0078	.0006	.0014	.0013	.0013	.000	.04	.0001	.0001
%RSD	28.77	135.1	81.78	82.95	.4986	.6895	279.1	.0850	82.92	47.51
#1	-.0005	.0113	.0012	.0007	.2579	.1936	.0000	47.17	.0001	.0003
#2	-.0008	.0003	.0003	.0028	.2561	.1955	.0000	47.23	.0003	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0001	.0030	.0102	2.047	13.74	.0175	.0005	277.0	.0001	-.0018
Stddev	.0001	.0002	.0033	.045	.15	.0002	.0002	3.7	.0002	.0010
%RSD	81.71	5.645	32.22	2.206	1.098	1.032	34.47	1.334	197.2	57.54
#1	.0002	.0029	.0079	2.015	13.63	.0174	.0004	274.4	.0002	-.0025
#2	.0001	.0031	.0125	2.078	13.84	.0176	.0007	279.6	.0000	-.0011

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0050	.0002	.0008	.0015	7.815	-.0003	.3744	-.0001	-.0041	.0023
Stddev	.0009	.0031	.0002	.0004	.007	.0004	.0006	.0002	.0022	.0007
%RSD	18.63	2066.	29.76	23.96	.0928	146.1	.1595	270.1	53.36	28.93
#1	-.0057	-.0021	.0010	.0017	7.820	.0000	.3740	.0001	-.0056	.0027
#2	-.0044	.0024	.0007	.0012	7.810	-.0006	.3748	-.0002	-.0025	.0018

Elem	W_2397	Zn2062	Zr3391
Avg	-.0064	.0073	-.0013
Stddev	.0066	.0001	.0004
%RSD	103.0	1.336	28.78
#1	-.0017	.0074	-.0016
#2	-.0111	.0072	-.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1364.0	53244.	10481.
Stddev	2.8	170.	52.
%RSD	.20311	.31992	.49788
#1	1362.1	53124.	10518.
#2	1366.0	53365.	10444.

Zoom In Zoom Out

Sample Name: MP21454-S1 Acquired: 8/7/2013 13:36:14 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1782	227.2	.7572	-.0219	.9325	4.096	.4554	180.7	.4841	.7522
Stddev	.0011	.4	.0036	.0024	.0008	.017	.0020	.1	.0003	.0013
%RSD	.6115	.1974	.4748	11.16	.0901	.4213	.4346	.0583	.0693	.1712
#1	.1775	227.5	.7598	-.0202	.9319	4.108	.4568	180.6	.4839	.7531
#2	.1790	226.9	.7547	-.0236	.9331	4.083	.4540	180.8	.4844	.7513

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.7774	.9835	546.0	36.74	124.3	16.00	.0416	49.37	.9363	1.445
Stddev	.0016	.0001	9.3	.11	.8	.19	.0004	.09	.0010	.002
%RSD	.2057	.0097	1.696	.3104	.6536	1.158	1.016	.1834	.1034	.1078
#1	.7762	.9835	539.4	36.82	123.7	16.13	.0413	49.43	.9356	1.444
#2	.7785	.9836	552.5	36.66	124.9	15.87	.0419	49.30	.9370	1.446

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0295	.0389	.0497	.3723	97.94	.0148	.9009	.9254	.4569	.9160
Stddev	.0041	.0108	.0014	.0022	.24	.0003	.0057	.0057	.0053	.0018
%RSD	13.87	27.66	2.858	.5800	.2423	1.768	.6345	.6148	1.170	.2010
#1	-.0324	.0465	.0487	.3708	97.78	.0149	.9050	.9214	.4531	.9147
#2	-.0266	.0313	.0507	.3738	98.11	.0146	.8969	.9295	.4607	.9173

Elem	W_2397	Zn2062	Zr3391
Avg	-.0043	2.159	.0247
Stddev	.0037	.002	.0006
%RSD	85.77	.1091	2.568
#1	-.0069	2.160	.0252
#2	-.0017	2.157	.0243

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1523.4	61502.	11940.
Stddev	.4	112.	121.
%RSD	.02728	.18257	1.0115
#1	1523.1	61581.	12025.
#2	1523.7	61423.	11855.

Zoom In Zoom Out

Sample Name: MP21454-S2 Acquired: 8/7/2013 13:40:38 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1773	238.6	.7665	-.0207	.9270	4.109	.4515	181.0	.4816	.7603
Stddev	.0010	.5	.0012	.0013	.0028	.010	.0019	.4	.0005	.0025
%RSD	.5533	.2171	.1552	6.126	.3026	.2349	.4300	.2127	.1099	.3225
#1	.1766	239.0	.7657	-.0198	.9250	4.116	.4529	181.3	.4812	.7586
#2	.1780	238.2	.7674	-.0216	.9290	4.102	.4501	180.7	.4820	.7620

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.7933	1.003	566.7	37.41	126.6	16.27	.0428	48.94	.9603	1.460
Stddev	.0061	.005	2.7	.04	.1	.04	.0006	.06	.0018	.004
%RSD	.7678	.4547	.4846	.1030	.0872	.2341	1.366	.1271	.1874	.2604
#1	.7890	.9999	564.8	37.43	126.6	16.24	.0432	48.99	.9590	1.458
#2	.7976	1.006	568.7	37.38	126.5	16.30	.0424	48.90	.9615	1.463

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0319	.0357	.0449	.3743	106.8	.0156	.9025	.9452	.4500	.9039
Stddev	.0010	.0145	.0018	.0027	.3	.0003	.0030	.0071	.0035	.0009
%RSD	3.258	40.65	4.006	.7327	.2916	2.197	.3350	.7549	.7864	.1017
#1	-.0326	.0459	.0462	.3762	106.6	.0154	.9046	.9402	.4475	.9033
#2	-.0312	.0254	.0436	.3724	107.0	.0159	.9004	.9502	.4525	.9046

Elem	W_2397	Zn2062	Zr3391
Avg	-.0141	2.244	.0250
Stddev	.0013	.007	.0007
%RSD	9.405	.3218	2.918
#1	-.0150	2.239	.0245
#2	-.0132	2.249	.0255

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1539.2	61854.	11990.
Stddev	2.5	227.	87.
%RSD	.16019	.36766	.72277
#1	1540.9	62015.	11929.
#2	1537.4	61693.	12051.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 13:45:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2487	10.16	2.010	-.0027	2.047	1.882	1.930	9.850	2.022	2.092
Stddev	.0001	.17	.003	.0000	.001	.030	.035	.150	.002	.002
%RSD	.0450	1.662	.1536	1.639	.0336	1.605	1.812	1.522	.1049	.0763
#1	.2486	10.28	2.013	-.0027	2.047	1.903	1.954	9.956	2.024	2.093
#2	.2488	10.04	2.008	-.0027	2.046	1.861	1.905	9.744	2.021	2.091

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.961	2.003	9.560	9.732	9.324	2.016	2.010	10.21	1.949	1.950
Stddev	.004	.003	.138	.106	.006	.002	.001	.19	.000	.001
%RSD	.1859	.1569	1.447	1.089	.0637	.1006	.0517	1.865	.0057	.0301
#1	1.959	2.005	9.658	9.807	9.328	2.015	2.010	10.35	1.949	1.950
#2	1.964	2.000	9.462	9.657	9.319	2.018	2.011	10.08	1.948	1.949

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0011	-.0004	2.019	2.016	.3350	2.022	1.987	1.991	2.022	2.012
Stddev	.0001	.0043	.000	.002	.0285	.001	.027	.003	.002	.001
%RSD	12.49	1222.	.0111	.0832	8.512	.0449	1.368	.1574	.1175	.0585
#1	-.0012	-.0034	2.019	2.018	.3552	2.022	2.006	1.989	2.020	2.011
#2	-.0010	.0027	2.019	2.015	.3148	2.021	1.968	1.993	2.024	2.013

Elem	W_2397	Zn2062	Zr3391
Avg	.0004	1.926	-.0049
Stddev	.0035	.002	.0001
%RSD	795.3	.1047	2.569
#1	-.0020	1.927	-.0048
#2	.0029	1.925	-.0050

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1359.2	53940.	10457.
Stddev	1.1	309.	212.
%RSD	.07908	.57319	2.0319
#1	1358.4	54159.	10307.
#2	1360.0	53721.	10607.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 13:49:13 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	.0095	.0019	.0025	.0033	.0001	.0001	.0010	.0001	.0001
Stddev	.0001	.0002	.0012	.0004	.0005	.0002	.0000	.0002	.0001	.0000
%RSD	984.3	2.216	61.24	14.98	14.08	273.3	17.47	24.09	77.18	19.32
#1	.0001	.0094	.0028	.0028	.0037	.0002	.0001	.0008	.0002	.0001
#2	-.0001	.0097	.0011	.0023	.0030	-.0001	.0002	.0012	.0001	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0012	.0038	.0466	-.0236	.0002	.0025	.0783	.0003	.0014
Stddev	.0002	.0001	.0005	.0219	.0217	.0001	.0007	.0094	.0001	.0004
%RSD	97.97	6.295	12.58	47.04	92.01	50.38	28.74	12.04	39.64	32.43
#1	-.0004	.0013	.0042	.0621	-.0389	.0001	.0031	.0716	.0004	.0017
#2	-.0001	.0012	.0035	.0311	-.0082	.0002	.0020	.0849	.0002	.0010

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0015	-.0009	.0012	.0011	.0628	.0001	-.0001	-.0004	-.0008	.0009
Stddev	.0000	.0021	.0002	.0003	.0069	.0003	.0001	.0000	.0005	.0002
%RSD	1.517	236.6	18.14	26.45	10.95	419.8	202.0	3.391	61.21	25.17
#1	-.0015	.0006	.0014	.0013	.0677	-.0001	.0000	-.0004	-.0004	.0008
#2	-.0015	-.0023	.0011	.0009	.0580	.0003	-.0001	-.0004	-.0011	.0011

Elem	W_2397	Zn2062	Zr3391
Avg	.0023	.0001	.0002
Stddev	.0009	.0001	.0000
%RSD	40.32	66.01	25.63
#1	.0017	.0001	.0002
#2	.0030	.0000	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1386.2	53872.	10545.
Stddev	.0	372.	264.
%RSD	.00113	.68960	2.5055
#1	1386.2	53610.	10732.
#2	1386.2	54135.	10358.

Zoom In Zoom Out

Sample Name: MC23211-2 Acquired: 8/7/2013 13:53:36 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0012	225.9	.2997	-.0210	.0879	2.408	.0161	162.0	.0126	.2888
Stddev	.0003	.4	.0022	.0040	.0014	.003	.0002	.3	.0003	.0006
%RSD	20.98	.1640	.7205	19.18	1.579	.1098	1.232	.1727	2.747	.2096
#1	-.0010	225.6	.3012	-.0238	.0889	2.406	.0160	161.8	.0124	.2893
#2	-.0014	226.1	.2982	-.0181	.0869	2.410	.0163	162.2	.0129	.2884

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.3241	.5395	550.8	16.13	105.0	15.83	.0406	27.04	.4981	.5652
Stddev	.0035	.0051	1.8	.12	.7	.00	.0005	.02	.0000	.0010
%RSD	1.066	.9531	.3305	.7650	.6426	.0174	1.151	.0875	.0059	.1718
#1	.3216	.5359	549.5	16.05	104.5	15.83	.0409	27.02	.4980	.5645
#2	.3265	.5432	552.1	16.22	105.4	15.83	.0403	27.05	.4981	.5659

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0294	.0494	-.0002	-.0063	104.3	.0145	.4693	.7978	.0028	.4672
Stddev	.0007	.0034	.0001	.0016	.2	.0017	.0008	.0053	.0009	.0037
%RSD	2.494	6.796	25.82	24.78	.1923	12.00	.1810	.6691	32.10	.7893
#1	-.0289	.0470	-.0003	-.0075	104.1	.0158	.4687	.8016	.0034	.4646
#2	-.0299	.0517	-.0002	-.0052	104.4	.0133	.4699	.7940	.0021	.4698

Elem	W_2397	Zn2062	Zr3391
Avg	-.0047	1.717	.0221
Stddev	.0025	.000	.0006
%RSD	52.12	.0137	2.641
#1	-.0065	1.717	.0217
#2	-.0030	1.717	.0226

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1533.1	61350.	12012.
Stddev	6.0	68.	54.
%RSD	.39130	.11141	.44616
#1	1528.9	61302.	11974.
#2	1537.4	61399.	12050.

Zoom In Zoom Out

Sample Name: MP21454-SD1 Acquired: 8/7/2013 13:58:02 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0017	250.7	.3382	-.0094	.1102	2.674	.0188	184.4	.0116	.3199
Stddev	.0017	1.6	.0186	.0092	.0030	.012	.0003	1.4	.0000	.0038
%RSD	99.75	.6481	5.505	98.05	2.728	.4649	1.715	.7805	.0917	1.199
#1	.0005	251.8	.3514	-.0160	.1123	2.683	.0185	185.4	.0116	.3226
#2	.0030	249.6	.3251	-.0029	.1081	2.666	.0190	183.4	.0116	.3172

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.3759	.6151	638.6	18.10	116.8	18.64	.0485	30.90	.5649	.6443
Stddev	.0073	.0020	5.3	.34	.8	.02	.0026	.05	.0000	.0003
%RSD	1.931	.3242	.8338	1.889	.7222	.0930	5.296	.1566	.0077	.0518
#1	.3707	.6165	642.4	17.85	116.2	18.63	.0504	30.87	.5649	.6441
#2	.3810	.6137	634.8	18.34	117.4	18.66	.0467	30.94	.5648	.6446

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0405	-.0039	.0083	-.0005	116.6	.0176	.5275	.9223	-.0078	.5483
Stddev	.0033	.0136	.0039	.0006	.3	.0069	.0009	.0022	.0175	.0015
%RSD	8.125	351.7	46.97	123.1	.2465	39.44	.1752	.2417	225.4	.2648
#1	-.0381	-.0135	.0110	-.0001	116.8	.0127	.5281	.9239	.0046	.5472
#2	-.0428	.0058	.0055	-.0010	116.4	.0225	.5268	.9207	-.0202	.5493

Elem	W_2397	Zn2062	Zr3391
Avg	-.0308	1.988	.0255
Stddev	.0051	.002	.0004
%RSD	16.60	.0750	1.577
#1	-.0272	1.989	.0258
#2	-.0344	1.987	.0252

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1415.9	55717.	10914.
Stddev	2.4	54.	15.
%RSD	.17052	.09675	.13857
#1	1417.6	55756.	10904.
#2	1414.2	55679.	10925.

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/7/2013 14:08:00 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	.0183	.0043	.0013	.0006	-.0001	.0000	.0180	-.0002	.0002
Stddev	.0002	.0005	.0019	.0013	.0001	.0000	.0000	.0032	.0000	.0002
%RSD	55.67	2.979	45.53	99.21	9.965	42.77	65.68	17.69	19.80	152.6
#1	.0002	.0187	.0056	.0004	.0006	-.0001	.0000	.0157	-.0002	.0000
#2	.0005	.0179	.0029	.0022	.0006	.0000	.0000	.0202	-.0003	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0052	.0019	.0190	.0045	.0036	.0013	.0004	.0867	.0004	.0055
Stddev	.0002	.0011	.0075	.0152	.0027	.0000	.0000	.0175	.0002	.0003
%RSD	3.885	55.67	39.79	339.3	76.62	.9024	1.146	20.22	53.17	5.771
#1	.0054	.0027	.0136	-.0063	.0016	.0013	.0004	.0743	.0002	.0057
#2	.0051	.0012	.0243	.0152	.0055	.0013	.0004	.0991	.0005	.0053

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0013	-.0023	.0004	-.0012	.0561	.0007	-.0001	-.0004	.0021	.0009
Stddev	.0002	.0013	.0004	.0010	.0037	.0002	.0001	.0002	.0020	.0002
%RSD	12.26	55.81	94.70	81.91	6.680	24.92	200.0	61.02	96.58	20.62
#1	-.0014	-.0014	.0007	-.0020	.0588	.0006	-.0001	-.0005	.0007	.0010
#2	-.0012	-.0032	.0001	-.0005	.0535	.0008	.0000	-.0002	.0035	.0007

Elem	W_2397	Zn2062	Zr3391
Avg	-.0037	.0004	.0000
Stddev	.0023	.0001	.0003
%RSD	62.68	28.12	918.6
#1	-.0021	.0003	-.0002
#2	-.0053	.0005	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1388.5	53726.	10507.
Stddev	1.7	951.	345.
%RSD	.12165	1.7691	3.2791
#1	1387.3	53054.	10751.
#2	1389.7	54399.	10263.

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/7/2013 14:15:53 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	.0196	.0042	.0021	-.0001	.0000	.0000	.0140	-.0002	.0002
Stddev	.0001	.0022	.0007	.0006	.0002	.0001	.0000	.0051	.0001	.0001
%RSD	19.66	11.29	17.35	28.82	185.7	2407.	75.19	36.11	42.97	34.90
#1	-.0003	.0212	.0047	.0026	.0000	.0001	.0001	.0104	-.0002	.0001
#2	-.0004	.0180	.0037	.0017	-.0002	-.0001	.0000	.0176	-.0003	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0047	.0005	.0078	.0222	-.0334	.0006	.0002	.0763	.0000	.0034
Stddev	.0000	.0004	.0005	.0163	.0320	.0000	.0002	.0047	.0002	.0007
%RSD	.1828	83.66	6.630	73.64	95.81	6.859	80.65	6.129	812.5	19.54
#1	.0047	.0008	.0082	.0106	-.0108	.0006	.0001	.0730	.0002	.0029
#2	.0047	.0002	.0074	.0338	-.0561	.0007	.0004	.0796	-.0001	.0038

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0026	-.0034	.0009	.0003	.0422	.0009	-.0002	-.0004	.0007	.0005
Stddev	.0012	.0031	.0009	.0005	.0011	.0003	.0000	.0002	.0012	.0003
%RSD	46.58	91.16	99.73	143.8	2.511	28.08	14.32	36.10	180.6	53.96
#1	-.0035	-.0012	.0003	.0007	.0430	.0011	-.0002	-.0005	.0016	.0007
#2	-.0018	-.0056	.0015	.0000	.0415	.0007	-.0001	-.0003	-.0002	.0003

Elem	W_2397	Zn2062	Zr3391
Avg	.0011	.0002	.0001
Stddev	.0027	.0000	.0001
%RSD	242.6	13.86	60.40
#1	-.0008	.0002	.0001
#2	.0030	.0002	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1397.5	54800.	10369.
Stddev	.2	137.	46.
%RSD	.01617	.24954	.43918
#1	1397.7	54896.	10401.
#2	1397.3	54703.	10337.

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/7/2013 14:21:03 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0051	.2124	F.0063	.0009	.1029	.0483	.0042	4.867	.0041
Stddev	.0005	.0176	.0014	.0016	.0003	.0001	.0001	.009	.0000
%RSD	10.38	8.300	22.11	171.5	.3387	.2043	1.540	.1919	.9135
#1	.0054	.1999	.0054	.0021	.1032	.0482	.0041	4.860	.0041
#2	.0047	.2248	.0073	-.0002	.1027	.0484	.0042	4.873	.0042

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0528	.0095	.0260	.0958	4.851	4.598	.0158	.1025	5.121
Stddev	.0003	.0001	.0003	.0000	.002	.023	.0001	.0006	.020
%RSD	.5300	1.020	1.166	.0016	.0495	.5039	.8646	.6129	.3914
#1	.0526	.0095	.0262	.0958	4.852	4.581	.0158	.1020	5.106
#2	.0530	.0096	.0258	.0958	4.849	4.614	.0159	.1029	5.135

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0401	.0062	-.0019	-.0087	.0073	.0109	.0285	.0999	.0098
Stddev	.0001	.0004	.0005	.0007	.0006	.0005	.0006	.0002	.0001
%RSD	.2199	6.036	24.31	7.659	8.693	4.524	2.083	.1560	.6435
#1	.0401	.0059	-.0016	-.0092	.0078	.0113	.0289	.1000	.0097
#2	.0400	.0064	-.0022	-.0082	.0069	.0106	.0281	.0998	.0098

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0508	F.0033	.0110	-.0060	.0201	.0000
Stddev	.0004	.0014	.0005	.0053	.0000	.0000
%RSD	.8140	40.64	4.721	87.70	.1639	1316.
#1	.0505	.0024	.0106	-.0023	.0201	.0000
#2	.0511	.0043	.0113	-.0097	.0201	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1376.8	53781.	10452.
Stddev	.1	115.	105.
%RSD	.00515	.21460	1.0036
#1	1376.8	53699.	10526.
#2	1376.9	53863.	10378.

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/7/2013 14:29:08 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0051	.2094	.0038	.0012	.1027	.0481	.0041	4.887	.0041
Stddev	.0005	.0002	.0005	.0017	.0001	.0002	.0000	.002	.0002
%RSD	9.953	.0949	12.37	140.1	.0640	.4283	1.055	.0326	4.391
#1	.0047	.2093	.0035	.0024	.1027	.0482	.0041	4.886	.0040
#2	.0054	.2095	.0041	.0000	.1028	.0480	.0041	4.888	.0042

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0525	.0091	.0254	.0992	4.833	4.639	.0157	.1013	5.160
Stddev	.0002	.0004	.0001	.0030	.010	.039	.0002	.0001	.024
%RSD	.3313	4.749	.5486	3.063	.1996	.8396	.9968	.0883	.4560
#1	.0526	.0088	.0253	.0971	4.826	4.612	.0158	.1014	5.177
#2	.0523	.0094	.0255	.1014	4.840	4.667	.0156	.1013	5.144

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0398	.0059	-.0019	-.0028	.0065	.0102	.0245	.0980	.0096
Stddev	.0003	.0003	.0003	.0040	.0002	.0005	.0005	.0000	.0000
%RSD	.6341	4.500	14.74	139.4	2.926	4.647	2.063	.0085	.1715
#1	.0396	.0057	-.0017	-.0057	.0064	.0105	.0248	.0981	.0096
#2	.0400	.0061	-.0021	.0000	.0067	.0098	.0241	.0980	.0096

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0509	F.0024	.0110	-.0021	.0206	-.0001
Stddev	.0006	.0000	.0005	.0016	.0001	.0001
%RSD	1.170	1.345	4.210	78.57	.3649	93.00
#1	.0505	.0025	.0107	-.0032	.0206	-.0002
#2	.0513	.0024	.0114	-.0009	.0205	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1381.7	54203.	10343.
Stddev	.9	25.	44.
%RSD	.06209	.04652	.42607
#1	1382.3	54185.	10375.
#2	1381.1	54220.	10312.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 8/7/2013 14:37:25 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	509.6	-.0005	.0061	.0035	-.0010	.0001	441.3	.0007	.0021
Stddev	.0001	2.3	.0005	.0016	.0003	.0001	.0000	3.2	.0001	.0001
%RSD	75.15	.4462	103.1	26.52	7.230	14.25	32.17	.7199	11.97	4.863
#1	.0002	508.0	-.0001	.0072	.0036	-.0009	.0001	439.0	.0007	.0022
#2	.0001	511.2	-.0008	.0049	.0033	-.0011	.0001	443.5	.0006	.0020

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0004	175.0	.0073	465.5	.0001	-.0009	.1276	-.0012	-.0016
Stddev	.0010	.0005	.0	.0305	.5	.0002	.0000	.0242	.0002	.0004
%RSD	643.9	139.8	.0088	420.0	.1036	327.7	3.809	18.92	14.03	28.07
#1	.0009	.0000	175.0	-.0143	465.1	.0002	-.0009	.1106	-.0013	-.0013
#2	-.0005	.0008	175.0	.0289	465.8	-.0001	-.0009	.1447	-.0011	-.0019

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0394	-.0253	.0009	-.0032	.0723	-.0004	.0007	.0081	-.0003	.0010
Stddev	.0000	.0026	.0004	.0008	.0004	.0003	.0001	.0002	.0005	.0012
%RSD	.0688	10.33	48.68	26.09	.5057	61.43	7.604	1.993	154.9	122.3
#1	-.0394	-.0271	.0012	-.0026	.0726	-.0002	.0007	.0080	.0000	.0019
#2	-.0394	-.0234	.0006	-.0038	.0721	-.0006	.0008	.0082	-.0006	.0001

Elem	W_2397	Zn2062	Zr3391
Avg	-.0332	-.0004	.0009
Stddev	.0003	.0003	.0003
%RSD	.9718	87.75	33.73
#1	-.0330	-.0001	.0011
#2	-.0334	-.0006	.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1239.8	49903.	10433.
Stddev	.5	220.	26.
%RSD	.04192	.44005	.24511
#1	1239.4	49748.	10451.
#2	1240.1	50058.	10415.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 8/7/2013 14:41:53 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.071	523.5	2.142	.4906	1.106	.4839	.4626	448.7	1.100	.5245
Stddev	.018	15.4	.003	.0080	.001	.0146	.0139	17.7	.001	.0005
%RSD	1.651	2.950	.1606	1.627	.0978	3.021	2.999	3.954	.1032	.0885
#1	1.083	512.6	2.140	.4963	1.106	.4736	.4528	436.2	1.099	.5248
#2	1.058	534.4	2.144	.4850	1.107	.4942	.4724	461.3	1.101	.5241

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4841	.5312	178.5	.0514	474.4	.4950	1.032	.1249	.9532	.9974
Stddev	.0102	.0095	6.0	.0045	16.3	.0083	.001	.0055	.0002	.0014
%RSD	2.104	1.781	3.338	8.770	3.425	1.667	.1084	4.377	.0211	.1366
#1	.4913	.5379	174.3	.0482	462.9	.5008	1.031	.1210	.9530	.9983
#2	.4769	.5245	182.7	.0546	485.9	.4891	1.033	.1287	.9533	.9964

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.5104	.4726	2.185	2.117	2.254	1.063	.9667	.5089	2.147	.5177
Stddev	.0060	.0149	.004	.005	.002	.001	.0290	.0071	.003	.0096
%RSD	1.178	3.160	.1743	.2196	.1072	.1096	3.001	1.395	.1502	1.852
#1	.5146	.4832	2.183	2.114	2.252	1.062	.9462	.5139	2.145	.5245
#2	.5061	.4620	2.188	2.121	2.255	1.064	.9873	.5039	2.149	.5109

Elem	W_2397	Zn2062	Zr3391
Avg	1.823	.9323	.4405
Stddev	.009	.0009	.0048
%RSD	.5172	.0931	1.097
#1	1.830	.9317	.4439
#2	1.817	.9329	.4370

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1241.3	49958.	10143.
Stddev	1.5	845.	376.
%RSD	.11833	1.6915	3.7096
#1	1242.3	49360.	10409.
#2	1240.2	50555.	9877.2

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 14:46:14 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2485	10.11	2.007	-.0011	2.046	1.875	1.917	9.827	2.029	2.090
Stddev	.0002	.03	.011	.0007	.008	.003	.005	.029	.004	.005
%RSD	.0612	.3261	.5549	59.63	.3700	.1680	.2483	.2901	.1993	.2511
#1	.2486	10.13	1.999	-.0006	2.040	1.878	1.921	9.847	2.026	2.087
#2	.2484	10.09	2.015	-.0016	2.051	1.873	1.914	9.807	2.032	2.094

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.961	1.998	9.530	9.694	9.427	2.003	2.010	10.07	1.950	1.949
Stddev	.004	.004	.011	.018	.066	.003	.007	.01	.002	.004
%RSD	.2289	.2106	.1128	.1887	.6948	.1480	.3681	.0563	.1053	.1794
#1	1.964	1.995	9.538	9.681	9.381	2.006	2.004	10.07	1.948	1.947
#2	1.958	2.001	9.522	9.707	9.474	2.001	2.015	10.07	1.951	1.952

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0008	.0056	2.025	2.009	.1802	2.016	1.987	1.990	2.025	2.003
Stddev	.0012	.0048	.002	.003	.0009	.006	.005	.001	.004	.003
%RSD	148.4	85.02	.1184	.1561	.5148	.2986	.2639	.0522	.1862	.1466
#1	.0000	.0022	2.023	2.007	.1808	2.012	1.991	1.991	2.023	2.005
#2	-.0017	.0090	2.027	2.011	.1795	2.020	1.983	1.990	2.028	2.001

Elem	W_2397	Zn2062	Zr3391
Avg	.0111	1.929	.0072
Stddev	.0040	.004	.0020
%RSD	36.01	.2206	28.28
#1	.0139	1.926	.0086
#2	.0082	1.932	.0057

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1355.7	53838.	10539.
Stddev	1.8	65.	44.
%RSD	.13496	.12010	.41636
#1	1357.0	53792.	10508.
#2	1354.4	53884.	10570.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 14:50:26 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	.0215	.0009	.0017	.0027	.0000	.0001	.0113	.0003	.0003
Stddev	.0001	.0033	.0015	.0003	.0007	.0000	.0001	.0003	.0001	.0002
%RSD	90.05	15.43	168.8	18.41	24.98	96.95	46.63	2.949	39.25	43.26
#1	.0000	.0238	-.0002	.0020	.0032	.0000	.0002	.0115	.0004	.0002
#2	-.0002	.0191	.0019	.0015	.0022	.0000	.0001	.0110	.0002	.0005

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	.0011	.0021	.0110	-.0570	.0001	.0030	.0267	.0004	.0012
Stddev	.0001	.0007	.0018	.0125	.0121	.0000	.0007	.0011	.0000	.0000
%RSD	152.7	63.76	83.89	114.0	21.19	14.41	22.91	4.104	3.167	4.026
#1	-.0001	.0006	.0033	.0198	-.0485	.0001	.0035	.0259	.0004	.0012
#2	.0000	.0016	.0008	.0021	-.0656	.0002	.0025	.0275	.0004	.0012

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0024	-.0011	.0012	.0010	.0178	.0010	.0000	.0001	.0015	.0006
Stddev	.0003	.0047	.0002	.0000	.0009	.0003	.000	.0001	.0010	.0002
%RSD	11.54	416.6	17.87	3.579	5.100	32.89	24.16	68.06	64.79	33.06
#1	-.0022	-.0045	.0011	.0010	.0184	.0008	.0000	.0001	.0008	.0008
#2	-.0025	.0022	.0014	.0010	.0171	.0012	-.0001	.0002	.0022	.0005

Elem	W_2397	Zn2062	Zr3391
Avg	.0032	.0000	.0002
Stddev	.0026	.0000	.0002
%RSD	79.83	26.64	108.4
#1	.0014	.0000	.0004
#2	.0050	.0000	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1378.5	54501.	10477.
Stddev	3.5	219.	209.
%RSD	.25141	.40234	1.9953
#1	1376.1	54656.	10625.
#2	1381.0	54346.	10330.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 8/7/2013 14:54:49 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0046	.2150	.0126	.0013	.1053	.0484	.0041	4.919	.0044	.0526
Stddev	.0007	.0046	.0003	.0006	.0004	.0002	.0000	.004	.0000	.0003
%RSD	14.83	2.132	2.693	47.78	.3997	.3490	1.181	.0793	.7531	.5394
#1	.0051	.2182	.0128	.0008	.1050	.0485	.0041	4.917	.0044	.0524
#2	.0041	.2118	.0123	.0017	.1056	.0482	.0040	4.922	.0044	.0528

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0094	.0247	.1028	4.899	4.633	.0155	.1031	5.115	.0397	.0119
Stddev	.0005	.0004	.0004	.036	.030	.0000	.0001	.008	.0001	.0002
%RSD	5.131	1.739	.4012	.7284	.6473	.3000	.0557	.1504	.2502	1.310
#1	.0091	.0250	.1025	4.873	4.655	.0154	.1031	5.109	.0398	.0118
#2	.0097	.0244	.1031	4.924	4.612	.0155	.1031	5.120	.0397	.0121

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0014	.0020	.0123	.0112	.0440	.0981	.0098	.0507	.0083	.0107
Stddev	.0019	.0063	.0002	.0007	.0004	.0005	.0000	.0001	.0015	.0004
%RSD	132.0	317.6	1.291	5.818	.8847	.5541	.3315	.1253	17.70	3.307
#1	-.0001	-.0025	.0121	.0107	.0437	.0978	.0098	.0507	.0073	.0109
#2	-.0027	.0065	.0124	.0116	.0443	.0985	.0099	.0508	.0093	.0104

Elem	W_2397	Zn2062	Zr3391
Avg	-.0037	.0200	.0003
Stddev	.0060	.0001	.0000
%RSD	161.7	.5816	3.242
#1	.0005	.0199	.0003
#2	-.0079	.0201	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1363.7	54112.	10336.
Stddev	1.9	67.	88.
%RSD	.14017	.12345	.85072
#1	1362.3	54159.	10274.
#2	1365.0	54065.	10398.

Zoom In Zoom Out

Sample Name: MP21470-B1 Acquired: 8/7/2013 14:59:08 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1967	2.039	.5283	.0004	.0042	1.871	.4900	23.70	.5084	.5091
Stddev	.0008	.004	.0016	.0010	.0005	.001	.0003	.01	.0000	.0001
%RSD	.3852	.1774	.2960	240.0	12.91	.0351	.0525	.0589	.0045	.0204
#1	.1962	2.037	.5294	.0011	.0046	1.871	.4902	23.71	.5084	.5090
#2	.1973	2.042	.5272	-.0003	.0039	1.870	.4898	23.69	.5083	.5091

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5040	.4808	1.883	23.97	23.08	.4883	.0010	24.80	.4749	.9643
Stddev	.0089	.0011	.005	.02	.02	.0031	.0001	.04	.0005	.0007
%RSD	1.764	.2390	.2794	.0681	.0952	.6339	14.63	.1555	.0976	.0747
#1	.5103	.4816	1.880	23.95	23.07	.4905	.0011	24.83	.4745	.9638
#2	.4978	.4800	1.887	23.98	23.10	.4862	.0009	24.77	.4752	.9648

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0015	-.0064	.4994	.5014	.0492	.0032	.4766	.4831	.5021	.5142
Stddev	.0025	.0028	.0025	.0011	.0004	.0001	.0001	.0019	.0025	.0092
%RSD	163.4	44.20	.4930	.2247	.8153	1.658	.0293	.4006	.4910	1.780
#1	-.0033	-.0044	.4977	.5006	.0489	.0032	.4767	.4844	.5038	.5206
#2	.0002	-.0084	.5011	.5022	.0495	.0033	.4765	.4817	.5003	.5077

Elem	W_2397	Zn2062	Zr3391
Avg	-.0019	.4955	-.0013
Stddev	.0017	.0011	.0002
%RSD	88.38	.2220	17.96
#1	-.0007	.4947	-.0011
#2	-.0031	.4963	-.0015

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1366.4	54233.	10425.
Stddev	3.8	625.	57.
%RSD	.27823	1.1524	.54431
#1	1369.1	53791.	10385.
#2	1363.7	54675.	10465.

Zoom In Zoom Out

Sample Name: MP21470-MB1 Acquired: 8/7/2013 15:03:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	.0180	.0008	.0004	.0011	.0003	.0001	.0466	.0000	.0000
Stddev	.000	.0092	.0000	.0016	.0001	.0000	.0000	.0017	.000	.0004
%RSD	681.8	51.15	1.524	460.1	8.663	11.98	27.25	3.734	1783.	774.9
#1	-.0001	.0246	.0008	-.0008	.0012	.0003	.0001	.0478	-.0001	-.0002
#2	.0001	.0115	.0009	.0015	.0011	.0004	.0001	.0454	.0001	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	.0004	.0129	.0662	-.0198	.0003	.0006	.0830	-.0001	.0018
Stddev	.0002	.0003	.0017	.0123	.0024	.0000	.0002	.0009	.0003	.0001
%RSD	72.03	79.66	12.91	18.58	12.31	7.577	26.61	1.122	237.5	4.169
#1	-.0002	.0006	.0117	.0749	-.0215	.0003	.0005	.0837	-.0003	.0017
#2	-.0005	.0002	.0140	.0575	-.0180	.0003	.0008	.0824	.0001	.0018

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0015	-.0052	.0009	.0016	.0438	.0072	.0000	.0000	-.0037	.0004
Stddev	.0022	.0013	.0006	.0003	.0004	.0001	.000	.000	.0002	.0001
%RSD	141.9	24.23	68.59	18.05	.8187	.9893	370.4	1069.	6.595	15.07
#1	.0000	-.0043	.0005	.0019	.0436	.0073	.0000	.0002	-.0035	.0003
#2	-.0031	-.0061	.0014	.0014	.0441	.0072	.0000	-.0003	-.0039	.0004

Elem	W_2397	Zn2062	Zr3391
Avg	.0012	.0023	.0001
Stddev	.0032	.0001	.0002
%RSD	266.0	2.450	229.7
#1	-.0011	.0022	-.0001
#2	.0035	.0023	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1379.3	54492.	10411.
Stddev	.6	152.	117.
%RSD	.04100	.27893	1.1251
#1	1378.9	54385.	10494.
#2	1379.7	54600.	10328.

Zoom In Zoom Out

Sample Name: MP21470-S1 Acquired: 8/7/2013 15:07:43 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1747	89.44	.5001	-.0026	.0335	3.033	.4329	38.42	.4557	.5090
Stddev	.0003	.03	.0037	.0025	.0001	.002	.0006	.06	.0007	.0012
%RSD	.1826	.0384	.7397	98.25	.2240	.0731	.1297	.1638	.1576	.2280
#1	.1745	89.46	.5027	-.0044	.0336	3.032	.4325	38.46	.4562	.5099
#2	.1749	89.41	.4974	-.0008	.0335	3.035	.4332	38.37	.4552	.5082

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6019	.5122	134.1	27.35	37.98	3.181	.0019	22.71	.5180	1.153
Stddev	.0035	.0010	.1	.02	.06	.004	.0002	.03	.0007	.002
%RSD	.5786	.1893	.0995	.0589	.1647	.1417	12.90	.1285	.1412	.1502
#1	.5995	.5115	134.2	27.36	37.94	3.178	.0021	22.73	.5185	1.155
#2	.6044	.5128	134.0	27.34	38.03	3.185	.0017	22.69	.5175	1.152

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0046	.0046	.1969	.4225	6.174	.0048	.5164	2.676	.4435	.7237
Stddev	.0024	.0010	.0017	.0014	.045	.0004	.0007	.002	.0002	.0011
%RSD	52.08	22.28	.8711	.3344	.7238	7.922	.1346	.0621	.0473	.1462
#1	-.0029	.0053	.1981	.4215	6.206	.0051	.5159	2.677	.4433	.7229
#2	-.0063	.0039	.1957	.4235	6.143	.0045	.5169	2.675	.4436	.7244

Elem	W_2397	Zn2062	Zr3391
Avg	-.0015	.8238	.0664
Stddev	.0021	.0007	.0017
%RSD	141.9	.0894	2.487
#1	.0000	.8243	.0652
#2	-.0030	.8233	.0675

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1524.6	60443.	11925.
Stddev	.2	69.	61.
%RSD	.01157	.11367	.51039
#1	1524.7	60492.	11882.
#2	1524.4	60395.	11968.

Zoom In Zoom Out

Sample Name: MP21470-S2 Acquired: 8/7/2013 15:11:56 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1694	85.81	.5004	-.0036	.0305	3.028	.4363	38.74	.4574	.5078
Stddev	.0090	4.56	.0006	.0009	.0007	.162	.0239	2.03	.0008	.0005
%RSD	5.287	5.313	.1270	24.42	2.441	5.353	5.489	5.238	.1733	.0972
#1	.1631	82.59	.5009	-.0042	.0311	2.913	.4194	37.30	.4580	.5081
#2	.1757	89.03	.5000	-.0030	.0300	3.142	.4532	40.17	.4568	.5074

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5749	.4925	127.9	27.20	37.39	3.731	.0017	22.87	.5126	1.173
Stddev	.0276	.0268	6.9	1.31	1.92	.044	.0000	1.15	.0003	.002
%RSD	4.806	5.442	5.371	4.826	5.130	1.178	2.832	5.026	.0556	.1417
#1	.5554	.4736	123.1	26.28	36.03	3.700	.0018	22.06	.5124	1.174
#2	.5945	.5115	132.8	28.13	38.75	3.762	.0017	23.68	.5128	1.171

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0024	.0103	.1927	.4249	6.881	.0050	.5219	2.431	.4462	.6799
Stddev	.0001	.0012	.0006	.0009	.052	.0002	.0278	.118	.0008	.0334
%RSD	5.973	11.60	.3243	.2091	.7606	4.924	5.333	4.839	.1764	4.914
#1	-.0023	.0112	.1922	.4243	6.918	.0048	.5022	2.348	.4456	.6563
#2	-.0025	.0095	.1931	.4255	6.844	.0052	.5416	2.514	.4467	.7035

Elem	W_2397	Zn2062	Zr3391
Avg	-.0022	.8140	.0719
Stddev	.0058	.0005	.0039
%RSD	269.0	.0567	5.378
#1	-.0063	.8143	.0691
#2	.0020	.8137	.0746

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1517.9	62006.	11600.
Stddev	1.3	2152.	464.
%RSD	.08836	3.4700	3.9969
#1	1516.9	63527.	11928.
#2	1518.8	60484.	11272.

Zoom In Zoom Out

Sample Name: JB42561-22T Acquired: 8/7/2013 15:16:15 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	75.39	.0412	-.0029	.0217	1.312	.0051	17.56	.0016	.0577
Stddev	.0005	.44	.0004	.0018	.0001	.007	.0001	.13	.0001	.0005
%RSD	86.03	.5869	1.077	62.45	.5292	.5105	1.124	.7187	3.925	.8979
#1	-.0009	75.08	.0416	-.0016	.0217	1.308	.0051	17.47	.0016	.0573
#2	-.0002	75.70	.0409	-.0042	.0218	1.317	.0051	17.65	.0017	.0580

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1473	.0798	135.8	6.031	17.50	2.506	.0013	.8867	.0976	.4280
Stddev	.0013	.0004	.7	.044	.11	.007	.0000	.0138	.0004	.0018
%RSD	.8875	.5065	.5451	.7365	.6483	.2954	.2866	1.560	.4082	.4234
#1	.1483	.0800	135.3	6.062	17.58	2.511	.0013	.8965	.0974	.4267
#2	.1464	.0795	136.4	5.999	17.42	2.501	.0013	.8769	.0979	.4292

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0033	.0024	.0001	-.0006	6.674	.0086	.0889	2.108	.0056	.2678
Stddev	.0015	.0032	.0007	.0016	.014	.0000	.0007	.007	.0005	.0010
%RSD	45.88	133.0	524.6	263.7	.2064	.0478	.8352	.3286	9.347	.3746
#1	-.0044	.0001	-.0003	.0005	6.664	.0086	.0894	2.113	.0052	.2685
#2	-.0022	.0046	.0006	-.0018	6.684	.0086	.0884	2.103	.0060	.2671

Elem	W_2397	Zn2062	Zr3391
Avg	.0035	.3911	.0636
Stddev	.0020	.0010	.0006
%RSD	58.07	.2673	1.003
#1	.0049	.3903	.0631
#2	.0020	.3918	.0640

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1541.8	60603.	11853.
Stddev	5.2	64.	145.
%RSD	.33956	.10597	1.2221
#1	1545.5	60557.	11955.
#2	1538.1	60648.	11750.

Zoom In Zoom Out

Sample Name: MP21470-SD1 Acquired: 8/7/2013 15:20:30 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0023	82.56	.0541	.0066	.0347	1.433	.0054	19.61	.0015	.0647
Stddev	.0032	1.68	.0065	.0073	.0009	.033	.0005	.12	.0002	.0019
%RSD	141.5	2.037	11.98	109.7	2.655	2.276	8.611	.6349	10.99	2.995
#1	-.0046	83.74	.0495	.0118	.0340	1.456	.0051	19.70	.0014	.0634
#2	.0000	81.37	.0587	.0015	.0353	1.410	.0057	19.52	.0016	.0661

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1598	.0876	149.1	6.893	19.09	2.770	.0014	1.033	.1111	.4850
Stddev	.0005	.0039	2.8	.498	.18	.001	.0013	.015	.0003	.0011
%RSD	.2999	4.510	1.844	7.223	.9493	.0230	87.54	1.478	.2529	.2257
#1	.1601	.0904	151.1	7.245	18.97	2.771	.0005	1.044	.1109	.4858
#2	.1595	.0848	147.2	6.541	19.22	2.770	.0023	1.022	.1113	.4842

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0095	-.0184	.0064	.0056	7.385	.0120	.0964	2.347	-.0027	.3000
Stddev	.0064	.0105	.0048	.0048	.044	.0012	.0006	.045	.0096	.0019
%RSD	67.77	57.05	74.28	85.86	.6014	10.34	.5720	1.922	351.0	.6355
#1	-.0140	-.0110	.0098	.0022	7.416	.0111	.0960	2.379	-.0095	.3013
#2	-.0049	-.0259	.0030	.0090	7.354	.0128	.0968	2.315	.0041	.2986

Elem	W_2397	Zn2062	Zr3391
Avg	-.0178	.4492	.0733
Stddev	.0150	.0017	.0006
%RSD	84.68	.3787	.7703
#1	-.0284	.4504	.0737
#2	-.0071	.4480	.0729

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1406.3	55536.	10701.
Stddev	5.9	174.	166.
%RSD	.42102	.31363	1.5503
#1	1402.1	55659.	10584.
#2	1410.5	55412.	10818.

Zoom In Zoom Out

Sample Name: MP21470-LC1 Acquired: 8/7/2013 15:24:50 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.3261	87.68	.9013	-.0038	1.036	1.487	.4943	56.48	.6205	1.001
Stddev	.0010	.05	.0008	.0015	.000	.002	.0005	.03	.0002	.000
%RSD	.3206	.0593	.0917	39.10	.0077	.1631	.0935	.0532	.0341	.0347
#1	.3254	87.72	.9019	-.0048	1.036	1.488	.4946	56.46	.6206	1.001
#2	.3269	87.65	.9007	-.0027	1.036	1.485	.4940	56.51	.6203	1.001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6686	.7443	105.2	35.59	27.57	2.690	.4010	6.315	.5500	.8482
Stddev	.0063	.0023	.1	.01	.03	.005	.0002	.010	.0008	.0004
%RSD	.9406	.3075	.1260	.0335	.1239	.1815	.0536	.1526	.1446	.0493
#1	.6642	.7427	105.1	35.60	27.59	2.686	.4012	6.322	.5505	.8479
#2	.6731	.7460	105.3	35.58	27.54	2.693	.4009	6.308	.5494	.8485

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0057	.0008	.5353	1.552	6.829	.9358	.6377	2.259	1.175	.5256
Stddev	.0000	.0014	.0002	.002	.036	.0025	.0007	.005	.002	.0008
%RSD	.0210	171.8	.0358	.1127	.5261	.2620	.1059	.2104	.1810	.1445
#1	-.0057	.0018	.5355	1.553	6.855	.9376	.6381	2.256	1.174	.5262
#2	-.0057	-.0002	.5352	1.550	6.804	.9341	.6372	2.263	1.177	.5251

Elem	W_2397	Zn2062	Zr3391
Avg	-.0029	1.261	.0732
Stddev	.0001	.002	.0002
%RSD	2.857	.1571	.2747
#1	-.0028	1.262	.0734
#2	-.0029	1.259	.0731

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1457.1	58095.	11336.
Stddev	1.3	333.	136.
%RSD	.09110	.57311	1.1959
#1	1458.1	58331.	11432.
#2	1456.2	57860.	11240.

Zoom In Zoom Out

Sample Name: MC23272-6 Acquired: 8/7/2013 15:29:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	69.08	.1585	-.0032	.0721	1.692	.0055	255.3	.0172	.0979
Stddev	.0002	.23	.0002	.0025	.0002	.007	.0001	.2	.0002	.0002
%RSD	35.92	.3282	.1055	77.30	.2744	.4046	1.357	.0791	1.023	.2365
#1	-.0008	69.24	.1583	-.0014	.0720	1.697	.0054	255.4	.0171	.0977
#2	-.0005	68.92	.1586	-.0049	.0722	1.687	.0055	255.2	.0173	.0981

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2217	.5652	276.0	7.583	29.64	4.516	.0891	2.521	.9277	1.903
Stddev	.0025	.0005	.2	.034	.01	.017	.0004	.023	.0001	.003
%RSD	1.106	.0910	.0746	.4503	.0280	.3670	.4997	.9280	.0065	.1647
#1	.2200	.5649	276.2	7.608	29.64	4.504	.0888	2.538	.9277	1.906
#2	.2234	.5656	275.9	7.559	29.65	4.528	.0894	2.505	.9277	1.901

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0246	.0031	.0048	.0063	5.338	.0648	.6778	2.002	.0013	.2371
Stddev	.0024	.0017	.0003	.0018	.002	.0000	.0031	.001	.0025	.0029
%RSD	9.605	55.55	7.096	29.36	.0404	.0671	.4552	.0386	190.3	1.238
#1	-.0229	.0043	.0050	.0050	5.337	.0649	.6800	2.002	.0031	.2350
#2	-.0262	.0019	.0045	.0075	5.340	.0648	.6756	2.001	-.0005	.2391

Elem	W_2397	Zn2062	Zr3391
Avg	.0191	3.316	.0791
Stddev	.0002	.003	.0004
%RSD	1.297	.0794	.4442
#1	.0193	3.318	.0788
#2	.0189	3.314	.0793

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1398.3	56381.	11166.
Stddev	5.2	71.	72.
%RSD	.37053	.12631	.64436
#1	1394.6	56330.	11115.
#2	1401.9	56431.	11217.

Zoom In Zoom Out

Sample Name: MC23273-23 Acquired: 8/7/2013 15:33:30 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	55.32	.1719	-.0011	.0296	1.103	.0057	92.24	.0100	.0768
Stddev	.0006	.01	.0004	.0001	.0005	.001	.0001	.05	.0002	.0001
%RSD	340.0	.0149	.2460	6.879	1.631	.1221	1.690	.0565	2.039	.1840
#1	-.0006	55.32	.1716	-.0012	.0300	1.102	.0058	92.28	.0101	.0769
#2	.0002	55.31	.1722	-.0011	.0293	1.104	.0056	92.20	.0098	.0767

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1706	.3754	192.2	9.292	19.80	1.948	.0359	9.176	.2607	.1573
Stddev	.0007	.0001	.1	.041	.10	.009	.0001	.028	.0010	.0013
%RSD	.4262	.0281	.0462	.4446	.5079	.4620	.1770	.3027	.3768	.8029
#1	.1711	.3754	192.1	9.263	19.87	1.954	.0360	9.157	.2614	.1564
#2	.1700	.3753	192.2	9.321	19.73	1.942	.0359	9.196	.2600	.1582

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0105	-.0073	.0017	.0074	6.832	.0086	.9973	1.358	.0080	.2072
Stddev	.0014	.0004	.0002	.0004	.031	.0004	.0020	.014	.0013	.0009
%RSD	13.41	5.594	11.01	4.859	.4473	4.786	.1968	1.063	16.07	.4302
#1	-.0115	-.0070	.0018	.0076	6.853	.0089	.9959	1.368	.0071	.2066
#2	-.0095	-.0076	.0016	.0071	6.810	.0083	.9987	1.348	.0089	.2078

Elem	W_2397	Zn2062	Zr3391
Avg	.0022	.2475	.0629
Stddev	.0101	.0006	.0013
%RSD	455.7	.2353	2.141
#1	.0094	.2479	.0619
#2	-.0049	.2471	.0638

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1429.3	57385.	11154.
Stddev	.7	479.	82.
%RSD	.05231	.83442	.73286
#1	1429.8	57046.	11096.
#2	1428.8	57723.	11212.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 15:37:46 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2498	9.989	2.014	-.0023	2.044	1.861	1.908	9.728	2.016	2.090
Stddev	.0006	.005	.003	.0006	.001	.002	.001	.028	.004	.002
%RSD	.2307	.0474	.1455	28.11	.0434	.1203	.0479	.2842	.1733	.0832
#1	.2502	9.986	2.016	-.0027	2.044	1.862	1.909	9.747	2.019	2.091
#2	.2494	9.993	2.012	-.0018	2.045	1.859	1.908	9.708	2.014	2.088

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.961	1.998	9.424	9.564	9.273	2.016	2.007	9.996	1.951	1.951
Stddev	.004	.004	.017	.009	.004	.004	.003	.015	.001	.001
%RSD	.1862	.1848	.1758	.0954	.0382	.2102	.1399	.1486	.0345	.0721
#1	1.964	1.996	9.436	9.571	9.276	2.019	2.005	10.01	1.952	1.950
#2	1.959	2.001	9.412	9.558	9.271	2.013	2.009	9.986	1.951	1.952

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0033	-.0054	2.017	2.017	.1677	2.015	1.964	1.996	2.023	2.009
Stddev	.0002	.0020	.001	.003	.0032	.001	.002	.001	.004	.002
%RSD	6.435	37.77	.0492	.1394	1.911	.0568	.0930	.0443	.1719	.1170
#1	-.0034	-.0039	2.018	2.015	.1700	2.015	1.965	1.997	2.021	2.011
#2	-.0031	-.0068	2.016	2.019	.1655	2.016	1.963	1.995	2.026	2.007

Elem	W_2397	Zn2062	Zr3391
Avg	.0035	1.927	.0000
Stddev	.0012	.000	.001
%RSD	34.70	.0198	10020.
#1	.0044	1.927	.0004
#2	.0027	1.927	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1374.2	53943.	10600.
Stddev	5.1	187.	5.
%RSD	.37045	.34714	.05126
#1	1370.6	53811.	10596.
#2	1377.8	54076.	10604.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 15:41:59 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	.0157	.0011	.0022	.0026	.0000	.0001	.0026	.0000	-.0001
Stddev	.0004	.0042	.0005	.0009	.0002	.000	.0000	.0006	.0001	.0001
%RSD	86.53	27.02	44.50	43.47	9.439	423.5	27.73	24.57	196.7	250.8
#1	-.0002	.0127	.0007	.0015	.0025	.0000	.0001	.0021	.0000	-.0001
#2	-.0007	.0187	.0014	.0029	.0028	-.0001	.0001	.0030	.0001	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0006	.0002	.0014	.0323	-.0504	.0000	.0019	.0182	-.0002	.0013
Stddev	.0001	.0002	.0003	.0139	.0174	.0000	.0010	.0023	.0001	.0004
%RSD	16.15	77.43	18.16	42.95	34.46	47.59	56.24	12.50	76.74	29.63
#1	-.0005	.0001	.0012	.0422	-.0381	.0000	.0026	.0198	-.0003	.0010
#2	-.0006	.0004	.0016	.0225	-.0626	.0000	.0011	.0166	-.0001	.0016

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0004	-.0039	.0002	.0006	.0158	.0006	-.0001	.0001	.0009	.0008
Stddev	.0008	.0052	.0006	.0007	.0012	.0002	.0000	.0005	.0003	.0001
%RSD	234.8	133.4	237.7	119.2	7.747	41.89	42.40	415.1	29.81	8.462
#1	.0002	-.0002	.0006	.0011	.0167	.0007	-.0001	.0004	.0007	.0009
#2	-.0010	-.0076	-.0002	.0001	.0149	.0004	-.0001	-.0002	.0011	.0008

Elem	W_2397	Zn2062	Zr3391
Avg	-.0083	.0001	.0001
Stddev	.0066	.0002	.0000
%RSD	78.99	169.3	38.92
#1	-.0037	.0000	.0002
#2	-.0129	.0002	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1381.5	54328.	10510.
Stddev	1.3	237.	87.
%RSD	.09514	.43576	.82784
#1	1380.6	54160.	10449.
#2	1382.4	54495.	10572.

Zoom In Zoom Out

Sample Name: MP21462-B1 Acquired: 8/7/2013 15:46:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1937	2.015	.5154	-.0004	.9735	1.853	.4834	23.33	.5000	.4999
Stddev	.0007	.016	.0038	.0006	.0034	.024	.0062	.31	.0021	.0021
%RSD	.3665	.7699	.7331	137.3	.3511	1.312	1.277	1.337	.4136	.4147
#1	.1932	2.004	.5127	.0000	.9711	1.836	.4791	23.11	.4985	.4985
#2	.1942	2.026	.5181	-.0008	.9760	1.870	.4878	23.55	.5014	.5014

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4933	.4724	1.882	23.59	22.90	.4781	.0012	24.53	.4678	.9517
Stddev	.0065	.0011	.023	.39	.41	.0013	.0001	.29	.0020	.0021
%RSD	1.326	.2403	1.214	1.650	1.803	.2800	12.33	1.171	.4178	.2226
#1	.4887	.4716	1.866	23.31	22.61	.4771	.0013	24.33	.4665	.9502
#2	.4979	.4732	1.898	23.87	23.19	.4790	.0011	24.73	.4692	.9532

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0043	-.0003	.4921	.4863	.0614	.0042	.4709	.4716	.4909	.5030
Stddev	.0014	.0025	.0017	.0033	.0013	.0005	.0063	.0002	.0005	.0116
%RSD	32.61	725.4	.3556	.6803	2.180	10.77	1.332	.0367	.0973	2.300
#1	-.0053	.0014	.4909	.4840	.0624	.0039	.4665	.4715	.4905	.4948
#2	-.0033	-.0021	.4934	.4886	.0605	.0045	.4753	.4718	.4912	.5112

Elem	W_2397	Zn2062	Zr3391
Avg	-.0015	.4838	-.0016
Stddev	.0015	.0014	.0001
%RSD	98.69	.2850	4.987
#1	-.0005	.4828	-.0016
#2	-.0026	.4848	-.0017

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1367.6	54206.	10360.
Stddev	1.9	136.	129.
%RSD	.13615	.25009	1.2463
#1	1368.9	54302.	10451.
#2	1366.3	54110.	10268.

Zoom In Zoom Out

Sample Name: MP21462-MB1 Acquired: 8/7/2013 15:50:34 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0122	.0011	.0006	.0034	.0004	.0000	.0420	.0001	-.0001
Stddev	.0001	.0014	.0006	.0008	.0001	.0001	.0000	.0025	.0003	.0003
%RSD	66.47	11.51	56.31	138.7	3.893	33.12	57.14	5.864	338.3	211.8
#1	-.0003	.0112	.0007	.0012	.0035	.0003	.0000	.0437	-.0001	.0001
#2	-.0001	.0132	.0016	.0000	.0033	.0005	.0001	.0402	.0003	-.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0001	.0011	.0103	.0638	-.0319	.0003	.0004	.0550	-.0003	.0019
Stddev	.0003	.0001	.0010	.0011	.0060	.0000	.0002	.0075	.0001	.0007
%RSD	317.8	7.815	10.12	1.746	18.81	7.751	44.11	13.55	54.96	35.25
#1	.0003	.0012	.0095	.0630	-.0361	.0003	.0003	.0603	-.0002	.0024
#2	-.0001	.0010	.0110	.0646	-.0276	.0003	.0005	.0498	-.0004	.0014

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0014	-.0018	.0015	.0008	.0607	.0058	.0000	-.0001	-.0034	.0006
Stddev	.0005	.0010	.0012	.0002	.0002	.0002	.000	.0001	.0004	.0002
%RSD	34.87	54.07	78.75	27.28	.3680	2.888	217.5	74.89	11.63	31.02
#1	-.0018	-.0025	.0023	.0009	.0608	.0057	.0000	-.0002	-.0031	.0007
#2	-.0011	-.0011	.0007	.0006	.0605	.0059	-.0001	-.0001	-.0036	.0005

Elem	W_2397	Zn2062	Zr3391
Avg	-.0071	.0032	-.0001
Stddev	.0015	.0001	.0004
%RSD	21.14	4.502	243.3
#1	-.0060	.0033	.0001
#2	-.0082	.0031	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1382.0	54920.	10705.
Stddev	4.3	239.	144.
%RSD	.31040	.43525	1.3472
#1	1385.0	55089.	10806.
#2	1379.0	54751.	10603.

Zoom In Zoom Out

Sample Name: MP21462-S1 Acquired: 8/7/2013 15:54:56 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1820	103.7	.6030	-.0066	.8931	2.150	.4524	47.06	.4691	.5456
Stddev	.0010	4.6	.0039	.0021	.0040	.097	.0202	2.06	.0018	.0028
%RSD	.5414	4.440	.6536	32.67	.4488	4.519	4.467	4.370	.3888	.5198
#1	.1827	107.0	.6002	-.0081	.8903	2.219	.4667	48.52	.4679	.5436
#2	.1813	100.5	.6058	-.0051	.8959	2.082	.4381	45.61	.4704	.5476

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5762	.6620	221.6	30.43	48.92	4.125	.0232	23.41	.6199	.9817
Stddev	.0023	.0080	10.0	1.22	2.07	.001	.0002	.98	.0030	.0053
%RSD	.3978	1.206	4.506	4.001	4.234	.0213	.7606	4.189	.4883	.5449
#1	.5779	.6676	228.7	31.29	50.38	4.125	.0230	24.10	.6178	.9779
#2	.5746	.6564	214.5	29.56	47.45	4.126	.0233	22.72	.6220	.9855

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0051	.0061	.1483	.4386	4.071	.0040	.5249	2.006	.4534	.6672
Stddev	.0039	.0044	.0013	.0017	.012	.0002	.0232	.023	.0016	.0048
%RSD	76.61	72.81	.8690	.3945	.3050	5.733	4.428	1.131	.3544	.7160
#1	-.0023	.0092	.1474	.4374	4.062	.0041	.5413	2.022	.4523	.6706
#2	-.0078	.0029	.1492	.4398	4.080	.0038	.5084	1.990	.4545	.6638

Elem	W_2397	Zn2062	Zr3391
Avg	-.0005	1.084	.0760
Stddev	.0037	.005	.0013
%RSD	760.8	.4852	1.687
#1	-.0031	1.081	.0750
#2	.0021	1.088	.0769

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1485.4	58465.	11300.
Stddev	1.8	308.	393.
%RSD	.12257	.52663	3.4737
#1	1486.7	58247.	11022.
#2	1484.2	58682.	11577.

Zoom In Zoom Out

Sample Name: MP21462-S2 Acquired: 8/7/2013 15:59:14 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1707	103.9	.5984	-.0058	.8973	2.101	.4424	45.89	.4671	.5443
Stddev	.0109	.4	.0041	.0019	.0005	.006	.0015	.17	.0000	.0011
%RSD	6.382	.3795	.6907	32.56	.0585	.2772	.3484	.3633	.0086	.2056
#1	.1630	103.6	.6013	-.0071	.8969	2.097	.4413	45.77	.4671	.5451
#2	.1784	104.2	.5955	-.0045	.8977	2.105	.4435	46.01	.4671	.5435

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5410	.6204	216.0	30.28	47.92	3.877	.0234	22.92	.6184	.9812
Stddev	.0415	.0440	.7	.06	.03	.206	.0003	.11	.0001	.0025
%RSD	7.669	7.086	.3312	.2012	.0621	5.307	1.402	.4843	.0116	.2522
#1	.5117	.5894	215.4	30.23	47.89	3.732	.0236	22.84	.6185	.9829
#2	.5703	.6515	216.5	30.32	47.94	4.023	.0231	22.99	.6184	.9794

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0037	.0028	.1569	.4338	4.205	.0038	.5127	1.982	.4524	.6308
Stddev	.0067	.0036	.0003	.0006	.003	.0008	.0016	.138	.0008	.0445
%RSD	183.1	127.4	.1624	.1268	.0809	20.74	.3064	6.962	.1700	7.054
#1	.0011	.0054	.1571	.4334	4.207	.0032	.5116	1.884	.4529	.5993
#2	-.0084	.0003	.1567	.4342	4.203	.0044	.5138	2.080	.4518	.6622

Elem	W_2397	Zn2062	Zr3391
Avg	.0034	1.084	.0830
Stddev	.0025	.002	.0084
%RSD	74.77	.1409	10.12
#1	.0051	1.085	.0770
#2	.0016	1.083	.0889

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1478.8	61737.	11525.
Stddev	.3	3341.	3.
%RSD	.01822	5.4115	.02540
#1	1479.0	64099.	11527.
#2	1478.6	59374.	11523.

Zoom In Zoom Out

Sample Name: MC23218-2 Acquired: 8/7/2013 16:03:33 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	85.71	.1332	-.0015	.0258	.3916	.0048	23.92	.0037	.0833
Stddev	.0002	.82	.0007	.0010	.0008	.0046	.0001	.20	.0001	.0006
%RSD	28.69	.9550	.5291	68.24	3.281	1.172	1.278	.8178	3.618	.7769
#1	-.0008	86.29	.1327	-.0023	.0264	.3948	.0049	24.06	.0036	.0829
#2	-.0005	85.13	.1337	-.0008	.0252	.3884	.0048	23.78	.0038	.0838

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1064	.2191	215.1	7.016	25.71	3.657	.0237	.5451	.1883	.1158
Stddev	.0013	.0017	2.2	.103	.10	.002	.0001	.0062	.0008	.0000
%RSD	1.268	.7964	1.037	1.474	.3972	.0423	.6327	1.139	.4345	.0062
#1	.1074	.2204	216.7	7.089	25.78	3.658	.0236	.5495	.1878	.1158
#2	.1055	.2179	213.5	6.943	25.63	3.656	.0238	.5407	.1889	.1158

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0060	.0032	.0021	.0008	3.867	.0047	.0619	1.643	-.0018	.1914
Stddev	.0023	.0002	.0002	.0010	.003	.0000	.0004	.005	.0006	.0004
%RSD	37.94	7.564	10.97	136.2	.0709	.6545	.6938	.2940	33.47	.2059
#1	-.0044	.0034	.0019	.0015	3.865	.0047	.0622	1.646	-.0023	.1917
#2	-.0077	.0030	.0022	.0000	3.869	.0046	.0616	1.639	-.0014	.1911

Elem	W_2397	Zn2062	Zr3391
Avg	.0012	.6698	.0654
Stddev	.0066	.0017	.0005
%RSD	558.1	.2516	.7110
#1	-.0035	.6686	.0657
#2	.0059	.6710	.0650

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1489.4	59281.	11698.
Stddev	3.4	163.	50.
%RSD	.22670	.27460	.42485
#1	1491.8	59166.	11663.
#2	1487.0	59396.	11733.

Zoom In Zoom Out

Sample Name: MP21462-SD1 Acquired: 8/7/2013 16:07:55 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0038	94.55	.1500	-.0001	.0438	.4312	.0055	27.14	.0027	.0909
Stddev	.0000	1.36	.0005	.0041	.0033	.0048	.0004	.06	.0005	.0001
%RSD	.5482	1.438	.3246	8268.	7.631	1.115	6.863	.2154	17.71	.1530
#1	-.0038	93.59	.1503	-.0030	.0462	.4278	.0058	27.10	.0031	.0908
#2	-.0038	95.51	.1496	.0029	.0415	.4346	.0053	27.18	.0024	.0910

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1189	.2386	242.6	7.911	28.19	4.113	.0261	.6834	.2061	.1279
Stddev	.0006	.0003	3.3	.149	.08	.014	.0003	.0745	.0001	.0014
%RSD	.4869	.1210	1.359	1.881	.2966	.3435	1.239	10.90	.0529	1.107
#1	.1193	.2384	240.3	7.805	28.25	4.123	.0263	.7361	.2062	.1269
#2	.1185	.2388	244.9	8.016	28.13	4.103	.0258	.6307	.2061	.1289

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0063	-.0135	.0017	.0041	4.287	.0043	.0680	1.874	-.0020	.2139
Stddev	.0021	.0076	.0038	.0007	.022	.0024	.0005	.002	.0049	.0066
%RSD	32.89	56.17	220.6	16.01	.5076	54.69	.7066	.1289	240.6	3.081
#1	-.0049	-.0081	.0044	.0045	4.272	.0060	.0677	1.872	.0014	.2092
#2	-.0078	-.0189	-.0010	.0036	4.303	.0026	.0684	1.876	-.0055	.2185

Elem	W_2397	Zn2062	Zr3391
Avg	-.0191	.7524	.0757
Stddev	.0162	.0008	.0008
%RSD	85.09	.1076	1.031
#1	-.0306	.7518	.0762
#2	-.0076	.7530	.0751

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1404.7	55597.	10733.
Stddev	2.4	429.	249.
%RSD	.17244	.77102	2.3181
#1	1406.4	55294.	10909.
#2	1403.0	55900.	10557.

Zoom In Zoom Out

Sample Name: MP21462-B2 Acquired: 8/7/2013 16:12:15 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1967	2.018	.5174	-.0001	.9794	1.846	.4847	23.30	.5048	.5042
Stddev	.0008	.013	.0012	.0011	.0028	.004	.0009	.03	.0004	.0001
%RSD	.3930	.6261	.2225	1046.	.2863	.2415	.1904	.1199	.0785	.0103
#1	.1972	2.027	.5182	.0007	.9774	1.849	.4854	23.32	.5045	.5042
#2	.1961	2.009	.5166	-.0009	.9814	1.843	.4841	23.28	.5051	.5043

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5004	.4769	1.867	23.55	22.81	.4828	.0007	24.57	.4715	.9506
Stddev	.0002	.0009	.005	.09	.01	.0002	.0000	.02	.0000	.0010
%RSD	.0305	.1946	.2567	.3970	.0638	.0351	.6349	.0694	.0001	.1089
#1	.5005	.4763	1.871	23.62	22.80	.4827	.0007	24.59	.4715	.9513
#2	.5003	.4776	1.864	23.48	22.82	.4829	.0007	24.56	.4715	.9498

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0030	.0041	.4961	.4874	.0575	.0041	.4711	.4810	.4934	.5119
Stddev	.0011	.0001	.0009	.0009	.0012	.0001	.0006	.0068	.0003	.0036
%RSD	37.65	1.521	.1758	.1815	2.121	3.131	.1217	1.420	.0555	.6956
#1	-.0022	.0041	.4955	.4881	.0583	.0040	.4715	.4761	.4932	.5144
#2	-.0038	.0040	.4967	.4868	.0566	.0042	.4707	.4858	.4936	.5094

Elem	W_2397	Zn2062	Zr3391
Avg	-.0032	.4891	.0115
Stddev	.0011	.0001	.0010
%RSD	34.59	.0134	9.126
#1	-.0024	.4890	.0122
#2	-.0040	.4891	.0107

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1358.7	53890.	10378.
Stddev	3.3	263.	41.
%RSD	.24325	.48857	.39779
#1	1356.4	54077.	10407.
#2	1361.1	53704.	10349.

Zoom In Zoom Out

Sample Name: MP21462-LC1 Acquired: 8/7/2013 16:16:28 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.3491	99.03	.9656	-.0028	1.117	1.622	.5144	57.42	.6321	1.044
Stddev	.0015	.13	.0017	.0004	.003	.002	.0001	.04	.0016	.001
%RSD	.4252	.1283	.1789	15.45	.3089	.0963	.0154	.0737	.2464	.1280
#1	.3501	98.94	.9669	-.0031	1.115	1.621	.5143	57.45	.6310	1.043
#2	.3480	99.12	.9644	-.0025	1.119	1.623	.5144	57.39	.6332	1.045

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.7142	.7652	118.2	38.74	29.69	2.825	.4143	6.455	.5624	.9052
Stddev	.0001	.0001	.1	.02	.04	.008	.0006	.018	.0008	.0015
%RSD	.0088	.0143	.0906	.0550	.1445	.2728	.1356	.2719	.1375	.1707
#1	.7142	.7651	118.3	38.73	29.72	2.820	.4139	6.443	.5618	.9041
#2	.7141	.7653	118.2	38.76	29.66	2.830	.4147	6.468	.5629	.9063

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0042	.0040	.6715	1.643	5.180	1.021	.6718	2.705	1.244	.5751
Stddev	.0015	.0013	.0031	.007	.008	.002	.0000	.007	.001	.0008
%RSD	35.16	33.64	.4620	.4130	.1609	.1532	.0063	.2617	.0711	.1391
#1	-.0032	.0030	.6737	1.638	5.175	1.022	.6718	2.699	1.244	.5746
#2	-.0053	.0049	.6694	1.648	5.186	1.020	.6718	2.710	1.245	.5757

Elem	W_2397	Zn2062	Zr3391
Avg	.0064	1.381	.0692
Stddev	.0023	.001	.0005
%RSD	35.45	.0391	.7633
#1	.0048	1.380	.0695
#2	.0080	1.381	.0688

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1473.5	58879.	11552.
Stddev	2.6	409.	34.
%RSD	.17852	.69491	.29191
#1	1475.4	59169.	11528.
#2	1471.6	58590.	11576.

Zoom In Zoom Out

Sample Name: MP21462-S3 Acquired: 8/7/2013 16:20:40 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1916	2.475	.5215	.0005	1.461	1.950	.4773	29.52	.5056	.5043
Stddev	.0013	.007	.0059	.0003	.016	.003	.0016	.06	.0057	.0042
%RSD	.6780	.2660	1.123	54.34	1.060	.1761	.3397	.2048	1.134	.8418
#1	.1925	2.471	.5256	.0007	1.472	1.952	.4785	29.56	.5097	.5073
#2	.1907	2.480	.5173	.0003	1.450	1.947	.4762	29.48	.5016	.5013

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5095	1.333	4.266	25.68	22.95	.5623	.2206	27.47	.5021	1.487
Stddev	.0011	.006	.012	.04	.05	.0001	.0020	.04	.0048	.012
%RSD	.2098	.4689	.2737	.1517	.1974	.0253	.9060	.1531	.9649	.8304
#1	.5103	1.337	4.257	25.65	22.98	.5622	.2220	27.50	.5055	1.496
#2	.5088	1.329	4.274	25.71	22.92	.5624	.2192	27.45	.4987	1.478

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0045	-.0071	.4823	.4964	.2219	.0496	.4807	.4943	.4896	.5110
Stddev	.0010	.0013	.0065	.0039	.0043	.0014	.0001	.0009	.0062	.0001
%RSD	22.21	17.69	1.343	.7934	1.933	2.751	.0212	.1789	1.262	.0288
#1	-.0052	-.0080	.4869	.4992	.2249	.0505	.4808	.4949	.4940	.5111
#2	-.0038	-.0062	.4777	.4936	.2188	.0486	.4806	.4936	.4852	.5109

Elem	W_2397	Zn2062	Zr3391
Avg	.0010	3.259	.0034
Stddev	.0026	.031	.0004
%RSD	257.0	.9645	11.97
#1	.0028	3.282	.0036
#2	-.0008	3.237	.0031

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1366.0	54372.	10497.
Stddev	12.0	280.	18.
%RSD	.87919	.51576	.17507
#1	1357.5	54571.	10510.
#2	1374.5	54174.	10484.

Zoom In Zoom Out

Sample Name: MP21462-S4 Acquired: 8/7/2013 16:24:52 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1920	3.132	.5157	.0002	2.051	2.085	.5026	32.74	.5011	.5001
Stddev	.0017	.058	.0016	.0004	.001	.043	.0103	.65	.0006	.0005
%RSD	.8873	1.851	.3190	232.4	.0633	2.057	2.056	1.971	.1269	.0981
#1	.1908	3.091	.5169	-.0001	2.051	2.054	.4953	32.28	.5015	.5004
#2	.1932	3.173	.5146	.0005	2.050	2.115	.5099	33.20	.5006	.4997

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5137	1.248	5.485	29.05	24.60	.5703	.2976	32.42	.4969	1.500
Stddev	.0007	.001	.128	.50	.55	.0007	.0001	.64	.0009	.005
%RSD	.1278	.1076	2.332	1.705	2.223	.1179	.0412	1.985	.1801	.3474
#1	.5141	1.249	5.395	28.70	24.22	.5707	.2977	31.97	.4975	1.504
#2	.5132	1.247	5.576	29.40	24.99	.5698	.2975	32.88	.4962	1.496

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0027	-.0028	.4900	.4946	.3475	.0508	.5105	.4952	.4856	.5054
Stddev	.0010	.0017	.0002	.0011	.0003	.0006	.0106	.0002	.0018	.0007
%RSD	36.50	59.65	.0489	.2306	.0841	1.127	2.081	.0424	.3760	.1308
#1	-.0020	-.0016	.4901	.4938	.3477	.0512	.5029	.4951	.4869	.5059
#2	-.0034	-.0040	.4898	.4954	.3473	.0504	.5180	.4954	.4844	.5050

Elem	W_2397	Zn2062	Zr3391
Avg	-.0027	3.322	.0007
Stddev	.0066	.006	.0001
%RSD	243.2	.1822	22.76
#1	.0019	3.327	.0008
#2	-.0073	3.318	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1380.5	54678.	10194.
Stddev	.1	36.	180.
%RSD	.00371	.06594	1.7647
#1	1380.5	54703.	10322.
#2	1380.5	54652.	10067.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 16:29:05 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2481	9.984	2.007	-.0019	2.049	1.872	1.905	9.720	2.020	2.083
Stddev	.0012	.061	.004	.0002	.004	.006	.005	.048	.006	.005
%RSD	.4716	.6127	.2015	10.12	.1859	.3347	.2814	.4978	.2946	.2264
#1	.2490	10.03	2.010	-.0018	2.052	1.877	1.909	9.754	2.024	2.086
#2	.2473	9.941	2.005	-.0021	2.046	1.868	1.902	9.686	2.015	2.080

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.945	2.012	9.481	9.639	9.208	1.988	2.005	10.01	1.939	1.939
Stddev	.001	.001	.025	.003	.077	.002	.001	.04	.003	.005
%RSD	.0482	.0234	.2620	.0321	.8400	.1163	.0482	.3601	.1440	.2448
#1	1.945	2.013	9.499	9.641	9.263	1.987	2.006	10.04	1.941	1.942
#2	1.946	2.012	9.464	9.637	9.153	1.990	2.004	9.986	1.937	1.936

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0006	.0016	2.024	2.011	.1591	2.001	1.988	1.981	2.017	1.998
Stddev	.0004	.0006	.005	.006	.0028	.002	.007	.002	.003	.001
%RSD	67.48	37.68	.2721	.2808	1.787	.1093	.3790	.0945	.1247	.0667
#1	-.0003	.0020	2.028	2.015	.1611	2.002	1.993	1.980	2.015	1.999
#2	-.0009	.0012	2.020	2.007	.1571	1.999	1.983	1.983	2.018	1.997

Elem	W_2397	Zn2062	Zr3391
Avg	.0051	1.910	-.0031
Stddev	.0029	.004	.0004
%RSD	56.54	.2374	11.87
#1	.0072	1.913	-.0028
#2	.0031	1.907	-.0033

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1366.3	54328.	10774.
Stddev	5.8	72.	108.
%RSD	.42507	.13241	1.0069
#1	1362.2	54277.	10697.
#2	1370.5	54379.	10851.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 16:33:17 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	-.0013	.0012	.0012	.0051	.0000	.0001	-.0015	-.0001	.0002
Stddev	.0005	.0047	.0003	.0002	.0007	.000	.0002	.0021	.0000	.0001
%RSD	938.5	365.1	21.65	19.90	13.59	192.8	145.7	134.7	44.82	40.90
#1	.0003	.0020	.0010	.0010	.0055	-.0001	.0002	-.0001	-.0001	.0003
#2	-.0004	-.0046	.0014	.0014	.0046	.0000	.0000	-.0030	.0000	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0004	-.0009	.0715	-.0201	.0000	.0023	.0033	.0002	.0002
Stddev	.0003	.0009	.0004	.0311	.0141	.000	.0005	.0014	.0003	.0002
%RSD	197.1	205.9	49.76	43.58	70.15	251.8	20.74	41.49	146.1	81.36
#1	-.0004	.0011	-.0006	.0935	-.0102	-.0001	.0026	.0043	.0000	.0003
#2	.0001	-.0002	-.0012	.0494	-.0301	.0000	.0019	.0023	.0004	.0001

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0015	-.0026	.0020	.0011	.0116	.0006	-.0001	-.0003	-.0008	.0003
Stddev	.0007	.0075	.0006	.0007	.0014	.0002	.0000	.0005	.0003	.0004
%RSD	43.44	286.4	32.06	65.62	12.19	37.80	4.049	133.5	36.83	109.8
#1	-.0010	.0027	.0015	.0016	.0106	.0008	-.0001	.0000	-.0006	.0001
#2	-.0020	-.0079	.0024	.0006	.0126	.0005	-.0001	-.0007	-.0010	.0006

Elem	W_2397	Zn2062	Zr3391
Avg	-.0002	.0001	.0000
Stddev	.0081	.0001	.0003
%RSD	3490.	143.9	3675.
#1	.0055	.0000	-.0002
#2	-.0059	.0001	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1384.2	55624.	10607.
Stddev	20.8	304.	65.
%RSD	1.5005	.54695	.60912
#1	1398.9	55409.	10653.
#2	1369.5	55839.	10562.

Zoom In Zoom Out

Sample Name: MC23230-1 Acquired: 8/7/2013 16:37:41 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0001	.2838	.0020	.0014	.1517	.0858	.0001	5.453
Stddev	.0002	.0068	.0001	.0005	.0003	.0005	.0000	.014
%RSD	134.6	2.386	6.890	32.95	.2181	.5323	31.24	.2508
#1	.0003	.2886	.0019	.0011	.1519	.0855	.0001	5.463
#2	.0000	.2790	.0021	.0017	.1515	.0861	.0002	5.443

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0008	.0005	.0090	.8604	1.969	.8132	.1178	.0800
Stddev	.0000	.0002	.0005	.0026	.001	.0353	.0098	.0003
%RSD	5.823	45.99	5.626	.3079	.0325	4.340	8.357	.3342
#1	.0008	.0006	.0086	.8585	1.969	.8381	.1108	.0798
#2	.0008	.0003	.0093	.8623	1.970	.7882	.1247	.0802

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.1618	.8648	.0346	.5124	-.0032	-.0035	.0048	.0053
Stddev	.0002	.0080	.0002	.0003	.0003	.0027	.0008	.0007
%RSD	.1243	.9221	.6746	.0658	10.71	76.78	16.11	13.16
#1	.1616	.8704	.0348	.5127	-.0030	-.0054	.0043	.0049
#2	.1619	.8591	.0344	.5122	-.0034	-.0016	.0053	.0058

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	.1815	.0512	.0064	.0206	F-.0059	.0018	-.0027	2.696
Stddev	.0001	.0004	.0000	.0007	.0000	.0001	.0022	.000
%RSD	.0628	.8766	.1895	3.482	.1632	5.575	80.30	.0027
#1	.1814	.0509	.0064	.0201	-.0059	.0017	-.0042	2.696
#2	.1815	.0516	.0063	.0211	-.0059	.0018	-.0012	2.696

Elem	Zr3391
Avg	.0006
Stddev	.0003
%RSD	48.66
#1	.0008
#2	.0004

Zoom In Zoom Out

Sample Name: MC23230-1 Acquired: 8/7/2013 16:37:41 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1402.5	54992.	10649.
Stddev	1.5	153.	45.
%RSD	.10672	.27895	.41917
#1	1401.4	54884.	10617.
#2	1403.5	55101.	10680.

Zoom In Zoom Out

Sample Name: MC23230-2 Acquired: 8/7/2013 16:42:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0004	.2704	.0023	.0007	.1913	.2373	.0001	6.042
Stddev	.0001	.0123	.0011	.0013	.0010	.0057	.0001	.029
%RSD	22.41	4.533	46.04	180.9	.5165	2.390	111.0	.4713
#1	.0005	.2791	.0030	.0017	.1920	.2413	.0001	6.062
#2	.0003	.2618	.0015	-.0002	.1906	.2333	.0000	6.022

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0030	.0002	.0080	.9254	1.513	.6589	.1194	.0510
Stddev	.0001	.0003	.0001	.0041	.012	.0074	.0190	.0009
%RSD	4.410	124.5	1.143	.4443	.8126	1.124	15.87	1.707
#1	.0029	.0000	.0081	.9225	1.521	.6537	.1328	.0504
#2	.0031	.0004	.0080	.9283	1.504	.6641	.1060	.0516

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.1511	.8448	.0274	.6633	-.0021	-.0048	.0052	.0056
Stddev	.0003	.0091	.0001	.0004	.0012	.0044	.0004	.0008
%RSD	.1927	1.077	.3826	.0573	59.50	93.15	6.819	14.04
#1	.1513	.8513	.0273	.6636	-.0012	-.0079	.0055	.0062
#2	.1509	.8384	.0274	.6631	-.0029	-.0016	.0050	.0051

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	.1216	.0521	.0103	.0110	F-.0083	.0009	-.0025	2.822
Stddev	.0008	.0002	.0000	.0005	.0013	.0002	.0007	.001
%RSD	.6925	.3994	.1819	4.556	15.12	18.91	27.55	.0500
#1	.1222	.0520	.0103	.0107	-.0092	.0010	-.0020	2.823
#2	.1210	.0523	.0103	.0114	-.0074	.0008	-.0029	2.821

Elem	Zr3391
Avg	.0004
Stddev	.0001
%RSD	20.51
#1	.0004
#2	.0005

Zoom In Zoom Out

Sample Name: MC23230-2 Acquired: 8/7/2013 16:42:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1389.9	54781.	10725.
Stddev	2.5	117.	196.
%RSD	.18218	.21288	1.8229
#1	1391.7	54699.	10587.
#2	1388.1	54863.	10863.

Zoom In Zoom Out

Sample Name: MC23230-3 Acquired: 8/7/2013 16:46:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0004	.5196	.0018	.0018	.5969	.1611	.0000	6.776
Stddev	.0002	.0029	.0011	.0006	.0005	.0008	.000	.020
%RSD	42.28	.5658	59.90	30.56	.0857	.4826	3168.	.2979
#1	.0006	.5217	.0025	.0014	.5966	.1617	.0000	6.791
#2	.0003	.5175	.0010	.0022	.5973	.1606	-.0001	6.762

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0018	.0006	.0123	.8035	2.522	2.509	.3811	.0656
Stddev	.0002	.0001	.0000	.0015	.009	.015	.0227	.0003
%RSD	12.81	13.89	.2576	.1881	.3762	.5838	5.967	.4880
#1	.0020	.0005	.0124	.8024	2.515	2.520	.3972	.0653
#2	.0017	.0006	.0123	.8046	2.528	2.499	.3651	.0658

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.2324	4.327	.0301	.5463	-.0019	-.0080	.0111	.0054
Stddev	.0000	.035	.0002	.0015	.0010	.0051	.0004	.0003
%RSD	.0092	.8054	.5063	.2670	50.58	63.41	3.992	5.081
#1	.2324	4.351	.0302	.5474	-.0012	-.0044	.0108	.0052
#2	.2324	4.302	.0300	.5453	-.0026	-.0116	.0115	.0056

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	.2879	.0546	.0092	.0303	F-.0062	.0014	-.0001	2.881
Stddev	.0012	.0003	.0000	.0004	.0018	.0003	.0035	.007
%RSD	.4252	.5887	.4742	1.342	29.02	22.93	5498.	.2476
#1	.2888	.0548	.0093	.0300	-.0075	.0016	-.0025	2.876
#2	.2870	.0544	.0092	.0306	-.0049	.0011	.0024	2.886

Elem	Zr3391
Avg	.0008
Stddev	.0000
%RSD	4.537
#1	.0007
#2	.0008

Zoom In Zoom Out

Sample Name: MC23230-3 Acquired: 8/7/2013 16:46:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1389.1	54792.	10667.
Stddev	3.6	131.	6.
%RSD	.25665	.23900	.06082
#1	1391.6	54700.	10672.
#2	1386.5	54885.	10663.

Zoom In Zoom Out

Sample Name: MC23172-16 Acquired: 8/7/2013 16:50:40 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	153.4	.0877	-.0015	.1743	.5469	.0084	367.8	.0036	.1274
Stddev	.0003	.2	.0001	.0004	.0000	.0014	.0001	.7	.0002	.0000
%RSD	59.04	.1235	.1041	23.11	.0159	.2626	.8383	.1990	5.510	.0231
#1	-.0003	153.6	.0876	-.0013	.1743	.5479	.0085	367.3	.0035	.1274
#2	-.0008	153.3	.0878	-.0018	.1743	.5459	.0084	368.3	.0038	.1274

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2182	.2435	217.0	33.20	131.0	2.604	.0303	1.174	.3083	.1220
Stddev	.0021	.0036	.4	.02	.3	.007	.0001	.006	.0002	.0010
%RSD	.9600	1.479	.2054	.0721	.2066	.2596	.2475	.5460	.0777	.7983
#1	.2167	.2409	217.3	33.18	131.2	2.609	.0303	1.170	.3084	.1227
#2	.2197	.2460	216.7	33.21	130.8	2.599	.0304	1.179	.3081	.1213

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0298	-.0027	.0002	-.0014	5.381	.0078	.4642	1.050	.0064	.3283
Stddev	.0003	.0019	.0006	.0012	.006	.0010	.0002	.002	.0030	.0035
%RSD	.8686	71.59	265.7	83.36	.1137	12.59	.0398	.1908	45.89	1.059
#1	-.0299	-.0040	-.0002	-.0006	5.386	.0085	.4643	1.051	.0044	.3258
#2	-.0296	-.0013	.0007	-.0022	5.377	.0071	.4640	1.048	.0085	.3307

Elem	W_2397	Zn2062	Zr3391
Avg	-.0037	.5782	.1024
Stddev	.0055	.0005	.0015
%RSD	149.4	.0885	1.508
#1	-.0076	.5786	.1013
#2	.0002	.5778	.1035

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1451.1	58693.	11952.
Stddev	2.0	247.	21.
%RSD	.13917	.42104	.17354
#1	1449.7	58518.	11966.
#2	1452.5	58868.	11937.

Zoom In Zoom Out

Sample Name: MC23251-3A Acquired: 8/7/2013 16:55:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	39.96	.0110	-.0020	.0161	.1815	.0019	6.158	.0003	.0415
Stddev	.0001	.74	.0011	.0006	.0003	.0030	.0000	.045	.0001	.0002
%RSD	37.17	1.861	9.829	31.46	1.659	1.666	.3173	.7384	22.74	.4758
#1	-.0002	39.44	.0118	-.0016	.0163	.1794	.0019	6.126	.0002	.0414
#2	-.0004	40.49	.0103	-.0025	.0159	.1837	.0019	6.190	.0003	.0417

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0619	.0578	66.23	7.622	15.02	2.516	.0013	.4516	.0977	.0248
Stddev	.0012	.0011	1.25	.071	.13	.004	.0002	.0069	.0002	.0013
%RSD	1.873	1.911	1.889	.9373	.8942	.1555	19.07	1.520	.2350	5.154
#1	.0611	.0570	65.35	7.571	14.93	2.513	.0014	.4468	.0976	.0239
#2	.0628	.0586	67.12	7.672	15.12	2.519	.0011	.4565	.0979	.0257

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0021	.0058	-.0002	-.0005	1.691	.0028	.0385	2.865	-.0012	.1007
Stddev	.0017	.0013	.0008	.0010	.002	.0001	.0002	.000	.0013	.0005
%RSD	77.63	21.92	370.3	218.0	.0905	2.959	.6138	.0004	108.3	.5414
#1	-.0033	.0049	.0003	-.0012	1.692	.0028	.0384	2.865	-.0003	.1003
#2	-.0010	.0066	-.0008	.0002	1.690	.0029	.0387	2.865	-.0022	.1011

Elem	W_2397	Zn2062	Zr3391
Avg	-.0053	.1331	.0094
Stddev	.0021	.0001	.0001
%RSD	40.47	.0706	.8573
#1	-.0038	.1331	.0094
#2	-.0068	.1332	.0093

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1426.6	56924.	11175.
Stddev	4.9	323.	232.
%RSD	.34506	.56669	2.0756
#1	1423.1	57152.	11339.
#2	1430.1	56696.	11011.

Zoom In Zoom Out

Sample Name: MC23251-4A Acquired: 8/7/2013 16:59:20 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	37.34	.0102	-.0011	.0098	.1809	.0017	9.666	.0004	.0334
Stddev	.0001	.27	.0007	.0000	.0003	.0012	.0001	.080	.0001	.0002
%RSD	55.97	.7118	6.455	4.243	3.067	.6371	6.043	.8280	16.80	.6920
#1	-.0002	37.52	.0107	-.0011	.0100	.1817	.0018	9.722	.0003	.0332
#2	-.0001	37.15	.0098	-.0011	.0095	.1801	.0016	9.609	.0004	.0336

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0584	.0525	64.68	7.317	13.54	1.679	.0008	.5503	.0770	.0288
Stddev	.0003	.0006	.40	.103	.22	.007	.0002	.0015	.0004	.0008
%RSD	.5190	1.232	.6202	1.407	1.615	.4321	23.08	.2649	.5245	2.704
#1	.0582	.0521	64.97	7.389	13.70	1.674	.0007	.5513	.0767	.0282
#2	.0586	.0530	64.40	7.244	13.39	1.684	.0009	.5493	.0773	.0293

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0036	.0072	.0010	.0005	2.083	.0025	.0421	2.829	-.0010	.0991
Stddev	.0014	.0043	.0006	.0003	.004	.0001	.0004	.010	.0002	.0021
%RSD	40.76	59.69	62.56	50.19	.1952	4.036	.9669	.3562	16.15	2.109
#1	-.0046	.0042	.0014	.0003	2.086	.0026	.0424	2.822	-.0009	.0976
#2	-.0025	.0103	.0005	.0007	2.080	.0025	.0418	2.836	-.0012	.1006

Elem	W_2397	Zn2062	Zr3391
Avg	-.0001	.1357	.0102
Stddev	.0017	.0002	.0002
%RSD	1700.	.1434	2.234
#1	.0011	.1356	.0103
#2	-.0013	.1358	.0100

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1431.2	57508.	11131.
Stddev	.1	190.	4.
%RSD	.00468	.33063	.03696
#1	1431.2	57643.	11134.
#2	1431.3	57374.	11128.

Zoom In Zoom Out

Sample Name: MC23256-1 Acquired: 8/7/2013 17:03:39 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	117.1	.0217	-.0045	.2356	1.153	.0088	192.2	.0015	.1194
Stddev	.0002	.7	.0016	.0017	.0011	.005	.0001	1.2	.0002	.0002
%RSD	878.5	.5671	7.345	37.41	.4713	.4408	.8628	.6311	14.66	.1336
#1	-.0001	117.5	.0206	-.0057	.2363	1.157	.0088	193.1	.0017	.1195
#2	.0002	116.6	.0228	-.0033	.2348	1.150	.0089	191.4	.0014	.1193

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2732	3.260	206.1	32.31	78.69	5.679	.0040	4.539	.2649	.1272
Stddev	.0036	.012	1.4	.27	.43	.036	.0003	.035	.0002	.0000
%RSD	1.315	.3529	.6837	.8365	.5527	.6338	8.500	.7609	.0902	.0292
#1	.2707	3.252	207.1	32.50	78.99	5.705	.0037	4.564	.2647	.1272
#2	.2758	3.268	205.1	32.12	78.38	5.654	.0042	4.515	.2651	.1273

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0149	.0158	.0002	-.0032	4.230	.0113	.4527	3.947	.0029	.2969
Stddev	.0018	.0031	.0001	.0006	.000	.0003	.0020	.010	.0010	.0025
%RSD	12.23	19.77	28.12	18.88	.0030	2.696	.4363	.2565	36.79	.8300
#1	-.0136	.0136	.0002	-.0027	4.230	.0111	.4541	3.939	.0021	.2951
#2	-.0162	.0181	.0002	-.0036	4.230	.0115	.4513	3.954	.0036	.2986

Elem	W_2397	Zn2062	Zr3391
Avg	-.0026	1.521	.0624
Stddev	.0104	.002	.0012
%RSD	394.4	.1010	1.942
#1	.0047	1.522	.0616
#2	-.0100	1.520	.0633

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1482.1	60023.	11809.
Stddev	4.5	101.	178.
%RSD	.30350	.16836	1.5041
#1	1478.9	59952.	11684.
#2	1485.3	60095.	11935.

Zoom In Zoom Out

Sample Name: MC23218-3 Acquired: 8/7/2013 17:08:01 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0010	97.49	.1294	-.0017	.0297	.4646	.0051	5.365	.0031	.0905
Stddev	.0003	.07	.0001	.0010	.0006	.0000	.0001	.062	.0002	.0009
%RSD	31.41	.0729	.0924	58.77	1.966	.0017	2.847	1.157	5.309	.9682
#1	-.0008	97.44	.1293	-.0010	.0301	.4646	.0052	5.409	.0030	.0911
#2	-.0013	97.54	.1295	-.0025	.0293	.4646	.0050	5.321	.0032	.0899

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1134	.2126	218.0	8.507	19.60	3.037	.0212	.4333	.1852	.5109
Stddev	.0012	.0001	.0	.057	.24	.018	.0004	.0009	.0015	.0045
%RSD	1.088	.0694	.0177	.6702	1.204	.5981	2.082	.2040	.8095	.8847
#1	.1143	.2125	218.0	8.547	19.77	3.050	.0215	.4339	.1863	.5141
#2	.1125	.2127	217.9	8.466	19.44	3.024	.0209	.4327	.1842	.5077

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0043	.0014	.0001	.0006	4.908	.0058	.0679	1.717	.0010	.2077
Stddev	.0002	.0007	.0007	.0000	.021	.0004	.0007	.009	.0004	.0025
%RSD	5.130	51.09	1282.	3.888	.4179	6.240	1.039	.5540	44.77	1.223
#1	-.0044	.0019	-.0005	.0006	4.923	.0061	.0684	1.724	.0013	.2095
#2	-.0041	.0009	.0006	.0006	4.894	.0056	.0674	1.710	.0007	.2059

Elem	W_2397	Zn2062	Zr3391
Avg	-.0003	.6801	.0557
Stddev	.0028	.0011	.0009
%RSD	853.2	.1588	1.560
#1	-.0023	.6808	.0564
#2	.0016	.6793	.0551

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1494.4	59770.	11659.
Stddev	2.3	732.	30.
%RSD	.15268	1.2247	.25903
#1	1492.8	59253.	11681.
#2	1496.0	60288.	11638.

Zoom In Zoom Out

Sample Name: MC23218-4 Acquired: 8/7/2013 17:12:17 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0010	83.25	.0855	-.0037	.0726	.6853	.0051	259.6	.0038	.0897
Stddev	.0001	.60	.0003	.0012	.0005	.0058	.0000	2.7	.0000	.0001
%RSD	13.27	.7236	.3462	32.24	.6448	.8512	.2868	1.025	.1038	.1541
#1	-.0009	82.83	.0858	-.0028	.0723	.6812	.0051	257.8	.0039	.0896
#2	-.0010	83.68	.0853	-.0045	.0729	.6895	.0051	261.5	.0038	.0898

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1303	.1941	180.0	12.75	140.5	4.154	.0206	3.554	.2251	.1053
Stddev	.0004	.0011	1.5	.16	1.4	.005	.0001	.039	.0010	.0003
%RSD	.2961	.5806	.8301	1.232	.9775	.1310	.3474	1.094	.4290	.2430
#1	.1300	.1933	178.9	12.64	139.5	4.150	.0207	3.526	.2244	.1055
#2	.1306	.1948	181.0	12.86	141.5	4.158	.0205	3.581	.2258	.1051

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0187	.0084	.0002	-.0031	6.514	.0039	.3457	1.438	.0023	.1969
Stddev	.0006	.0060	.0006	.0001	.014	.0007	.0033	.001	.0007	.0001
%RSD	3.056	71.31	274.9	3.026	.2179	18.90	.9450	.0435	32.03	.0658
#1	-.0191	.0042	-.0002	-.0032	6.504	.0044	.3434	1.438	.0018	.1969
#2	-.0183	.0127	.0006	-.0031	6.524	.0033	.3480	1.437	.0029	.1968

Elem	W_2397	Zn2062	Zr3391
Avg	-.0053	.5801	.0700
Stddev	.0029	.0010	.0010
%RSD	54.64	.1712	1.363
#1	-.0074	.5794	.0693
#2	-.0033	.5808	.0706

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1441.5	57994.	11515.
Stddev	.6	52.	77.
%RSD	.04373	.08996	.66771
#1	1442.0	57957.	11569.
#2	1441.1	58031.	11460.

Zoom In Zoom Out

Sample Name: MC23218-5 Acquired: 8/7/2013 17:16:44 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	94.99	.0791	-.0019	.0298	.9371	.0063	8.534	.0029	.0842
Stddev	.0004	.18	.0023	.0022	.0000	.0016	.0002	.002	.0002	.0004
%RSD	61.99	.1894	2.908	117.9	.0223	.1689	2.591	.0195	6.056	.4165
#1	-.0004	94.86	.0775	-.0003	.0298	.9360	.0064	8.532	.0027	.0845
#2	-.0010	95.11	.0808	-.0035	.0298	.9382	.0061	8.535	.0030	.0840

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1090	.1469	155.8	8.969	15.38	2.680	.0124	.5212	.1602	.0974
Stddev	.0017	.0022	.1	.053	.14	.004	.0000	.0107	.0002	.0008
%RSD	1.576	1.502	.0491	.5910	.9116	.1605	.0527	2.058	.1229	.8715
#1	.1102	.1484	155.7	9.007	15.48	2.683	.0124	.5136	.1603	.0968
#2	.1078	.1453	155.8	8.932	15.28	2.677	.0124	.5288	.1600	.0980

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0026	.0014	-.0003	.0018	7.246	.0057	.0587	1.240	-.0002	.1833
Stddev	.0005	.0036	.0001	.0005	.018	.0004	.0007	.002	.0022	.0015
%RSD	19.05	251.1	33.19	28.06	.2491	6.680	1.209	.1959	1428.	.8033
#1	-.0023	-.0011	-.0003	.0021	7.234	.0054	.0592	1.241	-.0017	.1843
#2	-.0030	.0039	-.0004	.0014	7.259	.0059	.0582	1.238	.0014	.1823

Elem	W_2397	Zn2062	Zr3391
Avg	-.0091	.4863	.0348
Stddev	.0072	.0010	.0012
%RSD	78.55	.2114	3.455
#1	-.0041	.4856	.0357
#2	-.0142	.4870	.0340

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1612.1	64440.	12638.
Stddev	.9	177.	17.
%RSD	.05380	.27480	.13751
#1	1612.7	64315.	12650.
#2	1611.5	64565.	12625.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 17:21:00 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2477	10.02	2.021	-.0025	2.053	1.870	1.908	9.732	2.032	2.096
Stddev	.0000	.15	.005	.0006	.007	.020	.019	.081	.006	.008
%RSD	.0007	1.452	.2634	24.64	.3333	1.059	.9970	.8358	.3183	.3623
#1	.2477	9.917	2.024	-.0030	2.058	1.856	1.895	9.674	2.037	2.101
#2	.2477	10.12	2.017	-.0021	2.048	1.884	1.922	9.790	2.027	2.090

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.960	2.011	9.408	9.646	9.194	2.001	2.015	9.995	1.942	1.949
Stddev	.000	.000	.141	.161	.014	.003	.005	.105	.004	.005
%RSD	.0192	.0124	1.504	1.673	.1567	.1383	.2726	1.050	.2247	.2362
#1	1.961	2.011	9.308	9.532	9.184	2.003	2.019	9.921	1.945	1.952
#2	1.960	2.011	9.508	9.760	9.204	1.999	2.011	10.07	1.939	1.946

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0001	-.0025	2.027	2.019	.1438	2.005	1.986	1.989	2.033	2.014
Stddev	.0007	.0042	.006	.008	.0012	.004	.020	.002	.004	.001
%RSD	754.6	169.9	.2967	.3939	.8087	.2165	1.002	.0785	.1741	.0501
#1	.0004	-.0054	2.031	2.025	.1446	2.008	1.972	1.990	2.036	2.015
#2	-.0006	.0005	2.022	2.013	.1430	2.002	2.000	1.988	2.031	2.014

Elem	W_2397	Zn2062	Zr3391
Avg	-.0003	1.934	.0011
Stddev	.0038	.007	.0009
%RSD	1433.	.3470	78.67
#1	-.0029	1.939	.0017
#2	.0024	1.929	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1362.5	54049.	10623.
Stddev	5.0	125.	166.
%RSD	.36721	.23131	1.5667
#1	1359.0	53961.	10740.
#2	1366.1	54138.	10505.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 17:25:12 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	-.0023	.0011	.0003	.0045	-.0002	.0001	-.0012	.0001	.0003
Stddev	.0008	.0081	.0007	.0011	.0012	.0000	.0000	.0009	.0000	.0000
%RSD	232.2	354.4	63.04	357.3	27.38	1.831	28.28	78.34	8.623	10.96
#1	.0002	.0035	.0016	-.0005	.0054	-.0002	.0001	-.0005	.0001	.0003
#2	-.0009	-.0081	.0006	.0011	.0036	-.0002	.0002	-.0018	.0001	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	-.0004	.0003	.0477	-.0366	.0000	.0024	.0013	-.0001	.0016
Stddev	.0005	.0006	.0001	.0073	.0005	.0001	.0006	.0099	.0002	.0007
%RSD	154.1	135.4	24.89	15.23	1.273	113.6	26.58	755.9	179.4	43.98
#1	-.0007	-.0009	.0002	.0426	-.0363	.0001	.0029	-.0057	-.0003	.0021
#2	.0000	.0000	.0003	.0528	-.0369	.0000	.0020	.0083	.0000	.0011

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0016	-.0089	.0017	.0007	.0102	.0008	.0000	.0002	.0006	.0004
Stddev	.0009	.0014	.0007	.0001	.0003	.0001	.000	.0003	.0029	.0000
%RSD	55.75	16.10	39.63	20.79	2.514	10.30	141.9	134.7	503.0	8.171
#1	-.0022	-.0099	.0012	.0006	.0104	.0009	.0000	.0004	-.0015	.0004
#2	-.0009	-.0079	.0021	.0008	.0101	.0008	-.0001	.0000	.0026	.0004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0038	.0002	.0000
Stddev	.0007	.0002	.0001
%RSD	19.45	111.2	171.6
#1	-.0033	.0000	.0000
#2	-.0043	.0004	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1377.8	54805.	10550.
Stddev	1.7	221.	248.
%RSD	.12653	.40393	2.3553
#1	1379.0	54961.	10725.
#2	1376.5	54648.	10374.

Zoom In Zoom Out

Sample Name: MC23218-6 Acquired: 8/7/2013 17:29:36 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	96.11	.1231	-.0054	.0828	.6280	.0058	176.5	.0045	.1050
Stddev	.0002	.55	.0023	.0017	.0000	.0021	.0000	1.2	.0002	.0002
%RSD	32.11	.5765	1.829	31.64	.0174	.3281	.1370	.6769	4.517	.2331
#1	-.0008	95.72	.1247	-.0066	.0828	.6266	.0058	175.6	.0046	.1052
#2	-.0005	96.51	.1216	-.0042	.0828	.6295	.0058	177.3	.0043	.1048

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1390	.2180	220.9	14.92	91.22	5.009	.0284	1.604	.2529	.1201
Stddev	.0006	.0031	1.4	.19	.95	.040	.0003	.028	.0000	.0002
%RSD	.4646	1.404	.6354	1.252	1.042	.8035	1.182	1.720	.0151	.1529
#1	.1385	.2158	219.9	14.79	90.55	4.980	.0287	1.584	.2529	.1200
#2	.1394	.2202	221.8	15.06	91.90	5.037	.0282	1.623	.2529	.1203

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0140	.0054	.0014	-.0017	7.064	.0057	.2657	1.494	.0009	.2161
Stddev	.0015	.0009	.0005	.0005	.007	.0002	.0009	.001	.0017	.0022
%RSD	10.54	16.97	33.91	27.39	.0965	3.246	.3400	.0478	193.0	.9982
#1	-.0130	.0060	.0010	-.0013	7.069	.0058	.2651	1.494	.0020	.2146
#2	-.0151	.0047	.0017	-.0020	7.059	.0055	.2663	1.493	-.0003	.2176

Elem	W_2397	Zn2062	Zr3391
Avg	-.0021	.6585	.0671
Stddev	.0077	.0008	.0013
%RSD	359.2	.1231	1.878
#1	-.0076	.6590	.0662
#2	.0033	.6579	.0680

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1470.1	59312.	11624.
Stddev	3.2	93.	191.
%RSD	.21713	.15601	1.6396
#1	1467.8	59378.	11759.
#2	1472.4	59247.	11490.

Zoom In Zoom Out

Sample Name: MC23218-7 Acquired: 8/7/2013 17:33:58 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	86.70	.1047	-.0033	.0306	.4584	.0046	36.76	.0035	.0794
Stddev	.0000	.35	.0013	.0015	.0003	.0030	.0001	.21	.0001	.0001
%RSD	1.251	.3998	1.234	45.09	.8773	.6600	1.521	.5665	2.350	.1829
#1	-.0006	86.45	.1038	-.0043	.0304	.4562	.0045	36.62	.0034	.0795
#2	-.0006	86.94	.1056	-.0022	.0308	.4605	.0046	36.91	.0035	.0793

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1078	.1997	189.3	8.003	35.62	3.298	.0190	.5575	.1744	.1176
Stddev	.0028	.0042	.9	.065	.10	.074	.0000	.0078	.0013	.0008
%RSD	2.616	2.122	.4765	.8138	.2898	2.241	.1860	1.401	.7479	.6837
#1	.1058	.1967	188.7	7.957	35.54	3.246	.0190	.5519	.1735	.1181
#2	.1098	.2027	190.0	8.049	35.69	3.350	.0189	.5630	.1753	.1170

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0050	.0056	.0002	-.0006	3.905	.0047	.0852	1.372	-.0002	.1920
Stddev	.0010	.0022	.0007	.0010	.001	.0004	.0009	.030	.0004	.0028
%RSD	20.76	40.07	425.6	168.8	.0353	7.473	1.058	2.166	193.6	1.465
#1	-.0058	.0071	-.0003	.0001	3.906	.0045	.0846	1.351	.0001	.1901
#2	-.0043	.0040	.0007	-.0013	3.904	.0050	.0859	1.393	-.0004	.1940

Elem	W_2397	Zn2062	Zr3391
Avg	.0075	.6598	.0671
Stddev	.0045	.0005	.0019
%RSD	59.14	.0804	2.858
#1	.0107	.6602	.0657
#2	.0044	.6594	.0684

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1486.2	60545.	11616.
Stddev	2.5	1097.	3.
%RSD	.16564	1.8118	.02956
#1	1488.0	61321.	11614.
#2	1484.5	59770.	11619.

Zoom In Zoom Out

Sample Name: MC23218-8 Acquired: 8/7/2013 17:38:17 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0011	92.89	.1315	-.0058	.0760	3.999	.0057	118.7	.0041	.1008
Stddev	.0002	1.07	.0004	.0009	.0001	.042	.0001	1.4	.0001	.0002
%RSD	19.80	1.151	.3321	15.49	.1821	1.038	1.124	1.171	3.490	.2343
#1	-.0013	92.13	.1319	-.0052	.0759	3.970	.0057	117.7	.0042	.1010
#2	-.0010	93.65	.1312	-.0065	.0761	4.029	.0058	119.7	.0040	.1007

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1364	.3088	220.6	14.78	68.70	4.134	.0252	.6225	.2642	.1342
Stddev	.0017	.0004	2.3	.21	.91	.006	.0003	.0054	.0000	.0007
%RSD	1.243	.1203	1.048	1.436	1.331	.1574	1.328	.8682	.0077	.5241
#1	.1376	.3085	218.9	14.63	68.06	4.130	.0249	.6186	.2642	.1337
#2	.1352	.3090	222.2	14.93	69.35	4.139	.0254	.6263	.2642	.1347

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0099	.0095	.0005	-.0017	5.011	.0067	2.888	1.327	.0001	.2128
Stddev	.0022	.0003	.0001	.0008	.009	.0007	.011	.000	.0004	.0019
%RSD	21.90	3.662	9.872	44.14	.1787	10.01	.3837	.0299	416.8	.8712
#1	-.0114	.0092	.0006	-.0023	5.004	.0072	2.896	1.328	.0004	.2141
#2	-.0084	.0097	.0005	-.0012	5.017	.0062	2.880	1.327	-.0002	.2114

Elem	W_2397	Zn2062	Zr3391
Avg	.0069	.6674	.0784
Stddev	.0004	.0003	.0009
%RSD	6.456	.0381	1.134
#1	.0066	.6675	.0790
#2	.0073	.6672	.0778

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1481.4	60523.	11787.
Stddev	5.5	225.	155.
%RSD	.36927	.37177	1.3159
#1	1477.6	60364.	11897.
#2	1485.3	60682.	11678.

Zoom In Zoom Out

Sample Name: MC23218-9 Acquired: 8/7/2013 17:42:41 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0010	75.19	.1128	-.0032	.0421	.3746	.0045	66.41	.0041	.0810
Stddev	.0001	.36	.0020	.0010	.0009	.0016	.0001	.22	.0000	.0005
%RSD	8.101	.4806	1.780	32.96	2.196	.4247	2.264	.3347	.8108	.6122
#1	-.0009	75.45	.1114	-.0024	.0428	.3757	.0046	66.56	.0041	.0813
#2	-.0010	74.94	.1143	-.0039	.0415	.3734	.0044	66.25	.0041	.0806

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1017	.1886	188.8	8.891	49.48	4.251	.0197	.5453	.1833	.1065
Stddev	.0018	.0025	.7	.050	.11	.008	.0000	.0109	.0002	.0026
%RSD	1.756	1.324	.3692	.5603	.2138	.1872	.0012	1.997	.0966	2.431
#1	.1005	.1868	189.3	8.926	49.41	4.257	.0197	.5376	.1832	.1083
#2	.1030	.1903	188.3	8.856	49.56	4.246	.0197	.5530	.1835	.1046

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0078	.0126	.0014	-.0020	5.882	.0053	.0905	1.376	.0000	.1776
Stddev	.0012	.0038	.0004	.0011	.005	.0006	.0001	.002	.001	.0022
%RSD	14.76	30.06	27.94	56.66	.0887	11.20	.0984	.1296	4971.	1.257
#1	-.0070	.0099	.0017	-.0028	5.885	.0057	.0904	1.375	-.0007	.1760
#2	-.0086	.0153	.0012	-.0012	5.878	.0049	.0905	1.377	.0007	.1792

Elem	W_2397	Zn2062	Zr3391
Avg	.0007	.6178	.0629
Stddev	.0051	.0013	.0008
%RSD	716.6	.2043	1.269
#1	.0043	.6187	.0623
#2	-.0029	.6169	.0635

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1481.6	60097.	11818.
Stddev	3.5	115.	4.
%RSD	.23813	.19062	.03615
#1	1479.1	60178.	11821.
#2	1484.1	60016.	11815.

Zoom In Zoom Out

Sample Name: MC23218-10 Acquired: 8/7/2013 17:47:05 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0005	56.65	.0923	-.0041	.0629	.6887	.0034	F1603.
Stddev	.0007	.35	.0003	.0005	.0004	.0045	.0001	26.
%RSD	123.9	.6121	.2729	12.34	.7107	.6529	3.968	1.594
#1	-.0010	56.41	.0925	-.0038	.0632	.6856	.0033	1584.
#2	-.0001	56.90	.0921	-.0045	.0626	.6919	.0035	1621.

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0053	.0623	.1134	.1358	132.1	11.78	134.5	4.836
Stddev	.0001	.0001	.0002	.0013	.7	.13	.9	.038
%RSD	1.379	.1315	.1957	.9720	.4966	1.117	.6447	.7865
#1	.0054	.0624	.1132	.1367	131.6	11.68	133.9	4.809
#2	.0053	.0623	.1135	.1348	132.6	11.87	135.1	4.863

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0224	1.156	.1757	.1626	F-.0706	.0114	-.0001	.0008
Stddev	.0003	.026	.0000	.0016	.0001	.0012	.0009	.0003
%RSD	1.237	2.238	.0232	.9800	.0922	10.47	1341.	33.37
#1	.0226	1.138	.1757	.1615	-.0705	.0122	-.0007	.0006
#2	.0222	1.174	.1756	.1637	-.0706	.0105	.0006	.0009

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	5.515	.0084	2.542	.6657	.0100	.1844	.0056	.5958
Stddev	.002	.0002	.013	.0005	.0005	.0012	.0015	.0012
%RSD	.0295	2.135	.4935	.0730	5.360	.6279	26.19	.2059
#1	5.516	.0083	2.534	.6654	.0103	.1836	.0067	.5967
#2	5.514	.0085	2.551	.6660	.0096	.1853	.0046	.5950

Elem	Zr3391
Avg	.0526
Stddev	.0000
%RSD	.0752
#1	.0526
#2	.0526

Zoom In Zoom Out

Sample Name: MC23218-10 Acquired: 8/7/2013 17:47:05 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1338.5	54077.	11168.
Stddev	4.3	260.	73.
%RSD	.32492	.48148	.65077
#1	1335.5	54261.	11220.
#2	1341.6	53893.	11117.

Zoom In Zoom Out

Sample Name: MC23218-11 Acquired: 8/7/2013 17:51:32 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0011	77.87	.0380	-.0010	.0238	.7661	.0052	6.684	.0010	.0632
Stddev	.0008	.07	.0011	.0008	.0004	.0004	.0000	.055	.0002	.0004
%RSD	72.55	.0859	2.945	77.68	1.719	.0541	.3592	.8241	19.32	.6631
#1	-.0005	77.82	.0388	-.0016	.0241	.7664	.0051	6.723	.0009	.0629
#2	-.0017	77.92	.0372	-.0005	.0235	.7659	.0052	6.645	.0012	.0634

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0932	.0725	111.9	6.129	11.56	1.627	.0048	.2608	.1159	.0770
Stddev	.0016	.0014	.1	.097	.13	.005	.0001	.0000	.0002	.0005
%RSD	1.674	1.984	.0500	1.585	1.105	.2966	2.500	.0035	.1300	.6724
#1	.0943	.0735	111.9	6.198	11.65	1.631	.0049	.2608	.1160	.0773
#2	.0921	.0715	112.0	6.060	11.47	1.624	.0047	.2608	.1158	.0766

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0012	-.0020	.0000	.0006	4.281	.0053	.0670	1.013	-.0017	.1494
Stddev	.0000	.0009	.0002	.0004	.009	.0000	.0008	.002	.0002	.0028
%RSD	2.858	43.65	462.7	68.63	.1995	.7711	1.154	.1791	12.38	1.856
#1	-.0012	-.0014	-.0001	.0009	4.287	.0054	.0675	1.014	-.0016	.1514
#2	-.0011	-.0026	.0002	.0003	4.275	.0053	.0664	1.012	-.0019	.1475

Elem	W_2397	Zn2062	Zr3391
Avg	-.0062	.3348	.0262
Stddev	.0008	.0002	.0005
%RSD	12.23	.0542	2.055
#1	-.0067	.3349	.0265
#2	-.0056	.3347	.0258

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1544.4	61828.	12036.
Stddev	3.3	226.	35.
%RSD	.21226	.36606	.28732
#1	1546.7	61668.	12060.
#2	1542.1	61988.	12011.

Zoom In Zoom Out

Sample Name: MC23218-12 Acquired: 8/7/2013 17:55:50 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	95.33	.0927	-.0006	.0536	.7763	.0055	34.29	.0041	.0866
Stddev	.0004	1.62	.0009	.0002	.0001	.0131	.0000	.51	.0002	.0003
%RSD	67.06	1.701	.9608	27.47	.1860	1.686	.7177	1.487	5.534	.3348
#1	-.0010	94.18	.0921	-.0007	.0537	.7670	.0055	33.93	.0039	.0864
#2	-.0003	96.47	.0933	-.0005	.0535	.7855	.0055	34.66	.0042	.0868

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1333	.2309	189.1	12.20	26.70	2.638	.0217	.3077	.2035	.2762
Stddev	.0003	.0026	2.8	.14	.38	.009	.0003	.0038	.0011	.0006
%RSD	.2115	1.137	1.496	1.181	1.415	.3223	1.556	1.249	.5369	.2194
#1	.1335	.2291	187.1	12.10	26.43	2.644	.0214	.3050	.2027	.2758
#2	.1331	.2328	191.1	12.31	26.97	2.632	.0219	.3105	.2042	.2766

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0051	.0024	.0015	.0007	4.860	.0116	.1176	1.421	.0010	.2162
Stddev	.0031	.0043	.0009	.0008	.004	.0002	.0020	.004	.0007	.0011
%RSD	59.35	181.5	60.39	123.9	.0860	1.868	1.690	.2623	68.59	.5238
#1	-.0073	-.0007	.0021	.0001	4.857	.0115	.1162	1.423	.0015	.2154
#2	-.0030	.0054	.0008	.0012	4.863	.0118	.1190	1.418	.0005	.2170

Elem	W_2397	Zn2062	Zr3391
Avg	-.0046	.7983	.0738
Stddev	.0020	.0005	.0006
%RSD	42.71	.0650	.7887
#1	-.0032	.7980	.0734
#2	-.0059	.7987	.0742

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1497.8	60477.	11793.
Stddev	3.4	320.	172.
%RSD	.22414	.52872	1.4617
#1	1500.2	60251.	11915.
#2	1495.4	60703.	11672.

Zoom In Zoom Out

Sample Name: MC23218-13 Acquired: 8/7/2013 18:00:07 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0011	73.51	.0301	-.0118	.0188	.5910	.0040	11.30	.0015	.0543
Stddev	.0006	.48	.0015	.0009	.0003	.0050	.0000	.09	.0002	.0000
%RSD	50.29	.6539	5.120	7.909	1.486	.8404	.4352	.7636	14.22	.0817
#1	-.0007	73.85	.0290	-.0111	.0190	.5945	.0040	11.36	.0014	.0543
#2	-.0015	73.17	.0312	-.0124	.0186	.5875	.0040	11.24	.0017	.0543

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0878	.0621	97.37	5.210	10.28	11.81	.0034	.2996	.0991	.0734
Stddev	.0006	.0005	.61	.010	.05	.04	.0001	.0016	.0001	.0025
%RSD	.6467	.7247	.6271	.1867	.4870	.3312	4.027	.5286	.1449	3.404
#1	.0882	.0618	97.80	5.203	10.24	11.78	.0035	.2985	.0993	.0716
#2	.0874	.0624	96.93	5.217	10.32	11.84	.0033	.3007	.0990	.0752

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0052	.0479	-.0011	-.0012	4.330	.0045	.0530	.9516	.0004	.1363
Stddev	.0017	.0006	.0004	.0009	.001	.0004	.0001	.0018	.0004	.0004
%RSD	31.96	1.224	33.93	76.63	.0118	9.855	.2289	.1942	109.8	.2873
#1	-.0064	.0483	-.0014	-.0018	4.330	.0042	.0531	.9530	.0007	.1365
#2	-.0041	.0474	-.0008	-.0005	4.330	.0048	.0529	.9503	.0001	.1360

Elem	W_2397	Zn2062	Zr3391
Avg	-.0041	.2874	.0214
Stddev	.0011	.0009	.0002
%RSD	27.05	.3157	.7762
#1	-.0033	.2868	.0215
#2	-.0048	.2880	.0213

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1527.9	60530.	11783.
Stddev	.7	111.	21.
%RSD	.04285	.18353	.17670
#1	1528.4	60452.	11769.
#2	1527.4	60609.	11798.

Zoom In Zoom Out

Sample Name: MC23218-14 Acquired: 8/7/2013 18:04:29 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	81.28	.0959	-.0028	.0608	.6653	.0050	225.4	.0039	.0950
Stddev	.0006	.15	.0013	.0013	.0001	.0018	.0000	.3	.0001	.0000
%RSD	92.26	.1801	1.347	47.05	.0830	.2639	.7642	.1228	3.458	.0489
#1	-.0011	81.17	.0968	-.0037	.0607	.6641	.0050	225.3	.0039	.0950
#2	-.0002	81.38	.0950	-.0018	.0608	.6666	.0051	225.6	.0040	.0951

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1337	.2021	189.0	11.44	126.6	3.825	.0217	3.539	.2342	.1120
Stddev	.0011	.0024	.2	.04	.0	.011	.0002	.006	.0002	.0005
%RSD	.8176	1.205	.1318	.3402	.0095	.2871	1.046	.1796	.0835	.4481
#1	.1329	.2004	188.9	11.41	126.7	3.833	.0215	3.535	.2343	.1124
#2	.1345	.2039	189.2	11.47	126.6	3.817	.0218	3.544	.2340	.1117

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0183	.0098	.0023	-.0016	3.660	.0051	.3294	1.297	.0017	.1950
Stddev	.0009	.0004	.0018	.0007	.003	.0007	.0017	.002	.0011	.0024
%RSD	5.092	4.155	78.80	44.10	.0759	12.97	.5078	.1642	66.12	1.236
#1	-.0190	.0095	.0036	-.0021	3.662	.0046	.3282	1.295	.0009	.1933
#2	-.0177	.0100	.0010	-.0011	3.658	.0056	.3306	1.298	.0024	.1967

Elem	W_2397	Zn2062	Zr3391
Avg	-.0041	.6008	.0761
Stddev	.0002	.0002	.0022
%RSD	5.933	.0346	2.862
#1	-.0040	.6010	.0746
#2	-.0043	.6007	.0777

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1445.8	58902.	11785.
Stddev	2.2	148.	53.
%RSD	.15236	.25090	.44755
#1	1447.3	59007.	11748.
#2	1444.2	58798.	11822.

Zoom In Zoom Out

Sample Name: MP21457-B1 Acquired: 8/7/2013 18:08:52 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1880	1.963	.5122	.0001	.0030	1.795	.4701	22.89	.4974	.4952
Stddev	.0029	.154	.0040	.0004	.0001	.156	.0409	1.96	.0037	.0038
%RSD	1.559	7.828	.7766	416.0	3.603	8.706	8.710	8.571	.7475	.7707
#1	.1901	1.855	.5094	.0004	.0029	1.685	.4412	21.50	.4948	.4925
#2	.1859	2.072	.5150	-.0002	.0030	1.906	.4991	24.27	.5001	.4979

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4786	.4561	1.814	23.12	22.25	.4609	.0003	23.97	.4611	.9374
Stddev	.0135	.0066	.156	1.81	1.93	.0076	.0001	2.01	.0036	.0055
%RSD	2.812	1.449	8.619	7.816	8.671	1.651	37.99	8.389	.7782	.5875
#1	.4881	.4608	1.704	21.84	20.89	.4662	.0004	22.55	.4585	.9335
#2	.4691	.4514	1.925	24.39	23.62	.4555	.0002	25.39	.4636	.9413

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0024	-.0021	.4880	.4840	.0366	.0057	.4596	.4572	.4847	.4893
Stddev	.0012	.0018	.0049	.0050	.0016	.0002	.0392	.0068	.0027	.0168
%RSD	48.53	85.35	.9950	1.035	4.349	4.067	8.531	1.482	.5514	3.427
#1	-.0016	-.0034	.4846	.4805	.0355	.0058	.4319	.4620	.4828	.5012
#2	-.0033	-.0008	.4914	.4876	.0378	.0055	.4874	.4524	.4866	.4775

Elem	W_2397	Zn2062	Zr3391
Avg	-.0012	.4847	.0059
Stddev	.0021	.0036	.0007
%RSD	169.6	.7344	12.48
#1	-.0027	.4822	.0064
#2	.0002	.4872	.0054

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1373.8	55631.	10575.
Stddev	5.3	827.	720.
%RSD	.38816	1.4869	6.8093
#1	1377.6	55046.	11084.
#2	1370.0	56216.	10066.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 18:13:07 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2497	10.14	2.031	-.0016	2.050	1.896	1.937	9.931	2.033	2.103
Stddev	.0006	.20	.010	.0008	.003	.036	.034	.158	.006	.007
%RSD	.2284	1.927	.4898	51.69	.1616	1.880	1.746	1.595	.2821	.3579
#1	.2493	10.27	2.038	-.0022	2.052	1.921	1.961	10.04	2.037	2.108
#2	.2501	9.999	2.024	-.0010	2.047	1.871	1.913	9.819	2.029	2.098

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.973	2.014	9.598	9.717	9.417	2.012	2.022	10.12	1.953	1.958
Stddev	.002	.001	.181	.147	.140	.002	.005	.17	.005	.005
%RSD	.1173	.0351	1.890	1.518	1.484	.1063	.2519	1.714	.2791	.2353
#1	1.975	2.013	9.726	9.821	9.515	2.014	2.026	10.24	1.957	1.961
#2	1.972	2.014	9.470	9.613	9.318	2.010	2.018	9.995	1.949	1.955

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0013	-.0011	2.036	2.032	.1360	2.020	2.013	2.004	2.039	2.022
Stddev	.0002	.0088	.011	.007	.0029	.007	.038	.002	.001	.002
%RSD	11.82	789.3	.5453	.3506	2.166	.3523	1.898	.0842	.0300	.1195
#1	-.0014	.0051	2.044	2.037	.1381	2.025	2.040	2.005	2.039	2.023
#2	-.0012	-.0073	2.028	2.027	.1340	2.015	1.986	2.003	2.039	2.020

Elem	W_2397	Zn2062	Zr3391
Avg	.0020	1.941	.0016
Stddev	.0072	.009	.0008
%RSD	353.9	.4377	47.45
#1	.0071	1.947	.0022
#2	-.0030	1.935	.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1371.0	54432.	10513.
Stddev	4.3	414.	106.
%RSD	.31301	.75977	1.0064
#1	1368.0	54139.	10439.
#2	1374.1	54724.	10588.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 18:17:20 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0001	.0014	F.0025	.0011	.0047	-.0001	.0001	-.0013	-.0001
Stddev	.0006	.0048	.0010	.0003	.0005	.0003	.0000	.0002	.0001
%RSD	521.1	354.8	41.32	28.32	10.23	473.1	19.82	18.07	106.2
#1	-.0003	-.0020	.0018	.0008	.0050	-.0003	.0001	-.0014	.0000
#2	.0005	.0047	.0033	.0013	.0044	.0001	.0002	-.0011	-.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	-.0004	.0006	-.0022	.0611	-.0353	.0000	.0022	-.0067
Stddev	.0001	.0002	.0008	.0002	.0294	.0207	.000	.0004	.0031
%RSD	50.17	41.10	139.9	7.002	48.12	58.60	3342.	18.88	46.89
#1	.0001	-.0005	.0012	-.0021	.0403	-.0499	.0001	.0025	-.0089
#2	.0003	-.0003	.0000	-.0023	.0818	-.0207	-.0001	.0019	-.0045

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0003	.0010	-.0027	-.0043	.0017	.0018	.0092	.0007	-.0001
Stddev	.0001	.0000	.0008	.0008	.0007	.0003	.0000	.0008	.0000
%RSD	25.37	3.305	30.60	17.70	39.80	15.49	.1815	109.6	.8328
#1	.0003	.0010	-.0021	-.0048	.0022	.0016	.0092	.0013	-.0001
#2	.0002	.0011	-.0033	-.0037	.0013	.0020	.0091	.0002	-.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0001	.0010	.0009	-.0069	.0000	.0001
Stddev	.0003	.0004	.0003	.0018	.0001	.0001
%RSD	188.8	42.88	28.97	25.29	386.7	75.86
#1	-.0003	.0007	.0008	-.0057	.0001	.0001
#2	.0000	.0013	.0011	-.0082	.0000	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1378.0	54374.	10506.
Stddev	2.9	316.	47.
%RSD	.21317	.58140	.44372
#1	1380.1	54597.	10539.
#2	1376.0	54150.	10473.

Zoom In Zoom Out

Sample Name: MP21457-MB1 Acquired: 8/7/2013 18:21:43 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	.0114	-.0002	.0003	.0024	.0000	.0001	.0324	.0001	.0001
Stddev	.0001	.0040	.0006	.0017	.0001	.000	.0000	.0021	.0001	.0002
%RSD	59.58	35.11	320.0	508.0	2.702	16180.	65.58	6.520	183.7	145.6
#1	.0001	.0142	-.0007	-.0009	.0023	-.0001	.0000	.0309	.0000	.0000
#2	.0002	.0086	.0003	.0016	.0024	.0001	.0001	.0339	.0001	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0006	.0011	.0108	.0590	.0007	.0004	.0008	.0422	-.0002	.0015
Stddev	.0004	.0001	.0007	.0282	.0197	.0000	.0002	.0085	.0003	.0009
%RSD	75.11	12.08	6.200	47.82	2949.	3.984	29.24	20.06	199.8	56.15
#1	-.0008	.0012	.0103	.0391	.0146	.0004	.0006	.0482	-.0004	.0021
#2	-.0003	.0010	.0112	.0790	-.0132	.0004	.0010	.0362	.0001	.0009

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0025	-.0014	.0020	.0017	.0388	.0075	.0000	-.0006	-.0031	.0004
Stddev	.0007	.0022	.0002	.0004	.0005	.0001	.000	.0001	.0003	.0000
%RSD	28.11	160.9	8.951	20.30	1.162	.8821	119.0	22.97	8.795	5.105
#1	-.0020	-.0029	.0019	.0015	.0385	.0074	.0000	-.0005	-.0029	.0004
#2	-.0029	.0002	.0021	.0020	.0391	.0075	-.0001	-.0007	-.0033	.0004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0029	.0043	.0001
Stddev	.0022	.0001	.0001
%RSD	76.18	2.670	84.95
#1	-.0044	.0043	.0002
#2	-.0013	.0042	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1382.4	54579.	10587.
Stddev	4.6	271.	207.
%RSD	.33514	.49687	1.9598
#1	1379.1	54771.	10734.
#2	1385.6	54388.	10440.

Zoom In Zoom Out

Sample Name: MP21457-S1 Acquired: 8/7/2013 18:26:08 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1847	60.01	.4975	-.0019	.0564	2.074	.4561	28.11	.4808	.5193
Stddev	.0004	.12	.0014	.0007	.0001	.000	.0013	.12	.0003	.0010
%RSD	.2202	.2006	.2832	37.56	.1394	.0085	.2940	.4275	.0580	.1920
#1	.1850	59.93	.4985	-.0014	.0565	2.074	.4551	28.02	.4806	.5200
#2	.1844	60.10	.4965	-.0024	.0563	2.074	.4570	28.19	.4810	.5186

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5524	.5395	84.63	31.88	42.77	2.548	.0021	24.26	.5213	.9446
Stddev	.0021	.0019	.25	.06	.14	.008	.0001	.05	.0008	.0020
%RSD	.3847	.3563	.2932	.1896	.3315	.3003	4.260	.2194	.1460	.2156
#1	.5509	.5408	84.46	31.83	42.67	2.543	.0020	24.22	.5219	.9460
#2	.5539	.5381	84.81	31.92	42.87	2.553	.0021	24.29	.5208	.9431

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0030	.0090	.2395	.4539	1.701	.0017	.4829	3.016	.4750	.6410
Stddev	.0012	.0007	.0002	.0005	.002	.0009	.0001	.001	.0012	.0003
%RSD	40.58	7.433	.0965	.1076	.1349	51.07	.0251	.0444	.2490	.0536
#1	-.0021	.0095	.2394	.4536	1.703	.0023	.4828	3.017	.4742	.6413
#2	-.0039	.0086	.2397	.4543	1.700	.0011	.4830	3.015	.4758	.6408

Elem	W_2397	Zn2062	Zr3391
Avg	-.0040	.6267	.0205
Stddev	.0033	.0001	.0003
%RSD	84.46	.0112	1.639
#1	-.0063	.6267	.0203
#2	-.0016	.6267	.0207

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1437.9	57691.	11181.
Stddev	.9	400.	150.
%RSD	.06198	.69330	1.3444
#1	1437.3	57973.	11288.
#2	1438.5	57408.	11075.

Zoom In Zoom Out

Sample Name: MP21457-S2 Acquired: 8/7/2013 18:30:22 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1829	77.16	.4916	-.0026	.0596	2.150	.4326	33.81	.4798	.5367
Stddev	.0056	4.94	.0005	.0009	.0004	.135	.0265	2.12	.0003	.0001
%RSD	3.067	6.403	.1086	33.42	.6036	6.283	6.123	6.273	.0530	.0219
#1	.1789	80.65	.4919	-.0032	.0594	2.245	.4513	35.31	.4796	.5368
#2	.1868	73.66	.4912	-.0020	.0599	2.054	.4138	32.31	.4800	.5367

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6094	.6084	109.2	31.85	56.86	3.062	.0015	23.97	.5593	.9445
Stddev	.0138	.0138	6.9	1.80	3.52	.060	.0000	1.41	.0002	.0016
%RSD	2.272	2.274	6.350	5.667	6.200	1.950	.7812	5.886	.0312	.1654
#1	.5996	.5986	114.1	33.12	59.35	3.020	.0015	24.96	.5594	.9456
#2	.6192	.6182	104.3	30.57	54.37	3.104	.0015	22.97	.5592	.9434

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0038	.0048	.2364	.4409	1.661	-.0004	.5117	4.789	.4727	.7068
Stddev	.0036	.0025	.0005	.0029	.003	.0003	.0325	.100	.0013	.0163
%RSD	93.87	51.93	.2035	.6562	.1754	76.49	6.351	2.095	.2696	2.301
#1	-.0013	.0065	.2368	.4429	1.663	-.0005	.5346	4.718	.4736	.6953
#2	-.0064	.0030	.2361	.4388	1.659	-.0002	.4887	4.860	.4718	.7183

Elem	W_2397	Zn2062	Zr3391
Avg	.0033	.6794	.0412
Stddev	.0012	.0006	.0017
%RSD	36.32	.0905	4.246
#1	.0042	.6799	.0399
#2	.0025	.6790	.0424

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1442.3	58127.	11668.
Stddev	.0	971.	599.
%RSD	.00291	1.6708	5.1313
#1	1442.2	58813.	11245.
#2	1442.3	57440.	12092.

Zoom In Zoom Out

Sample Name: MC23213-18 Acquired: 8/7/2013 18:34:36 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	68.30	.0105	-.0005	.0515	.3631	.0036	5.859	.0008	.0507
Stddev	.0006	.50	.0004	.0013	.0001	.0032	.0001	.033	.0000	.0001
%RSD	109.8	.7272	4.272	263.7	.1173	.8692	2.788	.5619	2.950	.1248
#1	-.0001	68.65	.0108	.0004	.0514	.3654	.0037	5.882	.0008	.0508
#2	-.0009	67.94	.0101	-.0014	.0515	.3609	.0035	5.836	.0009	.0507

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0994	.0737	102.9	11.52	26.60	2.952	.0017	1.006	.0968	.0537
Stddev	.0014	.0014	.8	.09	.17	.004	.0001	.001	.0005	.0003
%RSD	1.446	1.948	.7725	.7542	.6495	.1347	4.107	.1160	.5325	.5788
#1	.0984	.0727	103.5	11.58	26.72	2.955	.0017	1.007	.0972	.0539
#2	.1005	.0747	102.4	11.46	26.47	2.949	.0018	1.006	.0965	.0535

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0020	.0065	.0008	-.0001	1.642	.0030	.0415	2.974	.0004	.1861
Stddev	.0004	.0056	.0001	.0009	.003	.0000	.0005	.005	.0005	.0030
%RSD	17.62	86.84	11.84	1156.	.1871	.6246	1.253	.1634	118.2	1.607
#1	-.0023	.0104	.0007	.0006	1.644	.0030	.0418	2.977	.0001	.1839
#2	-.0018	.0025	.0009	-.0007	1.640	.0029	.0411	2.970	.0007	.1882

Elem	W_2397	Zn2062	Zr3391
Avg	-.0001	.2260	.0225
Stddev	.0019	.0002	.0005
%RSD	1639.	.0749	2.333
#1	-.0014	.2258	.0221
#2	.0012	.2261	.0229

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1469.9	58012.	11415.
Stddev	.5	16.	99.
%RSD	.03646	.02723	.86782
#1	1470.2	58001.	11345.
#2	1469.5	58023.	11485.

Zoom In Zoom Out

Sample Name: MP21457-SD1 Acquired: 8/7/2013 18:38:56 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	74.11	.0203	.0010	.0639	.3903	.0039	6.368	.0004	.0553
Stddev	.0003	.98	.0005	.0071	.0001	.0068	.0002	.062	.0012	.0002
%RSD	50.71	1.323	2.474	737.3	.1358	1.739	4.341	.9670	313.3	.3036
#1	-.0003	73.42	.0199	.0059	.0640	.3855	.0040	6.325	-.0005	.0552
#2	-.0007	74.80	.0207	-.0040	.0639	.3951	.0038	6.412	.0012	.0554

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1090	.0794	111.5	12.55	28.73	3.200	.0020	1.066	.1067	.0610
Stddev	.0003	.0016	1.7	.18	.30	.074	.0006	.057	.0000	.0018
%RSD	.2336	2.016	1.553	1.458	1.047	2.322	28.59	5.382	.0220	2.895
#1	.1091	.0805	110.3	12.42	28.51	3.253	.0016	1.026	.1067	.0598
#2	.1088	.0782	112.8	12.68	28.94	3.147	.0024	1.107	.1067	.0623

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0147	.0045	.0028	.0041	1.831	.0031	.0438	3.207	-.0121	.2030
Stddev	.0119	.0065	.0058	.0032	.014	.0002	.0006	.083	.0021	.0037
%RSD	80.83	146.1	208.2	77.57	.7787	5.299	1.258	2.594	16.96	1.812
#1	-.0231	-.0001	-.0013	.0019	1.841	.0032	.0434	3.265	-.0107	.2056
#2	-.0063	.0091	.0068	.0064	1.821	.0029	.0442	3.148	-.0136	.2004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0128	.2497	.0281
Stddev	.0014	.0007	.0001
%RSD	10.66	.2684	.3609
#1	-.0138	.2501	.0282
#2	-.0118	.2492	.0280

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1382.6	55503.	10750.
Stddev	8.2	1261.	33.
%RSD	.59072	2.2714	.30445
#1	1376.9	54611.	10773.
#2	1388.4	56394.	10727.

Zoom In Zoom Out

Sample Name: MP21457-B2 Acquired: 8/7/2013 18:43:16 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2008	2.013	.5221	.0003	.0037	1.862	.4868	23.60	.5092	.5095
Stddev	.0013	.027	.0005	.0009	.0004	.009	.0035	.24	.0002	.0008
%RSD	.6359	1.323	.0951	258.9	10.28	.4939	.7288	1.008	.0381	.1475
#1	.1999	1.994	.5225	-.0003	.0040	1.855	.4843	23.43	.5093	.5090
#2	.2017	2.031	.5218	.0009	.0034	1.868	.4893	23.77	.5091	.5100

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5030	.4822	1.861	23.82	22.83	.4870	.0006	24.75	.4738	.9641
Stddev	.0027	.0010	.009	.20	.24	.0006	.0002	.19	.0001	.0014
%RSD	.5343	.1973	.4741	.8501	1.031	.1308	35.78	.7642	.0153	.1433
#1	.5011	.4829	1.855	23.68	22.66	.4874	.0004	24.61	.4738	.9650
#2	.5049	.4815	1.867	23.96	22.99	.4865	.0007	24.88	.4737	.9631

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0027	-.0024	.5009	.4942	.0398	.0059	.4749	.4840	.4992	.5188
Stddev	.0005	.0024	.0014	.0012	.0008	.0004	.0028	.0009	.0013	.0112
%RSD	20.33	102.7	.2786	.2475	2.077	6.444	.5850	.1791	.2587	2.168
#1	-.0023	-.0006	.5019	.4934	.0404	.0062	.4730	.4846	.4983	.5109
#2	-.0031	-.0041	.4999	.4951	.0392	.0057	.4769	.4834	.5002	.5268

Elem	W_2397	Zn2062	Zr3391
Avg	.0012	.4954	.0048
Stddev	.0009	.0001	.0002
%RSD	72.28	.0147	3.753
#1	.0006	.4955	.0049
#2	.0018	.4954	.0046

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1357.9	53791.	10421.
Stddev	2.2	119.	189.
%RSD	.15959	.22150	1.8144
#1	1356.4	53707.	10555.
#2	1359.5	53876.	10288.

Zoom In Zoom Out

Sample Name: MP21457-LC1 Acquired: 8/7/2013 18:47:31 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.3586	97.14	.9880	-.0032	1.117	1.660	.5280	59.70	.6554	1.090
Stddev	.0006	.24	.0041	.0011	.003	.005	.0004	.06	.0021	.001
%RSD	.1756	.2461	.4162	35.93	.2257	.3113	.0765	.0980	.3278	.1192
#1	.3590	97.31	.9909	-.0024	1.119	1.664	.5283	59.74	.6569	1.091
#2	.3581	96.97	.9851	-.0040	1.116	1.656	.5277	59.66	.6539	1.089

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.7289	.7970	122.3	38.85	29.80	3.095	.4343	6.666	.5871	.9422
Stddev	.0025	.0016	.1	.00	.02	.003	.0003	.013	.0022	.0031
%RSD	.3427	.1949	.0697	.0032	.0650	.0893	.0635	.1909	.3832	.3336
#1	.7271	.7981	122.4	38.85	29.82	3.097	.4345	6.675	.5886	.9444
#2	.7306	.7959	122.2	38.85	29.79	3.093	.4341	6.657	.5855	.9400

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0050	.0055	.8306	1.681	1.714	1.070	.7006	2.249	1.298	.5934
Stddev	.0006	.0019	.0005	.003	.004	.002	.0013	.001	.004	.0002
%RSD	12.59	34.01	.0546	.2007	.2374	.1517	.1922	.0535	.3211	.0413
#1	-.0046	.0042	.8303	1.683	1.717	1.071	.7016	2.250	1.295	.5936
#2	-.0055	.0068	.8309	1.679	1.711	1.069	.6997	2.248	1.301	.5933

Elem	W_2397	Zn2062	Zr3391
Avg	-.0008	1.393	.0754
Stddev	.0020	.003	.0006
%RSD	248.2	.2290	.7418
#1	-.0023	1.395	.0750
#2	.0006	1.390	.0758

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1468.4	59039.	11561.
Stddev	4.1	18.	75.
%RSD	.27926	.03023	.64876
#1	1465.5	59026.	11614.
#2	1471.3	59051.	11508.

Zoom In Zoom Out

Sample Name: MC23213-1 Acquired: 8/7/2013 18:51:44 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	160.8	.0236	-.0012	.1496	.5069	.0050	33.20	.0018	.0879
Stddev	.0003	2.2	.0008	.0015	.0013	.0076	.0000	.45	.0000	.0001
%RSD	161.2	1.347	3.525	131.4	.8395	1.507	.4430	1.352	2.756	.1580
#1	-.0004	162.3	.0242	-.0022	.1505	.5123	.0049	33.52	.0018	.0880
#2	.0000	159.2	.0230	-.0001	.1487	.5015	.0050	32.89	.0018	.0878

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1562	.3870	173.6	9.565	41.76	3.086	.0096	5.283	.1252	.2396
Stddev	.0014	.0018	2.4	.156	.28	.010	.0001	.080	.0003	.0006
%RSD	.8873	.4758	1.358	1.627	.6727	.3232	.6722	1.515	.2334	.2385
#1	.1572	.3883	175.2	9.675	41.96	3.079	.0096	5.340	.1254	.2400
#2	.1553	.3857	171.9	9.455	41.56	3.093	.0097	5.227	.1250	.2392

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0045	.0022	-.0004	-.0008	1.497	.0028	.1567	6.306	.0006	.3763
Stddev	.0000	.0014	.0005	.0006	.000	.0001	.0027	.010	.0000	.0014
%RSD	.5929	62.89	120.5	86.50	.0234	3.223	1.752	.1563	7.361	.3809
#1	-.0045	.0012	-.0001	-.0012	1.497	.0029	.1586	6.299	.0006	.3774
#2	-.0045	.0032	-.0008	-.0003	1.497	.0027	.1547	6.313	.0006	.3753

Elem	W_2397	Zn2062	Zr3391
Avg	-.0107	.4218	.0136
Stddev	.0012	.0002	.0002
%RSD	11.28	.0495	1.698
#1	-.0098	.4217	.0134
#2	-.0115	.4220	.0137

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1466.8	58826.	11697.
Stddev	.2	276.	134.
%RSD	.01103	.46857	1.1435
#1	1466.7	59021.	11602.
#2	1466.9	58631.	11791.

Zoom In Zoom Out

Sample Name: MC23213-2 Acquired: 8/7/2013 18:56:00 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	156.4	.0229	-.0032	.2412	.4110	.0047	27.90	.0015	.0875
Stddev	.0002	2.8	.0006	.0005	.0007	.0073	.0001	.48	.0002	.0003
%RSD	41.52	1.769	2.720	14.05	.2779	1.774	1.255	1.704	13.22	.2955
#1	-.0003	154.4	.0234	-.0036	.2408	.4058	.0047	27.56	.0016	.0877
#2	-.0005	158.3	.0225	-.0029	.2417	.4161	.0048	28.24	.0013	.0874

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1823	3.183	173.0	6.792	39.24	3.430	.0140	3.880	.1260	.1109
Stddev	.0014	.004	2.9	.083	.68	.013	.0002	.065	.0004	.0000
%RSD	.7858	.1319	1.674	1.222	1.726	.3778	1.482	1.666	.2854	.0200
#1	.1833	3.180	170.9	6.733	38.76	3.421	.0138	3.835	.1262	.1109
#2	.1813	3.186	175.0	6.850	39.72	3.439	.0141	3.926	.1257	.1110

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0050	.0034	-.0013	-.0001	1.575	-.0015	.1427	6.947	-.0023	.4103
Stddev	.0015	.0030	.0004	.0008	.008	.0007	.0021	.018	.0014	.0009
%RSD	29.67	89.64	28.00	1657.	.5272	47.07	1.455	.2644	59.85	.2089
#1	-.0061	.0055	-.0010	-.0006	1.580	-.0010	.1412	6.934	-.0033	.4109
#2	-.0040	.0012	-.0015	.0005	1.569	-.0020	.1441	6.960	-.0013	.4097

Elem	W_2397	Zn2062	Zr3391
Avg	-.0078	.5076	.0200
Stddev	.0117	.0003	.0002
%RSD	149.2	.0527	1.045
#1	-.0161	.5074	.0198
#2	.0004	.5078	.0201

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1458.3	58319.	11548.
Stddev	1.8	429.	150.
%RSD	.12080	.73524	1.2990
#1	1459.6	58622.	11654.
#2	1457.1	58016.	11442.

Zoom In Zoom Out

Sample Name: MC23213-3 Acquired: 8/7/2013 19:00:22 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	120.9	.0267	-.0050	.0484	.5609	.0056	20.28	.0020	.0827
Stddev	.0000	.2	.0015	.0010	.0005	.0031	.0000	.02	.0001	.0001
%RSD	2.003	.1484	5.610	19.19	1.110	.5550	.4217	.1077	7.166	.1669
#1	-.0006	120.8	.0277	-.0043	.0488	.5587	.0057	20.29	.0021	.0828
#2	-.0006	121.0	.0256	-.0056	.0480	.5631	.0056	20.26	.0019	.0826

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1733	.3093	161.5	12.67	38.34	4.316	.0030	2.658	.1313	.3734
Stddev	.0016	.0012	.1	.02	.01	.023	.0001	.016	.0005	.0016
%RSD	.9501	.3854	.0876	.1967	.0361	.5225	2.002	.6068	.4162	.4302
#1	.1745	.3084	161.4	12.69	38.33	4.332	.0031	2.647	.1317	.3745
#2	.1722	.3101	161.6	12.65	38.35	4.300	.0030	2.670	.1309	.3722

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0029	.0111	-.0001	-.0004	2.028	.0112	.1066	5.692	.0004	.3948
Stddev	.0012	.0013	.0005	.0016	.010	.0001	.0008	.002	.0007	.0063
%RSD	41.08	11.79	537.8	369.5	.4730	.4639	.7089	.0423	195.1	1.593
#1	-.0037	.0120	-.0005	-.0015	2.035	.0112	.1061	5.694	-.0001	.3993
#2	-.0020	.0101	.0003	.0007	2.021	.0113	.1071	5.690	.0009	.3904

Elem	W_2397	Zn2062	Zr3391
Avg	-.0065	.5761	.0116
Stddev	.0067	.0010	.0002
%RSD	101.7	.1817	1.449
#1	-.0018	.5768	.0118
#2	-.0113	.5753	.0115

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1559.5	62452.	12251.
Stddev	7.2	160.	142.
%RSD	.46444	.25662	1.1586
#1	1554.4	62339.	12150.
#2	1564.6	62565.	12351.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 19:04:44 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2498	9.930	2.019	-.0030	2.064	1.855	1.892	9.664	2.036	2.104
Stddev	.0021	.033	.003	.0015	.000	.004	.006	.038	.001	.001
%RSD	.8480	.3297	.1672	51.25	.0040	.1924	.3322	.3971	.0650	.0463
#1	.2483	9.907	2.017	-.0019	2.064	1.853	1.888	9.636	2.037	2.105
#2	.2513	9.954	2.021	-.0041	2.064	1.858	1.897	9.691	2.035	2.103

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.961	2.015	9.334	9.478	9.199	2.009	2.029	9.889	1.947	1.959
Stddev	.004	.018	.005	.017	.018	.002	.002	.034	.001	.001
%RSD	.2036	.8671	.0509	.1736	.1991	.0773	.1161	.3387	.0672	.0425
#1	1.959	2.003	9.338	9.466	9.186	2.008	2.027	9.866	1.948	1.958
#2	1.964	2.027	9.331	9.490	9.212	2.011	2.030	9.913	1.946	1.959

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0015	.0015	2.028	2.026	.1292	2.013	1.970	1.990	2.048	2.023
Stddev	.0019	.0070	.000	.001	.0029	.006	.003	.006	.002	.006
%RSD	128.8	455.2	.0216	.0612	2.217	.3204	.1597	.3171	.1015	.2843
#1	-.0001	.0065	2.028	2.025	.1312	2.018	1.968	1.986	2.046	2.019
#2	-.0028	-.0034	2.027	2.026	.1271	2.009	1.972	1.995	2.049	2.027

Elem	W_2397	Zn2062	Zr3391
Avg	.0050	1.931	-.0016
Stddev	.0002	.002	.0005
%RSD	4.245	.0815	29.59
#1	.0049	1.932	-.0013
#2	.0052	1.930	-.0019

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1362.9	54075.	10638.
Stddev	.3	57.	37.
%RSD	.02273	.10554	.34448
#1	1362.6	54034.	10613.
#2	1363.1	54115.	10664.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 19:08:57 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	.0055	.0002	.0009	.0053	.0000	.0002	.0001	.0002	.0001
Stddev	.0000	.0032	.0011	.0003	.0009	.000	.0001	.0005	.0001	.0001
%RSD	2.807	57.63	551.9	40.14	17.63	1361.	47.43	765.7	57.11	62.00
#1	-.0006	.0033	-.0006	.0011	.0059	.0001	.0003	.0005	.0001	.0001
#2	-.0007	.0077	.0010	.0006	.0046	-.0002	.0001	-.0003	.0003	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	.0004	.0013	.0564	-.0279	.0002	.0025	-.0163	.0002	.0018
Stddev	.000	.0005	.0007	.0277	.0266	.0000	.0007	.0011	.0002	.0011
%RSD	9836.	136.3	52.19	49.03	95.33	11.43	29.10	6.564	77.23	63.56
#1	.0002	.0000	.0018	.0760	-.0466	.0002	.0030	-.0171	.0001	.0026
#2	-.0002	.0007	.0008	.0368	-.0091	.0002	.0020	-.0156	.0004	.0010

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0023	.0005	.0006	.0016	.0092	.0012	-.0001	.0000	-.0011	.0009
Stddev	.0003	.0004	.0004	.0000	.0002	.0004	.0001	.0001	.0003	.0005
%RSD	13.44	82.62	65.82	.7462	1.674	33.85	134.2	522.0	23.95	47.84
#1	-.0025	.0008	.0003	.0017	.0093	.0015	-.0002	.0001	-.0013	.0006
#2	-.0021	.0002	.0009	.0016	.0091	.0009	.0000	.0000	-.0009	.0013

Elem	W_2397	Zn2062	Zr3391
Avg	-.0048	.0001	.0003
Stddev	.0013	.0001	.0000
%RSD	26.41	103.1	4.343
#1	-.0039	.0002	.0003
#2	-.0057	.0000	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1369.4	54915.	10420.
Stddev	1.9	451.	266.
%RSD	.13967	.82045	2.5490
#1	1368.1	55234.	10608.
#2	1370.8	54596.	10232.

Zoom In Zoom Out

Sample Name: MC23213-4 Acquired: 8/7/2013 19:13:22 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	63.93	.0136	-.0014	.0763	.3070	.0033	10.27	.0014	.0488
Stddev	.0004	.32	.0005	.0008	.0001	.0016	.0000	.07	.0001	.0001
%RSD	116.1	.4928	3.709	55.36	.1484	.5244	1.258	.7022	10.58	.2838
#1	-.0001	64.15	.0140	-.0009	.0764	.3082	.0034	10.32	.0015	.0487
#2	-.0006	63.70	.0133	-.0020	.0762	.3059	.0033	10.22	.0013	.0489

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0988	.1043	108.0	9.807	25.13	2.639	.0029	1.566	.0856	.1515
Stddev	.0009	.0012	.8	.046	.09	.002	.0001	.002	.0002	.0021
%RSD	.9169	1.187	.7293	.4702	.3652	.0798	2.176	.1066	.1814	1.408
#1	.0982	.1035	108.6	9.839	25.19	2.640	.0029	1.564	.0857	.1500
#2	.0994	.1052	107.5	9.774	25.06	2.637	.0028	1.567	.0855	.1530

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0023	.0039	.0006	-.0002	1.970	.0046	.0615	3.554	.0007	.2231
Stddev	.0019	.0011	.0006	.0006	.003	.0004	.0003	.006	.0034	.0009
%RSD	84.89	27.26	99.39	302.9	.1363	9.706	.5552	.1810	510.5	.3912
#1	-.0009	.0031	.0002	.0002	1.972	.0049	.0617	3.549	.0030	.2225
#2	-.0036	.0046	.0011	-.0006	1.969	.0043	.0612	3.559	-.0017	.2237

Elem	W_2397	Zn2062	Zr3391
Avg	-.0051	.3538	.0145
Stddev	.0030	.0000	.0003
%RSD	59.32	.0126	2.311
#1	-.0030	.3537	.0142
#2	-.0073	.3538	.0147

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1456.5	58412.	11503.
Stddev	2.5	144.	54.
%RSD	.17085	.24640	.47027
#1	1454.8	58311.	11464.
#2	1458.3	58514.	11541.

Zoom In Zoom Out

Sample Name: MC23213-5 Acquired: 8/7/2013 19:17:40 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	256.0	.0177	-.0025	.5896	.6888	.0033	118.4	.0021	.1842
Stddev	.0008	.2	.0009	.0014	.0026	.0008	.0000	.1	.0002	.0008
%RSD	309.5	.0907	4.940	54.75	.4404	.1228	.5130	.0530	9.230	.4255
#1	.0008	256.2	.0171	-.0034	.5878	.6894	.0033	118.5	.0019	.1836
#2	-.0003	255.9	.0183	-.0015	.5914	.6882	.0034	118.4	.0022	.1847

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2310	.9356	269.6	6.014	84.30	3.777	.0055	24.04	.2243	.6209
Stddev	.0022	.0025	.9	.030	.04	.031	.0002	.02	.0003	.0014
%RSD	.9567	.2621	.3513	.4996	.0528	.8114	3.029	.1004	.1178	.2297
#1	.2326	.9339	270.2	6.035	84.33	3.755	.0057	24.06	.2245	.6219
#2	.2295	.9374	268.9	5.993	84.27	3.799	.0054	24.02	.2242	.6199

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0117	-.0019	.0121	-.0063	1.762	.1490	.5487	7.566	.0024	.7952
Stddev	.0003	.0063	.0024	.0022	.000	.0003	.0005	.013	.0014	.0002
%RSD	2.382	323.0	20.04	34.68	.0110	.2100	.0899	.1692	57.00	.0263
#1	-.0119	-.0064	.0138	-.0048	1.762	.1488	.5484	7.557	.0015	.7951
#2	-.0116	.0025	.0104	-.0079	1.762	.1492	.5491	7.575	.0034	.7954

Elem	W_2397	Zn2062	Zr3391
Avg	-.0070	.6165	.0534
Stddev	.0051	.0010	.0008
%RSD	73.08	.1701	1.472
#1	-.0034	.6172	.0540
#2	-.0107	.6158	.0529

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1430.3	58350.	11533.
Stddev	2.2	165.	28.
%RSD	.15057	.28303	.23880
#1	1428.8	58467.	11553.
#2	1431.8	58233.	11514.

Zoom In Zoom Out

Sample Name: MC23213-6 Acquired: 8/7/2013 19:22:07 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	72.37	.0135	-.0033	.0475	.4062	.0035	15.69	.0011	.0527
Stddev	.0004	.64	.0000	.0011	.0000	.0034	.0000	.07	.0001	.0007
%RSD	60.10	.8835	.0734	32.47	.0279	.8468	.6436	.4678	10.66	1.396
#1	-.0009	71.92	.0135	-.0026	.0475	.4038	.0034	15.64	.0011	.0532
#2	-.0003	72.82	.0135	-.0041	.0475	.4087	.0035	15.74	.0012	.0522

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0930	.1412	108.3	8.141	26.07	2.766	.0021	1.924	.0849	.1861
Stddev	.0012	.0006	.9	.135	.27	.003	.0001	.029	.0005	.0005
%RSD	1.338	.4389	.7978	1.658	1.017	.0984	6.459	1.534	.6205	.2552
#1	.0921	.1407	107.7	8.045	25.88	2.765	.0020	1.903	.0853	.1865
#2	.0939	.1416	108.9	8.236	26.25	2.768	.0022	1.944	.0845	.1858

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0014	.0070	.0000	.0000	1.972	.0085	.0778	3.654	-.0003	.2309
Stddev	.0009	.0047	.000	.0004	.003	.0004	.0010	.005	.0002	.0023
%RSD	61.82	67.08	670.3	1303.	.1400	4.874	1.347	.1255	74.81	.9988
#1	-.0020	.0037	-.0001	.0003	1.974	.0088	.0771	3.651	-.0001	.2292
#2	-.0008	.0103	.0001	-.0003	1.970	.0082	.0786	3.658	-.0005	.2325

Elem	W_2397	Zn2062	Zr3391
Avg	-.0025	.3296	.0113
Stddev	.0018	.0006	.0002
%RSD	73.79	.1758	2.138
#1	-.0037	.3300	.0115
#2	-.0012	.3292	.0111

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1441.6	57874.	11341.
Stddev	2.7	187.	6.
%RSD	.18507	.32242	.05262
#1	1439.7	58006.	11345.
#2	1443.5	57742.	11337.

Zoom In Zoom Out

Sample Name: MC23213-7 Acquired: 8/7/2013 19:26:25 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	63.65	.0196	-.0011	.0444	.3419	.0032	6.322	.0030	.0468
Stddev	.0004	.02	.0006	.0010	.0000	.0011	.0001	.020	.0000	.0001
%RSD	533.9	.0309	2.907	86.78	.0836	.3094	2.967	.3172	.3145	.1572
#1	-.0004	63.66	.0200	-.0004	.0444	.3411	.0031	6.336	.0030	.0469
#2	.0002	63.63	.0192	-.0018	.0444	.3426	.0032	6.307	.0030	.0468

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1075	.2280	138.0	9.219	21.55	2.557	.0028	.9964	.0890	1.502
Stddev	.0000	.0014	.2	.014	.03	.002	.0001	.0037	.0002	.001
%RSD	.0390	.6130	.1674	.1502	.1534	.0734	3.177	.3729	.2386	.0849
#1	.1076	.2270	137.8	9.209	21.58	2.556	.0029	.9990	.0889	1.503
#2	.1075	.2290	138.2	9.229	21.53	2.558	.0027	.9937	.0892	1.501

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0012	.0054	.0160	-.0006	1.865	.7898	.0396	3.040	-.0008	.1853
Stddev	.0001	.0035	.0003	.0012	.003	.0001	.0001	.002	.0005	.0003
%RSD	11.55	63.67	2.054	207.5	.1437	.0125	.2391	.0529	70.18	.1823
#1	-.0011	.0030	.0163	-.0014	1.863	.7898	.0395	3.038	-.0004	.1855
#2	-.0013	.0079	.0158	.0003	1.867	.7897	.0397	3.041	-.0011	.1850

Elem	W_2397	Zn2062	Zr3391
Avg	-.0002	1.080	.0124
Stddev	.0002	.000	.0002
%RSD	100.4	.0278	1.866
#1	-.0001	1.079	.0126
#2	-.0003	1.080	.0122

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1431.2	57398.	11099.
Stddev	1.3	47.	30.
%RSD	.09200	.08246	.26852
#1	1430.3	57364.	11078.
#2	1432.2	57431.	11121.

Zoom In Zoom Out

Sample Name: MC23213-12 Acquired: 8/7/2013 19:30:41 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	109.5	.0236	-.0012	.0362	.5435	.0041	24.00	.0020	.0676
Stddev	.0003	.4	.0018	.0002	.0002	.0024	.0000	.12	.0000	.0003
%RSD	141.2	.3957	7.760	13.17	.5434	.4471	.3558	.4816	1.480	.4089
#1	.0000	109.8	.0223	-.0013	.0363	.5452	.0041	24.08	.0020	.0674
#2	-.0005	109.2	.0249	-.0011	.0361	.5418	.0041	23.92	.0020	.0678

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1170	.3406	137.0	7.593	30.09	3.054	.0039	3.449	.1109	.8343
Stddev	.0004	.0005	1.0	.015	.16	.012	.0001	.021	.0002	.0002
%RSD	.3708	.1563	.7010	.1990	.5227	.3979	2.063	.6234	.1463	.0293
#1	.1167	.3402	137.7	7.603	30.20	3.046	.0039	3.464	.1110	.8341
#2	.1173	.3410	136.3	7.582	29.98	3.063	.0038	3.434	.1108	.8344

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0037	.0046	.0001	-.0003	1.781	.0162	.1023	4.389	.0001	.3213
Stddev	.0014	.0038	.0013	.0010	.005	.0003	.0006	.005	.0006	.0016
%RSD	38.38	82.79	2016.	313.8	.3019	2.099	.5555	.1094	479.6	.5080
#1	-.0027	.0019	.0010	.0004	1.785	.0160	.1027	4.385	.0005	.3202
#2	-.0047	.0073	-.0008	-.0010	1.777	.0165	.1019	4.392	-.0003	.3225

Elem	W_2397	Zn2062	Zr3391
Avg	-.0068	.8355	.0223
Stddev	.0049	.0007	.0000
%RSD	71.78	.0802	.2044
#1	-.0103	.8360	.0224
#2	-.0034	.8351	.0223

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1481.2	59528.	11555.
Stddev	3.0	689.	126.
%RSD	.20479	1.1572	1.0908
#1	1479.1	60015.	11466.
#2	1483.4	59041.	11645.

Zoom In Zoom Out

Sample Name: MC23213-13 Acquired: 8/7/2013 19:34:58 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	82.52	.0152	-.0014	.0544	.4115	.0038	10.06	.0012	.0482
Stddev	.0003	.04	.0003	.0002	.0006	.0003	.0001	.01	.0002	.0003
%RSD	55.75	.0444	1.901	16.36	1.055	.0633	2.458	.1274	13.15	.7095
#1	-.0006	82.54	.0150	-.0016	.0540	.4117	.0038	10.07	.0011	.0480
#2	-.0003	82.49	.0154	-.0012	.0548	.4113	.0039	10.05	.0013	.0485

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1047	.1445	107.4	11.45	25.78	2.702	.0025	1.552	.0943	.3086
Stddev	.0013	.0012	.2	.04	.02	.002	.0002	.002	.0001	.0008
%RSD	1.238	.8276	.1807	.3654	.0609	.0837	7.823	.1186	.1328	.2468
#1	.1038	.1437	107.5	11.48	25.79	2.704	.0027	1.550	.0943	.3091
#2	.1056	.1454	107.3	11.42	25.77	2.701	.0024	1.553	.0944	.3081

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0034	.0057	.0003	.0003	2.248	.0061	.1705	3.296	-.0009	.2129
Stddev	.0000	.0019	.0001	.0002	.005	.0001	.0005	.001	.0005	.0004
%RSD	.7632	33.35	35.52	61.61	.2031	2.122	.2911	.0274	60.89	.1846
#1	-.0034	.0071	.0004	.0005	2.251	.0060	.1708	3.297	-.0012	.2126
#2	-.0033	.0044	.0002	.0002	2.244	.0062	.1701	3.295	-.0005	.2132

Elem	W_2397	Zn2062	Zr3391
Avg	-.0074	.4263	.0098
Stddev	.0146	.0009	.0002
%RSD	197.6	.2143	2.242
#1	.0029	.4270	.0099
#2	-.0177	.4257	.0096

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1463.4	58103.	11502.
Stddev	2.1	79.	60.
%RSD	.14539	.13607	.52220
#1	1461.9	58048.	11544.
#2	1464.9	58159.	11459.

Zoom In Zoom Out

Sample Name: MC23213-14 Acquired: 8/7/2013 19:39:16 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	76.35	.0192	-.0021	.0488	.3672	.0038	9.471	.0020	.0503
Stddev	.0003	.38	.0005	.0001	.0003	.0014	.0000	.040	.0001	.0001
%RSD	41.70	.5001	2.435	4.985	.5919	.3883	1.130	.4246	6.573	.1189
#1	-.0009	76.62	.0188	-.0022	.0490	.3682	.0038	9.499	.0021	.0502
#2	-.0005	76.08	.0195	-.0021	.0486	.3662	.0037	9.442	.0019	.0503

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1141	.2347	132.0	9.432	24.57	2.935	.0032	1.573	.0884	.4201
Stddev	.0007	.0007	.3	.032	.02	.010	.0002	.002	.0006	.0014
%RSD	.5724	.2944	.2003	.3350	.0695	.3449	4.639	.1220	.7033	.3300
#1	.1146	.2352	132.2	9.454	24.56	2.942	.0031	1.571	.0888	.4210
#2	.1136	.2342	131.8	9.409	24.58	2.928	.0034	1.574	.0879	.4191

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0020	.0043	.0006	.0007	1.681	.0153	.0520	3.512	-.0006	.2999
Stddev	.0018	.0003	.0002	.0002	.002	.0001	.0000	.017	.0005	.0001
%RSD	90.15	6.470	27.82	23.71	.0895	.5577	.0930	.4699	83.04	.0251
#1	-.0007	.0041	.0008	.0006	1.682	.0154	.0520	3.524	-.0010	.3000
#2	-.0032	.0045	.0005	.0008	1.680	.0152	.0520	3.501	-.0003	.2999

Elem	W_2397	Zn2062	Zr3391
Avg	-.0053	.4174	.0183
Stddev	.0073	.0002	.0000
%RSD	139.1	.0485	.1514
#1	-.0001	.4172	.0183
#2	-.0104	.4175	.0183

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1492.4	59651.	11748.
Stddev	4.0	4.	49.
%RSD	.26563	.00595	.41910
#1	1495.2	59648.	11783.
#2	1489.6	59653.	11713.

Zoom In Zoom Out

Sample Name: MC23213-15 Acquired: 8/7/2013 19:43:34 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	55.85	.0162	-.0005	.0348	.3028	.0025	9.853	.0010	.0372
Stddev	.0001	.16	.0006	.0014	.0002	.0006	.0000	.027	.0001	.0000
%RSD	20.29	.2923	3.512	282.4	.6415	.1819	.6372	.2706	8.363	.0812
#1	-.0006	55.73	.0158	.0005	.0346	.3024	.0026	9.834	.0009	.0372
#2	-.0008	55.96	.0166	-.0015	.0349	.3032	.0025	9.871	.0011	.0372

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0747	.2113	85.89	6.278	16.65	2.020	.0015	1.200	.0570	.1509
Stddev	.0001	.0011	.25	.021	.04	.001	.0002	.005	.0004	.0000
%RSD	.0743	.5373	.2936	.3395	.2588	.0429	12.77	.4144	.7235	.0308
#1	.0746	.2121	85.71	6.263	16.68	2.020	.0014	1.197	.0567	.1509
#2	.0747	.2105	86.07	6.293	16.62	2.019	.0017	1.204	.0573	.1510

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0029	-.0022	.0011	.0002	1.771	.0160	.0483	3.377	-.0017	.2301
Stddev	.0003	.0005	.0005	.0006	.001	.0001	.0002	.002	.0003	.0002
%RSD	10.79	24.12	42.77	245.2	.0645	.6150	.3309	.0636	19.06	.0900
#1	-.0031	-.0018	.0008	-.0002	1.770	.0159	.0482	3.376	-.0020	.2300
#2	-.0027	-.0025	.0015	.0007	1.772	.0160	.0484	3.379	-.0015	.2303

Elem	W_2397	Zn2062	Zr3391
Avg	-.0028	.3026	.0108
Stddev	.0013	.0005	.0002
%RSD	45.67	.1506	1.569
#1	-.0036	.3022	.0109
#2	-.0019	.3029	.0106

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1442.4	57363.	11396.
Stddev	.3	116.	39.
%RSD	.02117	.20180	.33898
#1	1442.2	57281.	11423.
#2	1442.6	57445.	11369.

Zoom In Zoom Out

Sample Name: MC23213-16 Acquired: 8/7/2013 19:47:54 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0010	115.6	.0207	-.0014	.0365	.4323	.0050	9.685	.0005	.0529
Stddev	.0004	2.4	.0013	.0015	.0008	.0095	.0000	.170	.0001	.0003
%RSD	43.40	2.059	6.111	106.2	2.093	2.203	.8365	1.754	17.07	.4959
#1	-.0013	113.9	.0216	-.0004	.0371	.4256	.0050	9.565	.0004	.0531
#2	-.0007	117.3	.0198	-.0025	.0360	.4391	.0051	9.805	.0006	.0528

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1322	.1332	135.2	8.175	22.99	2.585	.0051	.7142	.0932	.0818
Stddev	.0008	.0009	2.7	.107	.42	.018	.0002	.0028	.0003	.0001
%RSD	.6317	.7007	2.026	1.309	1.821	.6961	3.077	.3922	.3608	.0830
#1	.1328	.1339	133.3	8.099	22.70	2.598	.0052	.7122	.0934	.0819
#2	.1316	.1325	137.2	8.250	23.29	2.573	.0050	.7162	.0930	.0818

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0015	.0022	-.0016	-.0015	1.609	.0008	.0729	4.698	-.0034	.2758
Stddev	.0015	.0020	.0008	.0026	.011	.0003	.0014	.040	.0006	.0013
%RSD	103.1	91.08	51.04	178.7	.7025	33.33	1.960	.8513	19.05	.4809
#1	-.0026	.0036	-.0010	-.0033	1.617	.0006	.0719	4.726	-.0038	.2767
#2	-.0004	.0008	-.0022	.0004	1.601	.0009	.0739	4.669	-.0029	.2748

Elem	W_2397	Zn2062	Zr3391
Avg	-.0086	.2167	.0258
Stddev	.0056	.0003	.0002
%RSD	65.76	.1545	.8818
#1	-.0126	.2170	.0260
#2	-.0046	.2165	.0257

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1476.2	58890.	11643.
Stddev	4.3	138.	138.
%RSD	.29101	.23407	1.1862
#1	1473.2	58793.	11741.
#2	1479.3	58987.	11546.

Zoom In Zoom Out

Sample Name: MC23213-17 Acquired: 8/7/2013 19:52:11 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	70.54	.0133	-.0028	.0565	.3977	.0038	8.415	.0009	.0525
Stddev	.0000	.61	.0021	.0010	.0000	.0044	.0002	.104	.0001	.0001
%RSD	6.104	.8627	15.87	33.84	.0495	1.116	4.449	1.231	5.978	.2061
#1	-.0008	70.11	.0148	-.0022	.0565	.3945	.0037	8.342	.0009	.0526
#2	-.0007	70.97	.0118	-.0035	.0565	.4008	.0039	8.489	.0008	.0524

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1025	.1007	108.5	10.72	26.77	3.263	.0012	1.958	.0971	.0651
Stddev	.0011	.0002	.9	.16	.43	.004	.0002	.035	.0009	.0001
%RSD	1.057	.1877	.8221	1.499	1.608	.1202	12.80	1.780	.8901	.1835
#1	.1017	.1006	107.8	10.60	26.46	3.261	.0011	1.934	.0965	.0652
#2	.1032	.1008	109.1	10.83	27.07	3.266	.0013	1.983	.0977	.0650

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0042	.0116	-.0008	-.0010	1.722	.0034	.0417	3.458	.0011	.2250
Stddev	.0000	.0030	.0008	.0001	.001	.0004	.0007	.004	.0003	.0035
%RSD	1.156	26.08	108.1	12.63	.0520	12.53	1.581	.1027	27.06	1.560
#1	-.0043	.0137	-.0002	-.0009	1.722	.0037	.0412	3.456	.0014	.2225
#2	-.0042	.0095	-.0013	-.0011	1.723	.0031	.0422	3.461	.0009	.2274

Elem	W_2397	Zn2062	Zr3391
Avg	-.0032	.2343	.0255
Stddev	.0054	.0000	.0004
%RSD	170.8	.0158	1.658
#1	.0007	.2343	.0252
#2	-.0070	.2343	.0258

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1482.2	58934.	11570.
Stddev	3.5	221.	72.
%RSD	.23423	.37462	.62238
#1	1484.6	59090.	11621.
#2	1479.7	58777.	11519.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 19:56:28 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2485	10.06	2.021	-.0030	2.053	1.848	1.912	9.718	2.020	2.102
Stddev	.0005	.05	.003	.0007	.004	.002	.002	.013	.004	.003
%RSD	.1992	.5265	.1458	25.02	.1701	.1064	.1244	.1287	.1711	.1310
#1	.2482	10.02	2.023	-.0025	2.055	1.846	1.910	9.709	2.022	2.104
#2	.2489	10.09	2.019	-.0035	2.050	1.849	1.913	9.727	2.017	2.100

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.964	2.011	9.253	9.449	9.165	2.037	2.026	10.01	1.947	1.952
Stddev	.003	.000	.013	.030	.010	.003	.002	.00	.003	.004
%RSD	.1323	.0022	.1438	.3202	.1101	.1227	.1080	.0406	.1393	.1918
#1	1.966	2.011	9.263	9.470	9.172	2.039	2.027	10.01	1.949	1.955
#2	1.962	2.011	9.244	9.427	9.158	2.036	2.024	10.01	1.945	1.950

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0043	.0015	2.022	2.033	.1260	2.021	1.941	2.002	2.048	2.030
Stddev	.0026	.0024	.002	.004	.0021	.003	.002	.004	.007	.001
%RSD	60.36	161.4	.1082	.2055	1.679	.1240	.1013	.1788	.3593	.0382
#1	-.0061	-.0002	2.024	2.036	.1275	2.022	1.940	2.004	2.053	2.031
#2	-.0024	.0031	2.021	2.030	.1245	2.019	1.942	1.999	2.042	2.029

Elem	W_2397	Zn2062	Zr3391
Avg	-.0032	1.929	.0007
Stddev	.0013	.004	.0007
%RSD	39.58	.2193	100.7
#1	-.0041	1.932	.0012
#2	-.0023	1.926	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1380.0	54115.	10780.
Stddev	1.9	207.	43.
%RSD	.13820	.38265	.39750
#1	1378.7	53969.	10750.
#2	1381.4	54262.	10811.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 20:00:42 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0008	.0008	.0007	.0041	-.0001	.0001	-.0006	.0000	.0002
Stddev	.0002	.0099	.0004	.0003	.0001	.0001	.0001	.0032	.0001	.0003
%RSD	108.7	1283.	52.25	38.75	3.447	95.42	53.99	572.1	333.4	102.9
#1	-.0001	-.0063	.0010	.0009	.0042	.0000	.0001	-.0029	.0000	.0001
#2	-.0004	.0078	.0005	.0005	.0040	-.0002	.0002	.0017	.0001	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0006	.0007	-.0008	.0704	-.0400	.0000	.0022	-.0198	.0000	.0009
Stddev	.0002	.0003	.0010	.0301	.0279	.0001	.0006	.0115	.000	.0003
%RSD	33.44	37.35	123.5	42.70	69.87	235.0	29.68	58.01	283.0	39.96
#1	-.0007	.0005	-.0001	.0492	-.0202	.0000	.0026	-.0279	.0000	.0011
#2	-.0004	.0009	-.0016	.0917	-.0597	.0001	.0017	-.0117	.0000	.0006

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0027	-.0035	.0013	.0012	.0090	.0006	.0000	.0000	-.0007	.0012
Stddev	.0002	.0024	.0001	.0001	.0002	.0000	.000	.0002	.0023	.0002
%RSD	6.804	69.25	10.78	8.695	2.716	4.758	8157.	770.1	335.8	20.16
#1	-.0029	-.0018	.0012	.0011	.0088	.0006	-.0001	.0002	-.0023	.0013
#2	-.0026	-.0052	.0014	.0012	.0091	.0006	.0001	-.0001	.0009	.0010

Elem	W_2397	Zn2062	Zr3391
Avg	-.0024	.0002	.0003
Stddev	.0015	.0002	.0002
%RSD	64.39	101.1	87.76
#1	-.0034	.0001	.0004
#2	-.0013	.0004	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1404.0	54436.	10881.
Stddev	1.3	198.	16.
%RSD	.08975	.36444	.14947
#1	1403.1	54577.	10869.
#2	1404.9	54296.	10892.

Zoom In Zoom Out

Sample Name: MC23213-19 Acquired: 8/7/2013 20:05:06 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	64.34	.0124	-.0012	.0460	.3439	.0036	7.069	.0011	.0480
Stddev	.0004	1.70	.0001	.0000	.0007	.0092	.0001	.173	.0003	.0002
%RSD	127.8	2.635	.6985	3.676	1.580	2.666	1.892	2.443	27.31	.3159
#1	-.0006	63.14	.0124	-.0012	.0465	.3375	.0035	6.947	.0013	.0481
#2	.0000	65.54	.0125	-.0012	.0454	.3504	.0036	7.191	.0009	.0479

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1205	.1021	102.0	8.727	24.44	2.886	.0024	1.495	.0885	.1243
Stddev	.0018	.0017	2.7	.210	.64	.058	.0002	.045	.0011	.0017
%RSD	1.467	1.697	2.626	2.412	2.612	2.010	7.332	3.034	1.256	1.371
#1	.1217	.1033	100.1	8.579	23.99	2.927	.0025	1.463	.0893	.1255
#2	.1192	.1008	103.9	8.876	24.89	2.845	.0022	1.527	.0877	.1231

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0057	.0062	-.0008	-.0001	1.595	.0054	.0399	3.786	.0010	.2581
Stddev	.0007	.0050	.0004	.0010	.010	.0007	.0011	.070	.0016	.0079
%RSD	13.09	81.19	56.03	781.4	.6013	12.32	2.879	1.856	162.2	3.045
#1	-.0052	.0098	-.0011	-.0009	1.602	.0059	.0391	3.836	-.0001	.2636
#2	-.0062	.0026	-.0005	.0006	1.589	.0049	.0407	3.736	.0021	.2525

Elem	W_2397	Zn2062	Zr3391
Avg	.0009	.2383	.0212
Stddev	.0070	.0031	.0001
%RSD	768.4	1.318	.5513
#1	-.0041	.2405	.0213
#2	.0059	.2361	.0211

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1501.8	58601.	11793.
Stddev	13.8	1050.	269.
%RSD	.92025	1.7921	2.2831
#1	1492.0	57858.	11983.
#2	1511.5	59343.	11602.

Zoom In Zoom Out

Sample Name: MC23213-20 Acquired: 8/7/2013 20:09:24 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0009	61.76	.0107	-.0011	.0490	.3624	.0033	7.684	.0004	.0439
Stddev	.0008	.05	.0007	.0001	.0001	.0010	.0000	.007	.0000	.0002
%RSD	82.12	.0825	6.074	4.557	.1176	.2645	.7332	.0981	1.958	.3659
#1	-.0004	61.80	.0102	-.0012	.0489	.3630	.0033	7.689	.0004	.0437
#2	-.0015	61.73	.0112	-.0011	.0490	.3617	.0033	7.678	.0004	.0440

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0927	.0776	90.47	9.950	23.04	2.498	.0019	.9734	.0810	.0478
Stddev	.0012	.0005	.18	.015	.04	.001	.0002	.0139	.0002	.0004
%RSD	1.280	.6953	.1986	.1502	.1562	.0518	10.09	1.429	.2647	.8543
#1	.0936	.0780	90.60	9.939	23.01	2.499	.0020	.9636	.0809	.0475
#2	.0919	.0772	90.34	9.961	23.06	2.497	.0018	.9832	.0812	.0481

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0061	.0014	.0002	.0008	1.834	.0043	.0523	3.156	-.0026	.1909
Stddev	.0008	.0004	.0006	.0010	.004	.0010	.0002	.002	.0012	.0020
%RSD	13.12	31.05	316.0	129.7	.2417	23.12	.4551	.0547	46.57	1.051
#1	-.0066	.0017	-.0003	.0001	1.831	.0036	.0524	3.157	-.0035	.1923
#2	-.0055	.0011	.0007	.0015	1.838	.0050	.0521	3.154	-.0018	.1895

Elem	W_2397	Zn2062	Zr3391
Avg	-.0046	.2142	.0196
Stddev	.0041	.0001	.0001
%RSD	88.75	.0299	.6290
#1	-.0074	.2141	.0196
#2	-.0017	.2142	.0197

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1490.3	58722.	11842.
Stddev	2.1	96.	98.
%RSD	.13848	.16268	.83066
#1	1491.8	58790.	11773.
#2	1488.9	58654.	11912.

Zoom In Zoom Out

Sample Name: MC23223-2 Acquired: 8/7/2013 20:13:42 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	131.8	.1357	-.0035	.0834	.7039	.0071	17.27	.0032	.1126
Stddev	.0007	.3	.0015	.0013	.0006	.0019	.0001	.05	.0000	.0004
%RSD	226.5	.2633	1.074	36.77	.7462	.2703	1.301	.2699	1.488	.3225
#1	-.0008	131.6	.1347	-.0044	.0838	.7026	.0071	17.24	.0032	.1129
#2	.0002	132.1	.1367	-.0026	.0830	.7052	.0070	17.31	.0033	.1124

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2244	.1649	223.1	17.08	38.68	3.509	.0057	20.03	.2828	.1052
Stddev	.0010	.0004	.1	.06	.13	.015	.0001	.06	.0007	.0007
%RSD	.4262	.2183	.0612	.3274	.3424	.4226	1.472	.2996	.2439	.6594
#1	.2237	.1646	223.0	17.04	38.59	3.498	.0057	19.99	.2833	.1057
#2	.2251	.1651	223.2	17.12	38.78	3.519	.0056	20.07	.2823	.1047

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0140	.0008	-.0002	-.0034	1.582	.0065	.1363	2.033	.0004	.3347
Stddev	.0012	.0027	.0001	.0011	.001	.0005	.0005	.007	.0017	.0032
%RSD	8.635	320.4	89.76	33.22	.0635	7.471	.3669	.3343	382.9	.9676
#1	-.0132	-.0011	-.0002	-.0026	1.581	.0062	.1360	2.038	-.0007	.3324
#2	-.0149	.0027	-.0001	-.0042	1.582	.0069	.1367	2.028	.0016	.3370

Elem	W_2397	Zn2062	Zr3391
Avg	-.0069	.6861	.1291
Stddev	.0031	.0017	.0019
%RSD	45.34	.2417	1.435
#1	-.0047	.6872	.1278
#2	-.0091	.6849	.1304

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1529.9	60461.	12135.
Stddev	3.3	33.	46.
%RSD	.21677	.05437	.37938
#1	1527.5	60484.	12168.
#2	1532.2	60438.	12103.

Zoom In Zoom Out

Sample Name: MC23223-4 Acquired: 8/7/2013 20:18:07 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0005	62.70	.1139	-.0056	.0570	.2203	.0032	F612.7	.0035
Stddev	.0001	.30	.0001	.0000	.0011	.0009	.0001	5.0	.0001
%RSD	27.47	.4852	.0777	.7765	1.918	.4257	2.137	.8235	1.746
#1	-.0006	62.49	.1140	-.0057	.0578	.2196	.0032	616.3	.0035
#2	-.0004	62.92	.1138	-.0056	.0563	.2209	.0033	609.2	.0034

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0765	.1319	.1643	138.5	9.868	144.3	4.778	.0101	6.628
Stddev	.0006	.0004	.0010	.6	.062	.4	.038	.0001	.051
%RSD	.8373	.3032	.6044	.4485	.6327	.2476	.7953	1.070	.7641
#1	.0760	.1322	.1650	138.1	9.824	144.0	4.805	.0100	6.592
#2	.0769	.1316	.1636	138.9	9.912	144.5	4.751	.0102	6.664

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.1797	.1090	-.0448	.0128	.0011	-.0023	3.033	.0036	.4719
Stddev	.0001	.0023	.0008	.0007	.0014	.0001	.002	.0003	.0027
%RSD	.0455	2.097	1.857	5.481	130.8	4.449	.0703	8.736	.5752
#1	.1797	.1074	-.0454	.0123	.0021	-.0024	3.035	.0039	.4699
#2	.1798	.1106	-.0442	.0133	.0001	-.0022	3.032	.0034	.4738

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	2.089	-.0005	.1796	-.0095	.3940	.0743
Stddev	.002	.0013	.0017	.0039	.0003	.0004
%RSD	.1085	249.3	.9650	41.78	.0651	.4985
#1	2.090	-.0014	.1784	-.0122	.3942	.0740
#2	2.087	.0004	.1808	-.0067	.3938	.0746

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1385.1	55336.	11372.
Stddev	1.5	151.	8.
%RSD	.11183	.27370	.06708
#1	1386.2	55229.	11367.
#2	1384.0	55444.	11377.

Zoom In Zoom Out

Sample Name: MC23223-12 Acquired: 8/7/2013 20:22:36 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	122.0	.1138	-.0135	.1057	.5779	.0067	353.0	.0031	.1157
Stddev	.0013	.6	.0029	.0022	.0001	.0022	.0001	3.5	.0000	.0007
%RSD	324.9	.4751	2.521	16.33	.0487	.3798	1.620	.9853	.3641	.5928
#1	-.0013	121.6	.1158	-.0120	.1057	.5763	.0067	350.5	.0031	.1162
#2	.0005	122.4	.1118	-.0151	.1058	.5794	.0068	355.4	.0031	.1152

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1997	.1785	215.4	17.38	211.8	8.680	.0069	18.33	.2586	.1049
Stddev	.0004	.0003	.6	.06	.7	.005	.0001	.08	.0003	.0005
%RSD	.1885	.1672	.2857	.3220	.3397	.0534	.7265	.4428	.1016	.4723
#1	.1999	.1783	214.9	17.34	211.2	8.683	.0069	18.27	.2588	.1052
#2	.1994	.1787	215.8	17.42	212.3	8.676	.0069	18.39	.2584	.1045

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0364	.0262	.0008	-.0053	1.934	.0073	.2195	2.112	.0011	.3430
Stddev	.0002	.0007	.0002	.0022	.004	.0011	.0010	.001	.0005	.0035
%RSD	.5256	2.741	19.99	41.22	.2335	15.26	.4773	.0283	42.89	1.008
#1	-.0365	.0267	.0009	-.0068	1.937	.0066	.2188	2.112	.0008	.3405
#2	-.0363	.0257	.0007	-.0037	1.931	.0081	.2203	2.112	.0014	.3454

Elem	W_2397	Zn2062	Zr3391
Avg	.0036	.4196	.1488
Stddev	.0027	.0011	.0010
%RSD	75.32	.2613	.6793
#1	.0017	.4203	.1481
#2	.0055	.4188	.1495

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1431.0	57392.	11655.
Stddev	1.5	73.	10.
%RSD	.10400	.12783	.08817
#1	1430.0	57340.	11663.
#2	1432.1	57444.	11648.

Zoom In Zoom Out

Sample Name: MC23223-15 Acquired: 8/7/2013 20:27:04 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	126.5	.1803	-.0067	.0926	.7907	.0079	266.5	.0042	.1189
Stddev	.0009	1.9	.0018	.0001	.0011	.0116	.0002	4.6	.0000	.0003
%RSD	144.1	1.504	.9839	.9367	1.148	1.466	2.618	1.707	.6949	.2524
#1	-.0012	125.2	.1791	-.0067	.0918	.7825	.0077	263.3	.0042	.1186
#2	.0000	127.9	.1816	-.0067	.0933	.7989	.0080	269.8	.0042	.1191

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2016	.1703	295.3	16.80	149.1	4.388	.0143	13.31	.2649	.0973
Stddev	.0008	.0004	1.9	.09	2.1	.004	.0005	.19	.0004	.0001
%RSD	.3841	.2290	.6353	.5369	1.409	.0976	3.436	1.457	.1576	.0628
#1	.2010	.1700	294.0	16.73	147.6	4.391	.0139	13.18	.2646	.0973
#2	.2021	.1705	296.6	16.86	150.6	4.385	.0146	13.45	.2652	.0972

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0329	.0088	.0004	-.0084	2.435	.0071	.2167	1.498	.0018	.4720
Stddev	.0006	.0028	.0003	.0020	.015	.0003	.0031	.001	.0010	.0092
%RSD	1.847	31.80	62.31	23.59	.6275	3.926	1.448	.0336	57.21	1.951
#1	-.0333	.0108	.0002	-.0099	2.425	.0069	.2145	1.498	.0025	.4655
#2	-.0324	.0068	.0006	-.0070	2.446	.0073	.2189	1.499	.0011	.4785

Elem	W_2397	Zn2062	Zr3391
Avg	-.0018	.4617	.1416
Stddev	.0068	.0007	.0018
%RSD	371.5	.1430	1.297
#1	-.0067	.4613	.1403
#2	.0030	.4622	.1429

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1445.5	58615.	11574.
Stddev	3.5	308.	170.
%RSD	.23899	.52553	1.4705
#1	1448.0	58398.	11694.
#2	1443.1	58833.	11454.

Zoom In Zoom Out

Sample Name: MP21470-PS1 Acquired: 8/7/2013 20:31:38 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	74.37	.0410	-.0017	.0215	1.288	.0049	17.27	.0019	.0568
Stddev	.0005	.02	.0001	.0011	.0009	.002	.0001	.00	.0002	.0004
%RSD	82.21	.0225	.1298	62.91	4.051	.1437	2.306	.0215	8.459	.7295
#1	-.0010	74.38	.0411	-.0009	.0221	1.287	.0048	17.26	.0018	.0571
#2	-.0003	74.35	.0410	-.0024	.0208	1.289	.0050	17.27	.0020	.0565

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1411	.0771	133.0	5.851	17.36	2.445	.0011	.8264	.0966	1.189
Stddev	.0014	.0013	.1	.003	.05	.001	.0001	.0077	.0003	.001
%RSD	.9676	1.745	.0846	.0495	.2762	.0364	8.839	.9311	.3123	.1129
#1	.1421	.0781	133.0	5.849	17.39	2.446	.0012	.8210	.0968	1.188
#2	.1402	.0762	133.1	5.853	17.32	2.445	.0010	.8318	.0964	1.190

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0040	.0033	-.0002	-.0009	6.126	.0078	.0873	2.032	.0032	.2596
Stddev	.0011	.0035	.0001	.0011	.031	.0004	.0001	.012	.0005	.0041
%RSD	27.77	104.5	41.31	119.4	.5114	4.548	.1276	.5832	16.51	1.567
#1	-.0032	.0009	-.0001	-.0001	6.104	.0076	.0874	2.040	.0028	.2625
#2	-.0048	.0058	-.0003	-.0017	6.148	.0081	.0872	2.023	.0036	.2567

Elem	W_2397	Zn2062	Zr3391
Avg	-.0006	.3806	.0694
Stddev	.0021	.0004	.0012
%RSD	328.2	.0951	1.756
#1	.0008	.3803	.0702
#2	-.0021	.3809	.0685

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1544.5	61825.	11919.
Stddev	1.3	33.	76.
%RSD	.08271	.05284	.63859
#1	1545.4	61848.	11865.
#2	1543.6	61802.	11973.

Zoom In Zoom Out

Sample Name: RINSECONF Acquired: 8/7/2013 20:35:56 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0107	.0005	.0024	-.0001	-.0002	.0001	.0018	-.0002	.0001
Stddev	.0001	.0024	.0007	.0003	.0002	.0001	.0000	.0005	.0001	.0004
%RSD	24.51	22.83	134.6	12.22	182.7	66.77	40.21	30.65	47.82	465.9
#1	-.0003	.0090	.0010	.0022	-.0003	-.0001	.0000	.0021	-.0003	.0004
#2	-.0002	.0124	.0000	.0026	.0000	-.0003	.0001	.0014	-.0001	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0004	.0006	.0124	.0555	-.0272	.0001	.0004	-.0061	-.0003	.0015
Stddev	.0000	.0003	.0008	.0258	.0141	.0001	.0001	.0151	.0002	.0001
%RSD	1.743	51.35	6.719	46.49	52.00	87.85	24.33	247.5	81.88	5.846
#1	-.0004	.0004	.0118	.0372	-.0172	.0000	.0003	-.0168	-.0001	.0014
#2	-.0004	.0008	.0130	.0737	-.0371	.0002	.0004	.0046	-.0004	.0015

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0019	-.0009	.0010	.0006	.0094	-.0002	-.0002	-.0002	-.0024	.0008
Stddev	.0008	.0024	.0000	.0002	.0001	.0001	.0001	.0001	.0003	.0002
%RSD	38.80	261.7	2.217	34.80	.7621	40.11	59.86	66.84	12.00	20.61
#1	-.0025	-.0026	.0010	.0008	.0094	-.0001	-.0003	-.0003	-.0022	.0007
#2	-.0014	.0008	.0010	.0005	.0095	-.0002	-.0001	-.0001	-.0026	.0009

Elem	W_2397	Zn2062	Zr3391
Avg	-.0054	-.0001	.0017
Stddev	.0023	.0001	.0001
%RSD	42.61	78.32	6.331
#1	-.0071	-.0001	.0017
#2	-.0038	-.0002	.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1394.2	54993.	10676.
Stddev	3.4	55.	93.
%RSD	.24157	.10045	.87266
#1	1396.6	54954.	10741.
#2	1391.8	55032.	10610.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 20:40:20 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2481	9.972	1.991	-.0022	2.034	1.849	1.908	9.631	2.006	2.075
Stddev	.0006	.024	.004	.0003	.003	.003	.004	.020	.002	.004
%RSD	.2382	.2420	.1846	11.20	.1327	.1430	.2139	.2093	.1109	.1785
#1	.2485	9.955	1.994	-.0021	2.036	1.848	1.905	9.617	2.007	2.078
#2	.2477	9.989	1.988	-.0024	2.032	1.851	1.911	9.645	2.004	2.072

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.944	1.989	9.327	9.388	9.288	2.019	2.001	9.955	1.937	1.931
Stddev	.001	.000	.003	.024	.042	.003	.003	.028	.004	.003
%RSD	.0237	.0209	.0313	.2557	.4516	.1314	.1339	.2808	.1859	.1343
#1	1.944	1.988	9.329	9.371	9.259	2.021	2.003	9.935	1.939	1.933
#2	1.943	1.989	9.325	9.405	9.318	2.017	1.999	9.975	1.934	1.929

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0011	.0021	2.013	2.006	.1192	2.005	1.941	1.984	2.014	2.001
Stddev	.0014	.0037	.003	.000	.0010	.007	.003	.000	.000	.004
%RSD	131.8	179.3	.1669	.0062	.8510	.3437	.1625	.0132	.0030	.2171
#1	-.0020	.0047	2.015	2.006	.1199	2.010	1.938	1.984	2.014	2.004
#2	-.0001	-.0006	2.010	2.006	.1185	2.000	1.943	1.985	2.014	1.998

Elem	W_2397	Zn2062	Zr3391
Avg	-.0004	1.892	.0085
Stddev	.0034	.004	.0017
%RSD	930.3	.2141	19.74
#1	-.0028	1.894	.0097
#2	.0020	1.889	.0073

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1365.0	53842.	10680.
Stddev	2.3	54.	44.
%RSD	.16866	.09966	.41438
#1	1363.4	53880.	10711.
#2	1366.6	53804.	10649.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 20:44:34 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	.0017	.0012	.0010	.0034	-.0001	.0001	-.0011	.0000	.0003
Stddev	.0003	.0022	.0008	.0004	.0004	.0002	.0001	.0027	.0000	.0002
%RSD	570.6	133.2	67.70	39.11	11.82	154.0	134.3	238.2	81.45	60.61
#1	-.0003	.0032	.0006	.0012	.0037	.0000	.0002	.0008	.0000	.0002
#2	.0002	.0001	.0018	.0007	.0031	-.0003	.0000	-.0030	.0000	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0006	.0004	-.0002	.0201	.0021	.0000	.0024	-.0145	-.0002	.0018
Stddev	.0002	.0000	.0009	.0199	.0077	.0000	.0007	.0077	.0000	.0004
%RSD	39.02	4.124	365.5	98.84	371.2	187.2	28.66	52.90	25.74	24.21
#1	-.0004	.0004	-.0009	.0342	.0075	.0000	.0028	-.0199	-.0001	.0015
#2	-.0008	.0004	.0004	.0061	-.0033	.0001	.0019	-.0091	-.0002	.0021

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0014	-.0050	.0008	.0015	.0068	.0007	.0000	-.0001	-.0001	.0009
Stddev	.0004	.0043	.0007	.0005	.0006	.0001	.000	.0001	.0000	.0008
%RSD	27.68	85.62	88.99	37.50	8.347	12.77	48.70	70.17	57.59	88.42
#1	-.0017	-.0020	.0012	.0018	.0064	.0007	-.0001	-.0001	-.0001	.0015
#2	-.0011	-.0080	.0003	.0011	.0072	.0006	.0000	.0000	.0000	.0003

Elem	W_2397	Zn2062	Zr3391
Avg	-.0044	.0000	-.0001
Stddev	.0042	.000	.0000
%RSD	93.81	373.6	23.53
#1	-.0074	.0000	-.0001
#2	-.0015	.0000	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1379.2	54305.	10619.
Stddev	.4	201.	52.
%RSD	.03204	.36951	.49024
#1	1379.6	54447.	10656.
#2	1378.9	54164.	10583.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 8/7/2013 20:49:00 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0051	.2040	.0107	.0009	.1050	.0478	.0041	4.866	.0042	.0525
Stddev	.0009	.0008	.0015	.0000	.0002	.0001	.0000	.015	.0001	.0001
%RSD	17.37	.4058	14.25	1.167	.1662	.2440	.2654	.3013	3.531	.1338
#1	.0045	.2046	.0097	.0009	.1048	.0477	.0041	4.855	.0041	.0525
#2	.0057	.2034	.0118	.0009	.1051	.0479	.0041	4.876	.0043	.0524

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0093	.0260	.1001	4.844	4.551	.0159	.1030	5.075	.0396	.0112
Stddev	.0001	.0006	.0033	.010	.015	.0001	.0002	.002	.0005	.0005
%RSD	1.434	2.349	3.277	.2135	.3205	.8052	.1946	.0439	1.315	4.068
#1	.0092	.0265	.0977	4.836	4.541	.0160	.1028	5.073	.0400	.0115
#2	.0094	.0256	.1024	4.851	4.561	.0158	.1031	5.076	.0392	.0109

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0022	-.0040	.0115	.0105	.0365	.0980	.0097	.0503	.0079	.0110
Stddev	.0002	.0024	.0009	.0005	.0003	.0001	.0000	.0003	.0001	.0008
%RSD	8.452	60.07	8.118	4.310	.8972	.1137	.2269	.4991	1.078	7.660
#1	-.0023	-.0057	.0108	.0108	.0363	.0980	.0097	.0504	.0080	.0115
#2	-.0021	-.0023	.0121	.0101	.0368	.0981	.0097	.0501	.0079	.0104

Elem	W_2397	Zn2062	Zr3391
Avg	-.0065	.0200	.0003
Stddev	.0040	.0000	.0000
%RSD	62.57	.1569	3.486
#1	-.0036	.0200	.0003
#2	-.0093	.0199	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1378.7	54242.	10727.
Stddev	2.2	76.	96.
%RSD	.15654	.13967	.89222
#1	1380.2	54188.	10795.
#2	1377.2	54296.	10659.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 8/7/2013 20:53:21 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	507.2	-.0004	.0036	.0044	-.0010	.0000	432.2	.0007	.0022
Stddev	.0002	9.0	.0001	.0019	.0002	.0001	.000	10.3	.0000	.0002
%RSD	63.00	1.779	13.91	53.62	4.599	6.520	206.1	2.382	7.085	10.41
#1	.0002	513.6	-.0004	.0022	.0046	-.0010	.0000	439.5	.0007	.0020
#2	.0005	500.8	-.0003	.0050	.0043	-.0009	-.0001	424.9	.0007	.0024

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0007	173.8	.0459	458.7	.0001	-.0003	.0595	-.0005	-.0014
Stddev	.0004	.0003	1.8	.0204	5.1	.0002	.0000	.0098	.0004	.0006
%RSD	176.3	34.55	1.056	44.55	1.113	297.2	2.896	16.52	97.86	38.56
#1	-.0001	.0006	175.1	.0604	462.3	-.0001	-.0003	.0665	-.0001	-.0018
#2	.0005	.0009	172.5	.0314	455.1	.0002	-.0003	.0526	-.0008	-.0010

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0370	-.0259	-.0009	-.0057	.0611	.0004	.0010	.0084	.0011	.0011
Stddev	.0035	.0039	.0004	.0016	.0017	.0002	.0003	.0002	.0003	.0004
%RSD	9.596	15.23	42.67	28.73	2.800	58.04	24.70	2.252	24.89	34.97
#1	-.0345	-.0231	-.0006	-.0045	.0599	.0006	.0009	.0085	.0009	.0009
#2	-.0395	-.0287	-.0012	-.0069	.0623	.0002	.0012	.0082	.0013	.0014

Elem	W_2397	Zn2062	Zr3391
Avg	-.0397	-.0006	.0008
Stddev	.0026	.0004	.0004
%RSD	6.578	65.73	53.94
#1	-.0378	-.0003	.0011
#2	-.0415	-.0009	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1241.8	50276.	10506.
Stddev	2.8	45.	162.
%RSD	.22370	.08857	1.5422
#1	1239.8	50245.	10391.
#2	1243.8	50308.	10620.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 8/7/2013 20:57:51 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.076	523.6	2.153	.4927	1.118	.4819	.4569	443.2	1.102	.5272
Stddev	.003	.5	.005	.0018	.002	.0008	.0016	2.1	.001	.0008
%RSD	.2751	.1012	.2117	.3718	.2061	.1742	.3411	.4789	.0870	.1455
#1	1.074	523.3	2.150	.4940	1.117	.4813	.4558	441.7	1.101	.5266
#2	1.078	524.0	2.156	.4914	1.120	.4825	.4580	444.7	1.102	.5277

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4849	.5355	176.1	.0644	465.4	.4933	1.041	.0596	.9534	.9981
Stddev	.0020	.0008	.4	.0355	.6	.0010	.002	.0043	.0000	.0030
%RSD	.4112	.1547	.2162	55.16	.1272	.2008	.2349	7.214	.0045	.2960
#1	.4835	.5349	175.8	.0393	464.9	.4926	1.039	.0566	.9534	.9960
#2	.4863	.5361	176.3	.0896	465.8	.4940	1.043	.0627	.9534	1.000

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.5088	.4799	2.196	2.139	2.245	1.061	.9676	.5092	2.169	.5165
Stddev	.0018	.0003	.005	.001	.003	.001	.0021	.0025	.005	.0054
%RSD	.3573	.0542	.2080	.0323	.1465	.1026	.2195	.4862	.2222	1.047
#1	.5101	.4800	2.193	2.139	2.247	1.061	.9661	.5074	2.165	.5126
#2	.5075	.4797	2.199	2.138	2.242	1.060	.9691	.5109	2.172	.5203

Elem	W_2397	Zn2062	Zr3391
Avg	1.794	.9279	.4411
Stddev	.025	.0001	.0021
%RSD	1.394	.0161	.4793
#1	1.776	.9278	.4396
#2	1.811	.9280	.4426

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1254.0	50558.	10384.
Stddev	1.3	50.	7.
%RSD	.10018	.09889	.06773
#1	1253.1	50594.	10379.
#2	1254.9	50523.	10389.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/7/2013 21:02:16 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2471	10.03	2.007	-.0020	2.043	1.843	1.908	9.731	2.004	2.085
Stddev	.0003	.02	.003	.0011	.001	.002	.001	.005	.003	.005
%RSD	.1230	.2116	.1245	55.61	.0516	.1171	.0606	.0482	.1525	.2289
#1	.2469	10.02	2.005	-.0028	2.043	1.844	1.909	9.728	2.006	2.089
#2	.2473	10.05	2.009	-.0012	2.042	1.841	1.907	9.734	2.002	2.082

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.951	2.001	9.314	9.345	9.265	2.028	2.012	9.958	1.943	1.941
Stddev	.002	.000	.021	.021	.060	.003	.001	.012	.004	.003
%RSD	.1227	.0045	.2200	.2230	.6514	.1427	.0643	.1216	.2069	.1529
#1	1.949	2.001	9.328	9.360	9.222	2.026	2.013	9.950	1.946	1.943
#2	1.952	2.001	9.299	9.330	9.307	2.030	2.011	9.967	1.940	1.939

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0025	-.0022	2.015	2.019	.1161	2.018	1.936	1.991	2.029	2.014
Stddev	.0013	.0008	.003	.004	.0018	.001	.004	.002	.003	.001
%RSD	51.80	36.41	.1373	.1753	1.516	.0570	.1819	.1156	.1675	.0474
#1	-.0034	-.0027	2.017	2.021	.1174	2.018	1.939	1.989	2.032	2.014
#2	-.0016	-.0016	2.013	2.016	.1149	2.017	1.934	1.993	2.027	2.015

Elem	W_2397	Zn2062	Zr3391
Avg	.0129	1.906	.0106
Stddev	.0051	.005	.0030
%RSD	39.57	.2471	28.54
#1	.0166	1.909	.0127
#2	.0093	1.903	.0084

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1381.4	54432.	10774.
Stddev	1.5	95.	11.
%RSD	.10576	.17395	.09954
#1	1380.4	54499.	10782.
#2	1382.4	54365.	10766.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/7/2013 21:06:29 Type: Unk
Method: Accutest -SS2(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	.0221	.0007	.0016	.0045	.0000	.0002	.0135	.0000	.0004
Stddev	.0001	.0018	.0001	.0018	.0002	.000	.0000	.0014	.0001	.0001
%RSD	12.33	8.257	8.290	117.2	5.281	705.4	2.095	10.11	232.1	31.84
#1	.0006	.0209	.0007	.0029	.0047	-.0001	.0002	.0145	.0001	.0005
#2	.0005	.0234	.0008	.0003	.0044	.0001	.0002	.0126	.0000	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0004	.0011	.0031	.0687	-.0249	.0000	.0026	.0002	.0001	.0018
Stddev	.0002	.0000	.0037	.0271	.0118	.0000	.0008	.0005	.0000	.0002
%RSD	51.36	3.558	119.7	39.53	47.53	35.32	29.81	243.3	26.04	12.62
#1	-.0003	.0011	.0005	.0878	-.0165	.0000	.0032	-.0002	.0001	.0019
#2	-.0005	.0011	.0058	.0495	-.0332	.0000	.0021	.0006	.0001	.0016

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0018	-.0045	.0014	.0019	.0064	.0009	-.0001	-.0002	.0013	.0008
Stddev	.0005	.0008	.0003	.0005	.0012	.0003	.0000	.0004	.0012	.0000
%RSD	24.79	18.07	18.37	26.84	19.39	39.16	41.44	215.4	94.49	1.371
#1	-.0015	-.0039	.0012	.0023	.0073	.0011	-.0001	-.0005	.0021	.0008
#2	-.0022	-.0051	.0016	.0015	.0055	.0006	-.0001	.0001	.0004	.0009

Elem	W_2397	Zn2062	Zr3391
Avg	.0013	.0002	-.0003
Stddev	.0042	.0001	.0002
%RSD	313.8	69.72	61.96
#1	.0043	.0003	-.0001
#2	-.0016	.0001	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1403.5	54655.	10553.
Stddev	4.9	239.	652.
%RSD	.35162	.43662	6.1829
#1	1400.1	54486.	10091.
#2	1407.0	54824.	11014.

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	0.000017	0.000000	No
			Co	-0.000006	0.000000	No
			Mn	0.000137	0.000000	No
			Mo	-0.000162	0.000000	No
			Cu	0.000019	0.000000	No
			Ti	-0.000128	0.000000	No
			Al	-0.000002	0.000000	No
			Zr	0.003788	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.002364	0.000000	No
			Mo	0.041263	0.000000	No
			Ca	0.000141	0.000000	No
As 189.042 {479}	☒	9	V	0.000189	0.000000	No
			Al	0.000019	0.000000	No
			Mo	0.000740	0.000000	No
			Fe	0.000004	0.000000	No
			Mn	0.000152	0.000000	No
			Ca	0.000004	0.000000	No
			Mg	0.000002	0.000000	No
			Cr	0.000258	0.000000	No
			Na	-0.000000	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000122	0.000000	No
			Mn	0.010681	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.014361	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000005	0.000000	No
Be 313.042 {108}	☒	3	V	0.000021	0.000000	No
			Mo	-0.000032	0.000000	No
			Ti	-0.000279	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	5	Ni	-0.000027	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000011	0.000000	No
			Ca	0.000001	0.000000	No
			Pt	-0.011956	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000053	0.000000	No
			Mo	-0.000136	0.000000	No
			Ti	0.002259	0.000000	No
			Ca	-0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000004	0.000000	No
			Mn	0.000091	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000084	0.000000	No
			V	-0.000207	0.000000	No
			Mo	0.000473	0.000000	No
			Co	-0.000350	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000483	0.000000	No
			Co	0.000765	0.000000	No
			Cr	0.002515	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000008	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000129	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Al	0.000546	0.000000	No
Ni 231.604 {446}	☒	3	Mo	0.000178	0.000000	No
			Fe	0.000011	0.000000	No
			Ca	-0.000001	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000074	0.000000	No
			Mn	0.000186	0.000000	No
			Mo	-0.001587	0.000000	No
			Co	0.000092	0.000000	No
			Cu	0.000188	0.000000	No
			Ca	0.000000	0.000000	No
			Fe	0.000035	0.000000	No
			Mg	0.000005	0.000000	No
			Ni	0.000225	0.000000	No
			Si	0.000281	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000351	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.007692	0.000000	No
			Ni	0.000902	0.000000	No
			Mn	-0.007038	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
Sb 206.833 {463}	☒	12	Al	0.000002	0.000000	No
			Fe	0.000013	0.000000	No
			Cr	0.008643	0.000000	No
			Mo	-0.000086	0.000000	No
			Mg	-0.000001	0.000000	No
			Ni	0.000013	0.000000	No
			V	-0.001589	0.000000	No
			Ca	0.000002	0.000000	No
			Ti	-0.000210	0.000000	No
			Cu	0.000176	0.000000	No
			Sn	-0.007401	0.000000	No
			Pt	-0.002057	0.000000	No
Se 196.090 {472}	☒	8	Al	-0.000003	0.000000	No
			Fe	-0.000184	0.000000	No
			Mn	0.000380	0.000000	No
			Mo	0.000059	0.000000	No
			Ca	-0.000002	0.000000	No
			Na	0.000000	0.000000	No
			Co	-0.000586	0.000000	No
			Pd	-0.003371	0.000000	No
Si 212.412 {459}	☒	3	V	0.027489	0.000000	No
			Ti	0.015670	0.000000	No
			Mo	0.031283	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.000822	0.000000	No
			Cr	-0.000079	0.000000	No
			V	-0.028580	0.000000	No
			Co	0.001503	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Al	-0.000009	0.000000	No
				Fe	0.000007	0.000000	No
				Ti	-0.001590	0.000000	No
				Mo	-0.000147	0.000000	No
				Ca	-0.000005	0.000000	No
				Na	0.000006	0.000000	No
	V 292.402 {115}	☒	3	Ti	0.000455	0.000000	No
				Mo	-0.000818	0.000000	No
				Fe	0.000018	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000106	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000013	0.000000	No
				Mn	-0.000026	0.000000	No
				Ni	0.000026	0.000000	No
				Cr	-0.000478	0.000000	No
				Mo	0.000147	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000003	0.000000	No
				Na	0.000000	0.000000	No
	Zr 339.198 { 99}	☒	6	Si	0.000182	0.000000	No
				Ti	0.000195	0.000000	No
				Fe	0.000024	0.000000	No
				Sn	0.002296	0.000000	No
				Au	0.002269	0.000000	No
				Ba	0.000845	0.000000	No

Folder: #HG18 **PUBLIC FOLDER ** Page 1
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 775	09:19:27 13 Aug 13	HG		
Hg	.000	ppb	361					
*** Standard: 2 Rep: 1				Seq: 776	09:21:49 13 Aug 13	HG		
Hg	.200	ppb	1684					
*** Standard: 3 Rep: 1				Seq: 777	09:24:52 13 Aug 13	HG		
Hg	.500	ppb	4171					
*** Standard: 4 Rep: 1				Seq: 778	09:27:15 13 Aug 13	HG		
Hg	1.00	ppb	7893					
*** Standard: 5 Rep: 1				Seq: 779	09:30:12 13 Aug 13	HG		
Hg	2.00	ppb	16087					
*** Standard: 6 Rep: 1				Seq: 780	09:33:18 13 Aug 13	HG		
Hg	3.00	ppb	23993					
*** Standard: 7 Rep: 1				Seq: 781	09:35:41 13 Aug 13	HG		
Hg	4.00	ppb	31303					
*** Standard: 8 Rep: 1				Seq: 782	09:38:46 13 Aug 13	HG		
Hg	5.00	ppb	38097					
*** Standard: 9 Rep: 1				Seq: 783	09:41:09 13 Aug 13	HG		
Hg	6.00	ppb	45395					
*** Sample ID: ICV			H2081313S1	Seq: 784	09:44:08 13 Aug 13	HG		
Hg	3.61	ppb	.000	3.61				
*** Sample ID: ICB			H2081313S1	Seq: 785	09:46:33 13 Aug 13	HG		
Hg	-.038	ppb	.000	-.038				

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Sample ID: CCV        H2081313S1 Seq:  786    09:49:18 13 Aug 13   HG

Hg    3.02    ppb       .000      3.02
                                                                        =
================================================================================
*** Sample ID: CCB        H2081313S1 Seq:  787    09:51:40 13 Aug 13   HG

Hg   -.018    ppb       .000     -.018
                                                                        =
================================================================================
*** Sample ID: CRI        H2081313S1 Seq:  788    09:54:03 13 Aug 13   HG

Hg    .168    ppb       .000      .168
                                                                        =
================================================================================
*** Sample ID: MP21487MB1 H2081313S1 Seq:  789    09:57:44 13 Aug 13   HG

Hg   -.057    ppb       .000     -.057
                                                                        =
================================================================================
*** Sample ID: MP21487-B1 H2081313S1 Seq:  790    10:00:18 13 Aug 13   HG

Hg    2.79    ppb       .000      2.79
                                                                        =
================================================================================
*** Sample ID: MP21487-B2 H2081313S1 Seq:  791    10:02:51 13 Aug 13   HG

Hg    2.76    ppb       .000      2.76
                                                                        =
================================================================================
*** Sample ID: MP21487-S1 H2081313S1 Seq:  792    10:05:36 13 Aug 13   HG
                          MC23415-1
Hg    5.26    ppb       .000      5.26
                                                                        =
================================================================================
*** Sample ID: MP21487-S2 H2081313S1 Seq:  793    10:08:14 13 Aug 13   HG
                          MC23415-1
Hg    4.70    ppb       .000      4.70
                                                                        =
================================================================================
*** Sample ID: MC23415-1  H2081313S1 Seq:  794    10:10:36 13 Aug 13   HG

Hg    1.99    ppb       .000      1.99
                                                                        =
================================================================================
*** Sample ID: MP21487LC1 H2081313S1 Seq:  795    10:13:01 13 Aug 13   HG
                                                  Wgt 1.0000 Vol 10.000
Hg    24.2    ppb       .000      24.2
                                                                        =
================================================================================
```

Folder: #HG18 **PUBLIC FOLDER ** Page 3
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC23272-6 H2081313S1 Seq: 796 10:15:33 13 Aug 13 HG								
Hg	.541	ppb	.000	.541				
*** Sample ID: MC23273-23 H2081313S1 Seq: 797 10:18:05 13 Aug 13 HG								
Hg	-.010	ppb	.000	-.010				
*** Sample ID: CCV H2081313S1 Seq: 798 10:23:23 13 Aug 13 HG								
Hg	2.63	ppb	.000	2.63				
*** Sample ID: CCB H2081313S1 Seq: 799 10:25:48 13 Aug 13 HG								
Hg	-.052	ppb	.000	-.052				
*** Sample ID: MC23391-1 H2081313S1 Seq: 800 10:28:11 13 Aug 13 HG								
Hg	.331	ppb	.000	.331				
*** Sample ID: MC23391-2 H2081313S1 Seq: 801 10:31:08 13 Aug 13 HG								
Hg	.074	ppb	.000	.074				
*** Sample ID: MC23391-3 H2081313S1 Seq: 802 10:33:32 13 Aug 13 HG								
Hg	.080	ppb	.000	.080				
*** Sample ID: MC23391-4 H2081313S1 Seq: 803 10:36:14 13 Aug 13 HG								
Hg	.169	ppb	.000	.169				
*** Sample ID: MC23391-5 H2081313S1 Seq: 804 10:38:59 13 Aug 13 HG								
Hg	.142	ppb	.000	.142				
*** Sample ID: MC23391-6 H2081313S1 Seq: 805 10:41:25 13 Aug 13 HG								
Hg	-.060	ppb	.000	-.060				

Folder: #HG18 **PUBLIC FOLDER ** Page 4
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC23391-7 H2081313S1 Seq: 806 10:43:48 13 Aug 13 HG								
Hg	.171	ppb	.000	.171				
*** Sample ID: MC23391-8 H2081313S1 Seq: 807 10:46:21 13 Aug 13 HG								
Hg	-.041	ppb	.000	-.041				
*** Sample ID: MC23391-9 H2081313S1 Seq: 808 10:48:56 13 Aug 13 HG								
Hg	.267	ppb	.000	.267				
*** Sample ID: MC23391-10 H2081313S1 Seq: 809 10:51:19 13 Aug 13 HG								
Hg	.293	ppb	.000	.293				
*** Sample ID: CCV H2081313S1 Seq: 810 10:55:44 13 Aug 13 HG								
Hg	3.01	ppb	.000	3.01				
*** Sample ID: CCB H2081313S1 Seq: 811 10:58:28 13 Aug 13 HG								
Hg	-.038	ppb	.000	-.038				
*** Sample ID: MC23404-2 H2081313S1 Seq: 812 11:00:50 13 Aug 13 HG								
Hg	-.006	ppb	.000	-.006				
*** Sample ID: MC23416-1 H2081313S1 Seq: 813 11:03:13 13 Aug 13 HG								
Hg	.212	ppb	.000	.212				
*** Sample ID: MC23435-1 H2081313S1 Seq: 814 11:05:36 13 Aug 13 HG								
Hg	-.032	ppb	.000	-.032				
*** Sample ID: MC23435-2 H2081313S1 Seq: 815 11:08:04 13 Aug 13 HG								
Hg	-.051	ppb	.000	-.051				

Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC23435-3 H2081313S1 Seq: 816 11:10:32 13 Aug 13 HG								
Hg	-.041	ppb	.000	-.041				
*** Sample ID: MC23435-4 H2081313S1 Seq: 817 11:13:05 13 Aug 13 HG								
Hg	-.031	ppb	.000	-.031				
*** Sample ID: MC23435-5 H2081313S1 Seq: 818 11:15:38 13 Aug 13 HG								
Hg	-.021	ppb	.000	-.021				
*** Sample ID: CRI H2081313S1 Seq: 819 11:19:29 13 Aug 13 HG								
Hg	.159	ppb	.000	.159				
*** Sample ID: CRI H2081313S1 Seq: 820 11:21:55 13 Aug 13 HG								
Hg	.208	ppb	.000	.208				
*** Sample ID: CCV H2081313S1 Seq: 821 11:24:17 13 Aug 13 HG								
Hg	2.96	ppb	.000	2.96				
*** Sample ID: CCB H2081313S1 Seq: 822 11:26:43 13 Aug 13 HG								
Hg	-.042	ppb	.000	-.042				

Prep QC: MP21470

ACCUTEST

Date:	08/07/13
Time	11:00

Name:	ERICM
MP Batch ID:	MP21470
QC Sample ID:	JB42561-22T

Reagent Lot #	
1:1 HNO3	RGT-36720-METALS
1:1 HCL	RGT-36811-METALS
Conc HNO3	VENDOR-13688
H2O2	VENDOR-13257
LCS	VENDOR-13656
Filter Paper Lot #	11013171
Digetion Tube Lot #	MM01LKK0; MH21KK06

Aqueous EPA 200.7/ 200.8	○
Aqueous SW846 3010A	○
Soil- SW846 3050B	◉

ML Used	Spike Lot#
1	RGT-36830-METALS
1	RGT-36766-METALS
1	RGT-36812-METALS
1	RGT-36794-METALS
Spike ID	MPICP

Dig Block ID:	5	Therm ID	QA010	Temp. C	95	Factor	-1.5	Corrected Temp C	93.5
Dig Block ID:		Therm ID		Temp. C		Factor		Corrected Temp C	
Balance ID:	ACC-3	Repipetor ID	3						

Note: (A)Serial dilution shown for QC purposes only (not a seperate digestion). (B) For DW samples <1NTU, measure pH prior to analysis.

Bot#	Sample #	Initial G	Final (ML)			1:1 HNO3 (ML)	Conc. HNO3 (ML)	1:1 HCL (ML)	H2O2 (ML)	Comment
	MP21470-LC1	1	100			10	5	10	3	
	MP21470-MB1	1	100			10	5	10	3	
	MP21470-B1	1	100			10	5	10	3	
1	MP21470-S1	1.35	100			10	5	10	3	
1	MP21470-SD1	1.35	100			10	5	10	3	
1	MP21470-S2	1.35	100			10	5	10	3	
1	JB42561-22T	1.35	100			10	5	10	3	
1	MC23272-6	1.19	100			10	5	10	3	
1	MC23273-23	1.17	100			10	5	10	3	

Protected Worksheet MMP003-02 QC Review EAL Date: 08/07/13

(Format edits must be done by dept. Manager)

9.3.1 9

HG SO: SW846 7471B

AQ ○ SO ◉ **Analysis: Hg**

Protected Worksheet
Format edits must be done by Dept. Manager

MP#	MP21487	Date	8/12/13	Balance ID	ACC-3	Pipet ID	N/A	Prep Analyst	EM				
Dig Block ID	5	Therm ID	QA010	Temp	96	Factor	-1.5	Corr. Temp. Deg C	94.5	Start Time	9:15	End Time	9:45
Dig Block ID	5	Therm ID	QA010	Temp	96	Factor	-1.5	Corr. Temp. Deg C	94.5	Start Time	10:02	End Time	10:32
MA#	MA15973	Date	8/13/13	Run File	H2081313S1.PRN			Calib File	2081313S			Analyst	SARAHA

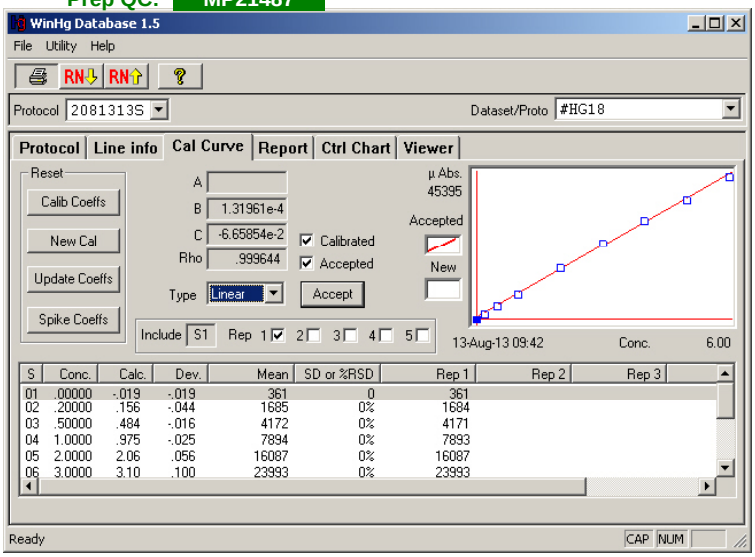
Bot#	Sample ID	Init G	Fin ML	Block ID	Comments	Bot#	Sample ID	Init G	Fin ML	Block ID	Comments
	RB		100	5		2	MC23391-1	0.62	100	5	
	STD#1		100	5	2 ml of METSTD 30869 Hg- 2	2	MC23391-2	0.64	100	5	
	STD#2		100	5	5 ml of METSTD 30869 Hg- 2	2	MC23391-3	0.66	100	5	
	STD#3		100	5	1 ml of METSTD 30869 Hg- 1	2	MC23391-4	0.65	100	5	
	STD#4		100	5	2 ml of METSTD 30869 Hg- 1	2	MC23391-5	0.72	100	5	
	STD#5		100	5	3 ml of METSTD 30869 Hg- 1	2	MC23391-6	0.65	100	5	
	STD#6		100	5	4 ml of METSTD 30869 Hg- 1	1	MC23391-7	0.8	100	5	
	STD#7		100	5	5 ml of METSTD 30869 Hg- 1	2	MC23391-8	0.73	100	5	
	STD#8		100	5	6 ml of METSTD 30869 Hg- 1	2	MC23391-9	0.63	100	5	
	ICV		100	5	4 ml of METSTD 30870 Hg- 1	1	MC23391-10	0.62	100	5	
	CCV		100	5	3 ml of METSTD 30869 Hg- 1	1	MC23404-2	0.63	100	5	
	CRI		100	5	2 ml of METSTD 30869 Hg- 2	2	MC23416-1	0.67	100	5	
	ICB		100	5		1	MC23435-1	0.72	100	5	
	CCB		100	5		1	MC23435-2	0.76	100	5	
*	MB	0.6	100	5		1	MC23435-3	0.73	100	5	
*	SB	0.6	100	5	3 ml of METSTD 30869 Hg- 1	1	MC23435-4	0.75	100	5	
*	SBD	0.6	100	5	3 ml of METSTD 30869 Hg- 1	1	MC23435-5	0.73	100	5	
1	MS MC23415-1	0.63	100	5	3 ml of METSTD 30869 Hg- 1		MP21487-LC1	0.6	100	5	VENDOR-13656.
1	MSD MC23415-1	0.63	100	5	3 ml of METSTD 30869 Hg- 1						
1	MC23415-1	0.63	100	5							
1	MC23272-6	0.65	100	5							
1	MC23273-23	0.62	100	5							

Reagent Lot#

Pot. Permanganate	RGT- 36803 _HG	Stannous Chloride	RGT- 37005 _HG	Conc. HNO3	Vendor- ***N/A***
Aqua Regia	RGT- 36990 _HG	Stannous Sulfate	RGT- ****N/A**** _HG	Conc. H2SO4	Vendor- ***N/A***
Hydroxylamine.SO4	RGT- 36665 _HG	Instrument ID:	HG-2	Dig.Tubes	MM01LKK0

Comment: * SAND USED : VENDOR-12599.

QC Review: PuiY **Date:** 8/13/13 **MMA015-02**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Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 1.31961e-4
C -6.65854e-2
Rho .999644
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Conc. 6.00
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 -.019 -.019 361 0 361
02 .20000 .156 -.044 1685 0% 1684
03 .50000 .484 -.016 4172 0% 4171
04 1.0000 .975 -.025 7894 0% 7893
05 2.0000 2.06 .056 16087 0% 16087
06 3.0000 3.10 .100 23993 0% 23993
Ready
CAP NUM

New England ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP16428/GN43900	0.12	0.0	mg/kg	1.2	1.27	105.8	90-110%
Cyanide	GP16428/GN43900			mg/kg	2.4	2.50	104.2	90-110%
Cyanide	GP16428/GN43900			mg/kg	60.7	57.8	95.2	16-110%

Associated Samples:
Batch GP16428: MC23273-23
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Cyanide	GP16428/GN43900	mg/kg	1.2	1.26	0.8	

Associated Samples:
Batch GP16428: MC23273-23
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP16428/GN43900	MC23272-6	mg/kg	0.45	0.46	2.2	0-20%
Solids, Percent	GN43927	MC23376-1	%	95.5	95.1	0.4	0-20%

Associated Samples:
Batch GN43927: MC23273-23
Batch GP16428: MC23273-23
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP16428/GN43900	MC23272-6	mg/kg	0.45	1.4	1.6	82.3	75-125%

Associated Samples:
Batch GP16428: MC23273-23
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: 080713S1.CN Date Analyzed: 08/07/13 Methods: SW846 9012 M
Analyst: MA Run ID: GN43900
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:45	GN43900-STD1	1		STDA0.50
13:46	GN43900-STD2	1		STDC0.30
13:47	GN43900-STD3	1		STDD0.20
13:48	GN43900-STD4	1		STDE0.10
13:49	GN43900-STD5	1		STDG0.030
13:51	GN43900-STD6	1		STDH0.010
13:52	GN43900-STD7	1		STDI0.00
13:54	GN43900-ICV1	1		
13:55	GN43900-ICB1	1		
13:56	GN43900-CCV1	1		
13:57	GN43900-CCB1	1		
13:58	GP16428-MB1	1		
13:59	GP16428-B1	1		
14:01	GP16428-B2	1		
14:02	GP16428-B3	1		
14:03	GP16428-LC1	20		
14:04	GP16428-S1	1		
14:05	GP16428-D1	1		
14:06	MC23272-6	1		(sample used for QC only; not part of login MC23273)
14:07	ZZZZZZ	1		
14:08	ZZZZZZ	1		
14:09	GN43900-CCV2	1		
14:10	GN43900-CCB2	1		
14:11	MC23273-23	1		
14:12	ZZZZZZ	1		
14:13	ZZZZZZ	1		
14:14	GN43900-CCV3	1		
14:15	GN43900-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: MC23273
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: 080713S1.CN Date Analyzed: 08/07/13 Methods: SW846 9012 M
Run ID: GN43900 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN43900-ICV1	Cyanide	0.21	0.010	0.0021	.2	105.0	90-110
GN43900-ICB1	Cyanide	-0.0022	0.010	0.0021			
GN43900-CCV1	Cyanide	0.30	0.010	0.0021	.3	100.0	90-110
GN43900-CCB1	Cyanide	-0.0058	0.010	0.0021			
GN43900-CCV2	Cyanide	0.30	0.010	0.0021	.3	100.0	90-110
GN43900-CCB2	Cyanide	-0.0064	0.010	0.0021			
GN43900-CCV3	Cyanide	0.31	0.010	0.0021	.3	103.3	90-110
GN43900-CCB3	Cyanide	-0.0062	0.010	0.0021			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: MC23273
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MC23273-23 **Analyzed:** 08-AUG-13 by CF **Method:** SM21 2540 B MOD.
ClientID: SB-246/10-12'

Wet Weight (Total)	36.078	g
Tare Weight	27.763	g
Dry Weight (Total)	35.219	g
Solids, Percent	89.7	%

New England ACCUTEST LABORATORIES

General Chemistry

Raw Data

ACCUTEST

Protected Worksheet MGN117-02
(Format edits must be done by Dept. manager)

Analyst	MEHDIA	**Test/Analysis**	CN SW846 9012
Date	8/7/13	**Analysis Batch ID**	GN43900
Instrument ID	LACHAT	**Prep Batch ID**	GP16428
File ID	080713S1.CN		

Reagents

Calib STD	GNSTD-	30829-CN	**Buffer**	RGT-	36783-CN
ICV	GNSTD-	30826-CN-2	**Carrier**	RGT-	36280-CN
CCV	GNSTD-	30829-CN-4	**Chloramine-T**	RGT-	36848-CN
Silver Nitrate	RGT-	36472-CN	**Pyridine Barb. Acid**	RGT-	36849-CN
Rhodanine indicator	RGT-	36473-CN	**CN STOCK STD**	GNSTD-	30830-CN

Standardization

Reagent/Stock Std:		NA ○		Cyanide ◉			
Volume of DI/Blank	250	Ml of AgNO3 for Blank	0	Volume of Std	250	Ml of AgNO3 for Stock	2.5
Conc. Of Stock Calib STD (mg/L)		1000					

Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH

COMMENTS

Cyanide stock standardization was pperformed on 08/07/13.

QC Review **Date:** 8/9/13

ACCUTEST

Distillation

Protected Worksheet MGN127-01

(Format edits must be done by Dept. manager)

Analyst:	MEHDIA	Date	8/7/13	Batch ID	GP16428	Matrix	Solids
QC Sample	MC23272-6	Balance ID	ACC-4	pH Meter ID	N/A	Block ID	MICRO

Analysis Type

CN EPA 335.4 ○	CN SW846 9010B ◉	CN-A SM21 4500CN-G/335.4 ○	CN-A SW846 9010 ○
PAC MADEP ○	CREAC Chap 7 ○	SREAC Chap7 ○	CNWAD SM20 4500CN-I ○

Sample ID	Bot #	ID	Interfere Chk CL	Interfere Chk S	Init. pH	SMPL Amt G	DIST Vol ML	Start Time	End Time	Comments/Spike
GP16428-LC1		N/A	ND	ND	>12	0.5	6	9:55	10:25	VENDOR-13516
GP16428-MB1	*	N/A	ND	ND	>12	0.5	6	9:55	10:25	
GP16428-B1	*	N/A	ND	ND	>12	0.5	6	9:55	10:25	0.10 ML OF SPIKE
GP16428-S1	1	N/A	ND	ND	>12	0.501	6	9:55	10:25	0.10 ML OF SPIKE
GP16428-D1	1	N/A	ND	ND	>12	0.518	6	9:55	10:25	
GP16428-B2	*	N/A	ND	ND	>12	0.5	6	9:55	10:25	0.10 ML OF SPIKE
GP16428-B3	*	N/A	ND	ND	>12	0.5	6	9:55	10:25	0.20 ML OF SPIKE
MC23133-1	1	N/A	ND	ND	>12	0.517	6	9:55	10:25	
MC23214-1	1	N/A	ND	ND	>12	0.525	6	9:55	10:25	
MC23272-6	1	N/A	ND	ND	>12	0.509	6	9:55	10:25	
MC23273-23	1	N/A	ND	ND	>12	0.52	6	9:55	10:25	
MC23325-1	1	N/A	ND	ND	>12	0.545	6	9:55	10:25	
MC23325-2	1	N/A	ND	ND	>12	0.502	6	9:55	10:25	
ICV		N/A	ND	ND	>12	6 ML	6	9:55	10:25	0.20 ML OF ICV SPIKE

8-7-13

Reagent Lot # (Refer to Indivdual SOP for amounts added)

Sulfamic Acid	VENDOR-5746	Spike Solution	GNSTD-30825-CN-2
Conc. H2SO4	VENDOR-13484	ICV Stock Solution	GNSTD-30826-CN-2
NaOH	RGT-36753-CN	0.25N NAOH	RGT-36280-CN
MgCl2.6H2O	RGT-35456-CN	N/A	
Bismuth Nitrate	N/A	N/A	

Comment: * USED SAND VENDOR-12599.

QC Review _____ Date 8/9/13

11.1 11

Author: chemistry

Date : 8/7/2013

Original Run Filename: OM_8-7-2013_01-44-45PM.OMN Created: 8/7/2013 1:44:45 PM
Original Run Author's Signature: [chemistry]
Current Run Filename: OM_8-7-2013_01-44-45PM.OMN Last Modified: 8/7/2013 2:17:20 PM
Current Run Author's Signature: [chemistry]
Description: Default New Run

Sample	Rep.	Channel 1 Cn (mg/L)	ADF
StdA0.50	1	0.500	
StdC0.30	1	0.300	
StdD0.20	1	0.200	
StdE0.10	1	0.100	
StdG0.030	1	0.0300	
StdH0.010	1	0.0100	
StdI0.00	1	0.00	
ICV	1	0.207	
Calibration:		Table/Fig. : 1	
ICB	1	-2.19e-3	
CCV	1	0.303	
CCB	1	-5.82e-3	
GP16428-MB1	1	-2.76e-3	
GP16428-B1	1	0.106	
GP16428-B2	1	0.105	
GP16428-B3	1	0.208	
GP16428-LC1	1	0.241	
GP16428-S1	1	0.117	
GP16428-D1	1	0.0337	
MC23272-6	1	0.0325	
MC23133-1	1	-7.63e-4	
MC23214-1	1	0.0175	
CCV	1	0.300	
CCB	1	-6.44e-3	
MC23273-23	1	0.0554	
MC23325-1	1	-4.78e-3	
MC23325-2	1	-1.83e-3	
CCV	1	0.305	
CCB	1	-6.20e-3	

Table : 1 (Cn)

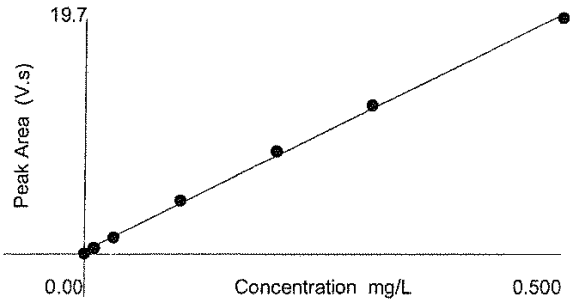
	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	19.7	1.10	0.0	1.7	0.491	8/7/2013	1:45:40 PM
2	0.300	1	12.4	0.699	0.0	-2.0	0.306	8/7/2013	1:46:45 PM
3	0.200	1	8.56	0.486	0.0	-4.6	0.209	8/7/2013	1:47:50 PM
4	0.100	1	4.48	0.256	0.0	-5.5	0.106	8/7/2013	1:48:54 PM
5	0.0300	1	1.41	0.0804	0.0	5.0	0.0283	8/7/2013	1:49:59 PM
6	0.0100	1	0.513	0.0286	0.0	26.5	5.54e-3	8/7/2013	1:51:03 PM
7	0.00	1	0.0450	3.03e-3			-6.31e-3	8/7/2013	1:52:08 PM

8/9/13

Author: chemistry

Date : 8/7/2013

Figure : 1 (Cn)



Area = 39.4 * Conc + 0.304
Conc = 0.0253 * Area - 7.46e-3
Correlation Coefficient (r) = 0.99926

Weighting : None

- 2 -

8/9/13

New England ACCUTEST LABORATORIES

09/03/13

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC23273R

Sampling Dates: 07/30/13 - 08/02/13

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **149**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) ISO 17025:2005 (L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC23273R

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC23273-1R	07/30/13	10:45	GB	08/03/13	SO	Soil	SB-200/8.5-9'
MC23273-4R	07/30/13	12:56	GB	08/03/13	SO	Soil	SB-203/14'
MC23273-6R	07/30/13	15:00	GB	08/03/13	SO	Soil	SB-205/3'
MC23273-9R	07/31/13	09:30	GB	08/03/13	SO	Soil	SB-209/27'
MC23273-10R	07/31/13	10:08	GB	08/03/13	SO	Soil	SB-210/12'
MC23273-21R	08/02/13	09:25	GB	08/03/13	SO	Soil	SB-240/1'
MC23273-22R	08/02/13	10:05	GB	08/03/13	SO	Soil	SB-242/0-1.5'
MC23273-24R	08/02/13	15:15	GB	08/03/13	SO	Soil	SB-248/15'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	WSP Environmental & Energy	**Job No**	MC23273R
Site:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca,	**Report Date**	8/30/2013 6:53:42 PM

8 Sample(s) were collected on between 07/30/2013 and 08/02/2013 and were received at Accutest on 08/03/2013 properly preserved, at 0.5 Deg. C and intact. These Samples received an Accutest job number of MC23273R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix SO **Batch ID:** MP21555

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23749-2MSD, MC23749-2PS, MC23749-2SDL, MC23749-2MS were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Lead are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity. Post spike within acceptable range.
- Matrix Spike Duplicate Recovery(s) for Lead are outside control limits. Spike duplicate recovery indicates possible matrix interference and/or sample nonhomogeneity.
- RPD(s) for Serial Dilution for Arsenic, Cadmium, Selenium, Silver are outside control limits for sample MP21555-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP21555-SD1 for Lead: Serial dilution indicates possible matrix interference.

Metals By Method SW846 7471B

Matrix SO **Batch ID:** MP21554

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23794-1MS, MC23794-1MSD were used as the QC samples for metals.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix SO **Batch ID:** GN44102

- Sample(s) MC23735-5DUP were used as the QC samples for Solids, Percent.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC23273R).

Summary of Hits

Job Number: MC23273R
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Collected: 07/30/13 thru 08/02/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC23273-1R	**SB-200/8.5-9'**					
Arsenic		17.6	0.89	0.19	mg/kg	SW846 6010C
Barium		118	4.4	0.065	mg/kg	SW846 6010C
Cadmium		0.63	0.36	0.038	mg/kg	SW846 6010C
Chromium		92.7	0.89	0.085	mg/kg	SW846 6010C
Lead		136	0.89	0.15	mg/kg	SW846 6010C
Mercury		0.087	0.034	0.0099	mg/kg	SW846 7471B
MC23273-4R	**SB-203/14'**					
Arsenic		41.6	0.99	0.21	mg/kg	SW846 6010C
Barium		120	5.0	0.072	mg/kg	SW846 6010C
Cadmium		0.85	0.40	0.042	mg/kg	SW846 6010C
Chromium		389	0.99	0.094	mg/kg	SW846 6010C
Copper		1870	5.0	1.1	mg/kg	SW846 6010C
Lead		73.9	0.99	0.17	mg/kg	SW846 6010C
Mercury		0.16	0.036	0.011	mg/kg	SW846 7471B
MC23273-6R	**SB-205/3'**					
Arsenic		12.5	0.94	0.19	mg/kg	SW846 6010C
Barium		464	4.7	0.068	mg/kg	SW846 6010C
Cadmium		0.54	0.37	0.040	mg/kg	SW846 6010C
Chromium		78.1	0.94	0.089	mg/kg	SW846 6010C
Lead		61.3	0.94	0.16	mg/kg	SW846 6010C
Mercury		0.12	0.036	0.010	mg/kg	SW846 7471B
MC23273-9R	**SB-209/27'**					
Arsenic		18.2	0.90	0.19	mg/kg	SW846 6010C
Barium		2070	9.0	0.13	mg/kg	SW846 6010C
Cadmium		0.34 B	0.36	0.038	mg/kg	SW846 6010C
Chromium		33.2	0.90	0.086	mg/kg	SW846 6010C
Lead		28.4	0.90	0.15	mg/kg	SW846 6010C
Mercury		0.078	0.034	0.010	mg/kg	SW846 7471B
MC23273-10R	**SB-210/12'**					
Arsenic		13.7	0.93	0.19	mg/kg	SW846 6010C
Barium		2800	23	0.34	mg/kg	SW846 6010C
Cadmium		0.91	0.37	0.039	mg/kg	SW846 6010C
Chromium		63.7	0.93	0.088	mg/kg	SW846 6010C
Lead		237	0.93	0.16	mg/kg	SW846 6010C
Mercury		0.33	0.037	0.011	mg/kg	SW846 7471B

Summary of Hits

Job Number: MC23273R
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Collected: 07/30/13 thru 08/02/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Silver		0.12 B	0.46	0.12	mg/kg	SW846 6010C
MC23273-21R	**SB-240/1'**					
Arsenic		8.0	0.95	0.20	mg/kg	SW846 6010C
Barium		107	4.7	0.069	mg/kg	SW846 6010C
Cadmium		0.17 B	0.38	0.040	mg/kg	SW846 6010C
Chromium		7.0	0.95	0.090	mg/kg	SW846 6010C
Lead		24.0	0.95	0.16	mg/kg	SW846 6010C
Mercury		0.048	0.032	0.0093	mg/kg	SW846 7471B
Selenium		1.3	0.95	0.33	mg/kg	SW846 6010C
MC23273-22R	**SB-242/0-1.5'**					
Arsenic		3.6	0.95	0.20	mg/kg	SW846 6010C
Barium		162	4.8	0.069	mg/kg	SW846 6010C
Cadmium		0.095 B	0.38	0.040	mg/kg	SW846 6010C
Chromium		6.4	0.95	0.091	mg/kg	SW846 6010C
Lead		42.0	0.95	0.16	mg/kg	SW846 6010C
Mercury		0.023 B	0.037	0.011	mg/kg	SW846 7471B
Selenium		0.66 B	0.95	0.33	mg/kg	SW846 6010C
MC23273-24R	**SB-248/15'**					
Arsenic		14.2	1.0	0.22	mg/kg	SW846 6010C
Barium		108	5.2	0.076	mg/kg	SW846 6010C
Cadmium		0.39 B	0.42	0.044	mg/kg	SW846 6010C
Chromium		20.8	1.0	0.10	mg/kg	SW846 6010C
Lead		175	1.0	0.18	mg/kg	SW846 6010C
Mercury		0.067	0.038	0.011	mg/kg	SW846 7471B
Selenium		0.54 B	1.0	0.36	mg/kg	SW846 6010C

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: SB-200/8.5-9'
Lab Sample ID: MC23273-1R
Matrix: SO - Soil
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Date Sampled: 07/30/13
Date Received: 08/03/13
Percent Solids: 89.9

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	17.6	0.89	0.19	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	118	4.4	0.065	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	0.63	0.36	0.038	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	92.7	0.89	0.085	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	136	0.89	0.15	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.087	0.034	0.0099	mg/kg	1	08/27/13	08/29/13	SA	SW846 7471B [1]	SW846 7471B [3]
Selenium	0.31 U	0.89	0.31	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	0.11 U	0.44	0.11	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA16025
(2) Instrument QC Batch: MA16031
(3) Prep QC Batch: MP21554
(4) Prep QC Batch: MP21555

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB-203/14'		
Lab Sample ID:	MC23273-4R	**Date Sampled:**	07/30/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
		Percent Solids:	82.1
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	41.6	0.99	0.21	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Barium	120	5.0	0.072	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Cadmium	0.85	0.40	0.042	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Chromium	389	0.99	0.094	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Copper	1870	5.0	1.1	mg/kg	2	08/28/13	08/29/13	EAL	SW846 6010C [3]	SW846 3050B [5]
Lead	73.9	0.99	0.17	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Mercury	0.16	0.036	0.011	mg/kg	1	08/27/13	08/29/13	SA	SW846 7471B [1]	SW846 7471B [4]
Selenium [a]	0.69 U	2.0	0.69	mg/kg	2	08/28/13	08/29/13	EAL	SW846 6010C [3]	SW846 3050B [5]
Silver	0.12 U	0.50	0.12	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA16025
(2) Instrument QC Batch: MA16031
(3) Instrument QC Batch: MA16032
(4) Prep QC Batch: MP21554
(5) Prep QC Batch: MP21555

(a) Elevated RL due to dilution required for matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: SB-205/3'
Lab Sample ID: MC23273-6R
Matrix: SO - Soil
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Date Sampled: 07/30/13
Date Received: 08/03/13
Percent Solids: 86.1

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	12.5	0.94	0.19	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Barium	464	4.7	0.068	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Cadmium	0.54	0.37	0.040	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Chromium	78.1	0.94	0.089	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Lead	61.3	0.94	0.16	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Mercury	0.12	0.036	0.010	mg/kg	1	08/27/13	08/29/13	SA	SW846 7471B [1]	SW846 7471B [4]
Selenium [a]	0.65 U	1.9	0.65	mg/kg	2	08/28/13	08/29/13	EAL	SW846 6010C [3]	SW846 3050B [5]
Silver	0.12 U	0.47	0.12	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA16025
(2) Instrument QC Batch: MA16031
(3) Instrument QC Batch: MA16032
(4) Prep QC Batch: MP21554
(5) Prep QC Batch: MP21555

(a) Elevated RL due to dilution required for matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB-209/27'		
Lab Sample ID:	MC23273-9R	**Date Sampled:**	07/31/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
		Percent Solids:	87.9
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	18.2	0.90	0.19	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Barium	2070	9.0	0.13	mg/kg	2	08/28/13	08/29/13	EAL	SW846 6010C [3]	SW846 3050B [5]
Cadmium	0.34 B	0.36	0.038	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Chromium	33.2	0.90	0.086	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Lead	28.4	0.90	0.15	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Mercury	0.078	0.034	0.010	mg/kg	1	08/27/13	08/29/13	SA	SW846 7471B [1]	SW846 7471B [4]
Selenium	0.31 U	0.90	0.31	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Silver	0.11 U	0.45	0.11	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA16025
(2) Instrument QC Batch: MA16031
(3) Instrument QC Batch: MA16032
(4) Prep QC Batch: MP21554
(5) Prep QC Batch: MP21555

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB-210/12'		
Lab Sample ID:	MC23273-10R	**Date Sampled:**	07/31/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
		Percent Solids:	87.5
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	13.7	0.93	0.19	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Barium	2800	23	0.34	mg/kg	5	08/28/13	08/29/13	EAL	SW846 6010C [3]	SW846 3050B [5]
Cadmium	0.91	0.37	0.039	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Chromium	63.7	0.93	0.088	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Lead	237	0.93	0.16	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Mercury	0.33	0.037	0.011	mg/kg	1	08/27/13	08/29/13	SA	SW846 7471B [1]	SW846 7471B [4]
Selenium	0.32 U	0.93	0.32	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]
Silver	0.12 B	0.46	0.12	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA16025
(2) Instrument QC Batch: MA16031
(3) Instrument QC Batch: MA16032
(4) Prep QC Batch: MP21554
(5) Prep QC Batch: MP21555

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB-240/1'		
Lab Sample ID:	MC23273-21R	**Date Sampled:**	08/02/13
Matrix:	SO - Soil	**Date Received:**	08/03/13
		Percent Solids:	90.1
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	8.0	0.95	0.20	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	107	4.7	0.069	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	0.17 B	0.38	0.040	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	7.0	0.95	0.090	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	24.0	0.95	0.16	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.048	0.032	0.0093	mg/kg	1	08/27/13	08/29/13	SA	SW846 7471B [1]	SW846 7471B [3]
Selenium	1.3	0.95	0.33	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	0.12 U	0.47	0.12	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA16025
(2) Instrument QC Batch: MA16031
(3) Prep QC Batch: MP21554
(4) Prep QC Batch: MP21555

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: SB-242/0-1.5'
Lab Sample ID: MC23273-22R
Matrix: SO - Soil
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Date Sampled: 08/02/13
Date Received: 08/03/13
Percent Solids: 85.2

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.6	0.95	0.20	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	162	4.8	0.069	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	0.095 B	0.38	0.040	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	6.4	0.95	0.091	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	42.0	0.95	0.16	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.023 B	0.037	0.011	mg/kg	1	08/27/13	08/29/13	SA	SW846 7471B [1]	SW846 7471B [3]
Selenium	0.66 B	0.95	0.33	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	0.12 U	0.48	0.12	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA16025
(2) Instrument QC Batch: MA16031
(3) Prep QC Batch: MP21554
(4) Prep QC Batch: MP21555

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: SB-248/15'
Lab Sample ID: MC23273-24R
Matrix: SO - Soil
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Date Sampled: 08/02/13
Date Received: 08/03/13
Percent Solids: 78.9

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	14.2	1.0	0.22	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	108	5.2	0.076	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	0.39 B	0.42	0.044	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	20.8	1.0	0.10	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	175	1.0	0.18	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.067	0.038	0.011	mg/kg	1	08/27/13	08/29/13	SA	SW846 7471B [1]	SW846 7471B [3]
Selenium	0.54 B	1.0	0.36	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	0.13 U	0.52	0.13	mg/kg	1	08/28/13	08/28/13	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA16025
(2) Instrument QC Batch: MA16031
(3) Prep QC Batch: MP21554
(4) Prep QC Batch: MP21555

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 1 OF 3

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: MC23273R

Client / Reporting Information

Company Name: WSP
Street Address: 11190 Sunrise Valley Dr
City / State / Zip: Reston VA 20191
Project Contact / E-mail: erik.reinert@wspgroup.com; scott.haitz@wspgroup.com
Phone # / Fax #: lisa.bryda@wspgroup.com
Sampler(s) Name(s) / Phone #: G Beaulieu 978-844-3904

Project Information

Project Name: EPT
Street: 690 S. Aurora St
City: Ithaca NY
Project#: 4255-05
Client PO#: 4255-05
Project Manager: Erik Reinert/Lisa Bryda

Billing Information (If different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

RCRA metals + Cyanide (6010,7196)

Matrix Codes

8123 Trip
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	LAB USE ONLY
-1	SB-200/8.5-9'		7/30/13	1045	GMB	S	1					X					
-2	SB-201/6.5'			1110		S	3					X					
-3	SB-202/3.5-4.5'			1135		S	1					X					
-4	SB-203/14'			1256		S	1					X					
-5	SB-203/23-24'			1318		S	1					X					
-6	SB-205/3'			1500		S	1					X					
-7	SB-208/2.5-3'			1600		S	1					X					
-8	~~SB-209/3'~~ (GB214/11' SB)		7/31/13	~~850~~ 223		S						X					
-9	SB-209/27'			930		S	1					X					
-10	SB-210/12'			1008		S	1					X					9E
-11	SB-211/15'			1045		S	1					X					
-12	SB-212/2'			1104		S	1					X					

Turnaround Time (Business days)

- [X] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [X] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

Please HOLD all samples.

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	G Beaulieu	8/3/13 11:00	Brandt			
2						
3						
4						
5						

Custody Seal #: [ ] Intact [ ] Not Intact | Preserved where applicable: [ ] | On Ice: [X] | Cooler Temp.: 0.5°C

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MC23273R: Chain of Custody
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ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job # MC23273R

Client / Reporting Information

Company Name: WSP
Street Address: 11190 Sunrise Valley Dr
City State Zip: Reston VA 20190
Project Contact E-mail: Erik.Reinert@wspgroup.com; Scott.Haltz@wspgroup.com
Phone #: Lisa.Bryda@wspgroup.com
Sampler(s) Name(s) Phone #: GBeaulieu 978-844-3904

Project Information

Project Name: EPT
Street: 690 S. Aurora St
City: Ithaca NY
Project#: 4255-05
Client PO#: 4255-05
Project Manager: Erik Reinert/Lisa Bryda

Billing Information (If different from Report to)

Company Name
Street Address
City State Zip
Attention: PO#

Requested Analysis (see TEST CODE sheet)

RCRA metals + cyanide (6010/7471)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB- Equipment Blank; RB- Rinse Blank; TB-Trip Blank

8/23/13 TF

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	LAB USE ONLY
-13	SB-215/13-14'		7/31/13	1248	GMB	S	1					X					X
-14	SB-217/8'		7/31/13	1425		S	1					X					X
-15	SB-221/2.5'		8/1/13	730		S	1					X					X
	~~SB-221B/4.5'~~ GB			~~740~~		S	1					X					X
	~~SB-223/1'~~ GB			~~805~~		S	1					X					X
-16	SB-225/6'			840		S	1					X					X
-17	SB-230/3'			1010		S	1					X					X
-18	SB-233/0.5'			1130		S	1					X					X
-19	SB-235/1'			1410		S	1					X					X
-20	SB-239/0.5-1		8/2/13	850		S	1					X					X
-21	SB-240/1			925		S	1					X					X
-22	SB-242/0-1.5'			1005		S	1					X					X

Turnaround Time (Business days) — Approved By (Accutest PM): / Date:

- [X] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [X] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

Please HOLD all samples

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 GBeaulieu	8/3/13 11:00	1 Brenzel	2		2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact / Not intact	Preserved where applicable	On Ice	Cooler Temp.
5		5				8	0.5°

SYRACUSE NY

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ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: MC23273R

Client / Reporting Information

Company Name: WSP
Street Address: 11190 Sunrise Valley Dr
City: Reston, State: VA, Zip: 20191
Project Contact: Erik.Reinert, Scott.Haitz E-mail: @wspgroup.com
Phone #: Lisa.Bryda Fax #:
Sampler(s) Name(s): GBeaulieu Phone #: 978-844-3904

Project Information

Project Name: EPT
Street: 690 S. Aurora St
City: Ithaca, State: NY
Project#: 4255-05
Client PO#: 4255-05
Project Manager: Erik Reinert/Lisa Bryda

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

RCRA metals + cyanide (6010/747)

Matrix Codes: 8/23/13-tp
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	RCRA metals + cyanide (6010/747)	LAB USE ONLY
-23	SB-246 /10-12'		8/2/13	1255	GMB	S	1					X					X	
-24	SB-248 /15'		8/2/13	1515	GMB	S	1					X					X	
	END																	

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [X] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [X] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

PLEASE HOLD

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	GBeaulieu	8/3/13 11:00	1	2		2
3			3	4		4
5			5			

Custody Seal # | [ ] Intact [ ] Not Intact | Preserved where applicable [ ] | On Ice [X] | Cooler Temp: 0.5°C

SVOA/PHC/GC

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MC23273R: Chain of Custody
Page 3 of 4

Frank D'Agostino MC23273R

From: Reinert, Erik S. <erik.reinert@wspgroup.com>
Sent: Friday, August 23, 2013 4:38 PM
To: Frank D'Agostino; Nick Freeman
Cc: Bryda, Lisa K.
Subject: FW: Emerson Power Site and Copper

Frank,
Please analyze the following samples that were on hold as follows:

Accutest Project	WSP Sample ID	Analyses
MC23273 -1	SB-200/8.5-9	RCRA metals, CN
MC23273-4	SB-203/14	RCRA metals, copper
MC23273-6	SB-205/3	RCRA metals, CN
MC23273 -9	SB-209/27	RCRA metals, CN
MC23273 -10	SB-210/12	RCRA metals, CN
MC23273 -21	SB-240/1	RCRA metals, CN
MC23273 -22	SB-242/0-1.5	RCRA metals, CN
MC23273 -24	SB-248/15	RCRA metals, CN

Note: if the samples are out of hold times for cyanide analysis, then no need to analyze for that compound.

MC23593	MW-01-1	TCL VOCs, TCL SVOCs, RCRA metals
MC23593	MW-02-6-7.5	same as above
MC23735	MW-08-7-14	VOCs
MC23735	MW-09-6-2.3	VOCs
MC23735	MW-11-5.5-2	VOCs
MC23735	MW-12-1-2.4	VOCs

Note: Requested reporting lists and turn-around times (5 business days) are per the task order.

Thanks,

Erik S. Reinert
Senior Consultant
Environmental

WSP 5 Sullivan Street, Cazenovia, NY 13035
Direct: +1-315-655-3900
Main: +1-315-655-3900
Mobile: +1-315-374-1773

www.wspgroup.com/usa

MC23273R: Chain of Custody
Page 4 of 4

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC23273R

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC23273-1R	Collected: 30-JUL-13 10:45 By: GB		Received: 03-AUG-13 By:			
SB-200/8.5-9'						
MC23273-1B	SM21 2540 B MOD.	26-AUG-13	MC			%SOL
MC23273-1B	SW846 6010C	28-AUG-13 15:37	EAL	28-AUG-13	EM	AG,AS,BA,CD,CR,PB,SE
MC23273-1B	SW846 7471B	29-AUG-13 11:23	SA	27-AUG-13	EM	HG
MC23273-4R	Collected: 30-JUL-13 12:56 By: GB		Received: 03-AUG-13 By:			
SB-203/14'						
MC23273-4B	SM21 2540 B MOD.	26-AUG-13	MC			%SOL
MC23273-4B	SW846 6010C	28-AUG-13 16:05	EAL	28-AUG-13	EM	AG,AS,BA,CD,CR,PB
MC23273-4B	SW846 7471B	29-AUG-13 11:26	SA	27-AUG-13	EM	HG
MC23273-4B	SW846 6010C	29-AUG-13 12:14	EAL	28-AUG-13	EM	CU,SE
MC23273-6R	Collected: 30-JUL-13 15:00 By: GB		Received: 03-AUG-13 By:			
SB-205/3'						
MC23273-6B	SM21 2540 B MOD.	26-AUG-13	MC			%SOL
MC23273-6B	SW846 6010C	28-AUG-13 16:10	EAL	28-AUG-13	EM	AG,AS,BA,CD,CR,PB
MC23273-6B	SW846 7471B	29-AUG-13 11:28	SA	27-AUG-13	EM	HG
MC23273-6B	SW846 6010C	29-AUG-13 12:18	EAL	28-AUG-13	EM	SE
MC23273-9R	Collected: 31-JUL-13 09:30 By: GB		Received: 03-AUG-13 By:			
SB-209/27'						
MC23273-9B	SM21 2540 B MOD.	26-AUG-13	MC			%SOL
MC23273-9B	SW846 6010C	28-AUG-13 16:14	EAL	28-AUG-13	EM	AG,AS,CD,CR,PB,SE
MC23273-9B	SW846 7471B	29-AUG-13 11:31	SA	27-AUG-13	EM	HG
MC23273-9B	SW846 6010C	29-AUG-13 12:23	EAL	28-AUG-13	EM	BA
MC23273-10R	Collected: 31-JUL-13 10:08 By: GB		Received: 03-AUG-13 By:			
SB-210/12'						
MC23273-10B	SM21 2540 B MOD.	26-AUG-13	MC			%SOL
MC23273-10B	SW846 6010C	28-AUG-13 15:32	EAL	28-AUG-13	EM	AG,AS,CD,CR,PB,SE
MC23273-10B	SW846 7471B	29-AUG-13 11:34	SA	27-AUG-13	EM	HG
MC23273-10B	SW846 6010C	29-AUG-13 11:44	EAL	28-AUG-13	EM	BA

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC23273R

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC23273-21	Collected: 02-AUG-13 09:25 By: GB SB-240/1'		Received: 03-AUG-13 By:			
MC23273-21	SM21 2540 B MOD.	26-AUG-13	MC			%SOL
MC23273-21	SW846 6010C	28-AUG-13 15:41	EAL	28-AUG-13	EM	AG,AS,BA,CD,CR,PB,SE
MC23273-21	SW846 7471B	29-AUG-13 11:36	SA	27-AUG-13	EM	HG
MC23273-22	Collected: 02-AUG-13 10:05 By: GB SB-242/0-1.5'		Received: 03-AUG-13 By:			
MC23273-22	SM21 2540 B MOD.	26-AUG-13	MC			%SOL
MC23273-22	SW846 6010C	28-AUG-13 15:57	EAL	28-AUG-13	EM	AG,AS,BA,CD,CR,PB,SE
MC23273-22	SW846 7471B	29-AUG-13 11:39	SA	27-AUG-13	EM	HG
MC23273-24	Collected: 02-AUG-13 15:15 By: GB SB-248/15'		Received: 03-AUG-13 By:			
MC23273-24	SM21 2540 B MOD.	26-AUG-13	MC			%SOL
MC23273-24	SW846 6010C	28-AUG-13 16:01	EAL	28-AUG-13	EM	AG,AS,BA,CD,CR,PB,SE
MC23273-24	SW846 7471B	29-AUG-13 11:41	SA	27-AUG-13	EM	HG

Accutest Internal Chain of Custody

Job Number: MC23273R
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Received: 08/03/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC23273-1.1	Walk In Ref #9	Eric Mensah	08/28/13 06:48	Retrieve from Storage
MC23273-1.1	Eric Mensah	Walk In Ref #9	08/28/13 06:48	Return to Storage
MC23273-4.1	Walk In Ref #9	Miranda Cardullo	08/26/13 08:39	Retrieve from Storage
MC23273-4.1	Miranda Cardullo	Walk In Ref #9	08/26/13 09:44	Return to Storage
MC23273-4.1	Walk In Ref #9	Eric Mensah	08/28/13 06:48	Retrieve from Storage
MC23273-4.1	Eric Mensah	Walk In Ref #9	08/28/13 06:48	Return to Storage
MC23273-6.1	Walk In Ref #9	Miranda Cardullo	08/26/13 08:39	Retrieve from Storage
MC23273-6.1	Miranda Cardullo	Walk In Ref #9	08/26/13 09:44	Return to Storage
MC23273-6.1	Walk In Ref #9	Eric Mensah	08/28/13 06:48	Retrieve from Storage
MC23273-6.1	Eric Mensah	Walk In Ref #9	08/28/13 06:48	Return to Storage
MC23273-9.1	Walk In Ref #9	Miranda Cardullo	08/26/13 08:39	Retrieve from Storage
MC23273-9.1	Miranda Cardullo	Walk In Ref #9	08/26/13 09:44	Return to Storage
MC23273-9.1	Walk In Ref #9	Eric Mensah	08/28/13 06:48	Retrieve from Storage
MC23273-9.1	Eric Mensah	Walk In Ref #9	08/28/13 06:48	Return to Storage
MC23273-10.1	Walk In Ref #9	Miranda Cardullo	08/26/13 08:39	Retrieve from Storage
MC23273-10.1	Miranda Cardullo	Walk In Ref #9	08/26/13 09:44	Return to Storage
MC23273-10.1	Walk In Ref #9	Eric Mensah	08/28/13 06:48	Retrieve from Storage
MC23273-10.1	Eric Mensah	Walk In Ref #9	08/28/13 06:48	Return to Storage
MC23273-21.1	Walk In Ref #9	Miranda Cardullo	08/26/13 08:39	Retrieve from Storage
MC23273-21.1	Miranda Cardullo	Walk In Ref #9	08/26/13 09:44	Return to Storage
MC23273-21.1	Walk In Ref #9	Eric Mensah	08/28/13 06:48	Retrieve from Storage
MC23273-21.1	Eric Mensah	Walk In Ref #9	08/28/13 06:48	Return to Storage
MC23273-22.1	Walk In Ref #9	Miranda Cardullo	08/26/13 08:39	Retrieve from Storage
MC23273-22.1	Miranda Cardullo	Walk In Ref #9	08/26/13 09:44	Return to Storage
MC23273-22.1	Walk In Ref #9	Eric Mensah	08/28/13 06:48	Retrieve from Storage
MC23273-22.1	Eric Mensah	Walk In Ref #9	08/28/13 06:48	Return to Storage
MC23273-24.1	Walk In Ref #9	Miranda Cardullo	08/26/13 08:39	Retrieve from Storage
MC23273-24.1	Miranda Cardullo	Walk In Ref #9	08/26/13 09:44	Return to Storage
MC23273-24.1	Walk In Ref #9	Eric Mensah	08/28/13 06:48	Retrieve from Storage
MC23273-24.1	Eric Mensah	Walk In Ref #9	08/28/13 06:48	Return to Storage

New England ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082913S1.PRN Date Analyzed: 08/29/13 Methods: SW846 7471B
Analyst: SA Run ID: MA16025
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:42	MA16025-STD1	1		STD01REP1
09:45	MA16025-STD2	1		STD02REP1
09:47	MA16025-STD3	1		STD03REP1
09:50	MA16025-STD4	1		STD04REP1
09:52	MA16025-STD5	1		STD05REP1
09:55	MA16025-STD6	1		STD06REP1
09:58	MA16025-STD7	1		STD07REP1
10:01	MA16025-STD8	1		STD08REP1
10:04	MA16025-STD9	1		STD09REP1
10:08	MA16025-ICV1	1		
10:11	MA16025-ICB1	1		
10:13	MA16025-CCV1	1		
10:16	MA16025-CCB1	1		
10:18	ZZZZZZ	1		DNR: SEE RERUN FOR CRI.
10:22	MA16025-CRI1	1		
10:24	MP21554-MB1	1		
10:27	MP21554-B1	1		
10:29	MP21554-B2	1		
10:32	MP21554-S1	1		
10:34	MP21554-S2	1		
10:36	MC23794-1	1		(sample used for QC only; not part of login MC23273R)
10:39	MP21554-LC1	10		
10:41	ZZZZZZ	1		
10:46	MA16025-CCV2	1		
10:49	MA16025-CCB2	1		
10:52	ZZZZZZ	1		
10:54	ZZZZZZ	1		
10:57	ZZZZZZ	1		
10:59	ZZZZZZ	1		
11:02	ZZZZZZ	1		
11:05	ZZZZZZ	1		
11:07	ZZZZZZ	1		
11:10	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082913S1.PRN Date Analyzed: 08/29/13 Methods: SW846 7471B
Analyst: SA Run ID: MA16025
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:13	ZZZZZZ	1		
11:16	ZZZZZZ	1		
11:18	MA16025-CCV3	1		
11:21	MA16025-CCB3	1		
11:23	MC23273-1R	1		
11:26	MC23273-4R	1		
11:28	MC23273-6R	1		
11:31	MC23273-9R	1		
11:34	MC23273-10R	1		
11:36	MC23273-21R	1		
11:39	MC23273-22R	1		
11:41	MC23273-24R	1		
---------->	Last reportable sample/prep for job MC23273R			
11:45	ZZZZZZ	1		DNR: SEE RERUN FOR CRI.
11:52	MA16025-CRI2	1		
11:54	MA16025-CCV4	1		
11:57	MA16025-CCB4	1		
---------->	Last reportable CCB for job MC23273R			
	Refer to raw data for calibration curve and standards.			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082913S1.PRN Date Analyzed: 08/29/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA16025 Units: ug/l

Time:			10:11		10:16		10:49		11:21	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.052	-0.018	<0.20	-0.029	<0.20	-0.042	<0.20	-0.044	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082913S1.PRN Date Analyzed: 08/29/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA16025 Units: ug/l

Time:			11:57	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Mercury	0.20	.052	-0.055	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082913S1.PRN Date Analyzed: 08/29/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA16025 Units: ug/l

Time:		10:08			10:13			10:46	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	4.0	4.0	100.0	3	3.1	103.3	3	3.2	106.7

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082913S1.PRN Date Analyzed: 08/29/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA16025 Units: ug/l

Time:		11:18			11:54	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.3	110.0	3	3.1	103.3

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082913S1.PRN Date Analyzed: 08/29/13 Methods: SW846 7471B
QC Limits: 80 to 120 % Recovery Run ID: MA16025 Units: ug/l

Time:			10:22		11:52	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.22	110.0	0.18	90.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16031
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:46	MA16031-STD1	1		STD1
11:50	MA16031-STD2	1		STD2
11:55	MA16031-STD3	1		STD3
11:59	MA16031-STD4	1		STD4
12:03	MA16031-ICV1	1		
12:09	MA16031-ICB1	1		
12:13	MA16031-CCV1	1		
12:19	MA16031-CCB1	1		
12:25	MA16031-CRIA1	1		
12:30	MA16031-ICSA1	1		
12:35	MA16031-ICSAB1	1		
12:39	MP21551-B1	1		
12:43	MP21551-MB1	1		
12:47	MP21551-S1	1		
12:52	MP21551-S2	1		
12:56	MC23744-28	1		(sample used for QC only; not part of login MC23273R)
13:01	MP21551-SD1	5		
13:05	MP21551-LC1	1		
13:09	MA16031-CCV2	1		
13:13	MA16031-CCB2	1		
13:18	ZZZZZZ	1		
13:22	ZZZZZZ	1		
13:27	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:36	ZZZZZZ	1		
13:40	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:49	ZZZZZZ	1		
13:53	ZZZZZZ	1		
13:57	ZZZZZZ	1		
14:02	MA16031-CCV3	1		
14:06	MA16031-CCB3	1		
14:10	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16031
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:15	ZZZZZZ	1		
14:19	ZZZZZZ	1		
14:24	ZZZZZZ	1		
14:28	ZZZZZZ	1		
14:32	ZZZZZZ	1		
14:36	ZZZZZZ	1		
14:41	ZZZZZZ	1		
14:45	ZZZZZZ	1		
14:49	MP21555-B1	1		
14:53	MA16031-CCV4	1		
14:58	MA16031-CCB4	1		
15:02	MP21555-MB1	1		
15:06	MP21555-S1	1		MS OUT FOR PB, NEED PS.
15:11	MP21555-S2	1		
15:15	MC23749-2	1		(sample used for QC only; not part of login MC23273R)
15:19	MP21555-SD1	5		
15:23	MP21555-B2	1		
15:28	MP21555-LC1	1		
15:32	MC23273-10R	1		BA OVER RANGE.
15:37	MC23273-1R	1		
15:41	MC23273-21R	1		
15:48	MA16031-CCV5	1		
15:52	MA16031-CCB5	1		
15:57	MC23273-22R	1		
16:01	MC23273-24R	1		
16:05	MC23273-4R	1		CU OVER RANGE;SE NEG.
16:10	MC23273-6R	1		SE NEG.
16:14	MC23273-9R	1		BA OVER RANGE.
---------->	Last reportable sample/prep for job MC23273R			
16:19	ZZZZZZ	1		
16:23	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:32	ZZZZZZ	1		
16:36	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16031
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:41	MA16031-CCV6	1		
16:45	MA16031-CCB6	1		
16:49	ZZZZZZ	1		
16:53	ZZZZZZ	1		
16:58	ZZZZZZ	1		
17:02	ZZZZZZ	1		
17:07	ZZZZZZ	1		
17:11	ZZZZZZ	1		
17:15	MP21551-S1	2		MS OUT FOR SB, NEED PS.
17:19	MP21551-S2	2		
17:24	MC23744-28	2		(sample used for QC only; not part of login MC23273R)
17:28	MP21551-SD1	10		
17:32	MA16031-CCV7	1		
17:37	MA16031-CCB7	1		
17:41	ZZZZZZ	5		
17:45	ZZZZZZ	1		RINSECONF.
17:50	MA16031-CRIA2	1		
17:54	MA16031-ICSA2	1		
17:58	MA16031-ICSAB2	1		
18:03	MA16031-CCV8	1		
18:07	MA16031-CCB8	1		
---------->	Last reportable CCB for job MC23273R			
18:11	ZZZZZZ	1		DNR: SEE RERUN FOR CRI.
18:20	MA16031-CRI1	1		
18:24	MP21546-B1	1		
18:29	MP21546-MB1	1		
18:33	MP21546-S1	1		
18:37	MP21546-S2	1		
18:42	MC23795-6F	1		(sample used for QC only; not part of login MC23273R)
18:46	MP21546-SD1	5		
18:51	MP21546-B2	1		
18:55	ZZZZZZ	1		
18:59	MA16031-CCV9	1		
19:03	MA16031-CCB9	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16031
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:08	ZZZZZZ	1		
19:13	ZZZZZZ	5		
19:17	ZZZZZZ	1		
19:21	ZZZZZZ	1		
19:26	ZZZZZZ	1		
19:30	ZZZZZZ	1		
19:35	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:43	ZZZZZZ	1		
19:48	ZZZZZZ	1		
19:52	MA16031-CCV10	1		
19:56	MA16031-CCB10	1		
20:01	ZZZZZZ	1		
20:05	ZZZZZZ	1		
20:09	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:18	ZZZZZZ	1		
20:23	ZZZZZZ	1		
20:27	ZZZZZZ	1		
20:31	ZZZZZZ	1		
20:36	MP21550-B1	1		
20:40	MP21550-MB1	1		
20:44	MA16031-CCV11	1		
20:48	MA16031-CCB11	1		
20:53	MP21550-S1	1		
20:57	MP21550-S2	1		
21:01	MC23829-1F	1		(sample used for QC only; not part of login MC23273R)
21:06	MP21550-SD1	5		
21:10	MP21550-B2	1		
21:14	ZZZZZZ	1		
21:19	ZZZZZZ	1		
21:23	ZZZZZZ	1		
21:28	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16031
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:32	ZZZZZZ	1		
21:36	MA16031-CCV12	1		
21:41	MA16031-CCB12	1		
21:45	ZZZZZZ	1		
21:49	ZZZZZZ	1		
21:54	ZZZZZZ	1		
21:58	ZZZZZZ	1		
22:03	ZZZZZZ	1		
22:08	ZZZZZZ	1		
22:12	ZZZZZZ	1		
22:17	ZZZZZZ	1		
22:21	ZZZZZZ	1		
22:25	ZZZZZZ	1		
22:30	MA16031-CCV13	1		
22:34	MA16031-CCB13	1		
22:38	ZZZZZZ	1		
22:43	ZZZZZZ	1		
22:47	MA16031-CRI2	1		
22:51	MA16031-ICSA3	1		
22:56	MA16031-ICSAB3	1		
23:00	MA16031-CCV14	1		
23:04	MA16031-CCB14	1		
23:09	MA16031-CRIB1	1		TL OUT.
23:13	MP21552-B1	1		
23:18	MP21552-MB1	1		
23:22	MP21552-S1	1		
23:27	MP21552-S2	1		
23:31	MC23775-1	1		(sample used for QC only; not part of login MC23273R)
23:36	MP21552-SD1	5		
23:40	MP21552-LB1	1		
23:45	MP21552-LB2	1		
23:49	MP21552-LS1	1		
23:54	MA16031-CCV15	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16031
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:58	MA16031-CCB15	1		
00:02	ZZZZZZ	1		
00:07	ZZZZZZ	1		
00:11	ZZZZZZ	1		
00:16	ZZZZZZ	1		
00:20	ZZZZZZ	1		
00:25	ZZZZZZ	1		
00:29	ZZZZZZ	1		
00:34	MP21557-B1	1		
00:38	MP21557-MB1	1		
00:43	MP21557-S1	1		
00:47	MA16031-CCV16	1		
00:51	MA16031-CCB16	1		
00:56	MP21557-S2	1		
01:00	MC23749-1A	1		(sample used for QC only; not part of login MC23273R)
01:04	MP21557-SD1	5		
01:09	MP21557-B2	1		
01:13	MP21557-LB1	1		
01:17	ZZZZZZ	1		
01:22	MA16031-CRIB2	1		
01:26	MA16031-ICSA4	1		
01:30	MA16031-ICSAB4	1		
01:35	MA16031-CCV17	1		
01:39	MA16031-CCB17	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16031
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
11:46	MA16031-STD1	2196 R	64355 R	11469 R
11:50	MA16031-STD2	2178	64037	11133
11:55	MA16031-STD3			11202
11:59	MA16031-STD4	2194	64171	11045
12:03	MA16031-ICV1	2185	64037	11096
12:09	MA16031-ICB1	2206	64514	11088
12:13	MA16031-CCV1	2197	64272	11035
12:19	MA16031-CCB1	2217	64495	11086
12:25	MA16031-CRIA1	2211	64516	11300
12:30	MA16031-ICSA1	2029	59679	10828
12:35	MA16031-ICSAB1	2028	59865	10859
12:39	MP21551-B1	2195	64427	11069
12:43	MP21551-MB1	2218	64910	11130
12:47	MP21551-S1	2724	80450	14168
12:52	MP21551-S2	2747	81867	14523
12:56	MC23744-28	2653	79574	14012
13:01	MP21551-SD1	2306	67761	11684
13:05	MP21551-LC1	2383	69315	11947
13:09	MA16031-CCV2	2225	64312	11087
13:13	MA16031-CCB2	2226	64318	11003
13:18	ZZZZZZ	2814	82113	14297
13:22	ZZZZZZ	2429	71865	12767
13:27	ZZZZZZ	2501	74249	12923
13:31	ZZZZZZ	2332	69014	12186
13:36	ZZZZZZ	2498	72789	12602
13:40	ZZZZZZ	2529	74076	13031
13:44	ZZZZZZ	2585	76177	13242
13:49	ZZZZZZ	2565	74566	12924
13:53	ZZZZZZ	2392	68887	12112
13:57	ZZZZZZ	2487	73109	12931
14:02	MA16031-CCV3	2221	64030	10924
14:06	MA16031-CCB3	2234	64731	10938
14:10	ZZZZZZ	2626	76264	13051

INTERNAL STANDARD SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16031
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
14:15	ZZZZZZ	2430	71541	12704
14:19	ZZZZZZ	2417	71342	12564
14:24	ZZZZZZ	2428	71847	12662
14:28	ZZZZZZ	2348	67628	11643
14:32	ZZZZZZ	2376	68333	11856
14:36	ZZZZZZ	2352	67726	11837
14:41	ZZZZZZ	2360	67935	11855
14:45	ZZZZZZ	2370	68231	11779
14:49	MP21555-B1	2215	63979	10995
14:53	MA16031-CCV4	2225	63958	10747
14:58	MA16031-CCB4	2241	64491	11095
15:02	MP21555-MB1	2230	64402	10853
15:06	MP21555-S1	2334	67447	11690
15:11	MP21555-S2	2339	67838	11934
15:15	MC23749-2	2357	68692	11944
15:19	MP21555-SD1	2257	65523	11205
15:23	MP21555-B2	2227	64946	11056
15:28	MP21555-LC1	2433	70531	12350
15:32	MC23273-10R	2290	68234	12085
15:37	MC23273-1R	2278	69483	12021
15:41	MC23273-21R	2352	69566	11962
15:48	MA16031-CCV5	2239	65395	11114
15:52	MA16031-CCB5	2240	65174	11025
15:57	MC23273-22R	2337	68311	11763
16:01	MC23273-24R	2341	69210	12261
16:05	MC23273-4R	2193	66273	11776
16:10	MC23273-6R	2168	66732	11667
16:14	MC23273-9R	2327	69012	12220
16:19	ZZZZZZ	2170	64829	11411
16:23	ZZZZZZ	2264	66678	11784
16:28	ZZZZZZ	2326	68625	11917
16:32	ZZZZZZ	2335	69373	12145
16:36	ZZZZZZ	2423	71348	12243

INTERNAL STANDARD SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16031
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
16:41	MA16031-CCV6	2234	65255	11125
16:45	MA16031-CCB6	2236	65399	11084
16:49	ZZZZZZ	2278	67984	11774
16:53	ZZZZZZ	2294	68670	12218
16:58	ZZZZZZ	2468	74014	12805
17:02	ZZZZZZ	2471	73410	12614
17:07	ZZZZZZ	2347	69073	11763
17:11	ZZZZZZ	2335	68199	11594
17:15	MP21551-S1	2490	73764	12685
17:19	MP21551-S2	2500	74217	12769
17:24	MC23744-28	2460	72775	12721
17:28	MP21551-SD1	2290	67373	11414
17:32	MA16031-CCV7	2252	65920	11174
17:37	MA16031-CCB7	2248	65759	11488
17:41	ZZZZZZ	2258	66683	11487
17:45	ZZZZZZ	2235	65808	11500
17:50	MA16031-CRIA2	2234	65748	11113
17:54	MA16031-ICSA2	2049	60396	11043
17:58	MA16031-ICSAB2	2047	61155	10947
18:03	MA16031-CCV8	2233	65839	11334
18:07	MA16031-CCB8	2230	66089	11577
18:11	ZZZZZZ	2227	65684	11303
18:20	MA16031-CRI1	2229	65913	11488
18:24	MP21546-B1	2203	65635	11212
18:29	MP21546-MB1	2228	65896	11149
18:33	MP21546-S1	2153	64456	11248
18:37	MP21546-S2	2162	64514	11017
18:42	MC23795-6F	2175	64531	11386
18:46	MP21546-SD1	2220	65949	11393
18:51	MP21546-B2	2216	65818	11114
18:55	ZZZZZZ	2206	65935	11566
18:59	MA16031-CCV9	2240	65853	11375
19:03	MA16031-CCB9	2207	65838	11330

INTERNAL STANDARD SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16031
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
19:08	ZZZZZZ	3042 !a	99851 !a	18237 !a
19:13	ZZZZZZ	2388	73044	12730
19:17	ZZZZZZ	2205	66061	11797
19:21	ZZZZZZ	2176	65913	11380
19:26	ZZZZZZ	2161	64858	11353
19:30	ZZZZZZ	2189	65624	11492
19:35	ZZZZZZ	2117	64427	11329
19:39	ZZZZZZ	2148	65262	11264
19:43	ZZZZZZ	2191	65515	11564
19:48	ZZZZZZ	2106	64075	11256
19:52	MA16031-CCV10	2194	65458	11484
19:56	MA16031-CCB10	2208	66326	11395
20:01	ZZZZZZ	2175	65492	11483
20:05	ZZZZZZ	2174	65642	11406
20:09	ZZZZZZ	2166	65443	11374
20:14	ZZZZZZ	2167	65547	11285
20:18	ZZZZZZ	2143	65371	11102
20:23	ZZZZZZ	2151	65340	11229
20:27	ZZZZZZ	2161	65490	11441
20:31	ZZZZZZ	2144	65639	11368
20:36	MP21550-B1	2178	66413	11168
20:40	MP21550-MB1	2204	66236	11371
20:44	MA16031-CCV11	2215	66240	11310
20:48	MA16031-CCB11	2220	66676	11456
20:53	MP21550-S1	2162	65283	11229
20:57	MP21550-S2	2163	65115	11121
21:01	MC23829-1F	2193	66709	11578
21:06	MP21550-SD1	2219	66602	11170
21:10	MP21550-B2	2194	65642	11056
21:14	ZZZZZZ	2202	66434	11698
21:19	ZZZZZZ	2215	66044	11403
21:23	ZZZZZZ	2205	66222	11550
21:28	ZZZZZZ	2201	66105	11708

INTERNAL STANDARD SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16031
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
21:32	ZZZZZZ	2193	66886	11451
21:36	MA16031-CCV12	2203	66229	11413
21:41	MA16031-CCB12	2180	66235	11474
21:45	ZZZZZZ	2186	66131	11446
21:49	ZZZZZZ	2042	63957	10964
21:54	ZZZZZZ	2055	63379	10973
21:58	ZZZZZZ	2113	64653	11164
22:03	ZZZZZZ	1999	62548	11053
22:08	ZZZZZZ	2102	64569	11220
22:12	ZZZZZZ	2149	65098	11270
22:17	ZZZZZZ	2156	65640	11376
22:21	ZZZZZZ	2207	66423	11403
22:25	ZZZZZZ	2195	66059	11486
22:30	MA16031-CCV13	2211	66519	11252
22:34	MA16031-CCB13	2211	67123	11590
22:38	ZZZZZZ	2179	66596	11490
22:43	ZZZZZZ	2155	65811	11522
22:47	MA16031-CRI2	2209	66762	11196
22:51	MA16031-ICSA3	2018	61926	11105
22:56	MA16031-ICSAB3	2023	61574	11068
23:00	MA16031-CCV14	2190	66736	11337
23:04	MA16031-CCB14	2196	66617	11297
23:09	MA16031-CRIB1	2194	66520	11486
23:13	MP21552-B1	2090	64319	11335
23:18	MP21552-MB1	2186	66332	11408
23:22	MP21552-S1	2011	63559	11050
23:27	MP21552-S2	2014	63895	11115
23:31	MC23775-1	2009	63771	11320
23:36	MP21552-SD1	2142	65547	11207
23:40	MP21552-LB1	2082	64201	11260
23:45	MP21552-LB2	2195	68015	11777
23:49	MP21552-LS1	1995	64172	11007
23:54	MA16031-CCV15	2194	66457	11288

INTERNAL STANDARD SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16031
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
23:58	MA16031-CCB15	2200	66659	11214
00:02	ZZZZZZ	1984	64199	11153
00:07	ZZZZZZ	2091	64574	11458
00:11	ZZZZZZ	2045	63924	11296
00:16	ZZZZZZ	2006	63860	11150
00:20	ZZZZZZ	2005	63168	10997
00:25	ZZZZZZ	2043	63837	11124
00:29	ZZZZZZ	1981	62294	10866
00:34	MP21557-B1	2208	66525	11085
00:38	MP21557-MB1	2210	66821	11262
00:43	MP21557-S1	2160	65616	11096
00:47	MA16031-CCV16	2225	66806	11192
00:51	MA16031-CCB16	2230	66265	11114
00:56	MP21557-S2	2167	65770	11126
01:00	MC23749-1A	2157	65632	11178
01:04	MP21557-SD1	2226	66468	11179
01:09	MP21557-B2	2235	67721	11251
01:13	MP21557-LB1	2228	66420	11534
01:17	ZZZZZZ	2211	66530	11345
01:22	MA16031-CRIB2	2246	66810	11236
01:26	MA16031-ICSA4	2054	61798	11084
01:30	MA16031-ICSAB4	2051	61759	10851
01:35	MA16031-CCV17	2226	66338	11080
01:39	MA16031-CCB17	2242	66539	11311

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

(a) No element reported by this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16031 Units: ug/l

Time: / Sample ID:			12:09 ICB1		12:19 CCB1		13:13 CCB2		14:06 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12	anr							
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.7	1.2	<4.0	0.60	<4.0	0.80	<4.0	1.2	<4.0
Barium	50	.32	0.20	<50	0.10	<50	0.50	<50	0.20	<50
Beryllium	4.0	.1	anr							
Boron	100	1.1								
Cadmium	4.0	.25	0.30	<4.0	0.40	<4.0	0.40	<4.0	0.0	<4.0
Calcium	5000	21	anr							
Chromium	10	.48	0.0	<10	-0.20	<10	-0.10	<10	-0.10	<10
Cobalt	50	.29	anr							
Copper	25	.93	-0.70	<25	-0.70	<25	-0.20	<25	-0.60	<25
Gold	50	1.5								
Iron	100	3.5	anr							
Lead	5.0	1.2	0.90	<5.0	-0.30	<5.0	0.60	<5.0	0.20	<5.0
Magnesium	5000	30	anr							
Manganese	15	.16	anr							
Molybdenum	100	.31								
Nickel	40	.45	anr							
Palladium	50	2.2								
Platinum	50	6.4								
Potassium	5000	54	anr							
Selenium	10	1.7	-1.2	<10	0.10	<10	0.50	<10	0.20	<10
Silicon	100	2								
Silver	5.0	.81	-0.20	<5.0	0.40	<5.0	-0.30	<5.0	0.40	<5.0
Sodium	5000	16	anr							
Strontium	10	.12								
Thallium	5.0	1.2	anr							
Tin	100	.87								
Titanium	50	.66								
Tungsten	100	9.3								
Vanadium	10	.82	anr							
Zinc	20	.45	anr							
Zirconium	50	.45								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16031 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16031 Units: ug/l

Time: / Sample ID:			14:58 CCB4		15:52 CCB5		16:45 CCB6		17:37 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12	anr							
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.7	1.1	<4.0	1.2	<4.0	1.0	<4.0	0.40	<4.0
Barium	50	.32	0.20	<50	0.0	<50	0.20	<50	0.0	<50
Beryllium	4.0	.1	anr							
Boron	100	1.1								
Cadmium	4.0	.25	0.30	<4.0	0.20	<4.0	0.20	<4.0	0.10	<4.0
Calcium	5000	21	anr							
Chromium	10	.48	0.10	<10	-0.20	<10	-0.10	<10	0.0	<10
Cobalt	50	.29	anr							
Copper	25	.93	-0.70	<25	-0.10	<25	0.20	<25	0.20	<25
Gold	50	1.5								
Iron	100	3.5	anr							
Lead	5.0	1.2	0.50	<5.0	-0.30	<5.0	-0.40	<5.0	0.40	<5.0
Magnesium	5000	30	anr							
Manganese	15	.16	anr							
Molybdenum	100	.31								
Nickel	40	.45	anr							
Palladium	50	2.2								
Platinum	50	6.4								
Potassium	5000	54	anr							
Selenium	10	1.7	-0.20	<10	0.70	<10	0.20	<10	0.10	<10
Silicon	100	2								
Silver	5.0	.81	-0.40	<5.0	0.0	<5.0	0.50	<5.0	0.70	<5.0
Sodium	5000	16	anr							
Strontium	10	.12								
Thallium	5.0	1.2	anr							
Tin	100	.87								
Titanium	50	.66								
Tungsten	100	9.3								
Vanadium	10	.82	anr							
Zinc	20	.45	anr							
Zirconium	50	.45								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16031 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16031 Units: ug/l

Time:			18:07	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	200	12	anr	
Antimony	6.0	1.1	anr	
Arsenic	4.0	1.7	1.1	<4.0
Barium	50	.32	0.10	<50
Beryllium	4.0	.1	anr	
Boron	100	1.1		
Cadmium	4.0	.25	0.0	<4.0
Calcium	5000	21	anr	
Chromium	10	.48	-0.20	<10
Cobalt	50	.29	anr	
Copper	25	.93	0.0	<25
Gold	50	1.5		
Iron	100	3.5	anr	
Lead	5.0	1.2	0.30	<5.0
Magnesium	5000	30	anr	
Manganese	15	.16	anr	
Molybdenum	100	.31		
Nickel	40	.45	anr	
Palladium	50	2.2		
Platinum	50	6.4		
Potassium	5000	54	anr	
Selenium	10	1.7	-0.60	<10
Silicon	100	2		
Silver	5.0	.81	0.50	<5.0
Sodium	5000	16	anr	
Strontium	10	.12		
Thallium	5.0	1.2	anr	
Tin	100	.87		
Titanium	50	.66		
Tungsten	100	9.3		
Vanadium	10	.82	anr	
Zinc	20	.45	anr	
Zirconium	50	.45		

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16031 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16031 Units: ug/l

Time:		12:03			12:13			13:09	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	3000	3030	101.0	2000	1960	98.0	2000	1960	98.0
Barium	3000	3090	103.0	2000	1980	99.0	2000	1970	98.5
Beryllium	anr								
Boron									
Cadmium	3000	3010	100.3	2000	1970	98.5	2000	1970	98.5
Calcium	anr								
Chromium	3000	3090	103.0	2000	1980	99.0	2000	2000	100.0
Cobalt	anr								
Copper	3000	2970	99.0	2000	1970	98.5	2000	1990	99.5
Gold									
Iron	anr								
Lead	3000	2920	97.3	2000	1920	96.0	2000	1930	96.5
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	3000	3020	100.7	2000	1960	98.0	2000	1960	98.0
Silicon									
Silver	500	516	103.2	250	249	99.6	250	251	100.4
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16031 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16031 Units: ug/l

Time:		14:02			14:53			15:48	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	2000	1950	97.5	2000	1930	96.5	2000	1950	97.5
Barium	2000	1970	98.5	2000	1990	99.5	2000	1970	98.5
Beryllium	anr								
Boron									
Cadmium	2000	1970	98.5	2000	1950	97.5	2000	1960	98.0
Calcium	anr								
Chromium	2000	2000	100.0	2000	1980	99.0	2000	1970	98.5
Cobalt	anr								
Copper	2000	2000	100.0	2000	1990	99.5	2000	1980	99.0
Gold									
Iron	anr								
Lead	2000	1910	95.5	2000	1890	94.5	2000	1900	95.0
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	2000	1950	97.5	2000	1920	96.0	2000	1940	97.0
Silicon									
Silver	250	254	101.6	250	250	100.0	250	251	100.4
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16031 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16031 Units: ug/l

Time:		16:41			17:32			18:03	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	2000	1950	97.5	2000	1950	97.5	2000	1950	97.5
Barium	2000	1950	97.5	2000	1960	98.0	2000	1930	96.5
Beryllium	anr								
Boron									
Cadmium	2000	1950	97.5	2000	1950	97.5	2000	1960	98.0
Calcium	anr								
Chromium	2000	1950	97.5	2000	1960	98.0	2000	1960	98.0
Cobalt	anr								
Copper	2000	1940	97.0	2000	1950	97.5	2000	1960	98.0
Gold									
Iron	anr								
Lead	2000	1910	95.5	2000	1910	95.5	2000	1910	95.5
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	2000	1950	97.5	2000	1960	98.0	2000	1960	98.0
Silicon									
Silver	250	246	98.4	250	248	99.2	250	250	100.0
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16031 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16031 Units: ug/l

Time:			12:25		17:50	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	200	200	anr			
Antimony	6.0	10	anr			
Arsenic	4.0	10	12.6	126.0	10.6	106.0
Barium	50	50	50.8	101.6	51.6	103.2
Beryllium	4.0	4.0	anr			
Boron	100	100				
Cadmium	4.0	4.0	4.4	110.0	4.2	105.0
Calcium	5000	5000	anr			
Chromium	10	10	10.3	103.0	9.9	99.0
Cobalt	50	50	anr			
Copper	25	25	24.3	97.2	25.0	100.0
Gold	50	50				
Iron	100	100	anr			
Lead	5.0	10	10.1	101.0	10.2	102.0
Magnesium	5000	5000	anr			
Manganese	15	15	anr			
Molybdenum	100	100				
Nickel	40	40	anr			
Palladium	50	50				
Platinum	50	50				
Potassium	5000	5000	anr			
Selenium	10	10	9.7	97.0	10.0	100.0
Silicon	100	100				
Silver	5.0	5.0	5.3	106.0	5.1	102.0
Sodium	5000	5000	anr			
Strontium	10	10				
Thallium	5.0	10	anr			
Tin	100	100				
Titanium	50	50				
Tungsten	100	100				
Vanadium	10	10	anr			
Zinc	20	20	anr			
Zirconium	50	50				

(*) Outside of QC limits

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16031 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16031 Units: ug/l

Time:			12:30		12:35		17:54		17:58	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	528000	105.6	535000	107.0	504000	100.8	528000	105.6
Antimony		2000	-0.30		2060	103.0	0.10		2060	103.0
Arsenic		2000	-1.7		2030	101.5	-0.30		2020	101.0
Barium		500	-0.80		511	102.2	-0.80		503	100.6
Beryllium		500	0.10		479	95.8	0.10		468	93.6
Boron		1000	1.6		989	98.9	1.3		994	99.4
Cadmium		1000	-0.10		1030	103.0	0.40		1020	102.0
Calcium	500000	500000	463000	92.6	466000	93.2	443000	88.6	446000	89.2
Chromium		500	-0.10		491	98.2	0.80		480	96.0
Cobalt		500	0.60		481	96.2	1.1		477	95.4
Copper		500	0.90		512	102.4	0.60		506	101.2
Gold		500	5.8		492	98.4	6.2		484	96.8
Iron	200000	200000	185000	92.5	187000	93.5	180000	90.0	184000	92.0
Lead		1000	0.70		901	90.1	-1.1		890	89.0
Magnesium	500000	500000	497000	99.4	501000	100.2	485000	97.0	492000	98.4
Manganese		500	-0.40		491	98.2	-0.20		484	96.8
Molybdenum		1000	-0.90		960	96.0	-0.80		954	95.4
Nickel		1000	-1.1		872	87.2	-0.90		868	86.8
Palladium		500	-30		498	99.6	-35		493	98.6
Platinum		500	-20		479	95.8	-13		470	94.0
Potassium			101		-55		-35		-20	
Selenium		2000	-1.1		2020	101.0	-3.6		2020	101.0
Silicon		2000	39.8		1780	89.0	38.6		1790	89.5
Silver		1000	0.30		1060	106.0	0.50		1040	104.0
Sodium			198		167		72.2		84.9	
Strontium		1000	0.90		1000	100.0	1.3		989	98.9
Thallium		2000	-0.60		1890	94.5	0.0		1870	93.5
Tin		1000	-0.70		973	97.3	0.10		970	97.0
Titanium		500	8.4		508	101.6	8.6		502	100.4
Tungsten		2000	-42		1860	93.0	-40		1830	91.5
Vanadium		500	0.20		503	100.6	0.0		496	99.2
Zinc		1000	-1.0		911	91.1	-1.3		894	89.4
Zirconium		500	-0.10		446	89.2	0.40		433	86.6

(*) Outside of QC limits

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082813M1.ICP Date Analyzed: 08/28/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16031 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082913M1.ICP Date Analyzed: 08/29/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16032
Parameters: Ba,Cu,Pb,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:24	MA16032-STD1	1		STD1
10:29	MA16032-STD2	1		STD2
10:33	MA16032-STD3	1		STD3
10:38	MA16032-STD4	1		STD4
10:42	MA16032-ICV1	1		
10:49	MA16032-ICB1	1		
10:54	MA16032-CCV1	1		
10:59	MA16032-CCB1	1		
11:05	MA16032-CRI1	1		
11:10	MA16032-CRIA1	1		
11:19	MA16032-CRIB1	1		
11:23	MA16032-ICSA1	1		
11:27	MA16032-ICSAB1	1		
11:36	ZZZZZZ	2		
11:44	MC23273-10R	5		
11:48	MC23273-4R	5		
11:52	MC23273-6R	5		
11:57	MC23273-9R	5		
12:01	MA16032-CCV2	1		
12:05	MA16032-CCB2	1		
12:09	ZZZZZZ	2		DNR: FOR CONFIRMATION ONLY.
12:14	MC23273-4R	2		
12:18	MC23273-6R	2		
12:23	MC23273-9R	2		
12:27	MC23273-10R	2		BA OVER RANGE.
12:31	MP21551-PS1	1		
12:36	MP21555-PS1	1		
---------->	Last reportable sample/prep for job MC23273R			
12:40	MP21562-B1	1		
12:45	MP21562-MB1	1		
12:49	MP21562-S1	1		
12:54	MA16032-CCV3	1		
12:58	MA16032-CCB3	1		
13:02	MP21562-S2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082913M1.ICP Date Analyzed: 08/29/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16032
Parameters: Ba,Cu,Pb,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:07	MC23874-1	1		(sample used for QC only; not part of login MC23273R)
13:11	MP21562-SD1	5		
13:16	MP21562-LB1	1		
13:24	MA16032-CRI2	1		
13:30	MA16032-CRIA2	1		
13:35	MA16032-CRIB2	1		
13:39	MA16032-ICSA2	1		
13:43	MA16032-ICSAB2	1		
13:48	MA16032-CCV4	1		
13:52	MA16032-CCB4	1		

----------> Last reportable CCB for job MC23273R
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082913M1.ICP Date Analyzed: 08/29/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16032
Parameters: Ba,Cu,Pb,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3
10:24	MA16032-STD1	2298 R	67927 R	9050 R
10:29	MA16032-STD2	2288	68158	9043
10:33	MA16032-STD3			9083
10:38	MA16032-STD4	2329	68207	9199
10:42	MA16032-ICV1	2299	67395	8933
10:49	MA16032-ICB1	2311	68101	9061
10:54	MA16032-CCV1	2304	67693	8985
10:59	MA16032-CCB1	2318	68020	9048
11:05	MA16032-CRI1	2313	67759	9094
11:10	MA16032-CRIA1	2309	67547	9200
11:19	MA16032-CRIB1	2278	67389	9006
11:23	MA16032-ICSA1	2080	62820	8989
11:27	MA16032-ICSAB1	2085	62530	8699
11:36	ZZZZZZ	2686	84637	11926 !a
11:44	MC23273-10R	2300	68474	9314
11:48	MC23273-4R	2285	68286	9175
11:52	MC23273-6R	2277	68073	9138
11:57	MC23273-9R	2313	68836	9320
12:01	MA16032-CCV2	2283	67554	9072
12:05	MA16032-CCB2	2287	67465	9121
12:09	ZZZZZZ	2314	69437	9474
12:14	MC23273-4R	2237	68009	9385
12:18	MC23273-6R	2225	68184	9245
12:23	MC23273-9R	2319	69717	9270
12:27	MC23273-10R	2288	69717	9348
12:31	MP21551-PS1	2647	81826	11263
12:36	MP21555-PS1	2356	71997	9973
12:40	MP21562-B1	2156	66002	9248
12:45	MP21562-MB1	2244	68350	9127
12:49	MP21562-S1	2053	64441	8954
12:54	MA16032-CCV3	2258	67166	9031
12:58	MA16032-CCB3	2270	67987	8942
13:02	MP21562-S2	2064	64314	8914

INTERNAL STANDARD SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082913M1.ICP Date Analyzed: 08/29/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16032
Parameters: Ba,Cu,Pb,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3
13:07	MC23874-1	2044	64179	8918
13:11	MP21562-SD1	2213	67460	9322
13:16	MP21562-LB1	2178	65523	9069
13:24	MA16032-CRI2	2291	68110	8958
13:30	MA16032-CRIA2	2294	68289	8995
13:35	MA16032-CRIB2	2301	68278	8900
13:39	MA16032-ICSA2	2100	63272	9037
13:43	MA16032-ICSAB2	2103	62850	8793
13:48	MA16032-CCV4	2297	67803	9035
13:52	MA16032-CCB4	2304	68643	9017

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

(a) No element reported by this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082913M1.ICP Date Analyzed: 08/29/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16032 Units: ug/l

Time: / Sample ID:			10:49 ICB1		10:59 CCB1		12:05 CCB2		12:58 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12	anr							
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.7	anr							
Barium	50	.32	0.20	<50	0.0	<50	0.10	<50	0.20	<50
Beryllium	4.0	.1	anr							
Boron	100	1.1								
Cadmium	4.0	.25	anr							
Calcium	5000	21	anr							
Chromium	10	.48	anr							
Cobalt	50	.29	anr							
Copper	25	.93	0.10	<25	0.40	<25	-0.30	<25	-0.90	<25
Gold	50	1.5								
Iron	100	3.5	anr							
Lead	5.0	1.2	0.70	<5.0	0.10	<5.0	0.20	<5.0	0.40	<5.0
Magnesium	5000	30	anr							
Manganese	15	.16	anr							
Molybdenum	100	.31								
Nickel	40	.45	anr							
Palladium	50	2.2								
Platinum	50	6.4								
Potassium	5000	54	anr							
Selenium	10	1.7	-0.50	<10	-1.2	<10	-0.60	<10	0.40	<10
Silicon	100	2								
Silver	5.0	.81	anr							
Sodium	5000	16	anr							
Strontium	10	.12								
Thallium	5.0	1.2	anr							
Tin	100	.87								
Titanium	50	.66								
Tungsten	100	9.3								
Vanadium	10	.82	anr							
Zinc	20	.45	anr							
Zirconium	50	.45								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082913M1.ICP Date Analyzed: 08/29/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16032 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082913M1.ICP Date Analyzed: 08/29/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16032 Units: ug/l

Time:			13:52	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Aluminum	200	12	anr	
Antimony	6.0	1.1	anr	
Arsenic	4.0	1.7	anr	
Barium	50	.32	0.20	<50
Beryllium	4.0	.1	anr	
Boron	100	1.1		
Cadmium	4.0	.25	anr	
Calcium	5000	21	anr	
Chromium	10	.48	anr	
Cobalt	50	.29	anr	
Copper	25	.93	-0.60	<25
Gold	50	1.5		
Iron	100	3.5	anr	
Lead	5.0	1.2	0.50	<5.0
Magnesium	5000	30	anr	
Manganese	15	.16	anr	
Molybdenum	100	.31		
Nickel	40	.45	anr	
Palladium	50	2.2		
Platinum	50	6.4		
Potassium	5000	54	anr	
Selenium	10	1.7	-0.80	<10
Silicon	100	2		
Silver	5.0	.81	anr	
Sodium	5000	16	anr	
Strontium	10	.12		
Thallium	5.0	1.2	anr	
Tin	100	.87		
Titanium	50	.66		
Tungsten	100	9.3		
Vanadium	10	.82	anr	
Zinc	20	.45	anr	
Zirconium	50	.45		

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082913M1.ICP Date Analyzed: 08/29/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16032 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082913M1.ICP Date Analyzed: 08/29/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16032 Units: ug/l

Time:		10:42			10:54			12:01	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	3000	3120	104.0	2000	1970	98.5	2000	1940	97.0
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	3000	2950	98.3	2000	1950	97.5	2000	1980	99.0
Gold									
Iron	anr								
Lead	3000	2900	96.7	2000	1930	96.5	2000	1960	98.0
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	3000	3000	100.0	2000	1970	98.5	2000	1990	99.5
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082913M1.ICP Date Analyzed: 08/29/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16032 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082913M1.ICP Date Analyzed: 08/29/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16032 Units: ug/l

Time:		12:54			13:48	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	2000	1970	98.5	2000	1970	98.5
Beryllium	anr					
Boron						
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt	anr					
Copper	2000	2040	102.0	2000	2010	100.5
Gold						
Iron	anr					
Lead	2000	2010	100.5	2000	1980	99.0
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Platinum						
Potassium	anr					
Selenium	2000	2030	101.5	2000	2010	100.5
Silicon						
Silver	anr					
Sodium	anr					
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					
Zirconium						

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082913M1.ICP Date Analyzed: 08/29/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16032 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082913M1.ICP Date Analyzed: 08/29/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16032 Units: ug/l

Time:			11:05		11:10		13:24		13:30	
Sample ID:	CRI	CRIA	CRI1		CRIA1		CRI2		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	200	anr							
Antimony	6.0	10	anr							
Arsenic	4.0	10	anr							
Barium	50	50	51.0	102.0	50.7	101.4	51.4	102.8	50.9	101.8
Beryllium	4.0	4.0	anr							
Boron	100	100								
Cadmium	4.0	4.0	anr							
Calcium	5000	5000	anr							
Chromium	10	10	anr							
Cobalt	50	50	anr							
Copper	25	25	25.2	100.8	25.3	101.2	25.0	100.0	24.5	98.0
Gold	50	50								
Iron	100	100	anr							
Lead	5.0	10	5.5	110.0	9.7	97.0	5.1	102.0	10.0	100.0
Magnesium	5000	5000	anr							
Manganese	15	15	anr							
Molybdenum	100	100								
Nickel	40	40	anr							
Palladium	50	50								
Platinum	50	50								
Potassium	5000	5000	anr							
Selenium	10	10	8.9	89.0	9.6	96.0	8.9	89.0	9.4	94.0
Silicon	100	100								
Silver	5.0	5.0	anr							
Sodium	5000	5000	anr							
Strontium	10	10								
Thallium	5.0	10	anr							
Tin	100	100								
Titanium	50	50								
Tungsten	100	100								
Vanadium	10	10	anr							
Zinc	20	20	anr							
Zirconium	50	50								

(*) Outside of QC limits

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082913M1.ICP Date Analyzed: 08/29/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16032 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082913M1.ICP Date Analyzed: 08/29/13 Methods: SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA16032 Units: ug/l

Time:		11:19		13:35	
Sample ID:	CRIB	CRIB1		CRIB2	
Metal	True	Results	% Rec	Results	% Rec
Aluminum	200				
Antimony	6.0				
Arsenic	10				
Barium	500	514	102.8	514	102.8
Beryllium	4.0				
Boron	100				
Cadmium	4.0				
Calcium	5000				
Chromium	10				
Cobalt	50				
Copper	25	25.7	102.8	23.6	94.4
Gold	50				
Iron	100				
Lead	10	10.1	101.0	10.0	100.0
Magnesium	5000				
Manganese	15				
Molybdenum	100				
Nickel	40				
Palladium	50				
Platinum	50				
Potassium	5000				
Selenium	25	25.3	101.2	26.3	105.2
Silicon	100				
Silver	5.0				
Sodium	5000				
Strontium	10				
Thallium	5.0				
Tin	100				
Titanium	50				
Tungsten	100				
Vanadium	10				
Zinc	100				
Zirconium	50				

(*) Outside of QC limits

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082913M1.ICP Date Analyzed: 08/29/13 Methods: SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA16032 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082913M1.ICP Date Analyzed: 08/29/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16032 Units: ug/l

Time:			11:23		11:27		13:39		13:43	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	522000	104.4	532000	106.4	515000	103.0	530000	106.0
Antimony		2000	-1.8		2100	105.0	0.20		2100	105.0
Arsenic		2000	-1.7		2070	103.5	-1.1		2080	104.0
Barium		500	-0.60		517	103.4	-0.50		516	103.2
Beryllium		500	0.10		477	95.4	0.10		472	94.4
Boron		1000	2.2		1010	101.0	1.8		998	99.8
Cadmium		1000	0.40		1060	106.0	0.20		1060	106.0
Calcium	500000	500000	456000	91.2	469000	93.8	451000	90.2	466000	93.2
Chromium		500	0.0		494	98.8	0.10		497	99.4
Cobalt		500	0.60		492	98.4	1.0		494	98.8
Copper		500	-0.40		517	103.4	-1.0		520	104.0
Gold		500	1.6		499	99.8	2.9		507	101.4
Iron	200000	200000	186000	93.0	192000	96.0	183000	91.5	190000	95.0
Lead		1000	0.50		916	91.6	-0.40		918	91.8
Magnesium	500000	500000	491000	98.2	503000	100.6	479000	95.8	495000	99.0
Manganese		500	0.0		492	98.4	-0.20		491	98.2
Molybdenum		1000	-0.70		980	98.0	-0.60		986	98.6
Nickel		1000	-1.7		888	88.8	-1.5		885	88.5
Palladium		500	-40		492	98.4	-35		493	98.6
Platinum		500	-18		471	94.2	-22		474	94.8
Potassium			47.9		60.6		66.8		53.5	
Selenium		2000	-2.1		2050	102.5	-1.6		2060	103.0
Silicon		2000	50.3		2170	108.5	56.9		2170	108.5
Silver		1000	0.30		1070	107.0	-0.20		1070	107.0
Sodium			90.4		74.4		540		513	
Strontium		1000	1.5		1030	103.0	1.6		1030	103.0
Thallium		2000	-1.4		1930	96.5	-1.2		1950	97.5
Tin		1000	-0.10		994	99.4	0.40		993	99.3
Titanium		500	8.6		510	102.0	8.8		512	102.4
Tungsten		2000	-32		1880	94.0	-40		1890	94.5
Vanadium		500	0.50		509	101.8	0.0		514	102.8
Zinc		1000	-0.80		933	93.3	-1.0		943	94.3
Zirconium		500	0.20		428	85.6	0.10		429	85.8

(*) Outside of QC limits

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082913M1.ICP Date Analyzed: 08/29/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16032 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21554
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 08/27/13

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0087	.0097	-0.011	<0.033

Associated samples MP21554: MC23273-1R, MC23273-4R, MC23273-6R, MC23273-9R, MC23273-10R, MC23273-21R, MC23273-22R, MC23273-24R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21554 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/27/13

Metal	MC23794-1 Original	MS	Spikelot HGRWS1	% Rec	QC Limits
Mercury	0.043	0.56	0.504	102.6	80-120

Associated samples MP21554: MC23273-1R, MC23273-4R, MC23273-6R, MC23273-9R, MC23273-10R, MC23273-21R, MC23273-22R, MC23273-24R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21554 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/27/13

Metal	MC23794-1 Original	MSD	Spikelot HGRWS1	% Rec	MSD RPD	QC Limit
Mercury	0.043	0.56	0.504	102.6	0.0	20

Associated samples MP21554: MC23273-1R, MC23273-4R, MC23273-6R, MC23273-9R, MC23273-10R, MC23273-21R, MC23273-22R, MC23273-24R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21554
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 08/27/13 08/27/13

Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	0.49	0.5	98.0	80-120	0.49	0.5	98.0	0.0	30

Associated samples MP21554: MC23273-1R, MC23273-4R, MC23273-6R, MC23273-9R, MC23273-10R, MC23273-21R, MC23273-22R, MC23273-24R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21554
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 08/27/13

Metal	LCS Result	Spikelot HGLCS78	% Rec	QC Limits
Mercury	4.2	4.05	103.7	72-128

Associated samples MP21554: MC23273-1R, MC23273-4R, MC23273-6R, MC23273-9R, MC23273-10R, MC23273-21R, MC23273-22R, MC23273-24R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21555
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/28/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.2	3.6		
Antimony	1.0	.11	.15		
Arsenic	1.0	.17	.21	0.050	<1.0
Barium	5.0	.032	.073	0.030	<5.0
Beryllium	0.40	.01	.024		
Boron	10	.11	.11		
Cadmium	0.40	.025	.042	0.010	<0.40
Calcium	500	2.1	6.3		
Chromium	1.0	.048	.095	0.020	<1.0
Cobalt	5.0	.029	.047		
Copper	2.5	.093	.56	-0.010	<2.5
Gold	5.0	.15	.43		
Iron	10	.35	.87		
Lead	1.0	.12	.17	-0.030	<1.0
Magnesium	500	3	5.1		
Manganese	1.5	.016	.04		
Molybdenum	10	.031	.07		
Nickel	4.0	.045	.044		
Palladium	5.0	.22	.64		
Platinum	5.0	.64	1.5		
Potassium	500	5.4	8.6		
Selenium	1.0	.17	.35	0.060	<1.0
Silicon	10	.2	3.3		
Silver	0.50	.081	.13	-0.020	<0.50
Sodium	500	1.6	3.3		
Strontium	1.0	.012	.03		
Thallium	1.0	.12	.13		
Tin	10	.087	.14		
Titanium	5.0	.066	.14		
Tungsten	10	.93	.94		
Vanadium	1.0	.082	.13		
Zinc	2.0	.045	.16		
Zirconium	5.0	.045	.088		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21555
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21555: MC23273-1R, MC23273-4R, MC23273-6R, MC23273-9R, MC23273-10R, MC23273-21R, MC23273-22R, MC23273-24R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21555
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/28/13

Metal	MC23749-2 Original	MS	Spikelot MPICP	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	2.6	45.7	45.8	94.2	75-125
Barium	78.3	235	183	85.6	75-125
Beryllium					
Boron					
Cadmium	0.39	42.2	45.8	91.3	75-125
Calcium					
Chromium	11.9	56.9	45.8	98.3	75-125
Cobalt					
Copper	31.3	74.7	45.8	94.8	75-125
Gold					
Iron					
Lead	169	194	91.5	27.3 (a)	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel					
Palladium					
Platinum					
Potassium					
Selenium	0.40	41.0	45.8	88.7	75-125
Silicon					
Silver	0.092	17.3	18.3	94.0	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc					
Zirconium					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21555
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21555: MC23273-1R, MC23273-4R, MC23273-6R, MC23273-9R, MC23273-10R, MC23273-21R, MC23273-22R, MC23273-24R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.Post spike within acceptable range.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21555
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/28/13

Metal	MC23749-2 Original	MSD	Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	2.6	45.8	46.1	93.6	0.2	20
Barium	78.3	242	185	88.7	2.9	20
Beryllium						
Boron						
Cadmium	0.39	42.4	46.1	91.0	0.5	20
Calcium						
Chromium	11.9	56.2	46.1	96.0	1.2	20
Cobalt						
Copper	31.3	75.7	46.1	96.2	1.3	20
Gold						
Iron						
Lead	169	202	92.3	35.8 (a)	4.0	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Palladium						
Platinum						
Potassium						
Selenium	0.40	41.5	46.1	89.1	1.2	20
Silicon						
Silver	0.092	17.4	18.5	93.8	0.6	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc						
Zirconium						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21555
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21555: MC23273-1R, MC23273-4R, MC23273-6R, MC23273-9R, MC23273-10R, MC23273-21R, MC23273-22R, MC23273-24R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike duplicate recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21555
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/28/13 08/28/13

Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum									
Antimony									
Arsenic	50.4	50	100.8	80-120	51.2	50	102.4	1.6	20
Barium	192	200	96.0	80-120	196	200	98.0	2.1	20
Beryllium									
Boron									
Cadmium	48.3	50	96.6	80-120	49.0	50	98.0	1.4	20
Calcium									
Chromium	50.2	50	100.4	80-120	51.0	50	102.0	1.6	20
Cobalt									
Copper	46.6	50	93.2	80-120	47.3	50	94.6	1.5	20
Gold									
Iron									
Lead	92.2	100	92.2	80-120	93.9	100	93.9	1.8	20
Magnesium									
Manganese									
Molybdenum									
Nickel									
Palladium									
Platinum									
Potassium									
Selenium	48.0	50	96.0	80-120	48.9	50	97.8	1.9	20
Silicon									
Silver	19.7	20	98.5	80-120	20.0	20	100.0	1.5	20
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc									
Zirconium									

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21555
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21555: MC23273-1R, MC23273-4R, MC23273-6R, MC23273-9R, MC23273-10R, MC23273-21R, MC23273-22R, MC23273-24R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21555
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/28/13

Metal	LCS Result	Spikelot MPLCS78	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	87.3	94.5	92.4	82-117
Barium	157	166	94.6	83-116
Beryllium				
Boron				
Cadmium	56.5	59.9	94.3	84-116
Calcium				
Chromium	68.0	69.3	98.1	81-119
Cobalt				
Copper	71.3	78	91.4	84-116
Gold				
Iron				
Lead	78.9	91.7	86.0	82-118
Magnesium				
Manganese				
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium	150	159	94.3	79-121
Silicon				
Silver	32.1	33.9	94.7	66-134
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				
Zirconium				

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21555
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21555: MC23273-1R, MC23273-4R, MC23273-6R, MC23273-9R, MC23273-10R, MC23273-21R, MC23273-22R, MC23273-24R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21555
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/28/13

Metal	MC23749-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	28.7	35.2	22.6 (a)	0-10
Barium	856	923	7.9	0-10
Beryllium				
Boron				
Cadmium	4.30	5.20	20.9 (a)	0-10
Calcium				
Chromium	130	142	9.2	0-10
Cobalt				
Copper	342	367	7.2	0-10
Gold				
Iron				
Lead	1840	2050	11.3 (b)	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium	4.40	0.00	100.0(a)	0-10
Silicon				
Silver	1.00	0.00	100.0(a)	0-10
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				
Zirconium				

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21555
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Associated samples MP21555: MC23273-1R, MC23273-4R, MC23273-6R, MC23273-9R, MC23273-10R, MC23273-21R, MC23273-22R, MC23273-24R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

POST DIGESTATE SPIKE SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21555
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/28/13

Metal	Sample ml	Final ml	MC23749-2 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Boron										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Gold										
Iron										
Lead	10	10.1	1841	1822.772	5390	.1	370	3663.366	97.4	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Palladium										
Platinum										
Potassium										
Selenium										
Silicon										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Tungsten										
Vanadium										
Zinc										
Zirconium										

POST DIGESTATE SPIKE SUMMARY

Login Number: MC23273R
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21555
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Associated samples MP21555: MC23273-1R, MC23273-4R, MC23273-6R, MC23273-9R, MC23273-10R, MC23273-21R, MC23273-22R, MC23273-24R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

New England ACCUTEST LABORATORIES

Metals Analysis

Raw Data

Folder: #HG5 **PUBLIC FOLDER ** Page 1
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 802		09:42:51 29 Aug 13			HG
Hg	.000	ppb	755						
*** Standard: 2 Rep: 1				Seq: 803		09:45:12 29 Aug 13			HG
Hg	.200	ppb	1988						
*** Standard: 3 Rep: 1				Seq: 804		09:47:44 29 Aug 13			HG
Hg	.500	ppb	4895						
*** Standard: 4 Rep: 1				Seq: 805		09:50:10 29 Aug 13			HG
Hg	1.00	ppb	9321						
*** Standard: 5 Rep: 1				Seq: 806		09:52:43 29 Aug 13			HG
Hg	2.00	ppb	18918						
*** Standard: 6 Rep: 1				Seq: 807		09:55:11 29 Aug 13			HG
Hg	3.00	ppb	28166						
*** Standard: 7 Rep: 1				Seq: 808		09:58:59 29 Aug 13			HG
Hg	4.00	ppb	37007						
*** Standard: 8 Rep: 1				Seq: 809		10:01:43 29 Aug 13			HG
Hg	5.00	ppb	45919						
*** Standard: 9 Rep: 1				Seq: 810		10:04:06 29 Aug 13			HG
Hg	6.00	ppb	55189						
*** Sample ID: ICV			H1082913S1	Seq: 811		10:08:11 29 Aug 13			HG
Hg	3.97	ppb	.000	3.97					
*** Sample ID: ICB			H1082913S1	Seq: 812		10:11:03 29 Aug 13			HG
Hg	-.018	ppb	.000	-.018					

Folder: #HG5 **PUBLIC FOLDER ** Page 2
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCV			H1082913S1 Seq: 813		10:13:34 29 Aug 13		HG	
Hg	3.07	ppb	.000	3.07				
*** Sample ID: CCB			H1082913S1 Seq: 814		10:16:19 29 Aug 13		HG	
Hg	-.029	ppb	.000	-.029				
*** Sample ID: CRI			H1082913S1 Seq: 815		10:18:50 29 Aug 13		HG	
Hg	.156	ppb	.000	.156				
*** Sample ID: CRI			H1082913S1 Seq: 816		10:22:16 29 Aug 13		HG	
Hg	.220	ppb	.000	.220				
*** Sample ID: MP21554MB1			H1082913S1 Seq: 817		10:24:38 29 Aug 13		HG	
Hg	-.063	ppb	.000	-.063				
*** Sample ID: MP21554-B1			H1082913S1 Seq: 818		10:27:05 29 Aug 13		HG	
Hg	2.96	ppb	.000	2.96				
*** Sample ID: MP21554-B2			H1082913S1 Seq: 819		10:29:43 29 Aug 13		HG	
Hg	2.95	ppb	.000	2.95				
*** Sample ID: MP21554-S1			H1082913S1 Seq: 820		10:32:08 29 Aug 13		HG	
			MC23794-1					
Hg	3.33	ppb	.000	3.33				
*** Sample ID: MP21554-S2			H1082913S1 Seq: 821		10:34:32 29 Aug 13		HG	
			MC23794-1					
Hg	3.36	ppb	.000	3.36				
*** Sample ID: MC23794-1			H1082913S1 Seq: 822		10:36:55 29 Aug 13		HG	
Hg	.258	ppb	.000	.258				

```
                                  Folder:   #HG5     **PUBLIC FOLDER **   Page    3
                                  Protocol:
                                 ***POST-RUN REPORT***
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Sample ID: MP21554LC1 H1082913S1 Seq:  823    10:39:18 29 Aug 13   HG
                                                 Wgt 1.0000 Vol 10.000
Hg    25.4    ppb       .000      25.4
                                                                              =
===============================================================================
*** Sample ID: MC23744-32 H1082913S1 Seq:  824    10:41:50 29 Aug 13   HG

Hg    .228    ppb       .000      .228
                                                                              =
===============================================================================
*** Sample ID: CCV        H1082913S1 Seq:  825    10:46:14 29 Aug 13   HG

Hg    3.17    ppb       .000      3.17
                                                                              =
===============================================================================
*** Sample ID: CCB        H1082913S1 Seq:  826    10:49:29 29 Aug 13   HG

Hg   -.042    ppb       .000     -.042
                                                                              =
===============================================================================
*** Sample ID: MC23793-1  H1082913S1 Seq:  827    10:52:11 29 Aug 13   HG

Hg    .067    ppb       .000      .067
                                                                              =
===============================================================================
*** Sample ID: MC23793-2  H1082913S1 Seq:  828    10:54:54 29 Aug 13   HG

Hg    .005    ppb       .000      .005
                                                                              =
===============================================================================
*** Sample ID: MC23794-2  H1082913S1 Seq:  829    10:57:26 29 Aug 13   HG

Hg    .359    ppb       .000      .359
                                                                              =
===============================================================================
*** Sample ID: MC23794-3  H1082913S1 Seq:  830    10:59:52 29 Aug 13   HG

Hg    .336    ppb       .000      .336
                                                                              =
===============================================================================
*** Sample ID: MC23794-4  H1082913S1 Seq:  831    11:02:34 29 Aug 13   HG

Hg    .307    ppb       .000      .307
                                                                              =
===============================================================================
*** Sample ID: MC23827-1  H1082913S1 Seq:  832    11:05:00 29 Aug 13   HG

Hg    .113    ppb       .000      .113
                                                                              =
===============================================================================
```

Folder: #HG5 **PUBLIC FOLDER ** Page 4
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC23827-2 H1082913S1 Seq: 833 11:07:53 29 Aug 13 HG								
Hg	.200	ppb	.000	.200				
*** Sample ID: MC23827-3 H1082913S1 Seq: 834 11:10:56 29 Aug 13 HG								
Hg	.010	ppb	.000	.010				
*** Sample ID: MC23827-4 H1082913S1 Seq: 835 11:13:38 29 Aug 13 HG								
Hg	.079	ppb	.000	.079				
*** Sample ID: MC23827-5 H1082913S1 Seq: 836 11:16:12 29 Aug 13 HG								
Hg	.078	ppb	.000	.078				
*** Sample ID: CCV H1082913S1 Seq: 837 11:18:39 29 Aug 13 HG								
Hg	3.31	ppb	.000	3.31				
*** Sample ID: CCB H1082913S1 Seq: 838 11:21:07 29 Aug 13 HG								
Hg	-.044	ppb	.000	-.044				
*** Sample ID: MC23273-1R H1082913S1 Seq: 839 11:23:51 29 Aug 13 HG								
Hg	.510	ppb	.000	.510				
*** Sample ID: MC23273-4R H1082913S1 Seq: 840 11:26:26 29 Aug 13 HG								
Hg	.900	ppb	.000	.900				
*** Sample ID: MC23273-6R H1082913S1 Seq: 841 11:28:59 29 Aug 13 HG								
Hg	.683	ppb	.000	.683				
*** Sample ID: MC23273-9R H1082913S1 Seq: 842 11:31:35 29 Aug 13 HG								
Hg	.451	ppb	.000	.451				

Folder: #HG5 **PUBLIC FOLDER ** Page 5
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: MC2327310R H1082913S1 Seq: 843 11:34:10 29 Aug 13 HG									
Hg	1.78	ppb	.000	1.78					=
*** Sample ID: MC2327321R H1082913S1 Seq: 844 11:36:45 29 Aug 13 HG									
Hg	.300	ppb	.000	.300					=
*** Sample ID: MC2327322R H1082913S1 Seq: 845 11:39:07 29 Aug 13 HG									
Hg	.125	ppb	.000	.125					=
*** Sample ID: MC2327324R H1082913S1 Seq: 846 11:41:40 29 Aug 13 HG									
Hg	.347	ppb	.000	.347					=
*** Sample ID: CRI H1082913S1 Seq: 847 11:45:04 29 Aug 13 HG									
Hg	.153	ppb	.000	.153					=
*** Sample ID: CRI H1082913S1 Seq: 848 11:52:20 29 Aug 13 HG									
Hg	.184	ppb	.000	.184					=
*** Sample ID: CCV H1082913S1 Seq: 849 11:54:58 29 Aug 13 HG									
Hg	3.10	ppb	.000	3.10					=
*** Sample ID: CCB H1082913S1 Seq: 850 11:57:20 29 Aug 13 HG									
Hg	-.055	ppb	.000	-.055					=

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 8/28/2013 11:46:22 Type: Cal
Method: Accutest -SS2(v49) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0029	.0009	.0000	.0002	.0024	.0081	.0002	.0046	.0027
Stddev	.0001	.0007	.000	.0000	.0000	.0002	.0003	.0001	.0001
%RSD	4.488	72.84	366.2	9.472	1.272	1.925	156.8	1.659	2.552
#1	-.0028	.0014	.0000	.0002	.0024	.0080	.0004	.0046	.0028
#2	-.0030	.0005	.0000	.0002	.0024	.0082	.0000	.0047	.0027

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0002	.0001	.0077	.0003	.0107	-.0001	.0005	.0001	.0098
Stddev	.0002	.0000	.0002	.0002	.0006	.0001	.0000	.0000	.0003
%RSD	96.11	38.90	2.486	69.23	5.649	58.02	1.458	9.119	3.216
#1	-.0004	.0001	.0079	.0005	.0112	-.0001	.0005	.0001	.0096
#2	-.0001	.0001	.0076	.0002	.0103	-.0002	.0005	.0001	.0100

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0015	-.0007	.0001	.0000	.0002	.0005	.1660	-.0003	.0039
Stddev	.0002	.0002	.0000	.000	.0005	.0002	.0004	.0002	.0004
%RSD	12.25	25.53	36.11	45.35	248.4	43.40	.2505	70.94	10.19
#1	-.0016	-.0009	.0001	-.0001	-.0002	.0007	.1663	-.0001	.0042
#2	-.0013	-.0006	.0001	.0000	.0006	.0004	.1657	-.0004	.0036

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0001	-.0015	.0004	-.0001	.0006	.0006
Stddev	.0000	.0002	.0001	.0000	.0002	.0001
%RSD	15.19	16.69	22.09	13.20	34.42	24.87
#1	-.0001	-.0017	.0004	-.0001	.0008	.0005
#2	-.0001	-.0013	.0003	-.0001	.0005	.0007

◀ Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 8/28/2013 11:46:22 Type: Cal
Method: Accutest -SS2(v49) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	2196.1	64355.	11469.
Stddev	7.0	7.	50.
%RSD	.31875	.01161	.43821
#1	2201.1	64350.	11433.
#2	2191.2	64360.	11504.

◀ Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 8/28/2013 11:50:42 Type: Cal
Method: Accutest -SS2(v49) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1581	.6312	2.216	16.21	14.93	10.57	9.442	1.024	2.002	5.788
Stddev	.0006	.0004	.001	.06	.05	.02	.014	.000	.005	.018
%RSD	.3508	.0583	.0568	.3584	.3452	.1545	.1429	.0427	.2350	.3095
#1	.1577	.6315	2.217	16.25	14.97	10.58	9.452	1.023	2.005	5.775
#2	.1585	.6310	2.215	16.17	14.89	10.56	9.433	1.024	1.999	5.801

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8.051	7.496	3.132	1.710	.8885	1.166	11.74
Stddev	.009	.011	.006	.003	.0019	.001	.02
%RSD	.1123	.1525	.1924	.1588	.2119	.0821	.2121
#1	8.057	7.504	3.136	1.712	.8899	1.167	11.75
#2	8.044	7.488	3.128	1.708	.8872	1.166	11.72

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	2178.3	64037.	11133.
Stddev	7.4	419.	3.
%RSD	.33866	.65362	.03036
#1	2173.1	64333.	11130.
#2	2183.6	63741.	11135.

◀ Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 8/28/2013 11:55:02 Type: Cal
Method: Accutest -SS2(v49) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.358	2.648	1.543	.8469	.1792	2.556
Stddev	.003	.005	.001	.0008	.0006	.003
%RSD	.1911	.1961	.0491	.0992	.3378	.1293
#1	1.356	2.644	1.543	.8463	.1788	2.554
#2	1.360	2.651	1.544	.8475	.1797	2.558

Int. Std.	Y_3710
Units	Cts/S
Avg	11202.
Stddev	48.
%RSD	.42600
#1	11235.
#2	11168.

Zoom In Zoom Out

Sample Name: Std4 Acquired: 8/28/2013 11:59:21 Type: Cal
Method: Accutest -SS2(v49) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	Si2124	Sn1899	Sr4077	Ti3349	V_2924	W_2397	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2896	.4943	.0800	2.738	1.850	25.75	1.599	1.366	.0749	3.265
Stddev	.0007	.0001	.0006	.005	.001	.31	.001	.003	.0008	.003
%RSD	.2409	.0247	.7247	.1829	.0766	1.185	.0492	.1882	1.057	.0917
#1	.2901	.4942	.0796	2.742	1.849	25.97	1.600	1.368	.0744	3.267
#2	.2891	.4943	.0804	2.734	1.851	25.54	1.599	1.364	.0755	3.263

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	2193.8	64171.	11045.
Stddev	1.2	41.	78.
%RSD	.05512	.06440	.71021
#1	2194.6	64201.	10990.
#2	2192.9	64142.	11101.

Zoom In Zoom Out

Sample Name: ICV Acquired: 8/28/2013 12:03:45 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.5158	16.16	3.034	2.975	3.049	3.090	3.033	18.25	3.013	2.998
Stddev	.0033	.02	.003	.012	.001	.006	.003	.03	.000	.000
%RSD	.6365	.0983	.0937	.4006	.0328	.1842	.0949	.1595	.0137	.0065
#1	.5135	16.15	3.032	2.967	3.050	3.086	3.031	18.23	3.012	2.998
#2	.5181	16.17	3.036	2.984	3.048	3.094	3.036	18.27	3.013	2.998

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	3.086	2.972	18.39	15.48	18.50	3.016	2.888	15.52	2.883	2.924
Stddev	.017	.018	.03	.03	.07	.013	.002	.01	.004	.000
%RSD	.5356	.6155	.1512	.1627	.3818	.4306	.0774	.0405	.1315	.0060
#1	3.075	2.959	18.37	15.47	18.45	3.025	2.887	15.53	2.886	2.924
#2	3.098	2.985	18.41	15.50	18.55	3.007	2.890	15.52	2.880	2.924

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	3.018	2.998	2.962	3.019	2.708	3.121	3.077	3.043	2.986	3.003
Stddev	.014	.015	.004	.001	.003	.002	.048	.018	.001	.016
%RSD	.4713	.4876	.1272	.0163	.1166	.0638	1.565	.5966	.0389	.5298
#1	3.008	2.987	2.965	3.019	2.710	3.123	3.043	3.030	2.987	2.992
#2	3.028	3.008	2.960	3.019	2.705	3.120	3.111	3.056	2.986	3.014

Elem	W_2397	Zn2062	Zr3391
Avg	2.929	2.935	3.096
Stddev	.025	.001	.015
%RSD	.8361	.0470	.4763
#1	2.912	2.934	3.085
#2	2.947	2.936	3.106

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2184.5	64037.	11096.
Stddev	.8	184.	76.
%RSD	.03669	.28730	.68478
#1	2185.1	64167.	11150.
#2	2183.9	63906.	11043.

Zoom In Zoom Out

Sample Name: ICB Acquired: 8/28/2013 12:09:30 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0040	.0012	.0019	.0026	.0002	.0001	.0003	.0003	.0001
Stddev	.0000	.0015	.0010	.0001	.0000	.0001	.0000	.0026	.0001	.0001
%RSD	21.79	36.94	84.52	3.131	1.608	22.00	65.72	818.8	20.79	109.5
#1	-.0002	.0051	.0019	.0019	.0025	.0002	.0000	.0022	.0002	.0000
#2	-.0001	.0030	.0005	.0018	.0026	.0003	.0001	-.0015	.0003	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	-.0007	.0024	-.0713	-.0086	.0001	.0013	-.0011	.0002	.0009
Stddev	.0001	.0000	.0007	.0386	.0085	.0000	.0001	.0088	.0001	.0003
%RSD	12550.	3.340	29.76	54.23	98.43	36.62	5.051	779.8	48.63	36.33
#1	.0001	-.0007	.0028	-.0986	-.0026	.0001	.0013	-.0073	.0002	.0011
#2	-.0001	-.0007	.0019	-.0439	-.0146	.0000	.0012	.0051	.0003	.0007

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0005	.0008	.0002	-.0012	.0004	.0003	.0000	.0000	.0014	.0006
Stddev	.0008	.0001	.0008	.0006	.0011	.0004	.0000	.0002	.0005	.0001
%RSD	167.7	10.04	386.6	53.05	258.8	150.8	134.1	2150.	34.70	19.07
#1	-.0001	.0009	.0008	-.0017	-.0004	.0000	.0000	.0001	.0017	.0007
#2	.0011	.0007	-.0004	-.0008	.0012	.0006	.0000	-.0001	.0010	.0005

Elem	W_2397	Zn2062	Zr3391
Avg	.0098	.0001	.0012
Stddev	.0013	.0000	.0001
%RSD	12.89	41.15	4.396
#1	.0106	.0001	.0013
#2	.0089	.0001	.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2206.0	64514.	11088.
Stddev	3.6	10.	30.
%RSD	.16393	.01521	.27264
#1	2208.6	64521.	11066.
#2	2203.5	64507.	11109.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/28/2013 12:13:51 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2489	10.05	1.959	-.0026	1.953	1.984	2.018	10.09	1.972	2.049
Stddev	.0001	.01	.002	.0002	.005	.004	.006	.01	.003	.003
%RSD	.0549	.0600	.0854	7.192	.2450	.1929	.3162	.1016	.1300	.1314
#1	.2490	10.05	1.960	-.0027	1.956	1.986	2.023	10.10	1.974	2.051
#2	.2488	10.05	1.958	-.0025	1.950	1.981	2.014	10.08	1.970	2.047

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.983	1.969	10.03	9.996	9.957	1.979	1.962	10.03	1.937	1.924
Stddev	.002	.000	.02	.017	.038	.001	.001	.03	.004	.003
%RSD	.0869	.0017	.1783	.1712	.3839	.0430	.0249	.2518	.2064	.1570
#1	1.982	1.969	10.04	10.01	9.930	1.979	1.962	10.05	1.940	1.926
#2	1.985	1.969	10.02	9.984	9.984	1.978	1.961	10.01	1.934	1.922

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0023	.0058	1.959	1.959	.0866	1.970	2.035	1.982	1.967	1.986
Stddev	.0021	.0029	.005	.004	.0004	.003	.005	.001	.007	.003
%RSD	93.42	50.54	.2743	.1878	.4835	.1618	.2447	.0230	.3373	.1720
#1	.0008	.0078	1.962	1.962	.0863	1.972	2.039	1.982	1.972	1.989
#2	.0038	.0037	1.955	1.957	.0869	1.968	2.032	1.981	1.963	1.984

Elem	W_2397	Zn2062	Zr3391
Avg	.0009	1.952	.0021
Stddev	.0037	.004	.0006
%RSD	416.1	.2024	30.11
#1	.0035	1.955	.0025
#2	-.0017	1.949	.0017

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2196.6	64272.	11035.
Stddev	.0	159.	71.
%RSD	.00034	.24789	.64340
#1	2196.7	64159.	10985.
#2	2196.6	64384.	11085.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/28/2013 12:19:42 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0004	-.0055	.0006	-.0008	.0020	.0001	.0000	-.0009	F.0004
Stddev	.0001	.0130	.0002	.0001	.0002	.0000	.000	.0028	.0002
%RSD	14.66	238.5	35.71	10.84	11.47	31.35	98.84	316.4	34.68
#1	.0004	.0037	.0005	-.0008	.0021	.0001	.0000	-.0029	.0003
#2	.0003	-.0147	.0008	-.0009	.0018	.0001	.0000	.0011	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	-.0002	-.0007	.0035	-.0949	-.0169	.0001	.0011	.0041
Stddev	.0002	.0006	.0001	.0024	.0324	.0327	.0001	.0001	.0013
%RSD	79.39	277.4	13.44	70.87	34.19	194.0	53.74	10.60	30.76
#1	.0001	.0002	-.0008	.0052	-.1178	.0063	.0001	.0011	.0050
#2	.0004	-.0006	-.0007	.0017	-.0719	-.0400	.0001	.0010	.0032

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0004	-.0003	-.0002	.0044	.0004	.0001	-.0012	.0003	.0001
Stddev	.0000	.0000	.0009	.0015	.0015	.0002	.0000	.0000	.0001
%RSD	6.896	11.52	573.5	33.95	345.3	173.9	1.988	3.485	111.2
#1	.0005	-.0003	.0005	.0033	-.0006	.0000	-.0011	.0002	.0001
#2	.0004	-.0002	-.0008	.0054	.0015	.0003	-.0012	.0003	.0000

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0002	.0015	.0005	.0060	.0001	.0000
Stddev	.0007	.0009	.0001	.0035	.0001	.0001
%RSD	354.8	60.28	10.52	58.63	56.66	232.9
#1	-.0007	.0009	.0006	.0035	.0001	.0000
#2	.0003	.0022	.0005	.0085	.0002	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2216.6	64495.	11086.
Stddev	2.8	300.	132.
%RSD	.12695	.46519	1.1893
#1	2218.6	64282.	11179.
#2	2214.6	64707.	10993.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 8/28/2013 12:25:47 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0053	.2103	.0126	-.0001	.1018	.0508	.0042	5.013	.0044	.0530
Stddev	.0003	.0080	.0012	.0002	.0002	.0005	.0000	.055	.0000	.0002
%RSD	4.955	3.806	9.900	401.9	.1661	.9919	.9754	1.101	.1444	.3721
#1	.0055	.2046	.0117	-.0002	.1019	.0504	.0041	4.974	.0043	.0528
#2	.0051	.2159	.0134	.0001	.1017	.0511	.0042	5.052	.0044	.0531

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0103	.0243	.1004	4.987	4.960	.0155	.1021	5.001	.0407	.0101
Stddev	.0003	.0000	.0049	.012	.070	.0000	.0008	.004	.0004	.0007
%RSD	3.155	.0182	4.896	.2307	1.413	.1206	.8268	.0839	.9690	6.850
#1	.0105	.0243	.0969	4.979	4.910	.0155	.1015	4.998	.0405	.0096
#2	.0101	.0243	.1039	4.995	5.009	.0155	.1027	5.004	.0410	.0106

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0006	.0054	.0106	.0097	.0000	.1003	.0102	.0509	.0105	.0103
Stddev	.0000	.0026	.0003	.0005	.001	.0003	.0000	.0006	.0008	.0000
%RSD	6.500	47.54	2.356	5.013	4388.	.3147	.2503	1.122	7.575	.1679
#1	.0007	.0073	.0105	.0101	-.0009	.1001	.0102	.0513	.0111	.0103
#2	.0006	.0036	.0108	.0094	.0009	.1005	.0102	.0505	.0100	.0103

Elem	W_2397	Zn2062	Zr3391
Avg	.0063	.0209	-.0001
Stddev	.0063	.0002	.0002
%RSD	98.75	.7372	151.0
#1	.0019	.0208	.0000
#2	.0108	.0210	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2210.9	64516.	11300.
Stddev	.7	56.	46.
%RSD	.03235	.08696	.41001
#1	2211.4	64555.	11333.
#2	2210.3	64476.	11267.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 8/28/2013 12:30:38 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	528.1	-.0017	.0058	.0016	-.0008	.0001	463.2	-.0001	.0006
Stddev	.0001	1.9	.0005	.0005	.0002	.0000	.0000	3.0	.0002	.0003
%RSD	55.57	.3637	26.18	8.854	10.61	1.447	33.01	.6488	202.2	45.37
#1	.0002	529.4	-.0021	.0062	.0017	-.0008	.0001	465.3	.0000	.0004
#2	.0004	526.7	-.0014	.0055	.0014	-.0008	.0001	461.1	-.0002	.0008

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	.0009	184.8	.1009	497.2	-.0004	-.0009	.1982	-.0011	.0007
Stddev	.0003	.0001	.0	.0505	.5	.0000	.0000	.0082	.0004	.0005
%RSD	310.2	13.46	.0134	50.09	.1001	13.14	3.919	4.118	33.28	69.03
#1	.0001	.0010	184.8	.0651	496.9	-.0003	-.0009	.1924	-.0008	.0010
#2	-.0003	.0009	184.8	.1366	497.6	-.0004	-.0009	.2040	-.0013	.0003

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0297	-.0195	-.0003	-.0011	.0398	-.0007	.0009	.0084	-.0006	.0002
Stddev	.0010	.0064	.0003	.0007	.0001	.0002	.0001	.0005	.0001	.0000
%RSD	3.477	32.85	111.6	67.00	.1679	34.99	8.732	6.348	15.92	7.617
#1	-.0304	-.0150	-.0001	-.0016	.0399	-.0005	.0009	.0080	-.0007	.0002
#2	-.0289	-.0241	-.0005	-.0006	.0398	-.0009	.0010	.0088	-.0005	.0002

Elem	W_2397	Zn2062	Zr3391
Avg	-.0424	-.0010	-.0001
Stddev	.0054	.0000	.0001
%RSD	12.81	2.639	138.5
#1	-.0386	-.0011	-.0002
#2	-.0462	-.0010	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2028.5	59679.	10828.
Stddev	3.8	240.	39.
%RSD	.18906	.40257	.36379
#1	2025.7	59509.	10856.
#2	2031.2	59849.	10800.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 8/28/2013 12:35:04 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.059	535.1	2.033	.4924	.9889	.5109	.4788	465.8	1.025	.4813
Stddev	.004	4.1	.010	.0039	.0031	.0000	.0018	6.1	.003	.0012
%RSD	.3770	.7687	.4871	.7963	.3179	.0095	.3864	1.308	.3329	.2473
#1	1.056	532.2	2.026	.4952	.9866	.5110	.4774	461.5	1.023	.4804
#2	1.061	538.0	2.040	.4896	.9911	.5109	.4801	470.1	1.028	.4821

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4913	.5121	186.9	-.0550	500.9	.4909	.9595	.1669	.8724	.9008
Stddev	.0028	.0021	.7	.0276	2.0	.0023	.0025	.0002	.0014	.0036
%RSD	.5771	.4016	.3573	50.15	.4033	.4756	.2554	.1380	.1639	.3951
#1	.4893	.5106	186.5	-.0745	499.5	.4892	.9577	.1667	.8714	.8982
#2	.4933	.5135	187.4	-.0355	502.3	.4925	.9612	.1670	.8735	.9033

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.4978	.4792	2.057	2.021	1.782	.9725	1.004	.5084	1.894	.5033
Stddev	.0030	.0032	.008	.001	.006	.0028	.003	.0022	.003	.0012
%RSD	.6013	.6739	.3674	.0693	.3502	.2856	.2771	.4389	.1355	.2291
#1	.4957	.4815	2.052	2.020	1.777	.9705	1.002	.5068	1.892	.5025
#2	.5000	.4769	2.063	2.022	1.786	.9744	1.006	.5100	1.896	.5041

Elem	W_2397	Zn2062	Zr3391
Avg	1.857	.9112	.4457
Stddev	.027	.0018	.0050
%RSD	1.442	.1958	1.122
#1	1.876	.9099	.4422
#2	1.838	.9125	.4493

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2028.3	59865.	10859.
Stddev	3.5	489.	128.
%RSD	.17236	.81602	1.1757
#1	2030.7	60210.	10949.
#2	2025.8	59519.	10768.

Zoom In Zoom Out

Sample Name: MP21551-B1 Acquired: 8/28/2013 12:39:25 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1958	2.079	.5083	-.0007	.0060	1.939	.4955	23.79	.4855	.4898
Stddev	.0001	.006	.0021	.0009	.0000	.004	.0005	.02	.0003	.0012
%RSD	.0675	.3097	.4144	127.8	.3538	.2013	.1066	.0867	.0532	.2478
#1	.1959	2.075	.5068	-.0013	.0060	1.936	.4951	23.78	.4853	.4890
#2	.1957	2.084	.5097	-.0001	.0059	1.941	.4959	23.80	.4857	.4907

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5016	.4639	1.956	24.22	24.09	.4807	.0010	24.11	.4602	.9367
Stddev	.0071	.0003	.003	.02	.01	.0010	.0002	.03	.0007	.0038
%RSD	1.418	.0615	.1587	.0962	.0614	.2014	15.58	.1115	.1606	.4033
#1	.4966	.4641	1.954	24.20	24.08	.4800	.0011	24.09	.4597	.9340
#2	.5066	.4637	1.958	24.23	24.10	.4814	.0009	24.13	.4607	.9394

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0000	.0034	.4830	.4784	.0177	.0050	.4786	.4740	.4822	.4944
Stddev	.0013	.0045	.0033	.0043	.0014	.0004	.0003	.0008	.0046	.0006
%RSD	4842.	133.6	.6754	.9042	7.672	7.853	.0619	.1745	.9546	.1186
#1	-.0009	.0066	.4807	.4753	.0167	.0053	.4788	.4734	.4790	.4948
#2	.0009	.0002	.4854	.4814	.0187	.0048	.4784	.4746	.4855	.4939

Elem	W_2397	Zn2062	Zr3391
Avg	.0072	.4916	.0231
Stddev	.0006	.0010	.0011
%RSD	7.866	.2074	4.746
#1	.0068	.4909	.0239
#2	.0076	.4923	.0223

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2195.0	64427.	11069.
Stddev	.1	57.	4.
%RSD	.00285	.08886	.03912
#1	2194.9	64386.	11072.
#2	2195.0	64467.	11066.

Zoom In Zoom Out

Sample Name: MP21551-MB1 Acquired: 8/28/2013 12:43:37 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0007	.0104	.0010	-.0001	.0040	.0009	.0001	.0376	.0003	.0000
Stddev	.0001	.0055	.0005	.0006	.0003	.0000	.0001	.0027	.0001	.000
%RSD	13.63	53.21	47.01	469.0	7.904	.4740	77.02	7.259	34.21	54.12
#1	.0008	.0065	.0006	-.0005	.0038	.0009	.0000	.0395	.0002	.0000
#2	.0006	.0143	.0013	.0003	.0043	.0009	.0001	.0356	.0003	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	.0000	.0184	-.1018	-.0051	.0012	.0002	.0964	.0001	.0002
Stddev	.000	.0006	.0010	.0282	.0122	.0000	.0000	.0073	.0000	.0009
%RSD	47.01	4050.	5.439	27.66	236.3	1.615	11.28	7.533	70.04	541.9
#1	.0000	-.0004	.0177	-.0819	-.0138	.0012	.0002	.1015	.0001	-.0005
#2	.0000	.0004	.0191	-.1217	.0035	.0013	.0003	.0912	.0000	.0008

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0007	.0010	.0006	-.0006	.0173	.0049	.0002	-.0002	.0007	.0001
Stddev	.0007	.0037	.0000	.0007	.0004	.0000	.0000	.0001	.0011	.0001
%RSD	96.63	359.1	4.849	102.6	2.534	.1838	19.41	71.25	147.4	109.4
#1	.0012	-.0016	.0005	-.0002	.0170	.0049	.0001	-.0001	.0015	.0000
#2	.0002	.0036	.0006	-.0011	.0176	.0049	.0002	-.0003	.0000	.0001

Elem	W_2397	Zn2062	Zr3391
Avg	.0053	.0013	.0011
Stddev	.0019	.0000	.0002
%RSD	36.78	3.517	14.45
#1	.0039	.0013	.0012
#2	.0066	.0014	.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2218.2	64910.	11130.
Stddev	.9	39.	34.
%RSD	.03908	.05965	.30485
#1	2218.8	64937.	11154.
#2	2217.6	64883.	11106.

Zoom In Zoom Out

Sample Name: MP21551-S1 Acquired: 8/28/2013 12:47:58 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1532	139.1	.4455	.0011	.1238	2.048	.3727	312.5	.3750	.4499
Stddev	.0011	.3	.0012	.0023	.0002	.008	.0001	.5	.0009	.0016
%RSD	.7086	.2506	.2695	210.7	.1598	.3894	.0398	.1540	.2494	.3611
#1	.1540	139.3	.4447	-.0005	.1237	2.054	.3728	312.1	.3757	.4511
#2	.1524	138.8	.4464	.0028	.1239	2.043	.3726	312.8	.3744	.4488

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5429	.5918	197.9	44.51	146.0	3.868	.0072	19.27	.5478	.7758
Stddev	.0013	.0001	.1	.13	1.0	.004	.0002	.06	.0007	.0005
%RSD	.2308	.0103	.0632	.2853	.7054	.0929	2.098	.3358	.1288	.0625
#1	.5420	.5918	198.0	44.60	146.7	3.865	.0071	19.31	.5483	.7762
#2	.5438	.5917	197.8	44.42	145.3	3.871	.0073	19.22	.5473	.7755

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0119	.0044	.1456	.3484	3.420	.0043	.7444	1.394	.3417	.5831
Stddev	.0007	.0040	.0004	.0017	.010	.0003	.0003	.004	.0001	.0017
%RSD	5.571	91.40	.2824	.4939	.2994	6.977	.0455	.2847	.0424	.2835
#1	-.0123	.0073	.1453	.3472	3.427	.0041	.7447	1.397	.3418	.5842
#2	-.0114	.0016	.1459	.3496	3.413	.0045	.7442	1.392	.3416	.5819

Elem	W_2397	Zn2062	Zr3391
Avg	-.0142	.7851	.0625
Stddev	.0050	.0014	.0009
%RSD	35.30	.1793	1.416
#1	-.0177	.7861	.0619
#2	-.0107	.7841	.0631

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2723.7	80450.	14168.
Stddev	12.3	240.	85.
%RSD	.45280	.29824	.59948
#1	2715.0	80619.	14108.
#2	2732.4	80280.	14228.

Zoom In Zoom Out

Sample Name: MP21551-S2 Acquired: 8/28/2013 12:52:24 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1526	142.0	.4459	.0014	.1298	2.058	.3741	343.8	.3763	.4453
Stddev	.0002	.3	.0009	.0021	.0006	.004	.0003	2.4	.0001	.0003
%RSD	.1382	.1912	.1937	151.2	.4864	.2146	.0745	.6949	.0314	.0676
#1	.1527	141.8	.4453	.0029	.1294	2.055	.3743	345.5	.3762	.4455
#2	.1524	142.2	.4465	-.0001	.1302	2.061	.3739	342.1	.3764	.4451

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5585	.5810	193.9	45.67	155.4	3.985	.0070	19.40	.5469	.7771
Stddev	.0030	.0007	1.8	.09	.3	.049	.0001	.05	.0008	.0001
%RSD	.5429	.1260	.9252	.2030	.2030	1.230	1.123	.2413	.1530	.0192
#1	.5563	.5815	192.7	45.61	155.2	3.950	.0071	19.37	.5475	.7772
#2	.5606	.5804	195.2	45.74	155.6	4.020	.0070	19.43	.5463	.7770

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0161	.0080	.1377	.3451	2.918	.0039	.7616	1.388	.3424	.5871
Stddev	.0009	.0001	.0005	.0004	.005	.0004	.0002	.000	.0011	.0023
%RSD	5.877	1.101	.3700	.1187	.1840	9.920	.0309	.0295	.3203	.4002
#1	-.0155	.0080	.1374	.3448	2.922	.0042	.7614	1.388	.3432	.5855
#2	-.0168	.0081	.1381	.3454	2.915	.0036	.7618	1.388	.3416	.5888

Elem	W_2397	Zn2062	Zr3391
Avg	-.0042	.7849	.0661
Stddev	.0012	.0011	.0002
%RSD	28.32	.1351	.2665
#1	-.0050	.7857	.0659
#2	-.0033	.7842	.0662

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2747.0	81867.	14523.
Stddev	1.3	370.	45.
%RSD	.04690	.45256	.31295
#1	2746.1	82129.	14490.
#2	2747.9	81605.	14555.

Zoom In Zoom Out

Sample Name: MC23744-28 Acquired: 8/28/2013 12:56:52 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	135.3	.0633	.0034	.1245	.6201	.0067	549.7	.0021	.0894
Stddev	.0004	.2	.0005	.0023	.0006	.0007	.0000	.5	.0001	.0004
%RSD	58.93	.1529	.7179	66.48	.5192	.1163	.6028	.0876	4.944	.4879
#1	-.0008	135.1	.0637	.0018	.1241	.6207	.0068	549.3	.0020	.0890
#2	-.0003	135.4	.0630	.0050	.1250	.6196	.0067	550.0	.0022	.0897

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1782	.2127	191.2	27.91	155.0	3.880	.0065	.7956	.2095	.0974
Stddev	.0007	.0001	.4	.03	.2	.005	.0000	.0148	.0006	.0011
%RSD	.3727	.0277	.2349	.1036	.1374	.1280	.2487	1.856	.2834	1.166
#1	.1786	.2127	190.9	27.89	154.8	3.876	.0065	.8061	.2091	.0982
#2	.1777	.2128	191.5	27.93	155.1	3.883	.0065	.7852	.2099	.0966

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0281	.0035	-.0011	-.0019	3.670	.0048	.4531	1.244	-.0003	.2289
Stddev	.0019	.0005	.0004	.0006	.001	.0008	.0003	.002	.0002	.0007
%RSD	6.907	13.66	35.15	29.47	.0311	16.92	.0619	.1461	89.00	.2856
#1	-.0295	.0039	-.0008	-.0015	3.669	.0042	.4529	1.245	-.0001	.2284
#2	-.0267	.0032	-.0013	-.0023	3.670	.0054	.4533	1.243	-.0004	.2294

Elem	W_2397	Zn2062	Zr3391
Avg	-.0083	.4192	.0560
Stddev	.0031	.0005	.0001
%RSD	36.74	.1121	.1135
#1	-.0105	.4189	.0560
#2	-.0061	.4195	.0560

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2652.8	79574.	14012.
Stddev	4.0	279.	147.
%RSD	.14926	.35030	1.0459
#1	2650.0	79377.	14116.
#2	2655.6	79771.	13909.

Zoom In Zoom Out

Sample Name: MP21551-SD1 Acquired: 8/28/2013 13:01:16 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	167.6	.0896	.0037	.1583	.7763	.0081	725.7	.0036	.1142
Stddev	.0001	.9	.0032	.0034	.0018	.0045	.0003	1.8	.0004	.0007
%RSD	11.76	.5229	3.565	91.64	1.131	.5766	3.420	.2524	10.95	.5985
#1	-.0007	167.0	.0873	.0062	.1596	.7731	.0079	724.4	.0033	.1147
#2	-.0006	168.2	.0919	.0013	.1571	.7795	.0083	726.9	.0038	.1137

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2329	.2635	254.0	34.14	197.5	5.087	.0086	1.083	.2765	.1264
Stddev	.0010	.0004	.7	.29	1.7	.008	.0014	.010	.0012	.0002
%RSD	.4099	.1573	.2920	.8396	.8423	.1593	16.26	.9481	.4440	.1405
#1	.2322	.2632	253.5	33.94	196.3	5.093	.0076	1.090	.2756	.1263
#2	.2336	.2638	254.5	34.35	198.6	5.081	.0096	1.075	.2773	.1265

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0428	.0246	.0018	.0029	4.609	.0032	.5739	1.613	.0011	.2911
Stddev	.0050	.0102	.0038	.0052	.006	.0001	.0014	.053	.0001	.0024
%RSD	11.57	41.47	213.2	178.0	.1285	3.407	.2357	3.273	7.480	.8273
#1	-.0463	.0174	.0045	-.0008	4.604	.0031	.5729	1.650	.0012	.2928
#2	-.0393	.0318	-.0009	.0066	4.613	.0032	.5749	1.575	.0011	.2894

Elem	W_2397	Zn2062	Zr3391
Avg	-.0063	.5712	.0703
Stddev	.0180	.0019	.0017
%RSD	287.6	.3341	2.401
#1	.0065	.5698	.0715
#2	-.0190	.5725	.0691

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2305.6	67761.	11684.
Stddev	5.7	224.	92.
%RSD	.24762	.33032	.78831
#1	2309.6	67603.	11619.
#2	2301.6	67919.	11749.

Zoom In Zoom Out

Sample Name: MP21551-LC1 Acquired: 8/28/2013 13:05:31 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.3342	87.58	.9057	.0017	.9188	1.664	.5262	58.94	.5795	.9703
Stddev	.0040	.07	.0035	.0000	.0005	.004	.0003	.02	.0004	.0001
%RSD	1.202	.0745	.3899	2.621	.0546	.2471	.0482	.0278	.0607	.0133
#1	.3371	87.53	.9082	.0017	.9185	1.662	.5263	58.93	.5797	.9702
#2	.3314	87.63	.9032	.0017	.9192	1.667	.5260	58.95	.5792	.9704

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6927	.7362	120.2	37.85	30.22	2.878	.3747	6.256	.5201	.8394
Stddev	.0065	.0051	.0	.03	.05	.058	.0005	.002	.0000	.0003
%RSD	.9377	.6987	.0182	.0856	.1689	2.017	.1253	.0376	.0073	.0346
#1	.6973	.7398	120.2	37.88	30.25	2.919	.3751	6.258	.5200	.8396
#2	.6881	.7326	120.2	37.83	30.18	2.837	.3744	6.254	.5201	.8392

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0037	.0104	.6835	1.546	2.775	.9578	.6708	2.149	1.154	.5521
Stddev	.0034	.0022	.0013	.004	.007	.0005	.0004	.014	.002	.0049
%RSD	91.29	21.63	.1867	.2735	.2502	.0535	.0658	.6689	.1734	.8821
#1	.0013	.0088	.6844	1.549	2.780	.9574	.6705	2.159	1.153	.5556
#2	.0060	.0120	.6826	1.543	2.770	.9582	.6711	2.139	1.156	.5487

Elem	W_2397	Zn2062	Zr3391
Avg	-.0138	1.403	.0640
Stddev	.0099	.000	.0001
%RSD	71.92	.0038	.1726
#1	-.0208	1.403	.0639
#2	-.0068	1.403	.0641

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2382.9	69315.	11947.
Stddev	3.2	594.	74.
%RSD	.13298	.85735	.62138
#1	2385.2	68895.	11895.
#2	2380.7	69735.	12000.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/28/2013 13:09:47 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2508	9.936	1.959	-.0020	1.936	1.969	2.011	10.02	1.973	2.050
Stddev	.0000	.062	.000	.0002	.003	.006	.006	.00	.001	.001
%RSD	.0179	.6285	.0005	8.664	.1306	.2860	.2877	.0135	.0632	.0503
#1	.2508	9.891	1.959	-.0022	1.935	1.965	2.007	10.02	1.974	2.051
#2	.2508	9.980	1.959	-.0019	1.938	1.973	2.015	10.02	1.972	2.049

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.996	1.986	9.940	9.916	9.883	1.982	1.960	9.890	1.930	1.927
Stddev	.004	.001	.010	.034	.024	.000	.001	.024	.001	.002
%RSD	.2108	.0258	.0992	.3387	.2423	.0138	.0539	.2427	.0549	.1251
#1	1.999	1.986	9.947	9.892	9.900	1.981	1.959	9.873	1.931	1.928
#2	1.993	1.985	9.933	9.939	9.866	1.982	1.960	9.907	1.929	1.925

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0016	.0064	1.956	1.958	.0840	1.959	2.021	1.985	1.969	2.003
Stddev	.0028	.0074	.001	.001	.0011	.004	.008	.002	.001	.003
%RSD	172.1	114.6	.0605	.0606	1.267	.2212	.3935	.0934	.0355	.1452
#1	.0036	.0116	1.955	1.959	.0848	1.962	2.016	1.987	1.970	2.000
#2	-.0004	.0012	1.957	1.957	.0833	1.956	2.027	1.984	1.969	2.005

Elem	W_2397	Zn2062	Zr3391
Avg	-.0055	1.955	.0011
Stddev	.0048	.003	.0007
%RSD	87.12	.1491	60.88
#1	-.0021	1.958	.0016
#2	-.0088	1.953	.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2224.9	64312.	11087.
Stddev	8.1	31.	143.
%RSD	.36224	.04856	1.2870
#1	2219.2	64290.	10986.
#2	2230.5	64334.	11188.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/28/2013 13:13:58 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	.0022	.0008	.0004	.0014	.0005	.0000	.0052	.0004	.0004
Stddev	.0000	.0016	.0004	.0006	.0000	.0000	.0000	.0014	.0002	.0001
%RSD	4.632	73.75	43.16	151.1	2.767	8.366	59.40	26.20	64.89	36.12
#1	-.0004	.0010	.0006	.0008	.0013	.0004	.0000	.0062	.0002	.0003
#2	-.0003	.0033	.0011	.0000	.0014	.0005	.0001	.0042	.0005	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	-.0002	.0022	-.1360	.0036	.0001	.0013	.0118	.0003	.0006
Stddev	.0001	.0002	.0016	.0372	.0118	.0001	.0000	.0017	.0002	.0004
%RSD	47.45	141.7	73.98	27.38	326.2	86.77	3.423	14.28	89.86	62.83
#1	-.0001	.0000	.0033	-.1097	.0120	.0002	.0012	.0106	.0001	.0004
#2	-.0002	-.0003	.0010	-.1623	-.0047	.0000	.0013	.0130	.0004	.0009

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0009	.0049	.0006	.0005	.0062	.0006	.0002	-.0001	.0020	.0003
Stddev	.0002	.0028	.0004	.0003	.0023	.0007	.0000	.0004	.0007	.0008
%RSD	26.15	56.79	78.33	56.88	37.21	120.4	8.645	495.7	34.18	280.2
#1	-.0010	.0068	.0002	.0007	.0046	.0001	.0002	-.0004	.0025	.0008
#2	-.0007	.0029	.0009	.0003	.0078	.0010	.0002	.0002	.0015	-.0003

Elem	W_2397	Zn2062	Zr3391
Avg	-.0031	.0001	-.0001
Stddev	.0016	.0003	.0001
%RSD	52.12	228.6	154.1
#1	-.0043	-.0001	.0000
#2	-.0020	.0003	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2226.3	64318.	11003.
Stddev	2.5	251.	1.
%RSD	.11205	.39035	.00787
#1	2228.0	64496.	11002.
#2	2224.5	64141.	11003.

Zoom In Zoom Out

Sample Name: MC23744-10 Acquired: 8/28/2013 13:18:21 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	192.9	.0673	.0011	.1321	.9318	.0091	47.35	.0014	.1201
Stddev	.0004	.1	.0010	.0008	.0005	.0011	.0000	.00	.0001	.0003
%RSD	68.48	.0451	1.455	73.17	.3676	.1203	.1560	.0062	9.093	.2516
#1	-.0003	193.0	.0680	.0017	.1318	.9326	.0091	47.34	.0013	.1203
#2	-.0008	192.9	.0667	.0005	.1325	.9310	.0091	47.35	.0015	.1199

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2490	.2692	274.8	31.58	82.75	6.802	.0034	.7856	.3001	.1054
Stddev	.0010	.0003	1.9	.03	.06	.049	.0001	.0048	.0002	.0002
%RSD	.3966	.0994	.6778	.0991	.0742	.7151	2.012	.6072	.0637	.2249
#1	.2497	.2694	273.5	31.60	82.80	6.836	.0034	.7823	.2999	.1056
#2	.2483	.2690	276.2	31.55	82.71	6.768	.0033	.7890	.3002	.1052

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0080	.0120	-.0011	-.0013	2.466	.0058	.2376	1.433	-.0013	.2836
Stddev	.0013	.0017	.0001	.0004	.002	.0003	.0005	.002	.0012	.0016
%RSD	16.82	14.34	8.897	34.37	.0616	4.399	.2059	.1189	97.81	.5621
#1	.0070	.0132	-.0010	-.0016	2.465	.0056	.2379	1.434	-.0021	.2848
#2	.0089	.0108	-.0011	-.0010	2.467	.0059	.2372	1.432	-.0004	.2825

Elem	W_2397	Zn2062	Zr3391
Avg	-.0091	.4510	.0760
Stddev	.0022	.0005	.0003
%RSD	24.20	.1172	.3651
#1	-.0107	.4506	.0762
#2	-.0076	.4514	.0758

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2814.2	82113.	14297.
Stddev	3.7	46.	55.
%RSD	.13204	.05596	.38662
#1	2811.6	82081.	14336.
#2	2816.9	82146.	14258.

Zoom In Zoom Out

Sample Name: MC23744-12 Acquired: 8/28/2013 13:22:45 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	133.7	.0610	.0029	.1310	.6403	.0063	403.6	.0022	.1000
Stddev	.0005	.0	.0003	.0007	.0002	.0001	.0000	.8	.0001	.0002
%RSD	424.9	.0117	.5439	22.34	.1756	.0087	.5689	.1902	3.002	.2461
#1	-.0003	133.7	.0608	.0025	.1312	.6403	.0063	403.1	.0023	.1002
#2	.0005	133.7	.0613	.0034	.1309	.6403	.0064	404.1	.0022	.0998

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1830	.2171	190.8	27.52	145.6	5.368	.0106	.8651	.2089	.1095
Stddev	.0032	.0028	.2	.07	.0	.021	.0001	.0129	.0005	.0004
%RSD	1.765	1.305	.1131	.2464	.0285	.3814	.4966	1.494	.2396	.3368
#1	.1807	.2151	190.7	27.57	145.6	5.383	.0105	.8560	.2085	.1098
#2	.1853	.2191	191.0	27.48	145.6	5.354	.0106	.8743	.2092	.1092

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0195	.0146	-.0001	-.0005	3.155	.0060	.5017	1.211	-.0011	.2344
Stddev	.0031	.0010	.0013	.0004	.004	.0006	.0002	.001	.0004	.0050
%RSD	16.12	6.889	1742.	80.30	.1283	10.45	.0408	.0676	42.22	2.129
#1	-.0173	.0139	-.0010	-.0002	3.158	.0064	.5016	1.210	-.0014	.2309
#2	-.0217	.0153	.0009	-.0007	3.152	.0055	.5019	1.211	-.0007	.2380

Elem	W_2397	Zn2062	Zr3391
Avg	-.0086	.4366	.0452
Stddev	.0021	.0004	.0012
%RSD	24.30	.0859	2.636
#1	-.0072	.4369	.0444
#2	-.0101	.4363	.0461

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2428.7	71865.	12767.
Stddev	.8	273.	94.
%RSD	.03196	.38008	.73921
#1	2429.2	71672.	12834.
#2	2428.1	72058.	12700.

Zoom In Zoom Out

Sample Name: MC23744-14 Acquired: 8/28/2013 13:27:09 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	185.7	.0585	.0037	.1542	1.300	.0087	253.9	.0015	.1112
Stddev	.0002	1.2	.0001	.0005	.0002	.007	.0000	7.5	.0001	.0002
%RSD	310.1	.6581	.1511	14.83	.0999	.5539	.5330	2.968	7.903	.1854
#1	.0001	186.6	.0585	.0033	.1543	1.306	.0087	259.3	.0016	.1113
#2	-.0002	184.9	.0584	.0040	.1541	1.295	.0087	248.6	.0015	.1110

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2262	.2539	242.9	34.94	93.13	5.474	.0127	1.529	.3028	.0901
Stddev	.0001	.0001	1.0	.15	.44	.056	.0002	.005	.0003	.0007
%RSD	.0339	.0322	.3924	.4338	.4700	1.028	1.808	.3145	.0843	.7645
#1	.2262	.2538	242.2	35.04	93.44	5.514	.0125	1.525	.3030	.0906
#2	.2261	.2540	243.6	34.83	92.82	5.435	.0128	1.532	.3026	.0896

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0093	.0125	-.0003	-.0017	3.367	.0056	.4937	1.018	.0010	.2852
Stddev	.0006	.0022	.0002	.0011	.006	.0002	.0029	.002	.0001	.0031
%RSD	6.828	17.48	95.00	66.07	.1659	3.948	.5913	.1638	14.52	1.076
#1	-.0088	.0141	-.0001	-.0009	3.371	.0058	.4958	1.019	.0010	.2831
#2	-.0097	.0110	-.0004	-.0025	3.364	.0055	.4916	1.017	.0009	.2874

Elem	W_2397	Zn2062	Zr3391
Avg	-.0103	.4106	.0867
Stddev	.0049	.0002	.0020
%RSD	47.44	.0489	2.317
#1	-.0068	.4105	.0853
#2	-.0137	.4107	.0881

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2500.5	74249.	12923.
Stddev	.7	119.	125.
%RSD	.02878	.15968	.96507
#1	2500.0	74165.	12835.
#2	2501.0	74333.	13011.

Zoom In Zoom Out

Sample Name: MC23744-16 Acquired: 8/28/2013 13:31:39 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0003	92.31	.0484	.0017	.0695	.5062	.0047	F623.9	.0018
Stddev	.0001	.01	.0005	.0004	.0003	.0005	.0001	5.9	.0000
%RSD	59.49	.0069	.9954	23.21	.4292	.1041	1.687	.9486	1.519
#1	.0004	92.31	.0488	.0014	.0692	.5066	.0047	619.7	.0018
#2	.0001	92.32	.0481	.0020	.0697	.5059	.0048	628.1	.0018

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0848	.1254	.1731	149.9	13.55	72.93	5.651	.0074	.7097
Stddev	.0002	.0013	.0004	.0	.03	.00	.014	.0001	.0212
%RSD	.2147	1.008	.2541	.0321	.2374	.0030	.2455	1.118	2.989
#1	.0849	.1245	.1734	149.9	13.53	72.93	5.641	.0074	.6947
#2	.0847	.1263	.1728	149.8	13.57	72.92	5.661	.0073	.7247

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.1562	.0741	-.0314	.0225	-.0010	.0002	3.080	.0043	.6625
Stddev	.0003	.0013	.0012	.0026	.0000	.0002	.002	.0001	.0004
%RSD	.1835	1.784	3.768	11.74	3.145	101.0	.0736	1.525	.0615
#1	.1564	.0732	-.0322	.0206	-.0010	.0003	3.082	.0043	.6628
#2	.1560	.0751	-.0306	.0244	-.0011	.0000	3.079	.0042	.6622

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.022	-.0014	.1707	-.0058	.3188	.0310
Stddev	.001	.0009	.0002	.0029	.0001	.0007
%RSD	.1213	65.68	.1354	49.07	.0337	2.419
#1	1.021	-.0007	.1705	-.0078	.3188	.0315
#2	1.023	-.0020	.1709	-.0038	.3189	.0304

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2331.6	69014.	12186.
Stddev	3.8	15.	88.
%RSD	.16364	.02132	.72357
#1	2334.3	69024.	12248.
#2	2328.9	69003.	12124.

Zoom In Zoom Out

Sample Name: MC23744-18 Acquired: 8/28/2013 13:36:04 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	111.1	.0509	.0017	.0632	.7609	.0059	94.00	.0029	.0918
Stddev	.0006	.5	.0009	.0016	.0000	.0035	.0000	.31	.0001	.0004
%RSD	735.8	.4581	1.830	95.72	.0461	.4649	.0405	.3347	3.587	.4340
#1	-.0004	110.7	.0515	.0028	.0632	.7584	.0059	93.78	.0028	.0920
#2	.0005	111.4	.0502	.0005	.0632	.7634	.0059	94.22	.0029	.0915

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1525	.1961	180.0	15.52	54.72	5.225	.0159	.4939	.2077	.1201
Stddev	.0008	.0001	.8	.11	.40	.098	.0001	.0061	.0009	.0003
%RSD	.5332	.0426	.4260	.7070	.7376	1.876	.6688	1.232	.4545	.2692
#1	.1531	.1962	179.4	15.45	54.43	5.295	.0159	.4896	.2084	.1203
#2	.1520	.1961	180.5	15.60	55.00	5.156	.0160	.4982	.2071	.1199

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0030	.0150	.0005	.0028	2.387	.0058	.2078	.9239	-.0005	.2023
Stddev	.0030	.0050	.0004	.0017	.011	.0000	.0008	.0067	.0001	.0017
%RSD	103.0	33.00	66.84	62.56	.4437	.7202	.3758	.7207	29.74	.8255
#1	.0008	.0115	.0008	.0015	2.394	.0059	.2072	.9287	-.0005	.2035
#2	.0051	.0185	.0003	.0040	2.379	.0058	.2083	.9192	-.0004	.2011

Elem	W_2397	Zn2062	Zr3391
Avg	-.0107	.4573	.0340
Stddev	.0016	.0014	.0009
%RSD	14.54	.3009	2.639
#1	-.0118	.4583	.0346
#2	-.0096	.4563	.0334

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2498.1	72789.	12602.
Stddev	10.4	841.	11.
%RSD	.41523	1.1558	.08641
#1	2490.7	72194.	12609.
#2	2505.4	73383.	12594.

Zoom In Zoom Out

Sample Name: MC23744-20 Acquired: 8/28/2013 13:40:24 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	119.2	.0548	.0006	.0895	.5348	.0059	187.2	.0024	.1073
Stddev	.0004	.2	.0019	.0006	.0006	.0018	.0001	.3	.0001	.0009
%RSD	239.2	.1862	3.511	88.33	.6864	.3286	1.897	.1712	6.193	.8738
#1	-.0004	119.0	.0562	.0002	.0890	.5336	.0060	187.0	.0025	.1066
#2	.0001	119.3	.0534	.0010	.0899	.5361	.0058	187.5	.0023	.1080

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1646	.2425	176.7	19.54	113.0	5.500	.0106	.5334	.2051	.1183
Stddev	.0022	.0022	.3	.06	.2	.020	.0000	.0095	.0002	.0001
%RSD	1.333	.9173	.1968	.3313	.1440	.3568	.1103	1.790	.1042	.1232
#1	.1631	.2409	176.4	19.49	112.8	5.514	.0106	.5401	.2053	.1182
#2	.1662	.2441	176.9	19.58	113.1	5.486	.0106	.5266	.2050	.1184

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0043	.0139	.0000	.0023	2.746	.0067	.2472	1.224	-.0008	.2221
Stddev	.0011	.0041	.000	.0005	.002	.0004	.0005	.004	.0018	.0057
%RSD	25.31	29.50	717.0	23.81	.0701	5.337	.2069	.3081	225.4	2.556
#1	-.0050	.0168	-.0002	.0027	2.745	.0069	.2468	1.227	-.0021	.2181
#2	-.0035	.0110	.0001	.0019	2.748	.0064	.2475	1.221	.0005	.2261

Elem	W_2397	Zn2062	Zr3391
Avg	-.0088	.4361	.0346
Stddev	.0081	.0002	.0013
%RSD	91.59	.0364	3.619
#1	-.0031	.4363	.0337
#2	-.0146	.4360	.0354

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2529.2	74076.	13031.
Stddev	1.7	77.	37.
%RSD	.06771	.10350	.28212
#1	2530.4	74022.	13005.
#2	2528.0	74130.	13057.

Zoom In Zoom Out

Sample Name: MC23744-22 Acquired: 8/28/2013 13:44:43 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	130.1	.0622	.0035	.0869	.5830	.0068	176.5	.0022	.0927
Stddev	.0005	.3	.0019	.0004	.0012	.0022	.0000	1.7	.0001	.0003
%RSD	69.56	.1993	3.082	12.68	1.424	.3710	.1305	.9416	5.538	.3443
#1	-.0004	129.9	.0636	.0038	.0878	.5815	.0068	175.4	.0023	.0930
#2	-.0011	130.3	.0609	.0032	.0860	.5845	.0068	177.7	.0021	.0925

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1835	.2994	192.1	19.94	87.14	3.016	.0480	.6047	.2492	.1141
Stddev	.0037	.0005	.5	.06	.48	.003	.0003	.0147	.0004	.0004
%RSD	2.011	.1761	.2611	.3033	.5525	.1119	.5377	2.435	.1441	.3602
#1	.1809	.2990	191.7	19.90	86.80	3.014	.0482	.5943	.2495	.1144
#2	.1861	.2997	192.4	19.99	87.49	3.019	.0478	.6151	.2490	.1138

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0035	.0041	.0000	.0024	2.594	.0048	.2843	1.063	.0005	.2516
Stddev	.0014	.0056	.0005	.0014	.004	.0007	.0005	.001	.0009	.0059
%RSD	38.38	138.0	976.8	60.79	.1472	14.24	.1619	.0694	206.8	2.327
#1	-.0026	.0081	.0004	.0034	2.597	.0053	.2840	1.063	-.0002	.2475
#2	-.0045	.0001	-.0003	.0014	2.591	.0043	.2846	1.064	.0011	.2558

Elem	W_2397	Zn2062	Zr3391
Avg	-.0100	.5222	.0310
Stddev	.0019	.0003	.0007
%RSD	18.69	.0635	2.372
#1	-.0087	.5224	.0305
#2	-.0114	.5219	.0315

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2585.1	76177.	13242.
Stddev	.8	177.	118.
%RSD	.03148	.23275	.88933
#1	2584.5	76303.	13325.
#2	2585.7	76052.	13159.

Zoom In Zoom Out

Sample Name: MC23744-24 Acquired: 8/28/2013 13:49:08 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	129.5	.0541	.0021	.0665	.6365	.0064	88.12	.0025	.0986
Stddev	.0004	.2	.0005	.0003	.0008	.0020	.0002	.21	.0000	.0011
%RSD	150.0	.1722	.8977	14.96	1.255	.3066	2.912	.2377	1.763	1.107
#1	.0000	129.6	.0545	.0019	.0659	.6379	.0065	88.27	.0025	.0978
#2	-.0005	129.3	.0538	.0023	.0671	.6351	.0062	87.97	.0026	.0993

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1698	.2318	187.3	15.89	75.51	6.688	.0153	.5578	.2067	.1174
Stddev	.0015	.0028	.6	.01	.19	.044	.0000	.0020	.0004	.0015
%RSD	.9056	1.221	.3426	.0374	.2523	.6622	.0153	.3555	.2045	1.266
#1	.1687	.2298	187.8	15.90	75.64	6.719	.0153	.5592	.2064	.1163
#2	.1708	.2338	186.9	15.89	75.37	6.657	.0153	.5564	.2070	.1184

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0023	.0212	-.0011	.0021	3.540	.0082	.1471	1.235	.0000	.2284
Stddev	.0031	.0044	.0001	.0011	.004	.0002	.0005	.003	.000	.0026
%RSD	135.5	20.99	13.06	49.57	.1208	2.913	.3277	.2715	1256.	1.127
#1	.0044	.0181	-.0012	.0029	3.537	.0084	.1475	1.237	-.0001	.2266
#2	.0001	.0243	-.0010	.0014	3.543	.0081	.1468	1.233	.0001	.2303

Elem	W_2397	Zn2062	Zr3391
Avg	-.0124	.4682	.0217
Stddev	.0014	.0011	.0002
%RSD	11.04	.2453	1.000
#1	-.0134	.4674	.0215
#2	-.0114	.4690	.0218

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2565.0	74566.	12924.
Stddev	4.0	331.	27.
%RSD	.15690	.44362	.21251
#1	2567.8	74332.	12904.
#2	2562.1	74800.	12943.

Zoom In Zoom Out

Sample Name: MC23744-26 Acquired: 8/28/2013 13:53:27 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	110.8	.0396	.0011	.0459	.5879	.0045	24.38	.0024	.0811
Stddev	.0007	1.9	.0010	.0007	.0001	.0098	.0000	.38	.0000	.0000
%RSD	238.5	1.708	2.591	64.99	.3040	1.667	.5251	1.546	1.984	.0059
#1	.0002	109.5	.0404	.0017	.0458	.5810	.0045	24.12	.0024	.0811
#2	-.0008	112.2	.0389	.0006	.0460	.5948	.0045	24.65	.0024	.0811

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1257	.1366	143.1	9.655	28.00	4.544	.0155	.3887	.1591	.1070
Stddev	.0015	.0027	2.4	.016	.14	.004	.0002	.0053	.0003	.0001
%RSD	1.192	2.012	1.697	.1686	.5116	.0865	1.357	1.370	.1599	.1200
#1	.1246	.1346	141.4	9.643	27.90	4.541	.0154	.3924	.1589	.1069
#2	.1267	.1385	144.8	9.666	28.10	4.547	.0157	.3849	.1593	.1071

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0064	.0102	-.0008	.0036	3.337	.0050	.1918	1.307	-.0001	.1960
Stddev	.0019	.0040	.0011	.0002	.002	.0003	.0030	.004	.0006	.0051
%RSD	29.58	39.52	132.0	4.257	.0585	5.592	1.572	.3230	397.6	2.588
#1	.0078	.0073	-.0016	.0037	3.335	.0052	.1897	1.310	-.0006	.1924
#2	.0051	.0130	-.0001	.0035	3.338	.0048	.1940	1.304	.0003	.1996

Elem	W_2397	Zn2062	Zr3391
Avg	-.0076	.3908	.0186
Stddev	.0061	.0005	.0004
%RSD	80.27	.1216	2.018
#1	-.0119	.3905	.0183
#2	-.0033	.3911	.0189

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2391.8	68887.	12112.
Stddev	2.4	144.	203.
%RSD	.10186	.20906	1.6793
#1	2393.5	68786.	12256.
#2	2390.1	68989.	11968.

Zoom In Zoom Out

Sample Name: MC23744-30 Acquired: 8/28/2013 13:57:46 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	126.8	.0513	.0012	.1095	.6433	.0062	253.6	.0024	.0885
Stddev	.0000	.1	.0007	.0008	.0002	.0015	.0001	3.2	.0001	.0006
%RSD	17.57	.0587	1.449	64.27	.1682	.2321	1.061	1.277	5.131	.6236
#1	.0000	126.8	.0518	.0018	.1097	.6444	.0062	251.3	.0023	.0881
#2	.0000	126.7	.0508	.0007	.1094	.6423	.0063	255.9	.0025	.0889

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1845	.2308	164.2	23.43	111.2	3.580	.0096	.7159	.2057	.1065
Stddev	.0029	.0020	.2	.05	.4	.048	.0001	.0077	.0002	.0004
%RSD	1.592	.8747	.1162	.2243	.3989	1.340	1.440	1.081	.0735	.3752
#1	.1866	.2322	164.4	23.39	111.5	3.614	.0095	.7213	.2058	.1062
#2	.1824	.2294	164.1	23.47	110.9	3.546	.0097	.7104	.2056	.1067

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0113	.0106	-.0002	.0021	3.669	.0057	.3493	1.261	-.0009	.2261
Stddev	.0012	.0082	.0007	.0009	.003	.0004	.0005	.009	.0010	.0038
%RSD	10.71	76.92	324.5	45.74	.0702	6.696	.1419	.7188	118.1	1.685
#1	-.0122	.0048	.0003	.0027	3.667	.0054	.3496	1.267	-.0001	.2287
#2	-.0105	.0164	-.0007	.0014	3.671	.0060	.3489	1.255	-.0016	.2234

Elem	W_2397	Zn2062	Zr3391
Avg	-.0107	.4386	.0336
Stddev	.0025	.0001	.0006
%RSD	23.39	.0145	1.894
#1	-.0125	.4386	.0341
#2	-.0090	.4385	.0332

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2486.7	73109.	12931.
Stddev	1.0	776.	.
%RSD	.03851	1.0610	.00055
#1	2487.4	72561.	12931.
#2	2486.1	73658.	12931.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/28/2013 14:02:11 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2540	9.950	1.953	-.0022	1.922	1.970	2.018	10.03	1.969	2.042
Stddev	.0006	.007	.004	.0006	.005	.003	.001	.01	.004	.004
%RSD	.2391	.0667	.1800	27.92	.2692	.1696	.0684	.1218	.2186	.1883
#1	.2544	9.945	1.956	-.0026	1.925	1.968	2.017	10.02	1.973	2.045
#2	.2536	9.954	1.951	-.0017	1.918	1.973	2.019	10.03	1.966	2.039

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.004	2.002	9.903	9.876	9.898	1.982	1.953	9.844	1.917	1.914
Stddev	.002	.005	.006	.068	.121	.005	.003	.036	.005	.005
%RSD	.1118	.2623	.0573	.6834	1.222	.2560	.1261	.3653	.2422	.2510
#1	2.005	2.005	9.899	9.829	9.983	1.986	1.954	9.818	1.920	1.917
#2	2.002	1.998	9.907	9.924	9.812	1.979	1.951	9.869	1.913	1.910

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0021	.0037	1.948	1.947	.0818	1.944	2.028	1.995	1.964	2.017
Stddev	.0005	.0019	.003	.004	.0024	.004	.005	.004	.001	.006
%RSD	22.98	50.72	.1616	.1987	2.952	.1778	.2731	.1777	.0279	.2996
#1	.0017	.0051	1.950	1.950	.0835	1.947	2.024	1.998	1.964	2.022
#2	.0024	.0024	1.946	1.944	.0801	1.942	2.032	1.993	1.964	2.013

Elem	W_2397	Zn2062	Zr3391
Avg	-.0119	1.946	-.0023
Stddev	.0043	.006	.0003
%RSD	36.12	.2858	11.22
#1	-.0149	1.950	-.0021
#2	-.0088	1.942	-.0025

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2220.8	64030.	10924.
Stddev	2.8	119.	56.
%RSD	.12744	.18539	.51202
#1	2218.8	63946.	10963.
#2	2222.8	64114.	10884.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/28/2013 14:06:23 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	-.0070	.0012	-.0010	.0012	.0002	.0000	.0073	.0000	-.0001
Stddev	.0002	.0096	.0012	.0009	.0000	.0001	.0002	.0023	.0001	.0001
%RSD	53.81	136.3	102.1	92.25	.0085	78.99	529.3	31.70	174.0	203.7
#1	.0003	-.0003	.0020	-.0003	.0012	.0003	.0002	.0057	.0001	.0000
#2	.0006	-.0138	.0003	-.0016	.0012	.0001	-.0001	.0090	.0000	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	-.0006	.0032	-.1194	-.0067	.0000	.0011	.0024	.0001	.0002
Stddev	.0000	.0003	.0012	.0023	.0144	.0001	.0003	.0032	.0001	.0005
%RSD	39.12	51.87	38.96	1.960	215.4	132.3	23.68	136.1	57.04	290.7
#1	-.0001	-.0004	.0041	-.1210	.0035	.0000	.0013	.0001	.0002	-.0002
#2	-.0002	-.0009	.0023	-.1177	-.0169	.0001	.0009	.0047	.0001	.0005

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0002	.0024	.0001	.0002	.0051	.0001	.0001	-.0001	.0014	.0000
Stddev	.0017	.0020	.0003	.0008	.0011	.0004	.0000	.0004	.0004	.000
%RSD	688.4	81.97	179.5	454.3	20.86	469.7	30.30	331.3	27.41	1250.
#1	-.0010	.0038	.0000	-.0004	.0044	-.0002	.0002	.0001	.0017	-.0003
#2	.0014	.0010	.0003	.0007	.0059	.0004	.0001	-.0004	.0011	.0003

Elem	W_2397	Zn2062	Zr3391
Avg	.0015	.0000	.0001
Stddev	.0036	.000	.0001
%RSD	235.2	53.43	61.54
#1	-.0010	.0000	.0002
#2	.0041	.0000	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2233.6	64731.	10938.
Stddev	4.3	446.	112.
%RSD	.19150	.68903	1.0252
#1	2236.6	64415.	10859.
#2	2230.6	65046.	11017.

Zoom In Zoom Out

Sample Name: MC23744-32 Acquired: 8/28/2013 14:10:45 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0008	190.1	.0630	.0025	.1201	1.254	.0090	23.60	.0024	.1212
Stddev	.0000	.2	.0008	.0004	.0002	.004	.0001	.07	.0001	.0004
%RSD	4.053	.1055	1.258	14.33	.1300	.3146	1.451	.3167	3.226	.3019
#1	-.0008	190.0	.0635	.0023	.1200	1.251	.0089	23.54	.0024	.1209
#2	-.0008	190.3	.0624	.0028	.1202	1.257	.0091	23.65	.0023	.1215

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2363	.2812	272.7	31.45	69.01	8.128	.0070	.5489	.2714	.1014
Stddev	.0023	.0010	1.6	.14	.17	.067	.0001	.0090	.0005	.0011
%RSD	.9834	.3498	.5957	.4523	.2401	.8298	.8140	1.640	.1954	1.133
#1	.2347	.2805	273.8	31.35	68.89	8.080	.0070	.5426	.2711	.1005
#2	.2380	.2819	271.5	31.55	69.13	8.176	.0070	.5553	.2718	.1022

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0118	.0214	.0004	.0009	3.293	.0056	.1151	1.493	-.0018	.2866
Stddev	.0020	.0009	.0008	.0008	.006	.0001	.0000	.009	.0010	.0053
%RSD	17.22	4.168	182.8	87.09	.1698	2.481	.0198	.6106	54.46	1.859
#1	.0133	.0221	-.0001	.0004	3.289	.0055	.1151	1.486	-.0011	.2828
#2	.0104	.0208	.0010	.0015	3.297	.0057	.1151	1.499	-.0024	.2904

Elem	W_2397	Zn2062	Zr3391
Avg	-.0133	.4372	.0900
Stddev	.0051	.0009	.0042
%RSD	38.54	.2153	4.670
#1	-.0169	.4366	.0870
#2	-.0097	.4379	.0929

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2626.1	76264.	13051.
Stddev	3.3	474.	72.
%RSD	.12679	.62162	.54953
#1	2628.5	76599.	13101.
#2	2623.8	75928.	13000.

Zoom In Zoom Out

Sample Name: MC23744-4 Acquired: 8/28/2013 14:15:09 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	104.5	.0522	.0024	.0805	.5418	.0054	497.9	.0022	.0926
Stddev	.0001	.4	.0010	.0012	.0001	.0010	.0000	3.3	.0000	.0003
%RSD	51.00	.4009	1.845	48.00	.1305	.1928	.0067	.6665	.1806	.3280
#1	-.0003	104.2	.0516	.0032	.0806	.5411	.0054	495.5	.0022	.0924
#2	-.0001	104.8	.0529	.0016	.0804	.5426	.0054	500.2	.0022	.0929

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1414	.2001	151.4	15.52	72.36	3.984	.0182	.8052	.1911	.1197
Stddev	.0002	.0004	.7	.10	.23	.002	.0000	.0017	.0001	.0009
%RSD	.1349	.1957	.4506	.6239	.3138	.0419	.0300	.2169	.0618	.7166
#1	.1413	.2003	151.0	15.45	72.20	3.983	.0182	.8039	.1912	.1203
#2	.1415	.1998	151.9	15.58	72.52	3.985	.0182	.8064	.1910	.1191

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0273	.0072	.0004	.0004	3.473	.0061	.5548	.9284	.0007	.2086
Stddev	.0014	.0027	.0010	.0011	.005	.0006	.0015	.0014	.0011	.0018
%RSD	5.222	36.98	229.9	252.4	.1364	9.217	.2785	.1509	166.2	.8738
#1	-.0263	.0091	.0011	-.0003	3.476	.0065	.5537	.9274	.0015	.2073
#2	-.0283	.0053	-.0003	.0012	3.470	.0057	.5559	.9294	-.0001	.2099

Elem	W_2397	Zn2062	Zr3391
Avg	-.0072	.4009	.0273
Stddev	.0005	.0001	.0002
%RSD	6.822	.0334	.8531
#1	-.0076	.4009	.0274
#2	-.0069	.4008	.0271

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2430.3	71541.	12704.
Stddev	1.7	95.	98.
%RSD	.06994	.13317	.77112
#1	2431.5	71474.	12773.
#2	2429.1	71609.	12634.

Zoom In Zoom Out

Sample Name: MC23744-6 Acquired: 8/28/2013 14:19:35 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	103.4	.0545	.0045	.0929	.4607	.0052	522.3	.0019	.0862
Stddev	.0002	.1	.0003	.0010	.0001	.0001	.0001	.7	.0000	.0001
%RSD	21.18	.0913	.5318	23.08	.1337	.0164	1.748	.1349	1.884	.0733
#1	-.0008	103.5	.0543	.0038	.0928	.4607	.0052	522.8	.0019	.0862
#2	-.0006	103.3	.0547	.0053	.0930	.4608	.0053	521.8	.0019	.0863

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1474	.2412	158.9	18.49	131.9	4.062	.0151	.7349	.2010	.0865
Stddev	.0009	.0017	.1	.01	.3	.002	.0001	.0020	.0000	.0004
%RSD	.5801	.7247	.0483	.0620	.2638	.0449	.7817	.2732	.0175	.4319
#1	.1480	.2424	159.0	18.49	132.1	4.061	.0152	.7335	.2010	.0862
#2	.1468	.2400	158.9	18.48	131.6	4.064	.0150	.7363	.2010	.0867

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0268	.0119	.0000	-.0008	3.423	.0041	.6363	.9147	.0001	.1993
Stddev	.0007	.0007	.000	.0004	.006	.0001	.0005	.0031	.0008	.0029
%RSD	2.682	5.848	722.9	56.39	.1668	2.241	.0838	.3344	953.3	1.457
#1	-.0273	.0114	-.0002	-.0005	3.427	.0042	.6367	.9169	.0007	.2013
#2	-.0262	.0124	.0001	-.0011	3.419	.0041	.6359	.9125	-.0005	.1972

Elem	W_2397	Zn2062	Zr3391
Avg	-.0052	.3580	.0405
Stddev	.0012	.0001	.0010
%RSD	22.38	.0340	2.441
#1	-.0044	.3580	.0412
#2	-.0061	.3581	.0398

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2417.0	71342.	12564.
Stddev	6.3	183.	25.
%RSD	.25981	.25596	.20238
#1	2412.5	71212.	12582.
#2	2421.4	71471.	12546.

Zoom In Zoom Out

Sample Name: MC23744-8 Acquired: 8/28/2013 14:24:01 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	98.06	.0517	.0036	.0802	.4716	.0050	478.8	.0019	.0827
Stddev	.0002	.21	.0008	.0000	.0007	.0009	.0001	1.2	.0002	.0002
%RSD	119.0	.2192	1.520	1.309	.8814	.1933	1.389	.2533	8.384	.2133
#1	.0000	97.91	.0512	.0036	.0797	.4710	.0050	478.0	.0020	.0826
#2	-.0003	98.22	.0523	.0035	.0807	.4723	.0051	479.7	.0018	.0829

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1373	.2641	160.0	15.87	107.1	4.538	.0210	.6560	.2040	.0932
Stddev	.0007	.0003	.1	.03	.3	.018	.0002	.0005	.0000	.0014
%RSD	.4780	.1056	.0719	.2058	.2349	.3955	.8367	.0700	.0125	1.477
#1	.1368	.2639	159.9	15.85	106.9	4.525	.0211	.6556	.2041	.0941
#2	.1378	.2643	160.0	15.89	107.3	4.551	.0208	.6563	.2040	.0922

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0245	.0150	-.0006	.0007	3.794	.0061	.6776	.9083	.0003	.1908
Stddev	.0024	.0045	.0011	.0015	.001	.0000	.0009	.0036	.0001	.0003
%RSD	9.815	29.86	198.9	235.6	.0281	.3441	.1272	.3910	34.08	.1372
#1	-.0262	.0181	-.0014	-.0004	3.795	.0061	.6770	.9058	.0004	.1906
#2	-.0228	.0118	.0002	.0017	3.793	.0061	.6782	.9108	.0002	.1910

Elem	W_2397	Zn2062	Zr3391
Avg	-.0117	.3706	.0347
Stddev	.0036	.0005	.0007
%RSD	30.84	.1220	1.907
#1	-.0092	.3703	.0352
#2	-.0143	.3710	.0343

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2428.0	71847.	12662.
Stddev	3.6	170.	14.
%RSD	.14931	.23604	.10991
#1	2430.5	71967.	12672.
#2	2425.4	71727.	12652.

Zoom In Zoom Out

Sample Name: MC23827-1 Acquired: 8/28/2013 14:28:27 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	65.94	.0174	.0027	.0060	.4056	.0026	24.87	.0007	.0510
Stddev	.0007	.77	.0010	.0001	.0006	.0040	.0000	.30	.0000	.0004
%RSD	150.5	1.165	5.597	5.253	10.30	.9758	1.086	1.192	4.253	.7560
#1	.0000	65.40	.0167	.0028	.0056	.4028	.0027	24.66	.0007	.0507
#2	.0010	66.49	.0181	.0026	.0065	.4084	.0026	25.08	.0007	.0513

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1532	.0922	95.41	9.640	33.84	1.254	.0016	1.282	.1387	.0592
Stddev	.0017	.0010	1.10	.005	.10	.003	.0001	.001	.0010	.0000
%RSD	1.137	1.071	1.154	.0565	.2997	.2331	3.570	.0411	.6947	.0126
#1	.1520	.0915	94.63	9.636	33.76	1.252	.0017	1.281	.1380	.0592
#2	.1545	.0929	96.19	9.644	33.91	1.256	.0016	1.282	.1394	.0592

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0061	.0053	.0000	.0014	2.074	.0184	.1079	3.188	-.0008	.1629
Stddev	.0003	.0017	.0002	.0000	.004	.0002	.0004	.009	.0004	.0019
%RSD	4.911	32.67	342.4	.9915	.2051	1.278	.3663	.2946	54.68	1.158
#1	.0063	.0041	.0002	.0014	2.071	.0183	.1082	3.181	-.0005	.1616
#2	.0059	.0065	-.0001	.0014	2.077	.0186	.1076	3.194	-.0011	.1643

Elem	W_2397	Zn2062	Zr3391
Avg	-.0046	.2834	.0125
Stddev	.0070	.0001	.0002
%RSD	152.4	.0451	1.253
#1	-.0096	.2835	.0124
#2	.0004	.2833	.0126

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2347.9	67628.	11643.
Stddev	4.4	247.	235.
%RSD	.18830	.36546	2.0180
#1	2344.7	67802.	11809.
#2	2351.0	67453.	11477.

Zoom In Zoom Out

Sample Name: MC23827-2 Acquired: 8/28/2013 14:32:42 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0027	81.51	.0217	.0028	.0101	.5007	.0032	20.86	.0006	.0589
Stddev	.0004	.10	.0005	.0006	.0004	.0006	.0001	.04	.0000	.0005
%RSD	14.85	.1270	2.192	22.93	4.133	.1197	2.489	.1682	.3942	.8284
#1	.0030	81.58	.0220	.0032	.0104	.5003	.0032	20.89	.0006	.0586
#2	.0024	81.44	.0213	.0023	.0098	.5012	.0033	20.84	.0006	.0593

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1758	.1139	121.7	13.84	41.42	2.063	.0014	1.182	.1506	.0883
Stddev	.0025	.0013	.1	.26	.75	.003	.0000	.033	.0006	.0009
%RSD	1.419	1.115	.1112	1.878	1.820	.1211	.7050	2.829	.3723	.9912
#1	.1740	.1130	121.8	14.02	41.95	2.064	.0014	1.206	.1510	.0877
#2	.1776	.1148	121.6	13.65	40.89	2.061	.0014	1.159	.1502	.0889

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0076	.0018	-.0006	.0030	2.346	.0366	.1034	4.031	-.0006	.1910
Stddev	.0012	.0067	.0000	.0013	.006	.0005	.0000	.003	.0000	.0049
%RSD	16.11	361.3	3.392	43.41	.2456	1.448	.0112	.0667	1.815	2.553
#1	.0084	.0066	-.0006	.0020	2.342	.0362	.1034	4.032	-.0005	.1876
#2	.0067	-.0029	-.0006	.0039	2.350	.0369	.1034	4.029	-.0006	.1944

Elem	W_2397	Zn2062	Zr3391
Avg	-.0080	.3385	.0158
Stddev	.0013	.0004	.0004
%RSD	16.78	.1225	2.460
#1	-.0089	.3382	.0155
#2	-.0070	.3388	.0160

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2375.7	68333.	11856.
Stddev	6.0	66.	117.
%RSD	.25296	.09680	.98794
#1	2379.9	68380.	11773.
#2	2371.4	68286.	11939.

Zoom In Zoom Out

Sample Name: MC23827-3 Acquired: 8/28/2013 14:36:57 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	72.05	.0165	.0005	.0055	.3702	.0026	14.39	.0005	.0528
Stddev	.0002	1.03	.0012	.0016	.0004	.0052	.0001	.19	.0001	.0002
%RSD	48.17	1.432	7.207	289.6	7.496	1.398	2.205	1.331	26.66	.3643
#1	-.0002	71.32	.0174	-.0006	.0052	.3666	.0026	14.26	.0007	.0530
#2	-.0005	72.78	.0157	.0017	.0058	.3739	.0027	14.53	.0004	.0527

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1693	.1034	108.0	10.31	37.07	1.704	.0011	1.093	.1403	.0566
Stddev	.0004	.0003	1.5	.01	.03	.002	.0002	.005	.0012	.0020
%RSD	.2606	.2834	1.402	.1457	.0872	.0901	18.98	.4897	.8789	3.559
#1	.1690	.1036	107.0	10.30	37.05	1.705	.0009	1.089	.1412	.0580
#2	.1696	.1032	109.1	10.32	37.09	1.703	.0012	1.097	.1394	.0552

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0076	.0024	-.0005	.0018	2.045	.0019	.0867	3.752	-.0003	.1765
Stddev	.0023	.0006	.0004	.0006	.002	.0002	.0001	.005	.0007	.0003
%RSD	30.41	24.25	85.21	31.72	.1178	12.37	.1507	.1425	255.7	.1683
#1	.0092	.0028	-.0007	.0014	2.047	.0017	.0868	3.756	-.0008	.1763
#2	.0060	.0020	-.0002	.0022	2.044	.0021	.0866	3.748	.0002	.1767

Elem	W_2397	Zn2062	Zr3391
Avg	-.0072	.2878	.0129
Stddev	.0027	.0001	.0000
%RSD	37.07	.0407	.1787
#1	-.0091	.2878	.0129
#2	-.0053	.2877	.0129

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2351.7	67726.	11837.
Stddev	1.4	8.	192.
%RSD	.05776	.01108	1.6249
#1	2352.6	67721.	11973.
#2	2350.7	67732.	11701.

Zoom In Zoom Out

Sample Name: MC23827-4 Acquired: 8/28/2013 14:41:12 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0013	70.62	.0211	.0015	.0091	.3864	.0027	48.54	.0008	.0513
Stddev	.0003	.90	.0006	.0013	.0001	.0050	.0000	.60	.0002	.0000
%RSD	24.40	1.275	2.870	84.49	1.044	1.293	1.191	1.239	24.00	.0136
#1	.0016	69.98	.0207	.0024	.0091	.3829	.0026	48.11	.0010	.0512
#2	.0011	71.25	.0215	.0006	.0090	.3899	.0027	48.96	.0007	.0513

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1695	.1054	102.3	13.71	36.39	1.749	.0045	1.803	.1409	.0763
Stddev	.0004	.0010	1.2	.01	.12	.001	.0001	.009	.0014	.0002
%RSD	.2499	.9014	1.191	.0554	.3419	.0447	1.263	.4709	.9849	.3077
#1	.1692	.1061	101.5	13.71	36.30	1.748	.0044	1.797	.1399	.0761
#2	.1698	.1048	103.2	13.70	36.47	1.750	.0045	1.809	.1419	.0765

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0056	.0032	.0008	.0023	2.105	.0103	.1423	3.590	-.0006	.1775
Stddev	.0010	.0046	.0005	.0007	.002	.0002	.0019	.002	.0002	.0004
%RSD	18.28	145.9	69.38	29.48	.0854	1.616	1.335	.0620	40.49	.2421
#1	.0063	.0064	.0012	.0018	2.104	.0102	.1409	3.591	-.0008	.1772
#2	.0049	-.0001	.0004	.0028	2.107	.0105	.1436	3.588	-.0004	.1778

Elem	W_2397	Zn2062	Zr3391
Avg	-.0056	.3739	.0155
Stddev	.0017	.0001	.0001
%RSD	29.68	.0205	.8814
#1	-.0068	.3738	.0156
#2	-.0045	.3739	.0154

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2359.6	67935.	11855.
Stddev	5.9	124.	197.
%RSD	.25018	.18186	1.6585
#1	2363.7	68022.	11994.
#2	2355.4	67848.	11716.

Zoom In Zoom Out

Sample Name: MC23827-5 Acquired: 8/28/2013 14:45:29 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0014	73.88	.0193	.0030	.0050	.3367	.0027	28.71	.0007	.0526
Stddev	.0002	.13	.0006	.0001	.0003	.0017	.0000	.10	.0000	.0001
%RSD	11.98	.1777	3.111	2.341	5.449	.5002	1.839	.3526	6.093	.1284
#1	.0013	73.97	.0189	.0030	.0048	.3379	.0027	28.79	.0008	.0525
#2	.0015	73.79	.0197	.0029	.0052	.3355	.0027	28.64	.0007	.0526

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1741	.1018	108.9	11.65	38.31	1.574	.0024	1.484	.1410	.0720
Stddev	.0007	.0002	.3	.05	.22	.000	.0001	.003	.0000	.0001
%RSD	.4023	.2409	.2972	.4622	.5696	.0146	2.744	.2317	.0016	.2055
#1	.1746	.1017	109.1	11.69	38.46	1.574	.0024	1.486	.1410	.0719
#2	.1736	.1020	108.7	11.61	38.15	1.574	.0025	1.481	.1410	.0721

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0067	.0082	-.0002	.0034	2.055	.0139	.1154	3.733	.0003	.1825
Stddev	.0003	.0036	.0005	.0006	.000	.0002	.0002	.001	.0009	.0004
%RSD	5.035	43.91	198.0	18.43	.0133	1.231	.1601	.0290	334.8	.1980
#1	.0064	.0107	-.0006	.0029	2.055	.0140	.1155	3.733	-.0004	.1822
#2	.0069	.0056	.0001	.0038	2.055	.0138	.1153	3.732	.0009	.1827

Elem	W_2397	Zn2062	Zr3391
Avg	-.0081	.3261	.0133
Stddev	.0005	.0005	.0000
%RSD	5.736	.1545	.3447
#1	-.0084	.3265	.0133
#2	-.0078	.3258	.0133

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2370.0	68231.	11779.
Stddev	3.4	185.	46.
%RSD	.14497	.27074	.38929
#1	2367.5	68100.	11746.
#2	2372.4	68362.	11811.

Zoom In Zoom Out

Sample Name: MP21555-B1 Acquired: 8/28/2013 14:49:44 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1973	2.049	.5043	-.0019	.0011	1.922	.4991	23.73	.4827	.4879
Stddev	.0011	.026	.0029	.0020	.0002	.006	.0011	.06	.0002	.0001
%RSD	.5783	1.255	.5810	104.8	15.95	.3003	.2230	.2425	.0449	.0216
#1	.1964	2.067	.5022	-.0005	.0012	1.926	.4999	23.77	.4828	.4878
#2	.1981	2.031	.5063	-.0033	.0010	1.918	.4984	23.69	.4825	.4880

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5016	.4664	1.954	23.94	23.82	.4780	.0003	23.77	.4539	.9221
Stddev	.0083	.0025	.013	.09	.12	.0021	.0000	.08	.0002	.0001
%RSD	1.654	.5299	.6394	.3892	.5202	.4434	8.593	.3193	.0484	.0105
#1	.4957	.4646	1.962	24.00	23.90	.4765	.0003	23.83	.4540	.9220
#2	.5074	.4681	1.945	23.87	23.73	.4795	.0003	23.72	.4537	.9221

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0002	.0021	.4798	.4796	.0213	.0038	.4834	.4763	.4839	.4981
Stddev	.0000	.0015	.0011	.0018	.0009	.0004	.0010	.0016	.0027	.0008
%RSD	6.528	71.60	.2394	.3851	4.077	11.58	.2149	.3438	.5479	.1600
#1	.0002	.0010	.4806	.4783	.0219	.0035	.4841	.4752	.4821	.4975
#2	.0001	.0032	.4790	.4809	.0207	.0041	.4827	.4775	.4858	.4986

Elem	W_2397	Zn2062	Zr3391
Avg	.0008	.4922	-.0006
Stddev	.0020	.0001	.0000
%RSD	252.0	.0289	5.232
#1	-.0006	.4921	-.0006
#2	.0023	.4923	-.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2214.6	63979.	10995.
Stddev	.5	247.	71.
%RSD	.02265	.38668	.64182
#1	2214.2	63804.	10945.
#2	2214.9	64154.	11045.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/28/2013 14:53:58 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2504	9.967	1.932	-.0008	1.897	1.985	2.030	10.06	1.954	2.022
Stddev	.0026	.162	.003	.0008	.002	.036	.037	.20	.001	.002
%RSD	1.056	1.625	.1713	94.60	.0814	1.804	1.812	1.951	.0338	.1032
#1	.2485	9.853	1.935	-.0014	1.896	1.960	2.004	9.917	1.954	2.023
#2	.2522	10.08	1.930	-.0003	1.898	2.010	2.056	10.19	1.954	2.020

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.983	1.987	9.880	9.937	9.855	1.952	1.934	9.814	1.891	1.892
Stddev	.008	.001	.194	.081	.083	.008	.001	.184	.002	.001
%RSD	.3808	.0623	1.961	.8165	.8377	.3997	.0306	1.870	.0953	.0298
#1	1.978	1.987	9.743	9.880	9.797	1.947	1.934	9.684	1.893	1.892
#2	1.988	1.988	10.02	9.995	9.914	1.958	1.933	9.944	1.890	1.891

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0012	.0058	1.926	1.922	.0812	1.916	2.038	1.976	1.948	1.997
Stddev	.0007	.0069	.001	.000	.0000	.001	.037	.006	.006	.006
%RSD	60.36	119.0	.0594	.0202	.0187	.0464	1.820	.3276	.3227	.3136
#1	.0007	.0009	1.927	1.922	.0812	1.917	2.012	1.972	1.952	1.993
#2	.0017	.0106	1.925	1.922	.0812	1.916	2.064	1.981	1.943	2.002

Elem	W_2397	Zn2062	Zr3391
Avg	-.0070	1.923	-.0022
Stddev	.0018	.003	.0003
%RSD	25.11	.1374	12.74
#1	-.0057	1.924	-.0020
#2	-.0082	1.921	-.0024

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2224.9	63958.	10747.
Stddev	3.5	565.	152.
%RSD	.15667	.88290	1.4147
#1	2222.4	64357.	10854.
#2	2227.4	63558.	10639.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/28/2013 14:58:09 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	.0048	.0011	.0001	.0017	.0002	.0001	.0006	.0003	.0002
Stddev	.0000	.0128	.0004	.0005	.0002	.0002	.0001	.0026	.0002	.0001
%RSD	5.067	265.3	32.01	750.3	14.33	65.23	69.51	423.7	53.49	31.74
#1	-.0004	.0139	.0013	-.0003	.0019	.0004	.0002	-.0012	.0002	.0001
#2	-.0005	-.0042	.0008	.0004	.0015	.0001	.0001	.0024	.0005	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0001	-.0007	.0029	-.1070	.0014	.0002	.0012	-.0033	.0003	.0005
Stddev	.0000	.0004	.0005	.0233	.0318	.0000	.0003	.0012	.0002	.0007
%RSD	3.026	64.44	15.86	21.77	2287.	31.99	20.64	34.90	69.22	136.9
#1	.0001	-.0010	.0033	-.1235	.0238	.0002	.0014	-.0041	.0004	.0011
#2	.0001	-.0004	.0026	-.0905	-.0211	.0001	.0011	-.0025	.0001	.0000

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0008	.0039	.0004	-.0002	-.0058	.0005	.0001	.0005	.0016	.0002
Stddev	.0012	.0002	.0000	.0015	.0024	.0000	.0000	.0000	.0010	.0002
%RSD	152.9	5.428	.2926	865.6	41.44	3.544	26.20	4.552	62.45	84.79
#1	-.0017	.0041	.0004	.0009	-.0075	.0005	.0001	.0005	.0023	.0003
#2	.0001	.0038	.0004	-.0012	-.0041	.0005	.0002	.0005	.0009	.0001

Elem	W_2397	Zn2062	Zr3391
Avg	.0000	.0001	.0000
Stddev	.003	.0001	.000
%RSD	15990.	84.76	1528.
#1	.0021	.0002	.0001
#2	-.0021	.0000	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2240.8	64491.	11095.
Stddev	1.1	181.	50.
%RSD	.04712	.28110	.44932
#1	2241.5	64619.	11060.
#2	2240.0	64362.	11130.

Zoom In Zoom Out

Sample Name: MP21555-MB1 Acquired: 8/28/2013 15:02:31 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0030	.0005	-.0001	.0005	.0003	.0000	.0157	.0001	-.0001
Stddev	.0004	.0069	.0012	.0006	.0001	.0001	.000	.0023	.0002	.0001
%RSD	240.5	232.1	227.8	588.3	15.49	27.37	218.6	14.57	117.3	58.95
#1	-.0005	-.0019	-.0003	-.0005	.0005	.0002	.0000	.0173	.0000	-.0002
#2	.0001	.0079	.0014	.0003	.0006	.0003	-.0001	.0141	.0003	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	-.0001	.0182	-.0908	-.0294	.0002	.0002	.0172	.0000	-.0003
Stddev	.0006	.0002	.0013	.0118	.0028	.0000	.0000	.0206	.0000	.0001
%RSD	251.9	205.8	7.390	13.01	9.661	11.77	11.44	120.0	103.8	27.83
#1	-.0002	.0000	.0172	-.0824	-.0314	.0002	.0002	.0317	.0000	-.0002
#2	.0006	-.0003	.0191	-.0991	-.0274	.0002	.0003	.0026	.0000	-.0003

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0001	.0011	.0003	.0006	.0149	.0075	.0002	.0003	.0000	.0000
Stddev	.0005	.0060	.0002	.0002	.0007	.0003	.0001	.0002	.0005	.000
%RSD	649.5	569.5	72.43	38.01	4.943	3.852	55.79	66.19	1713.	121.9
#1	.0003	-.0032	.0001	.0004	.0144	.0077	.0002	.0004	.0004	-.0001
#2	-.0005	.0053	.0004	.0007	.0154	.0073	.0001	.0002	-.0003	.0000

Elem	W_2397	Zn2062	Zr3391
Avg	-.0031	.0023	.0006
Stddev	.0016	.0000	.0005
%RSD	50.42	1.547	70.51
#1	-.0042	.0023	.0003
#2	-.0020	.0023	.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2229.6	64402.	10853.
Stddev	2.3	527.	11.
%RSD	.10382	.81756	.09960
#1	2227.9	64030.	10860.
#2	2231.2	64774.	10845.

Zoom In Zoom Out

Sample Name: MP21555-S1 Acquired: 8/28/2013 15:06:55 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1894	111.5	.4997	.0028	.0518	2.569	.4692	144.5	.4613	.5105
Stddev	.0009	.1	.0018	.0010	.0003	.002	.0001	.3	.0006	.0003
%RSD	.4775	.0854	.3659	35.33	.5858	.0937	.0223	.1993	.1214	.0511
#1	.1887	111.6	.5010	.0021	.0516	2.570	.4693	144.7	.4609	.5103
#2	.1900	111.5	.4984	.0035	.0520	2.567	.4691	144.3	.4617	.5107

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6215	.8158	140.4	42.41	56.43	2.416	.0049	25.58	.5261	2.118
Stddev	.0066	.0042	.2	.02	.27	.001	.0000	.02	.0013	.002
%RSD	1.055	.5175	.1715	.0463	.4749	.0239	.6952	.0898	.2515	.0948
#1	.6169	.8129	140.6	42.40	56.62	2.415	.0050	25.56	.5251	2.117
#2	.6262	.8188	140.2	42.43	56.24	2.416	.0049	25.59	.5270	2.120

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0001	.0002	.2364	.4478	5.040	.0798	1.021	6.628	.4379	.7018
Stddev	.0002	.0038	.0013	.0015	.032	.0001	.000	.008	.0020	.0004
%RSD	413.2	1642.	.5392	.3273	.6369	.1306	.0406	.1175	.4524	.0629
#1	.0001	-.0024	.2373	.4467	5.017	.0799	1.021	6.622	.4393	.7015
#2	-.0002	.0029	.2355	.4488	5.063	.0797	1.022	6.633	.4365	.7022

Elem	W_2397	Zn2062	Zr3391
Avg	-.0145	2.006	.0069
Stddev	.0041	.003	.0003
%RSD	27.96	.1415	4.289
#1	-.0117	2.004	.0067
#2	-.0174	2.008	.0071

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2333.6	67447.	11690.
Stddev	.7	151.	55.
%RSD	.02971	.22352	.47051
#1	2333.1	67341.	11652.
#2	2334.1	67554.	11729.

Zoom In Zoom Out

Sample Name: MP21555-S2 Acquired: 8/28/2013 15:11:07 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1883	104.5	.4963	.0003	.0541	2.625	.4671	159.0	.4597	.5037
Stddev	.0005	.8	.0040	.0002	.0001	.024	.0028	1.0	.0011	.0018
%RSD	.2473	.7696	.8076	53.67	.1394	.9008	.6096	.6091	.2460	.3642
#1	.1886	105.1	.4934	.0002	.0542	2.642	.4691	159.7	.4589	.5024
#2	.1879	104.0	.4991	.0004	.0541	2.608	.4650	158.3	.4605	.5050

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6091	.8201	125.0	39.22	50.14	2.327	.0054	25.72	.5136	2.189
Stddev	.0002	.0002	.9	.28	.20	.005	.0000	.23	.0018	.004
%RSD	.0336	.0199	.7381	.7195	.3977	.2116	.6789	.8811	.3446	.1979
#1	.6092	.8202	125.6	39.42	50.29	2.330	.0054	25.89	.5123	2.186
#2	.6089	.8200	124.3	39.03	50.00	2.323	.0055	25.56	.5148	2.192

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0033	-.0029	.2305	.4494	4.471	.0452	1.099	6.135	.4377	.6860
Stddev	.0002	.0012	.0004	.0001	.033	.0004	.009	.014	.0011	.0010
%RSD	7.369	40.15	.1911	.0241	.7299	.8234	.8599	.2348	.2577	.1484
#1	-.0031	-.0021	.2302	.4495	4.448	.0449	1.105	6.145	.4369	.6867
#2	-.0035	-.0038	.2308	.4494	4.494	.0454	1.092	6.125	.4385	.6853

Elem	W_2397	Zn2062	Zr3391
Avg	-.0103	2.068	.0060
Stddev	.0023	.004	.0006
%RSD	22.11	.2045	9.626
#1	-.0087	2.065	.0056
#2	-.0119	2.071	.0064

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2339.0	67838.	11934.
Stddev	5.3	240.	38.
%RSD	.22675	.35411	.32176
#1	2342.7	67669.	11961.
#2	2335.2	68008.	11907.

Zoom In Zoom Out

Sample Name: MC23749-2 Acquired: 8/28/2013 15:15:20 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0010	92.78	.0287	.0017	.0463	.8558	.0034	129.3	.0043	.0612
Stddev	.0001	.33	.0010	.0029	.0008	.0031	.0000	.4	.0001	.0001
%RSD	5.858	.3557	3.560	170.4	1.773	.3638	1.149	.3330	1.481	.1036
#1	.0010	93.01	.0280	-.0004	.0457	.8580	.0034	129.6	.0044	.0613
#2	.0009	92.54	.0294	.0038	.0469	.8536	.0033	129.0	.0043	.0612

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1299	.3423	124.4	15.73	26.63	3.765	.0083	3.133	.0945	1.841
Stddev	.0018	.0014	.4	.21	.35	.026	.0001	.037	.0002	.001
%RSD	1.375	.4214	.2980	1.317	1.321	.7023	1.352	1.171	.1931	.0594
#1	.1287	.3433	124.7	15.87	26.88	3.783	.0084	3.159	.0944	1.841
#2	.1312	.3413	124.2	15.58	26.38	3.746	.0082	3.107	.0946	1.842

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0001	.0101	.0019	.0044	4.432	.0582	.5853	5.103	-.0005	.2057
Stddev	.0003	.0045	.0009	.0007	.001	.0000	.0010	.004	.0006	.0055
%RSD	387.4	44.93	46.02	15.99	.0274	.0576	.1778	.0793	124.2	2.676
#1	-.0001	.0133	.0025	.0049	4.431	.0582	.5860	5.106	-.0001	.2018
#2	.0003	.0069	.0013	.0039	4.433	.0582	.5845	5.100	-.0009	.2096

Elem	W_2397	Zn2062	Zr3391
Avg	-.0076	1.488	.0045
Stddev	.0034	.002	.0002
%RSD	45.26	.1474	4.341
#1	-.0052	1.486	.0044
#2	-.0101	1.490	.0047

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2357.1	68692.	11944.
Stddev	4.2	57.	137.
%RSD	.17947	.08337	1.1437
#1	2360.1	68652.	11847.
#2	2354.1	68733.	12040.

Zoom In Zoom Out

Sample Name: MP21555-SD1 Acquired: 8/28/2013 15:19:40 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	99.73	.0352	.0007	.0911	.9234	.0034	141.5	.0052	.0666
Stddev	.0030	.03	.0024	.0057	.0027	.0026	.0001	.6	.0005	.0002
%RSD	17080.	.0318	6.893	801.5	2.909	.2766	4.210	.4185	10.35	.3019
#1	.0021	99.71	.0334	-.0033	.0893	.9216	.0035	141.0	.0048	.0665
#2	-.0021	99.76	.0369	.0048	.0930	.9252	.0033	141.9	.0056	.0668

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1418	.3670	137.1	16.49	28.75	4.133	.0088	3.348	.1043	2.049
Stddev	.0040	.0098	.5	.20	.27	.002	.0000	.051	.0015	.002
%RSD	2.806	2.684	.3604	1.227	.9349	.0438	.4758	1.529	1.427	.0739
#1	.1390	.3600	136.7	16.35	28.56	4.135	.0089	3.312	.1054	2.050
#2	.1446	.3739	137.4	16.63	28.94	4.132	.0088	3.385	.1033	2.048

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0020	.0341	.0046	-.0018	4.699	.0635	.6326	5.509	.0003	.2265
Stddev	.0042	.0194	.0021	.0074	.009	.0007	.0002	.004	.0090	.0103
%RSD	206.5	56.83	45.32	399.1	.1957	1.156	.0280	.0788	2592.	4.537
#1	.0050	.0204	.0031	-.0070	4.705	.0630	.6325	5.512	-.0060	.2192
#2	-.0009	.0478	.0061	.0034	4.692	.0640	.6327	5.506	.0067	.2338

Elem	W_2397	Zn2062	Zr3391
Avg	-.0228	1.657	.0047
Stddev	.0162	.003	.0002
%RSD	71.24	.1882	3.254
#1	-.0113	1.660	.0048
#2	-.0343	1.655	.0046

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2257.4	65523.	11205.
Stddev	.4	135.	30.
%RSD	.01953	.20653	.26842
#1	2257.1	65619.	11226.
#2	2257.7	65428.	11183.

Zoom In Zoom Out

Sample Name: MP21555-B2 Acquired: 8/28/2013 15:23:59 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1998	2.072	.5124	-.0009	.0015	1.962	.5049	24.14	.4901	.4952
Stddev	.0005	.020	.0023	.0009	.0003	.016	.0040	.23	.0006	.0004
%RSD	.2482	.9748	.4422	96.84	19.57	.8162	.7854	.9721	.1159	.0786
#1	.2001	2.087	.5108	-.0003	.0017	1.974	.5077	24.30	.4897	.4949
#2	.1994	2.058	.5140	-.0015	.0013	1.951	.5021	23.97	.4905	.4955

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5099	.4733	1.970	24.49	24.37	.4833	.0003	24.23	.4635	.9392
Stddev	.0056	.0011	.017	.15	.06	.0003	.0000	.21	.0000	.0010
%RSD	1.093	.2237	.8741	.6301	.2660	.0520	3.239	.8651	.0103	.1117
#1	.5060	.4725	1.982	24.60	24.42	.4831	.0003	24.38	.4635	.9384
#2	.5138	.4740	1.957	24.38	24.33	.4834	.0003	24.08	.4634	.9399

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0001	.0018	.4890	.4891	.0205	.0058	.4865	.4828	.4946	.5046
Stddev	.0008	.0010	.0006	.0024	.0004	.0003	.0032	.0005	.0016	.0014
%RSD	828.1	59.69	.1227	.4836	2.054	5.204	.6610	.1097	.3316	.2765
#1	-.0006	.0025	.4886	.4874	.0202	.0060	.4887	.4825	.4934	.5056
#2	.0004	.0010	.4894	.4908	.0208	.0056	.4842	.4832	.4957	.5036

Elem	W_2397	Zn2062	Zr3391
Avg	.0009	.4955	-.0015
Stddev	.0004	.0010	.0002
%RSD	46.44	.2066	14.23
#1	.0006	.4948	-.0016
#2	.0012	.4963	-.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2226.9	64946.	11056.
Stddev	.2	291.	133.
%RSD	.00923	.44773	1.2009
#1	2227.1	64740.	10962.
#2	2226.8	65152.	11150.

Zoom In Zoom Out

Sample Name: MP21555-LC1 Acquired: 8/28/2013 15:28:15 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.3206	102.1	.8730	.0010	.9776	1.572	.5012	57.31	.5654	.9373
Stddev	.0003	.0	.0013	.0014	.0005	.002	.0000	.03	.0008	.0009
%RSD	.0802	.0466	.1540	144.3	.0556	.1028	.0039	.0485	.1482	.0981
#1	.3208	102.1	.8740	.0000	.9772	1.573	.5012	57.30	.5648	.9366
#2	.3204	102.2	.8721	.0020	.9780	1.571	.5012	57.33	.5660	.9379

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6795	.7131	125.4	37.91	29.84	2.704	.3913	6.090	.5084	.7892
Stddev	.0002	.0005	.0	.04	.09	.001	.0006	.000	.0008	.0001
%RSD	.0325	.0646	.0081	.0969	.2872	.0414	.1427	.0027	.1477	.0166
#1	.6796	.7135	125.4	37.93	29.90	2.705	.3909	6.090	.5079	.7893
#2	.6793	.7128	125.4	37.88	29.78	2.703	.3917	6.090	.5089	.7891

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0036	.0010	.8267	1.495	3.970	.9265	.6716	2.651	1.107	.5772
Stddev	.0008	.0002	.0008	.001	.000	.0020	.0001	.001	.000	.0006
%RSD	22.67	23.07	.0945	.0919	.0109	.2174	.0100	.0396	.0083	.1123
#1	.0042	.0009	.8262	1.494	3.970	.9250	.6716	2.652	1.107	.5767
#2	.0030	.0012	.8273	1.496	3.969	.9279	.6715	2.650	1.107	.5777

Elem	W_2397	Zn2062	Zr3391
Avg	-.0146	1.248	.0655
Stddev	.0008	.001	.0031
%RSD	5.172	.1140	4.693
#1	-.0152	1.247	.0676
#2	-.0141	1.249	.0633

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2433.2	70531.	12350.
Stddev	7.4	172.	11.
%RSD	.30520	.24447	.08750
#1	2438.4	70409.	12343.
#2	2427.9	70653.	12358.

Zoom In Zoom Out

Sample Name: MC23273-10R Acquired: 8/28/2013 15:32:33 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0013	103.4	.1474	.0008	.0777	F27.61	.0056	137.9	.0098
Stddev	.0003	.1	.0003	.0016	.0002	.71	.0000	.2	.0001
%RSD	22.21	.1023	.2247	215.7	.3182	2.569	.6143	.1632	1.072
#1	.0011	103.4	.1476	.0019	.0779	28.11	.0056	138.1	.0099
#2	.0015	103.3	.1472	-.0004	.0776	27.11	.0057	137.8	.0097

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.1072	.6859	3.435	F463.8	9.910	32.57	7.204	.1925	15.35
Stddev	.0004	.0027	.006	2.1	.171	.25	.021	.0001	.01
%RSD	.3377	.3938	.1700	.4561	1.723	.7752	.2861	.0689	.0325
#1	.1074	.6878	3.430	462.3	9.790	32.39	7.219	.1924	15.35
#2	.1069	.6840	3.439	465.2	10.03	32.75	7.189	.1926	15.34

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	2.090	2.553	.0030	.0128	.0158	-.0018	5.763	.2598	.8794
Stddev	.002	.000	.0026	.0024	.0002	.0002	.000	.0004	.0005
%RSD	.0840	.0137	86.31	18.38	1.282	10.37	.0023	.1637	.0617
#1	2.089	2.552	.0012	.0112	.0156	-.0020	5.763	.2595	.8790
#2	2.092	2.553	.0049	.0145	.0159	-.0017	5.763	.2601	.8798

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	2.211	.0007	.2425	.0612	2.932	.0930
Stddev	.002	.0003	.0039	.0026	.004	.0034
%RSD	.0833	47.81	1.590	4.195	.1550	3.699
#1	2.210	.0005	.2398	.0594	2.928	.0906
#2	2.212	.0009	.2453	.0630	2.935	.0954

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2290.4	68234.	12085.
Stddev	3.4	199.	103.
%RSD	.14792	.29096	.85168
#1	2292.8	68094.	12012.
#2	2288.0	68375.	12158.

Zoom In Zoom Out

Sample Name: MC23273-1R Acquired: 8/28/2013 15:37:04 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0003	108.0	.1982	-.0058	.0801	1.326	.0060	262.7	.0071
Stddev	.0004	.1	.0008	.0019	.0002	.001	.0000	2.6	.0001
%RSD	154.1	.0662	.3900	32.01	.2054	.0962	.4371	1.003	1.137
#1	.0000	108.0	.1977	-.0071	.0800	1.325	.0060	264.5	.0072
#2	.0005	107.9	.1988	-.0045	.0802	1.327	.0060	260.8	.0071

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.1275	1.042	1.234	F584.4	15.17	36.10	5.940	.6693	3.280
Stddev	.0004	.002	.004	2.0	.05	.05	.020	.0013	.009
%RSD	.2757	.1792	.3327	.3378	.3129	.1471	.3329	.1909	.2898
#1	.1273	1.044	1.237	585.7	15.21	36.13	5.926	.6684	3.287
#2	.1278	1.041	1.231	583.0	15.14	36.06	5.954	.6702	3.273

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	1.689	1.524	-.0033	.0044	.0190	-.0045	6.342	.1499	.6631
Stddev	.003	.005	.0004	.0072	.0011	.0005	.020	.0003	.0001
%RSD	.1814	.3575	11.84	164.8	5.624	11.70	.3070	.2251	.0182
#1	1.687	1.520	-.0036	-.0007	.0198	-.0048	6.356	.1501	.6632
#2	1.692	1.527	-.0030	.0095	.0183	-.0041	6.328	.1496	.6630

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.208	.0042	.2566	.0346	1.281	.0619
Stddev	.005	.0010	.0001	.0017	.004	.0005
%RSD	.4588	24.47	.0437	4.823	.2841	.8597
#1	1.212	.0050	.2565	.0357	1.279	.0616
#2	1.204	.0035	.2567	.0334	1.284	.0623

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2277.8	69483.	12021.
Stddev	7.0	70.	29.
%RSD	.30672	.10018	.23721
#1	2282.8	69532.	12001.
#2	2272.9	69434.	12041.

Zoom In Zoom Out

Sample Name: MC23273-21R Acquired: 8/28/2013 15:41:33 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	34.81	.0844	.0025	.0141	1.124	.0050	17.29	.0018	.0574
Stddev	.0006	.65	.0009	.0008	.0005	.022	.0000	.30	.0003	.0003
%RSD	291.2	1.854	1.038	34.15	3.482	1.966	.4097	1.716	15.14	.4593
#1	-.0006	34.36	.0838	.0031	.0138	1.108	.0050	17.08	.0020	.0572
#2	.0002	35.27	.0850	.0019	.0145	1.140	.0050	17.50	.0016	.0576

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0743	.2844	200.1	3.592	7.426	4.702	.0247	.4450	.1197	.2530
Stddev	.0020	.0004	3.1	.002	.005	.013	.0001	.0035	.0014	.0006
%RSD	2.644	.1367	1.553	.0489	.0709	.2795	.5907	.7978	1.210	.2228
#1	.0730	.2846	197.9	3.593	7.423	4.693	.0248	.4424	.1187	.2526
#2	.0757	.2841	202.3	3.590	7.430	4.711	.0246	.4475	.1207	.2534

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0103	.0115	.0131	.0135	3.665	.0185	.2556	1.997	.0009	.1274
Stddev	.0006	.0029	.0000	.0009	.019	.0005	.0043	.006	.0001	.0037
%RSD	5.839	25.23	.1099	6.362	.5199	2.462	1.694	.2891	12.07	2.910
#1	.0107	.0095	.0131	.0129	3.679	.0182	.2526	1.993	.0008	.1247
#2	.0099	.0136	.0132	.0141	3.652	.0189	.2587	2.001	.0010	.1300

Elem	W_2397	Zn2062	Zr3391
Avg	-.0068	.1907	.0346
Stddev	.0018	.0000	.0008
%RSD	26.82	.0191	2.184
#1	-.0081	.1908	.0341
#2	-.0055	.1907	.0351

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2352.3	69566.	11962.
Stddev	6.3	249.	92.
%RSD	.26984	.35773	.77236
#1	2356.8	69742.	12028.
#2	2347.8	69391.	11897.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/28/2013 15:48:32 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2507	9.914	1.946	-.0020	1.921	1.965	2.003	9.993	1.960	2.032
Stddev	.0002	.038	.007	.0012	.004	.008	.011	.043	.004	.004
%RSD	.0922	.3859	.3729	57.46	.2356	.4085	.5577	.4265	.1907	.2220
#1	.2509	9.887	1.941	-.0029	1.918	1.959	1.995	9.963	1.958	2.029
#2	.2506	9.941	1.951	-.0012	1.925	1.970	2.010	10.02	1.963	2.035

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.971	1.981	9.866	9.729	9.701	1.957	1.945	9.772	1.909	1.904
Stddev	.006	.001	.025	.042	.007	.004	.005	.016	.005	.004
%RSD	.3015	.0573	.2557	.4271	.0767	.2077	.2345	.1653	.2891	.2025
#1	1.967	1.982	9.848	9.700	9.707	1.954	1.942	9.760	1.905	1.902
#2	1.975	1.980	9.884	9.759	9.696	1.960	1.948	9.783	1.913	1.907

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0019	.0064	1.943	1.944	.0894	1.935	2.019	1.970	1.953	1.984
Stddev	.0021	.0004	.007	.005	.0013	.005	.010	.002	.006	.001
%RSD	110.7	6.230	.3582	.2563	1.436	.2571	.4997	.0929	.3212	.0594
#1	.0033	.0067	1.938	1.941	.0885	1.931	2.011	1.968	1.949	1.983
#2	.0004	.0061	1.948	1.948	.0903	1.938	2.026	1.971	1.958	1.985

Elem	W_2397	Zn2062	Zr3391
Avg	-.0118	1.929	-.0036
Stddev	.0038	.004	.0000
%RSD	32.13	.2229	1.172
#1	-.0091	1.926	-.0036
#2	-.0145	1.932	-.0036

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2238.7	65395.	11114.
Stddev	5.5	242.	5.
%RSD	.24621	.37003	.04455
#1	2242.6	65566.	11111.
#2	2234.8	65224.	11118.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/28/2013 15:52:45 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	.0016	.0012	.0005	.0018	.0000	.0000	.0011	.0002	.0000
Stddev	.000	.0002	.0001	.0007	.0002	.0000	.0000	.0029	.0000	.0000
%RSD	5717.	11.06	7.070	149.1	12.17	37.38	177.9	262.8	5.027	15.08
#1	-.0001	.0015	.0011	.0010	.0019	.0000	.0000	.0032	.0002	.0000
#2	.0001	.0017	.0013	.0000	.0016	.0001	.0000	-.0010	.0002	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	-.0001	.0043	-.1337	.0024	.0001	.0014	-.0080	.0002	-.0003
Stddev	.0003	.0007	.0029	.0088	.0179	.0000	.0004	.0046	.0001	.0009
%RSD	221.9	1005.	65.80	6.615	762.7	38.87	27.48	57.68	63.74	282.7
#1	.0001	.0004	.0064	-.1400	.0150	.0002	.0016	-.0047	.0001	.0003
#2	-.0004	-.0005	.0023	-.1275	-.0103	.0001	.0011	-.0113	.0003	-.0010

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0007	.0015	.0003	.0007	-.0013	.0004	.0001	-.0002	.0010	.0006
Stddev	.0003	.0009	.0004	.0007	.0005	.0004	.0000	.0005	.0001	.0002
%RSD	40.82	59.98	138.8	112.3	36.71	90.81	27.57	258.7	4.823	27.83
#1	-.0009	.0022	.0000	.0012	-.0016	.0007	.0001	.0001	.0010	.0005
#2	-.0005	.0009	.0006	.0001	-.0009	.0002	.0000	-.0005	.0011	.0007

Elem	W_2397	Zn2062	Zr3391
Avg	.0020	.0000	.0001
Stddev	.0043	.0001	.0000
%RSD	216.0	125.5	9.748
#1	-.0011	.0000	.0001
#2	.0051	.0001	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2239.7	65174.	11025.
Stddev	2.6	324.	121.
%RSD	.11406	.49658	1.0984
#1	2241.5	64945.	10939.
#2	2237.9	65403.	11110.

Zoom In Zoom Out

Sample Name: MC23273-22R Acquired: 8/28/2013 15:57:08 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	33.16	.0381	.0013	.0155	1.693	.0030	24.14	.0010	.0629
Stddev	.0004	.04	.0002	.0009	.0003	.001	.0001	.02	.0001	.0002
%RSD	183.9	.1227	.5087	72.24	1.700	.0799	1.752	.0729	6.196	.2635
#1	-.0005	33.19	.0383	.0006	.0153	1.694	.0030	24.16	.0010	.0628
#2	.0001	33.13	.0380	.0019	.0157	1.692	.0030	24.13	.0009	.0630

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0672	.5474	110.1	4.162	7.681	1.409	.0093	.6841	.1739	.4400
Stddev	.0005	.0040	.1	.028	.007	.007	.0003	.0087	.0006	.0012
%RSD	.7007	.7336	.0697	.6607	.0855	.4695	2.957	1.274	.3539	.2639
#1	.0669	.5503	110.2	4.143	7.686	1.414	.0095	.6780	.1743	.4392
#2	.0676	.5446	110.1	4.182	7.676	1.405	.0091	.6903	.1734	.4408

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0062	.0032	.0037	.0069	2.968	.0506	.2134	1.054	.0010	.0951
Stddev	.0010	.0010	.0001	.0012	.007	.0001	.0001	.005	.0004	.0024
%RSD	16.84	31.56	2.078	17.17	.2526	.2063	.0501	.4785	44.67	2.568
#1	.0069	.0039	.0037	.0077	2.974	.0505	.2135	1.058	.0013	.0934
#2	.0054	.0025	.0038	.0061	2.963	.0507	.2133	1.050	.0007	.0968

Elem	W_2397	Zn2062	Zr3391
Avg	-.0039	.2826	.0221
Stddev	.0024	.0007	.0015
%RSD	60.19	.2608	6.661
#1	-.0056	.2832	.0210
#2	-.0023	.2821	.0231

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2336.8	68311.	11763.
Stddev	2.1	408.	8.
%RSD	.08826	.59782	.07189
#1	2335.4	68022.	11769.
#2	2338.3	68600.	11757.

Zoom In Zoom Out

Sample Name: MC23273-24R Acquired: 8/28/2013 16:01:26 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	62.10	.1357	.0024	.0459	1.035	.0059	68.71	.0037	.0939
Stddev	.0004	.61	.0011	.0014	.0009	.009	.0000	.66	.0000	.0002
%RSD	142.5	.9834	.7777	58.51	1.892	.9040	.1134	.9677	.3433	.1743
#1	-.0006	62.53	.1365	.0014	.0453	1.042	.0059	69.18	.0037	.0938
#2	.0000	61.67	.1350	.0034	.0466	1.029	.0059	68.24	.0037	.0940

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1984	.4837	254.2	6.837	15.48	3.305	.0159	4.825	.5343	1.674
Stddev	.0005	.0000	2.1	.085	.06	.002	.0001	.007	.0012	.002
%RSD	.2270	.0014	.8438	1.240	.4108	.0696	.9205	.1384	.2245	.1187
#1	.1981	.4837	255.7	6.777	15.43	3.307	.0158	4.820	.5352	1.676
#2	.1987	.4837	252.7	6.897	15.52	3.304	.0160	4.830	.5335	1.673

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0038	.0073	.0048	.0052	4.491	.0482	.5680	1.968	.0007	.1903
Stddev	.0011	.0005	.0009	.0012	.019	.0006	.0063	.001	.0006	.0010
%RSD	27.45	6.905	18.20	23.62	.4283	1.255	1.101	.0396	74.89	.5356
#1	.0031	.0070	.0041	.0060	4.504	.0477	.5724	1.968	.0011	.1910
#2	.0046	.0077	.0054	.0043	4.477	.0486	.5635	1.969	.0004	.1896

Elem	W_2397	Zn2062	Zr3391
Avg	.0057	1.359	.0588
Stddev	.0012	.002	.0011
%RSD	20.75	.1650	1.878
#1	.0049	1.360	.0595
#2	.0066	1.357	.0580

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2341.3	69210.	12261.
Stddev	4.3	163.	38.
%RSD	.18366	.23507	.31383
#1	2338.2	69325.	12234.
#2	2344.3	69095.	12289.

Zoom In Zoom Out

Sample Name: MC23273-4R Acquired: 8/28/2013 16:05:53 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0005	60.83	.4202	-.0325	.0990	1.209	.0040	27.91
Stddev	.0003	.09	.0003	.0040	.0006	.002	.0001	.00
%RSD	55.49	.1425	.0786	12.21	.5933	.1252	1.839	.0038
#1	.0003	60.90	.4204	-.0297	.0994	1.208	.0040	27.91
#2	.0007	60.77	.4199	-.0353	.0986	1.210	.0039	27.91

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0086	.2124	3.924	F18.36	F970.5	6.720	14.76	8.753
Stddev	.0001	.0002	.008	.02	9.3	.014	.01	.051
%RSD	.9808	.0800	.2135	.1132	.9602	.2128	.0475	.5816
#1	.0086	.2122	3.918	18.38	963.9	6.710	14.76	8.717
#2	.0087	.2125	3.930	18.35	977.1	6.731	14.77	8.789

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.7263	3.245	4.026	.7462	-.0016	.0041	.0241	F-.0366
Stddev	.0003	.004	.001	.0010	.0016	.0072	.0008	.0001
%RSD	.0385	.1198	.0276	.1347	97.78	174.6	3.275	.3832
#1	.7265	3.243	4.025	.7455	-.0028	-.0010	.0247	-.0367
#2	.7261	3.248	4.026	.7469	-.0005	.0092	.0236	-.0365

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	4.152	.2091	.3099	1.228	.0006	.2623	.0620	.5617
Stddev	.006	.0005	.0012	.001	.0020	.0006	.0024	.0004
%RSD	.1352	.2474	.4026	.1151	334.2	.2252	3.867	.0785
#1	4.156	.2087	.3108	1.227	.0020	.2627	.0603	.5614
#2	4.148	.2094	.3091	1.229	-.0008	.2618	.0637	.5620

Elem	Zr3391
Avg	.0701
Stddev	.0018
%RSD	2.553
#1	.0714
#2	.0689

Zoom In Zoom Out

Sample Name: MC23273-4R Acquired: 8/28/2013 16:05:53 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2193.1	66273.	11776.
Stddev	1.6	29.	7.
%RSD	.07236	.04414	.06037
#1	2194.2	66294.	11771.
#2	2192.0	66252.	11781.

Zoom In Zoom Out

Sample Name: MC23273-6R Acquired: 8/28/2013 16:10:24 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0023	75.86	.1331	F-.0503	.0433	4.952	.0035	90.34
Stddev	.0002	.14	.0015	.0024	.0002	.013	.0000	.01
%RSD	8.401	.1808	1.129	4.856	.3595	.2658	.6331	.0144
#1	-.0021	75.96	.1342	-.0485	.0432	4.961	.0035	90.34
#2	-.0024	75.76	.1320	-.0520	.0434	4.943	.0035	90.33

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0058	.1085	.8338	1.473	F1095.	4.820	17.15	9.275
Stddev	.0001	.0010	.0133	.031	13.	.043	.06	.118
%RSD	1.718	.9214	1.592	2.086	1.193	.8936	.3418	1.274
#1	.0059	.1092	.8432	1.495	1086.	4.789	17.11	9.359
#2	.0058	.1078	.8244	1.451	1104.	4.850	17.19	9.191

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.1585	3.696	1.438	.6544	-.0230	-.0035	.0199	F-.0681
Stddev	.0005	.019	.008	.0039	.0109	.0016	.0015	.0041
%RSD	.3265	.5117	.5557	.5900	47.51	46.68	7.752	6.066
#1	.1581	3.683	1.444	.6571	-.0307	-.0023	.0210	-.0710
#2	.1589	3.710	1.433	.6516	-.0153	-.0047	.0188	-.0651

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	3.396	.2091	.4591	1.456	-.0004	.1752	.0432	2.570
Stddev	.015	.0023	.0003	.030	.0001	.0026	.0057	.015
%RSD	.4478	1.083	.0728	2.082	31.59	1.470	13.13	.5768
#1	3.407	.2107	.4593	1.478	-.0003	.1770	.0472	2.581
#2	3.385	.2075	.4588	1.435	-.0005	.1733	.0392	2.560

Elem	Zr3391
Avg	.0533
Stddev	.0016
%RSD	3.056
#1	.0544
#2	.0521

Zoom In Zoom Out

Sample Name: MC23273-6R Acquired: 8/28/2013 16:10:24 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2167.5	66732.	11667.
Stddev	8.6	731.	138.
%RSD	.39572	1.0951	1.1856
#1	2161.5	66215.	11765.
#2	2173.6	67249.	11569.

Zoom In Zoom Out

Sample Name: MC23273-9R Acquired: 8/28/2013 16:14:49 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0003	131.9	.2012	.0011	.0392	F21.36	.0056	85.26	.0038
Stddev	.0006	2.7	.0026	.0018	.0001	.11	.0001	1.81	.0001
%RSD	223.4	2.032	1.295	168.2	.2729	.4987	1.795	2.122	2.722
#1	.0002	133.7	.2031	.0023	.0391	21.44	.0057	86.54	.0037
#2	-.0007	130.0	.1994	-.0002	.0392	21.29	.0055	83.98	.0038

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.1086	.3681	.4250	353.5	10.27	48.71	4.862	.1089	2.493
Stddev	.0011	.0064	.0001	3.8	.09	.28	.006	.0002	.024
%RSD	1.045	1.733	.0133	1.086	.8699	.5760	.1165	.1513	.9726
#1	.1078	.3726	.4251	356.3	10.33	48.90	4.858	.1088	2.510
#2	.1094	.3635	.4250	350.8	10.21	48.51	4.866	.1090	2.476

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.5093	.3149	.0030	.0093	.0030	-.0011	4.564	.0289	.4731
Stddev	.0006	.0004	.0004	.0039	.0013	.0011	.002	.0001	.0104
%RSD	.1091	.1135	14.62	41.51	41.51	95.93	.0424	.3050	2.198
#1	.5097	.3146	.0027	.0120	.0021	-.0004	4.566	.0289	.4804
#2	.5089	.3151	.0033	.0066	.0039	-.0019	4.563	.0290	.4657

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.7656	.0009	.2036	-.0023	.7806	.0844
Stddev	.0043	.0014	.0002	.0026	.0009	.0008
%RSD	.5668	151.4	.1092	113.8	.1104	.9518
#1	.7687	-.0001	.2037	-.0004	.7800	.0839
#2	.7626	.0020	.2034	-.0041	.7812	.0850

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2327.0	69012.	12220.
Stddev	3.8	34.	204.
%RSD	.16437	.04932	1.6697
#1	2329.7	69036.	12076.
#2	2324.3	68988.	12364.

Zoom In Zoom Out

Sample Name: MC23732-1 Acquired: 8/28/2013 16:19:23 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	23.93	.0462	.0011	.0502	.3568	.0016	557.7	.0020	.0231
Stddev	.0001	.11	.0001	.0015	.0001	.0012	.0000	4.9	.0001	.0002
%RSD	350.8	.4404	.2441	135.9	.2492	.3497	.1317	.8710	6.415	.9471
#1	.0001	23.86	.0461	.0021	.0502	.3559	.0016	554.3	.0019	.0230
#2	.0000	24.01	.0463	.0000	.0503	.3577	.0016	561.1	.0021	.0233

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0543	.2970	55.22	5.028	109.9	1.429	.0061	.8834	.0555	.1952
Stddev	.0003	.0039	.17	.019	.7	.003	.0000	.0022	.0000	.0002
%RSD	.5019	1.328	.3085	.3786	.6124	.2320	.8057	.2493	.0380	.1044
#1	.0545	.2942	55.10	5.042	109.4	1.431	.0061	.8849	.0555	.1953
#2	.0541	.2998	55.34	5.015	110.3	1.426	.0061	.8818	.0555	.1950

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0348	.0094	.0011	-.0002	2.926	.0282	.4507	1.096	-.0008	.0975
Stddev	.0015	.0020	.0011	.0020	.002	.0004	.0016	.001	.0000	.0004
%RSD	4.167	21.24	98.27	924.2	.0682	1.340	.3567	.1100	3.821	.4232
#1	-.0359	.0109	.0003	-.0016	2.928	.0280	.4496	1.097	-.0008	.0972
#2	-.0338	.0080	.0019	.0012	2.925	.0285	.4519	1.095	-.0008	.0978

Elem	W_2397	Zn2062	Zr3391
Avg	-.0015	.6647	.0351
Stddev	.0065	.0009	.0004
%RSD	423.0	.1282	1.173
#1	-.0061	.6653	.0348
#2	.0030	.6641	.0354

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2169.8	64829.	11411.
Stddev	1.6	65.	25.
%RSD	.07499	.10071	.22298
#1	2168.7	64782.	11429.
#2	2171.0	64875.	11393.

Zoom In Zoom Out

Sample Name: MC23732-2 Acquired: 8/28/2013 16:23:46 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	55.09	.0671	.0026	.1088	1.052	.0043	372.9	.0062	.0386
Stddev	.0006	.42	.0000	.0007	.0000	.008	.0000	5.1	.0002	.0003
%RSD	113.1	.7690	.0074	27.43	.0323	.7228	.0143	1.370	2.696	.6710
#1	.0009	54.79	.0671	.0021	.1088	1.047	.0043	369.3	.0064	.0388
#2	.0001	55.39	.0671	.0031	.1088	1.057	.0043	376.5	.0061	.0384

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1080	.2519	95.68	8.566	82.49	1.680	.0098	1.654	.1037	.6283
Stddev	.0021	.0061	.65	.032	.67	.003	.0002	.012	.0005	.0023
%RSD	1.974	2.407	.6810	.3700	.8106	.1727	2.068	.7490	.4367	.3627
#1	.1065	.2476	95.22	8.544	82.02	1.678	.0097	1.645	.1034	.6266
#2	.1095	.2562	96.14	8.589	82.97	1.682	.0099	1.663	.1041	.6299

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0203	.0027	.0040	-.0015	3.837	.0449	.7037	1.661	.0008	.1691
Stddev	.0005	.0009	.0002	.0002	.007	.0003	.0044	.003	.0009	.0063
%RSD	2.425	34.43	4.258	15.25	.1886	.6516	.6221	.1863	114.7	3.746
#1	-.0206	.0020	.0039	-.0017	3.832	.0451	.7006	1.659	.0002	.1646
#2	-.0199	.0034	.0041	-.0013	3.842	.0447	.7068	1.663	.0015	.1736

Elem	W_2397	Zn2062	Zr3391
Avg	-.0022	1.008	.0543
Stddev	.0014	.001	.0021
%RSD	62.31	.0819	3.802
#1	-.0012	1.007	.0528
#2	-.0032	1.009	.0558

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2264.1	66678.	11784.
Stddev	3.4	217.	192.
%RSD	.15090	.32494	1.6299
#1	2266.5	66831.	11920.
#2	2261.7	66525.	11648.

Zoom In Zoom Out

Sample Name: MC23732-3 Acquired: 8/28/2013 16:28:08 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0011	97.33	.0678	.0008	.1665	1.110	.0072	199.3	.0038	.0567
Stddev	.0002	.42	.0015	.0002	.0002	.004	.0000	1.5	.0000	.0000
%RSD	19.12	.4319	2.238	27.20	.0966	.3921	.0773	.7675	.6422	.0041
#1	.0009	97.63	.0667	.0006	.1666	1.113	.0072	200.4	.0038	.0567
#2	.0012	97.04	.0689	.0009	.1664	1.107	.0072	198.2	.0039	.0567

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1572	.3128	130.0	14.85	71.80	1.695	.0097	2.381	.1427	1.295
Stddev	.0011	.0008	.7	.11	.28	.012	.0001	.022	.0001	.002
%RSD	.6757	.2577	.5633	.7120	.3881	.7285	.9134	.9255	.0802	.1545
#1	.1579	.3134	130.5	14.93	72.00	1.704	.0097	2.397	.1426	1.297
#2	.1564	.3122	129.5	14.78	71.60	1.687	.0098	2.365	.1428	1.294

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0048	.0004	.0045	.0075	4.068	.0965	.5451	1.944	-.0004	.2449
Stddev	.0000	.0015	.0004	.0005	.000	.0004	.0028	.012	.0014	.0017
%RSD	.6236	336.5	9.058	6.867	.0050	.3638	.5152	.6050	390.2	.6881
#1	-.0048	-.0006	.0042	.0079	4.069	.0968	.5471	1.953	.0006	.2461
#2	-.0048	.0015	.0048	.0072	4.068	.0963	.5431	1.936	-.0014	.2437

Elem	W_2397	Zn2062	Zr3391
Avg	-.0086	1.905	.0624
Stddev	.0065	.007	.0006
%RSD	75.02	.3471	.9677
#1	-.0132	1.910	.0628
#2	-.0040	1.900	.0619

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2326.2	68625.	11917.
Stddev	5.3	670.	75.
%RSD	.22857	.97568	.62871
#1	2322.5	68151.	11864.
#2	2330.0	69098.	11970.

Zoom In Zoom Out

Sample Name: MC23732-4 Acquired: 8/28/2013 16:32:25 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0009	113.9	.0834	.0027	.2429	.9158	.0064	243.1	.0019	.0794
Stddev	.0004	.6	.0007	.0014	.0003	.0026	.0001	2.6	.0002	.0003
%RSD	46.04	.5126	.8216	53.24	.1093	.2886	1.218	1.075	10.90	.3572
#1	-.0012	113.5	.0839	.0036	.2427	.9139	.0065	245.0	.0017	.0792
#2	-.0006	114.3	.0829	.0017	.2431	.9177	.0064	241.3	.0020	.0796

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1841	.1534	206.2	15.82	120.5	2.150	.0159	1.571	.1872	.0847
Stddev	.0002	.0004	.8	.06	.5	.004	.0002	.005	.0003	.0004
%RSD	.1128	.2289	.4077	.3988	.4435	.1876	1.262	.3149	.1371	.4942
#1	.1843	.1531	205.6	15.86	120.1	2.153	.0158	1.567	.1870	.0844
#2	.1840	.1536	206.8	15.77	120.9	2.148	.0161	1.574	.1873	.0850

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0100	-.0005	.0010	.0013	3.752	.0050	.2747	2.076	.0006	.3410
Stddev	.0006	.0079	.0010	.0004	.007	.0001	.0015	.001	.0002	.0035
%RSD	6.379	1600.	97.79	31.39	.1822	1.568	.5525	.0335	38.22	1.014
#1	-.0095	-.0061	.0017	.0010	3.748	.0050	.2736	2.076	.0007	.3434
#2	-.0104	.0051	.0003	.0016	3.757	.0051	.2758	2.075	.0004	.3385

Elem	W_2397	Zn2062	Zr3391
Avg	-.0092	.3682	.1181
Stddev	.0006	.0010	.0025
%RSD	6.810	.2584	2.086
#1	-.0088	.3675	.1198
#2	-.0097	.3688	.1163

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2335.2	69373.	12145.
Stddev	7.1	407.	7.
%RSD	.30234	.58731	.06002
#1	2340.2	69085.	12150.
#2	2330.2	69661.	12139.

Zoom In Zoom Out

Sample Name: MC23739-1 Acquired: 8/28/2013 16:36:44 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0009	84.12	.0269	.0008	.0177	.2004	.0047	20.96
Stddev	.0005	.86	.0008	.0007	.0005	.0011	.0000	.20
%RSD	51.47	1.027	2.794	90.39	3.073	.5288	.3829	.9700
#1	-.0013	83.51	.0264	.0003	.0173	.1997	.0047	20.82
#2	-.0006	84.73	.0274	.0013	.0180	.2012	.0047	21.10

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0008	.0351	.0950	.0654	115.0	4.983	15.22	1.726
Stddev	.0002	.0003	.0013	.0020	1.1	.016	.04	.002
%RSD	20.22	.7704	1.394	3.074	.9603	.3277	.2864	.1188
#1	.0009	.0349	.0941	.0640	114.2	4.972	15.19	1.725
#2	.0007	.0353	.0960	.0668	115.8	4.995	15.25	1.728

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0042	1.474	.0567	.1650	.0056	.0022	.0002	.0016
Stddev	.0000	.013	.0002	.0018	.0003	.0012	.0009	.0012
%RSD	.2779	.9014	.3786	1.110	5.997	53.38	425.5	77.00
#1	.0042	1.484	.0566	.1637	.0059	.0014	.0008	.0007
#2	.0042	1.465	.0569	.1662	.0054	.0030	-.0004	.0025

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	3.991	-.0004	.1612	7.273	F-.0055	.1860	-.0041	.2690
Stddev	.000	.0002	.0020	.001	.0000	.0055	.0029	.0003
%RSD	.0091	51.47	1.221	.0167	.7353	2.956	72.41	.1243
#1	3.991	-.0002	.1598	7.272	-.0055	.1822	-.0020	.2692
#2	3.990	-.0005	.1626	7.273	-.0055	.1899	-.0061	.2688

Elem	Zr3391
Avg	.0457
Stddev	.0034
%RSD	7.476
#1	.0433
#2	.0481

Zoom In Zoom Out

Sample Name: MC23739-1 Acquired: 8/28/2013 16:36:44 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2422.9	71348.	12243.
Stddev	2.6	253.	132.
%RSD	.10632	.35418	1.0808
#1	2421.1	71527.	12336.
#2	2424.7	71170.	12149.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/28/2013 16:41:00 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2460	9.878	1.947	-.0020	1.941	1.949	1.980	9.881	1.952	2.029
Stddev	.0031	.015	.002	.0010	.001	.004	.001	.009	.001	.001
%RSD	1.254	.1494	.0957	49.71	.0447	.1924	.0388	.0889	.0317	.0355
#1	.2481	9.888	1.946	-.0013	1.940	1.952	1.981	9.875	1.951	2.029
#2	.2438	9.867	1.949	-.0026	1.941	1.947	1.979	9.887	1.952	2.028

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.951	1.942	9.855	9.569	9.658	1.957	1.946	9.755	1.916	1.906
Stddev	.016	.010	.039	.063	.061	.017	.001	.009	.002	.002
%RSD	.8312	.5382	.3963	.6538	.6365	.8633	.0529	.0970	.0966	.1121
#1	1.962	1.949	9.827	9.613	9.614	1.969	1.945	9.748	1.917	1.907
#2	1.939	1.934	9.882	9.524	9.701	1.945	1.947	9.761	1.915	1.904

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0029	.0058	1.946	1.950	.0910	1.947	2.004	1.954	1.947	1.960
Stddev	.0011	.0035	.003	.001	.0003	.004	.004	.017	.002	.016
%RSD	36.65	59.98	.1369	.0252	.3394	.1826	.2207	.8865	.0937	.8207
#1	.0036	.0033	1.944	1.950	.0908	1.950	2.007	1.966	1.949	1.971
#2	.0021	.0082	1.948	1.950	.0913	1.945	2.000	1.942	1.946	1.949

Elem	W_2397	Zn2062	Zr3391
Avg	-.0126	1.920	.0015
Stddev	.0006	.002	.0012
%RSD	4.494	.0877	80.64
#1	-.0130	1.921	.0023
#2	-.0122	1.919	.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2234.2	65255.	11125.
Stddev	2.1	557.	124.
%RSD	.09426	.85285	1.1176
#1	2232.7	64862.	11213.
#2	2235.7	65649.	11037.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/28/2013 16:45:12 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	.0026	.0010	.0002	.0021	.0002	.0001	.0017	.0002	.0002
Stddev	.0001	.0083	.0003	.0009	.0001	.0002	.0001	.0010	.0000	.0000
%RSD	25.50	312.4	30.52	405.3	6.585	84.30	85.28	56.90	18.33	5.678
#1	.0005	-.0032	.0008	-.0004	.0022	.0001	.0001	.0010	.0002	.0002
#2	.0004	.0085	.0013	.0008	.0020	.0003	.0000	.0023	.0002	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	.0002	.0029	-.1352	-.0091	.0002	.0014	-.0128	.0000	-.0004
Stddev	.0004	.0004	.0008	.0162	.0194	.0000	.0003	.0046	.0000	.0005
%RSD	293.7	177.0	27.78	12.02	214.3	5.447	18.54	36.34	909.2	145.6
#1	-.0004	-.0001	.0023	-.1237	.0047	.0002	.0015	-.0095	.0000	.0000
#2	.0002	.0005	.0034	-.1467	-.0228	.0002	.0012	-.0161	.0000	-.0007

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0003	.0030	-.0002	.0002	-.0005	.0005	.0002	.0000	.0020	.0004
Stddev	.0010	.0006	.0013	.0015	.0038	.0000	.0000	.000	.0006	.0003
%RSD	302.2	19.40	860.6	855.9	713.1	7.962	22.09	864.8	32.07	60.61
#1	.0004	.0026	-.0011	-.0009	-.0032	.0005	.0002	.0001	.0024	.0006
#2	-.0010	.0035	.0008	.0012	.0022	.0005	.0002	-.0001	.0015	.0002

Elem	W_2397	Zn2062	Zr3391
Avg	.0010	.0000	.0002
Stddev	.0056	.0002	.0002
%RSD	536.6	1190.	126.9
#1	-.0029	-.0001	.0003
#2	.0050	.0001	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2236.3	65399.	11084.
Stddev	2.5	119.	76.
%RSD	.11198	.18135	.68883
#1	2238.1	65483.	11030.
#2	2234.6	65316.	11138.

Zoom In Zoom Out

Sample Name: MC23749-1 Acquired: 8/28/2013 16:49:35 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	86.02	.0273	.0007	.0579	.7059	.0036	380.7	.0028	.1925
Stddev	.0005	.30	.0001	.0005	.0002	.0012	.0001	.9	.0001	.0002
%RSD	255.5	.3486	.2935	76.75	.2752	.1638	2.170	.2464	4.378	.0794
#1	-.0005	86.23	.0274	.0011	.0580	.7067	.0035	381.4	.0028	.1924
#2	.0002	85.81	.0273	.0003	.0578	.7051	.0037	380.0	.0027	.1926

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1665	.3903	112.2	15.36	43.68	2.016	.0068	3.021	.1215	2.283
Stddev	.0006	.0001	.5	.17	.20	.007	.0001	.050	.0005	.001
%RSD	.3546	.0263	.4744	1.089	.4584	.3519	1.053	1.643	.4356	.0371
#1	.1669	.3904	112.6	15.24	43.54	2.011	.0069	2.986	.1212	2.283
#2	.1660	.3902	111.8	15.48	43.82	2.021	.0068	3.056	.1219	2.284

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0195	.0015	.0002	.0018	2.671	.0288	1.129	4.652	-.0007	.1875
Stddev	.0017	.0009	.0008	.0012	.002	.0001	.003	.007	.0008	.0003
%RSD	8.722	61.90	342.0	70.42	.0805	.3149	.3050	.1409	126.5	.1413
#1	-.0183	.0021	-.0003	.0026	2.669	.0287	1.131	4.647	-.0001	.1876
#2	-.0207	.0008	.0008	.0009	2.672	.0289	1.126	4.656	-.0012	.1873

Elem	W_2397	Zn2062	Zr3391
Avg	.0833	.9724	.0205
Stddev	.0019	.0007	.0001
%RSD	2.327	.0705	.6165
#1	.0846	.9719	.0204
#2	.0819	.9729	.0205

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2278.0	67984.	11774.
Stddev	.2	531.	110.
%RSD	.00748	.78101	.93438
#1	2277.9	68359.	11696.
#2	2278.1	67608.	11851.

Zoom In Zoom Out

Sample Name: MC23823-1 Acquired: 8/28/2013 16:53:56 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0006	76.46	.0684	.0001	.0663	1.503	.0042	F665.6	.0052
Stddev	.0003	.00	.0009	.0007	.0007	.001	.0001	7.0	.0002
%RSD	43.16	.0057	1.380	593.2	1.024	.0419	1.486	1.050	3.443
#1	.0004	76.46	.0677	.0006	.0658	1.503	.0043	670.6	.0051
#2	.0008	76.45	.0691	-.0004	.0667	1.504	.0042	660.7	.0053

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0578	.1275	.1221	113.6	16.03	86.27	4.513	.0085	4.209
Stddev	.0003	.0008	.0010	.2	.26	.18	.005	.0001	.005
%RSD	.5106	.5994	.8058	.1912	1.634	.2105	.1151	1.370	.1263
#1	.0576	.1270	.1214	113.8	16.21	86.39	4.510	.0086	4.205
#2	.0580	.1280	.1228	113.5	15.84	86.14	4.517	.0084	4.213

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.1522	.4101	-.0368	.0146	.0038	.0041	4.106	.0081	1.640
Stddev	.0001	.0034	.0024	.0010	.0008	.0011	.003	.0003	.001
%RSD	.0528	.8296	6.586	6.941	22.03	27.85	.0616	3.480	.0444
#1	.1521	.4077	-.0351	.0153	.0044	.0033	4.105	.0079	1.640
#2	.1522	.4125	-.0385	.0139	.0032	.0049	4.108	.0083	1.641

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.450	-.0003	.2161	-.0034	.6787	.0661
Stddev	.000	.0003	.0066	.0014	.0001	.0019
%RSD	.0154	101.1	3.066	42.46	.0217	2.913
#1	1.450	-.0001	.2114	-.0044	.6786	.0648
#2	1.450	-.0006	.2208	-.0024	.6788	.0675

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2293.9	68670.	12218.
Stddev	.7	86.	115.
%RSD	.03009	.12467	.93903
#1	2293.4	68730.	12137.
#2	2294.4	68609.	12300.

Zoom In Zoom Out

Sample Name: MC23823-2 Acquired: 8/28/2013 16:58:21 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	115.3	.1010	-.0001	.0669	2.495	.0060	175.3	.0051	.0886
Stddev	.0002	.6	.0007	.0012	.0004	.014	.0000	.9	.0001	.0001
%RSD	83.10	.4937	.6812	896.4	.5306	.5523	.3343	.5360	1.668	.1205
#1	-.0004	114.9	.1006	.0007	.0672	2.486	.0060	174.6	.0050	.0886
#2	-.0001	115.7	.1015	-.0010	.0667	2.505	.0060	175.9	.0051	.0887

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1672	.1738	179.9	17.81	100.6	5.133	.0094	1.211	.2073	.1427
Stddev	.0009	.0008	.9	.11	.5	.013	.0003	.002	.0004	.0011
%RSD	.5638	.4530	.4798	.6154	.5118	.2560	3.142	.1356	.1779	.8036
#1	.1665	.1743	179.3	17.73	100.3	5.142	.0092	1.213	.2075	.1419
#2	.1678	.1732	180.5	17.89	101.0	5.123	.0096	1.210	.2070	.1436

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0058	.0158	.0036	.0004	3.874	.0054	.3410	2.278	-.0010	.3432
Stddev	.0004	.0040	.0011	.0006	.008	.0002	.0022	.003	.0005	.0018
%RSD	6.457	25.15	29.27	139.3	.2081	3.245	.6342	.1185	46.62	.5184
#1	-.0061	.0130	.0044	.0009	3.879	.0055	.3395	2.277	-.0014	.3444
#2	-.0056	.0186	.0029	.0000	3.868	.0053	.3425	2.280	-.0007	.3419

Elem	W_2397	Zn2062	Zr3391
Avg	-.0104	.5958	.1036
Stddev	.0030	.0003	.0002
%RSD	29.15	.0437	.2327
#1	-.0083	.5956	.1034
#2	-.0125	.5960	.1037

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2468.4	74014.	12805.
Stddev	4.4	34.	86.
%RSD	.17909	.04537	.67412
#1	2471.6	73990.	12866.
#2	2465.3	74037.	12744.

Zoom In Zoom Out

Sample Name: MC23823-3 Acquired: 8/28/2013 17:02:41 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	121.0	.0967	.0015	.0793	2.801	.0062	195.4	.0059	.0906
Stddev	.0008	.5	.0011	.0015	.0001	.005	.0001	4.1	.0002	.0001
%RSD	289.2	.4008	1.151	103.0	.0926	.1635	.9620	2.102	3.504	.1493
#1	.0008	121.4	.0974	.0025	.0792	2.805	.0061	198.3	.0058	.0905
#2	-.0003	120.7	.0959	.0004	.0793	2.798	.0062	192.5	.0061	.0906

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1705	.1716	174.6	17.32	95.06	6.357	.0087	1.206	.2194	.1610
Stddev	.0012	.0016	.7	.04	.67	.004	.0002	.018	.0004	.0006
%RSD	.6784	.9085	.3850	.2140	.7038	.0555	2.159	1.482	.1764	.3589
#1	.1713	.1727	175.1	17.29	95.53	6.355	.0089	1.219	.2197	.1606
#2	.1696	.1705	174.1	17.34	94.58	6.360	.0086	1.194	.2191	.1614

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0059	.0225	.0040	.0039	3.594	.0053	.3942	2.366	-.0013	.3591
Stddev	.0004	.0018	.0005	.0024	.001	.0003	.0009	.003	.0013	.0056
%RSD	7.088	7.842	13.43	61.48	.0347	5.135	.2268	.1435	97.26	1.549
#1	-.0062	.0212	.0036	.0022	3.595	.0051	.3948	2.363	-.0023	.3630
#2	-.0056	.0237	.0043	.0055	3.593	.0054	.3936	2.368	-.0004	.3552

Elem	W_2397	Zn2062	Zr3391
Avg	-.0129	.5938	.1188
Stddev	.0002	.0002	.0020
%RSD	1.872	.0299	1.701
#1	-.0127	.5940	.1203
#2	-.0131	.5937	.1174

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2470.5	73410.	12614.
Stddev	9.7	195.	96.
%RSD	.39414	.26629	.75930
#1	2463.6	73548.	12546.
#2	2477.3	73271.	12682.

Zoom In Zoom Out

Sample Name: MC23866-1 Acquired: 8/28/2013 17:07:06 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	92.52	.0793	.0010	.0027	.2664	.0044	5.415	.0009	.0569
Stddev	.0001	.37	.0005	.0002	.0003	.0013	.0000	.002	.0000	.0010
%RSD	35.21	.3962	.6059	18.27	12.06	.4769	.7720	.0405	1.598	1.742
#1	-.0003	92.78	.0789	.0011	.0029	.2673	.0044	5.417	.0009	.0562
#2	-.0005	92.26	.0796	.0009	.0024	.2655	.0044	5.413	.0009	.0576

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1340	.1093	99.56	8.606	21.51	2.199	.0032	.6113	.0939	.0665
Stddev	.0021	.0015	.34	.011	.01	.002	.0001	.0042	.0016	.0016
%RSD	1.568	1.392	.3375	.1226	.0466	.1055	2.573	.6874	1.733	2.377
#1	.1355	.1104	99.79	8.613	21.50	2.201	.0033	.6143	.0927	.0654
#2	.1325	.1082	99.32	8.598	21.51	2.197	.0032	.6083	.0950	.0676

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0059	.0010	-.0002	.0021	5.700	.0000	.0299	3.872	-.0017	.1562
Stddev	.0005	.0005	.0007	.0000	.022	.0003	.0002	.001	.0000	.0041
%RSD	7.928	51.63	394.3	2.334	.3787	1098.	.7877	.0302	2.313	2.628
#1	.0055	.0014	.0003	.0020	5.685	.0002	.0297	3.872	-.0016	.1591
#2	.0062	.0007	-.0007	.0021	5.715	-.0002	.0300	3.871	-.0017	.1533

Elem	W_2397	Zn2062	Zr3391
Avg	-.0045	.2008	.0312
Stddev	.0030	.0017	.0012
%RSD	65.76	.8398	3.846
#1	-.0024	.1996	.0320
#2	-.0067	.2020	.0303

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2346.7	69073.	11763.
Stddev	18.6	28.	78.
%RSD	.79062	.04060	.66706
#1	2359.8	69053.	11708.
#2	2333.5	69093.	11819.

Zoom In Zoom Out

Sample Name: MC23866-2 Acquired: 8/28/2013 17:11:23 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	75.01	.0536	.0016	.0021	.2699	.0035	6.455	.0007	.0359
Stddev	.0001	.12	.0002	.0006	.0000	.0002	.0000	.028	.0001	.0001
%RSD	11.83	.1549	.3119	35.92	1.140	.0748	1.298	.4326	14.77	.1517
#1	-.0008	74.93	.0537	.0021	.0020	.2701	.0035	6.435	.0007	.0359
#2	-.0007	75.09	.0535	.0012	.0021	.2698	.0035	6.475	.0006	.0360

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1210	.0849	84.82	10.41	19.44	1.073	.0025	.7207	.0780	.0434
Stddev	.0010	.0008	.35	.01	.08	.003	.0000	.0032	.0001	.0004
%RSD	.7898	.9651	.4126	.1302	.4112	.2449	1.439	.4488	.1384	.9683
#1	.1217	.0855	84.57	10.40	19.38	1.072	.0025	.7230	.0779	.0437
#2	.1203	.0843	85.06	10.42	19.49	1.075	.0025	.7184	.0781	.0431

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0055	.0010	.0002	.0024	5.613	.0002	.0312	3.546	-.0017	.1181
Stddev	.0010	.0025	.0002	.0013	.016	.0001	.0001	.010	.0012	.0014
%RSD	17.32	263.1	100.2	51.95	.2800	61.39	.4398	.2749	73.89	1.193
#1	.0048	.0028	.0001	.0033	5.602	.0003	.0313	3.539	-.0008	.1191
#2	.0062	-.0008	.0004	.0015	5.625	.0001	.0311	3.553	-.0025	.1171

Elem	W_2397	Zn2062	Zr3391
Avg	-.0037	.1634	.0221
Stddev	.0088	.0000	.0004
%RSD	237.0	.0010	1.983
#1	-.0099	.1634	.0224
#2	.0025	.1634	.0218

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2335.4	68199.	11594.
Stddev	3.4	64.	58.
%RSD	.14441	.09312	.49821
#1	2333.0	68154.	11635.
#2	2337.7	68244.	11554.

Zoom In Zoom Out

Sample Name: MP21551-S1 Acquired: 8/28/2013 17:15:39 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1697	156.0	.5085	.0015	.1447	2.305	.4251	360.6	.4225	.5177
Stddev	.0000	.2	.0030	.0002	.0006	.004	.0003	.4	.0005	.0010
%RSD	.0208	.1103	.5971	12.08	.4297	.1688	.0746	.1055	.1193	.2012
#1	.1697	156.1	.5063	.0014	.1452	2.308	.4253	360.9	.4221	.5170
#2	.1696	155.9	.5106	.0016	.1443	2.302	.4249	360.3	.4228	.5185

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6307	.6570	230.4	48.77	165.1	4.459	.0079	21.34	.6346	.8978
Stddev	.0028	.0022	.1	.03	.3	.021	.0001	.02	.0007	.0016
%RSD	.4463	.3355	.0427	.0668	.1756	.4720	1.506	.1052	.1069	.1742
#1	.6288	.6555	230.5	48.79	165.3	4.444	.0078	21.33	.6342	.8989
#2	.6327	.6586	230.3	48.74	164.9	4.473	.0080	21.36	.6351	.8967

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0186	.0184	.1658	.4000	3.523	.0042	.8421	1.567	.3968	.6812
Stddev	.0022	.0048	.0023	.0029	.000	.0003	.0006	.006	.0012	.0126
%RSD	11.75	26.19	1.363	.7308	.0109	6.854	.0771	.3736	.3011	1.850
#1	-.0201	.0218	.1642	.3980	3.523	.0040	.8426	1.563	.3959	.6723
#2	-.0170	.0150	.1674	.4021	3.522	.0045	.8417	1.572	.3976	.6901

Elem	W_2397	Zn2062	Zr3391
Avg	-.0143	.9109	.0728
Stddev	.0098	.0001	.0014
%RSD	68.38	.0060	1.985
#1	-.0212	.9109	.0718
#2	-.0074	.9109	.0738

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2490.4	73764.	12685.
Stddev	4.8	647.	28.
%RSD	.19361	.87688	.22315
#1	2493.9	74221.	12665.
#2	2487.0	73307.	12705.

Zoom In Zoom Out

Sample Name: MP21551-S2 Acquired: 8/28/2013 17:19:51 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1705	159.0	.5086	.0024	.1511	2.325	.4279	400.1	.4233	.5117
Stddev	.0007	.0	.0033	.0013	.0010	.001	.0003	4.9	.0004	.0012
%RSD	.3873	.0010	.6398	53.84	.6298	.0462	.0664	1.222	.0851	.2383
#1	.1701	159.0	.5063	.0034	.1505	2.326	.4281	396.6	.4235	.5126
#2	.1710	159.0	.5109	.0015	.1518	2.324	.4277	403.5	.4230	.5109

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6440	.6435	228.4	50.35	176.6	4.566	.0081	21.52	.6341	.8974
Stddev	.0086	.0035	.2	.06	.5	.007	.0002	.03	.0003	.0004
%RSD	1.339	.5422	.0685	.1148	.2613	.1641	3.053	.1359	.0511	.0416
#1	.6501	.6459	228.3	50.39	176.2	4.571	.0083	21.54	.6343	.8977
#2	.6379	.6410	228.5	50.31	176.9	4.560	.0079	21.50	.6339	.8972

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0160	.0085	.1590	.4008	3.115	.0045	.8592	1.562	.3986	.6740
Stddev	.0001	.0031	.0013	.0008	.006	.0003	.0005	.002	.0017	.0062
%RSD	.3381	37.17	.7938	.2082	.1862	5.994	.0594	.1116	.4286	.9252
#1	-.0159	.0107	.1599	.4014	3.119	.0043	.8595	1.563	.3974	.6784
#2	-.0160	.0062	.1581	.4002	3.111	.0047	.8588	1.561	.3998	.6696

Elem	W_2397	Zn2062	Zr3391
Avg	-.0165	.9094	.0706
Stddev	.0065	.0032	.0003
%RSD	39.14	.3555	.3636
#1	-.0211	.9117	.0708
#2	-.0119	.9071	.0704

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2499.5	74217.	12769.
Stddev	5.3	23.	82.
%RSD	.21157	.03068	.64550
#1	2495.7	74201.	12827.
#2	2503.2	74233.	12711.

Zoom In Zoom Out

Sample Name: MC23744-28 Acquired: 8/28/2013 17:24:10 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	151.9	.0738	.0039	.1432	.7042	.0092	633.7	.0039	.1030
Stddev	.0007	.4	.0013	.0044	.0017	.0031	.0002	2.5	.0000	.0000
%RSD	200.1	.2779	1.782	113.1	1.188	.4449	1.714	.3919	.4054	.0461
#1	.0008	151.6	.0729	.0070	.1420	.7020	.0090	631.9	.0039	.1030
#2	-.0001	152.2	.0747	.0008	.1444	.7064	.0093	635.4	.0038	.1030

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2025	.2350	223.3	30.81	175.0	4.537	.0077	.9342	.2449	.1139
Stddev	.0011	.0031	.9	.12	1.2	.001	.0001	.0151	.0010	.0003
%RSD	.5580	1.326	.4106	.3886	.7099	.0194	1.809	1.613	.4251	.2573
#1	.2033	.2373	222.6	30.90	174.1	4.536	.0076	.9449	.2441	.1137
#2	.2017	.2328	223.9	30.73	175.9	4.537	.0078	.9235	.2456	.1141

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0297	.0145	.0021	.0028	3.936	.0044	.5161	1.400	.0013	.2521
Stddev	.0020	.0046	.0010	.0013	.003	.0003	.0008	.004	.0014	.0044
%RSD	6.742	31.90	48.30	46.65	.0677	7.101	.1466	.2508	110.3	1.728
#1	-.0311	.0112	.0028	.0037	3.934	.0042	.5155	1.398	.0003	.2552
#2	-.0283	.0178	.0014	.0019	3.938	.0047	.5166	1.402	.0022	.2490

Elem	W_2397	Zn2062	Zr3391
Avg	-.0137	.4921	.0595
Stddev	.0108	.0001	.0001
%RSD	78.81	.0181	.0846
#1	-.0061	.4921	.0594
#2	-.0214	.4920	.0595

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2459.8	72775.	12721.
Stddev	1.5	7.	128.
%RSD	.06216	.00913	1.0039
#1	2458.7	72780.	12811.
#2	2460.8	72770.	12631.

Zoom In Zoom Out

Sample Name: MP21551-SD1 Acquired: 8/28/2013 17:28:30 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0045	171.8	.0878	-.0020	.1632	.8081	.0104	748.5	.0044	.1183
Stddev	.0045	.5	.0009	.0104	.0038	.0015	.0006	.3	.0011	.0029
%RSD	100.0	.2851	1.057	530.0	2.326	.1885	5.332	.0383	24.87	2.461
#1	.0077	171.5	.0885	.0054	.1605	.8070	.0108	748.3	.0052	.1163
#2	.0013	172.1	.0872	-.0093	.1659	.8092	.0101	748.7	.0037	.1204

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2359	.2590	262.9	34.42	205.2	5.257	.0095	.9309	.2870	.1343
Stddev	.0043	.0037	.0	.36	1.1	.007	.0001	.0546	.0027	.0066
%RSD	1.807	1.419	.0134	1.059	.5409	.1395	1.091	5.869	.9409	4.890
#1	.2389	.2564	262.9	34.68	206.0	5.251	.0094	.9696	.2851	.1390
#2	.2329	.2616	262.8	34.16	204.4	5.262	.0096	.8923	.2889	.1297

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0359	.0440	.0040	.0111	4.434	.0020	.6016	1.640	.0066	.2904
Stddev	.0095	.0000	.0143	.0085	.014	.0023	.0045	.020	.0038	.0093
%RSD	26.37	.1033	359.6	77.00	.3238	114.6	.7416	1.186	57.89	3.208
#1	-.0292	.0440	.0140	.0050	4.444	.0037	.6048	1.654	.0039	.2970
#2	-.0426	.0440	-.0061	.0171	4.424	.0004	.5984	1.627	.0093	.2838

Elem	W_2397	Zn2062	Zr3391
Avg	-.0436	.5986	.0698
Stddev	.0146	.0055	.0031
%RSD	33.38	.9179	4.453
#1	-.0333	.5947	.0720
#2	-.0539	.6025	.0676

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2290.3	67373.	11414.
Stddev	3.1	93.	47.
%RSD	.13695	.13747	.40879
#1	2288.1	67439.	11447.
#2	2292.5	67308.	11381.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/28/2013 17:32:49 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2482	9.930	1.954	-.0019	1.949	1.958	1.986	9.952	1.950	2.030
Stddev	.0015	.014	.001	.0012	.003	.001	.001	.024	.002	.003
%RSD	.6025	.1439	.0370	63.72	.1759	.0368	.0505	.2422	.1243	.1571
#1	.2492	9.940	1.955	-.0027	1.947	1.957	1.987	9.935	1.952	2.032
#2	.2471	9.920	1.954	-.0010	1.951	1.958	1.986	9.969	1.948	2.028

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.955	1.954	9.908	9.619	9.858	1.959	1.946	9.771	1.921	1.906
Stddev	.002	.003	.017	.016	.046	.001	.000	.023	.001	.003
%RSD	.0968	.1506	.1690	.1707	.4665	.0660	.0025	.2399	.0349	.1648
#1	1.956	1.952	9.896	9.631	9.890	1.958	1.946	9.754	1.922	1.909
#2	1.954	1.956	9.920	9.608	9.825	1.960	1.946	9.788	1.921	1.904

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0009	.0078	1.955	1.961	.0997	1.956	2.010	1.959	1.945	1.966
Stddev	.0015	.0059	.001	.002	.0017	.003	.001	.000	.001	.001
%RSD	162.2	75.95	.0400	.0978	1.687	.1548	.0364	.0195	.0306	.0651
#1	-.0001	.0119	1.954	1.959	.1009	1.958	2.010	1.959	1.945	1.965
#2	.0019	.0036	1.955	1.962	.0986	1.953	2.009	1.959	1.946	1.967

Elem	W_2397	Zn2062	Zr3391
Avg	-.0101	1.920	.0025
Stddev	.0010	.003	.0004
%RSD	10.17	.1598	15.78
#1	-.0108	1.922	.0028
#2	-.0093	1.918	.0022

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2252.4	65920.	11174.
Stddev	.5	8.	21.
%RSD	.02293	.01163	.18721
#1	2252.0	65914.	11189.
#2	2252.8	65925.	11160.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/28/2013 17:37:02 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0007	-.0048	.0004	.0005	.0016	.0000	.0000	.0013	.0001	.0000
Stddev	.0002	.0025	.0001	.0020	.0001	.0002	.0000	.0015	.0001	.000
%RSD	24.48	51.40	34.42	400.8	5.145	3981.	17.49	115.5	95.45	1279.
#1	.0006	-.0066	.0005	.0019	.0016	-.0001	.0000	.0002	.0001	-.0001
#2	.0009	-.0031	.0003	-.0009	.0017	.0002	.0000	.0024	.0000	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	.0002	.0018	-.1362	-.0007	.0001	.0013	-.0094	.0001	.0004
Stddev	.000	.0002	.0005	.0024	.0061	.0001	.0004	.0019	.0000	.0003
%RSD	2951.	103.6	26.37	1.756	850.5	50.73	29.36	20.11	44.95	78.64
#1	-.0002	.0003	.0015	-.1379	.0036	.0002	.0016	-.0108	.0001	.0006
#2	.0002	.0000	.0022	-.1345	-.0050	.0001	.0010	-.0081	.0000	.0002

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0001	-.0013	.0006	.0001	-.0003	.0004	.0001	-.0001	.0013	-.0001
Stddev	.0012	.0032	.0002	.0011	.0042	.0001	.0000	.0000	.0001	.0006
%RSD	791.2	250.5	42.40	855.1	1425.	31.32	36.62	36.69	6.588	762.2
#1	.0010	-.0036	.0004	.0009	-.0033	.0003	.0001	-.0001	.0012	-.0005
#2	-.0007	.0010	.0007	-.0007	.0027	.0005	.0001	-.0002	.0013	.0003

Elem	W_2397	Zn2062	Zr3391
Avg	.0000	.0004	.0001
Stddev	.003	.0000	.0000
%RSD	7903.	12.12	19.36
#1	-.0019	.0004	.0001
#2	.0018	.0004	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2248.3	65759.	11488.
Stddev	5.5	169.	49.
%RSD	.24302	.25710	.42750
#1	2252.2	65878.	11522.
#2	2244.4	65639.	11453.

Zoom In Zoom Out

Sample Name: MC23744-16 Acquired: 8/28/2013 17:41:23 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0019	101.1	.0650	-.0043	.0850	.5646	.0052	718.6	.0025	.0951
Stddev	.0011	.4	.0032	.0003	.0001	.0029	.0003	3.6	.0008	.0001
%RSD	59.41	.4342	4.851	7.104	.1362	.5083	6.417	.5012	29.66	.0534
#1	.0027	101.4	.0673	-.0041	.0849	.5667	.0054	721.2	.0020	.0951
#2	.0011	100.8	.0628	-.0045	.0850	.5626	.0050	716.1	.0031	.0951

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1462	.1942	172.7	14.28	84.32	6.473	.0106	.6985	.1832	.0823
Stddev	.0010	.0001	.8	.02	.56	.016	.0012	.0345	.0014	.0063
%RSD	.7058	.0365	.4864	.1654	.6582	.2516	11.75	4.939	.7568	7.613
#1	.1455	.1941	173.3	14.26	84.71	6.485	.0097	.6741	.1823	.0779
#2	.1469	.1942	172.1	14.29	83.93	6.462	.0114	.7229	.1842	.0867

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0407	.0137	.0028	.0060	3.310	.0019	.7337	1.191	.0050	.1952
Stddev	.0038	.0335	.0055	.0039	.006	.0011	.0012	.009	.0004	.0002
%RSD	9.423	245.1	200.6	64.45	.1891	57.95	.1592	.7155	7.103	.1103
#1	-.0380	-.0100	.0067	.0087	3.314	.0027	.7329	1.197	.0053	.1951
#2	-.0435	.0374	-.0012	.0033	3.305	.0011	.7345	1.185	.0048	.1954

Elem	W_2397	Zn2062	Zr3391
Avg	.0026	.3881	.0247
Stddev	.0112	.0027	.0001
%RSD	432.2	.7049	.3228
#1	-.0053	.3862	.0246
#2	.0105	.3901	.0247

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2258.0	66683.	11487.
Stddev	2.5	155.	92.
%RSD	.11259	.23247	.80326
#1	2259.8	66574.	11422.
#2	2256.2	66793.	11552.

Zoom In Zoom Out

Sample Name: RINSECONF Acquired: 8/28/2013 17:45:41 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0030	.0007	-.0004	.0002	-.0002	.0000	.0113	.0000	.0001
Stddev	.0002	.0017	.0003	.0002	.0002	.0001	.000	.0017	.000	.0001
%RSD	71.04	55.96	40.99	59.32	78.19	73.28	194.8	15.12	19.77	75.94
#1	.0001	.0042	.0005	-.0002	.0004	-.0001	.0000	.0125	.0000	.0001
#2	.0003	.0018	.0009	-.0005	.0001	-.0003	-.0001	.0101	.0000	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0002	.0109	-.1331	-.0141	.0000	.0001	-.0176	-.0002	-.0007
Stddev	.0002	.0001	.0015	.0216	.0014	.0001	.0001	.0091	.0001	.0003
%RSD	138.6	64.06	13.37	16.26	9.749	646.3	44.82	51.82	40.73	45.95
#1	.0000	.0002	.0120	-.1485	-.0150	-.0001	.0001	-.0111	-.0003	-.0009
#2	-.0003	.0001	.0099	-.1178	-.0131	.0001	.0002	-.0240	-.0002	-.0005

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0004	.0016	.0006	-.0001	.0105	.0000	-.0001	-.0001	.0012	.0005
Stddev	.0005	.0025	.0003	.0017	.0001	.0002	.0000	.0002	.0001	.0006
%RSD	144.9	153.3	52.00	2120.	1.339	723.7	13.75	324.0	7.833	119.6
#1	.0008	.0033	.0008	-.0013	.0104	-.0001	.0000	.0001	.0012	.0001
#2	.0000	-.0001	.0004	.0011	.0106	.0002	-.0001	-.0002	.0011	.0009

Elem	W_2397	Zn2062	Zr3391
Avg	.0041	.0001	.0001
Stddev	.0019	.0001	.0003
%RSD	45.85	97.74	260.1
#1	.0028	.0000	-.0001
#2	.0055	.0002	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2234.9	65808.	11500.
Stddev	6.9	89.	216.
%RSD	.31021	.13452	1.8754
#1	2239.9	65745.	11347.
#2	2230.0	65870.	11652.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 8/28/2013 17:50:02 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0051	.2224	.0106	-.0004	.1011	.0516	.0042	5.056	.0042	.0524
Stddev	.0000	.0071	.0011	.0009	.0009	.0003	.0001	.030	.0000	.0001
%RSD	.5589	3.193	10.21	191.0	.8568	.5848	2.284	.5912	.3166	.1086
#1	.0051	.2274	.0114	.0002	.1005	.0514	.0041	5.035	.0042	.0524
#2	.0051	.2173	.0098	-.0011	.1017	.0518	.0043	5.077	.0042	.0525

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0099	.0250	.1031	4.837	4.934	.0158	.1012	4.979	.0399	.0102
Stddev	.0001	.0007	.0010	.003	.022	.0001	.0000	.003	.0001	.0000
%RSD	.9915	2.859	1.011	.0546	.4523	.5651	.0323	.0545	.3145	.2286
#1	.0099	.0245	.1039	4.835	4.919	.0157	.1011	4.977	.0398	.0101
#2	.0100	.0255	.1024	4.839	4.950	.0159	.1012	4.981	.0400	.0102

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0003	.0032	.0106	.0100	.0004	.0996	.0104	.0522	.0112	.0106
Stddev	.0013	.0009	.0000	.0013	.0002	.0000	.0001	.0008	.0007	.0008
%RSD	470.2	27.62	.4465	13.51	48.77	.0285	1.307	1.443	6.530	7.364
#1	.0006	.0026	.0106	.0109	.0005	.0996	.0103	.0527	.0107	.0112
#2	-.0012	.0039	.0107	.0090	.0003	.0996	.0105	.0516	.0117	.0101

Elem	W_2397	Zn2062	Zr3391
Avg	-.0009	.0205	.0004
Stddev	.0032	.0000	.0000
%RSD	348.7	.0184	11.36
#1	.0013	.0205	.0004
#2	-.0031	.0205	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2233.6	65748.	11113.
Stddev	8.9	394.	82.
%RSD	.39674	.59994	.73365
#1	2227.3	66027.	11170.
#2	2239.9	65469.	11055.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 8/28/2013 17:54:21 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	504.3	-.0003	.0062	.0013	-.0008	.0001	443.3	.0004	.0011
Stddev	.0006	2.0	.0011	.0002	.0008	.0002	.0000	5.7	.0003	.0001
%RSD	110.5	.3900	329.9	2.561	57.06	27.80	44.42	1.295	74.89	6.168
#1	.0001	505.7	.0004	.0061	.0008	-.0006	.0001	447.4	.0006	.0012
#2	.0010	502.9	-.0011	.0063	.0019	-.0009	.0000	439.3	.0002	.0011

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0008	.0006	179.8	-.0347	484.6	-.0002	-.0008	.0722	-.0009	-.0011
Stddev	.0002	.0003	.4	.0109	1.5	.0001	.0003	.0043	.0000	.0001
%RSD	22.09	49.63	.2267	31.51	.3180	55.94	34.45	5.935	1.615	12.14
#1	.0006	.0004	179.5	-.0425	483.5	-.0001	-.0010	.0691	-.0009	-.0012
#2	.0009	.0008	180.1	-.0270	485.7	-.0002	-.0006	.0752	-.0010	-.0010

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0346	-.0129	.0001	-.0036	.0386	.0001	.0013	.0086	.0000	.0000
Stddev	.0003	.0034	.0003	.0025	.0002	.0002	.0001	.0005	.0008	.0006
%RSD	.7921	26.73	204.3	71.30	.5495	191.7	7.214	5.494	3377.	2711.
#1	-.0348	-.0104	.0004	-.0018	.0385	.0003	.0013	.0090	-.0006	.0004
#2	-.0344	-.0153	-.0001	-.0053	.0388	.0000	.0014	.0083	.0006	-.0004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0400	-.0013	.0004
Stddev	.0014	.0002	.0000
%RSD	3.559	12.33	2.796
#1	-.0390	-.0014	.0005
#2	-.0410	-.0012	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2049.1	60396.	11043.
Stddev	1.7	509.	16.
%RSD	.08403	.84302	.14306
#1	2050.3	60036.	11054.
#2	2047.9	60756.	11032.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 8/28/2013 17:58:49 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.043	528.1	2.019	.4844	.9940	.5031	.4677	446.2	1.018	.4768
Stddev	.003	1.2	.001	.0007	.0004	.0006	.0002	4.0	.000	.0007
%RSD	.2682	.2230	.0578	.1426	.0398	.1139	.0505	.8887	.0188	.1424
#1	1.041	527.2	2.018	.4839	.9937	.5026	.4679	443.4	1.018	.4773
#2	1.045	528.9	2.019	.4849	.9943	.5035	.4675	449.0	1.017	.4763

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4803	.5062	183.7	-.0200	491.5	.4838	.9544	.0849	.8677	.8902
Stddev	.0004	.0002	.5	.0164	1.9	.0001	.0006	.0062	.0012	.0010
%RSD	.0822	.0306	.2674	81.71	.3914	.0236	.0621	7.248	.1414	.1139
#1	.4800	.5061	183.4	-.0316	490.2	.4837	.9540	.0893	.8686	.8909
#2	.4806	.5063	184.1	-.0085	492.9	.4839	.9548	.0806	.8668	.8895

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.4926	.4701	2.056	2.016	1.789	.9699	.9889	.5015	1.873	.4957
Stddev	.0008	.0000	.001	.001	.001	.0001	.0015	.0004	.003	.0010
%RSD	.1594	.0099	.0370	.0649	.0653	.0109	.1557	.0829	.1817	.1936
#1	.4920	.4701	2.056	2.015	1.790	.9700	.9878	.5012	1.876	.4964
#2	.4931	.4702	2.055	2.017	1.788	.9698	.9899	.5018	1.871	.4950

Elem	W_2397	Zn2062	Zr3391
Avg	1.825	.8942	.4329
Stddev	.014	.0011	.0036
%RSD	.7881	.1224	.8208
#1	1.815	.8949	.4304
#2	1.835	.8934	.4354

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2047.2	61155.	10947.
Stddev	.8	22.	77.
%RSD	.03843	.03655	.70598
#1	2047.8	61139.	11002.
#2	2046.7	61171.	10893.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/28/2013 18:03:11 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2498	9.799	1.954	-.0008	1.959	1.928	1.950	9.791	1.962	2.038
Stddev	.0022	.043	.006	.0000	.004	.009	.007	.028	.002	.003
%RSD	.8671	.4394	.3317	.8303	.2149	.4545	.3823	.2904	.1056	.1286
#1	.2513	9.769	1.949	-.0008	1.956	1.922	1.944	9.771	1.961	2.036
#2	.2483	9.830	1.958	-.0008	1.962	1.935	1.955	9.811	1.964	2.040

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.957	1.961	9.720	9.402	9.740	1.962	1.954	9.599	1.932	1.914
Stddev	.006	.005	.029	.069	.025	.007	.002	.039	.003	.005
%RSD	.2855	.2751	.2958	.7345	.2620	.3652	.1196	.4093	.1738	.2531
#1	1.961	1.965	9.700	9.353	9.722	1.968	1.952	9.571	1.930	1.910
#2	1.953	1.957	9.741	9.451	9.758	1.957	1.955	9.627	1.935	1.917

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0008	.0064	1.964	1.957	.0903	1.965	1.972	1.963	1.952	1.965
Stddev	.0023	.0015	.001	.001	.0009	.004	.007	.006	.001	.008
%RSD	274.0	22.71	.0704	.0256	.9453	.2269	.3419	.3211	.0400	.4166
#1	-.0008	.0075	1.963	1.958	.0909	1.962	1.967	1.967	1.953	1.971
#2	.0024	.0054	1.965	1.957	.0896	1.968	1.976	1.959	1.951	1.960

Elem	W_2397	Zn2062	Zr3391
Avg	-.0015	1.926	.0083
Stddev	.0005	.003	.0022
%RSD	37.36	.1628	26.44
#1	-.0011	1.923	.0098
#2	-.0019	1.928	.0067

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2232.5	65839.	11334.
Stddev	2.3	407.	133.
%RSD	.10373	.61805	1.1743
#1	2234.1	65551.	11428.
#2	2230.8	66127.	11240.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/28/2013 18:07:23 Type: Unk
Method: Accutest -SS2(v49) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0005	.0067	.0011	-.0002	.0013	.0001	.0000	.0098	.0000
Stddev	.0001	.0021	.0007	.0000	.0008	.0001	.0001	.0012	.0001
%RSD	16.76	30.89	66.18	20.47	66.29	100.8	195.8	11.89	536.7
#1	.0004	.0053	.0016	-.0003	.0007	.0002	.0001	.0090	-.0001
#2	.0006	.0082	.0006	-.0002	.0019	.0000	.0000	.0107	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	-.0002	.0000	.0077	-.1376	-.0070	.0001	.0016	-.0089
Stddev	.0000	.0003	.000	.0010	.0167	.0013	.0000	.0003	.0022
%RSD	11.16	113.1	1218.	13.45	12.11	18.97	5.097	20.92	24.15
#1	.0002	-.0004	-.0002	.0070	-.1494	-.0060	.0001	.0018	-.0105
#2	.0002	.0000	.0002	.0085	-.1258	-.0079	.0001	.0013	-.0074

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0000	.0003	.0004	.0002	.0000	-.0006	.0087	.0002	.0001
Stddev	.0000	.0009	.0006	.0031	.001	.0005	.0022	.0002	.0000
%RSD	90.52	282.3	151.6	1387.	1766.	84.44	25.89	89.70	15.60
#1	.0001	.0009	.0000	-.0020	-.0006	-.0010	.0071	.0001	.0001
#2	.0000	-.0003	.0008	.0024	.0005	-.0003	.0102	.0004	.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0003	F.0023	.0001	.0048	-.0001	.0002
Stddev	.0002	.0020	.0003	.0034	.0001	.0002
%RSD	78.35	86.52	447.6	71.92	78.27	75.98
#1	.0001	.0037	.0003	.0023	-.0001	.0001
#2	.0004	.0009	-.0001	.0072	.0000	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2230.2	66089.	11577.
Stddev	4.1	14.	26.
%RSD	.18174	.02052	.22828
#1	2233.1	66099.	11558.
#2	2227.3	66080.	11596.

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	0.000004	0.000000	No
			Co	0.000025	0.000000	No
			Mn	0.000046	0.000000	No
			Mo	-0.000089	0.000000	No
			Cu	0.000019	0.000000	No
			Ti	-0.000107	0.000000	No
			Al	-0.000001	0.000000	No
			Zr	0.003788	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.001390	0.000000	No
			Mo	0.045874	0.000000	No
			Ca	0.000201	0.000000	No
As 189.042 {479}	☒	9	V	0.000180	0.000000	No
			Al	0.000008	0.000000	No
			Mo	0.001534	0.000000	No
			Fe	-0.000001	0.000000	No
			Mn	0.000133	0.000000	No
			Ca	0.000004	0.000000	No
			Mg	0.000001	0.000000	No
			Cr	0.000300	0.000000	No
			Na	-0.000000	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000122	0.000000	No
			Mn	0.010681	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.044007	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000005	0.000000	No
Be 313.042 {108}	☒	3	V	0.000027	0.000000	No
			Mo	-0.000032	0.000000	No
			Ti	-0.000279	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	5	Ni	-0.000027	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000011	0.000000	No
			Ca	0.000001	0.000000	No
			Pt	-0.011956	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000043	0.000000	No
			Mo	-0.000136	0.000000	No
			Ti	0.001721	0.000000	No
			Ca	-0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000004	0.000000	No
			Mn	0.000091	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000098	0.000000	No
			V	-0.000207	0.000000	No
			Mo	0.000488	0.000000	No
			Co	-0.000350	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000483	0.000000	No
			Co	0.000765	0.000000	No
			Cr	0.002515	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000008	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000129	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Al	0.000546	0.000000	No
Ni 231.604 {446}	☒	3	Mo	0.000508	0.000000	No
			Fe	0.000017	0.000000	No
			Ca	-0.000001	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000065	0.000000	No
			Mn	0.000172	0.000000	No
			Mo	-0.001613	0.000000	No
			Co	0.000008	0.000000	No
			Cu	0.000170	0.000000	No
			Ca	-0.000006	0.000000	No
			Fe	0.000032	0.000000	No
			Mg	0.000002	0.000000	No
			Ni	0.000044	0.000000	No
			Si	0.000114	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000351	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.007692	0.000000	No
			Ni	0.000902	0.000000	No
			Mn	-0.007038	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
Sb 206.833 {463}	☒	12	Al	-0.000002	0.000000	No
			Fe	0.000037	0.000000	No
			Cr	0.009183	0.000000	No
			Mo	-0.003253	0.000000	No
			Mg	0.000000	0.000000	No
			Ni	-0.000418	0.000000	No
			V	-0.001597	0.000000	No
			Ca	0.000002	0.000000	No
			Ti	0.000081	0.000000	No
			Cu	-0.000084	0.000000	No
			Sn	-0.007401	0.000000	No
			Pt	-0.002057	0.000000	No
Se 196.090 {472}	☒	8	Al	-0.000003	0.000000	No
			Fe	-0.000266	0.000000	No
			Mn	0.000581	0.000000	No
			Mo	0.000208	0.000000	No
			Ca	-0.000002	0.000000	No
			Na	0.000000	0.000000	No
			Co	-0.000794	0.000000	No
			Pd	-0.003371	0.000000	No
Si 212.412 {459}	☒	3	V	0.027489	0.000000	No
			Ti	0.015670	0.000000	No
			Mo	0.031283	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.001120	0.000000	No
			Cr	0.000192	0.000000	No
			V	-0.026331	0.000000	No
			Co	0.001845	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Al	-0.000003	0.000000	No
				Fe	0.000007	0.000000	No
				Ti	-0.001139	0.000000	No
				Mo	-0.000001	0.000000	No
				Ca	-0.000000	0.000000	No
				Na	0.000006	0.000000	No
	V 292.402 {115}	☒	3	Ti	0.000455	0.000000	No
				Mo	-0.000978	0.000000	No
				Fe	0.000018	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000106	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000013	0.000000	No
				Mn	-0.000026	0.000000	No
				Ni	0.000026	0.000000	No
				Cr	-0.000478	0.000000	No
				Mo	0.000147	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000003	0.000000	No
				Na	0.000000	0.000000	No
	Zr 339.198 { 99}	☒	6	Si	0.000182	0.000000	No
				Ti	0.000195	0.000000	No
				Fe	0.000024	0.000000	No
				Sn	0.002296	0.000000	No
				Au	0.002269	0.000000	No
				Ba	0.000845	0.000000	No

Zoom In ▶
Zoom Out

Sample Name: Std1 Acquired: 8/29/2013 10:24:59 Type: Cal
Method: Accutest -SS2(v51) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0027	-.0001	.0001	.0002	.0012	.0077	.0001	.0052	.0025
Stddev	.0002	.0003	.0000	.0001	.0002	.0001	.0001	.0007	.0002
%RSD	6.292	339.5	36.41	26.64	12.92	1.823	154.5	14.37	7.451
#1	-.0026	.0001	.0001	.0003	.0011	.0076	.0000	.0046	.0027
#2	-.0028	-.0003	.0001	.0002	.0013	.0078	.0002	.0057	.0024

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0004	.0000	.0084	.0004	.0012	-.0003	.0004	-.0001	.0092
Stddev	.0003	.0001	.0003	.0000	.0002	.0003	.0000	.0001	.0007
%RSD	67.55	152.0	3.111	6.956	15.01	89.62	.9857	48.52	7.082
#1	-.0006	.0000	.0082	.0004	.0011	-.0001	.0004	-.0002	.0097
#2	-.0002	.0001	.0086	.0005	.0013	-.0005	.0004	-.0001	.0088

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0013	-.0008	.0001	.0000	-.0001	.0007	.0482	-.0003	.0041
Stddev	.0001	.0003	.0000	.000	.0002	.0000	.0004	.0001	.0010
%RSD	5.258	38.23	3.958	141.4	253.7	6.519	.7889	43.96	24.11
#1	-.0013	-.0006	.0001	.0000	-.0002	.0007	.0485	-.0002	.0034
#2	-.0013	-.0010	.0001	.0000	.0001	.0008	.0480	-.0004	.0048

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0002	-.0014	.0004	-.0002	.0002	.0007
Stddev	.0000	.0001	.0001	.0000	.0001	.0001
%RSD	6.015	6.529	17.16	4.231	76.49	19.83
#1	-.0002	-.0013	.0004	-.0002	.0001	.0006
#2	-.0001	-.0014	.0003	-.0002	.0003	.0008

◀ Zoom In ▶
Zoom Out

Sample Name: Std1 Acquired: 8/29/2013 10:24:59 Type: Cal
Method: Accutest -SS2(v51) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	2298.0	67927.	9049.6
Stddev	1.5	110.	2.6
%RSD	.06644	.16212	.02832
#1	2296.9	67849.	9047.8
#2	2299.1	68005.	9051.4

Zoom In ▶
Zoom Out

Sample Name: Std2 Acquired: 8/29/2013 10:29:20 Type: Cal
Method: Accutest -SS2(v51) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1469	.5854	2.232	15.85	14.68	9.650	8.737	.9572	1.828	5.769
Stddev	.0012	.0010	.000	.18	.16	.003	.001	.0036	.006	.001
%RSD	.8069	.1672	.0090	1.142	1.105	.0309	.0065	.3742	.3454	.0244
#1	.1477	.5861	2.232	15.98	14.79	9.648	8.737	.9597	1.833	5.770
#2	.1460	.5847	2.232	15.72	14.56	9.653	8.737	.9547	1.824	5.768

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.480	7.326	2.942	1.642	.8417	1.053	10.64
Stddev	.009	.004	.001	.002	.0009	.002	.01
%RSD	.1192	.0590	.0384	.1052	.1028	.1798	.0734
#1	7.474	7.329	2.942	1.640	.8423	1.051	10.65
#2	7.487	7.323	2.941	1.643	.8410	1.054	10.64

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	2288.3	68158.	9042.5
Stddev	2.8	41.	126.2
%RSD	.12418	.06048	1.3951
#1	2286.3	68187.	8953.3
#2	2290.3	68129.	9131.7

◀ Zoom In ▶
Zoom Out

Sample Name: Std3 Acquired: 8/29/2013 10:33:40 Type: Cal
Method: Accutest -SS2(v51) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.305	2.530	1.337	.8076	.1850	2.479
Stddev	.004	.007	.012	.0011	.0009	.012
%RSD	.3389	.2728	.8756	.1381	.4987	.4910
#1	1.302	2.525	1.329	.8084	.1857	2.471
#2	1.308	2.534	1.346	.8069	.1844	2.488

Int. Std.	Y_3710
Units	Cts/S
Avg	9083.4
Stddev	17.0
%RSD	.18710
#1	9071.4
#2	9095.4

Zoom In Zoom Out

Sample Name: Std4 Acquired: 8/29/2013 10:38:00 Type: Cal
Method: Accutest -SS2(v51) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	Si2124	Sn1899	Sr4077	Ti3349	V_2924	W_2397	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2641	.4980	.0804	2.173	1.831	19.91	1.534	1.255	.0654	3.158
Stddev	.0009	.0004	.0015	.000	.001	.18	.002	.001	.0012	.007
%RSD	.3368	.0794	1.904	.0115	.0469	.8914	.1548	.1082	1.867	.2167
#1	.2635	.4977	.0815	2.173	1.832	20.03	1.532	1.254	.0663	3.153
#2	.2647	.4982	.0794	2.172	1.831	19.78	1.535	1.256	.0646	3.163

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	2328.8	68207.	9199.4
Stddev	2.6	27.	89.9
%RSD	.11377	.04018	.97752
#1	2326.9	68227.	9135.8
#2	2330.6	68188.	9263.0

Zoom In Zoom Out

Sample Name: ICV Acquired: 8/29/2013 10:42:24 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.5142	16.43	3.016	3.013	3.047	3.116	3.058	18.53	2.988	2.978
Stddev	.0006	.01	.001	.005	.002	.001	.003	.01	.001	.002
%RSD	.1140	.0395	.0332	.1791	.0630	.0339	.1079	.0298	.0392	.0615
#1	.5146	16.44	3.015	3.017	3.046	3.115	3.060	18.53	2.987	2.977
#2	.5138	16.43	3.017	3.009	3.049	3.117	3.056	18.53	2.989	2.979

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	3.081	2.953	18.68	15.55	18.64	3.030	2.869	15.79	2.874	2.904
Stddev	.007	.007	.02	.01	.05	.010	.005	.00	.003	.000
%RSD	.2173	.2301	.0889	.0571	.2445	.3410	.1877	.0209	.0893	.0134
#1	3.077	2.958	18.67	15.56	18.67	3.037	2.865	15.79	2.876	2.904
#2	3.086	2.948	18.69	15.54	18.60	3.022	2.873	15.79	2.872	2.904

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	3.024	2.969	2.978	3.002	3.239	3.125	3.166	3.039	2.967	2.995
Stddev	.010	.006	.000	.002	.001	.001	.000	.001	.003	.005
%RSD	.3164	.2000	.0031	.0710	.0379	.0238	.0101	.0282	.0840	.1670
#1	3.031	2.973	2.978	3.000	3.239	3.126	3.166	3.040	2.965	2.999
#2	3.017	2.964	2.979	3.003	3.238	3.125	3.167	3.039	2.968	2.992

Elem	W_2397	Zn2062	Zr3391
Avg	2.913	2.911	3.096
Stddev	.012	.001	.008
%RSD	.3935	.0291	.2494
#1	2.922	2.912	3.102
#2	2.905	2.911	3.091

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2298.9	67395.	8933.2
Stddev	.9	368.	13.8
%RSD	.03786	.54654	.15413
#1	2298.3	67656.	8923.5
#2	2299.5	67135.	8943.0

Zoom In Zoom Out

Sample Name: ICB Acquired: 8/29/2013 10:49:54 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	.0203	.0009	.0012	.0027	.0002	.0001	-.0012	.0002	.0001
Stddev	.0003	.0033	.0008	.0008	.0004	.0000	.0001	.0026	.0001	.0001
%RSD	334.0	16.29	91.27	63.35	13.29	16.92	113.4	210.4	52.08	182.8
#1	.0003	.0180	.0003	.0017	.0024	.0003	.0000	-.0031	.0001	.0000
#2	-.0001	.0227	.0014	.0007	.0029	.0002	.0001	.0006	.0003	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0001	.0001	.0321	-.0114	.0002	.0013	-.0105	.0000	.0007
Stddev	.0001	.0005	.0007	.0081	.0037	.0000	.0002	.0008	.0003	.0002
%RSD	44.65	806.0	1226.	25.20	32.21	19.64	13.41	8.003	746.4	36.50
#1	-.0003	.0005	-.0004	.0264	-.0088	.0002	.0014	-.0099	-.0002	.0008
#2	-.0001	-.0003	.0005	.0379	-.0140	.0002	.0012	-.0111	.0002	.0005

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0012	.0048	.0010	-.0005	.0013	.0004	.0000	.0000	.0008	.0004
Stddev	.0009	.0045	.0002	.0013	.0011	.0003	.000	.0001	.0005	.0002
%RSD	76.24	93.88	20.54	291.0	86.07	68.72	127.2	209.1	60.73	46.70
#1	.0019	.0016	.0011	.0005	.0005	.0006	-.0001	.0001	.0004	.0003
#2	.0006	.0080	.0008	-.0014	.0021	.0002	.0000	.0000	.0011	.0006

Elem	W_2397	Zn2062	Zr3391
Avg	.0148	.0000	.0006
Stddev	.0028	.000	.0003
%RSD	18.85	285.6	57.75
#1	.0128	-.0001	.0003
#2	.0168	.0000	.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2310.8	68101.	9060.9
Stddev	2.2	452.	64.2
%RSD	.09531	.66439	.70860
#1	2312.4	68421.	9106.3
#2	2309.3	67781.	9015.5

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/29/2013 10:54:15 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2487	10.16	1.969	-.0029	1.977	1.973	2.014	10.17	1.967	2.053
Stddev	.0015	.00	.004	.0012	.005	.000	.002	.00	.006	.006
%RSD	.6124	.0074	.2195	39.63	.2761	.0045	.1065	.0090	.3195	.3151
#1	.2476	10.15	1.966	-.0037	1.973	1.973	2.016	10.17	1.962	2.049
#2	.2498	10.16	1.972	-.0021	1.981	1.973	2.013	10.17	1.971	2.058

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.984	1.948	10.11	9.954	9.998	2.002	1.966	10.16	1.953	1.934
Stddev	.003	.007	.00	.011	.070	.005	.008	.02	.005	.006
%RSD	.1513	.3739	.0435	.1104	.6947	.2701	.4182	.1527	.2750	.2900
#1	1.982	1.943	10.11	9.962	9.949	1.998	1.960	10.17	1.950	1.930
#2	1.986	1.953	10.11	9.946	10.05	2.006	1.972	10.14	1.957	1.938

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0001	.0080	1.976	1.973	.1278	2.001	2.028	1.984	1.964	1.985
Stddev	.0005	.0014	.007	.006	.0007	.008	.002	.004	.001	.009
%RSD	350.5	16.98	.3628	.3100	.5227	.4104	.1003	.2120	.0581	.4571
#1	.0005	.0070	1.971	1.968	.1273	1.995	2.027	1.981	1.963	1.978
#2	-.0002	.0089	1.981	1.977	.1283	2.007	2.030	1.987	1.965	1.991

Elem	W_2397	Zn2062	Zr3391
Avg	.0006	1.953	.0036
Stddev	.0012	.008	.0011
%RSD	220.9	.3901	29.67
#1	.0014	1.948	.0044
#2	-.0003	1.959	.0029

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2304.4	67693.	8985.3
Stddev	8.4	360.	13.3
%RSD	.36298	.53231	.14854
#1	2310.3	67948.	8975.9
#2	2298.4	67438.	8994.8

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/29/2013 10:59:54 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0004	.0135	.0002	-.0012	.0027	.0000	.0001	-.0034	.0001
Stddev	.0003	.0128	.0005	.0002	.0002	.0001	.0001	.0035	.0000
%RSD	78.25	94.64	266.0	20.99	5.692	250.1	118.1	103.1	32.23
#1	-.0002	.0045	.0005	-.0010	.0029	.0001	.0001	-.0009	.0001
#2	-.0006	.0225	-.0002	-.0013	.0026	.0000	.0000	-.0059	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0003	.0002	.0004	-.0031	.0103	.0017	.0001	.0015	-.0020
Stddev	.0001	.0006	.0001	.0006	.0177	.0260	.0000	.0001	.0072
%RSD	47.73	380.9	15.65	20.23	171.8	1525.	.0178	10.00	352.9
#1	.0002	-.0003	.0004	-.0027	.0229	.0201	.0001	.0016	-.0071
#2	.0004	.0006	.0003	-.0036	-.0022	-.0167	.0001	.0014	.0030

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0001	.0001	.0006	.0034	.0012	-.0012	.0016	.0002	-.0002
Stddev	.0000	.0000	.0007	.0001	.0009	.0007	.0001	.0003	.0000
%RSD	88.82	15.74	125.2	2.470	75.64	54.67	5.826	112.2	20.33
#1	.0001	.0001	.0001	.0033	.0019	-.0008	.0015	.0001	-.0002
#2	.0000	.0001	.0011	.0035	.0006	-.0017	.0016	.0004	-.0002

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0001	F.0021	.0004	.0061	-.0001	.0000
Stddev	.0003	.0014	.0003	.0008	.0001	.000
%RSD	349.1	66.91	71.97	12.43	99.25	879.8
#1	.0001	.0031	.0002	.0066	-.0001	-.0002
#2	-.0003	.0011	.0007	.0055	.0000	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2317.5	68020.	9048.0
Stddev	5.1	273.	35.2
%RSD	.22196	.40190	.38860
#1	2321.1	68213.	9023.1
#2	2313.9	67827.	9072.9

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/29/2013 11:05:42 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0055	.2260	.0046	-.0012	.1033	.0510	.0042	5.103	.0043
Stddev	.0004	.0095	.0011	.0001	.0002	.0001	.0000	.001	.0000
%RSD	7.076	4.188	24.89	10.57	.2068	.1970	.8274	.0220	.6606
#1	.0052	.2193	.0054	-.0013	.1031	.0510	.0042	5.104	.0043
#2	.0057	.2327	.0038	-.0011	.1034	.0511	.0042	5.102	.0043

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0532	.0104	.0252	.1011	5.050	5.036	.0163	.1024	5.180
Stddev	.0004	.0001	.0000	.0005	.013	.022	.0003	.0005	.013
%RSD	.7183	.6925	.0201	.4925	.2589	.4320	1.536	.5003	.2471
#1	.0529	.0104	.0252	.1008	5.059	5.020	.0165	.1020	5.171
#2	.0534	.0103	.0252	.1015	5.041	5.051	.0161	.1028	5.189

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0407	.0055	-.0018	.0014	F.0081	.0089	.0050	.1019	.0102
Stddev	.0001	.0002	.0005	.0024	.0009	.0009	.0003	.0003	.0001
%RSD	.1934	4.102	25.31	175.9	10.96	10.25	5.403	.3341	.7379
#1	.0406	.0054	-.0015	.0031	.0088	.0096	.0048	.1021	.0103
#2	.0407	.0057	-.0021	-.0003	.0075	.0083	.0052	.1017	.0102

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0526	F.0066	.0110	.0069	.0211	-.0002
Stddev	.0009	.0010	.0005	.0016	.0000	.0001
%RSD	1.630	15.06	4.576	22.36	.2240	37.41
#1	.0532	.0059	.0113	.0058	.0211	-.0001
#2	.0520	.0074	.0106	.0080	.0211	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2313.0	67759.	9093.8
Stddev	.3	430.	118.1
%RSD	.01339	.63461	1.2987
#1	2312.8	68063.	9177.4
#2	2313.3	67455.	9010.3

Zoom In Zoom Out

Sample Name: CRIA Acquired: 8/29/2013 11:10:17 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0052	.2275	.0115	-.0007	.1025	.0507	.0042	5.129	.0043	.0533
Stddev	.0001	.0012	.0001	.0008	.0000	.0006	.0001	.002	.0001	.0001
%RSD	2.738	.5375	.4917	105.5	.0303	1.212	1.529	.0360	1.753	.1928
#1	.0053	.2283	.0116	-.0013	.1025	.0512	.0042	5.128	.0043	.0532
#2	.0051	.2266	.0115	-.0002	.1024	.0503	.0041	5.131	.0044	.0534

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0105	.0253	.1001	5.043	5.036	.0162	.1023	5.217	.0407	.0097
Stddev	.0004	.0020	.0019	.032	.019	.0004	.0001	.001	.0002	.0004
%RSD	3.480	8.032	1.856	.6428	.3746	2.709	.1124	.0143	.4845	4.076
#1	.0103	.0239	.0987	5.020	5.023	.0159	.1022	5.217	.0406	.0100
#2	.0108	.0268	.1014	5.066	5.050	.0165	.1023	5.216	.0408	.0094

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0011	-.0006	.0123	.0096	.0080	.1019	.0102	.0523	.0109	.0106
Stddev	.0007	.0041	.0004	.0013	.0009	.0000	.0000	.0015	.0004	.0001
%RSD	61.29	674.3	3.432	13.72	10.75	.0293	.0665	2.801	3.421	1.000
#1	.0006	-.0035	.0120	.0106	.0086	.1019	.0102	.0512	.0112	.0105
#2	.0016	.0023	.0126	.0087	.0074	.1019	.0102	.0533	.0106	.0107

Elem	W_2397	Zn2062	Zr3391
Avg	.0115	.0211	-.0002
Stddev	.0001	.0000	.0002
%RSD	.8407	.1313	69.04
#1	.0116	.0211	-.0001
#2	.0115	.0210	-.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2309.4	67547.	9200.4
Stddev	2.6	21.	95.0
%RSD	.11326	.03046	1.0324
#1	2311.2	67562.	9133.2
#2	2307.5	67533.	9267.5

Zoom In Zoom Out

Sample Name: CRIB Acquired: 8/29/2013 11:19:13 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0056	.2154	.0109	-.0001	.1021	.5144	.0043	5.136	.0044	.0532
Stddev	.0001	.0057	.0000	.0011	.0010	.0053	.0001	.018	.0002	.0001
%RSD	1.786	2.652	.3580	1139.	.9887	1.031	1.251	.3594	3.952	.1420
#1	.0055	.2113	.0109	.0007	.1014	.5107	.0042	5.123	.0042	.0532
#2	.0057	.2194	.0109	-.0009	.1028	.5182	.0043	5.149	.0045	.0533

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0110	.0257	.1052	5.087	5.040	.0161	.1021	5.200	.0407	.0101
Stddev	.0002	.0000	.0006	.000	.029	.0000	.0007	.022	.0004	.0003
%RSD	1.918	.1315	.5493	.0050	.5786	.1131	.6702	.4202	1.008	3.264
#1	.0108	.0257	.1056	5.087	5.019	.0162	.1016	5.185	.0404	.0104
#2	.0111	.0257	.1048	5.088	5.061	.0161	.1026	5.216	.0410	.0099

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0002	-.0016	.0070	.0253	.0077	.1016	.0103	.0526	.0056	.0112
Stddev	.0027	.0045	.0002	.0007	.0003	.0004	.0002	.0003	.0004	.0004
%RSD	1509.	286.2	3.406	2.787	4.447	.3981	2.182	.5707	6.546	3.972
#1	-.0018	.0016	.0072	.0248	.0079	.1019	.0101	.0524	.0053	.0115
#2	.0021	-.0048	.0068	.0258	.0074	.1013	.0104	.0528	.0058	.0109

Elem	W_2397	Zn2062	Zr3391
Avg	.0037	.1086	-.0007
Stddev	.0016	.0006	.0002
%RSD	44.29	.5489	32.06
#1	.0048	.1082	-.0005
#2	.0025	.1090	-.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2277.5	67389.	9005.6
Stddev	8.6	211.	42.0
%RSD	.37728	.31245	.46667
#1	2283.6	67240.	9035.3
#2	2271.5	67538.	8975.8

Zoom In Zoom Out

Sample Name: ICSA Acquired: 8/29/2013 11:23:30 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	521.6	-.0017	.0016	.0022	-.0006	.0001	455.5	.0004	.0006
Stddev	.0000	2.6	.0011	.0006	.0004	.0001	.0000	3.8	.0001	.0003
%RSD	9.336	.4973	63.70	39.46	18.13	24.92	28.54	.8424	24.12	42.49
#1	.0002	523.4	-.0025	.0012	.0025	-.0005	.0002	452.7	.0004	.0004
#2	.0003	519.8	-.0009	.0021	.0019	-.0007	.0001	458.2	.0003	.0008

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	-.0004	186.3	.0479	490.6	.0000	-.0007	.0904	-.0017	.0005
Stddev	.0003	.0001	.1	.0611	.4	.0000	.0001	.0072	.0000	.0002
%RSD	1170.	15.82	.0525	127.4	.0742	399.8	13.72	7.953	2.701	42.82
#1	-.0002	-.0003	186.3	.0911	490.8	.0000	-.0006	.0853	-.0018	.0004
#2	.0002	-.0004	186.2	.0048	490.3	.0000	-.0008	.0955	-.0017	.0007

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0395	-.0184	-.0018	-.0021	.0503	-.0001	.0015	.0086	-.0014	.0005
Stddev	.0003	.0075	.0001	.0010	.0004	.0001	.0004	.0002	.0010	.0003
%RSD	.7066	40.82	6.523	48.77	.7777	160.0	26.86	1.798	71.09	63.06
#1	-.0394	-.0237	-.0017	-.0014	.0500	-.0001	.0017	.0085	-.0022	.0003
#2	-.0397	-.0131	-.0018	-.0028	.0506	.0000	.0012	.0087	-.0007	.0007

Elem	W_2397	Zn2062	Zr3391
Avg	-.0323	-.0008	.0002
Stddev	.0052	.0003	.0001
%RSD	15.97	33.03	48.26
#1	-.0286	-.0010	.0003
#2	-.0359	-.0006	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2079.7	62820.	8989.2
Stddev	5.7	105.	8.8
%RSD	.27482	.16749	.09759
#1	2083.7	62745.	8995.4
#2	2075.6	62894.	8983.0

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 8/29/2013 11:27:56 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.070	531.6	2.072	.4991	1.005	.5172	.4767	469.4	1.055	.4923
Stddev	.001	6.9	.001	.0008	.001	.0005	.0019	11.6	.001	.0003
%RSD	.1266	1.300	.0274	.1577	.0501	.1053	.4018	2.467	.0697	.0526
#1	1.069	536.4	2.071	.4996	1.005	.5168	.4781	477.6	1.056	.4921
#2	1.071	526.7	2.072	.4985	1.006	.5176	.4754	461.2	1.055	.4925

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4938	.5172	191.7	.0606	502.8	.4917	.9797	.0744	.8880	.9156
Stddev	.0017	.0001	.7	.0258	2.5	.0009	.0017	.0024	.0000	.0020
%RSD	.3446	.0244	.3549	42.63	.4893	.1746	.1764	3.269	.0004	.2220
#1	.4926	.5173	192.2	.0423	504.5	.4923	.9785	.0726	.8880	.9171
#2	.4950	.5171	191.2	.0789	501.0	.4910	.9809	.0761	.8880	.9142

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.4922	.4708	2.100	2.052	2.174	.9942	1.029	.5104	1.932	.5090
Stddev	.0029	.0006	.004	.004	.002	.0014	.001	.0002	.003	.0004
%RSD	.5828	.1296	.1813	.2068	.0974	.1398	.0857	.0330	.1678	.0813
#1	.4901	.4704	2.103	2.049	2.175	.9952	1.030	.5103	1.930	.5087
#2	.4942	.4712	2.098	2.055	2.172	.9932	1.028	.5105	1.934	.5093

Elem	W_2397	Zn2062	Zr3391
Avg	1.882	.9328	.4280
Stddev	.012	.0020	.0034
%RSD	.6207	.2098	.8038
#1	1.890	.9315	.4256
#2	1.873	.9342	.4304

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2084.6	62530.	8699.3
Stddev	.0	145.	119.0
%RSD	.00171	.23178	1.3683
#1	2084.6	62632.	8615.1
#2	2084.5	62427.	8783.4

Zoom In Zoom Out

Sample Name: MC23771-4 Acquired: 8/29/2013 11:36:16 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0012	397.6	.6365	-.0097	.7665	5.190	.0225	F1371.
Stddev	.0006	.3	.0015	.0054	.0024	.002	.0001	15.
%RSD	50.48	.0783	.2378	55.32	.3113	.0444	.4791	1.066
#1	.0016	397.3	.6355	-.0135	.7682	5.188	.0226	1382.
#2	.0007	397.8	.6376	-.0059	.7648	5.191	.0225	1361.

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0234	.5696	.9916	1.442	F1065.	69.40	691.6	F43.94
Stddev	.0004	.0012	.0015	.004	16.	.05	1.4	.28
%RSD	1.615	.2163	.1474	.2604	1.500	.0743	.1962	.6260
#1	.0232	.5688	.9905	1.445	1076.	69.36	692.5	44.14
#2	.0237	.5705	.9926	1.439	1053.	69.44	690.6	43.75

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0829	47.97	1.423	2.046	F-.1477	.1468	-.0044	F-.0586
Stddev	.0002	.06	.000	.001	.0115	.0087	.0029	.0000
%RSD	.2601	.1199	.0261	.0416	7.799	5.949	66.78	.0443
#1	.0831	47.93	1.422	2.046	-.1396	.1530	-.0023	-.0586
#2	.0828	48.01	1.423	2.047	-.1559	.1407	-.0064	-.0586

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	120.3	.0164	1.458	2.535	F-.0140	.7971	.0074	4.835
Stddev	1.6	.0010	.001	.002	.0015	.0040	.0079	.007
%RSD	1.338	6.000	.0704	.0811	10.67	.5019	106.6	.1476
#1	119.2	.0171	1.457	2.533	-.0129	.7943	.0130	4.830
#2	121.5	.0157	1.459	2.536	-.0150	.7999	.0018	4.840

Elem	Zr3391
Avg	.0941
Stddev	.0015
%RSD	1.614
#1	.0951
#2	.0930

Zoom In Zoom Out

Sample Name: MC23771-4 Acquired: 8/29/2013 11:36:16 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2X

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2686.0	84637.	11926.
Stddev	3.4	51.	80.
%RSD	.12637	.05991	.66822
#1	2688.4	84672.	11870.
#2	2683.6	84601.	11982.

Zoom In Zoom Out

Sample Name: MC23273-10R Acquired: 8/29/2013 11:44:21 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0041	110.7	.1592	-.0034	.0850	30.15	.0063	153.5	.0119	.1166
Stddev	.0002	.4	.0013	.0066	.0017	.04	.0004	.8	.0000	.0022
%RSD	3.995	.3987	.7893	196.7	1.968	.1217	6.793	.5136	.0013	1.896
#1	.0042	110.4	.1601	-.0080	.0862	30.13	.0060	152.9	.0119	.1151
#2	.0040	111.0	.1583	.0013	.0839	30.18	.0066	154.0	.0119	.1182

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.7750	3.476	549.5	10.74	36.09	8.120	.2133	16.81	2.338	2.853
Stddev	.0099	.000	.8	.01	.03	.026	.0026	.07	.007	.004
%RSD	1.282	.0024	.1506	.0647	.0939	.3267	1.203	.4235	.2861	.1462
#1	.7679	3.476	548.9	10.73	36.11	8.101	.2115	16.86	2.333	2.850
#2	.7820	3.476	550.1	10.74	36.07	8.139	.2151	16.76	2.343	2.856

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0126	.0011	.0217	.0093	7.833	.2900	.9438	2.419	.0089	.2623
Stddev	.0048	.0046	.0037	.0033	.075	.0015	.0039	.009	.0074	.0032
%RSD	37.99	406.1	17.15	35.10	.9599	.5114	.4086	.3881	83.10	1.230
#1	-.0092	.0044	.0243	.0070	7.887	.2910	.9411	2.412	.0141	.2600
#2	-.0160	-.0021	.0190	.0116	7.780	.2889	.9465	2.426	.0037	.2645

Elem	W_2397	Zn2062	Zr3391
Avg	.1286	3.393	.1236
Stddev	.0207	.004	.0014
%RSD	16.09	.1137	1.117
#1	.1140	3.390	.1226
#2	.1432	3.395	.1246

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2300.2	68474.	9313.6
Stddev	3.7	177.	93.9
%RSD	.16119	.25792	1.0086
#1	2302.8	68599.	9380.0
#2	2297.6	68349.	9247.2

Zoom In Zoom Out

Sample Name: MC23273-4R Acquired: 8/29/2013 11:48:37 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	64.16	.4453	-.0074	.1070	1.274	.0039	31.09	.0099	.2180
Stddev	.0023	.06	.0081	.0024	.0024	.002	.0005	.19	.0007	.0003
%RSD	2292.	.0863	1.816	33.04	2.206	.1351	12.12	.5986	6.863	.1513
#1	.0017	64.19	.4396	-.0091	.1087	1.273	.0042	30.96	.0094	.2177
#2	-.0015	64.12	.4511	-.0056	.1053	1.275	.0036	31.22	.0104	.2182

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	4.239	18.91	1200.	7.091	15.93	9.591	.7789	3.347	4.311	.8166
Stddev	.004	.09	1.	.059	.13	.040	.0036	.013	.002	.0010
%RSD	.0924	.4906	.0588	.8248	.8394	.4137	.4673	.4008	.0429	.1253
#1	4.236	18.85	1200.	7.050	16.03	9.563	.7763	3.357	4.310	.8159
#2	4.241	18.98	1199.	7.133	15.84	9.619	.7815	3.338	4.312	.8173

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0154	.0254	.0374	.0245	5.453	.2256	.3313	1.323	.0037	.2752
Stddev	.0130	.0249	.0013	.0097	.038	.0008	.0017	.021	.0023	.0039
%RSD	84.28	97.89	3.432	39.82	.7040	.3590	.5079	1.598	60.68	1.402
#1	.0062	.0078	.0365	.0314	5.480	.2262	.3301	1.338	.0053	.2779
#2	.0245	.0430	.0383	.0176	5.426	.2250	.3325	1.308	.0021	.2725

Elem	W_2397	Zn2062	Zr3391
Avg	.0927	.6317	.0941
Stddev	.0106	.0017	.0028
%RSD	11.48	.2716	3.002
#1	.0852	.6305	.0961
#2	.1002	.6329	.0921

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2284.9	68286.	9174.8
Stddev	2.3	121.	17.7
%RSD	.10109	.17765	.19290
#1	2286.5	68372.	9162.3
#2	2283.2	68200.	9187.4

Zoom In Zoom Out

Sample Name: MC23273-6R Acquired: 8/29/2013 11:52:52 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	79.88	.1353	.0014	.0480	5.153	.0038	99.26	.0051	.1018
Stddev	.0016	.97	.0007	.0043	.0016	.057	.0003	1.06	.0005	.0023
%RSD	270.1	1.218	.4857	297.5	3.402	1.105	9.220	1.072	8.924	2.274
#1	.0006	80.57	.1358	-.0016	.0469	5.193	.0035	100.0	.0048	.1002
#2	-.0018	79.20	.1349	.0045	.0492	5.112	.0040	98.51	.0055	.1035

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.9413	1.502	1385.	5.254	18.85	10.32	.1694	3.891	1.553	.7218
Stddev	.0028	.006	13.	.087	.06	.01	.0009	.004	.001	.0129
%RSD	.2934	.3880	.9421	1.648	.2997	.0671	.5298	.1021	.0778	1.782
#1	.9433	1.506	1394.	5.193	18.89	10.33	.1687	3.889	1.552	.7127
#2	.9394	1.498	1376.	5.315	18.81	10.32	.1700	3.894	1.554	.7309

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0204	.0104	.0132	.0082	4.362	.2251	.4974	1.644	.0004	.1928
Stddev	.0066	.0085	.0033	.0171	.026	.0016	.0011	.004	.0004	.0017
%RSD	32.57	81.90	25.32	207.5	.6080	.7058	.2266	.2371	104.6	.9039
#1	-.0157	.0044	.0108	.0203	4.381	.2240	.4966	1.641	.0007	.1916
#2	-.0251	.0164	.0156	-.0038	4.343	.2262	.4982	1.647	.0001	.1940

Elem	W_2397	Zn2062	Zr3391
Avg	.0478	2.895	.0606
Stddev	.0124	.002	.0003
%RSD	25.96	.0843	.5276
#1	.0390	2.893	.0604
#2	.0565	2.897	.0608

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2276.8	68073.	9137.7
Stddev	2.1	48.	108.8
%RSD	.09043	.07088	1.1907
#1	2278.3	68039.	9060.8
#2	2275.3	68108.	9214.7

Zoom In Zoom Out

Sample Name: MC23273-9R Acquired: 8/29/2013 11:57:07 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	143.0	.2235	.0010	.0449	23.54	.0063	95.67	.0053	.1192
Stddev	.0011	1.7	.0076	.0005	.0014	.20	.0004	.91	.0010	.0005
%RSD	872.9	1.195	3.391	47.56	3.116	.8486	7.135	.9541	19.27	.3777
#1	.0009	144.2	.2289	.0014	.0439	23.68	.0060	96.31	.0046	.1188
#2	-.0007	141.7	.2182	.0007	.0459	23.40	.0066	95.02	.0061	.1195

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4063	.4579	417.1	11.31	53.23	5.390	.1214	2.664	.5763	.3573
Stddev	.0034	.0075	3.8	.24	.04	.029	.0003	.031	.0033	.0014
%RSD	.8275	1.639	.9151	2.111	.0734	.5368	.2567	1.154	.5807	.3853
#1	.4087	.4632	419.8	11.48	53.20	5.411	.1212	2.686	.5739	.3564
#2	.4039	.4526	414.4	11.14	53.26	5.370	.1216	2.642	.5786	.3583

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0066	.0206	.0021	.0035	5.844	.0328	.5304	.8564	.0003	.2237
Stddev	.0053	.0074	.0022	.0009	.015	.0017	.0023	.0183	.0072	.0096
%RSD	79.55	35.76	105.0	25.59	.2639	5.162	.4403	2.135	2174.	4.304
#1	-.0029	.0154	.0037	.0042	5.833	.0340	.5321	.8694	-.0048	.2305
#2	-.0103	.0259	.0005	.0029	5.855	.0316	.5288	.8435	.0054	.2169

Elem	W_2397	Zn2062	Zr3391
Avg	.0031	.9198	.0826
Stddev	.0065	.0007	.0032
%RSD	213.3	.0729	3.841
#1	-.0016	.9193	.0849
#2	.0077	.9202	.0804

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2312.9	68836.	9319.7
Stddev	5.2	625.	119.3
%RSD	.22540	.90748	1.2804
#1	2316.6	68394.	9235.3
#2	2309.3	69278.	9404.0

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/29/2013 12:01:22 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2513	9.894	1.998	-.0026	1.968	1.943	1.954	10.01	2.012	2.090
Stddev	.0017	.038	.005	.0004	.001	.006	.006	.05	.003	.003
%RSD	.6675	.3855	.2308	14.11	.0496	.2933	.3145	.4900	.1338	.1468
#1	.2525	9.867	2.001	-.0023	1.968	1.939	1.950	9.973	2.014	2.092
#2	.2501	9.921	1.994	-.0028	1.967	1.947	1.959	10.04	2.010	2.088

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.995	1.978	9.906	9.832	9.796	1.980	1.998	9.886	1.962	1.960
Stddev	.010	.000	.047	.027	.016	.007	.001	.020	.002	.000
%RSD	.4811	.0111	.4785	.2776	.1619	.3571	.0431	.2068	.1161	.0221
#1	2.001	1.978	9.873	9.813	9.807	1.985	1.998	9.871	1.963	1.960
#2	1.988	1.978	9.940	9.851	9.785	1.975	1.997	9.900	1.960	1.960

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0009	.0027	1.994	1.991	.2450	2.004	2.027	1.983	2.007	2.010
Stddev	.0007	.0051	.007	.004	.0059	.001	.010	.006	.005	.007
%RSD	76.63	190.7	.3347	.1740	2.408	.0674	.4730	.3045	.2438	.3405
#1	.0004	-.0009	1.999	1.993	.2492	2.005	2.021	1.987	2.011	2.015
#2	.0014	.0063	1.990	1.988	.2409	2.004	2.034	1.979	2.004	2.005

Elem	W_2397	Zn2062	Zr3391
Avg	-.0030	1.994	.0040
Stddev	.0025	.000	.0010
%RSD	84.58	.0055	26.42
#1	-.0012	1.994	.0047
#2	-.0047	1.994	.0032

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2283.3	67554.	9071.7
Stddev	1.3	301.	111.4
%RSD	.05727	.44510	1.2283
#1	2284.2	67341.	9150.5
#2	2282.3	67766.	8992.9

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/29/2013 12:05:34 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0114	.0000	-.0011	.0024	.0001	.0001	-.0033	.0002	.0002
Stddev	.0012	.0032	.000	.0016	.0000	.0001	.0000	.0028	.0000	.0001
%RSD	717.8	28.29	141.7	151.7	.3774	94.70	21.64	85.95	8.917	52.48
#1	-.0010	.0137	.0000	.0001	.0024	.0001	.0001	-.0013	.0002	.0001
#2	.0007	.0091	.0000	-.0023	.0024	.0000	.0001	-.0053	.0002	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	-.0003	-.0003	.0230	.0124	.0002	.0023	-.0117	.0001	.0002
Stddev	.0003	.0003	.0004	.0257	.0116	.0000	.0007	.0056	.0002	.0003
%RSD	851.8	84.33	148.2	111.9	93.69	9.361	30.37	48.05	252.7	159.1
#1	-.0002	-.0005	.0000	.0048	.0042	.0002	.0027	-.0077	.0002	.0000
#2	.0003	-.0001	-.0006	.0411	.0206	.0002	.0018	-.0157	-.0001	.0004

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0001	.0004	.0006	-.0006	.0310	.0006	.0000	.0000	.0013	.0002
Stddev	.0015	.0024	.0011	.0007	.0000	.0001	.000	.000	.0004	.0005
%RSD	1276.	585.0	180.1	124.9	.0867	22.50	429.2	2173.	27.84	215.8
#1	.0012	-.0013	-.0002	-.0001	.0310	.0007	.0001	-.0003	.0016	.0006
#2	-.0009	.0021	.0014	-.0011	.0309	.0005	-.0001	.0003	.0011	-.0001

Elem	W_2397	Zn2062	Zr3391
Avg	.0019	.0001	-.0004
Stddev	.0075	.0000	.0002
%RSD	392.7	21.66	53.96
#1	.0073	.0001	-.0002
#2	-.0034	.0002	-.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2287.3	67465.	9120.7
Stddev	.9	75.	49.5
%RSD	.03761	.11161	.54289
#1	2287.9	67518.	9085.7
#2	2286.7	67412.	9155.7

Zoom In Zoom Out

Sample Name: MC23273-1R Acquired: 8/29/2013 12:09:55 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	113.1	.2072	-.0039	.0854	1.372	.0064	285.1	.0082	.1362
Stddev	.0002	.6	.0005	.0015	.0006	.008	.0001	1.9	.0003	.0001
%RSD	55.25	.5734	.2388	37.00	.7384	.6064	1.480	.6820	3.936	.0940
#1	.0006	112.6	.2068	-.0029	.0849	1.366	.0064	283.7	.0079	.1361
#2	.0003	113.5	.2075	-.0050	.0858	1.377	.0063	286.5	.0084	.1363

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.135	1.246	658.3	15.93	38.60	6.528	.7198	3.477	1.823	1.658
Stddev	.002	.002	10.7	.17	.45	.026	.0025	.048	.003	.006
%RSD	.1551	.1878	1.623	1.074	1.157	.4013	.3520	1.376	.1573	.3607
#1	1.134	1.248	650.7	15.81	38.29	6.510	.7216	3.443	1.825	1.662
#2	1.137	1.245	665.8	16.05	38.92	6.547	.7180	3.511	1.821	1.654

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0272	.0065	.0240	.0142	7.059	.1635	.6898	1.263	.0055	.2684
Stddev	.0041	.0040	.0000	.0033	.028	.0004	.0041	.003	.0009	.0015
%RSD	15.25	61.01	.0722	23.22	.3904	.2307	.5874	.2377	16.92	.5538
#1	-.0301	.0037	.0240	.0118	7.078	.1633	.6870	1.261	.0049	.2695
#2	-.0243	.0093	.0239	.0165	7.039	.1638	.6927	1.265	.0062	.2674

Elem	W_2397	Zn2062	Zr3391
Avg	.0350	1.420	.0592
Stddev	.0185	.003	.0005
%RSD	52.98	.1883	.9037
#1	.0219	1.422	.0595
#2	.0481	1.418	.0588

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2313.7	69437.	9473.7
Stddev	1.2	629.	111.3
%RSD	.05181	.90520	1.1751
#1	2314.5	69881.	9552.4
#2	2312.8	68992.	9395.0

Zoom In Zoom Out

Sample Name: MC23273-4R Acquired: 8/29/2013 12:14:20 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0024	61.27	.4441	-.0188	.1022	1.213	.0040	28.83	.0105
Stddev	.0011	.21	.0027	.0033	.0011	.001	.0001	.01	.0004
%RSD	44.42	.3387	.6148	17.44	1.071	.1145	3.416	.0209	3.984
#1	.0016	61.12	.4422	-.0165	.1014	1.214	.0040	28.83	.0102
#2	.0031	61.42	.4461	-.0211	.1029	1.212	.0041	28.84	.0108

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.2200	4.127	18.90	F1085.	6.864	15.25	9.251	.7640	3.289
Stddev	.0026	.009	.17	12.	.054	.13	.043	.0012	.038
%RSD	1.161	.2191	.8864	1.125	.7911	.8497	.4631	.1506	1.147
#1	.2182	4.133	18.78	1094.	6.903	15.16	9.281	.7632	3.262
#2	.2218	4.120	19.02	1077.	6.826	15.34	9.220	.7648	3.315

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	4.243	.7977	-.0217	-.0009	.0340	-.0057	5.009	.2206	.3139
Stddev	.003	.0035	.0030	.0031	.0004	.0075	.002	.0011	.0004
%RSD	.0753	.4375	13.80	346.4	1.049	132.8	.0292	.4862	.1393
#1	4.241	.7952	-.0196	-.0031	.0343	-.0003	5.008	.2199	.3142
#2	4.245	.8001	-.0238	.0013	.0338	-.0110	5.010	.2214	.3135

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.271	-.0001	.2715	.0428	.6101	.0720
Stddev	.002	.0017	.0005	.0081	.0013	.0011
%RSD	.1755	1280.	.1933	19.01	.2058	1.596
#1	1.272	-.0013	.2719	.0486	.6092	.0712
#2	1.269	.0011	.2711	.0371	.6110	.0728

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2237.2	68009.	9384.6
Stddev	1.3	141.	56.2
%RSD	.05765	.20769	.59883
#1	2238.1	67909.	9344.9
#2	2236.3	68109.	9424.3

Zoom In Zoom Out

Sample Name: MC23273-6R Acquired: 8/29/2013 12:18:48 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0007	76.74	.1404	-.0317	.0465	5.002	.0037	94.46	.0061
Stddev	.0013	.18	.0035	.0023	.0002	.009	.0002	.29	.0000
%RSD	176.7	.2292	2.483	7.249	.4798	.1850	5.869	.3115	.4232
#1	.0002	76.86	.1379	-.0334	.0463	5.009	.0039	94.67	.0061
#2	-.0016	76.61	.1428	-.0301	.0466	4.996	.0035	94.26	.0061

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.1060	.8945	1.495	F1277.	5.111	18.06	9.794	.1672	3.798
Stddev	.0008	.0028	.001	5.	.010	.16	.062	.0007	.006
%RSD	.7119	.3154	.0644	.3896	.1985	.9082	.6298	.4247	.1541
#1	.1055	.8925	1.495	1281.	5.103	18.18	9.750	.1667	3.794
#2	.1065	.8964	1.494	1274.	5.118	17.95	9.838	.1677	3.803

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	1.512	.6960	-.0144	.0117	.0142	-.0123	4.060	.2197	.4742
Stddev	.001	.0051	.0049	.0018	.0006	.0012	.000	.0017	.0012
%RSD	.0815	.7319	33.95	15.43	4.081	9.443	.0093	.7913	.2448
#1	1.511	.6924	-.0109	.0129	.0146	-.0115	4.060	.2185	.4750
#2	1.513	.6996	-.0178	.0104	.0138	-.0131	4.060	.2210	.4734

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.522	-.0010	.1841	.0581	2.805	.0539
Stddev	.003	.0018	.0026	.0264	.003	.0018
%RSD	.2073	187.5	1.429	45.39	.1062	3.330
#1	1.519	-.0022	.1822	.0768	2.803	.0552
#2	1.524	.0003	.1859	.0395	2.807	.0527

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2225.2	68184.	9245.2
Stddev	.8	555.	35.9
%RSD	.03772	.81405	.38872
#1	2224.6	68577.	9219.8
#2	2225.8	67792.	9270.6

Zoom In Zoom Out

Sample Name: MC23273-9R Acquired: 8/29/2013 12:23:12 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	138.1	.2144	.0001	.0427	22.98	.0059	91.68	.0046	.1165
Stddev	.0000	.0	.0009	.0016	.0003	.53	.0002	.12	.0001	.0010
%RSD	5.754	.0240	.4168	2269.	.7035	2.298	3.332	.1287	2.979	.8848
#1	-.0006	138.1	.2151	.0012	.0425	23.35	.0061	91.77	.0045	.1157
#2	-.0006	138.1	.2138	-.0010	.0429	22.60	.0058	91.60	.0047	.1172

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.3934	.4505	399.3	11.09	51.16	5.144	.1177	2.602	.5464	.3416
Stddev	.0048	.0020	.6	.05	.02	.001	.0008	.015	.0014	.0035
%RSD	1.223	.4402	.1622	.4824	.0349	.0148	.7072	.5568	.2482	1.029
#1	.3968	.4519	399.8	11.13	51.18	5.144	.1171	2.613	.5473	.3391
#2	.3900	.4491	398.9	11.06	51.15	5.143	.1183	2.592	.5454	.3441

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0006	.0019	.0017	.0073	5.523	.0310	.5070	.8057	.0029	.2140
Stddev	.0006	.0031	.0007	.0001	.009	.0010	.0006	.0009	.0002	.0004
%RSD	98.70	161.2	42.62	1.513	.1580	3.080	.1206	.1122	5.659	.1963
#1	.0002	.0041	.0012	.0074	5.529	.0303	.5075	.8063	.0028	.2137
#2	.0011	-.0003	.0022	.0072	5.516	.0317	.5066	.8050	.0031	.2143

Elem	W_2397	Zn2062	Zr3391
Avg	-.0014	.8712	.0803
Stddev	.0061	.0004	.0012
%RSD	427.4	.0476	1.462
#1	.0029	.8715	.0795
#2	-.0058	.8709	.0812

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2319.2	69717.	9269.8
Stddev	1.1	166.	81.1
%RSD	.04547	.23762	.87505
#1	2318.5	69835.	9212.5
#2	2320.0	69600.	9327.2

Zoom In Zoom Out

Sample Name: MC23273-10R Acquired: 8/29/2013 12:27:34 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0019	107.4	.1571	-.0008	.0812	F29.45	.0058	147.6	.0110
Stddev	.0010	.1	.0000	.0002	.0010	.51	.0001	.2	.0003
%RSD	51.06	.0498	.0159	21.16	1.193	1.721	2.503	.1466	2.848
#1	.0012	107.4	.1571	-.0009	.0819	29.09	.0059	147.7	.0108
#2	.0027	107.4	.1571	-.0007	.0805	29.81	.0057	147.4	.0112

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.1158	.7479	3.536	522.4	10.39	34.33	7.629	.2102	15.94
Stddev	.0002	.0015	.005	.6	.03	.09	.010	.0003	.01
%RSD	.1651	.1982	.1492	.1104	.2738	.2591	.1310	.1302	.0771
#1	.1160	.7490	3.532	522.8	10.37	34.39	7.636	.2104	15.95
#2	.1157	.7469	3.539	522.0	10.41	34.27	7.622	.2100	15.93

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	2.258	2.762	-.0064	.0147	.0173	.0104	6.978	.2803	.9288
Stddev	.004	.007	.0012	.0072	.0029	.0029	.015	.0004	.0019
%RSD	.1783	.2570	19.37	49.29	16.99	28.46	.2165	.1594	.2073
#1	2.255	2.757	-.0073	.0096	.0152	.0124	6.967	.2800	.9274
#2	2.260	2.767	-.0056	.0198	.0194	.0083	6.988	.2806	.9302

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	2.326	.0009	.2582	.0597	3.279	.0980
Stddev	.001	.0026	.0013	.0009	.006	.0006
%RSD	.0328	277.3	.5182	1.498	.1971	.6450
#1	2.327	.0028	.2591	.0603	3.274	.0985
#2	2.326	-.0009	.2572	.0591	3.284	.0976

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2288.0	69717.	9347.7
Stddev	7.1	119.	53.8
%RSD	.30963	.17118	.57515
#1	2293.1	69801.	9309.7
#2	2283.0	69632.	9385.7

Zoom In Zoom Out

Sample Name: MP21551-PS1 Acquired: 8/29/2013 12:31:59 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	132.8	.0639	-.0011	.1274	.6070	.0065	537.6	.0026	.0935
Stddev	.0002	.1	.0011	.0016	.0001	.0006	.0000	7.0	.0001	.0006
%RSD	53.44	.0425	1.723	142.2	.1047	.0976	.2285	1.309	3.278	.6762
#1	-.0003	132.8	.0647	.0000	.1273	.6074	.0065	532.6	.0026	.0931
#2	-.0006	132.7	.0631	-.0023	.1275	.6066	.0065	542.5	.0027	.0940

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1761	.2116	192.0	26.99	148.6	3.857	.0068	.7387	.2131	.0995
Stddev	.0005	.0013	.3	.03	.1	.004	.0001	.0074	.0007	.0008
%RSD	.2623	.6329	.1405	.0925	.0368	.1178	1.245	1.007	.3241	.7632
#1	.1758	.2106	191.8	26.98	148.6	3.854	.0068	.7439	.2126	.0990
#2	.1764	.2125	192.2	27.01	148.7	3.860	.0069	.7334	.2136	.1000

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0319	.0078	.0172	-.0029	4.065	.0055	.4592	1.224	-.0031	.2226
Stddev	.0002	.0001	.0003	.0007	.008	.0003	.0003	.004	.0011	.0005
%RSD	.5500	1.601	1.891	23.23	.1935	6.302	.0629	.3578	34.05	.2158
#1	-.0320	.0077	.0174	-.0024	4.059	.0052	.4594	1.221	-.0038	.2223
#2	-.0318	.0079	.0170	-.0034	4.070	.0057	.4590	1.227	-.0023	.2229

Elem	W_2397	Zn2062	Zr3391
Avg	-.0060	.4363	.0496
Stddev	.0011	.0003	.0005
%RSD	18.87	.0780	.9155
#1	-.0068	.4360	.0493
#2	-.0052	.4365	.0499

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2646.6	81826.	11263.
Stddev	5.2	271.	68.
%RSD	.19809	.33089	.60402
#1	2642.9	82017.	11311.
#2	2650.3	81634.	11215.

Zoom In Zoom Out

Sample Name: MP21555-PS1 Acquired: 8/29/2013 12:36:24 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	87.06	.0282	.0013	.0477	.8121	.0033	122.9	.0048	.0650
Stddev	.0003	1.35	.0002	.0005	.0001	.0125	.0000	2.0	.0001	.0002
%RSD	97.26	1.549	.5891	36.70	.2827	1.535	1.294	1.644	1.768	.2898
#1	.0001	88.02	.0281	.0016	.0478	.8209	.0033	124.3	.0048	.0648
#2	.0006	86.11	.0283	.0009	.0476	.8033	.0034	121.5	.0049	.0651

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1296	.3416	119.3	15.27	25.16	3.634	.0089	2.925	.0966	5.390
Stddev	.0010	.0004	1.9	.28	.47	.022	.0002	.037	.0002	.011
%RSD	.7972	.1206	1.581	1.822	1.881	.6201	2.045	1.280	.2587	.1996
#1	.1289	.3419	120.6	15.46	25.49	3.618	.0091	2.951	.0964	5.382
#2	.1303	.3413	118.0	15.07	24.82	3.650	.0088	2.898	.0967	5.397

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0053	.0093	-.0010	.0010	5.120	.0601	.5664	5.041	-.0032	.2051
Stddev	.0005	.0070	.0001	.0006	.004	.0001	.0085	.021	.0005	.0004
%RSD	9.315	75.28	8.974	61.38	.0884	.2151	1.494	.4085	16.55	.1777
#1	-.0050	.0043	-.0009	.0006	5.117	.0600	.5724	5.026	-.0036	.2049
#2	-.0057	.0142	-.0011	.0014	5.123	.0602	.5604	5.055	-.0028	.2054

Elem	W_2397	Zn2062	Zr3391
Avg	-.0063	1.559	.0091
Stddev	.0030	.001	.0002
%RSD	48.08	.0730	1.882
#1	-.0084	1.558	.0093
#2	-.0042	1.560	.0090

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2356.2	71997.	9972.7
Stddev	3.4	16.	219.1
%RSD	.14359	.02254	2.1969
#1	2358.6	72009.	9817.8
#2	2353.8	71986.	10128.

Zoom In Zoom Out

Sample Name: MP21562-B1 Acquired: 8/29/2013 12:40:43 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2090	2.053	.5696	-.0008	.0019	1.953	.4760	.0167	.5371
Stddev	.0006	.007	.0001	.0001	.0001	.005	.0013	.0027	.0004
%RSD	.2651	.3570	.0219	12.16	3.749	.2579	.2735	16.41	.0819
#1	.2094	2.058	.5695	-.0008	.0019	1.956	.4769	.0187	.5374
#2	.2086	2.048	.5697	-.0009	.0020	1.949	.4751	.0148	.5368

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5197	.5185	.4934	2.008	.3602	.0188	.4851	.0008	F1183.
Stddev	.0009	.0006	.0005	.001	.0332	.0042	.0008	.0001	10.
%RSD	.1780	.1142	.0953	.0600	9.213	22.13	.1567	12.98	.8039
#1	.5204	.5181	.4937	2.007	.3367	.0159	.4856	.0007	1176.
#2	.5191	.5189	.4931	2.009	.3837	.0218	.4845	.0008	1189.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.4795	.9633	-.0016	.0001	.5211	.5707	.0848	.0022	.4999
Stddev	.0001	.0019	.0019	.0002	.0018	.0018	.0031	.0002	.0016
%RSD	.0147	.1939	116.0	210.4	.3516	.3075	3.680	9.766	.3292
#1	.4796	.9646	-.0003	-.0001	.5224	.5719	.0826	.0020	.5011
#2	.4795	.9620	-.0029	.0003	.5198	.5694	.0870	.0023	.4988

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4900	.4882	.5205	.0116	.5367	.0013
Stddev	.0008	.0020	.0004	.0034	.0008	.0000
%RSD	.1627	.4166	.0828	29.52	.1503	2.426
#1	.4905	.4868	.5202	.0092	.5372	.0013
#2	.4894	.4897	.5208	.0141	.5361	.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2156.3	66002.	9248.2
Stddev	2.0	172.	43.4
%RSD	.09100	.26112	.46973
#1	2154.9	66124.	9217.4
#2	2157.6	65880.	9278.9

Zoom In Zoom Out

Sample Name: MP21562-MB1 Acquired: 8/29/2013 12:45:03 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	.0222	.0004	-.0015	.0003	.0003	.0001	-.0016	.0001	.0000
Stddev	.0005	.0068	.0001	.0010	.0004	.0001	.0001	.0016	.0001	.000
%RSD	577.3	30.41	26.86	69.51	166.3	20.11	91.49	97.60	159.6	1067.
#1	-.0003	.0270	.0004	-.0007	.0000	.0003	.0000	-.0027	.0001	.0000
#2	.0004	.0174	.0005	-.0022	.0006	.0004	.0001	-.0005	.0000	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	-.0008	.0026	.0479	-.0148	.0004	.0002	.5842	.0000	-.0001
Stddev	.0000	.0005	.0010	.0129	.0024	.0000	.0000	.0187	.0003	.0001
%RSD	77.70	66.07	38.04	26.98	16.05	3.269	24.98	3.197	667.1	181.4
#1	.0000	-.0004	.0019	.0387	-.0131	.0004	.0002	.5975	.0002	-.0001
#2	.0001	-.0011	.0033	.0570	-.0165	.0004	.0002	.5710	-.0002	.0000

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0006	-.0006	.0015	.0000	.0268	.0003	.0000	-.0003	-.0007	.0004
Stddev	.0001	.0007	.0001	.001	.0008	.0003	.0001	.0001	.0007	.0003
%RSD	16.65	120.9	3.862	2216.	2.821	81.93	445.0	38.02	102.2	90.88
#1	.0007	-.0001	.0015	.0007	.0274	.0001	.0000	-.0003	-.0011	.0001
#2	.0005	-.0011	.0016	-.0007	.0263	.0005	.0001	-.0002	-.0002	.0006

Elem	W_2397	Zn2062	Zr3391
Avg	.0055	.0006	.0001
Stddev	.0034	.0002	.0001
%RSD	61.23	31.68	126.6
#1	.0031	.0004	.0000
#2	.0079	.0007	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2244.0	68350.	9126.5
Stddev	7.0	422.	149.1
%RSD	.31411	.61756	1.6340
#1	2239.1	68052.	9021.1
#2	2249.0	68648.	9232.0

Zoom In Zoom Out

Sample Name: MP21562-S1 Acquired: 8/29/2013 12:49:25 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2201	2.113	.6026	-.0064	.0659	2.871	.4862	F625.5	.5643
Stddev	.0012	.021	.0017	.0008	.0007	.009	.0030	2.2	.0005
%RSD	.5262	.9753	.2794	12.09	1.127	.3165	.6148	.3457	.0858
#1	.2193	2.127	.6038	-.0070	.0665	2.877	.4883	627.0	.5640
#2	.2209	2.098	.6014	-.0059	.0654	2.864	.4841	624.0	.5647

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5507	.5211	.5174	48.02	2.668	10.37	4.945	.0068	F1181.
Stddev	.0007	.0038	.0017	.20	.004	.09	.027	.0001	12.
%RSD	.1270	.7341	.3319	.4269	.1609	.9093	.5462	2.077	.9855
#1	.5512	.5238	.5187	48.17	2.671	10.43	4.926	.0069	1189.
#2	.5502	.5184	.5162	47.88	2.665	10.30	4.964	.0067	1173.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.6283	.9726	-.0342	.0220	.5554	.5883	1.920	.0019	5.100
Stddev	.0005	.0009	.0013	.0014	.0000	.0017	.002	.0003	.114
%RSD	.0736	.0928	3.762	6.484	.0023	.2902	.1106	13.72	2.235
#1	.6286	.9733	-.0351	.0231	.5554	.5871	1.921	.0017	5.020
#2	.6280	.9720	-.0333	.0210	.5554	.5895	1.918	.0021	5.181

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.5043	.4845	.5329	.0015	.8108	-.0013
Stddev	.0021	.0020	.0025	.0020	.0010	.0002
%RSD	.4091	.4074	.4682	130.4	.1266	15.71
#1	.5058	.4831	.5346	.0029	.8115	-.0011
#2	.5029	.4859	.5311	.0001	.8101	-.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2052.7	64441.	8954.1
Stddev	.1	11.	18.3
%RSD	.00595	.01718	.20446
#1	2052.6	64433.	8941.2
#2	2052.8	64449.	8967.1

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/29/2013 12:54:01 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2577	9.947	2.055	-.0017	1.970	1.965	1.938	10.16	2.090	2.155
Stddev	.0008	.004	.004	.0005	.001	.000	.002	.00	.002	.005
%RSD	.3031	.0444	.1968	27.21	.0468	.0221	.1179	.0287	.0802	.2204
#1	.2582	9.950	2.058	-.0014	1.971	1.965	1.937	10.16	2.092	2.159
#2	.2571	9.944	2.052	-.0020	1.970	1.964	1.940	10.16	2.089	2.152

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.037	2.041	9.945	9.995	9.639	1.982	2.057	10.43	1.989	2.008
Stddev	.006	.013	.013	.011	.011	.006	.003	.02	.004	.004
%RSD	.2853	.6240	.1310	.1079	.1131	.3037	.1423	.2300	.1735	.2048
#1	2.033	2.050	9.936	10.00	9.647	1.978	2.059	10.45	1.991	2.011
#2	2.041	2.032	9.954	9.987	9.631	1.986	2.055	10.42	1.986	2.005

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0000	.0048	2.038	2.034	.1975	2.019	2.092	2.008	2.084	2.062
Stddev	.001	.0018	.003	.006	.0005	.004	.002	.000	.007	.002
%RSD	4440.	36.55	.1414	.2948	.2739	.1976	.0743	.0197	.3147	.1036
#1	-.0010	.0061	2.040	2.038	.1979	2.022	2.093	2.008	2.089	2.060
#2	.0009	.0036	2.036	2.029	.1972	2.017	2.091	2.008	2.079	2.063

Elem	W_2397	Zn2062	Zr3391
Avg	-.0046	2.071	-.0037
Stddev	.0053	.005	.0004
%RSD	113.8	.2374	12.13
#1	-.0009	2.074	-.0034
#2	-.0084	2.067	-.0040

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2257.9	67166.	9031.4
Stddev	3.5	539.	.5
%RSD	.15460	.80293	.00528
#1	2255.5	67548.	9031.0
#2	2260.4	66785.	9031.7

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/29/2013 12:58:12 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	.0169	.0002	-.0003	.0013	.0002	.0001	.0027	.0002	.0003
Stddev	.0002	.0108	.0010	.0028	.0001	.0001	.0000	.0043	.0002	.0002
%RSD	39.21	63.61	486.3	855.3	11.10	42.08	10.70	162.2	98.92	75.56
#1	-.0004	.0246	-.0005	.0016	.0014	.0001	.0001	-.0004	.0003	.0002
#2	-.0007	.0093	.0009	-.0023	.0012	.0003	.0001	.0057	.0001	.0005

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	-.0009	.0009	.0378	.0217	.0001	.0023	.3239	.0001	.0004
Stddev	.0001	.0003	.0012	.0047	.0066	.0000	.0007	.0095	.0001	.0010
%RSD	67.81	34.84	130.1	12.49	30.51	26.61	30.50	2.937	98.46	243.2
#1	.0001	-.0007	.0018	.0412	.0170	.0001	.0028	.3307	.0000	.0011
#2	.0002	-.0011	.0001	.0345	.0264	.0001	.0018	.3172	.0002	-.0003

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0009	-.0025	.0001	.0004	.0129	.0007	.0000	.0002	.0014	.0008
Stddev	.0006	.0021	.0006	.0002	.0011	.0003	.000	.0001	.0003	.0000
%RSD	71.91	82.95	540.6	42.50	8.388	36.87	9580.	51.40	20.43	5.023
#1	-.0004	-.0010	.0005	.0005	.0122	.0005	.0001	.0003	.0016	.0008
#2	-.0013	-.0040	-.0003	.0003	.0137	.0009	-.0001	.0001	.0012	.0007

Elem	W_2397	Zn2062	Zr3391
Avg	.0005	.0001	.0002
Stddev	.0020	.0001	.0002
%RSD	415.2	114.4	95.12
#1	-.0010	.0000	.0003
#2	.0019	.0002	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2269.6	67987.	8942.0
Stddev	1.8	328.	10.3
%RSD	.07846	.48197	.11466
#1	2270.9	68218.	8934.7
#2	2268.4	67755.	8949.2

Zoom In Zoom Out

Sample Name: MP21562-S2 Acquired: 8/29/2013 13:02:34 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2176	2.121	.5973	-.0058	.0666	2.862	.4896	F625.3	.5568
Stddev	.0003	.023	.0039	.0015	.0002	.005	.0012	4.0	.0007
%RSD	.1282	1.103	.6526	25.67	.2288	.1626	.2458	.6470	.1240
#1	.2178	2.104	.5945	-.0047	.0665	2.859	.4888	628.2	.5563
#2	.2174	2.137	.6000	-.0068	.0667	2.865	.4905	622.5	.5573

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5454	.5183	.5117	47.84	2.634	10.44	4.944	.0073	F1187.
Stddev	.0009	.0006	.0004	.12	.007	.03	.038	.0002	16.
%RSD	.1597	.1218	.0876	.2545	.2495	.3170	.7763	2.170	1.343
#1	.5448	.5178	.5114	47.76	2.630	10.47	4.917	.0071	1176.
#2	.5461	.5187	.5120	47.93	2.639	10.42	4.971	.0074	1198.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.6229	.9612	-.0335	.0220	.5501	.5858	1.895	.0017	5.083
Stddev	.0009	.0002	.0010	.0046	.0011	.0001	.004	.0000	.110
%RSD	.1511	.0241	2.866	20.69	.2054	.0121	.2272	1.694	2.166
#1	.6222	.9613	-.0342	.0252	.5509	.5859	1.892	.0017	5.005
#2	.6236	.9610	-.0328	.0188	.5493	.5858	1.898	.0017	5.161

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.5029	.4834	.5293	.0010	.8025	-.0025
Stddev	.0006	.0010	.0000	.0030	.0010	.0004
%RSD	.1180	.2098	.0076	301.5	.1192	15.22
#1	.5033	.4841	.5293	.0031	.8018	-.0028
#2	.5025	.4827	.5294	-.0011	.8032	-.0022

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2063.6	64314.	8913.9
Stddev	1.6	39.	61.4
%RSD	.07814	.06100	.68836
#1	2064.7	64287.	8957.3
#2	2062.4	64342.	8870.5

Zoom In Zoom Out

Sample Name: MC23874-1 Acquired: 8/29/2013 13:07:10 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0001	-.0493	.0135	-.0056	.1554	.8634	.0001	F627.5
Stddev	.0001	.0095	.0002	.0013	.0009	.0179	.0001	11.0
%RSD	232.9	19.33	1.446	23.10	.5954	2.077	50.34	1.751
#1	-.0001	-.0426	.0134	-.0047	.1561	.8507	.0002	619.7
#2	.0000	-.0561	.0136	-.0065	.1548	.8761	.0001	635.2

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0004	.0286	.0014	.0003	44.74	2.941	10.68	4.436
Stddev	.0000	.0003	.0003	.0001	1.05	.023	.09	.011
%RSD	3.896	1.191	20.99	36.02	2.355	.7865	.8124	.2367
#1	.0005	.0288	.0012	.0002	44.00	2.957	10.62	4.428
#2	.0004	.0284	.0016	.0003	45.49	2.925	10.74	4.443

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0067	F1185.	.1521	.0017	-.0356	.0204	.0105	.0062
Stddev	.0001	33.	.0008	.0006	.0008	.0062	.0010	.0005
%RSD	1.474	2.778	.5106	34.68	2.333	30.40	9.591	7.396
#1	.0068	1162.	.1516	.0021	-.0350	.0248	.0098	.0065
#2	.0066	1208.	.1527	.0013	-.0362	.0160	.0112	.0059

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	1.975	.0023	4.516	.0041	F-.0119	.0018	.0051	.2886
Stddev	.009	.0005	.132	.0004	.0012	.0003	.0026	.0011
%RSD	.4623	21.50	2.911	10.66	9.684	17.31	51.72	.3713
#1	1.981	.0019	4.423	.0038	-.0111	.0016	.0032	.2893
#2	1.969	.0026	4.609	.0044	-.0128	.0021	.0069	.2878

Elem	Zr3391
Avg	-.0009
Stddev	.0001
%RSD	6.154
#1	-.0009
#2	-.0009

Zoom In Zoom Out

Sample Name: MC23874-1 Acquired: 8/29/2013 13:07:10 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2044.2	64179.	8918.2
Stddev	5.1	374.	240.1
%RSD	.25106	.58291	2.6919
#1	2040.5	64444.	9087.9
#2	2047.8	63915.	8748.4

Zoom In Zoom Out

Sample Name: MP21562-SD1 Acquired: 8/29/2013 13:11:49 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0012	.0438	.0180	-.0076	.1591	.8522	-.0001	637.4	.0004	.0282
Stddev	.0004	.0075	.0003	.0017	.0001	.0090	.0004	8.0	.0000	.0007
%RSD	33.31	17.14	1.818	21.96	.0330	1.053	330.9	1.258	11.96	2.531
#1	-.0009	.0385	.0178	-.0064	.1591	.8585	-.0004	643.1	.0004	.0277
#2	-.0015	.0491	.0183	-.0088	.1591	.8458	.0002	631.7	.0004	.0287

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0034	-.0044	46.67	2.826	11.16	4.623	.0080	1243.	.1573	.0006
Stddev	.0010	.0020	.51	.096	.08	.007	.0006	31.	.0009	.0057
%RSD	28.79	45.51	1.086	3.411	.7038	.1450	7.834	2.497	.5785	911.2
#1	.0041	-.0058	47.03	2.894	11.10	4.628	.0075	1265.	.1567	-.0034
#2	.0027	-.0030	46.31	2.758	11.21	4.618	.0084	1221.	.1580	.0047

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0415	.0109	.0171	.0036	1.971	.0011	4.421	.0054	-.0097	.0040
Stddev	.0001	.0328	.0005	.0067	.026	.0003	.058	.0013	.0089	.0008
%RSD	.1226	300.8	3.077	187.8	1.305	27.84	1.313	24.59	92.02	19.41
#1	-.0414	-.0123	.0174	.0084	1.952	.0013	4.462	.0064	-.0034	.0035
#2	-.0415	.0341	.0167	-.0012	1.989	.0009	4.380	.0045	-.0160	.0046

Elem	W_2397	Zn2062	Zr3391
Avg	.0404	.3026	-.0008
Stddev	.0163	.0036	.0012
%RSD	40.40	1.174	150.7
#1	.0520	.3001	.0001
#2	.0289	.3051	-.0017

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2213.2	67460.	9322.4
Stddev	1.7	263.	141.8
%RSD	.07858	.39006	1.5211
#1	2212.0	67274.	9222.1
#2	2214.4	67646.	9422.7

Zoom In Zoom Out

Sample Name: MP21562-LB1 Acquired: 8/29/2013 13:16:15 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0001	.0152	.0005	.0000	.0002	.0016	.0000	.0161
Stddev	.0001	.0066	.0008	.0013	.0005	.0000	.000	.0029
%RSD	78.18	43.55	161.6	9200.	214.8	.7712	26.60	18.00
#1	.0000	.0199	-.0001	-.0009	.0006	.0015	.0000	.0182
#2	.0001	.0105	.0011	.0009	-.0001	.0016	.0000	.0141

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0001	-.0001	.0009	-.0006	.0035	.3071	.0262	.0004
Stddev	.0000	.0001	.0005	.0000	.0012	.0233	.0489	.0000
%RSD	33.52	126.0	49.61	3.976	33.07	7.582	186.4	2.596
#1	.0001	.0000	.0013	-.0007	.0044	.3236	.0608	.0004
#2	.0002	-.0001	.0006	-.0006	.0027	.2906	-.0083	.0004

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0004	F1219.	.0026	.0009	-.0014	.0048	.0008	.0052
Stddev	.0000	17.	.0004	.0005	.0010	.0028	.0008	.0014
%RSD	4.971	1.373	14.78	51.61	68.90	58.49	97.70	27.71
#1	.0005	1207.	.0028	.0006	-.0007	.0028	.0014	.0042
#2	.0004	1231.	.0023	.0013	-.0021	.0068	.0003	.0062

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	.0551	.0032	.0017	-.0004	F-.0110	.0002	.0078	.0009
Stddev	.0002	.0003	.0001	.0004	.0001	.0006	.0036	.0001
%RSD	.3738	9.561	2.961	88.29	.5903	376.6	45.91	6.531
#1	.0550	.0030	.0017	-.0002	-.0109	.0006	.0053	.0010
#2	.0552	.0034	.0017	-.0007	-.0110	-.0003	.0104	.0009

Elem	Zr3391
Avg	.0001
Stddev	.0001
%RSD	79.51
#1	.0001
#2	.0002

Zoom In Zoom Out

Sample Name: MP21562-LB1 Acquired: 8/29/2013 13:16:15 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2178.4	65523.	9069.1
Stddev	1.3	318.	70.5
%RSD	.06109	.48525	.77774
#1	2177.5	65298.	9119.0
#2	2179.4	65748.	9019.2

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/29/2013 13:24:29 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0052	.2188	.0044	.0005	.1005	.0514	.0042	5.092	.0045	.0545
Stddev	.0006	.0066	.0005	.0007	.0001	.0001	.0001	.005	.0001	.0004
%RSD	11.46	3.037	11.83	160.1	.0829	.2047	2.052	.0989	2.736	.7308
#1	.0048	.2235	.0048	.0010	.1004	.0515	.0043	5.088	.0044	.0542
#2	.0056	.2141	.0040	-.0001	.1005	.0513	.0042	5.096	.0046	.0547

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0107	.0250	.1040	5.036	4.868	.0162	.1040	5.567	.0412	.0051
Stddev	.0003	.0004	.0009	.045	.020	.0001	.0005	.009	.0004	.0005
%RSD	2.378	1.434	.9030	.8890	.4140	.4415	.4746	.1535	.8784	9.472
#1	.0109	.0247	.1047	5.004	4.882	.0163	.1037	5.573	.0410	.0047
#2	.0106	.0252	.1034	5.068	4.854	.0162	.1044	5.561	.0415	.0054

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0005	.0042	.0075	.0089	.0134	.1019	.0106	.0529	.0058	.0111
Stddev	.0020	.0057	.0000	.0002	.0001	.0005	.0001	.0000	.0004	.0007
%RSD	435.8	137.8	.5929	2.436	.7131	.4996	1.071	.0028	6.459	6.308
#1	-.0019	.0001	.0075	.0087	.0134	.1015	.0105	.0529	.0061	.0116
#2	.0010	.0082	.0076	.0090	.0133	.1022	.0107	.0529	.0056	.0106

Elem	W_2397	Zn2062	Zr3391
Avg	.0055	.0219	-.0001
Stddev	.0004	.0001	.0002
%RSD	6.728	.2333	310.0
#1	.0057	.0219	.0001
#2	.0052	.0220	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2290.9	68110.	8957.7
Stddev	1.4	336.	79.1
%RSD	.06216	.49391	.88273
#1	2291.9	67872.	9013.7
#2	2289.9	68348.	8901.8

Zoom In Zoom Out

Sample Name: CRIA Acquired: 8/29/2013 13:30:39 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0053	.2218	.0102	-.0010	.1003	.0509	.0041	5.122	.0045	.0540
Stddev	.0001	.0092	.0003	.0016	.0006	.0005	.0000	.001	.0001	.0002
%RSD	2.132	4.134	2.552	171.3	.5876	1.065	.3057	.0167	1.586	.3693
#1	.0054	.2153	.0100	-.0021	.0999	.0505	.0042	5.121	.0045	.0538
#2	.0053	.2283	.0104	.0002	.1007	.0513	.0041	5.122	.0046	.0541

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0103	.0245	.1004	5.075	4.894	.0156	.1037	5.431	.0406	.0100
Stddev	.0002	.0000	.0009	.003	.033	.0000	.0009	.003	.0001	.0006
%RSD	1.571	.1666	.8623	.0584	.6711	.2298	.8342	.0632	.3204	5.716
#1	.0104	.0245	.1010	5.073	4.871	.0156	.1030	5.429	.0405	.0096
#2	.0102	.0245	.0998	5.077	4.917	.0157	.1043	5.434	.0407	.0104

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0018	.0023	.0113	.0094	.0155	.1009	.0103	.0520	.0108	.0111
Stddev	.0032	.0025	.0000	.0021	.0012	.0001	.0001	.0000	.0005	.0003
%RSD	182.4	111.7	.1539	22.15	7.870	.1388	.7465	.0468	4.511	2.394
#1	-.0040	.0005	.0113	.0079	.0146	.1008	.0104	.0520	.0104	.0113
#2	.0005	.0040	.0113	.0108	.0163	.1010	.0103	.0520	.0111	.0109

Elem	W_2397	Zn2062	Zr3391
Avg	.0057	.0218	-.0003
Stddev	.0047	.0004	.0001
%RSD	82.09	1.954	27.03
#1	.0090	.0215	-.0003
#2	.0024	.0221	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2294.0	68289.	8994.5
Stddev	4.0	105.	139.7
%RSD	.17470	.15446	1.5527
#1	2291.2	68215.	9093.2
#2	2296.8	68364.	8895.7

Zoom In Zoom Out

Sample Name: CRIB Acquired: 8/29/2013 13:35:03 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0053	.2160	.0105	-.0003	.1003	.5139	.0041	5.076	.0045	.0541
Stddev	.0002	.0132	.0010	.0002	.0003	.0011	.0000	.003	.0001	.0002
%RSD	4.016	6.103	9.671	64.24	.3232	.2197	.5652	.0618	3.261	.4007
#1	.0054	.2253	.0098	-.0002	.1000	.5147	.0041	5.078	.0046	.0540
#2	.0051	.2067	.0112	-.0005	.1005	.5131	.0041	5.074	.0044	.0543

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0107	.0236	.1028	5.083	4.913	.0158	.1037	5.328	.0407	.0100
Stddev	.0006	.0000	.0017	.033	.036	.0001	.0007	.010	.0003	.0004
%RSD	5.390	.1552	1.680	.6528	.7299	.5810	.6866	.1814	.8143	4.182
#1	.0111	.0236	.1016	5.106	4.888	.0159	.1032	5.321	.0404	.0103
#2	.0103	.0236	.1040	5.059	4.938	.0157	.1042	5.335	.0409	.0097

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0014	.0020	.0073	.0263	.0158	.1012	.0103	.0518	.0064	.0110
Stddev	.0012	.0017	.0002	.0017	.0003	.0012	.0001	.0004	.0002	.0002
%RSD	85.38	82.73	3.090	6.276	1.773	1.215	.5983	.8270	2.449	1.385
#1	-.0022	.0032	.0072	.0275	.0160	.1003	.0104	.0521	.0063	.0109
#2	-.0005	.0008	.0075	.0252	.0156	.1021	.0103	.0515	.0066	.0111

Elem	W_2397	Zn2062	Zr3391
Avg	.0028	.1115	-.0004
Stddev	.0028	.0009	.0001
%RSD	101.5	.7836	30.83
#1	.0048	.1109	-.0003
#2	.0008	.1121	-.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2301.3	68278.	8899.5
Stddev	2.3	401.	79.0
%RSD	.09835	.58670	.88798
#1	2302.9	67995.	8955.4
#2	2299.7	68562.	8843.7

Zoom In Zoom Out

Sample Name: ICSA Acquired: 8/29/2013 13:39:26 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	515.1	-.0011	.0029	.0018	-.0005	.0001	451.1	.0002	.0010
Stddev	.0001	11.6	.0004	.0003	.0004	.0001	.0000	4.3	.0002	.0001
%RSD	54.91	2.255	40.42	10.39	21.55	20.41	54.18	.9561	71.61	8.479
#1	-.0001	506.9	-.0014	.0031	.0021	-.0004	.0001	448.1	.0003	.0011
#2	-.0003	523.3	-.0008	.0027	.0016	-.0006	.0000	454.2	.0001	.0009

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0001	-.0010	182.9	.0668	479.0	-.0002	-.0006	.5395	-.0015	-.0004
Stddev	.0001	.0004	2.2	.0043	6.0	.0000	.0002	.0083	.0001	.0001
%RSD	80.73	40.36	1.207	6.475	1.245	8.790	26.59	1.538	4.555	24.71
#1	.0001	-.0013	181.3	.0699	474.8	-.0001	-.0007	.5337	-.0016	-.0003
#2	.0002	-.0007	184.4	.0638	483.2	-.0002	-.0005	.5454	-.0015	-.0005

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0346	-.0223	.0002	-.0016	.0569	.0004	.0016	.0088	-.0012	.0000
Stddev	.0006	.0008	.0000	.0001	.0005	.0001	.0000	.0002	.0016	.0003
%RSD	1.668	3.673	17.32	3.332	.9546	30.47	.4567	2.450	135.3	2277.
#1	-.0350	-.0217	.0002	-.0017	.0565	.0005	.0016	.0087	-.0023	-.0002
#2	-.0342	-.0229	.0003	-.0016	.0572	.0003	.0016	.0090	.0000	.0002

Elem	W_2397	Zn2062	Zr3391
Avg	-.0397	-.0010	.0001
Stddev	.0029	.0000	.0001
%RSD	7.232	5.009	53.32
#1	-.0417	-.0010	.0001
#2	-.0376	-.0010	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2099.5	63272.	9037.3
Stddev	3.5	79.	86.0
%RSD	.16461	.12460	.95113
#1	2097.1	63216.	9098.1
#2	2102.0	63328.	8976.6

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 8/29/2013 13:43:54 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.074	530.2	2.084	.5071	.9976	.5156	.4716	465.6	1.061	.4944
Stddev	.003	8.7	.009	.0022	.0001	.0020	.0019	1.3	.002	.0020
%RSD	.2907	1.636	.4549	.4318	.0060	.3877	.3979	.2709	.1956	.4105
#1	1.076	524.0	2.090	.5055	.9976	.5142	.4703	464.7	1.062	.4958
#2	1.071	536.3	2.077	.5086	.9976	.5171	.4729	466.5	1.059	.4929

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4974	.5204	189.5	.0535	495.0	.4912	.9858	.5127	.8850	.9178
Stddev	.0035	.0010	.5	.0135	2.3	.0008	.0007	.0004	.0018	.0014
%RSD	.6947	.1954	.2787	25.23	.4632	.1670	.0719	.0811	.1995	.1521
#1	.4949	.5211	189.2	.0440	493.4	.4906	.9863	.5130	.8863	.9168
#2	.4998	.5197	189.9	.0631	496.6	.4918	.9853	.5124	.8838	.9188

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.4933	.4741	2.098	2.058	2.171	.9926	1.034	.5120	1.951	.5142
Stddev	.0011	.0057	.005	.004	.002	.0032	.003	.0011	.001	.0001
%RSD	.2132	1.196	.2300	.2044	.0793	.3261	.2408	.2070	.0259	.0246
#1	.4926	.4701	2.101	2.061	2.172	.9949	1.032	.5113	1.951	.5141
#2	.4940	.4781	2.094	2.055	2.170	.9904	1.035	.5128	1.951	.5143

Elem	W_2397	Zn2062	Zr3391
Avg	1.888	.9428	.4292
Stddev	.004	.0039	.0027
%RSD	.2163	.4126	.6312
#1	1.886	.9456	.4273
#2	1.891	.9401	.4312

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2102.8	62850.	8793.3
Stddev	4.2	270.	8.1
%RSD	.20095	.43014	.09253
#1	2099.8	63041.	8787.6
#2	2105.8	62659.	8799.1

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/29/2013 13:48:16 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2548	10.08	2.019	-.0027	1.974	1.971	1.970	10.32	2.037	2.113
Stddev	.0008	.00	.003	.0008	.003	.003	.005	.03	.003	.003
%RSD	.3135	.0252	.1436	28.13	.1575	.1384	.2362	.3026	.1387	.1599
#1	.2553	10.08	2.017	-.0033	1.972	1.973	1.974	10.34	2.035	2.111
#2	.2542	10.08	2.021	-.0022	1.976	1.969	1.967	10.30	2.039	2.116

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.015	2.005	10.07	9.902	9.906	1.988	2.020	10.10	1.974	1.978
Stddev	.004	.001	.01	.037	.003	.002	.003	.01	.003	.001
%RSD	.1962	.0526	.0778	.3775	.0333	.1222	.1583	.1170	.1494	.0234
#1	2.018	2.005	10.08	9.929	9.908	1.990	2.018	10.10	1.971	1.978
#2	2.012	2.006	10.06	9.876	9.903	1.986	2.022	10.09	1.976	1.979

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0009	.0058	2.012	2.006	.1799	2.017	2.069	1.999	2.034	2.030
Stddev	.0015	.0036	.001	.001	.0004	.005	.004	.001	.001	.003
%RSD	172.3	61.05	.0521	.0402	.2200	.2742	.1977	.0275	.0677	.1405
#1	-.0002	.0033	2.011	2.006	.1802	2.013	2.072	1.999	2.033	2.032
#2	.0019	.0084	2.013	2.007	.1796	2.021	2.066	1.998	2.035	2.028

Elem	W_2397	Zn2062	Zr3391
Avg	.0046	2.018	.0094
Stddev	.0007	.004	.0024
%RSD	15.13	.2203	26.03
#1	.0051	2.015	.0111
#2	.0041	2.022	.0077

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2296.6	67803.	9034.5
Stddev	6.9	454.	38.3
%RSD	.30194	.66991	.42447
#1	2301.5	67482.	9061.6
#2	2291.7	68124.	9007.4

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/29/2013 13:52:28 Type: Unk
Method: Accutest -SS2(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	.0217	.0001	-.0009	.0025	.0002	.0001	.0034	.0003	.0003
Stddev	.0002	.0022	.0005	.0005	.0000	.0000	.0002	.0010	.0003	.0000
%RSD	78.77	10.20	658.0	60.38	.8888	16.66	179.8	29.93	113.3	8.065
#1	-.0001	.0233	-.0003	-.0005	.0025	.0002	.0000	.0027	.0005	.0003
#2	-.0005	.0201	.0004	-.0012	.0025	.0002	.0002	.0041	.0001	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	-.0006	.0023	.0356	.0497	.0001	.0024	.1934	.0001	.0005
Stddev	.0001	.0003	.0016	.0330	.0329	.0001	.0006	.0059	.0001	.0001
%RSD	34.89	55.15	70.09	92.72	66.15	65.22	26.83	3.026	52.87	12.59
#1	.0001	-.0004	.0011	.0590	.0730	.0002	.0029	.1893	.0002	.0005
#2	.0002	-.0008	.0034	.0123	.0265	.0001	.0020	.1975	.0001	.0006

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0002	.0000	.0007	-.0008	.0072	.0004	.0000	-.0002	.0012	.0006
Stddev	.0014	.000	.0005	.0003	.0008	.0001	.0000	.0000	.0019	.0001
%RSD	796.2	328.9	76.05	40.58	11.14	21.28	45.99	11.31	155.9	16.56
#1	.0008	.0001	.0003	-.0010	.0066	.0004	.0000	-.0001	.0026	.0007
#2	-.0012	-.0002	.0010	-.0005	.0077	.0003	.0000	-.0002	-.0001	.0006

Elem	W_2397	Zn2062	Zr3391
Avg	.0071	.0002	.0002
Stddev	.0019	.0001	.0000
%RSD	27.08	63.48	9.144
#1	.0084	.0001	.0002
#2	.0057	.0002	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2304.4	68643.	9016.6
Stddev	4.4	49.	140.2
%RSD	.18958	.07099	1.5545
#1	2307.5	68678.	8917.5
#2	2301.3	68609.	9115.7

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	0.000004	0.000000	No
			Co	0.000025	0.000000	No
			Mn	0.000046	0.000000	No
			Mo	-0.000089	0.000000	No
			Cu	0.000019	0.000000	No
			Ti	-0.000107	0.000000	No
			Al	-0.000001	0.000000	No
			Zr	0.003788	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.001390	0.000000	No
			Mo	0.045874	0.000000	No
			Ca	0.000201	0.000000	No
As 189.042 {479}	☒	9	V	0.000180	0.000000	No
			Al	0.000008	0.000000	No
			Mo	0.001534	0.000000	No
			Fe	-0.000001	0.000000	No
			Mn	0.000133	0.000000	No
			Ca	0.000004	0.000000	No
			Mg	0.000001	0.000000	No
			Cr	0.000300	0.000000	No
			Na	-0.000000	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000122	0.000000	No
			Mn	0.010681	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.044007	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000005	0.000000	No
Be 313.042 {108}	☒	3	V	0.000027	0.000000	No
			Mo	-0.000032	0.000000	No
			Ti	-0.000279	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	5	Ni	-0.000027	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000011	0.000000	No
			Ca	0.000001	0.000000	No
			Pt	-0.011956	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000043	0.000000	No
			Mo	-0.000136	0.000000	No
			Ti	0.001721	0.000000	No
			Ca	-0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000004	0.000000	No
			Mn	0.000091	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000098	0.000000	No
			V	-0.000207	0.000000	No
			Mo	0.000488	0.000000	No
			Co	-0.000350	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000483	0.000000	No
			Co	0.000765	0.000000	No
			Cr	0.002515	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000008	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000129	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Al	0.000546	0.000000	No
	Ni 231.604 {446}	☒	3	Mo	0.000508	0.000000	No
				Fe	0.000017	0.000000	No
				Ca	-0.000001	0.000000	No
	Pb 220.353 {453}	☒	10	Al	-0.000067	0.000000	No
				Mn	0.000172	0.000000	No
				Mo	-0.001613	0.000000	No
				Co	0.000008	0.000000	No
				Cu	0.000170	0.000000	No
				Ca	-0.000006	0.000000	No
				Fe	0.000032	0.000000	No
				Mg	0.000002	0.000000	No
				Ni	0.000044	0.000000	No
				Si	0.000114	0.000000	No
	Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
				Co	-0.000515	0.000000	No
				Cu	0.000121	0.000000	No
				Fe	-0.000351	0.000000	No
	Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
				Fe	-0.000027	0.000000	No
				Cr	0.007692	0.000000	No
				Ni	0.000902	0.000000	No
				Mn	-0.007038	0.000000	No
				V	-0.000835	0.000000	No
				Co	-0.000324	0.000000	No
				Cu	-0.000222	0.000000	No
	Sb 206.833 {463}	☒	12	Al	-0.000002	0.000000	No
				Fe	0.000013	0.000000	No
				Cr	0.009183	0.000000	No
				Mo	-0.003253	0.000000	No
				Mg	0.000000	0.000000	No
				Ni	-0.000418	0.000000	No
				V	-0.001597	0.000000	No
				Ca	0.000002	0.000000	No
				Ti	0.000081	0.000000	No
				Cu	-0.000084	0.000000	No
				Sn	-0.007401	0.000000	No
				Pt	-0.002057	0.000000	No
	Se 196.090 {472}	☒	8	Al	-0.000003	0.000000	No
				Fe	-0.000290	0.000000	No
				Mn	0.000581	0.000000	No
				Mo	0.000208	0.000000	No
				Ca	-0.000002	0.000000	No
				Na	0.000000	0.000000	No
				Co	-0.000794	0.000000	No
				Pd	-0.003371	0.000000	No
	Si 212.412 {459}	☒	3	V	0.027489	0.000000	No
				Ti	0.015670	0.000000	No
				Mo	0.031283	0.000000	No
	Sn 189.989 {478}	☒	None				
	Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
	Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
				Mo	0.000546	0.000000	No
	Tl 190.856 {477}	☒	10	Mn	0.001120	0.000000	No
				Cr	0.000192	0.000000	No
				V	-0.026331	0.000000	No
				Co	0.001845	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Al	-0.000003	0.000000	No
				Fe	0.000007	0.000000	No
				Ti	-0.001139	0.000000	No
				Mo	-0.000001	0.000000	No
				Ca	-0.000000	0.000000	No
				Na	0.000006	0.000000	No
	V 292.402 {115}	☒	3	Ti	0.000455	0.000000	No
				Mo	-0.000978	0.000000	No
				Fe	0.000018	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000106	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000013	0.000000	No
				Mn	-0.000026	0.000000	No
				Ni	0.000026	0.000000	No
				Cr	-0.000478	0.000000	No
				Mo	0.000147	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000003	0.000000	No
				Na	0.000000	0.000000	No
	Zr 339.198 { 99}	☒	6	Si	0.000182	0.000000	No
				Ti	0.000195	0.000000	No
				Fe	0.000024	0.000000	No
				Sn	0.002296	0.000000	No
				Au	0.002269	0.000000	No
				Ba	0.000845	0.000000	No

HG SO: SW846 7471B

AQ ○ SO ◉ **Analysis: Hg**

Protected Worksheet
Format edits must be done by Dept. Manager

MP#	MP21554	Date	8/27/13	Balance ID	ACC-3	Pipet ID	N/A	Prep Analyst	EM				
Dig Block ID	3	Therm ID	GN015	Temp	95	Factor	-2	Corr. Temp. Deg C	93	Start Time	10:50	End Time	11:20
Dig Block ID	5	Therm ID	QA010	Temp	97	Factor	-1.5	Corr. Temp. Deg C	95.5	Start Time	13:55	End Time	14:25
MA#	MA16025	Date	8/29/13	Run File	H1082913S1.PRN			Calib File	1082913S			Analyst	SARAHA

Bot#	Sample ID	Init G	Fin ML	Block ID	Comments	Bot#	Sample ID	Init G	Fin ML	Block ID	Comments
	RB		100	3		1	MC23793-2	0.67	100	5	
	STD#1		100	3	2 ml of METSTD 31027 Hg- 2	2	MC23794-2	0.64	100	5	
	STD#2		100	3	5 ml of METSTD 31027 Hg- 2	3	MC23794-3	0.67	100	5	
	STD#3		100	3	1 ml of METSTD 31027 Hg- 1	1	MC23794-4	0.63	100	5	
	STD#4		100	3	2 ml of METSTD 31027 Hg- 1	1	MC23827-1	0.66	100	5	
	STD#5		100	3	3 ml of METSTD 31027 Hg- 1	1	MC23827-2	0.72	100	5	
	STD#6		100	3	4 ml of METSTD 31027 Hg- 1	1	MC23827-3	0.64	100	5	
	STD#7		100	3	5 ml of METSTD 31027 Hg- 1	1	MC23827-4	0.71	100	5	
	STD#8		100	3	6 ml of METSTD 31027 Hg- 1	1	MC23827-5	0.65	100	5	
	ICV		100	3	4 ml of METSTD 31028 Hg- 1	1	MC23273-1R	0.65	100	5	
	CCV		100	3	3 ml of METSTD 31027 Hg- 1	1	MC23273-4R	0.67	100	5	
	CRI		100	3	2 ml of METSTD 31027 Hg- 2	1	MC23273-6R	0.65	100	5	
	ICB		100	3		1	MC23273-9R	0.66	100	5	
	CCB		100	3		1	MC23273-10R	0.62	100	5	
*	MB	0.6	100	3		1	MC23273-21R	0.69	100	5	
*	SB	0.6	100	3	3 ml of METSTD 31027 Hg- 1	1	MC23273-22R	0.64	100	5	
*	SBD	0.6	100	3	3 ml of METSTD 31027 Hg- 1	1	MC23273-24R	0.66	100	5	
1	MS MC23794-1	0.62	100	5	3 ml of METSTD 31027 Hg- 1		MP21554-LC1	0.6	100	5	VENDOR-13657.
1	MSD MC23794-1	0.62	100	5	3 ml of METSTD 31027 Hg- 1						
1	MC23794-1	0.62	100	5							
1	MC23744-32	0.63	100	5							
1	MC23793-1	0.64	100	5							

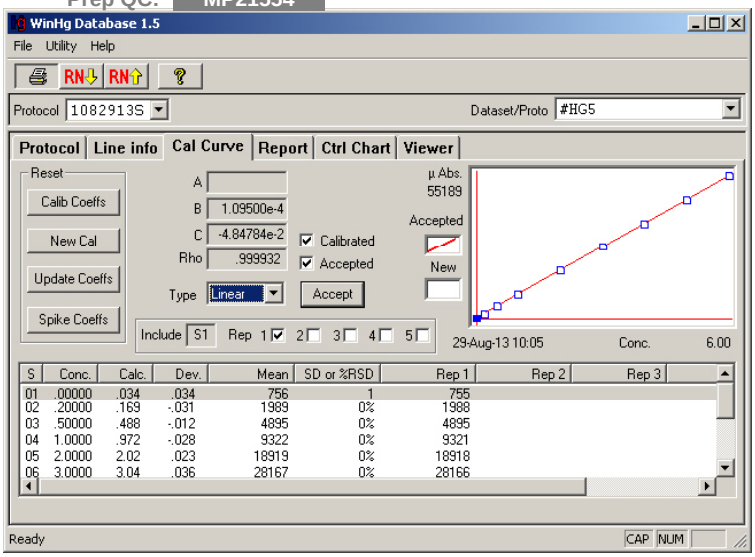
Reagent Lot#

Pot. Permanganate	RGT- 37086 _HG	Stannous Chloride	RGT- 37175 _HG	Conc. HNO3	Vendor- ***N/A***
Aqua Regia	RGT- 37152 _HG	Stannous Sulfate	RGT- ****N/A**** _HG	Conc. H2SO4	Vendor- ***N/A***
Hydroxylamine.SO4	RGT- 36980 _HG	Instrument ID:	HG-1	Dig.Tubes	MM01LKK0

Comment: * SAND USED : VENDOR-12599.

QC Review: PuiY **Date:** 8/29/13 **MMA015-02**

7.4.1


WinHg Database 1.5
File Utility Help
RN RN
Protocol 1082913S
Dataset/Proto #HG5
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 1.09500e-4
C -4.84784e-2
Rho .999932
Type Linear
Calibrated
Accepted
Accept
µ Abs.
55189
Accepted
New
Include S1 Rep 1 2 3 4 5
29-Aug-13 10:05
Conc. 6.00
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 .034 .034 756 1 755
02 .20000 .169 -.031 1989 0% 1988
03 .50000 .488 -.012 4895 0% 4895
04 1.0000 .972 -.028 9322 0% 9321
05 2.0000 2.02 .023 18919 0% 18918
06 3.0000 3.04 .036 28167 0% 28166
Ready
CAP NUM

ACCUTEST

Date:	08/28/13
Time	7:15

Name:	ERICM1
MP Batch ID:	MP21555
QC Sample ID:	MC23749-2

Reagent Lot #	
1:1 HNO3	RGT-37099-METALS
1:1 HCL	RGT-36996-METALS
Conc HNO3	VENDOR-13668
H2O2	VENDOR-13654
LCS	VENDOR-13657
Filter Paper Lot #	11104171
Digetion Tube Lot #	MH21KK06; 1303205

Aqueous EPA 200.7/ 200.8	○
Aqueous SW846 3010A	○
Soil- SW846 3050B	◉

ML Used	Spike Lot#
1	RGT-37039-METALS
1	RGT-37084-METALS
1	RGT-36999-METALS
1	RGT-37000-METALS
Spike ID	MPICP

Dig Block ID:	5	Therm ID	QA010	Temp. C	97	Factor	-2	Corrected Temp C	95
Dig Block ID:		Therm ID		Temp. C		Factor		Corrected Temp C	
Balance ID:	ACC-3	Repipetor ID	3						

Note: (A)Serial dilution shown for QC purposes only (not a seperate digestion). (B) For DW samples <1NTU, measure pH prior to analysis.

Bot#	Sample #	Initial G	Final (ML)			1:1 HNO3 (ML)	Conc. HNO3 (ML)	1:1 HCL (ML)	H2O2 (ML)	Comment
	MP21555-LC1	1	100			10	5	10	3	
	MP21555-MB1	1	100			10	5	10	3	
	MP21555-B1	1	100			10	5	10	3	
2	MP21555-S1	1.24	100			10	5	10	3	
2	MP21555-SD1	1.24	100			10	5	10	3	
	MP21555-B2	1	100			10	5	10	3	
2	MP21555-S2	1.23	100			10	5	10	3	
1	MC23273-10R	1.23	100			10	5	10	3	
1	MC23273-1R	1.25	100			10	5	10	3	
1	MC23273-21R	1.17	100			10	5	10	3	
1	MC23273-22R	1.23	100			10	5	10	3	
1	MC23273-24R	1.21	100			10	5	10	3	
1	MC23273-4R	1.23	100			10	5	10	3	
1	MC23273-6R	1.24	100			10	5	10	3	
1	MC23273-9R	1.26	100			10	5	10	3	
2	MC23732-1	1.2	100			10	5	10	3	
2	MC23732-2	1.17	100			10	5	10	3	
2	MC23732-3	1.21	100			10	5	10	3	
2	MC23732-4	1.16	100			10	5	10	3	
1	MC23739-1	1.19	100			10	5	10	3	
2	MC23749-1	1.25	100			10	5	10	3	
2	MC23749-2	1.24	100			10	5	10	3	
1	MC23823-1	1.21	100			10	5	10	3	
1	MC23823-2	1.21	100			10	5	10	3	
1	MC23823-3	1.23	100			10	5	10	3	
1	MC23866-1	1.18	100			10	5	10	3	
1	MC23866-2	1.18	100			10	5	10	3	

Protected Worksheet MMP003-02 QC Review PuiY Date: 08/29/13

(Format edits must be done by dept. Manager)

7.4.2

7

New England ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: MC23273R
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MC23273-1R **Analyzed:** 26-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: SB-200/8.5-9'

Wet Weight (Total)	33.095	g
Tare Weight	24.181	g
Dry Weight (Total)	32.194	g
Solids, Percent	89.9	%

Sample: MC23273-4R **Analyzed:** 26-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: SB-203/14'

Wet Weight (Total)	33.607	g
Tare Weight	26.905	g
Dry Weight (Total)	32.405	g
Solids, Percent	82.1	%

Sample: MC23273-6R **Analyzed:** 26-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: SB-205/3'

Wet Weight (Total)	33.086	g
Tare Weight	24.813	g
Dry Weight (Total)	31.937	g
Solids, Percent	86.1	%

Sample: MC23273-9R **Analyzed:** 26-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: SB-209/27'

Wet Weight (Total)	37.05	g
Tare Weight	26.467	g
Dry Weight (Total)	35.772	g
Solids, Percent	87.9	%

Sample: MC23273-10R **Analyzed:** 26-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: SB-210/12'

Wet Weight (Total)	30.819	g
Tare Weight	22.344	g
Dry Weight (Total)	29.763	g
Solids, Percent	87.5	%

Sample: MC23273-21R **Analyzed:** 26-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: SB-240/1'

Wet Weight (Total)	30.282	g
Tare Weight	24.396	g
Dry Weight (Total)	29.698	g
Solids, Percent	90.1	%

Percent Solids Raw Data Summary

Job Number: MC23273R
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MC23273-22R **Analyzed:** 26-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: SB-242/0-1.5'

Wet Weight (Total)	30.68	g
Tare Weight	23.329	g
Dry Weight (Total)	29.589	g
Solids, Percent	85.2	%

Sample: MC23273-24R **Analyzed:** 26-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: SB-248/15'

Wet Weight (Total)	28.853	g
Tare Weight	20.321	g
Dry Weight (Total)	27.054	g
Solids, Percent	78.9	%

New England ACCUTEST LABORATORIES

09/03/13

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC23456

Sampling Dates: 08/08/13 - 08/09/13

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **1021**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) ISO 17025:2005 (L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC23456

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC23456-1	08/08/13	11:34	DL	08/10/13	SO	Soil	LBA-TP-03
MC23456-2	08/09/13	08:12	DL	08/10/13	SO	Soil	LBA-TP-10A
MC23456-3	08/09/13	11:36	DL	08/10/13	SO	Soil	LBA-TP-16B
MC23456-4	08/09/13	11:14	DL	08/10/13	SO	Soil	LBA-TP-16A
MC23456-5	08/08/13	15:55	DL	08/10/13	SO	Soil	LBA-TP-8

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environmental & Energy **Job No** MC23456

Site: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, **Report Date** 8/23/2013 11:02:31 AM

5 Sample(s) were collected on between 08/08/2013 and 08/09/2013 and were received at Accutest on 08/10/2013 properly preserved, at 0.7 Deg. C and intact. These Samples received an Accutest job number of MC23456. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix SO **Batch ID:** MSG5089

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC23416-3MS, MC23416-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- MSG5089-BSD for 4-Methyl-2-pentanone (MIBK) Blank Spike meets program technical requirements.
- Matrix Spike Recovery(s) for Acetone, Bromomethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for Acetone are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- RPD of MSG5089-BSD for Dichlorodifluoromethane: Outside control limits. Individual spike recoveries within acceptance limits.

Matrix SO **Batch ID:** MSG5090

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23505-1MS, MC23505-1MSD were used as the QC samples indicated.

Matrix SO **Batch ID:** MSP2328

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23456-3MS, MC23456-3MSD were used as the QC samples indicated.
- MSP2328-BS1 Recovery(s) for 1,1,1-Trichloroethane, 1,2-Dibromo-3-chloropropane, 1,2-Dichloroethane, 4-Methyl-2-pentanone (MIBK), Bromodichloromethane, Bromoform, Carbon tetrachloride, Dibromochloromethane are outside control limits. Associated samples are non-detect for this compound.
- Matrix Spike Recovery(s) for 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,2,4-Trichlorobenzene, 2-Hexanone, Cyclohexane, Isopropylbenzene, Styrene, Trichloroethene, Trichlorofluoromethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike
- MC23456-3MS for 1,1-Dichloroethene, 1,2-Dibromo-3-chloropropane, Bromodichloromethane, Carbon tetrachloride, Methyl Tert Butyl Ether : Outside control limits. Associated samples are non-detect for this compound.
- Matrix Spike Duplicate Recovery(s) for 1,2-Dichloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,2,4-Trichlorobenzene, Freon 113, Isopropylbenzene, Styrene, Trichloroethene, Trichlorofluoromethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- MC23456-3MSD for Bromomethane, Chloroform, 1,1-Dichloroethene, 1,2-Dibromo-3-chloropropane, Bromodichloromethane, Carbon tetrachloride, Methyl Tert Butyl Ether: Outside control limits. Associated samples are non-detect for this compound.
- MC23456-3, MC23456-3MS has internal standard outside control limits. Outside control limits due to possible matrix interference. Confirmed by MS/MSD.

Extractables by GC By Method SW846 8081

Matrix SO **Batch ID:** OP34379

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) MC23456-5MS, MC23456-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 4,4'-DDE, 4,4'-DDT, Aldrin, beta-BHC, delta-BHC, Dieldrin, Endosulfan-II, Endrin, Heptachlor epoxide, Methoxychlor are outside control limits. Outside control limits due to possible matrix interference.
- Matrix Spike Duplicate Recovery(s) for beta-BHC, delta-BHC, alpha-Chlordane, Dieldrin , Endosulfan-II, Heptachlor epoxide, 4,4'-DDE, 4,4'-DDT are outside control limits. Outside control limits due to possible matrix interference.
- RPD(s) for MSD for 4,4'-DDE, 4,4'-DDT, alpha-Chlordane, Endosulfan sulfate, Endrin, Methoxychlor are outside control limits for sample OP34379-MSD. Outside control limits due to possible matrix interference.
- MC23456-5, OP34379-MS, OP34379-MSD for Tetrachloro-m-xylene: Outside control limits due to possible matrix interference.
- Continuing calibration check standard GBE1962-ECC1943 has most of compounds exceed criteria due to possible residual matrix interference. Associated samples confirmed by reanalysis.

Extractables by GC By Method SW846 8082

Matrix SO **Batch ID:** OP34373

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) MC23451-1MS, MC23451-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- MC23456-5 for Dec achlorobiphenyl, Tetrachloro-m-xylene: Outside control limits due to dilution.

Metals By Method SW846 6010C

Matrix SO **Batch ID:** MP21505

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23527-1MS, MC23527-1MSD, MC23527-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Cadmium are outside control limits for sample MP21505-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP21505-SD1 for Barium, Chromium, Lead: Serial dilution indicates possible matrix interference.

Metals By Method SW846 7471B

Matrix SO **Batch ID:** MP21506

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23416-2MS, MC23416-2MSD were used as the QC samples for metals.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix SO **Batch ID:** GN43957

- Sample(s) MC23449-1DUP were used as the QC samples for Solids, Percent.

Wet Chemistry By Method SW846 9012 M

Matrix	SO	Batch ID:	GP16500

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23456-4DUP, MC23456-4MS were used as the QC samples for Cyanide.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC23456).

Summary of Hits

Job Number: MC23456
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Collected: 08/08/13 thru 08/09/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC23456-1	**LBA-TP-03**					
Benzene		29.0	28	14	ug/kg	SW846 8260B
Ethylbenzene		30.1 J	110	10	ug/kg	SW846 8260B
Toluene		75.4 J	280	14	ug/kg	SW846 8260B
Xylene (total)		117	110	12	ug/kg	SW846 8260B
Total TIC, Volatile		610 J			ug/kg	
MC23456-2	**LBA-TP-10A**					
cis-1,2-Dichloroethene		237 J	290	74	ug/kg	SW846 8260B
Tetrachloroethene		11700	290	64	ug/kg	SW846 8260B
1,1,1-Trichloroethane		632	290	26	ug/kg	SW846 8260B
Trichloroethene		101000	2900	690	ug/kg	SW846 8260B
MC23456-3	**LBA-TP-16B**					
Acetone		15.3	12	4.7	ug/kg	SW846 8260B
Methylene chloride		18.7	2.4	1.9	ug/kg	SW846 8260B
Toluene		0.87 J	6.0	0.29	ug/kg	SW846 8260B
Trichloroethene		22.9	2.4	0.57	ug/kg	SW846 8260B
Vinyl chloride		0.72 J	2.4	0.69	ug/kg	SW846 8260B
MC23456-4	**LBA-TP-16A**					
Arsenic		15.4	1.0	0.21	mg/kg	SW846 6010C
Barium		1840	25	0.36	mg/kg	SW846 6010C
Cadmium		1.9	0.40	0.042	mg/kg	SW846 6010C
Chromium		106	1.0	0.095	mg/kg	SW846 6010C
Lead		252	1.0	0.17	mg/kg	SW846 6010C
Mercury		0.64	0.039	0.011	mg/kg	SW846 7471B
Cyanide		4.8	0.14		mg/kg	SW846 9012 M
MC23456-5	**LBA-TP-8**					
Aroclor 1254		18900	2800	2100	ug/kg	SW846 8082
Arsenic		11.2	0.99	0.21	mg/kg	SW846 6010C
Barium		2740	9.9	0.14	mg/kg	SW846 6010C
Cadmium		0.83	0.40	0.042	mg/kg	SW846 6010C
Chromium		168	0.99	0.094	mg/kg	SW846 6010C
Lead		96.9	0.99	0.17	mg/kg	SW846 6010C
Mercury		0.15	0.037	0.011	mg/kg	SW846 7471B
Silver		0.21 B	0.50	0.12	mg/kg	SW846 6010C

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@141027 14:19 03-Sep-2013

Report of Analysis

Client Sample ID:	LBA-TP-03		
Lab Sample ID:	MC23456-1	**Date Sampled:**	08/08/13
Matrix:	SO - Soil	**Date Received:**	08/10/13
Method:	SW846 8260B	**Percent Solids:**	92.2
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G130529.D	1	08/15/13	JM	n/a	n/a	MSG5089
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.3 g	10.0 ml	100 ul
Run #2			

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	570	220	ug/kg	
71-43-2	Benzene	29.0	28	14	ug/kg	
75-27-4	Bromodichloromethane	ND	110	21	ug/kg	
75-25-2	Bromoform	ND	110	17	ug/kg	
74-83-9	Bromomethane	ND	110	55	ug/kg	
78-93-3	2-Butanone (MEK)	ND	280	180	ug/kg	
75-15-0	Carbon disulfide	ND	280	8.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	110	66	ug/kg	
108-90-7	Chlorobenzene	ND	110	15	ug/kg	
75-00-3	Chloroethane	ND	280	34	ug/kg	
67-66-3	Chloroform	ND	110	16	ug/kg	
74-87-3	Chloromethane	ND	280	69	ug/kg	
110-82-7	Cyclohexane	ND	280	15	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	280	110	ug/kg	
124-48-1	Dibromochloromethane	ND	110	24	ug/kg	
106-93-4	1,2-Dibromoethane	ND	110	32	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	110	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	110	13	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	110	12	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	110	63	ug/kg	
75-34-3	1,1-Dichloroethane	ND	110	19	ug/kg	
107-06-2	1,2-Dichloroethane	ND	110	31	ug/kg	
75-35-4	1,1-Dichloroethene	ND	110	30	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	110	29	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	110	25	ug/kg	
78-87-5	1,2-Dichloropropane	ND	110	24	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	110	16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	110	17	ug/kg	
100-41-4	Ethylbenzene	30.1	110	10	ug/kg	J
76-13-1	Freon 113	ND	280	52	ug/kg	
591-78-6	2-Hexanone	ND	280	140	ug/kg	
98-82-8	Isopropylbenzene	ND	280	16	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-TP-03		
Lab Sample ID:	MC23456-1	**Date Sampled:**	08/08/13
Matrix:	SO - Soil	**Date Received:**	08/10/13
Method:	SW846 8260B	**Percent Solids:**	92.2
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	280	160	ug/kg	
108-87-2	Methylcyclohexane	ND	280	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	110	22	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	280	100	ug/kg	
75-09-2	Methylene chloride	ND	110	88	ug/kg	
100-42-5	Styrene	ND	280	12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	110	17	ug/kg	
127-18-4	Tetrachloroethene	ND	110	25	ug/kg	
108-88-3	Toluene	75.4	280	14	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	280	21	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	110	10	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	110	20	ug/kg	
79-01-6	Trichloroethene	ND	110	27	ug/kg	
75-69-4	Trichlorofluoromethane	ND	110	59	ug/kg	
75-01-4	Vinyl chloride	ND	110	32	ug/kg	
1330-20-7	Xylene (total)	117	110	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
142-82-5	Heptane	5.76	610	ug/kg	JN
	Total TIC, Volatile		610	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	LBA-TP-10A		
Lab Sample ID:	MC23456-2	**Date Sampled:**	08/09/13
Matrix:	SO - Soil	**Date Received:**	08/10/13
Method:	SW846 8260B	**Percent Solids:**	83.0
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G130530.D	1	08/15/13	JM	n/a	n/a	MSG5089
Run #2	G130583.D	1	08/16/13	JM	n/a	n/a	MSG5090

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.65 g	10.0 ml	50.0 ul
Run #2	9.65 g	10.0 ml	5.0 ul

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1500	570	ug/kg	
71-43-2	Benzene	ND	73	36	ug/kg	
75-27-4	Bromodichloromethane	ND	290	53	ug/kg	
75-25-2	Bromoform	ND	290	42	ug/kg	
74-83-9	Bromomethane	ND	290	140	ug/kg	
78-93-3	2-Butanone (MEK)	ND	730	450	ug/kg	
75-15-0	Carbon disulfide	ND	730	22	ug/kg	
56-23-5	Carbon tetrachloride	ND	290	170	ug/kg	
108-90-7	Chlorobenzene	ND	290	39	ug/kg	
75-00-3	Chloroethane	ND	730	87	ug/kg	
67-66-3	Chloroform	ND	290	42	ug/kg	
74-87-3	Chloromethane	ND	730	180	ug/kg	
110-82-7	Cyclohexane	ND	730	39	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	730	290	ug/kg	
124-48-1	Dibromochloromethane	ND	290	62	ug/kg	
106-93-4	1,2-Dibromoethane	ND	290	82	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	290	30	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	290	32	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	290	29	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	290	160	ug/kg	
75-34-3	1,1-Dichloroethane	ND	290	48	ug/kg	
107-06-2	1,2-Dichloroethane	ND	290	79	ug/kg	
75-35-4	1,1-Dichloroethene	ND	290	76	ug/kg	
156-59-2	cis-1,2-Dichloroethene	237	290	74	ug/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	290	65	ug/kg	
78-87-5	1,2-Dichloropropane	ND	290	61	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	290	42	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	290	42	ug/kg	
100-41-4	Ethylbenzene	ND	290	26	ug/kg	
76-13-1	Freon 113	ND	730	130	ug/kg	
591-78-6	2-Hexanone	ND	730	350	ug/kg	
98-82-8	Isopropylbenzene	ND	730	41	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-TP-10A		
Lab Sample ID:	MC23456-2	**Date Sampled:**	08/09/13
Matrix:	SO - Soil	**Date Received:**	08/10/13
Method:	SW846 8260B	**Percent Solids:**	83.0
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	730	400	ug/kg	
108-87-2	Methylcyclohexane	ND	730	31	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	290	58	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	730	270	ug/kg	
75-09-2	Methylene chloride	ND	290	220	ug/kg	
100-42-5	Styrene	ND	730	30	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	290	43	ug/kg	
127-18-4	Tetrachloroethene	11700	290	64	ug/kg	
108-88-3	Toluene	ND	730	35	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	730	53	ug/kg	
71-55-6	1,1,1-Trichloroethane	632	290	26	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	290	50	ug/kg	
79-01-6	Trichloroethene	101000 [a]	2900	690	ug/kg	
75-69-4	Trichlorofluoromethane	ND	290	150	ug/kg	
75-01-4	Vinyl chloride	ND	290	83	ug/kg	
1330-20-7	Xylene (total)	ND	290	30	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	117%	70-130%
2037-26-5	Toluene-D8	104%	108%	70-130%
460-00-4	4-Bromofluorobenzene	105%	117%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	LBA-TP-16B		
Lab Sample ID:	MC23456-3	**Date Sampled:**	08/09/13
Matrix:	SO - Soil	**Date Received:**	08/10/13
Method:	SW846 8260B	**Percent Solids:**	85.8
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P71155.D	1	08/20/13	KD	n/a	n/a	MSP2328
Run #2							

	Initial Weight	Final Volume
Run #1	4.82 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	15.3	12	4.7	ug/kg	
71-43-2	Benzene	ND	0.60	0.30	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.44	ug/kg	
75-25-2	Bromoform	ND	2.4	0.35	ug/kg	
74-83-9	Bromomethane	ND	2.4	1.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.0	3.7	ug/kg	
75-15-0	Carbon disulfide	ND	6.0	0.18	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.33	ug/kg	
75-00-3	Chloroethane	ND	6.0	0.72	ug/kg	
67-66-3	Chloroform	ND	2.4	0.35	ug/kg	
74-87-3	Chloromethane	ND	6.0	1.5	ug/kg	
110-82-7	Cyclohexane	ND	6.0	0.32	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.0	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.51	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.4	0.69	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.4	0.25	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.4	0.27	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.4	0.25	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.4	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.4	0.40	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.4	0.66	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.4	0.63	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.4	0.62	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.4	0.54	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.51	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.35	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.35	ug/kg	
100-41-4	Ethylbenzene	ND	2.4	0.21	ug/kg	
76-13-1	Freon 113	ND	6.0	1.1	ug/kg	
591-78-6	2-Hexanone	ND	6.0	2.9	ug/kg	
98-82-8	Isopropylbenzene	ND	6.0	0.34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-TP-16B		
Lab Sample ID:	MC23456-3	**Date Sampled:**	08/09/13
Matrix:	SO - Soil	**Date Received:**	08/10/13
Method:	SW846 8260B	**Percent Solids:**	85.8
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.0	3.4	ug/kg	
108-87-2	Methylcyclohexane	ND	6.0	0.26	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.4	0.48	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.0	2.2	ug/kg	
75-09-2	Methylene chloride	18.7	2.4	1.9	ug/kg	
100-42-5	Styrene	ND	6.0	0.25	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.36	ug/kg	
127-18-4	Tetrachloroethene	ND	2.4	0.54	ug/kg	
108-88-3	Toluene	0.87	6.0	0.29	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	0.44	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.22	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.42	ug/kg	
79-01-6	Trichloroethene	22.9	2.4	0.57	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.4	1.3	ug/kg	
75-01-4	Vinyl chloride	0.72	2.4	0.69	ug/kg	J
1330-20-7	Xylene (total)	ND	2.4	0.25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	114%		70-130%
2037-26-5	Toluene-D8	81%		70-130%
460-00-4	4-Bromofluorobenzene	107%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-TP-16A
Lab Sample ID: MC23456-4
Matrix: SO - Soil
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Date Sampled: 08/09/13
Date Received: 08/10/13
Percent Solids: 79.5

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	15.4	1.0	0.21	mg/kg	1	08/15/13	08/17/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	1840	25	0.36	mg/kg	5	08/15/13	08/19/13	EAL	SW846 6010C [3]	SW846 3050B [4]
Cadmium	1.9	0.40	0.042	mg/kg	1	08/15/13	08/17/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	106	1.0	0.095	mg/kg	1	08/15/13	08/17/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	252	1.0	0.17	mg/kg	1	08/15/13	08/17/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.64	0.039	0.011	mg/kg	1	08/15/13	08/16/13	EM	SW846 7471B [1]	SW846 7471B [5]
Selenium [a]	1.7 U	5.0	1.7	mg/kg	5	08/15/13	08/19/13	EAL	SW846 6010C [3]	SW846 3050B [4]
Silver	0.12 U	0.50	0.12	mg/kg	1	08/15/13	08/17/13	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA15987
(2) Instrument QC Batch: MA15999
(3) Instrument QC Batch: MA16000
(4) Prep QC Batch: MP21505
(5) Prep QC Batch: MP21506

(a) Elevated RL due to dilution required for matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	LBA-TP-16A		
Lab Sample ID:	MC23456-4	**Date Sampled:**	08/09/13
Matrix:	SO - Soil	**Date Received:**	08/10/13
		Percent Solids:	79.5
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	4.8	0.14	mg/kg	1	08/21/13 11:31	MA	SW846 9012 M
Solids, Percent	79.5		%	1	08/13/13	HS	SM21 2540 B MOD.

RL = Reporting Limit

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Report of Analysis

Client Sample ID: LBA-TP-8
Lab Sample ID: MC23456-5 **Date Sampled:** 08/08/13
Matrix: SO - Soil **Date Received:** 08/10/13
Method: SW846 8081 SW846 3546 **Percent Solids:** 86.1
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE37748.D	1	08/20/13	NK	08/12/13	OP34379	GBE1963
Run #2							

	Initial Weight	Final Volume
Run #1	20.7 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	5.6	1.7	ug/kg	
319-84-6	alpha-BHC	ND	5.6	1.4	ug/kg	
319-85-7	beta-BHC	ND	5.6	1.9	ug/kg	
319-86-8	delta-BHC	ND	5.6	1.1	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	5.6	1.7	ug/kg	
5103-71-9	alpha-Chlordane	ND	5.6	2.1	ug/kg	
5103-74-2	gamma-Chlordane	ND	5.6	1.7	ug/kg	
60-57-1	Dieldrin	ND	5.6	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	5.6	1.8	ug/kg	
72-55-9	4,4'-DDE	ND	5.6	2.3	ug/kg	
50-29-3	4,4'-DDT	ND	5.6	1.8	ug/kg	
72-20-8	Endrin	ND	5.6	2.2	ug/kg	
1031-07-8	Endosulfan sulfate	ND	5.6	1.9	ug/kg	
7421-93-4	Endrin aldehyde	ND	5.6	1.7	ug/kg	
959-98-8	Endosulfan-I	ND	5.6	2.2	ug/kg	
33213-65-9	Endosulfan-II	ND	5.6	1.8	ug/kg	
76-44-8	Heptachlor	ND	5.6	1.7	ug/kg	
1024-57-3	Heptachlor epoxide	ND	5.6	1.7	ug/kg	
72-43-5	Methoxychlor	ND	5.6	2.2	ug/kg	
53494-70-5	Endrin ketone	ND	5.6	2.0	ug/kg	
8001-35-2	Toxaphene	ND	56	29	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	36%		30-150%
877-09-8	Tetrachloro-m-xylene	21% [a]		30-150%
2051-24-3	Decachlorobiphenyl	65%		30-150%
2051-24-3	Decachlorobiphenyl	86%		30-150%

(a) Outside control limits due to possible matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@141027 14:19 03-Sep-2013

Report of Analysis

Client Sample ID:	LBA-TP-8		
Lab Sample ID:	MC23456-5	**Date Sampled:**	08/08/13
Matrix:	SO - Soil	**Date Received:**	08/10/13
Method:	SW846 8082 SW846 3546	**Percent Solids:**	86.1
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK28100.D	1	08/17/13	NK	08/12/13	OP34373	GBK956
Run #2	BK28145.D	100	08/19/13	NK	08/12/13	OP34373	GBK960

	Initial Weight	Final Volume
Run #1	20.7 g	10.0 ml
Run #2	20.7 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	28	13	ug/kg	
11104-28-2	Aroclor 1221	ND	28	17	ug/kg	
11141-16-5	Aroclor 1232	ND	28	13	ug/kg	
53469-21-9	Aroclor 1242	ND	28	14	ug/kg	
12672-29-6	Aroclor 1248	ND	28	12	ug/kg	
11097-69-1	Aroclor 1254	18900 [a]	2800	2100	ug/kg	
11096-82-5	Aroclor 1260	ND	28	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	54%	0% [b]	30-150%
877-09-8	Tetrachloro-m-xylene	35%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	48%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	37%	0% [b]	30-150%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-TP-8
Lab Sample ID: MC23456-5
Matrix: SO - Soil
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Date Sampled: 08/08/13
Date Received: 08/10/13
Percent Solids: 86.1

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	11.2	0.99	0.21	mg/kg	1	08/15/13	08/17/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	2740	9.9	0.14	mg/kg	2	08/15/13	08/19/13	EAL	SW846 6010C [3]	SW846 3050B [4]
Cadmium	0.83	0.40	0.042	mg/kg	1	08/15/13	08/17/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	168	0.99	0.094	mg/kg	1	08/15/13	08/17/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	96.9	0.99	0.17	mg/kg	1	08/15/13	08/17/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.15	0.037	0.011	mg/kg	1	08/15/13	08/16/13	EM	SW846 7471B [1]	SW846 7471B [5]
Selenium	0.69 U	2.0	0.69	mg/kg	2	08/15/13	08/19/13	EAL	SW846 6010C [3]	SW846 3050B [4]
Silver	0.21 B	0.50	0.12	mg/kg	1	08/15/13	08/17/13	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA15987
(2) Instrument QC Batch: MA15999
(3) Instrument QC Batch: MA16000
(4) Prep QC Batch: MP21505
(5) Prep QC Batch: MP21506

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	LBA-TP-8		
Lab Sample ID:	MC23456-5	**Date Sampled:**	08/08/13
Matrix:	SO - Soil	**Date Received:**	08/10/13
		Percent Solids:	86.1
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	08/21/13 11:32	MA	SW846 9012 M
Solids, Percent	86.1		%	1	08/13/13	HS	SM21 2540 B MOD.

RL = Reporting Limit

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY RECORD

Page 1 of 1

Project Number:	Site and Location:
4255.05	EPT Ithaca Ithaca NY
Contact Name:	**Contact Email:**
Daniel Liwicki	Daniel.Liwicki@wsp.com
Sampler's Name:	**Sampler's Signature:**
Daniel Liwicki	

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

N° 080913

MC23456

Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	TCL + CP-51 VOCs	RCRA Metals	Pesticides	PCBs	Remarks
LBA-TP-03 -1	2.0	8/8/13	1134	S	1	X				
LBA-TP-10A -2	1.5'	8/9/13	0812	S	1	X				
LBA-TP-10B -3	6.0	8/9/13	1136	S	1	X				
LBA-TP-16A -4	2.5'	8/9/13	1114	S	1		X			
LBA-TP-8 -5	5.0'	8/8/13	1555	S	1		X	X	X	
										11D

Relinquished by *(Signature)*: Daniel Liwicki	8/9/13 1350 Date | Time	Received by *(Signature)*: Fedex	Laboratory Name: Accutest
Relinquished by *(Signature)*: Fedex	8/10/13 10:20 Date | Time	Received by *(Signature)*:	Laboratory Location: Marlborough, MA
Turn-Around Time: 7 day Standard TAT		Tracking Number: -	Custody Seal Numbers: -
			Method of Shipment: FedEx

Rec. 0.7 C

WSP Environment & Energy

- [X] Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- [ ] Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- [ ] San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- [ ] New Jersey Office: 200 Cottontail Ln., Somerset, NJ 08873 / Tel: 732-564-0888
- [ ] Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- [ ] Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- [ ] Woburn Office: 300 Trade Center, Suite 4690, Woburn, MA 01801
- [ ] Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

MC23456: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC23456 **Client:** WSP **Immediate Client Services Action Required:** No

Date / Time Received: 8/10/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: 4255.05 **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC23456: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC23456

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC23456-1 Collected: 08-AUG-13 11:34 By: DL			Received: 10-AUG-13 By:			
LBA-TP-03						
MC23456-1	SM21 2540 B MOD.	13-AUG-13	HS			%SOL
MC23456-1	SW846 8260B	15-AUG-13 16:16	JM			V8260TCLSTAR
MC23456-2 Collected: 09-AUG-13 08:12 By: DL			Received: 10-AUG-13 By:			
LBA-TP-10A						
MC23456-2	SM21 2540 B MOD.	13-AUG-13	HS			%SOL
MC23456-2	SW846 8260B	15-AUG-13 16:44	JM			V8260TCLSTAR
MC23456-2	SW846 8260B	16-AUG-13 18:40	JM			V8260TCLSTAR
MC23456-3 Collected: 09-AUG-13 11:36 By: DL			Received: 10-AUG-13 By:			
LBA-TP-16B						
MC23456-3	SM21 2540 B MOD.	13-AUG-13	HS			%SOL
MC23456-3	SW846 8260B	20-AUG-13 15:59	KD			V8260TCL42+
MC23456-4 Collected: 09-AUG-13 11:14 By: DL			Received: 10-AUG-13 By:			
LBA-TP-16A						
MC23456-4	SM21 2540 B MOD.	13-AUG-13	HS			%SOL
MC23456-4	SW846 7471B	16-AUG-13 14:29	EM	15-AUG-13	EM	HG
MC23456-4	SW846 6010C	17-AUG-13 01:04	EAL	15-AUG-13	DA	AG,AS,CD,CR,PB
MC23456-4	SW846 6010C	19-AUG-13 13:46	EAL	15-AUG-13	DA	BA,SE
MC23456-4	SW846 9012 M	21-AUG-13 11:31	MA	21-AUG-13	MA	CN
MC23456-5 Collected: 08-AUG-13 15:55 By: DL			Received: 10-AUG-13 By:			
LBA-TP-8						
MC23456-5	SM21 2540 B MOD.	13-AUG-13	HS			%SOL
MC23456-5	SW846 7471B	16-AUG-13 14:31	EM	15-AUG-13	EM	HG
MC23456-5	SW846 6010C	17-AUG-13 01:09	EAL	15-AUG-13	DA	AG,AS,CD,CR,PB
MC23456-5	SW846 8082	17-AUG-13 07:50	NK	12-AUG-13	MEW	P8082PCBAO
MC23456-5	SW846 6010C	19-AUG-13 13:50	EAL	15-AUG-13	DA	BA,SE
MC23456-5	SW846 8082	19-AUG-13 16:34	NK	12-AUG-13	MEW	P8082PCBAO
MC23456-5	SW846 8081	20-AUG-13 02:44	NK	12-AUG-13	MEW	P8081PESTTCL
MC23456-5	SW846 9012 M	21-AUG-13 11:32	MA	21-AUG-13	MA	CN

Accutest Internal Chain of Custody

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Received: 08/10/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC23456-1.1	Walk In Ref #9	Hamid Siamak	08/13/13 08:37	Retrieve from Storage
MC23456-1.1	Hamid Siamak	Walk In Ref #9	08/13/13 09:25	Return to Storage
MC23456-2.1	Walk In Ref #9	Hamid Siamak	08/13/13 08:37	Retrieve from Storage
MC23456-2.1	Hamid Siamak	Walk In Ref #9	08/13/13 09:25	Return to Storage
MC23456-3.1	Walk In Ref #9	Hamid Siamak	08/13/13 08:37	Retrieve from Storage
MC23456-3.1	Hamid Siamak	Walk In Ref #9	08/13/13 09:25	Return to Storage
MC23456-4.1	Walk In Ref #9	Hamid Siamak	08/13/13 08:37	Retrieve from Storage
MC23456-4.1	Hamid Siamak	Walk In Ref #9	08/13/13 09:25	Return to Storage
MC23456-4.1	Walk In Ref #9	Dorina Antonovici	08/15/13 09:20	Retrieve from Storage
MC23456-4.1	Dorina Antonovici	Walk In Ref #9	08/15/13 13:22	Return to Storage
MC23456-4.1	Walk In Ref #9	Mehdi Abdolrahim	08/21/13 07:57	Retrieve from Storage
MC23456-4.1	Mehdi Abdolrahim	Walk In Ref #9	08/21/13 09:06	Return to Storage
MC23456-5.1	Walk In Ref #9	Nicole Estey	08/12/13 19:00	Retrieve from Storage
MC23456-5.1	Nicole Estey	Walk In Ref #9	08/12/13 20:32	Return to Storage
MC23456-5.1	Walk In Ref #9	Hamid Siamak	08/13/13 08:37	Retrieve from Storage
MC23456-5.1	Hamid Siamak	Walk In Ref #9	08/13/13 09:25	Return to Storage
MC23456-5.1	Walk In Ref #9	Dorina Antonovici	08/15/13 09:20	Retrieve from Storage
MC23456-5.1	Dorina Antonovici	Walk In Ref #9	08/15/13 13:22	Return to Storage
MC23456-5.1	Walk In Ref #9	Mehdi Abdolrahim	08/21/13 07:57	Retrieve from Storage
MC23456-5.1	Mehdi Abdolrahim	Walk In Ref #9	08/21/13 09:06	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5089-MB	G130517.D	1	08/15/13	JM	n/a	n/a	MSG5089

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23456-1, MC23456-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	190	ug/kg	
71-43-2	Benzene	ND	25	12	ug/kg	
75-27-4	Bromodichloromethane	ND	100	18	ug/kg	
75-25-2	Bromoform	ND	100	15	ug/kg	
74-83-9	Bromomethane	ND	100	49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	250	150	ug/kg	
75-15-0	Carbon disulfide	ND	250	7.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	58	ug/kg	
108-90-7	Chlorobenzene	ND	100	13	ug/kg	
75-00-3	Chloroethane	ND	250	30	ug/kg	
67-66-3	Chloroform	ND	100	14	ug/kg	
74-87-3	Chloromethane	ND	250	61	ug/kg	
110-82-7	Cyclohexane	ND	250	13	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	100	ug/kg	
124-48-1	Dibromochloromethane	ND	100	21	ug/kg	
106-93-4	1,2-Dibromoethane	ND	100	28	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	100	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	100	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	100	10	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	100	56	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	27	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	26	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	22	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	15	ug/kg	
100-41-4	Ethylbenzene	ND	100	8.9	ug/kg	
76-13-1	Freon 113	ND	250	46	ug/kg	
591-78-6	2-Hexanone	ND	250	120	ug/kg	
98-82-8	Isopropylbenzene	ND	250	14	ug/kg	
79-20-9	Methyl Acetate	ND	250	140	ug/kg	
108-87-2	Methylcyclohexane	ND	250	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	100	20	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	92	ug/kg	

Method Blank Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5089-MB	G130517.D	1	08/15/13	JM	n/a	n/a	MSG5089

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23456-1, MC23456-2

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	100	77	ug/kg	
100-42-5	Styrene	ND	250	10	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	15	ug/kg	
127-18-4	Tetrachloroethene	ND	100	22	ug/kg	
108-88-3	Toluene	ND	250	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100	9.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	17	ug/kg	
79-01-6	Trichloroethene	ND	100	24	ug/kg	
75-69-4	Trichlorofluoromethane	ND	100	52	ug/kg	
75-01-4	Vinyl chloride	ND	100	28	ug/kg	
1330-20-7	Xylene (total)	ND	100	10	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	70-130%
2037-26-5	Toluene-D8	105%	70-130%
460-00-4	4-Bromofluorobenzene	106%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5090-MB	G130565.D	1	08/16/13	JM	n/a	n/a	MSG5090

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23456-2

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	100	24	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	114%	70-130%
2037-26-5	Toluene-D8	111%	70-130%
460-00-4	4-Bromofluorobenzene	113%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2328-MB	P71082.D	1	08/16/13	KD	n/a	n/a	MSP2328

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23456-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.9	ug/kg	
71-43-2	Benzene	ND	0.50	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.36	ug/kg	
75-25-2	Bromoform	ND	2.0	0.29	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.97	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.2	ug/kg	
110-82-7	Cyclohexane	ND	5.0	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.52	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.0	0.92	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.28	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.8	ug/kg	
108-87-2	Methylcyclohexane	ND	5.0	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.8	ug/kg	

Method Blank Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2328-MB	P71082.D	1	08/16/13	KD	n/a	n/a	MSP2328

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23456-3

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	1.5	ug/kg	
100-42-5	Styrene	ND	5.0	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.44	ug/kg	
108-88-3	Toluene	ND	5.0	0.24	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.47	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.20	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	70-130%
2037-26-5	Toluene-D8	93%	70-130%
460-00-4	4-Bromofluorobenzene	107%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2328-MB1	P71146.D	1	08/20/13	KD	n/a	n/a	MSP2328

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23456-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.9	ug/kg	
71-43-2	Benzene	ND	0.50	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.36	ug/kg	
75-25-2	Bromoform	ND	2.0	0.29	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.97	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.2	ug/kg	
110-82-7	Cyclohexane	ND	5.0	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.52	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.0	0.92	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.28	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.8	ug/kg	
108-87-2	Methylcyclohexane	ND	5.0	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.8	ug/kg	

Method Blank Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2328-MB1	P71146.D	1	08/20/13	KD	n/a	n/a	MSP2328

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23456-3

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	1.5	ug/kg	
100-42-5	Styrene	ND	5.0	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.44	ug/kg	
108-88-3	Toluene	ND	5.0	0.24	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.47	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.20	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	70-130%
2037-26-5	Toluene-D8	84%	70-130%
460-00-4	4-Bromofluorobenzene	84%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5090-BS	G130562.D	1	08/16/13	JM	n/a	n/a	MSG5090

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23456-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
79-01-6	Trichloroethene	2500	2530	101	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	70-130%
2037-26-5	Toluene-D8	100%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2328-BS1	P71142.D	1	08/20/13	KD	n/a	n/a	MSP2328

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23456-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	37.4	75	70-130
71-43-2	Benzene	50	54.0	108	70-130
75-27-4	Bromodichloromethane	50	75.1	150* [a]	70-130
75-25-2	Bromoform	50	78.5	157* [a]	70-130
74-83-9	Bromomethane	50	61.4	123	70-130
78-93-3	2-Butanone (MEK)	50	44.8	90	70-130
75-15-0	Carbon disulfide	50	50.7	101	70-130
56-23-5	Carbon tetrachloride	50	83.3	167* [a]	70-130
108-90-7	Chlorobenzene	50	51.4	103	70-130
75-00-3	Chloroethane	50	52.2	104	70-130
67-66-3	Chloroform	50	64.1	128	70-130
74-87-3	Chloromethane	50	50.5	101	70-130
110-82-7	Cyclohexane	50	42.3	85	70-130
96-12-8	1,2-Dibromo-3-chloropropane	50	82.0	164* [a]	70-130
124-48-1	Dibromochloromethane	50	67.7	135* [a]	70-130
106-93-4	1,2-Dibromoethane	50	60.2	120	70-130
95-50-1	1,2-Dichlorobenzene	50	55.4	111	70-130
541-73-1	1,3-Dichlorobenzene	50	53.9	108	70-130
106-46-7	1,4-Dichlorobenzene	50	57.4	115	70-130
75-71-8	Dichlorodifluoromethane	50	40.7	81	70-130
75-34-3	1,1-Dichloroethane	50	57.6	115	70-130
107-06-2	1,2-Dichloroethane	50	70.5	141* [a]	70-130
75-35-4	1,1-Dichloroethene	50	59.4	119	70-130
156-59-2	cis-1,2-Dichloroethene	50	53.2	106	70-130
156-60-5	trans-1,2-Dichloroethene	50	49.5	99	70-130
78-87-5	1,2-Dichloropropane	50	52.9	106	70-130
10061-01-5	cis-1,3-Dichloropropene	50	60.6	121	70-130
10061-02-6	trans-1,3-Dichloropropene	50	62.8	126	70-130
100-41-4	Ethylbenzene	50	52.2	104	70-130
76-13-1	Freon 113	50	59.0	118	70-130
591-78-6	2-Hexanone	50	61.3	123	70-130
98-82-8	Isopropylbenzene	50	45.6	91	70-130
79-20-9	Methyl Acetate	50	40.8	82	33-141
108-87-2	Methylcyclohexane	50	49.8	100	78-140
1634-04-4	Methyl Tert Butyl Ether	50	62.8	126	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	72.0	144* [a]	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2328-BS1	P71142.D	1	08/20/13	KD	n/a	n/a	MSP2328

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23456-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
75-09-2	Methylene chloride	50	58.2	116	70-130
100-42-5	Styrene	50	49.1	98	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	60.7	121	70-130
127-18-4	Tetrachloroethene	50	60.9	122	70-130
108-88-3	Toluene	50	56.0	112	70-130
120-82-1	1,2,4-Trichlorobenzene	50	58.9	118	70-130
71-55-6	1,1,1-Trichloroethane	50	72.2	144* [a]	70-130
79-00-5	1,1,2-Trichloroethane	50	61.8	124	70-130
79-01-6	Trichloroethene	50	57.8	116	70-130
75-69-4	Trichlorofluoromethane	50	64.2	128	70-130
75-01-4	Vinyl chloride	50	42.9	86	70-130
1330-20-7	Xylene (total)	150	149	99	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	70-130%
2037-26-5	Toluene-D8	90%	70-130%
460-00-4	4-Bromofluorobenzene	78%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5089-BS	G130514.D	1	08/15/13	JM	n/a	n/a	MSG5089
MSG5089-BSD	G130515.D	1	08/15/13	JM	n/a	n/a	MSG5089

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23456-1, MC23456-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	2500	2110	84	1790	72	16	70-130/25
71-43-2	Benzene	2500	2500	100	2120	85	16	70-130/25
75-27-4	Bromodichloromethane	2500	2680	107	2290	92	16	70-130/25
75-25-2	Bromoform	2500	2690	108	2420	97	11	70-130/25
74-83-9	Bromomethane	2500	3150	126	2600	104	19	70-130/25
78-93-3	2-Butanone (MEK)	2500	2240	90	2100	84	6	70-130/25
75-15-0	Carbon disulfide	2500	2750	110	2280	91	19	70-130/25
56-23-5	Carbon tetrachloride	2500	2980	119	2510	100	17	70-130/25
108-90-7	Chlorobenzene	2500	2940	118	2520	101	15	70-130/25
75-00-3	Chloroethane	2500	2780	111	2280	91	20	70-130/25
67-66-3	Chloroform	2500	2550	102	2160	86	17	70-130/25
74-87-3	Chloromethane	2500	2550	102	2150	86	17	70-130/25
110-82-7	Cyclohexane	2500	2450	98	2050	82	18	70-130/25
96-12-8	1,2-Dibromo-3-chloropropane	2500	2040	82	1890	76	8	70-130/25
124-48-1	Dibromochloromethane	2500	2760	110	2460	98	11	70-130/25
106-93-4	1,2-Dibromoethane	2500	2780	111	2490	100	11	70-130/25
95-50-1	1,2-Dichlorobenzene	2500	2820	113	2430	97	15	70-130/25
541-73-1	1,3-Dichlorobenzene	2500	2900	116	2470	99	16	70-130/25
106-46-7	1,4-Dichlorobenzene	2500	2680	107	2310	92	15	70-130/25
75-71-8	Dichlorodifluoromethane	2500	2510	100	1900	76	28* [a]	70-130/25
75-34-3	1,1-Dichloroethane	2500	2500	100	2120	85	16	70-130/25
107-06-2	1,2-Dichloroethane	2500	2560	102	2200	88	15	70-130/25
75-35-4	1,1-Dichloroethene	2500	2770	111	2290	92	19	70-130/25
156-59-2	cis-1,2-Dichloroethene	2500	2530	101	2140	86	17	70-130/25
156-60-5	trans-1,2-Dichloroethene	2500	2610	104	2170	87	18	70-130/25
78-87-5	1,2-Dichloropropane	2500	2440	98	2090	84	15	70-130/25
10061-01-5	cis-1,3-Dichloropropene	2500	2550	102	2190	88	15	70-130/25
10061-02-6	trans-1,3-Dichloropropene	2500	2820	113	2460	98	14	70-130/25
100-41-4	Ethylbenzene	2500	2730	109	2330	93	16	70-130/25
76-13-1	Freon 113	2500	2980	119	2440	98	20	70-130/25
591-78-6	2-Hexanone	2500	2200	88	1970	79	11	70-130/25
98-82-8	Isopropylbenzene	2500	2980	119	2500	100	18	70-130/25
79-20-9	Methyl Acetate	2500	1680	67	1520	61	10	33-141/25
108-87-2	Methylcyclohexane	2500	2820	113	2340	94	19	78-140/25
1634-04-4	Methyl Tert Butyl Ether	2500	2380	95	2090	84	13	70-130/25
108-10-1	4-Methyl-2-pentanone (MIBK)	2500	1900	76	1730	69* [b]	9	70-130/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5089-BS	G130514.D	1	08/15/13	JM	n/a	n/a	MSG5089
MSG5089-BSD	G130515.D	1	08/15/13	JM	n/a	n/a	MSG5089

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23456-1, MC23456-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	2500	2340	94	1970	79	17	70-130/25
100-42-5	Styrene	2500	2690	108	2300	92	16	70-130/25
79-34-5	1,1,2,2-Tetrachloroethane	2500	2550	102	2260	90	12	70-130/25
127-18-4	Tetrachloroethene	2500	3010	120	2560	102	16	70-130/25
108-88-3	Toluene	2500	2690	108	2270	91	17	70-130/25
120-82-1	1,2,4-Trichlorobenzene	2500	2320	93	2000	80	15	70-130/25
71-55-6	1,1,1-Trichloroethane	2500	2620	105	2200	88	17	70-130/25
79-00-5	1,1,2-Trichloroethane	2500	2550	102	2220	89	14	70-130/25
79-01-6	Trichloroethene	2500	2560	102	2180	87	16	70-130/25
75-69-4	Trichlorofluoromethane	2500	2970	119	2450	98	19	70-130/25
75-01-4	Vinyl chloride	2500	2120	85	1810	72	16	70-130/25
1330-20-7	Xylene (total)	7500	8690	116	7460	99	15	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	106%	90%	70-130%
2037-26-5	Toluene-D8	103%	88%	70-130%
460-00-4	4-Bromofluorobenzene	101%	87%	70-130%

(a) Outside control limits. Individual spike recoveries within acceptance limits.
(b) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23416-3MS	G130536.D	1	08/15/13	JM	n/a	n/a	MSG5089
MC23416-3MSD	G130537.D	1	08/15/13	JM	n/a	n/a	MSG5089
MC23416-3	G130525.D	1	08/15/13	JM	n/a	n/a	MSG5089

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23456-1, MC23456-2

CAS No.	Compound	MC23416-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		2540	1410	56* [a]	1600	63* [a]	13	70-130/30
71-43-2	Benzene	92.0		2540	2660	101	2540	96	5	70-130/30
75-27-4	Bromodichloromethane	ND		2540	2790	110	2660	105	5	70-130/30
75-25-2	Bromoform	ND		2540	2700	106	2720	107	1	70-130/30
74-83-9	Bromomethane	ND		2540	3500	138* [a]	3150	124	11	70-130/30
78-93-3	2-Butanone (MEK)	ND		2540	1860	73	2030	80	9	70-130/30
75-15-0	Carbon disulfide	ND		2540	2700	106	2610	103	3	70-130/30
56-23-5	Carbon tetrachloride	ND		2540	3120	123	2980	117	5	70-130/30
108-90-7	Chlorobenzene	ND		2540	3020	119	2900	114	4	70-130/30
75-00-3	Chloroethane	ND		2540	3010	118	2730	107	10	70-130/30
67-66-3	Chloroform	ND		2540	2690	106	2530	100	6	70-130/30
74-87-3	Chloromethane	ND		2540	2550	100	2440	96	4	70-130/30
110-82-7	Cyclohexane	ND		2540	2450	96	2350	93	4	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		2540	1940	76	2170	85	11	70-130/30
124-48-1	Dibromochloromethane	ND		2540	2820	111	2780	109	1	70-130/30
106-93-4	1,2-Dibromoethane	ND		2540	2810	111	2790	110	1	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		2540	2880	113	2810	111	2	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		2540	2960	117	2870	113	3	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		2540	2740	108	2650	104	3	70-130/30
75-71-8	Dichlorodifluoromethane	ND		2540	2240	88	2170	85	3	70-130/30
75-34-3	1,1-Dichloroethane	ND		2540	2610	103	2450	96	6	70-130/30
107-06-2	1,2-Dichloroethane	ND		2540	2630	104	2510	99	5	70-130/30
75-35-4	1,1-Dichloroethene	ND		2540	2710	107	2630	104	3	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		2540	2580	102	2450	96	5	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		2540	2690	106	2510	99	7	70-130/30
78-87-5	1,2-Dichloropropane	ND		2540	2520	99	2360	93	7	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		2540	2540	100	2440	96	4	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		2540	2830	111	2710	107	4	70-130/30
100-41-4	Ethylbenzene	160		2540	2970	111	2860	106	4	70-130/30
76-13-1	Freon 113	ND		2540	2900	114	2800	110	4	70-130/30
591-78-6	2-Hexanone	ND		2540	1880	74	2080	82	10	70-130/30
98-82-8	Isopropylbenzene	ND		2540	3090	122	2960	117	4	70-130/30
79-20-9	Methyl Acetate	ND		2540	1670	66	1730	68	4	30-160/30
108-87-2	Methylcyclohexane	ND		2540	2780	109	2680	106	4	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		2540	2450	96	2380	94	3	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2540	1880	74	1990	78	6	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23416-3MS	G130536.D	1	08/15/13	JM	n/a	n/a	MSG5089
MC23416-3MSD	G130537.D	1	08/15/13	JM	n/a	n/a	MSG5089
MC23416-3	G130525.D	1	08/15/13	JM	n/a	n/a	MSG5089

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23456-1, MC23456-2

CAS No.	Compound	MC23416-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	ND		2540	2360	93	2260	89	4	70-130/30
100-42-5	Styrene	ND		2540	2760	109	2640	104	4	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		2540	2520	99	2610	103	4	70-130/30
127-18-4	Tetrachloroethene	ND		2540	3110	122	2950	116	5	70-130/30
108-88-3	Toluene	603		2540	3380	109	3220	103	5	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		2540	2150	85	2350	93	9	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		2540	2790	110	2570	101	8	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		2540	2580	102	2520	99	2	70-130/30
79-01-6	Trichloroethene	ND		2540	2650	104	2540	100	4	70-130/30
75-69-4	Trichlorofluoromethane	ND		2540	2960	117	2830	111	4	70-130/30
75-01-4	Vinyl chloride	ND		2540	2450	96	2200	87	11	70-130/30
1330-20-7	Xylene (total)	745		7620	9680	117	9240	111	5	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23416-3	Limits
1868-53-7	Dibromofluoromethane	108%	101%	102%	70-130%
2037-26-5	Toluene-D8	104%	99%	100%	70-130%
460-00-4	4-Bromofluorobenzene	101%	99%	98%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23456-3MS	P71089.D	1	08/16/13	KD	n/a	n/a	MSP2328
MC23456-3MSD	P71090.D	1	08/16/13	KD	n/a	n/a	MSP2328
MC23456-3	P71155.D	1	08/20/13	KD	n/a	n/a	MSP2328

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23456-3

CAS No.	Compound	MC23456-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	15.3		59.5	65.0	83	61.2	79	6	70-130/30
71-43-2	Benzene	ND		59.5	62.2	104	69.1	119	11	70-130/30
75-27-4	Bromodichloromethane	ND		59.5	81.4	137* [a]	88.9	153* [a]	9	70-130/30
75-25-2	Bromoform	ND		59.5	60.3	101	66.4	115	10	70-130/30
74-83-9	Bromomethane	ND		59.5	72.9	122	86.0	148* [a]	16	70-130/30
78-93-3	2-Butanone (MEK)	ND		59.5	59.8	100	65.3	113	9	70-130/30
75-15-0	Carbon disulfide	ND		59.5	64.8	109	69.7	120	7	70-130/30
56-23-5	Carbon tetrachloride	ND		59.5	94.6	159* [a]	103	178* [a]	9	70-130/30
108-90-7	Chlorobenzene	ND		59.5	45.1	76	48.8	84	8	70-130/30
75-00-3	Chloroethane	ND		59.5	66.3	111	72.5	125	9	70-130/30
67-66-3	Chloroform	ND		59.5	76.2	128	82.5	142* [a]	8	70-130/30
74-87-3	Chloromethane	ND		59.5	56.0	94	65.9	114	16	70-130/30
110-82-7	Cyclohexane	ND		59.5	38.8	65* [b]	42.8	74	10	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		59.5	82.8	139* [a]	98.0	169* [a]	17	70-130/30
124-48-1	Dibromochloromethane	ND		59.5	60.6	102	66.4	115	9	70-130/30
106-93-4	1,2-Dibromoethane	ND		59.5	51.8	87	57.6	99	11	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		59.5	48.5	81	53.3	92	9	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		59.5	51.9	87	54.6	94	5	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		59.5	54.9	92	57.2	99	4	70-130/30
75-71-8	Dichlorodifluoromethane	ND		59.5	60.7	102	68.6	118	12	70-130/30
75-34-3	1,1-Dichloroethane	ND		59.5	65.0	109	69.6	120	7	70-130/30
107-06-2	1,2-Dichloroethane	ND		59.5	76.6	129	85.4	147* [b]	11	70-130/30
75-35-4	1,1-Dichloroethene	ND		59.5	78.6	132* [a]	84.4	146* [a]	7	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		59.5	56.0	94	58.5	101	4	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		59.5	52.5	88	59.2	102	12	70-130/30
78-87-5	1,2-Dichloropropane	ND		59.5	52.2	88	59.7	103	13	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		59.5	60.9	102	68.5	118	12	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		59.5	57.9	97	65.8	114	13	70-130/30
100-41-4	Ethylbenzene	ND		59.5	55.0	92	59.1	102	7	70-130/30
76-13-1	Freon 113	ND		59.5	75.2	126	83.9	145* [b]	11	70-130/30
591-78-6	2-Hexanone	ND		59.5	40.7	68* [b]	52.7	91	26	70-130/30
98-82-8	Isopropylbenzene	ND		59.5	81.3	137* [b]	86.6	149* [b]	6	70-130/30
79-20-9	Methyl Acetate	ND		59.5	42.4	71	49.1	85	15	30-160/30
108-87-2	Methylcyclohexane	ND		59.5	49.7	83	51.6	89	4	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		59.5	95.0	160* [a]	101	174* [a]	6	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		59.5	54.7	92	66.1	114	19	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23456-3MS	P71089.D	1	08/16/13	KD	n/a	n/a	MSP2328
MC23456-3MSD	P71090.D	1	08/16/13	KD	n/a	n/a	MSP2328
MC23456-3	P71155.D	1	08/20/13	KD	n/a	n/a	MSP2328

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23456-3

CAS No.	Compound	MC23456-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	18.7		59.5	79.3	102	89.1	121	12	70-130/30
100-42-5	Styrene	ND		59.5	25.8	43* [b]	25.6	44* [b]	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		59.5	93.9	158* [b]	104	179* [b]	10	70-130/30
127-18-4	Tetrachloroethene	ND		59.5	57.0	96	59.5	103	4	70-130/30
108-88-3	Toluene	0.87	J	59.5	58.6	97	65.8	112	12	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		59.5	30.8	52* [b]	29.8	51* [b]	3	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		59.5	84.3	142* [b]	91.2	157* [b]	8	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		59.5	59.3	100	67.6	117	13	70-130/30
79-01-6	Trichloroethene	22.9		59.5	117	158* [b]	116	161* [b]	1	70-130/30
75-69-4	Trichlorofluoromethane	ND		59.5	79.9	134* [b]	86.0	148* [b]	7	70-130/30
75-01-4	Vinyl chloride	0.72	J	59.5	49.0	81	54.4	93	10	70-130/30
1330-20-7	Xylene (total)	ND		179	140	78	152	87	8	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23456-3	Limits
1868-53-7	Dibromofluoromethane	105%	102%	114%	70-130%
2037-26-5	Toluene-D8	94%	95%	81%	70-130%
460-00-4	4-Bromofluorobenzene	130%	130%	107%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.
(b) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23505-1MS	G130585.D	1	08/16/13	JM	n/a	n/a	MSG5090
MC23505-1MSD	G130586.D	1	08/16/13	JM	n/a	n/a	MSG5090
MC23505-1	G130582.D	1	08/16/13	JM	n/a	n/a	MSG5090

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23456-2

CAS No.	Compound	MC23505-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
79-01-6	Trichloroethene	ND		6410	6420	100	6470	101	1	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23505-1	Limits
1868-53-7	Dibromofluoromethane	111%	112%	108%	70-130%
2037-26-5	Toluene-D8	105%	106%	105%	70-130%
460-00-4	4-Bromofluorobenzene	105%	103%	103%	70-130%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSG5050-BFB
Lab File ID: G128900.D
Instrument ID: GCMSG
Injection Date: 06/29/13
Injection Time: 00:19

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	10829	16.4		Pass
75	30.0 - 60.0% of mass 95	29736	44.9		Pass
95	Base peak, 100% relative abundance	66213	100.0		Pass
96	5.0 - 9.0% of mass 95	4411	6.66		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	49936	75.4		Pass
175	5.0 - 9.0% of mass 174	3431	5.18	(6.87) [a]	Pass
176	95.0 - 101.0% of mass 174	48498	73.2	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	3017	4.56	(6.22) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSG5050-IC5050	G128901.D	06/29/13	00:47	00:28	Initial cal 0.5
MSG5050-IC5050	G128902.D	06/29/13	01:15	00:56	Initial cal 2
MSG5050-IC5050	G128903.D	06/29/13	01:43	01:24	Initial cal 5
MSG5050-IC5050	G128904.D	06/29/13	02:11	01:52	Initial cal 25
MSG5050-ICC5050	G128905.D	06/29/13	02:39	02:20	Initial cal 50
MSG5050-IC5050	G128906.D	06/29/13	03:07	02:48	Initial cal 100
MSG5050-IC5050	G128907.D	06/29/13	03:36	03:17	Initial cal 200
MSG5050-IC5050	G128908.D	06/29/13	04:04	03:45	Initial cal 400
MSG5050-ICV5050	G128911.D	06/29/13	05:28	05:09	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSG5089-BFB
Lab File ID: G130513.D
Instrument ID: GCMSG
Injection Date: 08/15/13
Injection Time: 08:42

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	6386	15.2		Pass
75	30.0 - 60.0% of mass 95	18584	44.3		Pass
95	Base peak, 100% relative abundance	41971	100.0		Pass
96	5.0 - 9.0% of mass 95	2950	7.03		Pass
173	Less than 2.0% of mass 174	54	0.13	(0.17) [a]	Pass
174	50.0 - 150.0% of mass 95	32081	76.4		Pass
175	5.0 - 9.0% of mass 174	2379	5.67	(7.42) [a]	Pass
176	95.0 - 101.0% of mass 174	31056	74.0	(96.8) [a]	Pass
177	5.0 - 9.0% of mass 176	2117	5.04	(6.82) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSG5089-CC5050	G130513.D	08/15/13	08:42	00:00	Continuing cal 50
MSG5089-BS	G130514.D	08/15/13	09:11	00:29	Blank Spike
MSG5089-BSD	G130515.D	08/15/13	09:39	00:57	Blank Spike Duplicate
MSG5089-MB	G130517.D	08/15/13	10:34	01:52	Method Blank
ZZZZZZ	G130518.D	08/15/13	11:02	02:20	(unrelated sample)
ZZZZZZ	G130519.D	08/15/13	11:31	02:49	(unrelated sample)
ZZZZZZ	G130520.D	08/15/13	11:59	03:17	(unrelated sample)
ZZZZZZ	G130521.D	08/15/13	12:28	03:46	(unrelated sample)
ZZZZZZ	G130522.D	08/15/13	12:57	04:15	(unrelated sample)
ZZZZZZ	G130523.D	08/15/13	13:25	04:43	(unrelated sample)
ZZZZZZ	G130524.D	08/15/13	13:54	05:12	(unrelated sample)
MC23416-3	G130525.D	08/15/13	14:22	05:40	(used for QC only; not part of job MC23456)
ZZZZZZ	G130526.D	08/15/13	14:51	06:09	(unrelated sample)
ZZZZZZ	G130527.D	08/15/13	15:19	06:37	(unrelated sample)
ZZZZZZ	G130528.D	08/15/13	15:47	07:05	(unrelated sample)
MC23456-1	G130529.D	08/15/13	16:16	07:34	LBA-TP-03
MC23456-2	G130530.D	08/15/13	16:44	08:02	LBA-TP-10A
ZZZZZZ	G130531.D	08/15/13	17:13	08:31	(unrelated sample)
ZZZZZZ	G130532.D	08/15/13	17:41	08:59	(unrelated sample)
ZZZZZZ	G130533.D	08/15/13	18:10	09:28	(unrelated sample)
ZZZZZZ	G130534.D	08/15/13	18:38	09:56	(unrelated sample)
ZZZZZZ	G130535.D	08/15/13	19:06	10:24	(unrelated sample)
MC23416-3MS	G130536.D	08/15/13	19:34	10:52	Matrix Spike
MC23416-3MSD	G130537.D	08/15/13	20:03	11:21	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSG5090-BFB
Lab File ID: G130561.D
Instrument ID: GCMSG
Injection Date: 08/16/13
Injection Time: 08:16

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	6601	17.2		Pass
75	30.0 - 60.0% of mass 95	18408	48.0		Pass
95	Base peak, 100% relative abundance	38376	100.0		Pass
96	5.0 - 9.0% of mass 95	2873	7.49		Pass
173	Less than 2.0% of mass 174	237	0.62	(0.81) [a]	Pass
174	50.0 - 150.0% of mass 95	29368	76.5		Pass
175	5.0 - 9.0% of mass 174	2142	5.58	(7.29) [a]	Pass
176	95.0 - 101.0% of mass 174	28616	74.6	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	1973	5.14	(6.89) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSG5090-CC5050	G130562.D	08/16/13	08:44	00:28	Continuing cal 50
MSG5090-BS	G130562.D	08/16/13	08:44	00:28	Blank Spike
MSG5090-MB	G130565.D	08/16/13	10:08	01:52	Method Blank
ZZZZZZ	G130566.D	08/16/13	10:36	02:20	(unrelated sample)
ZZZZZZ	G130568.D	08/16/13	11:33	03:17	(unrelated sample)
ZZZZZZ	G130569.D	08/16/13	12:01	03:45	(unrelated sample)
ZZZZZZ	G130570.D	08/16/13	12:30	04:14	(unrelated sample)
ZZZZZZ	G130571.D	08/16/13	12:58	04:42	(unrelated sample)
ZZZZZZ	G130572.D	08/16/13	13:27	05:11	(unrelated sample)
ZZZZZZ	G130574.D	08/16/13	14:24	06:08	(unrelated sample)
ZZZZZZ	G130576.D	08/16/13	15:21	07:05	(unrelated sample)
ZZZZZZ	G130577.D	08/16/13	15:49	07:33	(unrelated sample)
ZZZZZZ	G130578.D	08/16/13	16:18	08:02	(unrelated sample)
ZZZZZZ	G130579.D	08/16/13	16:46	08:30	(unrelated sample)
ZZZZZZ	G130580.D	08/16/13	17:14	08:58	(unrelated sample)
ZZZZZZ	G130581.D	08/16/13	17:43	09:27	(unrelated sample)
MC23505-1	G130582.D	08/16/13	18:11	09:55	(used for QC only; not part of job MC23456)
MC23456-2	G130583.D	08/16/13	18:40	10:24	LBA-TP-10A
ZZZZZZ	G130584.D	08/16/13	19:08	10:52	(unrelated sample)
MC23505-1MS	G130585.D	08/16/13	19:36	11:20	Matrix Spike
MC23505-1MSD	G130586.D	08/16/13	20:04	11:48	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSP2318-BFB
Lab File ID: P70798.D
Instrument ID: GCMSP
Injection Date: 08/05/13
Injection Time: 13:05

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	54912	23.1		Pass
75	30.0 - 60.0% of mass 95	130656	54.9		Pass
95	Base peak, 100% relative abundance	238144	100.0		Pass
96	5.0 - 9.0% of mass 95	16968	7.13		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	183424	77.0		Pass
175	5.0 - 9.0% of mass 174	15398	6.47	(8.39) [a]	Pass
176	95.0 - 101.0% of mass 174	183872	77.2	(100.2) [a]	Pass
177	5.0 - 9.0% of mass 176	12112	5.09	(6.59) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	P70800A.D	08/05/13	14:01	00:56	(unrelated sample)
MSP2318-IC2318	P70800.D	08/05/13	14:01	00:56	Initial cal 0.5
ZZZZZZ	P70801A.D	08/05/13	14:29	01:24	(unrelated sample)
MSP2318-IC2318	P70801.D	08/05/13	14:29	01:24	Initial cal 2
ZZZZZZ	P70802A.D	08/05/13	14:57	01:52	(unrelated sample)
MSP2318-IC2318	P70802.D	08/05/13	14:57	01:52	Initial cal 5
MSP2318-IC2318	P70804.D	08/05/13	15:53	02:48	Initial cal 20
MSP2318-ICC2318	P70805.D	08/05/13	16:21	03:16	Initial cal 50
MSP2318-IC2318	P70806.D	08/05/13	16:49	03:44	Initial cal 100
MSP2318-IC2318	P70807.D	08/05/13	17:17	04:12	Initial cal 200
MSP2318-IC2318	P70808.D	08/05/13	17:45	04:40	Initial cal 400
MSP2318-ICV2318	P70811.D	08/05/13	19:10	06:05	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSP2328-BFB
Lab File ID: P71076.D
Instrument ID: GCMSP
Injection Date: 08/16/13
Injection Time: 10:12

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	14954	17.4		Pass
75	30.0 - 60.0% of mass 95	49596	57.6		Pass
95	Base peak, 100% relative abundance	86064	100.0		Pass
96	5.0 - 9.0% of mass 95	5106	5.93		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	72392	84.1		Pass
175	5.0 - 9.0% of mass 174	5278	6.13	(7.29) [a]	Pass
176	95.0 - 101.0% of mass 174	72724	84.5	(100.5) [a]	Pass
177	5.0 - 9.0% of mass 176	4404	5.12	(6.06) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSP2328-CC2318	P71078.D	08/16/13	11:08	00:56	Continuing cal 50
MSP2328-BS	P71079.D	08/16/13	11:36	01:24	Blank Spike
MSP2328-MB	P71082.D	08/16/13	12:59	02:47	Method Blank
ZZZZZZ	P71087.D	08/16/13	15:20	05:08	(unrelated sample)
MC23456-3MS	P71089.D	08/16/13	16:17	06:05	Matrix Spike
MC23456-3MSD	P71090.D	08/16/13	16:45	06:33	Matrix Spike Duplicate
ZZZZZZ	P71096.D	08/16/13	19:31	09:19	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSP2330-BFB
Lab File ID: P71141.D
Instrument ID: GCMSP
Injection Date: 08/20/13
Injection Time: 09:28

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	51580	21.2		Pass
75	30.0 - 60.0% of mass 95	144709	59.3		Pass
95	Base peak, 100% relative abundance	243840	100.0		Pass
96	5.0 - 9.0% of mass 95	15729	6.45		Pass
173	Less than 2.0% of mass 174	1540	0.63	(0.72) [a]	Pass
174	50.0 - 150.0% of mass 95	213936	87.7		Pass
175	5.0 - 9.0% of mass 174	13961	5.73	(6.53) [a]	Pass
176	95.0 - 101.0% of mass 174	214394	87.9	(100.2) [a]	Pass
177	5.0 - 9.0% of mass 176	14175	5.81	(6.61) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSP2330-CC2318	P71141.D	08/20/13	09:28	00:00	Continuing cal 50
MSP2330-BS	P71142.D	08/20/13	09:56	00:28	Blank Spike
MSP2328-BS1	P71142.D	08/20/13	09:56	00:28	Blank Spike
MSP2330-BSD	P71143.D	08/20/13	10:25	00:57	Blank Spike Duplicate
MSP2328-MB1	P71146.D	08/20/13	11:48	02:20	Method Blank
MSP2330-MB	P71146.D	08/20/13	11:48	02:20	Method Blank
ZZZZZZ	P71147.D	08/20/13	12:16	02:48	(unrelated sample)
JB44690-19	P71148.D	08/20/13	12:44	03:16	(used for QC only; not part of job MC23456)
ZZZZZZ	P71149.D	08/20/13	13:12	03:44	(unrelated sample)
ZZZZZZ	P71150.D	08/20/13	13:40	04:12	(unrelated sample)
ZZZZZZ	P71151.D	08/20/13	14:08	04:40	(unrelated sample)
ZZZZZZ	P71152.D	08/20/13	14:36	05:08	(unrelated sample)
ZZZZZZ	P71153.D	08/20/13	15:04	05:36	(unrelated sample)
ZZZZZZ	P71154.D	08/20/13	15:31	06:03	(unrelated sample)
MC23456-3	P71155.D	08/20/13	15:59	06:31	LBA-TP-16B
JB44690-19MS	P71156.D	08/20/13	16:28	07:00	Matrix Spike
JB44690-19MSD	P71157.D	08/20/13	16:56	07:28	Matrix Spike Duplicate
ZZZZZZ	P71162.D	08/20/13	19:18	09:50	(unrelated sample)
ZZZZZZ	P71164.D	08/20/13	20:13	10:45	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	MSG5089-CC5050	**Injection Date:**	08/15/13
Lab File ID:	G130513.D	**Injection Time:**	08:42
Instrument ID:	GCMSG	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	77908	5.07	126406	6.19	63229	9.54	59911	12.16	29049	3.08
Upper Limit [a]	155816	5.57	252812	6.69	126458	10.04	119822	12.66	58098	3.58
Lower Limit [b]	38954	4.57	63203	5.69	31615	9.04	29956	11.66	14525	2.58

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSG5089-BS	78690	5.07	127723	6.19	62924	9.54	60036	12.16	31110	3.08
MSG5089-BSD	89436	5.07	144259	6.19	70912	9.54	68305	12.16	35900	3.08
MSG5089-MB	74868	5.07	121368	6.19	58930	9.54	53848	12.16	28579	3.09
ZZZZZZ	77263	5.07	125828	6.19	60636	9.54	55967	12.16	28679	3.14
ZZZZZZ	74653	5.07	122694	6.19	59889	9.54	54998	12.16	29329	3.09
ZZZZZZ	76451	5.07	126741	6.19	60965	9.54	57251	12.16	25475	3.12
ZZZZZZ	77743	5.07	129389	6.19	62560	9.54	58273	12.16	30699	3.15
ZZZZZZ	75485	5.07	123629	6.20	60374	9.54	53221	12.16	16921	3.08
ZZZZZZ	75748	5.07	123697	6.20	59866	9.54	53115	12.16	17916	3.07
ZZZZZZ	76057	5.07	125596	6.20	67100	9.54	67748	12.21	19207	3.07
MC23416-3	74949	5.07	122549	6.19	60153	9.54	57104	12.16	22532	3.09
ZZZZZZ	75697	5.07	124534	6.19	62376	9.54	58975	12.16	22074	3.09
ZZZZZZ	76014	5.07	124615	6.19	62016	9.54	57660	12.16	22706	3.09
ZZZZZZ	76632	5.07	125402	6.19	62102	9.54	58321	12.16	22393	3.09
MC23456-1	76422	5.07	126253	6.20	62481	9.54	56139	12.16	20492	3.08
MC23456-2	76889	5.07	124619	6.20	60887	9.54	53536	12.16	23171	3.07
ZZZZZZ	72138	5.07	119098	6.20	57129	9.54	47635	12.16	21758	3.07
ZZZZZZ	73471	5.07	121819	6.20	73186	9.55	54766	12.17	21992	3.07
ZZZZZZ	74378	5.07	121069	6.20	60428	9.54	54066	12.16	23730	3.08
ZZZZZZ	72764	5.07	120262	6.20	69476	9.54	51194	12.16	24175	3.07
ZZZZZZ	72854	5.07	120954	6.20	82703	9.55	55684	12.17	25371	3.07
MC23416-3MS	75286	5.07	122637	6.20	60883	9.54	58112	12.16	25188	3.08
MC23416-3MSD	77283	5.07	124156	6.20	61424	9.54	58011	12.16	29644	3.08

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	MSG5090-CC5050	**Injection Date:**	08/16/13
Lab File ID:	G130562.D	**Injection Time:**	08:44
Instrument ID:	GCMSG	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	72639	5.07	116802	6.19	57712	9.54	54983	12.16	27929	3.08
Upper Limit [a]	145278	5.57	233604	6.69	115424	10.04	109966	12.66	55858	3.58
Lower Limit [b]	36320	4.57	58401	5.69	28856	9.04	27492	11.66	13965	2.58

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSG5090-BS	72639	5.07	116802	6.19	57712	9.54	54983	12.16	27929	3.08
MSG5090-MB	63886	5.07	103437	6.19	51050	9.54	44872	12.16	22231	3.08
ZZZZZZ	64997	5.07	107029	6.19	53056	9.54	48167	12.16	24632	3.14
ZZZZZZ	71221	5.07	115413	6.19	56476	9.54	51422	12.16	25944	3.13
ZZZZZZ	76891	5.07	122783	6.19	60332	9.54	54811	12.16	26378	3.12
ZZZZZZ	66113	5.07	107499	6.19	52986	9.54	47652	12.16	24212	3.11
ZZZZZZ	66588	5.07	109195	6.19	53811	9.54	49087	12.16	24826	3.08
ZZZZZZ	64291	5.07	105046	6.19	51740	9.54	46966	12.16	24519	3.08
ZZZZZZ	64268	5.07	104727	6.19	52415	9.54	47527	12.16	23987	3.08
ZZZZZZ	65065	5.07	104861	6.19	53995	9.54	48386	12.16	24532	3.13
ZZZZZZ	66167	5.07	109696	6.19	57785	9.54	52299	12.16	22575	3.09
ZZZZZZ	68397	5.07	111984	6.19	56595	9.54	51926	12.16	22490	3.10
ZZZZZZ	68270	5.07	111674	6.19	57891	9.54	51646	12.16	24079	3.11
ZZZZZZ	68349	5.07	112918	6.19	56294	9.54	52128	12.16	23428	3.10
ZZZZZZ	70906	5.07	116590	6.19	56630	9.54	53608	12.16	25893	3.12
MC23505-1	69403	5.07	114697	6.19	57960	9.54	53335	12.16	23559	3.08
MC23456-2	65929	5.07	110303	6.20	54571	9.54	44878	12.16	25287	3.07
ZZZZZZ	65728	5.07	109371	6.20	60006	9.54	50910	12.16	22730	3.07
MC23505-1MS	68856	5.07	113638	6.19	57567	9.54	54216	12.16	24373	3.08
MC23505-1MSD	68008	5.07	110884	6.20	56976	9.54	53956	12.16	25331	3.08

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	MSP2328-CC2318	**Injection Date:**	08/16/13
Lab File ID:	P71078.D	**Injection Time:**	11:08
Instrument ID:	GCMSP	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	760886	8.45	982920	9.30	691241	12.55	431387	15.10	443408	6.07
Upper Limit [a]	1521772	8.95	1965840	9.80	1382482	13.05	862774	15.60	886816	6.57
Lower Limit [b]	380443	7.95	491460	8.80	345621	12.05	215694	14.60	221704	5.57

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSP2328-BS	791895	8.45	1038686	9.30	712462	12.55	441185	15.10	441557	6.08
MSP2328-MB	697527	8.46	875595	9.31	515305	12.55	284804	15.10	301248	6.10
ZZZZZZ	634474	8.46	799145	9.31	509155	12.55	274240	15.10	369909	6.08
MC23456-3MS	625869	8.45	812861	9.30	479220	12.55	212648[c]	15.10	384532	6.08
MC23456-3MSD	674948	8.45	852194	9.31	520629	12.55	230573	15.11	405490	6.08
ZZZZZZ	458187	8.46	541720	9.31	237104[d]	12.55	89581[d]	15.11	222535	6.10

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits due to possible matrix interference. Confirmed by MS/MSD.
(d) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

Volatile Internal Standard Area Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std: MSP2330-CC2318 **Injection Date:** 08/20/13
Lab File ID: P71141.D **Injection Time:** 09:28
Instrument ID: GCMSP **Method:** SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	652717	8.45	850964	9.30	536100	12.55	473988	15.10	351595	6.07
Upper Limit [a]	1305434	8.95	1701928	9.80	1072200	13.05	947976	15.60	703190	6.57
Lower Limit [b]	326359	7.95	425482	8.80	268050	12.05	236994	14.60	175798	5.57

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSP2328-BS1	721184	8.45	932383	9.30	599765	12.55	516620	15.10	414426	6.07
MSP2330-BS	721184	8.45	932383	9.30	599765	12.55	516620	15.10	414426	6.07
MSP2330-BSD	783602	8.45	994369	9.31	625356	12.55	539109	15.11	409573	6.07
MSP2328-MB1	640148	8.46	804485	9.31	416026	12.55	300825	15.10	247713	6.09
MSP2330-MB	640148	8.46	804485	9.31	416026	12.55	300825	15.10	247713	6.09
ZZZZZZ	589988	8.46	701836	9.31	343571	12.55	215551[c]	15.11	333251	6.09
JB44690-19	559753	8.46	682353	9.31	333083	12.55	197061[d]	15.10	257819	6.08
ZZZZZZ	518304	8.46	653451	9.31	318284	12.55	188491[c]	15.10	217571	6.10
ZZZZZZ	520342	8.46	626756	9.31	256869[c]	12.55	120205[c]	15.11	212846	6.10
ZZZZZZ	495510	8.46	590698	9.31	259553[c]	12.55	122504[c]	15.11	177246	6.11
ZZZZZZ	495094	8.46	612638	9.31	272916	12.55	120919[c]	15.11	194435	6.10
ZZZZZZ	472843	8.46	590157	9.31	263209[c]	12.55	119130[c]	15.11	170638[e]	6.11
ZZZZZZ	474426	8.46	576867	9.31	252471[c]	12.55	112782[c]	15.11	200687	6.10
MC23456-3	456695	8.46	583053	9.31	258016[d]	12.55	121194[d]	15.11	291971	6.09
JB44690-19MS	503319	8.45	633780	9.31	331363	12.54	206505[d]	15.11	261419	6.08
JB44690-19MSD	560070	8.45	650130	9.30	320020	12.54	200534[d]	15.10	316446	6.08
ZZZZZZ	468350	8.46	563750	9.31	237986[c]	12.55	100363[c]	15.11	289060	6.09
ZZZZZZ	483322	8.46	572919	9.31	285124	12.55	167214[c]	15.11	275808	6.09

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.
(d) Outside control limits due to possible matrix interference. Confirmed by MS/MSD.
(e) Outside control limits. Target analytes not associated with this internal standard.

Volatile Surrogate Recovery Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC23456-1	G130529.D	104.0	102.0	104.0
MC23456-2	G130583.D	117.0	108.0	117.0
MC23456-2	G130530.D	103.0	104.0	105.0
MC23456-3	P71155.D	114.0	81.0	107.0
MC23416-3MS	G130536.D	108.0	104.0	101.0
MC23416-3MSD	G130537.D	101.0	99.0	99.0
MC23456-3MS	P71089.D	105.0	94.0	130.0
MC23456-3MSD	P71090.D	102.0	95.0	130.0
MC23505-1MS	G130585.D	111.0	105.0	105.0
MC23505-1MSD	G130586.D	112.0	106.0	103.0
MSG5089-BS	G130514.D	106.0	103.0	101.0
MSG5089-BSD	G130515.D	90.0	88.0	87.0
MSG5089-MB	G130517.D	105.0	105.0	106.0
MSG5090-BS	G130562.D	103.0	100.0	98.0
MSG5090-MB	G130565.D	114.0	111.0	113.0
MSP2328-BS1	P71142.D	105.0	90.0	78.0
MSP2328-MB	P71082.D	93.0	93.0	107.0
MSP2328-MB1	P71146.D	100.0	84.0	84.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC23456 **Sample:** MSG5050-ICC5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G128905.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report MSG

Method : C:\msdchem\1\METHODS\g130628s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Calibration Files
2 =G128902.D 5 =G128903.D 50 =G128905.D 100 =G128906.D
200 =G128907.D 400 =G128908.D 0.5 =G128901.D 25 =G128904.D
= =

Compound	2	5	50	100	200	400	0.5	25	Avg	%RSD
1) I tert butyl alcohol-d9	ISTD									
2) tertiary butyl alcohol			1.504	1.515	1.461	1.506		1.572	1.512	2.62
3) Ethanol			0.148	0.146	0.135	0.135		0.154	0.144	5.93
4) I pentafluorobenzene	ISTD									
5) dichlorodifluoromethane	0.955	0.767	0.801	0.726	0.722	0.716		0.773	0.780	10.70
6) chloromethane			0.717	0.741	0.653	0.634	0.638	0.695	0.680	6.55
7) vinyl chloride	0.212	0.202	0.215	0.194	0.179	0.181		0.194	0.197	7.04
8) bromomethane	0.484	0.394	0.363	0.355	0.347	0.352		0.412	0.387	12.68
9) chloroethane			0.357	0.346	0.332	0.320	0.318	0.363	0.339	5.64
10) ethyl ether			0.650	0.686	0.666	0.655	0.649	0.697	0.667	2.99
11) acetonitrile			1.332	1.362	1.299	1.240	1.246	1.365	1.307	4.23
12) trichlorofluoromethane	1.076	1.028	1.201	1.129	1.102	1.147		1.148	1.119	5.01
13) freon-113			0.839	0.908	0.841	0.806	0.831	0.859	0.847	4.07
14) acrolein			0.072	0.073	0.069	0.073		0.074	0.072	2.42
15) 1,1-dichloroethene	0.977	0.816	0.851	0.799	0.769	0.803		0.859	0.839	8.13
16) acetone			0.146	0.131	0.121	0.110	0.085	0.131	0.121	17.58
---- Quadratic regression ---- Coefficient = 1.0000										
Response Ratio = 0.00075 + 0.13466 *A + -0.00622 *A^2										
17) Methyl Acetate			1.136	0.952	0.929	0.876	0.832	0.934	0.943	11.06
18) methylene chloride	1.225	1.151	0.949	0.901	0.874	0.872		0.990	0.995	14.10
19) methyl tert butyl ether	2.580	2.240	2.364	2.314	2.278	2.300		2.370	2.349	4.75
20) acrylonitrile			0.321	0.319	0.306	0.308		0.324	0.316	2.50
21) allyl chloride			1.366	1.362	1.300	1.244	1.259	1.365	1.316	4.27

Initial Calibration Summary

Job Number: MC23456 **Sample:** MSG5050-ICC5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G128905.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

22) trans-1,2-dichloroethene
0.975 0.831 0.869 0.830 0.798 0.814 0.879 0.857 6.93
23) iodomethane
1.403 1.491 1.410 1.356 1.342 1.519 1.420 5.01
24) carbon disulfide
2.148 2.577 2.521 2.486 2.629 2.479 2.473 6.84
25) propionitrile
0.120 0.117 0.115 0.113 0.115 0.113 0.115 2.34
26) vinyl acetate
1.001 1.299 1.389 1.345 1.625 1.297 1.326 15.12
---- Linear regression ---- Coefficient = 0.9928
Response Ratio = -0.34246 + 1.61938 *A

27) chloroprene
1.228 1.290 1.239 1.177 1.223 1.287 1.241 3.46
28) di-isopropyl ether
3.378 2.939 2.979 2.886 2.815 2.816 3.051 2.980 6.55
29) methacrylonitrile
0.694 0.635 0.607 0.590 0.593 0.642 0.627 6.24
30) 2-butanone
0.121 0.113 0.105 0.103 0.091 0.115 0.108 10.01
31) Ethyl Acetate
0.381 0.301 0.287 0.283 0.281 0.310 0.307 12.44
32) Hexane
0.891 0.780 0.735 0.700 0.713 0.778 0.766 9.06
33) 1,1-dichloroethane
1.700 1.490 1.543 1.482 1.419 1.441 1.581 1.522 6.31
34) tert-butyl ethyl ether
2.888 2.502 2.642 2.568 2.520 2.561 2.672 2.622 5.05
35) isobutyl alcohol
0.061 0.041 0.036 0.038 0.038 0.046 0.043 21.31
---- Linear regression ---- Coefficient = 0.9995
Response Ratio = 0.01007 + 0.03743 *A

36) 2,2-dichloropropane
0.734 0.705 0.692 0.629 0.593 0.772 0.688 9.64
37) cis-1,2-dichloroethene
1.073 0.930 0.956 0.915 0.884 0.889 0.984 0.947 6.94
38) bromochloromethane
0.415 0.431 0.425 0.415 0.417 0.437 0.423 2.19
39) chloroform
1.709 1.420 1.490 1.450 1.395 1.416 1.518 1.485 7.25
40) dibromofluoromethane (s)
0.769 0.796 0.789 0.772 0.791 0.787 0.784 1.38
41) Tetrahydrofuran
0.229 0.226 0.215 0.212 0.230 0.223 3.79
42) 1,1,1-trichloroethane
1.298 1.141 1.214 1.198 1.155 1.199 1.215 1.203 4.22

43) I 1,4-difluorobenzene ----------ISTD----------
44) Cyclohexane
0.963 1.000 0.935 0.886 0.867 0.990 0.940 5.82
45) carbon tetrachloride
0.571 0.558 0.651 0.644 0.629 0.645 0.622 0.617 6.05
46) 1,1-dichloropropene
0.702 0.735 0.691 0.667 0.666 0.728 0.698 4.22
47) benzene
2.528 2.125 2.148 2.037 1.945 1.900 2.509 2.186 2.172 10.82
48) 1,2-dichloroethane
0.747 0.645 0.674 0.645 0.631 0.619 0.675 0.662 6.44

Initial Calibration Summary

Job Number: MC23456 **Sample:** MSG5050-ICC5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G128905.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
49)  tert-amyl methyl ether
                1.371 1.500 1.412 1.420 1.381       1.496         1.430    3.90
50)  heptane
                1.225 1.154 1.099 1.047 1.010       1.138         1.112    6.99
51)  trichloroethene
          0.653 0.561 0.581 0.548 0.528 0.518 0.637 0.581         0.576    8.36
52)  1,2-dichloropropane
          0.621 0.541 0.560 0.544 0.529 0.519       0.568         0.555    6.07
53)  dibromomethane
                      0.318 0.312 0.305 0.299       0.315         0.310    2.51
54)  bromodichloromethane
          0.613 0.516 0.621 0.626 0.631 0.640       0.602         0.607    6.91
55)  Methylcyclohexane
                0.856 0.920 0.866 0.838 0.837       0.903         0.870    3.95
56)  2-chloroethyl vinyl ether
                0.097 0.131 0.141 0.154 0.163       0.118         0.134   18.11
              ---- Linear regression ----  Coefficient =  0.9990
                Response Ratio = -0.02844 + 0.16505 *A

57)  methyl methacrylate
                0.333 0.344 0.338 0.328 0.328       0.336         0.334    1.86
58)  1,4-dioxane
                      0.006 0.006 0.006 0.005       0.005         0.005    5.57
59)  cis-1,3-dichloropropene
          0.886 0.761 0.876 0.852 0.844 0.838       0.864         0.846    4.86
60)  toluene-d8 (s)
          2.157 1.937 1.975 1.891 1.812 1.786 2.267 1.972         1.975    8.33
61)  4-methyl-2-pentanone
                0.558 0.569 0.546 0.547 0.542       0.545         0.551    1.88
62)  toluene
                1.336 1.376 1.309 1.244 1.213       1.391         1.311    5.43
63)  trans-1,3-dichloropropene
          0.678 0.613 0.707 0.694 0.686 0.677       0.690         0.678    4.49
64)  1,1,2-trichloroethane
          0.428 0.376 0.396 0.381 0.371 0.360       0.393         0.387    5.76
65)  ethyl methacrylate
                0.613 0.664 0.639 0.627 0.608       0.649         0.633    3.40

66) I   chlorobenzene-d5      ----------------ISTD--------------------
67)  tetrachloroethene
          1.216 1.049 1.073 1.005 0.948 0.934 1.089 1.074         1.048    8.54
68)  1,3-dichloropropane
                1.465 1.540 1.507 1.443 1.422       1.532         1.485    3.27
69)  dibromochloromethane
          0.708 0.617 0.857 0.908 0.927 0.964       0.785         0.824   15.36
              ---- Linear regression ----  Coefficient =  0.9996
                Response Ratio = -0.07824 + 0.96679 *A

70)  1,2-dibromoethane
          0.947 0.827 0.911 0.899 0.877 0.878       0.892         0.890    4.12
71)  2-hexanone
                0.798 0.757 0.681 0.651 0.560       0.744         0.699   12.30
72)  chlorobenzene
          3.268 2.721 2.833 2.698 2.582 2.520       2.890         2.788    8.90
73)  1,1,1,2-tetrachloroethane
                0.850 0.959 0.943 0.904 0.862       0.941         0.910    5.02
74)  ethylbenzene
          6.007 5.106 5.199 4.915 4.604 4.423       5.277         5.076   10.17
75)  m,p-xylene
          2.208 1.875 1.932 1.819 1.678 1.551       1.951         1.859   11.31
```

Initial Calibration Summary

Job Number: MC23456 **Sample:** MSG5050-ICC5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G128905.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
 76)  o-xylene
            2.040 1.738 1.851 1.750 1.664 1.617       1.856         1.788    7.94
 77)  styrene
                  3.153 3.372 3.170 3.036 2.932       3.414         3.179    5.88
 78)  bromoform
            0.336 0.320 0.482 0.520 0.548 0.564       0.426         0.457   21.70
             ---- Linear regression ----  Coefficient =  0.9996
               Response Ratio = -0.05730 + 0.56850 *A

 79)  trans-1,4-dichloro-2-butene
                  0.240 0.313 0.314 0.317 0.324       0.286         0.299   10.65

 80) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
 81)  isopropylbenzene
                  4.974 5.097 4.843 4.434 4.387       5.184         4.820    7.01
 82)  bromofluorobenzene (s)
            1.926 1.735 1.669 1.591 1.505 1.514       1.639         1.654    8.79
 83)  bromobenzene
                  1.325 1.342 1.286 1.196 1.166       1.383         1.283    6.66
 84)  1,1,2,2-tetrachloroethane
            1.277 1.096 1.209 1.182 1.148 1.167       1.180         1.180    4.72
 85)  1,2,3-trichloropropane
                  0.948 0.987 0.944 0.915 0.904       0.956         0.942    3.15
 86)  n-propylbenzene
                  5.858 6.013 5.723 5.247 5.179       6.115         5.689    6.90
 87)  2-chlorotoluene
                  4.285 4.221 3.976 3.675 3.602       4.307         4.011    7.79
 88)  4-chlorotoluene
                  3.607 3.652 3.471 3.248 3.237       3.725         3.490    5.98
 89)  1,3,5-trimethylbenzene
                  4.488 4.669 4.431 4.094 3.995       4.688         4.394    6.61
 90)  tert-butylbenzene
                  2.933 2.889 2.759 2.551 2.563       2.935         2.772    6.43
 91)  1,2,4-trimethylbenzene
                  4.520 4.670 4.466 4.137 4.126       4.762         4.447    5.98
 92)  sec-butylbenzene
                  5.049 5.234 4.942 4.585 4.592       5.292         4.949    6.19
 93)  1,3-dichlorobenzene
            2.649 2.261 2.338 2.223 2.094 2.072       2.391         2.290    8.60
 94)  p-isopropyltoluene
                  4.168 4.431 4.170 3.882 3.891       4.448         4.165    5.94
 95)  1,4-dichlorobenzene
            2.961 2.536 2.550 2.435 2.310 2.248       2.599         2.520    9.26
 96)  1,2-dichlorobenzene
            2.518 2.161 2.247 2.142 2.050 2.016       2.272         2.201    7.64
 97)  n-butylbenzene
                  4.012 4.374 4.106 3.889 3.897       4.368         4.108    5.34
 98)  1,2-dibromo-3-chloropropane
                  0.145 0.180 0.189 0.194 0.206       0.158         0.179   12.95
 99)  1,3,5-trichlorobenzene
                        1.691 1.613 1.558 1.517       1.670         1.610    4.56
100)  1,2,4-trichlorobenzene
                  1.137 1.482 1.455 1.421 1.370       1.401         1.378    9.01
101)  hexachlorobutadiene
                  0.703 0.764 0.699 0.672 0.642       0.731         0.702    6.11
102)  naphthalene
                  2.514 3.340 3.329 3.250 3.247       3.052         3.122   10.10
103)  2-Methylnaphthalene
                        0.797 0.861 0.972 1.055       0.617         0.860   19.59
             ---- Linear regression ----  Coefficient =  0.9989
```

Initial Calibration Summary

Job Number: MC23456 **Sample:** MSG5050-ICC5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G128905.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
               Response Ratio = -0.17096 + 1.08806 *A

104)  1-Methylnaphthalene
                  0.374 0.610 0.651 0.706 0.752       0.471         0.594   24.37
              ---- Linear regression ----  Coefficient =  0.9989
               Response Ratio = -0.07325 + 0.76309 *A

105)  1,2,3-trichlorobenzene
                        1.215 1.184 1.166 1.136       1.104         1.161    3.68
 ---------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           g130628s.m        Mon Jul 01 09:04:14 2013
```

Initial Calibration Verification

Job Number: MC23456 **Sample:** MSG5050-ICV5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G128911.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\G130628\G128911.D Vial: 38
Acq On : 29 Jun 2013 5:28 am Operator: jaimem
Sample : cc5050-50 Inst : MSG
Misc : MS29239,MSG5050,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130628s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Jun 29 07:48:45 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	96	0.00	3.08
2	M	tertiary butyl alcohol	1.512	1.558	-3.0	99	-0.01	3.16
3	T	Ethanol	0.144	0.121	16.0	78	-0.01	2.45
4	I	pentafluorobenzene	1.000	1.000	0.0	100	0.00	5.07
5	M	dichlorodifluoromethane	0.780	0.998	-27.9#	124	0.00	1.65
6	P	chloromethane	0.680	0.869	-27.8#	117	0.00	1.83
7	c	vinyl chloride	0.197	0.214	-8.6	99	0.03	1.92
8	M	bromomethane	0.387	0.417	-7.8	115	0.02	2.28
9	M	chloroethane	0.339	0.395	-16.5	114	0.00	2.34
10	M	ethyl ether	0.667	0.661	0.9	96	0.00	2.79
11	M	acetonitrile	1.307	1.303	0.3	95	0.00	3.42
12	M	trichlorofluoromethane	1.119	1.210	-8.1	101	0.03	2.61
13	M	freon-113	0.847	0.928	-9.6	102	0.00	2.93
14	M	acrolein	0.072	0.128	-77.8#	176	0.00	2.91
15	c	1,1-dichloroethene	0.839	0.906	-8.0	106	0.01	3.10
			Amount	Calc.	%Drift			
16	M	acetone	50.000	57.608	-15.2	113	0.00	2.97
			AvgRF	CCRF	%Dev			
17	M	Methyl Acetate	0.943	0.978	-3.7	103	0.00	3.38
18	M	methylene chloride	0.995	0.949	4.6	100	0.00	3.54
19	M	methyl tert butyl ether	2.349	2.260	3.8	95	0.00	3.67
20	M	acrylonitrile	0.316	0.306	3.2	95	0.00	3.64
21	M	allyl chloride	1.316	1.303	1.0	95	0.00	3.42
22	M	trans-1,2-dichloroethene	0.857	0.855	0.2	98	0.00	3.80
23	M	iodomethane	1.420	1.472	-3.7	99	0.00	3.39
24	M	carbon disulfide	2.473	2.618	-5.9	101	0.00	3.60
25	M	propionitrile	0.115	0.106	7.8	90	0.00	4.72
			Amount	Calc.	%Drift			
26	M	vinyl acetate	50.000	27.884	44.2#	43	0.00	4.21
			AvgRF	CCRF	%Dev			
27	M	chloroprene	1.241	1.317	-6.1	102	0.00	4.31
28	M	di-isopropyl ether	2.980	2.746	7.9	92	0.00	4.10
29	M	methacrylonitrile	0.627	0.601	4.1	94	0.00	4.93
30	M	2-butanone	0.108	0.123	-13.9	109	0.00	4.64
31		Ethyl Acetate	0.307	0.332	-8.1	110	0.00	4.81
32	M	Hexane	0.766	0.784	-2.3	100	0.00	3.85
33	P	1,1-dichloroethane	1.522	1.549	-1.8	100	0.00	4.22

Initial Calibration Verification

Job Number: MC23456 **Sample:** MSG5050-ICV5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G128911.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

34	M	tert-butyl ethyl ether	2.622	2.547	2.9	96	0.00	4.51
		----------	Amount	Calc.	%Drift	----------		
35	M	isobutyl alcohol	250.000	262.986	-5.2	101	0.00	4.97
		----------	AvgRF	CCRF	%Dev	----------		
36	M	2,2-dichloropropane	0.688	0.673	2.2	95	0.00	4.79
37	M	cis-1,2-dichloroethene	0.947	0.918	3.1	96	0.00	4.84
38	M	bromochloromethane	0.423	0.427	-0.9	99	0.00	5.18
39	c	chloroform	1.485	1.456	2.0	98	0.00	5.00
40	S	dibromofluoromethane (s)	0.784	0.778	0.8	98	0.00	5.23
41	M	Tetrahydrofuran	0.223	0.211	5.4	92	0.00	5.22
42	M	1,1,1-trichloroethane	1.203	1.227	-2.0	101	0.00	5.44
43	I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	6.20
44	M	Cyclohexane	0.940	0.913	2.9	93	0.00	5.45
45	M	carbon tetrachloride	0.617	0.642	-4.1	100	0.00	5.71
46	M	1,1-dichloropropene	0.698	0.731	-4.7	101	0.00	5.60
47	M	benzene	2.172	2.075	4.5	98	0.00	5.90
48	M	1,2-dichloroethane	0.662	0.649	2.0	98	0.00	5.88
49	M	tert-amyl methyl ether	1.430	1.409	1.5	95	0.00	5.73
50	M	heptane	1.112	1.072	3.6	94	0.00	5.74
51	M	trichloroethene	0.576	0.578	-0.3	101	0.00	6.56
52	c	1,2-dichloropropane	0.555	0.539	2.9	98	0.00	6.76
53	M	dibromomethane	0.310	0.310	0.0	99	0.00	7.08
54	M	bromodichloromethane	0.607	0.605	0.3	99	0.00	7.02
55	M	Methylcyclohexane	0.870	0.880	-1.1	97	0.00	6.63
		----------	Amount	Calc.	%Drift	----------		
56	M	2-chloroethyl vinyl ether	50.000	37.346	25.3#	73	0.00	7.35
		----------	AvgRF	CCRF	%Dev	----------		
57	M	methyl methacrylate	0.334	0.318	4.8	94	0.00	6.82
58	M	1,4-dioxane	0.005	0.005	0.0	84	0.00	7.06
59	M	cis-1,3-dichloropropene	0.846	0.799	5.6	93	0.00	7.61
60	S	toluene-d8 (s)	1.975	1.883	4.7	97	0.00	7.88
61	M	4-methyl-2-pentanone	0.551	0.507	8.0	91	0.00	7.38
62	c	toluene	1.311	1.333	-1.7	98	0.00	7.97
63	M	trans-1,3-dichloropropene	0.678	0.700	-3.2	100	0.00	8.16
64	M	1,1,2-trichloroethane	0.387	0.380	1.8	97	0.00	8.34
65	M	ethyl methacrylate	0.633	0.617	2.5	94	0.00	8.15
66	I	chlorobenzene-d5	1.000	1.000	0.0	101	0.00	9.54
67	M	tetrachloroethene	1.048	1.062	-1.3	100	0.00	8.68
68	M	1,3-dichloropropane	1.485	1.467	1.2	96	0.00	8.61
		----------	Amount	Calc.	%Drift	----------		
69	M	dibromochloromethane	50.000	48.000	4.0	100	0.00	8.91
		----------	AvgRF	CCRF	%Dev	----------		
70	M	1,2-dibromoethane	0.890	0.904	-1.6	100	0.00	9.13
71	M	2-hexanone	0.699	0.828	-18.5	110	0.00	8.35
72	P	chlorobenzene	2.788	2.910	-4.4	104	0.00	9.58
73	M	1,1,1,2-tetrachloroethane	0.910	0.929	-2.1	98	0.00	9.63
74	c	ethylbenzene	5.076	5.029	0.9	98	0.00	9.64
75	M	m,p-xylene	1.859	1.929	-3.8	101	0.00	9.72
76	M	o-xylene	1.788	1.895	-6.0	103	0.00	10.20
77	M	styrene	3.179	3.175	0.1	95	0.00	10.24
		----------	Amount	Calc.	%Drift	----------		

Initial Calibration Verification

Job Number: MC23456 **Sample:** MSG5050-ICV5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G128911.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

78	P	bromoform	50.000	46.020	8.0	98	0.00	10.61
		----------	AvgRF	CCRF	%Dev	----------		
79	M	trans-1,4-dichloro-2-bute	0.299	0.277	7.4	89	0.00	10.65
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	12.16
81	M	isopropylbenzene	4.820	5.277	-9.5	105	0.00	10.59
82	S	bromofluorobenzene (s)	1.654	1.580	4.5	96	0.00	10.87
83	M	bromobenzene	1.283	1.302	-1.5	98	0.00	11.08
84	P	1,1,2,2-tetrachloroethane	1.180	1.110	5.9	93	0.00	10.78
85	M	1,2,3-trichloropropane	0.942	0.943	-0.1	97	0.00	10.94
86	M	n-propylbenzene	5.689	6.155	-8.2	103	0.00	11.03
87	M	2-chlorotoluene	4.011	4.246	-5.9	102	0.00	11.23
88	M	4-chlorotoluene	3.490	3.782	-8.4	105	0.00	11.28
89	M	1,3,5-trimethylbenzene	4.394	4.352	1.0	94	0.00	11.20
90	M	tert-butylbenzene	2.772	2.928	-5.6	102	0.00	11.60
91	M	1,2,4-trimethylbenzene	4.447	4.386	1.4	95	0.00	11.63
92	M	sec-butylbenzene	4.949	5.387	-8.9	104	0.00	11.83
93	M	1,3-dichlorobenzene	2.290	2.374	-3.7	103	0.00	12.08
94	M	p-isopropyltoluene	4.165	4.417	-6.1	101	0.00	11.98
95	M	1,4-dichlorobenzene	2.520	2.467	2.1	98	0.00	12.20
96	M	1,2-dichlorobenzene	2.201	2.304	-4.7	104	0.00	12.60
97	M	n-butylbenzene	4.108	4.155	-1.1	96	0.00	12.42
98	M	1,2-dibromo-3-chloropropa	0.179	0.177	1.1	99	0.00	13.46
99		1,3,5-trichlorobenzene	1.610	1.588	1.4	95	0.00	13.72
100	M	1,2,4-trichlorobenzene	1.378	1.414	-2.6	96	0.00	14.42
101	M	hexachlorobutadiene	0.702	0.728	-3.7	96	0.00	14.58
102	M	naphthalene	3.122	3.161	-1.2	96	0.00	14.71
		----------	Amount	Calc.	%Drift	----------		
103		2-Methylnaphthalene	25.000	23.867	4.5	88	0.00	15.89
104		1-Methylnaphthalene	25.000	23.554	5.8	95	0.00	16.16
		----------	AvgRF	CCRF	%Dev	----------		
105	M	1,2,3-trichlorobenzene	1.161	1.140	1.8	95	0.00	14.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
G128905.D g130628s.m Sat Jun 29 09:09:36 2013

Continuing Calibration Summary

Job Number: MC23456 **Sample:** MSG5089-CC5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130513.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\G130815\G130513.D Vial: 2
Acq On : 15 Aug 2013 8:42 am Operator: jaimem
Sample : cc5050-50 Inst : MSG
Misc : MS29655,MSG5089,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130628s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Jun 29 07:48:45 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	70	0.00	3.08
2	M	tertiary butyl alcohol	1.512	1.718	-13.6	80	-0.02	3.15
3	T	Ethanol	0.144	0.157	-9.0	74	-0.01	2.44
4	I	pentafluorobenzene	1.000	1.000	0.0	83	0.00	5.07
5	M	dichlorodifluoromethane	0.780	0.889	-14.0	92	0.00	1.65
6	P	chloromethane	0.680	0.624	8.2	70	0.00	1.82
7	c	vinyl chloride	0.197	0.199	-1.0	76	0.02	1.91
8	M	bromomethane	0.387	0.466	-20.4#	106	0.00	2.27
9	M	chloroethane	0.339	0.356	-5.0	85	0.00	2.34
10	M	ethyl ether	0.667	0.627	6.0	76	0.00	2.78
11	M	acetonitrile	1.307	1.172	10.3	71	0.00	3.42
12	M	trichlorofluoromethane	1.119	1.279	-14.3	88	0.03	2.61
13	M	freon-113	0.847	0.896	-5.8	82	0.00	2.93
14	M	acrolein	0.072	0.061	15.3	70	0.00	2.90
15	c	1,1-dichloroethene	0.839	0.822	2.0	80	0.00	3.09
		----------	Amount	Calc.	%Drift		----------	
16	M	acetone	50.000	45.837	8.3	75	0.00	2.96
		----------	AvgRF	CCRF	%Dev		----------	
17	M	Methyl Acetate	0.943	0.824	12.6	72	0.00	3.37
18	M	methylene chloride	0.995	0.913	8.2	80	0.00	3.53
19	M	methyl tert butyl ether	2.349	2.244	4.5	79	0.00	3.66
20	M	acrylonitrile	0.316	0.280	11.4	72	0.00	3.63
21	M	allyl chloride	1.316	1.172	10.9	71	0.00	3.42
22	M	trans-1,2-dichloroethene	0.857	0.857	0.0	82	0.00	3.80
23	M	iodomethane	1.420	1.452	-2.3	81	0.00	3.39
24	M	carbon disulfide	2.473	2.462	0.4	79	-0.01	3.59
25	M	propionitrile	0.115	0.101	12.2	71	0.00	4.72
		----------	Amount	Calc.	%Drift		----------	
26	M	vinyl acetate	50.000	58.160	-16.3	98	0.00	4.21
		----------	AvgRF	CCRF	%Dev		----------	
27	M	chloroprene	1.241	1.117	10.0	72	0.00	4.31
28	M	di-isopropyl ether	2.980	2.591	13.1	72	0.00	4.09
29	M	methacrylonitrile	0.627	0.518	17.4	67	0.00	4.93
30	M	2-butanone	0.108	0.105	2.8	77	0.00	4.64
31		Ethyl Acetate	0.307	0.148	51.8#	41#	0.00	4.81
32	M	Hexane	0.766	0.774	-1.0	82	0.00	3.85
33	P	1,1-dichloroethane	1.522	1.358	10.8	73	0.00	4.22

Continuing Calibration Summary

Job Number: MC23456 **Sample:** MSG5089-CC5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130513.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

34	M	tert-butyl ethyl ether	2.622	2.410	8.1	75	0.00	4.51
		----------	Amount	Calc.	%Drift	----------		
35	M	isobutyl alcohol	250.000	198.463	20.6#	64	-0.01	4.96
		----------	AvgRF	CCRF	%Dev	----------		
36	M	2,2-dichloropropane	0.688	0.803	-16.7	94	0.00	4.79
37	M	cis-1,2-dichloroethene	0.947	0.945	0.2	82	0.00	4.83
38	M	bromochloromethane	0.423	0.424	-0.2	81	0.00	5.18
39	c	chloroform	1.485	1.389	6.5	77	0.00	5.00
40	S	dibromofluoromethane (s)	0.784	0.810	-3.3	84	0.00	5.23
41	M	Tetrahydrofuran	0.223	0.182	18.4	65	0.00	5.22
42	M	1,1,1-trichloroethane	1.203	1.114	7.4	76	0.00	5.43
43	I	1,4-difluorobenzene	1.000	1.000	0.0	81	0.00	6.19
44	M	Cyclohexane	0.940	0.894	4.9	72	0.00	5.45
45	M	carbon tetrachloride	0.617	0.640	-3.7	79	0.00	5.71
46	M	1,1-dichloropropene	0.698	0.741	-6.2	81	0.00	5.59
47	M	benzene	2.172	2.132	1.8	80	0.00	5.89
48	M	1,2-dichloroethane	0.662	0.672	-1.5	80	0.00	5.87
49	M	tert-amyl methyl ether	1.430	1.400	2.1	75	0.00	5.72
50	M	heptane	1.112	1.069	3.9	75	0.00	5.74
51	M	trichloroethene	0.576	0.589	-2.3	82	0.00	6.56
52	c	1,2-dichloropropane	0.555	0.548	1.3	79	0.00	6.76
53	M	dibromomethane	0.310	0.304	1.9	77	0.00	7.08
54	M	bromodichloromethane	0.607	0.636	-4.8	82	0.00	7.02
55	M	Methylcyclohexane	0.870	0.907	-4.3	79	0.00	6.63
		----------	Amount	Calc.	%Drift	----------		
56	M	2-chloroethyl vinyl ether	50.000	35.046	29.9#	54	0.00	7.35
		----------	AvgRF	CCRF	%Dev	----------		
57	M	methyl methacrylate	0.334	0.311	6.9	73	0.00	6.82
58	M	1,4-dioxane	0.005	0.005	0.0	77	0.00	7.05
59	M	cis-1,3-dichloropropene	0.846	0.911	-7.7	84	0.00	7.61
60	S	toluene-d8 (s)	1.975	1.994	-1.0	81	0.00	7.88
61	M	4-methyl-2-pentanone	0.551	0.437	20.7#	62	0.00	7.38
62	c	toluene	1.311	1.375	-4.9	80	0.00	7.97
63	M	trans-1,3-dichloropropene	0.678	0.747	-10.2	85	0.00	8.16
64	M	1,1,2-trichloroethane	0.387	0.401	-3.6	81	0.00	8.34
65	M	ethyl methacrylate	0.633	0.591	6.6	72	0.00	8.15
66	I	chlorobenzene-d5	1.000	1.000	0.0	79	0.00	9.54
67	M	tetrachloroethene	1.048	1.106	-5.5	81	0.00	8.68
68	M	1,3-dichloropropane	1.485	1.590	-7.1	81	0.00	8.61
		----------	Amount	Calc.	%Drift	----------		
69	M	dibromochloromethane	50.000	53.432	-6.9	87	0.00	8.90
		----------	AvgRF	CCRF	%Dev	----------		
70	M	1,2-dibromoethane	0.890	0.974	-9.4	84	0.00	9.12
71	M	2-hexanone	0.699	0.636	9.0	66	0.00	8.34
72	P	chlorobenzene	2.788	3.330	-19.4	92	0.00	9.58
73	M	1,1,1,2-tetrachloroethane	0.910	1.058	-16.3	87	0.00	9.63
74	c	ethylbenzene	5.076	5.374	-5.9	81	0.00	9.64
75	M	m,p-xylene	1.859	2.123	-14.2	86	0.00	9.72
76	M	o-xylene	1.788	2.120	-18.6	90	0.00	10.20
77	M	styrene	3.179	3.379	-6.3	79	0.00	10.24
		----------	Amount	Calc.	%Drift	----------		

Continuing Calibration Summary

Job Number: MC23456 **Sample:** MSG5089-CC5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130513.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

78	P	bromoform	50.000	48.016	4.0	80	0.00	10.61
			AvgRF	CCRF	%Dev			
79	M	trans-1,4-dichloro-2-bute	0.299	0.313	-4.7	78	0.00	10.64
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	81	0.00	12.16
81	M	isopropylbenzene	4.820	5.762	-19.5	91	0.00	10.59
82	S	bromofluorobenzene (s)	1.654	1.646	0.5	80	0.00	10.87
83	M	bromobenzene	1.283	1.401	-9.2	84	0.00	11.08
84	P	1,1,2,2-tetrachloroethane	1.180	1.170	0.8	78	0.00	10.78
85	M	1,2,3-trichloropropane	0.942	0.926	1.7	76	0.00	10.94
86	M	n-propylbenzene	5.689	6.711	-18.0	90	0.00	11.03
87	M	2-chlorotoluene	4.011	4.655	-16.1	89	0.00	11.22
88	M	4-chlorotoluene	3.490	4.108	-17.7	91	0.00	11.28
89	M	1,3,5-trimethylbenzene	4.394	4.711	-7.2	82	0.00	11.20
90	M	tert-butylbenzene	2.772	3.146	-13.5	88	0.00	11.60
91	M	1,2,4-trimethylbenzene	4.447	4.808	-8.1	83	0.00	11.63
92	M	sec-butylbenzene	4.949	5.836	-17.9	90	0.00	11.83
93	M	1,3-dichlorobenzene	2.290	2.716	-18.6	94	0.00	12.08
94	M	p-isopropyltoluene	4.165	4.545	-9.1	83	0.00	11.98
95	M	1,4-dichlorobenzene	2.520	2.655	-5.4	84	0.00	12.20
96	M	1,2-dichlorobenzene	2.201	2.548	-15.8	92	0.00	12.60
97	M	n-butylbenzene	4.108	4.380	-6.6	81	0.00	12.42
98	M	1,2-dibromo-3-chloropropa	0.179	0.136	24.0#	61	0.00	13.46
99		1,3,5-trichlorobenzene	1.610	1.556	3.4	74	0.00	13.72
100	M	1,2,4-trichlorobenzene	1.378	1.190	13.6	65	0.00	14.42
101	M	hexachlorobutadiene	0.702	0.751	-7.0	80	0.00	14.57
102	M	naphthalene	3.122	2.069	33.7#	50	0.00	14.71
			Amount	Calc.	%Drift			
103		2-Methylnaphthalene	25.000	10.156	59.4#	10	0.00	15.89
104		1-Methylnaphthalene	25.000	6.665	73.3#	8	0.00	16.16
			AvgRF	CCRF	%Dev			
105	M	1,2,3-trichlorobenzene	1.161	0.667	42.5#	44#	0.00	14.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
G128905.D g130628s.m Thu Aug 15 09:23:52 2013

Continuing Calibration Summary

Job Number: MC23456 **Sample:** MSG5090-CC5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130562.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\G130816\G130562.D Vial: 3
Acq On : 16 Aug 2013 8:44 am Operator: jaimem
Sample : cc5050-50 Inst : MSG
Misc : MS29663,MSG5090,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130628s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Jun 29 07:48:45 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	67	0.00	3.08
2	M	tertiary butyl alcohol	1.512	1.657	-9.6	74	-0.01	3.16
3	T	Ethanol	0.144	0.142	1.4	64	-0.02	2.44
4	I	pentafluorobenzene	1.000	1.000	0.0	77	0.00	5.07
5	M	dichlorodifluoromethane	0.780	0.665	14.7	64	0.00	1.65
6	P	chloromethane	0.680	0.653	4.0	68	0.00	1.82
7	c	vinyl chloride	0.197	0.175	11.2	63	0.02	1.91
8	M	bromomethane	0.387	0.488	-26.1#	104	0.00	2.28
9	M	chloroethane	0.339	0.376	-10.9	84	0.00	2.34
10	M	ethyl ether	0.667	0.601	9.9	68	0.00	2.78
11	M	acetonitrile	1.307	1.178	9.9	67	0.00	3.42
12	M	trichlorofluoromethane	1.119	1.327	-18.6	85	0.03	2.61
13	M	freon-113	0.847	0.986	-16.4	84	0.00	2.93
14	M	acrolein	0.072	0.091	-26.4#	97	0.00	2.90
15	c	1,1-dichloroethene	0.839	0.901	-7.4	82	0.00	3.10
			Amount	Calc.	%Drift			
16	M	acetone	50.000	36.979	26.0#	57	0.00	2.96
			AvgRF	CCRF	%Dev			
17	M	Methyl Acetate	0.943	0.634	32.8#	51	0.00	3.38
18	M	methylene chloride	0.995	0.890	10.6	72	0.00	3.54
19	M	methyl tert butyl ether	2.349	2.134	9.2	70	0.00	3.66
20	M	acrylonitrile	0.316	0.274	13.3	66	0.00	3.63
21	M	allyl chloride	1.316	1.178	10.5	67	0.00	3.42
22	M	trans-1,2-dichloroethene	0.857	0.867	-1.2	77	0.00	3.80
23	M	iodomethane	1.420	1.479	-4.2	76	0.00	3.39
24	M	carbon disulfide	2.473	2.607	-5.4	78	0.00	3.60
25	M	propionitrile	0.115	0.098	14.8	64	0.00	4.72
			Amount	Calc.	%Drift			
26	M	vinyl acetate	50.000	46.065	7.9	68	0.00	4.21
			AvgRF	CCRF	%Dev			
27	M	chloroprene	1.241	1.260	-1.5	75	0.00	4.31
28	M	di-isopropyl ether	2.980	2.409	19.2	62	0.00	4.09
29	M	methacrylonitrile	0.627	0.511	18.5	62	0.00	4.93
30	M	2-butanone	0.108	0.088	18.5	60	0.00	4.64
31		Ethyl Acetate	0.307	0.527	-71.7#	135	0.00	4.81
32	M	Hexane	0.766	0.819	-6.9	81	0.00	3.85
33	P	1,1-dichloroethane	1.522	1.500	1.4	75	0.00	4.22

Continuing Calibration Summary

Job Number: MC23456 **Sample:** MSG5090-CC5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130562.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

34	M	tert-butyl ethyl ether	2.622	2.345	10.6	68	0.00	4.50
			Amount	Calc.	%Drift			
35	M	isobutyl alcohol	250.000	198.863	20.5#	60	-0.01	4.96
			AvgRF	CCRF	%Dev			
36	M	2,2-dichloropropane	0.688	0.864	-25.6#	95	0.00	4.79
37	M	cis-1,2-dichloroethene	0.947	0.926	2.2	75	0.00	4.83
38	M	bromochloromethane	0.423	0.438	-3.5	78	0.00	5.18
39	c	chloroform	1.485	1.511	-1.8	78	0.00	5.00
40	S	dibromofluoromethane (s)	0.784	0.807	-2.9	78	0.00	5.23
41	M	Tetrahydrofuran	0.223	0.170	23.8#	57	0.00	5.22
42	M	1,1,1-trichloroethane	1.203	1.264	-5.1	80	0.00	5.43
43	I	1,4-difluorobenzene	1.000	1.000	0.0	74	0.00	6.19
44	M	Cyclohexane	0.940	0.876	6.8	65	0.00	5.45
45	M	carbon tetrachloride	0.617	0.756	-22.5#	86	0.00	5.71
46	M	1,1-dichloropropene	0.698	0.768	-10.0	78	0.00	5.59
47	M	benzene	2.172	2.118	2.5	73	0.00	5.89
48	M	1,2-dichloroethane	0.662	0.669	-1.1	74	0.00	5.87
49	M	tert-amyl methyl ether	1.430	1.352	5.5	67	0.00	5.72
50	M	heptane	1.112	1.059	4.8	68	0.00	5.74
51	M	trichloroethene	0.576	0.583	-1.2	75	0.00	6.56
52	c	1,2-dichloropropane	0.555	0.523	5.8	70	0.00	6.76
53	M	dibromomethane	0.310	0.326	-5.2	76	0.00	7.08
54	M	bromodichloromethane	0.607	0.643	-5.9	77	0.00	7.02
55	M	Methylcyclohexane	0.870	0.947	-8.9	77	0.00	6.63
			Amount	Calc.	%Drift			
56	M	2-chloroethyl vinyl ether	50.000	20.251	59.5#	22	0.00	7.35
			AvgRF	CCRF	%Dev			
57	M	methyl methacrylate	0.334	0.300	10.2	65	0.00	6.82
58	M	1,4-dioxane	0.005	0.005	0.0	71	0.00	7.05
59	M	cis-1,3-dichloropropene	0.846	0.827	2.2	70	0.00	7.61
60	S	toluene-d8 (s)	1.975	1.977	-0.1	74	0.00	7.88
61	M	4-methyl-2-pentanone	0.551	0.396	28.1#	52	0.00	7.38
62	c	toluene	1.311	1.373	-4.7	74	0.00	7.96
63	M	trans-1,3-dichloropropene	0.678	0.745	-9.9	78	0.00	8.16
64	M	1,1,2-trichloroethane	0.387	0.379	2.1	71	0.00	8.34
65	M	ethyl methacrylate	0.633	0.573	9.5	64	0.00	8.15
66	I	chlorobenzene-d5	1.000	1.000	0.0	72	0.00	9.54
67	M	tetrachloroethene	1.048	1.265	-20.7#	84	0.00	8.68
68	M	1,3-dichloropropane	1.485	1.535	-3.4	71	0.00	8.61
			Amount	Calc.	%Drift			
69	M	dibromochloromethane	50.000	54.184	-8.4	81	0.00	8.90
			AvgRF	CCRF	%Dev			
70	M	1,2-dibromoethane	0.890	0.940	-5.6	74	0.00	9.12
71	M	2-hexanone	0.699	0.565	19.2	53	0.00	8.34
72	P	chlorobenzene	2.788	3.207	-15.0	81	0.00	9.58
73	M	1,1,1,2-tetrachloroethane	0.910	1.072	-17.8	80	0.00	9.63
74	c	ethylbenzene	5.076	5.488	-8.1	76	0.00	9.64
75	M	m,p-xylene	1.859	2.114	-13.7	78	0.00	9.72
76	M	o-xylene	1.788	2.026	-13.3	78	0.00	10.20
77	M	styrene	3.179	3.292	-3.6	70	0.00	10.24
			Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: MC23456 **Sample:** MSG5090-CC5050
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130562.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

78	P	bromoform	50.000	52.284	-4.6	80	0.00	10.61
		----------	AvgRF	CCRF	%Dev	----------		
79	M	trans-1,4-dichloro-2-bute	0.299	0.310	-3.7	71	0.00	10.64
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	74	0.00	12.16
81	M	isopropylbenzene	4.820	5.674	-17.7	83	0.00	10.59
82	S	bromofluorobenzene (s)	1.654	1.623	1.9	72	0.00	10.87
83	M	bromobenzene	1.283	1.396	-8.8	77	0.00	11.08
84	P	1,1,2,2-tetrachloroethane	1.180	1.151	2.5	71	0.00	10.78
85	M	1,2,3-trichloropropane	0.942	0.926	1.7	70	0.00	10.94
86	M	n-propylbenzene	5.689	6.568	-15.5	81	0.00	11.03
87	M	2-chlorotoluene	4.011	4.486	-11.8	79	0.00	11.22
88	M	4-chlorotoluene	3.490	4.101	-17.5	83	0.00	11.28
89	M	1,3,5-trimethylbenzene	4.394	4.701	-7.0	75	0.00	11.20
90	M	tert-butylbenzene	2.772	3.127	-12.8	80	0.00	11.60
91	M	1,2,4-trimethylbenzene	4.447	4.717	-6.1	75	0.00	11.63
92	M	sec-butylbenzene	4.949	5.737	-15.9	81	0.00	11.82
93	M	1,3-dichlorobenzene	2.290	2.586	-12.9	82	0.00	12.08
94	M	p-isopropyltoluene	4.165	4.774	-14.6	80	0.00	11.97
95	M	1,4-dichlorobenzene	2.520	2.633	-4.5	77	0.00	12.20
96	M	1,2-dichlorobenzene	2.201	2.410	-9.5	80	0.00	12.60
97	M	n-butylbenzene	4.108	4.344	-5.7	74	0.00	12.42
98	M	1,2-dibromo-3-chloropropa	0.179	0.142	20.7#	59	0.00	13.46
99		1,3,5-trichlorobenzene	1.610	1.622	-0.7	71	0.00	13.72
100	M	1,2,4-trichlorobenzene	1.378	1.157	16.0	58	0.00	14.42
101	M	hexachlorobutadiene	0.702	0.787	-12.1	76	0.00	14.57
102	M	naphthalene	3.122	2.006	35.7#	45#	0.00	14.71
		----------	Amount	Calc.	%Drift	----------		
103		2-Methylnaphthalene	25.000	12.354	50.6#	18	0.00	15.89
104		1-Methylnaphthalene	25.000	9.075	63.7#	16	0.00	16.16
		----------	AvgRF	CCRF	%Dev	----------		
105	M	1,2,3-trichlorobenzene	1.161	0.702	39.5#	43#	0.00	14.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
G128905.D g130628s.m Wed Aug 28 12:53:47 2013

Initial Calibration Summary

Job Number: MC23456 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report MSP

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Calibration Files
0.5 =p70800.D 400 =p70808.D 2 =p70801.D 5 =p70802.D
50 =p70805.D 20 =p70804.D 200 =p70807.D 100 =p70806.D
= =

Compound	0.5	400	2	5	50	20	200	100	Avg	%RSD
1) tert butyl alcohol-d9 ----------ISTD----------										
2) tertiary butyl alcohol	1.046	1.260	1.114	1.191	1.116	1.103	0.981		1.116	8.14
3) Ethanol	0.135	0.111	0.187	0.161	0.144	0.148	0.135		0.146	16.13
----- Linear regression ----- Coefficient = 0.9977										
Response Ratio = 0.10159 + 0.13602 *A										
4) I pentafluorobenzene ----------ISTD----------										
5) dichlorodifluoromethane	0.391	0.431	0.405	0.437	0.400	0.433	0.373		0.410	5.90
6) chloromethane	0.479	0.475	0.440	0.394	0.380	0.488	0.344		0.429	13.15
7) vinyl chloride	0.477	0.730	0.632	0.571	0.527	0.554	0.497		0.570	15.27
8) bromomethane	0.226	0.187	0.135	0.178	0.132	0.227	0.179		0.181	21.11
----- Linear regression ----- Coefficient = 0.9973										
Response Ratio = -0.03485 + 0.22981 *A										
9) chloroethane	0.215	0.270	0.255	0.227	0.220	0.231	0.201		0.231	10.35
10) ethyl ether	0.291	0.286	0.289	0.308	0.281	0.312	0.253		0.289	6.77
11) acetonitrile	0.050	0.364	0.345	0.209	0.211	0.087	0.138		0.201	60.10
12) trichlorofluoromethane	0.802	0.995	0.949	0.954	0.922	0.887	0.782		0.899	8.92
13) freon-113	0.424	0.449	0.469	0.419	0.406	0.407	0.353		0.418	8.83
14) acrolein	0.027	0.047	0.029	0.028	0.030	0.028	0.022		0.030	26.69
----- Linear regression ----- Coefficient = 0.9969										
Response Ratio = -0.00161 + 0.02672 *A										
15) 1,1-dichloroethene	0.303	0.400	0.318	0.331	0.316	0.320	0.278		0.324	11.69
16) acetone	0.048	0.141	0.076	0.063	0.072	0.054	0.048		0.072	45.37
----- Linear regression ----- Coefficient = 0.9962										
Response Ratio = 0.00798 + 0.04786 *A										
17) Methyl Acetate										

```
                0.513 0.545 0.517 0.470 0.467 0.466 0.365          0.478    12.16
18)  methylene chloride
                0.396 0.616 0.498 0.406 0.397 0.400 0.335          0.435    21.32
             ----- Linear regression -----  Coefficient =  0.9982
               Response Ratio = -0.01128 + 0.39637 *A

19)  methyl tert butyl ether
                0.911 0.858 0.662 0.842 0.801 0.917 0.686          0.811    12.56
20)  acrylonitrile
                0.122 0.147 0.149 0.126 0.126 0.128 0.102          0.129    12.36
21)  allyl chloride
                0.536 0.530 0.577 0.586 0.547 0.477 0.492          0.535     7.52
22)  trans-1,2-dichloroethene
                0.445 0.483 0.445 0.460 0.423 0.466 0.394          0.445     6.63
23)  iodomethane
                0.331 0.192 0.128 0.301 0.245 0.338 0.284          0.260    29.72
             ----- Linear regression -----  Coefficient =  0.9986
               Response Ratio = -0.03173 + 0.33518 *A

24)  carbon disulfide
                1.368 0.951 0.983 0.943 0.791 1.353 0.995          1.055    20.80
             ----- Linear regression -----  Coefficient =  0.9955
               Response Ratio = -0.26545 + 1.39018 *A

25)  propionitrile
                0.067 0.049 0.047 0.068 0.063 0.071 0.053          0.060    16.05
             ----- Linear regression -----  Coefficient =  0.9957
               Response Ratio = -0.00360 + 0.06753 *A

26)  vinyl acetate
                0.750 0.669 0.542 0.689 0.618 0.766 0.565          0.657    13.14
27)  chloroprene
                0.889 0.879 0.870 0.982 0.931 0.980 0.844          0.911     6.02
28)  di-isopropyl ether
                1.619 1.827 1.759 1.870 1.755 1.831 1.549          1.744     6.79
29)  methacrylonitrile
                0.311 0.298 0.239 0.333 0.281 0.341 0.269          0.296    12.19
30)  2-butanone
                0.066 0.036 0.046 0.069 0.053 0.075 0.060          0.058    23.84
             ----- Linear regression -----  Coefficient =  0.9949
               Response Ratio = -0.00115 + 0.06793 *A

31)  Hexane
                0.878 1.150 1.030 1.056 0.990 1.002 0.870          0.997     9.88
32)  1,1-dichloroethane
                0.854 0.972 0.902 0.931 0.894 0.934 0.791          0.897     6.65
33)  tert-butyl ethyl ether
                0.795 0.594 0.494 0.588 0.596 0.768 0.508          0.621    18.96
             ----- Linear regression -----  Coefficient =  0.9926
               Response Ratio = -0.16218 + 0.80351 *A

34)  isobutyl alcohol
                0.302 0.327 0.323 0.357 0.337 0.343 0.292          0.326     7.04
35)  2,2-dichloropropane
                0.763 0.206 0.236 0.507 0.458 0.768 0.517          0.493    45.27
             ----- Linear regression -----  Coefficient =  0.9939
               Response Ratio = -0.16899 + 0.77954 *A

36)  cis-1,2-dichloroethene
                0.499 0.553 0.481 0.521 0.484 0.537 0.448          0.503     7.22
```

Initial Calibration Summary

Job Number: MC23456 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

37) ethyl acetate
0.035 0.065 0.037 0.044 0.038 0.030 0.041 29.83
----- Linear regression ----- Coefficient = 0.9961
Response Ratio = 0.00153 + 0.03489 *A

38) bromochloromethane
0.166 0.200 0.169 0.199 0.181 0.189 0.160 0.181 8.83
39) chloroform
0.926 0.988 0.994 1.030 0.975 1.023 0.868 0.972 5.90
40) dibromofluoromethane (s)
0.503 0.456 0.463 0.518 0.475 0.490 0.618 0.503 10.98
41) Tetrahydrofuran
0.155 0.187 0.148 0.153 0.133 0.162 0.122 0.152 13.72
42) 1,1,1-trichloroethane
0.883 0.851 0.830 0.949 0.879 0.962 0.808 0.880 6.57

43) I 1,4-difluorobenzene ----------ISTD----------
44) Cyclohexane
0.671 0.742 0.712 0.743 0.714 0.723 0.623 0.704 6.10
45) carbon tetrachloride
0.530 0.476 0.470 0.572 0.517 0.580 0.490 0.519 8.55
46) 1,1-dichloropropene
0.544 0.589 0.566 0.601 0.573 0.587 0.497 0.565 6.28
47) benzene
2.795 1.378 1.739 1.629 1.505 1.463 1.498 1.274 1.660 28.91
----- Linear regression ----- Coefficient = 0.9976
Response Ratio = 0.03587 + 1.39089 *A

48) 1,2-dichloroethane
0.589 0.672 0.645 0.677 0.630 0.661 0.545 0.631 7.64
49) tert-amyl methyl ether
0.409 0.390 0.294 0.309 0.337 0.400 0.267 0.344 16.45
----- Linear regression ----- Coefficient = 0.9929
Response Ratio = -0.07439 + 0.41297 *A

50) heptane
0.611 0.734 0.658 0.699 0.671 0.688 0.580 0.663 7.94
51) trichloroethene
0.625 0.407 0.420 0.452 0.439 0.406 0.448 0.385 0.448 16.80
----- Linear regression ----- Coefficient = 0.9973
Response Ratio = 0.00945 + 0.41256 *A

52) 1,2-dichloropropane
0.376 0.444 0.382 0.403 0.389 0.413 0.343 0.393 8.10
53) dibromomethane
0.198 0.206 0.195 0.218 0.196 0.217 0.175 0.201 7.31
54) bromodichloromethane
0.563 0.457 0.461 0.570 0.488 0.617 0.501 0.522 11.71
55) Methylcyclohexane
0.645 0.682 0.643 0.692 0.649 0.696 0.589 0.656 5.72
56) 2-chloroethyl vinyl ether
0.007 0.012 0.009 0.009 0.008 0.007 0.009 19.09
----- Linear regression ----- Coefficient = 0.9957
Response Ratio = 0.00119 + 0.00710 *A

57) methyl methacrylate
0.235 0.208 0.157 0.235 0.207 0.250 0.195 0.212 14.76
58) 1,4-dioxane
0.003 0.002 0.003 0.003 0.004 0.003 0.003 19.80
----- Linear regression ----- Coefficient = 0.9961

Initial Calibration Summary

Job Number: MC23456 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
              Response Ratio = -0.00106 + 0.00341 *A

59)  cis-1,3-dichloropropene
                0.643 0.498 0.484 0.649 0.562 0.699 0.558         0.585   13.91
60)  toluene-d8 (s)
                1.335 1.372 1.286 1.423 1.302 1.318 1.659         1.385    9.34
61)  4-methyl-2-pentanone
                0.375 0.341 0.298 0.394 0.364 0.399 0.312         0.355   11.07
62)  toluene
                0.875 0.871 0.892 0.967 0.917 0.959 0.813         0.899    5.98
63)  trans-1,3-dichloropropene
                0.564 0.387 0.381 0.535 0.463 0.604 0.462         0.485   17.70
             ----- Linear regression -----  Coefficient =  0.9963
               Response Ratio = -0.04126 + 0.57374 *A

64)  1,1,2-trichloroethane
                0.264 0.255 0.250 0.294 0.260 0.296 0.241         0.266    7.96
65)  ethyl methacrylate
                0.433 0.313 0.327 0.446 0.398 0.471 0.371         0.394   15.30
             ----- Linear regression -----  Coefficient =  0.9963
               Response Ratio = -0.01348 + 0.43982 *A


66) I   chlorobenzene-d5      ----------------ISTD--------------------
67)  tetrachloroethene
           0.859 0.613 0.678 0.647 0.640 0.626 0.646 0.556         0.658   13.44
68)  1,3-dichloropropane
                0.907 0.959 0.902 0.963 0.906 0.959 0.808         0.915    5.96
69)  dibromochloromethane
                0.646 0.401 0.399 0.584 0.478 0.658 0.522         0.527   20.38
             ----- Linear regression -----  Coefficient =  0.9977
               Response Ratio = -0.06998 + 0.65405 *A

70)  1,2-dibromoethane
                0.572 0.518 0.499 0.559 0.513 0.594 0.475         0.533    8.02
71)  2-hexanone
                0.495 0.546 0.392 0.469 0.449 0.501 0.406         0.465   11.75
72)  chlorobenzene
                1.669 1.756 1.700 1.680 1.642 1.748 1.479         1.668    5.57
73)  1,1,1,2-tetrachloroethane
                0.599 0.528 0.504 0.598 0.546 0.625 0.519         0.560    8.39
74)  ethylbenzene
                2.918 3.368 3.153 3.188 3.095 3.293 2.829         3.121    6.18
75)  m,p-xylene
                1.113 1.210 1.150 1.193 1.161 1.193 1.036         1.151    5.24
76)  o-xylene
                1.126 1.131 1.159 1.194 1.145 1.201 1.038         1.142    4.76
77)  styrene
                1.815 1.531 1.567 1.833 1.646 1.905 1.640         1.705    8.48
78)  bromoform
                0.429 0.221 0.208 0.328 0.252 0.418 0.302         0.308   28.94
             ----- Linear regression -----  Coefficient =  0.9953
               Response Ratio = -0.08394 + 0.43445 *A

79)  trans-1,4-dichloro-2-butene
                0.177 0.060 0.066 0.122 0.103 0.166 0.112         0.115   38.81
             ----- Linear regression -----  Coefficient =  0.9929
               Response Ratio = -0.04339 + 0.17889 *A
```

Initial Calibration Summary

Job Number: MC23456 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
 80) I   1,4-dichlorobenzene-d ----------------ISTD--------------------
 81)  isopropylbenzene
                3.505 4.796 4.255 4.520 4.293 4.089 3.731         4.170   10.62
 82)  bromofluorobenzene (s)
                1.159 1.459 1.195 1.256 1.142 1.084 1.494         1.256   12.75
 83)  bromobenzene
                0.855 0.918 0.883 0.949 0.879 0.901 0.792         0.883    5.68
 84)  1,1,2,2-tetrachloroethane
                0.840 0.933 0.813 0.957 0.868 0.879 0.752         0.863    8.10
 85)  1,2,3-trichloropropane
                0.973 0.915 0.778 0.983 0.875 0.980 0.792         0.899    9.73
 86)  n-propylbenzene
                3.717 5.304 4.836 5.152 4.847 4.769 4.311         4.705   11.42
 87)  2-chlorotoluene
                2.809 3.269 3.128 3.187 3.015 2.974 2.655         3.005    7.18
 88)  4-chlorotoluene
                2.834 3.298 3.007 3.237 2.968 3.038 2.688         3.010    7.07
 89)  1,3,5-trimethylbenzene
                3.150 3.713 3.574 3.739 3.499 3.517 3.148         3.477    6.96
 90)  tert-butylbenzene
                2.096 2.618 2.377 2.424 2.303 2.245 2.032         2.299    8.67
 91)  1,2,4-trimethylbenzene
                3.124 3.462 3.377 3.621 3.360 3.461 3.072         3.354    5.80
 92)  sec-butylbenzene
                3.663 4.579 4.487 4.798 4.461 4.520 4.043         4.364    8.76
 93)  1,3-dichlorobenzene
                1.627 1.685 1.650 1.769 1.624 1.731 1.503         1.656    5.21
 94)  p-isopropyltoluene
                2.896 3.203 3.065 3.346 3.147 3.174 2.841         3.096    5.73
 95)  1,4-dichlorobenzene
                1.473 1.728 1.657 1.677 1.588 1.603 1.435         1.595    6.72
 96)  1,2-dichlorobenzene
                1.554 1.589 1.497 1.645 1.510 1.659 1.425         1.554    5.40
 97)  n-butylbenzene
                3.141 2.707 2.837 3.548 3.232 3.582 3.113         3.166   10.36
 98)  1,2-dibromo-3-chloropropane
                0.204 0.154 0.120 0.176 0.143 0.207 0.159         0.166   19.14
              ----- Linear regression -----  Coefficient =  0.9971
                Response Ratio = -0.02636 + 0.20674 *A

 99)  1,3,5-trichlorobenzene
                1.189 1.069 1.088 1.244 1.129 1.279 1.119         1.160    6.88
100)  1,2,4-trichlorobenzene
                1.151 0.597 0.714 1.123 0.950 1.223 1.041         0.971   24.16
              ----- Linear regression -----  Coefficient =  0.9982
                Response Ratio = -0.05384 + 1.16841 *A

101)  hexachlorobutadiene
                0.842 0.903 0.835 0.835 0.774 0.911 0.785         0.841    6.22
102)  naphthalene
                2.262 0.950 0.791 1.769 1.226 2.319 1.799         1.588   38.46
              ----- Linear regression -----  Coefficient =  0.9972
                Response Ratio = -0.36278 + 2.30919 *A

103)  1,2,3-trichlorobenzene
                1.057 0.530 0.566 0.974 0.792 1.115 0.937         0.853   27.19
              ----- Linear regression -----  Coefficient =  0.9982
                Response Ratio = -0.07848 + 1.07527 *A

104)  2-Methylnaphthalene
```

Initial Calibration Summary

Job Number: MC23456 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
                  0.683 0.601 0.557 0.561 0.552 0.561 0.483         0.571   10.63
105)  1-Methylnaphthalene
                        0.601 0.549 0.495 0.502 0.538 0.422         0.518   11.65
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           P130805S.M        Tue Aug 06 12:43:18 2013
```

Initial Calibration Verification

Job Number: MC23456 **Sample:** MSP2318-ICV2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70811.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\P130805\p70811.D Vial: 17
Acq On : 5 Aug 2013 7:10 pm Operator: krystend
Sample : ICV2318-50 Inst : MSP
Misc : ms29498,msp2318,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 06 12:41:53 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		tert butyl alcohol-d9	1.000	1.000	0.0	107	0.00	6.08
2		tertiary butyl alcohol	1.116	1.232	-10.4	111	0.00	6.16
			True	Calc.	% Drift			
3	T	Ethanol	5000.000	5125.722	-2.5	100	0.00	4.98
			AvgRF	CCRF	% Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	113	0.00	8.45
5	M	dichlorodifluoromethane	0.410	0.447	-9.0	116	0.00	4.15
6	P	chloromethane	0.429	0.538	-25.4#	155	0.00	4.10
7	c	vinyl chloride	0.570	0.469	17.7	93	0.00	4.33
			True	Calc.	% Drift			
8	M	bromomethane	50.000	55.674	-11.3	140	0.00	4.80
			AvgRF	CCRF	% Dev			
9	M	chloroethane	0.231	0.258	-11.7	129	0.00	4.95
10	M	ethyl ether	0.289	0.310	-7.3	114	0.00	5.81
11	M	acetonitrile	0.201	0.203	-1.0	110	0.00	5.47
12	M	trichlorofluoromethane	0.899	0.881	2.0	105	0.00	5.57
13	M	freon-113	0.418	0.447	-6.9	121	0.00	6.31
			True	Calc.	% Drift			
14	M	acrolein	250.000	465.528	-86.2#	201	0.00	5.57
			AvgRF	CCRF	% Dev			
15	c	1,1-dichloroethene	0.324	0.369	-13.9	126	0.00	6.13
			True	Calc.	% Drift			
16	M	acetone	50.000	40.569	18.9	84	0.00	5.69
			AvgRF	CCRF	% Dev			
17	M	Methyl Acetate	0.478	0.373	22.0#	90	0.00	6.32
			True	Calc.	% Drift			
18	M	methylene chloride	50.000	54.832	-9.7	118	0.00	6.28
			AvgRF	CCRF	% Dev			
19	M	methyl tert butyl ether	0.811	0.886	-9.2	119	0.00	7.05
20	M	acrylonitrile	0.129	0.125	3.1	113	0.00	6.19
21	M	allyl chloride	0.535	0.750	-40.2#	145	0.00	6.37

Initial Calibration Verification

Job Number: MC23456 **Sample:** MSP2318-ICV2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70811.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

22	M	trans-1,2-dichloroethene	0.445	0.499	-12.1	123	0.00	6.95
			True	Calc.	% Drift			
23	M	iodomethane	50.000	47.831	4.3	109	0.00	6.18
24	M	carbon disulfide	50.000	59.935	-19.9	168	0.00	6.54
25	M	propionitrile	50.000	50.093	-0.2	107	0.00	7.23
			AvgRF	CCRF	% Dev			
26	M	vinyl acetate	0.657	0.541	17.7	89	0.00	7.31
27	M	chloroprene	0.911	1.094	-20.1#	126	0.00	7.56
28	M	di-isopropyl ether	1.744	1.857	-6.5	112	0.00	7.61
29	M	methacrylonitrile	0.296	0.305	-3.0	104	0.00	7.72
			True	Calc.	% Drift			
30	M	2-butanone	50.000	48.893	2.2	107	0.00	7.62
			AvgRF	CCRF	% Dev			
31	M	Hexane	0.997	1.054	-5.7	113	0.00	7.58
32	P	1,1-dichloroethane	0.897	1.068	-19.1	130	0.00	7.20
			True	Calc.	% Drift			
33	M	tert-butyl ethyl ether	50.000	50.579	-1.2	125	0.00	8.00
			AvgRF	CCRF	% Dev			
34	M	isobutyl alcohol	0.326	0.346	-6.1	110	0.00	7.61
			True	Calc.	% Drift			
35	M	2,2-dichloropropane	50.000	49.010	2.0	133	0.00	8.05
			AvgRF	CCRF	% Dev			
36	M	cis-1,2-dichloroethene	0.503	0.543	-8.0	118	0.00	7.76
			True	Calc.	% Drift			
37		ethyl acetate	50.000	53.835	-7.7	121	0.00	8.29
			AvgRF	CCRF	% Dev			
38	M	bromochloromethane	0.181	0.224	-23.8#	128	0.00	7.93
39	c	chloroform	0.972	1.120	-15.2	123	0.00	7.96
40	S	dibromofluoromethane (s)	0.503	0.497	1.2	109	0.00	8.09
41	M	Tetrahydrofuran	0.152	0.153	-0.7	113	0.00	8.29
42	M	1,1,1-trichloroethane	0.880	1.030	-17.0	123	0.00	8.71
43	I	1,4-difluorobenzene	1.000	1.000	0.0	112	0.00	9.30
44	M	Cyclohexane	0.704	0.740	-5.1	112	0.00	8.98
45	M	carbon tetrachloride	0.519	0.624	-20.2#	122	0.00	9.06
46	M	1,1-dichloropropene	0.565	0.621	-9.9	116	0.00	8.88
			True	Calc.	% Drift			
47	M	benzene	50.000	56.322	-12.6	119	0.00	9.10
			AvgRF	CCRF	% Dev			
48	M	1,2-dichloroethane	0.631	0.655	-3.8	108	0.00	8.61
			True	Calc.	% Drift			
49	M	tert-amyl methyl ether	50.000	51.998	-4.0	129	0.00	9.23
			AvgRF	CCRF	% Dev			
50	M	heptane	0.663	0.703	-6.0	113	0.00	9.58
			True	Calc.	% Drift			

Initial Calibration Verification

Job Number: MC23456 **Sample:** MSP2318-ICV2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70811.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

51	M	trichloroethene	50.000	55.114	-10.2	118	0.00	9.72
			AvgRF	CCRF	% Dev			
52	c	1,2-dichloropropane	0.393	0.424	-7.9	118	0.00	9.68
53	M	dibromomethane	0.201	0.238	-18.4	122	0.00	9.66
54	M	bromodichloromethane	0.522	0.598	-14.6	117	0.00	9.77
55	M	Methylcyclohexane	0.656	0.739	-12.7	120	0.00	10.23
			True	Calc.	% Drift			
56	M	2-chloroethyl vinyl ether	50.000	54.488	-9.0	109	0.00	10.22
			AvgRF	CCRF	% Dev			
57	M	methyl methacrylate	0.212	0.242	-14.2	116	0.00	9.88
			True	Calc.	% Drift			
58	M	1,4-dioxane	250.000	246.274	1.5	103	0.00	9.88
			AvgRF	CCRF	% Dev			
59	M	cis-1,3-dichloropropene	0.585	0.635	-8.5	110	0.00	10.39
60	S	toluene-d8 (s)	1.385	1.379	0.4	108	0.00	11.09
61	M	4-methyl-2-pentanone	0.355	0.392	-10.4	111	0.00	10.50
62	c	toluene	0.899	1.020	-13.5	118	0.00	11.16
			True	Calc.	% Drift			
63	M	trans-1,3-dichloropropene	50.000	51.411	-2.8	115	0.00	10.81
			AvgRF	CCRF	% Dev			
64	M	1,1,2-trichloroethane	0.266	0.284	-6.8	108	0.00	10.98
			True	Calc.	% Drift			
65	M	ethyl methacrylate	50.000	52.644	-5.3	113	0.00	11.20
			AvgRF	CCRF	% Dev			
66	I	chlorobenzene-d5	1.000	1.000	0.0	110	0.00	12.55
67	M	tetrachloroethene	0.658	0.729	-10.8	125	0.00	11.90
68	M	1,3-dichloropropane	0.915	0.974	-6.4	111	0.00	11.22
			True	Calc.	% Drift			
69	M	dibromochloromethane	50.000	51.755	-3.5	114	0.00	11.50
			AvgRF	CCRF	% Dev			
70	M	1,2-dibromoethane	0.533	0.574	-7.7	113	0.00	11.75
71	M	2-hexanone	0.465	0.456	1.9	107	0.00	11.36
72	P	chlorobenzene	1.668	1.702	-2.0	111	0.00	12.58
73	M	1,1,1,2-tetrachloroethane	0.560	0.614	-9.6	113	0.00	12.50
74	c	ethylbenzene	3.121	3.316	-6.2	114	0.00	12.75
75	M	m,p-xylene	1.151	1.219	-5.9	112	0.00	12.94
76	M	o-xylene	1.142	1.185	-3.8	109	0.00	13.35
77	M	styrene	1.705	1.857	-8.9	111	0.00	13.28
			True	Calc.	% Drift			
78	P	bromoform	50.000	51.256	-2.5	121	0.00	13.10
79	M	trans-1,4-dichloro-2-bute	50.000	46.766	6.5	111	0.00	13.51
			AvgRF	CCRF	% Dev			
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	109	0.00	15.10
81	M	isopropylbenzene	4.170	4.500	-7.9	109	0.00	13.72
82	S	bromofluorobenzene (s)	1.256	1.180	6.1	103	0.00	13.77

Initial Calibration Verification

Job Number: MC23456 **Sample:** MSP2318-ICV2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70811.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

83	M	bromobenzene	0.883	0.973	-10.2	112	0.00	13.99
84	P	1,1,2,2-tetrachloroethane	0.863	0.966	-11.9	110	0.00	13.36
85	M	1,2,3-trichloropropane	0.899	0.985	-9.6	109	0.00	13.51
86	M	n-propylbenzene	4.705	4.969	-5.6	105	0.00	14.16
87	M	2-chlorotoluene	3.005	3.034	-1.0	104	0.00	14.28
88	M	4-chlorotoluene	3.010	3.155	-4.8	107	0.00	14.35
89	M	1,3,5-trimethylbenzene	3.477	3.670	-5.6	107	0.00	14.44
90	M	tert-butylbenzene	2.299	2.352	-2.3	106	0.00	14.74
91	M	1,2,4-trimethylbenzene	3.354	3.553	-5.9	107	0.00	14.85
92	M	sec-butylbenzene	4.364	4.710	-7.9	107	0.00	14.97
93	M	1,3-dichlorobenzene	1.656	1.680	-1.4	104	0.00	15.06
94	M	p-isopropyltoluene	3.096	3.533	-14.1	115	0.00	15.15
95	M	1,4-dichlorobenzene	1.595	1.710	-7.2	111	0.00	15.13
96	M	1,2-dichlorobenzene	1.554	1.595	-2.6	106	0.00	15.50
97	M	n-butylbenzene	3.166	3.519	-11.1	108	0.00	15.56
			True	Calc.	% Drift			
98	M	1,2-dibromo-3-chloropropa	50.000	48.186	3.6	108	0.00	15.98
			AvgRF	CCRF	% Dev			
99		1,3,5-trichlorobenzene	1.160	1.314	-13.3	115	0.00	16.80
			True	Calc.	% Drift			
100	M	1,2,4-trichlorobenzene	50.000	50.339	-0.7	109	0.00	17.33
			AvgRF	CCRF	% Dev			
101	M	hexachlorobutadiene	0.841	0.884	-5.1	116	0.00	17.62
			True	Calc.	% Drift			
102	M	naphthalene	50.000	50.392	-0.8	121	0.00	17.59
103	M	1,2,3-trichlorobenzene	50.000	50.505	-1.0	113	0.00	17.79
			AvgRF	CCRF	% Dev			
104	M	2-Methylnaphthalene	0.571	0.665	-16.5	130	0.00	18.89
105	M	1-Methylnaphthalene	0.518	0.111	78.6#	24#	0.00	19.12

(7.9 %) 8 of 101 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p70805.D P130805S.M Tue Aug 06 12:43:08 2013

Continuing Calibration Summary

Job Number: MC23456 **Sample:** MSP2328-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71078.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\P130816\p71078.D Vial: 6
Acq On : 16 Aug 2013 11:08 am Operator: krystend
Sample : cc2318-50 Inst : MSP
Misc : ms29669,msp2328,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 06 12:41:53 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		tert butyl alcohol-d9	1.000	1.000	0.0	178	0.00	6.07
2		tertiary butyl alcohol	1.116	1.063	4.7	159	0.00	6.16
			True	Calc.	% Drift			
3	T	Ethanol	5000.000	2825.669	43.5#	96	0.00	4.99
			AvgRF	CCRF	% Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	104	0.00	8.45
5	M	dichlorodifluoromethane	0.410	0.504	-22.9#	120	0.00	4.15
6	P	chloromethane	0.429	0.365	14.9	96	0.00	4.10
7	c	vinyl chloride	0.570	0.619	-8.6	113	0.00	4.33
			True	Calc.	% Drift			
8	M	bromomethane	50.000	61.678	-23.4#	145	0.00	4.80
			AvgRF	CCRF	% Dev			
9	M	chloroethane	0.231	0.249	-7.8	114	0.00	4.95
10	M	ethyl ether	0.289	0.316	-9.3	107	0.00	5.81
11	M	acetonitrile	0.201	0.201	0.0	100	0.00	5.47
12	M	trichlorofluoromethane	0.899	1.193	-32.7#	130	0.00	5.57
13	M	freon-113	0.418	0.494	-18.2	123	0.00	6.31
			True	Calc.	% Drift			
14	M	acrolein	250.000	220.255	11.9	87	0.00	5.57
			AvgRF	CCRF	% Dev			
15	c	1,1-dichloroethene	0.324	0.385	-18.8	121	0.00	6.13
			True	Calc.	% Drift			
16	M	acetone	50.000	36.594	26.8#	71	0.00	5.70
			AvgRF	CCRF	% Dev			
17	M	Methyl Acetate	0.478	0.415	13.2	92	0.00	6.32
			True	Calc.	% Drift			
18	M	methylene chloride	50.000	63.383	-26.8#	126	0.00	6.28
			AvgRF	CCRF	% Dev			
19	M	methyl tert butyl ether	0.811	1.202	-48.2#	149	0.00	7.05
20	M	acrylonitrile	0.129	0.124	3.9	103	0.00	6.20
21	M	allyl chloride	0.535	0.552	-3.2	98	0.00	6.37

Continuing Calibration Summary

Job Number: MC23456 **Sample:** MSP2328-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71078.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

22	M	trans-1,2-dichloroethene	0.445	0.446	-0.2	101	0.00	6.95
			True	Calc.	% Drift			
23	M	iodomethane	50.000	60.842	-21.7#	130	0.00	6.19
24	M	carbon disulfide	50.000	57.004	-14.0	146	0.00	6.54
25	M	propionitrile	50.000	37.491	25.0#	72	0.00	7.23
			AvgRF	CCRF	% Dev			
26	M	vinyl acetate	0.657	0.474	27.9#	72	0.00	7.31
27	M	chloroprene	0.911	0.854	6.3	91	0.00	7.56
28	M	di-isopropyl ether	1.744	1.208	30.7#	67	0.00	7.61
29	M	methacrylonitrile	0.296	0.252	14.9	79	0.00	7.73
			True	Calc.	% Drift			
30	M	2-butanone	50.000	51.596	-3.2	104	0.00	7.62
			AvgRF	CCRF	% Dev			
31	M	Hexane	0.997	0.827	17.1	82	0.00	7.58
32	P	1,1-dichloroethane	0.897	0.857	4.5	96	0.00	7.20
			True	Calc.	% Drift			
33	M	tert-butyl ethyl ether	50.000	52.534	-5.1	121	0.00	8.00
			AvgRF	CCRF	% Dev			
34	M	isobutyl alcohol	0.326	0.249	23.6#	73	0.00	7.61
			True	Calc.	% Drift			
35	M	2,2-dichloropropane	50.000	50.863	-1.7	128	0.00	8.05
			AvgRF	CCRF	% Dev			
36	M	cis-1,2-dichloroethene	0.503	0.479	4.8	96	0.00	7.76
			True	Calc.	% Drift			
37		ethyl acetate	50.000	39.740	20.5#	83	0.00	8.29
			AvgRF	CCRF	% Dev			
38	M	bromochloromethane	0.181	0.157	13.3	82	0.00	7.92
39	c	chloroform	0.972	1.109	-14.1	112	0.00	7.96
40	S	dibromofluoromethane (s)	0.503	0.483	4.0	97	0.00	8.09
41	M	Tetrahydrofuran	0.152	0.102	32.9#	70	0.00	8.29
42	M	1,1,1-trichloroethane	0.880	1.103	-25.3#	121	0.00	8.70
43	I	1,4-difluorobenzene	1.000	1.000	0.0	98	0.00	9.30
44	M	Cyclohexane	0.704	0.513	27.1#	68	0.00	8.98
45	M	carbon tetrachloride	0.519	0.694	-33.7#	119	0.00	9.06
46	M	1,1-dichloropropene	0.565	0.632	-11.9	103	0.00	8.88
			True	Calc.	% Drift			
47	M	benzene	50.000	52.911	-5.8	98	0.00	9.10
			AvgRF	CCRF	% Dev			
48	M	1,2-dichloroethane	0.631	0.772	-22.3#	112	0.00	8.61
			True	Calc.	% Drift			
49	M	tert-amyl methyl ether	50.000	71.253	-42.5#	163	0.00	9.23
			AvgRF	CCRF	% Dev			
50	M	heptane	0.663	0.445	32.9#	62	0.00	9.58
			True	Calc.	% Drift			

Continuing Calibration Summary

Job Number: MC23456 **Sample:** MSP2328-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71078.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

51	M	trichloroethene	50.000	52.031	-4.1	98	0.00	9.72
			AvgRF	CCRF	% Dev			
52	c	1,2-dichloropropane	0.393	0.361	8.1	88	0.00	9.68
53	M	dibromomethane	0.201	0.245	-21.9#	110	0.00	9.66
54	M	bromodichloromethane	0.522	0.682	-30.7#	117	0.00	9.77
55	M	Methylcyclohexane	0.656	0.656	0.0	93	0.00	10.23
			True	Calc.	% Drift			
56	M	2-chloroethyl vinyl ether	50.000	71.244	-42.5#	120	0.00	10.22
			AvgRF	CCRF	% Dev			
57	M	methyl methacrylate	0.212	0.262	-23.6#	109	0.00	9.88
			True	Calc.	% Drift			
58	M	1,4-dioxane	250.000	322.464	-29.0#	120	0.00	9.88
			AvgRF	CCRF	% Dev			
59	M	cis-1,3-dichloropropene	0.585	0.690	-17.9	104	0.00	10.39
60	S	toluene-d8 (s)	1.385	1.354	2.2	93	0.00	11.09
61	M	4-methyl-2-pentanone	0.355	0.339	4.5	84	0.00	10.50
62	c	toluene	0.899	0.940	-4.6	95	0.00	11.16
			True	Calc.	% Drift			
63	M	trans-1,3-dichloropropene	50.000	57.024	-14.0	112	0.00	10.81
			AvgRF	CCRF	% Dev			
64	M	1,1,2-trichloroethane	0.266	0.293	-10.2	98	0.00	10.98
			True	Calc.	% Drift			
65	M	ethyl methacrylate	50.000	58.251	-16.5	109	0.00	11.20
			AvgRF	CCRF	% Dev			
66	I	chlorobenzene-d5	1.000	1.000	0.0	110	0.00	12.55
67	M	tetrachloroethene	0.658	0.515	21.7#	89	0.00	11.90
68	M	1,3-dichloropropane	0.915	0.896	2.1	103	0.00	11.22
			True	Calc.	% Drift			
69	M	dibromochloromethane	50.000	45.677	8.6	100	0.00	11.49
			AvgRF	CCRF	% Dev			
70	M	1,2-dibromoethane	0.533	0.457	14.3	90	0.00	11.75
71	M	2-hexanone	0.465	0.330	29.0#	78	0.00	11.36
72	P	chlorobenzene	1.668	1.324	20.6#	87	0.00	12.58
73	M	1,1,1,2-tetrachloroethane	0.560	0.504	10.0	93	0.00	12.50
74	c	ethylbenzene	3.121	2.753	11.8	95	0.00	12.75
75	M	m,p-xylene	1.151	0.900	21.8#	83	0.00	12.94
76	M	o-xylene	1.142	0.912	20.1#	84	0.00	13.35
77	M	styrene	1.705	1.295	24.0#	78	0.00	13.28
			True	Calc.	% Drift			
78	P	bromoform	50.000	49.078	1.8	115	0.00	13.10
79	M	trans-1,4-dichloro-2-bute	50.000	52.932	-5.9	132	0.00	13.51
			AvgRF	CCRF	% Dev			
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	93	0.00	15.10
81	M	isopropylbenzene	4.170	4.321	-3.6	89	0.00	13.72
82	S	bromofluorobenzene (s)	1.256	1.286	-2.4	95	0.00	13.77

Continuing Calibration Summary

Job Number: MC23456 **Sample:** MSP2328-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71078.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

83	M	bromobenzene	0.883	0.815	7.7	80	0.00	13.99
84	P	1,1,2,2-tetrachloroethane	0.863	1.035	-19.9	100	0.00	13.36
85	M	1,2,3-trichloropropane	0.899	1.257	-39.8#	119	0.00	13.51
86	M	n-propylbenzene	4.705	5.083	-8.0	92	0.00	14.16
87	M	2-chlorotoluene	3.005	3.253	-8.3	95	0.00	14.28
88	M	4-chlorotoluene	3.010	3.298	-9.6	95	0.00	14.35
89	M	1,3,5-trimethylbenzene	3.477	3.687	-6.0	92	0.00	14.44
90	M	tert-butylbenzene	2.299	2.736	-19.0	105	0.00	14.74
91	M	1,2,4-trimethylbenzene	3.354	3.586	-6.9	92	0.00	14.85
92	M	sec-butylbenzene	4.364	4.475	-2.5	87	0.00	14.96
93	M	1,3-dichlorobenzene	1.656	1.525	7.9	80	0.00	15.06
94	M	p-isopropyltoluene	3.096	3.040	1.8	84	0.00	15.14
95	M	1,4-dichlorobenzene	1.595	1.511	5.3	84	0.00	15.13
96	M	1,2-dichlorobenzene	1.554	1.456	6.3	82	0.00	15.50
97	M	n-butylbenzene	3.166	3.687	-16.5	96	0.00	15.56
		----------	True	Calc.	% Drift	----------		
98	M	1,2-dibromo-3-chloropropa	50.000	78.357	-56.7#	157	0.00	15.98
		----------	AvgRF	CCRF	% Dev	----------		
99		1,3,5-trichlorobenzene	1.160	1.170	-0.9	87	0.00	16.80
		----------	True	Calc.	% Drift	----------		
100	M	1,2,4-trichlorobenzene	50.000	48.207	3.6	89	0.00	17.33
		----------	AvgRF	CCRF	% Dev	----------		
101	M	hexachlorobutadiene	0.841	1.022	-21.5#	113	0.00	17.61
		----------	True	Calc.	% Drift	----------		
102	M	naphthalene	50.000	45.598	8.8	91	0.00	17.58
103	M	1,2,3-trichlorobenzene	50.000	51.202	-2.4	97	0.00	17.79
		----------	AvgRF	CCRF	% Dev	----------		
104	M	2-Methylnaphthalene	0.571	0.517	9.5	85	0.00	18.89
105	M	1-Methylnaphthalene	0.518	0.469	9.5	88	0.00	19.12

(33.7 %) 34 of 101 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p70805.D P130805S.M Fri Aug 16 17:08:36 2013

Continuing Calibration Summary

Job Number: MC23456 **Sample:** MSP2330-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71141.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\P130820\p71141.D Vial: 2
Acq On : 20 Aug 2013 9:28 am Operator: krystend
Sample : cc2318-50 Inst : MSP
Misc : ms29696,msp2330,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 06 12:41:53 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		tert butyl alcohol-d9	1.000	1.000	0.0	141	0.00	6.07
2		tertiary butyl alcohol	1.116	1.168	-4.7	138	0.00	6.16
			True	Calc.	% Drift			
3	T	Ethanol	5000.000	3274.134	34.5#	87	0.00	4.99
			AvgRF	CCRF	% Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	89	0.00	8.45
5	M	dichlorodifluoromethane	0.410	0.444	-8.3	91	0.00	4.15
6	P	chloromethane	0.429	0.344	19.8	78	0.00	4.10
7	c	vinyl chloride	0.570	0.588	-3.2	92	0.00	4.33
			True	Calc.	% Drift			
8	M	bromomethane	50.000	54.726	-9.5	108	0.00	4.80
			AvgRF	CCRF	% Dev			
9	M	chloroethane	0.231	0.216	6.5	85	0.00	4.95
10	M	ethyl ether	0.289	0.272	5.9	79	0.00	5.81
11	M	acetonitrile	0.201	0.227	-12.9	97	0.00	5.47
12	M	trichlorofluoromethane	0.899	1.194	-32.8#	112	0.00	5.57
13	M	freon-113	0.418	0.457	-9.3	97	0.00	6.31
			True	Calc.	% Drift			
14	M	acrolein	250.000	212.556	15.0	72	0.00	5.57
			AvgRF	CCRF	% Dev			
15	c	1,1-dichloroethene	0.324	0.321	0.9	86	0.00	6.13
			True	Calc.	% Drift			
16	M	acetone	50.000	33.631	32.7#	57	0.00	5.70
			AvgRF	CCRF	% Dev			
17	M	Methyl Acetate	0.478	0.499	-4.4	95	0.00	6.32
			True	Calc.	% Drift			
18	M	methylene chloride	50.000	53.790	-7.6	91	0.00	6.27
			AvgRF	CCRF	% Dev			
19	M	methyl tert butyl ether	0.811	0.915	-12.8	97	0.00	7.05
20	M	acrylonitrile	0.129	0.121	6.2	86	0.00	6.19
21	M	allyl chloride	0.535	0.660	-23.4#	101	0.00	6.37

Continuing Calibration Summary

Job Number: MC23456 **Sample:** MSP2330-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71141.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

22	M	trans-1,2-dichloroethene	0.445	0.400	10.1	78	0.00	6.95
			True	Calc.	% Drift			
23	M	iodomethane	50.000	60.417	-20.8#	111	0.00	6.19
24	M	carbon disulfide	50.000	52.622	-5.2	113	0.00	6.54
25	M	propionitrile	50.000	45.803	8.4	77	0.00	7.23
			AvgRF	CCRF	% Dev			
26	M	vinyl acetate	0.657	0.628	4.4	81	0.00	7.31
27	M	chloroprene	0.911	0.889	2.4	81	0.00	7.56
28	M	di-isopropyl ether	1.744	1.556	10.8	74	0.00	7.61
29	M	methacrylonitrile	0.296	0.332	-12.2	89	0.00	7.72
			True	Calc.	% Drift			
30	M	2-butanone	50.000	36.887	26.2#	63	0.00	7.61
			AvgRF	CCRF	% Dev			
31	M	Hexane	0.997	0.972	2.5	82	0.00	7.58
32	P	1,1-dichloroethane	0.897	0.839	6.5	80	0.00	7.20
			True	Calc.	% Drift			
33	M	tert-butyl ethyl ether	50.000	47.819	4.4	92	0.00	8.00
			AvgRF	CCRF	% Dev			
34	M	isobutyl alcohol	0.326	0.307	5.8	77	0.00	7.61
			True	Calc.	% Drift			
35	M	2,2-dichloropropane	50.000	47.989	4.0	102	0.00	8.05
			AvgRF	CCRF	% Dev			
36	M	cis-1,2-dichloroethene	0.503	0.463	8.0	79	0.00	7.76
			True	Calc.	% Drift			
37		ethyl acetate	50.000	54.589	-9.2	96	0.00	8.29
			AvgRF	CCRF	% Dev			
38	M	bromochloromethane	0.181	0.186	-2.8	83	0.00	7.92
39	c	chloroform	0.972	1.045	-7.5	91	0.00	7.96
40	S	dibromofluoromethane (s)	0.503	0.522	-3.8	90	0.00	8.09
41	M	Tetrahydrofuran	0.152	0.135	11.2	79	0.00	8.29
42	M	1,1,1-trichloroethane	0.880	1.067	-21.2#	100	0.00	8.70
43	I	1,4-difluorobenzene	1.000	1.000	0.0	85	0.00	9.30
44	M	Cyclohexane	0.704	0.562	20.2#	64	0.00	8.98
45	M	carbon tetrachloride	0.519	0.717	-38.2#	106	0.00	9.06
46	M	1,1-dichloropropene	0.565	0.555	1.8	78	0.00	8.88
			True	Calc.	% Drift			
47	M	benzene	50.000	46.104	7.8	74	0.00	9.10
			AvgRF	CCRF	% Dev			
48	M	1,2-dichloroethane	0.631	0.781	-23.8#	98	0.00	8.61
			True	Calc.	% Drift			
49	M	tert-amyl methyl ether	50.000	56.552	-13.1	108	0.00	9.23
			AvgRF	CCRF	% Dev			
50	M	heptane	0.663	0.552	16.7	67	0.00	9.58
			True	Calc.	% Drift			

Continuing Calibration Summary

Job Number: MC23456 **Sample:** MSP2330-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71141.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

51	M	trichloroethene	50.000	51.987	-4.0	85	0.00	9.72
			AvgRF	CCRF	% Dev			
52	c	1,2-dichloropropane	0.393	0.350	10.9	74	0.00	9.68
53	M	dibromomethane	0.201	0.236	-17.4	92	0.00	9.66
54	M	bromodichloromethane	0.522	0.644	-23.4#	96	0.00	9.77
55	M	Methylcyclohexane	0.656	0.572	12.8	70	0.00	10.23
			True	Calc.	% Drift			
56	M	2-chloroethyl vinyl ether	50.000	62.565	-25.1#	93	0.00	10.22
			AvgRF	CCRF	% Dev			
57	M	methyl methacrylate	0.212	0.227	-7.1	82	0.00	9.88
			True	Calc.	% Drift			
58	M	1,4-dioxane	250.000	282.711	-13.1	90	0.00	9.88
			AvgRF	CCRF	% Dev			
59	M	cis-1,3-dichloropropene	0.585	0.610	-4.3	80	0.00	10.39
60	S	toluene-d8 (s)	1.385	1.225	11.6	73	0.00	11.09
61	M	4-methyl-2-pentanone	0.355	0.431	-21.4#	93	0.00	10.50
62	c	toluene	0.899	0.849	5.6	74	0.00	11.16
			True	Calc.	% Drift			
63	M	trans-1,3-dichloropropene	50.000	49.993	0.0	84	0.00	10.81
			AvgRF	CCRF	% Dev			
64	M	1,1,2-trichloroethane	0.266	0.265	0.4	76	0.00	10.98
			True	Calc.	% Drift			
65	M	ethyl methacrylate	50.000	53.366	-6.7	87	0.00	11.20
			AvgRF	CCRF	% Dev			
66	I	chlorobenzene-d5	1.000	1.000	0.0	85	0.00	12.55
67	M	tetrachloroethene	0.658	0.641	2.6	86	0.00	11.90
68	M	1,3-dichloropropane	0.915	0.953	-4.2	85	0.00	11.21
			True	Calc.	% Drift			
69	M	dibromochloromethane	50.000	58.707	-17.4	102	0.00	11.50
			AvgRF	CCRF	% Dev			
70	M	1,2-dibromoethane	0.533	0.549	-3.0	84	0.00	11.75
71	M	2-hexanone	0.465	0.475	-2.2	87	0.00	11.36
72	P	chlorobenzene	1.668	1.506	9.7	77	0.00	12.58
73	M	1,1,1,2-tetrachloroethane	0.560	0.633	-13.0	90	0.00	12.50
74	c	ethylbenzene	3.121	2.856	8.5	77	0.00	12.75
75	M	m,p-xylene	1.151	0.989	14.1	71	0.00	12.94
76	M	o-xylene	1.142	1.036	9.3	74	0.00	13.35
77	M	styrene	1.705	1.412	17.2	66	0.00	13.28
			True	Calc.	% Drift			
78	P	bromoform	50.000	61.955	-23.9#	118	0.00	13.10
79	M	trans-1,4-dichloro-2-bute	50.000	64.617	-29.2#	131	0.00	13.51
			AvgRF	CCRF	% Dev			
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	15.10
81	M	isopropylbenzene	4.170	3.328	20.2#	75	0.00	13.72
82	S	bromofluorobenzene (s)	1.256	0.979	22.1#	79	0.00	13.77

Continuing Calibration Summary

Job Number: MC23456 **Sample:** MSP2330-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71141.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

83	M	bromobenzene	0.883	0.773	12.5	83	0.00	13.99
84	P	1,1,2,2-tetrachloroethane	0.863	0.841	2.5	90	0.00	13.36
85	M	1,2,3-trichloropropane	0.899	0.956	-6.3	99	0.00	13.51
86	M	n-propylbenzene	4.705	3.973	15.6	79	0.00	14.16
87	M	2-chlorotoluene	3.005	2.474	17.7	79	0.00	14.27
88	M	4-chlorotoluene	3.010	2.533	15.8	80	0.00	14.35
89	M	1,3,5-trimethylbenzene	3.477	2.860	17.7	78	0.00	14.44
90	M	tert-butylbenzene	2.299	2.018	12.2	85	0.00	14.74
91	M	1,2,4-trimethylbenzene	3.354	2.806	16.3	79	0.00	14.85
92	M	sec-butylbenzene	4.364	3.665	16.0	78	0.00	14.96
93	M	1,3-dichlorobenzene	1.656	1.470	11.2	85	0.00	15.06
94	M	p-isopropyltoluene	3.096	2.726	12.0	83	0.00	15.14
95	M	1,4-dichlorobenzene	1.595	1.471	7.8	89	0.00	15.13
96	M	1,2-dichlorobenzene	1.554	1.415	8.9	88	0.00	15.50
97	M	n-butylbenzene	3.166	2.978	5.9	86	0.00	15.56
			True	Calc.	% Drift			
98	M	1,2-dibromo-3-chloropropa	50.000	63.377	-26.8#	137	0.00	15.98
			AvgRF	CCRF	% Dev			
99		1,3,5-trichlorobenzene	1.160	1.108	4.5	91	0.00	16.80
			True	Calc.	% Drift			
100	M	1,2,4-trichlorobenzene	50.000	44.485	11.0	89	0.00	17.33
			AvgRF	CCRF	% Dev			
101	M	hexachlorobutadiene	0.841	0.855	-1.7	104	0.00	17.61
			True	Calc.	% Drift			
102	M	naphthalene	50.000	44.653	10.7	98	0.00	17.59
103	M	1,2,3-trichlorobenzene	50.000	46.854	6.3	97	0.00	17.79
			AvgRF	CCRF	% Dev			
104	M	2-Methylnaphthalene	0.571	0.489	14.4	89	0.00	18.89
105	M	1-Methylnaphthalene	0.518	0.471	9.1	97	0.00	19.12

(17.8 %) 18 of 101 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p70805.D P130805S.M Tue Aug 20 12:14:42 2013

New England ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130529.D
Acq On : 15 Aug 2013 4:16 pm
Operator : jaimem
Sample : mc23456-1
Misc : MS29663,MSG5089,10.333,,100,10,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 16 07:11:54 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.075	65	20492	500.00	ppb	0.00
4) pentafluorobenzene	5.072	168	76422	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.195	114	126253	50.00	ppb	0.00
66) chlorobenzene-d5	9.539	82	62481	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.163	152	56139	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	5.232	113	62231	51.95	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.90%			
60) toluene-d8 (s)	7.879	98	254262	51.00	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.00%			
82) bromofluorobenzene (s)	10.868	95	96472	51.95	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.90%			
Target Compounds						Qvalue
47) benzene	5.894	78	2807	0.51	ppb	84
62) toluene	7.965	92	4400	1.33	ppb	100
74) ethylbenzene	9.636	91	3368	0.53	ppb	95
75) m,p-xylene	9.720	106	3028	1.30	ppb	99
76) o-xylene	10.198	106	1698	0.76	ppb	88
102) naphthalene	14.709	128	53087	15.14	ppb	100

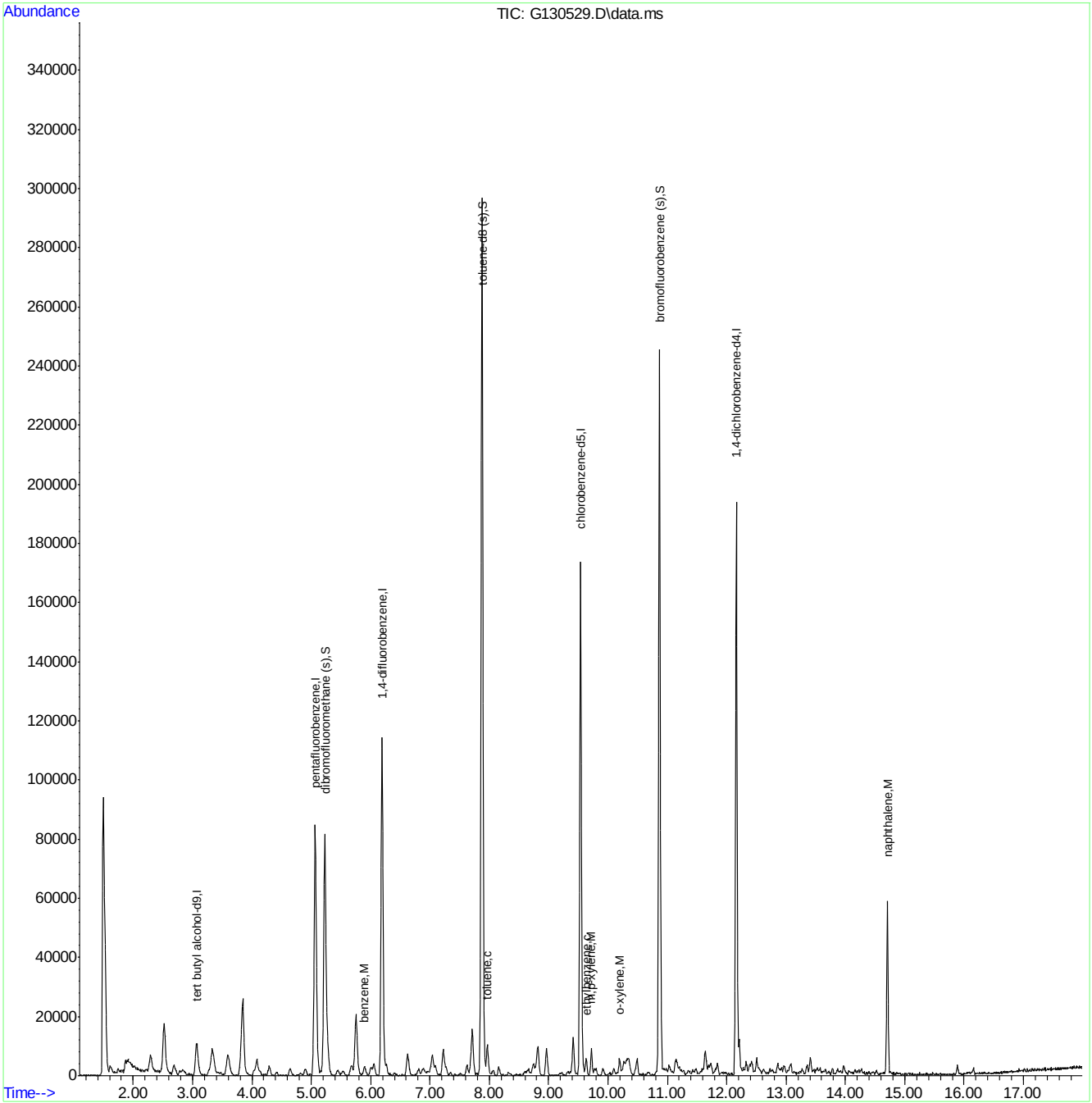
(#) = qualifier out of range (m) = manual integration (+) = signals summed

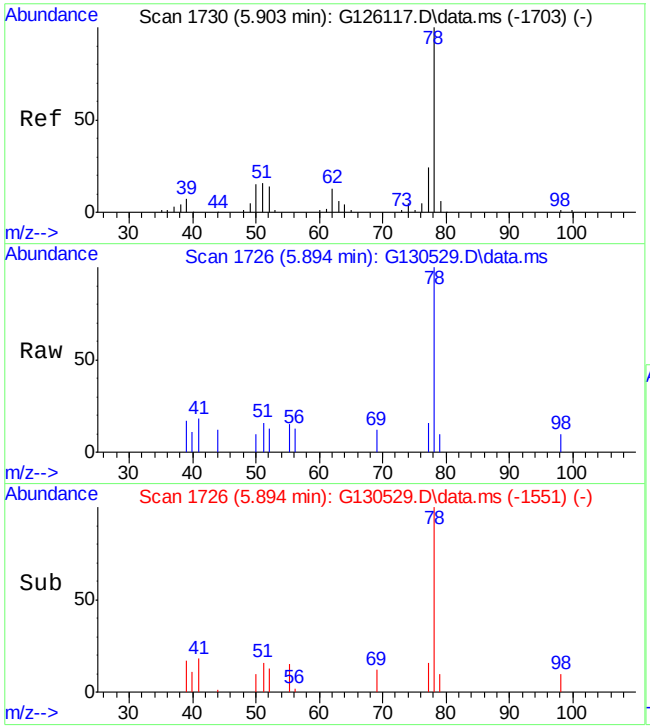
7.1.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130529.D
Acq On : 15 Aug 2013 4:16 pm
Operator : jaimem
Sample : mc23456-1
Misc : MS29663,MSG5089,10.333,,100,10,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 16 07:11:54 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

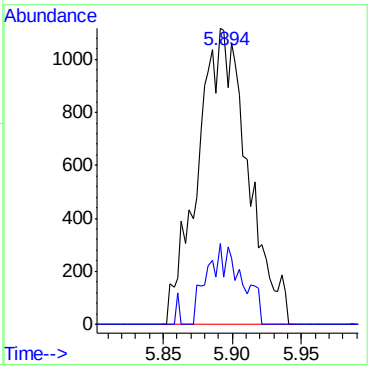


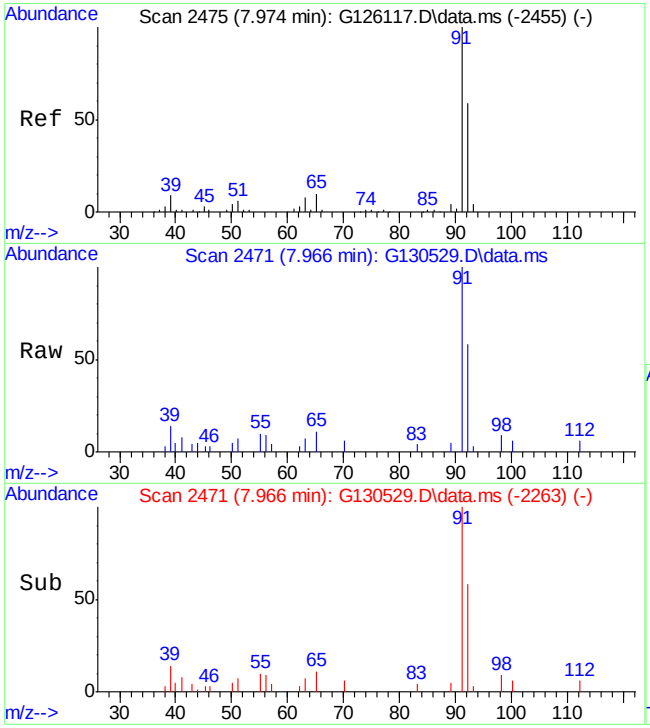


#47
benzene
Concen: 0.51 ppb
RT: 5.894 min Scan# 1726
Delta R.T. -0.003 min
Lab File: G130529.D
Acq: 15 Aug 13 4:16 pm

Tgt Ion: 78 Resp: 2807

Ion	Ratio	Lower	Upper
78	100		
77	16.1	0.0	54.0

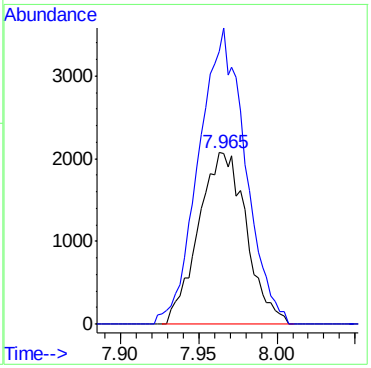


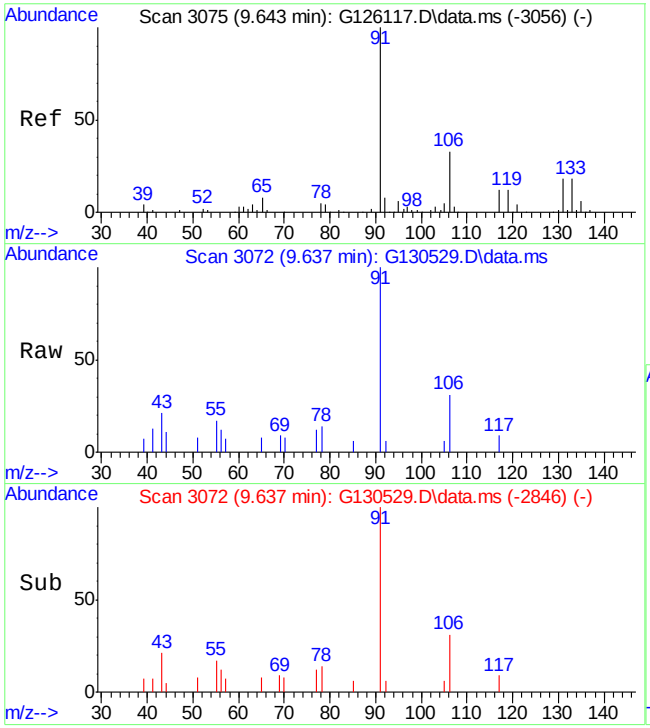


#62
toluene
Concen: 1.33 ppb
RT: 7.965 min Scan# 2471
Delta R.T. -0.003 min
Lab File: G130529.D
Acq: 15 Aug 13 4:16 pm

Tgt Ion: 92 Resp: 4400

Ion	Ratio	Lower	Upper
92	100		
91	173.4	144.0	204.0

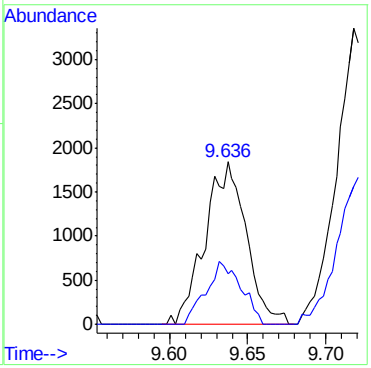


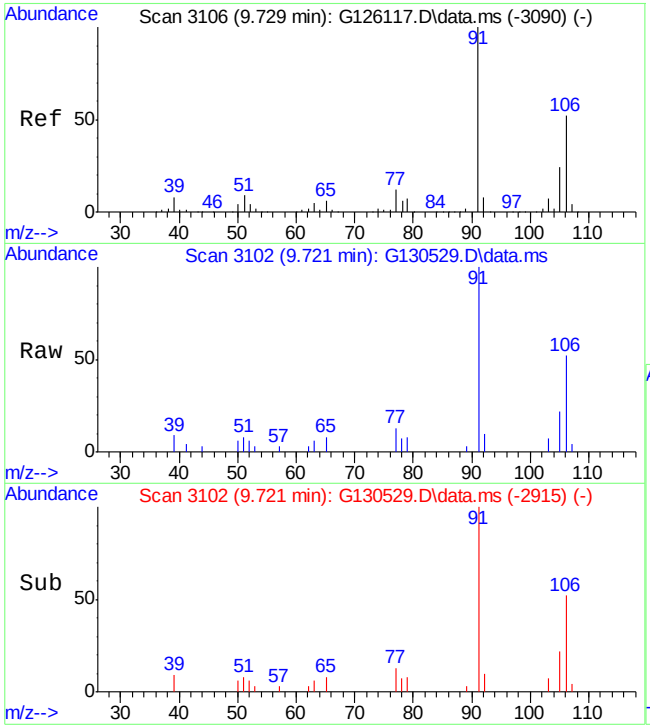


#74
ethylbenzene
Concen: 0.53 ppb
RT: 9.636 min Scan# 3072
Delta R.T. -0.002 min
Lab File: G130529.D
Acq: 15 Aug 13 4:16 pm

Tgt Ion: 91 Resp: 3368

Ion	Ratio	Lower	Upper
91	100		
106	31.1	4.1	64.1

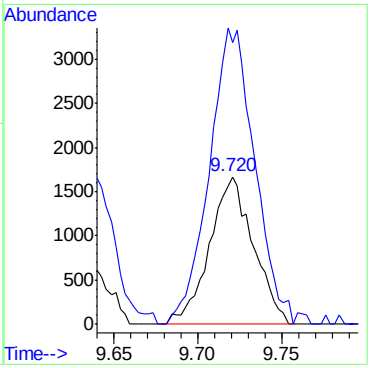


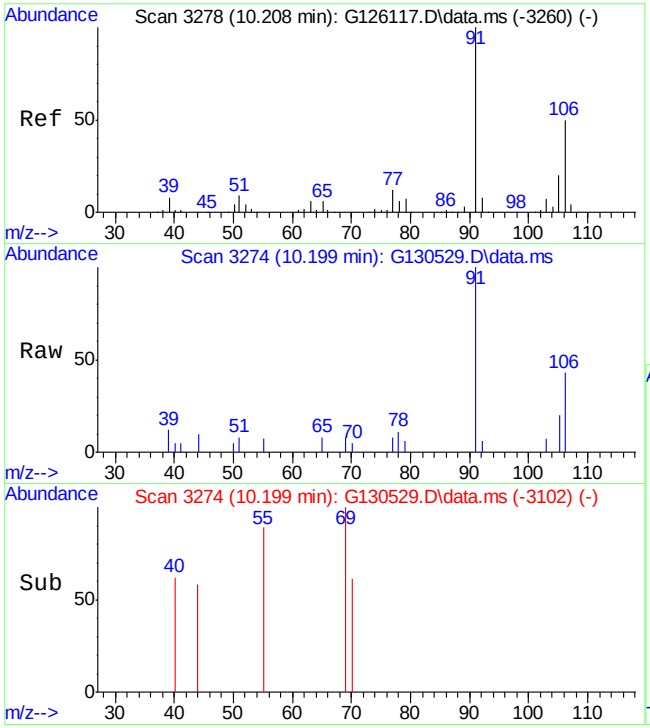


#75
m,p-xylene
Concen: 1.30 ppb
RT: 9.720 min Scan# 3102
Delta R.T. -0.001 min
Lab File: G130529.D
Acq: 15 Aug 13 4:16 pm

Tgt Ion:106 Resp: 3028

Ion	Ratio	Lower	Upper
106	100		
91	191.7	162.7	222.7

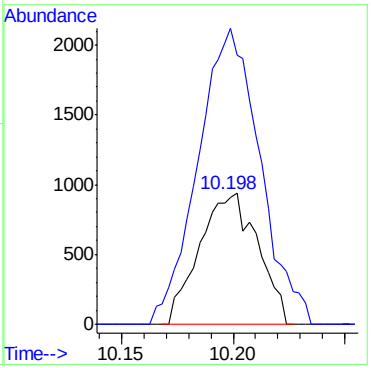


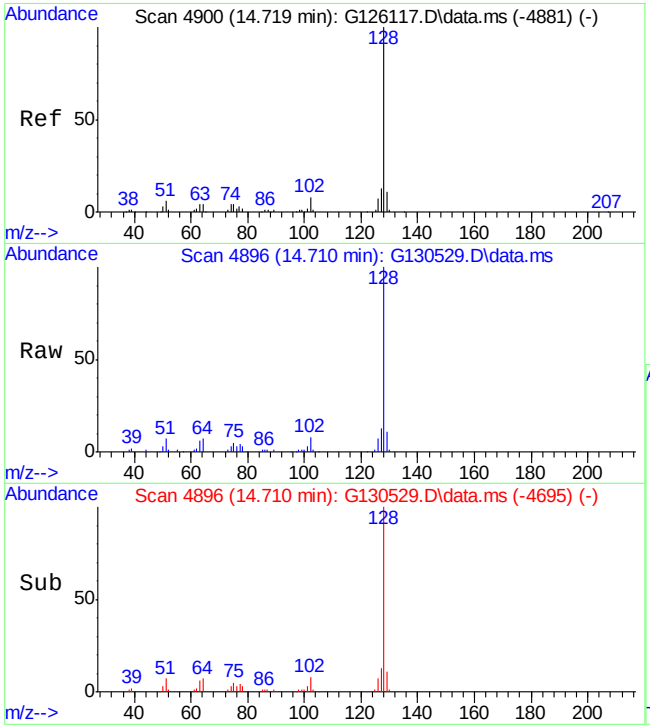


#76
o-xylene
Concen: 0.76 ppb
RT: 10.198 min Scan# 3274
Delta R.T. -0.002 min
Lab File: G130529.D
Acq: 15 Aug 13 4:16 pm

Tgt Ion:106 Resp: 1698

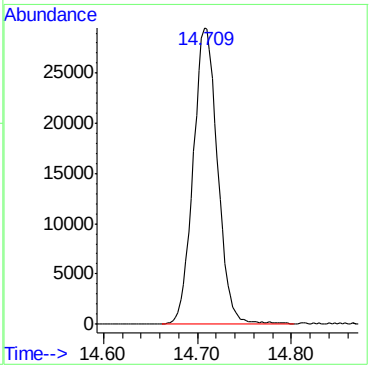
Ion	Ratio	Lower	Upper
106	100		
91	217.3	169.3	229.3





#102
naphthalene
Concen: 15.14 ppb
RT: 14.709 min Scan# 4896
Delta R.T. -0.002 min
Lab File: G130529.D
Acq: 15 Aug 13 4:16 pm

Tgt Ion:128 Resp: 53087



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130529.D
Acq On : 15 Aug 2013 4:16 pm
Operator : jaimem
Sample : mc23456-1
Misc : MS29663tic,MSG5089,10.333,,100,10,1
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\g130628s.m
Title : SW-846 Method 8260

Signal : TIC: G130529.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.065	1390	1428	1465	rBV2	84705	230371	35.94%	8.467%
2	5.226	1465	1486	1545	rVB2	81657	239550	37.37%	8.804%
3	5.755	1655	1676	1710	rVB4	20329	60126	9.38%	2.210%
4	6.191	1805	1833	1895	rBV2	114233	280653	43.78%	10.315%
5	7.877	2410	2439	2460	rBV	296343	641008	100.00%	23.559%
6	9.537	3015	3036	3060	rBV	173326	335478	52.34%	12.330%
7	10.866	3465	3514	3560	rBV	245179	467236	72.89%	17.172%
8	12.162	3960	3980	4020	rBV	193657	358724	55.96%	13.184%
9	14.710	4840	4896	4940	rVB2	58665	107762	16.81%	3.961%

Sum of corrected areas: 2720908

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130530.D
Acq On : 15 Aug 2013 4:44 pm
Operator : jaimem
Sample : mc23456-2
Misc : MS29663,MSG5089,9.653,,50,10,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 16 07:12:58 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

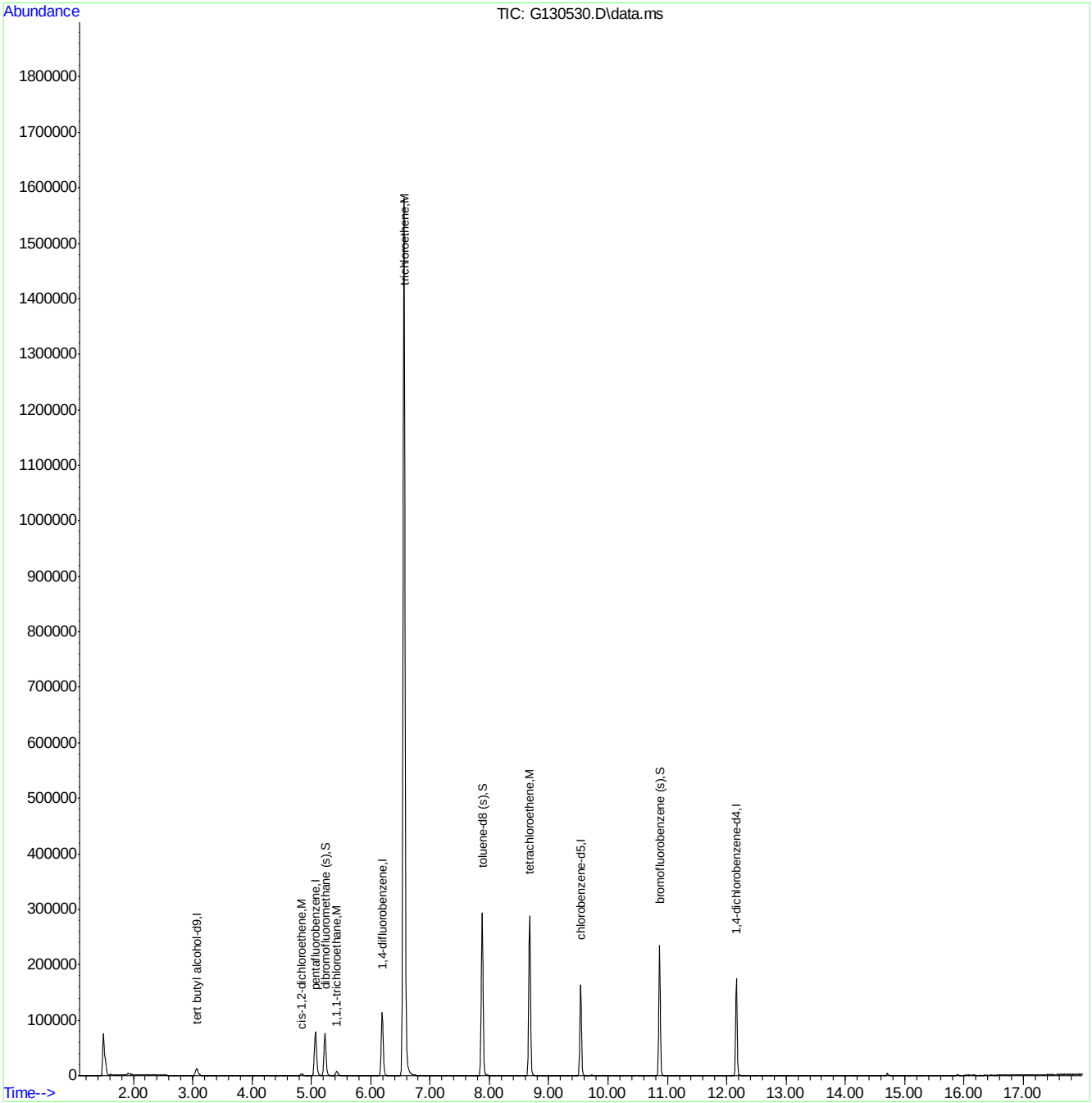
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.072	65	23171	500.00	ppb	-0.01
4) pentafluorobenzene	5.072	168	76889	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.196	114	124619	50.00	ppb	0.00
66) chlorobenzene-d5	9.539	82	60887	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.163	152	53536	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	5.232	113	62326	51.71	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.42%			
60) toluene-d8 (s)	7.879	98	255849	51.99	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.98%			
82) bromofluorobenzene (s)	10.868	95	93248	52.65	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.30%			
Target Compounds						Qvalue
37) cis-1,2-dichloroethene	4.834	96	2372	1.63	ppb	82
42) 1,1,1-trichloroethane	5.431	97	8051	4.35	ppb	92
51) trichloroethene	6.564	95	703056	489.76	ppb	89
67) tetrachloroethene	8.679	166	102975	80.65	ppb	97

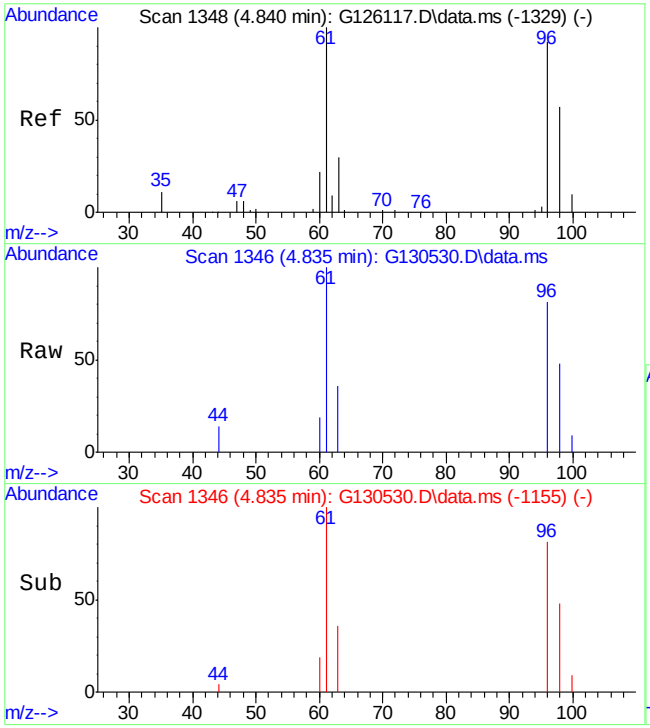
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130530.D
Acq On : 15 Aug 2013 4:44 pm
Operator : jaimem
Sample : mc23456-2
Misc : MS29663,MSG5089,9.653,,50,10,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 16 07:12:58 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

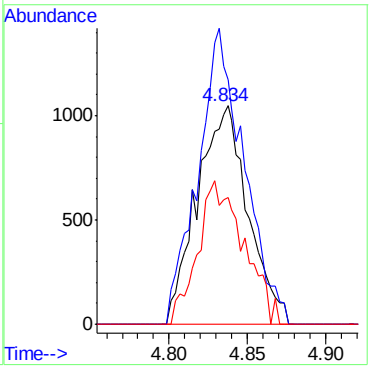


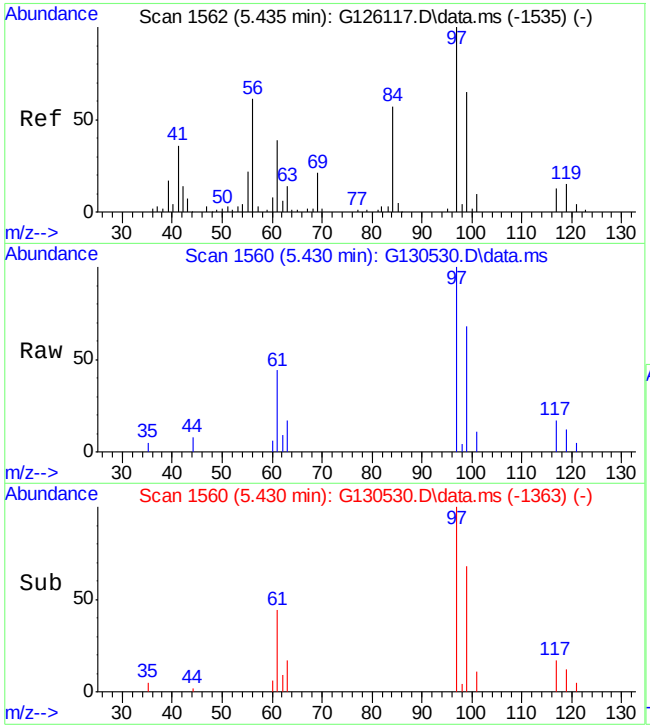


#37
cis-1,2-dichloroethene
Concen: 1.63 ppb
RT: 4.834 min Scan# 1346
Delta R.T. -0.000 min
Lab File: G130530.D
Acq: 15 Aug 13 4:44 pm

Tgt Ion: 96 Resp: 2372

Ion	Ratio	Lower	Upper
96	100		
61	123.3	122.1	182.1
98	59.4	36.9	96.9

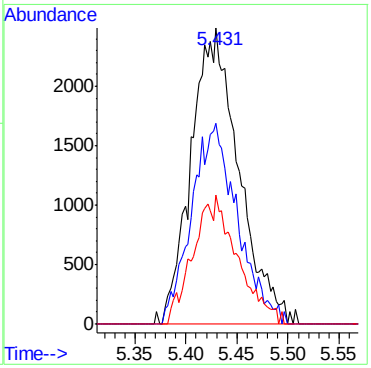


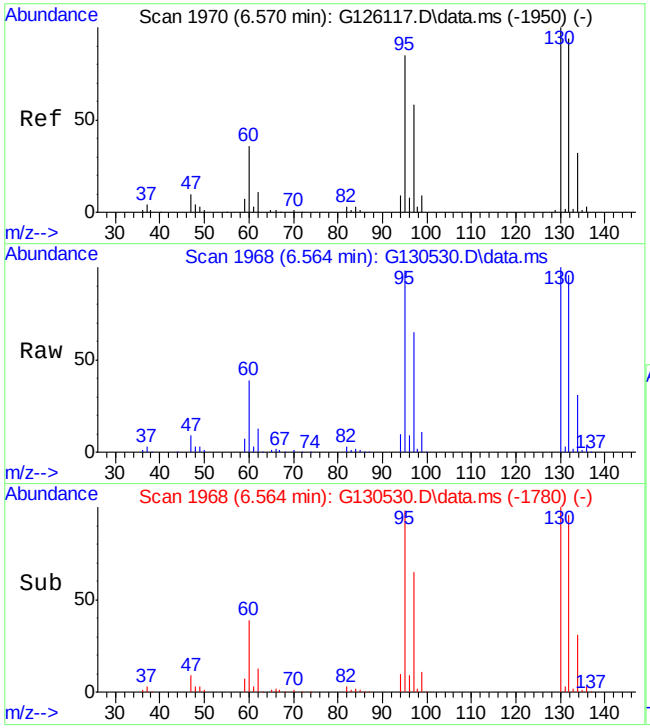


#42
1,1,1-trichloroethane
Concen: 4.35 ppb
RT: 5.431 min Scan# 1560
Delta R.T. -0.001 min
Lab File: G130530.D
Acq: 15 Aug 13 4:44 pm

Tgt Ion: 97 Resp: 8051

Ion	Ratio	Lower	Upper
97	100		
99	67.8	30.7	90.7
61	43.7	17.5	77.5

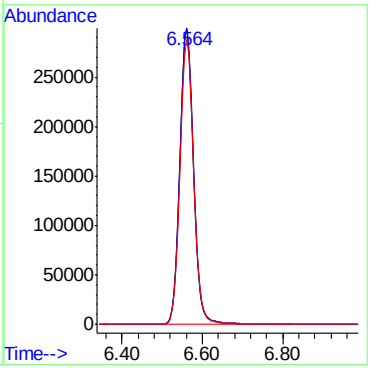


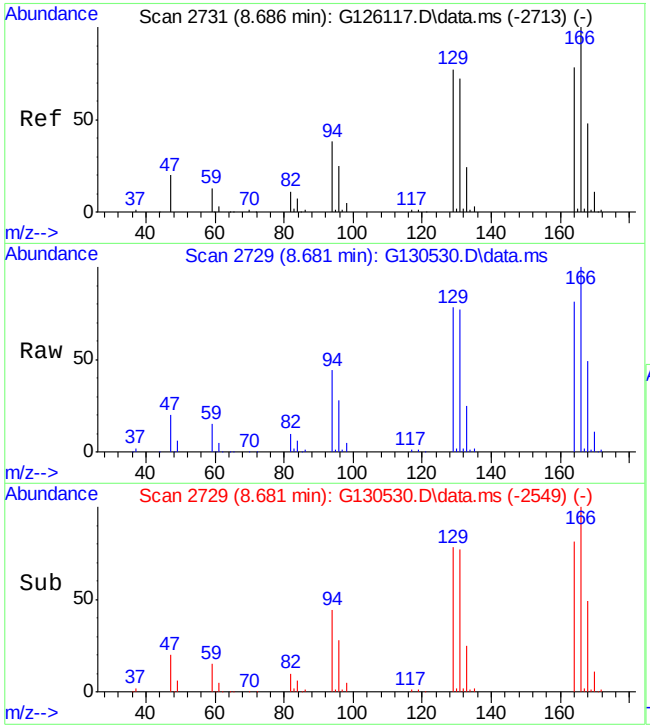


#51
trichloroethene
Concen: 489.76 ppb
RT: 6.564 min Scan# 1968
Delta R.T. 0.001 min
Lab File: G130530.D
Acq: 15 Aug 13 4:44 pm

Tgt Ion: 95 Resp: 703056

Ion	Ratio	Lower	Upper
95	100		
130	102.1	85.7	145.7
132	98.3	78.0	138.0

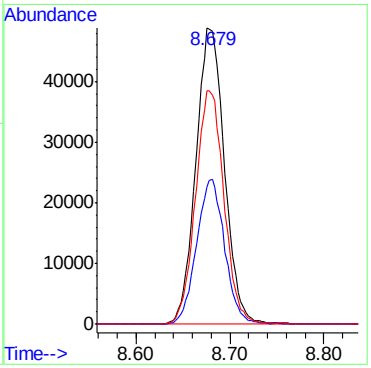




#67
tetrachloroethene
Concen: 80.65 ppb
RT: 8.679 min Scan# 2729
Delta R.T. -0.000 min
Lab File: G130530.D
Acq: 15 Aug 13 4:44 pm

Tgt Ion:166 Resp: 102975

Ion	Ratio	Lower	Upper
166	100		
168	49.5	15.8	75.8
129	78.4	47.3	107.3



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130530.D
Acq On : 15 Aug 2013 4:44 pm
Operator : jaimem
Sample : mc23456-2
Misc : MS29663tic,MSG5089,9.653,,50,10,1
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\g130628s.m
Title : SW-846 Method 8260

Signal : TIC: G130530.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.068	1386	1430	1466	rBV2	78905	208371	5.58%	3.115%
2	5.227	1466	1487	1536	rVB3	76631	189925	5.09%	2.839%
3	6.194	1791	1835	1881	rBV	113683	268763	7.20%	4.018%
4	6.562	1931	1967	2066	rBV	1582070	3734198	100.00%	55.824%
5	7.880	2411	2441	2501	rVB	294031	639681	17.13%	9.563%
6	8.678	2696	2728	2771	rBV	288830	599305	16.05%	8.959%
7	9.540	3011	3038	3091	rBV2	164326	321384	8.61%	4.804%
8	10.867	3491	3515	3561	rBV	235228	416987	11.17%	6.234%
9	12.163	3956	3981	4026	rBV2	175744	310663	8.32%	4.644%

Sum of corrected areas: 6689277

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130583.D
Acq On : 16 Aug 2013 6:40 pm
Operator : jaimem
Sample : mc23456-2
Misc : MS29663,MSG5090,9.653,,5,10,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 19 08:02:00 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

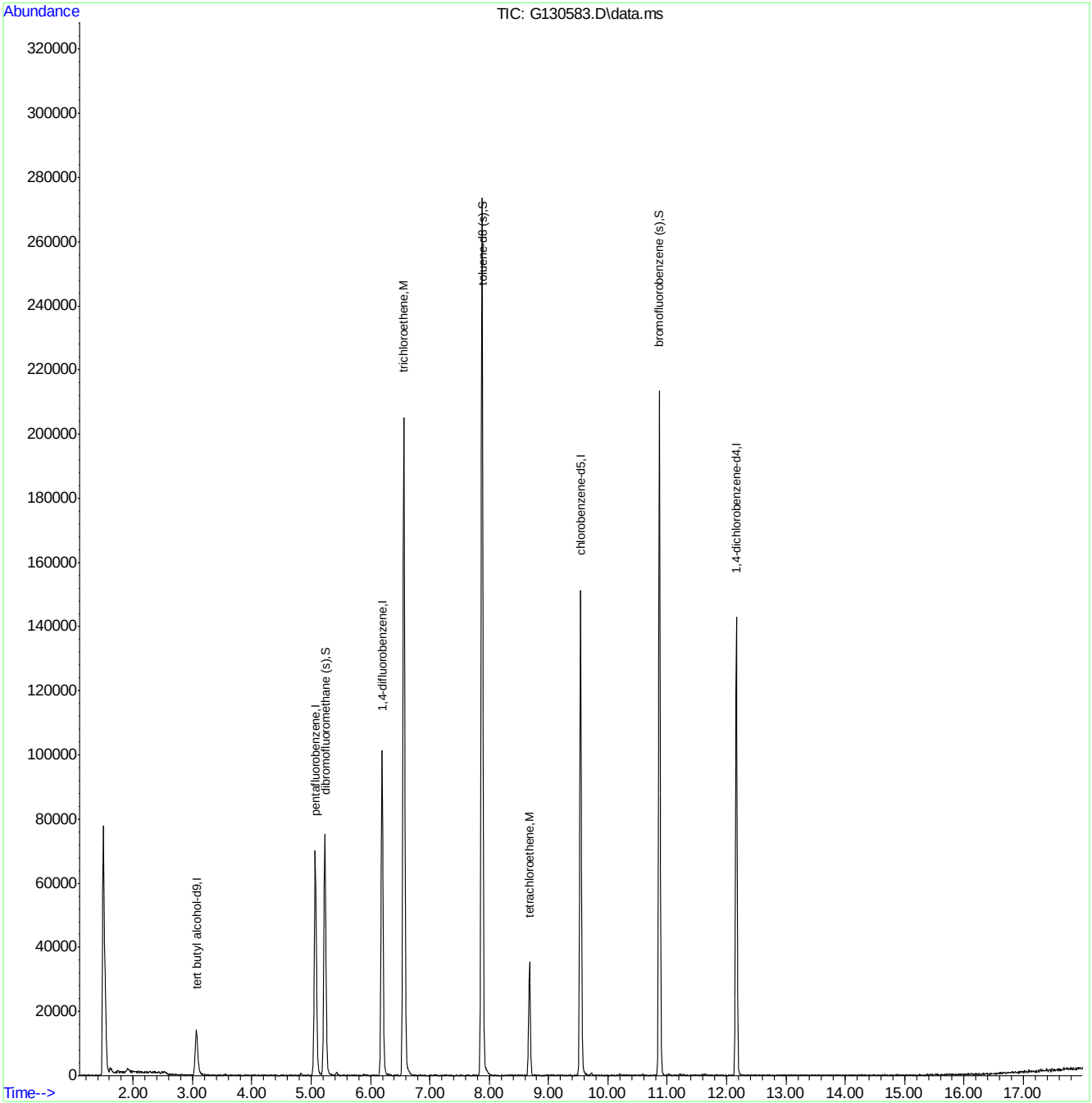
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.073	65	25287	500.00	ppb	-0.01
4) pentafluorobenzene	5.073	168	65929	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.197	114	110303	50.00	ppb	0.00
66) chlorobenzene-d5	9.540	82	54571	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.164	152	44878	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	5.233	113	60250	58.30	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 116.60%			
60) toluene-d8 (s)	7.880	98	234780	53.90	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.80%			
82) bromofluorobenzene (s)	10.869	95	86766	58.44	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 116.88%			
Target Compounds						Qvalue
51) trichloroethene	6.564	95	88005	69.26	ppb	88
67) tetrachloroethene	8.679	166	12680	11.08	ppb	94

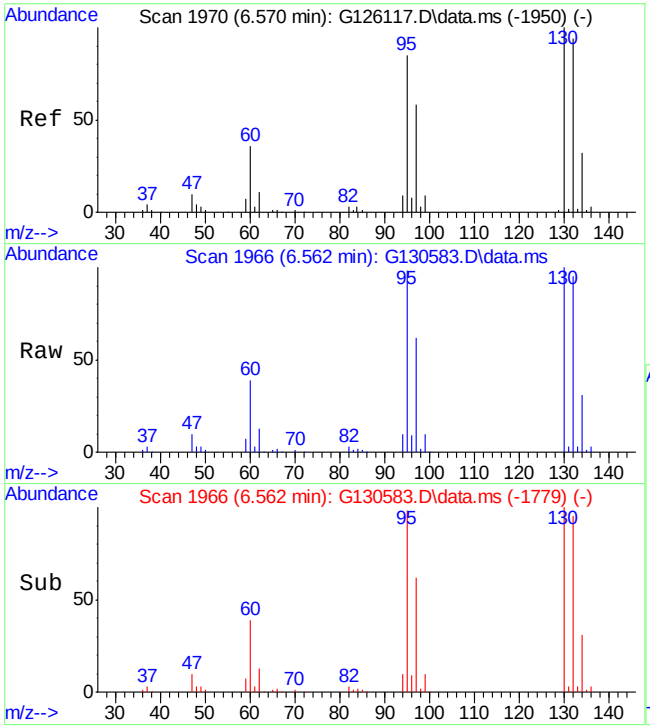
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130583.D
Acq On : 16 Aug 2013 6:40 pm
Operator : jaimem
Sample : mc23456-2
Misc : MS29663,MSG5090,9.653,,5,10,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 19 08:02:00 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

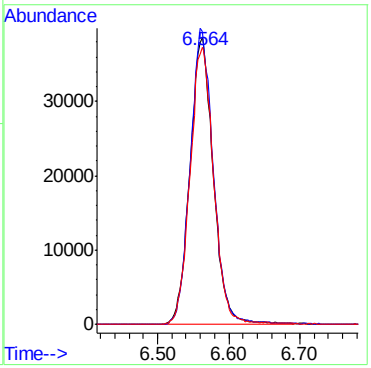


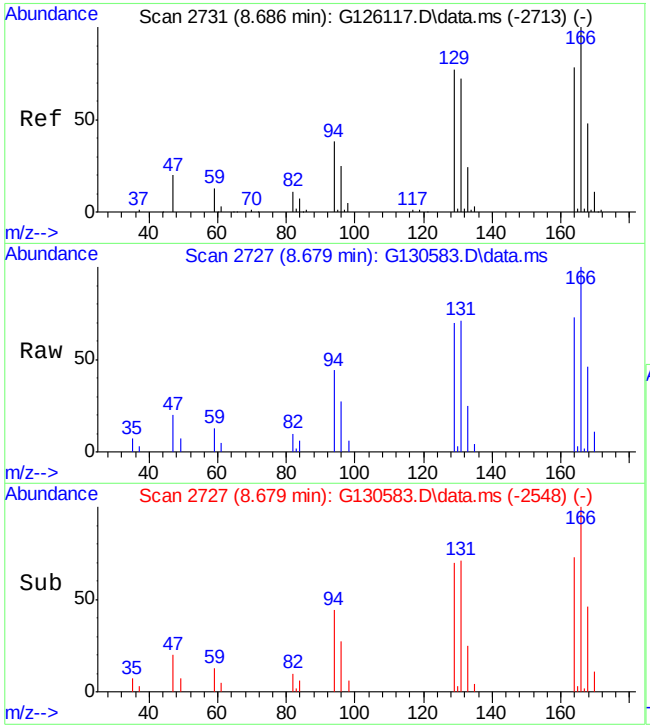


#51
trichloroethene
Concen: 69.26 ppb
RT: 6.564 min Scan# 1966
Delta R.T. 0.001 min
Lab File: G130583.D
Acq: 16 Aug 13 6:40 pm

Tgt Ion: 95 Resp: 88005

Ion	Ratio	Lower	Upper
95	100		
130	102.0	85.7	145.7
132	96.4	78.0	138.0

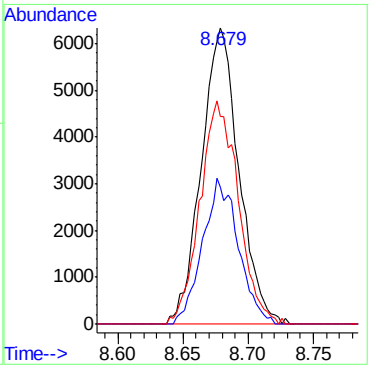




#67
tetrachloroethene
Concen: 11.08 ppb
RT: 8.679 min Scan# 2727
Delta R.T. -0.000 min
Lab File: G130583.D
Acq: 16 Aug 13 6:40 pm

Tgt Ion:166 Resp: 12680

Ion	Ratio	Lower	Upper
166	100		
168	46.4	15.8	75.8
129	70.0	47.3	107.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130820\
Data File : p71155.D
Acq On : 20 Aug 2013 3:59 pm
Operator : krystend
Sample : mc23456-3
Misc : ms29678,msp2328,4.818,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 20 16:22:20 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

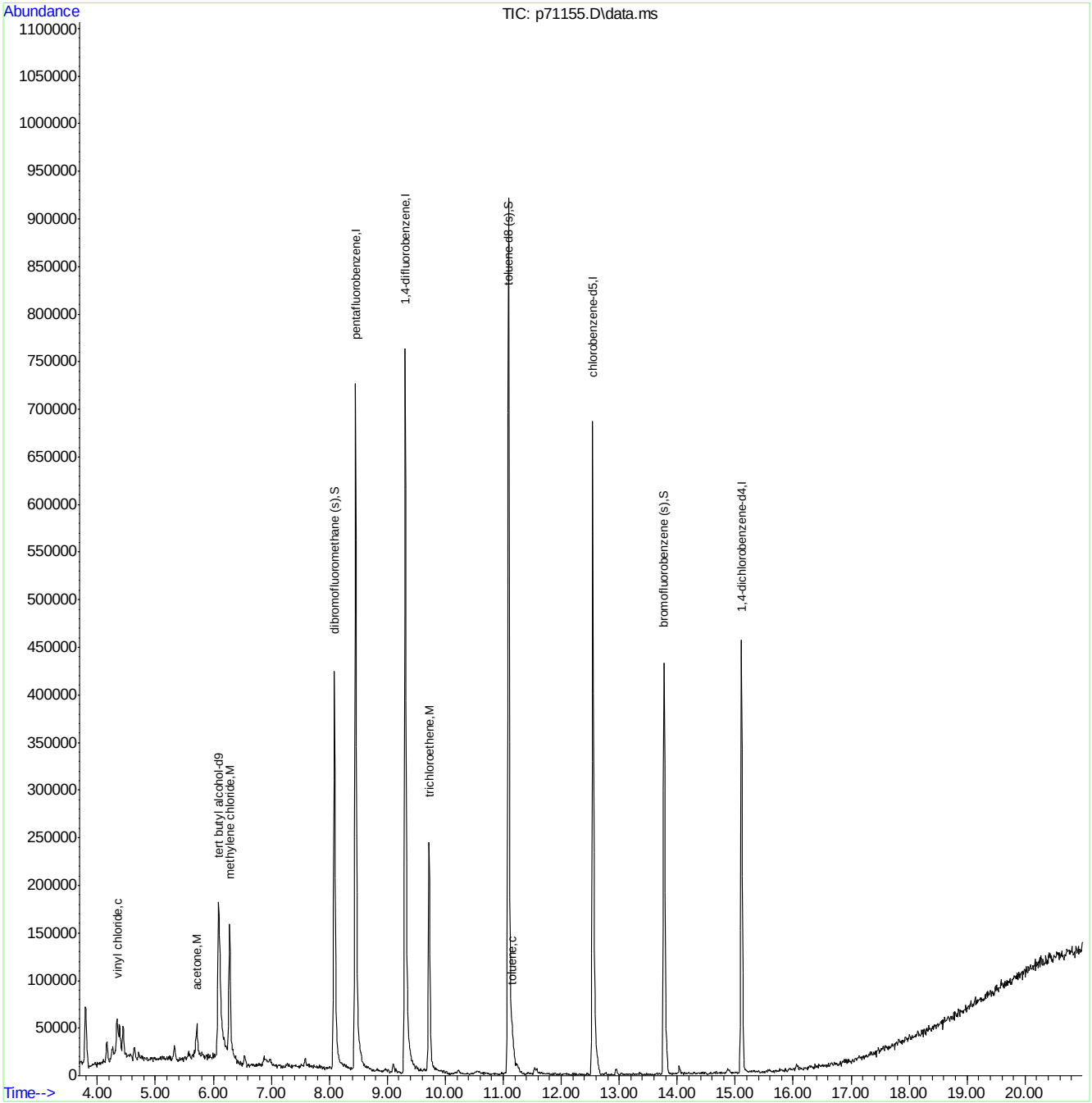
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.092	65	291971	500.00	ug/kg	# 0.01
4) pentafluorobenzene	8.456	168	456695	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.312	114	583053	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	258016	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.112	152	121194	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.092	113	262890	57.20	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 114.40%#			
60) toluene-d8 (s)	11.090	98	656030	40.62	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 81.24%#			
82) bromofluorobenzene (s)	13.771	95	163191	53.62	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 107.24%#			
Target Compounds						Qvalue
7) vinyl chloride	4.347	62	3112	0.60	ug/kg	70
16) acetone	5.721	58	9159	12.62	ug/kg#	38
18) methylene chloride	6.280	84	50833	15.46	ug/kg	91
51) trichloroethene	9.723	95	96493	18.91	ug/kg	94
62) toluene	11.158	92	7533	0.72	ug/kg#	75

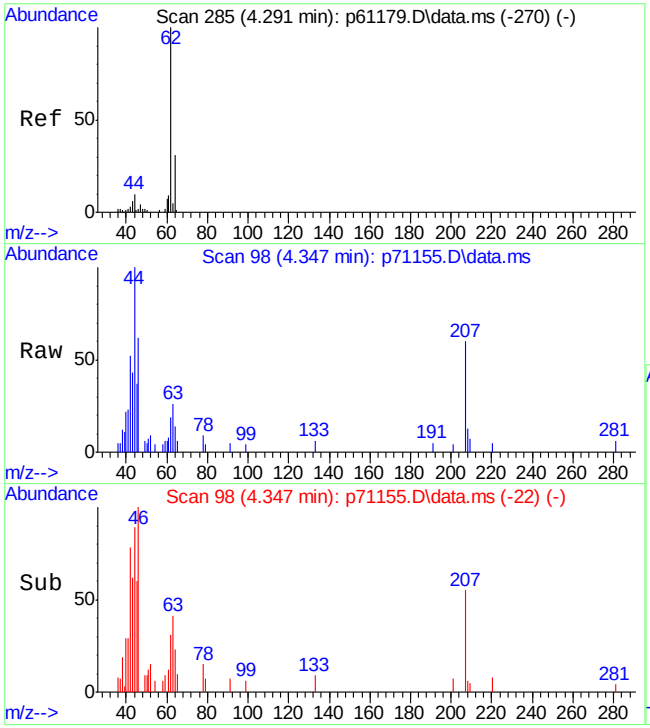
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130820\
Data File : p71155.D
Acq On : 20 Aug 2013 3:59 pm
Operator : krystend
Sample : mc23456-3
Misc : ms29678,msp2328,4.818,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 20 16:22:20 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

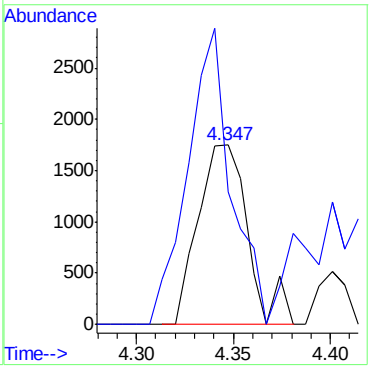


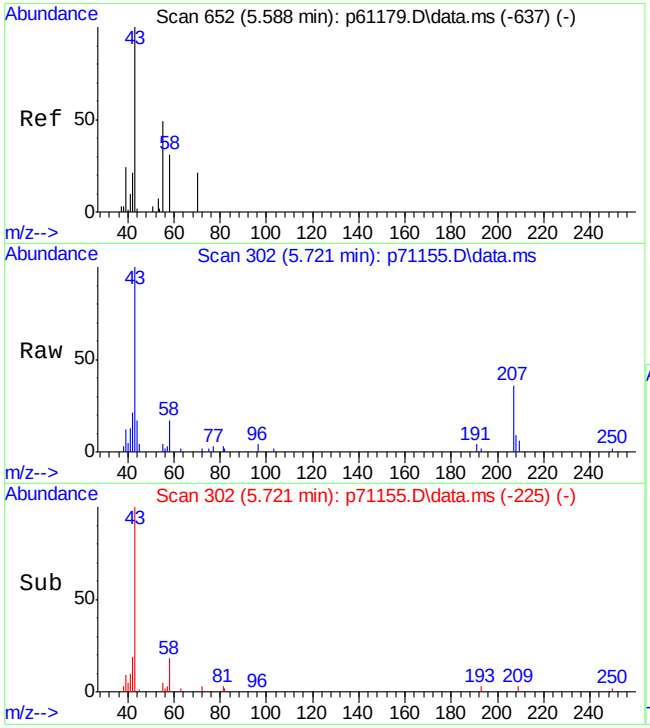


#7
vinyl chloride
Concen: 0.60 ug/kg
RT: 4.347 min Scan# 98
Delta R.T. 0.014 min
Lab File: p71155.D
Acq: 20 Aug 2013 3:59 pm

Tgt Ion: 62 Resp: 3112

Ion	Ratio	Lower	Upper
62	100		
64	48.3	1.5	61.5

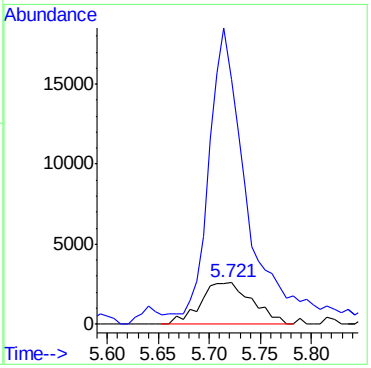


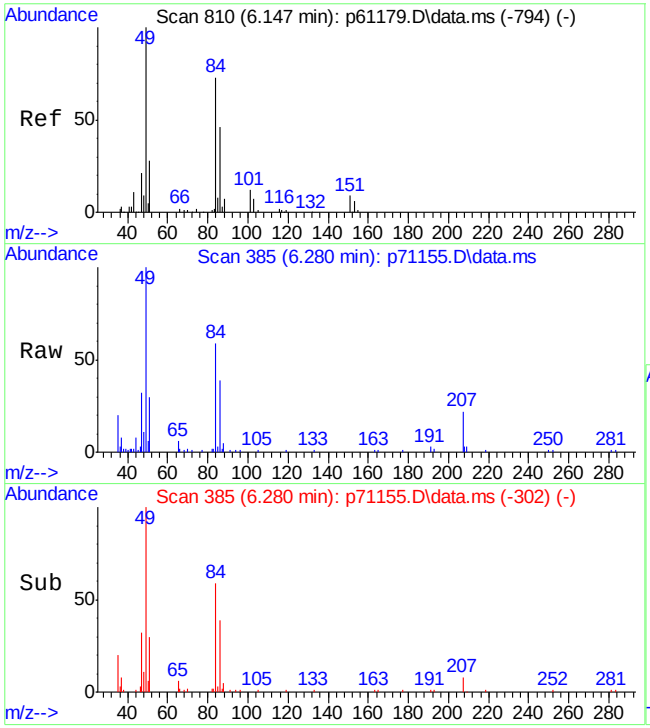


#16
acetone
Concen: 12.62 ug/kg
RT: 5.721 min Scan# 302
Delta R.T. 0.020 min
Lab File: p71155.D
Acq: 20 Aug 2013 3:59 pm

Tgt Ion: 58 Resp: 9159

Ion	Ratio	Lower	Upper
58	100		
43	562.1	383.1	443.1#

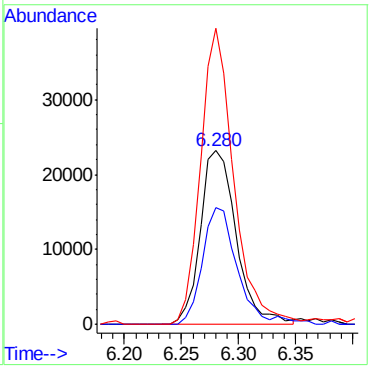


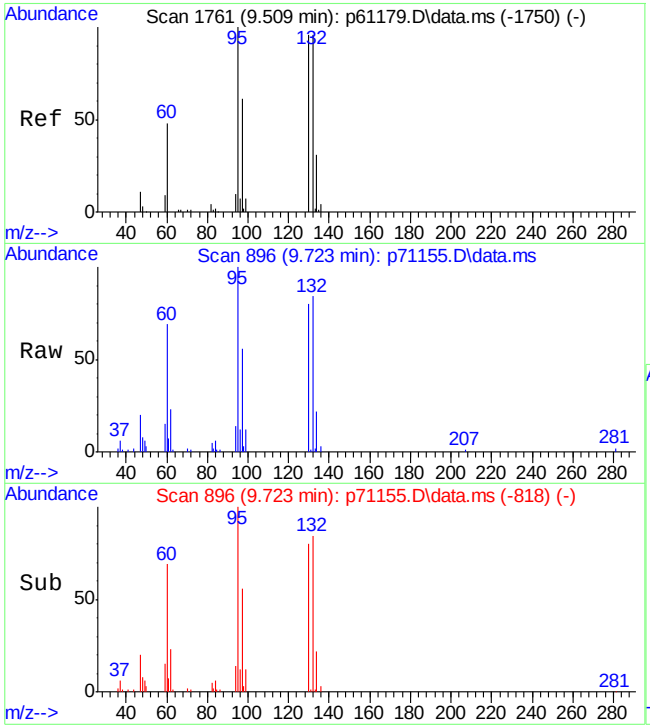


#18
methylene chloride
Concen: 15.46 ug/kg
RT: 6.280 min Scan# 385
Delta R.T. 0.000 min
Lab File: p71155.D
Acq: 20 Aug 2013 3:59 pm

Tgt Ion: 84 Resp: 50833

Ion	Ratio	Lower	Upper
84	100		
86	67.3	37.0	97.0
49	170.8	123.7	183.7

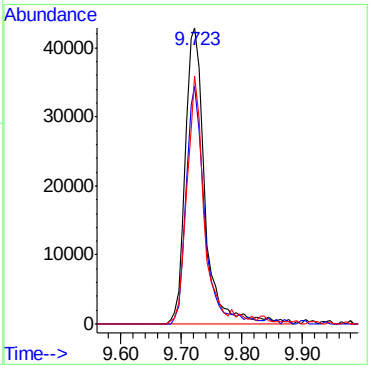


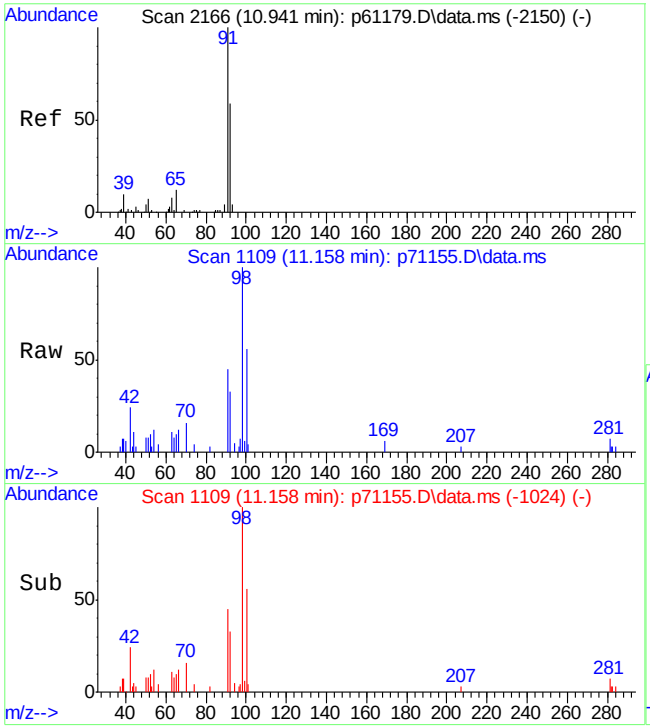


#51
trichloroethene
Concen: 18.91 ug/kg
RT: 9.723 min Scan# 896
Delta R.T. 0.007 min
Lab File: p71155.D
Acq: 20 Aug 2013 3:59 pm

Tgt Ion: 95 Resp: 96493

Ion	Ratio	Lower	Upper
95	100		
130	80.3	54.1	114.1
132	83.7	46.2	106.2

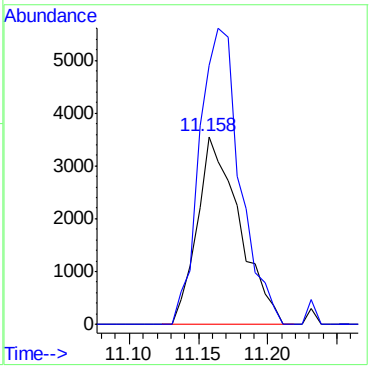




#62
toluene
Concen: 0.72 ug/kg
RT: 11.158 min Scan# 1109
Delta R.T. -0.006 min
Lab File: p71155.D
Acq: 20 Aug 2013 3:59 pm

Tgt Ion: 92 Resp: 7533

Ion	Ratio	Lower	Upper
92	100		
91	138.1	142.4	202.4#



LSC Area Percent Report

Data Path : C:\msdchem\1\data\P130820\
Data File : p71155.D
Acq On : 20 Aug 2013 3:59 pm
Operator : krystend
Sample : mc23456-3
Misc : ms29678,msp2328,4.818,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\P130805S.M
Title : SW-846 Method 8260

Signal : TIC: p71155.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.643	137	142	149	rBV3	15375	37441	2.09%	0.357%
2	5.331	240	244	248	rVB3	12769	19198	1.07%	0.183%
3	5.715	296	301	307	rVB	32382	60976	3.40%	0.582%
4	6.092	350	357	370	rBV	161294	534041	29.81%	5.096%
5	6.280	379	385	395	rVB	134958	249699	13.94%	2.383%
6	6.536	419	423	429	rVB5	12306	27047	1.51%	0.258%
7	8.086	646	653	669	rBV	417925	919255	51.32%	8.772%
8	8.456	701	708	728	rBV	718470	1515932	84.63%	14.466%
9	9.312	828	835	851	rBV	760498	1633464	91.19%	15.588%
10	9.723	889	896	908	rBV	240823	500325	27.93%	4.774%
11	11.090	1093	1099	1107	rBV	919430	1791194	100.00%	17.093%
12	12.545	1307	1315	1336	rBV	686479	1422404	79.41%	13.574%
13	13.778	1489	1498	1512	rBV	432615	898716	50.17%	8.576%
14	15.105	1689	1695	1705	rBV	454825	869579	48.55%	8.298%

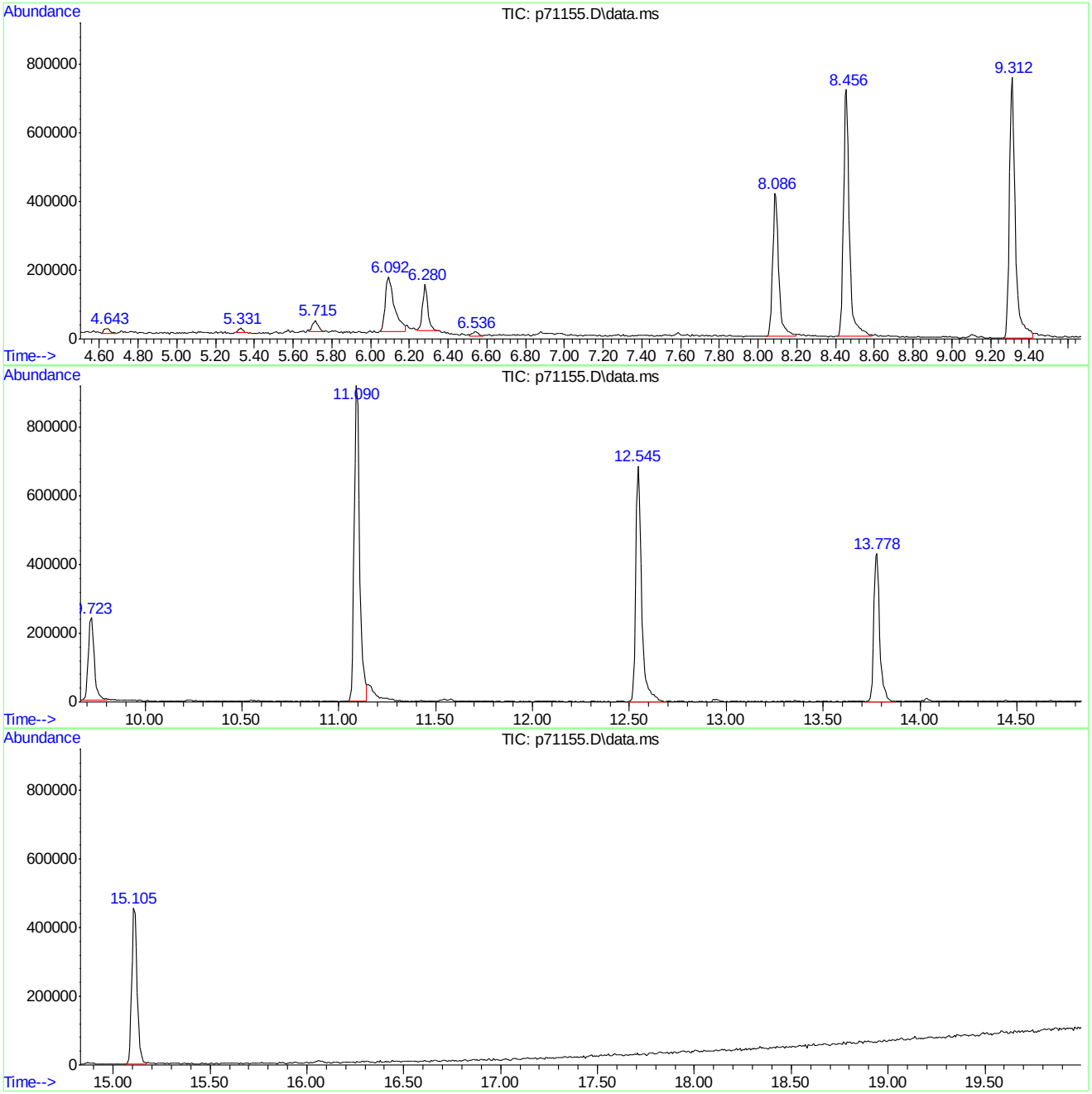
Sum of corrected areas: 10479271

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\P130820\
Data File : p71155.D
Acq On : 20 Aug 2013 3:59 pm
Operator : krystend
Sample : mc23456-3
Misc : ms29678,msp2328,4.818,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\P130820\
Data File : p71155.D
Acq On : 20 Aug 2013 3:59 pm
Operator : krystend
Sample : mc23456-3
Misc : ms29678,msp2328,4.818,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\P130820\
Data File : p71155.D
Acq On : 20 Aug 2013 3:59 pm
Operator : krystend
Sample : mc23456-3
Misc : ms29678,msp2328,4.818,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130517.D
Acq On : 15 Aug 2013 10:34 am
Operator : jaimem
Sample : mb
Misc : MS29655,MSG5089,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 15 11:23:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

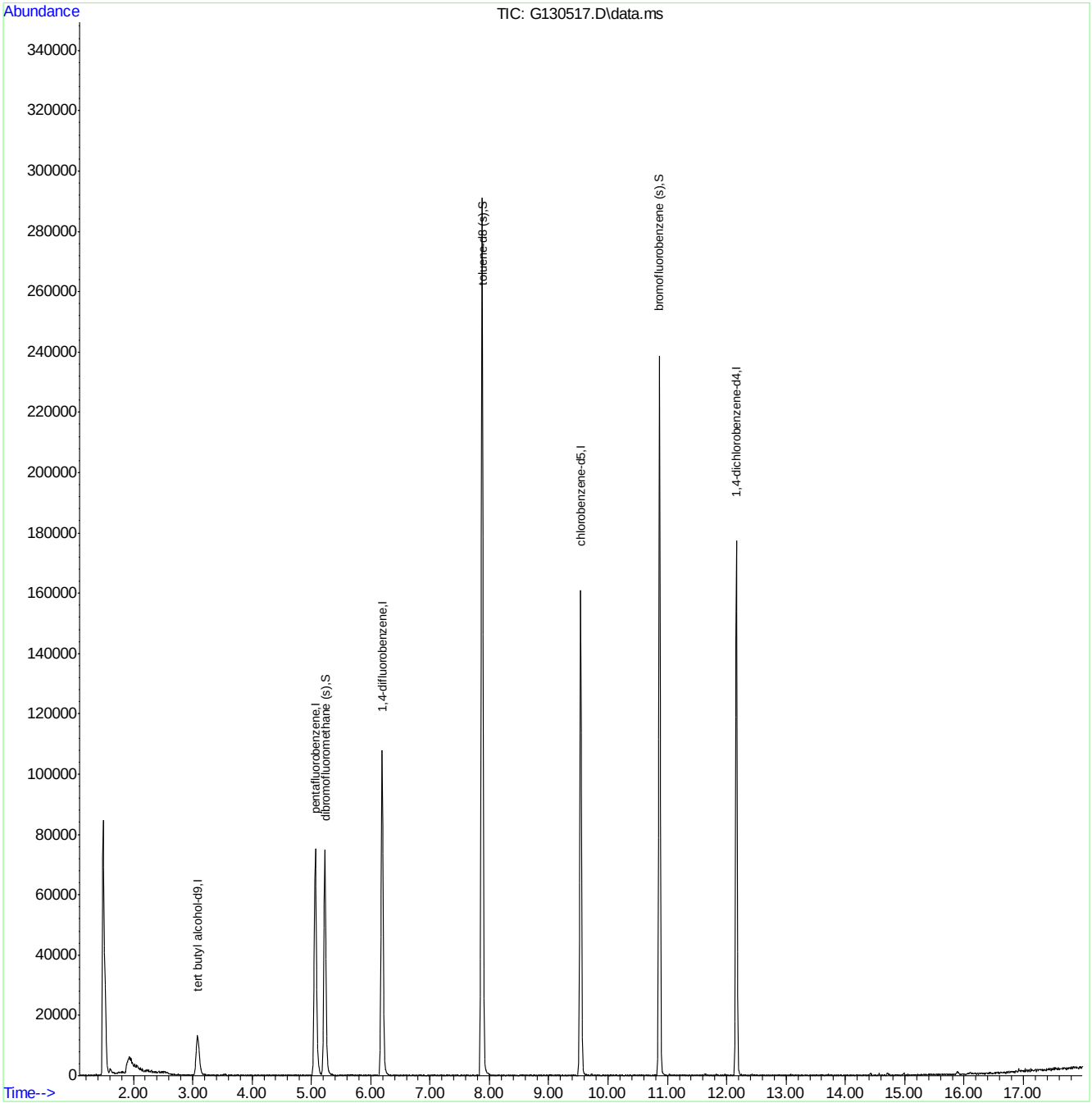
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.088	65	28579	500.00	ppb	0.00
4) pentafluorobenzene	5.071	168	74868	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.195	114	121368	50.00	ppb	0.00
66) chlorobenzene-d5	9.538	82	58930	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.163	152	53848	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	5.231	113	61620	52.51	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.02%			
60) toluene-d8 (s)	7.878	98	251014	52.37	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.74%			
82) bromofluorobenzene (s)	10.867	95	94228	52.90	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.80%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130517.D
Acq On : 15 Aug 2013 10:34 am
Operator : jaimem
Sample : mb
Misc : MS29655,MSG5089,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 15 11:23:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130517.D
Acq On : 15 Aug 2013 10:34 am
Operator : jaimem
Sample : mb
Misc : MS29663tic,MSG5089,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\g130628s.m
Title : SW-846 Method 8260

Signal : TIC: G130517.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.068	1386	1430	1466	rBV2	75257	203166	32.41%	8.737%
2	5.227	1466	1487	1541	rVB2	74865	190308	30.36%	8.184%
3	6.192	1801	1834	1901	rVB3	107673	259656	41.43%	11.167%
4	7.877	2401	2440	2496	rVB	291143	626795	100.00%	26.956%
5	9.537	3011	3037	3086	rVB2	160868	313434	50.01%	13.480%
6	10.867	3486	3515	3561	rVB2	238853	417998	66.69%	17.977%
7	12.163	3961	3981	4036	rBV2	177344	313881	50.08%	13.499%

Sum of corrected areas: 2325238

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130565.D
Acq On : 16 Aug 2013 10:08 am
Operator : jaimem
Sample : mb
Misc : MS29663,MSG5090,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 16 11:17:19 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

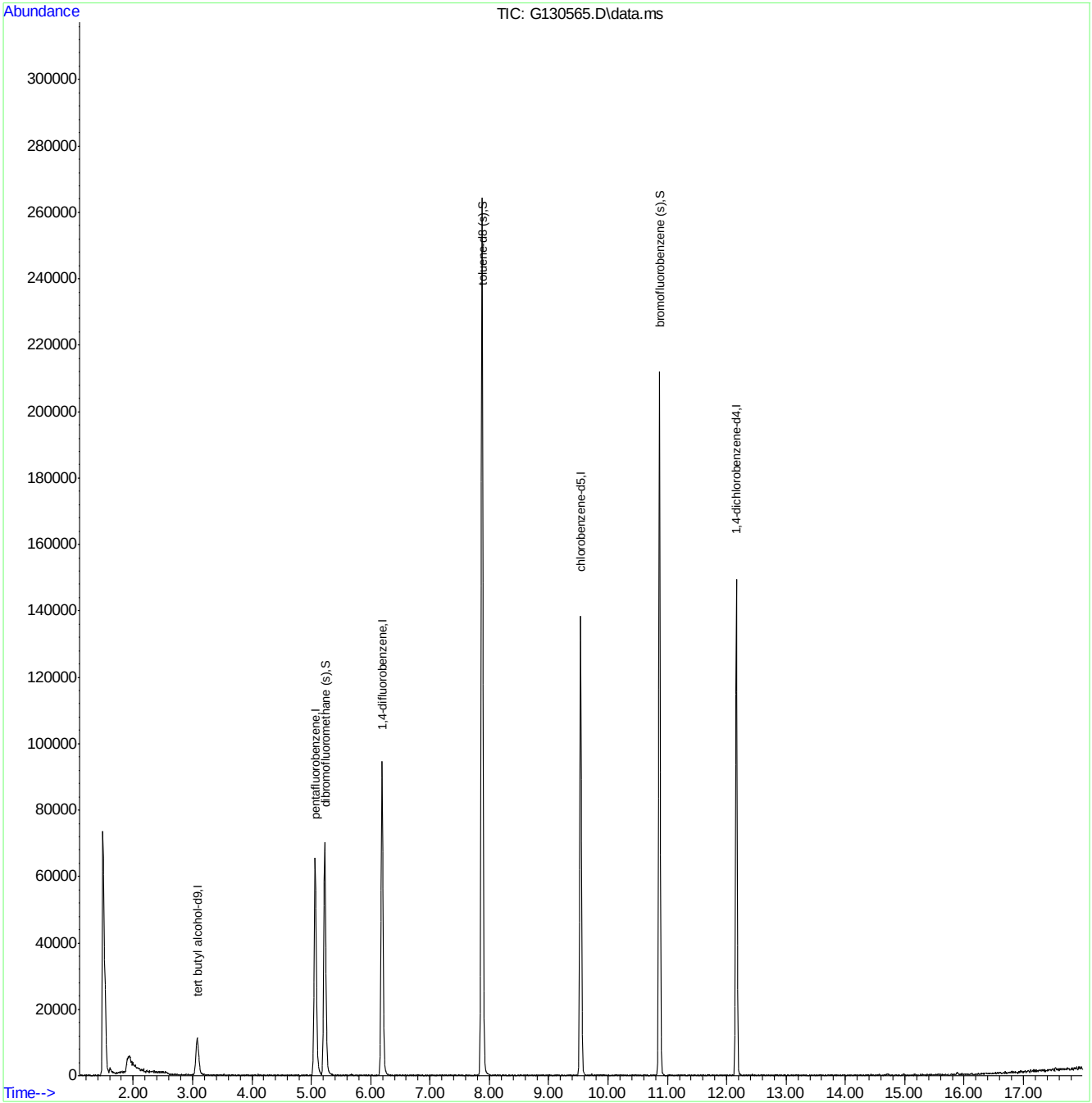
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.083	65	22231	500.00	ppb	0.00
4) pentafluorobenzene	5.070	168	63886	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.195	114	103437	50.00	ppb	0.00
66) chlorobenzene-d5	9.539	82	51050	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.162	152	44872	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	5.231	113	57258	57.18	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 114.36%			
60) toluene-d8 (s)	7.879	98	227478	55.69	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.38%			
82) bromofluorobenzene (s)	10.868	95	83900	56.52	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 113.04%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130565.D
Acq On : 16 Aug 2013 10:08 am
Operator : jaimem
Sample : mb
Misc : MS29663,MSG5090,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 16 11:17:19 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130816\
Data File : p71082.D
Acq On : 16 Aug 2013 12:59 pm
Operator : krystend
Sample : mb
Misc : ms29669,msp2328,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 16 17:11:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

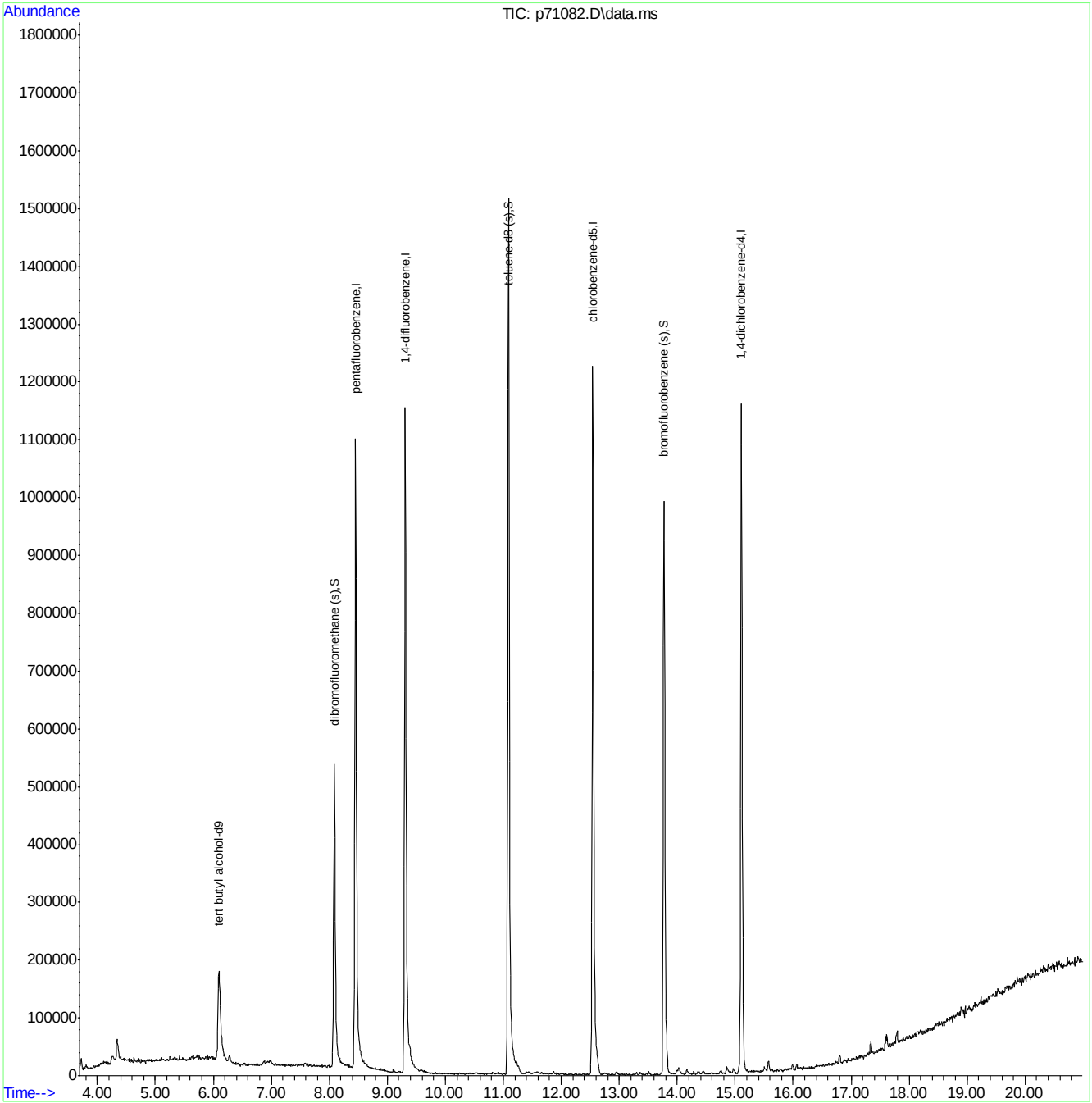
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.098	65	301248	500.00	ug/kg	0.02
4) pentafluorobenzene	8.456	168	697527	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.312	114	875595	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	515305	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	284804	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.092	113	327948	46.71	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 93.42%#			
60) toluene-d8 (s)	11.090	98	1125786	46.41	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 92.82%#			
82) bromofluorobenzene (s)	13.771	95	383180	53.58	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 107.16%#			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130816\
Data File : p71082.D
Acq On : 16 Aug 2013 12:59 pm
Operator : krystend
Sample : mb
Misc : ms29669,msp2328,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 16 17:11:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\data\P130816\
Data File : p71082.D
Acq On : 16 Aug 2013 12:59 pm
Operator : krystend
Sample : mb
Misc : ms29683tic,msp2328,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\P130805S.M
Title : SW-846 Method 8260

Signal : TIC: p71082.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.098	349	358	371	rBV2	154581	508658	16.55%	3.095%
2	8.086	647	653	669	rBV	522851	1155087	37.59%	7.029%
3	8.456	701	708	726	rBV	1086338	2339509	76.13%	14.237%
4	9.312	827	835	851	rBV	1150753	2499805	81.35%	15.213%
5	11.090	1092	1099	1117	rBV	1515889	3072994	100.00%	18.701%
6	12.545	1308	1315	1334	rBV	1223288	2494564	81.18%	15.181%
7	13.771	1491	1497	1510	rBV	989859	1940756	63.16%	11.810%
8	15.105	1685	1695	1709	rBV	1158893	2252891	73.31%	13.710%
9	15.576	1760	1765	1770	rVV5	17845	33985	1.11%	0.207%
10	17.341	2022	2027	2030	rBV7	23429	41518	1.35%	0.253%
11	17.611	2061	2067	2072	rBV9	25401	59437	1.93%	0.362%
12	17.793	2090	2094	2097	rBV6	21400	33344	1.09%	0.203%

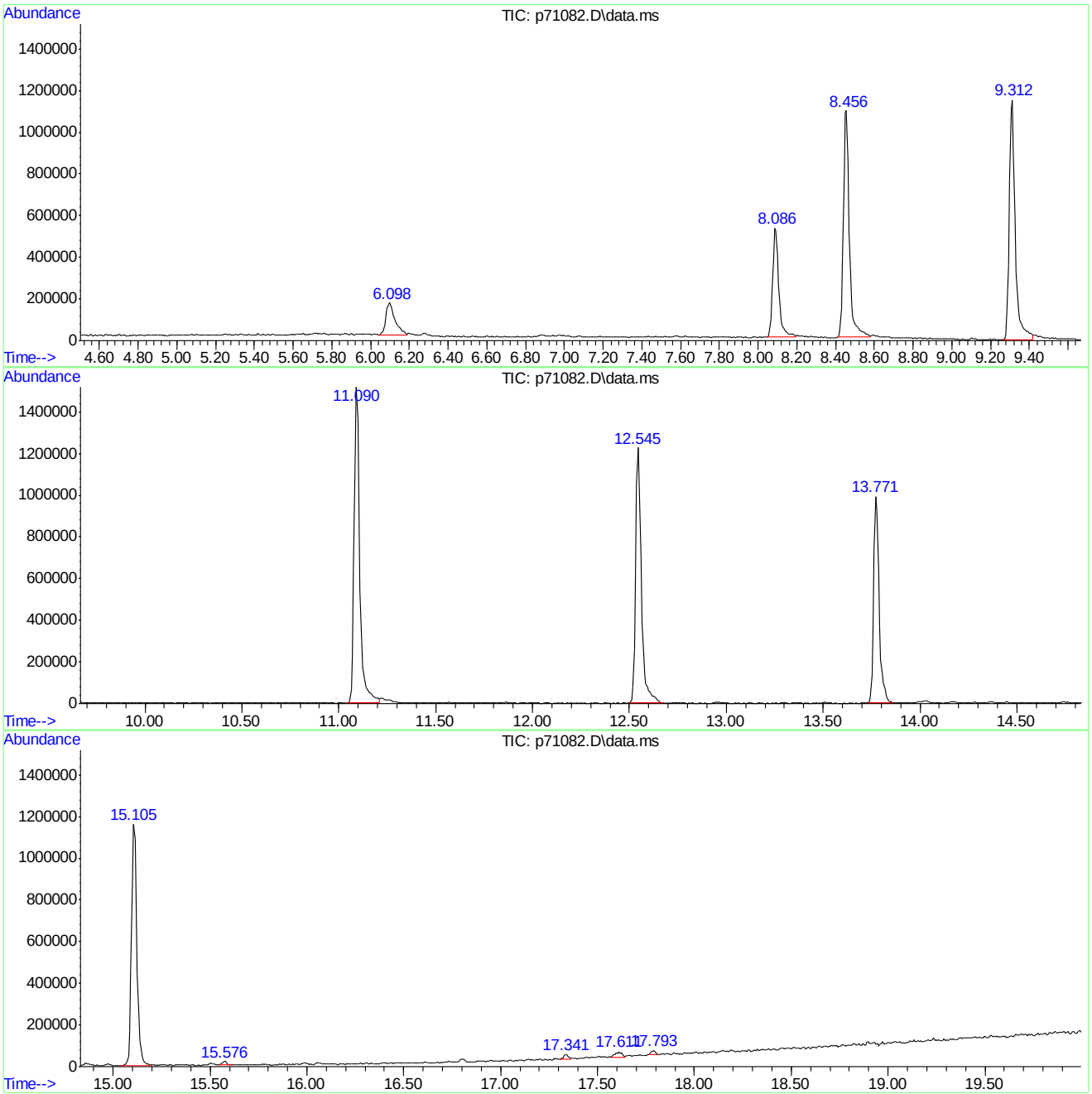
Sum of corrected areas: 16432548

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\P130816\
Data File : p71082.D
Acq On : 16 Aug 2013 12:59 pm
Operator : krystend
Sample : mb
Misc : ms29683tic,msp2328,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\P130816\
Data File : p71082.D
Acq On : 16 Aug 2013 12:59 pm
Operator : krystend
Sample : mb
Misc : ms29683tic,msp2328,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\P130816\
Data File : p71082.D
Acq On : 16 Aug 2013 12:59 pm
Operator : krystend
Sample : mb
Misc : ms29683tic,msp2328,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130820\
Data File : p71146.D
Acq On : 20 Aug 2013 11:48 am
Operator : krystend
Sample : mb1
Misc : ms29678,msp2328,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 12:16:20 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

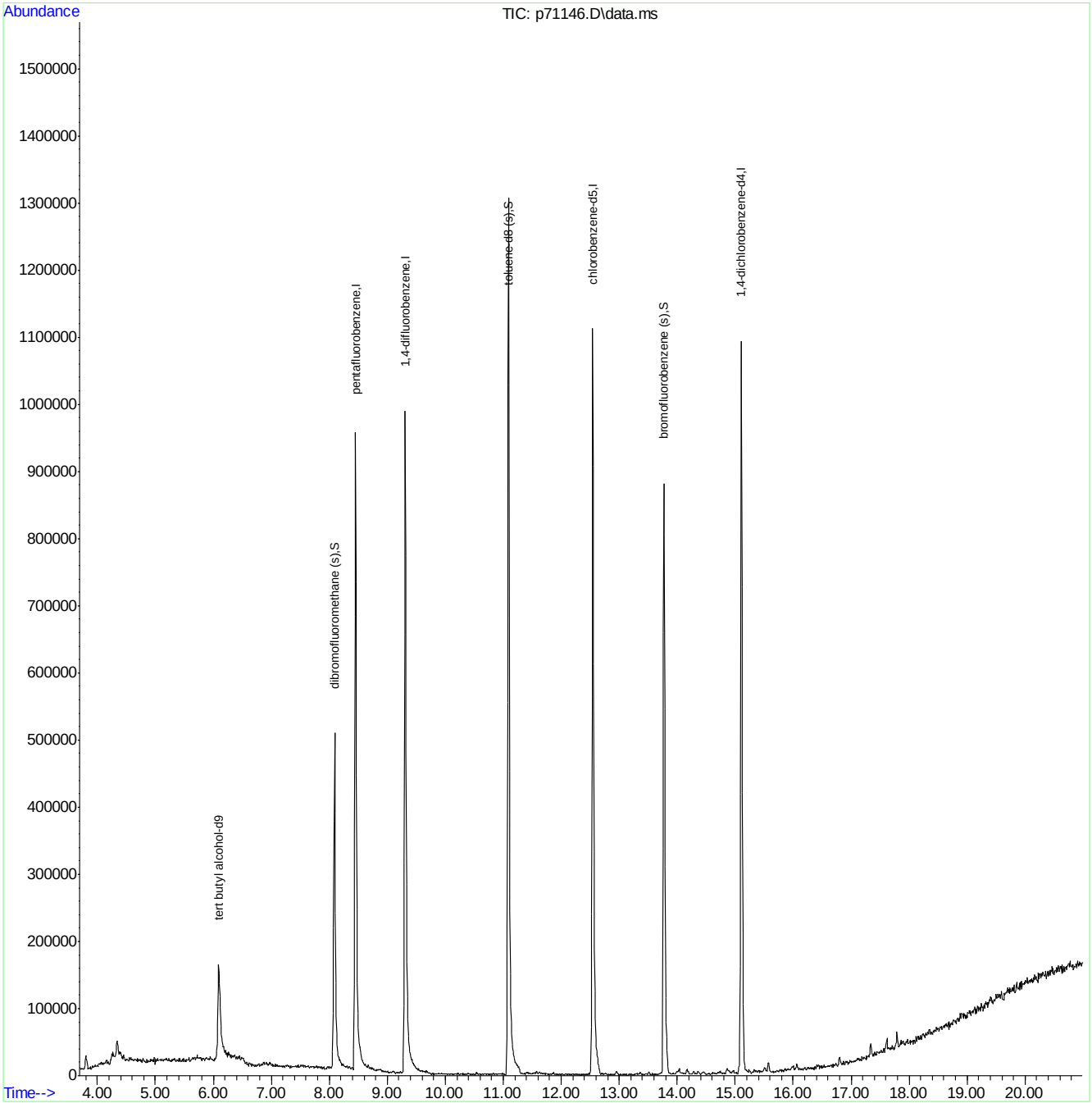
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.092	65	247713	500.00	ug/kg	0.01
4) pentafluorobenzene	8.456	168	640148	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.312	114	804485	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	416026	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	300825	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.092	113	323105	50.15	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 100.30%#			
60) toluene-d8 (s)	11.090	98	940675	42.21	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 84.42%#			
82) bromofluorobenzene (s)	13.771	95	315597	41.78	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 83.56%#			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130820\
Data File : p71146.D
Acq On : 20 Aug 2013 11:48 am
Operator : krystend
Sample : mb1
Misc : ms29678,msp2328,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 12:16:20 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23456

LSC Area Percent Report

Data Path : C:\msdchem\1\data\P130820\
Data File : p71146.D
Acq On : 20 Aug 2013 11:48 am
Operator : krystend
Sample : mb1
Misc : ms29678,msp2328,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\P130805S.M
Title : SW-846 Method 8260

Signal : TIC: p71146.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.092	350	357	369	rBV2	138791	433539	16.61%	3.006%
2	8.092	647	654	666	rBV	498234	1071533	41.04%	7.430%
3	8.449	701	707	731	rBV	950364	2076333	79.53%	14.398%
4	9.312	828	835	851	rBV	984253	2129263	81.56%	14.765%
5	11.090	1092	1099	1116	rBV	1305614	2610808	100.00%	18.104%
6	12.545	1306	1315	1336	rVB	1110923	2230417	85.43%	15.466%
7	13.771	1491	1497	1510	rBV	878091	1676920	64.23%	11.628%
8	15.105	1685	1695	1708	rBV	1091311	2102412	80.53%	14.579%
9	15.577	1760	1765	1774	rVB2	14164	29642	1.14%	0.206%
10	17.335	2023	2026	2032	rVB6	18679	32343	1.24%	0.224%
11	17.786	2091	2093	2098	rVB4	22217	27946	1.07%	0.194%

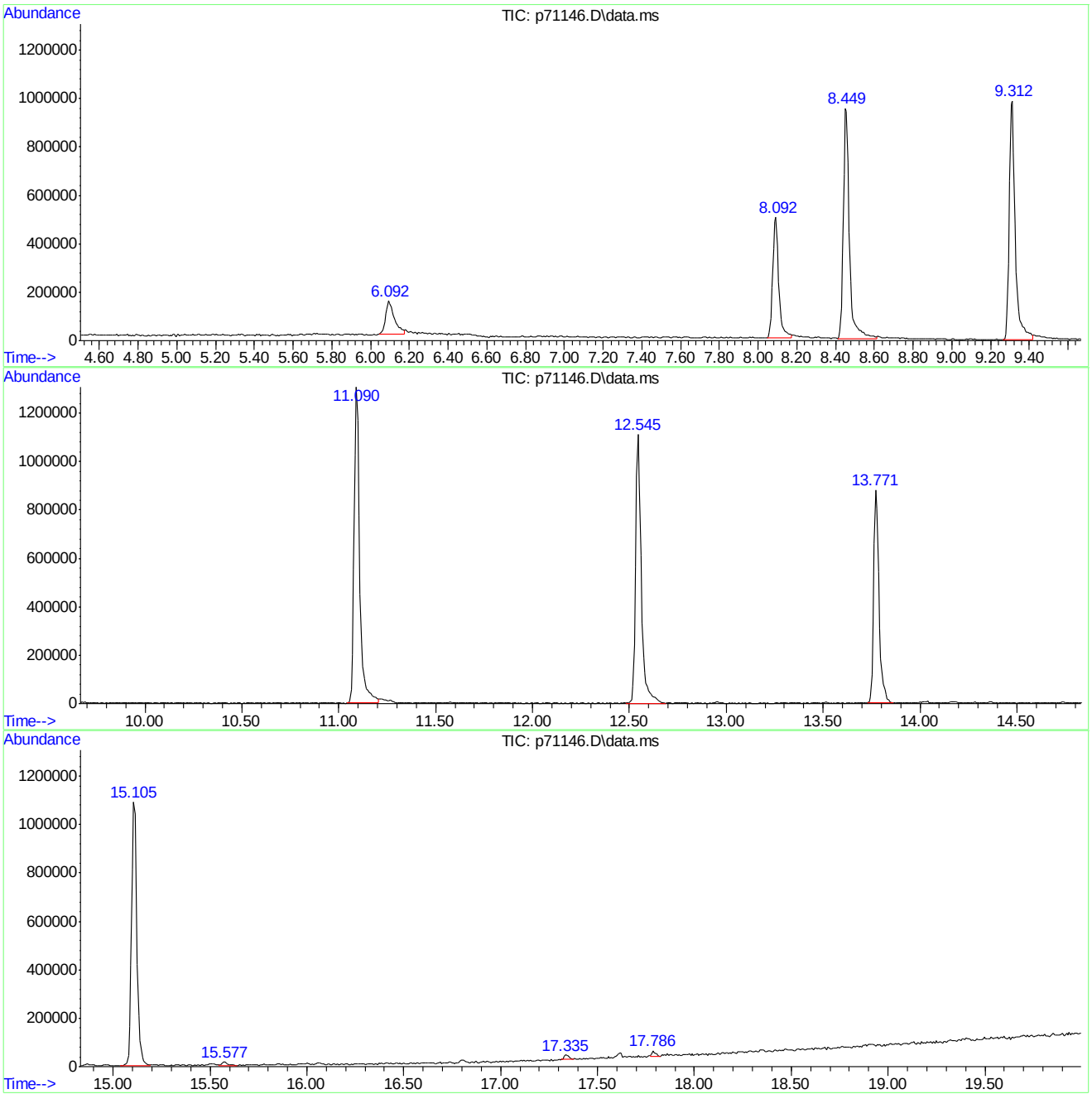
Sum of corrected areas: 14421156

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\P130820\
Data File : p71146.D
Acq On : 20 Aug 2013 11:48 am
Operator : krystend
Sample : mb1
Misc : ms29678,msp2328,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\P130820\
Data File : p71146.D
Acq On : 20 Aug 2013 11:48 am
Operator : krystend
Sample : mb1
Misc : ms29678,msp2328,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\P130820\
Data File : p71146.D
Acq On : 20 Aug 2013 11:48 am
Operator : krystend
Sample : mb1
Misc : ms29678,msp2328,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

7.2.7

7

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/15/13 14:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130514.D
Acq On : 15 Aug 2013 9:11 am
Operator : jaimem
Sample : bs
Misc : MS29655,MSG5089,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 09:32:13 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.083	65	31110	500.00	ppb		0.00
4) pentafluorobenzene	5.070	168	78690	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	127723	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	62924	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	60036	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	65085	52.76	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.52%				
60) toluene-d8 (s)	7.878	98	259456	51.44	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.88%				
82) bromofluorobenzene (s)	10.867	95	100634	50.67	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.34%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.159	59	52702	560.32	ppb		95
3) Ethanol	2.448	45	43107	4823.52	ppb		98
5) dichlorodifluoromethane	1.648	85	61634m	50.20	ppb		
6) chloromethane	1.826	50	54605	51.05	ppb		97
7) vinyl chloride	1.912	62	13121	42.36	ppb		95
8) bromomethane	2.277	96	38299	62.94	ppb		100
9) chloroethane	2.337	64	29724	55.65	ppb		81
10) ethyl ether	2.785	59	50166	47.78	ppb		75
11) acetonitrile	3.417	41	93136	45.27	ppb		94
12) trichlorofluoromethane	2.608	101	104458	59.33	ppb		98
13) freon-113	2.932	101	79353	59.52	ppb		95
14) acrolein	2.904	56	37358	328.35	ppb		98
15) 1,1-dichloroethene	3.095	96	73066	55.32	ppb		84
16) acetone	2.962	58	8670	42.29	ppb	#	61
17) Methyl Acetate	3.372	43	49997	33.68	ppb	#	77
18) methylene chloride	3.534	84	73339	46.84	ppb	#	76
19) methyl tert butyl ether	3.662	73	176142	47.64	ppb		92
20) acrylonitrile	3.635	53	22281	44.85	ppb		94
21) allyl chloride	3.417	41	93136	44.97	ppb		79
22) trans-1,2-dichloroethene	3.800	96	70485	52.28	ppb		88
23) iodomethane	3.386	142	119640	53.53	ppb		91
24) carbon disulfide	3.593	76	213710	54.90	ppb		98
25) propionitrile	4.719	54	7953	43.82	ppb		100
26) vinyl acetate	4.209	43	95592	48.08	ppb		96
27) chloroprene	4.311	53	100949	51.70	ppb		80
28) di-isopropyl ether	4.093	45	197808	42.17	ppb		92
29) methacrylonitrile	4.930	41	41607	42.18	ppb		63
30) 2-butanone	4.639	72	7612	44.80	ppb	#	63
31) Ethyl Acetate	4.808	43	43399	89.82	ug/L	#	100
32) Hexane	3.849	41	66759	55.35	ppb	#	87
33) 1,1-dichloroethane	4.217	63	119892	50.05	ppb		97
34) tert-butyl ethyl ether	4.505	59	192872	46.74	ppb		93
35) isobutyl alcohol	4.958	43	13967	223.67	ppb		83
36) 2,2-dichloropropane	4.792	77	70026	64.70	ppb		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130514.D
Acq On : 15 Aug 2013 9:11 am
Operator : jaimem
Sample : bs
Misc : MS29655,MSG5089,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 09:32:13 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.834	96	75538	50.67	ppb		85
38)	bromochloromethane	5.175	128	35822	53.78	ppb	#	80
39)	chloroform	5.000	83	119195	50.99	ppb		98
41)	Tetrahydrofuran	5.218	42	14711	41.99	ppb		83
42)	1,1,1-trichloroethane	5.433	97	99065	52.33	ppb		91
44)	Cyclohexane	5.449	56	117727	49.02	ppb	#	79
45)	carbon tetrachloride	5.710	117	94056	59.66	ppb		98
46)	1,1-dichloropropene	5.595	75	99543	55.81	ppb		96
47)	benzene	5.894	78	277556	50.02	ppb		100
48)	1,2-dichloroethane	5.875	62	86464	51.10	ppb		98
49)	tert-amyl methyl ether	5.723	73	184724	50.56	ppb		89
50)	heptane	5.742	43	139706	49.18	ppb		77
51)	trichloroethene	6.562	95	75464	51.29	ppb		86
52)	1,2-dichloropropane	6.759	63	69094	48.77	ppb		98
53)	dibromomethane	7.076	93	41948	53.03	ppb		93
54)	bromodichloromethane	7.018	83	83009	53.54	ppb		99
55)	Methylcyclohexane	6.630	83	125541	56.50	ppb	#	81
56)	2-chloroethyl vinyl ether	7.348	63	6531	24.11	ppb		93
57)	methyl methacrylate	6.817	69	40291	47.17	ppb	#	66
58)	1,4-dioxane	7.054	88	3791	270.36	ppb		68
59)	cis-1,3-dichloropropene	7.610	75	110061	50.93	ppb		96
61)	4-methyl-2-pentanone	7.380	43	53525	38.02	ppb		76
62)	toluene	7.965	92	180191	53.79	ppb		99
63)	trans-1,3-dichloropropene	8.162	75	97585	56.34	ppb		95
64)	1,1,2-trichloroethane	8.336	83	50299	50.94	ppb		92
65)	ethyl methacrylate	8.149	69	76554	47.32	ppb	#	73
67)	tetrachloroethene	8.678	166	79360	60.15	ppb		99
68)	1,3-dichloropropane	8.612	76	101182	54.14	ppb		100
69)	dibromochloromethane	8.905	129	62211	55.18	ppb		96
70)	1,2-dibromoethane	9.124	107	62339	55.65	ppb		98
71)	2-hexanone	8.343	43	38719	44.04	ppb		93
72)	chlorobenzene	9.581	112	206059	58.74	ppb		93
73)	1,1,1,2-tetrachloroethane	9.627	131	67674	59.11	ppb		99
74)	ethylbenzene	9.635	91	349124	54.66	ppb		95
75)	m,p-xylene	9.720	106	269928	115.37	ppb		94
76)	o-xylene	10.199	106	131378	58.39	ppb		87
77)	styrene	10.237	104	215080	53.75	ppb		94
78)	bromoform	10.611	173	34910	53.83	ppb		98
79)	trans-1,4-dichloro-2-b...	10.644	53	19832	52.70	ppb		76
81)	isopropylbenzene	10.590	105	345108	59.63	ppb		97
83)	bromobenzene	11.080	156	86298	56.02	ppb		89
84)	1,1,2,2-tetrachloroethane	10.782	83	72152	50.92	ppb		95
85)	1,2,3-trichloropropane	10.942	75	56484	49.92	ppb		98
86)	n-propylbenzene	11.029	91	400440	58.62	ppb		95
87)	2-chlorotoluene	11.224	91	271512	56.38	ppb		90
88)	4-chlorotoluene	11.277	91	244883	58.44	ppb		91
89)	1,3,5-trimethylbenzene	11.203	105	285235	54.06	ppb		99
90)	tert-butylbenzene	11.598	91	186455	56.03	ppb		86
91)	1,2,4-trimethylbenzene	11.633	105	286726	53.70	ppb		96
92)	sec-butylbenzene	11.825	105	349960	58.89	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130514.D
Acq On : 15 Aug 2013 9:11 am
Operator : jaimem
Sample : bs
Misc : MS29655,MSG5089,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 09:32:13 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

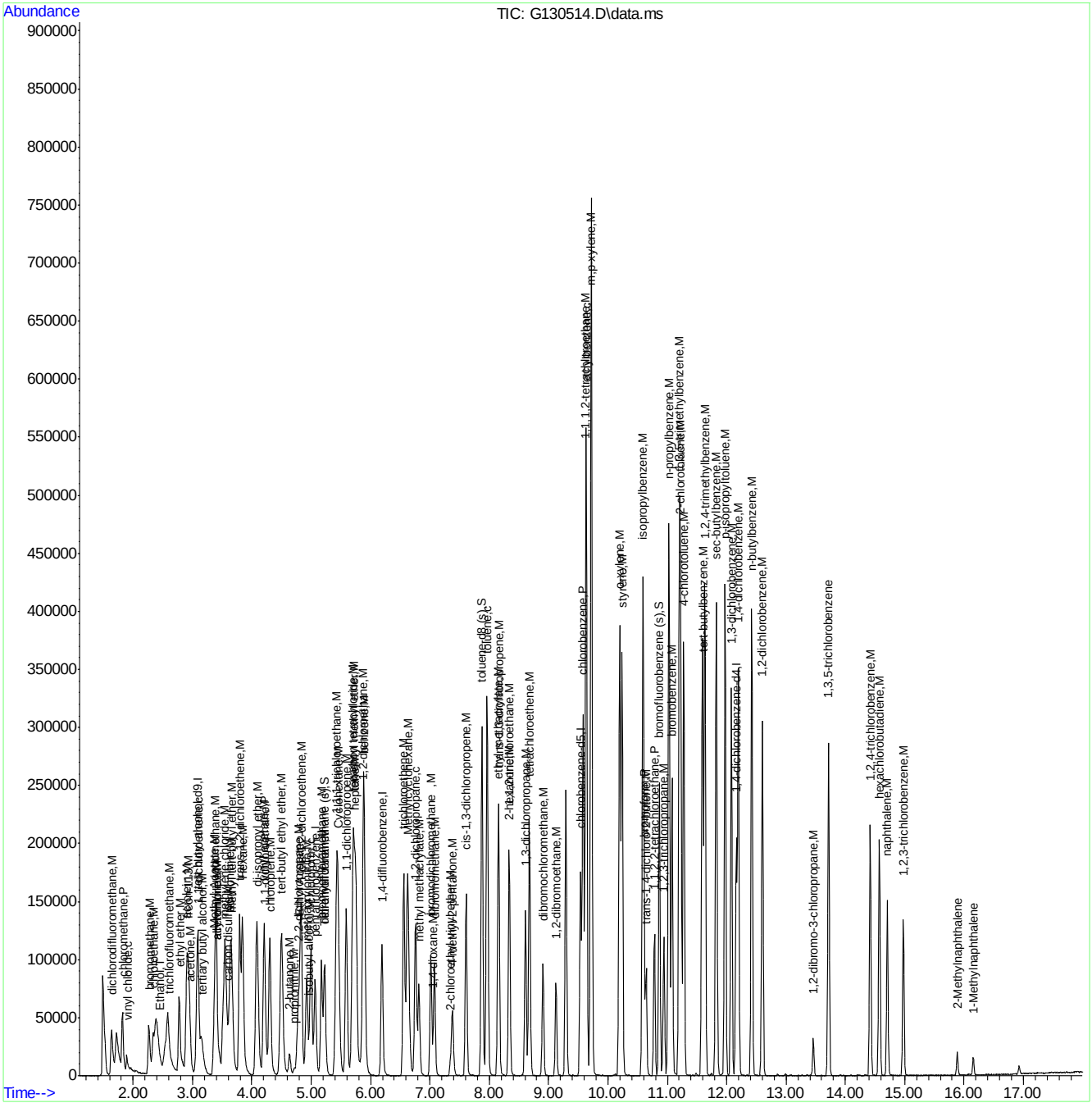
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	159577	58.05	ppb		95
94)	p-isopropyltoluene	11.975	119	291609	58.31	ppb		97
95)	1,4-dichlorobenzene	12.197	146	162421	53.68	ppb		98
96)	1,2-dichlorobenzene	12.602	146	148932	56.36	ppb		96
97)	n-butylbenzene	12.423	91	266713	54.08	ppb		95
98)	1,2-dibromo-3-chloropr...	13.460	75	8757	40.83	ppb	#	68
99)	1,3,5-trichlorobenzene	13.718	180	102568	53.06	ug/L		99
100)	1,2,4-trichlorobenzene	14.420	180	76620	46.32	ppb		100
101)	hexachlorobutadiene	14.573	225	48255	57.26	ppb		99
102)	naphthalene	14.708	128	137775	36.75	ppb		100
103)	2-Methylnaphthalene	15.888	142	10841	16.15	ug/L		98
104)	1-Methylnaphthalene	16.156	142	8292	13.85	ug/L		96
105)	1,2,3-trichlorobenzene	14.978	180	47945	34.39	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130514.D
Acq On : 15 Aug 2013 9:11 am
Operator : jaimem
Sample : bs
Misc : MS29655,MSG5089,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 09:32:13 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/15/13 14:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130515.D
Acq On : 15 Aug 2013 9:39 am
Operator : jaimem
Sample : bsd
Misc : MS29655,MSG5089,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 11:22:38 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.085	65	35900	500.00	ppb		0.00
4) pentafluorobenzene	5.071	168	89436	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	144259	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	70912	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	68305	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.231	113	62876	44.85	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.70%				
60) toluene-d8 (s)	7.878	98	249746	43.84	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.68%				
82) bromofluorobenzene (s)	10.868	95	97954	43.35	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 86.70%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.160	59	54506	502.18	ppb		99
3) Ethanol	2.452	45	44818	4345.84	ppb		100
5) dichlorodifluoromethane	1.645	85	53118m	38.06	ppb		
6) chloromethane	1.826	50	52236	42.96	ppb		94
7) vinyl chloride	1.911	62	12754	36.23	ppb		96
8) bromomethane	2.277	96	36025	52.09	ppb		92
9) chloroethane	2.338	64	27686	45.60	ppb		81
10) ethyl ether	2.787	59	50696	42.49	ppb		75
11) acetonitrile	3.419	41	90799	38.83	ppb		92
12) trichlorofluoromethane	2.611	101	98177	49.06	ppb		92
13) freon-113	2.933	101	73840	48.73	ppb		90
14) acrolein	2.905	56	37033	286.39	ppb		97
15) 1,1-dichloroethene	3.098	96	68777	45.82	ppb		91
16) acetone	2.963	58	8408	35.82	ppb	#	76
17) Methyl Acetate	3.375	43	51370	30.45	ppb	#	82
18) methylene chloride	3.535	84	70262	39.49	ppb	#	79
19) methyl tert butyl ether	3.662	73	175967	41.87	ppb		91
20) acrylonitrile	3.635	53	22874	40.51	ppb		91
21) allyl chloride	3.419	41	90799	38.58	ppb		78
22) trans-1,2-dichloroethene	3.801	96	66472	43.38	ppb		88
23) iodomethane	3.387	142	114995	45.27	ppb		94
24) carbon disulfide	3.595	76	202069	45.67	ppb		100
25) propionitrile	4.719	54	8148	39.50	ppb		100
26) vinyl acetate	4.208	43	94669	43.26	ppb		97
27) chloroprene	4.308	53	94519	42.59	ppb		76
28) di-isopropyl ether	4.093	45	192972	36.20	ppb		89
29) methacrylonitrile	4.930	41	42311	37.74	ppb		66
30) 2-butanone	4.639	72	8099	41.94	ppb	#	48
31) Ethyl Acetate	4.808	43	43388	79.01	ug/L	#	98
32) Hexane	3.848	41	61558	44.91	ppb	#	92
33) 1,1-dichloroethane	4.218	63	115223	42.32	ppb		98
34) tert-butyl ethyl ether	4.505	59	190216	40.56	ppb		92
35) isobutyl alcohol	4.957	43	14258	199.53	ppb		87
36) 2,2-dichloropropane	4.791	77	64214	52.20	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130515.D
Acq On : 15 Aug 2013 9:39 am
Operator : jaimem
Sample : bsd
Misc : MS29655,MSG5089,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 11:22:38 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.834	96	72597	42.84	ppb		85
38)	bromochloromethane	5.176	128	34848	46.03	ppb	#	81
39)	chloroform	5.000	83	114657	43.15	ppb		96
41)	Tetrahydrofuran	5.218	42	14565	36.58	ppb		67
42)	1,1,1-trichloroethane	5.433	97	94465	43.90	ppb		91
44)	Cyclohexane	5.449	56	111375	41.06	ppb	#	81
45)	carbon tetrachloride	5.710	117	89221	50.11	ppb		92
46)	1,1-dichloropropene	5.595	75	93953	46.64	ppb		96
47)	benzene	5.894	78	265666	42.39	ppb		98
48)	1,2-dichloroethane	5.875	62	83994	43.95	ppb		97
49)	tert-amyl methyl ether	5.723	73	182921	44.33	ppb		88
50)	heptane	5.742	43	133906	41.74	ppb		82
51)	trichloroethene	6.562	95	72589	43.68	ppb		91
52)	1,2-dichloropropane	6.759	63	66988	41.86	ppb		96
53)	dibromomethane	7.077	93	41401	46.34	ppb		93
54)	bromodichloromethane	7.018	83	80342	45.88	ppb		99
55)	Methylcyclohexane	6.630	83	117256	46.72	ppb	#	78
56)	2-chloroethyl vinyl ether	7.349	63	6480	22.22	ppb		94
57)	methyl methacrylate	6.817	69	40454	41.93	ppb	#	68
58)	1,4-dioxane	7.055	88	3908	246.76	ppb	#	60
59)	cis-1,3-dichloropropene	7.611	75	106946	43.82	ppb		95
61)	4-methyl-2-pentanone	7.380	43	54929	34.55	ppb		77
62)	toluene	7.965	92	171705	45.38	ppb		99
63)	trans-1,3-dichloropropene	8.162	75	96066	49.11	ppb		97
64)	1,1,2-trichloroethane	8.336	83	49629	44.50	ppb		92
65)	ethyl methacrylate	8.149	69	77918	42.64	ppb	#	70
67)	tetrachloroethene	8.678	166	76269	51.29	ppb		98
68)	1,3-dichloropropane	8.612	76	98616	46.82	ppb		97
69)	dibromochloromethane	8.905	129	61968	49.24	ppb		99
70)	1,2-dibromoethane	9.124	107	62781	49.73	ppb		96
71)	2-hexanone	8.343	43	39131	39.49	ppb		94
72)	chlorobenzene	9.581	112	198913	50.31	ppb		93
73)	1,1,1,2-tetrachloroethane	9.627	131	66566	51.59	ppb		97
74)	ethylbenzene	9.636	91	335160	46.56	ppb		96
75)	m,p-xylene	9.720	106	262090	99.40	ppb		95
76)	o-xylene	10.199	106	126387	49.84	ppb		90
77)	styrene	10.237	104	207296	45.97	ppb		93
78)	bromoform	10.611	173	34898	48.32	ppb		98
79)	trans-1,4-dichloro-2-b...	10.644	53	20126	47.45	ppb		86
81)	isopropylbenzene	10.590	105	328955	49.96	ppb		98
83)	bromobenzene	11.080	156	82985	47.34	ppb		89
84)	1,1,2,2-tetrachloroethane	10.782	83	72798	45.16	ppb		96
85)	1,2,3-trichloropropane	10.942	75	57718	44.84	ppb		99
86)	n-propylbenzene	11.029	91	383767	49.38	ppb		93
87)	2-chlorotoluene	11.224	91	259322	47.33	ppb		92
88)	4-chlorotoluene	11.277	91	237532	49.82	ppb		91
89)	1,3,5-trimethylbenzene	11.203	105	273336	45.54	ppb		98
90)	tert-butylbenzene	11.598	91	177293	46.83	ppb		86
91)	1,2,4-trimethylbenzene	11.633	105	275612	45.37	ppb		98
92)	sec-butylbenzene	11.825	105	334479	49.47	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130515.D
Acq On : 15 Aug 2013 9:39 am
Operator : jaimem
Sample : bsd
Misc : MS29655,MSG5089,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 11:22:38 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

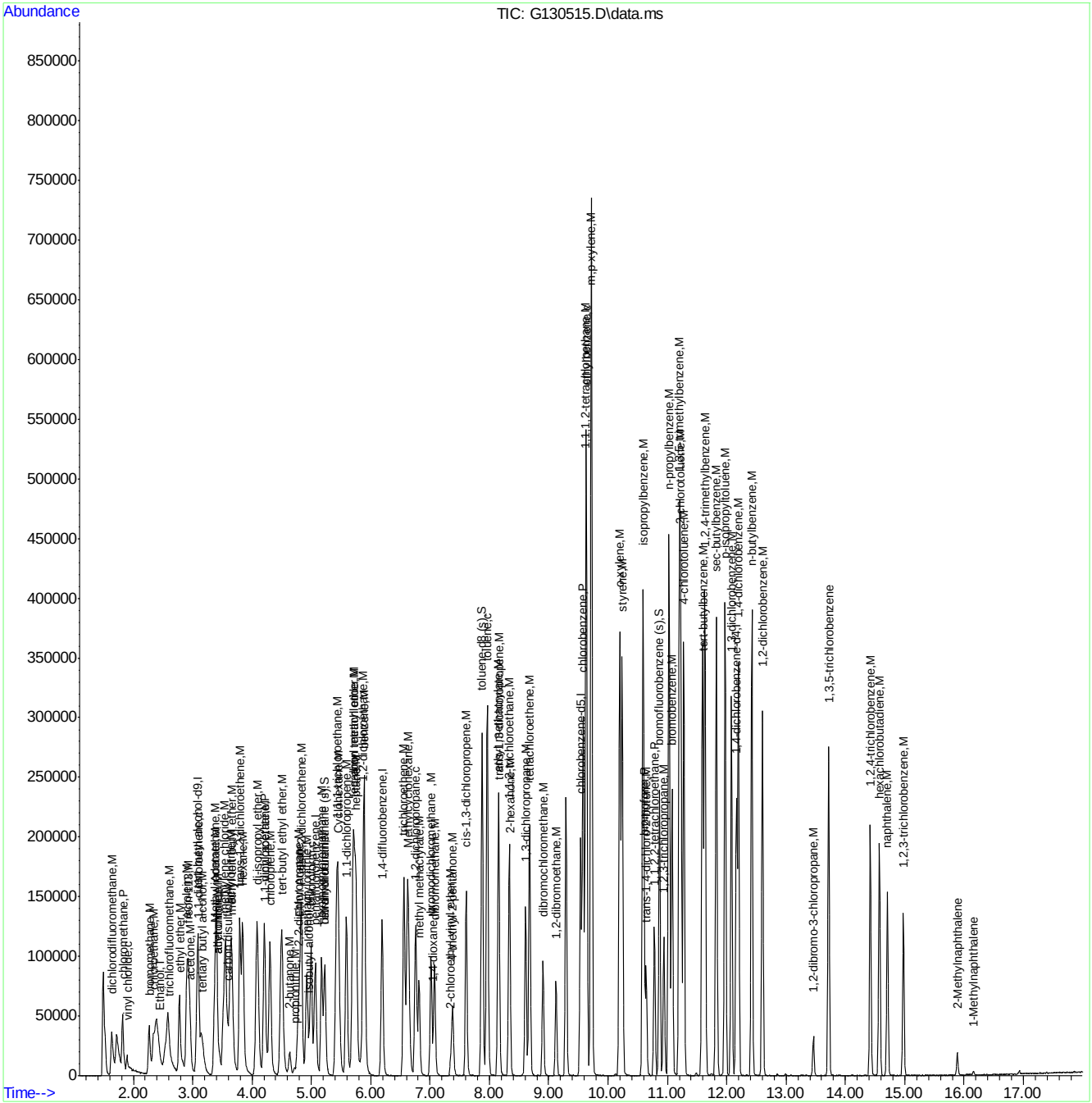
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	154799	49.49	ppb	96
94)	p-isopropyltoluene	11.974	119	276681	48.63	ppb	97
95)	1,4-dichlorobenzene	12.197	146	158996	46.18	ppb	97
96)	1,2-dichlorobenzene	12.602	146	146247	48.64	ppb	97
97)	n-butylbenzene	12.423	91	254354	45.33	ppb	94
98)	1,2-dibromo-3-chloropr...	13.461	75	9215	37.77	ppb	76
99)	1,3,5-trichlorobenzene	13.718	180	99270	45.14	ug/L	99
100)	1,2,4-trichlorobenzene	14.420	180	75323	40.02	ppb	100
101)	hexachlorobutadiene	14.574	225	45960	47.94	ppb	98
102)	naphthalene	14.708	128	138787	32.54	ppb	100
103)	2-Methylnaphthalene	15.888	142	10412	14.86	ug/L	98
104)	1-Methylnaphthalene	16.156	142	1794m	6.52	ug/L	
105)	1,2,3-trichlorobenzene	14.978	180	47557	29.98	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130515.D
Acq On : 15 Aug 2013 9:39 am
Operator : jaimem
Sample : bsd
Misc : MS29655,MSG5089,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 11:22:38 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
08/28/13 12:57

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130562.D
Acq On : 16 Aug 2013 8:44 am
Operator : jaimem
Sample : bs
Misc : MS29663,MSG5090,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 16 09:07:24 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.084	65	27929	500.00	ppb		0.00
4) pentafluorobenzene	5.071	168	72639	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	116802	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	57712	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	54983	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	58601	51.47	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.94%				
60) toluene-d8 (s)	7.878	98	230938	50.07	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.14%				
82) bromofluorobenzene (s)	10.867	95	89220	49.05	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.10%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.160	59	46283	548.12	ppb		96
3) Ethanol	2.441	45	39530	4927.05	ppb		100
5) dichlorodifluoromethane	1.647	85	48280m	42.60	ppb		
6) chloromethane	1.824	50	47404	48.01	ppb		99
7) vinyl chloride	1.913	62	12705	44.43	ppb		98
8) bromomethane	2.276	96	35446	63.11	ppb		93
9) chloroethane	2.338	64	27345	55.46	ppb		86
10) ethyl ether	2.783	59	43689	45.08	ppb		78
11) acetonitrile	3.420	41	85572	45.06	ppb		90
12) trichlorofluoromethane	2.609	101	96404	59.32	ppb		99
13) freon-113	2.933	101	71602	58.18	ppb		95
14) acrolein	2.904	56	32968	313.91	ppb		99
15) 1,1-dichloroethene	3.097	96	65452	53.69	ppb		95
16) acetone	2.961	58	7041	36.98	ppb		88
17) Methyl Acetate	3.375	43	46023	33.59	ppb	#	80
18) methylene chloride	3.535	84	64678	44.75	ppb	#	74
19) methyl tert butyl ether	3.662	73	155008	45.41	ppb		89
20) acrylonitrile	3.635	53	19928	43.46	ppb		94
21) allyl chloride	3.420	41	85572	44.76	ppb		75
22) trans-1,2-dichloroethene	3.800	96	63009	50.63	ppb		89
23) iodomethane	3.387	142	107401	52.06	ppb		91
24) carbon disulfide	3.597	76	189403	52.71	ppb		98
25) propionitrile	4.719	54	7134	42.59	ppb		100
26) vinyl acetate	4.209	43	83496	46.06	ppb		96
27) chloroprene	4.308	53	91547	50.79	ppb		81
28) di-isopropyl ether	4.093	45	175000	40.42	ppb		91
29) methacrylonitrile	4.930	41	37135	40.78	ppb		65
30) 2-butanone	4.638	72	6365	40.59	ppb	#	41
31) Ethyl Acetate	4.808	43	38253	85.76	ug/L	#	100
32) Hexane	3.849	41	59464	53.41	ppb	#	95
33) 1,1-dichloroethane	4.217	63	108976	49.28	ppb		97
34) tert-butyl ethyl ether	4.504	59	170313	44.71	ppb		92
35) isobutyl alcohol	4.957	43	11544	198.86	ppb		82
36) 2,2-dichloropropane	4.791	77	62792	62.85	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130562.D
Acq On : 16 Aug 2013 8:44 am
Operator : jaimem
Sample : bs
Misc : MS29663,MSG5090,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 16 09:07:24 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.834	96	67233	48.85	ppb		87
38)	bromochloromethane	5.176	128	31820	51.75	ppb	#	80
39)	chloroform	5.000	83	109790	50.88	ppb		100
41)	Tetrahydrofuran	5.217	42	12374	38.26	ppb		70
42)	1,1,1-trichloroethane	5.432	97	91812	52.54	ppb		90
44)	Cyclohexane	5.449	56	102357	46.60	ppb	#	75
45)	carbon tetrachloride	5.710	117	88290	61.24	ppb		98
46)	1,1-dichloropropene	5.595	75	89746	55.02	ppb		97
47)	benzene	5.894	78	247418	48.76	ppb		97
48)	1,2-dichloroethane	5.875	62	78121	50.49	ppb		99
49)	tert-amyl methyl ether	5.718	73	157865	47.25	ppb		86
50)	heptane	5.742	43	123749	47.64	ppb		78
51)	trichloroethene	6.562	95	68069	50.59	ppb		88
52)	1,2-dichloropropane	6.759	63	61122	47.18	ppb		98
53)	dibromomethane	7.076	93	38040	52.58	ppb		94
54)	bromodichloromethane	7.018	83	75046	52.93	ppb		99
55)	Methylcyclohexane	6.630	83	110633	54.44	ppb	#	78
56)	2-chloroethyl vinyl ether	7.349	63	4486	20.25	ppb		90
57)	methyl methacrylate	6.817	69	35002	44.81	ppb	#	62
58)	1,4-dioxane	7.052	88	3208	250.18	ppb		89
59)	cis-1,3-dichloropropene	7.610	75	96540	48.85	ppb		96
61)	4-methyl-2-pentanone	7.380	43	46303	35.97	ppb		76
62)	toluene	7.965	92	160329	52.34	ppb		98
63)	trans-1,3-dichloropropene	8.162	75	87033	54.95	ppb		98
64)	1,1,2-trichloroethane	8.335	83	44236	48.99	ppb		93
65)	ethyl methacrylate	8.149	69	66971	45.27	ppb	#	72
67)	tetrachloroethene	8.678	166	72993	60.32	ppb		99
68)	1,3-dichloropropane	8.612	76	88561	51.67	ppb		97
69)	dibromochloromethane	8.905	129	55949	54.18	ppb		100
70)	1,2-dibromoethane	9.124	107	54247	52.80	ppb		99
71)	2-hexanone	8.343	43	32590	40.42	ppb		94
72)	chlorobenzene	9.580	112	185077	57.52	ppb		95
73)	1,1,1,2-tetrachloroethane	9.627	131	61857	58.91	ppb		95
74)	ethylbenzene	9.635	91	316736	54.06	ppb		96
75)	m,p-xylene	9.719	106	243979	113.69	ppb		92
76)	o-xylene	10.198	106	116950	56.67	ppb		91
77)	styrene	10.237	104	189960	51.76	ppb		92
78)	bromoform	10.611	173	31001	52.28	ppb		99
79)	trans-1,4-dichloro-2-b...	10.644	53	17885	51.82	ppb		84
81)	isopropylbenzene	10.590	105	311992	58.86	ppb		98
83)	bromobenzene	11.080	156	76751	54.40	ppb		90
84)	1,1,2,2-tetrachloroethane	10.782	83	63265	48.75	ppb		98
85)	1,2,3-trichloropropane	10.942	75	50905	49.13	ppb		98
86)	n-propylbenzene	11.029	91	361143	57.73	ppb		94
87)	2-chlorotoluene	11.223	91	246641	55.92	ppb		91
88)	4-chlorotoluene	11.277	91	225498	58.76	ppb		91
89)	1,3,5-trimethylbenzene	11.202	105	258474	53.49	ppb		97
90)	tert-butylbenzene	11.597	91	171928	56.41	ppb		85
91)	1,2,4-trimethylbenzene	11.633	105	259368	53.04	ppb		97
92)	sec-butylbenzene	11.825	105	315435	57.96	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130562.D
Acq On : 16 Aug 2013 8:44 am
Operator : jaimem
Sample : bs
Misc : MS29663,MSG5090,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 16 09:07:24 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

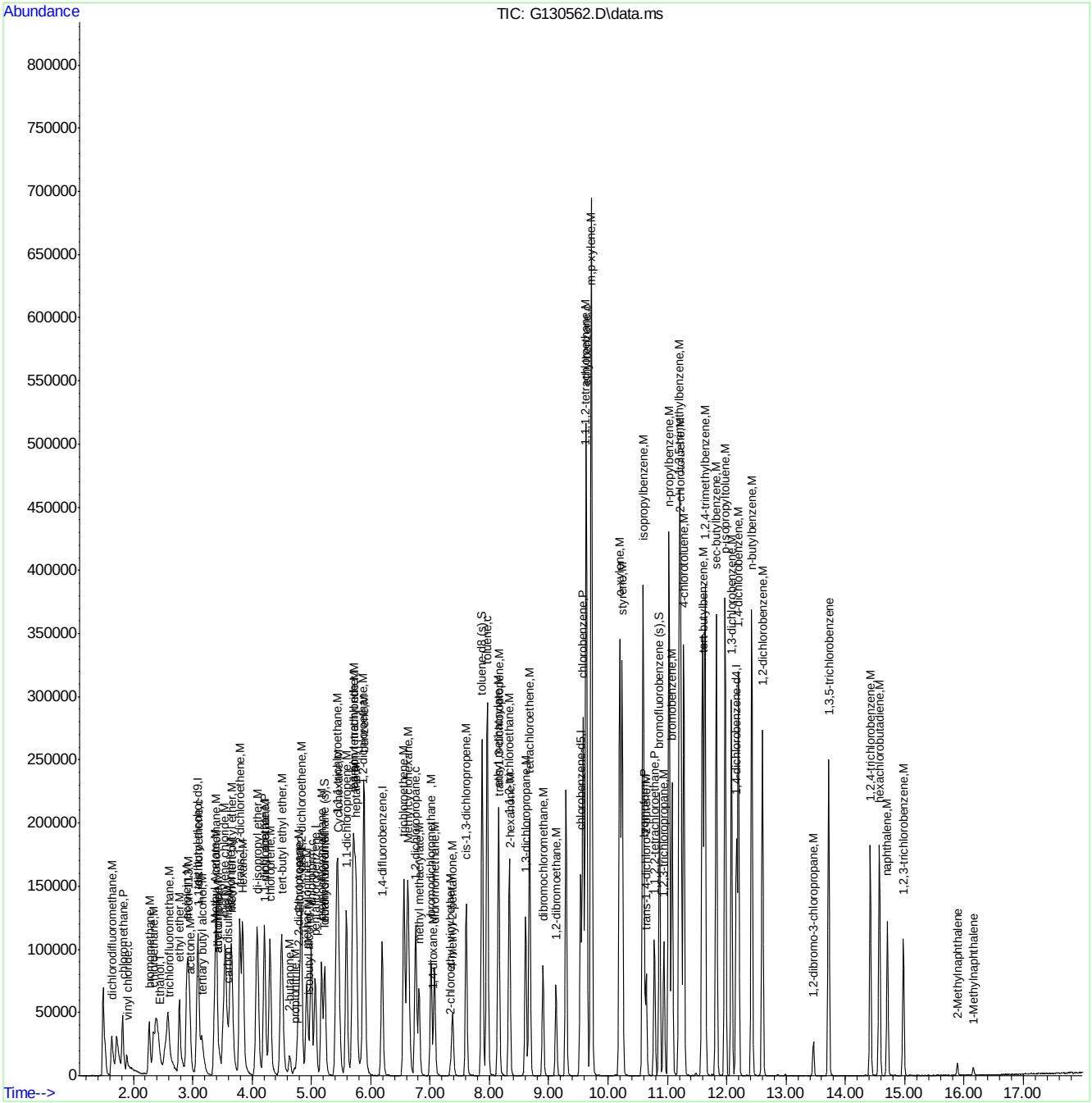
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	12.080	146	142172	56.47	ppb	95
94) p-isopropyltoluene	11.974	119	262508	57.32	ppb	96
95) 1,4-dichlorobenzene	12.197	146	144764	52.24	ppb	95
96) 1,2-dichlorobenzene	12.602	146	132525	54.76	ppb	98
97) n-butylbenzene	12.422	91	238841	52.88	ppb	95
98) 1,2-dibromo-3-chloropr...	13.461	75	7803	39.73	ppb	80
99) 1,3,5-trichlorobenzene	13.718	180	89174	50.37	ug/L	100
100) 1,2,4-trichlorobenzene	14.420	180	63602	41.98	ppb	100
101) hexachlorobutadiene	14.573	225	43281	56.08	ppb	98
102) naphthalene	14.708	128	110304	32.13	ppb	100
103) 2-Methylnaphthalene	15.888	142	5382	12.35	ug/L	97
104) 1-Methylnaphthalene	16.155	142	3587	9.07	ug/L	95
105) 1,2,3-trichlorobenzene	14.978	180	38600	30.23	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130562.D
Acq On : 16 Aug 2013 8:44 am
Operator : jaimem
Sample : bs
Misc : MS29663,MSG5090,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 16 09:07:24 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/20/13 16:36

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130820\
Data File : p71142.D
Acq On : 20 Aug 2013 9:56 am
Operator : krystend
Sample : bs1
Misc : ms29696,msp2328,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 20 10:45:26 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.071	65	414426	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	721184	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	932383	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	599765	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	516620	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	382226	52.66	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 105.32%#			
60) toluene-d8 (s)	11.090	98	1167009	45.18	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 90.36%#			
82) bromofluorobenzene (s)	13.771	95	507047	39.08	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 78.16%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.152	59	552847	597.61	ug/kg	96
3) Ethanol	4.987	45	467804	3775.95	ug/kg	95
5) dichlorodifluoromethane	4.152	85	240820	40.72	ug/kg	96
6) chloromethane	4.104	50	311880	50.46	ug/kg	97
7) vinyl chloride	4.333	62	352514	42.90	ug/kg	96
8) bromomethane	4.798	96	178509	61.44	ug/kg	98
9) chloroethane	4.953	64	174037	52.20	ug/kg	100
10) ethyl ether	5.809	59	238908	57.40	ug/kg	91
11) acetonitrile	5.472	41	185317	64.04	ug/kg	95
12) trichlorofluoromethane	5.566	101	832171m	64.20	ug/kg	
13) freon-113	6.314	101	355836	59.01	ug/kg	94
14) acrolein	5.573	56	125518	328.72	ug/kg	100
15) 1,1-dichloroethene	6.125	96	277119	59.35	ug/kg	93
16) acetone	5.701	58	31553	37.37	ug/kg#	58
17) Methyl Acetate	6.321	43	280862	40.77	ug/kg	98
18) methylene chloride	6.280	84	324489	58.18	ug/kg	95
19) methyl tert butyl ether	7.048	73	734083m	62.75	ug/kg	
20) acrylonitrile	6.193	53	94660	51.06	ug/kg	99
21) allyl chloride	6.368	41	447349	57.95	ug/kg	99
22) trans-1,2-dichloroethene	6.954	96	317850	49.51	ug/kg	92
23) iodomethane	6.179	142	311902m	69.25	ug/kg	
24) carbon disulfide	6.536	76	825289	50.71	ug/kg	99
25) propionitrile	7.230	54	43802	47.64	ug/kg	100
26) vinyl acetate	7.311	43	395821	41.76	ug/kg	99
27) chloroprene	7.560	53	761885	58.00	ug/kg	92
28) di-isopropyl ether	7.607	45	1266384	50.33	ug/kg	96
29) methacrylonitrile	7.722	41	276887	64.84	ug/kg	95
30) 2-butanone	7.621	72	43044	44.78	ug/kg#	92
31) Hexane	7.580	41	768597	53.46	ug/kg	85
32) 1,1-dichloroethane	7.203	63	744527	57.56	ug/kg	98
33) tert-butyl ethyl ether	7.998	59	556357	58.10	ug/kg	97
34) isobutyl alcohol	7.607	43	1252172	266.47	ug/kg	85
35) 2,2-dichloropropane	8.045	77	522947	57.35	ug/kg	95
36) cis-1,2-dichloroethene	7.762	96	386517	53.24	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130820\
Data File : p71142.D
Acq On : 20 Aug 2013 9:56 am
Operator : krystend
Sample : bs1
Misc : ms29696,msp2328,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 20 10:45:26 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	ethyl acetate	8.294	43	32492	62.38	ug/kg#	62
38)	bromochloromethane	7.931	128	168335	64.65	ug/kg#	82
39)	chloroform	7.964	83	898170m	64.07	ug/kg	
41)	Tetrahydrofuran	8.294	42	119920	54.86	ug/kg	95
42)	1,1,1-trichloroethane	8.705	97	916182	72.16	ug/kg	97
44)	Cyclohexane	8.982	56	555958	42.35	ug/kg	91
45)	carbon tetrachloride	9.062	117	806454	83.27	ug/kg	97
46)	1,1-dichloropropene	8.881	75	591895	56.16	ug/kg	98
47)	benzene	9.096	78	1434321	54.01	ug/kg	99
48)	1,2-dichloroethane	8.611	62	830230	70.53	ug/kg	95
49)	tert-amyl methyl ether	9.231	73	452741	67.80	ug/kg	99
50)	heptane	9.581	43	581455	47.02	ug/kg	97
51)	trichloroethene	9.716	95	453165	57.76	ug/kg	98
52)	1,2-dichloropropane	9.682	63	387630	52.94	ug/kg	98
53)	dibromomethane	9.655	93	278845	74.47	ug/kg	97
54)	bromodichloromethane	9.770	83	731389	75.09	ug/kg	99
55)	Methylcyclohexane	10.228	83	609243	49.78	ug/kg	94
56)	2-chloroethyl vinyl ether	10.228	63	9407	62.62	ug/kg#	78
57)	methyl methacrylate	9.878	69	255469m	64.53	ug/kg	
58)	1,4-dioxane	9.884	88	20272	334.77	ug/kg	93
59)	cis-1,3-dichloropropene	10.390	75	660362	60.57	ug/kg	99
61)	4-methyl-2-pentanone	10.497	43	476125m	72.00	ug/kg	
62)	toluene	11.157	92	939186	56.02	ug/kg	99
63)	trans-1,3-dichloropropene	10.814	75	633314	62.79	ug/kg	95
64)	1,1,2-trichloroethane	10.982	83	306143	61.76	ug/kg	98
65)	ethyl methacrylate	11.198	69	545165	68.00	ug/kg	99
67)	tetrachloroethene	11.898	166	480945	60.93	ug/kg	95
68)	1,3-dichloropropane	11.218	76	656476	59.82	ug/kg	98
69)	dibromochloromethane	11.501	129	489251	67.71	ug/kg	97
70)	1,2-dibromoethane	11.750	107	384627	60.17	ug/kg	98
71)	2-hexanone	11.360	43	342150m	61.28	ug/kg	
72)	chlorobenzene	12.572	112	1027882	51.38	ug/kg	98
73)	1,1,1,2-tetrachloroethane	12.498	131	439976m	65.51	ug/kg	
74)	ethylbenzene	12.754	91	1952908	52.17	ug/kg	96
75)	m,p-xylene	12.943	106	1359303	98.47	ug/kg	88
76)	o-xylene	13.354	106	696605	50.86	ug/kg	90
77)	styrene	13.279	104	1004235	49.09	ug/kg	92
78)	bromoform	13.098	173	358911	78.53	ug/kg	95
79)	trans-1,4-dichloro-2-b...	13.515	53	138773	76.80	ug/kg#	52
81)	isopropylbenzene	13.717	105	1963337	45.57	ug/kg	98
83)	bromobenzene	13.993	156	495420	54.33	ug/kg	90
84)	1,1,2,2-tetrachloroethane	13.360	83	541624	60.74	ug/kg	99
85)	1,2,3-trichloropropane	13.502	75	634165	68.24	ug/kg	97
86)	n-propylbenzene	14.162	91	2359701	48.54	ug/kg	100
87)	2-chlorotoluene	14.276	91	1465708	47.20	ug/kg	99
88)	4-chlorotoluene	14.350	91	1544912	49.67	ug/kg	100
89)	1,3,5-trimethylbenzene	14.438	105	1704696	47.45	ug/kg	99
90)	tert-butylbenzene	14.741	91	1206368	50.78	ug/kg	96
91)	1,2,4-trimethylbenzene	14.849	105	1725651	49.80	ug/kg	97
92)	sec-butylbenzene	14.964	105	2236997	49.61	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130820\
Data File : p71142.D
Acq On : 20 Aug 2013 9:56 am
Operator : krystend
Sample : bs1
Misc : ms29696,msp2328,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 20 10:45:26 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

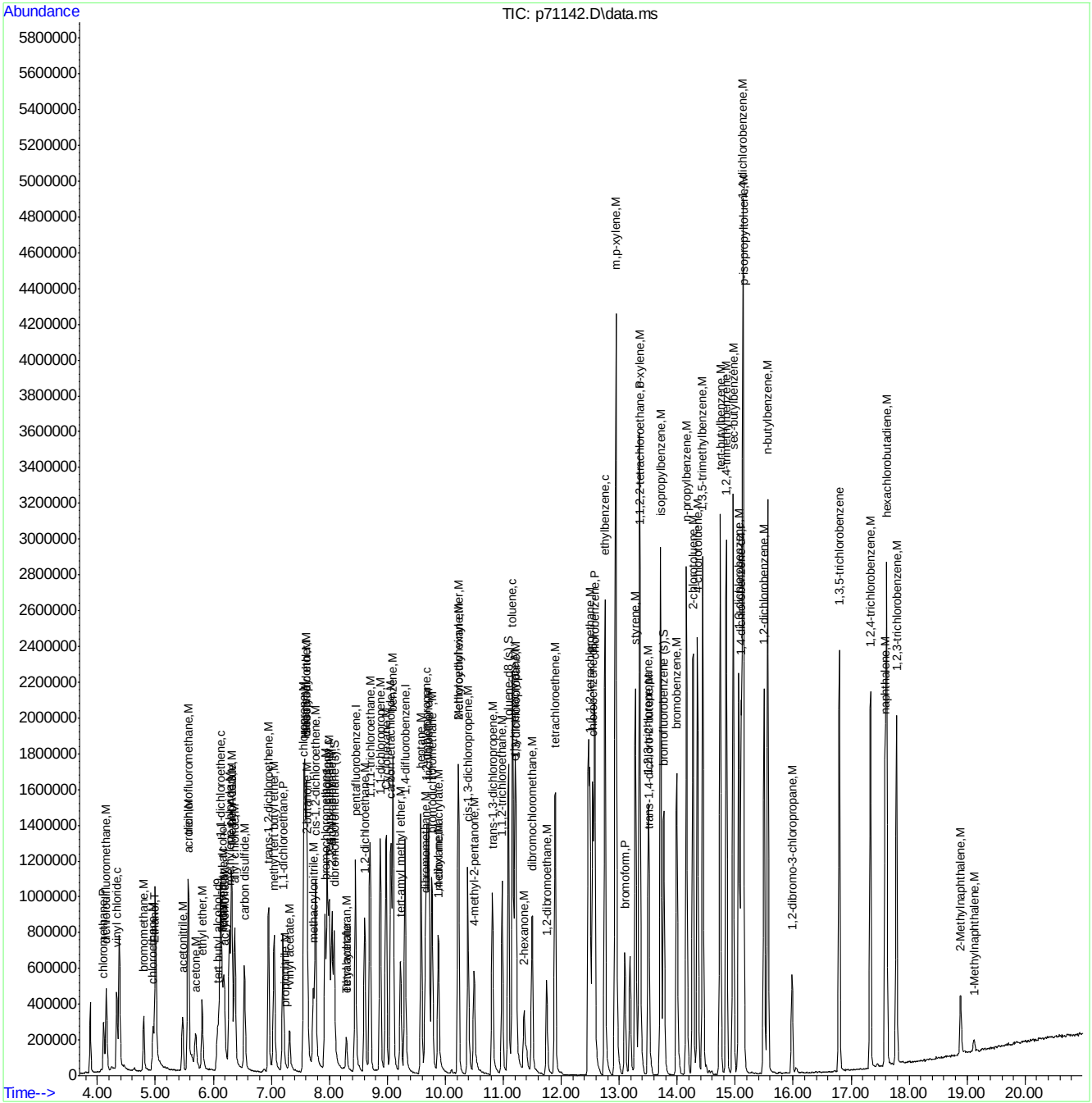
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	921488	53.86	ug/kg	99
94)	p-isopropyltoluene	15.139	119	1788838	55.92	ug/kg	96
95)	1,4-dichlorobenzene	15.132	146	945890	57.41	ug/kg	99
96)	1,2-dichlorobenzene	15.496	146	890070	55.43	ug/kg	100
97)	n-butylbenzene	15.563	91	1914029	58.51	ug/kg	100
98)	1,2-dibromo-3-chloropr...	15.981	75	161484	81.97	ug/kg	93
99)	1,3,5-trichlorobenzene	16.796	180	772904	64.50	ug/kg	99
100)	1,2,4-trichlorobenzene	17.335	180	682970	58.88	ug/kg	99
101)	hexachlorobutadiene	17.611	225	544860	62.71	ug/kg	96
102)	naphthalene	17.584	128	1273536	61.23	ug/kg	100
103)	1,2,3-trichlorobenzene	17.786	180	648247	62.00	ug/kg	94
104)	2-Methylnaphthalene	18.891	142	172638	29.26	ug/kg	99
105)	1-Methylnaphthalene	19.120	142	34434	6.44	ug/kg	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130820\
Data File : p71142.D
Acq On : 20 Aug 2013 9:56 am
Operator : krystend
Sample : bs1
Misc : ms29696,msp2328,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 20 10:45:26 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/16/13 09:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130536.D
Acq On : 15 Aug 2013 7:34 pm
Operator : jaimem
Sample : mc23416-3ms
Misc : MS29663,MSG5089,15.31,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 16 07:47:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.078	65	25188	500.00	ppb		0.00
4) pentafluorobenzene	5.071	168	75286	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	122637	50.00	ppb		0.00
66) chlorobenzene-d5	9.539	82	60883	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.163	152	58112	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.231	113	64001	54.23	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.46%				
60) toluene-d8 (s)	7.878	98	252551	52.15	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.30%				
82) bromofluorobenzene (s)	10.867	95	96802	50.35	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.70%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.149	59	46912	616.02	ppb		100
3) Ethanol	2.430	45	33429	4620.04	ppb		99
5) dichlorodifluoromethane	1.648	85	51791m	44.09	ppb		
6) chloromethane	1.826	50	51271	50.10	ppb		95
7) vinyl chloride	1.926	62	14308	48.28	ppb		82
8) bromomethane	2.279	96	40110	68.90	ppb		96
9) chloroethane	2.342	64	30297	59.28	ppb		78
10) ethyl ether	2.786	59	48129	47.92	ppb		79
11) acetonitrile	3.415	41	88149	44.78	ppb		94
12) trichlorofluoromethane	2.609	101	98056	58.21	ppb		95
13) freon-113	2.933	101	72879	57.14	ppb		90
14) acrolein	2.904	56	34062	312.92	ppb		99
15) 1,1-dichloroethene	3.093	96	67287	53.25	ppb		94
16) acetone	2.960	58	5556	27.84	ppb	#	66
17) Methyl Acetate	3.373	43	46739	32.91	ppb	#	78
18) methylene chloride	3.532	84	69560	46.44	ppb	#	73
19) methyl tert butyl ether	3.663	73	170263	48.13	ppb		91
20) acrylonitrile	3.635	53	20581	43.30	ppb		87
21) allyl chloride	3.415	41	88149	44.49	ppb		74
22) trans-1,2-dichloroethene	3.801	96	68183	52.86	ppb		89
23) iodomethane	3.386	142	114427	53.51	ppb		93
24) carbon disulfide	3.590	76	197702	53.08	ppb		100
25) propionitrile	4.717	54	6936	39.95	ppb		100
26) vinyl acetate	4.208	43	85527	45.65	ppb		94
27) chloroprene	4.312	53	99125	53.06	ppb		78
28) di-isopropyl ether	4.093	45	191382	42.65	ppb		91
29) methacrylonitrile	4.927	41	38156	40.43	ppb		63
30) 2-butanone	4.638	72	5938	36.53	ppb	#	61
31) Ethyl Acetate	4.807	43	40388	87.37	ug/L	#	99
32) Hexane	3.850	41	59569	51.62	ppb	#	92
33) 1,1-dichloroethane	4.218	63	117901	51.44	ppb		97
34) tert-butyl ethyl ether	4.506	59	188858	47.84	ppb		90
35) isobutyl alcohol	4.950	43	10286	169.07	ppb		82
36) 2,2-dichloropropane	4.794	77	64536	62.32	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130536.D
Acq On : 15 Aug 2013 7:34 pm
Operator : jaimem
Sample : mc23416-3ms
Misc : MS29663,MSG5089,15.31,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 16 07:47:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.835	96	72544	50.86	ppb		88
38)	bromochloromethane	5.176	128	35445	55.62	ppb	#	78
39)	chloroform	5.001	83	118332	52.91	ppb		99
41)	Tetrahydrofuran	5.217	42	12954	38.65	ppb		72
42)	1,1,1-trichloroethane	5.433	97	99577	54.98	ppb		93
44)	Cyclohexane	5.450	56	111066	48.16	ppb	#	82
45)	carbon tetrachloride	5.710	117	92920	61.39	ppb		100
46)	1,1-dichloropropene	5.596	75	96071	56.10	ppb		96
47)	benzene	5.895	78	279235	52.41	ppb		97
48)	1,2-dichloroethane	5.875	62	84251	51.86	ppb		100
49)	tert-amyl methyl ether	5.723	73	179917	51.29	ppb		87
50)	heptane	5.742	43	125446	45.99	ppb		81
51)	trichloroethene	6.562	95	73661	52.14	ppb		89
52)	1,2-dichloropropane	6.759	63	67367	49.52	ppb		97
53)	dibromomethane	7.077	93	41064	54.06	ppb		93
54)	bromodichloromethane	7.018	83	81643	54.84	ppb		96
55)	Methylcyclohexane	6.630	83	116563	54.63	ppb	#	83
56)	2-chloroethyl vinyl ether	7.348	63	5584	22.41	ppb		94
57)	methyl methacrylate	6.817	69	38241	46.63	ppb	#	66
58)	1,4-dioxane	7.050	88	2596	192.82	ppb		73
59)	cis-1,3-dichloropropene	7.611	75	103772	50.01	ppb		95
61)	4-methyl-2-pentanone	7.379	43	50136	37.09	ppb		76
62)	toluene	7.966	92	213699	66.44	ppb		100
63)	trans-1,3-dichloropropene	8.162	75	92643	55.70	ppb		98
64)	1,1,2-trichloroethane	8.336	83	48195	50.83	ppb		90
65)	ethyl methacrylate	8.149	69	74143	47.73	ppb	#	73
67)	tetrachloroethene	8.679	166	78102	61.18	ppb		99
68)	1,3-dichloropropane	8.612	76	96096	53.14	ppb		99
69)	dibromochloromethane	8.905	129	60564	55.49	ppb		98
70)	1,2-dibromoethane	9.125	107	59970	55.33	ppb		100
71)	2-hexanone	8.343	43	31536	37.07	ppb		90
72)	chlorobenzene	9.581	112	201536	59.38	ppb		95
73)	1,1,1,2-tetrachloroethane	9.627	131	67027	60.51	ppb		97
74)	ethylbenzene	9.636	91	361324	58.46	ppb		96
75)	m,p-xylene	9.720	106	292198	129.07	ppb		94
76)	o-xylene	10.199	106	133723	61.42	ppb		92
77)	styrene	10.237	104	210169	54.29	ppb		93
78)	bromoform	10.611	173	33299	53.14	ppb		96
79)	trans-1,4-dichloro-2-b...	10.644	53	18043	49.55	ppb		86
81)	isopropylbenzene	10.590	105	340170	60.73	ppb		97
83)	bromobenzene	11.081	156	83971	56.31	ppb		90
84)	1,1,2,2-tetrachloroethane	10.782	83	67988	49.57	ppb		95
85)	1,2,3-trichloropropane	10.942	75	53434	48.79	ppb		97
86)	n-propylbenzene	11.030	91	389828	58.95	ppb		95
87)	2-chlorotoluene	11.224	91	264888	56.82	ppb		91
88)	4-chlorotoluene	11.277	91	239986	59.17	ppb		91
89)	1,3,5-trimethylbenzene	11.203	105	285552	55.91	ppb		97
90)	tert-butylbenzene	11.598	91	185035	57.44	ppb		83
91)	1,2,4-trimethylbenzene	11.633	105	300645	58.17	ppb		96
92)	sec-butylbenzene	11.826	105	341172	59.31	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130536.D
Acq On : 15 Aug 2013 7:34 pm
Operator : jaimem
Sample : mc23416-3ms
Misc : MS29663,MSG5089,15.31,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 16 07:47:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

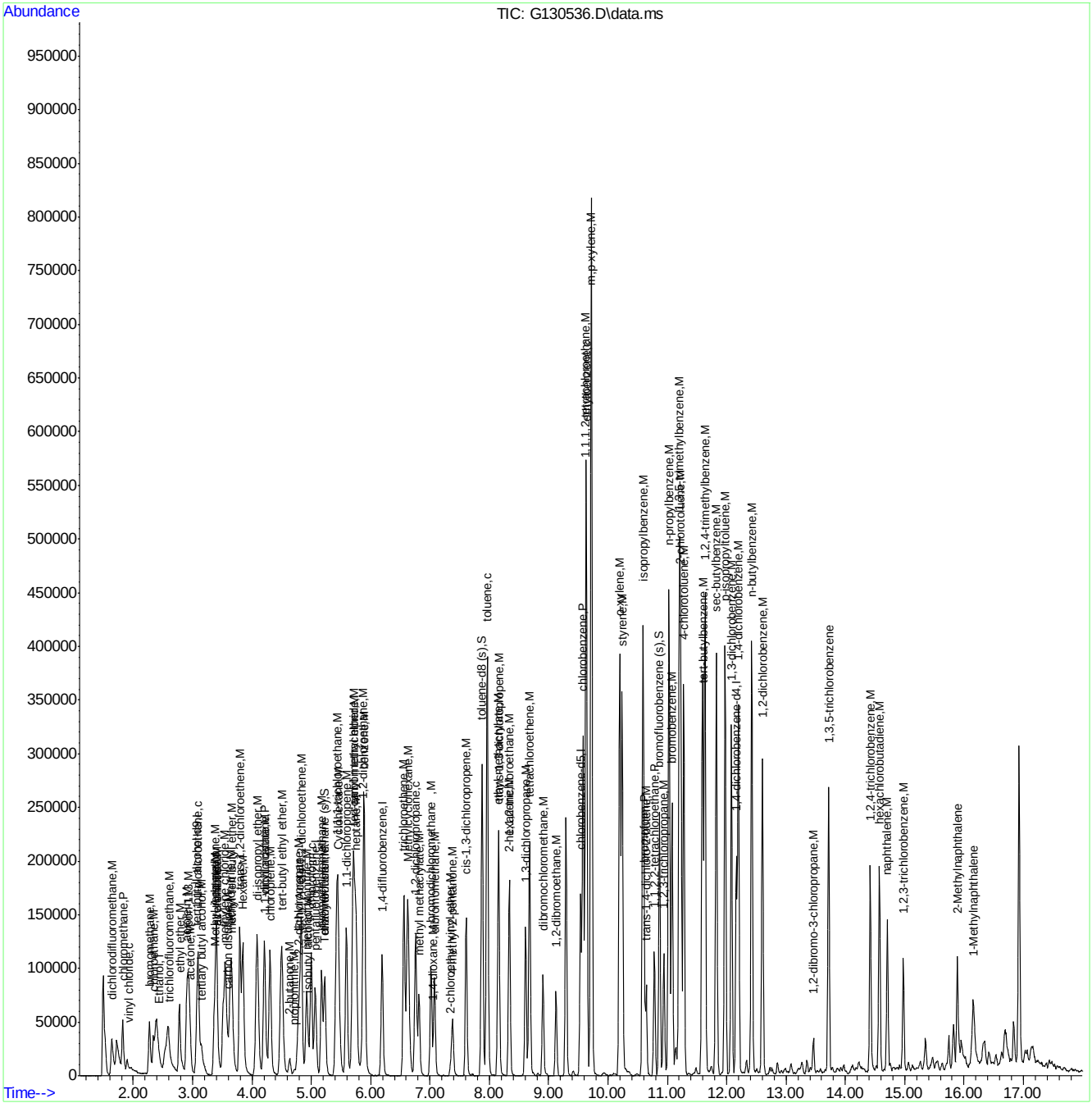
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.081	146	155060	58.27	ppb		95
94) p-isopropyltoluene	11.975	119	284778	58.83	ppb		96
95) 1,4-dichlorobenzene	12.197	146	157893	53.91	ppb		97
96) 1,2-dichlorobenzene	12.603	146	145125	56.74	ppb		98
97) n-butylbenzene	12.423	91	257798	54.00	ppb		94
98) 1,2-dibromo-3-chloropr...	13.461	75	7937	38.23	ppb	#	71
99) 1,3,5-trichlorobenzene	13.719	180	96340	51.49	ug/L		100
100) 1,2,4-trichlorobenzene	14.421	180	67898	42.40	ppb		99
101) hexachlorobutadiene	14.574	225	44226	54.22	ppb		97
102) naphthalene	14.709	128	127619	35.17	ppb		100
103) 2-Methylnaphthalene	15.889	142	47162	45.15	ug/L		93
104) 1-Methylnaphthalene	16.158	142	27185	35.45	ug/L	#	84
105) 1,2,3-trichlorobenzene	14.978	180	37415	27.72	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130536.D
Acq On : 15 Aug 2013 7:34 pm
Operator : jaimem
Sample : mc23416-3ms
Misc : MS29663,MSG5089,15.31,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 16 07:47:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/16/13 09:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130537.D
Acq On : 15 Aug 2013 8:03 pm
Operator : jaimem
Sample : mc23416-3msd
Misc : MS29663,MSG5089,15.31,,100,10,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 16 07:47:36 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.081	65	29644	500.00	ppb		0.00
4) pentafluorobenzene	5.071	168	77283	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	124156	50.00	ppb		0.00
66) chlorobenzene-d5	9.539	82	61424	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	58011	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.231	113	61229	50.54	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.08%				
60) toluene-d8 (s)	7.878	98	241946	49.35	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.70%				
82) bromofluorobenzene (s)	10.867	95	94774	49.38	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.76%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.153	59	53736	599.56	ppb		99
3) Ethanol	2.435	45	37776	4436.04	ppb		97
5) dichlorodifluoromethane	1.647	85	51598m	42.79	ppb		
6) chloromethane	1.827	50	50495	48.06	ppb		96
7) vinyl chloride	1.921	62	13159	43.25	ppb		89
8) bromomethane	2.278	96	37004	61.92	ppb		95
9) chloroethane	2.341	64	28224	53.80	ppb		88
10) ethyl ether	2.787	59	48146	46.70	ppb		72
11) acetonitrile	3.421	41	87726	43.42	ppb		96
12) trichlorofluoromethane	2.615	101	96397	55.75	ppb		97
13) freon-113	2.935	101	72136	55.09	ppb		92
14) acrolein	2.905	56	36488	326.55	ppb		96
15) 1,1-dichloroethene	3.098	96	67147	51.77	ppb		90
16) acetone	2.960	58	6428	31.53	ppb	#	75
17) Methyl Acetate	3.374	43	49720	34.11	ppb	#	79
18) methylene chloride	3.537	84	68481	44.54	ppb	#	72
19) methyl tert butyl ether	3.663	73	169812	46.76	ppb		92
20) acrylonitrile	3.635	53	21239	43.53	ppb		97
21) allyl chloride	3.421	41	87726	43.13	ppb		77
22) trans-1,2-dichloroethene	3.801	96	65455	49.43	ppb		89
23) iodomethane	3.388	142	112138	51.09	ppb		93
24) carbon disulfide	3.598	76	196514	51.40	ppb		100
25) propionitrile	4.718	54	7731	43.38	ppb		100
26) vinyl acetate	4.210	43	87894	45.69	ppb		97
27) chloroprene	4.309	53	93384	48.70	ppb		78
28) di-isopropyl ether	4.094	45	185461	40.26	ppb		89
29) methacrylonitrile	4.929	41	40310	41.61	ppb		69
30) 2-butanone	4.639	72	6658	39.90	ppb	#	56
31) Ethyl Acetate	4.809	43	43561	91.80	ug/L	#	98
32) Hexane	3.850	41	57154	48.25	ppb	#	91
33) 1,1-dichloroethane	4.218	63	113418	48.21	ppb		98
34) tert-butyl ethyl ether	4.506	59	184627	45.56	ppb		90
35) isobutyl alcohol	4.957	43	13150	213.87	ppb		80
36) 2,2-dichloropropane	4.793	77	57524	54.11	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130537.D
Acq On : 15 Aug 2013 8:03 pm
Operator : jaimem
Sample : mc23416-3msd
Misc : MS29663,MSG5089,15.31,,100,10,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 16 07:47:36 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.835	96	70695	48.28	ppb		85
38)	bromochloromethane	5.176	128	34652	52.97	ppb	#	80
39)	chloroform	5.001	83	114319	49.79	ppb		99
41)	Tetrahydrofuran	5.217	42	13966	40.59	ppb		71
42)	1,1,1-trichloroethane	5.433	97	94235	50.68	ppb		90
44)	Cyclohexane	5.450	56	107830	46.19	ppb	#	83
45)	carbon tetrachloride	5.711	117	89805	58.60	ppb		95
46)	1,1-dichloropropene	5.595	75	93173	53.74	ppb		95
47)	benzene	5.895	78	269873	50.04	ppb		97
48)	1,2-dichloroethane	5.875	62	81170	49.35	ppb		99
49)	tert-amyl methyl ether	5.718	73	171818	48.38	ppb		84
50)	heptane	5.742	43	121599	44.04	ppb		87
51)	trichloroethene	6.562	95	71561	50.04	ppb		90
52)	1,2-dichloropropane	6.759	63	64009	46.48	ppb		97
53)	dibromomethane	7.077	93	40239	52.33	ppb		92
54)	bromodichloromethane	7.018	83	78871	52.33	ppb		98
55)	Methylcyclohexane	6.631	83	113940	52.75	ppb	#	80
56)	2-chloroethyl vinyl ether	7.349	63	6077	23.44	ppb		97
57)	methyl methacrylate	6.817	69	39196	47.21	ppb	#	66
58)	1,4-dioxane	7.052	88	3360	246.51	ppb	#	58
59)	cis-1,3-dichloropropene	7.611	75	101004	48.08	ppb		98
61)	4-methyl-2-pentanone	7.380	43	53712	39.25	ppb		76
62)	toluene	7.966	92	206516	63.42	ppb		100
63)	trans-1,3-dichloropropene	8.162	75	89876	53.38	ppb		100
64)	1,1,2-trichloroethane	8.336	83	47653	49.64	ppb		93
65)	ethyl methacrylate	8.149	69	74796	47.56	ppb	#	73
67)	tetrachloroethene	8.679	166	74796	58.07	ppb		94
68)	1,3-dichloropropane	8.612	76	93468	51.24	ppb		98
69)	dibromochloromethane	8.905	129	60192	54.73	ppb		100
70)	1,2-dibromoethane	9.124	107	60032	54.90	ppb		99
71)	2-hexanone	8.343	43	35081	40.88	ppb		91
72)	chlorobenzene	9.581	112	195348	57.05	ppb		94
73)	1,1,1,2-tetrachloroethane	9.627	131	64578	57.78	ppb		98
74)	ethylbenzene	9.636	91	351241	56.33	ppb		97
75)	m,p-xylene	9.719	106	281779	123.37	ppb		92
76)	o-xylene	10.199	106	128432	58.47	ppb		93
77)	styrene	10.237	104	203352	52.06	ppb		92
78)	bromoform	10.611	173	33926	53.62	ppb		99
79)	trans-1,4-dichloro-2-b...	10.644	53	18604	50.64	ppb		78
81)	isopropylbenzene	10.590	105	326064	58.31	ppb		99
83)	bromobenzene	11.080	156	81840	54.98	ppb		88
84)	1,1,2,2-tetrachloroethane	10.782	83	70349	51.38	ppb		96
85)	1,2,3-trichloropropane	10.942	75	55863	51.10	ppb		100
86)	n-propylbenzene	11.029	91	379998	57.57	ppb		95
87)	2-chlorotoluene	11.223	91	253664	54.51	ppb		92
88)	4-chlorotoluene	11.277	91	232590	57.44	ppb		89
89)	1,3,5-trimethylbenzene	11.203	105	274435	53.83	ppb		97
90)	tert-butylbenzene	11.598	91	178028	55.36	ppb		88
91)	1,2,4-trimethylbenzene	11.633	105	286780	55.59	ppb		96
92)	sec-butylbenzene	11.825	105	329840	57.44	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130537.D
Acq On : 15 Aug 2013 8:03 pm
Operator : jaimem
Sample : mc23416-3msd
Misc : MS29663,MSG5089,15.31,,100,10,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 16 07:47:36 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

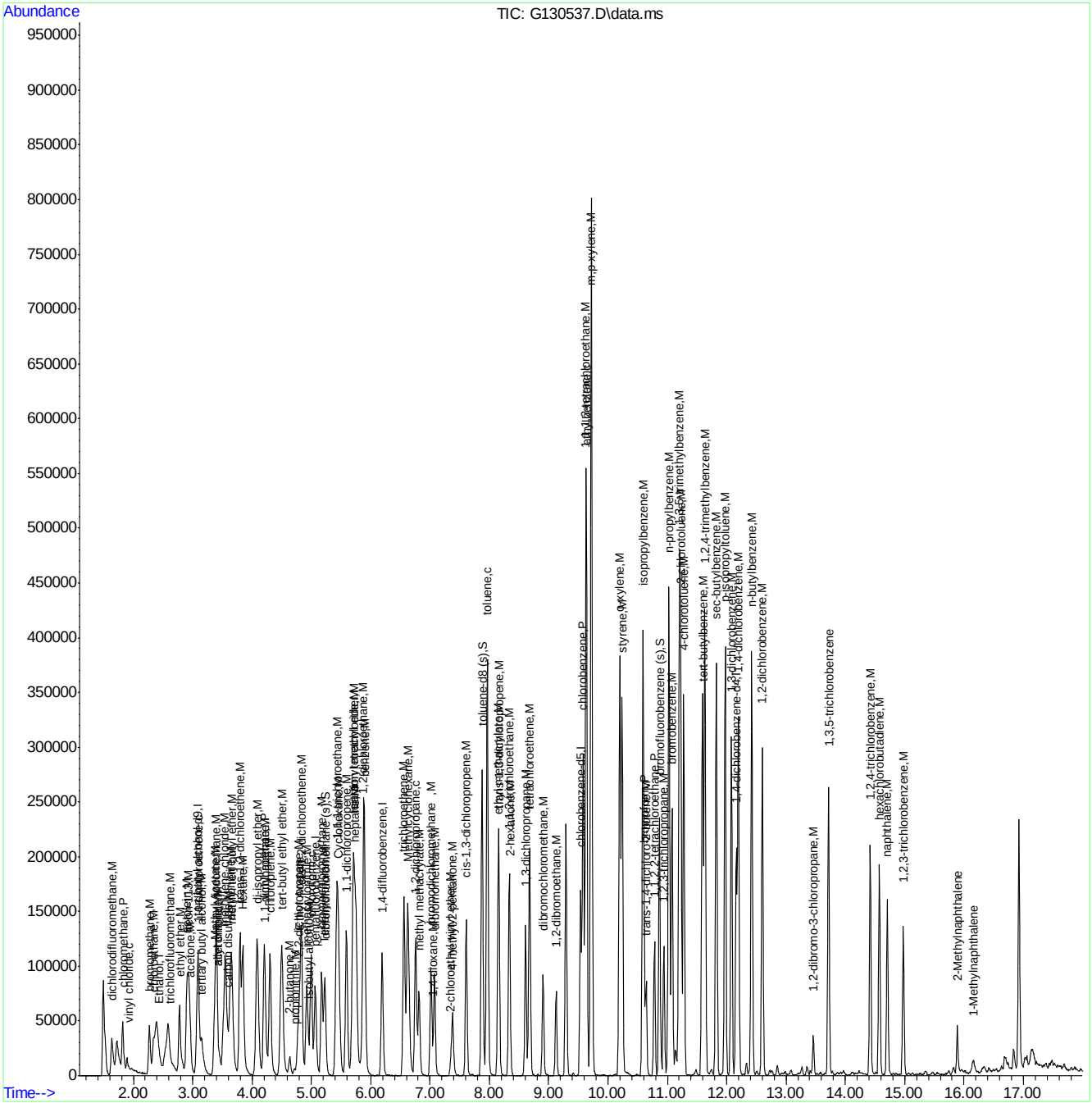
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	150282	56.57	ppb		94
94)	p-isopropyltoluene	11.975	119	272656	56.42	ppb		97
95)	1,4-dichlorobenzene	12.197	146	152434	52.14	ppb		98
96)	1,2-dichlorobenzene	12.602	146	141025	55.23	ppb		97
97)	n-butylbenzene	12.423	91	249557	52.37	ppb		95
98)	1,2-dibromo-3-chloropr...	13.461	75	8846	42.69	ppb	#	73
99)	1,3,5-trichlorobenzene	13.718	180	95445	51.10	ug/L		99
100)	1,2,4-trichlorobenzene	14.421	180	73904	46.23	ppb		98
101)	hexachlorobutadiene	14.574	225	45026	55.30	ppb		98
102)	naphthalene	14.708	128	145157	40.07	ppb		100
103)	2-Methylnaphthalene	15.888	142	22607	25.76	ug/L		94
104)	1-Methylnaphthalene	16.155	142	5251	10.73	ug/L	#	87
105)	1,2,3-trichlorobenzene	14.978	180	47618	35.35	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130537.D
Acq On : 15 Aug 2013 8:03 pm
Operator : jaimem
Sample : mc23416-3msd
Misc : MS29663,MSG5089,15.31,,100,10,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 16 07:47:36 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130816\
Data File : p71089.D
Acq On : 16 Aug 2013 4:17 pm
Operator : krystend
Sample : mc23456-3ms
Misc : ms29678,msp2328,4.895,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 19 09:16:33 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	384532	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	625869	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	812861	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	479220	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	212648	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	332105	52.72	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 105.44%#			
60) toluene-d8 (s)	11.090	98	1056777	46.93	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 93.86%#			
82) bromofluorobenzene (s)	13.771	95	346957	64.97	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 129.94%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.166	59	426546	496.93	ug/kg	94
3) Ethanol	4.987	45	314852	2636.38	ug/kg	93
5) dichlorodifluoromethane	4.152	85	261718	50.99	ug/kg	99
6) chloromethane	4.104	50	252146	47.01	ug/kg	100
7) vinyl chloride	4.333	62	293251	41.12	ug/kg	95
8) bromomethane	4.798	96	154427	61.27	ug/kg	96
9) chloroethane	4.953	64	161184	55.71	ug/kg	97
10) ethyl ether	5.809	59	207128	57.35	ug/kg	78
11) acetonitrile	5.472	41	144112	57.38	ug/kg	90
12) trichlorofluoromethane	5.566	101	754786	67.10	ug/kg	94
13) freon-113	6.314	101	330559	63.17	ug/kg	91
14) acrolein	5.573	56	115320	347.83	ug/kg	97
15) 1,1-dichloroethene	6.125	96	267489	66.01	ug/kg	92
16) acetone	5.701	58	37715	54.62	ug/kg#	78
17) Methyl Acetate	6.321	43	212744	35.59	ug/kg#	85
18) methylene chloride	6.280	84	323443	66.61	ug/kg	83
19) methyl tert butyl ether	7.048	73	809730	79.76	ug/kg	86
20) acrylonitrile	6.193	53	70821	44.02	ug/kg	87
21) allyl chloride	6.368	41	325768	48.63	ug/kg	84
22) trans-1,2-dichloroethene	6.954	96	245884	44.13	ug/kg	97
23) iodomethane	6.179	142	233755	60.45	ug/kg	88
24) carbon disulfide	6.536	76	780779	54.42	ug/kg	99
25) propionitrile	7.230	54	27633	35.36	ug/kg	100
26) vinyl acetate	7.318	43	233515	28.39	ug/kg	91
27) chloroprene	7.560	53	463716	40.68	ug/kg	99
28) di-isopropyl ether	7.607	45	721683	33.05	ug/kg	86
29) methacrylonitrile	7.729	41	142833	38.54	ug/kg	78
30) 2-butanone	7.621	72	42003	50.24	ug/kg#	50
31) Hexane	7.580	41	479136	38.40	ug/kg	85
32) 1,1-dichloroethane	7.203	63	613280	54.63	ug/kg	97
33) tert-butyl ethyl ether	7.998	59	464489	56.27	ug/kg	96
34) isobutyl alcohol	7.607	43	749271	183.73	ug/kg	79
35) 2,2-dichloropropane	8.045	77	466864	58.68	ug/kg	96
36) cis-1,2-dichloroethene	7.762	96	296421	47.04	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130816\
Data File : p71089.D
Acq On : 16 Aug 2013 4:17 pm
Operator : krystend
Sample : mc23456-3ms
Misc : ms29678,msp2328,4.895,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 19 09:16:33 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.294	43	20289	44.27	ug/kg#	62
38) bromochloromethane	7.924	128	107501	47.58	ug/kg	86
39) chloroform	7.964	83	779141	64.04	ug/kg	100
41) Tetrahydrofuran	8.294	42	61526	32.43	ug/kg	60
42) 1,1,1-trichloroethane	8.705	97	779947	70.79	ug/kg	98
44) Cyclohexane	8.982	56	372981	32.59	ug/kg#	62
45) carbon tetrachloride	9.062	117	670969	79.46	ug/kg	97
46) 1,1-dichloropropene	8.880	75	503683	54.82	ug/kg	93
47) benzene	9.096	78	1211319	52.28	ug/kg	99
48) 1,2-dichloroethane	8.611	62	660296	64.34	ug/kg	97
49) tert-amyl methyl ether	9.231	73	443476	75.06	ug/kg	93
50) heptane	9.581	43	232294	21.55	ug/kg	77
51) trichloroethene	9.716	95	669510	98.68	ug/kg	84
52) 1,2-dichloropropane	9.682	63	279726	43.82	ug/kg	99
53) dibromomethane	9.655	93	209130	64.07	ug/kg	96
54) bromodichloromethane	9.770	83	580601	68.37	ug/kg	98
55) Methylcyclohexane	10.228	83	445430	41.74	ug/kg	86
56) 2-chloroethyl vinyl ether	10.221	63	9123	70.60	ug/kg#	92
57) methyl methacrylate	9.884	69	194401	56.33	ug/kg#	80
58) 1,4-dioxane	9.877	88	13825	265.27	ug/kg	81
59) cis-1,3-dichloropropene	10.389	75	486462	51.18	ug/kg	92
61) 4-methyl-2-pentanone	10.504	43	264670	45.91	ug/kg	96
62) toluene	11.164	92	719804	49.25	ug/kg	95
63) trans-1,3-dichloropropene	10.814	75	420013	48.63	ug/kg	88
64) 1,1,2-trichloroethane	10.982	83	215400	49.84	ug/kg	98
65) ethyl methacrylate	11.198	69	367512	52.93	ug/kg	83
67) tetrachloroethene	11.898	166	302111	47.90	ug/kg	99
68) 1,3-dichloropropane	11.218	76	460728	52.55	ug/kg	98
69) dibromochloromethane	11.501	129	285676	50.92	ug/kg	98
70) 1,2-dibromoethane	11.750	107	222317	43.53	ug/kg	98
71) 2-hexanone	11.366	43	152449	34.17	ug/kg	98
72) chlorobenzene	12.579	112	605057	37.85	ug/kg	85
73) 1,1,1,2-tetrachloroethane	12.498	131	278390	51.87	ug/kg	95
74) ethylbenzene	12.754	91	1380606	46.16	ug/kg	91
75) m,p-xylene	12.943	106	870646	78.94	ug/kg#	73
76) o-xylene	13.353	106	425361	38.87	ug/kg#	74
77) styrene	13.279	104	353962	21.66	ug/kg	78
78) bromoform	13.097	173	170654	50.65	ug/kg	96
79) trans-1,4-dichloro-2-b...	13.515	53	49433	40.96	ug/kg#	84
81) isopropylbenzene	13.717	105	1211328	68.30	ug/kg	93
83) bromobenzene	13.993	156	204284	54.42	ug/kg#	81
84) 1,1,2,2-tetrachloroethane	13.360	83	289550	78.89	ug/kg	97
85) 1,2,3-trichloropropane	13.508	75	338183	88.41	ug/kg	100
86) n-propylbenzene	14.162	91	1280698	64.00	ug/kg	91
87) 2-chlorotoluene	14.276	91	828502	64.82	ug/kg	88
88) 4-chlorotoluene	14.350	91	779052	60.86	ug/kg	86
89) 1,3,5-trimethylbenzene	14.445	105	976121	66.01	ug/kg	89
90) tert-butylbenzene	14.741	91	732635	74.93	ug/kg	74
91) 1,2,4-trimethylbenzene	14.849	105	890030	62.40	ug/kg	89
92) sec-butylbenzene	14.963	105	1074458	57.89	ug/kg	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130816\
Data File : p71089.D
Acq On : 16 Aug 2013 4:17 pm
Operator : krystend
Sample : mc23456-3ms
Misc : ms29678,msp2328,4.895,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 19 09:16:33 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

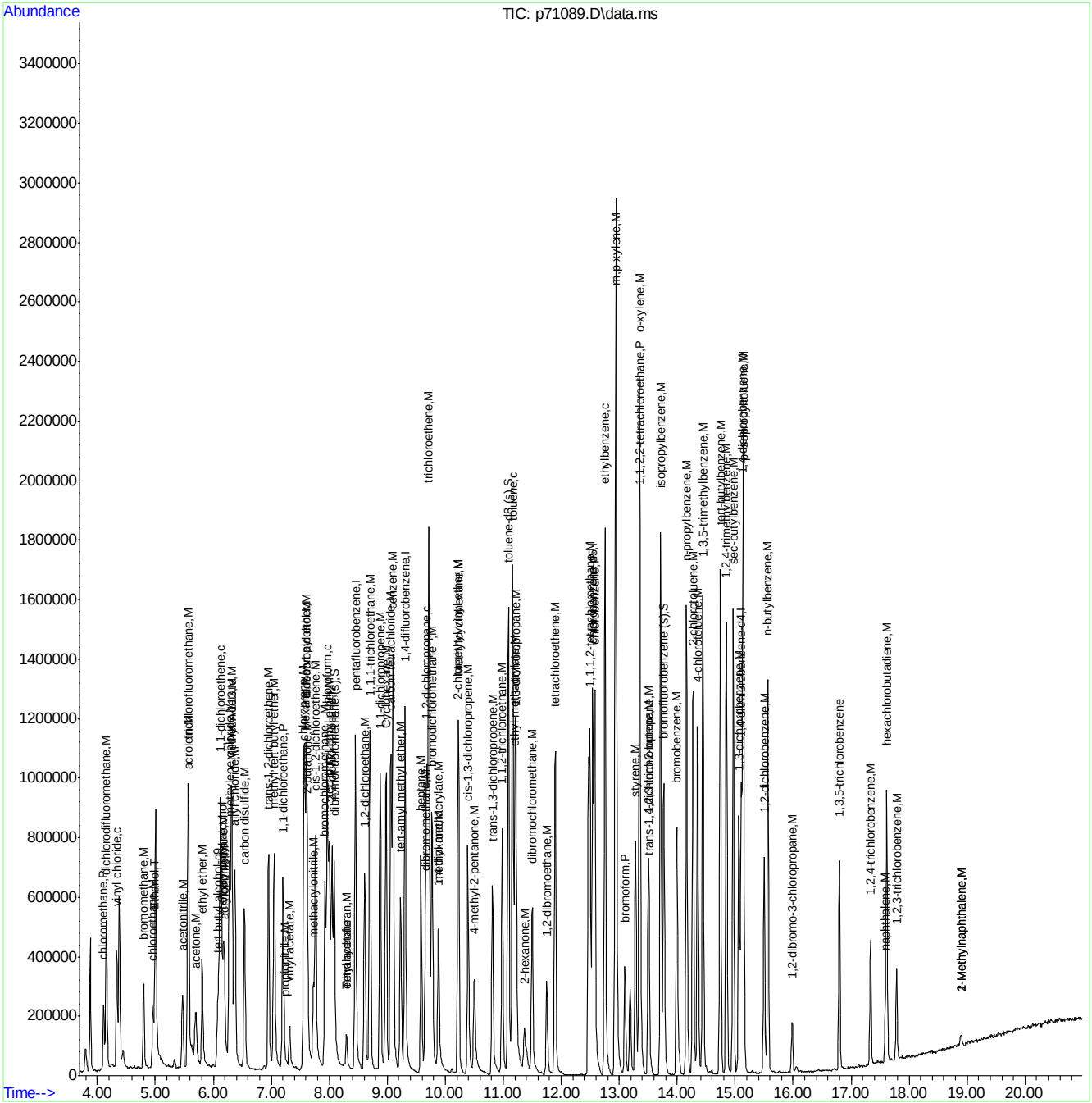
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.064	146	307164	43.62	ug/kg	95
94)	p-isopropyltoluene	15.145	119	764344	58.05	ug/kg	88
95)	1,4-dichlorobenzene	15.132	146	312850	46.13	ug/kg	96
96)	1,2-dichlorobenzene	15.502	146	269321	40.75	ug/kg	96
97)	n-butylbenzene	15.563	91	741747	55.09	ug/kg	88
98)	1,2-dibromo-3-chloropr...	15.981	75	55557	69.56	ug/kg	77
99)	1,3,5-trichlorobenzene	16.796	180	206727	41.91	ug/kg	100
100)	1,2,4-trichlorobenzene	17.335	180	116912	25.83	ug/kg	98
101)	hexachlorobutadiene	17.611	225	196034	54.82	ug/kg	91
102)	naphthalene	17.591	128	85278	16.54	ug/kg	100
103)	1,2,3-trichlorobenzene	17.786	180	90160	23.36	ug/kg	93
104)	2-Methylnaphthalene	18.897	142	15695	6.46	ug/kg	92
105)	1-Methylnaphthalene	18.897	142	15695	7.13	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130816\
Data File : p71089.D
Acq On : 16 Aug 2013 4:17 pm
Operator : krystend
Sample : mc23456-3ms
Misc : ms29678,msp2328,4.895,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 19 09:16:33 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/20/13 16:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130816\
Data File : p71090.D
Acq On : 16 Aug 2013 4:45 pm
Operator : krystend
Sample : mc23456-3msd
Misc : ms29678,msp2328,5.027,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 19 09:17:30 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	405490	500.00	ug/kg	0.00
4) pentafluorobenzene	8.450	168	674948	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	852194	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	520629	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	230573	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	345799	50.91	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 101.82%#			
60) toluene-d8 (s)	11.090	98	1119724	47.43	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 94.86%#			
82) bromofluorobenzene (s)	13.771	95	375793m	64.90	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 129.80%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	498156	550.36	ug/kg	100
3) Ethanol	4.994	45	364016	2926.51	ug/kg	95
5) dichlorodifluoromethane	4.152	85	327718	59.21	ug/kg	98
6) chloromethane	4.111	50	328947	56.86	ug/kg	99
7) vinyl chloride	4.334	62	360983	46.94	ug/kg	95
8) bromomethane	4.798	96	206534	74.16	ug/kg	99
9) chloroethane	4.960	64	195082	62.52	ug/kg	93
10) ethyl ether	5.809	59	249657	64.10	ug/kg	74
11) acetonitrile	5.472	41	178391	65.87	ug/kg	97
12) trichlorofluoromethane	5.566	101	900281	74.21	ug/kg	99
13) freon-113	6.314	101	408648	72.41	ug/kg	95
14) acrolein	5.573	56	128690	359.83	ug/kg	96
15) 1,1-dichloroethene	6.132	96	318017	72.78	ug/kg	90
16) acetone	5.701	58	39520	52.84	ug/kg	93
17) Methyl Acetate	6.321	43	273113	42.36	ug/kg#	89
18) methylene chloride	6.280	84	403788	76.89	ug/kg#	81
19) methyl tert butyl ether	7.048	73	949763	86.75	ug/kg	85
20) acrylonitrile	6.200	53	95946	55.30	ug/kg	96
21) allyl chloride	6.368	41	413075	57.17	ug/kg	85
22) trans-1,2-dichloroethene	6.954	96	306865	51.07	ug/kg	95
23) iodomethane	6.186	142	296157	70.19	ug/kg	88
24) carbon disulfide	6.536	76	948624	60.10	ug/kg	100
25) propionitrile	7.230	54	33502	39.42	ug/kg	100
26) vinyl acetate	7.318	43	280121	31.58	ug/kg	91
27) chloroprene	7.560	53	516980	42.05	ug/kg	97
28) di-isopropyl ether	7.607	45	908229	38.57	ug/kg	82
29) methacrylonitrile	7.729	41	182652	45.70	ug/kg	74
30) 2-butanone	7.621	72	50886	56.34	ug/kg#	36
31) Hexane	7.581	41	546930	40.65	ug/kg	88
32) 1,1-dichloroethane	7.203	63	726414	60.01	ug/kg	98
33) tert-butyl ethyl ether	7.998	59	524003	58.40	ug/kg	94
34) isobutyl alcohol	7.607	43	903201	205.38	ug/kg	85
35) 2,2-dichloropropane	8.045	77	533964	61.58	ug/kg	96
36) cis-1,2-dichloroethene	7.762	96	342637	50.42	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130816\
Data File : p71090.D
Acq On : 16 Aug 2013 4:45 pm
Operator : krystend
Sample : mc23456-3msd
Misc : ms29678,msp2328,5.027,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 19 09:17:30 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.295	43	25723	52.43	ug/kg	89
38) bromochloromethane	7.931	128	128883	52.89	ug/kg#	81
39) chloroform	7.965	83	934156	71.20	ug/kg	100
41) Tetrahydrofuran	8.295	42	85081	41.59	ug/kg	54
42) 1,1,1-trichloroethane	8.699	97	934645	78.66	ug/kg	98
44) Cyclohexane	8.982	56	443383	36.95	ug/kg#	70
45) carbon tetrachloride	9.063	117	787623	88.98	ug/kg	98
46) 1,1-dichloropropene	8.881	75	572065	59.38	ug/kg	95
47) benzene	9.096	78	1444452	59.64	ug/kg	100
48) 1,2-dichloroethane	8.611	62	792602	73.66	ug/kg	98
49) tert-amyl methyl ether	9.231	73	511816	81.72	ug/kg	92
50) heptane	9.581	43	223481	19.77	ug/kg	76
51) trichloroethene	9.716	95	711504	100.04	ug/kg	82
52) 1,2-dichloropropane	9.682	63	344811	51.53	ug/kg	99
53) dibromomethane	9.662	93	251612	73.52	ug/kg	98
54) bromodichloromethane	9.770	83	682462	76.66	ug/kg	99
55) Methylcyclohexane	10.228	83	498206	44.54	ug/kg#	81
56) 2-chloroethyl vinyl ether	10.221	63	9352	68.85	ug/kg#	99
57) methyl methacrylate	9.884	69	247057	68.28	ug/kg	83
58) 1,4-dioxane	9.884	88	18347	331.64	ug/kg	98
59) cis-1,3-dichloropropene	10.390	75	589208	59.13	ug/kg	93
61) 4-methyl-2-pentanone	10.504	43	344649	57.02	ug/kg	96
62) toluene	11.158	92	869881	56.77	ug/kg	97
63) trans-1,3-dichloropropene	10.814	75	519541	56.73	ug/kg	88
64) 1,1,2-trichloroethane	10.982	83	264318	58.34	ug/kg	98
65) ethyl methacrylate	11.198	69	462127	63.18	ug/kg	76
67) tetrachloroethene	11.899	166	351785	51.34	ug/kg	97
68) 1,3-dichloropropane	11.218	76	573413	60.20	ug/kg	99
69) dibromochloromethane	11.494	129	353843	57.31	ug/kg	96
70) 1,2-dibromoethane	11.750	107	275756	49.69	ug/kg	100
71) 2-hexanone	11.366	43	220387	45.47	ug/kg	100
72) chlorobenzene	12.579	112	731597	42.13	ug/kg	91
73) 1,1,1,2-tetrachloroethane	12.498	131	333762	57.25	ug/kg	92
74) ethylbenzene	12.754	91	1656645	50.98	ug/kg	92
75) m,p-xylene	12.943	106	1047221	87.40	ug/kg#	73
76) o-xylene	13.354	106	517223	43.50	ug/kg#	72
77) styrene	13.280	104	392419	22.10	ug/kg	76
78) bromoform	13.098	173	215585	57.32	ug/kg	94
79) trans-1,4-dichloro-2-b...	13.515	53	63330	46.13	ug/kg	91
81) isopropylbenzene	13.717	105	1436897	74.73	ug/kg	95
83) bromobenzene	13.994	156	255236	62.71	ug/kg#	83
84) 1,1,2,2-tetrachloroethane	13.360	83	356774	89.65	ug/kg	97
85) 1,2,3-trichloropropane	13.502	75	429652	103.59	ug/kg	100
86) n-propylbenzene	14.162	91	1493700	68.84	ug/kg	92
87) 2-chlorotoluene	14.277	91	989427	71.39	ug/kg	86
88) 4-chlorotoluene	14.351	91	929696	66.98	ug/kg	85
89) 1,3,5-trimethylbenzene	14.438	105	1123840	70.09	ug/kg	88
90) tert-butylbenzene	14.741	91	833143	78.58	ug/kg	75
91) 1,2,4-trimethylbenzene	14.849	105	1055061	68.22	ug/kg	88
92) sec-butylbenzene	14.964	105	1159447	57.61	ug/kg	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130816\
Data File : p71090.D
Acq On : 16 Aug 2013 4:45 pm
Operator : krystend
Sample : mc23456-3msd
Misc : ms29678,msp2328,5.027,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 19 09:17:30 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

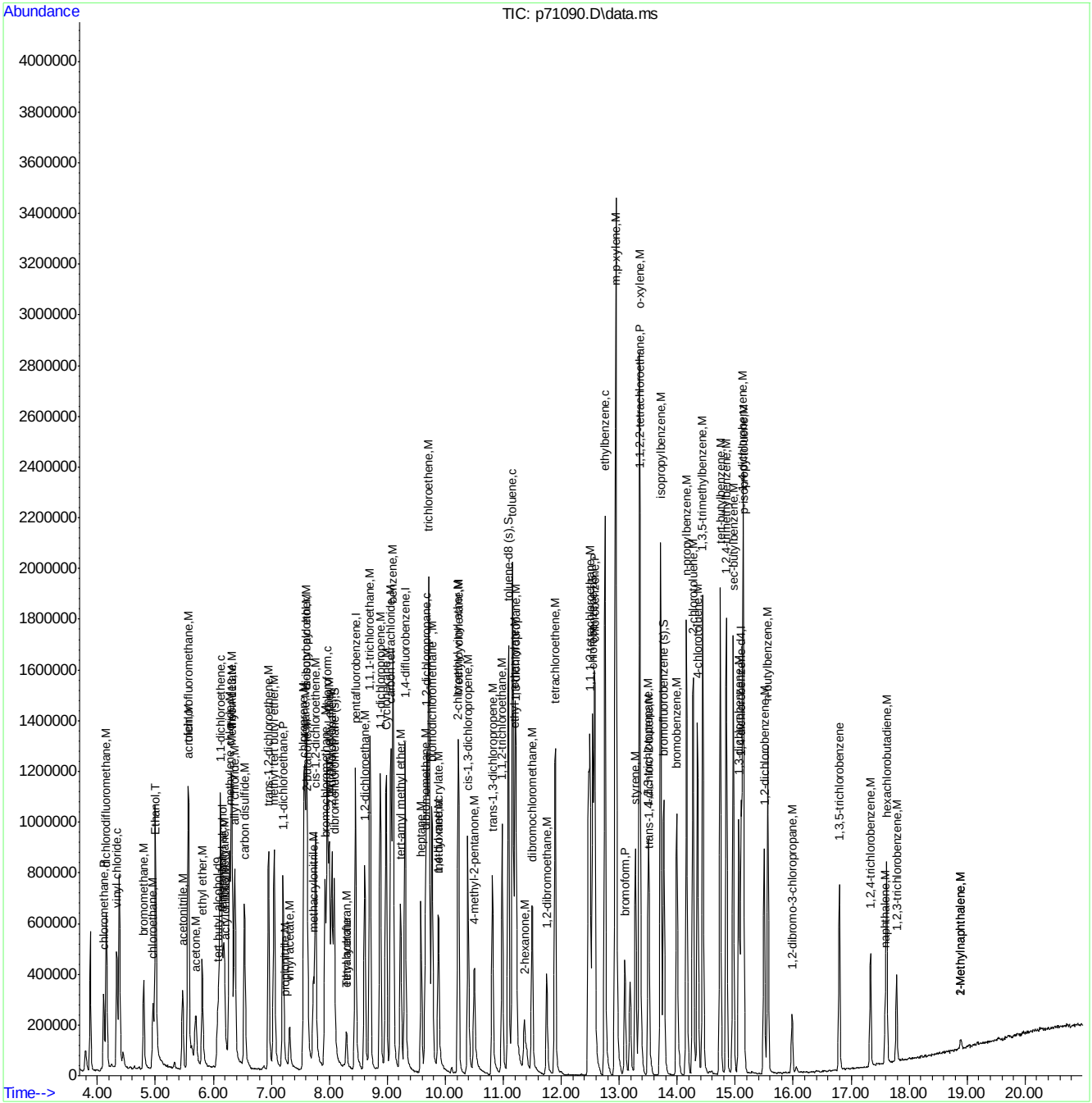
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	359458	47.08	ug/kg	94
94)	p-isopropyltoluene	15.146	119	832828	58.33	ug/kg	88
95)	1,4-dichlorobenzene	15.132	146	362992	49.36	ug/kg	91
96)	1,2-dichlorobenzene	15.503	146	329201	45.94	ug/kg	96
97)	n-butylbenzene	15.563	91	788283	54.00	ug/kg	89
98)	1,2-dibromo-3-chloropr...	15.981	75	74524	84.54	ug/kg	80
99)	1,3,5-trichlorobenzene	16.796	180	213012	39.83	ug/kg	100
100)	1,2,4-trichlorobenzene	17.335	180	125973	25.68	ug/kg	97
101)	hexachlorobutadiene	17.611	225	164798	42.50	ug/kg	93
102)	naphthalene	17.591	128	126541	19.74	ug/kg	100
103)	1,2,3-trichlorobenzene	17.786	180	99200	23.66	ug/kg	96
104)	2-Methylnaphthalene	18.891	142	17868	6.78	ug/kg	94
105)	1-Methylnaphthalene	18.891	142	17868	7.48	ug/kg	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130816\
Data File : p71090.D
Acq On : 16 Aug 2013 4:45 pm
Operator : krystend
Sample : mc23456-3msd
Misc : ms29678,msp2328,5.027,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 19 09:17:30 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/19/13 10:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130585.D
Acq On : 16 Aug 2013 7:36 pm
Operator : jaimem
Sample : mc23505-1ms
Misc : MS29674,MSG5090,4.28,,100,10,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 19 08:03:41 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.083	65	24373	500.00	ppb		0.00
4) pentafluorobenzene	5.069	168	68856	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	113638	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	57567	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	54216	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	59638	55.25	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.50%				
60) toluene-d8 (s)	7.878	98	234564	52.27	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.54%				
82) bromofluorobenzene (s)	10.869	95	94606	52.75	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.50%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.157	59	39165	531.49	ppb		99
3) Ethanol	2.445	45	32908	4700.11	ppb		99
5) dichlorodifluoromethane	1.647	85	43360m	40.36	ppb		
6) chloromethane	1.825	50	45469	48.58	ppb		95
7) vinyl chloride	1.917	62	12108	44.67	ppb		81
8) bromomethane	2.274	96	34272	64.37	ppb		97
9) chloroethane	2.338	64	26355	56.38	ppb		85
10) ethyl ether	2.785	59	43852	47.74	ppb		72
11) acetonitrile	3.415	41	80421	44.67	ppb		94
12) trichlorofluoromethane	2.603	101	90439	58.70	ppb		96
13) freon-113	2.930	101	68505	58.72	ppb		91
14) acrolein	2.903	56	30789	309.27	ppb		98
15) 1,1-dichloroethene	3.090	96	61297	53.04	ppb		93
16) acetone	2.960	58	5446	29.92	ppb	#	84
17) Methyl Acetate	3.372	43	42410	32.65	ppb	#	82
18) methylene chloride	3.530	84	62131	45.35	ppb	#	74
19) methyl tert butyl ether	3.662	73	151419	46.80	ppb		87
20) acrylonitrile	3.634	53	18187	41.84	ppb		99
21) allyl chloride	3.415	41	80421	44.38	ppb		78
22) trans-1,2-dichloroethene	3.799	96	59792	50.68	ppb		91
23) iodomethane	3.383	142	102184	52.25	ppb		92
24) carbon disulfide	3.586	76	172065	50.51	ppb		98
25) propionitrile	4.718	54	6603	41.58	ppb		100
26) vinyl acetate	4.212	43	79163	46.07	ppb		94
27) chloroprene	4.310	53	88538	51.82	ppb		78
28) di-isopropyl ether	4.092	45	171102	41.69	ppb		90
29) methacrylonitrile	4.942	41	38134	44.18	ppb		96
30) 2-butanone	4.637	72	5467	36.77	ppb	#	53
31) Ethyl Acetate	4.807	43	35999	85.14	ug/L	#	99
32) Hexane	3.848	41	56043	53.10	ppb	#	86
33) 1,1-dichloroethane	4.216	63	105097	50.14	ppb		98
34) tert-butyl ethyl ether	4.504	59	167680	46.44	ppb		90
35) isobutyl alcohol	4.954	43	9885	178.34	ppb		78
36) 2,2-dichloropropane	4.792	77	59158	62.46	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130585.D
Acq On : 16 Aug 2013 7:36 pm
Operator : jaimem
Sample : mc23505-1ms
Misc : MS29674,MSG5090,4.28,,100,10,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 19 08:03:41 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.833	96	63998	49.06	ppb		92
38)	bromochloromethane	5.175	128	31312	53.72	ppb	#	79
39)	chloroform	4.999	83	105775	51.71	ppb		98
41)	Tetrahydrofuran	5.220	42	13023	42.48	ppb		72
42)	1,1,1-trichloroethane	5.432	97	89234	53.87	ppb		91
44)	Cyclohexane	5.462	56	130946	61.28	ppb		91
45)	carbon tetrachloride	5.709	117	82787	59.03	ppb		88
46)	1,1-dichloropropene	5.594	75	85899	54.13	ppb		97
47)	benzene	5.894	78	235322	47.67	ppb		98
48)	1,2-dichloroethane	5.874	62	76210	50.62	ppb		98
49)	tert-amyl methyl ether	5.722	73	157375	48.42	ppb		91
50)	heptane	5.742	43	122347	48.41	ppb		75
51)	trichloroethene	6.561	95	65559	50.08	ppb		91
52)	1,2-dichloropropane	6.759	63	59746	47.40	ppb		97
53)	dibromomethane	7.076	93	36829	52.33	ppb		89
54)	bromodichloromethane	7.017	83	73154	53.03	ppb		91
55)	Methylcyclohexane	6.629	83	104535	52.87	ppb	#	80
56)	2-chloroethyl vinyl ether	7.347	63	4605	20.89	ppb		92
57)	methyl methacrylate	6.818	69	33785	44.46	ppb	#	66
58)	1,4-dioxane	7.051	88	2636	211.29	ppb		81
59)	cis-1,3-dichloropropene	7.610	75	92074	47.89	ppb		97
61)	4-methyl-2-pentanone	7.381	43	41364	33.03	ppb		73
62)	toluene	7.965	92	154824	51.95	ppb		97
63)	trans-1,3-dichloropropene	8.162	75	83140	53.95	ppb		93
64)	1,1,2-trichloroethane	8.337	83	44106	50.20	ppb		92
65)	ethyl methacrylate	8.150	69	66440	46.16	ppb	#	73
67)	tetrachloroethene	8.679	166	68610	56.84	ppb		98
68)	1,3-dichloropropane	8.612	76	85280	49.88	ppb		99
69)	dibromochloromethane	8.905	129	53800	52.38	ppb		100
70)	1,2-dibromoethane	9.124	107	53762	52.46	ppb		97
71)	2-hexanone	8.343	43	37108	46.13	ppb	#	1
72)	chlorobenzene	9.581	112	177364	55.26	ppb		94
73)	1,1,1,2-tetrachloroethane	9.627	131	59738	57.03	ppb		98
74)	ethylbenzene	9.636	91	301566	51.60	ppb		96
75)	m,p-xylene	9.720	106	231557	108.18	ppb		92
76)	o-xylene	10.199	106	112885	54.84	ppb		94
77)	styrene	10.237	104	183798	50.21	ppb		93
78)	bromoform	10.611	173	28843	49.11	ppb		98
79)	trans-1,4-dichloro-2-b...	10.645	53	16588	48.18	ppb		79
81)	isopropylbenzene	10.590	105	298152	57.05	ppb		97
83)	bromobenzene	11.080	156	73694	52.97	ppb		90
84)	1,1,2,2-tetrachloroethane	10.783	83	60216	47.06	ppb		93
85)	1,2,3-trichloropropane	10.942	75	47824	46.81	ppb		99
86)	n-propylbenzene	11.029	91	340881	55.26	ppb		95
87)	2-chlorotoluene	11.224	91	237823	54.68	ppb		92
88)	4-chlorotoluene	11.278	91	209269	55.30	ppb		90
89)	1,3,5-trimethylbenzene	11.203	105	246368	51.71	ppb		97
90)	tert-butylbenzene	11.598	91	164509	54.74	ppb		85
91)	1,2,4-trimethylbenzene	11.633	105	247679	51.37	ppb		95
92)	sec-butylbenzene	11.825	105	299666	55.84	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130585.D
Acq On : 16 Aug 2013 7:36 pm
Operator : jaimem
Sample : mc23505-1ms
Misc : MS29674,MSG5090,4.28,,100,10,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 19 08:03:41 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

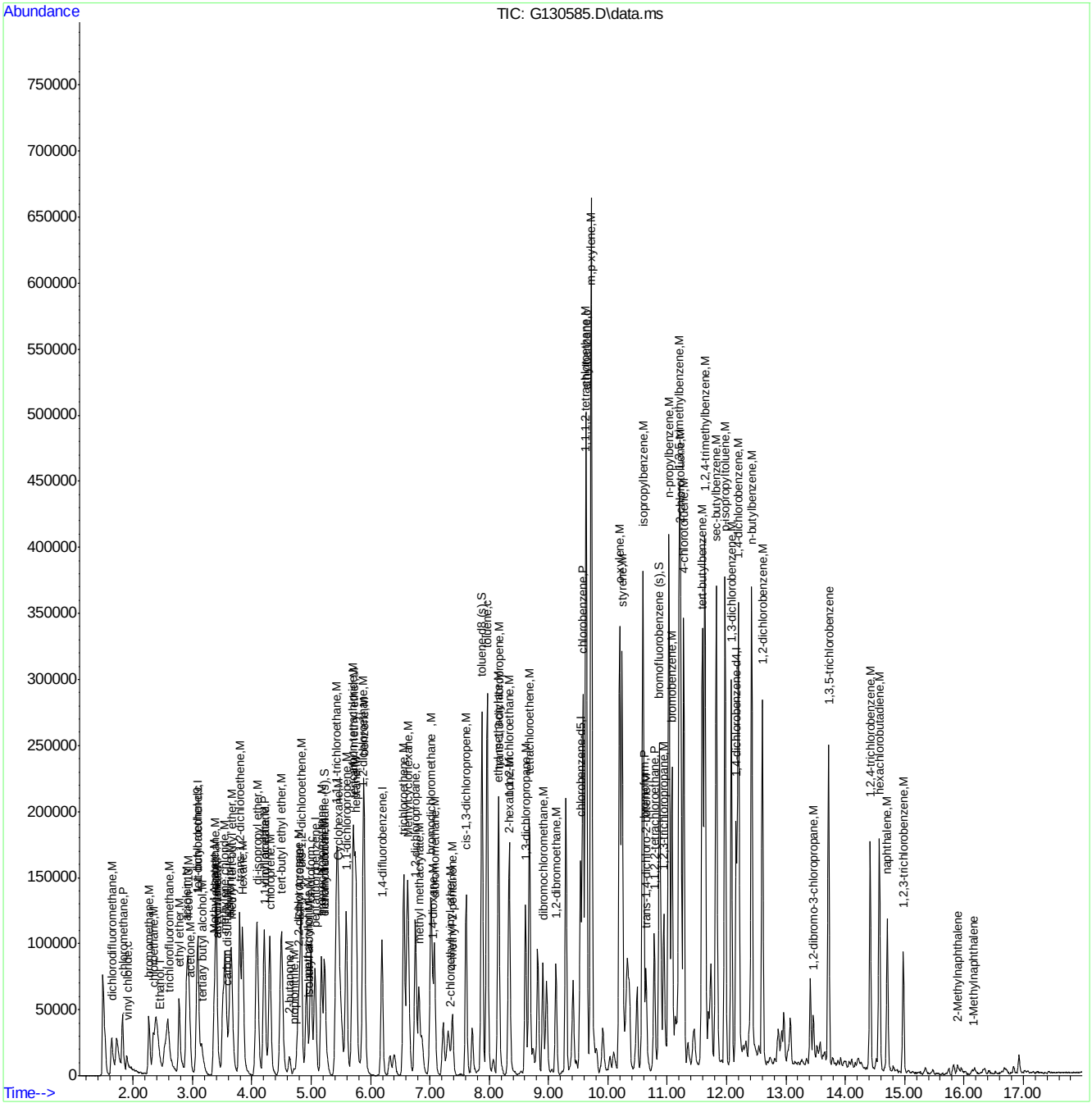
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.081	146	136537	55.00	ppb		95
94)	p-isopropyltoluene	11.975	119	250712	55.52	ppb		95
95)	1,4-dichlorobenzene	12.197	146	139924	51.21	ppb		98
96)	1,2-dichlorobenzene	12.603	146	129289	54.18	ppb		97
97)	n-butylbenzene	12.423	91	232000	52.09	ppb		92
98)	1,2-dibromo-3-chloropr...	13.461	75	7213	37.24	ppb	#	75
99)	1,3,5-trichlorobenzene	13.718	180	85816	49.16	ug/L		100
100)	1,2,4-trichlorobenzene	14.421	180	59205	39.63	ppb		98
101)	hexachlorobutadiene	14.574	225	41188	54.12	ppb		97
102)	naphthalene	14.709	128	99796	29.48	ppb		100
103)	2-Methylnaphthalene	15.888	142	2639	10.09	ug/L	#	84
104)	1-Methylnaphthalene	16.161	142	261m	5.12	ug/L		
105)	1,2,3-trichlorobenzene	14.979	180	32592	25.89	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130585.D
Acq On : 16 Aug 2013 7:36 pm
Operator : jaimem
Sample : mc23505-1ms
Misc : MS29674,MSG5090,4.28,,100,10,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 19 08:03:41 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/19/13 10:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130586.D
Acq On : 16 Aug 2013 8:04 pm
Operator : jaimem
Sample : mc23505-1msd
Misc : MS29674,MSG5090,4.28,,100,10,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 19 08:04:26 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.084	65	25331	500.00	ppb		0.00
4) pentafluorobenzene	5.070	168	68008	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	110884	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	56976	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.161	152	53956	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	59710	56.01	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.02%				
60) toluene-d8 (s)	7.878	98	231024	52.76	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.52%				
82) bromofluorobenzene (s)	10.867	95	91625	51.33	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.66%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.160	59	40912	534.20	ppb		98
3) Ethanol	2.443	45	34152	4693.32	ppb		99
5) dichlorodifluoromethane	1.646	85	41589m	39.19	ppb		
6) chloromethane	1.825	50	44704	48.35	ppb		96
7) vinyl chloride	1.914	62	11549	43.14	ppb		94
8) bromomethane	2.273	96	34047	64.74	ppb		97
9) chloroethane	2.338	64	25922	56.15	ppb		87
10) ethyl ether	2.785	59	43672	48.13	ppb		73
11) acetonitrile	3.414	41	76709	43.14	ppb		91
12) trichlorofluoromethane	2.606	101	88688	58.28	ppb		97
13) freon-113	2.931	101	67012	58.16	ppb		91
14) acrolein	2.904	56	31316	318.48	ppb		99
15) 1,1-dichloroethene	3.091	96	59778	52.37	ppb		92
16) acetone	2.961	58	5386	29.96	ppb	#	59
17) Methyl Acetate	3.374	43	42869	33.42	ppb	#	79
18) methylene chloride	3.531	84	62056	45.86	ppb	#	74
19) methyl tert butyl ether	3.662	73	153050	47.89	ppb		90
20) acrylonitrile	3.634	53	18699	43.55	ppb		97
21) allyl chloride	3.414	41	76709	42.86	ppb		74
22) trans-1,2-dichloroethene	3.799	96	58446	50.16	ppb		90
23) iodomethane	3.384	142	100965	52.27	ppb		88
24) carbon disulfide	3.588	76	173204	51.48	ppb		100
25) propionitrile	4.719	54	6498	41.43	ppb		100
26) vinyl acetate	4.213	43	80978	47.34	ppb		95
27) chloroprene	4.307	53	84936	50.33	ppb		79
28) di-isopropyl ether	4.093	45	168955	41.68	ppb		87
29) methacrylonitrile	4.943	41	38672	45.37	ppb		95
30) 2-butanone	4.638	72	5533	37.68	ppb	#	57
31) Ethyl Acetate	4.808	43	36700	87.89	ug/L	#	100
32) Hexane	3.849	41	54331	52.12	ppb	#	87
33) 1,1-dichloroethane	4.216	63	102345	49.43	ppb		95
34) tert-butyl ethyl ether	4.505	59	169222	47.45	ppb		91
35) isobutyl alcohol	4.956	43	11019	203.01	ppb		77
36) 2,2-dichloropropane	4.793	77	57273	61.22	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130586.D
Acq On : 16 Aug 2013 8:04 pm
Operator : jaimem
Sample : mc23505-1msd
Misc : MS29674,MSG5090,4.28,,100,10,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 19 08:04:26 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.834	96	63775	49.50	ppb		87
38) bromochloromethane	5.175	128	31500	54.71	ppb	#	80
39) chloroform	5.000	83	105063	52.00	ppb		100
41) Tetrahydrofuran	5.220	42	13040	43.07	ppb		73
42) 1,1,1-trichloroethane	5.433	97	87235	53.32	ppb		90
44) Cyclohexane	5.462	56	128605	61.68	ppb		93
45) carbon tetrachloride	5.710	117	82119	60.00	ppb		93
46) 1,1-dichloropropene	5.595	75	83835	54.14	ppb		98
47) benzene	5.894	78	234730	48.73	ppb		100
48) 1,2-dichloroethane	5.875	62	76218	51.89	ppb		98
49) tert-amyl methyl ether	5.723	73	160173	50.50	ppb		92
50) heptane	5.742	43	122131	49.52	ppb		77
51) trichloroethene	6.561	95	64472	50.48	ppb		89
52) 1,2-dichloropropane	6.759	63	59077	48.03	ppb		97
53) dibromomethane	7.076	93	36731	53.48	ppb		95
54) bromodichloromethane	7.018	83	73262	54.43	ppb		92
55) Methylcyclohexane	6.630	83	104045	53.93	ppb	#	82
56) 2-chloroethyl vinyl ether	7.348	63	4857	21.89	ppb		91
57) methyl methacrylate	6.839	69	38711	52.20	ppb	#	67
58) 1,4-dioxane	7.054	88	2684	220.48	ppb		99
59) cis-1,3-dichloropropene	7.610	75	92608	49.36	ppb		94
61) 4-methyl-2-pentanone	7.382	43	41646	34.08	ppb		71
62) toluene	7.965	92	152924	52.58	ppb		97
63) trans-1,3-dichloropropene	8.162	75	83346	55.43	ppb		96
64) 1,1,2-trichloroethane	8.337	83	44663	52.10	ppb		91
65) ethyl methacrylate	8.148	69	66960m	47.68	ppb		
67) tetrachloroethene	8.678	166	67330	56.35	ppb		97
68) 1,3-dichloropropane	8.611	76	86136	50.90	ppb		99
69) dibromochloromethane	8.905	129	55136	54.09	ppb		99
70) 1,2-dibromoethane	9.124	107	53888	53.13	ppb		97
71) 2-hexanone	8.342	43	37538	47.15	ppb	#	1
72) chlorobenzene	9.580	112	176363	55.52	ppb		96
73) 1,1,1,2-tetrachloroethane	9.627	131	60303	58.17	ppb		99
74) ethylbenzene	9.635	91	299795	51.83	ppb		95
75) m,p-xylene	9.719	106	229598	108.37	ppb		91
76) o-xylene	10.198	106	112278	55.11	ppb		92
77) styrene	10.237	104	183873	50.75	ppb		91
78) bromoform	10.611	173	29623	50.77	ppb		99
79) trans-1,4-dichloro-2-b...	10.645	53	16734	49.11	ppb		79
81) isopropylbenzene	10.589	105	294876	56.69	ppb		98
83) bromobenzene	11.080	156	75328	54.40	ppb		89
84) 1,1,2,2-tetrachloroethane	10.784	83	62191	48.84	ppb		94
85) 1,2,3-trichloropropane	10.941	75	48302	47.50	ppb		99
86) n-propylbenzene	11.029	91	339248	55.26	ppb		95
87) 2-chlorotoluene	11.224	91	236991	54.75	ppb		92
88) 4-chlorotoluene	11.278	91	211575	56.18	ppb		89
89) 1,3,5-trimethylbenzene	11.202	105	247462	52.19	ppb		97
90) tert-butylbenzene	11.597	91	163583	54.69	ppb		87
91) 1,2,4-trimethylbenzene	11.633	105	247695	51.62	ppb		96
92) sec-butylbenzene	11.825	105	298688	55.93	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130586.D
Acq On : 16 Aug 2013 8:04 pm
Operator : jaimem
Sample : mc23505-1msd
Misc : MS29674,MSG5090,4.28,,100,10,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 19 08:04:26 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

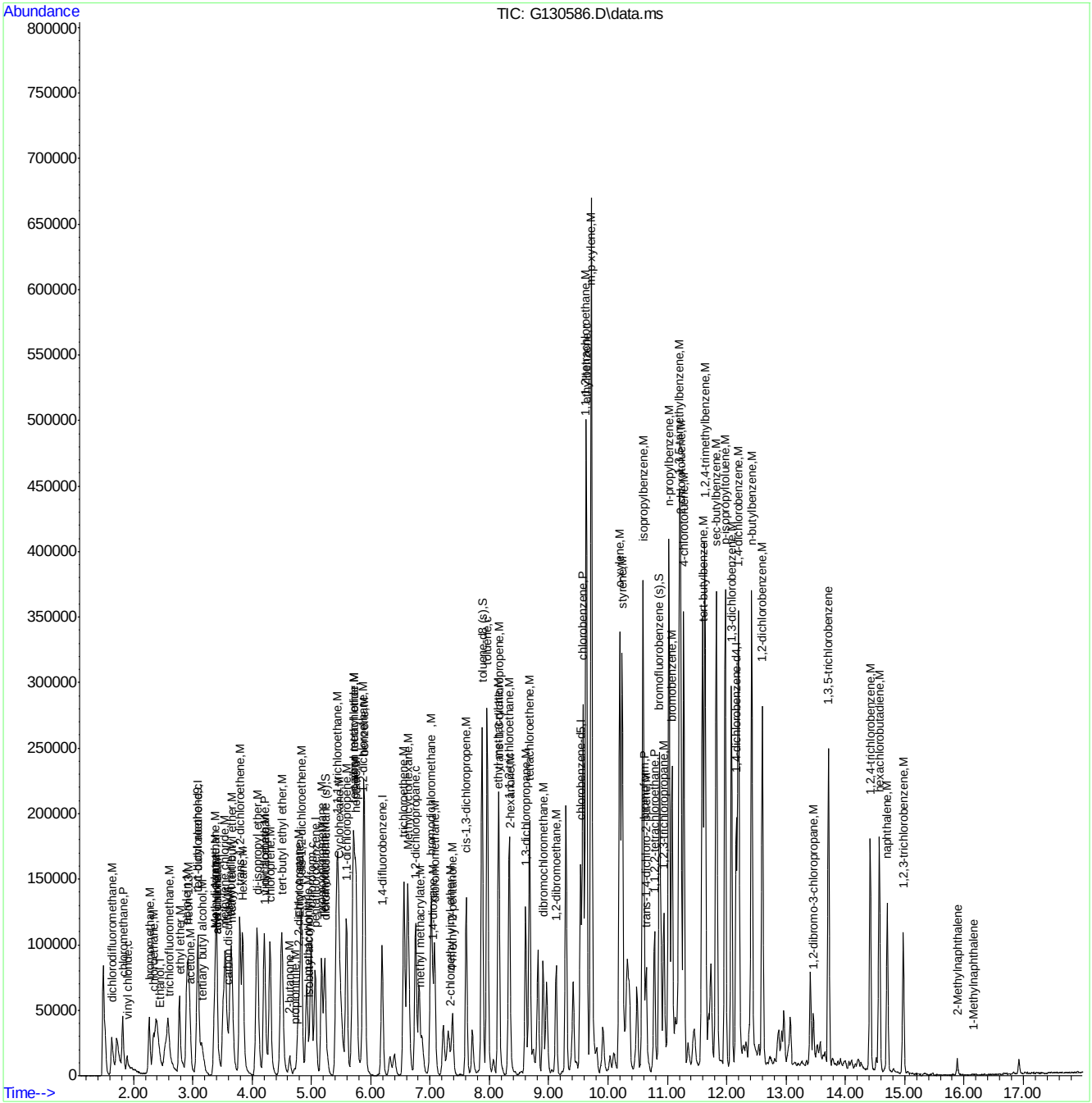
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	136815	55.37	ppb		95
94)	p-isopropyltoluene	11.974	119	247417	55.05	ppb		97
95)	1,4-dichlorobenzene	12.197	146	141119	51.89	ppb		98
96)	1,2-dichlorobenzene	12.602	146	130389	54.90	ppb		97
97)	n-butylbenzene	12.422	91	228053	51.45	ppb		93
98)	1,2-dibromo-3-chloropr...	13.460	75	7487	38.85	ppb	#	67
99)	1,3,5-trichlorobenzene	13.717	180	88159	50.75	ug/L		100
100)	1,2,4-trichlorobenzene	14.420	180	63242	42.54	ppb		99
101)	hexachlorobutadiene	14.573	225	42375	55.95	ppb		98
102)	naphthalene	14.707	128	111043	32.96	ppb		100
103)	2-Methylnaphthalene	15.887	142	6626	13.50	ug/L		98
104)	1-Methylnaphthalene	16.158	142	213m	5.06	ug/L		
105)	1,2,3-trichlorobenzene	14.977	180	37941	30.28	ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130586.D
Acq On : 16 Aug 2013 8:04 pm
Operator : jaimem
Sample : mc23505-1msd
Misc : MS29674,MSG5090,4.28,,100,10,1
ALS Vial : 27 Sample Multiplier: 1

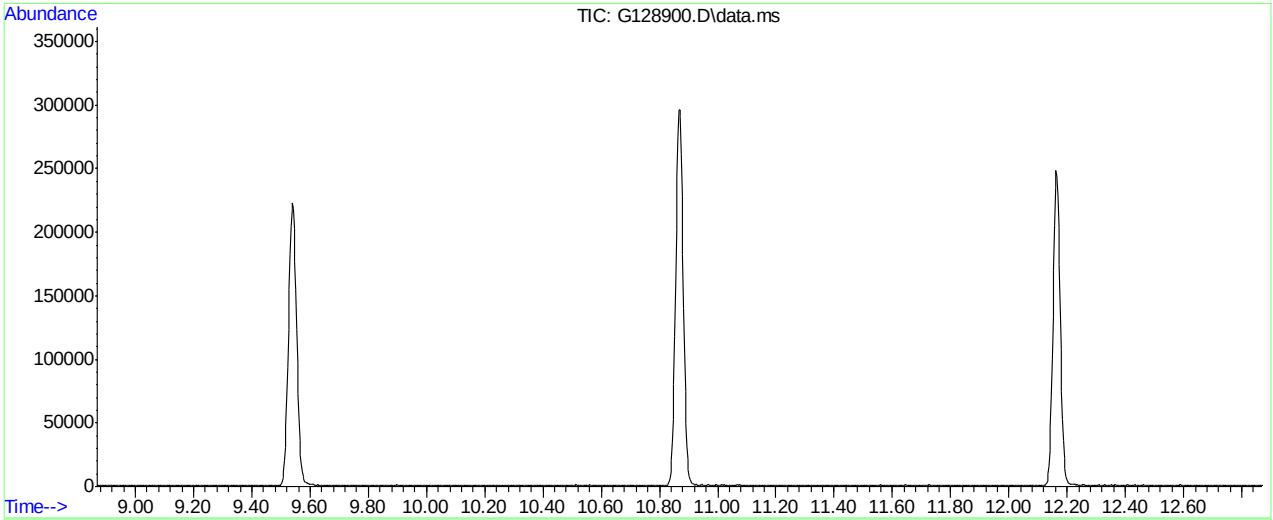
Quant Time: Aug 19 08:04:26 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration



SW-846 Method 8260

Data File : C:\msdchem\1\DATA\G130628\G128900.D Vial: 27
Acq On : 29 Jun 2013 12:19 am Operator: jaimem
Sample : bfb Inst : MSG
Misc : MS29239,MSG5050,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130628s.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Average of 10.866 to 10.872 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.4	10829	PASS
75	95	30	60	44.9	29736	PASS
95	95	100	100	100.0	66213	PASS
96	95	5	9	6.7	4411	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	75.4	49936	PASS
175	174	5	9	6.9	3431	PASS
176	174	95	101	97.1	48498	PASS
177	176	5	9	6.2	3017	PASS

G128900.D g130628s.m Sat Jun 29 09:04:41 2013

Average of 10.866 to 10.872 min.: G128900.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	434	49.05	2274	63.05	1948	76.05	2608
37.10	2546	50.05	10829	64.05	219	77.00	478
38.10	2327	51.10	3322	66.95	109	78.00	284
39.10	947	52.10	165	67.15	62	78.95	1381
41.10	117	55.05	142	68.05	5853	80.00	433
42.05	33	56.05	813	69.05	5995	81.00	1280
43.20	81	57.05	1437	70.05	424	81.95	312
44.05	176	58.05	74	72.05	326	87.05	2974
45.05	547	60.05	486	73.05	2466	88.05	2820
47.15	950	61.05	2512	74.05	9536	91.00	263
48.00	372	62.05	2675	75.05	29736	92.05	1690

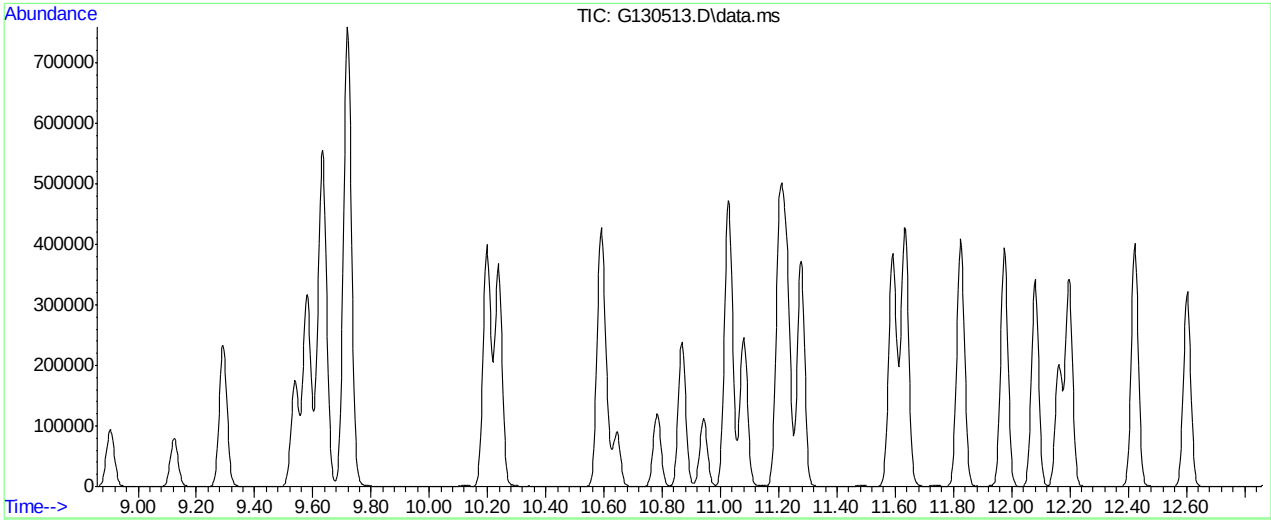
Average of 10.866 to 10.872 min.: G128900.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.05	2365	118.90	323	142.95	611		
94.05	7001	127.90	226	147.90	135		
95.05	66213	128.95	35	154.90	161		
96.05	4411	129.90	243	156.90	138		
97.00	132	130.85	78	173.95	49936		
103.85	231	131.05	35	175.00	3431		
104.95	39	134.90	99	175.95	48498		
105.95	280	136.75	37	176.95	3017		
115.90	174	136.95	68	177.95	34		
116.95	369	140.95	585				
117.90	209	141.95	35				

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\G130815\G130513.D Vial: 2
Acq On : 15 Aug 2013 8:42 am Operator: jaimem
Sample : bfb Inst : MSG
Misc : MS29655,MSG5089,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130628s.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Average of 10.851 to 10.868 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.2	6386	PASS
75	95	30	60	44.3	18584	PASS
95	95	100	100	100.0	41971	PASS
96	95	5	9	7.0	2950	PASS
173	174	0.00	2	0.2	54	PASS
174	95	50	150	76.4	32081	PASS
175	174	5	9	7.4	2379	PASS
176	174	95	101	96.8	31056	PASS
177	176	5	9	6.8	2117	PASS

G130513.D g130628s.m Thu Aug 15 09:23:36 2013

Average of 10.851 to 10.868 min.: G130513.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	316	51.10	2050	67.00	82	77.90	112
37.10	1435	52.00	81	68.05	3623	78.10	79
38.10	1320	54.95	17	69.10	3733	78.95	806
39.10	590	55.10	61	70.05	292	80.00	267
40.05	36	56.10	484	71.95	99	80.95	787
44.10	280	57.05	931	72.10	58	82.00	195
45.10	267	60.05	306	73.05	1459	82.85	14
47.10	523	61.05	1521	74.05	5848	86.05	15
47.95	193	62.05	1490	75.05	18584	87.00	1714
49.10	1245	63.05	1178	76.05	1632	88.00	1635
50.10	6386	64.00	100	77.10	249	91.00	124

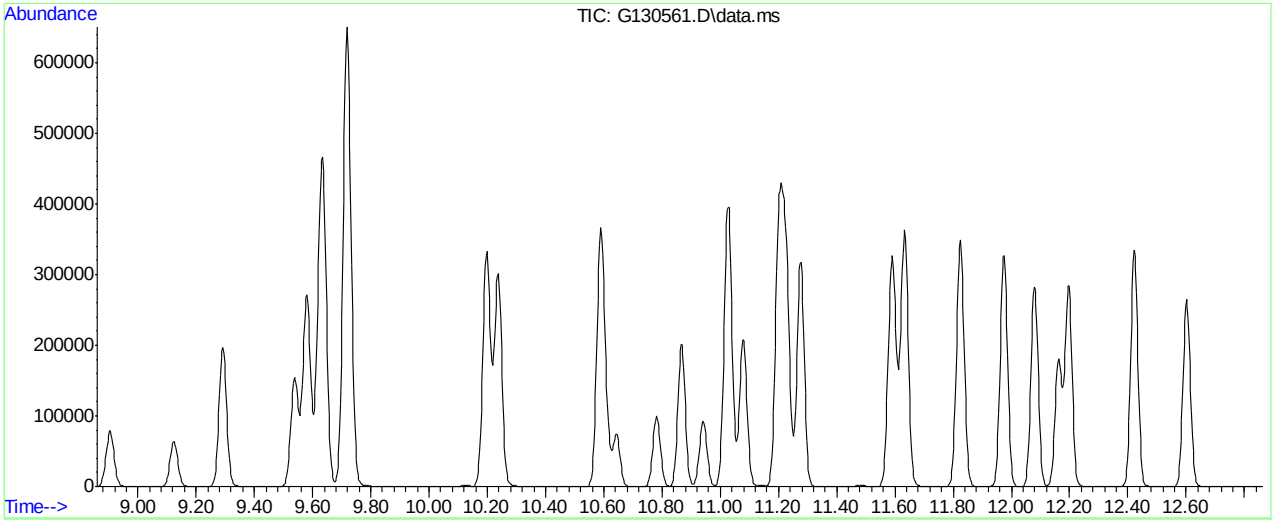
Average of 10.851 to 10.868 min.: G130513.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.05	1018	116.95	212	142.90	381		
93.05	1621	118.00	108	145.95	14		
94.05	4378	118.95	141	147.95	46		
95.05	41971	127.90	102	155.00	109		
96.10	2950	128.90	31	172.90	54		
96.95	30	129.75	16	173.95	32081		
97.15	41	129.90	120	174.95	2379		
104.00	155	135.00	48	175.95	31056		
104.95	18	136.85	18	176.95	2117		
105.95	129	137.05	17	177.95	16		
115.90	111	140.95	346				

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\G130816\G130561.D Vial: 2
Acq On : 16 Aug 2013 8:16 am Operator: jaimem
Sample : bfb Inst : MSG
Misc : MS29663,MSG5090,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130628s.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 3512

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.2	6601	PASS
75	95	30	60	48.0	18408	PASS
95	95	100	100	100.0	38376	PASS
96	95	5	9	7.5	2873	PASS
173	174	0.00	2	0.8	237	PASS
174	95	50	150	76.5	29368	PASS
175	174	5	9	7.3	2142	PASS
176	174	95	101	97.4	28616	PASS
177	176	5	9	6.9	1973	PASS

G130561.D g130628s.m Fri Aug 16 09:08:15 2013

Scan 3512 (10.860 min): G130561.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	281	51.95	129	72.15	195	86.95	1766
37.05	1645	56.05	378	73.05	1562	88.05	1834
38.05	1253	57.05	811	74.05	5500	90.95	105
39.05	505	59.95	318	75.05	18408	92.05	1031
44.05	264	61.05	1581	76.05	1572	93.05	1408
45.15	357	62.05	1397	77.05	201	94.05	4016
47.05	266	63.05	926	77.95	220	95.05	38376
48.05	258	63.95	105	78.95	726	96.05	2873
49.15	1243	68.05	3508	79.95	270	104.05	128
50.05	6601	69.05	3472	80.95	741	105.95	106
51.05	2067	70.05	242	81.95	158	115.85	131

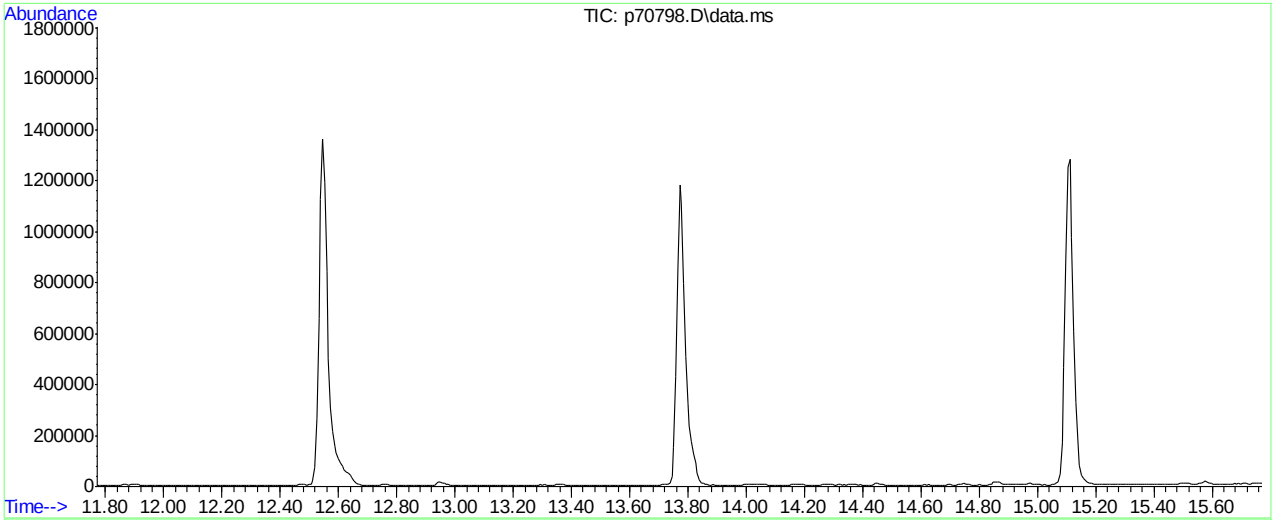
Scan 3512 (10.860 min): G130561.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
116.95	256	175.95	28616				
118.05	158	176.95	1973				
118.95	172						
127.95	160						
129.95	170						
140.95	377						
142.85	291						
172.05	192						
172.95	237						
173.95	29368						
174.95	2142						

SW-846 Method 8260

Data File : C:\msdchem\1\data\P130805\p70798.D Vial: 4
Acq On : 5 Aug 2013 1:05 pm Operator: krystend
Sample : bfb Inst : MSP
Misc : ms29498,msp2318,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 1497

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.1	54912	PASS
75	95	30	60	54.9	130656	PASS
95	95	100	100	100.0	238144	PASS
96	95	5	9	7.1	16968	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	77.0	183424	PASS
175	174	5	9	8.4	15398	PASS
176	174	95	101	100.2	183872	PASS
177	176	5	9	6.6	12112	PASS

p70798.D P130805S.M Tue Aug 06 09:35:36 2013

Scan 1497 (13.771 min): p70798.D\data.ms (-1524)
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	2746	51.00	15569	65.10	545	77.90	1063
37.10	12937	52.10	1013	67.10	765	78.90	6886
38.10	10405	55.00	716	68.00	26480	80.00	2154
39.10	4562	56.10	4842	69.00	26352	80.90	6288
43.10	350	57.10	7011	70.10	1807	81.90	1103
44.00	1700	58.00	342	72.10	1383	82.90	419
45.00	2451	60.00	2170	73.00	11525	87.00	6993
47.00	2117	61.00	12217	74.00	43528	88.00	7630
48.00	1781	62.00	11995	75.10	130656	90.90	1138
49.00	11108	63.10	9893	76.10	10482	92.00	7800
50.00	54912	64.10	678	77.00	1136	93.00	10484

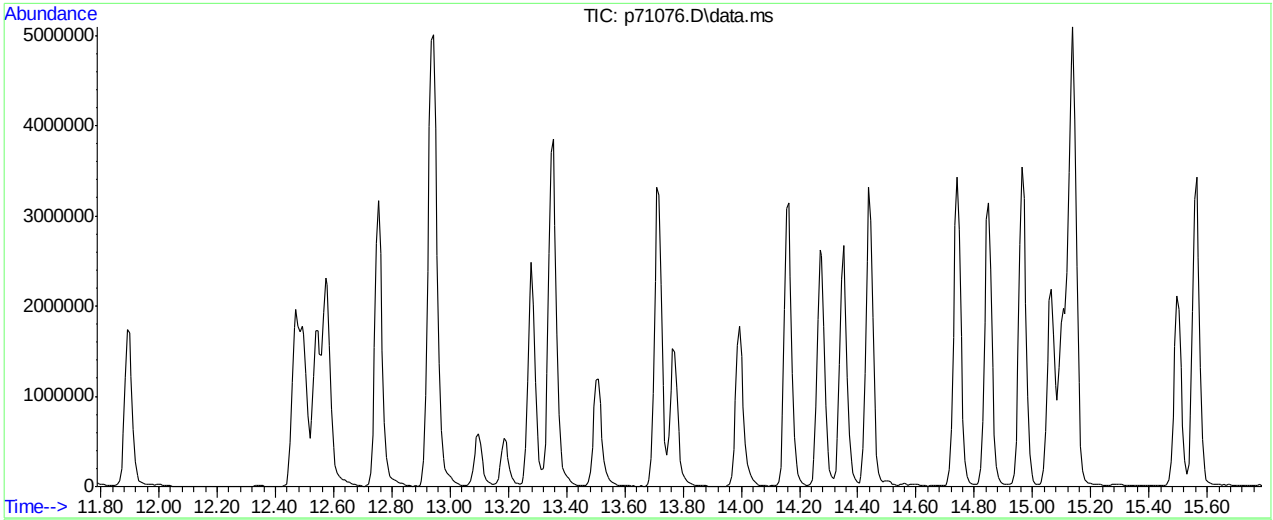
Scan 1497 (13.771 min): p70798.D\data.ms (-1524)
bfb
Modified:subtracted

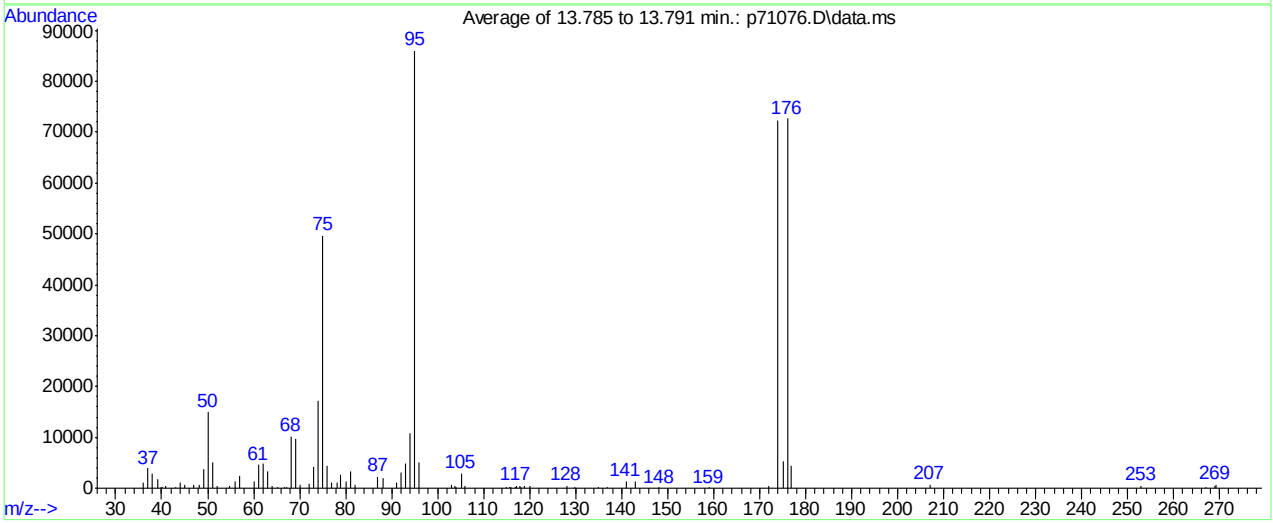
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	27800	128.00	868	147.90	886	208.10	389
95.00	238144	129.00	432	150.00	440	270.00	318
96.10	16968	130.00	763	155.00	603		
97.10	474	130.90	479	157.10	415		
104.00	987	135.00	485	160.80	327		
104.90	573	136.80	400	172.10	311		
106.00	1054	139.90	319	174.00	183424		
115.90	896	141.00	2497	175.00	15398		
116.90	1632	142.00	329	176.00	183872		
117.90	874	142.90	2371	177.00	12112		
118.90	1070	145.90	565	178.00	371		

SW-846 Method 8260

Data File : C:\msdchem\1\data\P130816\p71076.D Vial: 4
Acq On : 16 Aug 2013 10:12 am Operator: krystend
Sample : bfb Inst : MSP
Misc : ms29669,msp2328,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Average of 13.785 to 13.791 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.4	14954	PASS
75	95	30	60	57.6	49596	PASS
95	95	100	100	100.0	86064	PASS
96	95	5	9	5.9	5106	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	84.1	72392	PASS
175	174	5	9	7.3	5278	PASS
176	174	95	101	100.5	72724	PASS
177	176	5	9	6.1	4404	PASS

p71076.D P130805S.M Fri Aug 16 17:06:28 2013

Average of 13.785 to 13.791 min.: p71076.D\data.ms
bs

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1090.5	48.05	683.5	63.05	3247	75.00	49596
37.05	3922.5	49.10	3849.5	64.10	474	76.05	4372.5
38.05	2975	50.10	14954	65.20	194.5	76.95	1064.5
39.10	1751	51.10	4986	66.80	159.5	78.05	1056.5
39.90	251.5	52.05	413.5	67.10	254.5	78.95	2749.5
40.20	202.5	54.85	416.5	68.05	10242	80.00	1360.5
40.80	390	56.00	1421	69.05	9769.5	80.95	3398
43.00	232	57.00	2470.5	70.00	696.5	81.95	647
44.05	1015	60.00	1384	72.10	801.5	87.00	2268
45.10	594.5	61.00	4571	73.05	4121.5	88.05	1895.5
47.00	721	62.10	4783	74.05	17216	91.05	1021.5

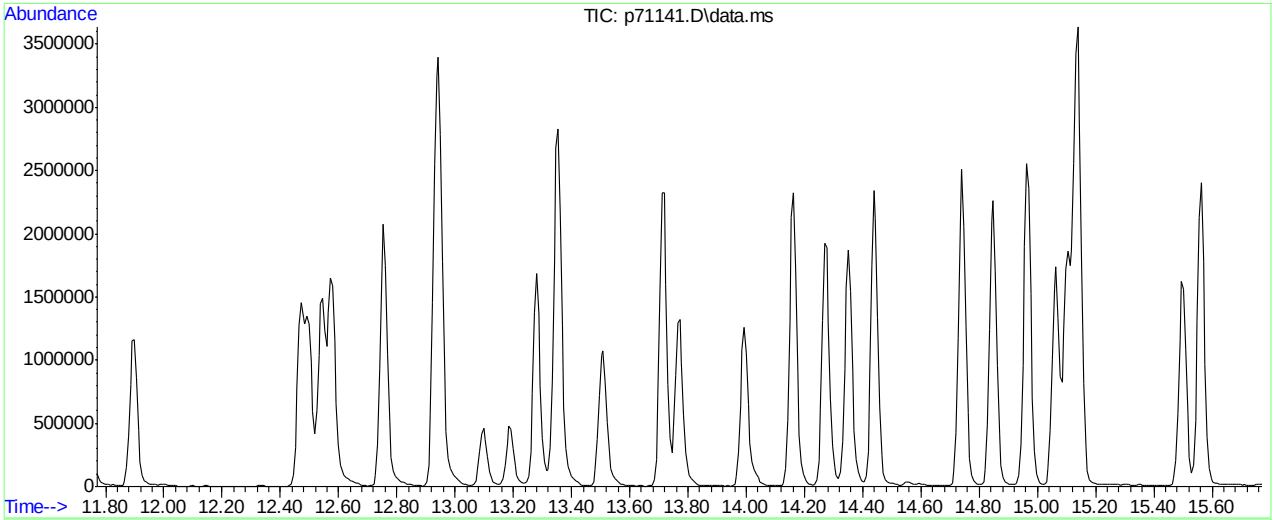
Average of 13.785 to 13.791 min.: p71076.D\data.ms
bs

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.15	3098	115.70	190.5	136.90	178.5	252.95	557.5
93.00	4857.5	116.00	297.5	140.95	1404	267.10	150.5
94.10	10702.5	116.80	255.5	142.95	1336.5	269.00	543
95.05	86064	117.05	547	148.10	178	269.20	717
96.05	5105.5	117.80	370.5	159.00	159.5		
103.00	771	118.00	191	171.90	374		
103.80	489	118.90	518	174.00	72392		
104.00	216	120.05	521.5	175.05	5278		
105.10	2946	128.00	481.5	176.00	72724		
105.90	360	129.90	290	176.95	4404		
114.90	155	135.00	189.5	207.05	671.5		

SW-846 Method 8260

Data File : C:\msdchem\1\data\P130820\p71141.D Vial: 2
Acq On : 20 Aug 2013 9:28 am Operator: krystend
Sample : bfb Inst : MSP
Misc : ms29696,msp2330,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 1497

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.2	51580	PASS
75	95	30	60	59.3	144709	PASS
95	95	100	100	100.0	243840	PASS
96	95	5	9	6.5	15729	PASS
173	174	0.00	2	0.7	1540	PASS
174	95	50	150	87.7	213936	PASS
175	174	5	9	6.5	13961	PASS
176	174	95	101	100.2	214394	PASS
177	176	5	9	6.6	14175	PASS

p71141.D P130805S.M Tue Aug 20 12:14:18 2013

Scan 1497 (13.771 min): p71141.D\data.ms (-1509)
cc2318-50
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	2782	48.00	1406	61.10	14327	73.00	11240
37.10	12602	49.10	11975	62.00	12486	74.00	52880
38.00	11798	50.05	51580	63.00	10161	75.00	144709
39.05	5808	51.05	17160	64.20	722	76.00	11809
40.00	718	52.20	734	65.00	788	77.00	3211
41.05	424	53.00	571	66.00	324	78.00	1314
42.90	694	55.10	952	67.00	622	79.00	8677
44.00	1101	56.00	3477	68.00	29008	80.00	2204
45.10	2938	57.00	7864	69.00	30160	80.95	7951
46.30	406	57.90	392	70.10	2523	81.90	1614
47.00	2984	60.10	2527	72.00	762	83.00	325

Scan 1497 (13.771 min): p71141.D\data.ms (-1509)
cc2318-50
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	7058	105.05	8868	130.00	1082	158.90	736
87.90	6735	105.90	1933	134.90	975	160.90	368
88.70	343	113.00	443	136.90	736	171.90	830
91.00	1874	114.80	627	140.90	4049	173.00	1540
92.00	7702	115.90	1273	142.05	345	174.00	213936
93.00	12359	116.90	1772	142.90	3490	174.90	13961
94.00	30816	117.90	1759	145.90	570	175.95	214394
95.00	243840	118.90	1336	147.80	938	177.00	14175
96.00	15729	120.20	2386	149.90	473	177.90	339
103.20	1413	127.80	707	155.00	437	206.90	717
104.00	1724	128.80	403	157.00	422		

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
07/01/13 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128901.D
Acq On : 29 Jun 2013 12:47 am
Operator : jaimem
Sample : ic5050-0.5
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 29 07:28:30 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:27:21 2013
Response via : Initial Calibration

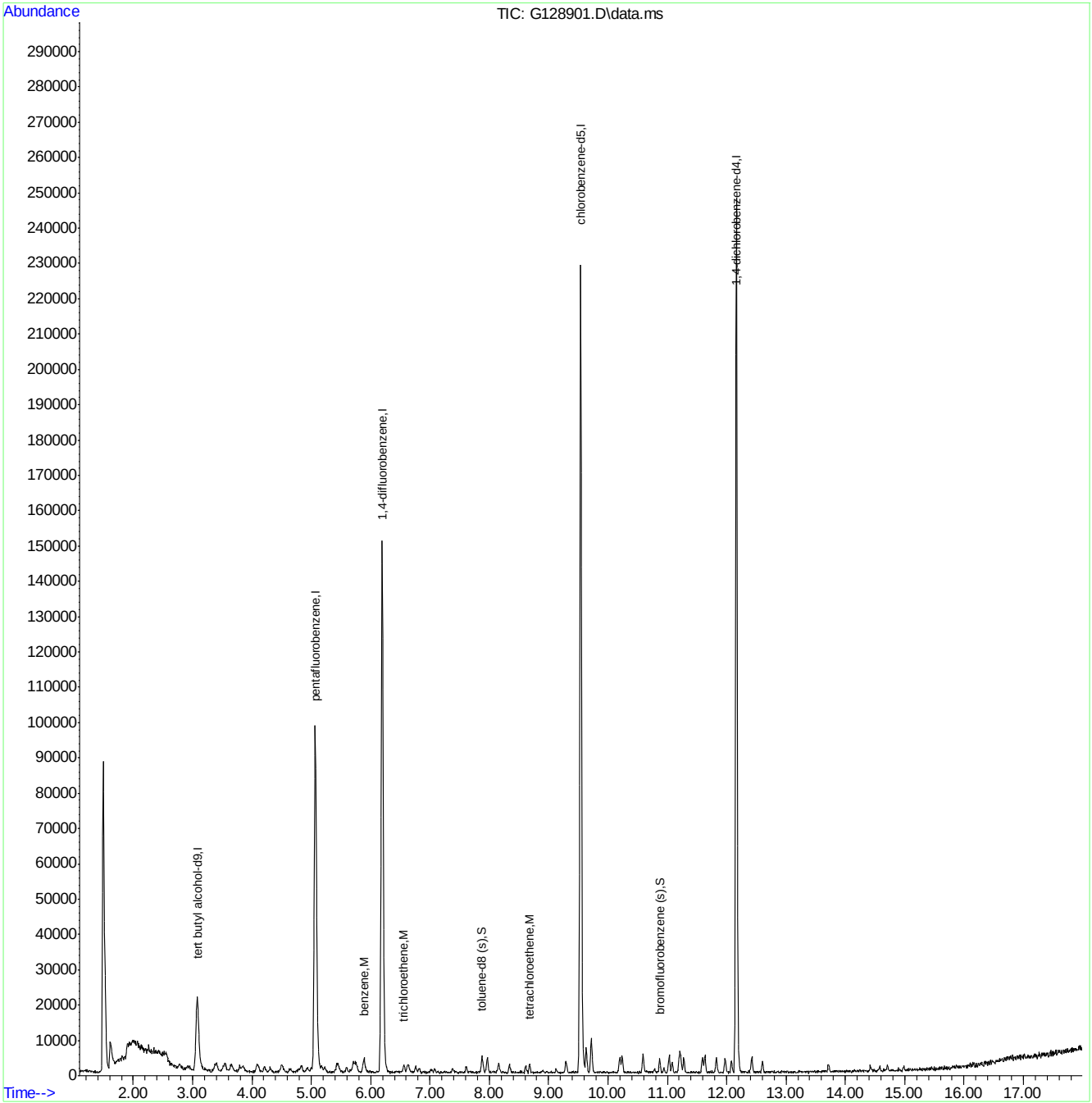
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.084	65	38546	500.00	ppb	0.00
4) pentafluorobenzene	5.073	168	95790	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.197	114	162402	50.00	ppb	0.00
66) chlorobenzene-d5	9.540	82	82833	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.164	152	73583	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	0.000	113	0	0.00	ppb	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
60) toluene-d8 (s)	7.879	98	3682	0.57	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	1.14%#		
82) bromofluorobenzene (s)	10.869	95	1738	0.71	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	1.42%#		
Target Compounds						Qvalue
47) benzene	5.896	78	4074	0.58	ppb	94
51) trichloroethene	6.562	95	1034	0.55	ppb	91
67) tetrachloroethene	8.679	166	902m	0.51	ppb	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128901.D
Acq On : 29 Jun 2013 12:47 am
Operator : jaimem
Sample : ic5050-0.5
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 29 07:28:30 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:27:21 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23456

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
07/01/13 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128902.D
Acq On : 29 Jun 2013 1:15 am
Operator : jaimem
Sample : ic5050-2
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 29 07:44:45 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:28:46 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.084	65	37391	500.00	ppb		0.00
4) pentafluorobenzene	5.074	168	94671	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.197	114	160706	50.00	ppb		0.00
66) chlorobenzene-d5	9.540	82	81286	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.164	152	71899	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.231	113	3124	2.07	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.14%#			
60) toluene-d8 (s)	7.880	98	13864	2.03	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.06%#			
82) bromofluorobenzene (s)	10.868	95	5539	1.91	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	3.82%#			
Target Compounds							Qvalue
5) dichlorodifluoromethane	1.649	85	3618m	2.42	ppb		
7) vinyl chloride	1.894	62	801m	1.96	ppb		
8) bromomethane	2.267	96	1832	2.67	ppb		89
12) trichlorofluoromethane	2.581	101	4076m	1.79	ppb		
15) 1,1-dichloroethene	3.088	96	3700	2.30	ppb		86
16) acetone	2.965	58	709m	2.86	ppb		
18) methylene chloride	3.534	84	4640	2.58	ppb	#	74
19) methyl tert butyl ether	3.663	73	9771	2.18	ppb		95
22) trans-1,2-dichloroethene	3.800	96	3691	2.24	ppb		85
28) di-isopropyl ether	4.094	45	12793	2.27	ppb		95
33) 1,1-dichloroethane	4.216	63	6436	2.20	ppb		95
34) tert-butyl ethyl ether	4.507	59	10938	2.19	ppb		83
37) cis-1,2-dichloroethene	4.835	96	4063	2.25	ppb	#	79
39) chloroform	5.000	83	6471	2.29	ppb		98
42) 1,1,1-trichloroethane	5.432	97	4915	2.14	ppb		92
45) carbon tetrachloride	5.709	117	3670	1.75	ppb		90
47) benzene	5.897	78	16249	2.17	ppb		98
48) 1,2-dichloroethane	5.876	62	4802	2.22	ppb		99
51) trichloroethene	6.563	95	4195	2.14	ppb		93
52) 1,2-dichloropropane	6.761	63	3991	2.22	ppb		92
54) bromodichloromethane	7.018	83	3939	1.97	ppb		91
59) cis-1,3-dichloropropene	7.612	75	5696	2.02	ppb		99
63) trans-1,3-dichloropropene	8.163	75	4361	1.92	ppb		90
64) 1,1,2-trichloroethane	8.337	83	2754	2.16	ppb		81
67) tetrachloroethene	8.680	166	3954	2.25	ppb		93
69) dibromochloromethane	8.905	129	2301	1.65	ppb		94
70) 1,2-dibromoethane	9.126	107	3080	2.08	ppb		100
72) chlorobenzene	9.582	112	10626	2.31	ppb		96
74) ethylbenzene	9.637	91	19532	2.31	ppb		97
75) m,p-xylene	9.721	106	14358	4.57	ppb		99
76) o-xylene	10.200	106	6633	2.20	ppb		94
78) bromoform	10.611	173	1093	1.40	ppb		91
84) 1,1,2,2-tetrachloroethane	10.783	83	3674	2.11	ppb		96
93) 1,3-dichlorobenzene	12.082	146	7619	2.27	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128902.D
Acq On : 29 Jun 2013 1:15 am
Operator : jaimem
Sample : ic5050-2
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 29 07:44:45 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:28:46 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) 1,4-dichlorobenzene	12.199	146	8516	2.32	ppb	93
96) 1,2-dichlorobenzene	12.605	146	7242	2.24	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

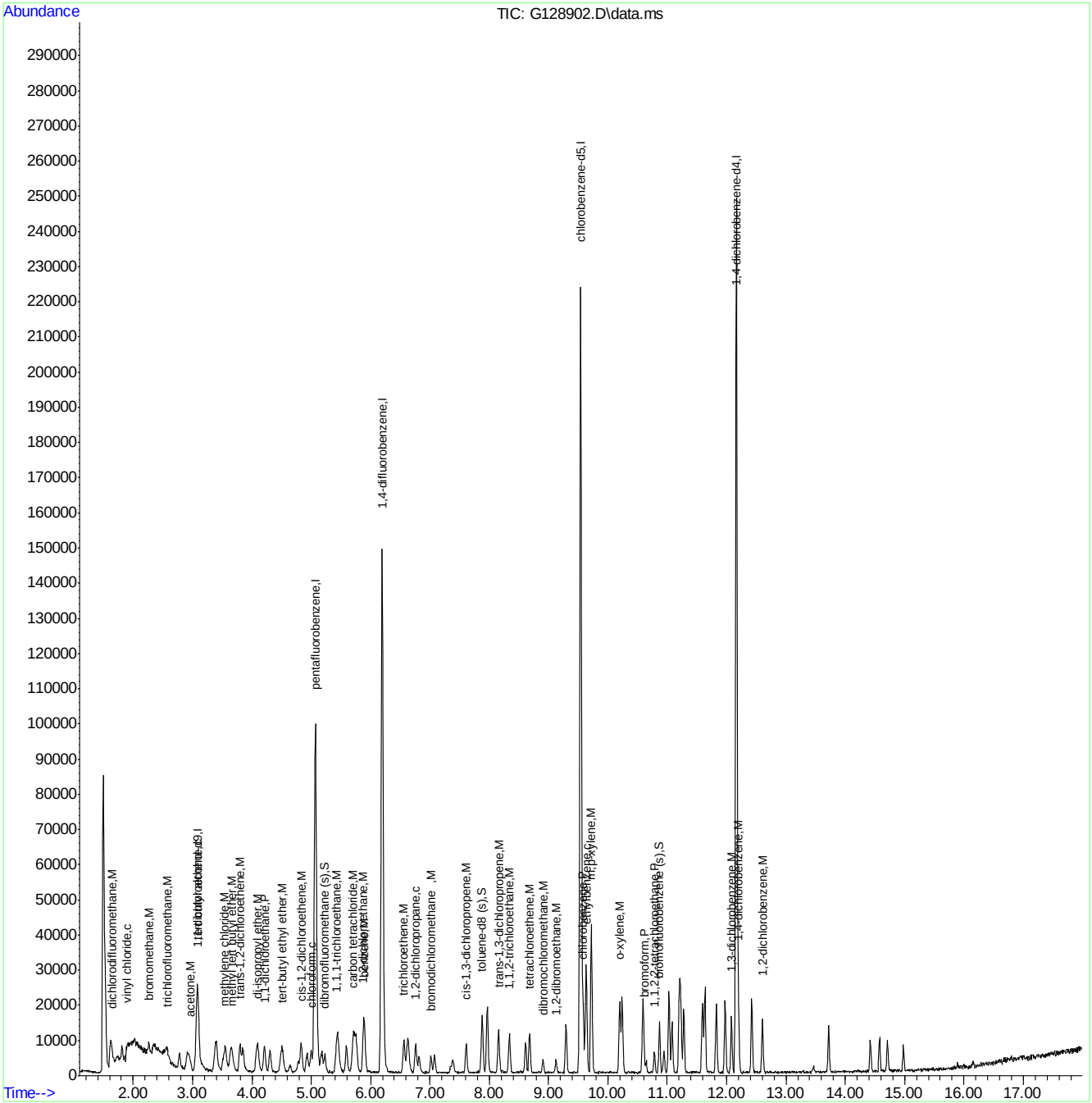
7.6.2

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128902.D
Acq On : 29 Jun 2013 1:15 am
Operator : jaimem
Sample : ic5050-2
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 29 07:44:45 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:28:46 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
07/01/13 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128903.D
Acq On : 29 Jun 2013 1:43 am
Operator : jaimem
Sample : ic5050-5
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 29 07:35:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:32:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.084	65	38596	500.00	ppb		0.00
4) pentafluorobenzene	5.073	168	95780	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.197	114	162322	50.00	ppb		0.00
66) chlorobenzene-d5	9.541	82	82747	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.164	152	73810	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.231	113	7365	4.83	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	9.66%#			
60) toluene-d8 (s)	7.880	98	31438	4.54	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	9.08%#			
82) bromofluorobenzene (s)	10.869	95	12804	4.37	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	8.74%#			
Target Compounds							Qvalue
5) dichlorodifluoromethane	1.648	85	7351m	4.40	ppb		
6) chloromethane	1.819	50	6869	4.84	ppb		93
7) vinyl chloride	1.899	62	1936	4.74	ppb		94
8) bromomethane	2.269	96	3772	4.65	ppb		90
9) chloroethane	2.340	64	3421	5.16	ppb		98
10) ethyl ether	2.782	59	6225	4.74	ppb		74
11) acetonitrile	3.425	41	12759	4.89	ppb		92
12) trichlorofluoromethane	2.596	101	9849	4.51	ppb		99
13) freon-113	2.928	101	8033	4.62	ppb		88
15) 1,1-dichloroethene	3.090	96	7817	4.46	ppb		95
16) acetone	2.961	58	1400	5.58	ppb		93
17) Methyl Acetate	3.378	43	10878	5.96	ppb	#	92
18) methylene chloride	3.536	84	11028	5.29	ppb	#	75
19) methyl tert butyl ether	3.664	73	21458	4.53	ppb		90
21) allyl chloride	3.427	41	13086	5.02	ppb		91
22) trans-1,2-dichloroethene	3.800	96	7961	4.51	ppb		93
23) iodomethane	3.388	142	13438	4.71	ppb		84
24) carbon disulfide	3.594	76	20575	4.17	ppb		94
25) propionitrile	4.720	54	1145	5.09	ppb		100
26) vinyl acetate	4.208	43	9590	3.85	ppb		98
27) chloroprene	4.309	53	11760	4.76	ppb		82
28) di-isopropyl ether	4.095	45	28145	4.62	ppb		97
29) methacrylonitrile	4.934	41	6645	5.46	ppb		84
30) 2-butanone	4.642	72	1157	5.34	ppb	#	45
31) Ethyl Acetate	4.816	43	3654m	6.34	ug/L		
32) Hexane	3.854	41	8538	5.71	ppb		93
33) 1,1-dichloroethane	4.218	63	14272	4.60	ppb		92
34) tert-butyl ethyl ether	4.507	59	23962	4.52	ppb		98
35) isobutyl alcohol	4.963	43	2900m	36.93	ppb		
36) 2,2-dichloropropane	4.793	77	7032	5.20	ppb		98
37) cis-1,2-dichloroethene	4.835	96	8905	4.58	ppb	#	77
38) bromochloromethane	5.176	128	3975	4.81	ppb		92
39) chloroform	5.001	83	13596	4.44	ppb		92
42) 1,1,1-trichloroethane	5.432	97	10933	4.54	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128903.D
Acq On : 29 Jun 2013 1:43 am
Operator : jaimem
Sample : ic5050-5
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 29 07:35:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:32:53 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	Cyclohexane	5.451	56	15631	4.81	ppb	#	76
45)	carbon tetrachloride	5.710	117	9062	4.57	ppb		94
46)	1,1-dichloropropene	5.595	75	11399	4.78	ppb		93
47)	benzene	5.896	78	34493	4.44	ppb		97
48)	1,2-dichloroethane	5.876	62	10470	4.54	ppb		99
49)	tert-amyl methyl ether	5.722	73	22253	4.57	ppb		91
50)	heptane	5.748	43	19890	5.31	ppb		87
51)	trichloroethene	6.563	95	9109	4.50	ppb		91
52)	1,2-dichloropropane	6.761	63	8783	4.58	ppb		97
54)	bromodichloromethane	7.019	83	8375	4.18	ppb		88
55)	Methylcyclohexane	6.631	83	13901	4.66	ppb		88
56)	2-chloroethyl vinyl ether	7.350	63	1569	3.68	ppb	#	47
57)	methyl methacrylate	6.820	69	5400	4.84	ppb	#	76
59)	cis-1,3-dichloropropene	7.612	75	12352	4.32	ppb		96
61)	4-methyl-2-pentanone	7.382	43	9059	4.90	ppb	#	90
62)	toluene	7.967	92	21689	4.86	ppb		95
63)	trans-1,3-dichloropropene	8.163	75	9951	4.42	ppb		98
64)	1,1,2-trichloroethane	8.338	83	6096	4.55	ppb		93
65)	ethyl methacrylate	8.151	69	9946	4.61	ppb	#	74
67)	tetrachloroethene	8.680	166	8679	4.66	ppb		95
68)	1,3-dichloropropane	8.614	76	12119	4.76	ppb		96
69)	dibromochloromethane	8.906	129	5109	3.95	ppb		81
70)	1,2-dibromoethane	9.126	107	6845	4.45	ppb		99
71)	2-hexanone	8.349	43	6600	5.27	ppb		98
72)	chlorobenzene	9.582	112	22518	4.46	ppb		96
73)	1,1,1,2-tetrachloroethane	9.629	131	7033	4.43	ppb		98
74)	ethylbenzene	9.637	91	42250	4.56	ppb		96
75)	m,p-xylene	9.721	106	31026	9.06	ppb		94
76)	o-xylene	10.200	106	14383	4.47	ppb	#	80
77)	styrene	10.238	104	26088	4.67	ppb		89
78)	bromoform	10.612	173	2645	3.91	ppb		74
79)	trans-1,4-dichloro-2-b...	10.646	53	1984	3.83	ppb		93
81)	isopropylbenzene	10.591	105	36713	4.88	ppb		94
83)	bromobenzene	11.082	156	9783	4.94	ppb	#	80
84)	1,1,2,2-tetrachloroethane	10.783	83	8088	4.41	ppb		89
85)	1,2,3-trichloropropane	10.944	75	6999	4.80	ppb		95
86)	n-propylbenzene	11.031	91	43235	4.87	ppb		93
87)	2-chlorotoluene	11.226	91	31627	5.08	ppb		92
88)	4-chlorotoluene	11.279	91	26626	4.94	ppb		95
89)	1,3,5-trimethylbenzene	11.204	105	33125	4.81	ppb		100
90)	tert-butylbenzene	11.600	91	21647	5.08	ppb		86
91)	1,2,4-trimethylbenzene	11.635	105	33361	4.84	ppb		96
92)	sec-butylbenzene	11.827	105	37269	4.82	ppb		97
93)	1,3-dichlorobenzene	12.082	146	16686	4.53	ppb		96
94)	p-isopropyltoluene	11.976	119	30767	4.70	ppb		98
95)	1,4-dichlorobenzene	12.199	146	18721	4.60	ppb		97
96)	1,2-dichlorobenzene	12.605	146	15951	4.54	ppb		94
97)	n-butylbenzene	12.425	91	29609	4.59	ppb		91
98)	1,2-dibromo-3-chloropr...	13.463	75	1067	4.02	ppb	#	54
100)	1,2,4-trichlorobenzene	14.423	180	8394	3.84	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128903.D
Acq On : 29 Jun 2013 1:43 am
Operator : jaimem
Sample : ic5050-5
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 29 07:35:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:32:53 2013
Response via : Initial Calibration

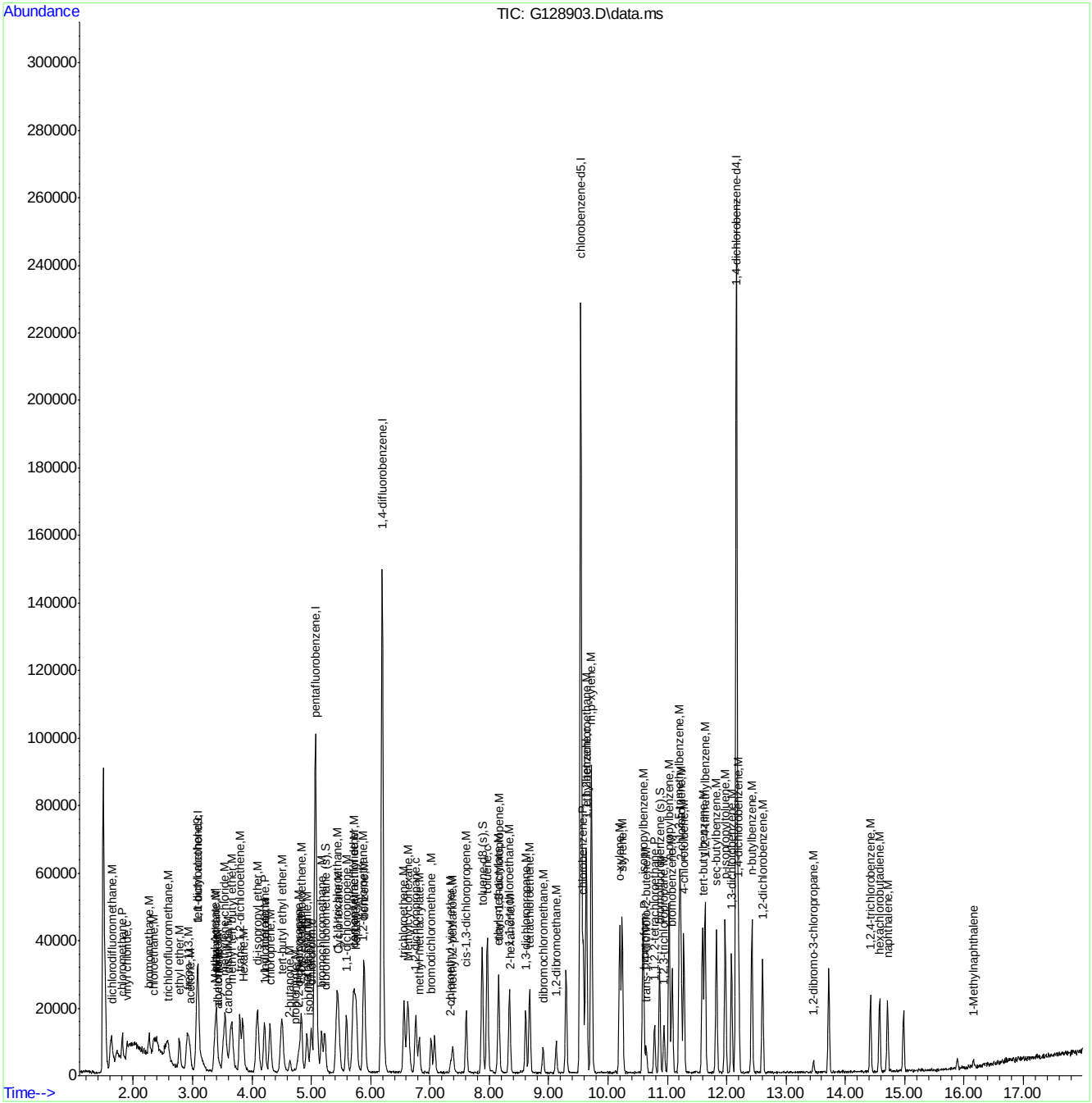
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) hexachlorobutadiene	14.577	225	5190	4.60	ppb	93
102) naphthalene	14.711	128	18557	3.76	ppb	100
104) 1-Methylnaphthalene	16.159	142	1379	1.53	ug/L #	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128903.D
Acq On : 29 Jun 2013 1:43 am
Operator : jaimem
Sample : ic5050-5
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 29 07:35:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:32:53 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
07/01/13 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128904.D
Acq On : 29 Jun 2013 2:11 am
Operator : jaimem
Sample : ic5050-25
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 29 07:36:38 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:36:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.084	65	37661	500.00	ppb		0.00
4) pentafluorobenzene	5.073	168	95345	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.197	114	160850	50.00	ppb		0.00
66) chlorobenzene-d5	9.540	82	82353	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.164	152	75085	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.232	113	37502	25.13	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 50.26%#				
60) toluene-d8 (s)	7.880	98	158584	23.65	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 47.30%#				
82) bromofluorobenzene (s)	10.869	95	61546	21.31	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 42.62%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.160	59	29596	261.18	ppb		95
3) Ethanol	2.448	45	29055m	2604.34	ppb		
5) dichlorodifluoromethane	1.647	85	36856m	23.09	ppb		
6) chloromethane	1.826	50	33126	23.83	ppb		97
7) vinyl chloride	1.900	62	9262	23.17	ppb		70
8) bromomethane	2.273	96	19619	24.88	ppb		92
9) chloroethane	2.339	64	17320	25.83	ppb		78
10) ethyl ether	2.788	59	33212	26.08	ppb		81
11) acetonitrile	3.420	41	65052	25.33	ppb		97
12) trichlorofluoromethane	2.607	101	54724	26.04	ppb		97
13) freon-113	2.929	101	40934	24.58	ppb		88
14) acrolein	2.907	56	17618	127.48	ppb		99
15) 1,1-dichloroethene	3.094	96	40931	24.35	ppb		98
16) acetone	2.964	58	6264	23.70	ppb		89
17) Methyl Acetate	3.375	43	44543	22.37	ppb	#	85
18) methylene chloride	3.536	84	47186	22.32	ppb		84
19) methyl tert butyl ether	3.665	73	112980	24.74	ppb		93
20) acrylonitrile	3.637	53	15431	25.18	ppb		80
21) allyl chloride	3.420	41	65052	25.01	ppb		81
22) trans-1,2-dichloroethene	3.802	96	41897	24.64	ppb		99
23) iodomethane	3.388	142	72401	26.24	ppb		92
24) carbon disulfide	3.596	76	118191	26.23	ppb		97
25) propionitrile	4.720	54	5372	23.77	ppb		100
26) vinyl acetate	4.210	43	61827	28.19	ppb		99
27) chloroprene	4.310	53	61377	25.57	ppb		84
28) di-isopropyl ether	4.096	45	145444	24.62	ppb		93
29) methacrylonitrile	4.936	41	30589	24.15	ppb		76
30) 2-butanone	4.642	72	5499	24.65	ppb	#	72
31) Ethyl Acetate	4.813	43	14766	22.69	ug/L	#	99
32) Hexane	3.851	41	37079	23.27	ppb		93
33) 1,1-dichloroethane	4.219	63	75381	25.06	ppb		98
34) tert-butyl ethyl ether	4.508	59	127384	24.95	ppb		92
35) isobutyl alcohol	4.975	43	10950	113.10	ppb	#	61
36) 2,2-dichloropropane	4.795	77	36812	26.82	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128904.D
Acq On : 29 Jun 2013 2:11 am
Operator : jaimem
Sample : ic5050-25
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 29 07:36:38 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:36:04 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.836	96	46919	24.95	ppb		93
38)	bromochloromethane	5.177	128	20814	25.80	ppb		91
39)	chloroform	5.002	83	72389	24.66	ppb		100
41)	Tetrahydrofuran	5.222	42	10988	25.11	ppb		80
42)	1,1,1-trichloroethane	5.434	97	57927	24.95	ppb		92
44)	Cyclohexane	5.451	56	79656	25.23	ppb	#	83
45)	carbon tetrachloride	5.712	117	50045	26.22	ppb		96
46)	1,1-dichloropropene	5.597	75	58542	25.32	ppb		95
47)	benzene	5.896	78	175802	23.48	ppb		99
48)	1,2-dichloroethane	5.877	62	54306	24.51	ppb		99
49)	tert-amyl methyl ether	5.726	73	120298	26.05	ppb		97
50)	heptane	5.744	43	91522	23.91	ppb		88
51)	trichloroethene	6.563	95	46747	23.90	ppb		87
52)	1,2-dichloropropane	6.761	63	45707	24.76	ppb		100
53)	dibromomethane	7.078	93	25339	24.78	ppb		89
54)	bromodichloromethane	7.020	83	48452	25.83	ppb		99
55)	Methylcyclohexane	6.632	83	72610	25.41	ppb	#	83
56)	2-chloroethyl vinyl ether	7.350	63	9523	25.98	ppb		94
57)	methyl methacrylate	6.819	69	27002	24.81	ppb	#	74
58)	1,4-dioxane	7.054	88	1997	108.33	ppb		86
59)	cis-1,3-dichloropropene	7.612	75	69485	25.69	ppb		95
61)	4-methyl-2-pentanone	7.381	43	43824	24.17	ppb		88
62)	toluene	7.967	92	111865	25.65	ppb		97
63)	trans-1,3-dichloropropene	8.164	75	55532	25.91	ppb		98
64)	1,1,2-trichloroethane	8.337	83	31603	24.55	ppb		89
65)	ethyl methacrylate	8.151	69	52168	25.40	ppb		75
67)	tetrachloroethene	8.680	166	44222	24.26	ppb		99
68)	1,3-dichloropropane	8.613	76	63099	25.50	ppb		96
69)	dibromochloromethane	8.906	129	32305	26.96	ppb		100
70)	1,2-dibromoethane	9.126	107	36718	24.90	ppb		99
71)	2-hexanone	8.347	43	30633	23.93	ppb		97
72)	chlorobenzene	9.582	112	118980	24.56	ppb		95
73)	1,1,1,2-tetrachloroethane	9.629	131	38739	26.00	ppb		98
74)	ethylbenzene	9.637	91	217290	24.26	ppb		96
75)	m,p-xylene	9.721	106	160692	48.66	ppb		91
76)	o-xylene	10.200	106	76433	24.73	ppb		89
77)	styrene	10.239	104	140574	26.16	ppb		90
78)	bromoform	10.613	173	17547	28.09	ppb		98
79)	trans-1,4-dichloro-2-b...	10.645	53	11774	25.85	ppb		95
81)	isopropylbenzene	10.591	105	194628	25.74	ppb		98
83)	bromobenzene	11.082	156	51933	25.93	ppb	#	82
84)	1,1,2,2-tetrachloroethane	10.783	83	44316	24.71	ppb		95
85)	1,2,3-trichloropropane	10.943	75	35881	24.69	ppb		97
86)	n-propylbenzene	11.031	91	229575	25.76	ppb		95
87)	2-chlorotoluene	11.225	91	161686	25.32	ppb		93
88)	4-chlorotoluene	11.279	91	139841	25.66	ppb		88
89)	1,3,5-trimethylbenzene	11.204	105	175989	25.60	ppb		97
90)	tert-butylbenzene	11.600	91	110187	25.21	ppb		83
91)	1,2,4-trimethylbenzene	11.634	105	178772	25.91	ppb		96
92)	sec-butylbenzene	11.827	105	198686	25.73	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128904.D
Acq On : 29 Jun 2013 2:11 am
Operator : jaimem
Sample : ic5050-25
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 29 07:36:38 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:36:04 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.082	146	89756	24.74	ppb		93
94)	p-isopropyltoluene	11.976	119	167002	25.87	ppb		97
95)	1,4-dichlorobenzene	12.198	146	97583	24.22	ppb		97
96)	1,2-dichlorobenzene	12.604	146	85285	24.60	ppb		96
97)	n-butylbenzene	12.424	91	163995	26.05	ppb		94
98)	1,2-dibromo-3-chloropr...	13.462	75	5936	24.37	ppb	#	68
99)	1,3,5-trichlorobenzene	13.720	180	62681	24.68	ug/L		99
100)	1,2,4-trichlorobenzene	14.422	180	52591	26.74	ppb		95
101)	hexachlorobutadiene	14.575	225	27451	24.92	ppb		97
102)	naphthalene	14.710	128	114597	26.07	ppb		100
103)	2-Methylnaphthalene	15.890	142	11577	9.67	ug/L		97
104)	1-Methylnaphthalene	16.158	142	8837	11.97	ug/L		98
105)	1,2,3-trichlorobenzene	14.980	180	41451	22.72	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.4

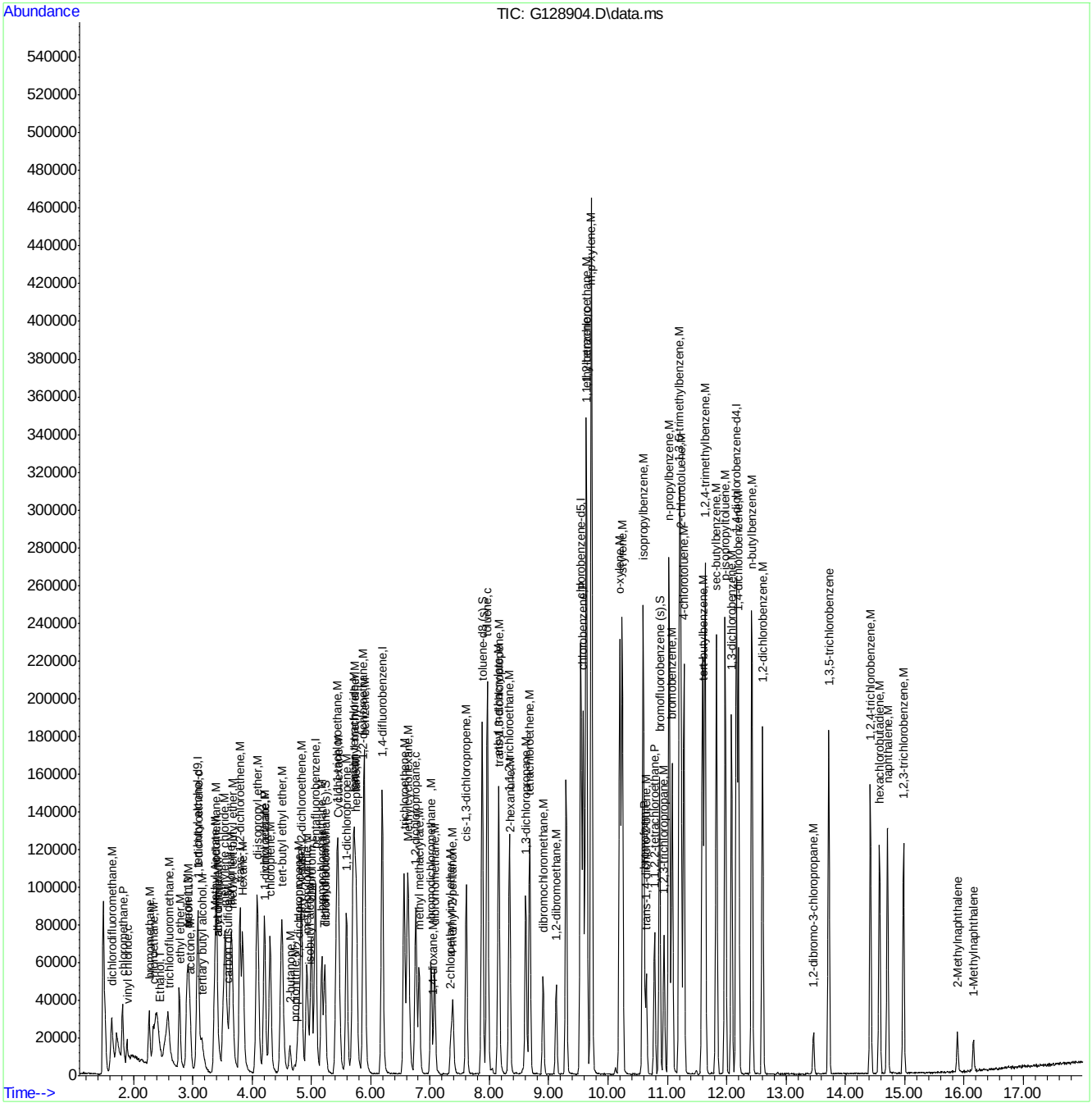
7

ACCUTEST LABORATORIES MC23456

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128904.D
Acq On : 29 Jun 2013 2:11 am
Operator : jaimem
Sample : ic5050-25
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 29 07:36:38 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:36:04 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
07/01/13 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128905.D
Acq On : 29 Jun 2013 2:39 am
Operator : jaimem
Sample : icc5050-50
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 29 07:38:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:37:39 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.088	65	41452	500.00	ppb		0.00
4) pentafluorobenzene	5.073	168	94192	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.197	114	157019	50.00	ppb		0.00
66) chlorobenzene-d5	9.540	82	80513	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.164	152	74097	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.233	113	74973	50.77	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.54%				
60) toluene-d8 (s)	7.880	98	310170	47.91	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.82%				
82) bromofluorobenzene (s)	10.869	95	123644	44.71	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.42%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.163	59	62362	489.07	ppb		98
3) Ethanol	2.453	45	61397	4897.79	ppb		98
5) dichlorodifluoromethane	1.647	85	75485m	48.81	ppb		
6) chloromethane	1.839	50	69790	51.62	ppb		96
7) vinyl chloride	1.911	62	20282	52.31	ppb		85
8) bromomethane	2.279	96	34189	43.94	ppb		98
9) chloroethane	2.339	64	32605	48.68	ppb		80
10) ethyl ether	2.788	59	64589	50.61	ppb		75
11) acetonitrile	3.421	41	128279	50.33	ppb		99
12) trichlorofluoromethane	2.611	101	113163	53.95	ppb		98
13) freon-113	2.936	101	85523	52.28	ppb		90
14) acrolein	2.908	56	34134	247.55	ppb		99
15) 1,1-dichloroethene	3.101	96	80187	48.60	ppb		94
16) acetone	2.966	58	12339	48.09	ppb		88
17) Methyl Acetate	3.376	43	89703	47.26	ppb	#	84
18) methylene chloride	3.537	84	89434	44.00	ppb		85
19) methyl tert butyl ether	3.666	73	222627	49.48	ppb		93
20) acrylonitrile	3.637	53	30269	49.82	ppb		96
21) allyl chloride	3.421	41	128279	49.91	ppb		84
22) trans-1,2-dichloroethene	3.803	96	81885	48.92	ppb		91
23) iodomethane	3.389	142	140417	50.68	ppb		91
24) carbon disulfide	3.599	76	242730	53.65	ppb		98
25) propionitrile	4.722	54	11066	50.39	ppb		100
26) vinyl acetate	4.211	43	122382	54.18	ppb		98
27) chloroprene	4.310	53	121521	50.85	ppb		84
28) di-isopropyl ether	4.096	45	280579	48.25	ppb		92
29) methacrylonitrile	4.933	41	59798	48.33	ppb		73
30) 2-butanone	4.641	72	10662	48.60	ppb	#	69
31) Ethyl Acetate	4.811	43	28345	45.50	ug/L	#	97
32) Hexane	3.850	41	73480	47.78	ppb		93
33) 1,1-dichloroethane	4.219	63	145295	48.87	ppb		96
34) tert-butyl ethyl ether	4.508	59	248830	49.36	ppb		93
35) isobutyl alcohol	4.969	43	19304	208.44	ppb		75
36) 2,2-dichloropropane	4.793	77	66446	47.84	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128905.D
Acq On : 29 Jun 2013 2:39 am
Operator : jaimem
Sample : icc5050-50
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 29 07:38:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:37:39 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.836	96	90027	48.48	ppb		88
38) bromochloromethane	5.178	128	40612	50.42	ppb		90
39) chloroform	5.002	83	140301	48.55	ppb		99
41) Tetrahydrofuran	5.222	42	21612	49.89	ppb		92
42) 1,1,1-trichloroethane	5.435	97	114336	49.87	ppb		92
44) Cyclohexane	5.452	56	157054	50.80	ppb	#	84
45) carbon tetrachloride	5.712	117	102179	54.18	ppb		92
46) 1,1-dichloropropene	5.597	75	115417	50.92	ppb		95
47) benzene	5.896	78	337256	46.71	ppb		96
48) 1,2-dichloroethane	5.877	62	105837	49.18	ppb		99
49) tert-amyl methyl ether	5.725	73	235572	51.53	ppb		92
50) heptane	5.744	43	181202	49.21	ppb		90
51) trichloroethene	6.564	95	91276	48.23	ppb		88
52) 1,2-dichloropropane	6.761	63	87898	48.89	ppb		98
53) dibromomethane	7.079	93	49904	50.22	ppb		88
54) bromodichloromethane	7.020	83	97451	52.78	ppb		99
55) Methylcyclohexane	6.632	83	144433	51.50	ppb	#	83
56) 2-chloroethyl vinyl ether	7.350	63	20610	56.85	ppb		95
57) methyl methacrylate	6.819	69	54010	50.96	ppb	#	73
58) 1,4-dioxane	7.058	88	4499	267.87	ppb		83
59) cis-1,3-dichloropropene	7.612	75	137497	51.71	ppb		95
61) 4-methyl-2-pentanone	7.381	43	89334	51.04	ppb		87
62) toluene	7.967	92	215993	50.29	ppb		98
63) trans-1,3-dichloropropene	8.164	75	111040	52.60	ppb		99
64) 1,1,2-trichloroethane	8.338	83	62231	49.75	ppb		87
65) ethyl methacrylate	8.151	69	104292	51.74	ppb		80
67) tetrachloroethene	8.680	166	86427	48.78	ppb		95
68) 1,3-dichloropropane	8.614	76	123977	50.91	ppb		98
69) dibromochloromethane	8.907	129	69007	57.78	ppb		100
70) 1,2-dibromoethane	9.126	107	73351	50.94	ppb		97
71) 2-hexanone	8.346	43	60947	49.40	ppb		96
72) chlorobenzene	9.582	112	228097	48.38	ppb		94
73) 1,1,1,2-tetrachloroethane	9.629	131	77208	52.31	ppb		99
74) ethylbenzene	9.637	91	418593	48.16	ppb		95
75) m,p-xylene	9.721	106	311165	97.03	ppb		95
76) o-xylene	10.200	106	149030	49.46	ppb		89
77) styrene	10.238	104	271503	50.89	ppb		92
78) bromoform	10.613	173	38794	61.62	ppb		95
79) trans-1,4-dichloro-2-b...	10.646	53	25226	56.01	ppb		92
81) isopropylbenzene	10.591	105	377701	50.12	ppb		99
83) bromobenzene	11.082	156	99412	49.69	ppb	#	82
84) 1,1,2,2-tetrachloroethane	10.783	83	89587	50.77	ppb		92
85) 1,2,3-trichloropropane	10.944	75	73137	51.21	ppb		99
86) n-propylbenzene	11.031	91	445569	50.15	ppb		93
87) 2-chlorotoluene	11.225	91	312785	49.42	ppb		89
88) 4-chlorotoluene	11.279	91	270592	49.87	ppb		89
89) 1,3,5-trimethylbenzene	11.204	105	345953	50.59	ppb		96
90) tert-butylbenzene	11.600	91	214054	49.49	ppb		86
91) 1,2,4-trimethylbenzene	11.635	105	346001	50.21	ppb		96
92) sec-butylbenzene	11.827	105	387796	50.40	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128905.D
Acq On : 29 Jun 2013 2:39 am
Operator : jaimem
Sample : icc5050-50
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 29 07:38:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:37:39 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.082	146	173213	48.51	ppb		93
94) p-isopropyltoluene	11.976	119	328302	50.94	ppb		96
95) 1,4-dichlorobenzene	12.199	146	188948	47.90	ppb		98
96) 1,2-dichlorobenzene	12.605	146	166472	48.85	ppb		96
97) n-butylbenzene	12.425	91	324120	51.45	ppb		92
98) 1,2-dibromo-3-chloropr...	13.463	75	13325	55.91	ppb	#	68
99) 1,3,5-trichlorobenzene	13.720	180	125327	50.32	ug/L		99
100) 1,2,4-trichlorobenzene	14.423	180	109827	55.30	ppb		98
101) hexachlorobutadiene	14.576	225	56588	52.12	ppb		100
102) naphthalene	14.710	128	247500	56.25	ppb		100
103) 2-Methylnaphthalene	15.890	142	29528	28.19	ug/L		97
104) 1-Methylnaphthalene	16.158	142	22591	31.45	ug/L		95
105) 1,2,3-trichlorobenzene	14.980	180	90010	52.39	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

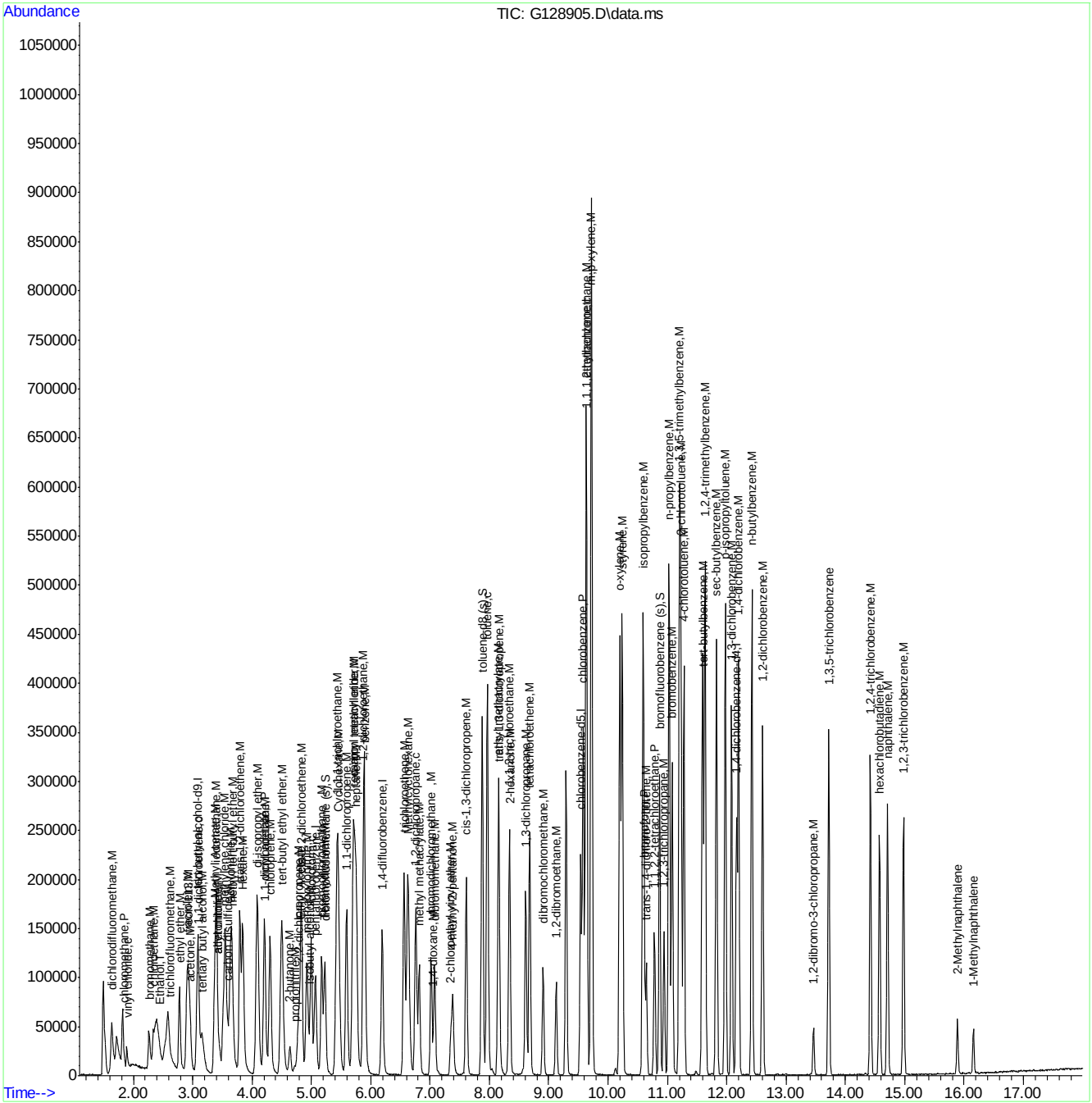
7.6.5

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128905.D
Acq On : 29 Jun 2013 2:39 am
Operator : jaimem
Sample : icc5050-50
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 29 07:38:07 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:37:39 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
07/01/13 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128906.D
Acq On : 29 Jun 2013 3:07 am
Operator : jaimem
Sample : ic5050-100
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 29 07:39:47 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:38:58 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.088	65	40779	500.00	ppb		0.00
4) pentafluorobenzene	5.073	168	95470	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.197	114	160857	50.00	ppb		0.00
66) chlorobenzene-d5	9.540	82	82281	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.164	152	75633	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.233	113	150564	100.60	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 201.20%#				
60) toluene-d8 (s)	7.880	98	608396	91.73	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 183.46%#				
82) bromofluorobenzene (s)	10.869	95	240676	85.26	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 170.52%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.162	59	123597	985.29	ppb		96
3) Ethanol	2.452	45	118985	9648.38	ppb		97
5) dichlorodifluoromethane	1.647	85	138610m	88.06	ppb		
6) chloromethane	1.827	50	124734	91.03	ppb		98
7) vinyl chloride	1.918	62	37048	94.27	ppb		98
8) bromomethane	2.285	96	67712	85.86	ppb		97
9) chloroethane	2.337	64	63409	93.40	ppb		83
10) ethyl ether	2.788	59	127206	98.34	ppb		78
11) acetonitrile	3.419	41	248033	96.02	ppb		97
12) trichlorofluoromethane	2.614	101	215488	101.35	ppb		97
13) freon-113	2.934	101	160601	96.85	ppb		89
14) acrolein	2.909	56	69705	498.75	ppb		97
15) 1,1-dichloroethene	3.100	96	152498	91.20	ppb		93
16) acetone	2.965	58	23159	89.06	ppb	#	79
17) Methyl Acetate	3.376	43	177325	92.18	ppb	#	87
18) methylene chloride	3.536	84	172119	83.54	ppb	#	83
19) methyl tert butyl ether	3.665	73	441752	96.86	ppb		93
20) acrylonitrile	3.638	53	60854	98.82	ppb		97
21) allyl chloride	3.419	41	248253	95.30	ppb		85
22) trans-1,2-dichloroethene	3.802	96	158543	93.45	ppb		94
23) iodomethane	3.387	142	269252	95.87	ppb		89
24) carbon disulfide	3.600	76	481426	104.99	ppb		100
25) propionitrile	4.722	54	21910	98.44	ppb		100
26) vinyl acetate	4.209	43	265285	115.86	ppb		98
27) chloroprene	4.313	53	236649	97.71	ppb		80
28) di-isopropyl ether	4.096	45	550965	93.49	ppb		92
29) methacrylonitrile	4.931	41	115849	92.38	ppb		72
30) 2-butanone	4.642	72	20054	90.19	ppb	#	70
31) Ethyl Acetate	4.810	43	54760	86.72	ug/L	#	98
32) Hexane	3.849	41	140406	90.07	ppb		91
33) 1,1-dichloroethane	4.219	63	282922	93.88	ppb		98
34) tert-butyl ethyl ether	4.508	59	490264	95.95	ppb		93
35) isobutyl alcohol	4.958	43	34288	365.28	ppb		92
36) 2,2-dichloropropane	4.796	77	132159	93.88	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128906.D
Acq On : 29 Jun 2013 3:07 am
Operator : jaimem
Sample : ic5050-100
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 29 07:39:47 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:38:58 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.837	96	174771	92.86	ppb		90
38) bromochloromethane	5.178	128	81236	99.50	ppb		91
39) chloroform	5.003	83	276910	94.54	ppb		99
41) Tetrahydrofuran	5.221	42	43113	98.18	ppb		81
42) 1,1,1-trichloroethane	5.436	97	228721	98.42	ppb		95
44) Cyclohexane	5.451	56	300741	94.95	ppb	#	82
45) carbon tetrachloride	5.713	117	207071	107.18	ppb		99
46) 1,1-dichloropropene	5.597	75	222448	95.80	ppb		96
47) benzene	5.896	78	655437	88.62	ppb		98
48) 1,2-dichloroethane	5.877	62	207620	94.17	ppb		99
49) tert-amyl methyl ether	5.721	73	454375	97.03	ppb		91
50) heptane	5.743	43	353424	93.70	ppb		89
51) trichloroethene	6.564	95	176391	90.99	ppb		85
52) 1,2-dichloropropane	6.761	63	175012	95.02	ppb		98
53) dibromomethane	7.079	93	100372	98.59	ppb		89
54) bromodichloromethane	7.020	83	201508	106.53	ppb		99
55) Methylcyclohexane	6.632	83	278558	96.96	ppb	#	82
56) 2-chloroethyl vinyl ether	7.350	63	45522	122.57	ppb		95
57) methyl methacrylate	6.819	69	108769	100.19	ppb	#	73
58) 1,4-dioxane	7.060	88	9124	530.27	ppb		85
59) cis-1,3-dichloropropene	7.612	75	274175	100.66	ppb		95
61) 4-methyl-2-pentanone	7.380	43	175754	98.03	ppb		87
62) toluene	7.967	92	421073	95.71	ppb		97
63) trans-1,3-dichloropropene	8.164	75	223318	103.25	ppb		95
64) 1,1,2-trichloroethane	8.338	83	122692	95.75	ppb		89
65) ethyl methacrylate	8.151	69	205521	99.53	ppb		76
67) tetrachloroethene	8.680	166	165315	91.30	ppb		97
68) 1,3-dichloropropane	8.614	76	248035	99.67	ppb		97
69) dibromochloromethane	8.907	129	149411	122.41	ppb		99
70) 1,2-dibromoethane	9.126	107	147907	100.50	ppb		97
71) 2-hexanone	8.345	43	112133	88.94	ppb		96
72) chlorobenzene	9.582	112	444061	92.16	ppb		90
73) 1,1,1,2-tetrachloroethane	9.629	131	155206	102.90	ppb		97
74) ethylbenzene	9.637	91	808761	91.06	ppb		95
75) m,p-xylene	9.721	106	598791	182.70	ppb		93
76) o-xylene	10.200	106	287938	93.50	ppb		90
77) styrene	10.239	104	521686	95.69	ppb		92
78) bromoform	10.613	173	85599	133.05	ppb		95
79) trans-1,4-dichloro-2-b...	10.646	53	51609	112.14	ppb		86
81) isopropylbenzene	10.591	105	732603	95.24	ppb		97
83) bromobenzene	11.082	156	194525	95.25	ppb	#	81
84) 1,1,2,2-tetrachloroethane	10.784	83	178839	99.29	ppb		97
85) 1,2,3-trichloropropane	10.944	75	142725	97.91	ppb		98
86) n-propylbenzene	11.031	91	865746	95.46	ppb		93
87) 2-chlorotoluene	11.225	91	601427	93.09	ppb		90
88) 4-chlorotoluene	11.279	91	525025	94.80	ppb		89
89) 1,3,5-trimethylbenzene	11.204	105	670198	96.01	ppb		98
90) tert-butylbenzene	11.600	91	417365	94.53	ppb		85
91) 1,2,4-trimethylbenzene	11.635	105	675614	96.04	ppb		96
92) sec-butylbenzene	11.827	105	747619	95.20	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128906.D
Acq On : 29 Jun 2013 3:07 am
Operator : jaimem
Sample : ic5050-100
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 29 07:39:47 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:38:58 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.082	146	336214	92.24	ppb		94
94)	p-isopropyltoluene	11.976	119	630745	95.88	ppb		95
95)	1,4-dichlorobenzene	12.199	146	368280	91.47	ppb		96
96)	1,2-dichlorobenzene	12.604	146	324040	93.16	ppb		96
97)	n-butylbenzene	12.425	91	621025	96.57	ppb		93
98)	1,2-dibromo-3-chloropr...	13.462	75	28636	117.70	ppb	#	68
99)	1,3,5-trichlorobenzene	13.720	180	244059	96.01	ug/L		99
100)	1,2,4-trichlorobenzene	14.422	180	220021	108.54	ppb		99
101)	hexachlorobutadiene	14.576	225	105726	95.39	ppb		98
102)	naphthalene	14.710	128	503565	112.13	ppb		100
103)	2-Methylnaphthalene	15.890	142	65151	60.93	ug/L		99
104)	1-Methylnaphthalene	16.158	142	49204	67.11	ug/L		95
105)	1,2,3-trichlorobenzene	14.980	180	179143	102.14	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

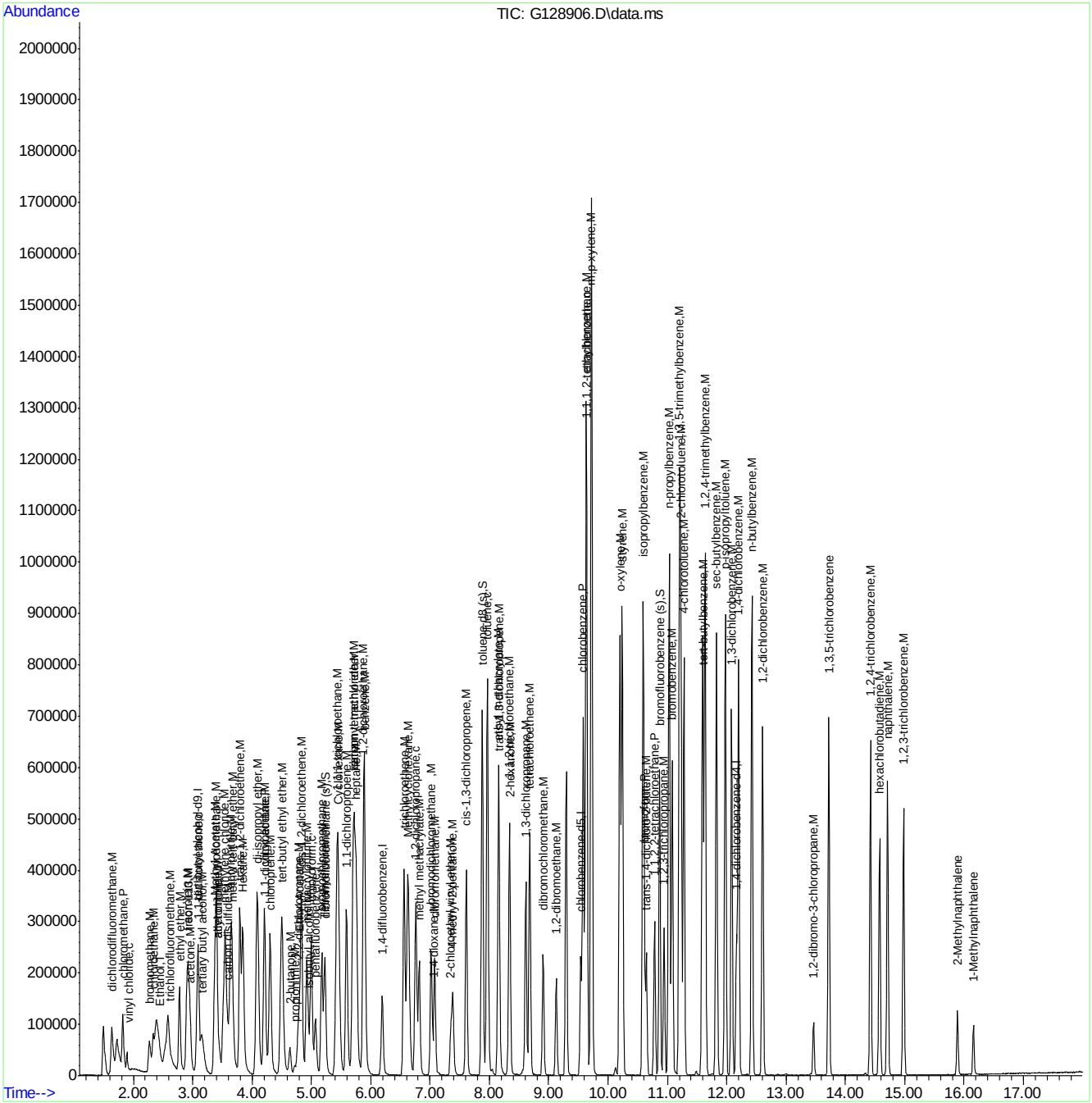
7.6.6

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128906.D
Acq On : 29 Jun 2013 3:07 am
Operator : jaimem
Sample : ic5050-100
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 29 07:39:47 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:38:58 2013
Response via : Initial Calibration



G128907.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski 07/01/13 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128907.D
Acq On : 29 Jun 2013 3:36 am
Operator : jaimem
Sample : ic5050-200
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 29 07:40:58 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:40:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.094	65	43147	500.00	ppb		0.00
4) pentafluorobenzene	5.072	168	95884	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.197	114	161724	50.00	ppb		0.00
66) chlorobenzene-d5	9.540	82	83409	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.165	152	78837	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.233	113	296104	196.69	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 393.38%#				
60) toluene-d8 (s)	7.880	98	1171862	178.20	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 356.40%#				
82) bromofluorobenzene (s)	10.869	95	474645	165.37	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 330.74%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.167	59	252188	1909.42	ppb		95
3) Ethanol	2.453	45	232220	18008.11	ppb		97
5) dichlorodifluoromethane	1.648	85	276805m	179.38	ppb		
6) chloromethane	1.828	50	243034	180.65	ppb		95
7) vinyl chloride	1.914	62	68750	176.21	ppb		100
8) bromomethane	2.291	96	133224	173.10	ppb		98
9) chloroethane	2.336	64	122640	182.89	ppb		83
10) ethyl ether	2.787	59	251081	194.08	ppb		79
11) acetonitrile	3.421	41	475400	185.09	ppb		97
12) trichlorofluoromethane	2.614	101	422632	197.39	ppb		96
13) freon-113	2.941	101	308939	186.98	ppb		92
14) acrolein	2.907	56	132917	947.73	ppb		98
15) 1,1-dichloroethene	3.109	96	295012	178.81	ppb		95
16) acetone	2.966	58	42298	166.51	ppb	#	79
17) Methyl Acetate	3.375	43	335961	177.36	ppb	#	84
18) methylene chloride	3.537	84	335240	167.53	ppb	#	81
19) methyl tert butyl ether	3.665	73	873777	191.97	ppb		92
20) acrylonitrile	3.638	53	117457	190.66	ppb		96
21) allyl chloride	3.421	41	477027	184.50	ppb		84
22) trans-1,2-dichloroethene	3.802	96	306102	182.03	ppb		94
23) iodomethane	3.387	142	520169	186.34	ppb		91
24) carbon disulfide	3.599	76	953533	204.50	ppb		99
25) propionitrile	4.722	54	43286	194.39	ppb		100
26) vinyl acetate	4.209	43	515685	215.70	ppb		99
27) chloroprene	4.313	53	451251	186.58	ppb		82
28) di-isopropyl ether	4.095	45	1079825	184.84	ppb		92
29) methacrylonitrile	4.932	41	226369	183.23	ppb		70
30) 2-butanone	4.641	72	39405	180.89	ppb	#	71
31) Ethyl Acetate	4.810	43	108387	176.77	ug/L	#	97
32) Hexane	3.848	41	268641	175.95	ppb		91
33) 1,1-dichloroethane	4.219	63	544102	181.99	ppb		97
34) tert-butyl ethyl ether	4.508	59	966582	189.89	ppb		93
35) isobutyl alcohol	4.964	43	72759	827.52	ppb		79
36) 2,2-dichloropropane	4.796	77	241342	173.35	ppb		97

ACCUTEST LABORATORIES MC23456

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128907.D
Acq On : 29 Jun 2013 3:36 am
Operator : jaimem
Sample : ic5050-200
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 29 07:40:58 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:40:34 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.836	96	339074	181.98	ppb		92
38)	bromochloromethane	5.178	128	159001	194.15	ppb		91
39)	chloroform	5.002	83	535121	183.91	ppb		100
41)	Tetrahydrofuran	5.220	42	82512	188.24	ppb		86
42)	1,1,1-trichloroethane	5.437	97	442860	190.35	ppb		94
44)	Cyclohexane	5.452	56	572879	182.20	ppb		87
45)	carbon tetrachloride	5.713	117	406990	206.56	ppb		100
46)	1,1-dichloropropene	5.597	75	431517	186.81	ppb		95
47)	benzene	5.897	78	1257977	172.44	ppb		97
48)	1,2-dichloroethane	5.877	62	408032	186.25	ppb		100
49)	tert-amyl methyl ether	5.724	73	918868	196.62	ppb		91
50)	heptane	5.743	43	677008	181.38	ppb		88
51)	trichloroethene	6.564	95	341627	177.95	ppb		86
52)	1,2-dichloropropane	6.761	63	342116	186.61	ppb		98
53)	dibromomethane	7.079	93	197038	193.42	ppb		89
54)	bromodichloromethane	7.020	83	407949	211.75	ppb		98
55)	Methylcyclohexane	6.634	83	541785	189.01	ppb	#	84
56)	2-chloroethyl vinyl ether	7.350	63	99757	252.89	ppb		95
57)	methyl methacrylate	6.819	69	212153	194.28	ppb	#	74
58)	1,4-dioxane	7.060	88	18052	1022.88	ppb		69
59)	cis-1,3-dichloropropene	7.612	75	546290	199.22	ppb		93
61)	4-methyl-2-pentanone	7.379	43	353647	197.16	ppb		88
62)	toluene	7.967	92	804735	183.90	ppb		97
63)	trans-1,3-dichloropropene	8.164	75	443942	202.84	ppb		96
64)	1,1,2-trichloroethane	8.338	83	240223	188.06	ppb		91
65)	ethyl methacrylate	8.151	69	405792	195.69	ppb		76
67)	tetrachloroethene	8.681	166	316306	174.87	ppb		95
68)	1,3-dichloropropane	8.614	76	481577	191.05	ppb		99
69)	dibromochloromethane	8.907	129	309173	239.16	ppb		99
70)	1,2-dibromoethane	9.126	107	292511	195.87	ppb		98
71)	2-hexanone	8.345	43	217357	174.90	ppb		95
72)	chlorobenzene	9.583	112	861399	179.17	ppb		92
73)	1,1,1,2-tetrachloroethane	9.629	131	301617	195.84	ppb		99
74)	ethylbenzene	9.638	91	1535895	173.69	ppb		95
75)	m,p-xylene	9.722	106	1119730	342.96	ppb		89
76)	o-xylene	10.201	106	555104	180.16	ppb		91
77)	styrene	10.239	104	1012854	185.27	ppb		91
78)	bromoform	10.613	173	182965	263.15	ppb		97
79)	trans-1,4-dichloro-2-b...	10.646	53	105835	220.17	ppb		78
81)	isopropylbenzene	10.592	105	1398153	176.48	ppb		97
83)	bromobenzene	11.083	156	377100	179.27	ppb	#	82
84)	1,1,2,2-tetrachloroethane	10.784	83	362155	193.17	ppb		94
85)	1,2,3-trichloropropane	10.944	75	288573	190.91	ppb		97
86)	n-propylbenzene	11.031	91	1654610	177.04	ppb		94
87)	2-chlorotoluene	11.226	91	1158865	175.11	ppb		89
88)	4-chlorotoluene	11.280	91	1024211	179.75	ppb		89
89)	1,3,5-trimethylbenzene	11.205	105	1291159	179.23	ppb		97
90)	tert-butylbenzene	11.600	91	804427	177.21	ppb		84
91)	1,2,4-trimethylbenzene	11.636	105	1304510	179.69	ppb		95
92)	sec-butylbenzene	11.827	105	1446018	178.79	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128907.D
Acq On : 29 Jun 2013 3:36 am
Operator : jaimem
Sample : ic5050-200
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 29 07:40:58 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:40:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.083	146	660384	176.56	ppb		94
94) p-isopropyltoluene	11.977	119	1224030	180.36	ppb		95
95) 1,4-dichlorobenzene	12.200	146	728595	176.62	ppb		97
96) 1,2-dichlorobenzene	12.605	146	646376	180.76	ppb		95
97) n-butylbenzene	12.425	91	1226357	184.53	ppb		93
98) 1,2-dibromo-3-chloropr...	13.463	75	61128	230.83	ppb	#	70
99) 1,3,5-trichlorobenzene	13.720	180	491365	187.94	ug/L		100
100) 1,2,4-trichlorobenzene	14.423	180	448183	207.68	ppb		99
101) hexachlorobutadiene	14.576	225	211910	185.57	ppb		98
102) naphthalene	14.711	128	1025007	212.52	ppb		100
103) 2-Methylnaphthalene	15.890	142	153304	128.20	ug/L		98
104) 1-Methylnaphthalene	16.158	142	111257	134.10	ug/L		96
105) 1,2,3-trichlorobenzene	14.980	180	367846	199.79	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

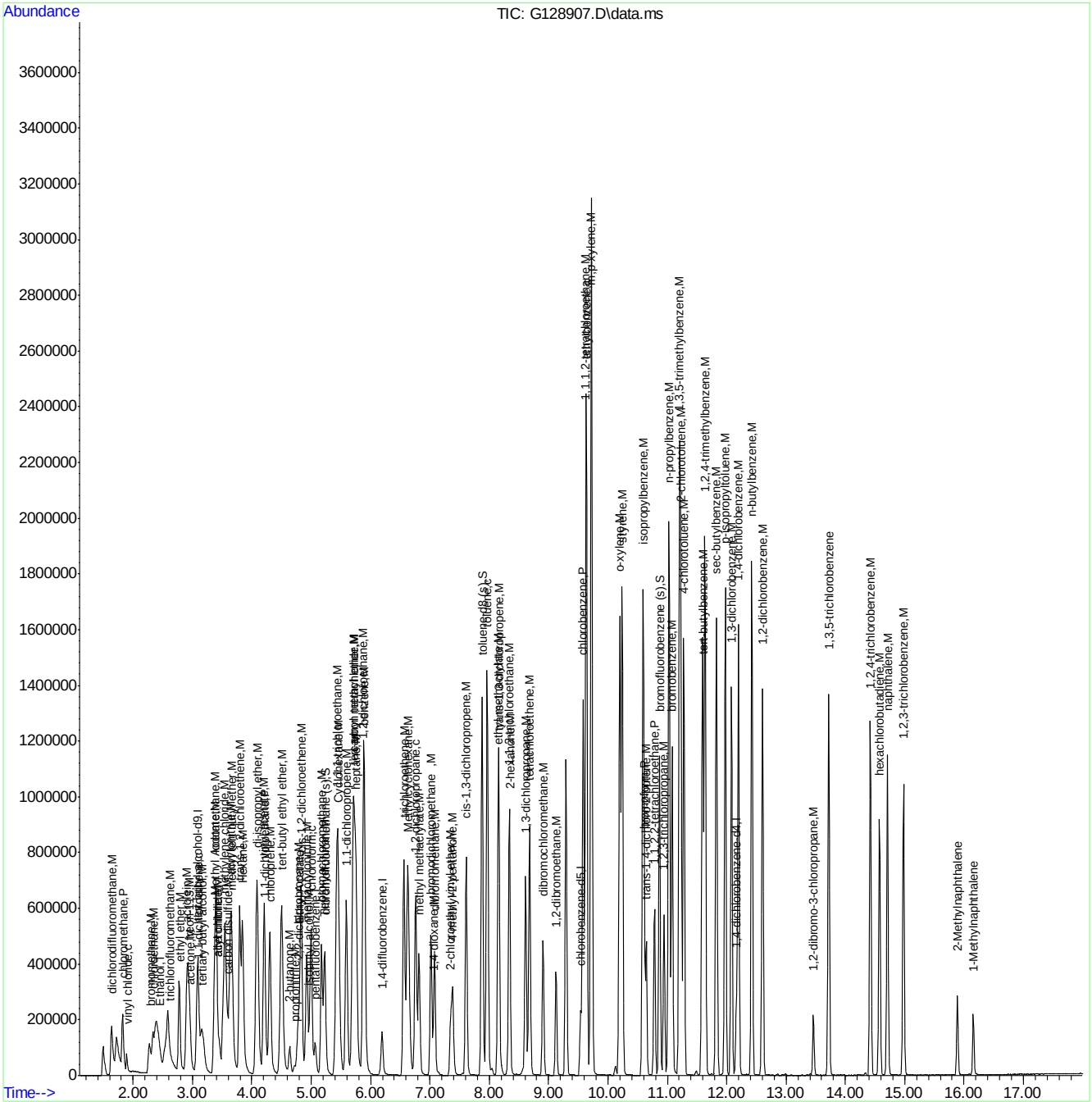
7.6.7

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128907.D
Acq On : 29 Jun 2013 3:36 am
Operator : jaimem
Sample : ic5050-200
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 29 07:40:58 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:40:34 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
07/01/13 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128908.D
Acq On : 29 Jun 2013 4:04 am
Operator : jaimem
Sample : ic5050-400
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jun 29 07:42:00 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:41:42 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.100	65	42150	500.00	ppb		0.00
4) pentafluorobenzene	5.073	168	93428	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.197	114	162109	50.00	ppb		0.00
66) chlorobenzene-d5	9.541	82	82968	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.165	152	77946	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.233	113	590853	404.14	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 808.28%#				
60) toluene-d8 (s)	7.881	98	2315714	356.85	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 713.70%#				
82) bromofluorobenzene (s)	10.870	95	943843	341.04	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 682.08%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.173	59	507711	3980.08	ppb		98
3) Ethanol	2.458	45	456264	37143.94	ppb		98
5) dichlorodifluoromethane	1.646	85	535424m	362.33	ppb		
6) chloromethane	1.831	50	477136	371.16	ppb		98
7) vinyl chloride	1.913	62	135442	363.47	ppb		98
8) bromomethane	2.293	96	263308	359.16	ppb		98
9) chloroethane	2.336	64	237678	370.09	ppb		83
10) ethyl ether	2.787	59	485290	387.27	ppb		79
11) acetonitrile	3.424	41	931457	377.81	ppb		96
12) trichlorofluoromethane	2.616	101	856954	411.66	ppb		99
13) freon-113	2.941	101	620957	390.79	ppb		89
14) acrolein	2.907	56	271868	2015.78	ppb		98
15) 1,1-dichloroethene	3.118	96	600347	380.15	ppb		95
16) acetone	2.967	58	63494	265.41	ppb	#	82
17) Methyl Acetate	3.375	43	621544	344.55	ppb	#	83
18) methylene chloride	3.538	84	651808	343.59	ppb		83
19) methyl tert butyl ether	3.665	73	1719066	390.22	ppb		92
20) acrylonitrile	3.638	53	230436	388.42	ppb		93
21) allyl chloride	3.424	41	940664	379.27	ppb		82
22) trans-1,2-dichloroethene	3.803	96	608638	377.11	ppb		95
23) iodomethane	3.388	142	1002960	373.84	ppb		89
24) carbon disulfide	3.602	76	1964830	430.53	ppb		98
25) propionitrile	4.723	54	85600	396.75	ppb		100
26) vinyl acetate	4.209	43	1214822	513.43	ppb		98
27) chloroprene	4.312	53	914033	393.13	ppb		80
28) di-isopropyl ether	4.095	45	2104522	374.44	ppb		91
29) methacrylonitrile	4.934	41	443363	374.58	ppb		69
30) 2-butanone	4.645	72	67718	325.26	ppb	#	66
31) Ethyl Acetate	4.810	43	209682	359.31	ug/L		98
32) Hexane	3.848	41	532889	367.03	ppb	#	92
33) 1,1-dichloroethane	4.220	63	1076988	375.33	ppb		98
34) tert-butyl ethyl ether	4.508	59	1914084	389.20	ppb		94
35) isobutyl alcohol	4.968	43	141223	1707.31	ppb		78
36) 2,2-dichloropropane	4.796	77	443451	335.85	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128908.D
Acq On : 29 Jun 2013 4:04 am
Operator : jaimem
Sample : ic5050-400
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jun 29 07:42:00 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:41:42 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.836	96	664603	371.66	ppb		91
38)	bromochloromethane	5.178	128	311536	392.70	ppb		91
39)	chloroform	5.003	83	1058595	378.45	ppb		100
41)	Tetrahydrofuran	5.218	42	158532	376.71	ppb		84
42)	1,1,1-trichloroethane	5.439	97	896413	398.62	ppb		94
44)	Cyclohexane	5.452	56	1124930	363.39	ppb	#	83
45)	carbon tetrachloride	5.714	117	836280	421.12	ppb		99
46)	1,1-dichloropropene	5.597	75	863235	377.80	ppb		94
47)	benzene	5.897	78	2463656	343.68	ppb		98
48)	1,2-dichloroethane	5.878	62	802998	369.90	ppb		100
49)	tert-amyl methyl ether	5.726	73	1791276	383.69	ppb		93
50)	heptane	5.744	43	1309298	356.59	ppb		89
51)	trichloroethene	6.564	95	672104	354.85	ppb		85
52)	1,2-dichloropropane	6.761	63	673561	370.66	ppb		98
53)	dibromomethane	7.079	93	387678	382.80	ppb		89
54)	bromodichloromethane	7.020	83	830063	425.66	ppb		99
55)	Methylcyclohexane	6.636	83	1085503	381.99	ppb	#	83
56)	2-chloroethyl vinyl ether	7.351	63	211416	507.82	ppb		95
57)	methyl methacrylate	6.820	69	425217	390.70	ppb	#	73
58)	1,4-dioxane	7.062	88	35638	2003.11	ppb		72
59)	cis-1,3-dichloropropene	7.612	75	1087366	395.85	ppb		93
61)	4-methyl-2-pentanone	7.379	43	702377	391.76	ppb		88
62)	toluene	7.968	92	1572894	364.46	ppb		97
63)	trans-1,3-dichloropropene	8.164	75	877843	399.20	ppb		95
64)	1,1,2-trichloroethane	8.339	83	466925	368.33	ppb		90
65)	ethyl methacrylate	8.152	69	788544	381.01	ppb		76
67)	tetrachloroethene	8.681	166	619821	350.78	ppb		96
68)	1,3-dichloropropane	8.614	76	944169	379.96	ppb		98
69)	dibromochloromethane	8.907	129	639757	481.79	ppb		97
70)	1,2-dibromoethane	9.127	107	582525	393.50	ppb		97
71)	2-hexanone	8.346	43	371874	308.57	ppb		94
72)	chlorobenzene	9.583	112	1672951	355.99	ppb		91
73)	1,1,1,2-tetrachloroethane	9.630	131	571924	374.89	ppb		99
74)	ethylbenzene	9.639	91	2935720	341.24	ppb		94
75)	m,p-xylene	9.724	106	2058500	649.28	ppb		85
76)	o-xylene	10.202	106	1073200	356.05	ppb		87
77)	styrene	10.240	104	1946047	363.20	ppb		89
78)	bromoform	10.614	173	374681	514.67	ppb		97
79)	trans-1,4-dichloro-2-b...	10.647	53	215300	441.37	ppb		77
81)	isopropylbenzene	10.592	105	2735303	357.61	ppb		96
83)	bromobenzene	11.083	156	727268	357.09	ppb		91
84)	1,1,2,2-tetrachloroethane	10.785	83	727643	394.81	ppb		94
85)	1,2,3-trichloropropane	10.945	75	563781	380.71	ppb		97
86)	n-propylbenzene	11.033	91	3229693	357.74	ppb		92
87)	2-chlorotoluene	11.228	91	2245865	352.00	ppb		87
88)	4-chlorotoluene	11.281	91	2018484	365.70	ppb		87
89)	1,3,5-trimethylbenzene	11.207	105	2490908	357.15	ppb		95
90)	tert-butylbenzene	11.602	91	1598134	364.39	ppb		81
91)	1,2,4-trimethylbenzene	11.637	105	2572737	365.86	ppb		94
92)	sec-butylbenzene	11.828	105	2863472	365.86	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128908.D
Acq On : 29 Jun 2013 4:04 am
Operator : jaimem
Sample : ic5050-400
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jun 29 07:42:00 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:41:42 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.084	146	1292091	356.36	ppb		94
94) p-isopropyltoluene	11.978	119	2426142	368.81	ppb		94
95) 1,4-dichlorobenzene	12.201	146	1402012	350.58	ppb		96
96) 1,2-dichlorobenzene	12.606	146	1257049	361.34	ppb		95
97) n-butylbenzene	12.426	91	2429978	375.63	ppb		91
98) 1,2-dibromo-3-chloropr...	13.463	75	128447	475.91	ppb	#	71
99) 1,3,5-trichlorobenzene	13.721	180	945872	371.52	ug/L		100
100) 1,2,4-trichlorobenzene	14.424	180	854541	397.45	ppb		99
101) hexachlorobutadiene	14.577	225	400238	359.68	ppb		99
102) naphthalene	14.711	128	2024582	419.31	ppb		100
103) 2-Methylnaphthalene	15.890	142	328853	259.83	ug/L		98
104) 1-Methylnaphthalene	16.159	142	234578	267.71	ug/L		96
105) 1,2,3-trichlorobenzene	14.981	180	708453	389.28	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

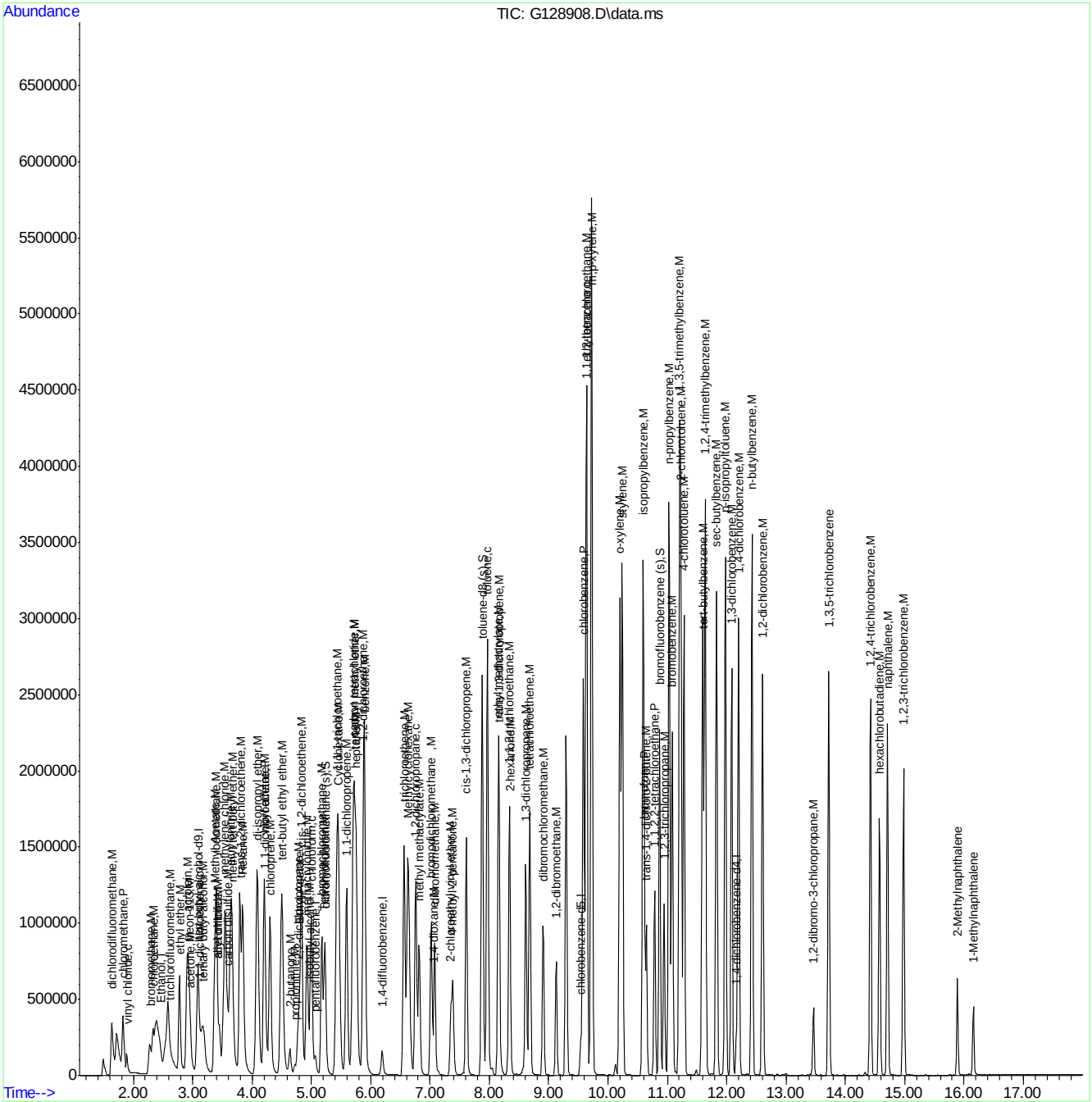
7.6.8

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128908.D
Acq On : 29 Jun 2013 4:04 am
Operator : jaimem
Sample : ic5050-400
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jun 29 07:42:00 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:41:42 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
07/01/13 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128911.D
Acq On : 29 Jun 2013 5:28 am
Operator : jaimem
Sample : bs
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 29 09:05:33 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.085	65	39788	500.00	ppb		0.00
4) pentafluorobenzene	5.073	168	94032	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.197	114	159455	50.00	ppb		0.00
66) chlorobenzene-d5	9.540	82	81230	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.163	152	74884	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.233	113	73169	49.64	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.28%				
60) toluene-d8 (s)	7.880	98	300318	47.69	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.38%				
82) bromofluorobenzene (s)	10.869	95	118315	47.76	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.52%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.161	59	62001	515.41	ppb		94
3) Ethanol	2.447	45	48186	4215.85	ppb		98
5) dichlorodifluoromethane	1.648	85	93879m	63.98	ppb		
6) chloromethane	1.828	50	81694	63.91	ppb		95
7) vinyl chloride	1.919	62	20159	54.46	ppb		82
8) bromomethane	2.282	96	39187	53.89	ppb		99
9) chloroethane	2.340	64	37109	58.14	ppb		88
10) ethyl ether	2.789	59	62124	49.52	ppb		79
11) acetonitrile	3.420	41	122491	49.83	ppb		96
12) trichlorofluoromethane	2.610	101	113745	54.06	ppb		100
13) freon-113	2.932	101	87244	54.76	ppb		87
14) acrolein	2.909	56	60130	442.28	ppb		98
15) 1,1-dichloroethene	3.099	96	85216	54.00	ppb		93
16) acetone	2.965	58	13882	57.61	ppb		92
17) Methyl Acetate	3.376	43	92006	51.87	ppb	#	81
18) methylene chloride	3.537	84	89251	47.71	ppb	#	79
19) methyl tert butyl ether	3.665	73	212487	48.09	ppb		93
20) acrylonitrile	3.637	53	28763	48.45	ppb		91
21) allyl chloride	3.420	41	122491	49.50	ppb		85
22) trans-1,2-dichloroethene	3.802	96	80430	49.92	ppb		96
23) iodomethane	3.389	142	138431	51.83	ppb		92
24) carbon disulfide	3.599	76	246209	52.93	ppb		100
25) propionitrile	4.722	54	9988	46.06	ppb		100
26) vinyl acetate	4.213	43	52717	27.88	ppb		96
27) chloroprene	4.310	53	123862	53.08	ppb		80
28) di-isopropyl ether	4.096	45	258175	46.06	ppb		91
29) methacrylonitrile	4.935	41	56507	47.94	ppb		75
30) 2-butanone	4.642	72	11606	57.17	ppb	#	62
31) Ethyl Acetate	4.813	43	31188	54.02	ug/L	#	99
32) Hexane	3.850	41	73708	51.14	ppb	#	92
33) 1,1-dichloroethane	4.219	63	145634	50.88	ppb		97
34) tert-butyl ethyl ether	4.508	59	239491	48.57	ppb		93
35) isobutyl alcohol	4.967	43	19457	262.99	ppb	#	69
36) 2,2-dichloropropane	4.794	77	63247	48.90	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128911.D
Acq On : 29 Jun 2013 5:28 am
Operator : jaimem
Sample : bs
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 29 09:05:33 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.837	96	86329	48.46	ppb		91
38)	bromochloromethane	5.178	128	40165	50.46	ppb		90
39)	chloroform	5.003	83	136942	49.02	ppb		100
41)	Tetrahydrofuran	5.223	42	19875	47.48	ppb		89
42)	1,1,1-trichloroethane	5.436	97	115396	51.01	ppb		93
44)	Cyclohexane	5.451	56	145619	48.56	ppb	#	82
45)	carbon tetrachloride	5.713	117	102353	52.01	ppb		95
46)	1,1-dichloropropene	5.597	75	116574	52.35	ppb		96
47)	benzene	5.896	78	330911	47.77	ppb		97
48)	1,2-dichloroethane	5.877	62	103468	48.98	ppb		99
49)	tert-amyl methyl ether	5.726	73	224654	49.26	ppb		93
50)	heptane	5.745	43	170872	48.18	ppb		89
51)	trichloroethene	6.564	95	92231	50.21	ppb		82
52)	1,2-dichloropropane	6.761	63	85932	48.58	ppb		99
53)	dibromomethane	7.078	93	49427	50.05	ppb		87
54)	bromodichloromethane	7.020	83	96472	49.84	ppb		98
55)	Methylcyclohexane	6.632	83	140395	50.61	ppb	#	81
56)	2-chloroethyl vinyl ether	7.350	63	15122	37.35	ppb		94
57)	methyl methacrylate	6.819	69	50768	47.61	ppb	#	70
58)	1,4-dioxane	7.059	88	3781	215.99	ppb		76
59)	cis-1,3-dichloropropene	7.612	75	127352	47.20	ppb		95
61)	4-methyl-2-pentanone	7.382	43	80898	46.03	ppb		86
62)	toluene	7.967	92	212537	50.82	ppb		96
63)	trans-1,3-dichloropropene	8.164	75	111558	51.59	ppb		96
64)	1,1,2-trichloroethane	8.337	83	60613	49.17	ppb		91
65)	ethyl methacrylate	8.151	69	98328	48.69	ppb		80
67)	tetrachloroethene	8.680	166	86258	50.64	ppb		96
68)	1,3-dichloropropane	8.613	76	119125	49.38	ppb		98
69)	dibromochloromethane	8.906	129	69036	48.00	ppb		99
70)	1,2-dibromoethane	9.126	107	73451	50.80	ppb		97
71)	2-hexanone	8.345	43	67269	59.27	ppb		96
72)	chlorobenzene	9.582	112	236339	52.19	ppb		93
73)	1,1,1,2-tetrachloroethane	9.628	131	75491	51.08	ppb		99
74)	ethylbenzene	9.637	91	408491	49.54	ppb		95
75)	m,p-xylene	9.721	106	313318	103.73	ppb		91
76)	o-xylene	10.200	106	153970	53.01	ppb		96
77)	styrene	10.238	104	257877	49.92	ppb		91
78)	bromoform	10.613	173	37849	46.02	ppb		100
79)	trans-1,4-dichloro-2-b...	10.645	53	22540	46.40	ppb		84
81)	isopropylbenzene	10.591	105	395189	54.75	ppb		98
83)	bromobenzene	11.082	156	97535	50.76	ppb		85
84)	1,1,2,2-tetrachloroethane	10.783	83	83107	47.02	ppb		95
85)	1,2,3-trichloropropane	10.943	75	70612	50.03	ppb		96
86)	n-propylbenzene	11.031	91	460940	54.10	ppb		94
87)	2-chlorotoluene	11.225	91	317960	52.93	ppb		92
88)	4-chlorotoluene	11.279	91	283202	54.18	ppb		90
89)	1,3,5-trimethylbenzene	11.204	105	325875	49.52	ppb		97
90)	tert-butylbenzene	11.599	91	219275	52.83	ppb		83
91)	1,2,4-trimethylbenzene	11.634	105	328477	49.32	ppb		97
92)	sec-butylbenzene	11.826	105	403365	54.42	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128911.D
Acq On : 29 Jun 2013 5:28 am
Operator : jaimem
Sample : bs
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 29 09:05:33 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

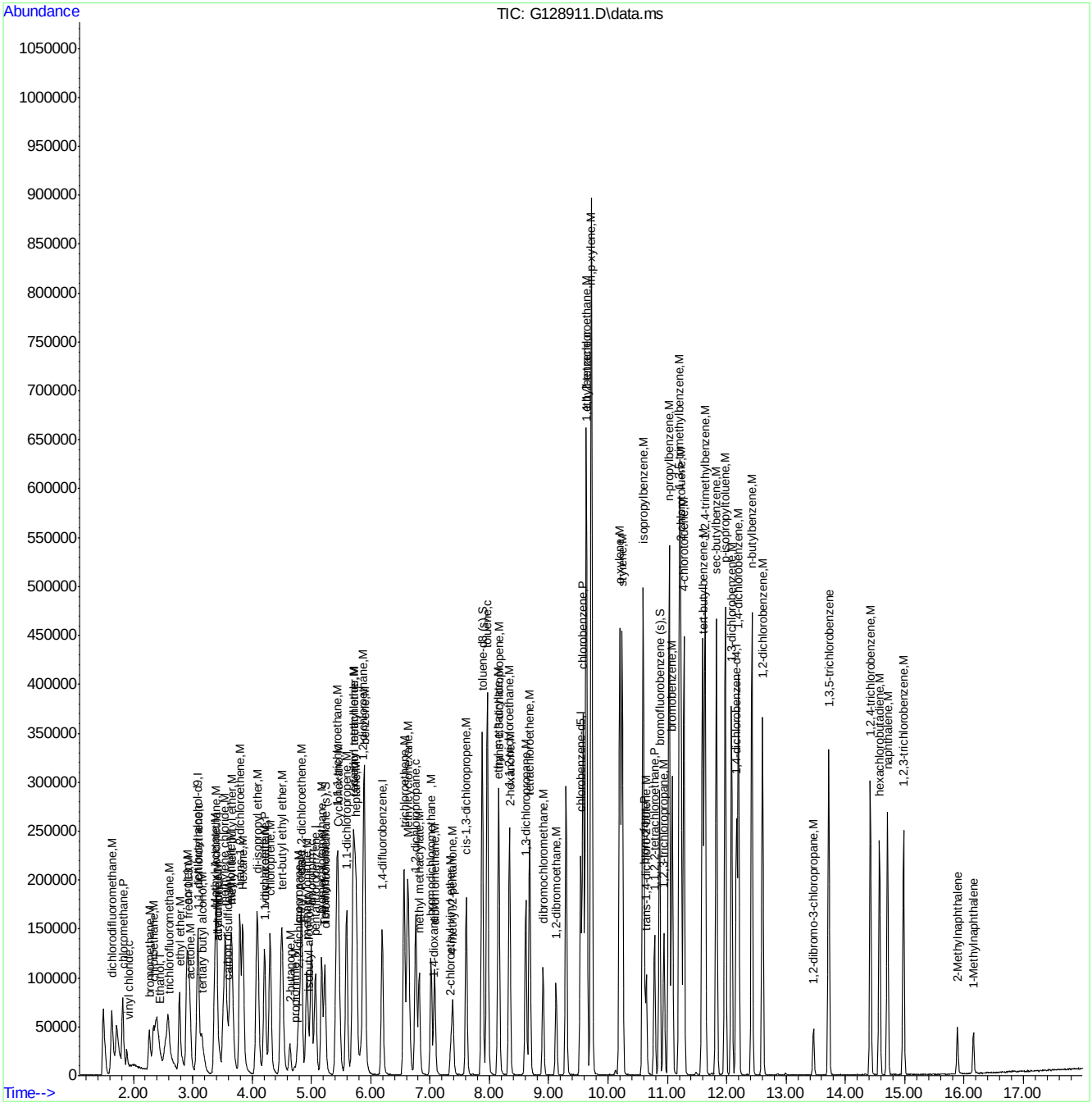
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.082	146	177773	51.84	ppb		95
94)	p-isopropyltoluene	11.976	119	330800	53.03	ppb		95
95)	1,4-dichlorobenzene	12.198	146	184749	48.95	ppb		98
96)	1,2-dichlorobenzene	12.604	146	172556	52.35	ppb		97
97)	n-butylbenzene	12.424	91	311150	50.58	ppb		92
98)	1,2-dibromo-3-chloropr...	13.462	75	13253	49.54	ppb	#	66
99)	1,3,5-trichlorobenzene	13.720	180	118887	49.31	ug/L		100
100)	1,2,4-trichlorobenzene	14.422	180	105884	51.31	ppb		97
101)	hexachlorobutadiene	14.575	225	54505	51.86	ppb		98
102)	naphthalene	14.710	128	236714	50.62	ppb		100
103)	2-Methylnaphthalene	15.890	142	26091	23.87	ug/L		98
104)	1-Methylnaphthalene	16.158	142	21433	23.55	ug/L		96
105)	1,2,3-trichlorobenzene	14.980	180	85370	49.09	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130628\
Data File : G128911.D
Acq On : 29 Jun 2013 5:28 am
Operator : jaimem
Sample : bs
Misc : MS29239,MSG5050,10,,100,10,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 29 09:05:33 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/15/13 14:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130513.D
Acq On : 15 Aug 2013 8:42 am
Operator : jaimem
Sample : cc5050-50
Misc : MS29655,MSG5089,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 09:20:30 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.083	65	29049	500.00	ppb		0.00
4) pentafluorobenzene	5.070	168	77908	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	126406	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	63229	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	59911	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	63079	51.65	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.30%				
60) toluene-d8 (s)	7.878	98	252036	50.49	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.98%				
82) bromofluorobenzene (s)	10.868	95	98640	49.77	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.54%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.153	59	49905	568.22	ppb		96
3) Ethanol	2.444	45	45691	5475.39	ppb		99
5) dichlorodifluoromethane	1.646	85	69228m	56.95	ppb		
6) chloromethane	1.824	50	48650	45.94	ppb		94
7) vinyl chloride	1.912	62	15510	50.57	ppb		95
8) bromomethane	2.273	96	36283	60.23	ppb		95
9) chloroethane	2.338	64	27736	52.44	ppb		83
10) ethyl ether	2.781	59	48818	46.97	ppb		75
11) acetonitrile	3.417	41	91340	44.84	ppb		96
12) trichlorofluoromethane	2.609	101	99616	57.15	ppb		99
13) freon-113	2.932	101	69805	52.88	ppb		94
14) acrolein	2.903	56	23879	211.99	ppb		98
15) 1,1-dichloroethene	3.092	96	64077	49.00	ppb		87
16) acetone	2.961	58	9268	45.84	ppb	#	74
17) Methyl Acetate	3.374	43	64219	43.70	ppb	#	79
18) methylene chloride	3.533	84	71107	45.87	ppb	#	74
19) methyl tert butyl ether	3.663	73	174847	47.76	ppb		95
20) acrylonitrile	3.634	53	21800	44.32	ppb		98
21) allyl chloride	3.417	41	91340	44.55	ppb		78
22) trans-1,2-dichloroethene	3.800	96	66759	50.01	ppb		90
23) iodomethane	3.386	142	113097	51.11	ppb		90
24) carbon disulfide	3.591	76	191812	49.77	ppb		98
25) propionitrile	4.718	54	7836	43.61	ppb		100
26) vinyl acetate	4.208	43	120072	58.16	ppb		94
27) chloroprene	4.308	53	87050	45.03	ppb		74
28) di-isopropyl ether	4.093	45	201833	43.46	ppb		92
29) methacrylonitrile	4.929	41	40354	41.32	ppb		68
30) 2-butanone	4.638	72	8184	48.65	ppb	#	60
31) Ethyl Acetate	4.809	43	11523	24.09	ug/L	#	98
32) Hexane	3.848	41	60268	50.47	ppb	#	87
33) 1,1-dichloroethane	4.217	63	105791	44.61	ppb		97
34) tert-butyl ethyl ether	4.505	59	187796	45.97	ppb		91
35) isobutyl alcohol	4.955	43	12358	198.46	ppb		86
36) 2,2-dichloropropane	4.793	77	62578	58.40	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130513.D
Acq On : 15 Aug 2013 8:42 am
Operator : jaimem
Sample : cc5050-50
Misc : MS29655,MSG5089,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 09:20:30 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.834	96	73645	49.89	ppb		84
38)	bromochloromethane	5.176	128	33050	50.11	ppb	#	82
39)	chloroform	5.000	83	108191	46.74	ppb		99
41)	Tetrahydrofuran	5.217	42	14150	40.80	ppb		62
42)	1,1,1-trichloroethane	5.433	97	86819	46.32	ppb		91
44)	Cyclohexane	5.449	56	112950	47.52	ppb	#	78
45)	carbon tetrachloride	5.710	117	80927	51.87	ppb		95
46)	1,1-dichloropropene	5.595	75	93716	53.09	ppb		96
47)	benzene	5.894	78	269550	49.09	ppb		99
48)	1,2-dichloroethane	5.875	62	84949	50.73	ppb		99
49)	tert-amyl methyl ether	5.719	73	176997	48.95	ppb		84
50)	heptane	5.742	43	135153	48.08	ppb		79
51)	trichloroethene	6.562	95	74486	51.16	ppb		88
52)	1,2-dichloropropane	6.759	63	69314	49.43	ppb		94
53)	dibromomethane	7.077	93	38483	49.15	ppb		90
54)	bromodichloromethane	7.018	83	80397	52.39	ppb		96
55)	Methylcyclohexane	6.630	83	114627	52.12	ppb	#	78
56)	2-chloroethyl vinyl ether	7.349	63	11028	35.05	ppb		93
57)	methyl methacrylate	6.817	69	39274	46.46	ppb	#	66
58)	1,4-dioxane	7.053	88	3461	249.40	ppb		78
59)	cis-1,3-dichloropropene	7.611	75	115180	53.85	ppb		96
61)	4-methyl-2-pentanone	7.378	43	55275	39.67	ppb		80
62)	toluene	7.966	92	173840	52.43	ppb		100
63)	trans-1,3-dichloropropene	8.162	75	94372	55.05	ppb		99
64)	1,1,2-trichloroethane	8.336	83	50704	51.88	ppb		92
65)	ethyl methacrylate	8.149	69	74708	46.66	ppb	#	72
67)	tetrachloroethene	8.679	166	69936	52.75	ppb		97
68)	1,3-dichloropropane	8.612	76	100559	53.55	ppb		99
69)	dibromochloromethane	8.905	129	60378	53.43	ppb		99
70)	1,2-dibromoethane	9.124	107	61594	54.72	ppb		99
71)	2-hexanone	8.343	43	40225	45.53	ppb		93
72)	chlorobenzene	9.581	112	210549	59.73	ppb		95
73)	1,1,1,2-tetrachloroethane	9.627	131	66894	58.15	ppb		98
74)	ethylbenzene	9.636	91	339822	52.94	ppb		96
75)	m,p-xylene	9.720	106	268494	114.20	ppb		95
76)	o-xylene	10.199	106	134050	59.29	ppb		91
77)	styrene	10.237	104	213674	53.14	ppb		93
78)	bromoform	10.611	173	30896	48.02	ppb		98
79)	trans-1,4-dichloro-2-b...	10.644	53	19763	52.26	ppb		80
81)	isopropylbenzene	10.590	105	345189	59.77	ppb		98
83)	bromobenzene	11.081	156	83921	54.59	ppb		87
84)	1,1,2,2-tetrachloroethane	10.782	83	70112	49.59	ppb		96
85)	1,2,3-trichloropropane	10.942	75	55453	49.11	ppb		100
86)	n-propylbenzene	11.029	91	402076	58.98	ppb		95
87)	2-chlorotoluene	11.225	91	278894	58.03	ppb		92
88)	4-chlorotoluene	11.278	91	246088	58.85	ppb		88
89)	1,3,5-trimethylbenzene	11.203	105	282215	53.60	ppb		98
90)	tert-butylbenzene	11.598	91	188472	56.75	ppb		88
91)	1,2,4-trimethylbenzene	11.633	105	288044	54.06	ppb		96
92)	sec-butylbenzene	11.825	105	349627	58.96	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130513.D
Acq On : 15 Aug 2013 8:42 am
Operator : jaimem
Sample : cc5050-50
Misc : MS29655,MSG5089,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 09:20:30 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

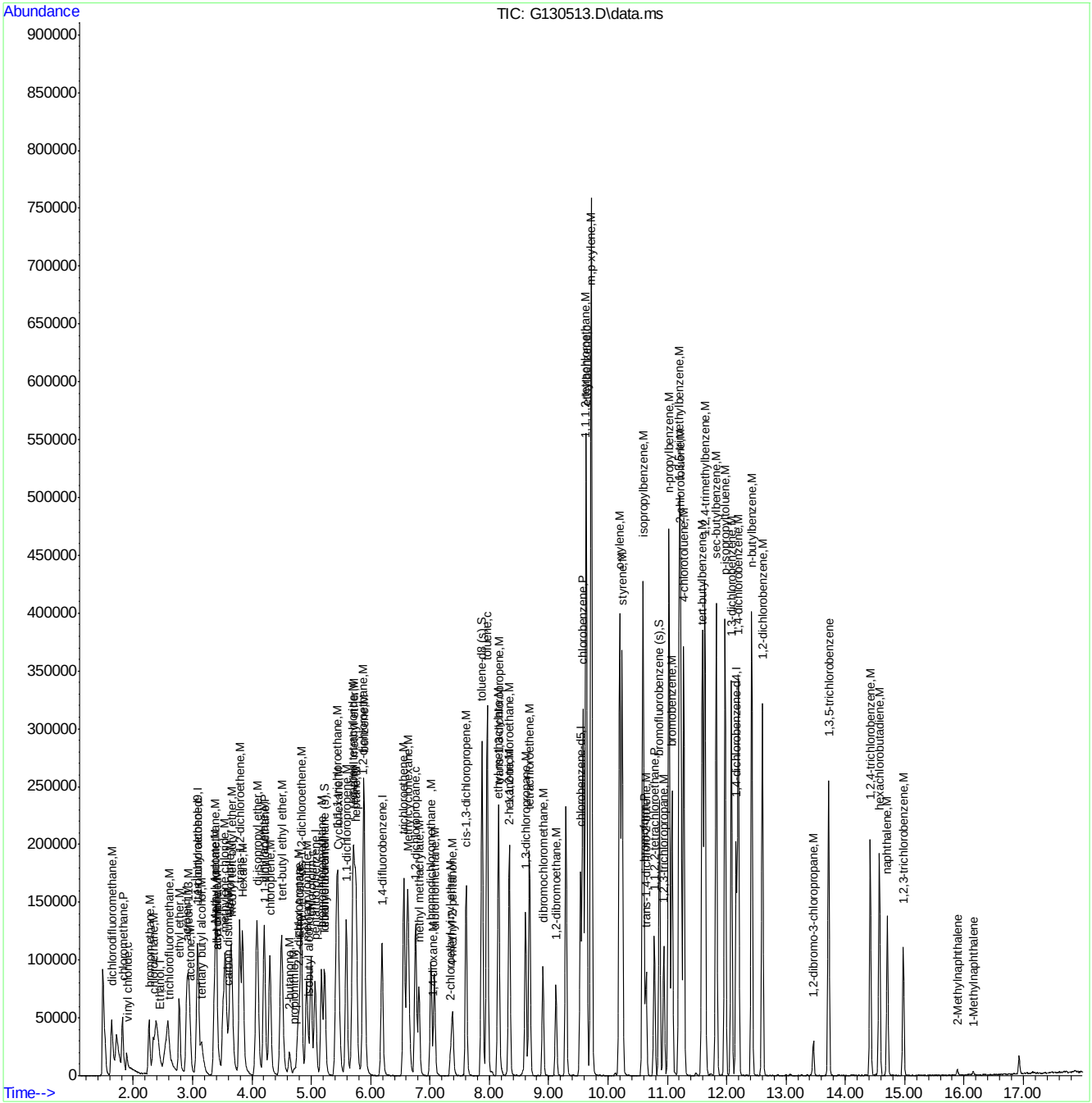
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.081	146	162736	59.32	ppb		96
94)	p-isopropyltoluene	11.975	119	272288	54.56	ppb		97
95)	1,4-dichlorobenzene	12.197	146	159074	52.68	ppb		98
96)	1,2-dichlorobenzene	12.603	146	152661	57.89	ppb		97
97)	n-butylbenzene	12.423	91	262424	53.32	ppb		93
98)	1,2-dibromo-3-chloropr...	13.461	75	8177	38.21	ppb	#	76
99)	1,3,5-trichlorobenzene	13.719	180	93206	48.32	ug/L		100
100)	1,2,4-trichlorobenzene	14.421	180	71270	43.17	ppb		99
101)	hexachlorobutadiene	14.574	225	44993	53.50	ppb		97
102)	naphthalene	14.709	128	123945	33.13	ppb		100
103)	2-Methylnaphthalene	15.888	142	2999	10.16	ug/L		96
104)	1-Methylnaphthalene	16.156	142	1705	6.66	ug/L	#	84
105)	1,2,3-trichlorobenzene	14.979	180	39981	28.74	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130815\
Data File : G130513.D
Acq On : 15 Aug 2013 8:42 am
Operator : jaimem
Sample : cc5050-50
Misc : MS29655,MSG5089,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 09:20:30 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
08/28/13 12:57

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130562.D
Acq On : 16 Aug 2013 8:44 am
Operator : jaimem
Sample : bs
Misc : MS29663,MSG5090,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 16 09:07:24 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.084	65	27929	500.00	ppb		0.00
4) pentafluorobenzene	5.071	168	72639	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	116802	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	57712	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	54983	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	58601	51.47	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.94%				
60) toluene-d8 (s)	7.878	98	230938	50.07	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.14%				
82) bromofluorobenzene (s)	10.867	95	89220	49.05	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.10%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.160	59	46283	548.12	ppb		96
3) Ethanol	2.441	45	39530	4927.05	ppb		100
5) dichlorodifluoromethane	1.647	85	48280m	42.60	ppb		
6) chloromethane	1.824	50	47404	48.01	ppb		99
7) vinyl chloride	1.913	62	12705	44.43	ppb		98
8) bromomethane	2.276	96	35446	63.11	ppb		93
9) chloroethane	2.338	64	27345	55.46	ppb		86
10) ethyl ether	2.783	59	43689	45.08	ppb		78
11) acetonitrile	3.420	41	85572	45.06	ppb		90
12) trichlorofluoromethane	2.609	101	96404	59.32	ppb		99
13) freon-113	2.933	101	71602	58.18	ppb		95
14) acrolein	2.904	56	32968	313.91	ppb		99
15) 1,1-dichloroethene	3.097	96	65452	53.69	ppb		95
16) acetone	2.961	58	7041	36.98	ppb		88
17) Methyl Acetate	3.375	43	46023	33.59	ppb	#	80
18) methylene chloride	3.535	84	64678	44.75	ppb	#	74
19) methyl tert butyl ether	3.662	73	155008	45.41	ppb		89
20) acrylonitrile	3.635	53	19928	43.46	ppb		94
21) allyl chloride	3.420	41	85572	44.76	ppb		75
22) trans-1,2-dichloroethene	3.800	96	63009	50.63	ppb		89
23) iodomethane	3.387	142	107401	52.06	ppb		91
24) carbon disulfide	3.597	76	189403	52.71	ppb		98
25) propionitrile	4.719	54	7134	42.59	ppb		100
26) vinyl acetate	4.209	43	83496	46.06	ppb		96
27) chloroprene	4.308	53	91547	50.79	ppb		81
28) di-isopropyl ether	4.093	45	175000	40.42	ppb		91
29) methacrylonitrile	4.930	41	37135	40.78	ppb		65
30) 2-butanone	4.638	72	6365	40.59	ppb	#	41
31) Ethyl Acetate	4.808	43	38253	85.76	ug/L	#	100
32) Hexane	3.849	41	59464	53.41	ppb	#	95
33) 1,1-dichloroethane	4.217	63	108976	49.28	ppb		97
34) tert-butyl ethyl ether	4.504	59	170313	44.71	ppb		92
35) isobutyl alcohol	4.957	43	11544	198.86	ppb		82
36) 2,2-dichloropropane	4.791	77	62792	62.85	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130562.D
Acq On : 16 Aug 2013 8:44 am
Operator : jaimem
Sample : bs
Misc : MS29663,MSG5090,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 16 09:07:24 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.834	96	67233	48.85	ppb		87
38)	bromochloromethane	5.176	128	31820	51.75	ppb	#	80
39)	chloroform	5.000	83	109790	50.88	ppb		100
41)	Tetrahydrofuran	5.217	42	12374	38.26	ppb		70
42)	1,1,1-trichloroethane	5.432	97	91812	52.54	ppb		90
44)	Cyclohexane	5.449	56	102357	46.60	ppb	#	75
45)	carbon tetrachloride	5.710	117	88290	61.24	ppb		98
46)	1,1-dichloropropene	5.595	75	89746	55.02	ppb		97
47)	benzene	5.894	78	247418	48.76	ppb		97
48)	1,2-dichloroethane	5.875	62	78121	50.49	ppb		99
49)	tert-amyl methyl ether	5.718	73	157865	47.25	ppb		86
50)	heptane	5.742	43	123749	47.64	ppb		78
51)	trichloroethene	6.562	95	68069	50.59	ppb		88
52)	1,2-dichloropropane	6.759	63	61122	47.18	ppb		98
53)	dibromomethane	7.076	93	38040	52.58	ppb		94
54)	bromodichloromethane	7.018	83	75046	52.93	ppb		99
55)	Methylcyclohexane	6.630	83	110633	54.44	ppb	#	78
56)	2-chloroethyl vinyl ether	7.349	63	4486	20.25	ppb		90
57)	methyl methacrylate	6.817	69	35002	44.81	ppb	#	62
58)	1,4-dioxane	7.052	88	3208	250.18	ppb		89
59)	cis-1,3-dichloropropene	7.610	75	96540	48.85	ppb		96
61)	4-methyl-2-pentanone	7.380	43	46303	35.97	ppb		76
62)	toluene	7.965	92	160329	52.34	ppb		98
63)	trans-1,3-dichloropropene	8.162	75	87033	54.95	ppb		98
64)	1,1,2-trichloroethane	8.335	83	44236	48.99	ppb		93
65)	ethyl methacrylate	8.149	69	66971	45.27	ppb	#	72
67)	tetrachloroethene	8.678	166	72993	60.32	ppb		99
68)	1,3-dichloropropane	8.612	76	88561	51.67	ppb		97
69)	dibromochloromethane	8.905	129	55949	54.18	ppb		100
70)	1,2-dibromoethane	9.124	107	54247	52.80	ppb		99
71)	2-hexanone	8.343	43	32590	40.42	ppb		94
72)	chlorobenzene	9.580	112	185077	57.52	ppb		95
73)	1,1,1,2-tetrachloroethane	9.627	131	61857	58.91	ppb		95
74)	ethylbenzene	9.635	91	316736	54.06	ppb		96
75)	m,p-xylene	9.719	106	243979	113.69	ppb		92
76)	o-xylene	10.198	106	116950	56.67	ppb		91
77)	styrene	10.237	104	189960	51.76	ppb		92
78)	bromoform	10.611	173	31001	52.28	ppb		99
79)	trans-1,4-dichloro-2-b...	10.644	53	17885	51.82	ppb		84
81)	isopropylbenzene	10.590	105	311992	58.86	ppb		98
83)	bromobenzene	11.080	156	76751	54.40	ppb		90
84)	1,1,2,2-tetrachloroethane	10.782	83	63265	48.75	ppb		98
85)	1,2,3-trichloropropane	10.942	75	50905	49.13	ppb		98
86)	n-propylbenzene	11.029	91	361143	57.73	ppb		94
87)	2-chlorotoluene	11.223	91	246641	55.92	ppb		91
88)	4-chlorotoluene	11.277	91	225498	58.76	ppb		91
89)	1,3,5-trimethylbenzene	11.202	105	258474	53.49	ppb		97
90)	tert-butylbenzene	11.597	91	171928	56.41	ppb		85
91)	1,2,4-trimethylbenzene	11.633	105	259368	53.04	ppb		97
92)	sec-butylbenzene	11.825	105	315435	57.96	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130562.D
Acq On : 16 Aug 2013 8:44 am
Operator : jaimem
Sample : bs
Misc : MS29663,MSG5090,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 16 09:07:24 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	12.080	146	142172	56.47	ppb	95
94) p-isopropyltoluene	11.974	119	262508	57.32	ppb	96
95) 1,4-dichlorobenzene	12.197	146	144764	52.24	ppb	95
96) 1,2-dichlorobenzene	12.602	146	132525	54.76	ppb	98
97) n-butylbenzene	12.422	91	238841	52.88	ppb	95
98) 1,2-dibromo-3-chloropr...	13.461	75	7803	39.73	ppb	80
99) 1,3,5-trichlorobenzene	13.718	180	89174	50.37	ug/L	100
100) 1,2,4-trichlorobenzene	14.420	180	63602	41.98	ppb	100
101) hexachlorobutadiene	14.573	225	43281	56.08	ppb	98
102) naphthalene	14.708	128	110304	32.13	ppb	100
103) 2-Methylnaphthalene	15.888	142	5382	12.35	ug/L	97
104) 1-Methylnaphthalene	16.155	142	3587	9.07	ug/L	95
105) 1,2,3-trichlorobenzene	14.978	180	38600	30.23	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

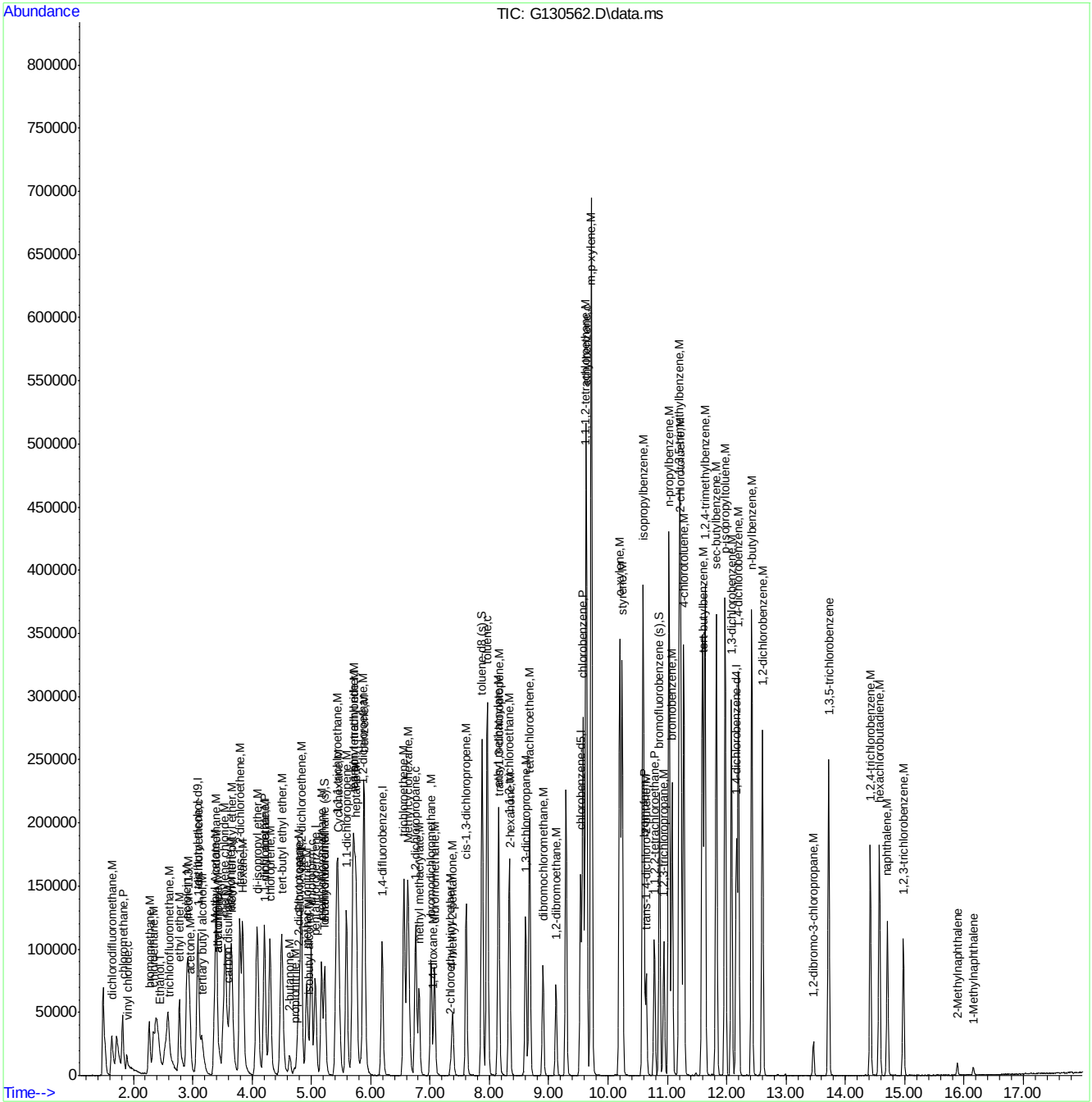
7.6.11

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130816\
Data File : G130562.D
Acq On : 16 Aug 2013 8:44 am
Operator : jaimem
Sample : bs
Misc : MS29663,MSG5090,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 16 09:07:24 2013
Quant Method : C:\msdchem\1\METHODS\g130628s.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Jun 29 07:48:45 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70800.D
Acq On : 5 Aug 2013 2:01 pm
Operator : krystend
Sample : IC2318-0.5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 16:54:16 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:53:04 2013
Response via : Initial Calibration

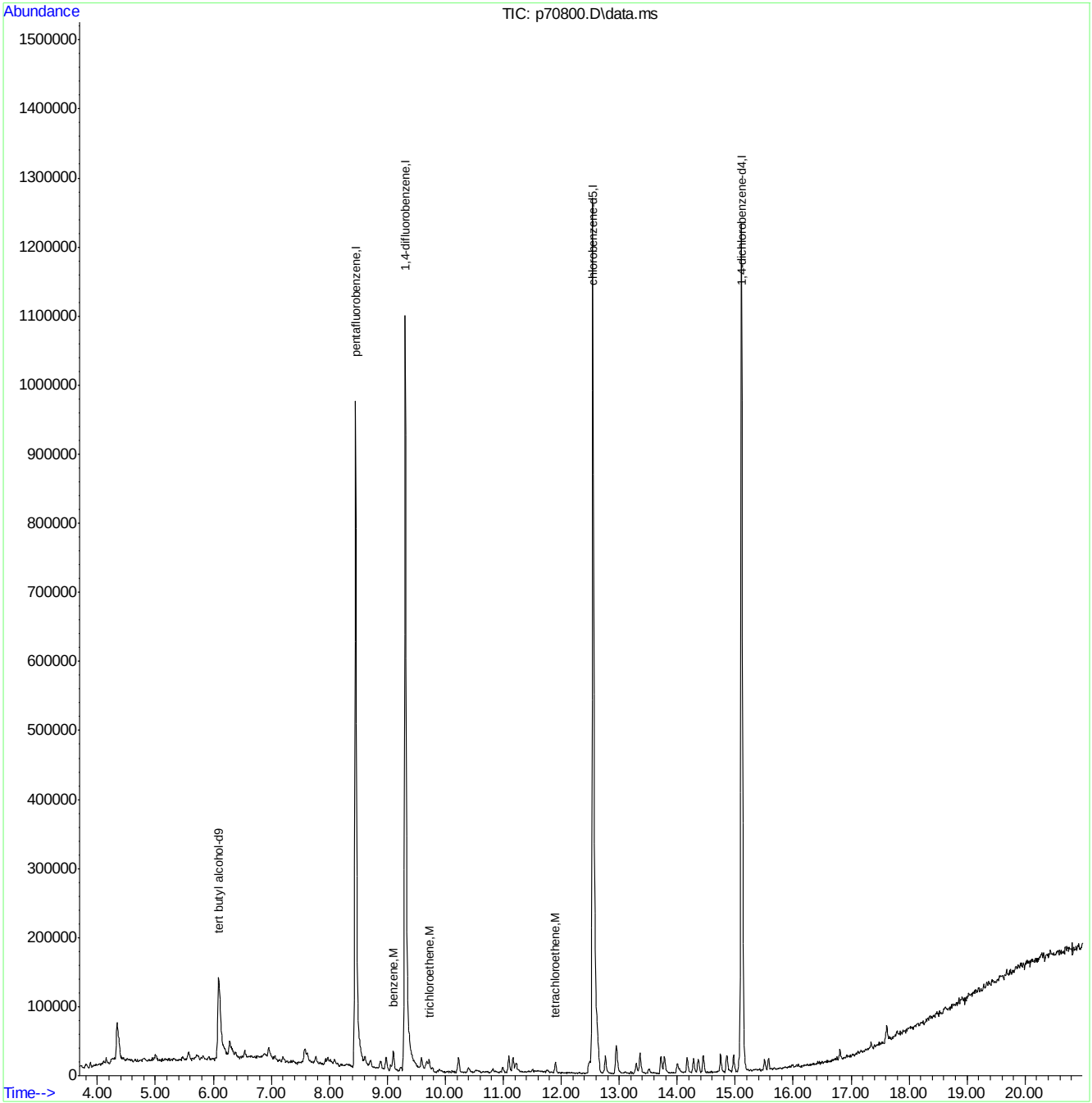
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.092	65	233662	500.00	ug/L	0.01
4) pentafluorobenzene	8.456	168	691029	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.312	114	948654	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	553994	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.112	152	368148	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	0.000	113	0d	0.00	ug/L	
Spiked Amount 50.000	Range 35 - 65		Recovery =	0.00%#		
60) toluene-d8 (s)	0.000	98	0d	0.00	ug/L	
Spiked Amount 50.000	Range 35 - 65		Recovery =	0.00%#		
82) bromofluorobenzene (s)	0.000	95	0d	0.00	ug/L	
Spiked Amount 50.000	Range 35 - 65		Recovery =	0.00%#		
Target Compounds						Qvalue
47) benzene	9.103	78	26513	0.93	ug/L	99
51) trichloroethene	9.729	95	5931	0.71	ug/L	84
67) tetrachloroethene	11.899	166	4757	0.67	ug/L	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70800.D
Acq On : 5 Aug 2013 2:01 pm
Operator : krystend
Sample : IC2318-0.5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 16:54:16 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:53:04 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23456

Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/06/13 16:32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70801.D
Acq On : 5 Aug 2013 2:29 pm
Operator : krystend
Sample : IC2318-2
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 16:56:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:54:31 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.078	65	238728	500.00	ug/L		0.00
4) pentafluorobenzene	8.456	168	669020	50.00	ug/L		0.00
43) 1,4-difluorobenzene	9.312	114	913259	50.00	ug/L		0.00
66) chlorobenzene-d5	12.545	82	521104	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.112	152	357788	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.086	113	12205	1.41	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 2.82%#				
60) toluene-d8 (s)	11.097	98	50122	1.54	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 3.08%#				
82) bromofluorobenzene (s)	13.778	95	20881	1.86	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 3.72%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.173	59	12030	21.15	ug/L	#	55
3) Ethanol	4.994	45	10641	138.18	ug/L		96
5) dichlorodifluoromethane	4.152	85	11525	1.97	ug/L		80
6) chloromethane	4.111	50	12712	2.41	ug/L		83
7) vinyl chloride	4.334	62	19525	2.56	ug/L	#	33
8) bromomethane	4.805	96	4993	2.09	ug/L		95
9) chloroethane	4.960	64	7237	2.39	ug/L		87
10) ethyl ether	5.816	59	7664	1.86	ug/L		88
11) acetonitrile	5.472	41	9746	3.48	ug/L		99
12) trichlorofluoromethane	5.566	101	26620	2.09	ug/L		97
13) freon-113	6.314	101	12022	2.15	ug/L		92
14) acrolein	5.580	56	6325	16.98	ug/L		91
15) 1,1-dichloroethene	6.132	96	10715	2.42	ug/L	#	80
16) acetone	5.708	58	3768	4.47	ug/L		92
17) Methyl Acetate	6.328	43	14583	2.32	ug/L		98
18) methylene chloride	6.280	84	16481	3.04	ug/L		86
19) methyl tert butyl ether	7.055	73	22973	2.04	ug/L		94
20) acrylonitrile	6.193	53	3926	2.33	ug/L		100
21) allyl chloride	6.375	41	14184	1.81	ug/L		91
22) trans-1,2-dichloroethene	6.954	96	12932	2.10	ug/L		97
23) iodomethane	6.186	142	5136	1.28	ug/L		97
24) carbon disulfide	6.536	76	25445	2.02	ug/L		97
25) propionitrile	7.237	54	1323m	1.46	ug/L		
26) vinyl acetate	7.318	43	17911	1.94	ug/L		93
27) chloroprene	7.560	53	23525	1.79	ug/L		99
28) di-isopropyl ether	7.614	45	48884	1.95	ug/L		97
29) methacrylonitrile	7.742	41	7974	1.79	ug/L		94
30) 2-butanone	7.634	72	971m	1.05	ug/L		
31) Hexane	7.580	41	30783	2.18	ug/L		93
32) 1,1-dichloroethane	7.203	63	26020	2.09	ug/L		93
33) tert-butyl ethyl ether	8.005	59	15905	2.02	ug/L		98
34) isobutyl alcohol	7.614	43	43766	9.16	ug/L		81
35) 2,2-dichloropropane	8.052	77	5503	0.81	ug/L		91
36) cis-1,2-dichloroethene	7.769	96	14802	2.12	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70801.D
Acq On : 5 Aug 2013 2:29 pm
Operator : krystend
Sample : IC2318-2
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 16:56:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:54:31 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	7.938	128	5342	2.01	ug/L		93
39) chloroform	7.971	83	26444	1.92	ug/L		97
41) Tetrahydrofuran	8.308	42	4996	2.44	ug/L		82
42) 1,1,1-trichloroethane	8.705	97	22777	1.79	ug/L		95
44) Cyclohexane	8.982	56	27106	2.00	ug/L		98
45) carbon tetrachloride	9.056	117	17371	1.66	ug/L		99
46) 1,1-dichloropropene	8.887	75	21519	1.96	ug/L		95
47) benzene	9.103	78	63524	1.62	ug/L		97
48) 1,2-dichloroethane	8.618	62	24543	1.99	ug/L		97
49) tert-amyl methyl ether	9.224	73	14255	2.52	ug/L		91
50) heptane	9.588	43	26809	2.10	ug/L		94
51) trichloroethene	9.723	95	15342	1.58	ug/L		94
52) 1,2-dichloropropane	9.689	63	16207	2.20	ug/L		93
53) dibromomethane	9.662	93	7507	1.89	ug/L		87
54) bromodichloromethane	9.777	83	16697	1.60	ug/L		99
55) Methylcyclohexane	10.228	83	24898	1.97	ug/L		89
57) methyl methacrylate	9.891	69	7592	1.77	ug/L		95
59) cis-1,3-dichloropropene	10.396	75	18175	1.53	ug/L		95
61) 4-methyl-2-pentanone	10.524	43	12456	1.73	ug/L	#	90
62) toluene	11.164	92	31803	1.80	ug/L		96
63) trans-1,3-dichloropropene	10.821	75	14148	1.45	ug/L		97
64) 1,1,2-trichloroethane	10.989	83	9316	1.74	ug/L		88
65) ethyl methacrylate	11.218	69	11426	1.40	ug/L	#	19
67) tetrachloroethene	11.899	166	14139	1.81	ug/L		99
68) 1,3-dichloropropane	11.218	76	19989	1.99	ug/L		92
69) dibromochloromethane	11.501	129	8364	1.37	ug/L		76
70) 1,2-dibromoethane	11.750	107	10795	1.85	ug/L		97
71) 2-hexanone	11.400	43	11384	2.33	ug/L		69
72) chlorobenzene	12.579	112	36599	2.09	ug/L		94
73) 1,1,1,2-tetrachloroethane	12.498	131	11012	1.77	ug/L		88
74) ethylbenzene	12.761	91	70204	2.11	ug/L		100
75) m,p-xylene	12.943	106	50430	4.06	ug/L		96
76) o-xylene	13.354	106	23578	1.90	ug/L		96
77) styrene	13.286	104	31912	1.67	ug/L		94
78) bromoform	13.098	173	4609	1.35	ug/L		84
79) trans-1,4-dichloro-2-b...	13.515	53	1261m	0.99	ug/L		
81) isopropylbenzene	13.717	105	68635	2.12	ug/L		98
83) bromobenzene	14.007	156	13139	1.93	ug/L		90
84) 1,1,2,2-tetrachloroethane	13.360	83	13354	1.95	ug/L		96
85) 1,2,3-trichloropropane	13.509	75	13092	1.86	ug/L		95
86) n-propylbenzene	14.169	91	75902	2.06	ug/L		98
87) 2-chlorotoluene	14.276	91	46787	2.05	ug/L		100
88) 4-chlorotoluene	14.357	91	47200	2.04	ug/L		100
89) 1,3,5-trimethylbenzene	14.445	105	53145	1.99	ug/L		98
90) tert-butylbenzene	14.748	91	37461	2.16	ug/L		89
91) 1,2,4-trimethylbenzene	14.856	105	49542	1.91	ug/L		94
92) sec-butylbenzene	14.970	105	65532	1.91	ug/L		95
93) 1,3-dichlorobenzene	15.071	146	24121	1.91	ug/L		95
94) p-isopropyltoluene	15.145	119	45840	1.91	ug/L		98
95) 1,4-dichlorobenzene	15.139	146	24731	2.06	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70801.D
Acq On : 5 Aug 2013 2:29 pm
Operator : krystend
Sample : IC2318-2
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 16:56:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:54:31 2013
Response via : Initial Calibration

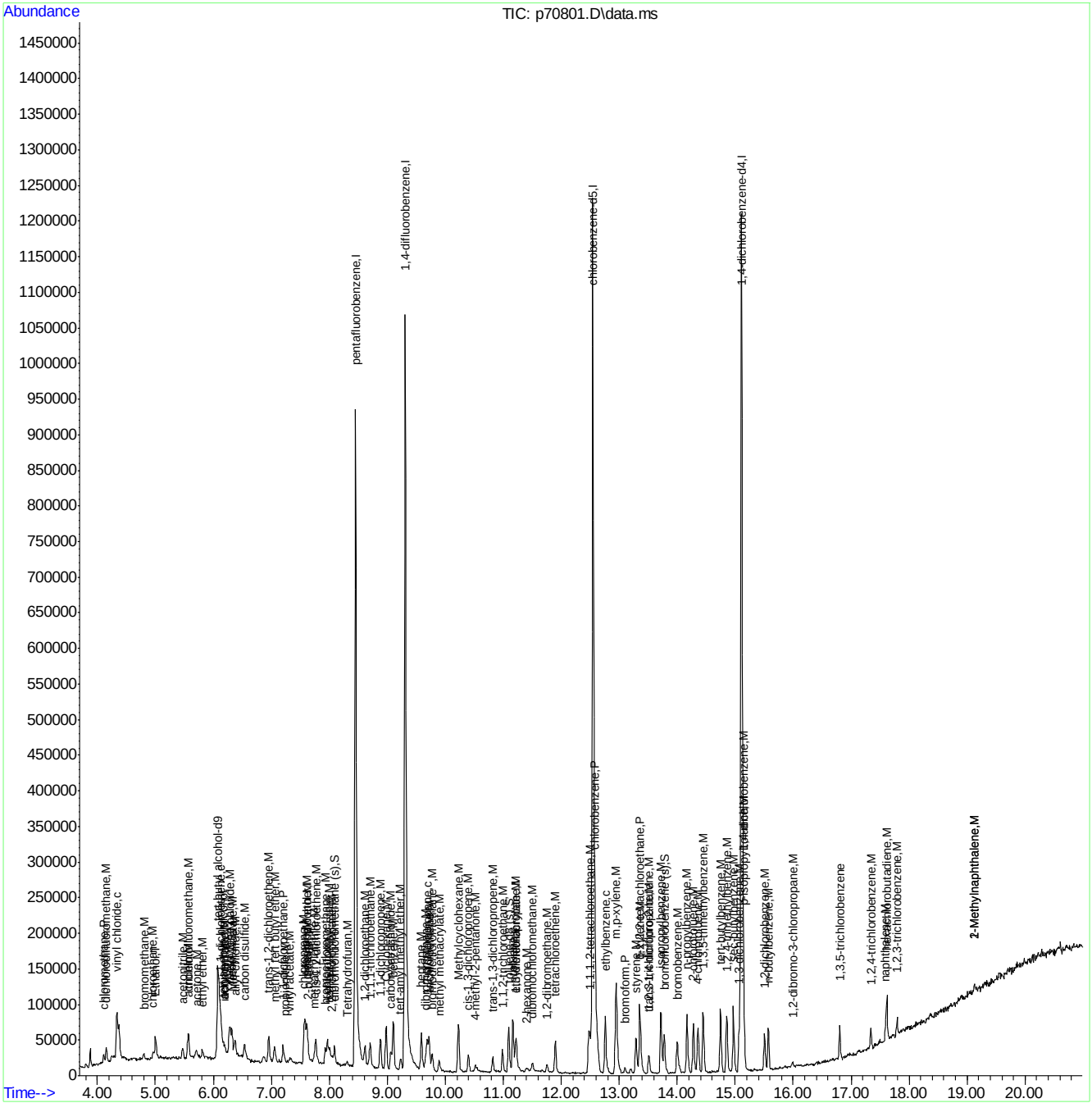
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2-dichlorobenzene	15.502	146	22739	1.93	ug/L	98
97) n-butylbenzene	15.570	91	38746	1.53	ug/L	92
98) 1,2-dibromo-3-chloropr...	15.994	75	2209m	1.76	ug/L	
99) 1,3,5-trichlorobenzene	16.803	180	15301	1.72	ug/L	100
100) 1,2,4-trichlorobenzene	17.341	180	8537	1.06	ug/L	95
101) hexachlorobutadiene	17.618	225	12920	2.16	ug/L	99
102) naphthalene	17.591	128	13594	1.07	ug/L	100
103) 1,2,3-trichlorobenzene	17.793	180	7578	1.09	ug/L	97
104) 2-Methylnaphthalene	19.127	142	4300	1.07	ug/L	96
105) 1-Methylnaphthalene	19.127	142	4300	1.21	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70801.D
Acq On : 5 Aug 2013 2:29 pm
Operator : krystend
Sample : IC2318-2
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 16:56:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:54:31 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23456

Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/06/13 16:32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70802.D
Acq On : 5 Aug 2013 2:57 pm
Operator : krystend
Sample : IC2318-5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 08:53:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:56:28 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.065	65	179401	500.00	ug/L	-0.01
4) pentafluorobenzene	8.456	168	672764	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.312	114	911074	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	533139	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.112	152	391373	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.092	113	31134	3.80	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 7.60%#			
60) toluene-d8 (s)	11.090	98	117209	3.68	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 7.36%#			
82) bromofluorobenzene (s)	13.771	95	46780	3.52	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 7.04%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.152	59	19989	45.46	ug/L #	55
3) Ethanol	4.973	45	33495	684.61	ug/L	94
5) dichlorodifluoromethane	4.152	85	27219	4.66	ug/L	98
6) chloromethane	4.111	50	29588	5.06	ug/L	89
7) vinyl chloride	4.334	62	42521	4.86	ug/L	63
8) bromomethane	4.798	96	9103	3.71	ug/L	98
9) chloroethane	4.953	64	17140	5.13	ug/L	98
10) ethyl ether	5.816	59	19475	4.87	ug/L	96
11) acetonitrile	5.472	41	23212	6.01	ug/L	98
12) trichlorofluoromethane	5.566	101	63857	4.87	ug/L	99
13) freon-113	6.314	101	31552	5.40	ug/L	95
14) acrolein	5.573	56	9641	19.08	ug/L	91
15) 1,1-dichloroethene	6.132	96	21376	4.34	ug/L	97
16) acetone	5.701	58	5081	3.71	ug/L	93
17) Methyl Acetate	6.321	43	34762	5.09	ug/L	99
18) methylene chloride	6.280	84	33519	4.88	ug/L	94
19) methyl tert butyl ether	7.055	73	44545	3.89	ug/L	99
20) acrylonitrile	6.199	53	10028	5.46	ug/L	88
21) allyl chloride	6.375	41	38828	5.17	ug/L	98
22) trans-1,2-dichloroethene	6.954	96	29939	4.72	ug/L	97
23) iodomethane	6.179	142	8582	2.59	ug/L	95
24) carbon disulfide	6.536	76	66127	5.19	ug/L	98
25) propionitrile	7.230	54	3194	4.05	ug/L	100
26) vinyl acetate	7.318	43	36475	3.99	ug/L	98
27) chloroprene	7.567	53	58509	4.67	ug/L	95
28) di-isopropyl ether	7.614	45	118352	4.76	ug/L	95
29) methacrylonitrile	7.735	41	16051	3.78	ug/L	90
30) 2-butanone	7.628	72	3066	4.32	ug/L #	80
31) Hexane	7.580	41	69309	4.67	ug/L	96
32) 1,1-dichloroethane	7.203	63	60682	4.74	ug/L	97
33) tert-butyl ethyl ether	8.005	59	33265	4.18	ug/L	90
34) isobutyl alcohol	7.607	43	108502	23.58	ug/L	77
35) 2,2-dichloropropane	8.052	77	15847	3.31	ug/L	97
36) cis-1,2-dichloroethene	7.769	96	32382	4.48	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70802.D
Acq On : 5 Aug 2013 2:57 pm
Operator : krystend
Sample : IC2318-5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 08:53:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:56:28 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.295	43	4355	8.82	ug/L	#	62
38) bromochloromethane	7.931	128	11374	4.24	ug/L		95
39) chloroform	7.964	83	66902	4.93	ug/L		93
41) Tetrahydrofuran	8.295	42	9977	4.36	ug/L		98
42) 1,1,1-trichloroethane	8.705	97	55821	4.61	ug/L		94
44) Cyclohexane	8.982	56	64854	4.79	ug/L		96
45) carbon tetrachloride	9.062	117	42854	4.49	ug/L		96
46) 1,1-dichloropropene	8.881	75	51532	4.75	ug/L		96
47) benzene	9.103	78	148406	4.05	ug/L		99
48) 1,2-dichloroethane	8.611	62	58765	4.78	ug/L		96
49) tert-amyl methyl ether	9.231	73	26770	4.20	ug/L		98
50) heptane	9.588	43	59947	4.59	ug/L		96
51) trichloroethene	9.723	95	41213	4.57	ug/L		94
52) 1,2-dichloropropane	9.689	63	34767	4.51	ug/L		99
53) dibromomethane	9.662	93	17778	4.61	ug/L		99
54) bromodichloromethane	9.777	83	42021	4.49	ug/L		100
55) Methylcyclohexane	10.228	83	58559	4.68	ug/L		98
56) 2-chloroethyl vinyl ether	10.235	63	1048m	6.24	ug/L		
57) methyl methacrylate	9.884	69	14263	3.54	ug/L		99
58) 1,4-dioxane	9.891	88	889m	14.33	ug/L		
59) cis-1,3-dichloropropene	10.396	75	44093	4.22	ug/L		92
61) 4-methyl-2-pentanone	10.504	43	27108	4.05	ug/L	#	88
62) toluene	11.164	92	81290	4.86	ug/L		96
63) trans-1,3-dichloropropene	10.821	75	34719	4.13	ug/L		100
64) 1,1,2-trichloroethane	10.982	83	22791	4.56	ug/L		93
65) ethyl methacrylate	11.211	69	29747	4.30	ug/L	#	7
67) tetrachloroethene	11.898	166	34504	4.46	ug/L		99
68) 1,3-dichloropropane	11.218	76	48091	4.69	ug/L		96
69) dibromochloromethane	11.501	129	21272	4.05	ug/L		98
70) 1,2-dibromoethane	11.750	107	26618	4.64	ug/L		91
71) 2-hexanone	11.380	43	20900	3.86	ug/L		82
72) chlorobenzene	12.579	112	90620	4.95	ug/L		97
73) 1,1,1,2-tetrachloroethane	12.498	131	26880	4.48	ug/L		93
74) ethylbenzene	12.761	91	168088	4.81	ug/L		99
75) m,p-xylene	12.943	106	122667	9.58	ug/L		98
76) o-xylene	13.354	106	61768	4.98	ug/L		96
77) styrene	13.286	104	83547	4.66	ug/L		98
78) bromoform	13.098	173	11112	3.80	ug/L		91
79) trans-1,4-dichloro-2-b...	13.354	53	3519	3.61	ug/L	#	1
81) isopropylbenzene	13.717	105	166534	4.57	ug/L		97
83) bromobenzene	14.000	156	34548	4.73	ug/L		93
84) 1,1,2,2-tetrachloroethane	13.360	83	31805	4.30	ug/L		92
85) 1,2,3-trichloropropane	13.508	75	30442	4.10	ug/L		98
86) n-propylbenzene	14.169	91	189281	4.63	ug/L		99
87) 2-chlorotoluene	14.276	91	122404	4.84	ug/L		98
88) 4-chlorotoluene	14.357	91	117687	4.60	ug/L		91
89) 1,3,5-trimethylbenzene	14.445	105	139873	4.80	ug/L		95
90) tert-butylbenzene	14.748	91	93033	4.72	ug/L		99
91) 1,2,4-trimethylbenzene	14.856	105	132160	4.77	ug/L		98
92) sec-butylbenzene	14.970	105	175628	4.79	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70802.D
Acq On : 5 Aug 2013 2:57 pm
Operator : krystend
Sample : IC2318-5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 08:53:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:56:28 2013
Response via : Initial Calibration

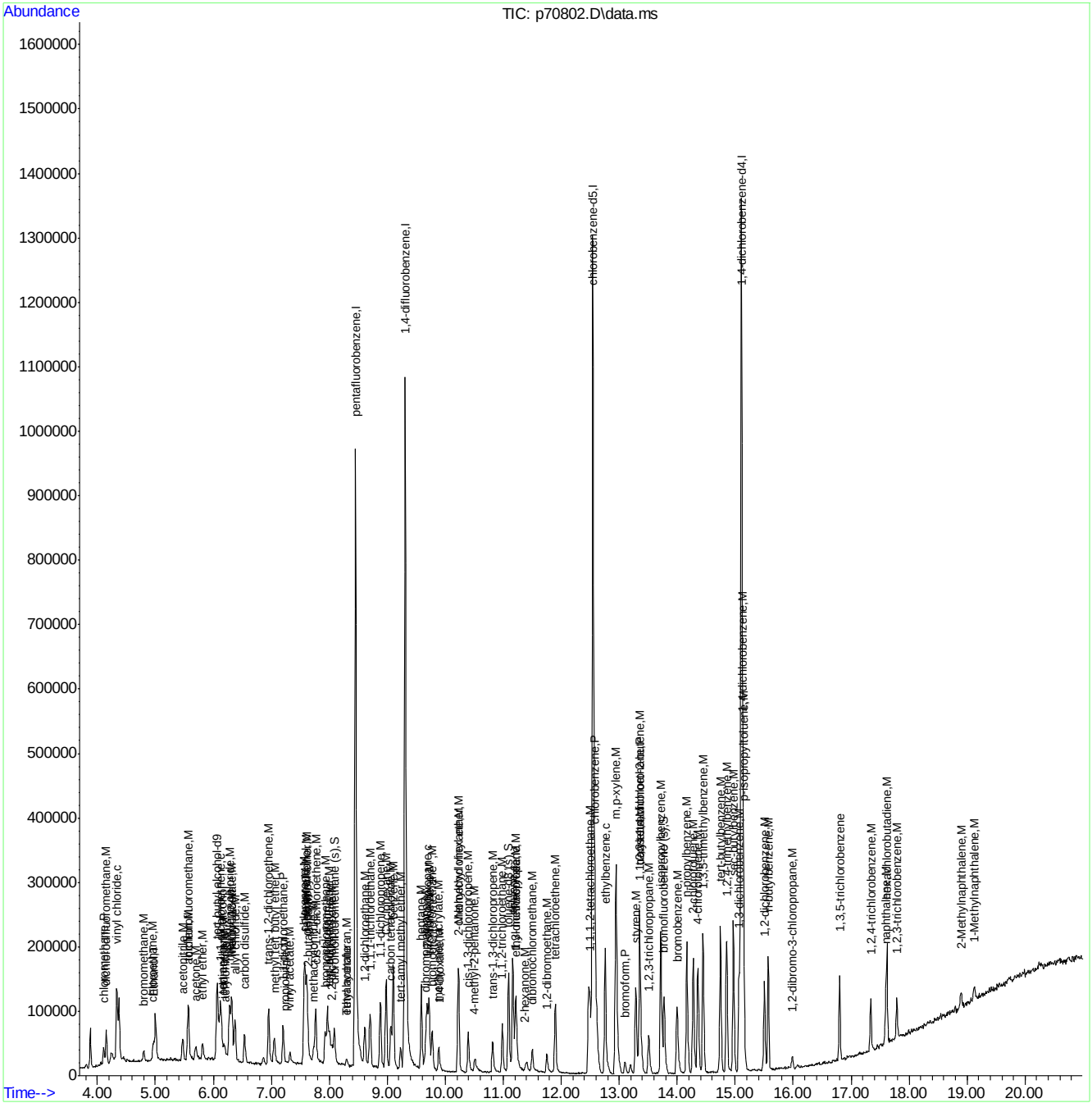
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.071	146	64590	4.78	ug/L	98
94) p-isopropyltoluene	15.145	119	119943	4.68	ug/L	99
95) 1,4-dichlorobenzene	15.132	146	64869	4.87	ug/L	95
96) 1,2-dichlorobenzene	15.502	146	58589	4.63	ug/L	99
97) n-butylbenzene	15.570	91	111031	4.54	ug/L	99
98) 1,2-dibromo-3-chloropr...	15.987	75	4681	3.62	ug/L	85
99) 1,3,5-trichlorobenzene	16.803	180	42585	4.70	ug/L	97
100) 1,2,4-trichlorobenzene	17.341	180	27958	4.15	ug/L	92
101) hexachlorobutadiene	17.618	225	32688	4.80	ug/L	93
102) naphthalene	17.597	128	30969	2.91	ug/L	100
103) 1,2,3-trichlorobenzene	17.786	180	22151	3.76	ug/L	94
104) 2-Methylnaphthalene	18.898	142	10893	2.40	ug/L	93
105) 1-Methylnaphthalene	19.127	142	10749	2.51	ug/L	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70802.D
Acq On : 5 Aug 2013 2:57 pm
Operator : krystend
Sample : IC2318-5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 08:53:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:56:28 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70804.D
Acq On : 5 Aug 2013 3:53 pm
Operator : krystend
Sample : IC2318-20
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 08:54:59 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:54:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.058	65	271397	500.00	ug/L	-0.02
4) pentafluorobenzene	8.449	168	715229	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.305	114	975838	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	587115	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	431995	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	135768	16.75	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 33.50%#			
60) toluene-d8 (s)	11.090	98	508112	16.24	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 32.48%#			
82) bromofluorobenzene (s)	13.771	95	197351	14.95	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 29.90%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.146	59	121200	190.43	ug/L	94
3) Ethanol	4.980	45	155866	1913.50	ug/L	94
5) dichlorodifluoromethane	4.152	85	114523	19.17	ug/L	95
6) chloromethane	4.104	50	108765	17.93	ug/L	98
7) vinyl chloride	4.327	62	150909	16.96	ug/L	96
8) bromomethane	4.798	96	37653	15.38	ug/L	99
9) chloroethane	4.953	64	63004	17.86	ug/L	97
10) ethyl ether	5.809	59	80278	19.30	ug/L	92
11) acetonitrile	5.465	41	60317	14.09	ug/L	98
12) trichlorofluoromethane	5.566	101	263848	19.23	ug/L	99
13) freon-113	6.314	101	116155	18.64	ug/L	97
14) acrolein	5.566	56	42435	87.56	ug/L	98
15) 1,1-dichloroethene	6.125	96	90373	18.45	ug/L	97
16) acetone	5.694	58	20654	16.26	ug/L	97
17) Methyl Acetate	6.314	43	133729	18.40	ug/L	100
18) methylene chloride	6.274	84	113510	16.38	ug/L	92
19) methyl tert butyl ether	7.048	73	229126	19.90	ug/L	98
20) acrylonitrile	6.193	53	36096	17.85	ug/L	94
21) allyl chloride	6.368	41	156441	18.80	ug/L	96
22) trans-1,2-dichloroethene	6.954	96	121005	18.56	ug/L	96
23) iodomethane	6.179	142	70213	23.13	ug/L	96
24) carbon disulfide	6.536	76	226245	16.42	ug/L	100
25) propionitrile	7.223	54	18010	21.90	ug/L	100
26) vinyl acetate	7.311	43	176897	19.45	ug/L	96
27) chloroprene	7.560	53	266281	20.36	ug/L	99
28) di-isopropyl ether	7.607	45	502223	19.37	ug/L	99
29) methacrylonitrile	7.722	41	80509	18.87	ug/L	95
30) 2-butanone	7.621	72	15029	19.87	ug/L	96
31) Hexane	7.580	41	283325	18.72	ug/L	94
32) 1,1-dichloroethane	7.203	63	255802	19.18	ug/L	99
33) tert-butyl ethyl ether	7.998	59	170637	20.58	ug/L	99
34) isobutyl alcohol	7.607	43	482335	100.44	ug/L	91
35) 2,2-dichloropropane	8.045	77	130945	28.18	ug/L	99
36) cis-1,2-dichloroethene	7.762	96	138494	18.94	ug/L	99

ACCUTEST LABORATORIES MC23456

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70804.D
Acq On : 5 Aug 2013 3:53 pm
Operator : krystend
Sample : IC2318-20
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 08:54:59 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:54:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.294	43	12707	18.36	ug/L	#	62
38) bromochloromethane	7.924	128	51786	19.03	ug/L		93
39) chloroform	7.964	83	278827	19.49	ug/L		97
41) Tetrahydrofuran	8.294	42	38129	16.90	ug/L		99
42) 1,1,1-trichloroethane	8.705	97	251524	20.10	ug/L		99
44) Cyclohexane	8.982	56	278778	19.60	ug/L		98
45) carbon tetrachloride	9.062	117	201898	20.56	ug/L		98
46) 1,1-dichloropropene	8.881	75	223477	19.61	ug/L		99
47) benzene	9.096	78	570936	15.97	ug/L		100
48) 1,2-dichloroethane	8.611	62	245902	19.08	ug/L		99
49) tert-amyl methyl ether	9.224	73	131607	19.89	ug/L		99
50) heptane	9.581	43	261997	19.45	ug/L		97
51) trichloroethene	9.716	95	158542	17.09	ug/L		97
52) 1,2-dichloropropane	9.682	63	151777	19.17	ug/L		98
53) dibromomethane	9.655	93	76594	19.24	ug/L		96
54) bromodichloromethane	9.770	83	190327	19.63	ug/L		99
55) Methylcyclohexane	10.228	83	253325	19.44	ug/L		97
56) 2-chloroethyl vinyl ether	10.228	63	3535	18.91	ug/L	#	97
57) methyl methacrylate	9.884	69	80628	20.33	ug/L		94
58) 1,4-dioxane	9.878	88	6278	110.00	ug/L		99
59) cis-1,3-dichloropropene	10.389	75	219335	20.63	ug/L		100
61) 4-methyl-2-pentanone	10.497	43	142213	20.81	ug/L		98
62) toluene	11.164	92	357869	20.12	ug/L		100
63) trans-1,3-dichloropropene	10.814	75	180810	21.06	ug/L		100
64) 1,1,2-trichloroethane	10.982	83	101653	19.46	ug/L		100
65) ethyl methacrylate	11.198	69	155306	21.53	ug/L		98
67) tetrachloroethene	11.898	166	146928	18.07	ug/L		96
68) 1,3-dichloropropane	11.218	76	212791	19.23	ug/L		98
69) dibromochloromethane	11.501	129	112349	20.78	ug/L		99
70) 1,2-dibromoethane	11.750	107	120509	19.56	ug/L		98
71) 2-hexanone	11.353	43	105355	19.14	ug/L		96
72) chlorobenzene	12.579	112	385518	19.24	ug/L		98
73) 1,1,1,2-tetrachloroethane	12.498	131	128188	20.16	ug/L		98
74) ethylbenzene	12.754	91	726859	19.29	ug/L		99
75) m,p-xylene	12.943	106	545244	39.28	ug/L		99
76) o-xylene	13.353	106	269011	19.79	ug/L		98
77) styrene	13.279	104	386532	20.12	ug/L		99
78) bromoform	13.098	173	59158	20.10	ug/L		90
79) trans-1,4-dichloro-2-b...	13.515	53	24177	24.28	ug/L	#	87
81) isopropylbenzene	13.717	105	741883	19.08	ug/L		98
83) bromobenzene	13.993	156	151967	19.34	ug/L		96
84) 1,1,2,2-tetrachloroethane	13.360	83	149915	19.21	ug/L		96
85) 1,2,3-trichloropropane	13.508	75	151275	19.48	ug/L		97
86) n-propylbenzene	14.162	91	837602	19.10	ug/L		100
87) 2-chlorotoluene	14.276	91	521031	18.96	ug/L		99
88) 4-chlorotoluene	14.350	91	512817	18.83	ug/L		97
89) 1,3,5-trimethylbenzene	14.445	105	604572	19.12	ug/L		97
90) tert-butylbenzene	14.741	91	397958	18.72	ug/L		99
91) 1,2,4-trimethylbenzene	14.849	105	580683	19.37	ug/L		98
92) sec-butylbenzene	14.970	105	770810	19.32	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70804.D
Acq On : 5 Aug 2013 3:53 pm
Operator : krystend
Sample : IC2318-20
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 08:54:59 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:54:49 2013
Response via : Initial Calibration

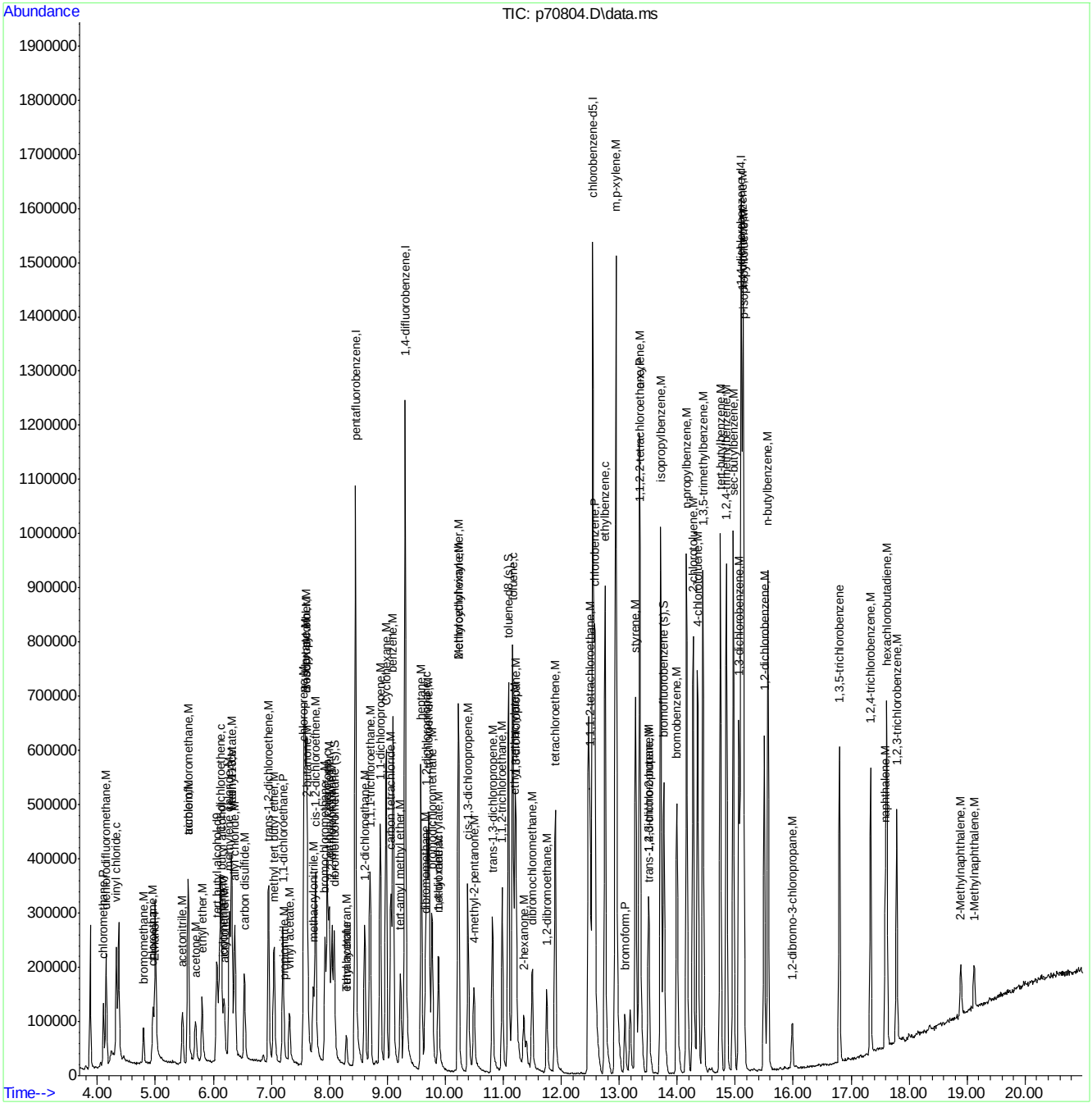
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	280643	19.20	ug/L	97
94)	p-isopropyltoluene	15.145	119	543874	19.66	ug/L	99
95)	1,4-dichlorobenzene	15.132	146	274484	19.08	ug/L	99
96)	1,2-dichlorobenzene	15.502	146	260895	19.35	ug/L	96
97)	n-butylbenzene	15.563	91	558427	21.15	ug/L	99
98)	1,2-dibromo-3-chloropr...	15.981	75	24694	19.24	ug/L	99
99)	1,3,5-trichlorobenzene	16.796	180	195105	20.27	ug/L	96
100)	1,2,4-trichlorobenzene	17.335	180	164076	23.45	ug/L	95
101)	hexachlorobutadiene	17.618	225	133762	18.32	ug/L	94
102)	naphthalene	17.591	128	211907	22.02	ug/L	100
103)	1,2,3-trichlorobenzene	17.786	180	136774	22.82	ug/L	98
104)	2-Methylnaphthalene	18.891	142	47660	9.64	ug/L	94
105)	1-Methylnaphthalene	19.120	142	43378	9.27	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70804.D
Acq On : 5 Aug 2013 3:53 pm
Operator : krystend
Sample : IC2318-20
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 08:54:59 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:54:49 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70805.D
Acq On : 5 Aug 2013 4:21 pm
Operator : krystend
Sample : ICC2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 09:17:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 09:17:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	249579	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	730946	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.305	114	1005148	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	627345	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	464823	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	378766	37.99	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 75.98%#			
60) toluene-d8 (s)	11.090	98	1430363	37.74	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 75.48%#			
82) bromofluorobenzene (s)	13.771	95	583813	38.66	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 77.32%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	297329	533.69	ug/L	100
3) Ethanol	4.987	45	402531	5555.25	ug/L	100
5) dichlorodifluoromethane	4.152	85	319367	53.28	ug/L	100
6) chloromethane	4.104	50	287740	45.93	ug/L	100
7) vinyl chloride	4.333	62	417384	50.11	ug/L	100
8) bromomethane	4.798	96	130454	46.41	ug/L	100
9) chloroethane	4.960	64	165571	49.00	ug/L	100
10) ethyl ether	5.809	59	225073	53.36	ug/L	100
11) acetonitrile	5.472	41	153091	52.19	ug/L	100
12) trichlorofluoromethane	5.566	101	697305	53.07	ug/L	100
13) freon-113	6.314	101	305903	50.05	ug/L	100
14) acrolein	5.573	56	101726	263.46	ug/L	100
15) 1,1-dichloroethene	6.132	96	242111	51.16	ug/L	100
16) acetone	5.701	58	46046	57.48	ug/L	100
17) Methyl Acetate	6.321	43	343285	49.17	ug/L	100
18) methylene chloride	6.280	84	296640	52.62	ug/L	100
19) methyl tert butyl ether	7.048	73	615433	51.91	ug/L	100
20) acrylonitrile	6.193	53	92233	49.09	ug/L	100
21) allyl chloride	6.368	41	428649	54.78	ug/L	100
22) trans-1,2-dichloroethene	6.954	96	336380	51.69	ug/L	100
23) iodomethane	6.186	142	219778	49.59	ug/L	100
24) carbon disulfide	6.536	76	689584	43.48	ug/L	100
25) propionitrile	7.223	54	49593	52.90	ug/L	100
26) vinyl acetate	7.311	43	503886	52.45	ug/L	100
27) chloroprene	7.560	53	717988	53.93	ug/L	100
28) di-isopropyl ether	7.607	45	1366876	53.60	ug/L	100
29) methacrylonitrile	7.729	41	246772	57.02	ug/L	100
30) 2-butanone	7.621	72	50615	59.82	ug/L	100
31) Hexane	7.580	41	771571	52.95	ug/L	100
32) 1,1-dichloroethane	7.203	63	680213	51.88	ug/L	100
33) tert-butyl ethyl ether	7.998	59	429995	46.70	ug/L	100
34) isobutyl alcohol	7.614	43	1304578	273.92	ug/L	100
35) 2,2-dichloropropane	8.045	77	370642	43.36	ug/L	100
36) cis-1,2-dichloroethene	7.762	96	381060	51.78	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70805.D
Acq On : 5 Aug 2013 4:21 pm
Operator : krystend
Sample : ICC2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 09:17:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 09:17:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.294	43	26836	50.43	ug/L		100
38) bromochloromethane	7.931	128	145273	55.05	ug/L		100
39) chloroform	7.964	83	752679	52.97	ug/L		100
41) Tetrahydrofuran	8.294	42	112060	50.58	ug/L		100
42) 1,1,1-trichloroethane	8.705	97	693473	53.89	ug/L		100
44) Cyclohexane	8.982	56	746480	52.74	ug/L		100
45) carbon tetrachloride	9.062	117	575203	55.09	ug/L		100
46) 1,1-dichloropropene	8.881	75	604306	53.19	ug/L		100
47) benzene	9.096	78	1512455	52.80	ug/L		100
48) 1,2-dichloroethane	8.611	62	680083	53.59	ug/L		100
49) tert-amyl methyl ether	9.231	73	310826	46.45	ug/L		100
50) heptane	9.581	43	702795	52.72	ug/L		100
51) trichloroethene	9.716	95	441328	52.07	ug/L		100
52) 1,2-dichloropropane	9.689	63	404725	51.28	ug/L		100
53) dibromomethane	9.655	93	219108	54.28	ug/L		100
54) bromodichloromethane	9.770	83	572649	54.53	ug/L		100
55) Methylcyclohexane	10.228	83	695163	52.69	ug/L		100
56) 2-chloroethyl vinyl ether	10.228	63	9259	56.44	ug/L	#	100
57) methyl methacrylate	9.884	69	235948	55.29	ug/L		100
58) 1,4-dioxane	9.877	88	17116	265.57	ug/L		100
59) cis-1,3-dichloropropene	10.389	75	652006	55.48	ug/L		100
61) 4-methyl-2-pentanone	10.497	43	396004	55.55	ug/L		100
62) toluene	11.164	92	971808	53.77	ug/L		100
63) trans-1,3-dichloropropene	10.814	75	537683	50.21	ug/L		100
64) 1,1,2-trichloroethane	10.982	83	295310	55.26	ug/L		100
65) ethyl methacrylate	11.198	69	448355	52.24	ug/L		100
67) tetrachloroethene	11.898	166	401389	48.62	ug/L		100
68) 1,3-dichloropropane	11.218	76	603888	52.61	ug/L		100
69) dibromochloromethane	11.501	129	366396	50.00	ug/L		100
70) 1,2-dibromoethane	11.750	107	350654	52.44	ug/L		100
71) 2-hexanone	11.360	43	294167	50.37	ug/L		100
72) chlorobenzene	12.579	112	1053941	50.37	ug/L		100
73) 1,1,1,2-tetrachloroethane	12.498	131	375299	53.42	ug/L		100
74) ethylbenzene	12.754	91	2000034	51.08	ug/L		100
75) m,p-xylene	12.943	106	1497181	103.69	ug/L		100
76) o-xylene	13.353	106	748837	52.27	ug/L		100
77) styrene	13.279	104	1150154	53.75	ug/L		100
78) bromoform	13.097	173	205689	47.40	ug/L		100
79) trans-1,4-dichloro-2-b...	13.515	53	76615	46.26	ug/L		100
81) isopropylbenzene	13.717	105	2100859	54.19	ug/L		100
83) bromobenzene	13.993	156	441293	53.79	ug/L		100
84) 1,1,2,2-tetrachloroethane	13.360	83	444699	55.43	ug/L		100
85) 1,2,3-trichloropropane	13.508	75	457115	54.67	ug/L		100
86) n-propylbenzene	14.162	91	2394644	54.75	ug/L		100
87) 2-chlorotoluene	14.276	91	1481434	53.02	ug/L		100
88) 4-chlorotoluene	14.350	91	1504573	53.77	ug/L		100
89) 1,3,5-trimethylbenzene	14.445	105	1737923	53.76	ug/L		100
90) tert-butylbenzene	14.741	91	1126549	52.71	ug/L		100
91) 1,2,4-trimethylbenzene	14.849	105	1683263	53.99	ug/L		100
92) sec-butylbenzene	14.970	105	2230110	54.96	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70805.D
Acq On : 5 Aug 2013 4:21 pm
Operator : krystend
Sample : ICC2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 09:17:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 09:17:04 2013
Response via : Initial Calibration

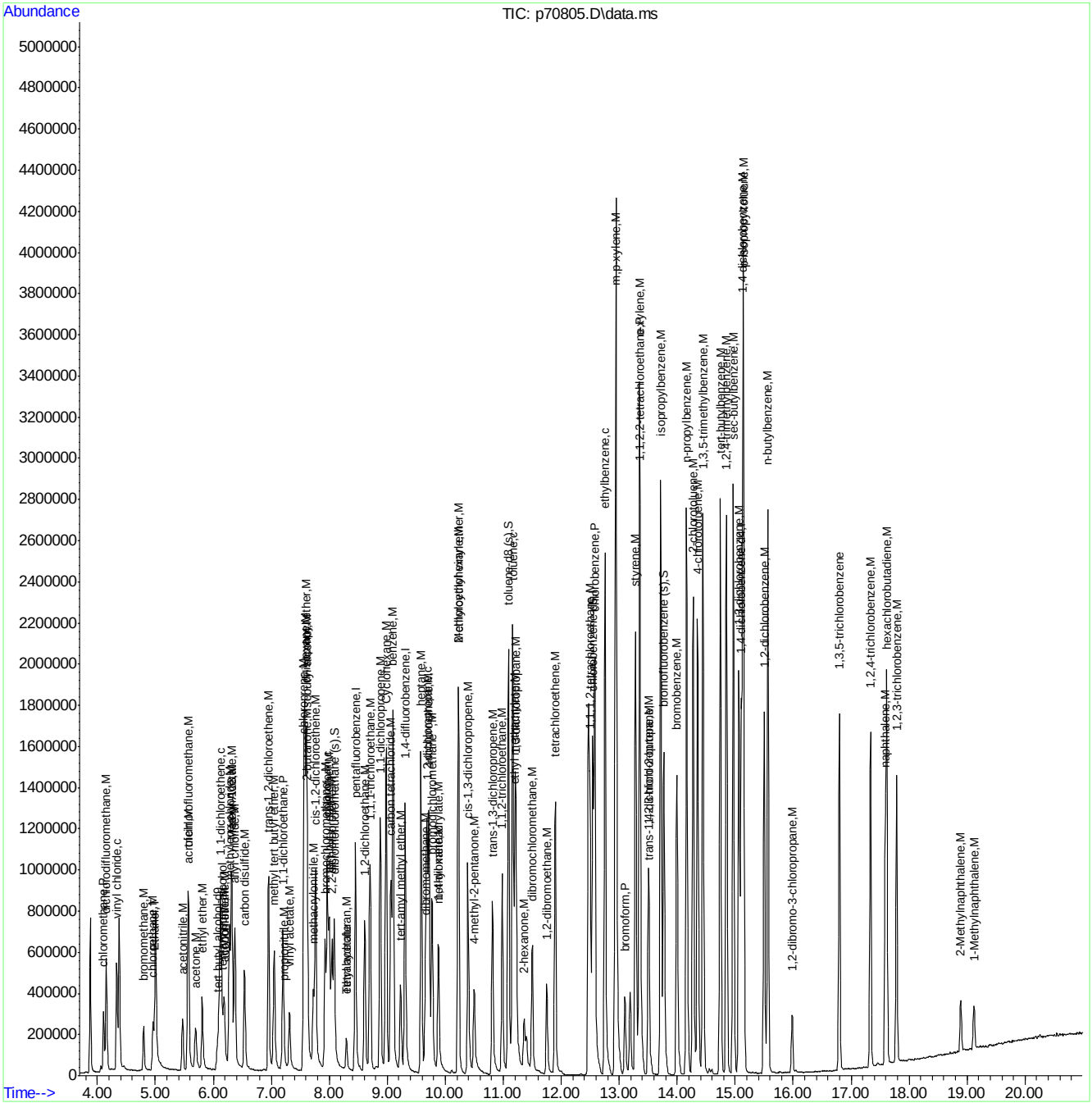
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	822423	53.43	ug/L	100
94)	p-isopropyltoluene	15.145	119	1555255	54.03	ug/L	100
95)	1,4-dichlorobenzene	15.132	146	779531	52.58	ug/L	100
96)	1,2-dichlorobenzene	15.502	146	764577	52.92	ug/L	100
97)	n-butylbenzene	15.563	91	1649220	56.04	ug/L	100
98)	1,2-dibromo-3-chloropr...	15.981	75	81716	48.89	ug/L	100
99)	1,3,5-trichlorobenzene	16.796	180	578341	53.64	ug/L	100
100)	1,2,4-trichlorobenzene	17.335	180	522122	50.37	ug/L	100
101)	hexachlorobutadiene	17.618	225	388346	49.68	ug/L	100
102)	naphthalene	17.591	128	822058	46.15	ug/L	100
103)	1,2,3-trichlorobenzene	17.786	180	452672	48.93	ug/L	100
104)	2-Methylnaphthalene	18.891	142	130404	24.56	ug/L	100
105)	1-Methylnaphthalene	19.120	142	115102	23.91	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70805.D
Acq On : 5 Aug 2013 4:21 pm
Operator : krystend
Sample : ICC2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 09:17:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 09:17:04 2013
Response via : Initial Calibration



P130805S.M Tue Aug 06 09:36:33 2013 Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70806.D
Acq On : 5 Aug 2013 4:49 pm
Operator : krystend
Sample : IC2318-100
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 08:55:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:21 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.065	65	256337	500.00	ug/L	-0.01
4) pentafluorobenzene	8.449	168	774182	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.305	114	1072323	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	648699	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	511595	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	957294	86.26	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 172.52%#			
60) toluene-d8 (s)	11.090	98	3558145	82.60	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 165.20%#			
82) bromofluorobenzene (s)	13.771	95	1528805	80.28	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 160.56%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.152	59	503061	676.93	ug/L	98
3) Ethanol	4.987	45	694313	7256.03	ug/L	98
5) dichlorodifluoromethane	4.152	85	578041	72.04	ug/L	100
6) chloromethane	4.105	50	532818	66.53	ug/L	98
7) vinyl chloride	4.334	62	769408	66.53	ug/L	99
8) bromomethane	4.798	96	276676	93.61	ug/L	97
9) chloroethane	4.953	64	310985	67.39	ug/L	97
10) ethyl ether	5.802	59	391044	69.91	ug/L	100
11) acetonitrile	5.465	41	213192	41.09	ug/L	96
12) trichlorofluoromethane	5.566	101	1210380	65.93	ug/L	99
13) freon-113	6.314	101	545906	65.63	ug/L	99
14) acrolein	5.566	56	170457	270.00	ug/L	100
15) 1,1-dichloroethene	6.132	96	429843	66.05	ug/L	98
16) acetone	5.694	58	73865	45.04	ug/L	92
17) Methyl Acetate	6.314	43	565697	59.26	ug/L	100
18) methylene chloride	6.280	84	518586	57.91	ug/L	96
19) methyl tert butyl ether	7.048	73	1062315	69.23	ug/L	99
20) acrylonitrile	6.193	53	157937	60.51	ug/L	99
21) allyl chloride	6.368	41	762558	70.68	ug/L	98
22) trans-1,2-dichloroethene	6.954	96	609789	70.50	ug/L	99
23) iodomethane	6.186	142	439883	102.28	ug/L	98
24) carbon disulfide	6.536	76	1540868	89.28	ug/L	99
25) propionitrile	7.223	54	82485	73.31	ug/L	100
26) vinyl acetate	7.311	43	875570	72.09	ug/L	99
27) chloroprene	7.560	53	1306626	73.50	ug/L	100
28) di-isopropyl ether	7.607	45	2399133	69.12	ug/L	98
29) methacrylonitrile	7.722	41	417241	75.25	ug/L	98
30) 2-butanone	7.621	72	93305	94.10	ug/L #	67
31) Hexane	7.580	41	1347825	66.75	ug/L	99
32) 1,1-dichloroethane	7.203	63	1224124	68.85	ug/L	99
33) tert-butyl ethyl ether	7.998	59	786773	70.82	ug/L	99
34) isobutyl alcohol	7.607	43	2257321	346.91	ug/L	95
35) 2,2-dichloropropane	8.045	77	800094	110.91	ug/L	99
36) cis-1,2-dichloroethene	7.762	96	693007	70.93	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70806.D
Acq On : 5 Aug 2013 4:49 pm
Operator : krystend
Sample : IC2318-100
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 08:55:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:21 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.288	43	46555	47.41	ug/L		79
38) bromochloromethane	7.924	128	247648	68.83	ug/L		97
39) chloroform	7.964	83	1343440	69.95	ug/L		100
41) Tetrahydrofuran	8.295	42	188637	64.56	ug/L		96
42) 1,1,1-trichloroethane	8.705	97	1250445	73.62	ug/L		99
44) Cyclohexane	8.982	56	1336561	68.77	ug/L		98
45) carbon tetrachloride	9.063	117	1050088	76.73	ug/L		100
46) 1,1-dichloropropene	8.881	75	1065108	68.48	ug/L		99
47) benzene	9.096	78	2732592	60.14	ug/L		99
48) 1,2-dichloroethane	8.611	62	1169389	67.04	ug/L		100
49) tert-amyl methyl ether	9.231	73	573053	64.09	ug/L		99
50) heptane	9.581	43	1244016	67.58	ug/L		99
51) trichloroethene	9.716	95	826245	70.07	ug/L		97
52) 1,2-dichloropropane	9.682	63	734560	68.31	ug/L		100
53) dibromomethane	9.655	93	376202	69.40	ug/L		95
54) bromodichloromethane	9.770	83	1074714	81.38	ug/L		100
55) Methylcyclohexane	10.228	83	1262366	71.05	ug/L		96
56) 2-chloroethyl vinyl ether	10.228	63	15264	54.99	ug/L	#	93
57) methyl methacrylate	9.878	69	418688	77.15	ug/L		94
58) 1,4-dioxane	9.878	88	29522	350.25	ug/L		90
59) cis-1,3-dichloropropene	10.390	75	1195671	80.98	ug/L		98
61) 4-methyl-2-pentanone	10.497	43	669508	70.90	ug/L		97
62) toluene	11.164	92	1744023	71.28	ug/L		100
63) trans-1,3-dichloropropene	10.814	75	991359	82.92	ug/L		98
64) 1,1,2-trichloroethane	10.982	83	517514	73.13	ug/L		95
65) ethyl methacrylate	11.198	69	795845	78.91	ug/L		98
67) tetrachloroethene	11.899	166	721016	68.18	ug/L		99
68) 1,3-dichloropropane	11.218	76	1048758	69.75	ug/L		100
69) dibromochloromethane	11.501	129	676706	89.12	ug/L		99
70) 1,2-dibromoethane	11.750	107	616700	73.06	ug/L		99
71) 2-hexanone	11.353	43	526492	70.44	ug/L		99
72) chlorobenzene	12.579	112	1918656	70.26	ug/L		99
73) 1,1,1,2-tetrachloroethane	12.498	131	673272	76.25	ug/L		98
74) ethylbenzene	12.754	91	3670439	71.18	ug/L		100
75) m,p-xylene	12.943	106	2687535	141.03	ug/L		99
76) o-xylene	13.354	106	1346109	71.87	ug/L		97
77) styrene	13.279	104	2128195	79.79	ug/L		99
78) bromoform	13.098	173	391529	95.71	ug/L		94
79) trans-1,4-dichloro-2-b...	13.509	53	145825	98.91	ug/L	#	75
81) isopropylbenzene	13.717	105	3817972	67.36	ug/L		99
83) bromobenzene	13.994	156	810033	70.23	ug/L		100
84) 1,1,2,2-tetrachloroethane	13.360	83	769428	67.78	ug/L		96
85) 1,2,3-trichloropropane	13.509	75	810415	71.57	ug/L		99
86) n-propylbenzene	14.162	91	4410645	69.01	ug/L		99
87) 2-chlorotoluene	14.276	91	2716822	68.02	ug/L		100
88) 4-chlorotoluene	14.351	91	2750411	69.47	ug/L		100
89) 1,3,5-trimethylbenzene	14.445	105	3220550	69.85	ug/L		100
90) tert-butylbenzene	14.741	91	2079264	67.60	ug/L		99
91) 1,2,4-trimethylbenzene	14.849	105	3143721	71.53	ug/L		100
92) sec-butylbenzene	14.970	105	4137157	70.98	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70806.D
Acq On : 5 Aug 2013 4:49 pm
Operator : krystend
Sample : IC2318-100
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 08:55:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:21 2013
Response via : Initial Calibration

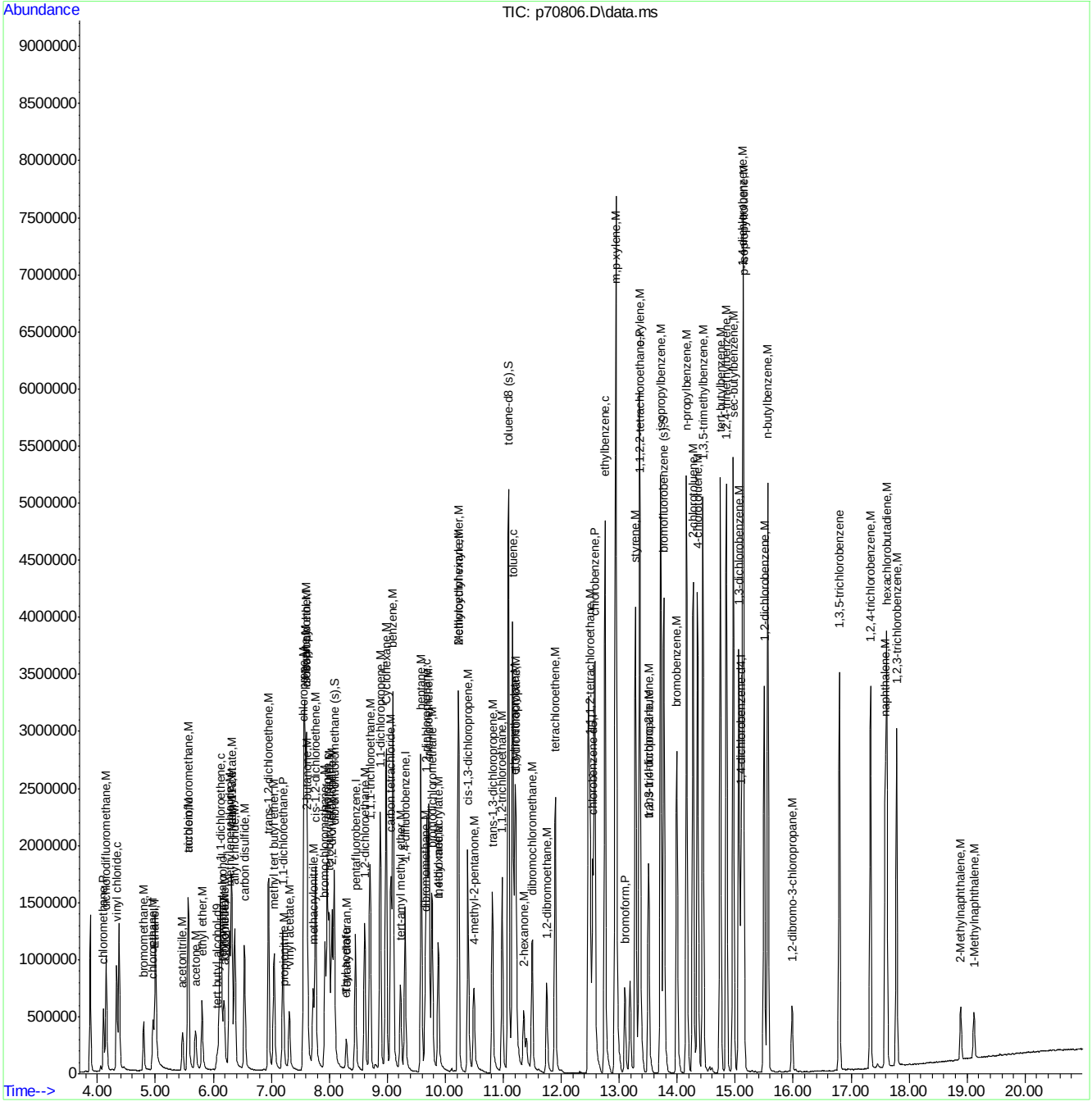
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.065	146	1537504	71.96	ug/L	99
94) p-isopropyltoluene	15.145	119	2907253	71.44	ug/L	99
95) 1,4-dichlorobenzene	15.132	146	1468268	69.66	ug/L	99
96) 1,2-dichlorobenzene	15.502	146	1458185	73.55	ug/L	100
97) n-butylbenzene	15.563	91	3185344	80.05	ug/L	99
98) 1,2-dibromo-3-chloropr...	15.981	75	162914	86.58	ug/L	99
99) 1,3,5-trichlorobenzene	16.796	180	1145201	79.10	ug/L	98
100) 1,2,4-trichlorobenzene	17.335	180	1065498	96.13	ug/L	100
101) hexachlorobutadiene	17.618	225	803579	76.22	ug/L	97
102) naphthalene	17.591	128	1840827	120.70	ug/L	100
103) 1,2,3-trichlorobenzene	17.786	180	959041	102.65	ug/L	98
104) 2-Methylnaphthalene	18.891	142	246957	34.21	ug/L	98
105) 1-Methylnaphthalene	19.120	142	215989	31.87	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70806.D
Acq On : 5 Aug 2013 4:49 pm
Operator : krystend
Sample : IC2318-100
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 08:55:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:21 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70807.D
Acq On : 5 Aug 2013 5:17 pm
Operator : krystend
Sample : IC2318-200
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 08:56:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.065	65	302353	500.00	ug/L	-0.01
4) pentafluorobenzene	8.449	168	815411	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.305	114	1143608	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	697965	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	586462	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	1597585	134.57	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 269.14%#			
60) toluene-d8 (s)	11.090	98	6029278	130.39	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 260.78%#			
82) bromofluorobenzene (s)	13.771	95	2541998	116.37	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 232.74%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.146	59	1334290	1627.35	ug/L #	55
3) Ethanol	4.974	45	1785699	16740.24	ug/L	99
5) dichlorodifluoromethane	4.152	85	1412780	177.08	ug/L	100
6) chloromethane	4.105	50	1590094	202.04	ug/L	100
7) vinyl chloride	4.334	62	1807612	159.05	ug/L	100
8) bromomethane	4.798	96	739309	240.55	ug/L	100
9) chloroethane	4.953	64	752418	165.60	ug/L	99
10) ethyl ether	5.802	59	1017270	183.73	ug/L	99
11) acetonitrile	5.465	41	283567	58.82	ug/L	100
12) trichlorofluoromethane	5.566	101	2893848	160.61	ug/L	99
13) freon-113	6.314	101	1326421	162.58	ug/L	99
14) acrolein	5.560	56	454597	752.92	ug/L	98
15) 1,1-dichloroethene	6.125	96	1042580	163.19	ug/L	98
16) acetone	5.694	58	175119	113.89	ug/L	88
17) Methyl Acetate	6.314	43	1519513	164.53	ug/L	99
18) methylene chloride	6.274	84	1305717	151.16	ug/L	95
19) methyl tert butyl ether	7.048	73	2990560	197.16	ug/L	99
20) acrylonitrile	6.186	53	416993	164.69	ug/L	99
21) allyl chloride	6.368	41	1556567	145.51	ug/L	100
22) trans-1,2-dichloroethene	6.947	96	1518591	177.15	ug/L	97
23) iodomethane	6.179	142	1104034	242.63	ug/L	100
24) carbon disulfide	6.536	76	4414266	248.15	ug/L	100
25) propionitrile	7.217	54	232228	207.01	ug/L	100
26) vinyl acetate	7.304	43	2498620	206.88	ug/L	99
27) chloroprene	7.560	53	3198030	180.36	ug/L	99
28) di-isopropyl ether	7.607	45	5970642	174.07	ug/L	93
29) methacrylonitrile	7.715	41	1111332	200.21	ug/L	97
30) 2-butanone	7.614	72	244183	236.59	ug/L	99
31) Hexane	7.580	41	3269428	164.67	ug/L	97
32) 1,1-dichloroethane	7.197	63	3045183	173.42	ug/L	99
33) tert-butyl ethyl ether	7.998	59	2504435	227.30	ug/L	100
34) isobutyl alcohol	7.607	43	5597936	870.09	ug/L	99
35) 2,2-dichloropropane	8.045	77	2504754	322.61	ug/L	99
36) cis-1,2-dichloroethene	7.762	96	1752259	180.79	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70807.D
Acq On : 5 Aug 2013 5:17 pm
Operator : krystend
Sample : IC2318-200
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 08:56:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.288	43	122399	136.25	ug/L		83
38) bromochloromethane	7.924	128	616156	173.41	ug/L		97
39) chloroform	7.964	83	3336220	175.47	ug/L		99
41) Tetrahydrofuran	8.288	42	529465	185.17	ug/L		97
42) 1,1,1-trichloroethane	8.699	97	3138244	185.19	ug/L		100
44) Cyclohexane	8.982	56	3308427	170.25	ug/L		98
45) carbon tetrachloride	9.062	117	2653982	190.71	ug/L		98
46) 1,1-dichloropropene	8.881	75	2686207	172.83	ug/L		99
47) benzene	9.096	78	6852316	151.48	ug/L		99
48) 1,2-dichloroethane	8.611	62	3024671	174.06	ug/L		99
49) tert-amyl methyl ether	9.224	73	1831185	206.90	ug/L		98
50) heptane	9.581	43	3148354	171.48	ug/L		99
51) trichloroethene	9.716	95	2049764	171.56	ug/L		98
52) 1,2-dichloropropane	9.682	63	1891026	176.05	ug/L		100
53) dibromomethane	9.655	93	993853	183.11	ug/L		95
54) bromodichloromethane	9.770	83	2820786	208.02	ug/L		99
55) Methylcyclohexane	10.228	83	3185528	178.44	ug/L		96
56) 2-chloroethyl vinyl ether	10.228	63	36622	139.40	ug/L	#	90
57) methyl methacrylate	9.878	69	1143130	206.96	ug/L		99
58) 1,4-dioxane	9.871	88	81700	982.42	ug/L		81
59) cis-1,3-dichloropropene	10.390	75	3198858	211.17	ug/L		100
61) 4-methyl-2-pentanone	10.491	43	1824035	192.32	ug/L		96
62) toluene	11.158	92	4386564	178.36	ug/L		98
63) trans-1,3-dichloropropene	10.814	75	2764016	224.46	ug/L		100
64) 1,1,2-trichloroethane	10.982	83	1353671	189.56	ug/L		99
65) ethyl methacrylate	11.191	69	2152941	208.97	ug/L		83
67) tetrachloroethene	11.899	166	1802739	167.32	ug/L		99
68) 1,3-dichloropropane	11.218	76	2677341	176.15	ug/L		99
69) dibromochloromethane	11.501	129	1837271	229.88	ug/L		100
70) 1,2-dibromoethane	11.750	107	1656979	192.84	ug/L		100
71) 2-hexanone	11.346	43	1399434	184.96	ug/L		98
72) chlorobenzene	12.579	112	4880642	176.63	ug/L		99
73) 1,1,1,2-tetrachloroethane	12.498	131	1745860	192.93	ug/L		96
74) ethylbenzene	12.754	91	9193653	175.83	ug/L		100
75) m,p-xylene	12.943	106	6658822	345.12	ug/L		99
76) o-xylene	13.354	106	3352782	176.30	ug/L		98
77) styrene	13.279	104	5317344	193.09	ug/L		100
78) bromoform	13.098	173	1168075	267.68	ug/L		96
79) trans-1,4-dichloro-2-b...	13.509	53	464044	293.19	ug/L		91
81) isopropylbenzene	13.717	105	9591322	157.93	ug/L		99
83) bromobenzene	13.994	156	2114373	170.04	ug/L		99
84) 1,1,2,2-tetrachloroethane	13.360	83	2061582	169.34	ug/L		97
85) 1,2,3-trichloropropane	13.509	75	2297976	187.70	ug/L		100
86) n-propylbenzene	14.162	91	11186869	162.77	ug/L		100
87) 2-chlorotoluene	14.276	91	6975939	162.77	ug/L		100
88) 4-chlorotoluene	14.351	91	7127067	167.25	ug/L		100
89) 1,3,5-trimethylbenzene	14.438	105	8250515	166.12	ug/L		100
90) tert-butylbenzene	14.741	91	5265978	159.70	ug/L		99
91) 1,2,4-trimethylbenzene	14.849	105	8118468	170.88	ug/L		99
92) sec-butylbenzene	14.970	105	10602067	168.46	ug/L		99

ACCUTEST LABORATORIES MC23456

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70807.D
Acq On : 5 Aug 2013 5:17 pm
Operator : krystend
Sample : IC2318-200
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 08:56:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:49 2013
Response via : Initial Calibration

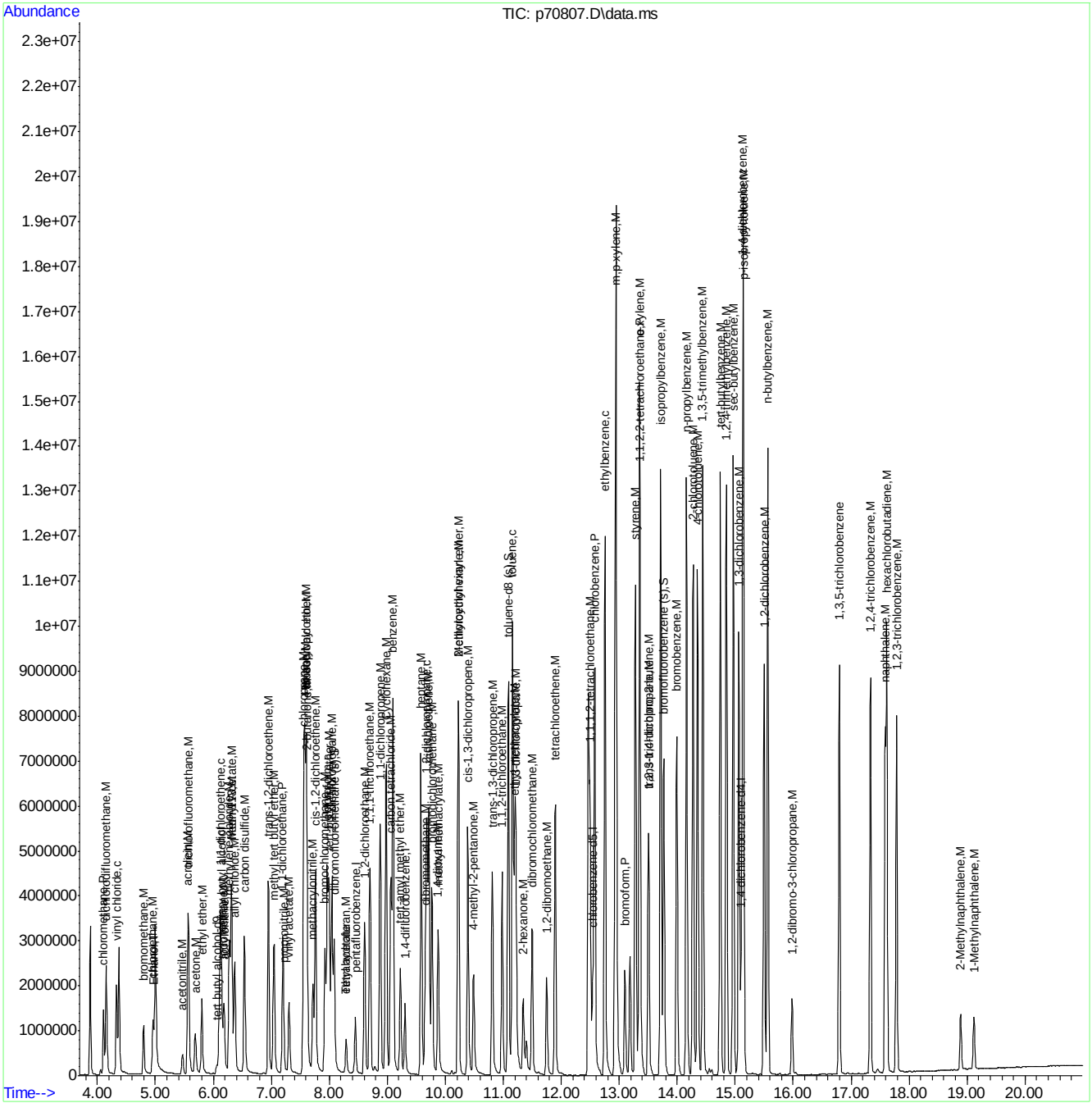
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.065	146	4060144	175.61	ug/L	99
94) p-isopropyltoluene	15.145	119	7446530	169.30	ug/L	98
95) 1,4-dichlorobenzene	15.132	146	3760447	165.70	ug/L	99
96) 1,2-dichlorobenzene	15.502	146	3890761	180.76	ug/L	99
97) n-butylbenzene	15.563	91	8403483	191.89	ug/L	99
98) 1,2-dibromo-3-chloropr...	15.981	75	484996	231.06	ug/L	93
99) 1,3,5-trichlorobenzene	16.796	180	3001071	188.72	ug/L	100
100) 1,2,4-trichlorobenzene	17.335	180	2868256	227.50	ug/L	98
101) hexachlorobutadiene	17.618	225	2138202	185.75	ug/L	98
102) naphthalene	17.591	128	5439215	298.74	ug/L	100
103) 1,2,3-trichlorobenzene	17.786	180	2614613	242.84	ug/L	97
104) 2-Methylnaphthalene	18.891	142	658255	84.91	ug/L	98
105) 1-Methylnaphthalene	19.120	142	630549	87.50	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70807.D
Acq On : 5 Aug 2013 5:17 pm
Operator : krystend
Sample : IC2318-200
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 08:56:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:49 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70808.D
Acq On : 5 Aug 2013 5:45 pm
Operator : krystend
Sample : IC2318-400
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 08:56:31 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:56:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.058	65	333186	500.00	ug/L		-0.02
4) pentafluorobenzene	8.449	168	916859	50.00	ug/L		0.00
43) 1,4-difluorobenzene	9.305	114	1287297	50.00	ug/L		0.00
66) chlorobenzene-d5	12.538	82	742844	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.105	152	619568	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.086	113	3688536	283.84	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 567.68%#				
60) toluene-d8 (s)	11.090	98	13752356	272.62	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 545.24%#				
82) bromofluorobenzene (s)	13.771	95	5745153	260.80	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 521.60%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.139	59	2789417	3186.19	ug/L	#	55
3) Ethanol	4.974	45	3603603	31512.18	ug/L		100
5) dichlorodifluoromethane	4.152	85	2870028	326.16	ug/L		100
6) chloromethane	4.105	50	3516717	396.73	ug/L		99
7) vinyl chloride	4.327	62	3498021	283.40	ug/L		98
8) bromomethane	4.798	96	1660554	464.81	ug/L		99
9) chloroethane	4.953	64	1573837	317.16	ug/L		99
10) ethyl ether	5.802	59	2134203	347.52	ug/L		94
11) acetonitrile	5.465	41	369426	77.24	ug/L		95
12) trichlorofluoromethane	5.566	101	5881673	300.17	ug/L		99
13) freon-113	6.314	101	3113431	350.32	ug/L		100
14) acrolein	5.560	56	976242	1499.75	ug/L		99
15) 1,1-dichloroethene	6.125	96	2225832	319.65	ug/L		96
16) acetone	5.688	58	352388	219.58	ug/L	#	86
17) Methyl Acetate	6.307	43	3763348	373.44	ug/L		99
18) methylene chloride	6.274	84	2906932	311.99	ug/L		94
19) methyl tert butyl ether	7.042	73	6679225	392.56	ug/L		99
20) acrylonitrile	6.186	53	892518	323.00	ug/L		100
21) allyl chloride	6.368	41	3934314	342.65	ug/L		98
22) trans-1,2-dichloroethene	6.947	96	3263892	345.19	ug/L		99
23) iodomethane	6.179	142	2425169	457.74	ug/L		97
24) carbon disulfide	6.536	76	10035308	482.36	ug/L		99
25) propionitrile	7.210	54	488758	385.23	ug/L		100
26) vinyl acetate	7.304	43	5498694	402.59	ug/L		98
27) chloroprene	7.554	53	6519466	332.43	ug/L		98
28) di-isopropyl ether	7.607	45	11873626	314.66	ug/L		91
29) methacrylonitrile	7.715	41	2282409	365.62	ug/L		96
30) 2-butanone	7.607	72	487163	407.37	ug/L	#	72
31) Hexane	7.580	41	6443477	297.38	ug/L		99
32) 1,1-dichloroethane	7.197	63	6266564	324.57	ug/L		100
33) tert-butyl ethyl ether	7.998	59	5834435	460.46	ug/L		99
34) isobutyl alcohol	7.607	43	11071886	1564.36	ug/L		97
35) 2,2-dichloropropane	8.045	77	5596455	581.63	ug/L		97
36) cis-1,2-dichloroethene	7.762	96	3659974	341.31	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70808.D
Acq On : 5 Aug 2013 5:45 pm
Operator : krystend
Sample : IC2318-400
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 08:56:31 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:56:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.288	43	255591	270.26	ug/L		76
38) bromochloromethane	7.924	128	1219991	312.28	ug/L		98
39) chloroform	7.964	83	6791556	324.31	ug/L		100
41) Tetrahydrofuran	8.288	42	1137784	358.31	ug/L		96
42) 1,1,1-trichloroethane	8.699	97	6477943	344.22	ug/L		99
44) Cyclohexane	8.982	56	6912066	324.02	ug/L		96
45) carbon tetrachloride	9.062	117	5462527	351.43	ug/L		99
46) 1,1-dichloropropene	8.881	75	5604003	327.74	ug/L		98
47) benzene	9.096	78	14192540	288.73	ug/L		100
48) 1,2-dichloroethane	8.611	62	6066903	317.02	ug/L		98
49) tert-amyl methyl ether	9.224	73	4212185	420.38	ug/L		97
50) heptane	9.581	43	6295346	312.03	ug/L		97
51) trichloroethene	9.716	95	4194267	318.33	ug/L		98
52) 1,2-dichloropropane	9.682	63	3870079	326.60	ug/L		100
53) dibromomethane	9.655	93	2038719	338.46	ug/L		95
54) bromodichloromethane	9.770	83	5798286	377.35	ug/L		99
55) Methylcyclohexane	10.228	83	6637798	336.37	ug/L		94
56) 2-chloroethyl vinyl ether	10.228	63	73388	264.18	ug/L	#	92
57) methyl methacrylate	9.878	69	2422195	387.33	ug/L		98
58) 1,4-dioxane	9.871	88	172748	1851.90	ug/L		85
59) cis-1,3-dichloropropene	10.390	75	6626352	385.02	ug/L		98
61) 4-methyl-2-pentanone	10.484	43	3859111	363.80	ug/L		95
62) toluene	11.158	92	9006522	331.30	ug/L		97
63) trans-1,3-dichloropropene	10.807	75	5808130	410.64	ug/L		99
64) 1,1,2-trichloroethane	10.982	83	2719963	341.34	ug/L		99
65) ethyl methacrylate	11.191	69	4460847	381.80	ug/L		80
67) tetrachloroethene	11.899	166	3644298	325.40	ug/L		98
68) 1,3-dichloropropane	11.218	76	5388242	339.84	ug/L		100
69) dibromochloromethane	11.494	129	3838516	440.30	ug/L		100
70) 1,2-dibromoethane	11.750	107	3401093	374.14	ug/L		100
71) 2-hexanone	11.339	43	2943735	370.20	ug/L		97
72) chlorobenzene	12.579	112	9921301	344.05	ug/L		100
73) 1,1,1,2-tetrachloroethane	12.498	131	3557760	371.59	ug/L		97
74) ethylbenzene	12.754	91	17340446	318.01	ug/L		87
75) m,p-xylene	12.943	106	13225188	659.11	ug/L	#	48
76) o-xylene	13.354	106	6690300	337.20	ug/L		96
77) styrene	13.279	104	10787904	370.21	ug/L		98
78) bromoform	13.098	173	2546661	519.07	ug/L		96
79) trans-1,4-dichloro-2-b...	13.509	53	1050513	578.68	ug/L	#	80
81) isopropylbenzene	13.711	105	17372308	280.61	ug/L		92
83) bromobenzene	13.994	156	4239461	330.98	ug/L		99
84) 1,1,2,2-tetrachloroethane	13.360	83	4165246	332.35	ug/L		97
85) 1,2,3-trichloropropane	13.502	75	4821698	376.65	ug/L		99
86) n-propylbenzene	14.155	91	18422393	261.86	ug/L		87
87) 2-chlorotoluene	14.276	91	13924071	317.38	ug/L		99
88) 4-chlorotoluene	14.351	91	14048886	320.82	ug/L		99
89) 1,3,5-trimethylbenzene	14.438	105	15613128	306.22	ug/L		93
90) tert-butylbenzene	14.741	91	10387035	308.53	ug/L		99
91) 1,2,4-trimethylbenzene	14.849	105	15482779	316.14	ug/L		91
92) sec-butylbenzene	14.964	105	18155009	280.42	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70808.D
Acq On : 5 Aug 2013 5:45 pm
Operator : krystend
Sample : IC2318-400
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 08:56:31 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:56:17 2013
Response via : Initial Calibration

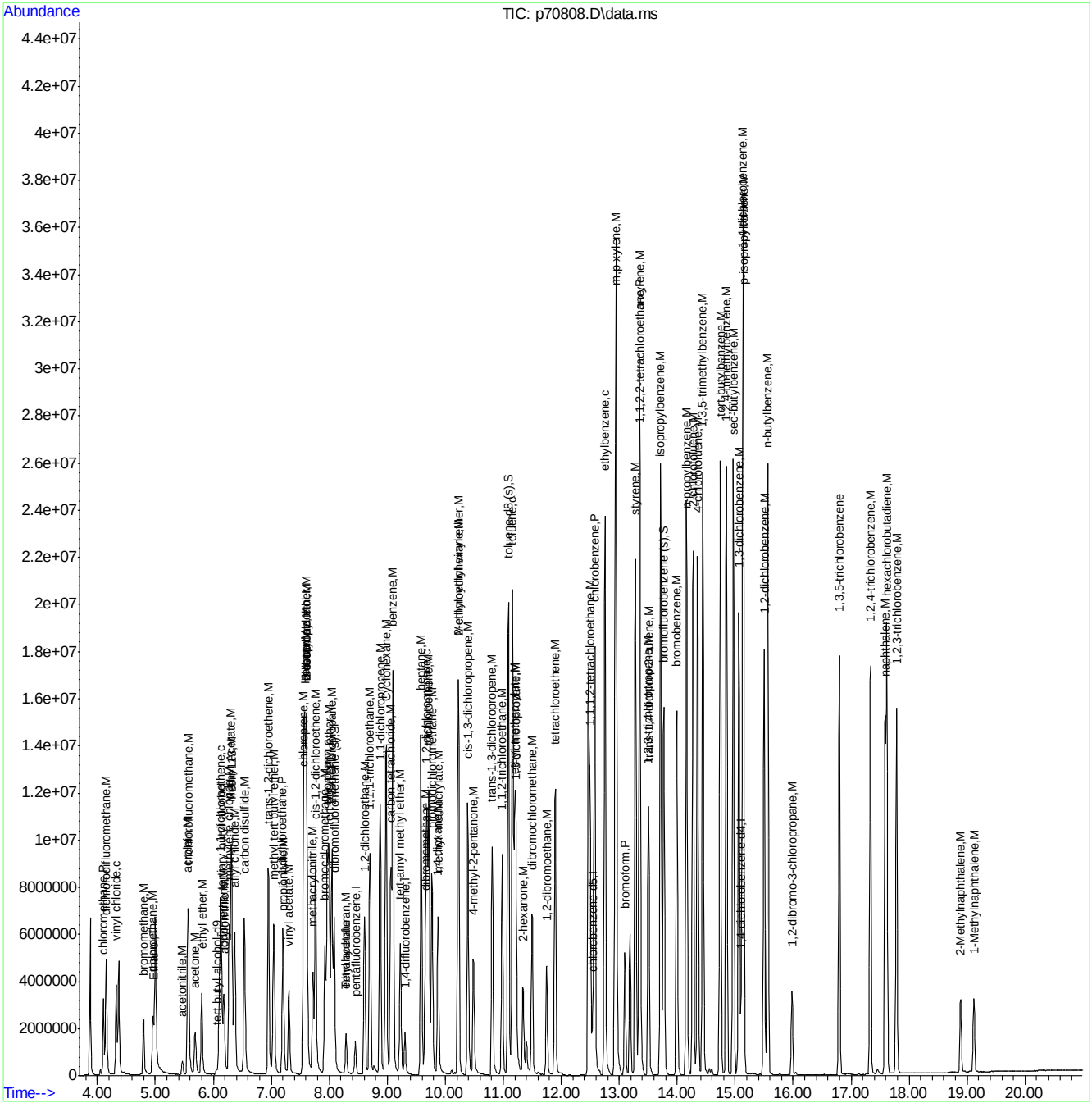
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	8066129	337.08	ug/L	99
94)	p-isopropyltoluene	15.145	119	14353815	317.01	ug/L	100
95)	1,4-dichlorobenzene	15.132	146	7302805	313.55	ug/L	99
96)	1,2-dichlorobenzene	15.502	146	7701227	344.19	ug/L	100
97)	n-butylbenzene	15.556	91	15570759	338.84	ug/L	98
98)	1,2-dibromo-3-chloropr...	15.981	75	1010993	444.41	ug/L	94
99)	1,3,5-trichlorobenzene	16.796	180	5893121	354.11	ug/L	100
100)	1,2,4-trichlorobenzene	17.335	180	5705228	418.74	ug/L	100
101)	hexachlorobutadiene	17.618	225	4171079	347.11	ug/L	99
102)	naphthalene	17.584	128	11211939	538.58	ug/L	100
103)	1,2,3-trichlorobenzene	17.786	180	5241051	444.89	ug/L	99
104)	2-Methylnaphthalene	18.891	142	1693638	212.13	ug/L	100
105)	1-Methylnaphthalene	19.120	142	1682777	225.75	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70808.D
Acq On : 5 Aug 2013 5:45 pm
Operator : krystend
Sample : IC2318-400
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 08:56:31 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:56:17 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70811.D
Acq On : 5 Aug 2013 7:10 pm
Operator : krystend
Sample : ICV2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 12:42:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	267821	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	827987	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	1124893	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	688959	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	508154	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	411821	49.42	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 98.84%#			
60) toluene-d8 (s)	11.090	98	1550946	49.77	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 99.54%#			
82) bromofluorobenzene (s)	13.771	95	599371	46.97	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 93.94%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	329842	551.73	ug/kg	98
3) Ethanol	4.980	45	400658	5125.72	ug/kg	100
5) dichlorodifluoromethane	4.152	85	370175	54.52	ug/kg	99
6) chloromethane	4.104	50	445235	62.74	ug/kg	100
7) vinyl chloride	4.333	62	388209	41.15	ug/kg	97
8) bromomethane	4.798	96	183016	55.67	ug/kg	96
9) chloroethane	4.953	64	213297	55.72	ug/kg	98
10) ethyl ether	5.809	59	256990	53.78	ug/kg	97
11) acetonitrile	5.465	41	168266	50.64	ug/kg	93
12) trichlorofluoromethane	5.566	101	729615	49.03	ug/kg	97
13) freon-113	6.314	101	370165	53.47	ug/kg	99
14) acrolein	5.566	56	204638	465.53	ug/kg	99
15) 1,1-dichloroethene	6.125	96	305312	56.96	ug/kg	98
16) acetone	5.694	58	38759	40.57	ug/kg#	69
17) Methyl Acetate	6.321	43	308987	39.07	ug/kg	99
18) methylene chloride	6.280	84	350566	54.83	ug/kg	93
19) methyl tert butyl ether	7.048	73	733756	54.64	ug/kg	99
20) acrylonitrile	6.193	53	103821	48.78	ug/kg	99
21) allyl chloride	6.368	41	620692	70.03	ug/kg	99
22) trans-1,2-dichloroethene	6.954	96	413473	56.09	ug/kg	99
23) iodomethane	6.179	142	239209	47.83	ug/kg	98
24) carbon disulfide	6.536	76	1159986	59.94	ug/kg	99
25) propionitrile	7.230	54	53037	50.09	ug/kg	100
26) vinyl acetate	7.311	43	448002	41.17	ug/kg	99
27) chloroprene	7.560	53	905644	60.05	ug/kg	98
28) di-isopropyl ether	7.607	45	1537610	53.23	ug/kg	97
29) methacrylonitrile	7.722	41	252812	51.57	ug/kg	96
30) 2-butanone	7.621	72	54050	48.89	ug/kg	95
31) Hexane	7.580	41	872681	52.87	ug/kg	98
32) 1,1-dichloroethane	7.203	63	883993	59.53	ug/kg	99
33) tert-butyl ethyl ether	7.998	59	538710	50.58	ug/kg	99
34) isobutyl alcohol	7.607	43	1431805	265.40	ug/kg	87
35) 2,2-dichloropropane	8.045	77	492748	49.01	ug/kg	98
36) cis-1,2-dichloroethene	7.762	96	449782	53.96	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70811.D
Acq On : 5 Aug 2013 7:10 pm
Operator : krystend
Sample : ICV2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 12:42:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.294	43	32368	53.83	ug/kg#	62
38) bromochloromethane	7.931	128	185561	62.07	ug/kg	94
39) chloroform	7.964	83	927085	57.60	ug/kg	99
41) Tetrahydrofuran	8.294	42	126679	50.48	ug/kg	98
42) 1,1,1-trichloroethane	8.705	97	853077	58.52	ug/kg	100
44) Cyclohexane	8.982	56	832900	52.58	ug/kg	98
45) carbon tetrachloride	9.062	117	702464	60.12	ug/kg	97
46) 1,1-dichloropropene	8.881	75	698175	54.91	ug/kg	98
47) benzene	9.096	78	1802784	56.32	ug/kg	99
48) 1,2-dichloroethane	8.611	62	736338	51.85	ug/kg	100
49) tert-amyl methyl ether	9.231	73	399433	52.00	ug/kg	97
50) heptane	9.581	43	791346	53.04	ug/kg	99
51) trichloroethene	9.716	95	522185	55.11	ug/kg	97
52) 1,2-dichloropropane	9.682	63	477390	54.04	ug/kg	99
53) dibromomethane	9.662	93	268093	59.35	ug/kg	93
54) bromodichloromethane	9.770	83	672600	57.23	ug/kg	99
55) Methylcyclohexane	10.228	83	831081	56.28	ug/kg	96
56) 2-chloroethyl vinyl ether	10.221	63	10050	54.49	ug/kg#	99
57) methyl methacrylate	9.877	69	272694	57.10	ug/kg	95
58) 1,4-dioxane	9.884	88	17676	246.27	ug/kg	80
59) cis-1,3-dichloropropene	10.389	75	714477	54.32	ug/kg	99
61) 4-methyl-2-pentanone	10.497	43	440654	55.23	ug/kg	97
62) toluene	11.164	92	1147642	56.74	ug/kg	99
63) trans-1,3-dichloropropene	10.814	75	617202	51.41	ug/kg	98
64) 1,1,2-trichloroethane	10.982	83	319055	53.35	ug/kg	98
65) ethyl methacrylate	11.198	69	505750	52.64	ug/kg	98
67) tetrachloroethene	11.898	166	502323	55.40	ug/kg	98
68) 1,3-dichloropropane	11.218	76	670723	53.21	ug/kg	99
69) dibromochloromethane	11.501	129	418225	51.76	ug/kg	98
70) 1,2-dibromoethane	11.750	107	395630	53.88	ug/kg	98
71) 2-hexanone	11.360	43	314221	48.99	ug/kg	100
72) chlorobenzene	12.579	112	1172565	51.03	ug/kg	98
73) 1,1,1,2-tetrachloroethane	12.498	131	422698	54.79	ug/kg	95
74) ethylbenzene	12.754	91	2284547	53.13	ug/kg	99
75) m,p-xylene	12.943	106	1679672	105.93	ug/kg	97
76) o-xylene	13.353	106	816367	51.89	ug/kg	99
77) styrene	13.279	104	1279075	54.43	ug/kg	100
78) bromoform	13.098	173	249001	51.26	ug/kg	97
79) trans-1,4-dichloro-2-b...	13.508	53	85379	46.77	ug/kg#	56
81) isopropylbenzene	13.717	105	2286617	53.96	ug/kg	99
83) bromobenzene	13.993	156	494380	55.12	ug/kg	98
84) 1,1,2,2-tetrachloroethane	13.360	83	491114	55.99	ug/kg	98
85) 1,2,3-trichloropropane	13.508	75	500475	54.75	ug/kg	99
86) n-propylbenzene	14.162	91	2525086	52.81	ug/kg	100
87) 2-chlorotoluene	14.276	91	1541954	50.48	ug/kg	98
88) 4-chlorotoluene	14.350	91	1603387	52.41	ug/kg	99
89) 1,3,5-trimethylbenzene	14.438	105	1864901	52.77	ug/kg	99
90) tert-butylbenzene	14.741	91	1194937	51.14	ug/kg	98
91) 1,2,4-trimethylbenzene	14.849	105	1805652	52.97	ug/kg	100
92) sec-butylbenzene	14.970	105	2393272	53.96	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70811.D
Acq On : 5 Aug 2013 7:10 pm
Operator : krystend
Sample : ICV2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 12:42:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

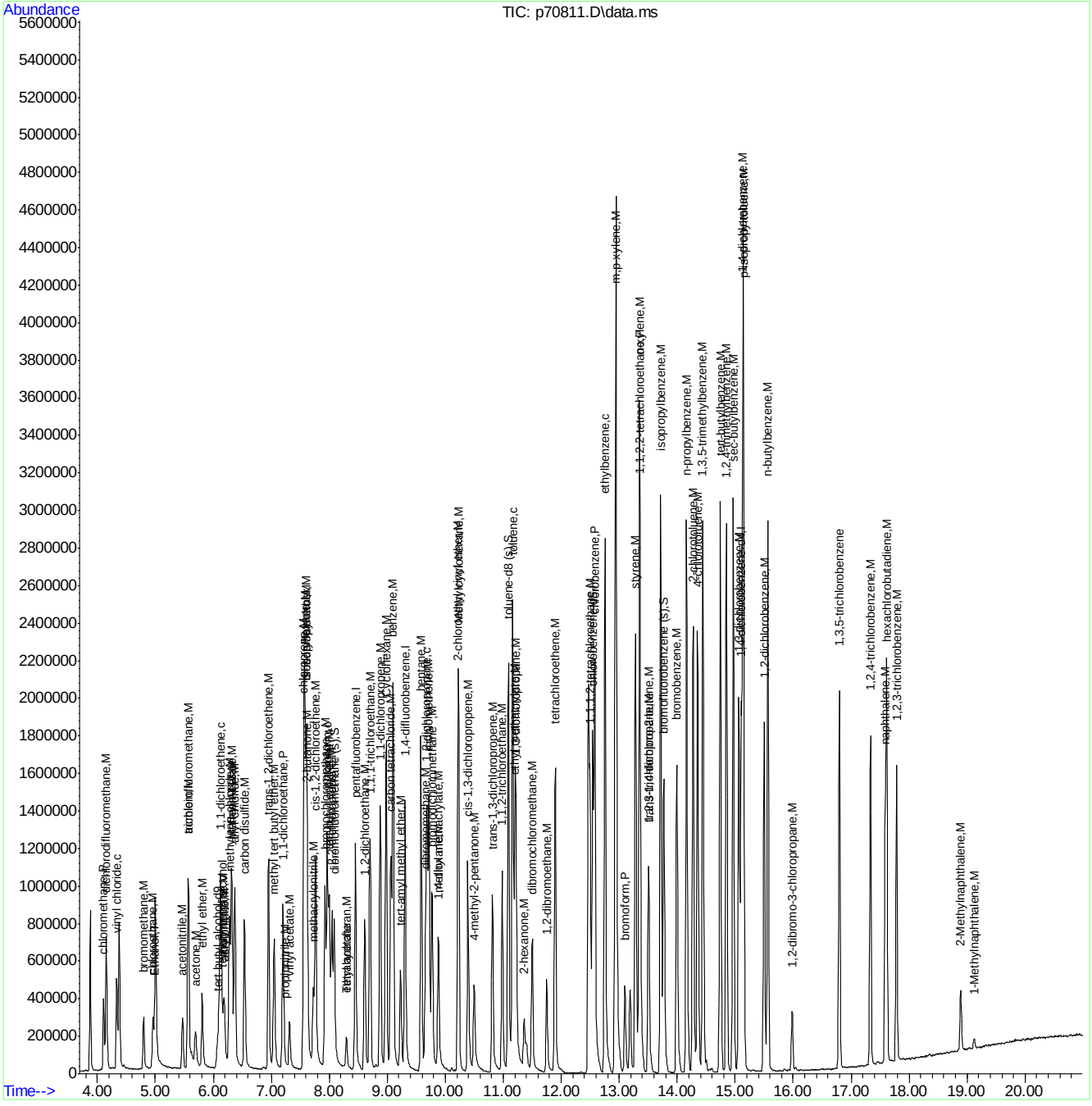
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	853604	50.73	ug/kg	99
94)	p-isopropyltoluene	15.145	119	1795147	57.05	ug/kg	98
95)	1,4-dichlorobenzene	15.132	146	869045	53.62	ug/kg	98
96)	1,2-dichlorobenzene	15.502	146	810352	51.31	ug/kg	97
97)	n-butylbenzene	15.563	91	1788357	55.58	ug/kg	99
98)	1,2-dibromo-3-chloropr...	15.981	75	87853	48.19	ug/kg	98
99)	1,3,5-trichlorobenzene	16.796	180	667763	56.66	ug/kg	100
100)	1,2,4-trichlorobenzene	17.335	180	570402	50.34	ug/kg	100
101)	hexachlorobutadiene	17.618	225	449194	52.56	ug/kg	99
102)	naphthalene	17.591	128	998271	50.39	ug/kg	100
103)	1,2,3-trichlorobenzene	17.786	180	512045	50.51	ug/kg	99
104)	2-Methylnaphthalene	18.891	142	168896	29.10	ug/kg	100
105)	1-Methylnaphthalene	19.120	142	28086	5.34	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70811.D
Acq On : 5 Aug 2013 7:10 pm
Operator : krystend
Sample : ICV2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 12:42:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23456

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/20/13 11:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130816\
Data File : p71078.D
Acq On : 16 Aug 2013 11:08 am
Operator : krystend
Sample : cc2318-50
Misc : ms29669,msp2328,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 16 11:33:47 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.071	65	443408	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	760886	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	982920	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	691241	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	431387	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	367339	47.97	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 95.94%#			
60) toluene-d8 (s)	11.090	98	1331033	48.88	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 97.76%#			
82) bromofluorobenzene (s)	13.771	95	554877	51.22	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 102.44%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	471325	476.19	ug/kg	98
3) Ethanol	4.987	45	385892	2825.67	ug/kg	98
5) dichlorodifluoromethane	4.152	85	383540	61.47	ug/kg	98
6) chloromethane	4.104	50	277432	42.54	ug/kg	100
7) vinyl chloride	4.333	62	470631	54.28	ug/kg	96
8) bromomethane	4.798	96	189184	61.68	ug/kg	96
9) chloroethane	4.953	64	189099	53.76	ug/kg	94
10) ethyl ether	5.809	59	240582	54.79	ug/kg	77
11) acetonitrile	5.472	41	152843	50.06	ug/kg	95
12) trichlorofluoromethane	5.566	101	907719	66.37	ug/kg	100
13) freon-113	6.314	101	375896	59.08	ug/kg	96
14) acrolein	5.573	56	88327	220.26	ug/kg	98
15) 1,1-dichloroethene	6.125	96	293258m	59.53	ug/kg	
16) acetone	5.701	58	32723	36.59	ug/kg	89
17) Methyl Acetate	6.321	43	315972	43.48	ug/kg#	87
18) methylene chloride	6.280	84	373737	63.38	ug/kg#	80
19) methyl tert butyl ether	7.048	73	914238	74.08	ug/kg	87
20) acrylonitrile	6.199	53	94622	48.38	ug/kg	96
21) allyl chloride	6.368	41	419815	51.54	ug/kg	80
22) trans-1,2-dichloroethene	6.954	96	339175	50.07	ug/kg	94
23) iodomethane	6.186	142	286187	60.84	ug/kg	89
24) carbon disulfide	6.536	76	1003970	57.00	ug/kg	100
25) propionitrile	7.230	54	35789	37.49	ug/kg	100
26) vinyl acetate	7.311	43	360733	36.07	ug/kg	90
27) chloroprene	7.560	53	650160	46.91	ug/kg	99
28) di-isopropyl ether	7.607	45	919466	34.64	ug/kg	86
29) methacrylonitrile	7.729	41	191862	42.59	ug/kg	75
30) 2-butanone	7.621	72	52464	51.60	ug/kg#	42
31) Hexane	7.580	41	629349	41.49	ug/kg	91
32) 1,1-dichloroethane	7.203	63	652156	47.79	ug/kg	98
33) tert-butyl ethyl ether	7.998	59	518962	52.53	ug/kg	91
34) isobutyl alcohol	7.607	43	946709	190.95	ug/kg	80
35) 2,2-dichloropropane	8.045	77	474800	50.86	ug/kg	93
36) cis-1,2-dichloroethene	7.762	96	364306	47.56	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130816\
Data File : p71078.D
Acq On : 16 Aug 2013 11:08 am
Operator : krystend
Sample : cc2318-50
Misc : ms29669,msp2328,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 16 11:33:47 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.288	43	22261	39.74	ug/kg#	62
38) bromochloromethane	7.924	128	119824	43.62	ug/kg#	87
39) chloroform	7.964	83	843677	57.04	ug/kg	99
41) Tetrahydrofuran	8.294	42	77934	33.79	ug/kg	66
42) 1,1,1-trichloroethane	8.699	97	839512	62.67	ug/kg	97
44) Cyclohexane	8.982	56	504098	36.42	ug/kg#	69
45) carbon tetrachloride	9.062	117	682083	66.80	ug/kg	97
46) 1,1-dichloropropene	8.880	75	620904	55.88	ug/kg	95
47) benzene	9.096	78	1481987	52.91	ug/kg	99
48) 1,2-dichloroethane	8.611	62	759013	61.16	ug/kg	99
49) tert-amyl methyl ether	9.231	73	505334	71.25	ug/kg	90
50) heptane	9.581	43	437657	33.57	ug/kg	77
51) trichloroethene	9.716	95	431272	52.03	ug/kg	83
52) 1,2-dichloropropane	9.682	63	355148	46.01	ug/kg	100
53) dibromomethane	9.655	93	241018	61.06	ug/kg	96
54) bromodichloromethane	9.770	83	669872	65.24	ug/kg	96
55) Methylcyclohexane	10.228	83	644766	49.97	ug/kg#	85
56) 2-chloroethyl vinyl ether	10.221	63	11121	71.24	ug/kg#	99
57) methyl methacrylate	9.877	69	257384	61.68	ug/kg	81
58) 1,4-dioxane	9.877	88	20547	322.46	ug/kg	94
59) cis-1,3-dichloropropene	10.389	75	677829	58.98	ug/kg	93
61) 4-methyl-2-pentanone	10.497	43	333086	47.78	ug/kg	96
62) toluene	11.164	92	924187	52.29	ug/kg	99
63) trans-1,3-dichloropropene	10.814	75	602606	57.02	ug/kg	90
64) 1,1,2-trichloroethane	10.982	83	288363	55.18	ug/kg	95
65) ethyl methacrylate	11.198	69	490395	58.25	ug/kg	81
67) tetrachloroethene	11.898	166	355874	39.12	ug/kg	94
68) 1,3-dichloropropane	11.218	76	619631	48.99	ug/kg	97
69) dibromochloromethane	11.494	129	364645	45.68	ug/kg	97
70) 1,2-dibromoethane	11.750	107	316078	42.90	ug/kg	96
71) 2-hexanone	11.360	43	228265	35.47	ug/kg	98
72) chlorobenzene	12.579	112	914881	39.68	ug/kg	90
73) 1,1,1,2-tetrachloroethane	12.498	131	348429	45.01	ug/kg	95
74) ethylbenzene	12.754	91	1903069	44.11	ug/kg	93
75) m,p-xylene	12.943	106	1244556	78.23	ug/kg#	78
76) o-xylene	13.353	106	630698	39.95	ug/kg#	80
77) styrene	13.279	104	895023	37.96	ug/kg	79
78) bromoform	13.097	173	236742	49.08	ug/kg	94
79) trans-1,4-dichloro-2-b...	13.508	53	100910	52.93	ug/kg#	75
81) isopropylbenzene	13.717	105	1864175	51.82	ug/kg	93
83) bromobenzene	13.993	156	351759	46.20	ug/kg#	84
84) 1,1,2,2-tetrachloroethane	13.360	83	446402	59.95	ug/kg	95
85) 1,2,3-trichloropropane	13.508	75	542239	69.88	ug/kg	98
86) n-propylbenzene	14.162	91	2192605	54.01	ug/kg	92
87) 2-chlorotoluene	14.276	91	1403164	54.12	ug/kg	88
88) 4-chlorotoluene	14.350	91	1422766	54.79	ug/kg	86
89) 1,3,5-trimethylbenzene	14.438	105	1590612	53.02	ug/kg	90
90) tert-butylbenzene	14.741	91	1180148	59.49	ug/kg	77
91) 1,2,4-trimethylbenzene	14.849	105	1546901	53.46	ug/kg	91
92) sec-butylbenzene	14.963	105	1930458	51.27	ug/kg	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130816\
Data File : p71078.D
Acq On : 16 Aug 2013 11:08 am
Operator : krystend
Sample : cc2318-50
Misc : ms29669,msp2328,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 16 11:33:47 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

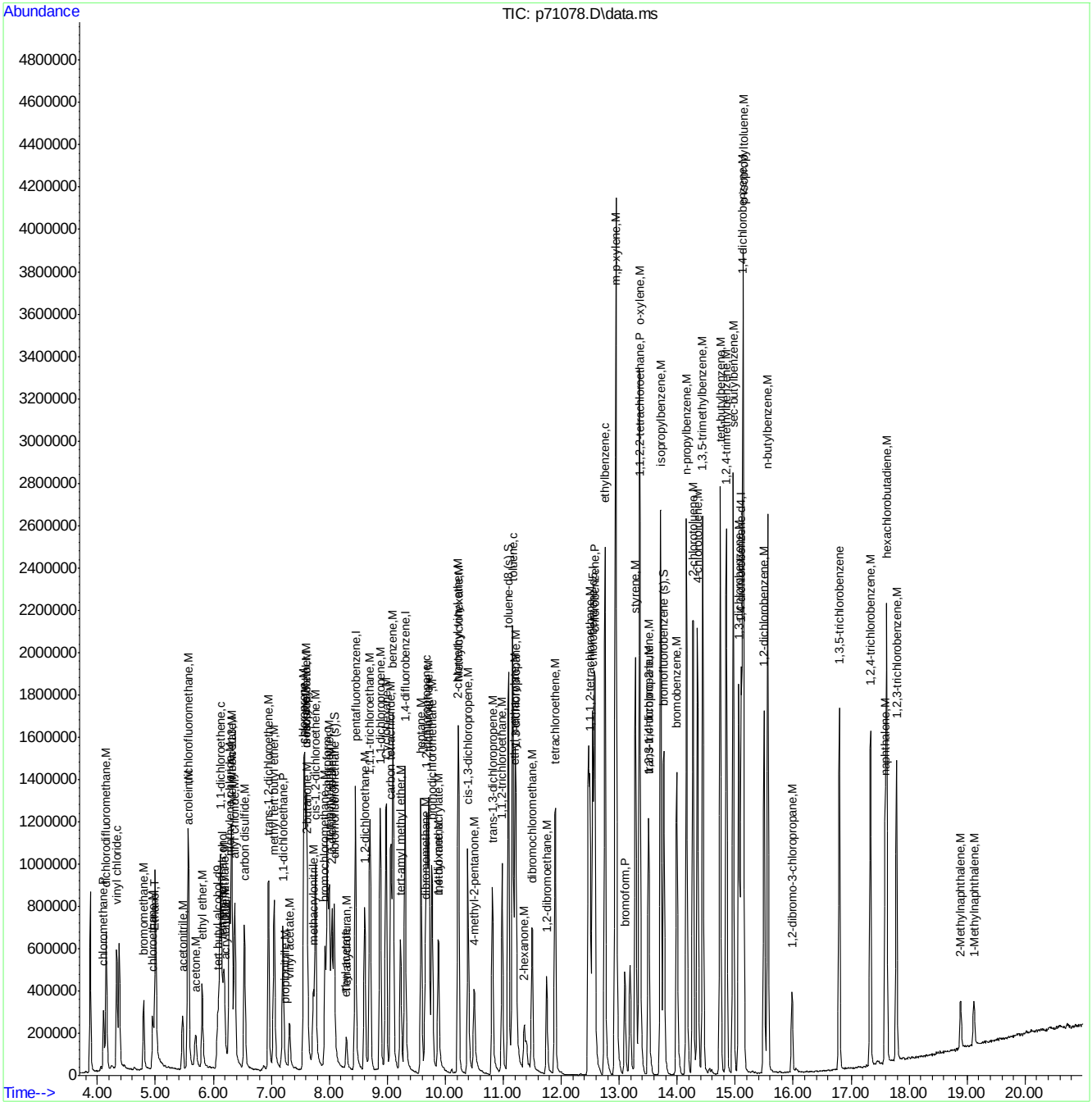
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	657927	46.06	ug/kg	94
94)	p-isopropyltoluene	15.139	119	1311488	49.10	ug/kg	89
95)	1,4-dichlorobenzene	15.132	146	652024	47.39	ug/kg	96
96)	1,2-dichlorobenzene	15.496	146	628022	46.84	ug/kg	94
97)	n-butylbenzene	15.563	91	1590536	58.23	ug/kg	91
98)	1,2-dibromo-3-chloropr...	15.981	75	128397	78.36	ug/kg	79
99)	1,3,5-trichlorobenzene	16.796	180	504671	50.44	ug/kg	99
100)	1,2,4-trichlorobenzene	17.335	180	462738	48.21	ug/kg	99
101)	hexachlorobutadiene	17.611	225	440669	60.74	ug/kg	92
102)	naphthalene	17.584	128	751965	45.60	ug/kg	100
103)	1,2,3-trichlorobenzene	17.786	180	441149	51.20	ug/kg	98
104)	2-Methylnaphthalene	18.891	142	111495	22.63	ug/kg	99
105)	1-Methylnaphthalene	19.120	142	101204	22.65	ug/kg	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130816\
Data File : p71078.D
Acq On : 16 Aug 2013 11:08 am
Operator : krystend
Sample : cc2318-50
Misc : ms29669,msp2328,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 16 11:33:47 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130820\
Data File : p71141.D
Acq On : 20 Aug 2013 9:28 am
Operator : krystend
Sample : cc2318-50
Misc : ms29696,msp2330,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 10:01:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.071	65	351595	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	652717	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	850964	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	536100	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	473988	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	340861	51.89	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 103.78%#			
60) toluene-d8 (s)	11.090	98	1042663	44.23	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 88.46%#			
82) bromofluorobenzene (s)	13.771	95	463853	38.97	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 77.94%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	410518	523.06	ug/kg	99
3) Ethanol	4.987	45	348883	3274.13	ug/kg	94
5) dichlorodifluoromethane	4.152	85	289487	54.08	ug/kg	97
6) chloromethane	4.104	50	224584	40.15	ug/kg	98
7) vinyl chloride	4.333	62	383510	51.56	ug/kg	93
8) bromomethane	4.798	96	141432	54.73	ug/kg	96
9) chloroethane	4.953	64	140943	46.71	ug/kg	93
10) ethyl ether	5.809	59	177554	47.14	ug/kg	90
11) acetonitrile	5.465	41	147875	56.46	ug/kg	96
12) trichlorofluoromethane	5.566	101	779416	66.43	ug/kg	99
13) freon-113	6.314	101	298136	54.63	ug/kg	94
14) acrolein	5.573	56	73085	212.56	ug/kg	98
15) 1,1-dichloroethene	6.125	96	209236	49.51	ug/kg	84
16) acetone	5.701	58	26220	33.63	ug/kg#	54
17) Methyl Acetate	6.321	43	325771	52.25	ug/kg	97
18) methylene chloride	6.274	84	270966	53.79	ug/kg	96
19) methyl tert butyl ether	7.048	73	597160	56.40	ug/kg	94
20) acrylonitrile	6.193	53	79131	47.16	ug/kg	97
21) allyl chloride	6.368	41	430846	61.66	ug/kg	96
22) trans-1,2-dichloroethene	6.954	96	261283	44.97	ug/kg	93
23) iodomethane	6.186	142	243641	60.42	ug/kg	84
24) carbon disulfide	6.536	76	781717	52.62	ug/kg	100
25) propionitrile	7.230	54	38028	45.80	ug/kg	100
26) vinyl acetate	7.311	43	409687	47.75	ug/kg	100
27) chloroprene	7.560	53	579988	48.78	ug/kg	91
28) di-isopropyl ether	7.607	45	1015387	44.59	ug/kg	98
29) methacrylonitrile	7.722	41	216952	56.14	ug/kg	94
30) 2-butanone	7.614	72	31962	36.89	ug/kg#	1
31) Hexane	7.580	41	634458	48.76	ug/kg#	81
32) 1,1-dichloroethane	7.203	63	547340	46.75	ug/kg	98
33) tert-butyl ethyl ether	7.998	59	395726	47.82	ug/kg	97
34) isobutyl alcohol	7.607	43	1000330	235.21	ug/kg	86
35) 2,2-dichloropropane	8.045	77	378050	47.99	ug/kg	98
36) cis-1,2-dichloroethene	7.762	96	302256	46.00	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130820\
Data File : p71141.D
Acq On : 20 Aug 2013 9:28 am
Operator : krystend
Sample : cc2318-50
Misc : ms29696,msp2330,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 10:01:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.294	43	25860	54.59	ug/kg#	62
38) bromochloromethane	7.924	128	121255	51.45	ug/kg	88
39) chloroform	7.964	83	682218	53.77	ug/kg	98
41) Tetrahydrofuran	8.294	42	88349	44.66	ug/kg	97
42) 1,1,1-trichloroethane	8.699	97	696139	60.58	ug/kg	100
44) Cyclohexane	8.982	56	478551	39.94	ug/kg	92
45) carbon tetrachloride	9.062	117	610221	69.03	ug/kg	98
46) 1,1-dichloropropene	8.881	75	472033	49.07	ug/kg	98
47) benzene	9.096	78	1121905	46.10	ug/kg	100
48) 1,2-dichloroethane	8.611	62	664776	61.87	ug/kg	97
49) tert-amyl methyl ether	9.231	73	334173	56.55	ug/kg	97
50) heptane	9.581	43	469841	41.63	ug/kg	97
51) trichloroethene	9.716	95	373063	51.99	ug/kg	97
52) 1,2-dichloropropane	9.682	63	297750	44.56	ug/kg	99
53) dibromomethane	9.655	93	200801	58.76	ug/kg	97
54) bromodichloromethane	9.770	83	548170	61.66	ug/kg	99
55) Methylcyclohexane	10.228	83	486680	43.57	ug/kg	97
56) 2-chloroethyl vinyl ether	10.221	63	8579	62.57	ug/kg#	98
57) methyl methacrylate	9.884	69	193303	53.50	ug/kg	87
58) 1,4-dioxane	9.884	88	15484	282.71	ug/kg	88
59) cis-1,3-dichloropropene	10.390	75	519249	52.19	ug/kg	100
61) 4-methyl-2-pentanone	10.497	43	366924	60.79	ug/kg	95
62) toluene	11.157	92	722046	47.19	ug/kg	96
63) trans-1,3-dichloropropene	10.814	75	453058	49.99	ug/kg	96
64) 1,1,2-trichloroethane	10.976	83	225120	49.76	ug/kg	96
65) ethyl methacrylate	11.198	69	387995	53.37	ug/kg	92
67) tetrachloroethene	11.898	166	343452	48.68	ug/kg	96
68) 1,3-dichloropropane	11.211	76	510671	52.06	ug/kg	97
69) dibromochloromethane	11.501	129	374182	58.71	ug/kg	99
70) 1,2-dibromoethane	11.750	107	294254	51.50	ug/kg	98
71) 2-hexanone	11.360	43	254465	50.99	ug/kg	91
72) chlorobenzene	12.579	112	807170	45.14	ug/kg	98
73) 1,1,1,2-tetrachloroethane	12.498	131	339585	56.56	ug/kg	94
74) ethylbenzene	12.754	91	1530906	45.76	ug/kg	97
75) m,p-xylene	12.943	106	1060874	85.98	ug/kg	91
76) o-xylene	13.354	106	555600	45.38	ug/kg	89
77) styrene	13.279	104	757141	41.41	ug/kg	91
78) bromoform	13.098	173	243594	61.96	ug/kg	92
79) trans-1,4-dichloro-2-b...	13.508	53	100674	64.62	ug/kg#	84
81) isopropylbenzene	13.717	105	1577244	39.90	ug/kg	98
83) bromobenzene	13.993	156	366189	43.77	ug/kg	92
84) 1,1,2,2-tetrachloroethane	13.360	83	398829	48.75	ug/kg	97
85) 1,2,3-trichloropropane	13.508	75	453000	53.13	ug/kg	100
86) n-propylbenzene	14.162	91	1883342	42.23	ug/kg	99
87) 2-chlorotoluene	14.270	91	1172588	41.16	ug/kg	98
88) 4-chlorotoluene	14.350	91	1200790	42.08	ug/kg	99
89) 1,3,5-trimethylbenzene	14.438	105	1355736	41.13	ug/kg	100
90) tert-butylbenzene	14.741	91	956604	43.89	ug/kg	93
91) 1,2,4-trimethylbenzene	14.849	105	1329883	41.83	ug/kg	97
92) sec-butylbenzene	14.964	105	1737331	41.99	ug/kg	99

ACCUTEST LABORATORIES MC23456

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130820\
Data File : p71141.D
Acq On : 20 Aug 2013 9:28 am
Operator : krystend
Sample : cc2318-50
Misc : ms29696,msp2330,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 10:01:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

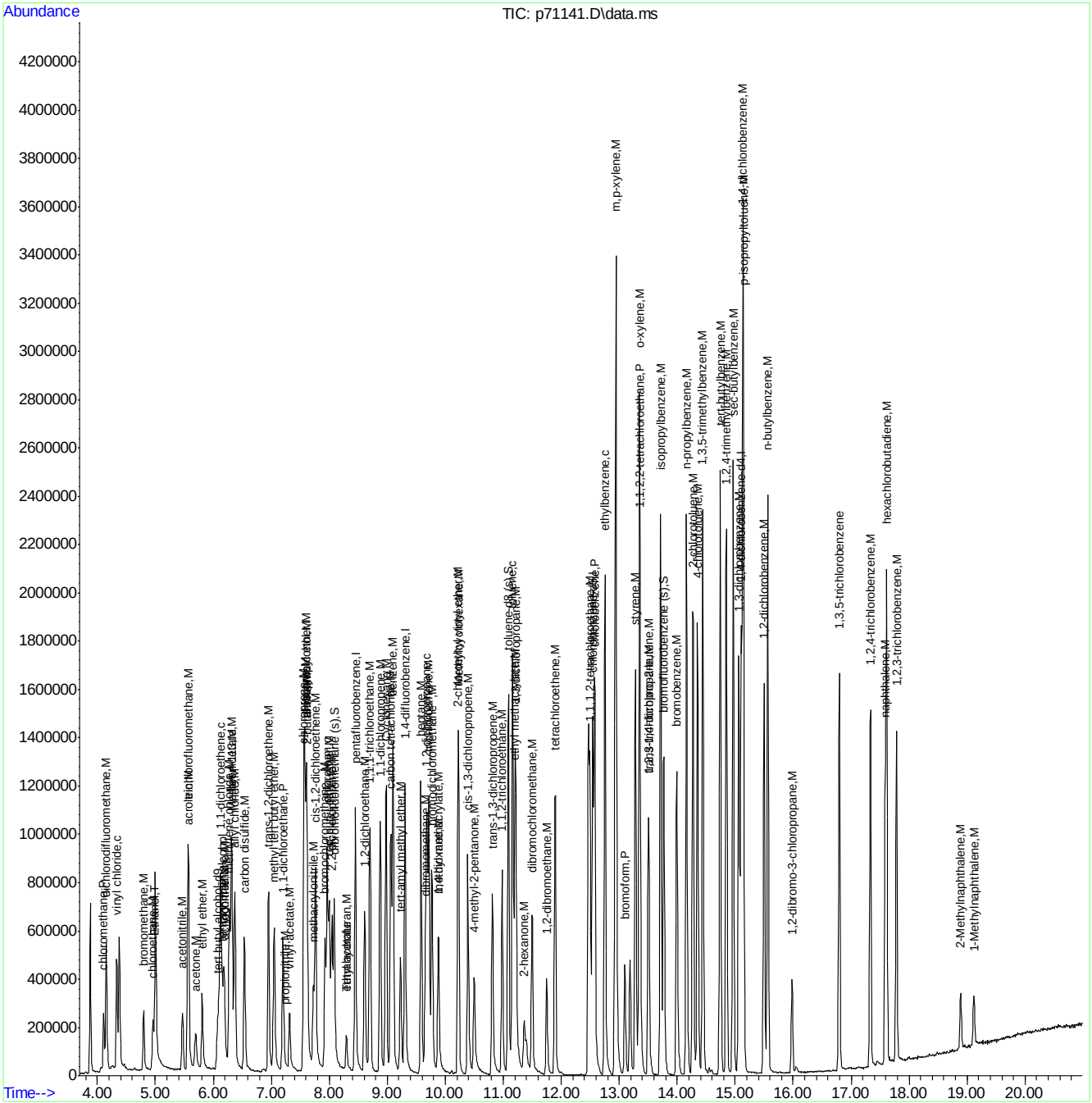
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	696629	44.38	ug/kg	99
94)	p-isopropyltoluene	15.139	119	1292294	44.03	ug/kg	96
95)	1,4-dichlorobenzene	15.132	146	697095	46.11	ug/kg	98
96)	1,2-dichlorobenzene	15.496	146	670572	45.52	ug/kg	100
97)	n-butylbenzene	15.563	91	1411442	47.03	ug/kg	98
98)	1,2-dibromo-3-chloropr...	15.981	75	111718	63.38	ug/kg	98
99)	1,3,5-trichlorobenzene	16.796	180	525235	47.78	ug/kg	96
100)	1,2,4-trichlorobenzene	17.335	180	467211	44.49	ug/kg	96
101)	hexachlorobutadiene	17.611	225	405336	50.85	ug/kg	94
102)	naphthalene	17.591	128	805522	44.65	ug/kg	100
103)	1,2,3-trichlorobenzene	17.786	180	440398	46.85	ug/kg	98
104)	2-Methylnaphthalene	18.891	142	115919	21.41	ug/kg	97
105)	1-Methylnaphthalene	19.120	142	111682	22.75	ug/kg	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130820\
Data File : p71141.D
Acq On : 20 Aug 2013 9:28 am
Operator : krystend
Sample : cc2318-50
Misc : ms29696,msp2330,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 10:01:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



Accutest Laboratories of New England, Inc.

Instrument: GCMS G

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9239	8260 IS	250ppb
48	SS	200ppb
77	CC	"
61	BS	"

Daily Saved File

Tune file 1:	G128900
Tune file 2:	MA
Initial Cal:	6/28/13
ID File:	G130628S.M
ICAL Verified:	G128911
Sequence verified:	JM

Date: 6/28/13

Batch ID: MSG5050

Analysts JM

Signature: JM

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
G128899	Blank		MA	Curve	26	S	10.0	—	50x	NA	
G128900	BFB				27						W 12:19am
01	ICV5050-0.5				28						W
02	-2				29						W
03	-5				30						W
04	-25				31						W
05	ICV5050-50				32						W
06	ICV5050-100				33						W
07	-200				34						W
08	-400				35						W
09	Blank				36						W
10	Blank				37						
11	ICV5050-50				38						
12	ICV5050-50				39						W bfb 5:28am
13	Blank				40						W
14	MB				41						
15	MC22108-1	3	MG29262	RCP	42		10.0		25x		W methylene chloride
16	MC22071-2	1		STAR	2		10.467		50x		W
17	-3	1		TCL	3		9.878				W
18	-5	1		STAR	4		11.731				W
19	MC22129-1	2		MIDL. CUME PHENOLS	5		10.06				W
20	-2	2			6		11.38				W
21	-3	2			7		10.20				W
22	-4	2			8		9.62				W
23	-5	2			9		13.31				W
24	-6	2			10		9.68				W
25	MC21255-1R	2		MCP	11		10.745				W
26	MC22065-1	2		STAR	12		9.929				W
27	MC21932-11	4		ATOM 135 124	13		7.72				W
28	-14	4			14		5.63				PRSSV
29	-15	4			15		6.57				W

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

Review:_____

30

Accutest Laboratories of New England, Inc. **Instrument: GCMS G**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
	See prior	

Daily Saved File

Tune file 1:	
Tune file 2:	
Initial Cal:	
ID File:	See prior
ICAL Verified:	
Sequence verified:	

Date: 6/29/13

Batch ID: MSG5050

Analysts JM

Signature: JM

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
G128930	MC21932-16	4	MS29262	8TXM 124 135	16	S	6.99	—	50x	NA	W
31	-16ms	4	↓	↓	17	↓	↓	↓	↓	↓	
32	-16msd	4			18						NOT SPIKED!
33	Blank				19						
34	Blank				20						
35	Blank				21						

JM 7/1/13

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:

31

Accutest Laboratories of New England, Inc. **Instrument: GCMS G**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9288	8260 IS	25Dppb
MS9307	SS	200ppb
MS9327	CC	↓
MS9311	BS	↓

Daily Saved File

Tune file 1:	G130513
Tune file 2:	NA
Initial Cal:	6/28/13
ID File:	G130628S.M
ICAL Verified:	JM
Sequence verified:	KH

Date: 8/15/13

Batch ID: MSG5089

Analysts JM

Signature: JM

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
G1130512	Blank	—	NA	NA	1	S	10.0g	—	50x	NA	
13	CCS050-50	2	↓	↓	2	↓	↓	↓	↓	↓	VV 8:42am
14	BS	2			3						VV
15	BSD	2			4						VV
16	Blank	—			5						
17	MB	—	↓	↓	6	↓	↓	↓	↓	↓	VV
18	MC23521-1	3	MS29663	RCP	7	MTB	↓		25x		VV
19	-2	4	↓	↓	8	S	10.88		50x		VV
20	-5	4			9	↓	10.05		25x		VV
21	-6	4			10	↓	6.19		25x		VV
22	MC23517-1	2		STD+MTBE	11	MTB	10.0		50x		VV
23	MC23495-2	1		MCP	12	MTB	10.0		↓		VV
24	-1	4		↓	13	S	14.72		↓		VV
25	MC23416-3	5		RCP	14	↓	15.31		25x		VV
26	MC23502-10	5		SL	15		8.14		25x		VV
27	-11	5		↓	16		8.69		↓		VV
28	-13	5		↓	17		8.51		↓		VV
29	MC23456-1	1		TCLSTAR	18		10.333		50x		VV
30	-2	1		↓	19		9.653		100x		VV RR1000x
31	MC23490-1	1	↓	SL	20		3.514		1000x		VV TRL Matrix
32	MC23457-1	1	MS29655	STAR	21		9.921		1000x		VV
33	-5	1	↓	↓	22	↓	10.015		5000x		VV
34	MC23480-2A	1	MS29663	STD+MTBE	23	O	1.088		500x		VV RR500x
35	-1	1		↓	24	↓	0.996		2000x		VV
36	MC23416-3ms	5		RCP	25	S	15.31		50x		VV
37	-3msd	5	↓	↓	26	↓	↓	↓	↓	↓	VV

JM 8/15/13

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

Accutest Laboratories of New England, Inc. **Instrument: GCMS G**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9288	8260 IS	250ppb
MS9307	SS	200ppb
MS9327	CC	↓
MS9311	BS	↓

Daily Saved File

Tune file 1:	G1130561
Tune file 2:	NA
Initial Cal:	6/28/13
ID File:	G130628S.M
ICAL Verified:	JM
Sequence verified:	6K

Date: 8/16/13

Batch ID: MSG5090

Analysts JM

Signature: JM

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
g130560	Blank	—	MA	MA	1	S	10.0	—	50x	NA	
61	CC5050-50	2	↓	↓	2	↓	↓	↓	↓	↓	✓✓ 8:16am
62	BS	2			3						✓✓
63	BSD	2			4						
64	Blank	—			5						
65	MB	—	↓	↓ Ⓐ	6	↓			↓		✓
66	MC23576-1	1	MS29674	RCP	7	MTB	↓		25x		✓✓
67	-3	1			8	S	8.88				low.
68	-4	1			9		10.05				✓✓
69	-5	1			10		11.16				✓
70	-6	1		↓	11		12.46		↓		✓
71	JB44687-2	5		SD355PL TCL(A)	12		5.26		50x		✓✓
72	-13	8			13		4.26				✓✓
73	-37	5			14		10.367				low
74	JB44690-10	8		↓	15		3.98		↓		✓
75	MC23502-15	5		SL	16		10.73		25x		low
76	-18	5			17		7.46				✓✓
77	-21	4			18		5.54				✓✓
78	-22	5			19		5.07				✓✓
79	-29	4			20		12.99				✓✓
80	-36	5			21		10.55				✓✓
81	-41	5		↓	22		10.48		↓		✓✓
82	MC23505-1	4	↓	STPR	23		4.28		50x		✓✓
83	MC23456-2	1	MS29663	TCLSTAR	24	↓	9.653		1000x		✓✓
84	MC23480-2A	1	↓	STD+MTBE	25	O	1.088		5000x		✓✓
85	MC23505-1ms		MS29674		26	S	4.28		50x		✓✓
86	↓ -1msd		↓		27	↓	↓	↓	↓	↓	✓✓ 8:01pm
									JM 8/16/13		

TX = Matrix: Designate W for water, S for soil, O for oil.
ample amount is reported in grams (wet) for soil and oil, mls for water.

S001-04 Date: 12/02/08

Review:_____

Accutest Laboratories of New England, Inc. **Instrument: GCMS P**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9327	8260CC	200 ug/mL
311	BS	200
314	IS	50
307	SS	200

Daily Saved File

Tune file 1:	P70798
Tune file 2:	NA
Initial Cal:	8/5/13
ID File:	P130805S.M
ICAL Verified:	KD
Sequence verified:	KD

Date: 8/5/13

Batch ID: MSP2318

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
P70795	test 0.5	1	NA	8260	1	NA	NA	NA	NA	NA	-
96	test 5	1		Low Soil	2						-
97	blank	NA		curve	3						-
98	bfb				4						✓✓
99	blank				5						-
P70800	IC2318-0.5	1			6						✓✓
01	-2				7						✓✓
02	-5				8						✓✓
03	-10				9						✓ Removed
04	-20				10						✓✓
05	ICC2318-50				11						✓✓
06	IC2318-100				12						✓✓
07	-200				13						✓✓
08	-400				14						✓✓
09	blank	NA			15						-
10	blank				16						-
11	ICV2318-50	2			17						✓✓
12	ICV2318-50				18						
13	blank	NA			19						-
14	blank				20						-

8/5/13 (KD)

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

ACCUTEST LABORATORIES MC23456

Accutest Laboratories of New England, Inc. **Instrument: GCMS P**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9327	8260CC	200ug/mL
11	BS	200
17	IS/SS	50

Daily Saved File

Tune file 1:	P71076
Tune file 2:	NA
Initial Cal:	8/5/13
ID File:	P130805S.M
ICAL Verified:	KD
Sequence verified:	KD

Date: 8/16/13

Batch ID: MSP2328

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
P71073	blank	NA	NA	NA	1	NA	NA	NA	NA	NA	
74	blank	↓			2						
75 ✓	CC2318-50	1			3						high
76 ✓	BS	2			4						BFB
77	iblk	NA			5						
78 ✓	CC2318-50	1			6						✓✓
79 ✓	BS	2			7						✓✓
80	iblk	NA			8						-
81	iblk				9						-
82 ✓	mb	↓	↓	↓	10	↓	↓				✓✓
83	MC23441-1A	1	MS29679	Std+MTBE	11	SSTB	5				RR meth Cl
84	MC23484-10	1		Std+5	12		5				RR meth Cl
85	↓ -11	2		↓	13		5				RR meth Cl
86	MC23517-1A	1		Std+MTBE	14	↓	5				RR meth Cl
87 ✓	MC23505-2	2		STAR	15	SO	6.01				✓✓
88	MC23456-3	1		TCLSTAR	16		4.806				↓IS + Meth Cl
89 ✓	↓ -3MS	1			17		4.895				✓✓
90 ✓	↓ -3MSD	1	↓	↓	18	↓	5.027				✓✓
91	blank	NA	NA	NA	19	NA	NA				-
92	blank	NA	↓	↓	20	↓	↓				-
93	JB44681-1	4	MS29683	MTCL11+	21	SLL	3.870				RR↓IS + meth Cl
94	↓ -3	3			22		5.410				RR↓IS
95	-4	4			23		1.720				RR↓IS
96 ✓	-9	7			24		4.590				RR↓IS
97	-18	7			25		4.490				RR↓IS
98	-32	6			26		4.240				RR↓IS
↓ 99	-37	7			27		5.330				RR↓IS
P71100	↓ -39	7	↓	↓	28	↓	5.030				RR↓IS
↓ 01	blank	NA	NA	NA	29	NA	NA	↓	↓	↓	
	8/16/13 KD										

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

Review:_____

Accutest Laboratories of New England, Inc. **Instrument: GCMS P**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9327	8260 CC	200ug/ML
11	BS	200
17	IS/SS	80

Daily Saved File

Tune file 1:	P71141
Tune file 2:	NA
Initial Cal:	8/5/13
ID File:	P130805S.M
ICAL Verified:	KD
Sequence verified:	KR

Date: 8/20/13

Batch ID: MSP2330

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
P71140	blank	NA	NA	NA	1	NA	NA	NA	NA	NA	–
41	CC2318-50	1			2						VV
42	BS	2			3						VV
43	BSD	↓			4						VV
44	iblk	NA			5						–
45	iblk				6						–
46	mb	↓	↓	↓	7	↓	↓				VV
47	MC23550-1	8	MS29696	SL+TBA	8	SO	6.63				VV CF
48	JB44690-19	7		TCL11+	9	SLL	3.960				↓ IS CF by MS VV MSD
49	-1	7			10		5.450				VV CF
50	-2	6			11		3.700				VV CF
51	-11	7			12		4.720				VV CF
52	-20	7			13		4.360				VV CF
53	-21	6			14		4.830				VV CF
54	-22	6	↓	↓	15	↓	4.440				VV CF
55	MC23456-3	1	MS29678	TCL42+	16	SO	4.818				VV
56	JB44690-19MS	1	MS29696	TCL11+	17	SLL	4.151				VV
57	-19MSD	1	↓	↓	18	↓	4.533				VV
58	BLANK	NA	NA	NA	19	NA	NA				–
59	↓	↓	↓	↓	20	↓	↓				–
60	MC2358-1	3	MS29699	MCP	21	SO	5.810				RR↓IS
61	MC23602-1	3			22		6.840				RR↓IS
62	-2	4			23		7.570				RR↓IS
63	-3	3			24		9.500				RR↓IS
64	-4	3	↓	↓	25		7.800				RR↓IS
65	MC23593-2	1	MS29706	TCL42+	26	↓	4.726				RR↓IS
66	Blank	NA	NA	NA	27	NA	NA	↓	↓	↓	–
									8/20/13 KD		

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

Review:_____

New England ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- DDT/Endrin Breakdown Checks
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34379-MB	BE37697.D	1	08/16/13	NK	08/12/13	OP34379	GBE1962

The QC reported here applies to the following samples: **Method:** SW846 8081

MC23456-5

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	6.4	1.9	ug/kg	
319-84-6	alpha-BHC	ND	6.4	1.5	ug/kg	
319-85-7	beta-BHC	ND	6.4	2.1	ug/kg	
319-86-8	delta-BHC	ND	6.4	1.2	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	6.4	1.9	ug/kg	
5103-71-9	alpha-Chlordane	ND	6.4	2.4	ug/kg	
5103-74-2	gamma-Chlordane	ND	6.4	1.9	ug/kg	
60-57-1	Dieldrin	ND	6.4	2.0	ug/kg	
72-54-8	4,4'-DDD	ND	6.4	2.1	ug/kg	
72-55-9	4,4'-DDE	ND	6.4	2.6	ug/kg	
50-29-3	4,4'-DDT	ND	6.4	2.0	ug/kg	
72-20-8	Endrin	ND	6.4	2.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	6.4	2.2	ug/kg	
7421-93-4	Endrin aldehyde	ND	6.4	2.0	ug/kg	
959-98-8	Endosulfan-I	ND	6.4	2.5	ug/kg	
33213-65-9	Endosulfan-II	ND	6.4	2.1	ug/kg	
76-44-8	Heptachlor	ND	6.4	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	6.4	2.0	ug/kg	
72-43-5	Methoxychlor	ND	6.4	2.6	ug/kg	
53494-70-5	Endrin ketone	ND	6.4	2.3	ug/kg	
8001-35-2	Toxaphene	ND	64	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	57%	30-150%
877-09-8	Tetrachloro-m-xylene	63%	30-150%
2051-24-3	Decachlorobiphenyl	65%	30-150%
2051-24-3	Decachlorobiphenyl	80%	30-150%

Method Blank Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34373-MB	BK28095.D	1	08/17/13	NK	08/12/13	OP34373	GBK956

The QC reported here applies to the following samples: **Method:** SW846 8082

MC23456-5

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	32	15	ug/kg	
11104-28-2	Aroclor 1221	ND	32	19	ug/kg	
11141-16-5	Aroclor 1232	ND	32	15	ug/kg	
53469-21-9	Aroclor 1242	ND	32	16	ug/kg	
12672-29-6	Aroclor 1248	ND	32	14	ug/kg	
11097-69-1	Aroclor 1254	ND	32	23	ug/kg	
11096-82-5	Aroclor 1260	ND	32	16	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	91%	30-150%
877-09-8	Tetrachloro-m-xylene	72%	30-150%
2051-24-3	Decachlorobiphenyl	96%	30-150%
2051-24-3	Decachlorobiphenyl	74%	30-150%

Blank Spike Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34379-BS	BE37698.D	1	08/16/13	NK	08/12/13	OP34379	GBE1962

The QC reported here applies to the following samples: **Method:** SW846 8081

MC23456-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	12.9	9.3	72	40-140
319-84-6	alpha-BHC	12.9	8.2	64	40-140
319-85-7	beta-BHC	12.9	9.0	70	40-140
319-86-8	delta-BHC	12.9	7.8	61	40-140
58-89-9	gamma-BHC (Lindane)	12.9	8.4	65	40-140
5103-71-9	alpha-Chlordane	12.9	9.3	72	40-140
5103-74-2	gamma-Chlordane	12.9	9.5	74	40-140
60-57-1	Dieldrin	12.9	9.3	72	40-140
72-54-8	4,4'-DDD	12.9	9.3	72	40-140
72-55-9	4,4'-DDE	12.9	9.1	71	40-140
50-29-3	4,4'-DDT	12.9	9.1	71	40-140
72-20-8	Endrin	12.9	10.4	81	40-140
1031-07-8	Endosulfan sulfate	12.9	9.1	71	40-140
7421-93-4	Endrin aldehyde	12.9	8.4	65	40-140
959-98-8	Endosulfan-I	12.9	9.6	75	40-140
33213-65-9	Endosulfan-II	12.9	9.3	72	40-140
76-44-8	Heptachlor	12.9	9.2	71	40-140
1024-57-3	Heptachlor epoxide	12.9	9.3	72	40-140
72-43-5	Methoxychlor	12.9	9.4	73	40-140
53494-70-5	Endrin ketone	12.9	9.1	71	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	60%	30-150%
877-09-8	Tetrachloro-m-xylene	63%	30-150%
2051-24-3	Decachlorobiphenyl	61%	30-150%
2051-24-3	Decachlorobiphenyl	82%	30-150%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34373-BS	BK28096.D	1	08/17/13	NK	08/12/13	OP34373	GBK956

The QC reported here applies to the following samples: **Method:** SW846 8082

MC23456-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	258	236	91	40-140
11104-28-2	Aroclor 1221		ND		40-140
11141-16-5	Aroclor 1232		ND		40-140
53469-21-9	Aroclor 1242		ND		40-140
12672-29-6	Aroclor 1248		ND		40-140
11097-69-1	Aroclor 1254		ND		40-140
11096-82-5	Aroclor 1260	258	256	99	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	93%	30-150%
877-09-8	Tetrachloro-m-xylene	79%	30-150%
2051-24-3	Decachlorobiphenyl	102%	30-150%
2051-24-3	Decachlorobiphenyl	79%	30-150%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34379-MS	BE37699.D	1	08/16/13	NK	08/12/13	OP34379	GBE1962
OP34379-MSD	BE37700.D	1	08/16/13	NK	08/12/13	OP34379	GBE1962
MC23456-5	BE37748.D	1	08/20/13	NK	08/12/13	OP34379	GBE1963

The QC reported here applies to the following samples: **Method:** SW846 8081

MC23456-5

CAS No.	Compound	MC23456-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		15.2	4.3	28* [a]	4.7	31	9	30-150/30
319-84-6	alpha-BHC	ND		15.2	5.9	39	6.4	42	8	30-150/30
319-85-7	beta-BHC	ND		15.2	3.0	20* [a]	2.6	17* [a]	14	30-150/30
319-86-8	delta-BHC	ND		15.2	2.4	16* [a]	2.3	15* [a]	4	30-150/30
58-89-9	gamma-BHC (Lindane)	ND		15.2	4.5	30	5.7	37	24	30-150/30
5103-71-9	alpha-Chlordane	ND		15.2	8.5	56	4.5	29* [a]	62* [a]	30-150/30
5103-74-2	gamma-Chlordane	ND		15.2	5.2	34	6.5	43	22	30-150/30
60-57-1	Dieldrin	ND		15.2	90.1	593* [a]	109	714* [a]	19	30-150/30
72-54-8	4,4'-DDD	ND		15.2	15.0	99	13.4	88	11	30-150/30
72-55-9	4,4'-DDE	ND		15.2	104	685* [a]	23.8	156* [a]	126* [a]	30-150/30
50-29-3	4,4'-DDT	ND		15.2	43.2	284* [a]	62.7	411* [a]	37* [a]	30-150/30
72-20-8	Endrin	ND		15.2	25.4	167* [a]	8.1	53	103* [a]	30-150/30
1031-07-8	Endosulfan sulfate	ND		15.2	5.0	33	8.4	55	51* [a]	30-150/30
7421-93-4	Endrin aldehyde	ND		15.2	20.4	134	18.1	119	12	30-150/30
959-98-8	Endosulfan-I	ND		15.2	7.0	46	7.3	48	4	30-150/30
33213-65-9	Endosulfan-II	ND		15.2	25.2	166* [a]	33.1	217* [a]	27	30-150/30
76-44-8	Heptachlor	ND		15.2	4.6	30	6.0	39	26	30-150/30
1024-57-3	Heptachlor epoxide	ND		15.2	29.1	192* [a]	36.5	239* [a]	23	30-150/30
72-43-5	Methoxychlor	ND		15.2	3.9	26* [a]	6.2	41	46* [a]	30-150/30
53494-70-5	Endrin ketone	ND		15.2	11.1	73	14.0	92	23	30-150/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23456-5	Limits
877-09-8	Tetrachloro-m-xylene	35%	33%	36%	30-150%
877-09-8	Tetrachloro-m-xylene	23%* [a]	22%* [a]	21%* [a]	30-150%
2051-24-3	Decachlorobiphenyl	66%	70%	65%	30-150%
2051-24-3	Decachlorobiphenyl	119%	137%	86%	30-150%

(a) Outside control limits due to possible matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34373-MS	BK28097.D	1	08/17/13	NK	08/12/13	OP34373	GBK956
OP34373-MSD	BK28098.D	1	08/17/13	NK	08/12/13	OP34373	GBK956
MC23451-1	BK28101.D	1	08/17/13	NK	08/12/13	OP34373	GBK956

The QC reported here applies to the following samples: **Method:** SW846 8082

MC23456-5

CAS No.	Compound	MC23451-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		287	201	70	139	49	36	40-140/50
11104-28-2	Aroclor 1221	ND			ND		ND		nc	40-140/50
11141-16-5	Aroclor 1232	ND			ND		ND		nc	40-140/50
53469-21-9	Aroclor 1242	ND			ND		ND		nc	40-140/50
12672-29-6	Aroclor 1248	ND			ND		ND		nc	40-140/50
11097-69-1	Aroclor 1254	ND			ND		ND		nc	40-140/50
11096-82-5	Aroclor 1260	ND		287	231	80	217	77	6	40-140/50

CAS No.	Surrogate Recoveries	MS	MSD	MC23451-1	Limits
877-09-8	Tetrachloro-m-xylene	62%	68%	67%	30-150%
877-09-8	Tetrachloro-m-xylene	44%	78%	68%	30-150%
2051-24-3	Decachlorobiphenyl	78%	74%	83%	30-150%
2051-24-3	Decachlorobiphenyl	60%	57%	64%	30-150%

* = Outside of Control Limits.

DDT/Endrin Breakdown Check

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: GBE1943-DDT
Lab File ID: BE37409.D
Instrument ID: GCBE
Injection Date: 07/08/13
Injection Time: 13:48

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	5269705	4952737
4,4'-DDE	1224015	1163491
4,4'-DDT	626343888	320785725
DDT Breakdown [a]	1 %	1.9 %
Endrin aldehyde	2803570	1211531
Endrin ketone	8891050	6330897
Endrin	342822641	188437186
Endrin Breakdown [b]	3.3 %	3.8 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
GBE1943-IC1943	BE37410.D	07/08/13	14:09	00:21	Initial cal 1000
GBE1943-IC1943	BE37411.D	07/08/13	14:33	00:45	Initial cal 500
GBE1943-IC1943	BE37412.D	07/08/13	14:54	01:07	Initial cal 500
GBE1943-IC1943	BE37413.D	07/08/13	15:16	01:28	Initial cal 500
GBE1943-IC1943	BE37414.D	07/08/13	15:37	01:50	Initial cal 250
GBE1943-ICC1943	BE37415.D	07/08/13	15:59	02:11	Initial cal 100
GBE1943-IC1943	BE37416.D	07/08/13	16:19	02:32	Initial cal 50
GBE1943-IC1943	BE37417.D	07/08/13	16:41	02:53	Initial cal 10
GBE1943-IC1943	BE37418.D	07/08/13	17:03	03:15	Initial cal 5
GBE1943-ICV1943	BE37419.D	07/08/13	17:23	03:36	Initial cal verification 100
ZZZZZZ	BE37420.D	07/08/13	17:45	03:57	(unrelated sample)
OP33919-MB	BE37421.D	07/08/13	18:06	04:19	Method Blank
OP33919-BS	BE37422.D	07/08/13	18:28	04:40	Blank Spike
OP33919-BS1	BE37423.D	07/08/13	18:49	05:01	Blank Spike
OP33919-MS	BE37424.D	07/08/13	19:10	05:22	Matrix Spike
OP33919-MSD	BE37425.D	07/08/13	19:31	05:44	Matrix Spike Duplicate
MC22548-7	BE37426.D	07/08/13	19:53	06:05	(used for QC only; not part of job MC23456)
ZZZZZZ	BE37427.D	07/08/13	20:14	06:26	(unrelated sample)
OP33922-MB	BE37428.D	07/08/13	20:35	06:47	Method Blank
OP33922-BS	BE37429.D	07/08/13	20:56	07:09	Blank Spike
GBE1943-CC1943	BE37430.D	07/08/13	21:18	07:30	Continuing cal 100

DDT/Endrin Breakdown Check

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample:	GBE1962-DDT	**Injection Date:**	08/16/13
Lab File ID:	BE37695.D	**Injection Time:**	17:35
Instrument ID:	GCBE		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	5695710	4497390
4,4'-DDE	1062139	912321
4,4'-DDT	639245642	364333118
DDT Breakdown [a]	1 %	1.5 %
Endrin aldehyde	3406973	2184613
Endrin ketone	7902659	5810976
Endrin	347257396	203806762
Endrin Breakdown [b]	3.2 %	3.8 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
GBE1962-CC1943	BE37696.D	08/16/13	17:57	00:22	Continuing cal 100
OP34379-MB	BE37697.D	08/16/13	18:18	00:43	Method Blank
OP34379-BS	BE37698.D	08/16/13	18:39	01:04	Blank Spike
OP34379-MS	BE37699.D	08/16/13	19:00	01:24	Matrix Spike
OP34379-MSD	BE37700.D	08/16/13	19:20	01:45	Matrix Spike Duplicate
GBE1962-ECC1943	BE37702.D	08/16/13	20:03	02:28	Ending cal 100

DDT/Endrin Breakdown Check

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample:	GBE1963-DDT	**Injection Date:**	08/20/13
Lab File ID:	BE37743.D	**Injection Time:**	00:59
Instrument ID:	GCBE		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	27353000	21782707
4,4'-DDE	2573733	2326960
4,4'-DDT	587630041	360073134
DDT Breakdown [a]	4.8 %	6.3 %
Endrin aldehyde	2876962	2703073
Endrin ketone	11744029	9451990
Endrin	354436345	224156845
Endrin Breakdown [b]	4 %	5.1 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MC23456-5	BE37748.D	08/20/13	02:44	01:45	LBA-TP-8
GBE1963-ECC1943	BE37749.D	08/20/13	03:05	02:06	Ending cal 100

Semivolatile Surrogate Recovery Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Method: SW846 8081 **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
MC23456-5	BE37748.D	36.0	21.0* [c]	65.0	86.0
OP34379-BS	BE37698.D	60.0	63.0	61.0	82.0
OP34379-MB	BE37697.D	57.0	63.0	65.0	80.0
OP34379-MS	BE37699.D	35.0	23.0* [c]	66.0	119.0
OP34379-MSD	BE37700.D	33.0	22.0* [c]	70.0	137.0

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	30-150%
S2 = Decachlorobiphenyl	30-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) Outside control limits due to possible matrix interference.

Semivolatile Surrogate Recovery Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Method: SW846 8082 **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
MC23456-5	BK28100.D	54.0	35.0	48.0	37.0
MC23456-5	BK28145.D	0.0* [c]	0.0* [c]	0.0* [c]	0.0* [c]
OP34373-BS	BK28096.D	93.0	79.0	102.0	79.0
OP34373-MB	BK28095.D	91.0	72.0	96.0	74.0
OP34373-MS	BK28097.D	62.0	44.0	78.0	60.0
OP34373-MSD	BK28098.D	68.0	78.0	74.0	57.0

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	30-150%
S2 = Decachlorobiphenyl	30-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) Outside control limits due to dilution.

GC Surrogate Retention Time Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	GBE1962-CC1943	**Injection Date:**	08/16/13
Lab File ID:	BE37696.D	**Injection Time:**	17:57
Instrument ID:	GCBE	**Method:**	SW846 8081

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.64	3.60	11.38	11.80

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP34379-MB	BE37697.D	08/16/13	18:18	3.64	3.60	11.38	11.80
OP34379-BS	BE37698.D	08/16/13	18:39	3.63	3.60	11.38	11.80
OP34379-MS	BE37699.D	08/16/13	19:00	3.63	3.60	11.38	11.79
OP34379-MSD	BE37700.D	08/16/13	19:20	3.63	3.60	11.38	11.79
GBE1962-ECC1948	BE37702.D	08/16/13	20:03	3.64	3.60	11.38	11.80

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	GBE1963-CC1943	**Injection Date:**	08/20/13
Lab File ID:	BE37742.D	**Injection Time:**	00:37
Instrument ID:	GCBE	**Method:**	SW846 8081

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.63	3.60	11.37	11.80

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
MC23456-5	BE37748.D	08/20/13	02:44	3.63	3.60	11.38	11.80
GBE1963-ECC1948	BE37749.D	08/20/13	03:05	3.63	3.60	11.37	11.80

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	GBK956-CC949	**Injection Date:**	08/17/13
Lab File ID:	BK28088.D	**Injection Time:**	04:02
Instrument ID:	GCBK	**Method:**	SW846 8082

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.40	2.37	9.24	9.88

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP34434-MB	BK28089.D	08/17/13	04:21	2.40	2.37	9.24	9.88
OP34434-BS	BK28090.D	08/17/13	04:40	2.40	2.37	9.24	9.88
OP34434-MS	BK28091.D	08/17/13	04:59	2.40	2.38	9.24	9.88
OP34434-MSD	BK28092.D	08/17/13	05:18	2.40	2.37	9.24	9.88
MC23500-6	BK28093.D	08/17/13	05:37	2.40	2.37	9.24	9.88
ZZZZZZ	BK28094.D	08/17/13	05:56	2.41	2.39	9.25	9.88
OP34373-MB	BK28095.D	08/17/13	06:15	2.40	2.37	9.24	9.88
OP34373-BS	BK28096.D	08/17/13	06:34	2.40	2.37	9.24	9.88
OP34373-MS	BK28097.D	08/17/13	06:53	2.40	2.37	9.24	9.88
OP34373-MSD	BK28098.D	08/17/13	07:12	2.40	2.37	9.24	9.88

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	GBK956-CC949	**Injection Date:**	08/17/13
Lab File ID:	BK28099.D	**Injection Time:**	07:31
Instrument ID:	GCBK	**Method:**	SW846 8082

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.40	2.37	9.24	9.88

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
MC23456-5	BK28100.D	08/17/13	07:50	2.40	2.37	9.25	9.88
MC23451-1	BK28101.D	08/17/13	08:09	2.40	2.37	9.24	9.88
GBK956-ECC949	BK28102.D	08/17/13	08:28	2.40	2.37	9.24	9.88

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	GBK960-CC958	**Injection Date:**	08/19/13
Lab File ID:	BK28142.D	**Injection Time:**	15:37
Instrument ID:	GCBK	**Method:**	SW846 8082

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.40	2.37	9.24	9.88

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
ZZZZZZ	BK28144.D	08/19/13	16:15	0.00	0.00	0.00	0.00
MC23456-5	BK28145.D	08/19/13	16:34	0.00	0.00	0.00	0.00
MC23142-74	BK28146.D	08/19/13	16:53	0.00	0.00	0.00	0.00
ZZZZZZ	BK28147.D	08/19/13	17:12	0.00	0.00	0.00	0.00
ZZZZZZ	BK28148.D	08/19/13	17:31	2.40	2.37	9.24	9.88
ZZZZZZ	BK28149.D	08/19/13	17:50	2.40	2.37	9.24	9.88
ZZZZZZ	BK28150.D	08/19/13	18:11	0.00	0.00	0.00	0.00
ZZZZZZ	BK28151.D	08/19/13	18:30	2.40	2.37	9.24	9.88
ZZZZZZ	BK28152.D	08/19/13	18:49	2.40	2.37	9.24	9.88
ZZZZZZ	BK28153.D	08/19/13	19:08	2.40	2.37	9.24	9.88

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: MC23456 **Sample:** GBE1943-ICC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37415.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report GCBE

Method : C:\msdchem\1\methods\PT130815.M (ChemStation Integrator)
Title : P608PEST/RtX-cl-pest1/RTX -clpest2
Last Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration

Calibration Files
1 =BE37413.d 2 =BE37414.d 3 =be37668.d 4 =BE37416.d
5 =BE37417.d 6 =BE37418.d 7 =BE37410.d 8 =BE37411.d
9 =BE37412.d =

Compound	1	2	3	4	5	6	7	8	9	Avg	%RSD
1) TCMX	2.904	2.800	3.034	2.862	3.077	2.258	2.940	2.882	3.171	2.881 E6	9.06
2) Hexachlorobenzene	3.979	4.021	4.561	3.977	4.418	4.864				4.303 E6	8.60
3) Alpha-BHC	4.687	4.686	5.233	4.408	4.459	4.787				4.710 E6	6.26
4) Gamma-BHC	4.129	4.133	4.706	4.008	4.071	4.401				4.241 E6	6.23
5) Beta-BHC	1.637	1.636	1.904	1.678	1.772	1.956				1.764 E6	7.89
6) Heptachlor	3.141	3.414	4.170	3.826	3.962	4.382				3.816 E6	12.21

----- Quadratic regression ----- Coefficient = 0.9980
Response Ratio = 1402934.85400 + 4011921.72720 *A + -1801.12895 *A^2

7) Delta-BHC	3.993	4.017	4.561	4.070	3.985	4.375				4.167 E6	5.81
8) Alachlor	2.271	2.323	2.794	2.625	3.429	4.056				2.916 E5	23.91

----- Quadratic regression ----- Coefficient = 0.9981
Response Ratio = 8037158.83413 + 256782.13474 *A + -6.65293 *A^2

9) Aldrin	3.351	3.547	4.185	3.687	3.736	4.197				3.784 E6	9.06
10) Heptachlor Epoxide	2.567	2.774	3.459	3.083	3.274	3.678				3.139 E6	13.33

----- Quadratic regression ----- Coefficient = 0.9973
Response Ratio = 1569583.04736 + 3275735.00786 *A + -1472.37707 *A^2

11) Gamma-Chlordane	3.249	3.257	3.804	3.230	3.497	3.716				3.459 E6	7.36
12) Alpha-Chlordane	3.064	3.054	3.505	3.066	2.914	3.214				3.136 E6	6.51
13) Endosulfan-I	2.458	2.616	3.206	2.840	2.998	3.342				2.910 E6	11.68

----- Quadratic regression ----- Coefficient = 0.9975
Response Ratio = 1099335.82576 + 3029820.59318 *A + -1188.13352 *A^2

14) 4,4'-DDE	2.693	2.790	3.278	2.645	2.775	3.069				2.875 E6	8.56
15) Dieldrin	2.723	2.837	3.430	3.001	3.039	3.548				3.096 E6	10.55

----- Quadratic regression ----- Coefficient = 0.9975
Response Ratio = 667600.56452 + 3215842.21392 *A + -1028.58716 *A^2

Initial Calibration Summary

Job Number: MC23456 **Sample:** GBE1943-ICC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37415.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

16) Endrin
2.378 2.501 3.054 2.734 2.700 2.967 2.723 E6 9.55
17) 4,4'-DDD
2.168 2.233 2.596 2.157 1.999 2.254 2.235 E6 8.88
18) Endosulfan-II
2.146 2.270 2.670 2.391 2.454 2.818 2.458 E6 10.15
----- Quadratic regression ----- Coefficient = 0.9984
Response Ratio = 643999.00552 + 2548999.05290 *A + -831.68821 *A^2

19) 4,4'-DDT
2.390 2.425 2.864 2.172 2.235 2.588 2.446 E6 10.31
----- Quadratic regression ----- Coefficient = 0.9960
Response Ratio = -1665448.71492 + 2605886.20208 *A + -439.86028 *A^2

20) Endrin Aldehyde
1.713 1.772 2.171 1.814 2.032 2.298 1.967 E6 12.06
----- Quadratic regression ----- Coefficient = 0.9967
Response Ratio = 1109369.75697 + 1995106.63061 *A + -594.28770 *A^2

21) Endosulfan Sulfate
1.918 1.973 2.409 1.967 2.114 2.514 2.149 E6 11.77
----- Quadratic regression ----- Coefficient = 0.9964
Response Ratio = 678326.08278 + 2202173.96326 *A + -597.08047 *A^2

22) Methoxychlor
0.991 1.015 1.266 0.983 1.033 1.246 1.089 E6 12.00
----- Quadratic regression ----- Coefficient = 0.9950
Response Ratio = -74830.62184 + 1141028.10890 *A + -314.53388 *A^2

23) Endrin Ketone
2.190 2.234 2.706 2.230 2.465 2.779 2.434 E6 10.63
----- Quadratic regression ----- Coefficient = 0.9968
Response Ratio = 902616.97404 + 2475478.32466 *A + -603.49182 *A^2

24) Chlordane-A
1.217 1.198 1.207 E5 1.07
25) Chlordane-B
2.026 2.021 2.024 E5 0.16
26) Chlordane-C
1.160 1.160 1.160 E6 0.03
27) Toxaphene-A
2.021 2.029 2.025 E5 0.27
28) Toxaphene-B
2.087 2.076 2.082 E5 0.37
29) Toxaphene-C
2.274 2.319 2.297 E5 1.40
30) AR1016-A
4.998 4.998 E4 0.00
31) AR1016-B
1.112 1.112 E5 0.00
32) AR1016-C
2.255 2.255 E5 0.00
33) AR1260-A
1.301 1.301 E5 0.00
34) AR1260-B
2.450 2.450 E5 0.00
35) AR1260-C
4.325 4.325 E5 0.00
36) AR1260-D
3.204 3.204 E5 0.00

8.7.1
8

37) AR1260-E
2.826 2.826 E5 0.00

38) DCB
1.792 1.855 2.007 1.816 1.981 1.677 2.197 2.208 1.988 1.947 E6 9.26

Signal #2

1) TCMX
1.857 1.784 1.958 1.875 2.088 1.680 1.832 1.889 1.959 1.880 E6 6.18

2) Hexachlorobenzene
2.354 2.351 2.731 2.503 2.951 3.427 2.719 E6 15.34
----- Quadratic regression ----- Coefficient = 0.9985
Response Ratio = 4563898.90729 + 2523079.33966 *A + -388.28527 *A^2

3) Alpha-BHC
2.926 2.835 3.214 2.852 3.251 3.796 3.145 E6 11.64
----- Quadratic regression ----- Coefficient = 0.9985
Response Ratio = 3966264.41319 + 2932775.83883 *A + -61.90428 *A^2

4) Gamma-BHC
2.522 2.504 2.912 2.589 2.990 3.522 2.840 E6 13.81
----- Quadratic regression ----- Coefficient = 0.9983
Response Ratio = 3962199.90014 + 2670508.11518 *A + -344.87841 *A^2

5) Beta-BHC
0.963 0.983 1.191 1.075 1.263 1.495 1.162 E6 17.28
----- Quadratic regression ----- Coefficient = 0.9977
Response Ratio = 1961583.11495 + 1096230.08133 *A + -291.84761 *A^2

6) Heptachlor
1.809 1.956 2.438 2.278 2.819 3.346 2.441 E6 23.34
----- Quadratic regression ----- Coefficient = 0.9977
Response Ratio = 5516160.48813 + 2286269.93108 *A + -1011.21164 *A^2

7) Delta-BHC
2.430 2.404 2.828 2.472 2.953 3.477 2.761 E6 15.16
----- Quadratic regression ----- Coefficient = 0.9979
Response Ratio = 4351833.05276 + 2566050.75398 *A + -322.40344 *A^2

8) Alachlor
0.987 1.130 1.575 1.689 2.562 3.129 1.845 E5 45.40
----- Quadratic regression ----- Coefficient = 0.9939
Response Ratio = 9708136.16944 + 145780.18165 *A + -10.24415 *A^2

9) Aldrin
1.905 2.019 2.450 2.303 2.753 3.174 2.434 E6 19.43
----- Quadratic regression ----- Coefficient = 0.9982
Response Ratio = 4562258.88304 + 2309691.17286 *A + -861.15122 *A^2

10) Heptachlor Epoxide
1.435 1.574 1.956 1.878 2.087 2.393 1.887 E6 18.41
----- Quadratic regression ----- Coefficient = 0.9979
Response Ratio = 2668269.59655 + 1879637.64194 *A + -931.56520 *A^2

11) Gamma-Chlordane
1.768 1.777 2.131 1.967 2.393 2.855 2.148 E6 19.47
----- Quadratic regression ----- Coefficient = 0.9980
Response Ratio = 4648781.23364 + 1951858.86077 *A + -418.50838 *A^2

12) Alpha-Chlordane

```
          1.652 1.664 1.998 1.832 2.247 2.634                    2.005 E6   19.00
         ----- Quadratic regression -----               Coefficient =  0.9979
             Response Ratio = 4208762.28721 + 1830324.67424 *A + -402.79433 *A^2

13)  Endosulfan-I
          1.301 1.435 1.830 1.736 1.988 2.446                    1.790 E6   22.90
         ----- Quadratic regression -----               Coefficient =  0.9972
             Response Ratio = 3487112.52306 + 1732655.54636 *A + -907.61227 *A^2

14)  4,4'-DDE
          1.517 1.587 1.935 1.691 2.033 2.379                    1.857 E6   17.45
         ----- Quadratic regression -----               Coefficient =  0.9974
             Response Ratio = 2811436.83482 + 1786756.05819 *A + -572.61298 *A^2

15)  Dieldrin
          1.486 1.608 2.012 1.883 2.307 2.826                    2.020 E6   24.30
         ----- Quadratic regression -----               Coefficient =  0.9976
             Response Ratio = 4744292.25423 + 1883183.28539 *A + -843.14715 *A^2

16)  Endrin
          1.256 1.377 1.761 1.622 1.893 2.397                    1.718 E6   23.75
         ----- Quadratic regression -----               Coefficient =  0.9969
             Response Ratio = 3508974.07464 + 1646369.49131 *A + -821.36514 *A^2

17)  4,4'-DDD
          1.157 1.222 1.532 1.321 1.515 1.828                    1.429 E6   17.31
         ----- Quadratic regression -----               Coefficient =  0.9966
             Response Ratio = 1792077.61759 + 1410202.00434 *A + -534.06256 *A^2

18)  Endosulfan-II
          1.177 1.289 1.634 1.500 1.805 2.131                    1.589 E6   21.97
         ----- Quadratic regression -----               Coefficient =  0.9972
             Response Ratio = 3032935.93819 + 1533573.13394 *A + -748.99897 *A^2

19)  4,4'-DDT
          1.244 1.289 1.577 1.344 1.626 1.924                    1.501 E6   17.27
         ----- Quadratic regression -----               Coefficient =  0.9970
             Response Ratio = 2210085.05606 + 1440939.39952 *A + -420.67067 *A^2

20)  Endrin Aldehyde
          0.890 0.987 1.295 1.165 1.347 1.696                    1.230 E6   23.37
         ----- Quadratic regression -----               Coefficient =  0.9960
             Response Ratio = 2236694.10119 + 1205577.57376 *A + -661.13587 *A^2

21)  Endosulfan Sulfate
          1.023 1.123 1.442 1.317 1.636 1.997                    1.423 E6   25.10
         ----- Quadratic regression -----               Coefficient =  0.9968
             Response Ratio = 3284292.75217 + 1341922.35818 *A + -674.30608 *A^2

22)  Methoxychlor
          4.893 5.391 7.133 5.968 6.658 8.059                    6.350 E5   18.38
         ----- Quadratic regression -----               Coefficient =  0.9947
             Response Ratio = 550444.23012 + 657498.41407 *A + -349.48585 *A^2

23)  Endrin Ketone
          1.120 1.221 1.562 1.417 1.697 2.022                    1.507 E6   21.91
         ----- Quadratic regression -----               Coefficient =  0.9968
             Response Ratio = 2810247.02995 + 1457860.40043 *A + -712.04783 *A^2

24)  Chlordane-A
```

Initial Calibration Summary

Job Number: MC23456 **Sample:** GBE1943-ICC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37415.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
                                          7.045 7.511         7.278 E4    4.53
25)  Chlordane-B
                                          1.207 1.280         1.243 E5    4.12
26)  Chlordane-C
                                          6.278 6.787         6.532 E5    5.50
27)  Toxaphene-A
                                          1.138 1.197         1.167 E5    3.56
28)  Toxaphene-B
                                          1.087 1.177         1.132 E5    5.58
29)  Toxaphene-C
                                          1.354 1.410         1.382 E5    2.87
30)  AR1016-A
                                                      3.443   3.443 E4    0.00
31)  AR1016-B
                                                      7.213   7.213 E4    0.00
32)  AR1016-C
                                                      1.389   1.389 E5    0.00
33)  AR1260-A
                                                      7.516   7.516 E4    0.00
34)  AR1260-B
                                                      9.102   9.102 E4    0.00
35)  AR1260-C
                                                      2.388   2.388 E5    0.00
36)  AR1260-D
                                                      1.625   1.625 E5    0.00
37)  AR1260-E
                                                      1.608   1.608 E5    0.00
38)  DCB
          0.961 0.993 1.095 0.997 1.140 0.946 0.993 1.019 1.068   1.024 E6    6.29
-------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          PT130815.M        Thu Aug 15 13:39:00 2013   ED
```

8.7.1

8

Initial Calibration Verification

Job Number: MC23456 **Sample:** GBE1943-ICV1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37419.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\BE...8A\BE37419.d\ECD1A.CH Vial: 85
Signal #2 : C:\msdchem\1\data\BE130708A\BE37419.d\ECD2B.CH
Acq On : 08-Jul-13, 17:23:45 Operator: andrip
Sample : icv1943-100,pest Inst : GCBE
Misc : op33919,gbe1943,1000,,,5,,w Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\msdchem\1\methods\PT130708A.M (ChemStation Integrator)
Title : P608PEST/RtX-cl-pest1/RTX -clpest2
Last Update : Tue Jul 09 07:53:14 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 80% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 120%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 s	TCMX	2.881	3.058 E6	-6.1	101	0.00	3.61- 3.67
2	Hexachlorobenzene	4.303	4.571 E6	-6.2	100	0.00	4.21- 4.27
3	Alpha-BHC	4.710	5.242 E6	-11.3	100	0.00	4.47- 4.53
4	Gamma-BHC	4.241	4.699 E6	-10.8	100	0.00	4.95- 5.01
5	Beta-BHC	1.764	1.902 E6	-7.8	100	0.00	5.08- 5.14
		True	Calc.	% Drift			
6	Heptachlor	100.000	109.395	-9.4	100	0.00	5.66- 5.72
		AvgRF	CCRF	% Dev			
7	Delta-BHC	4.167	4.562 E6	-9.5	100	0.00	5.35- 5.41
		True	Calc.	% Drift			
8	Alachlor	1000.000	1085.626	-8.6	100	0.00	6.33- 6.39
		AvgRF	CCRF	% Dev			
9	Aldrin	3.784	4.198 E6	-10.9	100	0.00	6.10- 6.16
		True	Calc.	% Drift			
10	Heptachlor Epoxide	100.000	110.078	-10.1	100	0.00	6.97- 7.03
		AvgRF	CCRF	% Dev			
11	Gamma-Chlordane	3.459	3.821 E6	-10.5	100	0.00	7.15- 7.21
12	Alpha-Chlordane	3.136	3.588 E6	-14.4	102	0.00	7.33- 7.39
		True	Calc.	% Drift			
13	Endosulfan-I	100.000	113.917	-13.9	103	0.00	7.52- 7.58
		AvgRF	CCRF	% Dev			
14	4,4'-DDE	2.875	3.296 E6	-14.6	101	0.00	7.45- 7.51
		True	Calc.	% Drift			
15	Dieldrin	100.000	110.337	-10.3	100	0.00	7.85- 7.91
		AvgRF	CCRF	% Dev			
16	Endrin	2.723	3.035 E6	-11.5	99	0.00	8.17- 8.23
17	4,4'-DDD	2.235	2.519 E6	-12.7	97	0.00	8.27- 8.33
		True	Calc.	% Drift			
18	Endosulfan-II	100.000	108.113	-8.1	100	0.00	8.47- 8.53
19	4,4'-DDT	100.000	111.193	-11.2	99	0.00	8.65- 8.71

Initial Calibration Verification

Job Number: MC23456 **Sample:** GBE1943-ICV1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37419.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

20	Endrin Aldehyde	100.000	109.523	-9.5	98	0.00	9.04- 9.10
21	Endosulfan Sulfate	100.000	110.011	-10.0	98	0.00	9.63- 9.69
22	Methoxychlor	100.000	110.120	-10.1	96	0.00	9.30- 9.36
23	Endrin Ketone	100.000	111.472	-11.5	100	0.00	10.01-10.07

		AvgRF	CCRF	% Dev
24	Chlordane-A		NA	
25	Chlordane-B		NA	
26	Chlordane-C		NA	
27	Toxaphene-A		NA	
28	Toxaphene-B		NA	
29	Toxaphene-C		NA	
30	AR1016-A		NA	
31	AR1016-B		NA	
32	AR1016-C		NA	
33	AR1260-A		NA	
34	AR1260-B		NA	
35	AR1260-C		NA	
36	AR1260-D		NA	
37	AR1260-E		NA	
38 s	DCB	1.947	2.035 E6	-4.5 101 0.00 11.34-11.41

***** Signal #2 *****

1 s	TCMX	1.880	1.983 E6	-5.5	101	0.00	3.57- 3.63

		True	Calc.	% Drift			
2	Hexachlorobenzene	100.000	110.198	-10.2	102	0.00	4.29- 4.35
3	Alpha-BHC	100.000	109.995	-10.0	101	0.00	4.51- 4.57
4	Gamma-BHC	100.000	110.436	-10.4	101	0.00	5.06- 5.12
5	Beta-BHC	100.000	111.390	-11.4	101	0.00	5.19- 5.25
6	Heptachlor	100.000	111.488	-11.5	102	0.00	5.70- 5.76
7	Delta-BHC	100.000	110.780	-10.8	101	0.00	5.62- 5.68
8	Alachlor	1000.000	1106.317	-10.6	101	0.00	6.05- 6.11
9	Aldrin	100.000	109.628	-9.6	101	0.00	6.16- 6.22
10	Heptachlor Epoxide	100.000	111.412	-11.4	103	0.00	6.98- 7.04
11	Gamma-Chlordane	100.000	110.910	-10.9	101	0.00	7.24- 7.30
12	Alpha-Chlordane	100.000	111.558	-11.6	102	0.00	7.44- 7.50
13	Endosulfan-I	100.000	111.138	-11.1	101	0.00	7.52- 7.58
14	4,4'-DDE	100.000	111.093	-11.1	100	0.00	7.69- 7.75
15	Dieldrin	100.000	111.299	-11.3	101	0.00	7.89- 7.95
16	Endrin	100.000	110.390	-10.4	100	0.00	8.31- 8.37
17	4,4'-DDD	100.000	108.916	-8.9	97	0.00	8.48- 8.54
18	Endosulfan-II	100.000	109.965	-10.0	100	0.00	8.60- 8.66
19	4,4'-DDT	100.000	112.313	-12.3	101	0.00	8.90- 8.96
20	Endrin Aldehyde	100.000	112.721	-12.7	100	0.00	9.06- 9.12
21	Endosulfan Sulfate	100.000	112.474	-12.5	101	0.00	9.43- 9.49
22	Methoxychlor	100.000	112.727	-12.7	98	0.00	9.84- 9.90
23	Endrin Ketone	100.000	111.921	-11.9	101	0.00	10.14-10.20

		AvgRF	CCRF	% Dev
24	Chlordane-A		NA	
25	Chlordane-B		NA	
26	Chlordane-C		NA	
27	Toxaphene-A		NA	
28	Toxaphene-B		NA	
29	Toxaphene-C		NA	
30	AR1016-A		NA	
31	AR1016-B		NA	
32	AR1016-C		NA	

Initial Calibration Verification

Job Number: MC23456 **Sample:** GBE1943-ICV1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37419.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

33		AR1260-A		----------NA----------				
34		AR1260-B		----------NA----------				
35		AR1260-C		----------NA----------				
36		AR1260-D		----------NA----------				
37		AR1260-E		----------NA----------				
38	s	DCB	1023.554	1110.955 E3	-8.5	101	0.00	11.77-11.83

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BE37415.d PT130708A.M Tue Jul 09 08:49:09 2013 ED

8.7.2

8

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBE1962-CC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37696.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\BE...16\be37696.d\ECD1A.CH Vial: 96
Signal #2 : C:\msdchem\1\data\BE130816\be37696.d\ECD2B.CH
Acq On    : 16-Aug-13, 17:57:11                    Operator: nickk
Sample    : cc1943-100,pest                        Inst    : GCBE
Misc      : op34379,gbe1962,15,,,10,,s             Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\methods\PT130816.M (ChemStation Integrator)
Title        : P608PEST/RtX-cl-pest1/RTX -clpest2
Last Update  : Thu Aug 15 13:38:44 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  80%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 120%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 s	TCMX	2.881	2.852 E6	1.0	94	0.00	3.61- 3.67
2	Hexachlorobenzene	4.303	4.463 E6	-3.7	98	0.00	4.21- 4.27
3	Alpha-BHC	4.710	5.163 E6	-9.6	99	0.00	4.47- 4.53
4	Gamma-BHC	4.241	4.578 E6	-7.9	97	0.00	4.95- 5.01
5	Beta-BHC	1.764	1.807 E6	-2.4	95	0.00	5.08- 5.14
		True	Calc.	% Drift			
6	Heptachlor	100.000	105.880	-5.9	97	0.00	5.66- 5.72
		AvgRF	CCRF	% Dev			
7	Delta-BHC	4.167	4.437 E6	-6.5	97	0.00	5.35- 5.41
		True	Calc.	% Drift			
8	Alachlor	1000.000	992.839	0.7	92	0.00	6.32- 6.38
		AvgRF	CCRF	% Dev			
9	Aldrin	3.784	4.102 E6	-8.4	98	0.00	6.10- 6.16
		True	Calc.	% Drift			
10	Heptachlor Epoxide	100.000	106.943	-6.9	97	0.00	6.97- 7.03
		AvgRF	CCRF	% Dev			
11	Gamma-Chlordane	3.459	3.775 E6	-9.1	99	0.00	7.14- 7.20
12	Alpha-Chlordane	3.136	3.485 E6	-11.1	99	0.00	7.33- 7.39
		True	Calc.	% Drift			
13	Endosulfan-I	100.000	110.258	-10.3	100	0.00	7.52- 7.58
		AvgRF	CCRF	% Dev			
14	4,4'-DDE	2.875	3.083 E6	-7.2	94	0.00	7.45- 7.51
		True	Calc.	% Drift			
15	Dieldrin	100.000	108.791	-8.8	99	0.00	7.85- 7.91
		AvgRF	CCRF	% Dev			
16	Endrin	2.723	2.981 E6	-9.5	98	0.00	8.17- 8.23
17	4,4'-DDD	2.235	2.432 E6	-8.8	94	0.00	8.27- 8.33
		True	Calc.	% Drift			
18	Endosulfan-II	100.000	105.262	-5.3	97	0.00	8.47- 8.53
19	4,4'-DDT	100.000	104.964	-5.0	93	0.00	8.65- 8.71

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBE1962-CC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37696.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

20	Endrin Aldehyde	100.000	107.525	-7.5	96	0.00	9.04-	9.10
21	Endosulfan Sulfate	100.000	108.296	-8.3	96	0.00	9.63-	9.69
22	Methoxychlor	100.000	107.350	-7.3	94	0.00	9.30-	9.36
23	Endrin Ketone	100.000	107.027	-7.0	96	0.00	10.01-	10.07

		AvgRF	CCRF	% Dev
24	Chlordane-A		NA	
25	Chlordane-B		NA	
26	Chlordane-C		NA	
27	Toxaphene-A		NA	
28	Toxaphene-B		NA	
29	Toxaphene-C		NA	
30	AR1016-A		NA	
31	AR1016-B		NA	
32	AR1016-C		NA	
33	AR1260-A		NA	
34	AR1260-B		NA	
35	AR1260-C		NA	
36	AR1260-D		NA	
37	AR1260-E		NA	
38 s	DCB	1.947	1.981 E6	-1.7	99	0.00	11.34-	11.41

***** Signal #2 *****

1 s	TCMX	1.880	1.863 E6	0.9	95	0.00	3.57-	3.63

		True	Calc.	% Drift				
2	Hexachlorobenzene	100.000	103.651	-3.7	96	0.00	4.29-	4.35
3	Alpha-BHC	100.000	104.076	-4.1	96	0.00	4.51-	4.57
4	Gamma-BHC	100.000	104.315	-4.3	96	0.00	5.06-	5.12
5	Beta-BHC	100.000	101.923	-1.9	93	0.00	5.19-	5.25
6	Heptachlor	100.000	107.126	-7.1	98	0.00	5.69-	5.75
7	Delta-BHC	100.000	104.273	-4.3	95	0.00	5.62-	5.68
8	Alachlor	1000.000	999.730	0.0	92	0.00	6.05-	6.11
9	Aldrin	100.000	106.260	-6.3	98	0.00	6.16-	6.22
10	Heptachlor Epoxide	100.000	108.186	-8.2	100	0.00	6.97-	7.03
11	Gamma-Chlordane	100.000	111.068	-11.1	101	0.00	7.24-	7.30
12	Alpha-Chlordane	100.000	112.772	-12.8	103	0.00	7.44-	7.50
13	Endosulfan-I	100.000	110.339	-10.3	100	0.00	7.51-	7.57
14	4,4'-DDE	100.000	112.589	-12.6	102	0.00	7.69-	7.75
15	Dieldrin	100.000	113.610	-13.6	103	0.00	7.89-	7.95
16	Endrin	100.000	114.560	-14.6	103	0.00	8.30-	8.36
17	4,4'-DDD	100.000	113.437	-13.4	101	0.00	8.47-	8.53
18	Endosulfan-II	100.000	113.740	-13.7	103	0.00	8.59-	8.65
19	4,4'-DDT	100.000	118.587	-18.6#	106	0.00	8.89-	8.95
20	Endrin Aldehyde	100.000	112.804	-12.8	100	0.00	9.05-	9.11
21	Endosulfan Sulfate	100.000	120.653	-20.7#	108	0.00	9.42-	9.48
22	Methoxychlor	100.000	115.665	-15.7#	101	0.00	9.83-	9.89
23	Endrin Ketone	100.000	123.272	-23.3#	110	0.00	10.13-	10.19

		AvgRF	CCRF	% Dev
24	Chlordane-A		NA	
25	Chlordane-B		NA	
26	Chlordane-C		NA	
27	Toxaphene-A		NA	
28	Toxaphene-B		NA	
29	Toxaphene-C		NA	
30	AR1016-A		NA	
31	AR1016-B		NA	
32	AR1016-C		NA	

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBE1962-CC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37696.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
33     AR1260-A                              ----------NA----------
34     AR1260-B                              ----------NA----------
35     AR1260-C                              ----------NA----------
36     AR1260-D                              ----------NA----------
37     AR1260-E                              ----------NA----------
38 s   DCB                      1023.554 1289.375 E3 -26.0# 118   0.00   11.77-11.83
---------------------------------------------------------------------------------
---------------------------------------------------------------------------------

   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    be37668.d  PT130816.M       Mon Aug 19 09:41:19 2013   ED
```

8.7.3

8

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBE1962-ECC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37702.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\BE...16\be37702.d\ECD1A.CH Vial: 96
Signal #2 : C:\msdchem\1\data\BE130816\be37702.d\ECD2B.CH
Acq On    : 16-Aug-13, 20:03:50                    Operator: nickk
Sample    : ecc1943-100,pest                       Inst    : GCBE
Misc      : op34379,gbe1962,15,,,10,,s             Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\methods\PT130816.M (ChemStation Integrator)
Title        : P608PEST/RtX-cl-pest1/RTX -clpest2
Last Update  : Thu Aug 15 13:38:44 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  80%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 120%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 s	TCMX	2.881	2.159 E6	25.1#	71#	0.00	3.61- 3.67
2	Hexachlorobenzene	4.303	3.365 E6	21.8#	74#	0.00	4.21- 4.27
3	Alpha-BHC	4.710	3.742 E6	20.6#	72#	0.00	4.47- 4.53
4	Gamma-BHC	4.241	3.341 E6	21.2#	71#	0.00	4.95- 5.01
5	Beta-BHC	1.764	1.308 E6	25.9#	69#	0.00	5.08- 5.14
	----------	True	Calc.	% Drift	----------		
6	Heptachlor	100.000	76.596	23.4#	71	0.00	5.66- 5.72
	----------	AvgRF	CCRF	% Dev	----------		
7	Delta-BHC	4.167	3.207 E6	23.0#	70#	0.00	5.35- 5.41
	----------	True	Calc.	% Drift	----------		
8	Alachlor	1000.000	886.417	11.4	82	0.00	6.32- 6.38
	----------	AvgRF	CCRF	% Dev	----------		
9	Aldrin	3.784	2.791 E6	26.2#	67#	0.00	6.10- 6.16
	----------	True	Calc.	% Drift	----------		
10	Heptachlor Epoxide	100.000	72.397	27.6#	67	0.00	6.97- 7.03
	----------	AvgRF	CCRF	% Dev	----------		
11	Gamma-Chlordane	3.459	2.372 E6	31.4#	62#	0.00	7.15- 7.21
12	Alpha-Chlordane	3.136	2.188 E6	30.2#	62#	0.00	7.33- 7.39
	----------	True	Calc.	% Drift	----------		
13	Endosulfan-I	100.000	69.362	30.6#	64	0.00	7.52- 7.58
	----------	AvgRF	CCRF	% Dev	----------		
14	4,4'-DDE	2.875	2.152 E6	25.1#	66#	0.00	7.45- 7.51
	----------	True	Calc.	% Drift	----------		
15	Dieldrin	100.000	69.784	30.2#	64	0.00	7.85- 7.91
	----------	AvgRF	CCRF	% Dev	----------		
16	Endrin	2.723	2.042 E6	25.0#	67#	0.00	8.17- 8.23
17	4,4'-DDD	2.235	1.704 E6	23.8#	66#	0.00	8.27- 8.33
	----------	True	Calc.	% Drift	----------		
18	Endosulfan-II	100.000	68.394	31.6#	64	0.00	8.47- 8.53
19	4,4'-DDT	100.000	67.683	32.3#	60	0.00	8.65- 8.71

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBE1962-ECC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37702.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

20	Endrin Aldehyde	100.000	65.683	34.3#	60	0.00	9.04- 9.10
21	Endosulfan Sulfate	100.000	67.586	32.4#	61	0.00	9.63- 9.69
22	Methoxychlor	100.000	71.024	29.0#	63	0.00	9.30- 9.36
23	Endrin Ketone	100.000	68.883	31.1#	62	0.00	10.00-10.06

		AvgRF	CCRF	% Dev
24	Chlordane-A			NA
25	Chlordane-B			NA
26	Chlordane-C			NA
27	Toxaphene-A			NA
28	Toxaphene-B			NA
29	Toxaphene-C			NA
30	AR1016-A			NA
31	AR1016-B			NA
32	AR1016-C			NA
33	AR1260-A			NA
34	AR1260-B			NA
35	AR1260-C			NA
36	AR1260-D			NA
37	AR1260-E			NA
38 s	DCB	1.947	1.318 E6	32.3# 66# 0.00 11.34-11.41

***** Signal #2 *****

1 s	TCMX	1.880	1.679 E6	10.7	86	0.00	3.57- 3.63

		True	Calc.	% Drift			
2	Hexachlorobenzene	100.000	93.962	6.0	87	0.00	4.29- 4.35
3	Alpha-BHC	100.000	91.655	8.3	85	0.00	4.51- 4.57
4	Gamma-BHC	100.000	88.342	11.7	81	0.00	5.06- 5.12
5	Beta-BHC	100.000	86.853	13.1	80	0.00	5.19- 5.25
6	Heptachlor	100.000	88.481	11.5	82	0.00	5.69- 5.75
7	Delta-BHC	100.000	89.121	10.9	82	0.00	5.62- 5.68
8	Alachlor	1000.000	815.352	18.5#	77	0.00	6.05- 6.11
9	Aldrin	100.000	82.697	17.3#	77	0.00	6.16- 6.22
10	Heptachlor Epoxide	100.000	79.800	20.2#	75	0.00	6.98- 7.04
11	Gamma-Chlordane	100.000	79.460	20.5#	74	0.00	7.24- 7.30
12	Alpha-Chlordane	100.000	78.908	21.1#	73	0.00	7.44- 7.50
13	Endosulfan-I	100.000	77.810	22.2#	73	0.00	7.51- 7.57
14	4,4'-DDE	100.000	80.980	19.0#	74	0.00	7.69- 7.75
15	Dieldrin	100.000	77.210	22.8#	72	0.00	7.89- 7.95
16	Endrin	100.000	79.199	20.8#	73	0.00	8.30- 8.36
17	4,4'-DDD	100.000	78.551	21.4#	71	0.00	8.48- 8.54
18	Endosulfan-II	100.000	73.984	26.0#	69	0.00	8.59- 8.65
19	4,4'-DDT	100.000	75.529	24.5#	69	0.00	8.89- 8.95
20	Endrin Aldehyde	100.000	66.892	33.1#	62	0.00	9.05- 9.11
21	Endosulfan Sulfate	100.000	69.548	30.5#	65	0.00	9.42- 9.48
22	Methoxychlor	100.000	73.550	26.5#	66	0.00	9.83- 9.89
23	Endrin Ketone	100.000	67.594	32.4#	63	0.00	10.13-10.19

		AvgRF	CCRF	% Dev
24	Chlordane-A			NA
25	Chlordane-B			NA
26	Chlordane-C			NA
27	Toxaphene-A			NA
28	Toxaphene-B			NA
29	Toxaphene-C			NA
30	AR1016-A			NA
31	AR1016-B			NA
32	AR1016-C			NA

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBE1962-ECC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37702.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
33     AR1260-A                          ----------NA----------
34     AR1260-B                          ----------NA----------
35     AR1260-C                          ----------NA----------
36     AR1260-D                          ----------NA----------
37     AR1260-E                          ----------NA----------
38 s   DCB                    1023.554 573.042 E3  44.0#  52#  0.00   11.77-11.83
---------------------------------------------------------------------------
---------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    be37668.d  PT130816.M       Mon Aug 19 09:44:40 2013   ED
```

8.7.4

8

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBE1963-CC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37742.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\BE...19\be37742.d\ECD1A.CH Vial: 96
Signal #2 : C:\msdchem\1\data\BE130819\be37742.d\ECD2B.CH
Acq On    : 20-Aug-13, 00:37:56                    Operator: nickk
Sample    : cc1943-100,pest                        Inst    : GCBE
Misc      : op34379,gbe1963,15,,,10,,s             Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\methods\PT130819.M (ChemStation Integrator)
Title        : P608PEST/RtX-cl-pest1/RTX -clpest2
Last Update  : Thu Aug 15 13:38:44 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  80%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 120%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 s	TCMX	2.881	3.057 E6	-6.1	101	0.00	3.60- 3.66
2	Hexachlorobenzene	4.303	4.797 E6	-11.5	105	0.00	4.20- 4.26
3	Alpha-BHC	4.710	5.402 E6	-14.7	103	0.00	4.46- 4.52
4	Gamma-BHC	4.241	4.862 E6	-14.6	103	0.00	4.95- 5.01
5	Beta-BHC	1.764	1.979 E6	-12.2	104	0.00	5.08- 5.14
		True	Calc.	% Drift			
6	Heptachlor	100.000	111.182	-11.2	102	0.00	5.66- 5.72
		AvgRF	CCRF	% Dev			
7	Delta-BHC	4.167	4.735 E6	-13.6	104	0.00	5.34- 5.40
		True	Calc.	% Drift			
8	Alachlor	1000.000	1037.929	-3.8	96	0.00	6.32- 6.38
		AvgRF	CCRF	% Dev			
9	Aldrin	3.784	4.279 E6	-13.1	102	0.00	6.10- 6.16
		True	Calc.	% Drift			
10	Heptachlor Epoxide	100.000	110.987	-11.0	100	0.00	6.97- 7.03
		AvgRF	CCRF	% Dev			
11	Gamma-Chlordane	3.459	3.926 E6	-13.5	103	0.00	7.14- 7.20
12	Alpha-Chlordane	3.136	3.622 E6	-15.5#	103	0.00	7.33- 7.39
		True	Calc.	% Drift			
13	Endosulfan-I	100.000	112.734	-12.7	102	0.00	7.52- 7.58
		AvgRF	CCRF	% Dev			
14	4,4'-DDE	2.875	3.430 E6	-19.3#	105	0.00	7.45- 7.51
		True	Calc.	% Drift			
15	Dieldrin	100.000	113.073	-13.1	102	0.00	7.85- 7.91
		AvgRF	CCRF	% Dev			
16	Endrin	2.723	3.118 E6	-14.5	102	0.00	8.16- 8.22
17	4,4'-DDD	2.235	2.787 E6	-24.7#	107	0.00	8.26- 8.32
		True	Calc.	% Drift			
18	Endosulfan-II	100.000	110.816	-10.8	102	0.00	8.47- 8.53
19	4,4'-DDT	100.000	104.043	-4.0	92	0.00	8.64- 8.70

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBE1963-CC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37742.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

20	Endrin Aldehyde	100.000	111.890	-11.9	100	0.00	9.04- 9.10
21	Endosulfan Sulfate	100.000	112.188	-12.2	100	0.00	9.63- 9.69
22	Methoxychlor	100.000	105.204	-5.2	92	0.00	9.30- 9.36
23	Endrin Ketone	100.000	111.218	-11.2	99	0.00	10.00-10.06

		AvgRF	CCRF	% Dev
24	Chlordane-A			NA
25	Chlordane-B			NA
26	Chlordane-C			NA
27	Toxaphene-A			NA
28	Toxaphene-B			NA
29	Toxaphene-C			NA
30	AR1016-A			NA
31	AR1016-B			NA
32	AR1016-C			NA
33	AR1260-A			NA
34	AR1260-B			NA
35	AR1260-C			NA
36	AR1260-D			NA
37	AR1260-E			NA
38 s	DCB	1.947	2.075 E6	-6.6 103 0.00	11.34-11.41

***** Signal #2 *****

1 s	TCMX	1.880	2.092 E6	-11.3	107	0.00	3.57- 3.63

		True	Calc.	% Drift			
2	Hexachlorobenzene	100.000	119.874	-19.9#	110	0.00	4.29- 4.35
3	Alpha-BHC	100.000	118.084	-18.1#	109	0.00	4.51- 4.57
4	Gamma-BHC	100.000	118.684	-18.7#	109	0.00	5.05- 5.11
5	Beta-BHC	100.000	114.277	-14.3	104	0.00	5.19- 5.25
6	Heptachlor	100.000	120.367	-20.4#	109	0.00	5.69- 5.75
7	Delta-BHC	100.000	118.819	-18.8#	108	0.00	5.62- 5.68
8	Alachlor	1000.000	934.214	6.6	87	0.00	6.05- 6.11
9	Aldrin	100.000	114.049	-14.0	105	0.00	6.15- 6.21
10	Heptachlor Epoxide	100.000	120.448	-20.4#	110	0.00	6.97- 7.03
11	Gamma-Chlordane	100.000	123.145	-23.1#	112	0.00	7.23- 7.29
12	Alpha-Chlordane	100.000	124.120	-24.1#	113	0.00	7.44- 7.50
13	Endosulfan-I	100.000	122.158	-22.2#	110	0.00	7.51- 7.57
14	4,4'-DDE	100.000	128.258	-28.3#	115	0.00	7.69- 7.75
15	Dieldrin	100.000	124.310	-24.3#	112	0.00	7.89- 7.95
16	Endrin	100.000	128.015	-28.0#	114	0.00	8.30- 8.36
17	4,4'-DDD	100.000	134.693	-34.7#	119	0.00	8.47- 8.53
18	Endosulfan-II	100.000	125.270	-25.3#	112	0.00	8.59- 8.65
19	4,4'-DDT	100.000	117.671	-17.7#	105	0.00	8.89- 8.95
20	Endrin Aldehyde	100.000	123.070	-23.1#	109	0.00	9.05- 9.11
21	Endosulfan Sulfate	100.000	128.190	-28.2#	114	0.00	9.42- 9.48
22	Methoxychlor	100.000	119.715	-19.7#	104	0.00	9.83- 9.89
23	Endrin Ketone	100.000	128.227	-28.2#	114	0.00	10.13-10.19

		AvgRF	CCRF	% Dev
24	Chlordane-A			NA
25	Chlordane-B			NA
26	Chlordane-C			NA
27	Toxaphene-A			NA
28	Toxaphene-B			NA
29	Toxaphene-C			NA
30	AR1016-A			NA
31	AR1016-B			NA
32	AR1016-C			NA

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBE1963-CC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37742.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
33     AR1260-A                              ----------NA----------
34     AR1260-B                              ----------NA----------
35     AR1260-C                              ----------NA----------
36     AR1260-D                              ----------NA----------
37     AR1260-E                              ----------NA----------
38 s   DCB                      1023.554 1283.213 E3 -25.4# 117   0.00   11.77-11.83
---------------------------------------------------------------------------------
---------------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    be37668.d  PT130819.M       Tue Aug 20 11:39:31 2013   ED
```

8.7.5

8

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBE1963-ECC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37749.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\BE...19\be37749.d\ECD1A.CH Vial: 96
Signal #2 : C:\msdchem\1\data\BE130819\be37749.d\ECD2B.CH
Acq On    : 20-Aug-13, 03:05:23                    Operator: nickk
Sample    : ecc1943-100,pest                       Inst    : GCBE
Misc      : op34379,gbe1963,15,,,10,,s             Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\methods\PT130819.M (ChemStation Integrator)
Title        : P608PEST/RtX-cl-pest1/RTX -clpest2
Last Update  : Thu Aug 15 13:38:44 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  80%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 120%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 s	TCMX	2.881	2.446 E6	15.1#	81	0.00	3.60- 3.66
2	Hexachlorobenzene	4.303	3.697 E6	14.1	81	0.00	4.20- 4.26
3	Alpha-BHC	4.710	4.096 E6	13.0	78#	0.00	4.46- 4.52
4	Gamma-BHC	4.241	3.612 E6	14.8	77#	0.00	4.95- 5.01
5	Beta-BHC	1.764	1.363 E6	22.7#	72#	0.00	5.08- 5.14
		True	Calc.	% Drift			
6	Heptachlor	100.000	81.853	18.1#	76	0.00	5.66- 5.72
		AvgRF	CCRF	% Dev			
7	Delta-BHC	4.167	3.416 E6	18.0#	75#	0.00	5.34- 5.40
		True	Calc.	% Drift			
8	Alachlor	1000.000	987.193	1.3	91	0.00	6.32- 6.38
		AvgRF	CCRF	% Dev			
9	Aldrin	3.784	3.005 E6	20.6#	72#	0.00	6.10- 6.16
		True	Calc.	% Drift			
10	Heptachlor Epoxide	100.000	77.992	22.0#	72	0.00	6.97- 7.03
		AvgRF	CCRF	% Dev			
11	Gamma-Chlordane	3.459	2.511 E6	27.4#	66#	0.00	7.14- 7.20
12	Alpha-Chlordane	3.136	2.328 E6	25.8#	66#	0.00	7.33- 7.39
		True	Calc.	% Drift			
13	Endosulfan-I	100.000	72.506	27.5#	67	0.00	7.52- 7.58
		AvgRF	CCRF	% Dev			
14	4,4'-DDE	2.875	2.251 E6	21.7#	69#	0.00	7.45- 7.51
		True	Calc.	% Drift			
15	Dieldrin	100.000	76.355	23.6#	70	0.00	7.85- 7.91
		AvgRF	CCRF	% Dev			
16	Endrin	2.723	2.147 E6	21.2#	70#	0.00	8.17- 8.22
17	4,4'-DDD	2.235	1.878 E6	16.0#	72#	0.00	8.26- 8.32
		True	Calc.	% Drift			
18	Endosulfan-II	100.000	72.032	28.0#	67	0.00	8.47- 8.53
19	4,4'-DDT	100.000	63.473	36.5#	57	0.00	8.64- 8.70

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBE1963-ECC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37749.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

20	Endrin Aldehyde	100.000	71.302	28.7#	65	0.00	9.04- 9.10
21	Endosulfan Sulfate	100.000	74.884	25.1#	67	0.00	9.63- 9.69
22	Methoxychlor	100.000	67.984	32.0#	60	0.00	9.30- 9.36
23	Endrin Ketone	100.000	74.564	25.4#	67	0.00	10.00-10.06

		AvgRF	CCRF	% Dev			
24	Chlordane-A			NA			
25	Chlordane-B			NA			
26	Chlordane-C			NA			
27	Toxaphene-A			NA			
28	Toxaphene-B			NA			
29	Toxaphene-C			NA			
30	AR1016-A			NA			
31	AR1016-B			NA			
32	AR1016-C			NA			
33	AR1260-A			NA			
34	AR1260-B			NA			
35	AR1260-C			NA			
36	AR1260-D			NA			
37	AR1260-E			NA			
38 s	DCB	1.947	1.439 E6	26.1#	72#	0.00	11.34-11.41

***** Signal #2 *****

1 s	TCMX	1.880	1.906 E6	-1.4	97	0.00	3.57- 3.63

		True	Calc.	% Drift			
2	Hexachlorobenzene	100.000	108.290	-8.3	100	0.00	4.29- 4.35
3	Alpha-BHC	100.000	105.908	-5.9	98	0.00	4.51- 4.57
4	Gamma-BHC	100.000	100.263	-0.3	92	0.00	5.06- 5.12
5	Beta-BHC	100.000	98.951	1.0	90	0.00	5.19- 5.25
6	Heptachlor	100.000	98.714	1.3	91	0.00	5.69- 5.75
7	Delta-BHC	100.000	97.244	2.8	89	0.00	5.62- 5.68
8	Alachlor	1000.000	869.225	13.1	82	0.00	6.05- 6.11
9	Aldrin	100.000	92.449	7.6	86	0.00	6.16- 6.22
10	Heptachlor Epoxide	100.000	91.232	8.8	85	0.00	6.97- 7.03
11	Gamma-Chlordane	100.000	86.481	13.5	80	0.00	7.23- 7.29
12	Alpha-Chlordane	100.000	86.123	13.9	80	0.00	7.44- 7.50
13	Endosulfan-I	100.000	87.001	13.0	81	0.00	7.51- 7.57
14	4,4'-DDE	100.000	88.789	11.2	81	0.00	7.69- 7.75
15	Dieldrin	100.000	85.193	14.8	79	0.00	7.89- 7.95
16	Endrin	100.000	86.116	13.9	79	0.00	8.30- 8.36
17	4,4'-DDD	100.000	88.421	11.6	80	0.00	8.47- 8.53
18	Endosulfan-II	100.000	80.067	19.9#	74	0.00	8.59- 8.65
19	4,4'-DDT	100.000	68.966	31.0#	63	0.00	8.89- 8.95
20	Endrin Aldehyde	100.000	69.544	30.5#	64	0.00	9.05- 9.11
21	Endosulfan Sulfate	100.000	70.710	29.3#	66	0.00	9.42- 9.48
22	Methoxychlor	100.000	67.462	32.5#	61	0.00	9.83- 9.89
23	Endrin Ketone	100.000	72.853	27.1#	67	0.00	10.13-10.19

		AvgRF	CCRF	% Dev
24	Chlordane-A			NA
25	Chlordane-B			NA
26	Chlordane-C			NA
27	Toxaphene-A			NA
28	Toxaphene-B			NA
29	Toxaphene-C			NA
30	AR1016-A			NA
31	AR1016-B			NA
32	AR1016-C			NA

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBE1963-ECC1943
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BE37749.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
33     AR1260-A                              ----------NA----------
34     AR1260-B                              ----------NA----------
35     AR1260-C                              ----------NA----------
36     AR1260-D                              ----------NA----------
37     AR1260-E                              ----------NA----------
38 s   DCB                      1023.554 610.648 E3  40.3#  56#  0.00   11.77-11.83
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    be37668.d  PT130819.M       Thu Aug 22 15:43:55 2013   ED
```

8.7.6

8

Initial Calibration Summary

Job Number: MC23456 **Sample:** GBK949-ICC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK27823.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report GCBK

Method : C:\msdchem\1\METHODS\PC130813.M (ChemStation Integrator)
Title : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration

Calibration Files
1 =BK27821.d 2 =BK27822.d 3 =BK27823.d 4 =BK27824.d
5 =BK27825.d 6 =BK27826.d

	Compound	1	2	3	4	5	6	Avg		%RSD
1) s	TCMX	2.602	2.596	2.697	2.529	2.265	2.851	2.590	E8	7.51
2)	AR1016-A	4.526	4.555	4.634	4.129	4.138	3.929	4.318	E6	6.71
3)	AR1016-B	0.988	0.997	1.041	0.942	0.896	0.994	0.976	E7	5.16
4)	AR1016-C	2.159	2.222	2.333	2.143	2.043	2.042	2.157	E7	5.15
5)	AR1016-D	1.386	1.397	1.441	1.297	1.239	1.201	1.327	E7	7.22
6)	AR1016-E	8.464	8.695	9.115	8.589	8.006	9.299	8.695	E6	5.35
7)	AR1260-A	1.495	1.557	1.640	1.465	1.455	1.618	1.539	E7	5.14
8)	AR1260-B	3.036	3.211	3.324	3.052	2.978	3.330	3.155	E7	4.88
9)	AR1260-C	5.542	5.750	5.889	5.386	5.200	5.654	5.570	E7	4.49
10)	AR1260-D	4.444	4.031	4.916	4.334	4.063	4.341	4.355	E7	7.35
11)	AR1260-E	3.840	4.005	4.244	3.793	3.650	4.092	3.937	E7	5.51
12)	AR1260-F	0.941	0.992	1.046	0.956	0.895	0.945	0.962	E7	5.35
13) s	DCB	3.005	3.229	3.374	3.238	3.183	4.236	3.378	E8	12.94

----- Quadratic regression ----- Coefficient = 0.9969
Response Ratio = 82764708.39045 + 361431785.43737 *A + -754325.09468 *A^2

14)	AR1221-A	2.641	2.641	E6	0.00
15)	AR1221-B	2.433	2.433	E6	0.00
16)	AR1221-C	7.601	7.601	E6	0.00
17)	AR1232-A	5.039	5.039	E6	0.00
18)	AR1232-B	4.121	4.121	E6	0.00
19)	AR1232-C	1.006	1.006	E7	0.00
20)	AR1232-D	5.568	5.568	E6	0.00
21)	AR1232-E	8.450	8.450	E6	0.00
22)	AR1242-A	4.212	4.212	E6	0.00
23)	AR1242-B	9.735	9.735	E6	0.00
24)	AR1242-C	2.255	2.255	E7	0.00
25)	AR1242-D	1.468	1.468	E7	0.00
26)	AR1242-E	1.869	1.869	E7	0.00
27)	AR1248-A	4.333	4.333	E6	0.00
28)	AR1248-B	1.288	1.288	E7	0.00
29)	AR1248-C	1.885	1.885	E7	0.00
30)	AR1248-D	2.336	2.336	E7	0.00
31)	AR1248-E	2.848	2.848	E7	0.00
32)	AR1254-A	1.904	1.904	E7	0.00
33)	AR1254-B	2.574	2.574	E7	0.00
34)	AR1254-C	3.751	3.751	E7	0.00
35)	AR1254-D	1.357	1.357	E7	0.00
36)	AR1254-E	2.038	2.038	E7	0.00
37)	AR1262-A	1.070	1.070	E7	0.00
38)	AR1262-B	2.446	2.446	E7	0.00
39)	AR1262-C	4.959	4.959	E7	0.00
40)	AR1262-D	5.104	5.104	E7	0.00
41)	AR1262-E	1.422	1.422	E7	0.00
42)	AR1268-A	8.630	8.630	E6	0.00
43)	AR1268-B	1.237	1.237	E7	0.00
44)	AR1268-C	9.345	9.345	E7	0.00

Initial Calibration Summary

Job Number: MC23456 **Sample:** GBK949-ICC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK27823.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

45)		AR1268-D					3.939		3.939 E7	0.00
46)		AR1268-E					1.096		1.096 E8	0.00

Signal #2

1)	s	TCMX	6.906	7.338	7.856	7.307	6.855	8.475	7.456 E6	8.26
2)		AR1016-A	1.061	1.208	1.309	1.263	1.313	1.343	1.249 E5	8.29
3)		AR1016-B	2.353	2.579	2.776	2.695	2.726	2.996	2.688 E5	7.95
4)		AR1016-C	4.854	5.240	5.421	5.172	4.865	5.598	5.192 E5	5.72
5)		AR1016-D	1.986	2.064	2.186	2.076	1.897	2.280	2.082 E5	6.58
6)		AR1016-E	2.255	2.467	2.619	2.494	2.467	2.718	2.503 E5	6.28
7)		AR1260-A	3.244	3.512	3.707	3.552	3.551	4.101	3.611 E5	7.84
8)		AR1260-B	3.941	4.267	4.502	4.234	4.248	4.644	4.306 E5	5.65
9)		AR1260-C	1.008	1.098	1.140	1.076	1.062	1.147	1.088 E6	4.77
10)		AR1260-D	8.046	8.544	8.924	8.080	7.733	8.472	8.300 E5	5.15
11)		AR1260-E	7.554	8.104	8.510	7.871	7.729	8.602	8.062 E5	5.26
12)		AR1260-F	2.164	2.307	2.437	2.265	2.221	2.404	2.300 E5	4.59
13)	s	DCB	0.707	0.762	0.817	0.770	0.754	1.003	0.802 E7	13.01

----- Quadratic regression ----- Coefficient = 0.9954

Response Ratio = -1330487.92738 + 8903272.19781 *A + -22235.42165 *A^2

14)		AR1221-A					4.704		4.704 E4	0.00
15)		AR1221-B					7.275		7.275 E4	0.00
16)		AR1221-C					1.762		1.762 E5	0.00
17)		AR1232-A					1.404		1.404 E5	0.00
18)		AR1232-B					1.200		1.200 E5	0.00
19)		AR1232-C					2.536		2.536 E5	0.00
20)		AR1232-D					1.573		1.573 E5	0.00
21)		AR1232-E					2.554		2.554 E5	0.00
22)		AR1242-A					1.286		1.286 E5	0.00
23)		AR1242-B					2.709		2.709 E5	0.00
24)		AR1242-C					5.385		5.385 E5	0.00
25)		AR1242-D					3.724		3.724 E5	0.00
26)		AR1242-E					5.428		5.428 E5	0.00
27)		AR1248-A					1.246		1.246 E5	0.00
28)		AR1248-B					3.100		3.100 E5	0.00
29)		AR1248-C					4.826		4.826 E5	0.00
30)		AR1248-D					7.938		7.938 E5	0.00
31)		AR1248-E					4.672		4.672 E5	0.00
32)		AR1254-A					3.908		3.908 E5	0.00
33)		AR1254-B					5.453		5.453 E5	0.00
34)		AR1254-C					9.263		9.263 E5	0.00
35)		AR1254-D					5.268		5.268 E5	0.00
36)		AR1254-E					4.525		4.525 E5	0.00
37)		AR1262-A					2.747		2.747 E5	0.00
38)		AR1262-B					2.929		2.929 E5	0.00
39)		AR1262-C					9.732		9.732 E5	0.00
40)		AR1262-D					1.036		1.036 E6	0.00
41)		AR1262-E					3.351		3.351 E5	0.00
42)		AR1268-A					1.665		1.665 E5	0.00
43)		AR1268-B					2.435		2.435 E5	0.00
44)		AR1268-C					2.005		2.005 E6	0.00
45)		AR1268-D					8.495		8.495 E5	0.00
46)		AR1268-E					2.726		2.726 E6	0.00

(#) = Out of Range

PC130813.M Tue Aug 13 11:59:00 2013

8.7.7

8

Initial Calibration Verification

Job Number: MC23456 **Sample:** GBK949-ICV949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK27831.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...13\BK27831.d\ECD1A.ch Vial: 61
Signal #2 : C:\msdchem\1\DATA\BK130813\BK27831.d\ECD2B.ch
Acq On    : 13 Aug 2013  11:38 am                    Operator: nickk
Sample    : icv949-500,a16/60                        Inst    : GCBK
Misc      : op34351,gbk949,15,,,10,,s                Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC130813.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Tue Aug 13 11:39:58 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 s	TCMX	258.993	266.109 E6	-2.7	99	0.00	2.30- 2.50
2	AR1016-A	4.318	4.299 E6	0.4	93	0.00	2.59- 2.79
3	AR1016-B	9.764	9.451 E6	3.2	91	0.00	2.89- 3.09
4	AR1016-C	21.570	21.693 E6	-0.6	93	0.00	3.31- 3.51
5	AR1016-D	13.268	13.270 E6	-0.0	92	0.00	3.51- 3.57
6	AR1016-E	8.695	8.367 E6	3.8	92	0.00	3.92- 3.98
7	AR1260-A	15.385	15.021 E6	2.4	92	0.00	5.29- 5.49
8	AR1260-B	31.552	31.896 E6	-1.1	96	0.00	5.66- 5.86
9	AR1260-C	55.702	55.608 E6	0.2	94	-0.16	6.04- 6.24
10	AR1260-D	43.550	44.031 E6	-1.1	90	0.00	7.00- 7.20
11	AR1260-E	39.375	40.084 E6	-1.8	94	0.00	7.43- 7.63
12	AR1260-F	9.625	10.272 E6	-6.7	98	0.00	8.39- 8.59
		True	Calc.	% Drift			
13 s	DCB	48.000	49.951	-4.1	100	0.00	9.15- 9.35
		AvgRF	CCRF	% Dev			
14	AR1221-A		NA				
15	AR1221-B		NA				
16	AR1221-C		NA				
17	AR1232-A		NA				
18	AR1232-B		NA				
19	AR1232-C		NA				
20	AR1232-D		NA				
21	AR1232-E		NA				
22	AR1242-A		NA				
23	AR1242-B		NA				
24	AR1242-C		NA				
25	AR1242-D		NA				
26	AR1242-E		NA				
27	AR1248-A		NA				
28	AR1248-B		NA				
29	AR1248-C		NA				
30	AR1248-D		NA				
31	AR1248-E		NA				
32	AR1254-A		NA				
33	AR1254-B		NA				
34	AR1254-C		NA				
35	AR1254-D		NA				
36	AR1254-E		NA				
37	AR1262-A		NA				

Initial Calibration Verification

Job Number: MC23456 **Sample:** GBK949-ICV949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK27831.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					
42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					
45		AR1268-D	----------NA----------					
46		AR1268-E	----------NA----------					
*****		Signal #2 *****						
1	s	TCMX	7.456	7.754 E6	-4.0	99	0.00	2.27- 2.47
2		AR1016-A	124.940	120.937 E3	3.2	92	0.00	2.65- 2.85
3		AR1016-B	268.753	258.832 E3	3.7	93	0.00	3.00- 3.20
4		AR1016-C	519.173	531.230 E3	-2.3	98	0.00	3.43- 3.63
5		AR1016-D	208.168	208.734 E3	-0.3	95	0.00	3.63- 3.69
6		AR1016-E	250.337	253.646 E3	-1.3	97	0.00	4.12- 4.18
7		AR1260-A	361.126	361.077 E3	0.0	97	0.00	5.61- 5.81
8		AR1260-B	430.591	429.356 E3	0.3	95	0.00	5.90- 6.10
9		AR1260-C	1.088	1.103 E6	-1.4	97	-0.13	6.41- 6.61
10		AR1260-D	830.003	833.132 E3	-0.4	93	0.00	7.36- 7.56
11		AR1260-E	806.183	820.280 E3	-1.7	96	0.00	7.92- 8.12
12		AR1260-F	229.968	242.121 E3	-5.3	99	0.00	8.84- 9.04
			True	Calc.	% Drift			
13	s	DCB	48.000	50.656	-5.5	100	0.00	9.78- 9.98
			AvgRF	CCRF	% Dev			
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					
42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					

Initial Calibration Verification

Job Number: MC23456 **Sample:** GBK949-ICV949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK27831.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

45	AR1268-D	----------NA----------	
46	AR1268-E	----------NA----------	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK27823.d PC130813.M Tue Aug 13 11:58:48 2013

8.7.8

8

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBK956-CC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28088.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...16\BK28088.d\ECD1A.ch Vial: 98
Signal #2 : C:\msdchem\1\DATA\BK130816\BK28088.d\ECD2B.ch
Acq On    : 17 Aug 2013   4:02 am                    Operator: nickk
Sample    : cc949-750,a16/60                         Inst    : GCBK
Misc      : op34392,gbk956,15,,,10,,s                Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC130816.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Tue Aug 13 11:39:58 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	s	TCMX	258.993	247.576 E6	4.4	95	0.00	2.30- 2.50
2		AR1016-A	4.318	4.031 E6	6.6	88	0.00	2.58- 2.78
3		AR1016-B	9.764	9.632 E6	1.4	97	0.00	2.88- 3.08
4		AR1016-C	21.570	21.947 E6	-1.7	99	0.00	3.31- 3.51
5		AR1016-D	13.268	13.137 E6	1.0	94	0.00	3.51- 3.57
6		AR1016-E	8.695	8.842 E6	-1.7	102	0.00	3.92- 3.98
7		AR1260-A	15.385	15.118 E6	1.7	97	0.00	5.29- 5.49
8		AR1260-B	31.552	32.047 E6	-1.6	100	0.00	5.65- 5.85
9		AR1260-C	55.702	56.605 E6	-1.6	98	0.00	6.19- 6.39
10		AR1260-D	43.550	44.892 E6	-3.1	111	0.00	7.00- 7.20
11		AR1260-E	39.375	41.296 E6	-4.9	103	0.00	7.42- 7.62
12		AR1260-F	9.625	10.153 E6	-5.5	102	0.00	8.38- 8.58
			True	Calc.	% Drift			
13	s	DCB	56.000	56.211	-0.4	100	0.00	9.14- 9.34
			AvgRF	CCRF	% Dev			
14		AR1221-A		NA				
15		AR1221-B		NA				
16		AR1221-C		NA				
17		AR1232-A		NA				
18		AR1232-B		NA				
19		AR1232-C		NA				
20		AR1232-D		NA				
21		AR1232-E		NA				
22		AR1242-A		NA				
23		AR1242-B		NA				
24		AR1242-C		NA				
25		AR1242-D		NA				
26		AR1242-E		NA				
27		AR1248-A		NA				
28		AR1248-B		NA				
29		AR1248-C		NA				
30		AR1248-D		NA				
31		AR1248-E		NA				
32		AR1254-A		NA				
33		AR1254-B		NA				
34		AR1254-C		NA				
35		AR1254-D		NA				
36		AR1254-E		NA				
37		AR1262-A		NA				

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBK956-CC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28088.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					
42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					
45		AR1268-D	----------NA----------					
46		AR1268-E	----------NA----------					
*****		Signal #2 *****						
1	s	TCMX	7.456	6.143 E6	17.6#	84#	0.00	2.27- 2.47
2		AR1016-A	124.940	99.524 E3	20.3#	82#	0.00	2.66- 2.86
3		AR1016-B	268.753	218.215 E3	18.8#	85#	0.00	3.00- 3.20
4		AR1016-C	519.173	443.432 E3	14.6	85#	0.00	3.43- 3.63
5		AR1016-D	208.168	172.853 E3	17.0#	84#	0.00	3.63- 3.69
6		AR1016-E	250.337	207.186 E3	17.2#	84#	0.00	4.13- 4.19
7		AR1260-A	361.126	301.272 E3	16.6#	86	0.00	5.62- 5.82
8		AR1260-B	430.591	358.410 E3	16.8#	84#	0.00	5.90- 6.10
9		AR1260-C	1.088	0.934 E6	14.2	85	0.00	6.54- 6.74
10		AR1260-D	830.003	724.497 E3	12.7	85#	0.00	7.36- 7.56
11		AR1260-E	806.183	687.905 E3	14.7	85#	0.00	7.92- 8.12
12		AR1260-F	229.968	193.308 E3	15.9#	84#	0.00	8.84- 9.04
		----------	True	Calc.	% Drift	----------		
13	s	DCB	56.000	43.856	21.7#	81	0.00	9.78- 9.98
		----------	AvgRF	CCRF	% Dev	----------		
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					
42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBK956-CC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28088.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
45      AR1268-D                              ----------NA----------
46      AR1268-E                              ----------NA----------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------

   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    BK27822.d  PC130816.M       Mon Aug 19 08:51:27 2013
```

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBK956-CC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28099.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\DATA\BK...16\BK28099.d\ECD1A.ch Vial: 97
Signal #2 : C:\msdchem\1\DATA\BK130816\BK28099.d\ECD2B.ch
Acq On : 17 Aug 2013 7:31 am Operator: nickk
Sample : cc949-750,a16/60 Inst : GCBK
Misc : op34392,gbk956,15,,,10,,s Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\msdchem\1\METHODS\PC130816.M (ChemStation Integrator)
Title : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update : Tue Aug 13 11:39:58 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 s	TCMX	258.993	240.580 E6	7.1	93	0.00	2.30- 2.50
2	AR1016-A	4.318	4.137 E6	4.2	91	0.00	2.58- 2.78
3	AR1016-B	9.764	9.292 E6	4.8	93	0.00	2.88- 3.08
4	AR1016-C	21.570	20.505 E6	4.9	92	0.00	3.31- 3.51
5	AR1016-D	13.268	12.196 E6	8.1	87	0.00	3.51- 3.57
6	AR1016-E	8.695	8.017 E6	7.8	92	0.00	3.92- 3.98
7	AR1260-A	15.385	15.058 E6	2.1	97	0.00	5.29- 5.49
8	AR1260-B	31.552	30.931 E6	2.0	96	0.00	5.65- 5.85
9	AR1260-C	55.702	54.633 E6	1.9	95	0.00	6.19- 6.39
10	AR1260-D	43.550	42.579 E6	2.2	106	0.00	7.00- 7.20
11	AR1260-E	39.375	39.391 E6	-0.0	98	0.00	7.42- 7.62
12	AR1260-F	9.625	9.645 E6	-0.2	97	0.00	8.38- 8.58
		True	Calc.	% Drift			
13 s	DCB	56.000	55.801	0.4	99	0.00	9.14- 9.34
		AvgRF	CCRF	% Dev			
14	AR1221-A		----------NA----------				
15	AR1221-B		----------NA----------				
16	AR1221-C		----------NA----------				
17	AR1232-A		----------NA----------				
18	AR1232-B		----------NA----------				
19	AR1232-C		----------NA----------				
20	AR1232-D		----------NA----------				
21	AR1232-E		----------NA----------				
22	AR1242-A		----------NA----------				
23	AR1242-B		----------NA----------				
24	AR1242-C		----------NA----------				
25	AR1242-D		----------NA----------				
26	AR1242-E		----------NA----------				
27	AR1248-A		----------NA----------				
28	AR1248-B		----------NA----------				
29	AR1248-C		----------NA----------				
30	AR1248-D		----------NA----------				
31	AR1248-E		----------NA----------				
32	AR1254-A		----------NA----------				
33	AR1254-B		----------NA----------				
34	AR1254-C		----------NA----------				
35	AR1254-D		----------NA----------				
36	AR1254-E		----------NA----------				
37	AR1262-A		----------NA----------				

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBK956-CC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28099.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					
42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					
45		AR1268-D	----------NA----------					
46		AR1268-E	----------NA----------					
*****		Signal #2 *****						
1	s	TCMX	7.456	5.993 E6	19.6#	82#	0.00	2.27- 2.47
2		AR1016-A	124.940	100.365 E3	19.7#	83#	0.00	2.66- 2.86
3		AR1016-B	268.753	219.197 E3	18.4#	85	0.00	3.00- 3.20
4		AR1016-C	519.173	424.892 E3	18.2#	81#	0.00	3.43- 3.63
5		AR1016-D	208.168	166.163 E3	20.2#	81#	0.00	3.63- 3.69
6		AR1016-E	250.337	203.350 E3	18.8#	82#	0.00	4.13- 4.19
7		AR1260-A	361.126	298.426 E3	17.4#	85#	0.00	5.62- 5.82
8		AR1260-B	430.591	357.881 E3	16.9#	84#	0.00	5.91- 6.11
9		AR1260-C	1.088	0.922 E6	15.3#	84#	0.00	6.55- 6.75
10		AR1260-D	830.003	705.940 E3	14.9	83#	0.00	7.36- 7.56
11		AR1260-E	806.183	674.681 E3	16.3#	83#	0.00	7.92- 8.12
12		AR1260-F	229.968	188.588 E3	18.0#	82#	0.00	8.84- 9.04
			True	Calc.	% Drift			
13	s	DCB	56.000	44.058	21.3#	81	0.00	9.78- 9.98
			AvgRF	CCRF	% Dev			
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					
42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBK956-CC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28099.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
45      AR1268-D                              ----------NA----------
46      AR1268-E                              ----------NA----------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------

   (#) = Out of Range                 SPCC's out = 0  CCC's out = 0
    BK27822.d  PC130816.M       Mon Aug 19 08:48:18 2013
```

8.7.10

8

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBK956-ECC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28102.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...16\BK28102.d\ECD1A.ch Vial: 97
Signal #2 : C:\msdchem\1\DATA\BK130816\BK28102.d\ECD2B.ch
Acq On    : 17 Aug 2013   8:28 am                    Operator: nickk
Sample    : ecc949-750,a16/60                        Inst    : GCBK
Misc      : op34392,gbk956,15,,,10,,s                Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC130816.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Tue Aug 13 11:39:58 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 s	TCMX	258.993	248.909 E6	3.9	96	0.00	2.30- 2.50
2	AR1016-A	4.318	4.288 E6	0.7	94	0.00	2.58- 2.78
3	AR1016-B	9.764	9.531 E6	2.4	96	0.00	2.88- 3.08
4	AR1016-C	21.570	21.140 E6	2.0	95	0.00	3.31- 3.51
5	AR1016-D	13.268	13.088 E6	1.4	94	0.00	3.51- 3.57
6	AR1016-E	8.695	8.408 E6	3.3	97	0.00	3.92- 3.98
7	AR1260-A	15.385	15.019 E6	2.4	96	0.00	5.28- 5.48
8	AR1260-B	31.552	31.174 E6	1.2	97	0.00	5.65- 5.85
9	AR1260-C	55.702	54.893 E6	1.5	95	0.00	6.19- 6.39
10	AR1260-D	43.550	41.440 E6	4.8	103	0.00	7.00- 7.20
11	AR1260-E	39.375	38.901 E6	1.2	97	0.00	7.42- 7.62
12	AR1260-F	9.625	9.409 E6	2.2	95	0.00	8.38- 8.58
		True	Calc.	% Drift			
13 s	DCB	56.000	52.257	6.7	94	0.00	9.14- 9.34
		AvgRF	CCRF	% Dev			
14	AR1221-A		----------NA----------				
15	AR1221-B		----------NA----------				
16	AR1221-C		----------NA----------				
17	AR1232-A		----------NA----------				
18	AR1232-B		----------NA----------				
19	AR1232-C		----------NA----------				
20	AR1232-D		----------NA----------				
21	AR1232-E		----------NA----------				
22	AR1242-A		----------NA----------				
23	AR1242-B		----------NA----------				
24	AR1242-C		----------NA----------				
25	AR1242-D		----------NA----------				
26	AR1242-E		----------NA----------				
27	AR1248-A		----------NA----------				
28	AR1248-B		----------NA----------				
29	AR1248-C		----------NA----------				
30	AR1248-D		----------NA----------				
31	AR1248-E		----------NA----------				
32	AR1254-A		----------NA----------				
33	AR1254-B		----------NA----------				
34	AR1254-C		----------NA----------				
35	AR1254-D		----------NA----------				
36	AR1254-E		----------NA----------				
37	AR1262-A		----------NA----------				

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBK956-ECC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28102.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					
42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					
45		AR1268-D	----------NA----------					
46		AR1268-E	----------NA----------					
*****		Signal #2 *****						
1	s	TCMX	7.456	5.974 E6	19.9#	81#	0.00	2.27- 2.47
2		AR1016-A	124.940	99.661 E3	20.2#	82#	0.00	2.66- 2.86
3		AR1016-B	268.753	216.033 E3	19.6#	84#	0.00	3.00- 3.20
4		AR1016-C	519.173	424.788 E3	18.2#	81#	0.00	3.43- 3.63
5		AR1016-D	208.168	164.901 E3	20.8#	80#	0.00	3.64- 3.70
6		AR1016-E	250.337	200.691 E3	19.8#	81#	0.00	4.13- 4.19
7		AR1260-A	361.126	291.147 E3	19.4#	83#	0.00	5.62- 5.82
8		AR1260-B	430.591	352.525 E3	18.1#	83#	0.00	5.90- 6.10
9		AR1260-C	1.088	0.901 E6	17.2#	82#	0.00	6.54- 6.74
10		AR1260-D	830.003	687.574 E3	17.2#	80#	0.00	7.36- 7.56
11		AR1260-E	806.183	656.706 E3	18.5#	81#	0.00	7.92- 8.12
12		AR1260-F	229.968	181.949 E3	20.9#	79#	0.00	8.84- 9.04
			---------- True	Calc.	% Drift	----------		
13	s	DCB	56.000	40.870	27.0#	76	0.00	9.78- 9.98
			---------- AvgRF	CCRF	% Dev	----------		
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					
42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					

8.7.11

8

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBK956-ECC949
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28102.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

45	AR1268-D	----------NA----------
46	AR1268-E	----------NA----------

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK27822.d PC130816.M Mon Aug 19 08:43:40 2013

8.7.11

8

Initial Calibration Summary

Job Number: MC23456 **Sample:** GBK958-ICC958
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28130.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report GCBK

Method : C:\msdchem\1\METHODS\PC130819.M (ChemStation Integrator)
Title : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update : Tue Aug 20 14:22:45 2013
Response via : Initial Calibration

Calibration Files
1 =BK28128.d 2 =BK28129.d 3 =BK28130.d 4 =BK28131.d
5 =BK28132.d 6 =BK28133.d

	Compound	1	2	3	4	5	6	Avg		%RSD
1) s	TCMX	2.821	2.594	2.638	2.383	2.458	2.834	2.621	E8	7.03
2)	AR1016-A	4.524	4.451	4.075	3.449	4.248	4.139	4.148	E6	9.26
3)	AR1016-B	1.068	1.007	1.002	0.843	0.911	1.005	0.973	E7	8.31
4)	AR1016-C	2.382	2.205	2.204	1.872	1.973	2.185	2.137	E7	8.60
5)	AR1016-D	1.457	1.353	1.425	1.157	1.317	1.386	1.349	E7	7.90
6)	AR1016-E	9.298	8.783	8.860	7.426	8.478	8.964	8.635	E6	7.52
7)	AR1260-A	1.709	1.625	1.653	1.381	1.612	1.654	1.606	E7	7.16
8)	AR1260-B	3.446	3.339	3.347	2.918	3.225	3.360	3.273	E7	5.72
9)	AR1260-C	6.189	5.891	5.853	5.145	5.615	5.764	5.743	E7	6.07
10)	AR1260-D	5.148	4.683	4.960	4.237	4.687	4.555	4.712	E7	6.74
11)	AR1260-E	4.480	4.338	4.371	3.757	4.073	4.561	4.263	E7	7.00
12)	AR1260-F	1.207	1.175	1.178	0.998	1.047	1.172	1.129	E7	7.57
13) s	DCB	3.577	3.493	3.674	3.314	3.774	4.714	3.758	E8	13.16

----- Quadratic regression ----- Coefficient = 0.9976
Response Ratio = 1414278942.24828 + 282824143.92237 *A + 744661.34799 *A^2

14)	AR1221-A	2.106	2.106 E6	0.00
15)	AR1221-B	2.770	2.770 E6	0.00
16)	AR1221-C	7.285	7.285 E6	0.00
17)	AR1232-A	4.981	4.981 E6	0.00
18)	AR1232-B	4.386	4.386 E6	0.00
19)	AR1232-C	9.643	9.643 E6	0.00
20)	AR1232-D	5.769	5.769 E6	0.00
21)	AR1232-E	8.039	8.039 E6	0.00
22)	AR1242-A	4.741	4.741 E6	0.00
23)	AR1242-B	1.183	1.183 E7	0.00
24)	AR1242-C	2.610	2.610 E7	0.00
25)	AR1242-D	1.768	1.768 E7	0.00
26)	AR1242-E	2.058	2.058 E7	0.00
27)	AR1248-A	4.229	4.229 E6	0.00
28)	AR1248-B	1.227	1.227 E7	0.00
29)	AR1248-C	1.881	1.881 E7	0.00
30)	AR1248-D	2.313	2.313 E7	0.00
31)	AR1248-E	2.675	2.675 E7	0.00
32)	AR1254-A	1.868	1.868 E7	0.00
33)	AR1254-B	2.564	2.564 E7	0.00
34)	AR1254-C	3.673	3.673 E7	0.00
35)	AR1254-D	1.320	1.320 E7	0.00
36)	AR1254-E	1.917	1.917 E7	0.00
37)	AR1262-A	1.139	1.139 E7	0.00
38)	AR1262-B	2.483	2.483 E7	0.00
39)	AR1262-C	5.319	5.319 E7	0.00
40)	AR1262-D	5.512	5.512 E7	0.00
41)	AR1262-E	1.642	1.642 E7	0.00
42)	AR1268-A	1.137	1.137 E7	0.00
43)	AR1268-B	1.556	1.556 E7	0.00
44)	AR1268-C	1.218	1.218 E8	0.00

8.7.12
8

Initial Calibration Summary

Job Number: MC23456 **Sample:** GBK958-ICC958
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28130.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

45)	AR1268-D						5.091		5.091 E7	0.00
46)	AR1268-E						1.393		1.393 E8	0.00

Signal #2

1) s	TCMX	6.625	6.508	6.688	6.028	6.590	7.816	6.709 E6		8.82
2)	AR1016-A	1.065	1.095	1.114	1.115	1.162	1.338	1.148 E5		8.56
3)	AR1016-B	2.259	2.348	2.409	2.278	2.610	2.846	2.458 E5		9.28
4)	AR1016-C	4.671	4.625	4.696	4.030	4.725	5.499	4.708 E5		9.94
5)	AR1016-D	1.780	1.788	1.838	1.606	1.953	2.135	1.850 E5		9.67
6)	AR1016-E	2.140	2.171	2.224	2.012	2.298	2.559	2.234 E5		8.29
7)	AR1260-A	3.156	3.192	3.228	2.971	3.391	3.798	3.289 E5		8.61
8)	AR1260-B	3.854	3.897	3.927	3.528	4.004	4.615	3.971 E5		8.96
9)	AR1260-C	9.779	9.888	9.988	9.031	9.948	9.579	9.702 E5		3.71
10)	AR1260-D	7.710	7.683	7.683	6.557	7.220	7.832	7.447 E5		6.50
11)	AR1260-E	7.312	7.290	7.458	6.630	7.320	8.088	7.350 E5		6.33
12)	AR1260-F	2.084	2.060	2.175	1.895	2.117	2.278	2.101 E5		6.08
13) s	DCB	6.797	6.709	7.093	6.390	7.331	9.537	7.310 E6		15.57

----- Quadratic regression ----- Coefficient = 0.9971

Response Ratio = 30603713.90090 + 5419100.38948 *A + 13198.15244 *A^2

14)	AR1221-A						4.460		4.460 E4	0.00
15)	AR1221-B						6.204		6.204 E4	0.00
16)	AR1221-C						1.632		1.632 E5	0.00
17)	AR1232-A						1.254		1.254 E5	0.00
18)	AR1232-B						1.279		1.279 E5	0.00
19)	AR1232-C						2.178		2.178 E5	0.00
20)	AR1232-D						1.455		1.455 E5	0.00
21)	AR1232-E						2.196		2.196 E5	0.00
22)	AR1242-A						1.366		1.366 E5	0.00
23)	AR1242-B						2.928		2.928 E5	0.00
24)	AR1242-C						5.681		5.681 E5	0.00
25)	AR1242-D						4.124		4.124 E5	0.00
26)	AR1242-E						5.584		5.584 E5	0.00
27)	AR1248-A						1.141		1.141 E5	0.00
28)	AR1248-B						2.679		2.679 E5	0.00
29)	AR1248-C						4.489		4.489 E5	0.00
30)	AR1248-D						6.798		6.798 E5	0.00
31)	AR1248-E						4.101		4.101 E5	0.00
32)	AR1254-A						3.419		3.419 E5	0.00
33)	AR1254-B						5.138		5.138 E5	0.00
34)	AR1254-C						8.170		8.170 E5	0.00
35)	AR1254-D						3.986		3.986 E5	0.00
36)	AR1254-E						3.807		3.807 E5	0.00
37)	AR1262-A						2.473		2.473 E5	0.00
38)	AR1262-B						2.705		2.705 E5	0.00
39)	AR1262-C						8.796		8.796 E5	0.00
40)	AR1262-D						9.433		9.433 E5	0.00
41)	AR1262-E						3.080		3.080 E5	0.00
42)	AR1268-A						1.854		1.854 E5	0.00
43)	AR1268-B						2.741		2.741 E5	0.00
44)	AR1268-C						2.269		2.269 E6	0.00
45)	AR1268-D						9.646		9.646 E5	0.00
46)	AR1268-E						3.025		3.025 E6	0.00

(#) = Out of Range

PC130819.M Tue Aug 20 14:25:59 2013

8.7.12

8

Initial Calibration Verification

Job Number: MC23456 **Sample:** GBK958-ICV958
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28138.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\DATA\BK...19\BK28138.d\ECD1A.ch Vial: 111
Signal #2 : C:\msdchem\1\DATA\BK130819\BK28138.d\ECD2B.ch
Acq On : 19 Aug 2013 2:07 pm Operator: nickk
Sample : icv958-500,a16/60 Inst : GCBK
Misc : op34382,gbk958,15,,,10,,s Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\msdchem\1\METHODS\PC130819.M (ChemStation Integrator)
Title : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update : Tue Aug 20 14:22:45 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 s	TCMX	262.138	269.823 E6	-2.9	102	0.00	2.30- 2.50
2	AR1016-A	4.148	4.098 E6	1.2	101	0.00	2.59- 2.79
3	AR1016-B	9.727	9.338 E6	4.0	93	0.00	2.88- 3.08
4	AR1016-C	21.368	20.479 E6	4.2	93	0.00	3.31- 3.51
5	AR1016-D	13.492	13.115 E6	2.8	92	0.00	3.51- 3.57
6	AR1016-E	8.635	8.241 E6	4.6	93	0.00	3.92- 3.98
7	AR1260-A	16.056	15.542 E6	3.2	94	0.00	5.29- 5.49
8	AR1260-B	32.725	32.244 E6	1.5	96	0.00	5.65- 5.85
9	AR1260-C	57.427	56.304 E6	2.0	96	0.00	6.19- 6.39
10	AR1260-D	47.117	48.052 E6	-2.0	97	0.00	7.00- 7.20
11	AR1260-E	42.632	41.601 E6	2.4	95	0.05	7.48- 7.68
12	AR1260-F	11.295	11.598 E6	-2.7	98	0.00	8.39- 8.59
		True	Calc.	% Drift			
13 s	DCB	48.000	51.898	-8.1	103	0.00	9.14- 9.34
		AvgRF	CCRF	% Dev			
14	AR1221-A		----------NA----------				
15	AR1221-B		----------NA----------				
16	AR1221-C		----------NA----------				
17	AR1232-A		----------NA----------				
18	AR1232-B		----------NA----------				
19	AR1232-C		----------NA----------				
20	AR1232-D		----------NA----------				
21	AR1232-E		----------NA----------				
22	AR1242-A		----------NA----------				
23	AR1242-B		----------NA----------				
24	AR1242-C		----------NA----------				
25	AR1242-D		----------NA----------				
26	AR1242-E		----------NA----------				
27	AR1248-A		----------NA----------				
28	AR1248-B		----------NA----------				
29	AR1248-C		----------NA----------				
30	AR1248-D		----------NA----------				
31	AR1248-E		----------NA----------				
32	AR1254-A		----------NA----------				
33	AR1254-B		----------NA----------				
34	AR1254-C		----------NA----------				
35	AR1254-D		----------NA----------				
36	AR1254-E		----------NA----------				
37	AR1262-A		----------NA----------				

Initial Calibration Verification

Job Number: MC23456 **Sample:** GBK958-ICV958
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28138.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					
42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					
45		AR1268-D	----------NA----------					
46		AR1268-E	----------NA----------					
*****		Signal #2 *****						
1	s	TCMX	6.709	7.165 E6	-6.8	107	0.00	2.27- 2.47
2		AR1016-A	114.818	108.332 E3	5.6	97	0.00	2.66- 2.86
3		AR1016-B	245.829	233.940 E3	4.8	97	0.00	3.00- 3.20
4		AR1016-C	470.797	454.423 E3	3.5	97	0.00	3.43- 3.63
5		AR1016-D	185.002	176.406 E3	4.6	96	0.00	3.64- 3.70
6		AR1016-E	223.401	221.695 E3	0.8	100	0.00	4.13- 4.19
7		AR1260-A	328.931	327.844 E3	0.3	102	0.00	5.62- 5.82
8		AR1260-B	397.098	389.331 E3	2.0	99	0.00	5.91- 6.11
9		AR1260-C	970.216	985.072 E3	-1.5	99	0.00	6.55- 6.75
10		AR1260-D	744.745	725.906 E3	2.5	94	0.00	7.37- 7.57
11		AR1260-E	734.993	740.874 E3	-0.8	99	0.00	7.93- 8.13
12		AR1260-F	210.141	221.743 E3	-5.5	102	0.00	8.85- 9.05
		----------	True	Calc.	% Drift	----------		
13	s	DCB	48.000	53.840	-12.2	106	0.00	9.79- 9.99
		----------	AvgRF	CCRF	% Dev	----------		
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					
42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					

Initial Calibration Verification

Job Number: MC23456 **Sample:** GBK958-ICV958
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28138.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

45	AR1268-D	----------NA----------	
46	AR1268-E	----------NA----------	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK28130.d PC130819.M Tue Aug 20 14:25:45 2013

8.7.13

8

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBK960-CC958
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28142.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...19\BK28142.d\ECD1A.ch Vial: 102
Signal #2 : C:\msdchem\1\DATA\BK130819\BK28142.d\ECD2B.ch
Acq On    : 19 Aug 2013   3:37 pm                    Operator: nickk
Sample    : cc958-750,a16/60                         Inst    : GCBK
Misc      : op34382,gbk960,15,,,10,,s                Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC130819.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Tue Aug 20 14:22:45 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 s	TCMX	262.138	255.942 E6	2.4	99	0.00	2.30- 2.50
2	AR1016-A	4.148	4.176 E6	-0.7	94	0.00	2.58- 2.78
3	AR1016-B	9.727	9.946 E6	-2.3	99	0.00	2.88- 3.08
4	AR1016-C	21.368	21.349 E6	0.1	97	0.00	3.31- 3.51
5	AR1016-D	13.492	13.482 E6	0.1	100	0.00	3.51- 3.57
6	AR1016-E	8.635	8.608 E6	0.3	98	0.00	3.92- 3.98
7	AR1260-A	16.056	15.182 E6	5.4	93	0.00	5.29- 5.49
8	AR1260-B	32.725	32.971 E6	-0.8	99	0.00	5.65- 5.85
9	AR1260-C	57.427	58.587 E6	-2.0	99	0.00	6.19- 6.39
10	AR1260-D	47.117	47.942 E6	-1.8	102	0.00	7.00- 7.20
11	AR1260-E	42.632	41.288 E6	3.2	95	0.00	7.42- 7.62
12	AR1260-F	11.295	10.785 E6	4.5	92	0.00	8.39- 8.59
		True	Calc.	% Drift			
13 s	DCB	56.000	52.765	5.8	94	0.00	9.14- 9.34
		AvgRF	CCRF	% Dev			
14	AR1221-A		NA				
15	AR1221-B		NA				
16	AR1221-C		NA				
17	AR1232-A		NA				
18	AR1232-B		NA				
19	AR1232-C		NA				
20	AR1232-D		NA				
21	AR1232-E		NA				
22	AR1242-A		NA				
23	AR1242-B		NA				
24	AR1242-C		NA				
25	AR1242-D		NA				
26	AR1242-E		NA				
27	AR1248-A		NA				
28	AR1248-B		NA				
29	AR1248-C		NA				
30	AR1248-D		NA				
31	AR1248-E		NA				
32	AR1254-A		NA				
33	AR1254-B		NA				
34	AR1254-C		NA				
35	AR1254-D		NA				
36	AR1254-E		NA				
37	AR1262-A		NA				

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBK960-CC958
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28142.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

38		AR1262-B			----------NA----------			
39		AR1262-C			----------NA----------			
40		AR1262-D			----------NA----------			
41		AR1262-E			----------NA----------			
42		AR1268-A			----------NA----------			
43		AR1268-B			----------NA----------			
44		AR1268-C			----------NA----------			
45		AR1268-D			----------NA----------			
46		AR1268-E			----------NA----------			
*****		Signal #2 *****						
1	s	TCMX	6.709	6.693 E6	0.2	103	0.00	2.27- 2.47
2		AR1016-A	114.818	109.927 E3	4.3	100	0.00	2.66- 2.86
3		AR1016-B	245.829	237.101 E3	3.6	101	0.00	3.00- 3.20
4		AR1016-C	470.797	471.409 E3	-0.1	102	0.00	3.43- 3.63
5		AR1016-D	185.002	186.391 E3	-0.8	104	0.00	3.64- 3.70
6		AR1016-E	223.401	220.852 E3	1.1	102	0.00	4.13- 4.19
7		AR1260-A	328.931	324.452 E3	1.4	102	0.00	5.62- 5.82
8		AR1260-B	397.098	394.870 E3	0.6	101	0.00	5.91- 6.11
9		AR1260-C	970.216	1000.090 E3	-3.1	101	0.00	6.55- 6.75
10		AR1260-D	744.745	766.267 E3	-2.9	100	0.00	7.36- 7.56
11		AR1260-E	734.993	743.270 E3	-1.1	102	0.00	7.93- 8.13
12		AR1260-F	210.141	209.455 E3	0.3	102	0.00	8.85- 9.05
		----------	True	Calc.	% Drift		----------	
13	s	DCB	56.000	56.230	-0.4	100	0.00	9.78- 9.98
		----------	AvgRF	CCRF	% Dev		----------	
14		AR1221-A			----------NA----------			
15		AR1221-B			----------NA----------			
16		AR1221-C			----------NA----------			
17		AR1232-A			----------NA----------			
18		AR1232-B			----------NA----------			
19		AR1232-C			----------NA----------			
20		AR1232-D			----------NA----------			
21		AR1232-E			----------NA----------			
22		AR1242-A			----------NA----------			
23		AR1242-B			----------NA----------			
24		AR1242-C			----------NA----------			
25		AR1242-D			----------NA----------			
26		AR1242-E			----------NA----------			
27		AR1248-A			----------NA----------			
28		AR1248-B			----------NA----------			
29		AR1248-C			----------NA----------			
30		AR1248-D			----------NA----------			
31		AR1248-E			----------NA----------			
32		AR1254-A			----------NA----------			
33		AR1254-B			----------NA----------			
34		AR1254-C			----------NA----------			
35		AR1254-D			----------NA----------			
36		AR1254-E			----------NA----------			
37		AR1262-A			----------NA----------			
38		AR1262-B			----------NA----------			
39		AR1262-C			----------NA----------			
40		AR1262-D			----------NA----------			
41		AR1262-E			----------NA----------			
42		AR1268-A			----------NA----------			
43		AR1268-B			----------NA----------			
44		AR1268-C			----------NA----------			

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBK960-CC958
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28142.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
45      AR1268-D                              ----------NA----------
46      AR1268-E                              ----------NA----------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    BK28129.d  PC130819.M       Tue Aug 20 15:03:01 2013
```

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBK960-CC958
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28143.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28143.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 3:56 pm
Operator : nickk
Sample : cc958-500,a21/54
Misc : op34382,gbk960,15,,,10,,s
ALS Vial : 91 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 15:06:13 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 20 14:22:45 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 s	TCMX	262.138	230.090 E6	12.2	87	0.00
13 s	DCB	375.759	259.961 E6	30.8#	71#	0.00
32	AR1254-A	18.677	19.943 E6	-6.8	107	0.00
33	AR1254-B	25.640	27.356 E6	-6.7	107	0.00
34	AR1254-C	36.732	39.908 E6	-8.6	109	0.00
35	AR1254-D	13.201	14.269 E6	-8.1	108	0.00
36	AR1254-E	19.166	20.949 E6	-9.3	109	0.00
Signal #2						
1 s	TCMX	6.709	6.062 E6	9.6	91	0.00
13 s	DCB	7.310	5.270 E6	27.9#	74#	0.00
32	AR1254-A	341.902	374.649 E3	-9.6	110	0.00
33	AR1254-B	513.826	542.156 E3	-5.5	106	0.00
34	AR1254-C	817.013	890.977 E3	-9.1	109	0.00
35	AR1254-D	398.576	450.154 E3	-12.9	113	0.00
36	AR1254-E	380.671	420.639 E3	-10.5	110	0.00

Evaluate Continuing Calibration Report - Not Founds

2	AR1016-A	4.148	0.000 E6	100.0#	0#	-2.68#
3	AR1016-B	9.727	0.000 E6	100.0#	0#	-2.98#
4	AR1016-C	21.368	0.000 E6	100.0#	0#	-3.41#
5	AR1016-D	13.492	0.000 E6	100.0#	0#	-3.54#
6	AR1016-E	8.635	0.000 E6	100.0#	0#	-3.95#
7	AR1260-A	16.056	0.000 E6	100.0#	0#	-5.39#
8	AR1260-B	32.725	0.000 E6	100.0#	0#	-5.75#
9	AR1260-C	57.427	0.000 E6	100.0#	0#	-6.30#
10	AR1260-D	47.117	0.000 E6	100.0#	0#	-7.10#
11	AR1260-E	42.632	0.000 E6	100.0#	0#	-7.53#

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBK960-CC958
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28143.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

12	AR1260-F	11.295	0.000	E6	100.0#	0# -8.49#
14	AR1221-A	2.106	0.000	E6	100.0#	0# -2.00#
15	AR1221-B	2.770	0.000	E6	100.0#	0# -2.53#
16	AR1221-C	7.285	0.000	E6	100.0#	0# -2.69#
17	AR1232-A	4.981	0.000	E6	100.0#	0# -2.69#
18	AR1232-B	4.386	0.000	E6	100.0#	0# -2.98#
19	AR1232-C	9.643	0.000	E6	100.0#	0# -3.41#
20	AR1232-D	5.769	0.000	E6	100.0#	0# -3.74#
21	AR1232-E	8.039	0.000	E6	100.0#	0# -4.45#
22	AR1242-A	4.741	0.000	E6	100.0#	0# -2.69#
23	AR1242-B	11.833	0.000	E6	100.0#	0# -2.98#
24	AR1242-C	26.098	0.000	E6	100.0#	0# -3.41#
25	AR1242-D	17.681	0.000	E6	100.0#	0# -3.74#
26	AR1242-E	20.583	0.000	E6	100.0#	0# -4.45#
27	AR1248-A	4.229	0.000	E6	100.0#	0# -2.98#
28	AR1248-B	12.266	0.000	E6	100.0#	0# -3.41#
29	AR1248-C	18.813	0.000	E6	100.0#	0# -3.74#
30	AR1248-D	23.128	0.000	E6	100.0#	0# -3.95#
31	AR1248-E	26.753	0.000	E6	100.0#	0# -4.45#
37	AR1262-A	11.387	0.000	E6	100.0#	0# -5.39#
38	AR1262-B	24.830	0.000	E6	100.0#	0# -5.75#
39	AR1262-C	53.191	0.000	E6	100.0#	0# -6.30#
40	AR1262-D	55.118	0.000	E6	100.0#	0# -7.58#
41	AR1262-E	16.423	0.000	E6	100.0#	0# -8.49#
42	AR1268-A	11.368	0.000	E6	100.0#	0# -6.30#
43	AR1268-B	15.556	0.000	E6	100.0#	0# -6.64#
44	AR1268-C	121.848	0.000	E6	100.0#	0# -7.58#
45	AR1268-D	50.913	0.000	E6	100.0#	0# -7.94#
46	AR1268-E	139.275	0.000	E6	100.0#	0# -8.93#

Signal #2

2	AR1016-A	114.818	0.000	E3	100.0#	0# -2.76#
3	AR1016-B	245.829	0.000	E3	100.0#	0# -3.10#
4	AR1016-C	470.797	0.000	E3	100.0#	0# -3.53#
5	AR1016-D	185.002	0.000	E3	100.0#	0# -3.67#
6	AR1016-E	223.401	0.000	E3	100.0#	0# -4.16#
7	AR1260-A	328.931	0.000	E3	100.0#	0# -5.72#
8	AR1260-B	397.098	0.000	E3	100.0#	0# -6.01#
9	AR1260-C	970.216	0.000	E3	100.0#	0# -6.65#
10	AR1260-D	744.745	0.000	E3	100.0#	0# -7.46#
11	AR1260-E	734.993	0.000	E3	100.0#	0# -8.03#
12	AR1260-F	210.141	0.000	E3	100.0#	0# -8.95#
14	AR1221-A	44.603	0.000	E3	100.0#	0# -2.04#
15	AR1221-B	62.035	0.000	E3	100.0#	0# -2.60#
16	AR1221-C	163.227	0.000	E3	100.0#	0# -2.76#
17	AR1232-A	125.403	0.000	E3	100.0#	0# -2.76#
18	AR1232-B	127.945	0.000	E3	100.0#	0# -3.10#
19	AR1232-C	217.774	0.000	E3	100.0#	0# -3.53#
20	AR1232-D	145.483	0.000	E3	100.0#	0# -3.86#
21	AR1232-E	219.646	0.000	E3	100.0#	0# -4.64#
22	AR1242-A	136.568	0.000	E3	100.0#	0# -2.76#
23	AR1242-B	292.768	0.000	E3	100.0#	0# -3.10#
24	AR1242-C	568.147	0.000	E3	100.0#	0# -3.53#
25	AR1242-D	412.413	0.000	E3	100.0#	0# -3.86#
26	AR1242-E	558.445	0.000	E3	100.0#	0# -4.65#
27	AR1248-A	114.125	0.000	E3	100.0#	0# -3.10#
28	AR1248-B	267.872	0.000	E3	100.0#	0# -3.53#
29	AR1248-C	448.877	0.000	E3	100.0#	0# -3.86#
30	AR1248-D	679.793	0.000	E3	100.0#	0# -4.65#

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBK960-CC958
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28143.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

31	AR1248-E	410.064	0.000	E3	100.0#	0# -4.93#
37	AR1262-A	247.298	0.000	E3	100.0#	0# -5.72#
38	AR1262-B	270.536	0.000	E3	100.0#	0# -6.01#
39	AR1262-C	879.601	0.000	E3	100.0#	0# -6.65#
40	AR1262-D	943.303	0.000	E3	100.0#	0# -8.02#
41	AR1262-E	308.016	0.000	E3	100.0#	0# -8.95#
42	AR1268-A	185.432	0.000	E3	100.0#	0# -6.65#
43	AR1268-B	274.121	0.000	E3	100.0#	0# -7.08#
44	AR1268-C	2.269	0.000	E6	100.0#	0# -8.01#
45	AR1268-D	964.619	0.000	E3	100.0#	0# -8.48#
46	AR1268-E	3.025	0.000	E6	100.0#	0# -9.47#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

PC130819.M Tue Aug 20 15:06:16 2013

8.7.15

8

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBK960-CC958
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28154.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...19\BK28154.d\ECD1A.ch Vial: 100
Signal #2 : C:\msdchem\1\DATA\BK130819\BK28154.d\ECD2B.ch
Acq On    : 19 Aug 2013   7:27 pm                    Operator: nickk
Sample    : cc958-750,a16/60                         Inst    : GCBK
Misc      : op34382,gbk960,15,,,10,,s                Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC130819.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Tue Aug 20 14:22:45 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	s	TCMX	262.138	255.308 E6	2.6	98	0.00	2.30- 2.50
2		AR1016-A	4.148	4.206 E6	-1.4	95	0.00	2.58- 2.78
3		AR1016-B	9.727	9.915 E6	-1.9	98	0.00	2.88- 3.08
4		AR1016-C	21.368	21.877 E6	-2.4	99	0.00	3.31- 3.51
5		AR1016-D	13.492	13.451 E6	0.3	99	0.00	3.51- 3.57
6		AR1016-E	8.635	8.886 E6	-2.9	101	0.00	3.92- 3.98
7		AR1260-A	16.056	15.983 E6	0.5	98	0.00	5.29- 5.49
8		AR1260-B	32.725	33.204 E6	-1.5	99	0.00	5.65- 5.85
9		AR1260-C	57.427	58.099 E6	-1.2	99	0.00	6.19- 6.39
10		AR1260-D	47.117	47.418 E6	-0.6	101	0.00	7.00- 7.20
11		AR1260-E	42.632	43.857 E6	-2.9	101	0.00	7.42- 7.62
12		AR1260-F	11.295	11.975 E6	-6.0	102	0.00	8.39- 8.59
			True	Calc.	% Drift			
13	s	DCB	56.000	56.837	-1.5	102	0.00	9.14- 9.34
			AvgRF	CCRF	% Dev			
14		AR1221-A		NA				
15		AR1221-B		NA				
16		AR1221-C		NA				
17		AR1232-A		NA				
18		AR1232-B		NA				
19		AR1232-C		NA				
20		AR1232-D		NA				
21		AR1232-E		NA				
22		AR1242-A		NA				
23		AR1242-B		NA				
24		AR1242-C		NA				
25		AR1242-D		NA				
26		AR1242-E		NA				
27		AR1248-A		NA				
28		AR1248-B		NA				
29		AR1248-C		NA				
30		AR1248-D		NA				
31		AR1248-E		NA				
32		AR1254-A		NA				
33		AR1254-B		NA				
34		AR1254-C		NA				
35		AR1254-D		NA				
36		AR1254-E		NA				
37		AR1262-A		NA				

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBK960-CC958
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28154.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					
42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					
45		AR1268-D	----------NA----------					
46		AR1268-E	----------NA----------					
*****		Signal #2 *****						
1	s	TCMX	6.709	6.678 E6	0.5	103	0.00	2.27- 2.47
2		AR1016-A	114.818	108.873 E3	5.2	99	0.00	2.66- 2.86
3		AR1016-B	245.829	237.974 E3	3.2	101	0.00	3.00- 3.20
4		AR1016-C	470.797	473.583 E3	-0.6	102	0.00	3.43- 3.63
5		AR1016-D	185.002	182.739 E3	1.2	102	0.00	3.64- 3.70
6		AR1016-E	223.401	223.981 E3	-0.3	103	0.00	4.13- 4.19
7		AR1260-A	328.931	324.513 E3	1.3	102	0.00	5.62- 5.82
8		AR1260-B	397.098	387.293 E3	2.5	99	0.00	5.91- 6.11
9		AR1260-C	970.216	993.182 E3	-2.4	100	0.00	6.55- 6.75
10		AR1260-D	744.745	767.775 E3	-3.1	100	0.00	7.36- 7.56
11		AR1260-E	734.993	748.163 E3	-1.8	103	0.00	7.93- 8.13
12		AR1260-F	210.141	211.124 E3	-0.5	102	0.00	8.85- 9.05
			True	Calc.	% Drift			
13	s	DCB	56.000	57.103	-2.0	102	0.00	9.78- 9.98
			AvgRF	CCRF	% Dev			
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					
42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					

Continuing Calibration Summary

Job Number: MC23456 **Sample:** GBK960-CC958
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28154.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

45	AR1268-D	----------NA----------
46	AR1268-E	----------NA----------

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK28129.d PC130819.M Tue Aug 20 15:25:30 2013

8.7.16

8

New England ACCUTEST LABORATORIES

GC Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130819\
Data File : be37748.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20-Aug-13, 02:44:42
Operator : nickk
Sample : mc23456-5,op34379 (Sig #1); mc23486-5,op34379 (Sig #2)
Misc : op34379,gbe1963,20.68,,,10,,s
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 11:57:19 2013
Quant Method : C:\msdchem\1\methods\PT130819.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.634	3.599	41461768	15934755	14.392m	8.475m#
	Spiked Amount 40.000			Recovery	=	35.98%	21.19%
38) s	DCB	11.377	11.796	50635954	35055875	26.010m	34.249m#
	Spiked Amount 40.000			Recovery	=	65.03%	85.62%
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

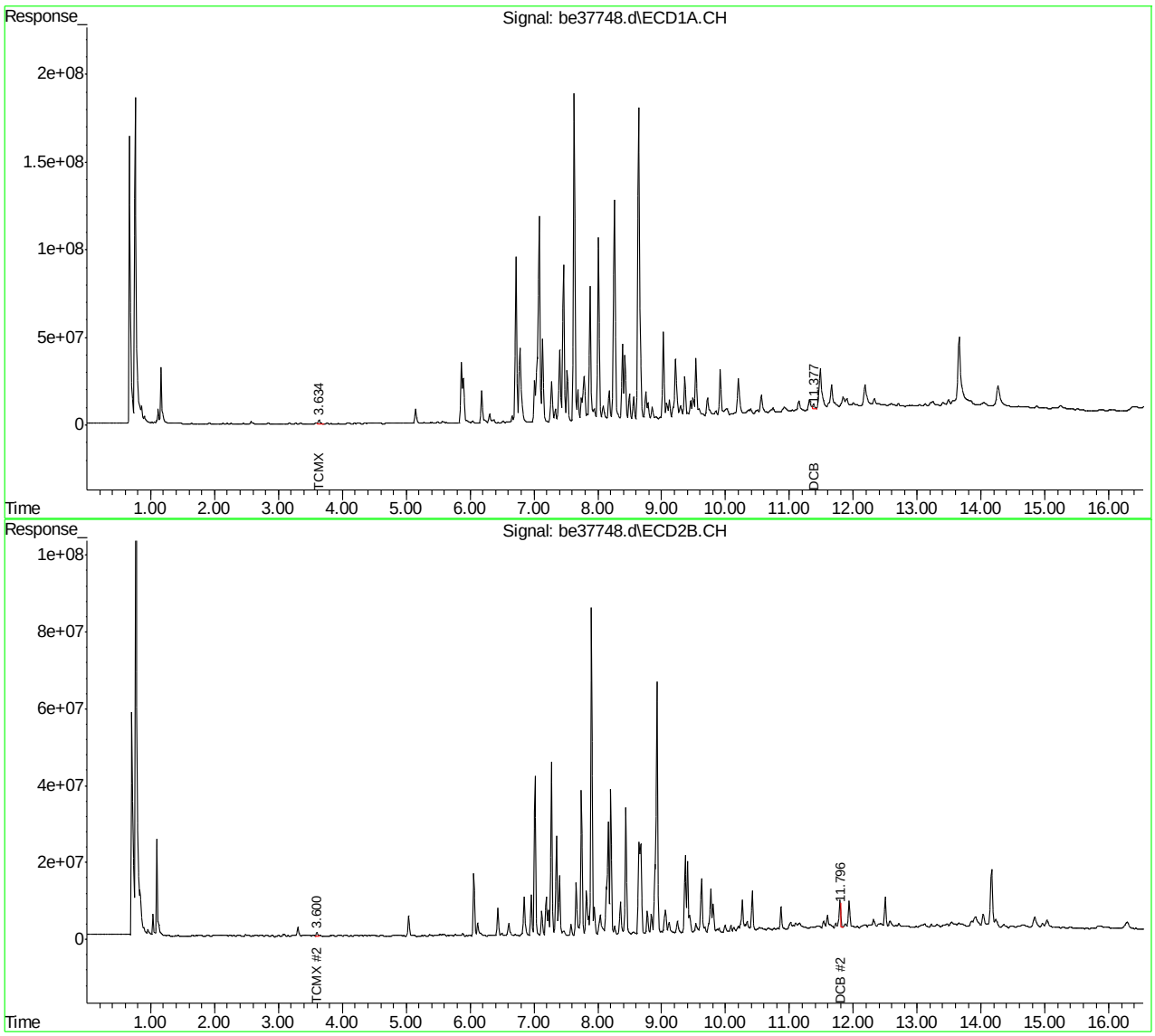
9.1.1
9

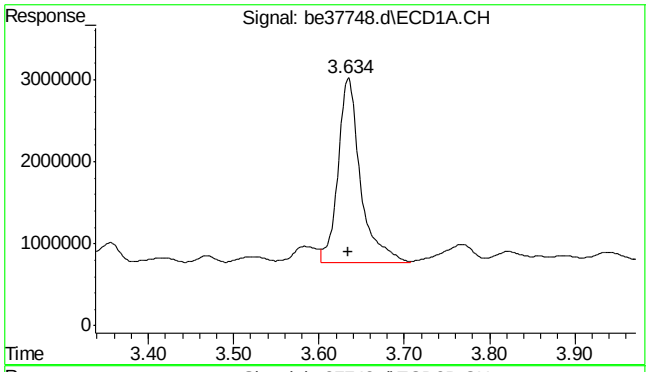
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130819\
Data File : be37748.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20-Aug-13, 02:44:42
Operator : nickk
Sample : mc23456-5,op34379 (Sig #1); mc23486-5,op34379 (Sig #2)
Misc : op34379,gbe1963,20.68,,,10,,s
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 11:57:19 2013
Quant Method : C:\msdchem\1\methods\PT130819.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

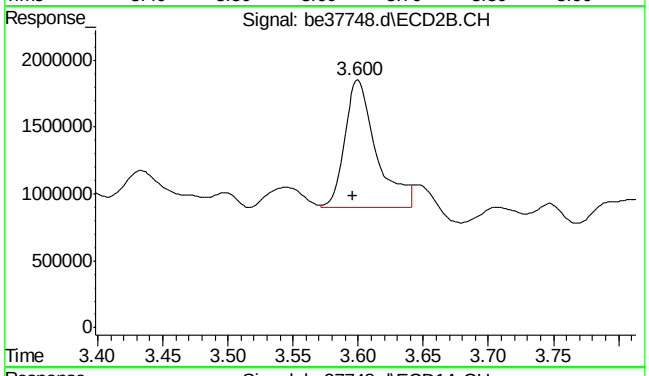
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





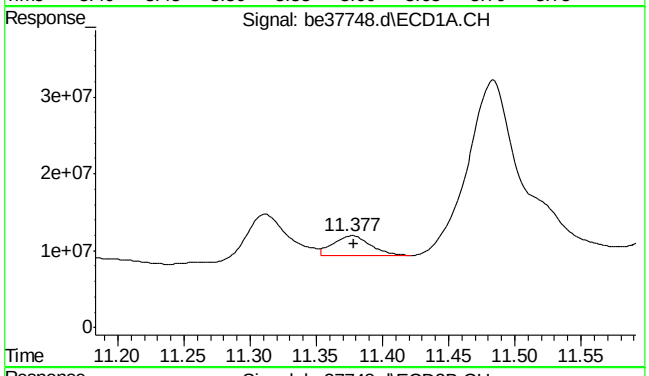
#1 TCMX

R.T.: 3.634 min
Delta R.T.: 0.000 min
Response: 41461768
Conc: 14.39 ppb m



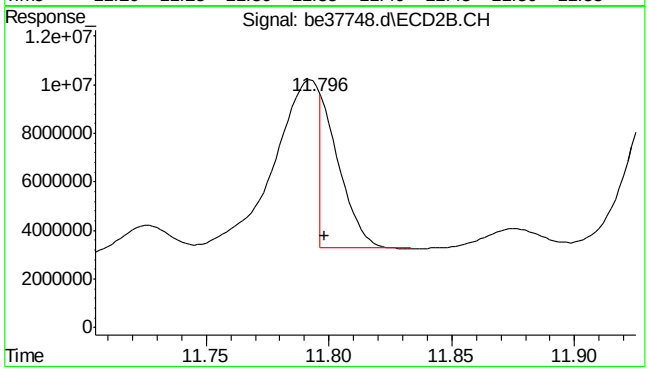
#1 TCMX

R.T.: 3.599 min
Delta R.T.: 0.004 min
Response: 15934755
Conc: 8.48 ppb m



#38 DCB

R.T.: 11.377 min
Delta R.T.: -0.002 min
Response: 50635954
Conc: 26.01 ppb m



#38 DCB

R.T.: 11.796 min
Delta R.T.: -0.002 min
Response: 35055875
Conc: 34.25 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Sona Liskova
08/20/13 17:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130816\
Data File : BK28100.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Aug 2013 7:50 am
Operator : nickk
Sample : mc23456-5,op34373
Misc : op34373,gbk956,20.68,,,10,,s
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 14:47:06 2013
Quant Method : C:\msdchem\1\METHODS\PC130816.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.401	2.374	5544.5E6	105.0E6	21.408m	14.086m#
	Spiked Amount 40.000			Recovery	=	53.52%	35.22%
13) s	DCB	9.250	9.883	6787.3E6	126.8E6	19.330m	14.951
	Spiked Amount 40.000			Recovery	=	48.32%	37.38%
	Target Compounds						
32)	AR1254-A	4.346f	4.641	168968.8E6	6738.9E6	8874.966m	17245.295m#
33)	AR1254-B	0.000	4.868	0	10851.9E6	N.D. d	19899.158m
34)	AR1254-C	0.000	5.461	0	20081.0E6	N.D. d	21679.864m
35)	AR1254-D	5.487f	5.764	64941.0E6	10100.9E6	4786.048m	19173.725m#
36)	AR1254-E	6.107f	6.517	100323.2E6	11441.5E6	4921.777m	25284.984m#

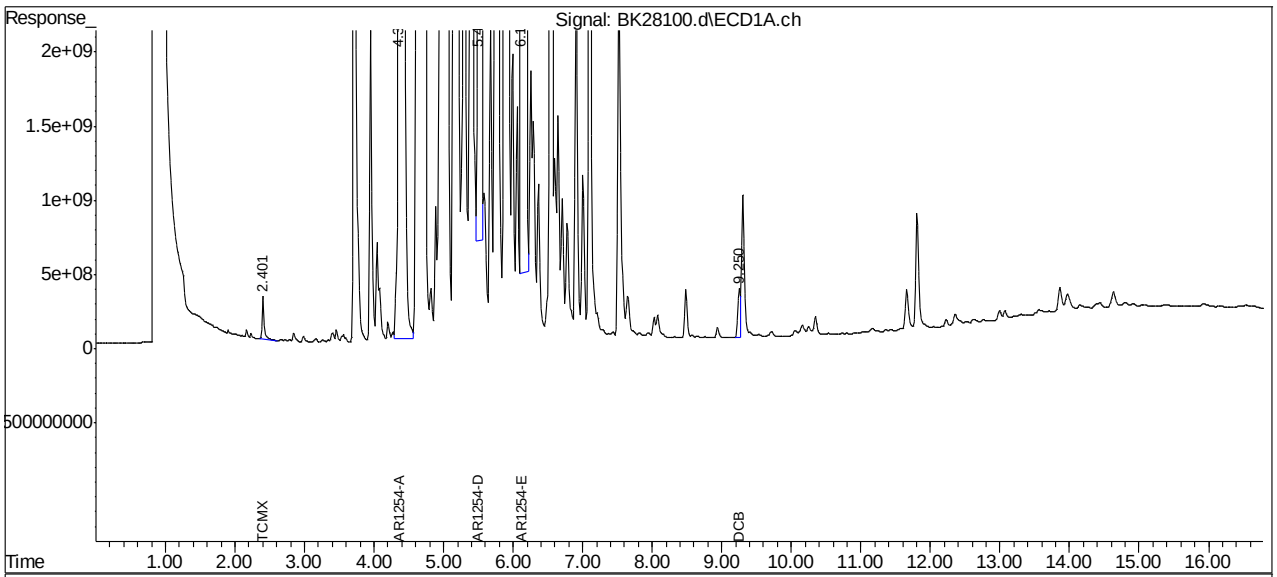
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

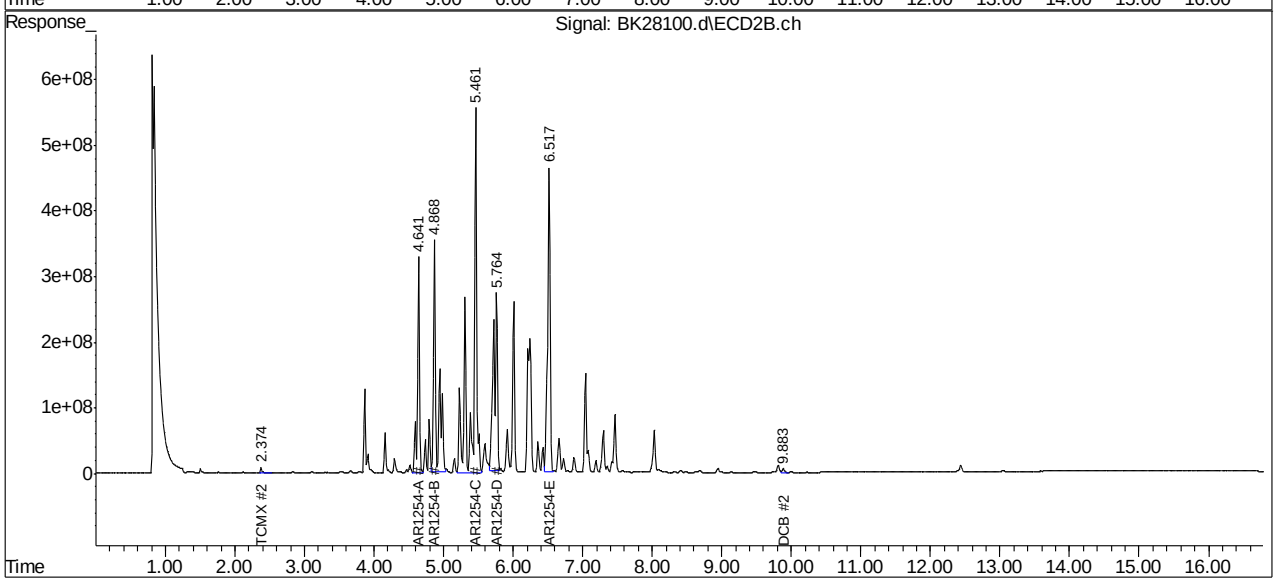
Quantitation Report (QT Reviewed)

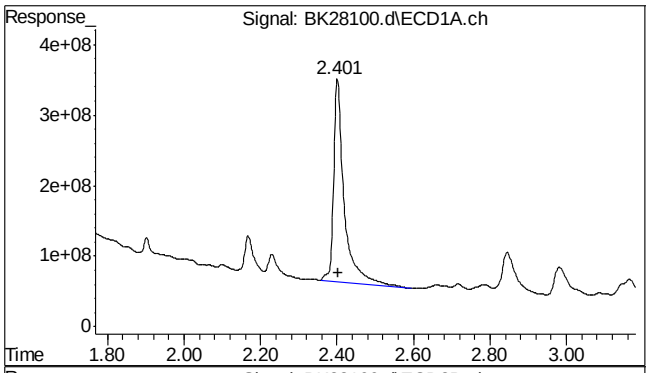
Data Path : C:\msdchem\1\DATA\BK130816\
Data File : BK28100.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Aug 2013 7:50 am
Operator : nickk
Sample : mc23456-5,op34373
Misc : op34373,gbk956,20.68,,,10,,s
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 14:47:06 2013
Quant Method : C:\msdchem\1\METHODS\PC130816.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

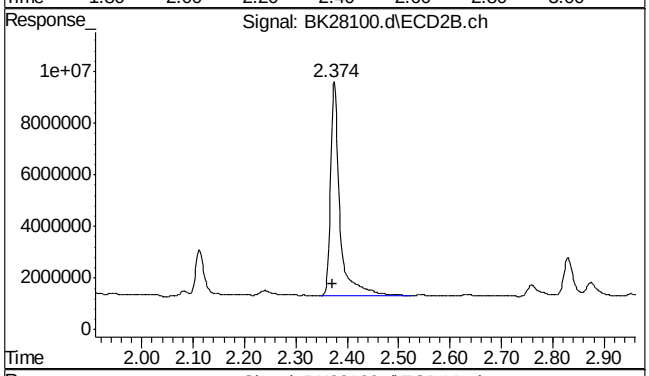






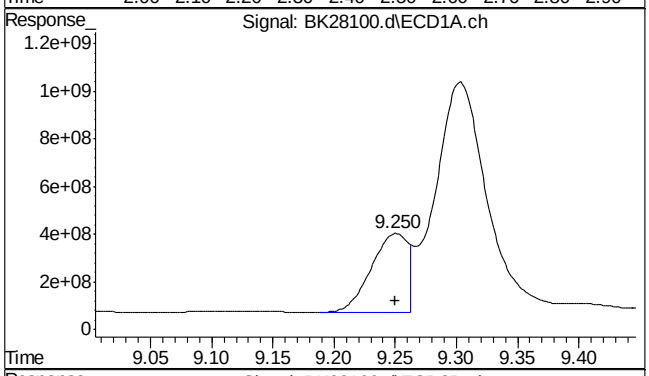
#1 TCMX

R.T.: 2.401 min
Delta R.T.: -0.002 min
Response: 5544484792
Conc: 21.41 ppb m



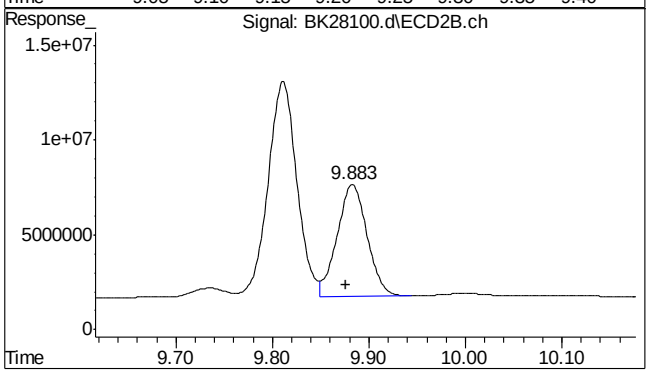
#1 TCMX

R.T.: 2.374 min
Delta R.T.: 0.003 min
Response: 105025159
Conc: 14.09 ppb m



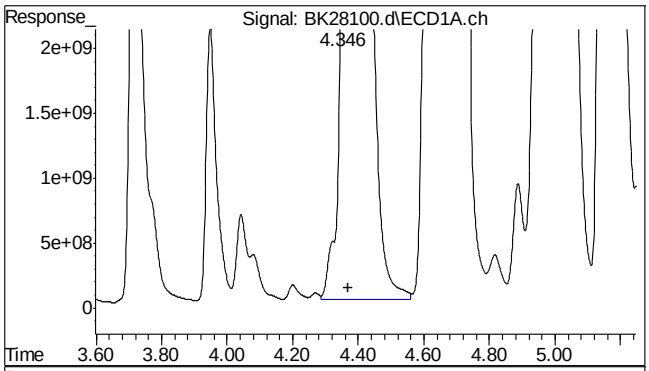
#13 DCB

R.T.: 9.250 min
Delta R.T.: 0.000 min
Response: 6787289254
Conc: 19.33 ppb m



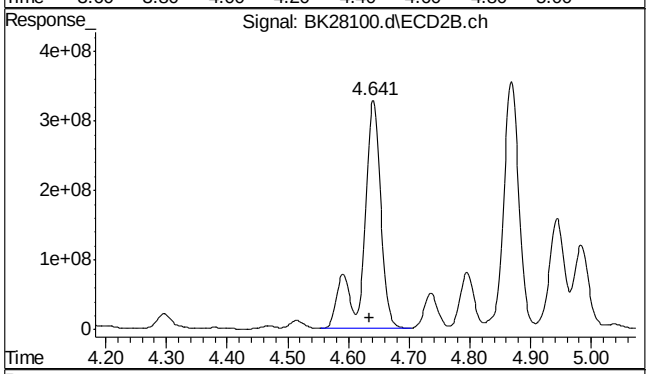
#13 DCB

R.T.: 9.883 min
Delta R.T.: 0.007 min
Response: 126811065
Conc: 14.95 ppb



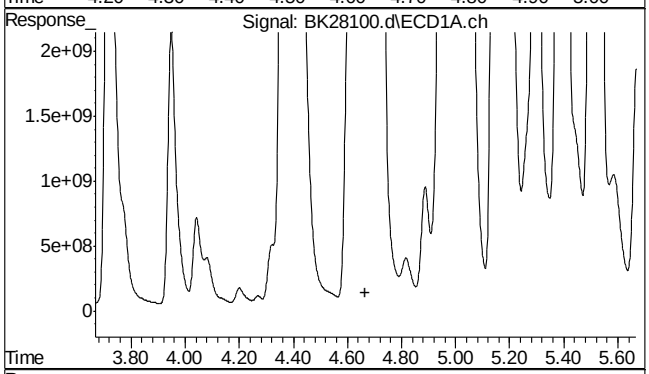
#32 AR1254-A

R.T.: 4.346 min
Delta R.T.: -0.023 min
Response: 1.68969e+011
Conc: 8874.97 ppb m



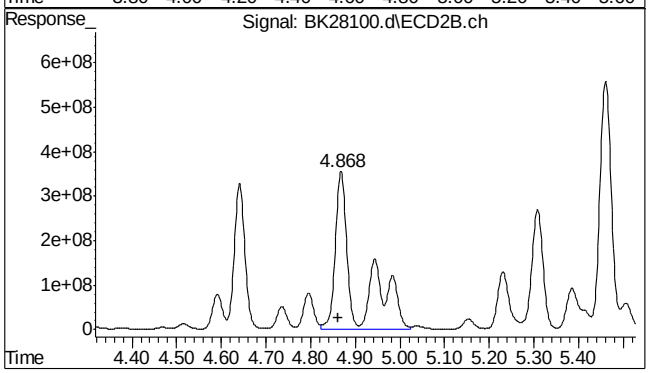
#32 AR1254-A

R.T.: 4.641 min
Delta R.T.: 0.005 min
Response: 6738870194
Conc: 17245.30 ppb m



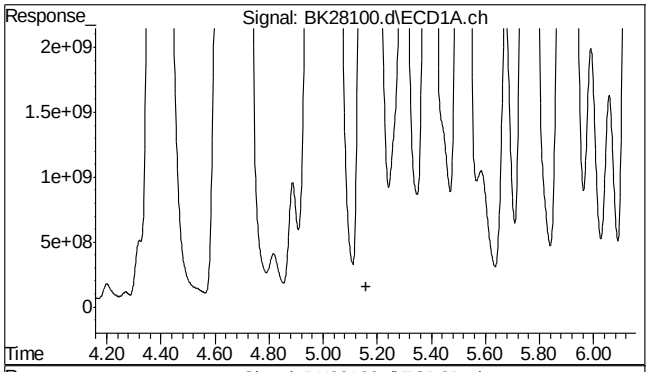
#33 AR1254-B

R.T.: 0.000 min
Exp R.T. : 4.667 min
Response: 0
Conc: N.D.



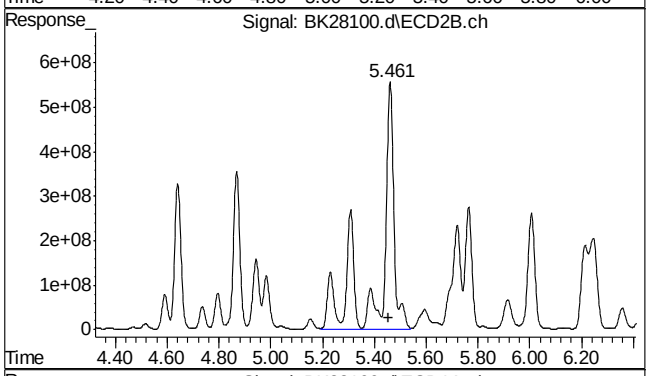
#33 AR1254-B

R.T.: 4.868 min
Delta R.T.: 0.006 min
Response: 10851863783
Conc: 19899.16 ppb m



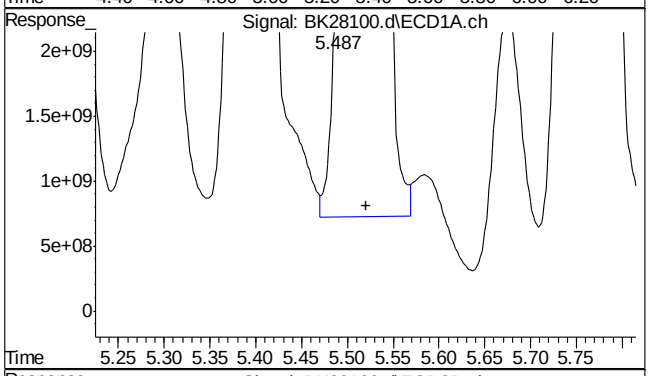
#34 AR1254-C

R.T.: 0.000 min
Exp R.T. : 5.158 min
Response: 0
Conc: N.D.



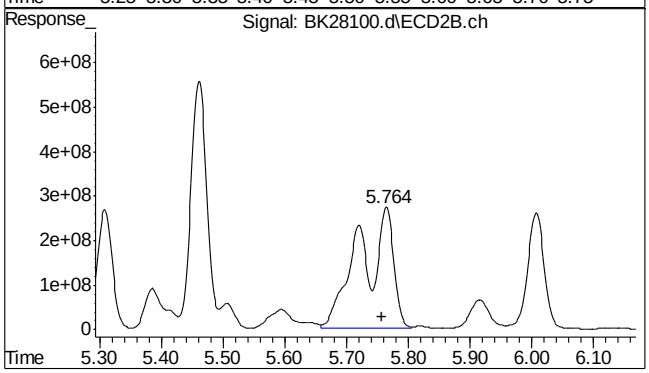
#34 AR1254-C

R.T.: 5.461 min
Delta R.T.: 0.006 min
Response: 20081033679
Conc: 21679.86 ppb m



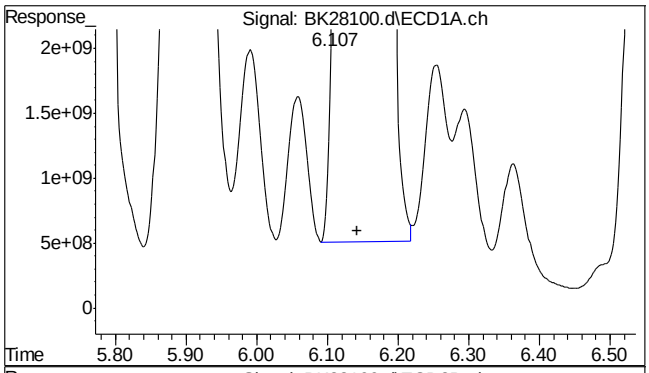
#35 AR1254-D

R.T.: 5.487 min
Delta R.T.: -0.032 min
Response: 64940983716
Conc: 4786.05 ppb m



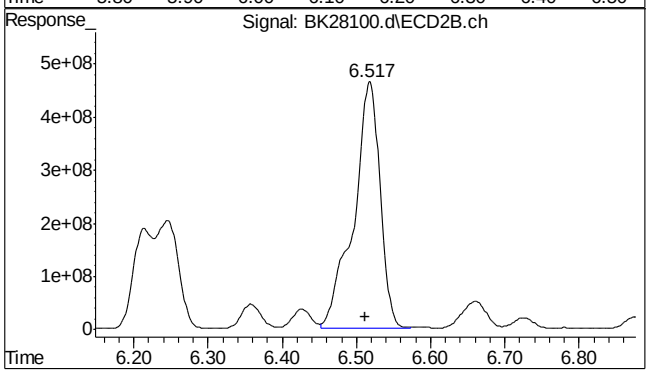
#35 AR1254-D

R.T.: 5.764 min
Delta R.T.: 0.006 min
Response: 10100892883
Conc: 19173.73 ppb m



#36 AR1254-E

R.T.: 6.107 min
Delta R.T.: -0.035 min
Response: 1.00323e+011
Conc: 4921.78 ppb m



#36 AR1254-E

R.T.: 6.517 min
Delta R.T.: 0.006 min
Response: 11441544450
Conc: 25284.98 ppb m

9.1.2

9

Manual Integrations APPROVED (compounds with "m" flag)
Sona Liskova 08/20/13 17:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28145.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 4:34 pm
Operator : nickk
Sample : mc23456-5,1:100 op34373
Misc : op34373,gbk960,20.68,,,10,100,s
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 15:10:10 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 20 14:22:45 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
	Target Compounds						
32)	AR1254-A	4.365	4.639	5383.3E6	100.1E6	288.227m	292.659m
33)	AR1254-B	4.662	4.868	8554.6E6	148.0E6	333.642m	287.967m
34)	AR1254-C	5.153	5.461	12865.8E6	286.5E6	350.263m	350.626m
35)	AR1254-D	5.514	5.718f	3934.9E6	142.1E6	298.086m	356.550m
36)	AR1254-E	6.135	6.518	7958.3E6	158.9E6	415.229m	417.478

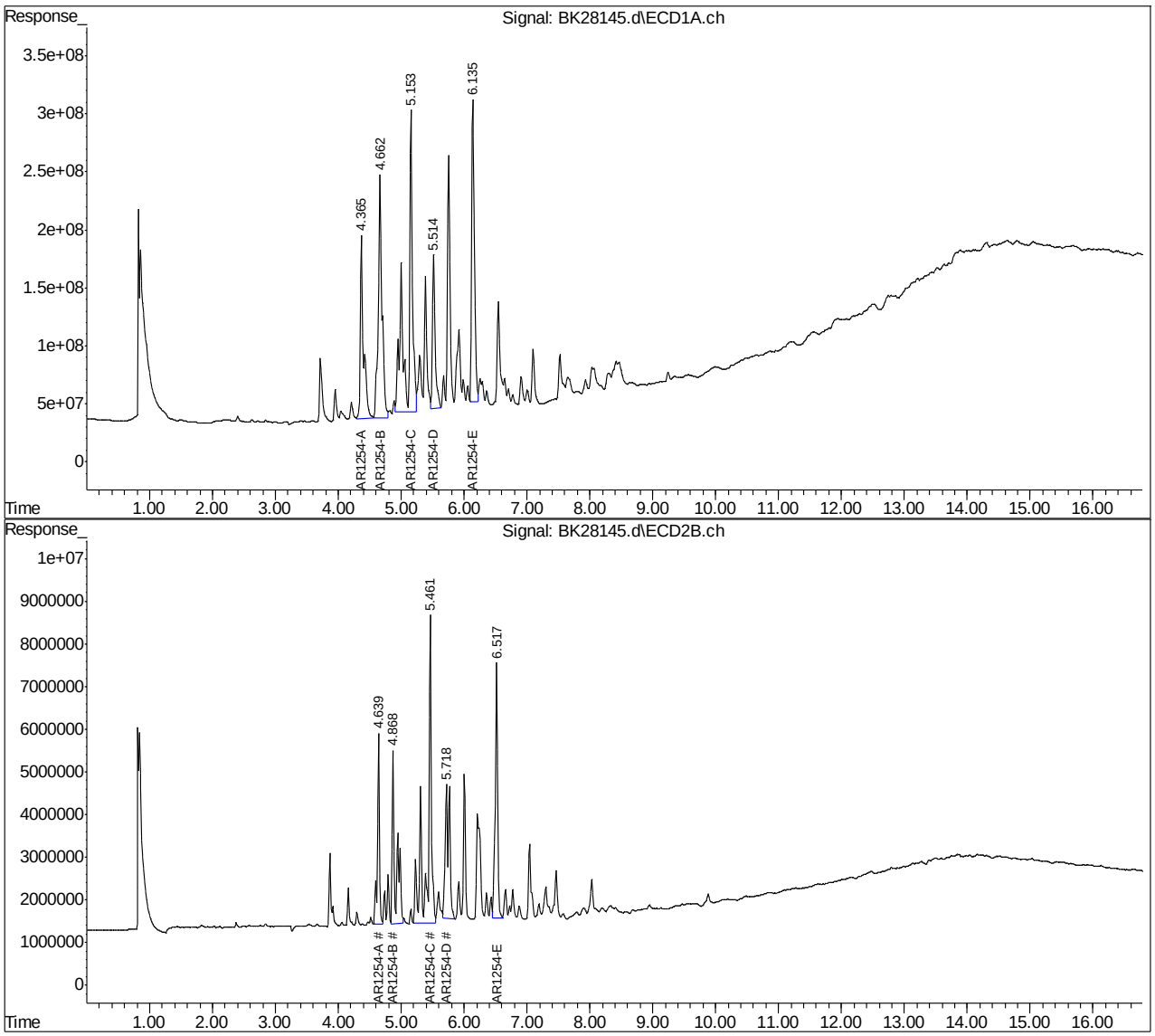
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

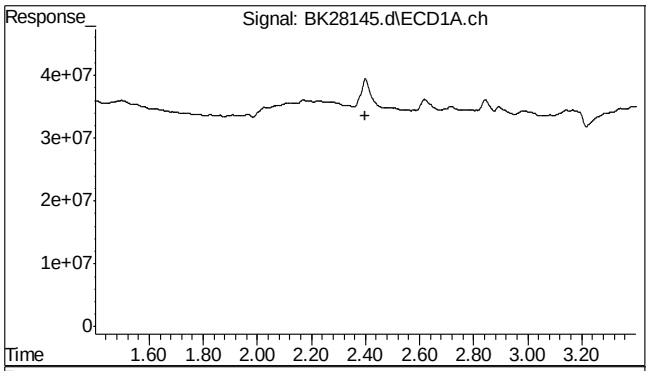
Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28145.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 4:34 pm
Operator : nickk
Sample : mc23456-5,1:100 op34373
Misc : op34373,gbk960,20.68,,,10,100,s
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 15:10:10 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 20 14:22:45 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

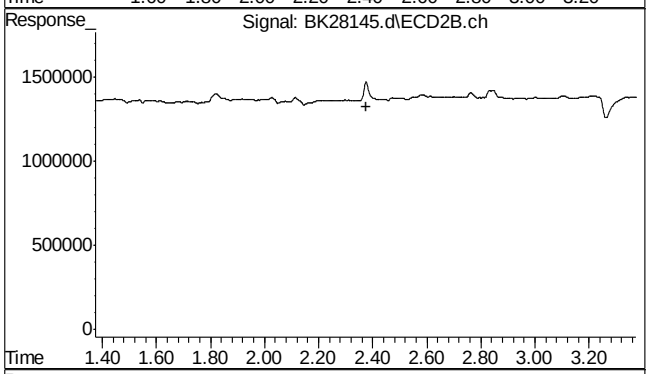


PC130819.M Tue Aug 20 15:26:55 2013 Page: 2



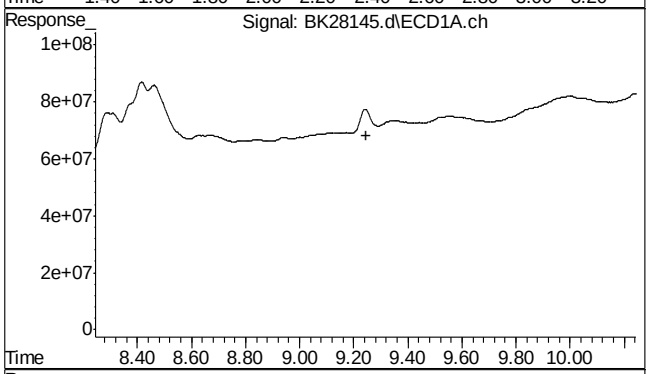
#1 TCMX

R.T.: 0.000 min
Exp R.T. : 2.400 min
Response: 0
Conc: N.D.



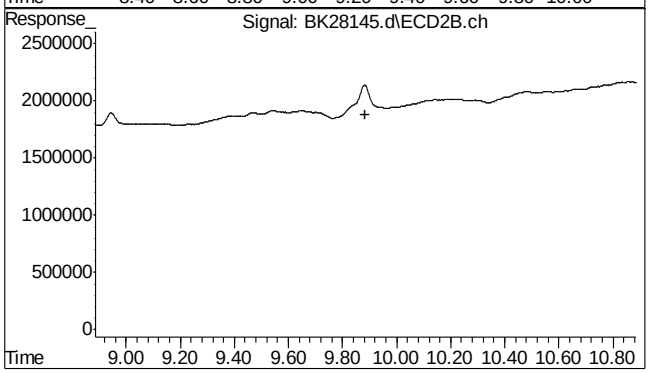
#1 TCMX

R.T.: 0.000 min
Exp R.T. : 2.374 min
Response: 0
Conc: N.D.



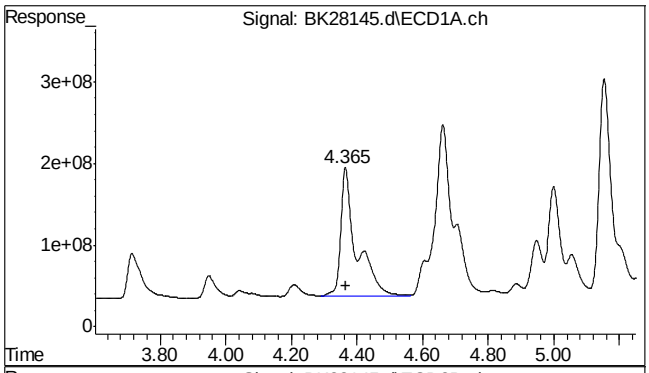
#13 DCB

R.T.: 0.000 min
Exp R.T. : 9.244 min
Response: 0
Conc: N.D.



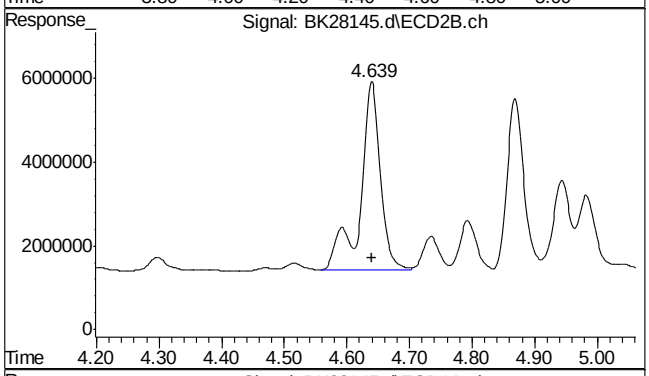
#13 DCB

R.T.: 0.000 min
Exp R.T. : 9.885 min
Response: 0
Conc: N.D.



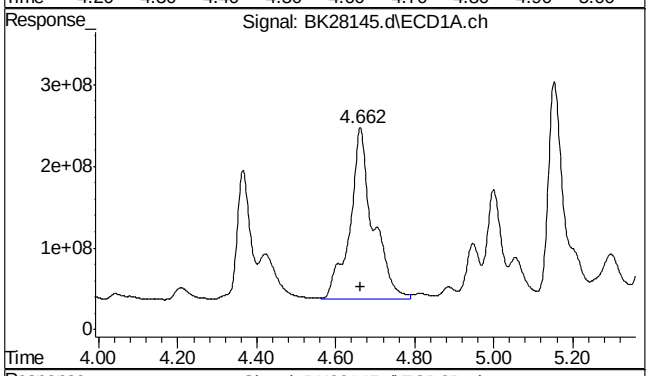
#32 AR1254-A

R.T.: 4.365 min
Delta R.T.: -0.002 min
Response: 5383329303
Conc: 288.23 ppb m



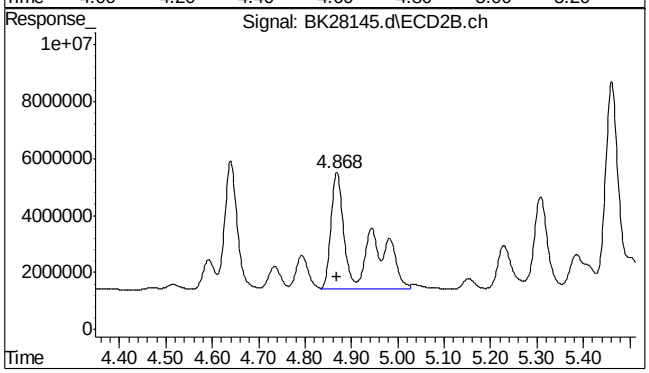
#32 AR1254-A

R.T.: 4.639 min
Delta R.T.: 0.000 min
Response: 100060618
Conc: 292.66 ppb m



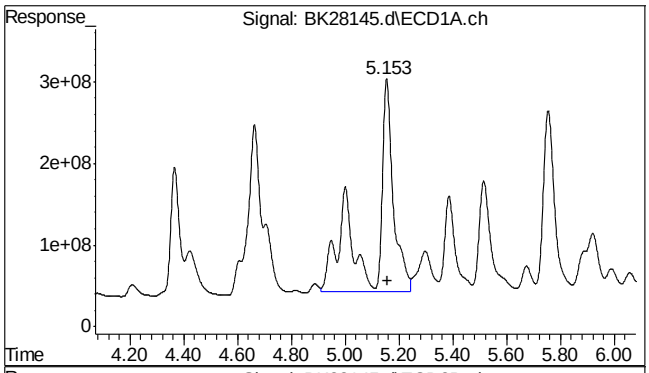
#33 AR1254-B

R.T.: 4.662 min
Delta R.T.: -0.002 min
Response: 8554606657
Conc: 333.64 ppb m



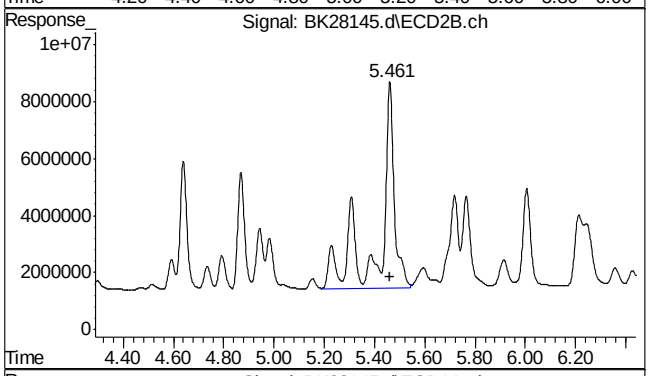
#33 AR1254-B

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 147964871
Conc: 287.97 ppb m



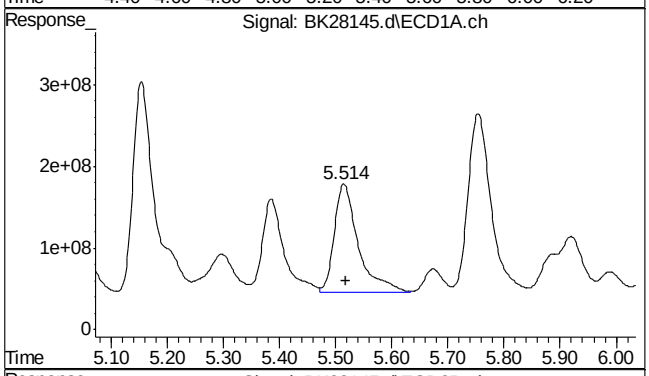
#34 AR1254-C

R.T.: 5.153 min
Delta R.T.: -0.003 min
Response: 12865838810
Conc: 350.26 ppb m



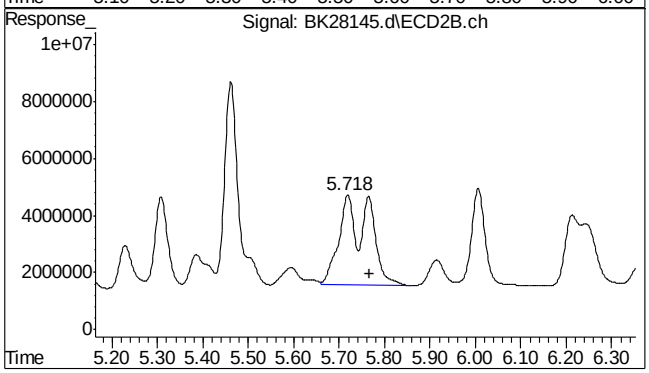
#34 AR1254-C

R.T.: 5.461 min
Delta R.T.: -0.002 min
Response: 286466299
Conc: 350.63 ppb m



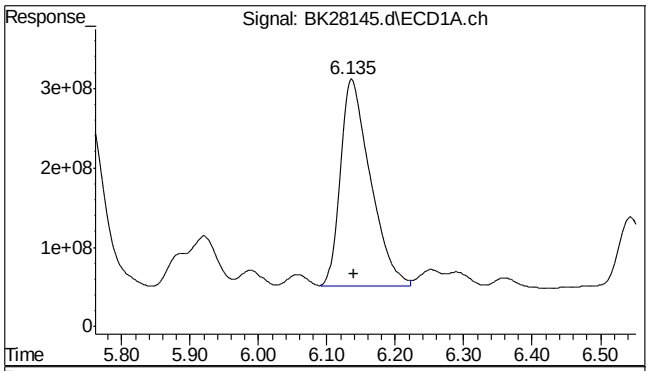
#35 AR1254-D

R.T.: 5.514 min
Delta R.T.: -0.004 min
Response: 3934937452
Conc: 298.09 ppb m



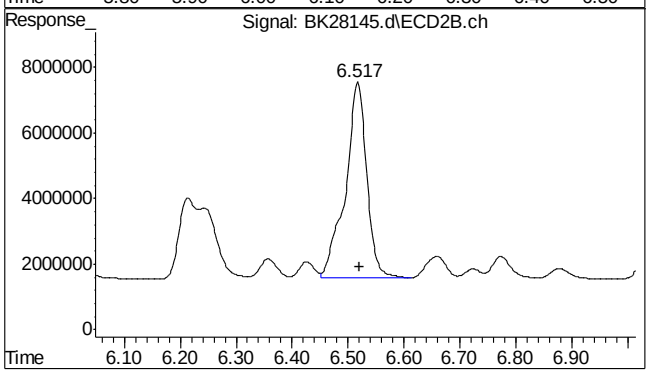
#35 AR1254-D

R.T.: 5.718 min
Delta R.T.: -0.050 min
Response: 142112405
Conc: 356.55 ppb m



#36 AR1254-E

R.T.: 6.135 min
Delta R.T.: -0.005 min
Response: 7958307438
Conc: 415.23 ppb m



#36 AR1254-E

R.T.: 6.518 min
Delta R.T.: -0.002 min
Response: 158921870
Conc: 417.48 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130816\
Data File : be37697.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16-Aug-13, 18:18:42
Operator : nickk
Sample : op34379-mb
Misc : op34379,gbe1962,15.65,,,10,,s
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 08:01:11 2013
Quant Method : C:\msdchem\1\methods\PT130816.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1)	s TCMX	3.639	3.599	65921851	47228859	22.883	25.119m
	Spiked Amount 40.000			Recovery	=	57.21%	62.80%
38)	s DCB	11.377	11.798	50357494	32882489	25.867m	32.126
	Spiked Amount 40.000			Recovery	=	64.67%	80.31%
	Target Compounds						

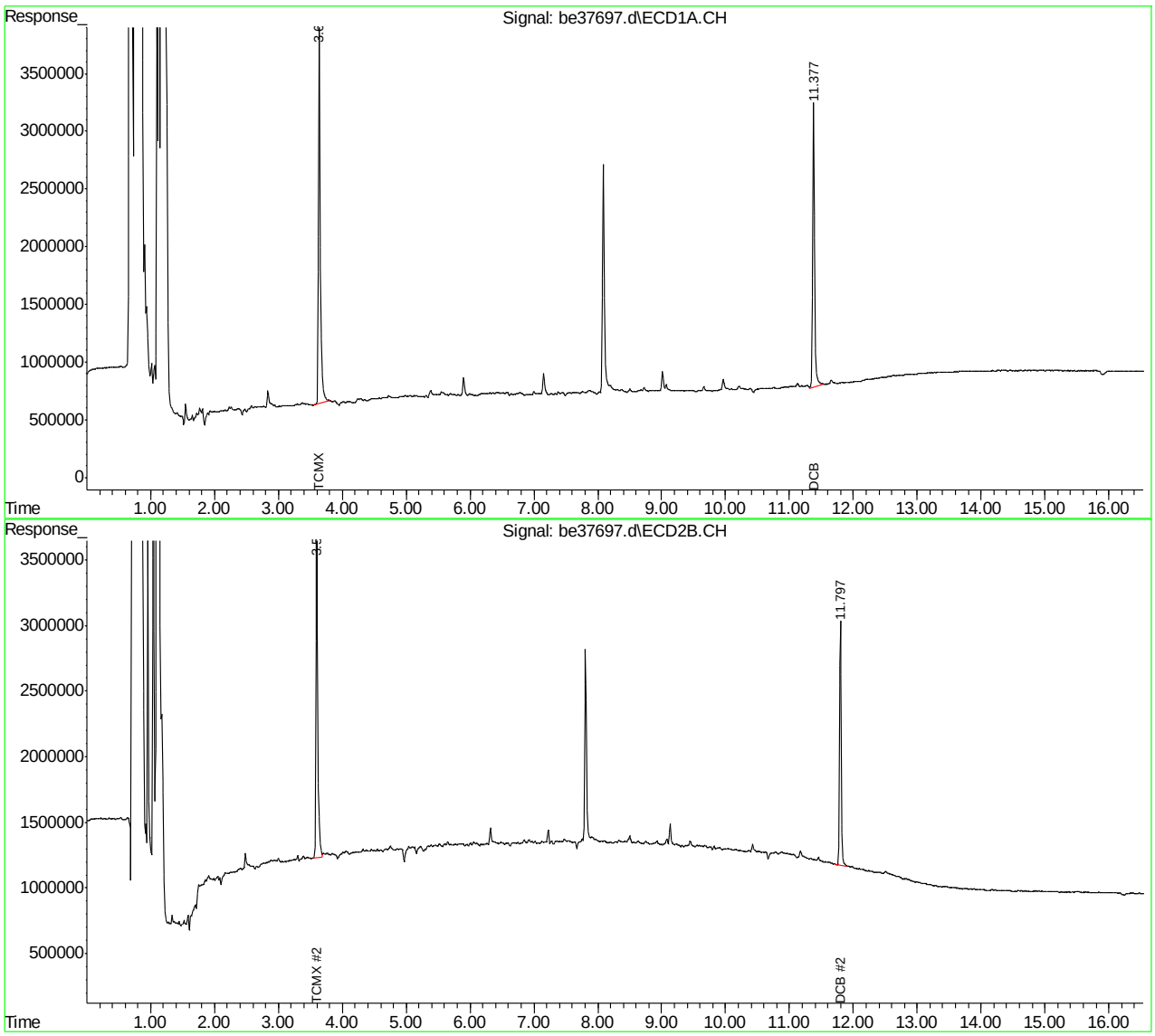
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

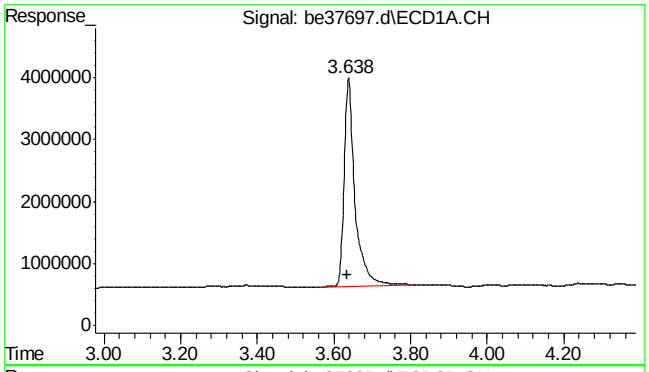
Data Path : C:\msdchem\1\data\BE130816\
Data File : be37697.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16-Aug-13, 18:18:42
Operator : nickk
Sample : op34379-mb
Misc : op34379,gbe1962,15.65,,,10,,s
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 08:01:11 2013
Quant Method : C:\msdchem\1\methods\PT130816.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

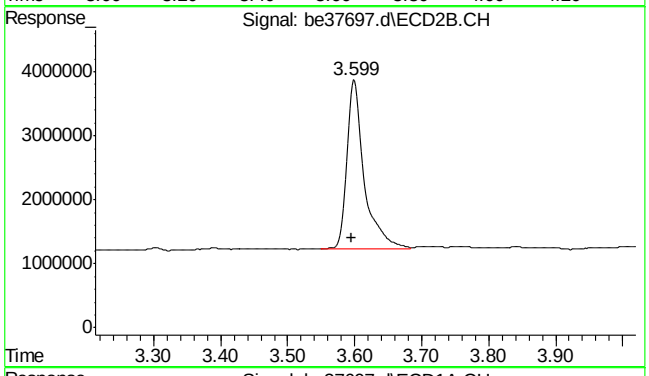


ACCUTEST LABORATORIES MC23456



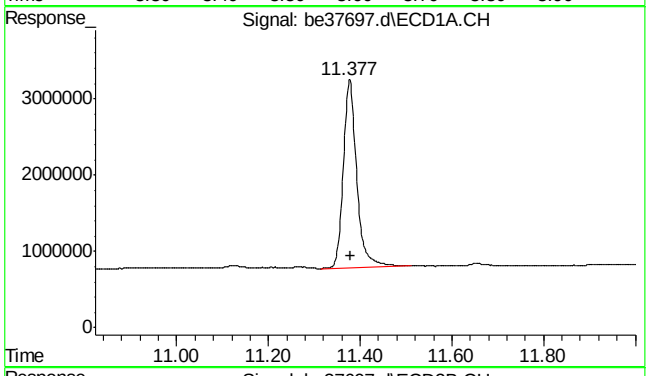
#1 TCMX

R.T.: 3.639 min
Delta R.T.: 0.005 min
Response: 65921851
Conc: 22.88 ppb



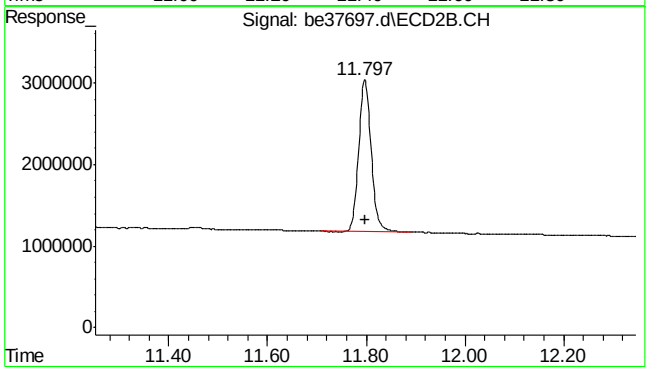
#1 TCMX

R.T.: 3.599 min
Delta R.T.: 0.003 min
Response: 47228859
Conc: 25.12 ppb m



#38 DCB

R.T.: 11.377 min
Delta R.T.: -0.002 min
Response: 50357494
Conc: 25.87 ppb m



#38 DCB

R.T.: 11.798 min
Delta R.T.: 0.000 min
Response: 32882489
Conc: 32.13 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/19/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130816\
Data File : BK28095.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Aug 2013 6:15 am
Operator : nickk
Sample : op34373-mb
Misc : op34373,gbk956,15.65,,,10,,s
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 14:36:19 2013
Quant Method : C:\msdchem\1\METHODS\PC130816.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1)	s TCMX	2.400	2.374	9442.1E6	215.2E6	36.457m	28.861m
	Spiked Amount 40.000			Recovery	=	91.14%	72.15%
13)	s DCB	9.242	9.881	12806.2E6	242.5E6	38.257m	29.566m
	Spiked Amount 40.000			Recovery	=	95.64%	73.91%
	Target Compounds						

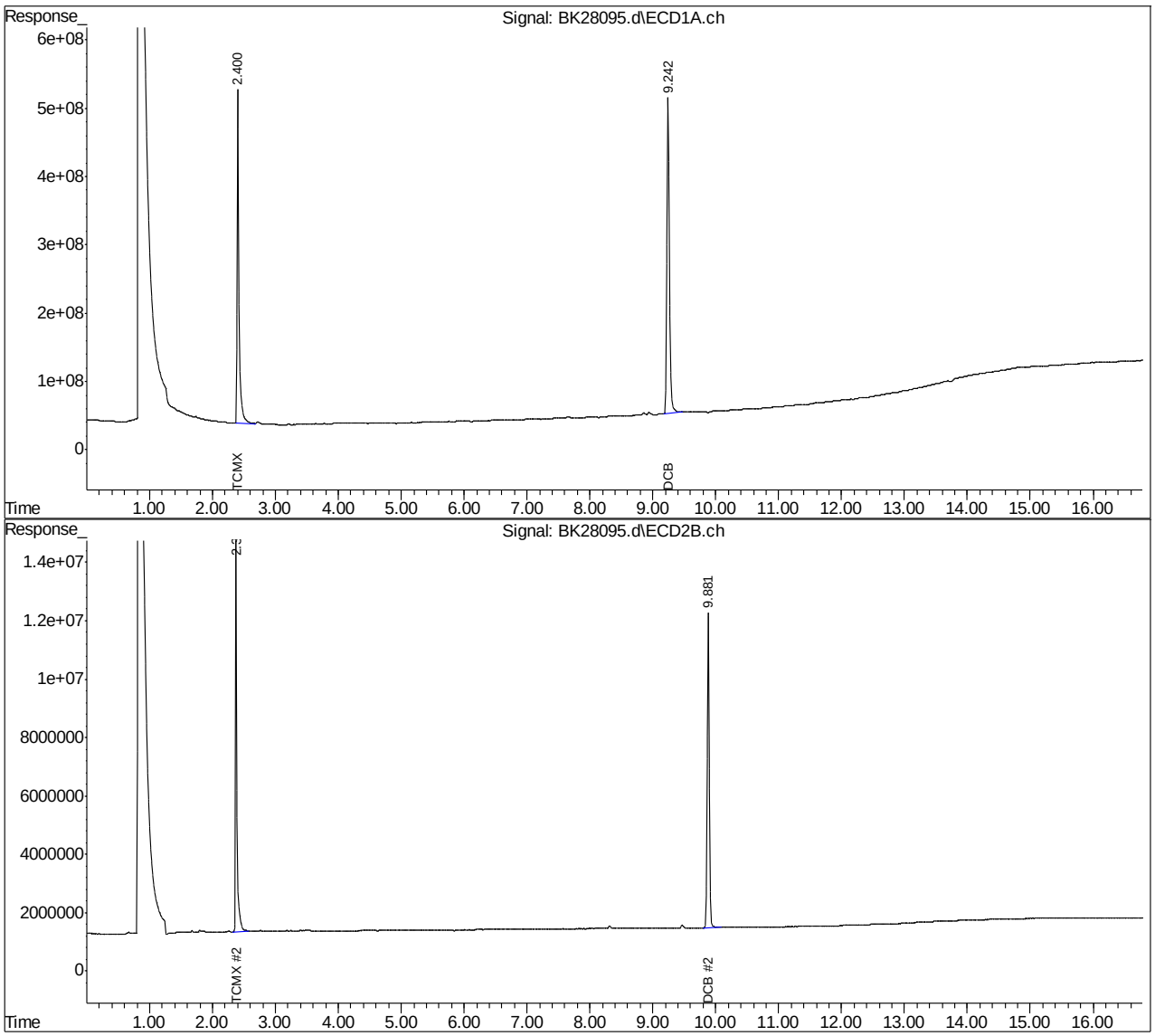
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

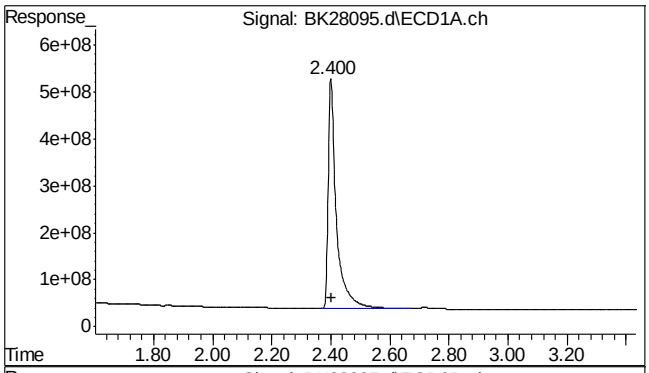
Data Path : C:\msdchem\1\DATA\BK130816\
Data File : BK28095.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Aug 2013 6:15 am
Operator : nickk
Sample : op34373-mb
Misc : op34373,gbk956,15.65,,,10,,s
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 14:36:19 2013
Quant Method : C:\msdchem\1\METHODS\PC130816.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

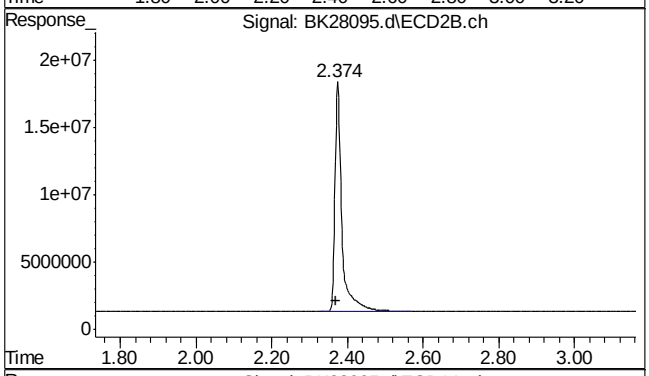


ACCUTEST LABORATORIES MC23456



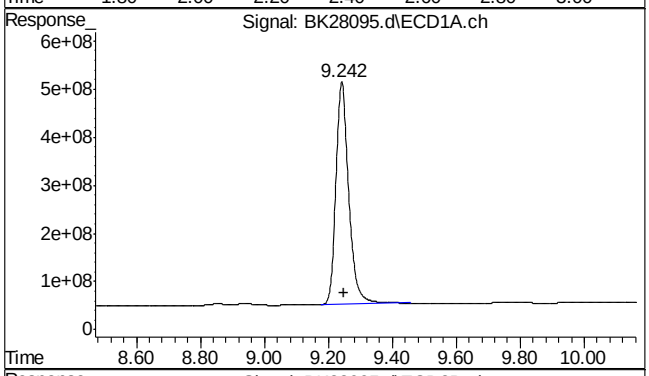
#1 TCMX

R.T.: 2.400 min
Delta R.T.: -0.003 min
Response: 9442107278
Conc: 36.46 ppb m



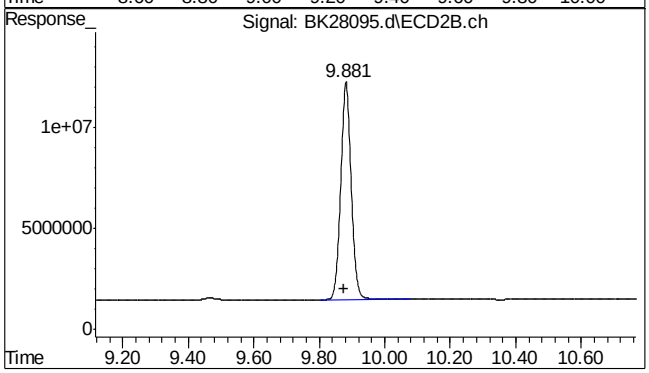
#1 TCMX

R.T.: 2.374 min
Delta R.T.: 0.003 min
Response: 215188767
Conc: 28.86 ppb m



#13 DCB

R.T.: 9.242 min
Delta R.T.: -0.008 min
Response: 12806169204
Conc: 38.26 ppb m



#13 DCB

R.T.: 9.881 min
Delta R.T.: 0.005 min
Response: 242464158
Conc: 29.57 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130816\
Data File : be37698.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16-Aug-13, 18:39:26
Operator : nickk
Sample : op34379-bs
Misc : op34379,gbe1962,15.53,,,10,,s
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 08:04:49 2013
Quant Method : C:\msdchem\1\methods\PT130816.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.634	3.598	69417078	47528133	24.096m	25.278m
	Spiked Amount 40.000			Recovery =		60.24%	63.20%
38) s	DCB	11.375	11.798	47406460	33656982	24.351m	32.882 #
	Spiked Amount 40.000			Recovery =		60.88%	82.20%
	Target Compounds						
2)	Hexachlor...	4.236	4.320	63007668	43491235	14.642m	15.465m
3)	Alpha-BHC	4.494	4.543	59770986	43948266	12.690m	13.637m
4)	Gamma-BHC	4.978	5.086	55378625	40389415	13.057m	13.665
5)	Beta-BHC	5.109	5.220	24692955	17305238	14.000m	14.049m
6)	Heptachlor	5.689	5.723	58164955	39593271	14.239m	15.005m
7)	Delta-BHC	5.376	5.652	50542371	36096000	12.130m	12.390m
8)	Alachlor	6.353	6.078	43372698	30879903	138.103	146.744m
9)	Aldrin	6.128	6.186	54646459	38604425	14.442m	14.821
10)	Heptachlo...	6.998	7.004	48389028	33766494	14.386m	16.683
11)	Gamma-Chl...	7.173	7.265	51201108	33393476	14.804m	14.774
12)	Alpha-Chl...	7.360	7.468	45183297	32251595	14.407	15.373m
13)	Endosulfan-I	7.548	7.541	46195119	31136087	14.972	16.093
14)	4,4'-DDE	7.477	7.719	40649699	30346468	14.139	15.487m
15)	Dieldrin	7.879	7.918	47005335	35008161	14.476	16.188
16)	Endrin	8.197	8.332	43838243	30589335	16.102	16.586m
17)	4,4'-DDD	8.295	8.504	32231111	23301013	14.424m	15.342m
18)	Endosulfa...	8.500	8.621	37154363	27280826	14.391m	15.935
19)	4,4'-DDT	8.675	8.923	35181376	25953050	14.174	16.557
20)	Endrin Al...	9.071	9.079	26925653	20002013	12.990	14.857m
21)	Endosulfa...	9.657	9.448	31775837	25289545	14.176m	16.536m
22)	Methoxychlor	9.330	9.858	16602708	12396626	14.676	18.193m
23)	Endrin Ke...	10.033	10.163	35834554	27079228	14.160m	16.785

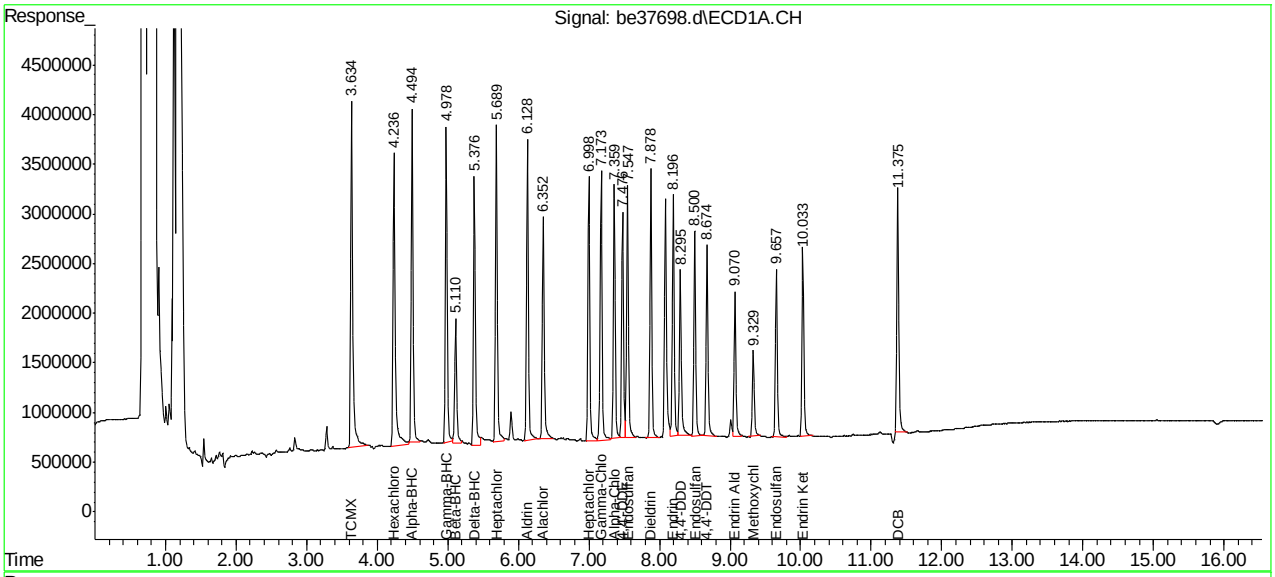
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

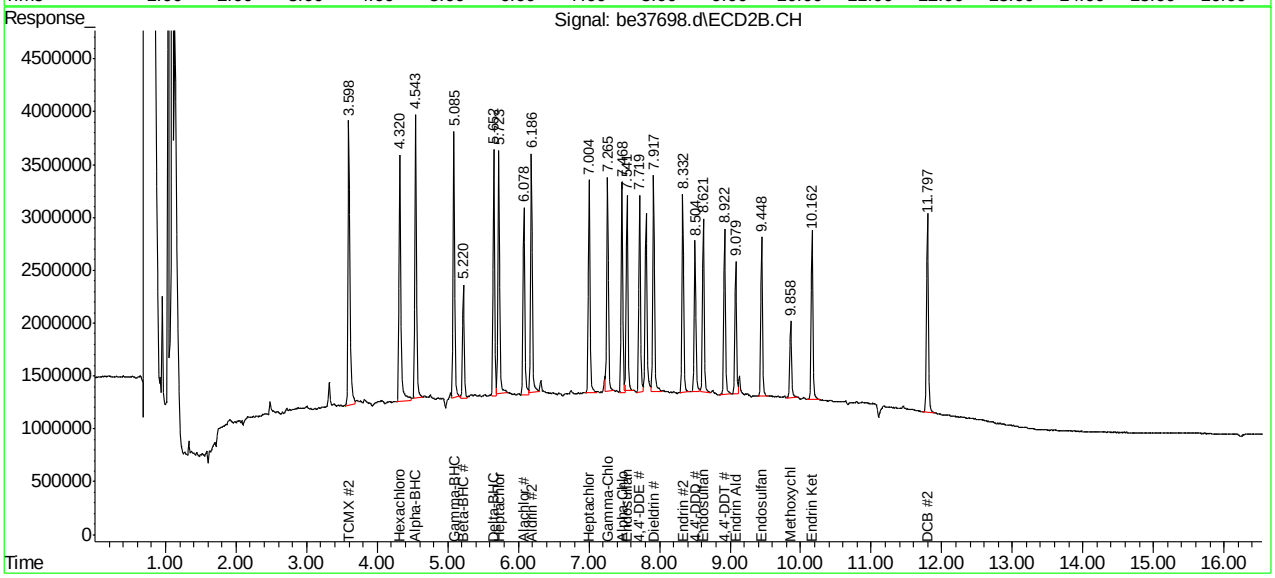
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130816\
Data File : be37698.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16-Aug-13, 18:39:26
Operator : nickk
Sample : op34379-bs
Misc : op34379,gbe1962,15.53,,,10,,s
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

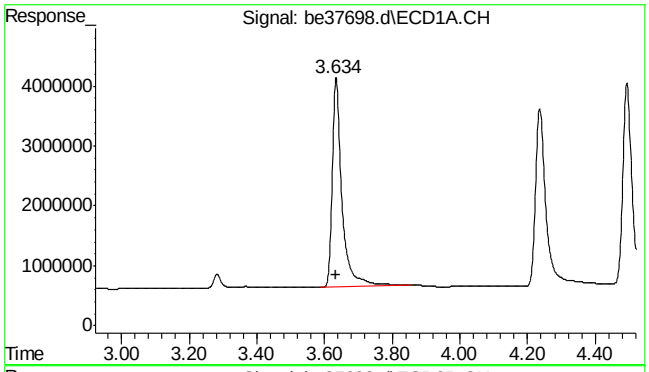
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 08:04:49 2013
Quant Method : C:\msdchem\1\methods\PT130816.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



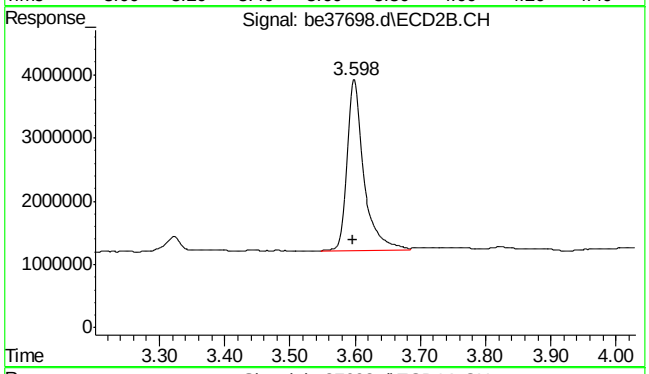


ACCUTEST LABORATORIES MC23456



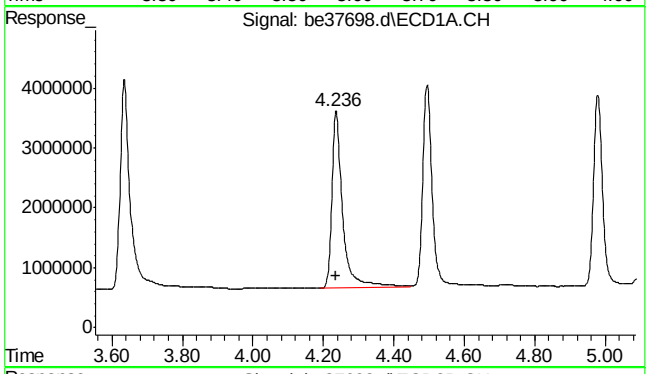
#1 TCMX

R.T.: 3.634 min
Delta R.T.: 0.000 min
Response: 69417078
Conc: 24.10 ppb m



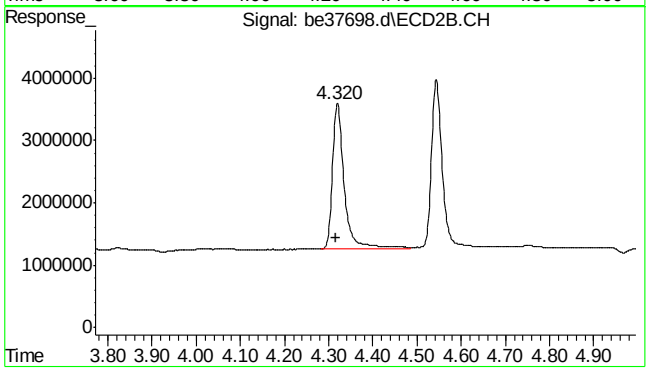
#1 TCMX

R.T.: 3.598 min
Delta R.T.: 0.002 min
Response: 47528133
Conc: 25.28 ppb m



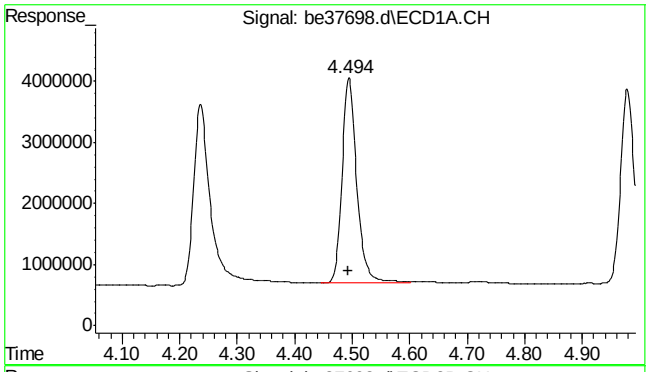
#2 Hexachlorobenzene

R.T.: 4.236 min
Delta R.T.: 0.000 min
Response: 63007668
Conc: 14.64 ppb m



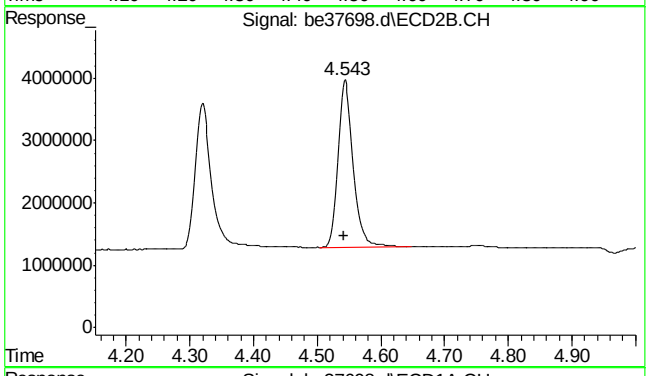
#2 Hexachlorobenzene

R.T.: 4.320 min
Delta R.T.: 0.003 min
Response: 43491235
Conc: 15.47 ppb m



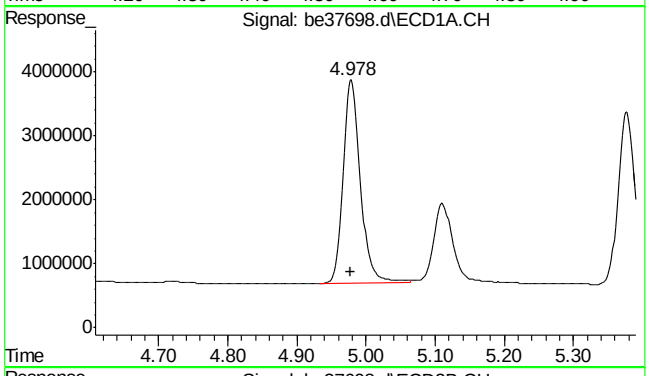
#3 Alpha-BHC

R.T.: 4.494 min
Delta R.T.: 0.000 min
Response: 59770986
Conc: 12.69 ppb m



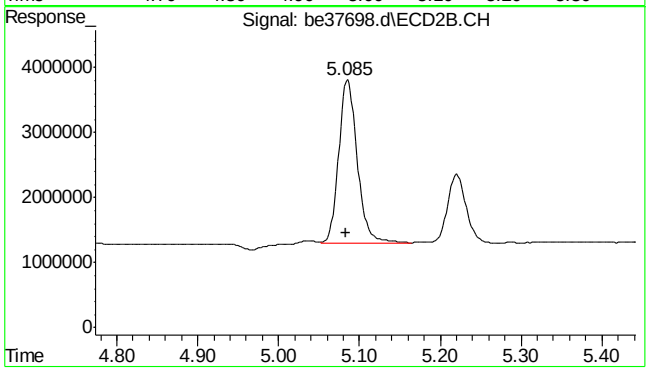
#3 Alpha-BHC

R.T.: 4.543 min
Delta R.T.: 0.001 min
Response: 43948266
Conc: 13.64 ppb m



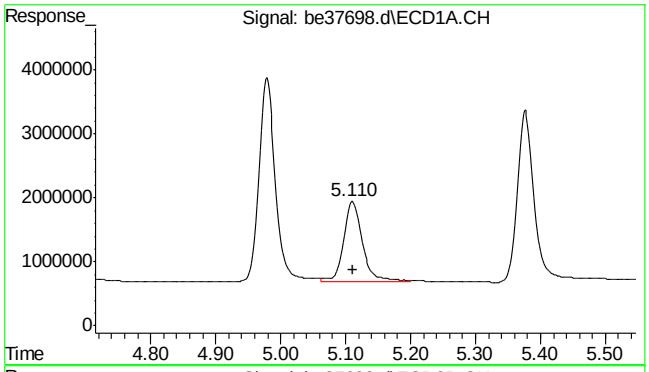
#4 Gamma-BHC

R.T.: 4.978 min
Delta R.T.: 0.000 min
Response: 55378625
Conc: 13.06 ppb m



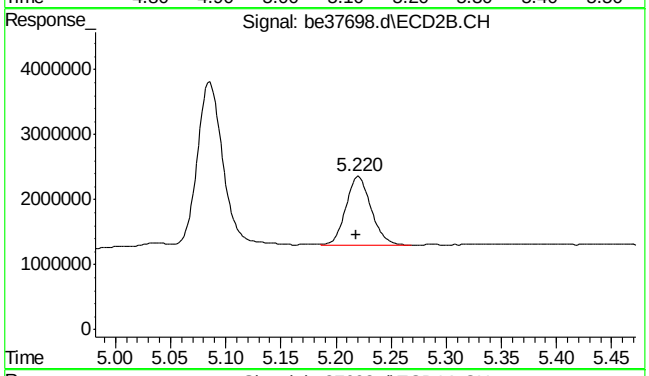
#4 Gamma-BHC

R.T.: 5.086 min
Delta R.T.: 0.002 min
Response: 40389415
Conc: 13.66 ppb



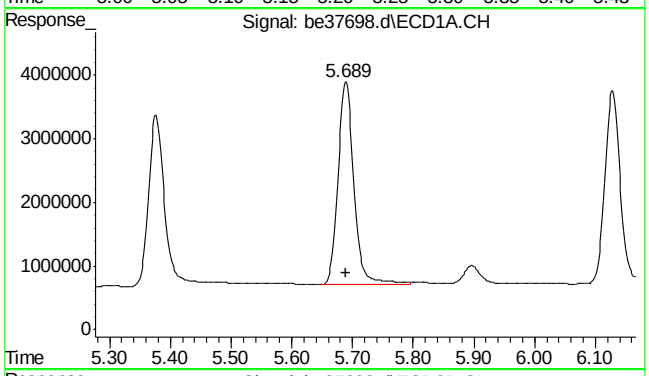
#5 Beta-BHC

R.T.: 5.109 min
Delta R.T.: -0.001 min
Response: 24692955
Conc: 14.00 ppb m



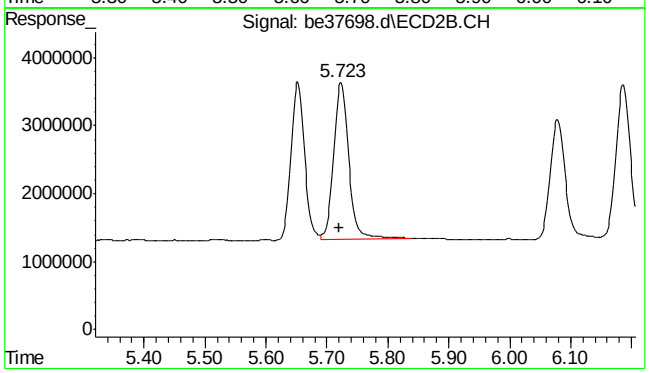
#5 Beta-BHC

R.T.: 5.220 min
Delta R.T.: 0.001 min
Response: 17305238
Conc: 14.05 ppb m



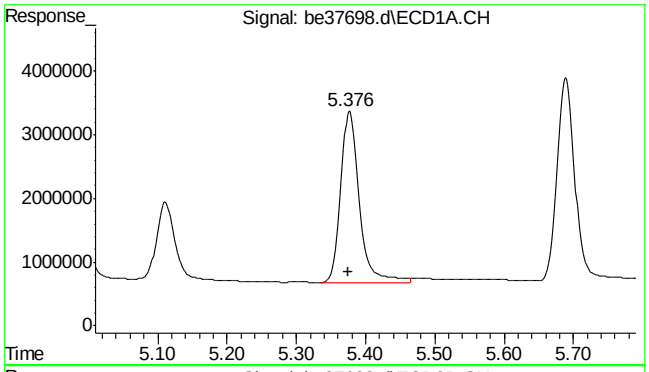
#6 Heptachlor

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 58164955
Conc: 14.24 ppb m



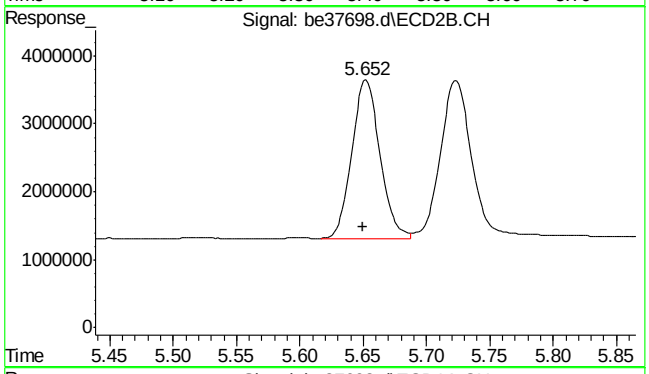
#6 Heptachlor

R.T.: 5.723 min
Delta R.T.: 0.001 min
Response: 39593271
Conc: 15.00 ppb m



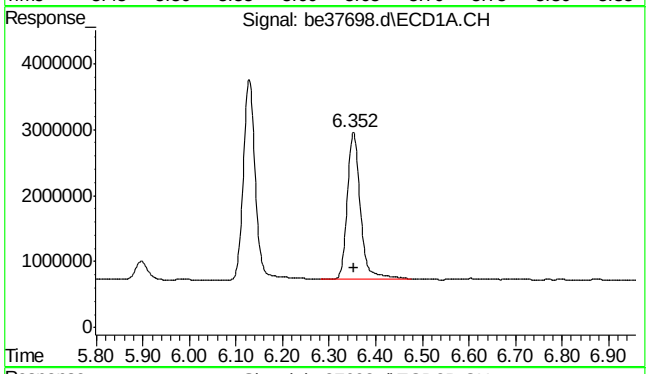
#7 Delta-BHC

R.T.: 5.376 min
Delta R.T.: 0.000 min
Response: 50542371
Conc: 12.13 ppb m



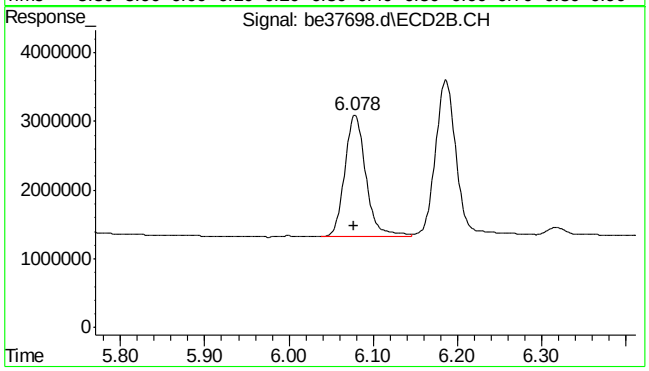
#7 Delta-BHC

R.T.: 5.652 min
Delta R.T.: 0.002 min
Response: 36096000
Conc: 12.39 ppb m



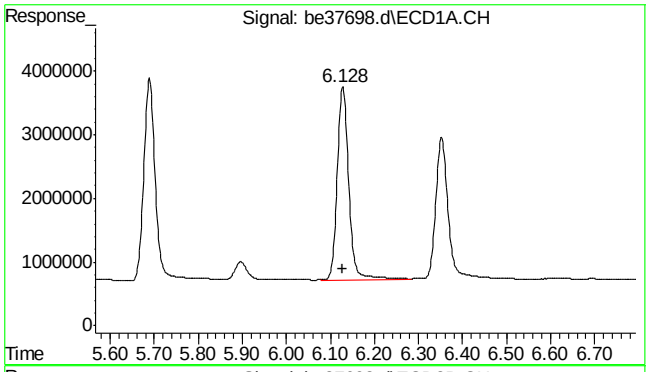
#8 Alachlor

R.T.: 6.353 min
Delta R.T.: 0.000 min
Response: 43372698
Conc: 138.10 ppb



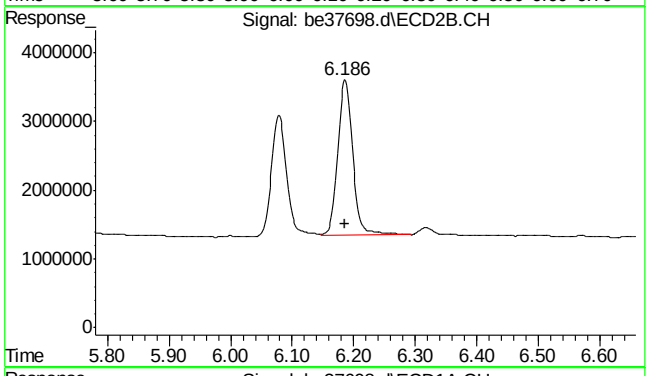
#8 Alachlor

R.T.: 6.078 min
Delta R.T.: 0.000 min
Response: 30879903
Conc: 146.74 ppb m



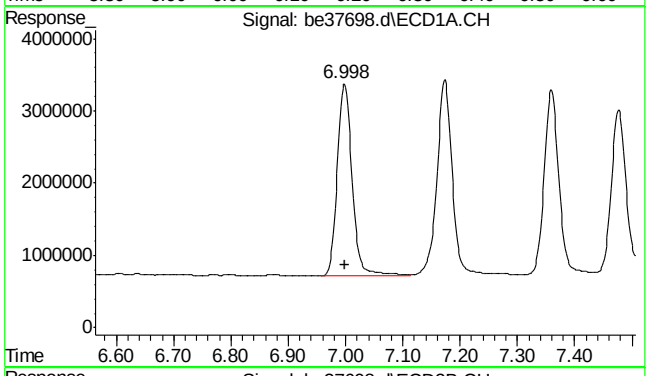
#9 Aldrin

R.T.: 6.128 min
Delta R.T.: 0.000 min
Response: 54646459
Conc: 14.44 ppb m



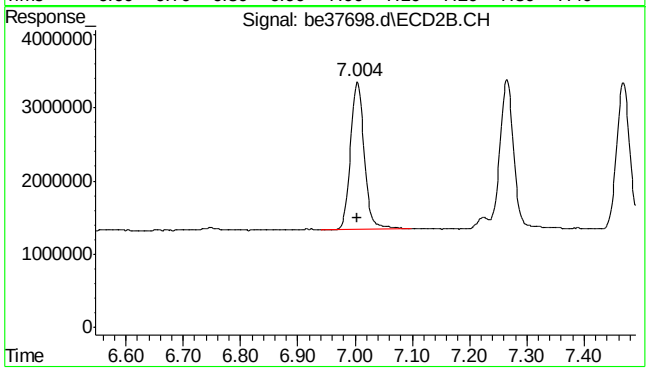
#9 Aldrin

R.T.: 6.186 min
Delta R.T.: 0.001 min
Response: 38604425
Conc: 14.82 ppb



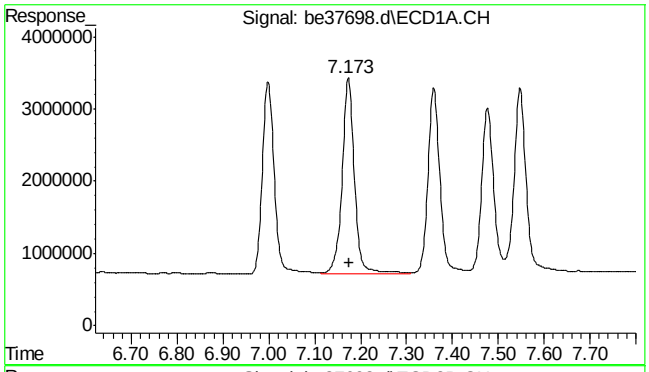
#10 Heptachlor Epoxide

R.T.: 6.998 min
Delta R.T.: -0.001 min
Response: 48389028
Conc: 14.39 ppb m



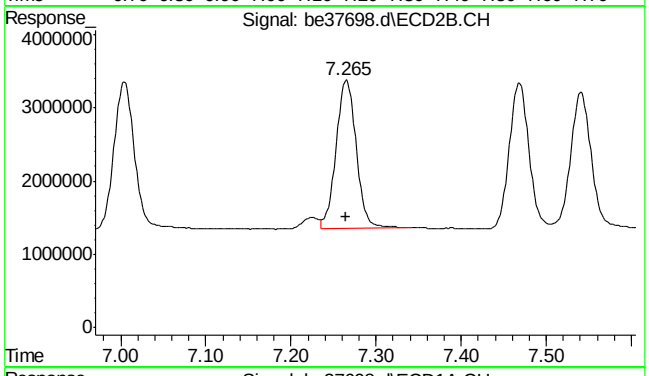
#10 Heptachlor Epoxide

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 33766494
Conc: 16.68 ppb



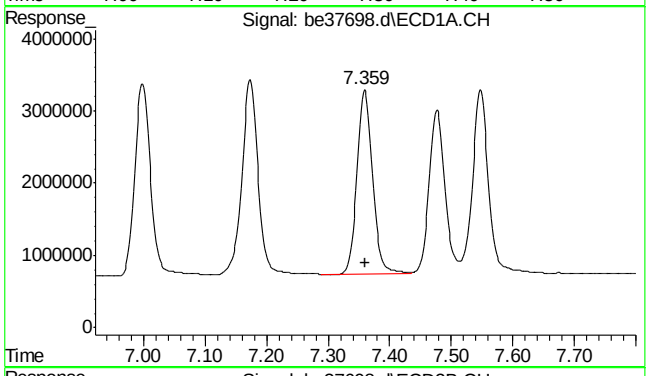
#11 Gamma-Chlordane

R.T.: 7.173 min
Delta R.T.: -0.002 min
Response: 51201108
Conc: 14.80 ppb m



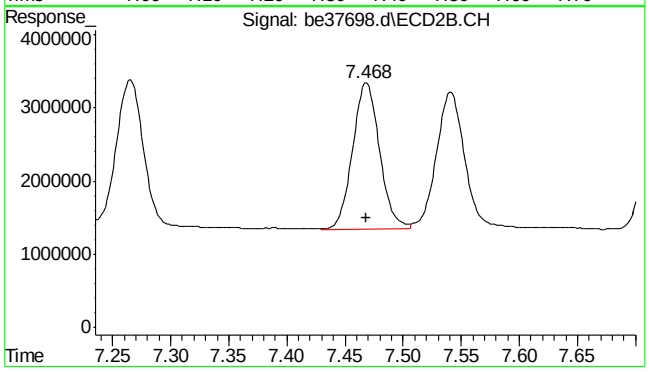
#11 Gamma-Chlordane

R.T.: 7.265 min
Delta R.T.: 0.000 min
Response: 33393476
Conc: 14.77 ppb



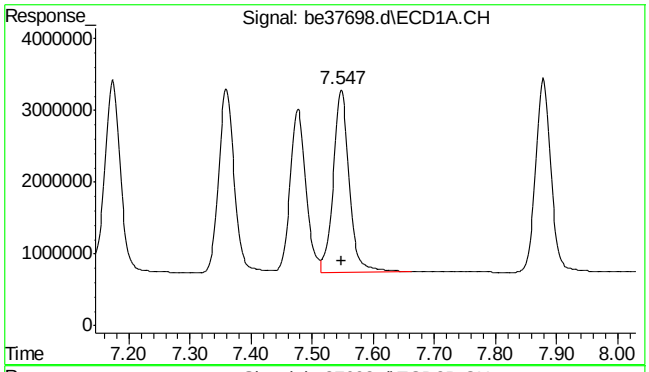
#12 Alpha-Chlordane

R.T.: 7.360 min
Delta R.T.: 0.000 min
Response: 45183297
Conc: 14.41 ppb



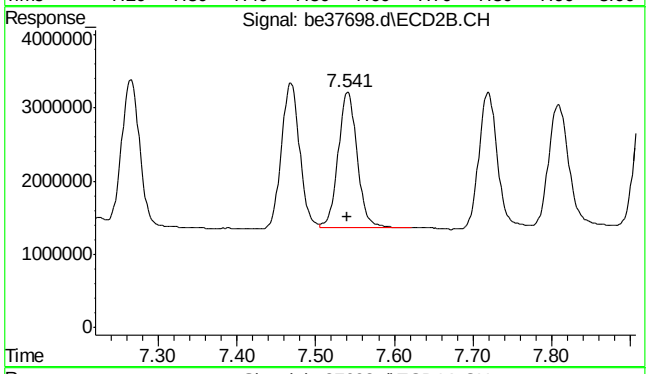
#12 Alpha-Chlordane

R.T.: 7.468 min
Delta R.T.: 0.000 min
Response: 32251595
Conc: 15.37 ppb m



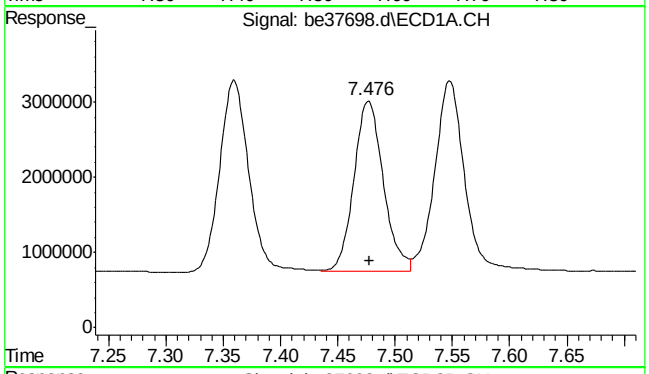
#13 Endosulfan-I

R.T.: 7.548 min
Delta R.T.: 0.000 min
Response: 46195119
Conc: 14.97 ppb



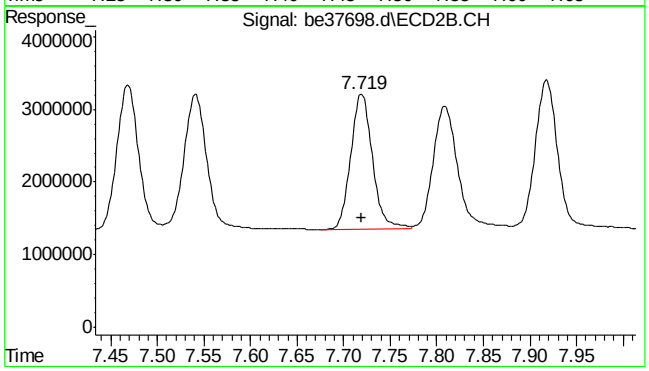
#13 Endosulfan-I

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 31136087
Conc: 16.09 ppb



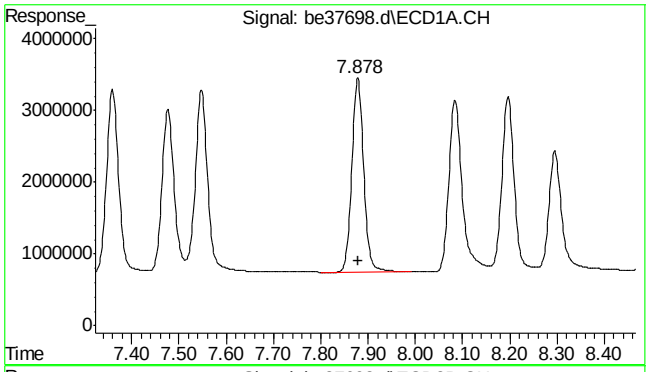
#14 4,4'-DDE

R.T.: 7.477 min
Delta R.T.: 0.000 min
Response: 40649699
Conc: 14.14 ppb



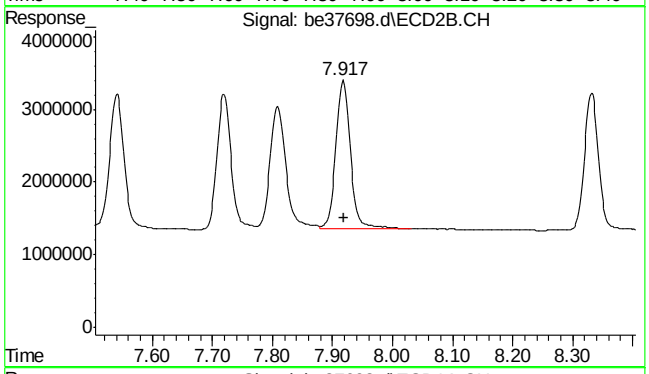
#14 4,4'-DDE

R.T.: 7.719 min
Delta R.T.: 0.000 min
Response: 30346468
Conc: 15.49 ppb m



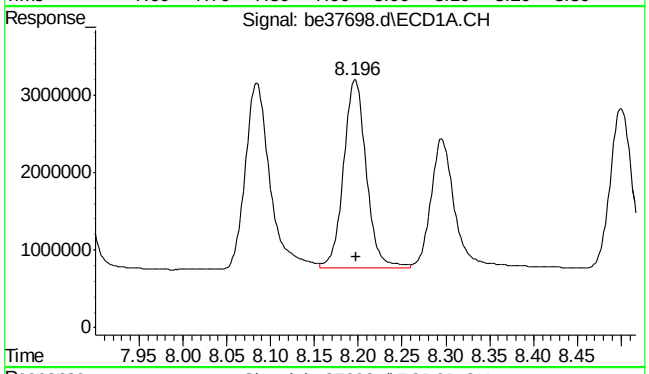
#15 Dieldrin

R.T.: 7.879 min
Delta R.T.: -0.001 min
Response: 47005335
Conc: 14.48 ppb



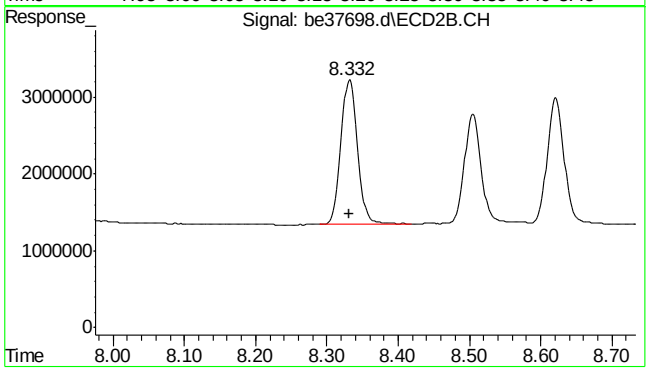
#15 Dieldrin

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 35008161
Conc: 16.19 ppb



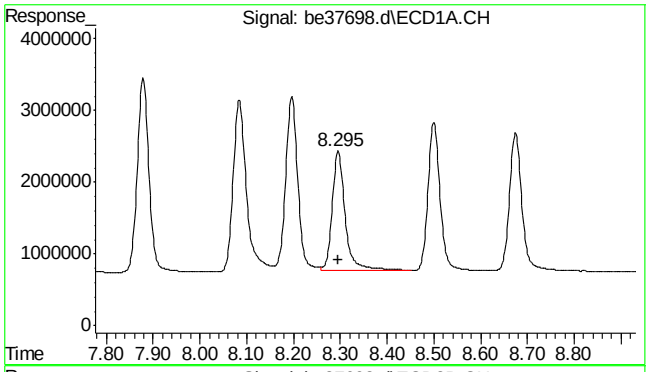
#16 Endrin

R.T.: 8.197 min
Delta R.T.: 0.000 min
Response: 43838243
Conc: 16.10 ppb



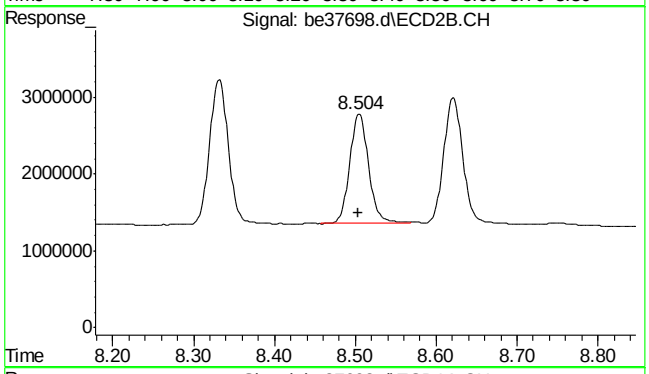
#16 Endrin

R.T.: 8.332 min
Delta R.T.: 0.000 min
Response: 30589335
Conc: 16.59 ppb m



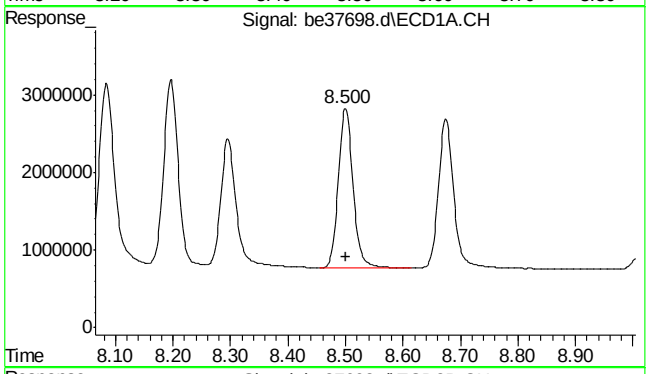
#17 4,4'-DDD

R.T.: 8.295 min
Delta R.T.: -0.001 min
Response: 32231111
Conc: 14.42 ppb m



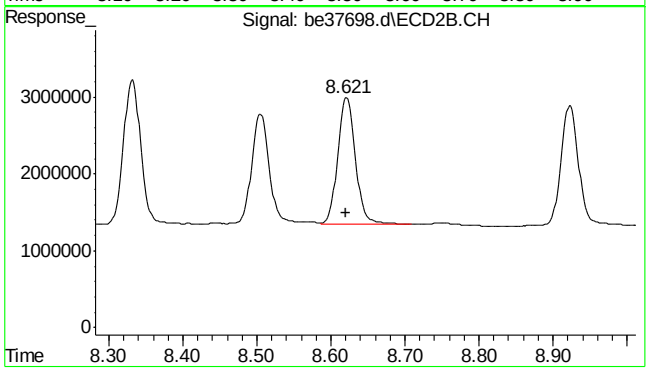
#17 4,4'-DDD

R.T.: 8.504 min
Delta R.T.: 0.000 min
Response: 23301013
Conc: 15.34 ppb m



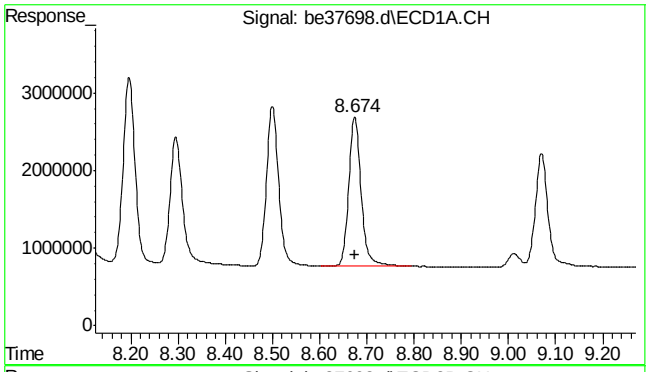
#18 Endosulfan-II

R.T.: 8.500 min
Delta R.T.: -0.002 min
Response: 37154363
Conc: 14.39 ppb m



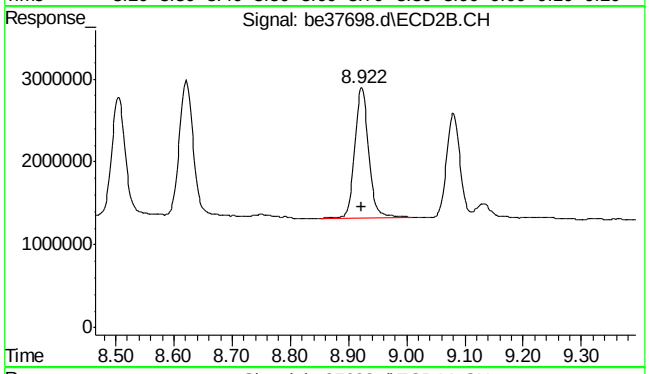
#18 Endosulfan-II

R.T.: 8.621 min
Delta R.T.: 0.000 min
Response: 27280826
Conc: 15.94 ppb



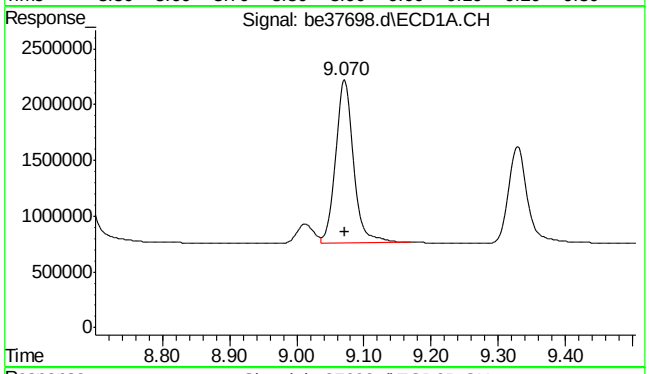
#19 4,4'-DDT

R.T.: 8.675 min
Delta R.T.: 0.000 min
Response: 35181376
Conc: 14.17 ppb



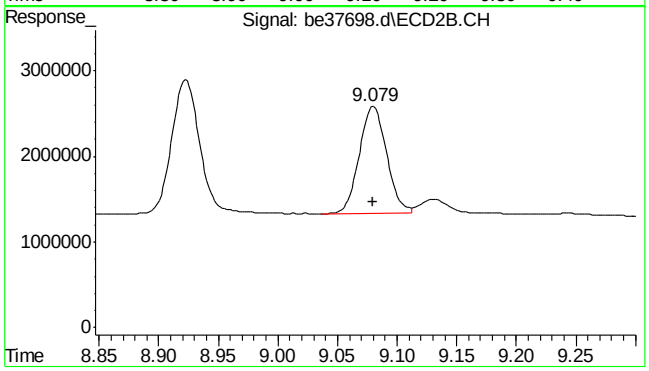
#19 4,4'-DDT

R.T.: 8.923 min
Delta R.T.: 0.000 min
Response: 25953050
Conc: 16.56 ppb



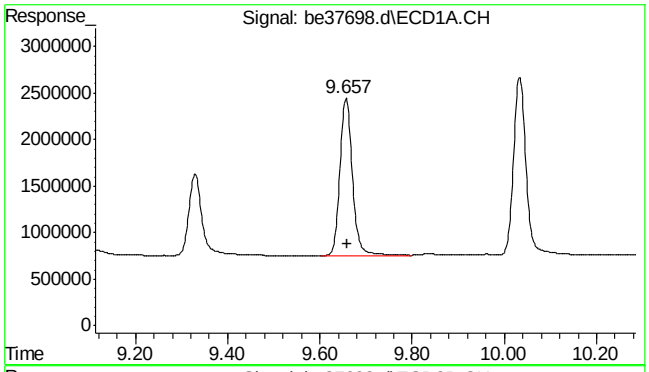
#20 Endrin Aldehyde

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 26925653
Conc: 12.99 ppb



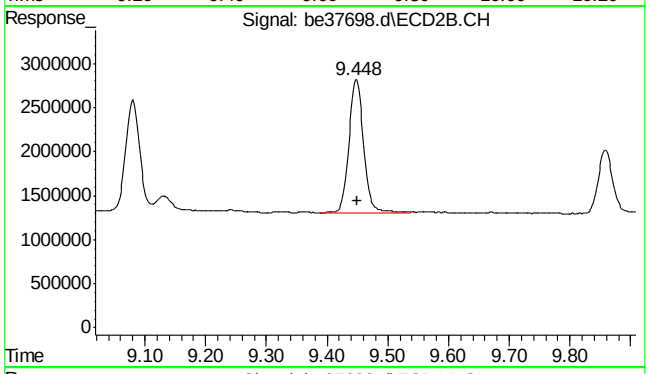
#20 Endrin Aldehyde

R.T.: 9.079 min
Delta R.T.: 0.000 min
Response: 20002013
Conc: 14.86 ppb m



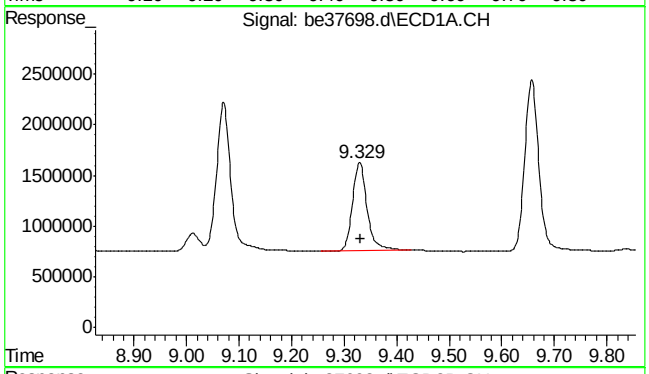
#21 Endosulfan Sulfate

R.T.: 9.657 min
Delta R.T.: -0.002 min
Response: 31775837
Conc: 14.18 ppb m



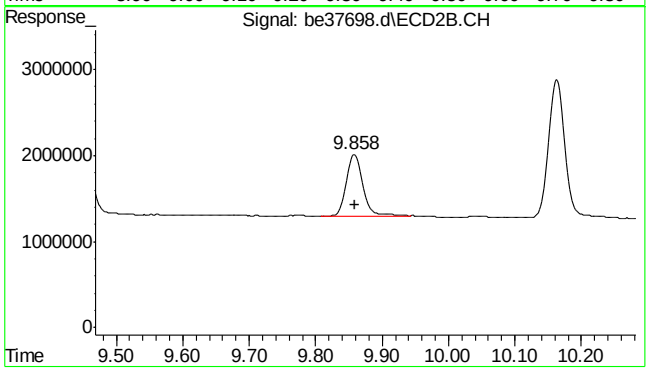
#21 Endosulfan Sulfate

R.T.: 9.448 min
Delta R.T.: -0.001 min
Response: 25289545
Conc: 16.54 ppb m



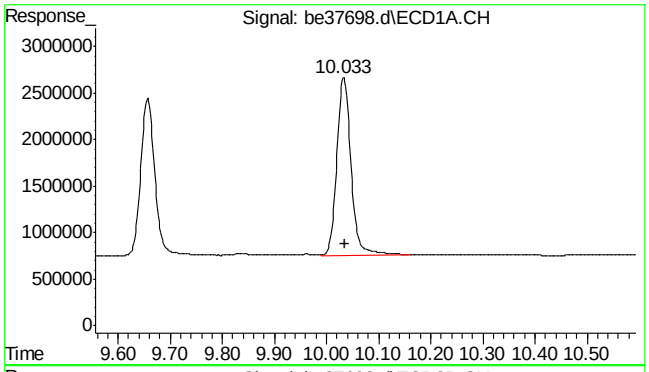
#22 Methoxychlor

R.T.: 9.330 min
Delta R.T.: -0.002 min
Response: 16602708
Conc: 14.68 ppb



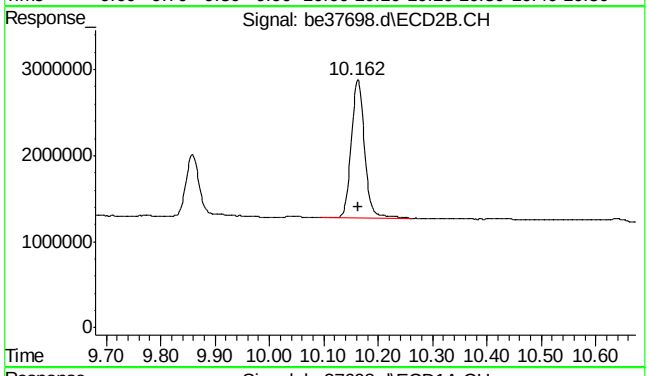
#22 Methoxychlor

R.T.: 9.858 min
Delta R.T.: -0.001 min
Response: 12396626
Conc: 18.19 ppb m



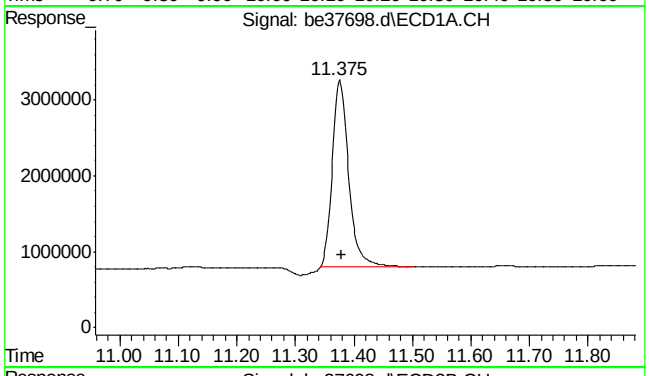
#23 Endrin Ketone

R.T.: 10.033 min
Delta R.T.: -0.003 min
Response: 35834554
Conc: 14.16 ppb m



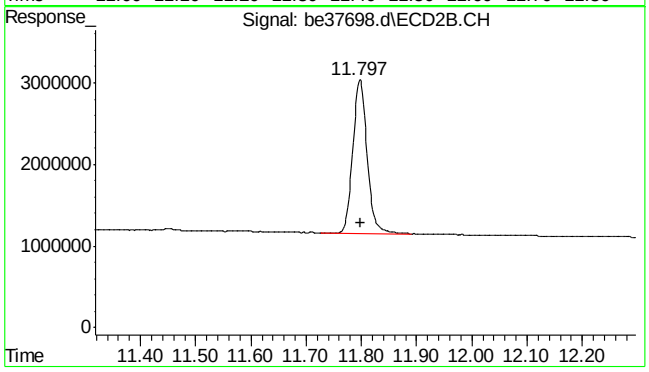
#23 Endrin Ketone

R.T.: 10.163 min
Delta R.T.: -0.001 min
Response: 27079228
Conc: 16.78 ppb



#38 DCB

R.T.: 11.375 min
Delta R.T.: -0.004 min
Response: 47406460
Conc: 24.35 ppb m



#38 DCB

R.T.: 11.798 min
Delta R.T.: 0.000 min
Response: 33656982
Conc: 32.88 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/19/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130816\
Data File : BK28096.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Aug 2013 6:34 am
Operator : nickk
Sample : op34373-bs
Misc : op34373,gbk956,15.50,,,10,,s
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 14:38:56 2013
Quant Method : C:\msdchem\1\METHODS\PC130816.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.401	2.374	9667.2E6	234.7E6	37.326m	31.479m
	Spiked Amount 40.000			Recovery	=	93.31%	78.70%
13) s	DCB	9.242	9.881	13559.8E6	259.2E6	40.754m	31.785m
	Spiked Amount 40.000			Recovery	=	101.89%	79.46%
	Target Compounds						
2)	AR1016-A	2.684	2.759	1646.8E6	43427244	381.334m	347.585m
3)	AR1016-B	2.984	3.103	3580.3E6	87237288	366.693	324.600m
4)	AR1016-C	3.409	3.532	8036.4E6	161.5E6	372.568	311.017m
5)	AR1016-D	3.539	3.665	4510.5E6	64636262	339.946m	310.500m
6)	AR1016-E	3.950	4.157	3236.2E6	79570702	372.212m	317.855m
7)	AR1260-A	5.386	5.719	6137.3E6	115.7E6	398.904	320.436m
8)	AR1260-B	5.751	6.005	12107.4E6	139.7E6	383.724m	324.528m
9)	AR1260-C	6.294	6.645	21804.6E6	353.7E6	391.448m	324.966m
10)	AR1260-D	7.098	7.461	17894.3E6	263.8E6	410.894m	317.844m
11)	AR1260-E	7.523	8.024	15498.6E6	260.0E6	393.619m	322.500m
12)	AR1260-F	8.484	8.943	3899.6E6	74120351	405.166m	322.307

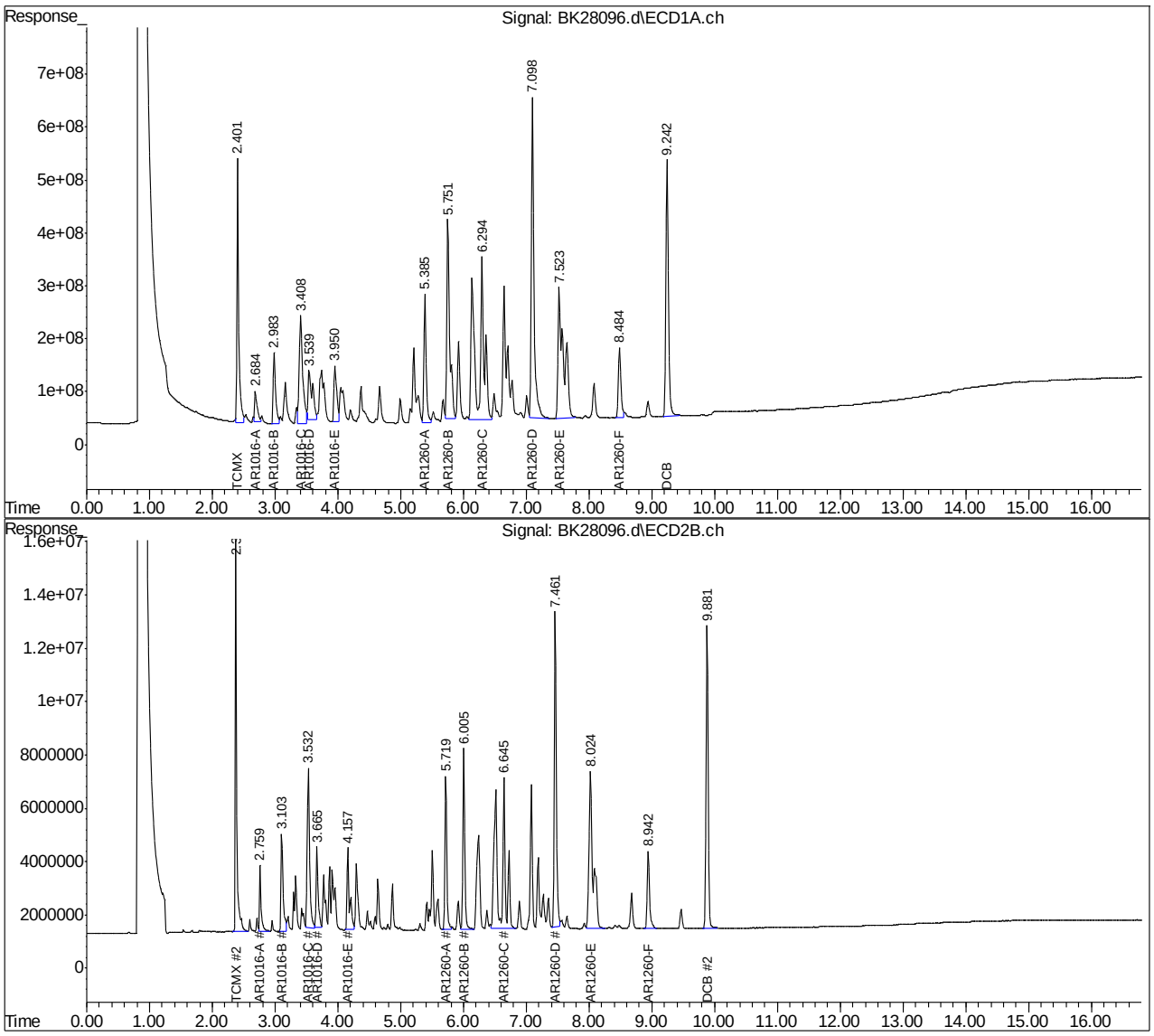
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

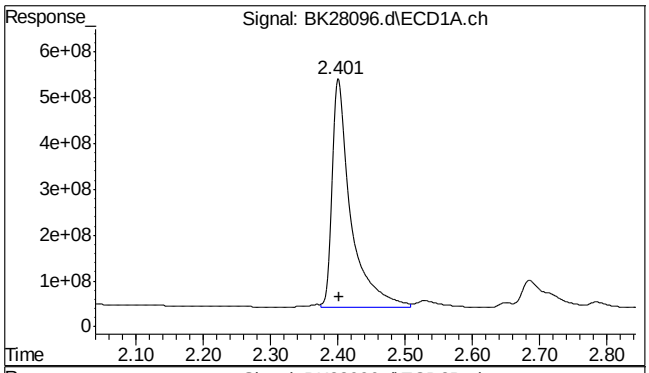
Data Path : C:\msdchem\1\DATA\BK130816\
Data File : BK28096.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Aug 2013 6:34 am
Operator : nickk
Sample : op34373-bs
Misc : op34373,gbk956,15.50,,,10,,s
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 14:38:56 2013
Quant Method : C:\msdchem\1\METHODS\PC130816.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

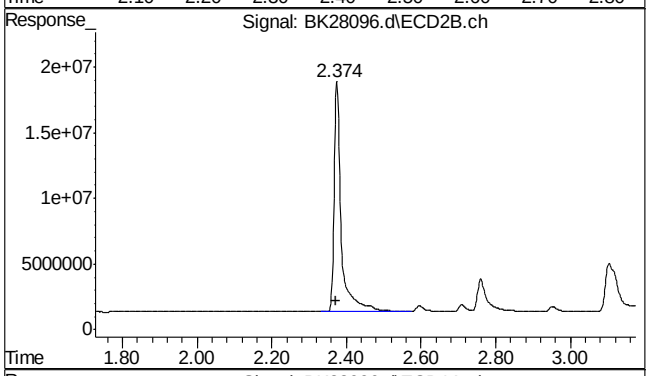


ACCUTEST LABORATORIES MC23456



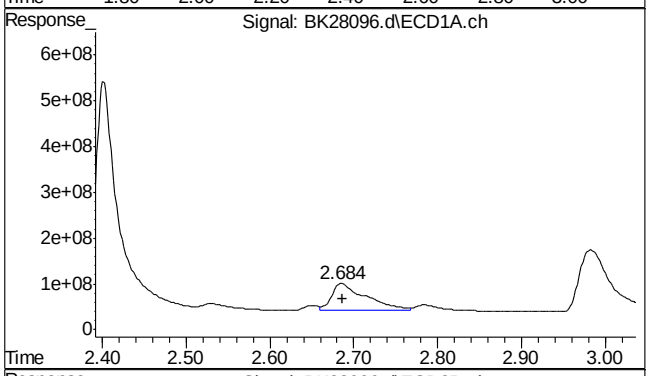
#1 TCMX

R.T.: 2.401 min
Delta R.T.: -0.002 min
Response: 9667230017
Conc: 37.33 ppb m



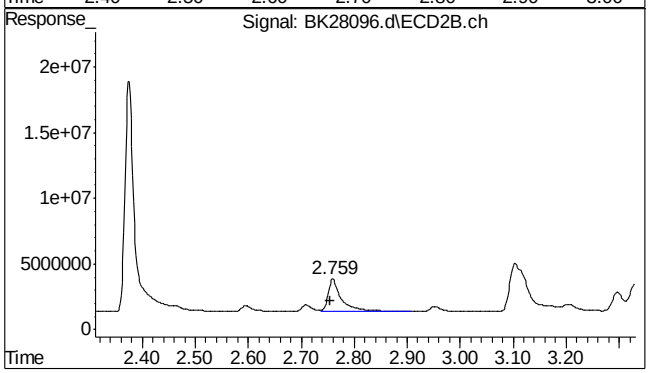
#1 TCMX

R.T.: 2.374 min
Delta R.T.: 0.003 min
Response: 234708850
Conc: 31.48 ppb m



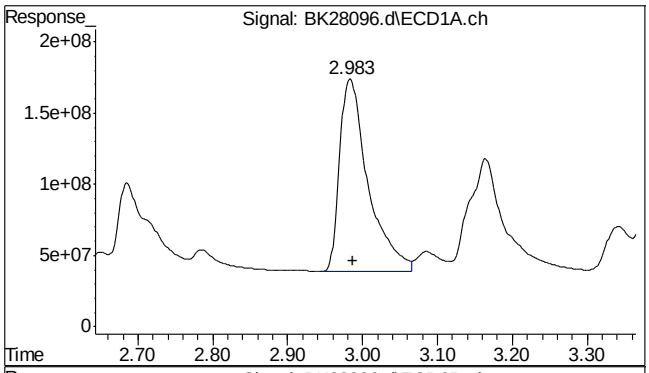
#2 AR1016-A

R.T.: 2.684 min
Delta R.T.: -0.003 min
Response: 1646758560
Conc: 381.33 ppb m



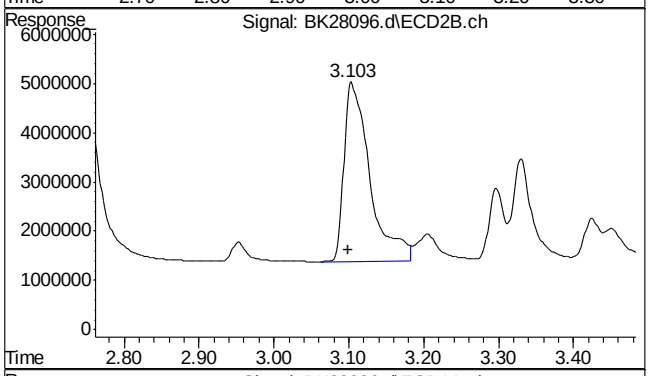
#2 AR1016-A

R.T.: 2.759 min
Delta R.T.: 0.003 min
Response: 43427244
Conc: 347.58 ppb m



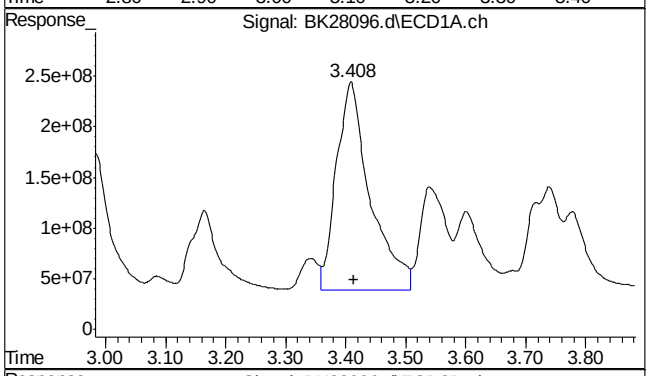
#3 AR1016-B

R.T.: 2.984 min
Delta R.T.: -0.003 min
Response: 3580255992
Conc: 366.69 ppb



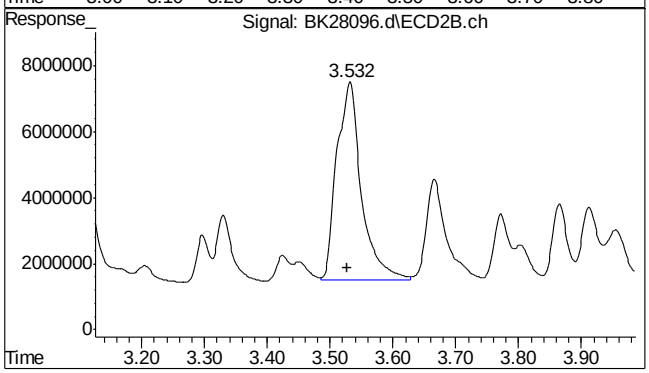
#3 AR1016-B

R.T.: 3.103 min
Delta R.T.: 0.003 min
Response: 87237288
Conc: 324.60 ppb m



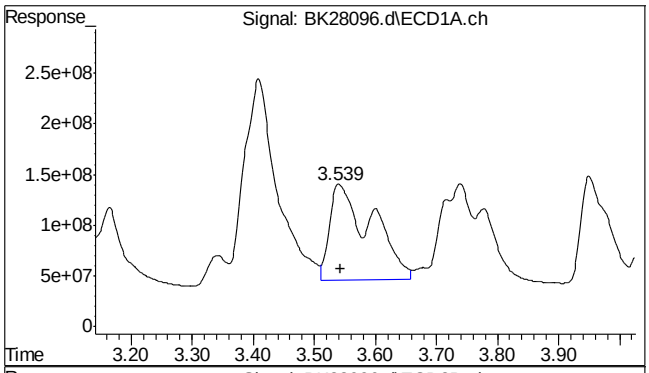
#4 AR1016-C

R.T.: 3.409 min
Delta R.T.: -0.004 min
Response: 8036376559
Conc: 372.57 ppb



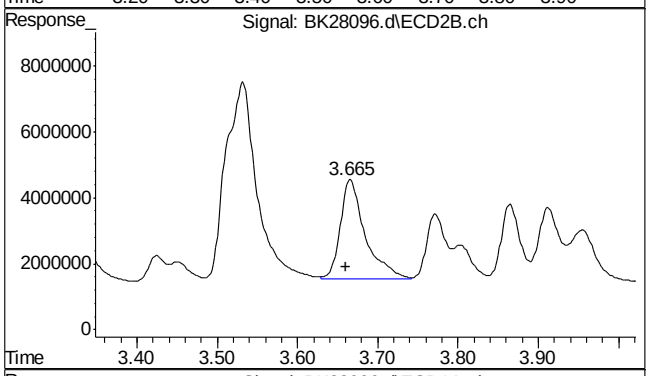
#4 AR1016-C

R.T.: 3.532 min
Delta R.T.: 0.004 min
Response: 161471589
Conc: 311.02 ppb m



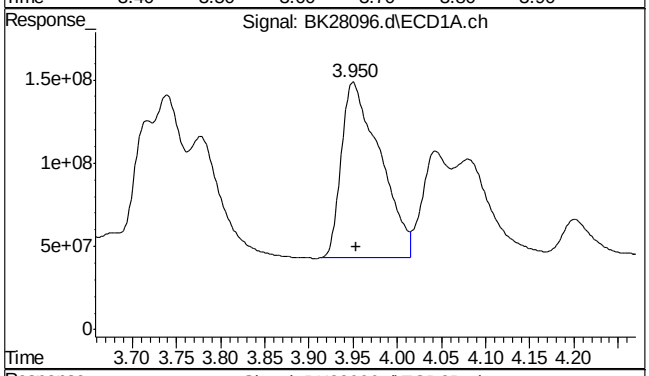
#5 AR1016-D

R.T.: 3.539 min
Delta R.T.: -0.003 min
Response: 4510472050
Conc: 339.95 m



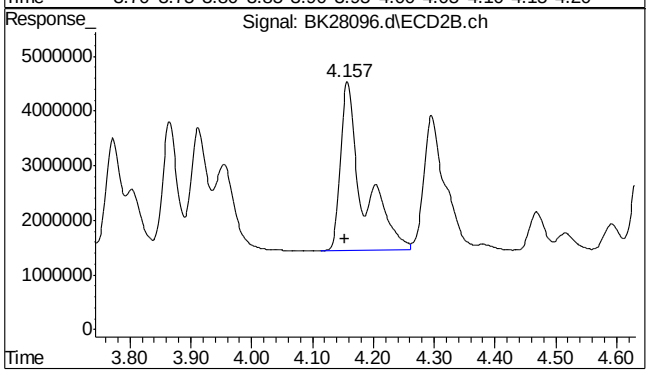
#5 AR1016-D

R.T.: 3.665 min
Delta R.T.: 0.004 min
Response: 64636262
Conc: 310.50 m



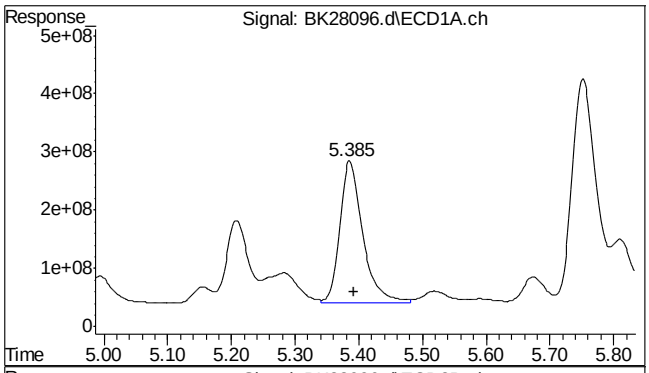
#6 AR1016-E

R.T.: 3.950 min
Delta R.T.: -0.005 min
Response: 3236218843
Conc: 372.21 m



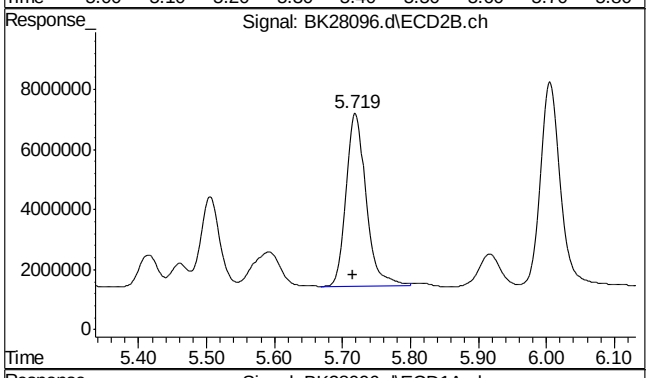
#6 AR1016-E

R.T.: 4.157 min
Delta R.T.: 0.003 min
Response: 79570702
Conc: 317.85 m



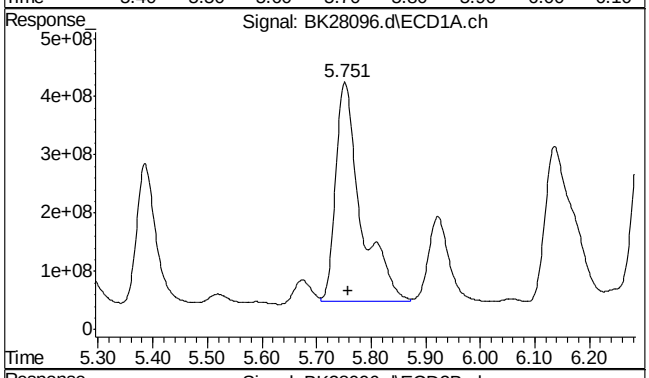
#7 AR1260-A

R.T.: 5.386 min
Delta R.T.: -0.007 min
Response: 6137341267
Conc: 398.90 ppb



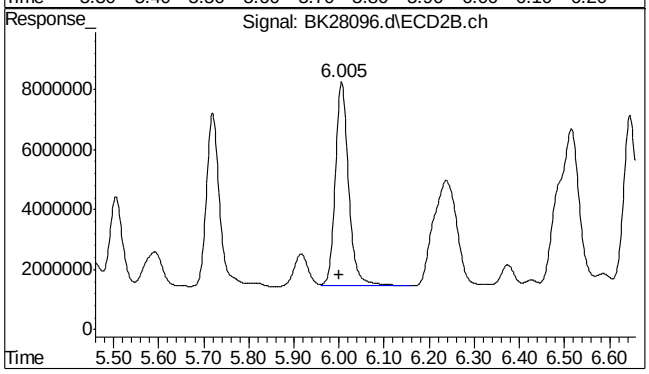
#7 AR1260-A

R.T.: 5.719 min
Delta R.T.: 0.004 min
Response: 115718059
Conc: 320.44 ppb m



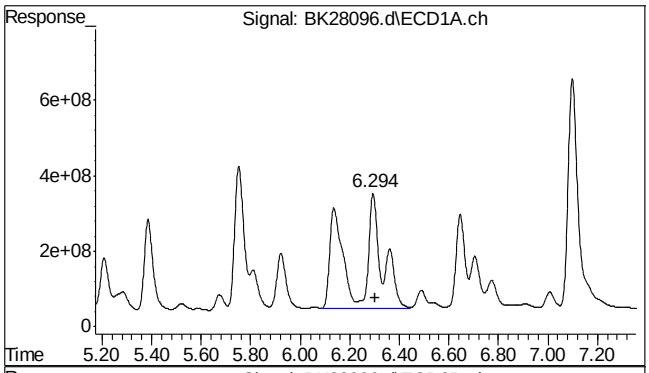
#8 AR1260-B

R.T.: 5.751 min
Delta R.T.: -0.007 min
Response: 12107449265
Conc: 383.72 ppb m



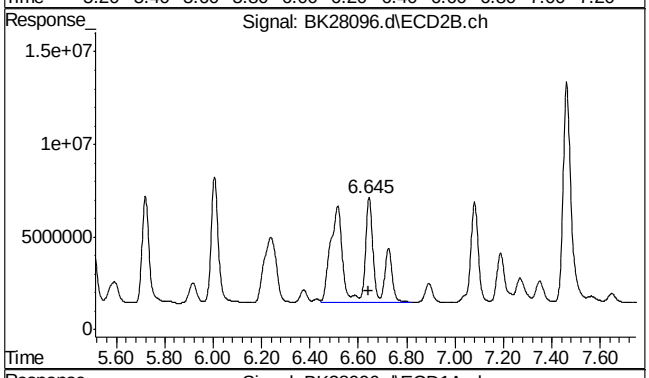
#8 AR1260-B

R.T.: 6.005 min
Delta R.T.: 0.005 min
Response: 139738693
Conc: 324.53 ppb m



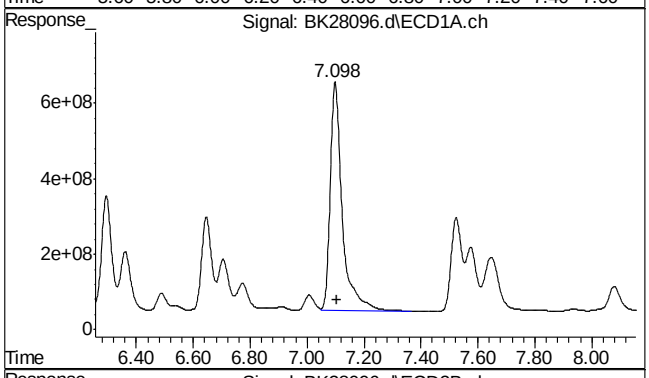
#9 AR1260-C

R.T.: 6.294 min
Delta R.T.: -0.007 min
Response: 21804620240
Conc: 391.45 ppb m



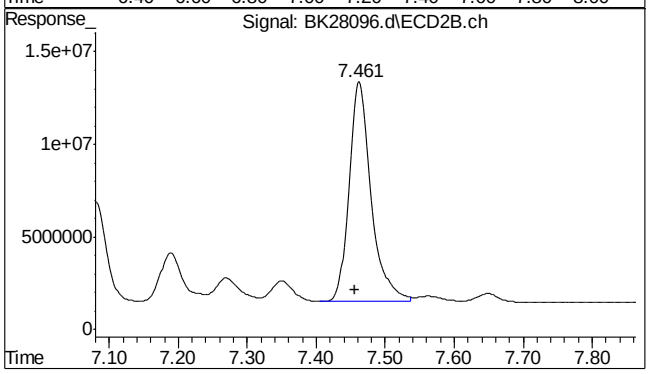
#9 AR1260-C

R.T.: 6.645 min
Delta R.T.: 0.004 min
Response: 353658413
Conc: 324.97 ppb m



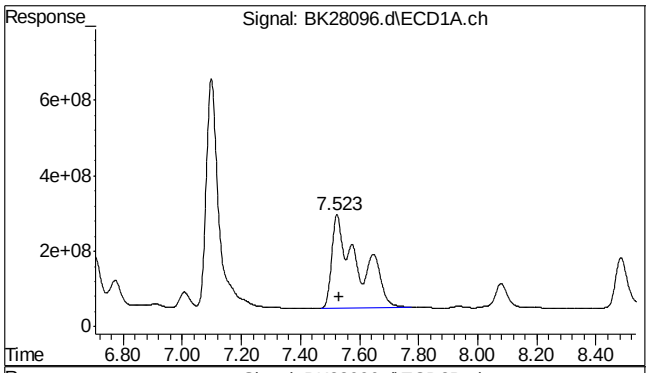
#10 AR1260-D

R.T.: 7.098 min
Delta R.T.: -0.008 min
Response: 17894252110
Conc: 410.89 ppb m



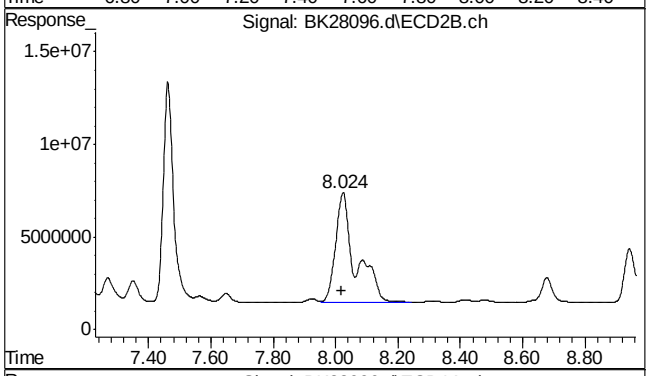
#10 AR1260-D

R.T.: 7.461 min
Delta R.T.: 0.005 min
Response: 263811031
Conc: 317.84 ppb m



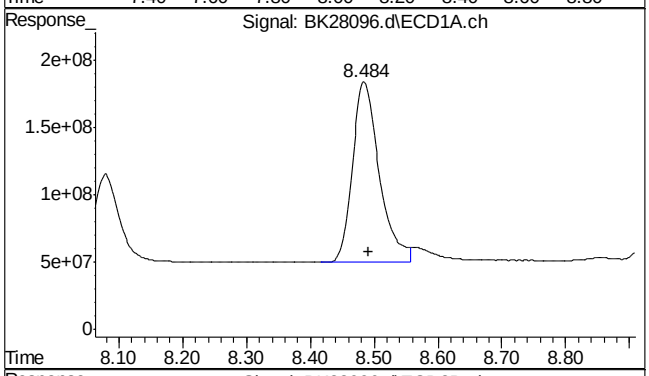
#11 AR1260-E

R.T.: 7.523 min
Delta R.T.: -0.007 min
Response: 15498629715
Conc: 393.62 ppb m



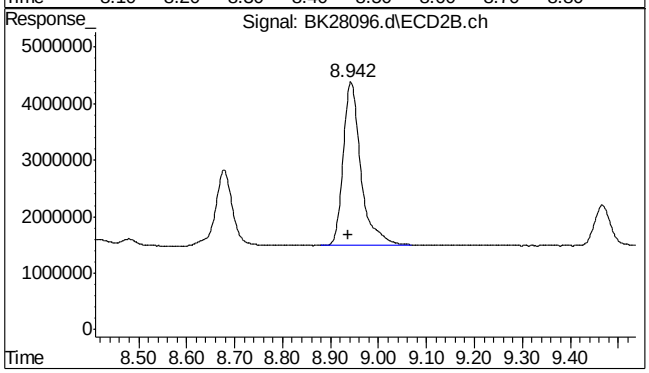
#11 AR1260-E

R.T.: 8.024 min
Delta R.T.: 0.005 min
Response: 259993901
Conc: 322.50 ppb m



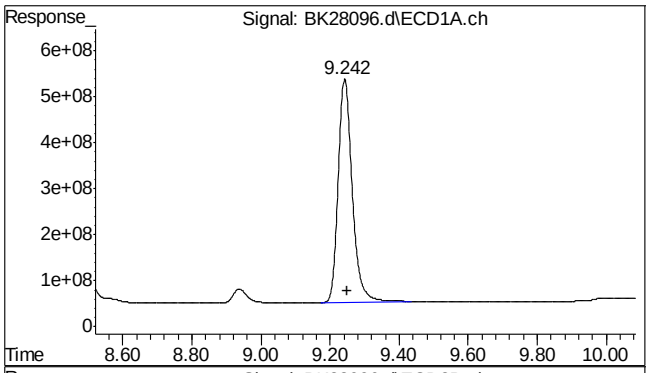
#12 AR1260-F

R.T.: 8.484 min
Delta R.T.: -0.007 min
Response: 3899558651
Conc: 405.17 m



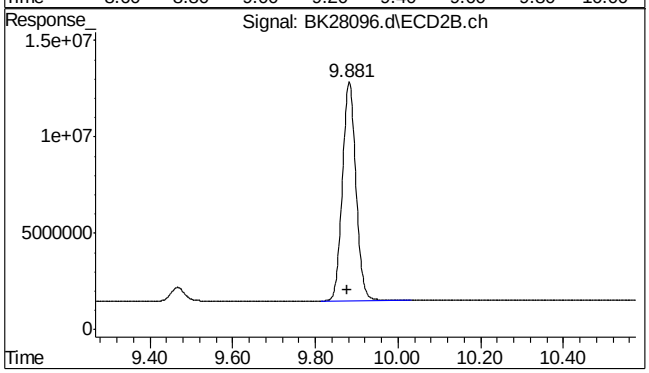
#12 AR1260-F

R.T.: 8.943 min
Delta R.T.: 0.006 min
Response: 74120351
Conc: 322.31



#13 DCB

R.T.: 9.242 min
Delta R.T.: -0.008 min
Response: 13559847830
Conc: 40.75 ppb m



#13 DCB

R.T.: 9.881 min
Delta R.T.: 0.005 min
Response: 259193190
Conc: 31.78 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130816\
Data File : be37699.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16-Aug-13, 19:00:01
Operator : nickk
Sample : op34379-ms
Misc : op34379,gbe1962,15.29,,,10,,s
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 08:15:46 2013
Quant Method : C:\msdchem\1\methods\PT130816.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.633	3.599	40520779	17081096	14.066m	9.085m#
	Spiked Amount 40.000			Recovery =		35.16%	22.71%
38) s	DCB	11.377	11.791	51402616	48603956	26.404m	47.486m#
	Spiked Amount 40.000			Recovery =		66.01%	118.71%
	Target Compounds						
2)	Hexachlor...	4.236	4.319	45270017	22776058	10.520m	7.226m#
3)	Alpha-BHC	4.494	4.543	36565460	17853056	7.763m	4.736 #
4)	Gamma-BHC	4.979	5.086	25028146	17462622	5.901	5.059m
5)	Beta-BHC	5.112	5.224	6930665	5624747	3.930m	3.345m
6)	Heptachlor	5.688	5.721	25834079	12779643	6.106m	3.181m#
7)	Delta-BHC	5.377	5.652	13031580	6541913	3.127	0.854m#
8)	Alachlor	6.355	6.069	33190982	25394747	98.208	108.431m
9)	Aldrin	6.129	6.188	21612438	17582302	5.712	5.649m
10)	Heptachlo...	7.011	7.006	124.9E6	45573068	38.306	23.090m#
11)	Gamma-Chl...	7.164	7.266	23608235	48057185	6.826m	22.347m#
12)	Alpha-Chl...	7.335f	7.467	34986805	18339351	11.156m	7.733m#
13)	Endosulfan-I	7.539	7.539	28971390	5531412	9.233m	1.181m#
14)	4,4'-DDE	7.463f	7.723	393.5E6	14216484	136.880m	6.396m#
15)	Dieldrin	7.878	7.909	367.6E6	63075871	118.586m	31.417m#
16)	Endrin	8.178f	8.352f	90918440	56809629	33.395m	32.915m
17)	4,4'-DDD	8.288	8.505	44005931	9046036	19.694m	5.154m#
18)	Endosulfa...	8.495	8.644f	84289182	156.0E6	33.174	105.125 #
19)	4,4'-DDT	8.664	8.924	145.1E6	362.3E6	56.862m	271.433m#
20)	Endrin Al...	9.078	9.061f	54188195	31183965	26.819	24.336m
21)	Endosulfa...	9.653	9.441	15154260	34648430	6.585m	23.654m#
22)	Methoxychlor	9.337	9.864	5813579	9883255	5.168m	14.303m#
23)	Endrin Ke...	10.029	10.164	36785968	6773241	14.547m	2.722m#

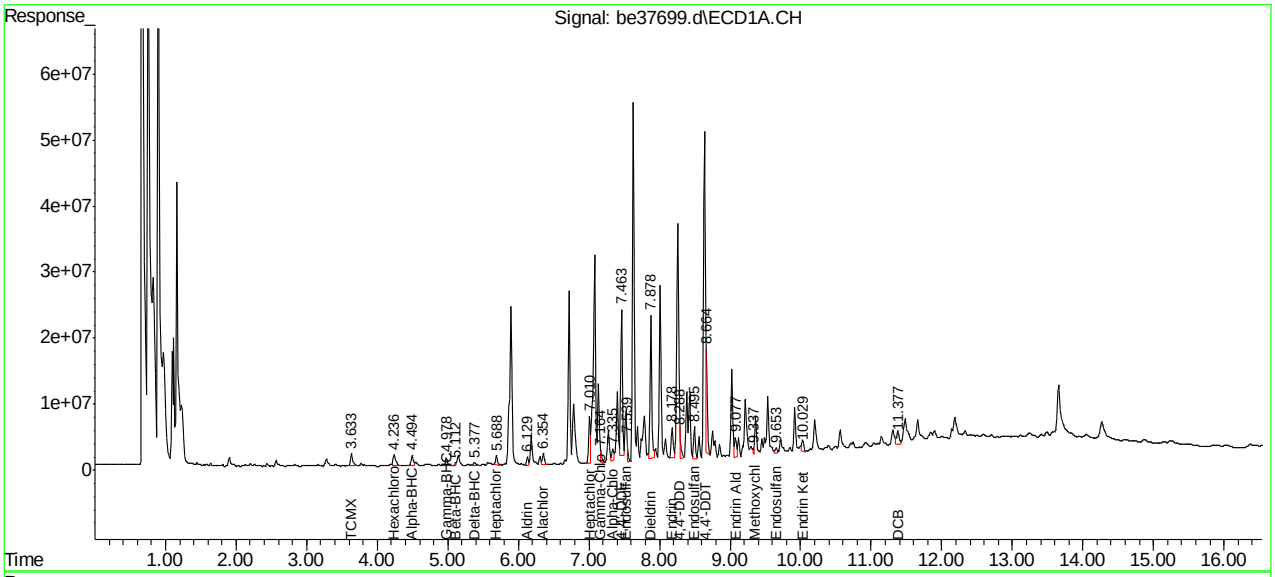
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

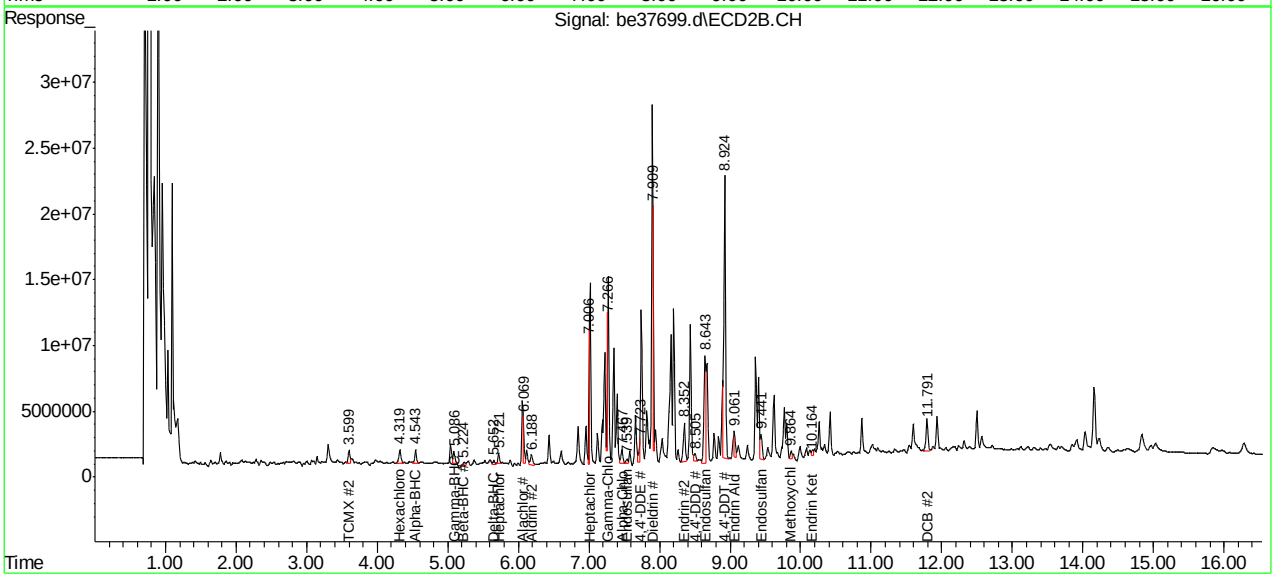
Quantitation Report (QT Reviewed)

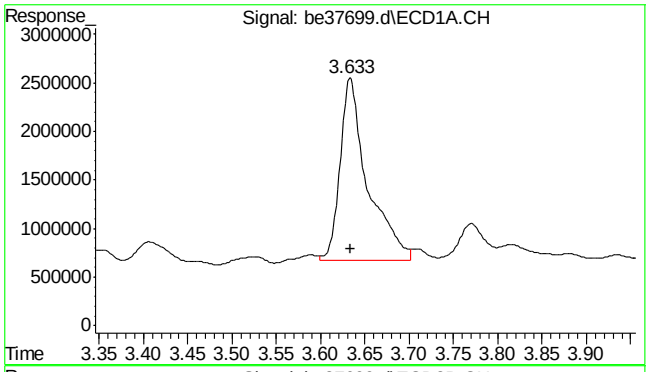
Data Path : C:\msdchem\1\data\BE130816\
Data File : be37699.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16-Aug-13, 19:00:01
Operator : nickk
Sample : op34379-ms
Misc : op34379,gbe1962,15.29,,,10,,s
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 08:15:46 2013
Quant Method : C:\msdchem\1\methods\PT130816.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

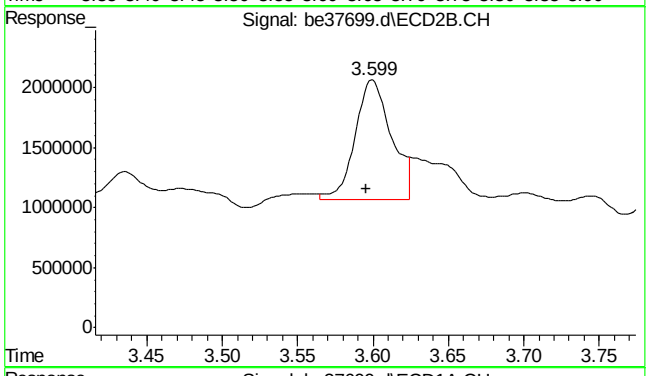






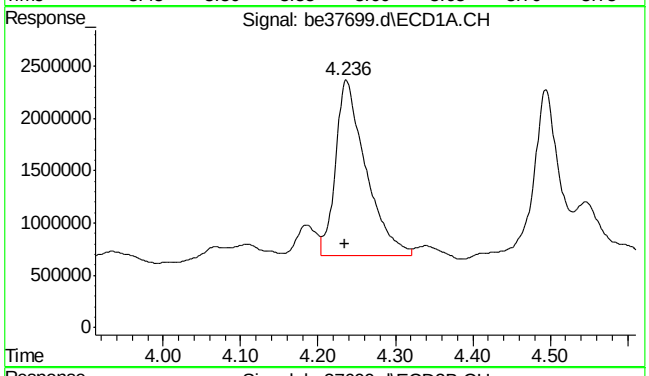
#1 TCMX

R.T.: 3.633 min
Delta R.T.: -0.001 min
Response: 40520779
Conc: 14.07 ppb m



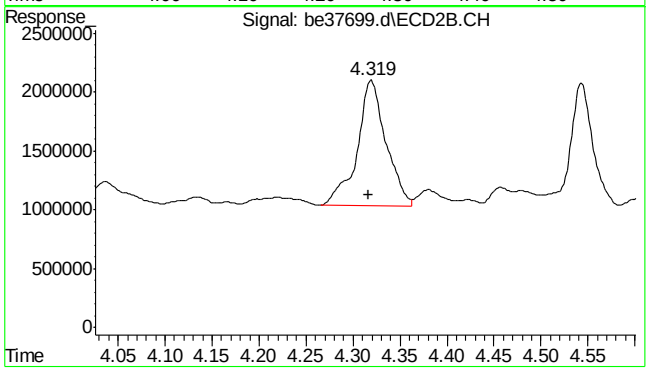
#1 TCMX

R.T.: 3.599 min
Delta R.T.: 0.003 min
Response: 17081096
Conc: 9.08 ppb m



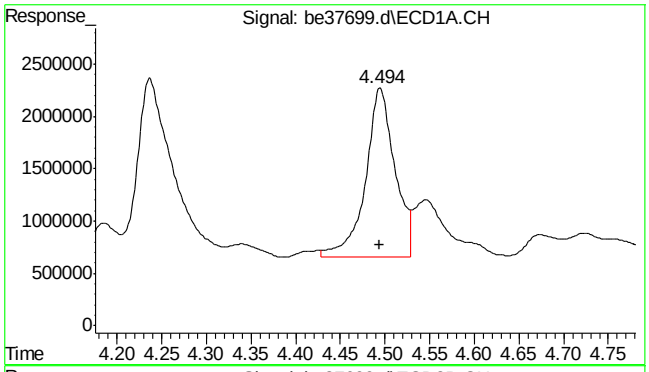
#2 Hexachlorobenzene

R.T.: 4.236 min
Delta R.T.: 0.000 min
Response: 45270017
Conc: 10.52 ppb m



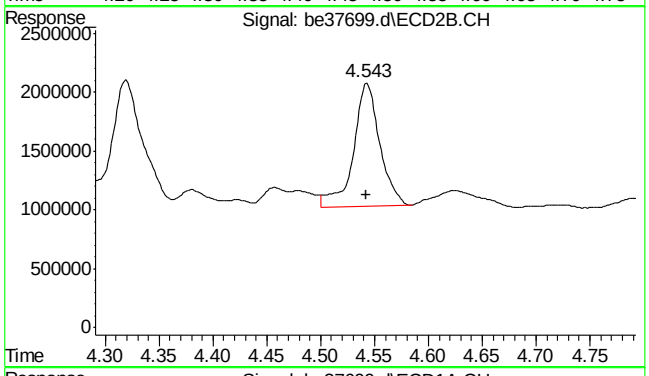
#2 Hexachlorobenzene

R.T.: 4.319 min
Delta R.T.: 0.002 min
Response: 22776058
Conc: 7.23 ppb m



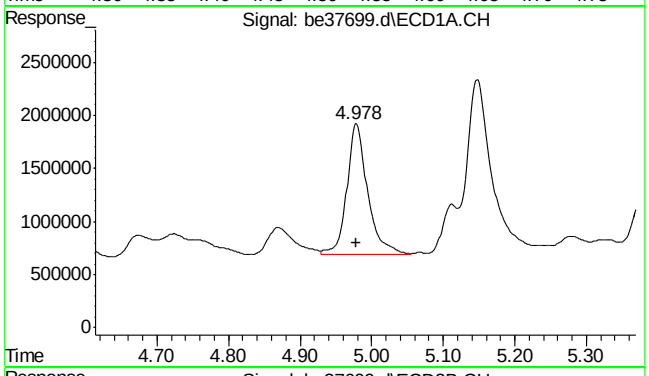
#3 Alpha-BHC

R.T.: 4.494 min
Delta R.T.: 0.000 min
Response: 36565460
Conc: 7.76 ppb m



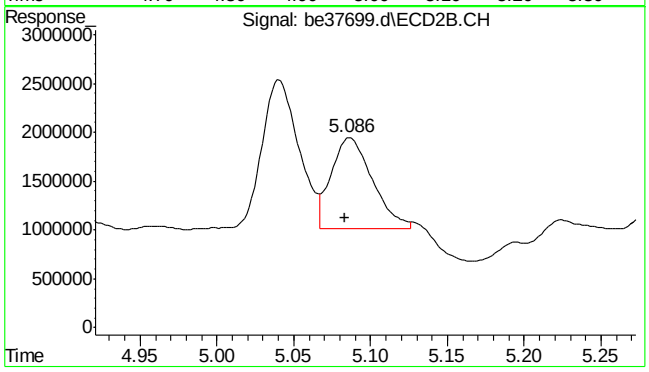
#3 Alpha-BHC

R.T.: 4.543 min
Delta R.T.: 0.001 min
Response: 17853056
Conc: 4.74 ppb



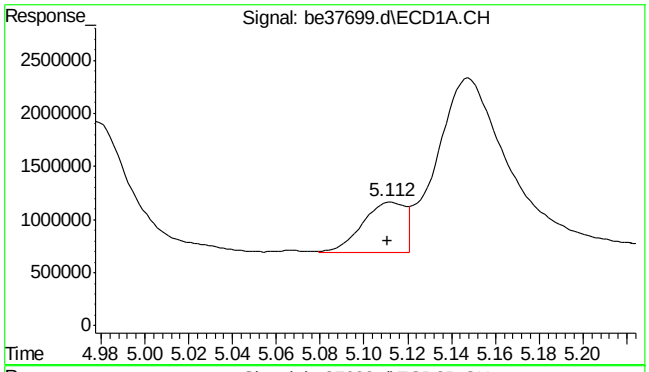
#4 Gamma-BHC

R.T.: 4.979 min
Delta R.T.: 0.001 min
Response: 25028146
Conc: 5.90 ppb



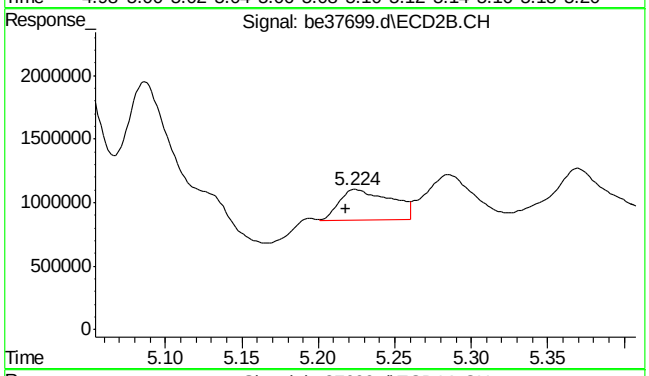
#4 Gamma-BHC

R.T.: 5.086 min
Delta R.T.: 0.003 min
Response: 17462622
Conc: 5.06 ppb m



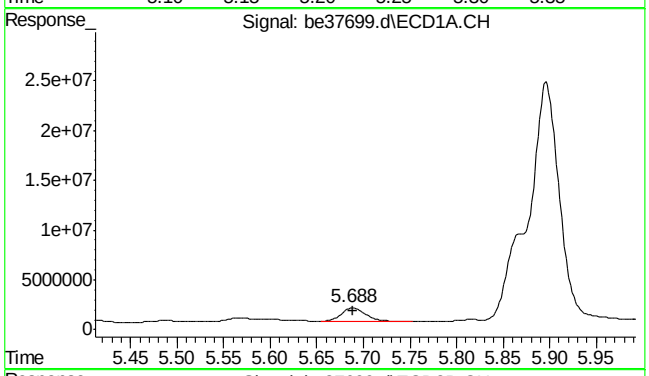
#5 Beta-BHC

R.T.: 5.112 min
Delta R.T.: 0.001 min
Response: 6930665
Conc: 3.93 ppb m



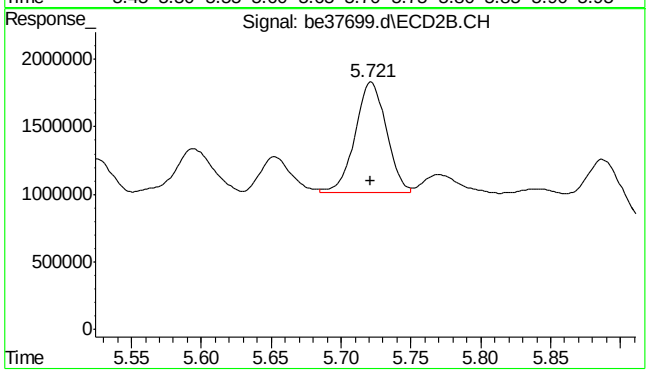
#5 Beta-BHC

R.T.: 5.224 min
Delta R.T.: 0.005 min
Response: 5624747
Conc: 3.34 ppb m



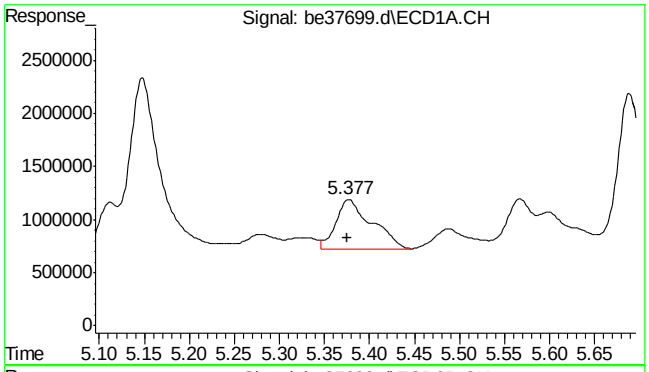
#6 Heptachlor

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 25834079
Conc: 6.11 ppb m



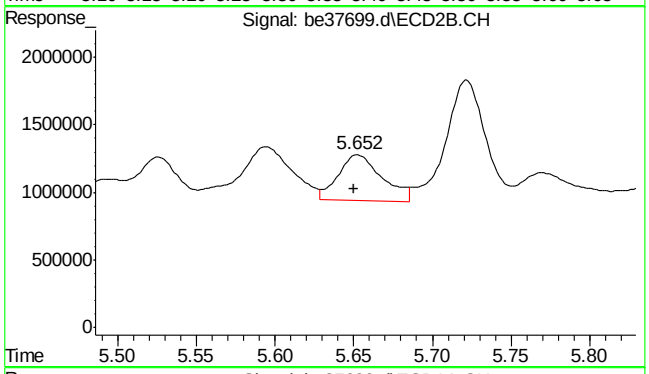
#6 Heptachlor

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 12779643
Conc: 3.18 ppb m



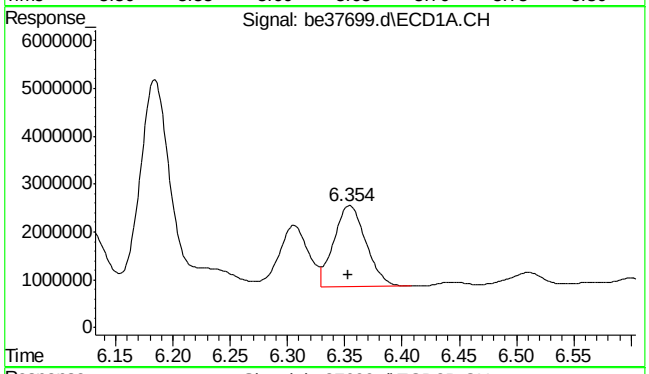
#7 Delta-BHC

R.T.: 5.377 min
Delta R.T.: 0.003 min
Response: 13031580
Conc: 3.13 ppb



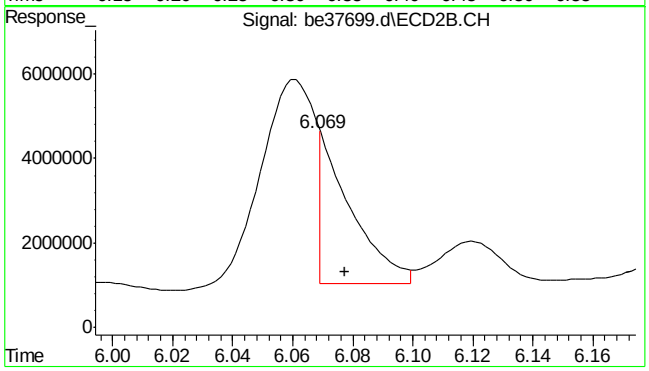
#7 Delta-BHC

R.T.: 5.652 min
Delta R.T.: 0.002 min
Response: 6541913
Conc: 0.85 ppb m



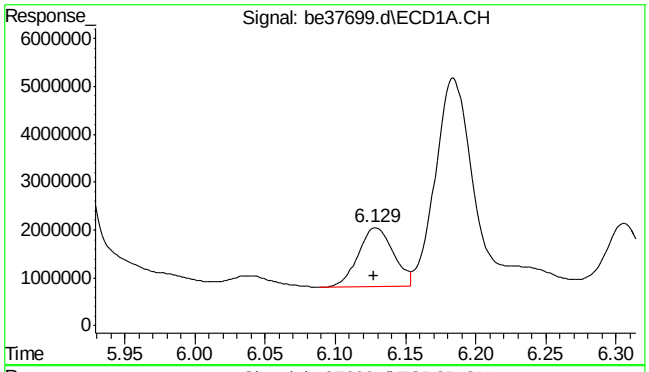
#8 Alachlor

R.T.: 6.355 min
Delta R.T.: 0.001 min
Response: 33190982
Conc: 98.21 ppb



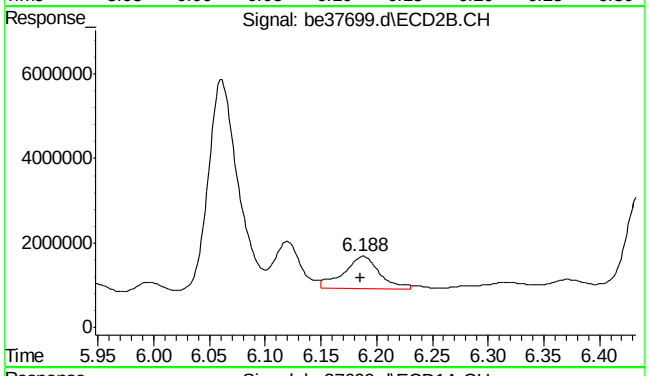
#8 Alachlor

R.T.: 6.069 min
Delta R.T.: -0.008 min
Response: 25394747
Conc: 108.43 ppb m



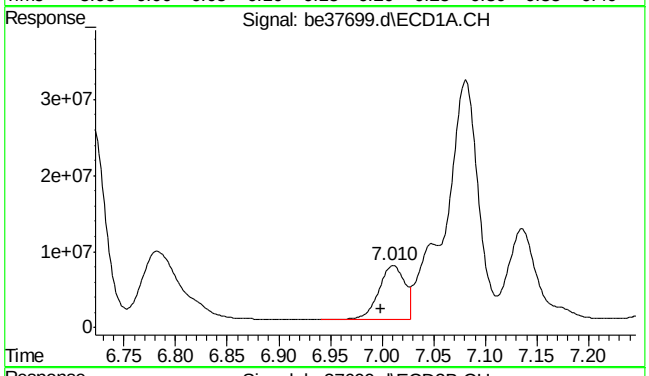
#9 Aldrin

R.T.: 6.129 min
Delta R.T.: 0.001 min
Response: 21612438
Conc: 5.71 ppb



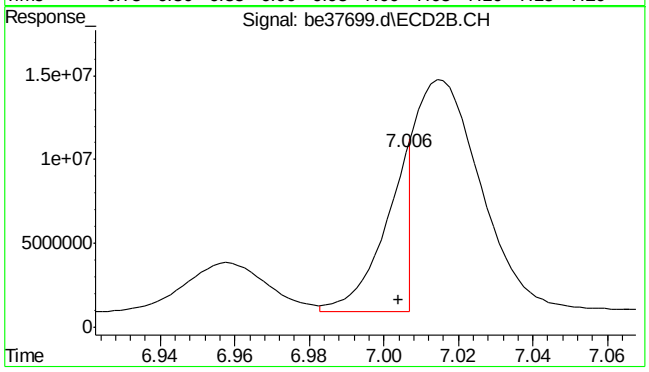
#9 Aldrin

R.T.: 6.188 min
Delta R.T.: 0.003 min
Response: 17582302
Conc: 5.65 ppb m



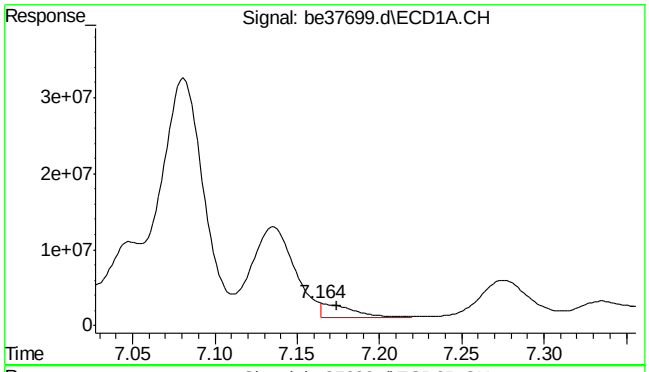
#10 Heptachlor Epoxide

R.T.: 7.011 min
Delta R.T.: 0.012 min
Response: 124890410
Conc: 38.31 ppb



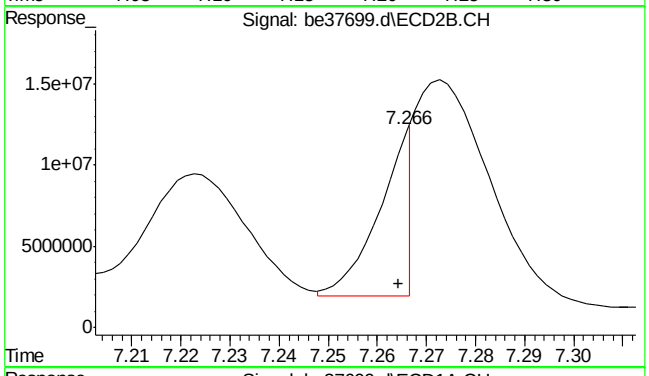
#10 Heptachlor Epoxide

R.T.: 7.006 min
Delta R.T.: 0.002 min
Response: 45573068
Conc: 23.09 ppb m



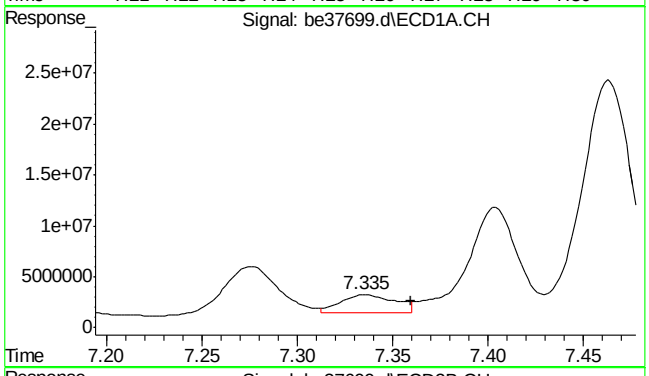
#11 Gamma-Chlordane

R.T.: 7.164 min
Delta R.T.: -0.010 min
Response: 23608235
Conc: 6.83 ppb m



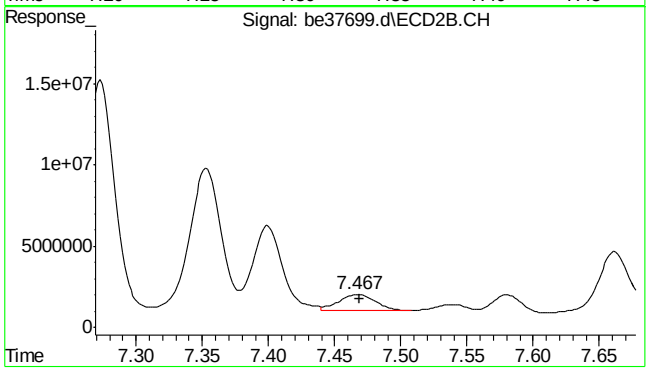
#11 Gamma-Chlordane

R.T.: 7.266 min
Delta R.T.: 0.002 min
Response: 48057185
Conc: 22.35 ppb m



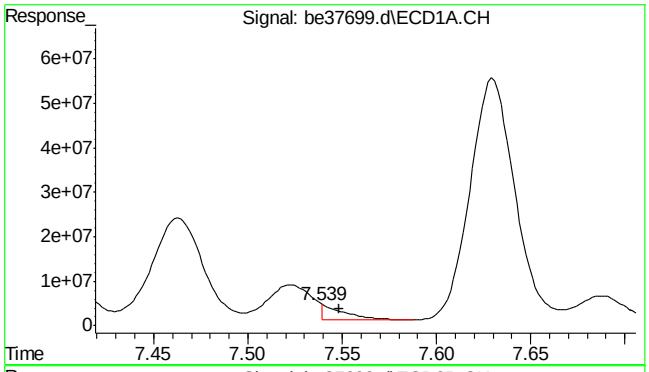
#12 Alpha-Chlordane

R.T.: 7.335 min
Delta R.T.: -0.025 min
Response: 34986805
Conc: 11.16 ppb m



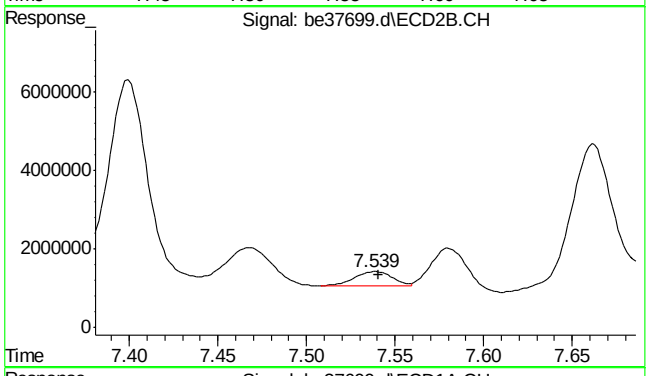
#12 Alpha-Chlordane

R.T.: 7.467 min
Delta R.T.: -0.001 min
Response: 18339351
Conc: 7.73 ppb m



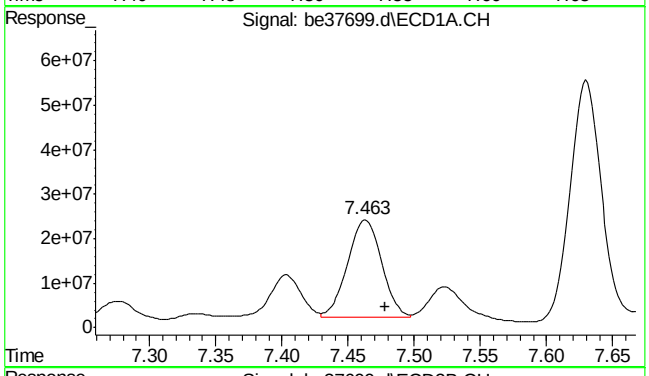
#13 Endosulfan-I

R.T.: 7.539 min
Delta R.T.: -0.009 min
Response: 28971390
Conc: 9.23 ppb m



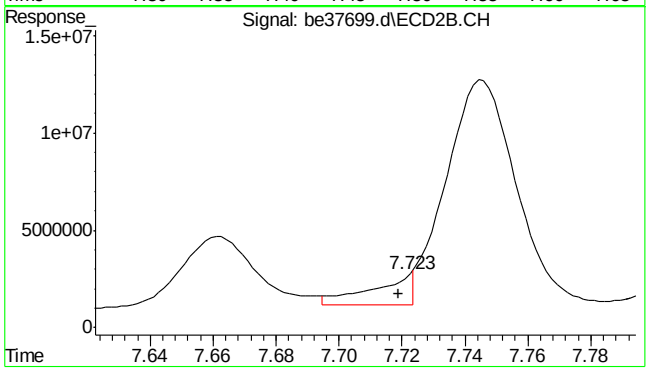
#13 Endosulfan-I

R.T.: 7.539 min
Delta R.T.: -0.002 min
Response: 5531412
Conc: 1.18 ppb m



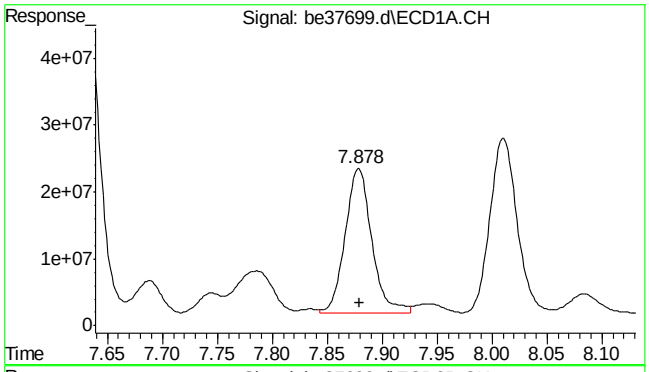
#14 4,4'-DDE

R.T.: 7.463 min
Delta R.T.: -0.015 min
Response: 393524817
Conc: 136.88 ppb m



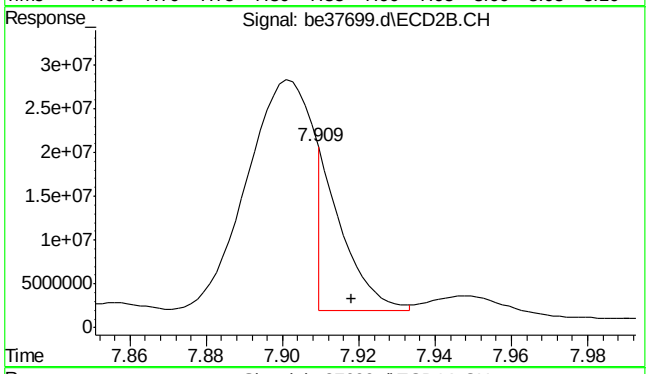
#14 4,4'-DDE

R.T.: 7.723 min
Delta R.T.: 0.004 min
Response: 14216484
Conc: 6.40 ppb m



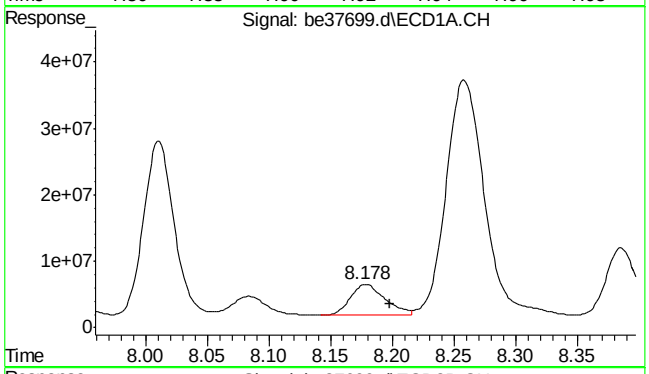
#15 Dieldrin

R.T.: 7.878 min
Delta R.T.: -0.001 min
Response: 367555375
Conc: 118.59 ppb m



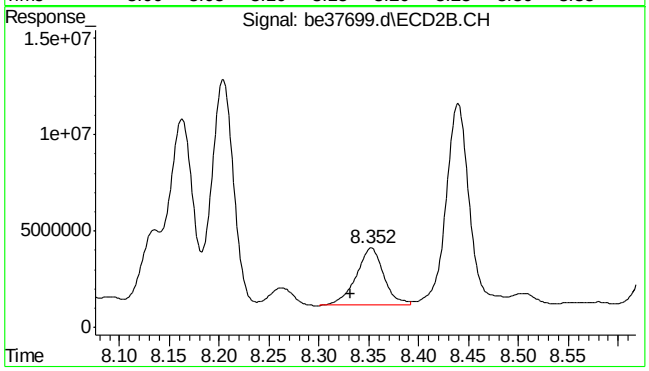
#15 Dieldrin

R.T.: 7.909 min
Delta R.T.: -0.009 min
Response: 63075871
Conc: 31.42 ppb m



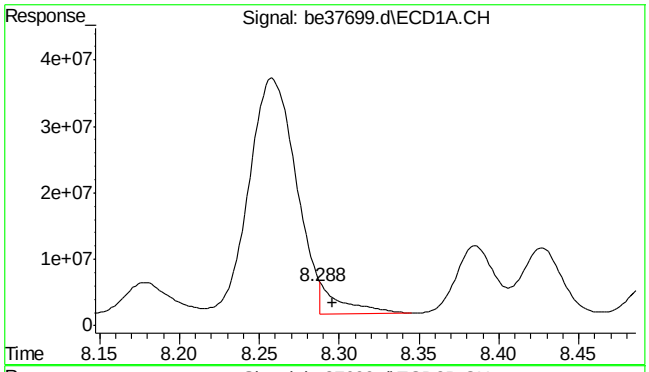
#16 Endrin

R.T.: 8.178 min
Delta R.T.: -0.019 min
Response: 90918440
Conc: 33.39 ppb m



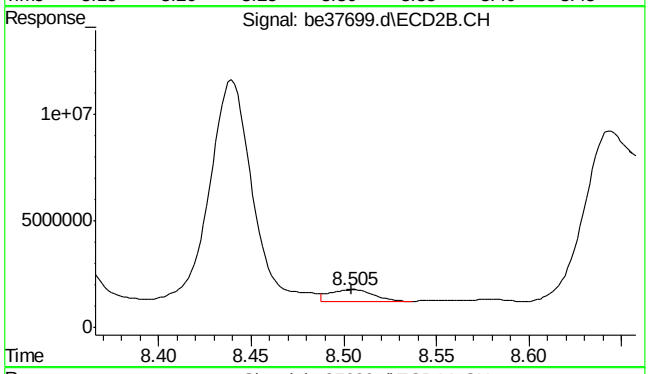
#16 Endrin

R.T.: 8.352 min
Delta R.T.: 0.021 min
Response: 56809629
Conc: 32.92 ppb m



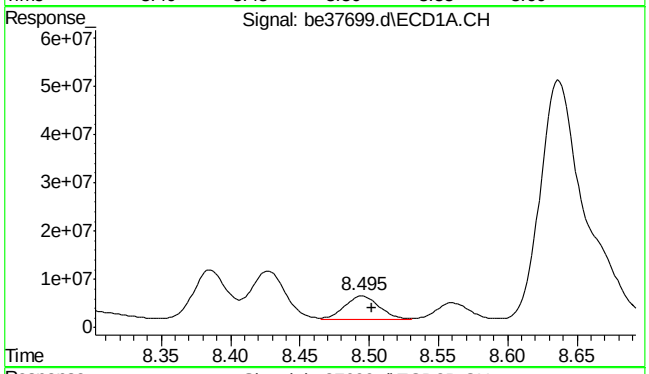
#17 4,4'-DDD

R.T.: 8.288 min
Delta R.T.: -0.008 min
Response: 44005931
Conc: 19.69 ppb m



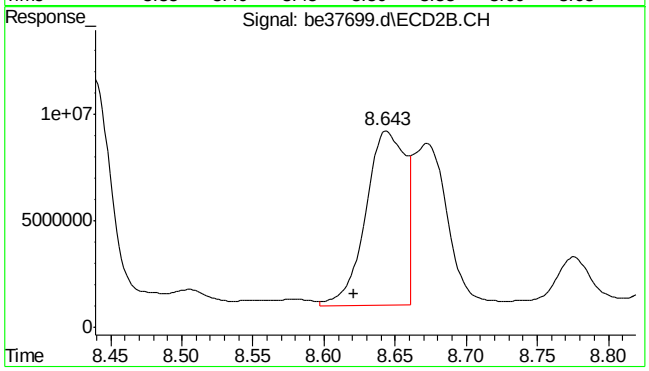
#17 4,4'-DDD

R.T.: 8.505 min
Delta R.T.: 0.000 min
Response: 9046036
Conc: 5.15 ppb m



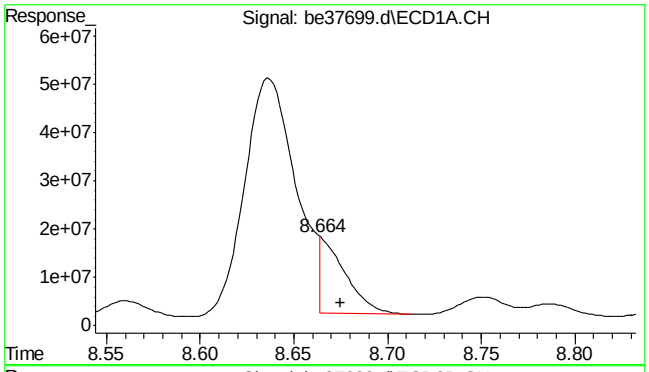
#18 Endosulfan-II

R.T.: 8.495 min
Delta R.T.: -0.007 min
Response: 84289182
Conc: 33.17 ppb



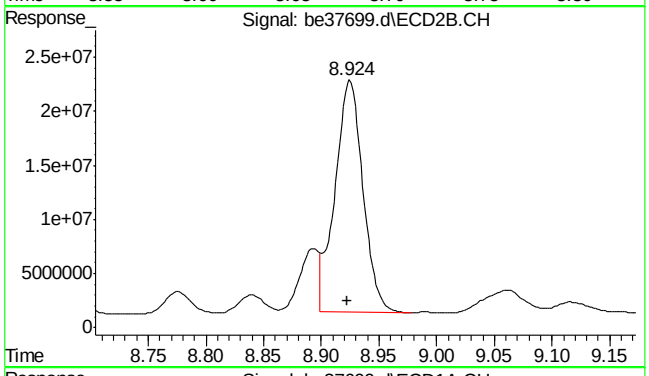
#18 Endosulfan-II

R.T.: 8.644 min
Delta R.T.: 0.023 min
Response: 155972646
Conc: 105.13 ppb



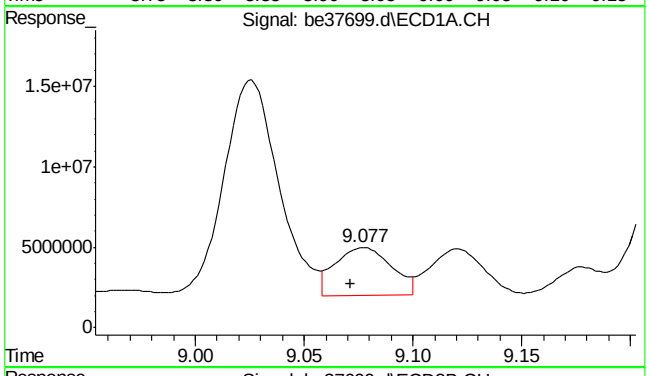
#19 4,4'-DDT

R.T.: 8.664 min
Delta R.T.: -0.011 min
Response: 145089525
Conc: 56.86 ppb m



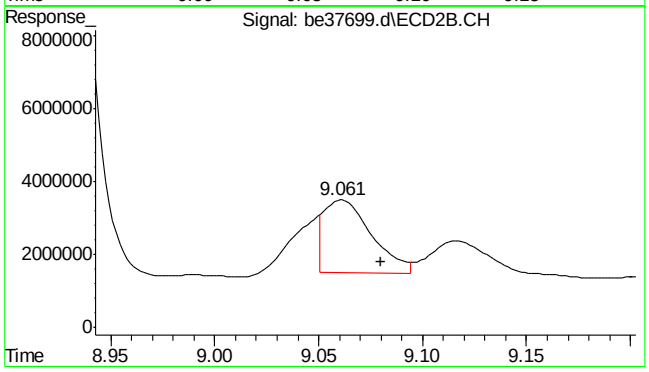
#19 4,4'-DDT

R.T.: 8.924 min
Delta R.T.: 0.002 min
Response: 362335813
Conc: 271.43 ppb m



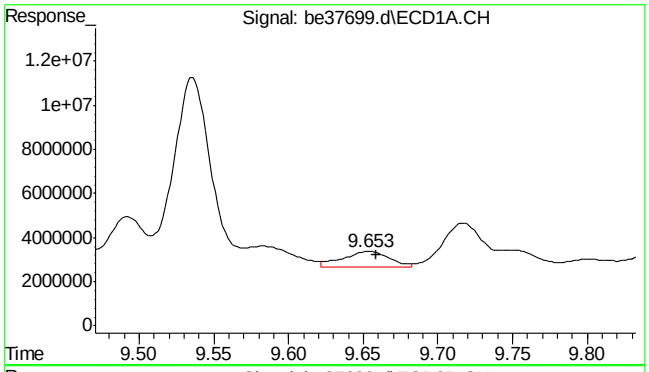
#20 Endrin Aldehyde

R.T.: 9.078 min
Delta R.T.: 0.006 min
Response: 54188195
Conc: 26.82 ppb



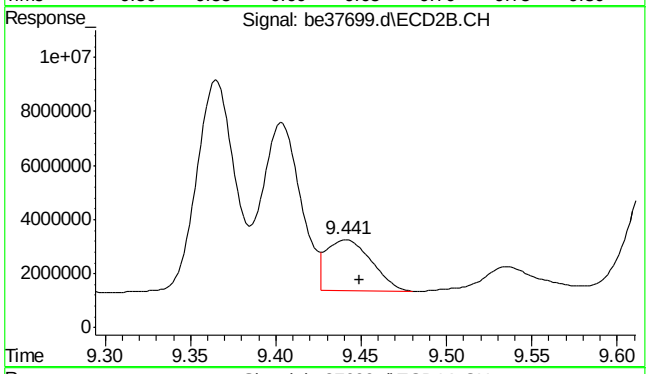
#20 Endrin Aldehyde

R.T.: 9.061 min
Delta R.T.: -0.019 min
Response: 31183965
Conc: 24.34 ppb m



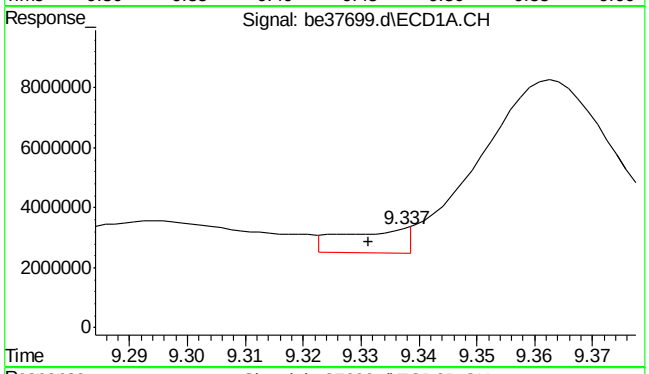
#21 Endosulfan Sulfate

R.T.: 9.653 min
Delta R.T.: -0.006 min
Response: 15154260
Conc: 6.59 ppb m



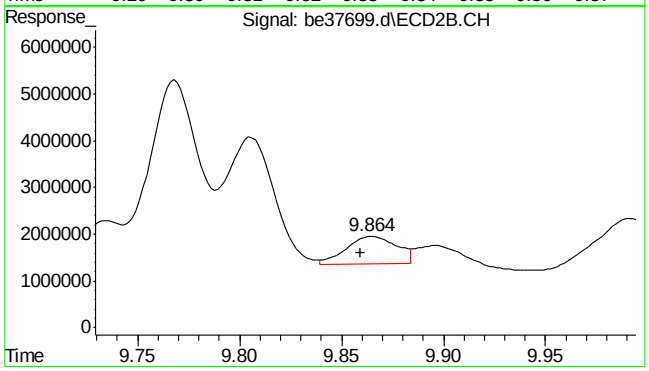
#21 Endosulfan Sulfate

R.T.: 9.441 min
Delta R.T.: -0.008 min
Response: 34648430
Conc: 23.65 ppb m



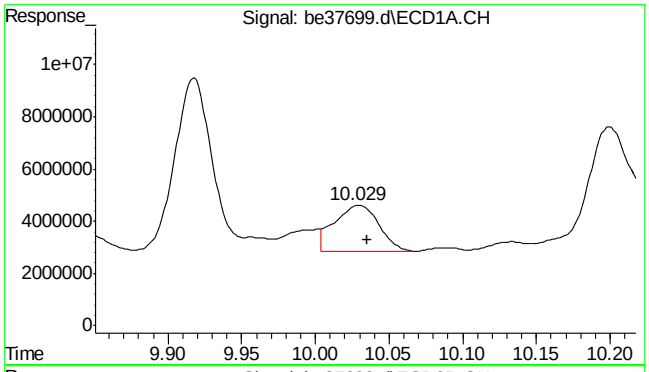
#22 Methoxychlor

R.T.: 9.337 min
Delta R.T.: 0.006 min
Response: 5813579
Conc: 5.17 ppb m



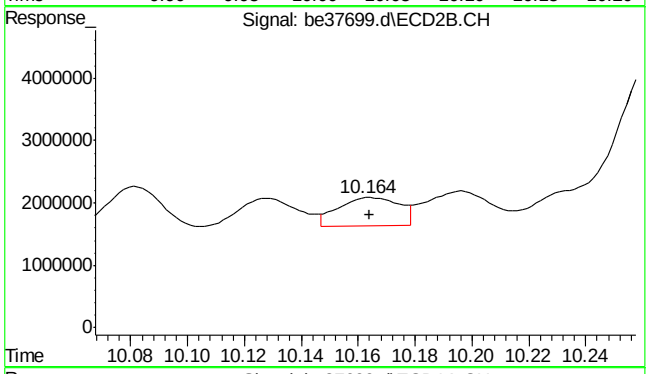
#22 Methoxychlor

R.T.: 9.864 min
Delta R.T.: 0.004 min
Response: 9883255
Conc: 14.30 ppb m



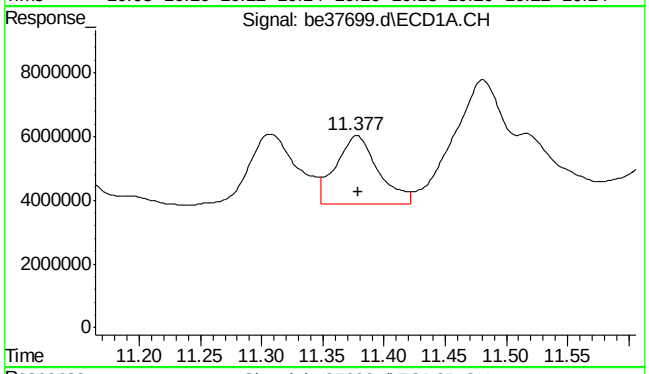
#23 Endrin Ketone

R.T.: 10.029 min
Delta R.T.: -0.006 min
Response: 36785968
Conc: 14.55 ppb m



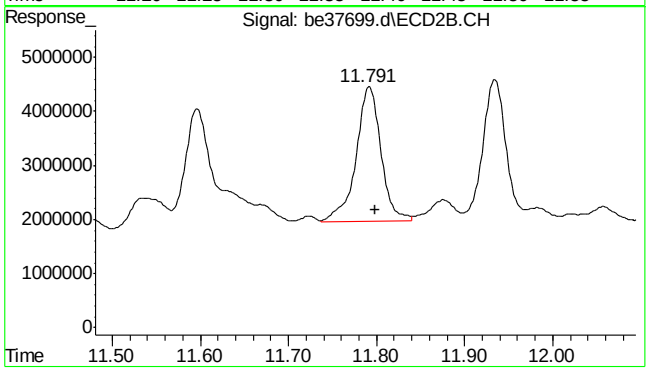
#23 Endrin Ketone

R.T.: 10.164 min
Delta R.T.: 0.000 min
Response: 6773241
Conc: 2.72 ppb m



#38 DCB

R.T.: 11.377 min
Delta R.T.: -0.001 min
Response: 51402616
Conc: 26.40 ppb m



#38 DCB

R.T.: 11.791 min
Delta R.T.: -0.007 min
Response: 48603956
Conc: 47.49 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130816\
Data File : be37700.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16-Aug-13, 19:20:40
Operator : nickk
Sample : op34379-msd
Misc : op34379,gbe1962,15.21,,,10,,s
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 08:21:06 2013
Quant Method : C:\msdchem\1\methods\PT130816.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.634	3.599	38555249	16211895	13.383m	8.622m#
	Spiked Amount 40.000			Recovery	=	33.46%	21.56%
38) s	DCB	11.376	11.790	54251973	56189836	27.867m	54.897m#
	Spiked Amount 40.000			Recovery	=	69.67%	137.24%
	Target Compounds						
2)	Hexachlor...	4.235	4.319	44290539	23248686	10.292m	7.414m#
3)	Alpha-BHC	4.494	4.543	39180262	19066911	8.318m	5.149m#
4)	Gamma-BHC	4.979	5.086	31514458	18964678	7.430	5.622m
5)	Beta-BHC	5.111	5.223	6116077	5496620	3.468m	3.227m
6)	Heptachlor	5.689	5.721	32846273	11622043	7.865	2.674m#
7)	Delta-BHC	5.376	5.652	12652338	6368063	3.036m	0.786m#
8)	Alachlor	6.354	6.073	37351933	19661176	114.502	68.605m#
9)	Aldrin	6.129	6.188	23404750	18420196	6.185	6.013m
10)	Heptachlo...	7.011	7.006	154.8E6	42118768	47.795	21.211m#
11)	Gamma-Chl...	7.163	7.273	29456299	232.2E6	8.517m	119.666m#
12)	Alpha-Chl...	7.369	7.469	18663525	22129813	5.951m	9.812m#
13)	Endosulfan-I	7.541	7.539	30058985	4936808	9.594m	0.837m#
14)	4,4'-DDE	7.474	7.721	89568774	8652829	31.155m	3.273m#
15)	Dieldrin	7.878	7.913	440.2E6	71226703	143.225m	35.880m#
16)	Endrin	8.189	8.341	28849311	15444687	10.596m	7.276m#
17)	4,4'-DDD	8.291	8.505	39295304	11532609	17.586m	6.925m#
18)	Endosulfa...	8.496	8.643f	109.5E6	184.8E6	43.308	126.327m#
19)	4,4'-DDT	8.665	8.924	209.2E6	425.6E6	82.063m	324.606m#
20)	Endrin Al...	9.077	9.061f	47996818	43670758	23.668m	35.042m#
21)	Endosulfa...	9.656	9.441	24702907	41585032	10.942m	28.963m#
22)	Methoxychlor	9.336	9.864	9223893	9524190	8.168m	13.749m#
23)	Endrin Ke...	10.030	10.164	46068596	8041854	18.327m	3.595m#

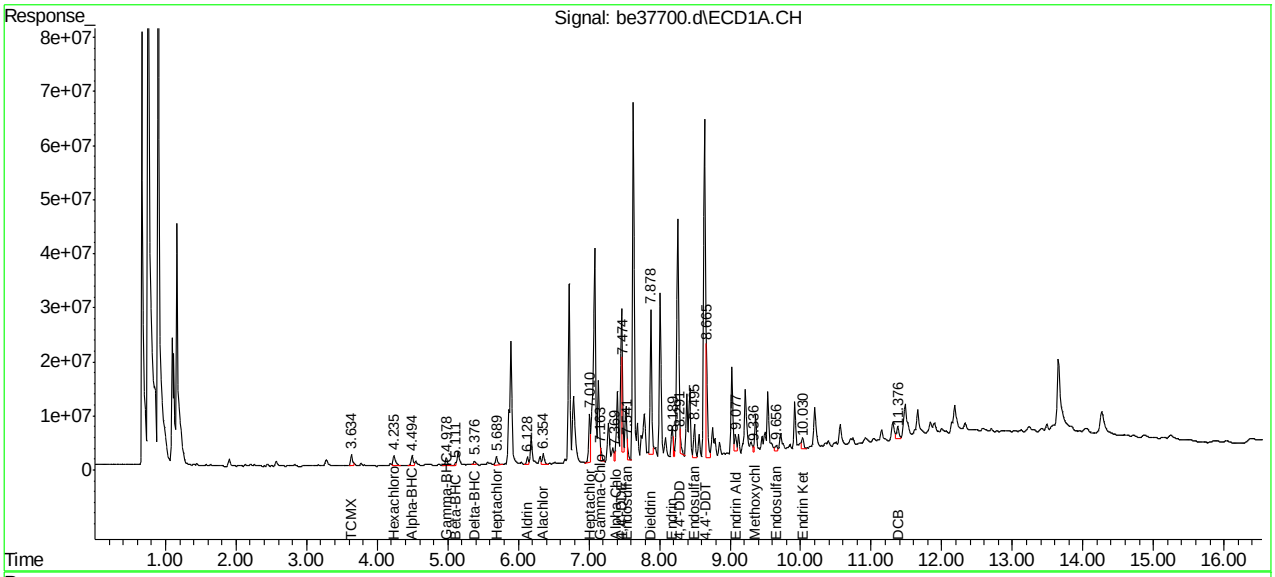
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

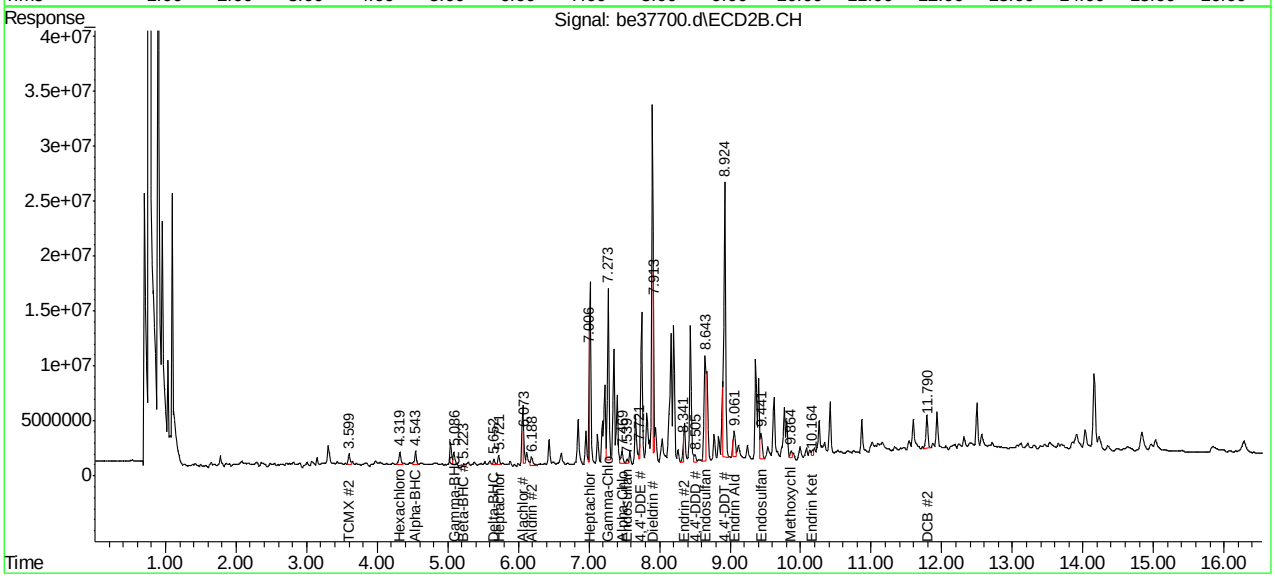
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130816\
Data File : be37700.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16-Aug-13, 19:20:40
Operator : nickk
Sample : op34379-msd
Misc : op34379,gbe1962,15.21,,,10,,s
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

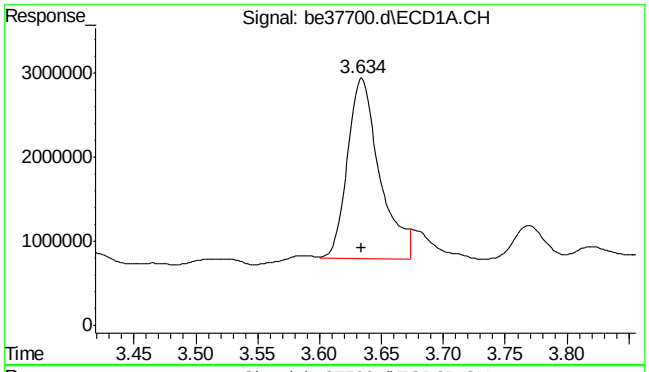
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 08:21:06 2013
Quant Method : C:\msdchem\1\methods\PT130816.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



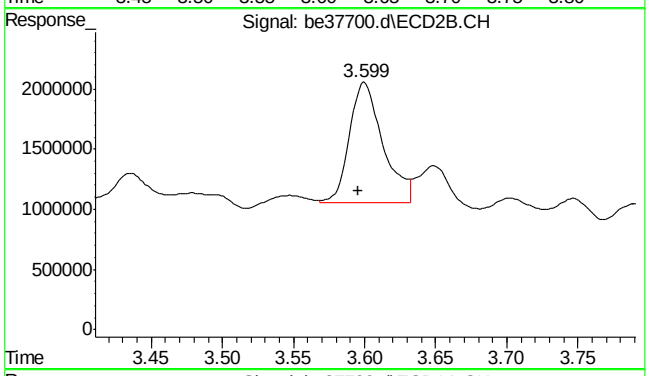


ACCUTEST LABORATORIES MC23456



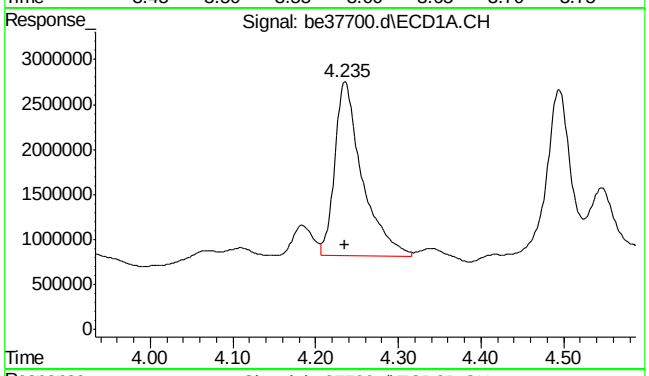
#1 TCMX

R.T.: 3.634 min
Delta R.T.: 0.000 min
Response: 38555249
Conc: 13.38 ppb m



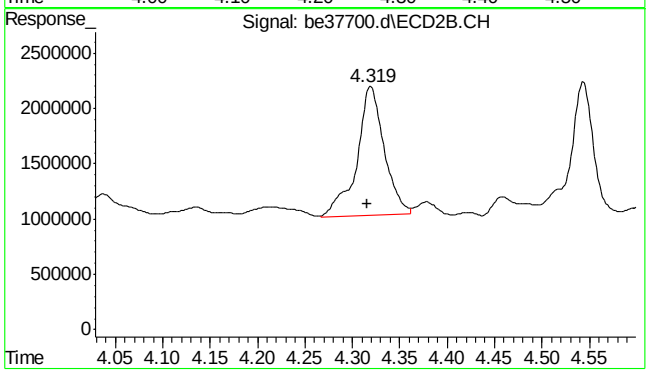
#1 TCMX

R.T.: 3.599 min
Delta R.T.: 0.004 min
Response: 16211895
Conc: 8.62 ppb m



#2 Hexachlorobenzene

R.T.: 4.235 min
Delta R.T.: 0.000 min
Response: 44290539
Conc: 10.29 ppb m

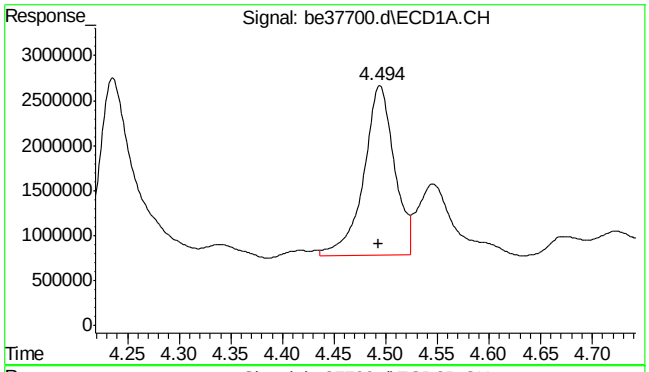


#2 Hexachlorobenzene

R.T.: 4.319 min
Delta R.T.: 0.003 min
Response: 23248686
Conc: 7.41 ppb m

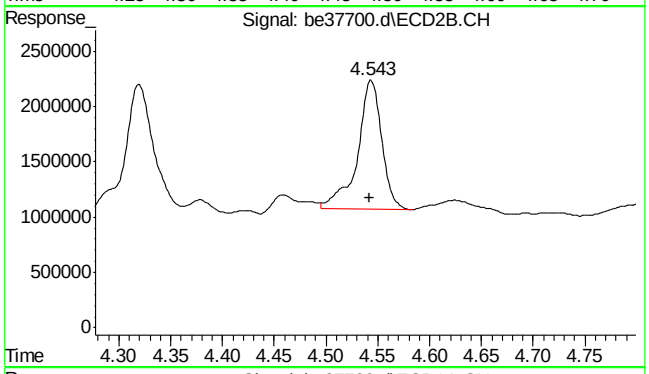
9.4.2

9



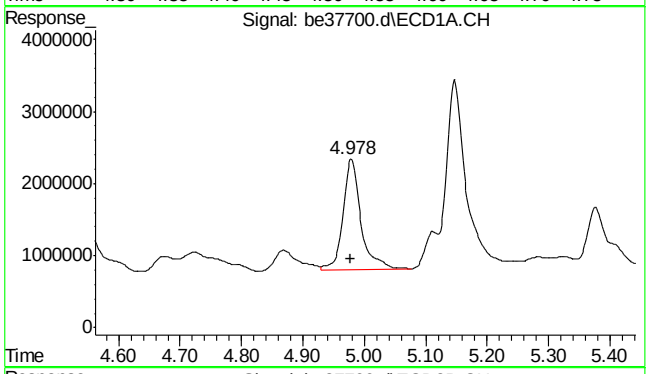
#3 Alpha-BHC

R.T.: 4.494 min
Delta R.T.: 0.000 min
Response: 39180262
Conc: 8.32 ppb m



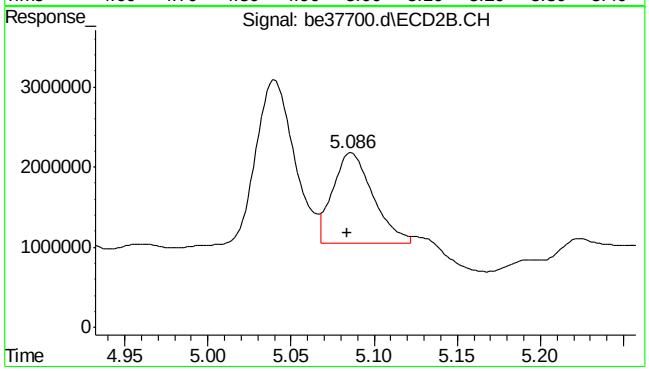
#3 Alpha-BHC

R.T.: 4.543 min
Delta R.T.: 0.001 min
Response: 19066911
Conc: 5.15 ppb m



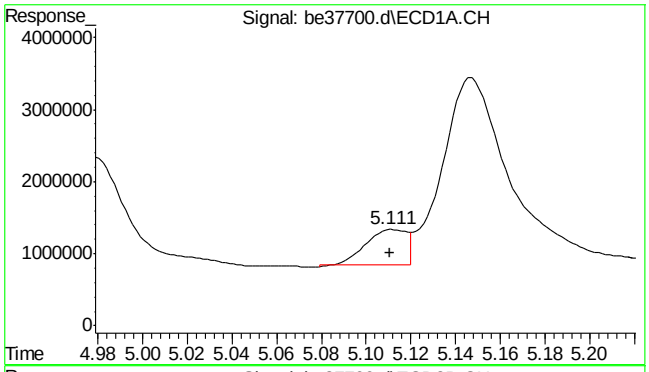
#4 Gamma-BHC

R.T.: 4.979 min
Delta R.T.: 0.002 min
Response: 31514458
Conc: 7.43 ppb



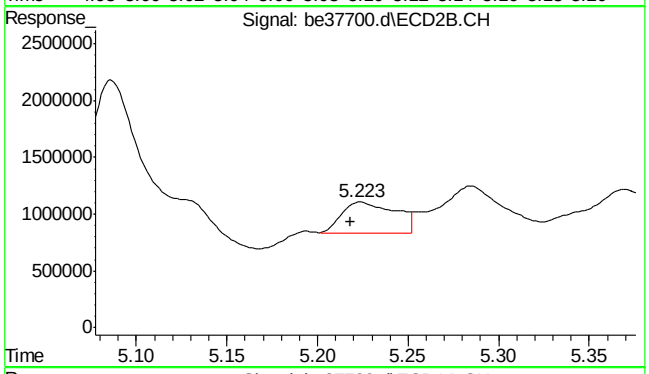
#4 Gamma-BHC

R.T.: 5.086 min
Delta R.T.: 0.002 min
Response: 18964678
Conc: 5.62 ppb m



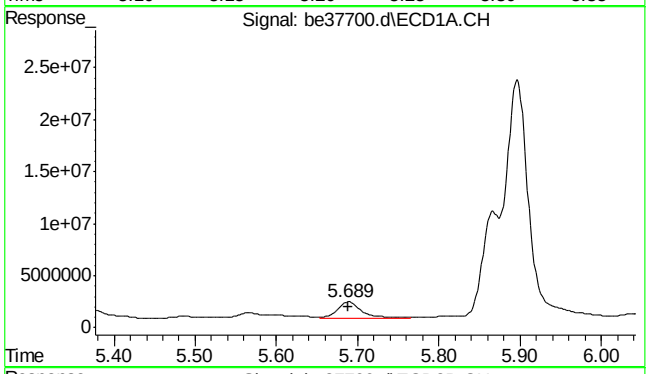
#5 Beta-BHC

R.T.: 5.111 min
Delta R.T.: 0.000 min
Response: 6116077
Conc: 3.47 ppb m



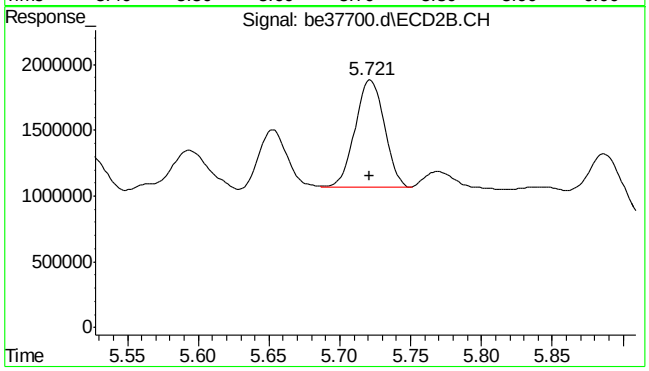
#5 Beta-BHC

R.T.: 5.223 min
Delta R.T.: 0.005 min
Response: 5496620
Conc: 3.23 ppb m



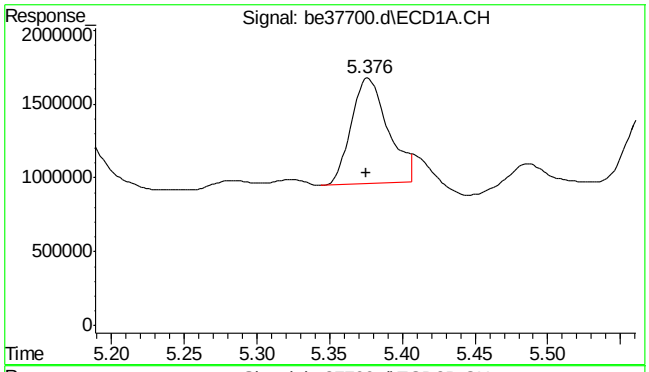
#6 Heptachlor

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 32846273
Conc: 7.87 ppb



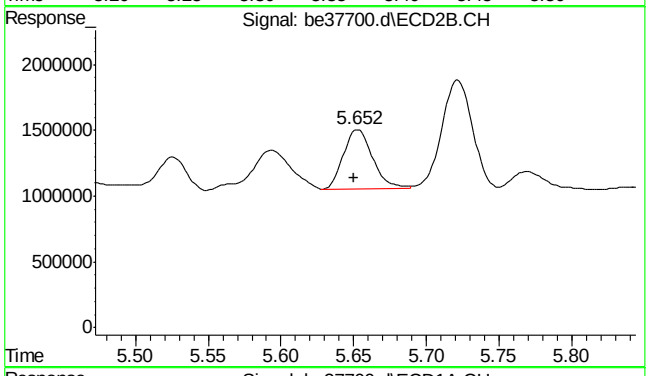
#6 Heptachlor

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 11622043
Conc: 2.67 ppb m



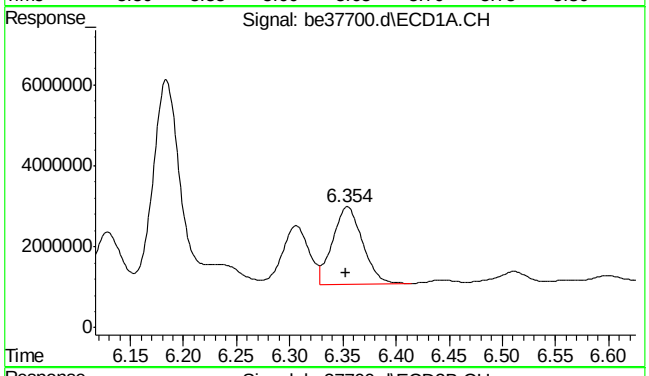
#7 Delta-BHC

R.T.: 5.376 min
Delta R.T.: 0.000 min
Response: 12652338
Conc: 3.04 ppb m



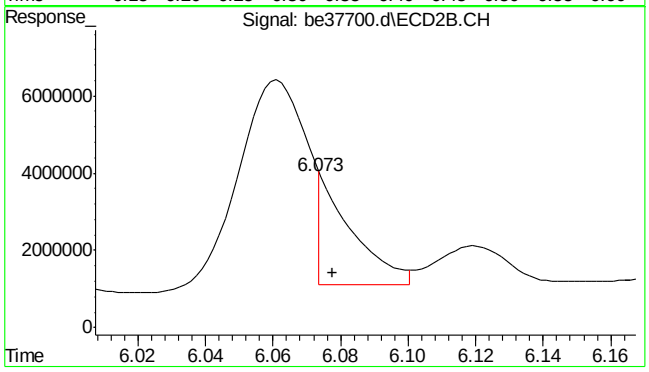
#7 Delta-BHC

R.T.: 5.652 min
Delta R.T.: 0.003 min
Response: 6368063
Conc: 0.79 ppb m



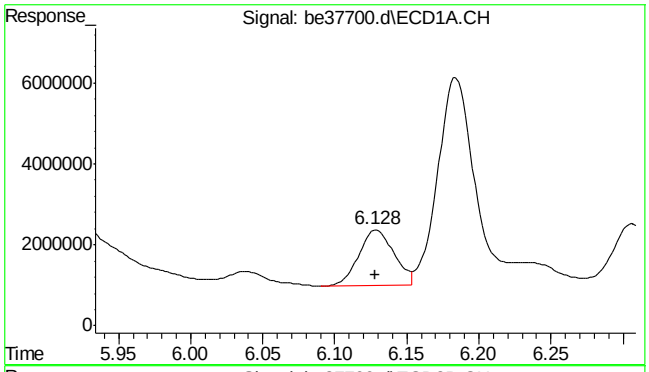
#8 Alachlor

R.T.: 6.354 min
Delta R.T.: 0.001 min
Response: 37351933
Conc: 114.50 ppb



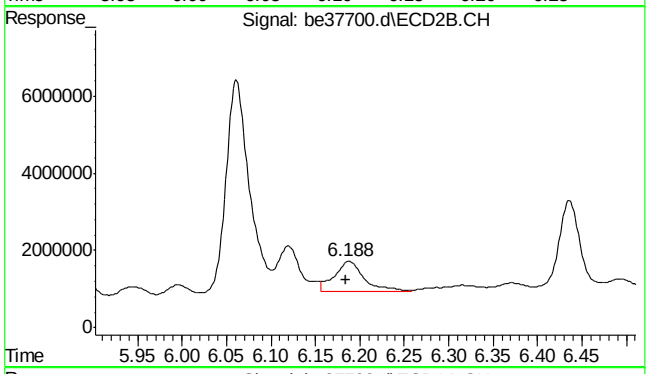
#8 Alachlor

R.T.: 6.073 min
Delta R.T.: -0.004 min
Response: 19661176
Conc: 68.61 ppb m



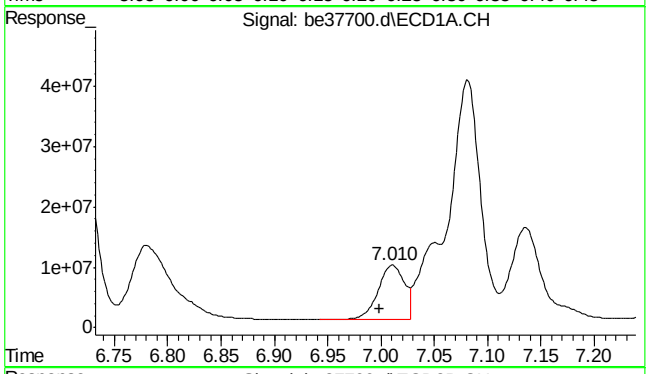
#9 Aldrin

R.T.: 6.129 min
Delta R.T.: 0.001 min
Response: 23404750
Conc: 6.19 ppb



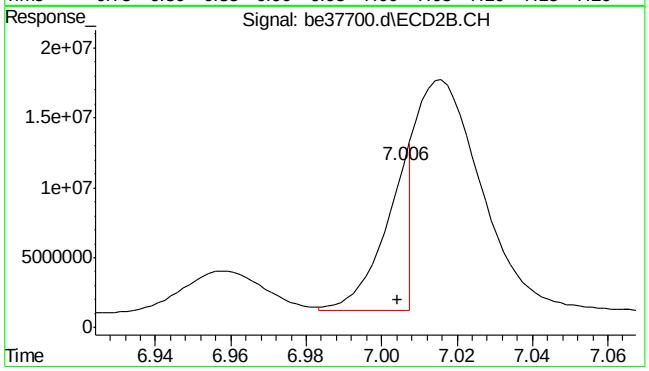
#9 Aldrin

R.T.: 6.188 min
Delta R.T.: 0.003 min
Response: 18420196
Conc: 6.01 ppb m



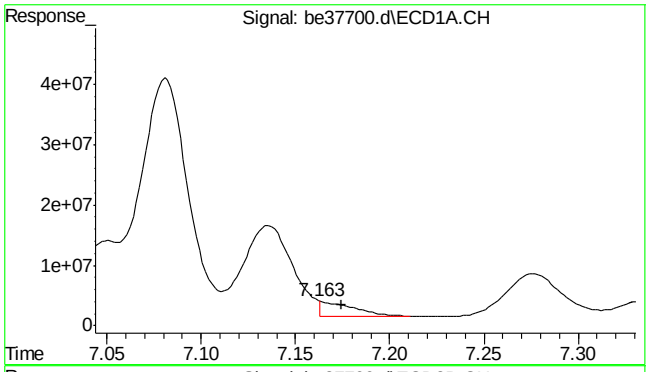
#10 Heptachlor Epoxide

R.T.: 7.011 min
Delta R.T.: 0.012 min
Response: 154770880
Conc: 47.80 ppb



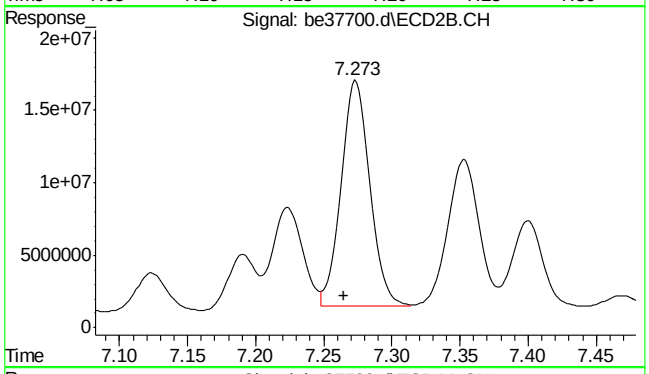
#10 Heptachlor Epoxide

R.T.: 7.006 min
Delta R.T.: 0.002 min
Response: 42118768
Conc: 21.21 ppb m



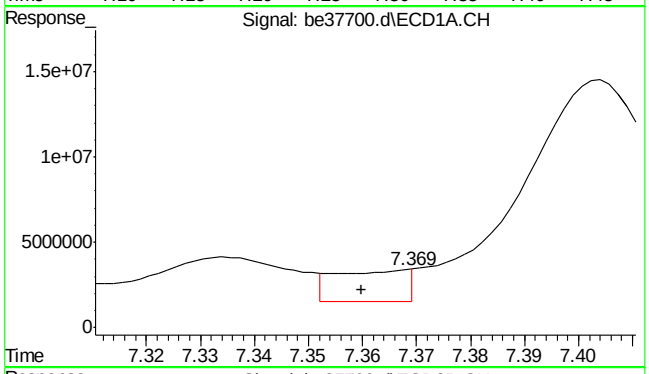
#11 Gamma-Chlordane

R.T.: 7.163 min
Delta R.T.: -0.012 min
Response: 29456299
Conc: 8.52 ppb m



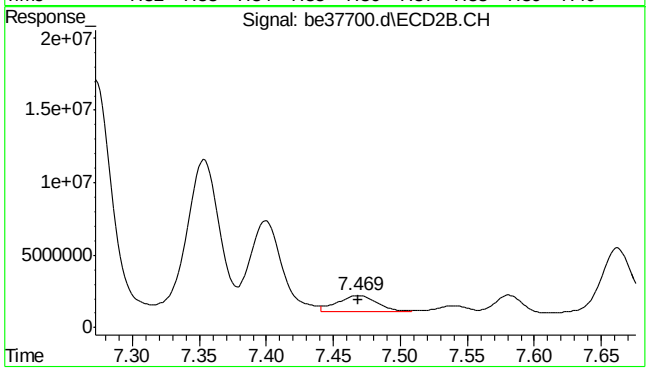
#11 Gamma-Chlordane

R.T.: 7.273 min
Delta R.T.: 0.008 min
Response: 232226778
Conc: 119.67 ppb m



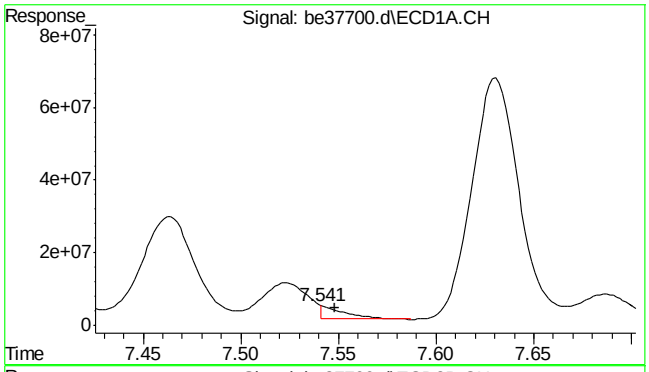
#12 Alpha-Chlordane

R.T.: 7.369 min
Delta R.T.: 0.009 min
Response: 18663525
Conc: 5.95 ppb m



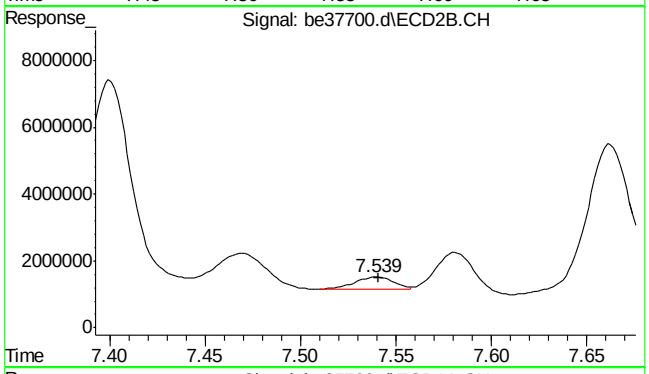
#12 Alpha-Chlordane

R.T.: 7.469 min
Delta R.T.: 0.000 min
Response: 22129813
Conc: 9.81 ppb m



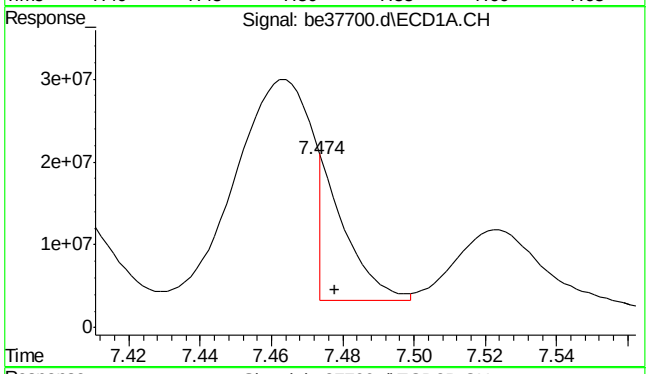
#13 Endosulfan-I

R.T.: 7.541 min
Delta R.T.: -0.007 min
Response: 30058985
Conc: 9.59 ppb m



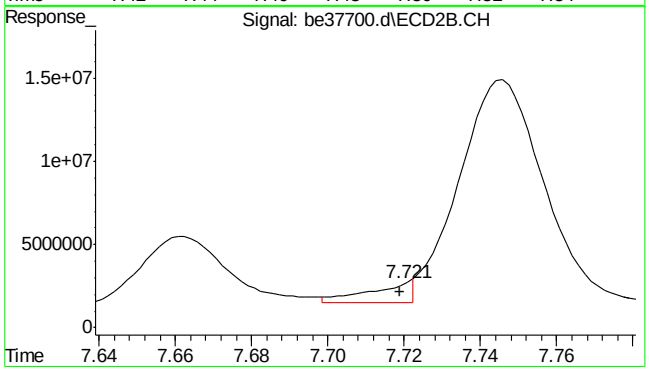
#13 Endosulfan-I

R.T.: 7.539 min
Delta R.T.: -0.001 min
Response: 4936808
Conc: 0.84 ppb m



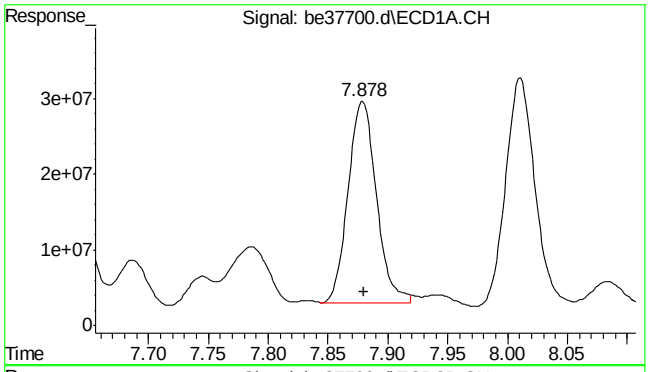
#14 4,4'-DDE

R.T.: 7.474 min
Delta R.T.: -0.004 min
Response: 89568774
Conc: 31.15 ppb m



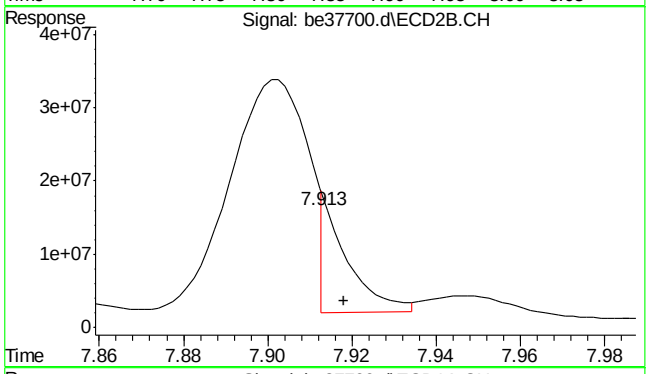
#14 4,4'-DDE

R.T.: 7.721 min
Delta R.T.: 0.002 min
Response: 8652829
Conc: 3.27 ppb m



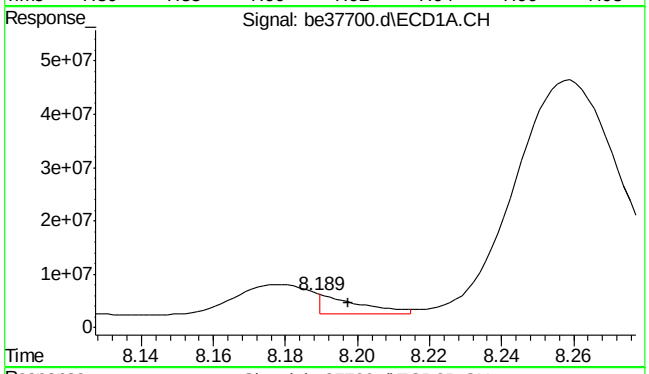
#15 Dieldrin

R.T.: 7.878 min
Delta R.T.: -0.001 min
Response: 440155829
Conc: 143.22 ppb m



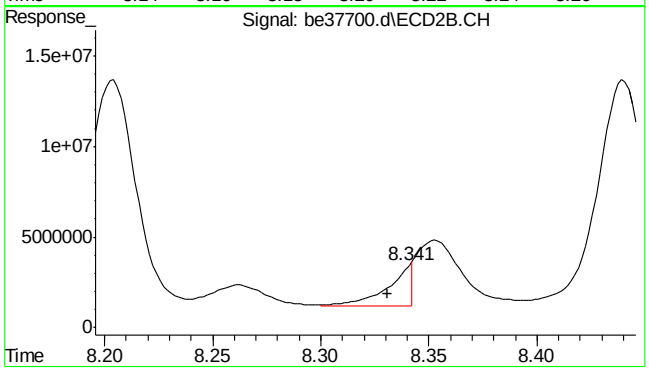
#15 Dieldrin

R.T.: 7.913 min
Delta R.T.: -0.005 min
Response: 71226703
Conc: 35.88 ppb m



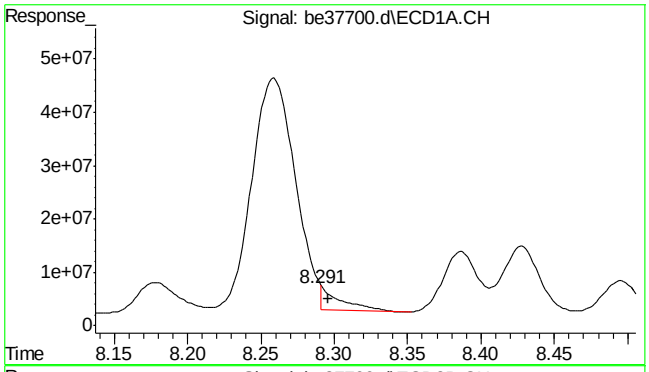
#16 Endrin

R.T.: 8.189 min
Delta R.T.: -0.008 min
Response: 28849311
Conc: 10.60 ppb m



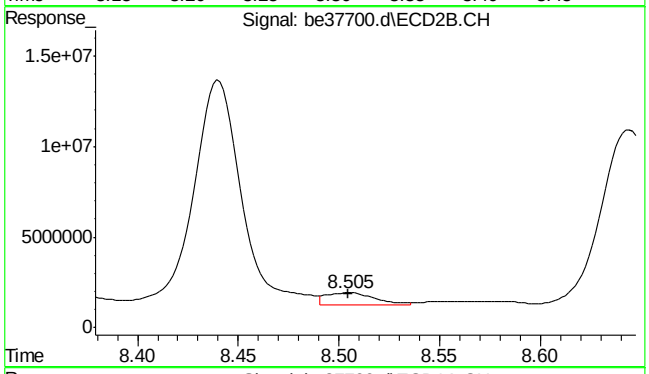
#16 Endrin

R.T.: 8.341 min
Delta R.T.: 0.010 min
Response: 15444687
Conc: 7.28 ppb m



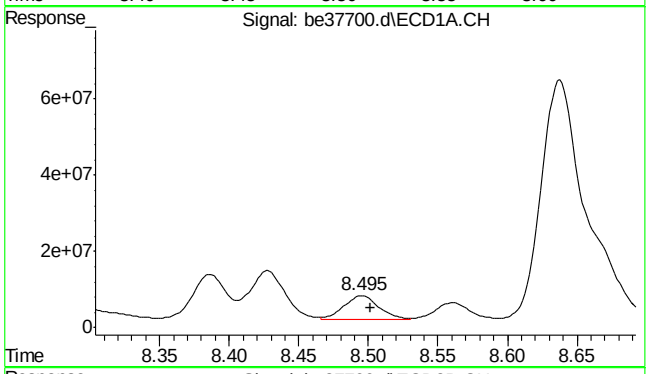
#17 4,4'-DDD

R.T.: 8.291 min
Delta R.T.: -0.005 min
Response: 39295304
Conc: 17.59 ppb m



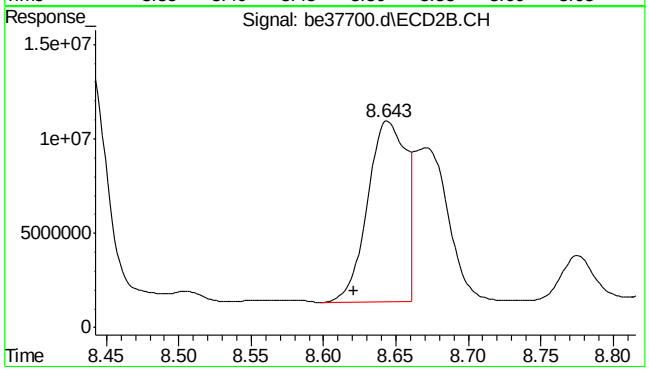
#17 4,4'-DDD

R.T.: 8.505 min
Delta R.T.: 0.000 min
Response: 11532609
Conc: 6.93 ppb m



#18 Endosulfan-II

R.T.: 8.496 min
Delta R.T.: -0.006 min
Response: 109476274
Conc: 43.31 ppb

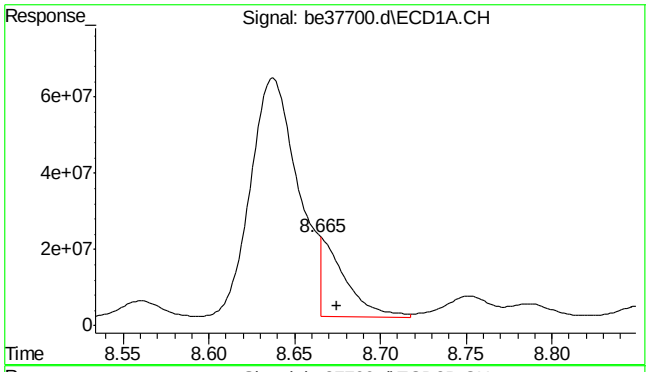


#18 Endosulfan-II

R.T.: 8.643 min
Delta R.T.: 0.022 min
Response: 184811670
Conc: 126.33 ppb m

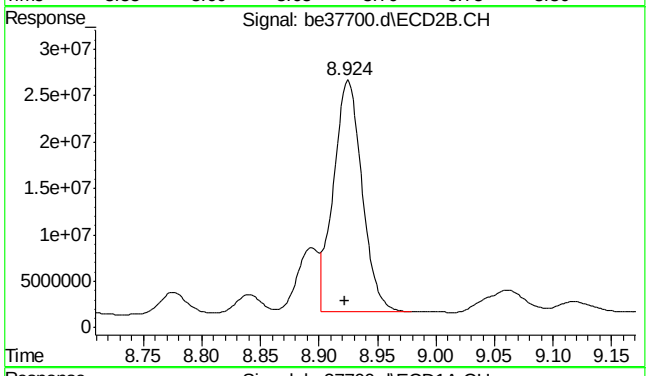
9.4.2

9



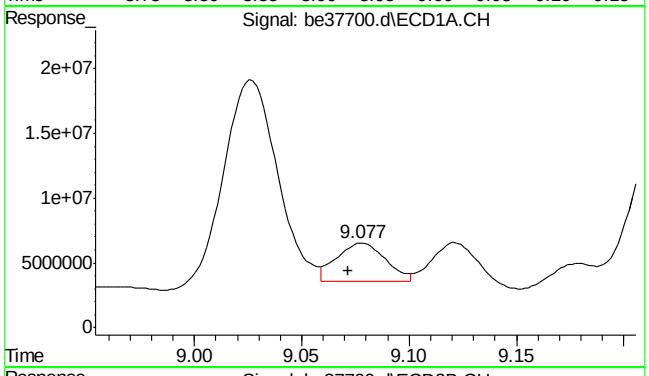
#19 4,4'-DDT

R.T.: 8.665 min
Delta R.T.: -0.010 min
Response: 209219230
Conc: 82.06 ppb m



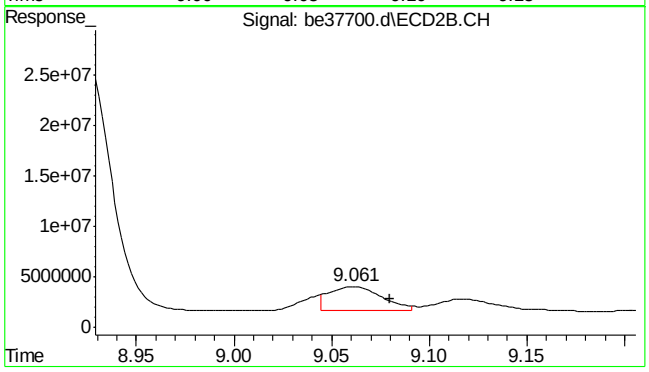
#19 4,4'-DDT

R.T.: 8.924 min
Delta R.T.: 0.002 min
Response: 425622206
Conc: 324.61 ppb m



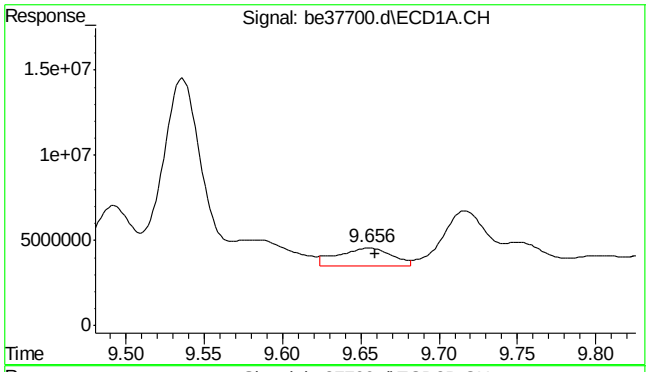
#20 Endrin Aldehyde

R.T.: 9.077 min
Delta R.T.: 0.006 min
Response: 47996818
Conc: 23.67 ppb m



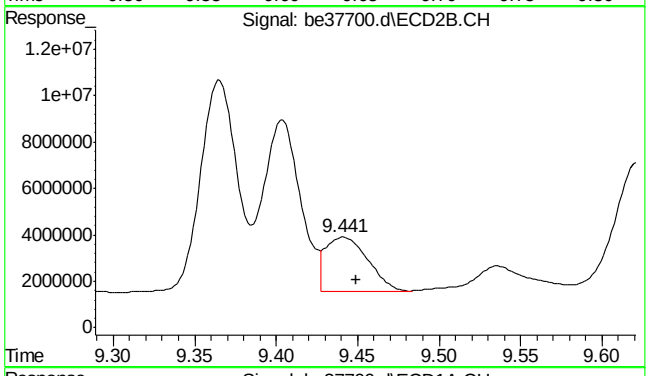
#20 Endrin Aldehyde

R.T.: 9.061 min
Delta R.T.: -0.018 min
Response: 43670758
Conc: 35.04 ppb m



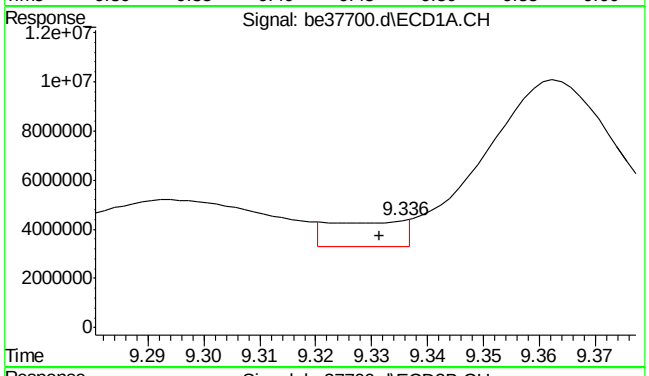
#21 Endosulfan Sulfate

R.T.: 9.656 min
Delta R.T.: -0.003 min
Response: 24702907
Conc: 10.94 ppb m



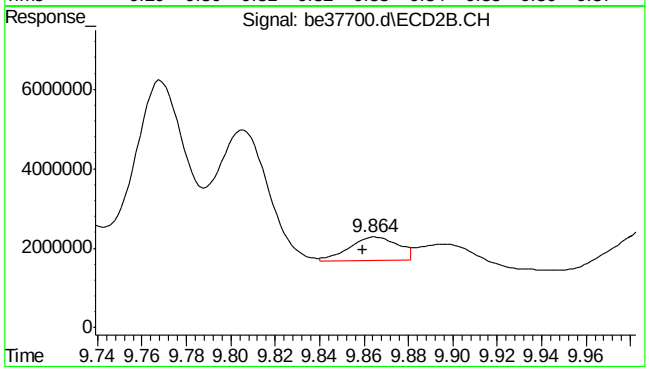
#21 Endosulfan Sulfate

R.T.: 9.441 min
Delta R.T.: -0.008 min
Response: 41585032
Conc: 28.96 ppb m



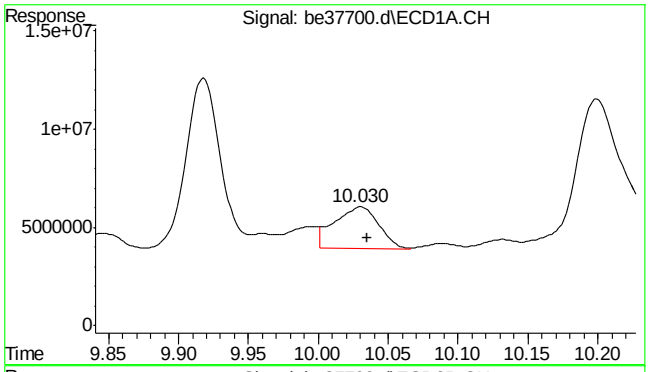
#22 Methoxychlor

R.T.: 9.336 min
Delta R.T.: 0.004 min
Response: 9223893
Conc: 8.17 ppb m



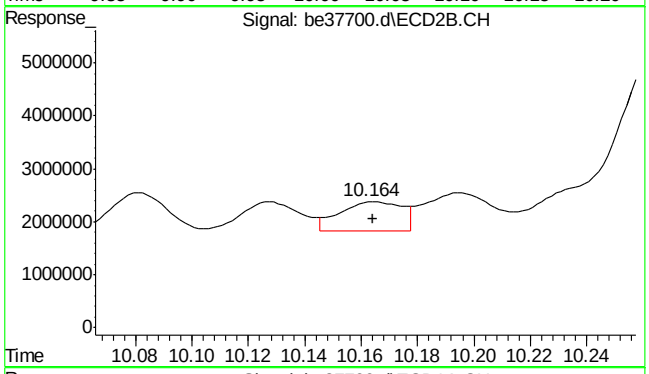
#22 Methoxychlor

R.T.: 9.864 min
Delta R.T.: 0.005 min
Response: 9524190
Conc: 13.75 ppb m



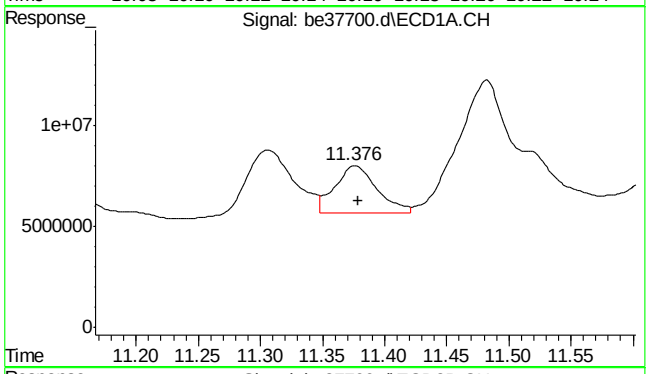
#23 Endrin Ketone

R.T.: 10.030 min
Delta R.T.: -0.005 min
Response: 46068596
Conc: 18.33 ppb m



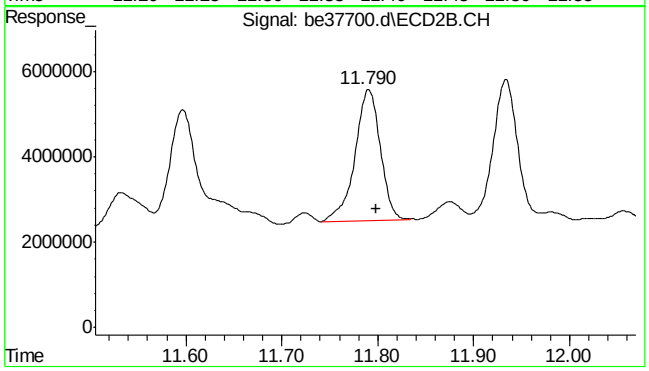
#23 Endrin Ketone

R.T.: 10.164 min
Delta R.T.: 0.000 min
Response: 8041854
Conc: 3.59 ppb m



#38 DCB

R.T.: 11.376 min
Delta R.T.: -0.003 min
Response: 54251973
Conc: 27.87 ppb m



#38 DCB

R.T.: 11.790 min
Delta R.T.: -0.008 min
Response: 56189836
Conc: 54.90 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/19/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130816\
Data File : BK28097.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Aug 2013 6:53 am
Operator : nickk
Sample : op34373-ms
Misc : op34373,gbk956,15.29,,,10,,s
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 14:42:26 2013
Quant Method : C:\msdchem\1\METHODS\PC130816.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.399	2.372	6398.1E6	131.5E6	24.704m	17.637m#
	Spiked Amount 40.000			Recovery	=	61.76%	44.09%
13) s	DCB	9.241	9.881	10665.7E6	198.5E6	31.329m	23.873
	Spiked Amount 40.000			Recovery	=	78.32%	59.68%
	Target Compounds						
2)	AR1016-A	2.684	2.761	853.6E6	29047930	197.658m	232.495m
3)	AR1016-B	2.982	3.103	1735.2E6	74372024	177.724m	276.730m#
4)	AR1016-C	3.404	3.495	5922.7E6	139.1E6	274.576m	267.904m
5)	AR1016-D	3.523f	3.665	7223.8E6	38684569	544.440m	185.833m#
6)	AR1016-E	3.948	4.155	1792.0E6	59614416	206.107m	238.137m
7)	AR1260-A	5.385	5.719	4518.0E6	92592197	293.651m	256.398m
8)	AR1260-B	5.752	6.005	12597.0E6	104.7E6	399.240m	243.098m#
9)	AR1260-C	6.294	6.645	16398.8E6	280.1E6	294.400m	257.360m
10)	AR1260-D	7.098	7.462	13927.4E6	210.8E6	319.806m	253.960
11)	AR1260-E	7.522	8.024	11979.1E6	200.9E6	304.235m	249.183m
12)	AR1260-F	8.482	8.941	3075.7E6	58799137	319.571m	255.684m

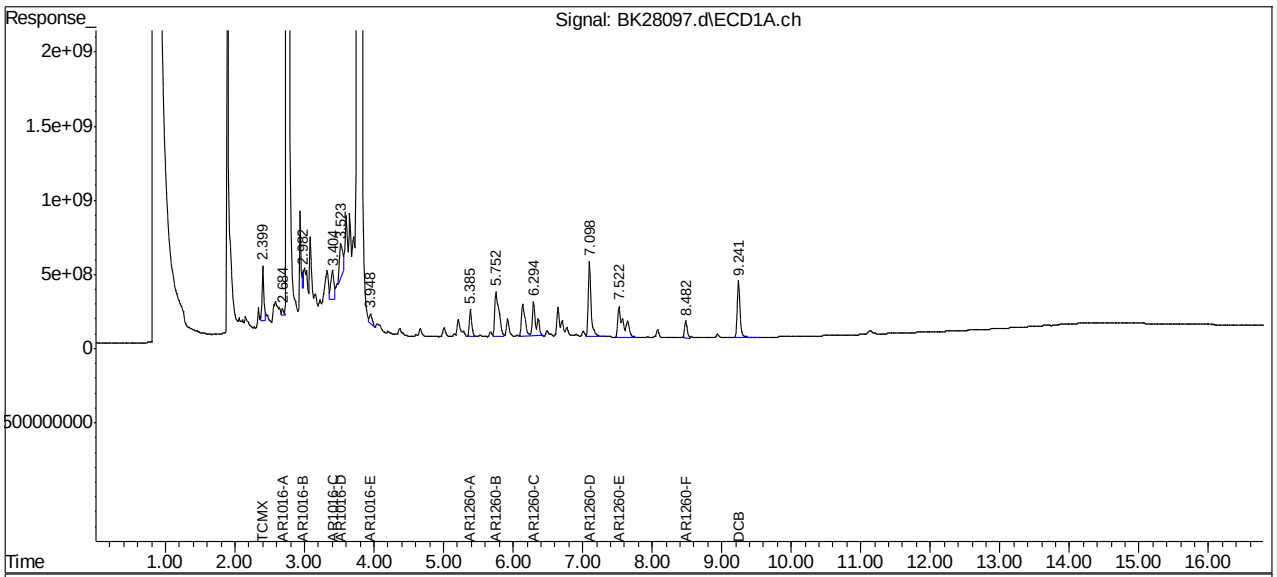
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

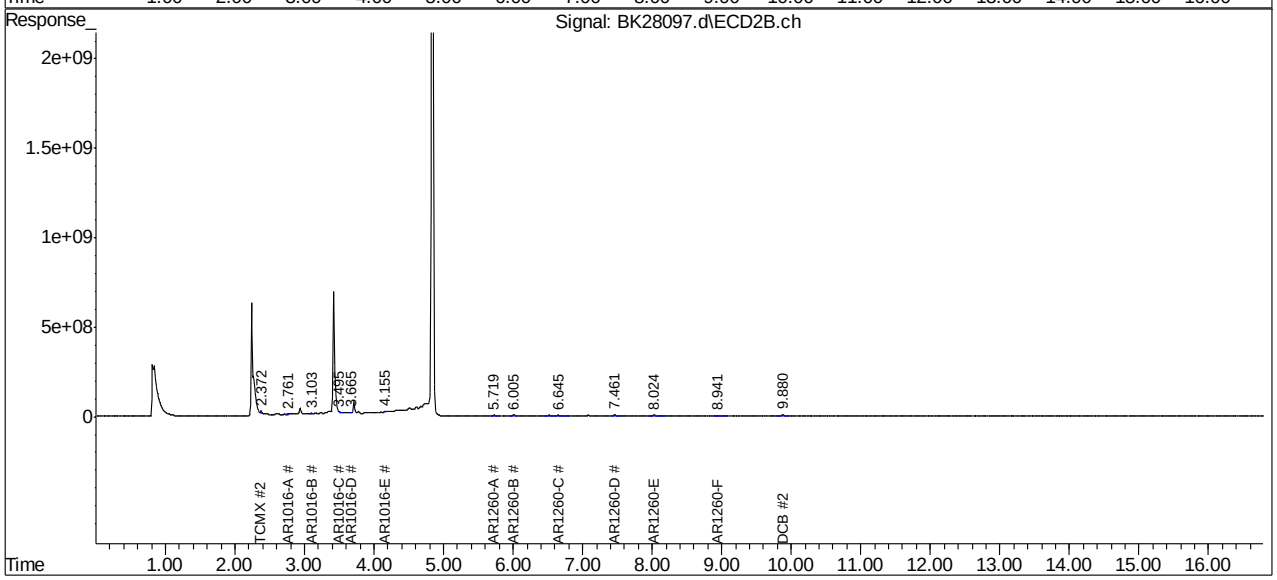
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130816\
Data File : BK28097.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Aug 2013 6:53 am
Operator : nickk
Sample : op34373-ms
Misc : op34373,gbk956,15.29,,,10,,s
ALS Vial : 59 Sample Multiplier: 1

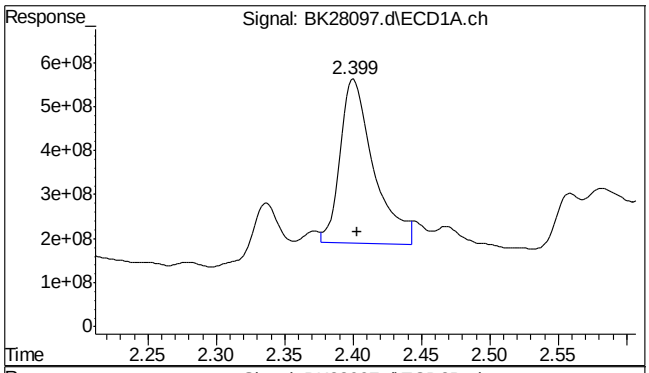
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 14:42:26 2013
Quant Method : C:\msdchem\1\METHODS\PC130816.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



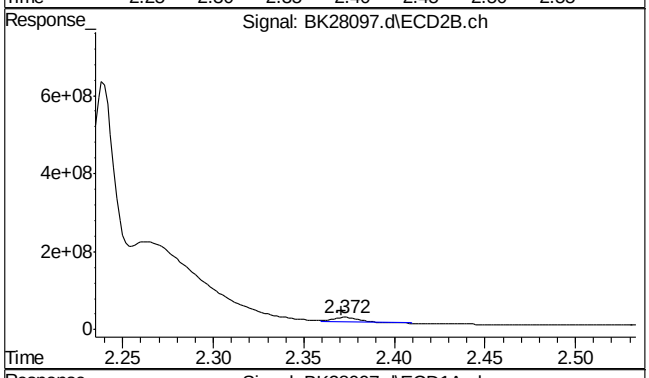


ACCUTEST LABORATORIES MC23456



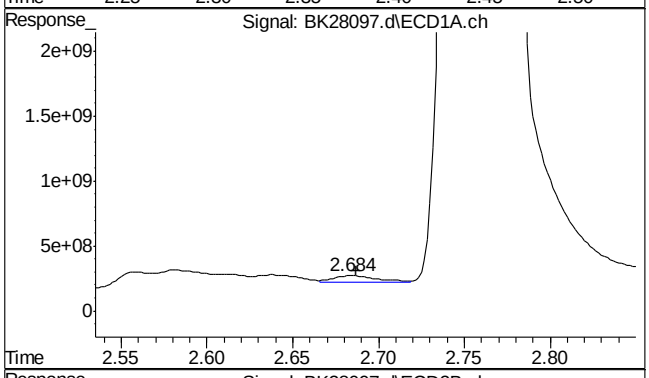
#1 TCMX

R.T.: 2.399 min
Delta R.T.: -0.004 min
Response: 6398097373
Conc: 24.70 ppb m



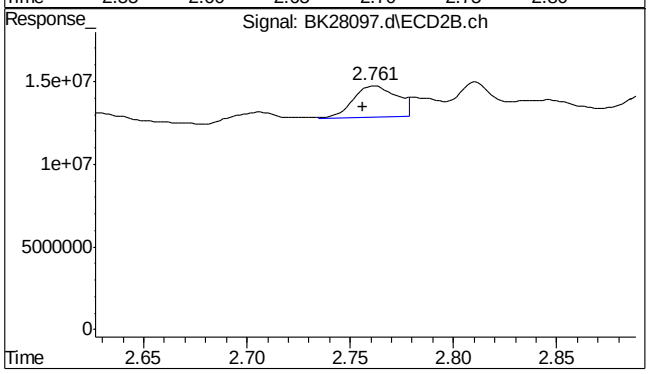
#1 TCMX

R.T.: 2.372 min
Delta R.T.: 0.001 min
Response: 131505048
Conc: 17.64 ppb m



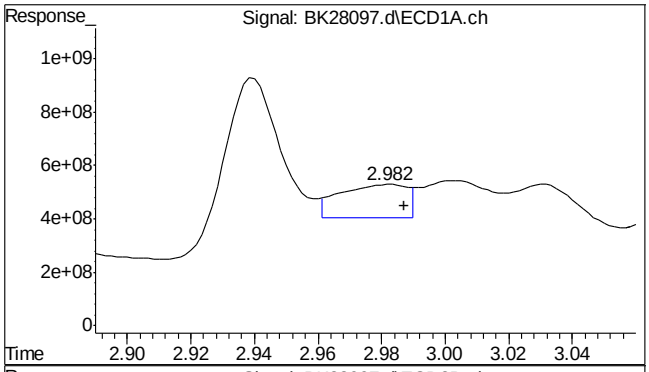
#2 AR1016-A

R.T.: 2.684 min
Delta R.T.: -0.003 min
Response: 853569461
Conc: 197.66 ppb m



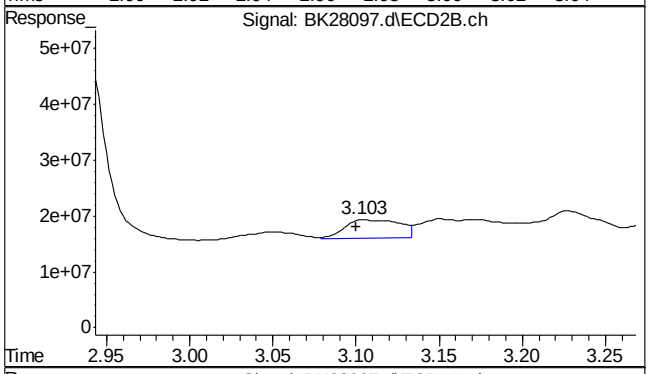
#2 AR1016-A

R.T.: 2.761 min
Delta R.T.: 0.005 min
Response: 29047930
Conc: 232.50 ppb m



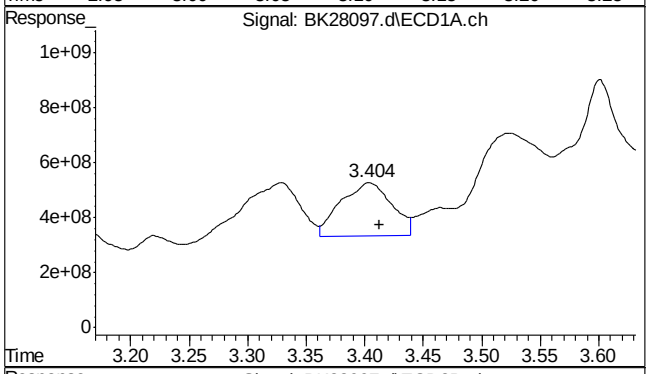
#3 AR1016-B

R.T.: 2.982 min
Delta R.T.: -0.005 min
Response: 1735227137
Conc: 177.72 ppb m



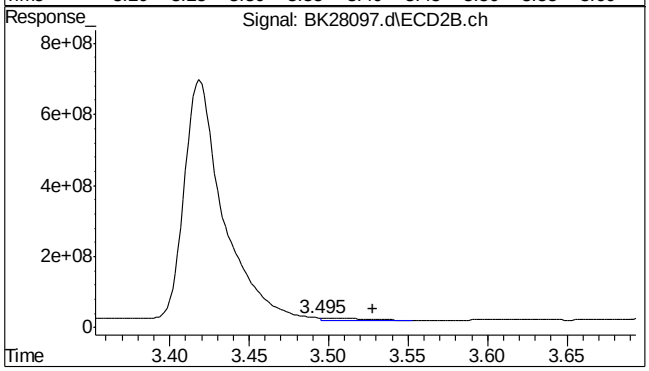
#3 AR1016-B

R.T.: 3.103 min
Delta R.T.: 0.003 min
Response: 74372024
Conc: 276.73 ppb m



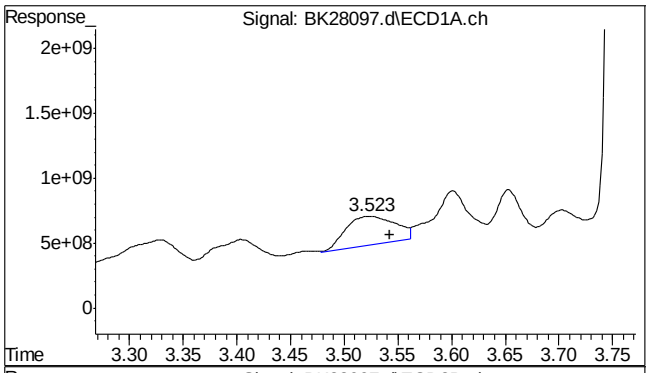
#4 AR1016-C

R.T.: 3.404 min
Delta R.T.: -0.009 min
Response: 5922667089
Conc: 274.58 ppb m



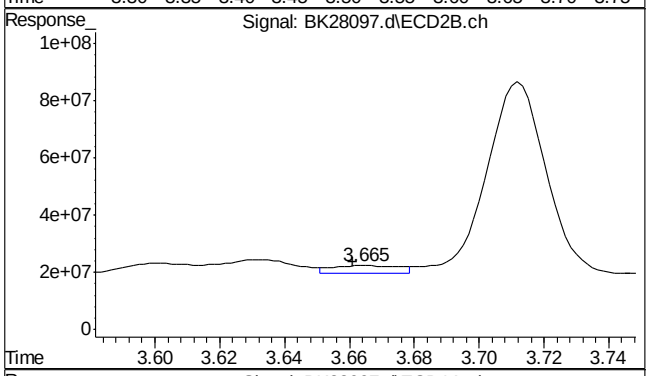
#4 AR1016-C

R.T.: 3.495 min
Delta R.T.: -0.033 min
Response: 139088845
Conc: 267.90 ppb m



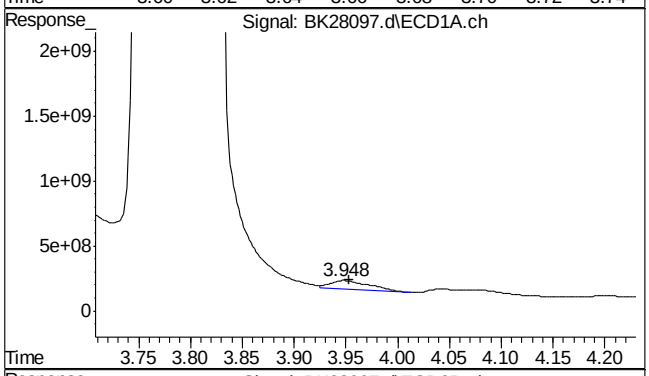
#5 AR1016-D

R.T.: 3.523 min
Delta R.T.: -0.019 min
Response: 7223751822
Conc: 544.44 m



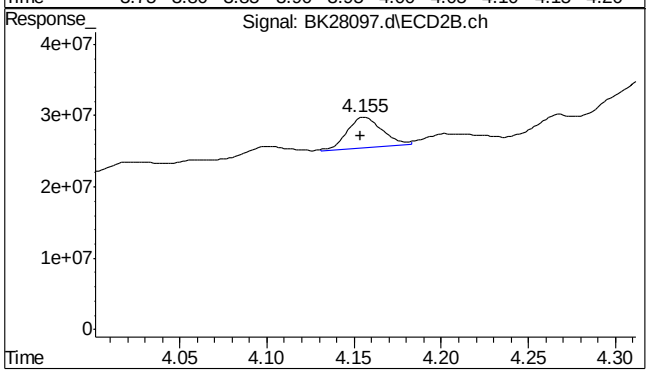
#5 AR1016-D

R.T.: 3.665 min
Delta R.T.: 0.004 min
Response: 38684569
Conc: 185.83 m



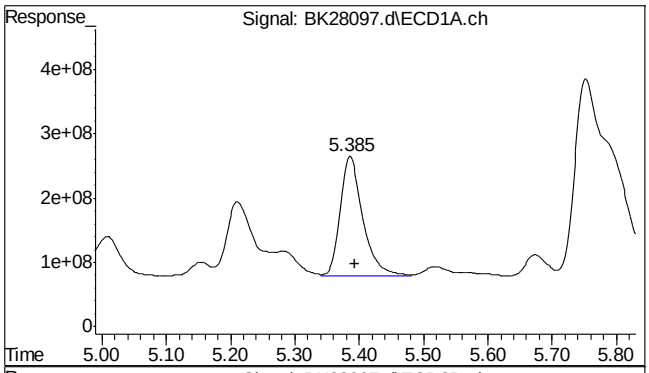
#6 AR1016-E

R.T.: 3.948 min
Delta R.T.: -0.006 min
Response: 1792006360
Conc: 206.11 m



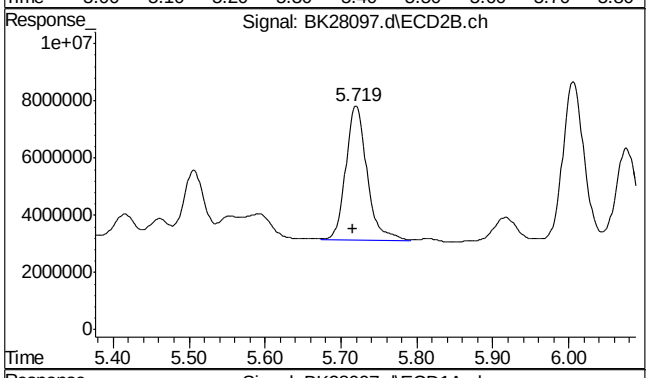
#6 AR1016-E

R.T.: 4.155 min
Delta R.T.: 0.001 min
Response: 59614416
Conc: 238.14 m



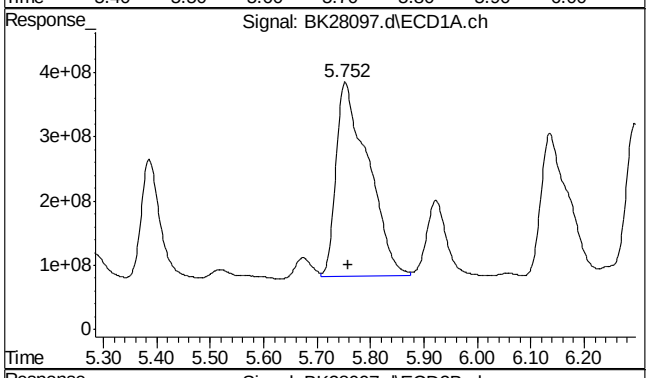
#7 AR1260-A

R.T.: 5.385 min
Delta R.T.: -0.008 min
Response: 4517967530
Conc: 293.65 ppb m



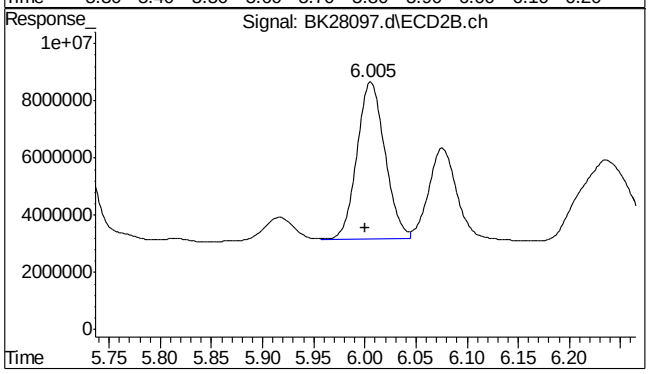
#7 AR1260-A

R.T.: 5.719 min
Delta R.T.: 0.004 min
Response: 92592197
Conc: 256.40 ppb m



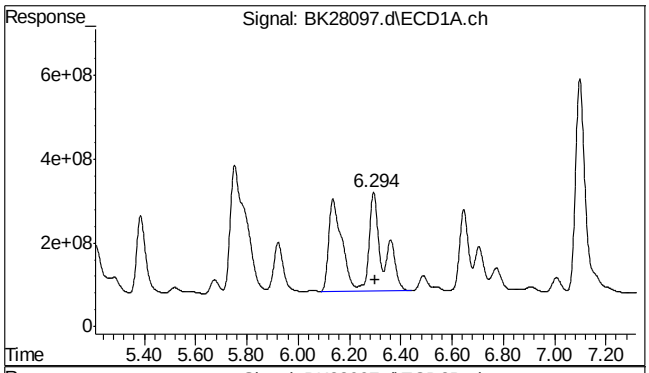
#8 AR1260-B

R.T.: 5.752 min
Delta R.T.: -0.006 min
Response: 12597010547
Conc: 399.24 ppb m



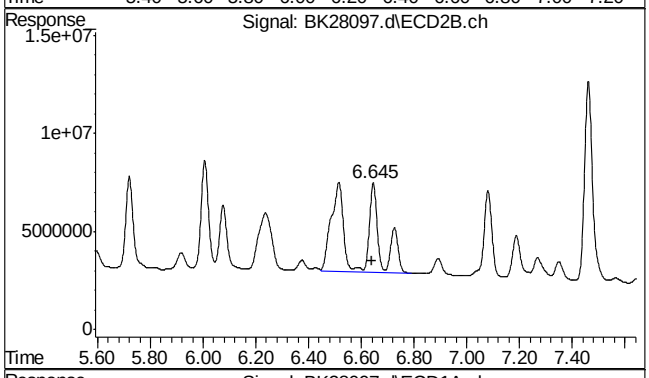
#8 AR1260-B

R.T.: 6.005 min
Delta R.T.: 0.005 min
Response: 104675983
Conc: 243.10 ppb m



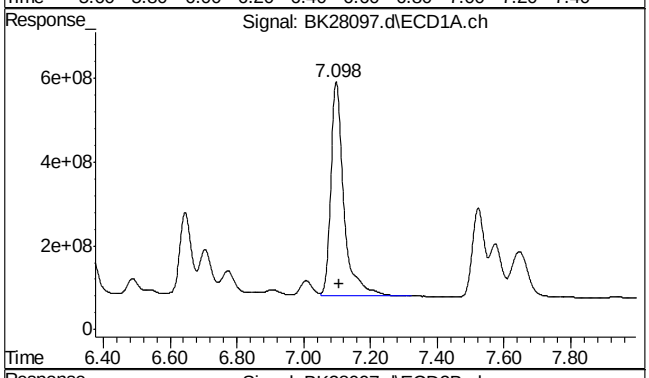
#9 AR1260-C

R.T.: 6.294 min
Delta R.T.: -0.007 min
Response: 16398810334
Conc: 294.40 ppb m



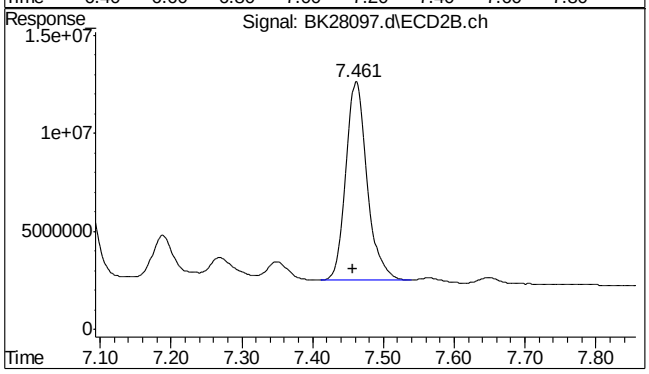
#9 AR1260-C

R.T.: 6.645 min
Delta R.T.: 0.004 min
Response: 280084043
Conc: 257.36 ppb m



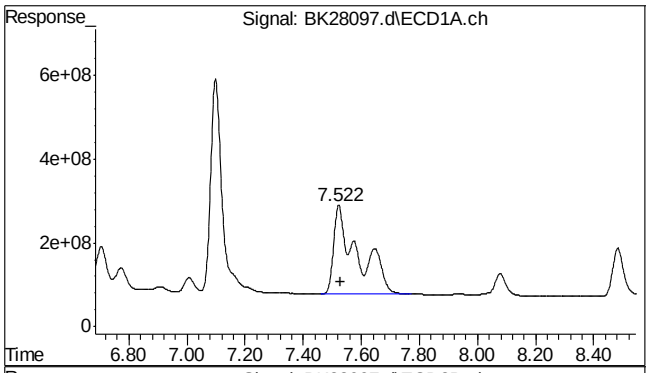
#10 AR1260-D

R.T.: 7.098 min
Delta R.T.: -0.008 min
Response: 13927397393
Conc: 319.81 ppb m



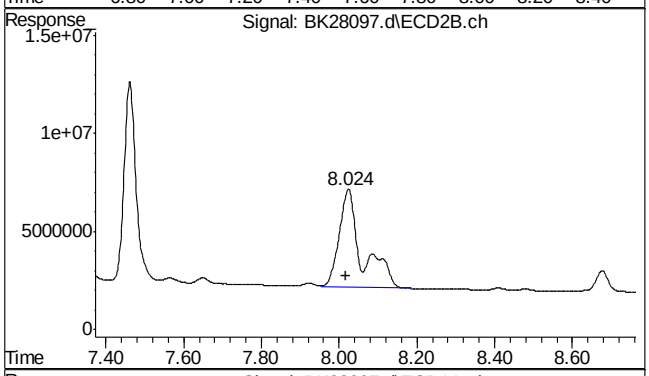
#10 AR1260-D

R.T.: 7.462 min
Delta R.T.: 0.006 min
Response: 210787553
Conc: 253.96 ppb



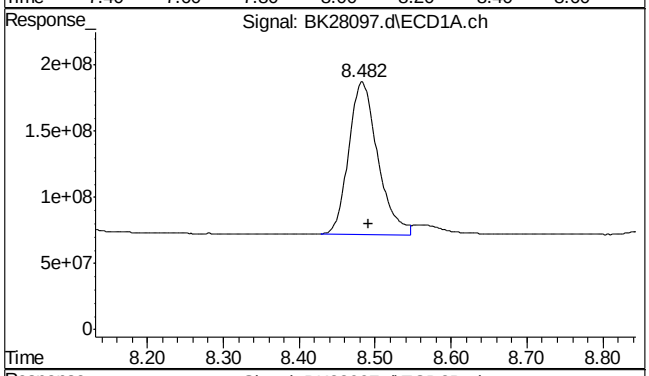
#11 AR1260-E

R.T.: 7.522 min
Delta R.T.: -0.008 min
Response: 11979141169
Conc: 304.23 ppb m



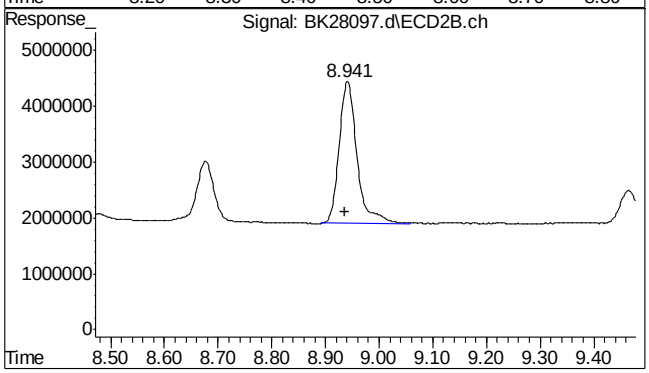
#11 AR1260-E

R.T.: 8.024 min
Delta R.T.: 0.005 min
Response: 200887137
Conc: 249.18 ppb m



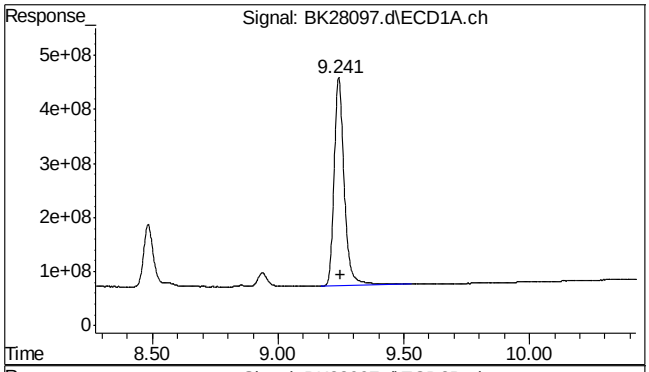
#12 AR1260-F

R.T.: 8.482 min
Delta R.T.: -0.009 min
Response: 3075740760
Conc: 319.57 m



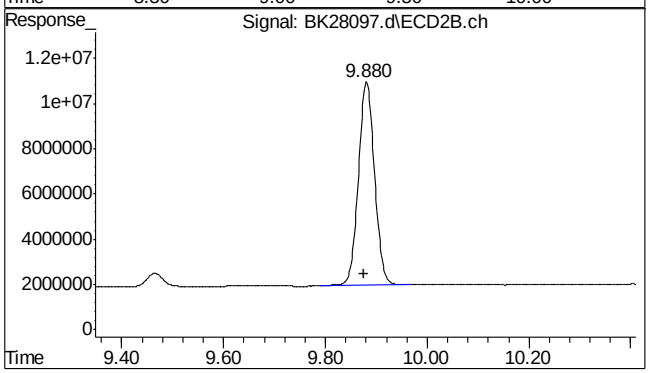
#12 AR1260-F

R.T.: 8.941 min
Delta R.T.: 0.004 min
Response: 58799137
Conc: 255.68 m



#13 DCB

R.T.: 9.241 min
Delta R.T.: -0.009 min
Response: 10665726026
Conc: 31.33 ppb m



#13 DCB

R.T.: 9.881 min
Delta R.T.: 0.005 min
Response: 198546848
Conc: 23.87 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/19/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130816\
Data File : BK28098.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Aug 2013 7:12 am
Operator : nickk
Sample : op34373-msd
Misc : op34373,gbk956,15.62,,,10,,s
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 14:44:54 2013
Quant Method : C:\msdchem\1\METHODS\PC130816.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.400	2.372	7067.9E6	232.8E6	27.290m	31.227m
	Spiked Amount 40.000			Recovery	=	68.23%	78.07%
13) s	DCB	9.241	9.882	10150.8E6	191.3E6	29.697m	22.947
	Spiked Amount 40.000			Recovery	=	74.24%	57.37%
	Target Compounds						
2)	AR1016-A	2.683	2.760	703.0E6	26145419	162.780m	209.264m#
3)	AR1016-B	2.983	3.103	1257.7E6	73748855	128.810m	274.411m#
4)	AR1016-C	3.406	3.497	5205.2E6	155.9E6	241.313m	300.293m
5)	AR1016-D	3.544	3.666	2373.4E6	38201032	178.879m	183.511m
6)	AR1016-E	3.945	4.156	2394.1E6	50780230	275.354m	202.848m#
7)	AR1260-A	5.385	5.719	4392.2E6	85751215	285.477m	237.455m
8)	AR1260-B	5.752	6.005	11731.2E6	106.3E6	371.798m	246.912 #
9)	AR1260-C	6.294	6.645	16260.1E6	269.1E6	291.909m	247.235m
10)	AR1260-D	7.097	7.462	13413.1E6	202.6E6	307.996m	244.113
11)	AR1260-E	7.522	8.023	11533.4E6	192.6E6	292.914m	238.939m
12)	AR1260-F	8.482	8.942	2869.5E6	54809835	298.145m	238.337

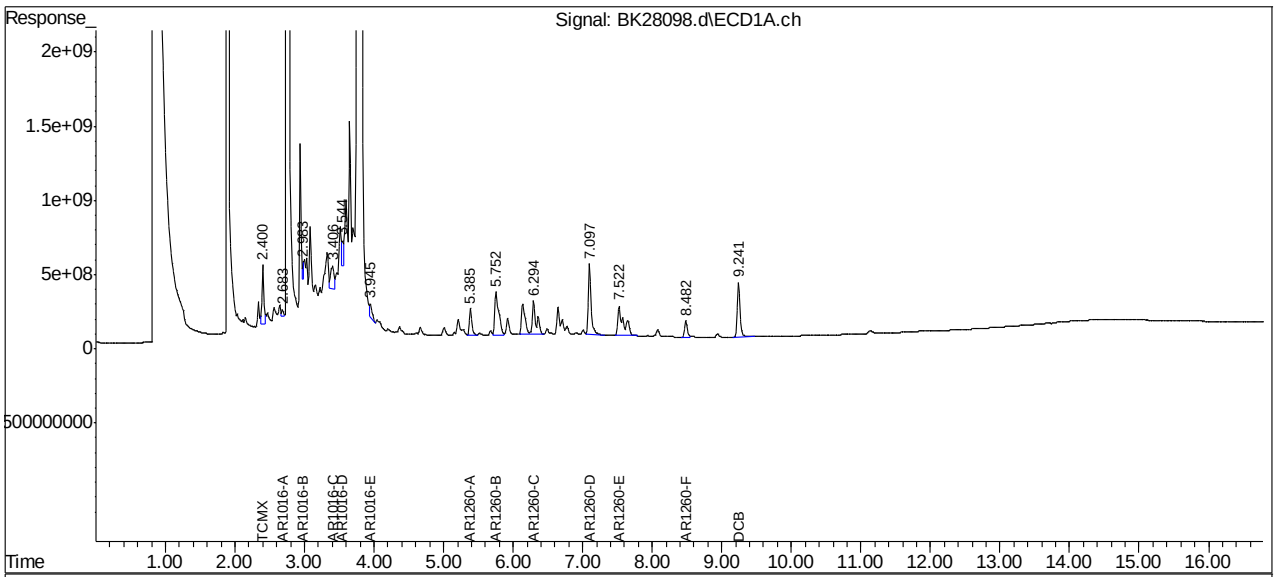
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

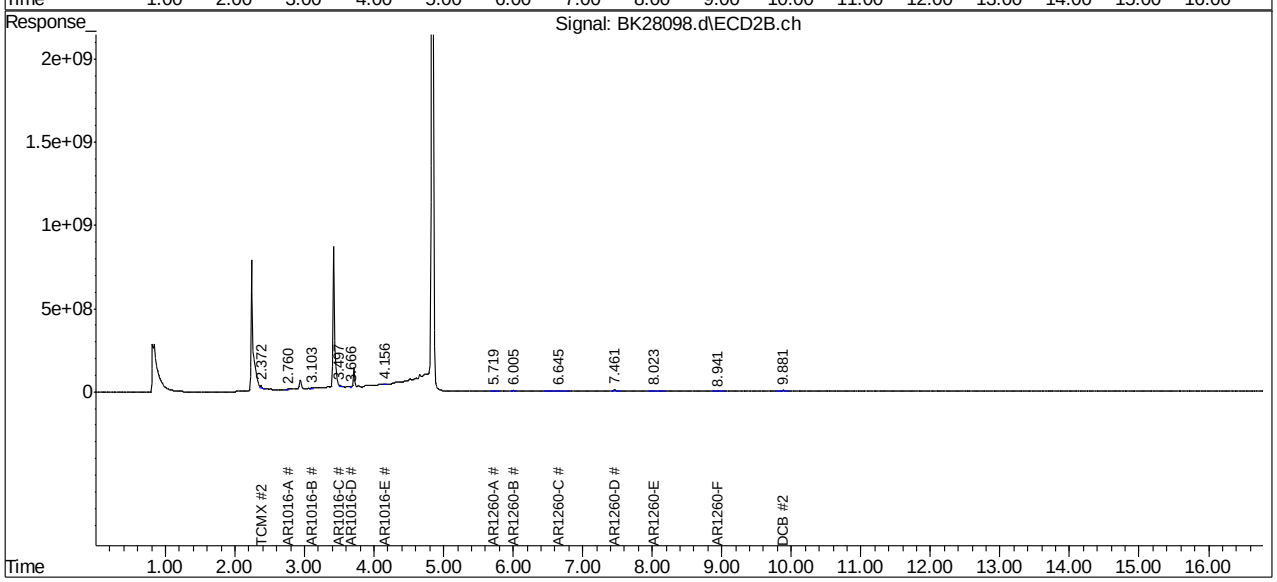
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130816\
Data File : BK28098.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Aug 2013 7:12 am
Operator : nickk
Sample : op34373-msd
Misc : op34373,gbk956,15.62,,,10,,s
ALS Vial : 60 Sample Multiplier: 1

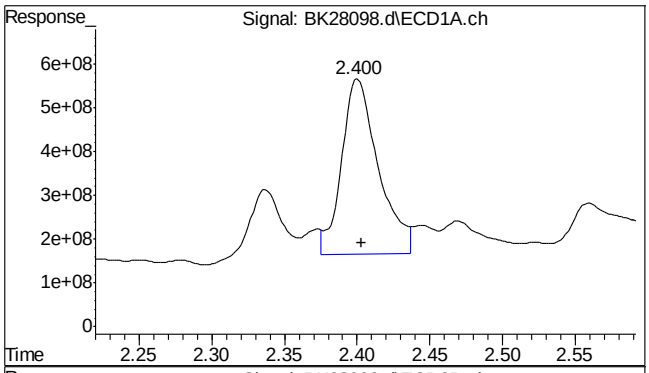
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 14:44:54 2013
Quant Method : C:\msdchem\1\METHODS\PC130816.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



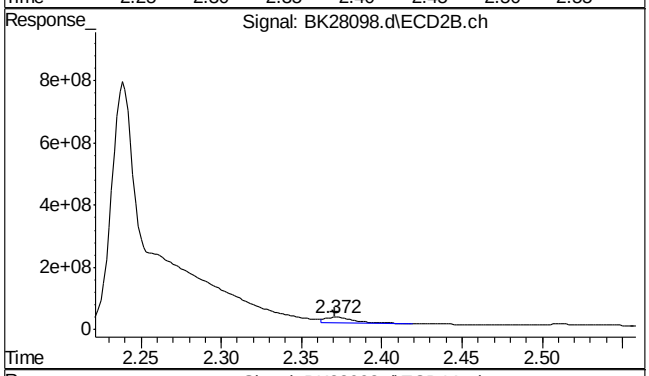


ACCUTEST LABORATORIES MC23456



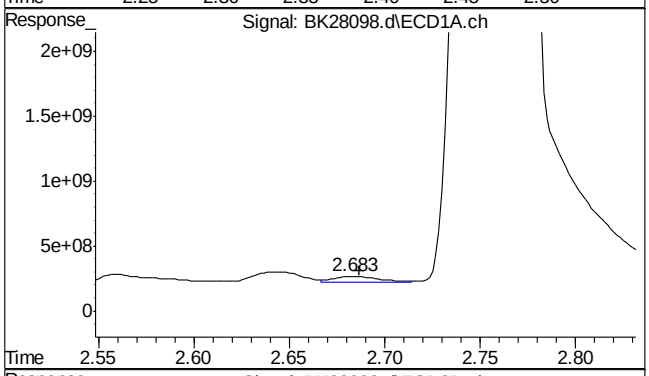
#1 TCMX

R.T.: 2.400 min
Delta R.T.: -0.003 min
Response: 7067902187
Conc: 27.29 ppb m



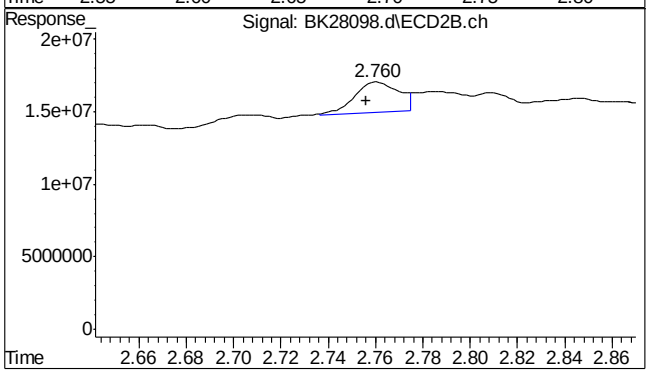
#1 TCMX

R.T.: 2.372 min
Delta R.T.: 0.000 min
Response: 232835477
Conc: 31.23 ppb m



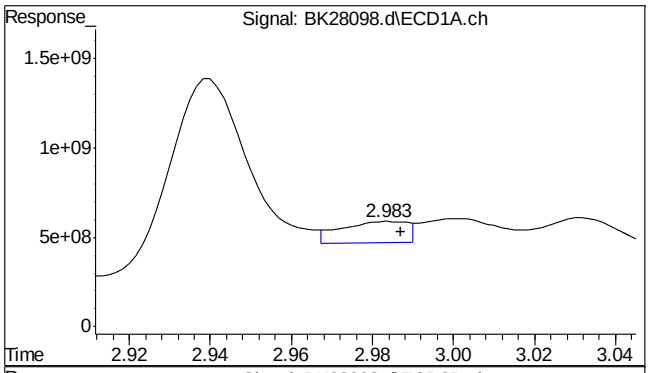
#2 AR1016-A

R.T.: 2.683 min
Delta R.T.: -0.004 min
Response: 702950621
Conc: 162.78 ppb m



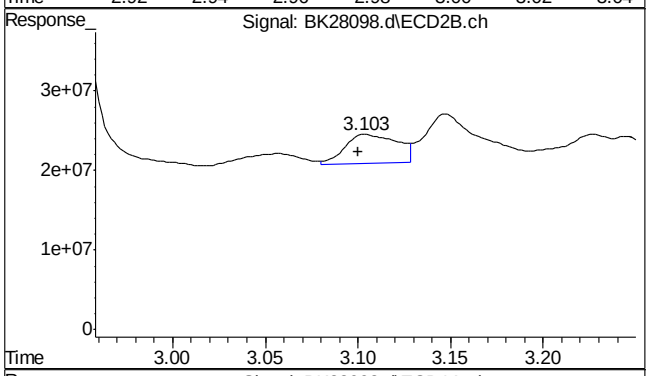
#2 AR1016-A

R.T.: 2.760 min
Delta R.T.: 0.004 min
Response: 26145419
Conc: 209.26 ppb m



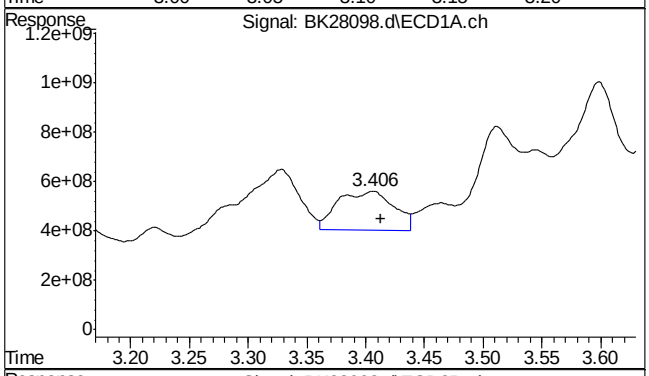
#3 AR1016-B

R.T.: 2.983 min
Delta R.T.: -0.004 min
Response: 1257654813
Conc: 128.81 ppb m



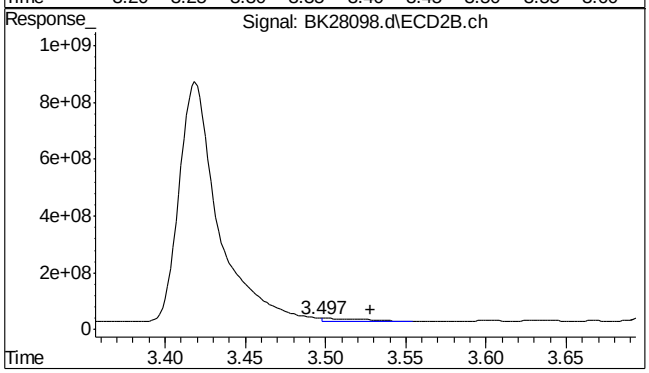
#3 AR1016-B

R.T.: 3.103 min
Delta R.T.: 0.003 min
Response: 73748855
Conc: 274.41 ppb m



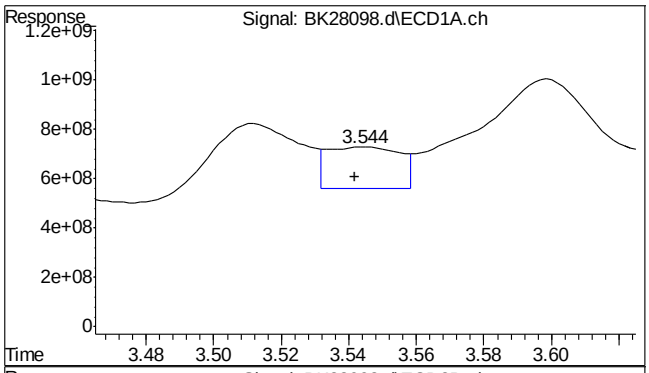
#4 AR1016-C

R.T.: 3.406 min
Delta R.T.: -0.007 min
Response: 5205162509
Conc: 241.31 ppb m



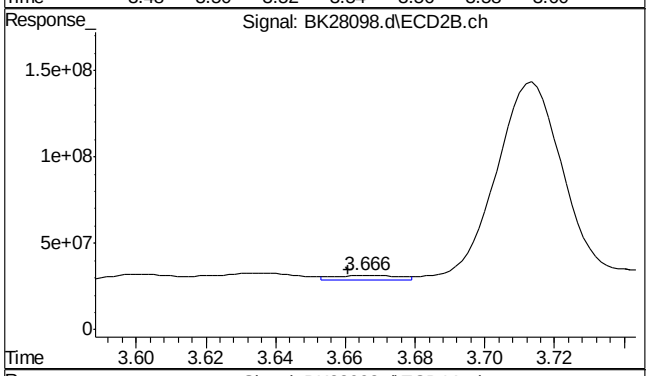
#4 AR1016-C

R.T.: 3.497 min
Delta R.T.: -0.031 min
Response: 155904208
Conc: 300.29 ppb m



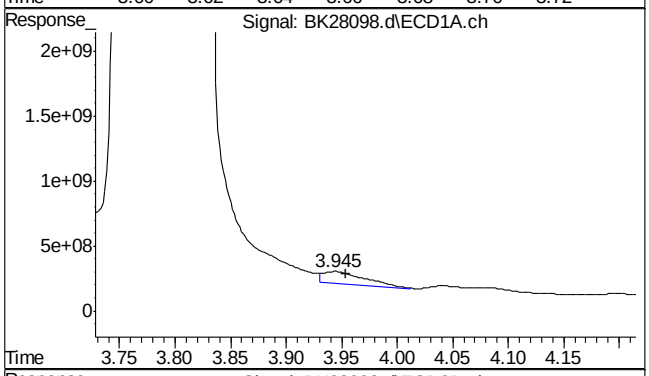
#5 AR1016-D

R.T.: 3.544 min
Delta R.T.: 0.002 min
Response: 2373400588
Conc: 178.88 m



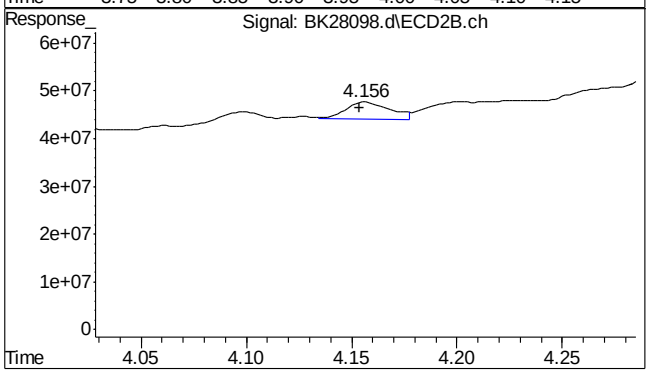
#5 AR1016-D

R.T.: 3.666 min
Delta R.T.: 0.005 min
Response: 38201032
Conc: 183.51 m



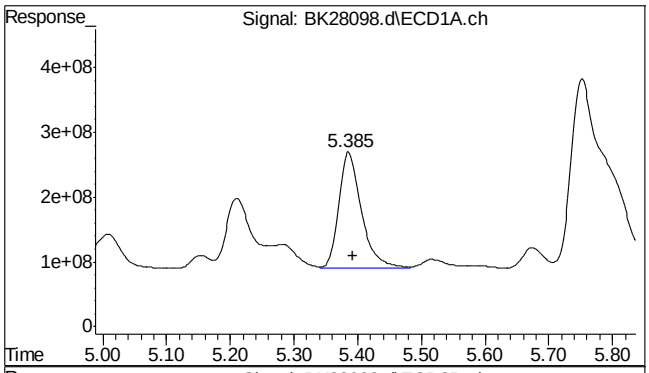
#6 AR1016-E

R.T.: 3.945 min
Delta R.T.: -0.009 min
Response: 2394077269
Conc: 275.35 m



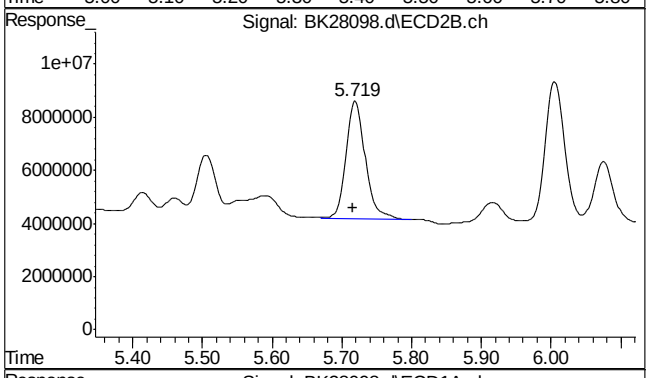
#6 AR1016-E

R.T.: 4.156 min
Delta R.T.: 0.002 min
Response: 50780230
Conc: 202.85 m



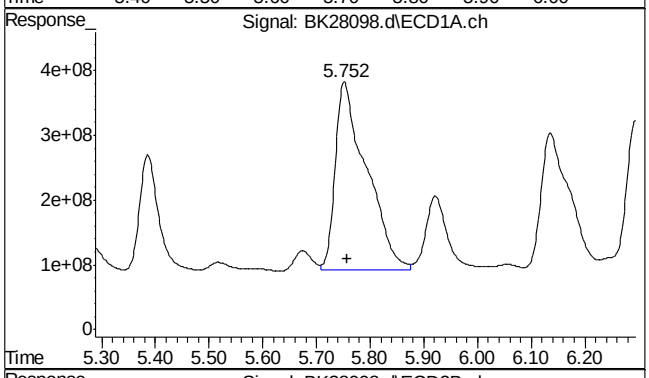
#7 AR1260-A

R.T.: 5.385 min
Delta R.T.: -0.008 min
Response: 4392201221
Conc: 285.48 ppb m



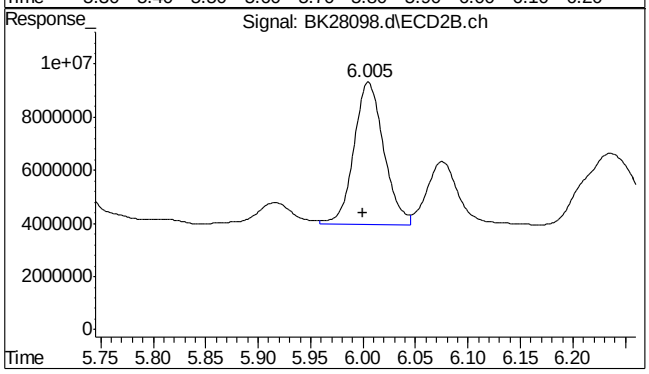
#7 AR1260-A

R.T.: 5.719 min
Delta R.T.: 0.004 min
Response: 85751215
Conc: 237.45 ppb m



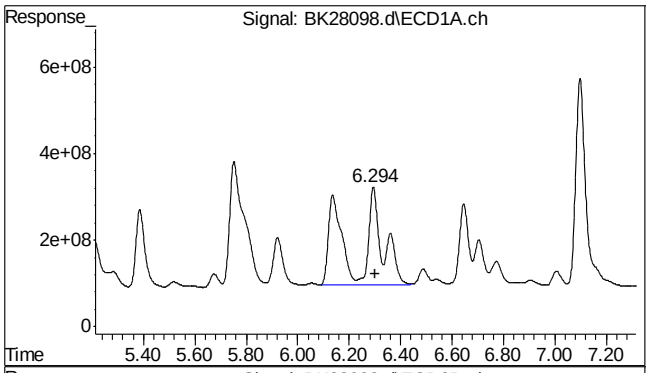
#8 AR1260-B

R.T.: 5.752 min
Delta R.T.: -0.006 min
Response: 11731163052
Conc: 371.80 ppb m



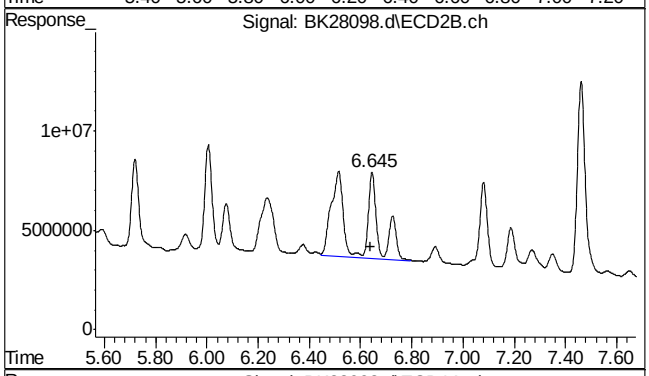
#8 AR1260-B

R.T.: 6.005 min
Delta R.T.: 0.005 min
Response: 106317889
Conc: 246.91 ppb



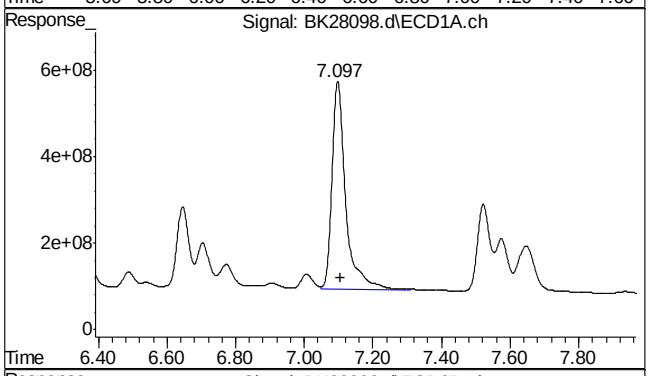
#9 AR1260-C

R.T.: 6.294 min
Delta R.T.: -0.007 min
Response: 16260063353
Conc: 291.91 ppb m



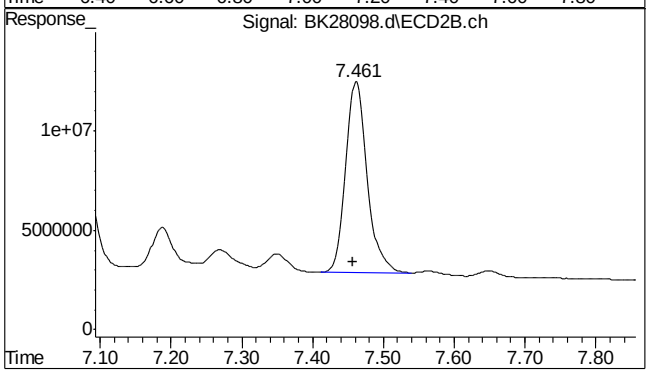
#9 AR1260-C

R.T.: 6.645 min
Delta R.T.: 0.004 min
Response: 269064810
Conc: 247.24 ppb m



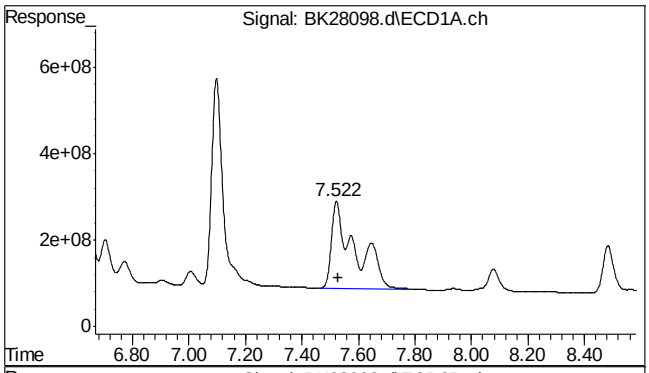
#10 AR1260-D

R.T.: 7.097 min
Delta R.T.: -0.009 min
Response: 13413104821
Conc: 308.00 ppb m



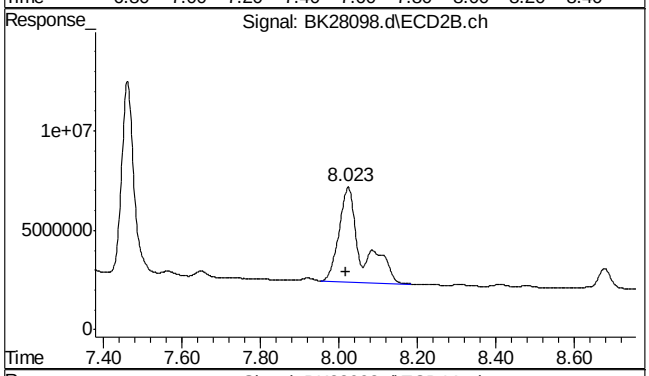
#10 AR1260-D

R.T.: 7.462 min
Delta R.T.: 0.006 min
Response: 202614189
Conc: 244.11 ppb



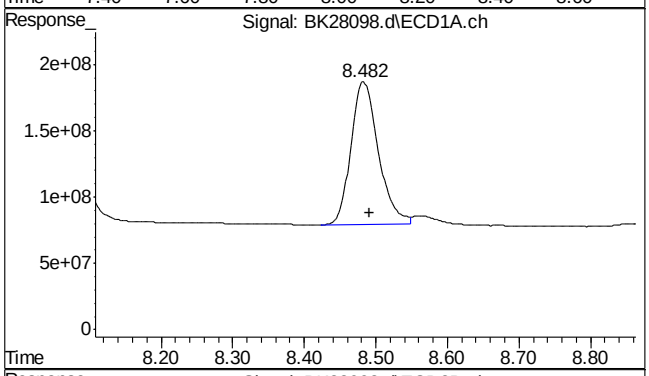
#11 AR1260-E

R.T.: 7.522 min
Delta R.T.: -0.008 min
Response: 11533401905
Conc: 292.91 ppb m



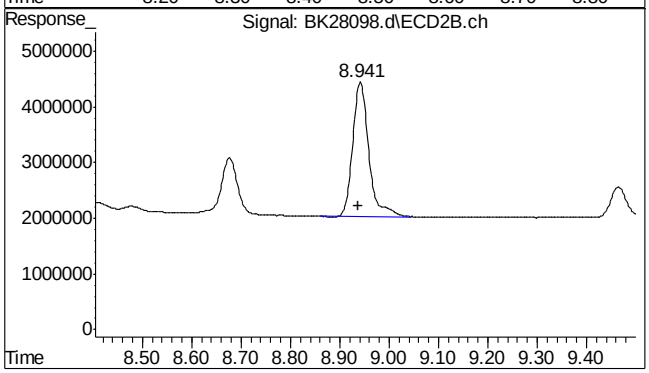
#11 AR1260-E

R.T.: 8.023 min
Delta R.T.: 0.004 min
Response: 192628483
Conc: 238.94 ppb m



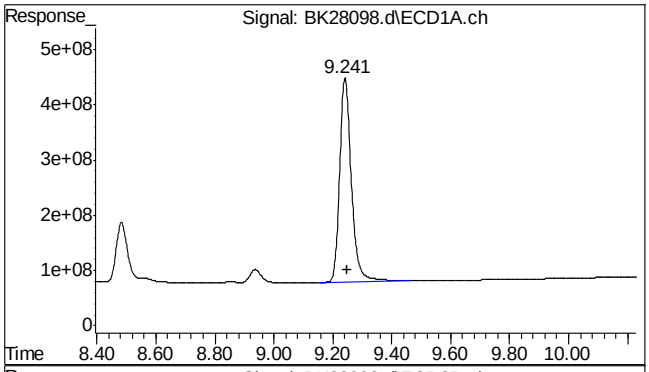
#12 AR1260-F

R.T.: 8.482 min
Delta R.T.: -0.009 min
Response: 2869526661
Conc: 298.15 m



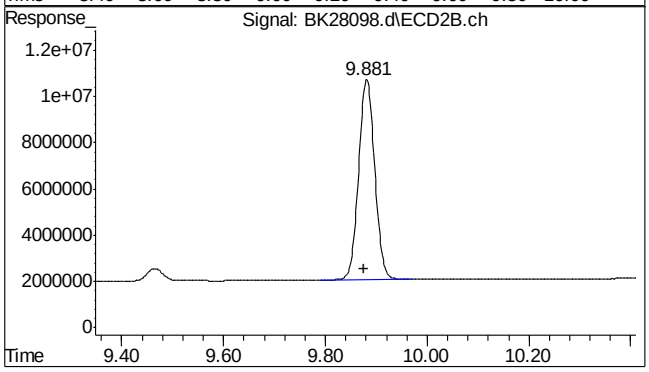
#12 AR1260-F

R.T.: 8.942 min
Delta R.T.: 0.005 min
Response: 54809835
Conc: 238.34



#13 DCB

R.T.: 9.241 min
Delta R.T.: -0.009 min
Response: 10150805200
Conc: 29.70 ppb m



#13 DCB

R.T.: 9.882 min
Delta R.T.: 0.006 min
Response: 191260833
Conc: 22.95 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37409.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 13:48:07
Operator : andrip
Sample : ddt
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 90 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 14:26:08 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 14:16:35 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
	Target Compounds						
14)	4,4'-DDE	7.483	7.724	1224015	1163491	0.211m	0.346m#
16)	Endrin	8.201	8.336	342.8E6	188.4E6	60.054m	62.912m
17)	4,4'-DDD	8.306	8.514	5269705	4952737	1.079m	1.877m#
19)	4,4'-DDT	8.679	8.927	626.3E6	320.8E6	122.364m	113.389m
20)	Endrin Al...	9.085	9.090	2803570	1211531	0.617m	0.494m
23)	Endrin Ke...	10.043	10.172	8891050	6330897	1.451m	1.864m#

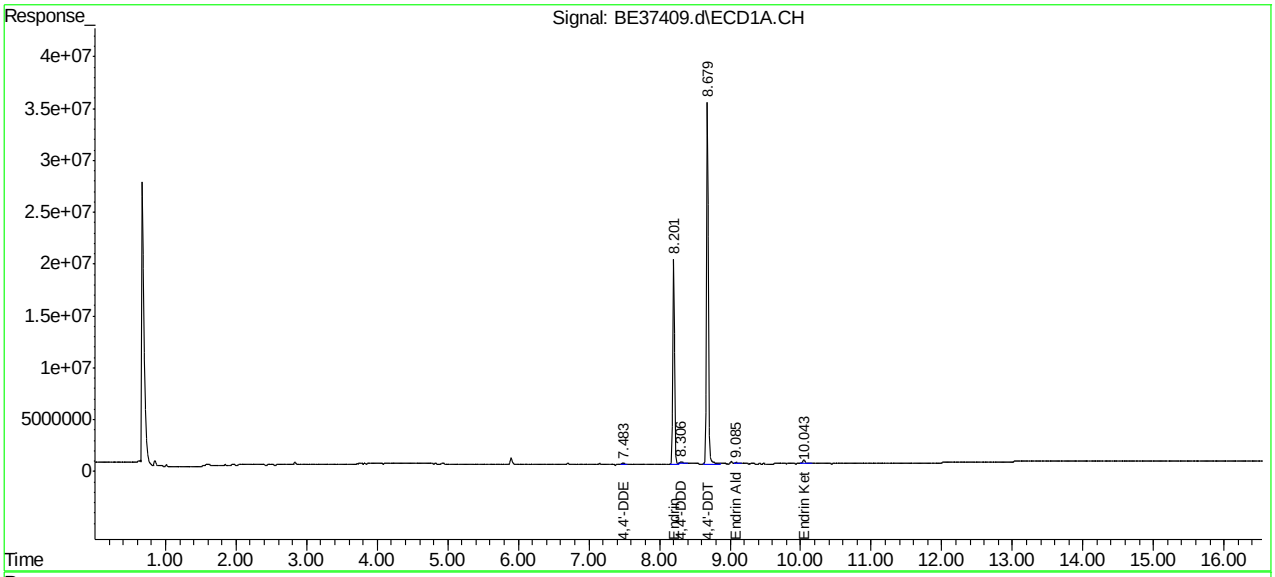
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

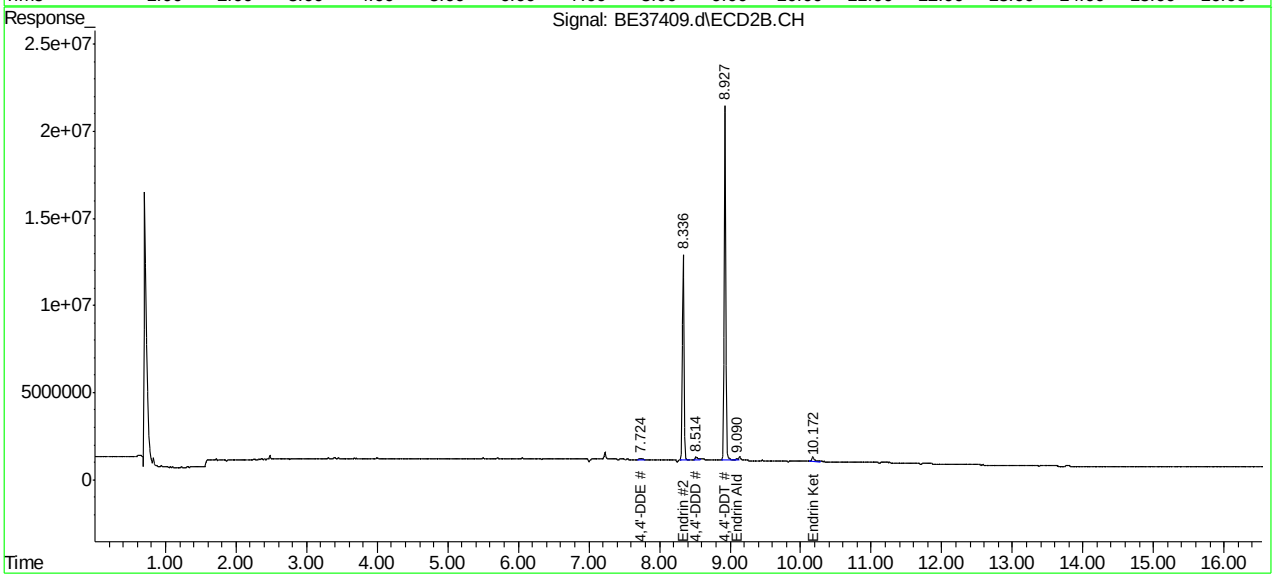
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37409.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 13:48:07
Operator : andrip
Sample : ddt
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 90 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

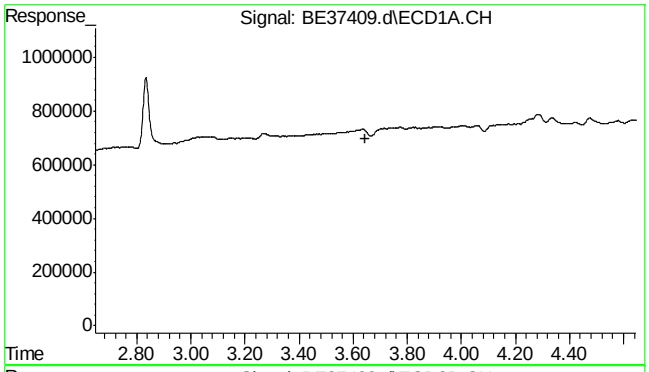
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 14:26:08 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 14:16:35 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



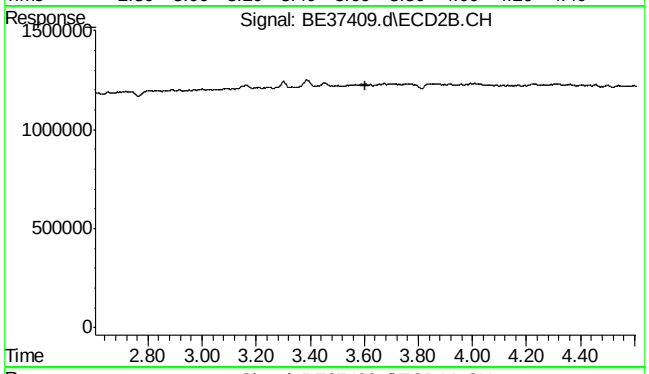


PT130708A.M Tue Jul 09 09:29:41 2013 ED Page: 2



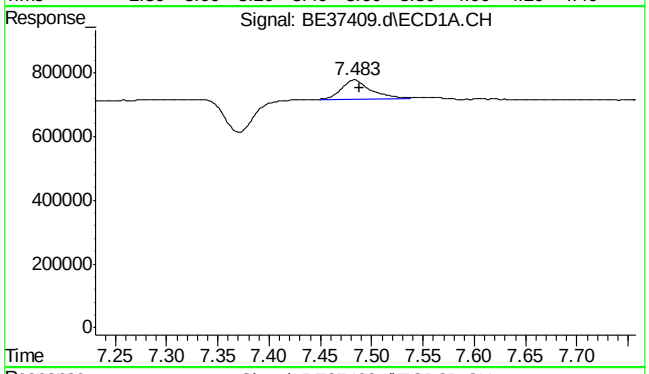
#1 TCMX

R.T.: 0.000 min
Exp R.T. : 3.646 min
Response: 0
Conc: N.D.



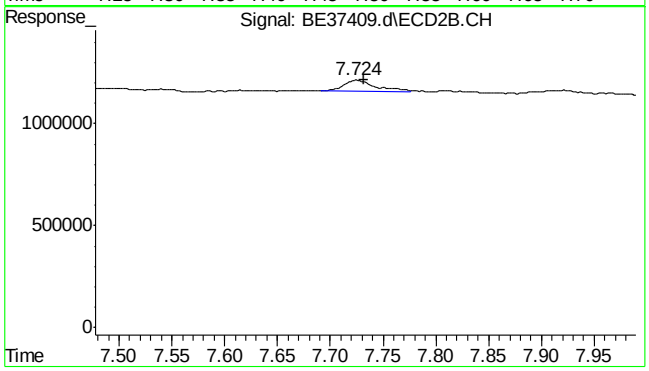
#1 TCMX

R.T.: 0.000 min
Exp R.T. : 3.605 min
Response: 0
Conc: N.D.



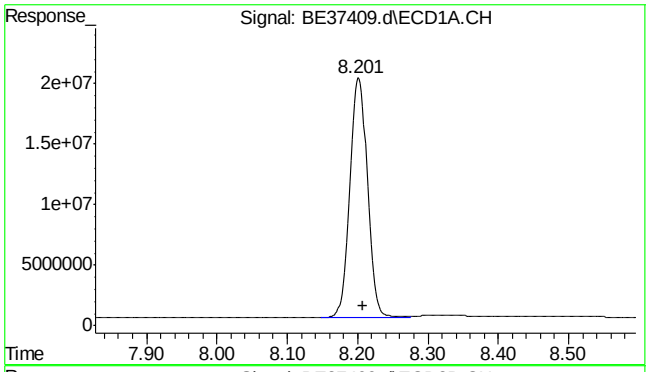
#14 4,4'-DDE

R.T.: 7.483 min
Delta R.T.: -0.005 min
Response: 1224015
Conc: 0.21 ppb m



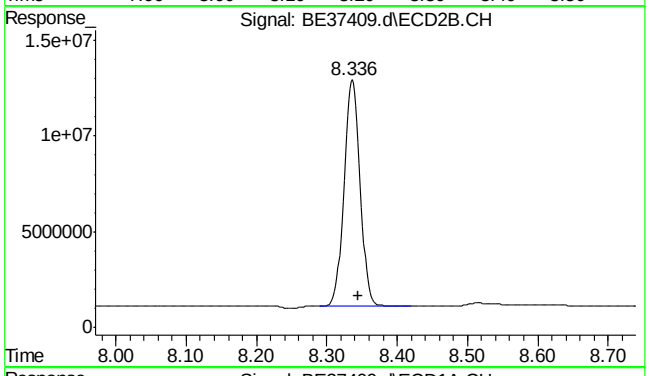
#14 4,4'-DDE

R.T.: 7.724 min
Delta R.T.: -0.008 min
Response: 1163491
Conc: 0.35 ppb m



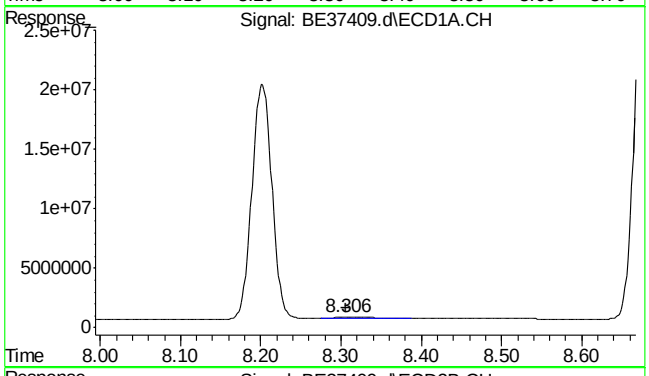
#16 Endrin

R.T.: 8.201 min
Delta R.T.: -0.007 min
Response: 342822641
Conc: 60.05 ppb m



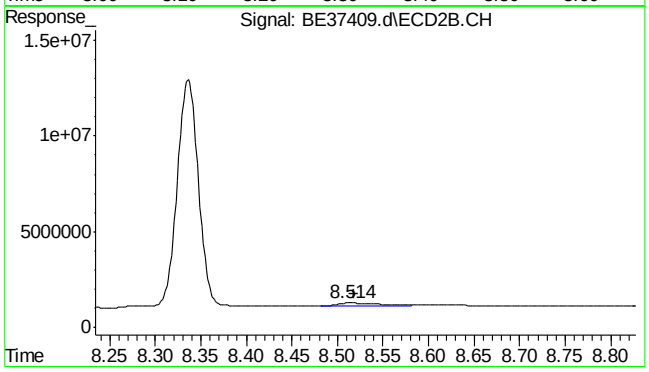
#16 Endrin

R.T.: 8.336 min
Delta R.T.: -0.010 min
Response: 188437186
Conc: 62.91 ppb m



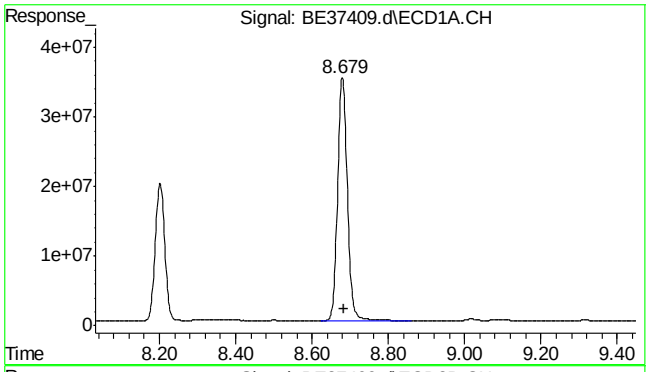
#17 4,4'-DDD

R.T.: 8.306 min
Delta R.T.: 0.000 min
Response: 5269705
Conc: 1.08 ppb m



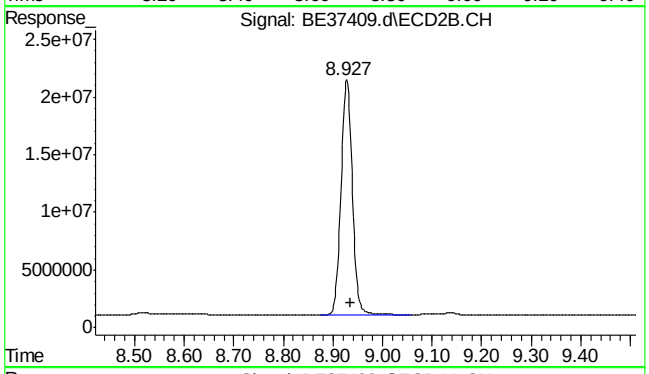
#17 4,4'-DDD

R.T.: 8.514 min
Delta R.T.: -0.004 min
Response: 4952737
Conc: 1.88 ppb m



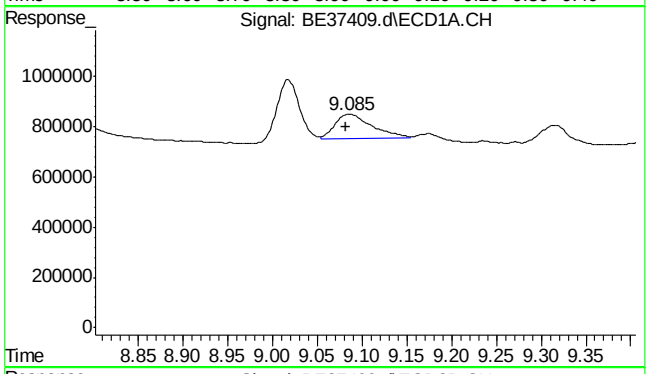
#19 4,4'-DDT

R.T.: 8.679 min
Delta R.T.: -0.005 min
Response: 626343888
Conc: 122.36 ppb m



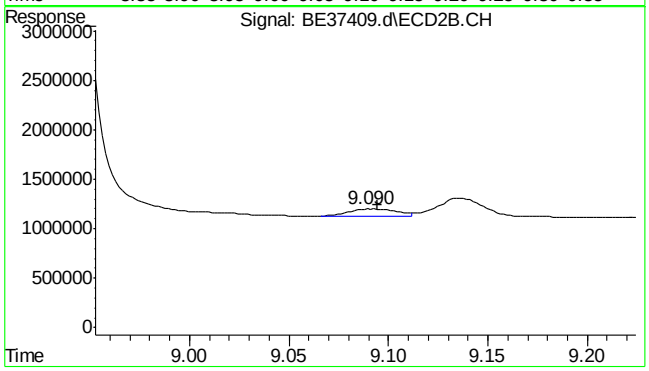
#19 4,4'-DDT

R.T.: 8.927 min
Delta R.T.: -0.008 min
Response: 320785725
Conc: 113.39 ppb m



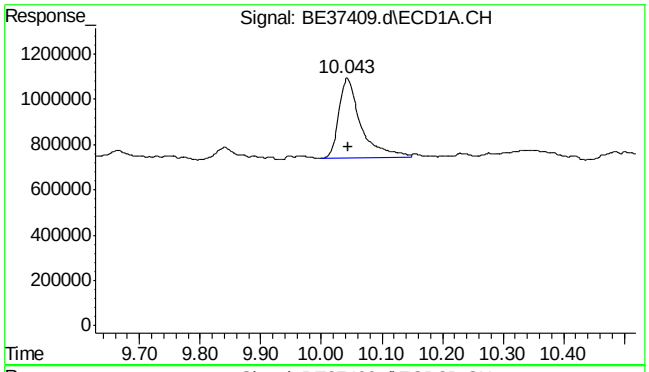
#20 Endrin Aldehyde

R.T.: 9.085 min
Delta R.T.: 0.004 min
Response: 2803570
Conc: 0.62 ppb m



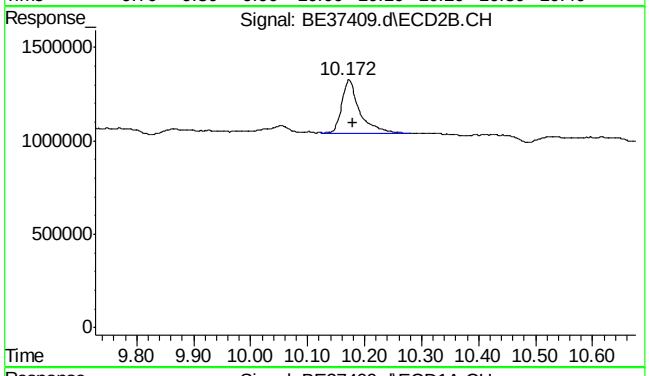
#20 Endrin Aldehyde

R.T.: 9.090 min
Delta R.T.: -0.004 min
Response: 1211531
Conc: 0.49 ppb m



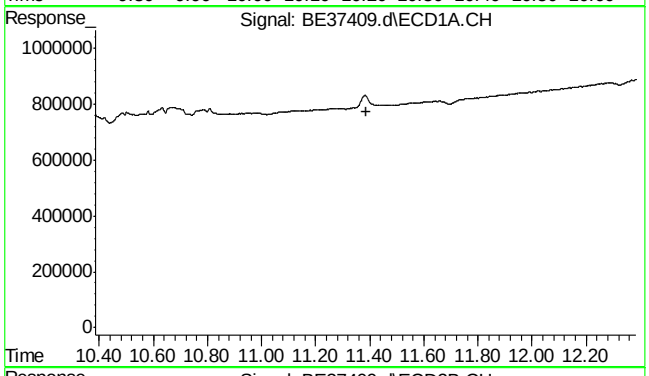
#23 Endrin Ketone

R.T.: 10.043 min
Delta R.T.: -0.001 min
Response: 8891050
Conc: 1.45 ppb m



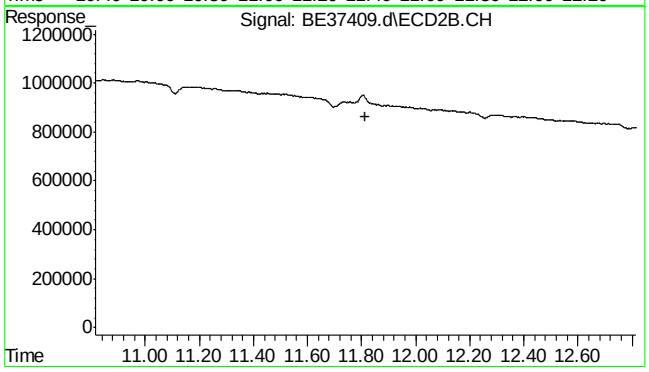
#23 Endrin Ketone

R.T.: 10.172 min
Delta R.T.: -0.007 min
Response: 6330897
Conc: 1.86 ppb m



#38 DCB

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.



#38 DCB

R.T.: 0.000 min
Exp R.T. : 11.815 min
Response: 0
Conc: N.D.

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130816\
Data File : be37695.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16-Aug-13, 17:35:33
Operator : nickk
Sample : DDT
Misc : op34379,gbe1962,15,,,10,,s
ALS Vial : 100 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 09:38:02 2013
Quant Method : C:\msdchem\1\methods\PT130816.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
	Target Compounds						
14)	4,4'-DDE	7.488	7.723	1062139	912321	0.369m	3121.418m#
16)	Endrin	8.209	8.335	347.3E6	203.8E6	127.549m	130.105m
17)	4,4'-DDD	8.310	8.510	5695710	4497390	2.549m	1.920m
19)	4,4'-DDT	8.687	8.927	639.2E6	364.3E6	257.105m	273.082m
20)	Endrin Al...	9.084	9.083	3406973	2184613	1.152m	1823.538m#
23)	Endrin Ke...	10.045	10.168	7902659	5810976	2.830m	2.060m#

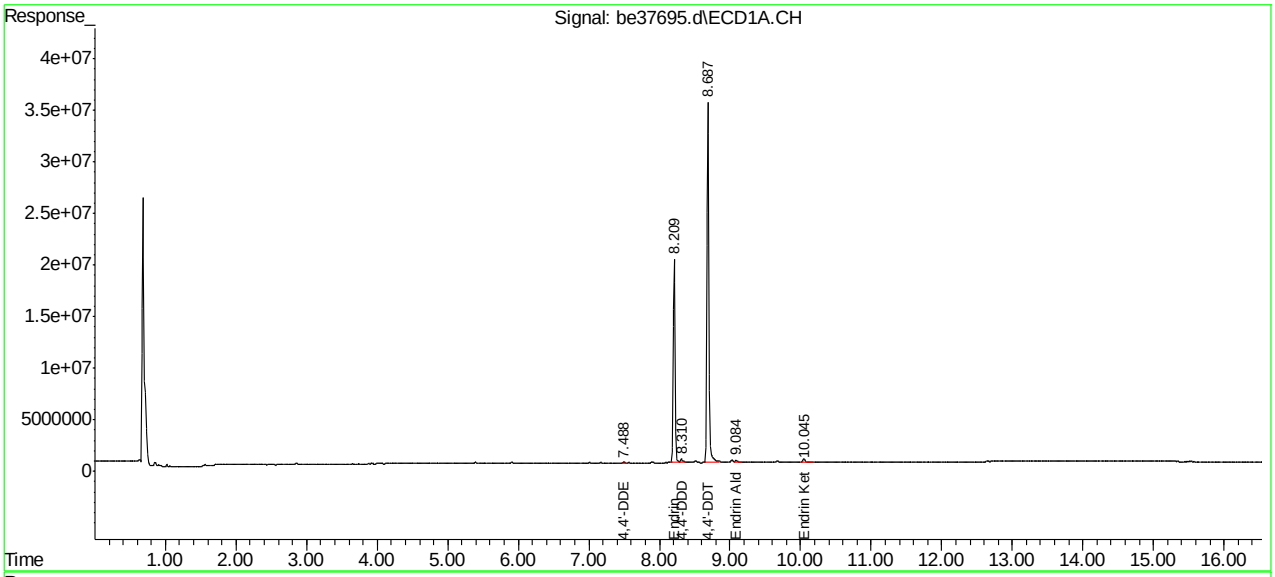
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

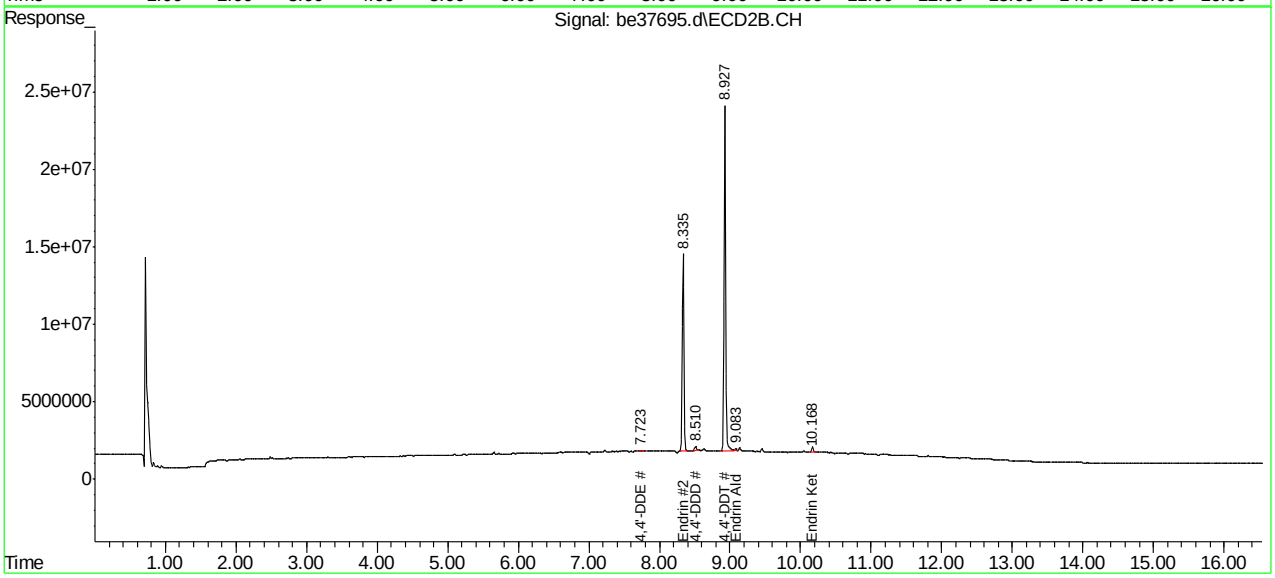
Quantitation Report (QT Reviewed)

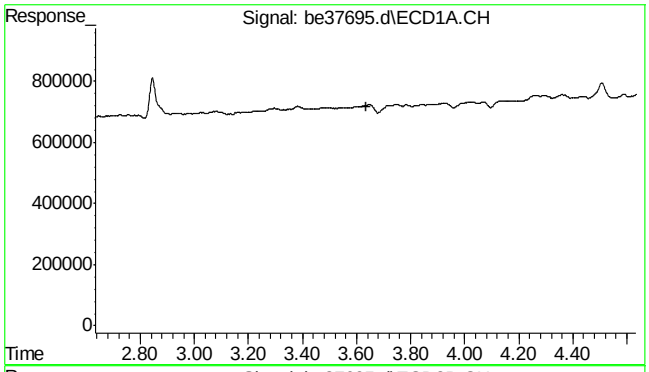
Data Path : C:\msdchem\1\data\BE130816\
Data File : be37695.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16-Aug-13, 17:35:33
Operator : nickk
Sample : DDT
Misc : op34379,gbe1962,15,,,10,,s
ALS Vial : 100 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 09:38:02 2013
Quant Method : C:\msdchem\1\methods\PT130816.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

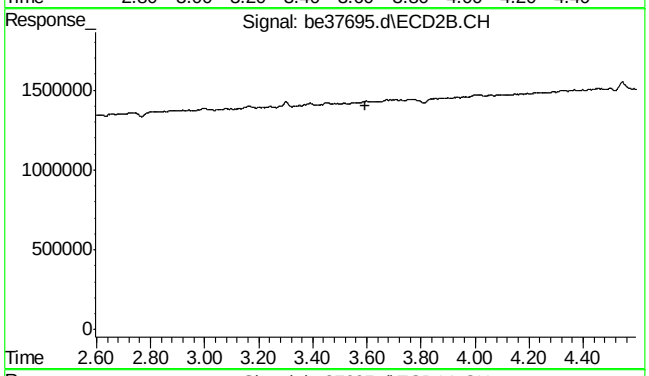






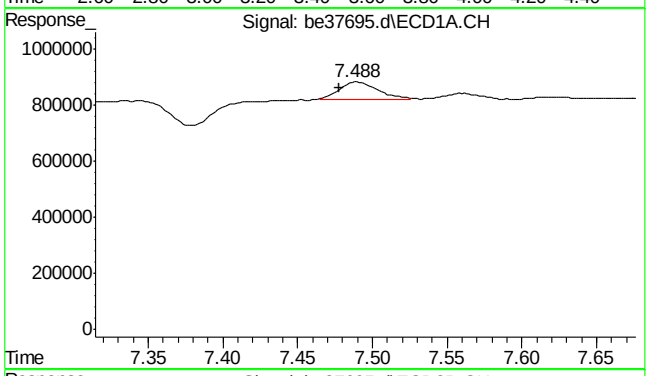
#1 TCMX

R.T.: 0.000 min
Exp R.T. : 3.634 min
Response: 0
Conc: N.D.



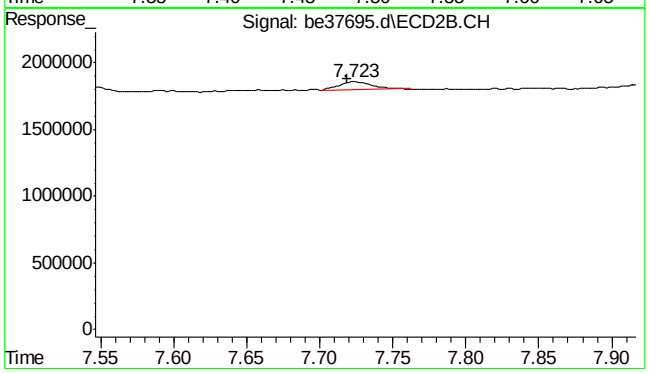
#1 TCMX

R.T.: 0.000 min
Exp R.T. : 3.596 min
Response: 0
Conc: N.D.



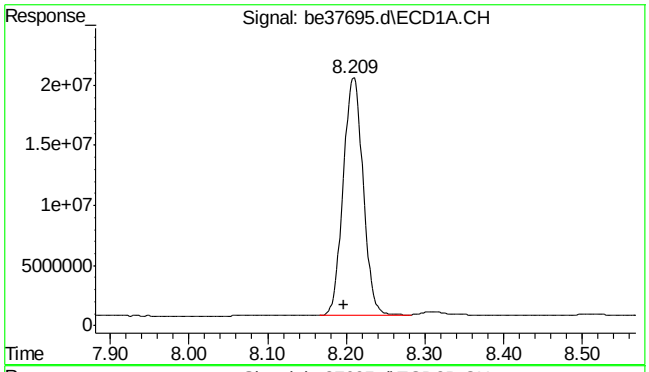
#14 4,4'-DDE

R.T.: 7.488 min
Delta R.T.: 0.011 min
Response: 1062139
Conc: 0.37 ppb m



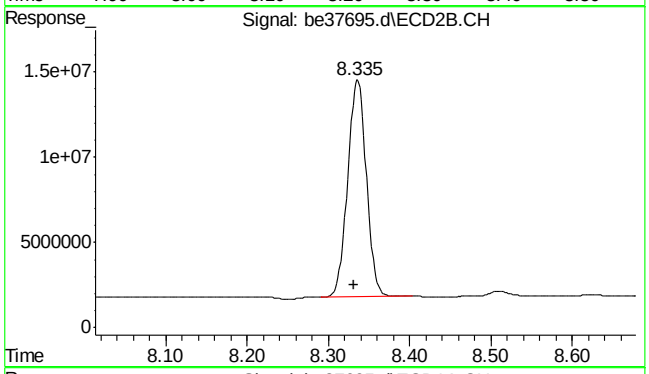
#14 4,4'-DDE

R.T.: 7.723 min
Delta R.T.: 0.004 min
Response: 912321
Conc: 3121.42 ppb m



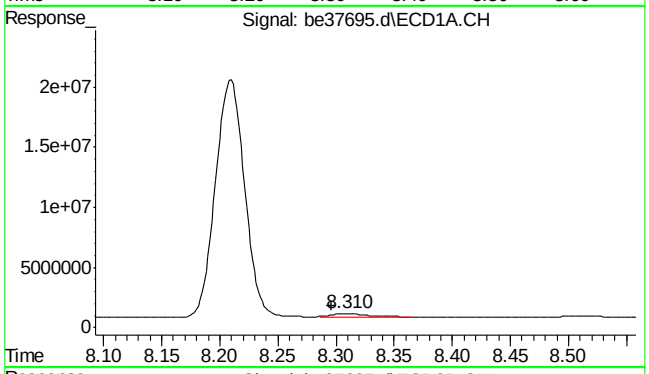
#16 Endrin

R.T.: 8.209 min
Delta R.T.: 0.011 min
Response: 347257396
Conc: 127.55 ppb m



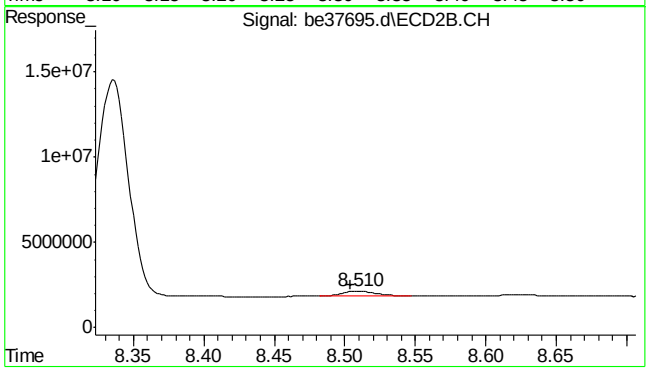
#16 Endrin

R.T.: 8.335 min
Delta R.T.: 0.004 min
Response: 203806762
Conc: 130.11 ppb m



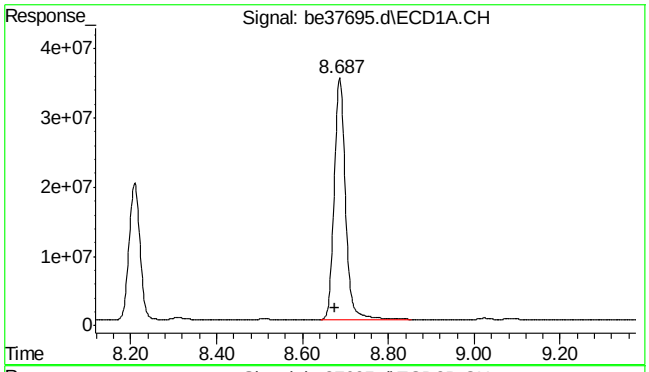
#17 4,4'-DDD

R.T.: 8.310 min
Delta R.T.: 0.014 min
Response: 5695710
Conc: 2.55 ppb m



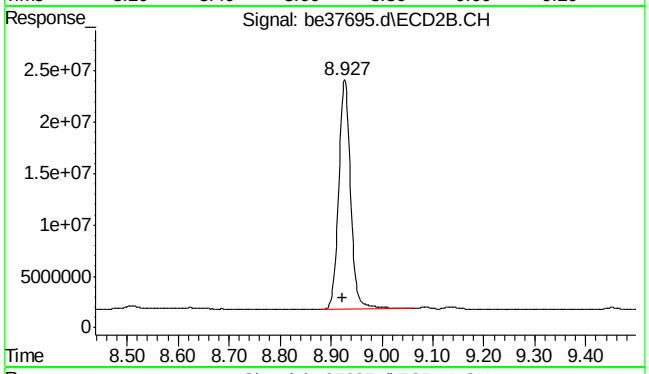
#17 4,4'-DDD

R.T.: 8.510 min
Delta R.T.: 0.005 min
Response: 4497390
Conc: 1.92 ppb m



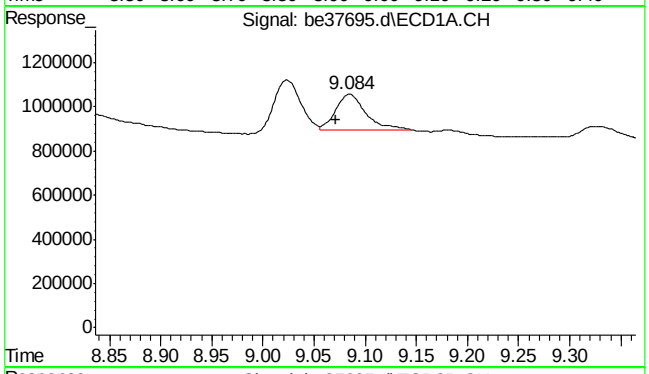
#19 4,4'-DDT

R.T.: 8.687 min
Delta R.T.: 0.012 min
Response: 639245642
Conc: 257.11 ppb m



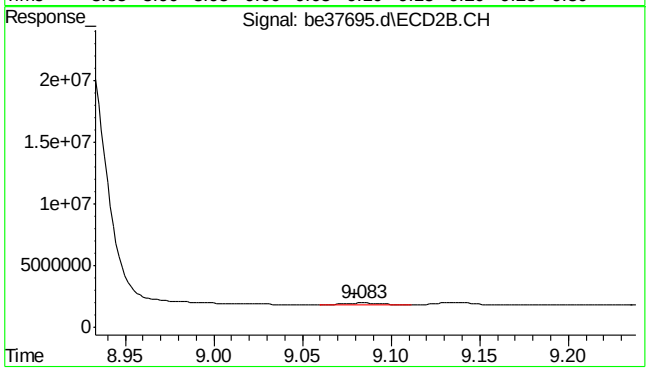
#19 4,4'-DDT

R.T.: 8.927 min
Delta R.T.: 0.004 min
Response: 364333118
Conc: 273.08 ppb m



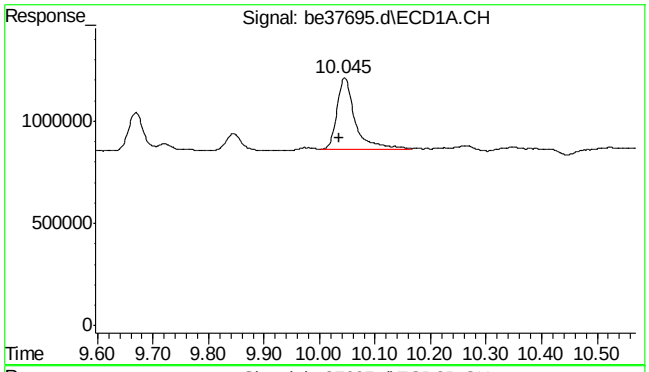
#20 Endrin Aldehyde

R.T.: 9.084 min
Delta R.T.: 0.013 min
Response: 3406973
Conc: 1.15 ppb m



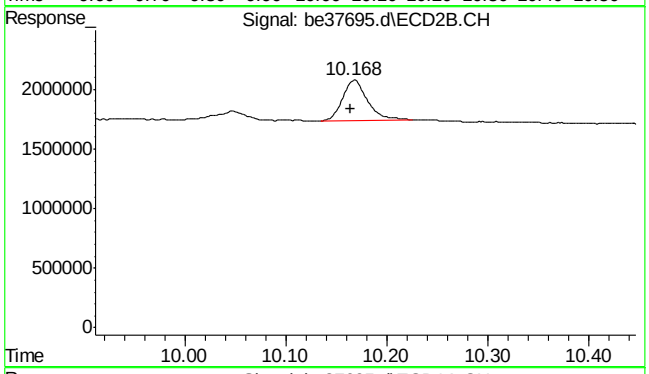
#20 Endrin Aldehyde

R.T.: 9.083 min
Delta R.T.: 0.004 min
Response: 2184613
Conc: 1823.54 ppb m



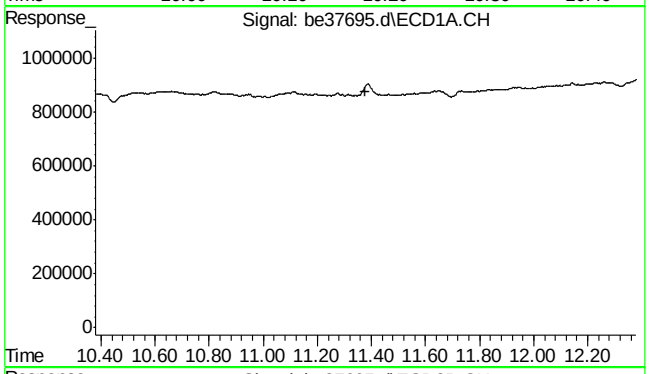
#23 Endrin Ketone

R.T.: 10.045 min
Delta R.T.: 0.009 min
Response: 7902659
Conc: 2.83 ppb m



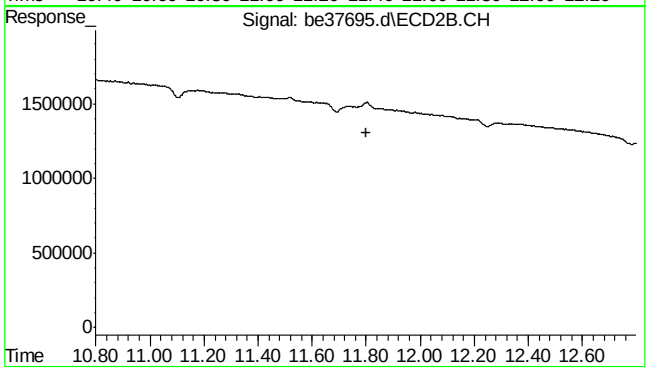
#23 Endrin Ketone

R.T.: 10.168 min
Delta R.T.: 0.004 min
Response: 5810976
Conc: 2.06 ppb m



#38 DCB

R.T.: 0.000 min
Exp R.T. : 11.379 min
Response: 0
Conc: N.D.



#38 DCB

R.T.: 0.000 min
Exp R.T. : 11.798 min
Response: 0
Conc: N.D.

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130819\
Data File : be37743.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20-Aug-13, 00:59:31
Operator : nickk
Sample : DDT
Misc : op34379,gbe1963,15,,,10,,s
ALS Vial : 100 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 08:38:19 2013
Quant Method : C:\msdchem\1\methods\PT130819.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
	Target Compounds						
14)	4,4'-DDE	7.478	7.719	2573733	2326960	0.895m	3120.627m#
16)	Endrin	8.196	8.331	354.4E6	224.2E6	130.186m	144.427m
17)	4,4'-DDD	8.297	8.506	27353000	21782707	12.241m	14.253m
19)	4,4'-DDT	8.675	8.922	587.6E6	360.1E6	235.502m	269.569m
20)	Endrin Al...	9.071	9.081	2876962	2703073	0.886m	0.387m#
23)	Endrin Ke...	10.033	10.163	11744029	9451990	4.384m	4.566m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

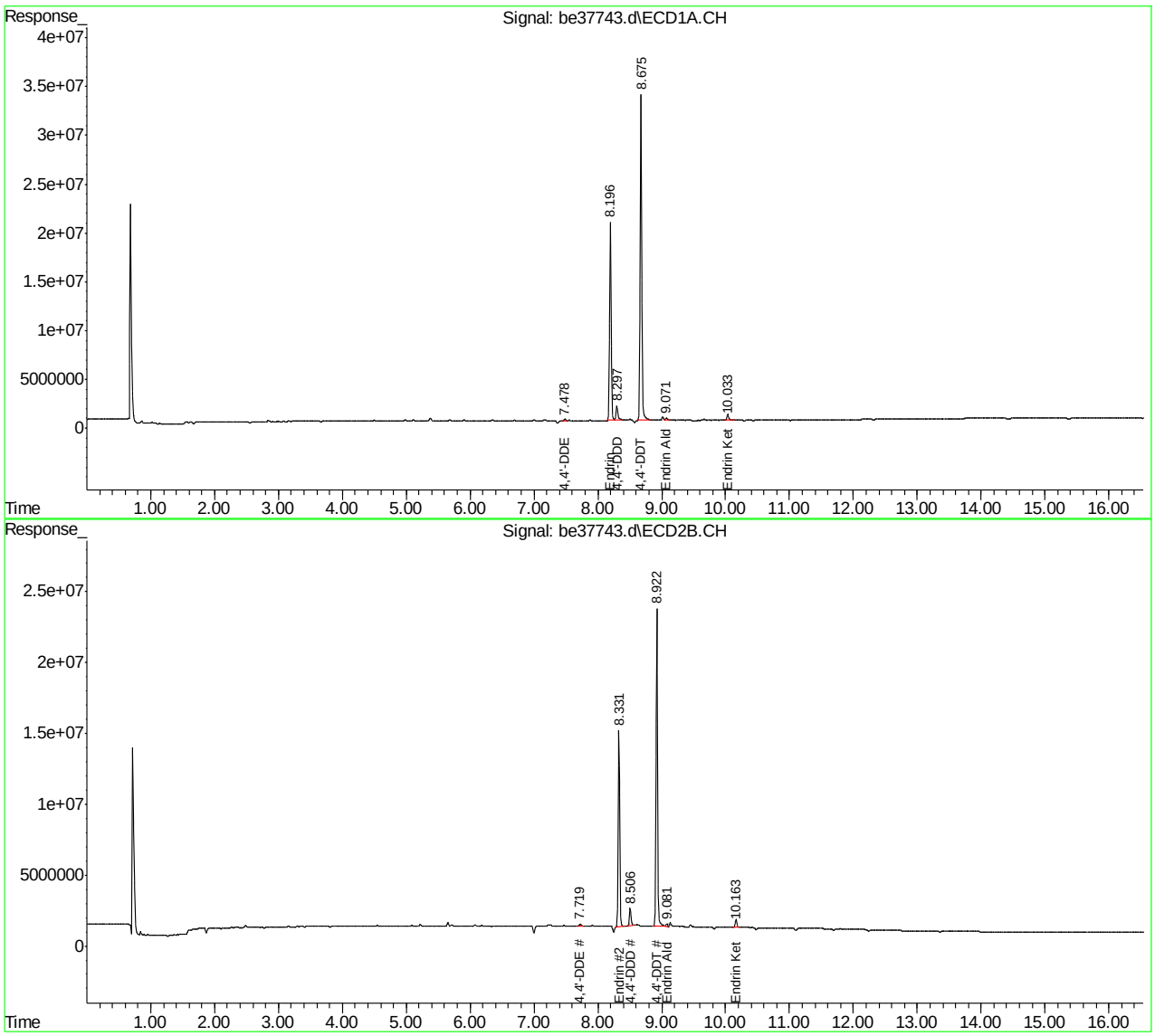
9.5.3
9

Quantitation Report (QT Reviewed)

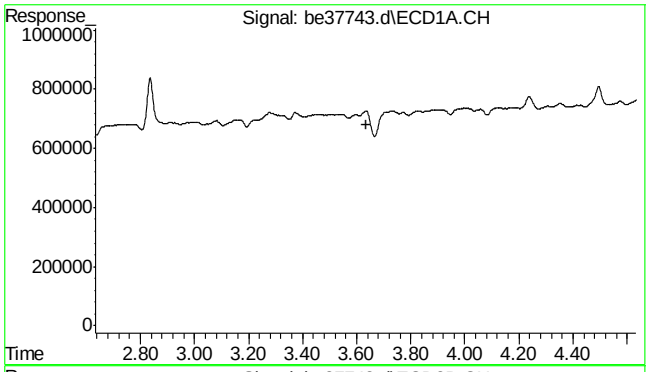
Data Path : C:\msdchem\1\data\BE130819\
Data File : be37743.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20-Aug-13, 00:59:31
Operator : nickk
Sample : DDT
Misc : op34379,gbe1963,15,,,10,,s
ALS Vial : 100 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 08:38:19 2013
Quant Method : C:\msdchem\1\methods\PT130819.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

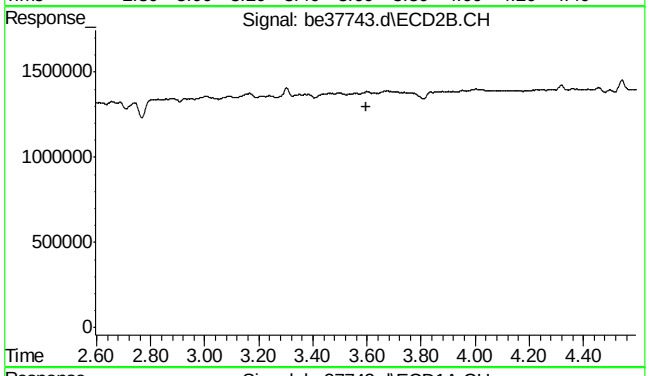


ACCUTEST LABORATORIES MC23456



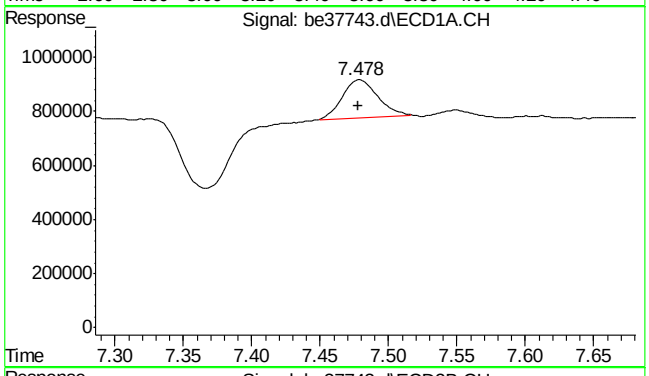
#1 TCMX

R.T.: 0.000 min
Exp R.T. : 3.634 min
Response: 0
Conc: N.D.



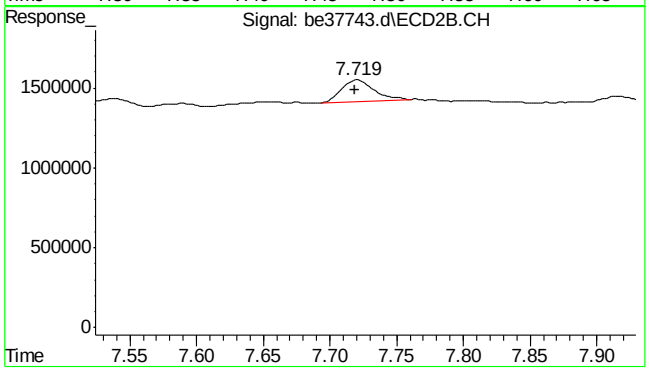
#1 TCMX

R.T.: 0.000 min
Exp R.T. : 3.596 min
Response: 0
Conc: N.D.



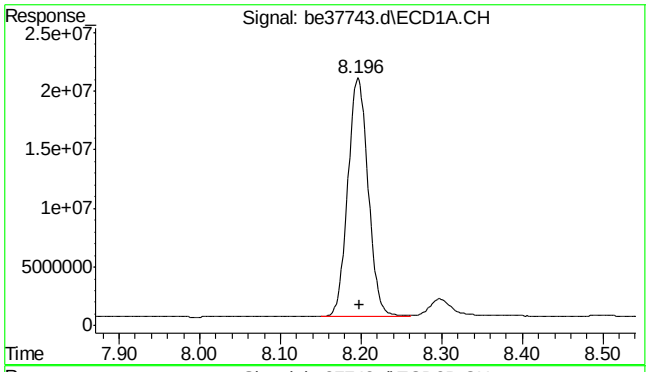
#14 4,4'-DDE

R.T.: 7.478 min
Delta R.T.: 0.000 min
Response: 2573733
Conc: 0.90 ppb m



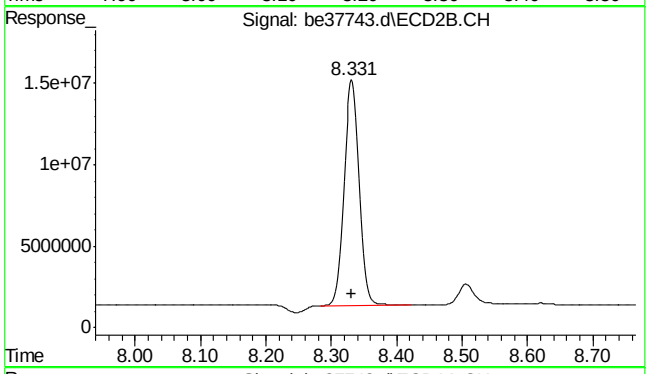
#14 4,4'-DDE

R.T.: 7.719 min
Delta R.T.: 0.000 min
Response: 2326960
Conc: 3120.63 ppb m



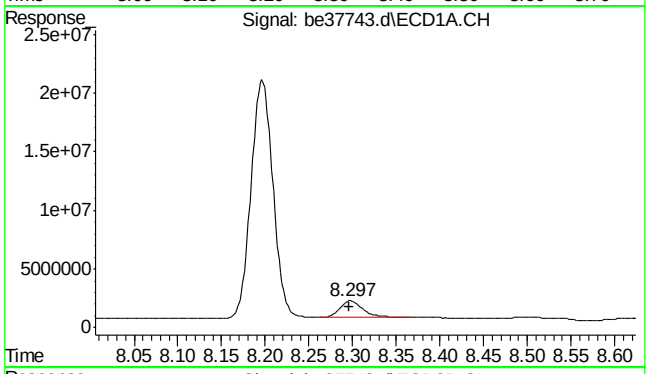
#16 Endrin

R.T.: 8.196 min
Delta R.T.: -0.001 min
Response: 354436345
Conc: 130.19 ppb m



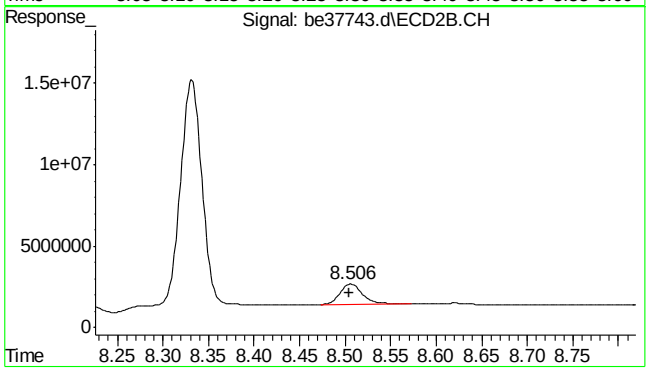
#16 Endrin

R.T.: 8.331 min
Delta R.T.: 0.000 min
Response: 224156845
Conc: 144.43 ppb m



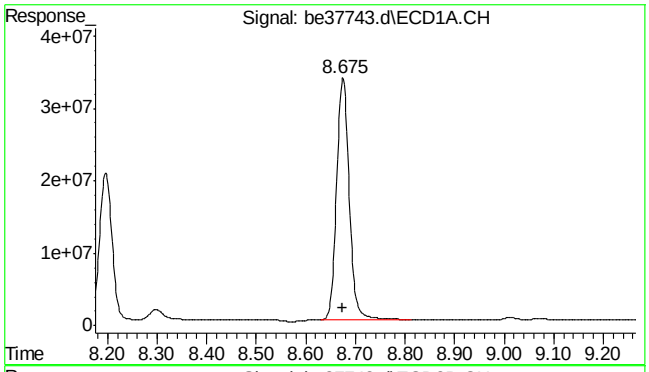
#17 4,4'-DDD

R.T.: 8.297 min
Delta R.T.: 0.001 min
Response: 27353000
Conc: 12.24 ppb m



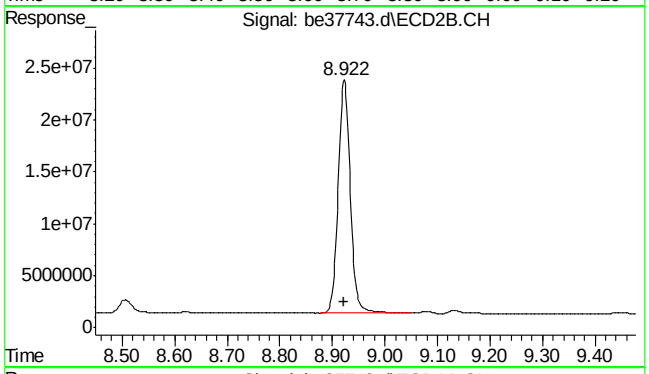
#17 4,4'-DDD

R.T.: 8.506 min
Delta R.T.: 0.001 min
Response: 21782707
Conc: 14.25 ppb m



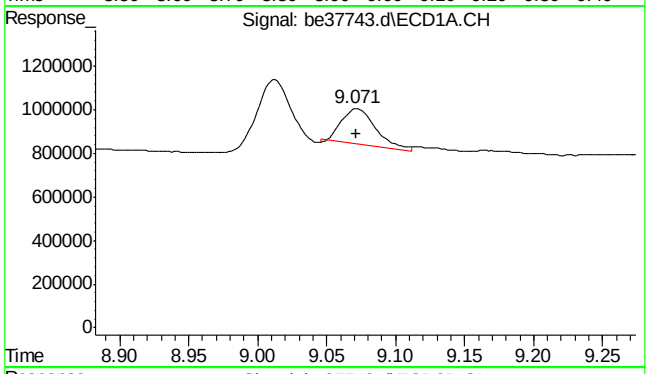
#19 4,4'-DDT

R.T.: 8.675 min
Delta R.T.: 0.000 min
Response: 587630041
Conc: 235.50 ppb m



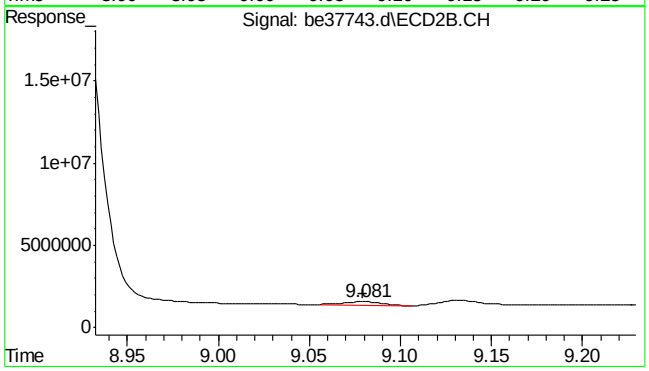
#19 4,4'-DDT

R.T.: 8.922 min
Delta R.T.: 0.000 min
Response: 360073134
Conc: 269.57 ppb m



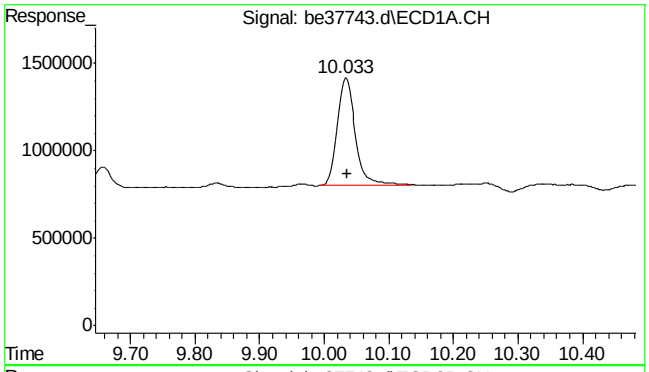
#20 Endrin Aldehyde

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 2876962
Conc: 0.89 ppb m



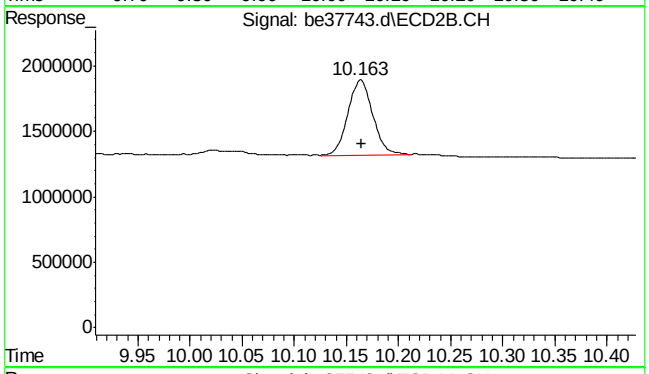
#20 Endrin Aldehyde

R.T.: 9.081 min
Delta R.T.: 0.001 min
Response: 2703073
Conc: 0.39 ppb m



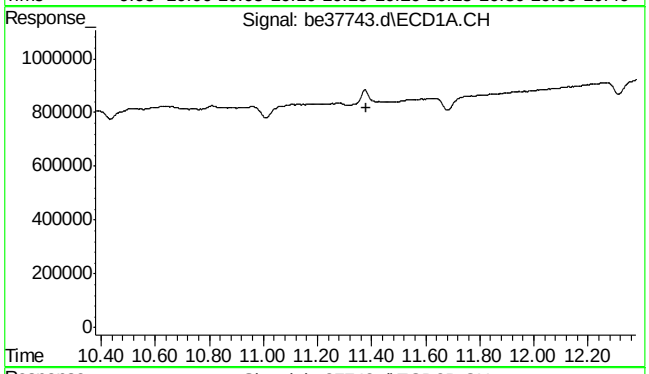
#23 Endrin Ketone

R.T.: 10.033 min
Delta R.T.: -0.002 min
Response: 11744029
Conc: 4.38 ppb m



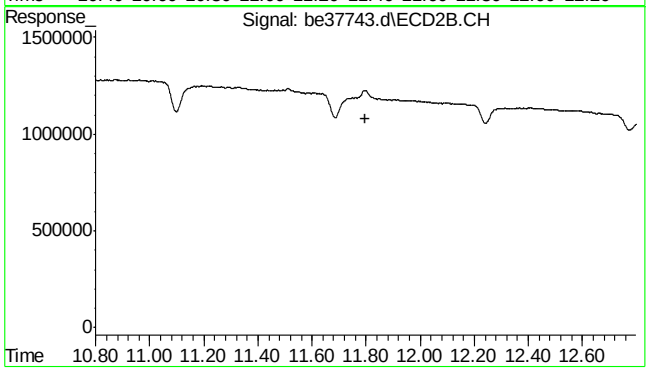
#23 Endrin Ketone

R.T.: 10.163 min
Delta R.T.: 0.000 min
Response: 9451990
Conc: 4.57 ppb m



#38 DCB

R.T.: 0.000 min
Exp R.T. : 11.379 min
Response: 0
Conc: N.D.



#38 DCB

R.T.: 0.000 min
Exp R.T. : 11.798 min
Response: 0
Conc: N.D.

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37410.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 14:09:34
Operator : andrip
Sample : ic1943-1000,ct
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 76 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:53:08 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 14:16:35 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1)	s TCMX	3.639	3.597	235.2E6	146.5E6	37.634	43.087
	Spiked Amount 40.000			Recovery	=	94.08%	107.72%
38)	s DCB	11.380	11.804	175.8E6	79451869	37.998m	33.363m
	Spiked Amount 40.000			Recovery	=	94.99%	83.41%
	Target Compounds						
24)	Chlordane-A	5.576f	5.511	121.7E6	70447567	462.852m	572.871m
25)	Chlordane-B	5.694f	5.724	202.6E6	120.7E6	457.398m	600.302 #
26)	Chlordane-C	7.359f	7.267	1160.2E6	627.8E6	466.070m	539.963m
27)	Toxaphene-A	8.663f	8.739f	2021.0E6	1138.0E6	4689.211m	5227.010m
28)	Toxaphene-B	9.050f	9.093f	2087.3E6	1087.3E6	4561.523m	4959.597m
29)	Toxaphene-C	9.528f	9.773f	2274.0E6	1353.8E6	4447.415m	4940.250m

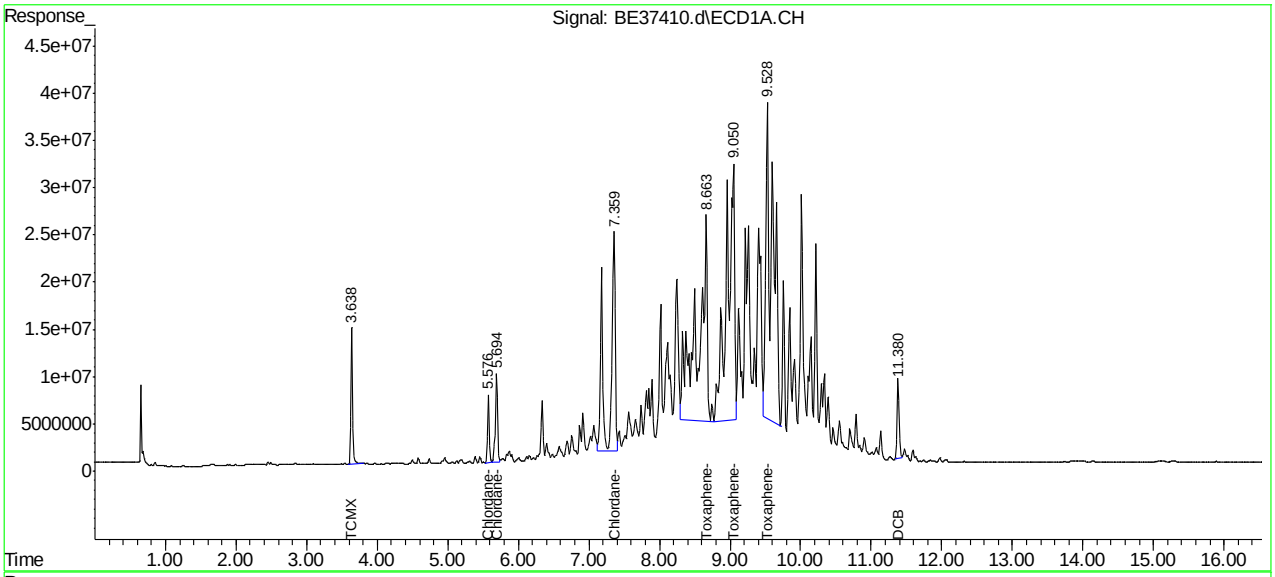
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

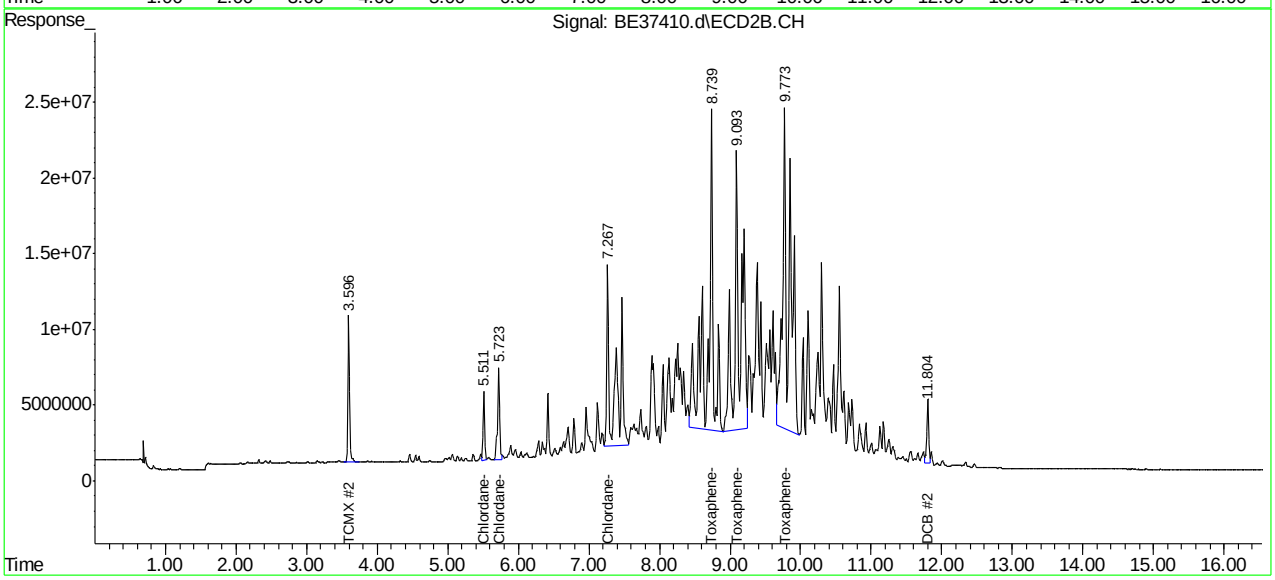
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37410.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 14:09:34
Operator : andrip
Sample : ic1943-1000,ct
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 76 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

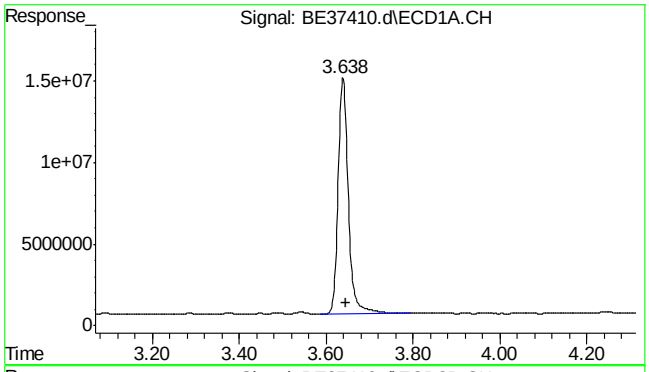
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:53:08 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 14:16:35 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



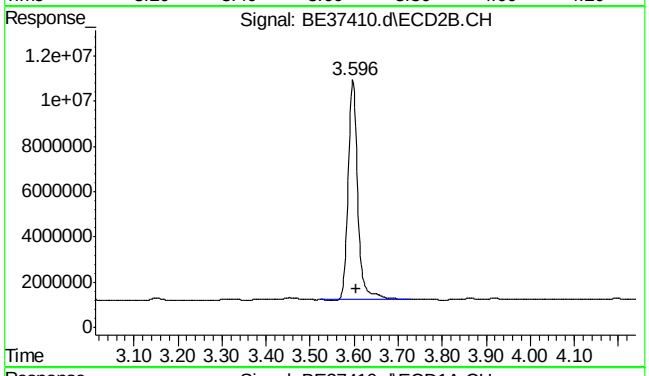


ACCUTEST LABORATORIES MC23456



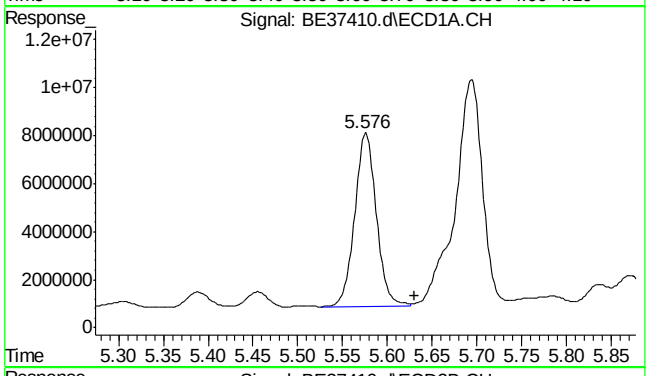
#1 TCMX

R.T.: 3.639 min
Delta R.T.: -0.007 min
Response: 235160044
Conc: 37.63 ppb



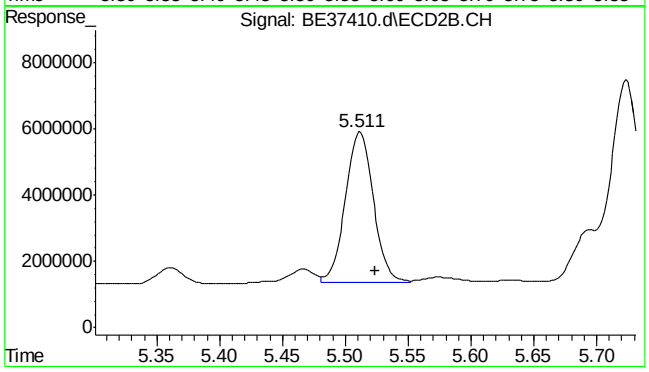
#1 TCMX

R.T.: 3.597 min
Delta R.T.: -0.008 min
Response: 146529701
Conc: 43.09 ppb



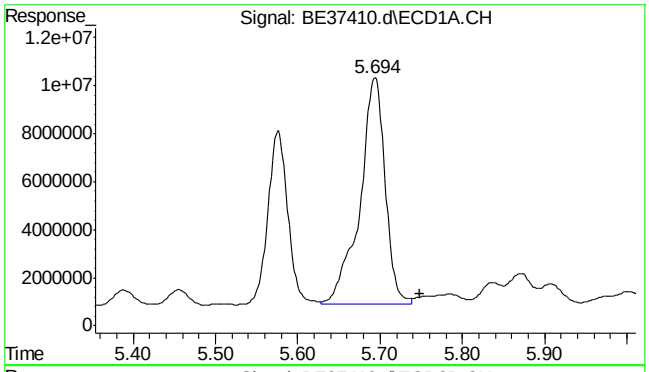
#24 Chlordane-A

R.T.: 5.576 min
Delta R.T.: -0.054 min
Response: 121653867
Conc: 462.85 m



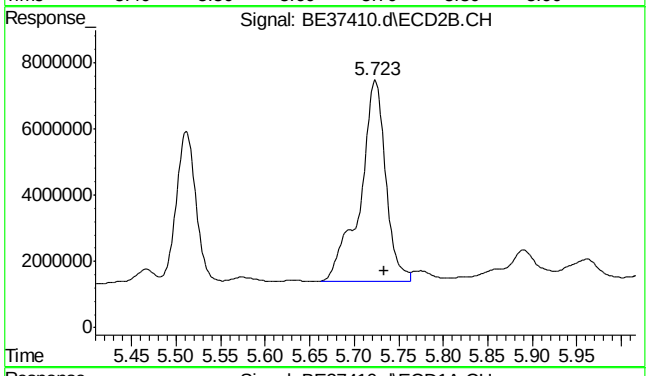
#24 Chlordane-A

R.T.: 5.511 min
Delta R.T.: -0.013 min
Response: 70447567
Conc: 572.87 m



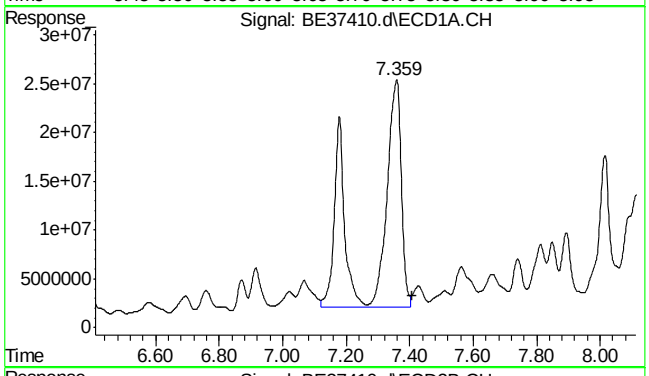
#25 Chlordane-B

R.T.: 5.694 min
Delta R.T.: -0.054 min
Response: 202584202
Conc: 457.40 m



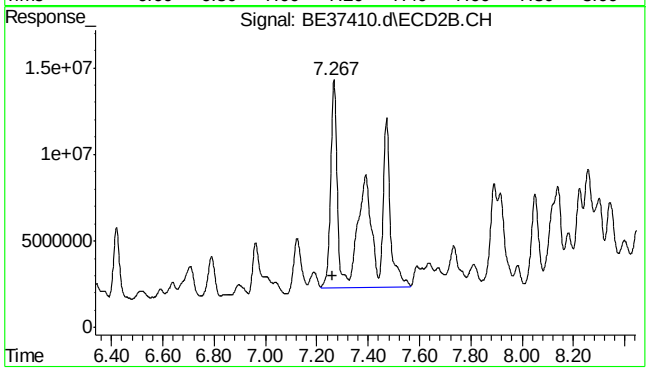
#25 Chlordane-B

R.T.: 5.724 min
Delta R.T.: -0.010 min
Response: 120715319
Conc: 600.30



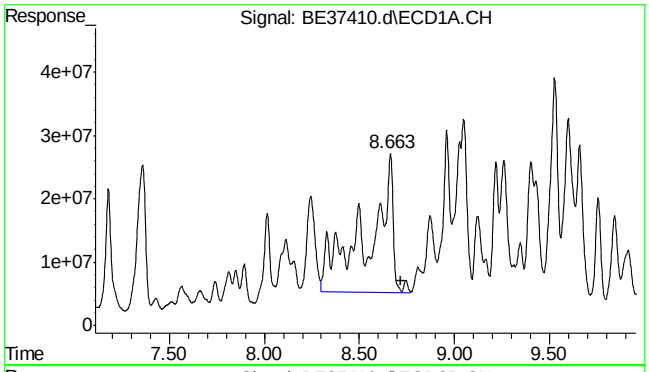
#26 Chlordane-C

R.T.: 7.359 min
Delta R.T.: -0.049 min
Response: 1160175608
Conc: 466.07 m



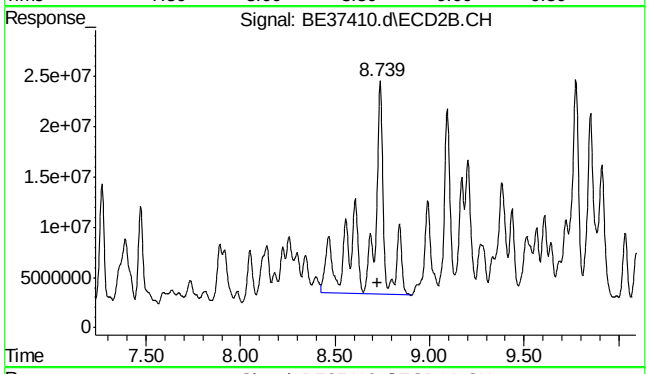
#26 Chlordane-C

R.T.: 7.267 min
Delta R.T.: 0.006 min
Response: 627810615
Conc: 539.96 m



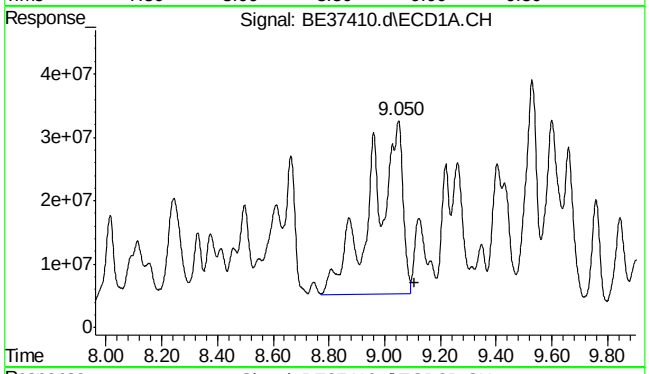
#27 Toxaphene-A

R.T.: 8.663 min
Delta R.T.: -0.057 min
Response: 2021044481
Conc: 4689.21 m



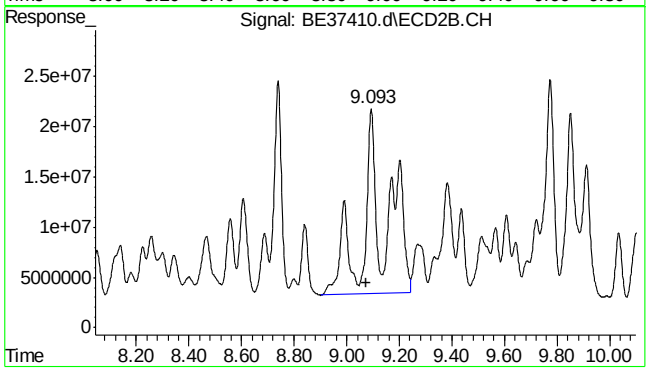
#27 Toxaphene-A

R.T.: 8.739 min
Delta R.T.: 0.016 min
Response: 1138027995
Conc: 5227.01 m



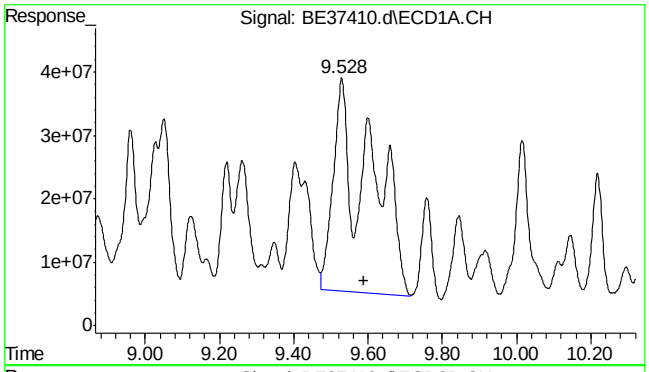
#28 Toxaphene-B

R.T.: 9.050 min
Delta R.T.: -0.057 min
Response: 2087314417
Conc: 4561.52 m



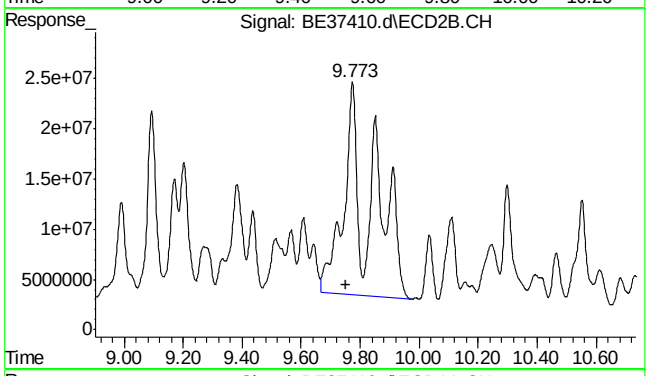
#28 Toxaphene-B

R.T.: 9.093 min
Delta R.T.: 0.019 min
Response: 1087260405
Conc: 4959.60 m



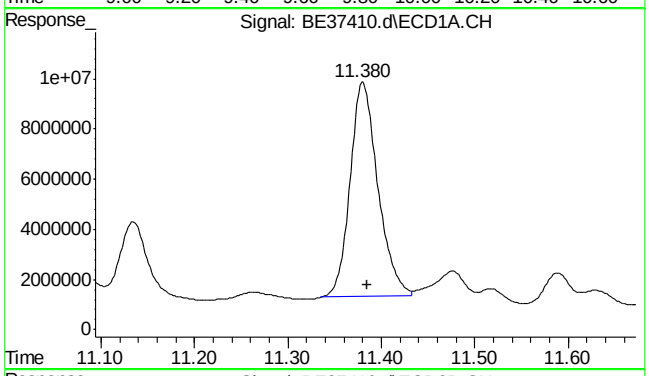
#29 Toxaphene-C

R.T.: 9.528 min
Delta R.T.: -0.060 min
Response: 2274003487
Conc: 4447.42 m



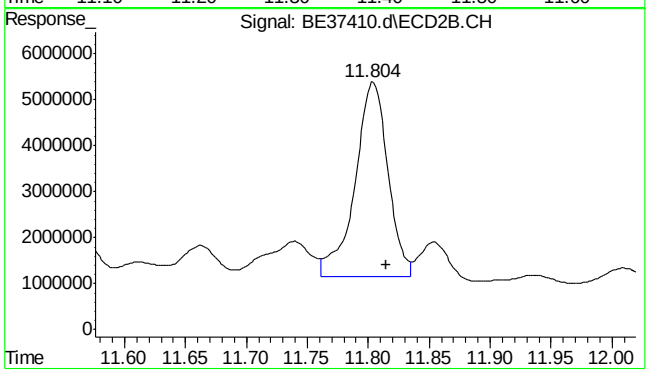
#29 Toxaphene-C

R.T.: 9.773 min
Delta R.T.: 0.019 min
Response: 1353838256
Conc: 4940.25 m



#38 DCB

R.T.: 11.380 min
Delta R.T.: -0.005 min
Response: 175772289
Conc: 38.00 ppb m



#38 DCB

R.T.: 11.804 min
Delta R.T.: -0.011 min
Response: 79451869
Conc: 33.36 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37411.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 14:33:15
Operator : andrip
Sample : ic1943-500,ct
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 77 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 15:57:45 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 14:31:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1)	s TCMX	3.644	3.597	115.3E6	75551779	19.650	23.260
	Spiked Amount 40.000			Recovery	=	49.13%	58.15%
38)	s DCB	11.383	11.803	88338894	40759640	20.333m	18.168m
	Spiked Amount 40.000			Recovery	=	50.83%	45.42%
	Target Compounds						
24)	Chlordane-A	5.580	5.512	59911620	37556211	321.312	388.838
25)	Chlordane-B	5.698	5.724	101.1E6	63978070	315.676	397.321m#
26)	Chlordane-C	7.363	7.267	579.8E6	339.3E6	318.823m	378.456m
27)	Toxaphene-A	8.667	8.738	1014.4E6	598.4E6	3220.797m	3591.805m
28)	Toxaphene-B	9.053	9.092	1038.2E6	588.3E6	3140.374m	3603.686m
29)	Toxaphene-C	9.532	9.774	1159.7E6	705.0E6	3140.564m	3441.056m

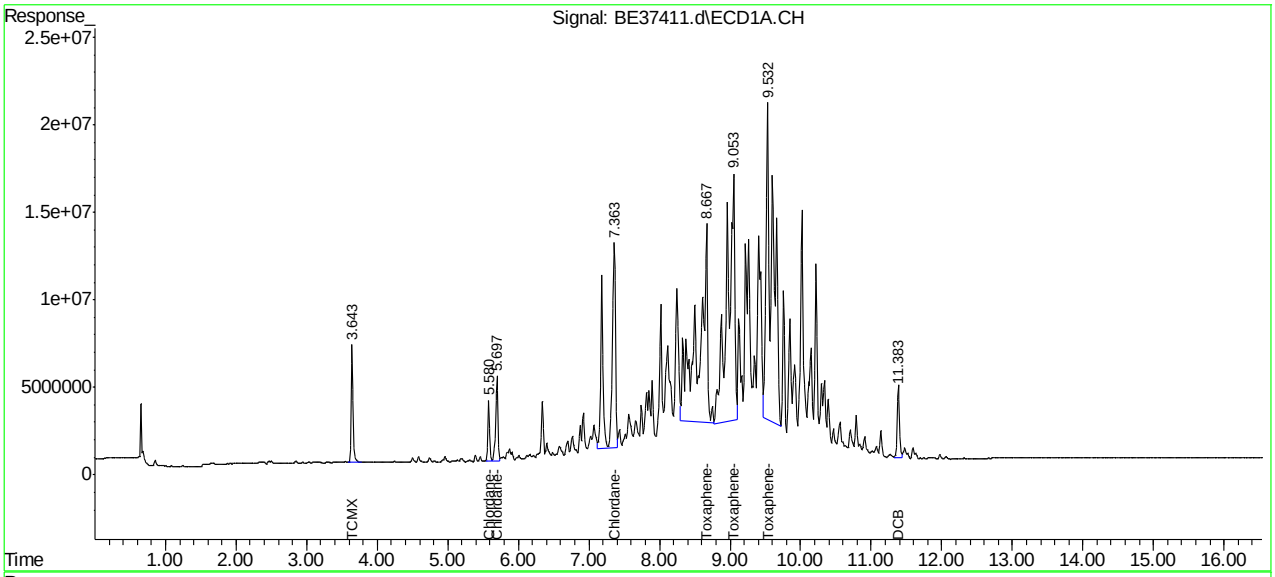
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

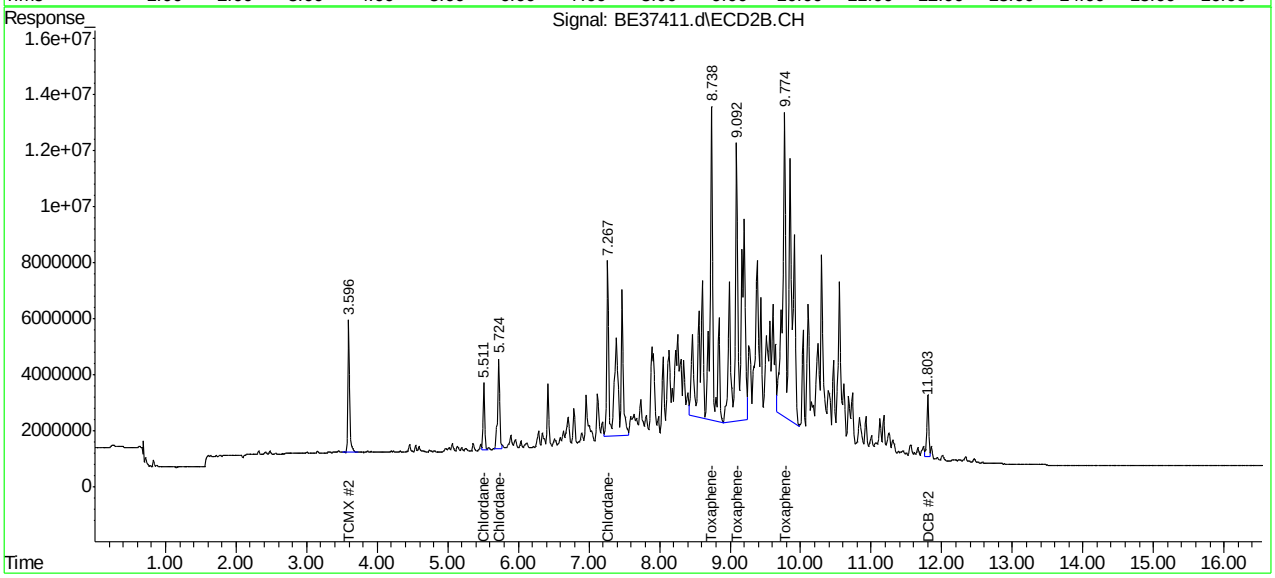
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37411.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 14:33:15
Operator : andrip
Sample : ic1943-500,ct
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 77 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

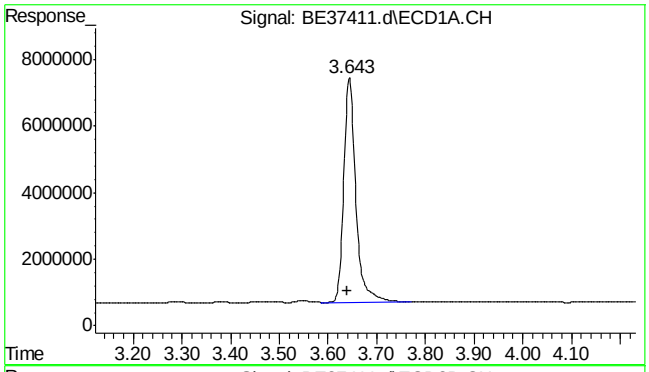
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 15:57:45 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 14:31:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



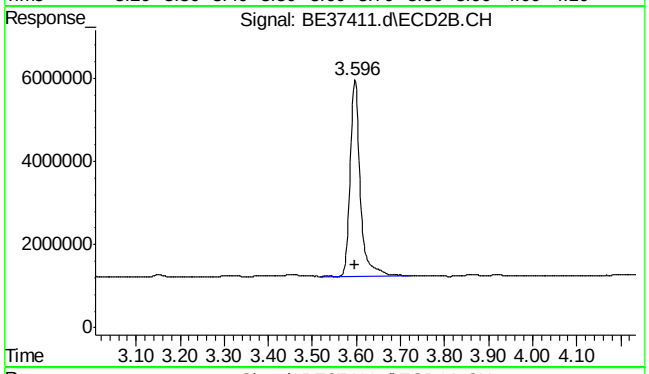


ACCUTEST LABORATORIES MC23456



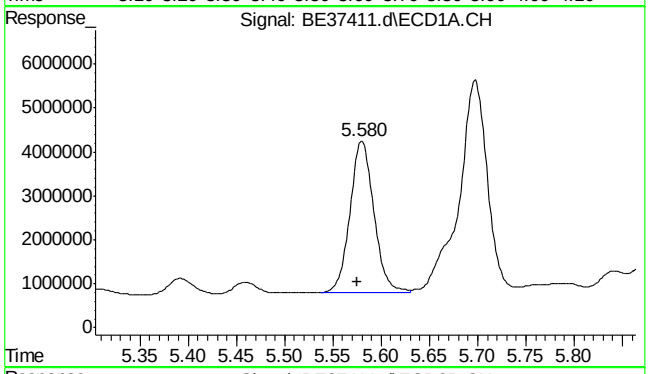
#1 TCMX

R.T.: 3.644 min
Delta R.T.: 0.005 min
Response: 115277516
Conc: 19.65 ppb



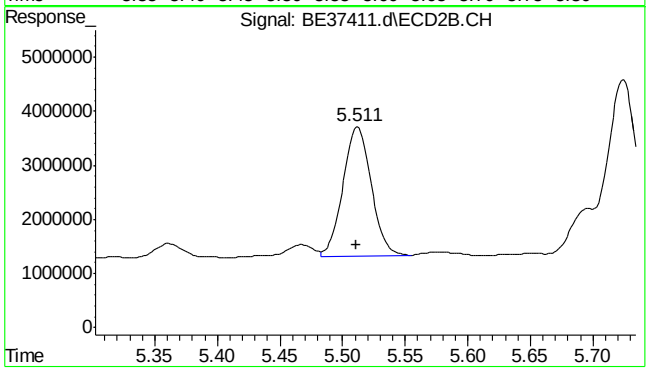
#1 TCMX

R.T.: 3.597 min
Delta R.T.: 0.000 min
Response: 75551779
Conc: 23.26 ppb



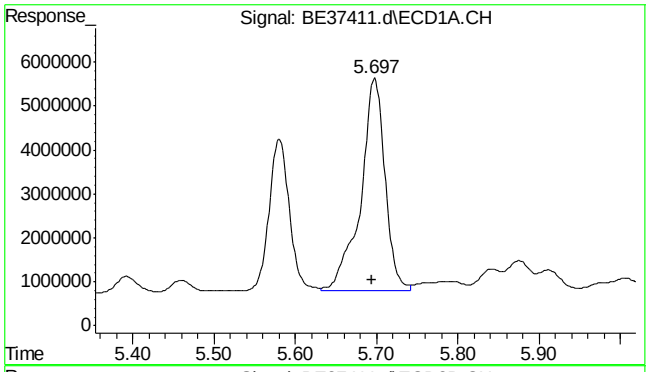
#24 Chlordane-A

R.T.: 5.580 min
Delta R.T.: 0.005 min
Response: 59911620
Conc: 321.31



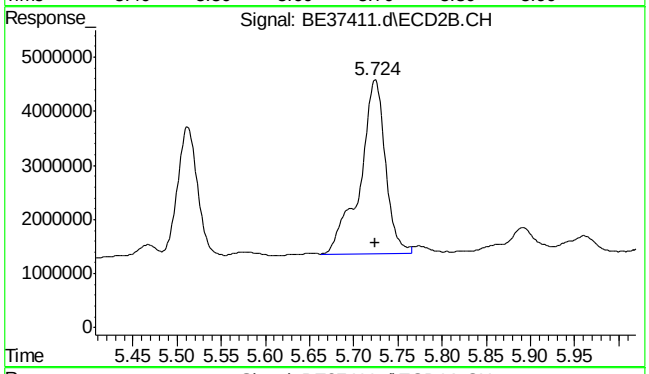
#24 Chlordane-A

R.T.: 5.512 min
Delta R.T.: 0.000 min
Response: 37556211
Conc: 388.84



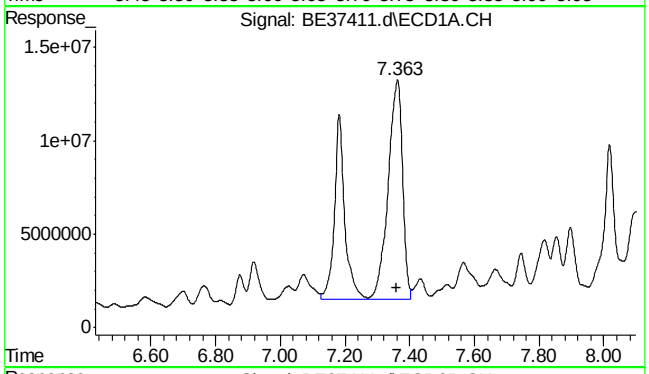
#25 Chlordane-B

R.T.: 5.698 min
Delta R.T.: 0.004 min
Response: 101061147
Conc: 315.68



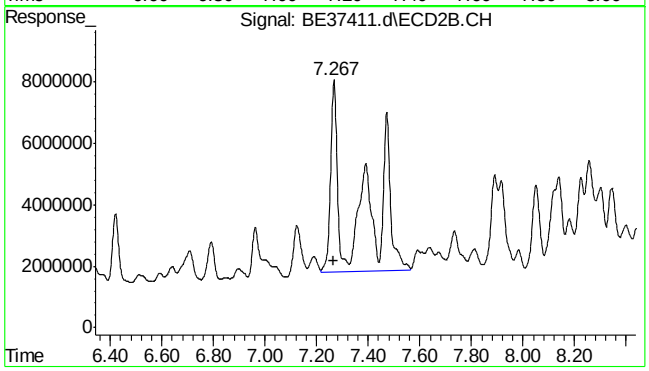
#25 Chlordane-B

R.T.: 5.724 min
Delta R.T.: 0.000 min
Response: 63978070
Conc: 397.32 m



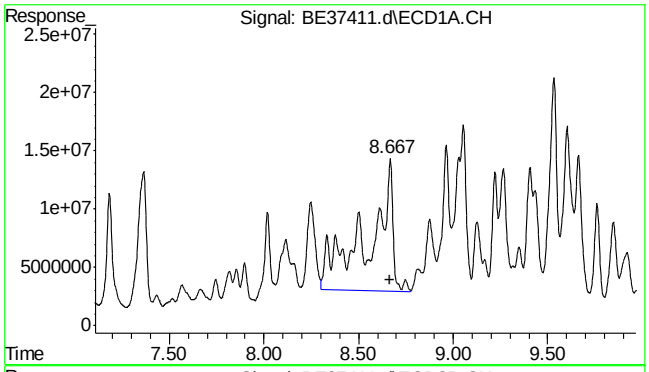
#26 Chlordane-C

R.T.: 7.363 min
Delta R.T.: 0.004 min
Response: 579801245
Conc: 318.82 m



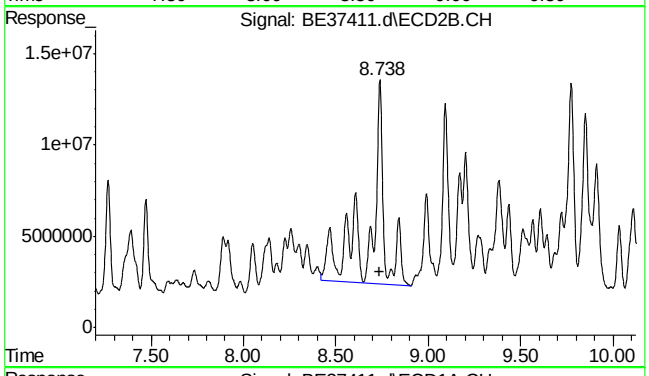
#26 Chlordane-C

R.T.: 7.267 min
Delta R.T.: 0.000 min
Response: 339332270
Conc: 378.46 m



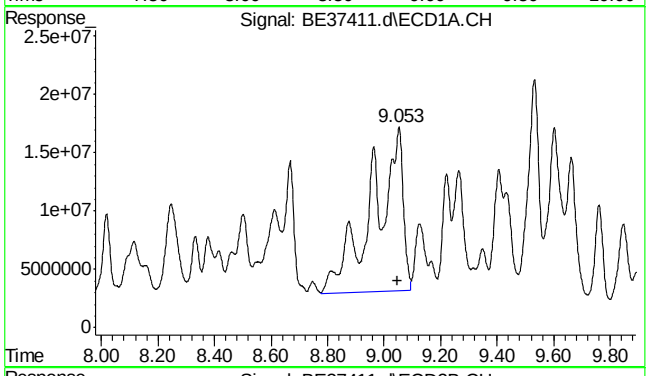
#27 Toxaphene-A

R.T.: 8.667 min
Delta R.T.: 0.004 min
Response: 1014394287
Conc: 3220.80 m



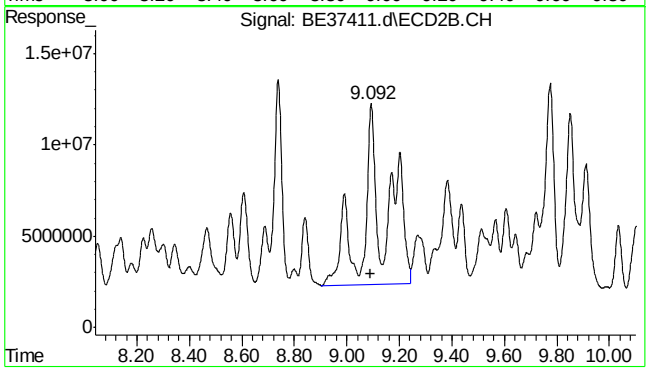
#27 Toxaphene-A

R.T.: 8.738 min
Delta R.T.: 0.000 min
Response: 598386985
Conc: 3591.81 m



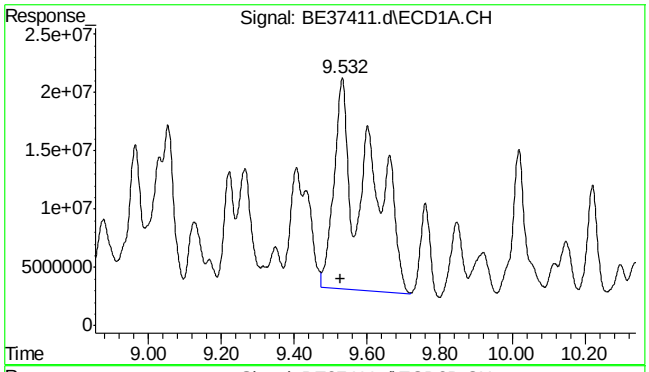
#28 Toxaphene-B

R.T.: 9.053 min
Delta R.T.: 0.003 min
Response: 1038237565
Conc: 3140.37 m



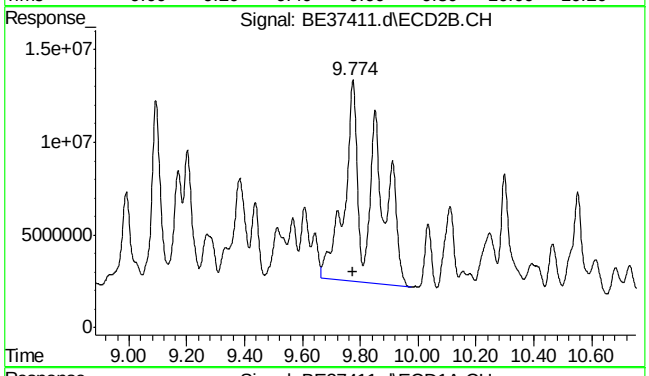
#28 Toxaphene-B

R.T.: 9.092 min
Delta R.T.: 0.000 min
Response: 588306896
Conc: 3603.69 m



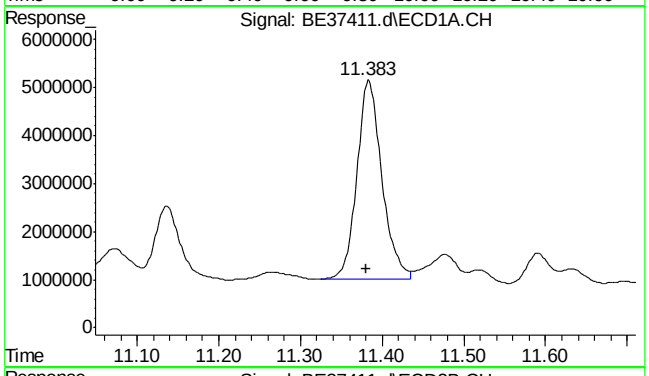
#29 Toxaphene-C

R.T.: 9.532 min
Delta R.T.: 0.004 min
Response: 1159708186
Conc: 3140.56 m



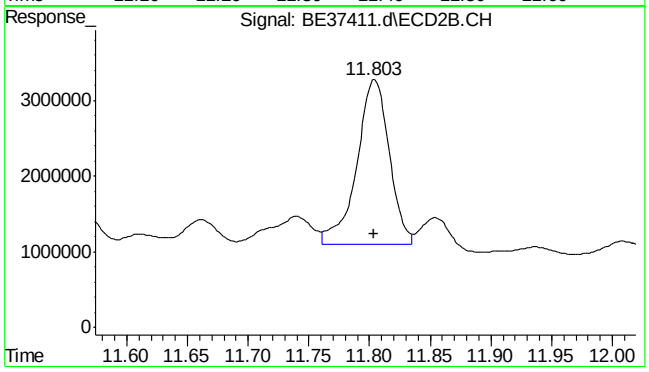
#29 Toxaphene-C

R.T.: 9.774 min
Delta R.T.: 0.000 min
Response: 704992389
Conc: 3441.06 m



#38 DCB

R.T.: 11.383 min
Delta R.T.: 0.003 min
Response: 88338894
Conc: 20.33 ppb m



#38 DCB

R.T.: 11.803 min
Delta R.T.: 0.000 min
Response: 40759640
Conc: 18.17 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37412.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 14:54:42
Operator : andrip
Sample : ic1943-500,a16/60
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 78 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 15:59:44 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 15:58:04 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.639	3.596	152.2E6	94015633	27.790	30.421
	Spiked Amount 40.000			Recovery	=	69.47%	76.05%
38) s	DCB	11.382	11.804	95422288	51258751	23.531	24.201m
	Spiked Amount 40.000			Recovery	=	58.83%	60.50%
	Target Compounds						
30)	AR1016-A	4.189f	4.336f	24987817	17217358	257.727m	295.528m
31)	AR1016-B	4.720f	4.930f	55575380	36066519	239.920m	316.253m#
32)	AR1016-C	5.414f	5.591	112.7E6	69461245	274.059m	305.801m
33)	AR1260-A	7.882f	8.165	65070625	37578060	231.653m	272.708m
34)	AR1260-B	8.260f	8.442f	122.5E6	45510222	215.405m	242.045
35)	AR1260-C	8.640f	9.044f	216.3E6	119.4E6	220.301m	251.408m
36)	AR1260-D	9.541f	9.771f	160.2E6	81249793	214.136m	226.182m
37)	AR1260-E	9.923f	10.263f	141.3E6	80403859	216.636m	226.099m

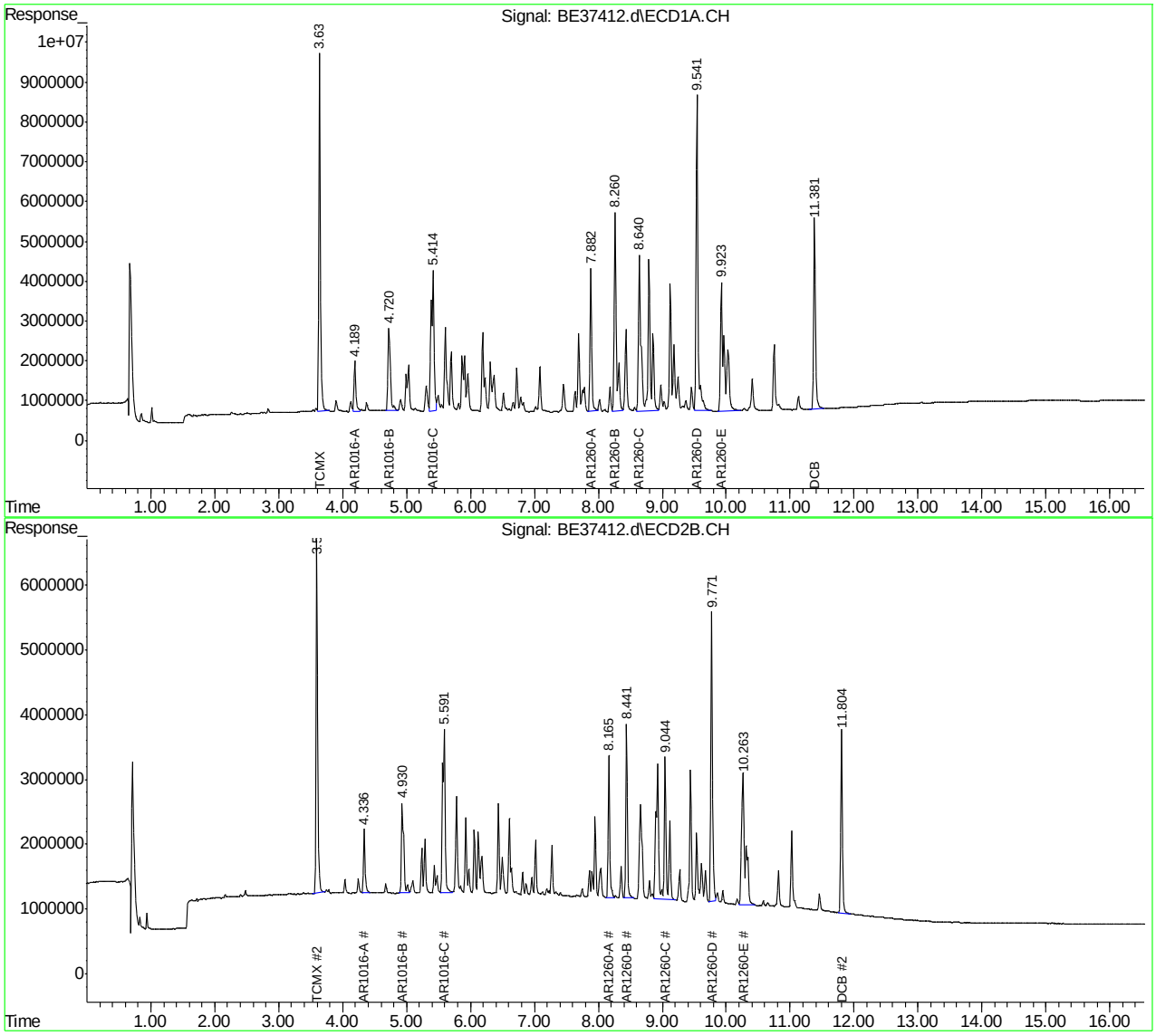
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

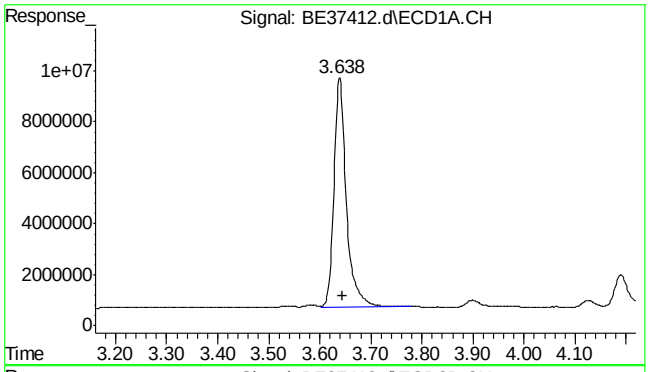
Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37412.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 14:54:42
Operator : andrip
Sample : ic1943-500,a16/60
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 78 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 15:59:44 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 15:58:04 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

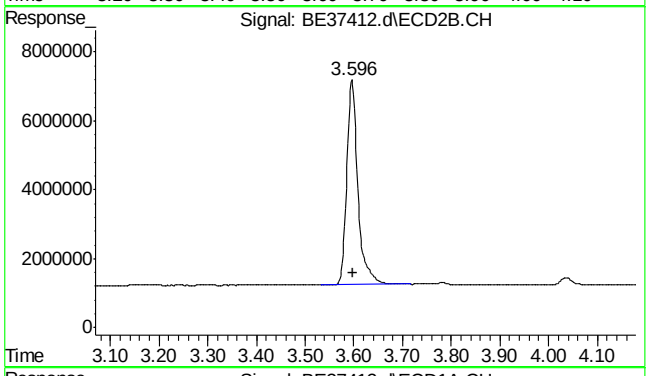


ACCUTEST LABORATORIES MC23456



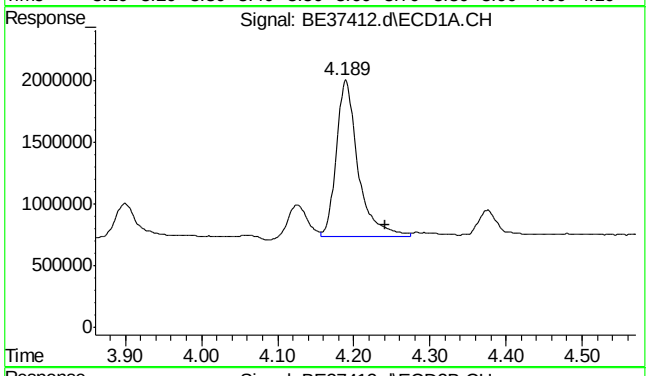
#1 TCMX

R.T.: 3.639 min
Delta R.T.: -0.005 min
Response: 152209284
Conc: 27.79 ppb



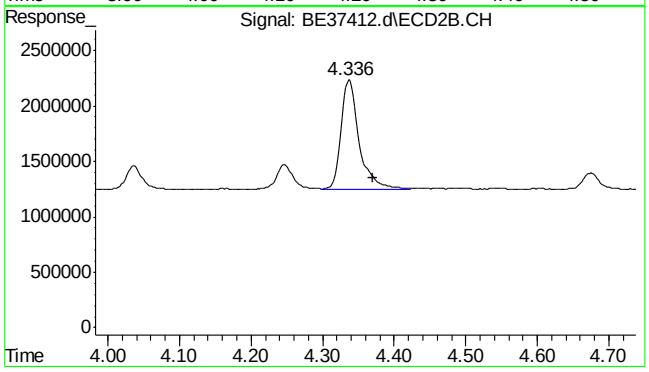
#1 TCMX

R.T.: 3.596 min
Delta R.T.: 0.000 min
Response: 94015633
Conc: 30.42 ppb



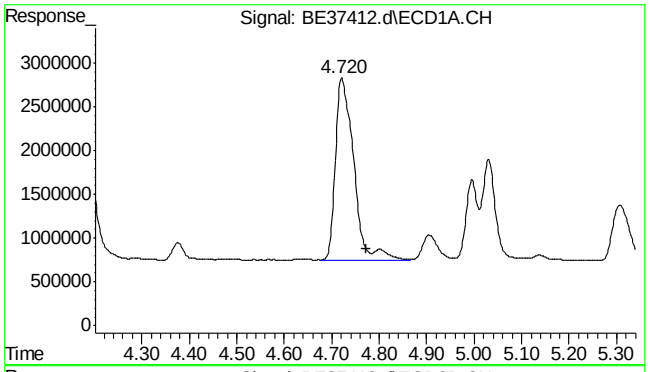
#30 AR1016-A

R.T.: 4.189 min
Delta R.T.: -0.053 min
Response: 24987817
Conc: 257.73 m



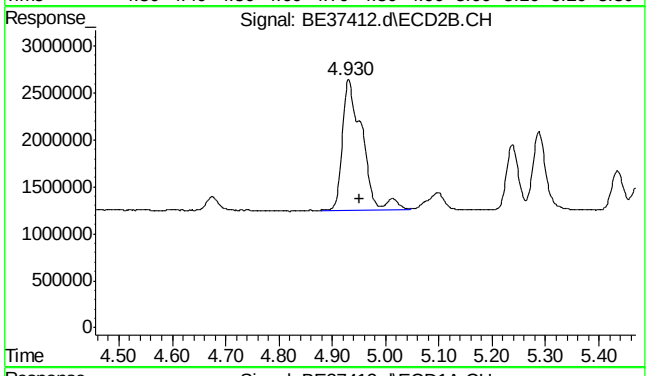
#30 AR1016-A

R.T.: 4.336 min
Delta R.T.: -0.034 min
Response: 17217358
Conc: 295.53 m



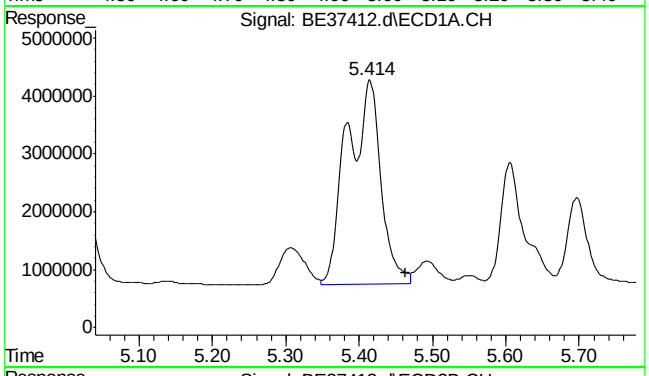
#31 AR1016-B

R.T.: 4.720 min
Delta R.T.: -0.052 min
Response: 55575380
Conc: 239.92 m



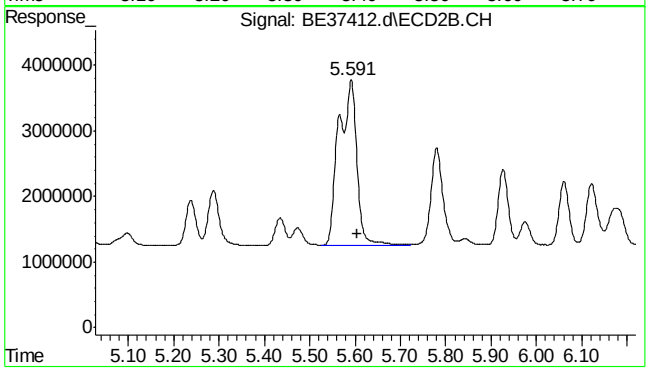
#31 AR1016-B

R.T.: 4.930 min
Delta R.T.: -0.022 min
Response: 36066519
Conc: 316.25 m



#32 AR1016-C

R.T.: 5.414 min
Delta R.T.: -0.049 min
Response: 112745027
Conc: 274.06 m

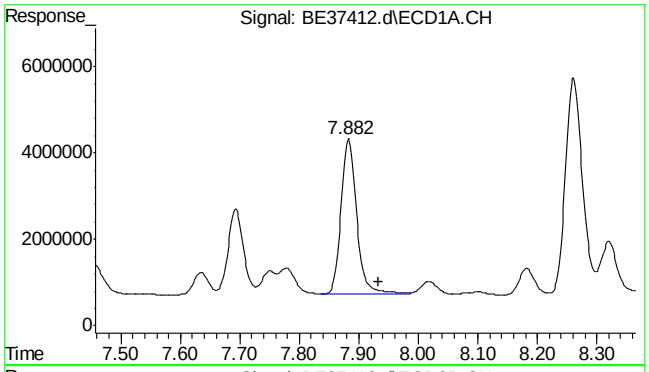


#32 AR1016-C

R.T.: 5.591 min
Delta R.T.: -0.013 min
Response: 69461245
Conc: 305.80 m

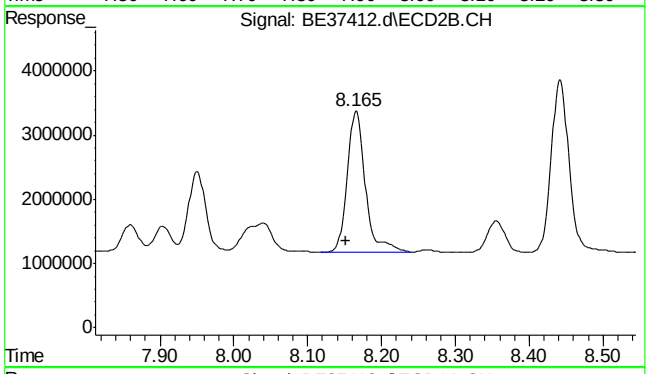
9.6.3

6



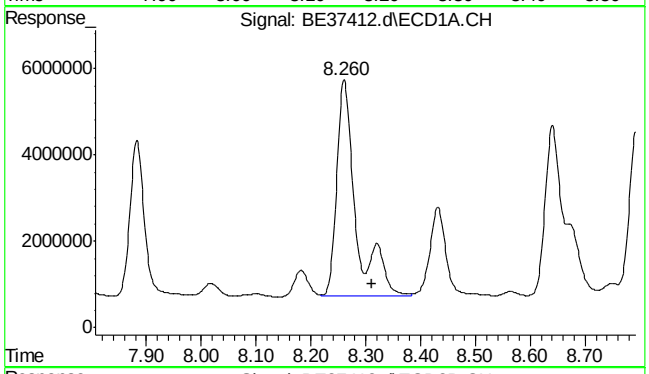
#33 AR1260-A

R.T.: 7.882 min
Delta R.T.: -0.051 min
Response: 65070625
Conc: 231.65 m



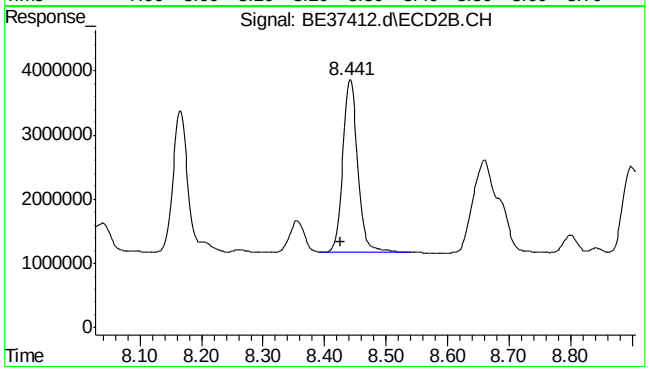
#33 AR1260-A

R.T.: 8.165 min
Delta R.T.: 0.013 min
Response: 37578060
Conc: 272.71 m



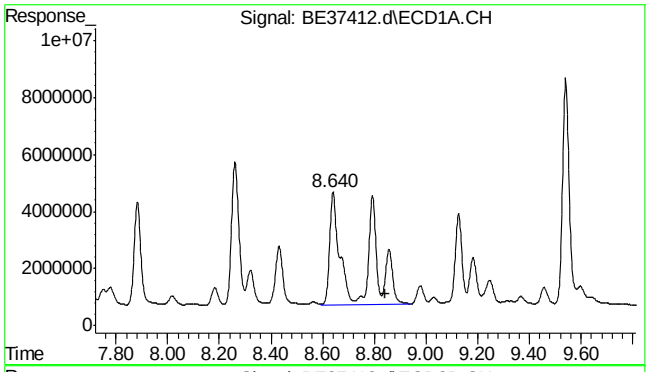
#34 AR1260-B

R.T.: 8.260 min
Delta R.T.: -0.051 min
Response: 122475076
Conc: 215.40 m



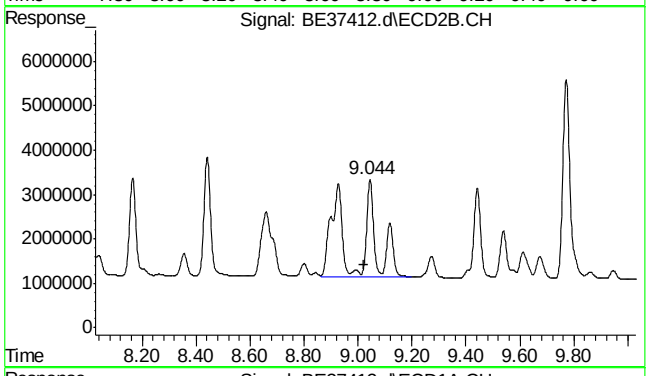
#34 AR1260-B

R.T.: 8.442 min
Delta R.T.: 0.017 min
Response: 45510222
Conc: 242.05



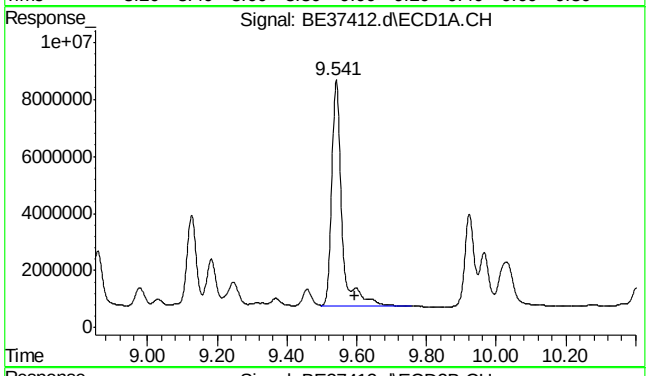
#35 AR1260-C

R.T.: 8.640 min
Delta R.T.: -0.204 min
Response: 216264279
Conc: 220.30 m



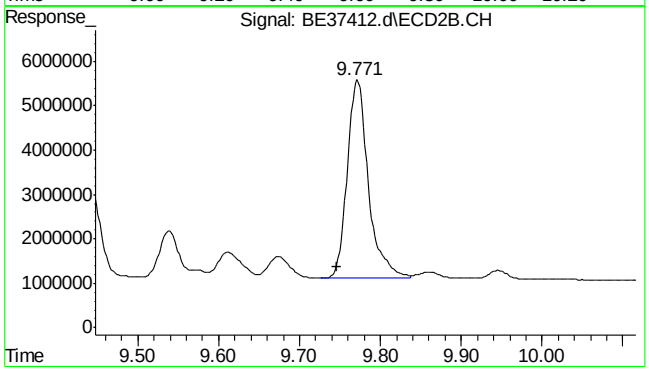
#35 AR1260-C

R.T.: 9.044 min
Delta R.T.: 0.020 min
Response: 119393339
Conc: 251.41 m



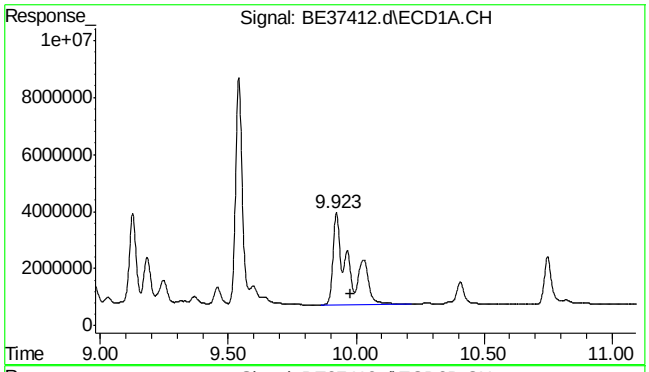
#36 AR1260-D

R.T.: 9.541 min
Delta R.T.: -0.053 min
Response: 160186782
Conc: 214.14 m



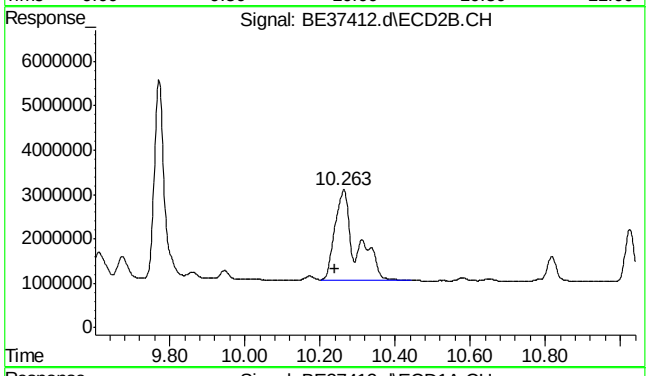
#36 AR1260-D

R.T.: 9.771 min
Delta R.T.: 0.024 min
Response: 81249793
Conc: 226.18 m



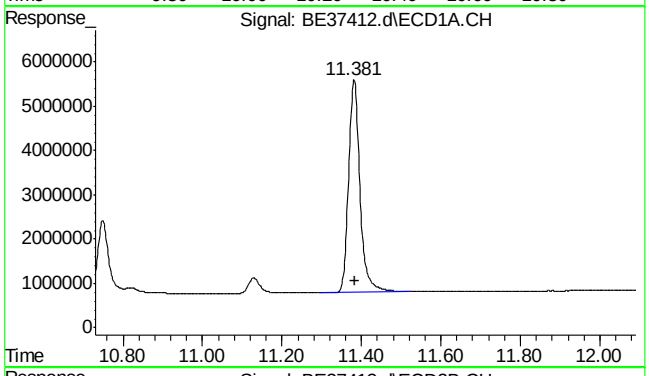
#37 AR1260-E

R.T.: 9.923 min
Delta R.T.: -0.055 min
Response: 141308418
Conc: 216.64 m



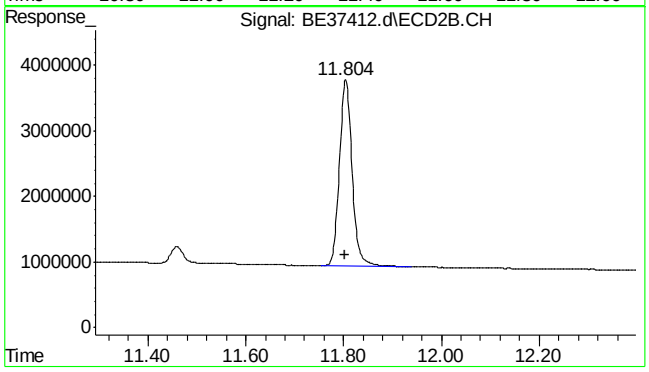
#37 AR1260-E

R.T.: 10.263 min
Delta R.T.: 0.024 min
Response: 80403859
Conc: 226.10 m



#38 DCB

R.T.: 11.382 min
Delta R.T.: 0.000 min
Response: 95422288
Conc: 23.53 ppb



#38 DCB

R.T.: 11.804 min
Delta R.T.: 0.000 min
Response: 51258751
Conc: 24.20 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37413.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 15:16:11
Operator : andrip
Sample : ic1943-500,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 79 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 16:00:47 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 15:59:51 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
1)	s TCMX	3.640	3.596	162.6E6	104.0E6	32.432m	35.898m	
	Spiked Amount 40.000			Recovery	=	81.08%	89.75%	
38)	s DCB	11.382	11.804	100.4E6	53815756	27.019	27.534	
	Spiked Amount 40.000			Recovery	=	67.55%	68.84%	
	Target Compounds							
2)	Hexachlor...	4.241	4.319	1989.6E6	1177.1E6	210.354m	243.778	
3)	Alpha-BHC	4.501	4.545	2343.5E6	1463.0E6	210.592	256.313	
4)	Gamma-BHC	4.986	5.088	2064.4E6	1261.0E6	210.655	254.694	
5)	Beta-BHC	5.117	5.221	818.3E6	481.3E6	212.322	254.641	
6)	Heptachlor	5.696	5.725	1570.4E6	904.7E6	192.293	221.463	
7)	Delta-BHC	5.383	5.654	1996.6E6	1215.0E6	216.259	263.908	
8)	Alachlor	6.360	6.081	1135.6E6	493.4E6	1631.528	1384.823	
9)	Aldrin	6.135	6.188	1675.4E6	952.5E6	188.889	213.104	
10)	Heptachlo...	7.005	7.008	1283.3E6	717.3E6	178.661	261.675	#
11)	Gamma-Chl...	7.180	7.269	1624.3E6	883.9E6	195.706	218.947	
12)	Alpha-Chl...	7.367	7.473	1532.1E6	825.9E6	273.570	214.264	
13)	Endosulfan-I	7.555	7.545	1229.2E6	650.6E6	174.676	187.652	
14)	4,4'-DDE	7.484	7.724	1346.4E6	758.6E6	231.746	225.530	
15)	Dieldrin	7.886	7.922	1361.7E6	743.0E6	210.625	194.553	
16)	Endrin	8.203	8.337	1189.0E6	628.2E6	208.289	209.742	
17)	4,4'-DDD	8.302	8.509	1083.9E6	578.5E6	221.886	219.307m	
18)	Endosulfa...	8.508	8.627	1073.2E6	588.7E6	194.432	188.493	
19)	4,4'-DDT	8.681	8.928	1194.9E6	621.9E6	233.439	219.842	
20)	Endrin Al...	9.077	9.086	856.4E6	445.1E6	188.621	181.529	
21)	Endosulfa...	9.665	9.454	958.8E6	511.3E6	189.355	175.625	
22)	Methoxychlor	9.335	9.865	495.3E6	244.7E6	251.943	310.131	
23)	Endrin Ke...	10.040	10.170	1095.0E6	559.8E6	178.701	164.803	

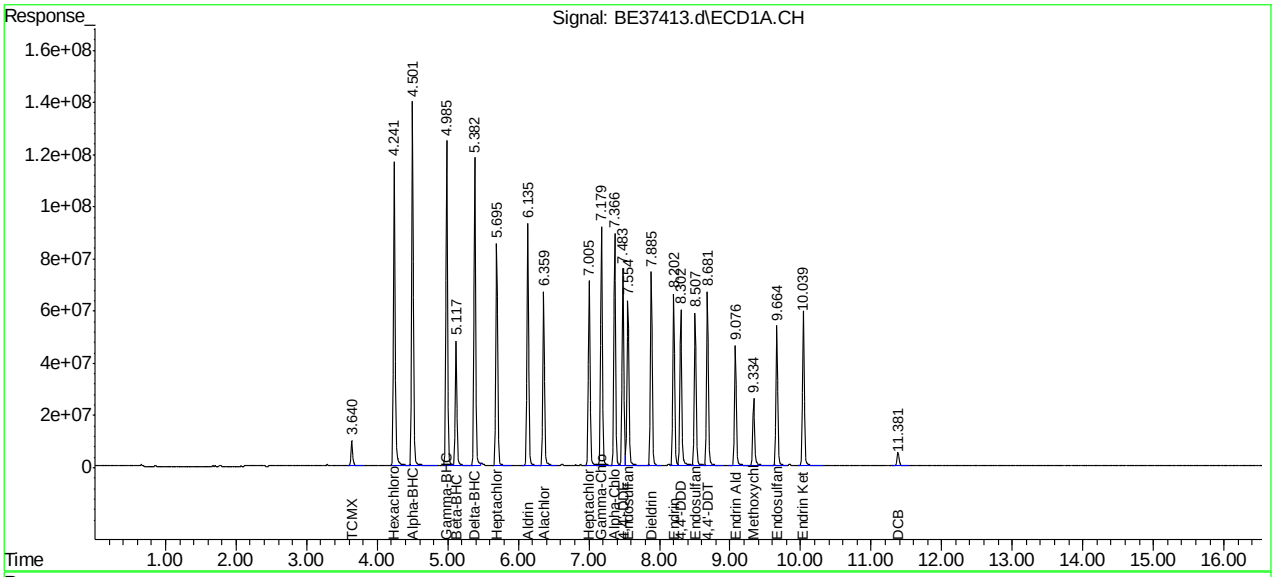
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

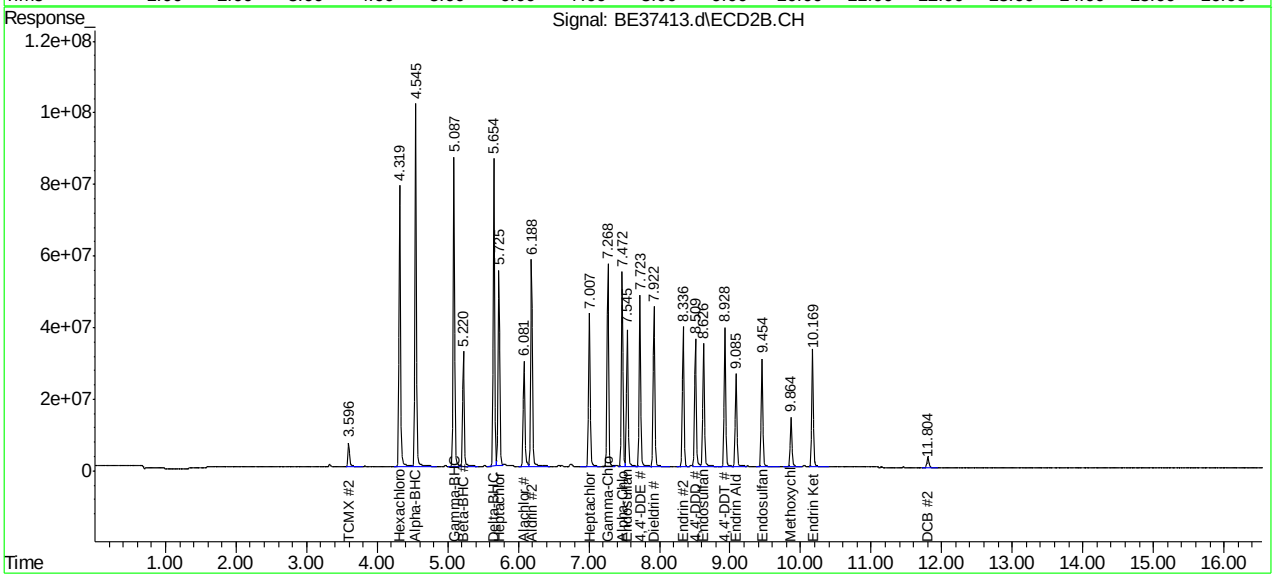
Quantitation Report (QT Reviewed)

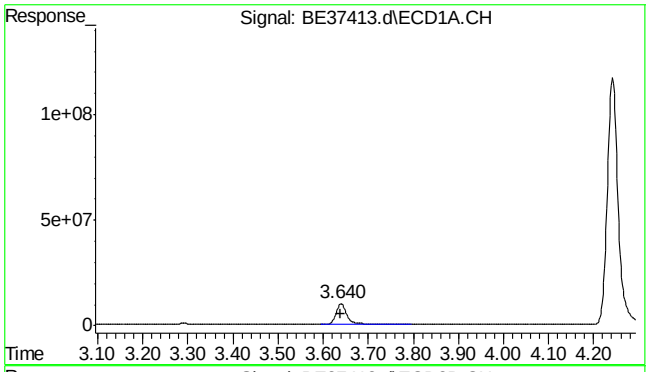
Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37413.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 15:16:11
Operator : andrip
Sample : ic1943-500,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 79 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 16:00:47 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 15:59:51 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

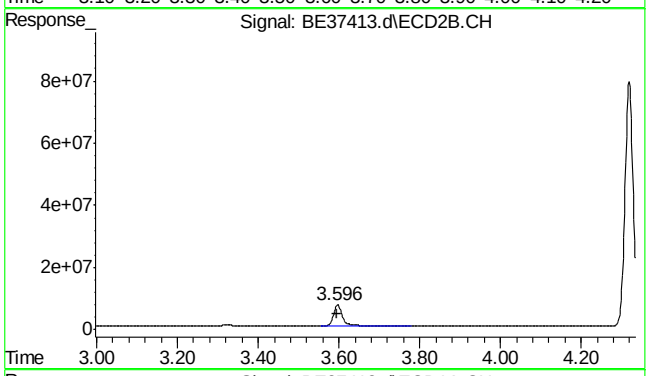






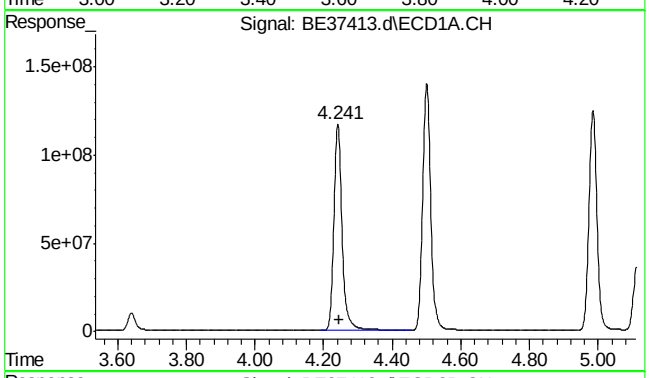
#1 TCMX

R.T.: 3.640 min
Delta R.T.: 0.000 min
Response: 162643202
Conc: 32.43 ppb m



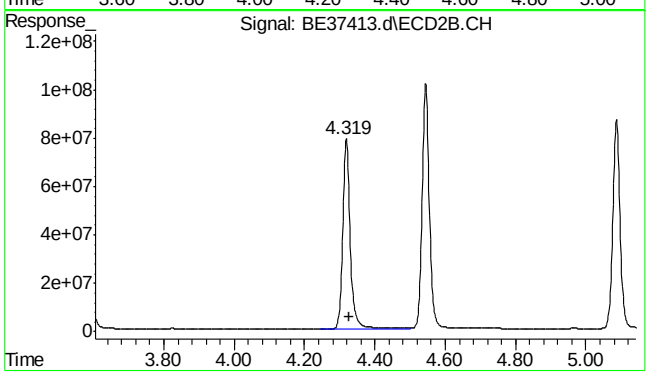
#1 TCMX

R.T.: 3.596 min
Delta R.T.: 0.000 min
Response: 103997024
Conc: 35.90 ppb m



#2 Hexachlorobenzene

R.T.: 4.241 min
Delta R.T.: -0.006 min
Response: 1989565101
Conc: 210.35 ppb m

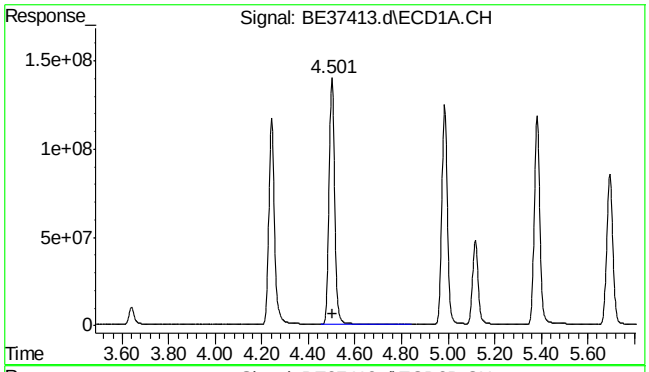


#2 Hexachlorobenzene

R.T.: 4.319 min
Delta R.T.: -0.008 min
Response: 1177131479
Conc: 243.78 ppb

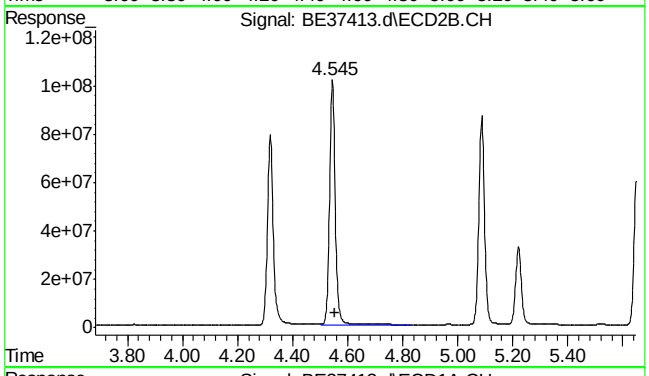
9.6.4

9



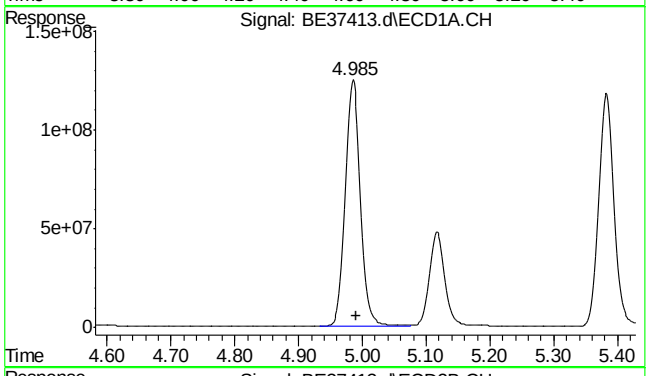
#3 Alpha-BHC

R.T.: 4.501 min
Delta R.T.: -0.005 min
Response: 2343511343
Conc: 210.59 ppb



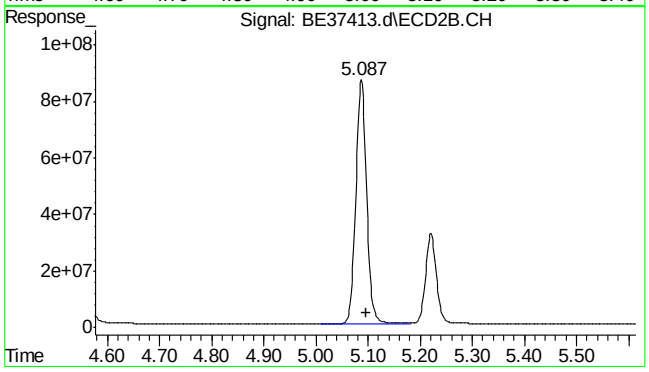
#3 Alpha-BHC

R.T.: 4.545 min
Delta R.T.: -0.008 min
Response: 1463014011
Conc: 256.31 ppb



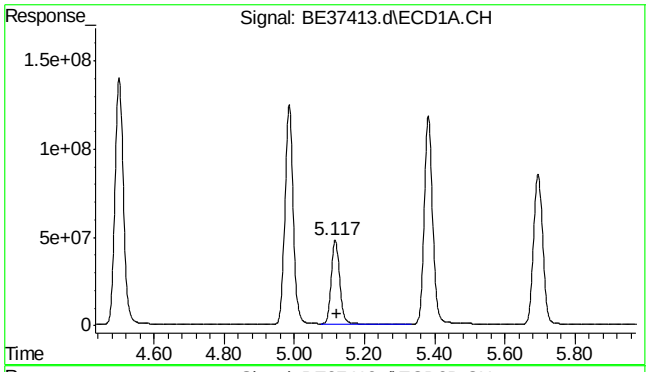
#4 Gamma-BHC

R.T.: 4.986 min
Delta R.T.: -0.005 min
Response: 2064356422
Conc: 210.65 ppb



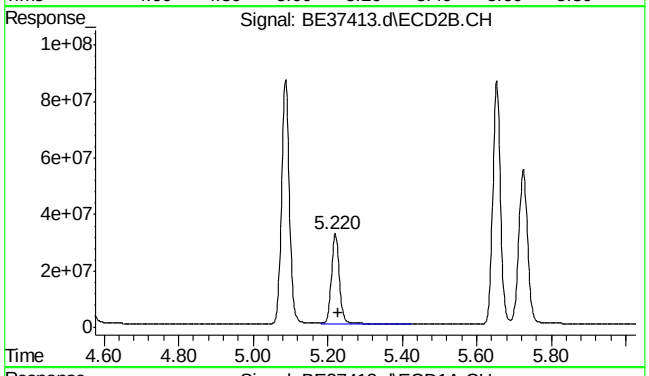
#4 Gamma-BHC

R.T.: 5.088 min
Delta R.T.: -0.008 min
Response: 1261041260
Conc: 254.69 ppb



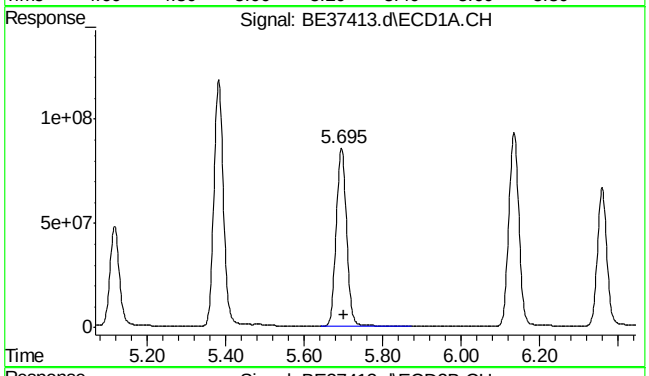
#5 Beta-BHC

R.T.: 5.117 min
Delta R.T.: -0.005 min
Response: 818318949
Conc: 212.32 ppb



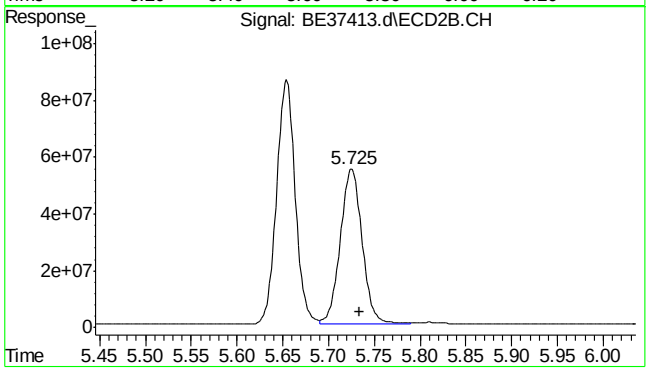
#5 Beta-BHC

R.T.: 5.221 min
Delta R.T.: -0.009 min
Response: 481334663
Conc: 254.64 ppb



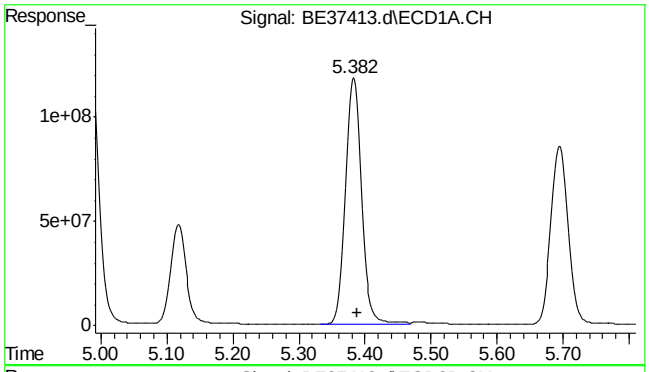
#6 Heptachlor

R.T.: 5.696 min
Delta R.T.: -0.005 min
Response: 1570404064
Conc: 192.29 ppb



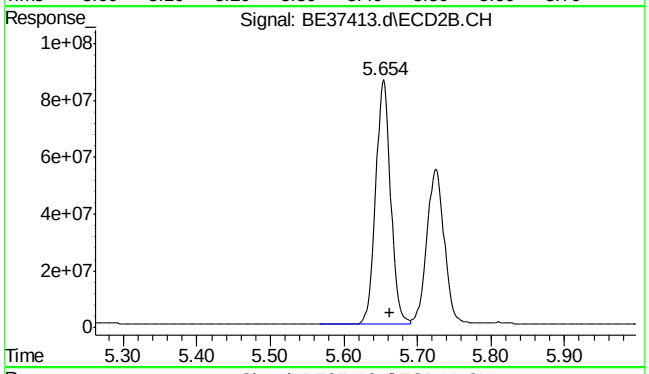
#6 Heptachlor

R.T.: 5.725 min
Delta R.T.: -0.009 min
Response: 904694320
Conc: 221.46 ppb



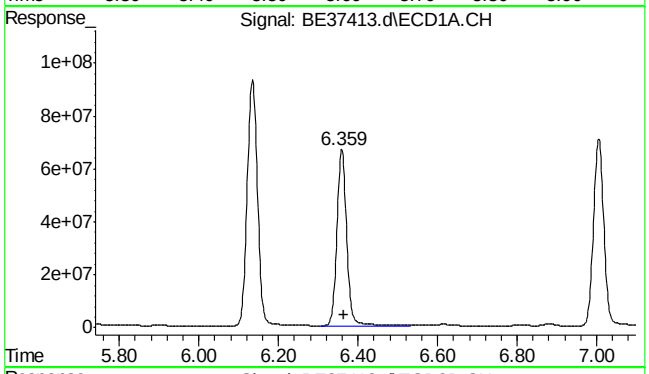
#7 Delta-BHC

R.T.: 5.383 min
Delta R.T.: -0.005 min
Response: 1996594845
Conc: 216.26 ppb



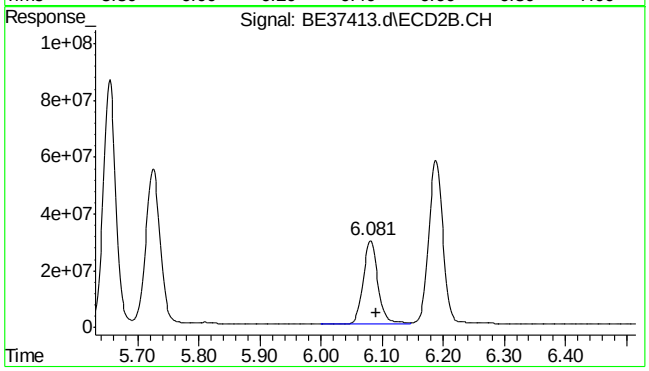
#7 Delta-BHC

R.T.: 5.654 min
Delta R.T.: -0.009 min
Response: 1214965910
Conc: 263.91 ppb



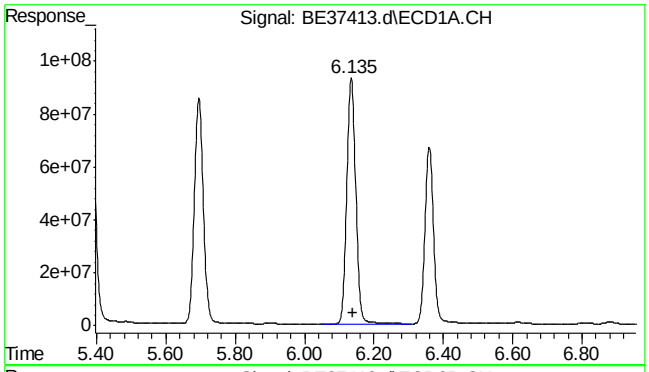
#8 Alachlor

R.T.: 6.360 min
Delta R.T.: -0.005 min
Response: 1135613074
Conc: 1631.53 ppb



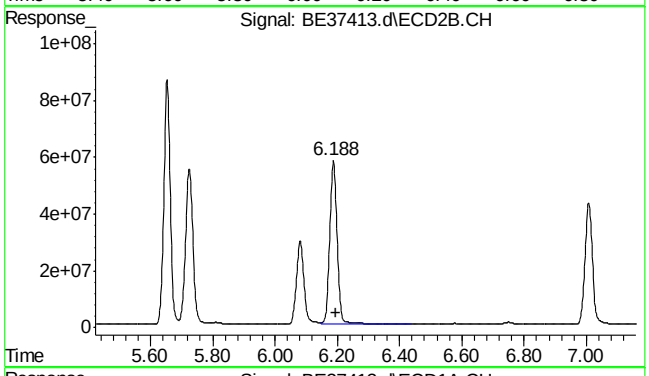
#8 Alachlor

R.T.: 6.081 min
Delta R.T.: -0.009 min
Response: 493449294
Conc: 1384.82 ppb



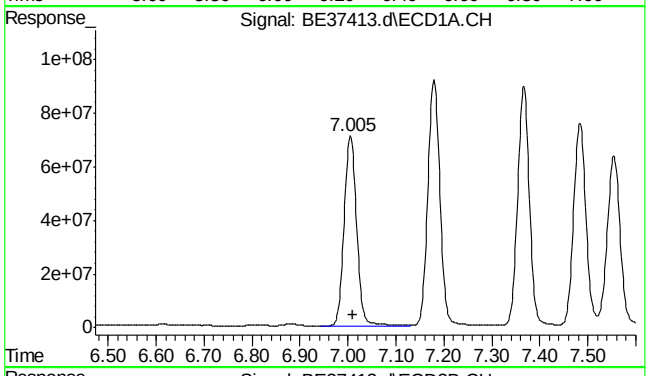
#9 Aldrin

R.T.: 6.135 min
Delta R.T.: -0.005 min
Response: 1675425921
Conc: 188.89 ppb



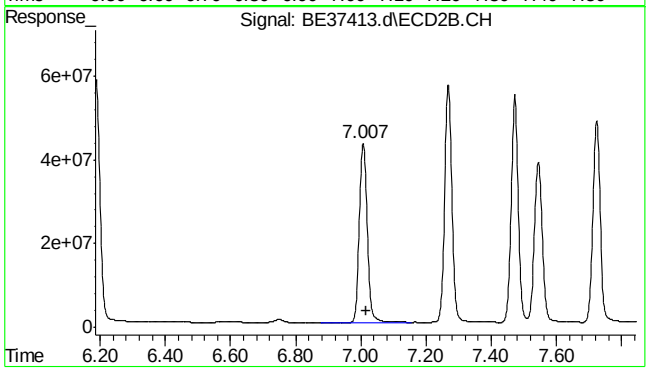
#9 Aldrin

R.T.: 6.188 min
Delta R.T.: -0.009 min
Response: 952500197
Conc: 213.10 ppb



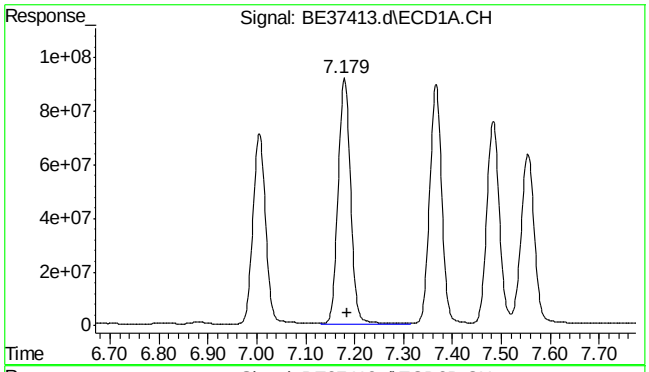
#10 Heptachlor Epoxide

R.T.: 7.005 min
Delta R.T.: -0.005 min
Response: 1283272556
Conc: 178.66 ppb



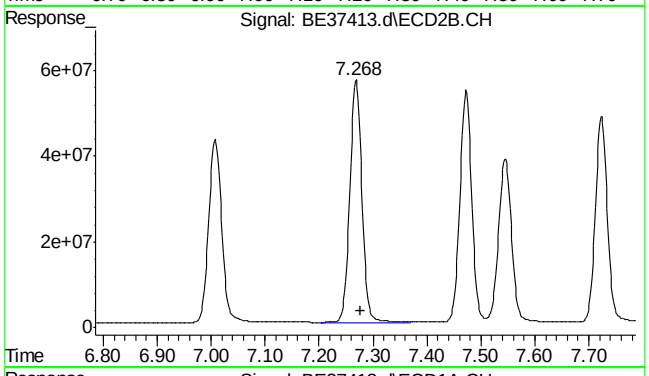
#10 Heptachlor Epoxide

R.T.: 7.008 min
Delta R.T.: -0.009 min
Response: 717256545
Conc: 261.68 ppb



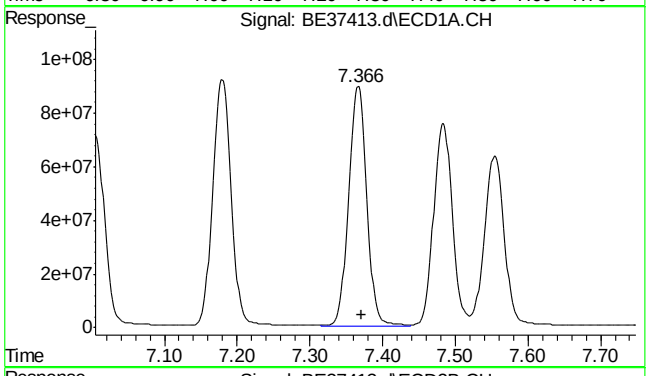
#11 Gamma-Chlordane

R.T.: 7.180 min
Delta R.T.: -0.005 min
Response: 1624290657
Conc: 195.71 ppb



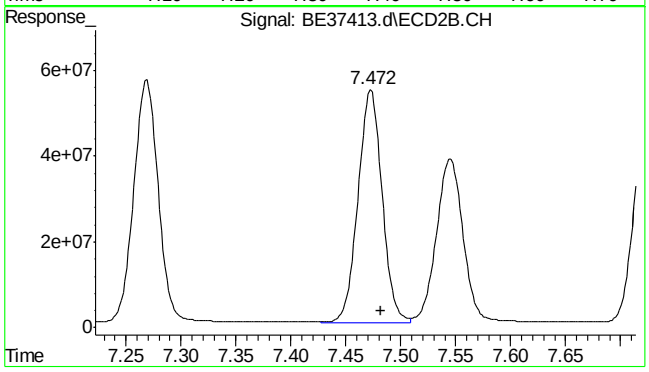
#11 Gamma-Chlordane

R.T.: 7.269 min
Delta R.T.: -0.009 min
Response: 883853562
Conc: 218.95 ppb



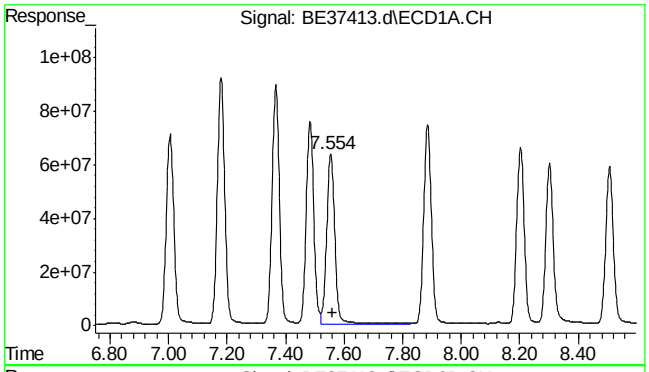
#12 Alpha-Chlordane

R.T.: 7.367 min
Delta R.T.: -0.005 min
Response: 1532066072
Conc: 273.57 ppb



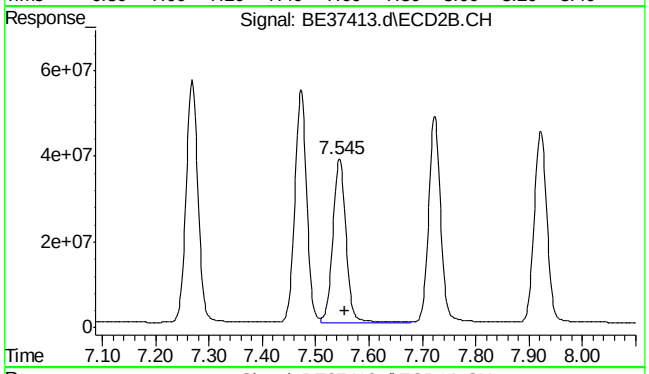
#12 Alpha-Chlordane

R.T.: 7.473 min
Delta R.T.: -0.009 min
Response: 825947244
Conc: 214.26 ppb



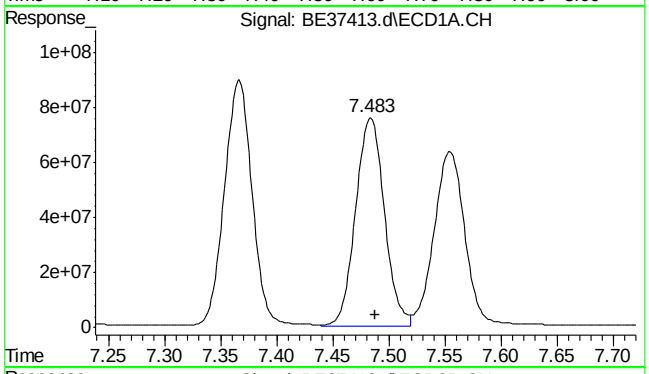
#13 Endosulfan-I

R.T.: 7.555 min
Delta R.T.: -0.005 min
Response: 1229186647
Conc: 174.68 ppb



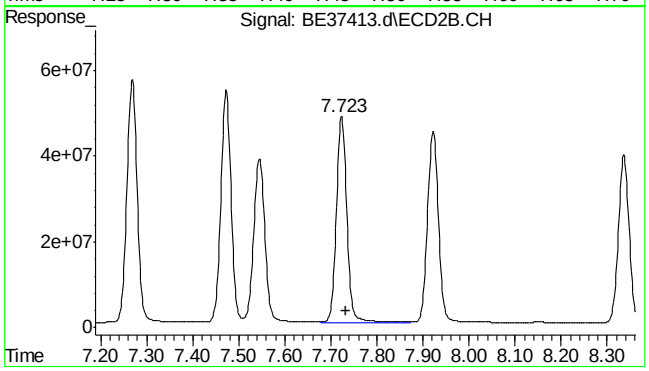
#13 Endosulfan-I

R.T.: 7.545 min
Delta R.T.: -0.009 min
Response: 650598749
Conc: 187.65 ppb



#14 4,4'-DDE

R.T.: 7.484 min
Delta R.T.: -0.004 min
Response: 1346422457
Conc: 231.75 ppb

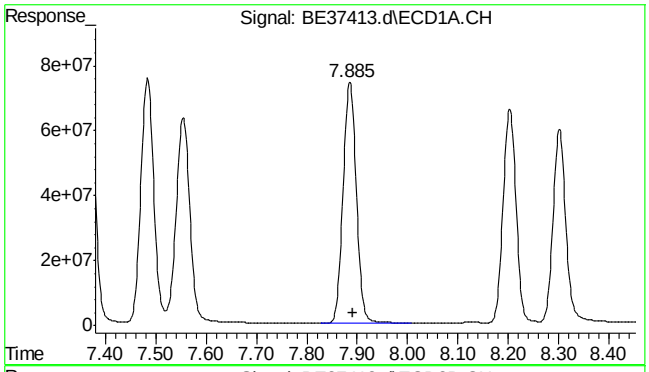


#14 4,4'-DDE

R.T.: 7.724 min
Delta R.T.: -0.009 min
Response: 758595990
Conc: 225.53 ppb

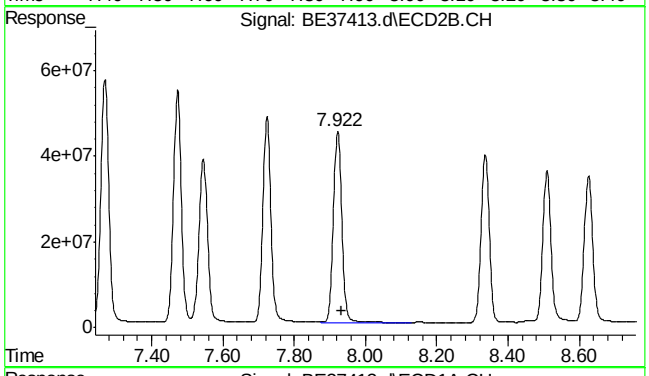
9.6.4

9



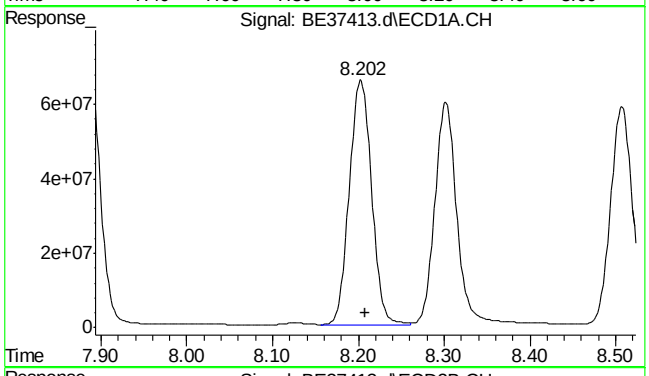
#15 Dieldrin

R.T.: 7.886 min
Delta R.T.: -0.005 min
Response: 1361747368
Conc: 210.62 ppb



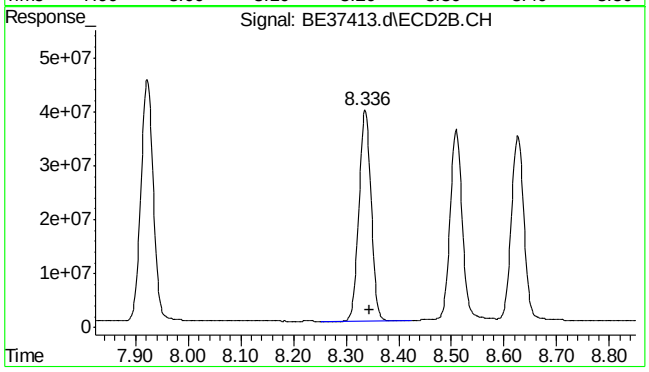
#15 Dieldrin

R.T.: 7.922 min
Delta R.T.: -0.009 min
Response: 742961823
Conc: 194.55 ppb



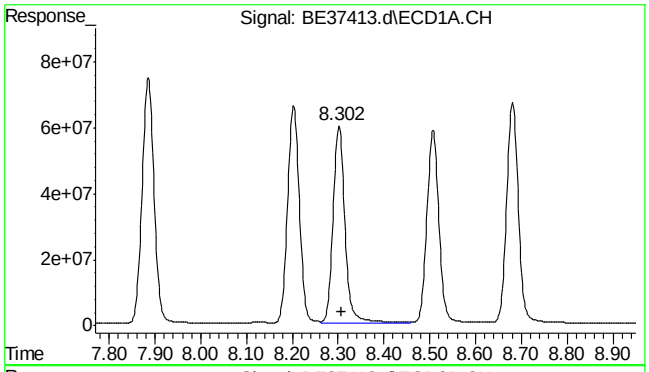
#16 Endrin

R.T.: 8.203 min
Delta R.T.: -0.005 min
Response: 1189031595
Conc: 208.29 ppb



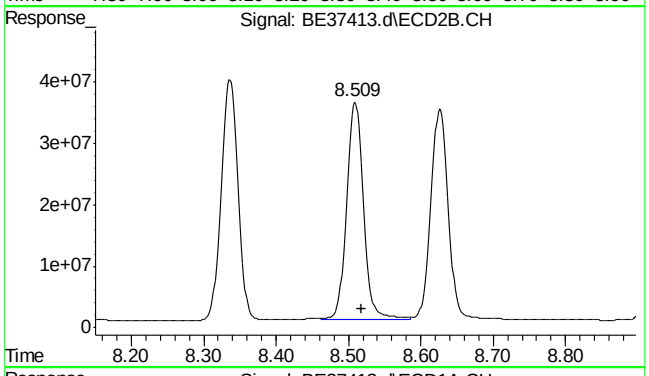
#16 Endrin

R.T.: 8.337 min
Delta R.T.: -0.009 min
Response: 628226928
Conc: 209.74 ppb



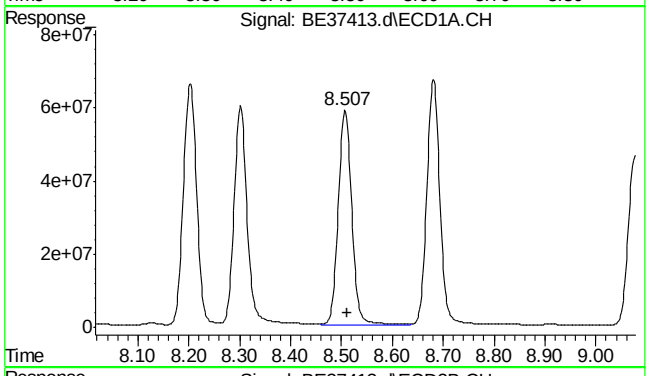
#17 4,4'-DDD

R.T.: 8.302 min
Delta R.T.: -0.004 min
Response: 1083940475
Conc: 221.89 ppb



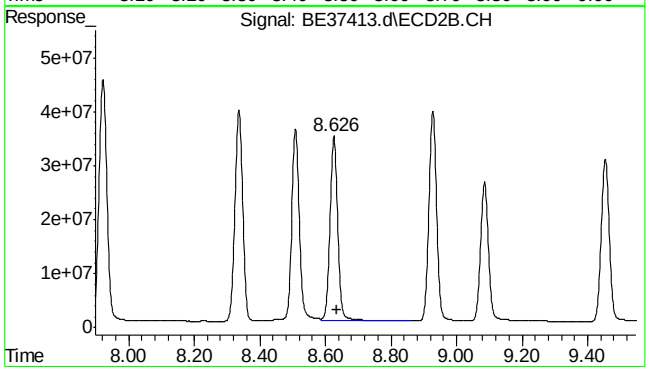
#17 4,4'-DDD

R.T.: 8.509 min
Delta R.T.: -0.009 min
Response: 578524334
Conc: 219.31 ppb m



#18 Endosulfan-II

R.T.: 8.508 min
Delta R.T.: -0.005 min
Response: 1073175313
Conc: 194.43 ppb

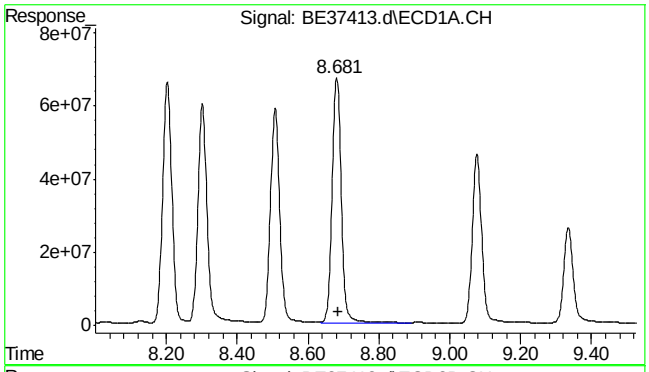


#18 Endosulfan-II

R.T.: 8.627 min
Delta R.T.: -0.009 min
Response: 588707269
Conc: 188.49 ppb

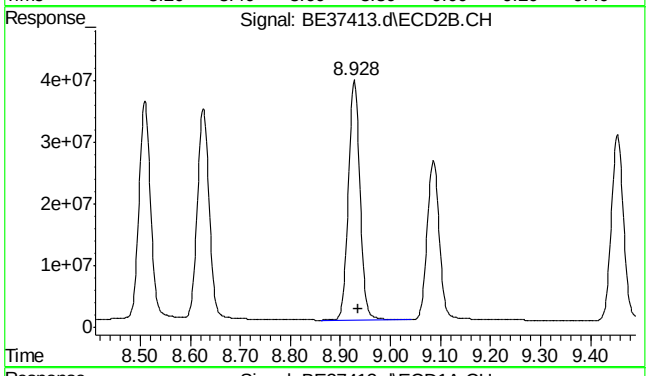
9.6.4

6



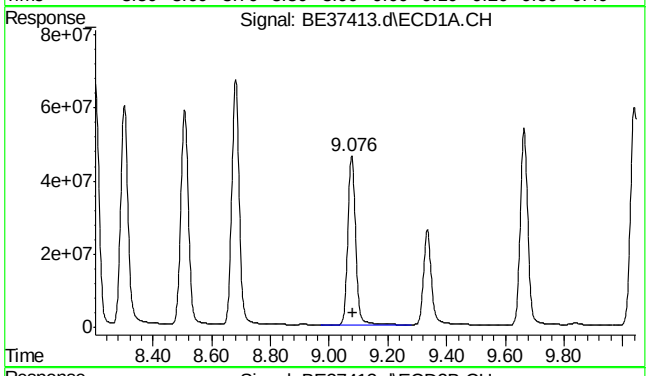
#19 4,4'-DDT

R.T.: 8.681 min
Delta R.T.: -0.003 min
Response: 1194905081
Conc: 233.44 ppb



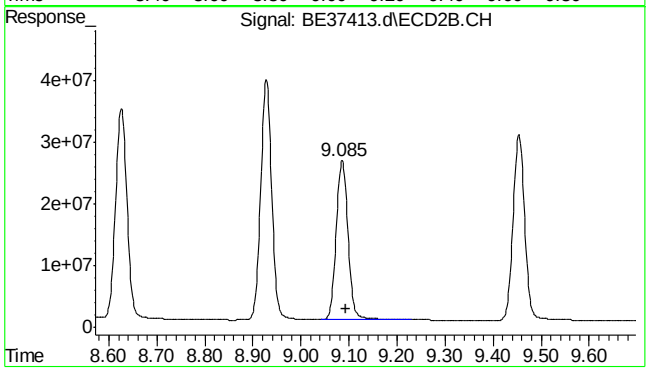
#19 4,4'-DDT

R.T.: 8.928 min
Delta R.T.: -0.008 min
Response: 621948836
Conc: 219.84 ppb



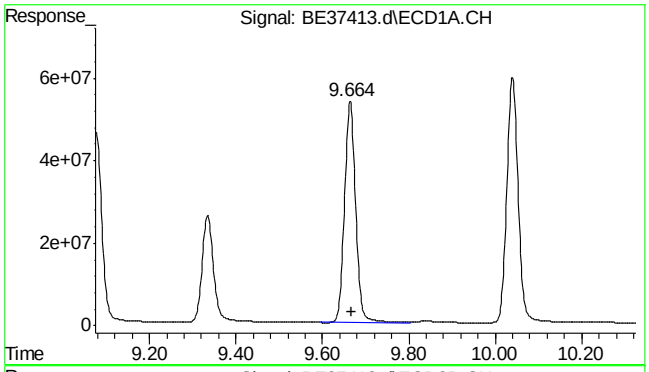
#20 Endrin Aldehyde

R.T.: 9.077 min
Delta R.T.: -0.005 min
Response: 856379094
Conc: 188.62 ppb



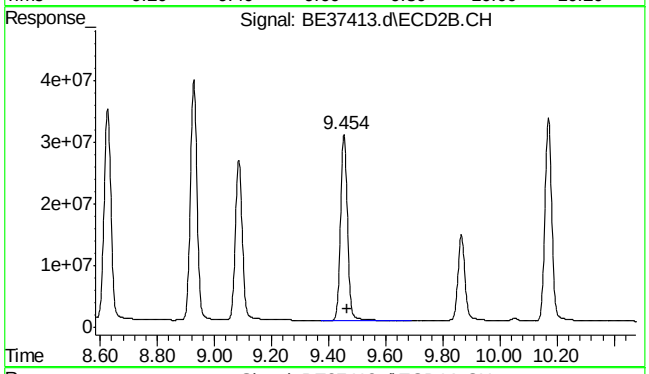
#20 Endrin Aldehyde

R.T.: 9.086 min
Delta R.T.: -0.009 min
Response: 445128825
Conc: 181.53 ppb



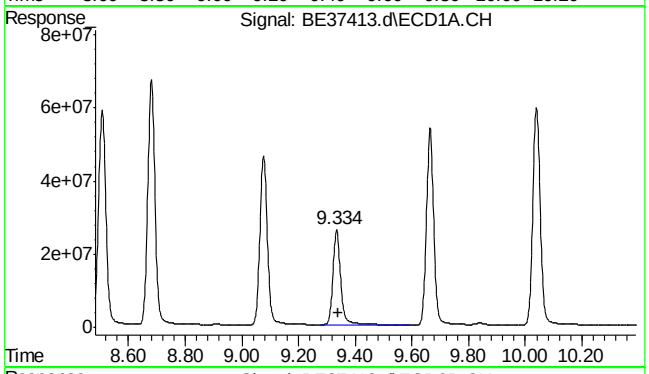
#21 Endosulfan Sulfate

R.T.: 9.665 min
Delta R.T.: -0.004 min
Response: 958764287
Conc: 189.35 ppb



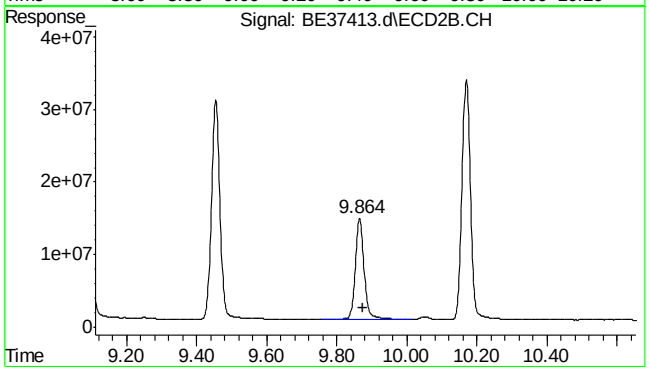
#21 Endosulfan Sulfate

R.T.: 9.454 min
Delta R.T.: -0.009 min
Response: 511252954
Conc: 175.63 ppb



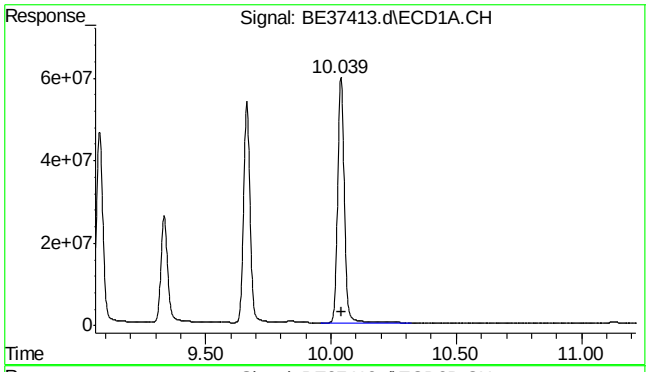
#22 Methoxychlor

R.T.: 9.335 min
Delta R.T.: -0.003 min
Response: 495259658
Conc: 251.94 ppb



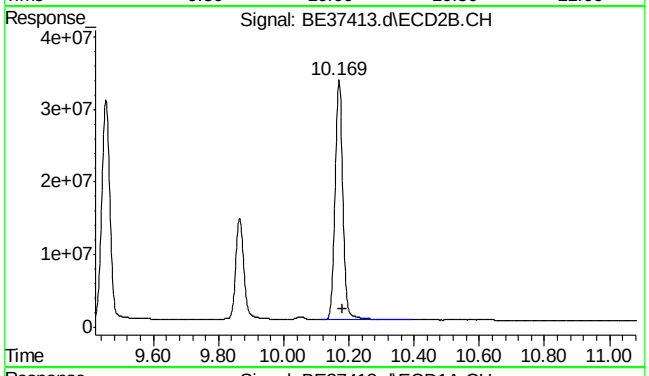
#22 Methoxychlor

R.T.: 9.865 min
Delta R.T.: -0.008 min
Response: 244652206
Conc: 310.13 ppb



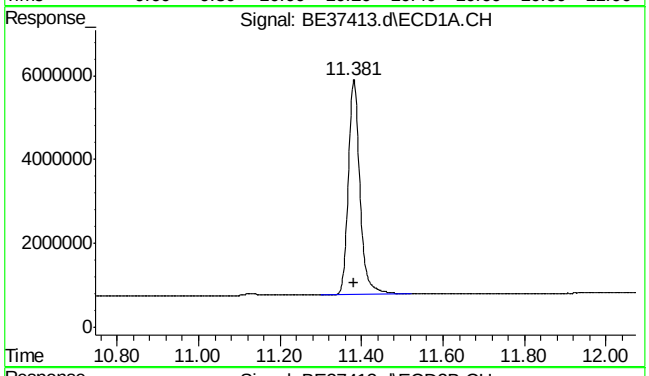
#23 Endrin Ketone

R.T.: 10.040 min
Delta R.T.: -0.004 min
Response: 1095033504
Conc: 178.70 ppb



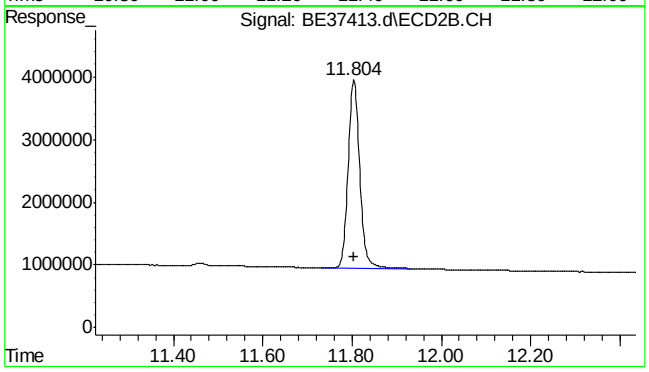
#23 Endrin Ketone

R.T.: 10.170 min
Delta R.T.: -0.009 min
Response: 559804900
Conc: 164.80 ppb



#38 DCB

R.T.: 11.382 min
Delta R.T.: 0.000 min
Response: 100361551
Conc: 27.02 ppb



#38 DCB

R.T.: 11.804 min
Delta R.T.: 0.000 min
Response: 53815756
Conc: 27.53 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37414.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 15:37:49
Operator : andrip
Sample : ic1943-250,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 80 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 16:01:45 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 16:00:57 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
1)	s TCMX	3.638	3.596	134.4E6	85641404	29.015m	31.167	
	Spiked Amount 40.000			Recovery =		72.54%	77.92%	
38)	s DCB	11.382	11.804	89033521	47656164	25.880m	26.223m	
	Spiked Amount 40.000			Recovery =		64.70%	65.56%	
	Target Compounds							
2)	Hexachlor...	4.241	4.318	1005.2E6	587.8E6	116.124	130.334	
3)	Alpha-BHC	4.500	4.544	1171.6E6	708.7E6	114.922	133.165	
4)	Gamma-BHC	4.984	5.086	1033.4E6	625.9E6	115.200	135.301	
5)	Beta-BHC	5.116	5.220	408.9E6	245.6E6	116.141	137.870	
6)	Heptachlor	5.694	5.725	853.5E6	489.0E6	111.985	125.956	
7)	Delta-BHC	5.381	5.653	1004.2E6	601.0E6	119.171	139.403	
8)	Alachlor	6.359	6.081	580.6E6	282.4E6	896.456	833.689	
9)	Aldrin	6.134	6.188	886.7E6	504.7E6	107.676	119.685	
10)	Heptachlo...	7.005	7.007	693.6E6	393.4E6	103.760	152.773	#
11)	Gamma-Chl...	7.179	7.268	814.3E6	444.2E6	106.898	118.585	
12)	Alpha-Chl...	7.366	7.472	763.4E6	416.1E6	147.678	116.074	
13)	Endosulfan-I	7.554	7.545	654.1E6	358.6E6	101.052	109.813	
14)	4,4'-DDE	7.483	7.723	697.4E6	396.8E6	129.107	125.868	
15)	Dieldrin	7.885	7.922	709.2E6	401.9E6	118.983	111.585	
16)	Endrin	8.204	8.336	625.3E6	344.1E6	117.344	120.808	
17)	4,4'-DDD	8.302	8.508	558.2E6	305.4E6	124.090	123.433m	
18)	Endosulfa...	8.507	8.626	567.4E6	322.1E6	111.062	110.143	
19)	4,4'-DDT	8.681	8.928	606.2E6	322.3E6	129.732	121.888	
20)	Endrin Al...	9.078	9.086	442.9E6	246.8E6	105.892	106.692	
21)	Endosulfa...	9.664	9.454	493.2E6	280.6E6	105.936	102.595	
22)	Methoxychlor	9.335	9.865	253.8E6	134.8E6	139.181	180.959	#
23)	Endrin Ke...	10.041	10.170	558.6E6	305.4E6	99.369	95.824	

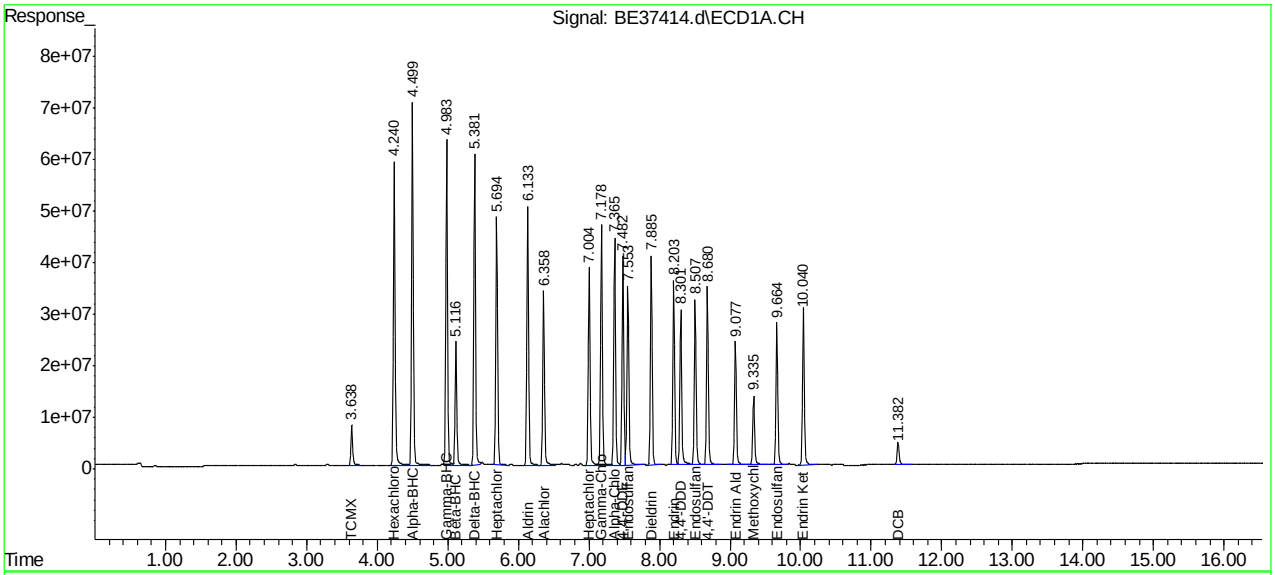
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

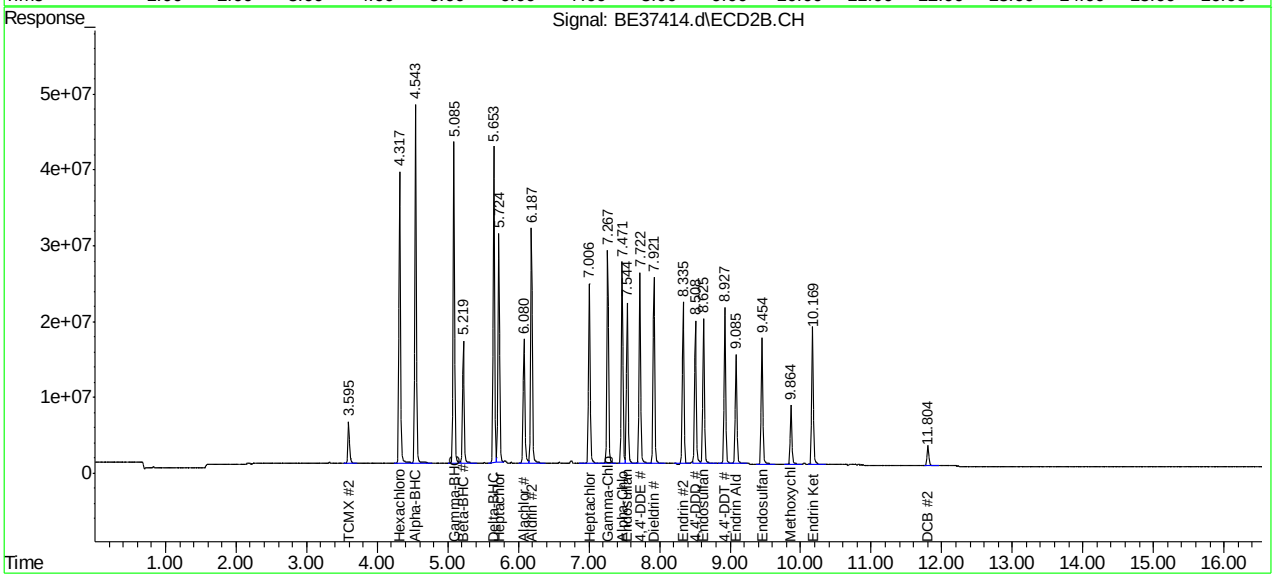
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37414.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 15:37:49
Operator : andrip
Sample : ic1943-250,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 80 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

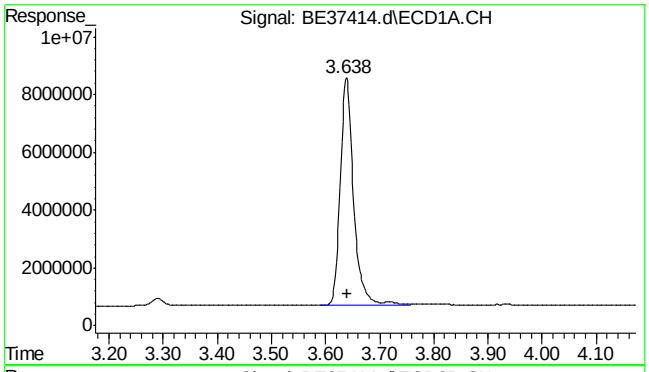
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 08 16:01:45 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Mon Jul 08 16:00:57 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



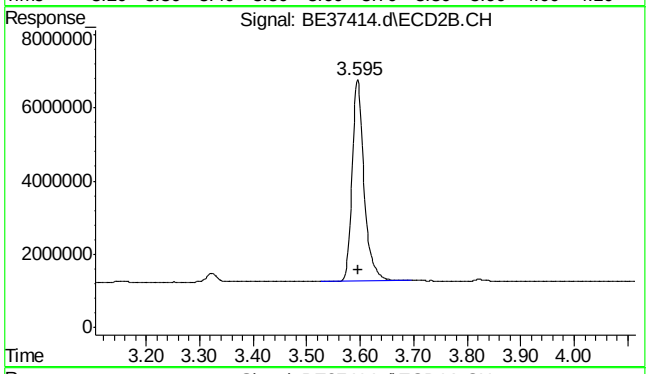


ACCUTEST LABORATORIES MC23456



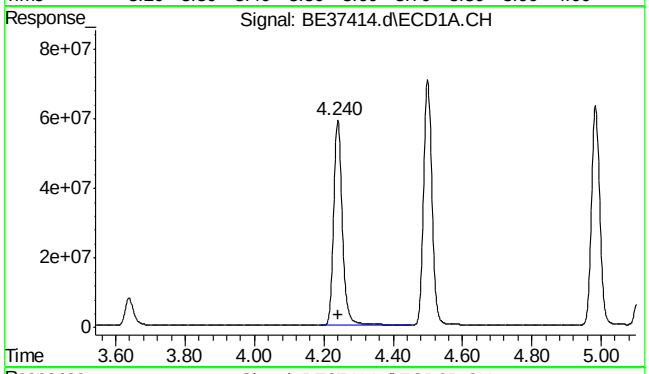
#1 TCMX

R.T.: 3.638 min
Delta R.T.: -0.002 min
Response: 134394882
Conc: 29.02 ppb m



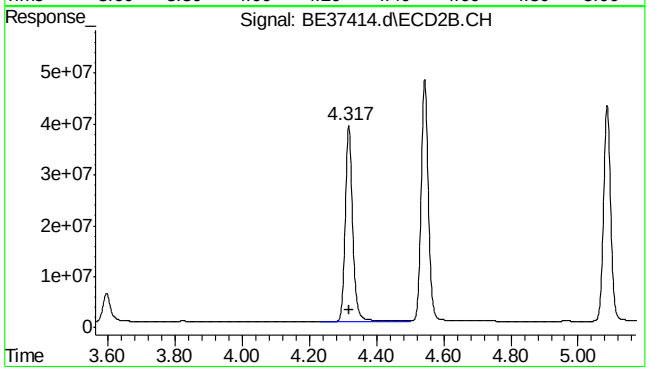
#1 TCMX

R.T.: 3.596 min
Delta R.T.: 0.000 min
Response: 85641404
Conc: 31.17 ppb



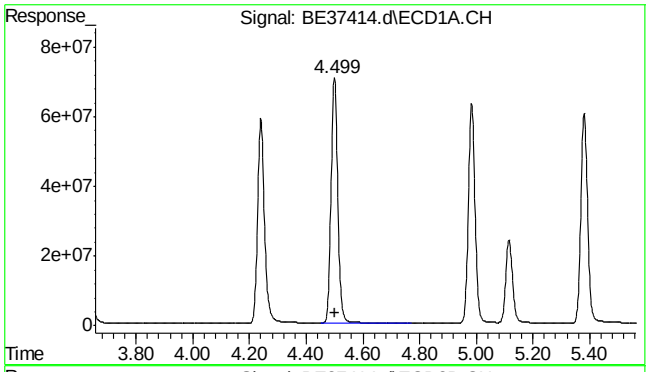
#2 Hexachlorobenzene

R.T.: 4.241 min
Delta R.T.: 0.000 min
Response: 1005152100
Conc: 116.12 ppb



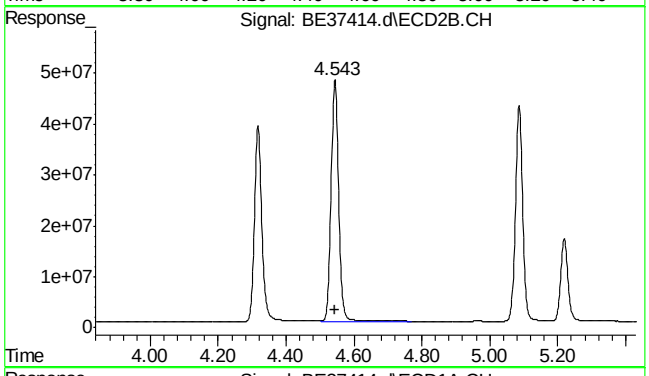
#2 Hexachlorobenzene

R.T.: 4.318 min
Delta R.T.: -0.001 min
Response: 587761625
Conc: 130.33 ppb



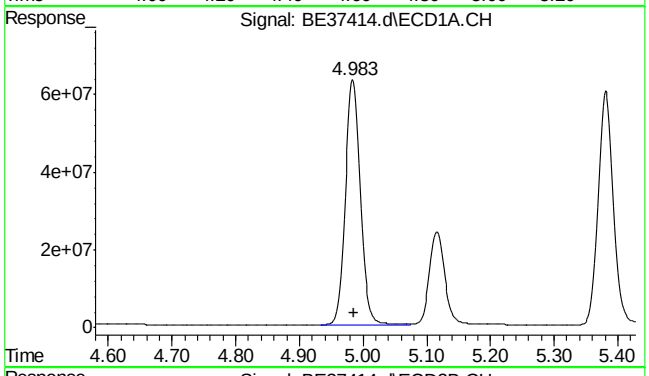
#3 Alpha-BHC

R.T.: 4.500 min
Delta R.T.: -0.001 min
Response: 1171614064
Conc: 114.92 ppb



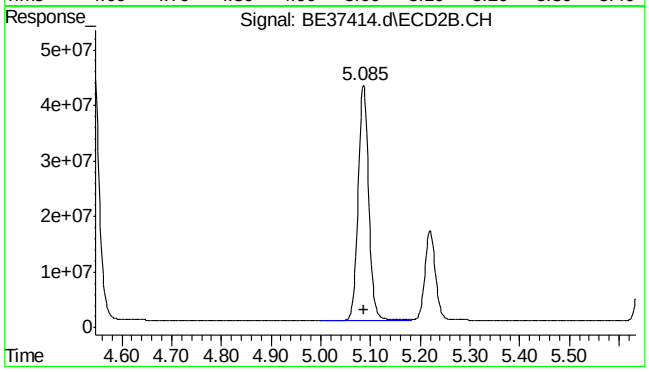
#3 Alpha-BHC

R.T.: 4.544 min
Delta R.T.: -0.002 min
Response: 708724804
Conc: 133.16 ppb



#4 Gamma-BHC

R.T.: 4.984 min
Delta R.T.: -0.002 min
Response: 1033374389
Conc: 115.20 ppb

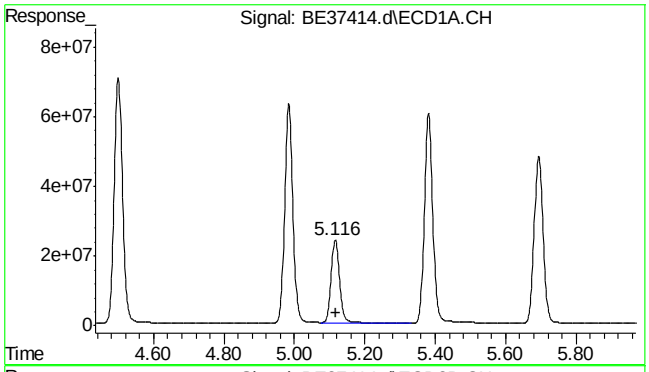


#4 Gamma-BHC

R.T.: 5.086 min
Delta R.T.: -0.001 min
Response: 625948567
Conc: 135.30 ppb

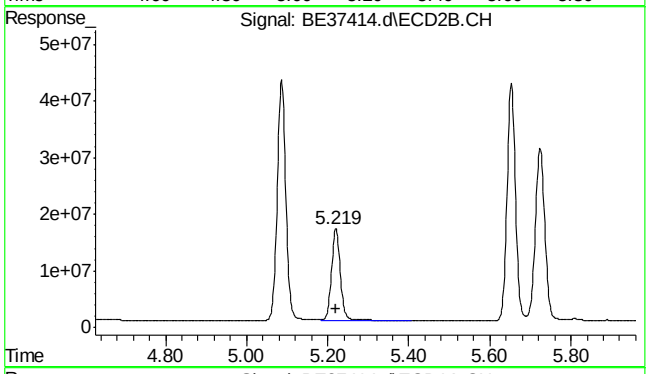
9.6.5

6



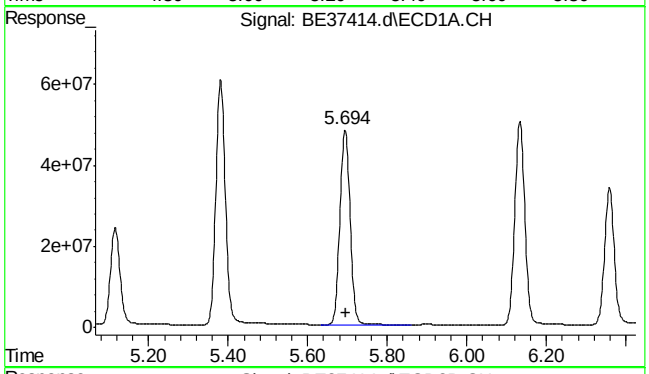
#5 Beta-BHC

R.T.: 5.116 min
Delta R.T.: -0.001 min
Response: 408902759
Conc: 116.14 ppb



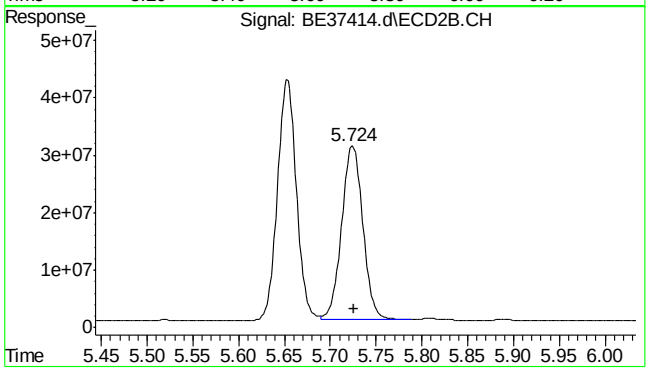
#5 Beta-BHC

R.T.: 5.220 min
Delta R.T.: 0.000 min
Response: 245633097
Conc: 137.87 ppb



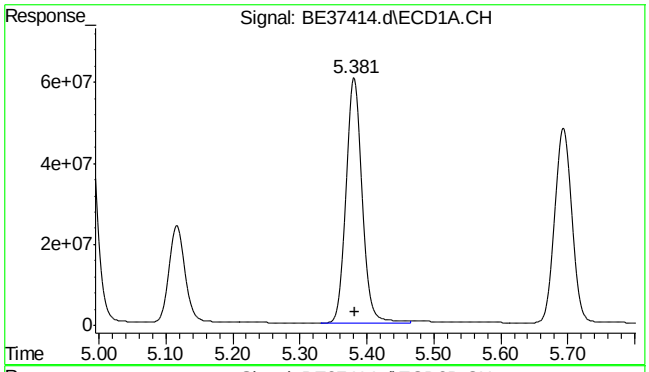
#6 Heptachlor

R.T.: 5.694 min
Delta R.T.: -0.001 min
Response: 853495129
Conc: 111.99 ppb



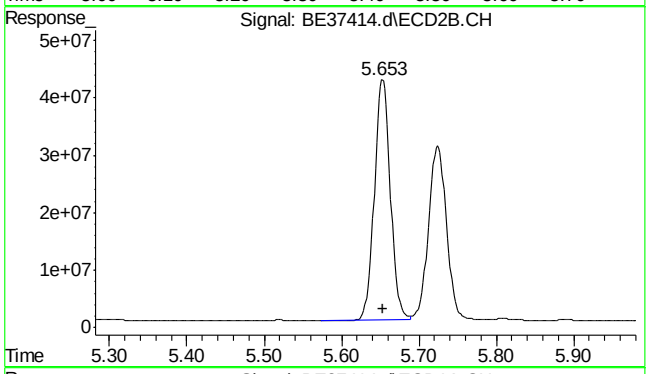
#6 Heptachlor

R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 488977324
Conc: 125.96 ppb



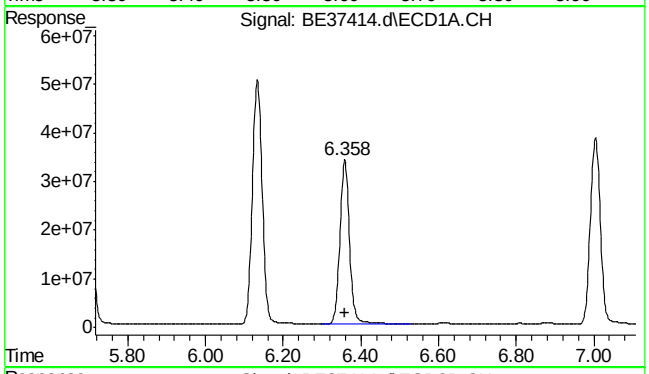
#7 Delta-BHC

R.T.: 5.381 min
Delta R.T.: -0.001 min
Response: 1004244341
Conc: 119.17 ppb



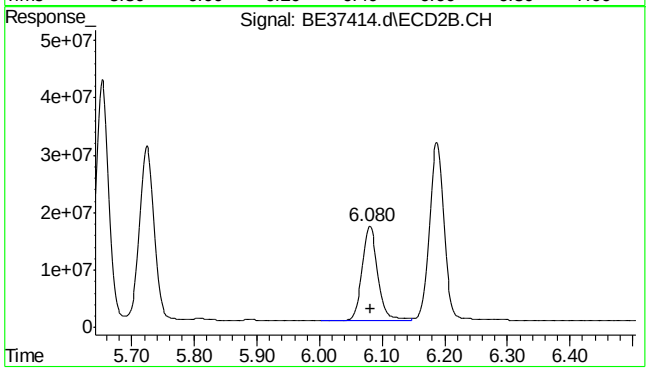
#7 Delta-BHC

R.T.: 5.653 min
Delta R.T.: 0.000 min
Response: 600983374
Conc: 139.40 ppb



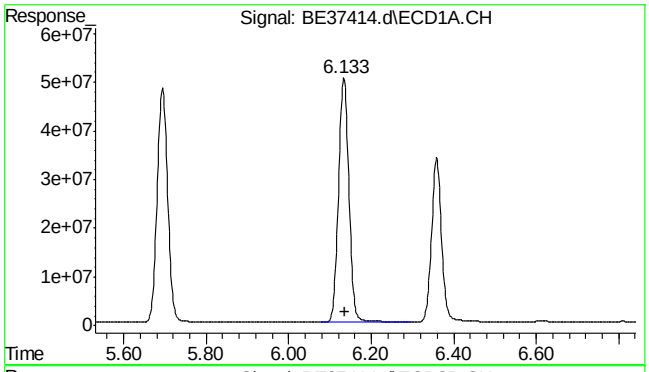
#8 Alachlor

R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 580627361
Conc: 896.46 ppb



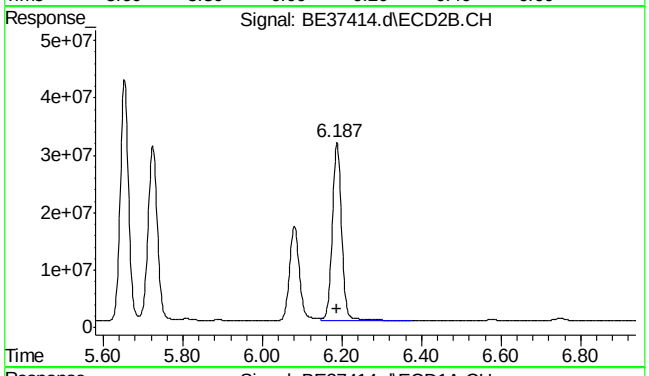
#8 Alachlor

R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 282433736
Conc: 833.69 ppb



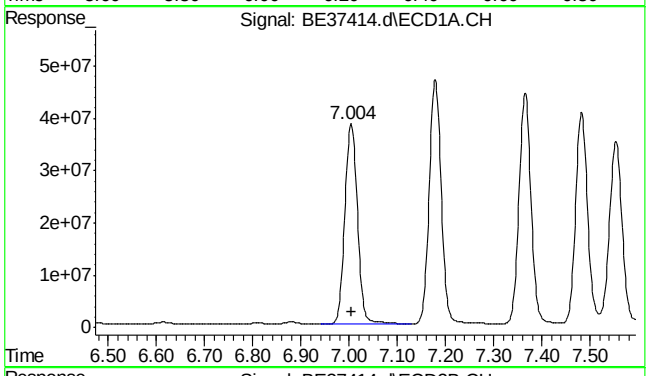
#9 Aldrin

R.T.: 6.134 min
Delta R.T.: -0.001 min
Response: 886678674
Conc: 107.68 ppb



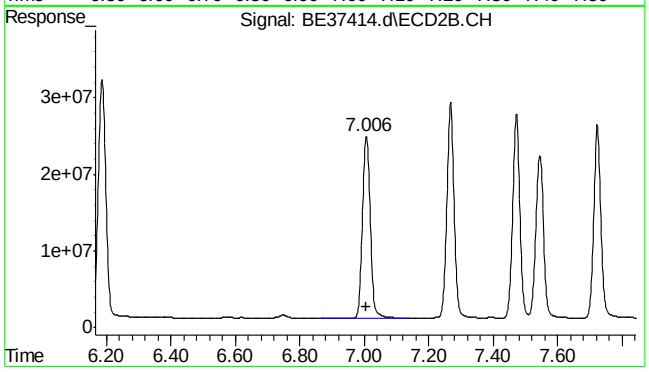
#9 Aldrin

R.T.: 6.188 min
Delta R.T.: 0.000 min
Response: 504730299
Conc: 119.68 ppb



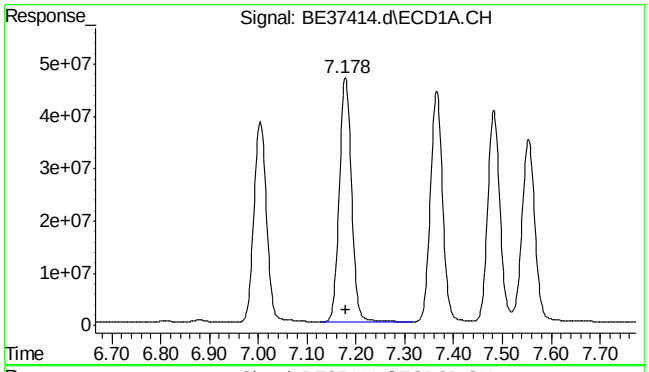
#10 Heptachlor Epoxide

R.T.: 7.005 min
Delta R.T.: 0.000 min
Response: 693595482
Conc: 103.76 ppb



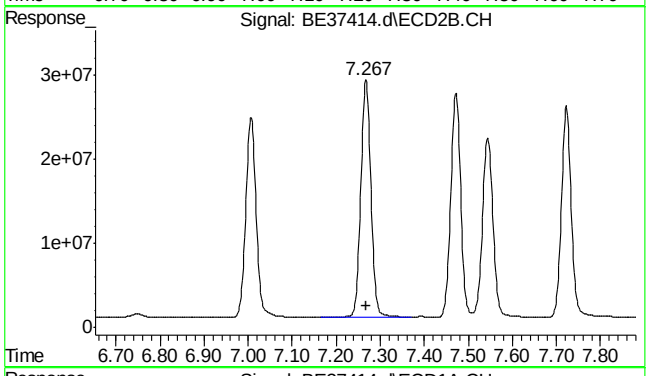
#10 Heptachlor Epoxide

R.T.: 7.007 min
Delta R.T.: 0.000 min
Response: 393435565
Conc: 152.77 ppb



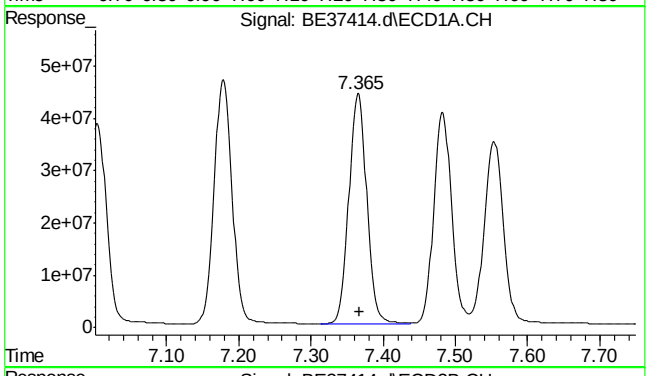
#11 Gamma-Chlordane

R.T.: 7.179 min
Delta R.T.: -0.001 min
Response: 814289930
Conc: 106.90 ppb



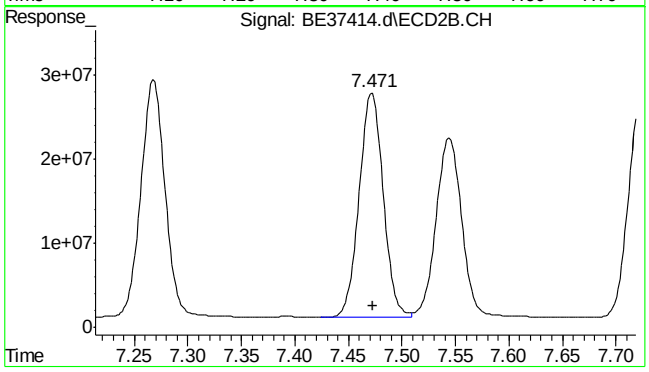
#11 Gamma-Chlordane

R.T.: 7.268 min
Delta R.T.: 0.000 min
Response: 444233606
Conc: 118.58 ppb



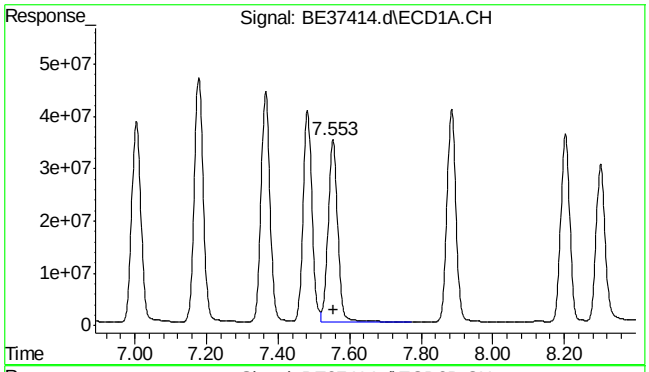
#12 Alpha-Chlordane

R.T.: 7.366 min
Delta R.T.: -0.001 min
Response: 763383610
Conc: 147.68 ppb



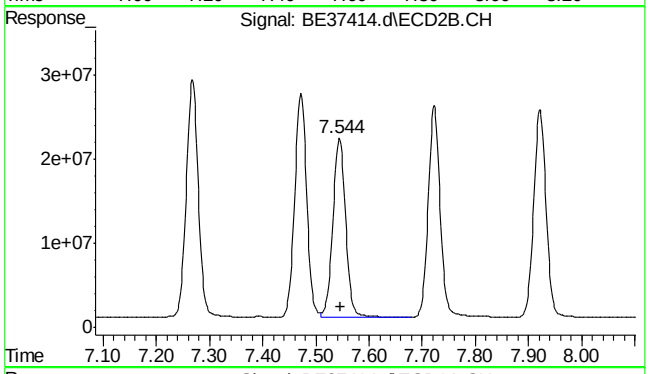
#12 Alpha-Chlordane

R.T.: 7.472 min
Delta R.T.: 0.000 min
Response: 416066973
Conc: 116.07 ppb



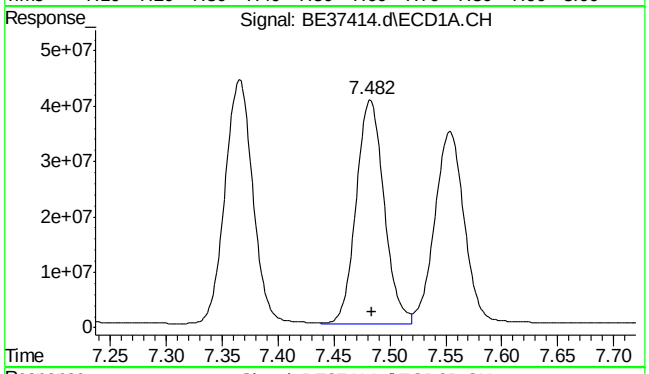
#13 Endosulfan-I

R.T.: 7.554 min
Delta R.T.: 0.000 min
Response: 654066546
Conc: 101.05 ppb



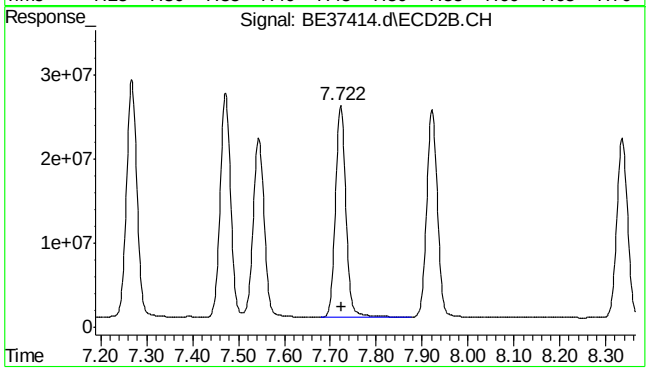
#13 Endosulfan-I

R.T.: 7.545 min
Delta R.T.: 0.000 min
Response: 358641859
Conc: 109.81 ppb



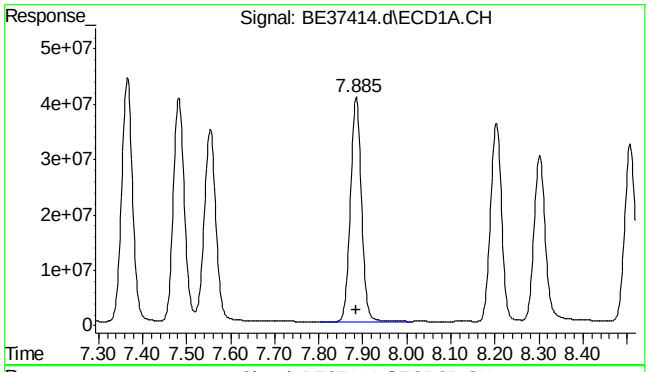
#14 4,4'-DDE

R.T.: 7.483 min
Delta R.T.: -0.001 min
Response: 697399102
Conc: 129.11 ppb



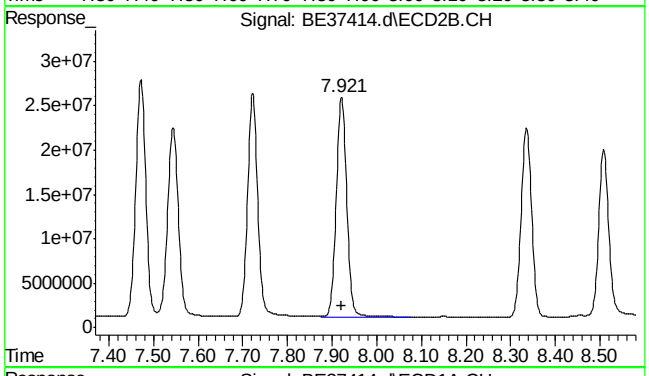
#14 4,4'-DDE

R.T.: 7.723 min
Delta R.T.: 0.000 min
Response: 396752152
Conc: 125.87 ppb



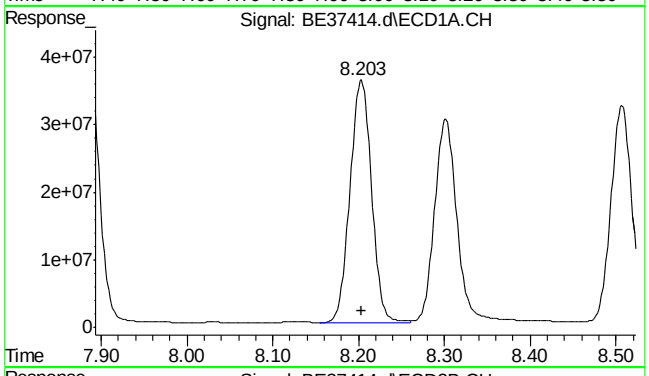
#15 Dieldrin

R.T.: 7.885 min
Delta R.T.: 0.000 min
Response: 709166261
Conc: 118.98 ppb



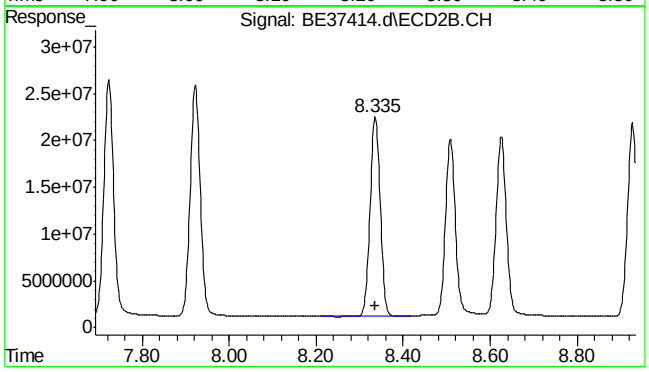
#15 Dieldrin

R.T.: 7.922 min
Delta R.T.: 0.000 min
Response: 401943272
Conc: 111.59 ppb



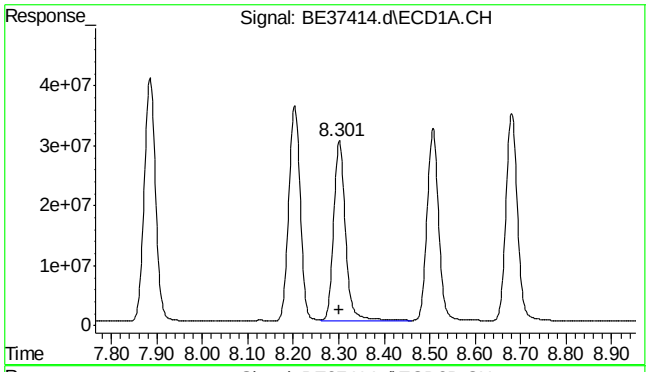
#16 Endrin

R.T.: 8.204 min
Delta R.T.: 0.000 min
Response: 625342842
Conc: 117.34 ppb



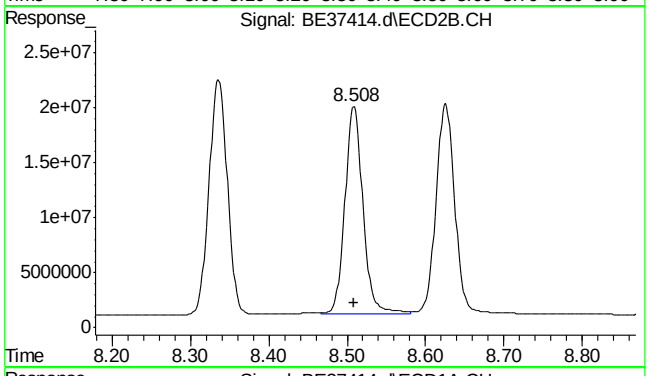
#16 Endrin

R.T.: 8.336 min
Delta R.T.: 0.000 min
Response: 344132641
Conc: 120.81 ppb



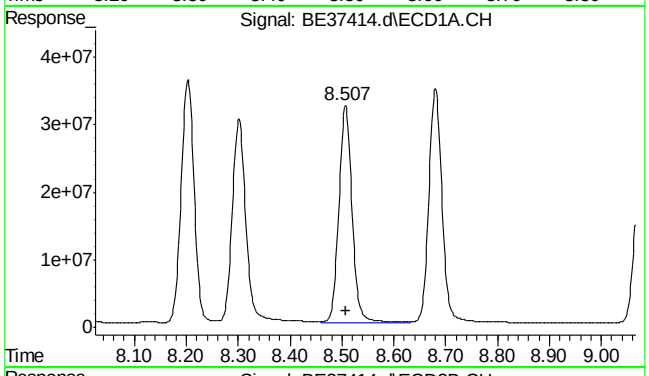
#17 4,4'-DDD

R.T.: 8.302 min
Delta R.T.: 0.000 min
Response: 558238941
Conc: 124.09 ppb



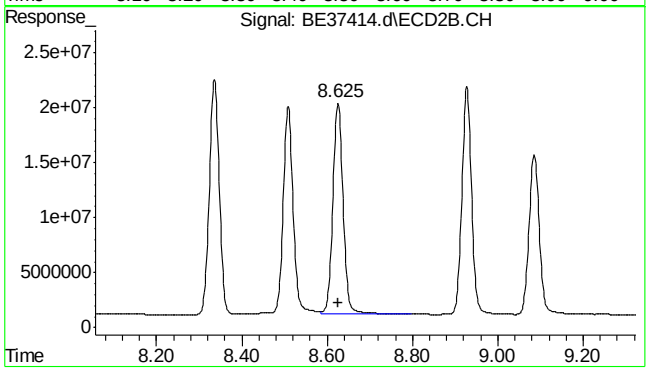
#17 4,4'-DDD

R.T.: 8.508 min
Delta R.T.: 0.000 min
Response: 305382072
Conc: 123.43 ppb m



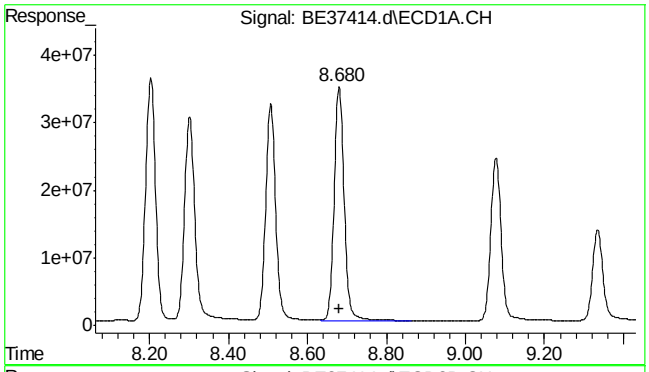
#18 Endosulfan-II

R.T.: 8.507 min
Delta R.T.: 0.000 min
Response: 567437242
Conc: 111.06 ppb



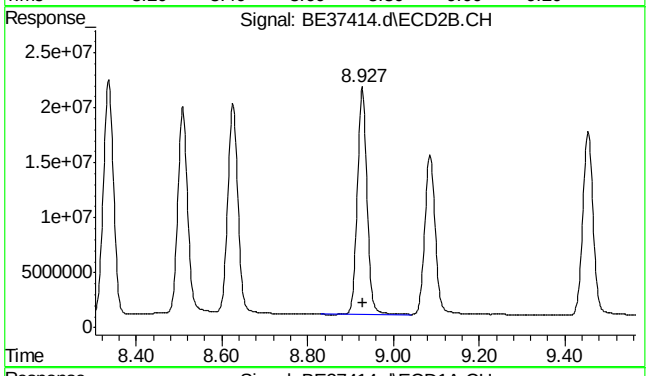
#18 Endosulfan-II

R.T.: 8.626 min
Delta R.T.: 0.000 min
Response: 322136442
Conc: 110.14 ppb



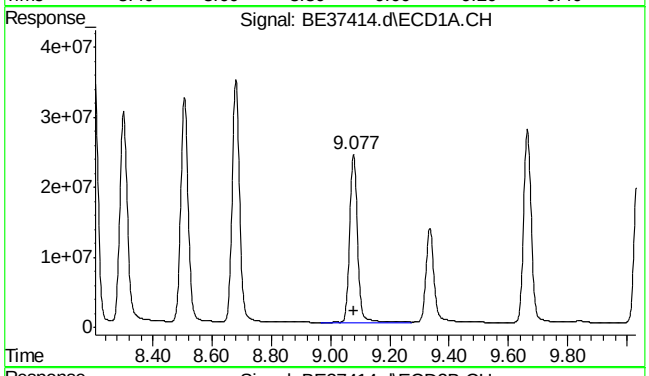
#19 4,4'-DDT

R.T.: 8.681 min
Delta R.T.: 0.000 min
Response: 606225477
Conc: 129.73 ppb



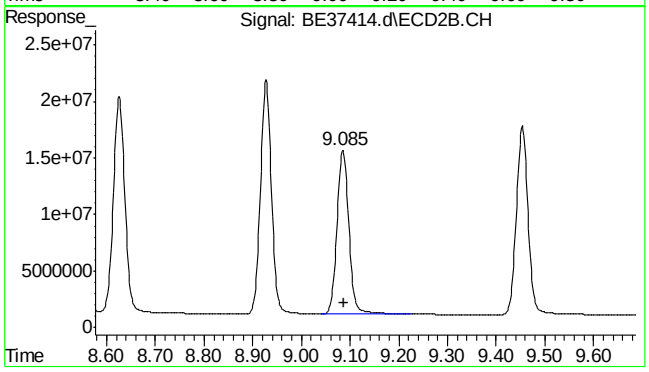
#19 4,4'-DDT

R.T.: 8.928 min
Delta R.T.: 0.000 min
Response: 322266300
Conc: 121.89 ppb



#20 Endrin Aldehyde

R.T.: 9.078 min
Delta R.T.: 0.000 min
Response: 442941181
Conc: 105.89 ppb

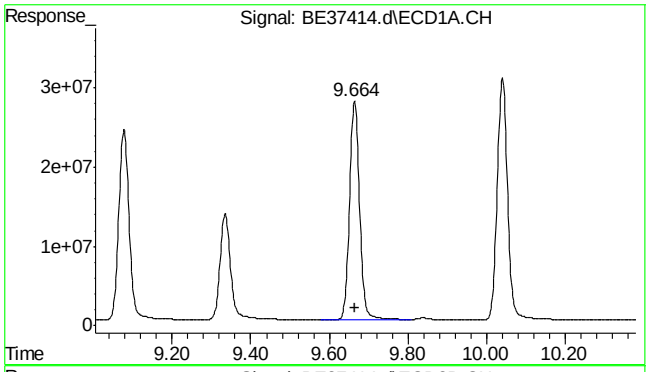


#20 Endrin Aldehyde

R.T.: 9.086 min
Delta R.T.: 0.000 min
Response: 246769968
Conc: 106.69 ppb

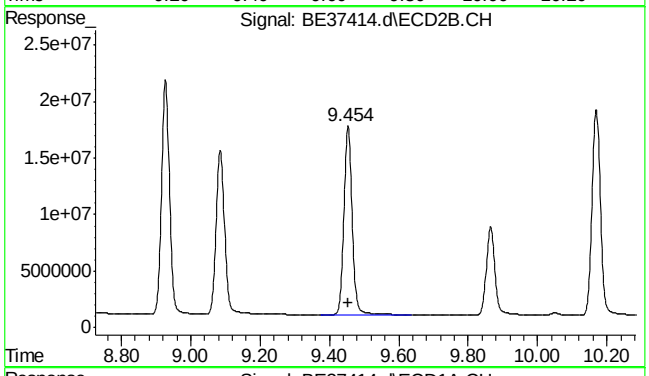
9.6.5

6



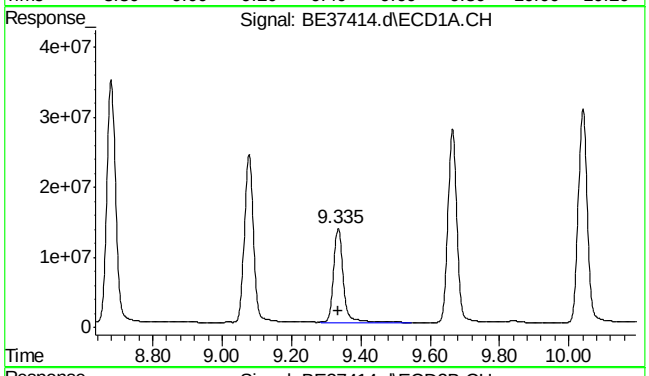
#21 Endosulfan Sulfate

R.T.: 9.664 min
Delta R.T.: 0.000 min
Response: 493204079
Conc: 105.94 ppb



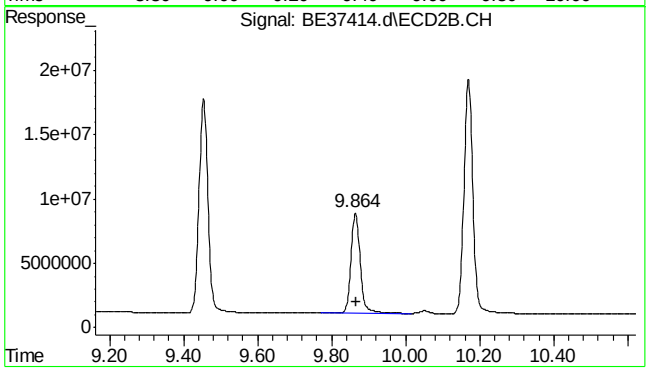
#21 Endosulfan Sulfate

R.T.: 9.454 min
Delta R.T.: 0.000 min
Response: 280625233
Conc: 102.59 ppb



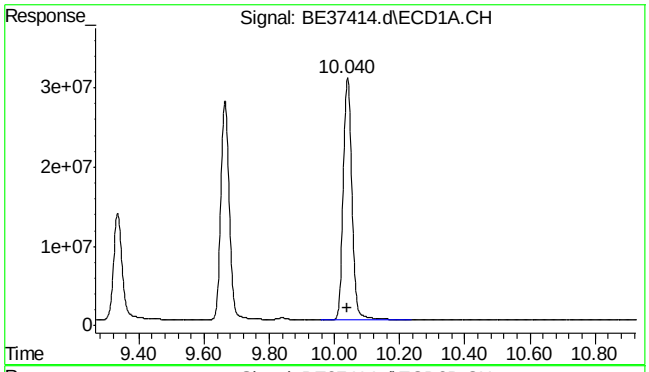
#22 Methoxychlor

R.T.: 9.335 min
Delta R.T.: 0.000 min
Response: 253765564
Conc: 139.18 ppb



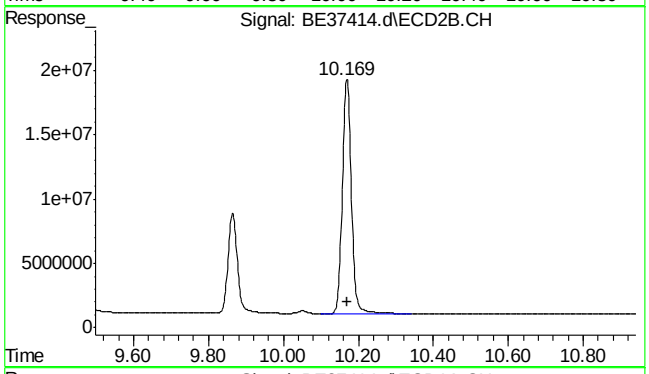
#22 Methoxychlor

R.T.: 9.865 min
Delta R.T.: 0.000 min
Response: 134781390
Conc: 180.96 ppb



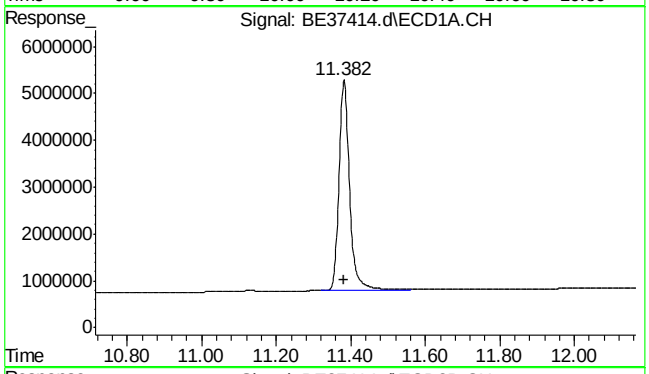
#23 Endrin Ketone

R.T.: 10.041 min
Delta R.T.: 0.000 min
Response: 558620389
Conc: 99.37 ppb



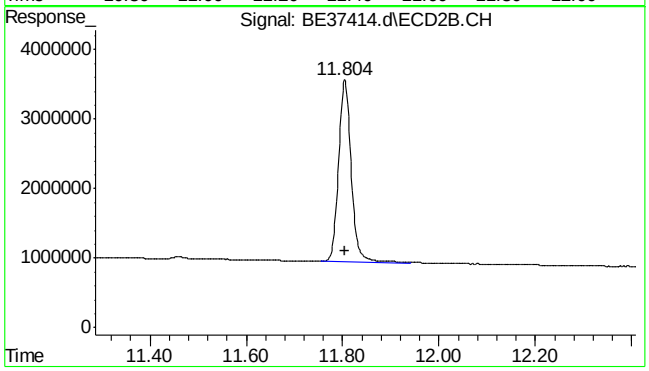
#23 Endrin Ketone

R.T.: 10.170 min
Delta R.T.: 0.000 min
Response: 305353858
Conc: 95.82 ppb



#38 DCB

R.T.: 11.382 min
Delta R.T.: 0.000 min
Response: 89033521
Conc: 25.88 ppb m



#38 DCB

R.T.: 11.804 min
Delta R.T.: 0.000 min
Response: 47656164
Conc: 26.22 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37415.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 15:59:13
Operator : andrip
Sample : icc1943-100,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 81 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:41:40 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:40:07 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
1) s	TCMX	3.638	3.596	145.6E6	93977235	34.528	36.361	
	Spiked Amount 40.000			Recovery =		86.32%	90.90%	
38) s	DCB	11.381	11.804	96322671	52565154	30.477	31.430m	
	Spiked Amount 40.000			Recovery =		76.19%	78.57%	
	Target Compounds							
2)	Hexachlor...	4.240	4.318	456.1E6	273.1E6	58.515	65.263	
3)	Alpha-BHC	4.499	4.543	523.3E6	321.4E6	57.672	65.715	
4)	Gamma-BHC	4.983	5.086	470.6E6	291.2E6	58.661	68.119	
5)	Beta-BHC	5.116	5.220	190.4E6	119.1E6	59.960	71.562	
6)	Heptachlor	5.694	5.724	417.0E6	243.8E6	59.818	66.862	
7)	Delta-BHC	5.381	5.653	456.1E6	282.8E6	60.187	70.444	
8)	Alachlor	6.358	6.081	279.4E6	157.5E6	470.828	494.774	
9)	Aldrin	6.134	6.187	418.5E6	245.0E6	56.314	62.803	
10)	Heptachlo...	7.004	7.007	345.9E6	195.6E6	56.816	81.722	#
11)	Gamma-Chl...	7.179	7.268	380.4E6	213.1E6	55.814	62.122	
12)	Alpha-Chl...	7.366	7.472	350.5E6	199.8E6	74.788	60.742	
13)	Endosulfan-I	7.553	7.545	320.6E6	183.0E6	55.152	60.454	
14)	4,4'-DDE	7.482	7.723	327.8E6	193.5E6	66.351	66.190	
15)	Dieldrin	7.884	7.922	343.0E6	201.2E6	64.502	60.449	
16)	Endrin	8.202	8.335	305.4E6	176.1E6	62.813	66.193m	
17)	4,4'-DDD	8.301	8.509	259.6E6	153.2E6	63.762	66.602	
18)	Endosulfa...	8.506	8.626	267.0E6	163.4E6	57.916	60.402	
19)	4,4'-DDT	8.680	8.927	286.4E6	157.7E6	68.563	64.740	
20)	Endrin Al...	9.077	9.085	217.1E6	129.5E6	57.671	60.269	
21)	Endosulfa...	9.663	9.453	240.9E6	144.2E6	57.686	57.154	
22)	Methoxychlor	9.334	9.864	126.6E6	71326589	76.281	101.519	#
23)	Endrin Ke...	10.039	10.169	270.6E6	156.2E6	53.900	53.377	

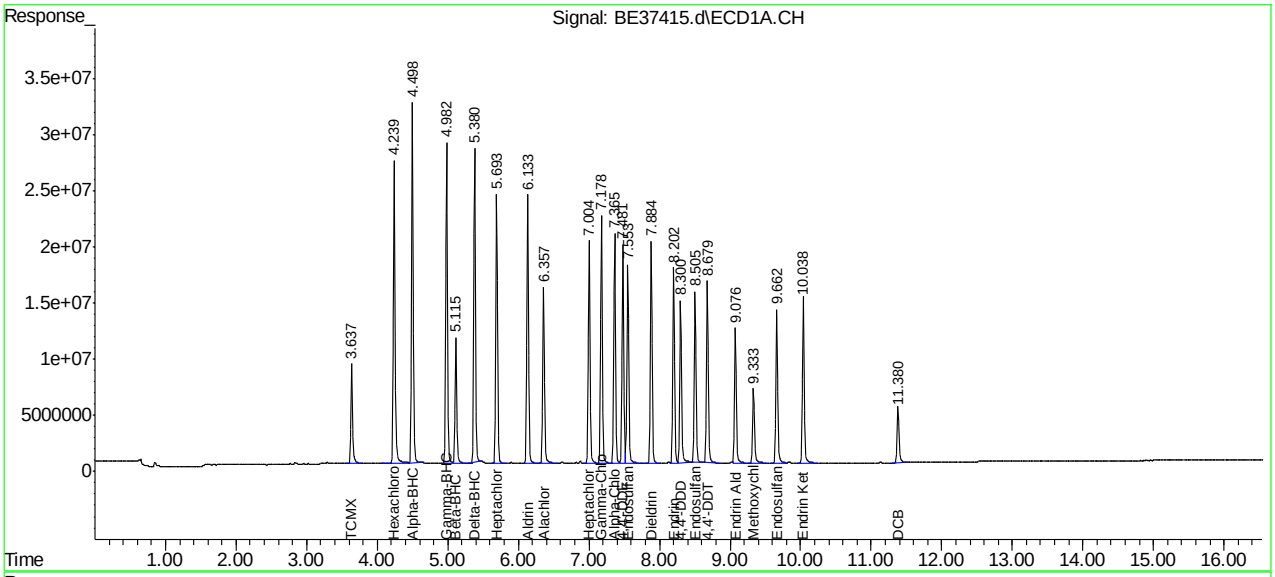
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

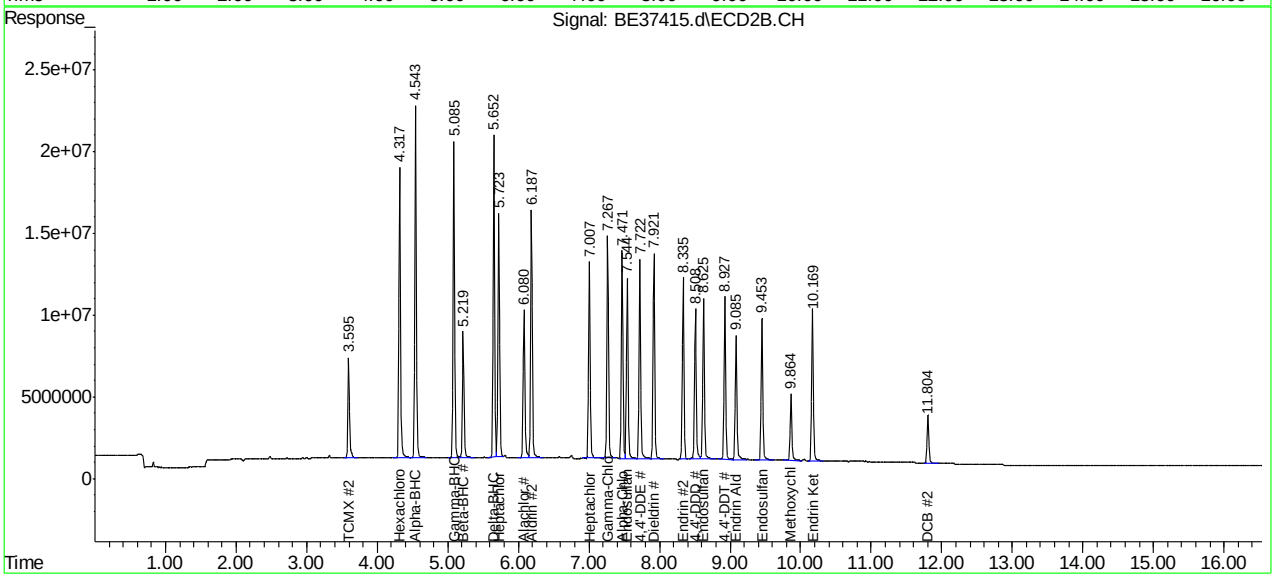
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37415.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 15:59:13
Operator : andrip
Sample : icc1943-100,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 81 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

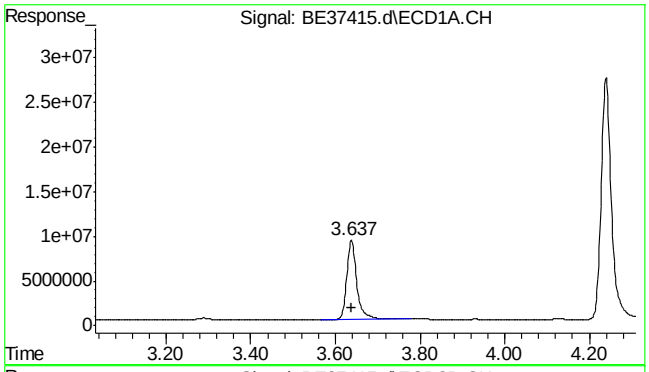
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:41:40 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:40:07 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



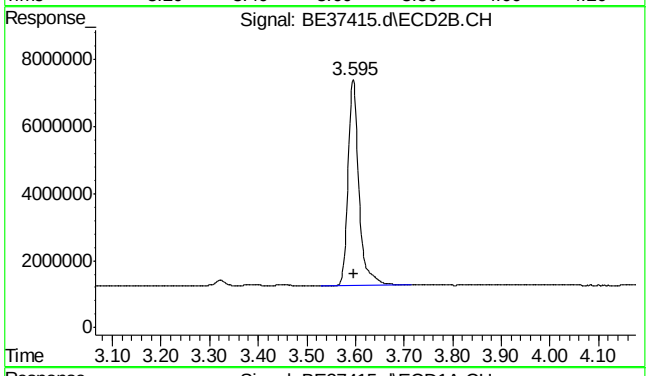


ACCUTEST LABORATORIES MC23456



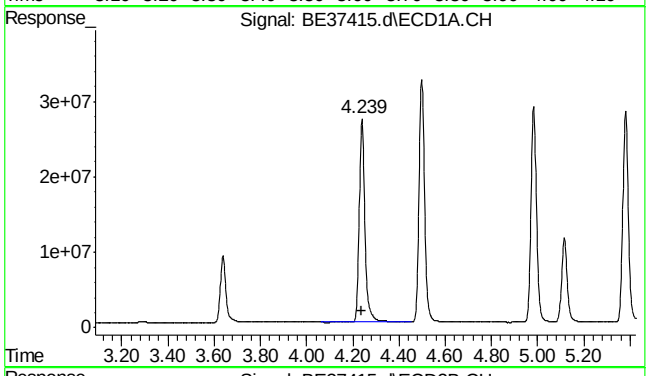
#1 TCMX

R.T.: 3.638 min
Delta R.T.: 0.000 min
Response: 145633577
Conc: 34.53 ppb



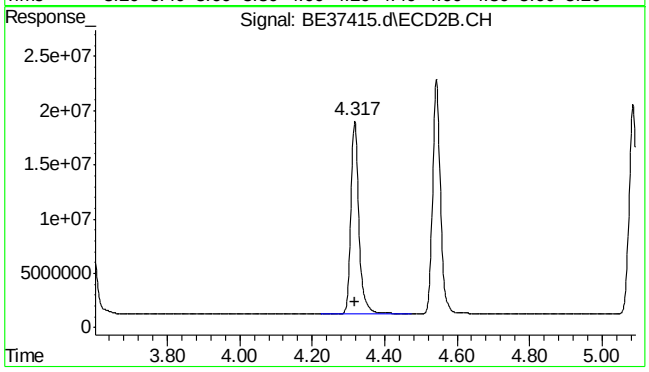
#1 TCMX

R.T.: 3.596 min
Delta R.T.: 0.000 min
Response: 93977235
Conc: 36.36 ppb



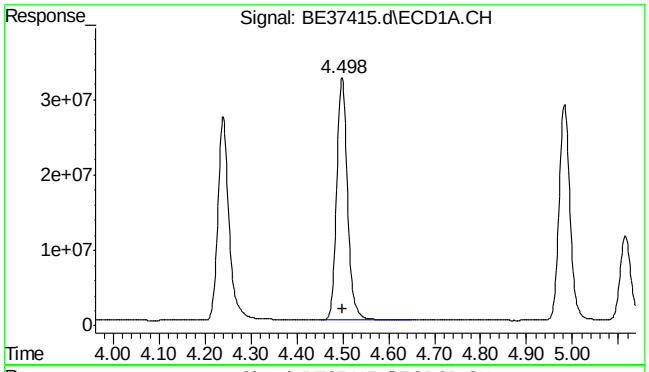
#2 Hexachlorobenzene

R.T.: 4.240 min
Delta R.T.: 0.000 min
Response: 456090226
Conc: 58.52 ppb



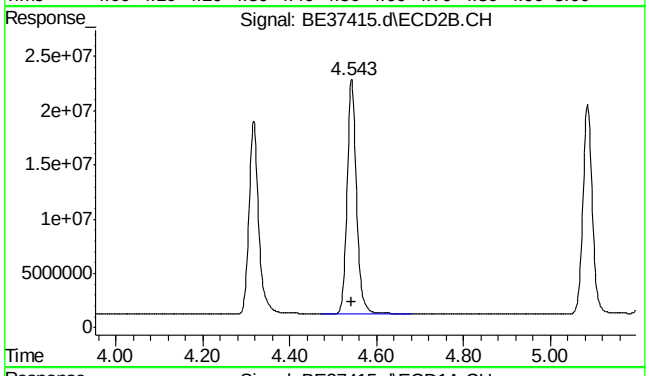
#2 Hexachlorobenzene

R.T.: 4.318 min
Delta R.T.: 0.000 min
Response: 273081979
Conc: 65.26 ppb



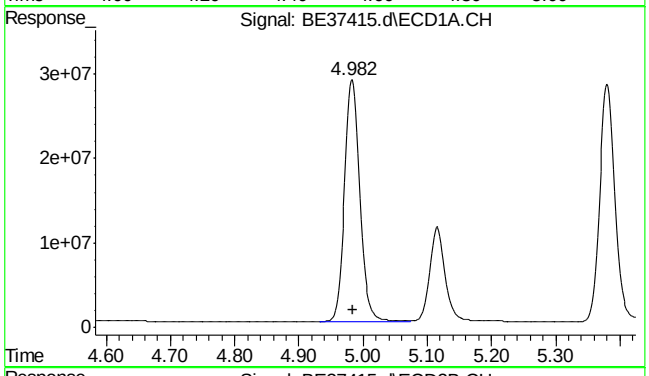
#3 Alpha-BHC

R.T.: 4.499 min
Delta R.T.: -0.002 min
Response: 523345665
Conc: 57.67 ppb



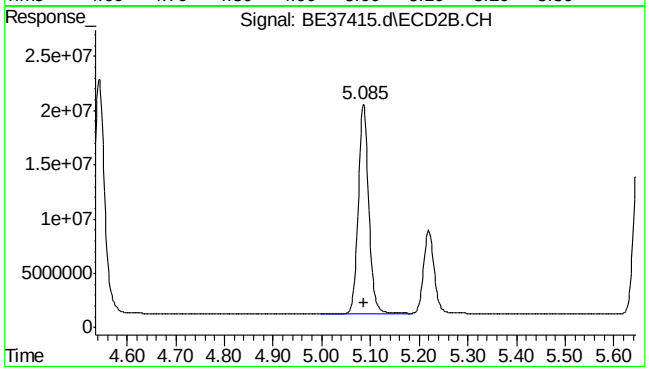
#3 Alpha-BHC

R.T.: 4.543 min
Delta R.T.: 0.000 min
Response: 321358539
Conc: 65.71 ppb



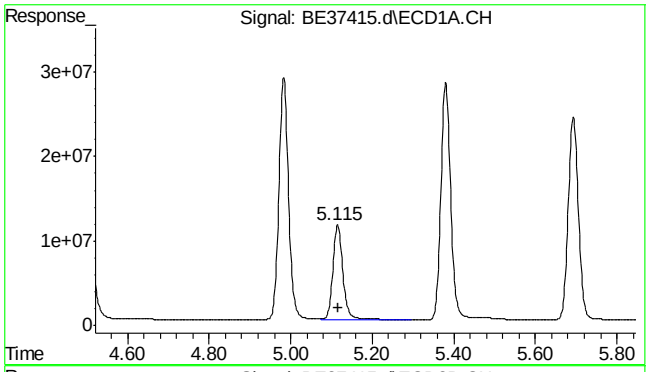
#4 Gamma-BHC

R.T.: 4.983 min
Delta R.T.: -0.001 min
Response: 470605206
Conc: 58.66 ppb



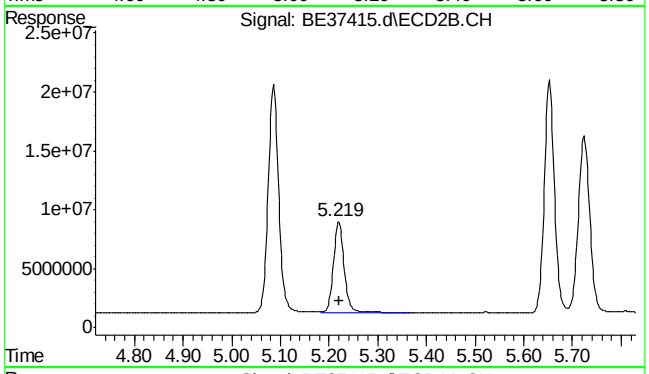
#4 Gamma-BHC

R.T.: 5.086 min
Delta R.T.: 0.000 min
Response: 291190374
Conc: 68.12 ppb



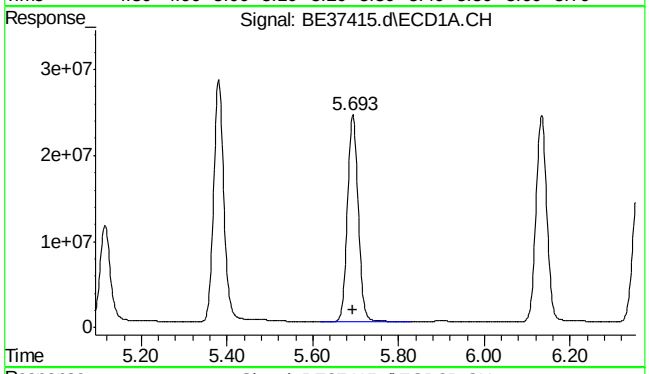
#5 Beta-BHC

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 190395057
Conc: 59.96 ppb



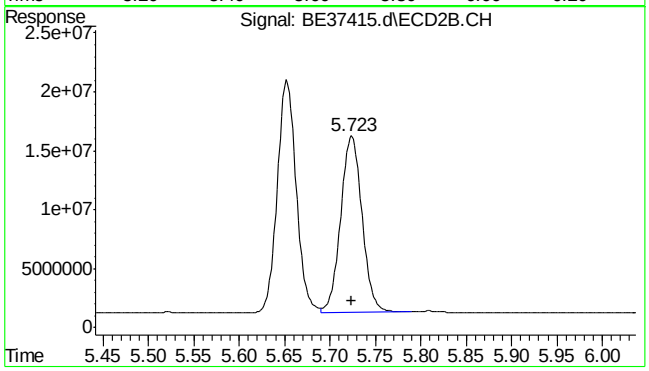
#5 Beta-BHC

R.T.: 5.220 min
Delta R.T.: 0.000 min
Response: 119090823
Conc: 71.56 ppb



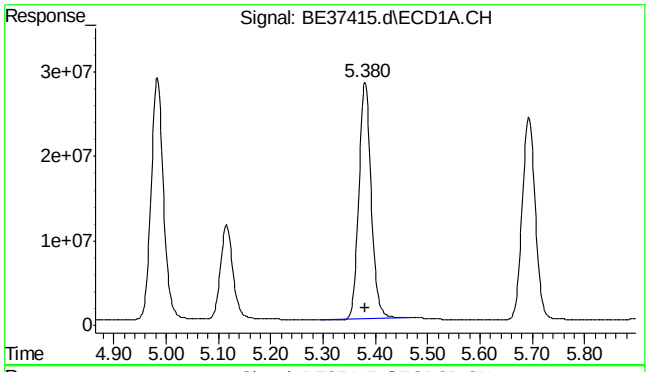
#6 Heptachlor

R.T.: 5.694 min
Delta R.T.: 0.000 min
Response: 417019995
Conc: 59.82 ppb



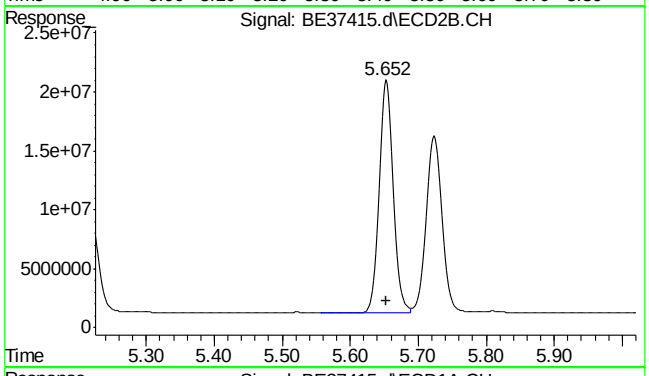
#6 Heptachlor

R.T.: 5.724 min
Delta R.T.: 0.000 min
Response: 243795247
Conc: 66.86 ppb



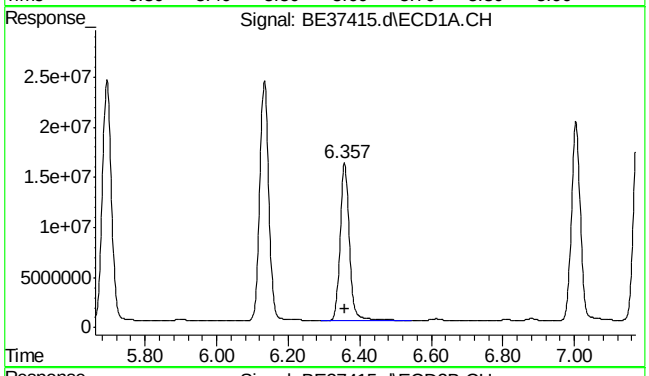
#7 Delta-BHC

R.T.: 5.381 min
Delta R.T.: 0.000 min
Response: 456074382
Conc: 60.19 ppb



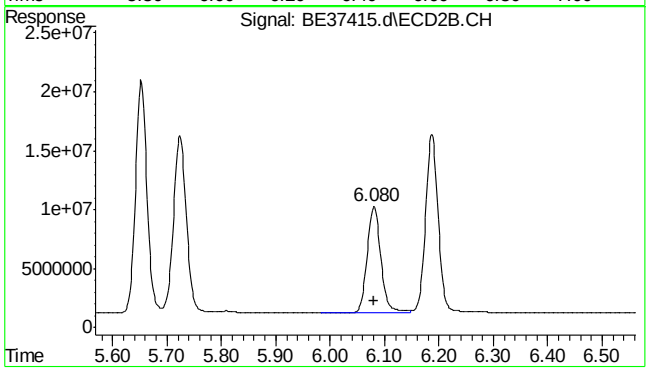
#7 Delta-BHC

R.T.: 5.653 min
Delta R.T.: 0.000 min
Response: 282781790
Conc: 70.44 ppb



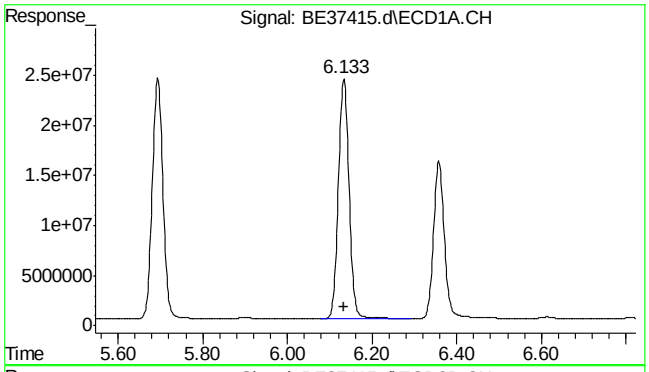
#8 Alachlor

R.T.: 6.358 min
Delta R.T.: 0.000 min
Response: 279404664
Conc: 470.83 ppb



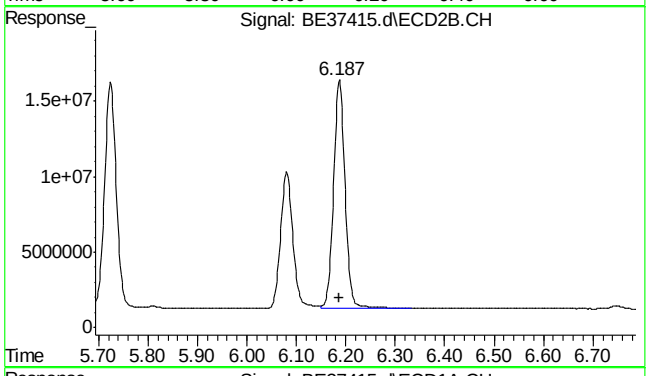
#8 Alachlor

R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 157498298
Conc: 494.77 ppb



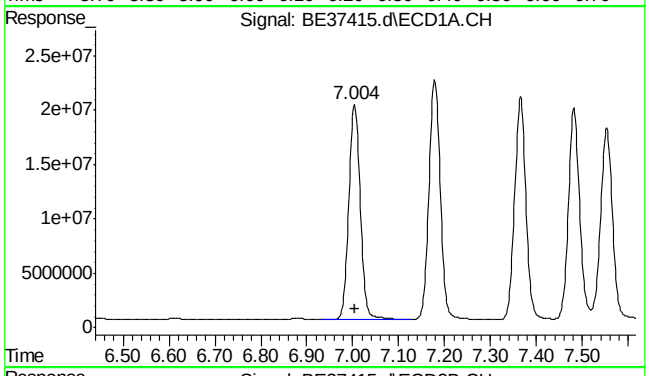
#9 Aldrin

R.T.: 6.134 min
Delta R.T.: 0.000 min
Response: 418526470
Conc: 56.31 ppb



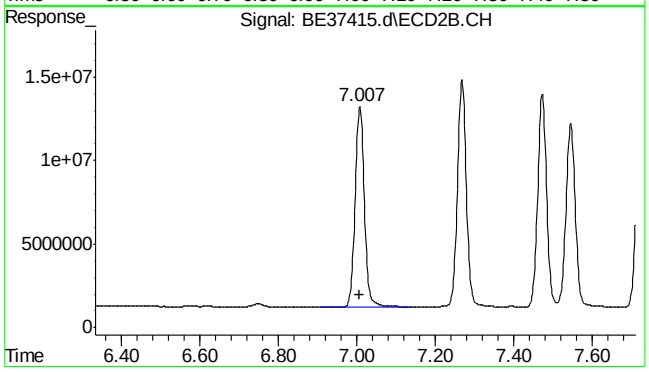
#9 Aldrin

R.T.: 6.187 min
Delta R.T.: 0.000 min
Response: 244995834
Conc: 62.80 ppb



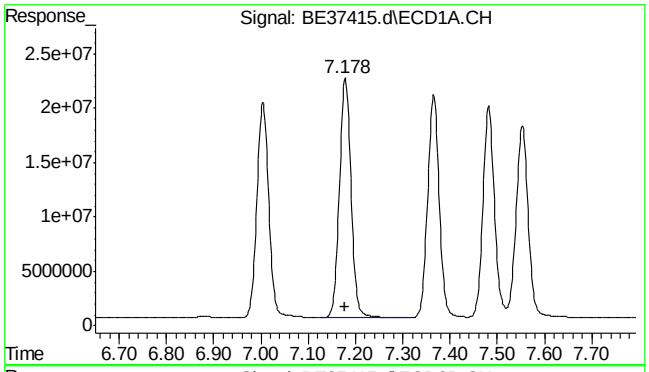
#10 Heptachlor Epoxide

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 345868294
Conc: 56.82 ppb



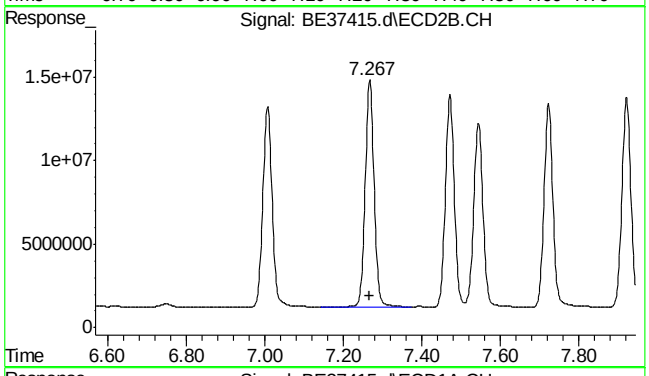
#10 Heptachlor Epoxide

R.T.: 7.007 min
Delta R.T.: 0.000 min
Response: 195575310
Conc: 81.72 ppb



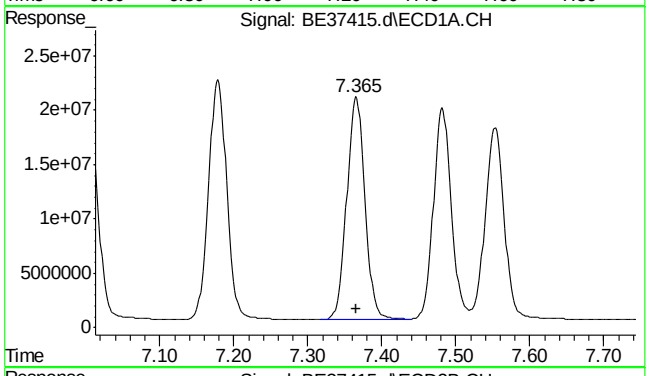
#11 Gamma-Chlordane

R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 380389042
Conc: 55.81 ppb



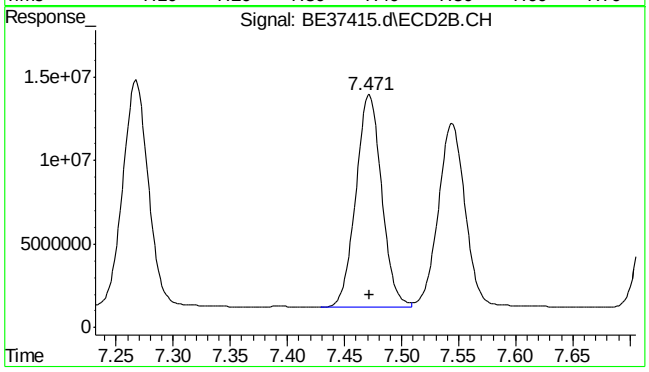
#11 Gamma-Chlordane

R.T.: 7.268 min
Delta R.T.: 0.000 min
Response: 213148309
Conc: 62.12 ppb



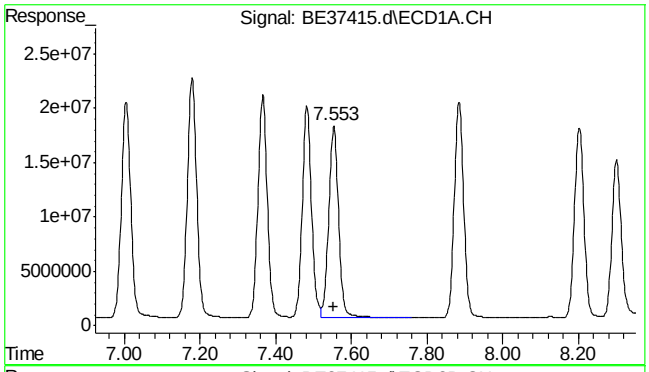
#12 Alpha-Chlordane

R.T.: 7.366 min
Delta R.T.: 0.000 min
Response: 350536205
Conc: 74.79 ppb



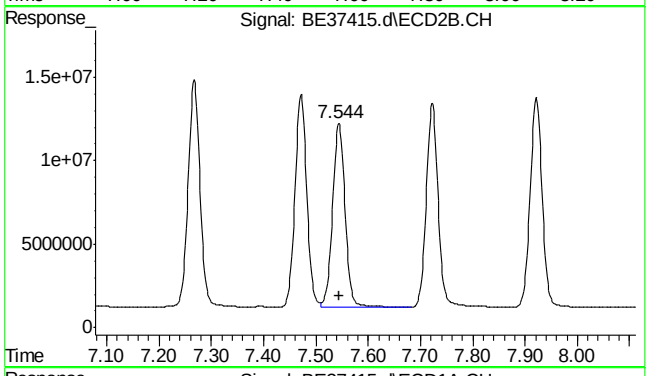
#12 Alpha-Chlordane

R.T.: 7.472 min
Delta R.T.: 0.000 min
Response: 199774091
Conc: 60.74 ppb



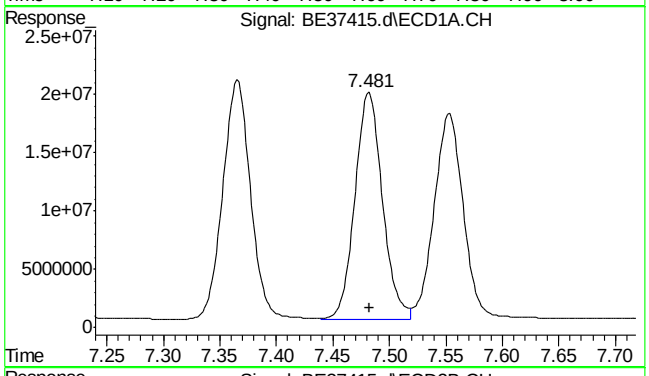
#13 Endosulfan-I

R.T.: 7.553 min
Delta R.T.: 0.000 min
Response: 320625835
Conc: 55.15 ppb



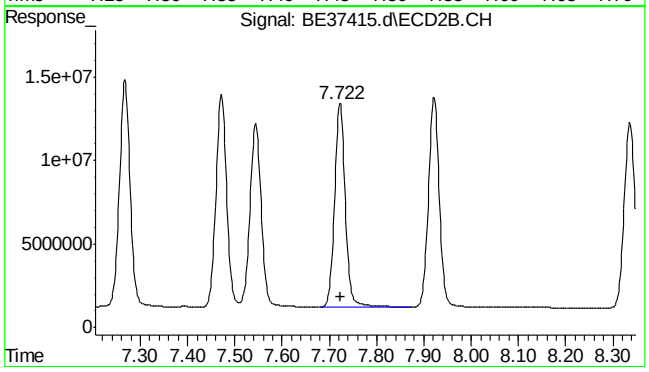
#13 Endosulfan-I

R.T.: 7.545 min
Delta R.T.: 0.000 min
Response: 183049510
Conc: 60.45 ppb



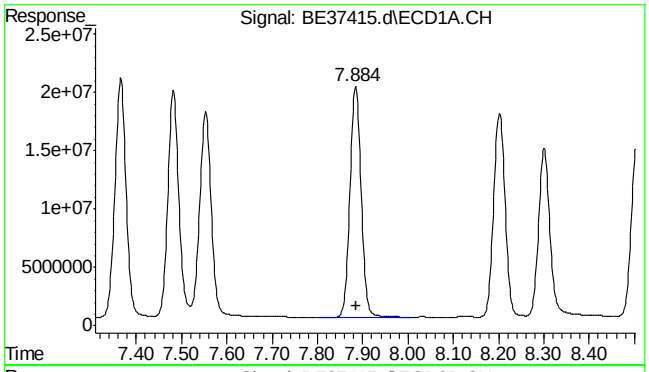
#14 4,4'-DDE

R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 327755251
Conc: 66.35 ppb



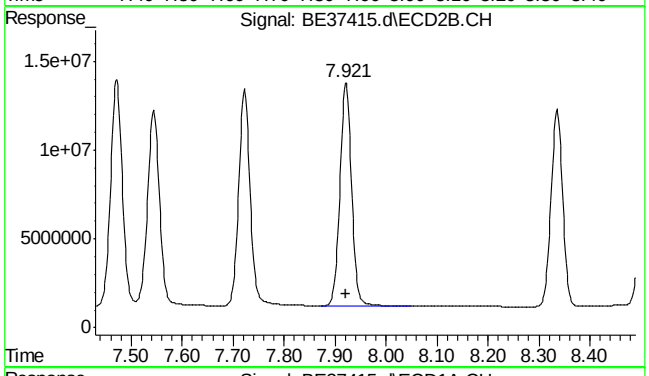
#14 4,4'-DDE

R.T.: 7.723 min
Delta R.T.: 0.000 min
Response: 193474818
Conc: 66.19 ppb



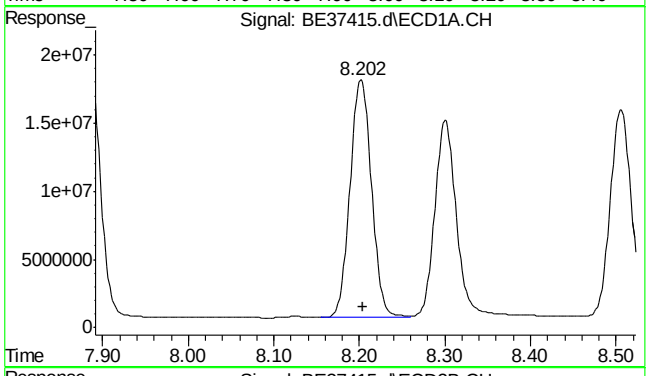
#15 Dieldrin

R.T.: 7.884 min
Delta R.T.: 0.000 min
Response: 342968883
Conc: 64.50 ppb



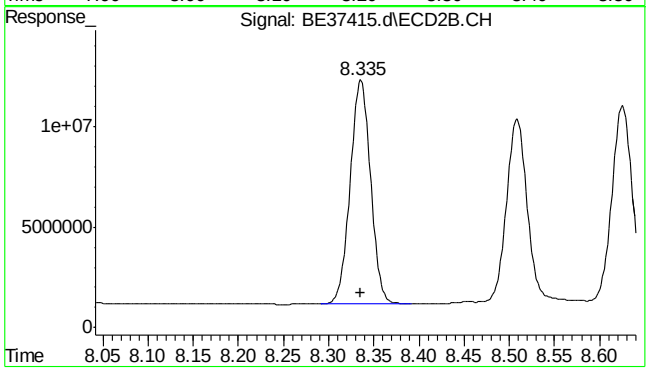
#15 Dieldrin

R.T.: 7.922 min
Delta R.T.: 0.000 min
Response: 201171486
Conc: 60.45 ppb



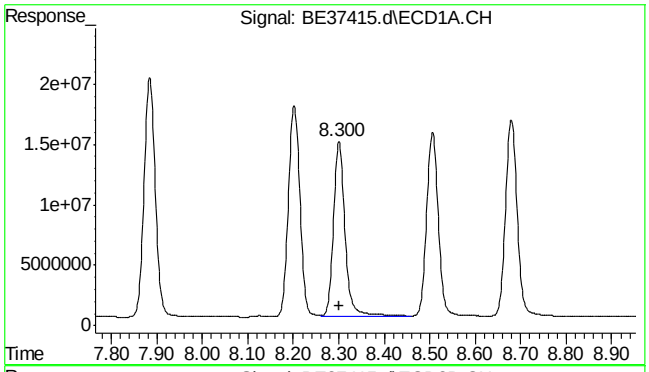
#16 Endrin

R.T.: 8.202 min
Delta R.T.: -0.001 min
Response: 305420914
Conc: 62.81 ppb



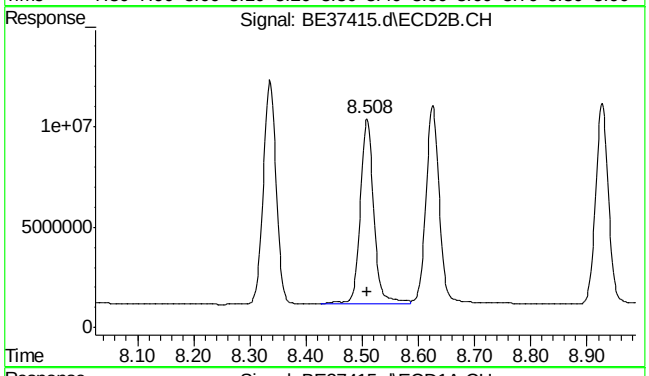
#16 Endrin

R.T.: 8.335 min
Delta R.T.: 0.000 min
Response: 176067182
Conc: 66.19 ppb m



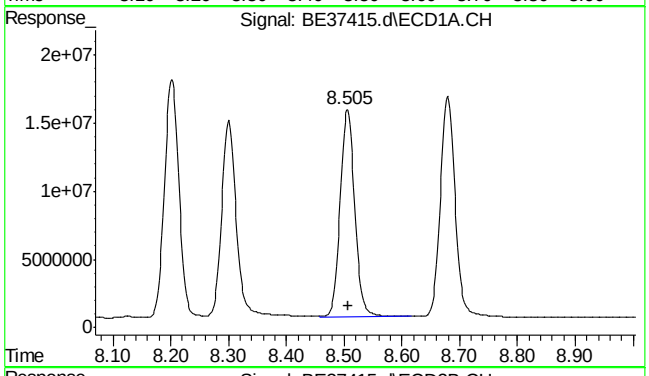
#17 4,4'-DDD

R.T.: 8.301 min
Delta R.T.: 0.000 min
Response: 259628330
Conc: 63.76 ppb



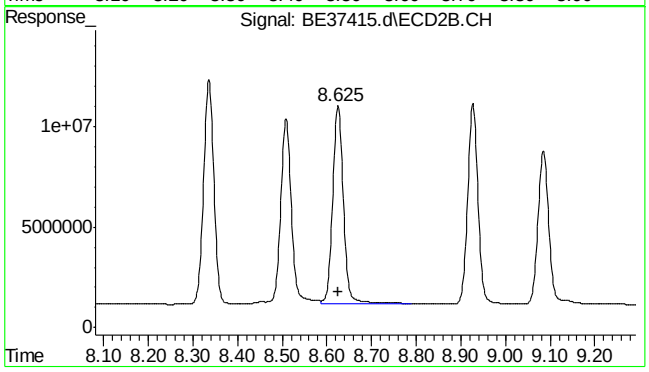
#17 4,4'-DDD

R.T.: 8.509 min
Delta R.T.: 0.000 min
Response: 153201447
Conc: 66.60 ppb



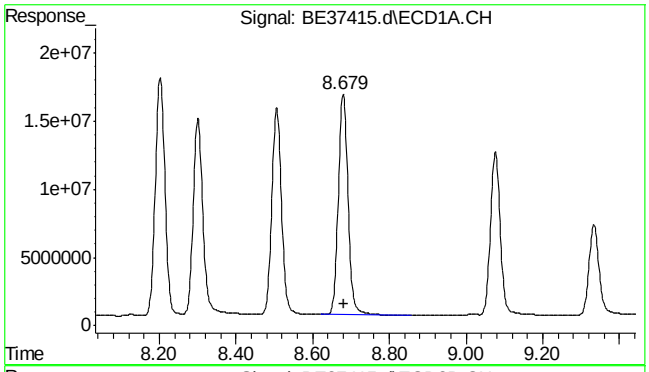
#18 Endosulfan-II

R.T.: 8.506 min
Delta R.T.: -0.001 min
Response: 266989536
Conc: 57.92 ppb



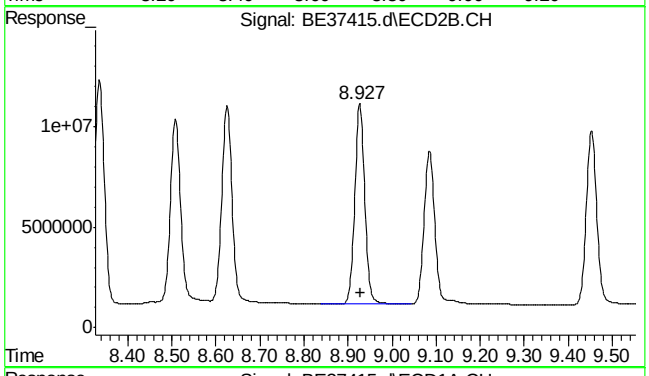
#18 Endosulfan-II

R.T.: 8.626 min
Delta R.T.: 0.000 min
Response: 163351371
Conc: 60.40 ppb



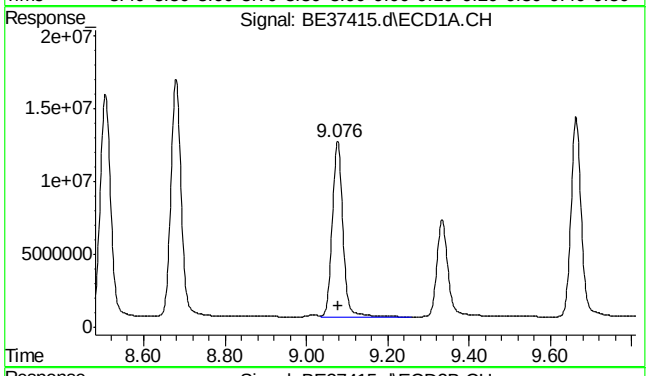
#19 4,4'-DDT

R.T.: 8.680 min
Delta R.T.: 0.000 min
Response: 286380350
Conc: 68.56 ppb



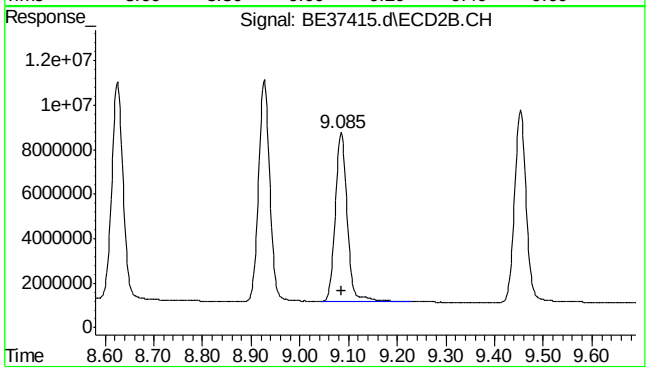
#19 4,4'-DDT

R.T.: 8.927 min
Delta R.T.: 0.000 min
Response: 157654073
Conc: 64.74 ppb



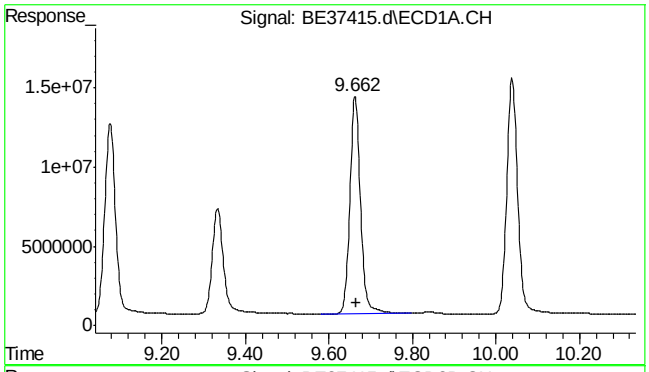
#20 Endrin Aldehyde

R.T.: 9.077 min
Delta R.T.: 0.000 min
Response: 217120814
Conc: 57.67 ppb



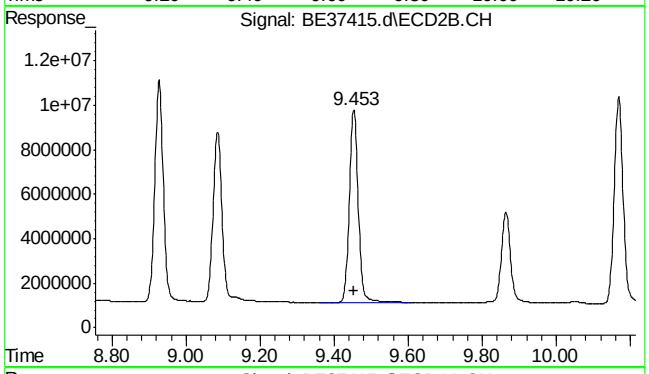
#20 Endrin Aldehyde

R.T.: 9.085 min
Delta R.T.: 0.000 min
Response: 129462445
Conc: 60.27 ppb



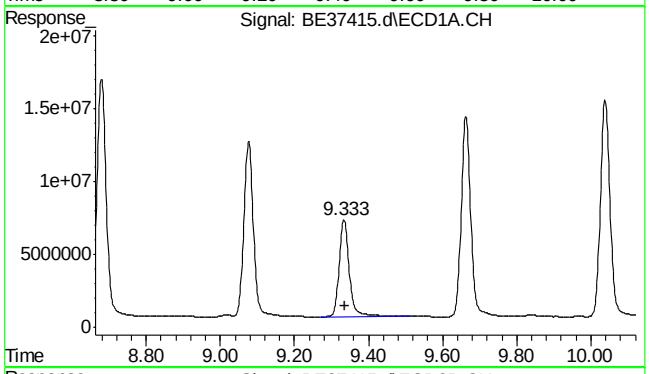
#21 Endosulfan Sulfate

R.T.: 9.663 min
Delta R.T.: -0.001 min
Response: 240913102
Conc: 57.69 ppb



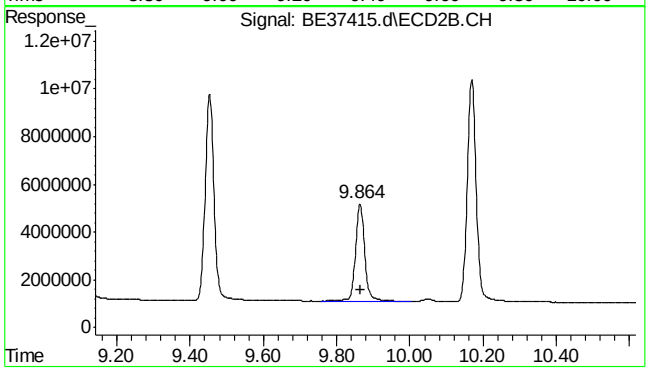
#21 Endosulfan Sulfate

R.T.: 9.453 min
Delta R.T.: 0.000 min
Response: 144247376
Conc: 57.15 ppb



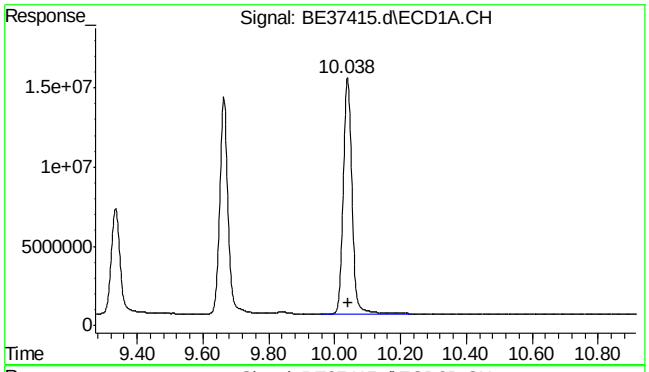
#22 Methoxychlor

R.T.: 9.334 min
Delta R.T.: -0.001 min
Response: 126597622
Conc: 76.28 ppb



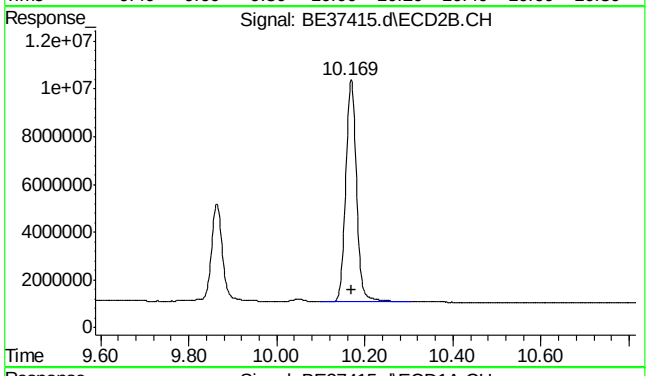
#22 Methoxychlor

R.T.: 9.864 min
Delta R.T.: 0.000 min
Response: 71326589
Conc: 101.52 ppb



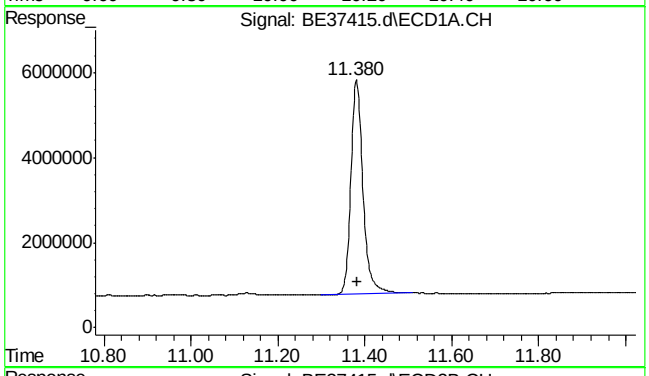
#23 Endrin Ketone

R.T.: 10.039 min
Delta R.T.: -0.002 min
Response: 270576595
Conc: 53.90 ppb



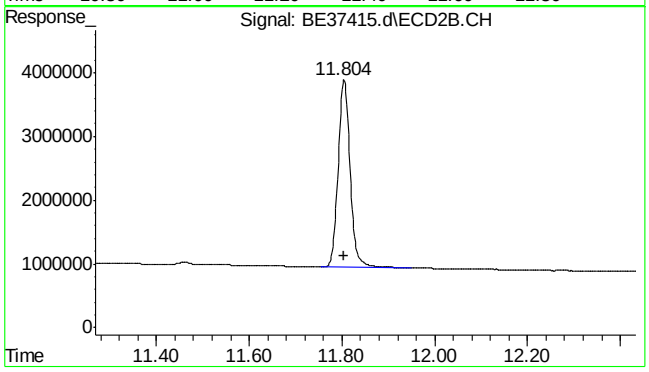
#23 Endrin Ketone

R.T.: 10.169 min
Delta R.T.: 0.000 min
Response: 156215364
Conc: 53.38 ppb



#38 DCB

R.T.: 11.381 min
Delta R.T.: 0.000 min
Response: 96322671
Conc: 30.48 ppb



#38 DCB

R.T.: 11.804 min
Delta R.T.: 0.000 min
Response: 52565154
Conc: 31.43 ppb m

BE37416.D

Manual Integrations APPROVED (compounds with "m" flag)

Andri Piluri 07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37416.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 16:19:51
Operator : andrip
Sample : ic1943-50,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 82 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:42:38 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:40:07 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.637	3.597	114.5E6	75019333	27.137	29.026
	Spiked Amount 40.000			Recovery	=	67.84%	72.56%
38) s	DCB	11.377	11.804	72625040	39887228	22.979m	23.849m
	Spiked Amount 40.000			Recovery	=	57.45%	59.62%
	Target Compounds						
2)	Hexachlor...	4.238	4.319	198.9E6	125.1E6	25.514	29.907
3)	Alpha-BHC	4.497	4.544	220.4E6	142.6E6	24.286	29.156
4)	Gamma-BHC	4.981	5.086	200.4E6	129.5E6	24.979	30.288
5)	Beta-BHC	5.114	5.221	83896844	53771884	26.421	32.312
6)	Heptachlor	5.691	5.725	191.3E6	113.9E6	27.438	31.231
7)	Delta-BHC	5.378	5.654	203.5E6	123.6E6	26.857	30.785
8)	Alachlor	6.356	6.081	131.3E6	84428145	221.179	265.227
9)	Aldrin	6.131	6.188	184.4E6	115.1E6	24.807	29.514
10)	Heptachlo...	7.002	7.007	154.1E6	93900305	25.321	39.237 #
11)	Gamma-Chl...	7.176	7.268	161.5E6	98341562	23.694	28.662
12)	Alpha-Chl...	7.362	7.472	153.3E6	91608133	32.709	27.854
13)	Endosulfan-I	7.551	7.545	142.0E6	86810059	24.430	28.670
14)	4,4'-DDE	7.479	7.723	132.3E6	84534553	26.777	28.920
15)	Dieldrin	7.883	7.922	150.1E6	94174076	28.223	28.298
16)	Endrin	8.200	8.336	136.7E6	81091263	28.115	30.486
17)	4,4'-DDD	8.299	8.509	107.8E6	66054136	26.486	28.716
18)	Endosulfa...	8.505	8.626	119.6E6	75000087	25.935	27.733
19)	4,4'-DDT	8.678	8.928	108.6E6	67199849	25.996	27.595
20)	Endrin Al...	9.075	9.086	90712179	58259092	24.095	27.122
21)	Endosulfa...	9.663	9.454	98337658	65858745	23.547	26.095
22)	Methoxychlor	9.332	9.865	49146471	29839594	29.613	42.471 #
23)	Endrin Ke...	10.038	10.169	111.5E6	70837942	22.210m	24.204m

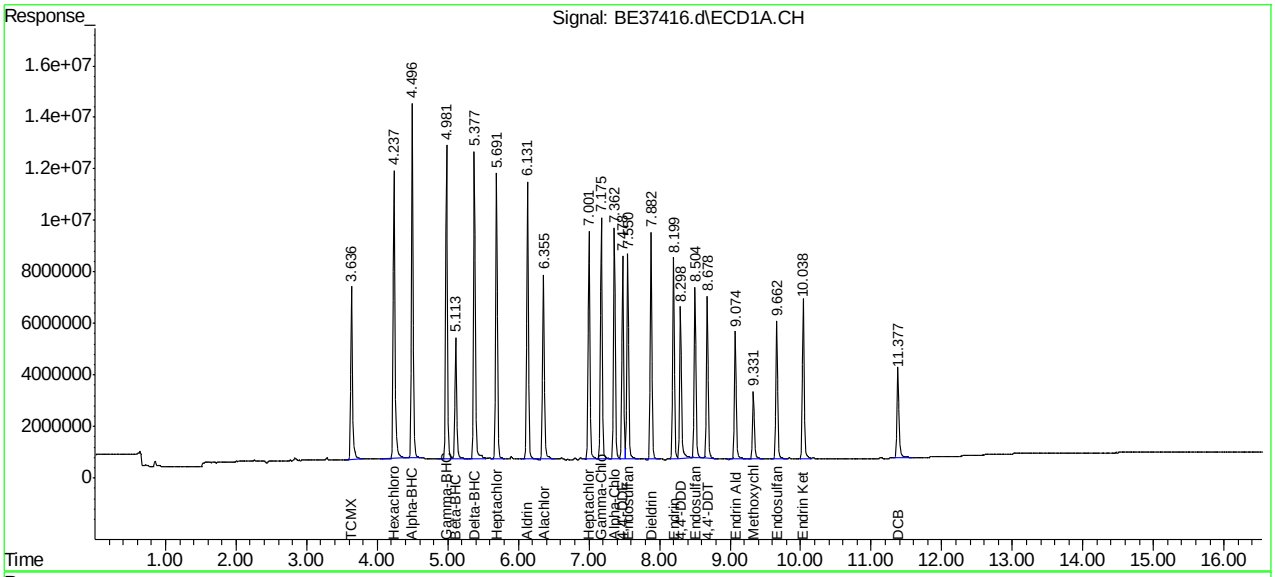
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

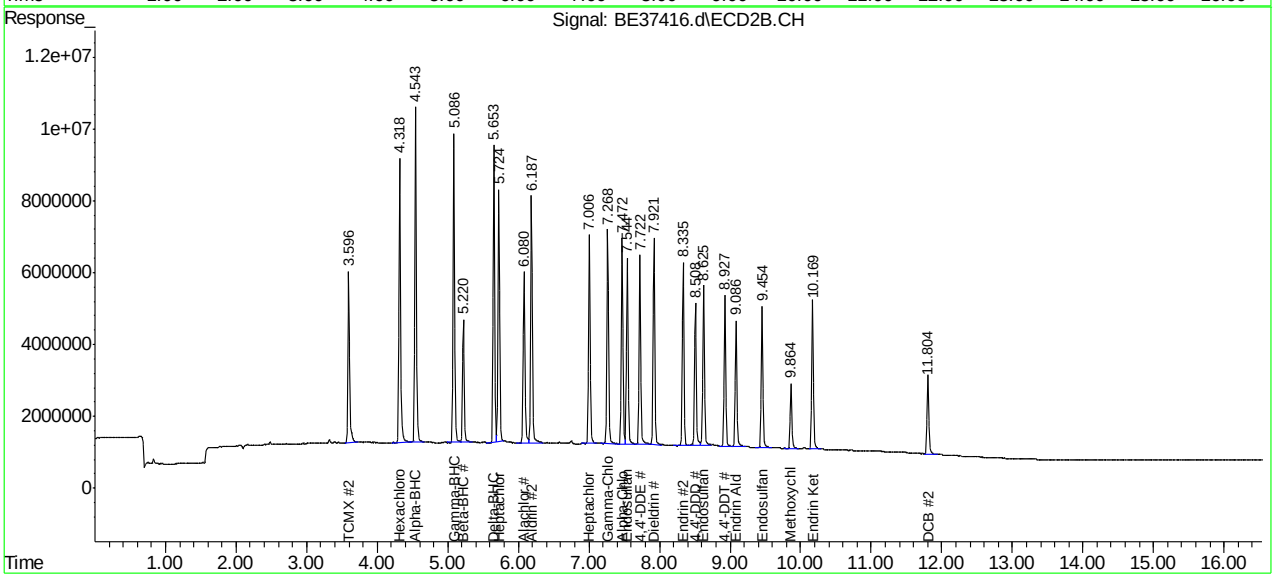
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37416.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 16:19:51
Operator : andrip
Sample : ic1943-50,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 82 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

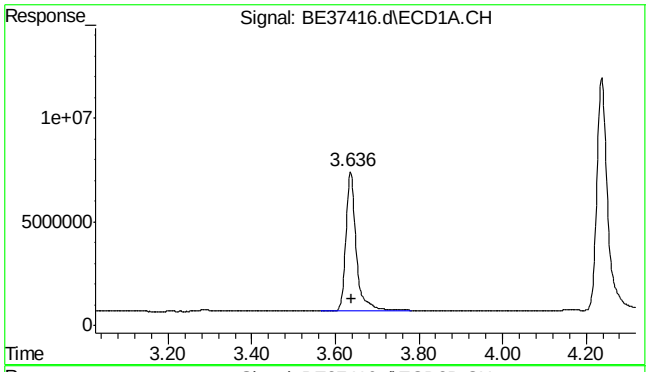
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:42:38 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:40:07 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



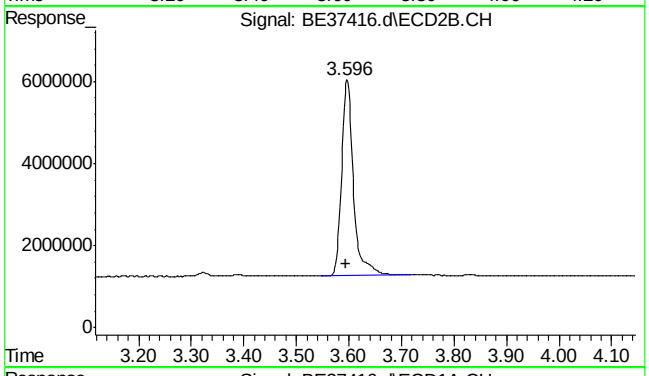


ACCUTEST LABORATORIES MC23456



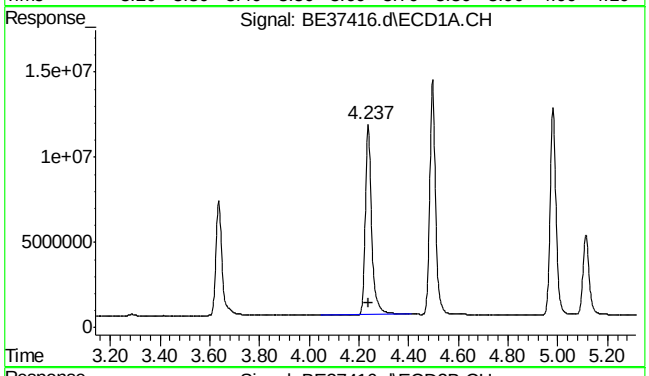
#1 TCMX

R.T.: 3.637 min
Delta R.T.: -0.001 min
Response: 114461849
Conc: 27.14 ppb



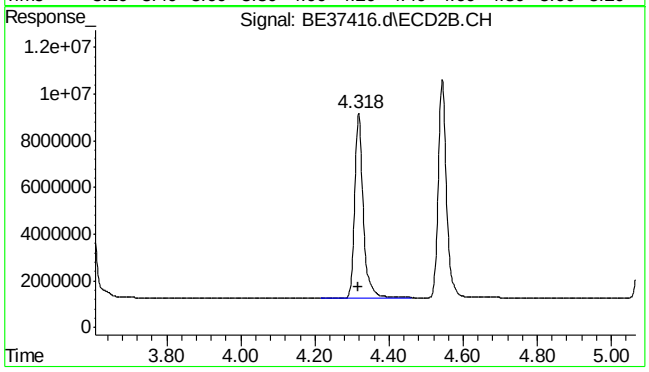
#1 TCMX

R.T.: 3.597 min
Delta R.T.: 0.001 min
Response: 75019333
Conc: 29.03 ppb



#2 Hexachlorobenzene

R.T.: 4.238 min
Delta R.T.: -0.003 min
Response: 198867563
Conc: 25.51 ppb

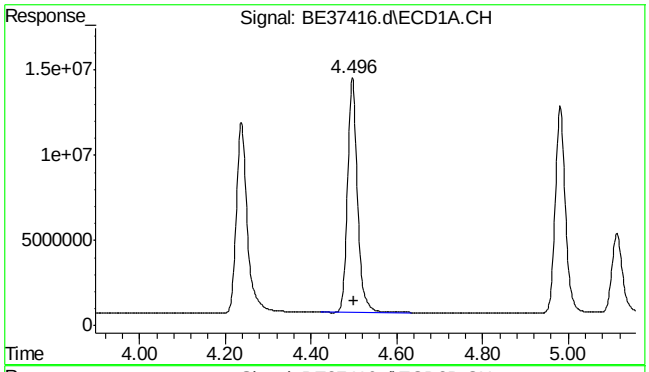


#2 Hexachlorobenzene

R.T.: 4.319 min
Delta R.T.: 0.000 min
Response: 125143809
Conc: 29.91 ppb

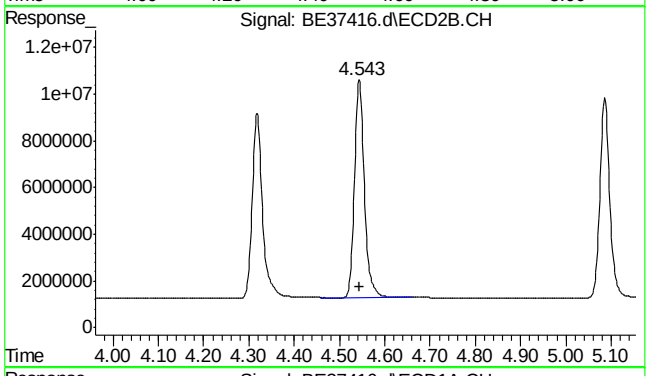
9.6.7

9



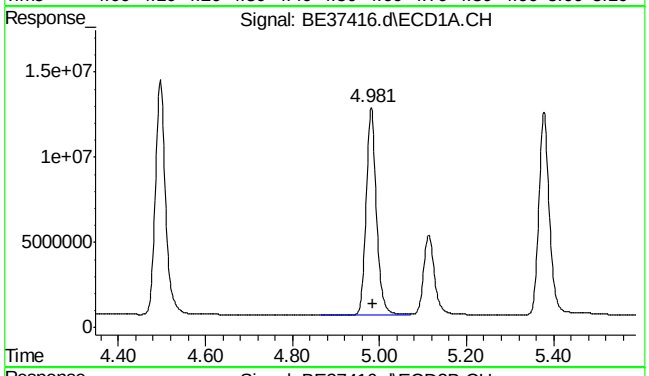
#3 Alpha-BHC

R.T.: 4.497 min
Delta R.T.: -0.003 min
Response: 220381140
Conc: 24.29 ppb



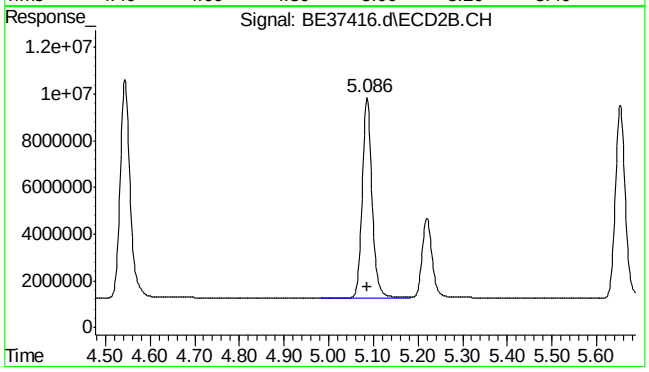
#3 Alpha-BHC

R.T.: 4.544 min
Delta R.T.: 0.000 min
Response: 142576967
Conc: 29.16 ppb



#4 Gamma-BHC

R.T.: 4.981 min
Delta R.T.: -0.003 min
Response: 200393988
Conc: 24.98 ppb

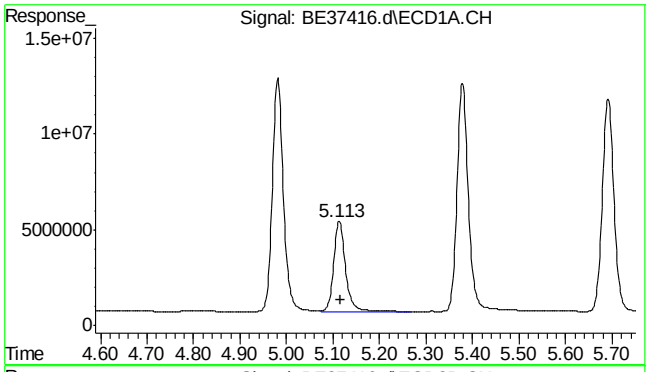


#4 Gamma-BHC

R.T.: 5.086 min
Delta R.T.: 0.000 min
Response: 129472558
Conc: 30.29 ppb

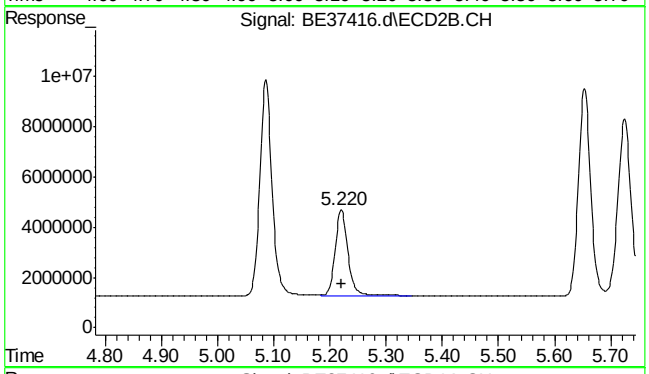
9.6.7

9



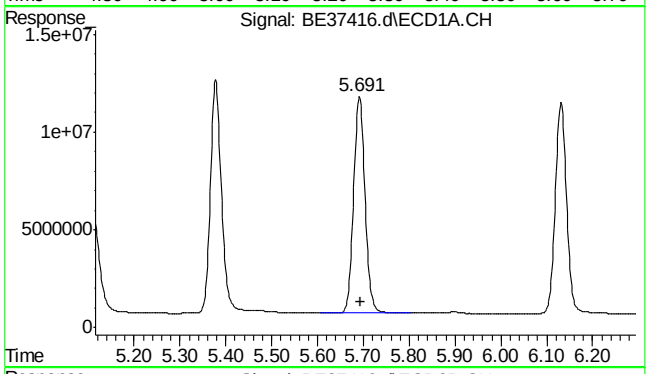
#5 Beta-BHC

R.T.: 5.114 min
Delta R.T.: -0.003 min
Response: 83896844
Conc: 26.42 ppb



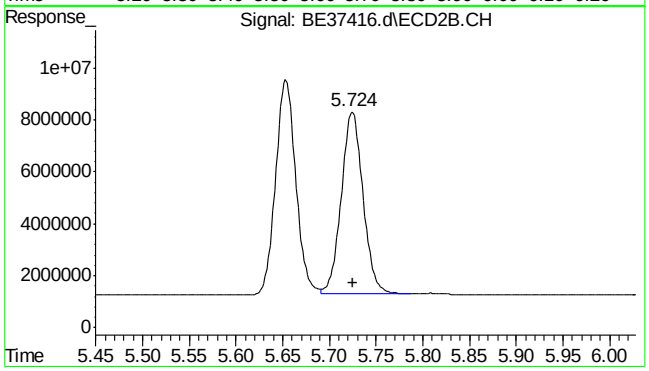
#5 Beta-BHC

R.T.: 5.221 min
Delta R.T.: 0.000 min
Response: 53771884
Conc: 32.31 ppb



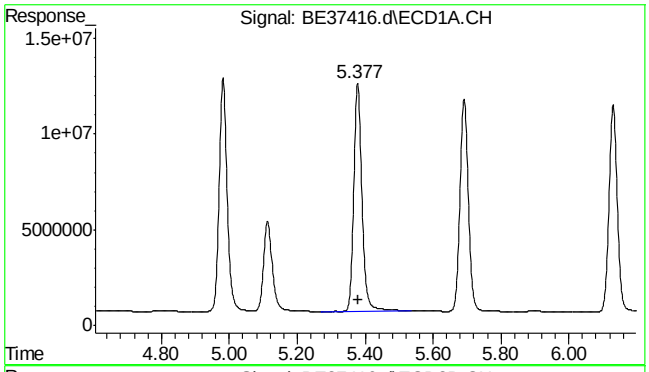
#6 Heptachlor

R.T.: 5.691 min
Delta R.T.: -0.003 min
Response: 191281702
Conc: 27.44 ppb



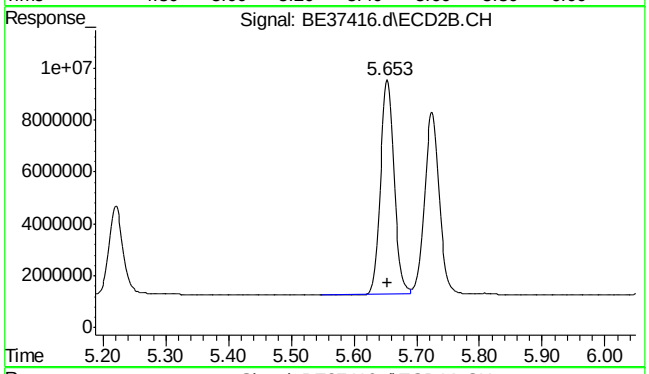
#6 Heptachlor

R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 113876934
Conc: 31.23 ppb



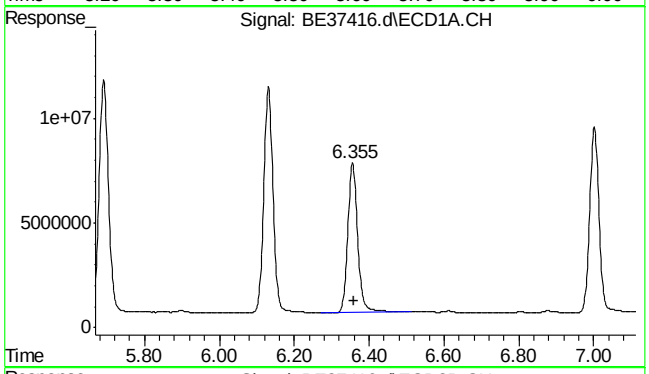
#7 Delta-BHC

R.T.: 5.378 min
Delta R.T.: -0.003 min
Response: 203513076
Conc: 26.86 ppb



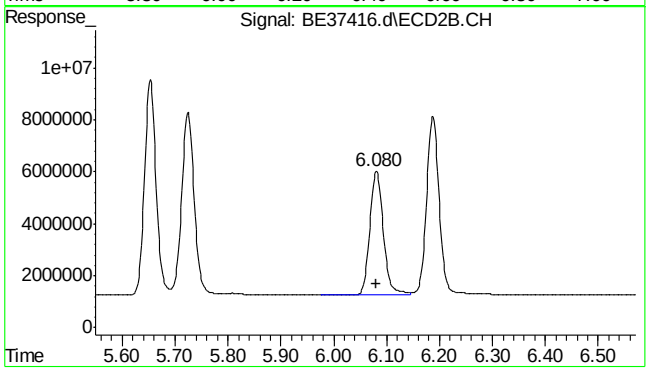
#7 Delta-BHC

R.T.: 5.654 min
Delta R.T.: 0.000 min
Response: 123578292
Conc: 30.78 ppb



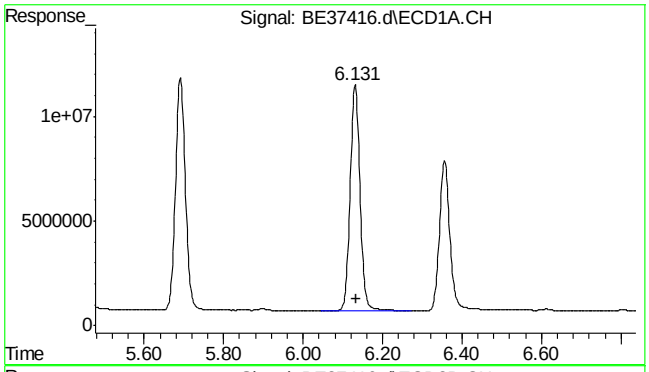
#8 Alachlor

R.T.: 6.356 min
Delta R.T.: -0.003 min
Response: 131254848
Conc: 221.18 ppb



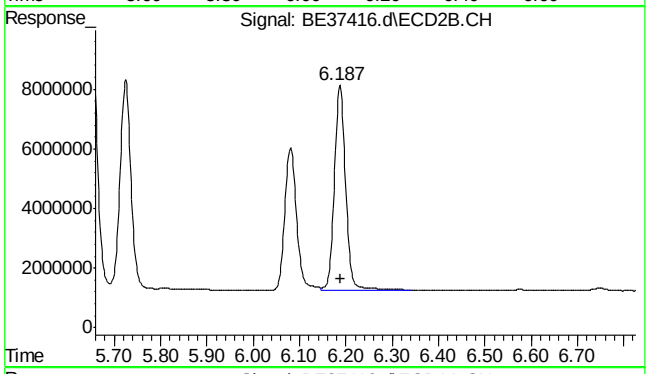
#8 Alachlor

R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 84428145
Conc: 265.23 ppb



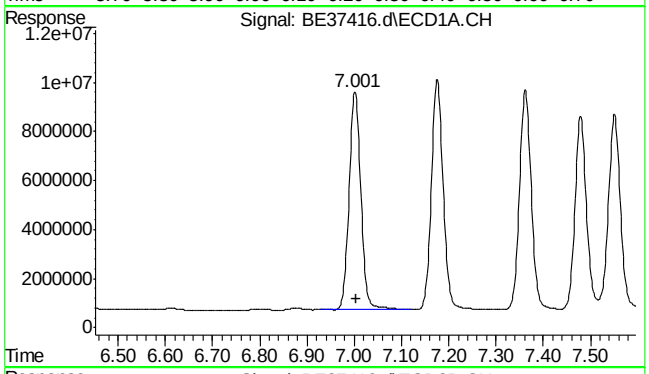
#9 Aldrin

R.T.: 6.131 min
Delta R.T.: -0.003 min
Response: 184370485
Conc: 24.81 ppb



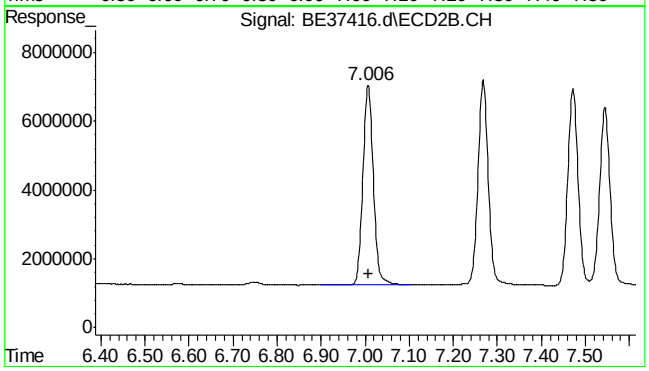
#9 Aldrin

R.T.: 6.188 min
Delta R.T.: 0.000 min
Response: 115135199
Conc: 29.51 ppb



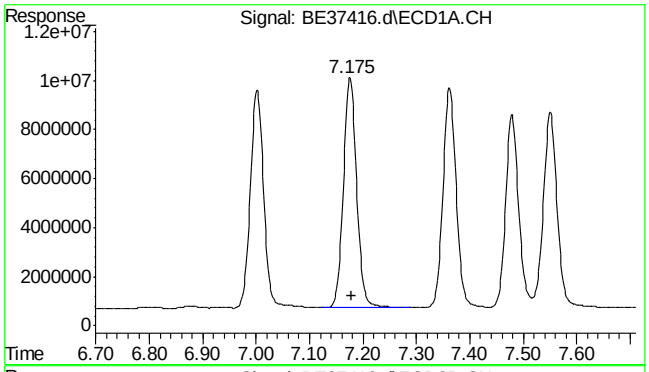
#10 Heptachlor Epoxide

R.T.: 7.002 min
Delta R.T.: -0.003 min
Response: 154141537
Conc: 25.32 ppb



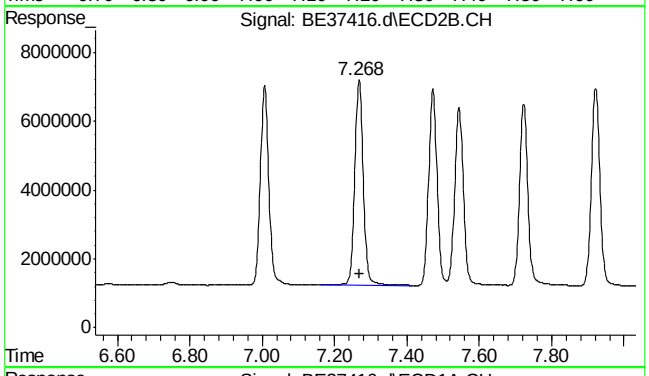
#10 Heptachlor Epoxide

R.T.: 7.007 min
Delta R.T.: 0.000 min
Response: 93900305
Conc: 39.24 ppb



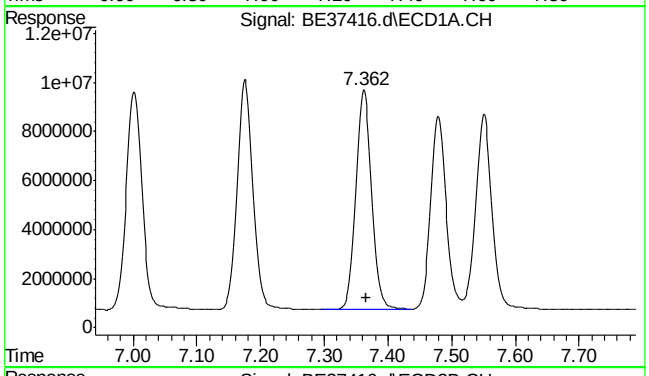
#11 Gamma-Chlordane

R.T.: 7.176 min
Delta R.T.: -0.003 min
Response: 161479730
Conc: 23.69 ppb



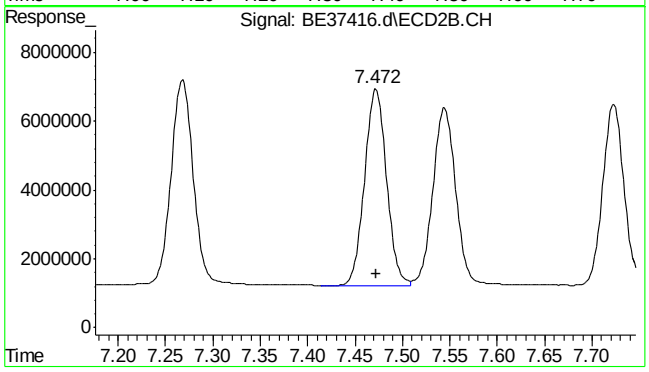
#11 Gamma-Chlordane

R.T.: 7.268 min
Delta R.T.: 0.000 min
Response: 98341562
Conc: 28.66 ppb



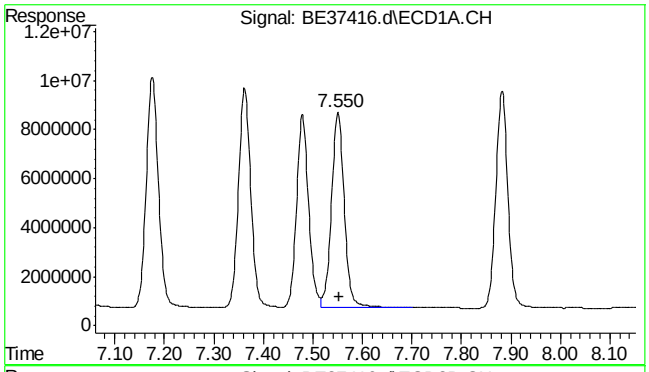
#12 Alpha-Chlordane

R.T.: 7.362 min
Delta R.T.: -0.003 min
Response: 153307680
Conc: 32.71 ppb



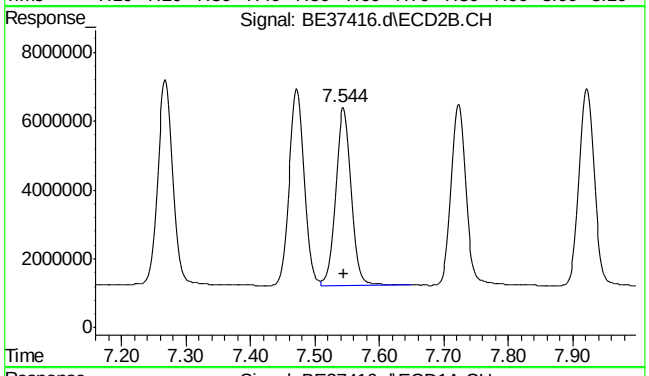
#12 Alpha-Chlordane

R.T.: 7.472 min
Delta R.T.: 0.000 min
Response: 91608133
Conc: 27.85 ppb



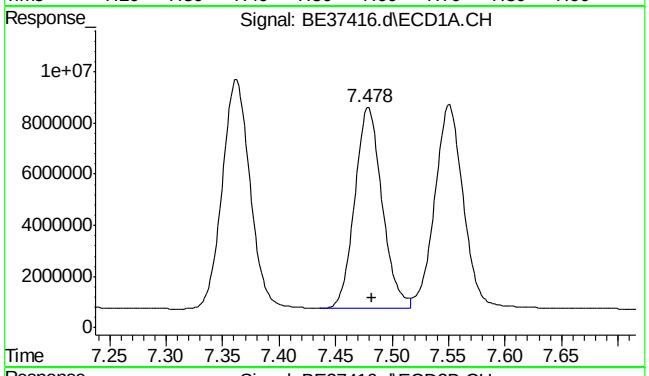
#13 Endosulfan-I

R.T.: 7.551 min
Delta R.T.: -0.003 min
Response: 142023748
Conc: 24.43 ppb



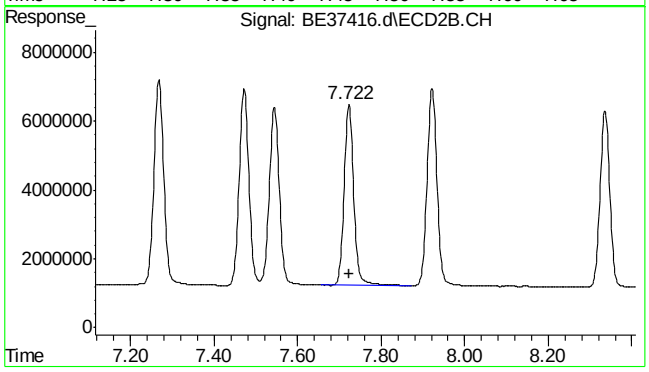
#13 Endosulfan-I

R.T.: 7.545 min
Delta R.T.: 0.000 min
Response: 86810059
Conc: 28.67 ppb



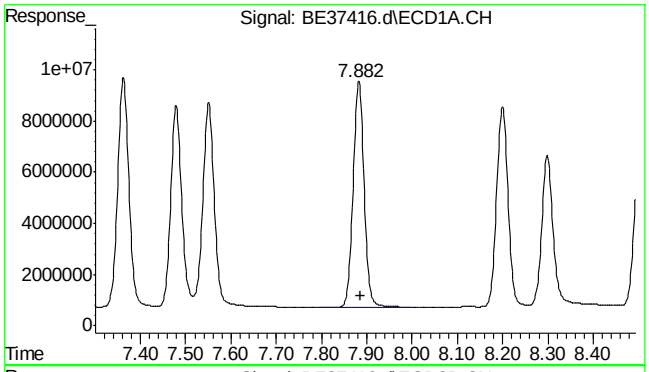
#14 4,4'-DDE

R.T.: 7.479 min
Delta R.T.: -0.003 min
Response: 132272887
Conc: 26.78 ppb



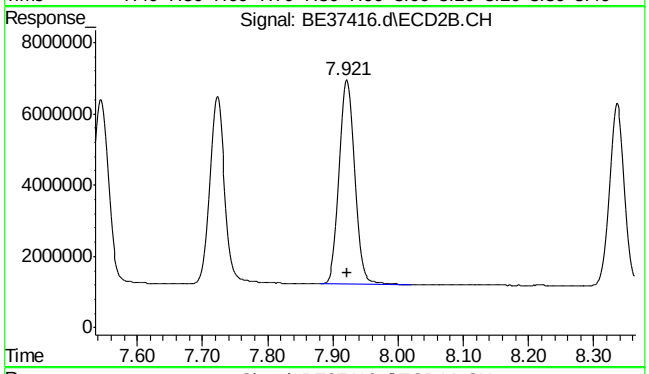
#14 4,4'-DDE

R.T.: 7.723 min
Delta R.T.: 0.000 min
Response: 84534553
Conc: 28.92 ppb



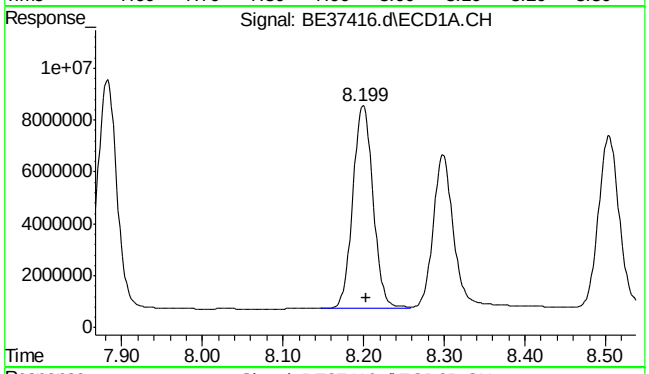
#15 Dieldrin

R.T.: 7.883 min
Delta R.T.: -0.003 min
Response: 150068281
Conc: 28.22 ppb



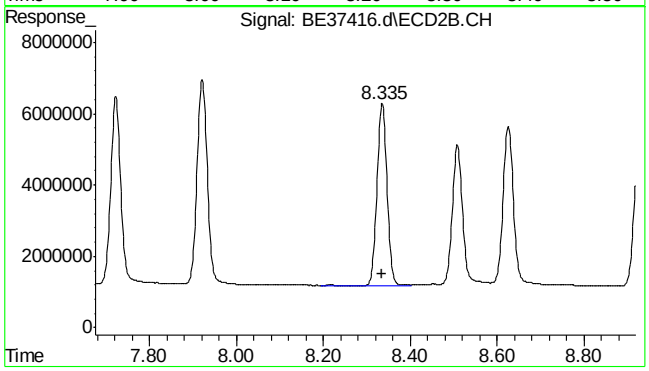
#15 Dieldrin

R.T.: 7.922 min
Delta R.T.: 0.000 min
Response: 94174076
Conc: 28.30 ppb



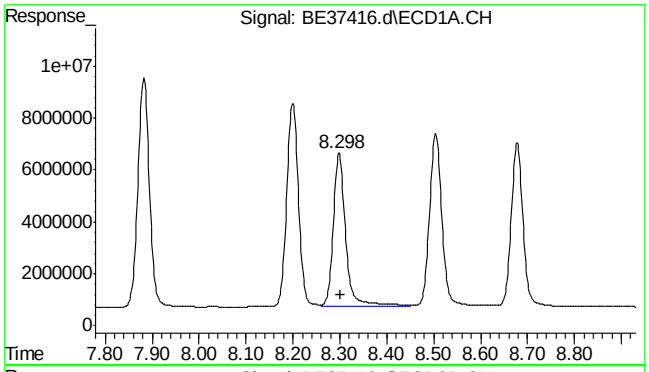
#16 Endrin

R.T.: 8.200 min
Delta R.T.: -0.004 min
Response: 136707819
Conc: 28.12 ppb



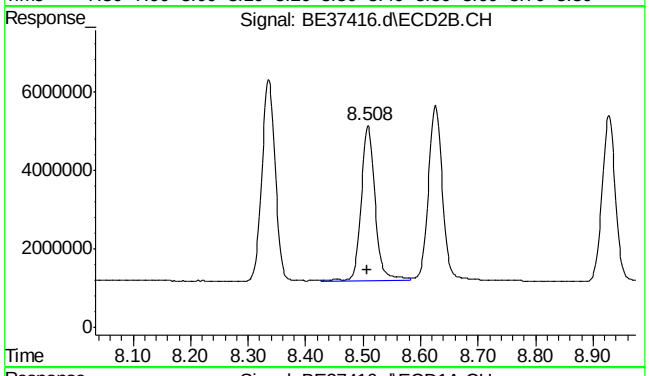
#16 Endrin

R.T.: 8.336 min
Delta R.T.: 0.000 min
Response: 81091263
Conc: 30.49 ppb



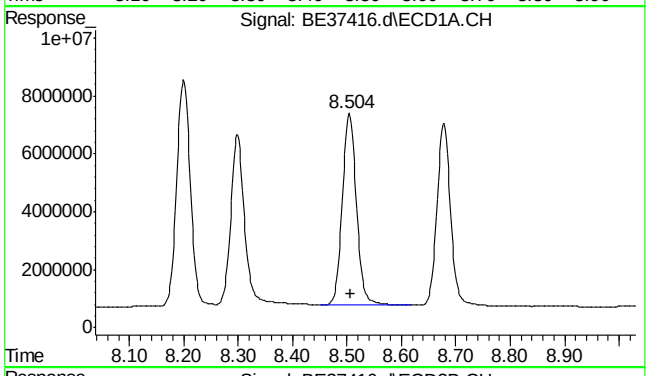
#17 4,4'-DDD

R.T.: 8.299 min
Delta R.T.: -0.003 min
Response: 107846515
Conc: 26.49 ppb



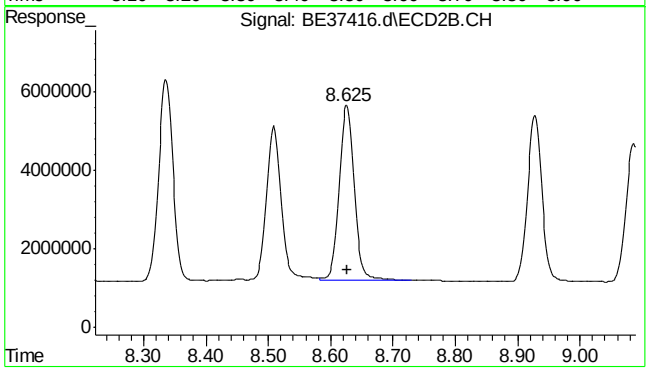
#17 4,4'-DDD

R.T.: 8.509 min
Delta R.T.: 0.000 min
Response: 66054136
Conc: 28.72 ppb



#18 Endosulfan-II

R.T.: 8.505 min
Delta R.T.: -0.003 min
Response: 119560689
Conc: 25.94 ppb

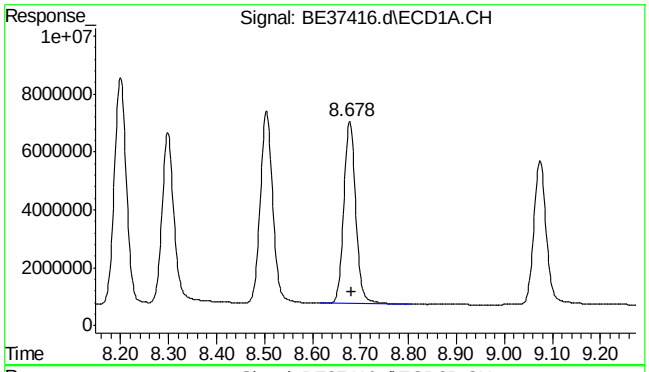


#18 Endosulfan-II

R.T.: 8.626 min
Delta R.T.: 0.000 min
Response: 75000087
Conc: 27.73 ppb

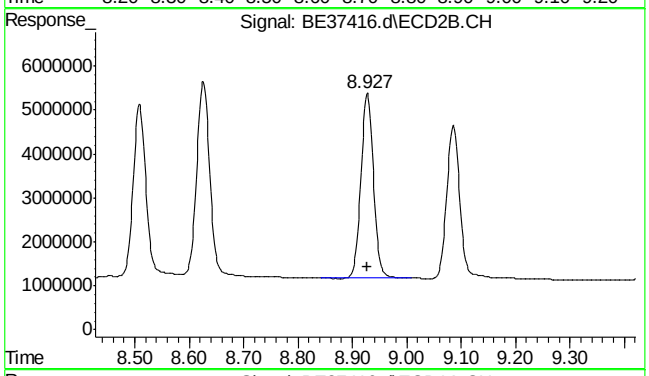
9.6.7

9



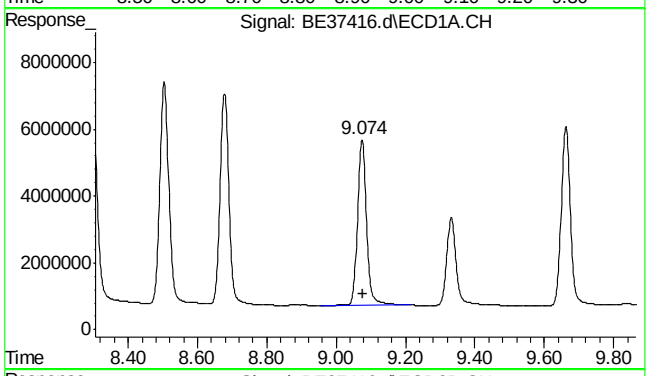
#19 4,4'-DDT

R.T.: 8.678 min
Delta R.T.: -0.002 min
Response: 108579964
Conc: 26.00 ppb



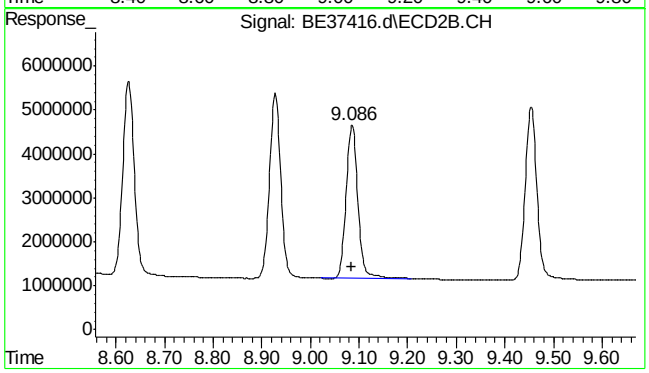
#19 4,4'-DDT

R.T.: 8.928 min
Delta R.T.: 0.000 min
Response: 67199849
Conc: 27.60 ppb



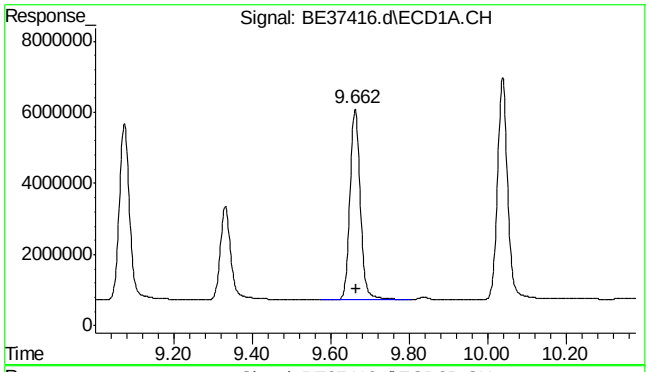
#20 Endrin Aldehyde

R.T.: 9.075 min
Delta R.T.: -0.003 min
Response: 90712179
Conc: 24.09 ppb



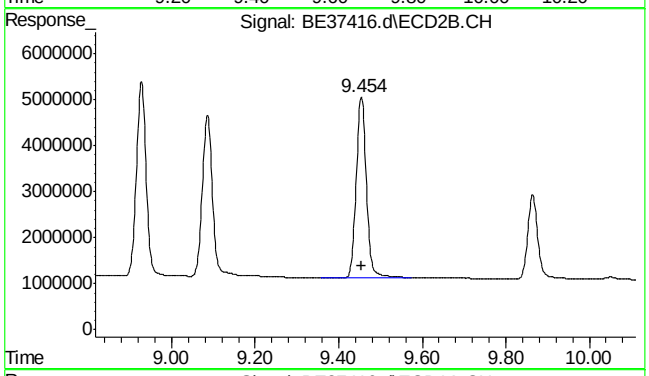
#20 Endrin Aldehyde

R.T.: 9.086 min
Delta R.T.: 0.000 min
Response: 58259092
Conc: 27.12 ppb



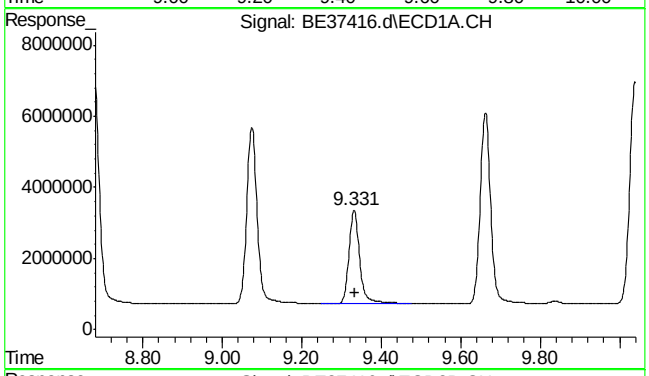
#21 Endosulfan Sulfate

R.T.: 9.663 min
Delta R.T.: -0.002 min
Response: 98337658
Conc: 23.55 ppb



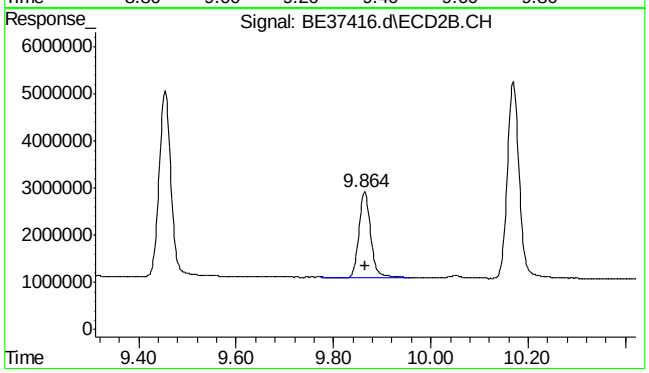
#21 Endosulfan Sulfate

R.T.: 9.454 min
Delta R.T.: 0.000 min
Response: 65858745
Conc: 26.09 ppb



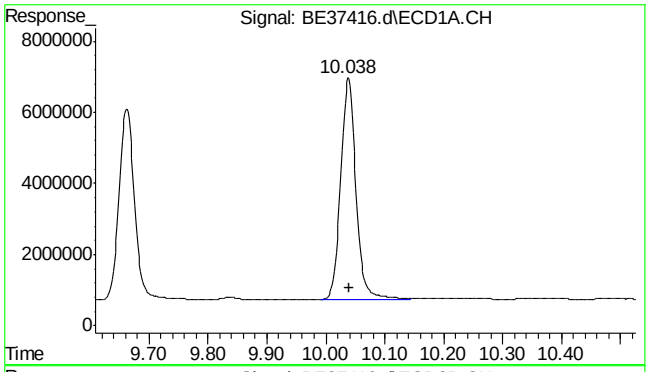
#22 Methoxychlor

R.T.: 9.332 min
Delta R.T.: -0.003 min
Response: 49146471
Conc: 29.61 ppb



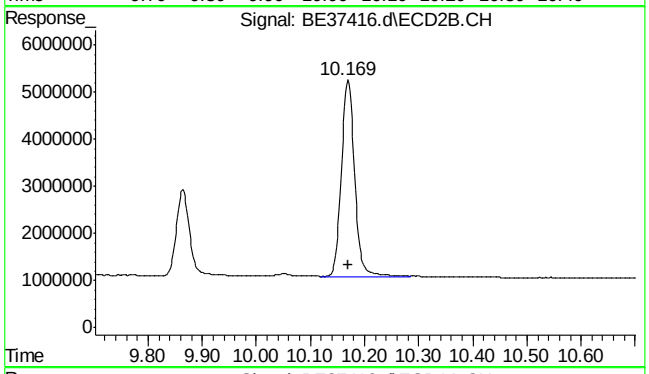
#22 Methoxychlor

R.T.: 9.865 min
Delta R.T.: 0.000 min
Response: 29839594
Conc: 42.47 ppb



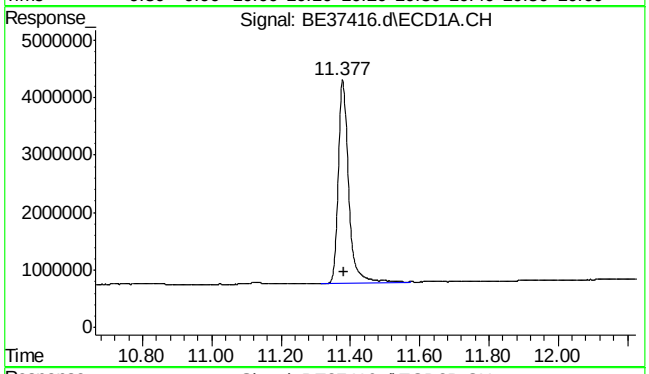
#23 Endrin Ketone

R.T.: 10.038 min
Delta R.T.: -0.003 min
Response: 111493043
Conc: 22.21 ppb m



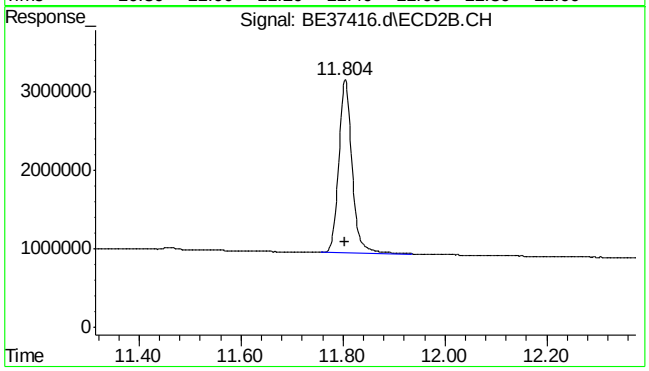
#23 Endrin Ketone

R.T.: 10.169 min
Delta R.T.: -0.001 min
Response: 70837942
Conc: 24.20 ppb m



#38 DCB

R.T.: 11.377 min
Delta R.T.: -0.004 min
Response: 72625040
Conc: 22.98 ppb m



#38 DCB

R.T.: 11.804 min
Delta R.T.: 0.000 min
Response: 39887228
Conc: 23.85 ppb m

9.6.7

6

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37417.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 16:41:33
Operator : andrip
Sample : ic1943-10,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 83 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:44:43 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:40:07 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.638	3.596	49234100	33414530	11.673m	12.929m
	Spiked Amount 40.000			Recovery =		29.18%	32.32%
38) s	DCB	11.381	11.804	31700054	18240823	10.030m	10.907m
	Spiked Amount 40.000			Recovery =		25.07%	27.27%
	Target Compounds						
2)	Hexachlor...	4.240	4.320	44180900	29505101	5.668	7.051
3)	Alpha-BHC	4.499	4.545	44594563	32506805	4.914	6.647 #
4)	Gamma-BHC	4.984	5.087	40710395	29898018	5.075	6.994 #
5)	Beta-BHC	5.116	5.222	17718769	12626362	5.580	7.587 #
6)	Heptachlor	5.694	5.725	39623488	28189868	5.684	7.731m#
7)	Delta-BHC	5.381	5.654	39851483	29530586	5.259	7.356m#
8)	Alachlor	6.359	6.082	34294645	25617674	57.790	80.477 #
9)	Aldrin	6.134	6.189	37359082	27530026	5.027	7.057 #
10)	Heptachlo...	7.003	7.009	32739891	20870720	5.378m	8.721 #
11)	Gamma-Chl...	7.179	7.269	34970166	23925413	5.131	6.973m#
12)	Alpha-Chl...	7.365	7.473	29137884	22474713	6.217	6.834
13)	Endosulfan-I	7.553	7.546	29976486	19883004	5.156	6.567 #
14)	4,4'-DDE	7.482	7.724	27750660	20328227	5.618	6.954
15)	Dieldrin	7.884	7.923	30392117	23071076	5.716m	6.933m
16)	Endrin	8.202	8.337	26999041	18933130	5.553	7.118m#
17)	4,4'-DDD	8.300	8.509	19992492	15146357	4.910	6.585m#
18)	Endosulfa...	8.505	8.626	24543694	18050196	5.324m	6.674m#
19)	4,4'-DDT	8.679	8.928	22354083	16262794	5.352m	6.678
20)	Endrin Al...	9.075	9.085	20319057	13473916	5.397m	6.273m
21)	Endosulfa...	9.663	9.454	21144400	16359176	5.063m	6.482m#
22)	Methoxychlor	9.333	9.864	10331788	6657970	6.225m	9.476m#
23)	Endrin Ke...	10.039	10.170	24651332	16974828	4.911	5.800m

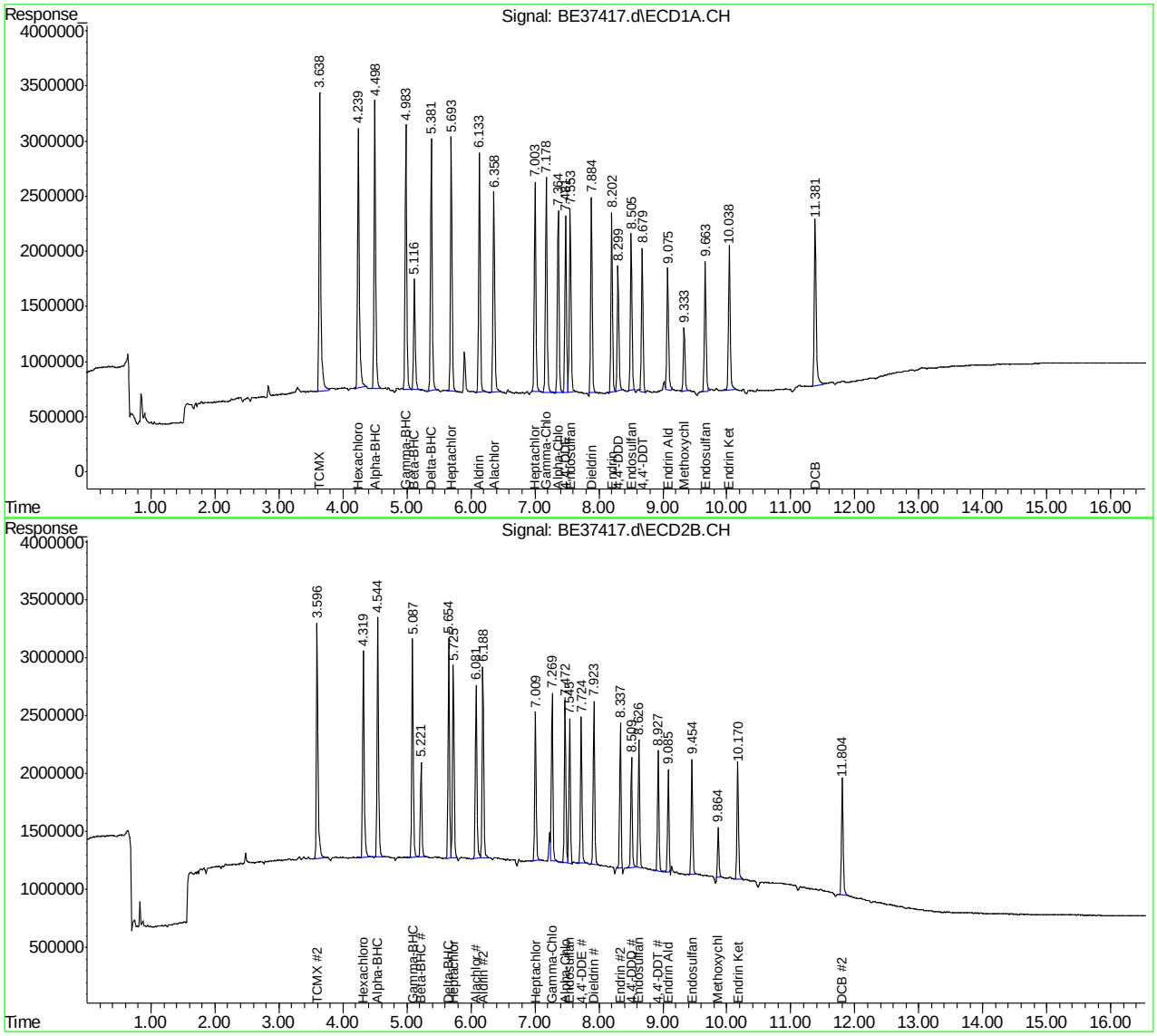
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

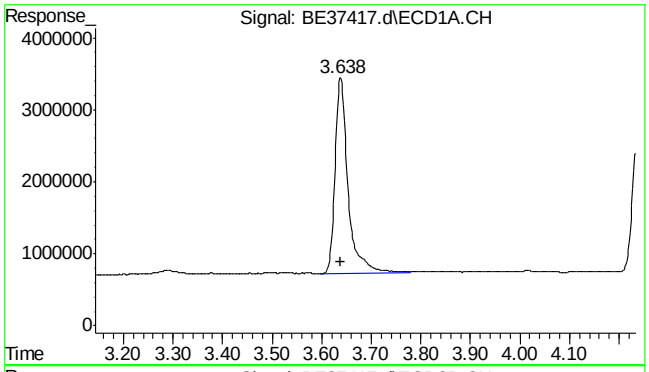
Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37417.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 16:41:33
Operator : andrip
Sample : ic1943-10,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 83 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:44:43 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:40:07 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

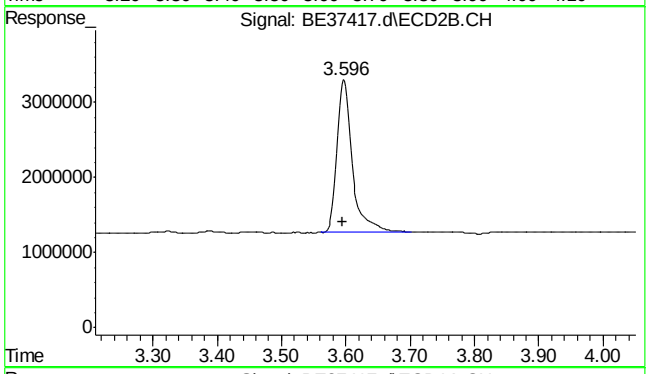


ACCUTEST LABORATORIES MC23456



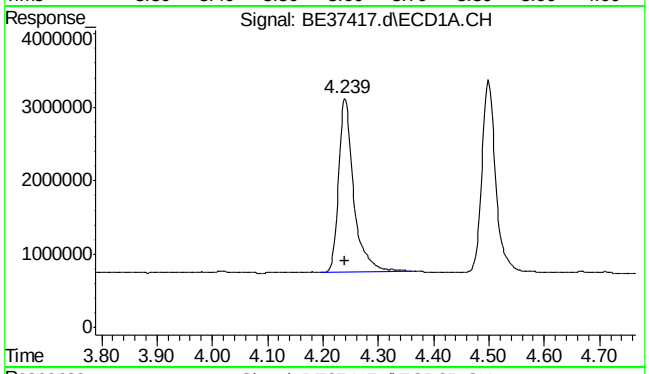
#1 TCMX

R.T.: 3.638 min
Delta R.T.: 0.000 min
Response: 49234100
Conc: 11.67 ppb m



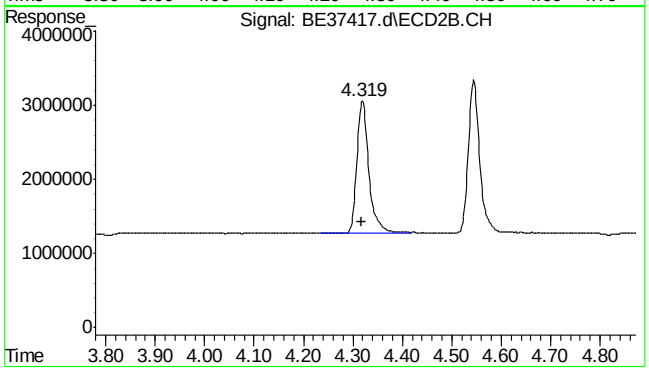
#1 TCMX

R.T.: 3.596 min
Delta R.T.: 0.000 min
Response: 33414530
Conc: 12.93 ppb m



#2 Hexachlorobenzene

R.T.: 4.240 min
Delta R.T.: 0.000 min
Response: 44180900
Conc: 5.67 ppb

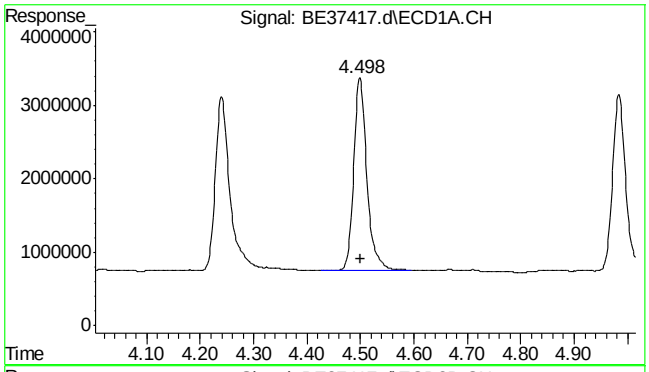


#2 Hexachlorobenzene

R.T.: 4.320 min
Delta R.T.: 0.002 min
Response: 29505101
Conc: 7.05 ppb

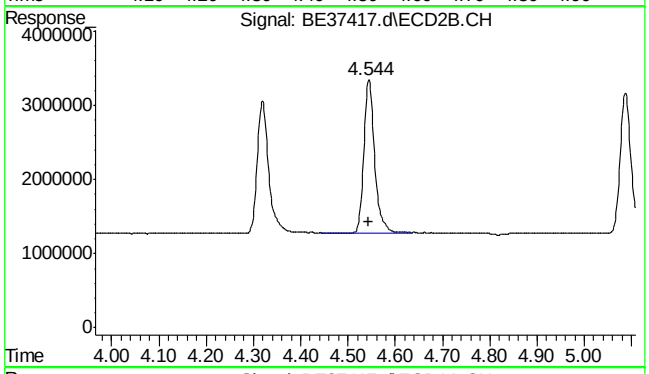
9.6.8

9



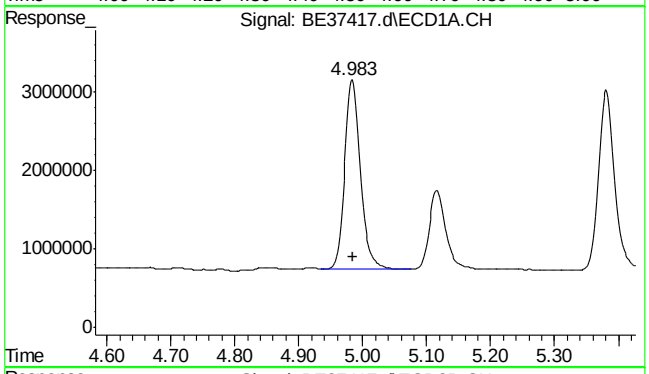
#3 Alpha-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 44594563
Conc: 4.91 ppb



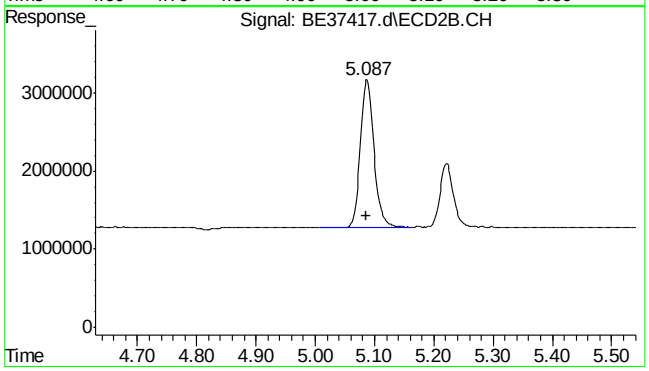
#3 Alpha-BHC

R.T.: 4.545 min
Delta R.T.: 0.001 min
Response: 32506805
Conc: 6.65 ppb



#4 Gamma-BHC

R.T.: 4.984 min
Delta R.T.: 0.000 min
Response: 40710395
Conc: 5.07 ppb

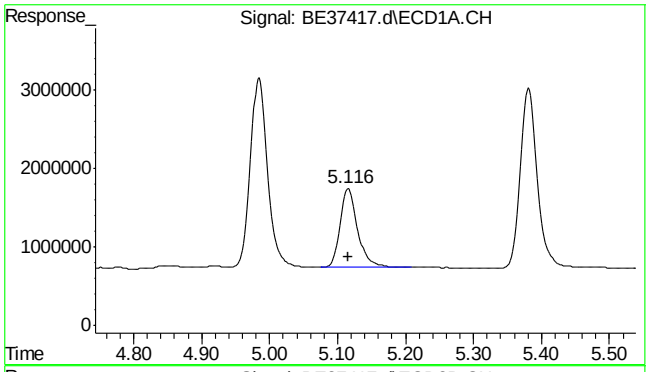


#4 Gamma-BHC

R.T.: 5.087 min
Delta R.T.: 0.001 min
Response: 29898018
Conc: 6.99 ppb

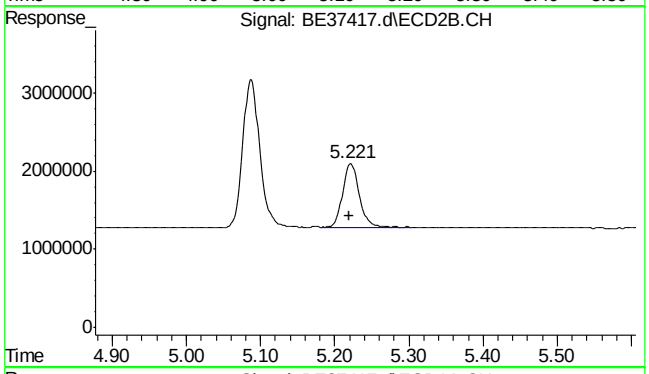
9.6.8

9



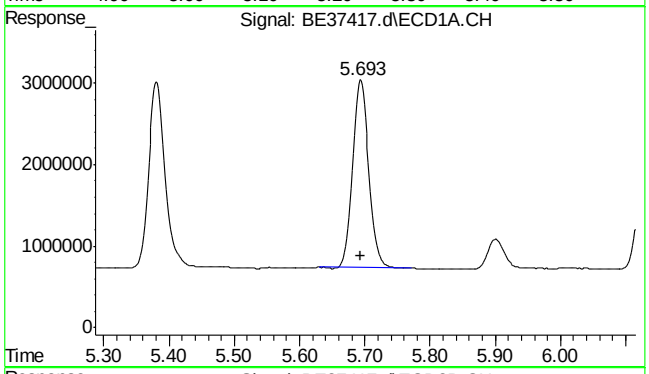
#5 Beta-BHC

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 17718769
Conc: 5.58 ppb



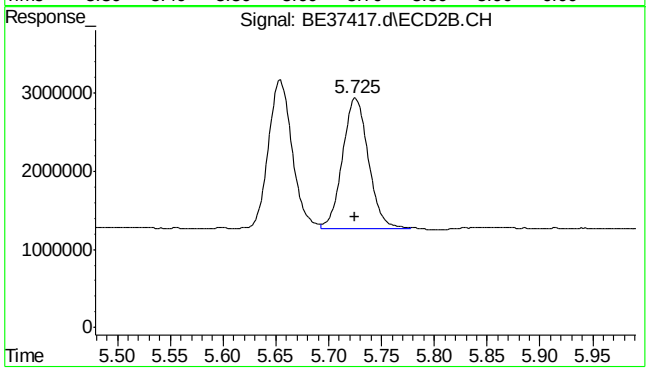
#5 Beta-BHC

R.T.: 5.222 min
Delta R.T.: 0.002 min
Response: 12626362
Conc: 7.59 ppb



#6 Heptachlor

R.T.: 5.694 min
Delta R.T.: 0.000 min
Response: 39623488
Conc: 5.68 ppb

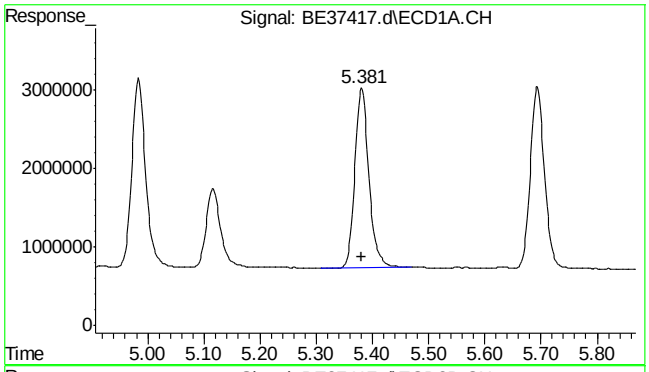


#6 Heptachlor

R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 28189868
Conc: 7.73 ppb m

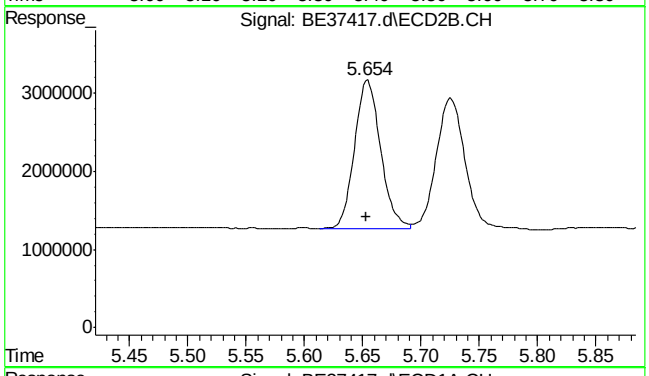
9.6.8

9



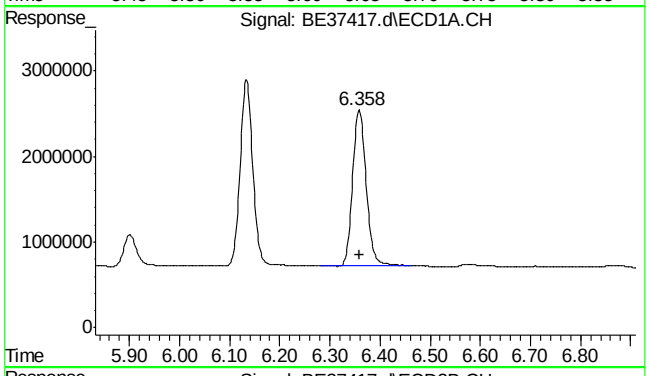
#7 Delta-BHC

R.T.: 5.381 min
Delta R.T.: 0.000 min
Response: 39851483
Conc: 5.26 ppb



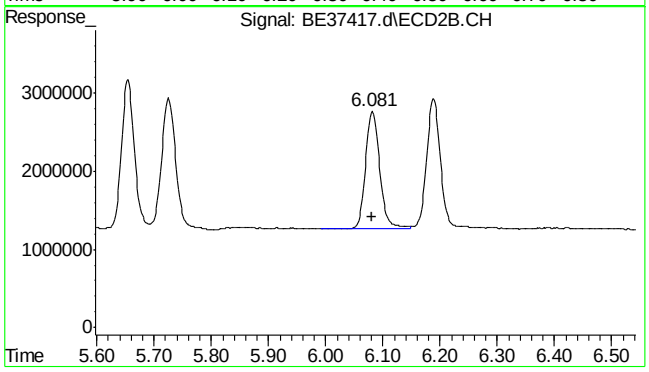
#7 Delta-BHC

R.T.: 5.654 min
Delta R.T.: 0.000 min
Response: 29530586
Conc: 7.36 ppb m



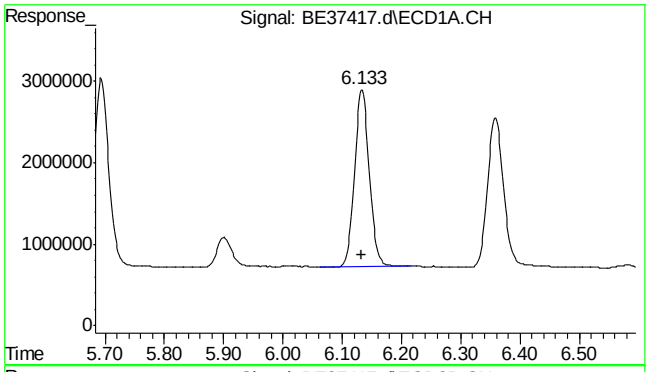
#8 Alachlor

R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 34294645
Conc: 57.79 ppb



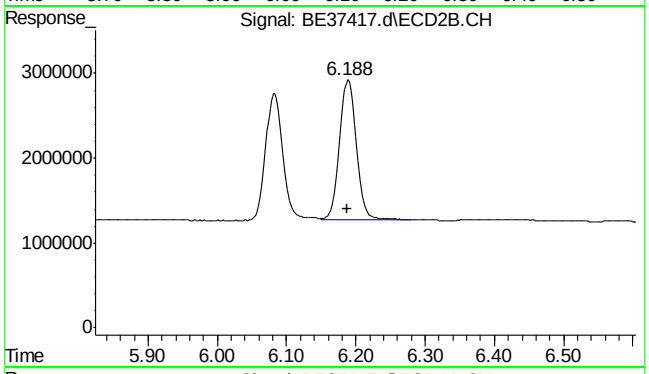
#8 Alachlor

R.T.: 6.082 min
Delta R.T.: 0.002 min
Response: 25617674
Conc: 80.48 ppb



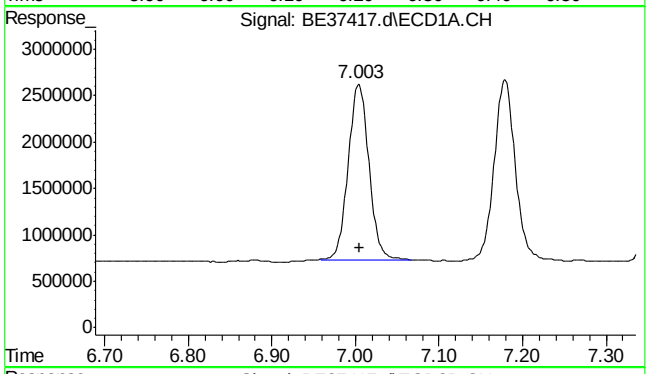
#9 Aldrin

R.T.: 6.134 min
Delta R.T.: 0.000 min
Response: 37359082
Conc: 5.03 ppb



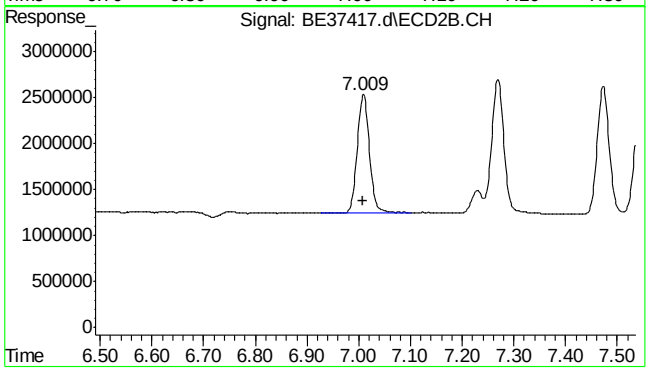
#9 Aldrin

R.T.: 6.189 min
Delta R.T.: 0.001 min
Response: 27530026
Conc: 7.06 ppb



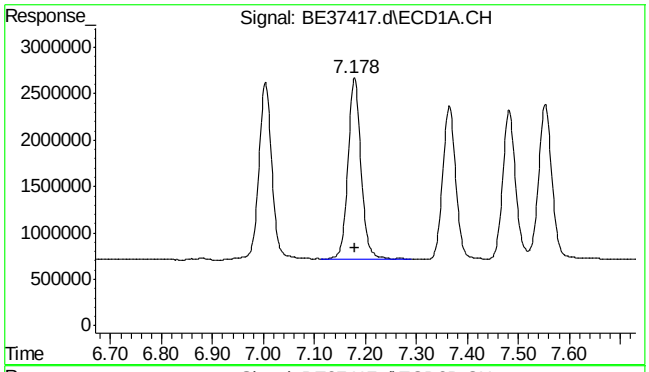
#10 Heptachlor Epoxide

R.T.: 7.003 min
Delta R.T.: -0.001 min
Response: 32739891
Conc: 5.38 ppb m



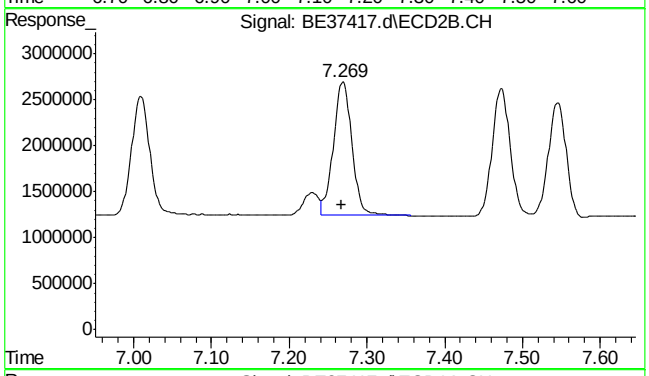
#10 Heptachlor Epoxide

R.T.: 7.009 min
Delta R.T.: 0.002 min
Response: 20870720
Conc: 8.72 ppb



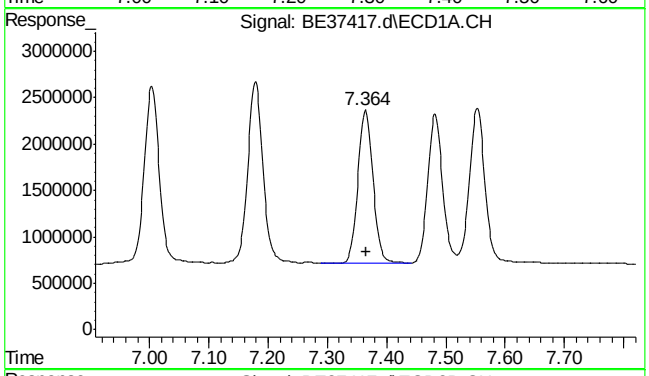
#11 Gamma-Chlordane

R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 34970166
Conc: 5.13 ppb



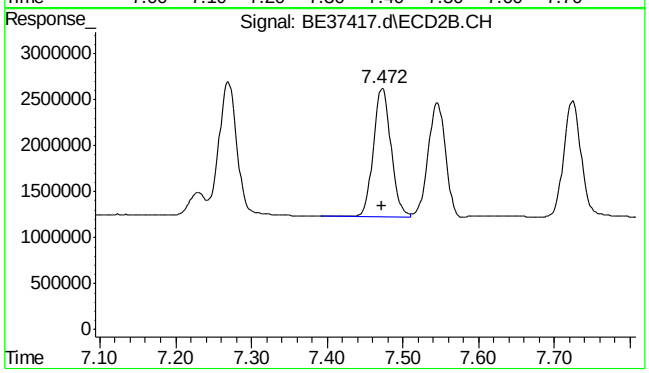
#11 Gamma-Chlordane

R.T.: 7.269 min
Delta R.T.: 0.000 min
Response: 23925413
Conc: 6.97 ppb m



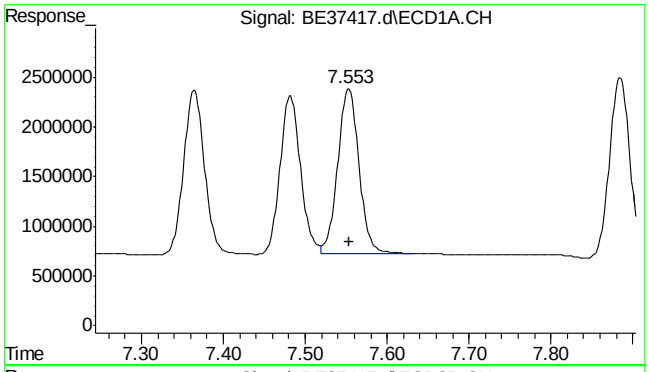
#12 Alpha-Chlordane

R.T.: 7.365 min
Delta R.T.: -0.001 min
Response: 29137884
Conc: 6.22 ppb



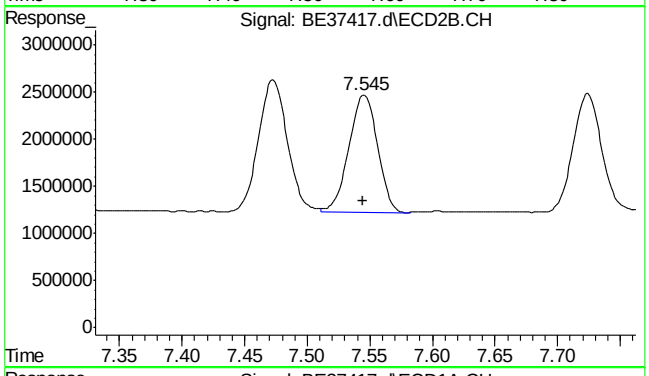
#12 Alpha-Chlordane

R.T.: 7.473 min
Delta R.T.: 0.001 min
Response: 22474713
Conc: 6.83 ppb



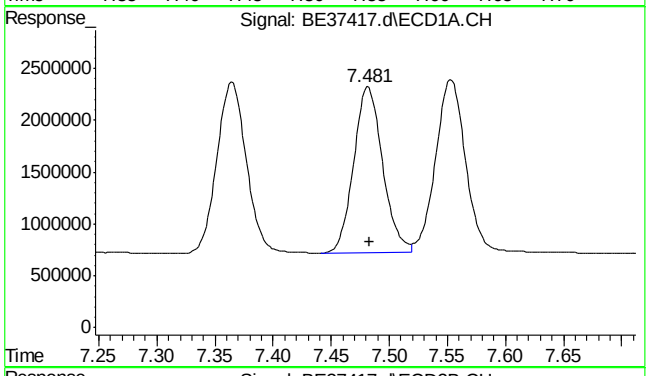
#13 Endosulfan-I

R.T.: 7.553 min
Delta R.T.: 0.000 min
Response: 29976486
Conc: 5.16 ppb



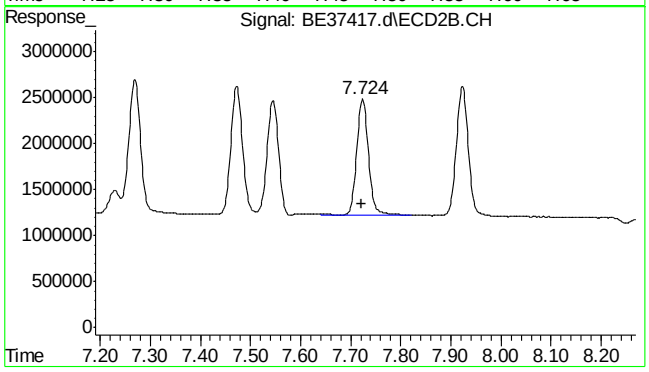
#13 Endosulfan-I

R.T.: 7.546 min
Delta R.T.: 0.001 min
Response: 19883004
Conc: 6.57 ppb



#14 4,4'-DDE

R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 27750660
Conc: 5.62 ppb

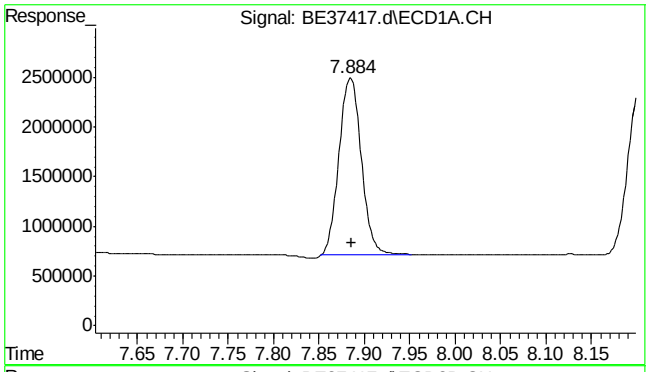


#14 4,4'-DDE

R.T.: 7.724 min
Delta R.T.: 0.001 min
Response: 20328227
Conc: 6.95 ppb

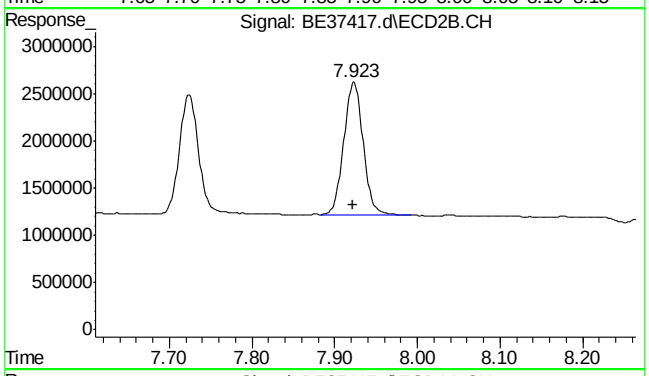
9.6.8

9



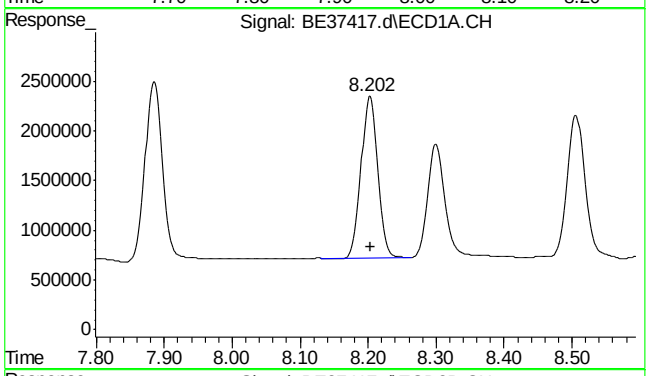
#15 Dieldrin

R.T.: 7.884 min
Delta R.T.: -0.001 min
Response: 30392117
Conc: 5.72 ppb m



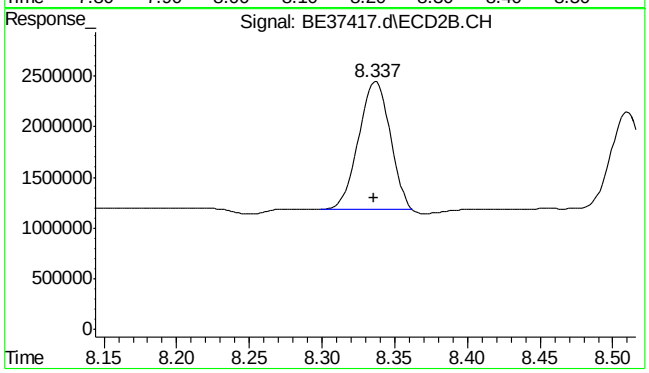
#15 Dieldrin

R.T.: 7.923 min
Delta R.T.: 0.001 min
Response: 23071076
Conc: 6.93 ppb m



#16 Endrin

R.T.: 8.202 min
Delta R.T.: -0.001 min
Response: 26999041
Conc: 5.55 ppb

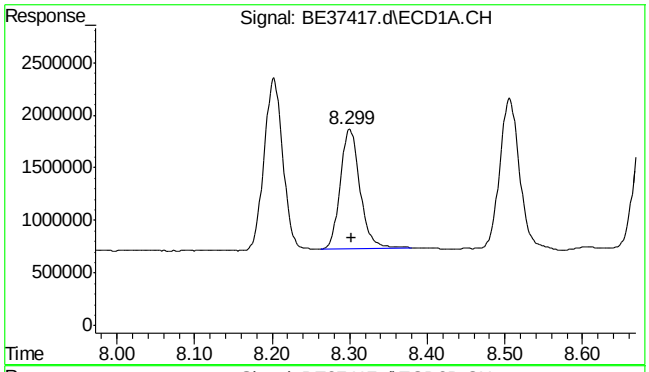


#16 Endrin

R.T.: 8.337 min
Delta R.T.: 0.000 min
Response: 18933130
Conc: 7.12 ppb m

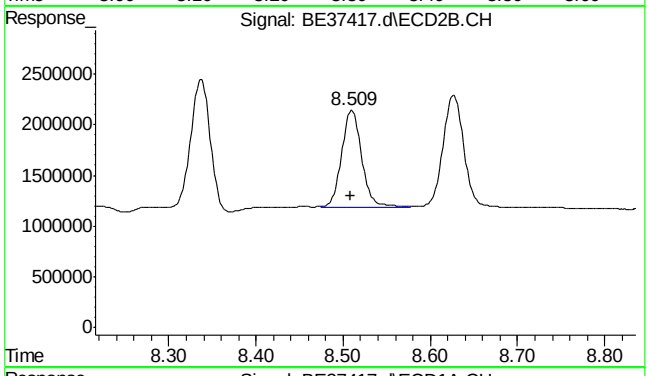
9.6.8

9



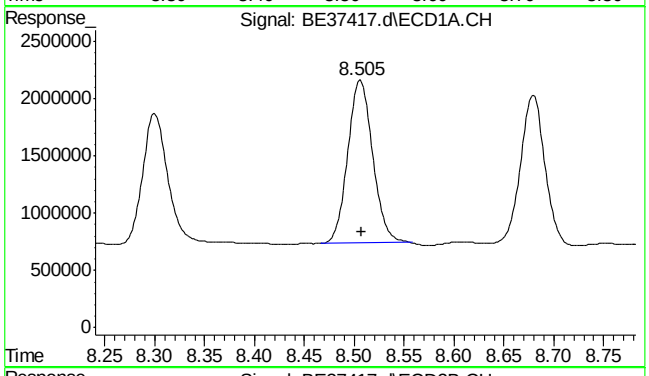
#17 4,4'-DDD

R.T.: 8.300 min
Delta R.T.: -0.002 min
Response: 19992492
Conc: 4.91 ppb



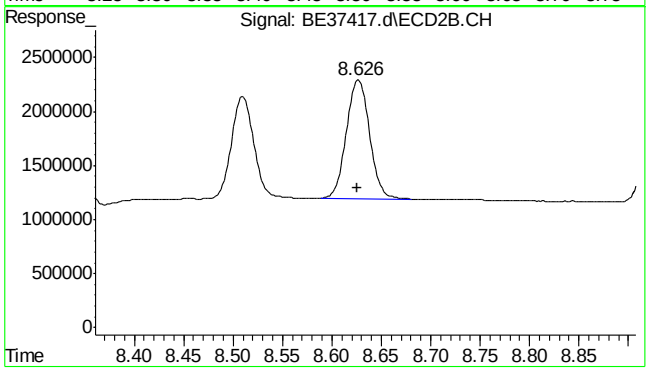
#17 4,4'-DDD

R.T.: 8.509 min
Delta R.T.: 0.001 min
Response: 15146357
Conc: 6.58 ppb m



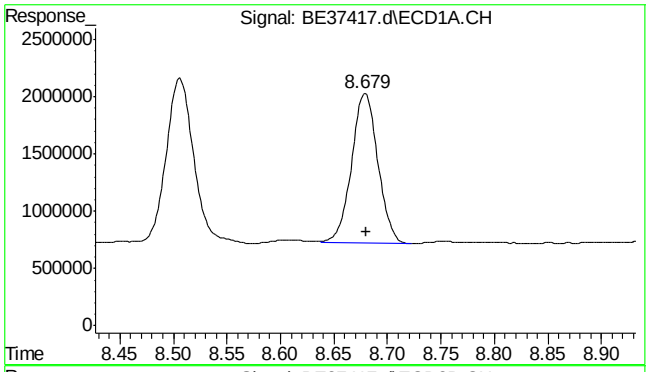
#18 Endosulfan-II

R.T.: 8.505 min
Delta R.T.: -0.002 min
Response: 24543694
Conc: 5.32 ppb m



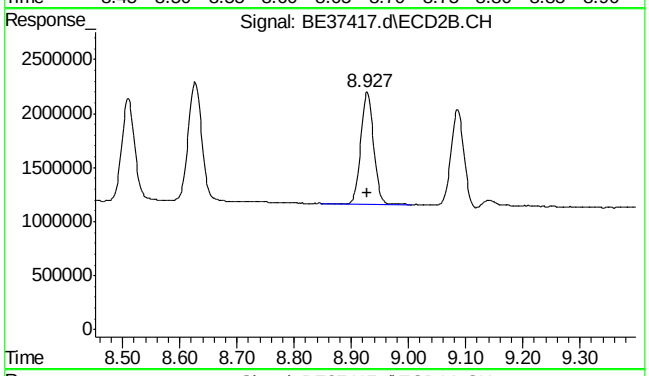
#18 Endosulfan-II

R.T.: 8.626 min
Delta R.T.: 0.000 min
Response: 18050196
Conc: 6.67 ppb m



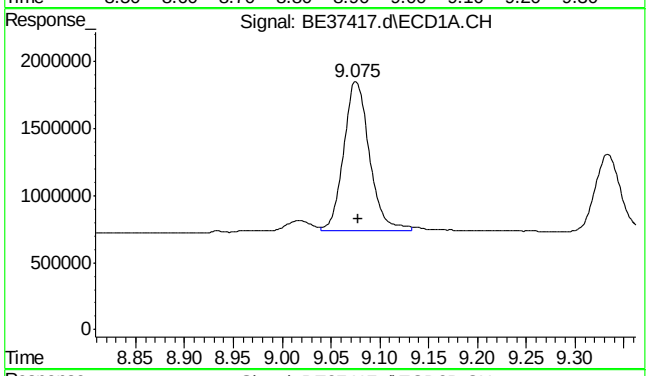
#19 4,4'-DDT

R.T.: 8.679 min
Delta R.T.: -0.002 min
Response: 22354083
Conc: 5.35 ppb m



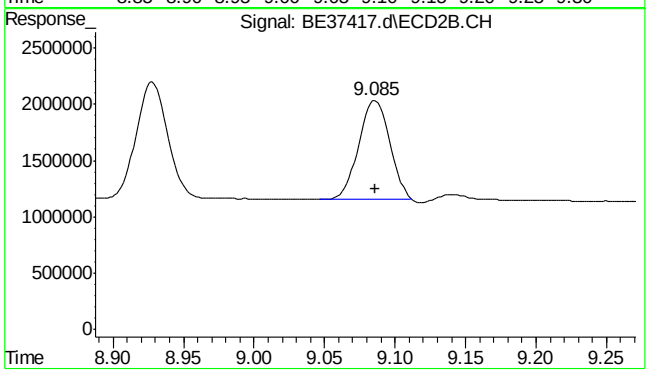
#19 4,4'-DDT

R.T.: 8.928 min
Delta R.T.: 0.000 min
Response: 16262794
Conc: 6.68 ppb



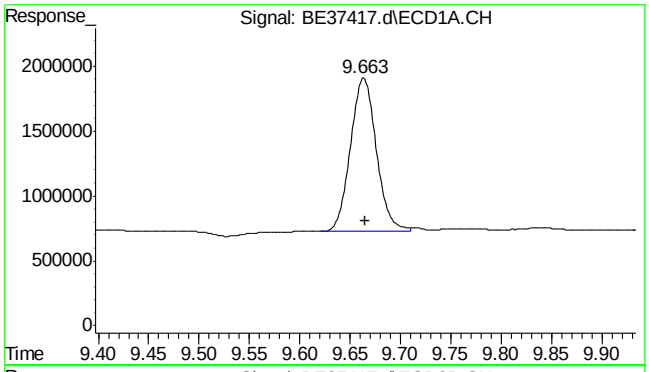
#20 Endrin Aldehyde

R.T.: 9.075 min
Delta R.T.: -0.003 min
Response: 20319057
Conc: 5.40 ppb m



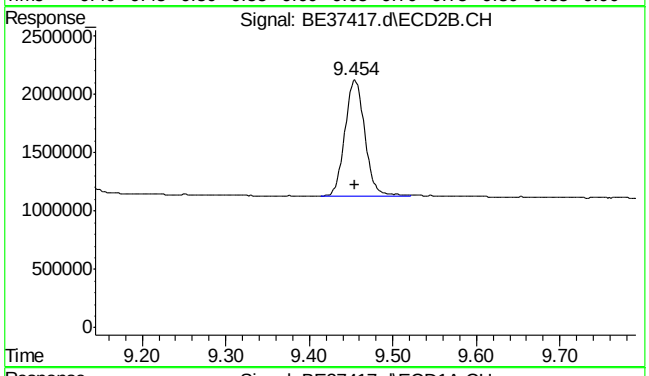
#20 Endrin Aldehyde

R.T.: 9.085 min
Delta R.T.: 0.000 min
Response: 13473916
Conc: 6.27 ppb m



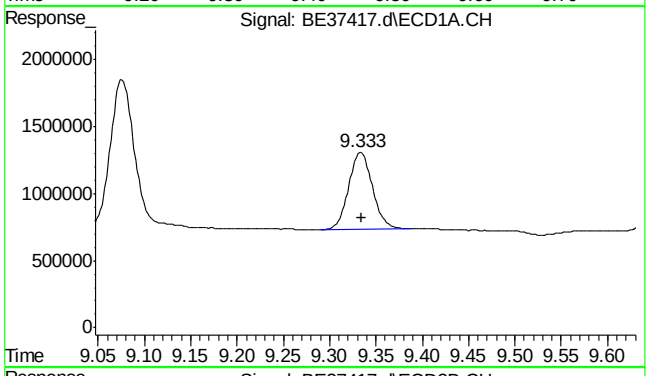
#21 Endosulfan Sulfate

R.T.: 9.663 min
Delta R.T.: -0.002 min
Response: 21144400
Conc: 5.06 ppb m



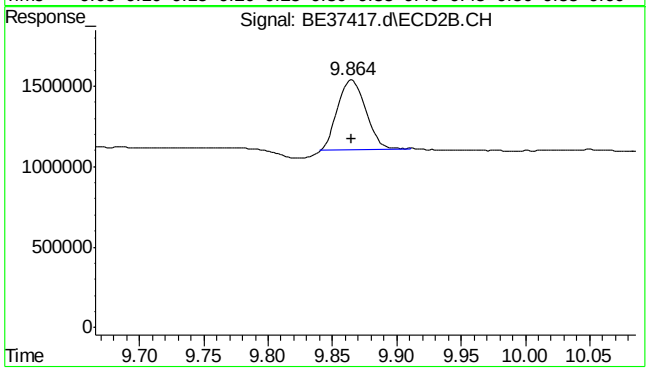
#21 Endosulfan Sulfate

R.T.: 9.454 min
Delta R.T.: 0.000 min
Response: 16359176
Conc: 6.48 ppb m



#22 Methoxychlor

R.T.: 9.333 min
Delta R.T.: -0.002 min
Response: 10331788
Conc: 6.23 ppb m

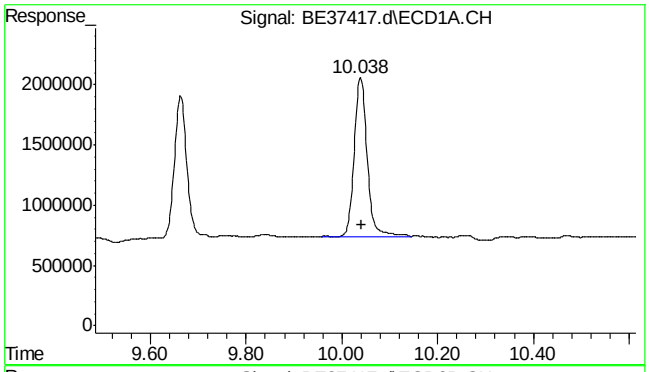


#22 Methoxychlor

R.T.: 9.864 min
Delta R.T.: 0.000 min
Response: 6657970
Conc: 9.48 ppb m

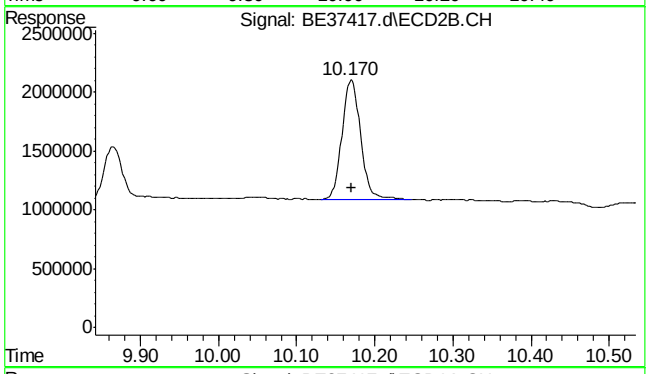
9.6.8

6



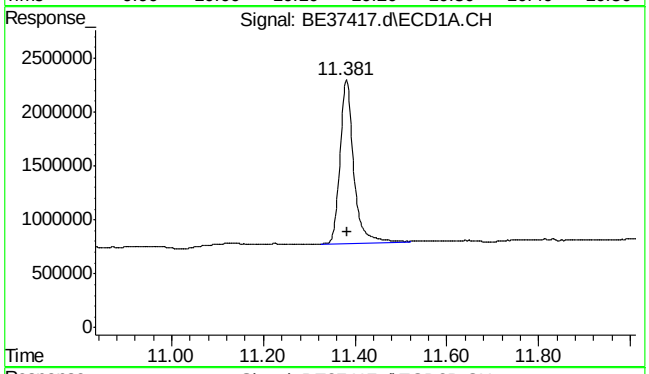
#23 Endrin Ketone

R.T.: 10.039 min
Delta R.T.: -0.002 min
Response: 24651332
Conc: 4.91 ppb



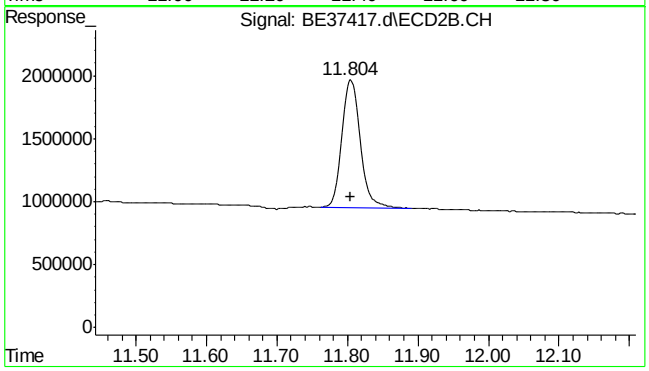
#23 Endrin Ketone

R.T.: 10.170 min
Delta R.T.: 0.000 min
Response: 16974828
Conc: 5.80 ppb m



#38 DCB

R.T.: 11.381 min
Delta R.T.: 0.000 min
Response: 31700054
Conc: 10.03 ppb m



#38 DCB

R.T.: 11.804 min
Delta R.T.: 0.000 min
Response: 18240823
Conc: 10.91 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37418.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 17:03:05
Operator : andrip
Sample : ic1943-5,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 84 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:52:37 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:44:51 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.639	3.596	18063287	13437371	6.105	6.507m
	Spiked Amount 40.000			Recovery	=	15.26%	16.27%
38) s	DCB	11.380	11.804	13416157	7566243	5.931m	6.326m
	Spiked Amount 40.000			Recovery	=	14.83%	15.81%
	Target Compounds						
2)	Hexachlor...	4.240	4.319	24319812	17135748	4.612	5.301
3)	Alpha-BHC	4.499	4.545	23934914	18979725	3.965	5.061 #
4)	Gamma-BHC	4.983	5.087	22006744	17608753	4.116	5.284 #
5)	Beta-BHC	5.116	5.221	9781600	7476240	4.507	5.595
6)	Heptachlor	5.694	5.725	21909560	16730075	4.570	5.797 #
7)	Delta-BHC	5.380	5.654	21872567	17386068	4.217m	5.449 #
8)	Alachlor	6.358	6.082	20281635	15647289	50.337	65.679 #
9)	Aldrin	6.132	6.189	20986735	15867631	4.251m	5.384 #
10)	Heptachlo...	7.003	7.009	18390675	11964479	4.533	5.987 #
11)	Gamma-Chl...	7.178	7.269	18579058	14273557	4.095	5.584 #
12)	Alpha-Chl...	7.363	7.473	16069419	13169991	4.534	5.349
13)	Endosulfan-I	7.553	7.545	16710684	12231881	4.452	5.442
14)	4,4'-DDE	7.482	7.724	15346015	11893878	4.352	5.372
15)	Dieldrin	7.883	7.923	17738920	14128508	5.055m	5.717
16)	Endrin	8.201	8.336	14837444	11984443	4.338	5.874m#
17)	4,4'-DDD	8.300	8.510	11268985	9141865	4.050	5.365 #
18)	Endosulfa...	8.505	8.626	14089026	10653380	4.482m	5.409
19)	4,4'-DDT	8.678	8.928	12938656	9617657	4.411m	5.339
20)	Endrin Al...	9.075	9.085	11488672	8477599	4.463m	5.423m
21)	Endosulfa...	9.663	9.453	12569818	9987467	4.516m	5.590m
22)	Methoxychlor	9.332	9.864	6227805	4029377	5.024m	6.625m#
23)	Endrin Ke...	10.039	10.169	13893229	10112305	4.253m	5.074m

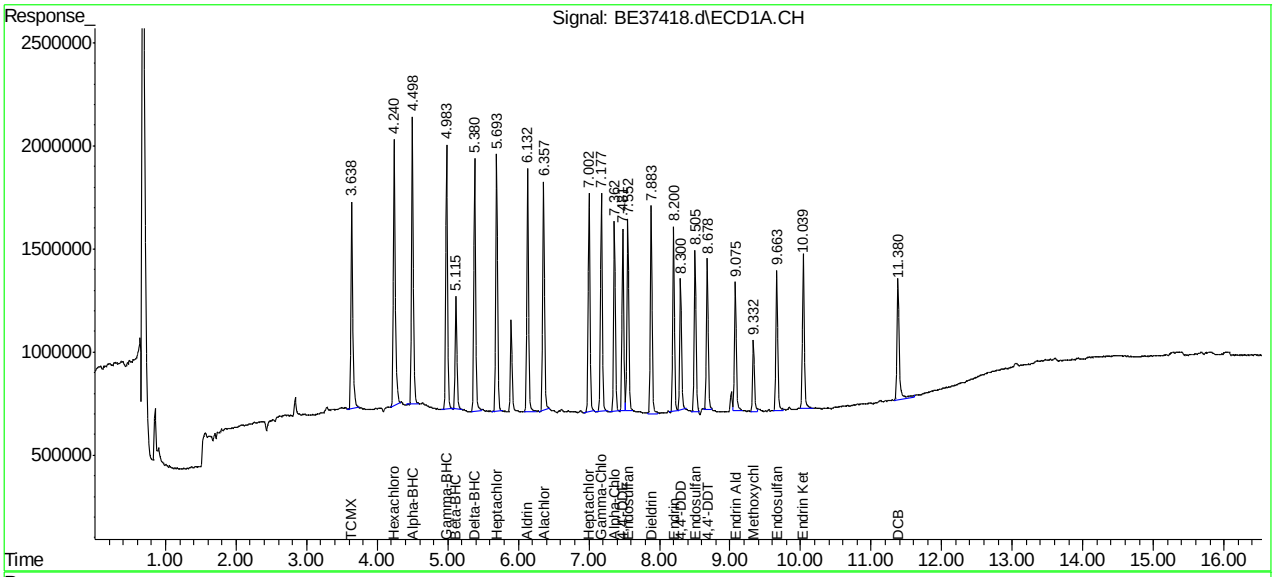
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

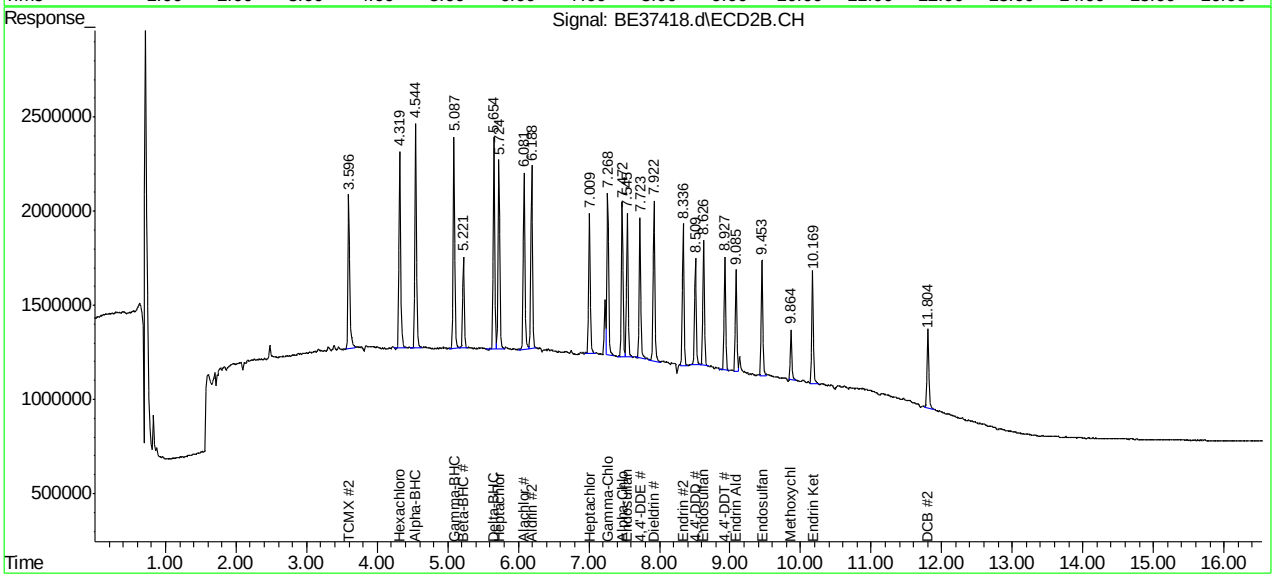
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37418.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 17:03:05
Operator : andrip
Sample : ic1943-5,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 84 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

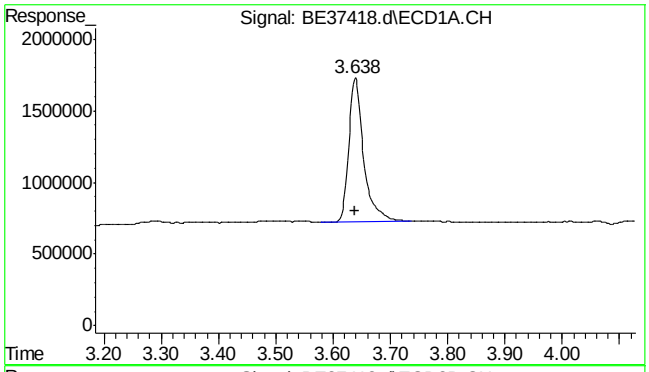
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:52:37 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:44:51 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



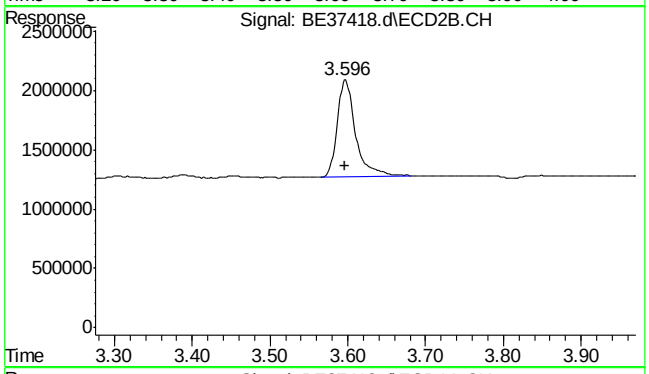


ACCUTEST LABORATORIES MC23456



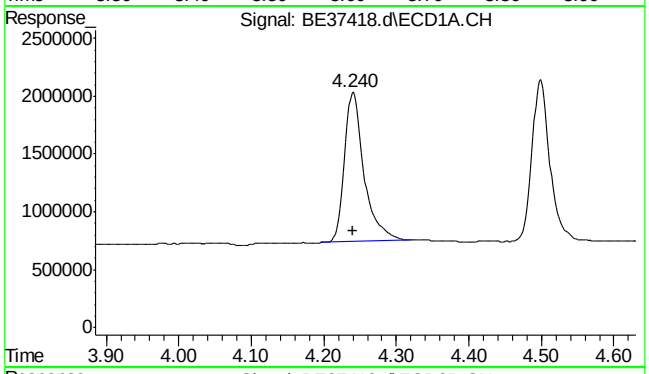
#1 TCMX

R.T.: 3.639 min
Delta R.T.: 0.001 min
Response: 18063287
Conc: 6.11 ppb



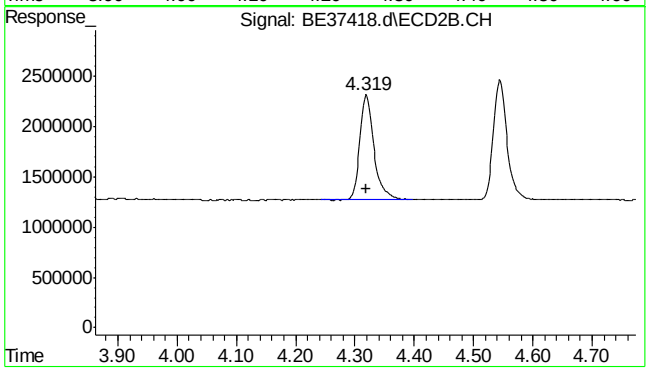
#1 TCMX

R.T.: 3.596 min
Delta R.T.: 0.000 min
Response: 13437371
Conc: 6.51 ppb m



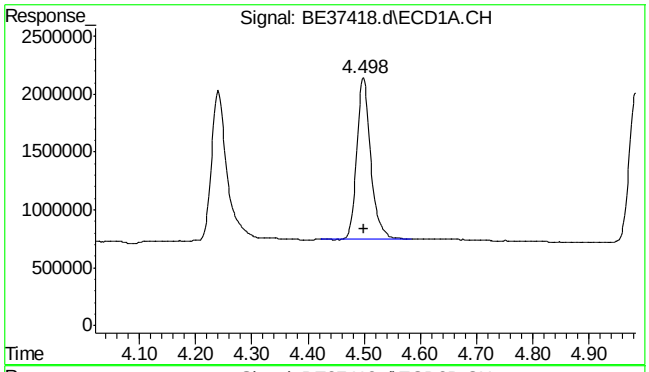
#2 Hexachlorobenzene

R.T.: 4.240 min
Delta R.T.: 0.000 min
Response: 24319812
Conc: 4.61 ppb



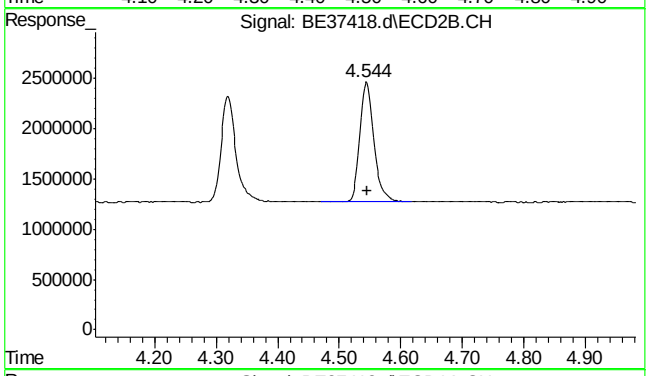
#2 Hexachlorobenzene

R.T.: 4.319 min
Delta R.T.: 0.000 min
Response: 17135748
Conc: 5.30 ppb



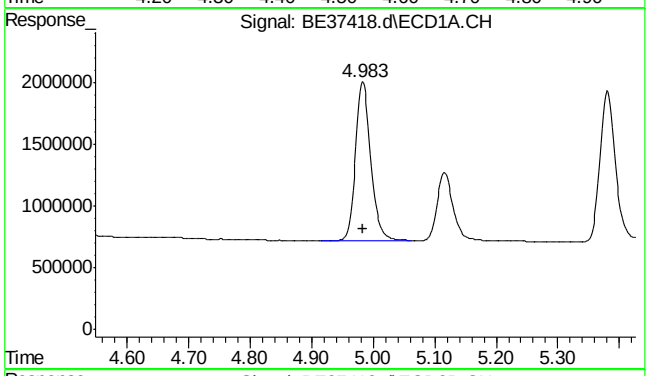
#3 Alpha-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 23934914
Conc: 3.97 ppb



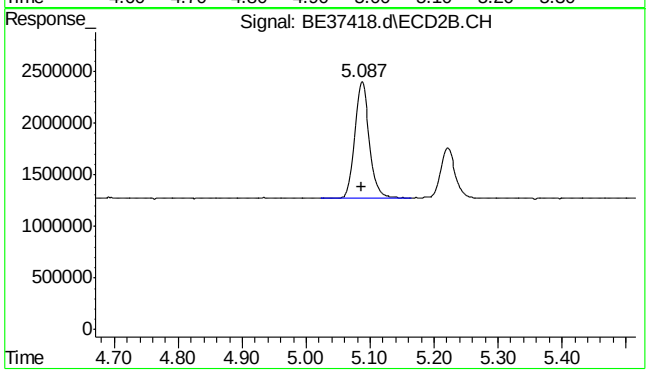
#3 Alpha-BHC

R.T.: 4.545 min
Delta R.T.: 0.000 min
Response: 18979725
Conc: 5.06 ppb



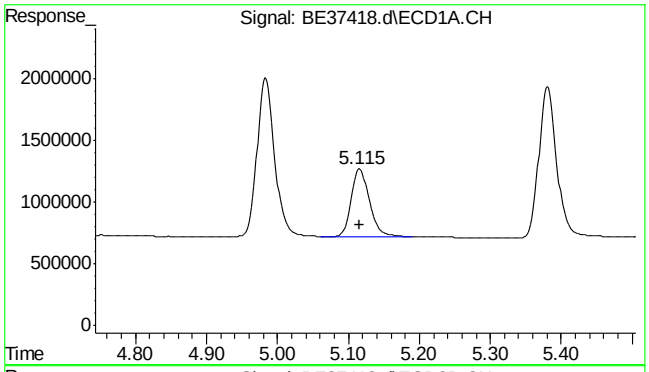
#4 Gamma-BHC

R.T.: 4.983 min
Delta R.T.: 0.000 min
Response: 22006744
Conc: 4.12 ppb



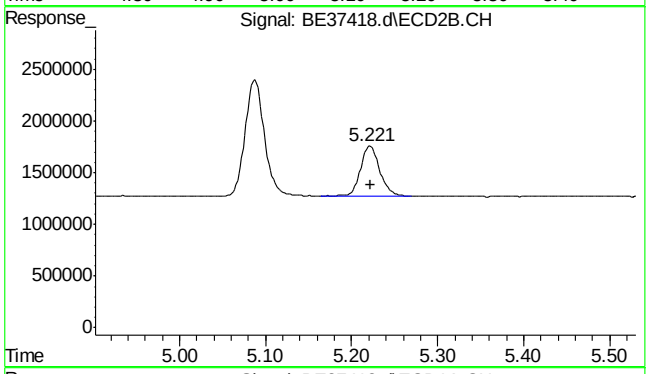
#4 Gamma-BHC

R.T.: 5.087 min
Delta R.T.: 0.000 min
Response: 17608753
Conc: 5.28 ppb



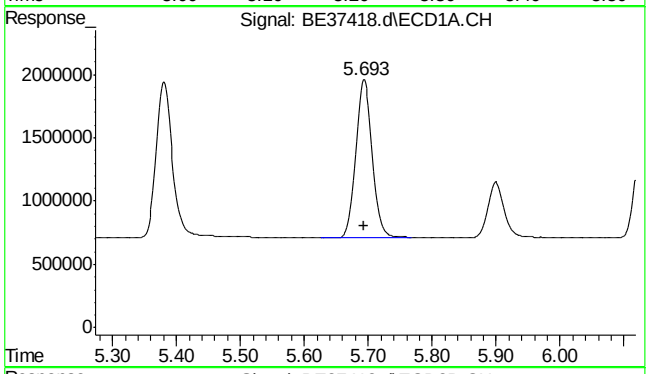
#5 Beta-BHC

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 9781600
Conc: 4.51 ppb



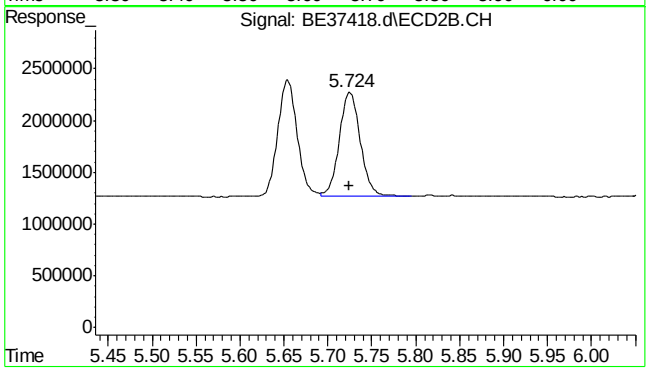
#5 Beta-BHC

R.T.: 5.221 min
Delta R.T.: 0.000 min
Response: 7476240
Conc: 5.59 ppb



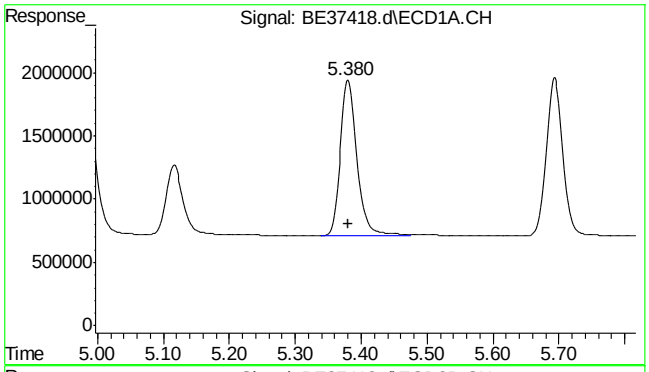
#6 Heptachlor

R.T.: 5.694 min
Delta R.T.: 0.000 min
Response: 21909560
Conc: 4.57 ppb



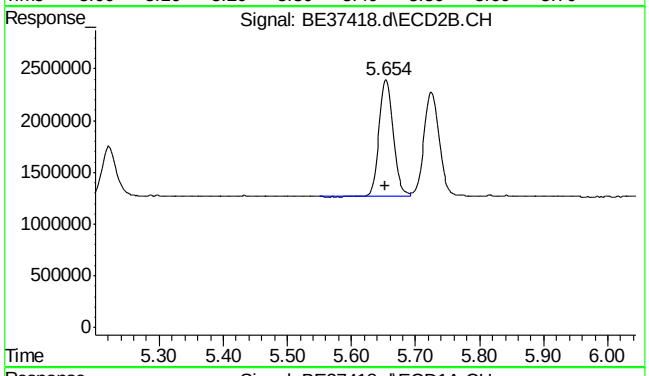
#6 Heptachlor

R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 16730075
Conc: 5.80 ppb



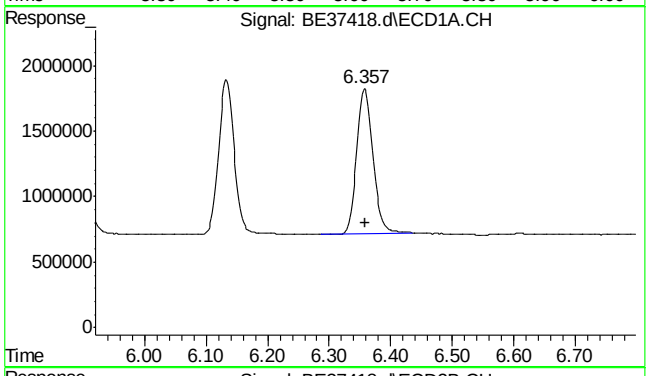
#7 Delta-BHC

R.T.: 5.380 min
Delta R.T.: -0.001 min
Response: 21872567
Conc: 4.22 ppb m



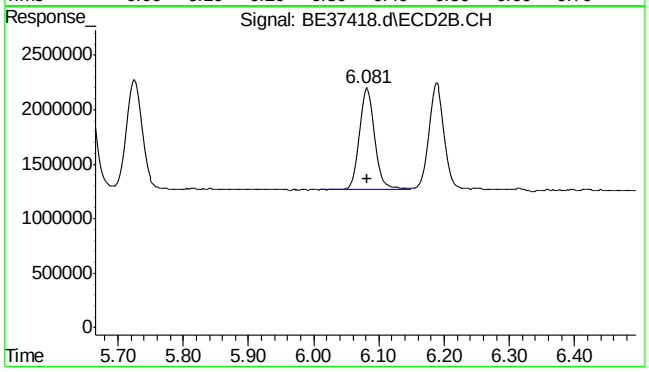
#7 Delta-BHC

R.T.: 5.654 min
Delta R.T.: 0.000 min
Response: 17386068
Conc: 5.45 ppb



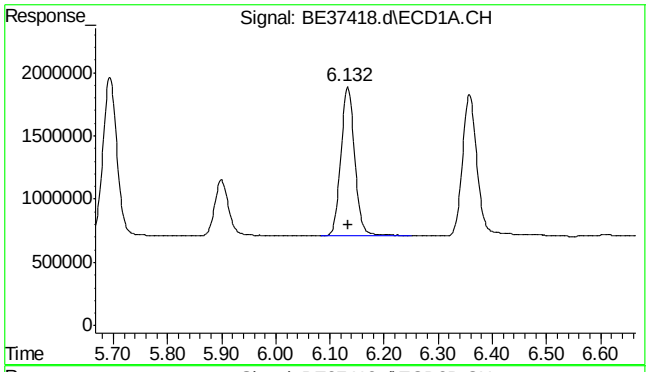
#8 Alachlor

R.T.: 6.358 min
Delta R.T.: 0.000 min
Response: 20281635
Conc: 50.34 ppb



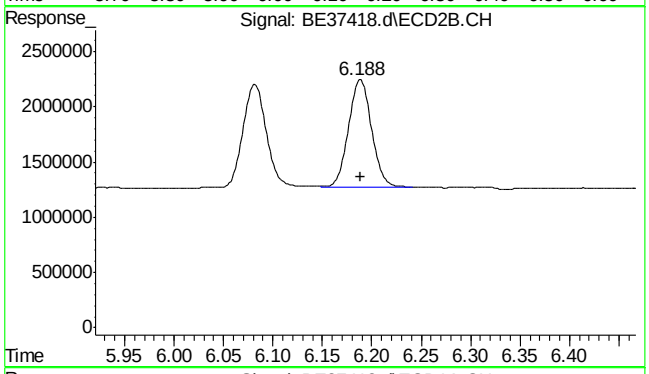
#8 Alachlor

R.T.: 6.082 min
Delta R.T.: 0.000 min
Response: 15647289
Conc: 65.68 ppb



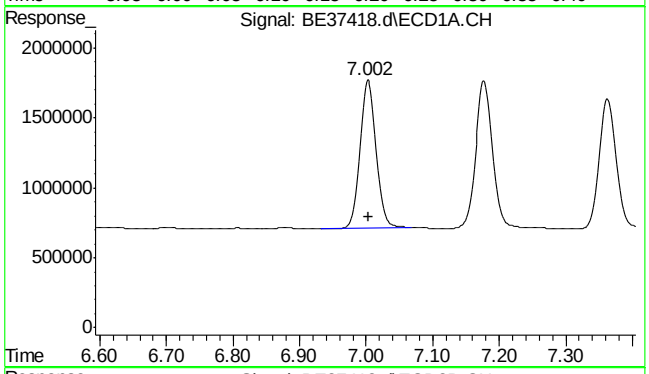
#9 Aldrin

R.T.: 6.132 min
Delta R.T.: -0.001 min
Response: 20986735
Conc: 4.25 ppb m



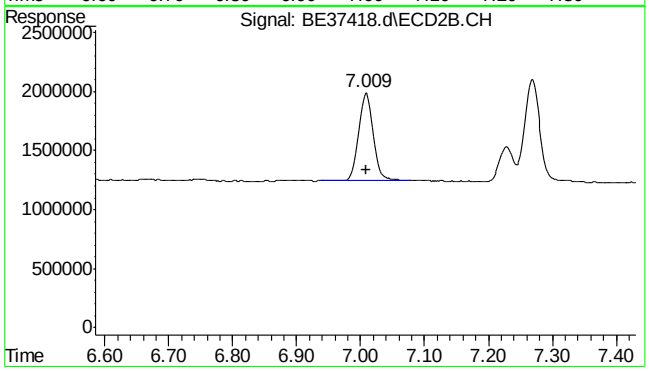
#9 Aldrin

R.T.: 6.189 min
Delta R.T.: 0.000 min
Response: 15867631
Conc: 5.38 ppb



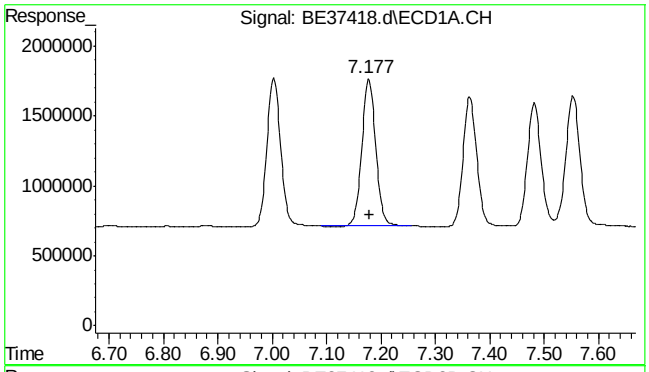
#10 Heptachlor Epoxide

R.T.: 7.003 min
Delta R.T.: 0.000 min
Response: 18390675
Conc: 4.53 ppb



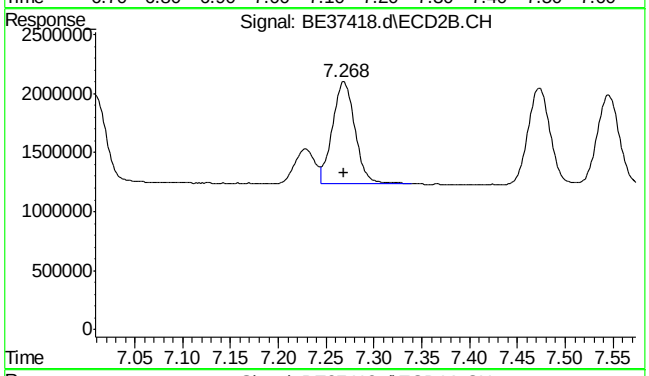
#10 Heptachlor Epoxide

R.T.: 7.009 min
Delta R.T.: 0.000 min
Response: 11964479
Conc: 5.99 ppb



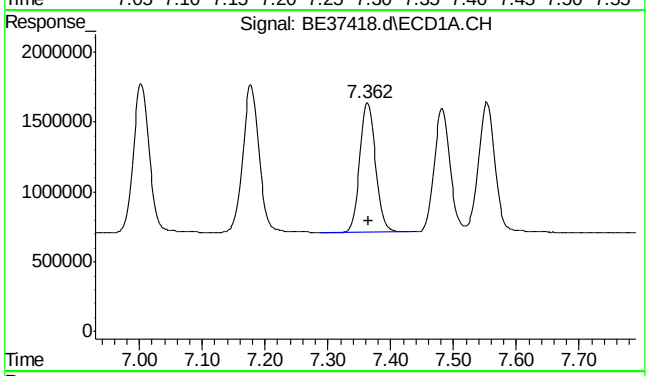
#11 Gamma-Chlordane

R.T.: 7.178 min
Delta R.T.: -0.001 min
Response: 18579058
Conc: 4.09 ppb



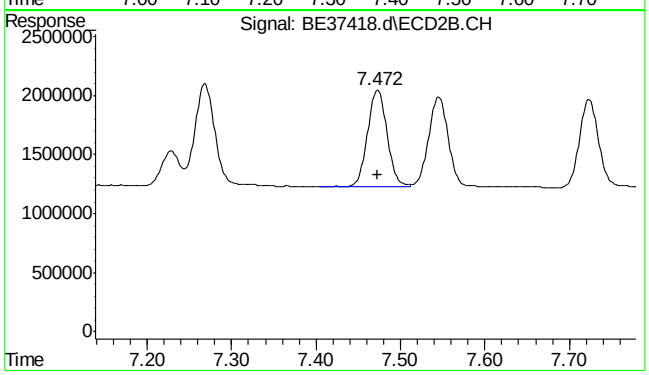
#11 Gamma-Chlordane

R.T.: 7.269 min
Delta R.T.: 0.000 min
Response: 14273557
Conc: 5.58 ppb



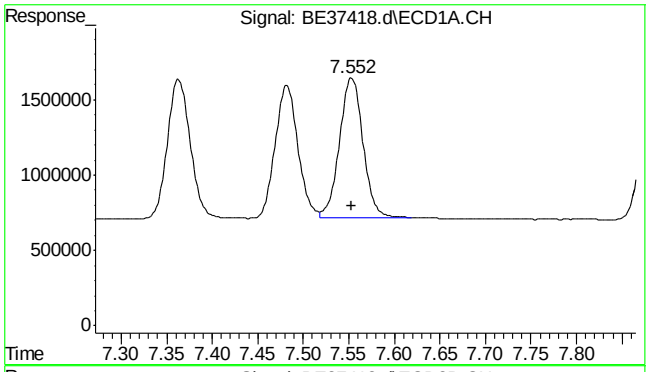
#12 Alpha-Chlordane

R.T.: 7.363 min
Delta R.T.: -0.002 min
Response: 16069419
Conc: 4.53 ppb



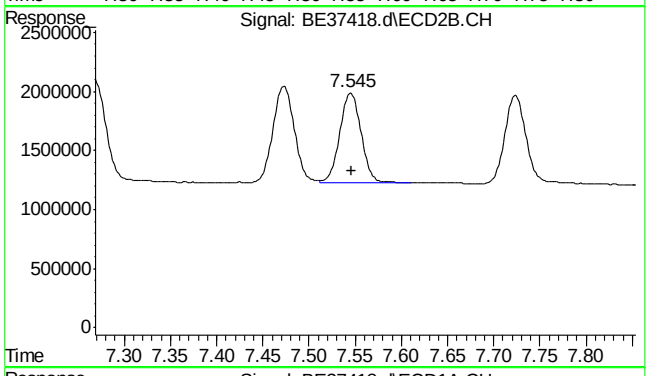
#12 Alpha-Chlordane

R.T.: 7.473 min
Delta R.T.: 0.000 min
Response: 13169991
Conc: 5.35 ppb



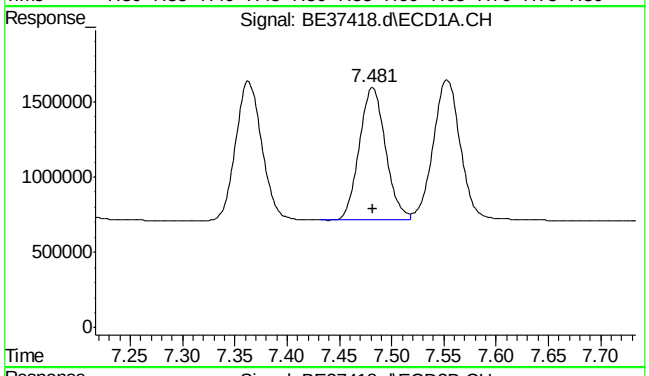
#13 Endosulfan-I

R.T.: 7.553 min
Delta R.T.: 0.000 min
Response: 16710684
Conc: 4.45 ppb



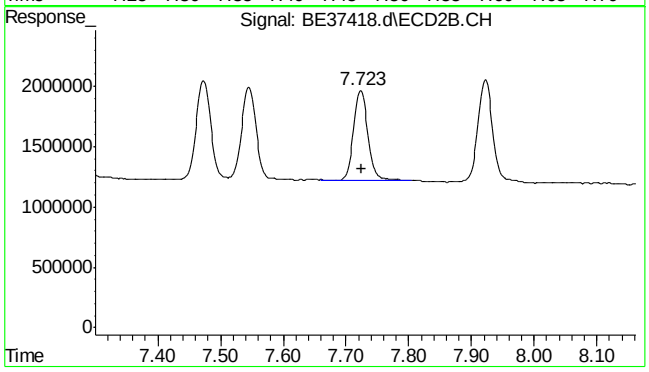
#13 Endosulfan-I

R.T.: 7.545 min
Delta R.T.: 0.000 min
Response: 12231881
Conc: 5.44 ppb



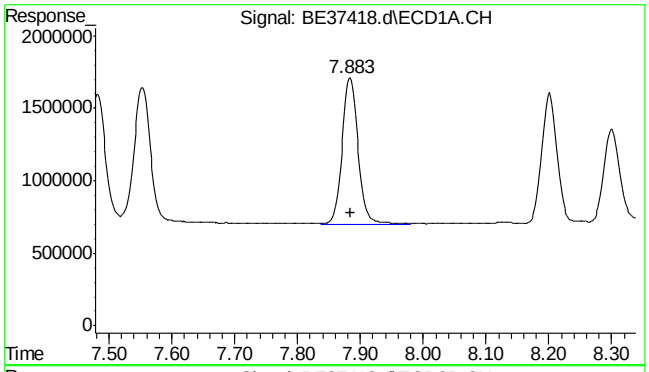
#14 4,4'-DDE

R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 15346015
Conc: 4.35 ppb



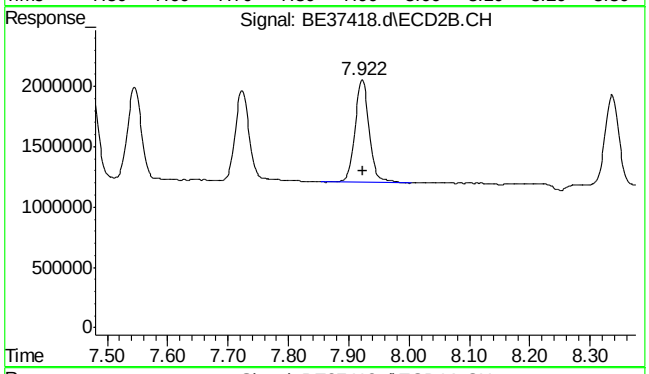
#14 4,4'-DDE

R.T.: 7.724 min
Delta R.T.: 0.000 min
Response: 11893878
Conc: 5.37 ppb



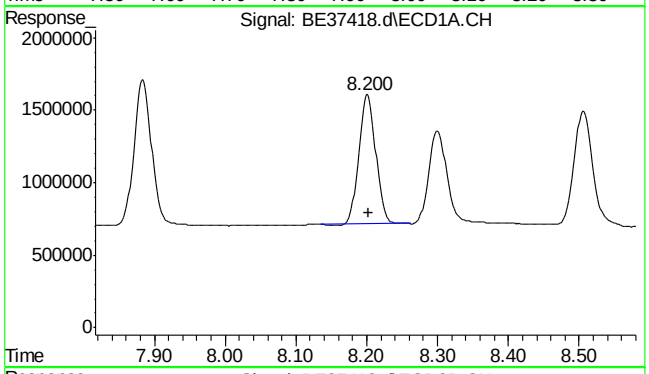
#15 Dieldrin

R.T.: 7.883 min
Delta R.T.: -0.001 min
Response: 17738920
Conc: 5.06 ppb m



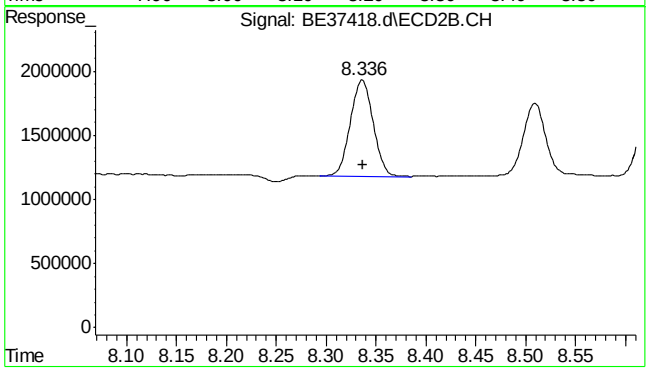
#15 Dieldrin

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 14128508
Conc: 5.72 ppb



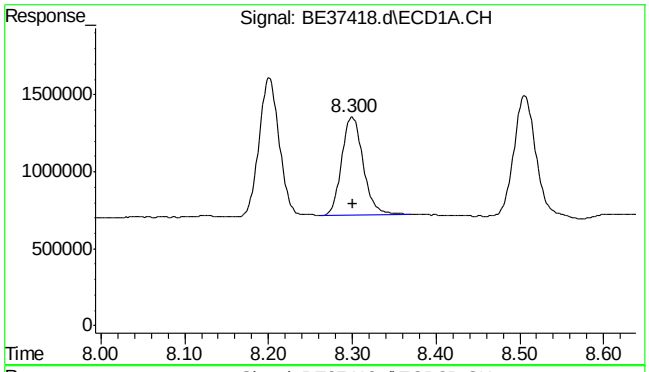
#16 Endrin

R.T.: 8.201 min
Delta R.T.: 0.000 min
Response: 14837444
Conc: 4.34 ppb



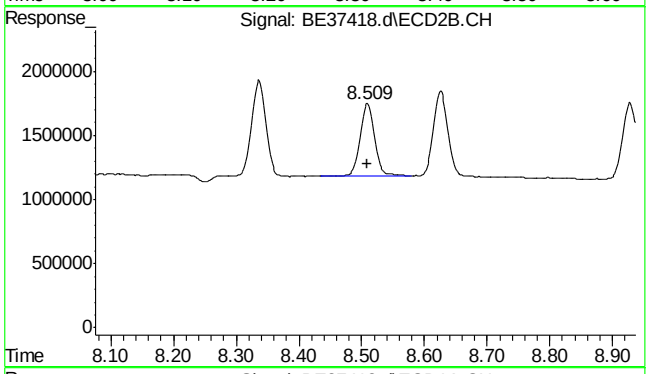
#16 Endrin

R.T.: 8.336 min
Delta R.T.: 0.000 min
Response: 11984443
Conc: 5.87 ppb m



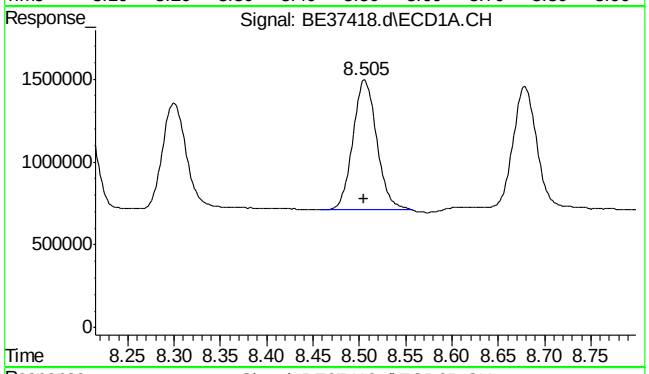
#17 4,4'-DDD

R.T.: 8.300 min
Delta R.T.: 0.000 min
Response: 11268985
Conc: 4.05 ppb



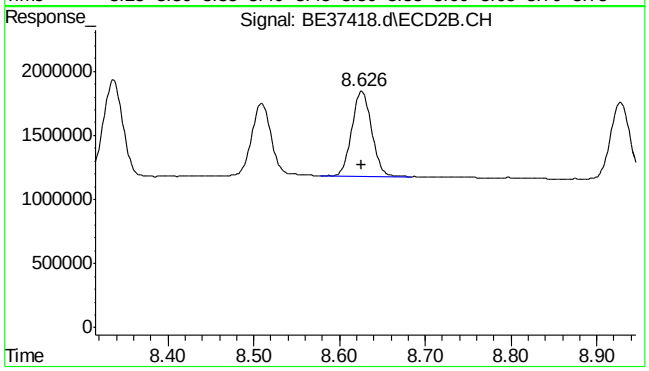
#17 4,4'-DDD

R.T.: 8.510 min
Delta R.T.: 0.000 min
Response: 9141865
Conc: 5.36 ppb



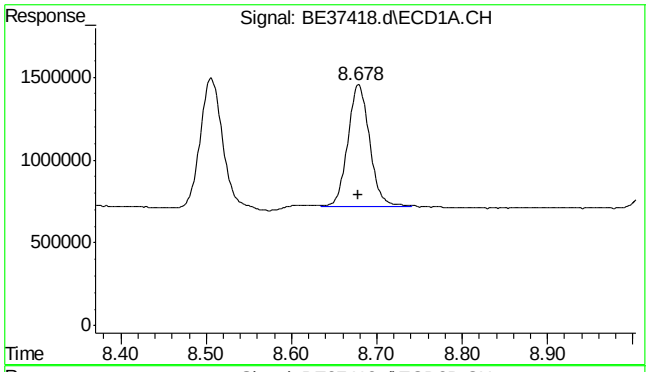
#18 Endosulfan-II

R.T.: 8.505 min
Delta R.T.: 0.000 min
Response: 14089026
Conc: 4.48 ppb m



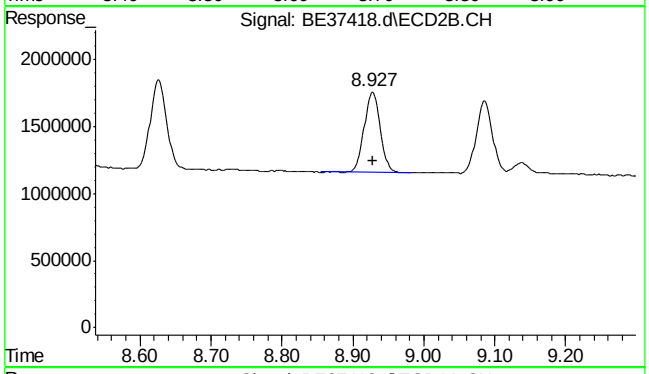
#18 Endosulfan-II

R.T.: 8.626 min
Delta R.T.: 0.000 min
Response: 10653380
Conc: 5.41 ppb



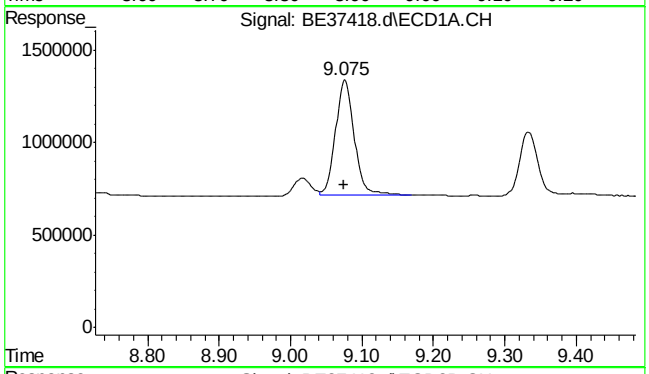
#19 4,4'-DDT

R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 12938656
Conc: 4.41 ppb m



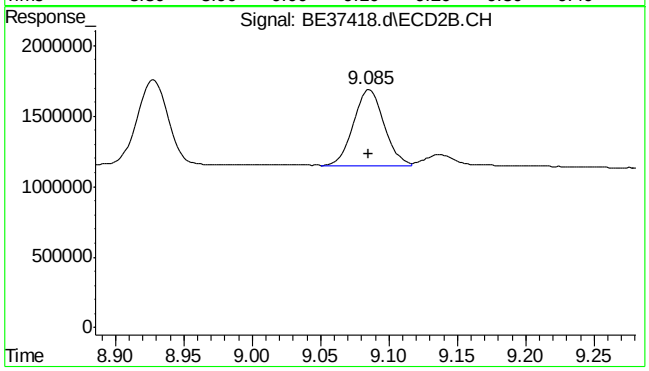
#19 4,4'-DDT

R.T.: 8.928 min
Delta R.T.: 0.000 min
Response: 9617657
Conc: 5.34 ppb



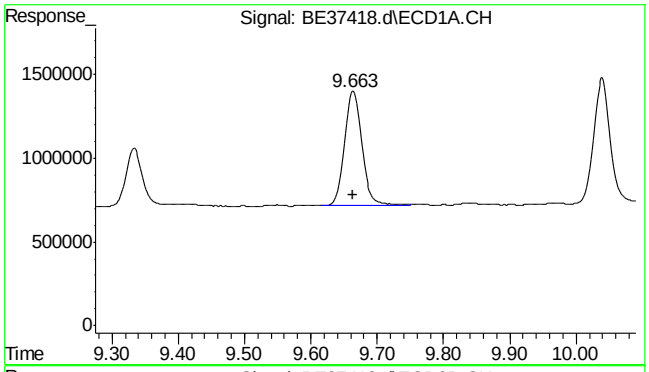
#20 Endrin Aldehyde

R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 11488672
Conc: 4.46 ppb m



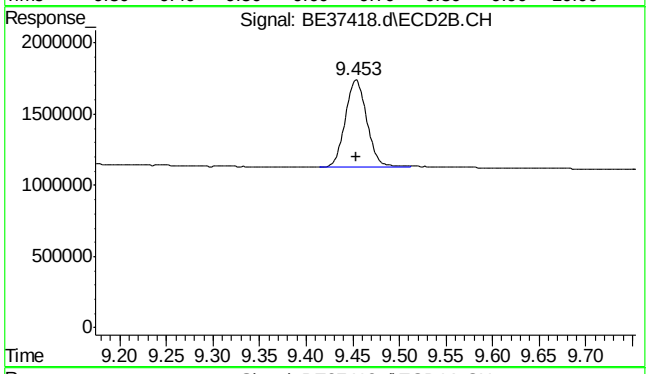
#20 Endrin Aldehyde

R.T.: 9.085 min
Delta R.T.: 0.000 min
Response: 8477599
Conc: 5.42 ppb m



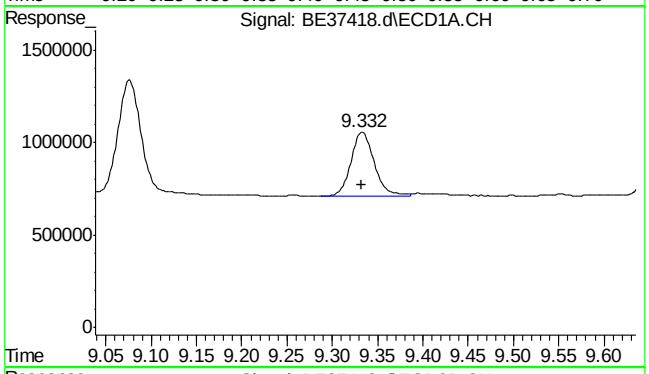
#21 Endosulfan Sulfate

R.T.: 9.663 min
Delta R.T.: 0.000 min
Response: 12569818
Conc: 4.52 ppb m



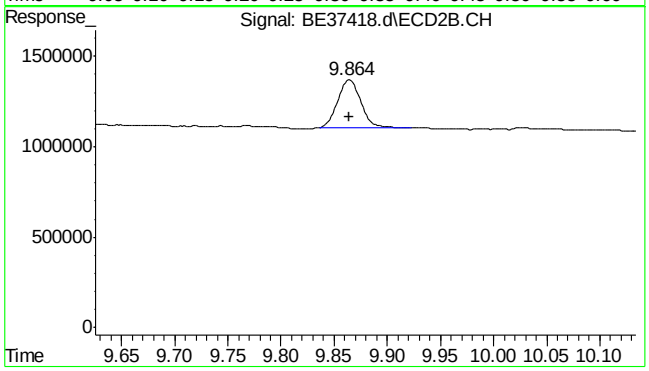
#21 Endosulfan Sulfate

R.T.: 9.453 min
Delta R.T.: 0.000 min
Response: 9987467
Conc: 5.59 ppb m



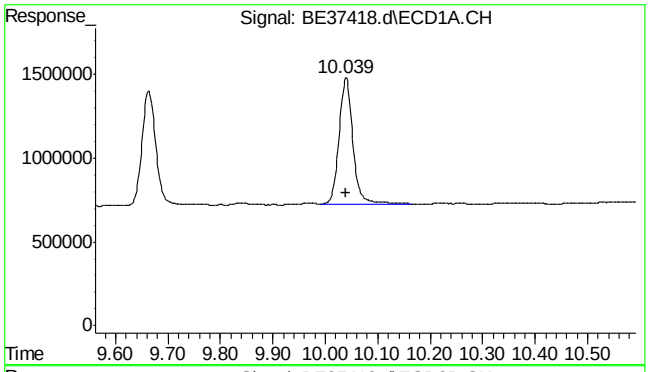
#22 Methoxychlor

R.T.: 9.332 min
Delta R.T.: 0.000 min
Response: 6227805
Conc: 5.02 ppb m



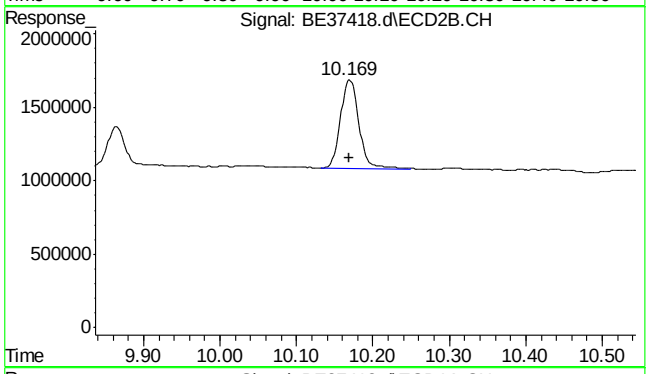
#22 Methoxychlor

R.T.: 9.864 min
Delta R.T.: 0.000 min
Response: 4029377
Conc: 6.63 ppb m



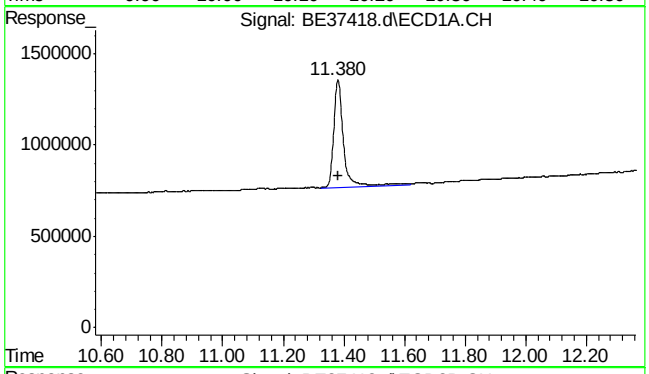
#23 Endrin Ketone

R.T.: 10.039 min
Delta R.T.: 0.000 min
Response: 13893229
Conc: 4.25 ppb m



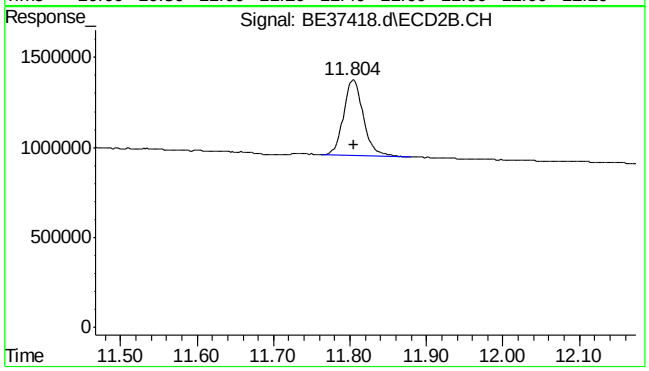
#23 Endrin Ketone

R.T.: 10.169 min
Delta R.T.: 0.000 min
Response: 10112305
Conc: 5.07 ppb m



#38 DCB

R.T.: 11.380 min
Delta R.T.: 0.000 min
Response: 13416157
Conc: 5.93 ppb m



#38 DCB

R.T.: 11.804 min
Delta R.T.: 0.000 min
Response: 7566243
Conc: 6.33 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
07/09/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37419.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 17:23:45
Operator : andrip
Sample : icv1943-100,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 85 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:55:12 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:53:14 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.635	3.596	146.8E6	95199202	50.950	50.633
	Spiked Amount 40.000			Recovery	=	127.38%	126.58%
38) s	DCB	11.379	11.805	97671833	53325841	50.170m	52.099m
	Spiked Amount 40.000			Recovery	=	125.43%	130.25%
	Target Compounds						
2)	Hexachlor...	4.237	4.319	457.1E6	277.9E6	106.215	110.198
3)	Alpha-BHC	4.496	4.545	524.2E6	325.8E6	111.294	109.995
4)	Gamma-BHC	4.981	5.087	469.9E6	294.7E6	110.785	110.436
5)	Beta-BHC	5.113	5.221	190.2E6	120.4E6	107.814	111.390
6)	Heptachlor	5.691	5.725	418.7E6	247.8E6	109.395	111.488
7)	Delta-BHC	5.378	5.654	456.2E6	284.7E6	109.483	110.780
8)	Alachlor	6.357	6.081	279.0E6	158.4E6	1085.626	1106.317
9)	Aldrin	6.132	6.189	419.8E6	247.4E6	110.948	109.628
10)	Heptachlo...	7.002	7.008	344.3E6	200.5E6	110.078	111.412
11)	Gamma-Chl...	7.178	7.270	382.1E6	216.0E6	110.485	110.910
12)	Alpha-Chl...	7.362	7.473	358.8E6	203.4E6	114.410m	111.558
13)	Endosulfan-I	7.551	7.546	330.8E6	184.8E6	113.917	111.138
14)	4,4'-DDE	7.480	7.724	329.6E6	194.2E6	114.632m	111.093
15)	Dieldrin	7.882	7.924	343.0E6	203.9E6	110.337m	111.299
16)	Endrin	8.201	8.337	303.5E6	175.2E6	111.461	110.390
17)	4,4'-DDD	8.299	8.510	251.9E6	149.0E6	112.720m	108.916m
18)	Endosulfa...	8.504	8.627	266.5E6	162.6E6	108.113m	109.965
19)	4,4'-DDT	8.678	8.929	282.7E6	158.7E6	111.193	112.313
20)	Endrin Al...	9.075	9.087	212.5E6	129.7E6	109.523	112.721
21)	Endosulfa...	9.663	9.455	235.7E6	145.7E6	110.011	112.474
22)	Methoxychlor	9.332	9.865	121.8E6	70227443	110.120	112.727m
23)	Endrin Ke...	10.037	10.171	269.3E6	157.1E6	111.472m	111.921

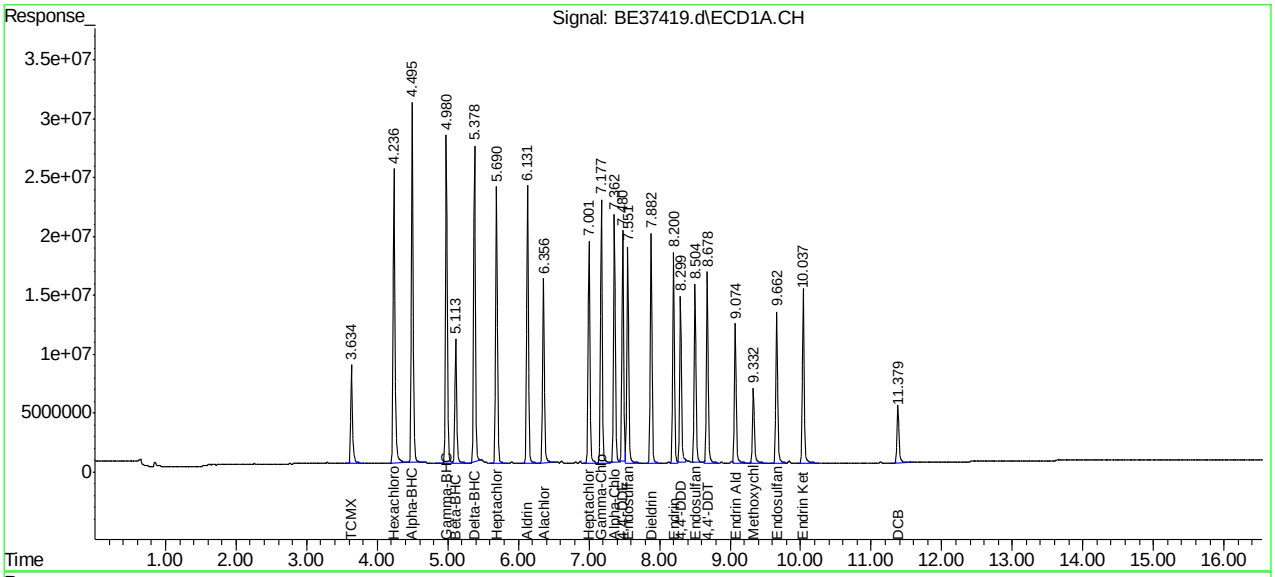
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

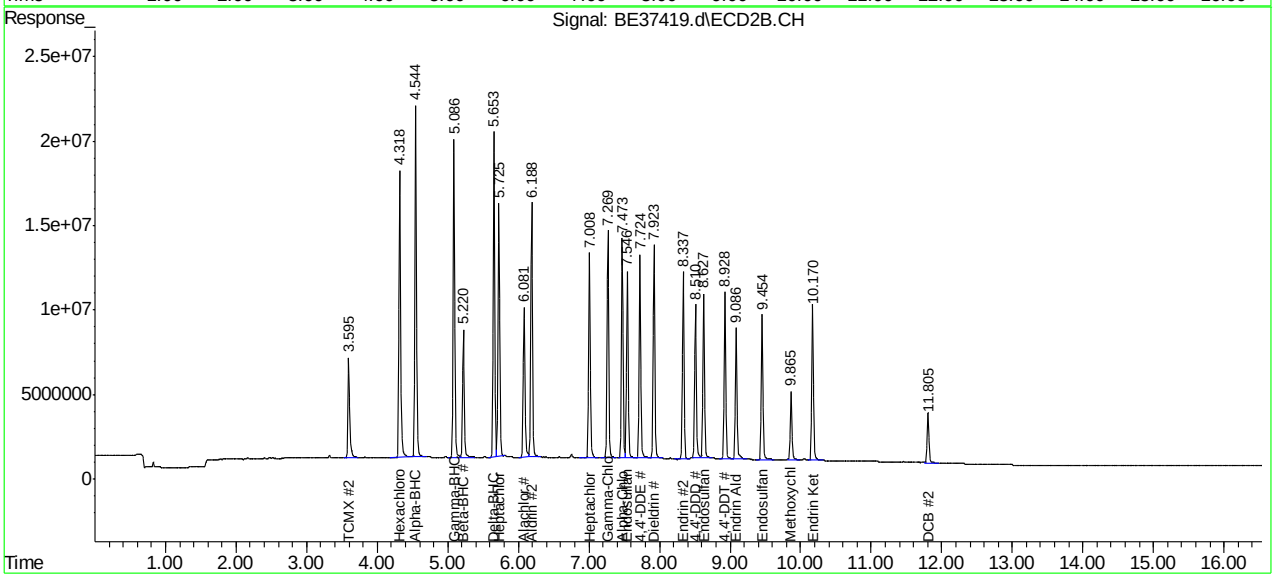
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130708A\
Data File : BE37419.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08-Jul-13, 17:23:45
Operator : andrip
Sample : icv1943-100,pest
Misc : op33919,gbe1943,1000,,,5,,w
ALS Vial : 85 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

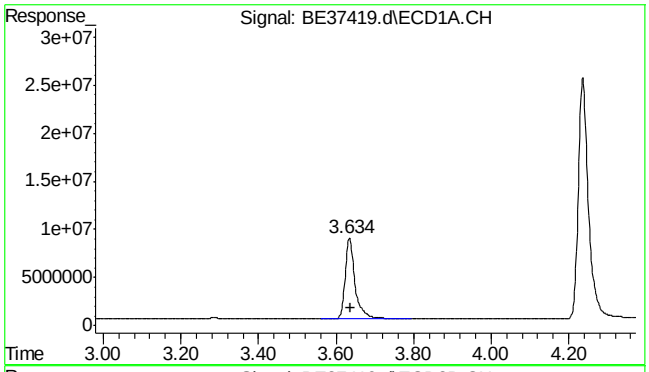
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 09 07:55:12 2013
Quant Method : C:\msdchem\1\methods\PT130708A.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Tue Jul 09 07:53:14 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



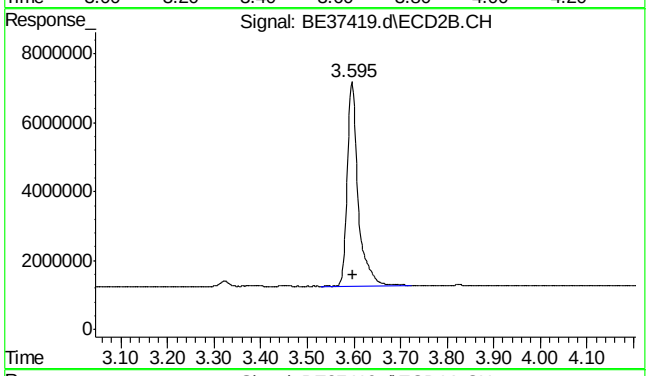


ACCUTEST LABORATORIES MC23456



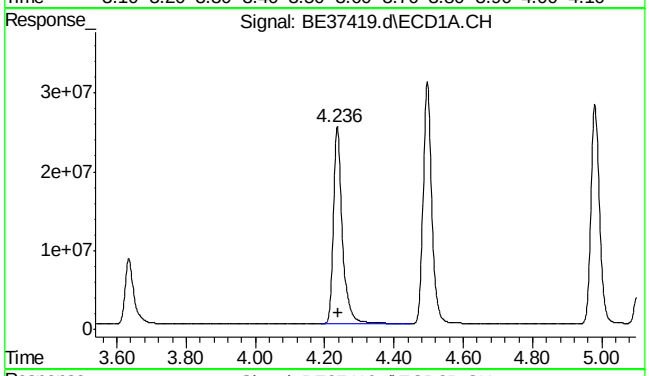
#1 TCMX

R.T.: 3.635 min
Delta R.T.: -0.004 min
Response: 146778499
Conc: 50.95 ppb



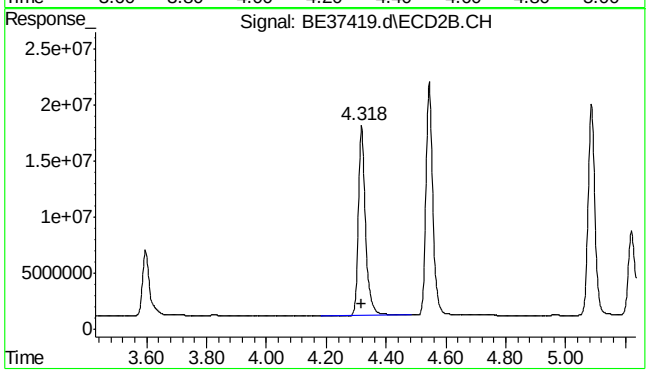
#1 TCMX

R.T.: 3.596 min
Delta R.T.: 0.000 min
Response: 95199202
Conc: 50.63 ppb



#2 Hexachlorobenzene

R.T.: 4.237 min
Delta R.T.: -0.004 min
Response: 457079341
Conc: 106.22 ppb

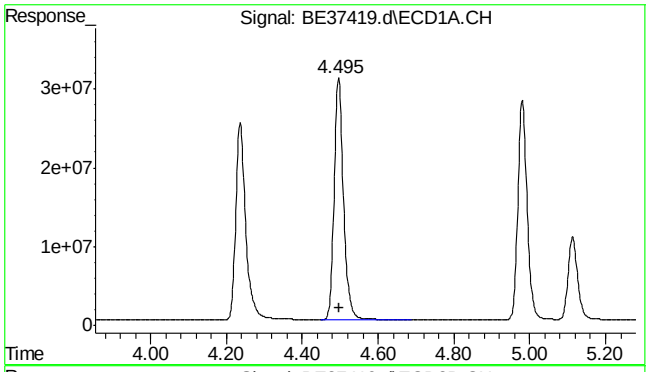


#2 Hexachlorobenzene

R.T.: 4.319 min
Delta R.T.: 0.000 min
Response: 277887627
Conc: 110.20 ppb

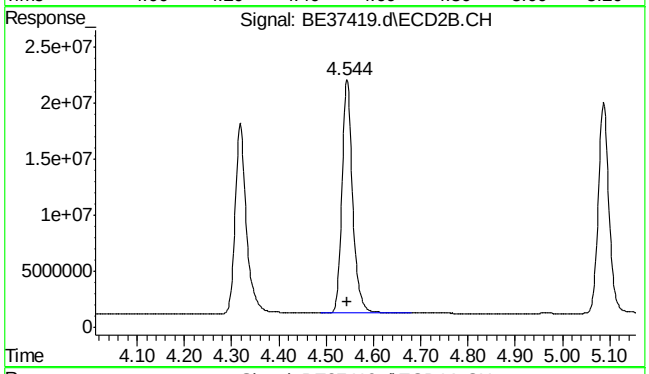
9.6.10

6



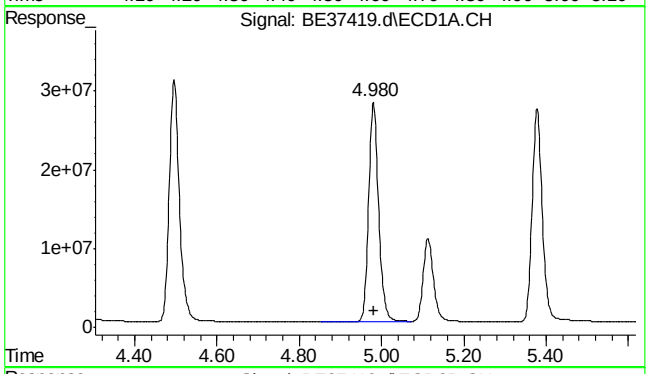
#3 Alpha-BHC

R.T.: 4.496 min
Delta R.T.: -0.003 min
Response: 524211421
Conc: 111.29 ppb



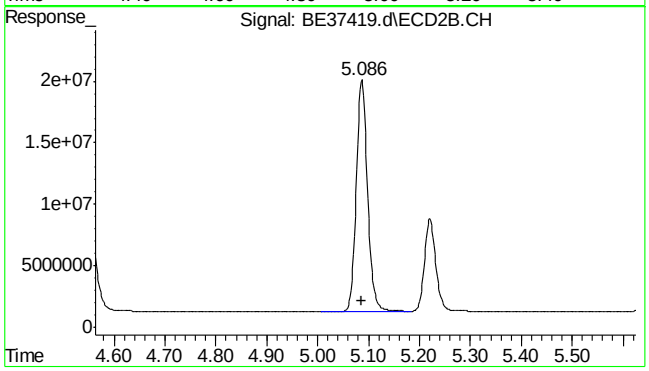
#3 Alpha-BHC

R.T.: 4.545 min
Delta R.T.: 0.000 min
Response: 325808239
Conc: 110.00 ppb



#4 Gamma-BHC

R.T.: 4.981 min
Delta R.T.: -0.003 min
Response: 469886233
Conc: 110.79 ppb

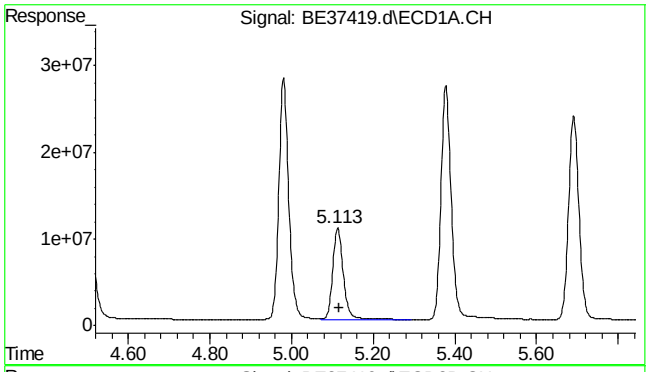


#4 Gamma-BHC

R.T.: 5.087 min
Delta R.T.: 0.000 min
Response: 294677188
Conc: 110.44 ppb

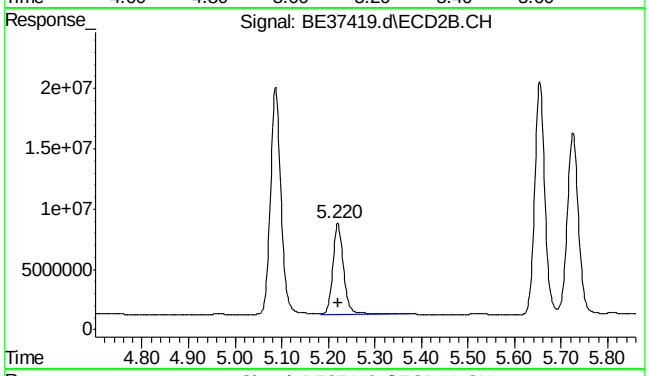
9.6.10

6



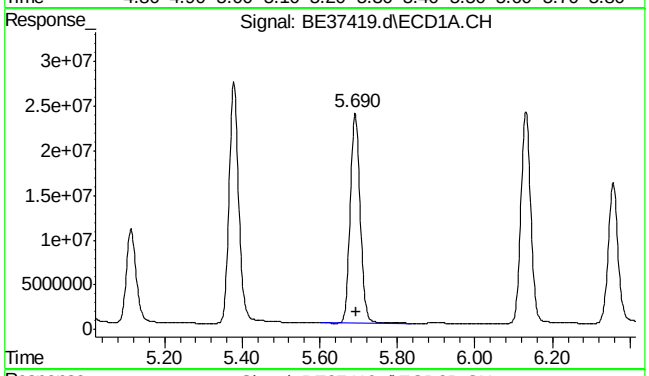
#5 Beta-BHC

R.T.: 5.113 min
Delta R.T.: -0.003 min
Response: 190154372
Conc: 107.81 ppb



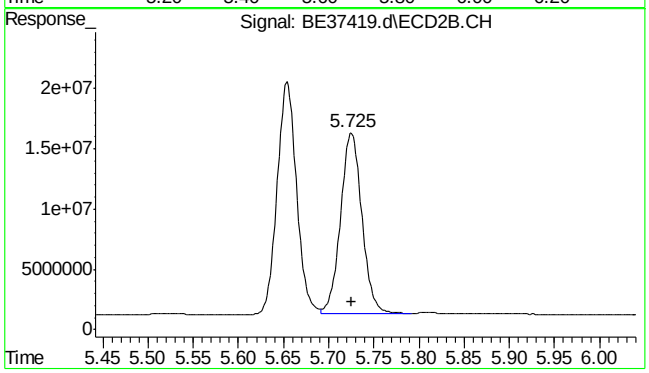
#5 Beta-BHC

R.T.: 5.221 min
Delta R.T.: 0.000 min
Response: 120449580
Conc: 111.39 ppb



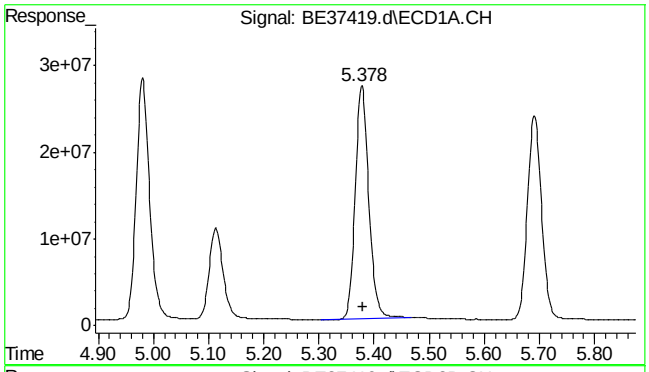
#6 Heptachlor

R.T.: 5.691 min
Delta R.T.: -0.002 min
Response: 418731199
Conc: 109.39 ppb



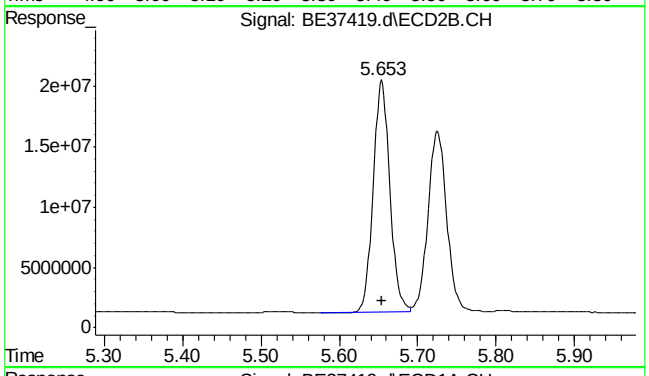
#6 Heptachlor

R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 247838134
Conc: 111.49 ppb



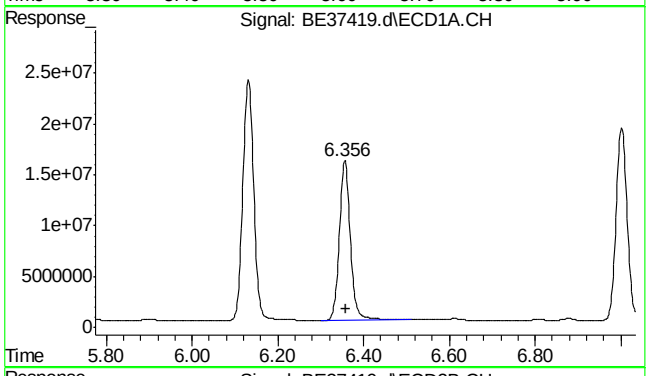
#7 Delta-BHC

R.T.: 5.378 min
Delta R.T.: -0.002 min
Response: 456194079
Conc: 109.48 ppb



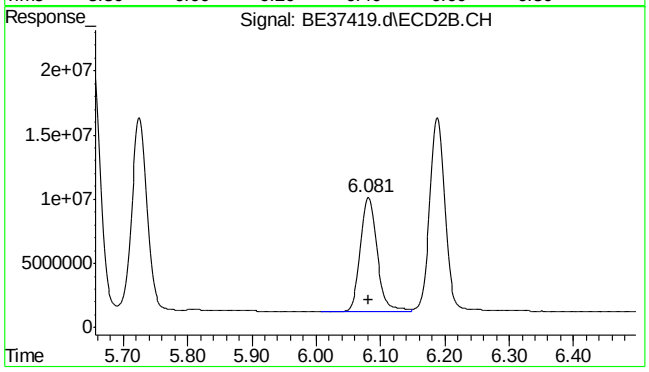
#7 Delta-BHC

R.T.: 5.654 min
Delta R.T.: 0.000 min
Response: 284661663
Conc: 110.78 ppb



#8 Alachlor

R.T.: 6.357 min
Delta R.T.: -0.001 min
Response: 278965461
Conc: 1085.63 ppb

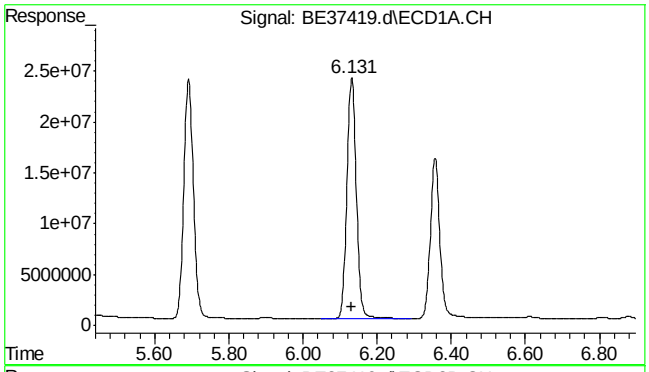


#8 Alachlor

R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 158449029
Conc: 1106.32 ppb

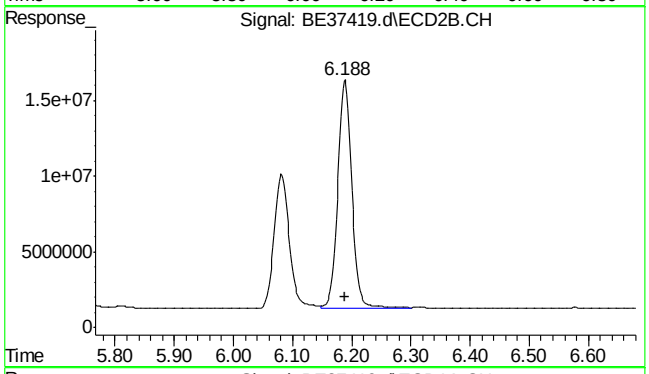
9.6.10

6



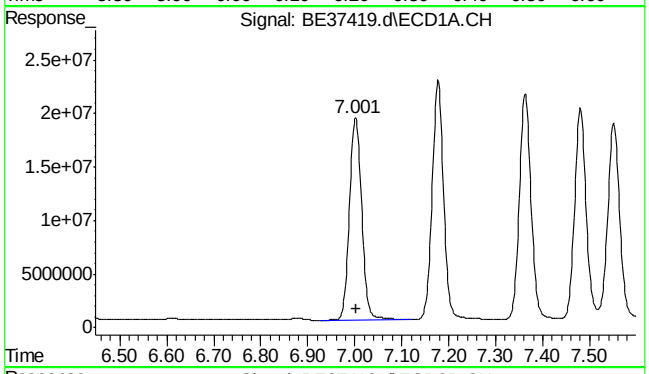
#9 Aldrin

R.T.: 6.132 min
Delta R.T.: 0.000 min
Response: 419818227
Conc: 110.95 ppb



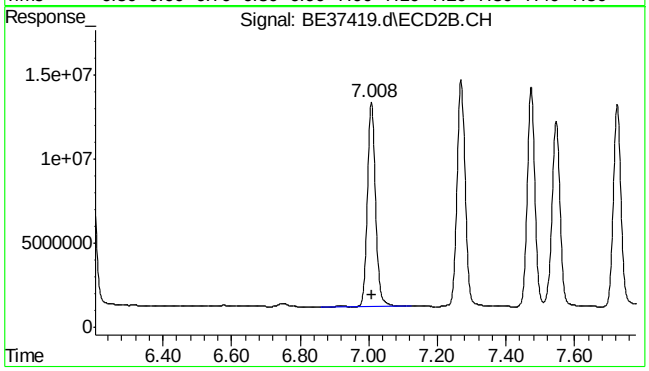
#9 Aldrin

R.T.: 6.189 min
Delta R.T.: 0.000 min
Response: 247420293
Conc: 109.63 ppb



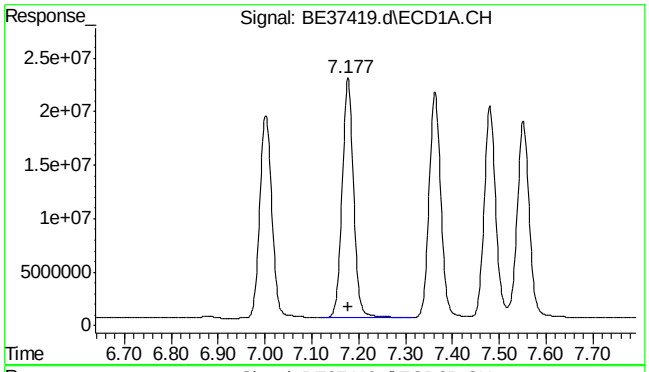
#10 Heptachlor Epoxide

R.T.: 7.002 min
Delta R.T.: -0.001 min
Response: 344315401
Conc: 110.08 ppb



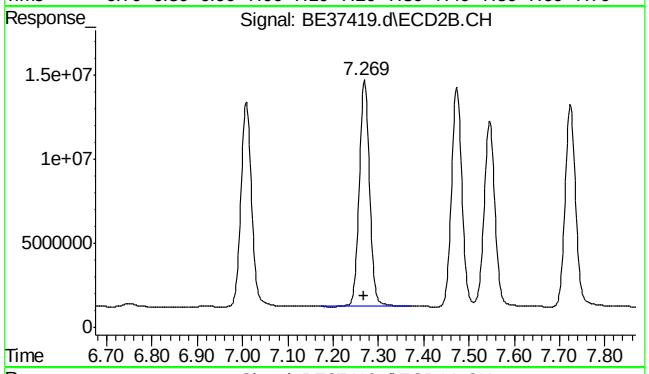
#10 Heptachlor Epoxide

R.T.: 7.008 min
Delta R.T.: 0.000 min
Response: 200519742
Conc: 111.41 ppb



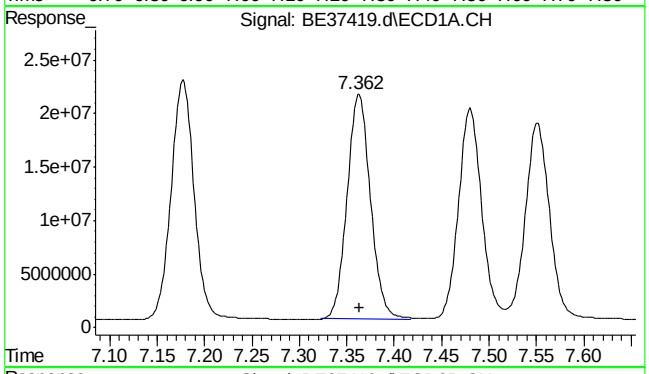
#11 Gamma-Chlordane

R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 382131630
Conc: 110.48 ppb



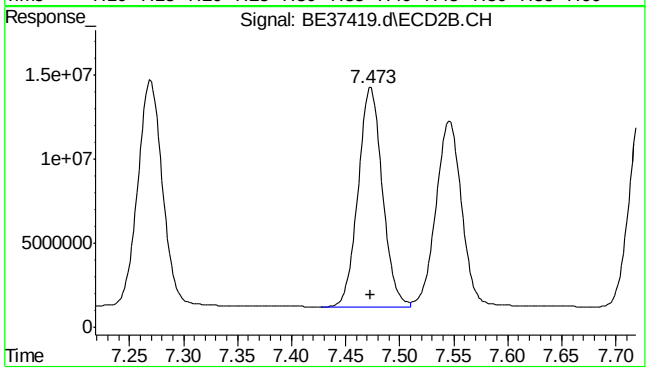
#11 Gamma-Chlordane

R.T.: 7.270 min
Delta R.T.: 0.000 min
Response: 215981910
Conc: 110.91 ppb



#12 Alpha-Chlordane

R.T.: 7.362 min
Delta R.T.: 0.000 min
Response: 358805007
Conc: 114.41 ppb m

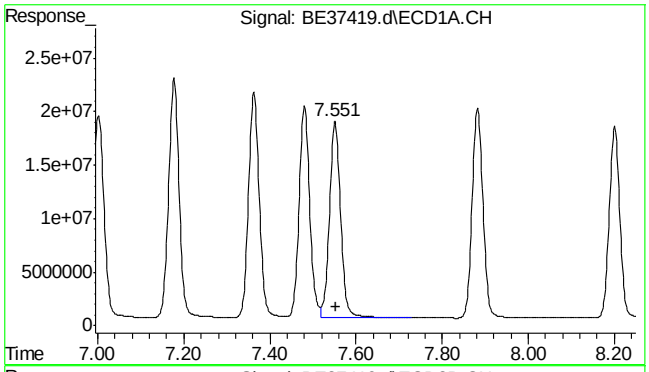


#12 Alpha-Chlordane

R.T.: 7.473 min
Delta R.T.: 0.000 min
Response: 203382996
Conc: 111.56 ppb

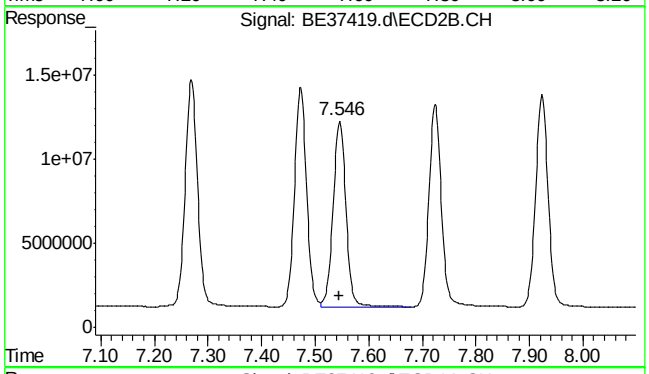
9.6.10

6



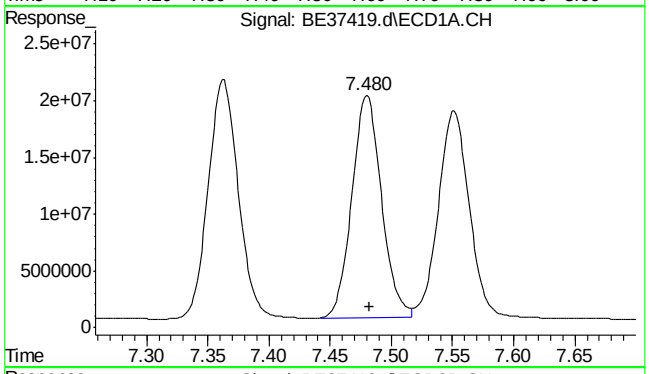
#13 Endosulfan-I

R.T.: 7.551 min
Delta R.T.: -0.002 min
Response: 330829427
Conc: 113.92 ppb



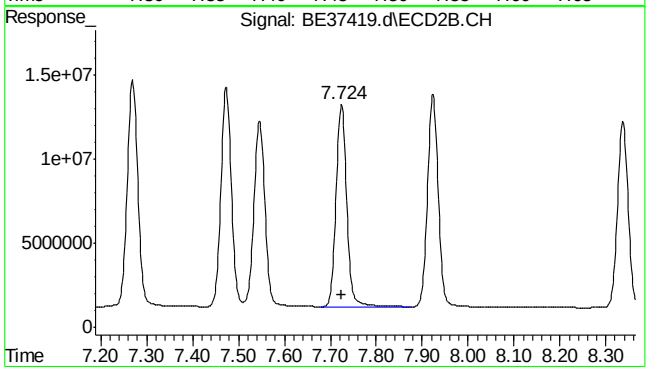
#13 Endosulfan-I

R.T.: 7.546 min
Delta R.T.: 0.000 min
Response: 184841196
Conc: 111.14 ppb



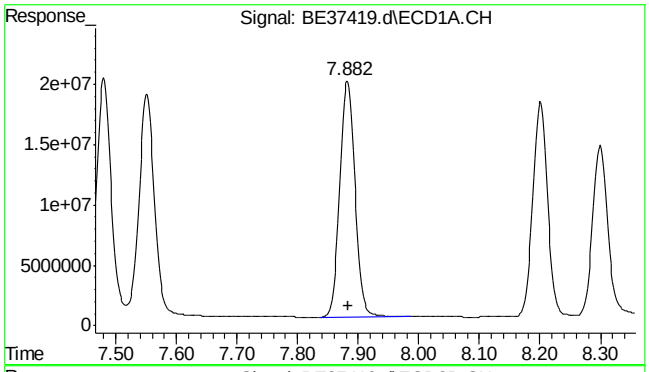
#14 4,4'-DDE

R.T.: 7.480 min
Delta R.T.: -0.002 min
Response: 329561542
Conc: 114.63 ppb m



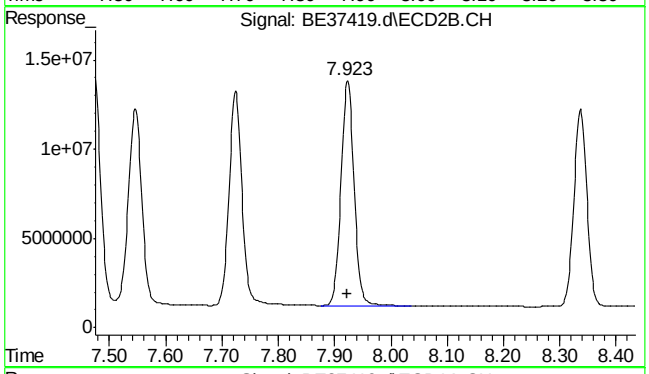
#14 4,4'-DDE

R.T.: 7.724 min
Delta R.T.: 0.000 min
Response: 194241287
Conc: 111.09 ppb



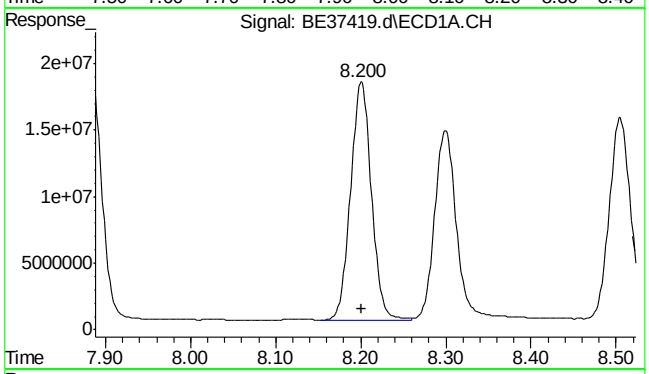
#15 Dieldrin

R.T.: 7.882 min
Delta R.T.: -0.001 min
Response: 342970398
Conc: 110.34 ppb m



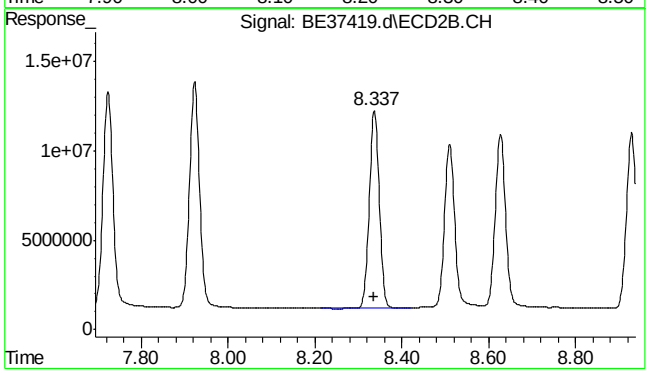
#15 Dieldrin

R.T.: 7.924 min
Delta R.T.: 0.001 min
Response: 203895634
Conc: 111.30 ppb



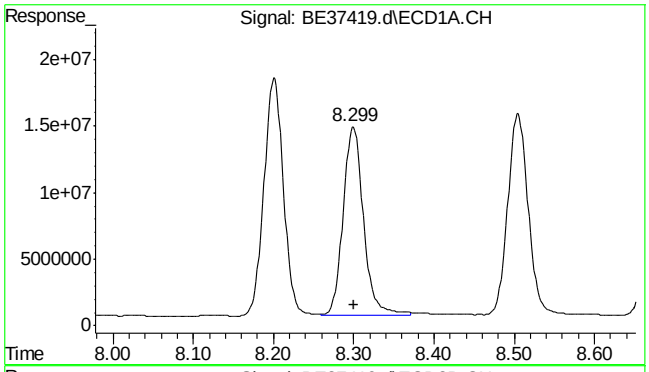
#16 Endrin

R.T.: 8.201 min
Delta R.T.: 0.000 min
Response: 303455032
Conc: 111.46 ppb



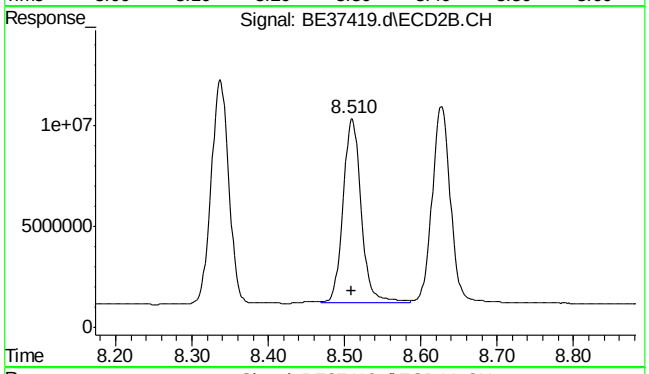
#16 Endrin

R.T.: 8.337 min
Delta R.T.: 0.001 min
Response: 175243019
Conc: 110.39 ppb



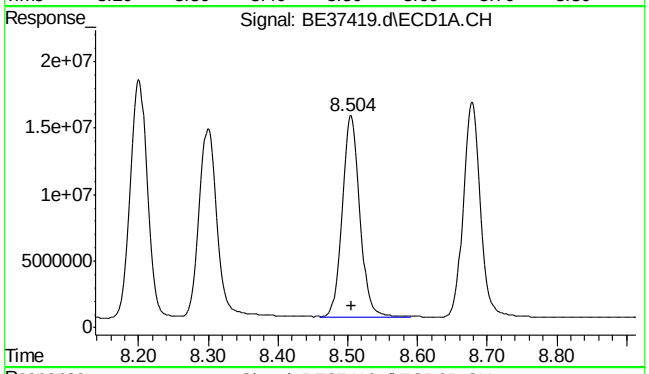
#17 4,4'-DDD

R.T.: 8.299 min
Delta R.T.: 0.000 min
Response: 251875134
Conc: 112.72 ppb m



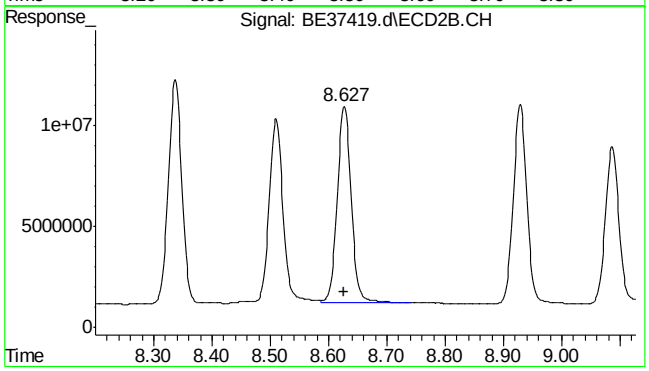
#17 4,4'-DDD

R.T.: 8.510 min
Delta R.T.: 0.000 min
Response: 149049660
Conc: 108.92 ppb m



#18 Endosulfan-II

R.T.: 8.504 min
Delta R.T.: 0.000 min
Response: 266502315
Conc: 108.11 ppb m

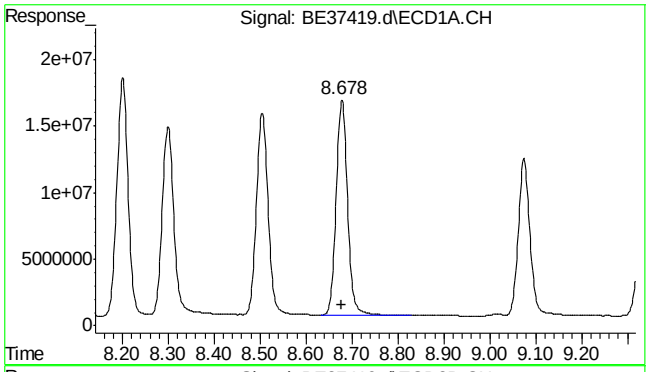


#18 Endosulfan-II

R.T.: 8.627 min
Delta R.T.: 0.001 min
Response: 162615022
Conc: 109.96 ppb

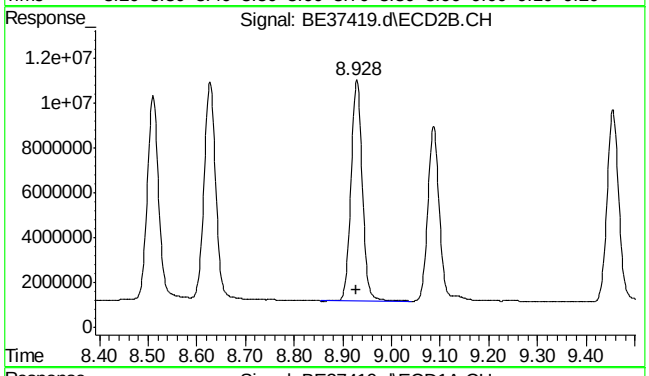
9.6.10

6



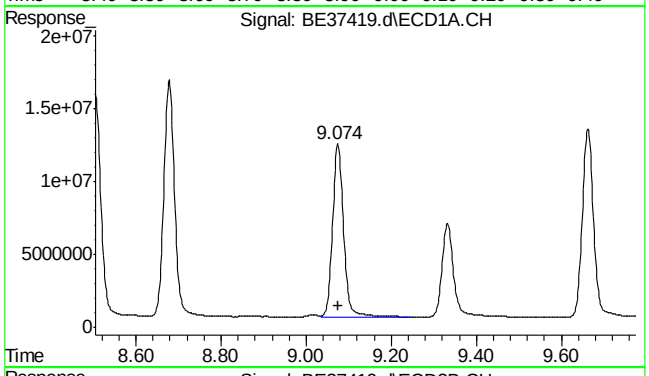
#19 4,4'-DDT

R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 282652109
Conc: 111.19 ppb



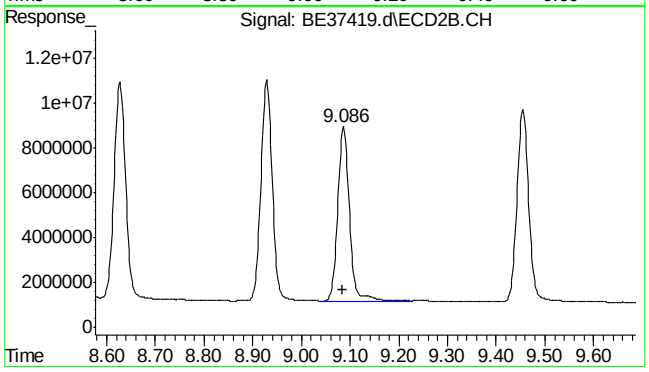
#19 4,4'-DDT

R.T.: 8.929 min
Delta R.T.: 0.001 min
Response: 158739617
Conc: 112.31 ppb



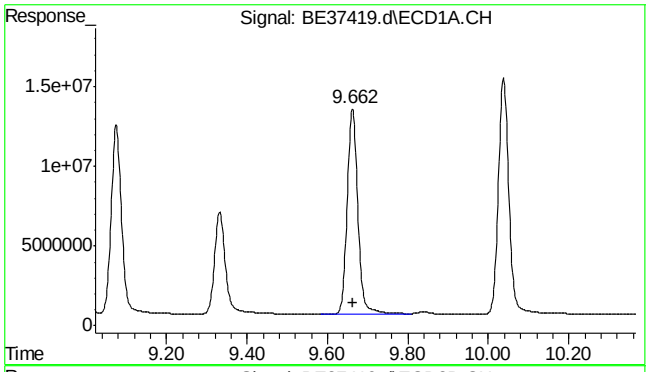
#20 Endrin Aldehyde

R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 212490210
Conc: 109.52 ppb



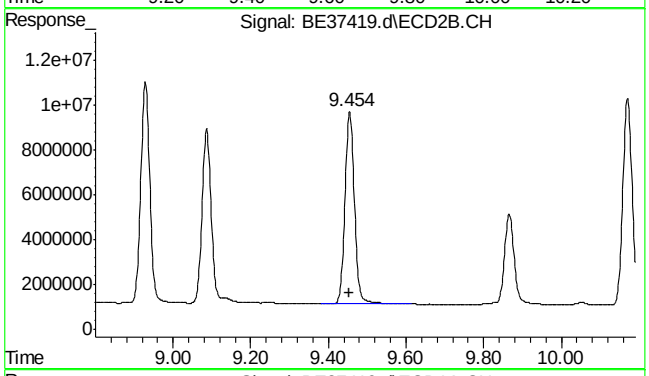
#20 Endrin Aldehyde

R.T.: 9.087 min
Delta R.T.: 0.002 min
Response: 129730484
Conc: 112.72 ppb



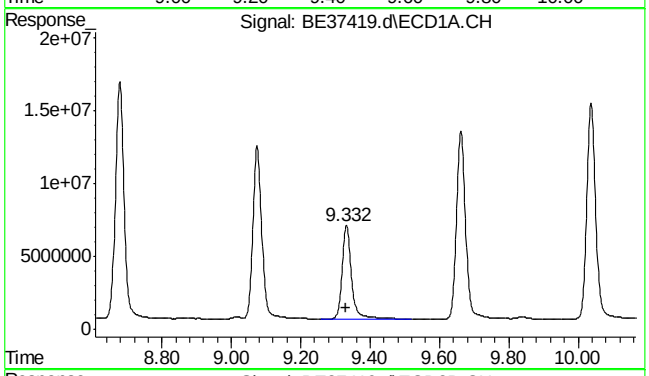
#21 Endosulfan Sulfate

R.T.: 9.663 min
Delta R.T.: 0.000 min
Response: 235714795
Conc: 110.01 ppb



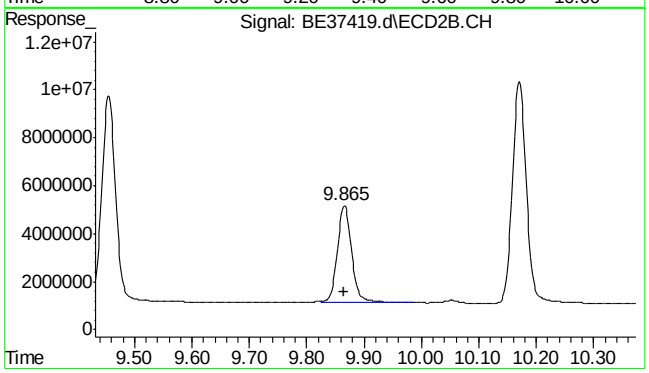
#21 Endosulfan Sulfate

R.T.: 9.455 min
Delta R.T.: 0.002 min
Response: 145685874
Conc: 112.47 ppb



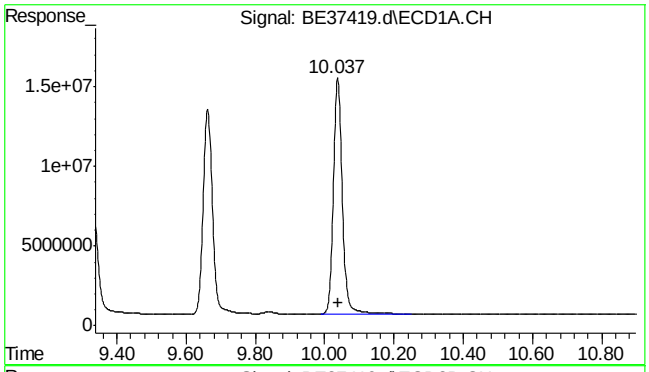
#22 Methoxychlor

R.T.: 9.332 min
Delta R.T.: 0.000 min
Response: 121760807
Conc: 110.12 ppb



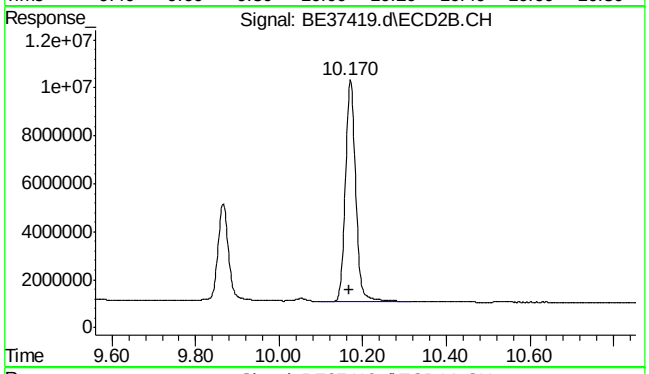
#22 Methoxychlor

R.T.: 9.865 min
Delta R.T.: 0.001 min
Response: 70227443
Conc: 112.73 ppb m



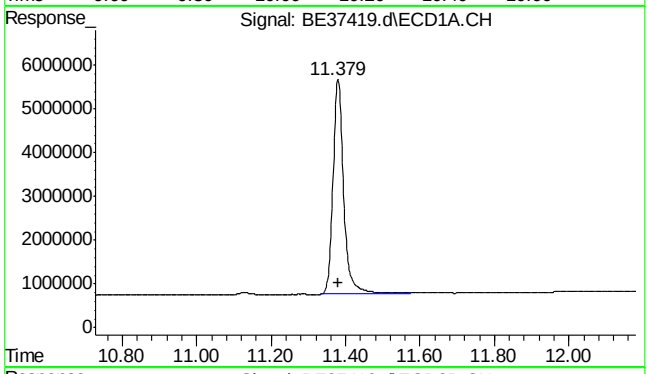
#23 Endrin Ketone

R.T.: 10.037 min
Delta R.T.: -0.002 min
Response: 269349662
Conc: 111.47 ppb m



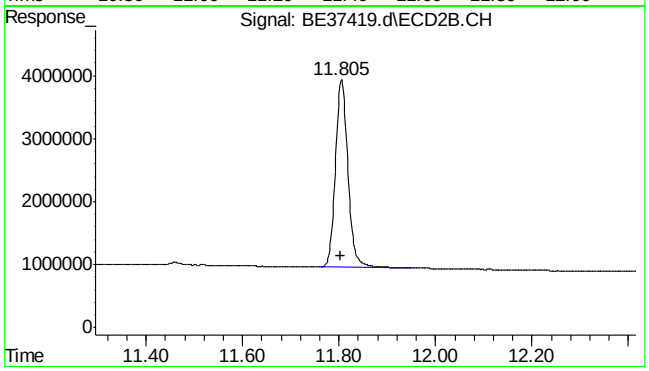
#23 Endrin Ketone

R.T.: 10.171 min
Delta R.T.: 0.001 min
Response: 157056590
Conc: 111.92 ppb



#38 DCB

R.T.: 11.379 min
Delta R.T.: 0.000 min
Response: 97671833
Conc: 50.17 ppb m



#38 DCB

R.T.: 11.805 min
Delta R.T.: 0.001 min
Response: 53325841
Conc: 52.10 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130816\
Data File : be37696.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16-Aug-13, 17:57:11
Operator : nickk
Sample : cc1943-100,pest
Misc : op34379,gbe1962,15,,,10,,s
ALS Vial : 96 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 09:41:15 2013
Quant Method : C:\msdchem\1\methods\PT130816.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.637	3.597	136.9E6	89401423	47.525	47.549
	Spiked Amount 40.000			Recovery	=	118.81%	118.87%
38) s	DCB	11.379	11.798	95099460	61890000	48.849m	60.466m
	Spiked Amount 40.000			Recovery	=	122.12%	151.16%
	Target Compounds						
2)	Hexachlor...	4.238	4.319	446.3E6	261.9E6	103.703	103.651
3)	Alpha-BHC	4.497	4.543	516.3E6	308.5E6	109.604	104.076
4)	Gamma-BHC	4.981	5.085	457.8E6	278.8E6	107.940m	104.315
5)	Beta-BHC	5.113	5.220	180.7E6	110.7E6	102.473	101.923
6)	Heptachlor	5.692	5.723	406.0E6	238.8E6	105.880	107.126
7)	Delta-BHC	5.378	5.651	443.7E6	268.4E6	106.473m	104.273m
8)	Alachlor	6.355	6.078	256.4E6	145.2E6	992.839	999.730
9)	Aldrin	6.131	6.186	410.2E6	240.3E6	108.415	106.260
10)	Heptachlo...	7.001	7.005	335.0E6	195.1E6	106.943	108.186
11)	Gamma-Chl...	7.175	7.265	377.5E6	216.3E6	109.133m	111.068
12)	Alpha-Chl...	7.362	7.469	348.5E6	205.5E6	111.122m	112.772
13)	Endosulfan-I	7.550	7.542	320.7E6	183.6E6	110.258	110.339
14)	4,4'-DDE	7.479	7.720	308.3E6	196.7E6	107.228m	112.589
15)	Dieldrin	7.880	7.918	338.3E6	207.8E6	108.791m	113.610
16)	Endrin	8.199	8.331	298.1E6	181.3E6	109.491	114.560m
17)	4,4'-DDD	8.298	8.505	243.2E6	154.9E6	108.826m	113.437m
18)	Endosulfa...	8.502	8.621	259.7E6	167.8E6	105.262m	113.740m
19)	4,4'-DDT	8.676	8.923	267.0E6	167.2E6	104.964m	118.587m
20)	Endrin Al...	9.073	9.080	208.8E6	129.8E6	107.525	112.804m
21)	Endosulfa...	9.660	9.449	232.2E6	155.4E6	108.296	120.653m
22)	Methoxychlor	9.332	9.859	118.8E6	71924414	107.350	115.665m
23)	Endrin Ke...	10.036	10.163	258.9E6	171.7E6	107.027	123.272m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

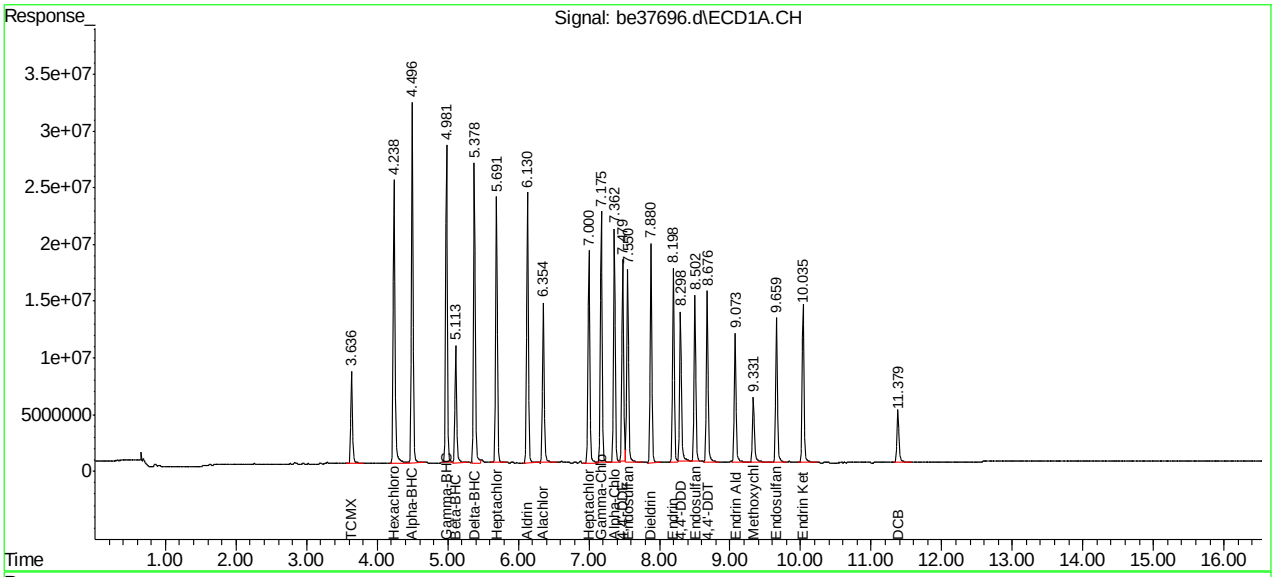
9.6.11
9

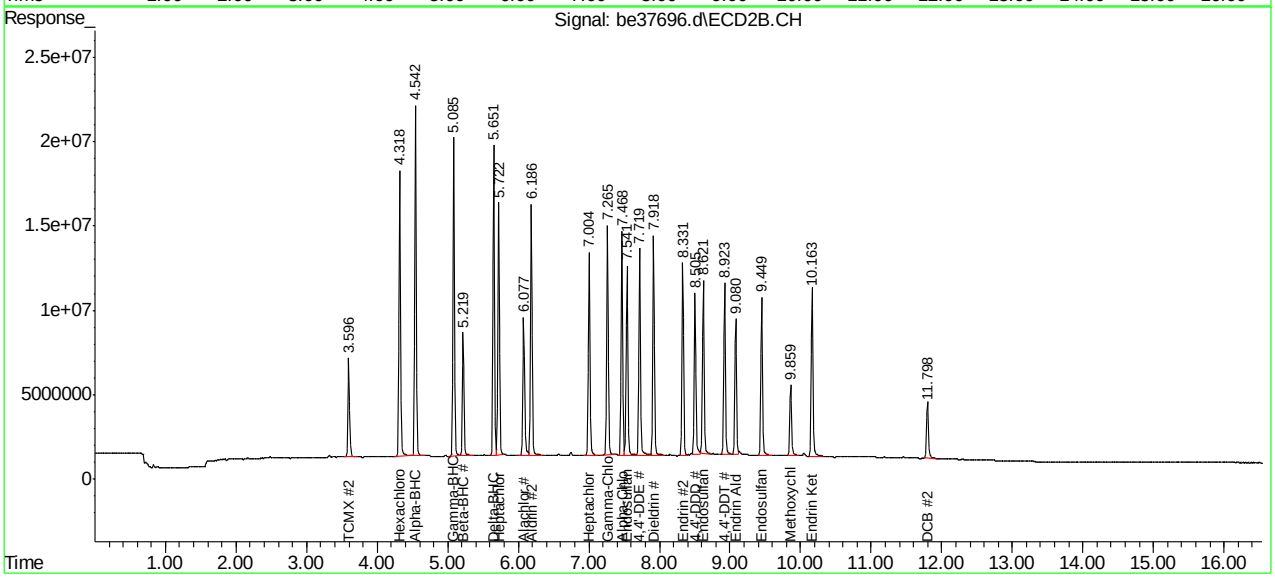
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130816\
Data File : be37696.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16-Aug-13, 17:57:11
Operator : nickk
Sample : cc1943-100,pest
Misc : op34379,gbe1962,15,,,10,,s
ALS Vial : 96 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

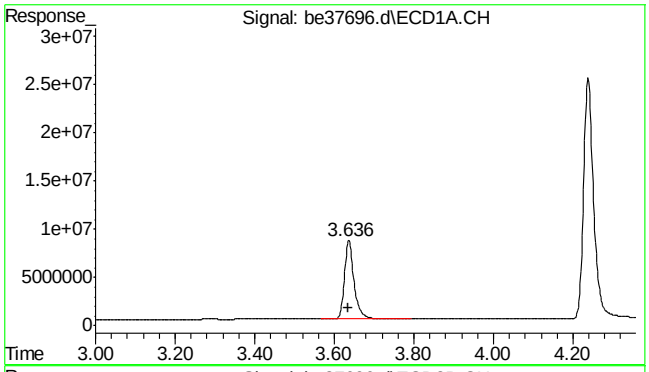
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 09:41:15 2013
Quant Method : C:\msdchem\1\methods\PT130816.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



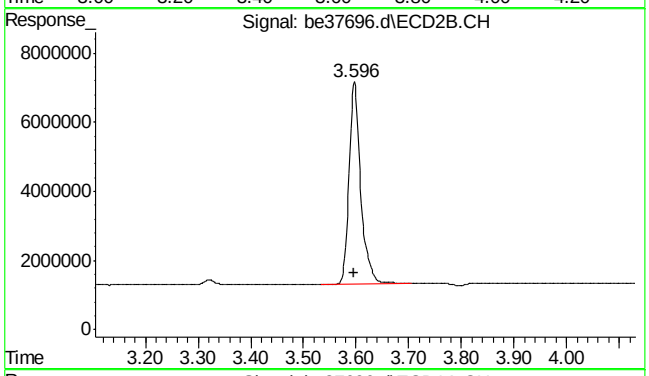


ACCUTEST LABORATORIES MC23456



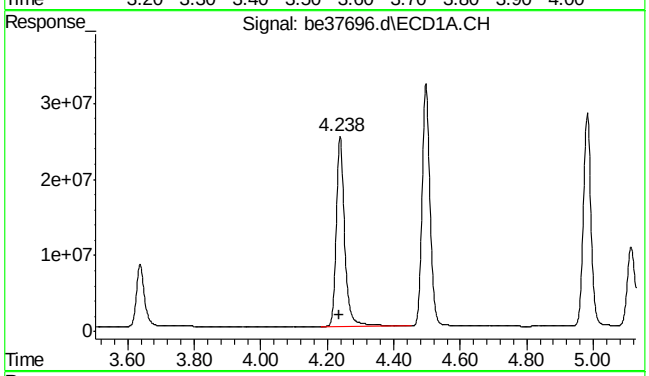
#1 TCMX

R.T.: 3.637 min
Delta R.T.: 0.003 min
Response: 136910692
Conc: 47.53 ppb



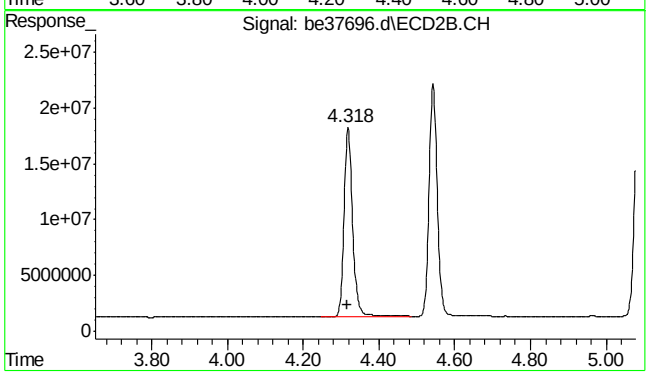
#1 TCMX

R.T.: 3.597 min
Delta R.T.: 0.002 min
Response: 89401423
Conc: 47.55 ppb



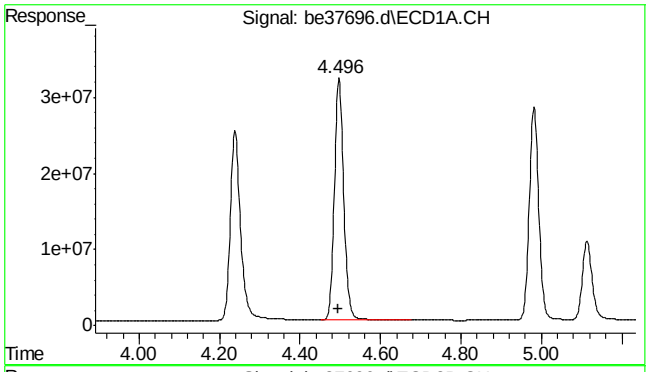
#2 Hexachlorobenzene

R.T.: 4.238 min
Delta R.T.: 0.003 min
Response: 446269102
Conc: 103.70 ppb



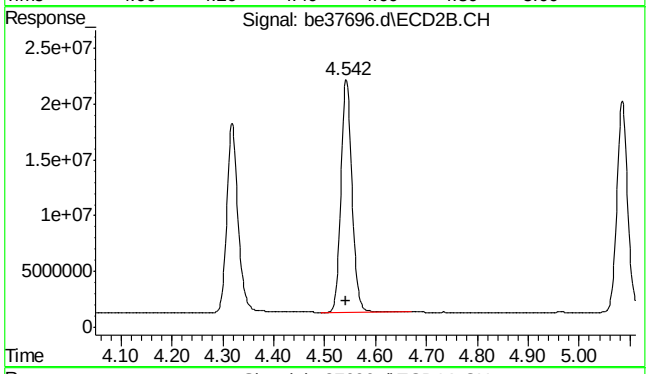
#2 Hexachlorobenzene

R.T.: 4.319 min
Delta R.T.: 0.002 min
Response: 261912912
Conc: 103.65 ppb



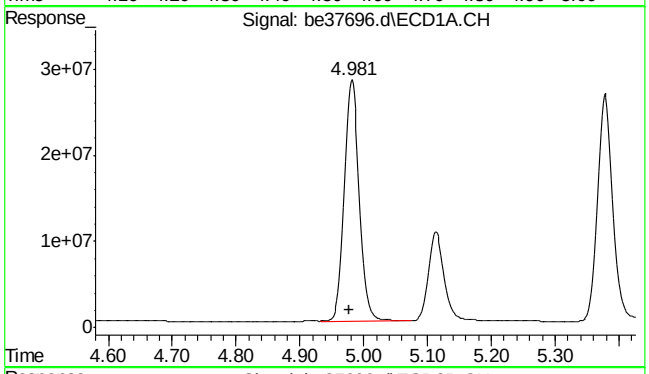
#3 Alpha-BHC

R.T.: 4.497 min
Delta R.T.: 0.003 min
Response: 516251499
Conc: 109.60 ppb



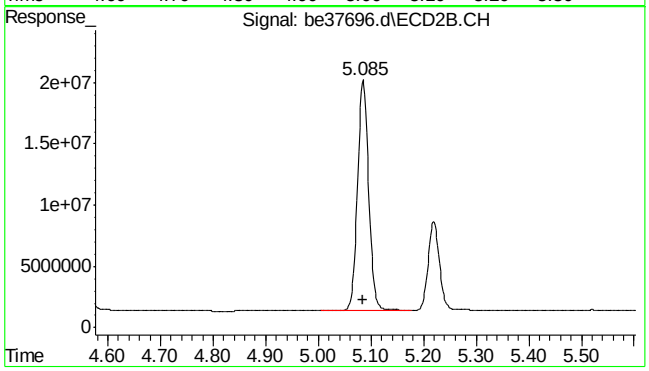
#3 Alpha-BHC

R.T.: 4.543 min
Delta R.T.: 0.001 min
Response: 308528689
Conc: 104.08 ppb



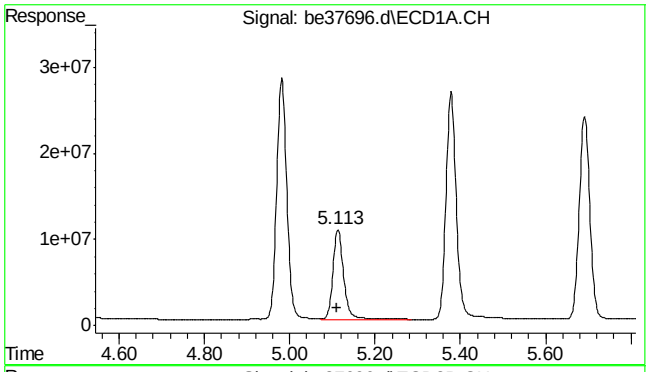
#4 Gamma-BHC

R.T.: 4.981 min
Delta R.T.: 0.003 min
Response: 457819280
Conc: 107.94 ppb m



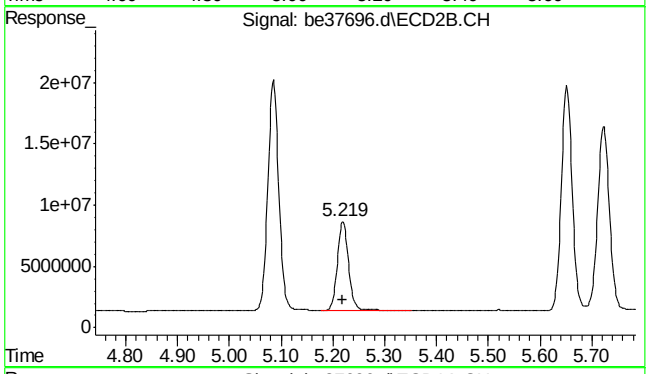
#4 Gamma-BHC

R.T.: 5.085 min
Delta R.T.: 0.002 min
Response: 278783025
Conc: 104.31 ppb



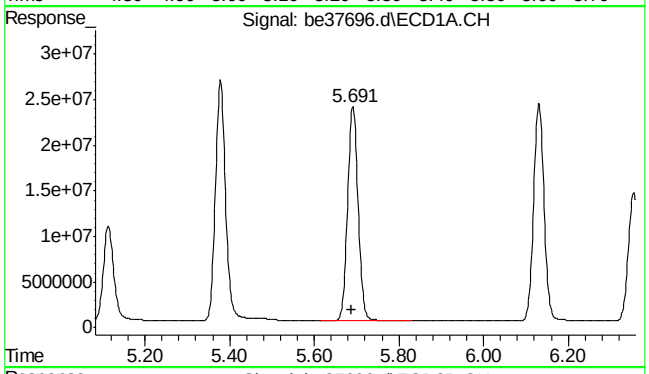
#5 Beta-BHC

R.T.: 5.113 min
Delta R.T.: 0.003 min
Response: 180734392
Conc: 102.47 ppb



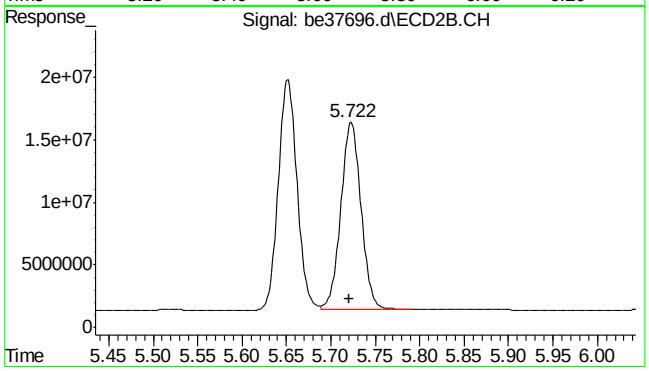
#5 Beta-BHC

R.T.: 5.220 min
Delta R.T.: 0.001 min
Response: 110661165
Conc: 101.92 ppb



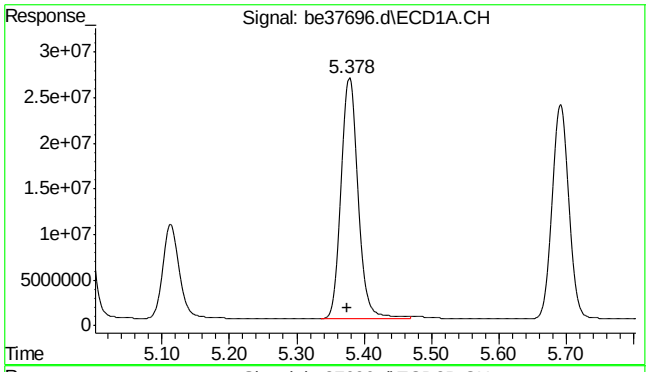
#6 Heptachlor

R.T.: 5.692 min
Delta R.T.: 0.003 min
Response: 405993549
Conc: 105.88 ppb



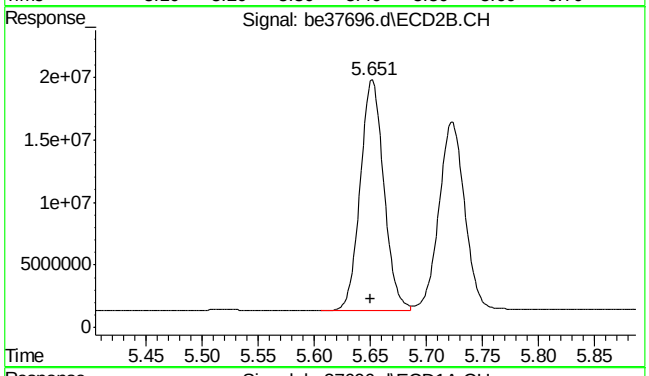
#6 Heptachlor

R.T.: 5.723 min
Delta R.T.: 0.002 min
Response: 238830710
Conc: 107.13 ppb



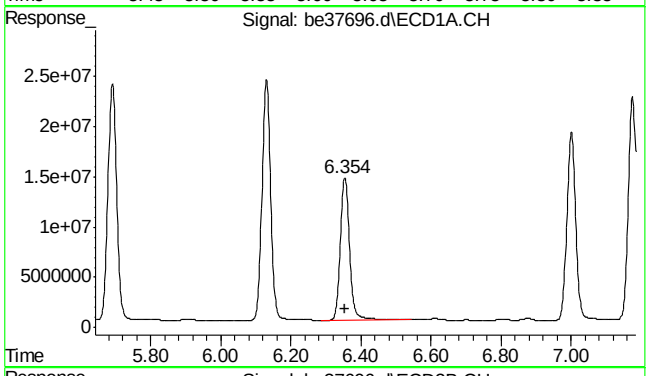
#7 Delta-BHC

R.T.: 5.378 min
Delta R.T.: 0.003 min
Response: 443650583
Conc: 106.47 ppb m



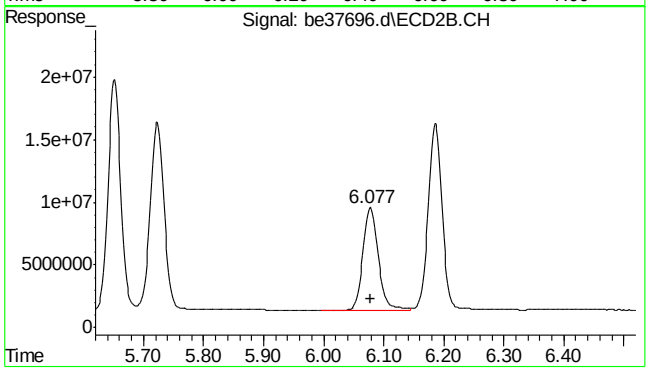
#7 Delta-BHC

R.T.: 5.651 min
Delta R.T.: 0.001 min
Response: 268416403
Conc: 104.27 ppb m



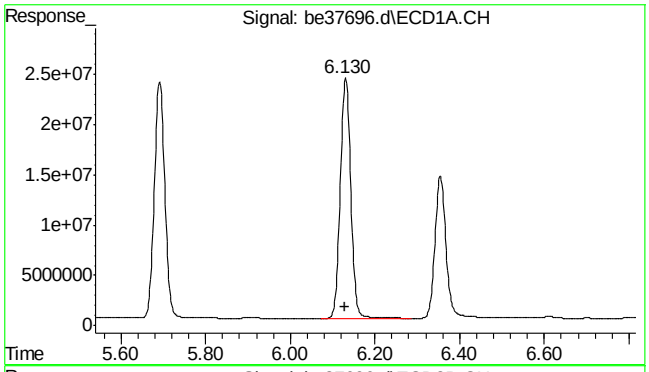
#8 Alachlor

R.T.: 6.355 min
Delta R.T.: 0.001 min
Response: 256422395
Conc: 992.84 ppb



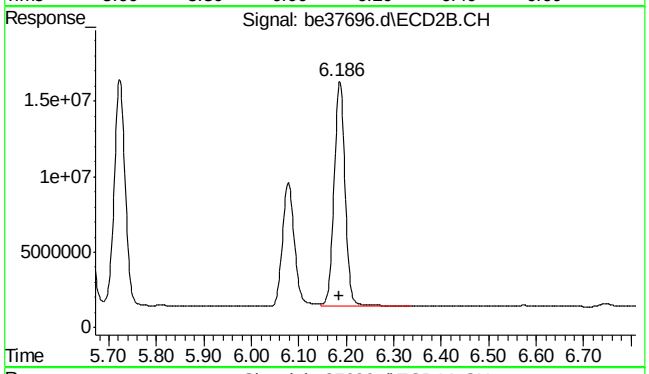
#8 Alachlor

R.T.: 6.078 min
Delta R.T.: 0.000 min
Response: 145210312
Conc: 999.73 ppb



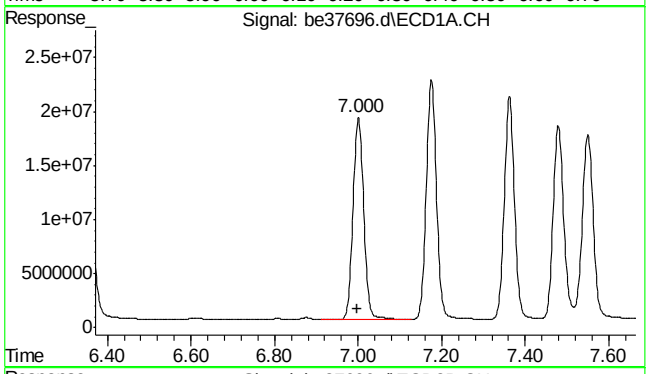
#9 Aldrin

R.T.: 6.131 min
Delta R.T.: 0.003 min
Response: 410232475
Conc: 108.41 ppb



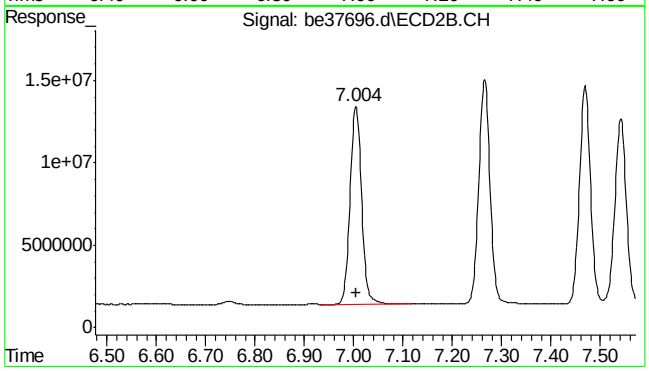
#9 Aldrin

R.T.: 6.186 min
Delta R.T.: 0.001 min
Response: 240265959
Conc: 106.26 ppb



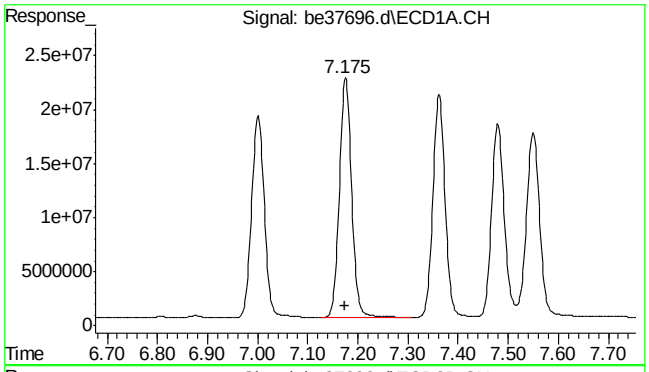
#10 Heptachlor Epoxide

R.T.: 7.001 min
Delta R.T.: 0.002 min
Response: 335047198
Conc: 106.94 ppb



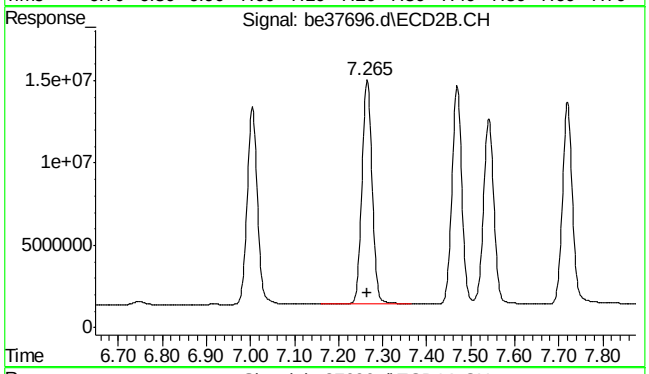
#10 Heptachlor Epoxide

R.T.: 7.005 min
Delta R.T.: 0.000 min
Response: 195115065
Conc: 108.19 ppb



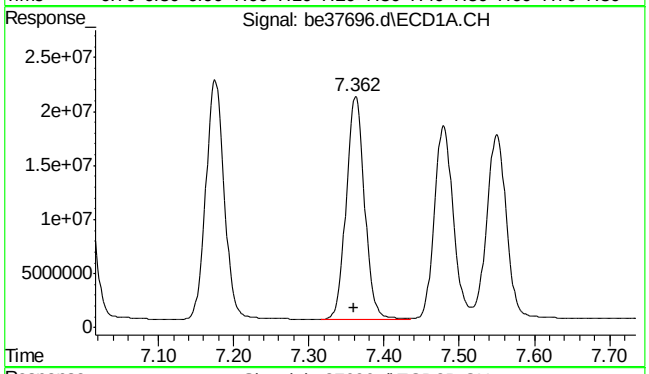
#11 Gamma-Chlordane

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 377455068
Conc: 109.13 ppb m



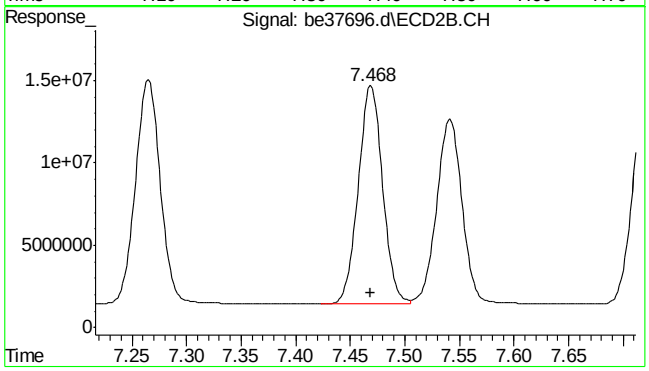
#11 Gamma-Chlordane

R.T.: 7.265 min
Delta R.T.: 0.000 min
Response: 216274438
Conc: 111.07 ppb



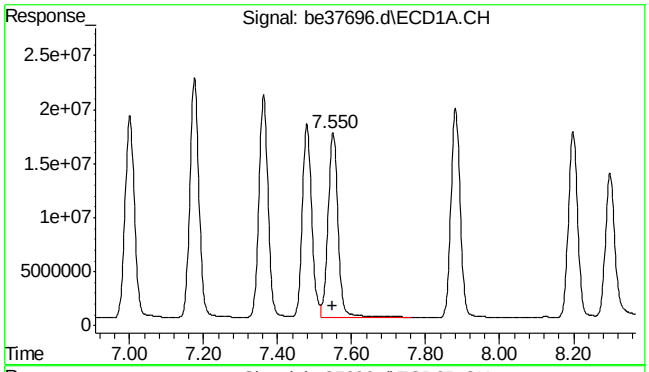
#12 Alpha-Chlordane

R.T.: 7.362 min
Delta R.T.: 0.002 min
Response: 348494983
Conc: 111.12 ppb m



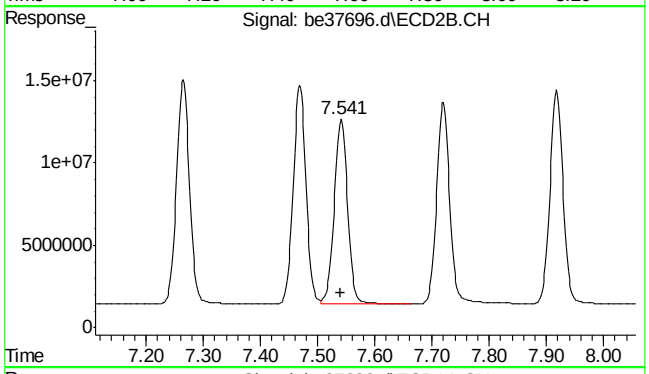
#12 Alpha-Chlordane

R.T.: 7.469 min
Delta R.T.: 0.000 min
Response: 205496094
Conc: 112.77 ppb



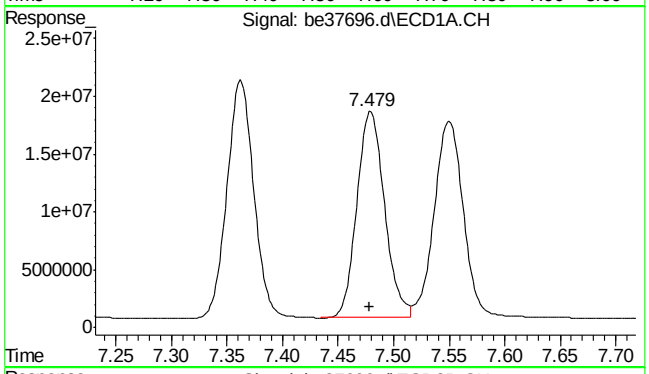
#13 Endosulfan-I

R.T.: 7.550 min
Delta R.T.: 0.002 min
Response: 320717741
Conc: 110.26 ppb



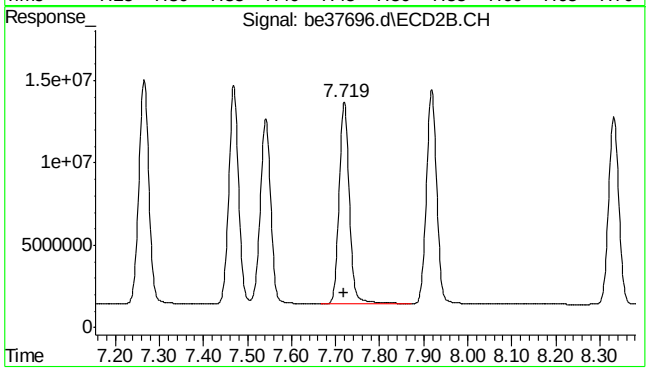
#13 Endosulfan-I

R.T.: 7.542 min
Delta R.T.: 0.000 min
Response: 183616903
Conc: 110.34 ppb



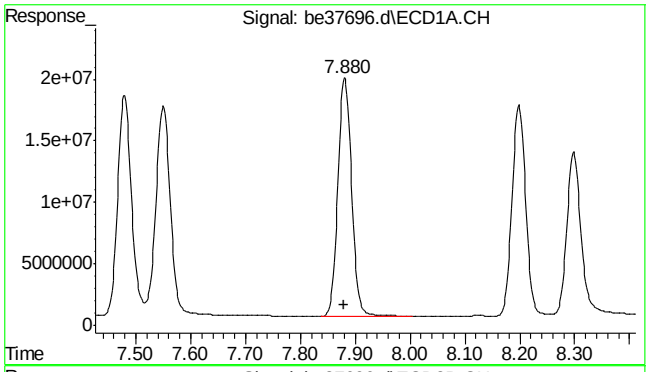
#14 4,4'-DDE

R.T.: 7.479 min
Delta R.T.: 0.000 min
Response: 308276671
Conc: 107.23 ppb m



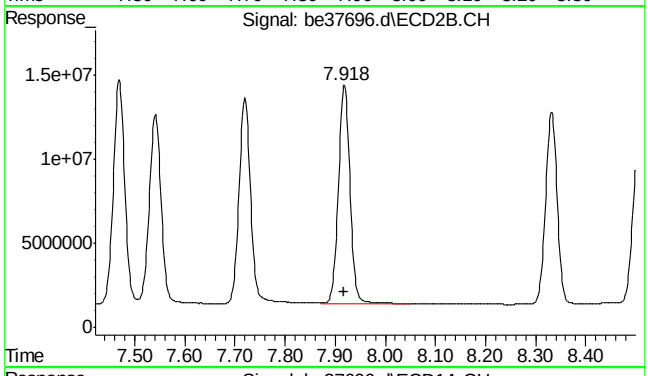
#14 4,4'-DDE

R.T.: 7.720 min
Delta R.T.: 0.001 min
Response: 196721343
Conc: 112.59 ppb



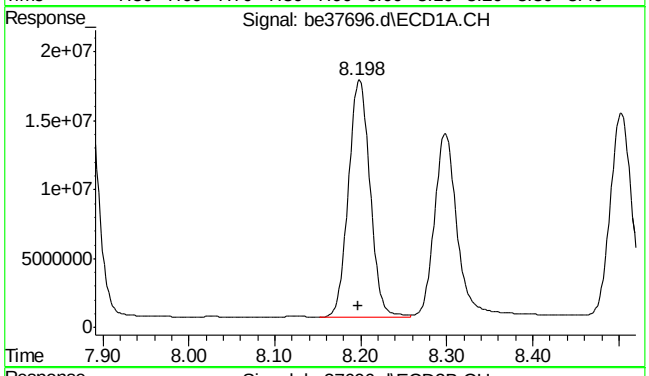
#15 Dieldrin

R.T.: 7.880 min
Delta R.T.: 0.000 min
Response: 338348926
Conc: 108.79 ppb m



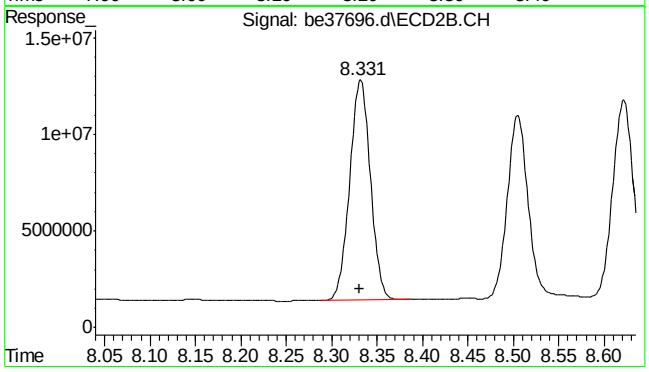
#15 Dieldrin

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 207810654
Conc: 113.61 ppb



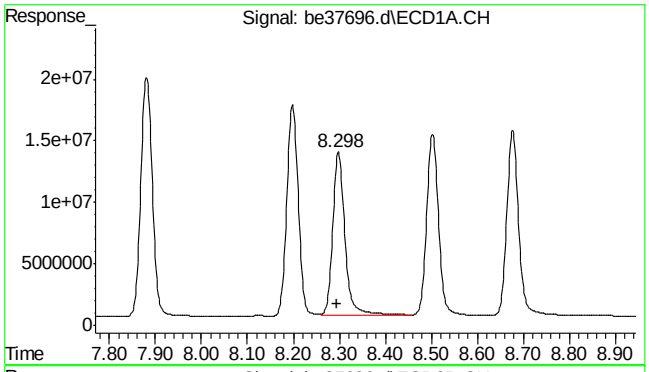
#16 Endrin

R.T.: 8.199 min
Delta R.T.: 0.001 min
Response: 298092193
Conc: 109.49 ppb



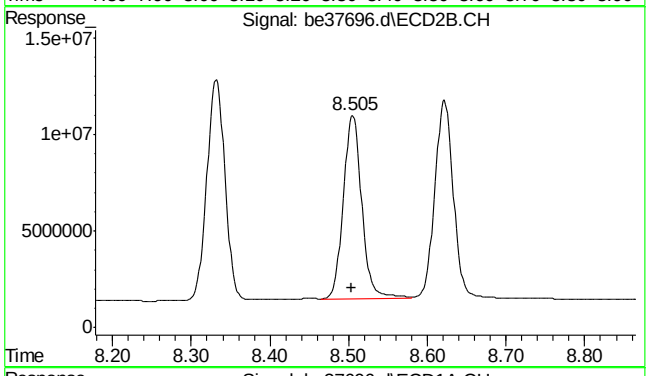
#16 Endrin

R.T.: 8.331 min
Delta R.T.: 0.000 min
Response: 181337217
Conc: 114.56 ppb m



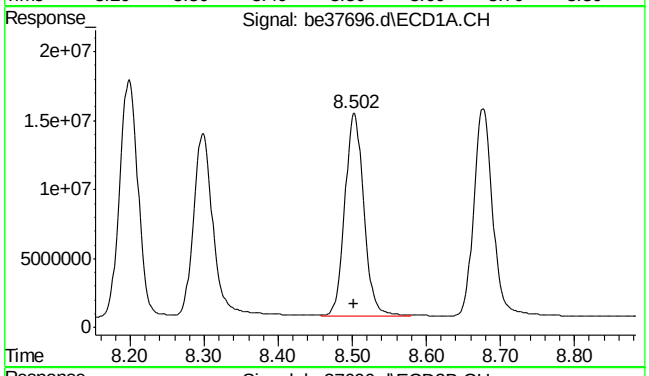
#17 4,4'-DDD

R.T.: 8.298 min
Delta R.T.: 0.002 min
Response: 243172661
Conc: 108.83 ppb m



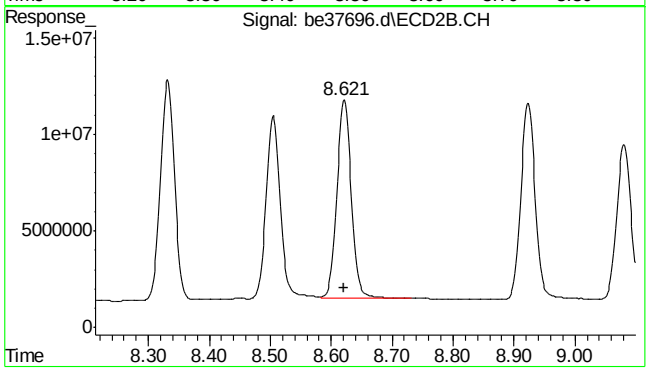
#17 4,4'-DDD

R.T.: 8.505 min
Delta R.T.: 0.000 min
Response: 154888520
Conc: 113.44 ppb m



#18 Endosulfan-II

R.T.: 8.502 min
Delta R.T.: 0.000 min
Response: 259740388
Conc: 105.26 ppb m

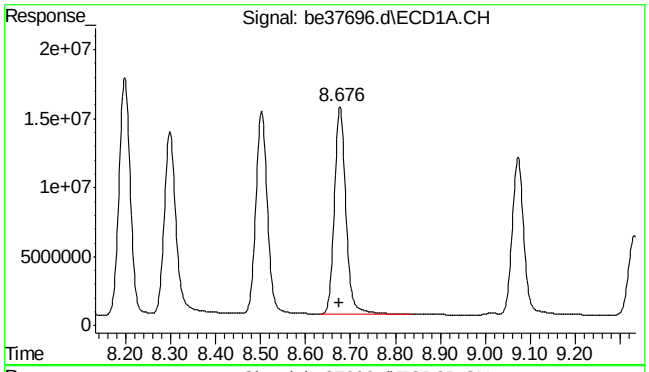


#18 Endosulfan-II

R.T.: 8.621 min
Delta R.T.: 0.000 min
Response: 167771709
Conc: 113.74 ppb m

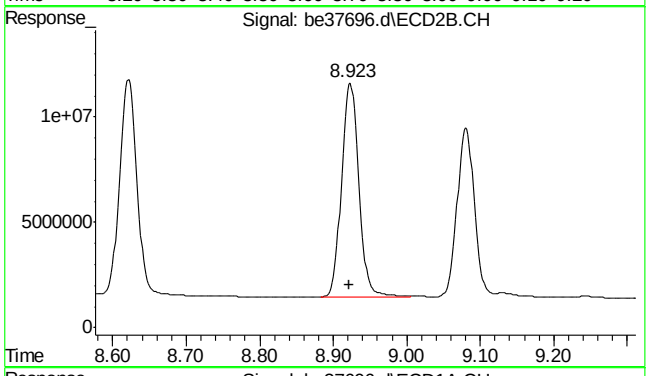
9.6.11

9



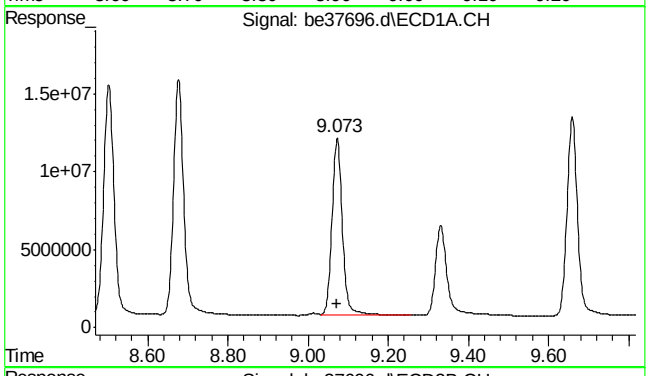
#19 4,4'-DDT

R.T.: 8.676 min
Delta R.T.: 0.001 min
Response: 267011680
Conc: 104.96 ppb m



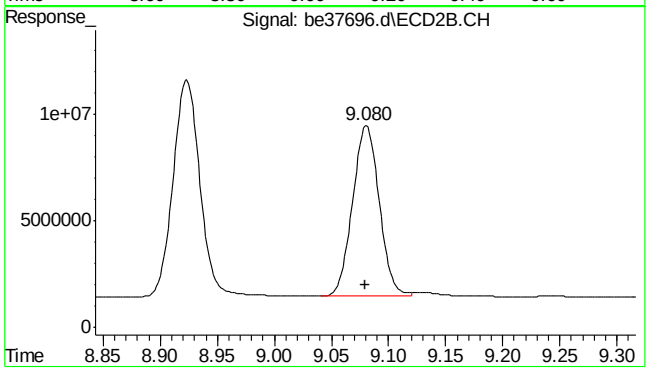
#19 4,4'-DDT

R.T.: 8.923 min
Delta R.T.: 0.000 min
Response: 167171452
Conc: 118.59 ppb m



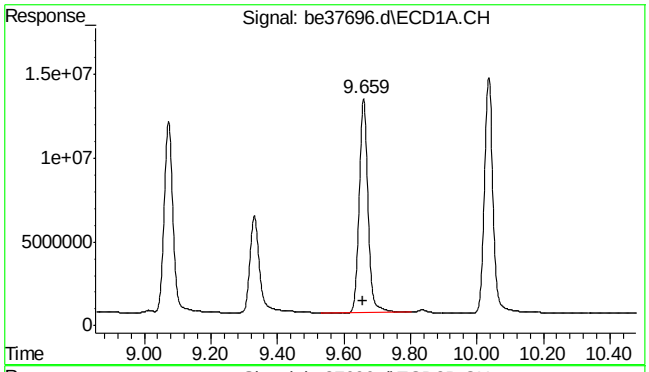
#20 Endrin Aldehyde

R.T.: 9.073 min
Delta R.T.: 0.002 min
Response: 208762401
Conc: 107.53 ppb



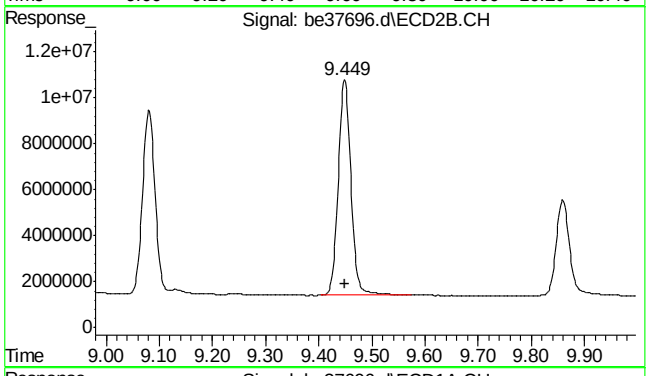
#20 Endrin Aldehyde

R.T.: 9.080 min
Delta R.T.: 0.000 min
Response: 129818264
Conc: 112.80 ppb m



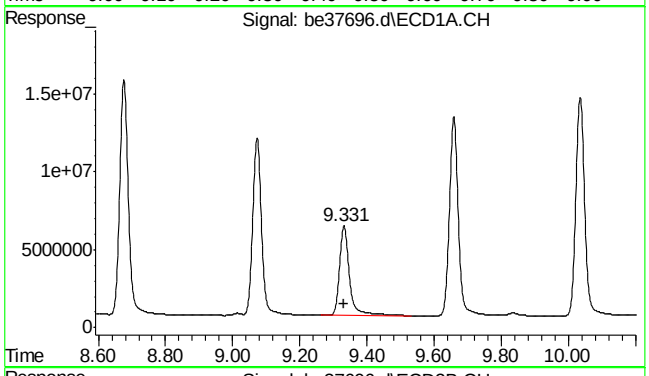
#21 Endosulfan Sulfate

R.T.: 9.660 min
Delta R.T.: 0.000 min
Response: 232161824
Conc: 108.30 ppb



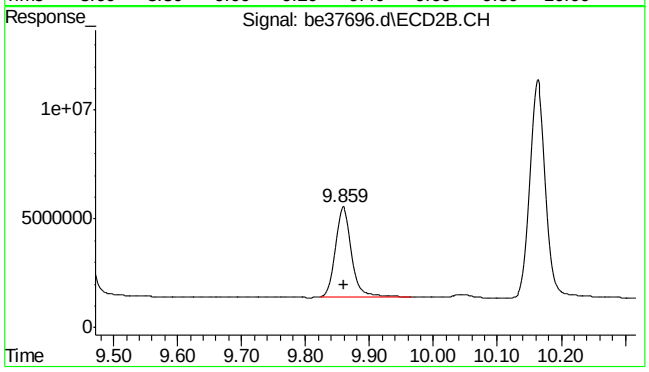
#21 Endosulfan Sulfate

R.T.: 9.449 min
Delta R.T.: 0.000 min
Response: 155375263
Conc: 120.65 ppb m



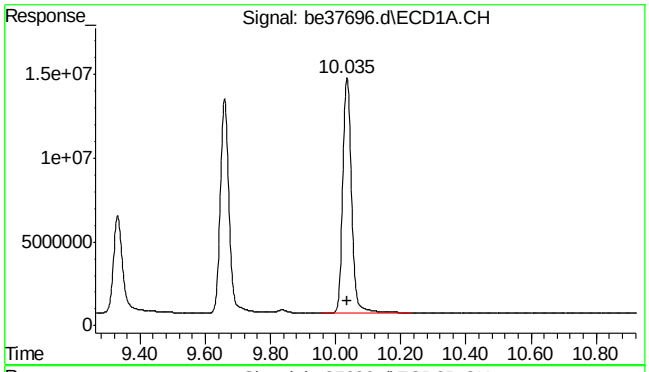
#22 Methoxychlor

R.T.: 9.332 min
Delta R.T.: 0.000 min
Response: 118789671
Conc: 107.35 ppb



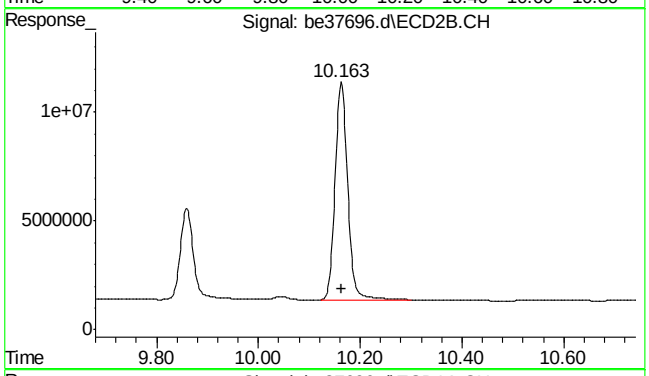
#22 Methoxychlor

R.T.: 9.859 min
Delta R.T.: 0.000 min
Response: 71924414
Conc: 115.66 ppb m



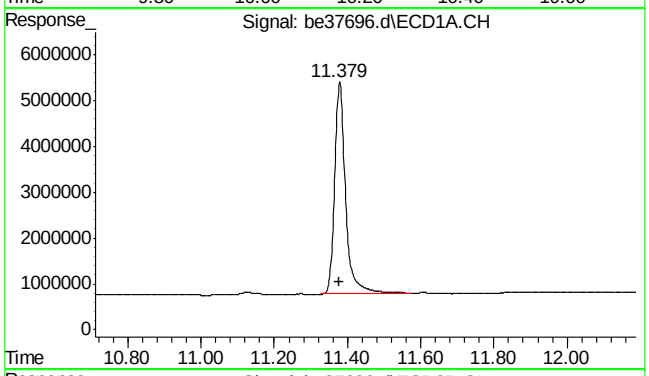
#23 Endrin Ketone

R.T.: 10.036 min
Delta R.T.: 0.000 min
Response: 258931963
Conc: 107.03 ppb



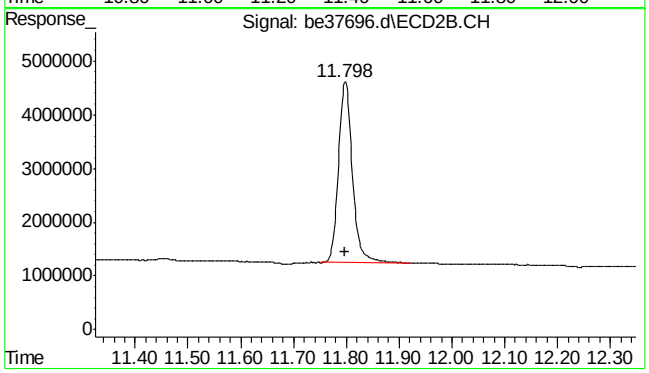
#23 Endrin Ketone

R.T.: 10.163 min
Delta R.T.: -0.002 min
Response: 171702987
Conc: 123.27 ppb m



#38 DCB

R.T.: 11.379 min
Delta R.T.: 0.000 min
Response: 95099460
Conc: 48.85 ppb m



#38 DCB

R.T.: 11.798 min
Delta R.T.: 0.000 min
Response: 61890000
Conc: 60.47 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130816\
Data File : be37702.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16-Aug-13, 20:03:50
Operator : nickk
Sample : ecc1943-100,pest
Misc : op34379,gbe1962,15,,,10,,s
ALS Vial : 96 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 09:44:35 2013
Quant Method : C:\msdchem\1\methods\PT130816.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.637	3.599	103.6E6	80595172	35.966	42.865
	Spiked Amount 40.000			Recovery =		89.92%	107.16%
38) s	DCB	11.376	11.798	63250010	27506015	32.489m	26.873m
	Spiked Amount 40.000			Recovery =		81.22%	67.18%
	Target Compounds						
2)	Hexachlor...	4.238	4.320	336.5E6	238.2E6	78.200	93.962
3)	Alpha-BHC	4.496	4.544	374.2E6	272.2E6	79.451	91.655
4)	Gamma-BHC	4.981	5.086	334.1E6	237.2E6	78.782	88.342
5)	Beta-BHC	5.113	5.221	130.8E6	94970711	74.145	86.853
6)	Heptachlor	5.691	5.724	298.1E6	199.9E6	76.596	88.481
7)	Delta-BHC	5.378	5.653	320.7E6	230.5E6	76.963	89.121
8)	Alachlor	6.354	6.079	230.4E6	121.8E6	886.417	815.352
9)	Aldrin	6.131	6.186	279.1E6	189.7E6	73.760	82.697
10)	Heptachlo...	7.000	7.005	231.0E6	146.7E6	72.397	79.800
11)	Gamma-Chl...	7.175	7.266	237.2E6	157.1E6	68.584	79.460
12)	Alpha-Chl...	7.361	7.470	218.8E6	146.1E6	69.762	78.908
13)	Endosulfan-I	7.549	7.542	205.5E6	132.8E6	69.362	77.810
14)	4,4'-DDE	7.479	7.720	215.2E6	143.7E6	74.837	80.980
15)	Dieldrin	7.880	7.919	220.1E6	145.1E6	69.784	77.210
16)	Endrin	8.199	8.332	204.2E6	128.7E6	75.017	79.199m
17)	4,4'-DDD	8.297	8.506	170.4E6	109.3E6	76.249	78.551m
18)	Endosulfa...	8.502	8.623	171.1E6	112.4E6	68.394	73.984
19)	4,4'-DDT	8.676	8.924	172.7E6	108.6E6	67.683	75.529m
20)	Endrin Al...	9.073	9.082	129.6E6	79922167	65.683	66.892
21)	Endosulfa...	9.659	9.450	146.8E6	93351156	67.586	69.548m
22)	Methoxychlor	9.330	9.859	79379294	47018926	71.024m	73.550m
23)	Endrin Ke...	10.035	10.164	168.6E6	98100106	68.883	67.594m

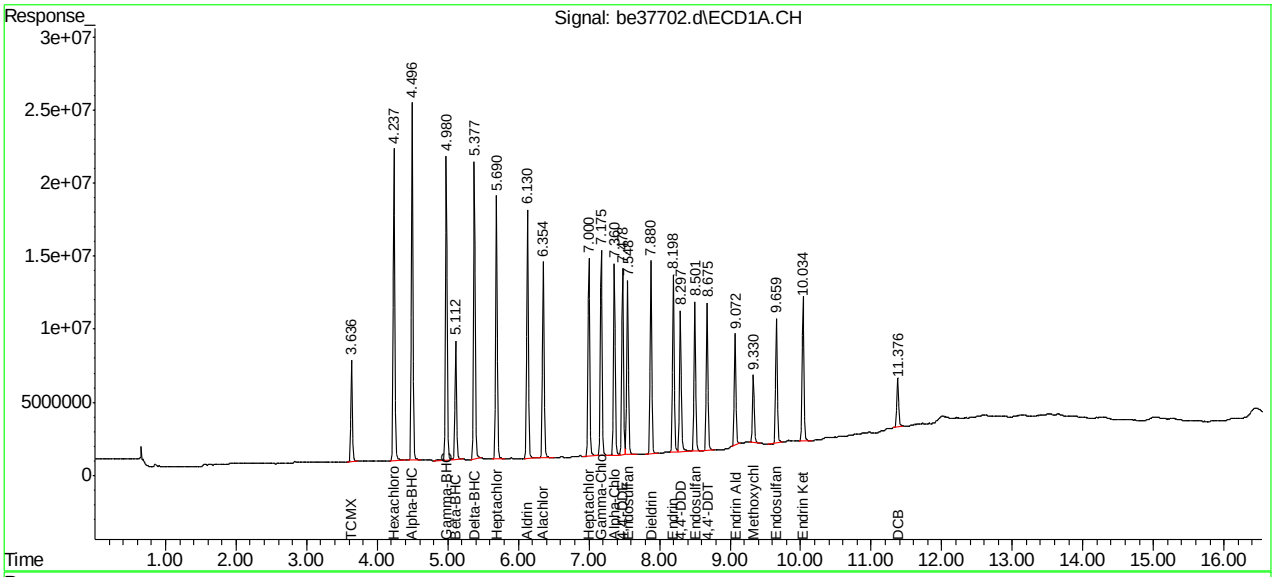
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

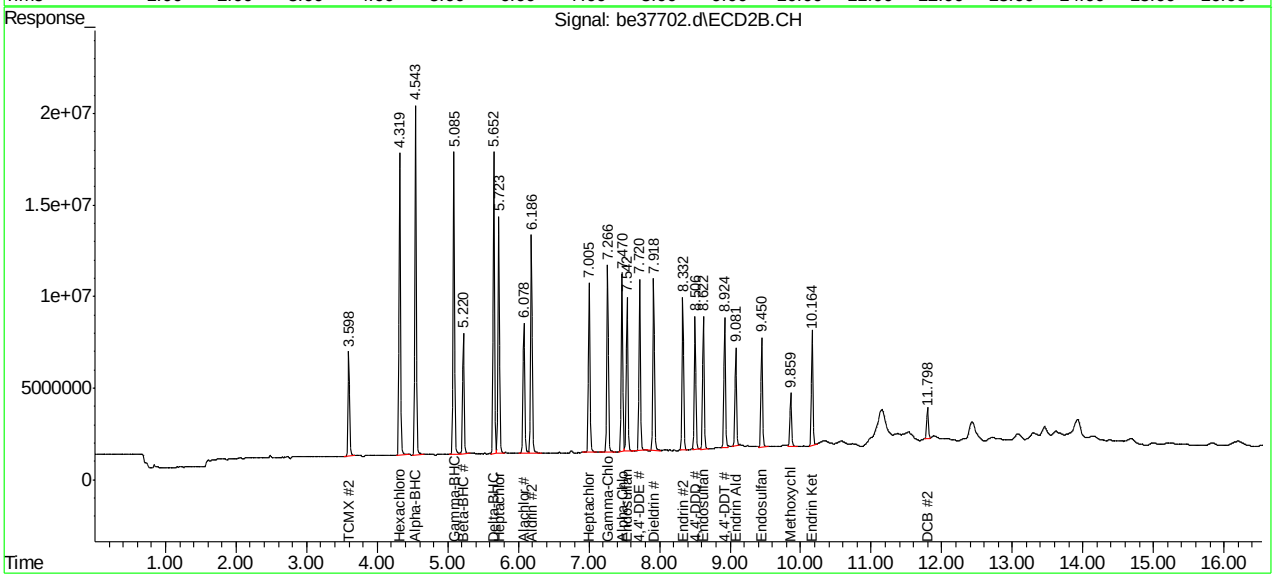
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130816\
Data File : be37702.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16-Aug-13, 20:03:50
Operator : nickk
Sample : ecc1943-100,pest
Misc : op34379,gbe1962,15,,,10,,s
ALS Vial : 96 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

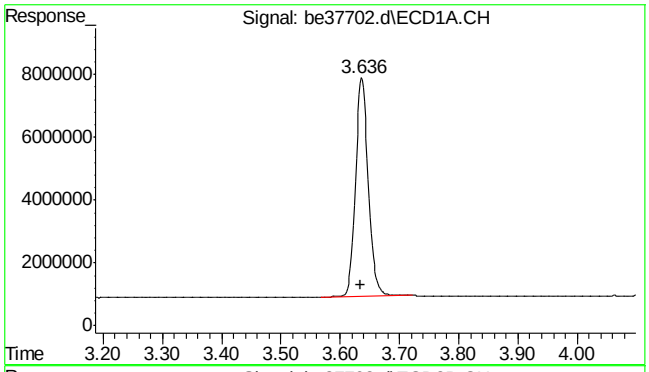
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 09:44:35 2013
Quant Method : C:\msdchem\1\methods\PT130816.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



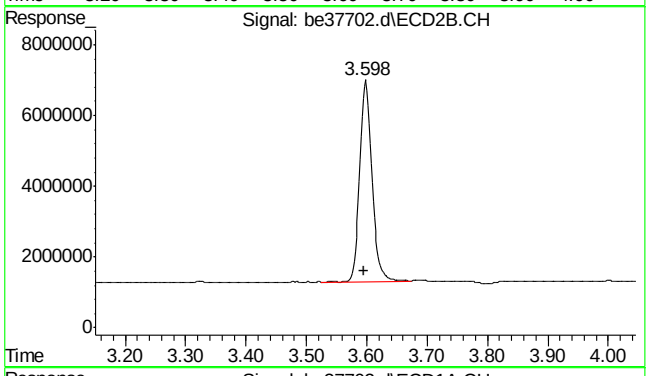


ACCUTEST LABORATORIES MC23456



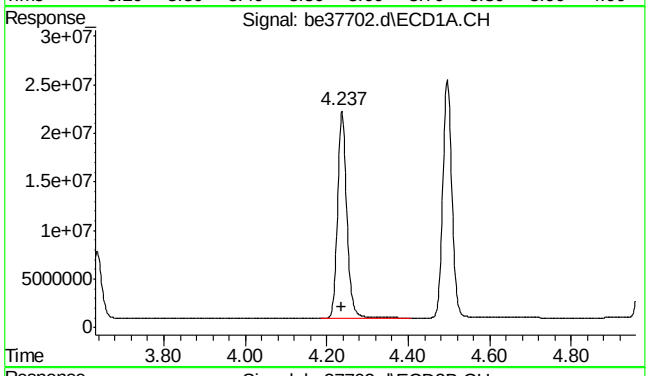
#1 TCMX

R.T.: 3.637 min
Delta R.T.: 0.003 min
Response: 103610425
Conc: 35.97 ppb



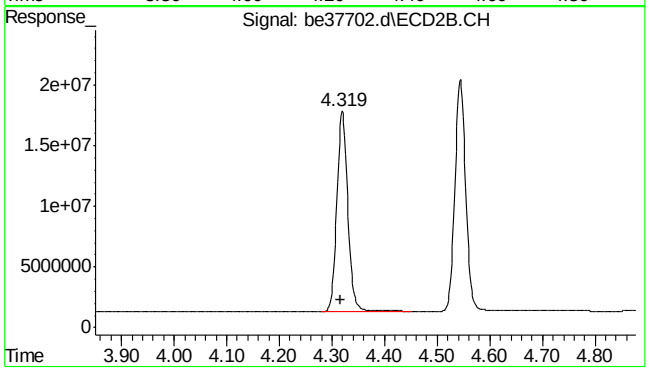
#1 TCMX

R.T.: 3.599 min
Delta R.T.: 0.003 min
Response: 80595172
Conc: 42.87 ppb



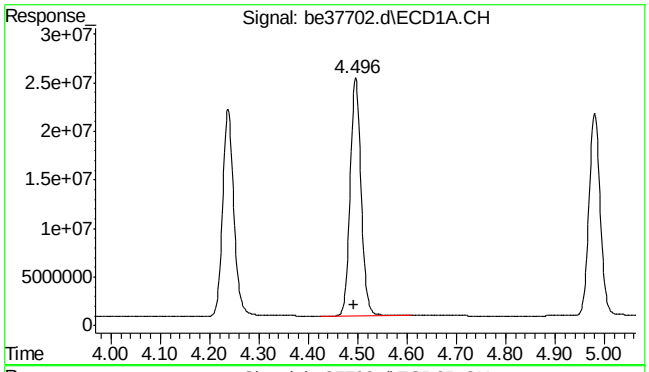
#2 Hexachlorobenzene

R.T.: 4.238 min
Delta R.T.: 0.002 min
Response: 336520142
Conc: 78.20 ppb



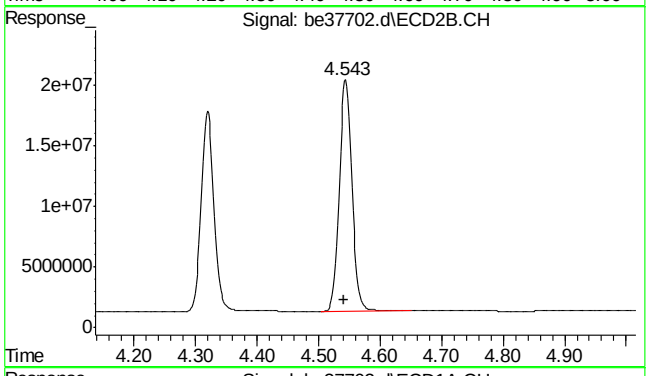
#2 Hexachlorobenzene

R.T.: 4.320 min
Delta R.T.: 0.004 min
Response: 238208885
Conc: 93.96 ppb



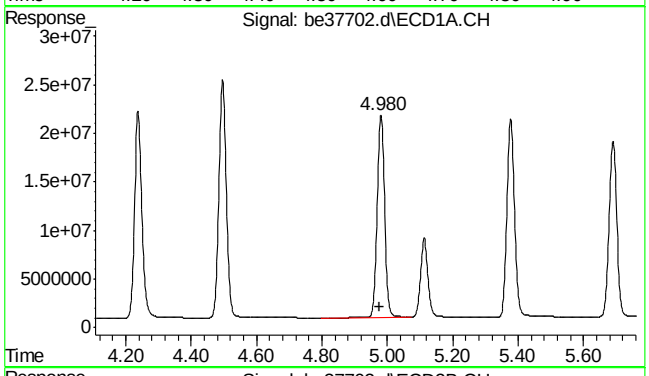
#3 Alpha-BHC

R.T.: 4.496 min
Delta R.T.: 0.003 min
Response: 374226133
Conc: 79.45 ppb



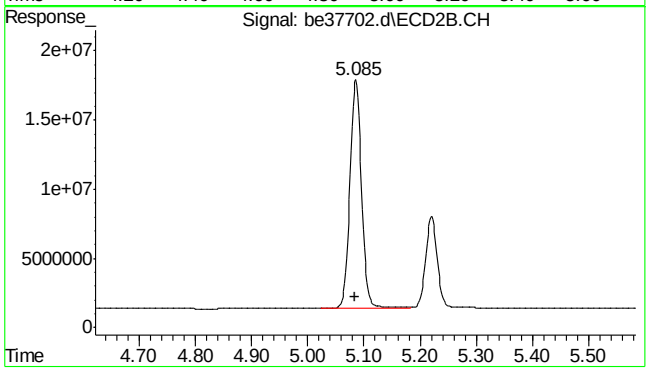
#3 Alpha-BHC

R.T.: 4.544 min
Delta R.T.: 0.002 min
Response: 272248960
Conc: 91.65 ppb



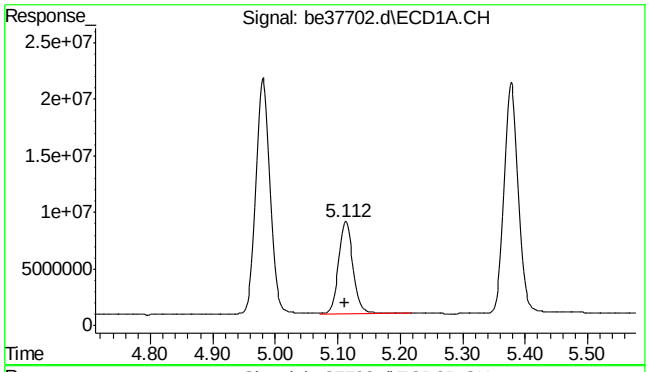
#4 Gamma-BHC

R.T.: 4.981 min
Delta R.T.: 0.003 min
Response: 334149697
Conc: 78.78 ppb



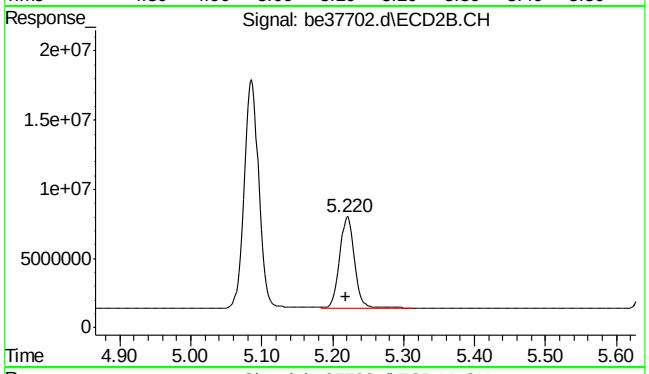
#4 Gamma-BHC

R.T.: 5.086 min
Delta R.T.: 0.002 min
Response: 237188841
Conc: 88.34 ppb



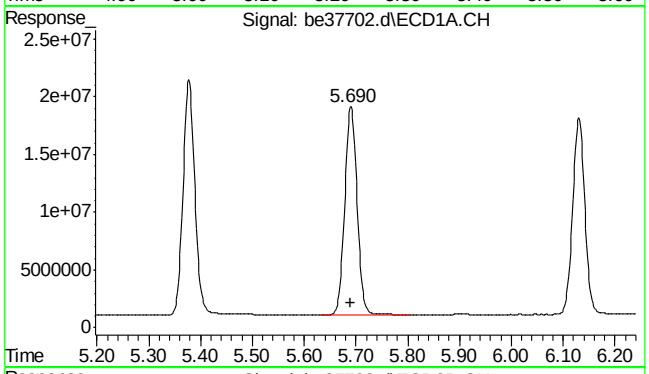
#5 Beta-BHC

R.T.: 5.113 min
Delta R.T.: 0.002 min
Response: 130770951
Conc: 74.14 ppb



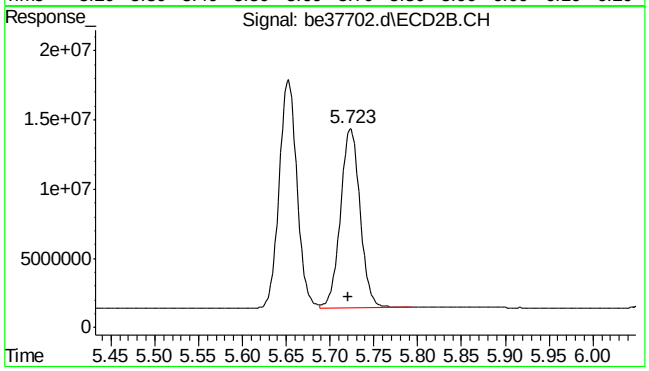
#5 Beta-BHC

R.T.: 5.221 min
Delta R.T.: 0.002 min
Response: 94970711
Conc: 86.85 ppb



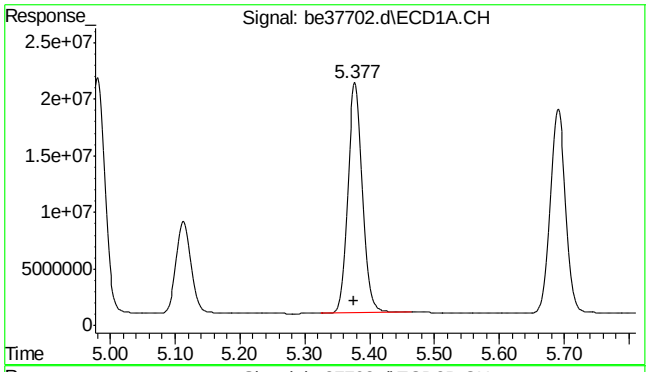
#6 Heptachlor

R.T.: 5.691 min
Delta R.T.: 0.002 min
Response: 298133059
Conc: 76.60 ppb



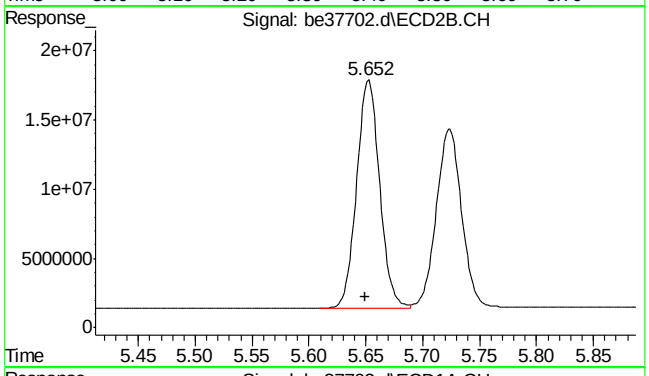
#6 Heptachlor

R.T.: 5.724 min
Delta R.T.: 0.002 min
Response: 199890252
Conc: 88.48 ppb



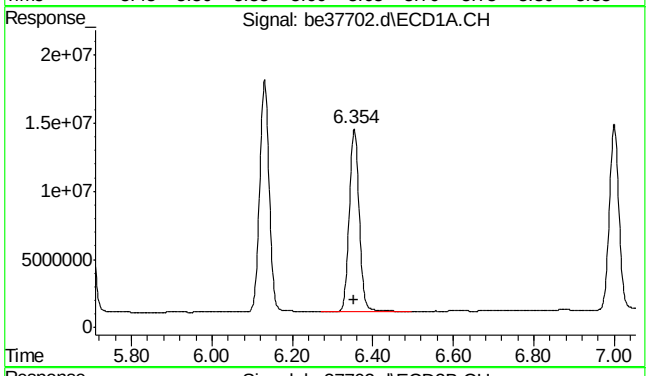
#7 Delta-BHC

R.T.: 5.378 min
Delta R.T.: 0.003 min
Response: 320688755
Conc: 76.96 ppb



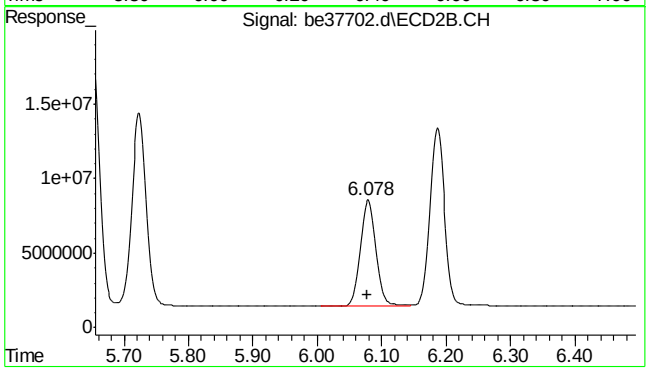
#7 Delta-BHC

R.T.: 5.653 min
Delta R.T.: 0.003 min
Response: 230479928
Conc: 89.12 ppb



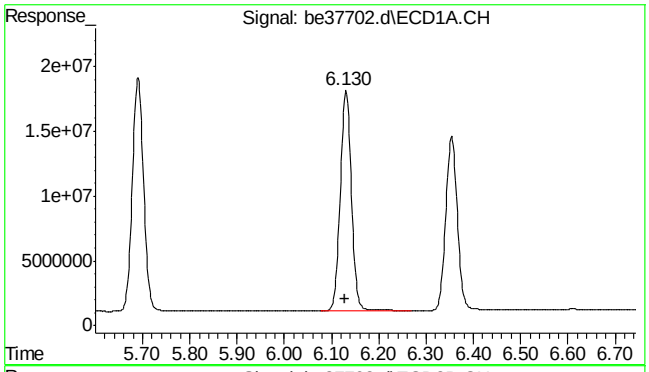
#8 Alachlor

R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 230425682
Conc: 886.42 ppb



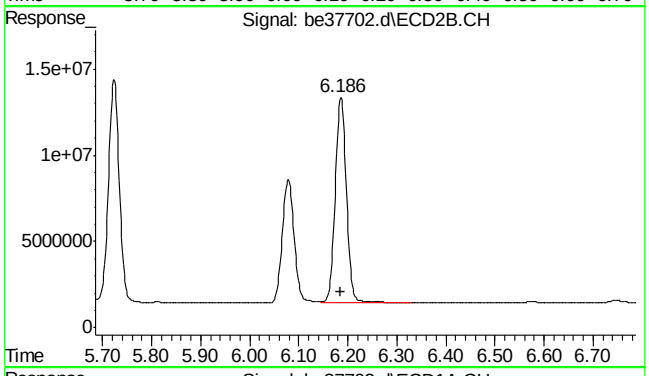
#8 Alachlor

R.T.: 6.079 min
Delta R.T.: 0.002 min
Response: 121760021
Conc: 815.35 ppb



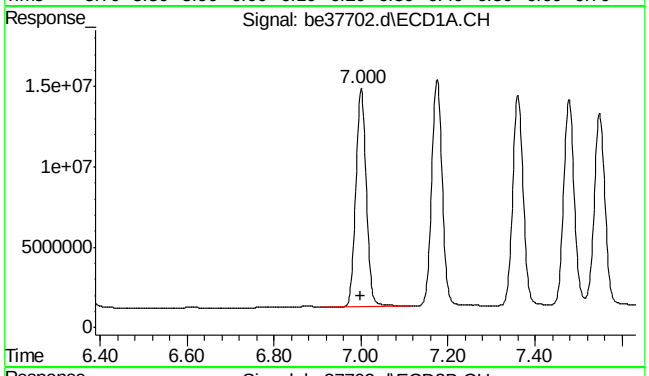
#9 Aldrin

R.T.: 6.131 min
Delta R.T.: 0.003 min
Response: 279103259
Conc: 73.76 ppb



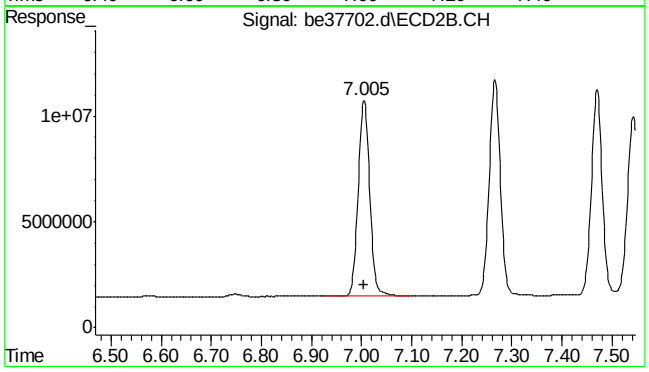
#9 Aldrin

R.T.: 6.186 min
Delta R.T.: 0.001 min
Response: 189676720
Conc: 82.70 ppb



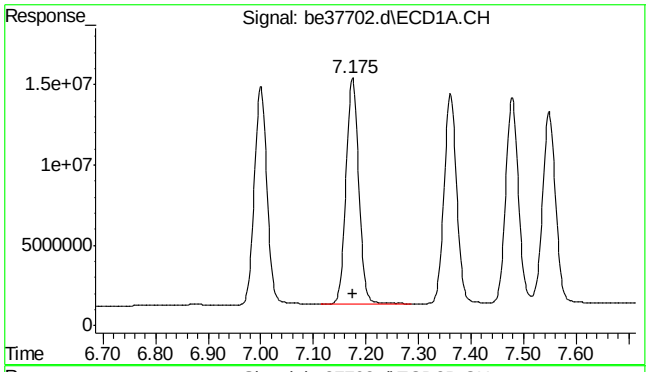
#10 Heptachlor Epoxide

R.T.: 7.000 min
Delta R.T.: 0.001 min
Response: 231005605
Conc: 72.40 ppb



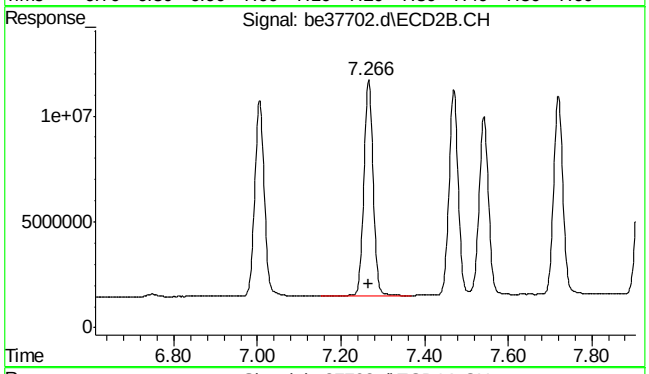
#10 Heptachlor Epoxide

R.T.: 7.005 min
Delta R.T.: 0.001 min
Response: 146730732
Conc: 79.80 ppb



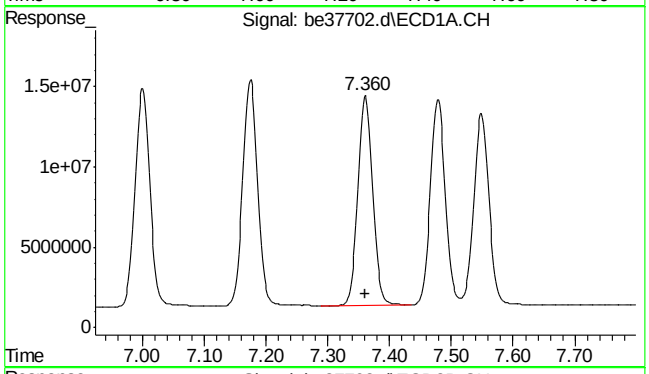
#11 Gamma-Chlordane

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 237209011
Conc: 68.58 ppb



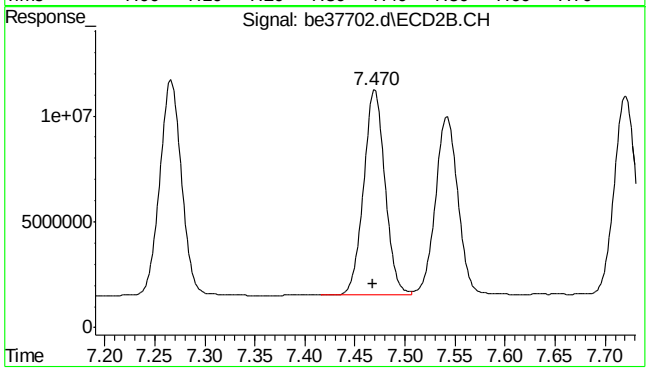
#11 Gamma-Chlordane

R.T.: 7.266 min
Delta R.T.: 0.002 min
Response: 157101522
Conc: 79.46 ppb



#12 Alpha-Chlordane

R.T.: 7.361 min
Delta R.T.: 0.001 min
Response: 218783629
Conc: 69.76 ppb

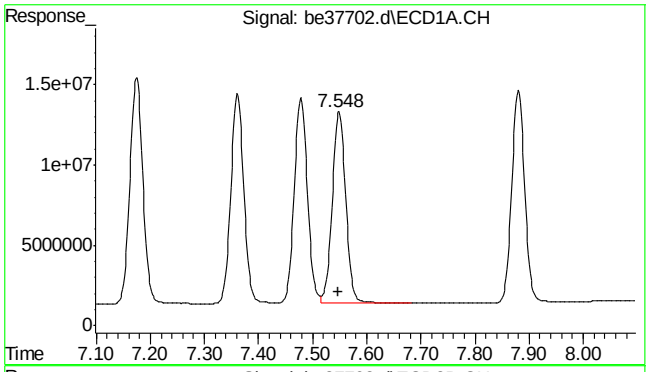


#12 Alpha-Chlordane

R.T.: 7.470 min
Delta R.T.: 0.002 min
Response: 146127609
Conc: 78.91 ppb

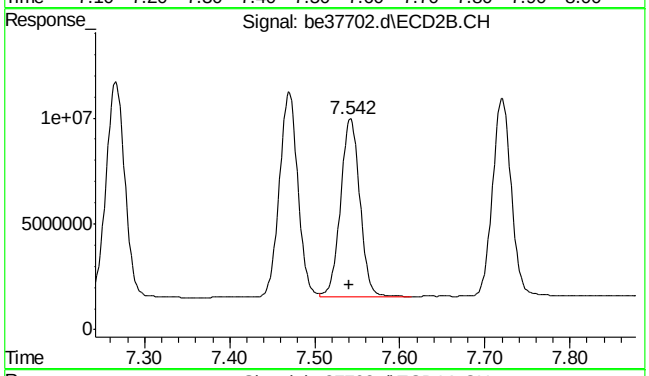
9.6.12

9



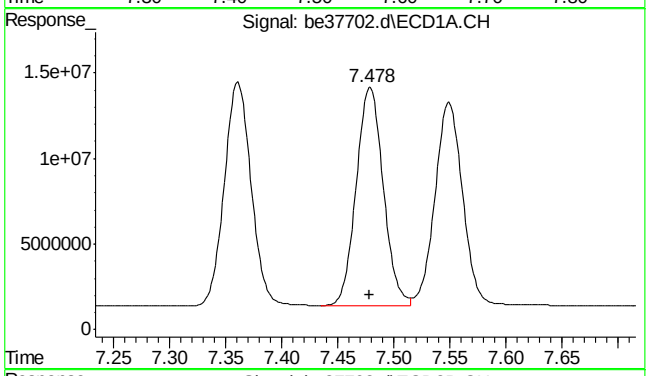
#13 Endosulfan-I

R.T.: 7.549 min
Delta R.T.: 0.000 min
Response: 205536858
Conc: 69.36 ppb



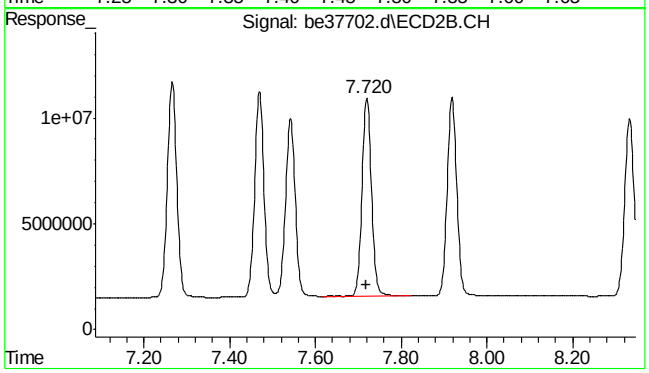
#13 Endosulfan-I

R.T.: 7.542 min
Delta R.T.: 0.002 min
Response: 132809532
Conc: 77.81 ppb



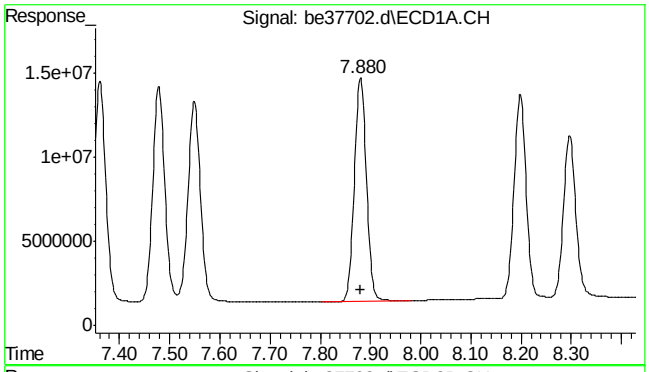
#14 4,4'-DDE

R.T.: 7.479 min
Delta R.T.: 0.000 min
Response: 215153746
Conc: 74.84 ppb



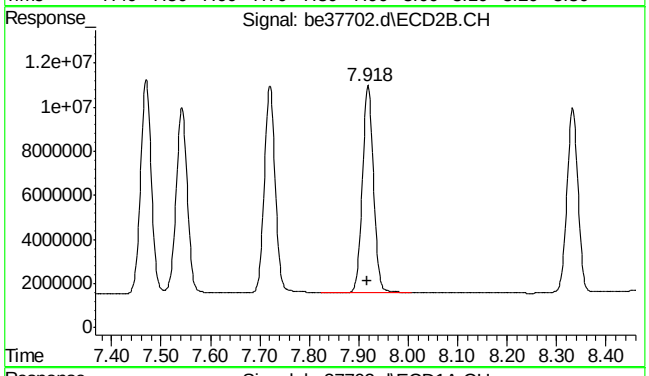
#14 4,4'-DDE

R.T.: 7.720 min
Delta R.T.: 0.001 min
Response: 143747931
Conc: 80.98 ppb



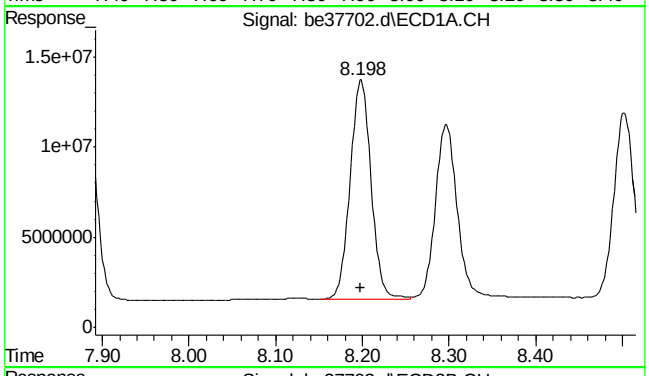
#15 Dieldrin

R.T.: 7.880 min
Delta R.T.: 0.000 min
Response: 220073848
Conc: 69.78 ppb



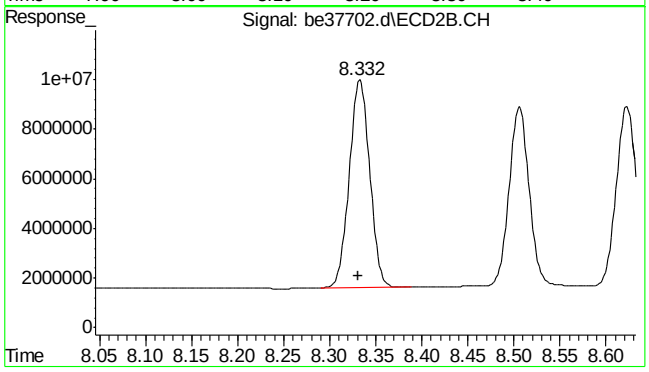
#15 Dieldrin

R.T.: 7.919 min
Delta R.T.: 0.000 min
Response: 145118780
Conc: 77.21 ppb



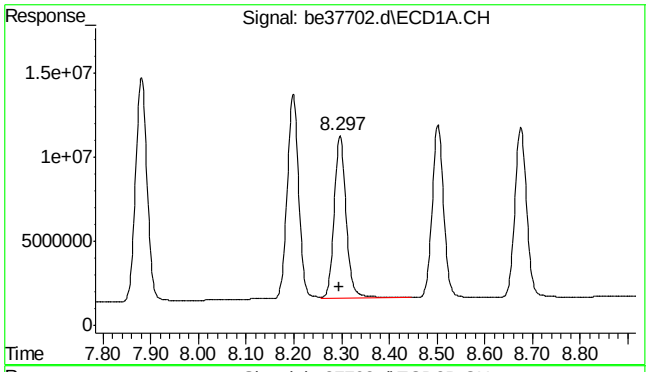
#16 Endrin

R.T.: 8.199 min
Delta R.T.: 0.001 min
Response: 204235979
Conc: 75.02 ppb



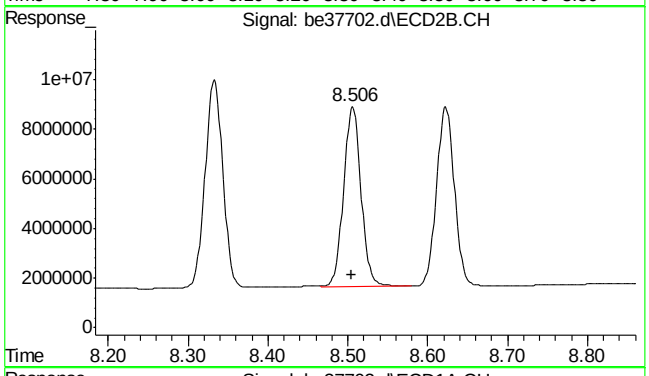
#16 Endrin

R.T.: 8.332 min
Delta R.T.: 0.001 min
Response: 128748291
Conc: 79.20 ppb m



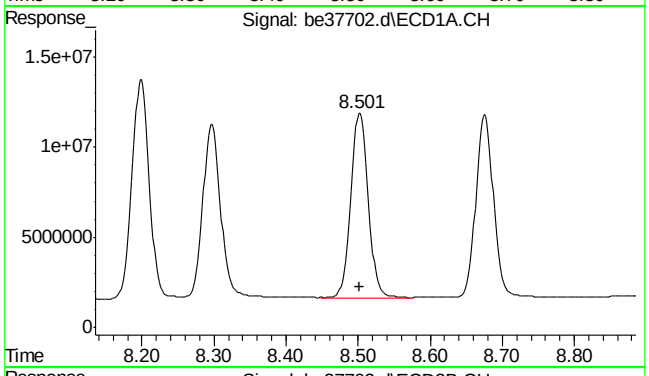
#17 4,4'-DDD

R.T.: 8.297 min
Delta R.T.: 0.001 min
Response: 170380668
Conc: 76.25 ppb



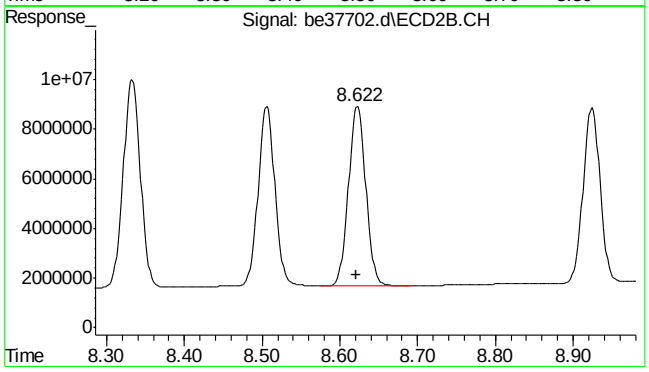
#17 4,4'-DDD

R.T.: 8.506 min
Delta R.T.: 0.001 min
Response: 109269995
Conc: 78.55 ppb m



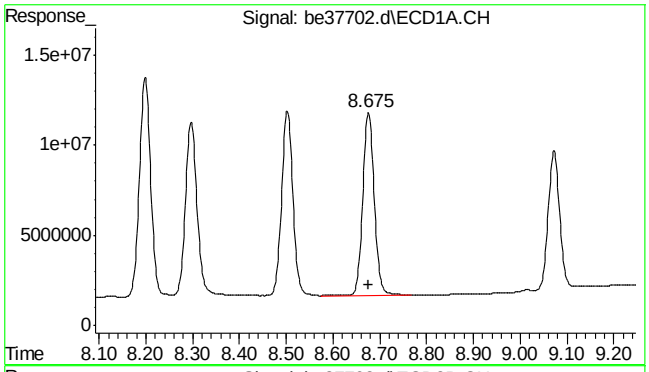
#18 Endosulfan-II

R.T.: 8.502 min
Delta R.T.: 0.000 min
Response: 171090140
Conc: 68.39 ppb



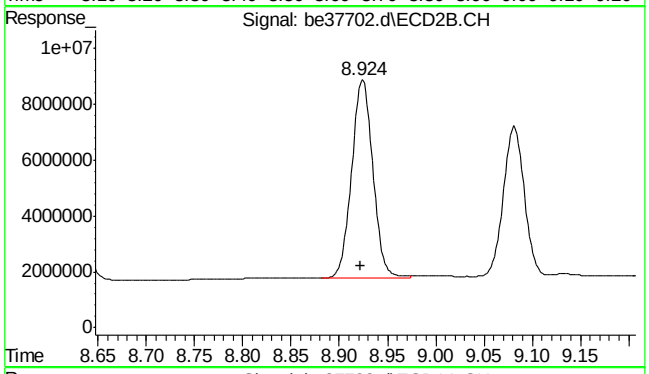
#18 Endosulfan-II

R.T.: 8.623 min
Delta R.T.: 0.002 min
Response: 112393033
Conc: 73.98 ppb



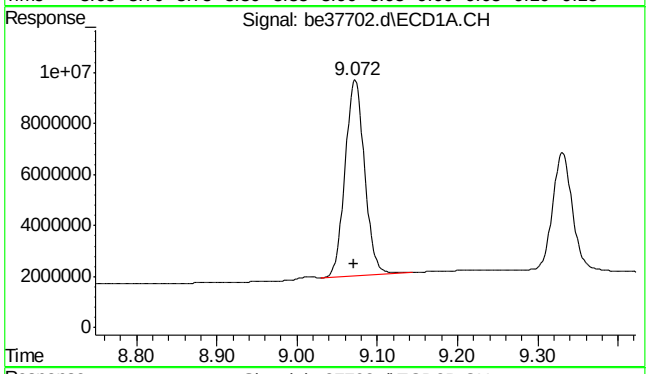
#19 4,4'-DDT

R.T.: 8.676 min
Delta R.T.: 0.001 min
Response: 172693772
Conc: 67.68 ppb



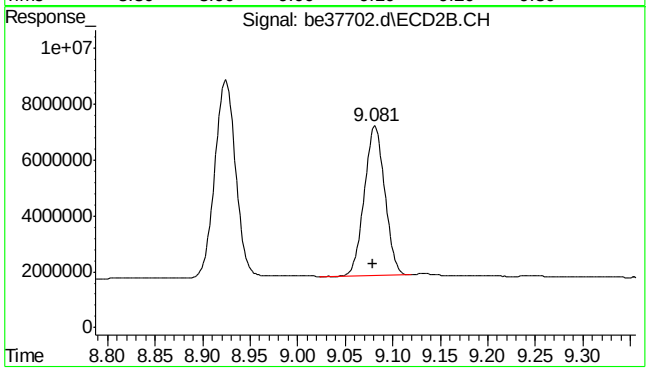
#19 4,4'-DDT

R.T.: 8.924 min
Delta R.T.: 0.001 min
Response: 108642625
Conc: 75.53 ppb m



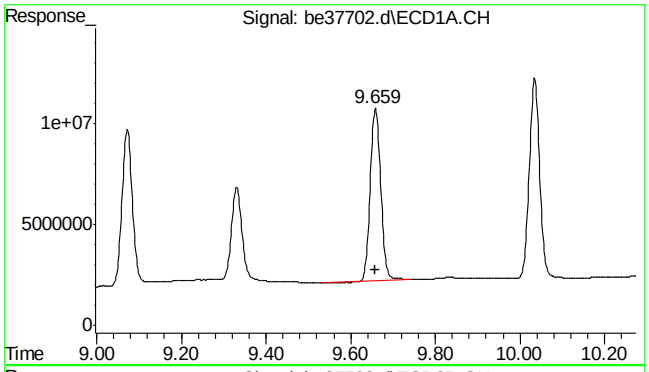
#20 Endrin Aldehyde

R.T.: 9.073 min
Delta R.T.: 0.001 min
Response: 129590043
Conc: 65.68 ppb



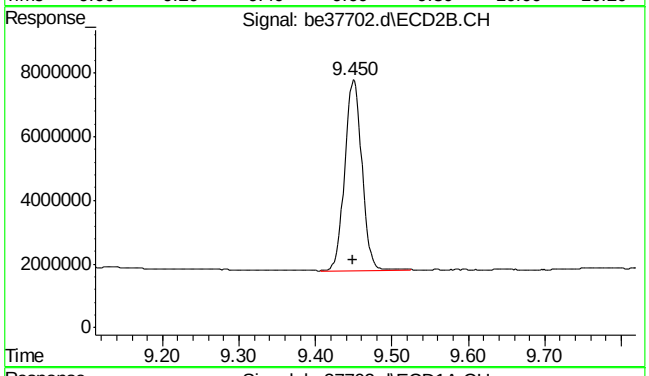
#20 Endrin Aldehyde

R.T.: 9.082 min
Delta R.T.: 0.002 min
Response: 79922167
Conc: 66.89 ppb



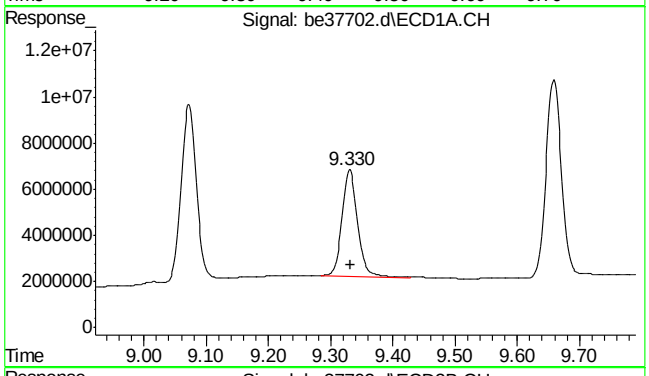
#21 Endosulfan Sulfate

R.T.: 9.659 min
Delta R.T.: 0.000 min
Response: 146787055
Conc: 67.59 ppb



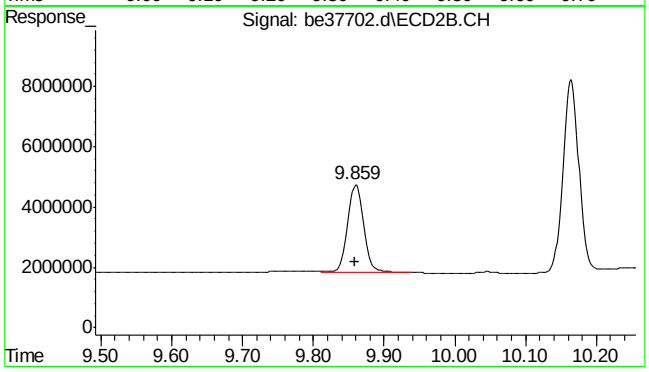
#21 Endosulfan Sulfate

R.T.: 9.450 min
Delta R.T.: 0.000 min
Response: 93351156
Conc: 69.55 ppb m



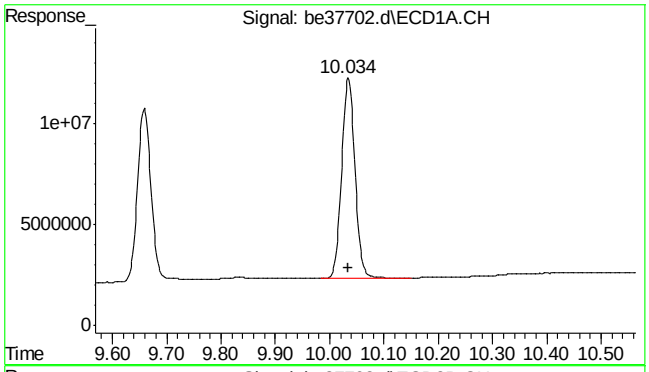
#22 Methoxychlor

R.T.: 9.330 min
Delta R.T.: -0.001 min
Response: 79379294
Conc: 71.02 ppb m



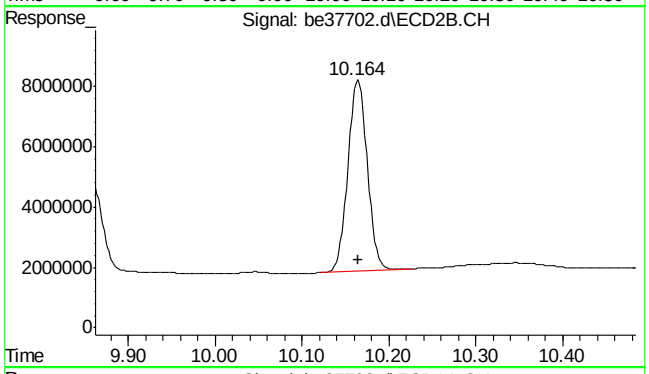
#22 Methoxychlor

R.T.: 9.859 min
Delta R.T.: 0.000 min
Response: 47018926
Conc: 73.55 ppb m



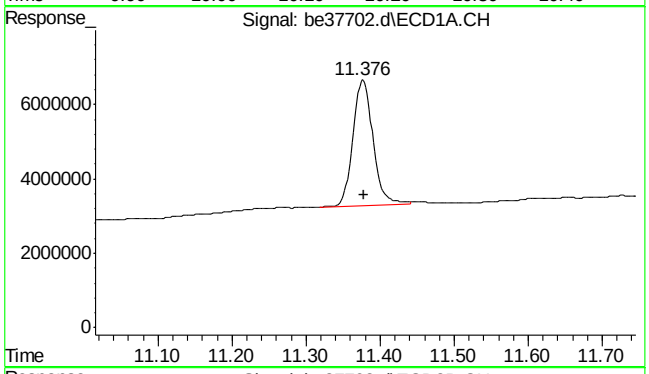
#23 Endrin Ketone

R.T.: 10.035 min
Delta R.T.: 0.000 min
Response: 168557496
Conc: 68.88 ppb



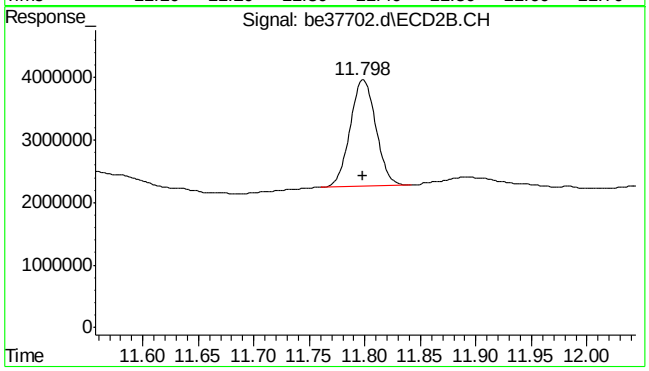
#23 Endrin Ketone

R.T.: 10.164 min
Delta R.T.: 0.000 min
Response: 98100106
Conc: 67.59 ppb m



#38 DCB

R.T.: 11.376 min
Delta R.T.: -0.003 min
Response: 63250010
Conc: 32.49 ppb m



#38 DCB

R.T.: 11.798 min
Delta R.T.: 0.000 min
Response: 27506015
Conc: 26.87 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Sona Liskova
08/20/13 12:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130819\
Data File : be37742.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20-Aug-13, 00:37:56
Operator : nickk
Sample : cc1943-100,pest
Misc : op34379,gbe1963,15,,,10,,s
ALS Vial : 96 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 08:43:39 2013
Quant Method : C:\msdchem\1\methods\PT130819.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.634	3.598	146.7E6	100.4E6	50.928	53.402
	Spiked Amount 40.000			Recovery	=	127.32%	133.51%
38) s	DCB	11.375	11.796	99585142	61594245	51.153	60.177m
	Spiked Amount 40.000			Recovery	=	127.88%	150.44%
	Target Compounds						
2)	Hexachlor...	4.234	4.319	479.7E6	301.4E6	111.469m	119.874
3)	Alpha-BHC	4.492	4.543	540.2E6	349.4E6	114.691m	118.084
4)	Gamma-BHC	4.977	5.085	486.2E6	316.1E6	114.622	118.684
5)	Beta-BHC	5.110	5.218	197.9E6	123.4E6	112.179	114.277m
6)	Heptachlor	5.687	5.722	425.2E6	266.1E6	111.182	120.367m
7)	Delta-BHC	5.373	5.651	473.5E6	304.7E6	113.626m	118.819m
8)	Alachlor	6.350	6.077	267.4E6	137.0E6	1037.929	934.214
9)	Aldrin	6.127	6.184	427.9E6	256.8E6	113.086	114.049m
10)	Heptachlo...	6.997	7.004	347.0E6	215.6E6	110.987	120.448
11)	Gamma-Chl...	7.172	7.264	392.6E6	238.7E6	113.519	123.145m
12)	Alpha-Chl...	7.357	7.469	362.2E6	225.2E6	115.498m	124.120
13)	Endosulfan-I	7.546	7.541	327.6E6	201.6E6	112.734	122.158
14)	4,4'-DDE	7.476	7.719	343.0E6	222.6E6	119.303m	128.258
15)	Dieldrin	7.877	7.918	351.1E6	225.8E6	113.073	124.310
16)	Endrin	8.195	8.331	311.8E6	200.8E6	114.510m	128.015m
17)	4,4'-DDD	8.293	8.504	278.7E6	182.0E6	124.743m	134.693m
18)	Endosulfa...	8.498	8.620	272.9E6	183.4E6	110.816m	125.270m
19)	4,4'-DDT	8.673	8.923	264.7E6	165.9E6	104.043	117.671
20)	Endrin Al...	9.069	9.078	216.9E6	140.6E6	111.890	123.070m
21)	Endosulfa...	9.656	9.448	240.2E6	164.2E6	112.188	128.190m
22)	Methoxychlor	9.327	9.857	116.5E6	74253886	105.204	119.715m
23)	Endrin Ke...	10.031	10.162	268.8E6	178.0E6	111.218	128.227m

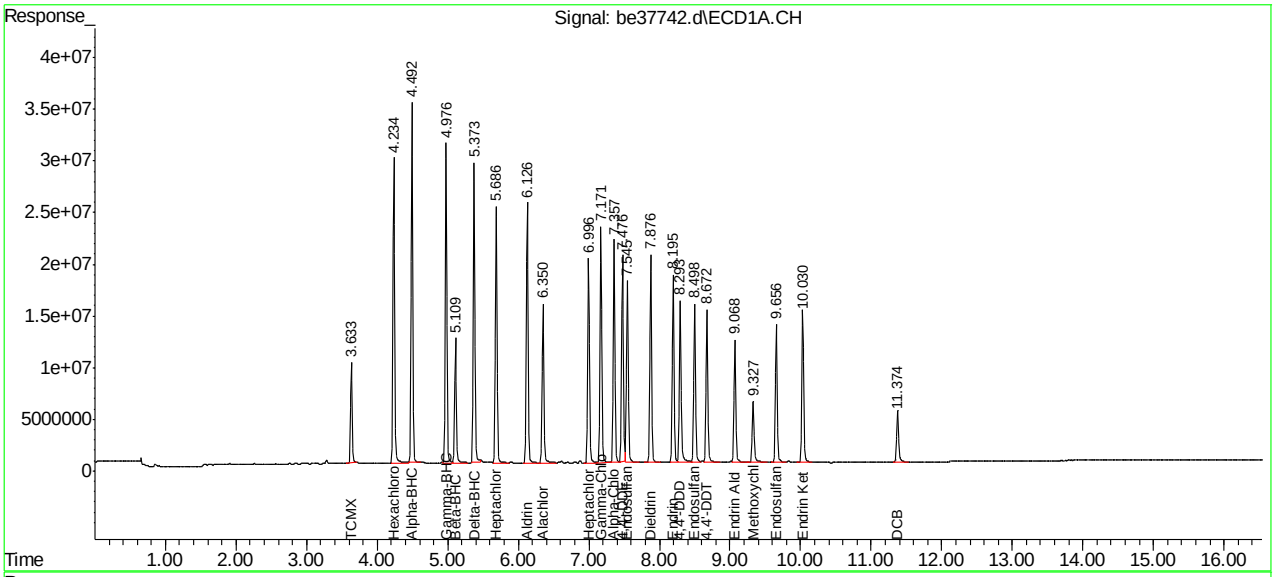
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

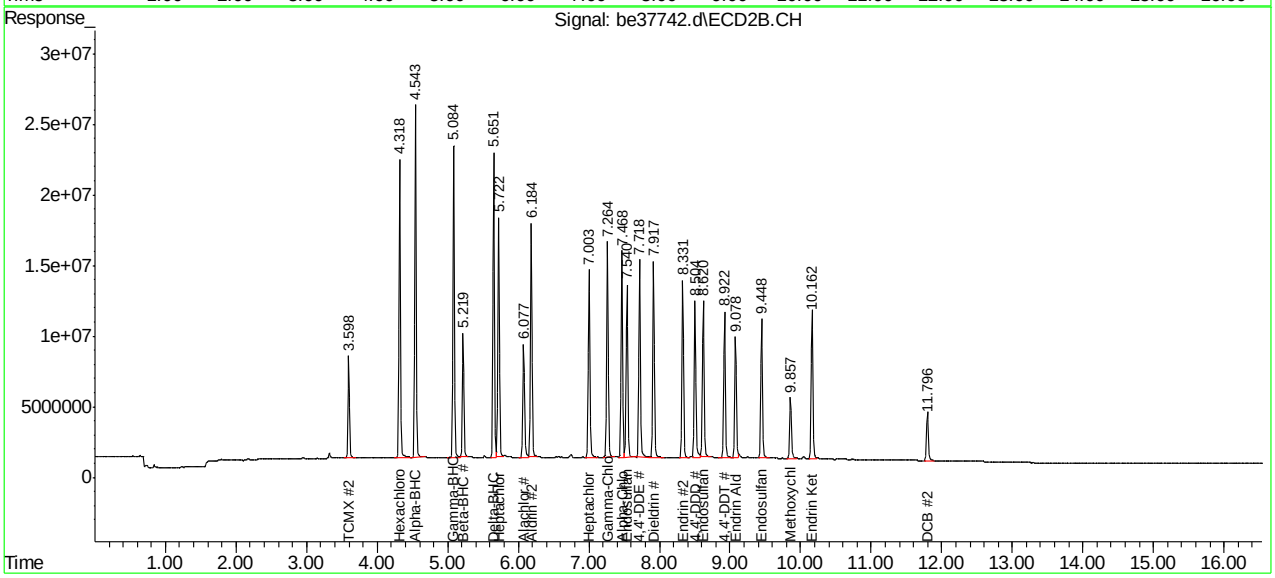
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130819\
Data File : be37742.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20-Aug-13, 00:37:56
Operator : nickk
Sample : cc1943-100,pest
Misc : op34379,gbe1963,15,,,10,,s
ALS Vial : 96 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

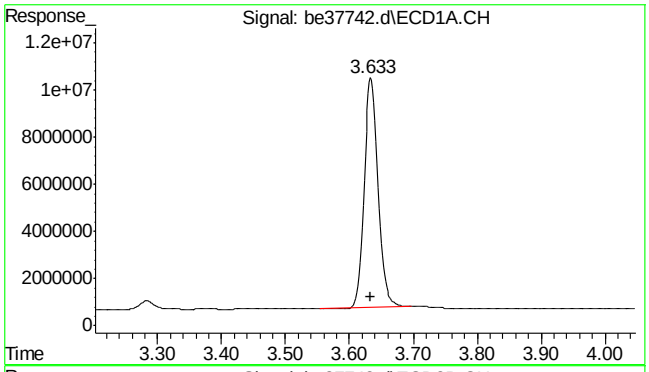
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 08:43:39 2013
Quant Method : C:\msdchem\1\methods\PT130819.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



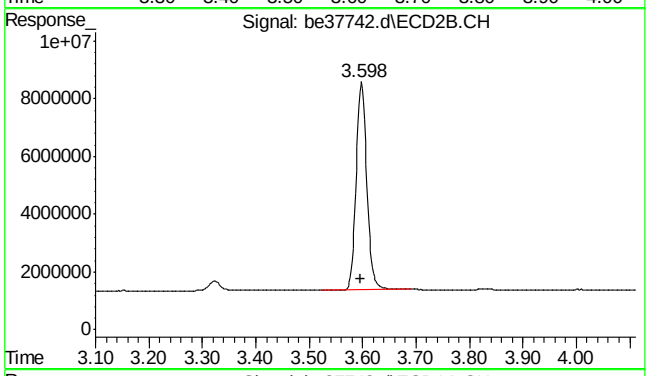


ACCUTEST LABORATORIES MC23456



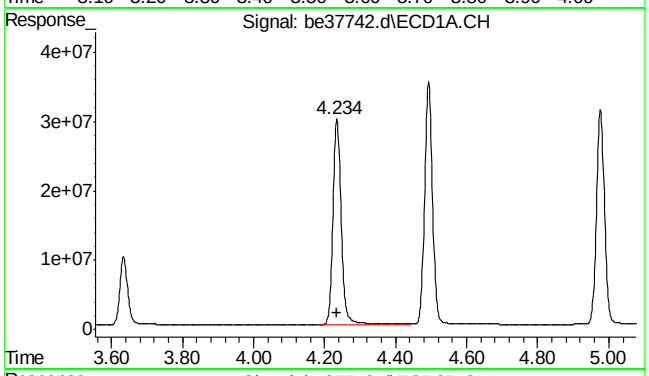
#1 TCMX

R.T.: 3.634 min
Delta R.T.: 0.000 min
Response: 146713765
Conc: 50.93 ppb



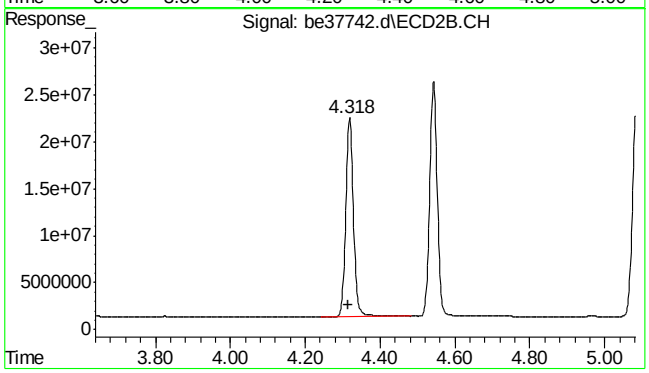
#1 TCMX

R.T.: 3.598 min
Delta R.T.: 0.003 min
Response: 100405687
Conc: 53.40 ppb



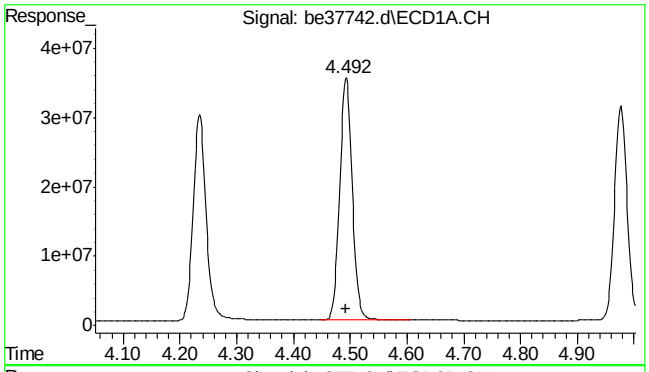
#2 Hexachlorobenzene

R.T.: 4.234 min
Delta R.T.: -0.001 min
Response: 479688660
Conc: 111.47 ppb m



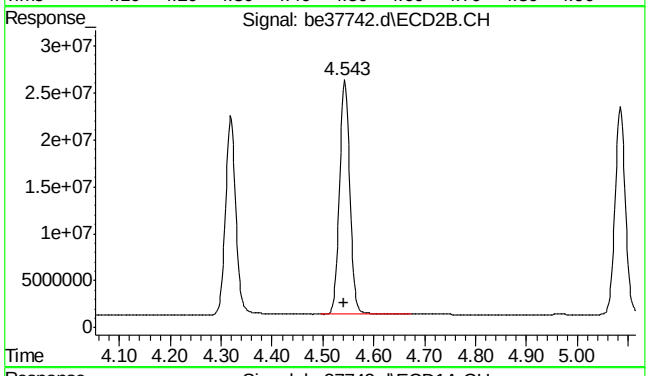
#2 Hexachlorobenzene

R.T.: 4.319 min
Delta R.T.: 0.003 min
Response: 301436478
Conc: 119.87 ppb



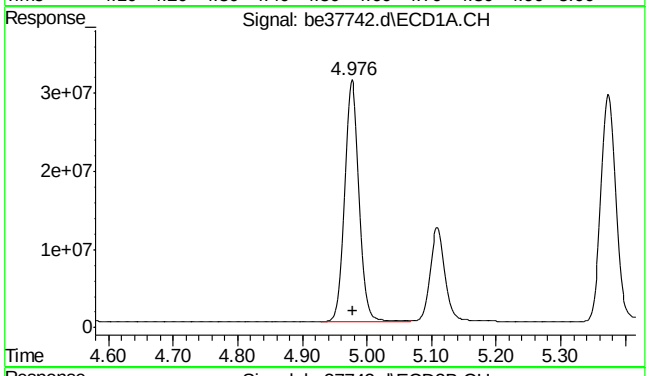
#3 Alpha-BHC

R.T.: 4.492 min
Delta R.T.: -0.001 min
Response: 540212432
Conc: 114.69 ppb m



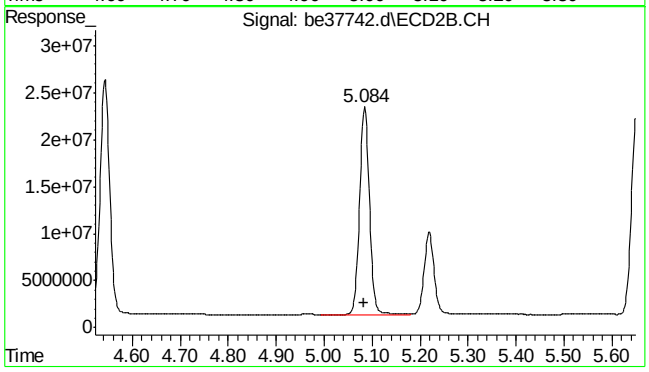
#3 Alpha-BHC

R.T.: 4.543 min
Delta R.T.: 0.001 min
Response: 349416340
Conc: 118.08 ppb



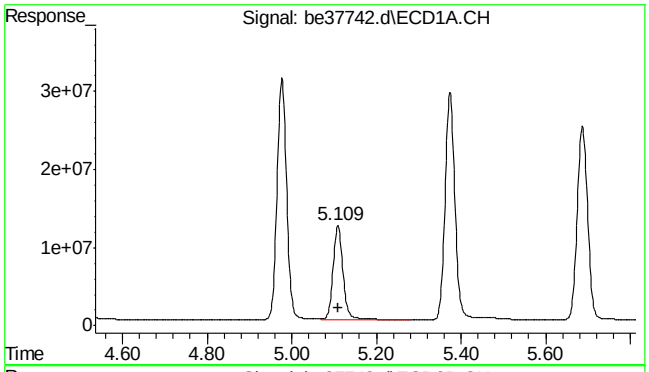
#4 Gamma-BHC

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 486161079
Conc: 114.62 ppb



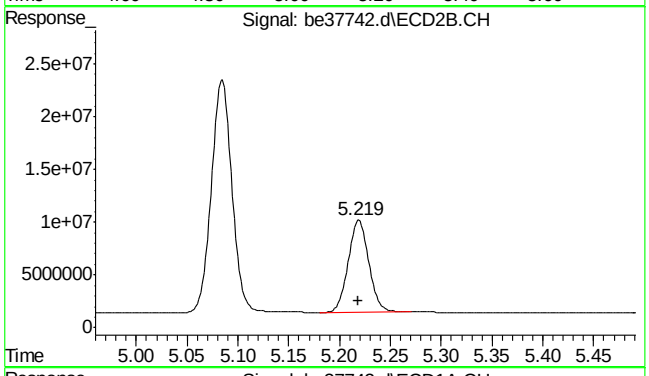
#4 Gamma-BHC

R.T.: 5.085 min
Delta R.T.: 0.001 min
Response: 316051272
Conc: 118.68 ppb



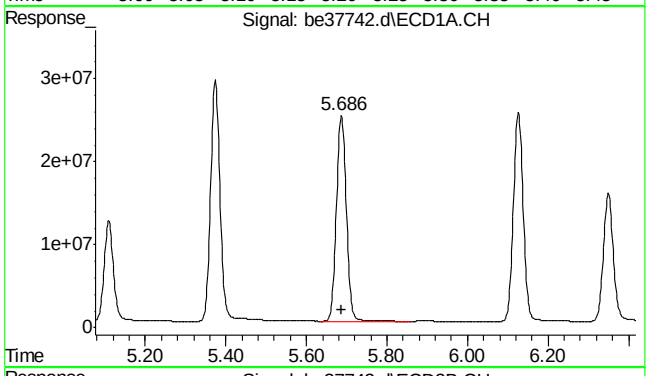
#5 Beta-BHC

R.T.: 5.110 min
Delta R.T.: -0.001 min
Response: 197852757
Conc: 112.18 ppb



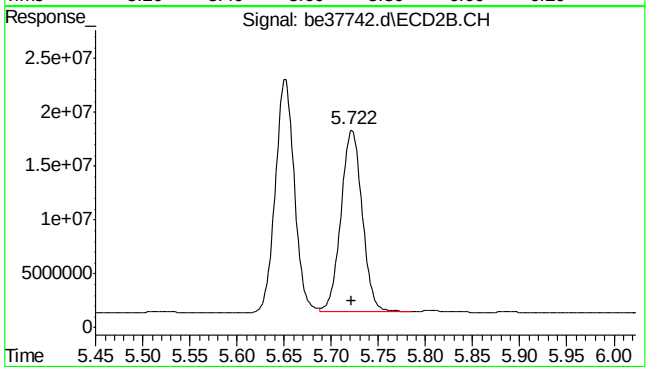
#5 Beta-BHC

R.T.: 5.218 min
Delta R.T.: 0.000 min
Response: 123424384
Conc: 114.28 ppb m



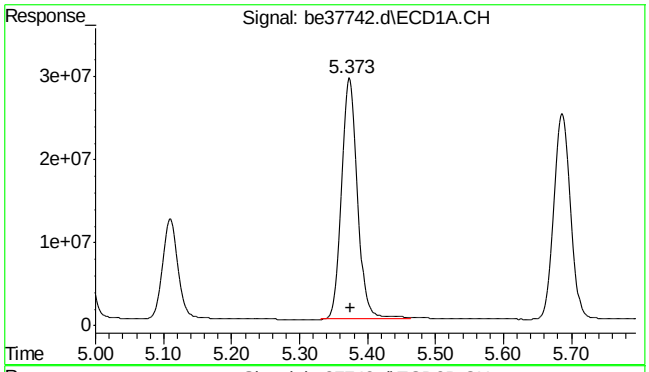
#6 Heptachlor

R.T.: 5.687 min
Delta R.T.: -0.002 min
Response: 425193061
Conc: 111.18 ppb



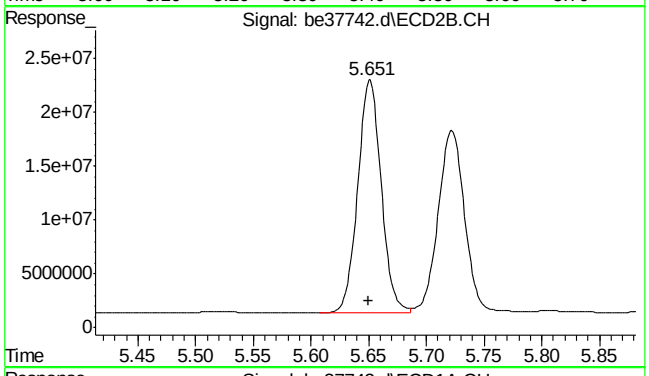
#6 Heptachlor

R.T.: 5.722 min
Delta R.T.: 0.000 min
Response: 266056457
Conc: 120.37 ppb m



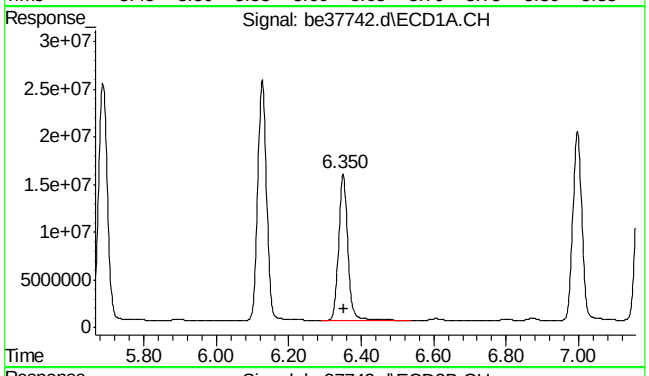
#7 Delta-BHC

R.T.: 5.373 min
Delta R.T.: -0.001 min
Response: 473455438
Conc: 113.63 ppb m



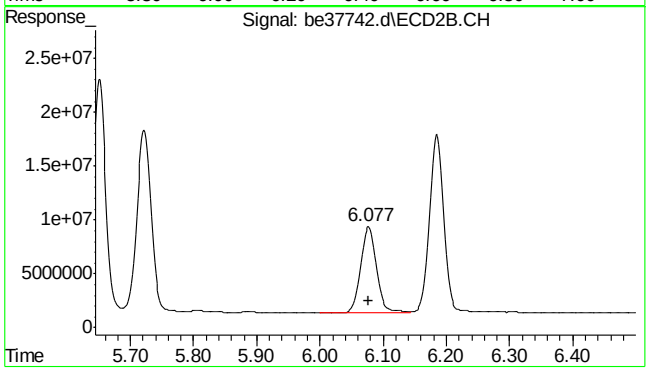
#7 Delta-BHC

R.T.: 5.651 min
Delta R.T.: 0.000 min
Response: 304694658
Conc: 118.82 ppb m



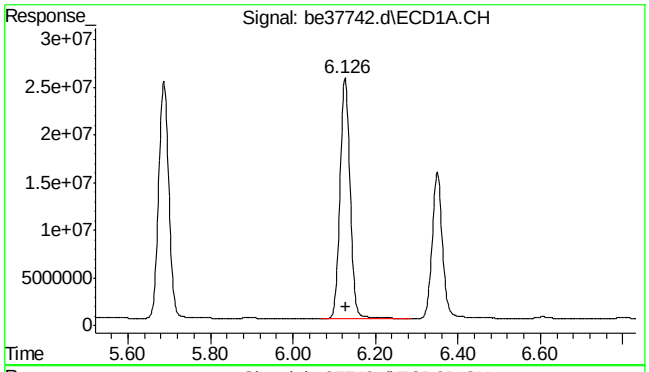
#8 Alachlor

R.T.: 6.350 min
Delta R.T.: -0.003 min
Response: 267391546
Conc: 1037.93 ppb



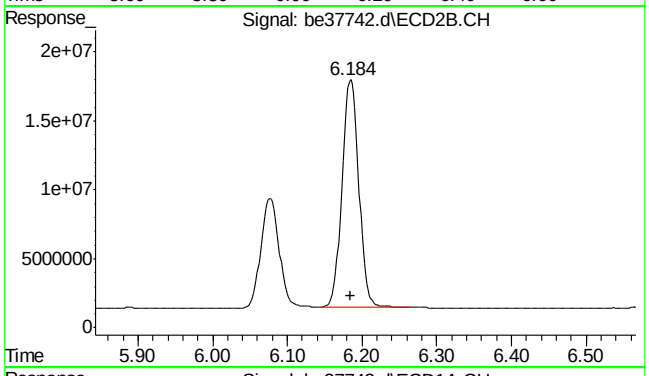
#8 Alachlor

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 136957332
Conc: 934.21 ppb



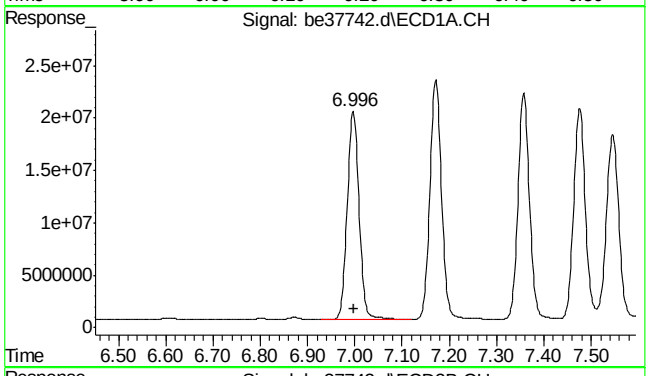
#9 Aldrin

R.T.: 6.127 min
Delta R.T.: -0.001 min
Response: 427906808
Conc: 113.09 ppb



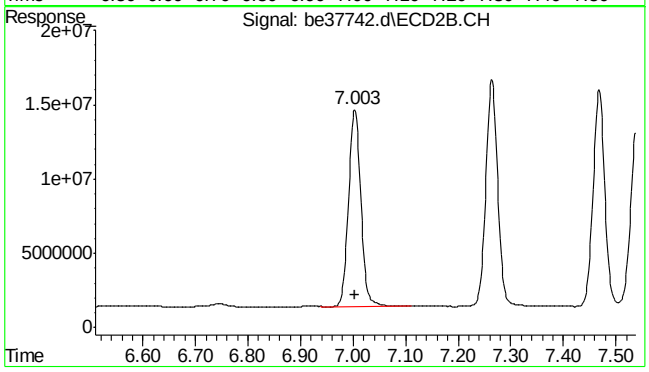
#9 Aldrin

R.T.: 6.184 min
Delta R.T.: 0.000 min
Response: 256778753
Conc: 114.05 ppb m



#10 Heptachlor Epoxide

R.T.: 6.997 min
Delta R.T.: -0.002 min
Response: 346996972
Conc: 110.99 ppb

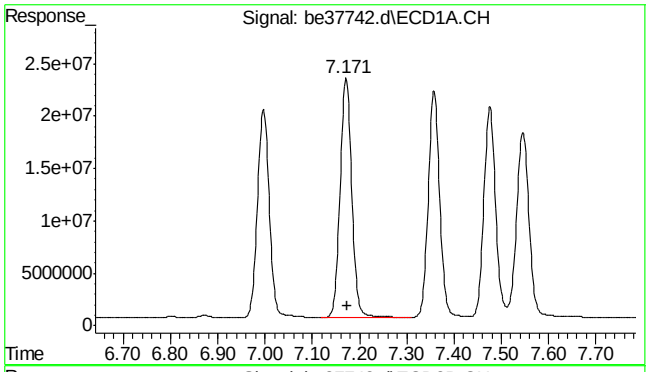


#10 Heptachlor Epoxide

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 215552030
Conc: 120.45 ppb

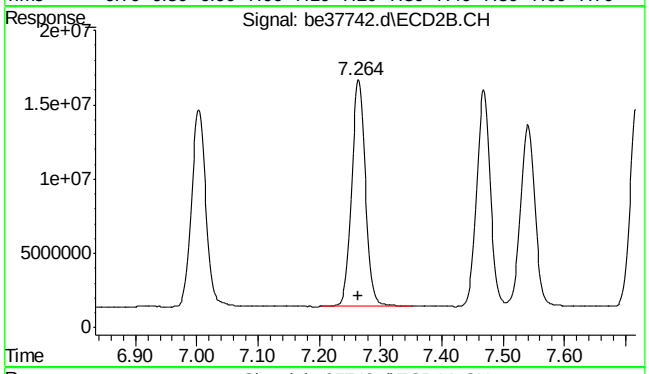
9.6.13

9



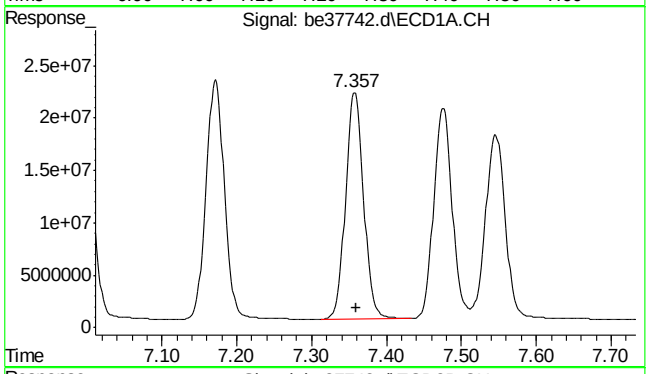
#11 Gamma-Chlordane

R.T.: 7.172 min
Delta R.T.: -0.003 min
Response: 392625880
Conc: 113.52 ppb



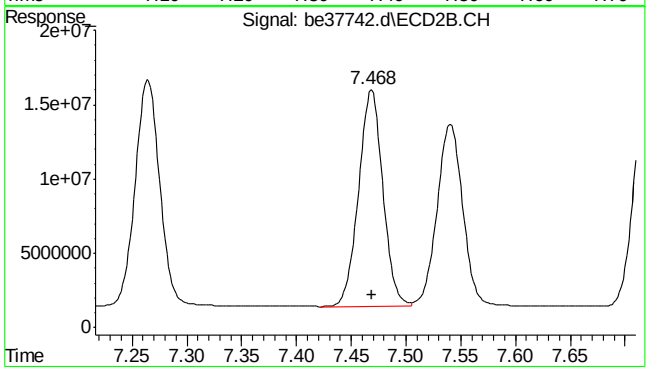
#11 Gamma-Chlordane

R.T.: 7.264 min
Delta R.T.: 0.000 min
Response: 238663841
Conc: 123.14 ppb m



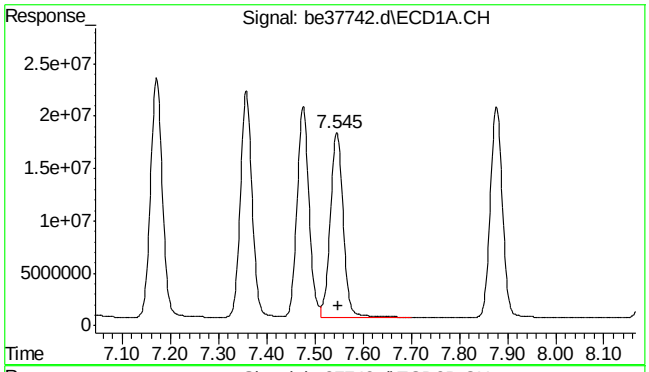
#12 Alpha-Chlordane

R.T.: 7.357 min
Delta R.T.: -0.003 min
Response: 362219070
Conc: 115.50 ppb m



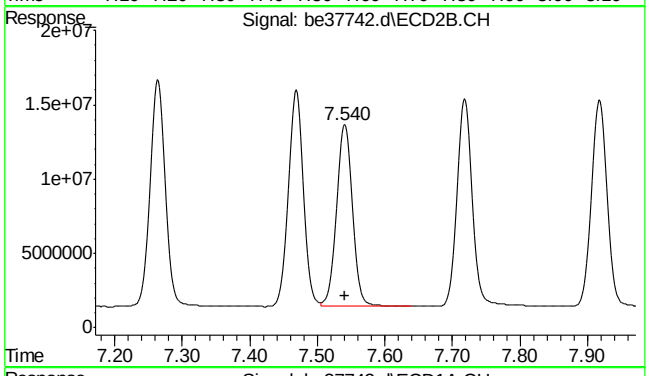
#12 Alpha-Chlordane

R.T.: 7.469 min
Delta R.T.: 0.000 min
Response: 225183136
Conc: 124.12 ppb



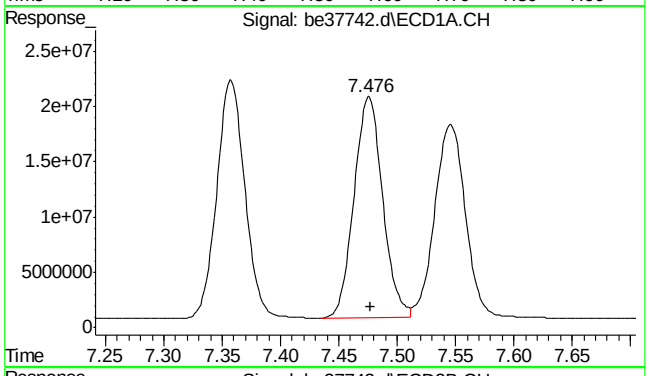
#13 Endosulfan-I

R.T.: 7.546 min
Delta R.T.: -0.002 min
Response: 327564064
Conc: 112.73 ppb



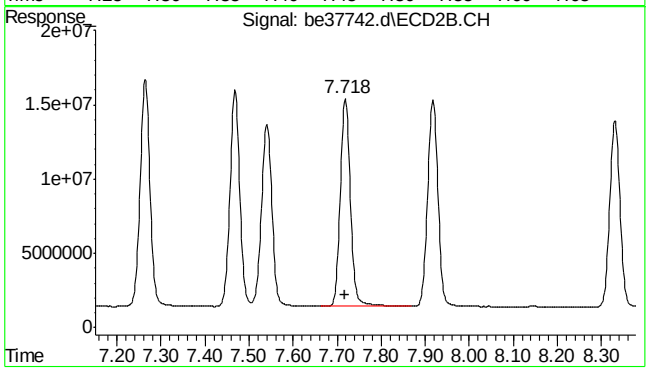
#13 Endosulfan-I

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 201600717
Conc: 122.16 ppb



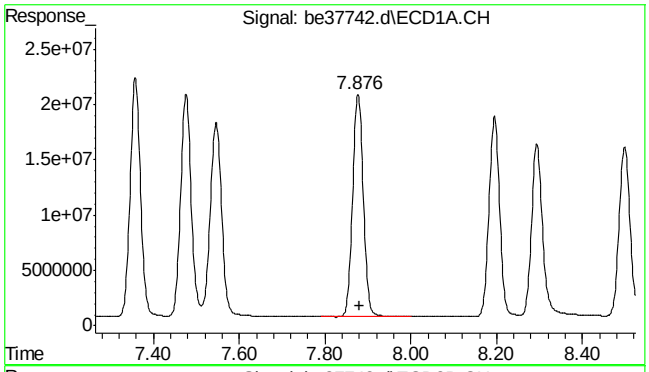
#14 4,4'-DDE

R.T.: 7.476 min
Delta R.T.: -0.002 min
Response: 342989971
Conc: 119.30 ppb m



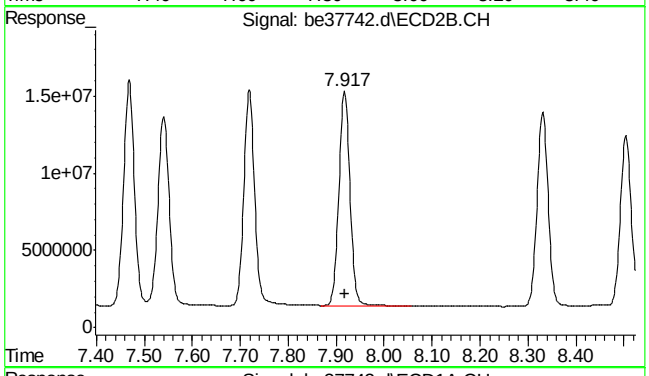
#14 4,4'-DDE

R.T.: 7.719 min
Delta R.T.: 0.000 min
Response: 222557527
Conc: 128.26 ppb



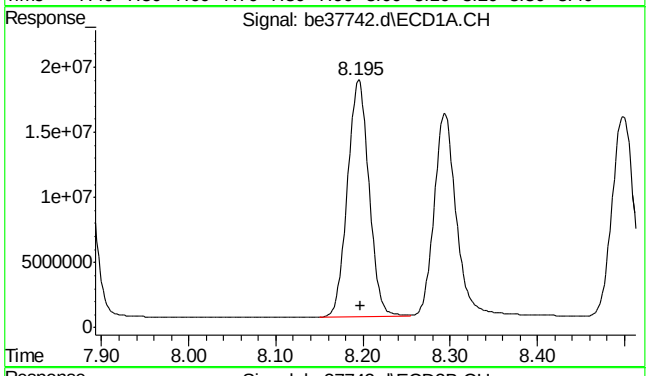
#15 Dieldrin

R.T.: 7.877 min
Delta R.T.: -0.003 min
Response: 351142722
Conc: 113.07 ppb



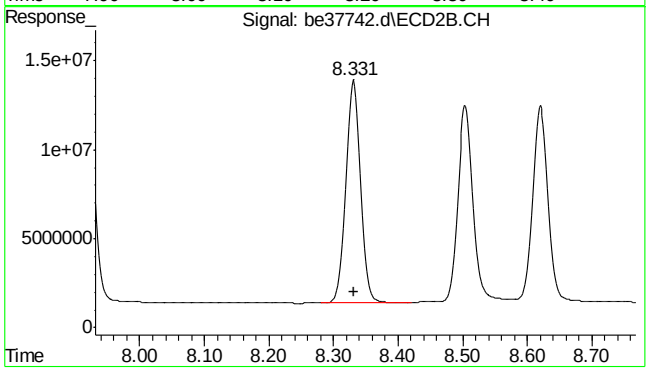
#15 Dieldrin

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 225813714
Conc: 124.31 ppb



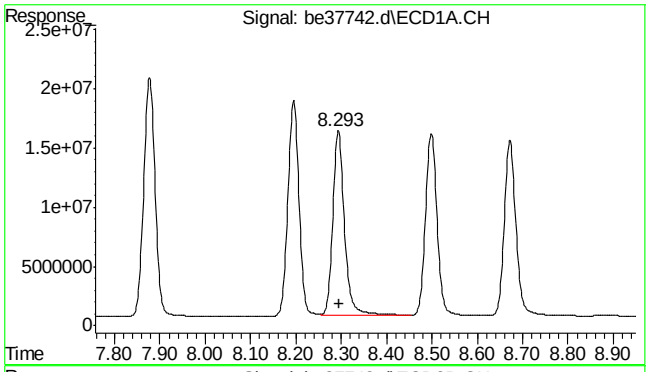
#16 Endrin

R.T.: 8.195 min
Delta R.T.: -0.003 min
Response: 311758067
Conc: 114.51 ppb m



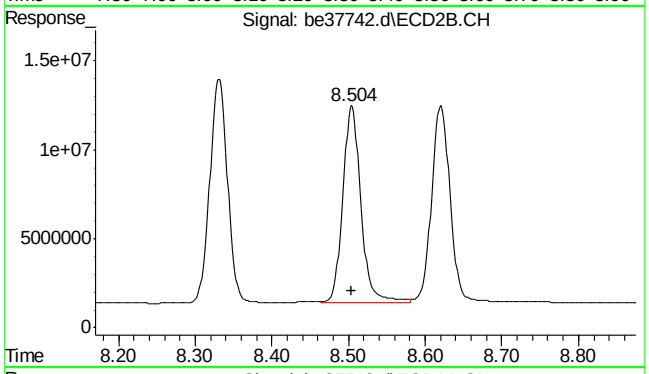
#16 Endrin

R.T.: 8.331 min
Delta R.T.: 0.000 min
Response: 200807972
Conc: 128.01 ppb m



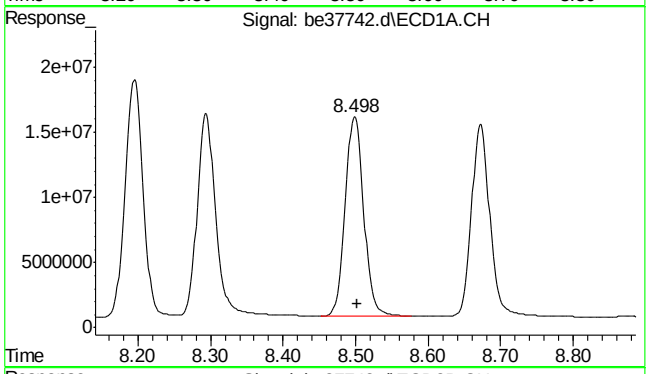
#17 4,4'-DDD

R.T.: 8.293 min
Delta R.T.: -0.003 min
Response: 278739264
Conc: 124.74 ppb m



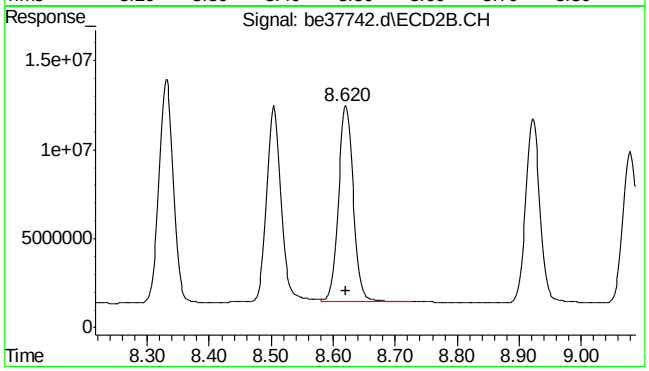
#17 4,4'-DDD

R.T.: 8.504 min
Delta R.T.: 0.000 min
Response: 182047512
Conc: 134.69 ppb m



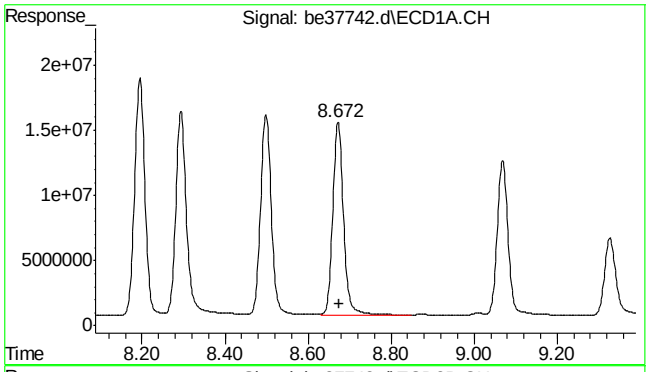
#18 Endosulfan-II

R.T.: 8.498 min
Delta R.T.: -0.004 min
Response: 272901202
Conc: 110.82 ppb m



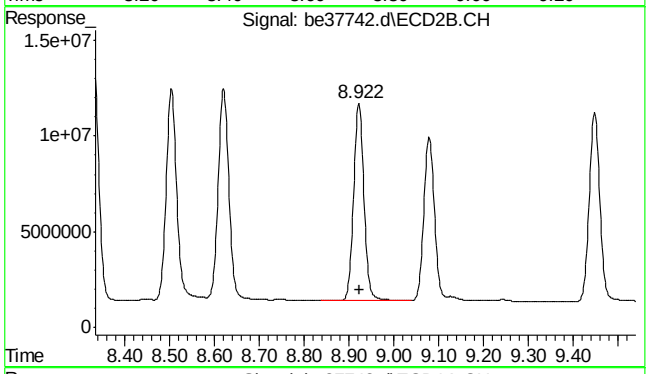
#18 Endosulfan-II

R.T.: 8.620 min
Delta R.T.: -0.001 min
Response: 183390342
Conc: 125.27 ppb m



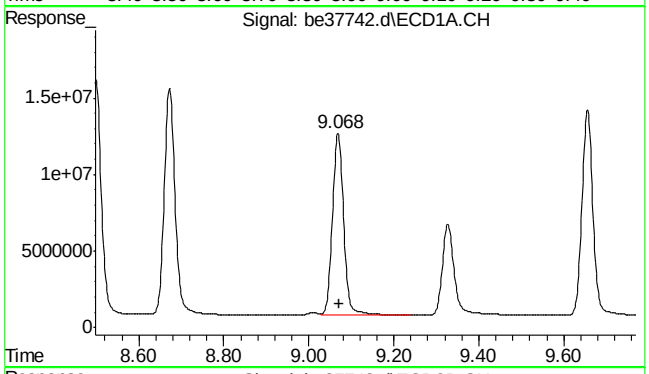
#19 4,4'-DDT

R.T.: 8.673 min
Delta R.T.: -0.002 min
Response: 264697485
Conc: 104.04 ppb



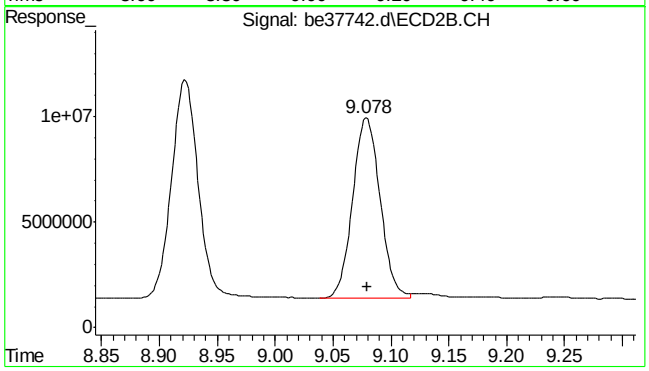
#19 4,4'-DDT

R.T.: 8.923 min
Delta R.T.: 0.000 min
Response: 165941705
Conc: 117.67 ppb



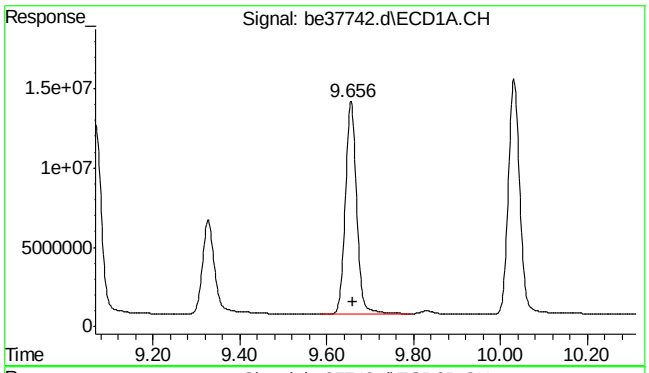
#20 Endrin Aldehyde

R.T.: 9.069 min
Delta R.T.: -0.002 min
Response: 216901253
Conc: 111.89 ppb



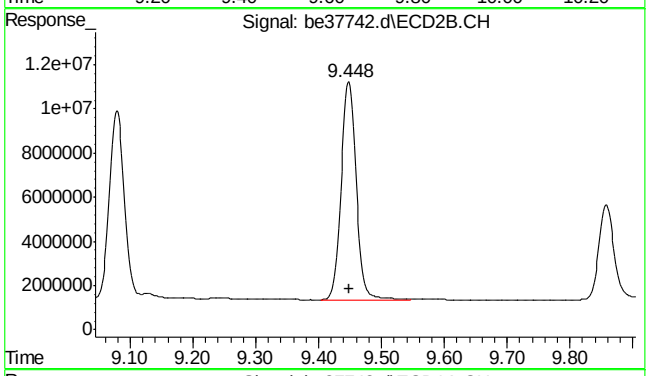
#20 Endrin Aldehyde

R.T.: 9.078 min
Delta R.T.: -0.001 min
Response: 140593141
Conc: 123.07 ppb m



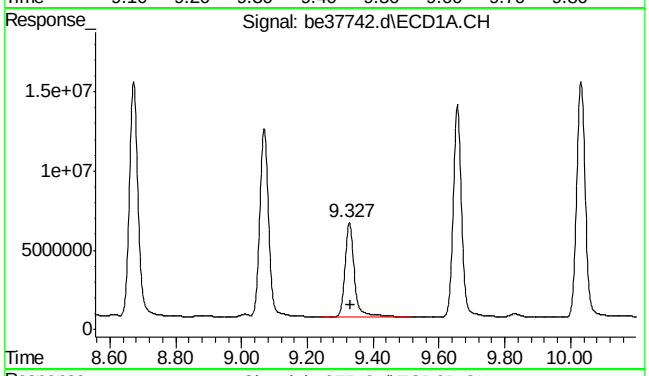
#21 Endosulfan Sulfate

R.T.: 9.656 min
Delta R.T.: -0.003 min
Response: 240220976
Conc: 112.19 ppb



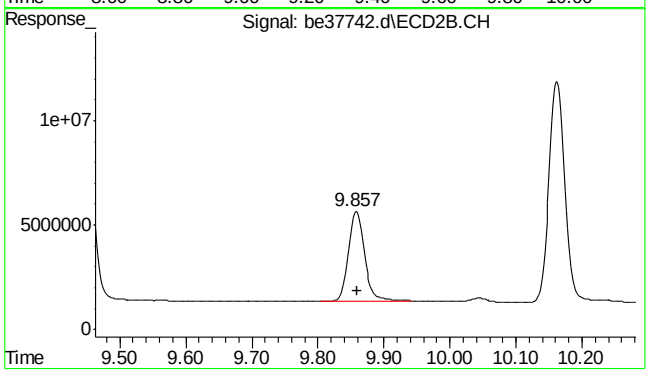
#21 Endosulfan Sulfate

R.T.: 9.448 min
Delta R.T.: -0.001 min
Response: 164224779
Conc: 128.19 ppb m



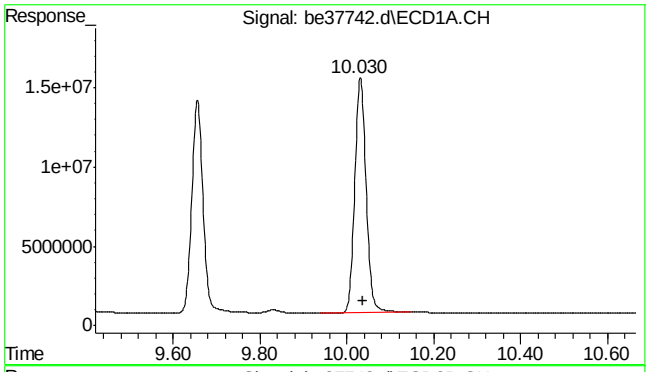
#22 Methoxychlor

R.T.: 9.327 min
Delta R.T.: -0.004 min
Response: 116484714
Conc: 105.20 ppb



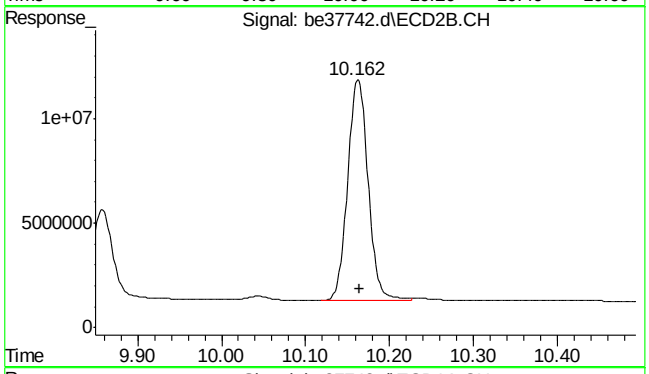
#22 Methoxychlor

R.T.: 9.857 min
Delta R.T.: -0.002 min
Response: 74253886
Conc: 119.71 ppb m



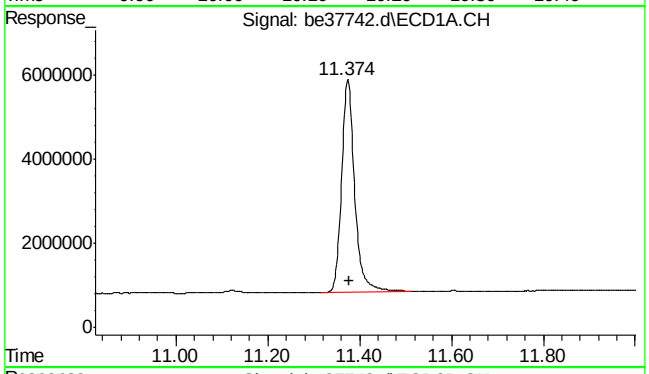
#23 Endrin Ketone

R.T.: 10.031 min
Delta R.T.: -0.004 min
Response: 268754604
Conc: 111.22 ppb



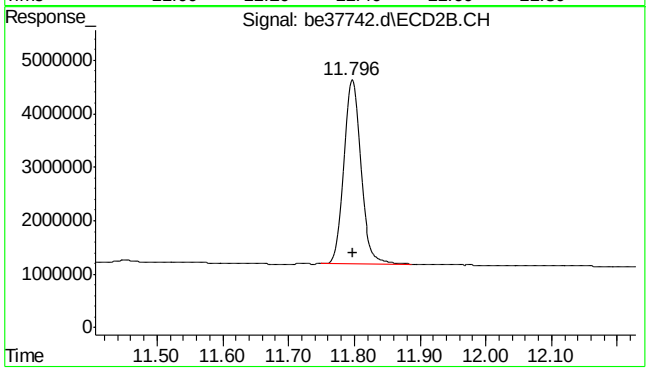
#23 Endrin Ketone

R.T.: 10.162 min
Delta R.T.: -0.002 min
Response: 178040018
Conc: 128.23 ppb m



#38 DCB

R.T.: 11.375 min
Delta R.T.: -0.004 min
Response: 99585142
Conc: 51.15 ppb



#38 DCB

R.T.: 11.796 min
Delta R.T.: -0.002 min
Response: 61594245
Conc: 60.18 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130819\
Data File : be37749.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20-Aug-13, 03:05:23
Operator : nickk
Sample : ecc1943-100,pest
Misc : op34379,gbe1963,15,,,10,,s
ALS Vial : 96 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 08:35:13 2013
Quant Method : C:\msdchem\1\methods\PT130819.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.634	3.599	117.4E6	91476504	40.748m	48.653
	Spiked Amount 40.000			Recovery	=	101.87%	121.63%
38) s	DCB	11.374	11.796	69093279	29311124	35.491m	28.637m
	Spiked Amount 40.000			Recovery	=	88.73%	71.59%
	Target Compounds						
2)	Hexachlor...	4.234	4.320	369.7E6	273.2E6	85.900m	108.290 #
3)	Alpha-BHC	4.493	4.544	409.6E6	313.9E6	86.956m	105.908
4)	Gamma-BHC	4.977	5.085	361.2E6	268.2E6	85.149m	100.263
5)	Beta-BHC	5.109	5.220	136.3E6	107.6E6	77.282m	98.951 #
6)	Heptachlor	5.688	5.722	317.7E6	221.3E6	81.853	98.714m
7)	Delta-BHC	5.374	5.652	341.6E6	250.8E6	81.987m	97.244
8)	Alachlor	6.350	6.077	255.0E6	128.7E6	987.193	869.225m
9)	Aldrin	6.127	6.185	300.5E6	210.7E6	79.406	92.449
10)	Heptachlo...	6.997	7.004	248.1E6	166.4E6	77.992	91.232
11)	Gamma-Chl...	7.172	7.264	251.1E6	170.3E6	72.601	86.481m
12)	Alpha-Chl...	7.359	7.469	232.8E6	158.9E6	74.244	86.123
13)	Endosulfan-I	7.547	7.540	214.5E6	147.4E6	72.506	87.001m
14)	4,4'-DDE	7.476	7.719	225.1E6	156.9E6	78.310	88.789m
15)	Dieldrin	7.877	7.917	240.2E6	159.1E6	76.355m	85.193m
16)	Endrin	8.195	8.331	214.7E6	139.2E6	78.849	86.116m
17)	4,4'-DDD	8.295	8.504	187.8E6	122.3E6	84.052	88.421m
18)	Endosulfa...	8.500	8.621	179.9E6	121.0E6	72.032	80.067m
19)	4,4'-DDT	8.673	8.922	162.0E6	99585209	63.473	68.966m
20)	Endrin Al...	9.069	9.081	140.3E6	82879677	71.302	69.544
21)	Endosulfa...	9.656	9.449	162.2E6	94800486	74.884m	70.710
22)	Methoxychlor	9.328	9.858	76043009	43316233	67.984	67.462m
23)	Endrin Ke...	10.032	10.162	182.1E6	105.2E6	74.564	72.853m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

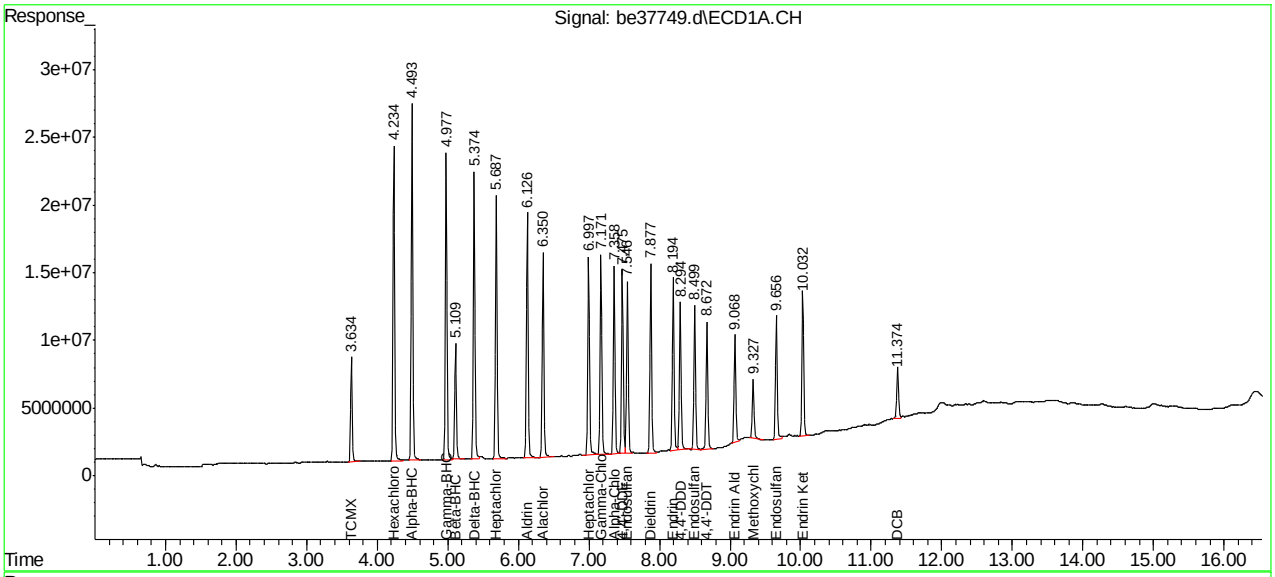
9.6.14
9

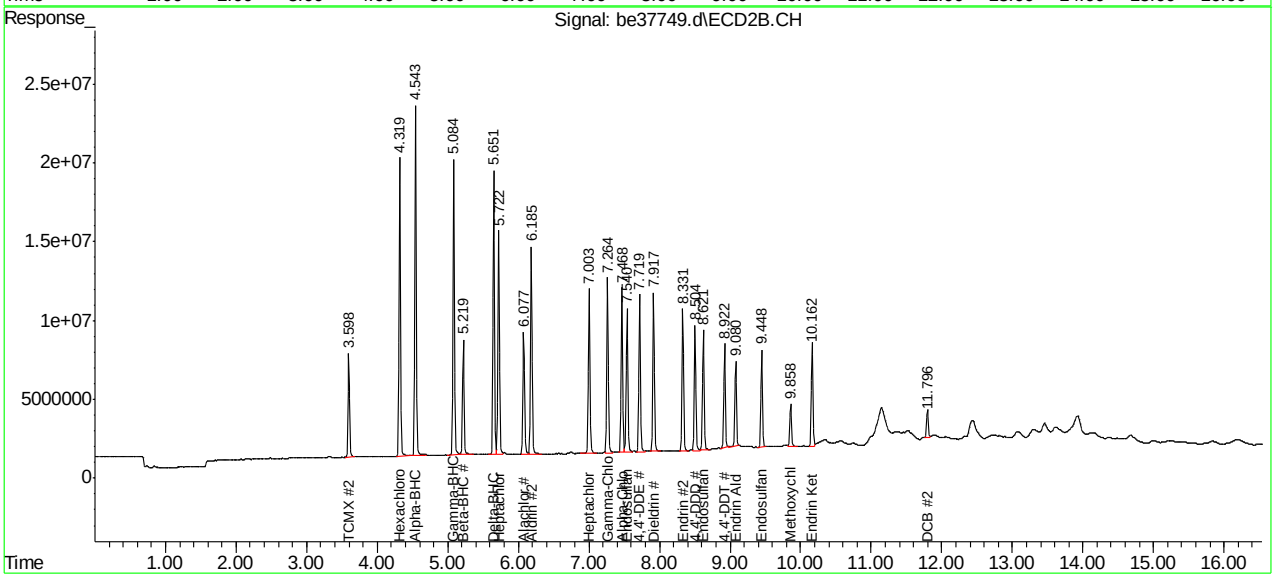
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BE130819\
Data File : be37749.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20-Aug-13, 03:05:23
Operator : nickk
Sample : ecc1943-100,pest
Misc : op34379,gbe1963,15,,,10,,s
ALS Vial : 96 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

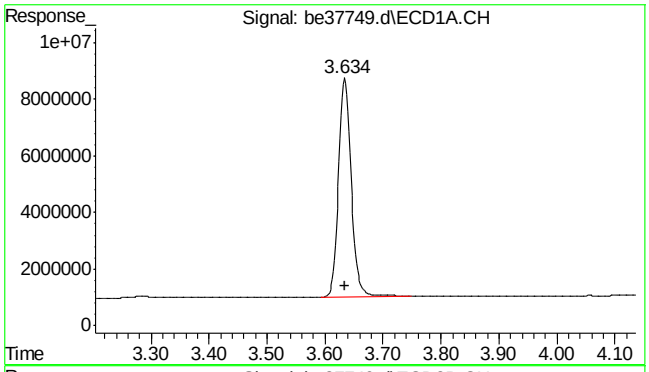
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 08:35:13 2013
Quant Method : C:\msdchem\1\methods\PT130819.M
Quant Title : P608PEST/RtX-cl-pest1/RTX -clpest2
QLast Update : Thu Aug 15 13:38:44 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



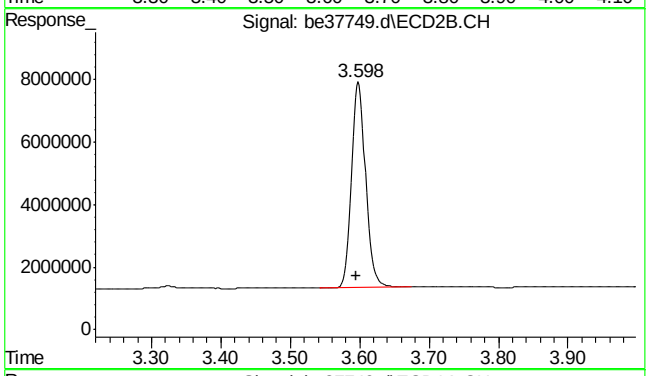


ACCUTEST LABORATORIES MC23456



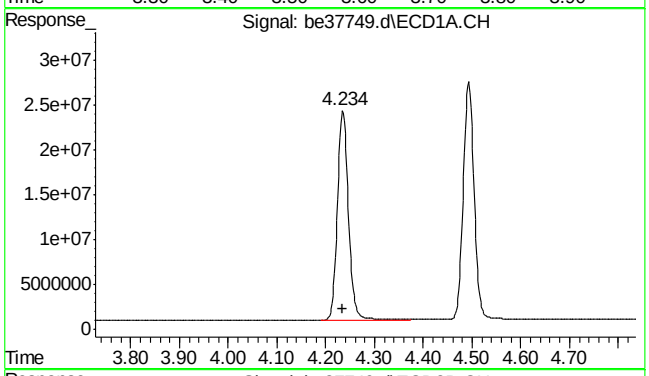
#1 TCMX

R.T.: 3.634 min
Delta R.T.: 0.000 min
Response: 117387859
Conc: 40.75 ppb m



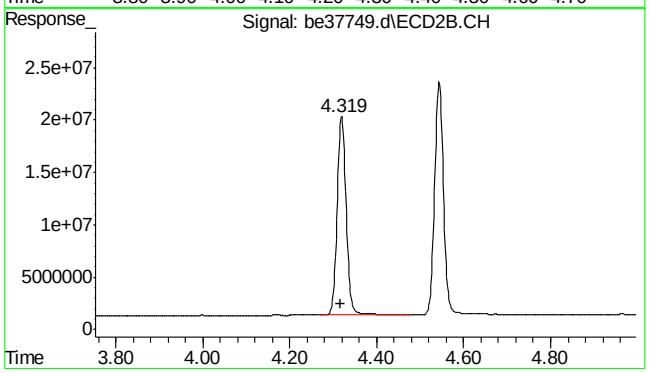
#1 TCMX

R.T.: 3.599 min
Delta R.T.: 0.003 min
Response: 91476504
Conc: 48.65 ppb



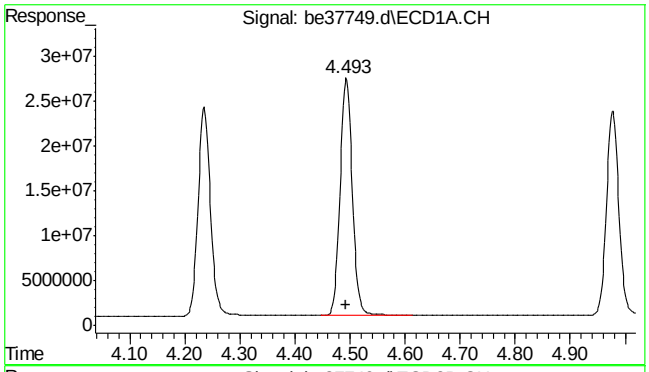
#2 Hexachlorobenzene

R.T.: 4.234 min
Delta R.T.: -0.001 min
Response: 369656238
Conc: 85.90 ppb m



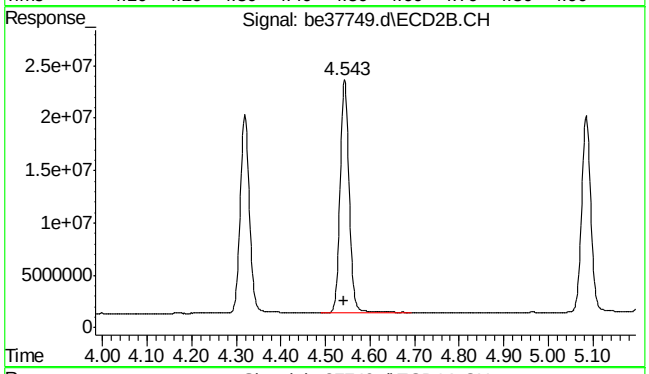
#2 Hexachlorobenzene

R.T.: 4.320 min
Delta R.T.: 0.003 min
Response: 273235185
Conc: 108.29 ppb



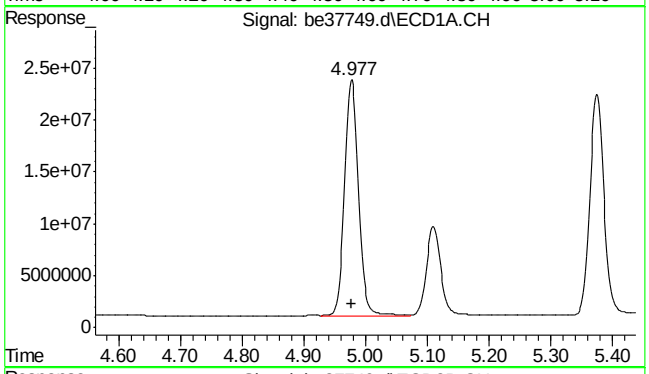
#3 Alpha-BHC

R.T.: 4.493 min
Delta R.T.: 0.000 min
Response: 409577415
Conc: 86.96 ppb m



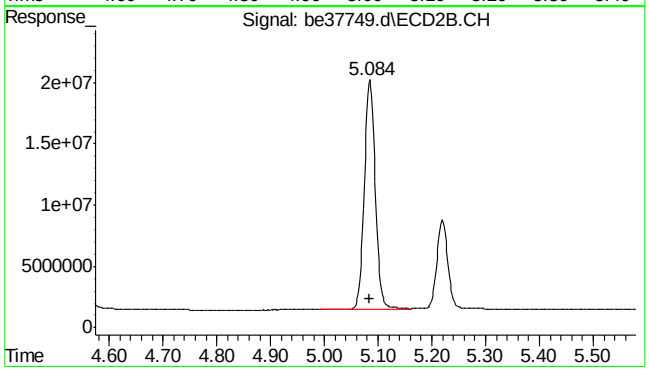
#3 Alpha-BHC

R.T.: 4.544 min
Delta R.T.: 0.002 min
Response: 313875285
Conc: 105.91 ppb



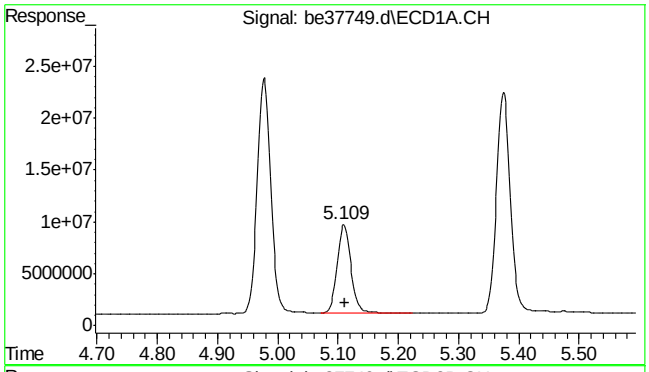
#4 Gamma-BHC

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 361151487
Conc: 85.15 ppb m



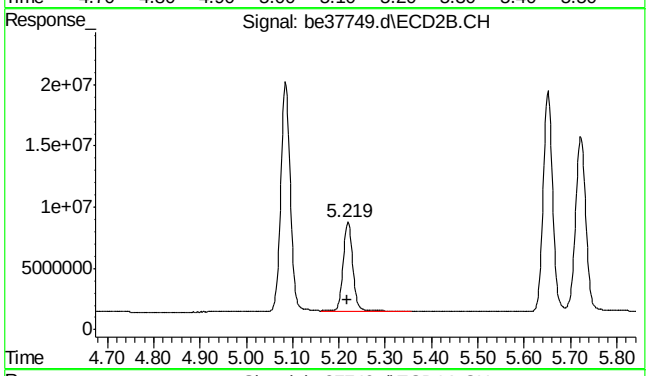
#4 Gamma-BHC

R.T.: 5.085 min
Delta R.T.: 0.002 min
Response: 268247264
Conc: 100.26 ppb



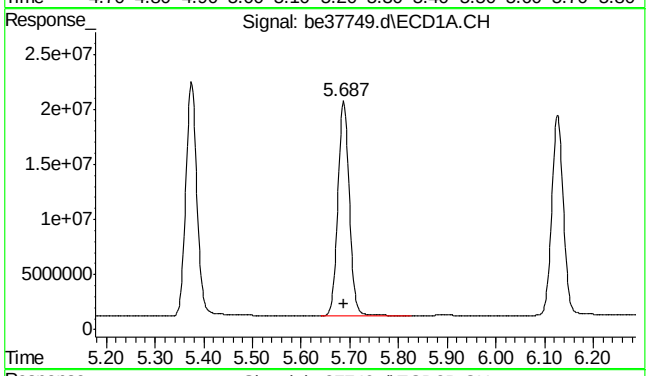
#5 Beta-BHC

R.T.: 5.109 min
Delta R.T.: -0.001 min
Response: 136304237
Conc: 77.28 ppb m



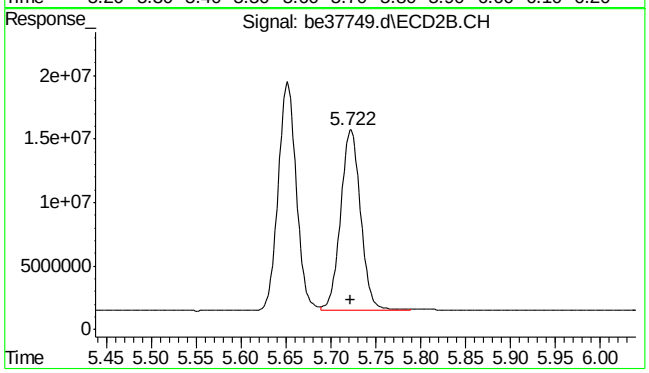
#5 Beta-BHC

R.T.: 5.220 min
Delta R.T.: 0.002 min
Response: 107576923
Conc: 98.95 ppb



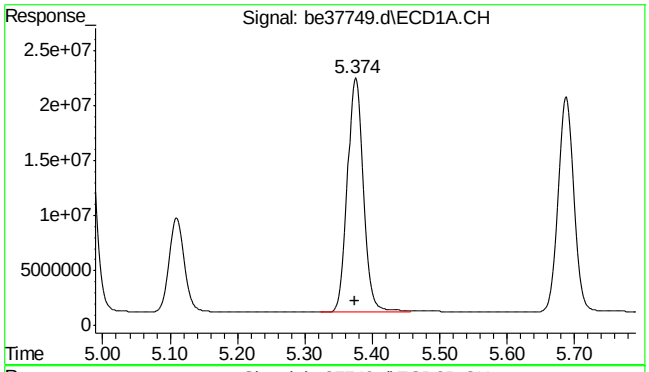
#6 Heptachlor

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 317722081
Conc: 81.85 ppb



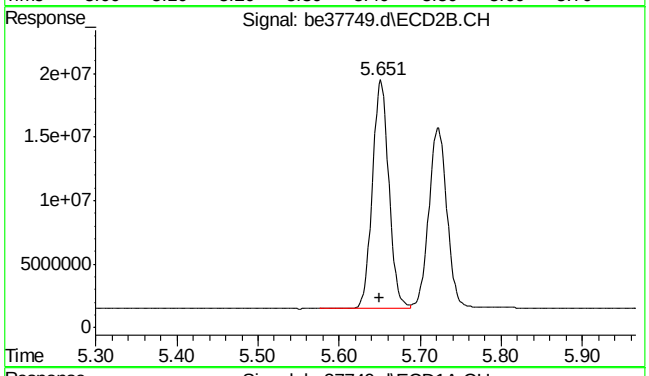
#6 Heptachlor

R.T.: 5.722 min
Delta R.T.: 0.000 min
Response: 221348310
Conc: 98.71 ppb m



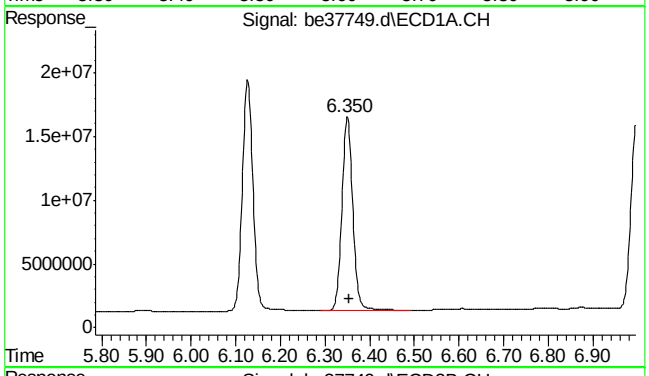
#7 Delta-BHC

R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 341623415
Conc: 81.99 ppb m



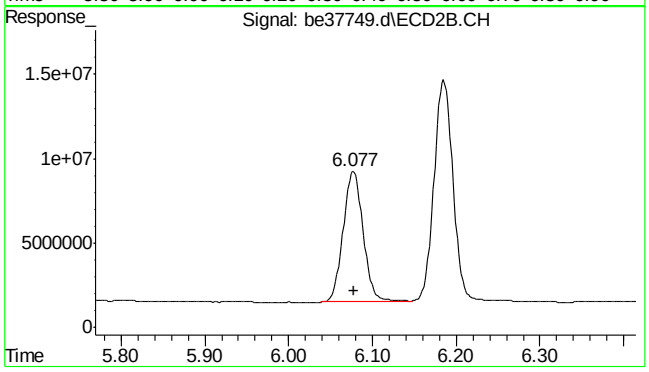
#7 Delta-BHC

R.T.: 5.652 min
Delta R.T.: 0.002 min
Response: 250836660
Conc: 97.24 ppb



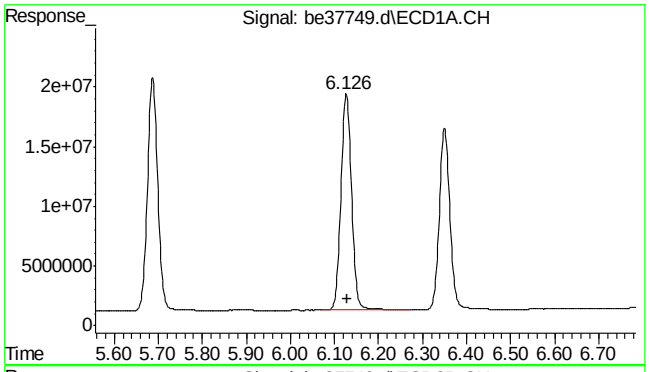
#8 Alachlor

R.T.: 6.350 min
Delta R.T.: -0.003 min
Response: 255046976
Conc: 987.19 ppb



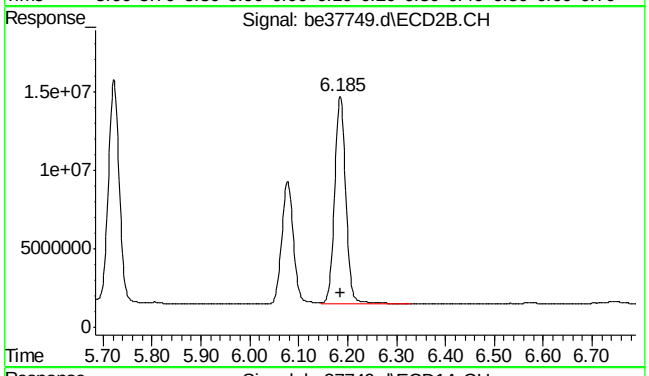
#8 Alachlor

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 128683881
Conc: 869.22 ppb m



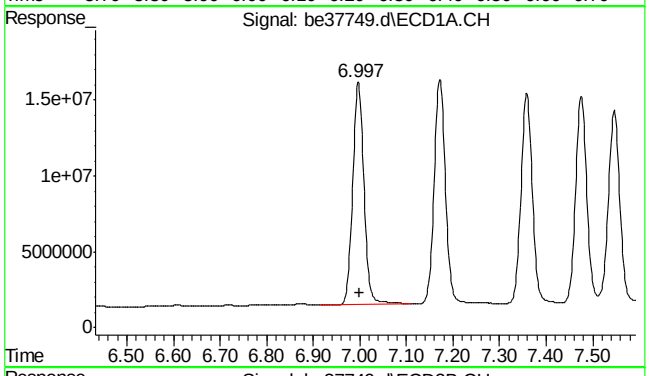
#9 Aldrin

R.T.: 6.127 min
Delta R.T.: 0.000 min
Response: 300466657
Conc: 79.41 ppb



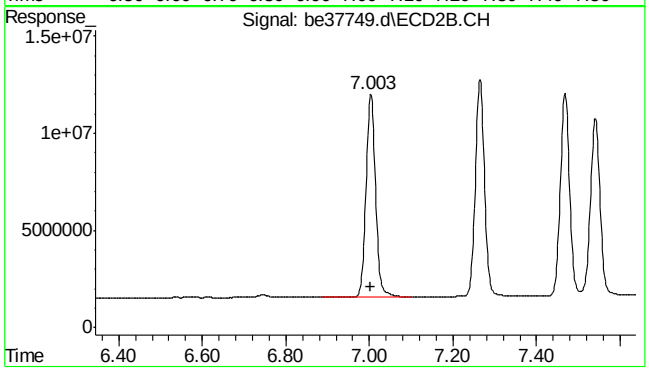
#9 Aldrin

R.T.: 6.185 min
Delta R.T.: 0.000 min
Response: 210730959
Conc: 92.45 ppb



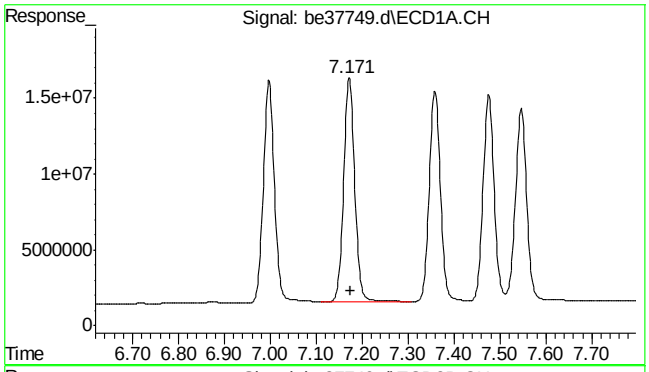
#10 Heptachlor Epoxide

R.T.: 6.997 min
Delta R.T.: -0.002 min
Response: 248095701
Conc: 77.99 ppb



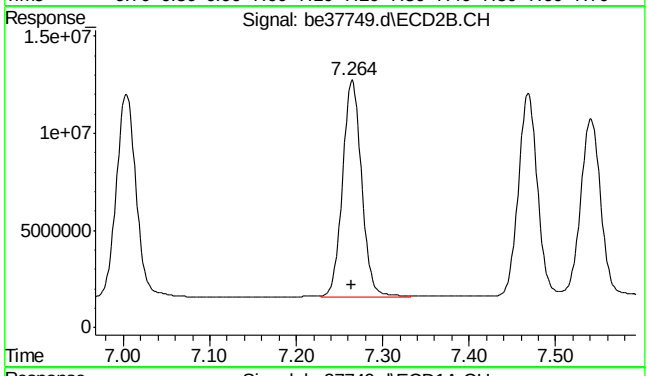
#10 Heptachlor Epoxide

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 166398208
Conc: 91.23 ppb



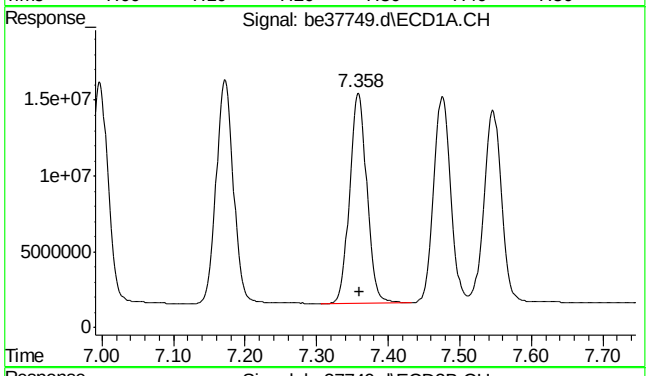
#11 Gamma-Chlordane

R.T.: 7.172 min
Delta R.T.: -0.002 min
Response: 251102906
Conc: 72.60 ppb



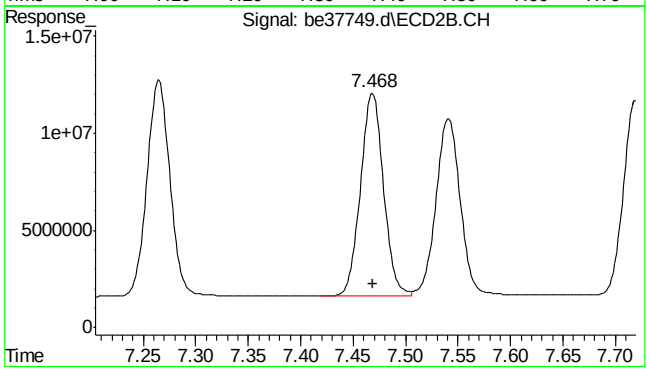
#11 Gamma-Chlordane

R.T.: 7.264 min
Delta R.T.: 0.000 min
Response: 170317553
Conc: 86.48 ppb m



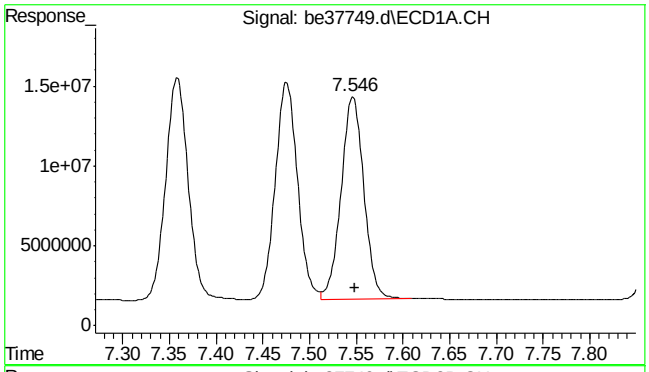
#12 Alpha-Chlordane

R.T.: 7.359 min
Delta R.T.: -0.001 min
Response: 232838518
Conc: 74.24 ppb



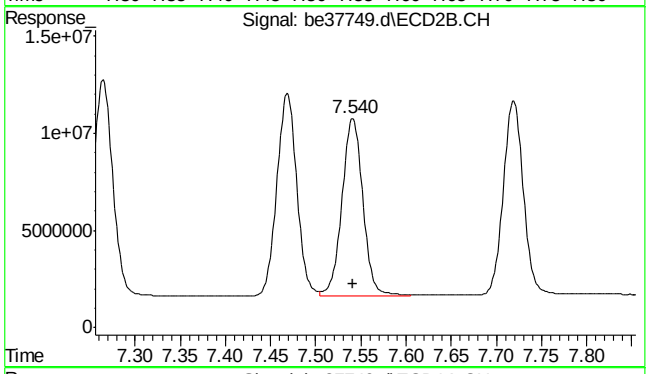
#12 Alpha-Chlordane

R.T.: 7.469 min
Delta R.T.: 0.000 min
Response: 158854368
Conc: 86.12 ppb



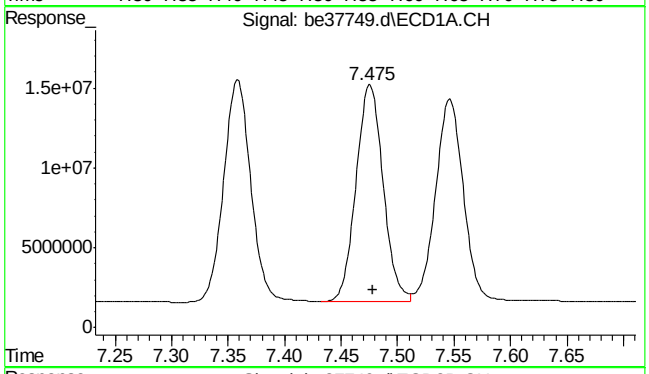
#13 Endosulfan-I

R.T.: 7.547 min
Delta R.T.: -0.001 min
Response: 214533641
Conc: 72.51 ppb



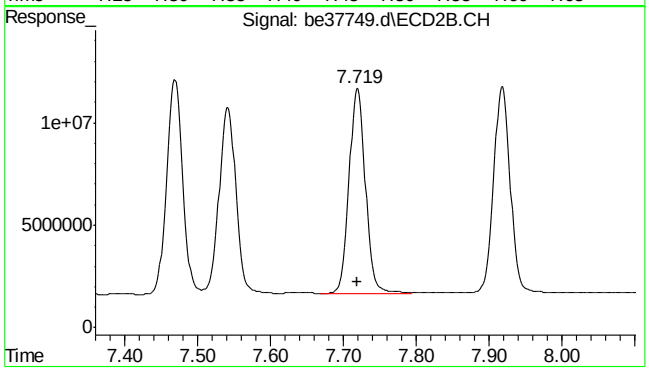
#13 Endosulfan-I

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 147360366
Conc: 87.00 ppb m



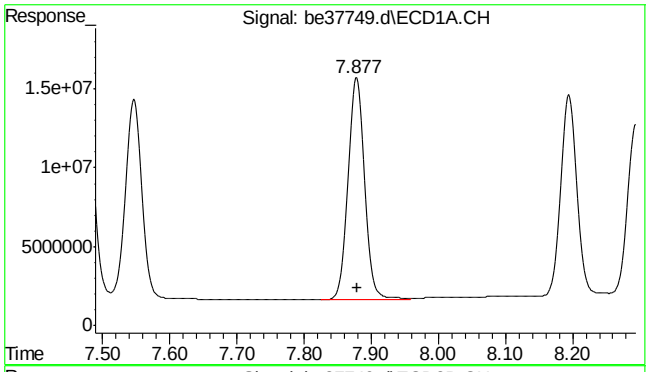
#14 4,4'-DDE

R.T.: 7.476 min
Delta R.T.: -0.002 min
Response: 225137710
Conc: 78.31 ppb



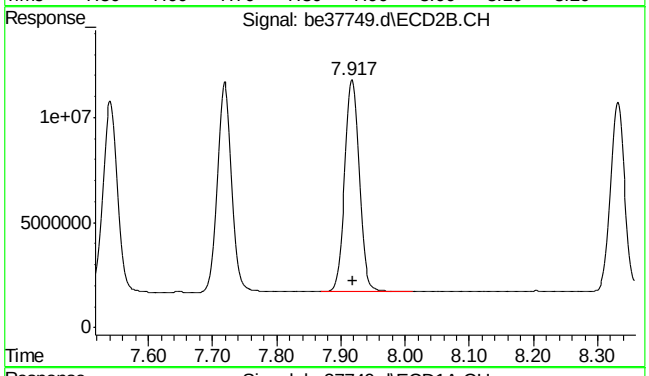
#14 4,4'-DDE

R.T.: 7.719 min
Delta R.T.: 0.000 min
Response: 156942019
Conc: 88.79 ppb m



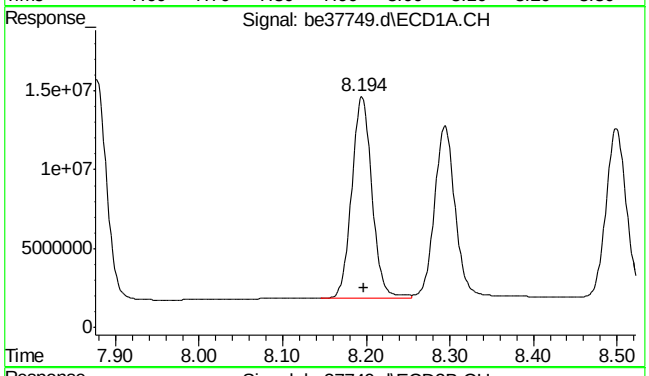
#15 Dieldrin

R.T.: 7.877 min
Delta R.T.: -0.003 min
Response: 240217166
Conc: 76.36 ppb m



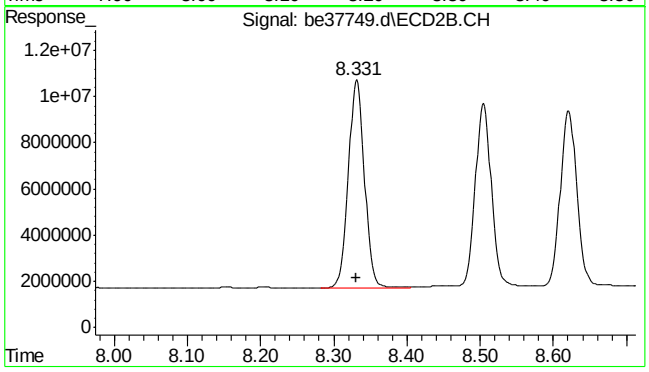
#15 Dieldrin

R.T.: 7.917 min
Delta R.T.: 0.000 min
Response: 159059290
Conc: 85.19 ppb m



#16 Endrin

R.T.: 8.195 min
Delta R.T.: -0.003 min
Response: 214667962
Conc: 78.85 ppb



#16 Endrin

R.T.: 8.331 min
Delta R.T.: 0.000 min
Response: 139197072
Conc: 86.12 ppb m

9.6.14

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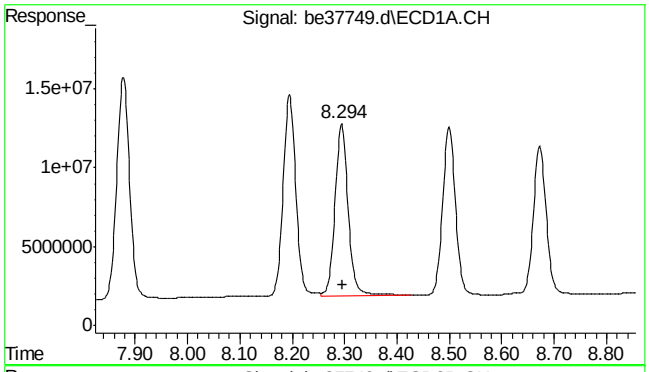
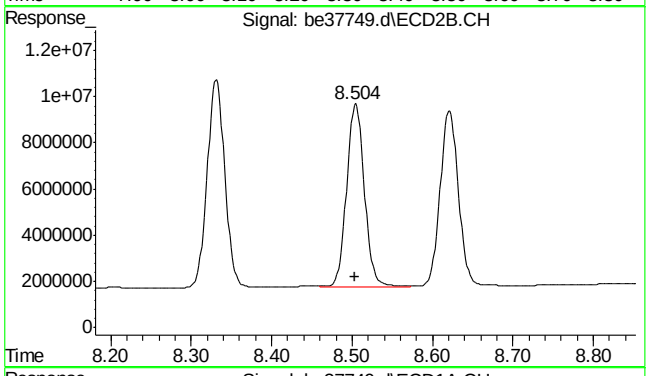


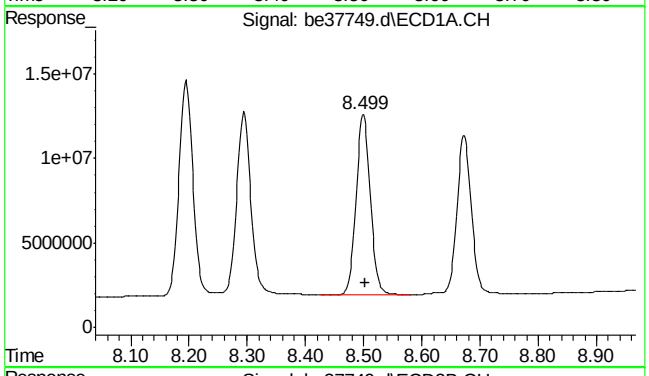
#17 4,4'-DDD

R.T.: 8.295 min
Delta R.T.: -0.002 min
Response: 187816202
Conc: 84.05 ppb



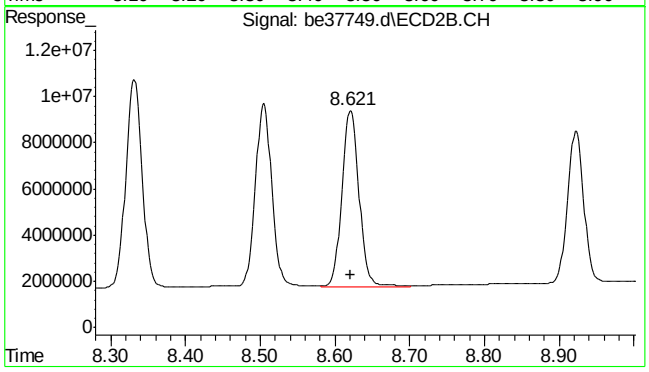
#17 4,4'-DDD

R.T.: 8.504 min
Delta R.T.: 0.000 min
Response: 122308755
Conc: 88.42 ppb m



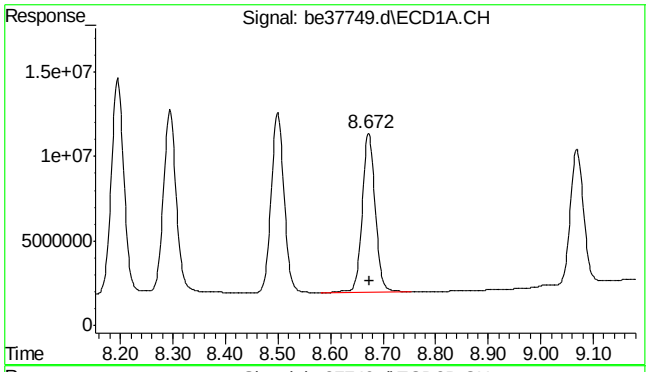
#18 Endosulfan-II

R.T.: 8.500 min
Delta R.T.: -0.002 min
Response: 179938522
Conc: 72.03 ppb



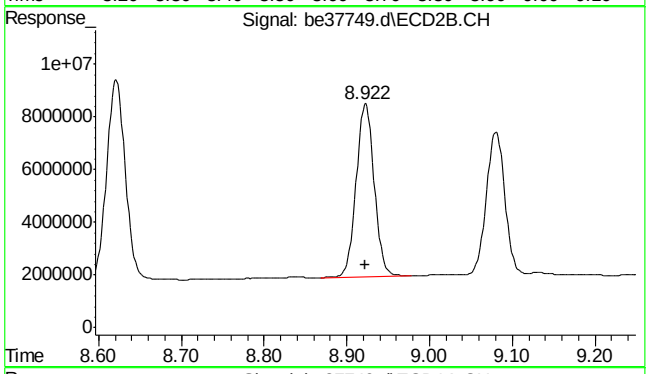
#18 Endosulfan-II

R.T.: 8.621 min
Delta R.T.: 0.000 min
Response: 121019553
Conc: 80.07 ppb m



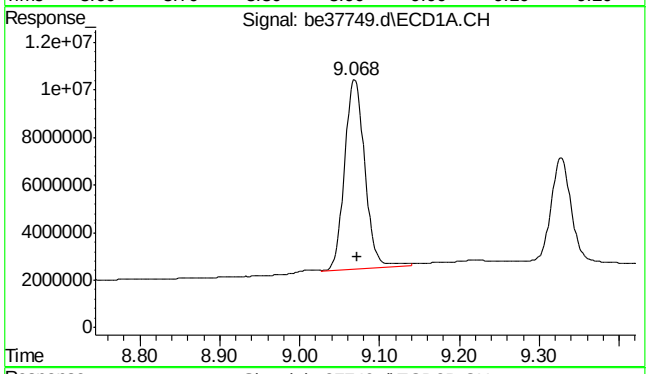
#19 4,4'-DDT

R.T.: 8.673 min
Delta R.T.: -0.002 min
Response: 161966489
Conc: 63.47 ppb



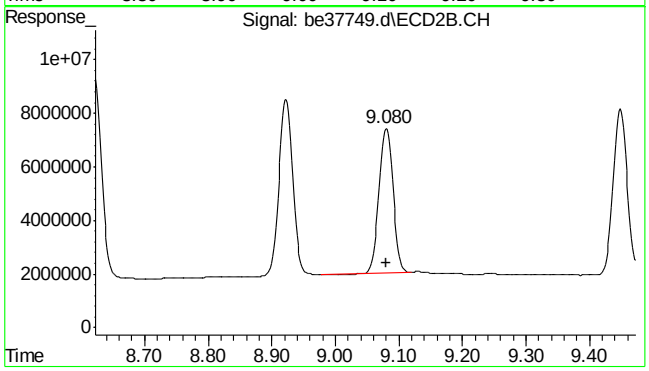
#19 4,4'-DDT

R.T.: 8.922 min
Delta R.T.: 0.000 min
Response: 99585209
Conc: 68.97 ppb m



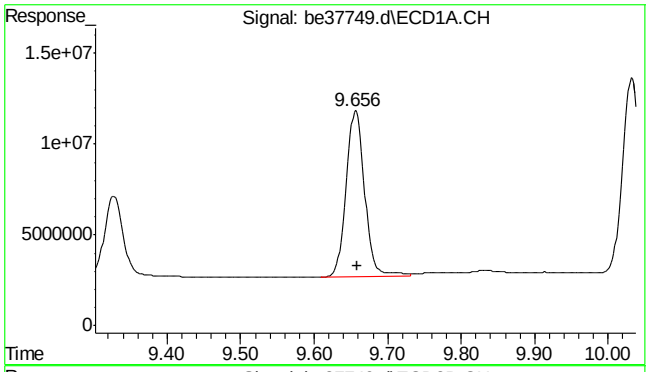
#20 Endrin Aldehyde

R.T.: 9.069 min
Delta R.T.: -0.003 min
Response: 140343007
Conc: 71.30 ppb



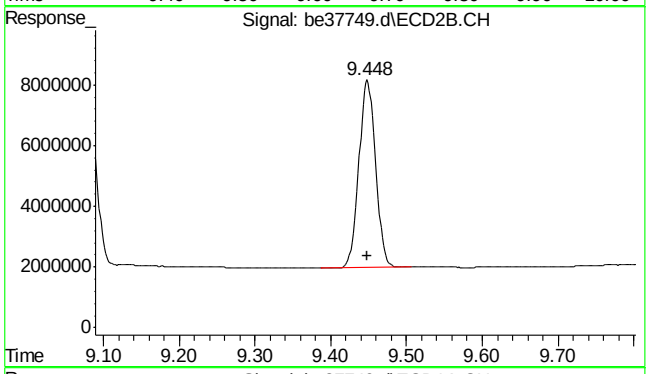
#20 Endrin Aldehyde

R.T.: 9.081 min
Delta R.T.: 0.000 min
Response: 82879677
Conc: 69.54 ppb



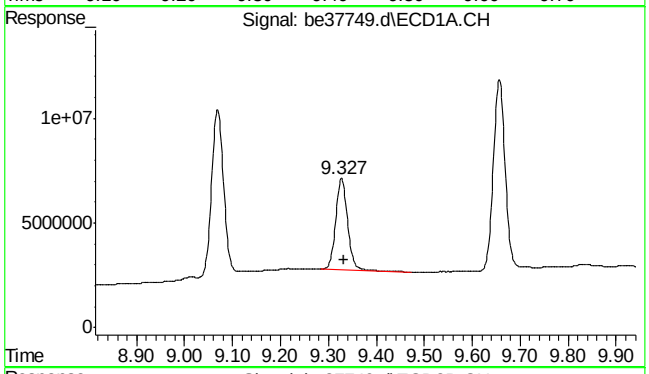
#21 Endosulfan Sulfate

R.T.: 9.656 min
Delta R.T.: -0.003 min
Response: 162237759
Conc: 74.88 ppb m



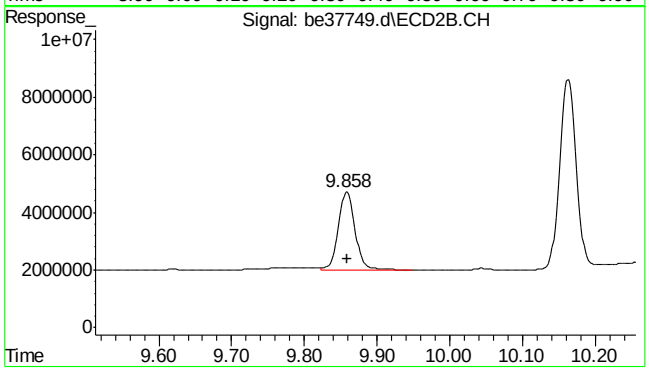
#21 Endosulfan Sulfate

R.T.: 9.449 min
Delta R.T.: 0.000 min
Response: 94800486
Conc: 70.71 ppb



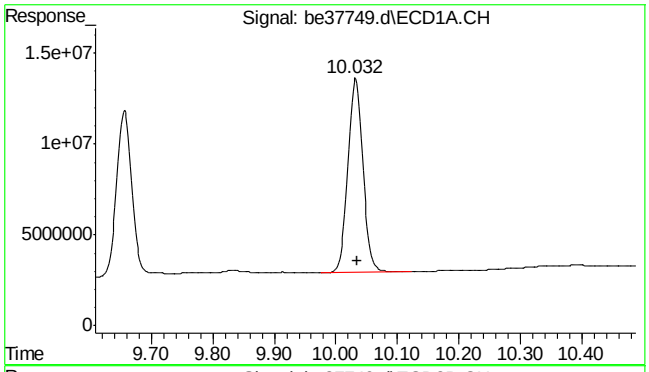
#22 Methoxychlor

R.T.: 9.328 min
Delta R.T.: -0.004 min
Response: 76043009
Conc: 67.98 ppb



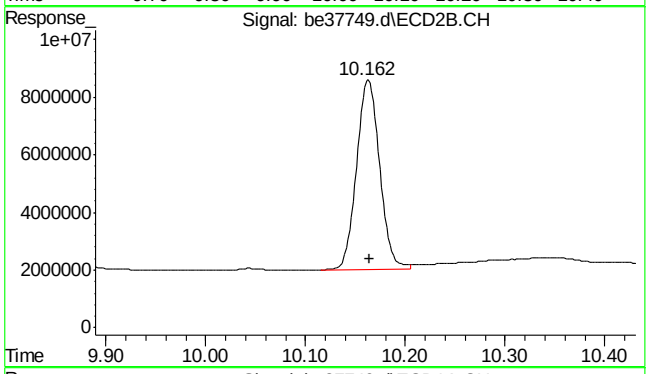
#22 Methoxychlor

R.T.: 9.858 min
Delta R.T.: -0.002 min
Response: 43316233
Conc: 67.46 ppb m



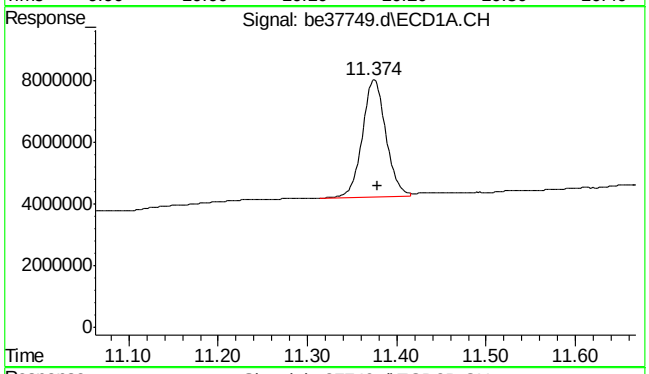
#23 Endrin Ketone

R.T.: 10.032 min
Delta R.T.: -0.003 min
Response: 182127866
Conc: 74.56 ppb



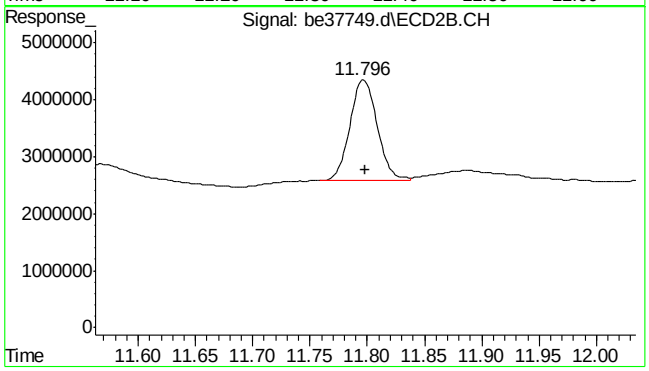
#23 Endrin Ketone

R.T.: 10.162 min
Delta R.T.: -0.002 min
Response: 105240298
Conc: 72.85 ppb m



#38 DCB

R.T.: 11.374 min
Delta R.T.: -0.004 min
Response: 69093279
Conc: 35.49 ppb m



#38 DCB

R.T.: 11.796 min
Delta R.T.: -0.002 min
Response: 29311124
Conc: 28.64 ppb m

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Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27821.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 8:29 am
Operator : nickk
Sample : ic949-1000,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:07:42 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 12 10:57:44 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.408	2.368	20818.1E6	552.4E6	91.780m	76.137m
	Spiked Amount 40.000			Recovery	= 229.45%	190.34%	
13) s	DCB	9.255	9.878	24041.7E6	565.8E6	83.399m	76.719m
	Spiked Amount 40.000			Recovery	= 208.50%	191.80%	
	Target Compounds						
2)	AR1016-A	2.693	2.753	4526.2E6	106.1E6	1381.169	855.311m#
3)	AR1016-B	2.993	3.097	9876.5E6	235.3E6	1176.096	911.582m
4)	AR1016-C	3.419	3.526	21593.2E6	485.4E6	1197.011	1002.632
5)	AR1016-D	3.548	3.660	13858.8E6	198.6E6	1297.783m	1047.447
6)	AR1016-E	3.961	4.152	8464.2E6	225.5E6	1128.700m	963.155m
7)	AR1260-A	5.400	5.714	14952.6E6	324.4E6	1181.076	955.500m
8)	AR1260-B	5.766	6.000	30362.7E6	394.1E6	1109.113m	1056.673m
9)	AR1260-C	6.309	6.640	55420.9E6	1007.9E6	1262.008m	964.808m
10)	AR1260-D	7.113	7.457	44442.8E6	804.6E6	1180.341m	1042.983
11)	AR1260-E	7.536	8.020	38399.0E6	755.4E6	1152.416m	1005.689m
12)	AR1260-F	8.497	8.937	9410.9E6	216.4E6	1159.120	1014.155m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9.6.15
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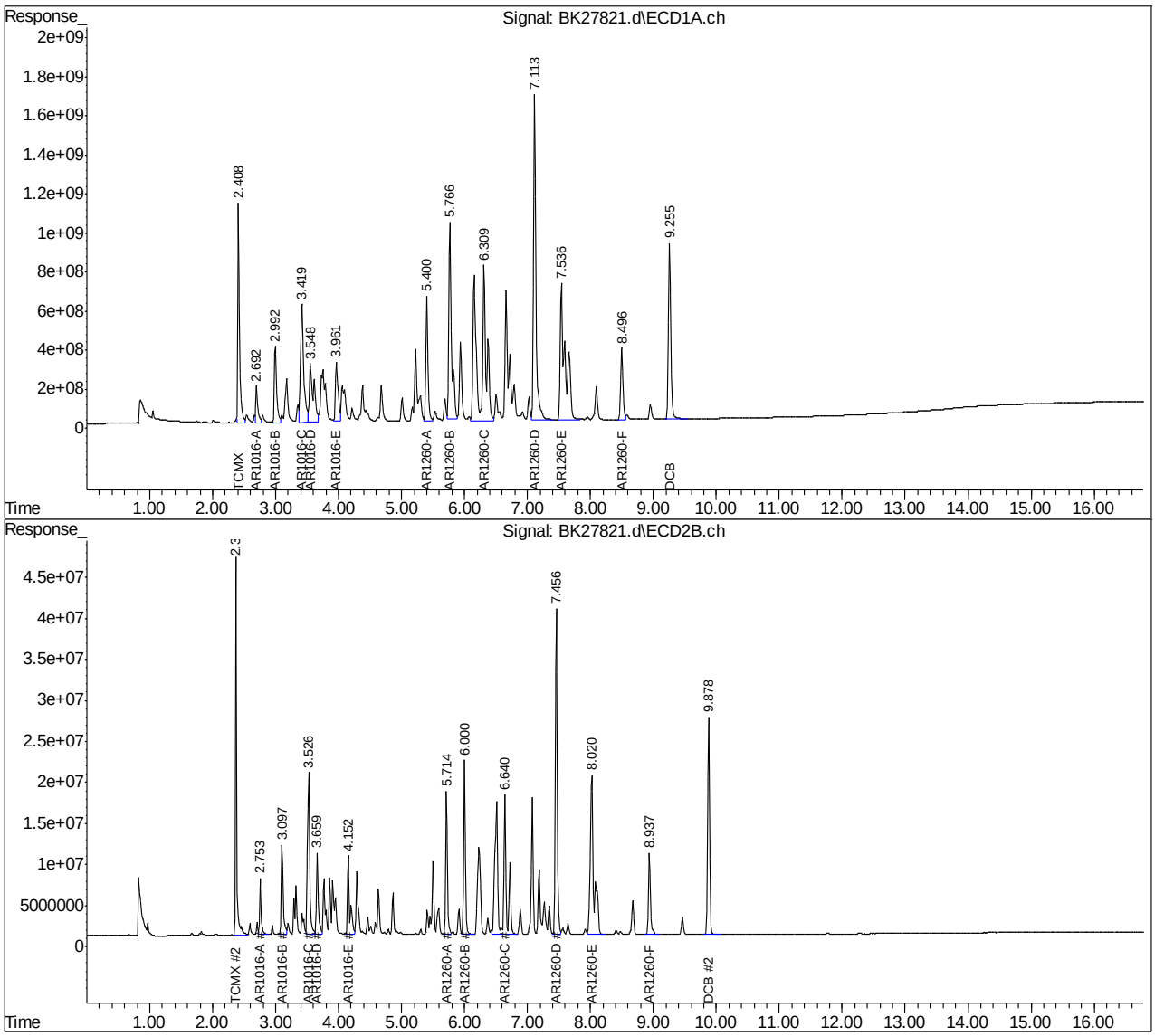
Quantitation Report (QT Reviewed)

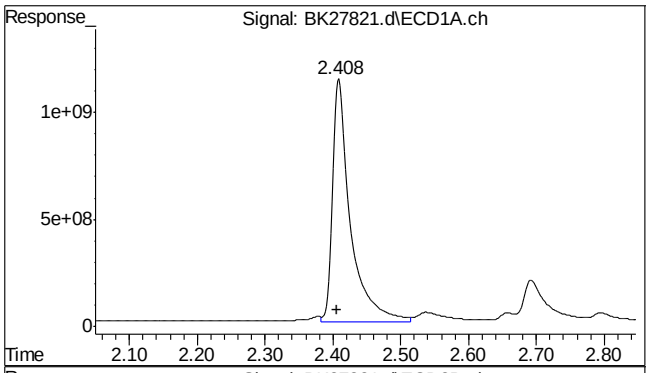
Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27821.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 8:29 am
Operator : nickk
Sample : ic949-1000,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:07:42 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 12 10:57:44 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

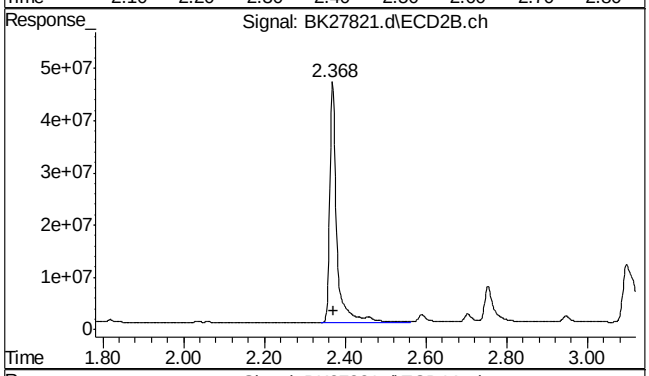


ACCUTEST LABORATORIES MC23456



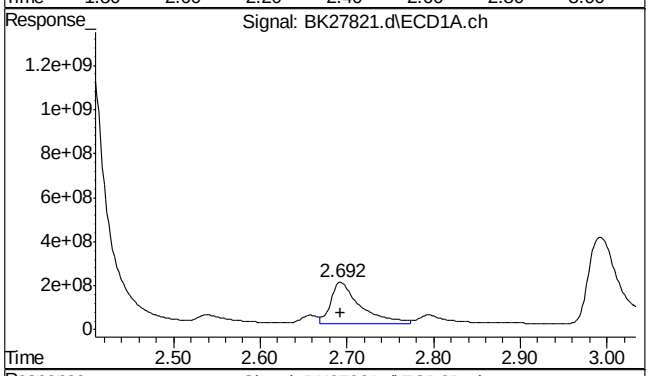
#1 TCMX

R.T.: 2.408 min
Delta R.T.: 0.002 min
Response: 20818133777
Conc: 91.78 ppb m



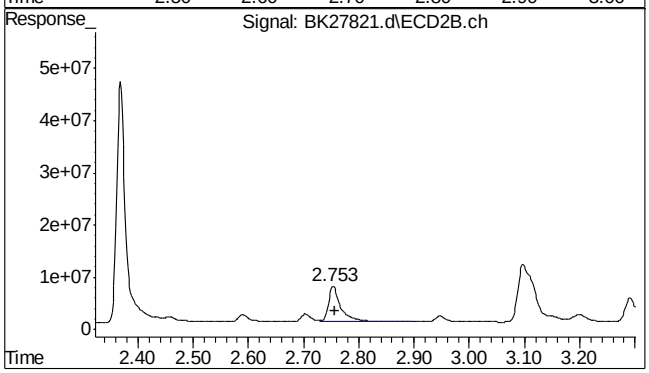
#1 TCMX

R.T.: 2.368 min
Delta R.T.: -0.003 min
Response: 552442597
Conc: 76.14 ppb m



#2 AR1016-A

R.T.: 2.693 min
Delta R.T.: 0.000 min
Response: 4526215993
Conc: 1381.17 ppb



#2 AR1016-A

R.T.: 2.753 min
Delta R.T.: -0.003 min
Response: 106105536
Conc: 855.31 ppb m

9.6.15

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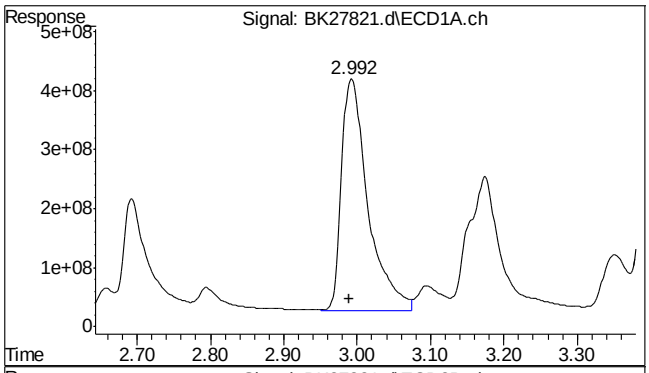
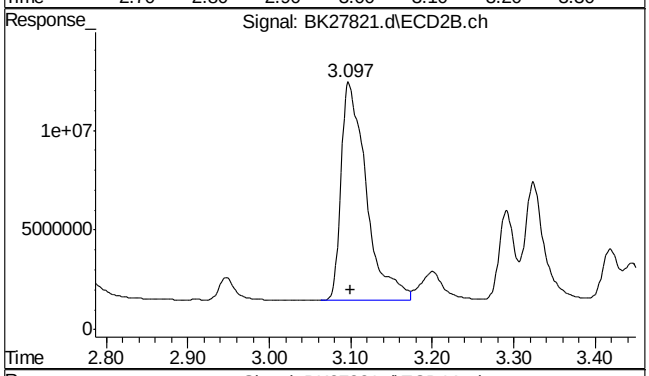


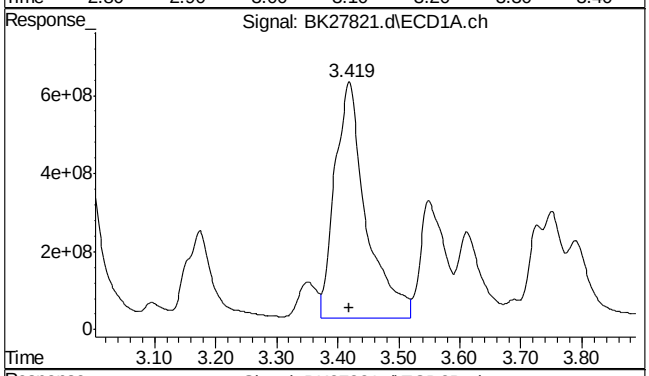
#3 AR1016-B

R.T.: 2.993 min
Delta R.T.: 0.003 min
Response: 9876521258
Conc: 1176.10 ppb



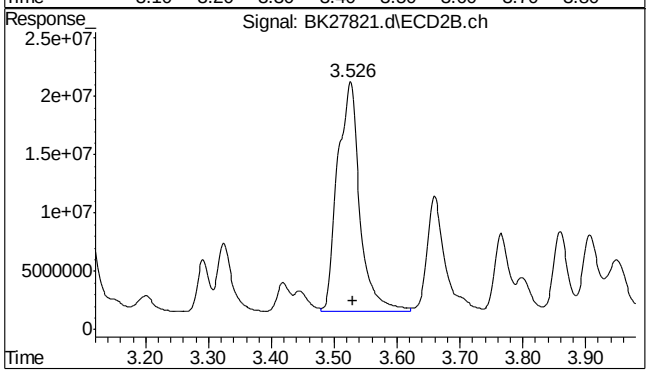
#3 AR1016-B

R.T.: 3.097 min
Delta R.T.: -0.003 min
Response: 235300945
Conc: 911.58 ppb m



#4 AR1016-C

R.T.: 3.419 min
Delta R.T.: 0.000 min
Response: 21593177132
Conc: 1197.01 ppb

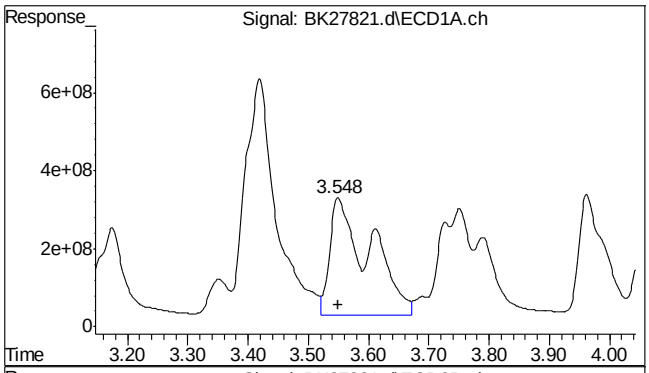


#4 AR1016-C

R.T.: 3.526 min
Delta R.T.: -0.003 min
Response: 485398390
Conc: 1002.63 ppb

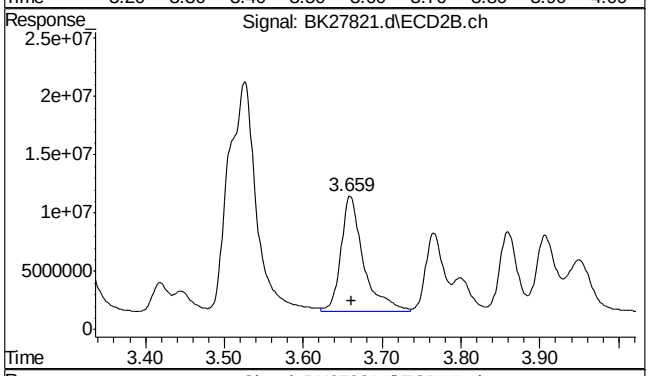
9.6.15

6



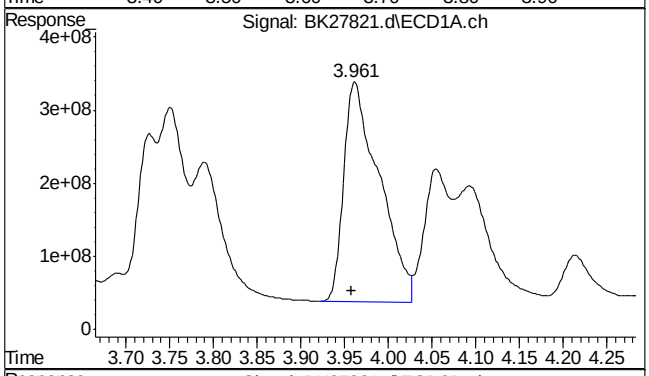
#5 AR1016-D

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 13858820909
Conc: 1297.78 m



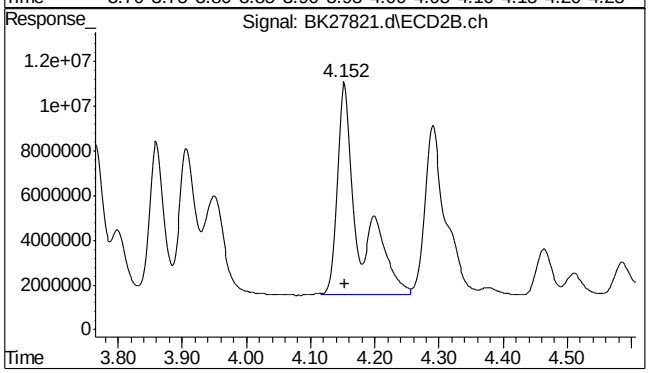
#5 AR1016-D

R.T.: 3.660 min
Delta R.T.: -0.002 min
Response: 198575544
Conc: 1047.45



#6 AR1016-E

R.T.: 3.961 min
Delta R.T.: 0.003 min
Response: 8464183859
Conc: 1128.70 m

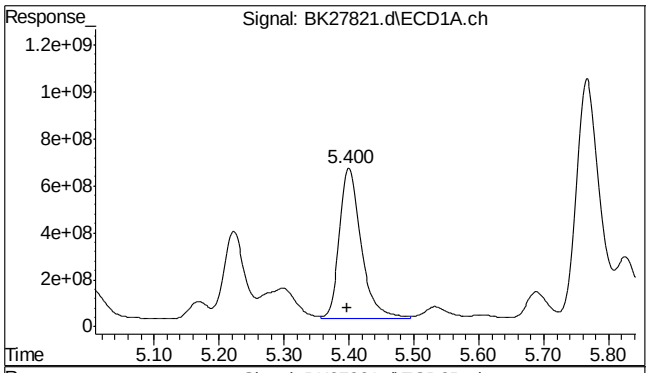


#6 AR1016-E

R.T.: 4.152 min
Delta R.T.: -0.002 min
Response: 225542290
Conc: 963.16 m

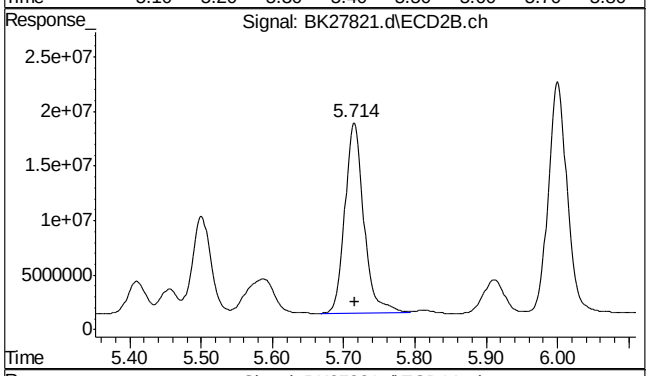
9.6.15

6



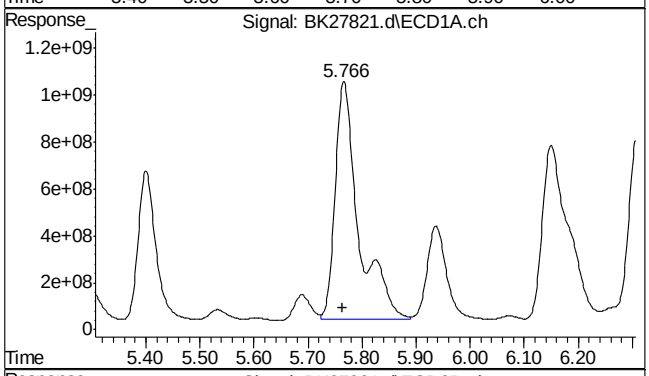
#7 AR1260-A

R.T.: 5.400 min
Delta R.T.: 0.003 min
Response: 14952605635
Conc: 1181.08 ppb



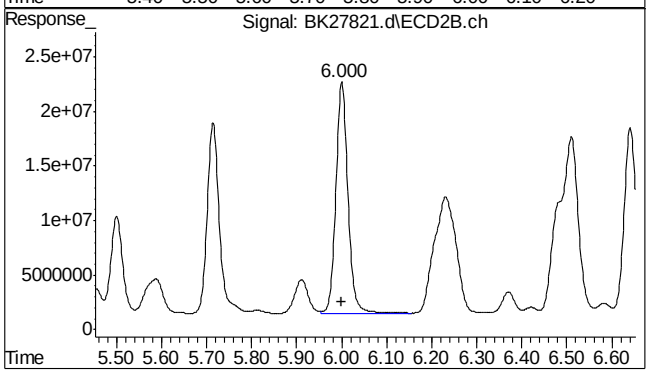
#7 AR1260-A

R.T.: 5.714 min
Delta R.T.: -0.001 min
Response: 324446969
Conc: 955.50 ppb m



#8 AR1260-B

R.T.: 5.766 min
Delta R.T.: 0.002 min
Response: 30362739071
Conc: 1109.11 ppb m

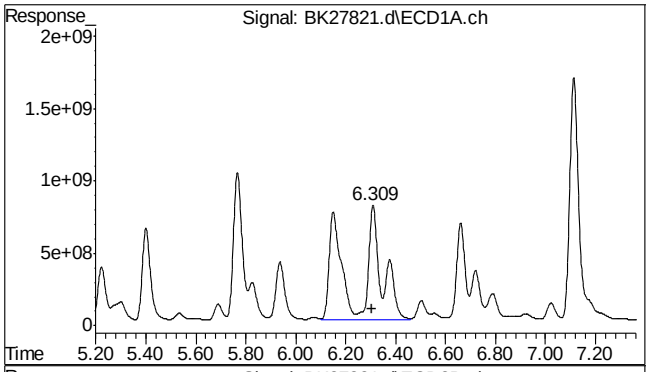


#8 AR1260-B

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 394088916
Conc: 1056.67 ppb m

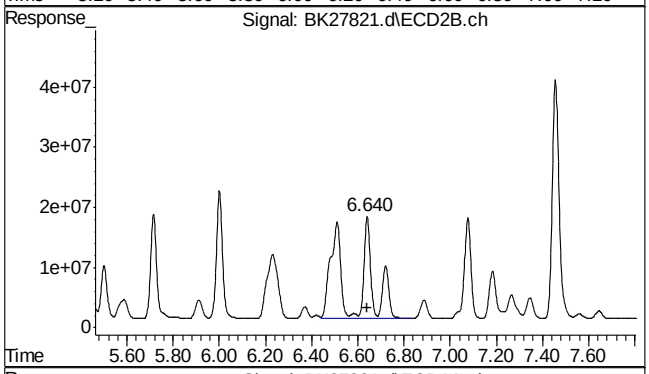
9.6.15

6



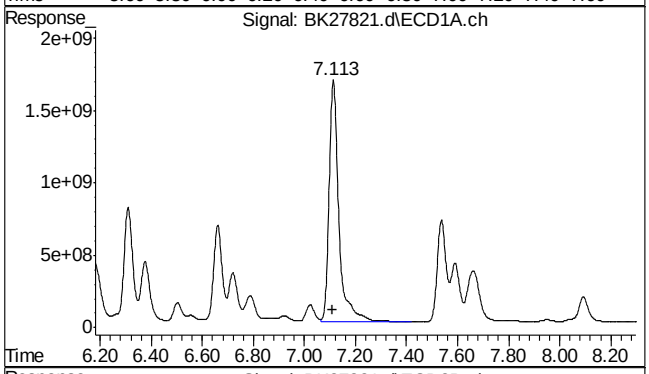
#9 AR1260-C

R.T.: 6.309 min
Delta R.T.: 0.002 min
Response: 55420949355
Conc: 1262.01 ppb m



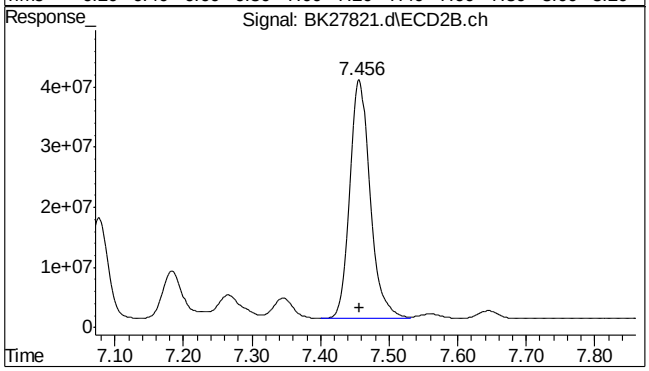
#9 AR1260-C

R.T.: 6.640 min
Delta R.T.: 0.000 min
Response: 1007935666
Conc: 964.81 ppb m



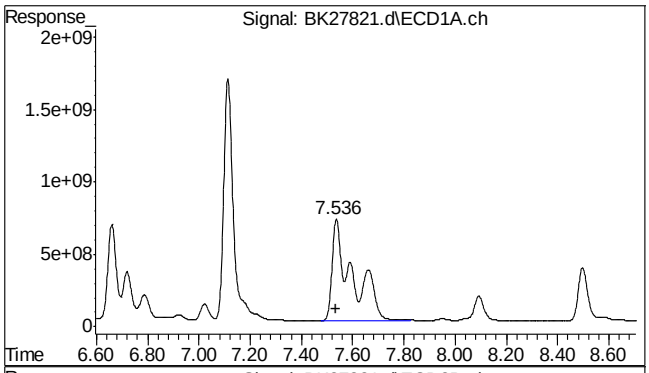
#10 AR1260-D

R.T.: 7.113 min
Delta R.T.: 0.000 min
Response: 44442759868
Conc: 1180.34 ppb m



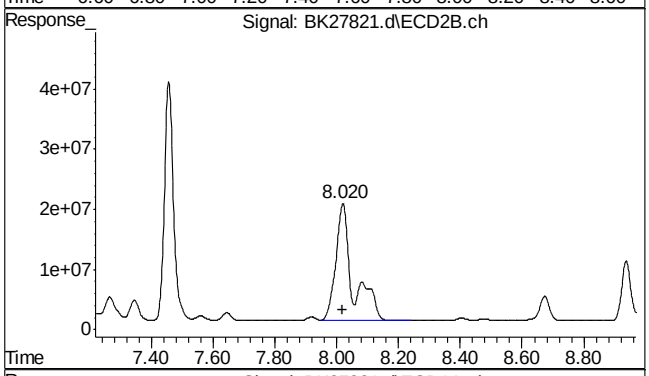
#10 AR1260-D

R.T.: 7.457 min
Delta R.T.: 0.000 min
Response: 804617064
Conc: 1042.98 ppb



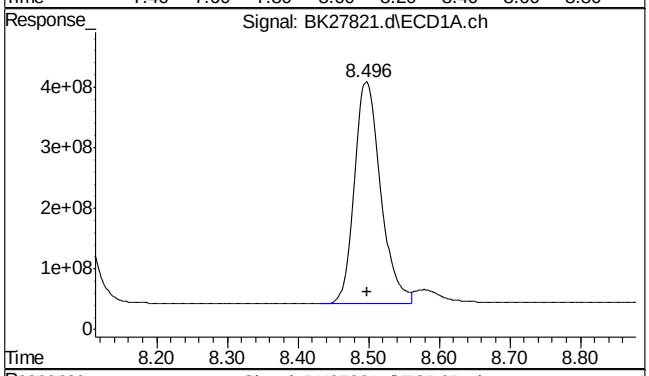
#11 AR1260-E

R.T.: 7.536 min
Delta R.T.: 0.000 min
Response: 38398984531
Conc: 1152.42 ppb m



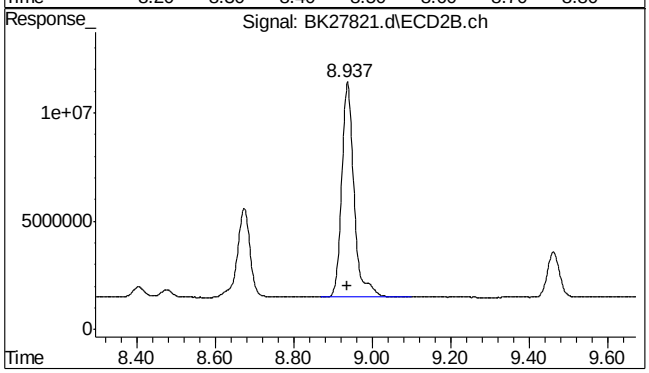
#11 AR1260-E

R.T.: 8.020 min
Delta R.T.: 0.001 min
Response: 755403428
Conc: 1005.69 ppb m



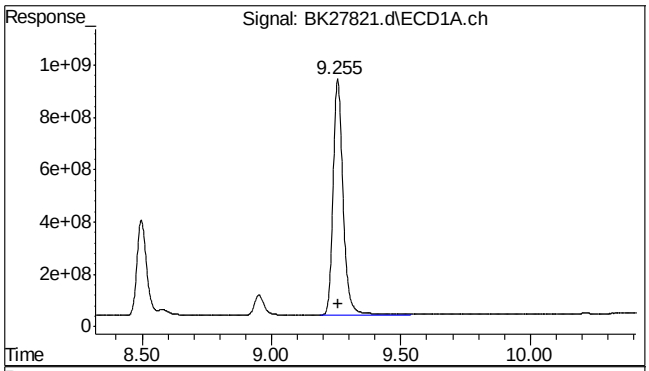
#12 AR1260-F

R.T.: 8.497 min
Delta R.T.: -0.001 min
Response: 9410888163
Conc: 1159.12



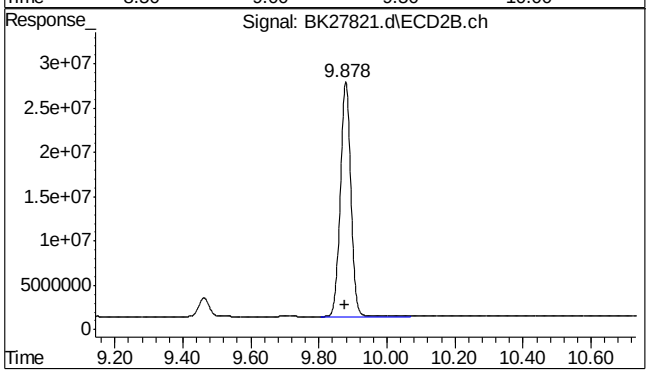
#12 AR1260-F

R.T.: 8.937 min
Delta R.T.: 0.000 min
Response: 216385118
Conc: 1014.15 m



#13 DCB

R.T.: 9.255 min
Delta R.T.: 0.000 min
Response: 24041677924
Conc: 83.40 ppb m



#13 DCB

R.T.: 9.878 min
Delta R.T.: 0.001 min
Response: 565829938
Conc: 76.72 ppb m

9.6.15

6

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27822.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 8:48 am
Operator : nickk
Sample : ic949-750,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:06:54 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 09:41:24 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.401	2.370	14537.7E6	411.0E6	61.104m	56.557m
	Spiked Amount 40.000			Recovery	= 152.76%	141.39%	
13) s	DCB	9.249	9.876	18084.2E6	427.0E6	61.442m	57.019m
	Spiked Amount 40.000			Recovery	= 153.60%	142.55%	
	Target Compounds						
2)	AR1016-A	2.686	2.755	3416.3E6	90610867	980.889m	736.968m
3)	AR1016-B	2.986	3.099	7478.0E6	193.4E6	844.230	750.355m
4)	AR1016-C	3.412	3.527	16665.1E6	393.0E6	890.493	808.739m
5)	AR1016-D	3.541	3.661	10476.6E6	154.8E6	934.919m	799.001m
6)	AR1016-E	3.953	4.153	6520.9E6	185.0E6	845.863m	782.740m
7)	AR1260-A	5.392	5.714	11679.3E6	263.4E6	863.410	770.030m
8)	AR1260-B	5.757	6.000	24084.9E6	320.0E6	861.211m	817.141m
9)	AR1260-C	6.300	6.640	43128.1E6	823.2E6	926.471m	787.496m
10)	AR1260-D	7.108	7.455	30236.1E6	640.8E6	773.561	825.566m
11)	AR1260-E	7.528	8.018	30038.3E6	607.8E6	875.826m	806.248m
12)	AR1260-F	8.491	8.936	7436.6E6	173.0E6	893.992	804.902

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9.6.16

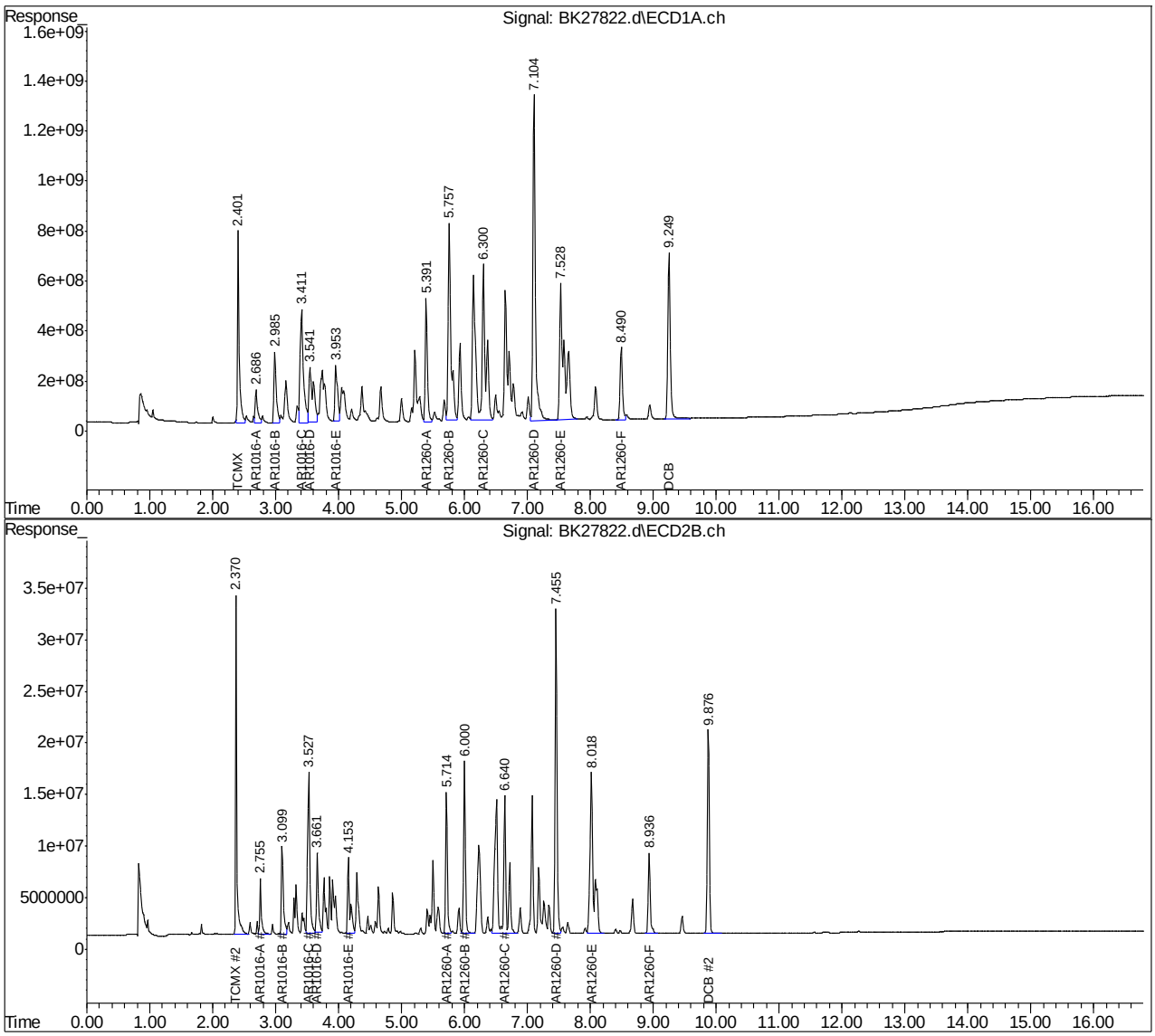
6

Quantitation Report (QT Reviewed)

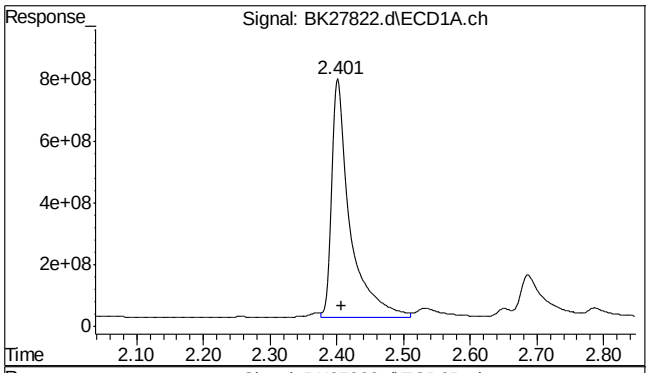
Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27822.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 8:48 am
Operator : nickk
Sample : ic949-750,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:06:54 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 09:41:24 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

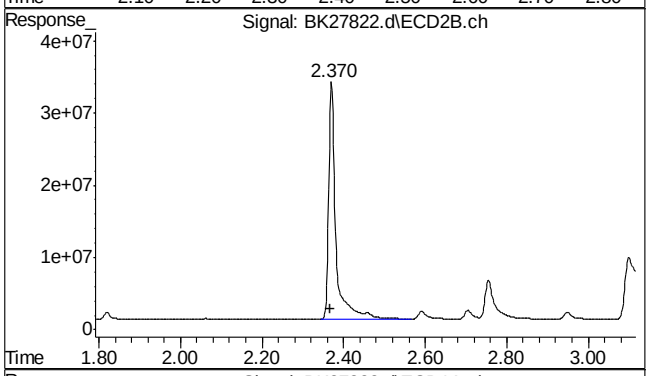


ACCUTEST LABORATORIES MC23456



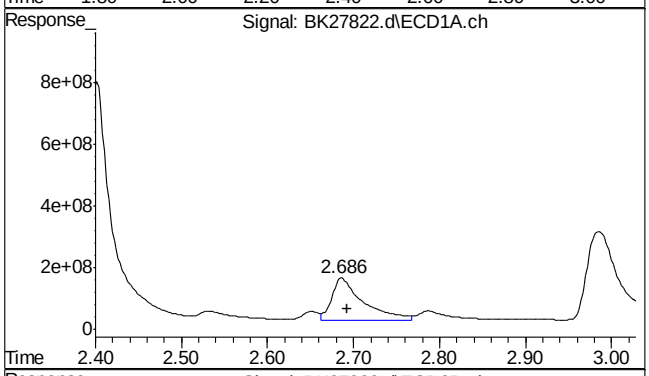
#1 TCMX

R.T.: 2.401 min
Delta R.T.: -0.007 min
Response: 14537739877
Conc: 61.10 ppb m



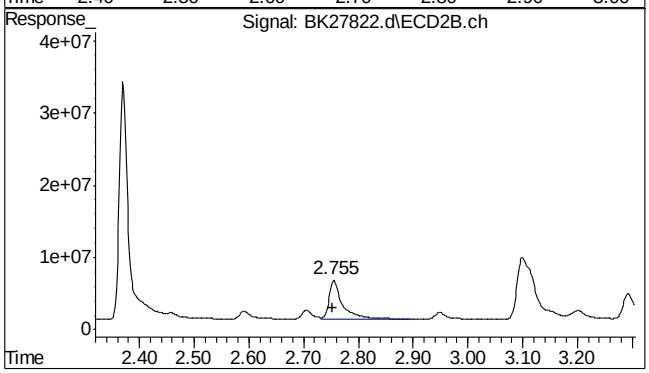
#1 TCMX

R.T.: 2.370 min
Delta R.T.: 0.002 min
Response: 410955968
Conc: 56.56 ppb m



#2 AR1016-A

R.T.: 2.686 min
Delta R.T.: -0.007 min
Response: 3416334032
Conc: 980.89 ppb m

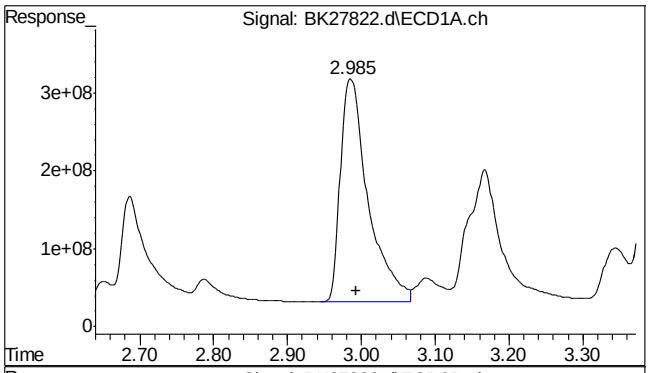


#2 AR1016-A

R.T.: 2.755 min
Delta R.T.: 0.002 min
Response: 90610867
Conc: 736.97 ppb m

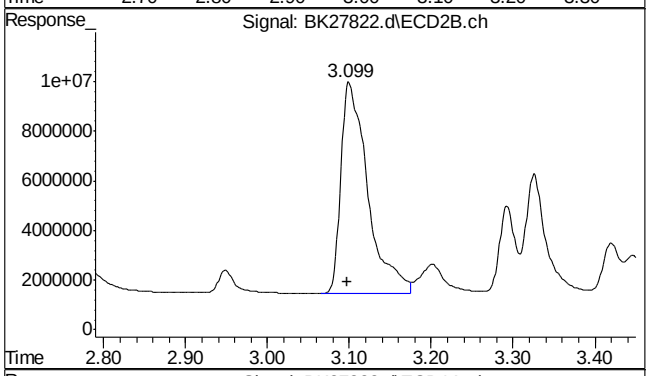
9.6.16

6



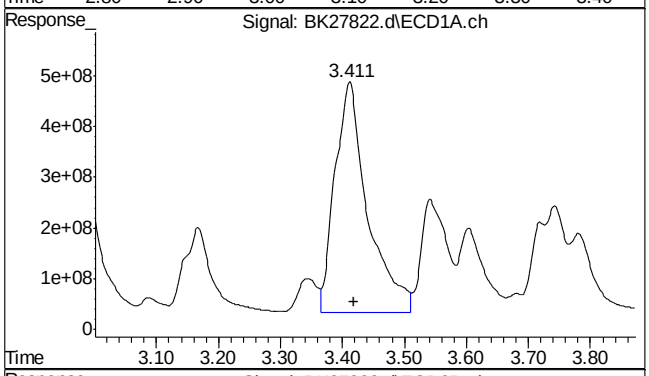
#3 AR1016-B

R.T.: 2.986 min
Delta R.T.: -0.007 min
Response: 7478014741
Conc: 844.23 ppb



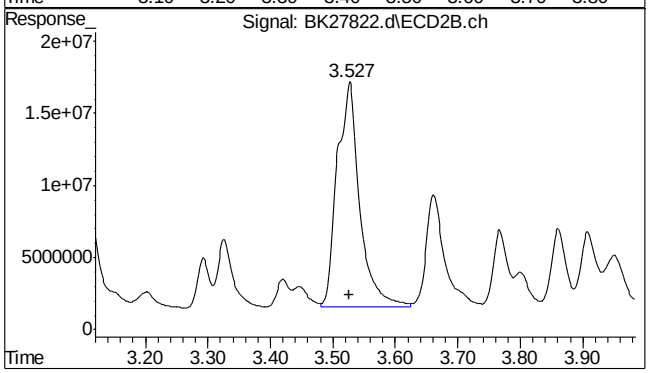
#3 AR1016-B

R.T.: 3.099 min
Delta R.T.: 0.002 min
Response: 193406124
Conc: 750.36 ppb m



#4 AR1016-C

R.T.: 3.412 min
Delta R.T.: -0.007 min
Response: 16665070577
Conc: 890.49 ppb

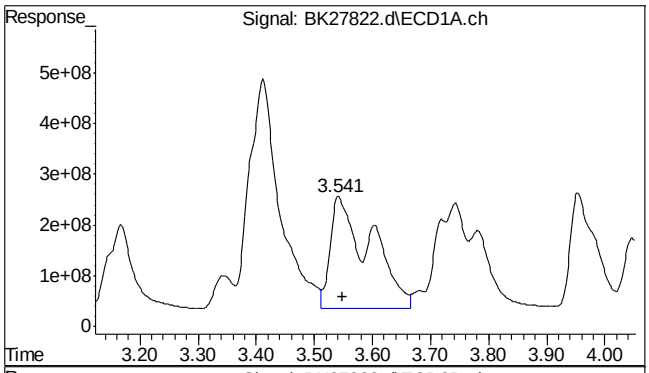


#4 AR1016-C

R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 393017797
Conc: 808.74 ppb m

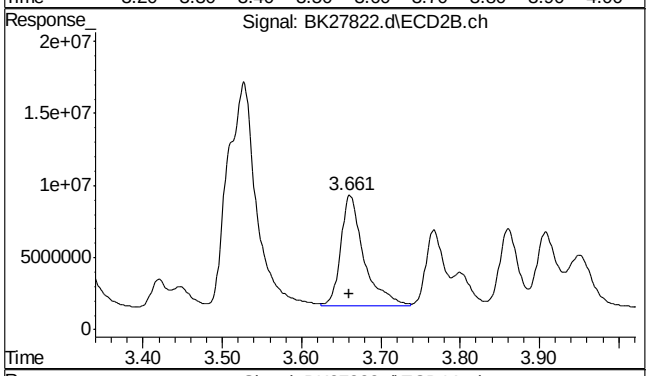
9.6.16

6



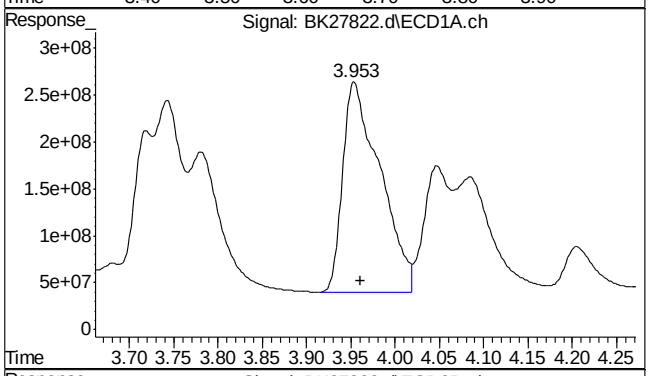
#5 AR1016-D

R.T.: 3.541 min
Delta R.T.: -0.008 min
Response: 10476610735
Conc: 934.92 m



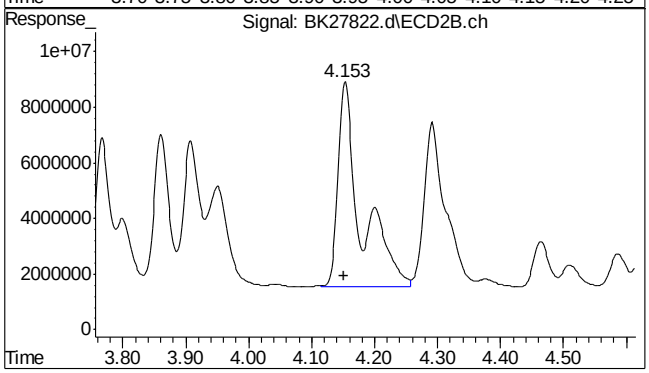
#5 AR1016-D

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 154808310
Conc: 799.00 m



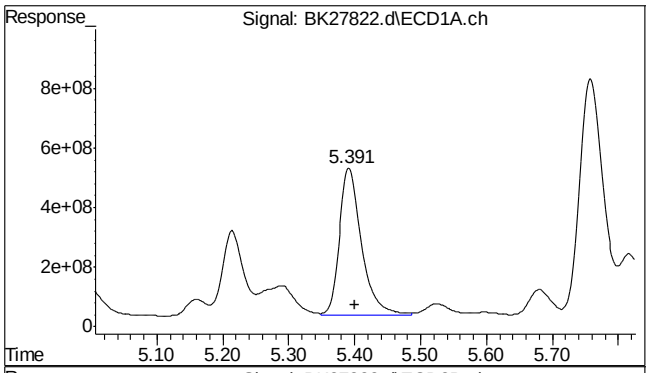
#6 AR1016-E

R.T.: 3.953 min
Delta R.T.: -0.008 min
Response: 6520875370
Conc: 845.86 m



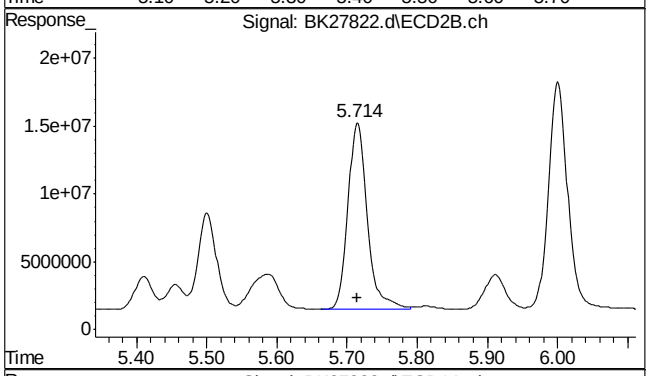
#6 AR1016-E

R.T.: 4.153 min
Delta R.T.: 0.000 min
Response: 185022837
Conc: 782.74 m



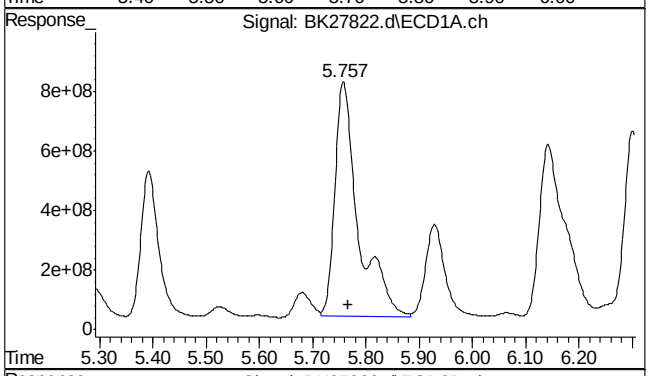
#7 AR1260-A

R.T.: 5.392 min
Delta R.T.: -0.008 min
Response: 11679290887
Conc: 863.41 ppb



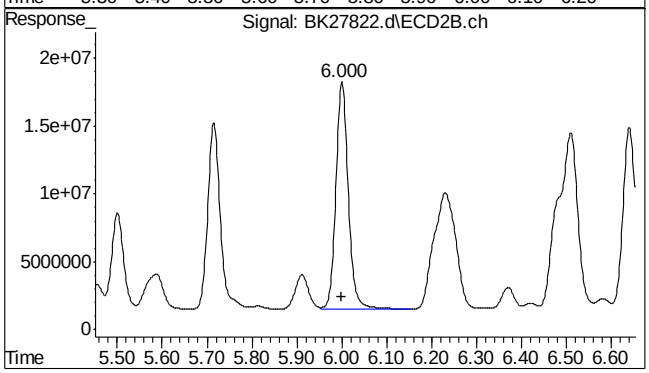
#7 AR1260-A

R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 263386403
Conc: 770.03 ppb m



#8 AR1260-B

R.T.: 5.757 min
Delta R.T.: -0.009 min
Response: 24084906037
Conc: 861.21 ppb m

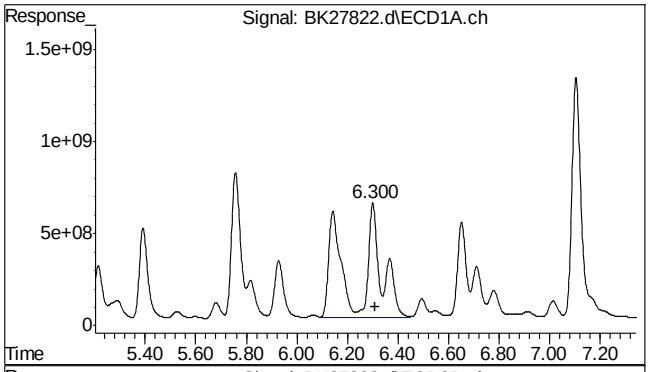


#8 AR1260-B

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 319996026
Conc: 817.14 ppb m

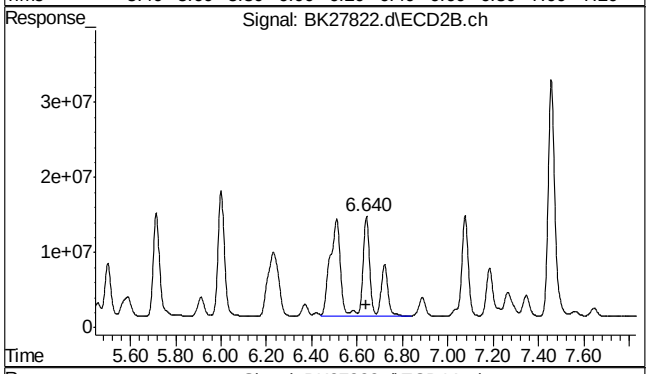
9.6.16

6



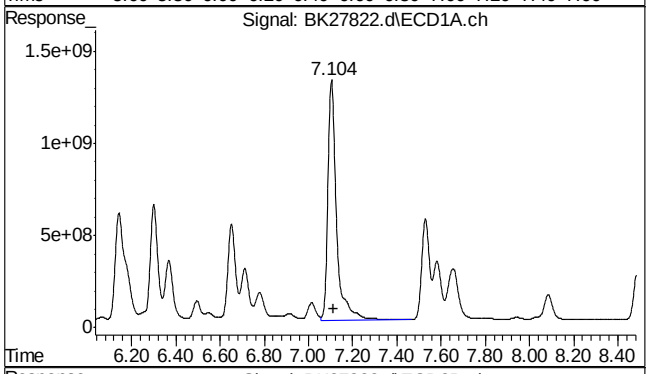
#9 AR1260-C

R.T.: 6.300 min
Delta R.T.: -0.009 min
Response: 43128126481
Conc: 926.47 ppb m



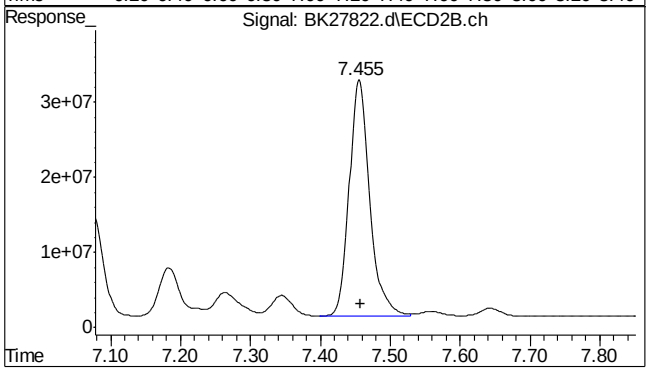
#9 AR1260-C

R.T.: 6.640 min
Delta R.T.: 0.000 min
Response: 823183857
Conc: 787.50 ppb m



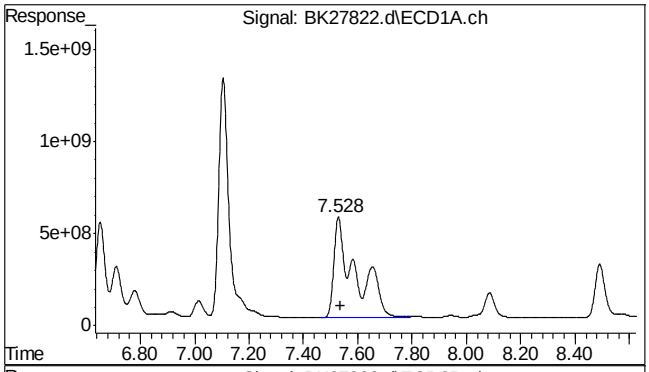
#10 AR1260-D

R.T.: 7.108 min
Delta R.T.: -0.005 min
Response: 30236137736
Conc: 773.56 ppb



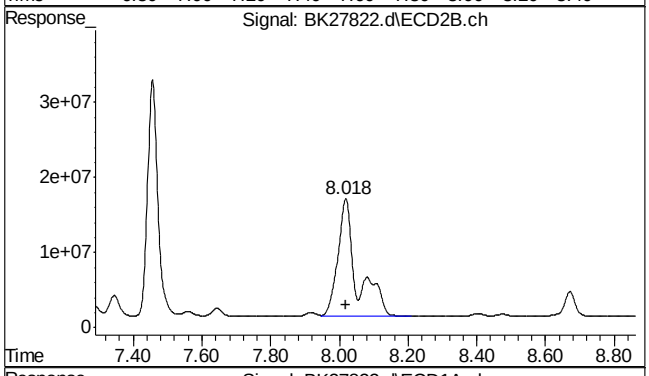
#10 AR1260-D

R.T.: 7.455 min
Delta R.T.: -0.002 min
Response: 640826825
Conc: 825.57 ppb m



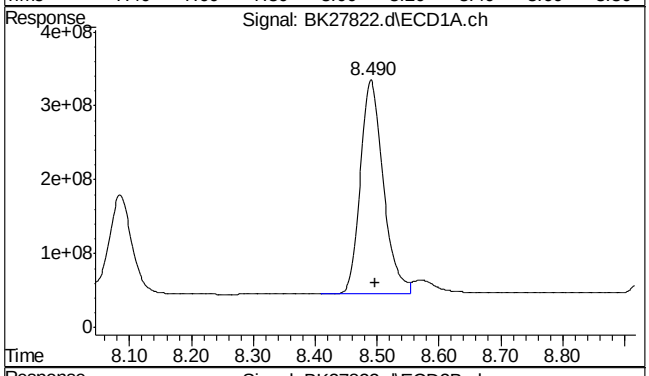
#11 AR1260-E

R.T.: 7.528 min
Delta R.T.: -0.008 min
Response: 30038337468
Conc: 875.83 ppb m



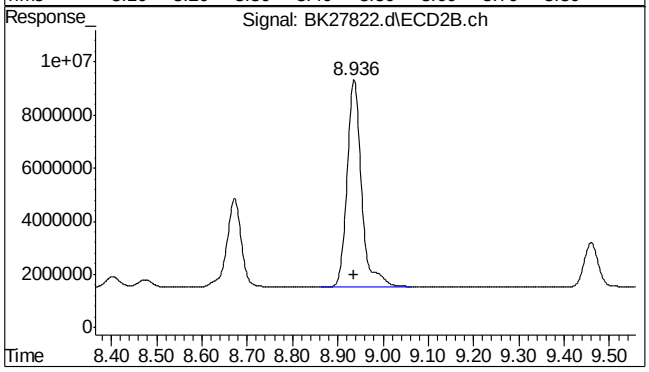
#11 AR1260-E

R.T.: 8.018 min
Delta R.T.: -0.002 min
Response: 607791208
Conc: 806.25 ppb m



#12 AR1260-F

R.T.: 8.491 min
Delta R.T.: -0.006 min
Response: 7436649111
Conc: 893.99

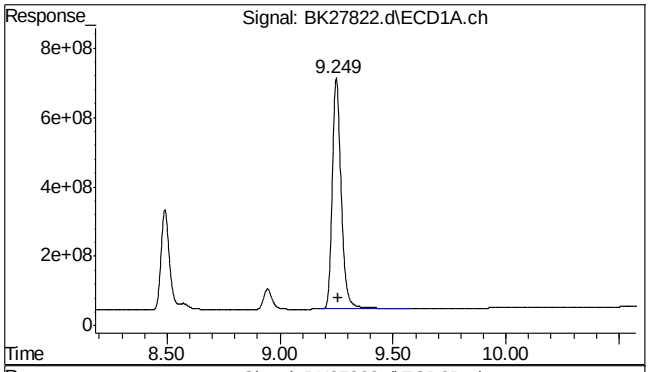


#12 AR1260-F

R.T.: 8.936 min
Delta R.T.: 0.000 min
Response: 173049104
Conc: 804.90

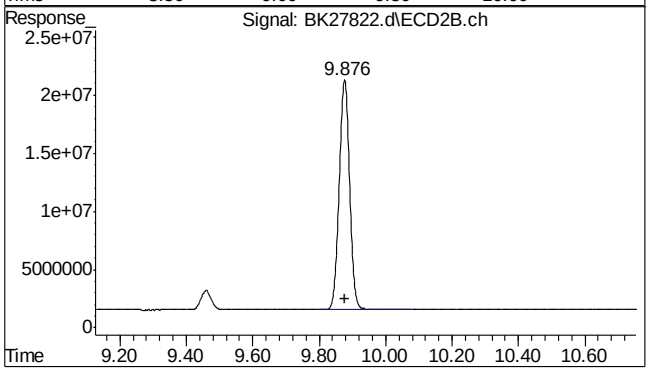
9.6.16

6



#13 DCB

R.T.: 9.249 min
Delta R.T.: -0.006 min
Response: 18084153872
Conc: 61.44 ppb m



#13 DCB

R.T.: 9.876 min
Delta R.T.: -0.002 min
Response: 426966996
Conc: 57.02 ppb m

9.6.16

6

ACCUTEST LABORATORIES
MC23456

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27823.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 9:07 am
Operator : nickk
Sample : icc949-500,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:01:42 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 09:44:47 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.403	2.371	12944.8E6	377.1E6	53.573m	51.739m
	Spiked Amount 40.000			Recovery	= 133.93%	129.35%	
13) s	DCB	9.250	9.876	16193.2E6	392.4E6	53.580m	51.645m
	Spiked Amount 40.000			Recovery	= 133.95%	129.11%	
	Target Compounds						
2)	AR1016-A	2.687	2.756	2317.0E6	65439894	639.749m	529.707m
3)	AR1016-B	2.987	3.100	5206.6E6	138.8E6	578.606	535.826m
4)	AR1016-C	3.413	3.528	11663.9E6	271.0E6	610.283	552.986m
5)	AR1016-D	3.542	3.661	7204.9E6	109.3E6	629.610m	559.864m
6)	AR1016-E	3.954	4.154	4557.6E6	131.0E6	578.120m	549.542m
7)	AR1260-A	5.393	5.715	8201.0E6	185.3E6	591.433	537.695m
8)	AR1260-B	5.758	6.000	16620.0E6	225.1E6	580.256m	565.393m
9)	AR1260-C	6.301	6.641	29444.5E6	569.8E6	611.204m	539.155m
10)	AR1260-D	7.106	7.456	24579.0E6	446.2E6	627.125	569.677m
11)	AR1260-E	7.530	8.019	21220.9E6	425.5E6	603.261m	558.989m
12)	AR1260-F	8.491	8.937	5231.4E6	121.9E6	612.175m	561.496

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9.6.17

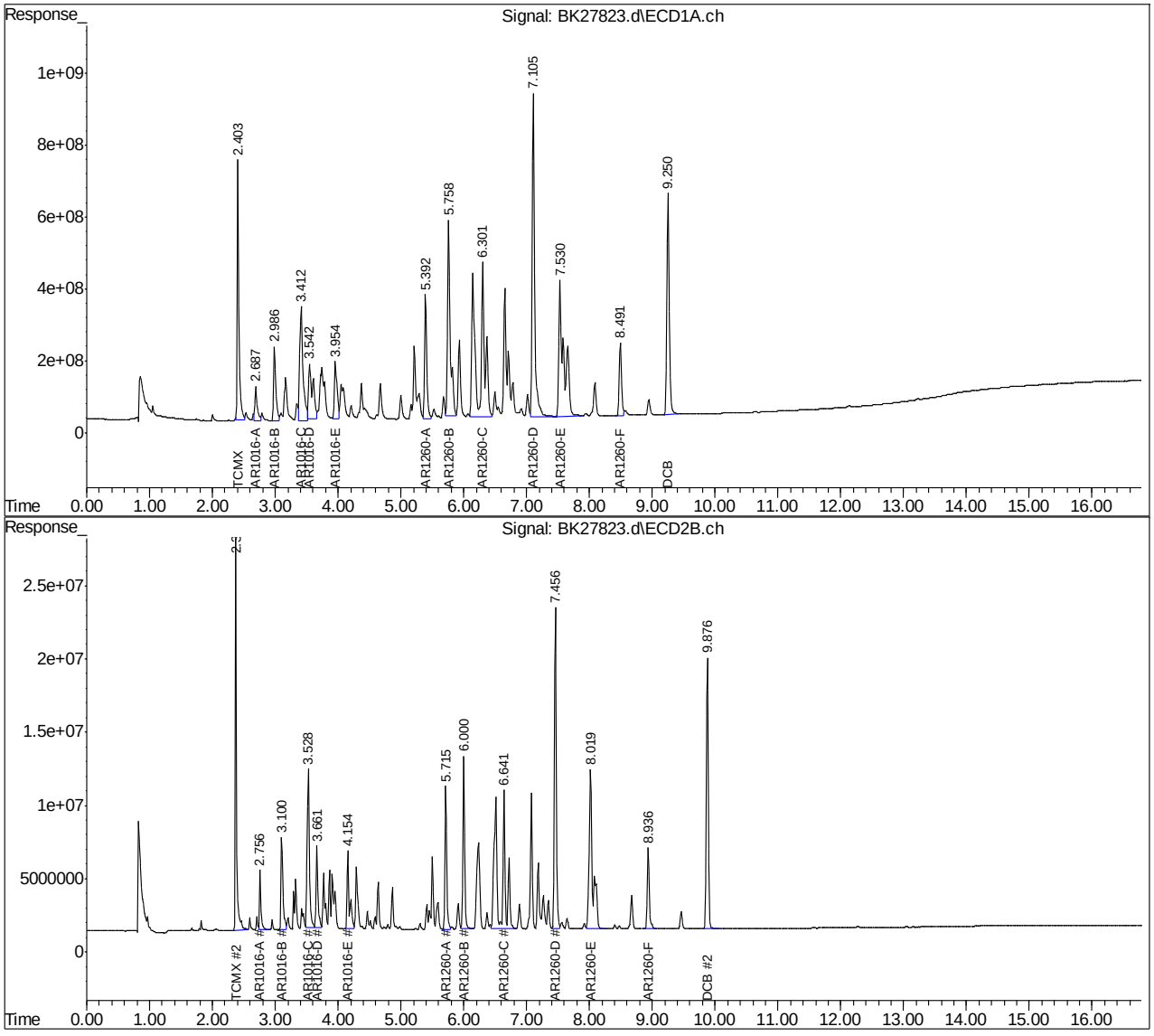
6

Quantitation Report (QT Reviewed)

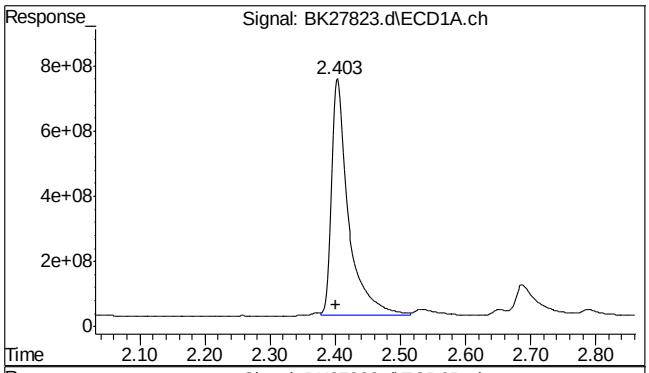
Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27823.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 9:07 am
Operator : nickk
Sample : icc949-500,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:01:42 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 09:44:47 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

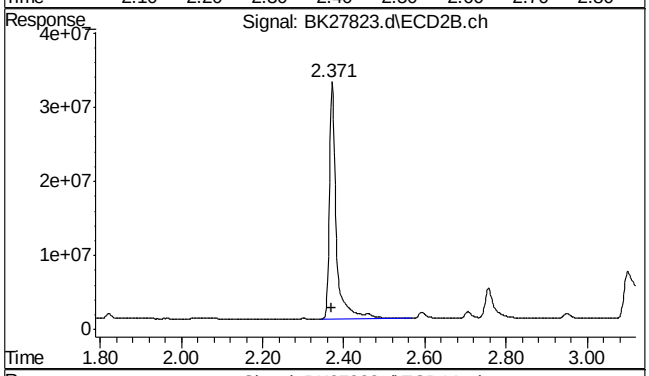


ACCUTEST LABORATORIES MC23456



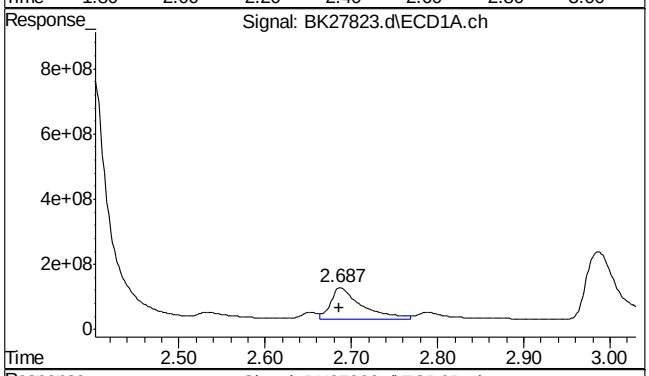
#1 TCMX

R.T.: 2.403 min
Delta R.T.: 0.002 min
Response: 12944820030
Conc: 53.57 ppb m



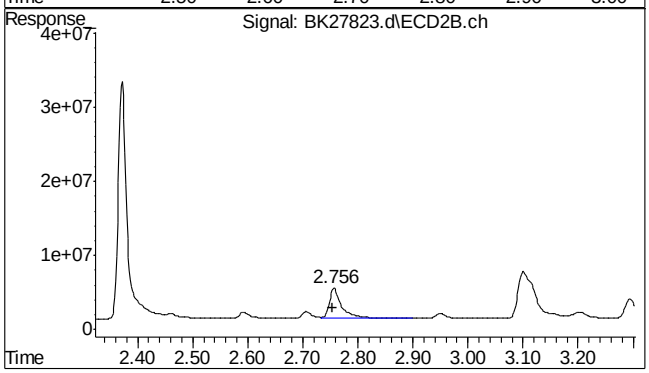
#1 TCMX

R.T.: 2.371 min
Delta R.T.: 0.001 min
Response: 377108135
Conc: 51.74 ppb m



#2 AR1016-A

R.T.: 2.687 min
Delta R.T.: 0.000 min
Response: 2317024849
Conc: 639.75 ppb m

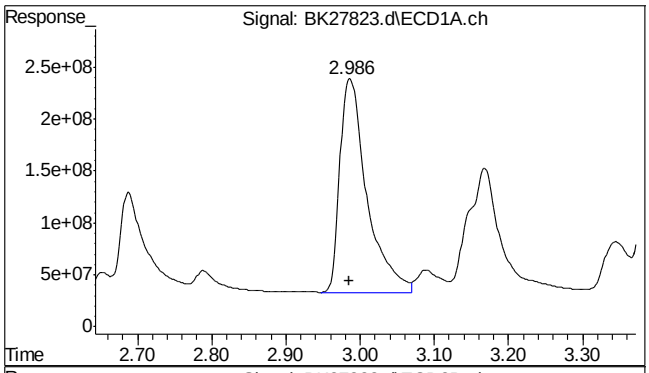


#2 AR1016-A

R.T.: 2.756 min
Delta R.T.: 0.001 min
Response: 65439894
Conc: 529.71 ppb m

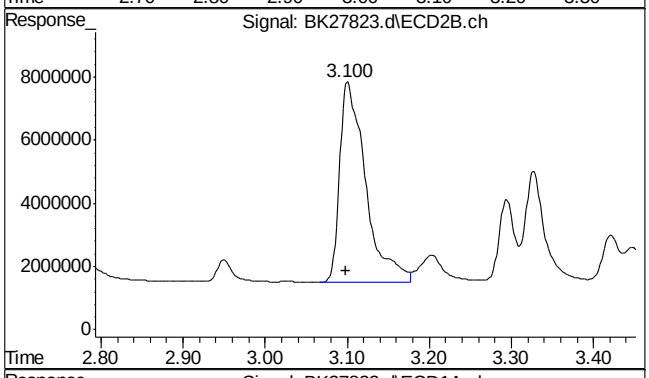
9.6.17

9



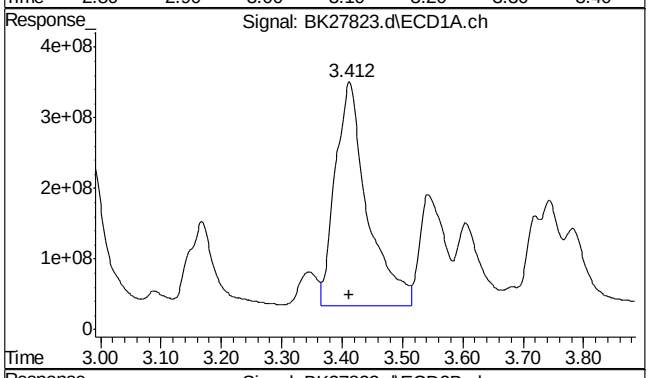
#3 AR1016-B

R.T.: 2.987 min
Delta R.T.: 0.000 min
Response: 5206644761
Conc: 578.61 ppb



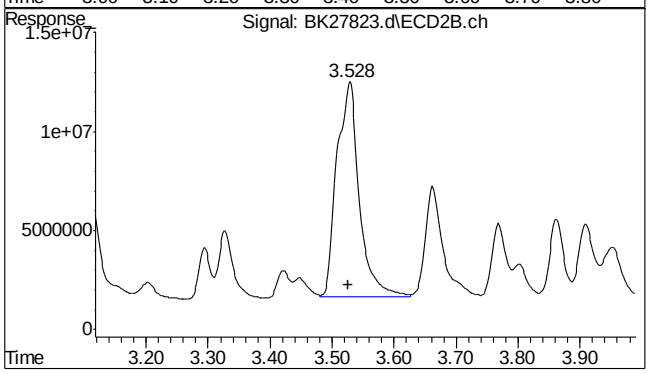
#3 AR1016-B

R.T.: 3.100 min
Delta R.T.: 0.000 min
Response: 138797679
Conc: 535.83 ppb m



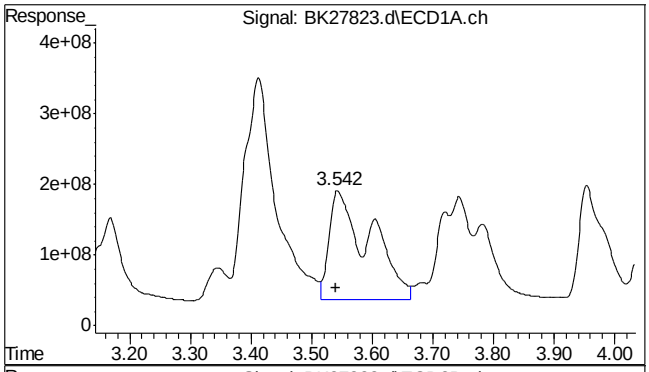
#4 AR1016-C

R.T.: 3.413 min
Delta R.T.: 0.000 min
Response: 11663935030
Conc: 610.28 ppb



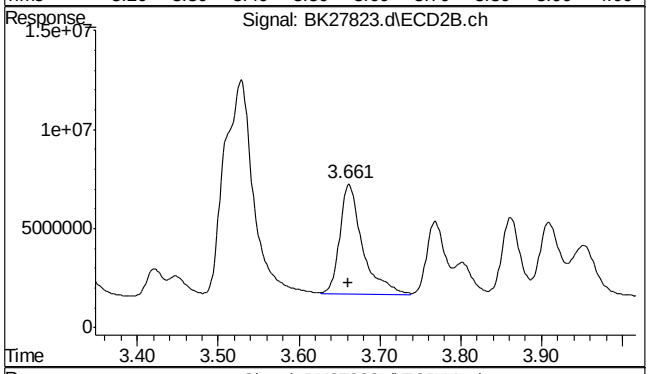
#4 AR1016-C

R.T.: 3.528 min
Delta R.T.: 0.001 min
Response: 271041803
Conc: 552.99 ppb m



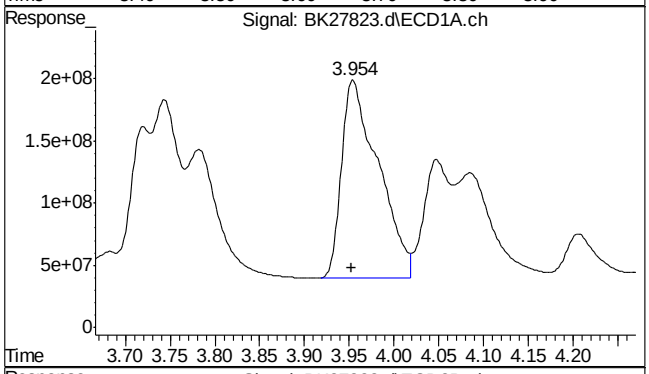
#5 AR1016-D

R.T.: 3.542 min
Delta R.T.: 0.001 min
Response: 7204935842
Conc: 629.61 m



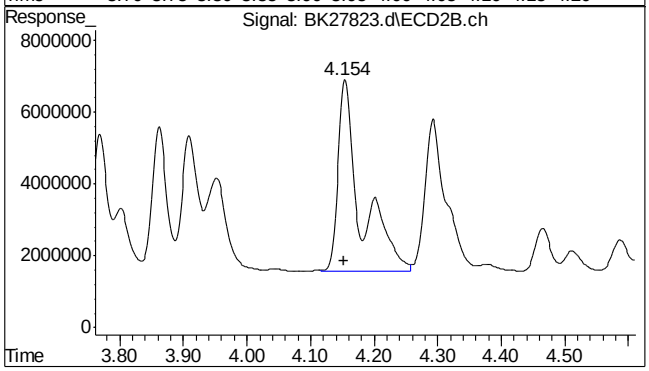
#5 AR1016-D

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 109308789
Conc: 559.86 m



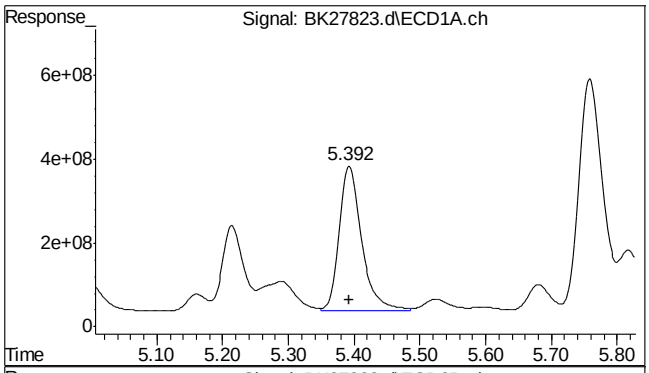
#6 AR1016-E

R.T.: 3.954 min
Delta R.T.: 0.000 min
Response: 4557565038
Conc: 578.12 m



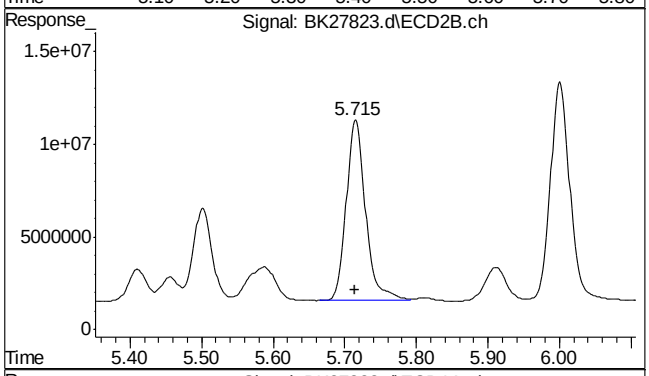
#6 AR1016-E

R.T.: 4.154 min
Delta R.T.: 0.001 min
Response: 130970894
Conc: 549.54 m



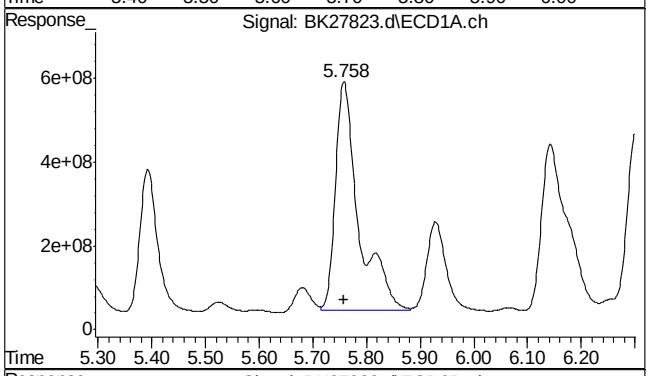
#7 AR1260-A

R.T.: 5.393 min
Delta R.T.: 0.000 min
Response: 8201025616
Conc: 591.43 ppb



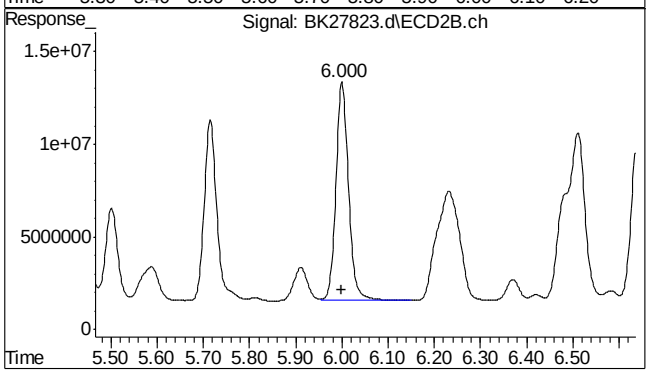
#7 AR1260-A

R.T.: 5.715 min
Delta R.T.: 0.000 min
Response: 185349236
Conc: 537.70 ppb m



#8 AR1260-B

R.T.: 5.758 min
Delta R.T.: 0.000 min
Response: 16619986447
Conc: 580.26 ppb m

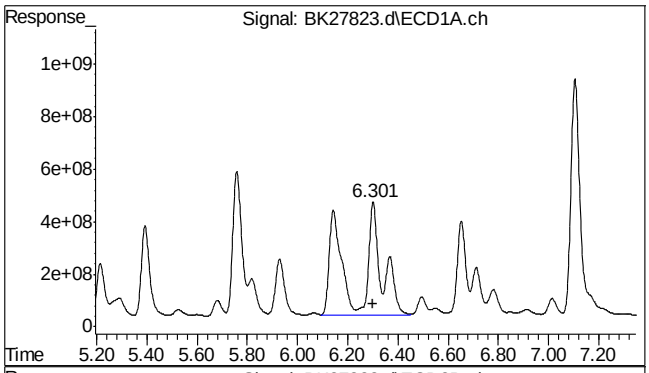


#8 AR1260-B

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 225103324
Conc: 565.39 ppb m

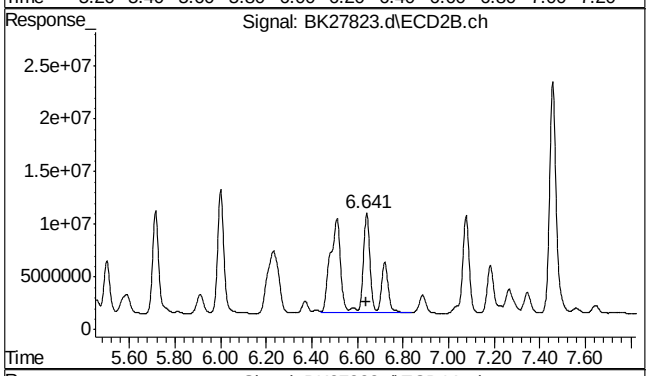
9.6.17

9



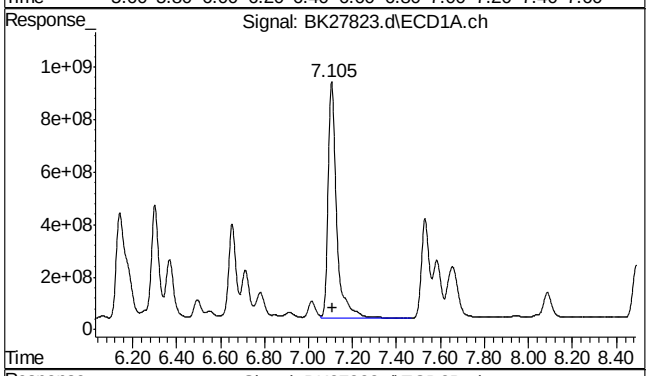
#9 AR1260-C

R.T.: 6.301 min
Delta R.T.: 0.001 min
Response: 29444488735
Conc: 611.20 ppb m



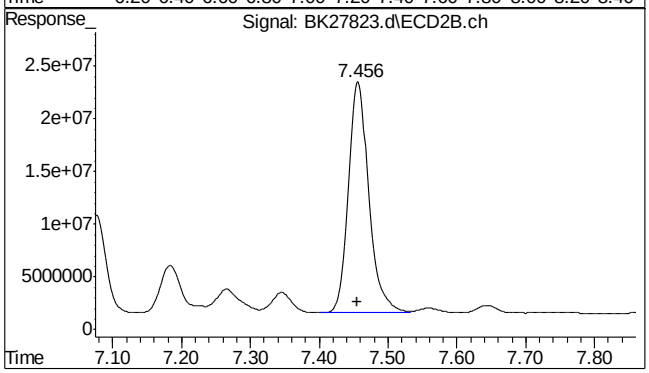
#9 AR1260-C

R.T.: 6.641 min
Delta R.T.: 0.000 min
Response: 569763746
Conc: 539.15 ppb m



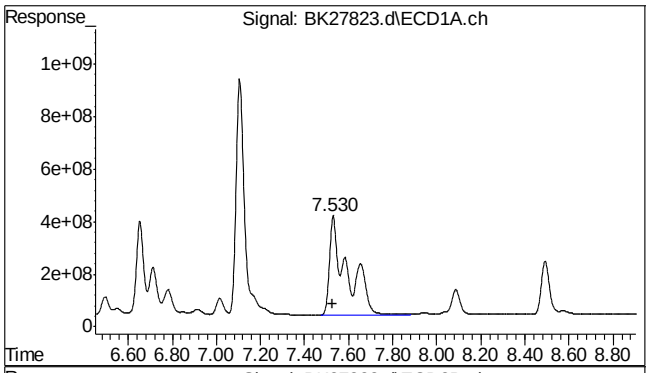
#10 AR1260-D

R.T.: 7.106 min
Delta R.T.: -0.002 min
Response: 24578986554
Conc: 627.13 ppb



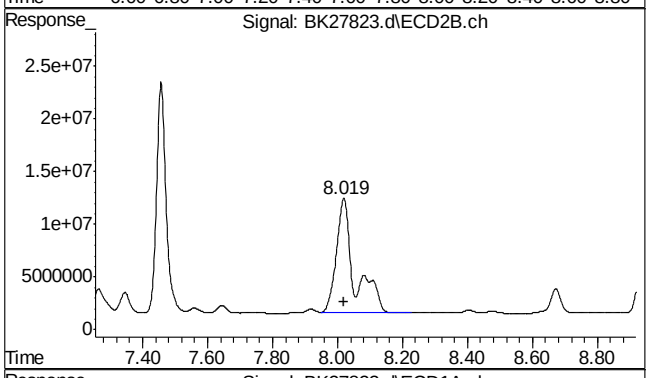
#10 AR1260-D

R.T.: 7.456 min
Delta R.T.: 0.001 min
Response: 446199956
Conc: 569.68 ppb m



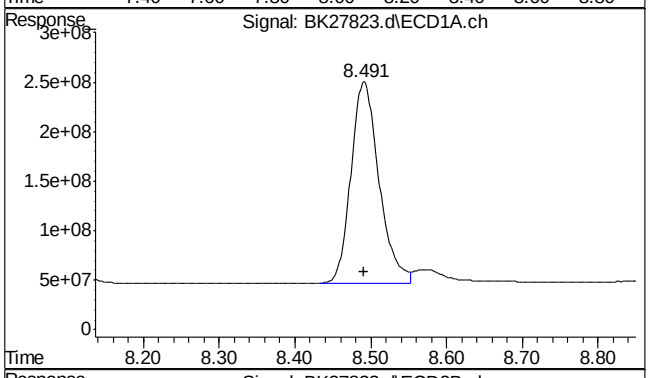
#11 AR1260-E

R.T.: 7.530 min
Delta R.T.: 0.001 min
Response: 21220875280
Conc: 603.26 ppb m



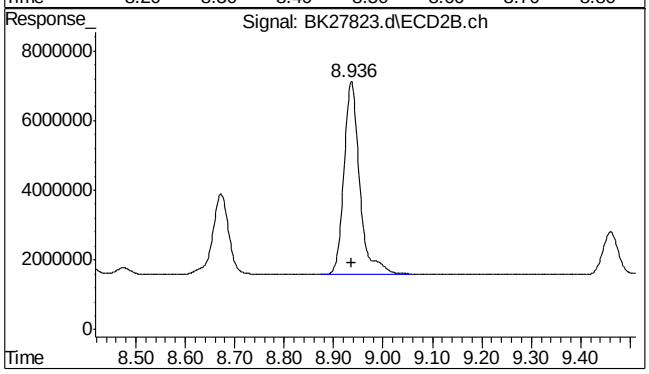
#11 AR1260-E

R.T.: 8.019 min
Delta R.T.: 0.000 min
Response: 425520648
Conc: 558.99 ppb m



#12 AR1260-F

R.T.: 8.491 min
Delta R.T.: 0.000 min
Response: 5231416212
Conc: 612.18 m

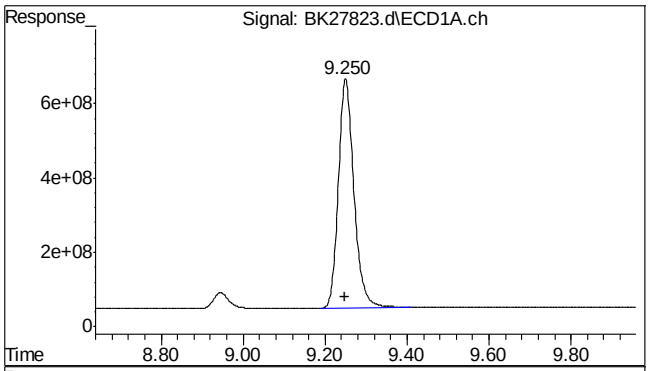


#12 AR1260-F

R.T.: 8.937 min
Delta R.T.: 0.000 min
Response: 121853200
Conc: 561.50

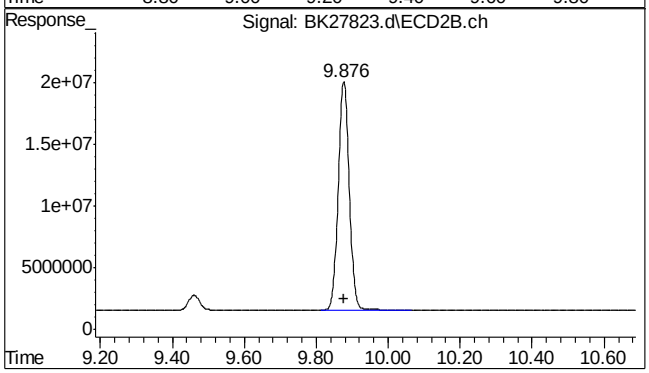
9.6.17

9



#13 DCB

R.T.: 9.250 min
Delta R.T.: 0.000 min
Response: 16193241050
Conc: 53.58 ppb m



#13 DCB

R.T.: 9.876 min
Delta R.T.: 0.000 min
Response: 392368324
Conc: 51.65 ppb m

9.6.17

9

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27824.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 9:26 am
Operator : nickk
Sample : ic949-250,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:06:25 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 09:51:31 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.403	2.371	10115.1E6	292.3E6	40.479m	39.307m
	Spiked Amount 40.000			Recovery	= 101.20%	98.27%	
13) s	DCB	9.250	9.876	12951.0E6	308.1E6	40.024m	38.940m
	Spiked Amount 40.000			Recovery	= 100.06%	97.35%	
	Target Compounds						
2)	AR1016-A	2.688	2.756	1032.2E6	31568899	266.553m	248.010m
3)	AR1016-B	2.986	3.099	2355.5E6	67384063	250.718	253.306m
4)	AR1016-C	3.413	3.528	5358.5E6	129.3E6	263.837	253.693m
5)	AR1016-D	3.542	3.661	3243.4E6	51910729	261.063m	252.631m
6)	AR1016-E	3.953	4.153	2147.3E6	62347215	256.972m	251.612m
7)	AR1260-A	5.391	5.714	3662.7E6	88810183	249.233m	249.421m
8)	AR1260-B	5.757	6.000	7629.5E6	105.9E6	249.032m	255.957m
9)	AR1260-C	6.300	6.640	13464.8E6	269.0E6	261.005m	249.629m
10)	AR1260-D	7.105	7.456	10834.9E6	202.0E6	256.490m	246.103m
11)	AR1260-E	7.529	8.018	9483.2E6	196.8E6	249.929m	247.371m
12)	AR1260-F	8.491	8.937	2389.1E6	56632541	256.647	248.780m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9.6.18

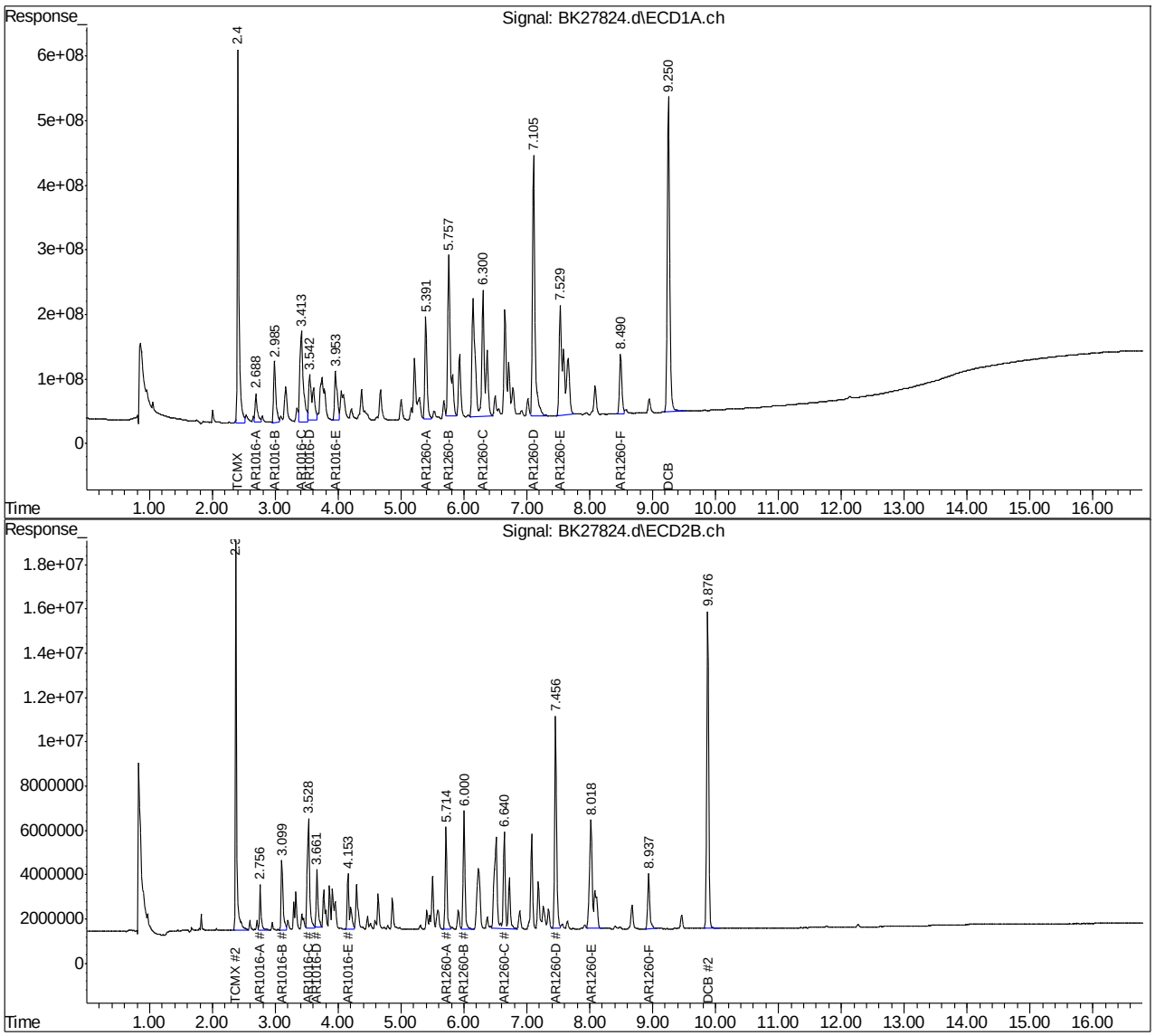
6

Quantitation Report (QT Reviewed)

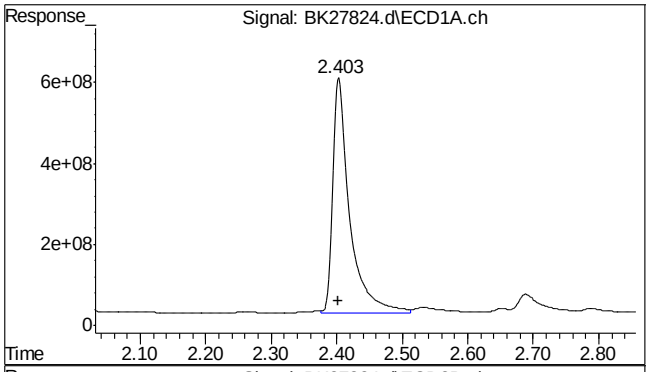
Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27824.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 9:26 am
Operator : nickk
Sample : ic949-250,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:06:25 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 09:51:31 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

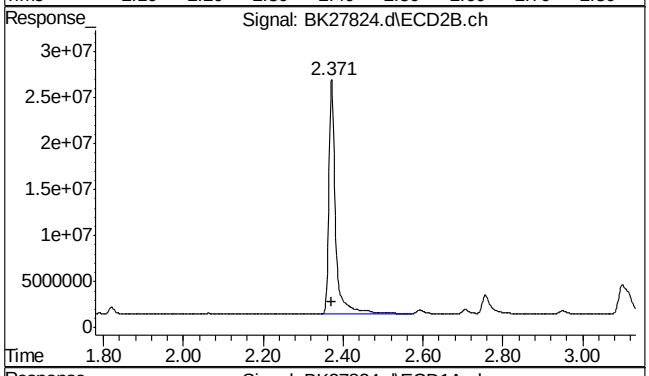


ACCUTEST LABORATORIES MC23456



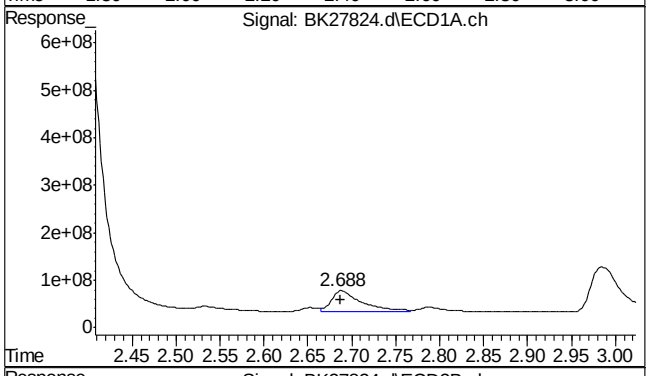
#1 TCMX

R.T.: 2.403 min
Delta R.T.: 0.000 min
Response: 10115106170
Conc: 40.48 ppb m



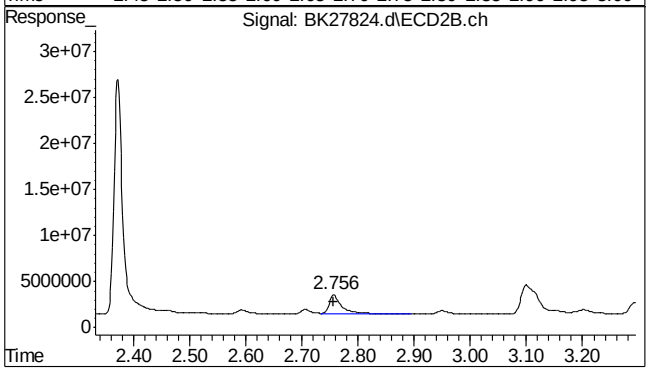
#1 TCMX

R.T.: 2.371 min
Delta R.T.: 0.000 min
Response: 292290908
Conc: 39.31 ppb m



#2 AR1016-A

R.T.: 2.688 min
Delta R.T.: 0.000 min
Response: 1032231425
Conc: 266.55 ppb m

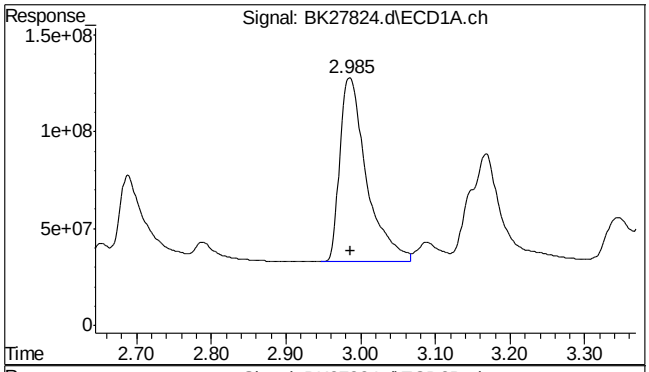


#2 AR1016-A

R.T.: 2.756 min
Delta R.T.: 0.000 min
Response: 31568899
Conc: 248.01 ppb m

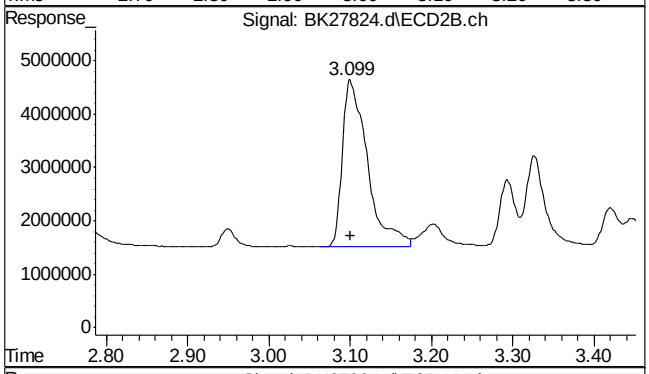
9.6.18

6



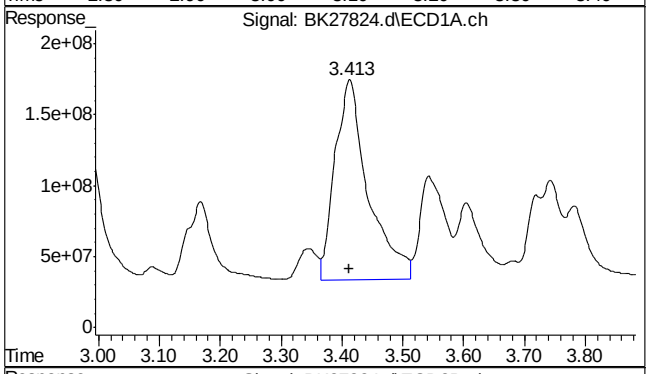
#3 AR1016-B

R.T.: 2.986 min
Delta R.T.: -0.001 min
Response: 2355549206
Conc: 250.72 ppb



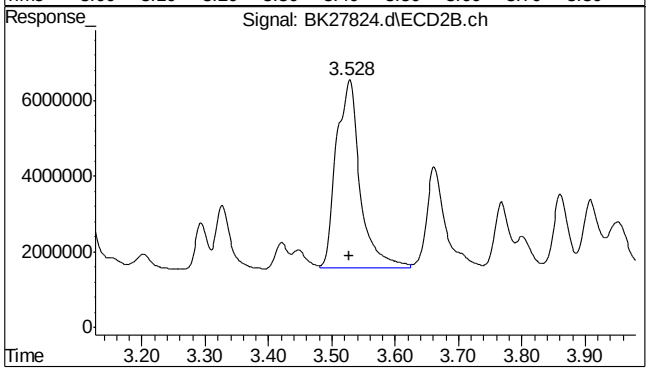
#3 AR1016-B

R.T.: 3.099 min
Delta R.T.: 0.000 min
Response: 67384063
Conc: 253.31 ppb m



#4 AR1016-C

R.T.: 3.413 min
Delta R.T.: 0.000 min
Response: 5358453380
Conc: 263.84 ppb

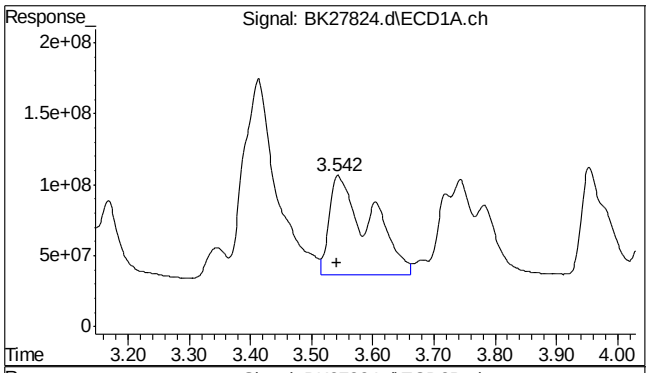


#4 AR1016-C

R.T.: 3.528 min
Delta R.T.: 0.000 min
Response: 129301433
Conc: 253.69 ppb m

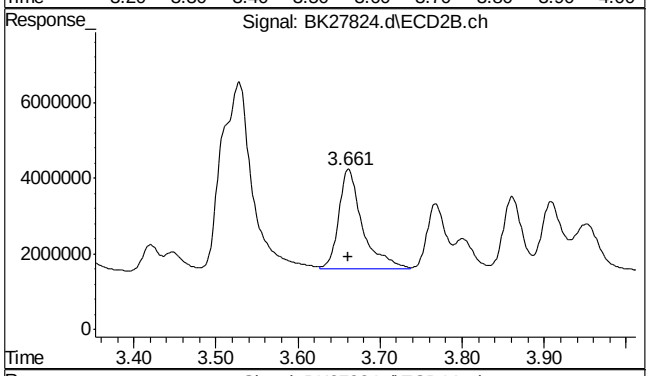
9.6.18

6



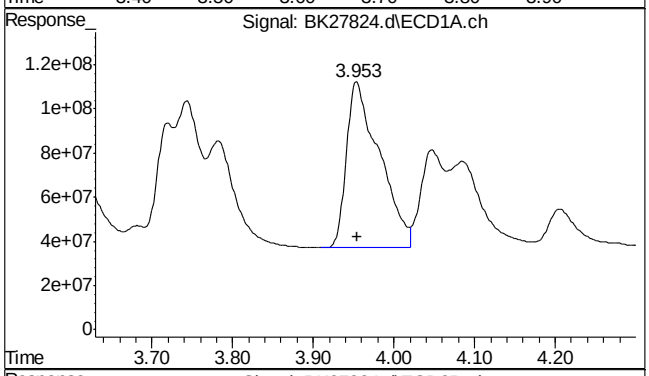
#5 AR1016-D

R.T.: 3.542 min
Delta R.T.: 0.000 min
Response: 3243431272
Conc: 261.06 m



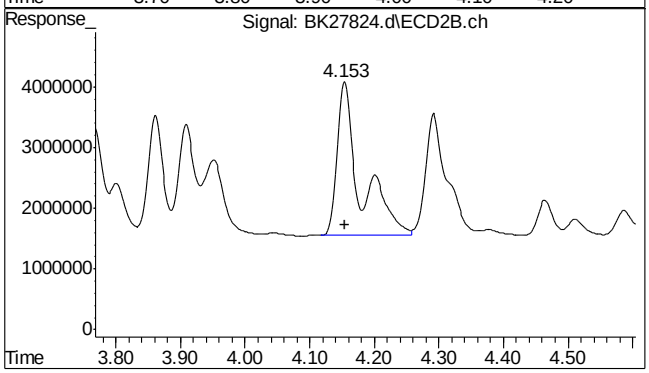
#5 AR1016-D

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 51910729
Conc: 252.63 m



#6 AR1016-E

R.T.: 3.953 min
Delta R.T.: 0.000 min
Response: 2147272501
Conc: 256.97 m

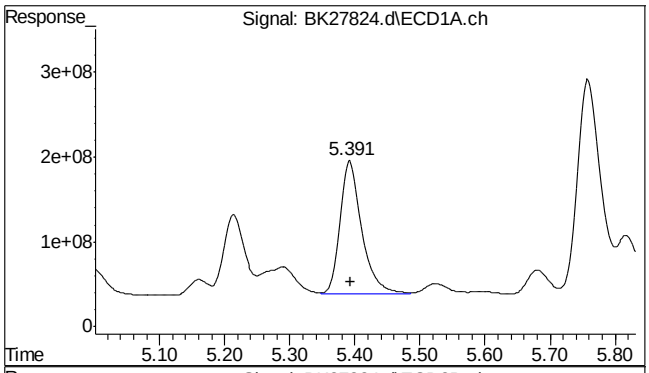


#6 AR1016-E

R.T.: 4.153 min
Delta R.T.: 0.000 min
Response: 62347215
Conc: 251.61 m

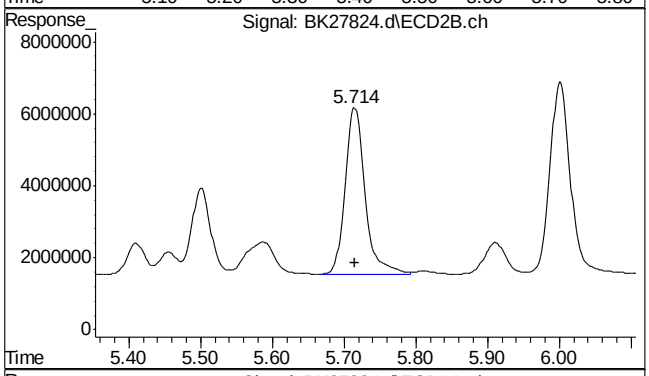
9.6.18

6



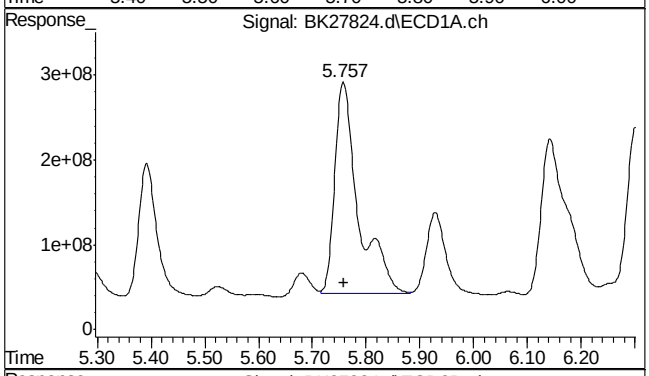
#7 AR1260-A

R.T.: 5.391 min
Delta R.T.: -0.002 min
Response: 3662717384
Conc: 249.23 ppb m



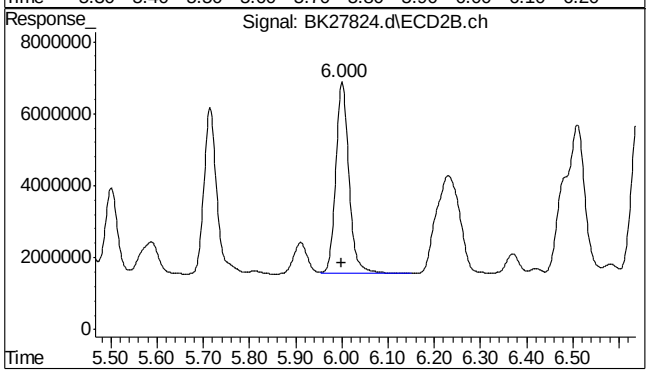
#7 AR1260-A

R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 88810183
Conc: 249.42 ppb m



#8 AR1260-B

R.T.: 5.757 min
Delta R.T.: 0.000 min
Response: 7629462237
Conc: 249.03 ppb m

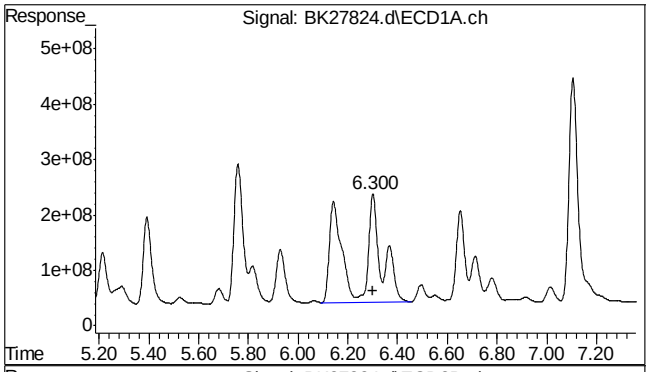


#8 AR1260-B

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 105859252
Conc: 255.96 ppb m

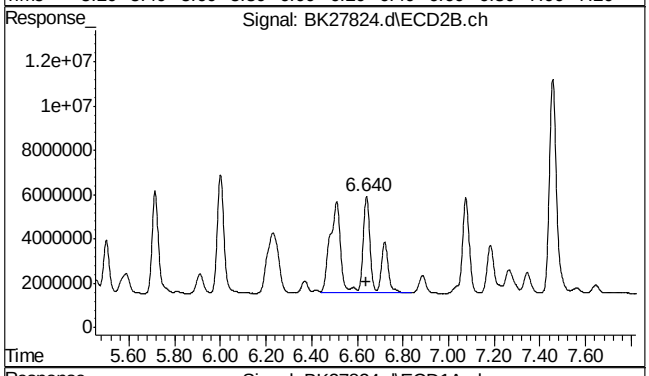
9.6.18

6



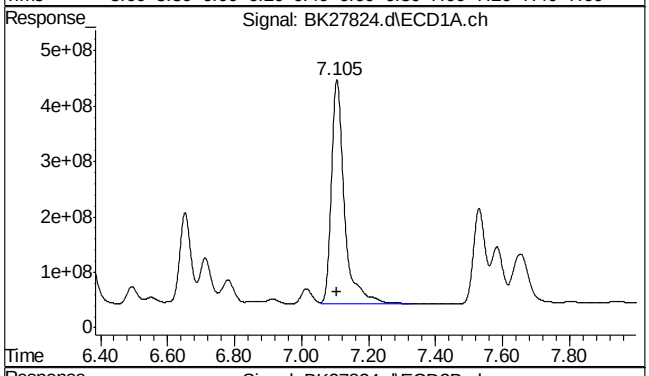
#9 AR1260-C

R.T.: 6.300 min
Delta R.T.: 0.000 min
Response: 13464751983
Conc: 261.01 ppb m



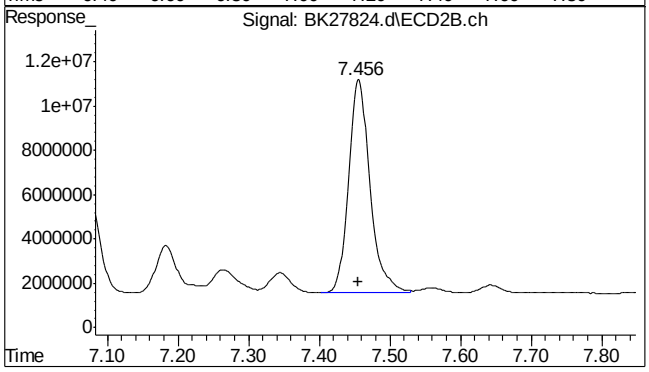
#9 AR1260-C

R.T.: 6.640 min
Delta R.T.: -0.001 min
Response: 268955631
Conc: 249.63 ppb m



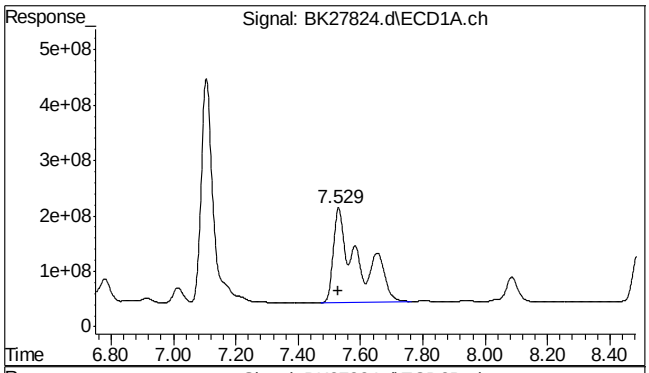
#10 AR1260-D

R.T.: 7.105 min
Delta R.T.: -0.001 min
Response: 10834932777
Conc: 256.49 ppb m



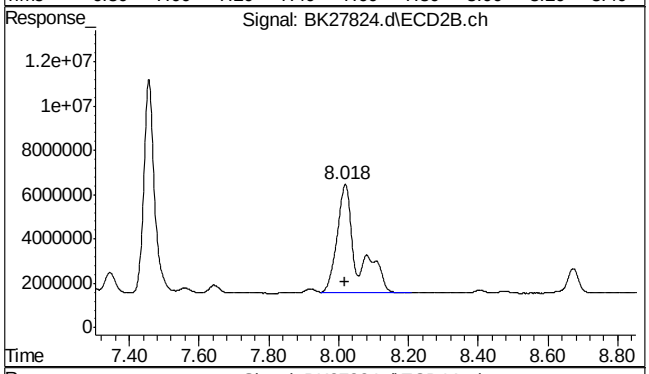
#10 AR1260-D

R.T.: 7.456 min
Delta R.T.: 0.000 min
Response: 202010026
Conc: 246.10 ppb m



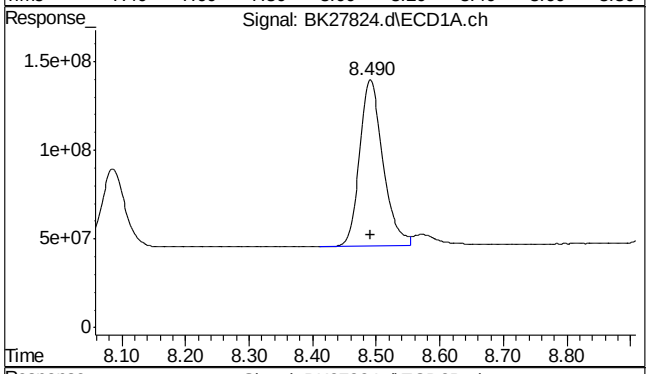
#11 AR1260-E

R.T.: 7.529 min
Delta R.T.: 0.000 min
Response: 9483166955
Conc: 249.93 ppb m



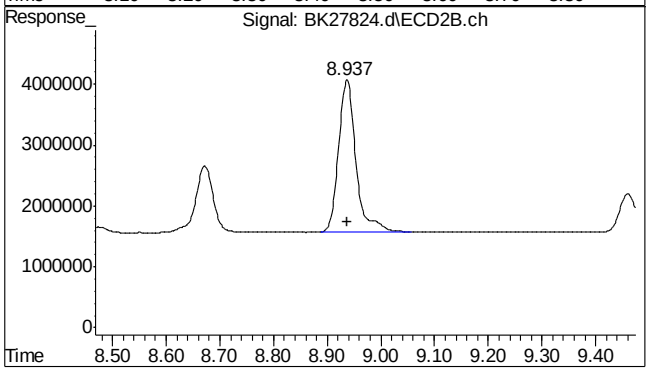
#11 AR1260-E

R.T.: 8.018 min
Delta R.T.: 0.000 min
Response: 196777510
Conc: 247.37 ppb m



#12 AR1260-F

R.T.: 8.491 min
Delta R.T.: 0.000 min
Response: 2389110198
Conc: 256.65

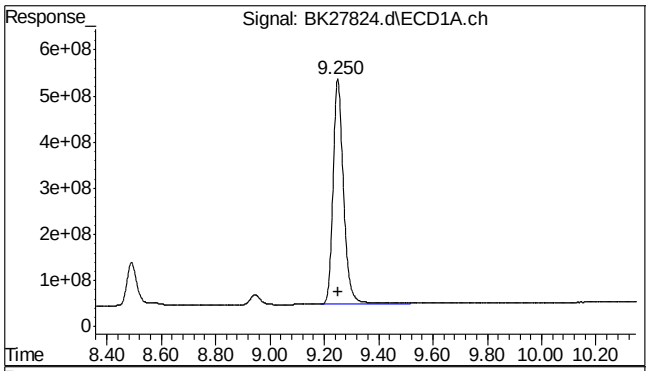


#12 AR1260-F

R.T.: 8.937 min
Delta R.T.: 0.000 min
Response: 56632541
Conc: 248.78 m

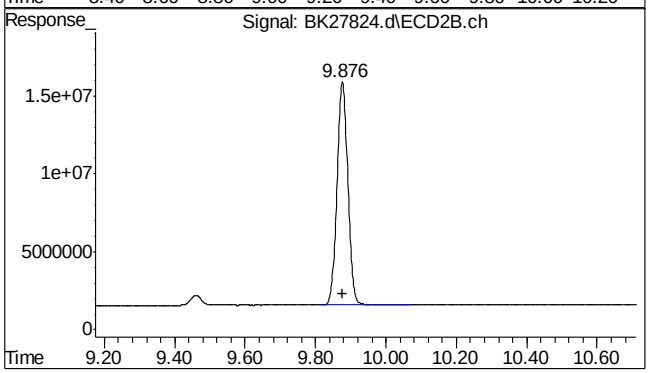
9.6.18

6



#13 DCB

R.T.: 9.250 min
Delta R.T.: 0.000 min
Response: 12951018932
Conc: 40.02 ppb m



#13 DCB

R.T.: 9.876 min
Delta R.T.: 0.000 min
Response: 308093396
Conc: 38.94 ppb m

9.6.18

6

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27825.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 9:45 am
Operator : nickk
Sample : ic949-100,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:05:56 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 10:48:30 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.399	2.368	3623.4E6	109.7E6	14.492m	14.752m
	Spiked Amount 40.000			Recovery	=	36.23%	36.88%
13) s	DCB	9.250	9.877	5093.3E6	120.6E6	15.736m	15.249m
	Spiked Amount 40.000			Recovery	=	39.34%	38.12%
	Target Compounds						
2)	AR1016-A	2.686	2.754	413.8E6	13125259	106.495m	103.130m
3)	AR1016-B	2.986	3.098	896.1E6	27260995	95.375m	102.521m
4)	AR1016-C	3.414	3.527	2042.6E6	48654744	99.915m	95.669m
5)	AR1016-D	3.545	3.661	1238.5E6	18973431	100.081m	93.188m
6)	AR1016-E	3.955	4.154	800.6E6	24668108	95.599m	99.777m
7)	AR1260-A	5.393	5.715	1455.2E6	35507218	99.490m	99.704m
8)	AR1260-B	5.760	6.001	2978.0E6	42478661	97.876m	102.744m
9)	AR1260-C	6.301	6.641	5200.0E6	106.2E6	100.938m	98.592m
10)	AR1260-D	7.106	7.456	4063.3E6	77333764	96.240m	94.240m
11)	AR1260-E	7.530	8.019	3650.0E6	77293471	96.287m	97.194m
12)	AR1260-F	8.490	8.936	894.9E6	22208688	96.136m	97.397m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9.6.19

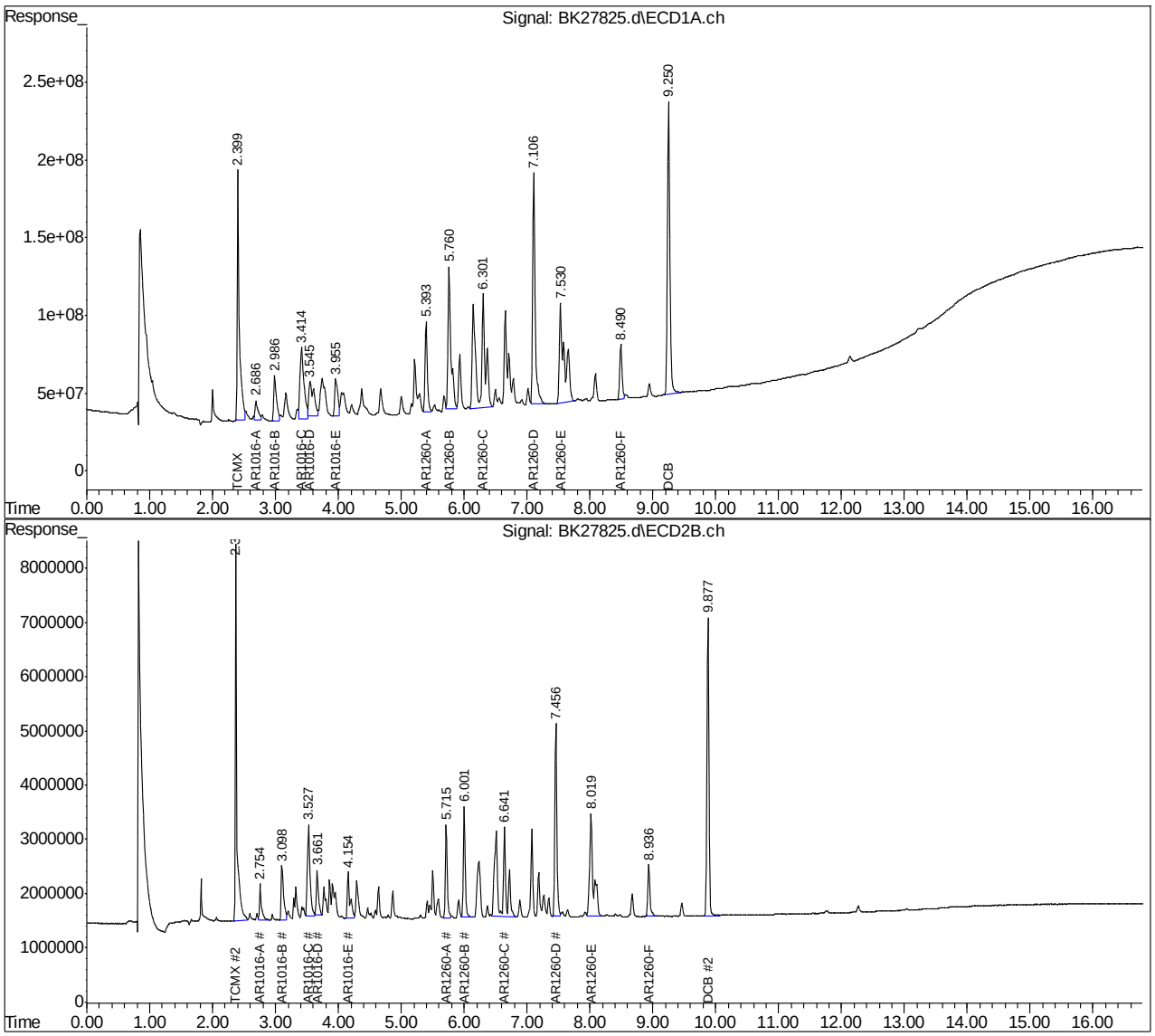
6

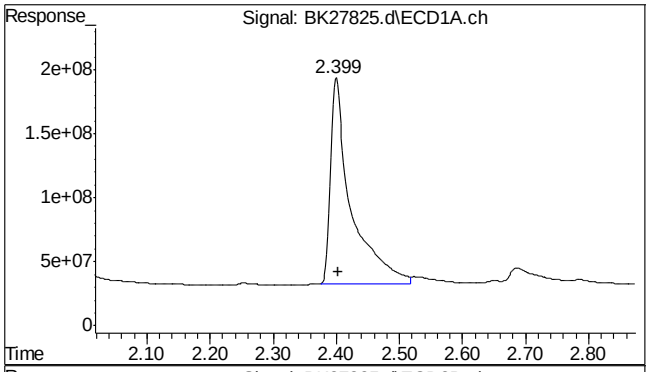
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27825.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 9:45 am
Operator : nickk
Sample : ic949-100,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:05:56 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 10:48:30 2013
Response via : Initial Calibration
Integrator: ChemStation

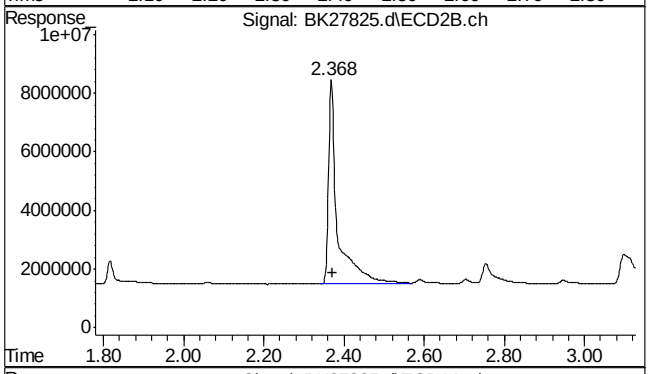
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





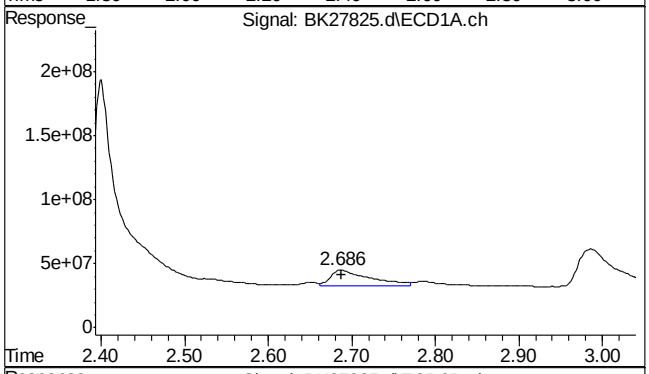
#1 TCMX

R.T.: 2.399 min
Delta R.T.: -0.004 min
Response: 3623397938
Conc: 14.49 ppb m



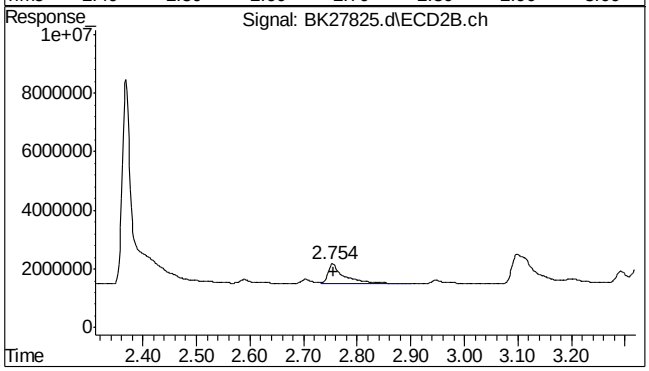
#1 TCMX

R.T.: 2.368 min
Delta R.T.: -0.003 min
Response: 109673393
Conc: 14.75 ppb m



#2 AR1016-A

R.T.: 2.686 min
Delta R.T.: -0.001 min
Response: 413757162
Conc: 106.50 ppb m

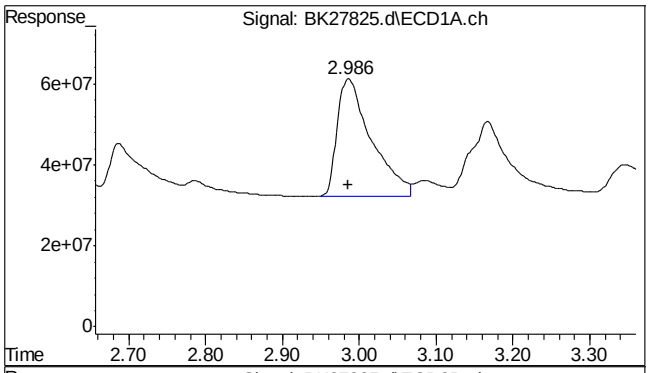


#2 AR1016-A

R.T.: 2.754 min
Delta R.T.: -0.002 min
Response: 13125259
Conc: 103.13 ppb m

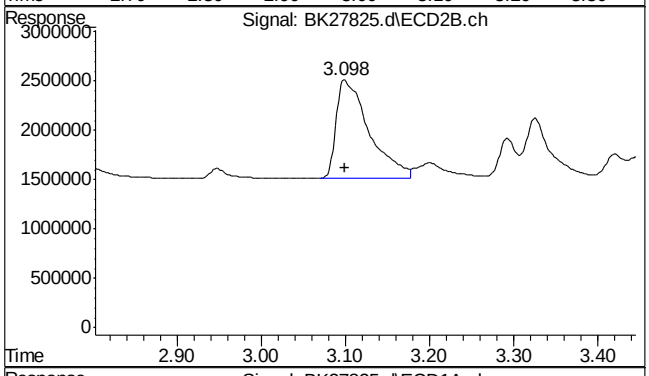
9.6.19

6



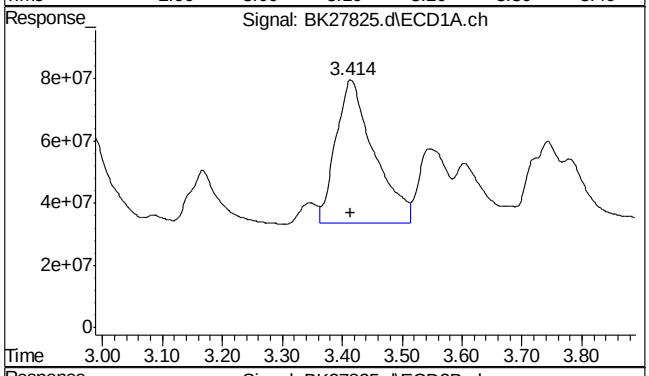
#3 AR1016-B

R.T.: 2.986 min
Delta R.T.: 0.000 min
Response: 896065342
Conc: 95.37 ppb m



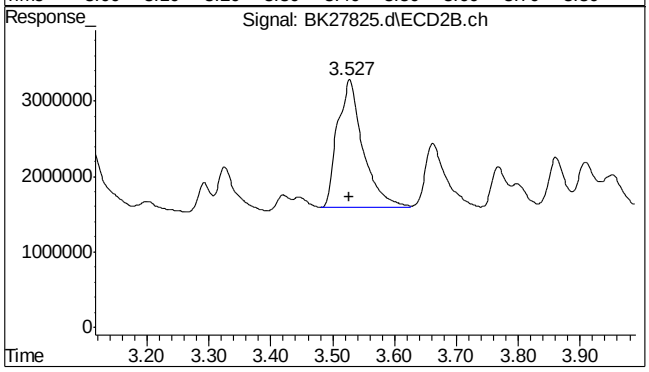
#3 AR1016-B

R.T.: 3.098 min
Delta R.T.: -0.001 min
Response: 27260995
Conc: 102.52 ppb m



#4 AR1016-C

R.T.: 3.414 min
Delta R.T.: 0.000 min
Response: 2042564270
Conc: 99.92 ppb m

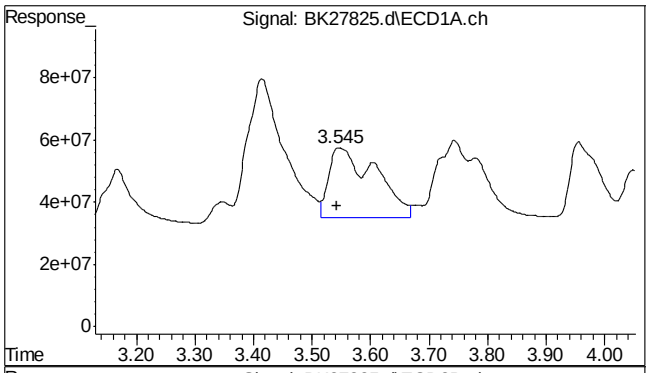


#4 AR1016-C

R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 48654744
Conc: 95.67 ppb m

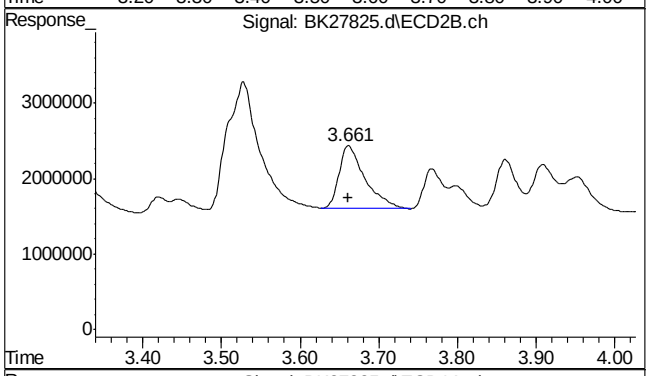
9.6.19

6



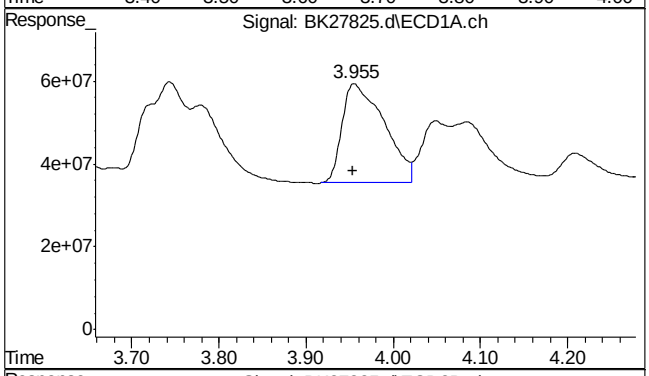
#5 AR1016-D

R.T.: 3.545 min
Delta R.T.: 0.003 min
Response: 1238508707
Conc: 100.08 m



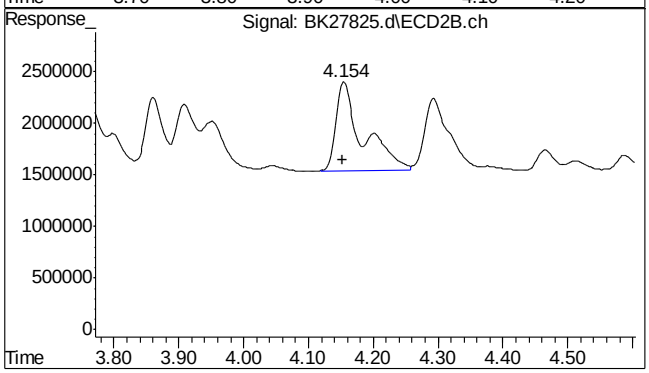
#5 AR1016-D

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 18973431
Conc: 93.19 m



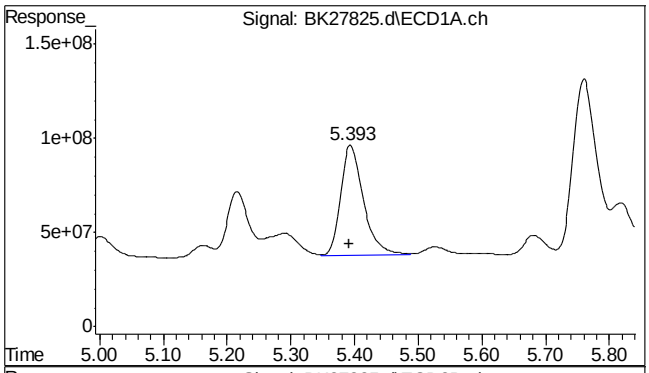
#6 AR1016-E

R.T.: 3.955 min
Delta R.T.: 0.001 min
Response: 800582619
Conc: 95.60 m



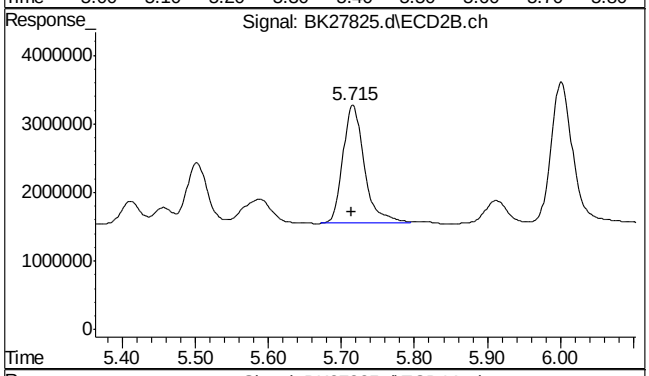
#6 AR1016-E

R.T.: 4.154 min
Delta R.T.: 0.000 min
Response: 24668108
Conc: 99.78 m



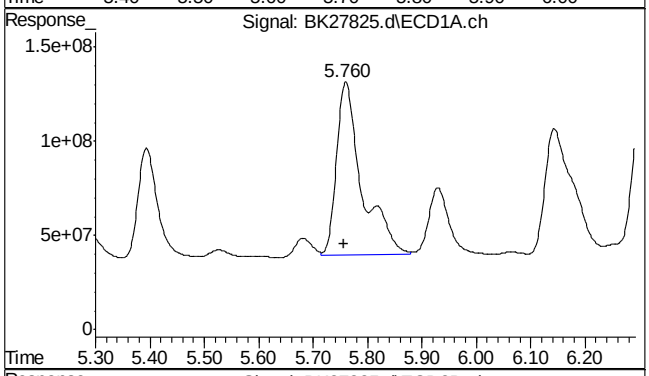
#7 AR1260-A

R.T.: 5.393 min
Delta R.T.: 0.002 min
Response: 1455153983
Conc: 99.49 ppb m



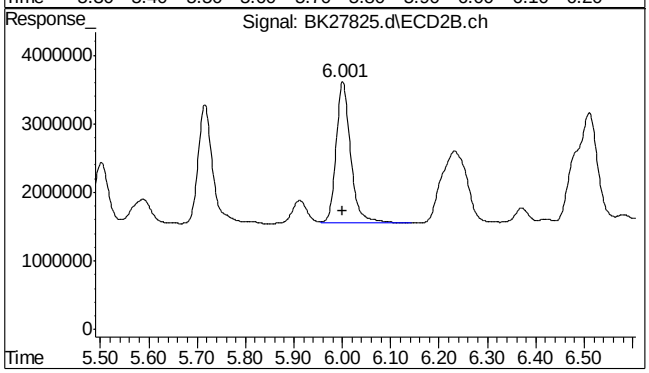
#7 AR1260-A

R.T.: 5.715 min
Delta R.T.: 0.001 min
Response: 35507218
Conc: 99.70 ppb m



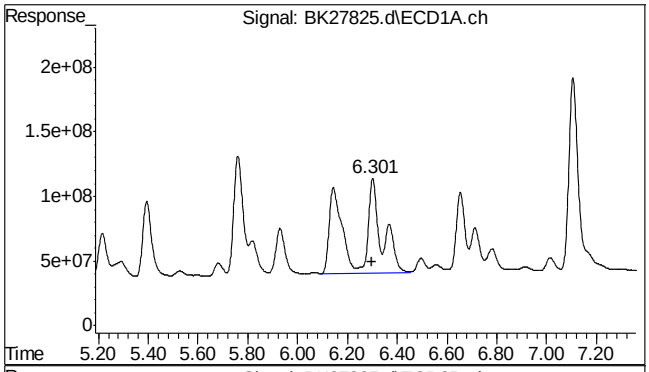
#8 AR1260-B

R.T.: 5.760 min
Delta R.T.: 0.002 min
Response: 2977966485
Conc: 97.88 ppb m



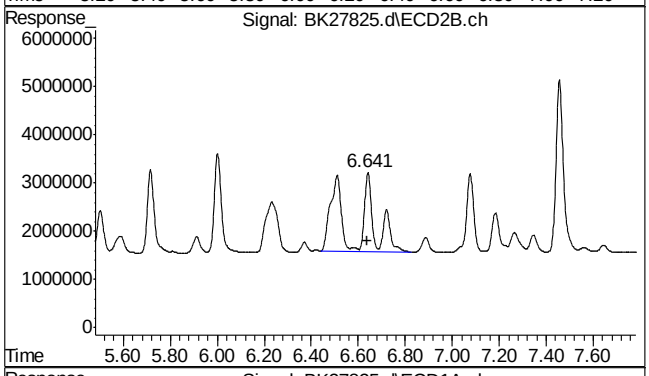
#8 AR1260-B

R.T.: 6.001 min
Delta R.T.: 0.000 min
Response: 42478661
Conc: 102.74 ppb m



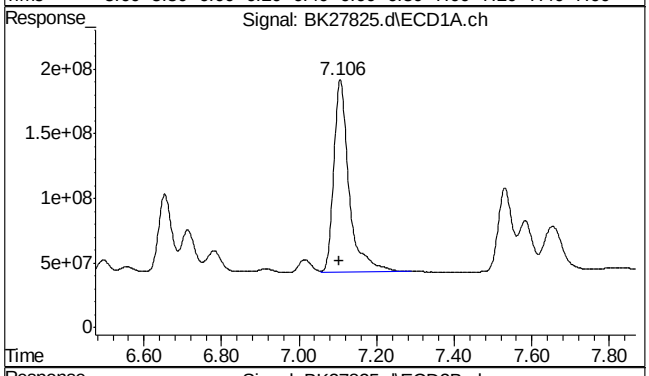
#9 AR1260-C

R.T.: 6.301 min
Delta R.T.: 0.000 min
Response: 5200008374
Conc: 100.94 ppb m



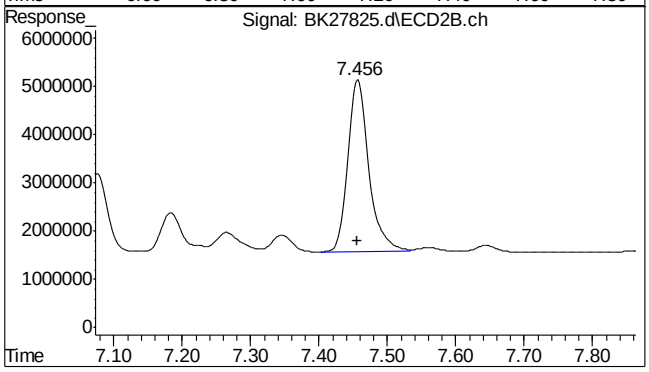
#9 AR1260-C

R.T.: 6.641 min
Delta R.T.: 0.001 min
Response: 106190240
Conc: 98.59 ppb m



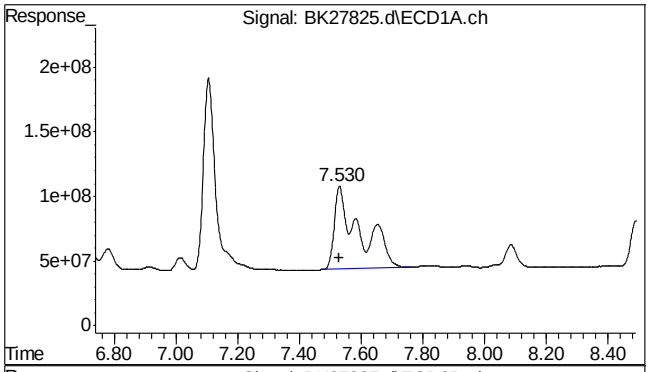
#10 AR1260-D

R.T.: 7.106 min
Delta R.T.: 0.000 min
Response: 4063302226
Conc: 96.24 ppb m



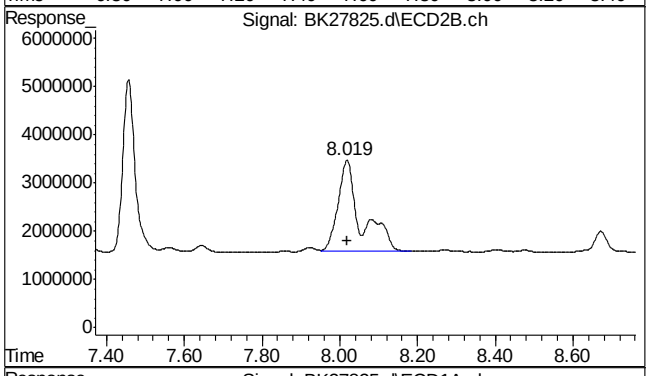
#10 AR1260-D

R.T.: 7.456 min
Delta R.T.: 0.000 min
Response: 77333764
Conc: 94.24 ppb m



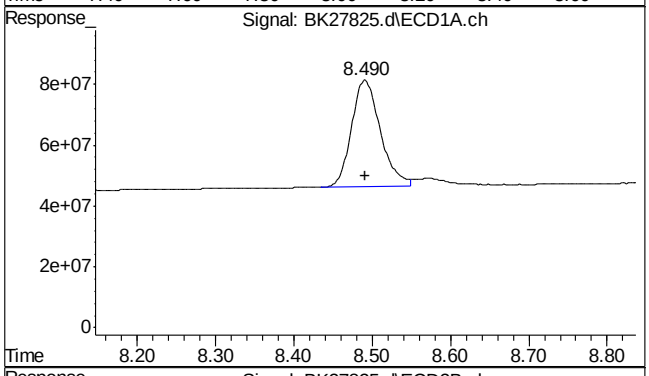
#11 AR1260-E

R.T.: 7.530 min
Delta R.T.: 0.000 min
Response: 3649957812
Conc: 96.29 ppb m



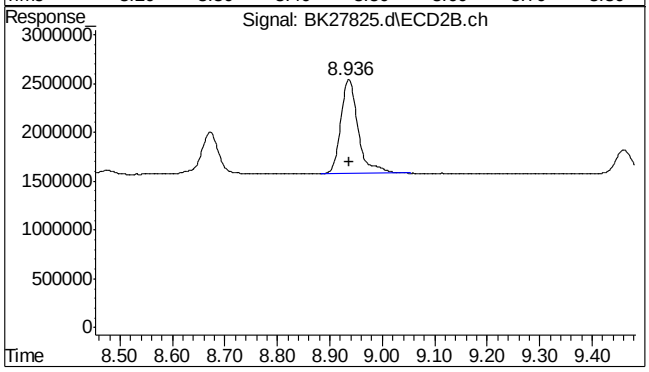
#11 AR1260-E

R.T.: 8.019 min
Delta R.T.: 0.000 min
Response: 77293471
Conc: 97.19 ppb m



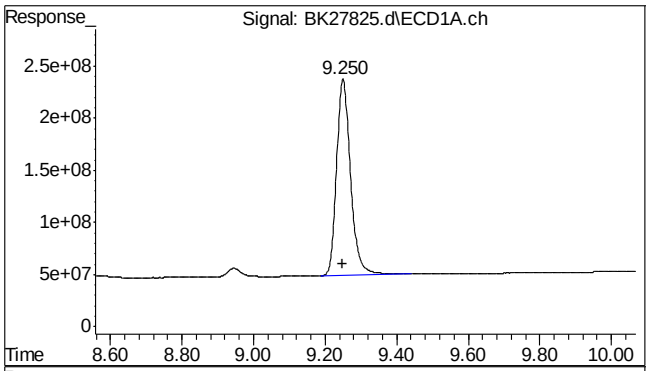
#12 AR1260-F

R.T.: 8.490 min
Delta R.T.: 0.000 min
Response: 894917777
Conc: 96.14 m



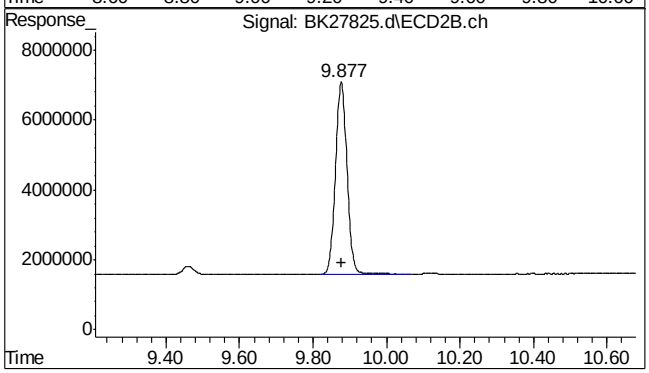
#12 AR1260-F

R.T.: 8.936 min
Delta R.T.: -0.001 min
Response: 22208688
Conc: 97.40 m



#13 DCB

R.T.: 9.250 min
Delta R.T.: 0.000 min
Response: 5093280990
Conc: 15.74 ppb m



#13 DCB

R.T.: 9.877 min
Delta R.T.: 0.000 min
Response: 120574851
Conc: 15.25 ppb m

9.6.19

6

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27826.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 10:04 am
Operator : nickk
Sample : ic949-50,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:05:12 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 10:52:35 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.402	2.371	2280.8E6	67797147	8.964m	9.154m
	Spiked Amount 40.000			Recovery =		22.41%	22.88%
13) s	DCB	9.249	9.877	3388.8E6	80235670	10.291m	10.127m
	Spiked Amount 40.000			Recovery =		25.73%	25.32%
	Target Compounds						
2)	AR1016-A	2.718	2.756	196.4E6	6715603	49.567m	53.049m
3)	AR1016-B	2.986	3.100	496.9E6	14980009	52.080m	56.386m
4)	AR1016-C	3.414	3.528	1021.0E6	27989043	48.394m	54.483m
5)	AR1016-D	3.544	3.661	600.6E6	11401350	47.159m	55.883m
6)	AR1016-E	3.954	4.154	464.9E6	13588468	54.797m	54.593m
7)	AR1260-A	5.392	5.715	809.2E6	20505909	53.687m	57.323m
8)	AR1260-B	5.758	6.000	1665.1E6	23218221	53.758m	54.861m
9)	AR1260-C	6.301	6.640	2827.1E6	57350127	52.225m	52.637m
10)	AR1260-D	7.105	7.456	2170.5E6	42359246	50.486m	51.181m
11)	AR1260-E	7.530	8.019	2046.2E6	43010928	52.909m	53.666m
12)	AR1260-F	8.490	8.937	472.6E6	12018438	49.854m	52.255m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

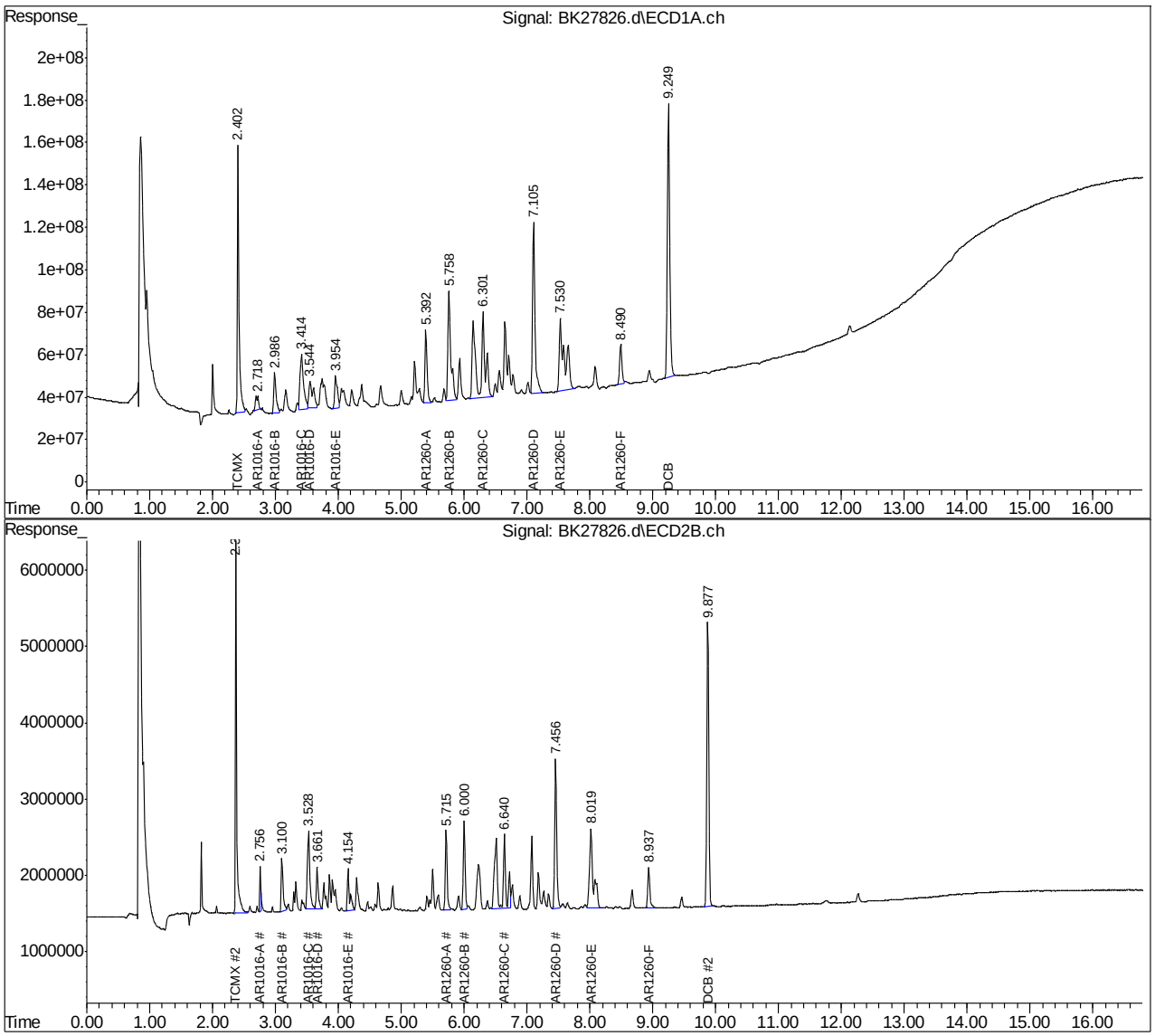
9.6.20
9

Quantitation Report (QT Reviewed)

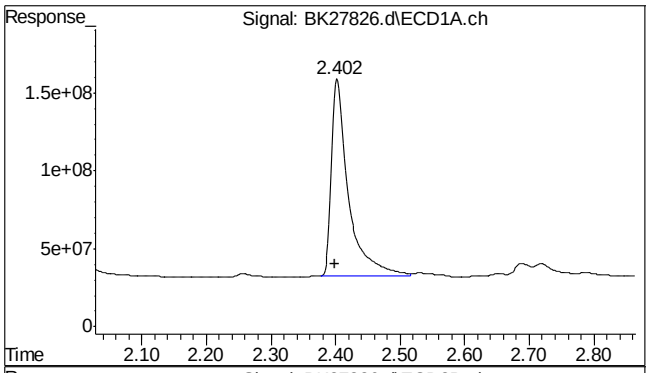
Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27826.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 10:04 am
Operator : nickk
Sample : ic949-50,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:05:12 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 10:52:35 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

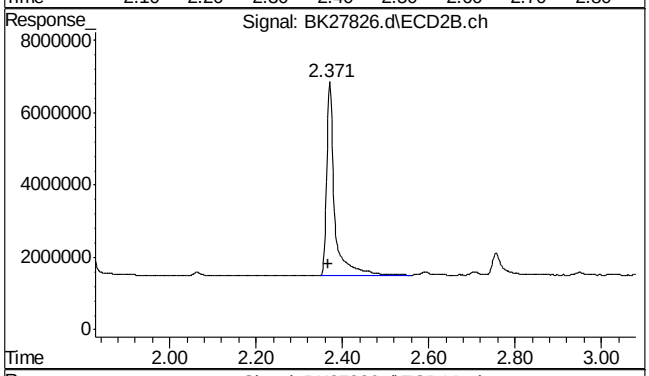


ACCUTEST LABORATORIES MC23456



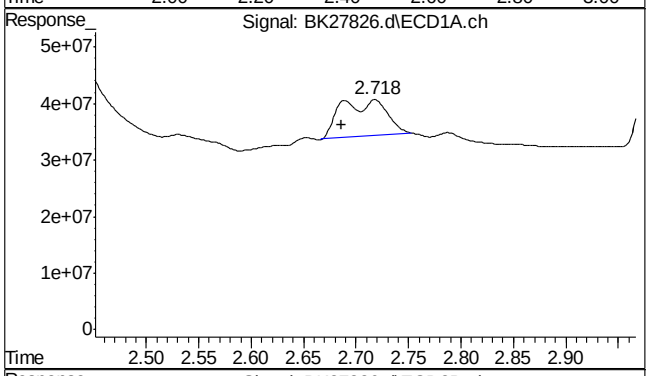
#1 TCMX

R.T.: 2.402 min
Delta R.T.: 0.003 min
Response: 2280816899
Conc: 8.96 ppb m



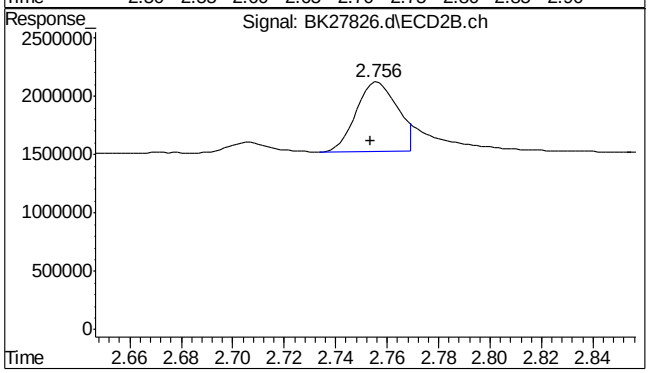
#1 TCMX

R.T.: 2.371 min
Delta R.T.: 0.003 min
Response: 67797147
Conc: 9.15 ppb m



#2 AR1016-A

R.T.: 2.718 min
Delta R.T.: 0.032 min
Response: 196429593
Conc: 49.57 ppb m

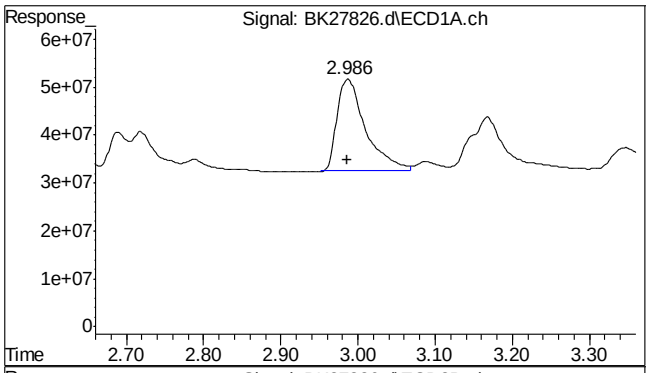


#2 AR1016-A

R.T.: 2.756 min
Delta R.T.: 0.002 min
Response: 6715603
Conc: 53.05 ppb m

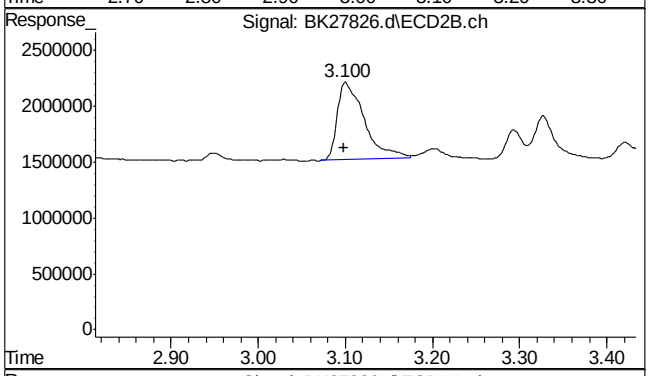
9.6.20

9



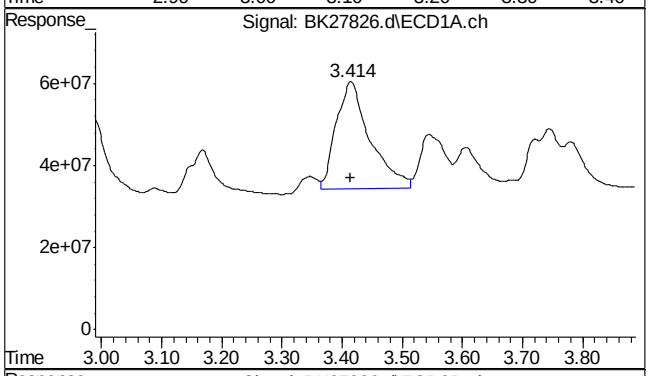
#3 AR1016-B

R.T.: 2.986 min
Delta R.T.: 0.000 min
Response: 496920083
Conc: 52.08 ppb m



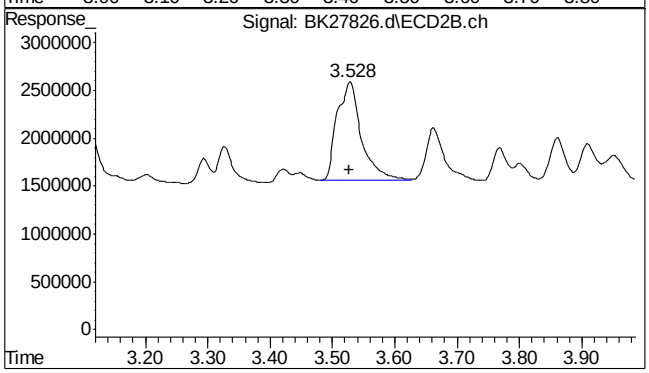
#3 AR1016-B

R.T.: 3.100 min
Delta R.T.: 0.001 min
Response: 14980009
Conc: 56.39 ppb m



#4 AR1016-C

R.T.: 3.414 min
Delta R.T.: 0.000 min
Response: 1021033791
Conc: 48.39 ppb m

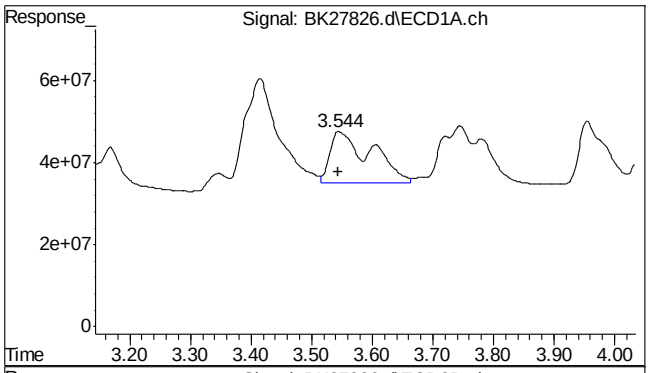


#4 AR1016-C

R.T.: 3.528 min
Delta R.T.: 0.000 min
Response: 27989043
Conc: 54.48 ppb m

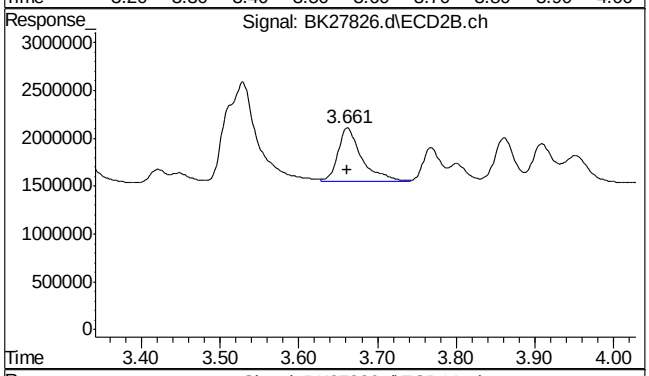
9.6.20

9



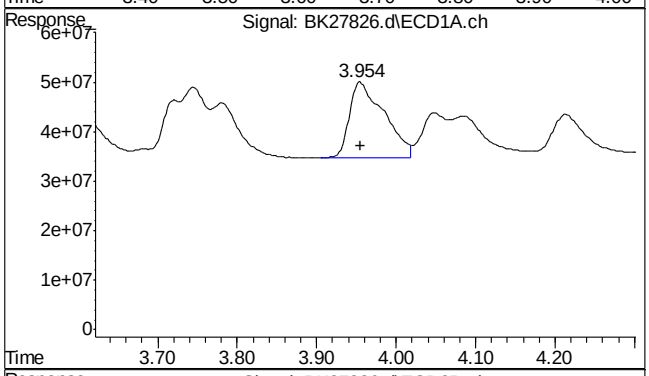
#5 AR1016-D

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 600648753
Conc: 47.16 m



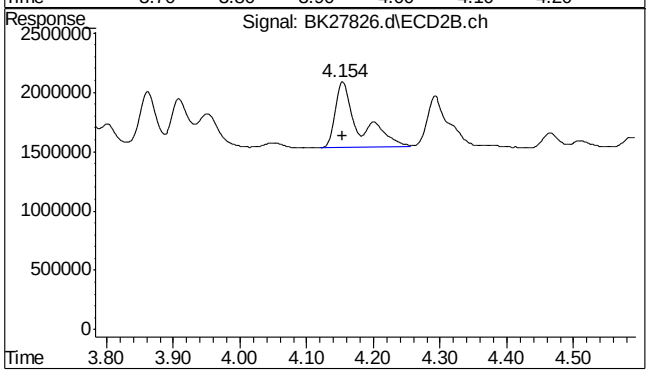
#5 AR1016-D

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 11401350
Conc: 55.88 m



#6 AR1016-E

R.T.: 3.954 min
Delta R.T.: 0.000 min
Response: 464929824
Conc: 54.80 m



#6 AR1016-E

R.T.: 4.154 min
Delta R.T.: 0.000 min
Response: 13588468
Conc: 54.59 m

9.6.20

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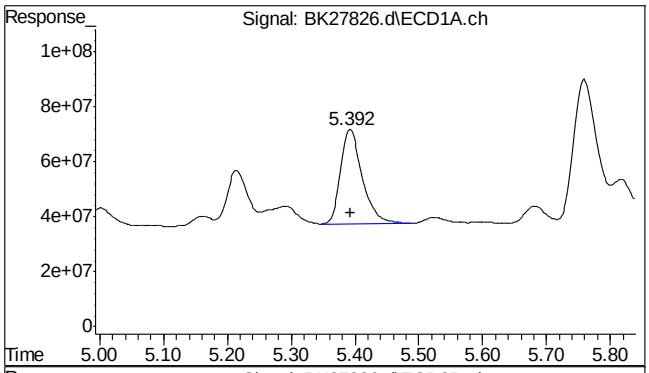
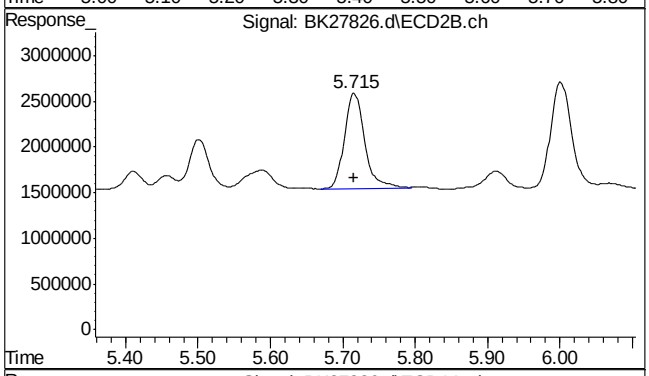


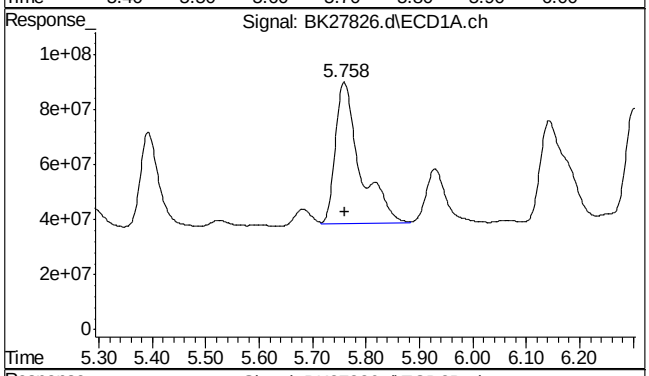
#7 AR1260-A

R.T.: 5.392 min
Delta R.T.: -0.001 min
Response: 809174351
Conc: 53.69 ppb m



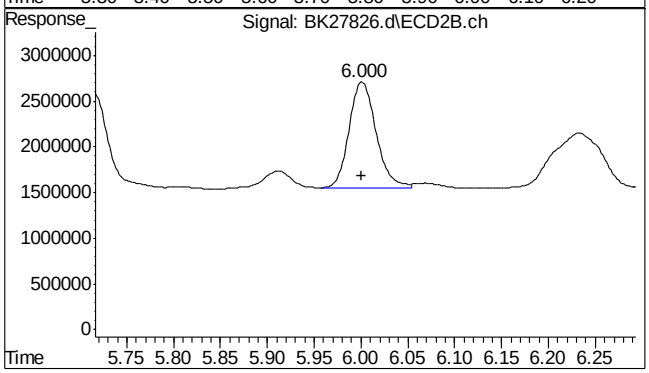
#7 AR1260-A

R.T.: 5.715 min
Delta R.T.: 0.000 min
Response: 20505909
Conc: 57.32 ppb m



#8 AR1260-B

R.T.: 5.758 min
Delta R.T.: -0.001 min
Response: 1665077998
Conc: 53.76 ppb m



#8 AR1260-B

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 23218221
Conc: 54.86 ppb m

9.6.20

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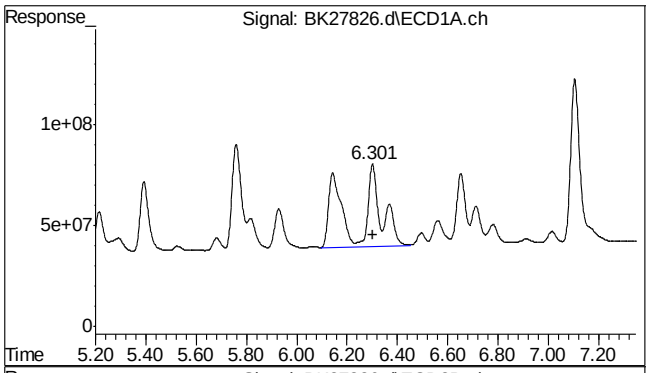
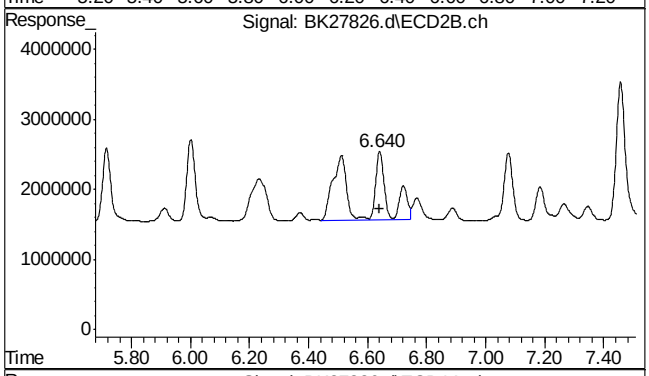


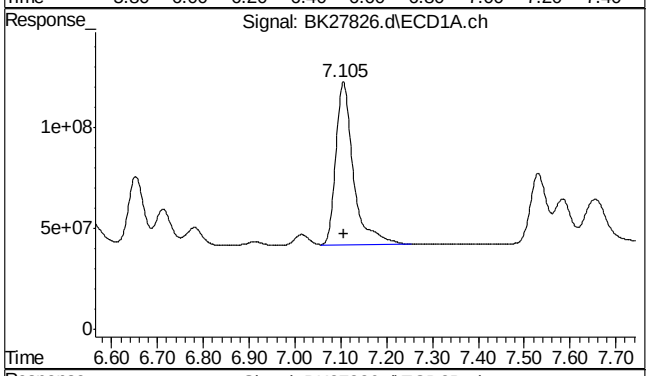
#9 AR1260-C

R.T.: 6.301 min
Delta R.T.: 0.000 min
Response: 2827067670
Conc: 52.22 ppb m



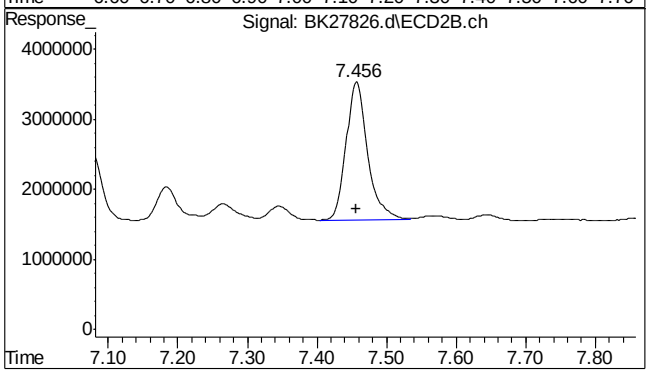
#9 AR1260-C

R.T.: 6.640 min
Delta R.T.: 0.000 min
Response: 57350127
Conc: 52.64 ppb m



#10 AR1260-D

R.T.: 7.105 min
Delta R.T.: 0.000 min
Response: 2170451908
Conc: 50.49 ppb m



#10 AR1260-D

R.T.: 7.456 min
Delta R.T.: 0.000 min
Response: 42359246
Conc: 51.18 ppb m

9.6.20

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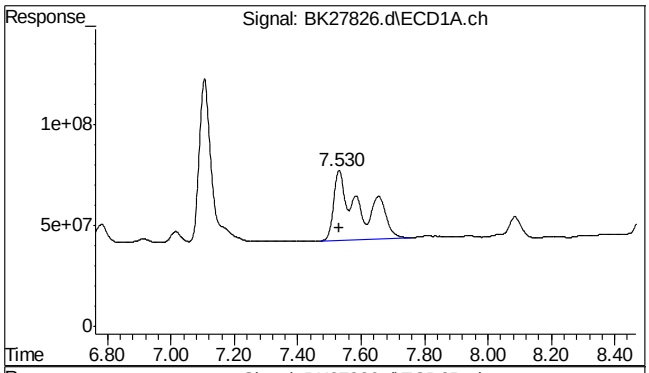
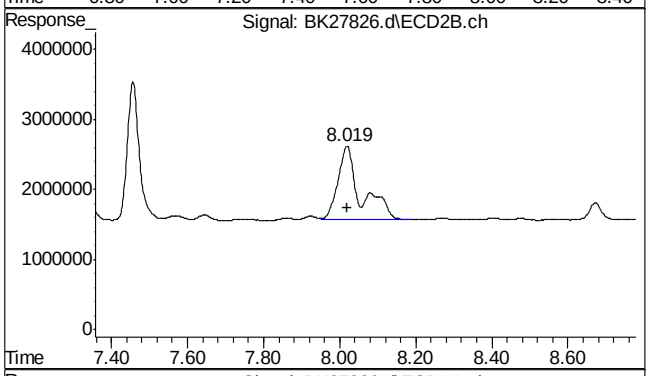


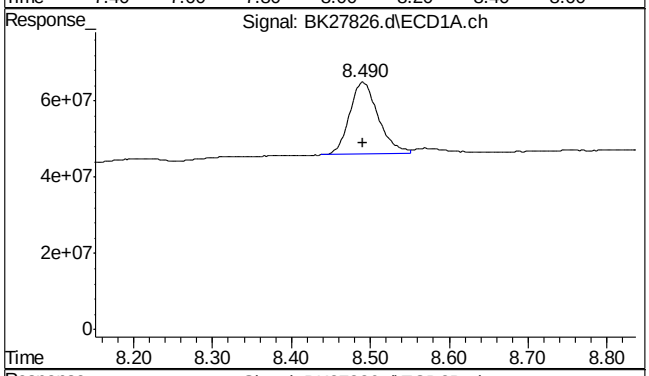
#11 AR1260-E

R.T.: 7.530 min
Delta R.T.: 0.000 min
Response: 2046196544
Conc: 52.91 ppb m



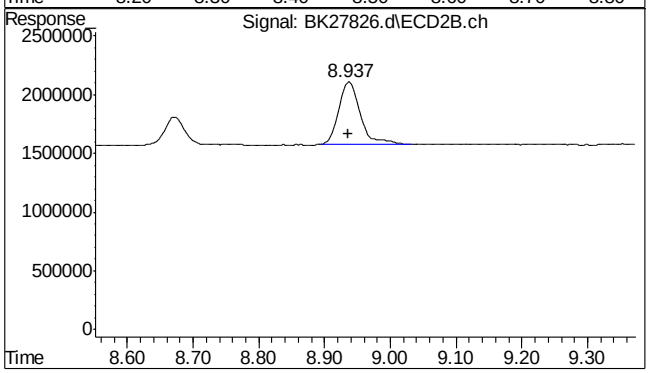
#11 AR1260-E

R.T.: 8.019 min
Delta R.T.: 0.000 min
Response: 43010928
Conc: 53.67 ppb m



#12 AR1260-F

R.T.: 8.490 min
Delta R.T.: 0.000 min
Response: 472632234
Conc: 49.85 m



#12 AR1260-F

R.T.: 8.937 min
Delta R.T.: 0.000 min
Response: 12018438
Conc: 52.25 m

9.6.20

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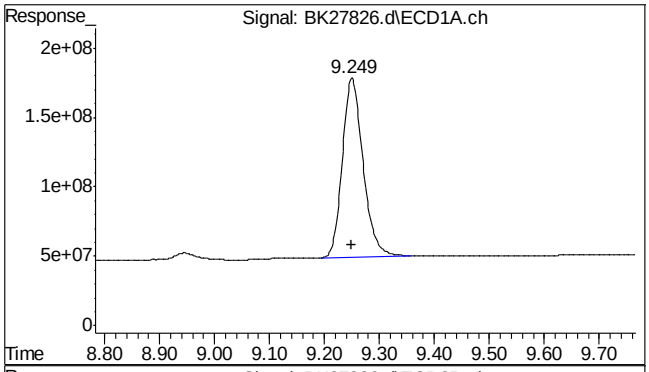
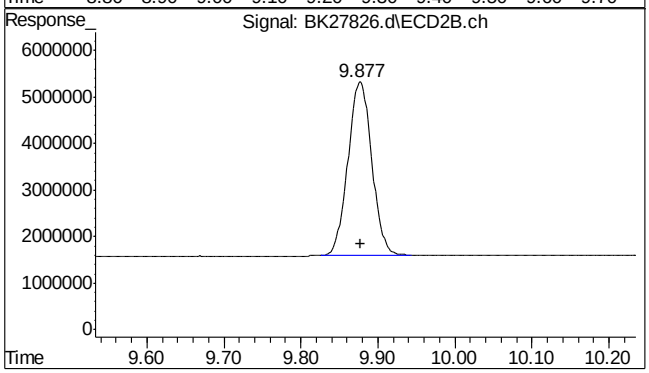


#13 DCB

R.T.: 9.249 min
Delta R.T.: 0.000 min
Response: 3388784968
Conc: 10.29 ppb m



#13 DCB

R.T.: 9.877 min
Delta R.T.: 0.000 min
Response: 80235670
Conc: 10.13 ppb m

9.6.20

9

BK27827.D

Manual Integrations APPROVED (compounds with "m" flag)

Andri Piluri 08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27827.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 10:23 am
Operator : nickk
Sample : ic949-500,a21/54
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:11:42 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:08:46 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.403	2.371	10851.7E6	314.3E6	41.900m	42.151m
	Spiked Amount 40.000			Recovery =		104.75%	105.38%
13) s	DCB	9.248	9.876	11084.0E6	265.0E6	32.665m	32.561
	Spiked Amount 40.000			Recovery =		81.66%	81.40%
	Target Compounds						
14)	AR1221-A	2.005	2.037	1320.6E6	23518835	612.610m	512.787m
15)	AR1221-B	2.534	2.592	1216.4E6	36376741	520.830m	505.635m
16)	AR1221-C	2.687	2.756	3800.6E6	88121431	545.600	488.794m
32)	AR1254-A	4.369	4.635	9519.4E6	195.4E6	540.640m	606.991m
33)	AR1254-B	4.667	4.862	12872.1E6	272.7E6	494.467m	486.865m
34)	AR1254-C	5.158	5.455	18757.4E6	463.1E6	534.549m	490.243m
35)	AR1254-D	5.520	5.758	6784.4E6	263.4E6	555.641m	488.242m
36)	AR1254-E	6.142	6.511	10191.8E6	226.3E6	570.872m	480.454m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9.6.21

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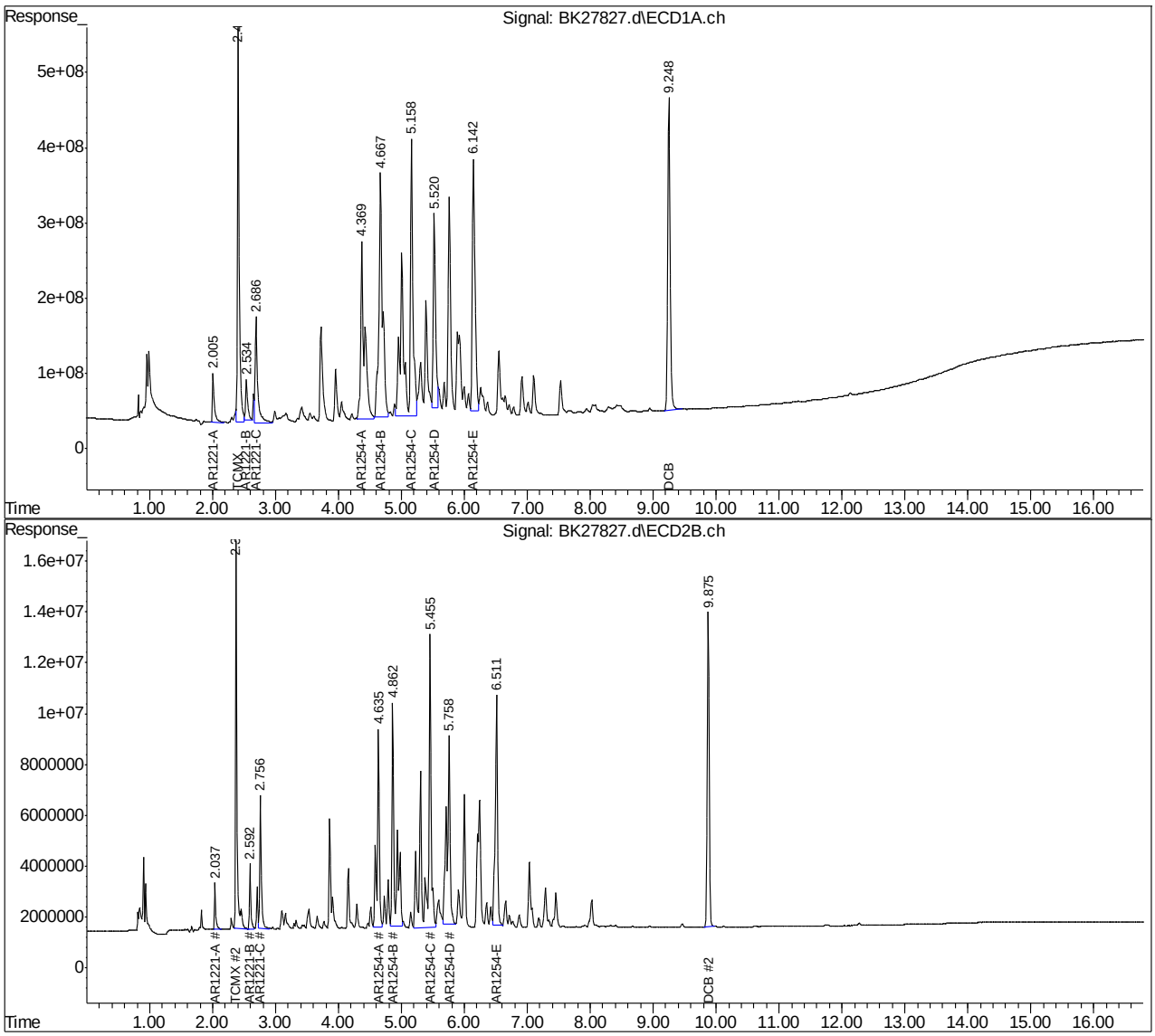
Quantitation Report (QT Reviewed)

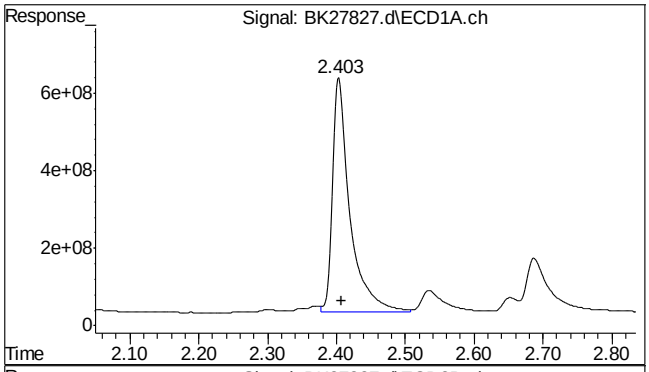
Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27827.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 10:23 am
Operator : nickk
Sample : ic949-500,a21/54
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:11:42 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:08:46 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

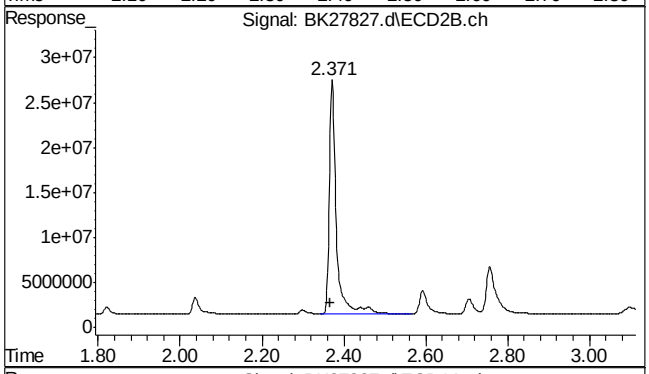


ACCUTEST LABORATORIES MC23456



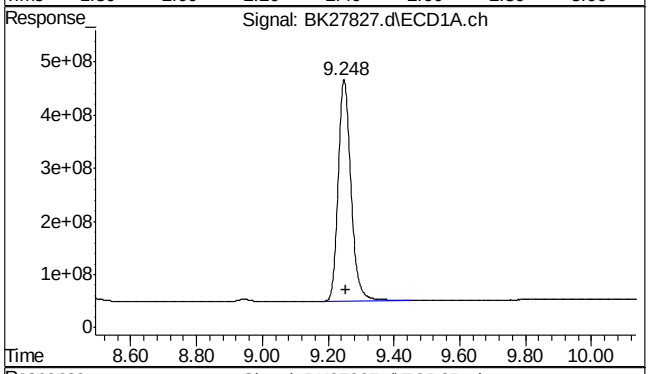
#1 TCMX

R.T.: 2.403 min
Delta R.T.: -0.005 min
Response: 10851681659
Conc: 41.90 ppb m



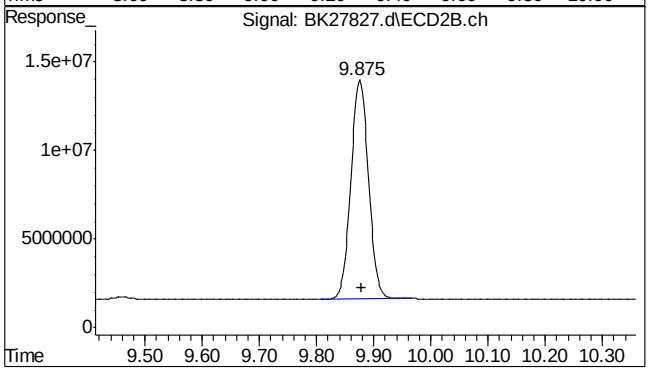
#1 TCMX

R.T.: 2.371 min
Delta R.T.: 0.003 min
Response: 314283440
Conc: 42.15 ppb m



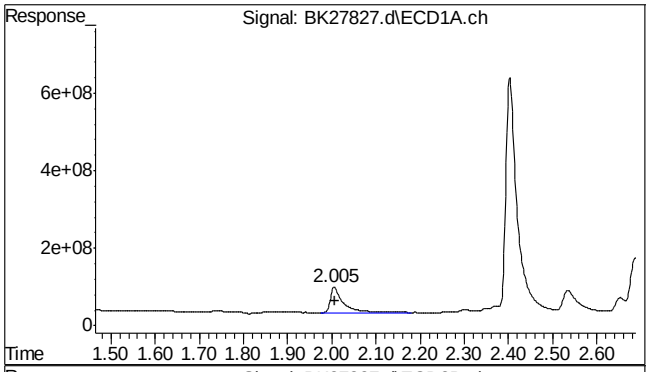
#13 DCB

R.T.: 9.248 min
Delta R.T.: -0.007 min
Response: 11083981867
Conc: 32.66 ppb m



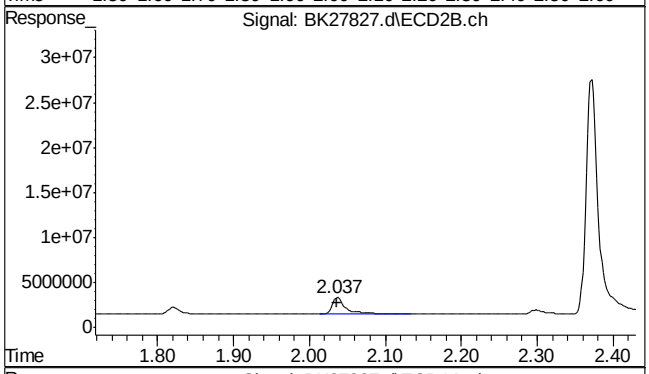
#13 DCB

R.T.: 9.876 min
Delta R.T.: -0.002 min
Response: 264992432
Conc: 32.56 ppb



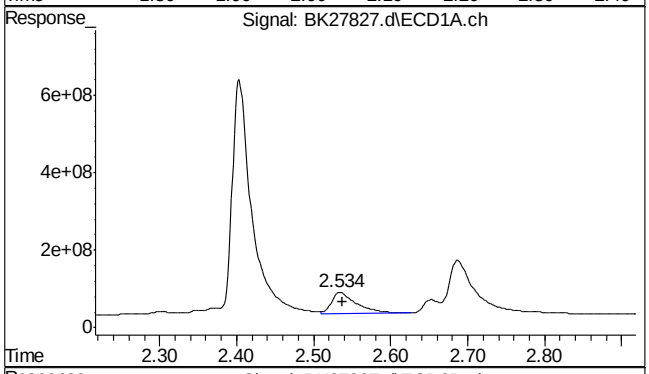
#14 AR1221-A

R.T.: 2.005 min
Delta R.T.: -0.001 min
Response: 1320567934
Conc: 612.61 ppb m



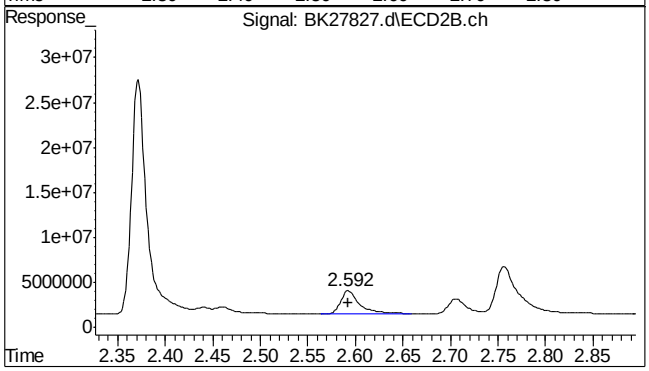
#14 AR1221-A

R.T.: 2.037 min
Delta R.T.: 0.000 min
Response: 23518835
Conc: 512.79 ppb m



#15 AR1221-B

R.T.: 2.534 min
Delta R.T.: -0.003 min
Response: 1216360613
Conc: 520.83 ppb m



#15 AR1221-B

R.T.: 2.592 min
Delta R.T.: 0.000 min
Response: 36376741
Conc: 505.63 ppb m

9.6.21

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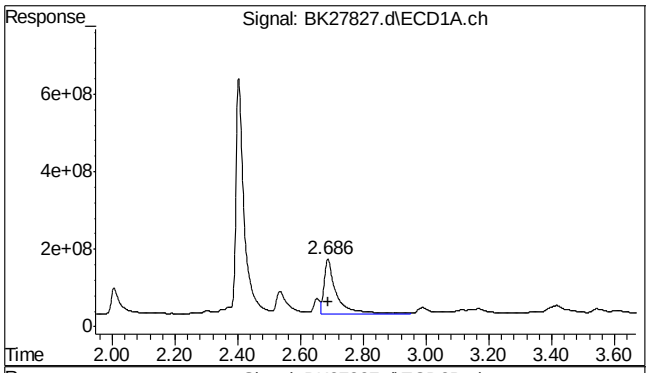
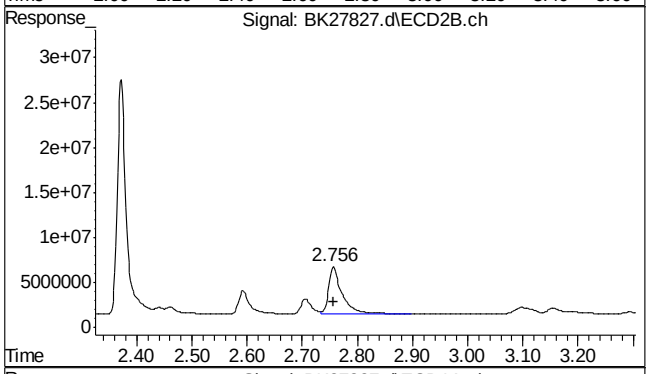
ACCUTEST LABORATORIES
MC23456



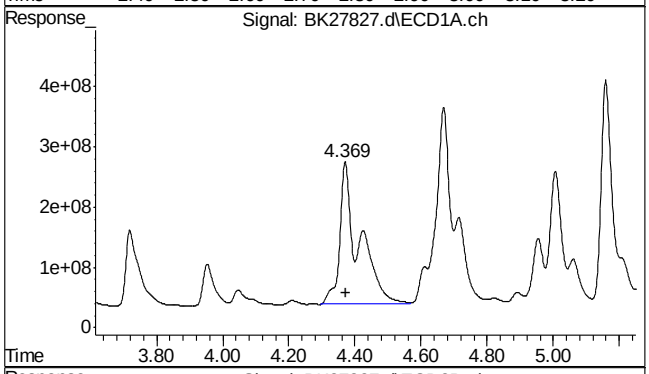
#16 AR1221-C

R.T.: 2.687 min
Delta R.T.: -0.002 min
Response: 3800594666
Conc: 545.60 ppb



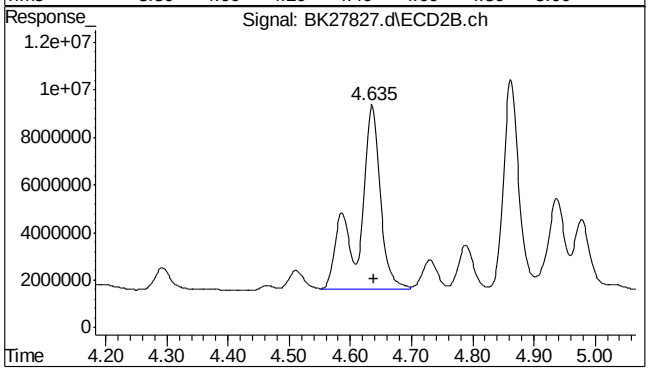
#16 AR1221-C

R.T.: 2.756 min
Delta R.T.: -0.001 min
Response: 88121431
Conc: 488.79 ppb m



#32 AR1254-A

R.T.: 4.369 min
Delta R.T.: -0.005 min
Response: 9519404022
Conc: 540.64 ppb m



#32 AR1254-A

R.T.: 4.635 min
Delta R.T.: -0.003 min
Response: 195382859
Conc: 606.99 ppb m

9.6.21
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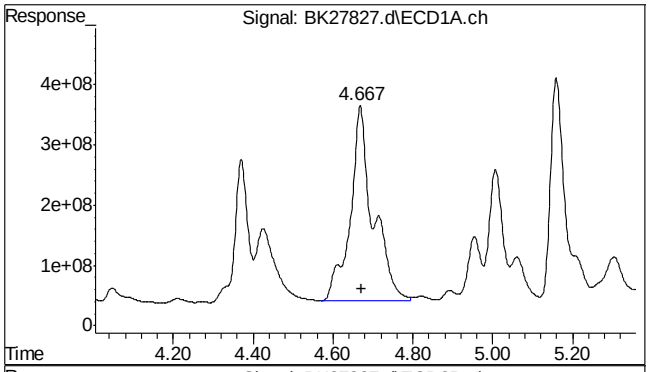
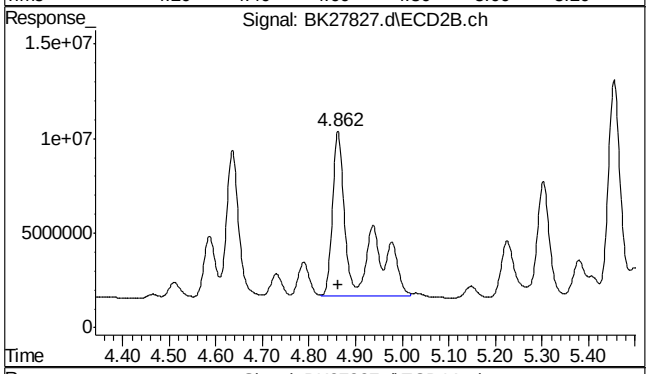


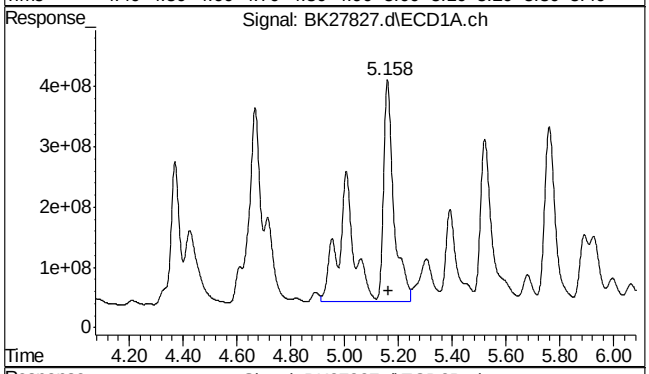
#33 AR1254-B

R.T.: 4.667 min
Delta R.T.: -0.006 min
Response: 12872114303
Conc: 494.47 ppb m



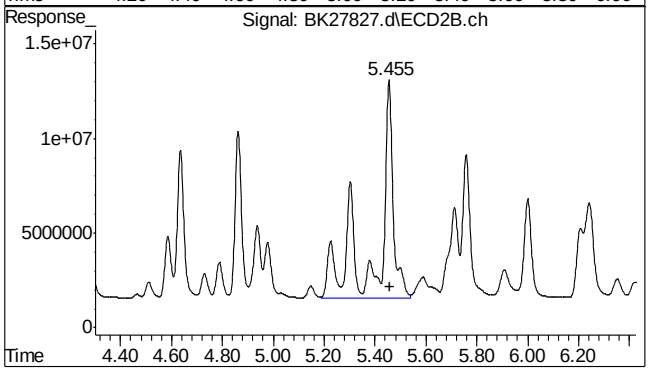
#33 AR1254-B

R.T.: 4.862 min
Delta R.T.: -0.001 min
Response: 272671429
Conc: 486.86 ppb m



#34 AR1254-C

R.T.: 5.158 min
Delta R.T.: -0.007 min
Response: 18757397889
Conc: 534.55 ppb m



#34 AR1254-C

R.T.: 5.455 min
Delta R.T.: -0.001 min
Response: 463126380
Conc: 490.24 ppb m

9.6.21

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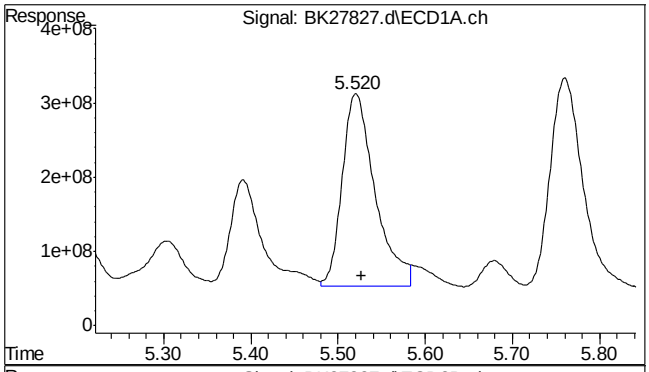
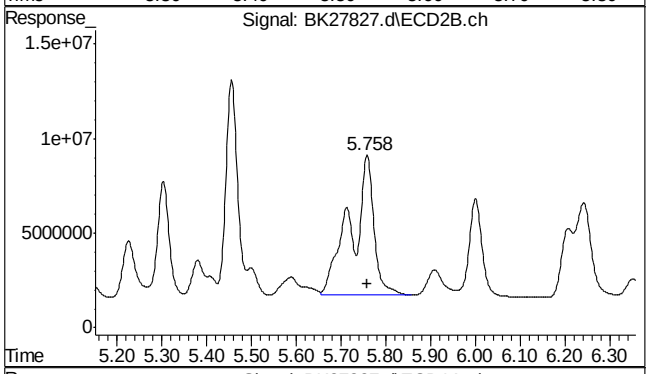


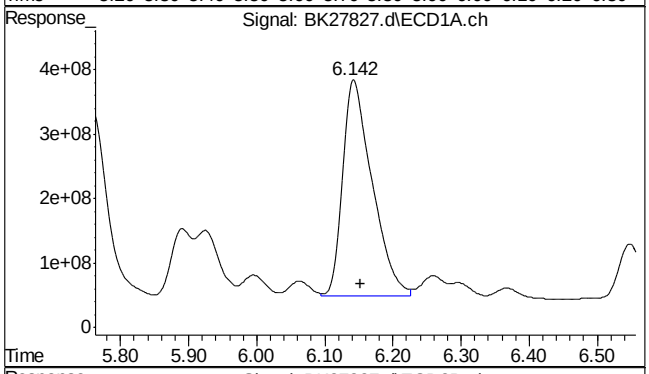
#35 AR1254-D

R.T.: 5.520 min
Delta R.T.: -0.007 min
Response: 6784405679
Conc: 555.64 ppb m



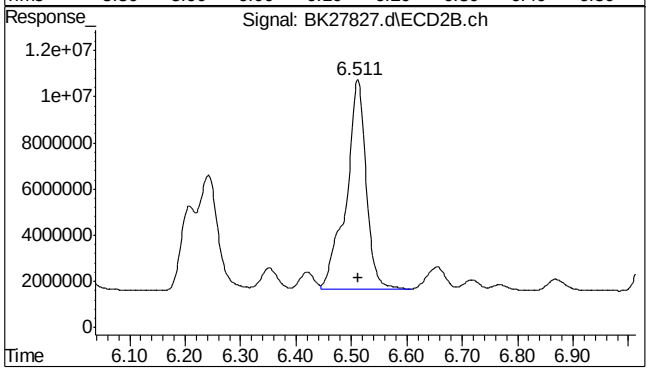
#35 AR1254-D

R.T.: 5.758 min
Delta R.T.: -0.002 min
Response: 263404551
Conc: 488.24 ppb m



#36 AR1254-E

R.T.: 6.142 min
Delta R.T.: -0.010 min
Response: 10191762923
Conc: 570.87 ppb m



#36 AR1254-E

R.T.: 6.511 min
Delta R.T.: -0.002 min
Response: 226251760
Conc: 480.45 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27828.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 10:42 am
Operator : nickk
Sample : ic949-500,a32/62
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:14:59 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:11:47 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.402	2.371	10625.1E6	336.1E6	42.209m	46.441
	Spiked Amount 40.000			Recovery	= 105.52%	116.10%	
13) s	DCB	9.250	9.876	14891.9E6	356.8E6	51.223m	51.712m
	Spiked Amount 40.000			Recovery	= 128.06%	129.28%	
	Target Compounds						
17)	AR1232-A	2.686f	2.756f	2519.5E6	70186744	455.190m	545.815m
18)	AR1232-B	2.983f	3.099f	2060.6E6	59976952	392.415m	474.305m
19)	AR1232-C	3.413f	3.528f	5028.3E6	126.8E6	457.173m	606.040m#
20)	AR1232-D	3.743f	3.860f	2784.2E6	78650431	419.459m	566.697m#
21)	AR1232-E	4.453f	4.639f	4224.9E6	127.7E6	449.376m	604.829m#
37)	AR1262-A	5.391f	5.714f	5347.6E6	137.3E6	438.395m	589.796m#
38)	AR1262-B	5.757f	6.000f	12227.6E6	146.4E6	452.258m	593.840m#
39)	AR1262-C	6.300f	6.640f	24794.1E6	486.6E6	425.940m	610.490m#
40)	AR1262-D	7.583f	8.010f	25520.6E6	518.2E6	482.325m	661.443m#
41)	AR1262-E	8.490f	8.936f	7111.1E6	167.6E6	519.939m	722.644m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

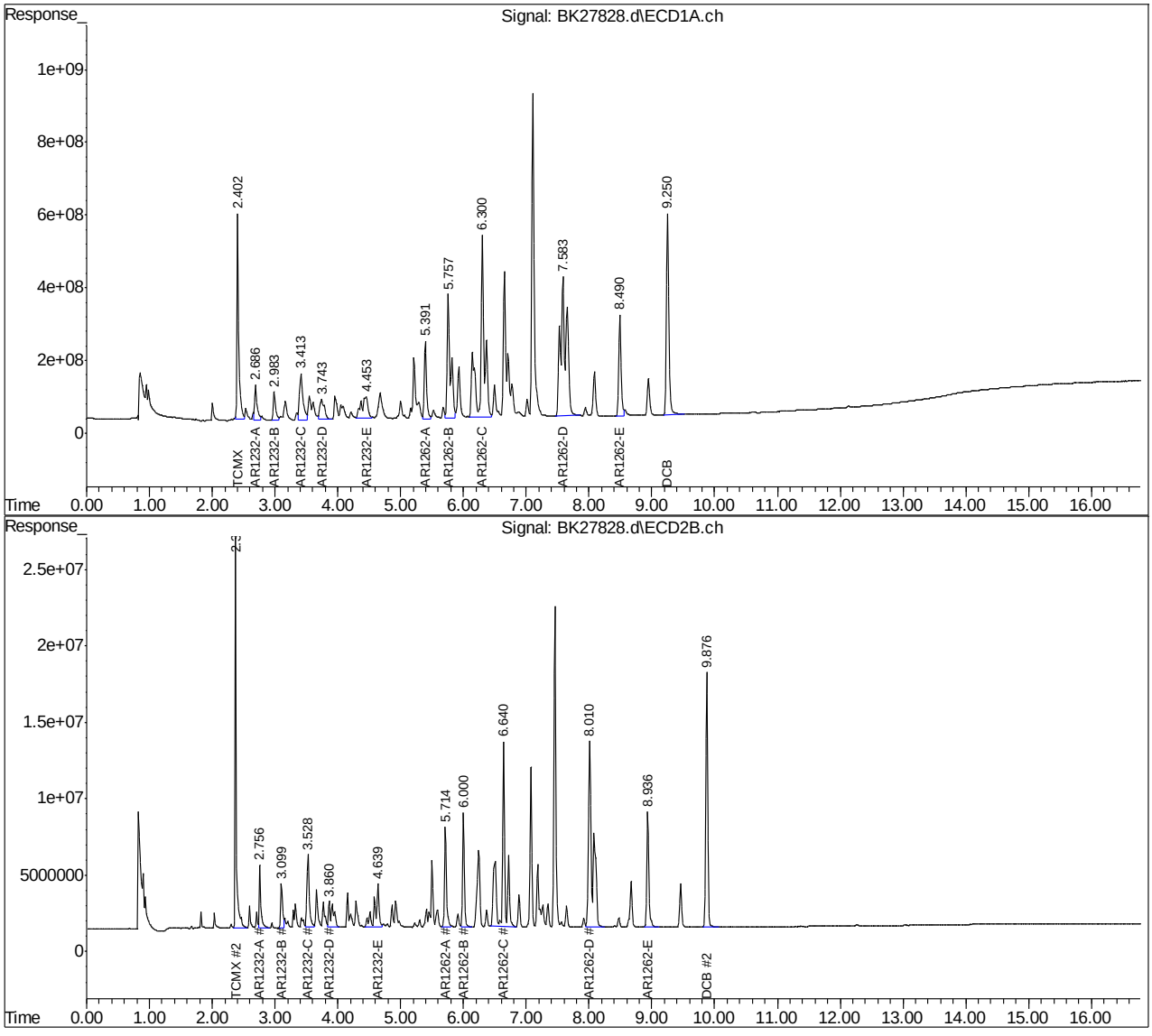
9.6.22
9

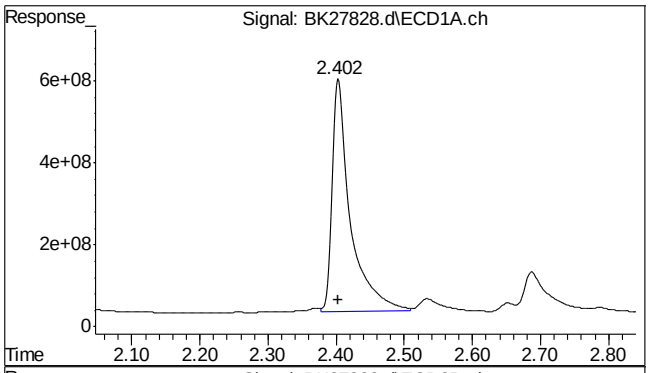
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27828.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 10:42 am
Operator : nickk
Sample : ic949-500,a32/62
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:14:59 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:11:47 2013
Response via : Initial Calibration
Integrator: ChemStation

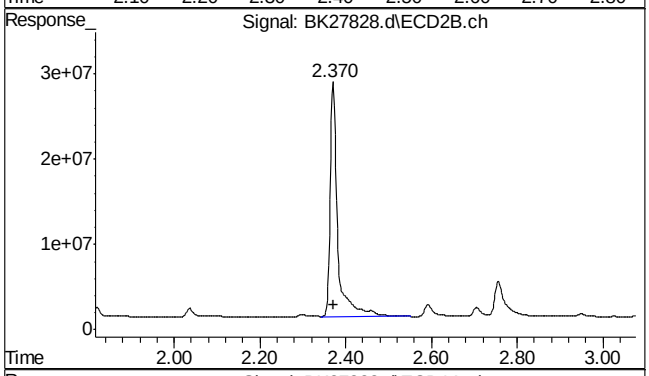
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





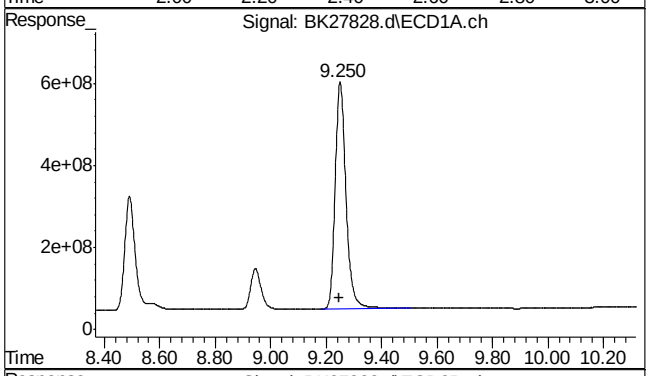
#1 TCMX

R.T.: 2.402 min
Delta R.T.: 0.000 min
Response: 10625120381
Conc: 42.21 ppb m



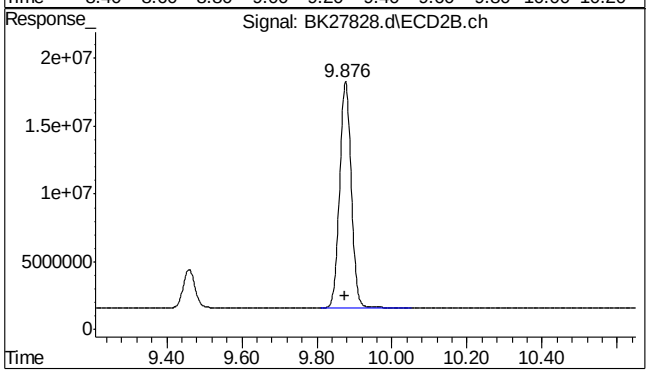
#1 TCMX

R.T.: 2.371 min
Delta R.T.: 0.000 min
Response: 336141816
Conc: 46.44 ppb



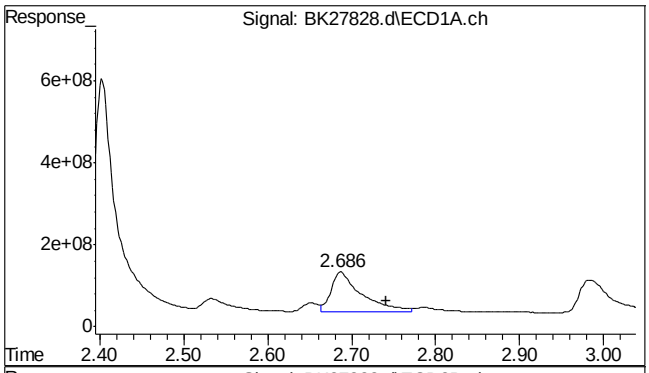
#13 DCB

R.T.: 9.250 min
Delta R.T.: 0.002 min
Response: 14891907187
Conc: 51.22 ppb m



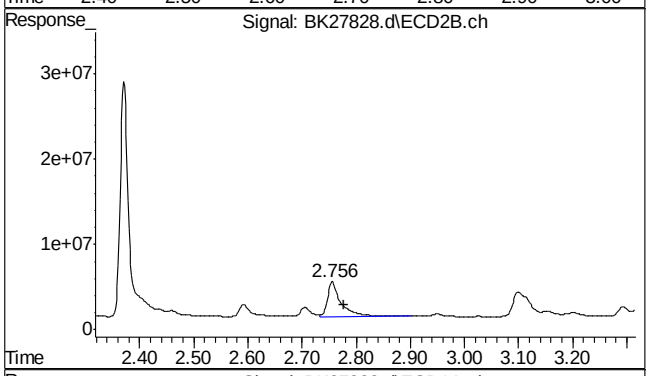
#13 DCB

R.T.: 9.876 min
Delta R.T.: 0.000 min
Response: 356820418
Conc: 51.71 ppb m



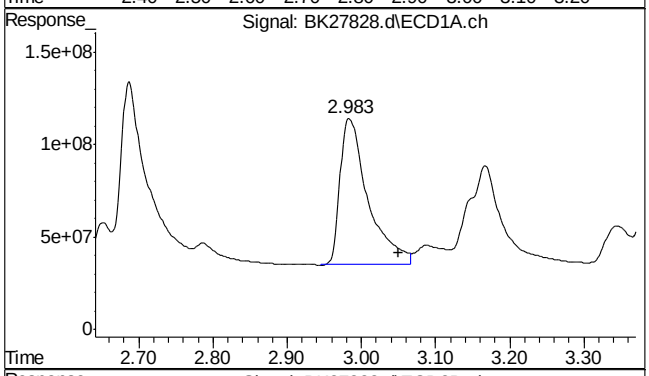
#17 AR1232-A

R.T.: 2.686 min
Delta R.T.: -0.056 min
Response: 2519467315
Conc: 455.19 ppb m



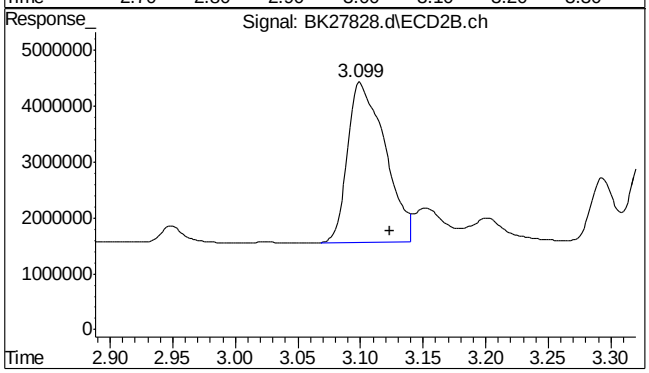
#17 AR1232-A

R.T.: 2.756 min
Delta R.T.: -0.022 min
Response: 70186744
Conc: 545.81 ppb m



#18 AR1232-B

R.T.: 2.983 min
Delta R.T.: -0.067 min
Response: 2060569969
Conc: 392.41 ppb m



#18 AR1232-B

R.T.: 3.099 min
Delta R.T.: -0.024 min
Response: 59976952
Conc: 474.31 ppb m

9.6.22

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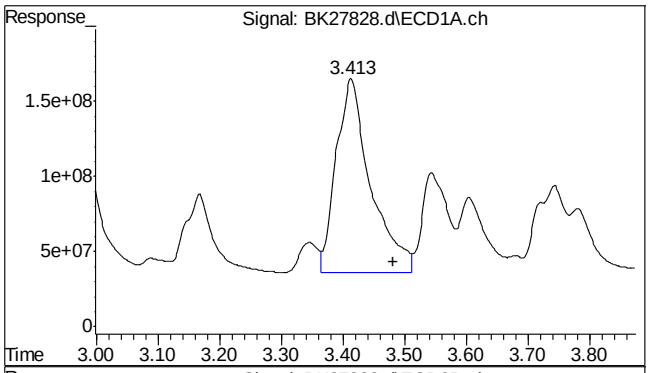
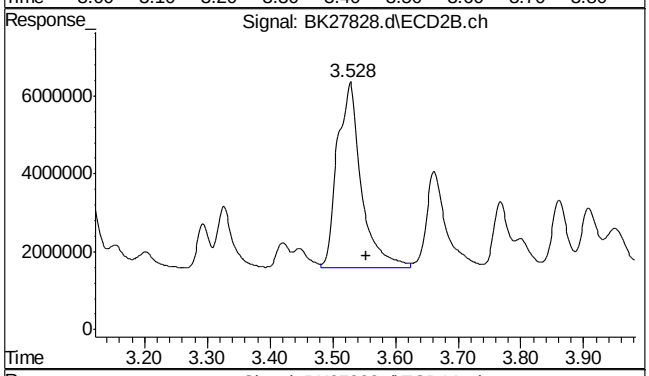


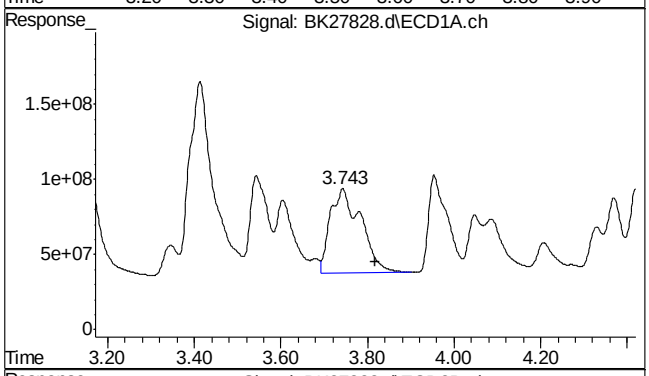
#19 AR1232-C

R.T.: 3.413 min
Delta R.T.: -0.068 min
Response: 5028332339
Conc: 457.17 ppb m



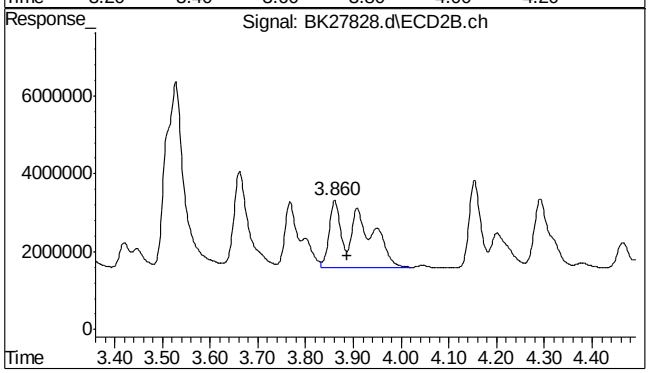
#19 AR1232-C

R.T.: 3.528 min
Delta R.T.: -0.025 min
Response: 126812689
Conc: 606.04 ppb m



#20 AR1232-D

R.T.: 3.743 min
Delta R.T.: -0.075 min
Response: 2784163286
Conc: 419.46 ppb m



#20 AR1232-D

R.T.: 3.860 min
Delta R.T.: -0.027 min
Response: 78650431
Conc: 566.70 ppb m

9.6.22

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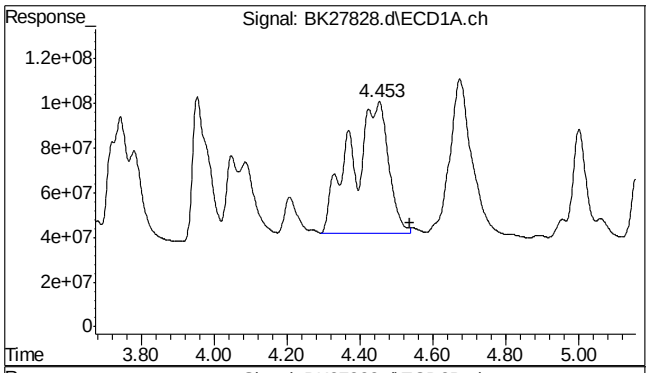
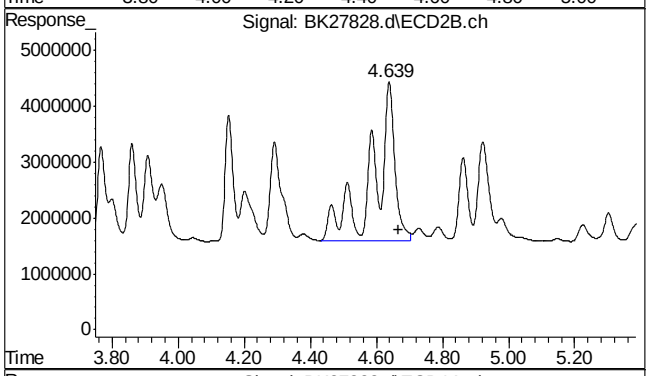


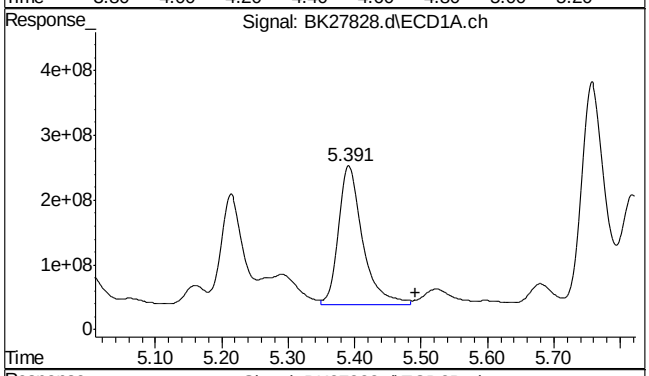
#21 AR1232-E

R.T.: 4.453 min
Delta R.T.: -0.084 min
Response: 4224936794
Conc: 449.38 ppb m



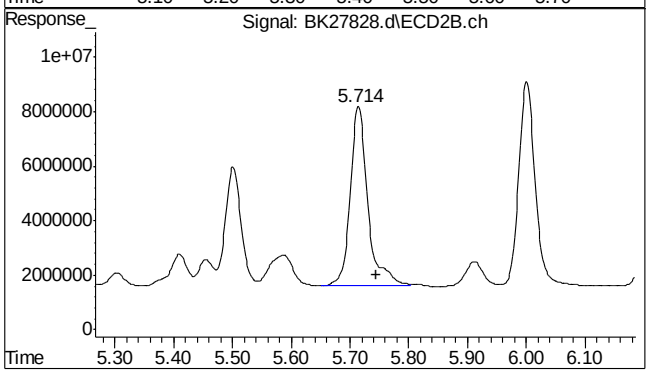
#21 AR1232-E

R.T.: 4.639 min
Delta R.T.: -0.030 min
Response: 127686104
Conc: 604.83 ppb m



#37 AR1262-A

R.T.: 5.391 min
Delta R.T.: -0.100 min
Response: 5347580319
Conc: 438.40 ppb m



#37 AR1262-A

R.T.: 5.714 min
Delta R.T.: -0.030 min
Response: 137330070
Conc: 589.80 ppb m

9.6.22

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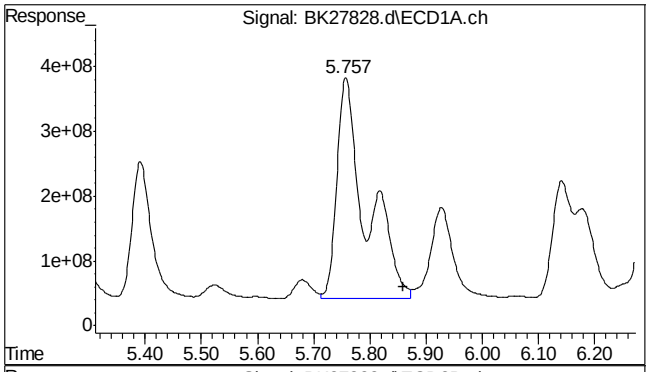
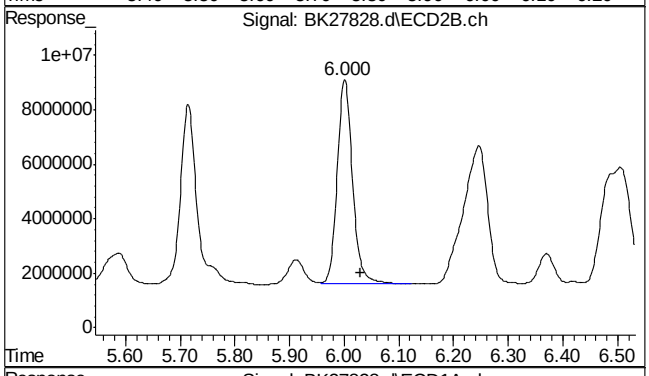


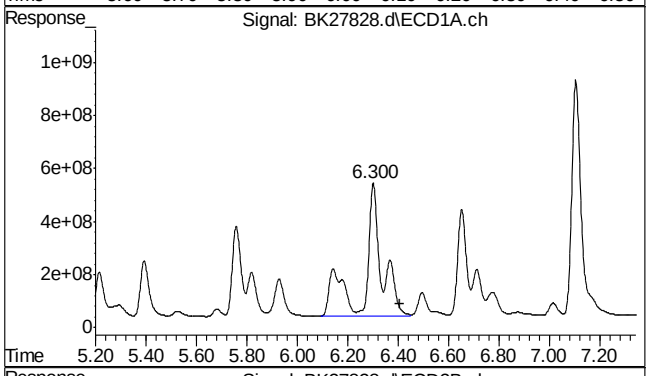
#38 AR1262-B

R.T.: 5.757 min
Delta R.T.: -0.103 min
Response: 12227609857
Conc: 452.26 ppb m



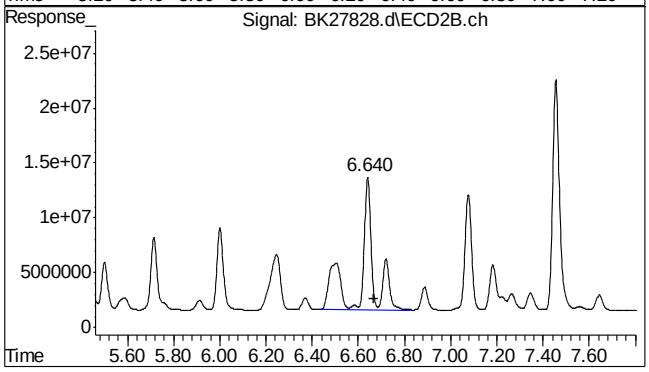
#38 AR1262-B

R.T.: 6.000 min
Delta R.T.: -0.030 min
Response: 146446816
Conc: 593.84 ppb m



#39 AR1262-C

R.T.: 6.300 min
Delta R.T.: -0.108 min
Response: 24794129989
Conc: 425.94 ppb m

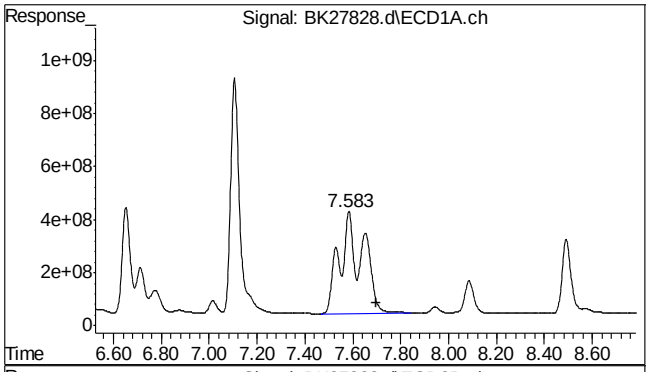


#39 AR1262-C

R.T.: 6.640 min
Delta R.T.: -0.030 min
Response: 486575157
Conc: 610.49 ppb m

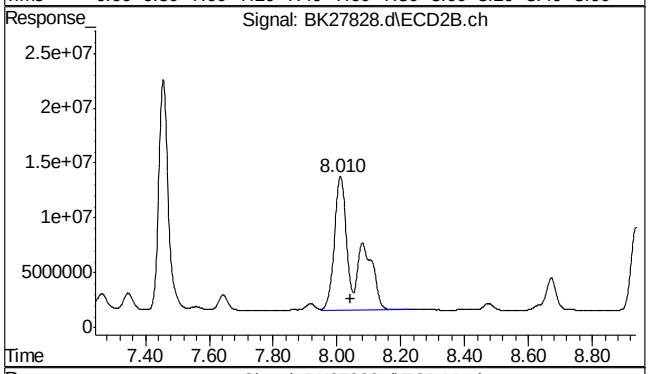
9.6.22

9



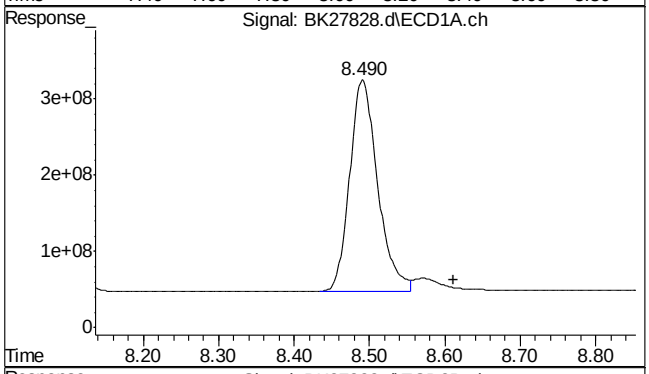
#40 AR1262-D

R.T.: 7.583 min
Delta R.T.: -0.117 min
Response: 25520606739
Conc: 482.32 ppb m



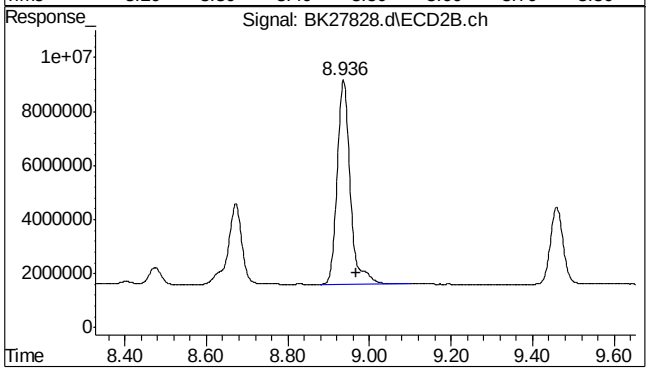
#40 AR1262-D

R.T.: 8.010 min
Delta R.T.: -0.032 min
Response: 518224486
Conc: 661.44 ppb m



#41 AR1262-E

R.T.: 8.490 min
Delta R.T.: -0.122 min
Response: 7111102365
Conc: 519.94 ppb m



#41 AR1262-E

R.T.: 8.936 min
Delta R.T.: -0.032 min
Response: 167553864
Conc: 722.64 ppb m

9.6.22

9

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27829.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 11:01 am
Operator : nickk
Sample : ic949-500,a42/68
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:20:45 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:15:03 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.369	2.369	10507.7E6	304.3E6	41.874m	41.604
	Spiked Amount 40.000			Recovery	=	104.69%	104.01%
13) s	DCB	9.249	9.877	22699.4E6	555.4E6	74.517m	77.795
	Spiked Amount 40.000			Recovery	=	186.29%	194.49%
	Target Compounds						
22)	AR1242-A	2.685	2.754	2105.8E6	64283161	462.764m	445.041
23)	AR1242-B	2.986	3.099	4867.7E6	135.5E6	518.228	431.640
24)	AR1242-C	3.413	3.527	11276.8E6	269.2E6	483.733	432.430m
25)	AR1242-D	3.742	3.860	7337.6E6	186.2E6	526.047m	437.049m
26)	AR1242-E	4.452	4.642	9345.8E6	271.4E6	517.458m	470.470m
42)	AR1268-A	6.302	6.641	4314.9E6	83251266	562.603m	442.723m
43)	AR1268-B	6.647	7.079	6185.3E6	121.7E6	470.091m	433.599m
44)	AR1268-C	7.584	8.007	46724.9E6	1002.4E6	477.811m	446.132m
45)	AR1268-D	7.943	8.475	19696.6E6	424.7E6	461.259m	437.756m
46)	AR1268-E	8.944	9.460	54822.0E6	1362.9E6	496.954m	467.963m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9.6.23

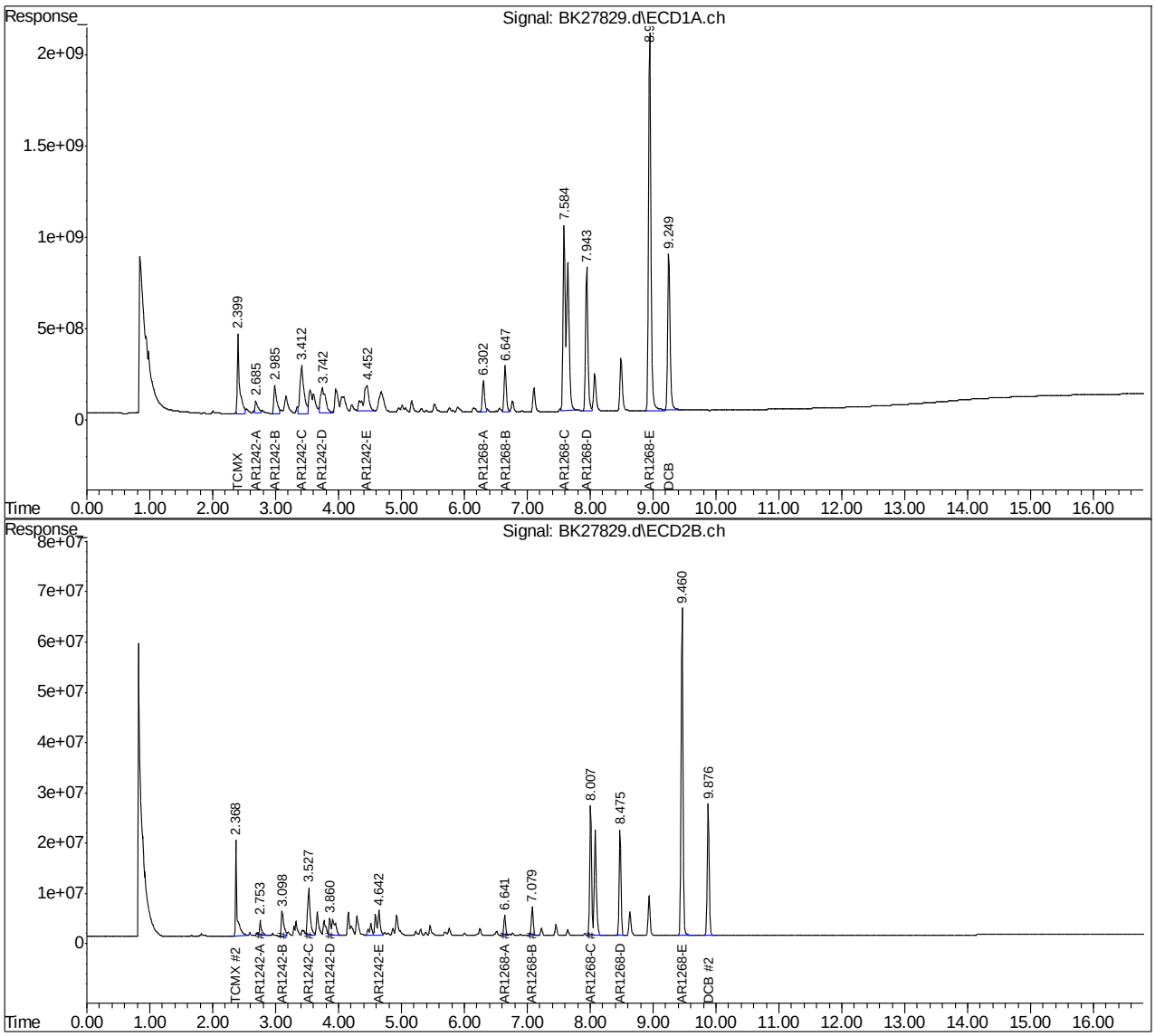
9

Quantitation Report (QT Reviewed)

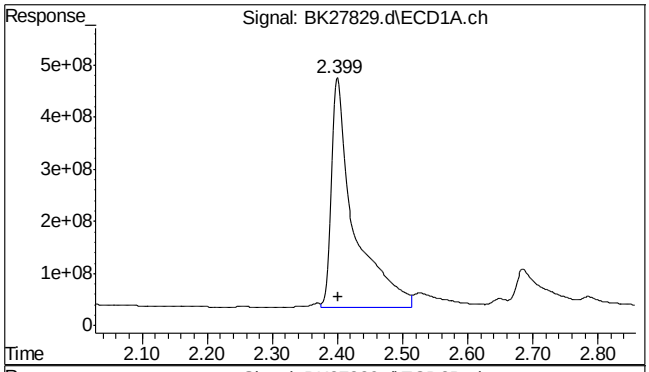
Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27829.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 11:01 am
Operator : nickk
Sample : ic949-500,a42/68
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:20:45 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:15:03 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

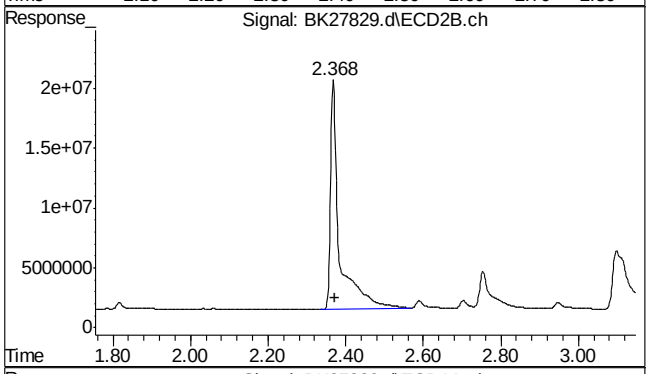


ACCUTEST LABORATORIES MC23456



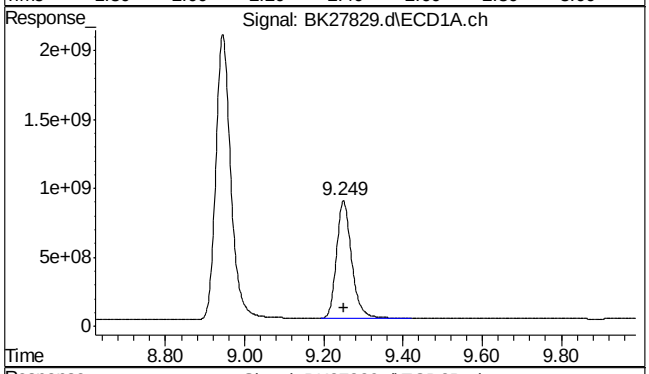
#1 TCMX

R.T.: 2.399 min
Delta R.T.: -0.003 min
Response: 10507701869
Conc: 41.87 ppb m



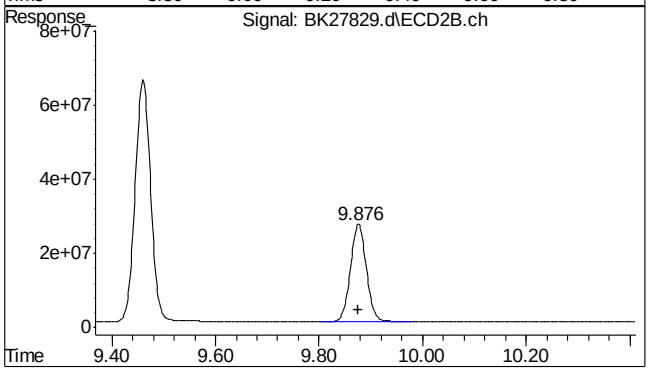
#1 TCMX

R.T.: 2.369 min
Delta R.T.: -0.003 min
Response: 304287487
Conc: 41.60 ppb



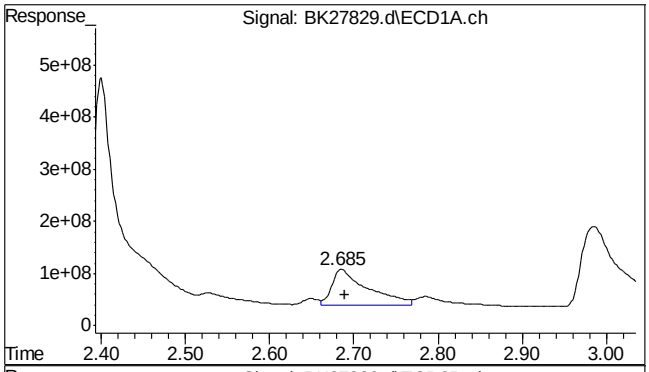
#13 DCB

R.T.: 9.249 min
Delta R.T.: 0.000 min
Response: 22699432182
Conc: 74.52 ppb m



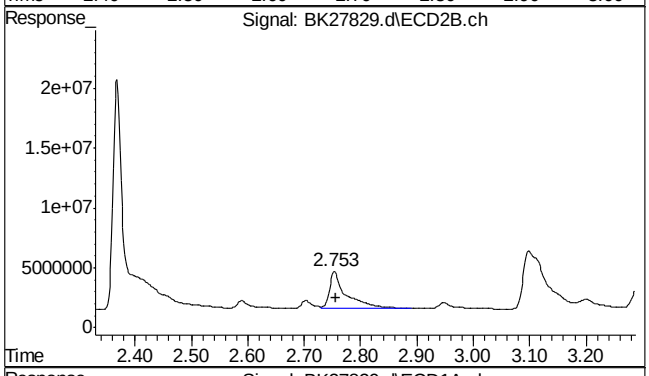
#13 DCB

R.T.: 9.877 min
Delta R.T.: 0.000 min
Response: 555372140
Conc: 77.80 ppb



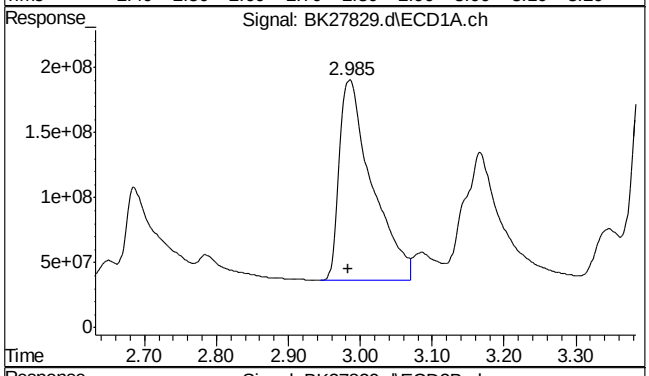
#22 AR1242-A

R.T.: 2.685 min
Delta R.T.: -0.005 min
Response: 2105792987
Conc: 462.76 ppb m



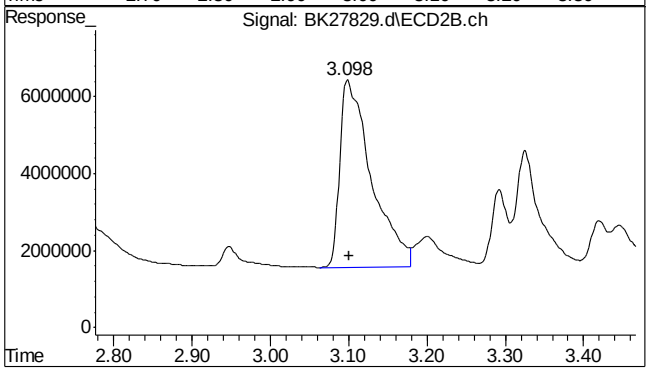
#22 AR1242-A

R.T.: 2.754 min
Delta R.T.: -0.002 min
Response: 64283161
Conc: 445.04 ppb



#23 AR1242-B

R.T.: 2.986 min
Delta R.T.: 0.002 min
Response: 4867743560
Conc: 518.23 ppb

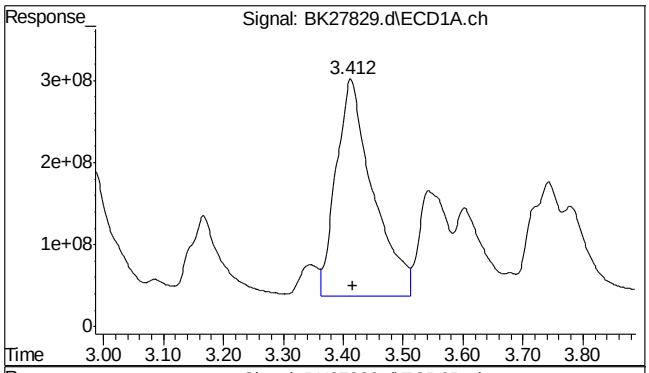


#23 AR1242-B

R.T.: 3.099 min
Delta R.T.: -0.002 min
Response: 135456485
Conc: 431.64 ppb

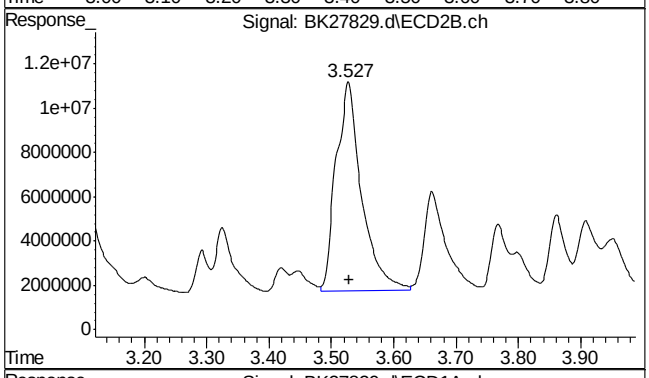
9.6.23

9



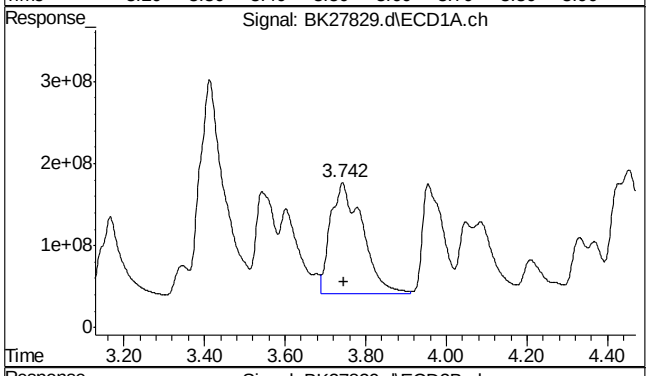
#24 AR1242-C

R.T.: 3.413 min
Delta R.T.: -0.003 min
Response: 11276808061
Conc: 483.73 ppb



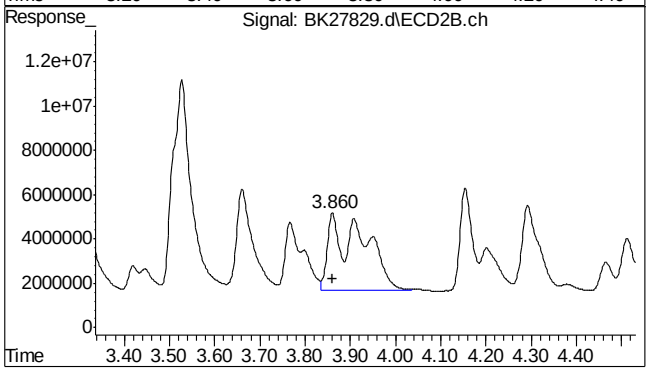
#24 AR1242-C

R.T.: 3.527 min
Delta R.T.: -0.002 min
Response: 269229669
Conc: 432.43 ppb m



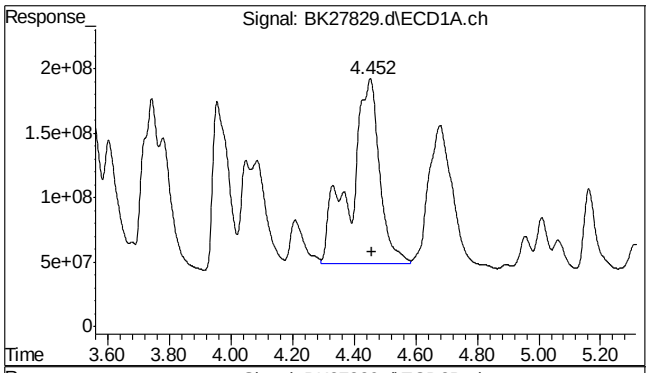
#25 AR1242-D

R.T.: 3.742 min
Delta R.T.: -0.005 min
Response: 7337608740
Conc: 526.05 ppb m



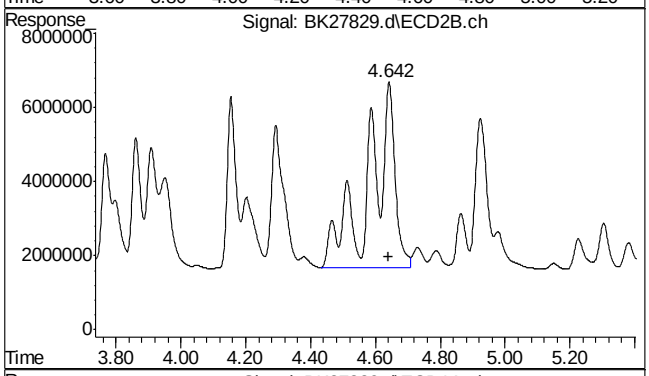
#25 AR1242-D

R.T.: 3.860 min
Delta R.T.: 0.000 min
Response: 186176114
Conc: 437.05 ppb m



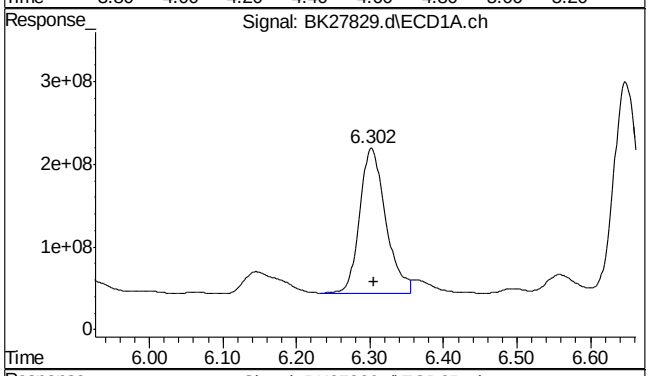
#26 AR1242-E

R.T.: 4.452 min
Delta R.T.: -0.006 min
Response: 9345815963
Conc: 517.46 ppb m



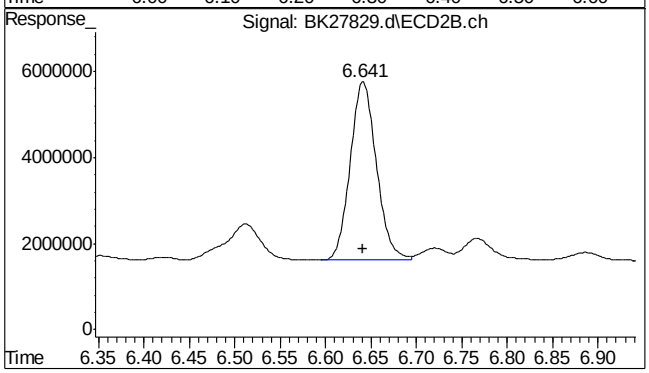
#26 AR1242-E

R.T.: 4.642 min
Delta R.T.: 0.000 min
Response: 271421037
Conc: 470.47 ppb m



#42 AR1268-A

R.T.: 6.302 min
Delta R.T.: -0.003 min
Response: 4314850044
Conc: 562.60 ppb m

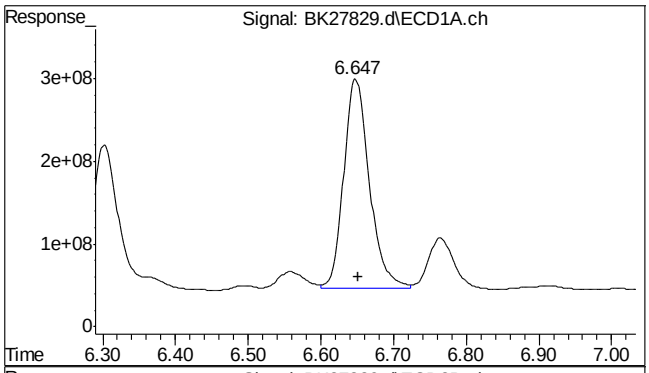


#42 AR1268-A

R.T.: 6.641 min
Delta R.T.: 0.000 min
Response: 83251266
Conc: 442.72 ppb m

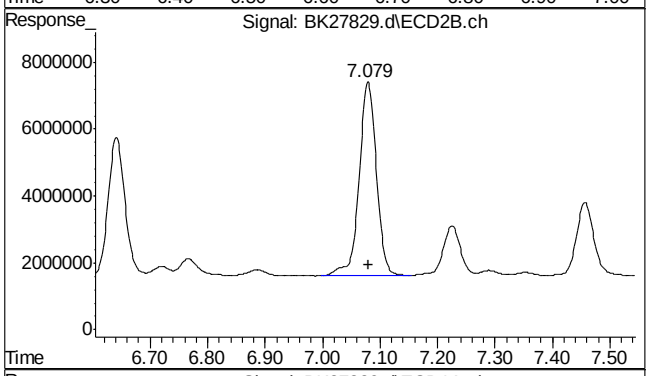
9.6.23

9



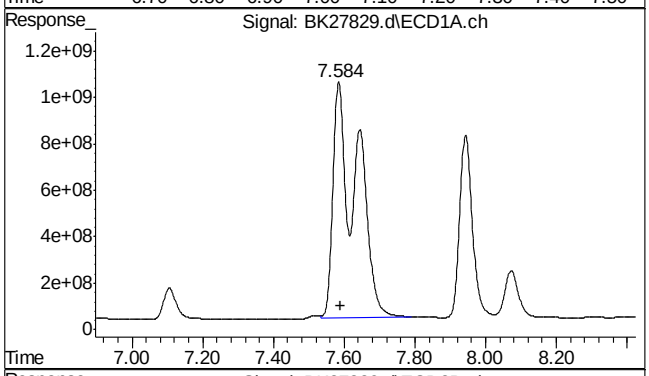
#43 AR1268-B

R.T.: 6.647 min
Delta R.T.: -0.004 min
Response: 6185265604
Conc: 470.09 ppb m



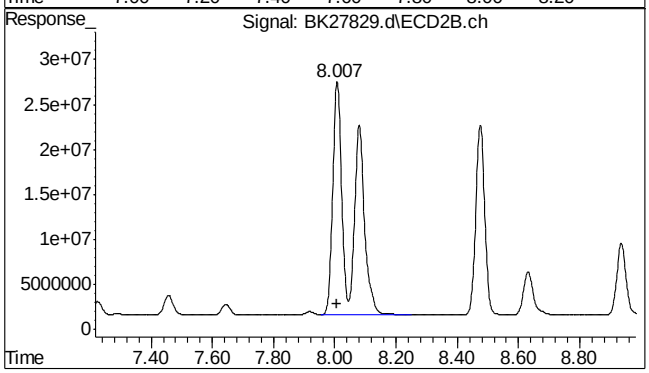
#43 AR1268-B

R.T.: 7.079 min
Delta R.T.: -0.001 min
Response: 121737477
Conc: 433.60 ppb m



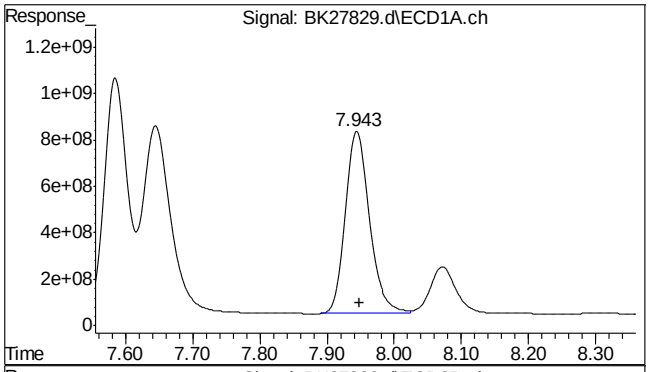
#44 AR1268-C

R.T.: 7.584 min
Delta R.T.: -0.005 min
Response: 46724880209
Conc: 477.81 ppb m



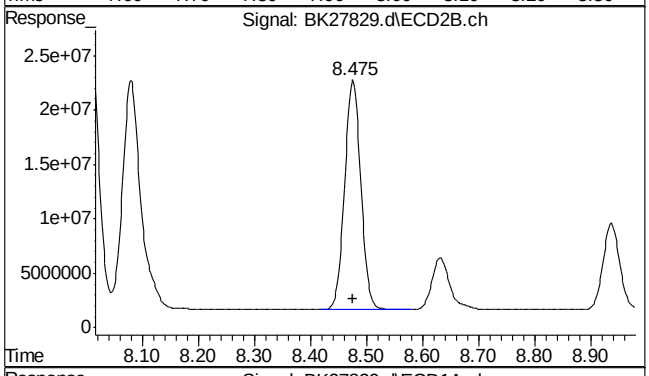
#44 AR1268-C

R.T.: 8.007 min
Delta R.T.: 0.000 min
Response: 1002366767
Conc: 446.13 ppb m



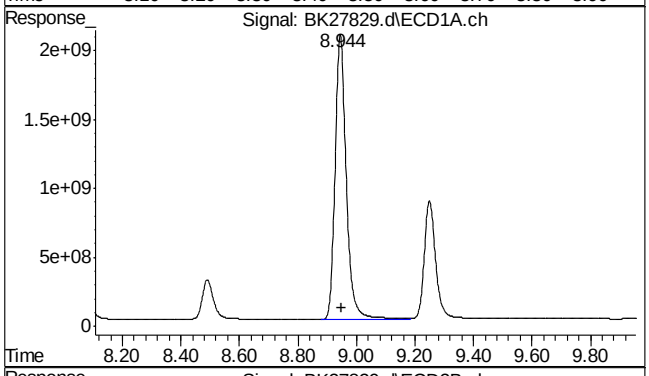
#45 AR1268-D

R.T.: 7.943 min
Delta R.T.: -0.005 min
Response: 19696640173
Conc: 461.26 ppb m



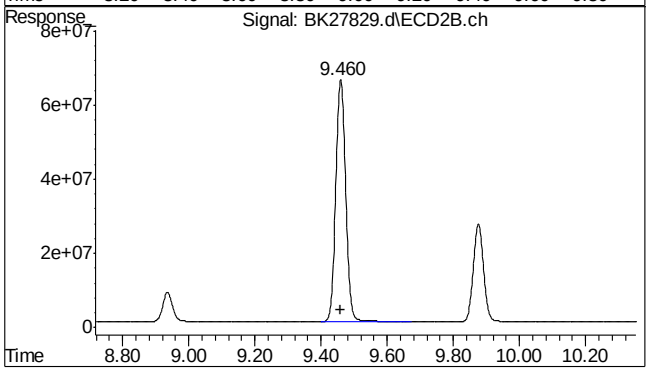
#45 AR1268-D

R.T.: 8.475 min
Delta R.T.: -0.001 min
Response: 424725151
Conc: 437.76 ppb m



#46 AR1268-E

R.T.: 8.944 min
Delta R.T.: -0.005 min
Response: 54821993369
Conc: 496.95 ppb m



#46 AR1268-E

R.T.: 9.460 min
Delta R.T.: 0.000 min
Response: 1362861944
Conc: 467.96 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27830.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 11:20 am
Operator : nickk
Sample : ic949-500,a1248
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:39:35 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:20:55 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.401	2.371	14028.9E6	390.6E6	55.997m	54.222
	Spiked Amount 40.000			Recovery	= 139.99%	135.56%	
13) s	DCB	9.249	9.876	16478.0E6	396.3E6	43.015m	42.956m
	Spiked Amount 40.000			Recovery	= 107.54%	107.39%	
	Target Compounds						
27)	AR1248-A	2.984	3.099	2166.5E6	62323676	394.231	359.607m
28)	AR1248-B	3.412	3.527	6437.5E6	155.0E6	438.581	374.751m
29)	AR1248-C	3.741	3.861	9424.3E6	241.3E6	404.026m	359.317m
30)	AR1248-D	3.953	4.641	11677.7E6	396.9E6	399.169m	427.838m
31)	AR1248-E	4.423	4.923	14241.8E6	233.6E6	403.078m	398.904m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

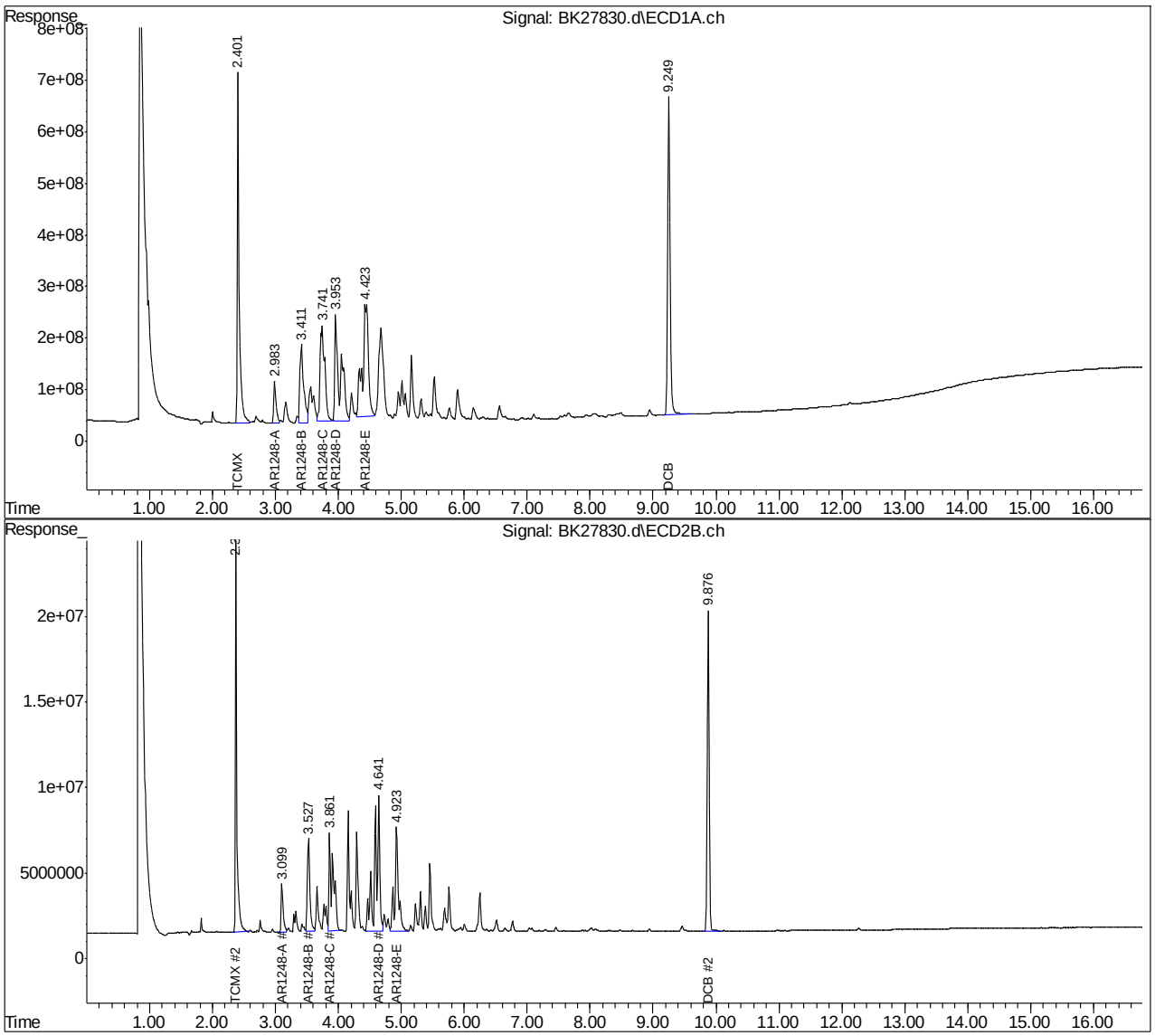
9.6.24
9

Quantitation Report (QT Reviewed)

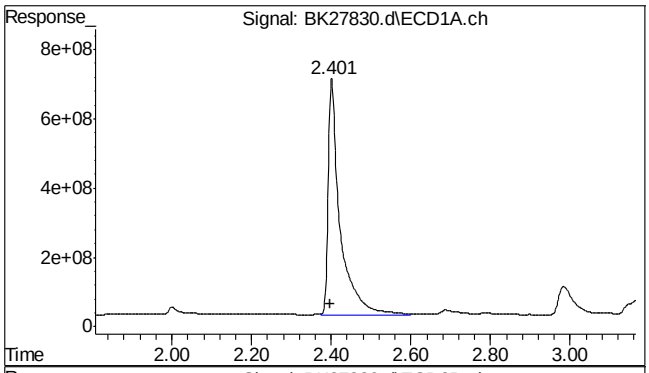
Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27830.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 11:20 am
Operator : nickk
Sample : ic949-500,a1248
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:39:35 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:20:55 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

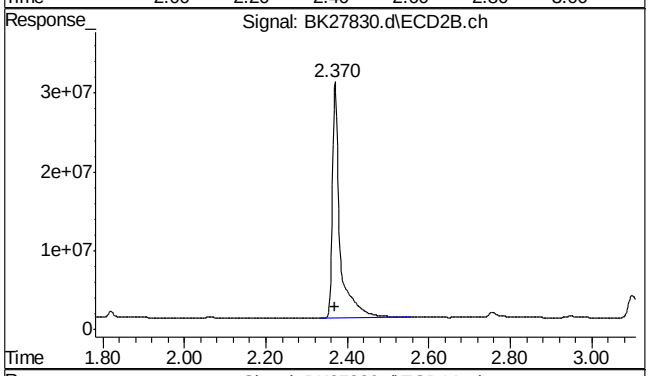


ACCUTEST LABORATORIES MC23456



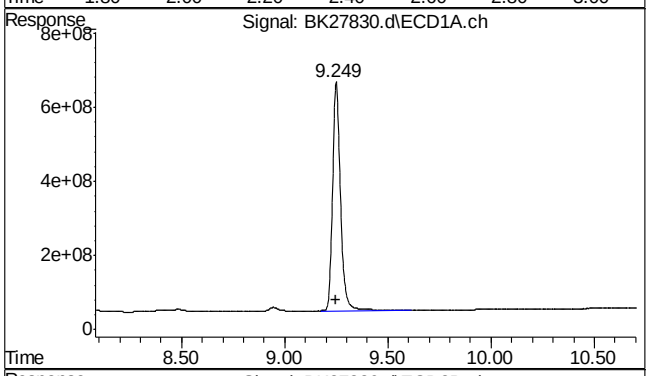
#1 TCMX

R.T.: 2.401 min
Delta R.T.: 0.002 min
Response: 14028857038
Conc: 56.00 ppb m



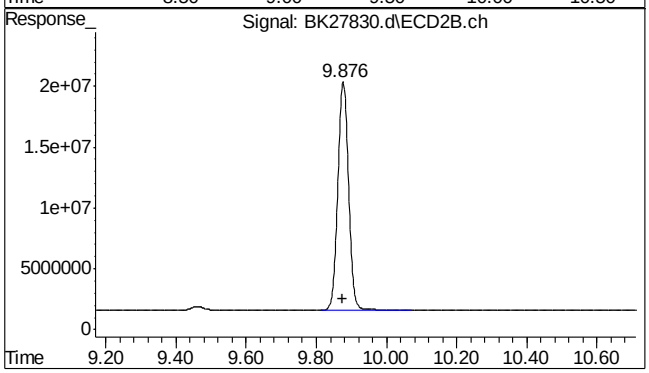
#1 TCMX

R.T.: 2.371 min
Delta R.T.: 0.002 min
Response: 390580979
Conc: 54.22 ppb



#13 DCB

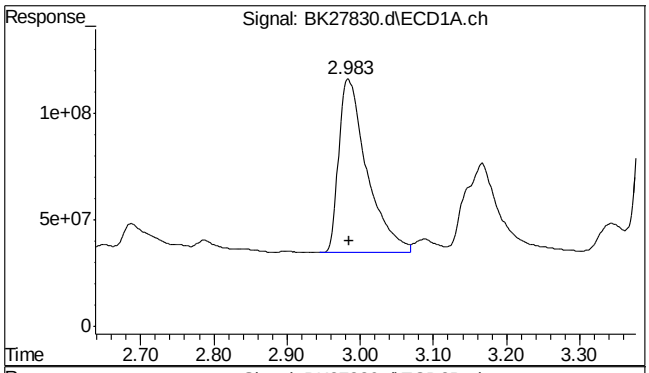
R.T.: 9.249 min
Delta R.T.: 0.000 min
Response: 16477992114
Conc: 43.01 ppb m



#13 DCB

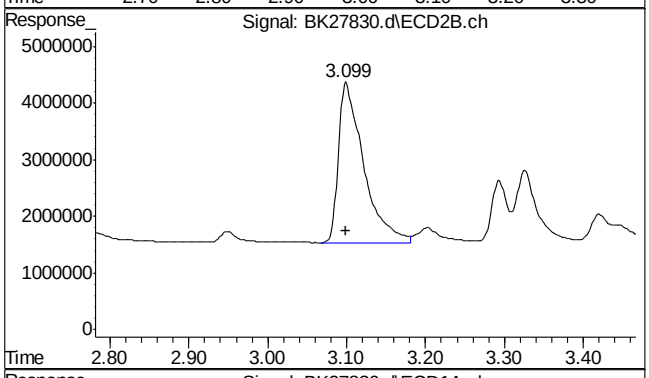
R.T.: 9.876 min
Delta R.T.: 0.000 min
Response: 396294417
Conc: 42.96 ppb m

9.6.24
9



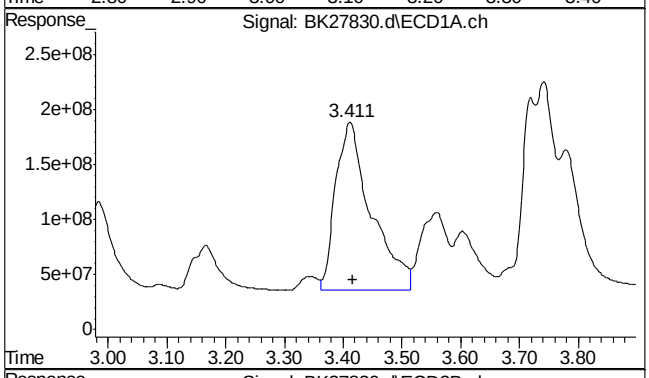
#27 AR1248-A

R.T.: 2.984 min
Delta R.T.: 0.000 min
Response: 2166515579
Conc: 394.23 ppb



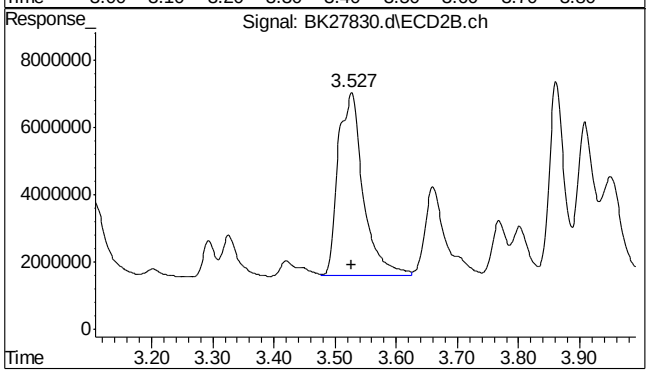
#27 AR1248-A

R.T.: 3.099 min
Delta R.T.: 0.000 min
Response: 62323676
Conc: 359.61 ppb m



#28 AR1248-B

R.T.: 3.412 min
Delta R.T.: -0.004 min
Response: 6437525256
Conc: 438.58 ppb

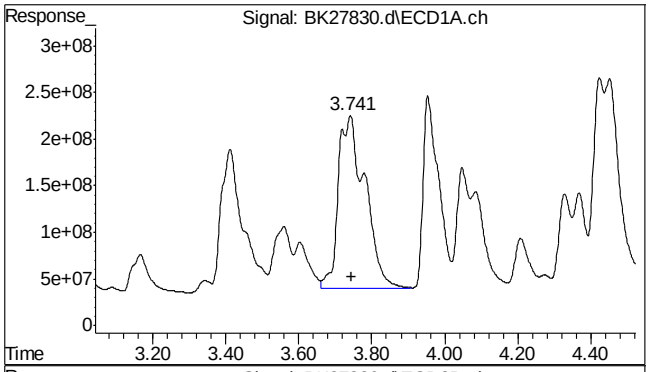


#28 AR1248-B

R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 155002292
Conc: 374.75 ppb m

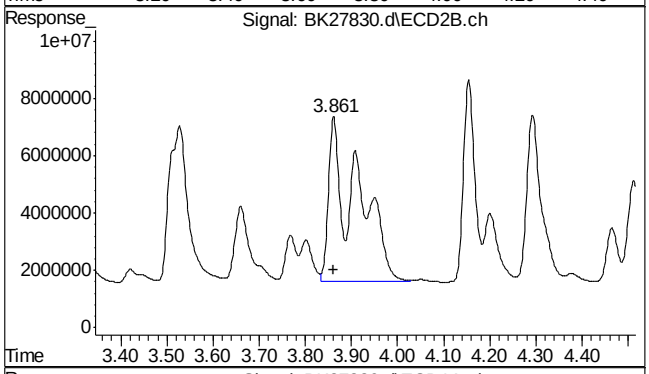
9.6.24

9



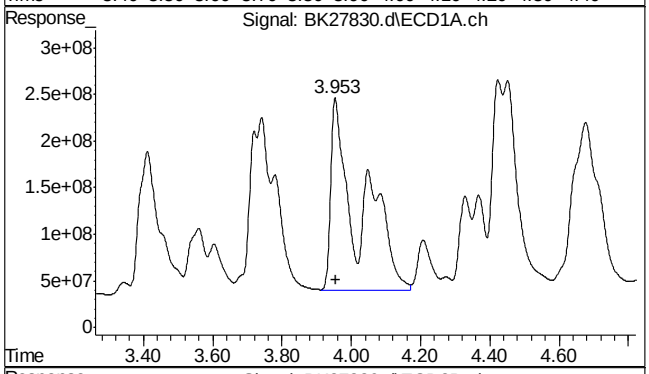
#29 AR1248-C

R.T.: 3.741 min
Delta R.T.: -0.004 min
Response: 9424254645
Conc: 404.03 ppb m



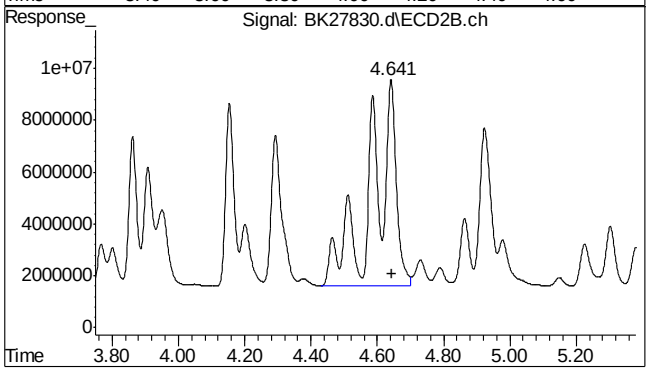
#29 AR1248-C

R.T.: 3.861 min
Delta R.T.: -0.001 min
Response: 241312401
Conc: 359.32 ppb m



#30 AR1248-D

R.T.: 3.953 min
Delta R.T.: -0.004 min
Response: 11677740625
Conc: 399.17 ppb m

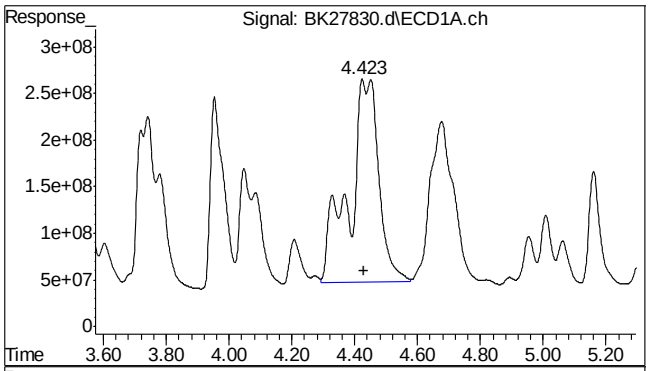


#30 AR1248-D

R.T.: 4.641 min
Delta R.T.: -0.003 min
Response: 396882487
Conc: 427.84 ppb m

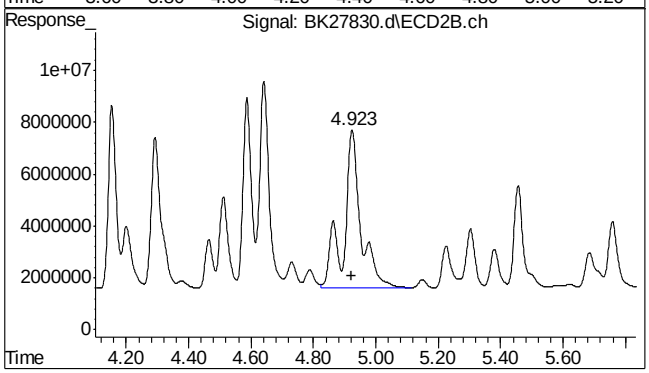
9.6.24

9



#31 AR1248-E

R.T.: 4.423 min
Delta R.T.: -0.005 min
Response: 14241827546
Conc: 403.08 ppb m



#31 AR1248-E

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 233603337
Conc: 398.90 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/14/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27831.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 11:38 am
Operator : nickk
Sample : icv949-500,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:58:44 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.401	2.370	12773.3E6	372.2E6	49.319m	49.918
	Spiked Amount 40.000			Recovery	= 123.30%	124.79%	
13) s	DCB	9.249	9.876	16254.6E6	392.6E6	49.951m	50.656m
	Spiked Amount 40.000			Recovery	= 124.88%	126.64%	
	Target Compounds						
2)	AR1016-A	2.686	2.755	2149.5E6	60468353	497.746m	483.979m
3)	AR1016-B	2.986	3.099	4725.3E6	129.4E6	483.969	481.542m
4)	AR1016-C	3.412	3.527	10846.6E6	265.6E6	502.852	511.611m
5)	AR1016-D	3.541	3.661	6635.0E6	104.4E6	500.070m	501.359m
6)	AR1016-E	3.953	4.153	4183.7E6	126.8E6	481.182m	506.610m
7)	AR1260-A	5.392	5.714	7510.7E6	180.5E6	488.169	499.932m
8)	AR1260-B	5.757	6.000	15947.9E6	214.7E6	505.439m	498.566m
9)	AR1260-C	6.141f	6.510f	27804.0E6	551.7E6	499.152m	506.972m
10)	AR1260-D	7.105	7.456	22015.6E6	416.6E6	505.530m	501.885m
11)	AR1260-E	7.529	8.019	20041.8E6	410.1E6	509.002m	508.743m
12)	AR1260-F	8.491	8.937	5136.1E6	121.1E6	533.640	526.423

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

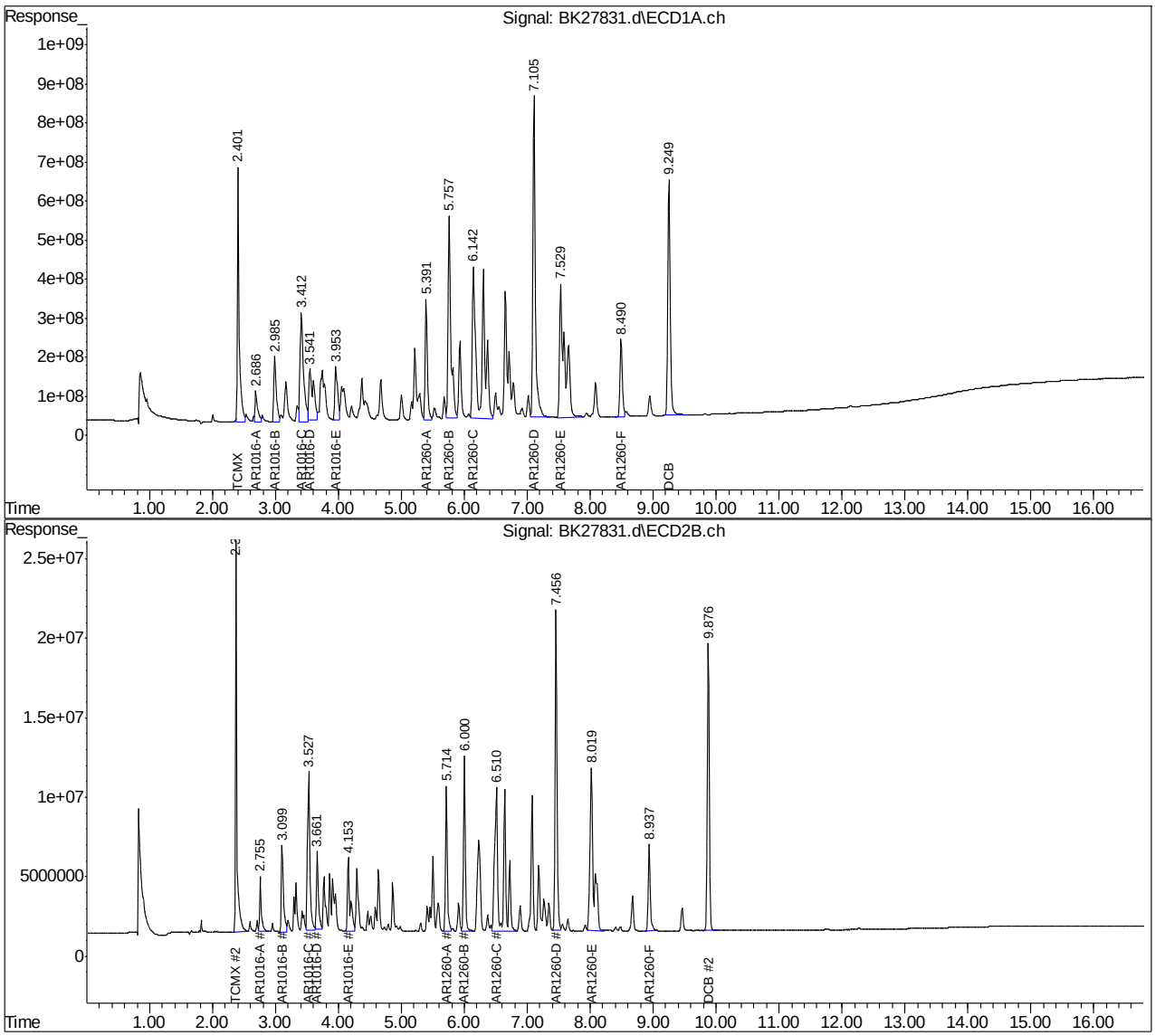
9.6.25
9

Quantitation Report (QT Reviewed)

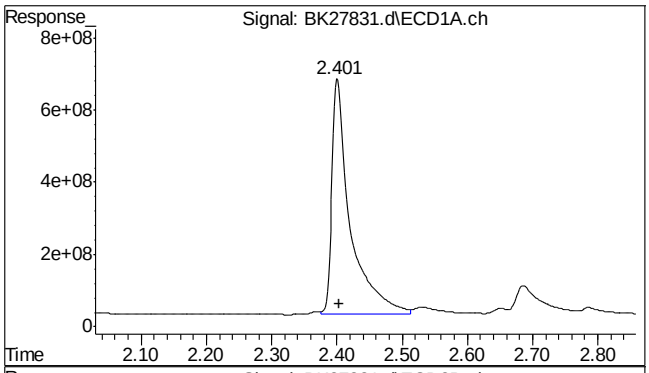
Data Path : C:\msdchem\1\DATA\BK130813\
Data File : BK27831.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2013 11:38 am
Operator : nickk
Sample : icv949-500,a16/60
Misc : op34351,gbk949,15,,,10,,s
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 13 11:58:44 2013
Quant Method : C:\msdchem\1\METHODS\PC130813.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

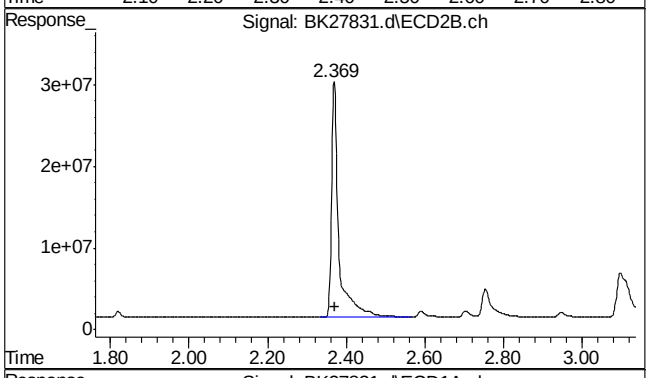


ACCUTEST LABORATORIES MC23456



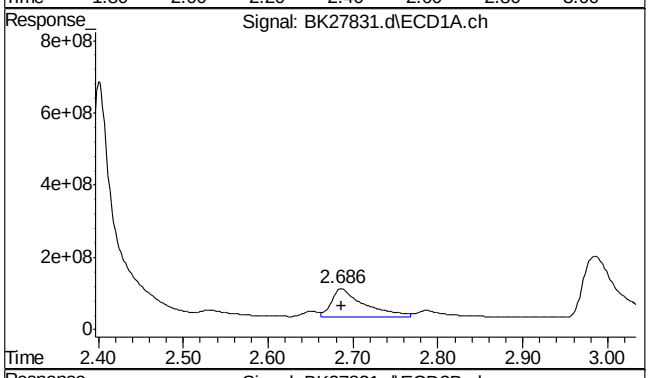
#1 TCMX

R.T.: 2.401 min
Delta R.T.: -0.002 min
Response: 12773254448
Conc: 49.32 ppb m



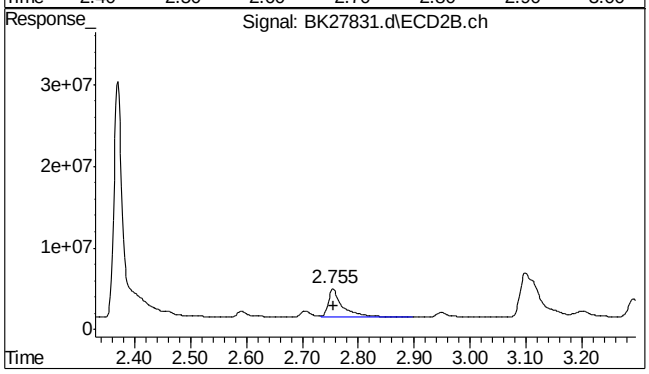
#1 TCMX

R.T.: 2.370 min
Delta R.T.: 0.000 min
Response: 372198939
Conc: 49.92 ppb



#2 AR1016-A

R.T.: 2.686 min
Delta R.T.: -0.001 min
Response: 2149471366
Conc: 497.75 ppb m

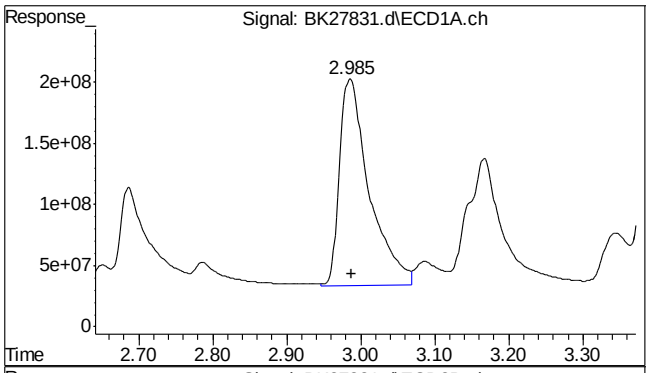


#2 AR1016-A

R.T.: 2.755 min
Delta R.T.: -0.001 min
Response: 60468353
Conc: 483.98 ppb m

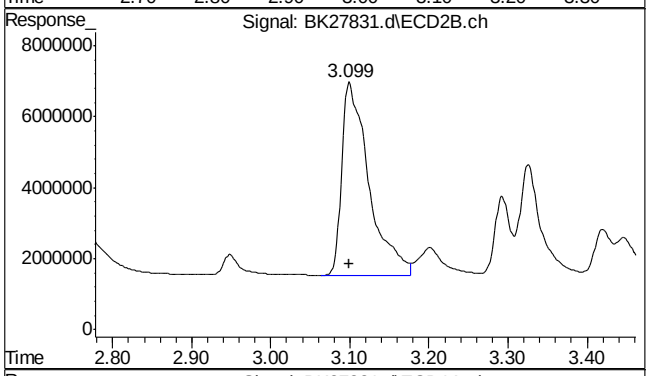
9.6.25

9



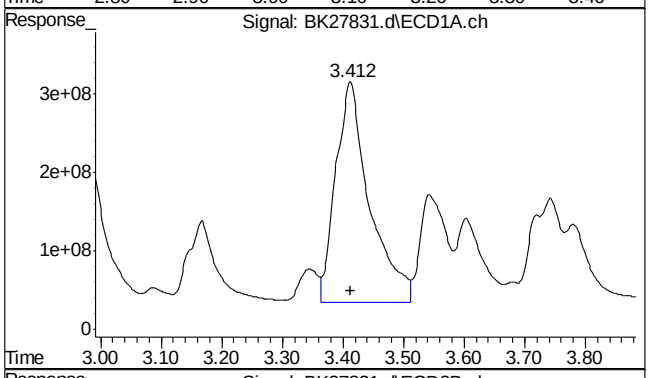
#3 AR1016-B

R.T.: 2.986 min
Delta R.T.: -0.001 min
Response: 4725290763
Conc: 483.97 ppb



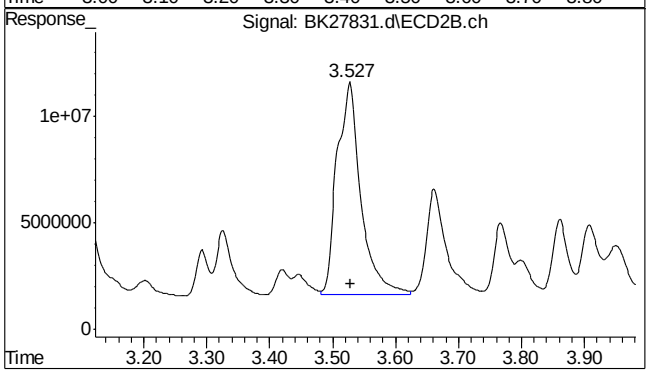
#3 AR1016-B

R.T.: 3.099 min
Delta R.T.: -0.001 min
Response: 129415757
Conc: 481.54 ppb m



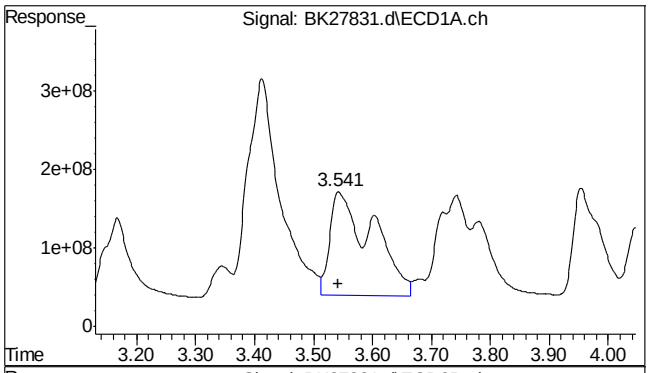
#4 AR1016-C

R.T.: 3.412 min
Delta R.T.: 0.000 min
Response: 10846628311
Conc: 502.85 ppb



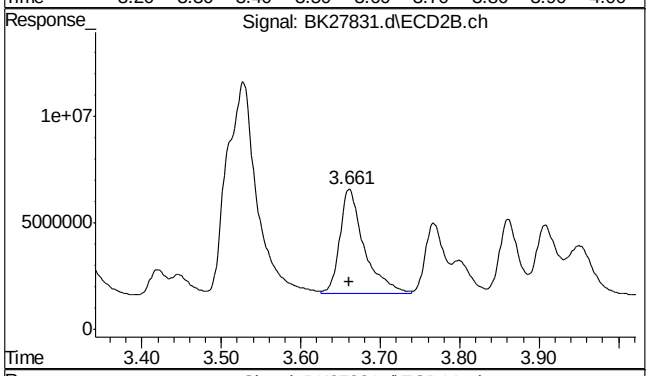
#4 AR1016-C

R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 265614887
Conc: 511.61 ppb m



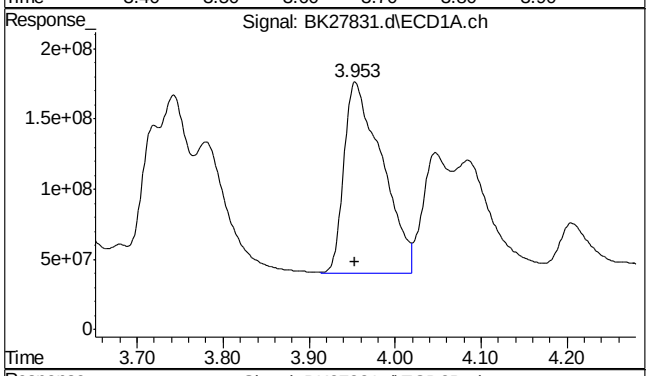
#5 AR1016-D

R.T.: 3.541 min
Delta R.T.: 0.000 min
Response: 6635041596
Conc: 500.07 m



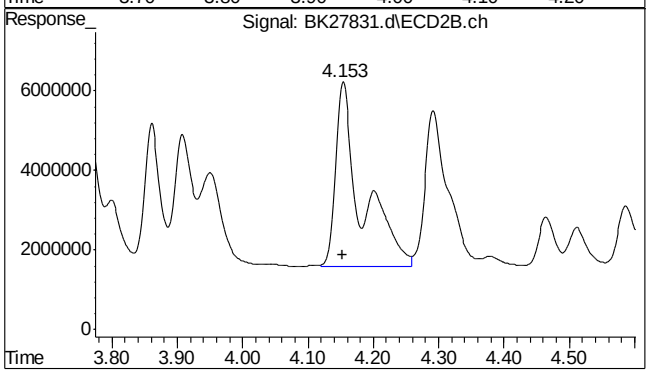
#5 AR1016-D

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 104366968
Conc: 501.36 m



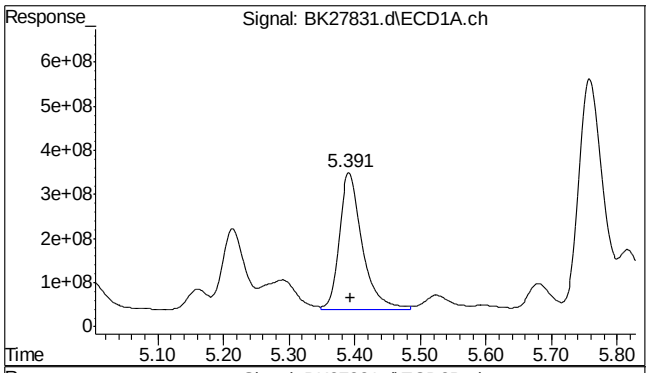
#6 AR1016-E

R.T.: 3.953 min
Delta R.T.: 0.000 min
Response: 4183665898
Conc: 481.18 m



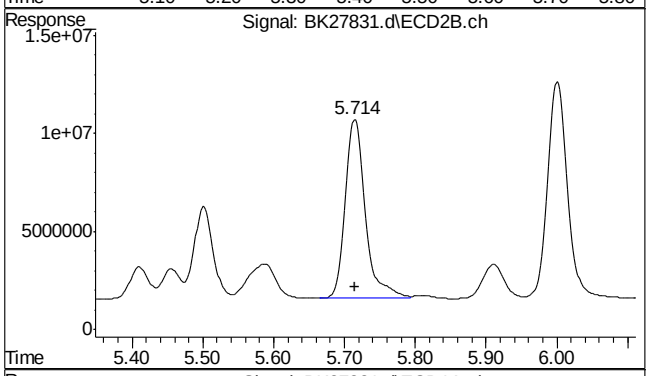
#6 AR1016-E

R.T.: 4.153 min
Delta R.T.: 0.000 min
Response: 126823146
Conc: 506.61 m



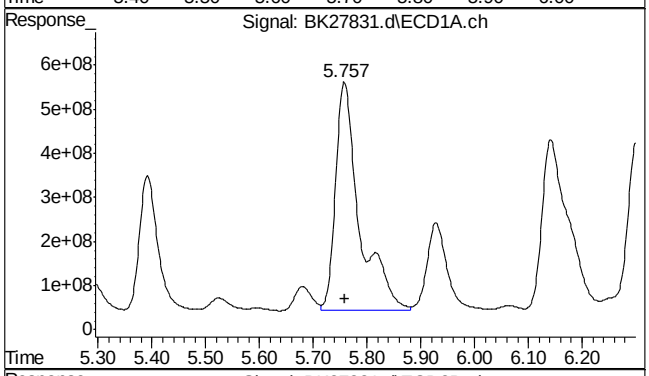
#7 AR1260-A

R.T.: 5.392 min
Delta R.T.: -0.001 min
Response: 7510713491
Conc: 488.17 ppb



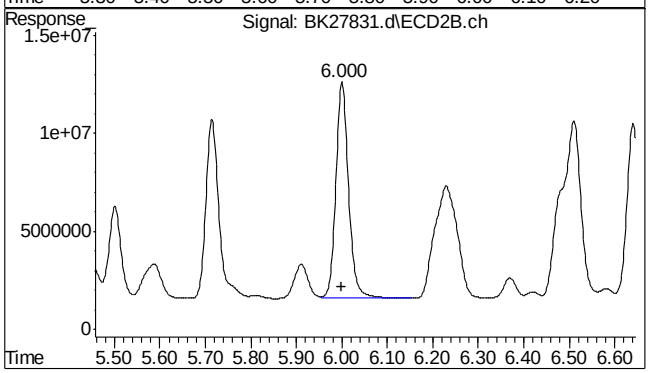
#7 AR1260-A

R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 180538498
Conc: 499.93 ppb m



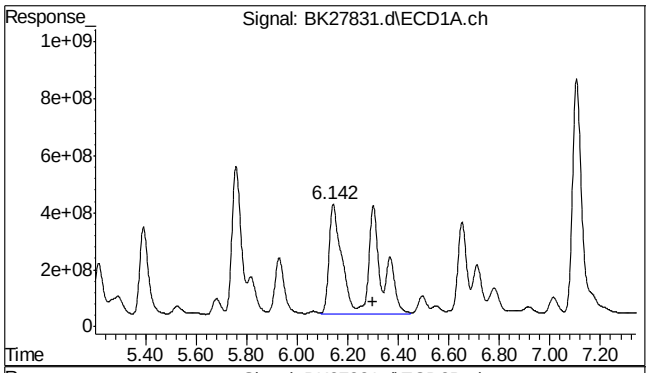
#8 AR1260-B

R.T.: 5.757 min
Delta R.T.: 0.000 min
Response: 15947877000
Conc: 505.44 ppb m



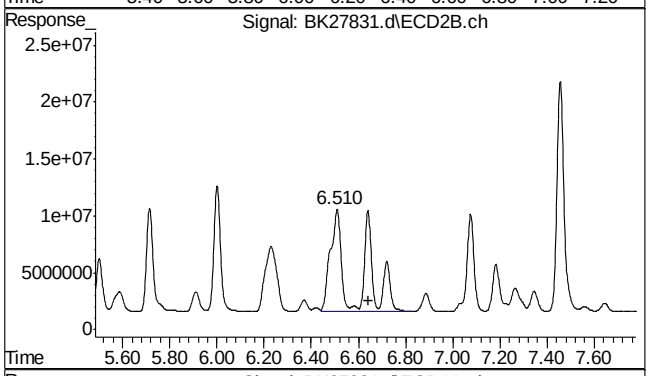
#8 AR1260-B

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 214678013
Conc: 498.57 ppb m



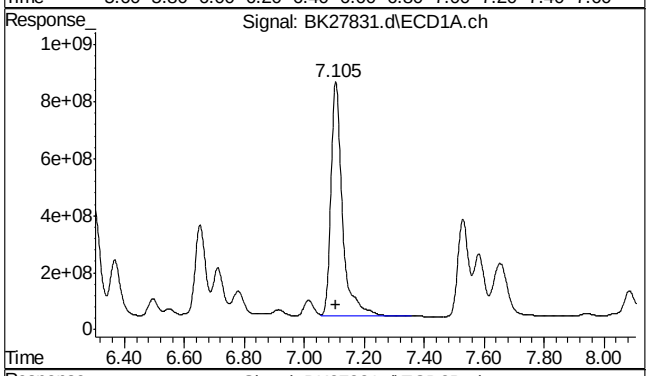
#9 AR1260-C

R.T.: 6.141 min
Delta R.T.: -0.160 min
Response: 27803955821
Conc: 499.15 ppb m



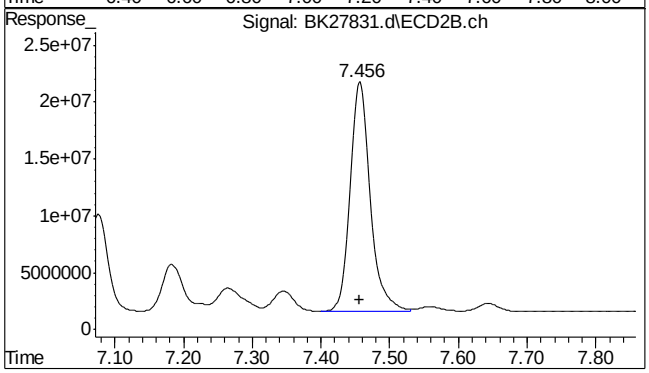
#9 AR1260-C

R.T.: 6.510 min
Delta R.T.: -0.131 min
Response: 551735016
Conc: 506.97 ppb m



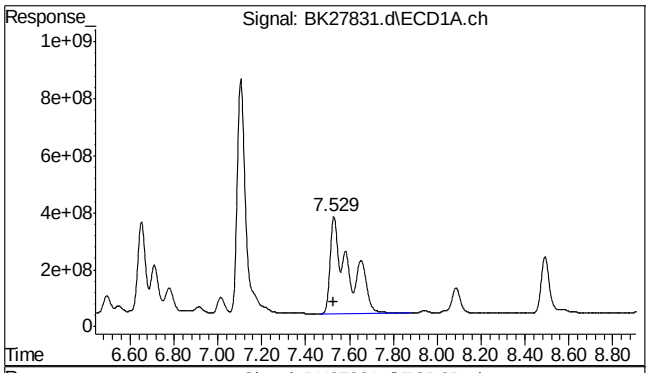
#10 AR1260-D

R.T.: 7.105 min
Delta R.T.: -0.001 min
Response: 22015589504
Conc: 505.53 ppb m



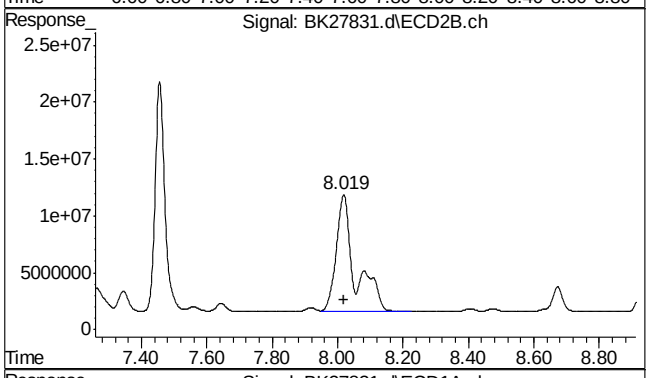
#10 AR1260-D

R.T.: 7.456 min
Delta R.T.: 0.000 min
Response: 416565909
Conc: 501.89 ppb m



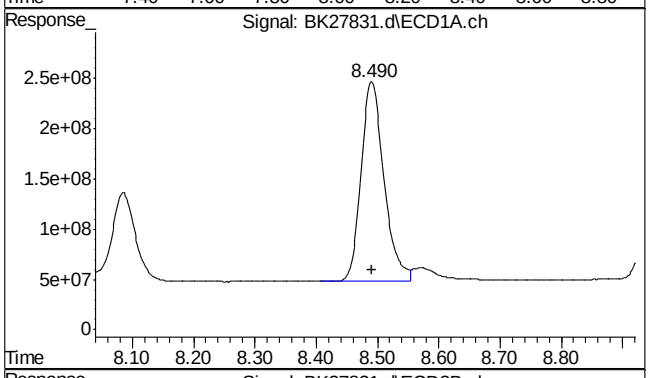
#11 AR1260-E

R.T.: 7.529 min
Delta R.T.: 0.000 min
Response: 20041785416
Conc: 509.00 ppb m



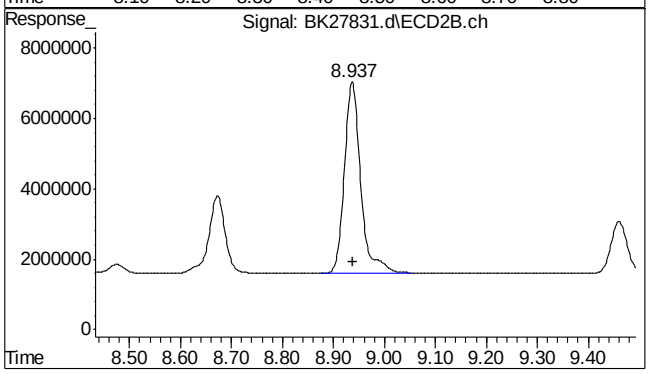
#11 AR1260-E

R.T.: 8.019 min
Delta R.T.: 0.000 min
Response: 410139811
Conc: 508.74 ppb m



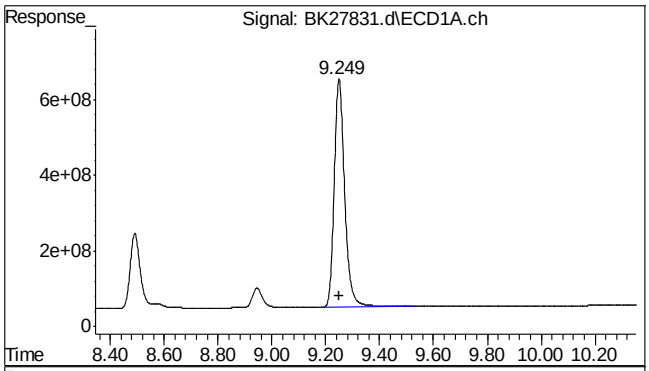
#12 AR1260-F

R.T.: 8.491 min
Delta R.T.: 0.000 min
Response: 5136059456
Conc: 533.64



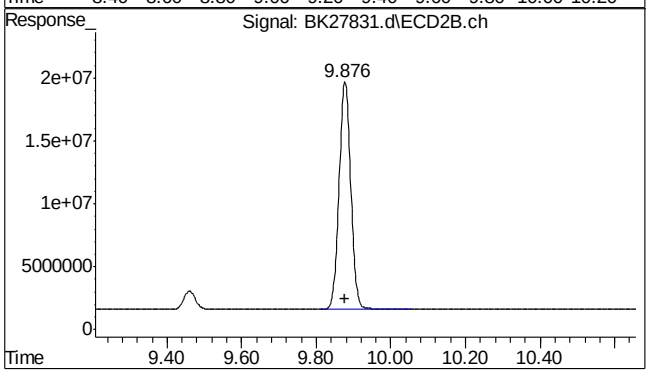
#12 AR1260-F

R.T.: 8.937 min
Delta R.T.: 0.000 min
Response: 121060600
Conc: 526.42



#13 DCB

R.T.: 9.249 min
Delta R.T.: 0.000 min
Response: 16254560016
Conc: 49.95 ppb m



#13 DCB

R.T.: 9.876 min
Delta R.T.: 0.000 min
Response: 392613692
Conc: 50.66 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/19/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130816\
Data File : BK28088.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Aug 2013 4:02 am
Operator : nickk
Sample : cc949-750,a16/60
Misc : op34392,gbk956,15,,,10,,s
ALS Vial : 98 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 08:51:22 2013
Quant Method : C:\msdchem\1\METHODS\PC130816.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.402	2.374	13864.3E6	344.0E6	53.532m	46.137m
	Spiked Amount 40.000			Recovery	= 133.83%	115.34%	
13) s	DCB	9.242	9.880	18015.8E6	346.4E6	56.211m	43.856m
	Spiked Amount 40.000			Recovery	= 140.53%	109.64%	
	Target Compounds						
2)	AR1016-A	2.684	2.759	3022.9E6	74642709	699.997m	597.428m
3)	AR1016-B	2.983	3.104	7224.2E6	163.7E6	739.910m	608.965
4)	AR1016-C	3.409	3.531	16460.5E6	332.6E6	763.111	640.583
5)	AR1016-D	3.537	3.664	9852.9E6	129.6E6	742.593m	622.764m
6)	AR1016-E	3.949	4.156	6631.8E6	155.4E6	762.750m	620.723m
7)	AR1260-A	5.385	5.718	11338.3E6	226.0E6	736.950m	625.692m
8)	AR1260-B	5.751	6.005	24035.2E6	268.8E6	761.751m	624.276m
9)	AR1260-C	6.294	6.644	42454.1E6	700.2E6	762.158m	643.408m
10)	AR1260-D	7.101	7.461	33668.9E6	543.4E6	773.116	654.664m
11)	AR1260-E	7.523	8.023	30971.7E6	515.9E6	786.589m	639.965m
12)	AR1260-F	8.484	8.942	7614.7E6	145.0E6	791.167m	630.439

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9.6.26

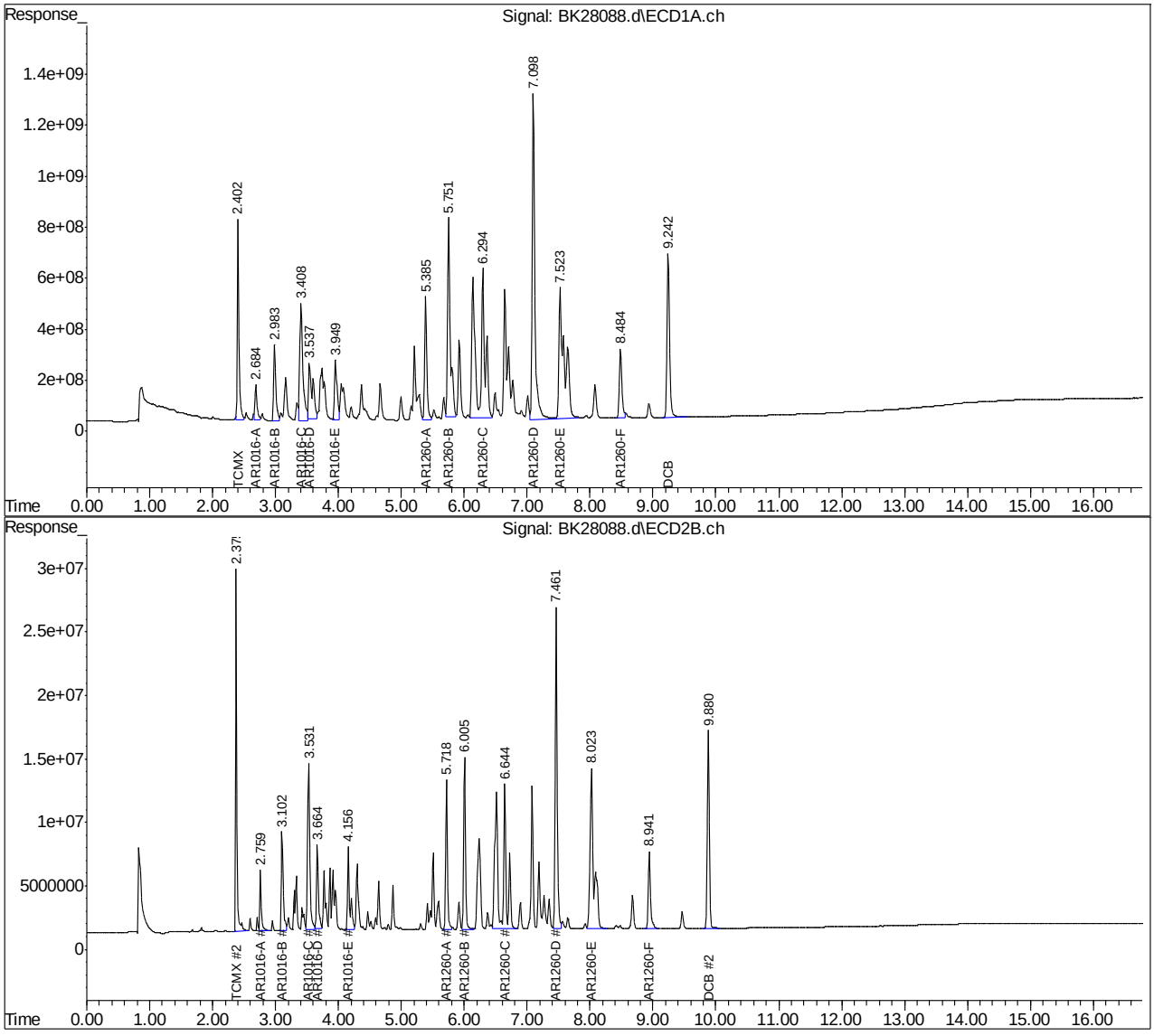
9

Quantitation Report (QT Reviewed)

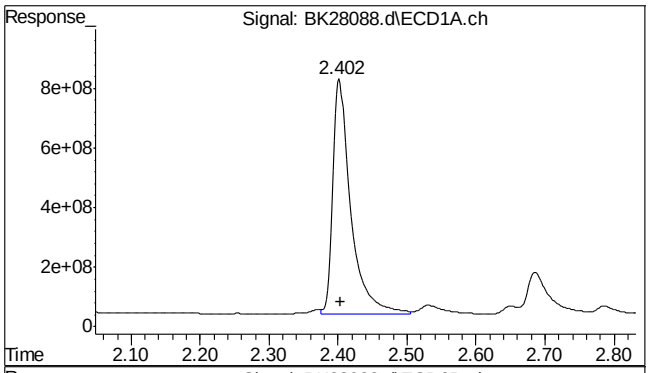
Data Path : C:\msdchem\1\DATA\BK130816\
Data File : BK28088.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Aug 2013 4:02 am
Operator : nickk
Sample : cc949-750,a16/60
Misc : op34392,gbk956,15,,,10,,s
ALS Vial : 98 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 08:51:22 2013
Quant Method : C:\msdchem\1\METHODS\PC130816.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

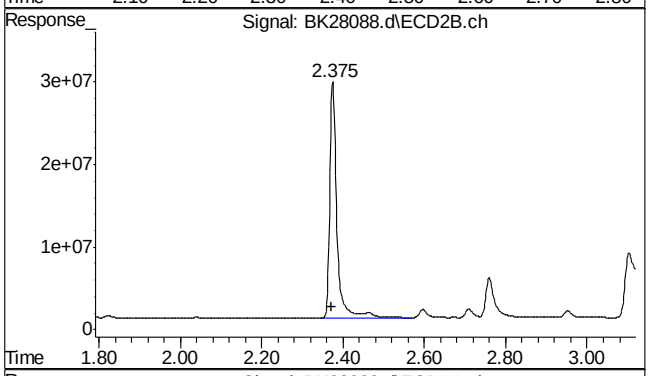


ACCUTEST LABORATORIES MC23456



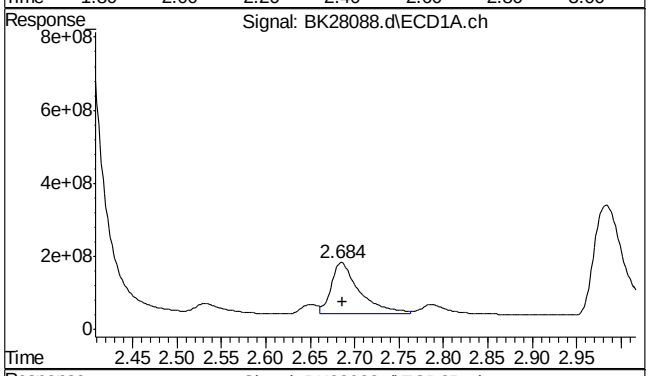
#1 TCMX

R.T.: 2.402 min
Delta R.T.: -0.001 min
Response: 13864281275
Conc: 53.53 ppb m



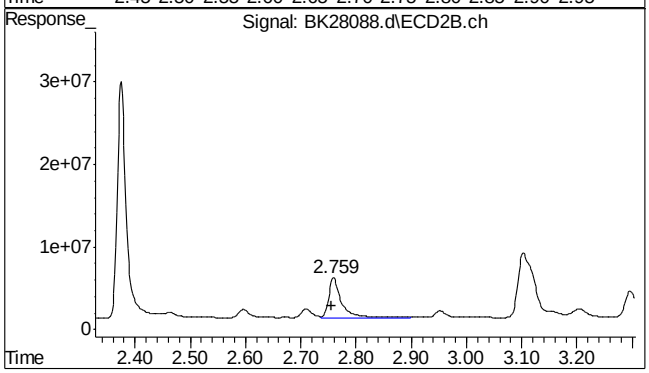
#1 TCMX

R.T.: 2.374 min
Delta R.T.: 0.003 min
Response: 344004490
Conc: 46.14 ppb m



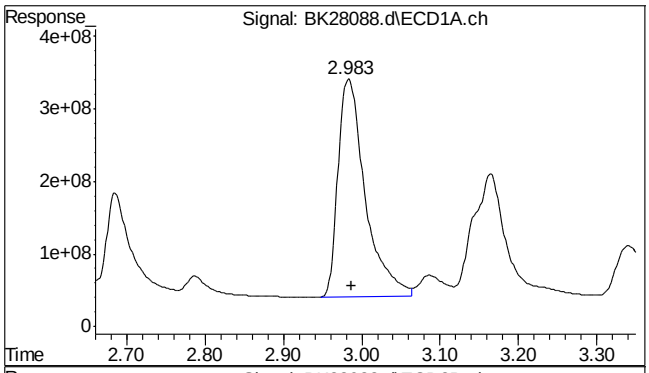
#2 AR1016-A

R.T.: 2.684 min
Delta R.T.: -0.003 min
Response: 3022875626
Conc: 700.00 ppb m



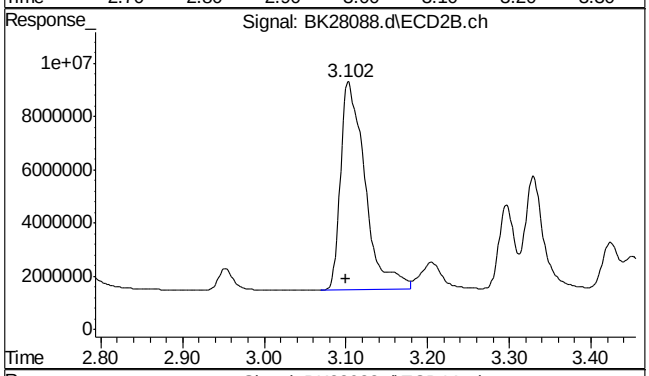
#2 AR1016-A

R.T.: 2.759 min
Delta R.T.: 0.003 min
Response: 74642709
Conc: 597.43 ppb m



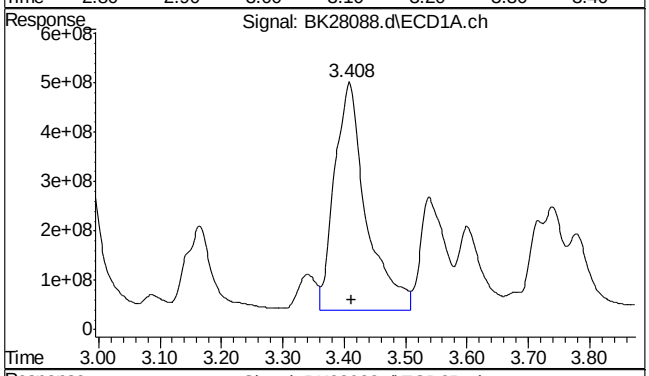
#3 AR1016-B

R.T.: 2.983 min
Delta R.T.: -0.004 min
Response: 7224199385
Conc: 739.91 ppb m



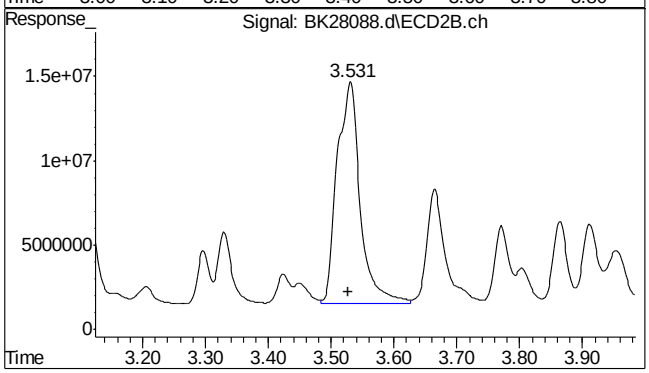
#3 AR1016-B

R.T.: 3.104 min
Delta R.T.: 0.004 min
Response: 163661153
Conc: 608.97 ppb



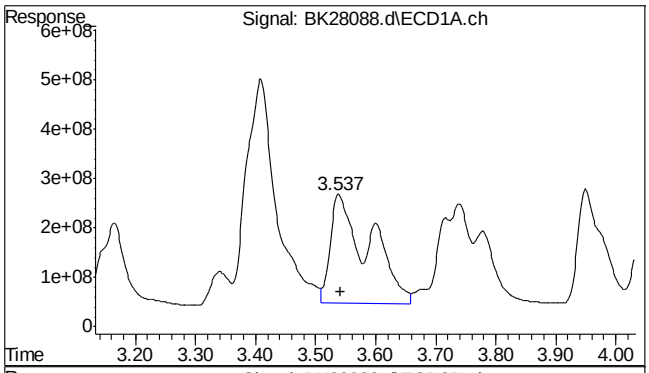
#4 AR1016-C

R.T.: 3.409 min
Delta R.T.: -0.004 min
Response: 16460465730
Conc: 763.11 ppb



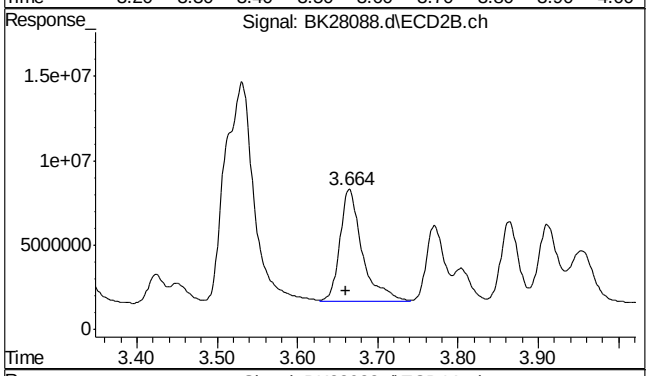
#4 AR1016-C

R.T.: 3.531 min
Delta R.T.: 0.003 min
Response: 332573647
Conc: 640.58 ppb



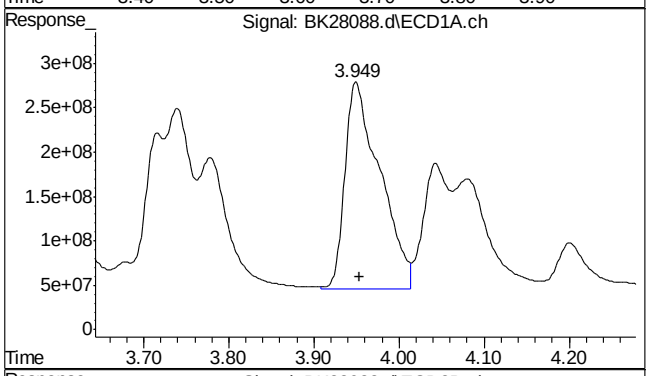
#5 AR1016-D

R.T.: 3.537 min
Delta R.T.: -0.005 min
Response: 9852879395
Conc: 742.59 m



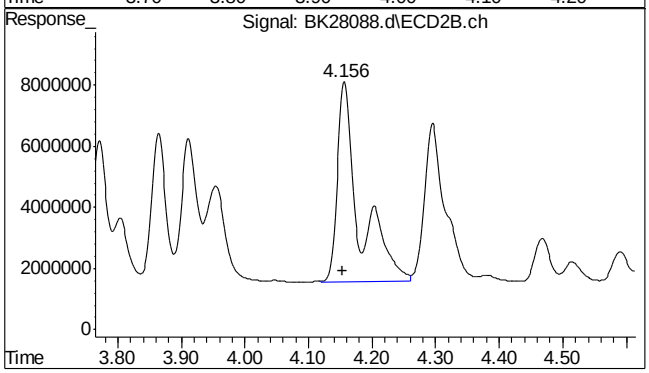
#5 AR1016-D

R.T.: 3.664 min
Delta R.T.: 0.003 min
Response: 129639512
Conc: 622.76 m



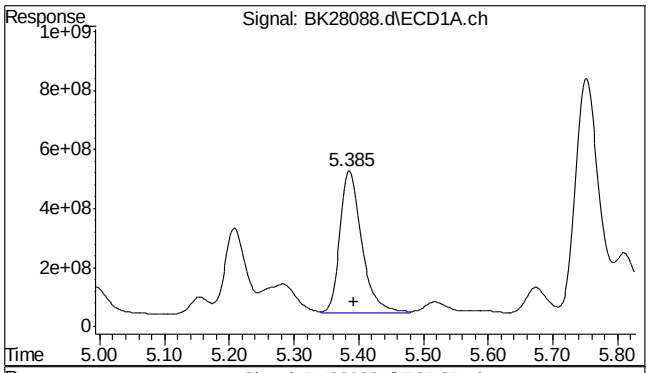
#6 AR1016-E

R.T.: 3.949 min
Delta R.T.: -0.005 min
Response: 6631767788
Conc: 762.75 m



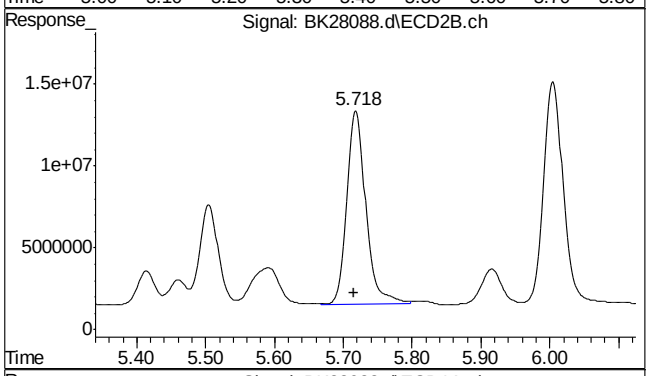
#6 AR1016-E

R.T.: 4.156 min
Delta R.T.: 0.002 min
Response: 155389724
Conc: 620.72 m



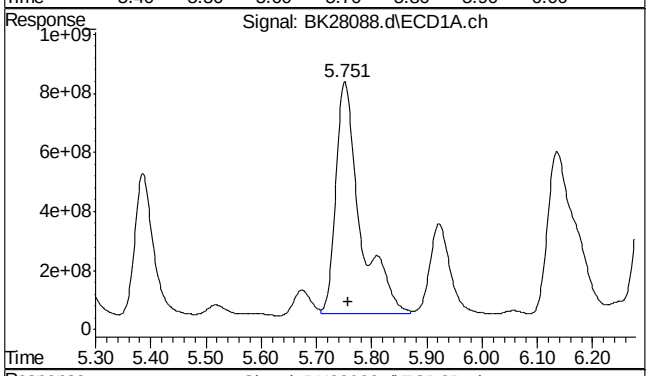
#7 AR1260-A

R.T.: 5.385 min
Delta R.T.: -0.008 min
Response: 11338335784
Conc: 736.95 ppb m



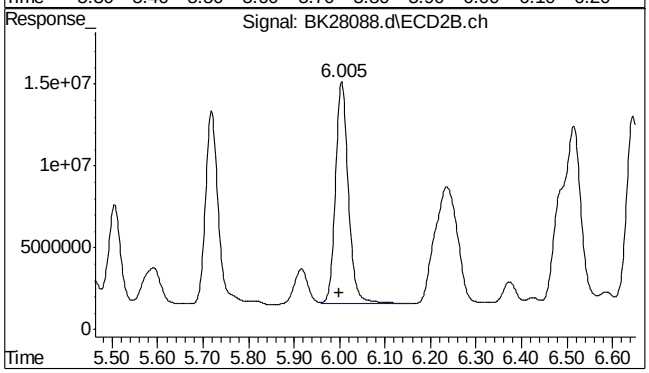
#7 AR1260-A

R.T.: 5.718 min
Delta R.T.: 0.003 min
Response: 225953933
Conc: 625.69 ppb m



#8 AR1260-B

R.T.: 5.751 min
Delta R.T.: -0.007 min
Response: 24035151544
Conc: 761.75 ppb m

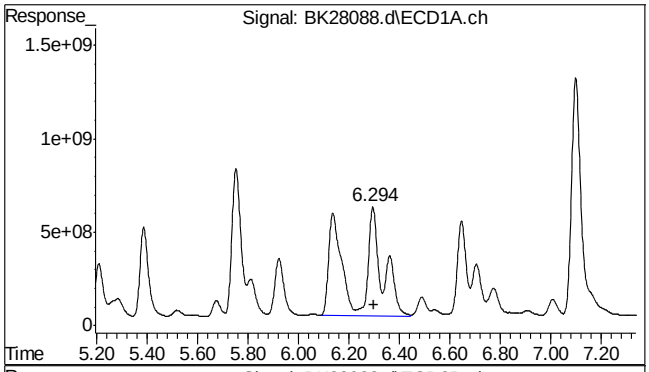


#8 AR1260-B

R.T.: 6.005 min
Delta R.T.: 0.005 min
Response: 268807530
Conc: 624.28 ppb m

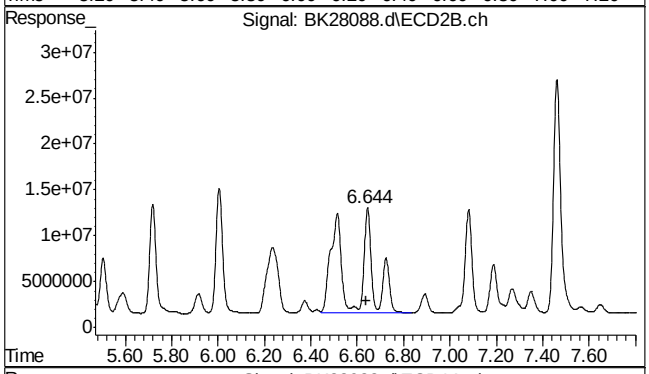
9.6.26

9



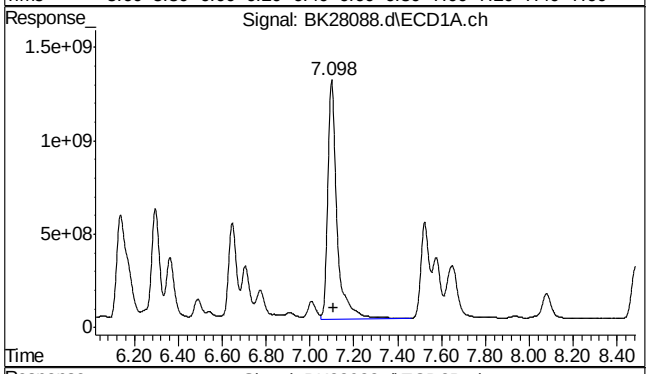
#9 AR1260-C

R.T.: 6.294 min
Delta R.T.: -0.007 min
Response: 42454069031
Conc: 762.16 ppb m



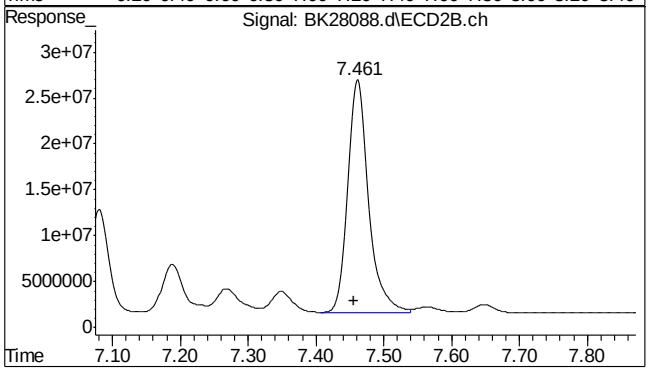
#9 AR1260-C

R.T.: 6.644 min
Delta R.T.: 0.003 min
Response: 700217871
Conc: 643.41 ppb m



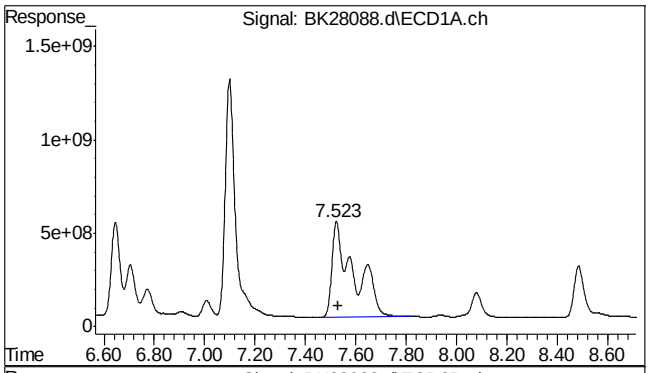
#10 AR1260-D

R.T.: 7.101 min
Delta R.T.: -0.005 min
Response: 33668881650
Conc: 773.12 ppb



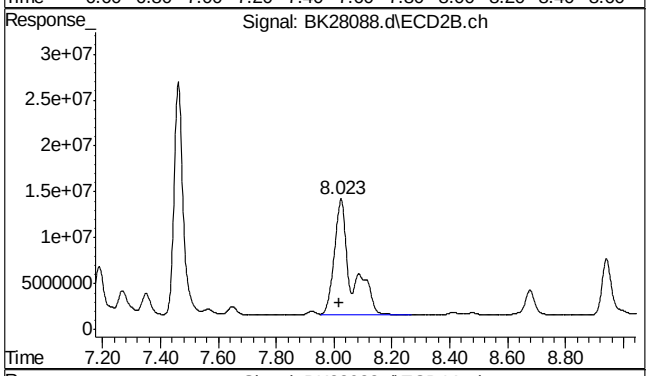
#10 AR1260-D

R.T.: 7.461 min
Delta R.T.: 0.005 min
Response: 543372639
Conc: 654.66 ppb m



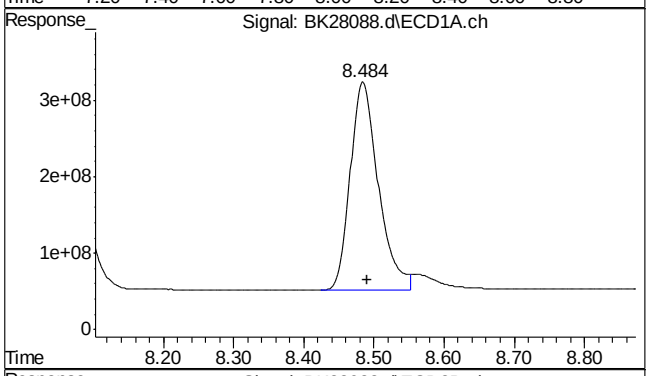
#11 AR1260-E

R.T.: 7.523 min
Delta R.T.: -0.007 min
Response: 30971688606
Conc: 786.59 ppb m



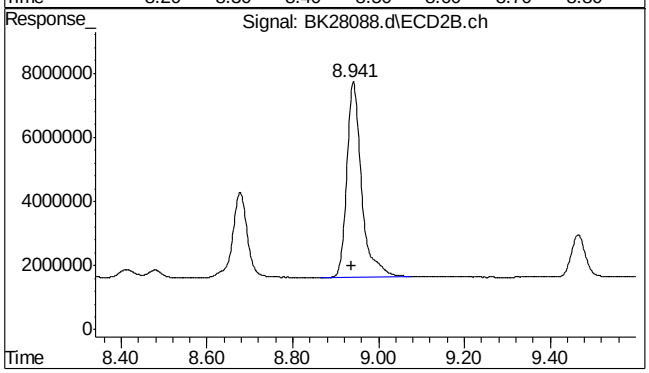
#11 AR1260-E

R.T.: 8.023 min
Delta R.T.: 0.004 min
Response: 515928860
Conc: 639.97 ppb m



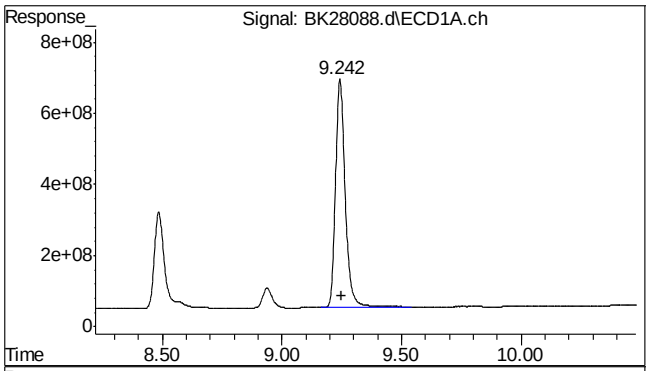
#12 AR1260-F

R.T.: 8.484 min
Delta R.T.: -0.007 min
Response: 7614654994
Conc: 791.17 m



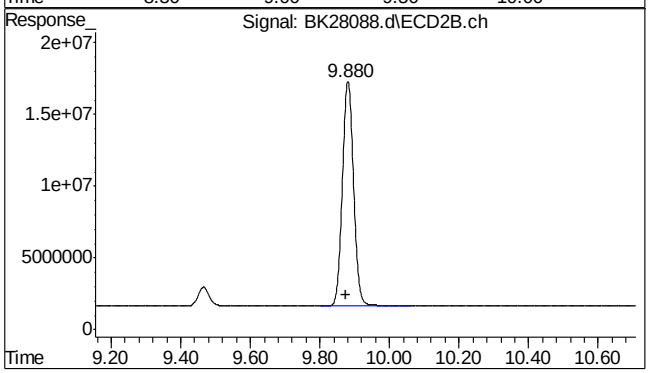
#12 AR1260-F

R.T.: 8.942 min
Delta R.T.: 0.005 min
Response: 144981063
Conc: 630.44



#13 DCB

R.T.: 9.242 min
Delta R.T.: -0.008 min
Response: 18015818151
Conc: 56.21 ppb m



#13 DCB

R.T.: 9.880 min
Delta R.T.: 0.004 min
Response: 346365231
Conc: 43.86 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/19/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130816\
Data File : BK28099.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Aug 2013 7:31 am
Operator : nickk
Sample : cc949-750,a16/60
Misc : op34392,gbk956,15,,,10,,s
ALS Vial : 97 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 08:48:15 2013
Quant Method : C:\msdchem\1\METHODS\PC130816.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.400	2.375	13472.5E6	335.6E6	52.019m	45.007
	Spiked Amount 40.000			Recovery	= 130.05%	112.52%	
13) s	DCB	9.241	9.881	17902.1E6	347.8E6	55.801m	44.058m
	Spiked Amount 40.000			Recovery	= 139.50%	110.15%	
	Target Compounds						
2)	AR1016-A	2.685	2.759	3102.9E6	75274056	718.517	602.482m
3)	AR1016-B	2.984	3.103	6968.6E6	164.4E6	713.734	611.707m
4)	AR1016-C	3.409	3.531	15379.0E6	318.7E6	712.974	613.800m
5)	AR1016-D	3.538	3.665	9147.1E6	124.6E6	689.401m	598.663m
6)	AR1016-E	3.950	4.157	6012.6E6	152.5E6	691.531m	609.229m
7)	AR1260-A	5.387	5.720	11293.2E6	223.8E6	734.013	619.781m
8)	AR1260-B	5.752	6.006	23198.0E6	268.4E6	735.218m	623.355m
9)	AR1260-C	6.295	6.646	40974.5E6	691.3E6	735.597m	635.223m
10)	AR1260-D	7.101	7.462	31934.1E6	529.5E6	733.282	637.895m
11)	AR1260-E	7.523	8.025	29543.1E6	506.0E6	750.306m	627.662m
12)	AR1260-F	8.484	8.944	7234.0E6	141.4E6	751.621m	615.046

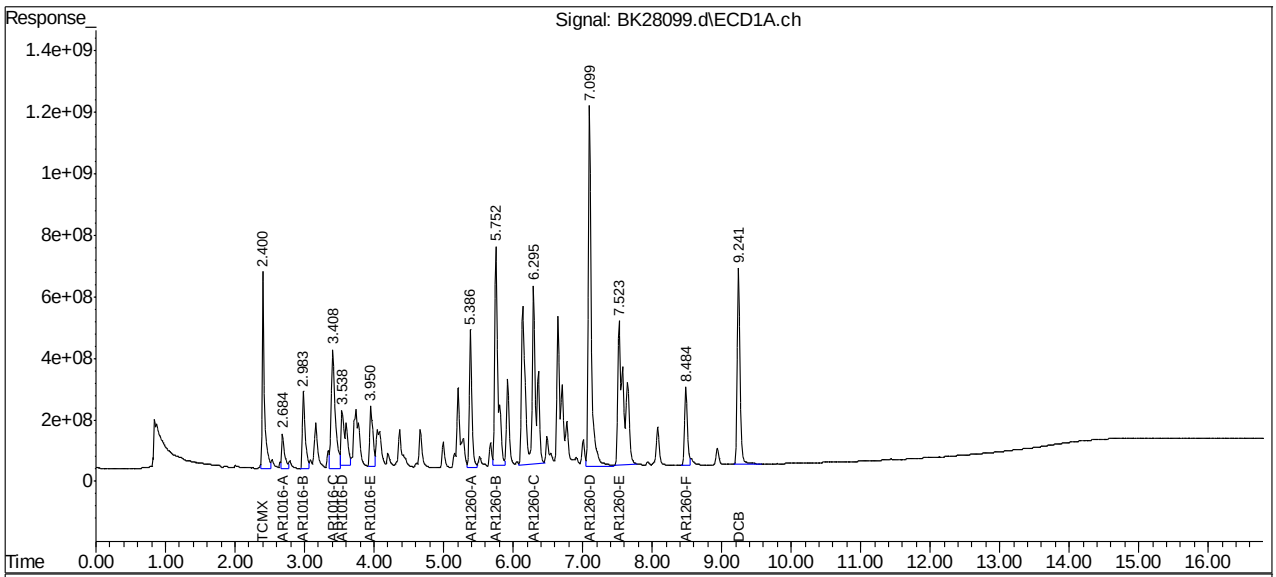
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

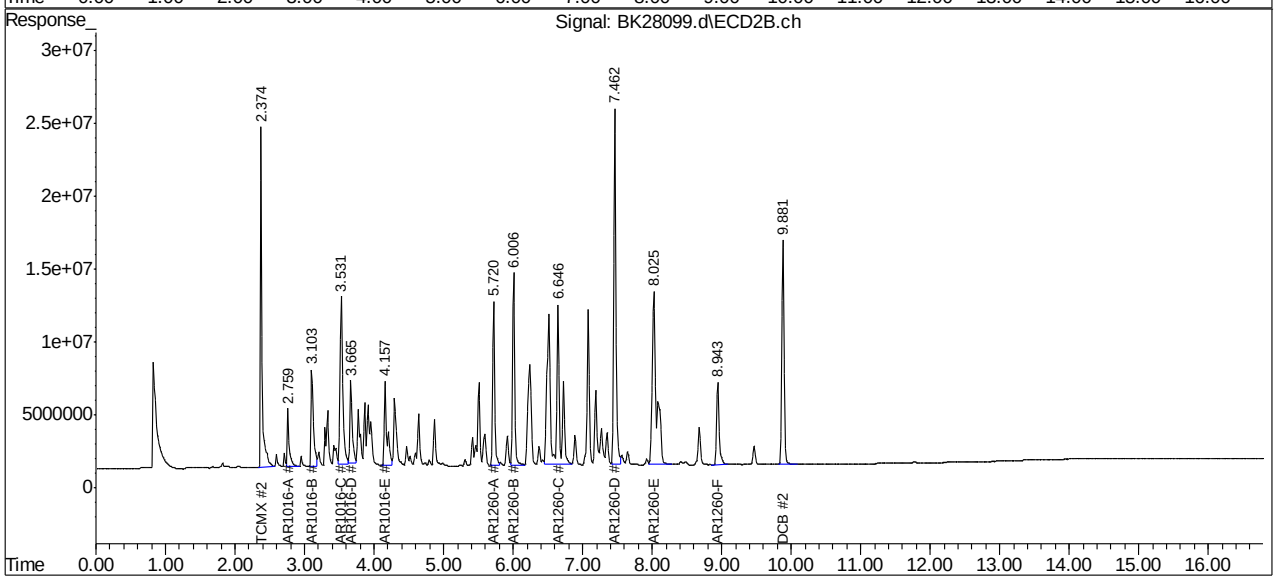
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130816\
Data File : BK28099.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Aug 2013 7:31 am
Operator : nickk
Sample : cc949-750,a16/60
Misc : op34392,gbk956,15,,,10,,s
ALS Vial : 97 Sample Multiplier: 1

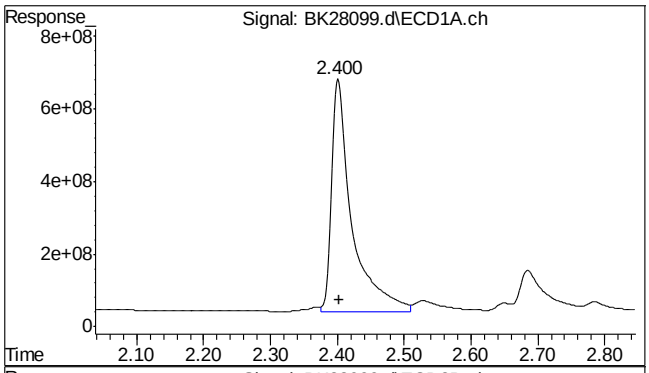
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 08:48:15 2013
Quant Method : C:\msdchem\1\METHODS\PC130816.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



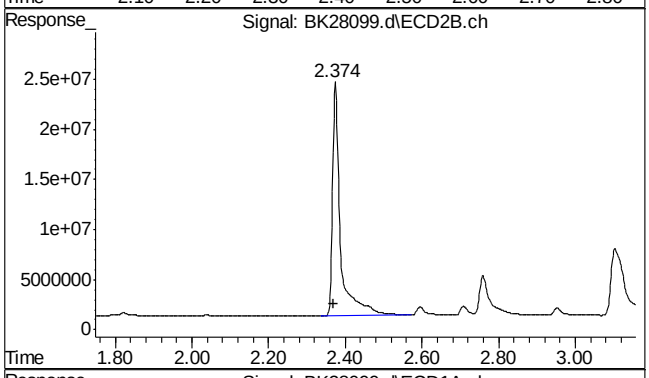


ACCUTEST LABORATORIES MC23456



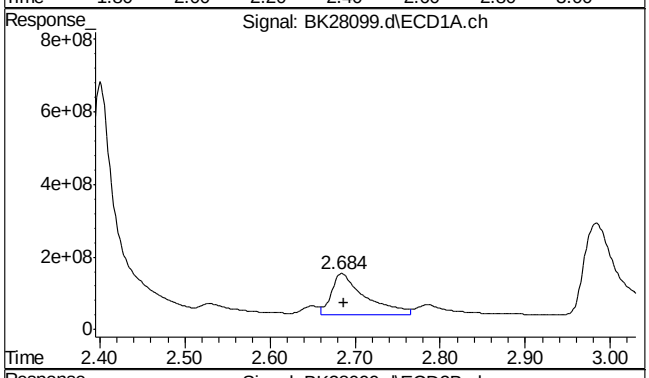
#1 TCMX

R.T.: 2.400 min
Delta R.T.: -0.003 min
Response: 13472473592
Conc: 52.02 ppb m



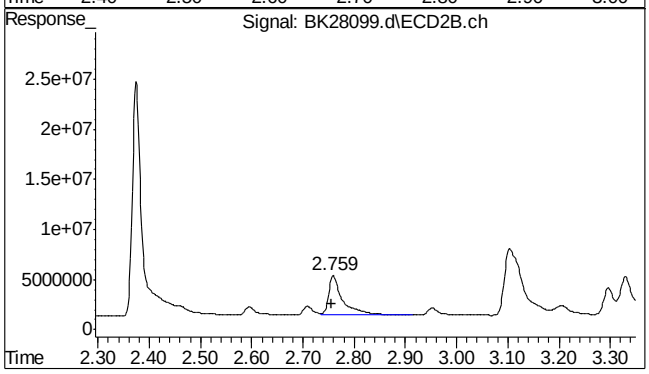
#1 TCMX

R.T.: 2.375 min
Delta R.T.: 0.004 min
Response: 335583018
Conc: 45.01 ppb



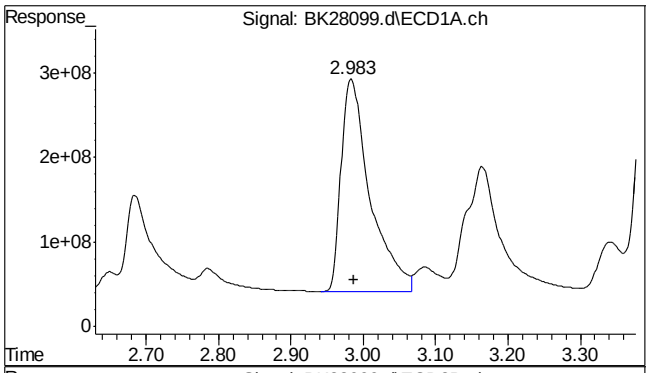
#2 AR1016-A

R.T.: 2.685 min
Delta R.T.: -0.002 min
Response: 3102850911
Conc: 718.52 ppb



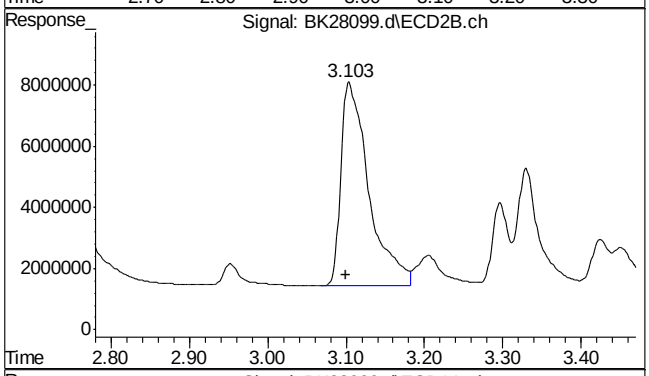
#2 AR1016-A

R.T.: 2.759 min
Delta R.T.: 0.003 min
Response: 75274056
Conc: 602.48 ppb m



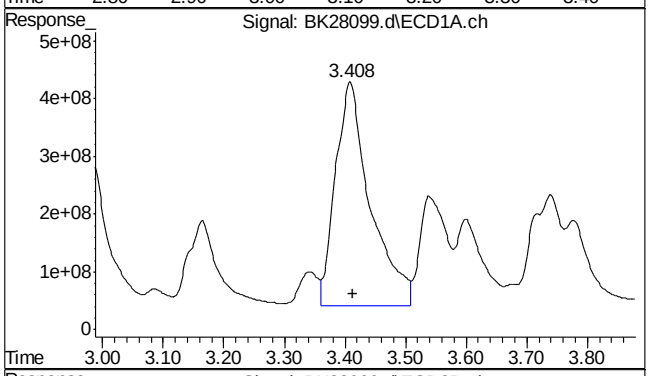
#3 AR1016-B

R.T.: 2.984 min
Delta R.T.: -0.003 min
Response: 6968634214
Conc: 713.73 ppb



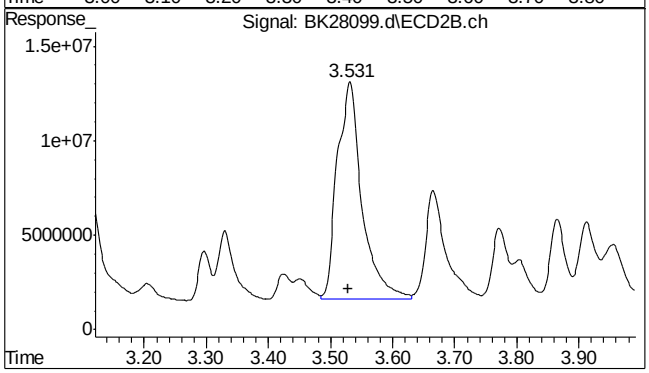
#3 AR1016-B

R.T.: 3.103 min
Delta R.T.: 0.003 min
Response: 164398038
Conc: 611.71 ppb m



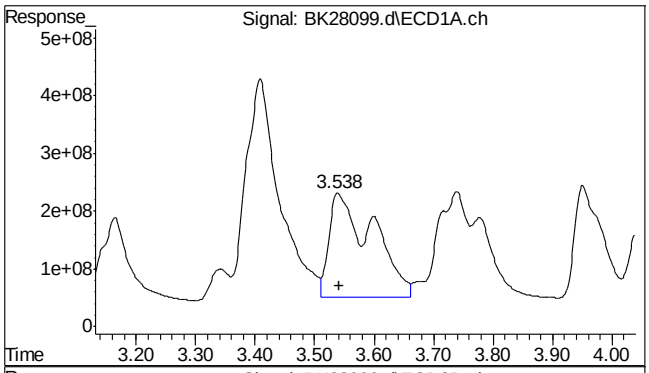
#4 AR1016-C

R.T.: 3.409 min
Delta R.T.: -0.004 min
Response: 15378993413
Conc: 712.97 ppb



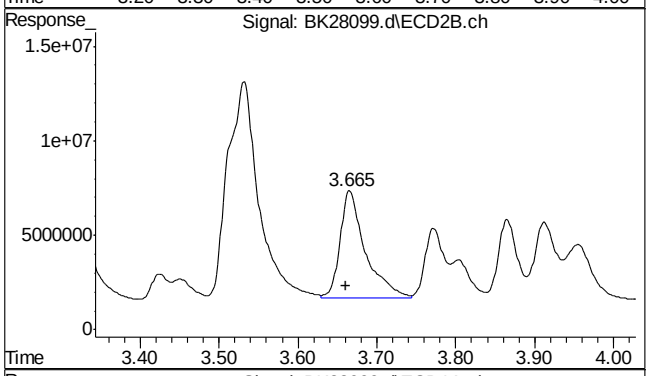
#4 AR1016-C

R.T.: 3.531 min
Delta R.T.: 0.003 min
Response: 318668681
Conc: 613.80 ppb m



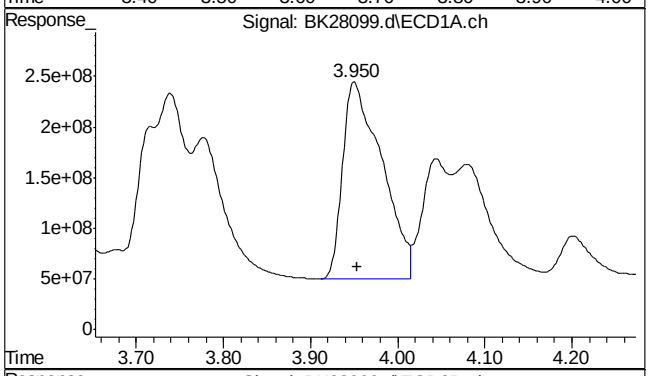
#5 AR1016-D

R.T.: 3.538 min
Delta R.T.: -0.004 min
Response: 9147119877
Conc: 689.40 m



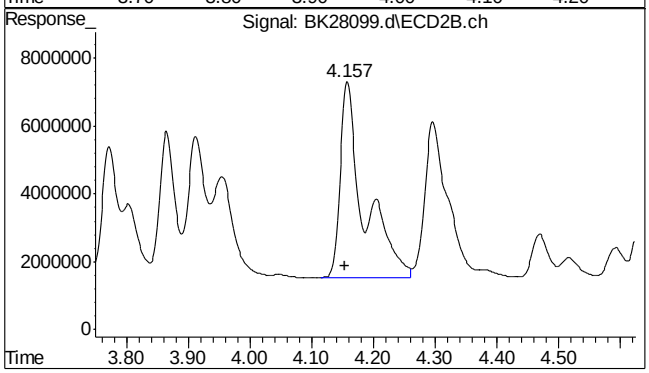
#5 AR1016-D

R.T.: 3.665 min
Delta R.T.: 0.004 min
Response: 124622447
Conc: 598.66 m



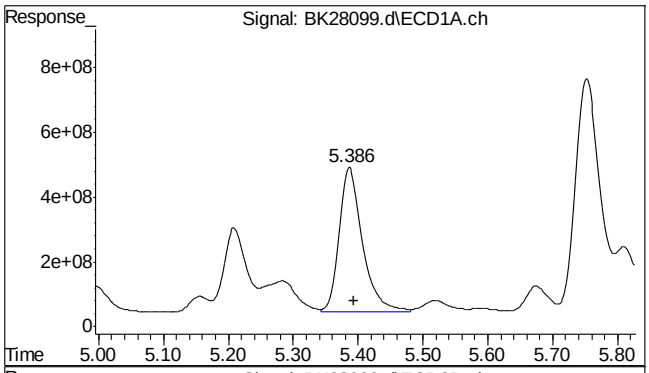
#6 AR1016-E

R.T.: 3.950 min
Delta R.T.: -0.004 min
Response: 6012551872
Conc: 691.53 m



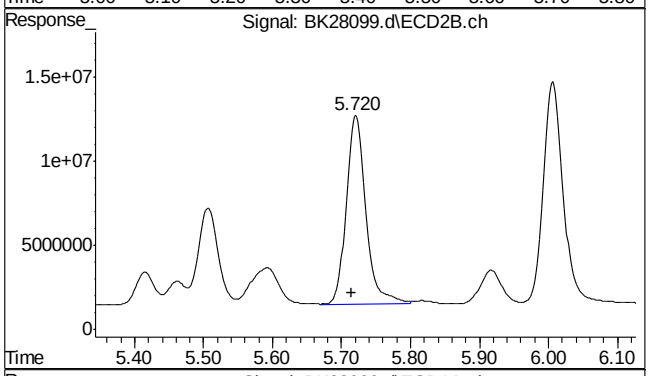
#6 AR1016-E

R.T.: 4.157 min
Delta R.T.: 0.003 min
Response: 152512344
Conc: 609.23 m



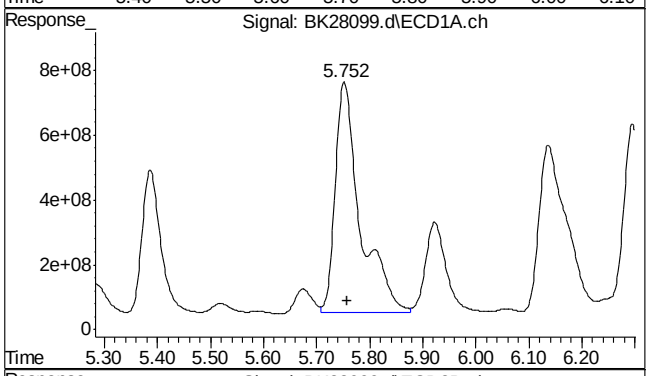
#7 AR1260-A

R.T.: 5.387 min
Delta R.T.: -0.006 min
Response: 11293153364
Conc: 734.01 ppb



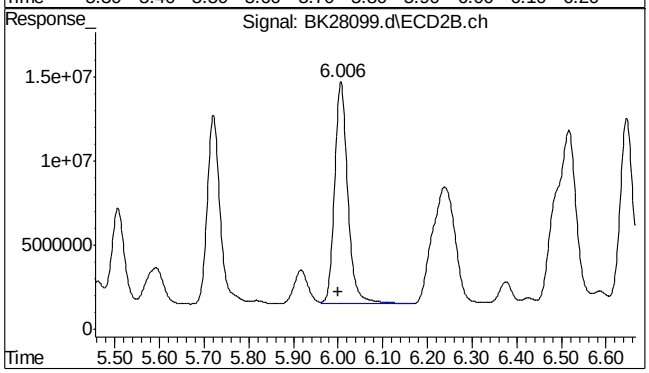
#7 AR1260-A

R.T.: 5.720 min
Delta R.T.: 0.005 min
Response: 223819301
Conc: 619.78 ppb m



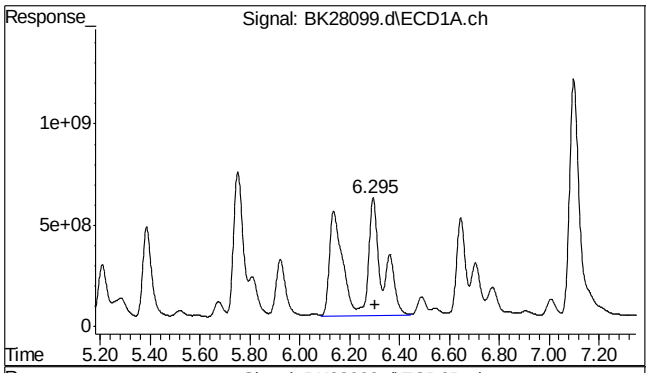
#8 AR1260-B

R.T.: 5.752 min
Delta R.T.: -0.006 min
Response: 23197969791
Conc: 735.22 ppb m



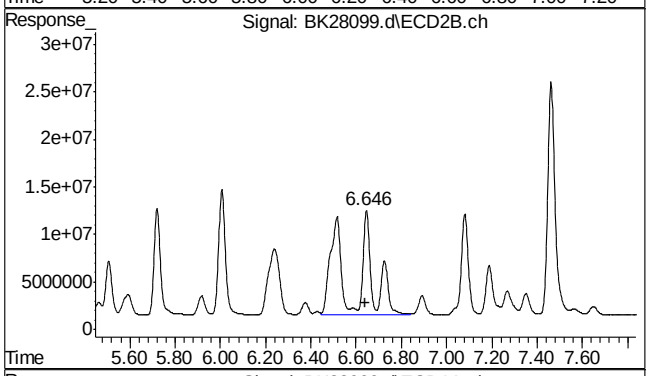
#8 AR1260-B

R.T.: 6.006 min
Delta R.T.: 0.006 min
Response: 268411042
Conc: 623.36 ppb m



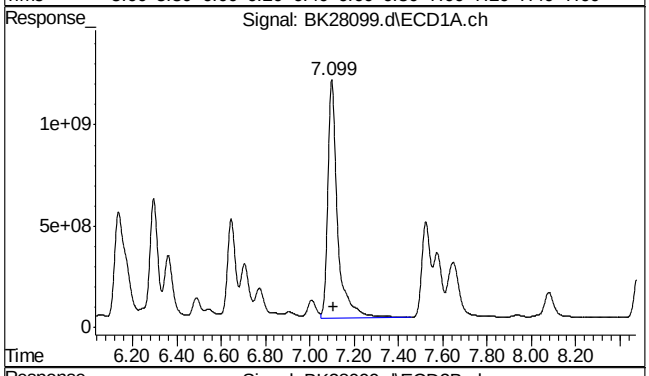
#9 AR1260-C

R.T.: 6.295 min
Delta R.T.: -0.006 min
Response: 40974532561
Conc: 735.60 ppb m



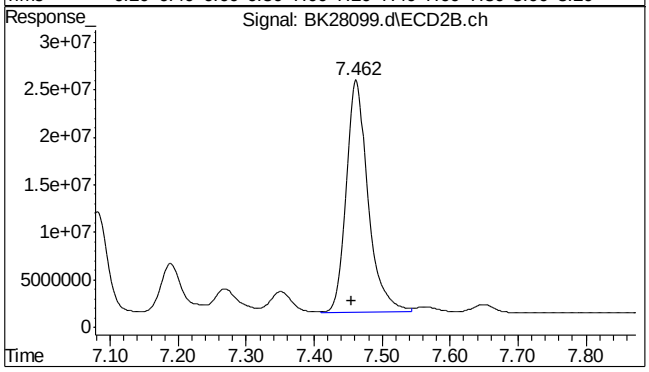
#9 AR1260-C

R.T.: 6.646 min
Delta R.T.: 0.005 min
Response: 691310353
Conc: 635.22 ppb m



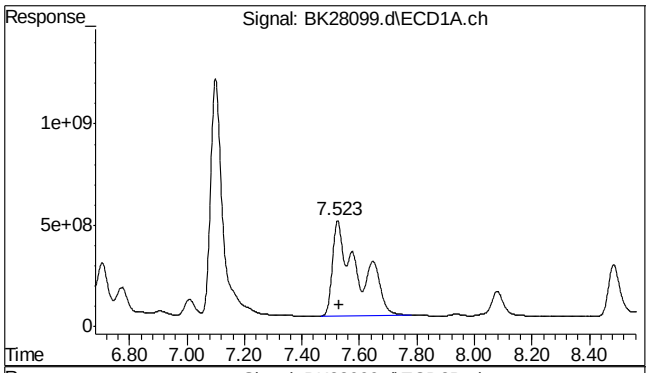
#10 AR1260-D

R.T.: 7.101 min
Delta R.T.: -0.005 min
Response: 31934130827
Conc: 733.28 ppb



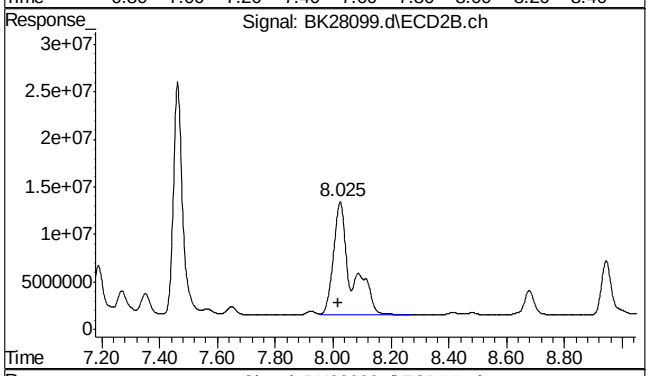
#10 AR1260-D

R.T.: 7.462 min
Delta R.T.: 0.006 min
Response: 529454847
Conc: 637.90 ppb m



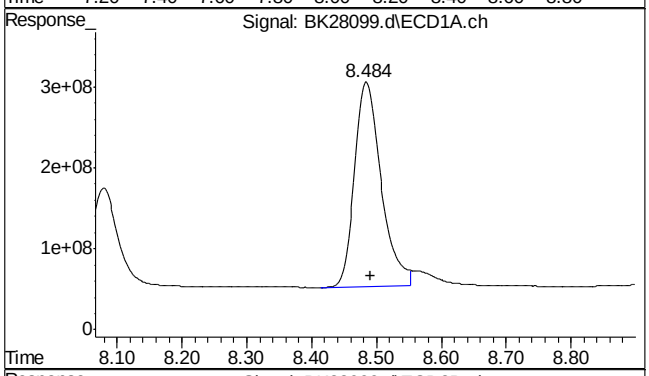
#11 AR1260-E

R.T.: 7.523 min
Delta R.T.: -0.007 min
Response: 29543063398
Conc: 750.31 ppb m



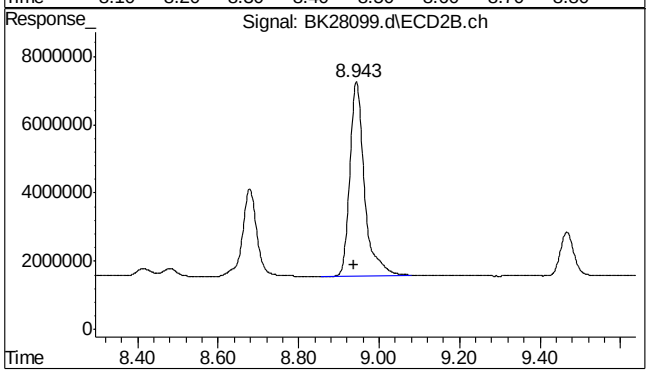
#11 AR1260-E

R.T.: 8.025 min
Delta R.T.: 0.006 min
Response: 506010558
Conc: 627.66 ppb m



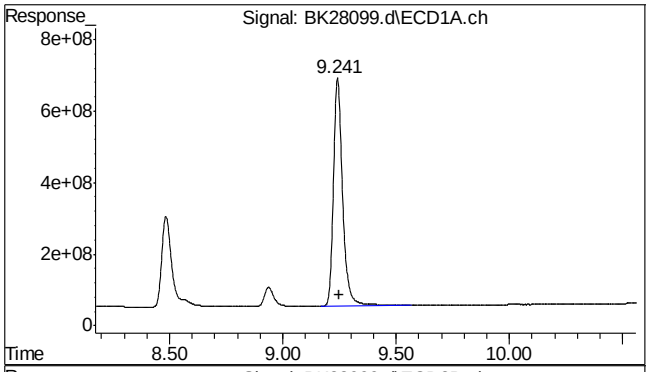
#12 AR1260-F

R.T.: 8.484 min
Delta R.T.: -0.007 min
Response: 7234041178
Conc: 751.62 m



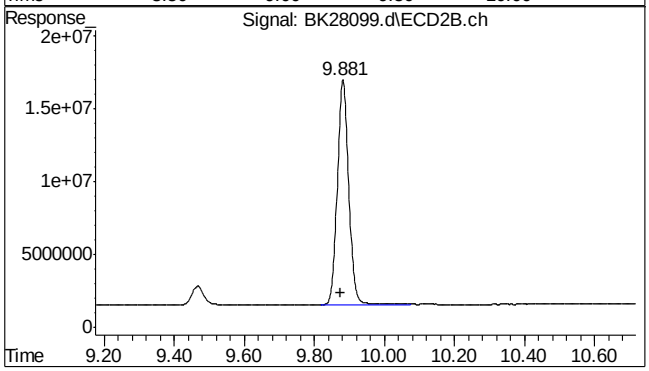
#12 AR1260-F

R.T.: 8.944 min
Delta R.T.: 0.007 min
Response: 141441045
Conc: 615.05



#13 DCB

R.T.: 9.241 min
Delta R.T.: -0.009 min
Response: 17902116585
Conc: 55.80 ppb m



#13 DCB

R.T.: 9.881 min
Delta R.T.: 0.005 min
Response: 347769118
Conc: 44.06 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/19/13 16:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130816\
Data File : BK28102.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Aug 2013 8:28 am
Operator : nickk
Sample : ecc949-750,a16/60
Misc : op34392,gbk956,15,,,10,,s
ALS Vial : 97 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 08:43:35 2013
Quant Method : C:\msdchem\1\METHODS\PC130816.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.400	2.374	13938.9E6	334.5E6	53.820m	44.868m
	Spiked Amount 40.000			Recovery	= 134.55%	112.17%	
13) s	DCB	9.241	9.882	16910.1E6	325.4E6	52.257m	40.870
	Spiked Amount 40.000			Recovery	= 130.64%	102.18%	
	Target Compounds						
2)	AR1016-A	2.684	2.759	3216.2E6	74745816	744.755	598.254m
3)	AR1016-B	2.983	3.104	7148.0E6	162.0E6	732.106	602.877
4)	AR1016-C	3.407	3.531	15855.3E6	318.6E6	735.057	613.651m
5)	AR1016-D	3.536	3.665	9815.7E6	123.7E6	739.789m	594.117m
6)	AR1016-E	3.949	4.157	6305.7E6	150.5E6	725.242m	601.262m
7)	AR1260-A	5.385	5.719	11264.1E6	218.4E6	732.123	604.664m
8)	AR1260-B	5.750	6.005	23380.7E6	264.4E6	741.011m	614.025m
9)	AR1260-C	6.293	6.645	41169.6E6	675.8E6	739.099m	620.943m
10)	AR1260-D	7.101	7.461	31079.8E6	515.7E6	713.664	621.300m
11)	AR1260-E	7.521	8.023	29175.6E6	492.5E6	740.974m	610.940m
12)	AR1260-F	8.482	8.943	7057.0E6	136.5E6	733.222m	593.392

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9.6.28

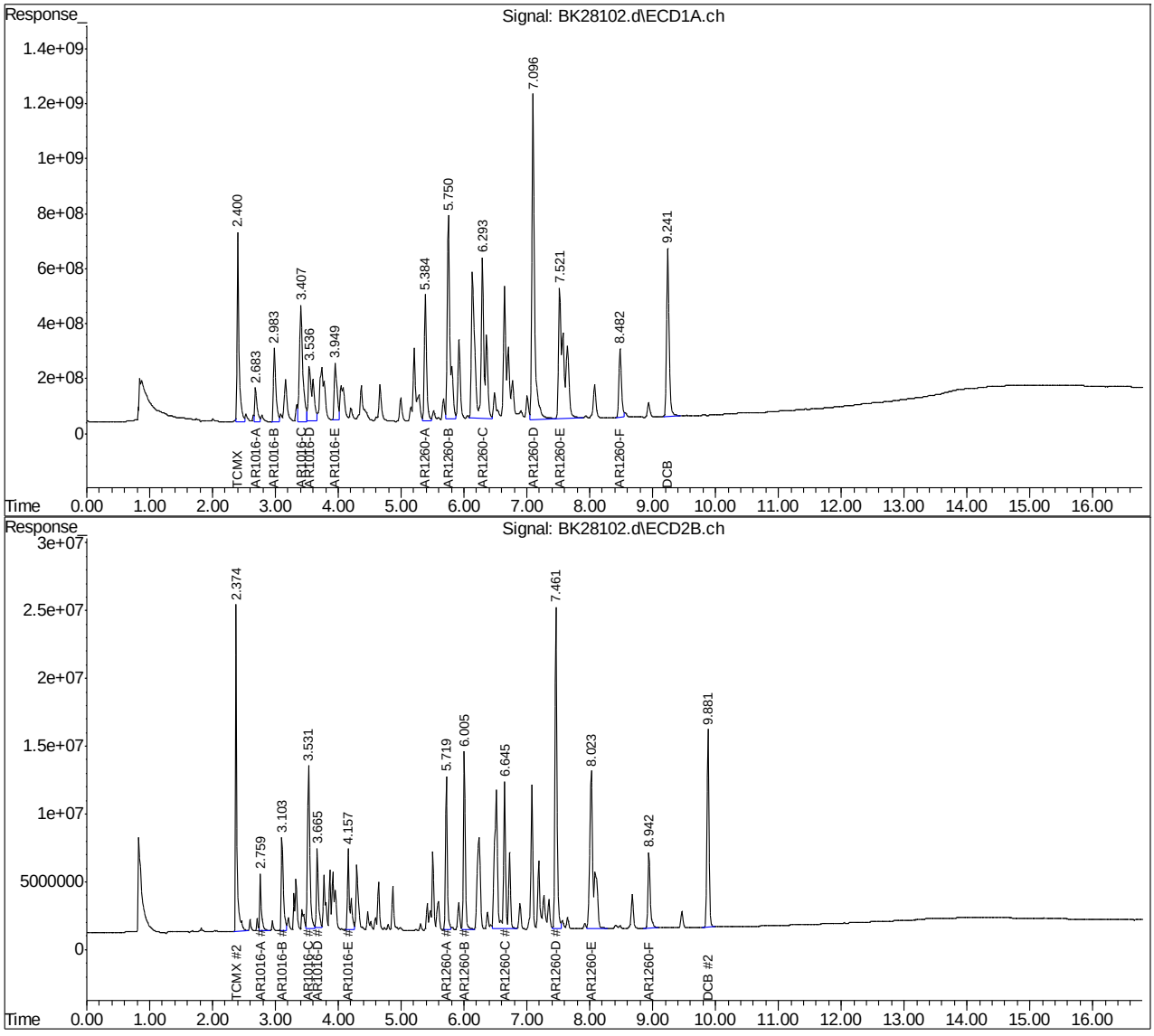
9

Quantitation Report (QT Reviewed)

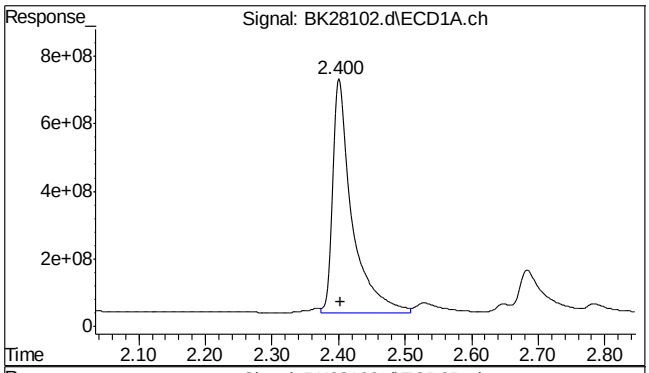
Data Path : C:\msdchem\1\DATA\BK130816\
Data File : BK28102.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Aug 2013 8:28 am
Operator : nickk
Sample : ecc949-750,a16/60
Misc : op34392,gbk956,15,,,10,,s
ALS Vial : 97 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 08:43:35 2013
Quant Method : C:\msdchem\1\METHODS\PC130816.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

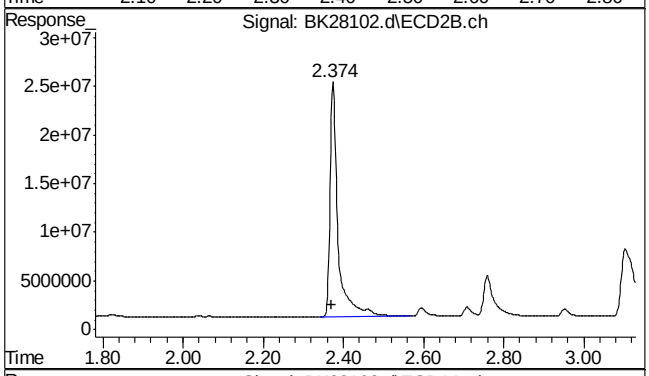


ACCUTEST LABORATORIES MC23456



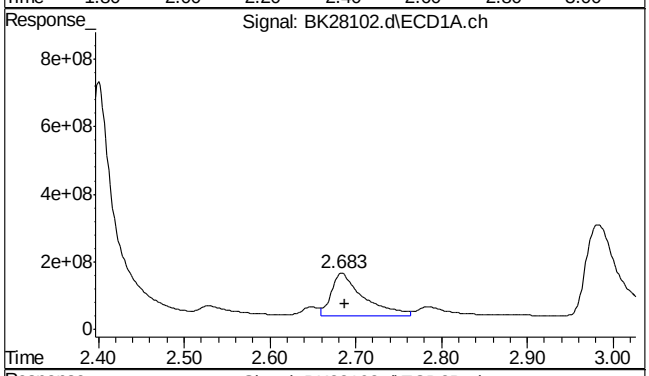
#1 TCMX

R.T.: 2.400 min
Delta R.T.: -0.003 min
Response: 13938909841
Conc: 53.82 ppb m



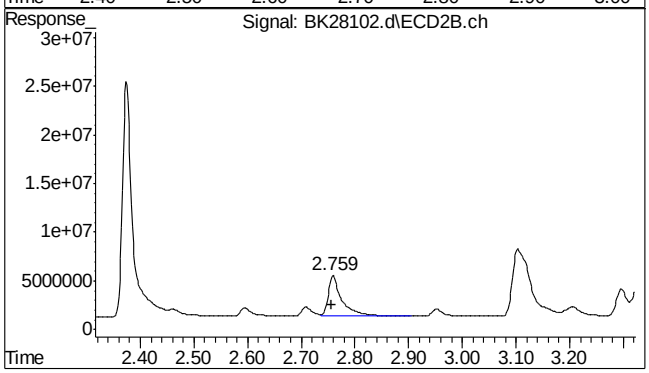
#1 TCMX

R.T.: 2.374 min
Delta R.T.: 0.003 min
Response: 334540427
Conc: 44.87 ppb m



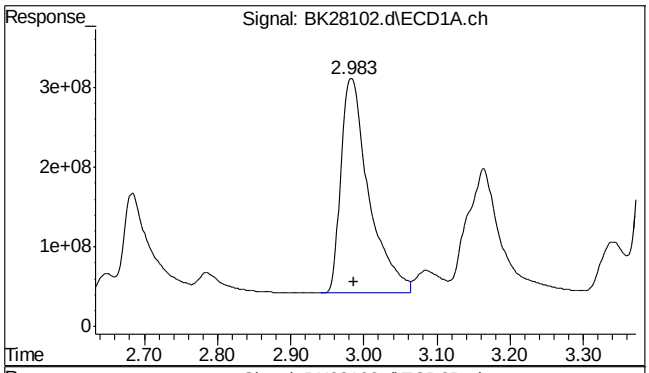
#2 AR1016-A

R.T.: 2.684 min
Delta R.T.: -0.003 min
Response: 3216157993
Conc: 744.75 ppb



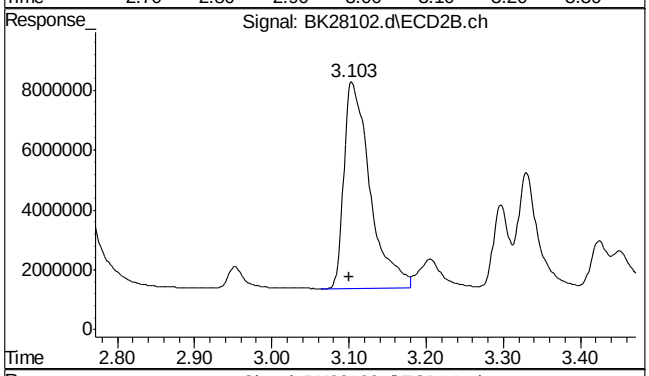
#2 AR1016-A

R.T.: 2.759 min
Delta R.T.: 0.003 min
Response: 74745816
Conc: 598.25 ppb m



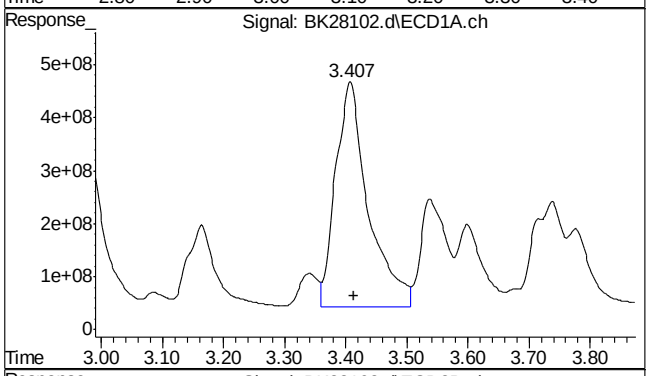
#3 AR1016-B

R.T.: 2.983 min
Delta R.T.: -0.004 min
Response: 7148008437
Conc: 732.11 ppb



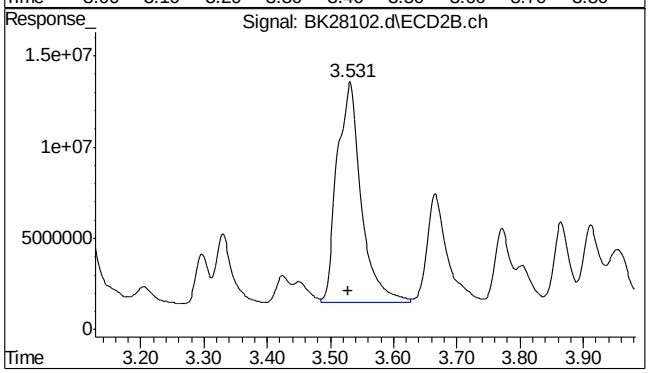
#3 AR1016-B

R.T.: 3.104 min
Delta R.T.: 0.004 min
Response: 162025054
Conc: 602.88 ppb



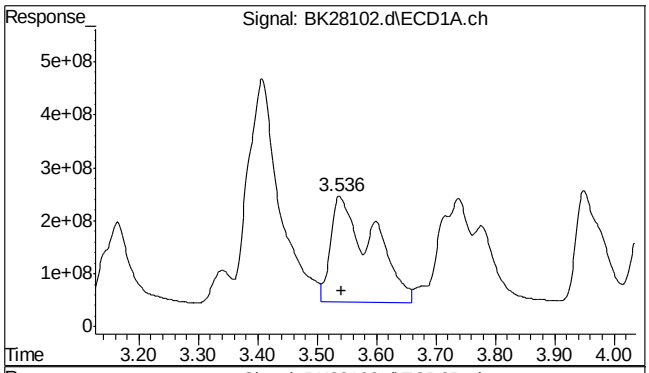
#4 AR1016-C

R.T.: 3.407 min
Delta R.T.: -0.006 min
Response: 15855344425
Conc: 735.06 ppb



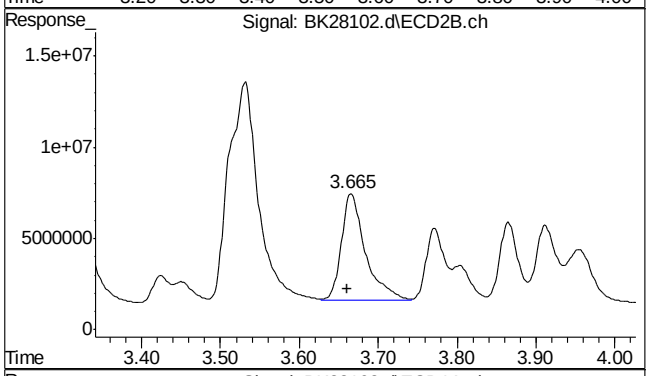
#4 AR1016-C

R.T.: 3.531 min
Delta R.T.: 0.003 min
Response: 318591102
Conc: 613.65 ppb m



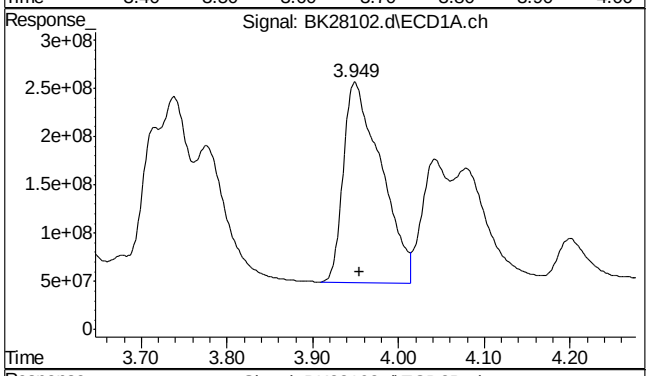
#5 AR1016-D

R.T.: 3.536 min
Delta R.T.: -0.006 min
Response: 9815685718
Conc: 739.79 m



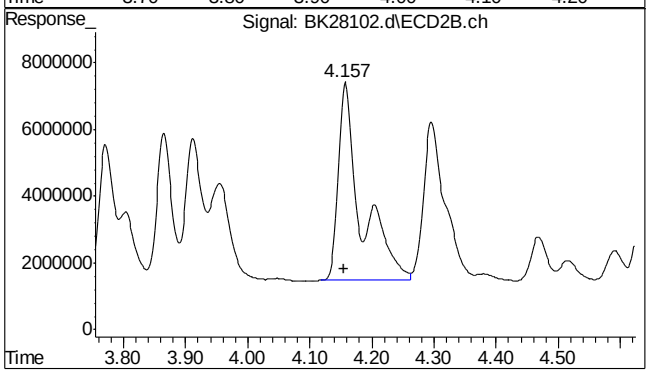
#5 AR1016-D

R.T.: 3.665 min
Delta R.T.: 0.004 min
Response: 123676100
Conc: 594.12 m



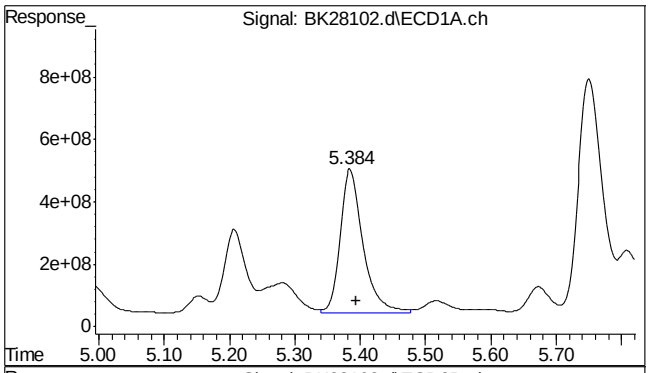
#6 AR1016-E

R.T.: 3.949 min
Delta R.T.: -0.005 min
Response: 6305659321
Conc: 725.24 m



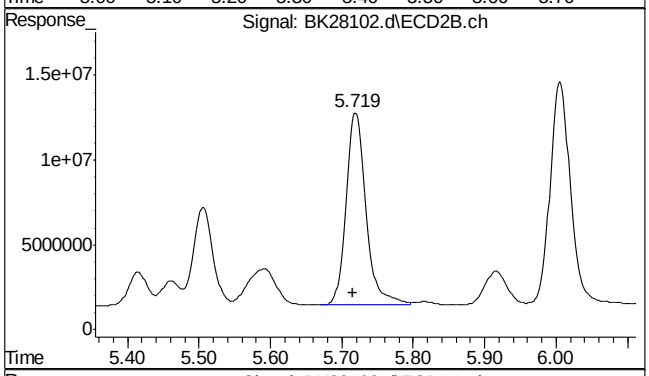
#6 AR1016-E

R.T.: 4.157 min
Delta R.T.: 0.003 min
Response: 150518050
Conc: 601.26 m



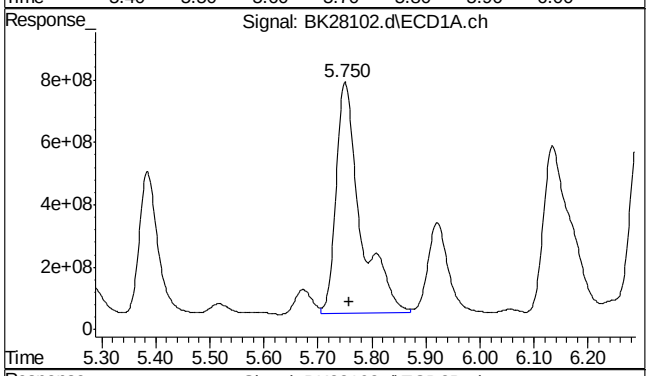
#7 AR1260-A

R.T.: 5.385 min
Delta R.T.: -0.008 min
Response: 11264073237
Conc: 732.12 ppb



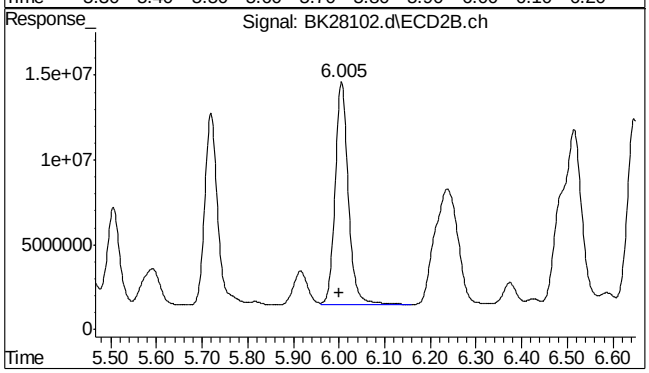
#7 AR1260-A

R.T.: 5.719 min
Delta R.T.: 0.004 min
Response: 218360272
Conc: 604.66 ppb m



#8 AR1260-B

R.T.: 5.750 min
Delta R.T.: -0.008 min
Response: 23380749796
Conc: 741.01 ppb m

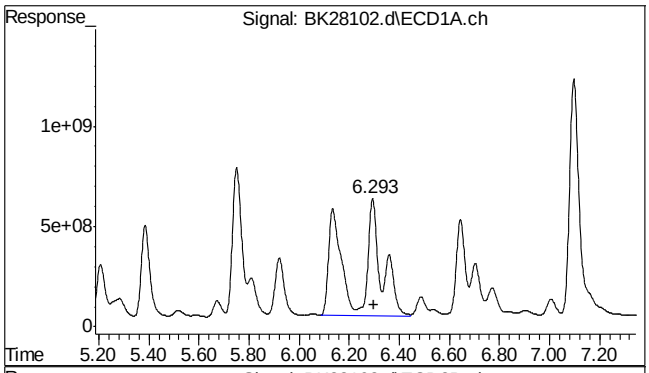


#8 AR1260-B

R.T.: 6.005 min
Delta R.T.: 0.005 min
Response: 264393540
Conc: 614.03 ppb m

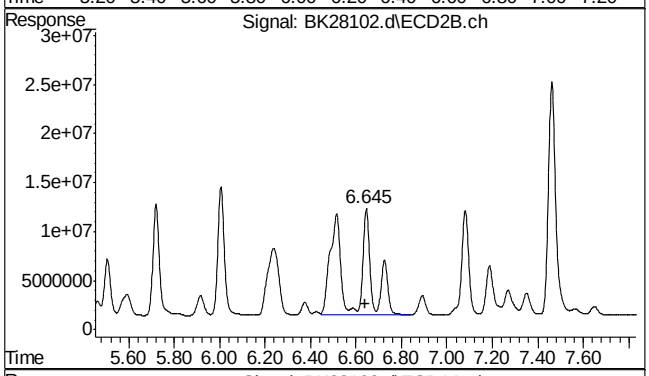
9.6.28

9



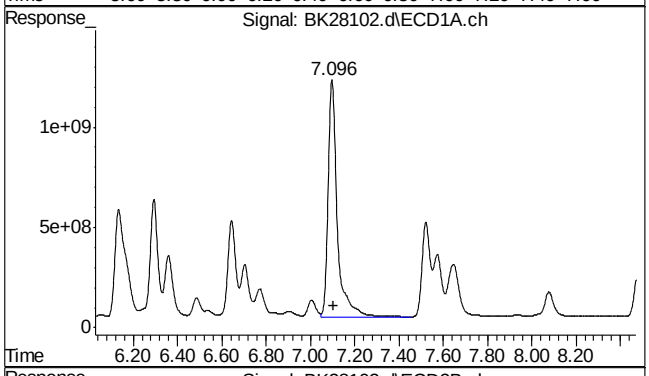
#9 AR1260-C

R.T.: 6.293 min
Delta R.T.: -0.008 min
Response: 41169588280
Conc: 739.10 ppb m



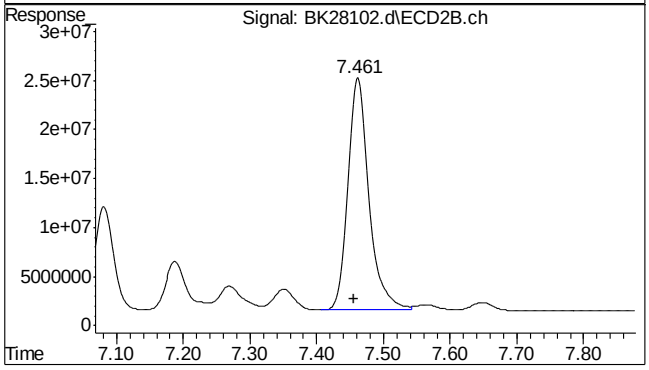
#9 AR1260-C

R.T.: 6.645 min
Delta R.T.: 0.004 min
Response: 675769292
Conc: 620.94 ppb m



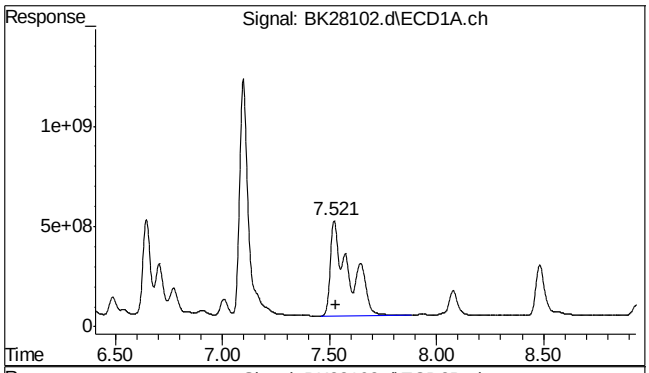
#10 AR1260-D

R.T.: 7.101 min
Delta R.T.: -0.005 min
Response: 31079756192
Conc: 713.66 ppb



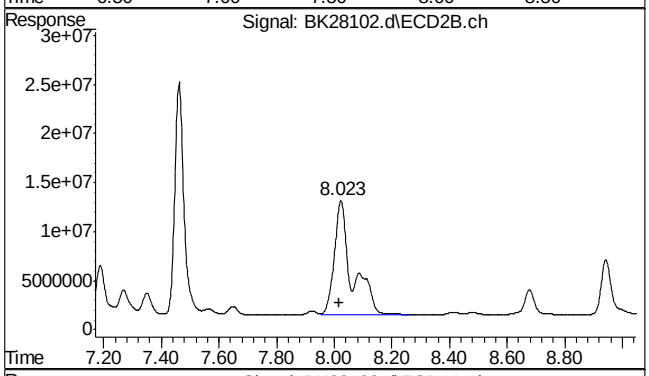
#10 AR1260-D

R.T.: 7.461 min
Delta R.T.: 0.005 min
Response: 515680252
Conc: 621.30 ppb m



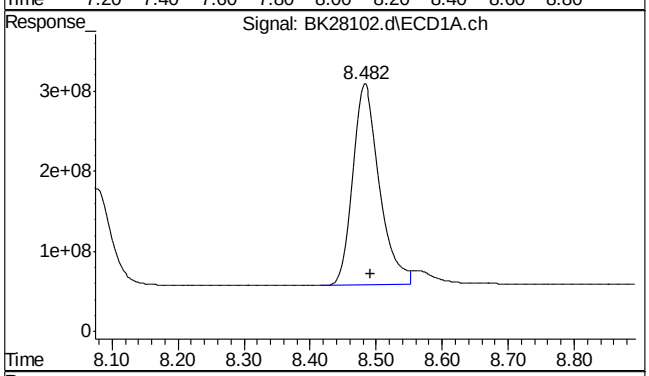
#11 AR1260-E

R.T.: 7.521 min
Delta R.T.: -0.009 min
Response: 29175602264
Conc: 740.97 ppb m



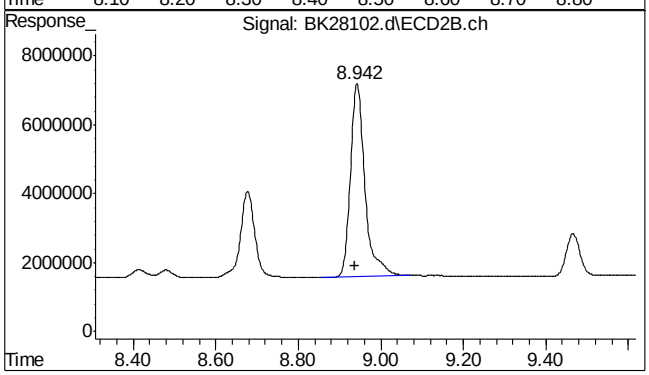
#11 AR1260-E

R.T.: 8.023 min
Delta R.T.: 0.004 min
Response: 492529532
Conc: 610.94 ppb m



#12 AR1260-F

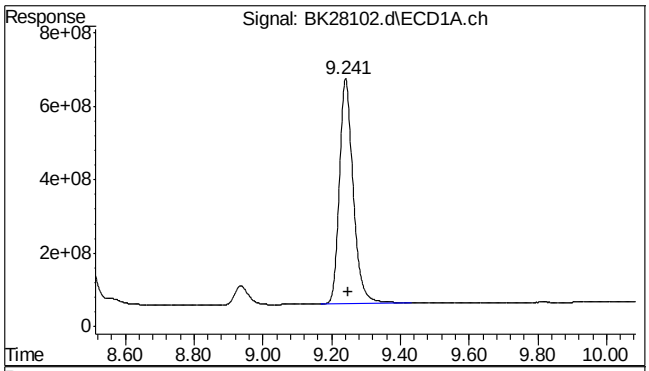
R.T.: 8.482 min
Delta R.T.: -0.009 min
Response: 7056962347
Conc: 733.22 m



#12 AR1260-F

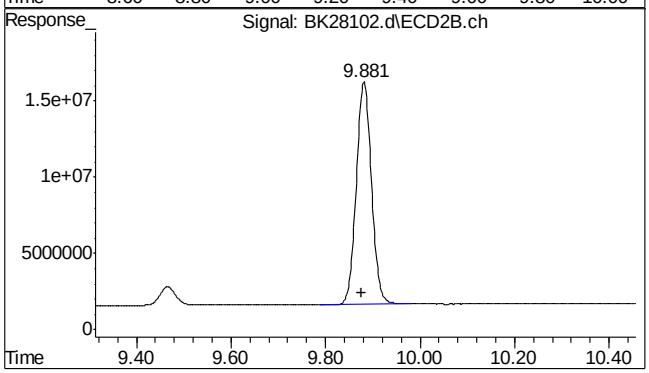
R.T.: 8.943 min
Delta R.T.: 0.006 min
Response: 136461392
Conc: 593.39

9.6.28
9



#13 DCB

R.T.: 9.241 min
Delta R.T.: -0.009 min
Response: 16910116648
Conc: 52.26 ppb m



#13 DCB

R.T.: 9.882 min
Delta R.T.: 0.006 min
Response: 325402768
Conc: 40.87 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28128.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 10:57 am
Operator : nickk
Sample : ic958-1000,a16/60
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 101 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 17:21:37 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.411	2.370	22571.7E6	530.0E6	87.152m	71.087m
	Spiked Amount 40.000			Recovery	= 217.88%	177.72%	
13) s	DCB	9.266	9.890	28614.9E6	543.8E6	99.679m	75.442m
	Spiked Amount 40.000			Recovery	= 249.20%	188.60%	
	Target Compounds						
2)	AR1016-A	2.696	2.756	4524.0E6	106.5E6	1047.601m	852.158m
3)	AR1016-B	2.997	3.101	10675.4E6	225.9E6	1093.381m	840.429
4)	AR1016-C	3.425	3.530	23821.6E6	467.1E6	1104.374	899.768m
5)	AR1016-D	3.555	3.663	14565.5E6	178.0E6	1097.771m	855.068m
6)	AR1016-E	3.968	4.155	9297.9E6	214.0E6	1069.388m	854.936m
7)	AR1260-A	5.408	5.720	17093.6E6	315.6E6	1111.020	873.811m
8)	AR1260-B	5.775	6.008	34457.8E6	385.4E6	1092.079m	895.087
9)	AR1260-C	6.317	6.648	61891.0E6	977.9E6	1111.101m	898.544m
10)	AR1260-D	7.123	7.466	51479.4E6	771.0E6	1182.087m	928.908m
11)	AR1260-E	7.548	8.030	44796.4E6	731.2E6	1137.697m	907.019m
12)	AR1260-F	8.508	8.953	12072.0E6	208.4E6	1254.286m	906.034 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9.6.29

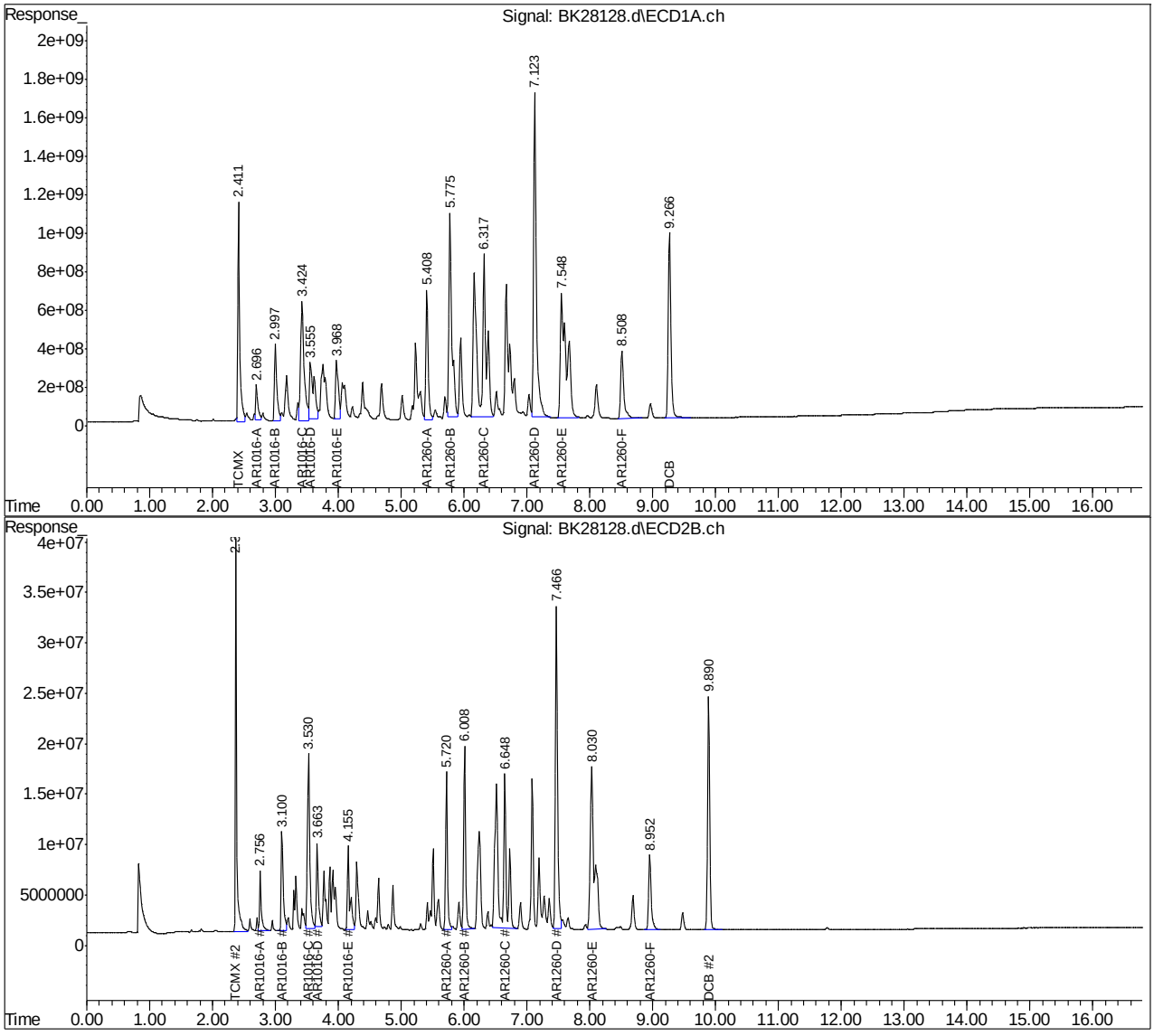
9

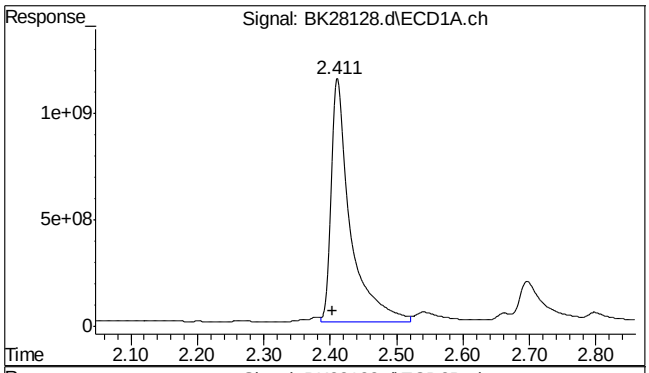
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28128.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 10:57 am
Operator : nickk
Sample : ic958-1000,a16/60
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 101 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 17:21:37 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 13 11:39:58 2013
Response via : Initial Calibration
Integrator: ChemStation

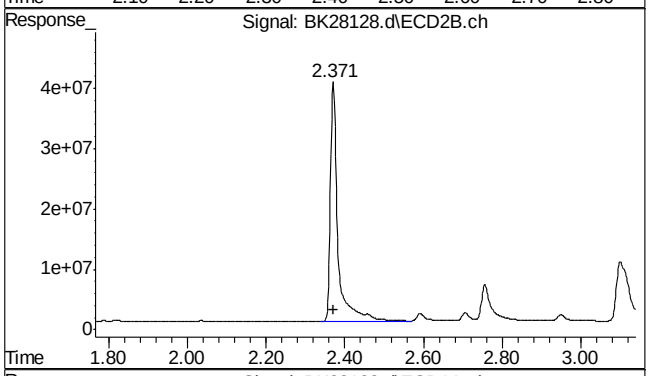
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





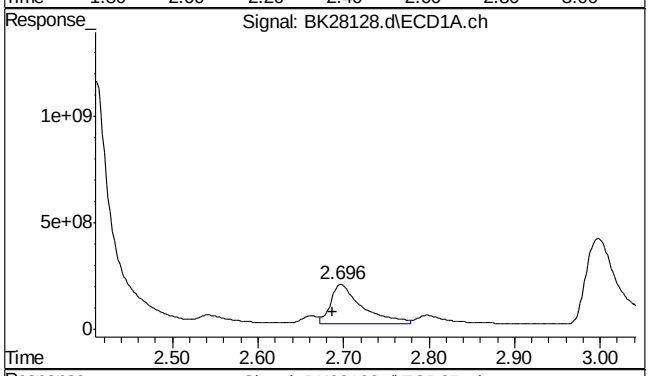
#1 TCMX

R.T.: 2.411 min
Delta R.T.: 0.008 min
Response: 22571655226
Conc: 87.15 ppb m



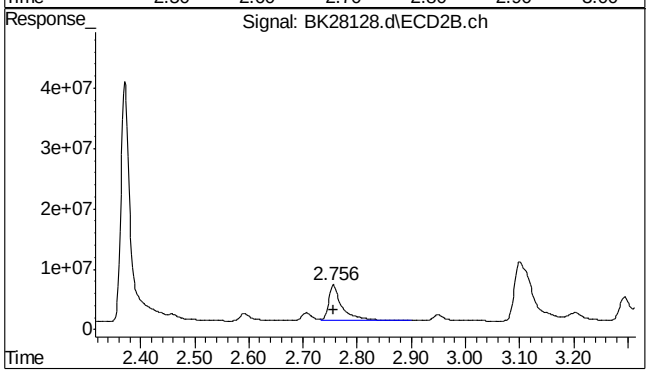
#1 TCMX

R.T.: 2.370 min
Delta R.T.: 0.000 min
Response: 530035077
Conc: 71.09 ppb m



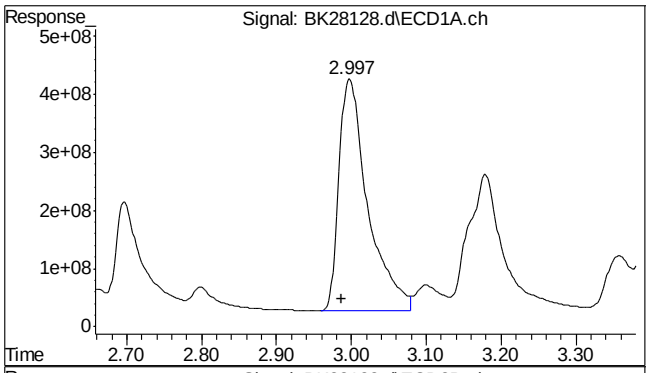
#2 AR1016-A

R.T.: 2.696 min
Delta R.T.: 0.009 min
Response: 4523970989
Conc: 1047.60 ppb m



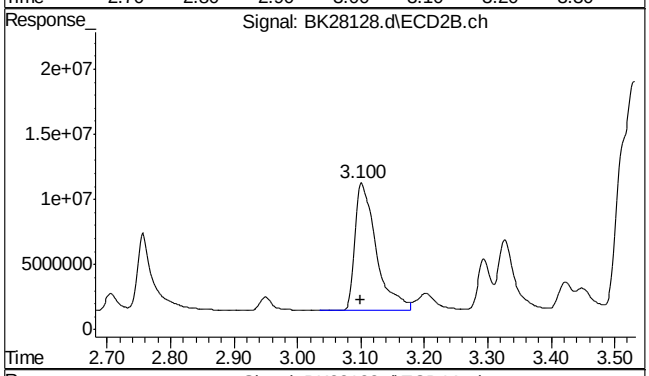
#2 AR1016-A

R.T.: 2.756 min
Delta R.T.: 0.000 min
Response: 106468674
Conc: 852.16 ppb m



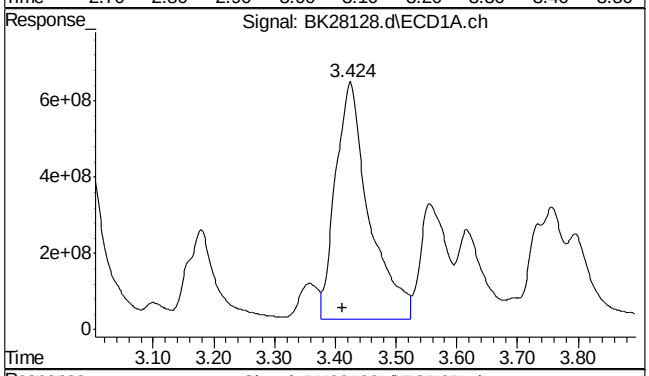
#3 AR1016-B

R.T.: 2.997 min
Delta R.T.: 0.010 min
Response: 10675364512
Conc: 1093.38 ppb m



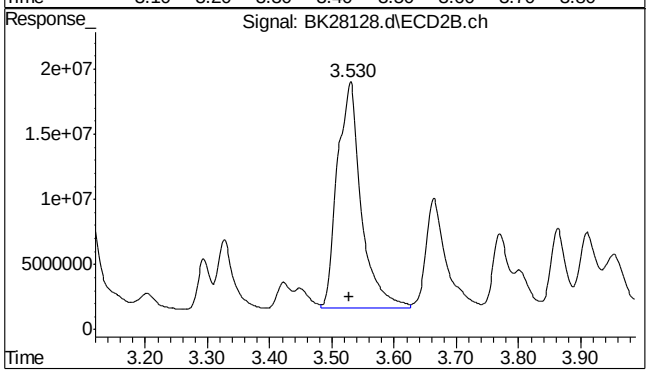
#3 AR1016-B

R.T.: 3.101 min
Delta R.T.: 0.001 min
Response: 225867769
Conc: 840.43 ppb



#4 AR1016-C

R.T.: 3.425 min
Delta R.T.: 0.012 min
Response: 23821586915
Conc: 1104.37 ppb

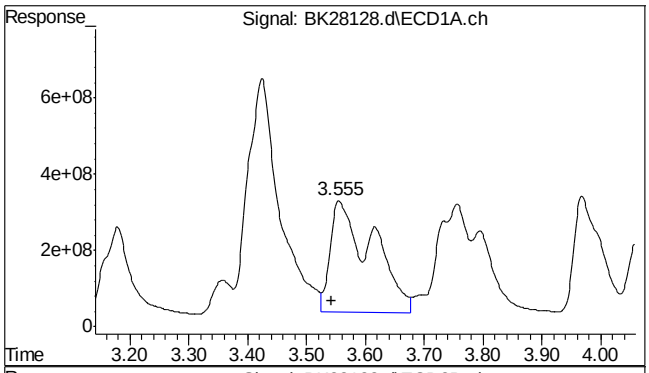


#4 AR1016-C

R.T.: 3.530 min
Delta R.T.: 0.002 min
Response: 467135502
Conc: 899.77 ppb m

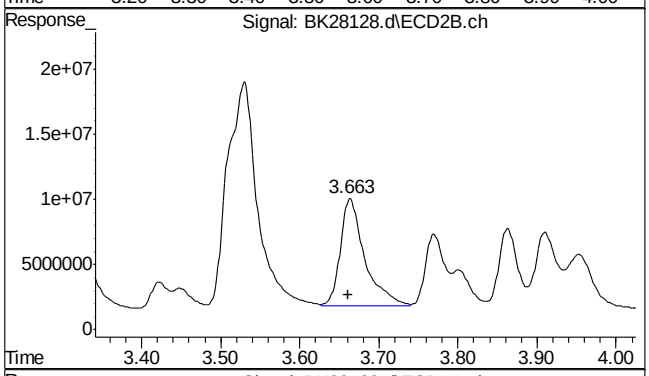
9.6.29

9



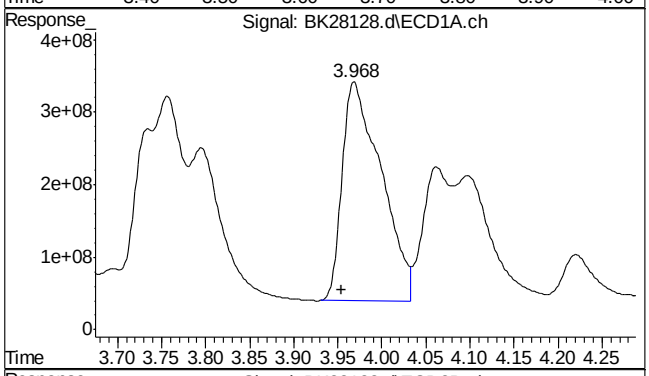
#5 AR1016-D

R.T.: 3.555 min
Delta R.T.: 0.013 min
Response: 14565457519
Conc: 1097.77 m



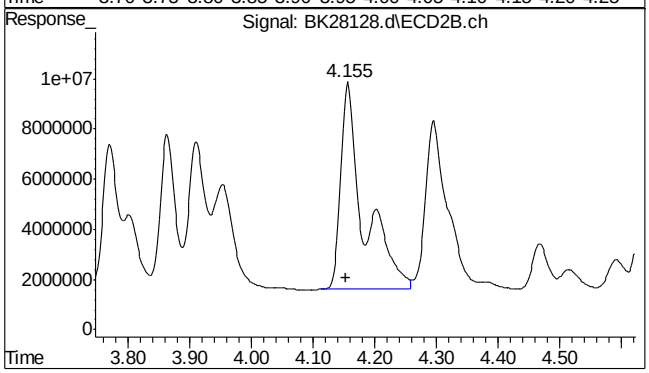
#5 AR1016-D

R.T.: 3.663 min
Delta R.T.: 0.002 min
Response: 177997880
Conc: 855.07 m



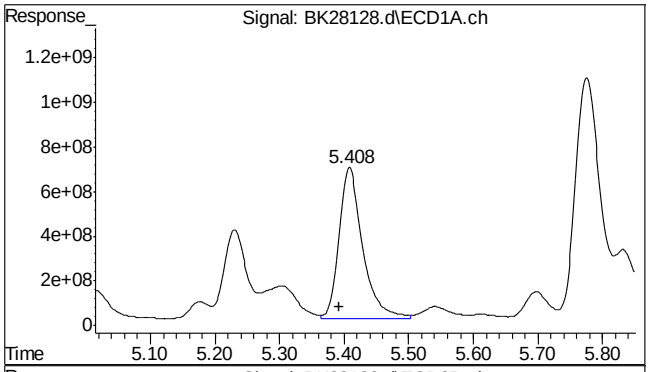
#6 AR1016-E

R.T.: 3.968 min
Delta R.T.: 0.014 min
Response: 9297851080
Conc: 1069.39 m



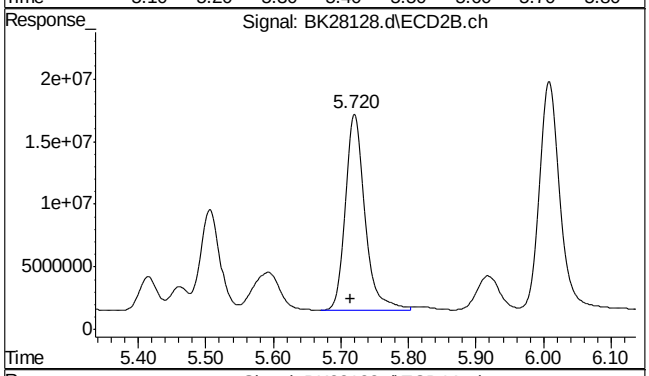
#6 AR1016-E

R.T.: 4.155 min
Delta R.T.: 0.001 min
Response: 214021915
Conc: 854.94 m



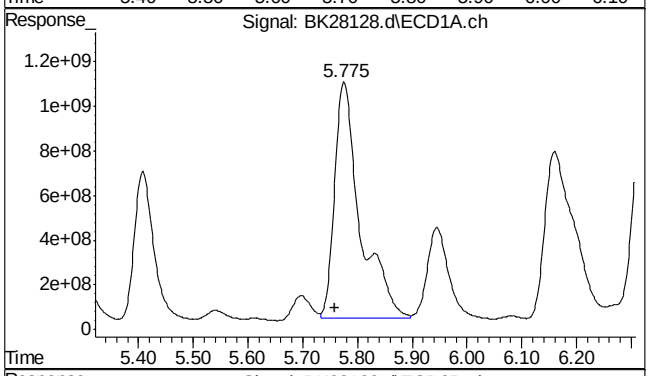
#7 AR1260-A

R.T.: 5.408 min
Delta R.T.: 0.015 min
Response: 17093586211
Conc: 1111.02 ppb



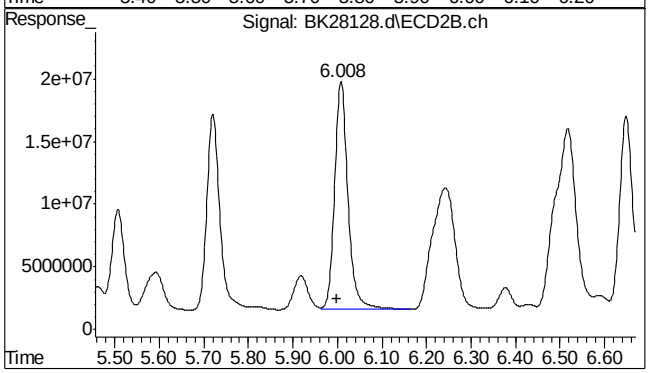
#7 AR1260-A

R.T.: 5.720 min
Delta R.T.: 0.005 min
Response: 315556253
Conc: 873.81 ppb m



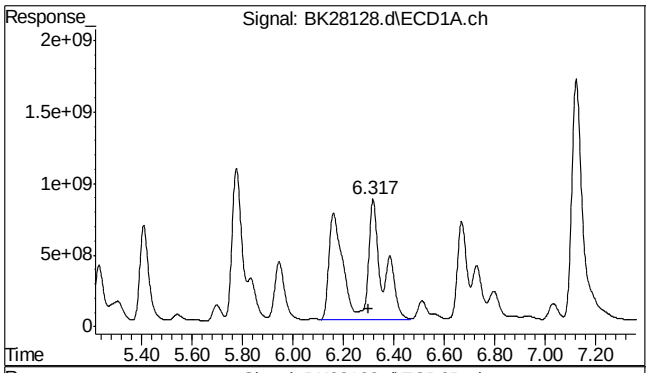
#8 AR1260-B

R.T.: 5.775 min
Delta R.T.: 0.017 min
Response: 34457820724
Conc: 1092.08 ppb m



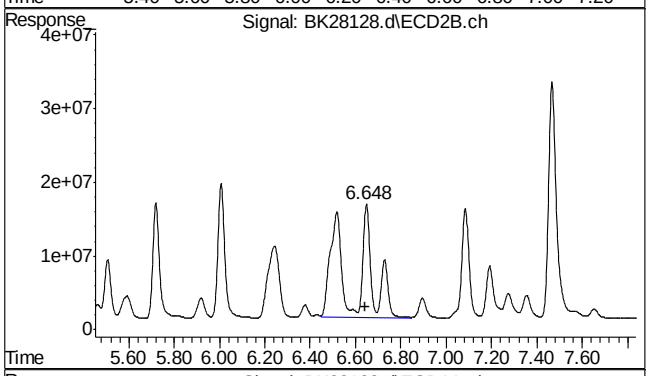
#8 AR1260-B

R.T.: 6.008 min
Delta R.T.: 0.008 min
Response: 385416244
Conc: 895.09 ppb



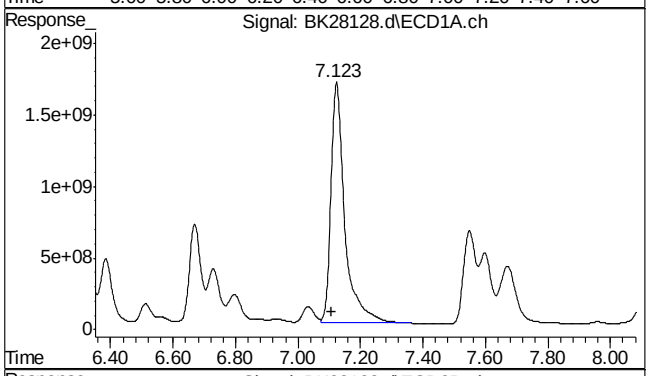
#9 AR1260-C

R.T.: 6.317 min
Delta R.T.: 0.016 min
Response: 61891045502
Conc: 1111.10 ppb m



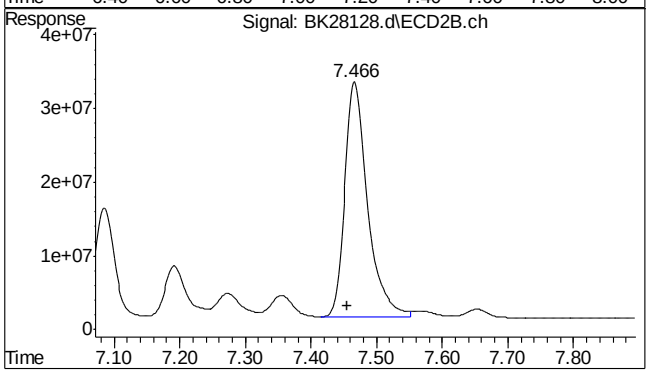
#9 AR1260-C

R.T.: 6.648 min
Delta R.T.: 0.007 min
Response: 977880783
Conc: 898.54 ppb m



#10 AR1260-D

R.T.: 7.123 min
Delta R.T.: 0.017 min
Response: 51479379096
Conc: 1182.09 ppb m

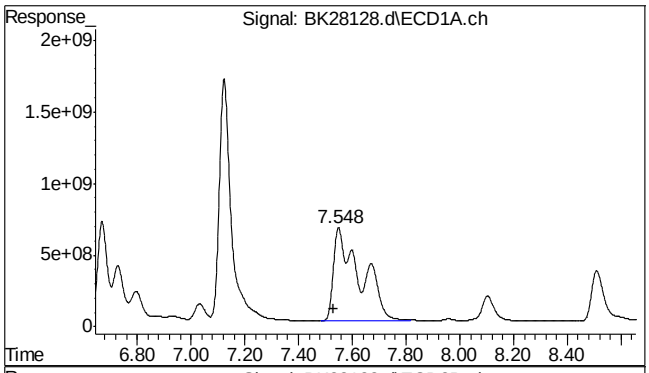


#10 AR1260-D

R.T.: 7.466 min
Delta R.T.: 0.010 min
Response: 770996205
Conc: 928.91 ppb m

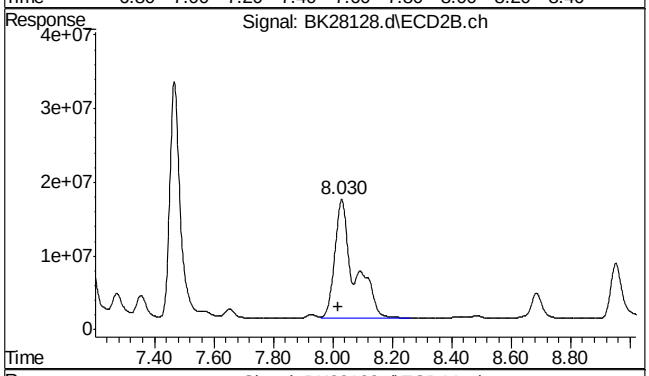
9.6.29

9



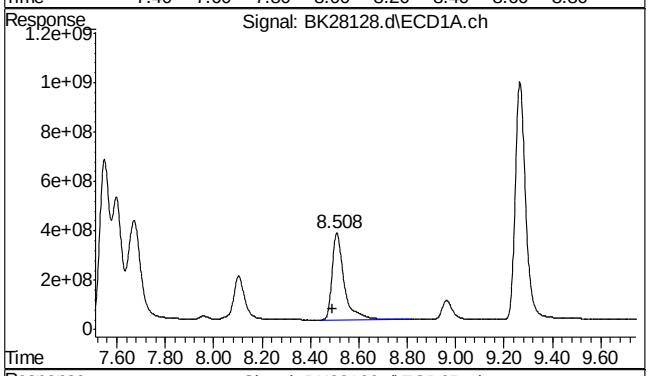
#11 AR1260-E

R.T.: 7.548 min
Delta R.T.: 0.018 min
Response: 44796440672
Conc: 1137.70 ppb m



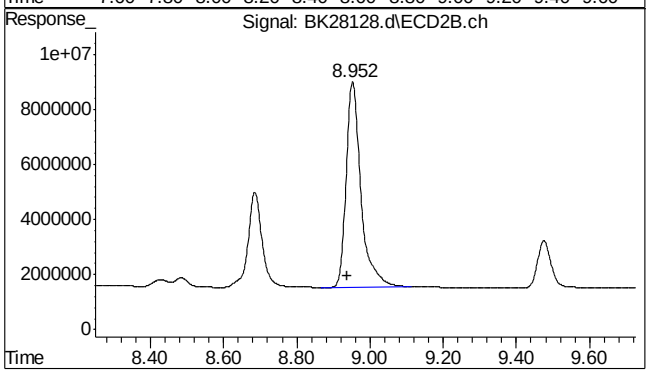
#11 AR1260-E

R.T.: 8.030 min
Delta R.T.: 0.011 min
Response: 731222769
Conc: 907.02 ppb m



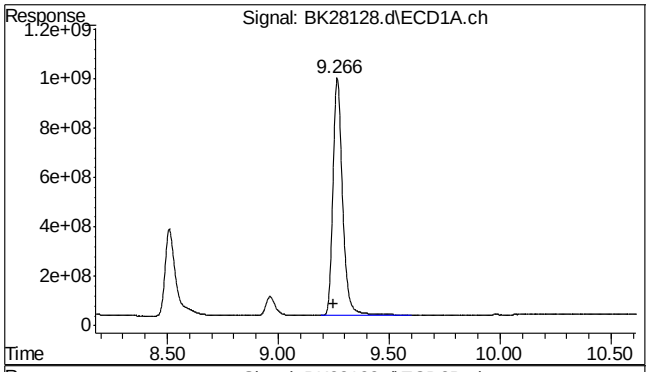
#12 AR1260-F

R.T.: 8.508 min
Delta R.T.: 0.017 min
Response: 12071981535
Conc: 1254.29 m



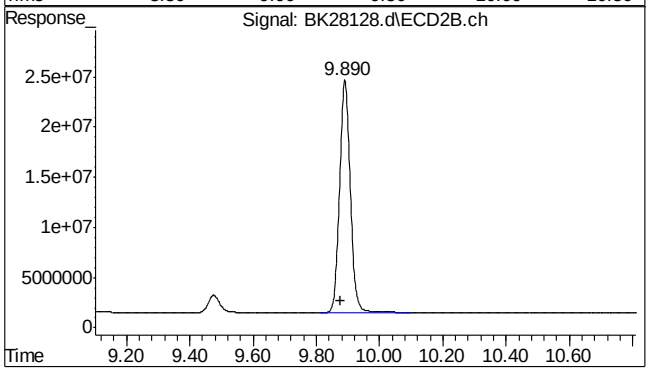
#12 AR1260-F

R.T.: 8.953 min
Delta R.T.: 0.016 min
Response: 208358956
Conc: 906.03



#13 DCB

R.T.: 9.266 min
Delta R.T.: 0.016 min
Response: 28614944597
Conc: 99.68 ppb m



#13 DCB

R.T.: 9.890 min
Delta R.T.: 0.014 min
Response: 543799379
Conc: 75.44 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28129.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 11:16 am
Operator : nickk
Sample : ic958-750,a16/60
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 102 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 17:25:55 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 19 17:21:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.401	2.374	14528.8E6	364.5E6	55.317m	49.191m
	Spiked Amount 40.000			Recovery	= 138.29%	122.98%	
13) s	DCB	9.248	9.887	19558.2E6	375.7E6	58.376m	48.120m
	Spiked Amount 40.000			Recovery	= 145.94%	120.30%	
	Target Compounds						
2)	AR1016-A	2.686	2.759	3337.9E6	82161441	773.009	657.289m
3)	AR1016-B	2.984	3.102	7551.5E6	176.1E6	763.026	659.021m
4)	AR1016-C	3.411	3.532	16537.3E6	346.9E6	753.697	672.081m
5)	AR1016-D	3.540	3.665	10148.8E6	134.1E6	758.162m	655.114m
6)	AR1016-E	3.951f	4.157	6587.4E6	162.8E6	745.731m	655.422m
7)	AR1260-A	5.388	5.720	12188.0E6	239.4E6	774.222	665.705m
8)	AR1260-B	5.754	6.006	25040.9E6	292.3E6	776.823m	681.144m
9)	AR1260-C	6.297	6.646	44183.4E6	741.6E6	778.141m	684.567m
10)	AR1260-D	7.103	7.465	35124.5E6	576.2E6	785.391	698.967m
11)	AR1260-E	7.529	8.028	32535.6E6	546.8E6	804.522m	681.632m
12)	AR1260-F	8.492	8.950	8814.8E6	154.5E6	875.521	675.869

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9.6.30

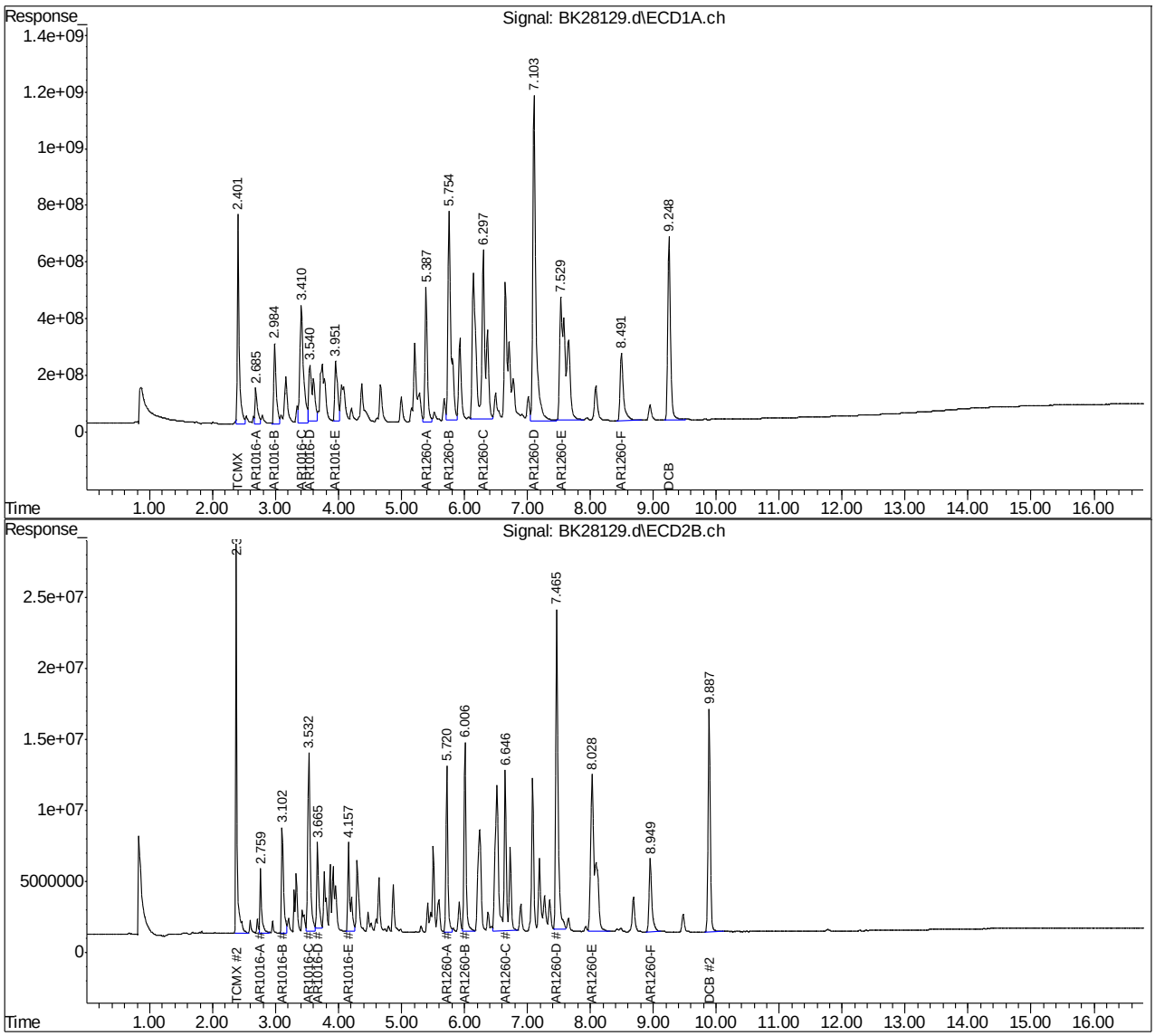
9

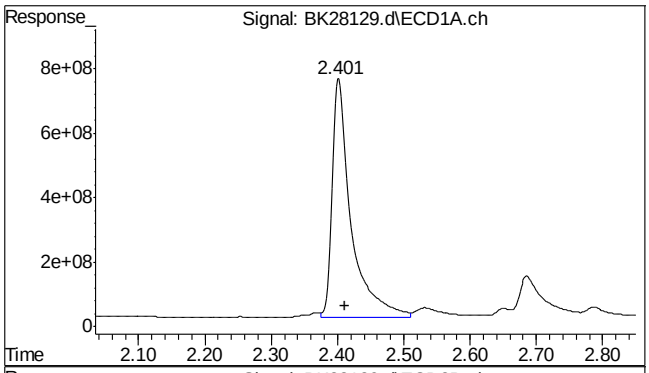
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28129.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 11:16 am
Operator : nickk
Sample : ic958-750,a16/60
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 102 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 17:25:55 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 19 17:21:58 2013
Response via : Initial Calibration
Integrator: ChemStation

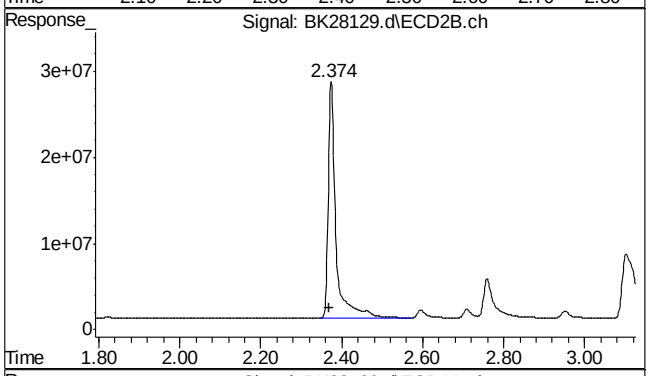
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





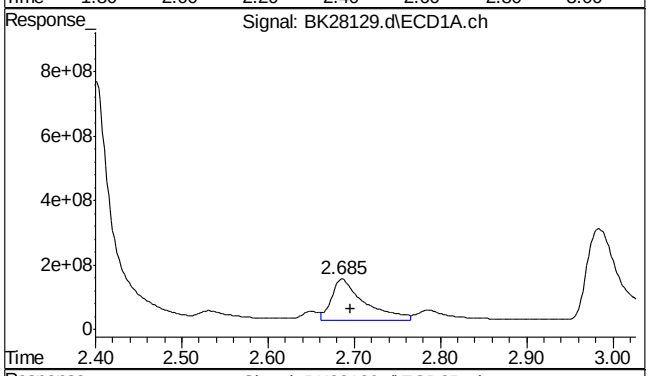
#1 TCMX

R.T.: 2.401 min
Delta R.T.: -0.010 min
Response: 14528750473
Conc: 55.32 ppb m



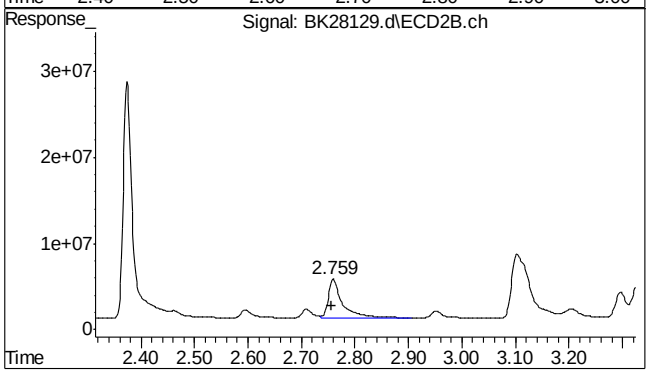
#1 TCMX

R.T.: 2.374 min
Delta R.T.: 0.003 min
Response: 364475946
Conc: 49.19 ppb m



#2 AR1016-A

R.T.: 2.686 min
Delta R.T.: -0.010 min
Response: 3337883415
Conc: 773.01 ppb

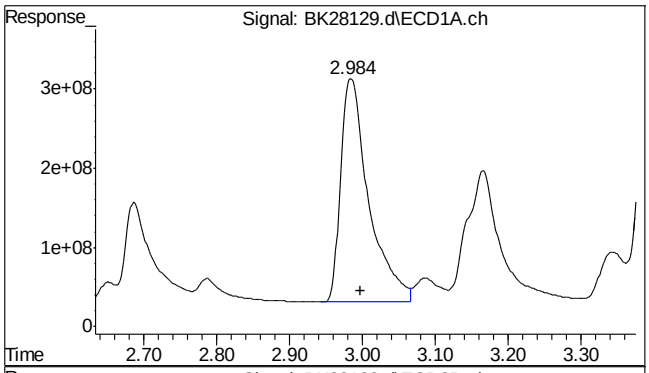


#2 AR1016-A

R.T.: 2.759 min
Delta R.T.: 0.003 min
Response: 82161441
Conc: 657.29 ppb m

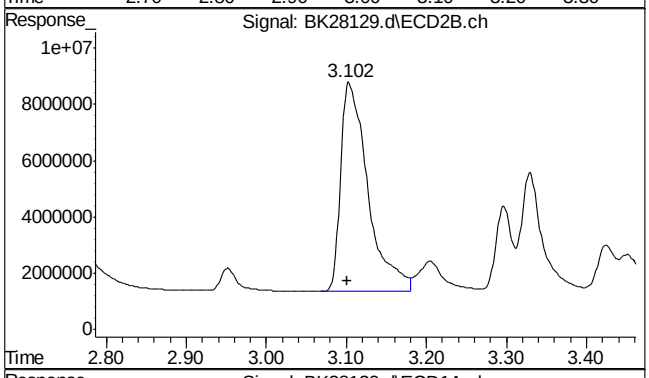
9.6.30

9



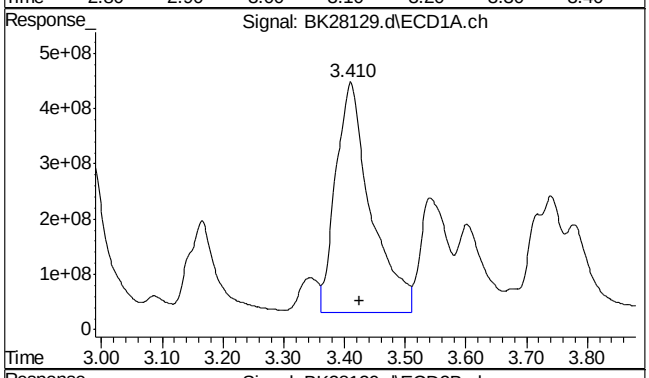
#3 AR1016-B

R.T.: 2.984 min
Delta R.T.: -0.013 min
Response: 7551491443
Conc: 763.03 ppb



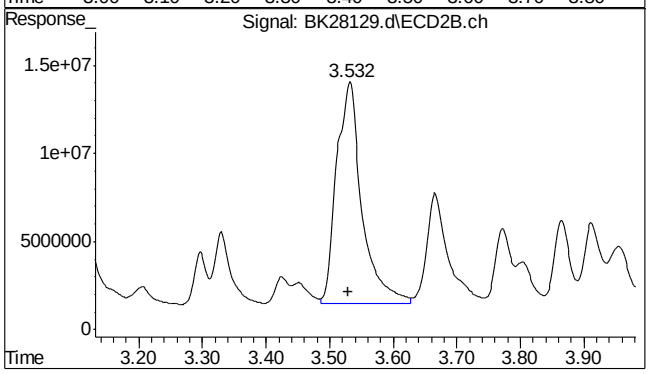
#3 AR1016-B

R.T.: 3.102 min
Delta R.T.: 0.001 min
Response: 176077717
Conc: 659.02 ppb m



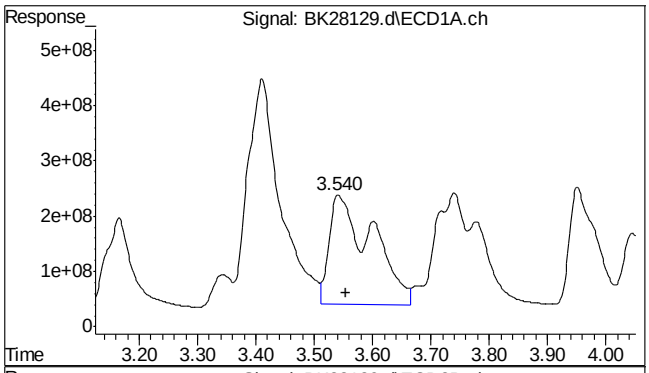
#4 AR1016-C

R.T.: 3.411 min
Delta R.T.: -0.014 min
Response: 16537338508
Conc: 753.70 ppb



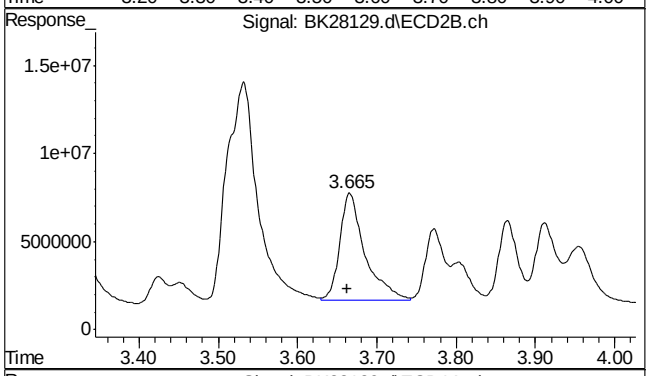
#4 AR1016-C

R.T.: 3.532 min
Delta R.T.: 0.002 min
Response: 346881004
Conc: 672.08 ppb m



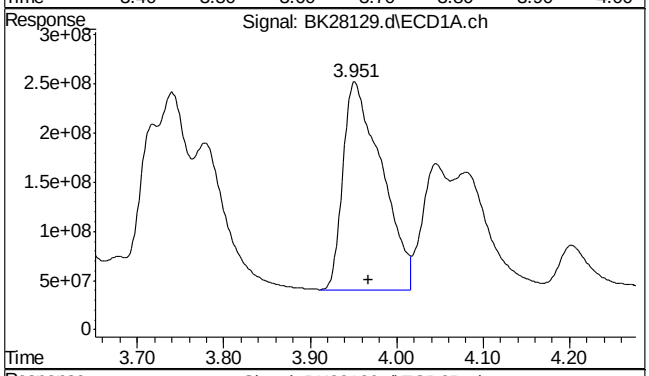
#5 AR1016-D

R.T.: 3.540 min
Delta R.T.: -0.014 min
Response: 10148752177
Conc: 758.16 m



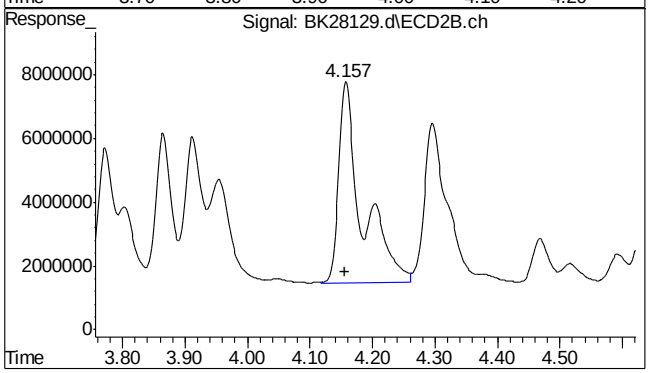
#5 AR1016-D

R.T.: 3.665 min
Delta R.T.: 0.002 min
Response: 134126949
Conc: 655.11 m



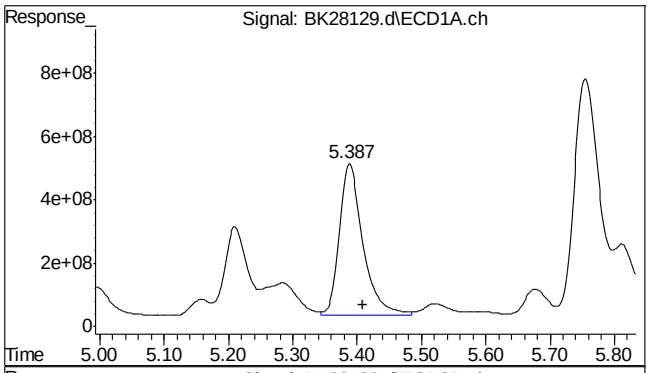
#6 AR1016-E

R.T.: 3.951 min
Delta R.T.: -0.017 min
Response: 6587414034
Conc: 745.73 m



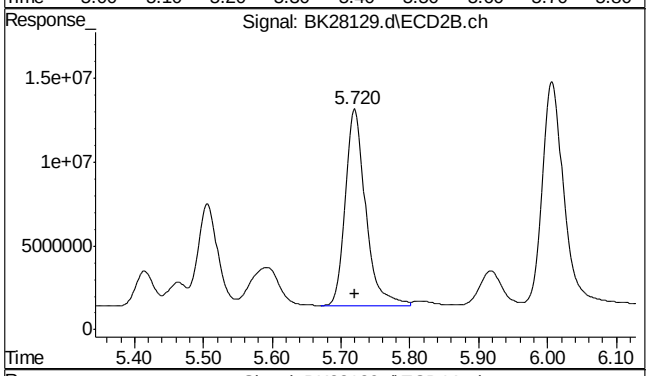
#6 AR1016-E

R.T.: 4.157 min
Delta R.T.: 0.002 min
Response: 162817883
Conc: 655.42 m



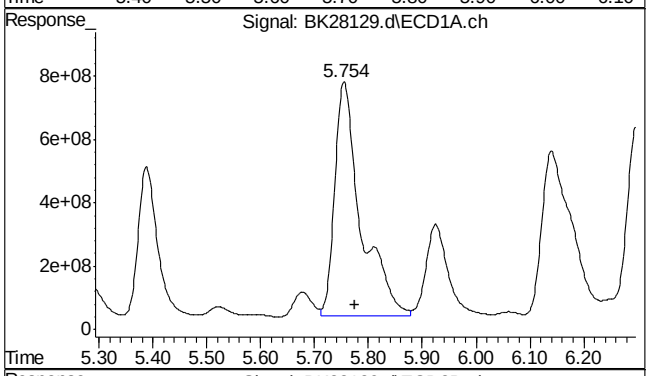
#7 AR1260-A

R.T.: 5.388 min
Delta R.T.: -0.020 min
Response: 12188045084
Conc: 774.22 ppb



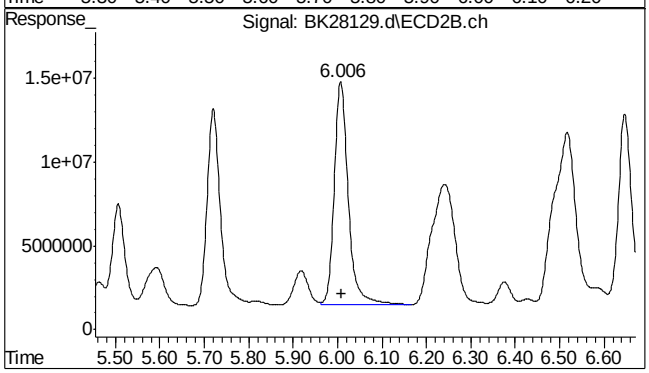
#7 AR1260-A

R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 239417107
Conc: 665.70 ppb m



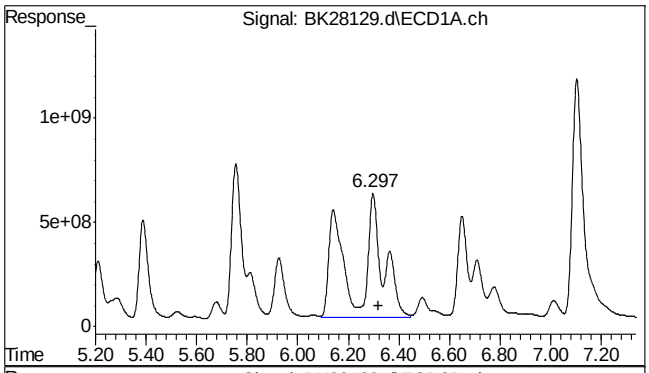
#8 AR1260-B

R.T.: 5.754 min
Delta R.T.: -0.021 min
Response: 25040896539
Conc: 776.82 ppb m



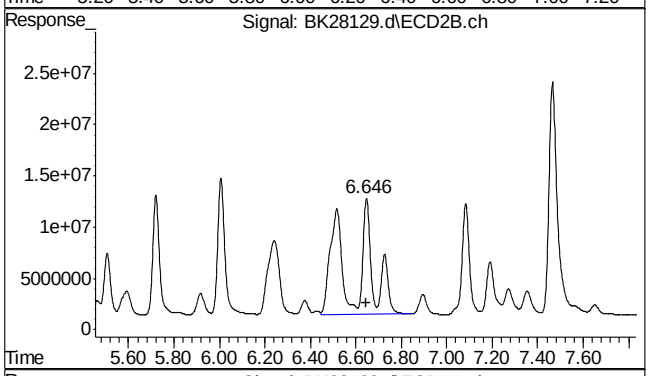
#8 AR1260-B

R.T.: 6.006 min
Delta R.T.: -0.002 min
Response: 292309936
Conc: 681.14 ppb m



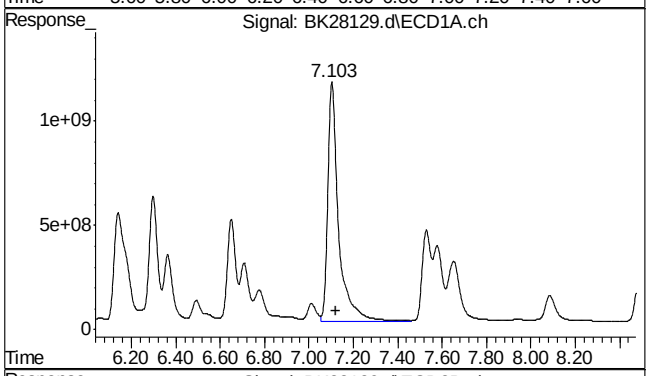
#9 AR1260-C

R.T.: 6.297 min
Delta R.T.: -0.020 min
Response: 44183427555
Conc: 778.14 ppb m



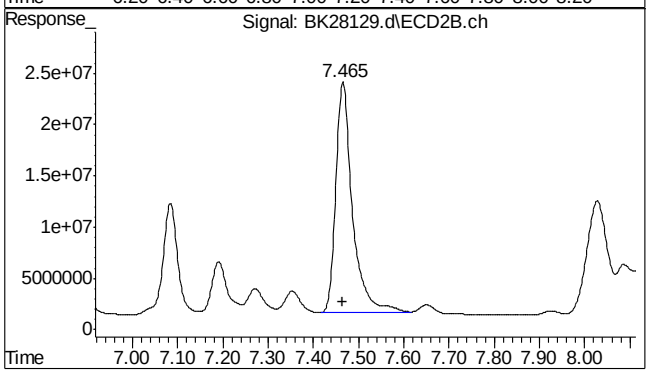
#9 AR1260-C

R.T.: 6.646 min
Delta R.T.: -0.001 min
Response: 741581220
Conc: 684.57 ppb m



#10 AR1260-D

R.T.: 7.103 min
Delta R.T.: -0.020 min
Response: 35124518288
Conc: 785.39 ppb

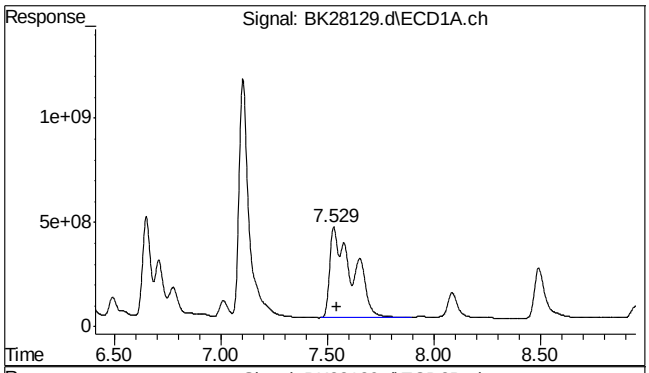


#10 AR1260-D

R.T.: 7.465 min
Delta R.T.: -0.001 min
Response: 576228165
Conc: 698.97 ppb m

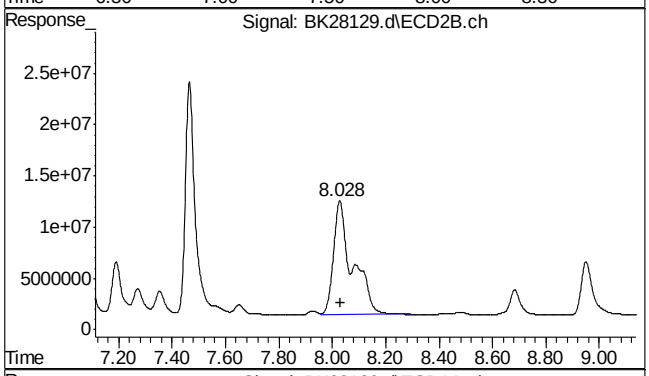
9.6.30

9



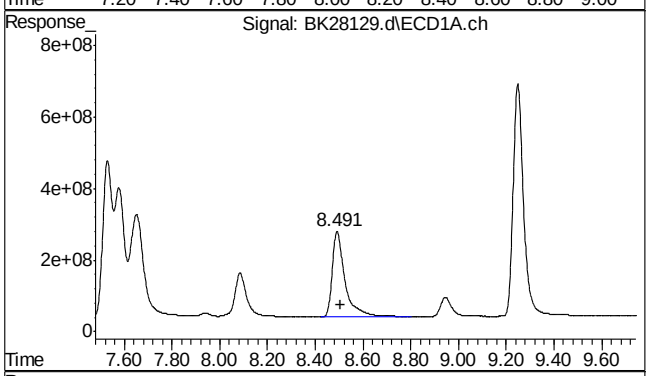
#11 AR1260-E

R.T.: 7.529 min
Delta R.T.: -0.019 min
Response: 32535619034
Conc: 804.52 ppb m



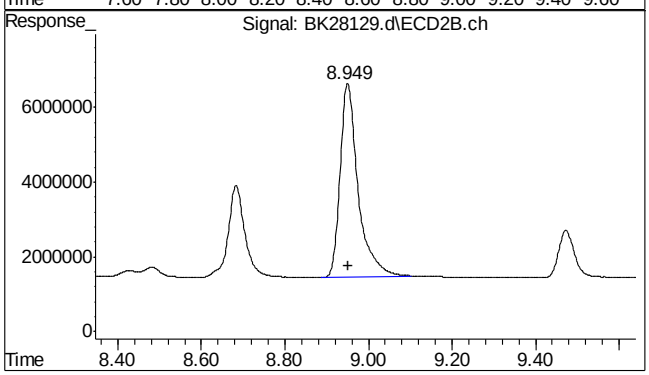
#11 AR1260-E

R.T.: 8.028 min
Delta R.T.: -0.002 min
Response: 546772505
Conc: 681.63 ppb m



#12 AR1260-F

R.T.: 8.492 min
Delta R.T.: -0.016 min
Response: 8814832921
Conc: 875.52

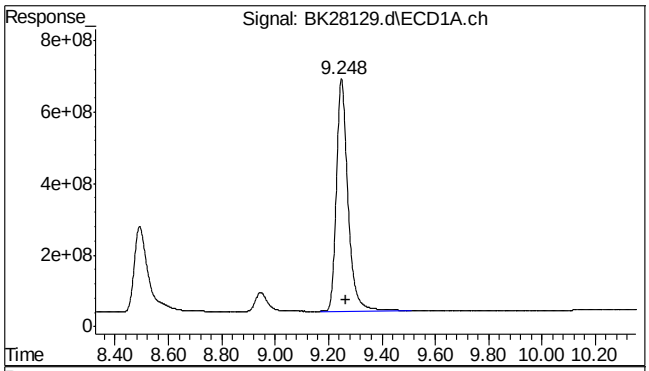


#12 AR1260-F

R.T.: 8.950 min
Delta R.T.: -0.003 min
Response: 154524311
Conc: 675.87

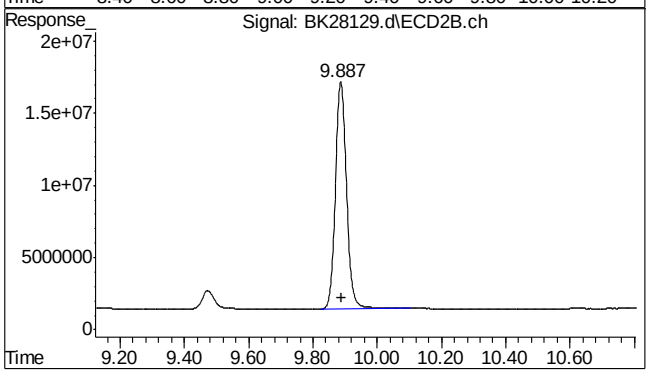
9.6.30

9



#13 DCB

R.T.: 9.248 min
Delta R.T.: -0.018 min
Response: 19558156228
Conc: 58.38 ppb m



#13 DCB

R.T.: 9.887 min
Delta R.T.: -0.003 min
Response: 375691235
Conc: 48.12 ppb m

9.6.30

9

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28130.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 11:35 am
Operator : nickk
Sample : icc958-500,a16/60
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 103 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 17:28:44 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 19 17:21:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.400	2.374	12663.4E6	321.0E6	48.215m	43.328
	Spiked Amount 40.000			Recovery	= 120.54%	108.32%	
13) s	DCB	9.244	9.885	17633.1E6	340.5E6	53.333m	42.771m
	Spiked Amount 40.000			Recovery	= 133.33%	106.93%	
	Target Compounds						
2)	AR1016-A	2.685	2.759	2037.7E6	55687025	471.912m	445.494m
3)	AR1016-B	2.984	3.104	5012.2E6	120.4E6	506.453	450.736
4)	AR1016-C	3.410	3.532	11019.3E6	234.8E6	502.212	454.960m
5)	AR1016-D	3.540	3.666	7125.7E6	91884783	532.322m	448.791m
6)	AR1016-E	3.950f	4.158	4429.9E6	111.2E6	501.486m	447.669m
7)	AR1260-A	5.387	5.720	8263.7E6	161.4E6	524.932	448.801m
8)	AR1260-B	5.753	6.006	16737.2E6	196.4E6	519.223m	457.550m
9)	AR1260-C	6.295	6.646	29262.7E6	499.4E6	515.364m	461.013m
10)	AR1260-D	7.101	7.465	24801.8E6	384.1E6	554.574m	465.965m
11)	AR1260-E	7.527	8.026	21857.3E6	372.9E6	540.475m	464.904m
12)	AR1260-F	8.489	8.951	5888.3E6	108.7E6	584.847m	475.600m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9.6.31

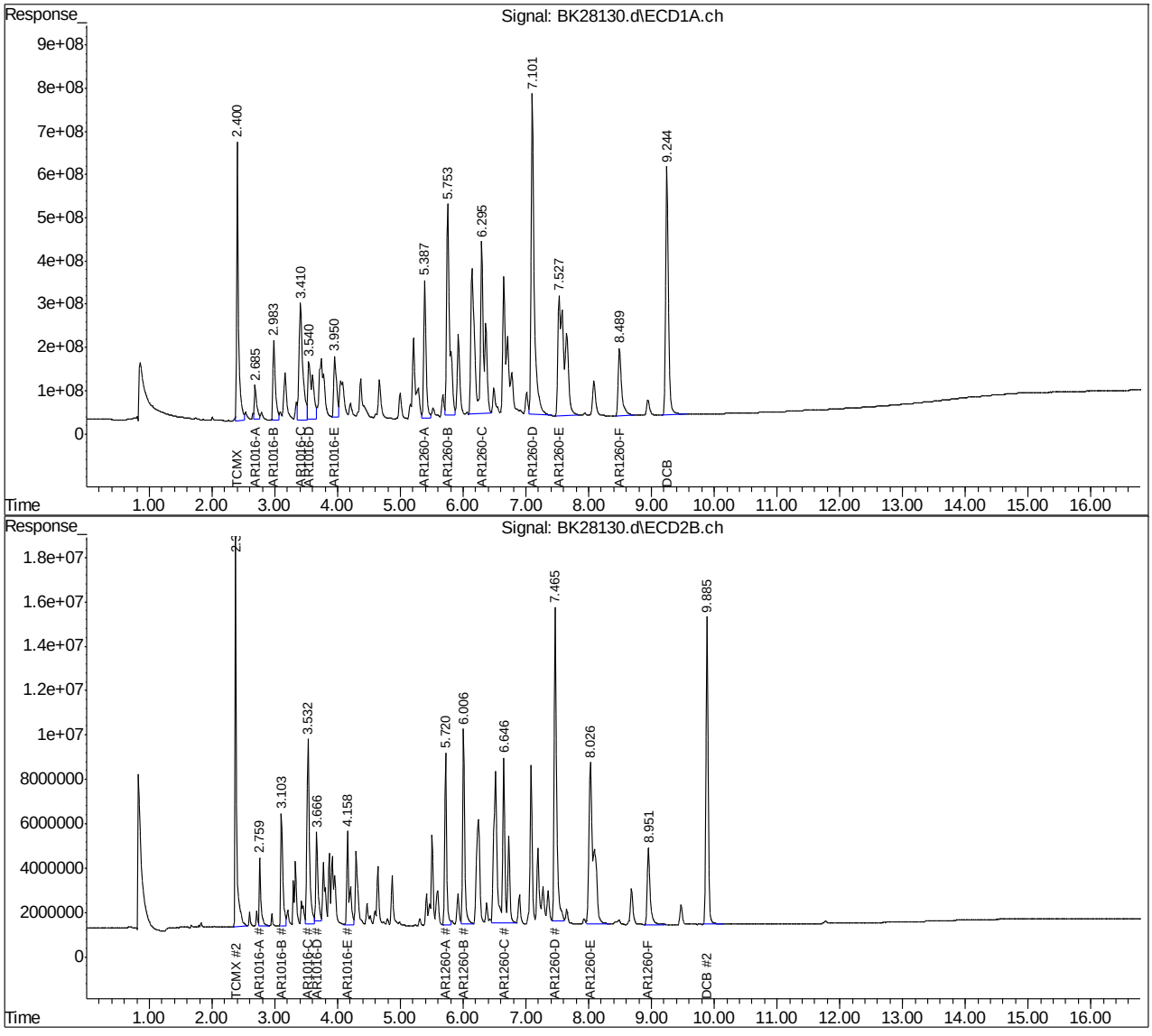
9

Quantitation Report (QT Reviewed)

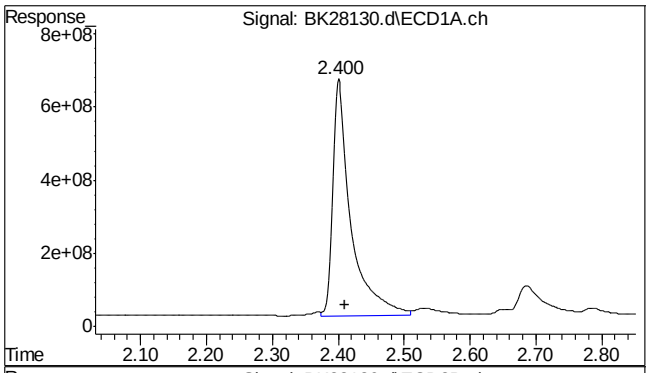
Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28130.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 11:35 am
Operator : nickk
Sample : icc958-500,a16/60
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 103 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 17:28:44 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 19 17:21:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

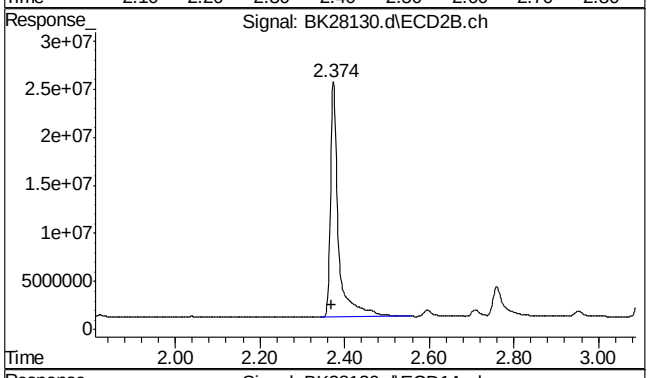


ACCUTEST LABORATORIES MC23456



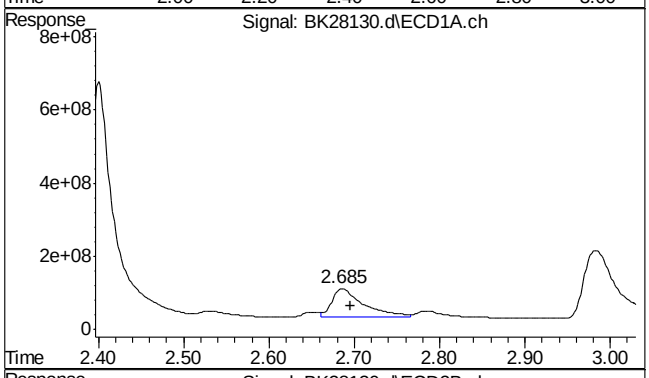
#1 TCMX

R.T.: 2.400 min
Delta R.T.: -0.011 min
Response: 12663379859
Conc: 48.21 ppb m



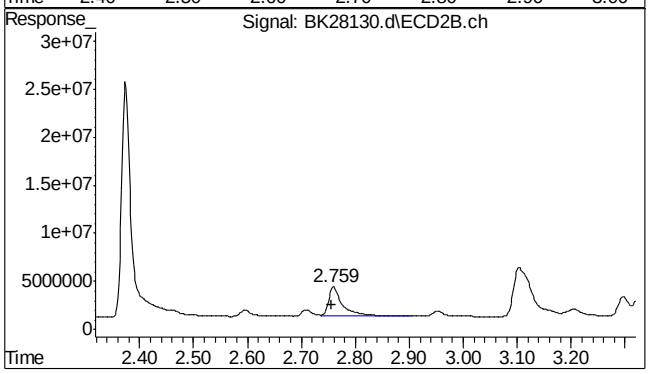
#1 TCMX

R.T.: 2.374 min
Delta R.T.: 0.004 min
Response: 321038547
Conc: 43.33 ppb



#2 AR1016-A

R.T.: 2.685 min
Delta R.T.: -0.011 min
Response: 2037732805
Conc: 471.91 ppb m



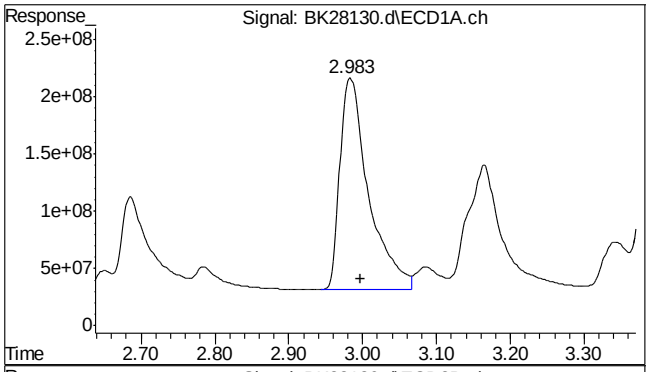
#2 AR1016-A

R.T.: 2.759 min
Delta R.T.: 0.003 min
Response: 55687025
Conc: 445.49 ppb m

9.6.31

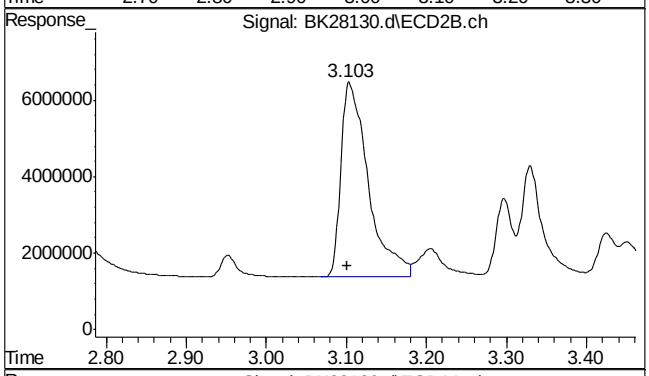
9

ACCUTEST LABORATORIES
MC23456



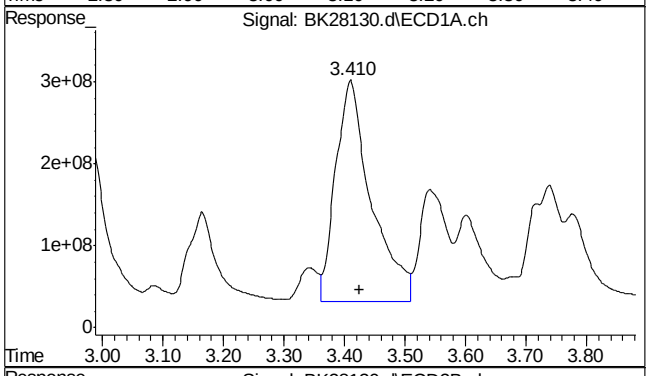
#3 AR1016-B

R.T.: 2.984 min
Delta R.T.: -0.014 min
Response: 5012246279
Conc: 506.45 ppb



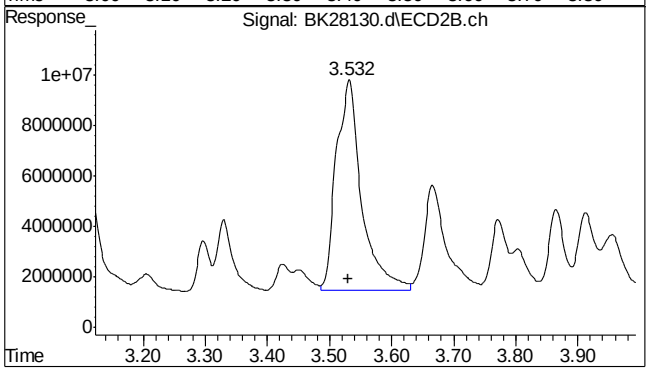
#3 AR1016-B

R.T.: 3.104 min
Delta R.T.: 0.003 min
Response: 120427855
Conc: 450.74 ppb



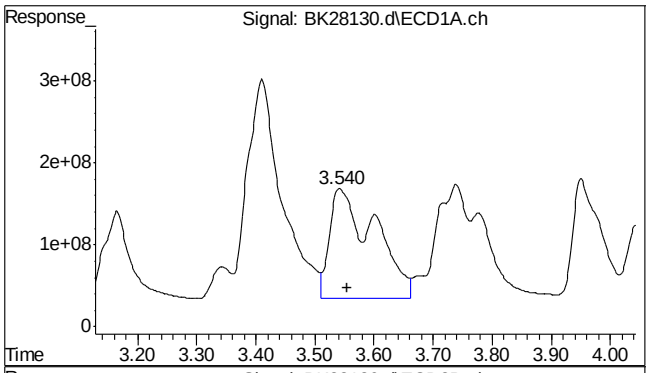
#4 AR1016-C

R.T.: 3.410 min
Delta R.T.: -0.015 min
Response: 11019348779
Conc: 502.21 ppb



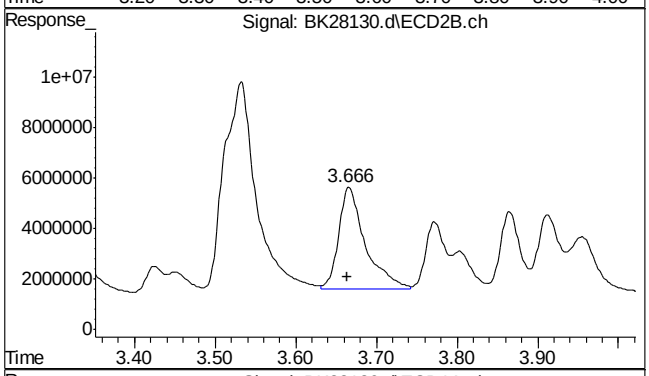
#4 AR1016-C

R.T.: 3.532 min
Delta R.T.: 0.002 min
Response: 234818147
Conc: 454.96 ppb m



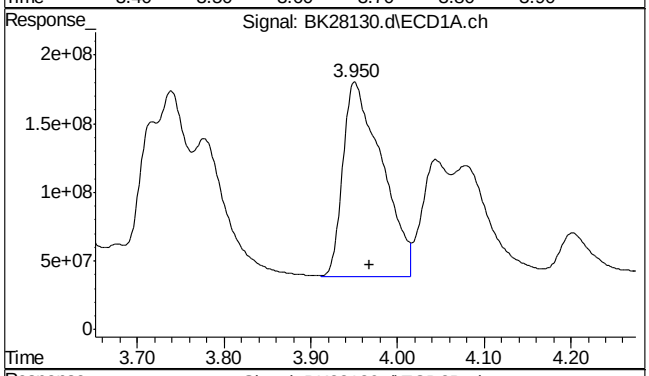
#5 AR1016-D

R.T.: 3.540 min
Delta R.T.: -0.014 min
Response: 7125657391
Conc: 532.32 m



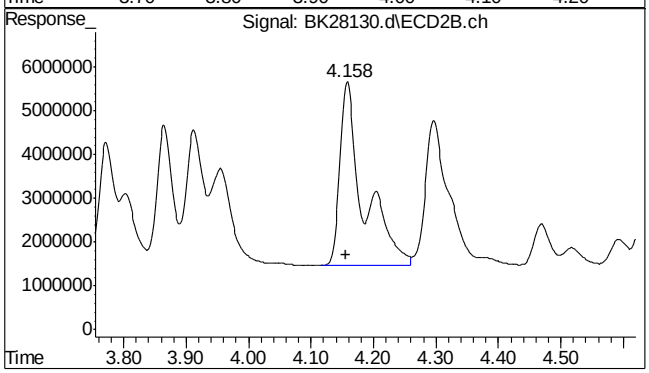
#5 AR1016-D

R.T.: 3.666 min
Delta R.T.: 0.002 min
Response: 91884783
Conc: 448.79 m



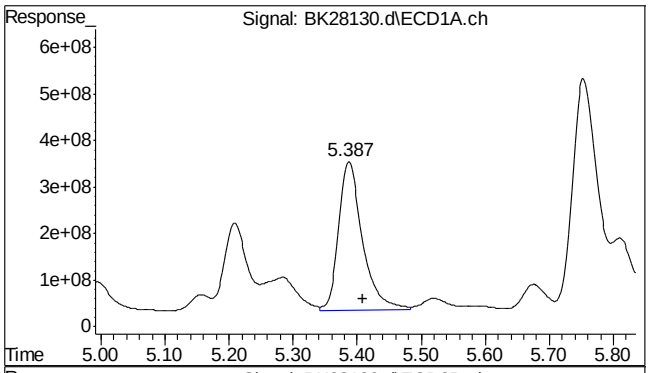
#6 AR1016-E

R.T.: 3.950 min
Delta R.T.: -0.018 min
Response: 4429876606
Conc: 501.49 m



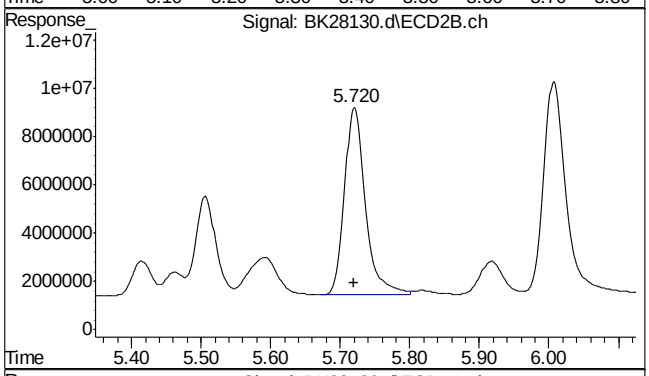
#6 AR1016-E

R.T.: 4.158 min
Delta R.T.: 0.002 min
Response: 111208544
Conc: 447.67 m



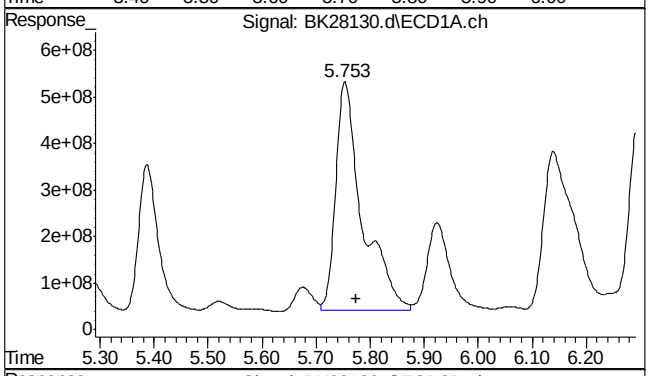
#7 AR1260-A

R.T.: 5.387 min
Delta R.T.: -0.021 min
Response: 8263655108
Conc: 524.93 ppb



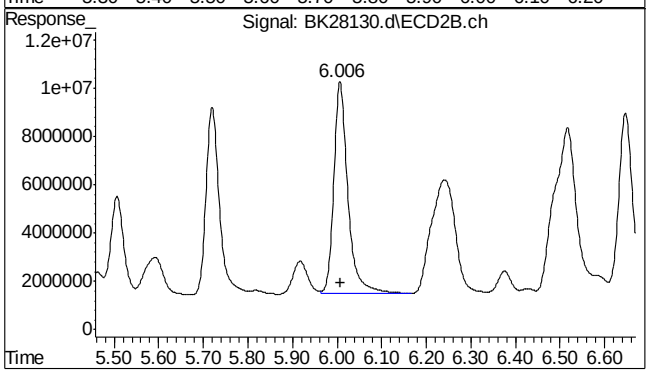
#7 AR1260-A

R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 161408726
Conc: 448.80 ppb m



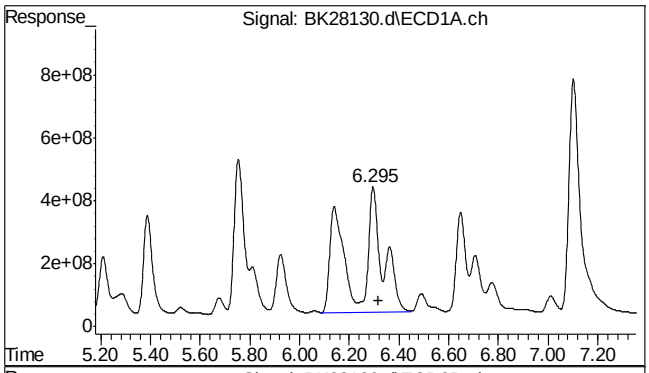
#8 AR1260-B

R.T.: 5.753 min
Delta R.T.: -0.022 min
Response: 16737173899
Conc: 519.22 ppb m



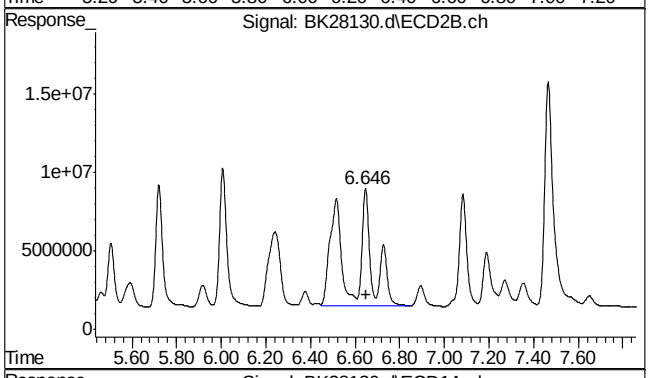
#8 AR1260-B

R.T.: 6.006 min
Delta R.T.: -0.002 min
Response: 196355572
Conc: 457.55 ppb m



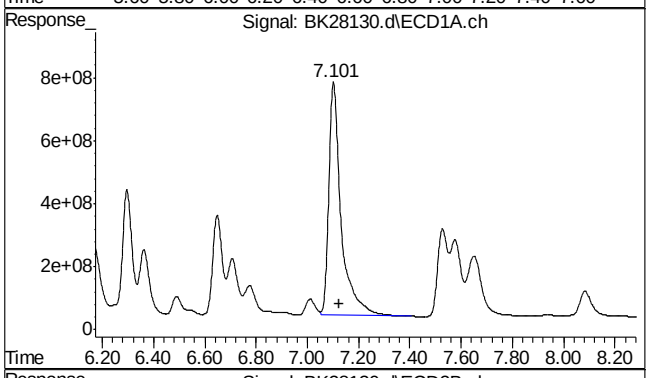
#9 AR1260-C

R.T.: 6.295 min
Delta R.T.: -0.022 min
Response: 29262743157
Conc: 515.36 ppb m



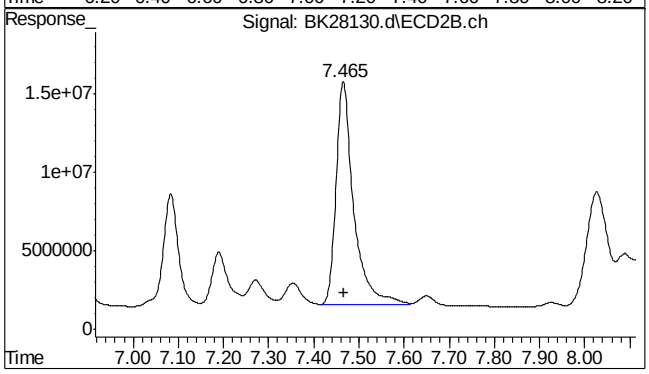
#9 AR1260-C

R.T.: 6.646 min
Delta R.T.: -0.001 min
Response: 499409233
Conc: 461.01 ppb m



#10 AR1260-D

R.T.: 7.101 min
Delta R.T.: -0.022 min
Response: 24801823982
Conc: 554.57 ppb m

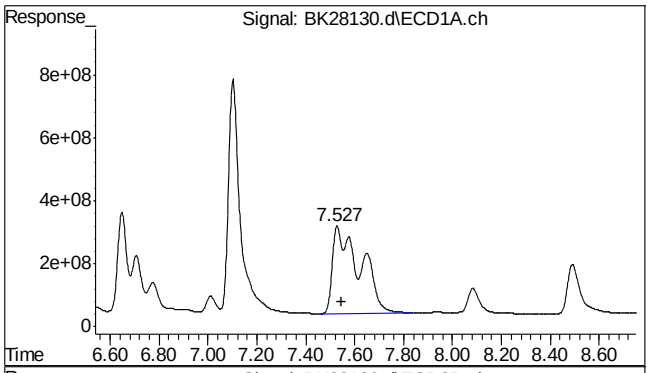


#10 AR1260-D

R.T.: 7.465 min
Delta R.T.: -0.002 min
Response: 384141115
Conc: 465.96 ppb m

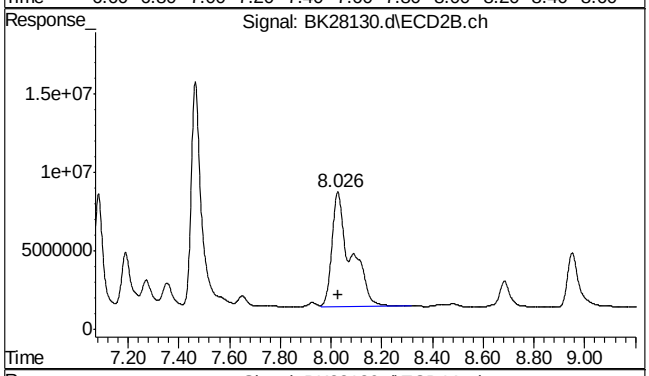
9.6.31

9



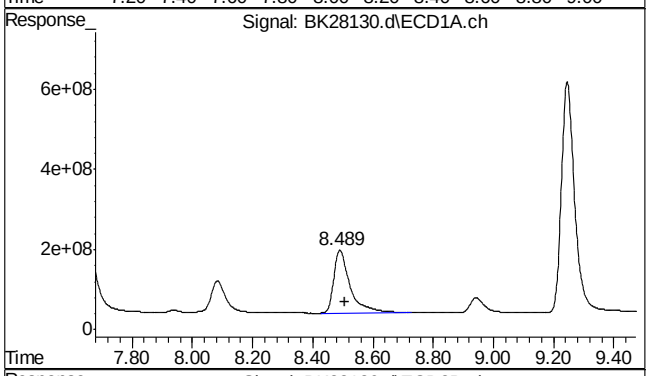
#11 AR1260-E

R.T.: 7.527 min
Delta R.T.: -0.021 min
Response: 21857313473
Conc: 540.48 ppb m



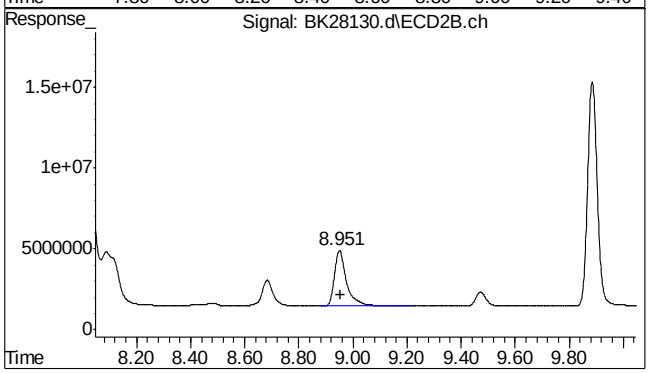
#11 AR1260-E

R.T.: 8.026 min
Delta R.T.: -0.004 min
Response: 372923719
Conc: 464.90 ppb m



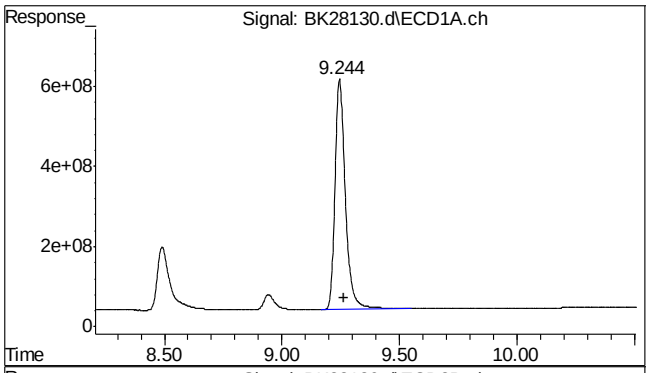
#12 AR1260-F

R.T.: 8.489 min
Delta R.T.: -0.019 min
Response: 5888297742
Conc: 584.85 m



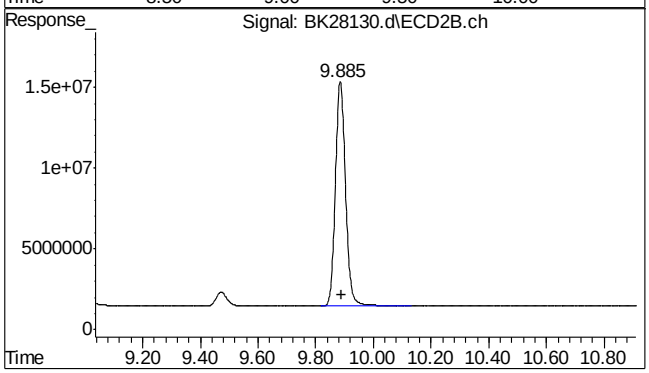
#12 AR1260-F

R.T.: 8.951 min
Delta R.T.: -0.002 min
Response: 108736659
Conc: 475.60 m



#13 DCB

R.T.: 9.244 min
Delta R.T.: -0.021 min
Response: 17633127155
Conc: 53.33 ppb m



#13 DCB

R.T.: 9.885 min
Delta R.T.: -0.005 min
Response: 340483893
Conc: 42.77 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28131.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 11:54 am
Operator : nickk
Sample : ic958-250,a16/60
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 104 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 17:31:27 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 19 17:21:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.398	2.371	9530.6E6	241.1E6	36.287m	32.543m
	Spiked Amount 40.000			Recovery =		90.72%	81.36%
13) s	DCB	9.246	9.886	13256.4E6	255.6E6	41.171m	30.870m#
	Spiked Amount 40.000			Recovery =		102.93%	77.18%
	Target Compounds						
2)	AR1016-A	2.685	2.758	862.2E6	27872571	199.674m	222.980m
3)	AR1016-B	2.984	3.102	2107.9E6	56961300	212.993	213.194m
4)	AR1016-C	3.413	3.533	4679.5E6	100.8E6	213.270	195.217m
5)	AR1016-D	3.551	3.667	2891.7E6	40153763	216.021m	196.122m
6)	AR1016-E	3.953f	4.158	1856.6E6	50309989	210.175m	202.523m
7)	AR1260-A	5.389	5.721	3453.0E6	74284061	219.345m	206.549m
8)	AR1260-B	5.755	6.008	7295.0E6	88203764	226.308m	205.534m
9)	AR1260-C	6.297	6.648	12861.9E6	225.8E6	226.519m	208.418m
10)	AR1260-D	7.102	7.466	10591.4E6	163.9E6	236.826m	198.857m
11)	AR1260-E	7.576	8.028	9391.7E6	165.8E6	232.232m	206.632m
12)	AR1260-F	8.492	8.952	2494.5E6	47364136	247.763m	207.165m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

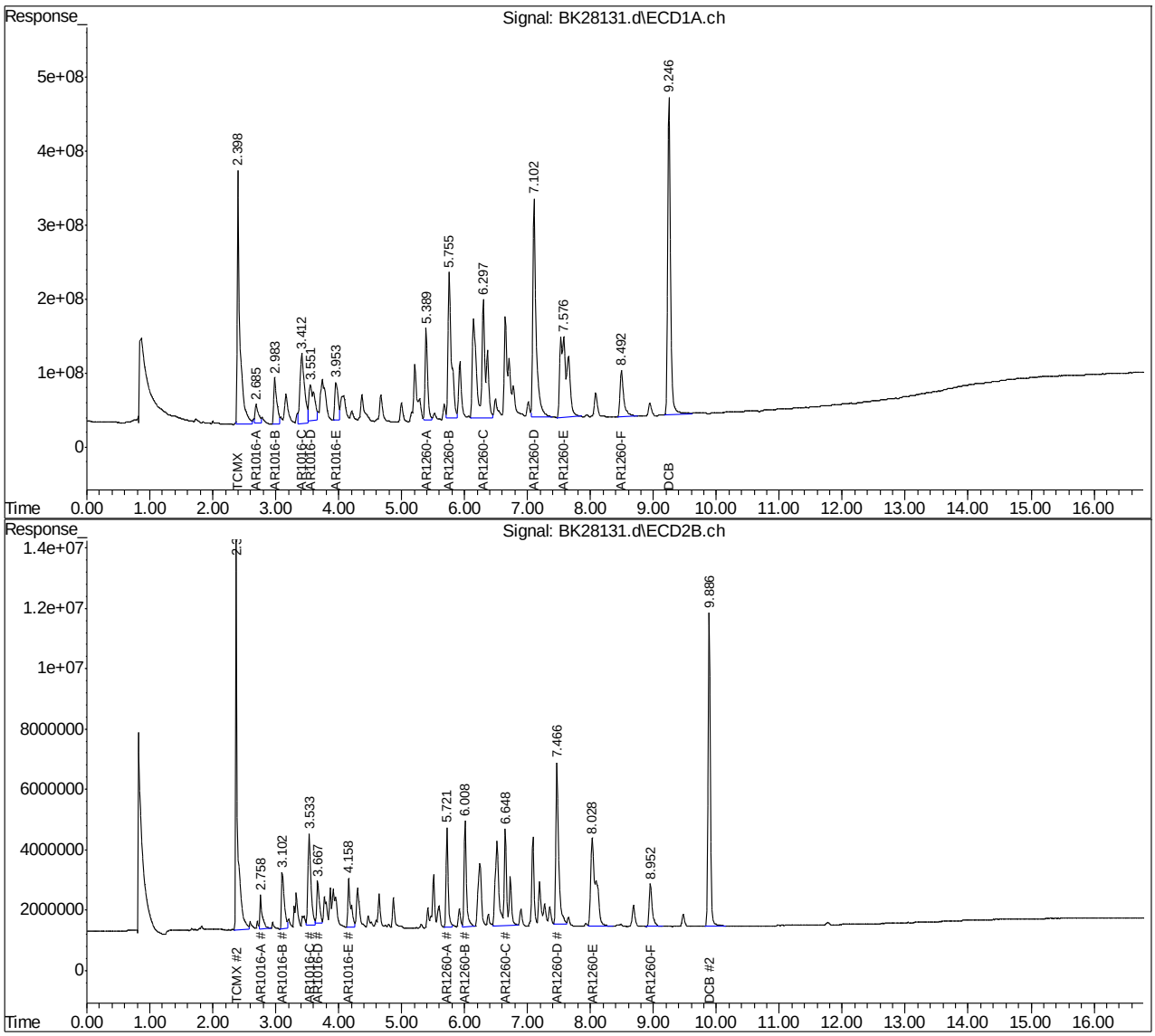
9.6.32

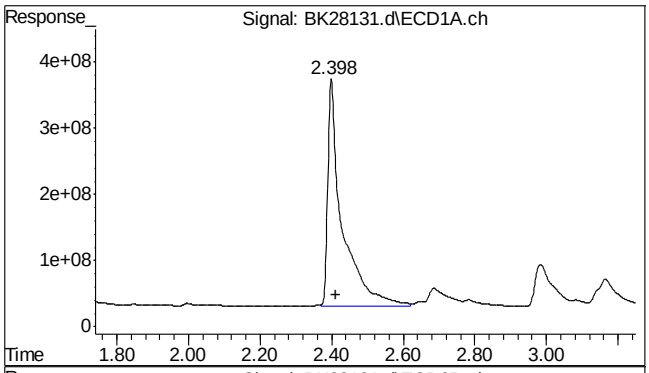
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28131.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 11:54 am
Operator : nickk
Sample : ic958-250,a16/60
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 104 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 17:31:27 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 19 17:21:58 2013
Response via : Initial Calibration
Integrator: ChemStation

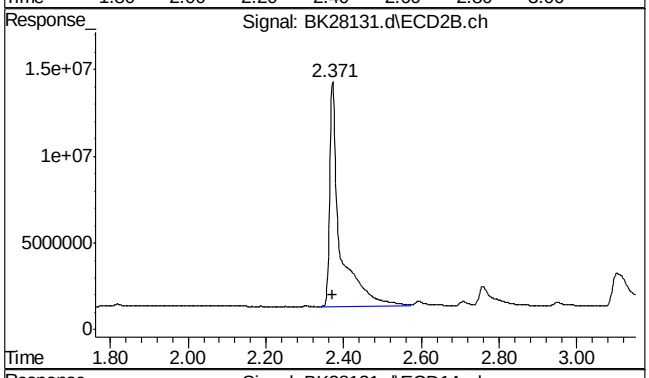
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





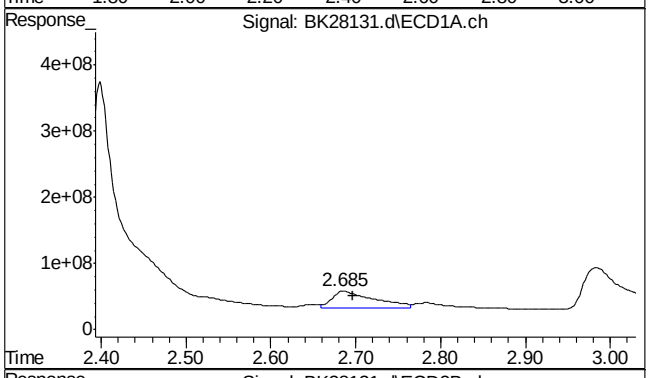
#1 TCMX

R.T.: 2.398 min
Delta R.T.: -0.013 min
Response: 9530568556
Conc: 36.29 ppb m



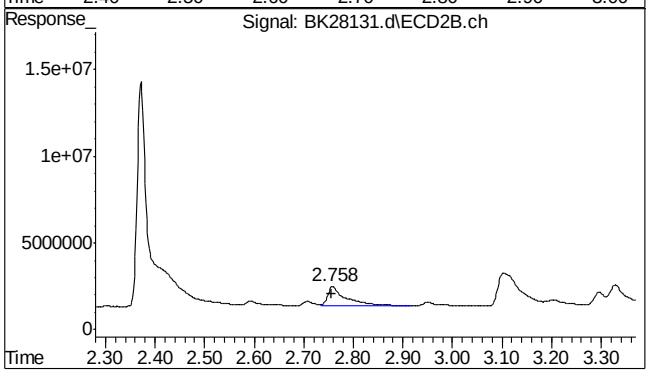
#1 TCMX

R.T.: 2.371 min
Delta R.T.: 0.000 min
Response: 241126092
Conc: 32.54 ppb m



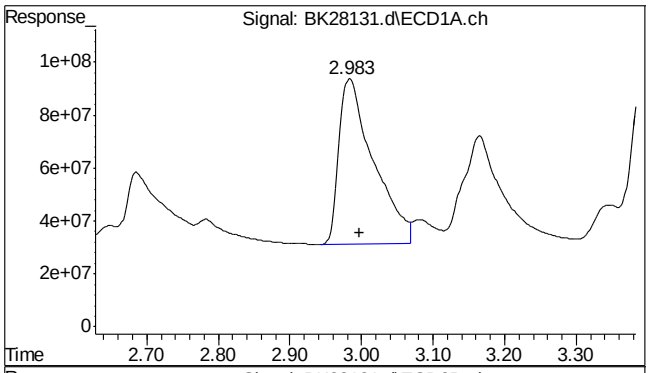
#2 AR1016-A

R.T.: 2.685 min
Delta R.T.: -0.011 min
Response: 862201682
Conc: 199.67 ppb m



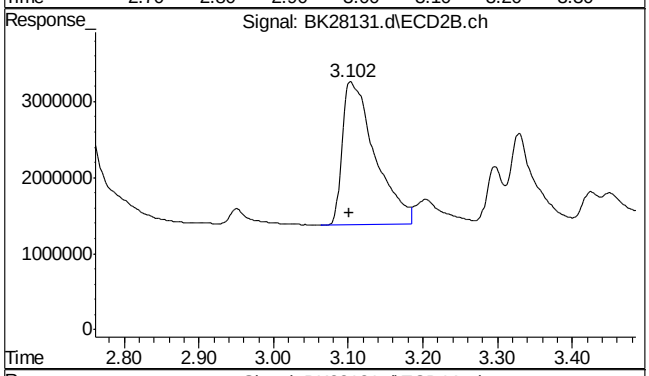
#2 AR1016-A

R.T.: 2.758 min
Delta R.T.: 0.002 min
Response: 27872571
Conc: 222.98 ppb m



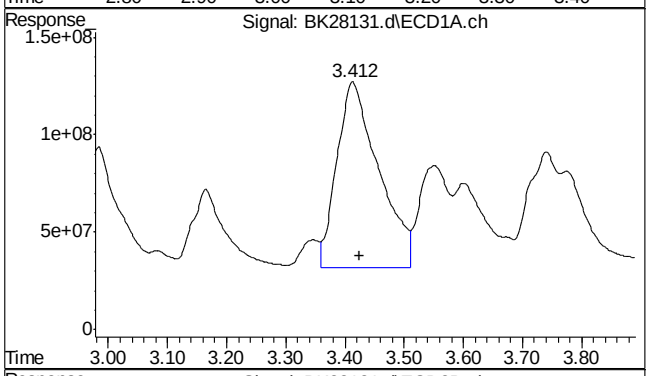
#3 AR1016-B

R.T.: 2.984 min
Delta R.T.: -0.014 min
Response: 2107944670
Conc: 212.99 ppb



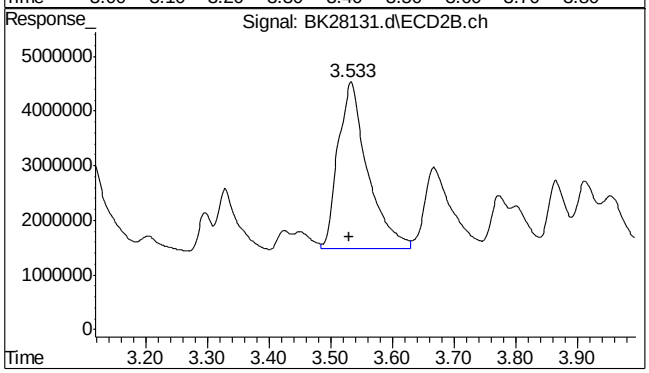
#3 AR1016-B

R.T.: 3.102 min
Delta R.T.: 0.001 min
Response: 56961300
Conc: 213.19 ppb m



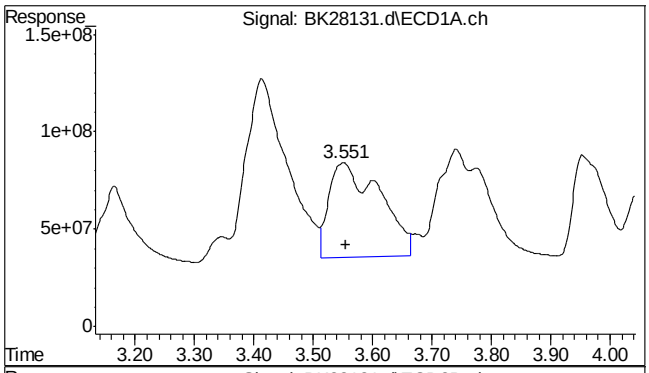
#4 AR1016-C

R.T.: 3.413 min
Delta R.T.: -0.012 min
Response: 4679484606
Conc: 213.27 ppb



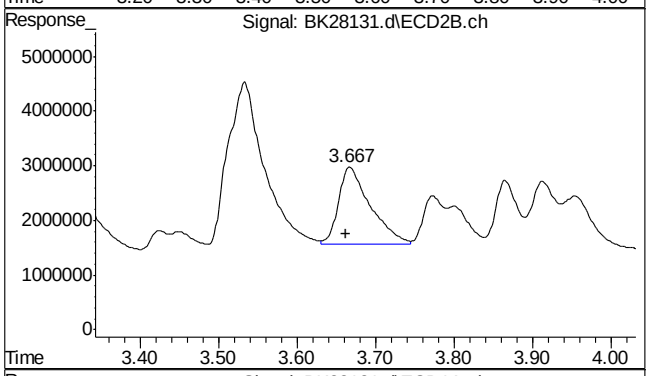
#4 AR1016-C

R.T.: 3.533 min
Delta R.T.: 0.003 min
Response: 100757315
Conc: 195.22 ppb m



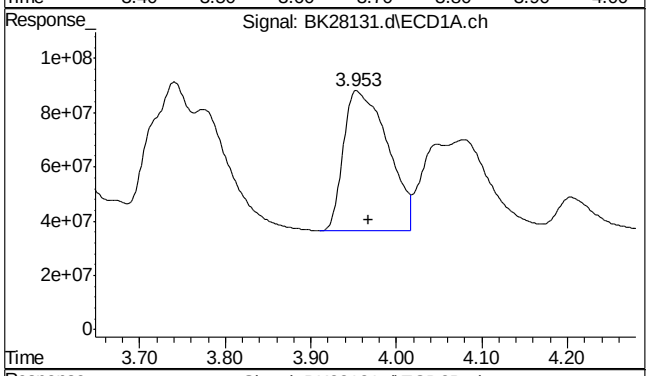
#5 AR1016-D

R.T.: 3.551 min
Delta R.T.: -0.004 min
Response: 2891657861
Conc: 216.02 m



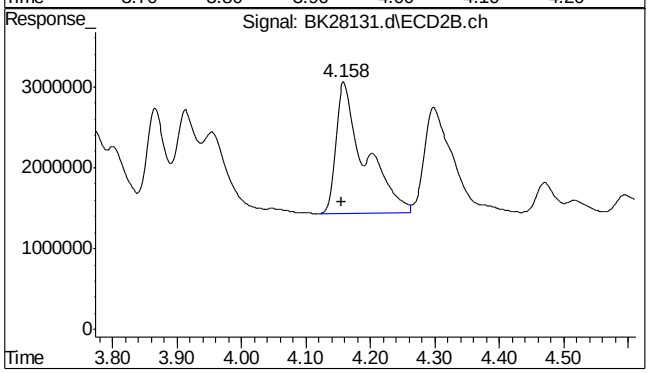
#5 AR1016-D

R.T.: 3.667 min
Delta R.T.: 0.003 min
Response: 40153763
Conc: 196.12 m



#6 AR1016-E

R.T.: 3.953 min
Delta R.T.: -0.015 min
Response: 1856583114
Conc: 210.18 m



#6 AR1016-E

R.T.: 4.158 min
Delta R.T.: 0.003 min
Response: 50309989
Conc: 202.52 m

9.6.32

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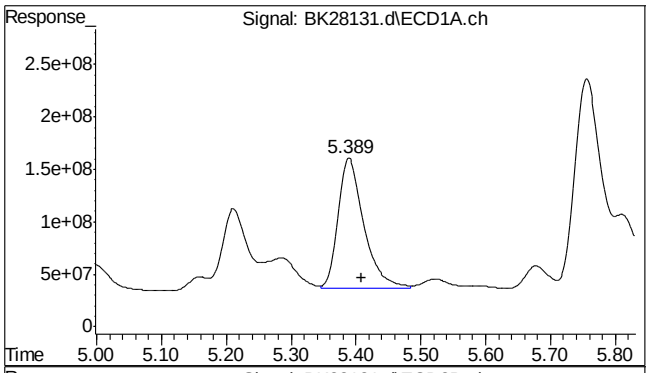
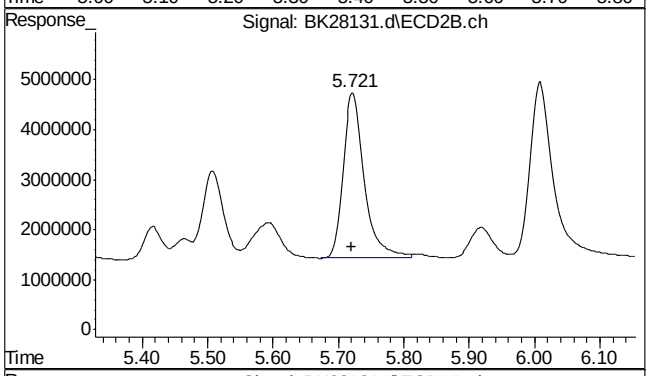


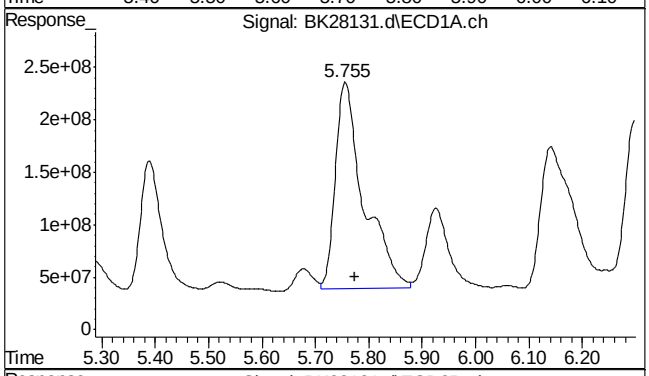
#7 AR1260-A

R.T.: 5.389 min
Delta R.T.: -0.020 min
Response: 3453003912
Conc: 219.35 ppb m



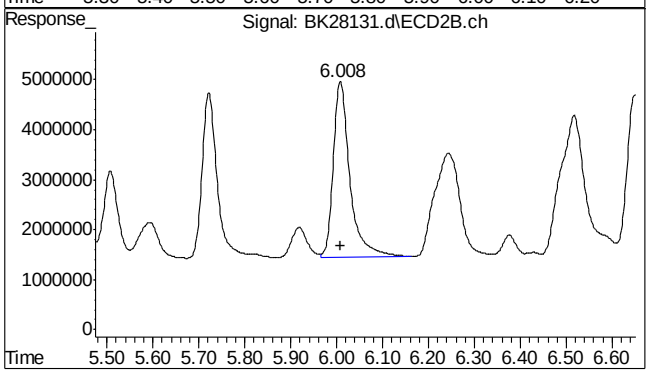
#7 AR1260-A

R.T.: 5.721 min
Delta R.T.: 0.002 min
Response: 74284061
Conc: 206.55 ppb m



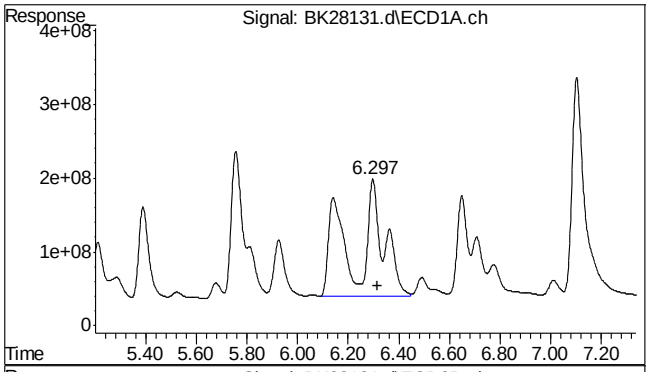
#8 AR1260-B

R.T.: 5.755 min
Delta R.T.: -0.020 min
Response: 7295036589
Conc: 226.31 ppb m



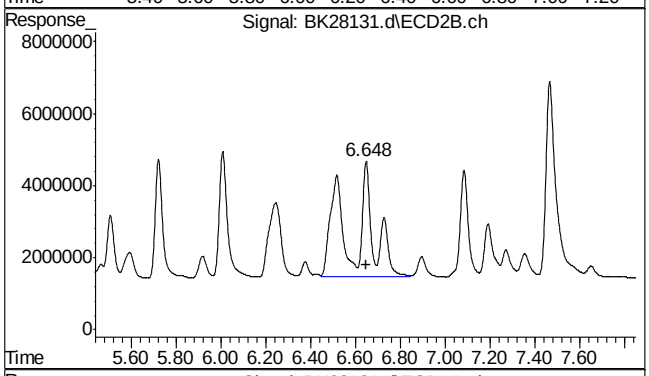
#8 AR1260-B

R.T.: 6.008 min
Delta R.T.: 0.000 min
Response: 88203764
Conc: 205.53 ppb m



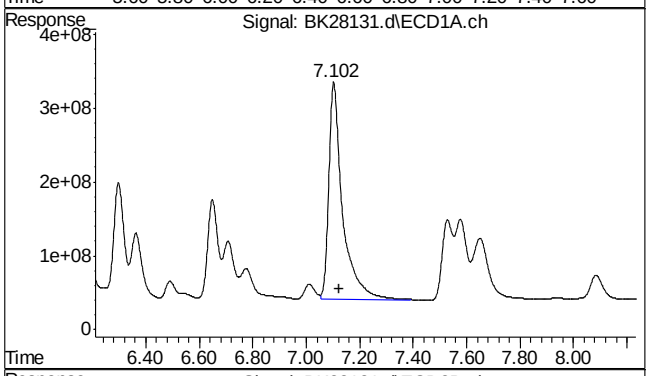
#9 AR1260-C

R.T.: 6.297 min
Delta R.T.: -0.020 min
Response: 12861916676
Conc: 226.52 ppb m



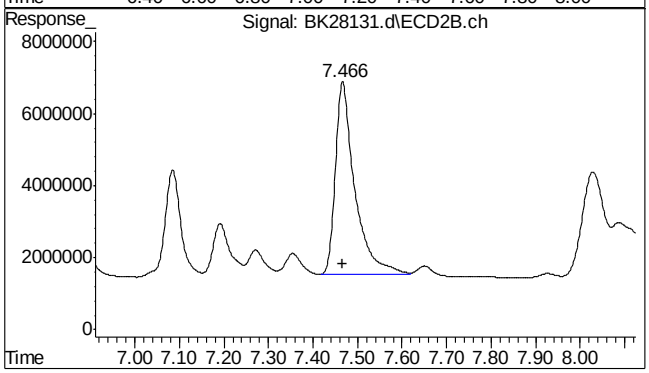
#9 AR1260-C

R.T.: 6.648 min
Delta R.T.: 0.000 min
Response: 225776380
Conc: 208.42 ppb m



#10 AR1260-D

R.T.: 7.102 min
Delta R.T.: -0.021 min
Response: 10591412275
Conc: 236.83 ppb m



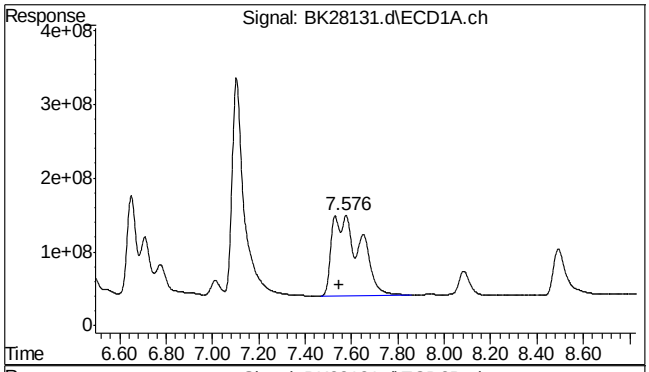
#10 AR1260-D

R.T.: 7.466 min
Delta R.T.: 0.000 min
Response: 163937484
Conc: 198.86 ppb m

9.6.32

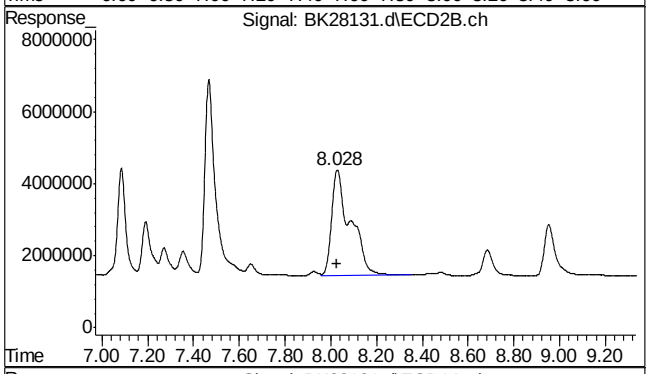
9

ACCUTEST LABORATORIES
MC23456



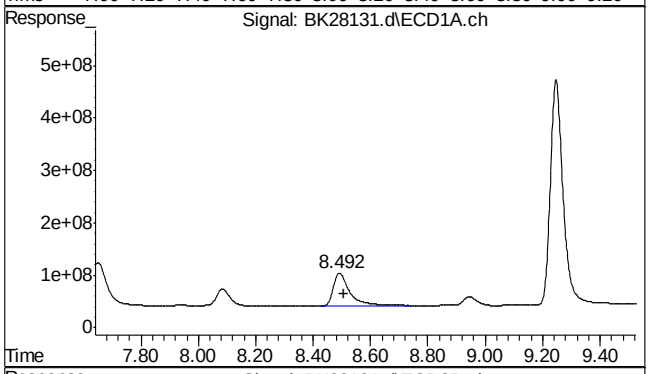
#11 AR1260-E

R.T.: 7.576 min
Delta R.T.: 0.028 min
Response: 9391686442
Conc: 232.23 ppb m



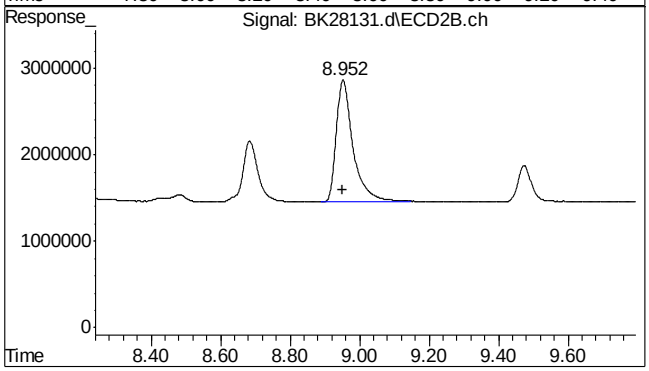
#11 AR1260-E

R.T.: 8.028 min
Delta R.T.: -0.002 min
Response: 165750381
Conc: 206.63 ppb m



#12 AR1260-F

R.T.: 8.492 min
Delta R.T.: -0.016 min
Response: 2494498590
Conc: 247.76 m

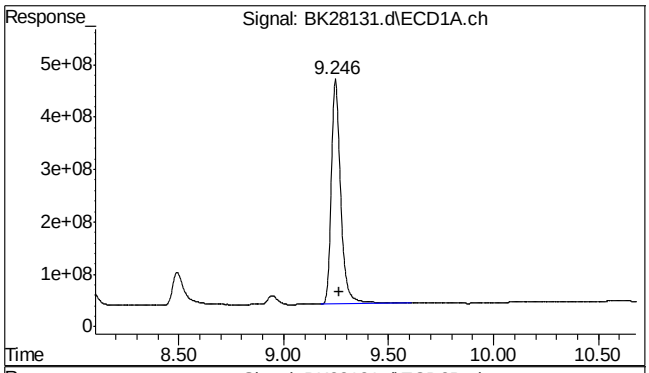


#12 AR1260-F

R.T.: 8.952 min
Delta R.T.: 0.000 min
Response: 47364136
Conc: 207.16 m

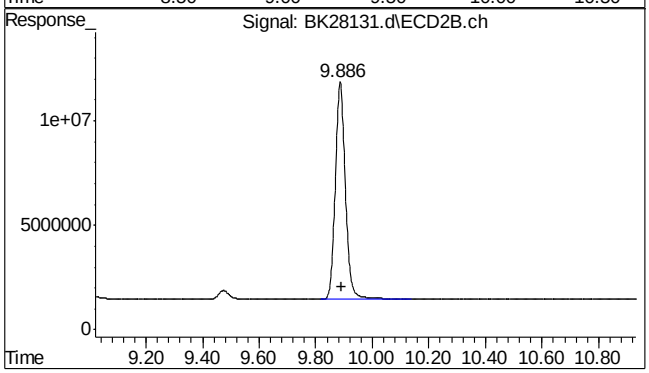
9.6.32

9



#13 DCB

R.T.: 9.246 min
Delta R.T.: -0.019 min
Response: 13256416556
Conc: 41.17 ppb m



#13 DCB

R.T.: 9.886 min
Delta R.T.: -0.003 min
Response: 255596685
Conc: 30.87 ppb m

9.6.32

9

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28132.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 12:13 pm
Operator : nickk
Sample : ic958-100,a16/60
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 105 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 17:33:49 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 19 17:21:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.400	2.373	3932.6E6	105.4E6	14.973m	14.230m
	Spiked Amount 40.000			Recovery	=	37.43%	35.58%
13) s	DCB	9.247	9.887	6038.4E6	117.3E6	18.288m	13.717m
	Spiked Amount 40.000			Recovery	=	45.72%	34.29%
	Target Compounds						
2)	AR1016-A	2.686	2.759	424.8E6	11621804	98.384m	92.974m
3)	AR1016-B	2.982	3.103	910.9E6	26102435	92.042m	97.696m
4)	AR1016-C	3.411	3.533	1973.1E6	47252618	89.924m	91.552m
5)	AR1016-D	3.549	3.666	1317.4E6	19533490	98.415m	95.407m
6)	AR1016-E	3.951f	4.158	847.8E6	22977982	95.972m	92.498m
7)	AR1260-A	5.388	5.721	1611.6E6	33905017	102.375	94.274m
8)	AR1260-B	5.754	6.008	3225.5E6	40041472	100.061m	93.305m
9)	AR1260-C	6.296	6.647	5614.8E6	99482182	98.886m	91.834m
10)	AR1260-D	7.103	7.466	4687.1E6	72198650	104.805	87.577m
11)	AR1260-E	7.576	8.028	4072.5E6	73202877	100.704m	91.258m
12)	AR1260-F	8.492	8.956	1046.6E6	21174952	103.948m	92.616m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9.6.33

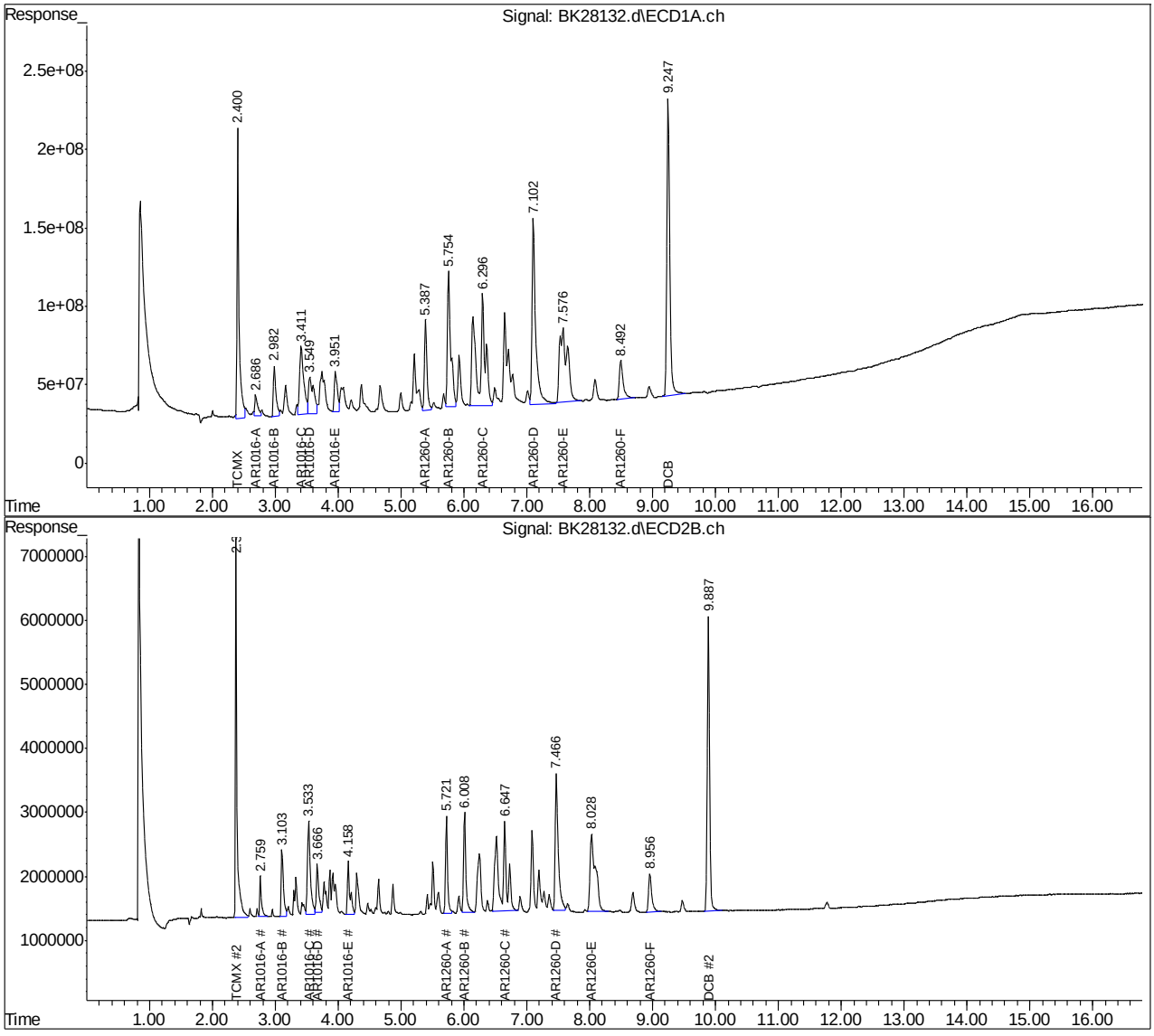
9

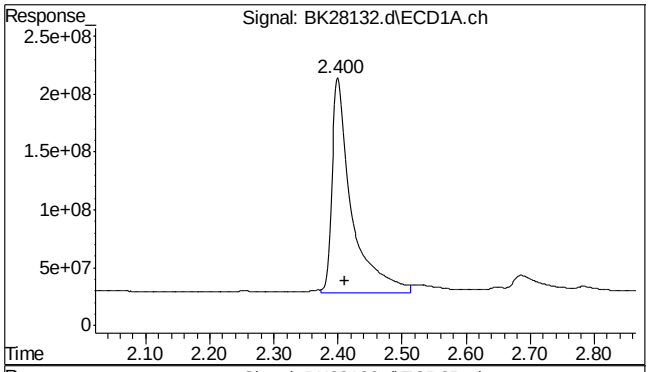
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28132.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 12:13 pm
Operator : nickk
Sample : ic958-100,a16/60
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 105 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 17:33:49 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 19 17:21:58 2013
Response via : Initial Calibration
Integrator: ChemStation

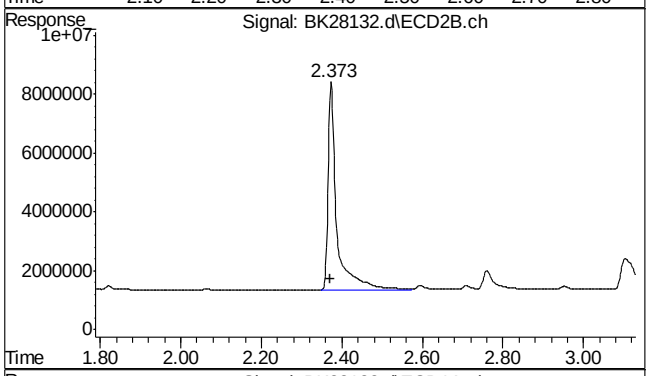
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





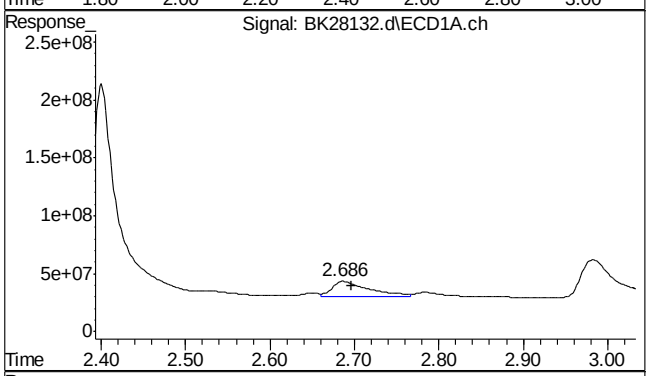
#1 TCMX

R.T.: 2.400 min
Delta R.T.: -0.011 min
Response: 3932636715
Conc: 14.97 ppb m



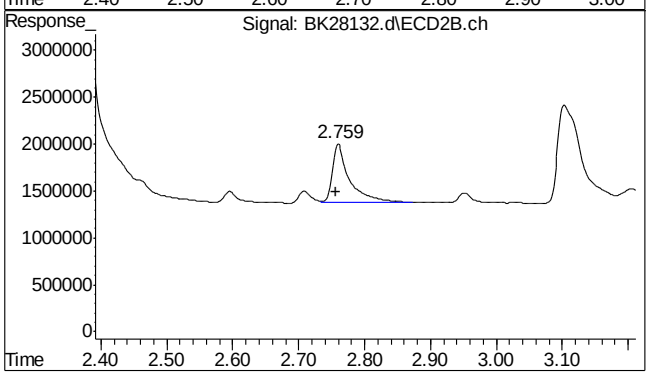
#1 TCMX

R.T.: 2.373 min
Delta R.T.: 0.002 min
Response: 105436473
Conc: 14.23 ppb m



#2 AR1016-A

R.T.: 2.686 min
Delta R.T.: -0.010 min
Response: 424827495
Conc: 98.38 ppb m

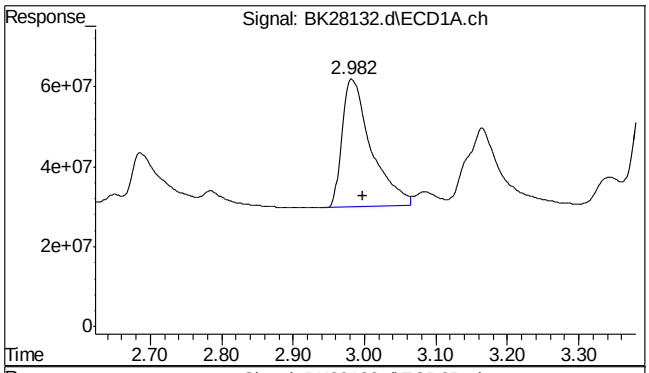


#2 AR1016-A

R.T.: 2.759 min
Delta R.T.: 0.003 min
Response: 11621804
Conc: 92.97 ppb m

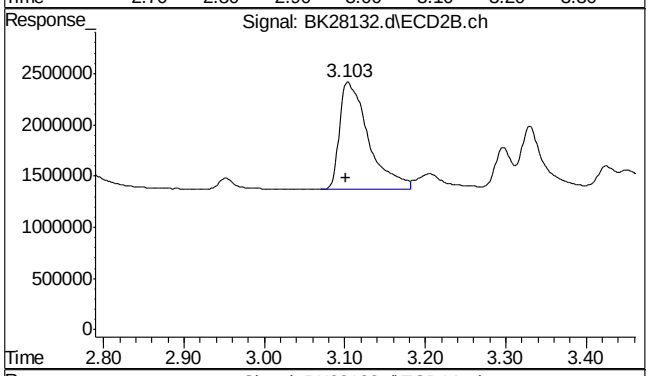
9.6.33

9



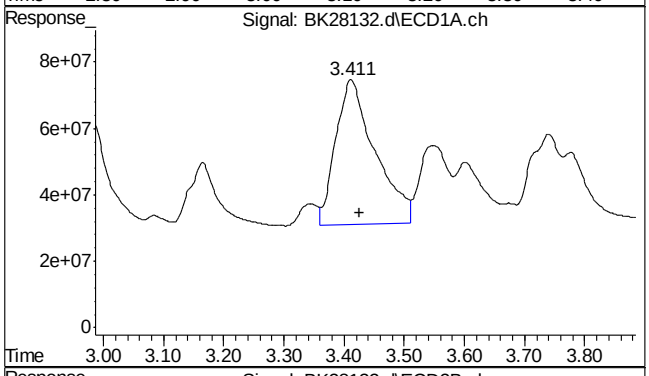
#3 AR1016-B

R.T.: 2.982 min
Delta R.T.: -0.015 min
Response: 910921085
Conc: 92.04 ppb m



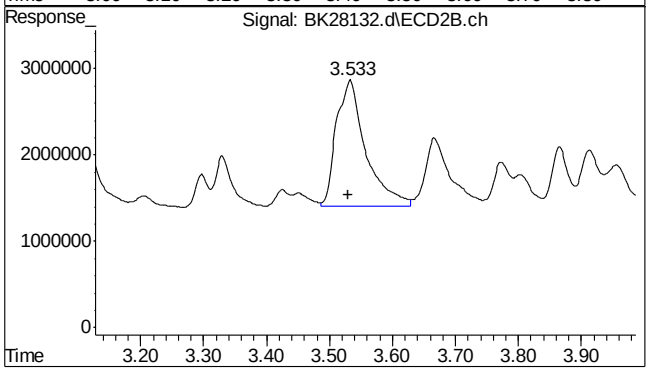
#3 AR1016-B

R.T.: 3.103 min
Delta R.T.: 0.002 min
Response: 26102435
Conc: 97.70 ppb m



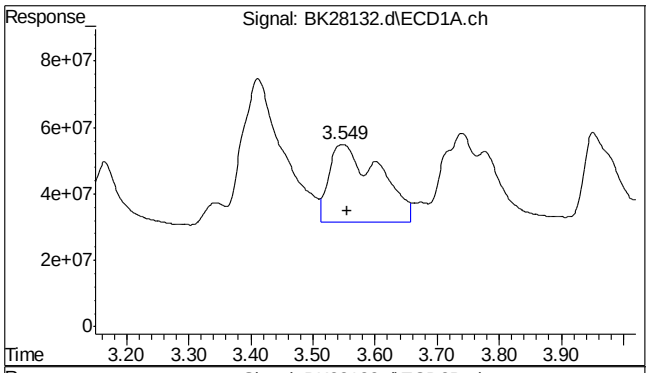
#4 AR1016-C

R.T.: 3.411 min
Delta R.T.: -0.014 min
Response: 1973073217
Conc: 89.92 ppb m



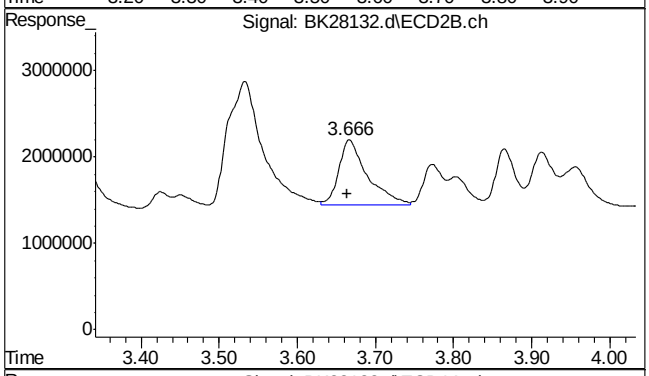
#4 AR1016-C

R.T.: 3.533 min
Delta R.T.: 0.003 min
Response: 47252618
Conc: 91.55 ppb m



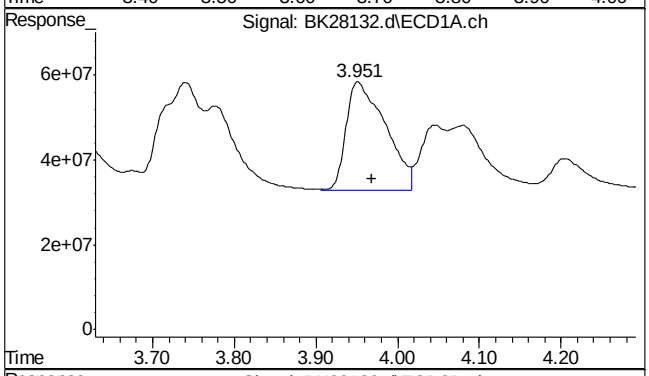
#5 AR1016-D

R.T.: 3.549 min
Delta R.T.: -0.006 min
Response: 1317378958
Conc: 98.41 m



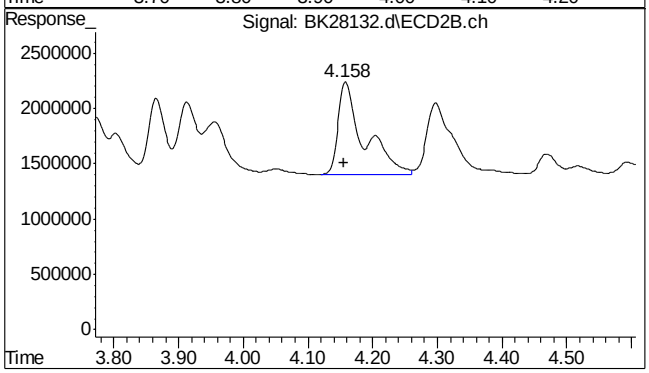
#5 AR1016-D

R.T.: 3.666 min
Delta R.T.: 0.003 min
Response: 19533490
Conc: 95.41 m



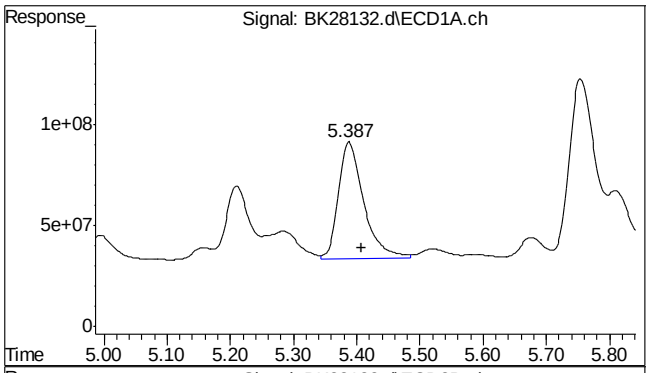
#6 AR1016-E

R.T.: 3.951 min
Delta R.T.: -0.017 min
Response: 847770571
Conc: 95.97 m



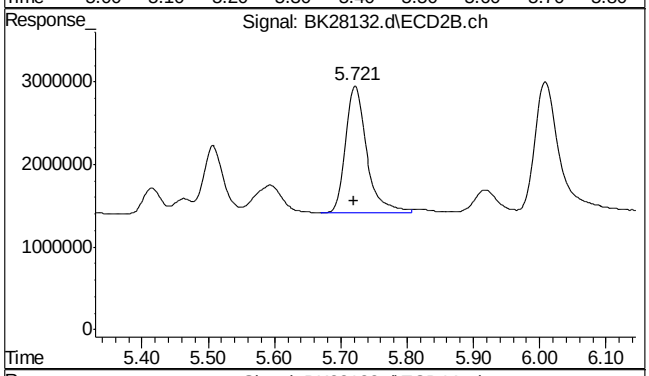
#6 AR1016-E

R.T.: 4.158 min
Delta R.T.: 0.002 min
Response: 22977982
Conc: 92.50 m



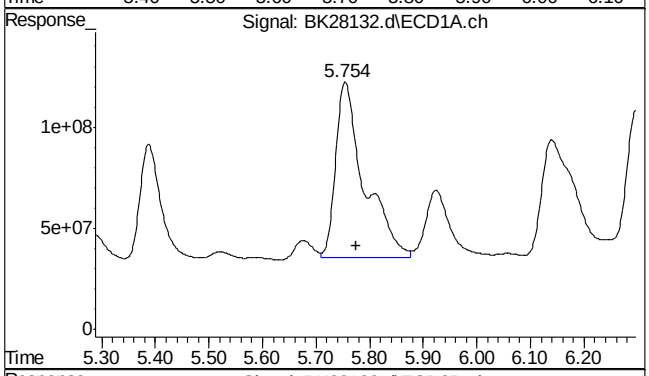
#7 AR1260-A

R.T.: 5.388 min
Delta R.T.: -0.020 min
Response: 1611612831
Conc: 102.37 ppb



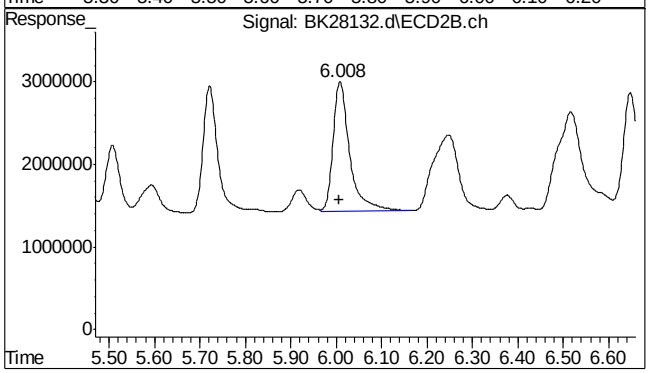
#7 AR1260-A

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 33905017
Conc: 94.27 ppb m



#8 AR1260-B

R.T.: 5.754 min
Delta R.T.: -0.021 min
Response: 3225482368
Conc: 100.06 ppb m

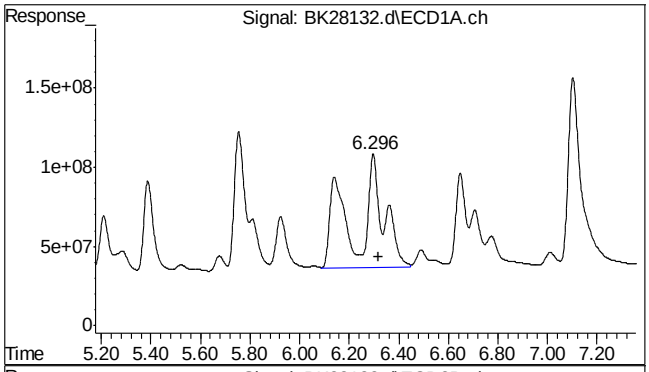


#8 AR1260-B

R.T.: 6.008 min
Delta R.T.: 0.000 min
Response: 40041472
Conc: 93.31 ppb m

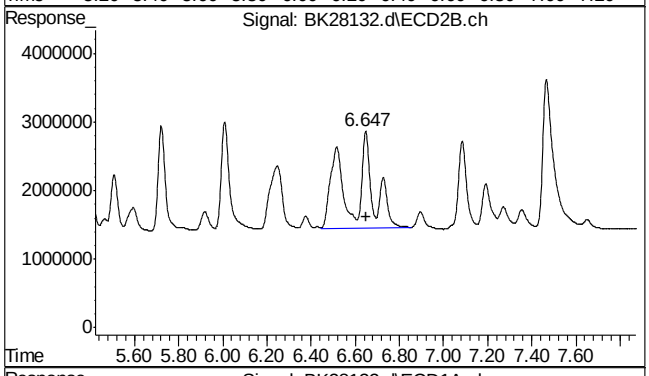
9.6.33

9



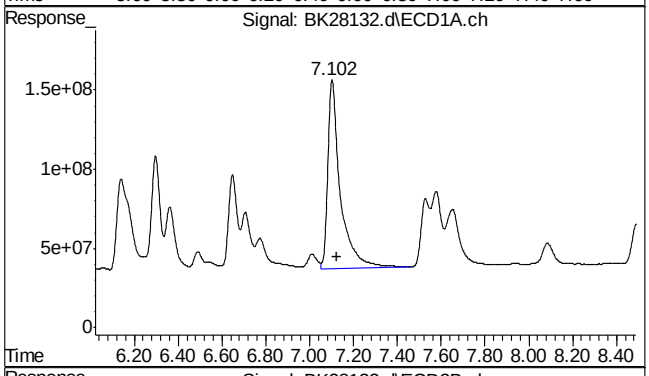
#9 AR1260-C

R.T.: 6.296 min
Delta R.T.: -0.021 min
Response: 5614826025
Conc: 98.89 ppb m



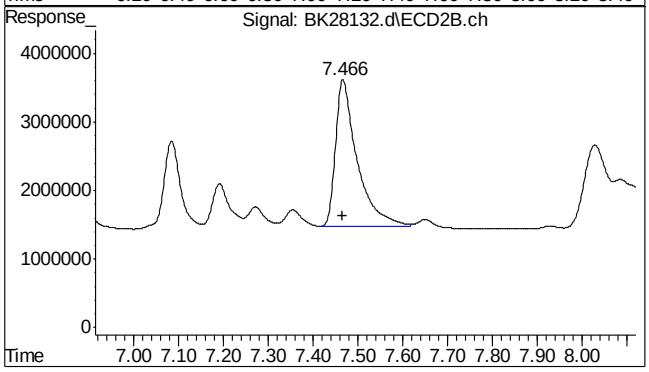
#9 AR1260-C

R.T.: 6.647 min
Delta R.T.: 0.000 min
Response: 99482182
Conc: 91.83 ppb m



#10 AR1260-D

R.T.: 7.103 min
Delta R.T.: -0.020 min
Response: 4687135556
Conc: 104.81 ppb

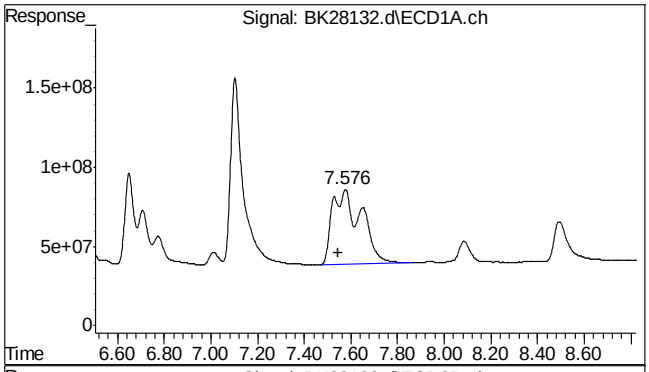


#10 AR1260-D

R.T.: 7.466 min
Delta R.T.: 0.000 min
Response: 72198650
Conc: 87.58 ppb m

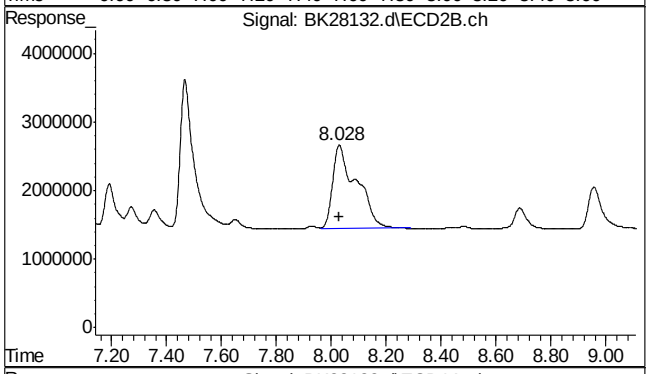
9.6.33

9



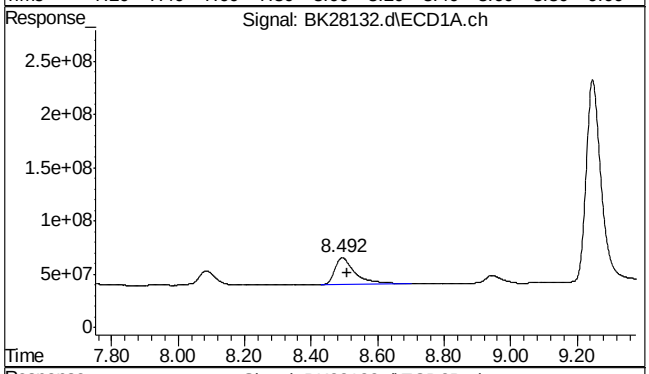
#11 AR1260-E

R.T.: 7.576 min
Delta R.T.: 0.028 min
Response: 4072541887
Conc: 100.70 ppb m



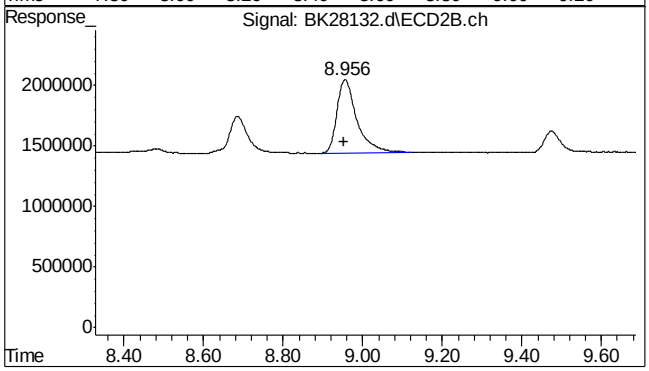
#11 AR1260-E

R.T.: 8.028 min
Delta R.T.: -0.002 min
Response: 73202877
Conc: 91.26 ppb m



#12 AR1260-F

R.T.: 8.492 min
Delta R.T.: -0.017 min
Response: 1046559481
Conc: 103.95 m

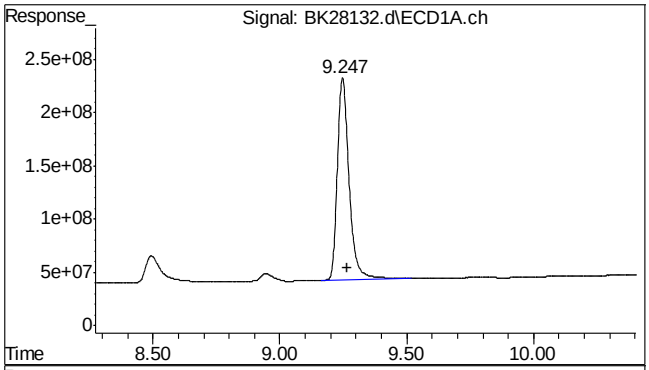


#12 AR1260-F

R.T.: 8.956 min
Delta R.T.: 0.003 min
Response: 21174952
Conc: 92.62 m

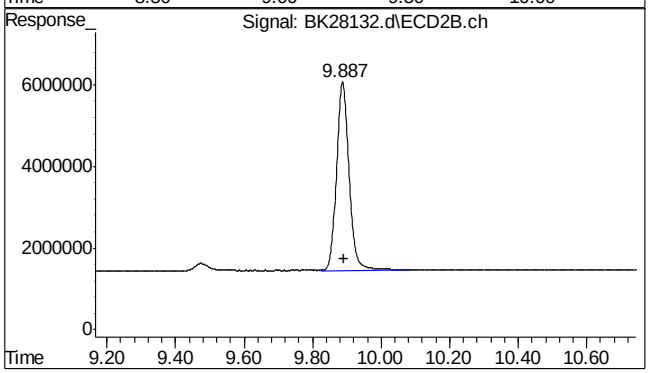
9.6.33

9



#13 DCB

R.T.: 9.247 min
Delta R.T.: -0.019 min
Response: 6038378897
Conc: 18.29 ppb m



#13 DCB

R.T.: 9.887 min
Delta R.T.: -0.003 min
Response: 117300233
Conc: 13.72 ppb m

9.6.33

9

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28133.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 12:32 pm
Operator : nickk
Sample : ic958-50,a16/60
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 106 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 17:38:16 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 19 17:21:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.400	2.375	2266.9E6	62529165	8.631m	8.439m
	Spiked Amount 40.000			Recovery	=	21.58%	21.10%
13) s	DCB	9.246	9.886	3771.6E6	76294333	10.075m	9.036m
	Spiked Amount 40.000			Recovery	=	25.19%	22.59%
	Target Compounds						
2)	AR1016-A	2.716	2.760	206.9E6	6690441	47.925m	53.523m
3)	AR1016-B	2.984	3.103	502.5E6	14230589	50.772	53.262m
4)	AR1016-C	3.412	3.532	1092.6E6	27497325	49.794	53.276m
5)	AR1016-D	3.548	3.666	693.1E6	10672792	51.777m	52.129m
6)	AR1016-E	3.950f	4.158	448.2E6	12792726	50.740m	51.497m
7)	AR1260-A	5.386	5.720	826.9E6	18990295	52.527m	52.803m
8)	AR1260-B	5.754	6.008	1679.8E6	23074359	52.110m	53.768m
9)	AR1260-C	6.295	6.647	2881.9E6	47894678	50.754m	44.212m
10)	AR1260-D	7.101	7.467	2277.4E6	39157695	50.923m	47.498m
11)	AR1260-E	7.576	8.027	2280.4E6	40441481	56.388m	50.416m
12)	AR1260-F	8.492	8.954	586.1E6	11388806	58.215m	49.813m

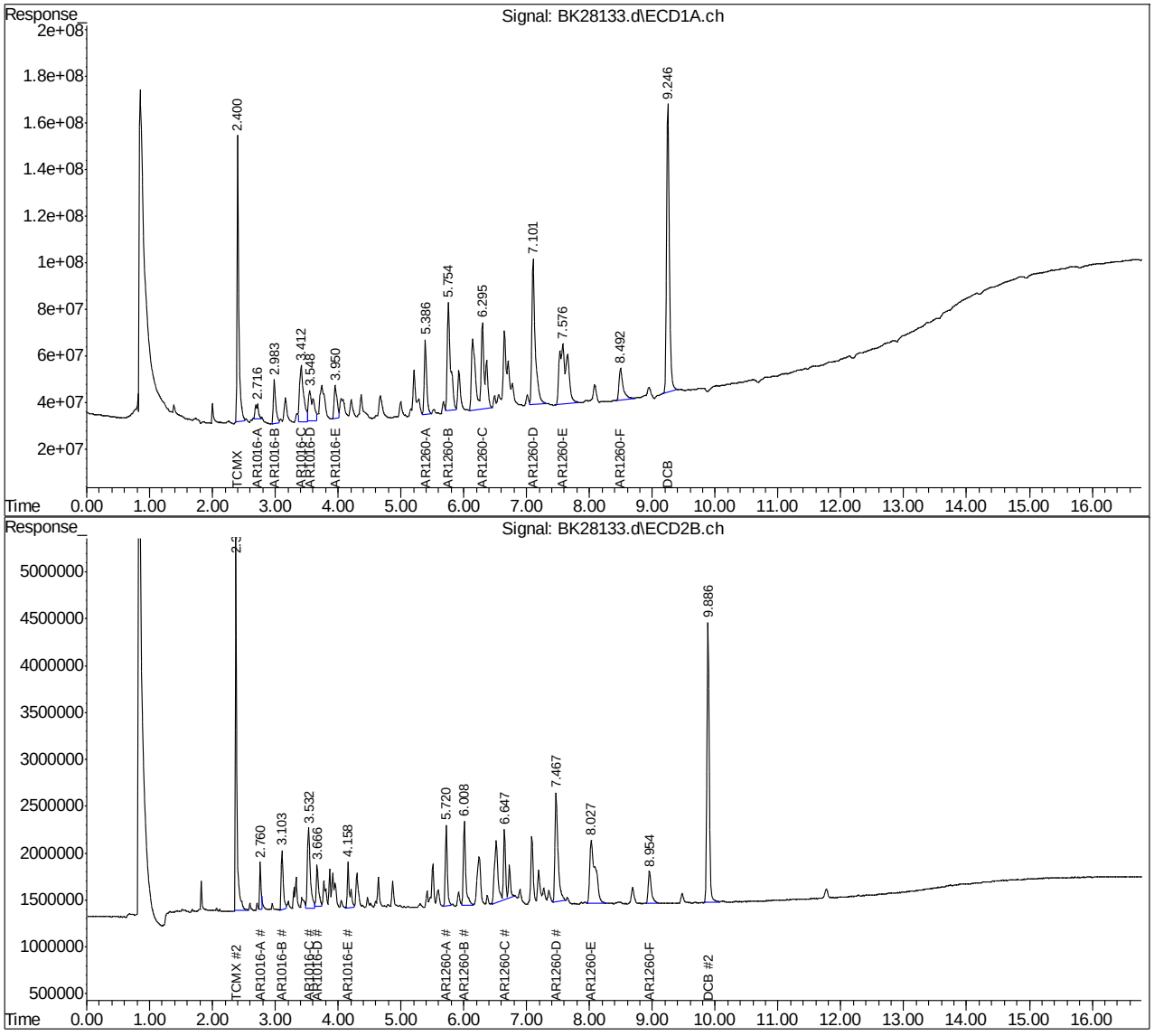
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

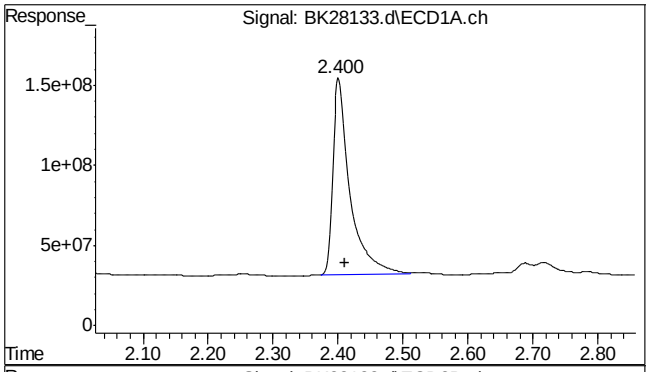
Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28133.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 12:32 pm
Operator : nickk
Sample : ic958-50,a16/60
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 106 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 17:38:16 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 19 17:21:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

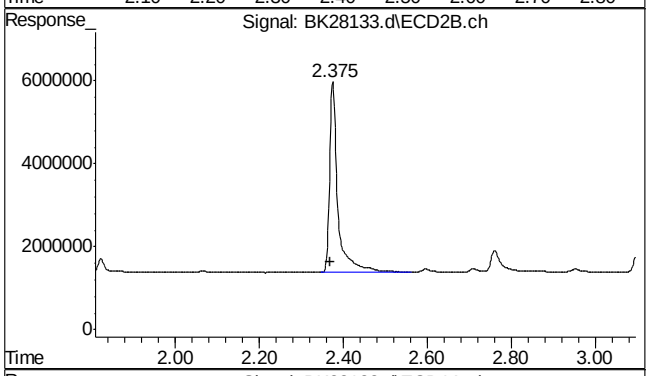


ACCUTEST LABORATORIES MC23456



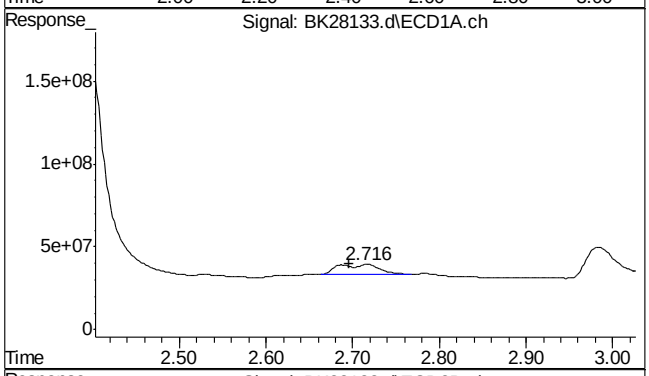
#1 TCMX

R.T.: 2.400 min
Delta R.T.: -0.011 min
Response: 2266923344
Conc: 8.63 ppb m



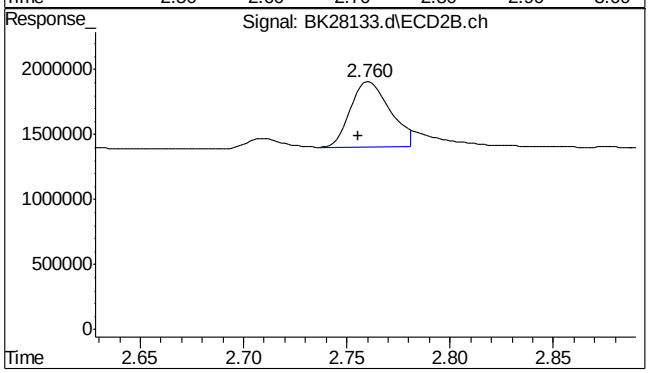
#1 TCMX

R.T.: 2.375 min
Delta R.T.: 0.004 min
Response: 62529165
Conc: 8.44 ppb m



#2 AR1016-A

R.T.: 2.716 min
Delta R.T.: 0.020 min
Response: 206940550
Conc: 47.92 ppb m

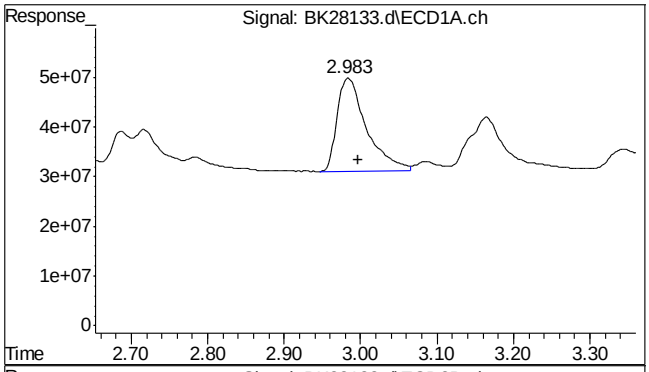


#2 AR1016-A

R.T.: 2.760 min
Delta R.T.: 0.004 min
Response: 6690441
Conc: 53.52 ppb m

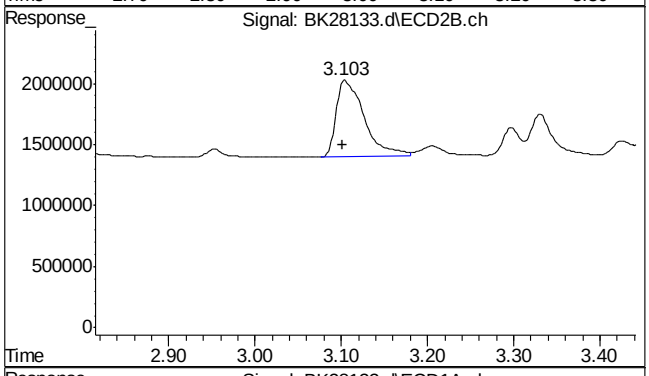
9.6.34

9



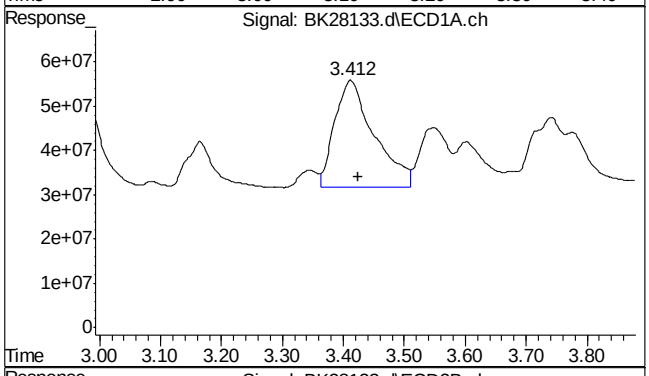
#3 AR1016-B

R.T.: 2.984 min
Delta R.T.: -0.013 min
Response: 502478476
Conc: 50.77 ppb



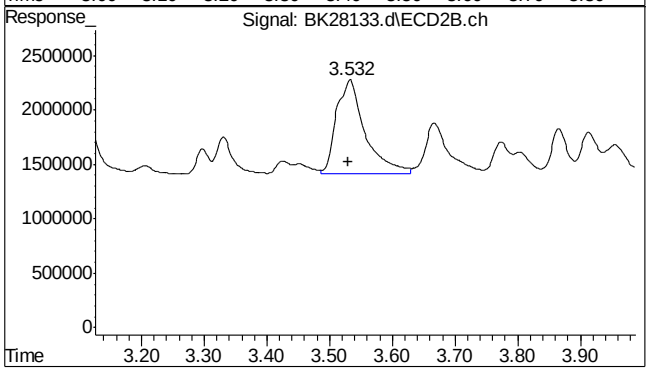
#3 AR1016-B

R.T.: 3.103 min
Delta R.T.: 0.002 min
Response: 14230589
Conc: 53.26 ppb m



#4 AR1016-C

R.T.: 3.412 min
Delta R.T.: -0.013 min
Response: 1092551257
Conc: 49.79 ppb

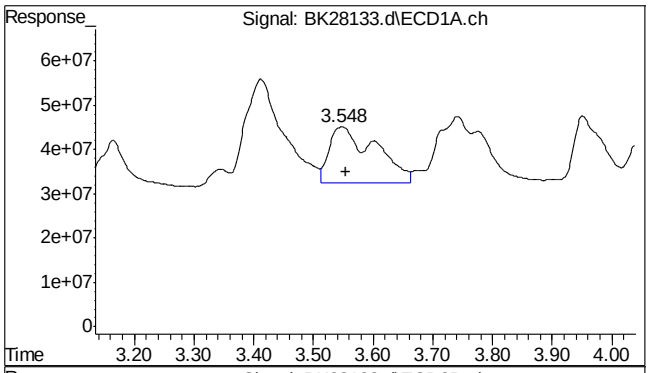


#4 AR1016-C

R.T.: 3.532 min
Delta R.T.: 0.003 min
Response: 27497325
Conc: 53.28 ppb m

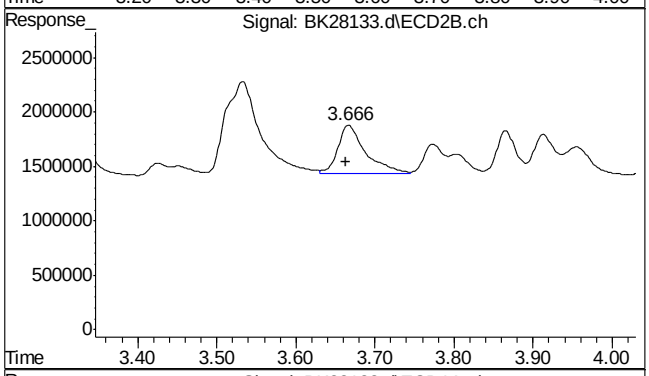
9.6.34

9



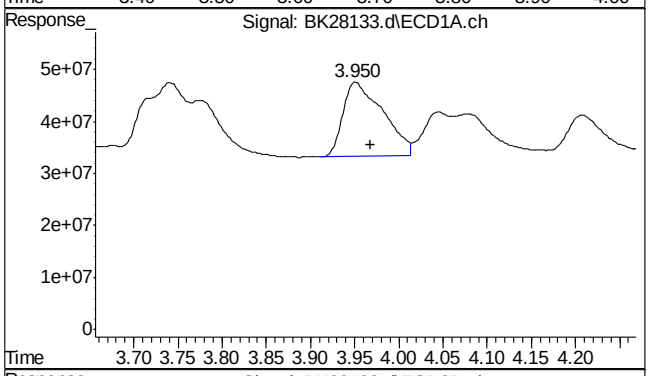
#5 AR1016-D

R.T.: 3.548 min
Delta R.T.: -0.007 min
Response: 693080494
Conc: 51.78 m



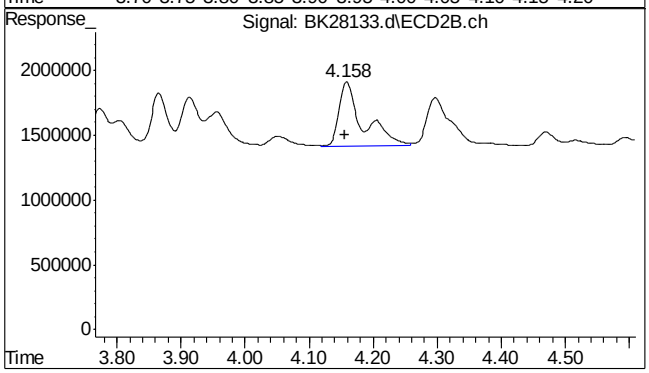
#5 AR1016-D

R.T.: 3.666 min
Delta R.T.: 0.003 min
Response: 10672792
Conc: 52.13 m



#6 AR1016-E

R.T.: 3.950 min
Delta R.T.: -0.018 min
Response: 448213847
Conc: 50.74 m

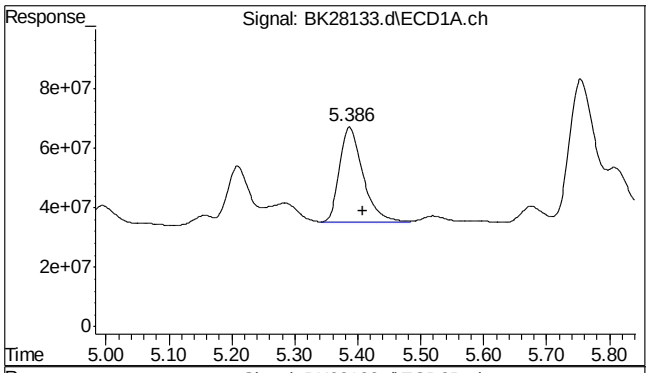


#6 AR1016-E

R.T.: 4.158 min
Delta R.T.: 0.002 min
Response: 12792726
Conc: 51.50 m

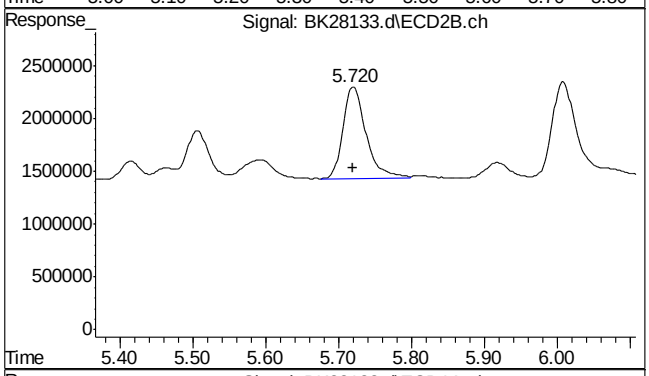
9.6.34

9



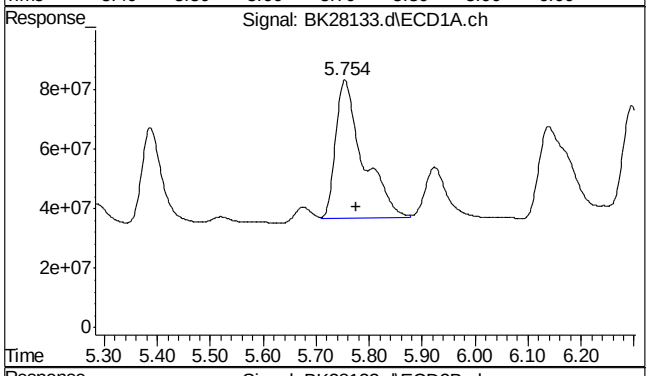
#7 AR1260-A

R.T.: 5.386 min
Delta R.T.: -0.022 min
Response: 826900863
Conc: 52.53 ppb m



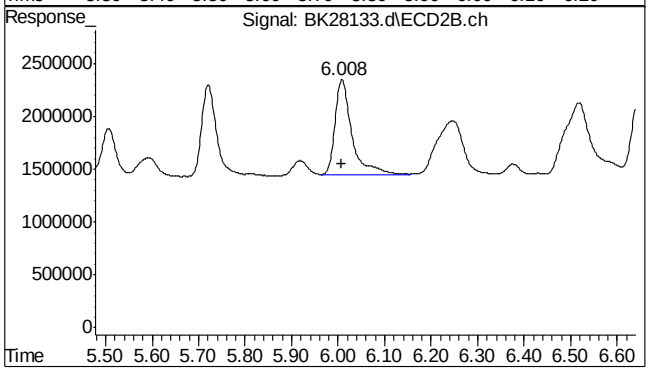
#7 AR1260-A

R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 18990295
Conc: 52.80 ppb m



#8 AR1260-B

R.T.: 5.754 min
Delta R.T.: -0.021 min
Response: 1679757066
Conc: 52.11 ppb m

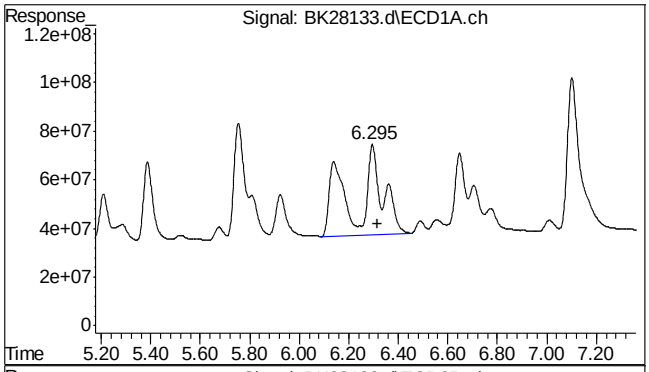


#8 AR1260-B

R.T.: 6.008 min
Delta R.T.: 0.000 min
Response: 23074359
Conc: 53.77 ppb m

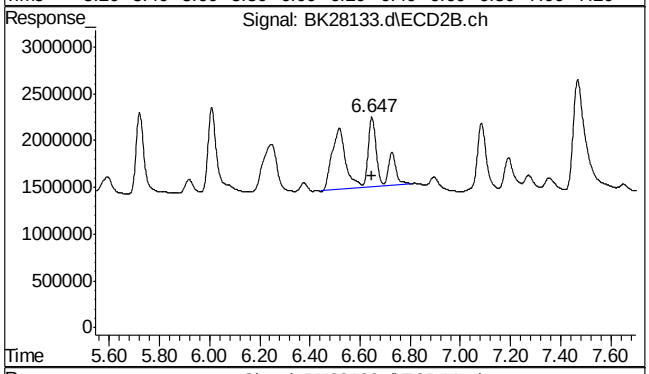
9.6.34

9



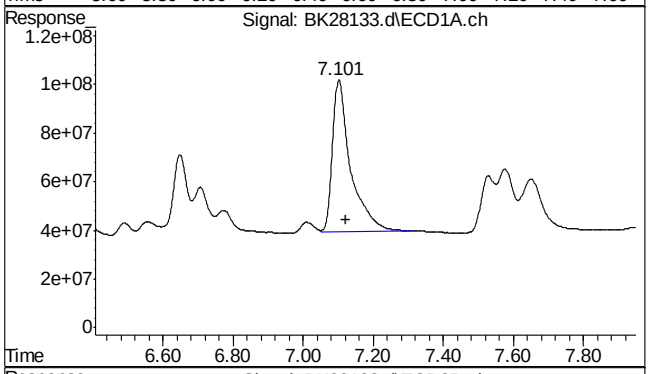
#9 AR1260-C

R.T.: 6.295 min
Delta R.T.: -0.022 min
Response: 2881851618
Conc: 50.75 ppb m



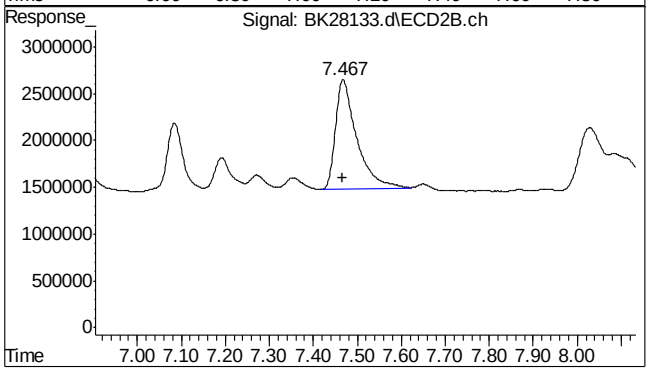
#9 AR1260-C

R.T.: 6.647 min
Delta R.T.: 0.000 min
Response: 47894678
Conc: 44.21 ppb m



#10 AR1260-D

R.T.: 7.101 min
Delta R.T.: -0.022 min
Response: 2277417520
Conc: 50.92 ppb m

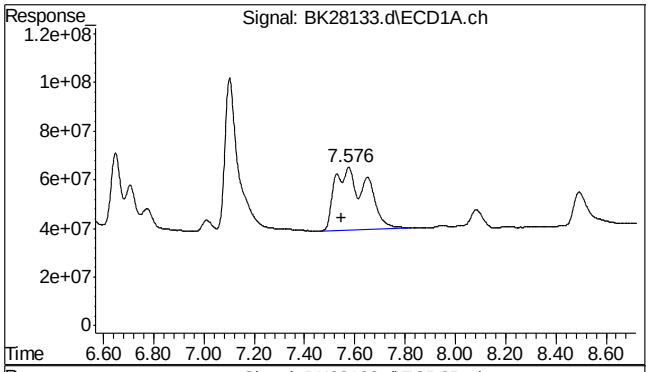


#10 AR1260-D

R.T.: 7.467 min
Delta R.T.: 0.000 min
Response: 39157695
Conc: 47.50 ppb m

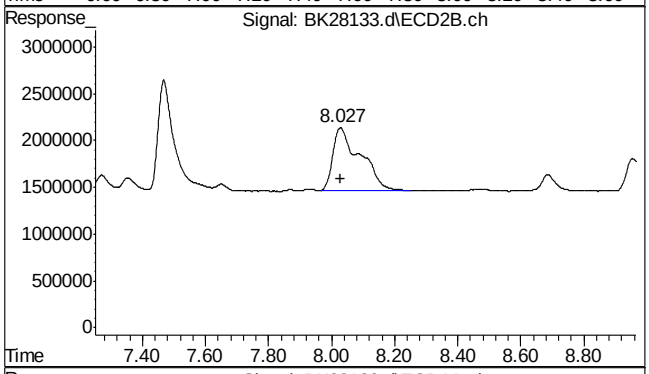
9.6.34

9



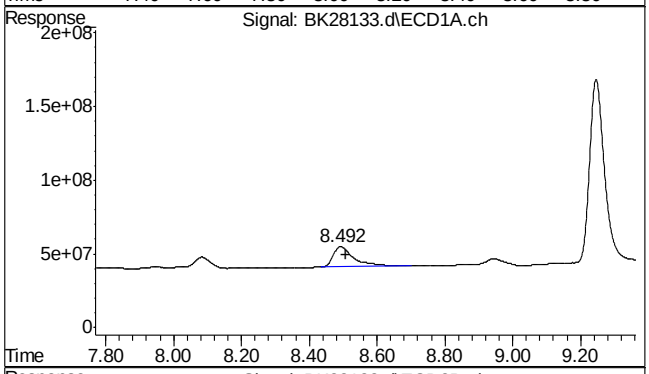
#11 AR1260-E

R.T.: 7.576 min
Delta R.T.: 0.028 min
Response: 2280367577
Conc: 56.39 ppb m



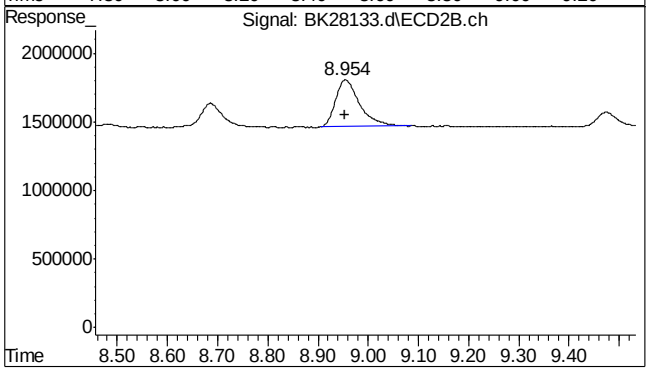
#11 AR1260-E

R.T.: 8.027 min
Delta R.T.: -0.003 min
Response: 40441481
Conc: 50.42 ppb m



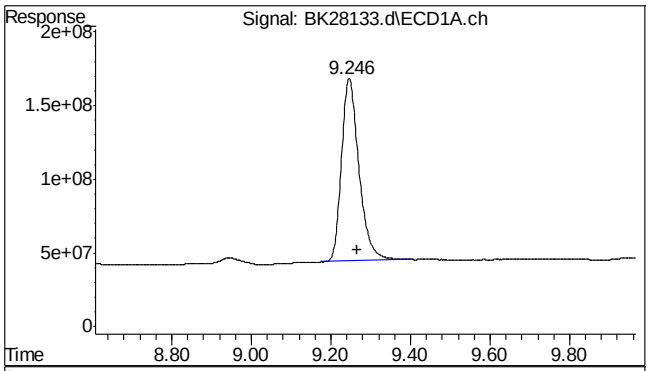
#12 AR1260-F

R.T.: 8.492 min
Delta R.T.: -0.016 min
Response: 586119290
Conc: 58.22 m



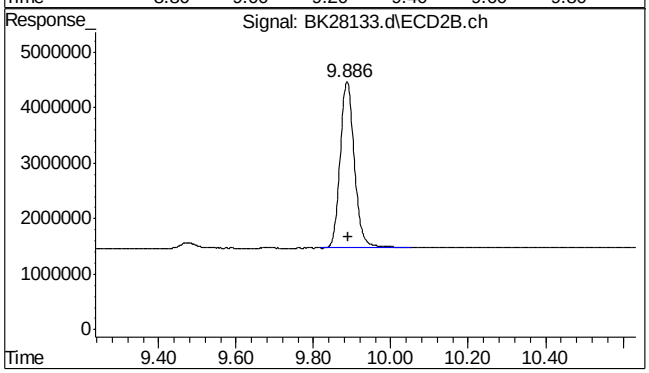
#12 AR1260-F

R.T.: 8.954 min
Delta R.T.: 0.001 min
Response: 11388806
Conc: 49.81 m



#13 DCB

R.T.: 9.246 min
Delta R.T.: -0.020 min
Response: 3771578061
Conc: 10.07 ppb m



#13 DCB

R.T.: 9.886 min
Delta R.T.: -0.004 min
Response: 76294333
Conc: 9.04 ppb m

9.6.34

9

BK28134.D

Manual Integrations APPROVED (compounds with "m" flag)

Andri Piluri 08/20/13 16:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28134.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 12:51 pm
Operator : nickk
Sample : ic958-500,a21/54
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 107 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 13:53:58 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 19 17:21:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.400	2.374	10429.3E6	272.1E6	39.709m	36.725
	Spiked Amount 40.000			Recovery =		99.27%	91.81%
13) s	DCB	9.245	9.886	12245.0E6	240.3E6	38.203m	28.854m
	Spiked Amount 40.000			Recovery =		95.51%	72.13%
	Target Compounds						
14)	AR1221-A	2.003	2.037	1052.9E6	22301570	398.640	474.121m
15)	AR1221-B	2.531	2.596	1385.0E6	31017541	569.314m	426.338 #
16)	AR1221-C	2.685	2.759	3642.4E6	81613718	479.184	463.075m
32)	AR1254-A	4.366	4.640	9338.7E6	171.0E6	490.508m	437.477m
33)	AR1254-B	4.664	4.868	12820.0E6	256.9E6	497.977m	471.103m
34)	AR1254-C	5.156	5.463	18365.9E6	408.5E6	489.565m	441.031m
35)	AR1254-D	5.518	5.768	6600.3E6	199.3E6	486.435m	378.293m
36)	AR1254-E	6.140	6.520	9583.0E6	190.3E6	470.136m	420.628m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9.6.35

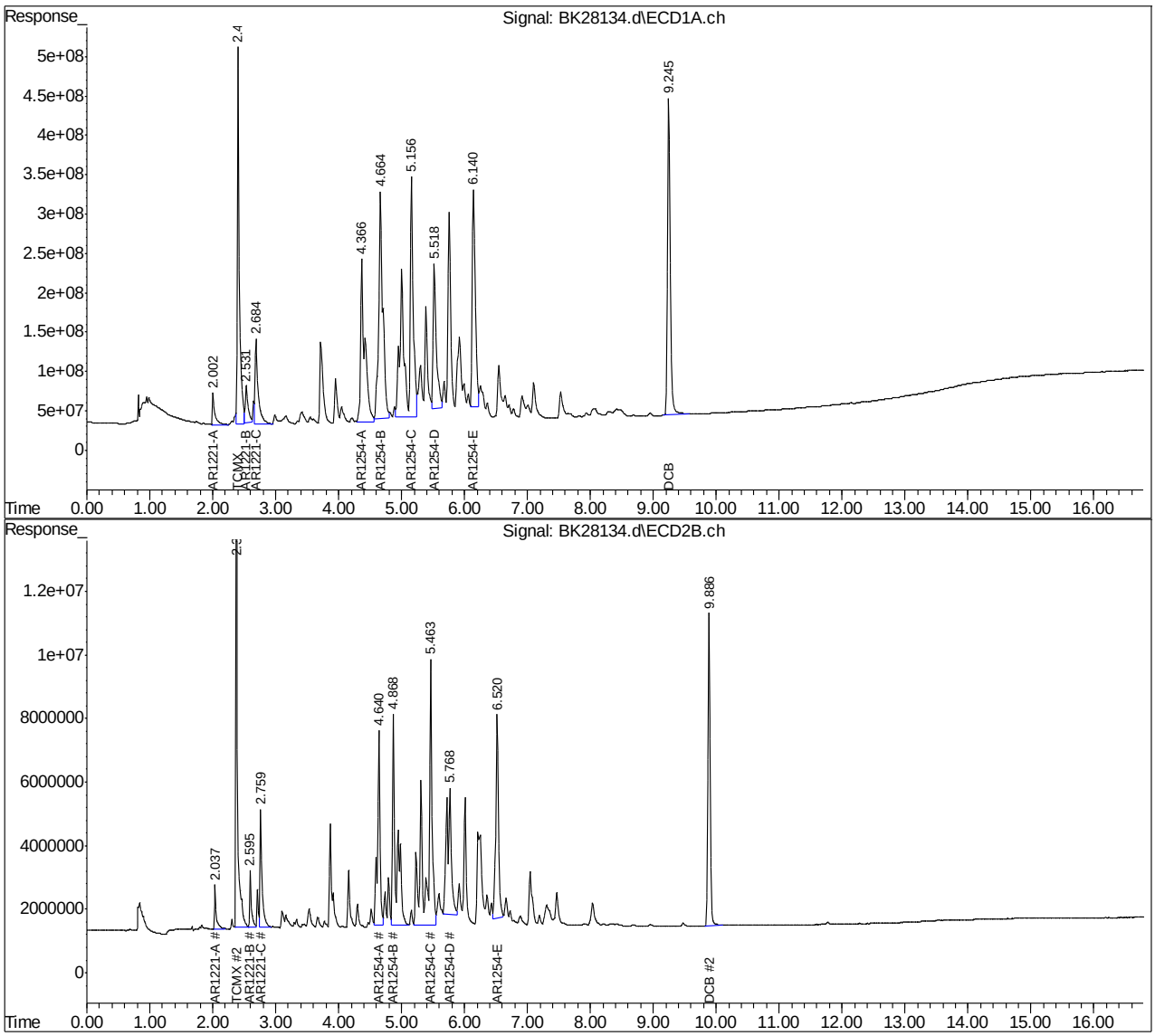
9

Quantitation Report (QT Reviewed)

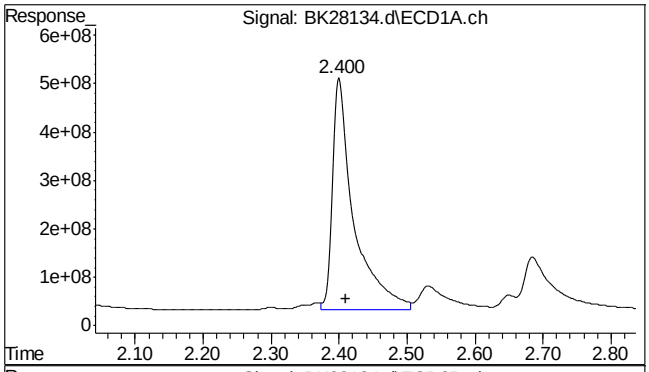
Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28134.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 12:51 pm
Operator : nickk
Sample : ic958-500,a21/54
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 107 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 13:53:58 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 19 17:21:58 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

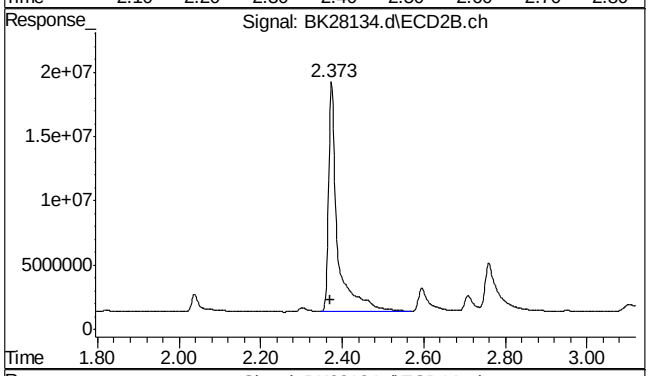


ACCUTEST LABORATORIES MC23456



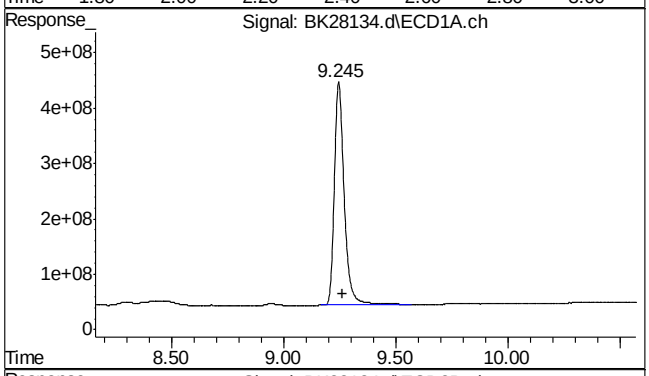
#1 TCMX

R.T.: 2.400 min
Delta R.T.: -0.011 min
Response: 10429337607
Conc: 39.71 ppb m



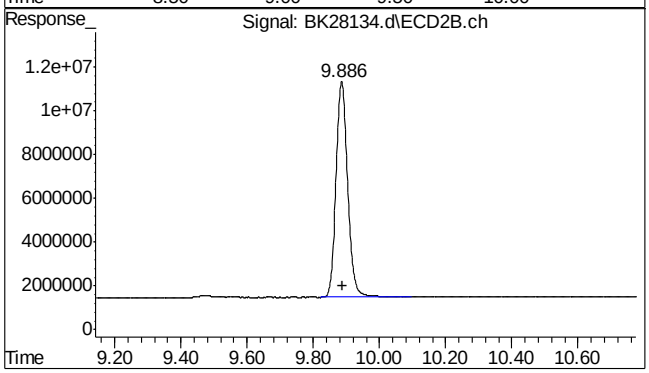
#1 TCMX

R.T.: 2.374 min
Delta R.T.: 0.004 min
Response: 272109472
Conc: 36.72 ppb



#13 DCB

R.T.: 9.245 min
Delta R.T.: -0.021 min
Response: 12244999977
Conc: 38.20 ppb m

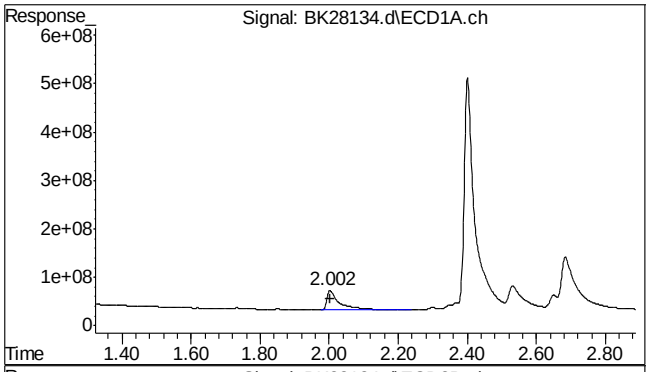


#13 DCB

R.T.: 9.886 min
Delta R.T.: -0.004 min
Response: 240316161
Conc: 28.85 ppb m

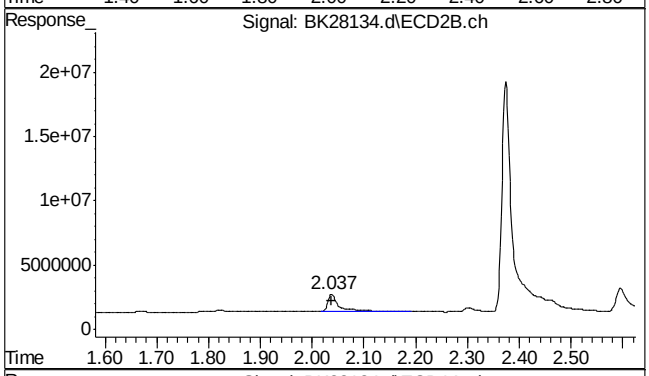
9.6.35

9



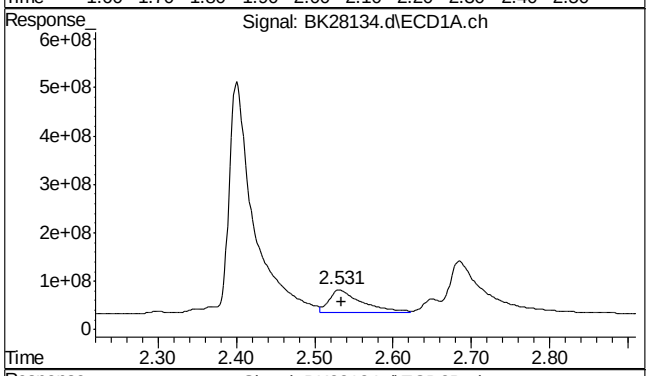
#14 AR1221-A

R.T.: 2.003 min
Delta R.T.: -0.002 min
Response: 1052863383
Conc: 398.64 ppb



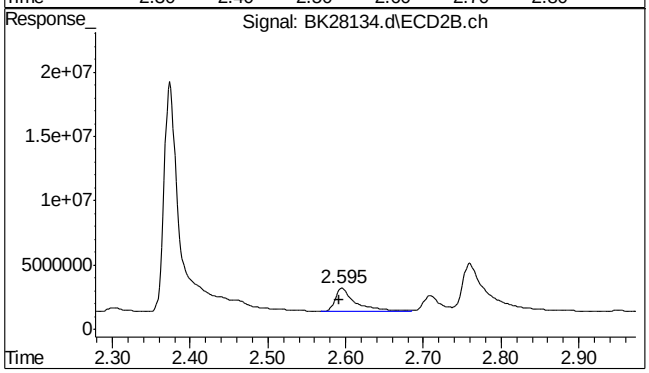
#14 AR1221-A

R.T.: 2.037 min
Delta R.T.: 0.000 min
Response: 22301570
Conc: 474.12 ppb m



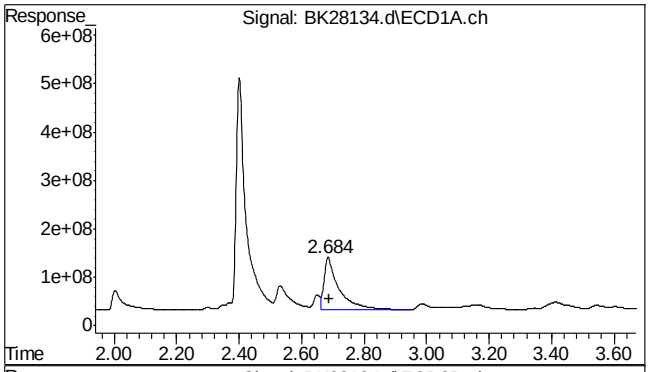
#15 AR1221-B

R.T.: 2.531 min
Delta R.T.: -0.003 min
Response: 1384982814
Conc: 569.31 ppb m



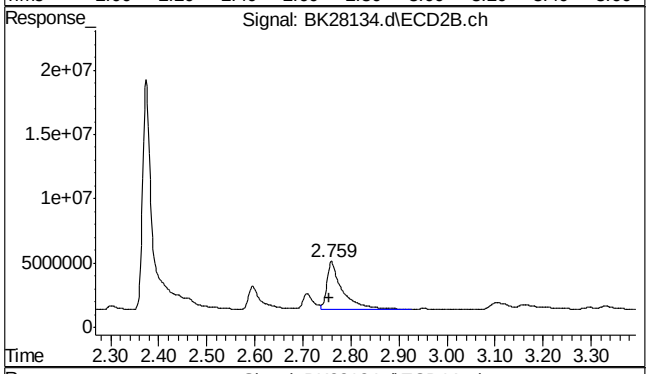
#15 AR1221-B

R.T.: 2.596 min
Delta R.T.: 0.004 min
Response: 31017541
Conc: 426.34 ppb



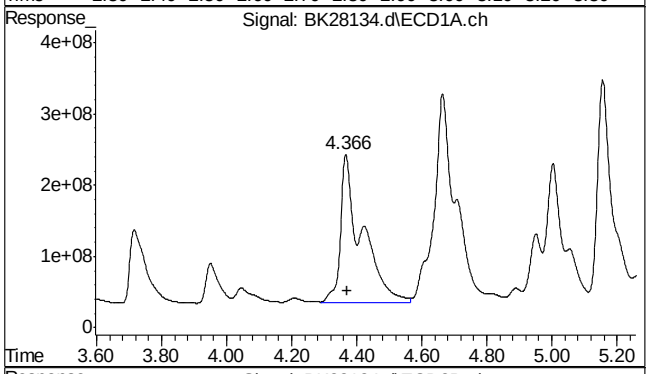
#16 AR1221-C

R.T.: 2.685 min
Delta R.T.: -0.002 min
Response: 3642368564
Conc: 479.18 ppb



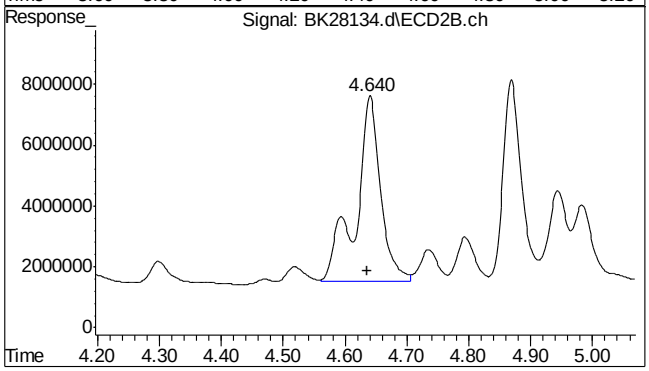
#16 AR1221-C

R.T.: 2.759 min
Delta R.T.: 0.003 min
Response: 81613718
Conc: 463.08 ppb m



#32 AR1254-A

R.T.: 4.366 min
Delta R.T.: -0.003 min
Response: 9338691644
Conc: 490.51 ppb m

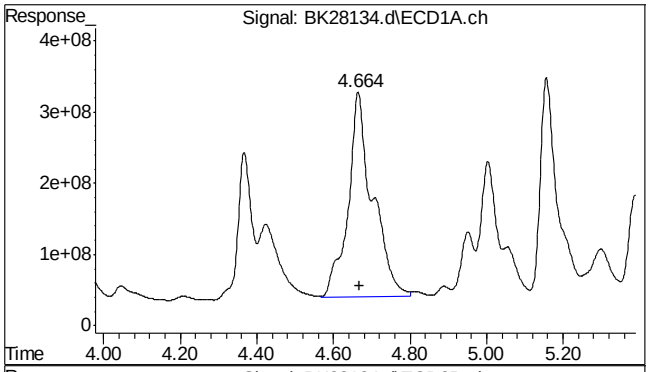


#32 AR1254-A

R.T.: 4.640 min
Delta R.T.: 0.005 min
Response: 170950944
Conc: 437.48 ppb m

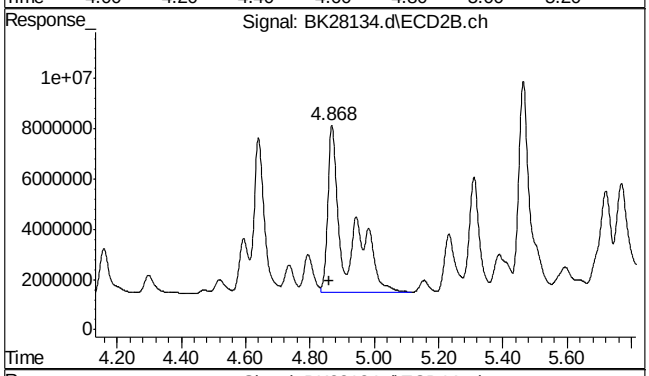
9.6.35

9



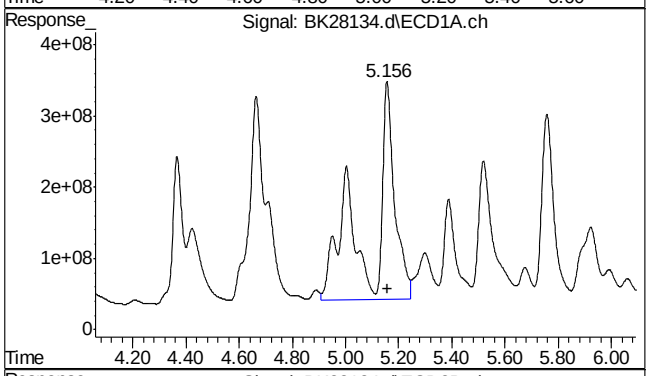
#33 AR1254-B

R.T.: 4.664 min
Delta R.T.: -0.003 min
Response: 12820023985
Conc: 497.98 ppb m



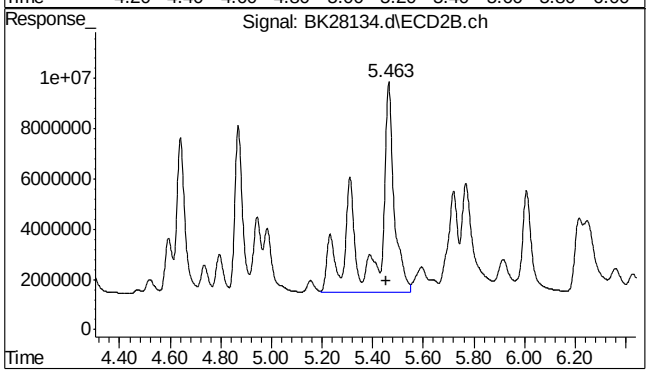
#33 AR1254-B

R.T.: 4.868 min
Delta R.T.: 0.007 min
Response: 256912868
Conc: 471.10 ppb m



#34 AR1254-C

R.T.: 5.156 min
Delta R.T.: -0.002 min
Response: 18365948649
Conc: 489.57 ppb m

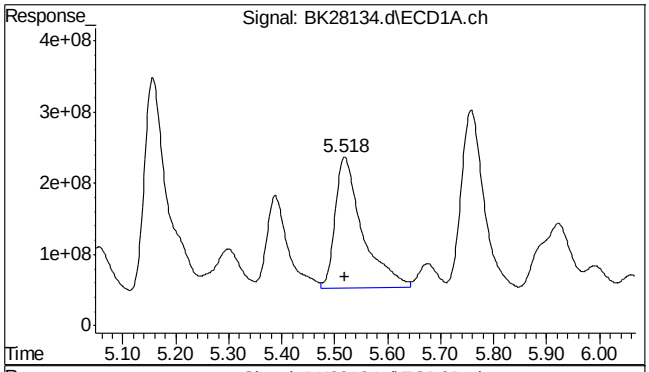


#34 AR1254-C

R.T.: 5.463 min
Delta R.T.: 0.008 min
Response: 408506395
Conc: 441.03 ppb m

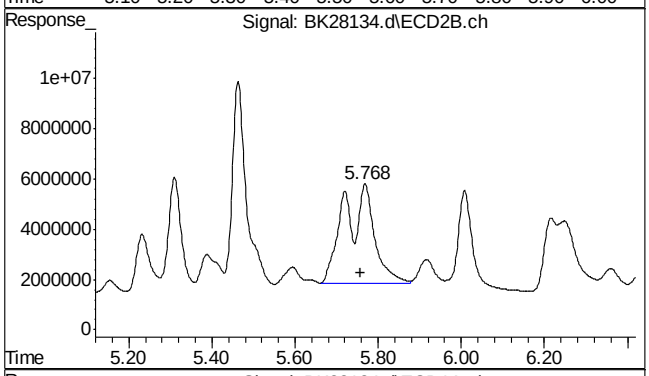
9.6.35

9



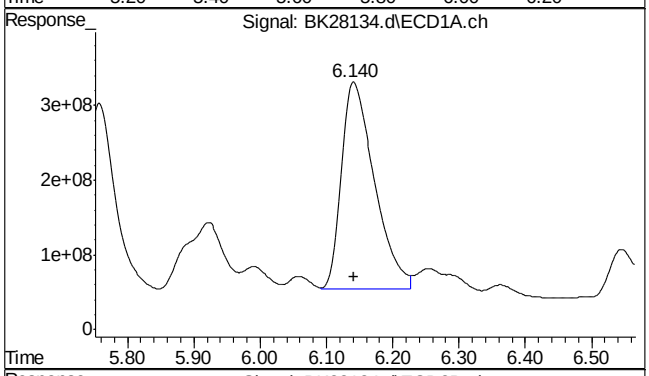
#35 AR1254-D

R.T.: 5.518 min
Delta R.T.: -0.002 min
Response: 6600349559
Conc: 486.44 ppb m



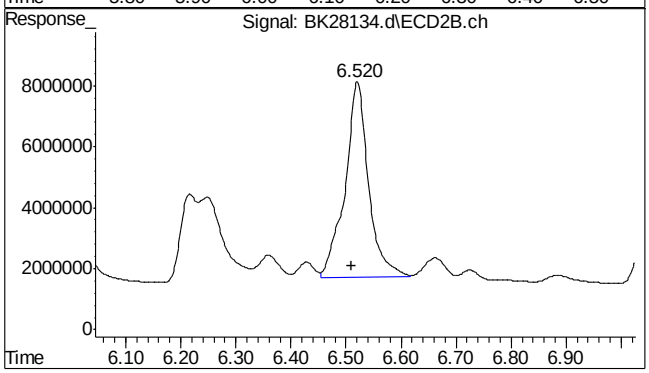
#35 AR1254-D

R.T.: 5.768 min
Delta R.T.: 0.010 min
Response: 199288009
Conc: 378.29 ppb m



#36 AR1254-E

R.T.: 6.140 min
Delta R.T.: -0.002 min
Response: 9583037224
Conc: 470.14 ppb m



#36 AR1254-E

R.T.: 6.520 min
Delta R.T.: 0.009 min
Response: 190335458
Conc: 420.63 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28135.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 1:10 pm
Operator : nickk
Sample : ic958-500,a32/62
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 108 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 17:43:34 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 19 17:40:50 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.401	2.375	11417.2E6	306.3E6	44.882m	46.838m
	Spiked Amount 40.000			Recovery	= 112.21%	117.10%	
13) s	DCB	9.244	9.886	16448.9E6	326.7E6	51.844m	53.259m
	Spiked Amount 40.000			Recovery	= 129.61%	133.15%	
	Target Compounds						
17)	AR1232-A	2.686	2.760	2490.6E6	62701259	494.263	446.675m
18)	AR1232-B	2.983	3.103	2193.0E6	63972724	532.132	533.311m
19)	AR1232-C	3.411	3.532	4821.3E6	108.9E6	479.409	429.322m
20)	AR1232-D	3.739	3.865	2884.7E6	72741365	518.064m	462.435m
21)	AR1232-E	4.449	4.644	4019.3E6	109.8E6	475.669m	430.051m
37)	AR1262-A	5.387	5.721	5693.6E6	123.6E6	532.356	450.189
38)	AR1262-B	5.751	6.008	12415.0E6	135.3E6	507.662m	461.834
39)	AR1262-C	6.295	6.646	26595.4E6	439.8E6	536.325m	451.935m
40)	AR1262-D	7.578	8.019	27559.2E6	471.7E6	539.939m	455.065m
41)	AR1262-E	8.489	8.950	8211.7E6	154.0E6	577.387m	459.577m

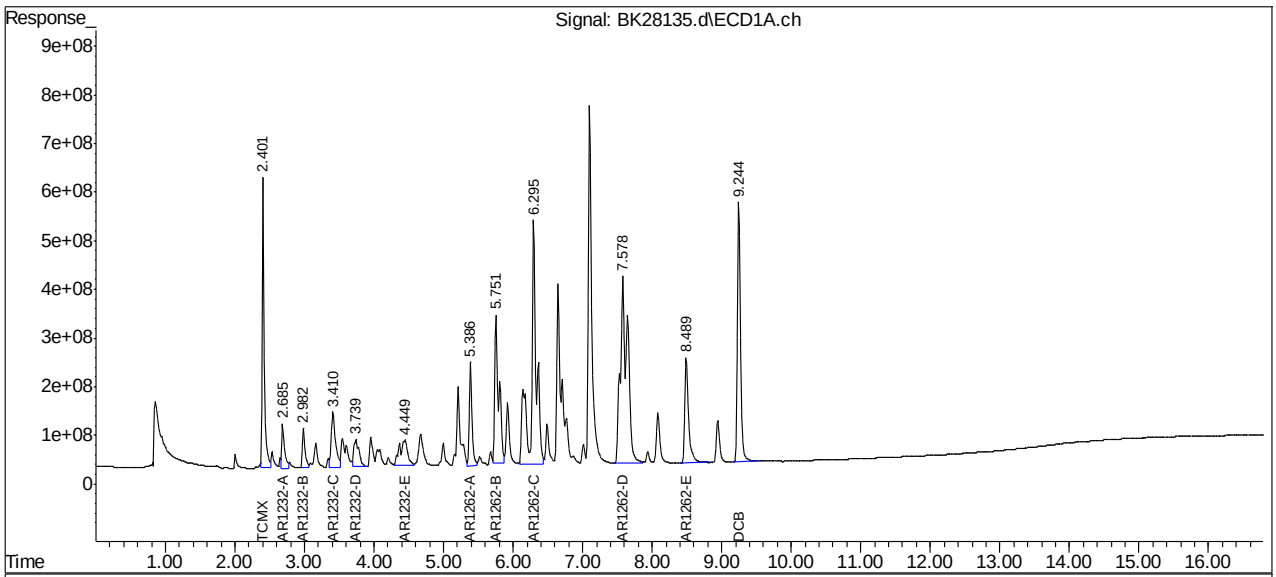
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

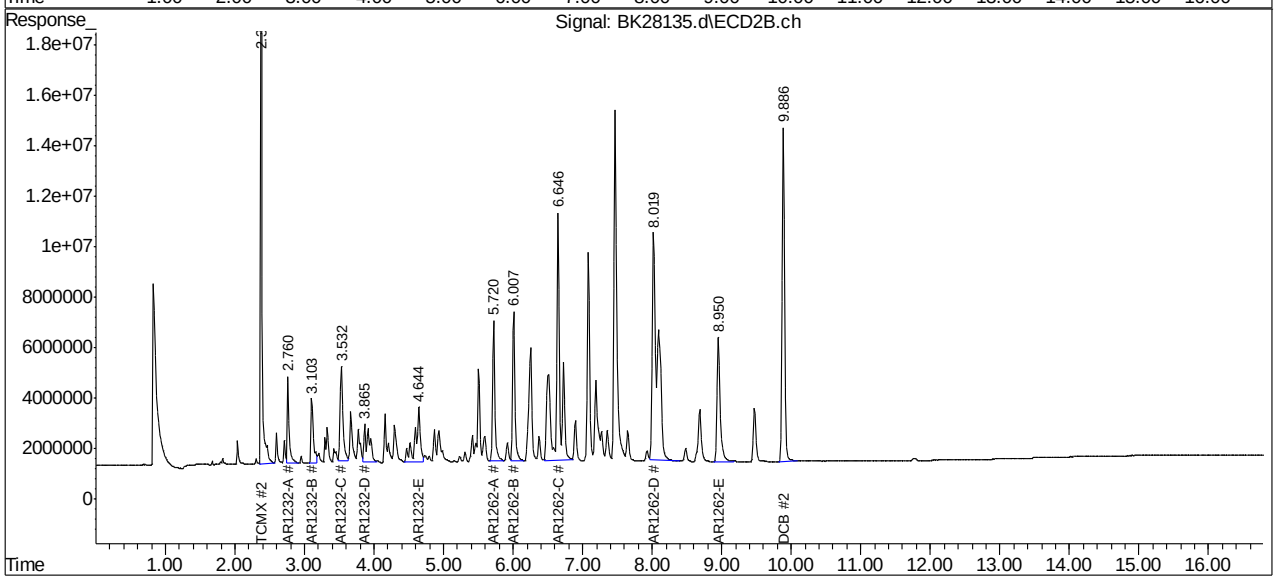
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28135.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 1:10 pm
Operator : nickk
Sample : ic958-500,a32/62
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 108 Sample Multiplier: 1

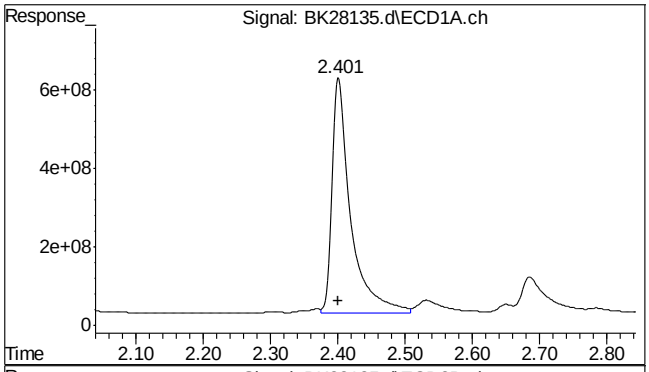
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 17:43:34 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 19 17:40:50 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



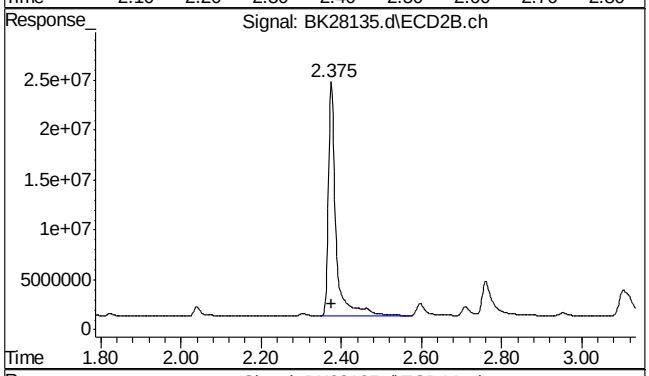


ACCUTEST LABORATORIES MC23456



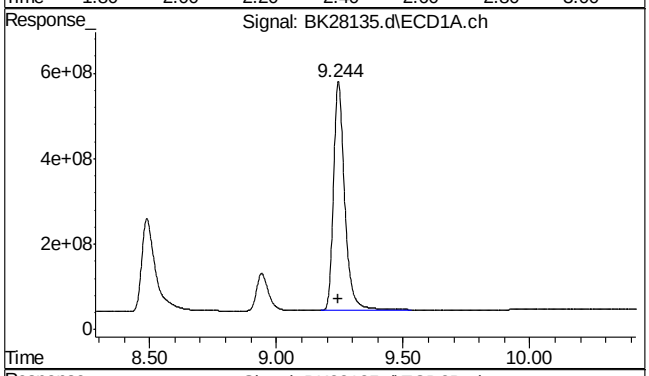
#1 TCMX

R.T.: 2.401 min
Delta R.T.: 0.000 min
Response: 11417165903
Conc: 44.88 ppb m



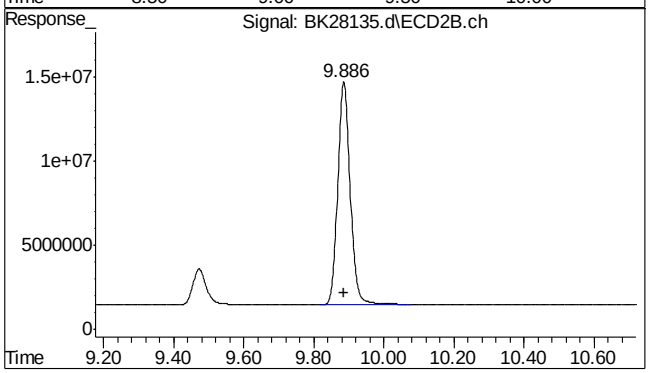
#1 TCMX

R.T.: 2.375 min
Delta R.T.: 0.000 min
Response: 306297721
Conc: 46.84 ppb m



#13 DCB

R.T.: 9.244 min
Delta R.T.: 0.000 min
Response: 16448890320
Conc: 51.84 ppb m

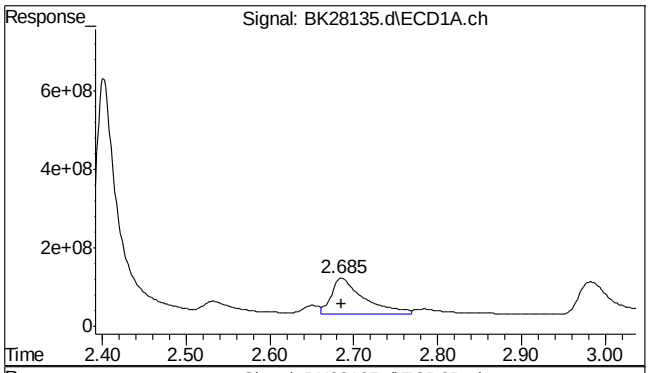


#13 DCB

R.T.: 9.886 min
Delta R.T.: 0.000 min
Response: 326749467
Conc: 53.26 ppb m

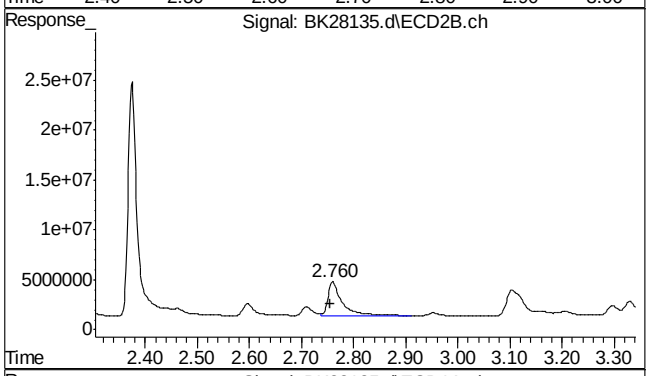
9.6.36

9



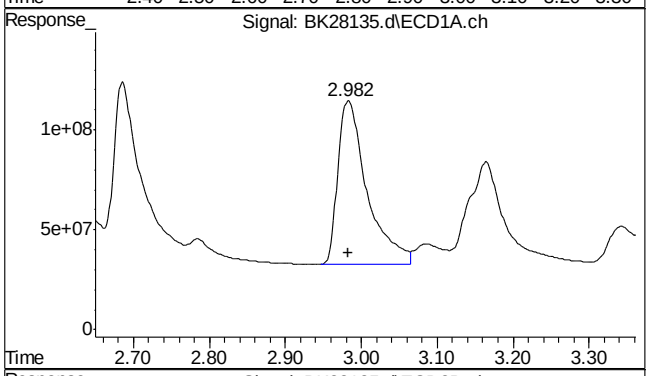
#17 AR1232-A

R.T.: 2.686 min
Delta R.T.: 0.000 min
Response: 2490561082
Conc: 494.26 ppb



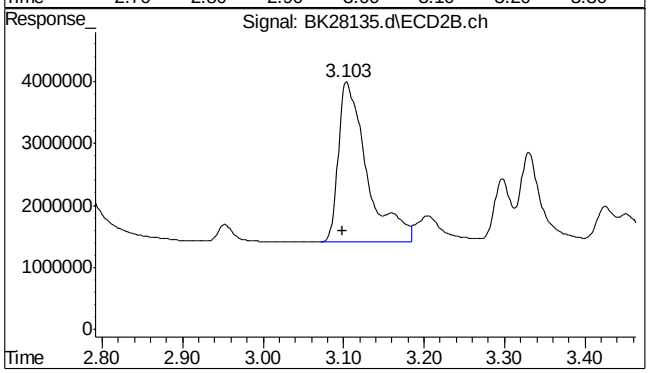
#17 AR1232-A

R.T.: 2.760 min
Delta R.T.: 0.004 min
Response: 62701259
Conc: 446.67 ppb m



#18 AR1232-B

R.T.: 2.983 min
Delta R.T.: 0.000 min
Response: 2192989379
Conc: 532.13 ppb

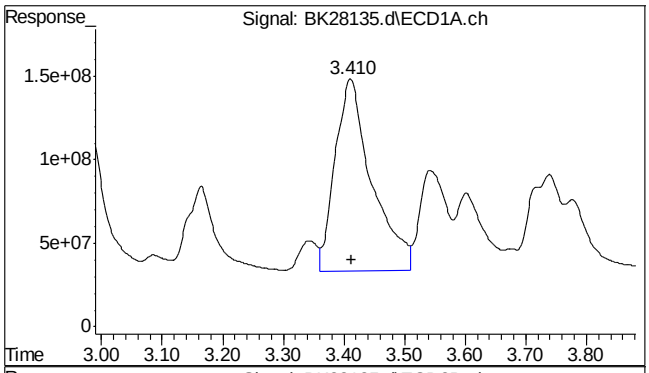


#18 AR1232-B

R.T.: 3.103 min
Delta R.T.: 0.004 min
Response: 63972724
Conc: 533.31 ppb m

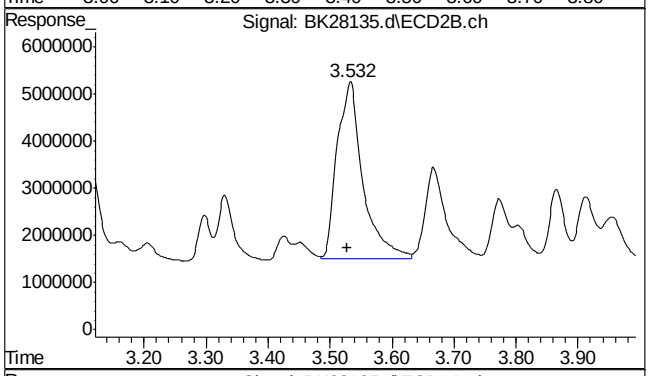
9.6.36

9



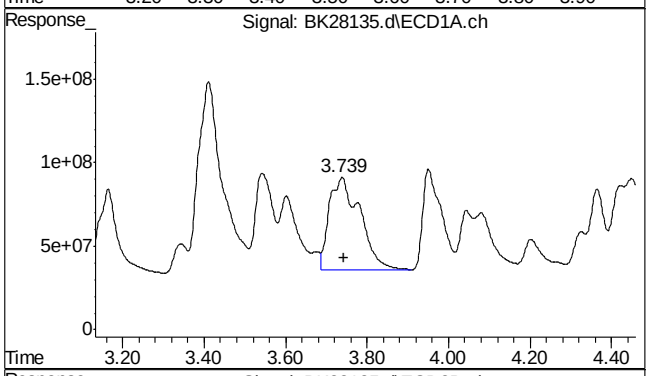
#19 AR1232-C

R.T.: 3.411 min
Delta R.T.: -0.002 min
Response: 4821252152
Conc: 479.41 ppb



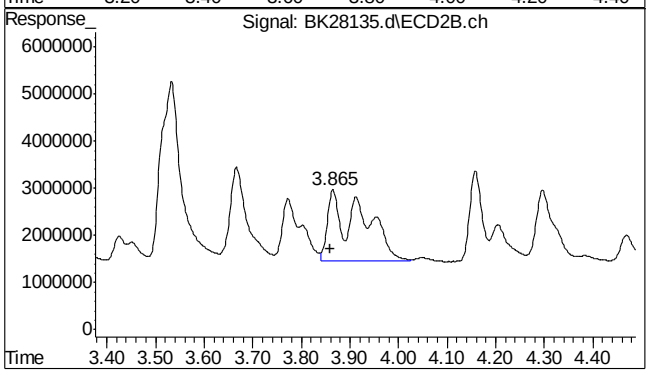
#19 AR1232-C

R.T.: 3.532 min
Delta R.T.: 0.005 min
Response: 108886916
Conc: 429.32 ppb m



#20 AR1232-D

R.T.: 3.739 min
Delta R.T.: -0.004 min
Response: 2884747622
Conc: 518.06 ppb m

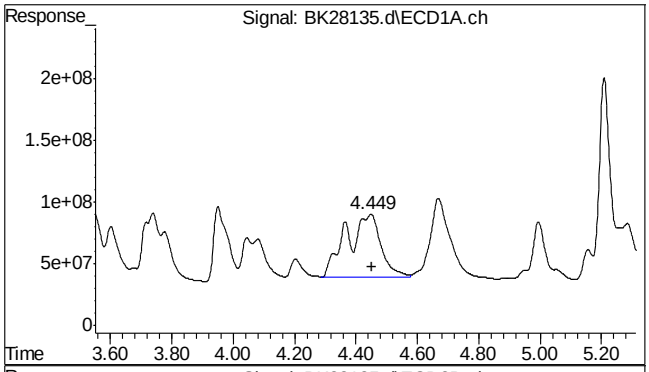


#20 AR1232-D

R.T.: 3.865 min
Delta R.T.: 0.004 min
Response: 72741365
Conc: 462.43 ppb m

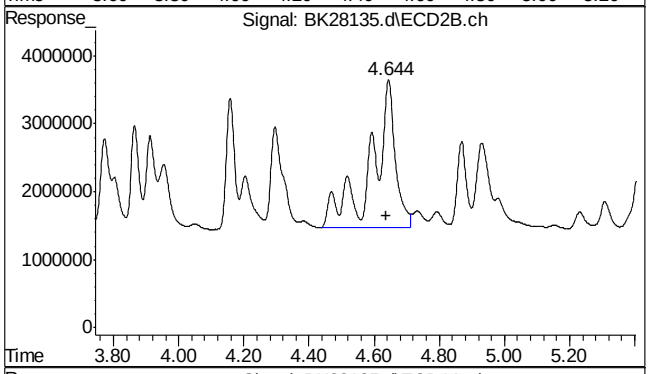
9.6.36

6



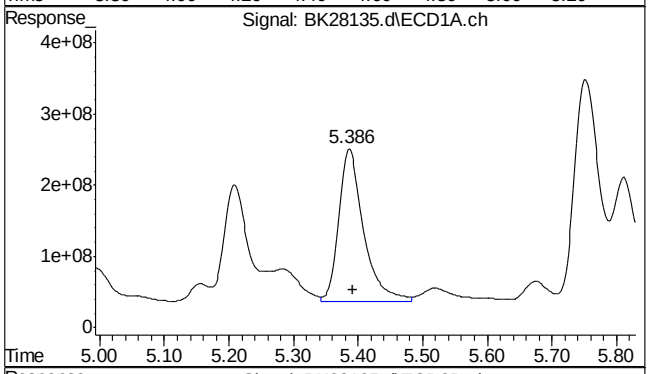
#21 AR1232-E

R.T.: 4.449 min
Delta R.T.: -0.004 min
Response: 4019343709
Conc: 475.67 ppb m



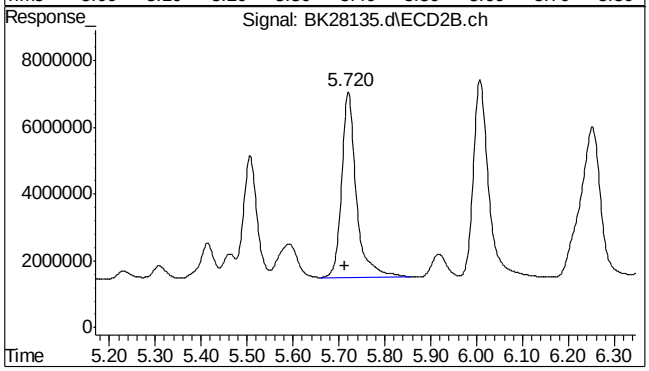
#21 AR1232-E

R.T.: 4.644 min
Delta R.T.: 0.005 min
Response: 109823183
Conc: 430.05 ppb m



#37 AR1262-A

R.T.: 5.387 min
Delta R.T.: -0.004 min
Response: 5693631139
Conc: 532.36 ppb

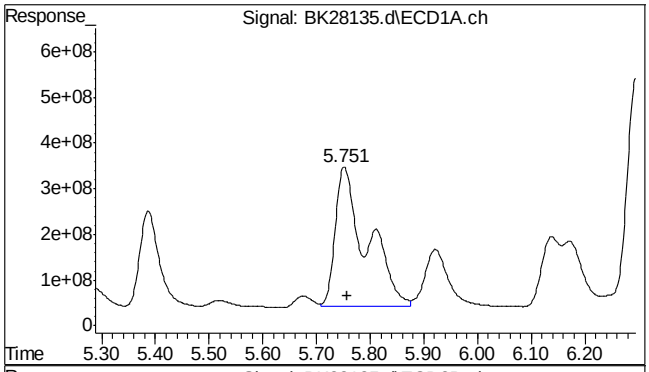


#37 AR1262-A

R.T.: 5.721 min
Delta R.T.: 0.007 min
Response: 123648948
Conc: 450.19 ppb

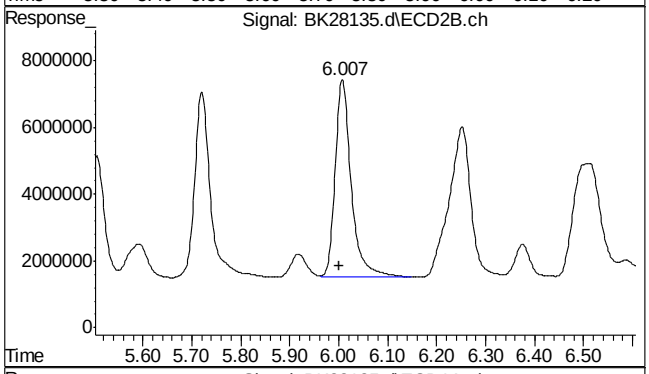
9.6.36

6



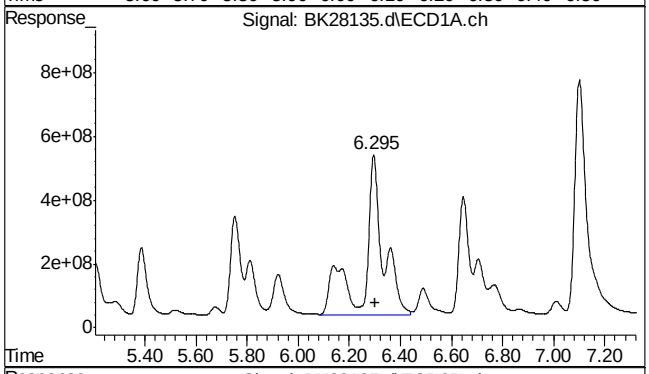
#38 AR1262-B

R.T.: 5.751 min
Delta R.T.: -0.006 min
Response: 12414981910
Conc: 507.66 ppb m



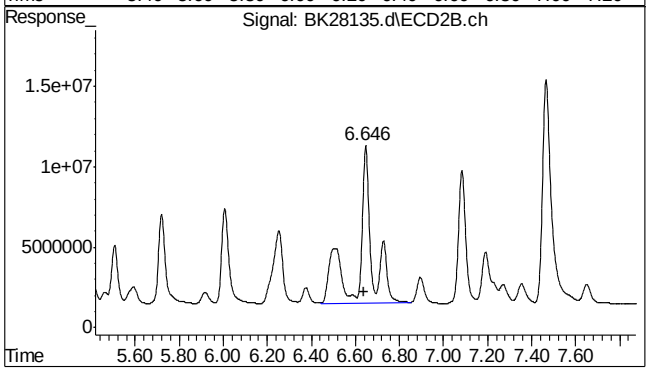
#38 AR1262-B

R.T.: 6.008 min
Delta R.T.: 0.007 min
Response: 135268134
Conc: 461.83 ppb



#39 AR1262-C

R.T.: 6.295 min
Delta R.T.: -0.005 min
Response: 26595434408
Conc: 536.33 ppb m

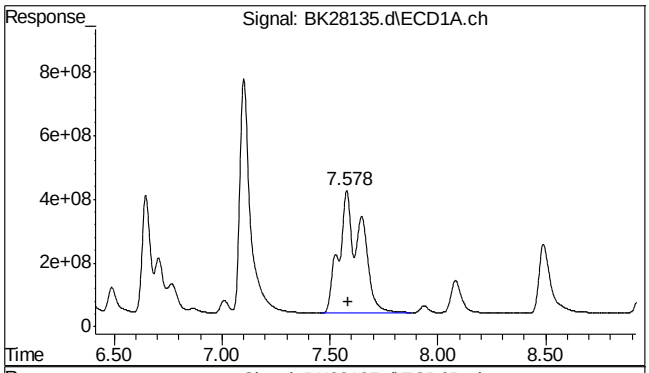


#39 AR1262-C

R.T.: 6.646 min
Delta R.T.: 0.007 min
Response: 439800709
Conc: 451.94 ppb m

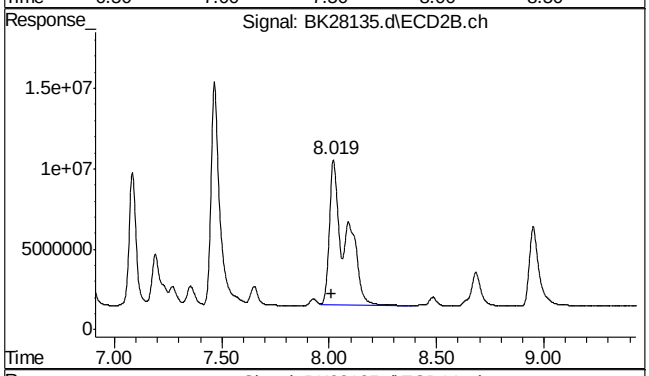
9.6.36

6



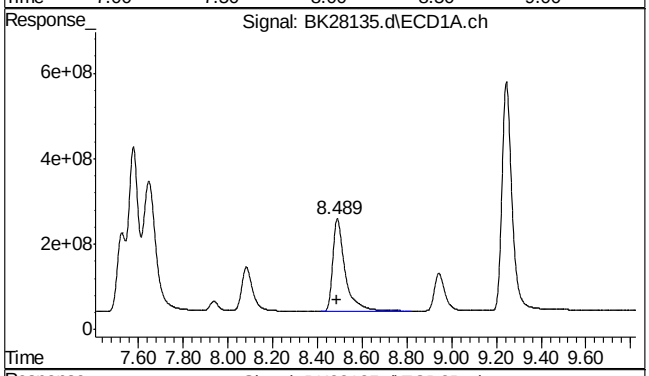
#40 AR1262-D

R.T.: 7.578 min
Delta R.T.: -0.005 min
Response: 27559167087
Conc: 539.94 ppb m



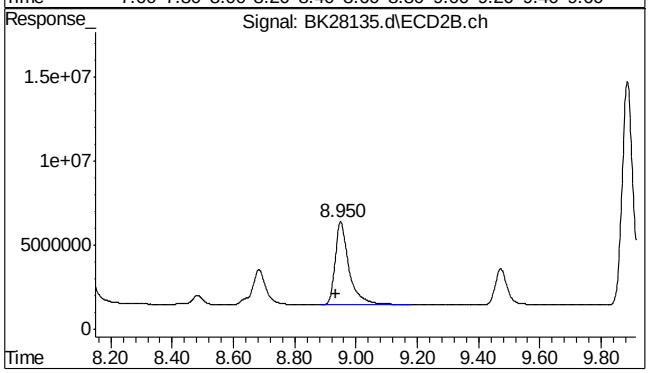
#40 AR1262-D

R.T.: 8.019 min
Delta R.T.: 0.009 min
Response: 471651555
Conc: 455.06 ppb m



#41 AR1262-E

R.T.: 8.489 min
Delta R.T.: -0.001 min
Response: 8211720454
Conc: 577.39 ppb m



#41 AR1262-E

R.T.: 8.950 min
Delta R.T.: 0.014 min
Response: 154007888
Conc: 459.58 ppb m

9.6.36

6

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28136.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 1:29 pm
Operator : nickk
Sample : ic958-500,a42/68
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 109 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 17:46:18 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 19 17:43:39 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.401	2.374	12807.9E6	335.6E6	49.679m	50.410m
	Spiked Amount 40.000			Recovery =		124.20%	126.02%
13) s	DCB	9.244	9.885	30401.4E6	622.0E6	83.896m	89.384
	Spiked Amount 40.000			Recovery =		209.74%	223.46%
	Target Compounds						
22)	AR1242-A	2.685	2.759	2370.5E6	68284209	562.842m	531.120m
23)	AR1242-B	2.984	3.104	5916.5E6	146.4E6	607.721	540.335
24)	AR1242-C	3.411	3.532	13048.9E6	284.1E6	578.571	527.568m
25)	AR1242-D	3.740	3.865	8840.5E6	206.2E6	602.413m	553.795m
26)	AR1242-E	4.448	4.647	10291.5E6	279.2E6	550.593m	514.372m
42)	AR1268-A	6.296	6.647	5683.9E6	92715876	658.639m	556.844m
43)	AR1268-B	6.641	7.085	7778.0E6	137.1E6	628.750m	562.934m
44)	AR1268-C	7.579	8.015	60923.8E6	1134.4E6	651.942m	565.849m
45)	AR1268-D	7.937	8.481	25456.6E6	482.3E6	646.217m	567.790m
46)	AR1268-E	8.932f	9.470f	69637.7E6	1512.5E6	635.126m	554.886

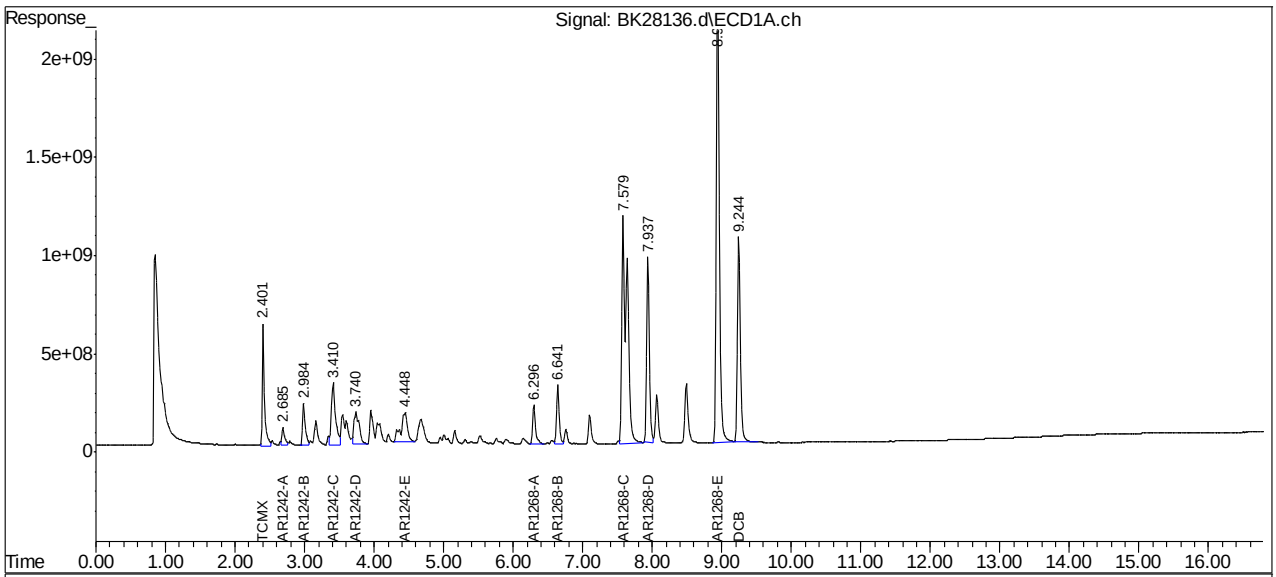
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

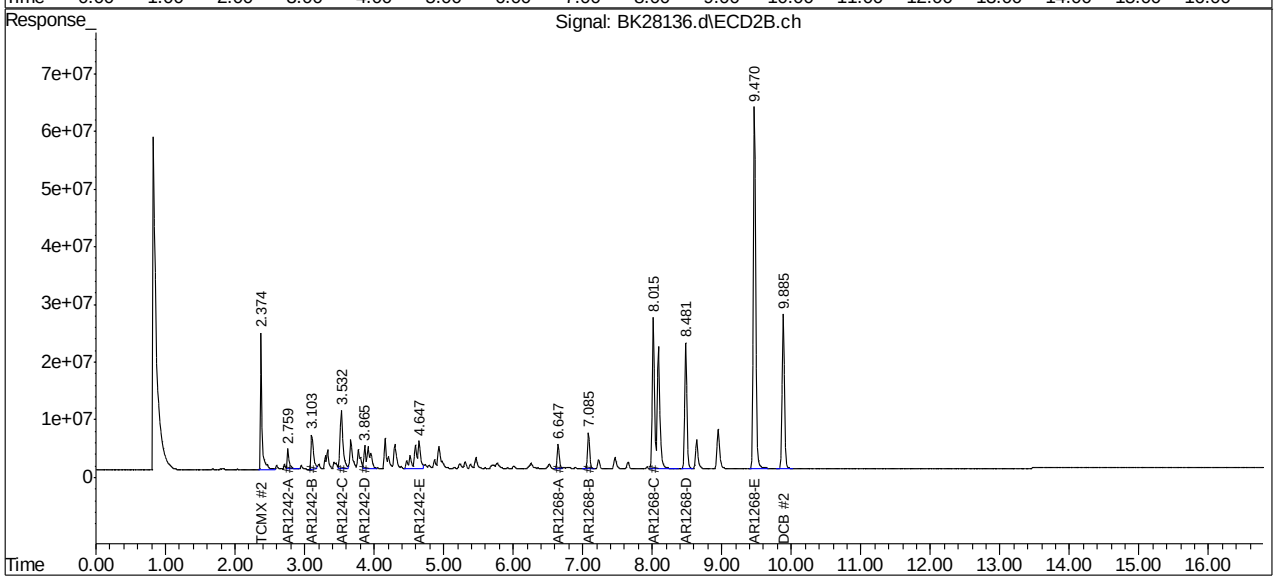
Quantitation Report (QT Reviewed)

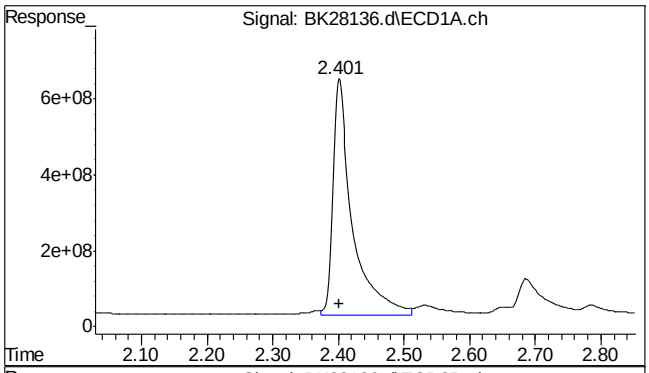
Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28136.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 1:29 pm
Operator : nickk
Sample : ic958-500,a42/68
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 109 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 17:46:18 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 19 17:43:39 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

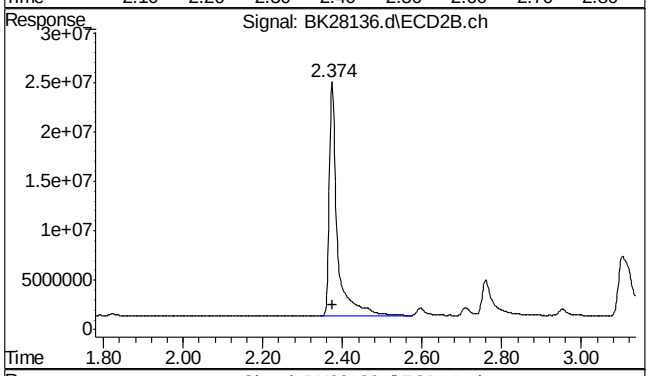






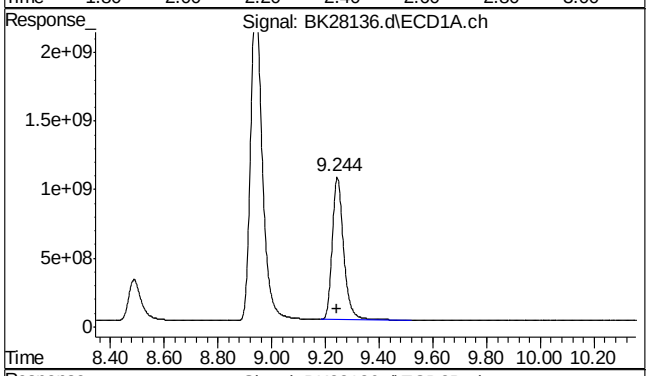
#1 TCMX

R.T.: 2.401 min
Delta R.T.: 0.000 min
Response: 12807857652
Conc: 49.68 ppb m



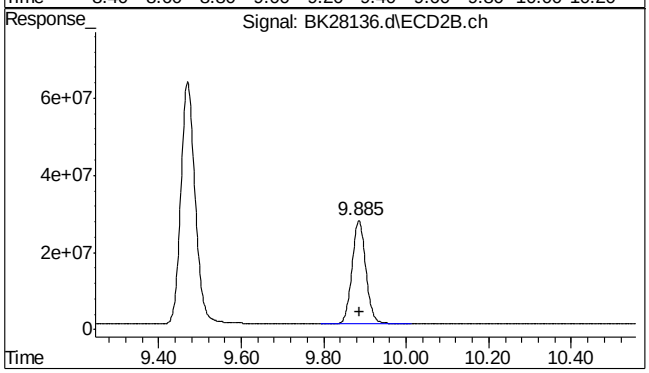
#1 TCMX

R.T.: 2.374 min
Delta R.T.: 0.000 min
Response: 335643079
Conc: 50.41 ppb m



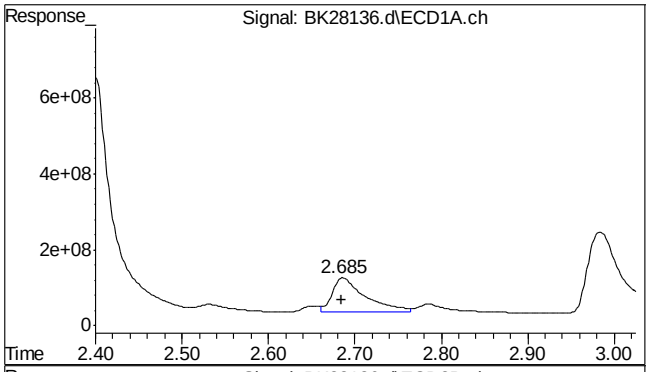
#13 DCB

R.T.: 9.244 min
Delta R.T.: 0.000 min
Response: 30401391595
Conc: 83.90 ppb m



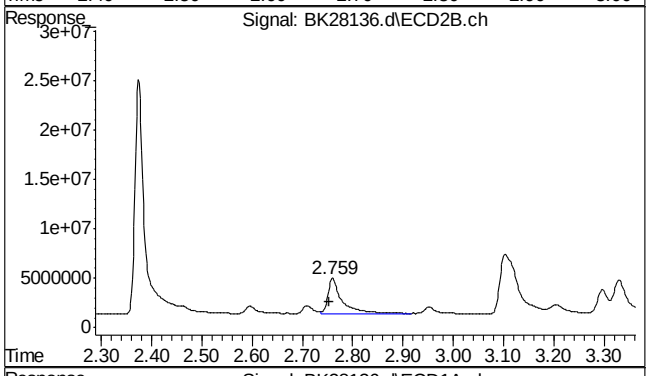
#13 DCB

R.T.: 9.885 min
Delta R.T.: 0.000 min
Response: 622045221
Conc: 89.38 ppb



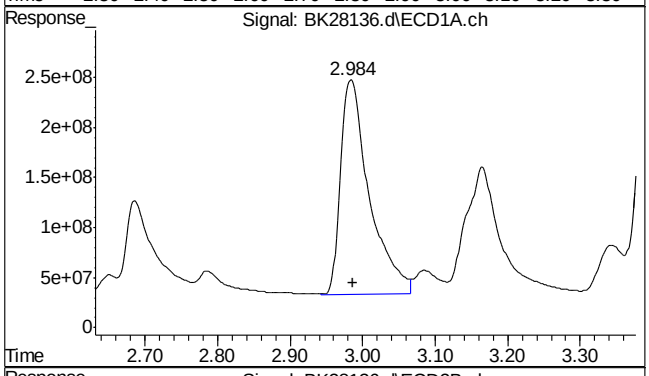
#22 AR1242-A

R.T.: 2.685 min
Delta R.T.: 0.000 min
Response: 2370455824
Conc: 562.84 ppb m



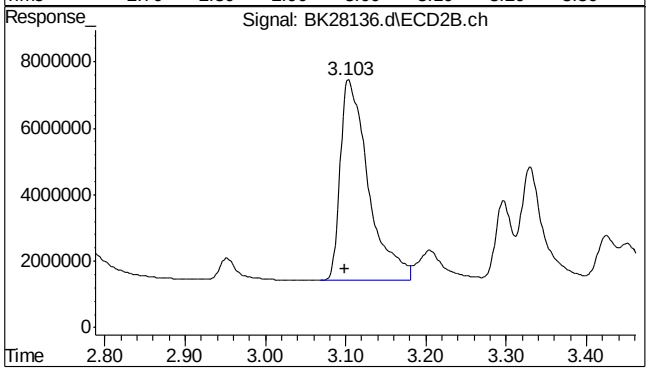
#22 AR1242-A

R.T.: 2.759 min
Delta R.T.: 0.005 min
Response: 68284209
Conc: 531.12 ppb m



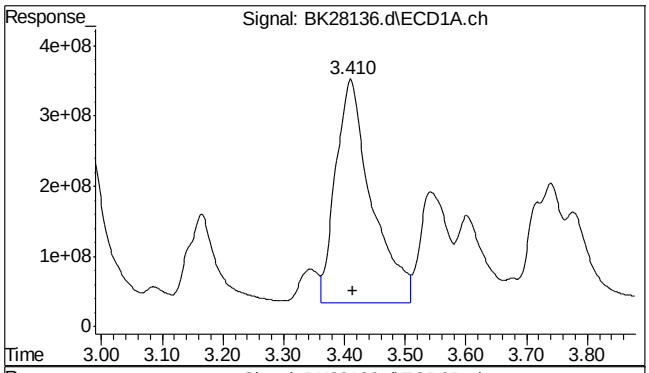
#23 AR1242-B

R.T.: 2.984 min
Delta R.T.: -0.002 min
Response: 5916459490
Conc: 607.72 ppb



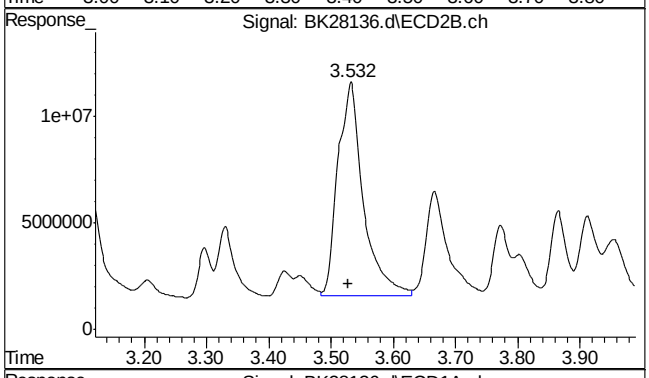
#23 AR1242-B

R.T.: 3.104 min
Delta R.T.: 0.005 min
Response: 146383818
Conc: 540.34 ppb



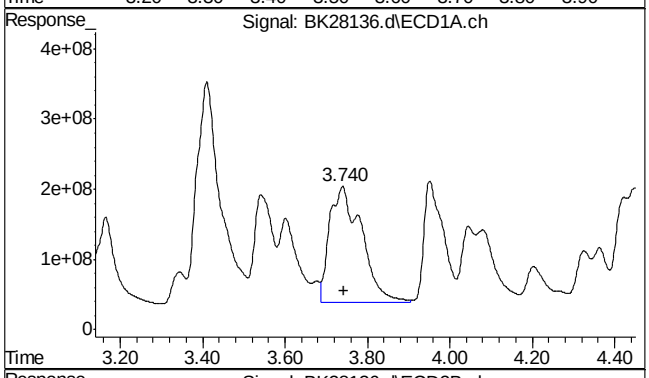
#24 AR1242-C

R.T.: 3.411 min
Delta R.T.: -0.002 min
Response: 13048877277
Conc: 578.57 ppb



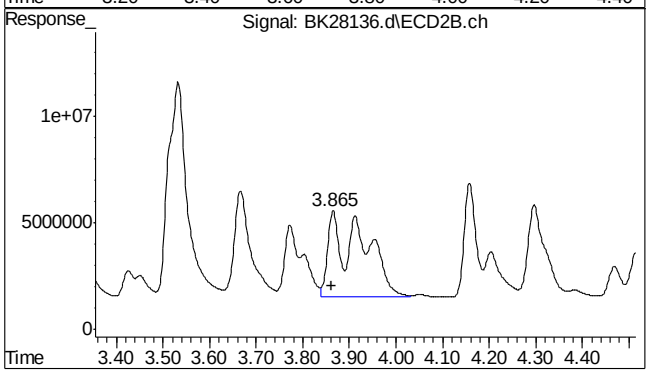
#24 AR1242-C

R.T.: 3.532 min
Delta R.T.: 0.005 min
Response: 284073669
Conc: 527.57 ppb m



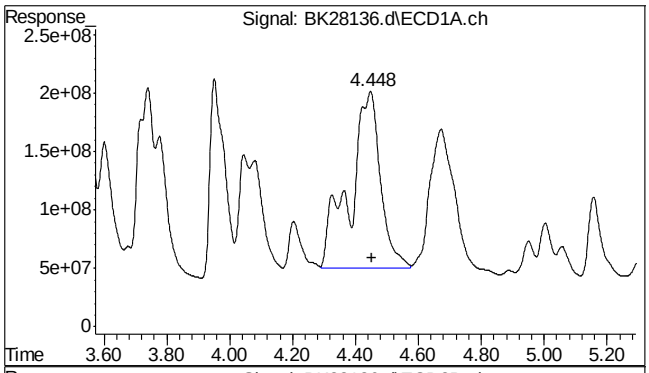
#25 AR1242-D

R.T.: 3.740 min
Delta R.T.: -0.002 min
Response: 8840535034
Conc: 602.41 ppb m



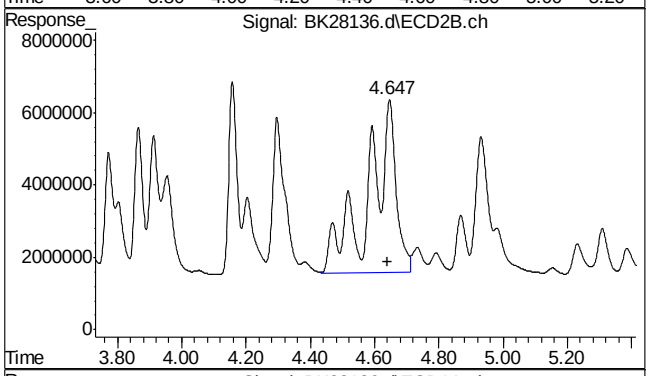
#25 AR1242-D

R.T.: 3.865 min
Delta R.T.: 0.004 min
Response: 206206645
Conc: 553.79 ppb m



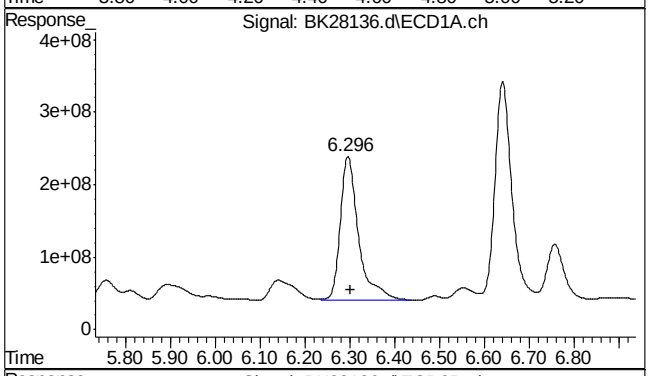
#26 AR1242-E

R.T.: 4.448 min
Delta R.T.: -0.004 min
Response: 10291490641
Conc: 550.59 ppb m



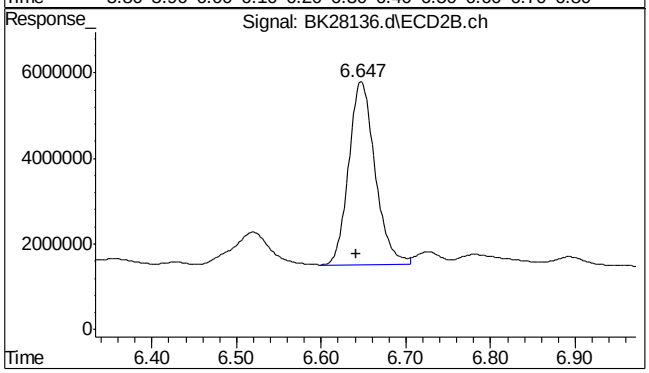
#26 AR1242-E

R.T.: 4.647 min
Delta R.T.: 0.005 min
Response: 279222510
Conc: 514.37 ppb m



#42 AR1268-A

R.T.: 6.296 min
Delta R.T.: -0.006 min
Response: 5683855073
Conc: 658.64 ppb m

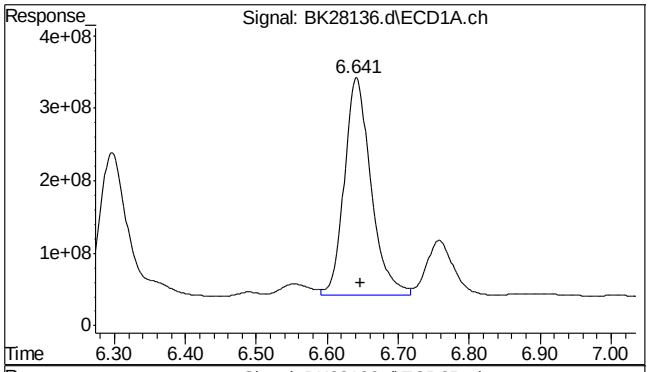


#42 AR1268-A

R.T.: 6.647 min
Delta R.T.: 0.006 min
Response: 92715876
Conc: 556.84 ppb m

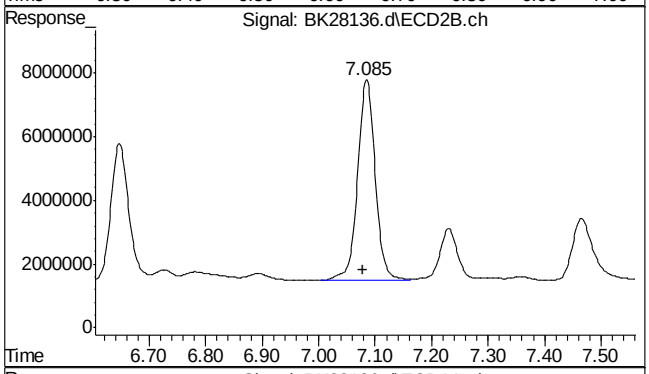
9.6.37

9



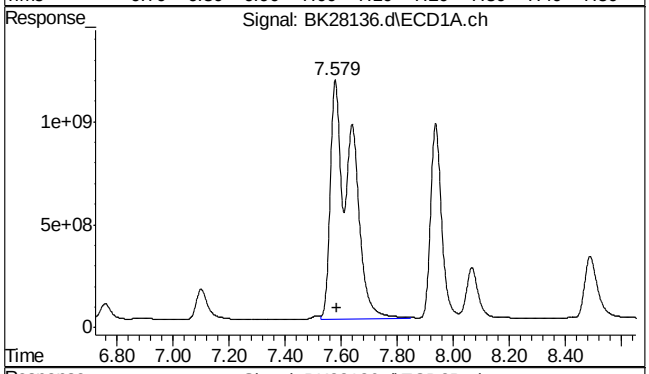
#43 AR1268-B

R.T.: 6.641 min
Delta R.T.: -0.006 min
Response: 7777967262
Conc: 628.75 ppb m



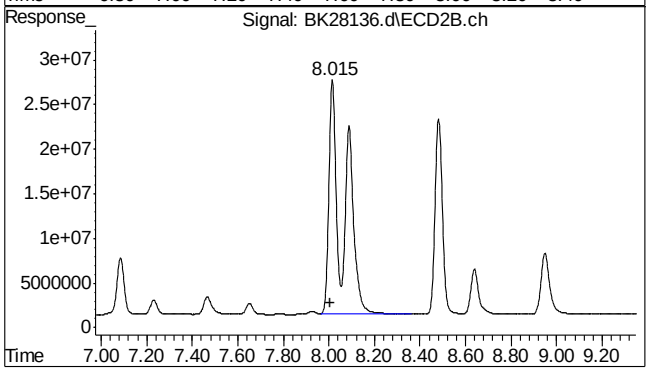
#43 AR1268-B

R.T.: 7.085 min
Delta R.T.: 0.006 min
Response: 137060318
Conc: 562.93 ppb m



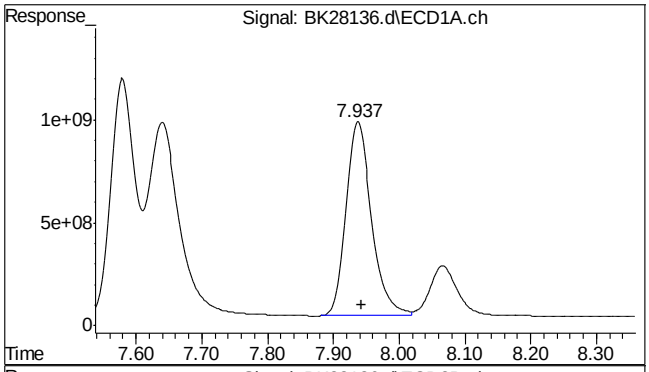
#44 AR1268-C

R.T.: 7.579 min
Delta R.T.: -0.005 min
Response: 60923793555
Conc: 651.94 ppb m



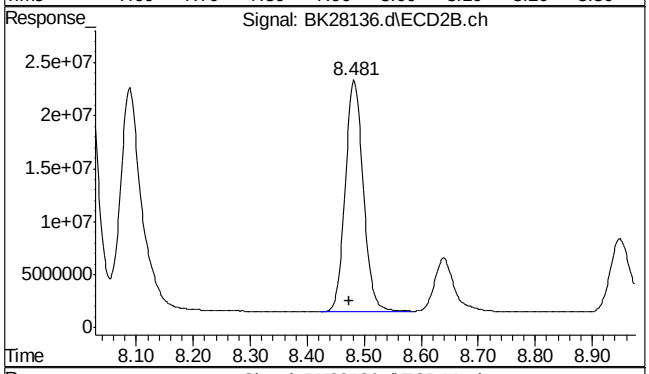
#44 AR1268-C

R.T.: 8.015 min
Delta R.T.: 0.007 min
Response: 1134376697
Conc: 565.85 ppb m



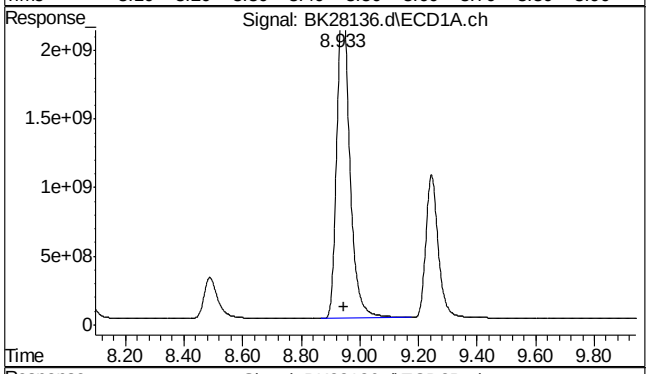
#45 AR1268-D

R.T.: 7.937 min
Delta R.T.: -0.006 min
Response: 25456595233
Conc: 646.22 ppb m



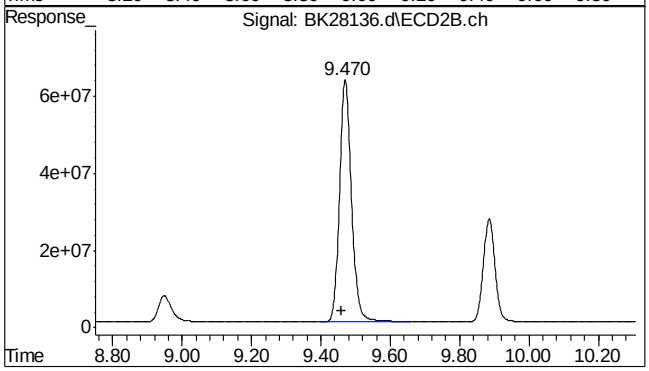
#45 AR1268-D

R.T.: 8.481 min
Delta R.T.: 0.006 min
Response: 482309365
Conc: 567.79 ppb m



#46 AR1268-E

R.T.: 8.932 min
Delta R.T.: -0.012 min
Response: 69637745287
Conc: 635.13 ppb m



#46 AR1268-E

R.T.: 9.470 min
Delta R.T.: 0.011 min
Response: 1512465599
Conc: 554.89 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28137.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 1:48 pm
Operator : nickk
Sample : ic958-500,a1248
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 110 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 17:48:10 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 19 17:46:36 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.401	2.374	13838.7E6	359.6E6	53.678m	54.004m
	Spiked Amount 40.000			Recovery	= 134.19%	135.01%	
13) s	DCB	9.244	9.886	18095.0E6	357.7E6	52.873m	54.006m
	Spiked Amount 40.000			Recovery	= 132.18%	135.01%	
	Target Compounds						
27)	AR1248-A	2.982	3.103	2114.7E6	57062722	488.052	457.793m
28)	AR1248-B	3.410	3.531	6133.1E6	133.9E6	476.359	432.046m
29)	AR1248-C	3.738	3.864	9406.7E6	224.4E6	499.070m	465.037m
30)	AR1248-D	3.949	4.645	11564.2E6	339.9E6	495.140m	428.208m
31)	AR1248-E	4.445f	4.933	13376.7E6	205.0E6	469.627m	438.847m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9.6.38

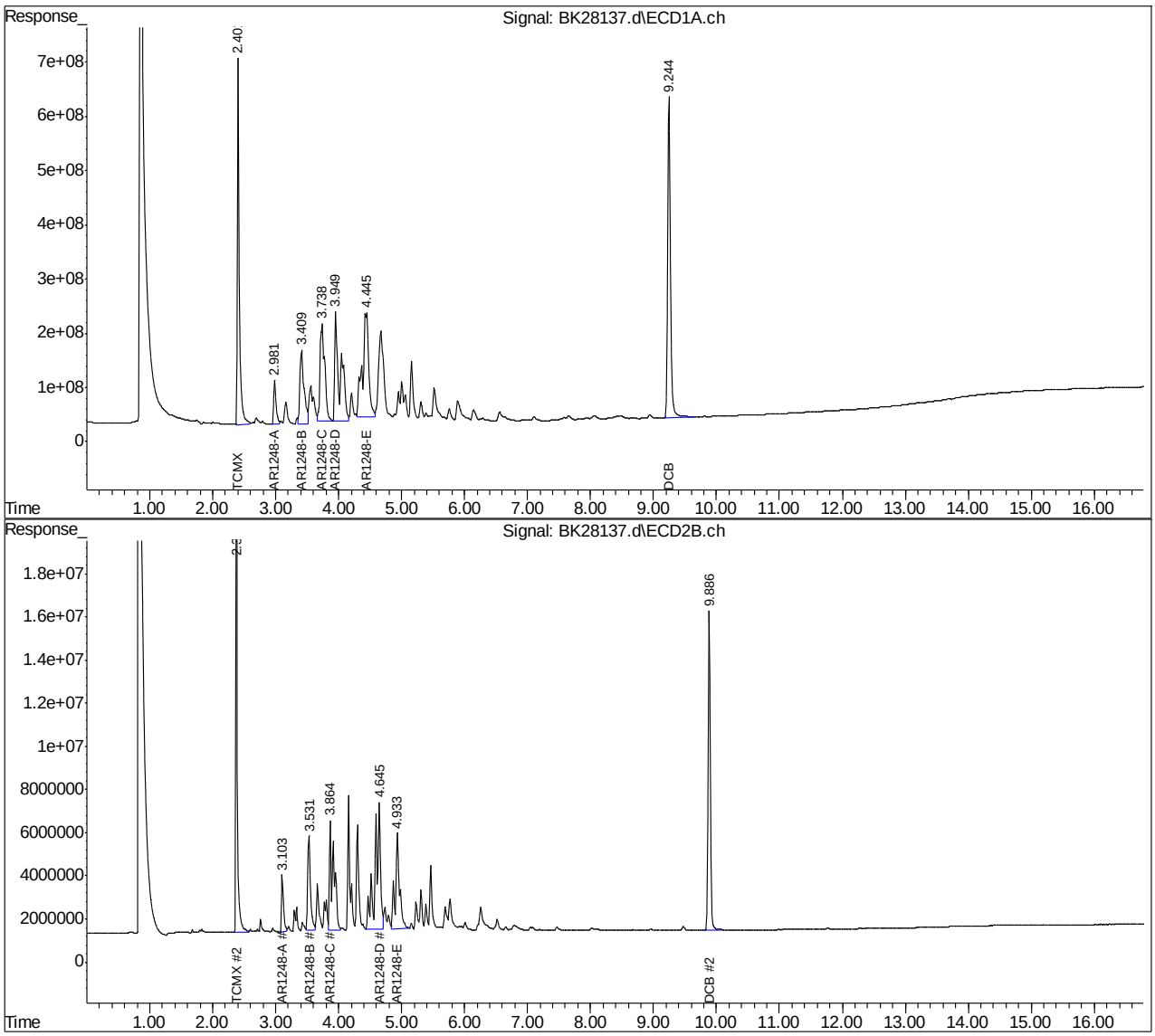
6

Quantitation Report (QT Reviewed)

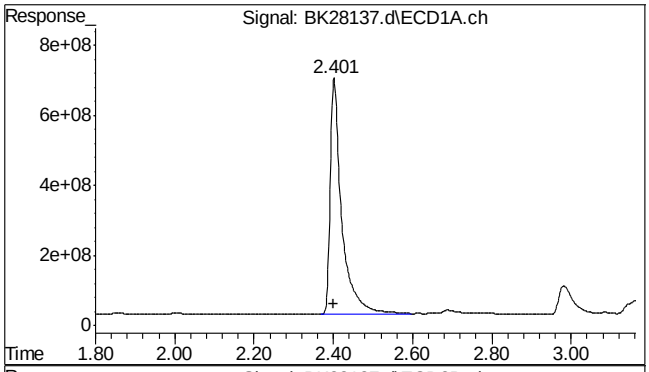
Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28137.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 1:48 pm
Operator : nickk
Sample : ic958-500,a1248
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 110 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 19 17:48:10 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Aug 19 17:46:36 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

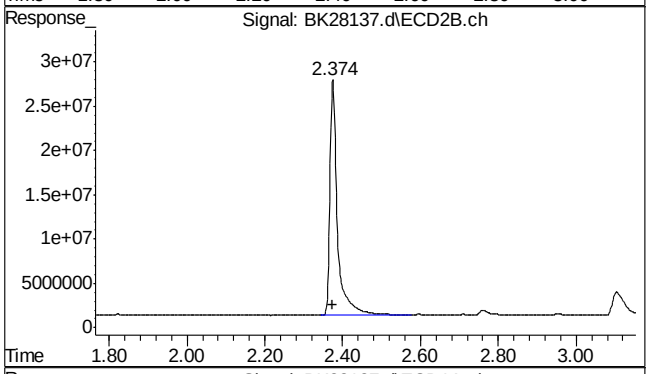


ACCUTEST LABORATORIES MC23456



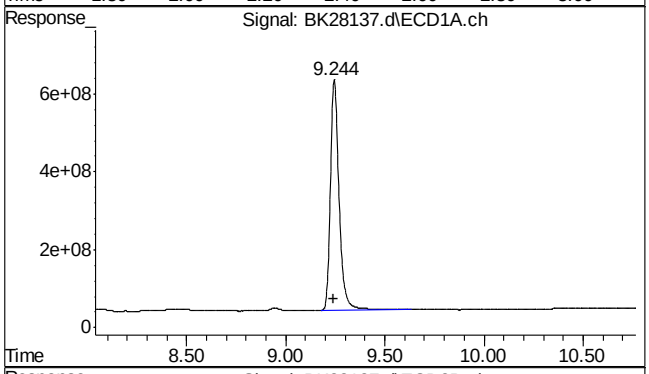
#1 TCMX

R.T.: 2.401 min
Delta R.T.: 0.000 min
Response: 13838746221
Conc: 53.68 ppb m



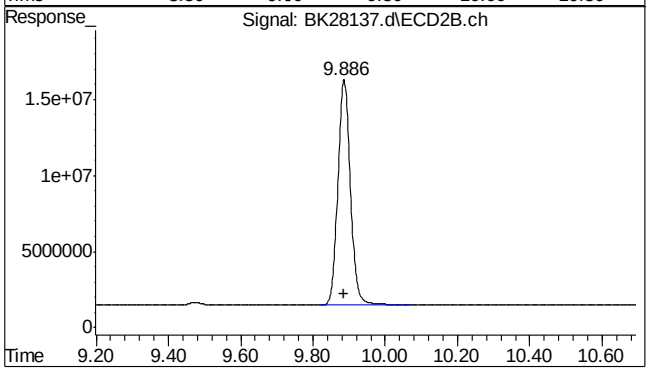
#1 TCMX

R.T.: 2.374 min
Delta R.T.: 0.000 min
Response: 359571419
Conc: 54.00 ppb m



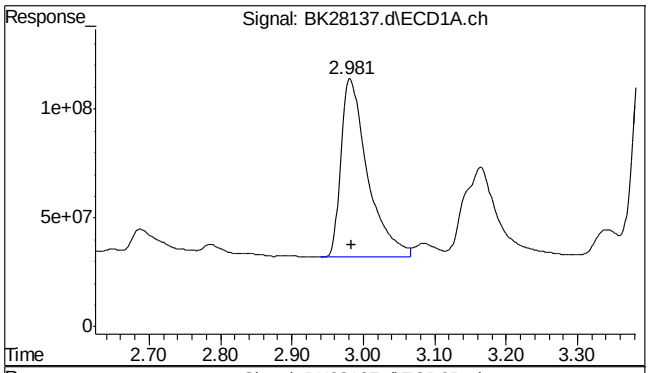
#13 DCB

R.T.: 9.244 min
Delta R.T.: 0.000 min
Response: 18095002600
Conc: 52.87 ppb m



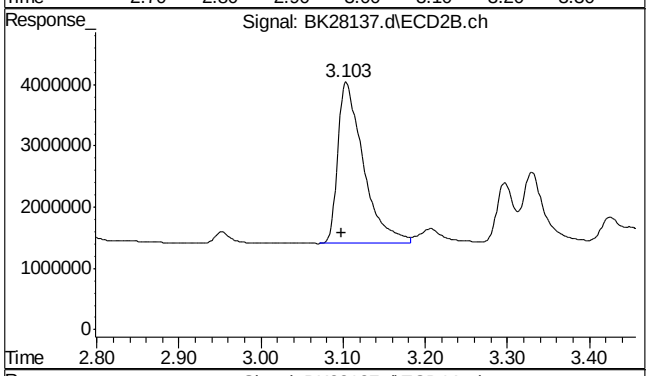
#13 DCB

R.T.: 9.886 min
Delta R.T.: 0.000 min
Response: 357696346
Conc: 54.01 ppb m



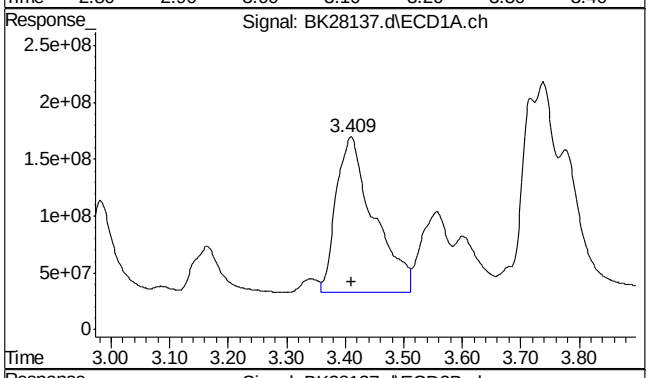
#27 AR1248-A

R.T.: 2.982 min
Delta R.T.: -0.002 min
Response: 2114745791
Conc: 488.05 ppb



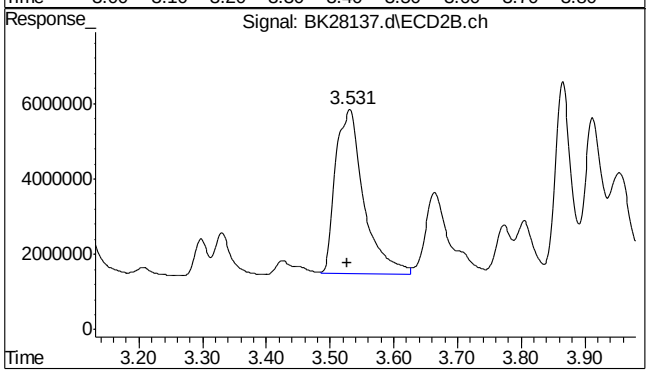
#27 AR1248-A

R.T.: 3.103 min
Delta R.T.: 0.004 min
Response: 57062722
Conc: 457.79 ppb m



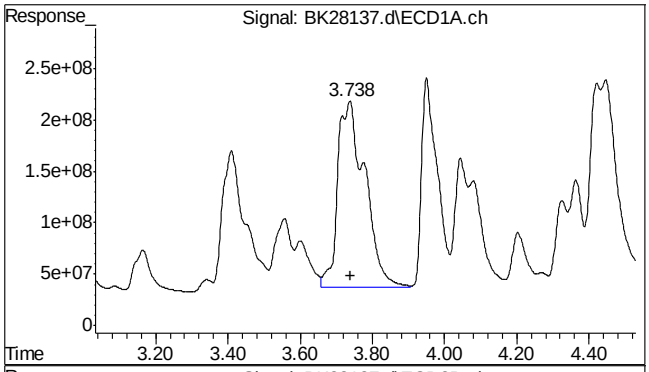
#28 AR1248-B

R.T.: 3.410 min
Delta R.T.: -0.002 min
Response: 6133142912
Conc: 476.36 ppb



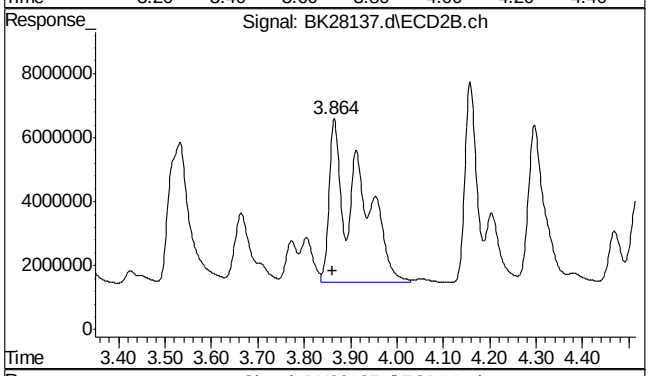
#28 AR1248-B

R.T.: 3.531 min
Delta R.T.: 0.004 min
Response: 133936117
Conc: 432.05 ppb m



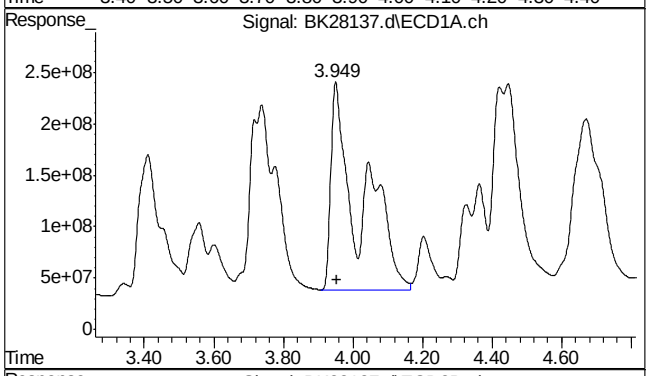
#29 AR1248-C

R.T.: 3.738 min
Delta R.T.: -0.003 min
Response: 9406718142
Conc: 499.07 ppb m



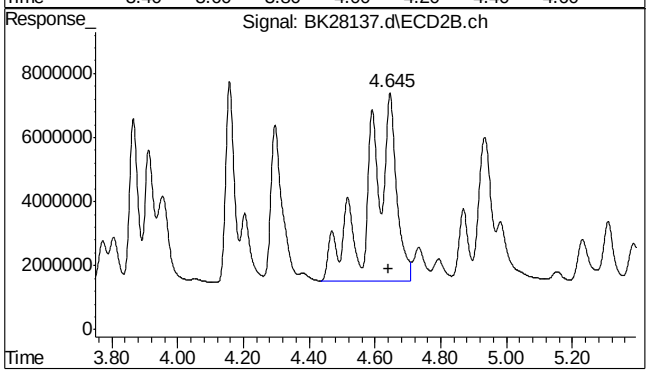
#29 AR1248-C

R.T.: 3.864 min
Delta R.T.: 0.004 min
Response: 224438462
Conc: 465.04 ppb m



#30 AR1248-D

R.T.: 3.949 min
Delta R.T.: -0.004 min
Response: 11564222818
Conc: 495.14 ppb m

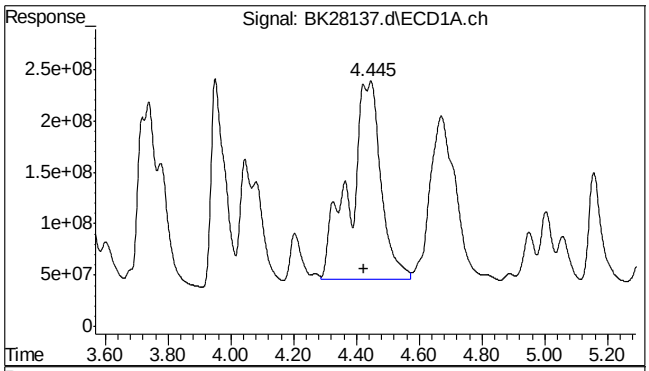


#30 AR1248-D

R.T.: 4.645 min
Delta R.T.: 0.004 min
Response: 339896498
Conc: 428.21 ppb m

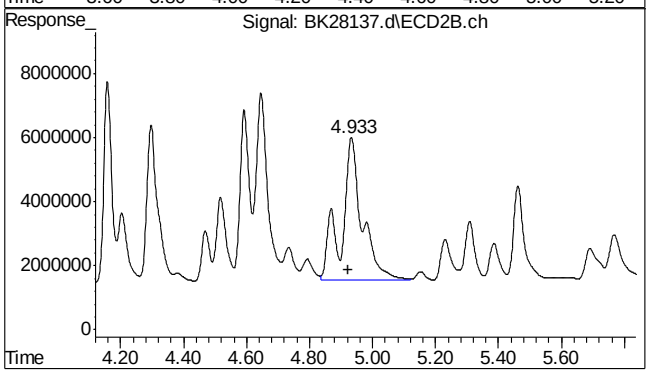
9.6.38

9



#31 AR1248-E

R.T.: 4.445 min
Delta R.T.: 0.022 min
Response: 13376707484
Conc: 469.63 ppb m



#31 AR1248-E

R.T.: 4.933 min
Delta R.T.: 0.009 min
Response: 205032029
Conc: 438.85 ppb m

9.6.38

6

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
08/20/13 16:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28138.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 2:07 pm
Operator : nickk
Sample : icv958-500,a16/60
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 111 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 14:25:28 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 20 14:22:45 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.401	2.375	12951.5E6	343.9E6	49.407m	51.257m
	Spiked Amount 40.000			Recovery	= 123.52%	128.14%	
13) s	DCB	9.245	9.886	18097.9E6	360.6E6	51.898m	53.840m
	Spiked Amount 40.000			Recovery	= 129.75%	134.60%	
	Target Compounds						
2)	AR1016-A	2.687	2.760	2048.9E6	54165891	493.983	471.754m
3)	AR1016-B	2.984	3.105	4669.0E6	117.0E6	480.031	475.818
4)	AR1016-C	3.410	3.532	10239.3E6	227.2E6	479.184	482.610m
5)	AR1016-D	3.541	3.666	6557.5E6	88203089	486.037m	476.770m
6)	AR1016-E	3.950	4.158	4120.6E6	110.8E6	477.210m	496.183m
7)	AR1260-A	5.386	5.721	7771.1E6	163.9E6	483.993m	498.347m
8)	AR1260-B	5.753	6.008	16122.2E6	194.7E6	492.657m	490.219m
9)	AR1260-C	6.295	6.648	28152.1E6	492.5E6	490.226m	507.656m
10)	AR1260-D	7.101	7.466	24026.1E6	363.0E6	509.926	487.352m
11)	AR1260-E	7.576	8.027	20800.3E6	370.4E6	487.905m	504.001m
12)	AR1260-F	8.490	8.951	5798.9E6	110.9E6	513.421m	527.605m

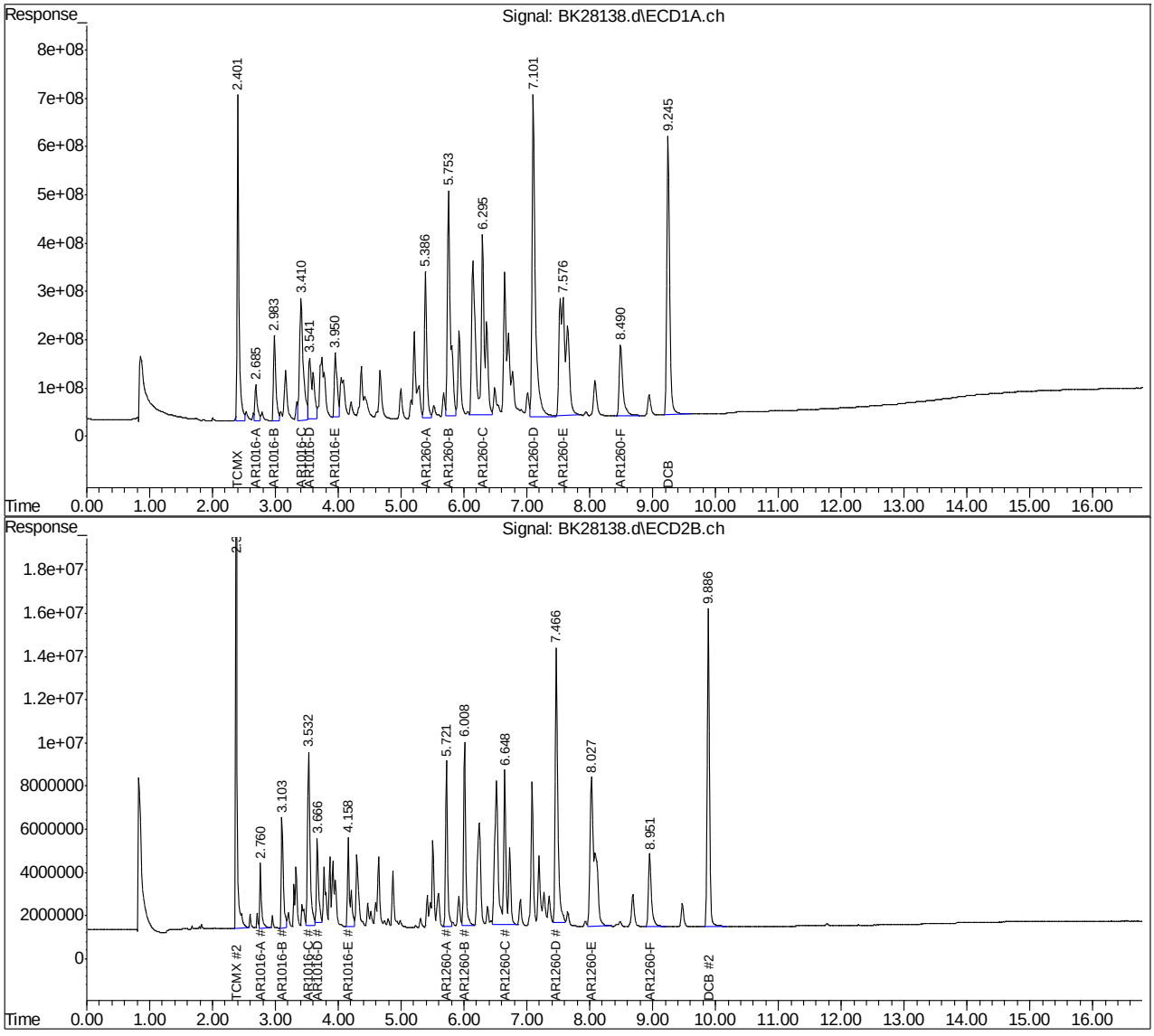
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

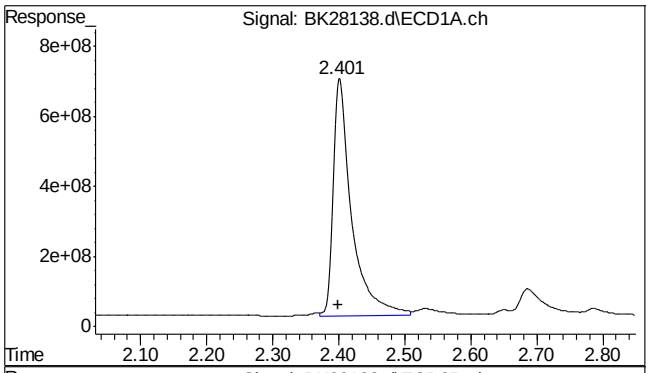
Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28138.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 2:07 pm
Operator : nickk
Sample : icv958-500,a16/60
Misc : op34382,gbk958,15,,,10,,s
ALS Vial : 111 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 14:25:28 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 20 14:22:45 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

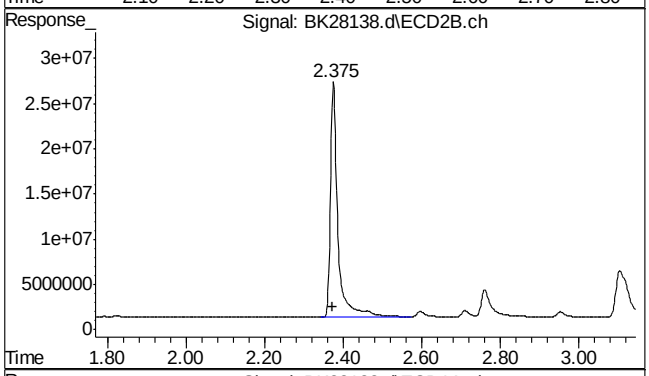


ACCUTEST LABORATORIES MC23456



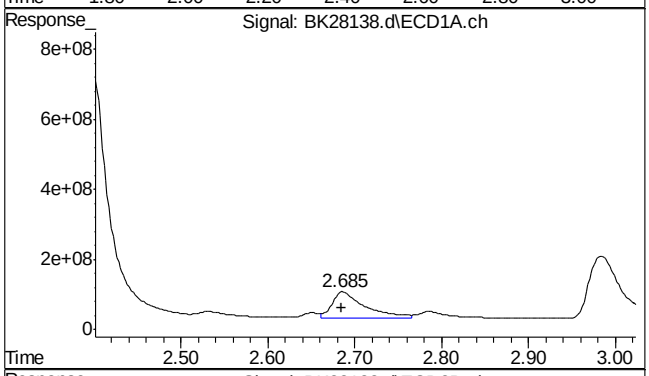
#1 TCMX

R.T.: 2.401 min
Delta R.T.: 0.000 min
Response: 12951480081
Conc: 49.41 ppb m



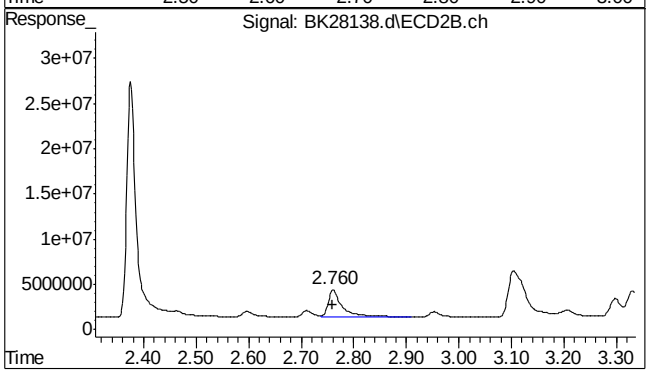
#1 TCMX

R.T.: 2.375 min
Delta R.T.: 0.000 min
Response: 343902603
Conc: 51.26 ppb m



#2 AR1016-A

R.T.: 2.687 min
Delta R.T.: 0.002 min
Response: 2048864708
Conc: 493.98 ppb

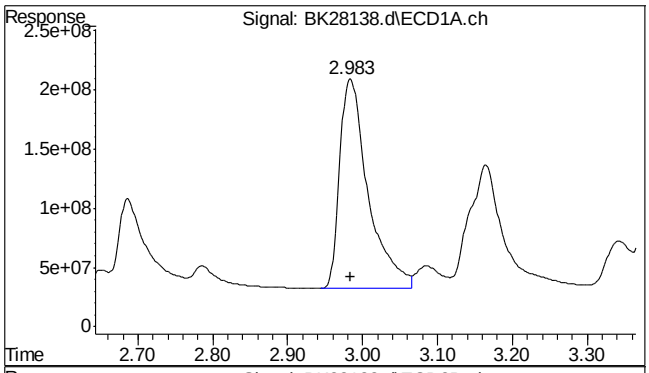


#2 AR1016-A

R.T.: 2.760 min
Delta R.T.: 0.001 min
Response: 54165891
Conc: 471.75 ppb m

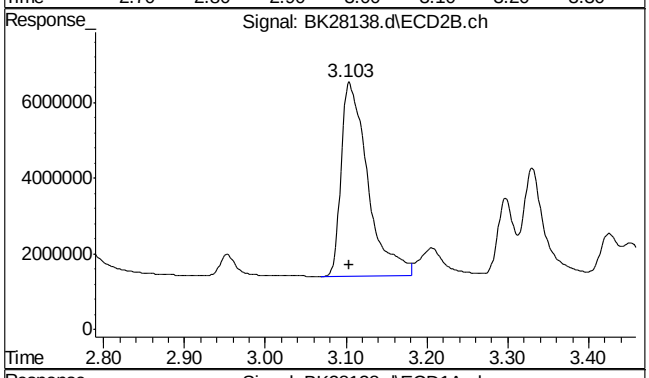
9.6.39

6



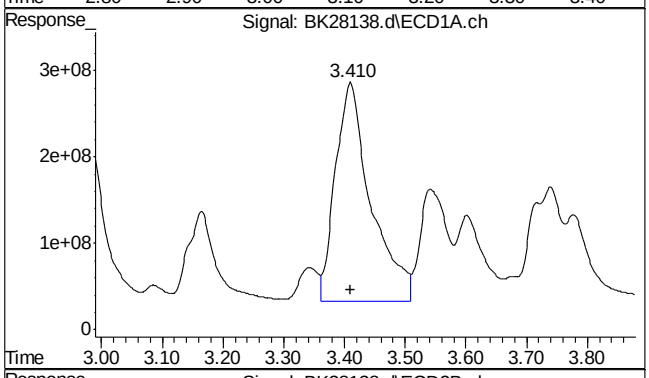
#3 AR1016-B

R.T.: 2.984 min
Delta R.T.: 0.000 min
Response: 4669031490
Conc: 480.03 ppb



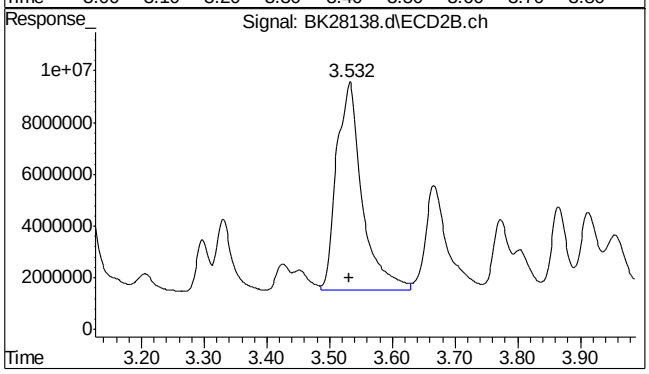
#3 AR1016-B

R.T.: 3.105 min
Delta R.T.: 0.000 min
Response: 116969868
Conc: 475.82 ppb



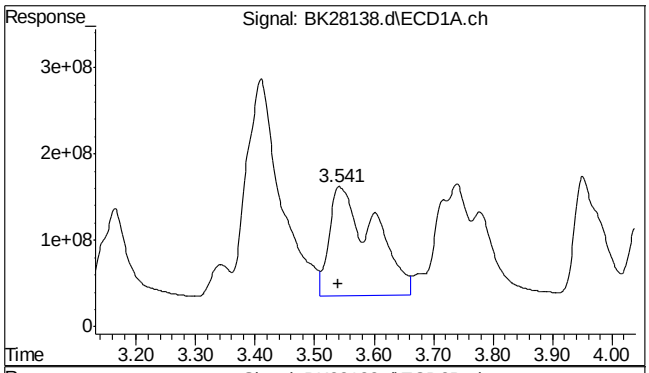
#4 AR1016-C

R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 10239348472
Conc: 479.18 ppb



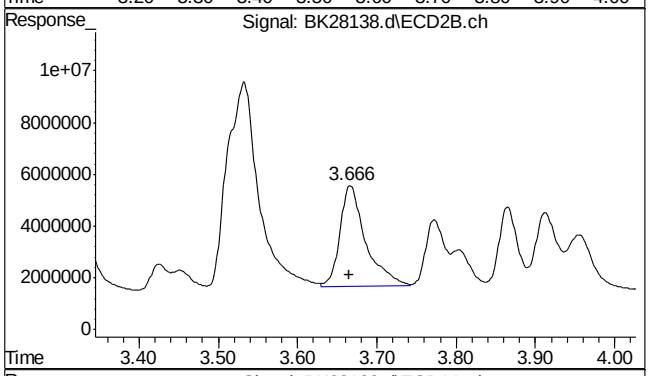
#4 AR1016-C

R.T.: 3.532 min
Delta R.T.: 0.000 min
Response: 227211510
Conc: 482.61 ppb m



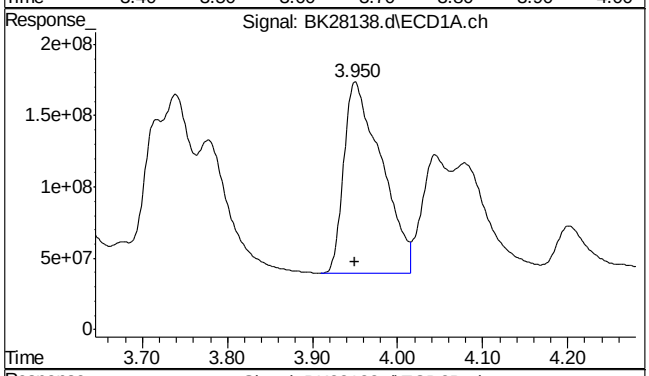
#5 AR1016-D

R.T.: 3.541 min
Delta R.T.: 0.000 min
Response: 6557491826
Conc: 486.04 m



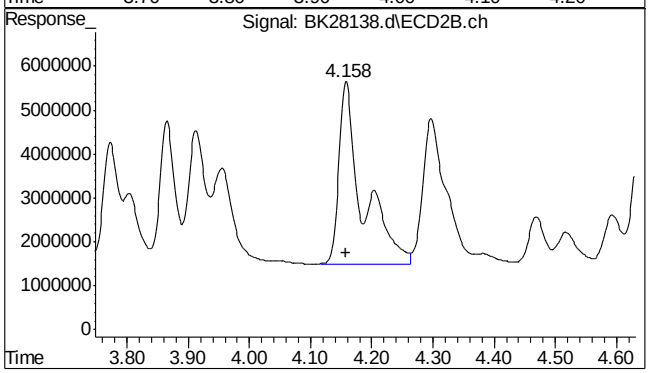
#5 AR1016-D

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 88203089
Conc: 476.77 m



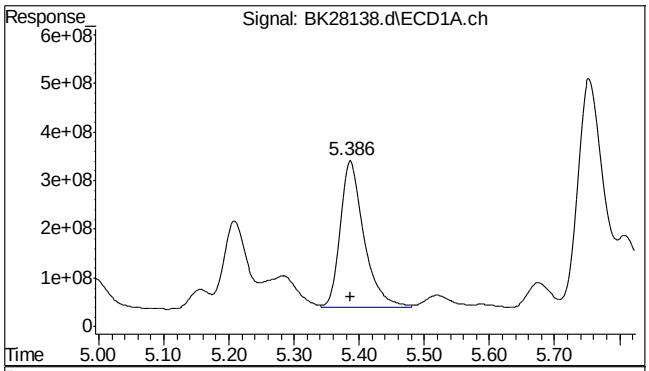
#6 AR1016-E

R.T.: 3.950 min
Delta R.T.: 0.000 min
Response: 4120640821
Conc: 477.21 m



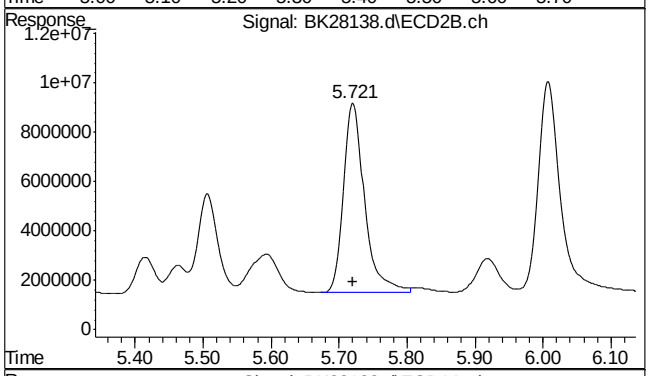
#6 AR1016-E

R.T.: 4.158 min
Delta R.T.: 0.000 min
Response: 110847592
Conc: 496.18 m



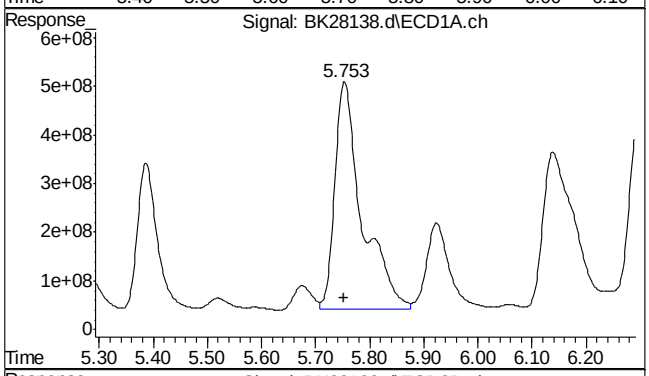
#7 AR1260-A

R.T.: 5.386 min
Delta R.T.: -0.001 min
Response: 7771137303
Conc: 483.99 ppb m



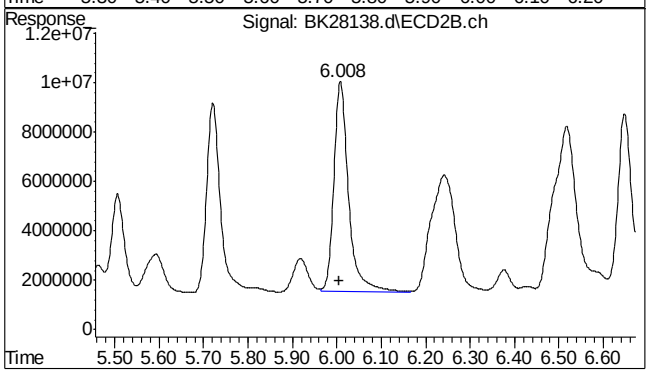
#7 AR1260-A

R.T.: 5.721 min
Delta R.T.: 0.001 min
Response: 163921996
Conc: 498.35 ppb m



#8 AR1260-B

R.T.: 5.753 min
Delta R.T.: 0.000 min
Response: 16122227765
Conc: 492.66 ppb m

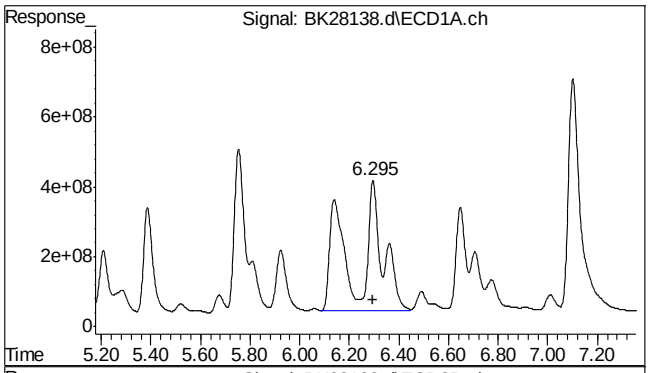


#8 AR1260-B

R.T.: 6.008 min
Delta R.T.: 0.001 min
Response: 194665258
Conc: 490.22 ppb m

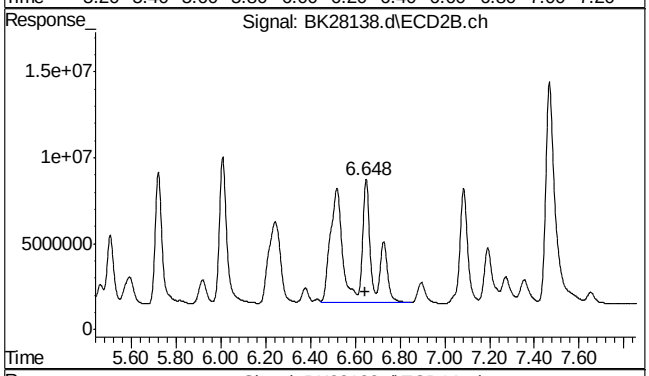
9.6.39

9



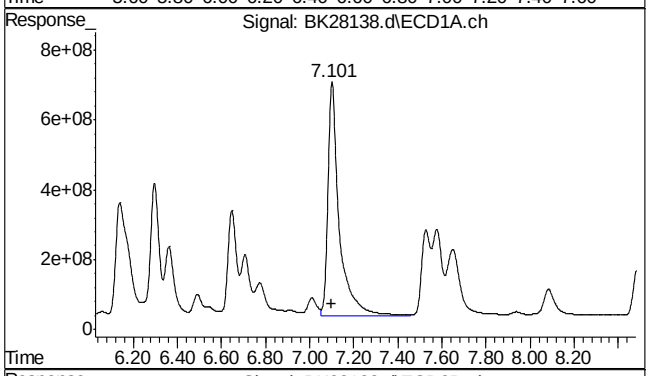
#9 AR1260-C

R.T.: 6.295 min
Delta R.T.: 0.000 min
Response: 28152098758
Conc: 490.23 ppb m



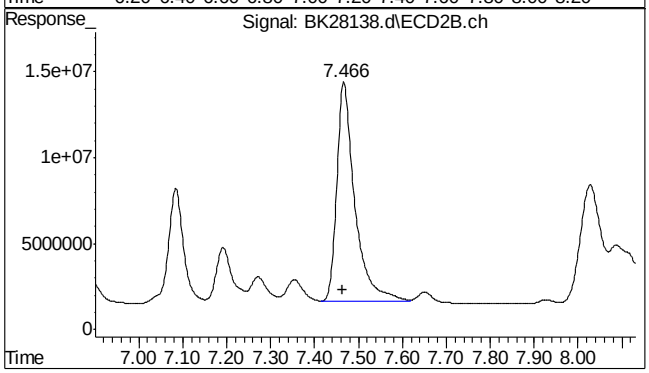
#9 AR1260-C

R.T.: 6.648 min
Delta R.T.: 0.001 min
Response: 492535883
Conc: 507.66 ppb m



#10 AR1260-D

R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 24026119620
Conc: 509.93 ppb

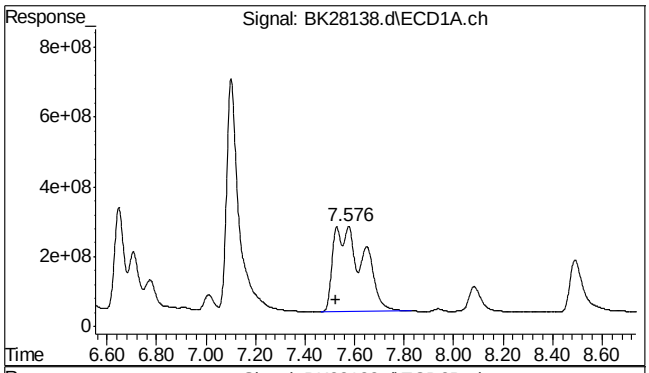


#10 AR1260-D

R.T.: 7.466 min
Delta R.T.: 0.002 min
Response: 362953180
Conc: 487.35 ppb m

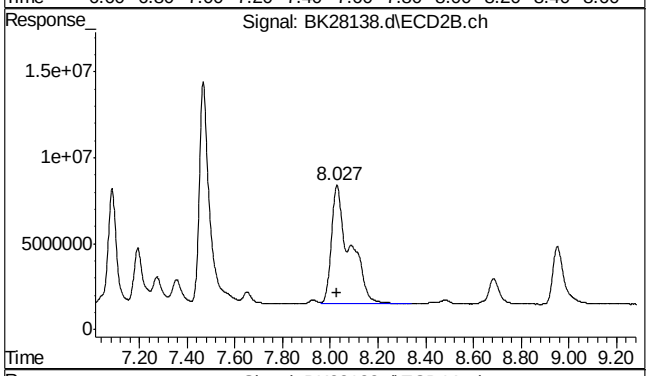
9.6.39

6



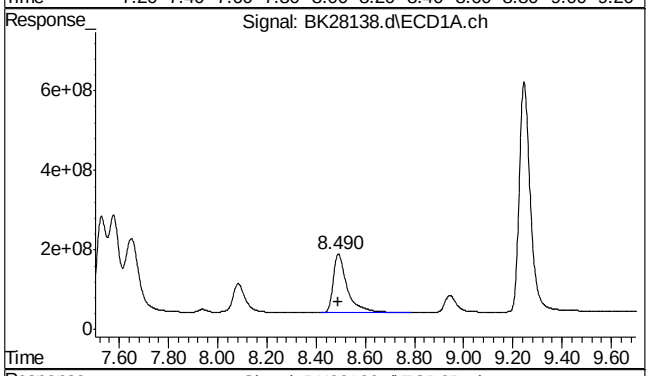
#11 AR1260-E

R.T.: 7.576 min
Delta R.T.: 0.049 min
Response: 20800310395
Conc: 487.90 ppb m



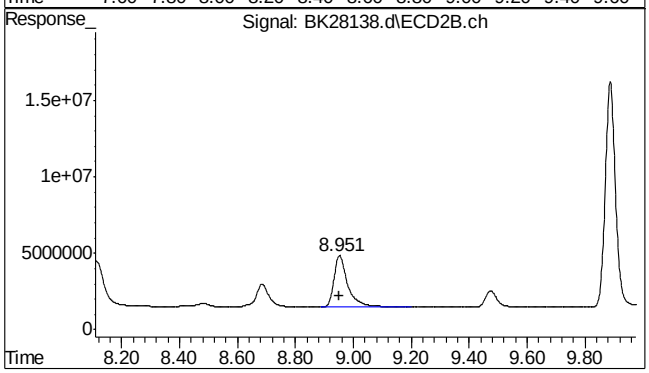
#11 AR1260-E

R.T.: 8.027 min
Delta R.T.: 0.000 min
Response: 370437133
Conc: 504.00 ppb m



#12 AR1260-F

R.T.: 8.490 min
Delta R.T.: 0.000 min
Response: 5798884984
Conc: 513.42 m

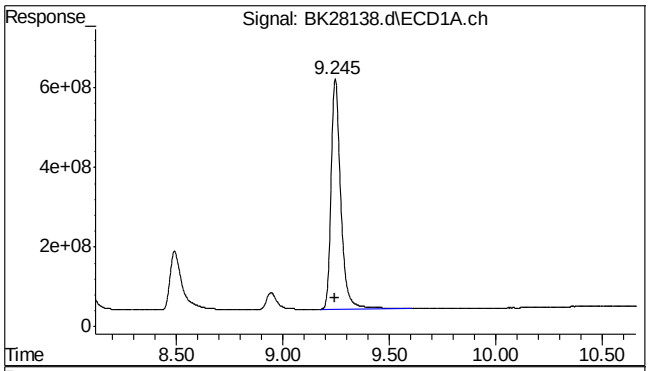


#12 AR1260-F

R.T.: 8.951 min
Delta R.T.: 0.000 min
Response: 110871611
Conc: 527.61 m

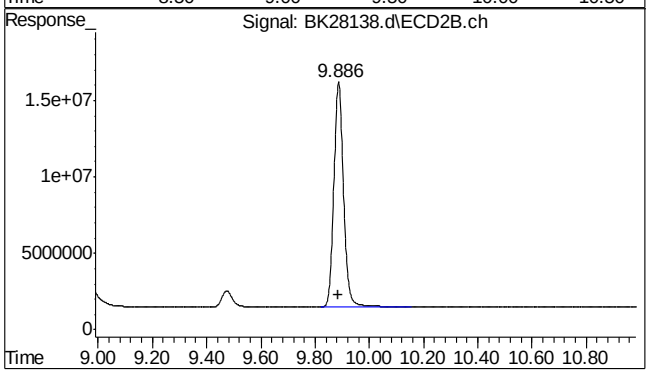
9.6.39

6



#13 DCB

R.T.: 9.245 min
Delta R.T.: 0.000 min
Response: 18097901511
Conc: 51.90 ppb m



#13 DCB

R.T.: 9.886 min
Delta R.T.: 0.001 min
Response: 360626561
Conc: 53.84 ppb m

9.6.39

6

Manual Integrations APPROVED (compounds with "m" flag)
Sona Liskova
08/20/13 16:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28142.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 3:37 pm
Operator : nickk
Sample : cc958-750,a16/60
Misc : op34382,gbk960,15,,,10,,s
ALS Vial : 102 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 15:02:47 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 20 14:22:45 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.400	2.374	14332.7E6	374.8E6	54.676m	55.866m
	Spiked Amount 40.000			Recovery	= 136.69%	139.66%	
13) s	DCB	9.245	9.884	18410.6E6	377.1E6	52.765	56.230m
	Spiked Amount 40.000			Recovery	= 131.91%	140.57%	
	Target Compounds						
2)	AR1016-A	2.684	2.759	3132.1E6	82445344	755.162m	718.052m
3)	AR1016-B	2.983	3.105	7459.4E6	177.8E6	766.915	723.370
4)	AR1016-C	3.408	3.532	16011.8E6	353.6E6	749.323m	750.975m
5)	AR1016-D	3.539	3.666	10111.3E6	139.8E6	749.444m	755.631m
6)	AR1016-E	3.949	4.157	6456.1E6	165.6E6	747.676m	741.442m
7)	AR1260-A	5.386	5.720	11386.3E6	243.3E6	709.148m	739.787m
8)	AR1260-B	5.752	6.006	24728.4E6	296.2E6	755.642m	745.791m
9)	AR1260-C	6.295	6.646	43940.5E6	750.1E6	765.156m	773.093m
10)	AR1260-D	7.100	7.464	35956.3E6	574.7E6	763.131m	771.674m
11)	AR1260-E	7.525	8.027	30966.3E6	557.5E6	726.365m	758.446m
12)	AR1260-F	8.487	8.946	8088.4E6	157.1E6	716.131	747.550m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9.6.40

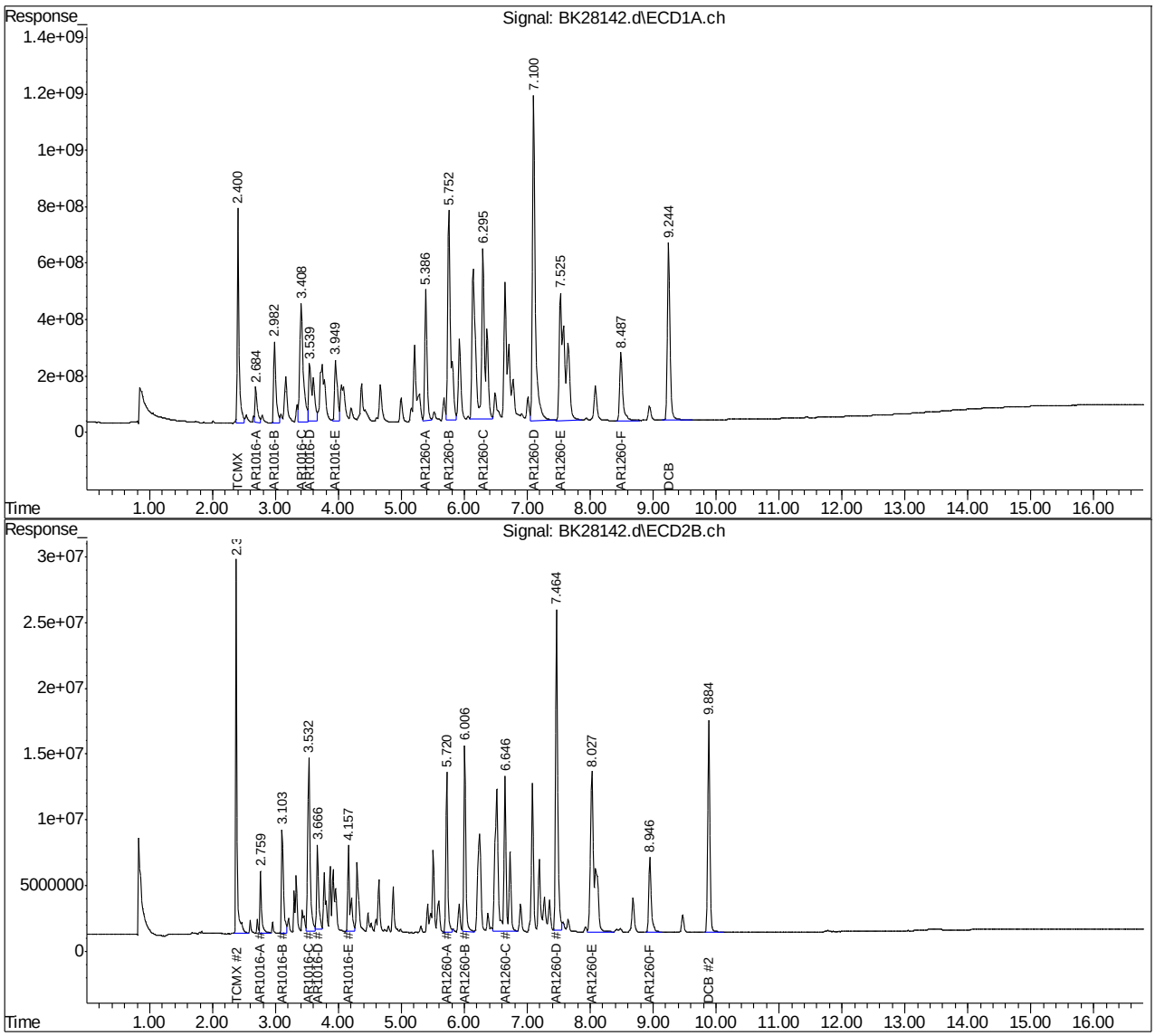
9

Quantitation Report (QT Reviewed)

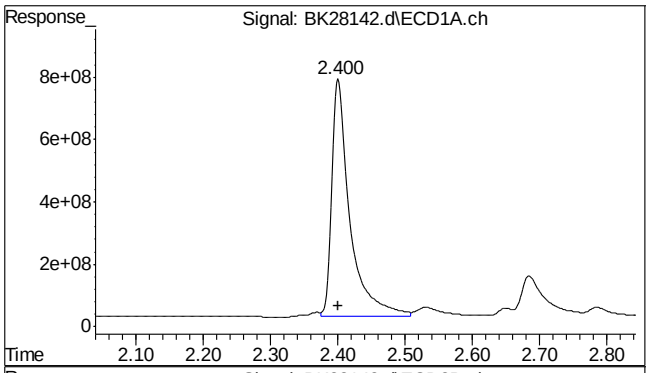
Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28142.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 3:37 pm
Operator : nickk
Sample : cc958-750,a16/60
Misc : op34382,gbk960,15,,,10,,s
ALS Vial : 102 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 15:02:47 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 20 14:22:45 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

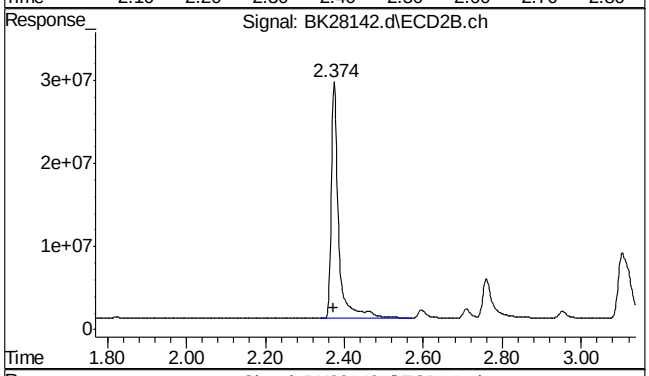


ACCUTEST LABORATORIES MC23456



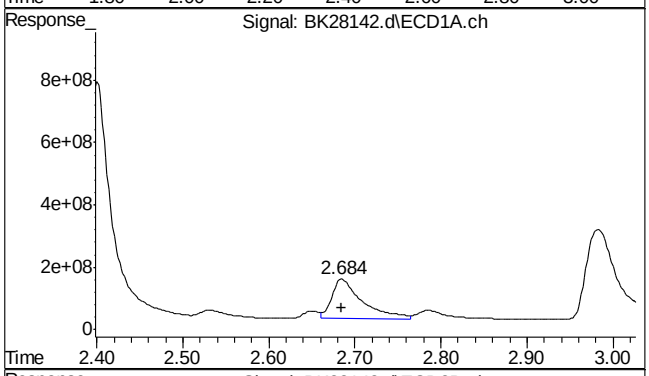
#1 TCMX

R.T.: 2.400 min
Delta R.T.: 0.000 min
Response: 14332749467
Conc: 54.68 ppb m



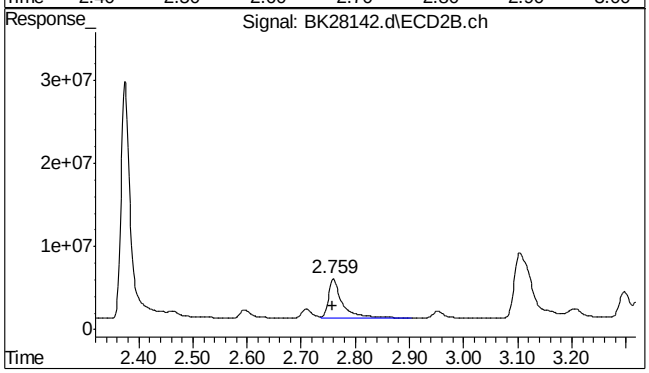
#1 TCMX

R.T.: 2.374 min
Delta R.T.: 0.000 min
Response: 374828766
Conc: 55.87 ppb m



#2 AR1016-A

R.T.: 2.684 min
Delta R.T.: 0.000 min
Response: 3132141534
Conc: 755.16 ppb m

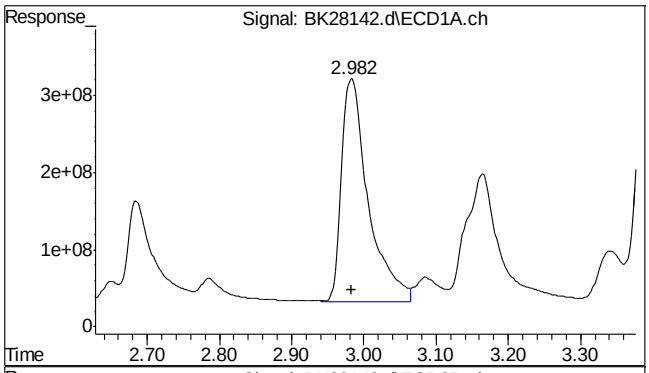


#2 AR1016-A

R.T.: 2.759 min
Delta R.T.: 0.000 min
Response: 82445344
Conc: 718.05 ppb m

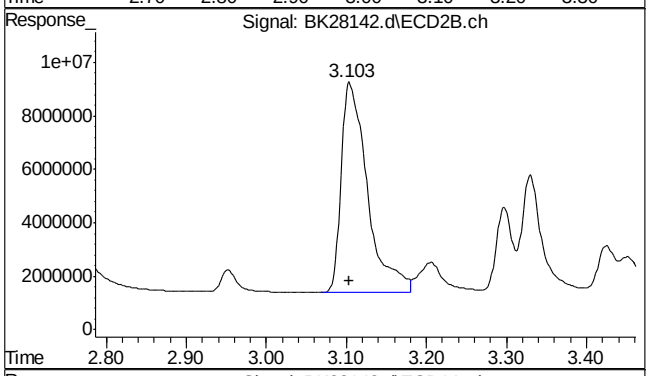
9.6.40

9



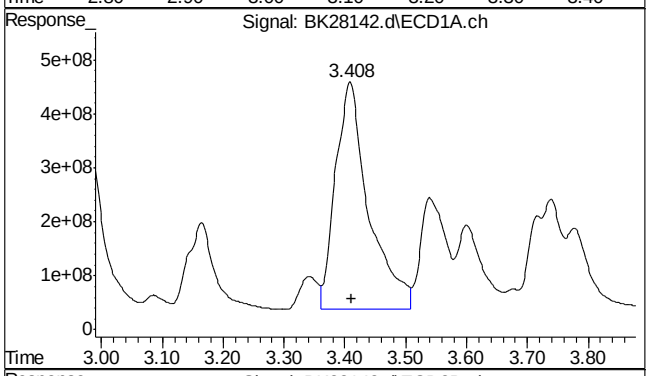
#3 AR1016-B

R.T.: 2.983 min
Delta R.T.: 0.000 min
Response: 7459410072
Conc: 766.92 ppb



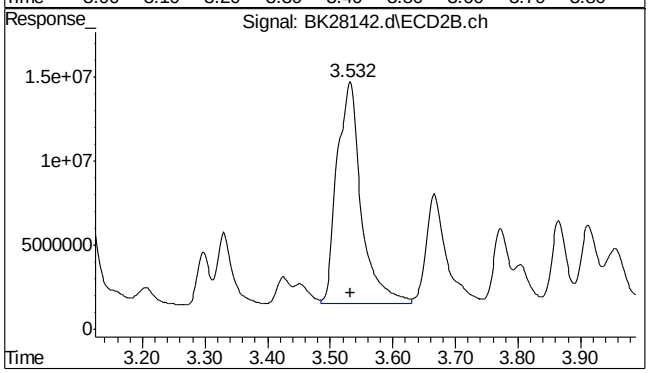
#3 AR1016-B

R.T.: 3.105 min
Delta R.T.: 0.000 min
Response: 177825542
Conc: 723.37 ppb



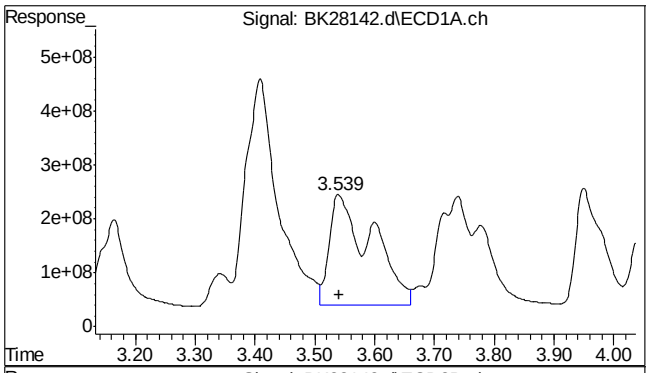
#4 AR1016-C

R.T.: 3.408 min
Delta R.T.: -0.002 min
Response: 16011763879
Conc: 749.32 ppb m



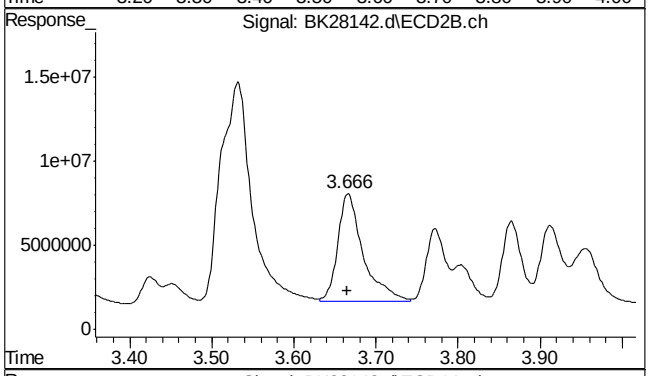
#4 AR1016-C

R.T.: 3.532 min
Delta R.T.: 0.000 min
Response: 353556835
Conc: 750.98 ppb m



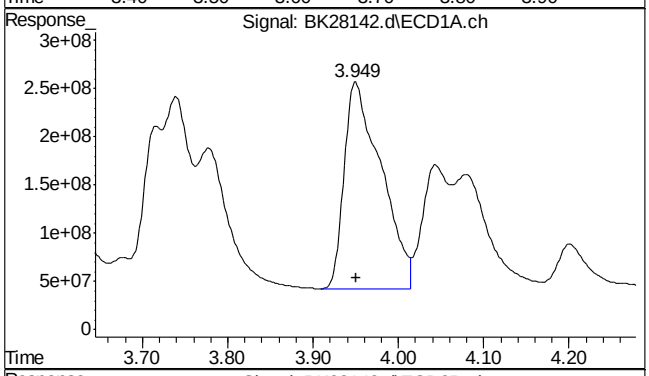
#5 AR1016-D

R.T.: 3.539 min
Delta R.T.: -0.002 min
Response: 10111312745
Conc: 749.44 m



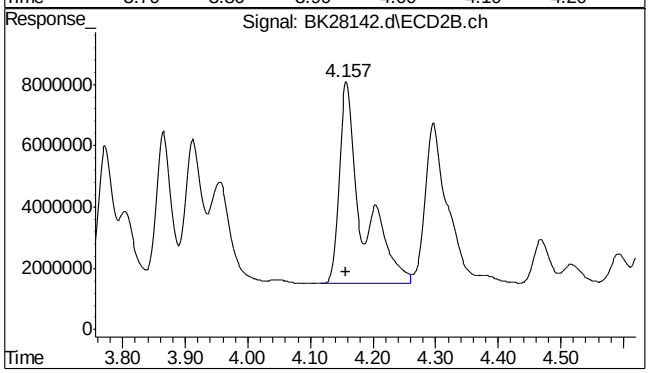
#5 AR1016-D

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 139792923
Conc: 755.63 m



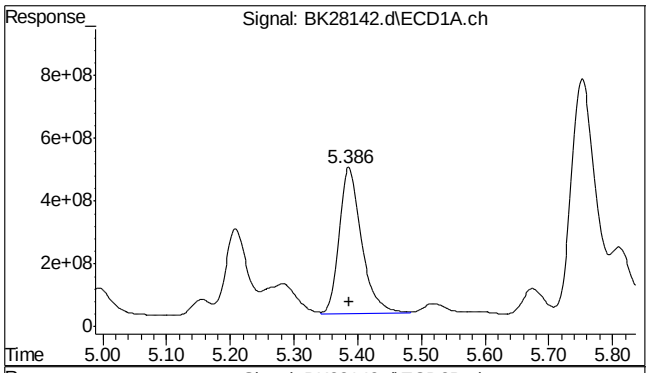
#6 AR1016-E

R.T.: 3.949 min
Delta R.T.: 0.000 min
Response: 6456074246
Conc: 747.68 m



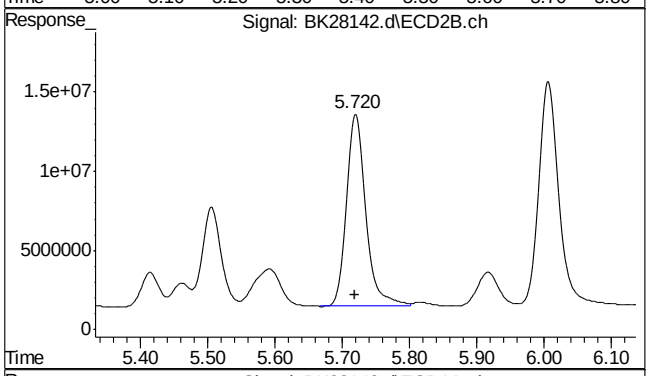
#6 AR1016-E

R.T.: 4.157 min
Delta R.T.: 0.000 min
Response: 165638711
Conc: 741.44 m



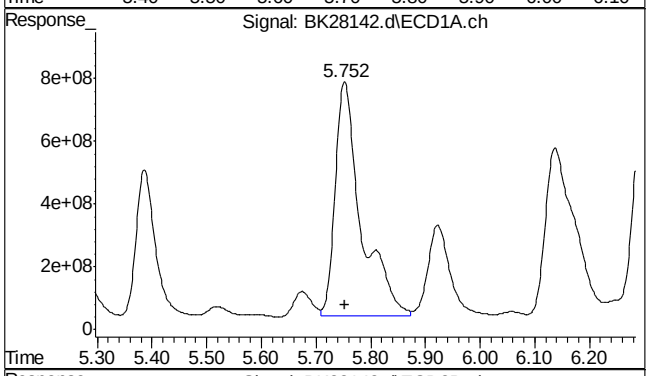
#7 AR1260-A

R.T.: 5.386 min
Delta R.T.: -0.002 min
Response: 11386291545
Conc: 709.15 ppb m



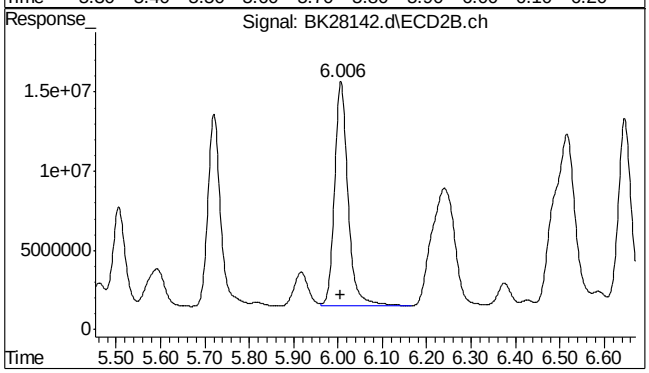
#7 AR1260-A

R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 243339090
Conc: 739.79 ppb m



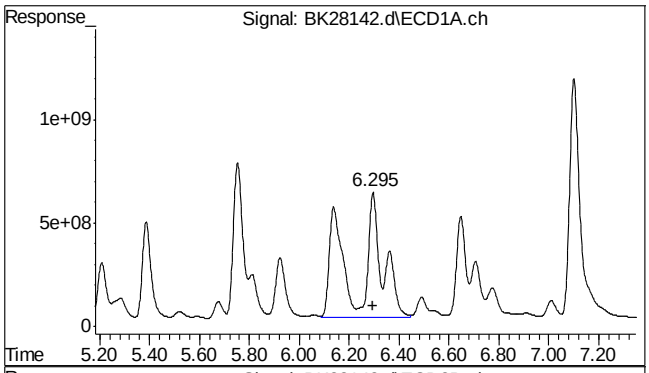
#8 AR1260-B

R.T.: 5.752 min
Delta R.T.: 0.000 min
Response: 24728387261
Conc: 755.64 ppb m



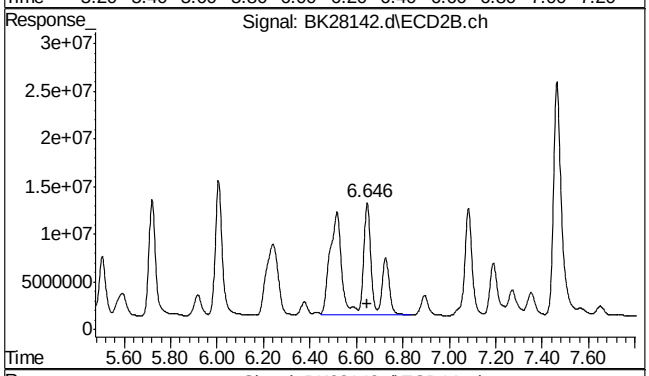
#8 AR1260-B

R.T.: 6.006 min
Delta R.T.: 0.000 min
Response: 296152309
Conc: 745.79 ppb m



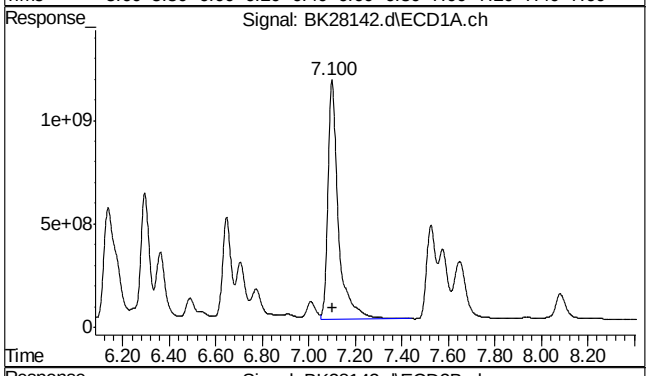
#9 AR1260-C

R.T.: 6.295 min
Delta R.T.: 0.000 min
Response: 43940468906
Conc: 765.16 ppb m



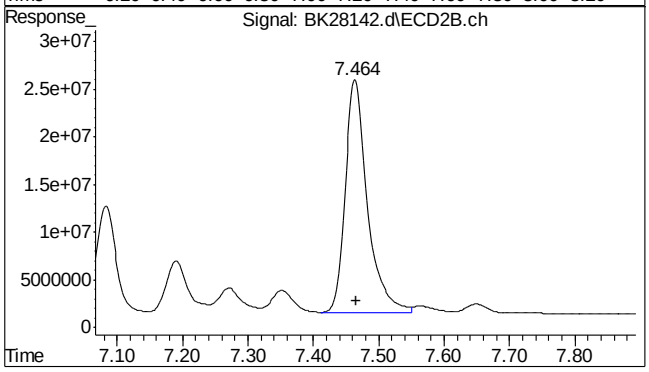
#9 AR1260-C

R.T.: 6.646 min
Delta R.T.: 0.000 min
Response: 750067171
Conc: 773.09 ppb m



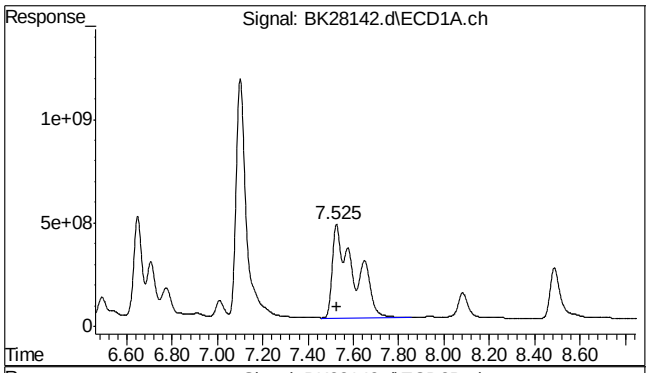
#10 AR1260-D

R.T.: 7.100 min
Delta R.T.: -0.001 min
Response: 35956321791
Conc: 763.13 ppb m



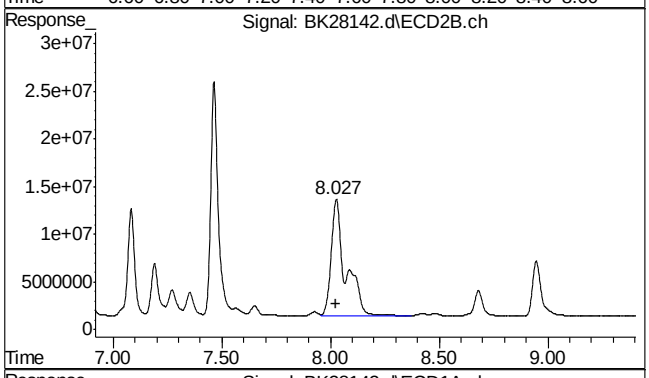
#10 AR1260-D

R.T.: 7.464 min
Delta R.T.: -0.001 min
Response: 574700508
Conc: 771.67 ppb m



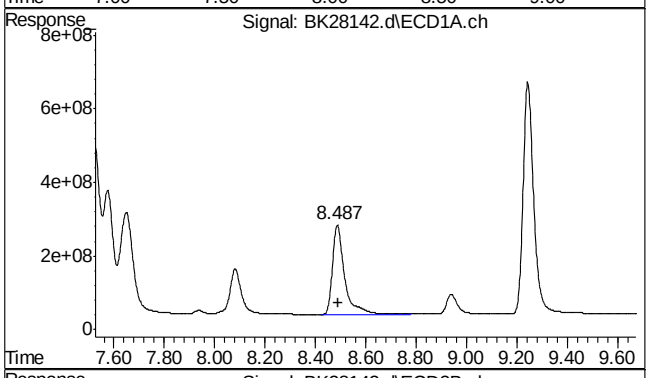
#11 AR1260-E

R.T.: 7.525 min
Delta R.T.: -0.002 min
Response: 30966341750
Conc: 726.37 ppb m



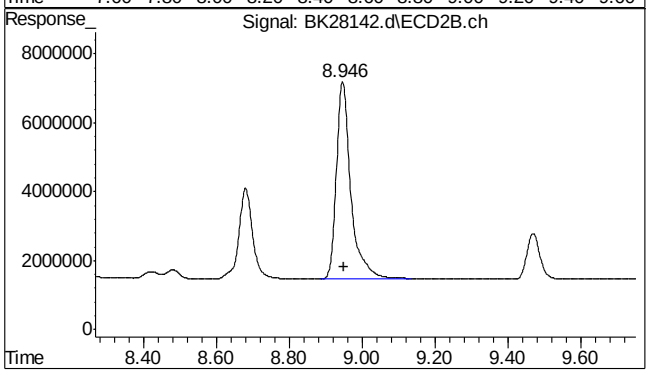
#11 AR1260-E

R.T.: 8.027 min
Delta R.T.: 0.000 min
Response: 557452621
Conc: 758.45 ppb m



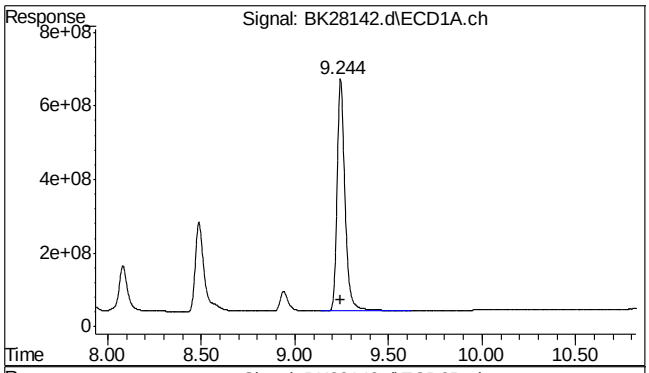
#12 AR1260-F

R.T.: 8.487 min
Delta R.T.: -0.002 min
Response: 8088423447
Conc: 716.13



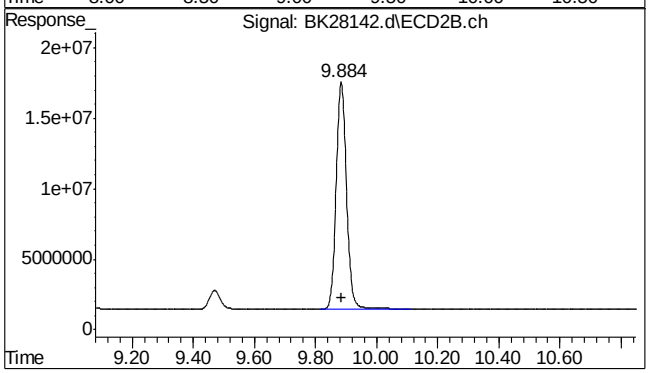
#12 AR1260-F

R.T.: 8.946 min
Delta R.T.: -0.005 min
Response: 157091028
Conc: 747.55 m



#13 DCB

R.T.: 9.245 min
Delta R.T.: 0.000 min
Response: 18410584216
Conc: 52.76 ppb



#13 DCB

R.T.: 9.884 min
Delta R.T.: -0.001 min
Response: 377051932
Conc: 56.23 ppb m

Manual Integrations APPROVED
(compounds with "m" flag)
Sona Liskova
08/20/13 16:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28143.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 3:56 pm
Operator : nickk
Sample : cc958-500,a21/54
Misc : op34382,gbk960,15,,,10,,s
ALS Vial : 91 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 15:06:13 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 20 14:22:45 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.401	2.374	11044.3E6	291.0E6	42.132m	43.369m
	Spiked Amount 40.000			Recovery	= 105.33%	108.42%	
13) s	DCB	9.243	9.884	12478.1E6	252.9E6	35.754m	37.587m
	Spiked Amount 40.000			Recovery	= 89.38%	93.97%	
	Target Compounds						
32)	AR1254-A	4.365	4.640	9971.4E6	187.3E6	533.876m	547.889m
33)	AR1254-B	4.663	4.868	13678.1E6	271.1E6	533.466m	527.568m
34)	AR1254-C	5.154	5.461	19953.9E6	445.5E6	543.230m	545.265m
35)	AR1254-D	5.516	5.767	7134.7E6	225.1E6	540.478m	564.703m
36)	AR1254-E	6.138	6.519	10474.3E6	210.3E6	546.502m	552.497m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9.6.41

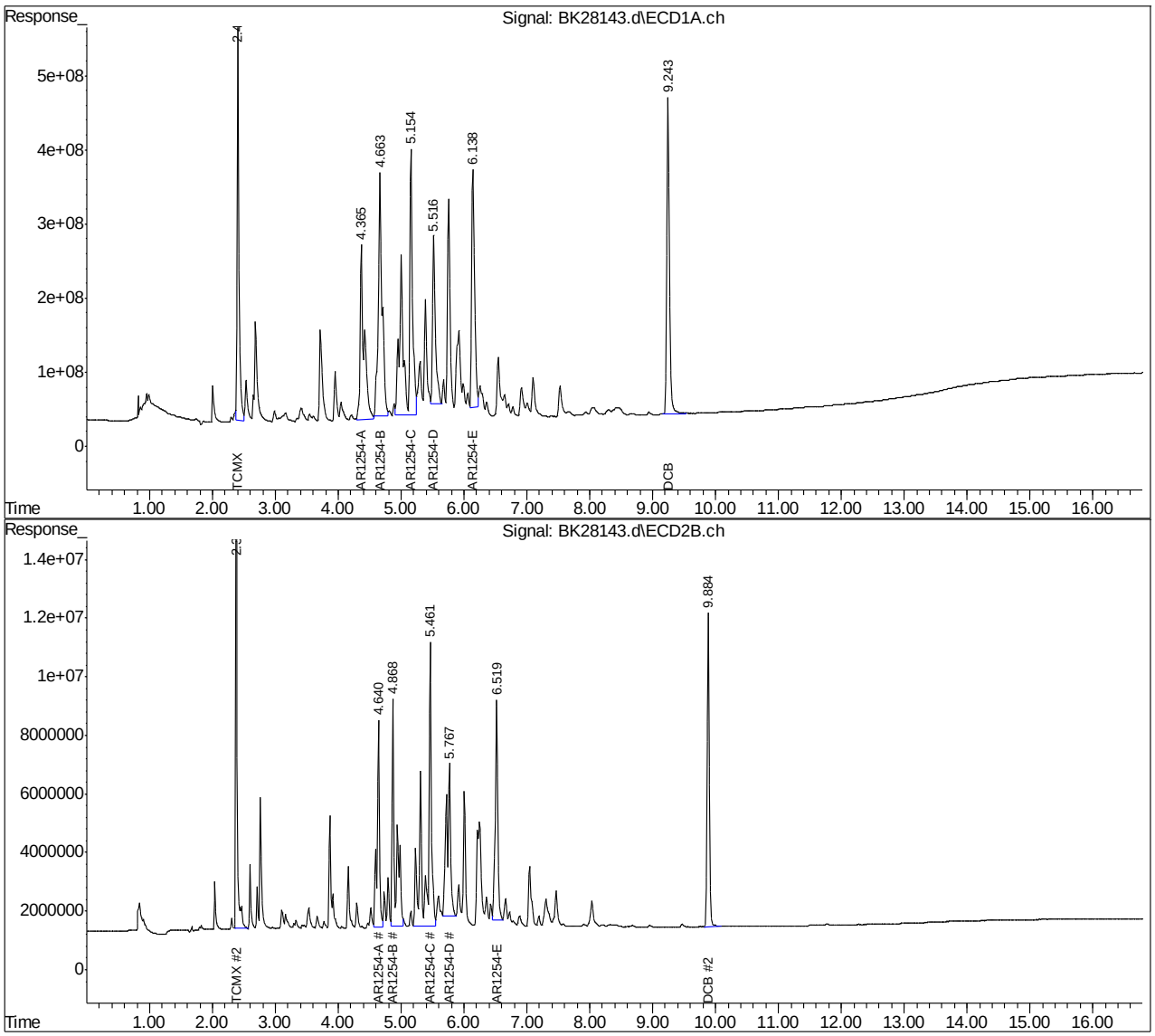
9

Quantitation Report (QT Reviewed)

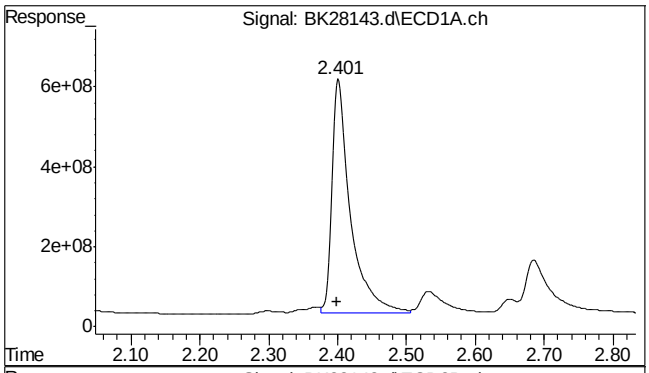
Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28143.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 3:56 pm
Operator : nickk
Sample : cc958-500,a21/54
Misc : op34382,gbk960,15,,,10,,s
ALS Vial : 91 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 15:06:13 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 20 14:22:45 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

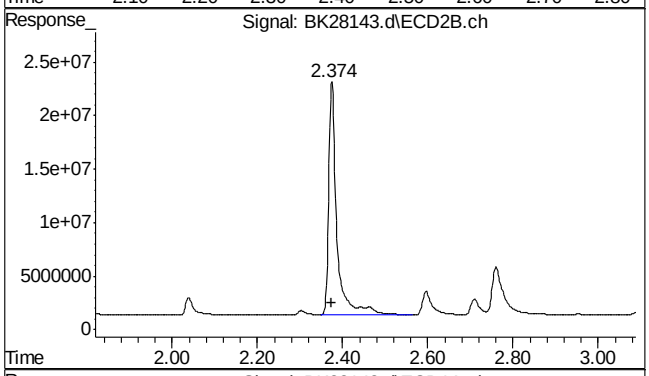


ACCUTEST LABORATORIES MC23456



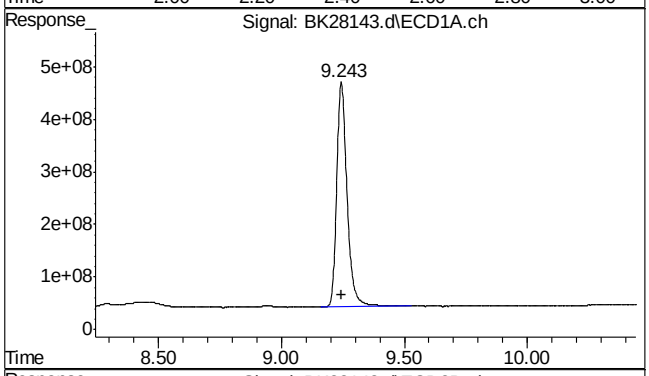
#1 TCMX

R.T.: 2.401 min
Delta R.T.: 0.000 min
Response: 11044297047
Conc: 42.13 ppb m



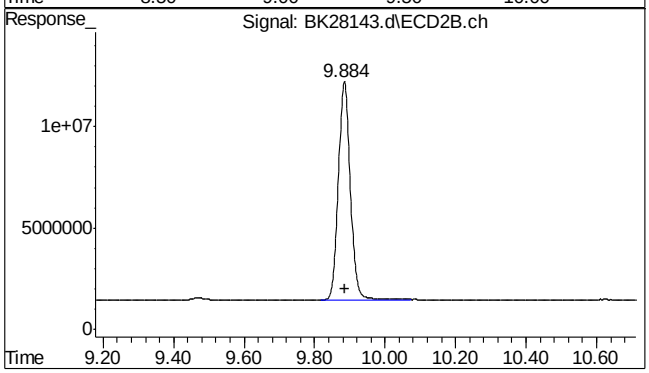
#1 TCMX

R.T.: 2.374 min
Delta R.T.: 0.000 min
Response: 290977093
Conc: 43.37 ppb m



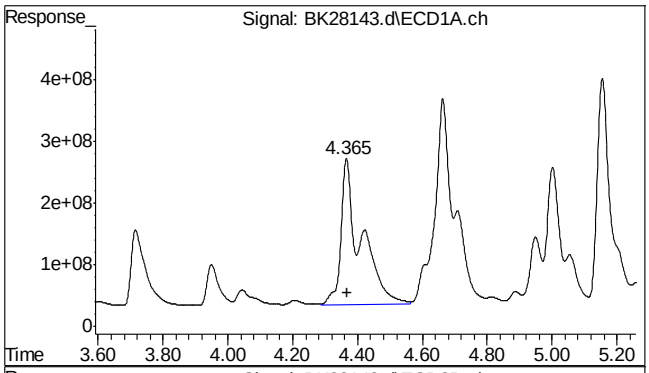
#13 DCB

R.T.: 9.243 min
Delta R.T.: -0.002 min
Response: 12478145620
Conc: 35.75 ppb m



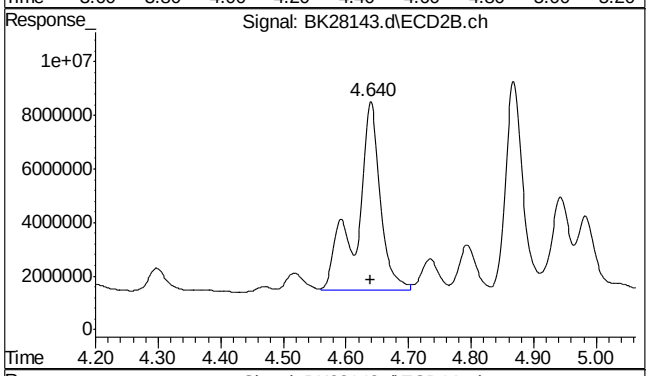
#13 DCB

R.T.: 9.884 min
Delta R.T.: 0.000 min
Response: 252938082
Conc: 37.59 ppb m



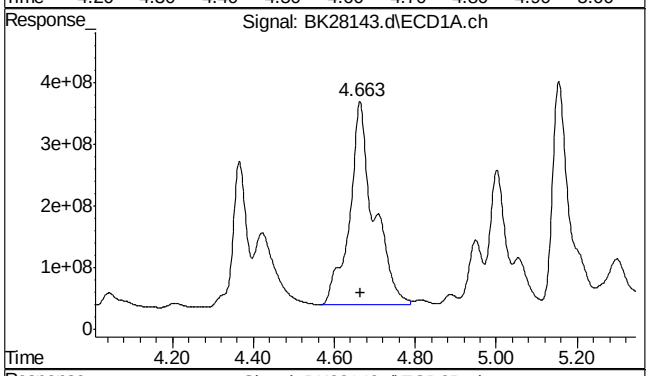
#32 AR1254-A

R.T.: 4.365 min
Delta R.T.: -0.001 min
Response: 9971402699
Conc: 533.88 ppb m



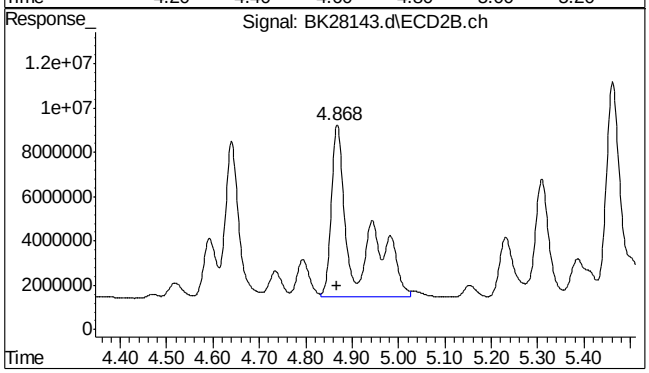
#32 AR1254-A

R.T.: 4.640 min
Delta R.T.: 0.000 min
Response: 187324324
Conc: 547.89 ppb m



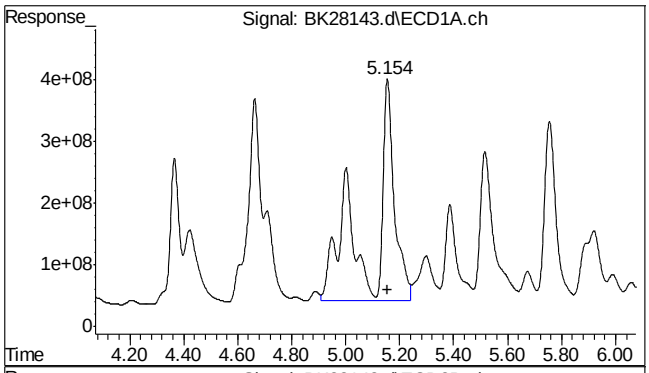
#33 AR1254-B

R.T.: 4.663 min
Delta R.T.: -0.001 min
Response: 13678095321
Conc: 533.47 ppb m



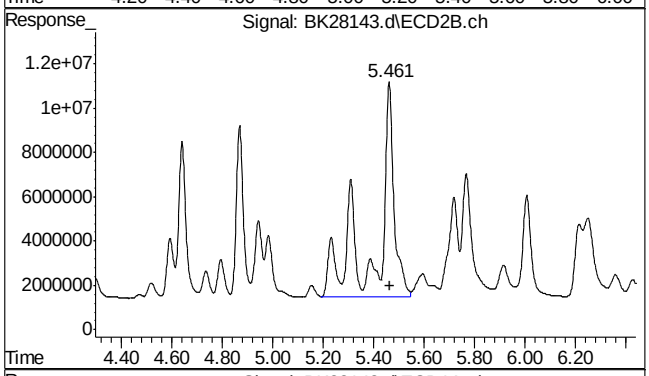
#33 AR1254-B

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 271077827
Conc: 527.57 ppb m



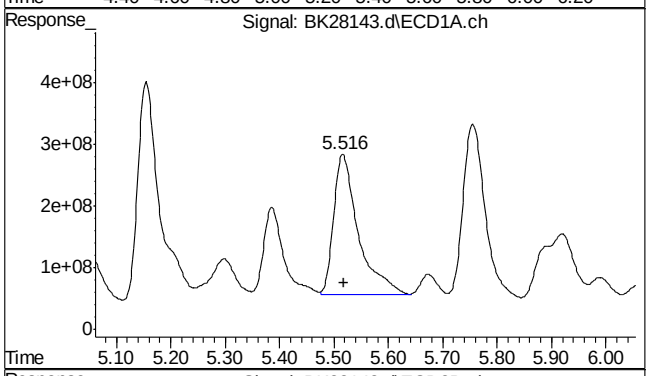
#34 AR1254-C

R.T.: 5.154 min
Delta R.T.: -0.002 min
Response: 19953861818
Conc: 543.23 ppb m



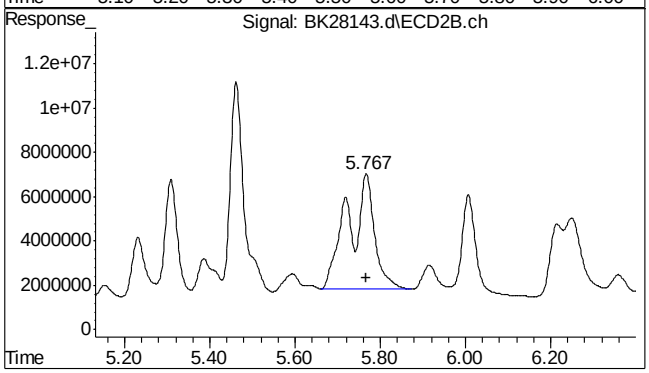
#34 AR1254-C

R.T.: 5.461 min
Delta R.T.: -0.001 min
Response: 445488735
Conc: 545.27 ppb m



#35 AR1254-D

R.T.: 5.516 min
Delta R.T.: -0.002 min
Response: 7134686960
Conc: 540.48 ppb m

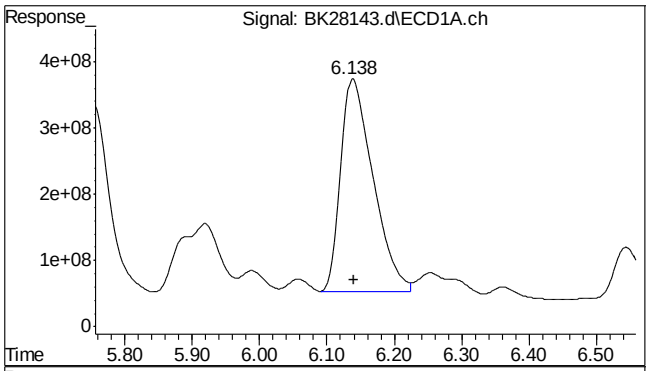


#35 AR1254-D

R.T.: 5.767 min
Delta R.T.: -0.001 min
Response: 225076992
Conc: 564.70 ppb m

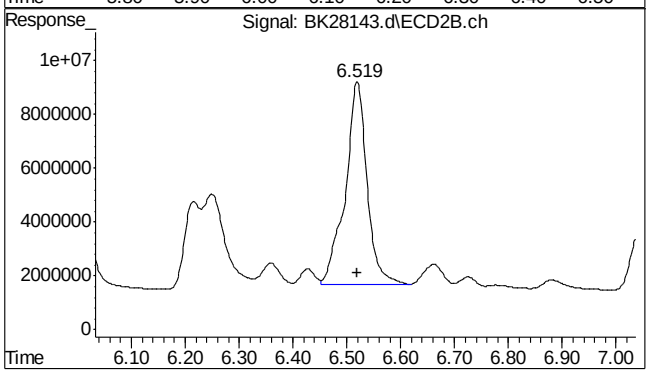
9.6.41

9



#36 AR1254-E

R.T.: 6.138 min
Delta R.T.: -0.002 min
Response: 10474297130
Conc: 546.50 ppb m



#36 AR1254-E

R.T.: 6.519 min
Delta R.T.: -0.001 min
Response: 210319653
Conc: 552.50 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Sona Liskova
08/20/13 16:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28154.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 7:27 pm
Operator : nickk
Sample : cc958-750,a16/60
Misc : op34382,gbk960,15,,,10,,s
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 15:25:11 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 20 14:22:45 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.401	2.374	14297.2E6	374.0E6	54.541m	55.741m
	Spiked Amount 40.000			Recovery	= 136.35%	139.35%	
13) s	DCB	9.244	9.885	19894.8E6	383.1E6	56.837m	57.103m
	Spiked Amount 40.000			Recovery	= 142.09%	142.76%	
	Target Compounds						
2)	AR1016-A	2.684	2.759	3154.7E6	81654870	760.608m	711.167m
3)	AR1016-B	2.982	3.104	7436.4E6	178.5E6	764.549	726.035
4)	AR1016-C	3.407	3.531	16407.5E6	355.2E6	767.845m	754.439m
5)	AR1016-D	3.538	3.665	10088.4E6	137.1E6	747.748m	740.828m
6)	AR1016-E	3.949	4.157	6664.2E6	168.0E6	771.780m	751.949m
7)	AR1260-A	5.385	5.720	11987.4E6	243.4E6	746.585	739.925m
8)	AR1260-B	5.752	6.006	24903.4E6	290.5E6	760.988m	731.480m
9)	AR1260-C	6.294	6.645	43573.9E6	744.9E6	758.774m	767.753m
10)	AR1260-D	7.103	7.464	35563.4E6	575.8E6	754.791	773.192m
11)	AR1260-E	7.525	8.027	32893.0E6	561.1E6	771.557m	763.438m
12)	AR1260-F	8.489	8.949	8980.9E6	158.3E6	795.150	753.508

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

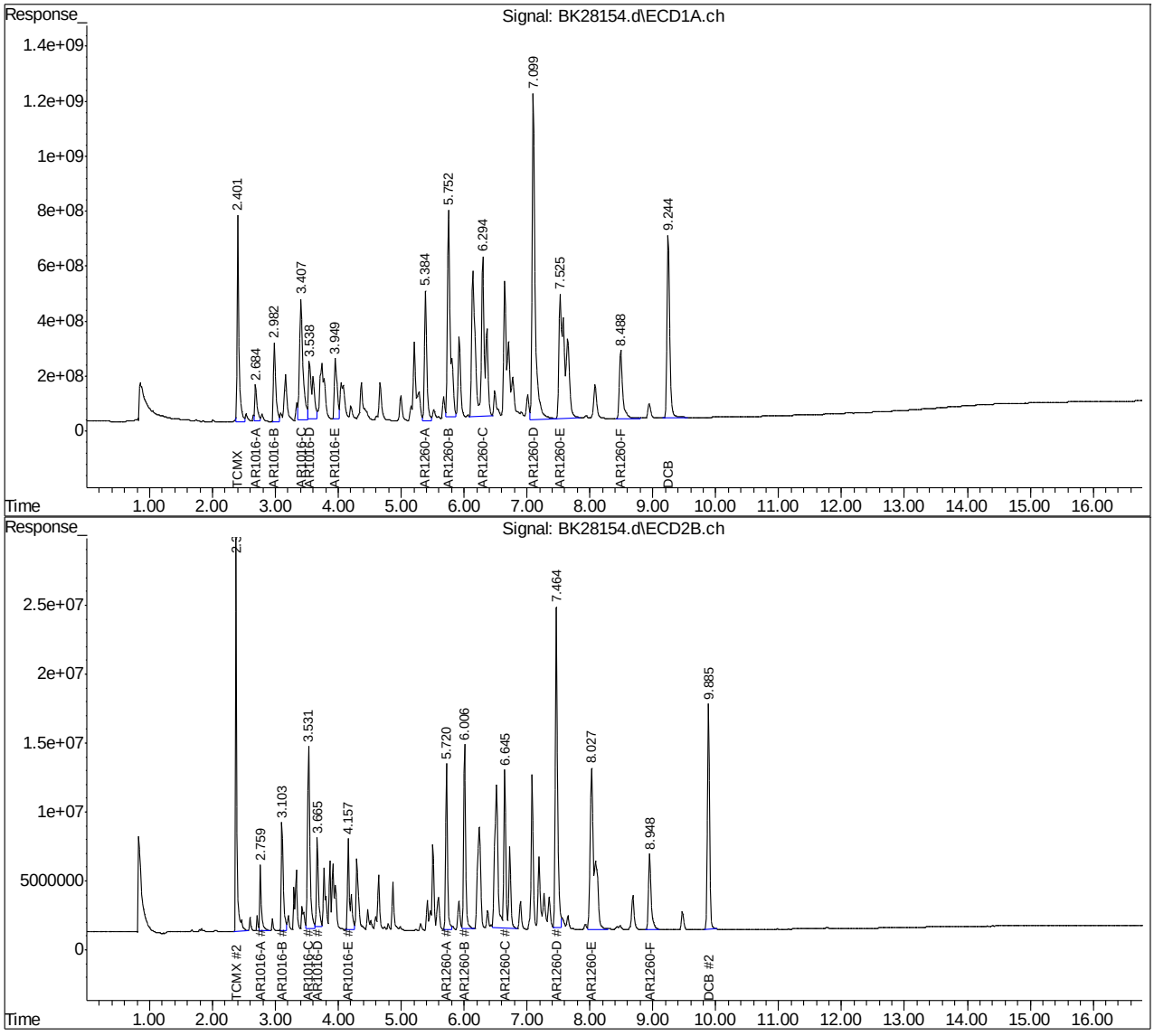
9.6.42
9

Quantitation Report (QT Reviewed)

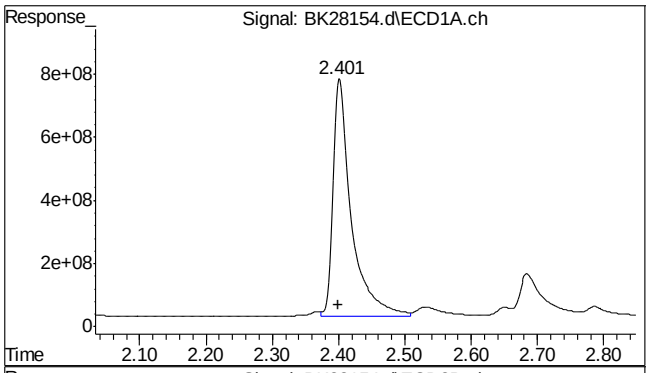
Data Path : C:\msdchem\1\DATA\BK130819\
Data File : BK28154.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2013 7:27 pm
Operator : nickk
Sample : cc958-750,a16/60
Misc : op34382,gbk960,15,,,10,,s
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 15:25:11 2013
Quant Method : C:\msdchem\1\METHODS\PC130819.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Aug 20 14:22:45 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

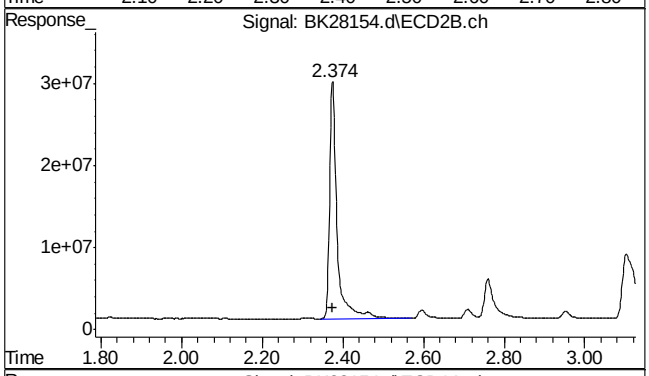


ACCUTEST LABORATORIES MC23456



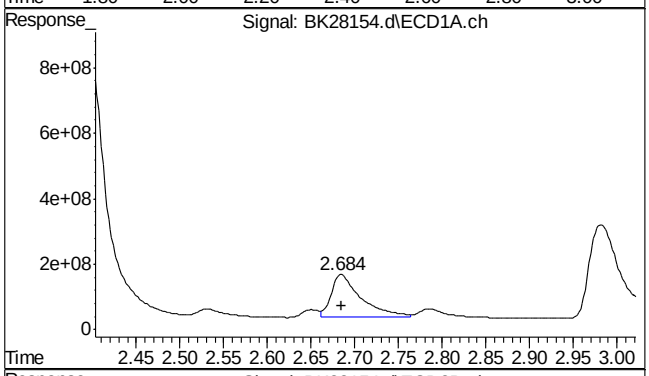
#1 TCMX

R.T.: 2.401 min
Delta R.T.: 0.000 min
Response: 14297243946
Conc: 54.54 ppb m



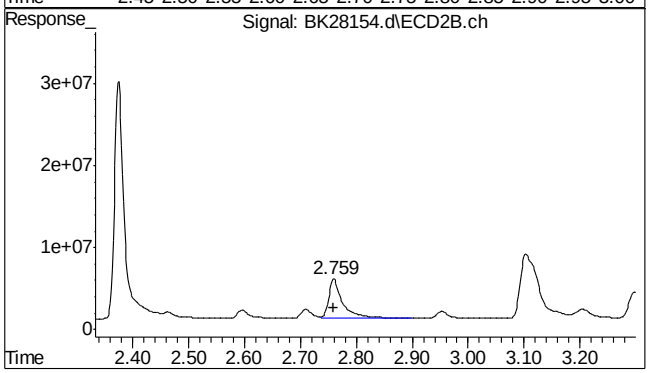
#1 TCMX

R.T.: 2.374 min
Delta R.T.: 0.000 min
Response: 373986157
Conc: 55.74 ppb m



#2 AR1016-A

R.T.: 2.684 min
Delta R.T.: 0.000 min
Response: 3154729185
Conc: 760.61 ppb m

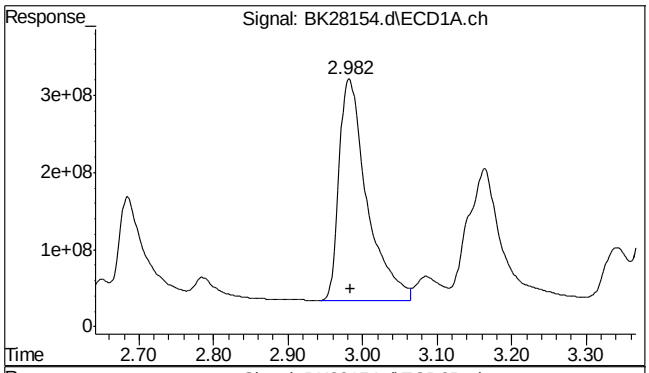


#2 AR1016-A

R.T.: 2.759 min
Delta R.T.: 0.000 min
Response: 81654870
Conc: 711.17 ppb m

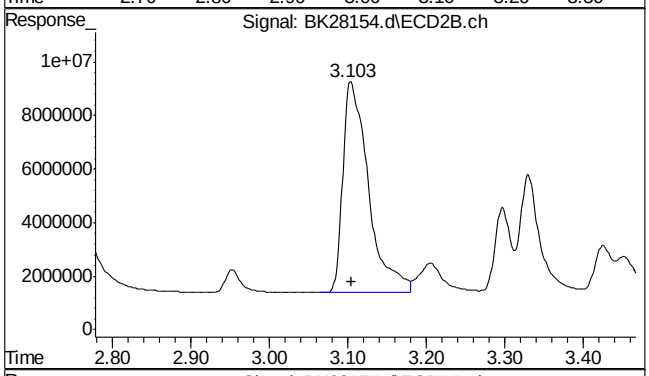
9.6.42

9



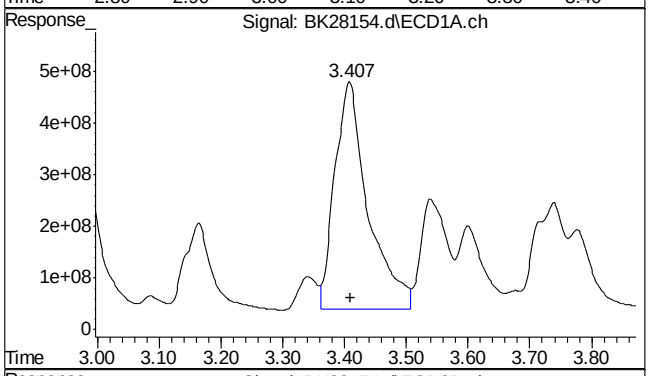
#3 AR1016-B

R.T.: 2.982 min
Delta R.T.: -0.001 min
Response: 7436393993
Conc: 764.55 ppb



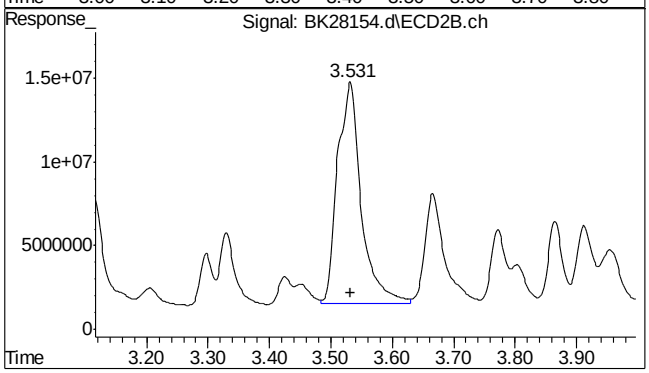
#3 AR1016-B

R.T.: 3.104 min
Delta R.T.: 0.000 min
Response: 178480564
Conc: 726.03 ppb



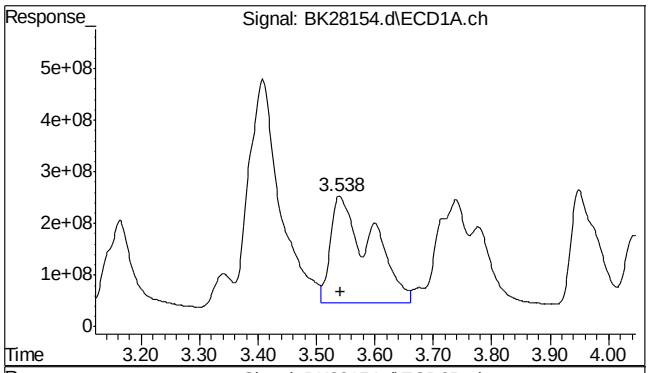
#4 AR1016-C

R.T.: 3.407 min
Delta R.T.: -0.003 min
Response: 16407546320
Conc: 767.85 ppb m



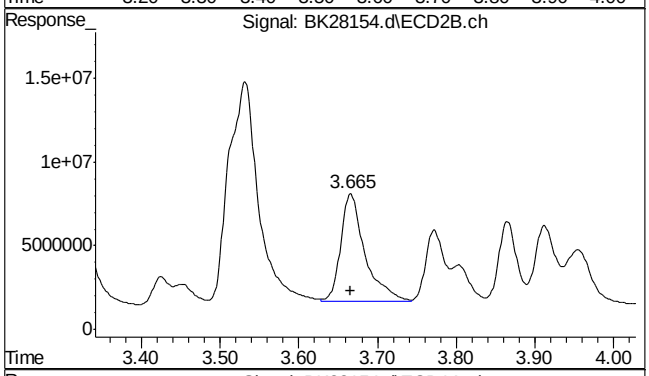
#4 AR1016-C

R.T.: 3.531 min
Delta R.T.: 0.000 min
Response: 355187461
Conc: 754.44 ppb m



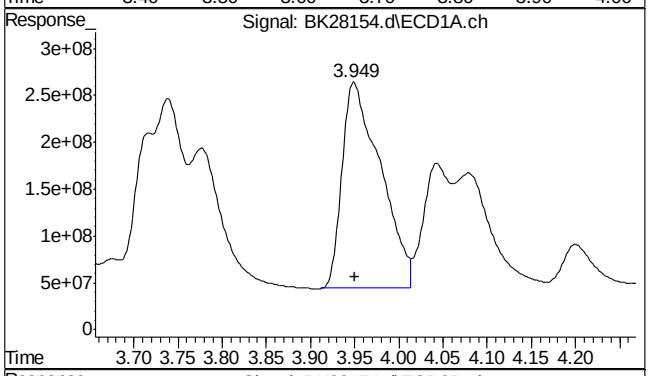
#5 AR1016-D

R.T.: 3.538 min
Delta R.T.: -0.002 min
Response: 10088421827
Conc: 747.75 m



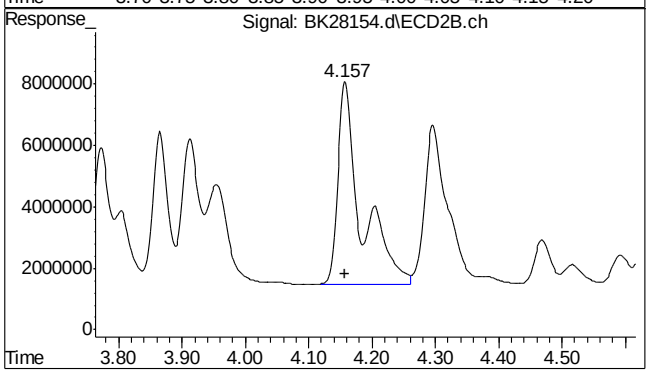
#5 AR1016-D

R.T.: 3.665 min
Delta R.T.: 0.000 min
Response: 137054394
Conc: 740.83 m



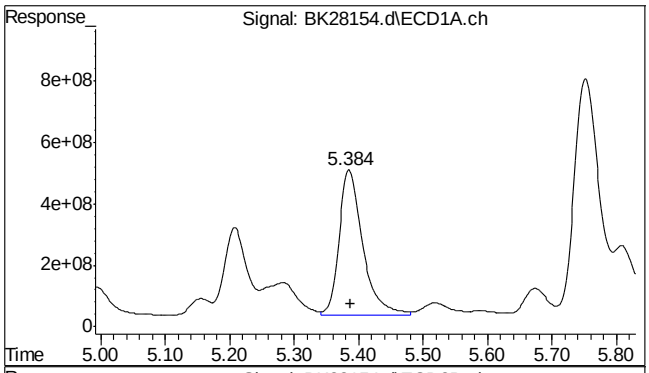
#6 AR1016-E

R.T.: 3.949 min
Delta R.T.: -0.001 min
Response: 6664208160
Conc: 771.78 m



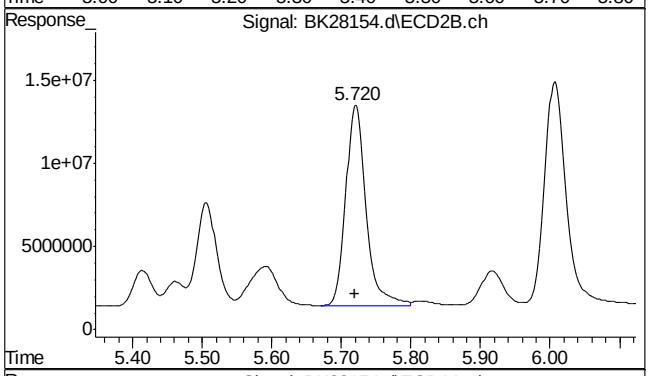
#6 AR1016-E

R.T.: 4.157 min
Delta R.T.: 0.000 min
Response: 167985974
Conc: 751.95 m



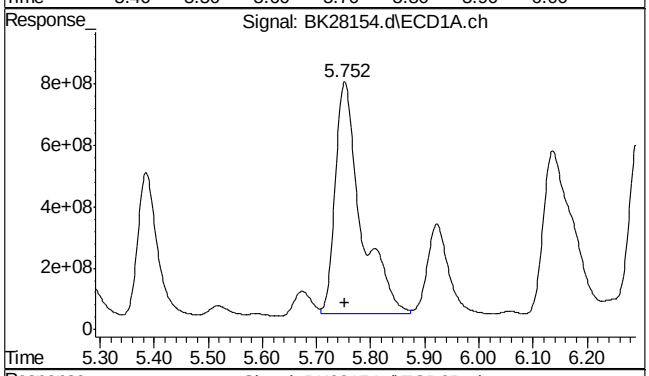
#7 AR1260-A

R.T.: 5.385 min
Delta R.T.: -0.002 min
Response: 11987385577
Conc: 746.58 ppb



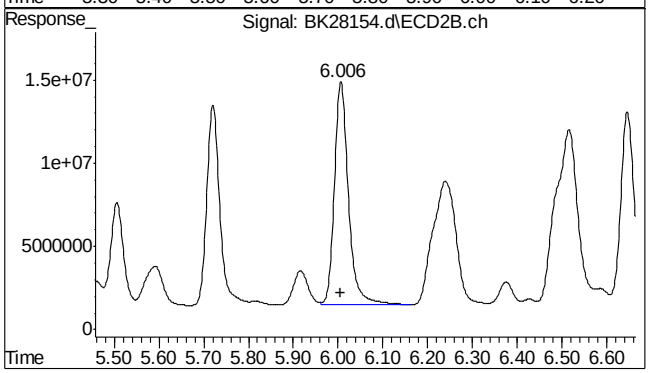
#7 AR1260-A

R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 243384635
Conc: 739.93 ppb m



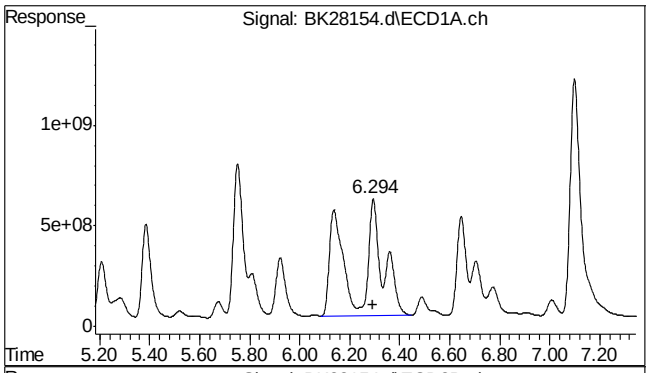
#8 AR1260-B

R.T.: 5.752 min
Delta R.T.: -0.001 min
Response: 24903355950
Conc: 760.99 ppb m



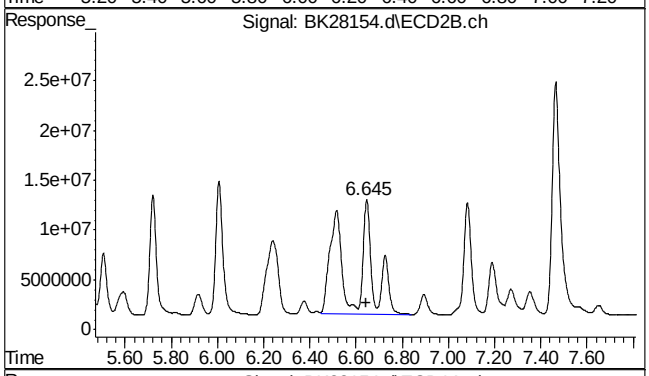
#8 AR1260-B

R.T.: 6.006 min
Delta R.T.: 0.000 min
Response: 290469699
Conc: 731.48 ppb m



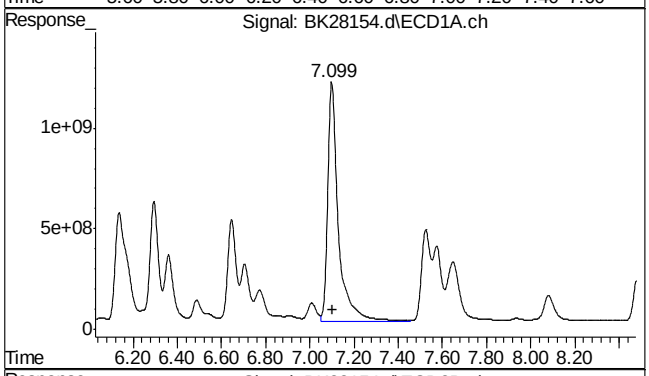
#9 AR1260-C

R.T.: 6.294 min
Delta R.T.: 0.000 min
Response: 43573928080
Conc: 758.77 ppb m



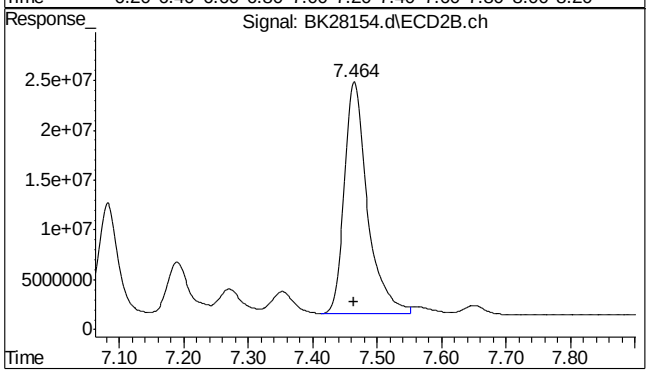
#9 AR1260-C

R.T.: 6.645 min
Delta R.T.: -0.001 min
Response: 744886153
Conc: 767.75 ppb m



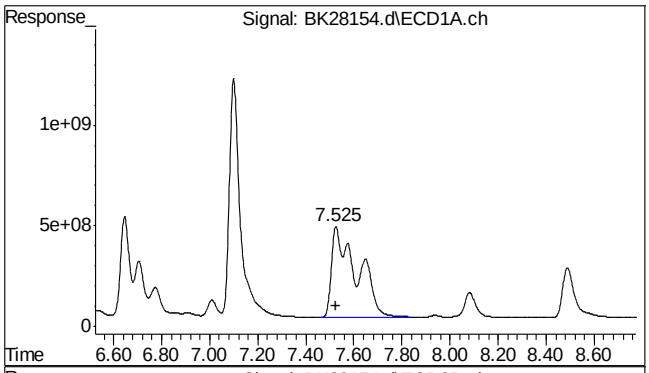
#10 AR1260-D

R.T.: 7.103 min
Delta R.T.: 0.001 min
Response: 35563383802
Conc: 754.79 ppb



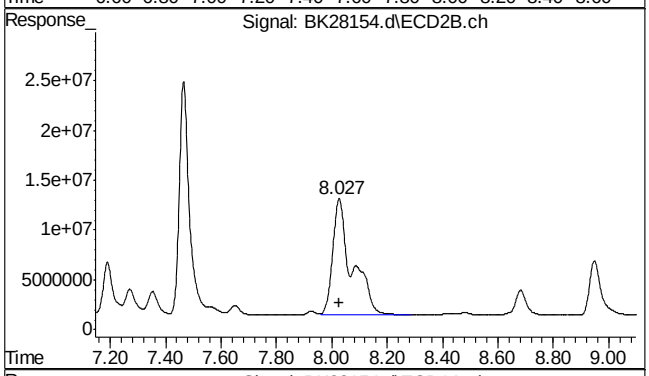
#10 AR1260-D

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 575831031
Conc: 773.19 ppb m



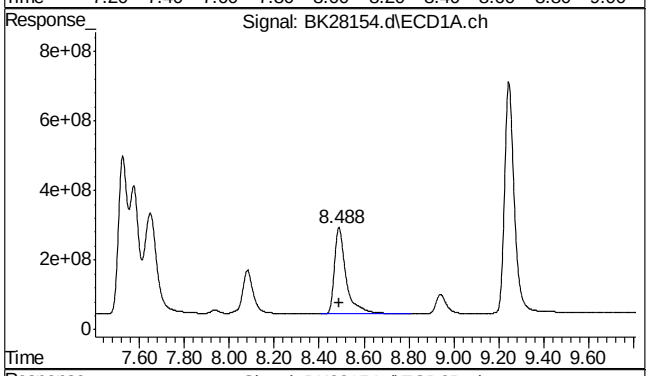
#11 AR1260-E

R.T.: 7.525 min
Delta R.T.: -0.002 min
Response: 32892959481
Conc: 771.56 ppb m



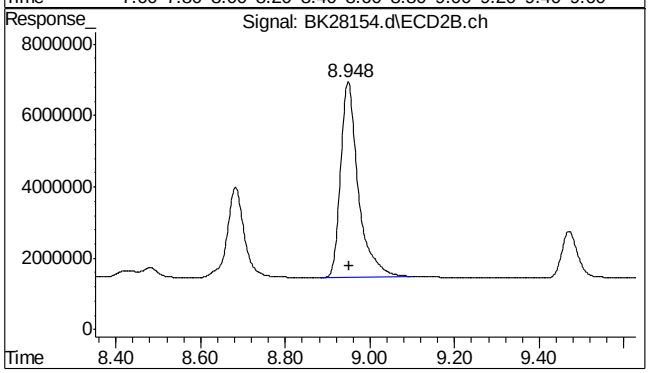
#11 AR1260-E

R.T.: 8.027 min
Delta R.T.: 0.000 min
Response: 561122073
Conc: 763.44 ppb m



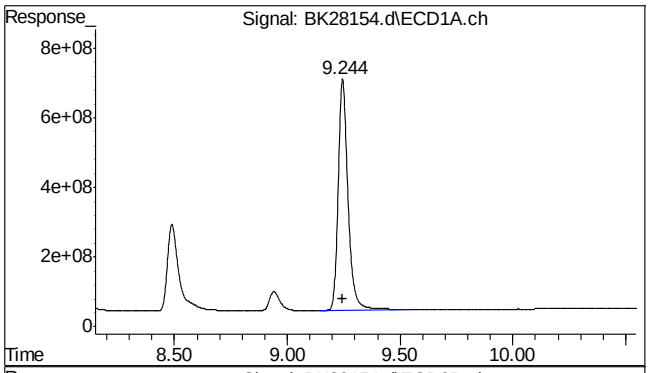
#12 AR1260-F

R.T.: 8.489 min
Delta R.T.: 0.000 min
Response: 8980914176
Conc: 795.15



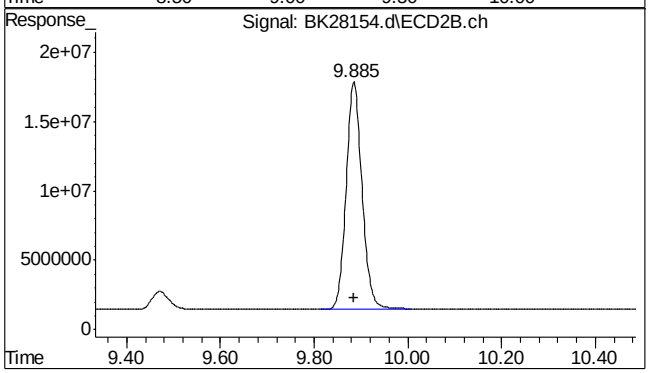
#12 AR1260-F

R.T.: 8.949 min
Delta R.T.: -0.002 min
Response: 158342936
Conc: 753.51



#13 DCB

R.T.: 9.244 min
Delta R.T.: 0.000 min
Response: 19894809278
Conc: 56.84 ppb m



#13 DCB

R.T.: 9.885 min
Delta R.T.: 0.000 min
Response: 383085954
Conc: 57.10 ppb m

Accutest Laboratories of New England, Inc.

Instrument: GC 26 (BE)

GC Analysis Log - Extractables

Run Date: 7/8/13

Analyst Signature: AV

Standard Data

Lot #	Description	Conc
GS16968	ddt	100/200 ng/L
GS16934	Pest cmk	100 ↓

Column Information: Front : RTX-5 Alternate:

Rear : RTX-5 Alternate:

Sequence File: 130708A.S

Quantitation Methods: PT130708

Instrument Run Batches: GBE 1943

Data Acquisition Methods: GC26PES1 Inj. Vol: 1 µL

Inj. Vol:

Date of ICAL: 7/8/13 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext. Batch	Analysis	Matrix	Dilution	Comments
90	BE37408	ddt	N/A	8081Pest	N/A	N/A	after maintenance prime.
90	09	↓					GS16968
76	10	ic 1943-1000					GS17084 ~~cf~~ ct
77	11	-500					85 AV. ct
78	12	-500					GS16932; 93 17004 4/16/60
79	13	-500					33 Pest
80	14	-250					34
81	15	icc1943-100					35
82	16	ic1943-50					
83	17	-10					36
84	18	-5					37
85	19	icv1943-100					GS17052 icv ok
30	20	jb41083-13A	↓		↓		
1	21	op33919-mb	op33919		W		
2	22	-bs				↓	pcb
3	23	-bs1				1:10	Pest
4	24	-ms				↓	↓
5	25	-msd				↓	
6	26	-tap				N/A	
7	27	mc22436-1	↓		↓		
9	28	op33922-mb	op33922		S		
10	29	↓ -bs	↓		↓		
100	30	cc1943-100	N/A		N/A		GS16934 Pest ok
90	31	ddt	↓		↓		↓ 68 ok
11	32	jb41083-10A	op33922		S		
12	33	op33896-mb	op33896		W		
13	↓ 34	↓ -bs	↓	↓	↓	↓	

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.

Dilution Solvent: J.T. Baker Lot#: 40739

GC011-01
Date: 02/26/07

Review:

ACCUTEST LABORATORIES MC23456

Accutest Laboratories of New England, Inc.

Instrument: GC 26 (BE)

Page 2/2

GC Analysis Log - Extractables

Run Date: 7/8/13

Analyst Signature: JAP

Standard Data

Lot #	Description	Conc
	See Previous Page	

Column Information: Front : RTX-5 Alternate:

Rear : RTX-5 Alternate:

Sequence File: See Previous Page

Quantitation Methods:

Instrument Run Batches:

Data Acquisition Methods:

Inj. Vol:

Inj. Vol:

Date of ICAL: 7/8/13 ICAL Verified ____ Sample positions verified against sequence: ____

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
14	BE37435	op33896-ms	op33896	8081Pest	W	N/A	
15	36	↓ -msd	↓				
16	37	mc22181-1A	↓				
17	38	op33911-mb	op33911				
18	39	-bs					
19	40	-ms					
20	41	↓ -msd	↓		↓		
99	42	cc1943-100	N/A		N/A		pest ok ok
90	43	ddt	↓		↓		
21	44	mc22252-1	op33911		W	↓	ddd/dde/ddt sig 2
8	45	608 spike	p06655		N/A	1:500	ext spike (608) test run
22	46	op33922-ms	op33922		S	N/A	ddd/dde/ddt sig 2
23	47	↓ -msd					
24	48	mc22449-1					
25	49	-2					
26	50	-3					
27	51	-4					
28	52	-5					
29	53	-6	↓		↓		
99	54	cc1943-100	N/A	↓	N/A	↓	pest ddt sig 1 low sig 2 ok
130	55	mc18020-11	Hex	test run (ext.)			

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: J.T. Baker Lot#: 10439

GC011-01
Date: 02/26/07

Review: ____

ACCUTEST LABORATORIES MC23456

Accutest Laboratories of New England, Inc. Instrument: GC 26 (BE)

GC Analysis Log - Extractables

Run Date: 8.16.13 Analyst Signature: NK

Standard Data

Lot #	Description	Conc
6516968	DDT	100ng/L
6516934	Pest	100ng/L

NK 8.20.13

Column Information: Front : RTX-5 Alternate:
Rear : RTX-5 Alternate:
Sequence File: 130816A
Quantitation Methods: PT130816
Instrument Run Batches: GBE1962
Data Acquisition Methods: GC26Pest1 Inj. Vol: 1ul
Inj. Vol:

Date of ICAL: 7.9.13 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
100	BE37695	DDT	OP34379	PSOS1	S	NA	DDT OK
96	96	CC1943-100					Pest OK(Sig 1)
11	97	OP34379-MB					Rerun for confirm
12	98	-BS					
13	99	-MS					
14	BE37700	-MSD					
15	01	MC23456.5					A1254 pattern
96	02	FCC1943-100	✓	✓	✓	✓	Pest 100

NK 8.20.13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC011-01
Date: 02/26/07

Review:

Accutest Laboratories of New England, Inc. Instrument: GC 26 (BE)

GC Analysis Log - Extractables

Run Date: 8.19.13 Analyst Signature: NK pg 1 of 2

Standard Data

Lot #	Description	Conc
6516968	DDT	100/200 ng/L
6516934	Pest	100 ng/L

NK 8.20.13

Column Information: Front : RTX-5 Alternate:
Rear : RTX-5 Alternate:
Sequence File: 130819
Quantitation Methods: PT130819
Instrument Run Batches: GBE1963
Data Acquisition Methods: GC26Pes1 Inj. Vol: 1-1
Inj. Vol:

Date of ICAL: 7.9.13 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
100	BE37703	DDT	OP34457	P8051	S	NA	DDT OK
96	04	CLP43-100					Pest OK
20	05	OP34457-MB					
21	06	-BS					
22	07	-MS					
23	08	-MSD					
24	09	MC23550-1					
25	10	-2					
26	11	OP34440-MB	OP34440		W		
27	12	-BS					
28	13	-MS					
29	14	-MSD					
96	15	CLP43-100					Pest OK (Sig 1)
100	16	DDT					DDT OK
30	17	MC23468-1					
31	18	JB44687-9A					
32	19	-13A					
33	20	-18A					
34	21	-23A					
35	22	-29A					
36	23	-32A					
37	24	-37A					
38	25	-39A					
39	26	JB44690-1A					
96	27	CLP43-100					Pest OK
100	28	DDT					DDT OK
40	29	JB44690-2A					

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC011-01
Date: 02/26/07

Review:

Accutest Laboratories of New England, Inc. Instrument: GC 26 (BE)

GC Analysis Log - Extractables

Run Date: 8.19.13 Analyst Signature: NK pg 2 of 2

Standard Data

Lot #	Description	Conc
	SEE PAGE 1	

Column Information: ~~Front~~ : ~~RTX-5~~ Alternate:
Rear : RTX-5 Alternate:
Sequence File:
Quantitation Methods:
Instrument Run Batches:
Data Acquisition Methods: SEE PAGE 1 Inj. Vol:
Inj. Vol:

Date of ICAL: ICAL Verified Sample positions verified against sequence:

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
41	BE37730	JB44690-10A	OP34440	PSOS1	W	NA	
42	31	-11A					
43	32	-19A					
44	33	-30A					
45	34	-21A					
46	35	-23A					
47	36	MC23489-1					
48	37	MC23495-1A					
96	38	CC1943-100					Pest OK (Sig 1)
100	39	DDT					DDT OK
49	40	OP34440-MS1					
50	41	-MSD1					
96	42	CC1943-100					Pest High, Samples ND
100	43	DDT					DDT OK
11	44	OP34379-MB	OP34379		S		Do not report
12	45	-BS					
13	46	-MS					
14	47	-MSD					
15	48	MC23456-5					
96	49	CC1943-100					Pest low, resid matrix

NK 8.20.13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC011-01
Date: 02/26/07

Review:

ACCUTEST LABORATORIES MC23456

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 8·13·13 Analyst Signature: NS pg 1 of 3

Standard Data

Lot #	Description	Conc
GS17003	A16/60	750 µg/L

NS 8.14.13

Column Information: Front : RTX-5 Alternate:
Rear : RTX-5 Alternate:
Sequence File: 130813
Quantitation Methods: PC130813
Instrument Run Batches: GBK949
Data Acquisition Methods: GC31PCB Inj. Vol: 1 µl
Inj. Vol:

Date of ICAL: 8.13.13 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
51	BK27821	ICV949-1000	NA	P8082	NA	NA	A16/60 GS17002
52	22	-750					03
53	23	-500					04
54	24	-250					05
55	25	-100					06
56	26	-50					✓ 07
57	27	-500					A21/54 GS16980
58	28	-500					A32/60 81
59	29	-500					A42/68 39
60	30	✓ -500					A48 ✓ 40
61	31	ICV949-500					A16/60 GS17009 ICV OK
X57	32	CCV949-500			✓		A21/54 GS16980 OK(TG)
21	33	OP34357-MB	OP34357		S		
22	34	-BS					
23	35	-BSD					
24	36	-MS					
25	37	✓ -MSD					
26	38	MC23131-30					Rerun 1:100
7	39	OP34351-MS,					
8	41	✓ -MSD,					
9	41	MC23131-					Rerun 1:100
10	42	✓ -					✓ 1:5
100	43	CC949-750					A16/60 OK
11	44	MC23131-35					RE
12	45	-36					Rerun 1:5
13	46	-35					1:20
14	✓ 47	✓ -39	✓	✓	✓	✓	✓ 1:100

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC014-01
Date: 9/15/10

Review:

ACCUTEST LABORATORIES MC23456

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 8.13.14 13 Analyst Signature: BK pg 2 of 3

Standard Data

~~Lot #~~	~~Description~~	~~Conc~~
	SEE PAGE 1	

Column Information: ~~Front : RTX-5 Alternate:~~
Rear : RTX-5 Alternate:
Sequence File:
Quantitation Methods:
Instrument Run Batches:
Data Acquisition Methods: SEE PAGE 1 Inj. Vol:
~~Inj. Vol:~~

Date of ICAL: ICAL Verified Sample positions verified against sequence:

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
15	BK27848	MC23131-40	OP34351	PS082	S	NA	Rerun 1:100
16	49	-41					1:100
17	50	-42					1:5
18	51	-43					1:5
19	52	-44					1:20
20	53	-45					1:10
100	54	CC949-75D					A16/60 OK
21	55	MC23131-46					Rerun 1:50
22	56	-48					1:20
23	57	-50					1:100
24	58	-51					1:200
25	59	-53					1:10
26	60	-30				1:100	
27	61	-					
28	62	-				1:5	
29	63	-36					
30	64	-38				1:20	
99	65	CC949-75D				NA	A16/60
31	66	MC23131-39				1:100	
32	67	-40					
33	68	-41					
101	69	OP34278-MB	OP34278			NA	
102	70	-BS					
103	71	-MS					
104	72	-MSD					
110	73	MC23218-2					
111	74	-3					

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: ~~MeOH~~ Hexane Lot#: HC13G1

GC014-01
Date: 9/15/10

Review:

ACCUTEST LABORATORIES MC23456

Accutest Laboratories of New England, Inc.

Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 8.13.13

Analyst Signature: NS pg 3 of 3

Standard Data

~~Lot #~~	~~Description~~	~~Conc~~

Column Information: ~~Front :~~ ~~RTX-5~~ ~~Alternate:~~

Rear : RTX-5 Alternate:

Sequence File:

Quantitation Methods:

Instrument Run Batches:

Data Acquisition Methods:

Inj. Vol:

~~Inj. Vol:~~

Date of ICAL: ICAL Verified Sample positions verified against sequence:

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
112	BK27875	MC23218-4	OP34278	P8082	S	NA	
99	76	CCG49-752					A16/60 OK
105	77	MC23219-1					
106	78	" -2					
107	79	MC23133-1					
108	80	MC23134-1					
109	81	MC23135-1					
113	82	MC23218-5					
114	83	" -6					
115	84	" -7					
117	85	" -9					
119	86	" -11					
98	87	CCG49-752					A16/60 OK
116	88	MC23218-8					Rerun 1:2
118	89	" -10					
120	90	" -12					
121	91	" -13					
122	92	" -14					
98	93	CCG49-752					A16/60 OK

8.14.13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC014-01
Date: 9/15/10

Review:

ACCUTEST LABORATORIES MC23456

Accutest Laboratories of New England, Inc.

Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 8·16·13

Analyst Signature: NK Pg 105-2

Standard Data

Lot #	Description	Conc
LS170E3	A116/160	750 ng/L

NK 8.16.13

Column Information: Front : RTX-5 Alternate:

Rear : RTX-5 Alternate:

Sequence File: 130816

Quantitation Methods: PC130816

Instrument Run Batches: GBK956

Data Acquisition Methods: GC31RB Inj. Vol: 1µl

Inj. Vol:

Date of ICAL: 8·13·13 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
99	BK280606A	CC949-750	OP34392	P8082	S	NA	A116/160 shared OK
31	67	OP34392-MB					
32	68	-BS					
33	69	-MS					
34	70	-MSD					
35	71	~~MC23121-11R~~					MC23491-3
36	72	MC23491-4					
37	73	-5					
38	74	-6					
39	75	-7					
40	76	-15					Rerun on 54
98	77	CC949-750					A116/160 OK (Sig 1) (TG)
41	78	MC23492-3					
42	79	MC23121-11R					Rerun 1:10
43	80	MC23210-6R	✓		✓		
44	81	OP34332-MB	OP34332				
45	82	-BS					
46	83	-MS					
47	84	-MSD					
48	85	MC23200-11					
49	86	JB43920-82					
50	87	-83					
98	88	CC949-750	✓				A116/160 OK (Sig 1) (TG)
51	89	OP34434-MB	OP34434				
52	90	-BS					
53	91	-MS					
54	92	-MSD	✓	✓	✓	✓	

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: _____ Lot#: _____

GC014-01
Date: 9/15/10

Review: _____

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 8.16.13 Analyst Signature: NK PS 2of2

Standard Data

~~Lot #~~	~~Description~~	~~Conc~~

SEE PAGE 1

Column Information: ~~Front : RTX-5 Alternate:~~
Rear : RTX-5 Alternate:
Sequence File:
Quantitation Methods:
Instrument Run Batches:
Data Acquisition Methods: Inj. Vol:
~~Inj. Vol:~~

SEE PAGE 1

Date of ICAL: ICAL Verified Sample positions verified against sequence:

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
55	BK28093		OP34434	D8082	W	NA	
56	94	MC23480-2	✓		✓		Reran for confirmation
57	95	OP34373-MB	OP34373		S		
58	96	-BS					
59	97	-MS					
60	98	✓ -MSD					
97	✓ 99	CLG49-750					Alk/160 Clk(Sig 1)(TS)
61	BK28 100	MC23456-5					Reran 1:100
62	01	MC23451-1					
97	✓ 02	CLG49-750	✓	✓	✓	✓	Alk/160 Clk(Sig 1)(TS)

MS 8-19-13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC014-01
Date: 9/15/10

Review:

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Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 8.19.13 Analyst Signature: NK

Standard Data

Lot #	Description	Conc

NK 8.20.13

Column Information: Front : RTX-5 Alternate:
Rear : RTX-5 Alternate:
Sequence File: 130819
Quantitation Methods: PC130819
Instrument Run Batches: GBK958
Data Acquisition Methods: LC31PCB Inj. Vol: 1 ul
Inj. Vol:

Date of ICAL: 8.19.13 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
100	BK28126	CCG49-750	NA	P8082	NA	NA	A16/60 low recovie
91	27	-500					A01/54
101	28	ICV958-1000					A16/60 GS17002
102	29	-750					03
103	30	-500					04
104	31	-250					05
105	32	-100					06
106	33	-50					07
107	34	-500					A21/54 GS16988
108	35	-500					A32/62 81
109	36	-500					A12/68 39
110	37	-500					A48 40
111	38	ICV958-500					A16/60 GS17009 ICV OK

NK 8.20.13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC014-01
Date: 9/15/10

Review:

ACCUTEST LABORATORIES MC23456

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 8.19.13 Analyst Signature: NK pg 1 of 3

Standard Data

Lot #	Description	Conc
GS17003	A16/60	750 µg/L
GSL980	A21/54	500 µg/L

NK 8.20.13

Column Information: Front : RTX-5 Alternate:
Rear : RTX-5 Alternate:
Sequence File: 130819
Quantitation Methods: PC130819
Instrument Run Batches: GBK960
Data Acquisition Methods: GC31PCB Inj. Vol: 1 µl
Inj. Vol:

Date of ICAL: 8.19.13 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
102	BK28142	CC958-750	OP34392	P8082	S	NA	A16/60 OK
91	43	-500					A21/54 OK(TG)
1	44	MC23121-11R				1:10	
2	45	MC23456 5	OP34373			1:100	
3	46	MC23442-74	OP34382			1:20	
4	47	-75					
5	48	-76				1:5	
6	49	-78					
7	50	-79				1:100	
8	51	-53A				1:5	
9	52	-73					
10	53	MC23442-29	OP34377				
100	54	CC958-750				NA	AK/60 OK
11	55	MC23480-2	OP34434		W		CF
12	56	OP34425-MB	OP34425		S		
13	57	-BS					
14	58	-BSD					
15	59	MC23520-1					
16	60	-2					
17	61	-3					
18	62	-4					
19	63	-5					
20	64	-6					
100	65	CC958-750					AK/60 OK
21	66	MC23520-7					
22	67	8					
23	68	-9					

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: JTBaker Hex Lot#: 43501

GC014-01
Date: 9/15/10

Review:

GC Analysis Log - Extractables

Run Date: 8.19.13 **Analyst Signature:** NK pg 2 of 3

Standard Data

Lot #	Description	Conc
	SEE PAGE 1	

Column Information: ~~Front :~~ RTX-5 ~~Alternate:~~
Rear : RTX-5 Alternate:
Sequence File:
Quantitation Methods:
Instrument Run Batches:
Data Acquisition Methods: SEE PAGE 1 Inj. Vol: ~~Inj. Vol:~~

Date of ICAL: ICAL Verified Sample positions verified against sequence:

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
24	BK28169	MC23520-10	OP34425	PSC82	S	NA	
25	70	-11					
26	71	-12					
27	72	-13					
28	73	-14					
29	74	-15					
30	75	-16					
99	76	CL958-75C					A1&L60 OK
31	77	MC23520-17					
32	78	-18					
33	79	-19					
34	80	-20					
35	81	OP34419-MB	OP34419				
36	82	-BS					
37	83	-MS					
38	84	-MSD					
39	85	JB44552-7					
40	86	-13					
99	87	CL958-75C					A1&L60 OK
41	88	JB44552-1A					
42	89	-2					
43	90	-4					
44	91	-5					
45	92	-8					
46	93	-10					
47	94	-11					
48	95	-12					

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC014-01
Date: 9/15/10

Review:

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 8.19.13 **Analyst Signature:** NK pg 3 of 3

Standard Data

Lot #	Description	Conc
	SEE PAGE 1	

Column Information: ~~Front~~ : RTX-5 Alternate:
Rear : RTX-5 Alternate:
Sequence File:
Quantitation Methods:
Instrument Run Batches: See PAGE 1
Data Acquisition Methods: Inj. Vol:
Inj. Vol:

Date of ICAL: ICAL Verified Sample positions verified against sequence:

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
49	BK28196	JB44552-14	OP34419	P8082	S	NA	
50	97	-15					
98	98	CC958-750					A16/60 OK(TG)
51	99	JB44552-39					
98	BK28200	FC958-751					A16/60 OK

NK 8.20.13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC014-01
Date: 9/15/10

Review:

11

9.7.7

9

ACCUTEST LABORATORIES

Approximate Gram weight equals +/- 0.5g

Extracted by: NE
Spike Witness:
Concentrated by: MW
Fractionated by:

Date/Time: 8/12/2013 15:30
Date/Time:
Batch: OP34373 (PCB) OP34379 (P
Matrix: **Soil/Solid**; Sand Lot: P803248 840
Analysis Method: P8082 REP/P8081PE

Extraction Method: ASE #1 SW 3545A | ASE #2 SW 3545A | ASE #3 SW3545A | ASE # 4 SW3545A | Sonicate SW3550B | Soxhlet: SW 3540C
Waste Dilution: SW3580 | Micro. | SW 3546

	Sample	Bottle No.	ASE Position	Initial Weight (g)	Final Volume (ml)	**Cleanup/Comments (3660B, 3630, 3665, other)	Received by: Date:
1	OP34373 MB	n/a	n/a	15.65	10mL	shares w/op 34379	CZ 8/16/13
2	BS	↓	↓	15.50		PCB	
3	mc23451-1	3	↓	15.48		PCB	
4	mc23451-1MS	1		15.29		pest	
5	↓ MSD	↓		15.21		↓	
6	mc23486-5			20.68		PCB/PEST	
7	OP34379 BSi	n/a		15.53		Pest	
8	mc2345-1MS	3		15.29		PCB	
9	↓ MSD	↓	↓	15.62	↓	↓	↓
10							
11							
12							
13							
14							
15							
16						MW 8/16/13	
17							
18							
19							
20							
21							
22							
23							
24							
25							

Fraction	Bottle #	Lot #	Concentration	Volume
Surrogate: PCB	2	P016941	4.0 ug/ml	100 ml
Surrogate:				
Spike: PCB	1	P016946	40.0 ug/ml	100 ml
Spike: pest		P016898	2.0 ug/ml	100 ml
Spike:				
Spike:				
Spike:				
Hexane Frac. Volume:	NA	NA	NA	
Soxhlet Start/Stop Date/Time:		Filter Paper Lot #	F0005823	

H2SO4 Lot #:
Ether: 000004525
MeCl2: DI 925
Hexane: 000004501
MeCl2/Acetone:
Acetone: 132412
Acetonitrile:
Na Sulfate Lot #: B-775
Silica Lot #:
SPE MFG/Lot #:
Copper: 147072E
Hydromatrix:
Florisil: 213-41
Sand Lot #:

Balance ID: ACC-8
Water Bath Temp: 40°C
Water Bath ID:
Laboratory Percent Humidity:

*Note volume of extract: N = Normal, L = Low

Reviewed by:

Tray #: LC-11

** Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup; 3620 = Florisil
**For Soxhlet extraction document date/time started and finished

OP001-16 (10/23/12)
27

9.8.1 9

ACCUTEST LABORATORIES

Approximate Gram weight equals +/- 0.5g

Extracted by: NE
Spike Witness:
Concentrated by: MK
Fractionated by:

Date/Time: 8/12/2013 15:30
Date/Time:
Batch: OP34373 (PCB) OP34379 (PEST)
Matrix: **Soil/Solid**; Sand Lot: P8032PC&AD
Analysis Method: 8082A REP/8081A PEST

Extraction Method: ASE #1 ASE #2 ASE #3 ASE # 4 Sonicate
Soxhlet: SW 3540C SW 3545A SW 3545A SW3545A SW3545A SW3550B
Waste Dilution: SW3580 Micro. SW 3546

	Sample	Bottle No.	ASE Position	Initial Weight (g)	Final Volume (ml)	**Cleanup/Comments (3660B, 3630, 3665, other)	Received by: Date:
1	OP34373 MB	n/a	n/a	15.65	10mL	shares w/ op 34379	8/16/13
2	BS	↓	↓	15.50		PCB	
3	MC23451-1	3	↓	15.48		PCB	
4	MC23451-5MS	1		15.29		pest	
5	↓ MSD	↓		15.21		↓	
6	MC23486-55	↓		20.68		PCB/PEST	
7	OP34379 BSL	n/a		15.53		pest	
8	MC23451-1MS	3		15.29		PCB	
9	↓ MSD	↓	↓	15.62	↓	↓	↓
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

MW 8/16/13

Fraction	Bottle #	Lot #	Concentration	Volume
Surrogate: PCB	2	P061941	4.0 ug/ml	100 ml
Surrogate:				
Spike: PCB	1	P061946	40.0 ug/ml	100 ml
Spike: pest		P061898	2.0 ug/ml	100 ml
Spike:				
Spike:				
Spike:				
Hexane Frac. Volume:	NA	NA	NA	
Soxhlet Start/Stop Date/Time:		Filter Paper Lot #	FC005823	

H2SO4 Lot #
Ether: 000004352S
MeCl2: DI 925
Hexane: 000004350
MeCl2/Acetone:
Acetone: 132412
Acetonitrile:
Na Sulfate Lot #: B-775
Silica Lot #:
SPE MFG/Lot #:
Copper: 14707LE
Hydromatrix:
Florisil: 213-41
Sand Lot #:

Balance ID: ACC-8
Water Bath Temp: 40°C Water Bath ID:
Laboratory Percent Humidity:

*Note volume of extract: N = Normal
L = Low

Reviewed by:

Tray #: LC-11

** Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup; 3620 = Florisil
**For Soxhlet extraction document date/time started and finished

OP001-16 (10/23/12)
27

9.8.2 9

New England ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1081613S1.PRN Date Analyzed: 08/16/13 Methods: SW846 7471B
Analyst: EM Run ID: MA15987
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:22	MA15987-STD1	1		STD01REP1
13:24	MA15987-STD2	1		STD02REP1
13:26	MA15987-STD3	1		STD03REP1
13:29	MA15987-STD4	1		STD04REP1
13:31	MA15987-STD5	1		STD05REP1
13:34	MA15987-STD6	1		STD06REP1
13:37	MA15987-STD7	1		STD07REP1
13:39	MA15987-STD8	1		STD08REP1
13:42	MA15987-STD9	1		STD09REP1
13:46	MA15987-ICV1	1		
13:49	MA15987-ICB1	1		
13:51	MA15987-CCV1	1		
13:54	MA15987-CCB1	1		
13:56	MA15987-CRI1	1		
13:59	MP21506-MB1	1		
14:02	MP21506-B1	1		
14:05	MP21506-B2	1		
14:08	MP21506-S1	1		
14:11	MP21506-S2	1		
14:14	MC23416-2	1		(sample used for QC only; not part of login MC23456)
14:17	MP21506-LC1	10		
14:19	ZZZZZZ	1		
14:21	ZZZZZZ	1		
14:24	MA15987-CCV2	1		
14:26	MA15987-CCB2	1		
14:29	MC23456-4	1		
14:31	MC23456-5	1		
---------->	Last reportable sample/prep for job MC23456			
14:34	ZZZZZZ	1		
14:36	ZZZZZZ	1		
14:39	ZZZZZZ	1		
14:41	ZZZZZZ	1		
14:44	ZZZZZZ	1		
14:46	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1081613S1.PRN Date Analyzed: 08/16/13 Methods: SW846 7471B
Analyst: EM Run ID: MA15987
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:49	ZZZZZZ	1		
14:51	ZZZZZZ	1		
14:54	MA15987-CCV3	1		
14:56	MA15987-CCB3	1		
14:59	ZZZZZZ	1		
15:01	MA15987-CRI2	1		
15:04	MA15987-CCV4	1		
15:06	MA15987-CCB4	1		

----------> Last reportable CCB for job MC23456
Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1081613S1.PRN Date Analyzed: 08/16/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA15987 Units: ug/l

Time:			13:49		13:54		14:26		14:56	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.052	0.060	<0.20	0.034	<0.20	0.0010	<0.20	0.016	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1081613S1.PRN Date Analyzed: 08/16/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA15987 Units: ug/l

Time:			15:06	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Mercury	0.20	.052	0.0	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1081613S1.PRN Date Analyzed: 08/16/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA15987 Units: ug/l

Time:		13:46			13:51			14:24	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	4	4.2	105.0	3.0	3.0	100.0	3	2.9	96.7

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1081613S1.PRN Date Analyzed: 08/16/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA15987 Units: ug/l

Time:		14:54			15:04	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.1	103.3	3	2.9	96.7

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1081613S1.PRN Date Analyzed: 08/16/13 Methods: SW846 7471B
QC Limits: 80 to 120 % Recovery Run ID: MA15987 Units: ug/l

Time:			13:56		15:01	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.24	120.0	0.24	120.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15999
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:11	MA15999-STD1	1		STD1
16:16	MA15999-STD2	1		STD2
16:20	MA15999-STD3	1		STD3
16:25	MA15999-STD4	1		STD4
16:30	MA15999-ICV1	1		
16:39	MA15999-ICB1	1		
16:44	MA15999-CCV1	1		
16:50	MA15999-CCB1	1		
16:55	MA15999-CRI1	1		
17:00	MA15999-ICSA1	1		
17:05	MA15999-ICSAB1	1		
17:10	MP21515-B1	1		
17:15	MP21515-MB1	1		
17:20	MP21515-S1	1		
17:24	MP21515-S2	1		
17:29	MC23530-1	1		(sample used for QC only; not part of login MC23456)
17:34	MP21515-SD1	5		
17:39	MP21515-B2	1		
17:44	MA15999-CCV2	1		
17:48	MA15999-CCB2	1		
17:53	ZZZZZZ	1		
17:58	ZZZZZZ	1		
18:03	ZZZZZZ	1		
18:08	ZZZZZZ	1		
18:13	ZZZZZZ	1		
18:18	ZZZZZZ	1		
18:23	ZZZZZZ	1		
18:27	ZZZZZZ	1		
18:32	ZZZZZZ	1		
18:37	ZZZZZZ	1		
18:42	MA15999-CCV3	1		
18:47	MA15999-CCB3	1		
18:52	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15999
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:57	ZZZZZZ	1		
19:02	ZZZZZZ	1		
19:07	ZZZZZZ	1		
19:11	ZZZZZZ	1		
19:16	ZZZZZZ	1		
19:21	MP21504-B1	1		
19:26	MP21504-MB1	1		
19:31	MP21504-S1	1		
19:36	MP21504-S2	1		
19:41	MA15999-CCV4	1		
19:45	MA15999-CCB4	1		
19:50	MC23514-1F	1		(sample used for QC only; not part of login MC23456)
19:55	MP21504-SD1	5		
20:00	MP21504-B2	1		
20:05	MP21504-MB2	1		
20:10	ZZZZZZ	1		
20:15	ZZZZZZ	1		
20:20	ZZZZZZ	1		
20:25	ZZZZZZ	1		
20:30	ZZZZZZ	1		
20:34	ZZZZZZ	1		
20:39	MA15999-CCV5	1		
20:44	MA15999-CCB5	1		
20:49	ZZZZZZ	1		
20:54	ZZZZZZ	1		
20:59	ZZZZZZ	1		
21:04	ZZZZZZ	1		
21:09	ZZZZZZ	1		
21:14	MA15999-CRI2	1		
21:19	MA15999-ICSA2	1		
21:24	MA15999-ICSAB2	1		
21:29	MA15999-CCV6	1		
21:33	MA15999-CCB6	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15999
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:38	MP21512-B1	1		
21:43	MP21512-MB1	1		
21:48	MP21512-S1	1		
21:53	MP21512-S2	1		
21:58	MC23532-5F	1		(sample used for QC only; not part of login MC23456)
22:03	MP21512-SD1	5		
22:07	MP21512-B2	1		
22:12	ZZZZZZ	1		
22:17	ZZZZZZ	1		
22:22	ZZZZZZ	1		
22:27	MA15999-CCV7	1		
22:32	MA15999-CCB7	1		
22:37	ZZZZZZ	1		
22:42	ZZZZZZ	1		
22:46	ZZZZZZ	1		
22:51	ZZZZZZ	1		
22:56	ZZZZZZ	1		
23:01	ZZZZZZ	1		
23:06	ZZZZZZ	1		
23:11	ZZZZZZ	1		
23:16	ZZZZZZ	1		
23:21	ZZZZZZ	1		
23:26	MA15999-CCV8	1		
23:30	MA15999-CCB8	1		
23:35	ZZZZZZ	1		
23:40	ZZZZZZ	1		
23:45	ZZZZZZ	1		
23:50	ZZZZZZ	1		
23:55	ZZZZZZ	1		
00:00	ZZZZZZ	1		
00:05	MA15999-CRI3	1		
00:10	MA15999-CRIA1	1		
00:15	MP21505-B1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15999
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:20	MP21505-MB1	1		
00:25	MA15999-CCV9	1		
00:29	MA15999-CCB9	1		
00:34	MP21505-S1	1		
00:39	MP21505-S2	1		
00:44	MC23527-1	1		(sample used for QC only; not part of login MC23456)
00:49	MP21505-SD1	5		
00:54	MP21505-B2	1		
00:59	MP21505-LC1	1		
01:04	MC23456-4	1		BA OVER RANGE; SE NEG.
01:09	MC23456-5	1		BA OVER RANGE; SE NEG.
---------->	Last reportable sample/prep for job MC23456			
01:14	ZZZZZZ	1		
01:19	ZZZZZZ	1		
01:23	MA15999-CCV10	1		
01:28	MA15999-CCB10	1		
01:33	ZZZZZZ	1		
01:38	ZZZZZZ	1		
01:43	ZZZZZZ	1		
01:48	ZZZZZZ	1		
01:52	ZZZZZZ	1		
01:57	ZZZZZZ	1		
02:02	ZZZZZZ	1		
02:07	ZZZZZZ	1		
02:12	ZZZZZZ	1		
02:17	ZZZZZZ	1		
02:22	MA15999-CCV11	1		
02:27	MA15999-CCB11	1		
02:32	ZZZZZZ	1		
02:36	ZZZZZZ	1		
02:41	ZZZZZZ	1		
02:46	ZZZZZZ	1		
02:51	ZZZZZZ	1		
02:56	ZZZZZZ	1		RINSECONF.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15999
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
03:01	MA15999-CRIA2	1		
03:06	MA15999-ICSA3	1		
03:11	MA15999-ICSAB3	1		
03:15	MA15999-CCV12	1		
03:20	MA15999-CCB12	1		
---------->	Last reportable CCB for job MC23456			
03:25	MA15999-CRIB1	1		
03:30	MP21508-B1	1		
03:35	MP21508-MB1	1		
03:40	MP21508-S1	1		
03:45	MP21508-S2	1		
03:50	JB44687-9A	1		(sample used for QC only; not part of login MC23456)
03:55	MP21508-SD1	5		
04:00	MP21508-LB1	1		
04:05	ZZZZZZ	1		
04:10	ZZZZZZ	1		
04:15	MA15999-CCV13	1		
04:20	MA15999-CCB13	1		
04:25	ZZZZZZ	1		
04:30	ZZZZZZ	1		
04:35	ZZZZZZ	1		
04:40	ZZZZZZ	1		
04:45	ZZZZZZ	1		
04:50	ZZZZZZ	1		
04:55	ZZZZZZ	1		
05:00	ZZZZZZ	1		
05:05	ZZZZZZ	1		
05:10	ZZZZZZ	1		
05:15	MA15999-CCV14	1		
05:20	MA15999-CCB14	1		
05:25	ZZZZZZ	1		
05:30	ZZZZZZ	1		
05:35	ZZZZZZ	1		
05:40	ZZZZZZ	1		RINSECONF.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15999
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
05:45	ZZZZZZ	1		RINSECONF.
05:50	MA15999-CRIB2	1		
05:55	MA15999-ICSA4	1		
06:00	MA15999-ICSAB4	1		
06:05	MA15999-CCV15	1		
06:10	MA15999-CCB15	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15999
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
16:11	MA15999-STD1	3968 R	89599 R	9849 R
16:16	MA15999-STD2	3944	89684	9995
16:20	MA15999-STD3			9862
16:25	MA15999-STD4	4061	91244	10040
16:30	MA15999-ICV1	3956	88687	9812
16:39	MA15999-ICB1	3936	89437	9803
16:44	MA15999-CCV1	4001	90718	10010
16:50	MA15999-CCB1	3944	89816	10096
16:55	MA15999-CRI1	3955	89813	9888
17:00	MA15999-ICSA1	3597	83942	9601
17:05	MA15999-ICSAB1	3623	83388	9462
17:10	MP21515-B1	3913	89785	10044
17:15	MP21515-MB1	3908	89958	9754
17:20	MP21515-S1	3829	89529	9841
17:24	MP21515-S2	3829	89648	9895
17:29	MC23530-1	3899	89945	10004
17:34	MP21515-SD1	3910	89503	9907
17:39	MP21515-B2	3845	88839	9798
17:44	MA15999-CCV2	3875	89682	9887
17:48	MA15999-CCB2	3892	91059	9803
17:53	ZZZZZZ	3770	89156	10020
17:58	ZZZZZZ	3857	89399	9883
18:03	ZZZZZZ	3897	89732	9745
18:08	ZZZZZZ	3839	87235	10051
18:13	ZZZZZZ	3861	89849	9783
18:18	ZZZZZZ	3741	88728	9950
18:23	ZZZZZZ	3695	87318	9762
18:27	ZZZZZZ	3863	89222	9552
18:32	ZZZZZZ	3838	87880	10036
18:37	ZZZZZZ	3765	87340	9977
18:42	MA15999-CCV3	3969	90270	9812
18:47	MA15999-CCB3	3919	89234	9748
18:52	ZZZZZZ	3861	88774	9987

INTERNAL STANDARD SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15999
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
18:57	ZZZZZZ	3834	88177	9712
19:02	ZZZZZZ	3828	89150	9854
19:07	ZZZZZZ	3892	88478	10117
19:11	ZZZZZZ	3933	88492	10045
19:16	ZZZZZZ	3961	89793	9906
19:21	MP21504-B1	3873	89782	9774
19:26	MP21504-MB1	3902	89798	9746
19:31	MP21504-S1	3898	88824	9970
19:36	MP21504-S2	3888	89285	9830
19:41	MA15999-CCV4	3939	90104	9632
19:45	MA15999-CCB4	3940	87887	9655
19:50	MC23514-1F	3942	90881	9819
19:55	MP21504-SD1	3963	89775	9895
20:00	MP21504-B2	3915	88570	9876
20:05	MP21504-MB2	3911	88932	9815
20:10	ZZZZZZ	3847	87833	9726
20:15	ZZZZZZ	3809	87619	9720
20:20	ZZZZZZ	3898	90210	9801
20:25	ZZZZZZ	3929	89345	9722
20:30	ZZZZZZ	3982	89103	9792
20:34	ZZZZZZ	3933	88884	9640
20:39	MA15999-CCV5	3958	89093	9661
20:44	MA15999-CCB5	3936	89293	9585
20:49	ZZZZZZ	3944	89318	9812
20:54	ZZZZZZ	3938	90041	9717
20:59	ZZZZZZ	3888	89754	9701
21:04	ZZZZZZ	3855	90893	9181
21:09	ZZZZZZ	3854	88171	9575
21:14	MA15999-CRI2	3992	90720	9730
21:19	MA15999-ICSA2	3629	84711	9307
21:24	MA15999-ICSAB2	3650	83108	9442
21:29	MA15999-CCV6	3984	93427	9638
21:33	MA15999-CCB6	3951	89369	9774

INTERNAL STANDARD SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15999
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
21:38	MP21512-B1	3866	87832	9563
21:43	MP21512-MB1	3911	89749	9581
21:48	MP21512-S1	3829	88920	9411
21:53	MP21512-S2	3831	88571	9501
21:58	MC23532-5F	3861	89261	9454
22:03	MP21512-SD1	3916	89267	9488
22:07	MP21512-B2	3870	89020	9496
22:12	ZZZZZZ	3854	88741	9293
22:17	ZZZZZZ	3831	89296	9777
22:22	ZZZZZZ	3824	88184	9463
22:27	MA15999-CCV7	3949	89349	9747
22:32	MA15999-CCB7	3978	89751	9792
22:37	ZZZZZZ	3818	87856	9741
22:42	ZZZZZZ	3757	87925	9452
22:46	ZZZZZZ	3783	87600	9415
22:51	ZZZZZZ	3893	88824	9958
22:56	ZZZZZZ	3955	90329	9802
23:01	ZZZZZZ	3906	90387	9501
23:06	ZZZZZZ	3932	89755	9626
23:11	ZZZZZZ	3914	89566	9606
23:16	ZZZZZZ	3781	88683	9536
23:21	ZZZZZZ	3742	86753	9502
23:26	MA15999-CCV8	3973	89780	9859
23:30	MA15999-CCB8	3935	88765	9650
23:35	ZZZZZZ	3790	86577	9432
23:40	ZZZZZZ	3688	85887	9367
23:45	ZZZZZZ	3780	87481	9551
23:50	ZZZZZZ	3789	87456	9507
23:55	ZZZZZZ	3862	90398	9605
00:00	ZZZZZZ	3892	89240	9601
00:05	MA15999-CRI3	4007	91700	9589
00:10	MA15999-CRIA1	3933	89187	9809
00:15	MP21505-B1	3929	91467	9437

INTERNAL STANDARD SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15999
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
00:20	MP21505-MB1	4022	92183	9664
00:25	MA15999-CCV9	3978	89523	9802
00:29	MA15999-CCB9	3981	90495	9800
00:34	MP21505-S1	4528	104230	11280
00:39	MP21505-S2	4493	103300	11279
00:44	MC23527-1	4626	105470	11311
00:49	MP21505-SD1	4133	93203	9879
00:54	MP21505-B2	3980	90130	9801
00:59	MP21505-LC1	4298	98773	10905
01:04	MC23456-4	3816	92697	10218
01:09	MC23456-5	3934	93672	10600
01:14	ZZZZZZ	4453	102190	11322
01:19	ZZZZZZ	4233	96678	10401
01:23	MA15999-CCV10	3971	89854	9731
01:28	MA15999-CCB10	4003	91194	9673
01:33	ZZZZZZ	4238	96498	10568
01:38	ZZZZZZ	4302	97123	10585
01:43	ZZZZZZ	4369	99669	10959
01:48	ZZZZZZ	4662	106420	11495
01:52	ZZZZZZ	4292	97232	10587
01:57	ZZZZZZ	4281	98646	10835
02:02	ZZZZZZ	3916	94741	10284
02:07	ZZZZZZ	4405	100570	11282
02:12	ZZZZZZ	4773	109740	11991
02:17	ZZZZZZ	4328	100230	11014
02:22	MA15999-CCV11	4057	91695	9836
02:27	MA15999-CCB11	4013	91551	9925
02:32	ZZZZZZ	4314	98934	10825
02:36	ZZZZZZ	4358	99861	10897
02:41	ZZZZZZ	4389	100590	11138
02:46	ZZZZZZ	4320	98695	10721
02:51	ZZZZZZ	4392	100270	10978
02:56	ZZZZZZ	3965	91651	9785

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ACCUTEST LABORATORIES
MC23456

INTERNAL STANDARD SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15999
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
03:01	MA15999-CRIA2	4020	91510	9874
03:06	MA15999-ICSA3	3673	83929	9550
03:11	MA15999-ICSAB3	3687	85501	9605
03:15	MA15999-CCV12	4034	91242	9892
03:20	MA15999-CCB12	4003	90405	9803
03:25	MA15999-CRIB1	4007	90864	9862
03:30	MP21508-B1	3672	85924	9844
03:35	MP21508-MB1	3991	90973	9864
03:40	MP21508-S1	3513	83578	9789
03:45	MP21508-S2	3493	84611	9768
03:50	JB44687-9A	3497	84503	9598
03:55	MP21508-SD1	3866	89888	9971
04:00	MP21508-LB1	3672	86362	9888
04:05	ZZZZZZ	3664	87525	9971
04:10	ZZZZZZ	3689	87984	10047
04:15	MA15999-CCV13	4055	91651	9960
04:20	MA15999-CCB13	4018	90963	9813
04:25	ZZZZZZ	3696	87651	9888
04:30	ZZZZZZ	3441	83186	9583
04:35	ZZZZZZ	3691	87835	9759
04:40	ZZZZZZ	3372	83702	9507
04:45	ZZZZZZ	3622	85518	9897
04:50	ZZZZZZ	3711	87891	9968
04:55	ZZZZZZ	3649	86574	9830
05:00	ZZZZZZ	3625	86051	9837
05:05	ZZZZZZ	3458	83689	9716
05:10	ZZZZZZ	3692	86725	10060
05:15	MA15999-CCV14	4020	92106	9942
05:20	MA15999-CCB14	4031	91480	9817
05:25	ZZZZZZ	3694	87484	9789
05:30	ZZZZZZ	3527	84996	9627
05:35	ZZZZZZ	3519	84947	9820
05:40	ZZZZZZ	3984	90577	9726

INTERNAL STANDARD SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA15999
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
05:45	ZZZZZZ	4026	91539	9822
05:50	MA15999-CRIB2	4049	91595	9873
05:55	MA15999-ICSA4	3684	84870	9438
06:00	MA15999-ICSAB4	3727	85337	9554
06:05	MA15999-CCV15	4062	91121	9937
06:10	MA15999-CCB15	4031	91541	9836

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

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BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15999 Units: ug/l

Time:			16:39		16:50		17:48		18:47	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.2	anr							
Arsenic	4.0	1.1	0.50	<4.0	1.1	<4.0	0.30	<4.0	1.3	<4.0
Barium	50	.43	0.10	<50	-0.30	<50	0.20	<50	-0.10	<50
Beryllium	4.0	.17	anr							
Boron	100	.47								
Cadmium	4.0	.14	0.20	<4.0	0.20	<4.0	0.30	<4.0	0.20	<4.0
Calcium	5000	15	anr							
Chromium	10	.5	-0.30	<10	-0.10	<10	-0.20	<10	0.0	<10
Cobalt	50	.15	anr							
Copper	25	.79	anr							
Gold	50	2.3								
Iron	100	4	anr							
Lead	5.0	.76	0.90	<5.0	0.30	<5.0	0.90	<5.0	0.80	<5.0
Magnesium	5000	53	anr							
Manganese	15	.16	anr							
Molybdenum	100	.25	anr							
Nickel	40	.15	anr							
Palladium	50	2.3								
Platinum	50	5.2								
Potassium	5000	64	anr							
Selenium	10	1.7	0.30	<10	0.30	<10	0.50	<10	0.70	<10
Silicon	100	1.7								
Silver	5.0	.62	-0.20	<5.0	0.0	<5.0	-0.30	<5.0	-0.60	<5.0
Sodium	5000	23	anr							
Strontium	10	.2								
Thallium	5.0	.67	anr							
Tin	100	.23								
Titanium	50	1.9								
Tungsten	100	7.3								
Vanadium	10	.95	anr							
Zinc	20	.13	anr							
Zirconium	50	2.3								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15999 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15999 Units: ug/l

Time: / Sample ID:			19:45 CCB4		20:44 CCB5		21:33 CCB6		22:32 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.2	anr							
Arsenic	4.0	1.1	0.10	<4.0	0.30	<4.0	0.90	<4.0	0.0	<4.0
Barium	50	.43	0.10	<50	0.30	<50	-0.10	<50	0.0	<50
Beryllium	4.0	.17	anr							
Boron	100	.47								
Cadmium	4.0	.14	0.10	<4.0	0.30	<4.0	0.40	<4.0	0.10	<4.0
Calcium	5000	15	anr							
Chromium	10	.5	-0.30	<10	-0.40	<10	0.10	<10	-0.10	<10
Cobalt	50	.15	anr							
Copper	25	.79	anr							
Gold	50	2.3								
Iron	100	4	anr							
Lead	5.0	.76	0.40	<5.0	0.60	<5.0	1.3	<5.0	0.80	<5.0
Magnesium	5000	53	anr							
Manganese	15	.16	anr							
Molybdenum	100	.25	anr							
Nickel	40	.15	anr							
Palladium	50	2.3								
Platinum	50	5.2								
Potassium	5000	64	anr							
Selenium	10	1.7	-0.30	<10	0.40	<10	0.90	<10	0.90	<10
Silicon	100	1.7								
Silver	5.0	.62	-0.20	<5.0	-0.20	<5.0	-0.50	<5.0	-0.60	<5.0
Sodium	5000	23	anr							
Strontium	10	.2								
Thallium	5.0	.67	anr							
Tin	100	.23								
Titanium	50	1.9								
Tungsten	100	7.3								
Vanadium	10	.95	anr							
Zinc	20	.13	anr							
Zirconium	50	2.3								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15999 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15999 Units: ug/l

Time: / Sample ID:			23:30 CCB8		00:29 CCB9		01:28 CCB10		02:27 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.2	anr							
Arsenic	4.0	1.1	0.30	<4.0	0.0	<4.0	-0.40	<4.0	0.50	<4.0
Barium	50	.43	0.0	<50	0.10	<50	0.20	<50	-0.10	<50
Beryllium	4.0	.17	anr							
Boron	100	.47								
Cadmium	4.0	.14	0.10	<4.0	0.10	<4.0	0.20	<4.0	0.0	<4.0
Calcium	5000	15	anr							
Chromium	10	.5	-0.10	<10	-0.10	<10	-0.20	<10	0.0	<10
Cobalt	50	.15	anr							
Copper	25	.79	anr							
Gold	50	2.3								
Iron	100	4	anr							
Lead	5.0	.76	0.60	<5.0	1.1	<5.0	0.80	<5.0	1.5	<5.0
Magnesium	5000	53	anr							
Manganese	15	.16	anr							
Molybdenum	100	.25	anr							
Nickel	40	.15	anr							
Palladium	50	2.3								
Platinum	50	5.2								
Potassium	5000	64	anr							
Selenium	10	1.7	0.40	<10	1.2	<10	0.80	<10	1.2	<10
Silicon	100	1.7								
Silver	5.0	.62	-0.60	<5.0	-0.50	<5.0	0.0	<5.0	0.0	<5.0
Sodium	5000	23	anr							
Strontium	10	.2								
Thallium	5.0	.67	anr							
Tin	100	.23								
Titanium	50	1.9								
Tungsten	100	7.3								
Vanadium	10	.95	anr							
Zinc	20	.13	anr							
Zirconium	50	2.3								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15999 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15999 Units: ug/l

Time:			03:20	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final
Aluminum	200	17	anr	
Antimony	6.0	1.2	anr	
Arsenic	4.0	1.1	0.20	<4.0
Barium	50	.43	0.0	<50
Beryllium	4.0	.17	anr	
Boron	100	.47		
Cadmium	4.0	.14	0.30	<4.0
Calcium	5000	15	anr	
Chromium	10	.5	-0.10	<10
Cobalt	50	.15	anr	
Copper	25	.79	anr	
Gold	50	2.3		
Iron	100	4	anr	
Lead	5.0	.76	0.90	<5.0
Magnesium	5000	53	anr	
Manganese	15	.16	anr	
Molybdenum	100	.25	anr	
Nickel	40	.15	anr	
Palladium	50	2.3		
Platinum	50	5.2		
Potassium	5000	64	anr	
Selenium	10	1.7	0.70	<10
Silicon	100	1.7		
Silver	5.0	.62	-0.10	<5.0
Sodium	5000	23	anr	
Strontium	10	.2		
Thallium	5.0	.67	anr	
Tin	100	.23		
Titanium	50	1.9		
Tungsten	100	7.3		
Vanadium	10	.95	anr	
Zinc	20	.13	anr	
Zirconium	50	2.3		

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15999 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15999 Units: ug/l

Time:		16:30			16:44			17:44	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	3000	2970	99.0	2000	1930	96.5	2000	1960	98.0
Barium	3000	3080	102.7	2000	1940	97.0	2000	1950	97.5
Beryllium	anr								
Boron									
Cadmium	3000	2900	96.7	2000	1920	96.0	2000	2000	100.0
Calcium	anr								
Chromium	3000	3020	100.7	2000	1930	96.5	2000	1960	98.0
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	3000	2880	96.0	2000	1900	95.0	2000	1940	97.0
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	3000	2910	97.0	2000	1930	96.5	2000	1990	99.5
Silicon									
Silver	500	505	101.0	250	242	96.8	250	248	99.2
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15999 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15999 Units: ug/l

Time:		18:42			19:41			20:39	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	2000	1930	96.5	2000	1930	96.5	2000	1940	97.0
Barium	2000	1940	97.0	2000	1990	99.5	2000	1960	98.0
Beryllium	anr								
Boron									
Cadmium	2000	1950	97.5	2000	1960	98.0	2000	1950	97.5
Calcium	anr								
Chromium	2000	1960	98.0	2000	1960	98.0	2000	1960	98.0
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	2000	1910	95.5	2000	1920	96.0	2000	1910	95.5
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	2000	1940	97.0	2000	1940	97.0	2000	1940	97.0
Silicon									
Silver	250	244	97.6	250	243	97.2	250	246	98.4
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15999 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15999 Units: ug/l

Time:		21:29			22:27			23:26	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	2000	1950	97.5	2000	1950	97.5	2000	1940	97.0
Barium	2000	1960	98.0	2000	1910	95.5	2000	1910	95.5
Beryllium	anr								
Boron									
Cadmium	2000	1960	98.0	2000	1970	98.5	2000	1950	97.5
Calcium	anr								
Chromium	2000	1880	94.0	2000	1970	98.5	2000	1940	97.0
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	2000	1920	96.0	2000	1930	96.5	2000	1910	95.5
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	2000	1950	97.5	2000	1960	98.0	2000	1940	97.0
Silicon									
Silver	250	237	94.8	250	249	99.6	250	249	99.6
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15999 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15999 Units: ug/l

Time:		00:25			01:23			02:22	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	2000	1930	96.5	2000	1930	96.5	2000	1920	96.0
Barium	2000	1930	96.5	2000	1950	97.5	2000	1970	98.5
Beryllium	anr								
Boron									
Cadmium	2000	1960	98.0	2000	1960	98.0	2000	1930	96.5
Calcium	anr								
Chromium	2000	1970	98.5	2000	1960	98.0	2000	1930	96.5
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	2000	1910	95.5	2000	1920	96.0	2000	1900	95.0
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	2000	1950	97.5	2000	1940	97.0	2000	1920	96.0
Silicon									
Silver	250	248	99.2	250	246	98.4	250	242	96.8
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								
Zirconium									

(*) Outside of QC limits

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903 of 1021
ACCUTEST LABORATORIES
MC23456

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15999 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15999 Units: ug/l

Time:		03:15	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	2000	1920	96.0
Barium	2000	1940	97.0
Beryllium	anr		
Boron			
Cadmium	2000	1920	96.0
Calcium	anr		
Chromium	2000	1920	96.0
Cobalt	anr		
Copper	anr		
Gold			
Iron	anr		
Lead	2000	1890	94.5
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Palladium			
Platinum			
Potassium	anr		
Selenium	2000	1920	96.0
Silicon			
Silver	250	243	97.2
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		
Zirconium			

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15999 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA15999 Units: ug/l

Time: / Sample ID: / Metal	CRI True	CRIA True	16:55 CRI1 Results	% Rec	21:14 CRI2 Results	% Rec	00:05 CRI3 Results	% Rec	00:10 CRIA1 Results	% Rec
Aluminum	200	200	anr							
Antimony	6.0	10	anr							
Arsenic	4.0	10	4.1	102.5	3.7	92.5	4.0	100.0	10.2	102.0
Barium	50	50	49.1	98.2	48.6	97.2	49.2	98.4	48.3	96.6
Beryllium	4.0	4.0	anr							
Boron	100	100								
Cadmium	4.0	4.0	4.2	105.0	4.0	100.0	4.1	102.5	4.2	105.0
Calcium	5000	5000	anr							
Chromium	10	10	9.7	97.0	9.7	97.0	9.8	98.0	9.8	98.0
Cobalt	50	50	anr							
Copper	25	25	anr							
Gold	50	50								
Iron	100	100	anr							
Lead	5.0	10	5.4	108.0	5.5	110.0	5.5	110.0	10.3	103.0
Magnesium	5000	5000	anr							
Manganese	15	15	anr							
Molybdenum	100	100	anr							
Nickel	40	40	anr							
Palladium	50	50								
Platinum	50	50								
Potassium	5000	5000	anr							
Selenium	10	10	10.0	100.0	10.4	104.0	10.4	104.0	10.1	101.0
Silicon	100	100								
Silver	5.0	5.0	4.8	96.0	4.2	84.0	4.9	98.0	4.6	92.0
Sodium	5000	5000	anr							
Strontium	10	10								
Thallium	5.0	10	anr							
Tin	100	100								
Titanium	50	50								
Tungsten	100	100								
Vanadium	10	10	anr							
Zinc	20	20	anr							
Zirconium	50	50								

(*) Outside of QC limits

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA15999 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA15999 Units: ug/l

Time:			03:01	
Sample ID:	CRI	CRIA	CRIA2	
Metal	True	True	Results	% Rec
Aluminum	200	200	anr	
Antimony	6.0	10	anr	
Arsenic	4.0	10	10.3	103.0
Barium	50	50	49.9	99.8
Beryllium	4.0	4.0	anr	
Boron	100	100		
Cadmium	4.0	4.0	4.0	100.0
Calcium	5000	5000	anr	
Chromium	10	10	9.7	97.0
Cobalt	50	50	anr	
Copper	25	25	anr	
Gold	50	50		
Iron	100	100	anr	
Lead	5.0	10	10.3	103.0
Magnesium	5000	5000	anr	
Manganese	15	15	anr	
Molybdenum	100	100	anr	
Nickel	40	40	anr	
Palladium	50	50		
Platinum	50	50		
Potassium	5000	5000	anr	
Selenium	10	10	9.7	97.0
Silicon	100	100		
Silver	5.0	5.0	4.5	90.0
Sodium	5000	5000	anr	
Strontium	10	10		
Thallium	5.0	10	anr	
Tin	100	100		
Titanium	50	50		
Tungsten	100	100		
Vanadium	10	10	anr	
Zinc	20	20	anr	
Zirconium	50	50		

(*) Outside of QC limits

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA15999 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA15999 Units: ug/l

Time:			17:00		17:05		21:19		21:24	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	510000	102.0	526000	105.2	516000	103.2	508000	101.6
Antimony		2000	-0.70		2010	100.5	0.20		1960	98.0
Arsenic		2000	0.0		1990	99.5	0.90		1950	97.5
Barium		500	2.0		519	103.8	1.9		493	98.6
Beryllium		500	0.20		472	94.4	0.10		452	90.4
Boron		1000	1.1		962	96.2	0.50		944	94.4
Cadmium		1000	0.40		996	99.6	0.30		989	98.9
Calcium	500000	500000	448000	89.6	454000	90.8	454000	90.8	439000	87.8
Chromium		500	0.20		478	95.6	0.20		477	95.4
Cobalt		500	0.0		455	91.0	-0.10		452	90.4
Copper		500	-0.60		499	99.8	-1.1		495	99.0
Gold		500	42.2		537	107.4	42.7		532	106.4
Iron	200000	200000	186000	93.0	191000	95.5	184000	92.0	181000	90.5
Lead		1000	-1.1		863	86.3	-1.0		856	85.6
Magnesium	500000	500000	498000	99.6	511000	102.2	500000	100.0	489000	97.8
Manganese		500	1.0		475	95.0	1.1		476	95.2
Molybdenum		1000	-2.2		928	92.8	-2.6		918	91.8
Nickel		1000	1.8		839	83.9	1.7		831	83.1
Palladium		500	-6.1		512	102.4	-7.7		508	101.6
Platinum		500	-1.4		498	99.6	-5.3		497	99.4
Potassium			-11		-8.1		44.0		18.7	
Selenium		2000	-3.8		1970	98.5	-4.7		1920	96.0
Silicon		2000	25.8		2130	106.5	26.4		2090	104.5
Silver		1000	-0.20		1030	103.0	-0.60		1030	103.0
Sodium			-30		-39		26.9		-22	
Strontium		1000	1.2		1030	103.0	1.1		981	98.1
Thallium		2000	-0.50		1760	88.0	-1.6		1740	87.0
Tin		1000	-1.0		942	94.2	-1.2		939	93.9
Titanium		500	7.7		507	101.4	7.5		504	100.8
Tungsten		2000	-7.2		1880	94.0	-17		1880	94.0
Vanadium		500	-0.10		504	100.8	0.20		503	100.6
Zinc		1000	-1.1		869	86.9	0.20		875	87.5
Zirconium		500	1.7		416	83.2	2.9		416	83.2

(*) Outside of QC limits

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA15999 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA15999 Units: ug/l

Time:			03:06		03:11	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	510000	102.0	507000	101.4
Antimony		2000	0.30		1970	98.5
Arsenic		2000	1.3		1940	97.0
Barium		500	1.7		501	100.2
Beryllium		500	0.10		449	89.8
Boron		1000	0.40		941	94.1
Cadmium		1000	0.50		983	98.3
Calcium	500000	500000	444000	88.8	438000	87.6
Chromium		500	0.0		459	91.8
Cobalt		500	0.10		448	89.6
Copper		500	-1.5		484	96.8
Gold		500	45.2		523	104.6
Iron	200000	200000	175000	87.5	175000	87.5
Lead		1000	0.30		845	84.5
Magnesium	500000	500000	479000	95.8	476000	95.2
Manganese		500	1.0		461	92.2
Molybdenum		1000	-2.6		911	91.1
Nickel		1000	1.6		823	82.3
Palladium		500	-12		500	100.0
Platinum		500	2.9		483	96.6
Potassium			102		92.6	
Selenium		2000	-6.9		1920	96.0
Silicon		2000	25.0		2100	105.0
Silver		1000	-0.30		1010	101.0
Sodium			-150		-140	
Strontium		1000	1.4		1000	100.0
Thallium		2000	-1.9		1720	86.0
Tin		1000	-1.1		923	92.3
Titanium		500	7.7		489	97.8
Tungsten		2000	-19		1820	91.0
Vanadium		500	0.20		489	97.8
Zinc		1000	-1.2		853	85.3
Zirconium		500	1.8		401	80.2

(*) Outside of QC limits

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081613M2.ICP Date Analyzed: 08/16/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA15999 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081913M1.ICP Date Analyzed: 08/19/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16000
Parameters: Ba,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:26	MA16000-STD1	1		STD1
11:31	MA16000-STD2	1		STD2
11:35	MA16000-STD3	1		STD3
11:40	MA16000-STD4	1		STD4
11:45	MA16000-ICV1	1		
11:51	MA16000-ICB1	1		
11:56	MA16000-CCV1	1		
12:01	MA16000-CCB1	1		
12:06	MA16000-CRIA1	1		
12:11	MA16000-CRIB1	1		
12:16	MA16000-ICSA1	1		
12:20	MA16000-ICSAB1	1		
12:25	MP21517-B1	1		
12:30	MP21517-MB1	1		
12:35	MP21517-S1	1		
12:40	MP21517-S2	1		
12:45	MC23544-1	1		(sample used for QC only; not part of login MC23456)
12:50	MP21517-SD1	5		
12:55	ZZZZZZ	1		DNR: HIGH %RSD, SEE RERUN FOR CCV.
13:00	MA16000-CCV2	1		
13:06	MA16000-CCB2	1		
13:11	MP21517-B2	1		
13:16	MP21517-LB1	1		
13:21	MP21517-LS1	1		
13:26	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:36	ZZZZZZ	10		
13:41	ZZZZZZ	10		
13:46	MC23456-4	5		
13:50	MC23456-5	2		
13:55	MC23456-5	5		
---------->	Last reportable sample/prep for job MC23456			
14:00	MA16000-CCV3	1		
14:05	MA16000-CCB3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081913M1.ICP Date Analyzed: 08/19/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16000
Parameters: Ba,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:10	ZZZZZZ	1		
14:15	ZZZZZZ	10		
14:19	ZZZZZZ	100		
14:26	MA16000-CRIA2	1		
14:31	MA16000-CRIB2	1		
14:36	MA16000-ICSA2	1		
14:41	MA16000-ICSAB2	1		
14:46	MA16000-CCV4	1		
14:51	MA16000-CCB4	1		

----------> Last reportable CCB for job MC23456
Refer to raw data for calibration curve and standards.

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INTERNAL STANDARD SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081913M1.ICP Date Analyzed: 08/19/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16000
Parameters: Ba,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3
11:26	MA16000-STD1	4133 R	86317 R	8955 R
11:31	MA16000-STD2	4149	85908	9080
11:35	MA16000-STD3			9022
11:40	MA16000-STD4	4191	85971	9105
11:45	MA16000-ICV1	4167	85555	9083
11:51	MA16000-ICB1	4186	86256	9095
11:56	MA16000-CCV1	4208	86027	8967
12:01	MA16000-CCB1	4193	85102	8931
12:06	MA16000-CRIA1	4190	86460	8961
12:11	MA16000-CRIB1	4176	85571	8901
12:16	MA16000-ICSA1	3905	80874	8761
12:20	MA16000-ICSAB1	3872	80799	8790
12:25	MP21517-B1	3866	81471	9102
12:30	MP21517-MB1	4163	85949	9021
12:35	MP21517-S1	3632	79505	8969
12:40	MP21517-S2	3629	79324	8703
12:45	MC23544-1	3615	80711	8777
12:50	MP21517-SD1	4028	84735	9005
12:55	ZZZZZZ	4221	86209	9369
13:00	MA16000-CCV2	4247	85744	9020
13:06	MA16000-CCB2	4184	85515	8929
13:11	MP21517-B2	3875	80995	9043
13:16	MP21517-LB1	3866	81827	9095
13:21	MP21517-LS1	3879	80597	8847
13:26	ZZZZZZ	3834	80721	8832
13:31	ZZZZZZ	3866	81965	8905
13:36	ZZZZZZ	4184	85844	9124
13:41	ZZZZZZ	4151	86239	8852
13:46	MC23456-4	4245	87179	9097
13:50	MC23456-5	4244	87898	9115
13:55	MC23456-5	4290	87278	9079
14:00	MA16000-CCV3	4269	86223	8846
14:05	MA16000-CCB3	4252	85544	8999

INTERNAL STANDARD SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081913M1.ICP Date Analyzed: 08/19/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16000
Parameters: Ba,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3
14:10	ZZZZZZ	4705	95292	9983
14:15	ZZZZZZ	4355	87077	9074
14:19	ZZZZZZ	4245	86298	9099
14:26	MA16000-CRIA2	4229	86223	9048
14:31	MA16000-CRIB2	4230	84978	9111
14:36	MA16000-ICSA2	3944	80438	8709
14:41	MA16000-ICSAB2	3942	80740	8696
14:46	MA16000-CCV4	4240	86019	8937
14:51	MA16000-CCB4	4203	85624	8782

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081913M1.ICP Date Analyzed: 08/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16000 Units: ug/l

Time: / Sample ID:			11:51 ICB1		12:01 CCB1		13:06 CCB2		14:05 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17								
Antimony	6.0	1.2								
Arsenic	10	1.1	anr							
Barium	500	.43	0.10	<500	0.20	<500	0.20	<500	0.10	<500
Beryllium	4.0	.17								
Boron	100	.47								
Cadmium	4.0	.14	anr							
Calcium	5000	15								
Chromium	10	.5	anr							
Cobalt	50	.15								
Copper	25	.79								
Gold	50	2.3								
Iron	100	4								
Lead	10	.76	anr							
Magnesium	5000	53								
Manganese	15	.16								
Molybdenum	100	.25								
Nickel	40	.15								
Palladium	50	2.3								
Platinum	50	5.2								
Potassium	5000	64								
Selenium	25	1.7	0.30	<25	-0.10	<25	1.0	<25	0.0	<25
Silicon	100	1.7								
Silver	5.0	.62	anr							
Sodium	5000	23								
Strontium	10	.2								
Thallium	5.0	.67								
Tin	100	.23								
Titanium	50	1.9								
Tungsten	100	7.3								
Vanadium	10	.95								
Zinc	100	.13								
Zirconium	50	2.3								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081913M1.ICP Date Analyzed: 08/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16000 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081913M1.ICP Date Analyzed: 08/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16000 Units: ug/l

Time:			14:51	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Aluminum	200	17		
Antimony	6.0	1.2		
Arsenic	10	1.1	anr	
Barium	500	.43	0.20	<500
Beryllium	4.0	.17		
Boron	100	.47		
Cadmium	4.0	.14	anr	
Calcium	5000	15		
Chromium	10	.5	anr	
Cobalt	50	.15		
Copper	25	.79		
Gold	50	2.3		
Iron	100	4		
Lead	10	.76	anr	
Magnesium	5000	53		
Manganese	15	.16		
Molybdenum	100	.25		
Nickel	40	.15		
Palladium	50	2.3		
Platinum	50	5.2		
Potassium	5000	64		
Selenium	25	1.7	0.0	<25
Silicon	100	1.7		
Silver	5.0	.62	anr	
Sodium	5000	23		
Strontium	10	.2		
Thallium	5.0	.67		
Tin	100	.23		
Titanium	50	1.9		
Tungsten	100	7.3		
Vanadium	10	.95		
Zinc	100	.13		
Zirconium	50	2.3		

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081913M1.ICP Date Analyzed: 08/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16000 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081913M1.ICP Date Analyzed: 08/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16000 Units: ug/l

Time:		11:45			11:56			13:00	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	3000	2960	98.7	2000	1930	96.5	2000	1930	96.5
Beryllium									
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Gold									
Iron									
Lead	anr								
Magnesium									
Manganese									
Molybdenum									
Nickel									
Palladium									
Platinum									
Potassium									
Selenium	3000	2900	96.7	2000	1930	96.5	2000	1910	95.5
Silicon									
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc									
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081913M1.ICP Date Analyzed: 08/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16000 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081913M1.ICP Date Analyzed: 08/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16000 Units: ug/l

Time:		14:00			14:46	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony						
Arsenic	anr					
Barium	2000	1940	97.0	2000	1930	96.5
Beryllium						
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper						
Gold						
Iron						
Lead	anr					
Magnesium						
Manganese						
Molybdenum						
Nickel						
Palladium						
Platinum						
Potassium						
Selenium	2000	1900	95.0	2000	1920	96.0
Silicon						
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc						
Zirconium						

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081913M1.ICP Date Analyzed: 08/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16000 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081913M1.ICP Date Analyzed: 08/19/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16000 Units: ug/l

Time:			12:06		14:26	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	200	200				
Antimony	6.0	10				
Arsenic	4.0	10	anr			
Barium	50	50	49.4	98.8	47.7	95.4
Beryllium	4.0	4.0				
Boron	100	100				
Cadmium	4.0	4.0	anr			
Calcium	5000	5000				
Chromium	10	10	anr			
Cobalt	50	50				
Copper	25	25				
Gold	50	50				
Iron	100	100				
Lead	5.0	10	anr			
Magnesium	5000	5000				
Manganese	15	15				
Molybdenum	100	100				
Nickel	40	40				
Palladium	50	50				
Platinum	50	50				
Potassium	5000	5000				
Selenium	10	10	10.4	104.0	9.6	96.0
Silicon	100	100				
Silver	5.0	5.0	anr			
Sodium	5000	5000				
Strontium	10	10				
Thallium	5.0	10				
Tin	100	100				
Titanium	50	50				
Tungsten	100	100				
Vanadium	10	10				
Zinc	20	20				
Zirconium	50	50				

(*) Outside of QC limits

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081913M1.ICP Date Analyzed: 08/19/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16000 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081913M1.ICP Date Analyzed: 08/19/13 Methods: SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA16000 Units: ug/l

Time:		12:11		14:31	
Sample ID:	CRIB	CRIB1		CRIB2	
Metal	True	Results	% Rec	Results	% Rec
Aluminum	200				
Antimony	6.0				
Arsenic	10				
Barium	500	508	101.6	493	98.6
Beryllium	4.0				
Boron	100				
Cadmium	4.0				
Calcium	5000				
Chromium	10				
Cobalt	50				
Copper	25				
Gold	50				
Iron	100				
Lead	10				
Magnesium	5000				
Manganese	15				
Molybdenum	100				
Nickel	40				
Palladium	50				
Platinum	50				
Potassium	5000				
Selenium	25	24.2	96.8	24.6	98.4
Silicon	100				
Silver	5.0				
Sodium	5000				
Strontium	10				
Thallium	5.0				
Tin	100				
Titanium	50				
Tungsten	100				
Vanadium	10				
Zinc	100				
Zirconium	50				

(*) Outside of QC limits

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081913M1.ICP Date Analyzed: 08/19/13 Methods: SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA16000 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081913M1.ICP Date Analyzed: 08/19/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16000 Units: ug/l

Time:			12:16		12:20		14:36		14:41	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	515000	103.0	514000	102.8	513000	102.6	515000	103.0
Antimony		2000	-1.2		1960	98.0	-0.30		1920	96.0
Arsenic		2000	-1.2		1960	98.0	-1.0		1890	94.5
Barium		500	2.0		495	99.0	1.9		498	99.6
Beryllium		500	0.0		457	91.4	0.10		457	91.4
Boron		1000	-2.3		941	94.1	-2.9		913	91.3
Cadmium		1000	0.20		976	97.6	0.0		959	95.9
Calcium	500000	500000	451000	90.2	445000	89.0	451000	90.2	448000	89.6
Chromium		500	0.10		467	93.4	0.10		466	93.2
Cobalt		500	-0.30		447	89.4	-0.30		437	87.4
Copper		500	-0.10		485	97.0	-0.50		488	97.6
Gold		500	41.6		518	103.6	44.4		513	102.6
Iron	200000	200000	183000	91.5	183000	91.5	181000	90.5	182000	91.0
Lead		1000	-1.2		851	85.1	0.40		828	82.8
Magnesium	500000	500000	496000	99.2	497000	99.4	491000	98.2	494000	98.8
Manganese		500	1.1		464	92.8	1.2		461	92.2
Molybdenum		1000	-4.3		911	91.1	-4.6		891	89.1
Nickel		1000	1.8		828	82.8	1.9		802	80.2
Palladium		500	-8.8		499	99.8	-8.0		502	100.4
Platinum		500	-1.4		480	96.0	-4.1		475	95.0
Potassium			-17		-12		26.9		18.0	
Selenium		2000	-7.2		1930	96.5	-4.0		1890	94.5
Silicon		2000	-44		2030	101.5	-43		1970	98.5
Silver		1000	0.0		1010	101.0	-0.20		1000	100.0
Sodium			-54		-56		219		227	
Strontium		1000	1.4		999	99.9	1.5		1020	102.0
Thallium		2000	-1.7		1730	86.5	-1.8		1680	84.0
Tin		1000	-1.4		917	91.7	-1.3		893	89.3
Titanium		500	8.0		487	97.4	8.0		484	96.8
Tungsten		2000	-33		1800	90.0	-41		1780	89.0
Vanadium		500	0.20		484	96.8	0.40		484	96.8
Zinc		1000	-1.0		861	86.1	-0.80		845	84.5
Zirconium		500	2.0		398	79.6*	1.8		391	78.2*

(*) Outside of QC limits

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SA081913M1.ICP Date Analyzed: 08/19/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16000 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21505
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/15/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.7	3.6		
Antimony	1.0	.12	.15		
Arsenic	1.0	.11	.21	0.040	<1.0
Barium	5.0	.043	.073	0.14	<5.0
Beryllium	0.40	.017	.024		
Boron	10	.047	.11		
Cadmium	0.40	.014	.042	0.010	<0.40
Calcium	500	1.5	6.3		
Chromium	1.0	.05	.095	0.010	<1.0
Cobalt	5.0	.015	.047		
Copper	2.5	.079	.56		
Gold	5.0	.23	.43		
Iron	10	.4	.87		
Lead	1.0	.076	.17	0.28	<1.0
Magnesium	500	5.3	5.1		
Manganese	1.5	.016	.04		
Molybdenum	10	.025	.07		
Nickel	4.0	.015	.044		
Palladium	5.0	.23	.64		
Platinum	5.0	.52	1.5		
Potassium	500	6.4	8.6		
Selenium	1.0	.17	.35	0.10	<1.0
Silicon	10	.17	3.3		
Silver	0.50	.062	.13	-0.020	<0.50
Sodium	500	2.3	3.3		
Strontium	1.0	.02	.03		
Thallium	1.0	.067	.13		
Tin	10	.023	.14		
Titanium	5.0	.19	.14		
Tungsten	10	.73	.94		
Vanadium	1.0	.095	.13		
Zinc	2.0	.013	.16		
Zirconium	5.0	.23	.088		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21505
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21505: MC23456-4, MC23456-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21505
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/15/13

Metal	MC23527-1 Original	MS	Spikelot MPICP	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	2.6	43.9	48.8	84.6	75-125
Barium	58.8	221	195	83.1	75-125
Beryllium					
Boron					
Cadmium	0.048	40.4	48.8	82.7	75-125
Calcium					
Chromium	14.4	54.9	48.8	83.0	75-125
Cobalt					
Copper					
Gold					
Iron					
Lead	5.2	81.2	97.6	77.9	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel					
Palladium					
Platinum					
Potassium					
Selenium	0.0	38.7	48.8	79.3	75-125
Silicon					
Silver	0.0	16.2	19.5	83.0	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc					
Zirconium					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21505
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21505: MC23456-4, MC23456-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21505
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/15/13

Metal	MC23527-1 Original	MSD	Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	2.6	43.9	48.8	84.6	0.0	20
Barium	58.8	222	195	83.6	0.5	20
Beryllium						
Boron						
Cadmium	0.048	40.7	48.8	83.3	0.7	20
Calcium						
Chromium	14.4	55.8	48.8	84.8	1.6	20
Cobalt						
Copper						
Gold						
Iron						
Lead	5.2	81.3	97.6	78.0	0.1	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Palladium						
Platinum						
Potassium						
Selenium	0.0	38.8	48.8	79.5	0.3	20
Silicon						
Silver	0.0	16.3	19.5	83.5	0.6	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc						
Zirconium						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21505
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21505: MC23456-4, MC23456-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21505
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			08/15/13					08/15/13	
Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum									
Antimony									
Arsenic	50.4	50	100.8	80-120	49.8	50	99.6	1.2	20
Barium	194	200	97.0	80-120	186	200	93.0	4.2	20
Beryllium									
Boron									
Cadmium	48.9	50	97.8	80-120	47.6	50	95.2	2.7	20
Calcium									
Chromium	48.4	50	96.8	80-120	48.3	50	96.6	0.2	20
Cobalt									
Copper									
Gold									
Iron									
Lead	94.6	100	94.6	80-120	93.1	100	93.1	1.6	20
Magnesium									
Manganese									
Molybdenum									
Nickel									
Palladium									
Platinum									
Potassium									
Selenium	47.7	50	95.4	80-120	47.1	50	94.2	1.3	20
Silicon									
Silver	18.9	20	94.5	80-120	19.0	20	95.0	0.5	20
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc									
Zirconium									

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21505
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21505: MC23456-4, MC23456-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21505
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/15/13

Metal	LCS Result	Spikelot MPLCS78	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	87.4	94.5	92.5	82-117
Barium	152	166	91.6	83-116
Beryllium				
Boron				
Cadmium	57.8	59.9	96.5	84-116
Calcium				
Chromium	67.2	69.3	97.0	81-119
Cobalt				
Copper				
Gold				
Iron				
Lead	83.1	91.7	90.6	82-118
Magnesium				
Manganese				
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium	149	159	93.7	79-121
Silicon				
Silver	32.1	33.9	94.7	66-134
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				
Zirconium				

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21505
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21505: MC23456-4, MC23456-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21505
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/15/13

Metal	MC23527-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	27.2	30.8	13.2 (a)	0-10
Barium	608	705	15.9 (b)	0-10
Beryllium				
Boron				
Cadmium	0.500	0.00	100.0(a)	0-10
Calcium				
Chromium	148	169	13.7 (b)	0-10
Cobalt				
Copper				
Gold				
Iron				
Lead	53.5	65.8	23.0 (b)	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				
Zirconium				

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21505
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Associated samples MP21505: MC23456-4, MC23456-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21506
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 08/15/13

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0087	.0097	0.0028	<0.033

Associated samples MP21506: MC23456-4, MC23456-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21506
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 08/15/13

Metal	MC23416-2 Original	MS	Spikelot HGRWS1	% Rec	QC Limits
Mercury	0.37	0.89	0.519	100.3	80-120

Associated samples MP21506: MC23456-4, MC23456-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21506 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/15/13

Metal	MC23416-2 Original	MSD	Spikelot HGRWS1	% Rec	MSD RPD	QC Limit
Mercury	0.37	0.91	0.519	104.1	2.2	20

Associated samples MP21506: MC23456-4, MC23456-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21506
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:			08/15/13					08/15/13	
Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	0.53	0.5	106.0	80-120	0.52	0.5	104.0	1.9	30

Associated samples MP21506: MC23456-4, MC23456-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21506
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 08/15/13

Metal	LCS Result	Spikelot HGLCS78	% Rec	QC Limits
Mercury	4.5	4.05	111.1	72-128

Associated samples MP21506: MC23456-4, MC23456-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

New England ACCUTEST LABORATORIES

Metals Analysis

Raw Data

06:30:52 19 Aug 2013 Folder: #HG5 **PUBLIC FOLDER ** Page 1
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 611	13:22:07 16 Aug 13	HG		
Hg	.000	ppb	-3					
*** Standard: 2 Rep: 1				Seq: 612	13:24:33 16 Aug 13	HG		
Hg	.200	ppb	1607					
*** Standard: 3 Rep: 1				Seq: 613	13:26:55 16 Aug 13	HG		
Hg	.500	ppb	3767					
*** Standard: 4 Rep: 1				Seq: 614	13:29:21 16 Aug 13	HG		
Hg	1.00	ppb	7144					
*** Standard: 5 Rep: 1				Seq: 615	13:31:45 16 Aug 13	HG		
Hg	2.00	ppb	14614					
*** Standard: 6 Rep: 1				Seq: 616	13:34:07 16 Aug 13	HG		
Hg	3.00	ppb	22648					
*** Standard: 7 Rep: 1				Seq: 617	13:37:15 16 Aug 13	HG		
Hg	4.00	ppb	31551					
*** Standard: 8 Rep: 1				Seq: 618	13:39:38 16 Aug 13	HG		
Hg	5.00	ppb	37458					
*** Standard: 9 Rep: 1				Seq: 619	13:42:02 16 Aug 13	HG		
Hg	6.00	ppb	46121					
*** Sample ID: ICV			H1081613S1	Seq: 620	13:46:29 16 Aug 13	HG		
Hg	4.16	ppb	.000	4.16				
*** Sample ID: ICB			H1081613S1	Seq: 621	13:49:12 16 Aug 13	HG		
Hg	.060	ppb	.000	.060				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCV			H1081613S1 Seq: 622	13:51:34 16 Aug 13	HG			
Hg	2.99	ppb	.000	2.99				
*** Sample ID: CCB			H1081613S1 Seq: 623	13:54:01 16 Aug 13	HG			
Hg	.034	ppb	.000	.034				
*** Sample ID: CRI			H1081613S1 Seq: 624	13:56:24 16 Aug 13	HG			
Hg	.243	ppb	.000	.243				
*** Sample ID: MP21506MB1			H1081613S1 Seq: 625	13:59:42 16 Aug 13	HG			
Hg	.017	ppb	.000	.017				
*** Sample ID: MP21506-B1			H1081613S1 Seq: 626	14:02:06 16 Aug 13	HG			
Hg	3.20	ppb	.000	3.20				
*** Sample ID: MP21506-B2			H1081613S1 Seq: 627	14:05:39 16 Aug 13	HG			
Hg	3.12	ppb	.000	3.12				
*** Sample ID: MP21506-S1			H1081613S1 Seq: 628	14:08:51 16 Aug 13	HG			
			MC23416-2					
Hg	5.17	ppb	.000	5.17				
*** Sample ID: MP21506-S2			H1081613S1 Seq: 629	14:11:16 16 Aug 13	HG			
			MC23416-2					
Hg	5.28	ppb	.000	5.28				
*** Sample ID: MC23416-2			H1081613S1 Seq: 630	14:14:40 16 Aug 13	HG			
Hg	2.12	ppb	.000	2.12				
*** Sample ID: MP21506LC1			H1081613S1 Seq: 631	14:17:03 16 Aug 13	HG			
				Wgt 1.0000 Vol 10.000				
Hg	27.0	ppb	.000	27.0				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC23416-3 H1081613S1 Seq: 632 14:19:24 16 Aug 13 HG								
Hg	.216	ppb	.000	.216				
*** Sample ID: MC23451-1 H1081613S1 Seq: 633 14:21:55 16 Aug 13 HG								
Hg	.061	ppb	.000	.061				
*** Sample ID: CCV H1081613S1 Seq: 634 14:24:19 16 Aug 13 HG								
Hg	2.94	ppb	.000	2.94				
*** Sample ID: CCB H1081613S1 Seq: 635 14:26:50 16 Aug 13 HG								
Hg	.001	ppb	.000	.001				
*** Sample ID: MC23456-4 H1081613S1 Seq: 636 14:29:22 16 Aug 13 HG								
Hg	3.32	ppb	.000	3.32				
*** Sample ID: MC23456-5 H1081613S1 Seq: 637 14:31:57 16 Aug 13 HG								
Hg	.794	ppb	.000	.794				
*** Sample ID: MC23495-1 H1081613S1 Seq: 638 14:34:20 16 Aug 13 HG								
Hg	1.64	ppb	.000	1.64				
*** Sample ID: MC23527-1 H1081613S1 Seq: 639 14:36:45 16 Aug 13 HG								
Hg	.050	ppb	.000	.050				
*** Sample ID: MC23527-2 H1081613S1 Seq: 640 14:39:22 16 Aug 13 HG								
Hg	.039	ppb	.000	.039				
*** Sample ID: MC23527-3 H1081613S1 Seq: 641 14:41:49 16 Aug 13 HG								
Hg	.153	ppb	.000	.153				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC23529-1 H1081613S1 Seq: 642 14:44:11 16 Aug 13 HG								
Hg	.116	ppb	.000	.116				
*** Sample ID: MC23529-2 H1081613S1 Seq: 643 14:46:42 16 Aug 13 HG								
Hg	.143	ppb	.000	.143				
*** Sample ID: MC23529-3 H1081613S1 Seq: 644 14:49:14 16 Aug 13 HG								
Hg	.081	ppb	.000	.081				
*** Sample ID: MC23529-4 H1081613S1 Seq: 645 14:51:39 16 Aug 13 HG								
Hg	.109	ppb	.000	.109				
*** Sample ID: CCV H1081613S1 Seq: 646 14:54:11 16 Aug 13 HG								
Hg	3.05	ppb	.000	3.05				
*** Sample ID: CCB H1081613S1 Seq: 647 14:56:33 16 Aug 13 HG								
Hg	.016	ppb	.000	.016				
*** Sample ID: MC23529-5 H1081613S1 Seq: 648 14:59:15 16 Aug 13 HG								
Hg	.065	ppb	.000	.065				
*** Sample ID: CRI H1081613S1 Seq: 649 15:01:40 16 Aug 13 HG								
Hg	.235	ppb	.000	.235				
*** Sample ID: CCV H1081613S1 Seq: 650 15:04:03 16 Aug 13 HG								
Hg	2.85	ppb	.000	2.85				
*** Sample ID: CCB H1081613S1 Seq: 651 15:06:30 16 Aug 13 HG								
Hg	.000	ppb	.000	.000				

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 8/16/2013 16:11:09 Type: Cal
Method: Accutest -SS1(v24) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0022**	**.0008**	**.0000**	**.0000**	**.0020**	**.0116**	**.0003**	**.0072**	**.0018**
Stddev	.0001	.0000	.0001	.000	.0001	.0009	.0000	.0002	.0002
%RSD	4.181	6.545	166.6	272.7	5.029	7.373	11.33	2.399	10.37
#1	-.0022	.0007	.0001	.0000	.0019	.0110	.0004	.0071	.0017
#2	-.0021	.0008	.0000	.0000	.0021	.0123	.0003	.0074	.0019

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0004**	**.0000**	**.0087**	**.0006**	**.0002**	**.0001**	**.0003**	**.0000**	**.0459**
Stddev	.0002	.0000	.0001	.0000	.0013	.0000	.0000	.000	.0017
%RSD	45.86	60.75	1.630	.1918	604.3	41.42	3.724	263.3	3.652
#1	-.0003	.0000	.0086	.0006	.0012	.0001	.0003	.0000	.0470
#2	-.0006	.0001	.0088	.0006	-.0007	.0001	.0003	-.0001	.0447

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0004**	**-.0004**	**.0004**	**.0001**	**.0005**	**.0002**	**.0111**	**-.0002**	**.0066**
Stddev	.0001	.0001	.0000	.0000	.0000	.0000	.0001	.0000	.0006
%RSD	20.64	16.97	12.05	27.72	6.289	10.94	.6054	18.81	9.495
#1	-.0005	-.0004	.0003	.0001	.0005	.0002	.0110	-.0003	.0061
#2	-.0004	-.0005	.0004	.0001	.0005	.0003	.0111	-.0002	.0070

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**-.0007**	**.0001**	**.0000**	**.0008**	**.0128**
Stddev	.0000	.0001	.0000	.0000	.0000	.0002
%RSD	15.15	10.06	5.741	61.55	2.139	1.218
#1	-.0002	-.0007	.0001	.0000	.0008	.0126
#2	-.0002	-.0006	.0001	.0001	.0007	.0129

◀ Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 8/16/2013 16:11:09 Type: Cal
Method: Accutest -SS1(v24) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**3967.5**	**89599.**	**9849.2**
Stddev	6.5	652.	18.9
%RSD	.16484	.72765	.19183
#1	3972.1	90060.	9862.6
#2	3962.8	89138.	9835.9

◀ Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 8/16/2013 16:16:04 Type: Cal
Method: Accutest -SS1(v24) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1440**	**.5518**	**2.221**	**13.97**	**19.12**	**11.06**	**8.693**	**.6334**	**1.896**
Stddev	.0005	.0015	.004	.11	.08	.03	.015	.0011	.009
%RSD	.3411	.2738	.1672	.7658	.4186	.2377	.1750	.1811	.5025
#1	.1443	.5529	2.224	13.89	19.07	11.08	8.704	.6342	1.903
#2	.1436	.5507	2.218	14.05	19.18	11.04	8.683	.6326	1.889

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.163**	**4.614**	**5.790**	**1.398**	**.7549**	**.3930**	**.8062**	**9.517**
Stddev	.039	.006	.010	.003	.0024	.0009	.0015	.017
%RSD	.9391	.1258	.1693	.1876	.3192	.2386	.1868	.1830
#1	4.135	4.610	5.797	1.400	.7566	.3937	.8072	9.529
#2	4.190	4.618	5.784	1.396	.7532	.3923	.8051	9.505

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**3943.9**	**89684.**	**9994.6**
Stddev	4.8	223.	30.6
%RSD	.12136	.24852	.30630
#1	3940.5	89526.	10016.
#2	3947.3	89841.	9972.9

◀ Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 8/16/2013 16:20:57 Type: Cal
Method: Accutest -SS1(v24) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.101**	**2.305**	**1.346**	**.8651**	**.1855**	**3.078**
Stddev	.002	.003	.004	.0001	.0005	.010
%RSD	.1361	.1188	.3039	.0093	.2528	.3384
#1	1.102	2.307	1.349	.8652	.1851	3.085
#2	1.100	2.303	1.343	.8650	.1858	3.071

Int. Std.	Y_3710
Units	Cts/S
Avg	**9862.4**
Stddev	14.7
%RSD	.14896
#1	9872.8
#2	9852.0

Zoom In Zoom Out

Sample Name: Std4 Acquired: 8/16/2013 16:25:51 Type: Cal
Method: Accutest -SS1(v24) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	Si2124	Sn1899	Sr4077	Ti3349	V_2924	W_2397
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1777**	**.3126**	**.0632**	**1.342**	**1.717**	**29.36**	**1.518**	**.6936**	**.0638**
Stddev	.0005	.0003	.0001	.002	.001	.53	.003	.0014	.0002
%RSD	.3075	.1056	.1231	.1462	.0403	1.809	.2262	.2061	.2433
#1	.1781	.3128	.0633	1.343	1.717	28.98	1.520	.6946	.0639
#2	.1773	.3124	.0632	1.340	1.716	29.74	1.515	.6926	.0636

Elem	Zr3391
Units	Cts/S
Avg	**1.336**
Stddev	.001
%RSD	.0383
#1	1.337
#2	1.336

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4060.9**	**91244.**	**10040.**
Stddev	.3	20.	37.
%RSD	.00700	.02220	.37021
#1	4060.7	91258.	10014.
#2	4061.1	91229.	10066.

Zoom In Zoom Out

Sample Name: ICV Acquired: 8/16/2013 16:30:47 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.5049**	**15.64**	**2.974**	**3.033**	**2.991**	**3.078**	**3.010**	**18.04**	**2.904**
Stddev	.0003	.00	.001	.013	.001	.006	.008	.00	.007
%RSD	.0693	.0134	.0267	.4370	.0317	.2026	.2568	.0250	.2582
#1	.5051	15.64	2.974	3.042	2.991	3.082	3.015	18.04	2.909
#2	.5046	15.64	2.973	3.023	2.992	3.073	3.004	18.03	2.898

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.920**	**3.015**	**2.908**	**18.39**	**15.50**	**18.35**	**2.963**	**2.826**	**15.30**
Stddev	.005	.006	.006	.03	.02	.00	.002	.002	.00
%RSD	.1675	.2032	.2096	.1446	.1398	.0247	.0786	.0658	.0114
#1	2.923	3.020	2.913	18.37	15.49	18.35	2.965	2.824	15.30
#2	2.916	3.011	2.904	18.41	15.52	18.36	2.962	2.827	15.30

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**2.833**	**2.881**	**3.033**	**3.029**	**2.887**	**2.907**	**3.016**	**3.098**	**3.162**
Stddev	.001	.004	.005	.016	.002	.004	.001	.007	.003
%RSD	.0478	.1244	.1812	.5413	.0546	.1485	.0308	.2288	.0806
#1	2.832	2.884	3.037	3.041	2.888	2.910	3.016	3.103	3.163
#2	2.834	2.879	3.029	3.018	2.886	2.904	3.015	3.093	3.160

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**3.058**	**2.871**	**3.022**	**2.988**	**2.833**	**3.155**
Stddev	.001	.004	.007	.000	.009	.000
%RSD	.0303	.1230	.2432	.0096	.3302	.0134
#1	3.057	2.869	3.027	2.989	2.839	3.155
#2	3.059	2.874	3.016	2.988	2.826	3.156

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3955.5**	**88687.**	**9812.4**
Stddev	3.7	307.	45.6
%RSD	.09271	.34619	.46510
#1	3952.9	88470.	9844.7
#2	3958.1	88904.	9780.1

Zoom In Zoom Out

Sample Name: ICB Acquired: 8/16/2013 16:39:40 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**-.0149**	**.0005**	**.0007**	**.0008**	**.0001**	**.0000**	**-.0050**	**.0002**
Stddev	.0004	.0012	.0003	.0012	.0001	.0003	.0001	.0017	.0000
%RSD	221.8	7.764	52.89	165.0	9.621	323.8	778.2	34.47	27.53
#1	.0001	-.0157	.0003	-.0001	.0008	-.0001	.0001	-.0062	.0002
#2	-.0004	-.0140	.0007	.0016	.0009	.0003	-.0001	-.0038	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**-.0003**	**.0004**	**-.0094**	**.0006**	**-.0149**	**-.0001**	**.0017**	**-.0441**
Stddev	.0001	.0001	.0000	.0004	.0129	.0224	.0000	.0001	.0104
%RSD	35.31	23.64	1.889	4.461	2118.	149.8	55.34	6.386	23.52
#1	.0002	-.0003	.0004	-.0097	-.0085	-.0307	-.0001	.0018	-.0514
#2	.0003	-.0002	.0004	-.0091	.0097	.0009	.0000	.0017	-.0367

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0002**	**.0009**	**-.0010**	**.0022**	**-.0004**	**.0003**	**.0006**	**.0005**	**.0000**
Stddev	.0001	.0002	.0003	.0016	.0002	.0007	.0003	.0002	.0000
%RSD	48.18	15.93	27.53	73.58	48.00	232.9	56.89	42.62	29.78
#1	.0001	.0011	-.0012	.0010	-.0006	-.0002	.0003	.0006	.0001
#2	.0002	.0008	-.0008	.0033	-.0003	.0008	.0008	.0003	.0000

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0002**	**.0007**	**.0000**	**.0077**	**.0002**	**.0010**
Stddev	.0003	.0001	.0003	.0030	.0001	.0012
%RSD	114.7	9.949	686.0	39.42	39.52	129.4
#1	-.0004	.0007	-.0002	.0098	.0001	.0018
#2	.0000	.0006	.0002	.0055	.0002	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3936.2**	**89437.**	**9802.5**
Stddev	19.2	1837.	350.3
%RSD	.48769	2.0541	3.5731
#1	3949.8	88138.	10050.
#2	3922.6	90736.	9554.8

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/16/2013 16:44:36 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2415**	**9.828**	**1.928**	**.0046**	**1.925**	**1.942**	**1.951**	**9.880**	**1.923**
Stddev	.0004	.023	.004	.0005	.002	.004	.005	.033	.000
%RSD	.1555	.2333	.1922	10.93	.1002	.2142	.2455	.3300	.0014
#1	.2412	9.812	1.925	.0043	1.924	1.945	1.948	9.857	1.923
#2	.2418	9.844	1.931	.0050	1.926	1.939	1.955	9.903	1.923

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.002**	**1.930**	**1.898**	**9.892**	**9.920**	**9.766**	**1.959**	**1.918**	**9.839**
Stddev	.001	.003	.001	.003	.034	.021	.005	.006	.029
%RSD	.0568	.1764	.0593	.0300	.3387	.2141	.2727	.2933	.2995
#1	2.001	1.927	1.897	9.894	9.944	9.751	1.956	1.914	9.819
#2	2.003	1.932	1.899	9.890	9.897	9.781	1.963	1.922	9.860

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**1.907**	**1.902**	**.0016**	**.0020**	**1.925**	**1.926**	**-.0383**	**1.970**	**2.017**
Stddev	.003	.004	.0013	.0040	.003	.000	.0001	.004	.005
%RSD	.1726	.2025	81.14	201.4	.1304	.0149	.1771	.1930	.2486
#1	1.905	1.899	.0025	.0049	1.923	1.926	-.0382	1.967	2.014
#2	1.909	1.904	.0007	-.0008	1.927	1.926	-.0383	1.972	2.021

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.965**	**1.911**	**1.971**	**.0031**	**1.913**	**.0485**
Stddev	.001	.008	.001	.0002	.002	.0085
%RSD	.0494	.4055	.0514	5.506	.1260	17.59
#1	1.965	1.905	1.970	.0030	1.911	.0545
#2	1.966	1.916	1.971	.0032	1.914	.0424

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4000.6**	**90718.**	**10010.**
Stddev	2.6	171.	28.
%RSD	.06424	.18815	.28368
#1	4002.4	90597.	10030.
#2	3998.8	90839.	9990.0

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/16/2013 16:50:51 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.0072**	**.0011**	**.0010**	**.0007**	**-.0003**	**.0000**	**-.0051**	**.0002**
Stddev	.0003	.0013	.0006	.0013	.0002	.0001	.0000	.0003	.0001
%RSD	554.8	18.30	53.85	123.7	28.06	27.50	375.5	6.550	49.84
#1	.0002	.0081	.0007	.0019	.0009	-.0003	.0000	-.0049	.0001
#2	-.0001	.0063	.0015	.0001	.0006	-.0004	.0000	-.0053	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0003**	**-.0001**	**.0000**	**-.0055**	**-.0065**	**-.0289**	**-.0001**	**.0021**	**-.0591**
Stddev	.0002	.0002	.000	.0017	.0211	.0301	.0001	.0002	.0011
%RSD	60.34	323.5	1210.	31.26	324.1	103.9	111.6	9.650	1.913
#1	.0002	-.0002	.0001	-.0067	.0084	-.0502	-.0001	.0022	-.0583
#2	.0004	.0001	-.0001	-.0042	-.0215	-.0077	.0000	.0019	-.0599

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0001**	**.0003**	**-.0001**	**-.0013**	**.0002**	**.0003**	**-.0071**	**.0003**	**.0000**
Stddev	.0001	.0000	.0008	.0015	.0000	.0009	.0001	.0001	.000
%RSD	43.00	14.46	711.1	117.0	7.833	282.5	1.630	37.24	14.25
#1	.0001	.0003	-.0007	-.0024	.0002	-.0003	-.0071	.0002	.0000
#2	.0002	.0004	.0004	-.0002	.0002	.0010	-.0072	.0003	.0000

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0001**	**.0006**	**-.0003**	**.0040**	**.0000**	**-.0007**
Stddev	.0000	.0002	.0008	.0017	.0000	.0010
%RSD	24.35	30.05	254.5	41.99	28.14	139.7
#1	-.0001	.0008	.0003	.0052	.0000	.0000
#2	-.0001	.0005	-.0009	.0028	.0000	-.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3943.9**	**89816.**	**10096.**
Stddev	24.5	1601.	117.
%RSD	.62151	1.7829	1.1567
#1	3961.2	88683.	10013.
#2	3926.6	90948.	10178.

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/16/2013 16:55:47 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0048**	**.1804**	**.0041**	**.0014**	**.1003**	**.0491**	**.0040**	**4.874**	**.0042**
Stddev	.0000	.0012	.0005	.0008	.0004	.0005	.0000	.010	.0000
%RSD	.0262	.6498	12.48	53.42	.4326	.9823	.5709	.2133	.2440
#1	.0048	.1795	.0038	.0009	.1006	.0494	.0040	4.882	.0042
#2	.0048	.1812	.0045	.0020	.1000	.0487	.0040	4.867	.0042

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0520**	**.0097**	**.0237**	**.1012**	**4.987**	**4.903**	**.0152**	**.1015**	**4.959**
Stddev	.0001	.0001	.0002	.0011	.008	.080	.0001	.0002	.019
%RSD	.1306	1.055	.7530	1.044	.1673	1.628	.3998	.1991	.3771
#1	.0519	.0097	.0235	.1005	4.993	4.959	.0152	.1014	4.972
#2	.0520	.0096	.0238	.1020	4.981	4.846	.0152	.1017	4.946

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0404**	**.0054**	**.0002**	**.0065**	**.0060**	**.0100**	**-.0065**	**.1015**	**.0101**
Stddev	.0000	.0003	.0010	.0016	.0001	.0004	.0003	.0000	.0000
%RSD	.0590	6.190	413.0	24.99	1.180	3.872	5.306	.0390	.3474
#1	.0405	.0057	.0009	.0054	.0060	.0103	-.0068	.1014	.0101
#2	.0404	.0052	-.0005	.0077	.0061	.0097	-.0063	.1015	.0101

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0508**	**.0052**	**.0104**	**.0013**	**.0202**	**-.0004**
Stddev	.0005	.0003	.0000	.0002	.0001	.0006
%RSD	1.041	5.407	.3295	14.38	.6843	156.5
#1	.0505	.0054	.0104	.0014	.0201	-.0008
#2	.0512	.0050	.0103	.0012	.0203	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3955.4**	**89813.**	**9887.9**
Stddev	3.6	613.	13.9
%RSD	.09065	.68230	.14067
#1	3952.8	90246.	9878.1
#2	3957.9	89379.	9897.8

Zoom In Zoom Out

Sample Name: ICSA Acquired: 8/16/2013 17:00:38 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**510.4**	**.0000**	**.0422**	**.0011**	**.0020**	**.0002**	**448.0**	**.0004**
Stddev	.0002	6.7	.0006	.0003	.0002	.0001	.0001	1.1	.0000
%RSD	117.8	1.306	5479.	.6946	21.70	5.401	31.83	.2395	10.56
#1	.0000	515.1	-.0004	.0424	.0009	.0021	.0001	448.7	.0004
#2	-.0004	505.7	.0005	.0420	.0012	.0019	.0002	447.2	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0002**	**-.0006**	**185.6**	**-.0108**	**498.4**	**.0010**	**-.0022**	**-.0304**
Stddev	.000	.0001	.0007	1.2	.0137	3.4	.0001	.0001	.0000
%RSD	1959.	84.35	119.7	.6420	127.5	.6772	8.408	2.461	.0520
#1	-.0001	.0001	-.0001	184.8	-.0204	496.0	.0010	-.0022	-.0304
#2	.0001	.0003	-.0010	186.4	-.0011	500.8	.0009	-.0023	-.0304

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0018**	**-.0011**	**-.0061**	**-.0014**	**-.0007**	**-.0038**	**.0258**	**-.0010**	**.0012**
Stddev	.0001	.0001	.0016	.0023	.0010	.0003	.0003	.0002	.0000
%RSD	4.122	5.737	25.55	156.7	137.6	7.984	1.162	15.52	2.618
#1	.0017	-.0011	-.0072	-.0030	.0000	-.0040	.0256	-.0012	.0012
#2	.0018	-.0010	-.0050	.0002	-.0015	-.0035	.0260	-.0009	.0013

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0077**	**-.0005**	**-.0001**	**-.0072**	**-.0011**	**.0017**
Stddev	.0001	.0005	.0001	.0007	.0001	.0002
%RSD	1.166	108.6	55.42	9.621	10.65	12.23
#1	.0077	-.0001	-.0002	-.0067	-.0011	.0016
#2	.0078	-.0008	-.0001	-.0077	-.0010	.0019

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3597.2**	**83942.**	**9600.9**
Stddev	8.2	16.	8.5
%RSD	.22724	.01869	.08823
#1	3603.0	83953.	9595.0
#2	3591.4	83931.	9606.9

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 8/16/2013 17:05:34 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**1.031**	**526.3**	**1.987**	**.5369**	**.9617**	**.5187**	**.4717**	**454.3**	**.9959**
Stddev	.063	17.4	.006	.0324	.0019	.0167	.0143	5.1	.0012
%RSD	6.095	3.313	.2847	6.038	.1928	3.221	3.022	1.115	.1226
#1	.9864	514.0	1.983	.5140	.9604	.5068	.4616	450.8	.9968
#2	1.075	538.7	1.991	.5598	.9631	.5305	.4817	457.9	.9950

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4554**	**.4775**	**.4988**	**191.0**	**-.0081**	**511.0**	**.4747**	**.9282**	**-.0389**
Stddev	.0004	.0309	.0308	6.0	.0259	15.5	.0314	.0019	.0052
%RSD	.0892	6.480	6.181	3.131	320.1	3.034	6.608	.2057	13.44
#1	.4556	.4557	.4770	186.8	-.0264	500.0	.4525	.9269	-.0352
#2	.4551	.4994	.5206	195.3	.0102	521.9	.4969	.9296	-.0426

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.8385**	**.8629**	**.5124**	**.4982**	**2.005**	**1.969**	**2.134**	**.9421**	**1.028**
Stddev	.0016	.0027	.0305	.0338	.003	.003	.003	.0019	.032
%RSD	.1926	.3163	5.956	6.780	.1323	.1258	.1600	.1998	3.065
#1	.8374	.8610	.4908	.4743	2.004	1.968	2.131	.9407	1.006
#2	.8397	.8649	.5339	.5221	2.007	1.971	2.136	.9434	1.050

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5073**	**1.755**	**.5044**	**1.879**	**.8685**	**.4163**
Stddev	.0322	.004	.0330	.120	.0020	.0334
%RSD	6.341	.2252	6.541	6.359	.2265	8.019
#1	.4846	1.753	.4811	1.795	.8699	.3927
#2	.5300	1.758	.5277	1.964	.8671	.4399

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3623.1**	**83388.**	**9461.5**
Stddev	1.4	4700.	251.2
%RSD	.03776	5.6365	2.6552
#1	3624.1	86712.	9639.1
#2	3622.2	80065.	9283.9

Zoom In Zoom Out

Sample Name: MP21515-B1 Acquired: 8/16/2013 17:10:22 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2002**	**2.071**	**.5305**	**.0019**	**.0014**	**1.990**	**.5065**	**24.48**	**.5044**
Stddev	.0004	.011	.0012	.0002	.0003	.000	.0001	.01	.0014
%RSD	.1840	.5309	.2239	9.765	21.14	.0045	.0112	.0354	.2731
#1	.1999	2.079	.5297	.0018	.0012	1.990	.5066	24.48	.5034
#2	.2004	2.064	.5313	.0021	.0017	1.990	.5065	24.47	.5053

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5079**	**.5076**	**.4789**	**2.024**	**25.23**	**25.10**	**.4892**	**.0021**	**25.08**
Stddev	.0020	.0008	.0000	.009	.00	.06	.0005	.0001	.03
%RSD	.3892	.1590	.0002	.4371	.0105	.2195	.0970	5.838	.1155
#1	.5065	.5071	.4789	2.018	25.23	25.06	.4895	.0021	25.10
#2	.5093	.5082	.4789	2.030	25.24	25.13	.4889	.0020	25.06

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.4878**	**.9805**	**-.0020**	**.0038**	**.5021**	**.5011**	**.0179**	**-.0006**	**.5045**
Stddev	.0011	.0013	.0009	.0001	.0005	.0008	.0009	.0004	.0007
%RSD	.2289	.1345	45.47	3.521	.1041	.1598	5.161	62.69	.1355
#1	.4870	.9796	-.0026	.0037	.5025	.5016	.0172	-.0009	.5050
#2	.4886	.9814	-.0014	.0039	.5018	.5005	.0185	-.0003	.5041

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4984**	**.4941**	**.5214**	**.0104**	**.5055**	**.0423**
Stddev	.0001	.0012	.0007	.0008	.0032	.0038
%RSD	.0241	.2406	.1285	7.620	.6389	9.064
#1	.4983	.4932	.5219	.0109	.5032	.0450
#2	.4985	.4949	.5209	.0098	.5078	.0396

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3912.6**	**89785.**	**10044.**
Stddev	15.9	35.	51.
%RSD	.40608	.03862	.50402
#1	3923.9	89761.	10080.
#2	3901.4	89810.	10008.

Zoom In Zoom Out

Sample Name: MP21515-MB1 Acquired: 8/16/2013 17:15:06 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**-.0087**	**.0006**	**.0005**	**-.0005**	**.0000**	**-.0001**	**-.0223**	**.0002**
Stddev	.0003	.0000	.0004	.0008	.0001	.000	.0000	.0008	.0000
%RSD	146.2	.4442	64.27	152.1	9.326	1728.	7.043	3.796	14.45
#1	.0000	-.0087	.0009	.0011	-.0006	.0001	-.0001	-.0229	.0002
#2	-.0004	-.0087	.0003	.0000	-.0005	-.0002	-.0001	-.0217	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**-.0001**	**-.0001**	**-.0021**	**.0104**	**-.0003**	**.0000**	**.0004**	**-.0238**
Stddev	.000	.0001	.0003	.0017	.0392	.0167	.000	.0000	.0009
%RSD	382.1	86.58	281.1	80.34	375.3	5771.	396.5	3.181	3.867
#1	.0000	.0000	-.0003	-.0009	-.0173	-.0121	-.0001	.0004	-.0231
#2	.0000	-.0001	.0001	-.0033	.0382	.0115	.0000	.0004	-.0244

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0000**	**.0011**	**-.0007**	**.0001**	**-.0001**	**.0009**	**.0230**	**.0000**	**.0000**
Stddev	.0001	.0003	.0019	.0023	.0003	.0009	.0004	.000	.000
%RSD	280.2	32.09	261.7	2730.	498.2	103.1	1.882	157.5	230.9
#1	.0000	.0013	.0006	-.0015	.0001	.0002	.0227	-.0001	.0000
#2	.0001	.0008	-.0020	.0017	-.0002	.0015	.0233	.0000	-.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0003**	**.0000**	**.0000**	**.0074**	**.0001**	**-.0004**
Stddev	.0002	.0001	.0003	.0009	.0001	.0005
%RSD	66.69	251.9	614.7	12.45	81.61	130.7
#1	-.0001	.0000	.0002	.0080	.0000	-.0007
#2	-.0004	.0001	-.0001	.0067	.0001	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3907.8**	**89958.**	**9753.9**
Stddev	.3	653.	133.6
%RSD	.00781	.72565	1.3693
#1	3908.1	90420.	9659.5
#2	3907.6	89496.	9848.4

Zoom In Zoom Out

Sample Name: MP21515-S1 Acquired: 8/16/2013 17:20:01 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.1984**	**2.121**	**.5391**	**.0012**	**.0135**	**2.033**	**.5116**	**31.02**	**.5160**
Stddev	.0010	.006	.0002	.0000	.0001	.002	.0012	.09	.0015
%RSD	.4868	.2951	.0426	1.146	.8675	.1130	.2351	.2917	.2822
#1	.1977	2.125	.5389	.0012	.0134	2.034	.5107	30.96	.5150
#2	.1990	2.116	.5392	.0012	.0136	2.031	.5124	31.09	.5171

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5199**	**.5133**	**.4776**	**2.781**	**26.35**	**26.86**	**.5142**	**.0001**	**30.00**
Stddev	.0018	.0007	.0004	.015	.04	.17	.0000	.0002	.03
%RSD	.3422	.1357	.0907	.5350	.1564	.6294	.0047	114.2	.1161
#1	.5186	.5129	.4779	2.770	26.38	26.74	.5142	.0002	29.97
#2	.5211	.5138	.4773	2.792	26.32	26.98	.5142	.0000	30.02

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.4941**	**.9897**	**-.0007**	**.0024**	**.5145**	**.5097**	**6.934**	**-.0012**	**.5784**
Stddev	.0011	.0016	.0004	.0016	.0005	.0026	.008	.0001	.0012
%RSD	.2284	.1652	53.05	64.04	.0971	.5053	.1176	4.748	.2017
#1	.4933	.9885	-.0010	.0035	.5148	.5079	6.929	-.0012	.5776
#2	.4949	.9909	-.0005	.0013	.5141	.5115	6.940	-.0013	.5792

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5069**	**.4987**	**.5265**	**.0050**	**.5195**	**-.0303**
Stddev	.0002	.0027	.0015	.0045	.0019	.0007
%RSD	.0484	.5395	.2875	89.85	.3727	2.148
#1	.5067	.4968	.5255	.0082	.5181	-.0298
#2	.5071	.5006	.5276	.0018	.5208	-.0307

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3828.8**	**89529.**	**9841.4**
Stddev	2.8	101.	14.2
%RSD	.07297	.11274	.14458
#1	3830.8	89458.	9851.5
#2	3826.9	89601.	9831.4

Zoom In Zoom Out

Sample Name: MP21515-S2 Acquired: 8/16/2013 17:24:47 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2006**	**2.124**	**.5443**	**.0008**	**.0136**	**2.024**	**.5109**	**31.21**	**.5218**
Stddev	.0005	.005	.0007	.0000	.0000	.009	.0003	.01	.0011
%RSD	.2698	.2321	.1295	5.231	.2461	.4394	.0515	.0300	.2110
#1	.2010	2.120	.5438	.0008	.0137	2.017	.5107	31.21	.5210
#2	.2002	2.127	.5448	.0008	.0136	2.030	.5111	31.20	.5226

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5245**	**.5179**	**.4811**	**2.778**	**26.33**	**27.05**	**.5200**	**.0001**	**30.22**
Stddev	.0012	.0030	.0007	.003	.23	.10	.0026	.0001	.13
%RSD	.2360	.5742	.1473	.1226	.8866	.3638	.4943	74.59	.4353
#1	.5237	.5200	.4816	2.776	26.17	26.98	.5218	.0002	30.31
#2	.5254	.5158	.4806	2.781	26.50	27.12	.5182	.0000	30.13

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.4971**	**1.0000**	**-.0024**	**.0001**	**.5180**	**.5183**	**7.043**	**-.0011**	**.5808**
Stddev	.0004	.0020	.0003	.0005	.0008	.0016	.017	.0003	.0001
%RSD	.0752	.1979	12.35	445.2	.1522	.3108	.2441	26.85	.0220
#1	.4968	.9986	-.0026	.0004	.5175	.5172	7.031	-.0013	.5809
#2	.4973	1.001	-.0022	-.0002	.5186	.5194	7.055	-.0009	.5807

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5133**	**.5016**	**.5316**	**.0036**	**.5250**	**-.0355**
Stddev	.0021	.0009	.0038	.0016	.0004	.0003
%RSD	.4042	.1886	.7086	43.66	.0811	.7441
#1	.5148	.5010	.5343	.0025	.5247	-.0353
#2	.5119	.5023	.5290	.0047	.5253	-.0357

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3829.1**	**89648.**	**9894.6**
Stddev	8.1	382.	20.8
%RSD	.21107	.42597	.21068
#1	3834.9	89378.	9909.3
#2	3823.4	89918.	9879.9

Zoom In Zoom Out

Sample Name: MC23530-1 Acquired: 8/16/2013 17:29:32 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.0581**	**-.0002**	**.0013**	**.0121**	**.0183**	**.0000**	**6.447**	**.0001**
Stddev	.0001	.0000	.0004	.0009	.0001	.0000	.0000	.012	.0001
%RSD	74.14	.0510	213.0	66.89	.5212	.1198	360.0	.1910	175.5
#1	.0000	.0581	.0001	.0007	.0121	.0183	.0000	6.455	.0000
#2	-.0001	.0581	-.0005	.0020	.0122	.0183	.0000	6.438	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0002**	**.0003**	**.7393**	**.9016**	**1.663**	**.0238**	**.0000**	**4.770**
Stddev	.0000	.0002	.0000	.0016	.0151	.011	.0001	.0001	.005
%RSD	35.16	91.83	10.48	.2177	1.670	.6665	.3454	111400.	.1069
#1	.0001	.0004	.0003	.7405	.9123	1.655	.0238	.0001	4.773
#2	.0001	.0001	.0004	.7382	.8910	1.671	.0237	-.0001	4.766

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0001**	**-.0002**	**.0000**	**-.0004**	**.0004**	**.0008**	**6.844**	**-.0004**	**.0724**
Stddev	.0000	.0003	.0006	.0013	.0000	.0004	.003	.0001	.0003
%RSD	76.73	182.5	47030.	360.9	2.085	45.28	.0436	35.80	.4067
#1	.0000	-.0004	.0004	-.0013	.0004	.0011	6.842	-.0005	.0722
#2	.0001	.0001	-.0004	.0006	.0004	.0006	6.846	-.0003	.0726

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0042**	**-.0005**	**.0012**	**-.0003**	**.0036**	**-.0392**
Stddev	.0001	.0001	.0002	.0020	.0002	.0005
%RSD	2.163	26.97	17.13	650.7	4.453	1.280
#1	.0043	-.0006	.0011	-.0017	.0035	-.0389
#2	.0041	-.0004	.0014	.0011	.0038	-.0396

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3899.2**	**89945.**	**10004.**
Stddev	5.1	462.	41.
%RSD	.13035	.51349	.40863
#1	3895.6	89618.	9975.4
#2	3902.7	90272.	10033.

Zoom In Zoom Out

Sample Name: MP21515-SD1 Acquired: 8/16/2013 17:34:25 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.0513**	**.0016**	**.0018**	**.0320**	**.0172**	**-.0002**	**6.613**	**.0001**
Stddev	.0005	.0148	.0025	.0016	.0010	.0001	.0001	.034	.0000
%RSD	126.5	28.79	154.8	88.25	3.183	.6524	24.57	.5185	34.50
#1	.0008	.0617	-.0002	.0029	.0313	.0171	-.0002	6.638	.0001
#2	.0000	.0408	.0034	.0007	.0327	.0173	-.0003	6.589	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**-.0006**	**-.0006**	**.7280**	**1.054**	**1.532**	**.0237**	**-.0005**	**4.755**
Stddev	.0003	.0008	.0019	.0033	.235	.013	.0000	.0002	.038
%RSD	452.7	141.7	297.3	.4465	22.32	.8661	.0558	34.16	.8041
#1	-.0001	-.0011	-.0020	.7303	.8877	1.542	.0237	-.0004	4.782
#2	.0003	.0000	.0007	.7257	1.220	1.523	.0237	-.0006	4.728

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**-.0001**	**.0028**	**-.0022**	**-.0092**	**.0002**	**.0009**	**7.008**	**-.0003**	**.0732**
Stddev	.0001	.0007	.0027	.0001	.0008	.0047	.041	.0004	.0001
%RSD	106.5	23.49	125.1	.5623	358.6	545.1	.5914	133.2	.1511
#1	-.0002	.0023	-.0041	-.0092	.0008	-.0025	6.978	.0000	.0733
#2	.0000	.0032	-.0003	-.0091	-.0004	.0042	7.037	-.0006	.0731

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0034**	**.0013**	**.0038**	**.0005**	**.0041**	**-.0420**
Stddev	.0010	.0039	.0013	.0003	.0000	.0014
%RSD	30.97	305.4	35.11	67.32	.0448	3.237
#1	.0026	.0040	.0047	.0007	.0041	-.0430
#2	.0041	-.0015	.0029	.0003	.0041	-.0410

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3909.8**	**89503.**	**9906.5**
Stddev	19.2	358.	13.4
%RSD	.49143	.39999	.13488
#1	3923.4	89756.	9916.0
#2	3896.2	89250.	9897.1

Zoom In Zoom Out

Sample Name: MP21515-B2 Acquired: 8/16/2013 17:39:20 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2020**	**2.059**	**.5372**	**.0010**	**.0005**	**2.021**	**.5150**	**24.88**	**.5201**
Stddev	.0001	.011	.0019	.0004	.0002	.009	.0016	.08	.0013
%RSD	.0321	.5103	.3550	39.46	37.82	.4289	.3092	.3050	.2431
#1	.2021	2.051	.5385	.0013	.0007	2.015	.5139	24.83	.5192
#2	.2020	2.066	.5358	.0007	.0004	2.027	.5161	24.93	.5210

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5221**	**.5204**	**.4824**	**2.058**	**25.73**	**25.46**	**.4963**	**-.0001**	**25.65**
Stddev	.0013	.0005	.0010	.009	.13	.24	.0012	.0000	.02
%RSD	.2458	.0932	.2143	.4456	.5209	.9507	.2508	20.72	.0943
#1	.5212	.5200	.4832	2.051	25.64	25.29	.4955	-.0002	25.63
#2	.5230	.5207	.4817	2.064	25.83	25.63	.4972	-.0001	25.66

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.4961**	**1.000**	**-.0024**	**.0036**	**.5123**	**.5147**	**.0162**	**-.0012**	**.5087**
Stddev	.0002	.001	.0001	.0018	.0003	.0010	.0012	.0002	.0023
%RSD	.0338	.1063	2.551	51.01	.0532	.1895	7.671	13.98	.4595
#1	.4960	.9993	-.0024	.0023	.5121	.5140	.0153	-.0011	.5070
#2	.4962	1.001	-.0024	.0049	.5125	.5154	.0171	-.0013	.5104

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5075**	**.5012**	**.5335**	**.0032**	**.5201**	**.0024**
Stddev	.0005	.0014	.0002	.0002	.0005	.0001
%RSD	.1042	.2758	.0373	6.521	.1056	5.585
#1	.5072	.5002	.5334	.0030	.5197	.0023
#2	.5079	.5022	.5336	.0033	.5205	.0025

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3845.2**	**88839.**	**9797.7**
Stddev	4.8	371.	4.5
%RSD	.12610	.41723	.04557
#1	3848.6	89101.	9800.8
#2	3841.8	88576.	9794.5

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/16/2013 17:44:06 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2475**	**9.829**	**1.963**	**.0022**	**1.961**	**1.948**	**1.954**	**9.955**	**2.002**
Stddev	.0016	.013	.003	.0014	.001	.001	.002	.000	.001
%RSD	.6549	.1320	.1291	64.92	.0424	.0241	.0824	.0013	.0388
#1	.2487	9.839	1.965	.0012	1.961	1.948	1.953	9.955	2.001
#2	.2464	9.820	1.961	.0032	1.960	1.947	1.955	9.955	2.003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.068**	**1.959**	**1.955**	**9.960**	**9.948**	**9.744**	**1.981**	**1.984**	**10.03**
Stddev	.002	.001	.019	.026	.053	.010	.006	.006	.02
%RSD	.1045	.0459	.9523	.2656	.5357	.0997	.3002	.2897	.1963
#1	2.067	1.960	1.968	9.941	9.986	9.738	1.986	1.980	10.05
#2	2.070	1.958	1.942	9.978	9.910	9.751	1.977	1.988	10.02

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**1.936**	**1.938**	**.0006**	**-.0015**	**1.978**	**1.991**	**-.0360**	**2.020**	**2.016**
Stddev	.003	.003	.0008	.0023	.006	.003	.0013	.002	.002
%RSD	.1660	.1436	117.7	159.0	.3074	.1299	3.487	.0996	.0829
#1	1.938	1.940	.0001	.0002	1.982	1.993	-.0351	2.022	2.015
#2	1.934	1.936	.0012	-.0031	1.974	1.989	-.0369	2.019	2.017

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.991**	**1.944**	**2.005**	**-.0062**	**1.983**	**.0112**
Stddev	.003	.001	.004	.0028	.003	.0022
%RSD	.1296	.0650	.1951	44.64	.1262	19.39
#1	1.993	1.943	2.008	-.0042	1.981	.0127
#2	1.989	1.945	2.003	-.0081	1.984	.0097

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3875.1**	**89682.**	**9887.2**
Stddev	7.8	362.	99.8
%RSD	.20209	.40336	1.0097
#1	3880.6	89426.	9816.6
#2	3869.5	89938.	9957.8

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/16/2013 17:48:50 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0003**	**-.0094**	**.0003**	**.0014**	**.0008**	**.0002**	**.0000**	**-.0066**	**.0003**
Stddev	.0001	.0018	.0002	.0006	.0001	.0004	.0001	.0004	.0002
%RSD	27.24	19.32	63.97	41.20	6.615	216.8	1220.	6.386	56.09
#1	-.0004	-.0107	.0002	.0010	.0009	.0004	-.0001	-.0063	.0002
#2	-.0003	-.0081	.0004	.0018	.0008	-.0001	.0001	-.0069	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**-.0002**	**-.0006**	**-.0058**	**.0194**	**-.0061**	**.0000**	**.0031**	**-.0613**
Stddev	.0001	.0000	.0002	.0020	.0352	.0116	.000	.0007	.0052
%RSD	48.39	32.41	39.47	34.22	181.3	191.6	79.69	22.26	8.469
#1	.0001	-.0002	-.0008	-.0044	.0443	-.0143	.0000	.0036	-.0577
#2	.0002	-.0001	-.0004	-.0072	-.0055	.0022	-.0001	.0026	-.0650

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0002**	**.0009**	**.0000**	**.0006**	**.0003**	**.0005**	**-.0061**	**.0003**	**.0000**
Stddev	.0000	.0004	.0012	.0036	.0005	.0011	.0001	.0000	.000
%RSD	8.292	44.79	4667.	574.9	153.9	233.7	2.289	1.161	75.69
#1	.0002	.0006	-.0009	-.0019	.0007	-.0003	-.0060	.0003	.0000
#2	.0002	.0012	.0009	.0032	.0000	.0013	-.0062	.0003	.0000

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0002**	**.0011**	**-.0001**	**.0007**	**.0001**	**-.0007**
Stddev	.0001	.0003	.0002	.0002	.0001	.0004
%RSD	81.73	26.70	313.8	24.34	87.71	47.94
#1	.0003	.0013	-.0003	.0005	.0001	-.0010
#2	.0001	.0009	.0001	.0008	.0002	-.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3891.6**	**91059.**	**9802.7**
Stddev	.5	1486.	173.9
%RSD	.01271	1.6315	1.7741
#1	3891.2	92109.	9679.7
#2	3891.9	90008.	9925.7

Zoom In Zoom Out

Sample Name: MC23530-7 Acquired: 8/16/2013 17:53:47 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0022**	**17.82**	**.0489**	**.0387**	**.2641**	**1.468**	**.0006**	**115.3**	**.0090**
Stddev	.0001	.13	.0004	.0019	.0002	.019	.0000	.3	.0001
%RSD	4.474	.7253	.8336	4.989	.0919	1.267	5.194	.2900	.6514
#1	.0022	17.91	.0486	.0373	.2643	1.481	.0005	115.5	.0090
#2	.0021	17.72	.0492	.0400	.2640	1.455	.0006	115.1	.0091

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.2176**	**.9916**	**5.328**	**166.3**	**14.24**	**39.38**	**1.627**	**.5100**	**39.77**
Stddev	.0002	.0088	.016	.8	.11	.24	.004	.0001	.05
%RSD	.0979	.8864	.3061	.4843	.7711	.6013	.2438	.0143	.1291
#1	.2177	.9854	5.316	166.9	14.31	39.55	1.624	.5100	39.73
#2	.2174	.9978	5.339	165.8	14.16	39.21	1.630	.5099	39.81

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**1.479**	**.2818**	**.0151**	**-.0071**	**.0445**	**.0044**	**68.95**	**.0589**	**.7661**
Stddev	.001	.0011	.0004	.0015	.0004	.0003	.21	.0002	.0049
%RSD	.0390	.4024	2.525	21.68	.9150	7.950	.3082	.3718	.6456
#1	1.479	.2826	.0154	-.0082	.0448	.0042	68.80	.0587	.7696
#2	1.478	.2810	.0149	-.0060	.0442	.0046	69.10	.0590	.7626

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.9475**	**-.0013**	**.0826**	**.1482**	**4.081**	**-.3825**
Stddev	.0077	.0002	.0000	.0006	.001	.0012
%RSD	.8149	15.74	.0577	.4000	.0272	.3137
#1	.9421	-.0015	.0826	.1478	4.080	-.3817
#2	.9530	-.0012	.0826	.1486	4.081	-.3834

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3770.2**	**89156.**	**10020.**
Stddev	5.5	232.	5.
%RSD	.14480	.25989	.04988
#1	3766.3	89320.	10016.
#2	3774.0	88992.	10023.

Zoom In Zoom Out

Sample Name: MC23530-2 Acquired: 8/16/2013 17:58:33 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0003**	**.0603**	**-.0002**	**.0006**	**.0127**	**.0182**	**.0000**	**6.516**	**.0000**
Stddev	.0001	.0112	.0007	.0005	.0001	.0000	.000	.001	.0000
%RSD	45.69	18.62	300.9	79.46	1.035	.0452	7.614	.0188	275.0
#1	-.0004	.0523	-.0007	.0009	.0128	.0182	.0000	6.517	.0000
#2	-.0002	.0682	.0002	.0002	.0126	.0181	.0000	6.516	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0016**	**.0001**	**.7338**	**.8982**	**1.652**	**.0245**	**.0008**	**4.795**
Stddev	.0000	.0001	.0002	.0063	.0026	.002	.0001	.0000	.032
%RSD	14.83	6.553	164.6	.8653	.2939	.1260	.2895	4.298	.6655
#1	.0001	.0017	.0003	.7383	.9001	1.654	.0246	.0009	4.772
#2	.0001	.0015	.0000	.7293	.8964	1.651	.0245	.0008	4.817

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0001**	**-.0003**	**-.0002**	**-.0001**	**.0000**	**.0006**	**6.894**	**-.0002**	**.0720**
Stddev	.0001	.0002	.0010	.0013	.001	.0000	.007	.0000	.0002
%RSD	132.2	51.96	421.6	1083.	22220.	5.860	.1002	15.93	.2713
#1	.0002	-.0002	-.0009	.0008	.0004	.0005	6.890	-.0002	.0719
#2	.0000	-.0004	.0005	-.0010	-.0004	.0006	6.899	-.0002	.0722

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0040**	**-.0002**	**.0016**	**.0012**	**.0041**	**-.0390**
Stddev	.0001	.0001	.0004	.0034	.0002	.0001
%RSD	2.978	50.54	25.95	287.6	4.694	.2961
#1	.0039	-.0003	.0013	-.0012	.0040	-.0389
#2	.0041	-.0001	.0019	.0036	.0043	-.0390

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3856.6**	**89399.**	**9882.6**
Stddev	9.0	223.	35.8
%RSD	.23351	.24927	.36251
#1	3862.9	89241.	9907.9
#2	3850.2	89556.	9857.3

Zoom In Zoom Out

Sample Name: MC23530-3 Acquired: 8/16/2013 18:03:27 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**1.346**	**-.0009**	**.0002**	**.0184**	**.0353**	**.0001**	**3.549**	**.0001**
Stddev	.0002	.006	.0004	.0008	.0001	.0001	.0000	.002	.0000
%RSD	97.37	.4144	46.52	366.2	.5585	.3105	20.05	.0520	5.209
#1	-.0003	1.342	-.0006	.0008	.0185	.0354	.0001	3.550	.0001
#2	-.0001	1.350	-.0012	-.0004	.0183	.0352	.0001	3.548	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0007**	**.0019**	**.0012**	**1.201**	**1.910**	**1.345**	**.0303**	**.0004**	**2.208**
Stddev	.0000	.0001	.0000	.002	.061	.021	.0002	.0001	.018
%RSD	.2499	3.257	1.356	.1606	3.206	1.600	.6145	28.33	.8361
#1	.0007	.0020	.0012	1.203	1.953	1.360	.0301	.0005	2.221
#2	.0007	.0019	.0013	1.200	1.866	1.329	.0304	.0003	2.195

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0014**	**.0009**	**-.0001**	**.0031**	**.0001**	**.0010**	**7.894**	**-.0002**	**.0678**
Stddev	.0001	.0001	.0014	.0041	.0004	.0008	.023	.0000	.0001
%RSD	4.734	15.31	2488.	132.1	398.9	87.21	.2912	.9424	.0919
#1	.0013	.0008	-.0010	.0061	.0004	.0004	7.878	-.0002	.0678
#2	.0014	.0010	.0009	.0002	-.0002	.0016	7.911	-.0002	.0679

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0490**	**-.0007**	**.0017**	**.0023**	**.0045**	**-.0441**
Stddev	.0000	.0003	.0006	.0015	.0000	.0004
%RSD	.0769	40.37	34.41	65.87	.2741	.8015
#1	.0490	-.0008	.0013	.0012	.0045	-.0439
#2	.0489	-.0005	.0021	.0034	.0045	-.0444

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3896.7**	**89732.**	**9744.8**
Stddev	3.9	187.	64.7
%RSD	.09985	.20791	.66436
#1	3893.9	89600.	9699.0
#2	3899.4	89863.	9790.6

Zoom In Zoom Out

Sample Name: MC23530-4 Acquired: 8/16/2013 18:08:20 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0003**	**-.0163**	**.0010**	**.0012**	**.4191**	**.1383**	**.0000**	**12.78**	**.0002**
Stddev	.0001	.0003	.0002	.0008	.0062	.0010	.000	.06	.0000
%RSD	23.73	1.667	23.57	63.41	1.467	.7412	57.86	.4686	20.77
#1	-.0004	-.0165	.0012	.0007	.4148	.1376	.0000	12.74	.0001
#2	-.0003	-.0161	.0008	.0017	.4235	.1390	.0000	12.82	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0003**	**.0000**	**.0010**	**.0204**	**5.097**	**64.51**	**1.929**	**.1278**	**22.29**
Stddev	.0001	.0001	.0009	.0019	.032	.58	.063	.0020	.14
%RSD	22.47	1035.	89.97	9.426	.6315	.9069	3.285	1.559	.6445
#1	.0004	.0001	.0003	.0217	5.074	64.09	1.884	.1264	22.18
#2	.0003	.0000	.0016	.0190	5.120	64.92	1.974	.1292	22.39

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0003**	**-.0007**	**-.0024**	**.0053**	**.0002**	**.0006**	**5.511**	**-.0001**	**.1011**
Stddev	.0000	.0002	.0007	.0031	.0004	.0006	.068	.0001	.0005
%RSD	11.56	26.91	31.16	57.25	171.5	101.9	1.227	74.55	.5173
#1	.0003	-.0006	-.0029	.0075	-.0001	.0010	5.463	-.0001	.1007
#2	.0003	-.0008	-.0019	.0032	.0005	.0002	5.559	-.0002	.1014

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0002**	**-.0007**	**.0003**	**.0006**	**-.0001**	**-.0310**
Stddev	.0001	.0003	.0004	.0015	.0000	.0010
%RSD	51.86	48.73	138.9	244.6	42.94	3.275
#1	.0002	-.0005	.0005	-.0004	-.0001	-.0317
#2	.0003	-.0009	.0000	.0017	.0000	-.0302

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3839.0**	**87235.**	**10051.**
Stddev	44.2	2594.	55.
%RSD	1.1524	2.9731	.55126
#1	3870.2	89069.	10090.
#2	3807.7	85401.	10012.

Zoom In Zoom Out

Sample Name: MC23530-5 Acquired: 8/16/2013 18:13:12 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0006**	**-.0149**	**-.0006**	**.0010**	**-.0009**	**.0001**	**.0000**	**.0119**	**.0000**
Stddev	.0003	.0023	.0013	.0009	.0001	.0001	.0001	.0011	.000
%RSD	51.19	15.61	223.0	85.41	11.58	124.1	481.9	9.467	120.9
#1	-.0008	-.0165	-.0016	.0004	-.0008	.0000	.0001	.0111	-.0001
#2	-.0004	-.0133	.0003	.0017	-.0010	.0002	.0000	.0127	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**-.0002**	**-.0008**	**-.0020**	**.0141**	**-.0269**	**.0001**	**.0000**	**-.0616**
Stddev	.000	.0004	.0002	.0010	.0102	.0117	.0000	.0000	.0009
%RSD	126.7	184.3	23.60	47.91	71.89	43.44	31.19	1.958	1.524
#1	-.0001	-.0005	-.0007	-.0013	.0069	-.0187	.0001	.0000	-.0622
#2	.0000	.0001	-.0010	-.0027	.0213	-.0352	.0001	.0000	-.0609

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**-.0002**	**.0003**	**-.0007**	**-.0019**	**.0003**	**-.0003**	**.0221**	**.0001**	**.0000**
Stddev	.0001	.0005	.0010	.0031	.0003	.0003	.0003	.0002	.0001
%RSD	50.26	164.9	129.1	165.0	91.80	121.0	1.383	236.5	3116.
#1	-.0003	-.0001	-.0001	.0003	.0001	.0000	.0219	.0002	-.0001
#2	-.0002	.0007	-.0014	-.0041	.0005	-.0005	.0223	.0000	.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**-.0010**	**.0000**	**.0018**	**.0013**	**-.0006**
Stddev	.000	.0003	.000	.0049	.0000	.0004
%RSD	90.58	31.39	596.6	271.8	2.543	56.83
#1	.0000	-.0012	.0001	-.0017	.0013	-.0004
#2	-.0001	-.0008	-.0002	.0052	.0013	-.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3860.7**	**89849.**	**9783.3**
Stddev	4.7	546.	33.4
%RSD	.12053	.60802	.34112
#1	3857.4	89463.	9806.9
#2	3864.0	90235.	9759.7

Zoom In Zoom Out

Sample Name: MC23570-1 Acquired: 8/16/2013 18:18:08 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.0337**	**-.0006**	**.0105**	**.0896**	**.0550**	**.0001**	**123.3**	**.0000**
Stddev	.0003	.0068	.0009	.0024	.0000	.0025	.0000	5.1	.000
%RSD	167.3	20.33	146.9	22.74	.0226	4.587	44.03	4.119	948.1
#1	.0000	.0288	-.0013	.0122	.0896	.0533	.0001	119.7	.0001
#2	-.0004	.0385	.0000	.0088	.0896	.0568	.0001	126.9	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0006**	**.0003**	**36.72**	**11.74**	**24.05**	**2.858**	**.0006**	**144.3**
Stddev	.000	.0002	.0004	1.71	.45	.92	.024	.0001	5.9
%RSD	250.1	35.62	148.7	4.645	3.851	3.834	.8465	22.53	4.118
#1	-.0001	.0008	.0000	35.51	11.42	23.40	2.875	.0007	140.1
#2	.0000	.0005	.0005	37.93	12.06	24.70	2.841	.0005	148.5

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0020**	**.0001**	**-.0050**	**.0054**	**.0005**	**-.0006**	**14.26**	**.0000**	**.5710**
Stddev	.0000	.0001	.0000	.0032	.0001	.0010	.01	.000	.0228
%RSD	1.513	181.0	.9934	59.79	15.85	149.8	.0592	2480.	3.989
#1	.0020	.0002	-.0050	.0077	.0004	-.0013	14.26	-.0002	.5549
#2	.0020	.0000	-.0049	.0031	.0005	.0000	14.25	.0001	.5871

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0027**	**.0000**	**.0003**	**.0178**	**.0058**	**-.0803**
Stddev	.0001	.000	.0002	.0047	.0001	.0001
%RSD	2.636	152.6	59.93	26.47	1.068	.0886
#1	.0027	.0000	.0004	.0145	.0058	-.0803
#2	.0026	.0000	.0002	.0212	.0057	-.0804

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3740.8**	**88728.**	**9950.0**
Stddev	2.3	15.	300.6
%RSD	.06021	.01637	3.0213
#1	3739.2	88718.	10163.
#2	3742.4	88738.	9737.5

Zoom In Zoom Out

Sample Name: MC23570-7 Acquired: 8/16/2013 18:23:00 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**-.0210**	**-.0009**	**.0099**	**.0932**	**.1012**	**.0000**	**197.4**	**.0000**
Stddev	.0002	.0142	.0004	.0003	.0001	.0004	.0001	.4	.0001
%RSD	75.51	67.58	41.93	3.514	.0677	.3892	128.1	.1839	211.0
#1	.0004	-.0110	-.0007	.0097	.0932	.1015	.0000	197.7	.0000
#2	.0001	-.0311	-.0012	.0102	.0933	.1009	.0001	197.2	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**.0005**	**-.0001**	**16.26**	**23.92**	**56.31**	**6.091**	**.0002**	**173.1**
Stddev	.0001	.0002	.0001	.06	.13	.33	.009	.0000	.0
%RSD	80.99	49.11	163.4	.3646	.5477	.5792	.1473	14.49	.0046
#1	-.0003	.0003	.0000	16.30	24.02	56.55	6.097	.0003	173.1
#2	-.0001	.0007	-.0001	16.22	23.83	56.08	6.084	.0002	173.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0023**	**.0087**	**-.0142**	**.0118**	**-.0006**	**.0005**	**18.18**	**-.0001**	**.9393**
Stddev	.0000	.0005	.0004	.0005	.0010	.0003	.05	.0001	.0038
%RSD	.3644	5.404	2.769	4.408	156.6	61.00	.2644	72.64	.4097
#1	.0023	.0090	-.0139	.0122	.0001	.0003	18.15	-.0001	.9420
#2	.0023	.0084	-.0145	.0114	-.0013	.0007	18.22	-.0002	.9366

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0014**	**.0003**	**.0006**	**.0169**	**.0101**	**-.1009**
Stddev	.0003	.0002	.0006	.0013	.0000	.0007
%RSD	21.17	83.34	99.83	7.978	.3293	.6638
#1	.0016	.0001	.0002	.0179	.0101	-.1005
#2	.0012	.0004	.0011	.0159	.0100	-.1014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3694.9**	**87318.**	**9761.5**
Stddev	.3	30.	.0
%RSD	.00932	.03447	.00035
#1	3695.2	87340.	9761.4
#2	3694.7	87297.	9761.5

Zoom In Zoom Out

Sample Name: MC23571-4 Acquired: 8/16/2013 18:27:56 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0004**	**.0052**	**-.0008**	**.0010**	**.0111**	**.0250**	**.0000**	**27.19**	**.0001**
Stddev	.0000	.0003	.0006	.0005	.0001	.0013	.0000	1.76	.0000
%RSD	3.596	6.176	79.10	46.78	.7269	5.047	427.3	6.491	37.54
#1	-.0005	.0050	-.0012	.0014	.0112	.0259	.0000	28.43	.0001
#2	-.0004	.0054	-.0003	.0007	.0111	.0241	.0000	25.94	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0004**	**.0012**	**.0013**	**.0947**	**4.490**	**4.302**	**.3809**	**.0008**	**70.90**
Stddev	.0001	.0004	.0007	.0065	.286	.325	.0046	.0000	4.32
%RSD	20.03	31.88	58.81	6.914	6.367	7.560	1.204	3.136	6.096
#1	.0004	.0015	.0007	.0993	4.692	4.532	.3776	.0007	73.96
#2	.0005	.0010	.0018	.0901	4.288	4.072	.3841	.0008	67.85

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0004**	**.0004**	**-.0024**	**.0012**	**-.0004**	**.0006**	**4.198**	**.0002**	**.1504**
Stddev	.0001	.0005	.0003	.0018	.0002	.0009	.003	.0003	.0095
%RSD	15.46	113.6	12.24	150.6	56.35	144.3	.0593	159.2	6.294
#1	.0003	.0001	-.0026	-.0001	-.0002	.0000	4.199	.0000	.1571
#2	.0004	.0008	-.0022	.0025	-.0005	.0012	4.196	.0004	.1438

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0013**	**-.0005**	**.0001**	**.0028**	**.0152**	**-.0240**
Stddev	.0001	.0004	.0000	.0011	.0001	.0004
%RSD	4.923	95.84	32.99	40.03	.4729	1.704
#1	.0013	-.0001	.0001	.0020	.0153	-.0243
#2	.0012	-.0008	.0002	.0036	.0152	-.0238

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3862.5**	**89222.**	**9552.4**
Stddev	4.3	1265.	670.9
%RSD	.11131	1.4177	7.0231
#1	3859.4	90116.	9078.0
#2	3865.5	88328.	10027.

Zoom In Zoom Out

Sample Name: MC23571-5 Acquired: 8/16/2013 18:32:50 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**-.0060**	**-.0001**	**.0013**	**.0147**	**.0289**	**-.0001**	**19.83**	**.0001**
Stddev	.0000	.0034	.0007	.0010	.0003	.0003	.0001	.05	.0001
%RSD	20.50	56.86	695.8	78.37	1.719	1.012	76.28	.2513	72.19
#1	-.0002	-.0036	.0004	.0006	.0148	.0291	.0000	19.79	.0002
#2	-.0002	-.0084	-.0006	.0020	.0145	.0286	-.0001	19.86	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0016**	**.0006**	**.0220**	**4.146**	**3.041**	**.0006**	**.0005**	**58.98**
Stddev	.0000	.0002	.0002	.0017	.008	.015	.0001	.0000	.03
%RSD	4.721	14.73	26.54	7.899	.1935	.4823	11.98	6.310	.0507
#1	.0001	.0018	.0007	.0207	4.141	3.051	.0006	.0006	58.96
#2	.0001	.0015	.0005	.0232	4.152	3.031	.0007	.0005	59.00

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0001**	**-.0001**	**-.0015**	**-.0002**	**-.0003**	**.0008**	**4.535**	**-.0002**	**.1062**
Stddev	.0001	.0011	.0010	.0008	.0001	.0012	.003	.0002	.0003
%RSD	107.7	1027.	66.74	455.5	25.69	153.6	.0601	72.25	.2392
#1	.0002	.0007	-.0008	.0004	-.0003	-.0001	4.533	-.0001	.1064
#2	.0000	-.0009	-.0021	-.0008	-.0004	.0016	4.537	-.0004	.1061

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0005**	**-.0008**	**.0005**	**.0043**	**.0109**	**-.0261**
Stddev	.0000	.0000	.0003	.0020	.0001	.0005
%RSD	6.137	2.387	54.37	46.28	.4778	2.038
#1	.0004	-.0008	.0003	.0029	.0109	-.0257
#2	.0005	-.0008	.0007	.0057	.0109	-.0265

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3837.6**	**87880.**	**10036.**
Stddev	6.6	316.	21.
%RSD	.17139	.36006	.20929
#1	3842.3	87656.	10051.
#2	3833.0	88104.	10021.

Zoom In Zoom Out

Sample Name: MC23572-1 Acquired: 8/16/2013 18:37:44 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**-.0014**	**-.0004**	**.0011**	**.0582**	**.1260**	**.0000**	**36.85**	**.0006**
Stddev	.0002	.0079	.0003	.0000	.0003	.0004	.0001	.16	.0000
%RSD	62.55	568.2	61.37	1.499	.5415	.3351	199.3	.4272	2.369
#1	-.0001	-.0070	-.0006	.0011	.0580	.1257	.0000	36.74	.0006
#2	-.0004	.0042	-.0002	.0011	.0584	.1263	.0001	36.96	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0044**	**.0006**	**.0029**	**.0079**	**6.959**	**10.75**	**1.517**	**-.0003**	**208.2**
Stddev	.0000	.0005	.0000	.0000	.086	.09	.001	.0000	.2
%RSD	.0972	75.44	1.398	.5679	1.231	.8251	.0616	14.02	.0820
#1	.0044	.0010	.0028	.0080	6.898	10.69	1.516	-.0002	208.1
#2	.0044	.0003	.0029	.0079	7.019	10.81	1.517	-.0003	208.4

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0119**	**-.0003**	**-.0026**	**.0035**	**-.0009**	**.0010**	**5.664**	**-.0002**	**.2646**
Stddev	.0001	.0003	.0003	.0043	.0002	.0009	.001	.0001	.0002
%RSD	1.002	107.3	12.98	122.6	20.50	98.43	.0228	74.37	.0791
#1	.0120	-.0001	-.0023	.0065	-.0010	.0016	5.665	-.0001	.2644
#2	.0118	-.0004	-.0028	.0005	-.0008	.0003	5.663	-.0002	.2647

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0001**	**-.0001**	**-.0001**	**.0002**	**.0231**	**-.0324**
Stddev	.0001	.0002	.0006	.0007	.0001	.0000
%RSD	186.6	187.6	809.1	368.5	.5260	.1223
#1	-.0002	.0000	.0003	.0007	.0232	-.0324
#2	.0000	-.0002	-.0005	-.0003	.0230	-.0324

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3764.6**	**87340.**	**9977.1**
Stddev	1.4	71.	70.3
%RSD	.03831	.08135	.70451
#1	3763.5	87289.	10027.
#2	3765.6	87390.	9927.4

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/16/2013 18:42:36 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2437**	**9.824**	**1.927**	**.0033**	**1.925**	**1.941**	**1.947**	**9.884**	**1.949**
Stddev	.0005	.063	.002	.0002	.001	.012	.003	.011	.006
%RSD	.2011	.6386	.0844	5.640	.0238	.6270	.1538	.1088	.2995
#1	.2441	9.869	1.928	.0034	1.925	1.949	1.949	9.892	1.953
#2	.2434	9.780	1.926	.0032	1.926	1.932	1.945	9.877	1.944

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.025**	**1.957**	**1.918**	**9.847**	**9.952**	**9.722**	**1.968**	**1.938**	**10.02**
Stddev	.005	.001	.013	.002	.049	.011	.000	.001	.03
%RSD	.2634	.0535	.6916	.0232	.4904	.1093	.0024	.0523	.3264
#1	2.029	1.957	1.928	9.845	9.986	9.729	1.968	1.937	10.00
#2	2.021	1.956	1.909	9.848	9.917	9.714	1.968	1.938	10.05

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**1.912**	**1.911**	**.0005**	**.0016**	**1.937**	**1.941**	**-.0322**	**1.984**	**2.007**
Stddev	.001	.000	.0000	.0018	.001	.004	.0014	.001	.006
%RSD	.0532	.0133	6.488	111.1	.0555	.2126	4.429	.0672	.3213
#1	1.913	1.912	.0006	.0028	1.936	1.944	-.0332	1.985	2.011
#2	1.911	1.911	.0005	.0003	1.938	1.938	-.0312	1.983	2.002

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.973**	**1.918**	**1.991**	**-.0029**	**1.943**	**-.0022**
Stddev	.000	.004	.001	.0041	.009	.0003
%RSD	.0042	.1980	.0410	137.9	.4396	12.91
#1	1.973	1.916	1.990	-.0001	1.949	-.0020
#2	1.973	1.921	1.991	-.0058	1.937	-.0024

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3968.8**	**90270.**	**9812.0**
Stddev	3.2	225.	53.3
%RSD	.08042	.24941	.54315
#1	3966.6	90429.	9774.4
#2	3971.1	90111.	9849.7

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/16/2013 18:47:21 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0006**	**-.0077**	**.0013**	**.0010**	**.0005**	**-.0001**	**.0001**	**-.0040**	**.0002**
Stddev	.0001	.0027	.0002	.0009	.0003	.0000	.0000	.0004	.0002
%RSD	16.80	35.37	17.86	97.35	61.71	74.97	57.79	10.35	80.57
#1	-.0007	-.0057	.0012	.0016	.0003	-.0001	.0001	-.0043	.0001
#2	-.0005	-.0096	.0015	.0003	.0007	.0000	.0000	-.0037	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0000**	**.0003**	**-.0037**	**.0370**	**-.0181**	**-.0001**	**.0027**	**.0073**
Stddev	.0002	.000	.0009	.0007	.0169	.0015	.0000	.0006	.0058
%RSD	133.7	370.3	285.4	18.80	45.51	8.336	59.52	23.34	79.85
#1	.0000	.0000	.0009	-.0042	.0251	-.0192	-.0001	.0031	.0114
#2	.0003	-.0001	-.0003	-.0032	.0489	-.0170	.0000	.0022	.0032

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0000**	**.0008**	**-.0005**	**-.0016**	**.0001**	**.0007**	**-.0054**	**.0002**	**.0000**
Stddev	.0001	.0009	.0017	.0012	.0003	.0009	.0002	.0003	.0000
%RSD	442.3	122.6	375.4	74.52	247.2	125.0	3.754	123.7	56.12
#1	-.0001	.0001	-.0017	-.0024	-.0001	.0001	-.0055	.0000	.0000
#2	.0001	.0014	.0008	-.0007	.0003	.0013	-.0052	.0004	.0000

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0001**	**.0016**	**-.0003**	**.0022**	**.0000**	**-.0003**
Stddev	.0002	.0003	.0004	.0037	.000	.0003
%RSD	307.6	16.39	134.9	165.8	252.7	91.53
#1	-.0002	.0018	.0000	.0048	-.0001	-.0001
#2	.0001	.0014	-.0005	-.0004	.0000	-.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3918.8**	**89234.**	**9747.5**
Stddev	2.7	274.	49.5
%RSD	.06764	.30725	.50788
#1	3920.7	89428.	9782.5
#2	3916.9	89040.	9712.5

Zoom In Zoom Out

Sample Name: MC23572-2 Acquired: 8/16/2013 18:52:17 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.0325**	**.0006**	**.0010**	**.0518**	**.1628**	**.0001**	**30.85**	**.0009**
Stddev	.0002	.0027	.0001	.0004	.0002	.0017	.0000	.41	.0000
%RSD	102.7	8.334	18.35	44.78	.3909	1.065	22.07	1.344	1.760
#1	.0000	.0306	.0005	.0013	.0519	.1616	.0001	30.56	.0009
#2	-.0003	.0344	.0007	.0007	.0516	.1640	.0001	31.15	.0009

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0011**	**.0011**	**.0034**	**5.983**	**7.518**	**.0393**	**.0002**	**237.0**
Stddev	.0001	.0003	.0005	.0007	.090	.090	.0002	.0001	1.3
%RSD	34.52	30.10	42.65	20.97	1.507	1.200	.4388	41.21	.5682
#1	.0001	.0009	.0008	.0039	5.920	7.455	.0392	.0003	238.0
#2	.0002	.0013	.0014	.0029	6.047	7.582	.0394	.0002	236.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0038**	**.0002**	**-.0029**	**-.0030**	**-.0006**	**-.0004**	**5.400**	**-.0002**	**.2143**
Stddev	.0000	.0001	.0003	.0028	.0005	.0002	.010	.0001	.0032
%RSD	.4204	32.09	10.98	93.96	87.01	40.60	.1836	51.37	1.498
#1	.0038	.0001	-.0031	-.0010	-.0010	-.0005	5.407	-.0002	.2121
#2	.0038	.0002	-.0027	-.0050	-.0002	-.0003	5.393	-.0001	.2166

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0005**	**.0004**	**-.0003**	**-.0004**	**.0172**	**-.0302**
Stddev	.0002	.0002	.0001	.0019	.0000	.0003
%RSD	36.85	51.87	42.65	464.9	.1330	.8864
#1	.0004	.0003	-.0005	.0009	.0172	-.0300
#2	.0007	.0006	-.0002	-.0017	.0172	-.0304

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3860.8**	**88774.**	**9986.7**
Stddev	15.8	373.	58.7
%RSD	.40824	.41964	.58783
#1	3849.7	89038.	10028.
#2	3872.0	88511.	9945.1

Zoom In Zoom Out

Sample Name: MC23572-3 Acquired: 8/16/2013 18:57:15 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0003**	**.0204**	**-.0003**	**.0008**	**.0490**	**.0711**	**.0001**	**32.58**	**.0004**
Stddev	.0001	.0019	.0002	.0010	.0004	.0003	.0000	.12	.0000
%RSD	29.59	9.463	73.92	131.7	.7308	.4191	57.05	.3628	6.643
#1	-.0004	.0218	-.0001	.0001	.0493	.0713	.0001	32.67	.0004
#2	-.0002	.0190	-.0004	.0015	.0488	.0709	.0000	32.50	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0011**	**.0004**	**.0017**	**-.0003**	**6.956**	**9.188**	**.1282**	**.0001**	**210.0**
Stddev	.0001	.0001	.0005	.0003	.039	.053	.0001	.0001	1.9
%RSD	8.702	18.28	31.32	99.64	.5560	.5818	.1011	151.9	.9223
#1	.0012	.0003	.0013	-.0001	6.983	9.226	.1283	.0001	211.3
#2	.0011	.0004	.0021	-.0005	6.928	9.151	.1281	.0000	208.6

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0051**	**-.0001**	**-.0020**	**-.0008**	**.0001**	**.0004**	**5.646**	**-.0002**	**.2102**
Stddev	.0000	.0001	.0015	.0054	.0003	.0004	.011	.0002	.0001
%RSD	.1579	84.08	73.52	639.4	244.8	90.12	.1880	103.5	.0536
#1	.0051	.0000	-.0030	.0030	-.0001	.0002	5.654	.0000	.2101
#2	.0051	-.0001	-.0010	-.0047	.0004	.0007	5.639	-.0003	.2103

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0001**	**-.0004**	**-.0004**	**.0025**	**.0141**	**-.0312**
Stddev	.0001	.0000	.0003	.0038	.0001	.0003
%RSD	88.37	5.350	75.18	153.5	.9179	.8756
#1	-.0002	-.0004	-.0007	-.0002	.0142	-.0314
#2	-.0001	-.0004	-.0002	.0051	.0140	-.0310

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3833.9**	**88177.**	**9712.2**
Stddev	15.1	210.	87.5
%RSD	.39461	.23855	.90052
#1	3823.2	88028.	9650.4
#2	3844.6	88326.	9774.1

Zoom In Zoom Out

Sample Name: MC23572-4 Acquired: 8/16/2013 19:02:12 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**-.0036**	**.0004**	**-.0002**	**.0699**	**.0974**	**.0000**	**37.99**	**.0002**
Stddev	.0000	.0016	.0001	.0008	.0002	.0000	.000	.05	.0000
%RSD	11.10	43.58	34.07	437.8	.3225	.0278	217.5	.1431	17.67
#1	-.0001	-.0047	.0003	.0004	.0697	.0974	-.0001	37.95	.0002
#2	-.0001	-.0025	.0005	-.0008	.0700	.0974	.0000	38.02	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0011**	**.0013**	**.0053**	**6.767**	**9.212**	**.0637**	**-.0001**	**193.3**
Stddev	.0000	.0000	.0002	.0045	.019	.053	.0006	.0000	.4
%RSD	13.67	1.919	18.83	84.48	.2863	.5705	.9886	10.90	.2110
#1	.0002	.0012	.0015	.0085	6.781	9.249	.0633	-.0001	193.6
#2	.0002	.0011	.0011	.0021	6.754	9.175	.0642	-.0001	193.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0021**	**-.0001**	**-.0028**	**.0020**	**-.0008**	**.0004**	**5.432**	**-.0003**	**.2709**
Stddev	.0002	.0004	.0017	.0000	.0001	.0003	.030	.0002	.0007
%RSD	8.254	454.9	59.71	1.268	8.320	84.24	.5489	51.23	.2457
#1	.0020	-.0004	-.0016	.0020	-.0009	.0006	5.411	-.0004	.2704
#2	.0022	.0002	-.0040	.0021	-.0008	.0001	5.453	-.0002	.2713

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0003**	**.0004**	**.0003**	**-.0002**	**.0146**	**-.0311**
Stddev	.0002	.0005	.0000	.0025	.0000	.0001
%RSD	68.42	109.9	7.548	1349.	.3043	.3941
#1	.0005	.0008	.0003	-.0020	.0146	-.0310
#2	.0002	.0001	.0003	.0016	.0147	-.0312

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3827.7**	**89150.**	**9853.5**
Stddev	10.2	1109.	48.4
%RSD	.26664	1.2435	.49157
#1	3835.0	89934.	9819.3
#2	3820.5	88366.	9887.8

Zoom In Zoom Out

Sample Name: MC23573-1F Acquired: 8/16/2013 19:07:06 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0001**	**.2897**	**-.0001**	**.0111**	**.0150**	**.0169**	**.0013**	**18.96**	**.0000**
Stddev	.0003	.0086	.0001	.0001	.0003	.0001	.0001	.05	.000
%RSD	477.5	2.963	79.54	1.240	1.907	.4364	5.930	.2679	324.9
#1	-.0002	.2837	-.0002	.0110	.0148	.0169	.0012	18.92	.0000
#2	.0003	.2958	-.0001	.0112	.0152	.0168	.0013	18.99	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0088**	**-.0004**	**.0004**	**39.34**	**6.857**	**11.31**	**.7554**	**-.0005**	**72.84**
Stddev	.0001	.0003	.0001	.09	.021	.02	.0009	.0001	.07
%RSD	.9912	84.79	33.62	.2262	.3110	.1751	.1227	10.72	.0919
#1	.0087	-.0002	.0005	39.41	6.842	11.30	.7561	-.0005	72.80
#2	.0088	-.0006	.0003	39.28	6.872	11.33	.7548	-.0005	72.89

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0312**	**-.0011**	**.0028**	**-.0023**	**-.0004**	**-.0007**	**14.11**	**-.0003**	**.1776**
Stddev	.0000	.0001	.0004	.0010	.0003	.0012	.03	.0001	.0004
%RSD	.0156	13.03	15.57	45.29	83.74	168.1	.2258	48.72	.2451
#1	.0312	-.0013	.0025	-.0015	-.0002	-.0015	14.08	-.0004	.1773
#2	.0312	-.0010	.0031	-.0030	-.0006	.0001	14.13	-.0002	.1779

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**-.0008**	**-.0001**	**.0068**	**.0207**	**-.0799**
Stddev	.0004	.0003	.0001	.0022	.0001	.0001
%RSD	1412.	42.51	67.19	32.69	.6598	.0937
#1	-.0002	-.0011	-.0002	.0052	.0206	-.0798
#2	.0003	-.0006	-.0001	.0084	.0208	-.0799

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3892.3**	**88478.**	**10117.**
Stddev	13.4	251.	14.
%RSD	.34305	.28413	.14332
#1	3901.8	88655.	10107.
#2	3882.9	88300.	10128.

Zoom In Zoom Out

Sample Name: MC23573-2F Acquired: 8/16/2013 19:11:59 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0005**	**2.633**	**.0002**	**.0044**	**.0123**	**.0141**	**.0033**	**13.22**	**.0000**
Stddev	.0004	.016	.0008	.0006	.0000	.0002	.0000	.01	.0000
%RSD	78.37	.6114	370.0	13.09	.2738	1.271	.3587	.0644	329.6
#1	-.0008	2.622	.0008	.0040	.0124	.0140	.0033	13.23	.0000
#2	-.0002	2.645	-.0004	.0048	.0123	.0142	.0033	13.22	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0244**	**-.0001**	**.0003**	**17.62**	**5.613**	**7.848**	**.5540**	**-.0004**	**32.98**
Stddev	.0001	.0000	.0001	.01	.006	.011	.0023	.0000	.00
%RSD	.3030	20.91	27.21	.0585	.1150	.1366	.4167	1.581	.0136
#1	.0244	-.0001	.0004	17.63	5.608	7.855	.5556	-.0004	32.97
#2	.0245	-.0001	.0003	17.62	5.618	7.840	.5524	-.0004	32.98

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0700**	**-.0007**	**.0004**	**-.0015**	**-.0002**	**.0003**	**15.79**	**-.0001**	**.1014**
Stddev	.0003	.0000	.0010	.0013	.0003	.0001	.00	.0001	.0005
%RSD	.3621	2.042	288.4	92.23	165.6	18.54	.0296	47.80	.5100
#1	.0702	-.0007	.0011	-.0024	.0000	.0003	15.79	-.0001	.1010
#2	.0698	-.0007	-.0004	-.0005	-.0004	.0003	15.79	-.0001	.1018

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**-.0006**	**.0003**	**.0043**	**.0866**	**-.0892**
Stddev	.0001	.0005	.0003	.0054	.0003	.0003
%RSD	111.3	81.85	110.1	125.6	.3375	.3368
#1	.0001	-.0003	.0006	.0081	.0868	-.0890
#2	.0000	-.0010	.0001	.0005	.0864	-.0895

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3932.5**	**88492.**	**10045.**
Stddev	4.1	80.	5.
%RSD	.10418	.09033	.04635
#1	3929.6	88435.	10048.
#2	3935.4	88548.	10042.

Zoom In Zoom Out

Sample Name: MC23573-4F Acquired: 8/16/2013 19:16:52 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0003**	**8.785**	**-.0013**	**.0105**	**.0065**	**.0206**	**.0185**	**16.73**	**.0028**
Stddev	.0004	.002	.0002	.0008	.0001	.0001	.0001	.01	.0000
%RSD	141.4	.0184	14.62	7.169	1.621	.5003	.3726	.0822	.6428
#1	.0000	8.784	-.0014	.0100	.0064	.0205	.0185	16.74	.0028
#2	-.0006	8.787	-.0011	.0110	.0065	.0207	.0186	16.72	.0028

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0524**	**-.0003**	**.0007**	**40.36**	**7.432**	**20.36**	**1.219**	**-.0006**	**6.029**
Stddev	.0001	.0001	.0004	.01	.032	.02	.003	.0001	.030
%RSD	.2159	39.62	65.12	.0322	.4289	.0820	.2607	11.28	.4944
#1	.0523	-.0002	.0004	40.37	7.455	20.37	1.217	-.0006	6.050
#2	.0524	-.0004	.0010	40.35	7.410	20.35	1.221	-.0007	6.008

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.1794**	**-.0008**	**.0028**	**.0012**	**.0003**	**.0003**	**21.82**	**-.0001**	**.1324**
Stddev	.0003	.0006	.0000	.0009	.0008	.0006	.03	.0000	.0002
%RSD	.1758	76.15	1.140	77.35	231.1	213.4	.1372	2.726	.1733
#1	.1797	-.0012	.0029	.0006	-.0002	-.0001	21.84	-.0001	.1323
#2	.1792	-.0004	.0028	.0019	.0009	.0007	21.79	-.0001	.1326

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**-.0010**	**-.0002**	**.0043**	**.1621**	**-.1220**
Stddev	.000	.0005	.0004	.0033	.0007	.0002
%RSD	1630.	56.90	223.7	76.52	.4309	.1390
#1	.0002	-.0006	-.0005	.0020	.1616	-.1221
#2	-.0003	-.0014	.0001	.0067	.1626	-.1219

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3961.1**	**89793.**	**9905.9**
Stddev	4.3	151.	21.2
%RSD	.10980	.16800	.21400
#1	3964.1	89899.	9890.9
#2	3958.0	89686.	9920.9

Zoom In Zoom Out

Sample Name: MP21504-B1 Acquired: 8/16/2013 19:21:44 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.1979**	**2.029**	**.5270**	**.0015**	**.0000**	**1.981**	**.5028**	**24.74**	**.5068**
Stddev	.0026	.004	.0004	.0001	.0001	.009	.0038	.25	.0011
%RSD	1.327	.1869	.0806	5.201	125.1	.4301	.7483	.9953	.2229
#1	.1998	2.026	.5267	.0015	.0000	1.975	.5002	24.57	.5060
#2	.1960	2.032	.5273	.0014	.0001	1.987	.5055	24.92	.5076

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5096**	**.5074**	**.4690**	**1.982**	**25.73**	**25.34**	**.4866**	**-.0003**	**25.47**
Stddev	.0009	.0050	.0069	.006	.01	.16	.0056	.0001	.26
%RSD	.1700	.9900	1.475	.3132	.0438	.6500	1.156	44.48	1.026
#1	.5090	.5110	.4738	1.978	25.74	25.22	.4906	-.0002	25.28
#2	.5102	.5039	.4641	1.987	25.72	25.46	.4827	-.0003	25.65

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.4865**	**.9845**	**-.0005**	**-.0007**	**.5007**	**.5018**	**.0159**	**-.0010**	**.5002**
Stddev	.0004	.0026	.0027	.0020	.0010	.0012	.0008	.0002	.0040
%RSD	.0878	.2663	502.6	277.0	.2093	.2304	5.061	17.88	.7935
#1	.4862	.9826	.0014	.0007	.5000	.5009	.0154	-.0009	.4973
#2	.4868	.9863	-.0025	-.0022	.5015	.5026	.0165	-.0011	.5030

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4968**	**.4917**	**.5191**	**-.0009**	**.5076**	**-.0013**
Stddev	.0057	.0011	.0048	.0037	.0010	.0003
%RSD	1.144	.2238	.9227	409.2	.2046	26.06
#1	.5008	.4909	.5225	.0017	.5068	-.0016
#2	.4928	.4925	.5157	-.0035	.5083	-.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3873.0**	**89782.**	**9773.9**
Stddev	4.5	515.	104.0
%RSD	.11613	.57375	1.0643
#1	3876.2	89418.	9847.4
#2	3869.8	90146.	9700.3

Zoom In Zoom Out

Sample Name: MP21504-MB1 Acquired: 8/16/2013 19:26:31 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0000	-.0164	.0001	-.0002	-.0012	.0003	.0001	-.0254	.0000
Stddev	.0003	.0007	.0001	.0005	.0002	.0000	.0001	.0004	.000
%RSD	2025.	4.550	179.0	312.3	13.96	.1489	195.4	1.665	81.41
#1	.0002	-.0170	.0000	-.0005	-.0013	.0003	.0001	-.0251	.0000
#2	-.0002	-.0159	.0002	.0002	-.0011	.0003	.0000	-.0257	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0000	.0001	-.0002	-.0011	.0512	-.0143	.0000	-.0002	-.0074
Stddev	.0001	.0000	.0003	.0005	.0145	.0102	.0000	.0001	.0050
%RSD	1826.	30.01	116.3	42.56	28.28	71.25	750.4	29.79	67.03
#1	-.0001	.0001	.0000	-.0014	.0410	-.0071	.0000	-.0001	-.0039
#2	.0001	.0001	-.0005	-.0008	.0614	-.0215	.0000	-.0002	-.0109

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0000	.0001	.0002	-.0009	-.0003	.0002	.0219	-.0002	.0000
Stddev	.000	.0000	.0006	.0004	.0005	.0002	.0001	.0000	.000
%RSD	425.1	19.19	261.5	43.64	193.3	71.89	.3171	15.46	196.3
#1	-.0001	.0001	.0006	-.0006	.0001	.0001	.0220	-.0002	.0000
#2	.0000	.0001	-.0002	-.0012	-.0006	.0003	.0219	-.0002	-.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0003	-.0002	.0001	-.0016	-.0002	-.0010
Stddev	.0002	.0001	.0002	.0011	.0001	.0002
%RSD	80.39	62.09	200.9	67.61	27.88	19.48
#1	-.0005	-.0001	.0003	-.0023	-.0002	-.0008
#2	-.0001	-.0003	.0000	-.0008	-.0002	-.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3902.2	89798.	9746.4
Stddev	13.5	76.	45.9
%RSD	.34642	.08495	.47112
#1	3892.6	89744.	9778.8
#2	3911.7	89852.	9713.9

Zoom In Zoom Out

Sample Name: MP21504-S1 Acquired: 8/16/2013 19:31:28 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2040	2.232	.5308	.0007	.0136	1.980	.5016	28.28	.5053
Stddev	.0018	.013	.0017	.0006	.0002	.010	.0023	.10	.0006
%RSD	.8999	.5650	.3118	87.60	1.772	.5129	.4524	.3632	.1193
#1	.2027	2.241	.5296	.0003	.0137	1.988	.5032	28.35	.5049
#2	.2053	2.223	.5320	.0011	.0134	1.973	.5000	28.21	.5058

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5076	.5095	.4847	2.015	26.85	25.88	.6445	-.0003	38.10
Stddev	.0004	.0012	.0028	.001	.06	.15	.0027	.0001	.02
%RSD	.0729	.2370	.5696	.0276	.2396	.5903	.4216	26.50	.0547
#1	.5074	.5103	.4828	2.014	26.89	25.99	.6426	-.0004	38.12
#2	.5079	.5086	.4867	2.015	26.80	25.77	.6464	-.0003	38.09

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.4859	.9746	-.0015	.0032	.5021	.5003	3.537	-.0010	.5386
Stddev	.0003	.0016	.0006	.0007	.0018	.0005	.001	.0000	.0011
%RSD	.0591	.1640	36.89	21.90	.3491	.0990	.0279	3.881	.2108
#1	.4857	.9735	-.0011	.0037	.5009	.5000	3.536	-.0010	.5394
#2	.4861	.9757	-.0020	.0027	.5034	.5007	3.538	-.0010	.5378

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4999	.4899	.5250	-.0002	.5121	-.0218
Stddev	.0008	.0002	.0015	.0019	.0004	.0001
%RSD	.1667	.0430	.2900	895.0	.0688	.2814
#1	.4993	.4898	.5239	-.0016	.5118	-.0218
#2	.5004	.4901	.5261	.0011	.5123	-.0217

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3897.9	88824.	9970.4
Stddev	3.6	148.	69.1
%RSD	.09212	.16616	.69348
#1	3895.3	88720.	9921.5
#2	3900.4	88929.	10019.

Zoom In Zoom Out

Sample Name: MP21504-S2 Acquired: 8/16/2013 19:36:16 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2001	2.221	.5254	.0009	.0133	1.974	.4982	28.25	.5011
Stddev	.0011	.002	.0010	.0007	.0001	.002	.0017	.09	.0009
%RSD	.5606	.0972	.1816	81.76	.5581	.0943	.3396	.3008	.1742
#1	.1994	2.222	.5247	.0004	.0133	1.973	.4970	28.19	.5017
#2	.2009	2.219	.5261	.0014	.0134	1.975	.4994	28.31	.5005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5035	.5058	.4748	2.013	26.94	25.91	.6333	-.0003	37.94
Stddev	.0006	.0014	.0014	.008	.05	.01	.0018	.0002	.06
%RSD	.1184	.2778	.2854	.3774	.1865	.0339	.2855	44.86	.1538
#1	.5039	.5068	.4739	2.007	26.98	25.92	.6320	-.0002	37.90
#2	.5030	.5048	.4758	2.018	26.91	25.91	.6346	-.0005	37.98

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.4828	.9669	-.0022	.0022	.4982	.4954	3.490	-.0012	.5338
Stddev	.0005	.0012	.0011	.0005	.0003	.0001	.004	.0002	.0015
%RSD	.1028	.1265	50.55	22.77	.0545	.0295	.1001	15.36	.2837
#1	.4832	.9678	-.0029	.0018	.4980	.4953	3.493	-.0013	.5327
#2	.4825	.9660	-.0014	.0025	.4984	.4955	3.488	-.0010	.5348

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4953	.4880	.5189	.0003	.5057	-.0217
Stddev	.0002	.0006	.0020	.0008	.0001	.0001
%RSD	.0357	.1291	.3927	240.4	.0183	.4659
#1	.4952	.4875	.5174	.0008	.5057	-.0216
#2	.4954	.4884	.5203	-.0002	.5056	-.0218

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3888.2	89285.	9829.5
Stddev	1.1	334.	10.1
%RSD	.02755	.37449	.10308
#1	3887.5	89522.	9822.3
#2	3889.0	89049.	9836.6

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/16/2013 19:41:04 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2426	10.01	1.932	.0033	1.938	1.986	1.982	10.00	1.959
Stddev	.0000	.03	.000	.0006	.001	.001	.001	.01	.008
%RSD	.0136	.2891	.0067	17.93	.0380	.0589	.0393	.1488	.3899
#1	.2426	9.985	1.932	.0037	1.939	1.987	1.982	9.990	1.964
#2	.2427	10.03	1.932	.0029	1.938	1.985	1.983	10.01	1.953

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	2.036	1.957	1.897	10.10	10.23	9.975	1.961	1.948	10.07
Stddev	.007	.000	.006	.02	.04	.031	.008	.002	.05
%RSD	.3637	.0121	.2943	.1945	.3713	.3137	.3992	.1247	.4843
#1	2.041	1.957	1.893	10.12	10.20	9.997	1.967	1.950	10.03
#2	2.031	1.957	1.901	10.09	10.26	9.953	1.956	1.947	10.10

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	1.919	1.919	.0027	.0023	1.943	1.941	-.0371	1.993	2.034
Stddev	.001	.004	.0002	.0020	.005	.003	.0002	.007	.006
%RSD	.0520	.1801	7.518	86.74	.2819	.1726	.6439	.3624	.2926
#1	1.920	1.922	.0029	.0037	1.947	1.943	-.0373	1.998	2.030
#2	1.918	1.917	.0026	.0009	1.939	1.938	-.0370	1.988	2.038

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.976	1.925	1.985	-.0052	1.947	-.0050
Stddev	.002	.001	.003	.0028	.011	.0003
%RSD	.1075	.0434	.1242	53.50	.5808	5.089
#1	1.977	1.924	1.987	-.0032	1.955	-.0049
#2	1.974	1.925	1.983	-.0071	1.939	-.0052

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3938.6	90104.	9631.9
Stddev	8.8	239.	16.2
%RSD	.22335	.26565	.16870
#1	3932.4	89935.	9620.4
#2	3944.9	90274.	9643.4

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/16/2013 19:45:49 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.0011**	**.0001**	**.0001**	**.0002**	**.0001**	**.0001**	**-.0056**	**.0001**
Stddev	.0000	.0027	.0002	.0006	.0001	.0001	.0000	.0053	.0000
%RSD	18.69	246.2	111.8	536.8	25.55	50.95	29.49	94.55	51.01
#1	-.0002	-.0008	.0002	-.0003	.0002	.0002	.0001	-.0018	.0001
#2	-.0003	.0030	.0000	.0006	.0003	.0001	.0001	-.0093	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**-.0003**	**-.0002**	**-.0026**	**.0420**	**-.0324**	**.0000**	**.0027**	**-.0314**
Stddev	.0000	.0002	.0002	.0012	.0036	.0041	.000	.0006	.0099
%RSD	43.33	73.41	124.6	45.55	8.532	12.57	70.32	23.51	31.48
#1	.0001	-.0001	.0000	-.0018	.0445	-.0295	.0000	.0032	-.0244
#2	.0001	-.0004	-.0003	-.0035	.0394	-.0353	.0000	.0023	-.0383

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0000**	**.0004**	**.0009**	**.0009**	**.0003**	**-.0003**	**-.0064**	**.0000**	**.0000**
Stddev	.0002	.0001	.0004	.0036	.0005	.0006	.0003	.0001	.0001
%RSD	9909.	28.93	47.58	404.3	137.0	177.2	4.508	298.4	292.4
#1	-.0001	.0005	.0006	-.0017	.0000	.0001	-.0066	.0000	.0000
#2	.0001	.0003	.0012	.0035	.0007	-.0007	-.0062	.0001	.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0014**	**-.0004**	**-.0020**	**-.0002**	**.0015**
Stddev	.0001	.0008	.0005	.0011	.0000	.0007
%RSD	116.4	57.15	143.3	52.86	8.864	45.74
#1	.0000	.0019	.0000	-.0013	-.0002	.0010
#2	.0002	.0008	-.0007	-.0028	-.0002	.0020

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3940.4**	**87887.**	**9655.3**
Stddev	73.2	1733.	117.7
%RSD	1.8583	1.9717	1.2189
#1	3992.2	89112.	9572.1
#2	3888.7	86662.	9738.5

Zoom In Zoom Out

Sample Name: MC23514-1F Acquired: 8/16/2013 19:50:46 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.1952**	**-.0002**	**.0011**	**.0123**	**.0172**	**.0002**	**3.469**	**.0003**
Stddev	.000	.0090	.0004	.0004	.0000	.0000	.0001	.010	.0000
%RSD	479.5	4.631	208.2	36.71	.3769	.2865	30.19	.2929	12.46
#1	-.0001	.2016	-.0005	.0008	.0123	.0173	.0002	3.461	.0003
#2	.0000	.1888	.0001	.0014	.0122	.0172	.0002	3.476	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0016**	**.0000**	**.0001**	**.0498**	**1.485**	**1.009**	**.1470**	**.0005**	**12.19**
Stddev	.0002	.000	.0004	.0014	.012	.025	.0006	.0002	.02
%RSD	9.844	195.4	371.0	2.780	.8246	2.432	.4068	39.21	.1545
#1	.0017	-.0001	.0003	.0508	1.476	.9916	.1474	.0007	12.18
#2	.0015	.0000	-.0002	.0488	1.493	1.026	.1466	.0004	12.21

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0007**	**.0022**	**.0002**	**-.0004**	**.0001**	**.0004**	**3.360**	**-.0002**	**.0357**
Stddev	.0002	.0002	.0004	.0001	.0001	.0001	.002	.0001	.0000
%RSD	31.73	7.655	294.9	23.81	63.13	18.50	.0484	79.36	.0732
#1	.0005	.0021	-.0002	-.0003	.0001	.0004	3.361	-.0002	.0357
#2	.0008	.0024	.0005	-.0005	.0001	.0005	3.359	-.0001	.0358

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0004**	**-.0001**	**-.0004**	**.0044**	**.0073**	**-.0188**
Stddev	.0004	.0002	.0001	.0034	.0001	.0005
%RSD	81.71	161.6	30.05	76.41	1.543	2.867
#1	-.0002	-.0003	-.0003	.0068	.0074	-.0184
#2	-.0007	.0000	-.0005	.0020	.0072	-.0191

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3941.7**	**90881.**	**9819.2**
Stddev	9.7	525.	13.3
%RSD	.24536	.57760	.13544
#1	3934.8	90510.	9809.8
#2	3948.5	91253.	9828.6

Zoom In Zoom Out

Sample Name: MP21504-SD1 Acquired: 8/16/2013 19:55:42 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0031**	**.1579**	**-.0007**	**.0093**	**.0369**	**.0163**	**.0003**	**3.460**	**.0004**
Stddev	.0007	.0306	.0018	.0026	.0005	.0008	.0003	.170	.0002
%RSD	21.82	19.37	270.5	28.34	1.360	4.953	87.73	4.907	58.80
#1	-.0035	.1363	-.0019	.0074	.0365	.0158	.0001	3.340	.0002
#2	-.0026	.1796	.0006	.0111	.0372	.0169	.0005	3.580	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0017**	**-.0024**	**-.0005**	**.0357**	**1.550**	**.9644**	**.1508**	**.0004**	**12.31**
Stddev	.0002	.0011	.0008	.0130	.283	.1975	.0004	.0001	.76
%RSD	9.895	46.51	179.2	36.42	18.24	20.48	.2548	20.39	6.139
#1	.0016	-.0032	-.0011	.0265	1.350	1.104	.1510	.0003	11.78
#2	.0019	-.0016	.0001	.0449	1.750	.8247	.1505	.0004	12.85

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0013**	**.0063**	**-.0002**	**.0084**	**.0001**	**.0021**	**3.393**	**.0008**	**.0353**
Stddev	.0009	.0001	.0047	.0384	.0015	.0057	.002	.0009	.0021
%RSD	69.55	2.194	1942.	455.7	1112.	273.5	.0571	104.8	6.037
#1	.0007	.0064	-.0035	-.0187	-.0009	-.0020	3.392	.0015	.0338
#2	.0019	.0062	.0031	.0356	.0012	.0061	3.394	.0002	.0368

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0009**	**.0008**	**-.0012**	**-.0046**	**.0083**	**-.0187**
Stddev	.0017	.0009	.0018	.0023	.0001	.0012
%RSD	203.0	104.4	159.9	50.61	.9783	6.294
#1	-.0021	.0015	-.0025	-.0062	.0082	-.0195
#2	.0004	.0002	.0002	-.0029	.0083	-.0178

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3963.1**	**89775.**	**9894.6**
Stddev	4.6	370.	462.6
%RSD	.11671	.41250	4.6750
#1	3966.4	89513.	10222.
#2	3959.8	90037.	9567.5

Zoom In Zoom Out

Sample Name: MP21504-B2 Acquired: 8/16/2013 20:00:37 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2023**	**1.998**	**.5222**	**.0019**	**.0002**	**1.927**	**.4930**	**24.43**	**.4996**
Stddev	.0005	.007	.0034	.0012	.0002	.010	.0022	.05	.0052
%RSD	.2485	.3489	.6452	60.80	84.63	.5167	.4394	.2205	1.031
#1	.2019	1.993	.5246	.0027	.0004	1.920	.4915	24.39	.5032
#2	.2026	2.003	.5198	.0011	.0001	1.934	.4946	24.46	.4959

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5004**	**.5072**	**.4775**	**1.933**	**24.90**	**24.54**	**.4904**	**.0000**	**25.49**
Stddev	.0052	.0003	.0043	.010	.13	.10	.0003	.000	.02
%RSD	1.031	.0538	.9025	.5250	.5339	.4119	.0687	363.5	.0840
#1	.5041	.5070	.4744	1.926	24.80	24.47	.4902	.0001	25.50
#2	.4968	.5074	.4805	1.940	24.99	24.61	.4907	-.0001	25.47

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.4801**	**.9690**	**-.0015**	**-.0014**	**.4936**	**.4933**	**.0158**	**-.0009**	**.4922**
Stddev	.0048	.0115	.0016	.0008	.0058	.0040	.0013	.0003	.0012
%RSD	1.009	1.186	106.1	57.90	1.184	.8154	8.127	29.73	.2441
#1	.4835	.9771	-.0026	-.0008	.4978	.4962	.0168	-.0010	.4914
#2	.4767	.9609	-.0004	-.0020	.4895	.4905	.0149	-.0007	.4931

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4964**	**.4850**	**.5213**	**-.0017**	**.5026**	**-.0015**
Stddev	.0022	.0044	.0008	.0034	.0054	.0003
%RSD	.4418	.9119	.1508	203.3	1.065	20.44
#1	.4949	.4881	.5208	.0007	.5064	-.0013
#2	.4980	.4819	.5219	-.0041	.4989	-.0018

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3914.8**	**88570.**	**9875.7**
Stddev	37.4	150.	.8
%RSD	.95498	.16969	.00822
#1	3888.4	88463.	9876.3
#2	3941.3	88676.	9875.1

Zoom In Zoom Out

Sample Name: MP21504-MB2 Acquired: 8/16/2013 20:05:25 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0006**	**-.0088**	**.0005**	**.0005**	**-.0004**	**.0006**	**.0001**	**-.0202**	**.0000**
Stddev	.0006	.0014	.0000	.0003	.0001	.0002	.0000	.0000	.000
%RSD	93.79	15.68	8.879	59.58	20.95	30.71	26.90	.1208	911.0
#1	-.0002	-.0078	.0004	.0006	-.0005	.0007	.0001	-.0202	-.0001
#2	-.0010	-.0098	.0005	.0003	-.0003	.0005	.0001	-.0202	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**-.0001**	**.0003**	**-.0040**	**.0544**	**-.0354**	**.0000**	**-.0002**	**-.0176**
Stddev	.0000	.0001	.0001	.0010	.0001	.0105	.000	.0000	.0071
%RSD	27.61	110.6	26.07	26.18	.2078	29.69	624.0	18.98	40.62
#1	-.0001	-.0002	.0004	-.0032	.0543	-.0429	.0000	-.0003	-.0125
#2	-.0001	.0000	.0003	-.0047	.0545	-.0280	.0000	-.0002	-.0226

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**-.0001**	**.0008**	**.0004**	**.0021**	**-.0002**	**.0003**	**.0269**	**-.0001**	**.0000**
Stddev	.0001	.0005	.0018	.0028	.0006	.0007	.0002	.0000	.000
%RSD	75.83	64.73	436.0	133.1	391.7	280.3	.5589	4.344	316.6
#1	-.0001	.0011	-.0009	.0001	-.0006	-.0003	.0270	-.0001	.0000
#2	-.0002	.0004	.0017	.0041	.0003	.0008	.0267	-.0002	-.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0002**	**-.0003**	**.0003**	**.0011**	**.0005**	**-.0005**
Stddev	.0000	.0009	.0001	.0022	.0000	.0000
%RSD	18.63	338.7	15.93	207.7	1.644	5.324
#1	-.0001	.0004	.0003	-.0005	.0005	-.0004
#2	-.0002	-.0009	.0004	.0026	.0005	-.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3910.8**	**88932.**	**9814.5**
Stddev	3.1	540.	8.8
%RSD	.07849	.60736	.08950
#1	3908.6	88550.	9808.3
#2	3913.0	89314.	9820.7

Zoom In Zoom Out

Sample Name: MC23494-1 Acquired: 8/16/2013 20:10:22 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**1.136**	**.0065**	**.0011**	**.2236**	**.0718**	**.0000**	**45.29**	**.0001**
Stddev	.0003	.002	.0000	.0003	.0012	.0000	.0000	.22	.0000
%RSD	220.1	.1995	.7616	24.85	.5511	.0286	30.06	.4800	26.84
#1	.0001	1.138	.0065	.0013	.2245	.0719	.0000	45.13	.0001
#2	-.0003	1.135	.0065	.0009	.2227	.0718	.0000	45.44	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0007**	**.0017**	**.0042**	**3.296**	**16.46**	**11.61**	**.1577**	**.0113**	**173.4**
Stddev	.0001	.0004	.0000	.007	.01	.00	.0005	.0002	1.0
%RSD	9.015	25.37	.1826	.2173	.0494	.0336	.3321	2.069	.5599
#1	.0008	.0014	.0042	3.301	16.47	11.61	.1580	.0115	172.7
#2	.0007	.0020	.0042	3.291	16.45	11.61	.1573	.0112	174.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0024**	**.0369**	**-.0022**	**.0028**	**.0019**	**.0005**	**8.896**	**-.0001**	**.2881**
Stddev	.0000	.0008	.0001	.0010	.0004	.0004	.046	.0002	.0014
%RSD	.8519	2.082	5.276	33.91	19.67	69.90	.5183	149.3	.4828
#1	.0024	.0375	-.0021	.0021	.0017	.0003	8.928	-.0002	.2871
#2	.0024	.0364	-.0023	.0035	.0022	.0008	8.863	.0000	.2890

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0567**	**.0003**	**.0132**	**-.0039**	**.0252**	**-.0492**
Stddev	.0005	.0002	.0001	.0009	.0001	.0002
%RSD	.9653	72.99	.8556	23.38	.3804	.3453
#1	.0571	.0002	.0133	-.0046	.0253	-.0491
#2	.0563	.0005	.0131	-.0033	.0252	-.0493

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3846.9**	**87833.**	**9726.0**
Stddev	20.1	307.	9.7
%RSD	.52161	.34956	.09931
#1	3832.7	87616.	9719.2
#2	3861.1	88050.	9732.9

Zoom In Zoom Out

Sample Name: MC23494-1F Acquired: 8/16/2013 20:15:16 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.0164**	**.0050**	**.0004**	**.2284**	**.0576**	**.0000**	**43.88**	**.0001**
Stddev	.0001	.0045	.0002	.0007	.0003	.0001	.0000	.19	.0000
%RSD	73.73	27.67	3.171	161.7	.1234	.1232	228.2	.4355	36.32
#1	-.0001	.0196	.0049	.0009	.2282	.0576	.0000	43.75	.0001
#2	-.0003	.0132	.0051	-.0001	.2286	.0577	.0000	44.02	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0004**	**.0015**	**.0143**	**16.14**	**11.37**	**.1261**	**.0115**	**172.5**
Stddev	.0000	.0003	.0002	.0005	.06	.03	.0000	.0001	.3
%RSD	19.38	74.78	13.21	3.691	.3509	.2707	.0060	.5047	.1872
#1	.0002	.0007	.0017	.0147	16.18	11.39	.1261	.0115	172.3
#2	.0003	.0002	.0014	.0140	16.10	11.34	.1261	.0114	172.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0014**	**.0009**	**-.0028**	**.0000**	**.0021**	**-.0004**	**6.822**	**-.0002**	**.2782**
Stddev	.0001	.0003	.0007	.0020	.0003	.0007	.004	.0000	.0001
%RSD	6.488	29.14	24.64	7186.	12.11	186.9	.0628	6.445	.0478
#1	.0014	.0010	-.0023	.0014	.0019	-.0009	6.825	-.0002	.2781
#2	.0015	.0007	-.0032	-.0014	.0023	.0001	6.819	-.0003	.2783

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0012**	**-.0001**	**.0087**	**.0008**	**.0034**	**-.0375**
Stddev	.0000	.0003	.0003	.0025	.0001	.0005
%RSD	3.554	215.8	3.437	318.0	1.748	1.283
#1	.0013	.0001	.0085	-.0010	.0034	-.0379
#2	.0012	-.0003	.0089	.0026	.0034	-.0372

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3808.8**	**87619.**	**9719.9**
Stddev	12.9	31.	46.1
%RSD	.33815	.03505	.47413
#1	3799.7	87598.	9752.5
#2	3817.9	87641.	9687.3

Zoom In Zoom Out

Sample Name: MC23514-4F Acquired: 8/16/2013 20:20:10 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0007**	**.0616**	**.0000**	**-.0002**	**.0261**	**.1163**	**.0001**	**11.44**	**.0013**
Stddev	.0002	.0001	.0001	.0002	.0001	.0009	.0000	.06	.0000
%RSD	25.09	.1930	2033.	87.84	.2803	.7851	.3531	.4845	2.067
#1	-.0005	.0616	.0001	-.0004	.0261	.1157	.0001	11.41	.0013
#2	-.0008	.0615	-.0001	-.0001	.0262	.1170	.0001	11.48	.0013

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0100**	**-.0002**	**.0131**	**.0730**	**34.43**	**2.398**	**.2253**	**.0002**	**58.99**
Stddev	.0001	.0001	.0000	.0019	.28	.040	.0016	.0000	.08
%RSD	1.244	77.59	.0466	2.548	.8138	1.653	.7314	2.511	.1349
#1	.0099	-.0003	.0131	.0743	34.23	2.370	.2241	.0002	58.94
#2	.0101	-.0001	.0131	.0717	34.62	2.426	.2264	.0002	59.05

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0055**	**.0019**	**-.0004**	**-.0014**	**.0001**	**.0005**	**8.632**	**-.0002**	**.0698**
Stddev	.0000	.0003	.0007	.0023	.0001	.0004	.008	.0001	.0000
%RSD	.5996	14.07	188.3	162.5	152.1	86.61	.0921	56.60	.0692
#1	.0056	.0018	.0001	.0002	.0000	.0002	8.626	-.0001	.0698
#2	.0055	.0021	-.0009	-.0030	.0002	.0008	8.637	-.0003	.0697

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0003**	**.0002**	**.0013**	**.0167**	**.0789**	**-.0487**
Stddev	.0001	.0004	.0000	.0052	.0003	.0002
%RSD	44.75	167.0	2.643	31.26	.3417	.4635
#1	-.0003	.0000	.0013	.0130	.0790	-.0488
#2	-.0002	.0005	.0013	.0203	.0787	-.0485

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3897.9**	**90210.**	**9801.2**
Stddev	6.4	587.	99.9
%RSD	.16523	.65117	1.0192
#1	3893.4	90625.	9871.9
#2	3902.5	89794.	9730.6

Zoom In Zoom Out

Sample Name: MC23514-5F Acquired: 8/16/2013 20:25:05 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.0420**	**-.0003**	**.0002**	**.0096**	**.0141**	**.0000**	**1.385**	**.0001**
Stddev	.0003	.0041	.0005	.0011	.0001	.0001	.0000	.004	.0000
%RSD	119.8	9.661	165.1	667.8	.9777	.4795	1177.	.3124	40.88
#1	.0000	.0392	.0001	-.0006	.0096	.0142	.0000	1.388	.0001
#2	-.0004	.0449	-.0007	.0009	.0097	.0141	.0000	1.382	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0001**	**.0004**	**.0014**	**.8187**	**1.142**	**.0173**	**-.0002**	**5.779**
Stddev	.0000	.0003	.0002	.0009	.0020	.004	.0000	.0000	.042
%RSD	107.5	464.4	44.23	61.18	.2479	.3489	.0939	17.58	.7300
#1	.0000	-.0002	.0005	.0020	.8201	1.140	.0173	-.0002	5.808
#2	.0000	.0003	.0003	.0008	.8172	1.145	.0173	-.0002	5.749

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0003**	**.0006**	**.0005**	**-.0014**	**.0002**	**.0010**	**3.785**	**-.0001**	**.0261**
Stddev	.0000	.0009	.0005	.0026	.0016	.0022	.004	.0003	.0001
%RSD	5.240	153.1	112.7	179.4	661.0	232.2	.1048	190.7	.4569
#1	.0003	.0012	.0001	.0004	.0013	-.0006	3.788	-.0003	.0262
#2	.0003	.0000	.0009	-.0032	-.0009	.0026	3.782	.0001	.0261

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0004**	**-.0004**	**-.0001**	**.0068**	**.0018**	**-.0208**
Stddev	.0001	.0005	.0002	.0010	.0000	.0005
%RSD	21.89	147.8	321.9	14.71	1.196	2.448
#1	-.0003	-.0007	-.0002	.0075	.0018	-.0211
#2	-.0005	.0000	.0001	.0061	.0018	-.0204

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3929.2**	**89345.**	**9721.9**
Stddev	8.3	491.	6.1
%RSD	.21073	.55010	.06272
#1	3923.4	89693.	9717.6
#2	3935.1	88998.	9726.3

Zoom In Zoom Out

Sample Name: MC23514-6F Acquired: 8/16/2013 20:30:01 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0003**	**.2520**	**.0006**	**.0006**	**.0350**	**.0835**	**.0003**	**10.99**	**.0007**
Stddev	.0002	.0164	.0002	.0011	.0002	.0052	.0000	.59	.0001
%RSD	48.35	6.513	39.94	179.5	.4652	6.266	10.11	5.387	12.20
#1	-.0004	.2636	.0007	.0014	.0348	.0872	.0003	11.41	.0007
#2	-.0002	.2404	.0004	-.0002	.0351	.0798	.0003	10.57	.0008

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0028**	**.0000**	**.0012**	**.0281**	**4.407**	**2.124**	**.1440**	**-.0001**	**99.15**
Stddev	.0001	.0001	.0003	.0037	.290	.092	.0052	.0001	5.44
%RSD	3.813	173.2	24.63	13.14	6.583	4.344	3.606	49.23	5.487
#1	.0029	.0001	.0014	.0307	4.612	2.189	.1477	-.0002	103.0
#2	.0027	.0000	.0010	.0255	4.202	2.058	.1404	-.0001	95.30

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0030**	**.0049**	**-.0008**	**-.0009**	**-.0006**	**.0001**	**3.415**	**-.0002**	**.0609**
Stddev	.0002	.0007	.0016	.0008	.0012	.0009	.004	.0002	.0040
%RSD	5.563	15.39	200.2	82.23	191.2	661.3	.1046	93.47	6.595
#1	.0029	.0043	-.0019	-.0004	.0002	-.0005	3.417	-.0003	.0637
#2	.0032	.0054	.0003	-.0015	-.0015	.0008	3.412	-.0001	.0580

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0004**	**-.0010**	**-.0005**	**.0143**	**.0121**	**-.0183**
Stddev	.0000	.0001	.0001	.0031	.0001	.0016
%RSD	3.651	9.031	14.84	21.33	.7009	8.672
#1	-.0004	-.0011	-.0004	.0165	.0122	-.0172
#2	-.0004	-.0009	-.0005	.0121	.0121	-.0195

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3981.5**	**89103.**	**9792.4**
Stddev	9.6	2661.	423.9
%RSD	.24188	2.9863	4.3291
#1	3974.7	87222.	9492.7
#2	3988.3	90985.	10092.

Zoom In Zoom Out

Sample Name: MC23514-7F Acquired: 8/16/2013 20:34:55 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0004**	**.0278**	**.0001**	**.0009**	**.0216**	**.0244**	**.0000**	**7.746**	**.0007**
Stddev	.0000	.0068	.0003	.0006	.0001	.0000	.0000	.067	.0001
%RSD	.1073	24.25	274.7	69.94	.6117	.1842	25.29	.8588	7.604
#1	-.0004	.0326	-.0001	.0004	.0217	.0244	.0000	7.793	.0007
#2	-.0004	.0231	.0004	.0013	.0215	.0243	.0000	7.699	.0007

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0005**	**.0002**	**.0019**	**.0125**	**1.964**	**1.211**	**.0300**	**-.0001**	**72.66**
Stddev	.0000	.0000	.0001	.0005	.008	.011	.0001	.0002	.33
%RSD	1.660	18.84	7.015	4.021	.4148	.9355	.2126	129.2	.4556
#1	.0005	.0002	.0020	.0121	1.970	1.219	.0300	.0000	72.90
#2	.0005	.0002	.0018	.0128	1.958	1.203	.0299	-.0003	72.43

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0019**	**.0007**	**-.0006**	**.0000**	**.0004**	**-.0002**	**1.764**	**-.0002**	**.0388**
Stddev	.0001	.0007	.0020	.0021	.0000	.0000	.009	.0002	.0004
%RSD	7.512	101.1	309.2	7709.	9.651	15.13	.4985	103.4	.9738
#1	.0018	.0002	.0008	.0015	.0004	-.0002	1.770	-.0003	.0390
#2	.0020	.0012	-.0021	-.0015	.0004	-.0002	1.757	.0000	.0385

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0003**	**.0000**	**.0002**	**.0105**	**.0257**	**-.0092**
Stddev	.0003	.0008	.0001	.0027	.0002	.0009
%RSD	87.00	5782.	85.96	26.01	.8074	9.528
#1	-.0001	-.0005	.0003	.0086	.0258	-.0098
#2	-.0005	.0006	.0001	.0125	.0256	-.0085

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3932.6**	**88884.**	**9639.5**
Stddev	22.8	42.	67.4
%RSD	.58083	.04754	.69971
#1	3916.4	88854.	9591.8
#2	3948.7	88914.	9687.2

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/16/2013 20:39:50 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2461**	**9.921**	**1.936**	**.0035**	**1.927**	**1.955**	**1.955**	**9.933**	**1.952**
Stddev	.0018	.010	.003	.0008	.004	.007	.004	.022	.008
%RSD	.7323	.1003	.1411	22.91	.2265	.3779	.2089	.2179	.3950
#1	.2448	9.928	1.934	.0041	1.924	1.961	1.958	9.949	1.946
#2	.2473	9.914	1.938	.0029	1.931	1.950	1.952	9.918	1.957

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.027**	**1.960**	**1.920**	**9.865**	**10.05**	**9.821**	**1.990**	**1.940**	**10.08**
Stddev	.006	.001	.008	.034	.06	.047	.005	.012	.01
%RSD	.2782	.0677	.4255	.3425	.6053	.4807	.2438	.6281	.0780
#1	2.023	1.961	1.914	9.889	10.10	9.854	1.986	1.931	10.07
#2	2.031	1.959	1.926	9.841	10.01	9.788	1.993	1.948	10.08

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**1.916**	**1.914**	**.0003**	**-.0016**	**1.933**	**1.935**	**-.0380**	**1.991**	**2.018**
Stddev	.001	.002	.0005	.0018	.003	.005	.0007	.005	.002
%RSD	.0748	.0996	165.0	109.3	.1582	.2685	1.862	.2657	.0744
#1	1.915	1.912	.0000	-.0004	1.930	1.931	-.0385	1.987	2.019
#2	1.917	1.915	.0006	-.0029	1.935	1.939	-.0375	1.995	2.016

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.983**	**1.920**	**1.999**	**-.0032**	**1.952**	**-.0057**
Stddev	.001	.004	.005	.0043	.005	.0007
%RSD	.0611	.2108	.2303	133.8	.2664	11.91
#1	1.984	1.917	1.996	-.0002	1.948	-.0052
#2	1.982	1.923	2.002	-.0063	1.956	-.0061

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3958.4**	**89093.**	**9661.3**
Stddev	12.5	254.	21.1
%RSD	.31604	.28472	.21876
#1	3967.3	89272.	9646.4
#2	3949.6	88914.	9676.3

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/16/2013 20:44:36 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**-.0107**	**.0003**	**.0002**	**.0001**	**.0003**	**.0001**	**-.0051**	**.0003**
Stddev	.0004	.0060	.0001	.0009	.0002	.0002	.0000	.0007	.0001
%RSD	208.5	56.34	39.42	584.1	135.9	60.43	2.694	13.96	25.40
#1	-.0004	-.0065	.0002	-.0005	.0000	.0002	.0001	-.0046	.0004
#2	.0001	-.0150	.0004	.0008	.0003	.0004	.0001	-.0056	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**-.0004**	**-.0005**	**-.0055**	**.0625**	**-.0433**	**.0001**	**.0028**	**-.0008**
Stddev	.0001	.0001	.0000	.0027	.0308	.0181	.0001	.0008	.0049
%RSD	41.69	28.37	10.38	49.31	49.35	41.67	102.1	29.61	633.6
#1	.0002	-.0004	-.0004	-.0036	.0407	-.0306	.0000	.0034	-.0042
#2	.0001	-.0003	-.0005	-.0074	.0843	-.0561	.0001	.0022	.0027

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0002**	**.0006**	**.0017**	**-.0014**	**.0004**	**.0004**	**-.0062**	**.0002**	**.0000**
Stddev	.0001	.0000	.0009	.0011	.0006	.0006	.0001	.0000	.0001
%RSD	62.22	4.596	53.81	75.58	144.0	170.2	1.330	7.601	246.4
#1	.0003	.0006	.0011	-.0007	.0009	.0008	-.0063	.0002	.0000
#2	.0001	.0006	.0024	-.0022	.0000	-.0001	-.0062	.0002	.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0012**	**-.0001**	**.0014**	**.0000**	**.0010**
Stddev	.0002	.0003	.0007	.0003	.0000	.0001
%RSD	174.9	26.71	511.0	21.42	83.87	7.078
#1	.0003	.0015	.0004	.0012	.0001	.0009
#2	.0000	.0010	-.0007	.0016	.0000	.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3935.8**	**89293.**	**9584.6**
Stddev	3.1	1072.	39.0
%RSD	.07964	1.2004	.40660
#1	3938.1	90051.	9612.2
#2	3933.6	88535.	9557.1

Zoom In Zoom Out

Sample Name: MC23514-8F Acquired: 8/16/2013 20:49:34 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0004**	**.1683**	**-.0002**	**.0008**	**.0126**	**.0169**	**.0002**	**3.598**	**.0003**
Stddev	.0004	.0000	.0001	.0007	.0001	.0002	.0001	.039	.0000
%RSD	113.4	.0222	43.77	90.21	.8440	1.385	44.59	1.083	16.70
#1	-.0007	.1683	-.0002	.0013	.0127	.0167	.0001	3.570	.0002
#2	-.0001	.1683	-.0001	.0003	.0125	.0170	.0002	3.625	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0016**	**.0001**	**.0014**	**.0501**	**1.491**	**1.029**	**.1503**	**.0007**	**12.68**
Stddev	.0001	.0003	.0001	.0003	.018	.008	.0000	.0001	.06
%RSD	5.870	259.1	4.850	.6875	1.235	.8202	.0051	15.96	.4591
#1	.0015	.0003	.0013	.0503	1.478	1.035	.1503	.0008	12.64
#2	.0017	-.0001	.0014	.0499	1.504	1.023	.1503	.0006	12.72

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0027**	**.0024**	**.0005**	**-.0004**	**-.0001**	**.0012**	**3.371**	**-.0002**	**.0355**
Stddev	.0001	.0003	.0013	.0020	.0000	.0002	.015	.0001	.0000
%RSD	3.148	14.36	255.7	548.5	59.28	18.61	.4301	55.64	.1410
#1	.0027	.0021	-.0004	-.0018	-.0001	.0013	3.360	-.0001	.0354
#2	.0026	.0026	.0015	.0011	.0000	.0010	3.381	-.0002	.0355

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0003**	**-.0005**	**.0003**	**.0169**	**.0098**	**-.0183**
Stddev	.0001	.0002	.0006	.0036	.0001	.0006
%RSD	42.37	43.85	177.2	21.48	.5873	3.281
#1	-.0003	-.0006	.0008	.0195	.0097	-.0178
#2	-.0002	-.0003	-.0001	.0144	.0098	-.0187

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3944.0**	**89318.**	**9811.5**
Stddev	7.4	64.	112.9
%RSD	.18644	.07204	1.1512
#1	3949.2	89272.	9891.4
#2	3938.8	89363.	9731.7

Zoom In Zoom Out

Sample Name: MC23515-1F Acquired: 8/16/2013 20:54:29 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.5806**	**.0002**	**.0010**	**.0119**	**.0744**	**.0003**	**7.042**	**.0006**
Stddev	.0001	.0041	.0008	.0004	.0003	.0002	.0000	.025	.0001
%RSD	62.23	.7108	421.0	42.52	2.884	.2714	.2526	.3519	8.629
#1	-.0001	.5777	.0007	.0014	.0117	.0743	.0003	7.025	.0006
#2	-.0002	.5835	-.0004	.0007	.0122	.0746	.0003	7.060	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0027**	**-.0002**	**.0013**	**.0090**	**3.099**	**2.072**	**.2226**	**.0000**	**131.5**
Stddev	.0000	.0002	.0001	.0019	.034	.013	.0004	.000	.2
%RSD	.3558	79.29	5.353	21.50	1.109	.6175	.1995	331.1	.1317
#1	.0027	-.0001	.0013	.0104	3.123	2.063	.2229	.0000	131.6
#2	.0027	-.0004	.0014	.0076	3.075	2.081	.2223	-.0001	131.3

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0022**	**.0001**	**-.0008**	**.0004**	**-.0003**	**.0003**	**3.045**	**-.0001**	**.0507**
Stddev	.0001	.0003	.0000	.0026	.0007	.0004	.001	.0000	.0004
%RSD	3.883	200.1	2.442	601.7	207.0	132.4	.0221	24.00	.7642
#1	.0022	.0003	-.0008	-.0014	.0001	.0006	3.045	-.0001	.0504
#2	.0023	-.0001	-.0007	.0023	-.0008	.0000	3.044	-.0001	.0509

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0006**	**-.0004**	**.0009**	**.0145**	**-.0165**
Stddev	.0001	.0005	.0001	.0003	.0000	.0001
%RSD	53.66	76.46	20.02	32.97	.2708	.4001
#1	.0001	.0010	-.0004	.0012	.0145	-.0164
#2	.0002	.0003	-.0003	.0007	.0146	-.0165

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3938.2**	**90041.**	**9716.8**
Stddev	4.0	106.	31.3
%RSD	.10255	.11761	.32203
#1	3935.3	90116.	9694.7
#2	3941.0	89966.	9738.9

Zoom In Zoom Out

Sample Name: MC23524-1 Acquired: 8/16/2013 20:59:25 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.0649**	**.0135**	**.0104**	**.1444**	**.3020**	**.0000**	**89.10**	**.0002**
Stddev	.0003	.0139	.0005	.0012	.0001	.0024	.0000	.41	.0000
%RSD	190.7	21.43	4.061	11.10	.0703	.7948	94.85	.4573	18.17
#1	-.0004	.0747	.0131	.0096	.1445	.3003	.0000	88.82	.0002
#2	.0001	.0551	.0139	.0112	.1443	.3037	.0001	89.39	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0012**	**.0009**	**.0526**	**3.407**	**1.891**	**15.01**	**7.897**	**.0008**	**46.83**
Stddev	.0000	.0002	.0005	.026	.005	.04	.052	.0000	.23
%RSD	.3471	20.55	1.009	.7600	.2486	.2580	.6640	4.533	.4809
#1	.0012	.0008	.0529	3.389	1.887	14.98	7.934	.0008	46.67
#2	.0012	.0011	.0522	3.426	1.894	15.04	7.860	.0008	46.99

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0017**	**.0151**	**-.0091**	**.0176**	**-.0004**	**-.0002**	**13.98**	**-.0003**	**.2571**
Stddev	.0003	.0007	.0005	.0000	.0003	.0012	.02	.0001	.0011
%RSD	16.33	4.697	5.051	.2284	89.31	799.6	.1291	44.15	.4106
#1	.0019	.0156	-.0094	.0176	-.0001	-.0010	14.00	-.0004	.2563
#2	.0015	.0146	-.0087	.0176	-.0006	.0007	13.97	-.0002	.2578

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0016**	**.0005**	**.0004**	**.0010**	**.0410**	**-.0773**
Stddev	.0001	.0004	.0003	.0035	.0001	.0002
%RSD	3.413	82.67	68.57	348.2	.2647	.2503
#1	.0016	.0008	.0002	-.0015	.0411	-.0775
#2	.0015	.0002	.0006	.0035	.0409	-.0772

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3887.9**	**89754.**	**9701.0**
Stddev	7.9	374.	31.0
%RSD	.20319	.41695	.31961
#1	3882.4	89489.	9723.0
#2	3893.5	90018.	9679.1

Zoom In Zoom Out

Sample Name: MC23524-2 Acquired: 8/16/2013 21:04:24 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**-.0113**	**.0046**	**.0092**	**.1533**	**.2603**	**.0000**	**91.44**	**.0004**
Stddev	.000	.0189	.0000	.0001	.0010	.0098	.0000	3.71	.0001
%RSD	450.7	167.5	.5802	.8842	.6378	3.762	206.9	4.062	27.60
#1	.0001	.0021	.0047	.0092	.1526	.2534	.0000	88.81	.0005
#2	-.0002	-.0247	.0046	.0091	.1540	.2673	.0000	94.06	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0086**	**.0006**	**.0063**	**.0027**	**2.210**	**15.64**	**7.073**	**.0011**	**49.25**
Stddev	.0001	.0000	.0008	.0006	.080	.60	.312	.0000	1.97
%RSD	.7776	7.822	12.75	22.97	3.632	3.864	4.413	3.307	4.006
#1	.0085	.0005	.0068	.0032	2.154	15.21	7.293	.0010	47.86
#2	.0086	.0006	.0057	.0023	2.267	16.06	6.852	.0011	50.65

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0091**	**.0066**	**-.0082**	**.0145**	**-.0006**	**.0004**	**13.35**	**.0000**	**.2684**
Stddev	.0002	.0006	.0002	.0019	.0004	.0004	.09	.000	.0110
%RSD	2.031	8.592	2.474	13.24	69.83	89.85	.7018	2260.	4.104
#1	.0090	.0070	-.0084	.0131	-.0003	.0002	13.28	-.0001	.2606
#2	.0093	.0062	-.0081	.0158	-.0009	.0007	13.41	.0001	.2762

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0003**	**.0009**	**.0005**	**.0001**	**.0375**	**-.0743**
Stddev	.0002	.0006	.0006	.0004	.0002	.0018
%RSD	70.18	67.13	132.9	582.1	.6646	2.358
#1	.0002	.0005	.0009	-.0002	.0373	-.0731
#2	.0005	.0013	.0000	.0004	.0377	-.0756

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3855.1**	**90893.**	**9181.0**
Stddev	18.9	3271.	296.2
%RSD	.49026	3.5986	3.2262
#1	3868.4	88580.	9390.4
#2	3841.7	93206.	8971.5

Zoom In Zoom Out

Sample Name: MC23524-3 Acquired: 8/16/2013 21:09:24 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**-.0114**	**.0016**	**.0099**	**.1584**	**.2199**	**.0000**	**85.12**	**.0010**
Stddev	.0001	.0014	.0001	.0009	.0004	.0005	.000	.13	.0000
%RSD	45.90	12.00	8.062	9.346	.2497	.2471	787.2	.1470	4.100
#1	-.0001	-.0123	.0015	.0093	.1581	.2203	.0000	85.03	.0010
#2	-.0002	-.0104	.0017	.0106	.1587	.2195	-.0001	85.21	.0010

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0040**	**.0014**	**.1217**	**.0265**	**2.216**	**14.54**	**7.055**	**.0013**	**46.79**
Stddev	.0001	.0002	.0000	.0010	.022	.02	.034	.0000	.06
%RSD	1.593	11.34	.0121	3.925	.9889	.1567	.4779	3.167	.1197
#1	.0040	.0015	.1217	.0272	2.200	14.53	7.079	.0013	46.75
#2	.0039	.0013	.1217	.0258	2.231	14.56	7.032	.0014	46.83

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0077**	**.0110**	**-.0079**	**.0179**	**-.0003**	**-.0001**	**13.12**	**.0007**	**.2504**
Stddev	.0001	.0005	.0005	.0006	.0003	.0006	.01	.0002	.0005
%RSD	1.182	4.542	6.775	3.079	120.2	468.2	.0978	35.08	.2096
#1	.0078	.0113	-.0076	.0183	-.0005	.0003	13.13	.0009	.2508
#2	.0077	.0106	-.0083	.0175	.0000	-.0006	13.11	.0005	.2501

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0004**	**.0005**	**.0010**	**-.0043**	**.0905**	**-.0717**
Stddev	.0001	.0002	.0001	.0030	.0001	.0004
%RSD	26.63	33.86	14.00	69.89	.1482	.4928
#1	.0004	.0004	.0009	-.0022	.0904	-.0719
#2	.0003	.0006	.0011	-.0064	.0906	-.0714

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3853.8**	**88171.**	**9574.6**
Stddev	3.1	295.	45.6
%RSD	.07925	.33434	.47615
#1	3851.6	88380.	9606.8
#2	3855.9	87963.	9542.4

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/16/2013 21:14:23 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0042**	**.1804**	**.0037**	**.0008**	**.0966**	**.0486**	**.0040**	**4.825**	**.0040**
Stddev	.0001	.0057	.0004	.0003	.0001	.0001	.0000	.013	.0001
%RSD	3.062	3.133	12.01	39.14	.0978	.1342	1.042	.2590	2.082
#1	.0043	.1764	.0034	.0010	.0967	.0487	.0039	4.834	.0041
#2	.0041	.1844	.0040	.0005	.0965	.0486	.0040	4.817	.0040

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0514**	**.0097**	**.0222**	**.0960**	**4.952**	**4.799**	**.0176**	**.0991**	**4.993**
Stddev	.0001	.0001	.0004	.0017	.017	.023	.0007	.0000	.004
%RSD	.2886	1.313	1.770	1.732	.3520	.4885	3.743	.0073	.0770
#1	.0515	.0098	.0220	.0972	4.965	4.816	.0172	.0991	4.996
#2	.0513	.0096	.0225	.0948	4.940	4.783	.0181	.0991	4.990

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0396**	**.0055**	**-.0005**	**.0026**	**.0058**	**.0104**	**.0024**	**.0999**	**.0098**
Stddev	.0004	.0004	.0005	.0001	.0008	.0003	.0019	.0006	.0001
%RSD	.9656	7.879	101.7	4.551	12.93	2.584	78.76	.5787	.8354
#1	.0398	.0058	-.0009	.0025	.0053	.0106	.0010	.1003	.0099
#2	.0393	.0052	-.0001	.0027	.0064	.0102	.0037	.0995	.0098

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0502**	**.0047**	**.0095**	**.0008**	**.0201**	**.0008**
Stddev	.0007	.0003	.0010	.0012	.0001	.0000
%RSD	1.450	6.070	10.26	156.8	.2873	3.813
#1	.0497	.0045	.0088	.0016	.0202	.0009
#2	.0508	.0049	.0102	-.0001	.0201	.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3992.4**	**90720.**	**9729.6**
Stddev	13.0	96.	23.2
%RSD	.32604	.10612	.23797
#1	3983.2	90788.	9746.0
#2	4001.6	90651.	9713.2

Zoom In Zoom Out

Sample Name: ICSA Acquired: 8/16/2013 21:19:17 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0006**	**516.1**	**.0009**	**.0427**	**.0005**	**.0019**	**.0001**	**454.0**	**.0003**
Stddev	.0000	10.9	.0007	.0009	.0001	.0002	.0001	.6	.0001
%RSD	5.844	2.115	78.85	2.165	17.54	9.573	86.90	.1217	40.06
#1	-.0006	523.8	.0014	.0434	.0006	.0018	.0001	454.4	.0004
#2	-.0006	508.4	.0004	.0421	.0005	.0021	.0000	453.7	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0002**	**-.0011**	**184.2**	**.0440**	**500.4**	**.0011**	**-.0026**	**.0269**
Stddev	.0002	.0001	.0002	2.0	.0157	7.1	.0000	.0000	.0105
%RSD	222.7	30.07	15.12	1.062	35.64	1.410	4.646	1.237	39.15
#1	-.0002	.0002	-.0012	185.5	.0329	505.3	.0011	-.0026	.0195
#2	.0000	.0001	-.0010	182.8	.0552	495.4	.0010	-.0026	.0344

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0017**	**-.0010**	**-.0077**	**-.0053**	**.0002**	**-.0047**	**.0264**	**-.0012**	**.0011**
Stddev	.0003	.0006	.0004	.0040	.0003	.0012	.0017	.0007	.0002
%RSD	15.66	61.81	4.789	76.34	117.8	26.26	6.337	60.41	14.56
#1	.0015	-.0014	-.0080	-.0024	.0000	-.0056	.0253	-.0007	.0012
#2	.0019	-.0005	-.0075	-.0081	.0004	-.0039	.0276	-.0017	.0010

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0075**	**-.0016**	**.0002**	**-.0174**	**.0002**	**.0029**
Stddev	.0002	.0005	.0001	.0055	.0002	.0008
%RSD	2.570	30.23	83.57	31.64	70.60	25.99
#1	.0073	-.0013	.0003	-.0213	.0001	.0034
#2	.0076	-.0020	.0001	-.0135	.0003	.0024

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3628.6**	**84711.**	**9306.5**
Stddev	5.9	1729.	82.0
%RSD	.16123	2.0414	.88129
#1	3632.8	83488.	9248.5
#2	3624.5	85934.	9364.5

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 8/16/2013 21:24:19 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**1.033**	**507.8**	**1.950**	**.5321**	**.9437**	**.4933**	**.4523**	**439.1**	**.9892**
Stddev	.045	8.3	.003	.0201	.0017	.0055	.0074	9.1	.0008
%RSD	4.324	1.634	.1749	3.774	.1775	1.119	1.639	2.072	.0788
#1	1.064	501.9	1.947	.5463	.9426	.4894	.4471	432.6	.9897
#2	1.001	513.7	1.952	.5179	.9449	.4972	.4576	445.5	.9886

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4524**	**.4765**	**.4947**	**180.8**	**.0187**	**488.8**	**.4755**	**.9181**	**-.0224**
Stddev	.0000	.0182	.0205	2.9	.0062	6.8	.0198	.0013	.0139
%RSD	.0015	3.819	4.146	1.585	32.87	1.385	4.172	.1433	62.29
#1	.4524	.4894	.5092	178.8	.0144	484.0	.4895	.9171	-.0322
#2	.4524	.4637	.4802	182.9	.0231	493.6	.4614	.9190	-.0125

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.8309**	**.8560**	**.5077**	**.4971**	**1.960**	**1.922**	**2.092**	**.9388**	**.9812**
Stddev	.0007	.0006	.0159	.0251	.001	.000	.002	.0017	.0154
%RSD	.0810	.0739	3.129	5.057	.0729	.0213	.0854	.1795	1.574
#1	.8304	.8565	.5190	.5149	1.959	1.922	2.091	.9376	.9703
#2	.8313	.8556	.4965	.4794	1.961	1.922	2.093	.9400	.9922

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5044**	**1.735**	**.5029**	**1.879**	**.8746**	**.4160**
Stddev	.0192	.000	.0194	.073	.0000	.0156
%RSD	3.808	.0135	3.859	3.890	.0046	3.751
#1	.5180	1.734	.5166	1.930	.8746	.4270
#2	.4909	1.735	.4892	1.827	.8746	.4050

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3649.7**	**83108.**	**9441.5**
Stddev	3.9	3114.	119.4
%RSD	.10754	3.7471	1.2645
#1	3646.9	80906.	9525.9
#2	3652.5	85311.	9357.1

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/16/2013 21:29:11 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2372**	**9.958**	**1.945**	**.0037**	**1.925**	**1.960**	**1.960**	**10.04**	**1.960**
Stddev	.0070	.053	.018	.0002	.018	.004	.009	.06	.019
%RSD	2.955	.5289	.9354	6.455	.9131	.1785	.4521	.6402	.9691
#1	.2422	9.921	1.958	.0035	1.937	1.957	1.954	9.993	1.973
#2	.2323	9.995	1.933	.0038	1.912	1.962	1.966	10.08	1.946

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.033**	**1.882**	**1.852**	**9.934**	**10.04**	**9.879**	**1.906**	**1.946**	**10.14**
Stddev	.023	.063	.051	.049	.05	.013	.057	.016	.06
%RSD	1.117	3.353	2.771	.4952	.4519	.1337	2.978	.8081	.6152
#1	2.049	1.927	1.888	9.900	10.01	9.869	1.946	1.957	10.10
#2	2.017	1.838	1.816	9.969	10.07	9.888	1.866	1.934	10.18

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**1.916**	**1.920**	**.0008**	**.0005**	**1.937**	**1.953**	**-.0365**	**1.999**	**2.021**
Stddev	.020	.024	.0002	.0012	.019	.017	.0020	.022	.008
%RSD	1.055	1.226	24.06	253.5	.9678	.8925	5.486	1.096	.4083
#1	1.930	1.937	.0009	.0014	1.950	1.966	-.0379	2.015	2.015
#2	1.901	1.903	.0007	-.0004	1.924	1.941	-.0350	1.984	2.027

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.902**	**1.914**	**1.916**	**.0067**	**1.970**	**.0521**
Stddev	.058	.023	.059	.0001	.021	.0145
%RSD	3.043	1.179	3.083	.9370	1.069	27.87
#1	1.943	1.930	1.958	.0067	1.985	.0624
#2	1.861	1.898	1.875	.0068	1.955	.0418

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3983.9**	**93427.**	**9638.4**
Stddev	25.6	2610.	15.1
%RSD	.64348	2.7937	.15619
#1	3965.8	91581.	9649.0
#2	4002.0	95272.	9627.7

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/16/2013 21:33:54 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0005**	**.0066**	**.0009**	**.0003**	**.0008**	**-.0001**	**.0000**	**-.0029**	**.0004**
Stddev	.0002	.0046	.0006	.0011	.0004	.0001	.0001	.0040	.0004
%RSD	41.10	69.20	68.10	346.3	45.93	59.80	153.6	136.9	105.1
#1	-.0004	.0099	.0005	.0011	.0005	-.0001	.0001	-.0001	.0001
#2	-.0007	.0034	.0013	-.0005	.0011	-.0001	.0000	-.0058	.0007

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0003**	**.0001**	**-.0004**	**-.0027**	**.0191**	**-.0139**	**.0000**	**.0030**	**-.0646**
Stddev	.0003	.0003	.0002	.0010	.0220	.0250	.000	.0005	.0035
%RSD	101.3	408.1	49.44	34.91	115.1	180.5	79.34	15.55	5.417
#1	.0001	.0002	-.0005	-.0021	.0035	-.0316	-.0001	.0033	-.0621
#2	.0005	-.0001	-.0003	-.0034	.0346	.0038	.0000	.0027	-.0671

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0003**	**.0013**	**.0001**	**-.0017**	**.0001**	**.0009**	**-.0069**	**.0004**	**.0000**
Stddev	.0003	.0007	.0021	.0019	.0006	.0004	.0005	.0003	.000
%RSD	97.28	54.51	2834.	114.9	436.5	45.18	7.620	82.63	281.5
#1	.0001	.0008	-.0014	-.0030	-.0003	.0011	-.0065	.0002	-.0001
#2	.0005	.0017	.0016	-.0003	.0005	.0006	-.0072	.0006	.0000

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0004**	F **.0021**	**-.0001**	**.0009**	**.0002**	**.0007**
Stddev	.0001	.0001	.0000	.0011	.0004	.0000
%RSD	15.48	3.867	24.71	121.3	217.3	4.401
#1	-.0004	.0021	-.0001	.0017	-.0001	.0007
#2	-.0004	.0020	.0000	.0001	.0004	.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3950.5**	**89369.**	**9773.5**
Stddev	10.5	129.	158.5
%RSD	.26506	.14445	1.6212
#1	3957.9	89278.	9661.4
#2	3943.1	89460.	9885.5

Zoom In Zoom Out

Sample Name: MP21512-B1 Acquired: 8/16/2013 21:38:52 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2019**	**2.031**	**.5314**	**.0021**	**.0003**	**1.993**	**.5094**	**24.42**	**.5126**
Stddev	.0017	.011	.0016	.0007	.0001	.002	.0012	.04	.0004
%RSD	.8446	.5337	.3031	32.34	28.39	.1006	.2356	.1798	.0820
#1	.2007	2.024	.5325	.0017	.0002	1.992	.5085	24.39	.5123
#2	.2031	2.039	.5302	.0026	.0003	1.995	.5102	24.45	.5129

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5156**	**.5189**	**.4828**	**1.985**	**25.29**	**24.93**	**.4996**	**.0005**	**25.34**
Stddev	.0003	.0069	.0057	.013	.07	.07	.0038	.0001	.01
%RSD	.0586	1.328	1.171	.6298	.2577	.2637	.7618	27.19	.0403
#1	.5154	.5140	.4788	1.994	25.25	24.89	.4969	.0006	25.33
#2	.5158	.5238	.4868	1.976	25.34	24.98	.5023	.0004	25.35

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.4911**	**.9850**	**-.0019**	**.0020**	**.5031**	**.5026**	**.0148**	**-.0010**	**.5051**
Stddev	.0004	.0034	.0004	.0034	.0003	.0002	.0000	.0001	.0005
%RSD	.0718	.3452	20.68	169.4	.0616	.0476	.1654	12.36	.0934
#1	.4914	.9874	-.0021	.0044	.5029	.5028	.0148	-.0010	.5048
#2	.4909	.9826	-.0016	-.0004	.5034	.5024	.0148	-.0011	.5054

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5065**	**.4978**	**.5325**	**-.0014**	**.5173**	**.0000**
Stddev	.0032	.0002	.0036	.0028	.0004	.0001
%RSD	.6233	.0454	.6782	193.3	.0681	268.5
#1	.5043	.4976	.5299	.0005	.5175	.0000
#2	.5088	.4979	.5350	-.0034	.5170	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3866.1**	**87832.**	**9562.5**
Stddev	1.1	741.	19.6
%RSD	.02941	.84329	.20467
#1	3865.3	88356.	9576.3
#2	3866.9	87309.	9548.7

Zoom In Zoom Out

Sample Name: MP21512-MB1 Acquired: 8/16/2013 21:43:38 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0004**	**-.0092**	**.0003**	**-.0002**	**-.0013**	**.0000**	**.0000**	**-.0295**	**.0000**
Stddev	.0002	.0121	.0003	.0002	.0002	.000	.0000	.0000	.0000
%RSD	38.46	131.8	92.62	99.57	13.58	542.0	132.9	.0844	135.9
#1	-.0005	-.0006	.0006	-.0004	-.0012	-.0001	.0000	-.0295	.0001
#2	-.0003	-.0177	.0001	-.0001	-.0015	.0000	.0000	-.0295	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**-.0001**	**-.0001**	**-.0015**	**.0227**	**-.0307**	**-.0001**	**.0001**	**-.0583**
Stddev	.0000	.0001	.0003	.0000	.0191	.0015	.0000	.0000	.0116
%RSD	1.933	42.51	249.8	3.199	84.09	4.970	12.90	47.97	19.82
#1	-.0001	-.0002	-.0003	-.0015	.0092	-.0318	-.0001	.0001	-.0665
#2	-.0001	-.0001	.0001	-.0015	.0361	-.0296	-.0001	.0001	-.0501

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**-.0002**	**.0003**	**-.0006**	**.0025**	**.0005**	**.0009**	**.0211**	**-.0003**	**.0000**
Stddev	.0000	.0007	.0007	.0032	.0001	.0003	.0001	.0000	.000
%RSD	4.363	214.8	123.2	129.5	15.95	33.51	.4290	19.40	139.3
#1	-.0002	-.0002	-.0001	.0002	.0005	.0011	.0210	-.0002	.0000
#2	-.0002	.0008	-.0011	.0048	.0006	.0007	.0212	-.0003	-.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0004**	**-.0002**	**-.0001**	**.0005**	**-.0001**	**.0005**
Stddev	.0001	.0007	.0003	.0011	.0000	.0007
%RSD	28.65	365.8	296.3	216.4	20.67	123.1
#1	-.0004	.0003	.0001	.0013	-.0001	.0010
#2	-.0005	-.0007	-.0003	-.0003	-.0001	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3910.9**	**89749.**	**9581.4**
Stddev	4.7	458.	29.6
%RSD	.11896	.51067	.30934
#1	3907.6	89425.	9602.4
#2	3914.2	90073.	9560.4

Zoom In Zoom Out

Sample Name: MP21512-S1 Acquired: 8/16/2013 21:48:36 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.1991**	**2.079**	**.5304**	**.0007**	**.0293**	**2.065**	**.5127**	**53.89**	**.5126**
Stddev	.0008	.009	.0008	.0002	.0001	.017	.0045	.22	.0021
%RSD	.4053	.4245	.1552	21.17	.2594	.8433	.8854	.4174	.4085
#1	.1986	2.085	.5309	.0008	.0292	2.078	.5159	54.04	.5141
#2	.1997	2.073	.5298	.0006	.0293	2.053	.5095	53.73	.5111

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5137**	**.5146**	**.4727**	**2.068**	**27.92**	**29.93**	**.5027**	**.0265**	**59.40**
Stddev	.0023	.0024	.0014	.013	.29	.25	.0016	.0000	.07
%RSD	.4423	.4706	.2961	.6473	1.043	.8375	.3174	.0647	.1198
#1	.5153	.5129	.4737	2.077	28.12	30.11	.5016	.0265	59.45
#2	.5121	.5164	.4717	2.058	27.71	29.76	.5039	.0266	59.35

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.4893**	**.9856**	**-.0028**	**.0015**	**.5051**	**.5015**	**6.110**	**-.0011**	**.6553**
Stddev	.0002	.0014	.0007	.0053	.0019	.0023	.014	.0000	.0029
%RSD	.0346	.1392	24.60	352.4	.3688	.4575	.2288	1.546	.4407
#1	.4894	.9866	-.0023	-.0023	.5064	.5031	6.120	-.0011	.6574
#2	.4891	.9847	-.0033	.0053	.5038	.4999	6.100	-.0011	.6533

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5022**	**.4906**	**.5249**	**-.0001**	**.5215**	**-.0334**
Stddev	.0003	.0007	.0002	.0007	.0020	.0004
%RSD	.0551	.1386	.0448	1298.	.3781	1.333
#1	.5020	.4911	.5251	.0005	.5229	-.0337
#2	.5024	.4901	.5248	-.0006	.5201	-.0331

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3829.3**	**88920.**	**9411.0**
Stddev	15.8	807.	.0
%RSD	.41150	.90702	.00010
#1	3818.2	89491.	9411.0
#2	3840.4	88350.	9411.0

Zoom In Zoom Out

Sample Name: MP21512-S2 Acquired: 8/16/2013 21:53:21 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2021**	**2.094**	**.5347**	**.0009**	**.0292**	**2.073**	**.5138**	**53.49**	**.5160**
Stddev	.0003	.023	.0017	.0015	.0000	.006	.0010	.11	.0018
%RSD	.1261	1.116	.3208	163.8	.1677	.3096	.1989	.2009	.3532
#1	.2023	2.078	.5359	.0020	.0292	2.077	.5146	53.56	.5173
#2	.2019	2.111	.5335	-.0001	.0291	2.068	.5131	53.41	.5147

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5170**	**.5184**	**.4804**	**2.077**	**28.11**	**29.99**	**.5103**	**.0263**	**59.09**
Stddev	.0012	.0012	.0007	.001	.19	.10	.0005	.0000	.17
%RSD	.2381	.2317	.1421	.0358	.6754	.3422	.0994	.0507	.2846
#1	.5179	.5176	.4799	2.077	28.24	30.06	.5107	.0263	59.21
#2	.5161	.5193	.4809	2.076	27.97	29.92	.5099	.0262	58.97

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.4933**	**.9934**	**-.0023**	**.0013**	**.5080**	**.5029**	**6.034**	**-.0009**	**.6569**
Stddev	.0013	.0023	.0020	.0007	.0019	.0007	.021	.0003	.0005
%RSD	.2604	.2365	85.41	56.17	.3646	.1478	.3455	28.06	.0708
#1	.4942	.9950	-.0009	.0018	.5093	.5034	6.049	-.0011	.6566
#2	.4923	.9917	-.0037	.0008	.5067	.5023	6.019	-.0007	.6572

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5075**	**.4938**	**.5302**	**.0017**	**.5252**	**-.0333**
Stddev	.0002	.0001	.0005	.0010	.0002	.0002
%RSD	.0441	.0197	.0887	62.55	.0474	.7063
#1	.5073	.4937	.5305	.0024	.5254	-.0335
#2	.5076	.4938	.5298	.0009	.5250	-.0332

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3830.7**	**88571.**	**9500.8**
Stddev	15.1	192.	68.4
%RSD	.39339	.21713	.71976
#1	3820.0	88435.	9452.5
#2	3841.3	88707.	9549.2

Zoom In Zoom Out

Sample Name: MC23532-5F Acquired: 8/16/2013 21:58:07 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0004**	**.0051**	**-.0003**	**.0007**	**.0277**	**.0373**	**.0000**	**29.23**	**.0001**
Stddev	.0002	.0116	.0002	.0003	.0003	.0004	.0000	.07	.0001
%RSD	62.52	229.0	86.85	41.53	1.221	1.095	107.6	.2296	98.21
#1	-.0005	-.0031	-.0004	.0005	.0280	.0376	.0001	29.28	.0002
#2	-.0002	.0133	-.0001	.0010	.0275	.0370	.0000	29.18	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0002**	**.0001**	**.0473**	**2.041**	**4.410**	**.0137**	**.0263**	**33.89**
Stddev	.000	.0002	.0006	.0008	.033	.015	.0000	.0000	.08
%RSD	562.8	73.98	659.7	1.706	1.636	.3411	.1158	.1835	.2493
#1	.0000	.0001	.0005	.0479	2.018	4.420	.0137	.0263	33.95
#2	-.0001	.0003	-.0004	.0468	2.065	4.399	.0136	.0264	33.83

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0010**	**.0000**	**-.0024**	**-.0007**	**.0001**	**.0005**	**5.966**	**-.0001**	**.1484**
Stddev	.0001	.0001	.0005	.0006	.0002	.0013	.001	.0001	.0004
%RSD	9.290	648.8	22.23	80.07	389.0	275.0	.0108	102.1	.2788
#1	.0011	-.0001	-.0020	-.0011	.0002	-.0004	5.966	.0000	.1481
#2	.0010	.0001	-.0028	-.0003	-.0001	.0014	5.967	-.0002	.1487

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0015**	**-.0001**	**.0000**	**.0052**	**.0076**	**-.0316**
Stddev	.0002	.0007	.0001	.0018	.0001	.0001
%RSD	15.38	1108.	378.4	35.22	.7413	.2623
#1	.0013	.0004	.0001	.0039	.0076	-.0317
#2	.0017	-.0005	-.0001	.0065	.0077	-.0315

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3861.2**	**89261.**	**9454.3**
Stddev	1.2	414.	47.5
%RSD	.03026	.46386	.50291
#1	3860.4	89553.	9420.7
#2	3862.1	88968.	9488.0

Zoom In Zoom Out

Sample Name: MP21512-SD1 Acquired: 8/16/2013 22:03:02 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0004**	**-.0077**	**-.0010**	**.0027**	**.0556**	**.0390**	**.0000**	**29.58**	**.0006**
Stddev	.0011	.0511	.0008	.0017	.0006	.0007	.000	.18	.0001
%RSD	268.3	665.5	81.98	64.44	1.039	1.783	604.0	.6104	24.89
#1	-.0012	-.0439	-.0004	.0039	.0560	.0385	-.0002	29.46	.0005
#2	.0004	.0285	-.0016	.0015	.0552	.0395	.0001	29.71	.0007

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0008**	**-.0003**	**-.0030**	**.0362**	**2.324**	**4.621**	**.0134**	**.0260**	**34.30**
Stddev	.0004	.0024	.0006	.0002	.257	.006	.0002	.0003	.10
%RSD	46.34	698.1	21.05	.6563	11.05	.1289	1.376	1.335	.3043
#1	.0011	-.0020	-.0035	.0363	2.143	4.625	.0136	.0263	34.23
#2	.0006	.0013	-.0026	.0360	2.506	4.617	.0133	.0258	34.38

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0007**	**.0037**	**.0031**	**.0009**	**.0001**	**.0022**	**5.927**	**-.0004**	**.1483**
Stddev	.0007	.0013	.0014	.0118	.0031	.0006	.012	.0006	.0005
%RSD	89.00	34.24	45.57	1355.	3184.	27.87	.2047	146.3	.3528
#1	.0003	.0046	.0041	-.0075	.0023	.0026	5.936	-.0009	.1479
#2	.0012	.0028	.0021	.0092	-.0021	.0018	5.918	.0000	.1487

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0003**	**.0010**	**-.0022**	**.0033**	**.0080**	**-.0223**
Stddev	.0002	.0024	.0006	.0116	.0001	.0006
%RSD	70.84	247.4	29.41	353.7	1.412	2.494
#1	.0005	-.0007	-.0017	-.0049	.0079	-.0219
#2	.0002	.0027	-.0026	.0115	.0081	-.0227

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3915.5**	**89267.**	**9487.7**
Stddev	.8	453.	69.8
%RSD	.02007	.50776	.73613
#1	3916.0	88947.	9537.1
#2	3914.9	89588.	9438.4

Zoom In Zoom Out

Sample Name: MP21512-B2 Acquired: 8/16/2013 22:07:57 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2009**	**2.058**	**.5275**	**.0021**	**-.0003**	**1.998**	**.5090**	**24.67**	**.5120**
Stddev	.0008	.006	.0007	.0009	.0000	.001	.0008	.01	.0019
%RSD	.3779	.3139	.1307	43.46	10.30	.0424	.1636	.0225	.3747
#1	.2014	2.054	.5271	.0015	-.0003	1.998	.5084	24.66	.5107
#2	.2003	2.063	.5280	.0028	-.0003	1.999	.5096	24.67	.5134

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5149**	**.5185**	**.4761**	**2.001**	**25.59**	**25.25**	**.4933**	**-.0003**	**25.54**
Stddev	.0017	.0003	.0005	.002	.05	.07	.0008	.0000	.03
%RSD	.3388	.0658	.0985	.1151	.1881	.2665	.1565	2.635	.1041
#1	.5136	.5187	.4764	1.999	25.55	25.20	.4939	-.0003	25.56
#2	.5161	.5183	.4757	2.002	25.62	25.29	.4928	-.0003	25.52

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.4910**	**.9932**	**-.0009**	**.0019**	**.5022**	**.5011**	**.0167**	**-.0010**	**.5032**
Stddev	.0012	.0028	.0010	.0023	.0003	.0023	.0001	.0000	.0005
%RSD	.2459	.2795	114.3	122.6	.0584	.4661	.8700	3.738	.1047
#1	.4901	.9913	-.0016	.0035	.5020	.4995	.0166	-.0010	.5036
#2	.4919	.9952	-.0002	.0003	.5024	.5028	.0168	-.0009	.5028

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5038**	**.4951**	**.5284**	**-.0016**	**.5183**	**.0002**
Stddev	.0006	.0039	.0003	.0020	.0026	.0001
%RSD	.1115	.7813	.0622	125.5	.5026	70.24
#1	.5034	.4924	.5282	-.0031	.5165	.0002
#2	.5042	.4979	.5286	-.0002	.5202	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3870.4**	**89020.**	**9496.1**
Stddev	7.6	259.	7.9
%RSD	.19697	.29062	.08311
#1	3875.8	88837.	9490.5
#2	3865.0	89203.	9501.7

Zoom In Zoom Out

Sample Name: MC23532-2 Acquired: 8/16/2013 22:12:44 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.1941**	**-.0001**	**.0008**	**.3505**	**.0872**	**.0000**	**32.22**	**.0002**
Stddev	.0003	.0145	.0002	.0010	.0004	.0027	.0000	1.01	.0001
%RSD	369.8	7.456	265.8	127.4	.1165	3.041	18.64	3.140	26.67
#1	.0001	.1839	-.0002	.0001	.3508	.0853	.0000	31.51	.0002
#2	-.0003	.2043	.0001	.0015	.3502	.0891	.0000	32.94	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0002**	**-.0001**	**.1947**	**3.384**	**3.054**	**.4492**	**-.0002**	**175.8**
Stddev	.0000	.0002	.0006	.0010	.047	.098	.0199	.0001	5.4
%RSD	32.48	96.58	1033.	.5279	1.389	3.216	4.439	24.74	3.086
#1	.0001	.0004	.0004	.1954	3.351	2.985	.4633	-.0002	172.0
#2	.0001	.0001	-.0005	.1940	3.418	3.124	.4351	-.0003	179.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0009**	**.0001**	**-.0013**	**.0013**	**-.0004**	**-.0002**	**5.204**	**-.0004**	**.1827**
Stddev	.0001	.0001	.0009	.0019	.0002	.0001	.001	.0000	.0058
%RSD	9.074	37.49	70.42	144.5	55.75	57.63	.0186	3.816	3.190
#1	.0009	.0002	-.0019	.0027	-.0006	-.0004	5.204	-.0005	.1786
#2	.0010	.0001	-.0006	.0000	-.0003	-.0001	5.205	-.0004	.1869

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0085**	**.0005**	**.0010**	**.0005**	**.0045**	**-.0272**
Stddev	.0004	.0004	.0005	.0022	.0000	.0013
%RSD	5.128	75.49	45.88	451.7	.8206	4.859
#1	.0088	.0007	.0013	.0021	.0045	-.0263
#2	.0082	.0002	.0007	-.0011	.0045	-.0281

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3853.7**	**88741.**	**9292.7**
Stddev	5.9	3507.	238.6
%RSD	.15363	3.9521	2.5675
#1	3849.5	86262.	9461.4
#2	3857.9	91221.	9124.0

Zoom In Zoom Out

Sample Name: MC23532-2F Acquired: 8/16/2013 22:17:38 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0006**	**.0029**	**-.0001**	**-.0004**	**.3521**	**.0796**	**.0000**	**29.99**	**.0002**
Stddev	.0000	.0097	.0003	.0000	.0012	.0003	.0001	.28	.0001
%RSD	2.882	334.7	487.0	.0315	.3489	.3147	215.6	.9197	44.31
#1	-.0005	-.0040	.0002	-.0004	.3512	.0794	.0000	29.79	.0003
#2	-.0006	.0098	-.0003	-.0004	.3529	.0798	.0001	30.18	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**-.0003**	**.0001**	**.0148**	**3.155**	**2.830**	**.4441**	**-.0002**	**164.8**
Stddev	.000	.0002	.0006	.0004	.002	.104	.0049	.0000	1.2
%RSD	391.9	75.00	570.6	2.442	.0586	3.676	1.103	22.04	.7176
#1	.0000	-.0001	-.0003	.0146	3.156	2.757	.4476	-.0002	164.0
#2	.0000	-.0004	.0005	.0151	3.154	2.904	.4406	-.0001	165.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0023**	**.0001**	**-.0020**	**-.0010**	**-.0001**	**.0003**	**4.968**	**-.0005**	**.1699**
Stddev	.0001	.0001	.0006	.0011	.0001	.0005	.014	.0000	.0010
%RSD	3.145	120.3	28.37	111.7	127.5	197.5	.2815	3.062	.6145
#1	.0023	.0000	-.0024	-.0017	.0000	-.0001	4.958	-.0004	.1692
#2	.0024	.0002	-.0016	-.0002	-.0002	.0007	4.978	-.0005	.1706

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0007**	**.0001**	**.0001**	**.0095**	**.0061**	**-.0260**
Stddev	.0000	.0001	.0001	.0033	.0001	.0005
%RSD	6.495	108.0	52.53	34.73	1.228	2.022
#1	.0007	.0002	.0001	.0071	.0061	-.0257
#2	.0006	.0000	.0002	.0118	.0060	-.0264

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3831.4**	**89296.**	**9776.5**
Stddev	2.7	809.	91.0
%RSD	.06961	.90634	.93037
#1	3833.3	88724.	9840.9
#2	3829.5	89868.	9712.2

Zoom In Zoom Out

Sample Name: MC23532-3 Acquired: 8/16/2013 22:22:31 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0005**	**.2695**	**-.0007**	**.0009**	**.2586**	**.1064**	**.0000**	**46.59**	**.0002**
Stddev	.0002	.0121	.0001	.0005	.0008	.0005	.0000	.10	.0000
%RSD	29.39	4.502	9.439	53.63	.3020	.5031	23.83	.2247	25.24
#1	-.0006	.2781	-.0007	.0013	.2581	.1061	.0000	46.51	.0001
#2	-.0004	.2609	-.0008	.0006	.2592	.1068	.0000	46.66	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0003**	**.0004**	**.0000**	**.3014**	**5.571**	**5.356**	**.0504**	**-.0002**	**188.2**
Stddev	.0001	.0001	.0003	.0028	.006	.027	.0001	.0001	.8
%RSD	29.46	26.25	643.1	.9203	.1155	.5122	.1945	30.45	.4061
#1	.0002	.0003	.0002	.2994	5.576	5.375	.0505	-.0001	187.7
#2	.0003	.0005	-.0002	.3033	5.567	5.336	.0503	-.0002	188.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0004**	**-.0006**	**-.0017**	**.0001**	**-.0001**	**-.0009**	**4.883**	**-.0005**	**.1794**
Stddev	.0001	.0007	.0010	.0018	.0003	.0009	.014	.0000	.0010
%RSD	17.51	128.1	60.42	1736.	227.2	104.2	.2769	6.900	.5631
#1	.0004	-.0001	-.0010	-.0012	.0001	-.0016	4.874	-.0005	.1787
#2	.0003	-.0011	-.0024	.0014	-.0003	-.0002	4.893	-.0005	.1801

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0160**	**.0000**	**.0000**	**.0007**	**.0041**	**-.0246**
Stddev	.0001	.0006	.0002	.0009	.0001	.0005
%RSD	.6114	2496.	530.5	131.2	1.615	1.982
#1	.0160	-.0004	-.0001	.0014	.0041	-.0249
#2	.0161	.0005	.0002	.0001	.0042	-.0242

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3824.1**	**88184.**	**9462.6**
Stddev	.6	95.	51.5
%RSD	.01541	.10732	.54431
#1	3823.7	88117.	9426.2
#2	3824.5	88251.	9499.1

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/16/2013 22:27:25 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2494**	**9.715**	**1.947**	**.0039**	**1.928**	**1.907**	**1.912**	**9.801**	**1.970**
Stddev	.0010	.000	.002	.0009	.002	.007	.003	.001	.001
%RSD	.4148	.0017	.1033	22.09	.0954	.3625	.1307	.0112	.0711
#1	.2487	9.715	1.946	.0033	1.926	1.912	1.914	9.801	1.969
#2	.2501	9.715	1.949	.0045	1.929	1.902	1.910	9.802	1.971

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.041**	**1.968**	**1.950**	**9.583**	**9.815**	**9.548**	**2.007**	**1.952**	**10.13**
Stddev	.000	.000	.001	.009	.025	.033	.002	.006	.03
%RSD	.0100	.0178	.0586	.0896	.2591	.3458	.0918	.2884	.3093
#1	2.041	1.968	1.949	9.589	9.797	9.571	2.006	1.948	10.15
#2	2.041	1.968	1.951	9.577	9.833	9.525	2.008	1.956	10.10

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**1.922**	**1.927**	**.0010**	**.0028**	**1.937**	**1.956**	**-.0370**	**2.011**	**1.980**
Stddev	.001	.001	.0007	.0054	.000	.002	.0010	.001	.008
%RSD	.0386	.0619	68.14	196.5	.0053	.1007	2.770	.0467	.4126
#1	1.923	1.927	.0005	-.0011	1.937	1.957	-.0377	2.012	1.986
#2	1.921	1.926	.0014	.0066	1.937	1.954	-.0363	2.010	1.974

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.992**	**1.918**	**2.009**	**-.0043**	**1.987**	**-.0042**
Stddev	.003	.002	.002	.0002	.002	.0000
%RSD	.1282	.0941	.1143	4.398	.1100	.9188
#1	1.990	1.917	2.007	-.0042	1.988	-.0042
#2	1.994	1.920	2.010	-.0044	1.985	-.0042

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3948.5**	**89349.**	**9746.6**
Stddev	9.6	194.	20.6
%RSD	.24338	.21725	.21094
#1	3955.3	89486.	9732.1
#2	3941.7	89212.	9761.1

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/16/2013 22:32:09 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0006**	**-.0055**	**.0000**	**.0012**	**.0003**	**.0000**	**.0001**	**-.0066**	**.0001**
Stddev	.0002	.0043	.000	.0013	.0001	.0000	.0001	.0055	.0001
%RSD	40.27	78.82	60.48	103.3	46.39	321.2	63.05	83.85	62.81
#1	-.0007	-.0024	-.0001	.0003	.0004	.0000	.0001	-.0027	.0001
#2	-.0004	-.0085	.0000	.0022	.0002	.0000	.0000	-.0104	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**-.0001**	**-.0006**	**-.0043**	**.0000**	**-.0316**	**.0000**	**.0032**	**.0035**
Stddev	.0001	.0002	.0002	.0027	.002	.0092	.0001	.0009	.0032
%RSD	70.10	160.9	27.28	62.20	56070.	29.03	240.9	29.05	92.66
#1	.0001	.0000	-.0007	-.0062	.0015	-.0251	.0000	.0038	.0012
#2	.0002	-.0003	-.0005	-.0024	-.0015	-.0381	.0001	.0025	.0058

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0003**	**.0008**	**.0003**	**-.0020**	**-.0003**	**.0009**	**-.0067**	**.0001**	**.0000**
Stddev	.0001	.0005	.0008	.0003	.0000	.0014	.0005	.0001	.0001
%RSD	20.55	55.54	231.8	14.63	7.550	148.4	8.127	100.8	438.5
#1	.0002	.0011	.0009	-.0022	-.0003	.0000	-.0071	.0000	.0001
#2	.0003	.0005	-.0002	-.0018	-.0003	.0019	-.0064	.0001	.0000

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0016**	**.0000**	**.0011**	**-.0001**	**.0008**
Stddev	.0002	.0003	.000	.0031	.0000	.0004
%RSD	987.1	20.09	4117.	282.1	16.77	55.39
#1	-.0001	.0019	.0003	.0033	-.0001	.0011
#2	.0001	.0014	-.0003	-.0011	-.0001	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3978.3**	**89751.**	**9792.3**
Stddev	8.7	2.	87.2
%RSD	.21912	.00198	.88999
#1	3984.4	89752.	9854.0
#2	3972.1	89750.	9730.7

Zoom In Zoom Out

Sample Name: MC23532-3F Acquired: 8/16/2013 22:37:07 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0006**	**-.0077**	**-.0001**	**.0006**	**.2612**	**.1034**	**.0000**	**46.35**	**.0002**
Stddev	.0000	.0114	.0002	.0000	.0004	.0004	.000	.06	.0000
%RSD	1.128	148.6	126.9	3.599	.1659	.3613	352.8	.1391	13.99
#1	-.0006	.0004	.0000	.0006	.2615	.1036	.0000	46.31	.0002
#2	-.0006	-.0157	-.0003	.0006	.2609	.1031	.0000	46.40	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**-.0003**	**.0010**	**-.0010**	**5.408**	**5.153**	**.0441**	**.0005**	**189.6**
Stddev	.0001	.0001	.0002	.0015	.013	.008	.0001	.0002	.1
%RSD	43.33	34.90	18.70	155.0	.2342	.1537	.1217	31.99	.0561
#1	.0002	-.0002	.0009	-.0020	5.417	5.159	.0442	.0006	189.6
#2	.0001	-.0003	.0011	.0001	5.399	5.147	.0441	.0004	189.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0015**	**-.0004**	**-.0037**	**.0011**	**-.0003**	**.0021**	**4.532**	**-.0005**	**.1800**
Stddev	.0001	.0006	.0021	.0025	.0001	.0005	.003	.0002	.0003
%RSD	5.527	170.7	56.28	232.6	26.55	22.69	.0748	34.18	.1631
#1	.0016	.0001	-.0022	-.0007	-.0003	.0018	4.534	-.0004	.1798
#2	.0014	-.0008	-.0052	.0028	-.0002	.0024	4.529	-.0006	.1802

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0001**	**.0003**	**-.0003**	**.0012**	**.0064**	**-.0252**
Stddev	.0001	.0003	.0002	.0022	.0001	.0002
%RSD	126.1	86.33	79.02	185.0	1.020	.8071
#1	.0000	.0001	-.0004	-.0004	.0064	-.0253
#2	-.0002	.0005	-.0001	.0027	.0065	-.0250

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3818.1**	**87856.**	**9741.4**
Stddev	1.8	452.	2.8
%RSD	.04745	.51393	.02867
#1	3816.8	88175.	9743.4
#2	3819.4	87537.	9739.5

Zoom In Zoom Out

Sample Name: MC23532-4 Acquired: 8/16/2013 22:42:00 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0003**	**.0878**	**.0005**	**.0019**	**.6106**	**.0927**	**.0001**	**126.0**	**.0001**
Stddev	.0002	.0042	.0003	.0001	.0034	.0007	.0001	1.2	.0000
%RSD	47.76	4.749	63.72	7.747	.5639	.7635	88.54	.9397	37.47
#1	-.0002	.0907	.0008	.0018	.6082	.0932	.0000	126.8	.0001
#2	-.0004	.0848	.0003	.0020	.6131	.0922	.0001	125.2	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0008**	**.0007**	**.0018**	**3.112**	**10.58**	**12.43**	**1.364**	**.0002**	**191.9**
Stddev	.0002	.0003	.0002	.027	.08	.13	.011	.0001	1.1
%RSD	19.89	38.49	10.70	.8682	.7848	1.056	.8249	34.91	.5975
#1	.0009	.0009	.0019	3.131	10.64	12.52	1.372	.0002	192.7
#2	.0007	.0005	.0017	3.093	10.52	12.33	1.356	.0001	191.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0000**	**.0012**	**-.0075**	**.0059**	**-.0002**	**-.0003**	**4.873**	**-.0001**	**.5558**
Stddev	.000	.0000	.0025	.0018	.0005	.0004	.021	.0000	.0056
%RSD	515.7	2.529	33.32	30.81	307.5	164.7	.4233	46.37	1.016
#1	-.0001	.0012	-.0092	.0072	.0002	.0000	4.859	-.0001	.5598
#2	.0001	.0013	-.0057	.0046	-.0005	-.0006	4.888	.0000	.5518

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0070**	**.0005**	**.0003**	**-.0002**	**.0146**	**-.0264**
Stddev	.0009	.0001	.0001	.0025	.0001	.0002
%RSD	12.22	24.47	36.23	1406.	.8674	.7242
#1	.0076	.0004	.0003	-.0019	.0146	-.0262
#2	.0064	.0006	.0002	.0016	.0147	-.0265

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3757.0**	**87925.**	**9451.7**
Stddev	17.2	672.	87.4
%RSD	.45732	.76399	.92438
#1	3769.1	87450.	9389.9
#2	3744.8	88400.	9513.5

Zoom In Zoom Out

Sample Name: MC23532-4F Acquired: 8/16/2013 22:46:52 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0006**	**-.0168**	**-.0006**	**.0022**	**.6082**	**.0925**	**.0000**	**125.7**	**.0000**
Stddev	.0001	.0136	.0001	.0010	.0014	.0008	.0000	.4	.000
%RSD	16.30	80.78	16.31	44.89	.2221	.8698	184.8	.3545	73.24
#1	-.0007	-.0072	-.0005	.0029	.6072	.0920	.0000	125.4	.0000
#2	-.0006	-.0264	-.0006	.0015	.6091	.0931	.0000	126.1	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0006**	**.0002**	**.0002**	**1.572**	**10.69**	**12.35**	**1.343**	**.0001**	**190.6**
Stddev	.0000	.0000	.0000	.001	.10	.01	.004	.0000	.4
%RSD	2.324	9.218	11.44	.0516	.9058	.0994	.2892	24.19	.2053
#1	.0006	.0002	.0003	1.572	10.62	12.34	1.346	.0000	190.3
#2	.0006	.0002	.0002	1.573	10.76	12.36	1.340	.0001	190.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0001**	**.0007**	**-.0093**	**.0028**	**.0005**	**.0018**	**4.604**	**-.0003**	**.5559**
Stddev	.0000	.0004	.0008	.0001	.0003	.0011	.013	.0001	.0014
%RSD	27.85	62.37	8.722	5.370	67.47	62.63	.2728	42.24	.2551
#1	.0001	.0010	-.0099	.0027	.0002	.0025	4.595	-.0004	.5549
#2	.0001	.0004	-.0087	.0029	.0007	.0010	4.613	-.0002	.5569

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0007**	**.0002**	**-.0001**	**.0080**	**.0132**	**-.0239**
Stddev	.0003	.0004	.0003	.0076	.0001	.0001
%RSD	44.41	239.3	219.7	94.35	.4511	.3455
#1	.0009	-.0001	.0001	.0027	.0133	-.0240
#2	.0005	.0004	-.0004	.0134	.0132	-.0239

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3783.1**	**87600.**	**9414.6**
Stddev	5.7	294.	54.4
%RSD	.15133	.33524	.57749
#1	3779.1	87393.	9453.1
#2	3787.2	87808.	9376.2

Zoom In Zoom Out

Sample Name: MC23532-5 Acquired: 8/16/2013 22:51:44 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**2.123**	**.0007**	**.0004**	**.0274**	**.0529**	**.0001**	**28.57**	**.0001**
Stddev	.000	.072	.0001	.0007	.0000	.0016	.0001	.79	.0000
%RSD	617.0	3.413	15.53	176.4	.0944	3.052	83.58	2.764	14.19
#1	.0001	2.072	.0006	-.0001	.0274	.0517	.0001	28.01	.0001
#2	-.0001	2.175	.0008	.0009	.0274	.0540	.0000	29.12	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0010**	**.0031**	**.0032**	**2.380**	**2.609**	**4.870**	**.0628**	**.0256**	**33.63**
Stddev	.0001	.0004	.0003	.069	.085	.202	.0000	.0001	.77
%RSD	11.48	12.85	10.88	2.890	3.246	4.150	.0747	.4357	2.294
#1	.0009	.0028	.0034	2.331	2.549	4.727	.0628	.0257	33.08
#2	.0011	.0034	.0029	2.428	2.669	5.013	.0628	.0255	34.18

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0022**	**.0013**	**-.0005**	**.0013**	**-.0007**	**-.0003**	**9.832**	**.0001**	**.1483**
Stddev	.0000	.0004	.0017	.0027	.0001	.0001	.017	.0001	.0045
%RSD	.4928	30.73	339.0	203.7	8.956	34.90	.1719	204.0	3.006
#1	.0022	.0015	-.0017	.0033	-.0007	-.0002	9.844	.0002	.1451
#2	.0022	.0010	.0007	-.0006	-.0008	-.0004	9.820	.0000	.1514

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1322**	**-.0010**	**.0045**	**.0003**	**.0122**	**-.0541**
Stddev	.0023	.0001	.0006	.0008	.0000	.0000
%RSD	1.736	9.096	12.34	331.4	.2016	.0133
#1	.1338	-.0009	.0041	.0008	.0122	-.0541
#2	.1306	-.0011	.0048	-.0003	.0122	-.0541

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3892.7**	**88824.**	**9957.9**
Stddev	6.1	104.	228.6
%RSD	.15657	.11728	2.2957
#1	3888.4	88898.	10120.
#2	3897.0	88751.	9796.3

Zoom In Zoom Out

Sample Name: MC23532-7 Acquired: 8/16/2013 22:56:37 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0001**	**.1638**	**-.0010**	**.0002**	**.5819**	**.0804**	**.0001**	**29.34**	**.0006**
Stddev	.0000	.0079	.0002	.0001	.0001	.0007	.0001	.08	.0000
%RSD	18.01	4.820	18.83	69.29	.0111	.8700	105.7	.2740	1.152
#1	.0001	.1582	-.0009	.0001	.5819	.0809	.0001	29.39	.0006
#2	.0001	.1693	-.0012	.0003	.5820	.0799	.0000	29.28	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0016**	**-.0001**	**.0001**	**.0816**	**4.232**	**3.106**	**.1411**	**-.0002**	**124.9**
Stddev	.0000	.0003	.0000	.0024	.059	.027	.0003	.0000	.2
%RSD	1.543	471.4	33.14	2.956	1.406	.8766	.1956	4.972	.1947
#1	.0016	-.0003	.0001	.0833	4.274	3.125	.1412	-.0002	124.7
#2	.0016	.0002	.0001	.0799	4.190	3.087	.1409	-.0003	125.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0018**	**.0002**	**-.0022**	**.0009**	**-.0003**	**-.0002**	**6.086**	**-.0002**	**.1092**
Stddev	.0002	.0005	.0009	.0007	.0000	.0011	.003	.0000	.0003
%RSD	8.677	293.3	42.16	73.84	9.753	675.2	.0518	11.15	.2459
#1	.0019	-.0002	-.0029	.0004	-.0002	.0006	6.088	-.0002	.1094
#2	.0017	.0005	-.0016	.0014	-.0003	-.0009	6.084	-.0002	.1090

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0030**	**-.0001**	**.0002**	**.0013**	**.0066**	**-.0340**
Stddev	.0001	.0002	.0003	.0002	.0000	.0000
%RSD	1.988	182.5	214.5	13.77	.6107	.1375
#1	.0030	.0000	.0004	.0015	.0065	-.0339
#2	.0029	-.0003	-.0001	.0012	.0066	-.0340

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3954.7**	**90329.**	**9801.5**
Stddev	10.6	401.	71.6
%RSD	.26918	.44407	.73072
#1	3947.1	90613.	9750.8
#2	3962.2	90045.	9852.1

Zoom In Zoom Out

Sample Name: MC23532-7F Acquired: 8/16/2013 23:01:32 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.0755**	**.0000**	**.0011**	**.5896**	**.0833**	**.0001**	**30.21**	**.0006**
Stddev	.0001	.0119	.000	.0001	.0017	.0017	.0000	.59	.0001
%RSD	91.53	15.81	217.1	10.85	.2816	2.022	60.23	1.938	19.50
#1	-.0002	.0839	-.0001	.0011	.5908	.0845	.0001	30.63	.0007
#2	-.0001	.0671	.0000	.0010	.5885	.0821	.0000	29.80	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0016**	**-.0002**	**.0008**	**.0120**	**4.470**	**3.240**	**.1370**	**-.0002**	**127.7**
Stddev	.0000	.0000	.0002	.0018	.095	.035	.0020	.0000	2.2
%RSD	.8956	15.49	25.54	14.95	2.125	1.096	1.432	18.61	1.692
#1	.0016	-.0002	.0007	.0133	4.538	3.265	.1384	-.0002	129.2
#2	.0016	-.0002	.0010	.0107	4.403	3.215	.1356	-.0002	126.2

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0033**	**.0006**	**-.0001**	**.0018**	**-.0003**	**.0010**	**6.044**	**-.0003**	**.1128**
Stddev	.0000	.0009	.0010	.0022	.0005	.0004	.011	.0002	.0027
%RSD	.3343	148.0	854.5	120.2	184.8	45.60	.1814	61.70	2.395
#1	.0033	.0000	.0006	.0033	.0001	.0013	6.052	-.0002	.1147
#2	.0033	.0013	-.0008	.0003	-.0006	.0007	6.036	-.0005	.1109

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0001**	**-.0002**	**-.0004**	**.0019**	**.0086**	**-.0334**
Stddev	.0002	.0000	.0001	.0017	.0002	.0004
%RSD	141.9	27.23	21.63	91.13	1.767	1.191
#1	.0000	-.0002	-.0003	.0031	.0088	-.0331
#2	-.0002	-.0001	-.0005	.0007	.0085	-.0337

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3905.6	90387.	9500.9
Stddev	14.8	1340.	163.9
%RSD	.37793	1.4825	1.7251
#1	3895.1	89439.	9385.0
#2	3916.0	91334.	9616.7

Zoom In Zoom Out

Sample Name: MC23532-8 Acquired: 8/16/2013 23:06:25 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.0141**	**-.0005**	**.0009**	**.2553**	**.0342**	**.0000**	**32.30**	**.0004**
Stddev	.0002	.0132	.0002	.0001	.0008	.0001	.000	.01	.0000
%RSD	48.33	93.20	43.46	15.15	.2966	.2024	23.71	.0350	10.73
#1	.0003	.0048	-.0006	.0010	.2559	.0342	.0000	32.30	.0005
#2	.0005	.0234	-.0003	.0008	.2548	.0343	.0000	32.29	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0013**	**.0000**	**.0001**	**3.563**	**5.496**	**3.455**	**.4079**	**-.0002**	**16.85**
Stddev	.0001	.001	.0000	.011	.034	.012	.0036	.0000	.00
%RSD	9.877	1884.	69.56	.3199	.6188	.3442	.8849	13.99	.0010
#1	.0012	.0003	.0000	3.571	5.520	3.446	.4053	-.0002	16.85
#2	.0014	-.0004	.0001	3.555	5.472	3.463	.4104	-.0002	16.85

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0000**	**-.0002**	**-.0017**	**.0003**	**.0001**	**.0006**	**9.289**	**-.0003**	**.1548**
Stddev	.0001	.0004	.0000	.0020	.0004	.0002	.006	.0002	.0006
%RSD	1284.	230.5	2.027	628.4	254.2	37.94	.0618	66.74	.3824
#1	.0001	-.0004	-.0017	.0018	.0004	.0005	9.293	-.0002	.1552
#2	-.0001	.0001	-.0017	-.0011	-.0001	.0008	9.285	-.0005	.1544

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0003**	**-.0004**	**.0007**	**-.0013**	**.2405**	**-.0511**
Stddev	.0002	.0004	.0002	.0020	.0007	.0004
%RSD	75.42	87.70	22.24	151.6	.2788	.7970
#1	.0001	-.0007	.0008	.0001	.2410	-.0514
#2	.0005	-.0002	.0006	-.0027	.2401	-.0508

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3932.4	89755.	9625.8
Stddev	10.0	314.	35.6
%RSD	.25357	.34931	.36937
#1	3925.4	89977.	9650.9
#2	3939.5	89533.	9600.7

Zoom In Zoom Out

Sample Name: MC23532-8F Acquired: 8/16/2013 23:11:16 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**-.0225**	**-.0005**	**.0016**	**.2563**	**.0338**	**.0000**	**30.98**	**.0004**
Stddev	.0001	.0063	.0003	.0006	.0004	.0004	.000	.09	.0000
%RSD	34.23	28.12	58.20	39.26	.1385	1.156	617.2	.2851	.9634
#1	.0002	-.0180	-.0003	.0012	.2566	.0341	.0001	30.91	.0004
#2	.0003	-.0269	-.0008	.0021	.2561	.0336	-.0001	31.04	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0013**	**.0000**	**.0005**	**2.120**	**5.543**	**3.417**	**.3999**	**-.0003**	**16.42**
Stddev	.0001	.000	.0003	.001	.014	.054	.0018	.0002	.07
%RSD	5.641	98.32	65.23	.0352	.2527	1.585	.4442	54.54	.4076
#1	.0013	-.0001	.0007	2.121	5.553	3.456	.3986	-.0002	16.38
#2	.0014	.0000	.0003	2.120	5.533	3.379	.4012	-.0004	16.47

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0017**	**.0002**	**-.0017**	**.0007**	**.0001**	**-.0003**	**9.084**	**-.0005**	**.1482**
Stddev	.0001	.0002	.0010	.0015	.0000	.0001	.006	.0001	.0010
%RSD	3.901	97.55	56.47	234.8	14.05	40.93	.0629	28.58	.6718
#1	.0016	.0003	-.0024	-.0004	.0001	-.0002	9.088	-.0006	.1489
#2	.0017	.0000	-.0010	.0017	.0001	-.0004	9.080	-.0004	.1475

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0002**	**-.0005**	**.0002**	**.0060**	**.2665**	**-.0500**
Stddev	.0001	.0005	.0005	.0010	.0004	.0008
%RSD	36.66	91.72	231.6	17.23	.1338	1.591
#1	-.0002	-.0002	.0005	.0067	.2663	-.0505
#2	-.0001	-.0008	-.0001	.0052	.2668	-.0494

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3913.8	89566.	9605.8
Stddev	.2	466.	43.7
%RSD	.00520	.52016	.45475
#1	3913.7	89896.	9636.7
#2	3914.0	89237.	9574.9

Zoom In Zoom Out

Sample Name: MC23557-3F Acquired: 8/16/2013 23:16:09 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0005**	**-.0143**	**.0030**	**.0098**	**.0693**	**.9521**	**.0000**	**91.25**	**-.0001**
Stddev	.0001	.0009	.0002	.0004	.0001	.0048	.0000	.03	.0000
%RSD	12.22	6.393	6.668	3.751	.0834	.5012	36.50	.0376	48.26
#1	-.0005	-.0137	.0028	.0101	.0694	.9487	.0000	91.23	.0000
#2	-.0006	-.0150	.0031	.0096	.0693	.9554	.0001	91.28	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0002**	**-.0005**	**32.89**	**11.95**	**12.12**	**3.457**	**.0007**	**430.8**
Stddev	.0001	.0001	.0003	.11	.05	.03	.038	.0001	7.0
%RSD	465.8	43.85	64.17	.3339	.4307	.2722	1.104	12.38	1.635
#1	.0001	.0002	-.0007	32.81	11.91	12.14	3.484	.0006	435.8
#2	.0000	.0003	-.0003	32.96	11.99	12.10	3.430	.0008	425.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0006**	**-.0003**	**-.0023**	**.0063**	**-.0003**	**-.0003**	**8.245**	**-.0003**	**.4223**
Stddev	.0000	.0002	.0006	.0023	.0002	.0014	.014	.0002	.0007
%RSD	4.897	86.48	27.09	36.26	63.46	437.7	.1698	88.67	.1676
#1	.0005	-.0004	-.0027	.0079	-.0001	-.0013	8.235	-.0004	.4218
#2	.0006	-.0001	-.0018	.0047	-.0004	.0007	8.255	-.0001	.4228

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0002**	**.0013**	**.0005**	**.0120**	**.0037**	**-.0448**
Stddev	.0000	.0001	.0000	.0011	.0001	.0010
%RSD	25.24	11.10	7.680	9.118	1.649	2.286
#1	.0001	.0014	.0006	.0112	.0037	-.0441
#2	.0002	.0012	.0005	.0127	.0037	-.0455

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3780.9	88683.	9536.0
Stddev	4.9	1034.	62.9
%RSD	.12982	1.1658	.65998
#1	3777.5	87952.	9491.5
#2	3784.4	89414.	9580.5

Zoom In Zoom Out

Sample Name: MC23557-4F Acquired: 8/16/2013 23:21:08 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**-.0285**	**.0161**	**.0010**	**.2413**	**.1422**	**.0001**	**225.1**	**.0001**
Stddev	.0002	.0127	.0007	.0003	.0005	.0009	.0000	.7	.0000
%RSD	237.5	44.39	4.399	33.00	.1967	.6530	29.13	.2966	57.43
#1	.0001	-.0375	.0156	.0008	.2410	.1415	.0000	224.6	.0000
#2	-.0002	-.0196	.0166	.0013	.2417	.1428	.0001	225.6	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0005**	**-.0002**	**5.906**	**19.31**	**15.68**	**1.117**	**.0016**	**331.2**
Stddev	.0000	.0001	.0003	.029	.14	.08	.008	.0001	1.5
%RSD	77.17	25.59	185.9	.4930	.7092	.5321	.7049	4.780	.4630
#1	.0000	.0004	.0001	5.885	19.21	15.62	1.123	.0016	332.3
#2	.0001	.0006	-.0004	5.926	19.41	15.74	1.112	.0017	330.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0004**	**-.0013**	**-.0143**	**.0029**	**.0005**	**.0011**	**17.63**	**-.0002**	**.9587**
Stddev	.0000	.0004	.0003	.0030	.0003	.0006	.05	.0003	.0022
%RSD	8.812	33.57	2.268	104.3	70.85	56.76	.3036	149.7	.2333
#1	.0004	-.0016	-.0141	.0051	.0007	.0016	17.59	-.0005	.9571
#2	.0003	-.0010	-.0146	.0008	.0002	.0007	17.67	.0000	.9603

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0017**	**.0002**	**.0008**	**.0543**	**.0035**	**-.0960**
Stddev	.0001	.0003	.0005	.0021	.0001	.0006
%RSD	2.961	128.4	63.71	3.839	3.404	.5831
#1	.0017	.0005	.0005	.0528	.0034	-.0956
#2	.0017	.0000	.0012	.0557	.0035	-.0964

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3742.2**	**86753.**	**9501.6**
Stddev	3.1	621.	22.4
%RSD	.08393	.71529	.23528
#1	3740.0	86314.	9517.4
#2	3744.4	87192.	9485.7

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/16/2013 23:26:07 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2491**	**9.724**	**1.939**	**.0031**	**1.921**	**1.912**	**1.910**	**9.786**	**1.951**
Stddev	.0005	.012	.004	.0009	.008	.016	.005	.019	.007
%RSD	.2189	.1247	.2182	30.61	.4074	.8309	.2840	.1941	.3851
#1	.2495	9.733	1.936	.0037	1.916	1.923	1.914	9.772	1.945
#2	.2487	9.716	1.942	.0024	1.927	1.900	1.906	9.799	1.956

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.022**	**1.943**	**1.951**	**9.483**	**9.784**	**9.421**	**1.999**	**1.936**	**10.23**
Stddev	.006	.003	.003	.028	.093	.061	.002	.011	.04
%RSD	.3130	.1436	.1291	.2932	.9466	.6498	.0792	.5732	.3539
#1	2.017	1.945	1.952	9.503	9.849	9.465	2.000	1.928	10.26
#2	2.026	1.941	1.949	9.463	9.718	9.378	1.998	1.944	10.21

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**1.911**	**1.910**	**.0029**	**.0005**	**1.931**	**1.939**	**-.0393**	**1.990**	**1.996**
Stddev	.004	.007	.0000	.0029	.007	.005	.0014	.005	.010
%RSD	.2290	.3454	.7303	643.4	.3707	.2555	3.580	.2388	.5013
#1	1.908	1.906	.0028	-.0016	1.926	1.936	-.0403	1.987	2.003
#2	1.914	1.915	.0029	.0025	1.936	1.943	-.0383	1.993	1.989

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.978**	**1.909**	**1.995**	**-.0004**	**1.955**	**-.0069**
Stddev	.002	.009	.001	.0026	.005	.0001
%RSD	.0834	.4802	.0486	650.9	.2524	1.820
#1	1.979	1.902	1.995	-.0022	1.952	-.0068
#2	1.976	1.915	1.996	.0014	1.959	-.0070

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3973.2**	**89780.**	**9859.2**
Stddev	15.0	2.	105.7
%RSD	.37710	.00274	1.0724
#1	3983.8	89781.	9934.0
#2	3962.6	89778.	9784.5

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/16/2013 23:30:52 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0006**	**-.0044**	**.0003**	**.0007**	**.0004**	**.0000**	**.0001**	**-.0063**	**.0001**
Stddev	.0001	.0009	.0006	.0001	.0001	.0000	.0000	.0022	.0000
%RSD	25.48	20.65	223.0	11.42	34.10	500.7	13.70	35.12	2.630
#1	-.0007	-.0051	-.0002	.0007	.0005	.0000	.0001	-.0078	.0001
#2	-.0005	-.0038	.0007	.0006	.0003	.0000	.0001	-.0047	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**-.0001**	**-.0001**	**-.0022**	**.0570**	**-.0166**	**-.0001**	**.0028**	**.0918**
Stddev	.0002	.0003	.0002	.0013	.0516	.0087	.0001	.0007	.0100
%RSD	143.0	406.0	166.0	58.39	90.52	52.82	85.73	25.39	10.90
#1	.0000	-.0003	.0000	-.0013	.0935	-.0227	.0000	.0033	.0989
#2	.0002	.0001	-.0002	-.0031	.0205	-.0104	-.0001	.0023	.0847

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0002**	**.0006**	**.0009**	**.0024**	**-.0003**	**.0004**	**-.0060**	**.0002**	**.0001**
Stddev	.0001	.0000	.0022	.0037	.0003	.0006	.0009	.0001	.0000
%RSD	48.09	5.009	241.5	157.3	84.89	157.1	15.43	71.48	47.17
#1	.0003	.0007	-.0006	.0050	-.0005	.0000	-.0067	.0002	.0001
#2	.0001	.0006	.0024	-.0003	-.0001	.0008	-.0054	.0001	.0000

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0001**	**.0013**	**-.0001**	**.0024**	**-.0001**	**.0008**
Stddev	.0002	.0001	.0000	.0019	.0001	.0010
%RSD	173.3	8.346	51.64	77.57	93.67	121.9
#1	.0000	.0014	-.0001	.0038	-.0002	.0015
#2	-.0002	.0013	.0000	.0011	.0000	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3935.0**	**88765.**	**9650.2**
Stddev	11.5	996.	87.4
%RSD	.29305	1.1226	.90585
#1	3926.9	88061.	9588.4
#2	3943.2	89470.	9712.0

Zoom In Zoom Out

Sample Name: MC23557-5F Acquired: 8/16/2013 23:35:48 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**-.0189**	**.0009**	**.0008**	**.0207**	**1.115**	**.0000**	**83.93**	**.0000**
Stddev	.0002	.0039	.0005	.0004	.0001	.049	.000	3.17	.0000
%RSD	104.4	20.50	58.85	47.72	.3618	4.397	208.7	3.777	34.83
#1	.0000	-.0217	.0005	.0010	.0208	1.150	.0000	86.17	.0000
#2	-.0003	-.0162	.0012	.0005	.0207	1.081	-.0001	81.69	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0003**	**.0002**	**.0012**	**.4530**	**1.996**	**9.289**	**1.166**	**.0021**	**315.2**
Stddev	.0000	.0001	.0012	.0130	.091	.418	.023	.0001	12.2
%RSD	18.72	36.89	96.02	2.865	4.556	4.502	1.996	5.595	3.882
#1	.0002	.0002	.0020	.4622	2.061	9.585	1.182	.0020	323.8
#2	.0003	.0003	.0004	.4439	1.932	8.994	1.149	.0022	306.5

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0001**	**-.0005**	**-.0045**	**.0034**	**.0003**	**.0014**	**9.228**	**-.0005**	**.2487**
Stddev	.0001	.0007	.0003	.0008	.0005	.0003	.011	.0001	.0103
%RSD	80.96	129.1	6.423	23.19	172.6	18.46	.1162	21.19	4.139
#1	.0001	.0000	-.0047	.0028	-.0001	.0016	9.221	-.0006	.2560
#2	.0000	-.0010	-.0043	.0040	.0007	.0012	9.236	-.0004	.2414

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0010**	**-.0001**	**.0640**	**.0041**	**-.0495**
Stddev	.0001	.0005	.0003	.0036	.0001	.0008
%RSD	234.1	50.23	474.8	5.619	2.606	1.543
#1	.0000	.0014	-.0003	.0615	.0042	-.0489
#2	.0001	.0006	.0001	.0666	.0041	-.0500

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3789.6**	**86577.**	**9432.0**
Stddev	10.7	1729.	292.3
%RSD	.28114	1.9975	3.0991
#1	3782.1	85354.	9225.3
#2	3797.2	87799.	9638.7

Zoom In Zoom Out

Sample Name: MC23557-6F Acquired: 8/16/2013 23:40:49 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**-.0200**	**.0013**	**.0054**	**.0413**	**1.258**	**.0000**	**134.3**	**.0003**
Stddev	.0002	.0014	.0008	.0003	.0005	.011	.000	.9	.0000
%RSD	178.6	7.067	60.03	6.507	1.271	.9036	112.4	.6744	1.680
#1	-.0002	-.0190	.0018	.0051	.0417	1.267	.0000	134.9	.0003
#2	.0000	-.0210	.0007	.0056	.0410	1.250	.0000	133.6	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0075**	**-.0001**	**.0010**	**2.465**	**6.800**	**12.58**	**4.247**	**.0841**	F **680.4**
Stddev	.0001	.0001	.0005	.023	.010	.13	.035	.0002	7.7
%RSD	.7033	105.2	47.74	.9456	.1505	1.052	.8115	.2237	1.133
#1	.0075	-.0001	.0013	2.481	6.808	12.67	4.272	.0842	685.9
#2	.0074	.0000	.0006	2.448	6.793	12.49	4.223	.0840	675.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0013**	**-.0007**	**-.0079**	**.0102**	**.0001**	**.0006**	**6.664**	**-.0004**	**.4537**
Stddev	.0001	.0002	.0006	.0005	.0003	.0008	.018	.0001	.0020
%RSD	8.379	30.59	7.288	4.892	295.9	124.0	.2732	13.97	.4302
#1	.0014	-.0006	-.0084	.0098	.0003	.0012	6.677	-.0004	.4551
#2	.0012	-.0009	-.0075	.0105	-.0001	.0001	6.651	-.0004	.4524

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0003**	**.0026**	**-.0001**	**.0588**	**.0044**	**-.0345**
Stddev	.0000	.0001	.0003	.0044	.0001	.0001
%RSD	1.858	5.618	311.0	7.447	1.350	.2263
#1	.0003	.0025	-.0003	.0619	.0044	-.0345
#2	.0003	.0027	.0001	.0558	.0045	-.0344

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3688.4**	**85887.**	**9366.7**
Stddev	17.6	175.	113.1
%RSD	.47835	.20329	1.2070
#1	3676.0	85763.	9286.7
#2	3700.9	86010.	9446.6

Zoom In Zoom Out

Sample Name: MC23570-5 Acquired: 8/16/2013 23:45:53 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**-.0127**	**-.0005**	**.0004**	**.1471**	**.1397**	**.0000**	**99.09**	**.0060**
Stddev	.0004	.0013	.0010	.0003	.0001	.0003	.0000	.41	.0000
%RSD	716.6	9.891	190.3	63.76	.1010	.2489	38.98	.4096	.3235
#1	-.0003	-.0118	-.0012	.0006	.1472	.1399	.0000	99.38	.0060
#2	.0002	-.0136	.0002	.0002	.1470	.1394	.0000	98.80	.0059

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0008**	**.0006**	**.0641**	**15.52**	**12.77**	**.8847**	**.0006**	**288.4**
Stddev	.0000	.0003	.0002	.0023	.04	.14	.0003	.0000	2.0
%RSD	56.45	29.90	28.06	3.666	.2768	1.089	.0285	5.342	.6891
#1	.0000	.0010	.0008	.0657	15.55	12.87	.8848	.0007	289.8
#2	.0000	.0007	.0005	.0624	15.49	12.67	.8845	.0006	287.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0168**	**-.0005**	**-.0072**	**.0012**	**-.0001**	**.0026**	**9.854**	**-.0003**	**1.000**
Stddev	.0001	.0006	.0005	.0028	.0008	.0003	.011	.0003	.004
%RSD	.3159	114.7	6.363	239.6	706.6	10.99	.1098	104.5	.3751
#1	.0169	-.0001	-.0069	-.0008	-.0007	.0028	9.861	-.0001	1.003
#2	.0168	-.0009	-.0075	.0031	.0005	.0024	9.846	-.0006	.9976

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0010**	**.0005**	**-.0005**	**.0077**	**.0388**	**-.0531**
Stddev	.0001	.0003	.0003	.0045	.0000	.0001
%RSD	10.48	57.26	62.00	59.03	.0590	.2697
#1	.0010	.0003	-.0007	.0045	.0388	-.0532
#2	.0009	.0007	-.0003	.0109	.0388	-.0530

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3780.1**	**87481.**	**9551.0**
Stddev	8.7	85.	47.3
%RSD	.23007	.09721	.49542
#1	3773.9	87421.	9517.5
#2	3786.2	87541.	9584.4

Zoom In Zoom Out

Sample Name: MC23570-6 Acquired: 8/16/2013 23:50:51 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**-.0146**	**-.0005**	**.0145**	**.1403**	**.0529**	**.0000**	**147.9**	**.0002**
Stddev	.0002	.0173	.0010	.0024	.0000	.0007	.0001	.7	.0000
%RSD	140.1	118.5	195.1	16.42	.0257	1.241	111.4	.4501	10.27
#1	.0000	-.0269	.0002	.0128	.1403	.0524	.0000	147.4	.0002
#2	.0003	-.0024	-.0012	.0162	.1404	.0534	.0001	148.3	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0008**	**.0006**	**-.0002**	**39.04**	**9.451**	**30.51**	**5.404**	**.0015**	**152.8**
Stddev	.0000	.0001	.0002	.23	.017	.28	.005	.0000	1.0
%RSD	4.005	18.57	123.6	.5970	.1840	.9299	.0869	2.108	.6849
#1	.0008	.0007	-.0003	38.88	9.439	30.31	5.400	.0015	152.1
#2	.0008	.0005	.0000	39.21	9.463	30.71	5.407	.0015	153.6

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0014**	**-.0011**	**-.0074**	**.0123**	**-.0004**	**-.0005**	**19.94**	**-.0002**	**.7218**
Stddev	.0001	.0002	.0010	.0033	.0002	.0001	.00	.0000	.0005
%RSD	6.639	23.01	13.98	26.39	59.48	26.69	.0021	7.929	.0691
#1	.0015	-.0009	-.0067	.0100	-.0005	-.0004	19.94	-.0002	.7221
#2	.0014	-.0012	-.0081	.0146	-.0002	-.0006	19.94	-.0001	.7214

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0006**	**.0001**	**.0003**	**.0102**	**.0137**	**-.1094**
Stddev	.0003	.0012	.0004	.0017	.0001	.0002
%RSD	45.00	1210.	111.0	16.91	.7019	.2211
#1	.0004	-.0008	.0001	.0090	.0136	-.1096
#2	.0008	.0010	.0006	.0114	.0138	-.1092

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3788.5**	**87456.**	**9507.0**
Stddev	8.1	202.	100.9
%RSD	.21288	.23075	1.0609
#1	3794.2	87599.	9578.3
#2	3782.8	87313.	9435.6

Zoom In Zoom Out

Sample Name: MC23570-8F Acquired: 8/16/2013 23:55:49 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**-.0013**	**.0000**	**.0023**	**.1723**	**.0520**	**.0000**	**68.92**	**.0006**
Stddev	.000	.0081	.0002	.0010	.0004	.0001	.000	.04	.0001
%RSD	2367.	631.6	1594.	43.79	.2226	.2718	9.074	.0545	8.599
#1	.0001	.0044	.0002	.0016	.1720	.0519	.0000	68.90	.0006
#2	-.0001	-.0070	-.0001	.0031	.1725	.0521	.0000	68.95	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0062**	**.0004**	**.0009**	**.9338**	**12.09**	**15.36**	**1.527**	**.0034**	**91.07**
Stddev	.0000	.0002	.0005	.0039	.10	.16	.001	.0001	.13
%RSD	.3562	40.98	50.80	.4128	.8408	1.042	.0790	2.874	.1442
#1	.0062	.0003	.0006	.9365	12.16	15.47	1.528	.0034	91.16
#2	.0062	.0005	.0012	.9311	12.02	15.25	1.526	.0035	90.97

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0090**	**.0003**	**-.0040**	**.0054**	**-.0002**	**.0007**	**8.979**	**-.0003**	**.4095**
Stddev	.0000	.0000	.0002	.0035	.0002	.0009	.008	.0000	.0006
%RSD	.4760	1.528	5.159	65.33	102.9	128.4	.0870	16.43	.1487
#1	.0089	.0003	-.0041	.0029	-.0003	.0001	8.974	-.0003	.4099
#2	.0090	.0003	-.0038	.0078	.0000	.0013	8.985	-.0002	.4090

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0015**	**-.0005**	**-.0001**	**.0056**	**.0190**	**-.0499**
Stddev	.0002	.0003	.0003	.0022	.0001	.0002
%RSD	13.47	56.56	383.0	38.85	.2704	.3059
#1	.0013	-.0006	-.0002	.0071	.0189	-.0500
#2	.0016	-.0003	.0001	.0040	.0190	-.0497

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3861.7**	**90398.**	**9605.2**
Stddev	2.2	268.	33.8
%RSD	.05712	.29688	.35141
#1	3863.3	90588.	9581.3
#2	3860.1	90208.	9629.0

Zoom In Zoom Out

Sample Name: MC23571-1 Acquired: 8/17/2013 0:00:41 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.0841**	**-.0006**	**-.0003**	**.0185**	**.0134**	**.0000**	**8.662**	**.0001**
Stddev	.0000	.0083	.0010	.0005	.0002	.0000	.0000	.010	.0000
%RSD	20.99	9.826	156.0	194.7	.9826	.2541	496.6	.1184	17.65
#1	-.0002	.0899	-.0014	-.0006	.0183	.0134	.0000	8.655	.0001
#2	-.0003	.0782	.0001	.0001	.0186	.0133	.0000	8.669	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0004**	**-.0004**	**.1832**	**2.290**	**.8165**	**.0087**	**.0009**	**58.54**
Stddev	.0001	.0001	.0001	.0038	.053	.0035	.0000	.0001	.15
%RSD	458.6	15.50	34.34	2.092	2.313	.4251	.2531	8.258	.2633
#1	.0001	.0005	-.0003	.1805	2.327	.8189	.0087	.0009	58.43
#2	-.0001	.0004	-.0005	.1859	2.252	.8140	.0087	.0008	58.65

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0000**	**.0011**	**-.0013**	**-.0016**	**-.0003**	**.0004**	**3.561**	**-.0002**	**.0451**
Stddev	.0001	.0007	.0013	.0024	.0001	.0001	.003	.0001	.0002
%RSD	154.0	66.88	95.90	143.9	19.06	28.52	.0733	56.46	.4377
#1	.0000	.0006	-.0004	-.0033	-.0003	.0004	3.562	-.0003	.0452
#2	.0001	.0016	-.0022	.0000	-.0004	.0003	3.559	-.0001	.0449

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0038**	**-.0001**	**-.0003**	**.0019**	**.0110**	**-.0186**
Stddev	.0003	.0009	.0002	.0009	.0000	.0008
%RSD	8.509	1037.	62.04	48.11	.2618	4.136
#1	.0041	-.0007	-.0002	.0013	.0110	-.0191
#2	.0036	.0006	-.0005	.0026	.0110	-.0180

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3892.3**	**89240.**	**9601.4**
Stddev	5.9	364.	57.2
%RSD	.15200	.40809	.59527
#1	3896.5	89498.	9561.0
#2	3888.1	88983.	9641.8

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/17/2013 0:05:37 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0049**	**.1731**	**.0040**	**.0008**	**.0976**	**.0492**	**.0039**	**4.832**	**.0041**
Stddev	.0004	.0072	.0004	.0000	.0001	.0000	.0001	.041	.0000
%RSD	9.110	4.161	10.43	4.288	.0863	.0981	1.652	.8491	.9807
#1	.0052	.1680	.0037	.0008	.0976	.0492	.0040	4.803	.0041
#2	.0046	.1782	.0043	.0008	.0977	.0493	.0039	4.861	.0042

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0516**	**.0098**	**.0221**	**.0978**	**4.990**	**4.784**	**.0151**	**.0999**	**5.150**
Stddev	.0000	.0001	.0002	.0021	.058	.079	.0001	.0002	.024
%RSD	.0191	.7481	1.129	2.131	1.159	1.641	.4126	.1791	.4687
#1	.0516	.0097	.0220	.0963	4.949	4.728	.0151	.0997	5.133
#2	.0516	.0098	.0223	.0993	5.030	4.839	.0150	.1000	5.167

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0399**	**.0055**	**-.0002**	**.0029**	**.0066**	**.0104**	**-.0041**	**.1005**	**.0100**
Stddev	.0002	.0002	.0018	.0003	.0003	.0001	.0015	.0000	.0001
%RSD	.4031	4.340	767.6	10.77	4.732	1.111	35.77	.0333	1.225
#1	.0400	.0056	.0010	.0026	.0064	.0103	-.0052	.1005	.0099
#2	.0398	.0053	-.0015	.0031	.0068	.0104	-.0031	.1004	.0100

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0503**	**.0051**	**.0100**	**.0004**	**.0205**	**.0007**
Stddev	.0000	.0007	.0000	.0052	.0001	.0005
%RSD	.0270	14.37	.2332	1403.	.2720	67.28
#1	.0503	.0046	.0100	-.0033	.0205	.0004
#2	.0503	.0056	.0100	.0041	.0205	.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4007.3**	**91700.**	**9588.6**
Stddev	3.5	13.	106.2
%RSD	.08836	.01442	1.1076
#1	4004.8	91709.	9663.7
#2	4009.9	91690.	9513.5

Zoom In Zoom Out

Sample Name: CRIA Acquired: 8/17/2013 0:10:30 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0046**	**.1865**	**.0102**	**.0011**	**.0991**	**.0483**	**.0039**	**4.810**	**.0042**
Stddev	.0000	.0000	.0000	.0001	.0002	.0001	.0000	.002	.0000
%RSD	.1736	.0107	.3189	12.92	.2478	.1040	.0156	.0379	.0280
#1	.0046	.1866	.0101	.0010	.0990	.0484	.0039	4.808	.0042
#2	.0046	.1865	.0102	.0012	.0993	.0483	.0039	4.811	.0042

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0524**	**.0098**	**.0234**	**.0911**	**4.895**	**4.663**	**.0151**	**.1015**	**5.130**
Stddev	.0001	.0000	.0003	.0003	.004	.016	.0000	.0000	.020
%RSD	.2343	.3427	1.263	.2960	.0904	.3375	.1611	.0228	.3851
#1	.0524	.0099	.0232	.0913	4.899	4.674	.0151	.1015	5.116
#2	.0523	.0098	.0237	.0909	4.892	4.652	.0151	.1015	5.144

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0402**	**.0103**	**-.0002**	**.0038**	**.0102**	**.0101**	**-.0080**	**.1020**	**.0099**
Stddev	.0002	.0000	.0012	.0024	.0003	.0009	.0003	.0002	.0001
%RSD	.4323	.2095	533.3	64.81	2.670	8.487	4.189	.1535	.9461
#1	.0400	.0103	-.0011	.0055	.0104	.0107	-.0082	.1019	.0099
#2	.0403	.0103	.0006	.0020	.0100	.0095	-.0077	.1021	.0100

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0510**	**.0098**	**.0103**	**-.0025**	**.0206**	**.0003**
Stddev	.0001	.0004	.0000	.0010	.0000	.0004
%RSD	.2180	3.983	.0772	39.26	.1144	111.0
#1	.0511	.0101	.0103	-.0032	.0206	.0001
#2	.0510	.0095	.0103	-.0018	.0206	.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3932.5**	**89187.**	**9808.7**
Stddev	2.9	84.	73.1
%RSD	.07408	.09424	.74526
#1	3934.6	89246.	9860.4
#2	3930.4	89127.	9757.0

Zoom In Zoom Out

Sample Name: MP21505-B1 Acquired: 8/17/2013 0:15:22 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.1891**	**1.997**	**.5041**	**.0015**	**.0009**	**1.941**	**.4910**	**24.18**	**.4888**
Stddev	.0030	.151	.0024	.0003	.0001	.136	.0332	1.63	.0029
%RSD	1.580	7.573	.4751	21.94	16.39	6.990	6.753	6.727	.5839
#1	.1870	1.890	.5024	.0017	.0008	1.845	.4675	23.03	.4867
#2	.1912	2.104	.5058	.0012	.0010	2.036	.5144	25.33	.4908

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4897**	**.4842**	**.4428**	**1.930**	**25.23**	**24.65**	**.4611**	**.0000**	**25.31**
Stddev	.0028	.0101	.0070	.131	1.59	1.74	.0080	.000	1.49
%RSD	.5676	2.087	1.575	6.787	6.287	7.045	1.734	94.54	5.894
#1	.4878	.4771	.4379	1.837	24.11	23.42	.4554	.0000	24.25
#2	.4917	.4914	.4477	2.023	26.36	25.88	.4667	-.0001	26.36

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.4661**	**.9458**	**-.0016**	**.0041**	**.4754**	**.4772**	**.0058**	**.0031**	**.4884**
Stddev	.0030	.0053	.0004	.0001	.0020	.0019	.0004	.0003	.0339
%RSD	.6519	.5632	28.58	1.498	.4109	.3881	6.306	8.927	6.948
#1	.4640	.9420	-.0012	.0042	.4740	.4759	.0060	.0032	.4644
#2	.4683	.9495	-.0019	.0041	.4768	.4785	.0055	.0029	.5124

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4691**	**.4709**	**.4925**	**-.0031**	**.4949**	**-.0009**
Stddev	.0086	.0033	.0100	.0037	.0030	.0007
%RSD	1.838	.6955	2.029	120.3	.6105	81.10
#1	.4630	.4686	.4854	-.0056	.4928	-.0014
#2	.4752	.4732	.4995	-.0005	.4971	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3928.9**	**91467.**	**9436.6**
Stddev	22.1	1751.	522.7
%RSD	.56167	1.9139	5.5388
#1	3944.5	92705.	9806.2
#2	3913.3	90229.	9067.0

Zoom In Zoom Out

Sample Name: MP21505-MB1 Acquired: 8/17/2013 0:20:09 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**-.0151**	**.0004**	**.0011**	**-.0008**	**.0014**	**.0003**	**.0160**	**.0001**
Stddev	.0003	.0091	.0003	.0004	.0002	.0001	.0001	.0048	.0000
%RSD	153.4	60.33	68.50	32.03	23.32	8.568	24.34	29.63	28.77
#1	-.0003	-.0216	.0002	.0009	-.0007	.0013	.0002	.0127	.0002
#2	.0000	-.0087	.0006	.0014	-.0009	.0015	.0003	.0194	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0003**	**.0001**	**-.0003**	**.0189**	**.1051**	**.0076**	**.0005**	**-.0003**	**.1054**
Stddev	.0001	.0001	.0002	.0007	.0019	.0120	.0001	.0000	.0050
%RSD	20.80	71.24	60.36	3.524	1.776	157.4	9.776	14.60	4.756
#1	.0004	.0001	-.0005	.0184	.1038	-.0009	.0006	-.0003	.1089
#2	.0003	.0000	-.0002	.0194	.1065	.0161	.0005	-.0003	.1018

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0005**	**.0028**	**-.0003**	**.0003**	**-.0003**	**.0010**	**.0139**	**.0070**	**.0003**
Stddev	.0002	.0003	.0005	.0021	.0003	.0003	.0007	.0002	.0000
%RSD	31.38	11.48	147.6	679.2	77.88	27.71	4.958	2.830	10.52
#1	.0007	.0031	-.0007	.0018	-.0005	.0008	.0144	.0071	.0003
#2	.0004	.0026	.0000	-.0012	-.0002	.0012	.0134	.0068	.0003

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0003**	**.0015**	**.0003**	**-.0010**	**.0020**	**-.0004**
Stddev	.0001	.0004	.0003	.0032	.0001	.0004
%RSD	35.44	28.07	103.5	317.2	5.844	109.2
#1	.0002	.0018	.0001	.0012	.0021	-.0006
#2	.0003	.0012	.0005	-.0033	.0019	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4022.1**	**92183.**	**9663.8**
Stddev	2.1	568.	121.6
%RSD	.05153	.61566	1.2586
#1	4023.6	92584.	9577.8
#2	4020.7	91781.	9749.9

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/17/2013 0:25:07 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2478**	**9.776**	**1.932**	**.0035**	**1.925**	**1.930**	**1.919**	**9.781**	**1.958**
Stddev	.0046	.041	.002	.0013	.001	.012	.006	.009	.002
%RSD	1.874	.4225	.1126	36.50	.0604	.5998	.3084	.0956	.1080
#1	.2445	9.747	1.933	.0026	1.926	1.922	1.914	9.774	1.959
#2	.2511	9.806	1.930	.0044	1.925	1.938	1.923	9.788	1.956

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.029**	**1.966**	**1.944**	**9.556**	**9.967**	**9.473**	**1.996**	**1.938**	**10.10**
Stddev	.001	.034	.035	.033	.032	.025	.035	.006	.00
%RSD	.0594	1.711	1.808	.3458	.3197	.2694	1.776	.3027	.0184
#1	2.030	1.943	1.919	9.533	9.945	9.491	1.971	1.934	10.10
#2	2.028	1.990	1.969	9.579	9.990	9.455	2.022	1.942	10.10

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**1.910**	**1.913**	**.0015**	**.0036**	**1.932**	**1.946**	**-.0483**	**1.987**	**1.996**
Stddev	.001	.001	.0005	.0021	.001	.002	.0006	.001	.008
%RSD	.0554	.0651	31.56	58.71	.0478	.1232	1.340	.0652	.3858
#1	1.911	1.914	.0011	.0051	1.931	1.945	-.0478	1.988	1.991
#2	1.909	1.912	.0018	.0021	1.932	1.948	-.0487	1.986	2.002

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.991**	**1.904**	**2.006**	**-.0044**	**1.953**	**-.0069**
Stddev	.033	.000	.034	.0029	.002	.0007
%RSD	1.634	.0114	1.671	65.46	.1165	10.61
#1	1.968	1.904	1.982	-.0065	1.955	-.0075
#2	2.014	1.904	2.029	-.0024	1.951	-.0064

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3978.3**	**89523.**	**9802.3**
Stddev	2.4	1464.	23.8
%RSD	.05950	1.6351	.24290
#1	3980.0	90558.	9785.4
#2	3976.7	88488.	9819.1

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/17/2013 0:29:52 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0005**	**.0072**	**.0000**	**.0006**	**.0001**	**.0001**	**.0000**	**-.0056**	**.0001**
Stddev	.0003	.0007	.0003	.0001	.0001	.0000	.0001	.0022	.0000
%RSD	60.61	10.24	1862.	22.59	264.0	17.28	368.6	40.01	57.69
#1	-.0007	.0077	-.0002	.0007	.0002	.0001	-.0001	-.0040	.0000
#2	-.0003	.0066	.0002	.0005	.0000	.0002	.0001	-.0071	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**-.0001**	**-.0005**	**-.0044**	**.0197**	**-.0051**	**.0000**	**.0028**	**.0149**
Stddev	.0000	.0002	.0001	.0020	.0057	.0059	.000	.0007	.0188
%RSD	.2943	330.4	26.43	45.07	28.71	115.3	29.90	25.53	126.4
#1	.0001	.0001	-.0004	-.0030	.0238	-.0092	.0000	.0033	.0016
#2	.0001	-.0002	-.0006	-.0058	.0157	-.0009	.0000	.0023	.0282

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0001**	**.0011**	**.0009**	**.0007**	**.0001**	**.0012**	**-.0070**	**.0001**	**.0000**
Stddev	.0001	.0005	.0011	.0033	.0008	.0001	.0003	.0002	.0000
%RSD	100.4	40.73	120.6	440.3	805.5	7.023	4.097	153.2	141.7
#1	.0001	.0008	.0017	-.0016	.0006	.0011	-.0072	.0000	.0000
#2	.0000	.0015	.0001	.0031	-.0004	.0012	-.0068	.0002	.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0001**	**.0010**	**-.0005**	**-.0026**	**-.0002**	**-.0003**
Stddev	.0001	.0000	.0002	.0037	.0000	.0006
%RSD	166.7	1.462	43.56	141.0	27.74	193.5
#1	-.0002	.0010	-.0003	-.0053	-.0002	-.0007
#2	.0000	.0010	-.0006	.0000	-.0001	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3980.9**	**90495.**	**9800.3**
Stddev	1.2	245.	115.9
%RSD	.03078	.27031	1.1829
#1	3981.8	90668.	9882.2
#2	3980.1	90322.	9718.3

Zoom In Zoom Out

Sample Name: MP21505-S1 Acquired: 8/17/2013 0:34:50 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.1662**	**137.2**	**.4503**	**.0478**	**.0029**	**2.267**	**.4170**	**26.81**	**.4139**
Stddev	.0002	1.5	.0015	.0007	.0001	.026	.0066	.37	.0012
%RSD	.1252	1.092	.3296	1.425	4.428	1.144	1.587	1.385	.2950
#1	.1661	138.2	.4492	.0483	.0029	2.285	.4216	27.07	.4130
#2	.1664	136.1	.4513	.0473	.0028	2.248	.4123	26.54	.4148

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4964**	**.5628**	**.5888**	**185.4**	**52.84**	**60.59**	**3.542**	**.0015**	**21.88**
Stddev	.0005	.0004	.0014	1.5	.74	.59	.018	.0001	.29
%RSD	.0975	.0796	.2310	.8226	1.398	.9780	.5235	5.730	1.326
#1	.4961	.5625	.5878	186.4	53.36	61.01	3.529	.0015	22.09
#2	.4968	.5632	.5898	184.3	52.32	60.17	3.555	.0016	21.68

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.5173**	**.8315**	**.0206**	**-.0024**	**.1680**	**.3968**	**1.283**	**-.0035**	**.4513**
Stddev	.0003	.0001	.0006	.0049	.0005	.0027	.001	.0001	.0065
%RSD	.0571	.0137	2.707	208.9	.2833	.6858	.0656	2.528	1.435
#1	.5175	.8316	.0210	.0011	.1677	.3987	1.284	-.0035	.4559
#2	.5171	.8314	.0202	-.0059	.1684	.3949	1.283	-.0034	.4467

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**10.05**	**.3856**	**.6689**	**.0276**	**.8227**	**-.0026**
Stddev	.02	.0001	.0008	.0040	.0020	.0002
%RSD	.1667	.0319	.1257	14.53	.2483	6.586
#1	10.06	.3857	.6683	.0248	.8241	-.0028
#2	10.04	.3855	.6695	.0305	.8212	-.0025

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4528.2**	**104230.**	**11280.**
Stddev	12.6	23.	78.
%RSD	.27872	.02239	.69523
#1	4537.2	104210.	11224.
#2	4519.3	104240.	11335.

Zoom In Zoom Out

Sample Name: MP21505-S2 Acquired: 8/17/2013 0:39:45 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.1668**	**133.0**	**.4495**	**.0454**	**.0027**	**2.273**	**.4153**	**25.32**	**.4172**
Stddev	.0007	.7	.0002	.0006	.0002	.005	.0015	.03	.0019
%RSD	.4154	.5063	.0378	1.419	7.196	.2078	.3585	.1118	.4517
#1	.1673	132.6	.4496	.0459	.0026	2.269	.4143	25.30	.4185
#2	.1664	133.5	.4494	.0450	.0029	2.276	.4164	25.34	.4159

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4976**	**.5720**	**.5897**	**183.9**	**53.24**	**60.06**	**3.418**	**.0009**	**21.63**
Stddev	.0006	.0012	.0025	.8	.16	.41	.015	.0000	.00
%RSD	.1284	.2064	.4274	.4129	.2932	.6856	.4293	.8479	.0112
#1	.4981	.5728	.5914	183.3	53.13	59.77	3.408	.0009	21.63
#2	.4972	.5711	.5879	184.4	53.35	60.35	3.428	.0009	21.63

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.5194**	**.8335**	**.0230**	**-.0017**	**.1751**	**.3980**	**1.441**	**-.0035**	**.4555**
Stddev	.0006	.0003	.0015	.0053	.0001	.0009	.003	.0000	.0020
%RSD	.1165	.0384	6.657	314.3	.0694	.2243	.1843	.5093	.4419
#1	.5190	.8337	.0241	.0021	.1752	.3986	1.443	-.0035	.4540
#2	.5199	.8333	.0219	-.0054	.1750	.3974	1.439	-.0035	.4569

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**9.971**	**.3894**	**.6574**	**.0234**	**.8237**	**-.0028**
Stddev	.068	.0004	.0004	.0048	.0023	.0001
%RSD	.6797	.0937	.0653	20.47	.2836	5.172
#1	10.02	.3897	.6571	.0268	.8253	-.0027
#2	9.923	.3891	.6577	.0200	.8220	-.0029

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4492.9**	**103300.**	**11279.**
Stddev	7.0	453.	29.
%RSD	.15573	.43843	.25618
#1	4488.0	102980.	11299.
#2	4497.9	103630.	11258.

Zoom In Zoom Out

Sample Name: MC23527-1 Acquired: 8/17/2013 0:44:42 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0013**	**130.7**	**.0272**	**.0442**	**.0013**	**.6081**	**.0073**	**5.356**	**.0005**
Stddev	.0001	.4	.0006	.0021	.0002	.0028	.0000	.010	.0000
%RSD	8.620	.3085	2.297	4.788	11.50	.4540	.3561	.1803	6.271
#1	-.0013	130.4	.0267	.0457	.0014	.6061	.0072	5.349	.0005
#2	-.0014	131.0	.0276	.0427	.0012	.6100	.0073	5.363	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0850**	**.1484**	**.1851**	**183.1**	**32.36**	**40.14**	**3.041**	**.0009**	**.5730**
Stddev	.0002	.0004	.0004	.4	.06	.08	.045	.0001	.0071
%RSD	.2784	.2502	.2215	.1976	.1797	.1977	1.492	10.55	1.236
#1	.0852	.1481	.1848	182.8	32.32	40.20	3.073	.0010	.5680
#2	.0848	.1486	.1854	183.3	32.40	40.09	3.009	.0009	.5781

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.1336**	**.0535**	**.0231**	**.0005**	**-.0021**	**-.0001**	**1.977**	**-.0023**	**.0301**
Stddev	.0000	.0002	.0007	.0009	.0003	.0014	.002	.0000	.0000
%RSD	.0211	.4591	2.977	182.5	16.06	1908.	.0739	.3146	.0206
#1	.1336	.0536	.0227	.0011	-.0019	-.0011	1.976	-.0023	.0301
#2	.1336	.0533	.0236	-.0001	-.0024	.0009	1.978	-.0023	.0301

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**9.058**	**.0017**	**.2300**	**.0295**	**.4071**	**-.0055**
Stddev	.032	.0007	.0001	.0003	.0015	.0002
%RSD	.3531	42.70	.0363	1.023	.3642	3.087
#1	9.036	.0012	.2300	.0292	.4082	-.0053
#2	9.081	.0022	.2301	.0297	.4061	-.0056

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4626.1**	**105470.**	**11311.**
Stddev	5.1	277.	35.
%RSD	.11108	.26232	.30910
#1	4622.5	105270.	11287.
#2	4629.7	105660.	11336.

Zoom In Zoom Out

Sample Name: MP21505-SD1 Acquired: 8/17/2013 0:49:39 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0018**	**150.6**	**.0308**	**.0539**	**.0270**	**.7046**	**.0080**	**6.186**	**-.0001**
Stddev	.0010	1.2	.0023	.0005	.0006	.0012	.0000	.025	.0002
%RSD	53.17	.8158	7.495	.9130	2.210	.1742	.4479	.4113	162.8
#1	-.0011	149.8	.0324	.0535	.0274	.7038	.0080	6.168	.0000
#2	-.0025	151.5	.0291	.0542	.0266	.7055	.0080	6.204	-.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0989**	**.1687**	**.2073**	**215.9**	**38.34**	**46.68**	**3.562**	**.0005**	**.3678**
Stddev	.0005	.0000	.0013	1.0	.27	.52	.003	.0005	.0082
%RSD	.5353	.0267	.6489	.4662	.6954	1.112	.0699	104.5	2.219
#1	.0993	.1686	.2082	215.2	38.15	46.32	3.564	.0001	.3621
#2	.0986	.1687	.2063	216.6	38.53	47.05	3.560	.0009	.3736

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.1571**	**.0658**	**.0296**	**.0190**	**-.0053**	**.0048**	**2.256**	**-.0033**	**.0342**
Stddev	.0004	.0006	.0043	.0234	.0014	.0053	.000	.0009	.0004
%RSD	.2843	.9601	14.64	123.2	26.19	110.0	.0142	25.82	1.038
#1	.1568	.0662	.0265	.0355	-.0043	.0011	2.255	-.0040	.0344
#2	.1574	.0653	.0326	.0024	-.0063	.0085	2.256	-.0027	.0339

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**10.48**	**.0024**	**.2666**	**.0322**	**.4812**	**-.0026**
Stddev	.01	.0003	.0022	.0353	.0005	.0017
%RSD	.1174	11.92	.8108	109.5	.1116	66.44
#1	10.49	.0026	.2681	.0572	.4808	-.0014
#2	10.47	.0022	.2650	.0073	.4816	-.0038

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4133.2**	**93203.**	**9878.7**
Stddev	1.1	433.	115.8
%RSD	.02629	.46418	1.1717
#1	4132.5	92897.	9960.5
#2	4134.0	93509.	9796.8

Zoom In Zoom Out

Sample Name: MP21505-B2 Acquired: 8/17/2013 0:54:31 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.1895**	**1.934**	**.4976**	**.0012**	**.0005**	**1.858**	**.4681**	**22.75**	**.4758**
Stddev	.0011	.027	.0002	.0004	.0002	.003	.0018	.09	.0015
%RSD	.5575	1.377	.0372	30.10	33.56	.1727	.3916	.3966	.3190
#1	.1888	1.915	.4977	.0015	.0004	1.855	.4669	22.69	.4747
#2	.1903	1.952	.4974	.0009	.0007	1.860	.4694	22.82	.4769

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4783**	**.4833**	**.4440**	**1.849**	**23.88**	**23.08**	**.4654**	**-.0002**	**23.85**
Stddev	.0009	.0009	.0052	.007	.12	.05	.0014	.0000	.05
%RSD	.1940	.1876	1.173	.3886	.4881	.2258	.2911	20.93	.2040
#1	.4777	.4840	.4403	1.844	23.96	23.12	.4644	-.0002	23.82
#2	.4790	.4827	.4477	1.854	23.80	23.05	.4663	-.0002	23.89

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.4597**	**.9305**	**-.0008**	**.0031**	**.4664**	**.4706**	**.0101**	**.0062**	**.4705**
Stddev	.0006	.0001	.0002	.0043	.0001	.0015	.0004	.0000	.0023
%RSD	.1396	.0148	29.50	138.3	.0257	.3240	4.133	.6020	.4884
#1	.4592	.9304	-.0006	.0001	.4664	.4695	.0104	.0062	.4688
#2	.4601	.9306	-.0009	.0062	.4663	.4717	.0098	.0062	.4721

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4706**	**.4636**	**.4925**	**-.0031**	**.4849**	**-.0001**
Stddev	.0018	.0005	.0015	.0003	.0002	.0003
%RSD	.3883	.1015	.3052	8.205	.0461	256.0
#1	.4693	.4639	.4915	-.0032	.4847	.0001
#2	.4719	.4632	.4936	-.0029	.4850	-.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3979.6**	**90130.**	**9800.5**
Stddev	14.7	292.	56.0
%RSD	.36897	.32369	.57093
#1	3990.0	90336.	9761.0
#2	3969.2	89924.	9840.1

Zoom In Zoom Out

Sample Name: MP21505-LC1 Acquired: 8/17/2013 0:59:18 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.3209	86.83	.8736	.0326	.9323	1.520	.4831	53.94	.5779
Stddev	.0006	.44	.0028	.0011	.0020	.012	.0015	.04	.0020
%RSD	.1802	.5106	.3235	3.377	.2190	.7812	.3013	.0705	.3423
#1	.3205	87.15	.8756	.0318	.9309	1.529	.4841	53.97	.5765
#2	.3213	86.52	.8716	.0334	.9338	1.512	.4820	53.92	.5793

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.9445	.6716	.7044	120.7	36.60	28.23	2.659	.3952	6.157
Stddev	.0028	.0029	.0033	.2	.33	.08	.002	.0021	.024
%RSD	.2956	.4349	.4616	.1565	.8951	.2942	.0872	.5306	.3955
#1	.9425	.6736	.7021	120.8	36.83	28.29	2.660	.3937	6.174
#2	.9464	.6695	.7067	120.6	36.37	28.17	2.657	.3966	6.139

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.5204	.8312	.0102	-.0001	.9793	1.492	2.510	.9731	.6627
Stddev	.0002	.0014	.0009	.0024	.0025	.003	.002	.0004	.0039
%RSD	.0456	.1684	9.079	4175.	.2593	.1974	.0592	.0371	.5908
#1	.5206	.8302	.0095	-.0018	.9776	1.490	2.509	.9729	.6654
#2	.5202	.8322	.0108	.0017	.9811	1.494	2.511	.9734	.6599

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	2.327	1.089	.5726	.0059	1.249	.0448
Stddev	.002	.001	.0008	.0004	.004	.0008
%RSD	.0730	.1329	.1358	6.571	.2860	1.838
#1	2.329	1.090	.5720	.0062	1.246	.0453
#2	2.326	1.088	.5731	.0057	1.251	.0442

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4298.0	98773.	10905.
Stddev	16.2	284.	22.
%RSD	.37667	.28802	.20162
#1	4309.5	98572.	10890.
#2	4286.6	98974.	10921.

Zoom In Zoom Out

Sample Name: MC23456-4 Acquired: 8/17/2013 1:04:02 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0008	68.97	.1543	.1575	.0633	F 17.57	.0033	88.56
Stddev	.0001	.16	.0030	.0023	.0002	.15	.0000	.12
%RSD	6.324	.2326	1.971	1.484	.2817	.8330	.7330	.1310
#1	.0008	68.85	.1565	.1558	.0632	17.67	.0032	88.65
#2	.0009	69.08	.1522	.1591	.0635	17.46	.0033	88.48

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0193	.1501	1.066	4.077	F 718.3	5.501	22.26	10.47
Stddev	.0003	.0006	.003	.042	8.0	.003	.03	.06
%RSD	1.681	.3746	.2482	1.039	1.117	.0578	.1235	.5805
#1	.0195	.1505	1.067	4.047	712.6	5.504	22.24	10.42
#2	.0191	.1497	1.064	4.107	724.0	5.499	22.28	10.51

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.2838	3.505	2.733	2.521	.0530	-.0222	.0263	F -.0403
Stddev	.0004	.022	.001	.005	.0032	.0033	.0006	.0008
%RSD	.1360	.6171	.0303	.1918	5.959	15.03	2.271	1.921
#1	.2841	3.521	2.732	2.524	.0508	-.0198	.0267	-.0408
#2	.2836	3.490	2.733	2.517	.0553	-.0245	.0259	-.0397

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	4.499	.2773	.6467	1.193	.0003	.2054	.2122	3.912
Stddev	.003	.0005	.0020	.003	.0009	.0007	.0013	.019
%RSD	.0614	.1828	.3162	.2253	312.5	.3422	.5955	.4919
#1	4.497	.2777	.6453	1.191	.0009	.2059	.2113	3.926
#2	4.501	.2770	.6482	1.195	-.0003	.2049	.2131	3.898

Elem	Zr3391
Avg	.0366
Stddev	.0008
%RSD	2.143
#1	.0371
#2	.0360

Zoom In Zoom Out

Sample Name: MC23456-4 Acquired: 8/17/2013 1:04:02 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3816.3	92697.	10218.
Stddev	4.7	270.	18.
%RSD	.12298	.29166	.17317
#1	3813.0	92888.	10231.
#2	3819.7	92506.	10206.

Zoom In Zoom Out

Sample Name: MC23456-5 Acquired: 8/17/2013 1:09:04 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0021	86.75	.1127	.1102	.0820	F 25.78	.0039	246.4
Stddev	.0002	.31	.0001	.0008	.0001	.09	.0001	1.6
%RSD	9.547	.3591	.0794	.6919	.1823	.3610	2.769	.6569
#1	.0023	86.97	.1127	.1097	.0819	25.72	.0040	247.5
#2	.0020	86.53	.1128	.1108	.0821	25.85	.0038	245.2

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0084	.2824	1.696	4.811	449.3	9.040	38.77	5.677
Stddev	.0002	.0001	.001	.002	3.0	.037	.17	.045
%RSD	2.704	.0458	.0643	.0380	.6610	.4099	.4434	.7888
#1	.0086	.2825	1.697	4.810	447.2	9.066	38.89	5.645
#2	.0083	.2823	1.695	4.813	451.4	9.014	38.65	5.708

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.7285	1.815	1.822	.9762	.0215	-.0137	.0057	F -.0167
Stddev	.0014	.012	.006	.0052	.0019	.0069	.0008	.0018
%RSD	.1973	.6502	.3134	.5365	8.928	50.29	13.39	10.65
#1	.7275	1.824	1.818	.9725	.0228	-.0088	.0051	-.0179
#2	.7295	1.807	1.826	.9800	.0201	-.0186	.0062	-.0154

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	4.892	.0577	1.012	1.112	-.0018	.2781	.5788	1.158
Stddev	.021	.0000	.004	.002	.0003	.0003	.0025	.002
%RSD	.4213	.0462	.4173	.1761	15.14	.1142	.4339	.2027
#1	4.878	.0577	1.015	1.110	-.0016	.2783	.5770	1.159
#2	4.907	.0577	1.009	1.113	-.0020	.2778	.5806	1.156

Elem	Zr3391
Avg	.0736
Stddev	.0005
%RSD	.6736
#1	.0733
#2	.0740

Zoom In Zoom Out

Sample Name: MC23456-5 Acquired: 8/17/2013 1:09:04 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3933.7**	**93672.**	**10600.**
Stddev	5.5	341.	73.
%RSD	.13961	.36410	.68455
#1	3937.6	93913.	10548.
#2	3929.9	93430.	10651.

Zoom In Zoom Out

Sample Name: MC23495-1 Acquired: 8/17/2013 1:14:07 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0005**	**119.4**	**.1344**	**.0603**	**.0327**	**.8303**	**.0053**	**39.19**	**.0042**
Stddev	.0003	.2	.0009	.0009	.0005	.0051	.0000	.13	.0000
%RSD	61.39	.1722	.6433	1.473	1.518	.6192	.2462	.3273	.7361
#1	-.0003	119.5	.1350	.0596	.0324	.8340	.0053	39.28	.0041
#2	-.0007	119.2	.1338	.0609	.0331	.8267	.0053	39.10	.0042

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0899**	**.2397**	**.2934**	**239.7**	**19.80**	**45.75**	**3.446**	**.0063**	**4.615**
Stddev	.0001	.0004	.0012	2.2	.10	.16	.012	.0003	.028
%RSD	.0615	.1772	.4039	.9334	.4864	.3530	.3530	4.861	.5980
#1	.0900	.2394	.2925	241.3	19.87	45.86	3.437	.0065	4.635
#2	.0899	.2400	.2942	238.1	19.73	45.64	3.454	.0061	4.596

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.2249**	**2.960**	**.0236**	**-.0050**	**.0023**	**-.0036**	**1.903**	**.0258**	**.2134**
Stddev	.0003	.002	.0003	.0021	.0002	.0007	.003	.0002	.0001
%RSD	.1549	.0579	1.470	41.76	8.332	20.21	.1457	.8388	.0296
#1	.2246	2.961	.0234	-.0035	.0022	-.0031	1.901	.0260	.2135
#2	.2251	2.958	.0239	-.0065	.0025	-.0041	1.905	.0257	.2134

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**8.523**	**.0006**	**.5458**	**.0220**	**.9797**	**.0427**
Stddev	.013	.0007	.0012	.0006	.0002	.0001
%RSD	.1506	121.4	.2177	2.834	.0229	.2467
#1	8.532	.0010	.5466	.0225	.9796	.0426
#2	8.514	.0001	.5449	.0216	.9799	.0428

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4452.6**	**102190.**	**11322.**
Stddev	1.6	209.	48.
%RSD	.03682	.20410	.42116
#1	4453.8	102340.	11288.
#2	4451.4	102040.	11356.

Zoom In Zoom Out

Sample Name: MC23501-1 Acquired: 8/17/2013 1:19:00 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0008**	**52.28**	**.0613**	**.0246**	**.0007**	**.2055**	**.0017**	**5.342**	**.0001**
Stddev	.0001	.12	.0002	.0003	.0001	.0003	.0000	.000	.0000
%RSD	18.92	.2307	.3403	1.097	13.84	.1668	.8142	.0049	14.02
#1	-.0007	52.19	.0612	.0248	.0006	.2053	.0017	5.342	.0001
#2	-.0009	52.36	.0615	.0244	.0008	.2058	.0017	5.342	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0421**	**.1643**	**.0616**	**92.91**	**12.74**	**32.36**	**.7087**	**.0017**	**.6464**
Stddev	.0001	.0009	.0001	.40	.05	.22	.0037	.0000	.0003
%RSD	.2176	.5342	.1002	.4320	.3766	.6902	.5270	1.788	.0419
#1	.0421	.1649	.0616	92.62	12.70	32.20	.7113	.0017	.6466
#2	.0422	.1637	.0616	93.19	12.77	32.52	.7061	.0017	.6462

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.1179**	**.0381**	**.0108**	**-.0016**	**-.0013**	**-.0006**	**1.403**	**.0037**	**.0283**
Stddev	.0000	.0004	.0005	.0011	.0001	.0009	.002	.0003	.0000
%RSD	.0421	1.080	4.994	70.21	8.670	155.4	.1616	7.761	.1012
#1	.1179	.0384	.0104	-.0024	-.0014	-.0012	1.401	.0039	.0283
#2	.1179	.0378	.0112	-.0008	-.0012	.0001	1.405	.0035	.0283

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**2.901**	**-.0001**	**.1407**	**.0061**	**.1604**	**.0102**
Stddev	.000	.0008	.0012	.0039	.0004	.0004
%RSD	.0141	740.0	.8754	64.11	.2364	3.953
#1	2.901	.0005	.1416	.0089	.1601	.0105
#2	2.900	-.0007	.1398	.0034	.1607	.0099

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4233.1**	**96678.**	**10401.**
Stddev	14.3	456.	9.
%RSD	.33675	.47204	.08359
#1	4243.2	96355.	10395.
#2	4223.0	97001.	10408.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/17/2013 1:23:50 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2461**	**9.890**	**1.932**	**.0020**	**1.935**	**1.952**	**1.928**	**9.822**	**1.958**
Stddev	.0009	.100	.003	.0004	.001	.029	.017	.017	.001
%RSD	.3738	1.007	.1603	20.02	.0656	1.465	.8984	.1697	.0382
#1	.2468	9.819	1.934	.0017	1.934	1.931	1.916	9.810	1.958
#2	.2455	9.960	1.930	.0023	1.936	1.972	1.940	9.834	1.957

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.032**	**1.963**	**1.927**	**9.607**	**10.03**	**9.622**	**1.983**	**1.938**	**10.08**
Stddev	.000	.005	.012	.066	.12	.104	.001	.005	.01
%RSD	.0052	.2548	.6218	.6885	1.167	1.080	.0730	.2673	.0635
#1	2.032	1.959	1.936	9.560	9.943	9.548	1.984	1.934	10.09
#2	2.032	1.966	1.919	9.653	10.11	9.695	1.982	1.941	10.08

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**1.921**	**1.919**	**.0020**	**.0029**	**1.937**	**1.940**	**-.0483**	**1.987**	**2.013**
Stddev	.001	.005	.0007	.0061	.000	.001	.0004	.001	.021
%RSD	.0353	.2384	33.76	209.4	.0042	.0718	.7402	.0371	1.017
#1	1.921	1.916	.0025	-.0014	1.936	1.941	-.0480	1.986	1.999
#2	1.922	1.923	.0015	.0072	1.937	1.939	-.0485	1.987	2.027

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.986**	**1.916**	**1.995**	**-.0065**	**1.945**	**.0166**
Stddev	.003	.005	.006	.0017	.001	.0035
%RSD	.1414	.2771	.2848	25.78	.0433	21.01
#1	1.984	1.913	1.991	-.0053	1.946	.0191
#2	1.988	1.920	1.999	-.0076	1.944	.0141

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3971.1**	**89854.**	**9730.9**
Stddev	2.3	43.	58.8
%RSD	.05899	.04749	.60437
#1	3972.7	89823.	9689.3
#2	3969.4	89884.	9772.5

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/17/2013 1:28:35 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0000	.0016	-.0004	.0001	.0001	.0002	.0001	-.0017	.0002
Stddev	.000	.0031	.0000	.0012	.0004	.0001	.0000	.0000	.0000
%RSD	224.8	192.2	6.474	1491.	405.7	59.86	10.96	1.887	5.837
#1	-.0001	-.0006	-.0003	.0009	.0003	.0003	.0001	-.0017	.0003
#2	.0000	.0038	-.0004	-.0007	-.0002	.0001	.0001	-.0016	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0004	-.0002	-.0007	-.0006	.1321	-.0151	.0000	.0035	-.1132
Stddev	.0000	.0002	.0000	.0005	.0245	.0043	.0000	.0009	.0064
%RSD	2.294	149.0	5.498	78.10	18.57	28.59	118.1	25.28	5.638
#1	.0004	-.0003	-.0006	-.0003	.1494	-.0182	.0000	.0041	-.1087
#2	.0004	.0000	-.0007	-.0009	.1147	-.0120	.0001	.0028	-.1178

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0003	.0008	-.0004	-.0007	.0001	.0008	-.0071	.0003	.0001
Stddev	.0000	.0003	.0011	.0018	.0002	.0002	.0000	.0003	.0000
%RSD	.1723	36.38	251.2	240.7	290.5	24.22	.6598	101.6	16.35
#1	.0003	.0006	.0003	.0005	-.0001	.0009	-.0072	.0005	.0001
#2	.0003	.0011	-.0012	-.0020	.0002	.0006	-.0071	.0001	.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0000	.0014	.0000	-.0029	.0002	.0001
Stddev	.0004	.0001	.000	.0031	.0001	.0004
%RSD	1110.	7.089	694.5	107.6	51.54	542.4
#1	-.0002	.0015	.0001	-.0051	.0002	-.0002
#2	.0003	.0013	-.0001	-.0007	.0001	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4003.0	91194.	9672.7
Stddev	1.8	28.	9.9
%RSD	.04393	.03089	.10269
#1	4004.2	91214.	9679.8
#2	4001.7	91174.	9665.7

Zoom In Zoom Out

Sample Name: MC23501-2 Acquired: 8/17/2013 1:33:33 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0009	58.54	.0766	.0290	.0010	.1436	.0021	7.490	.0005
Stddev	.0002	.46	.0001	.0003	.0001	.0015	.0001	.039	.0001
%RSD	22.53	.7827	.1295	1.021	11.30	1.020	2.446	.5263	19.84
#1	-.0010	58.86	.0767	.0288	.0011	.1446	.0022	7.518	.0005
#2	-.0008	58.21	.0765	.0292	.0010	.1426	.0021	7.462	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0423	.2168	.0650	109.3	8.620	37.57	.9391	.0015	.6268
Stddev	.0002	.0006	.0003	1.2	.039	.34	.0002	.0000	.0092
%RSD	.4692	.2823	.4130	1.055	.4493	.8955	.0265	2.695	1.469
#1	.0424	.2163	.0652	110.1	8.647	37.81	.9389	.0016	.6333
#2	.0421	.2172	.0648	108.5	8.593	37.33	.9392	.0015	.6203

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.1485	.0408	.0132	-.0035	-.0010	.0000	1.566	.0033	.0348
Stddev	.0003	.0002	.0006	.0047	.0000	.001	.001	.0002	.0000
%RSD	.2065	.3856	4.540	136.2	1.903	5386.	.0785	5.656	.0217
#1	.1487	.0407	.0136	-.0001	-.0010	.0007	1.567	.0031	.0348
#2	.1482	.0409	.0128	-.0068	-.0010	-.0008	1.565	.0034	.0348

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	3.360	.0004	.1567	.0016	.2804	.0122
Stddev	.002	.0003	.0004	.0001	.0010	.0002
%RSD	.0557	85.67	.2369	7.491	.3581	1.774
#1	3.358	.0006	.1570	.0015	.2811	.0121
#2	3.361	.0002	.1565	.0017	.2797	.0124

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4238.4	96498.	10568.
Stddev	6.1	60.	119.
%RSD	.14507	.06238	1.1291
#1	4234.1	96540.	10483.
#2	4242.8	96455.	10652.

Zoom In Zoom Out

Sample Name: MC23522-1 Acquired: 8/17/2013 1:38:23 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0009	50.81	.0246	.0204	.0014	.1171	.0012	8.325	.0003
Stddev	.0002	.48	.0004	.0004	.0001	.0010	.0000	.052	.0001
%RSD	22.83	.9366	1.784	1.727	9.680	.8778	3.327	.6237	43.03
#1	-.0007	50.47	.0249	.0201	.0013	.1163	.0012	8.288	.0003
#2	-.0010	51.15	.0243	.0206	.0015	.1178	.0012	8.362	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0238	.0546	.3371	76.54	3.284	14.34	1.097	.0027	.1289
Stddev	.0001	.0002	.0005	.74	.004	.17	.002	.0001	.0081
%RSD	.4537	.3450	.1568	.9668	.1280	1.172	.2221	2.621	6.279
#1	.0238	.0547	.3375	76.01	3.281	14.23	1.098	.0026	.1347
#2	.0237	.0545	.3367	77.06	3.287	14.46	1.095	.0027	.1232

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0626	.1356	.0089	-.0010	-.0008	-.0014	2.593	.0034	.0872
Stddev	.0002	.0000	.0010	.0027	.0004	.0020	.008	.0000	.0002
%RSD	.2573	.0208	11.47	261.3	47.96	138.0	.2966	.0709	.2818
#1	.0627	.1356	.0081	.0009	-.0010	-.0028	2.588	.0034	.0871
#2	.0625	.1356	.0096	-.0029	-.0005	.0000	2.598	.0034	.0874

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	4.089	-.0005	.0967	.0023	.1644	.0129
Stddev	.010	.0002	.0000	.0006	.0009	.0006
%RSD	.2415	30.57	.0289	25.05	.5234	4.954
#1	4.096	-.0006	.0967	.0027	.1650	.0134
#2	4.082	-.0004	.0967	.0019	.1638	.0125

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4301.7	97123.	10585.
Stddev	2.1	510.	117.
%RSD	.04995	.52489	1.1008
#1	4303.2	96763.	10668.
#2	4300.2	97484.	10503.

Zoom In Zoom Out

Sample Name: MC23522-2 Acquired: 8/17/2013 1:43:15 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0008	64.75	.0306	.0284	.0019	.1100	.0034	7.280	.0003
Stddev	.0002	.38	.0005	.0007	.0000	.0006	.0001	.027	.0000
%RSD	24.90	.5869	1.625	2.335	.1295	.5741	3.355	.3668	8.452
#1	-.0007	65.01	.0302	.0279	.0019	.1105	.0034	7.299	.0003
#2	-.0010	64.48	.0309	.0288	.0019	.1096	.0033	7.262	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0458	.0640	.0967	104.3	3.341	17.93	1.222	.0012	.3146
Stddev	.0006	.0002	.0003	.6	.005	.20	.002	.0000	.0095
%RSD	1.303	.2440	.3465	.5740	.1617	1.116	.1917	3.468	3.019
#1	.0454	.0639	.0964	104.7	3.345	18.07	1.224	.0012	.3079
#2	.0462	.0641	.0969	103.8	3.337	17.79	1.221	.0012	.3214

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0824	.2261	.0119	-.0036	-.0014	-.0016	2.206	.0044	.0684
Stddev	.0007	.0022	.0010	.0025	.0016	.0001	.018	.0003	.0001
%RSD	.8903	.9929	8.040	70.73	117.9	4.565	.8101	5.856	.2091
#1	.0819	.2245	.0126	-.0054	-.0025	-.0016	2.193	.0046	.0685
#2	.0829	.2277	.0112	-.0018	-.0002	-.0015	2.218	.0042	.0683

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	3.340	-.0010	.1421	-.0013	.2560	.0154
Stddev	.002	.0002	.0006	.0067	.0019	.0004
%RSD	.0583	21.17	.3887	509.6	.7440	2.494
#1	3.341	-.0011	.1425	-.0060	.2546	.0157
#2	3.339	-.0008	.1417	.0034	.2573	.0151

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4369.2	99669.	10959.
Stddev	33.4	315.	114.
%RSD	.76438	.31633	1.0430
#1	4392.8	99446.	10878.
#2	4345.6	99892.	11040.

Zoom In Zoom Out

Sample Name: MC23522-3 Acquired: 8/17/2013 1:48:05 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0009**	**69.96**	**.0617**	**.0337**	**.0397**	**.2899**	**.0186**	**10.36**	**.0009**
Stddev	.0000	.00	.0012	.0004	.0003	.0006	.0000	.03	.0001
%RSD	4.284	.0023	1.992	1.330	.6583	.2153	.1575	.3022	6.868
#1	-.0008	69.96	.0608	.0334	.0395	.2903	.0186	10.38	.0009
#2	-.0009	69.96	.0625	.0340	.0398	.2894	.0186	10.34	.0010

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0757**	**.1807**	**.5757**	**129.9**	**6.693**	**23.64**	**1.942**	**.0146**	**.3758**
Stddev	.0002	.0005	.0018	1.0	.009	.03	.001	.0001	.0031
%RSD	.3007	.3038	.3177	.7545	.1295	.1394	.0597	.7529	.8306
#1	.0755	.1811	.5744	130.6	6.687	23.62	1.941	.0147	.3780
#2	.0758	.1803	.5770	129.2	6.699	23.67	1.943	.0145	.3735

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.2790**	**8.901**	**.0143**	**-.0048**	**-.0003**	**-.0012**	**2.805**	**.0840**	**.0999**
Stddev	.0003	.006	.0004	.0069	.0010	.0012	.012	.0000	.0001
%RSD	.1009	.0628	2.900	144.0	310.2	99.50	.4241	.0538	.1274
#1	.2792	8.897	.0146	.0001	.0004	-.0004	2.797	.0840	.0998
#2	.2788	8.905	.0140	-.0096	-.0011	-.0021	2.814	.0841	.1000

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**4.434**	**-.0017**	**.1772**	**.0138**	**1.904**	**.0301**
Stddev	.001	.0002	.0004	.0017	.000	.0006
%RSD	.0249	12.07	.2130	12.20	.0076	1.901
#1	4.433	-.0019	.1775	.0126	1.904	.0305
#2	4.435	-.0016	.1769	.0149	1.904	.0297

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4661.5**	**106420.**	**11495.**
Stddev	24.6	325.	80.
%RSD	.52721	.30537	.69219
#1	4678.9	106190.	11438.
#2	4644.2	106650.	11551.

Zoom In Zoom Out

Sample Name: MC23522-4 Acquired: 8/17/2013 1:52:53 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0009**	**41.88**	**.0145**	**.0218**	**.0033**	**.1005**	**.0015**	**6.255**	**.0001**
Stddev	.0003	.17	.0004	.0013	.0001	.0011	.0000	.000	.0000
%RSD	35.11	.3970	2.493	6.114	2.436	1.057	2.402	.0017	15.42
#1	-.0007	42.00	.0148	.0228	.0034	.1013	.0015	6.255	.0001
#2	-.0012	41.76	.0143	.0209	.0033	.0998	.0015	6.256	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0383**	**.0480**	**.0398**	**79.19**	**3.061**	**12.64**	**1.117**	**.0011**	**.2296**
Stddev	.0000	.0001	.0001	.19	.039	.10	.002	.0001	.0046
%RSD	.0302	.2939	.2740	.2406	1.271	.7894	.2156	11.53	2.009
#1	.0383	.0479	.0397	79.32	3.088	12.71	1.116	.0010	.2328
#2	.0383	.0481	.0399	79.05	3.033	12.57	1.119	.0012	.2263

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0515**	**.2108**	**.0092**	**-.0017**	**-.0006**	**-.0008**	**2.242**	**.0020**	**.0697**
Stddev	.0002	.0009	.0005	.0034	.0000	.0010	.003	.0000	.0002
%RSD	.3063	.4154	5.266	202.8	7.581	119.7	.1512	2.407	.2656
#1	.0514	.2102	.0089	.0007	-.0006	-.0016	2.240	.0019	.0699
#2	.0516	.2114	.0095	-.0041	-.0006	-.0001	2.245	.0020	.0696

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**3.705**	**-.0006**	**.0763**	**.0061**	**.1312**	**.0082**
Stddev	.003	.0004	.0003	.0029	.0006	.0001
%RSD	.0866	58.85	.4034	47.43	.4700	1.271
#1	3.703	-.0009	.0765	.0041	.1308	.0081
#2	3.707	-.0004	.0761	.0082	.1317	.0082

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4291.5**	**97232.**	**10587.**
Stddev	1.2	478.	7.
%RSD	.02810	.49125	.06344
#1	4290.6	97570.	10591.
#2	4292.3	96895.	10582.

Zoom In Zoom Out

Sample Name: MC23522-5 Acquired: 8/17/2013 1:57:45 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0008**	**76.19**	**.0541**	**.0504**	**.0102**	**.3971**	**.0023**	**14.25**	**.0021**
Stddev	.0003	.10	.0003	.0007	.0002	.0003	.0001	.13	.0001
%RSD	42.79	.1289	.5460	1.450	1.626	.0828	2.391	.8890	2.983
#1	-.0005	76.26	.0539	.0499	.0101	.3973	.0023	14.34	.0021
#2	-.0010	76.12	.0543	.0510	.0103	.3968	.0023	14.16	.0022

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0813**	**.1372**	**.3315**	**193.6**	**5.637**	**36.65**	**3.716**	**.0080**	**.2960**
Stddev	.0004	.0000	.0003	1.7	.001	.30	.013	.0001	.0012
%RSD	.5364	.0260	.0811	.8524	.0152	.8246	.3573	1.198	.3922
#1	.0810	.1371	.3313	194.8	5.636	36.87	3.707	.0079	.2952
#2	.0817	.1372	.3317	192.5	5.638	36.44	3.725	.0080	.2968

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.1834**	**F 70.29**	**.0214**	**-.0009**	**.0025**	**.0037**	**2.345**	**.0156**	**.1365**
Stddev	.0004	.26	.0007	.0019	.0007	.0013	.010	.0004	.0002
%RSD	.2402	.3655	3.427	224.1	29.67	34.57	.4091	2.580	.1624
#1	.1831	70.10	.0209	.0005	.0020	.0028	2.338	.0159	.1367
#2	.1837	70.47	.0219	-.0022	.0030	.0046	2.351	.0153	.1364

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**5.072**	**-.0032**	**.3363**	**.0169**	**.5004**	**.0378**
Stddev	.015	.0008	.0020	.0045	.0022	.0010
%RSD	.2901	25.78	.5885	26.94	.4496	2.735
#1	5.082	-.0026	.3377	.0201	.4988	.0385
#2	5.061	-.0038	.3349	.0136	.5020	.0371

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4280.9**	**98646.**	**10835.**
Stddev	21.5	421.	153.
%RSD	.50195	.42675	1.4147
#1	4296.1	98349.	10727.
#2	4265.7	98944.	10944.

Zoom In Zoom Out

Sample Name: MC23522-6 Acquired: 8/17/2013 2:02:40 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	**.0097**	**37.24**	**.1429**	**.0754**	**.3574**	**.3131**	**.0040**	**50.41**
Stddev	.0001	.07	.0003	.0003	.0006	.0002	.0000	.04
%RSD	1.174	.1762	.1977	.3843	.1597	.0608	.7441	.0869
#1	.0096	37.19	.1431	.0756	.3570	.3132	.0040	50.38
#2	.0098	37.28	.1427	.0752	.3579	.3129	.0040	50.44

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	**.0084**	**.0480**	**.2145**	**3.750**	**345.0**	**4.866**	**241.8**	**1.988**
Stddev	.0000	.0002	.0004	.017	1.3	.043	.6	.004
%RSD	.3174	.4720	.2063	.4448	.3803	.8744	.2456	.1964
#1	.0084	.0482	.2148	3.738	344.1	4.835	241.3	1.991
#2	.0084	.0479	.2142	3.761	346.0	4.896	242.2	1.985

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	**.0206**	**3.288**	**.1643**	**F 620.0**	**.0325**	**-.0013**	**.1389**	**-.0036**
Stddev	.0001	.007	.0002	4.4	.0021	.0003	.0015	.0004
%RSD	.3811	.2119	.1051	.7094	6.424	23.52	1.082	11.01
#1	.0206	3.284	.1641	623.1	.0310	-.0011	.1379	-.0039
#2	.0207	3.293	.1644	616.9	.0340	-.0016	.1400	-.0033

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	**3.275**	**.1296**	**.8963**	**2.350**	**F -.0163**	**.3238**	**.0455**	**1.957**
Stddev	.005	.0002	.0008	.002	.0007	.0003	.0008	.010
%RSD	.1486	.1526	.0929	.0807	4.589	.0932	1.735	.5003
#1	3.271	.1294	.8957	2.351	-.0169	.3236	.0461	1.964
#2	3.278	.1297	.8968	2.349	-.0158	.3241	.0450	1.950

Elem	Zr3391
Avg	**.0257**
Stddev	.0011
%RSD	4.274
#1	.0264
#2	.0249

Zoom In Zoom Out

Sample Name: MC23522-6 Acquired: 8/17/2013 2:02:40 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3915.7**	**94741.**	**10284.**
Stddev	2.3	380.	52.
%RSD	.05750	.40078	.50355
#1	3917.3	94473.	10247.
#2	3914.1	95010.	10320.

Zoom In Zoom Out

Sample Name: MC23522-7 Acquired: 8/17/2013 2:07:33 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0009**	**70.29**	**.0439**	**.0384**	**.0135**	**.2313**	**.0070**	**14.09**	**.0005**
Stddev	.0003	.45	.0005	.0015	.0004	.0022	.0001	.05	.0002
%RSD	26.51	.6347	1.121	3.954	2.918	.9504	1.038	.3523	32.22
#1	-.0008	70.60	.0442	.0395	.0138	.2329	.0071	14.13	.0004
#2	-.0011	69.97	.0435	.0374	.0133	.2298	.0070	14.06	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0680**	**.1375**	**.2411**	**147.2**	**6.286**	**27.72**	**2.465**	**.0063**	**.2761**
Stddev	.0002	.0008	.0018	1.3	.033	.36	.004	.0000	.0029
%RSD	.2430	.5575	.7515	.9160	.5196	1.287	.1450	.0383	1.065
#1	.0681	.1381	.2423	148.2	6.309	27.97	2.468	.0063	.2781
#2	.0679	.1370	.2398	146.3	6.262	27.47	2.463	.0063	.2740

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.1621**	**1.270**	**.0149**	**-.0014**	**-.0006**	**-.0021**	**2.791**	**.0263**	**.1126**
Stddev	.0004	.008	.0023	.0010	.0002	.0010	.006	.0000	.0005
%RSD	.2423	.6109	15.37	73.71	35.53	49.37	.2061	.1432	.4112
#1	.1624	1.264	.0165	-.0021	-.0004	-.0029	2.795	.0263	.1129
#2	.1618	1.275	.0133	-.0007	-.0007	-.0014	2.787	.0263	.1123

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**5.170**	**-.0011**	**.1235**	**.0169**	**.8044**	**.0178**
Stddev	.030	.0001	.0010	.0071	.0016	.0003
%RSD	.5763	5.747	.8166	41.92	.1985	1.614
#1	5.191	-.0011	.1242	.0219	.8056	.0176
#2	5.149	-.0011	.1228	.0119	.8033	.0180

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4405.0**	**100570.**	**11282.**
Stddev	1.8	1.	66.
%RSD	.04150	.00101	.58779
#1	4406.3	100570.	11235.
#2	4403.7	100570.	11329.

Zoom In Zoom Out

Sample Name: MC23527-2 Acquired: 8/17/2013 2:12:22 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0022**	**163.2**	**.0164**	**.0614**	**.0041**	**1.430**	**.0038**	**5.744**	**.0001**
Stddev	.0002	1.9	.0001	.0017	.0001	.020	.0001	.072	.0001
%RSD	9.994	1.143	.3247	2.699	3.552	1.386	1.895	1.250	111.4
#1	-.0020	164.6	.0164	.0626	.0042	1.444	.0037	5.794	.0000
#2	-.0023	161.9	.0165	.0602	.0040	1.416	.0039	5.693	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0844**	**.3885**	**.1126**	**241.4**	**85.11**	**67.13**	**3.592**	**-.0011**	**.7125**
Stddev	.0011	.0013	.0016	3.7	1.22	.97	.036	.0000	.0010
%RSD	1.280	.3321	1.379	1.529	1.434	1.451	1.014	3.621	.1372
#1	.0837	.3894	.1137	244.0	85.97	67.82	3.618	-.0010	.7132
#2	.0852	.3875	.1115	238.8	84.25	66.44	3.566	-.0011	.7118

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.1894**	**.1147**	**.0311**	**-.0033**	**-.0017**	**-.0050**	**2.741**	**-.0127**	**.0397**
Stddev	.0019	.0042	.0015	.0010	.0001	.0025	.019	.0001	.0005
%RSD	.9988	3.620	4.754	28.59	5.026	48.84	.6899	.8036	1.200
#1	.1881	.1117	.0321	-.0040	-.0016	-.0033	2.727	-.0126	.0401
#2	.1907	.1176	.0300	-.0027	-.0017	-.0068	2.754	-.0128	.0394

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	F **20.52**	**.0049**	**.4183**	**.0205**	**.5646**	**-.0136**
Stddev	.00	.0001	.0014	.0046	.0057	.0000
%RSD	.0021	1.178	.3271	22.46	1.014	.3600
#1	20.52	.0049	.4192	.0238	.5606	-.0136
#2	20.52	.0048	.4173	.0173	.5687	-.0137

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4772.9**	**109740.**	**11991.**
Stddev	27.4	85.	208.
%RSD	.57468	.07786	1.7305
#1	4792.3	109680.	11844.
#2	4753.5	109800.	12138.

Zoom In Zoom Out

Sample Name: MC23527-3 Acquired: 8/17/2013 2:17:22 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0012**	**145.2**	**.0353**	**.0481**	**.0110**	**.4905**	**.0070**	**7.866**	**.0016**
Stddev	.0005	.2	.0002	.0004	.0004	.0004	.0000	.021	.0000
%RSD	37.32	.1610	.5343	.8675	3.359	.0845	.0417	.2681	.8886
#1	-.0009	145.4	.0355	.0478	.0112	.4908	.0070	7.881	.0016
#2	-.0016	145.0	.0352	.0484	.0107	.4902	.0070	7.851	.0015

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.1078**	**.1592**	**.1512**	**188.8**	**14.11**	**31.53**	**3.454**	**.0036**	**1.198**
Stddev	.0005	.0028	.0016	.3	.00	.21	.055	.0002	.001
%RSD	.4190	1.738	1.088	.1844	.0164	.6612	1.603	6.406	.1075
#1	.1074	.1572	.1501	188.6	14.11	31.68	3.415	.0034	1.199
#2	.1081	.1612	.1524	189.1	14.11	31.39	3.493	.0037	1.197

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.1249**	**.8997**	**.0219**	**-.0025**	**-.0019**	**-.0022**	**3.723**	**-.0007**	**.0510**
Stddev	.0003	.0016	.0000	.0011	.0002	.0002	.001	.0004	.0002
%RSD	.2407	.1801	.0389	43.04	11.25	8.796	.0212	49.18	.3267
#1	.1247	.8986	.0219	-.0017	-.0017	-.0023	3.723	-.0005	.0511
#2	.1251	.9009	.0219	-.0033	-.0020	-.0021	3.724	-.0010	.0509

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**9.172**	**-.0002**	**.2679**	**.0189**	**1.411**	**-.0079**
Stddev	.002	.0001	.0019	.0057	.007	.0006
%RSD	.0228	50.94	.7089	30.41	.4667	7.048
#1	9.170	-.0001	.2665	.0148	1.406	-.0083
#2	9.173	-.0003	.2692	.0229	1.415	-.0075

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4327.9**	**100230.**	**11014.**
Stddev	14.4	793.	84.
%RSD	.33230	.79161	.76403
#1	4338.0	100790.	10955.
#2	4317.7	99673.	11074.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/17/2013 2:22:20 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2418**	**9.910**	**1.924**	**.0036**	**1.917**	**1.966**	**1.925**	**9.769**	**1.925**
Stddev	.0007	.067	.005	.0004	.006	.012	.003	.013	.005
%RSD	.2787	.6737	.2844	10.86	.3282	.6099	.1337	.1278	.2658
#1	.2423	9.957	1.920	.0039	1.913	1.975	1.927	9.778	1.921
#2	.2414	9.863	1.928	.0033	1.922	1.958	1.923	9.760	1.928

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.003**	**1.931**	**1.888**	**9.542**	**10.13**	**9.542**	**1.957**	**1.915**	**9.945**
Stddev	.005	.008	.003	.038	.05	.077	.002	.010	.017
%RSD	.2753	.4054	.1514	.3956	.4741	.8126	.0957	.5026	.1707
#1	1.999	1.925	1.890	9.569	10.17	9.597	1.958	1.908	9.957
#2	2.006	1.936	1.886	9.515	10.10	9.487	1.956	1.921	9.933

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**1.902**	**1.896**	**.0011**	**.0002**	**1.919**	**1.921**	**-.0455**	**1.963**	**2.022**
Stddev	.006	.003	.0008	.0019	.009	.003	.0003	.003	.002
%RSD	.3048	.1596	69.29	974.7	.4846	.1655	.7680	.1682	.0959
#1	1.898	1.894	.0017	.0015	1.913	1.919	-.0458	1.960	2.023
#2	1.907	1.898	.0006	-.0011	1.926	1.924	-.0453	1.965	2.020

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.961**	**1.901**	**1.970**	**-.0079**	**1.913**	**.0261**
Stddev	.001	.004	.003	.0011	.004	.0041
%RSD	.0500	.2210	.1523	13.24	.1896	15.82
#1	1.961	1.898	1.972	-.0087	1.910	.0290
#2	1.960	1.904	1.968	-.0072	1.915	.0232

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4056.9**	**91695.**	**9836.1**
Stddev	4.6	237.	96.1
%RSD	.11247	.25878	.97751
#1	4060.1	91863.	9768.1
#2	4053.7	91528.	9904.0

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/17/2013 2:27:05 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.0048**	**.0005**	**.0004**	**-.0002**	**-.0001**	**.0000**	**-.0065**	**.0000**
Stddev	.000	.0004	.0009	.0003	.0002	.0001	.0000	.0009	.000
%RSD	626.3	8.354	185.9	71.67	112.9	95.98	71.10	13.81	216.2
#1	.0001	.0051	-.0001	.0006	-.0003	.0000	.0000	-.0059	.0000
#2	-.0002	.0045	.0011	.0002	.0000	-.0002	.0000	-.0072	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0000**	**-.0006**	**-.0010**	**.1586**	**-.0130**	**-.0001**	**.0026**	**-.1442**
Stddev	.0002	.000	.0000	.0032	.0365	.0238	.0000	.0007	.0076
%RSD	296.5	998.8	1.766	308.1	23.02	182.8	45.51	27.36	5.303
#1	-.0001	.0002	-.0005	-.0033	.1844	-.0298	.0000	.0031	-.1388
#2	.0002	-.0002	-.0006	.0012	.1328	.0038	-.0001	.0021	-.1496

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0000**	**.0015**	**-.0006**	**.0003**	**-.0004**	**.0012**	**-.0062**	**.0004**	**.0000**
Stddev	.0002	.0009	.0002	.0003	.0000	.0000	.0004	.0001	.000
%RSD	381.9	60.95	34.75	107.0	.5700	1.637	7.233	18.06	468.5
#1	.0001	.0008	-.0004	.0001	-.0004	.0012	-.0065	.0003	.0001
#2	-.0001	.0021	-.0007	.0005	-.0004	.0012	-.0059	.0004	-.0002

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0002**	**.0018**	**-.0001**	**-.0001**	**.0000**	**-.0011**
Stddev	.0002	.0002	.0002	.0019	.000	.0004
%RSD	83.74	11.10	105.2	2336.	241.0	38.26
#1	.0004	.0019	.0000	-.0014	-.0001	-.0008
#2	.0001	.0016	-.0003	.0012	.0000	-.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4013.3**	**91551.**	**9924.9**
Stddev	13.4	403.	43.3
%RSD	.33270	.44072	.43611
#1	4003.8	91266.	9955.5
#2	4022.7	91836.	9894.3

Zoom In Zoom Out

Sample Name: MC23529-1 Acquired: 8/17/2013 2:32:03 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**72.71**	**.0187**	**.0281**	**.0050**	**.4191**	**.0027**	**13.68**	**.0005**
Stddev	.000	.16	.0000	.0005	.0000	.0002	.0000	.05	.0001
%RSD	7.360	.2150	.2383	1.661	.3202	.0527	1.269	.3762	15.47
#1	-.0001	72.60	.0187	.0277	.0050	.4189	.0026	13.64	.0006
#2	.0000	72.82	.0187	.0284	.0050	.4192	.0027	13.71	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0489**	**.1565**	**.0916**	**108.5**	**10.74**	**36.71**	**2.190**	**.0009**	**.9430**
Stddev	.0000	.0008	.0009	.4	.01	.16	.004	.0000	.0007
%RSD	.0109	.4874	.9300	.4020	.1378	.4233	.1914	5.283	.0703
#1	.0489	.1571	.0910	108.2	10.73	36.60	2.187	.0009	.9425
#2	.0488	.1560	.0922	108.8	10.75	36.82	2.193	.0010	.9434

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.1439**	**.0639**	**.0108**	**.0022**	**-.0011**	**-.0003**	**3.566**	**.0082**	**.0793**
Stddev	.0002	.0004	.0010	.0000	.0006	.0012	.001	.0001	.0001
%RSD	.1532	.6239	9.396	.6092	59.59	415.8	.0366	.8927	.1677
#1	.1437	.0642	.0101	.0021	-.0006	-.0012	3.567	.0081	.0792
#2	.1440	.0636	.0115	.0022	-.0015	.0006	3.565	.0082	.0794

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**3.876**	**.0016**	**.1779**	**.0101**	**.2736**	**-.0164**
Stddev	.003	.0002	.0011	.0001	.0007	.0002
%RSD	.0698	15.46	.6386	1.111	.2406	1.418
#1	3.874	.0018	.1771	.0102	.2741	-.0166
#2	3.878	.0014	.1787	.0101	.2731	-.0163

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4314.2**	**98934.**	**10825.**
Stddev	6.3	427.	53.
%RSD	.14715	.43126	.48662
#1	4318.7	99236.	10862.
#2	4309.8	98632.	10788.

Zoom In Zoom Out

Sample Name: MC23529-2 Acquired: 8/17/2013 2:36:54 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0005**	**83.69**	**.0242**	**.0315**	**.0142**	**.4794**	**.0031**	**22.00**	**.0006**
Stddev	.0003	.43	.0006	.0001	.0002	.0020	.0001	.06	.0000
%RSD	52.35	.5164	2.628	.4639	1.133	.4240	3.669	.2789	5.774
#1	.0007	83.99	.0238	.0314	.0141	.4808	.0030	22.04	.0006
#2	.0003	83.38	.0247	.0317	.0143	.4779	.0032	21.96	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0559**	**.2266**	**.0972**	**123.6**	**12.28**	**39.54**	**2.039**	**.0007**	**1.411**
Stddev	.0002	.0004	.0006	.3	.06	.33	.012	.0001	.016
%RSD	.3403	.1761	.6221	.2667	.5001	.8306	.5647	7.965	1.134
#1	.0560	.2269	.0968	123.9	12.32	39.78	2.031	.0007	1.422
#2	.0558	.2263	.0976	123.4	12.24	39.31	2.048	.0008	1.399

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.1721**	**.0722**	**.0136**	**-.0015**	**-.0006**	**-.0014**	**3.784**	**.0101**	**.1091**
Stddev	.0003	.0006	.0014	.0049	.0002	.0020	.002	.0001	.0003
%RSD	.1746	.8206	10.22	329.5	34.90	140.6	.0646	.9449	.3098
#1	.1723	.0726	.0146	.0020	-.0007	-.0029	3.786	.0102	.1093
#2	.1719	.0718	.0126	-.0049	-.0004	.0000	3.782	.0101	.1088

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**3.938**	**-.0001**	**.2294**	**.0088**	**.2915**	**-.0149**
Stddev	.004	.0002	.0002	.0011	.0017	.0003
%RSD	.1037	390.4	.0722	13.05	.5830	2.061
#1	3.935	-.0002	.2293	.0080	.2927	-.0151
#2	3.941	.0001	.2295	.0096	.2903	-.0146

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4357.6**	**99861.**	**10897.**
Stddev	16.3	181.	70.
%RSD	.37402	.18166	.64479
#1	4346.1	99989.	10847.
#2	4369.1	99733.	10946.

Zoom In Zoom Out

Sample Name: MC23529-3 Acquired: 8/17/2013 2:41:44 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0006**	**99.05**	**.0271**	**.0413**	**.0073**	**.4710**	**.0031**	**18.77**	**.0004**
Stddev	.0002	.01	.0001	.0002	.0002	.0021	.0000	.02	.0002
%RSD	34.27	.0126	.3823	.5920	2.358	.4485	.4270	.0919	40.51
#1	-.0005	99.04	.0272	.0411	.0072	.4725	.0031	18.78	.0003
#2	-.0008	99.06	.0270	.0415	.0074	.4695	.0031	18.75	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0697**	**.2606**	**.1244**	**164.3**	**15.40**	**50.69**	**2.322**	**.0003**	**1.232**
Stddev	.0000	.0015	.0005	.6	.01	.02	.001	.0001	.014
%RSD	.0136	.5716	.3946	.3648	.0618	.0462	.0536	39.98	1.143
#1	.0697	.2616	.1241	164.7	15.40	50.68	2.323	.0004	1.222
#2	.0697	.2595	.1248	163.9	15.39	50.71	2.321	.0002	1.241

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.2001**	**.1569**	**.0156**	**-.0009**	**-.0003**	**-.0009**	**3.462**	**.2378**	**.1117**
Stddev	.0004	.0002	.0007	.0009	.0008	.0009	.012	.0002	.0004
%RSD	.2173	.1327	4.775	107.2	246.7	107.8	.3378	.0982	.3460
#1	.2004	.1570	.0151	-.0002	.0002	-.0002	3.470	.2379	.1115
#2	.1998	.1567	.0161	-.0015	-.0009	-.0015	3.454	.2376	.1120

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**5.227**	**.0008**	**.2514**	**.0142**	**.3331**	**-.0139**
Stddev	.001	.0006	.0002	.0062	.0007	.0004
%RSD	.0196	81.04	.0939	44.08	.1964	3.205
#1	5.228	.0012	.2515	.0098	.3336	-.0136
#2	5.227	.0003	.2512	.0186	.3326	-.0142

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4388.7**	**100590.**	**11138.**
Stddev	7.5	474.	9.
%RSD	.17114	.47136	.08410
#1	4383.4	100250.	11145.
#2	4394.0	100930.	11132.

Zoom In Zoom Out

Sample Name: MC23529-4 Acquired: 8/17/2013 2:46:33 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0004**	**91.86**	**.0237**	**.0387**	**.0100**	**.4859**	**.0029**	**15.45**	**.0006**
Stddev	.0003	.95	.0001	.0023	.0007	.0045	.0000	.07	.0000
%RSD	69.72	1.039	.2596	5.845	7.171	.9211	.3019	.4409	1.379
#1	-.0002	91.18	.0238	.0403	.0095	.4827	.0029	15.40	.0006
#2	-.0006	92.53	.0237	.0371	.0105	.4890	.0029	15.50	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0686**	**.2036**	**.1040**	**149.8**	**12.85**	**44.73**	**2.452**	**.0009**	**1.100**
Stddev	.0002	.0007	.0005	.7	.13	.18	.000	.0000	.019
%RSD	.2895	.3239	.5258	.4860	.9761	.4090	.0081	1.562	1.724
#1	.0685	.2040	.1036	149.3	12.76	44.60	2.452	.0009	1.086
#2	.0688	.2031	.1044	150.4	12.94	44.86	2.452	.0009	1.113

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.1716**	**.0640**	**.0154**	**-.0012**	**-.0018**	**-.0031**	**3.398**	**.0066**	**.0913**
Stddev	.0001	.0000	.0011	.0059	.0012	.0004	.013	.0003	.0011
%RSD	.0621	.0372	7.144	476.7	66.55	12.57	.3754	4.001	1.193
#1	.1717	.0640	.0146	-.0055	-.0009	-.0028	3.389	.0068	.0905
#2	.1716	.0640	.0162	.0030	-.0026	-.0033	3.407	.0064	.0920

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**3.950**	**.0001**	**.2321**	**.0125**	**.3434**	**-.0088**
Stddev	.004	.0003	.0005	.0059	.0006	.0003
%RSD	.1117	224.4	.1963	47.24	.1890	3.949
#1	3.946	.0004	.2324	.0167	.3438	-.0085
#2	3.953	-.0001	.2318	.0084	.3429	-.0090

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4319.8**	**98695.**	**10721.**
Stddev	14.6	70.	42.
%RSD	.33895	.07087	.39045
#1	4330.1	98646.	10691.
#2	4309.4	98745.	10750.

Zoom In Zoom Out

Sample Name: MC23529-5 Acquired: 8/17/2013 2:51:21 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0007**	**78.15**	**.0276**	**.0358**	**.0053**	**.4685**	**.0032**	**17.12**	**.0005**
Stddev	.0000	.35	.0001	.0013	.0006	.0031	.0000	.02	.0000
%RSD	.2029	.4431	.3657	3.685	10.48	.6703	.5571	.1447	1.627
#1	-.0007	77.91	.0277	.0349	.0049	.4663	.0032	17.10	.0005
#2	-.0007	78.40	.0275	.0368	.0057	.4707	.0032	17.14	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0576**	**.2215**	**.1944**	**140.9**	**10.56**	**37.48**	**2.182**	**.0004**	**1.164**
Stddev	.0001	.0010	.0007	1.2	.04	.21	.010	.0001	.004
%RSD	.1171	.4687	.3570	.8781	.4057	.5604	.4596	13.59	.3520
#1	.0577	.2222	.1949	140.0	10.53	37.33	2.189	.0004	1.167
#2	.0576	.2207	.1939	141.7	10.59	37.63	2.174	.0005	1.161

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.1829**	**.0546**	**.0148**	**-.0042**	**-.0008**	**.0006**	**2.053**	**.0039**	**.0879**
Stddev	.0001	.0003	.0009	.0019	.0005	.0002	.002	.0002	.0005
%RSD	.0405	.5437	5.895	44.66	59.47	36.66	.0973	5.560	.5388
#1	.1828	.0549	.0142	-.0056	-.0005	.0008	2.051	.0040	.0876
#2	.1829	.0544	.0154	-.0029	-.0011	.0005	2.054	.0037	.0883

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**3.319**	**-.0014**	**.2102**	**.0086**	**.2673**	**-.0024**
Stddev	.005	.0004	.0001	.0009	.0002	.0003
%RSD	.1619	27.22	.0492	9.935	.0754	13.82
#1	3.323	-.0017	.2102	.0092	.2674	-.0022
#2	3.315	-.0012	.2101	.0080	.2671	-.0026

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4392.3**	**100270.**	**10978.**
Stddev	3.4	589.	32.
%RSD	.07692	.58699	.28984
#1	4389.9	99850.	11000.
#2	4394.6	100680.	10955.

Zoom In Zoom Out

Sample Name: RINSECONF Acquired: 8/17/2013 2:56:11 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0005**	**.0037**	**-.0006**	**.0013**	**-.0011**	**-.0001**	**.0000**	**-.0045**	**.0000**
Stddev	.0002	.0035	.0008	.0003	.0001	.0003	.0000	.0024	.000
%RSD	38.04	94.46	139.1	19.84	8.814	233.9	120.2	54.78	17.57
#1	-.0004	.0012	.0000	.0015	-.0012	-.0003	.0000	-.0062	.0000
#2	-.0007	.0061	-.0011	.0011	-.0010	.0001	.0000	-.0027	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**-.0004**	**-.0009**	**.0054**	**.1021**	**-.0207**	**.0000**	**-.0002**	**-.1705**
Stddev	.000	.0000	.0001	.0018	.0244	.0199	.000	.0001	.0054
%RSD	83.91	.0796	11.30	34.27	23.89	96.50	392.0	35.17	3.174
#1	.0000	-.0004	-.0008	.0067	.0848	-.0066	-.0001	-.0002	-.1667
#2	.0000	-.0004	-.0010	.0041	.1193	-.0348	.0000	-.0003	-.1743

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0000**	**.0007**	**.0007**	**.0016**	**-.0002**	**.0008**	**-.0064**	**.0001**	**-.0001**
Stddev	.0000	.0000	.0017	.0045	.0000	.0001	.0003	.0001	.0000
%RSD	862.1	4.835	259.4	284.1	4.262	10.73	5.247	143.8	7.558
#1	.0000	.0007	-.0006	.0048	-.0002	.0008	-.0067	.0001	-.0001
#2	.0000	.0007	.0019	-.0016	-.0002	.0007	-.0062	.0000	-.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**-.0001**	**-.0004**	**-.0011**	**-.0002**	**-.0012**
Stddev	.000	.0001	.0001	.0003	.0000	.0006
%RSD	710.9	152.8	20.49	30.55	7.871	46.45
#1	-.0002	-.0001	-.0003	-.0008	-.0002	-.0008
#2	.0001	.0000	-.0004	-.0013	-.0002	-.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3964.5**	**91651.**	**9785.2**
Stddev	3.6	370.	52.8
%RSD	.08977	.40331	.54006
#1	3962.0	91390.	9822.6
#2	3967.0	91913.	9747.8

Zoom In Zoom Out

Sample Name: CRIA Acquired: 8/17/2013 3:01:09 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0045**	**.1914**	**.0103**	**.0004**	**.0981**	**.0499**	**.0040**	**4.764**	**.0040**
Stddev	.0001	.0024	.0003	.0006	.0001	.0007	.0001	.033	.0001
%RSD	1.891	1.257	2.848	139.5	.1428	1.362	1.284	.7017	1.643
#1	.0045	.1897	.0105	.0008	.0980	.0503	.0040	4.787	.0040
#2	.0046	.1931	.0101	.0000	.0982	.0494	.0039	4.740	.0041

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0516**	**.0097**	**.0229**	**.0920**	**5.066**	**4.690**	**.0149**	**.0998**	**4.905**
Stddev	.0000	.0009	.0000	.0002	.021	.037	.0001	.0001	.006
%RSD	.0390	8.809	.0054	.1797	.4141	.7822	.4022	.0931	.1173
#1	.0516	.0103	.0229	.0921	5.081	4.716	.0148	.0999	4.901
#2	.0516	.0091	.0229	.0919	5.051	4.664	.0149	.0997	4.910

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0400**	**.0103**	**.0006**	**.0002**	**.0101**	**.0097**	**-.0089**	**.1002**	**.0101**
Stddev	.0002	.0002	.0014	.0005	.0001	.0011	.0003	.0001	.0001
%RSD	.4210	1.534	239.7	274.8	1.161	10.84	3.731	.0740	.6082
#1	.0398	.0102	.0016	-.0002	.0100	.0104	-.0091	.1002	.0101
#2	.0401	.0104	-.0004	.0006	.0101	.0090	-.0087	.1003	.0100

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0502**	**.0102**	**.0104**	**-.0014**	**.0200**	**.0004**
Stddev	.0002	.0001	.0004	.0008	.0001	.0002
%RSD	.4969	.9912	4.121	55.38	.4298	55.04
#1	.0501	.0101	.0107	-.0019	.0199	.0006
#2	.0504	.0102	.0101	-.0008	.0200	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4019.7**	**91510.**	**9874.4**
Stddev	3.9	120.	87.7
%RSD	.09590	.13165	.88779
#1	4022.5	91595.	9812.4
#2	4017.0	91424.	9936.4

Zoom In Zoom Out

Sample Name: ICSA Acquired: 8/17/2013 3:06:03 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0003**	**509.7**	**.0013**	**.0452**	**.0004**	**.0017**	**.0001**	**444.4**	**.0005**
Stddev	.0004	7.1	.0004	.0006	.0002	.0002	.0000	1.0	.0001
%RSD	122.2	1.393	31.21	1.340	45.88	10.35	20.59	.2302	19.64
#1	.0000	514.7	.0010	.0456	.0005	.0016	.0001	443.7	.0006
#2	-.0006	504.7	.0016	.0447	.0003	.0019	.0001	445.1	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0000**	**-.0015**	**174.7**	**.1020**	**478.9**	**.0010**	**-.0026**	**-.1466**
Stddev	.0001	.0001	.0002	1.0	.0101	3.6	.0000	.0004	.0005
%RSD	117.7	606.0	15.06	.5591	9.881	.7514	1.891	16.82	.3506
#1	.0000	.0001	-.0017	174.1	.0949	476.4	.0010	-.0023	-.1470
#2	.0002	.0000	-.0014	175.4	.1091	481.4	.0011	-.0029	-.1463

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0016**	**.0003**	**-.0121**	**.0029**	**.0003**	**-.0069**	**.0250**	**-.0011**	**.0014**
Stddev	.0000	.0016	.0001	.0028	.0002	.0021	.0014	.0005	.0001
%RSD	2.509	457.8	.8220	97.45	71.86	30.40	5.634	42.98	4.513
#1	.0016	.0015	-.0120	.0048	.0002	-.0054	.0240	-.0014	.0013
#2	.0016	-.0008	-.0122	.0009	.0005	-.0084	.0260	-.0007	.0014

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0077**	**-.0019**	**.0002**	**-.0191**	**-.0012**	**.0018**
Stddev	.0002	.0001	.0000	.0059	.0001	.0000
%RSD	2.012	7.146	4.955	30.75	8.830	.9435
#1	.0078	-.0020	.0002	-.0149	-.0011	.0018
#2	.0076	-.0018	.0002	-.0232	-.0012	.0018

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3672.9**	**83929.**	**9550.2**
Stddev	2.5	83.	20.8
%RSD	.06806	.09854	.21728
#1	3671.1	83987.	9564.9
#2	3674.6	83870.	9535.6

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 8/17/2013 3:11:00 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**1.009**	**506.7**	**1.942**	**.5230**	**.9405**	**.5013**	**.4485**	**438.3**	**.9826**
Stddev	.004	.7	.004	.0017	.0008	.0033	.0027	3.0	.0020
%RSD	.3796	.1336	.2092	.3203	.0886	.6597	.5915	.6930	.2044
#1	1.006	506.2	1.939	.5242	.9399	.5036	.4504	436.2	.9812
#2	1.012	507.2	1.945	.5218	.9410	.4989	.4467	440.5	.9840

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4476**	**.4587**	**.4844**	**175.2**	**.0926**	**475.9**	**.4613**	**.9106**	**-.1441**
Stddev	.0013	.0001	.0003	1.2	.0393	3.5	.0012	.0039	.0040
%RSD	.2812	.0275	.0612	.6691	42.46	.7293	.2509	.4278	2.810
#1	.4467	.4586	.4846	176.0	.0648	478.4	.4605	.9079	-.1469
#2	.4485	.4588	.4842	174.3	.1205	473.5	.4622	.9134	-.1412

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.8233**	**.8450**	**.4995**	**.4827**	**1.965**	**1.919**	**2.096**	**.9230**	**1.001**
Stddev	.0021	.0011	.0023	.0007	.001	.002	.002	.0019	.005
%RSD	.2495	.1341	.4584	.1472	.0636	.1051	.1069	.2049	.4964
#1	.8219	.8442	.4979	.4832	1.964	1.918	2.094	.9216	1.005
#2	.8248	.8458	.5012	.4822	1.965	1.921	2.097	.9243	.9978

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4887**	**1.716**	**.4887**	**1.820**	**.8528**	**.4009**
Stddev	.0010	.005	.0005	.005	.0016	.0029
%RSD	.1982	.2803	.1067	.2975	.1881	.7341
#1	.4880	1.713	.4883	1.816	.8516	.3989
#2	.4894	1.720	.4890	1.824	.8539	.4030

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3686.5**	**85501.**	**9604.9**
Stddev	7.8	342.	2.7
%RSD	.21133	.39974	.02818
#1	3692.0	85742.	9603.0
#2	3681.0	85259.	9606.8

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/17/2013 3:15:56 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2429**	**9.804**	**1.923**	**.0038**	**1.916**	**1.939**	**1.896**	**9.647**	**1.924**
Stddev	.0003	.067	.002	.0008	.002	.020	.012	.038	.001
%RSD	.1138	.6849	.1065	21.87	.1013	1.031	.6221	.3950	.0556
#1	.2427	9.757	1.924	.0044	1.915	1.925	1.887	9.620	1.923
#2	.2431	9.852	1.921	.0032	1.917	1.954	1.904	9.674	1.925

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**1.997**	**1.924**	**1.897**	**9.313**	**9.847**	**9.421**	**1.963**	**1.914**	**9.912**
Stddev	.001	.005	.006	.075	.093	.111	.004	.005	.006
%RSD	.0592	.2674	.3412	.8084	.9422	1.179	.2142	.2391	.0576
#1	1.998	1.921	1.893	9.260	9.782	9.343	1.966	1.911	9.908
#2	1.997	1.928	1.902	9.366	9.913	9.500	1.960	1.917	9.916

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**1.896**	**1.890**	**.0012**	**.0035**	**1.924**	**1.920**	**-.0464**	**1.960**	**2.011**
Stddev	.002	.004	.0003	.0025	.000	.004	.0006	.002	.010
%RSD	.1265	.2279	28.12	71.03	.0160	.2073	1.198	.1032	.4995
#1	1.897	1.893	.0014	.0018	1.923	1.917	-.0468	1.961	2.004
#2	1.894	1.887	.0010	.0053	1.924	1.923	-.0460	1.958	2.018

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.956**	**1.896**	**1.967**	**.0037**	**1.905**	**.0637**
Stddev	.001	.001	.001	.0014	.004	.0135
%RSD	.0490	.0652	.0504	38.66	.2116	21.27
#1	1.955	1.897	1.968	.0027	1.908	.0732
#2	1.956	1.895	1.966	.0047	1.902	.0541

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4033.6**	**91242.**	**9892.4**
Stddev	4.6	190.	35.9
%RSD	.11317	.20831	.36287
#1	4036.8	91376.	9917.8
#2	4030.4	91107.	9867.1

Inst QC: MA15999

Zoom In
Zoom Out

Sample Name: CCB Acquired: 8/17/2013 3:20:41 Type: Unk
Method: Accutest -SS1(v24) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**-.0037**	**.0002**	**.0010**	**.0002**	**.0000**	**.0001**	**-.0016**	**.0003**
Stddev	.0004	.0121	.0006	.0002	.0002	.000	.0000	.0008	.0001
%RSD	270.4	332.3	376.0	24.09	79.69	437.2	17.90	49.69	40.58
#1	-.0004	-.0122	-.0003	.0008	.0001	-.0001	.0001	-.0021	.0002
#2	.0001	.0049	.0006	.0011	.0003	.0000	.0001	-.0010	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**-.0001**	**-.0006**	**-.0022**	**.0636**	**-.0068**	**.0000**	**.0033**	**-.1692**
Stddev	.0003	.0001	.0003	.0005	.0134	.0058	.0000	.0006	.0069
%RSD	123.2	174.9	47.23	23.71	21.10	86.20	5.000	16.78	4.093
#1	.0000	-.0002	-.0008	-.0026	.0541	-.0026	.0000	.0037	-.1643
#2	.0004	.0000	-.0004	-.0018	.0731	-.0109	.0000	.0029	-.1741

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0003**	**.0009**	**-.0006**	**.0029**	**.0001**	**.0007**	**-.0075**	**.0004**	**.0000**
Stddev	.0002	.0004	.0010	.0002	.0010	.0005	.0001	.0003	.000
%RSD	67.83	49.16	153.9	8.162	692.1	68.09	1.457	58.74	206.6
#1	.0001	.0006	.0001	.0031	-.0006	.0010	-.0074	.0003	.0000
#2	.0004	.0012	-.0014	.0027	.0009	.0004	-.0076	.0006	.0000

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0018**	**.0001**	**-.0017**	**.0003**	**-.0006**
Stddev	.000	.0002	.0000	.0014	.0002	.0001
%RSD	2030.	12.68	12.13	83.21	63.61	17.08
#1	.0001	.0016	.0001	-.0007	.0002	-.0005
#2	-.0001	.0019	.0001	-.0027	.0004	-.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4003.2**	**90405.**	**9803.2**
Stddev	15.8	145.	11.8
%RSD	.39455	.16039	.12007
#1	3992.0	90303.	9811.5
#2	4014.4	90508.	9794.9

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	-0.000004	0.000000	No
			Co	0.000007	0.000000	No
			Mn	0.000105	0.000000	No
			Mo	-0.000103	0.000000	No
			Cu	0.000004	0.000000	No
			Ti	-0.000053	0.000000	No
			Al	-0.000001	0.000000	No
			Zr	0.005523	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.000619	0.000000	No
			Mo	0.046442	0.000000	No
			Ca	-0.000237	0.000000	No
As 189.042 {479}	☒	9	V	0.000020	0.000000	No
			Al	0.000006	0.000000	No
			Mo	0.000191	0.000000	No
			Fe	-0.000003	0.000000	No
			Mn	-0.000018	0.000000	No
			Ca	0.000004	0.000000	No
			Mg	0.000001	0.000000	No
			Cr	0.000221	0.000000	No
			Na	-0.000002	0.000000	No
Au 242.795 {139}	☒	3	Fe	-0.000004	0.000000	No
			Mn	0.011376	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.055156	0.000000	No
Ba 455.403 { 74}	☒	1	Al	-0.000000	0.000000	No
Be 313.042 {108}	☒	3	V	0.000344	0.000000	No
			Mo	-0.000020	0.000000	No
			Ti	-0.000249	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	4	Ni	-0.000027	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000025	0.000000	No
			Ca	0.000001	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000019	0.000000	No
			Mo	-0.000031	0.000000	No
			Ti	0.001842	0.000000	No
			Ca	0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000004	0.000000	No
			Mn	0.000148	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000072	0.000000	No
			V	-0.000166	0.000000	No
			Mo	0.000490	0.000000	No
			Co	-0.000699	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000600	0.000000	No
			Co	-0.000015	0.000000	No
			Cr	0.000162	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000003	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000578	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No
			Al	0.000671	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ni 231.604 {446}	☒	3	Mo	-0.000207	0.000000	No
			Fe	-0.000005	0.000000	No
			Ca	0.000002	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000079	0.000000	No
			Mn	0.000133	0.000000	No
			Mo	-0.001265	0.000000	No
			Co	0.000058	0.000000	No
			Cu	0.000045	0.000000	No
			Ca	0.000000	0.000000	No
			Fe	0.000039	0.000000	No
			Mg	-0.000000	0.000000	No
			Ni	0.000266	0.000000	No
			Si	0.000078	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000342	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.006177	0.000000	No
			Ni	0.000902	0.000000	No
			Mn	-0.008486	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
Sb 206.833 {463}	☒	11	Al	0.000007	0.000000	No
			Fe	0.000035	0.000000	No
			Cr	0.007047	0.000000	No
			Mo	-0.001258	0.000000	No
			Mg	-0.000000	0.000000	No
			Ni	-0.000236	0.000000	No
			V	-0.001830	0.000000	No
			Ca	-0.000002	0.000000	No
			Ti	-0.000068	0.000000	No
			Cu	0.000015	0.000000	No
			Sn	-0.009353	0.000000	No
Se 196.090 {472}	☒	7	Al	0.000003	0.000000	No
			Fe	-0.000290	0.000000	No
			Mn	0.000585	0.000000	No
			Mo	0.000020	0.000000	No
			Ca	-0.000002	0.000000	No
			Na	-0.000001	0.000000	No
			Co	-0.000813	0.000000	No
Si 212.412 {459}	☒	3	V	0.030413	0.000000	No
			Ti	0.006483	0.000000	No
			Mo	0.043276	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.001299	0.000000	No
			Cr	0.000265	0.000000	No
			V	-0.017720	0.000000	No
			Co	0.004892	0.000000	No
			Al	-0.000001	0.000000	No
			Fe	0.000010	0.000000	No
			Ti	-0.000986	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Mo	-0.000006	0.000000	No
				Ca	-0.000004	0.000000	No
				Na	-0.000004	0.000000	No
	V 292.402 {115}	☒	3	Ti	0.000624	0.000000	No
				Mo	-0.003905	0.000000	No
				Fe	0.000019	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000141	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000003	0.000000	No
				Mn	0.000018	0.000000	No
				Ni	0.000039	0.000000	No
				Cr	-0.000497	0.000000	No
				Mo	0.000207	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000006	0.000000	No
				Na	0.000004	0.000000	No
	Zr 339.198 { 99}	☒	5	Si	0.005567	0.000000	No
				Ti	0.000761	0.000000	No
				Fe	0.000014	0.000000	No
				Sn	0.002851	0.000000	No
				V	0.002032	0.000000	No

Sample Name: Std1 Acquired: 8/19/2013 11:26:05 Type: Cal
Method: Accutest -SS1(v25) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0022**	**.0001**	**.0001**	**.0000**	**.0034**	**.0119**	**.0005**	**.0039**	**.0019**
Stddev	.0001	.0005	.0001	.0000	.0001	.0006	.0000	.0003	.0001
%RSD	2.729	390.4	98.17	25.34	2.483	4.875	8.848	6.982	3.332
#1	-.0022	.0005	.0000	.0000	.0035	.0115	.0005	.0037	.0020
#2	-.0022	-.0002	.0001	.0000	.0033	.0124	.0005	.0041	.0019

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**.0000**	**.0087**	**.0002**	**.0011**	**-.0003**	**.0001**	**.0022**	**.0452**
Stddev	.0001	.0000	.0001	.0001	.0004	.0001	.0000	.0003	.0003
%RSD	599.5	72.78	1.277	56.92	39.07	35.41	19.34	14.04	.6214
#1	.0000	.0000	.0086	.0001	.0008	-.0004	.0001	.0025	.0450
#2	.0000	.0000	.0088	.0003	.0014	-.0002	.0001	.0020	.0454

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**-.0003**	**-.0001**	**.0001**	**.0004**	**.0002**	**.0298**	**-.0002**	**.0073**
Stddev	.0001	.0001	.0000	.0000	.0000	.0000	.0000	.0001	.0008
%RSD	57.87	43.17	3.851	13.57	5.188	19.74	.1116	64.67	10.45
#1	-.0001	-.0004	-.0001	.0001	.0004	.0003	.0297	-.0001	.0079
#2	-.0003	-.0002	-.0001	.0001	.0005	.0002	.0298	-.0002	.0068

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0004**	**-.0006**	**.0000**	**.0003**	**.0004**	**.0131**
Stddev	.0000	.0000	.0000	.0000	.0002	.0000
%RSD	12.18	5.950	107.5	4.112	51.31	.0868
#1	-.0004	-.0006	.0001	.0003	.0005	.0131
#2	-.0004	-.0006	.0000	.0003	.0002	.0131

Sample Name: Std1 Acquired: 8/19/2013 11:26:05 Type: Cal
Method: Accutest -SS1(v25) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4133.2**	**86317.**	**8955.2**
Stddev	8.4	168.	5.7
%RSD	.20219	.19444	.06355
#1	4127.3	86199.	8951.2
#2	4139.1	86436.	8959.2

Sample Name: Std2 Acquired: 8/19/2013 11:31:00 Type: Cal
Method: Accutest -SS1(v25) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1454**	**.4748**	**1.944**	**14.42**	**18.28**	**10.07**	**7.809**	**.6335**	**1.928**
Stddev	.0005	.0027	.008	.05	.01	.01	.014	.0010	.005
%RSD	.3187	.5613	.4220	.3231	.0474	.0977	.1848	.1606	.2803
#1	.1457	.4767	1.950	14.45	18.29	10.08	7.820	.6328	1.932
#2	.1450	.4730	1.938	14.39	18.28	10.06	7.799	.6343	1.925

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.088**	**4.136**	**5.036**	**1.227**	**.6677**	**.3472**	**.7022**	**8.558**
Stddev	.044	.005	.029	.006	.0030	.0010	.0035	.009
%RSD	1.076	.1309	.5760	.4687	.4428	.2829	.4913	.1108
#1	4.119	4.132	5.057	1.231	.6698	.3479	.7047	8.565
#2	4.057	4.140	5.016	1.223	.6656	.3465	.6998	8.551

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4149.3**	**85908.**	**9079.7**
Stddev	11.1	339.	20.3
%RSD	.26782	.39449	.22382
#1	4141.5	85668.	9094.1
#2	4157.2	86148.	9065.3

Sample Name: Std3 Acquired: 8/19/2013 11:35:52 Type: Cal
Method: Accutest -SS1(v25) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.091**	**2.206**	**1.259**	**.8889**	**.1705**	**3.202**
Stddev	.003	.005	.006	.0048	.0012	.008
%RSD	.2985	.2278	.4562	.5367	.6937	.2484
#1	1.093	2.210	1.263	.8923	.1714	3.208
#2	1.089	2.203	1.255	.8855	.1697	3.197

Int. Std.	Y_3710
Units	Cts/S
Avg	**9022.0**
Stddev	86.9
%RSD	.96308
#1	8960.6
#2	9083.4

Zoom In Zoom Out

Sample Name: Std4 Acquired: 8/19/2013 11:40:47 Type: Cal
Method: Accutest -SS1(v25) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	Si2124	Sn1899	Sr4077	Ti3349	V_2924	W_2397
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1738**	**.3057**	**.0632**	**1.195**	**1.540**	**33.84**	**1.532**	**.7016**	**.0635**
Stddev	.0001	.0002	.0001	.002	.003	.47	.005	.0020	.0001
%RSD	.0743	.0668	.1479	.1657	.1712	1.376	.3297	.2825	.1852
#1	.1739	.3059	.0633	1.196	1.542	34.17	1.535	.7030	.0636
#2	.1737	.3056	.0631	1.193	1.538	33.51	1.528	.7002	.0634

Elem	Zr3391
Units	Cts/S
Avg	**1.313**
Stddev	.002
%RSD	.1478
#1	1.311
#2	1.314

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4190.9**	**85971.**	**9105.0**
Stddev	.5	250.	23.8
%RSD	.01206	.29116	.26147
#1	4191.2	85794.	9088.2
#2	4190.5	86148.	9121.9

Zoom In Zoom Out

Sample Name: ICV Acquired: 8/19/2013 11:45:43 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.4917**	**15.34**	**2.961**	**2.945**	**2.976**	**2.960**	**2.900**	**17.68**	**2.881**
Stddev	.0036	.00	.002	.004	.003	.008	.005	.01	.000
%RSD	.7320	.0109	.0686	.1314	.1035	.2600	.1767	.0680	.0144
#1	.4891	15.34	2.963	2.947	2.974	2.966	2.904	17.67	2.881
#2	.4942	15.34	2.960	2.942	2.978	2.955	2.897	17.69	2.880

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.895**	**2.978**	**2.849**	**17.75**	**16.48**	**18.01**	**2.917**	**2.799**	**15.12**
Stddev	.001	.001	.022	.01	.06	.04	.004	.009	.05
%RSD	.0379	.0205	.7893	.0568	.3725	.2235	.1482	.3297	.3185
#1	2.894	2.978	2.833	17.76	16.53	18.04	2.921	2.792	15.09
#2	2.896	2.978	2.865	17.74	16.44	17.98	2.914	2.805	15.16

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**2.816**	**2.861**	**2.947**	**2.936**	**2.867**	**2.899**	**2.956**	**3.023**	**3.036**
Stddev	.004	.004	.009	.007	.001	.001	.006	.001	.004
%RSD	.1547	.1453	.3169	.2543	.0210	.0465	.2147	.0297	.1232
#1	2.813	2.858	2.940	2.931	2.867	2.898	2.951	3.023	3.034
#2	2.820	2.864	2.954	2.941	2.866	2.900	2.960	3.024	3.039

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**2.963**	**2.854**	**2.933**	**2.673**	**2.810**	**3.077**
Stddev	.003	.001	.003	.005	.002	.017
%RSD	.1021	.0343	.0923	.1960	.0647	.5429
#1	2.961	2.854	2.935	2.669	2.809	3.088
#2	2.965	2.855	2.931	2.677	2.812	3.065

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4166.7**	**85555.**	**9082.8**
Stddev	4.1	69.	1.4
%RSD	.09764	.08065	.01582
#1	4169.6	85604.	9083.8
#2	4163.9	85506.	9081.8

Zoom In Zoom Out

Sample Name: ICB Acquired: 8/19/2013 11:51:45 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0003**	**.0048**	**.0001**	**.0020**	**.0004**	**.0001**	**-.0001**	**-.0042**	**.0000**
Stddev	.0003	.0069	.0001	.0000	.0002	.0000	.0001	.0037	.0001
%RSD	109.6	144.5	118.6	.7295	53.36	10.37	91.23	88.70	671.9
#1	-.0006	-.0001	.0000	.0020	.0002	.0001	.0000	-.0069	-.0001
#2	-.0001	.0097	.0002	.0020	.0005	.0001	-.0001	-.0016	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0001**	**-.0002**	**.0003**	**.0053**	**.0238**	**.0001**	**.0015**	**-.0419**
Stddev	.0001	.0001	.0002	.0027	.0275	.0391	.0000	.0006	.0022
%RSD	139.7	128.4	111.0	935.8	515.3	164.3	29.17	40.92	5.276
#1	-.0002	.0000	.0000	.0022	.0248	.0515	.0000	.0020	-.0434
#2	.0000	.0002	-.0004	-.0016	-.0141	-.0038	.0001	.0011	-.0403

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0000**	**.0007**	**-.0007**	**.0020**	**.0002**	**.0003**	**.0002**	**.0000**	**.0000**
Stddev	.000	.0002	.0017	.0023	.0002	.0007	.0001	.0001	.0000
%RSD	90.05	33.68	254.7	115.8	124.0	286.6	78.06	313.1	244.5
#1	-.0001	.0005	-.0018	.0036	.0000	-.0003	.0002	-.0001	.0001
#2	.0000	.0008	.0005	.0004	.0003	.0008	.0001	.0001	.0000

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0002**	**-.0002**	**.0063**	**.0000**	**.0000**
Stddev	.0002	.0004	.0005	.0011	.000	.000
%RSD	573.6	197.5	261.1	17.14	365.0	7807.
#1	-.0001	.0004	.0002	.0070	-.0001	.0001
#2	.0002	-.0001	-.0005	.0055	.0001	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4185.9**	**86256.**	**9094.6**
Stddev	2.1	.	24.6
%RSD	.04959	.00032	.27013
#1	4187.3	86256.	9077.2
#2	4184.4	86256.	9111.9

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/19/2013 11:56:40 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2409**	**9.939**	**1.916**	**.0032**	**1.917**	**1.925**	**1.935**	**9.963**	**1.919**
Stddev	.0022	.007	.004	.0009	.003	.004	.003	.016	.001
%RSD	.9326	.0671	.2297	28.47	.1339	.1891	.1487	.1557	.0457
#1	.2393	9.935	1.919	.0026	1.919	1.928	1.933	9.952	1.918
#2	.2425	9.944	1.913	.0038	1.915	1.923	1.937	9.974	1.919

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**1.996**	**1.937**	**1.882**	**9.827**	**9.883**	**9.903**	**1.955**	**1.913**	**9.916**
Stddev	.002	.004	.022	.006	.141	.018	.008	.003	.016
%RSD	.0790	.2285	1.176	.0645	1.424	.1776	.4078	.1291	.1596
#1	1.997	1.940	1.866	9.823	9.982	9.891	1.950	1.912	9.905
#2	1.995	1.934	1.898	9.832	9.783	9.916	1.961	1.915	9.927

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**1.900**	**1.892**	**.0026**	**.0036**	**1.921**	**1.928**	**-.0771**	**1.928**	**1.990**
Stddev	.005	.003	.0000	.0015	.001	.002	.0000	.003	.001
%RSD	.2575	.1606	1.198	42.73	.0731	.1137	.0491	.1326	.0357
#1	1.903	1.894	.0026	.0046	1.922	1.930	-.0771	1.929	1.990
#2	1.896	1.890	.0027	.0025	1.920	1.927	-.0771	1.926	1.991

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.932**	**1.901**	**1.942**	**-.0089**	**1.905**	**.0523**
Stddev	.005	.003	.001	.0008	.004	.0091
%RSD	.2762	.1764	.0723	8.959	.1857	17.48
#1	1.928	1.904	1.943	-.0083	1.908	.0587
#2	1.936	1.899	1.941	-.0095	1.903	.0458

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4207.6**	**86027.**	**8967.4**
Stddev	4.7	14.	12.6
%RSD	.11091	.01663	.14105
#1	4204.3	86017.	8958.5
#2	4210.9	86037.	8976.4

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/19/2013 12:01:22 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0001**	**.0032**	**-.0006**	**-.0001**	**.0003**	**.0002**	**.0000**	**-.0003**	**-.0001**
Stddev	.0002	.0117	.0008	.0011	.0002	.0001	.0001	.0019	.0000
%RSD	135.2	362.3	145.3	1624.	81.73	43.75	259.1	619.6	20.59
#1	.0002	.0115	.0000	-.0009	.0004	.0001	.0001	-.0016	-.0001
#2	.0000	-.0051	-.0012	.0007	.0001	.0002	.0000	.0010	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**-.0002**	**-.0002**	**.0018**	**-.0017**	**.0517**	**.0001**	**.0018**	**-.0553**
Stddev	.0001	.0002	.0003	.0071	.0013	.0000	.0000	.0012	.0000
%RSD	40.02	113.1	139.1	393.3	75.65	2.525	3.181	67.76	.0857
#1	-.0002	.0000	.0000	-.0032	-.0026	.0526	.0001	.0026	-.0553
#2	-.0001	-.0004	-.0004	.0068	-.0008	.0508	.0001	.0009	-.0554

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0000**	**.0003**	**.0000**	**-.0002**	**.0007**	**-.0001**	**-.0015**	**.0000**	**.0001**
Stddev	.000	.0003	.0009	.0044	.0003	.0011	.0002	.000	.0000
%RSD	329.5	131.4	1995.	2106.	47.92	741.4	11.16	486.6	26.04
#1	.0000	.0000	-.0006	-.0033	.0005	-.0009	-.0016	-.0002	.0001
#2	.0000	.0005	.0007	.0029	.0009	.0006	-.0013	.0001	.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0002**	**.0008**	**.0001**	**-.0024**	**-.0002**	**.0005**
Stddev	.0001	.0004	.0002	.0051	.0000	.0007
%RSD	57.77	50.05	211.9	210.5	4.661	147.3
#1	.0003	.0010	.0002	-.0061	-.0002	.0010
#2	.0001	.0005	.0000	.0012	-.0002	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4192.9**	**85102.**	**8930.6**
Stddev	15.9	955.	337.5
%RSD	.37836	1.1225	3.7794
#1	4181.7	84427.	9169.2
#2	4204.2	85778.	8691.9

Zoom In Zoom Out

Sample Name: CRIA Acquired: 8/19/2013 12:06:18 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0049**	**.2087**	**.0100**	**-.0003**	**.0954**	**.0494**	**.0041**	**4.955**	**.0040**
Stddev	.0006	.0091	.0009	.0009	.0004	.0004	.0000	.012	.0000
%RSD	11.54	4.342	8.585	284.7	.3787	.8573	1.036	.2409	.0945
#1	.0053	.2023	.0094	.0003	.0952	.0491	.0041	4.946	.0040
#2	.0045	.2151	.0106	-.0009	.0957	.0497	.0041	4.963	.0040

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0514**	**.0098**	**.0229**	**.1035**	**5.026**	**4.948**	**.0151**	**.0992**	**4.974**
Stddev	.0002	.0002	.0004	.0017	.054	.010	.0000	.0003	.003
%RSD	.3022	1.731	1.578	1.655	1.077	.2002	.1668	.2543	.0626
#1	.0513	.0099	.0227	.1047	4.988	4.955	.0150	.0990	4.972
#2	.0515	.0097	.0232	.1023	5.065	4.941	.0151	.0994	4.976

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0397**	**.0103**	**-.0016**	**-.0008**	**.0107**	**.0104**	**-.0772**	**.0982**	**.0102**
Stddev	.0001	.0002	.0009	.0027	.0016	.0001	.0004	.0005	.0001
%RSD	.3696	1.462	59.09	336.0	14.84	.5041	.5506	.5507	.6359
#1	.0396	.0104	-.0009	-.0027	.0096	.0103	-.0775	.0978	.0101
#2	.0398	.0102	-.0022	.0011	.0119	.0104	-.0769	.0986	.0102

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0501**	**.0101**	**.0096**	**-.0063**	**.0203**	**.0003**
Stddev	.0001	.0005	.0001	.0023	.0002	.0007
%RSD	.1439	5.047	.7620	35.90	1.059	237.9
#1	.0501	.0105	.0096	-.0079	.0201	-.0002
#2	.0502	.0097	.0095	-.0047	.0204	.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4189.6**	**86460.**	**8960.5**
Stddev	10.7	589.	8.9
%RSD	.25440	.68073	.09921
#1	4197.1	86876.	8966.8
#2	4182.1	86044.	8954.3

Zoom In Zoom Out

Sample Name: CRIB Acquired: 8/19/2013 12:11:10 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0048**	**.1979**	**.0098**	**.0010**	**.0966**	**.5081**	**.0040**	**4.990**	**.0039**
Stddev	.0001	.0007	.0008	.0003	.0002	.0045	.0001	.019	.0000
%RSD	1.866	.3394	8.145	26.67	.2045	.8925	1.971	.3785	.6314
#1	.0047	.1983	.0104	.0008	.0965	.5113	.0041	5.003	.0039
#2	.0049	.1974	.0093	.0011	.0967	.5049	.0040	4.976	.0040

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0517**	**.0101**	**.0233**	**.1095**	**4.995**	**5.023**	**.0154**	**.0995**	**5.025**
Stddev	.0001	.0000	.0001	.0006	.072	.005	.0000	.0003	.019
%RSD	.1597	.0507	.2588	.5687	1.449	.1087	.2405	.2681	.3755
#1	.0518	.0101	.0233	.1099	5.046	5.019	.0153	.0997	5.011
#2	.0517	.0101	.0232	.1090	4.944	5.026	.0154	.0993	5.038

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0403**	**.0105**	**-.0011**	**.0026**	**.0066**	**.0242**	**-.0755**	**.0995**	**.0102**
Stddev	.0000	.0003	.0002	.0008	.0002	.0004	.0001	.0001	.0001
%RSD	.1161	2.770	20.04	28.92	3.278	1.639	.1806	.1474	.9483
#1	.0404	.0103	-.0012	.0032	.0068	.0239	-.0756	.0996	.0103
#2	.0403	.0107	-.0009	.0021	.0065	.0245	-.0754	.0994	.0101

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0510**	**.0050**	**.0102**	**-.0116**	**.1063**	**.0006**
Stddev	.0003	.0001	.0001	.0037	.0003	.0003
%RSD	.6845	1.753	.8473	32.11	.2387	57.82
#1	.0507	.0049	.0103	-.0090	.1065	.0003
#2	.0512	.0050	.0101	-.0143	.1061	.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4176.3**	**85571.**	**8901.3**
Stddev	2.3	83.	43.5
%RSD	.05531	.09735	.48896
#1	4174.7	85630.	8870.5
#2	4177.9	85512.	8932.1

Zoom In Zoom Out

Sample Name: ICSA Acquired: 8/19/2013 12:16:01 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**515.2**	**-.0012**	**.0416**	**-.0023**	**.0020**	**.0000**	**450.7**	**.0002**
Stddev	.000	3.0	.0023	.0009	.0001	.0000	.0000	7.6	.0000
%RSD	208.9	.5743	186.2	2.089	4.891	1.046	18.00	1.697	16.80
#1	-.0001	513.1	-.0028	.0422	-.0022	.0019	.0000	445.2	.0001
#2	.0000	517.2	.0004	.0410	-.0023	.0020	.0000	456.1	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0003**	**.0001**	**-.0001**	**182.9**	**-.0165**	**496.4**	**.0011**	**-.0043**	**-.0536**
Stddev	.0000	.0001	.0002	1.4	.0001	3.5	.0001	.0001	.0119
%RSD	4.456	62.33	137.9	.7718	.3286	.6995	5.512	2.491	22.19
#1	-.0003	.0001	-.0003	181.9	-.0165	493.9	.0010	-.0042	-.0620
#2	-.0002	.0001	.0000	183.9	-.0166	498.8	.0011	-.0044	-.0452

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0018**	**-.0012**	**-.0088**	**-.0014**	**-.0012**	**-.0072**	**-.0440**	**-.0014**	**.0014**
Stddev	.0001	.0003	.0012	.0013	.0003	.0003	.0006	.0003	.0002
%RSD	6.529	24.05	13.35	92.34	26.26	4.211	1.461	24.36	11.85
#1	.0019	-.0014	-.0096	-.0023	-.0014	-.0070	-.0435	-.0012	.0015
#2	.0017	-.0010	-.0079	-.0005	-.0010	-.0074	-.0444	-.0017	.0013

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0080**	**-.0017**	**.0002**	**-.0329**	**-.0010**	**.0020**
Stddev	.0002	.0003	.0005	.0041	.0000	.0002
%RSD	1.993	20.63	280.8	12.33	4.606	9.351
#1	.0081	-.0014	-.0002	-.0300	-.0009	.0019
#2	.0079	-.0019	.0005	-.0357	-.0010	.0022

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3905.2**	**80874.**	**8760.6**
Stddev	5.2	220.	71.7
%RSD	.13260	.27231	.81874
#1	3901.5	81030.	8811.3
#2	3908.9	80718.	8709.9

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 8/19/2013 12:20:54 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**1.005**	**514.1**	**1.962**	**.5176**	**.9409**	**.4952**	**.4566**	**445.3**	**.9755**
Stddev	.000	.9	.020	.0019	.0070	.0011	.0004	3.3	.0066
%RSD	.0401	.1743	1.001	.3735	.7464	.2320	.0857	.7320	.6751
#1	1.005	514.8	1.948	.5190	.9359	.4960	.4569	443.0	.9708
#2	1.005	513.5	1.976	.5163	.9458	.4944	.4563	447.6	.9802

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4469**	**.4673**	**.4852**	**182.7**	**-.0123**	**496.6**	**.4644**	**.9112**	**-.0561**
Stddev	.0035	.0017	.0014	.5	.0079	.1	.0004	.0103	.0017
%RSD	.7890	.3591	.2903	.2707	64.46	.0269	.0762	1.127	3.024
#1	.4444	.4661	.4842	183.0	-.0178	496.7	.4646	.9039	-.0549
#2	.4494	.4685	.4862	182.3	-.0067	496.5	.4641	.9184	-.0573

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.8280**	**.8510**	**.4988**	**.4796**	**1.964**	**1.930**	**2.029**	**.9165**	**.9989**
Stddev	.0073	.0077	.0010	.0019	.010	.021	.020	.0095	.0028
%RSD	.8856	.9054	.1982	.3991	.5282	1.062	.9642	1.040	.2783
#1	.8228	.8455	.4995	.4782	1.956	1.916	2.015	.9097	1.001
#2	.8332	.8564	.4981	.4809	1.971	1.945	2.042	.9232	.9969

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4870**	**1.733**	**.4837**	**1.796**	**.8610**	**.3978**
Stddev	.0002	.014	.0007	.018	.0083	.0016
%RSD	.0474	.7935	.1547	1.026	.9620	.4055
#1	.4872	1.723	.4842	1.783	.8552	.3966
#2	.4868	1.743	.4832	1.809	.8669	.3989

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3871.6**	**80799.**	**8789.6**
Stddev	25.8	129.	.5
%RSD	.66654	.15931	.00584
#1	3889.8	80708.	8789.9
#2	3853.3	80890.	8789.2

Zoom In Zoom Out

Sample Name: MP21517-B1 Acquired: 8/19/2013 12:25:39 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2114**	**2.098**	**.5765**	**.0003**	**-.0015**	**2.006**	**.5005**	**.0302**	**.5324**
Stddev	.0003	.012	.0027	.0023	.0002	.012	.0024	.0097	.0001
%RSD	.1307	.5750	.4602	798.6	16.34	.6143	.4724	32.13	.0176
#1	.2113	2.107	.5747	-.0013	-.0013	2.015	.5022	.0370	.5323
#2	.2116	2.090	.5784	.0019	-.0016	1.997	.4989	.0233	.5324

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5031**	**.5146**	**.5030**	**2.023**	**.2102**	**.0432**	**.4985**	**-.0001**	F **997.9**
Stddev	.0002	.0013	.0036	.021	.0008	.0014	.0005	.0006	58.1
%RSD	.0477	.2601	.7170	1.043	.3872	3.190	.1047	571.7	5.825
#1	.5029	.5155	.5055	2.038	.2097	.0441	.4989	.0003	1039.
#2	.5032	.5136	.5004	2.008	.2108	.0422	.4982	-.0005	956.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.4853**	**.9433**	**.0001**	**.0011**	**.5200**	**.5808**	**-.0176**	**.0018**	**.5226**
Stddev	.0004	.0004	.0022	.0003	.0003	.0017	.0004	.0001	.0003
%RSD	.0778	.0402	2674.	24.04	.0623	.2886	2.288	5.515	.0484
#1	.4850	.9436	-.0015	.0009	.5202	.5796	-.0178	.0017	.5228
#2	.4855	.9431	.0017	.0013	.5198	.5820	-.0173	.0019	.5224

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4990**	**.4591**	**.5220**	**.0023**	**.5220**	**.0402**
Stddev	.0003	.0004	.0001	.0002	.0005	.0025
%RSD	.0534	.0828	.0228	6.852	.1005	6.155
#1	.4992	.4594	.5221	.0024	.5216	.0419
#2	.4988	.4589	.5219	.0022	.5223	.0384

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3866.4**	**81471.**	**9101.7**
Stddev	1.4	350.	5.4
%RSD	.03709	.42957	.05935
#1	3867.4	81718.	9097.9
#2	3865.4	81223.	9105.6

Zoom In Zoom Out

Sample Name: MP21517-MB1 Acquired: 8/19/2013 12:30:32 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.0075**	**-.0009**	**.0000**	**-.0036**	**.0003**	**.0000**	**.0064**	**.0003**
Stddev	.001	.0152	.0004	.0004	.0000	.0001	.000	.0114	.0001
%RSD	2284.	203.8	46.26	13350.	1.252	18.39	122.1	177.2	31.47
#1	.0003	-.0033	-.0012	-.0002	-.0036	.0003	.0000	-.0016	.0002
#2	-.0003	.0182	-.0006	.0003	-.0036	.0004	.0000	.0145	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0001**	**.0000**	**.0088**	**-.0089**	**.0238**	**.0021**	**-.0016**	**.6730**
Stddev	.0001	.0002	.0001	.0025	.0008	.0180	.0001	.0001	.0461
%RSD	188.1	192.7	316.9	28.93	9.314	75.49	4.658	8.518	6.850
#1	.0001	.0002	.0001	.0070	-.0095	.0111	.0021	-.0015	.6404
#2	.0000	.0000	.0000	.0106	-.0084	.0366	.0022	-.0017	.7056

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0003**	**.0006**	**-.0018**	**.0017**	**.0006**	**.0010**	**-.0389**	**.0000**	**.0001**
Stddev	.0002	.0004	.0004	.0005	.0002	.0006	.0000	.0002	.0001
%RSD	89.66	69.56	21.70	32.12	27.54	56.32	.0489	4593.	96.75
#1	.0001	.0003	-.0020	.0013	.0005	.0006	-.0389	.0001	.0001
#2	.0004	.0009	-.0015	.0020	.0007	.0014	-.0389	-.0001	.0000

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0005**	**.0003**	**.0004**	**-.0097**	**.0005**	**-.0004**
Stddev	.0002	.0009	.0006	.0034	.0001	.0002
%RSD	49.84	320.1	163.4	35.06	14.59	44.16
#1	.0007	.0009	-.0001	-.0073	.0005	-.0003
#2	.0003	-.0003	.0008	-.0121	.0006	-.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4162.5**	**85949.**	**9020.7**
Stddev	14.8	471.	80.5
%RSD	.35546	.54785	.89246
#1	4173.0	85616.	8963.7
#2	4152.0	86282.	9077.6

Zoom In Zoom Out

Sample Name: MP21517-S1 Acquired: 8/19/2013 12:35:28 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2155**	**2.117**	**.6319**	**.0300**	**.1126**	**6.579**	**.4870**	F **588.4**	**.5454**
Stddev	.0019	.077	.0005	.0001	.0001	.228	.0154	8.3	.0001
%RSD	.8869	3.628	.0849	.3225	.0715	3.464	3.172	1.413	.0226
#1	.2141	2.062	.6315	.0299	.1127	6.418	.4761	582.5	.5453
#2	.2168	2.171	.6323	.0300	.1126	6.740	.4979	594.2	.5455

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5025**	**.5014**	**.5198**	**127.2**	**4.580**	**8.660**	**2.574**	**.0425**	F **951.7**
Stddev	.0005	.0015	.0030	4.6	.156	.412	.009	.0000	30.5
%RSD	.0970	.2994	.5861	3.636	3.409	4.758	.3434	.0588	3.209
#1	.5028	.5004	.5176	124.0	4.470	8.368	2.567	.0425	930.1
#2	.5021	.5025	.5219	130.5	4.691	8.951	2.580	.0425	973.2

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.6677**	**.9362**	**-.0193**	**.0043**	**.5416**	**.5769**	**1.062**	**.0024**	**1.845**
Stddev	.0018	.0036	.0023	.0007	.0009	.0006	.003	.0000	.062
%RSD	.2683	.3846	11.73	17.20	.1605	.1025	.3236	1.530	3.382
#1	.6690	.9388	-.0209	.0038	.5410	.5765	1.064	.0024	1.801
#2	.6664	.9337	-.0177	.0049	.5422	.5773	1.059	.0024	1.889

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5017**	**.4504**	**.5216**	**.0018**	**.4988**	**.0074**
Stddev	.0017	.0004	.0006	.0050	.0022	.0006
%RSD	.3421	.0975	.1220	273.1	.4438	8.179
#1	.5005	.4507	.5211	-.0017	.5003	.0079
#2	.5029	.4501	.5220	.0054	.4972	.0070

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3632.3**	**79505.**	**8969.1**
Stddev	6.1	203.	279.3
%RSD	.16799	.25470	3.1138
#1	3628.0	79649.	9166.6
#2	3636.6	79362.	8771.7

Zoom In Zoom Out

Sample Name: MP21517-S2 Acquired: 8/19/2013 12:40:24 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2133	2.153	.6312	.0288	.1149	6.858	.4977	F 615.7	.5441
Stddev	.0001	.036	.0017	.0023	.0000	.008	.0016	6.2	.0000
%RSD	.0525	1.669	.2730	7.948	.0072	.1104	.3206	1.010	.0049
#1	.2133	2.178	.6324	.0272	.1149	6.864	.4988	620.1	.5441
#2	.2132	2.127	.6300	.0304	.1149	6.853	.4965	611.3	.5442

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.4998	.4975	.5142	133.5	4.846	9.104	2.594	.0437	F 966.6
Stddev	.0002	.0003	.0005	.5	.028	.040	.004	.0000	19.8
%RSD	.0376	.0589	.0963	.3417	.5683	.4423	.1668	.0239	2.043
#1	.5000	.4973	.5139	133.8	4.827	9.132	2.597	.0437	980.5
#2	.4997	.4977	.5146	133.1	4.866	9.075	2.591	.0437	952.6

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.6643	.9270	-.0171	.0022	.5395	.5764	1.077	.0024	1.920
Stddev	.0017	.0020	.0009	.0000	.0016	.0022	.003	.0000	.011
%RSD	.2587	.2142	5.131	.4095	.3012	.3830	.2444	.1229	.5818
#1	.6655	.9256	-.0177	.0022	.5407	.5780	1.079	.0024	1.927
#2	.6631	.9284	-.0165	.0022	.5384	.5748	1.075	.0024	1.912

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4986	.4481	.5173	-.0006	.4947	.0009
Stddev	.0002	.0020	.0016	.0058	.0004	.0004
%RSD	.0397	.4376	.3115	1038.	.0782	45.85
#1	.4984	.4495	.5184	-.0047	.4950	.0012
#2	.4987	.4467	.5161	.0036	.4944	.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3629.1	79324.	8702.8
Stddev	6.9	168.	6.4
%RSD	.19081	.21144	.07305
#1	3624.2	79205.	8698.3
#2	3634.0	79443.	8707.3

Zoom In Zoom Out

Sample Name: MC23544-1 Acquired: 8/19/2013 12:45:21 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0006	.0024	.0561	.0297	.1607	4.745	.0000	F 596.8	.0000
Stddev	.0007	.0076	.0000	.0011	.0007	.022	.000	1.5	.0000
%RSD	119.0	314.8	.0287	3.567	.4276	.4571	34.39	.2467	27.98
#1	-.0011	-.0030	.0561	.0305	.1611	4.730	.0000	595.8	.0000
#2	-.0001	.0078	.0561	.0290	.1602	4.761	.0000	597.9	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0082	.0050	.0160	129.7	4.941	9.003	2.049	.0417	F 949.7
Stddev	.0001	.0004	.0000	.5	.026	.071	.044	.0001	30.4
%RSD	1.712	7.083	.2837	.3968	.5186	.7894	2.164	.1896	3.200
#1	.0081	.0047	.0160	129.3	4.922	8.953	2.080	.0417	971.2
#2	.0083	.0052	.0161	130.0	4.959	9.053	2.018	.0416	928.2

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.1941	.0174	-.0181	-.0010	.0082	.0020	1.192	.0033	1.382
Stddev	.0000	.0004	.0016	.0026	.0010	.0006	.004	.0002	.001
%RSD	.0223	2.485	8.713	257.1	12.21	28.87	.3578	5.291	.0761
#1	.1941	.0177	-.0192	-.0029	.0089	.0025	1.189	.0032	1.383
#2	.1942	.0171	-.0170	.0008	.0075	.0016	1.195	.0034	1.381

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0033	-.0029	.0004	.0032	.0146	-.0051
Stddev	.0000	.0001	.0002	.0010	.0000	.0002
%RSD	.0980	4.069	43.49	30.80	.0356	4.430
#1	.0033	-.0028	.0003	.0025	.0146	-.0049
#2	.0033	-.0030	.0005	.0039	.0146	-.0052

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3614.8	80711.	8776.9
Stddev	.9	1293.	27.1
%RSD	.02626	1.6015	.30876
#1	3615.5	79797.	8757.8
#2	3614.1	81625.	8796.1

Zoom In Zoom Out

Sample Name: MP21517-SD1 Acquired: 8/19/2013 12:50:22 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0013	.0510	.0515	.0343	.1607	4.667	.0004	639.5	-.0003
Stddev	.0023	.0045	.0030	.0009	.0015	.067	.0000	9.3	.0004
%RSD	176.3	8.913	5.916	2.515	.9030	1.443	10.14	1.457	159.5
#1	.0003	.0478	.0536	.0337	.1597	4.715	.0003	646.1	.0000
#2	-.0029	.0542	.0493	.0349	.1617	4.620	.0004	632.9	-.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0083	.0070	.0149	135.2	4.759	9.697	2.152	.0330	1281.
Stddev	.0010	.0028	.0003	2.4	.049	.202	.004	.0009	14.
%RSD	11.68	39.38	1.708	1.806	1.030	2.079	.1608	2.814	1.070
#1	.0076	.0089	.0151	136.9	4.724	9.839	2.149	.0324	1290.
#2	.0090	.0050	.0147	133.4	4.794	9.554	2.154	.0337	1271.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.2030	.0199	-.0228	.0281	.0096	-.0005	.8294	.0022	1.380
Stddev	.0001	.0015	.0037	.0076	.0025	.0004	.0029	.0004	.023
%RSD	.0396	7.441	16.42	27.20	25.85	80.30	.3438	16.48	1.691
#1	.2029	.0210	-.0255	.0227	.0113	-.0008	.8274	.0019	1.397
#2	.2031	.0189	-.0202	.0335	.0078	-.0002	.8314	.0025	1.364

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0057	-.0013	.0020	-.0356	.0151	-.0073
Stddev	.0013	.0022	.0022	.0136	.0006	.0015
%RSD	22.23	171.0	112.4	38.23	3.692	20.41
#1	.0066	-.0028	.0035	-.0453	.0147	-.0083
#2	.0048	.0003	.0004	-.0260	.0155	-.0062

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4027.8	84735.	9004.7
Stddev	11.3	36.	130.3
%RSD	.27933	.04208	1.4465
#1	4035.8	84760.	8912.6
#2	4019.9	84710.	9096.8

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/19/2013 12:55:20 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2454	9.537	1.930	.0026	1.924	1.855	1.868	9.676	1.954
Stddev	.0008	.760	.001	.0003	.002	.151	.144	.728	.002
%RSD	.3182	7.970	.0408	12.39	.0764	8.134	7.730	7.520	.0792
#1	.2448	10.07	1.930	.0029	1.923	1.962	1.970	10.19	1.955
#2	.2459	9.000	1.929	.0024	1.925	1.749	1.766	9.162	1.953

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	2.025	1.978	1.936	9.546	9.543	9.508	1.987	1.943	10.17
Stddev	.001	.004	.015	.765	.741	.751	.002	.004	.66
%RSD	.0376	.2191	.7764	8.014	7.765	7.903	.0865	.1898	6.538
#1	2.026	1.975	1.926	10.09	10.07	10.04	1.986	1.941	10.64
#2	2.025	1.981	1.947	9.005	9.019	8.977	1.988	1.946	9.696

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	1.906	1.906	.0025	.0034	1.934	1.955	-.1140	1.952	1.966
Stddev	.000	.002	.0012	.0008	.000	.001	.0006	.002	.143
%RSD	.0207	.0888	48.91	23.76	.0232	.0468	.5255	.1102	7.259
#1	1.906	1.905	.0034	.0040	1.934	1.955	-.1145	1.951	2.067
#2	1.906	1.907	.0016	.0028	1.933	1.956	-.1136	1.954	1.865

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.967	1.909	1.980	-.0190	1.949	.0124
Stddev	.007	.001	.008	.0012	.002	.0021
%RSD	.3428	.0345	.3896	6.322	.0946	17.27
#1	1.962	1.909	1.975	-.0199	1.951	.0139
#2	1.972	1.909	1.986	-.0182	1.948	.0109

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4221.3	86209.	9368.7
Stddev	.8	95.	626.3
%RSD	.01787	.10980	6.6847
#1	4221.8	86142.	8925.9
#2	4220.7	86276.	9811.6

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/19/2013 13:00:43 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2419**	**9.916**	**1.890**	**.0024**	**1.887**	**1.925**	**1.936**	**9.970**	**1.904**
Stddev	.0005	.113	.004	.0019	.004	.025	.012	.037	.003
%RSD	.2264	1.141	.2289	81.30	.2105	1.298	.6380	.3693	.1361
#1	.2415	9.996	1.893	.0037	1.889	1.943	1.944	9.996	1.906
#2	.2423	9.836	1.887	.0010	1.884	1.907	1.927	9.944	1.902

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**1.974**	**1.941**	**1.890**	**9.837**	**9.865**	**9.863**	**1.951**	**1.900**	**10.24**
Stddev	.004	.007	.006	.080	.046	.146	.007	.001	.02
%RSD	.1962	.3381	.3453	.8116	.4684	1.484	.3736	.0689	.1700
#1	1.977	1.936	1.885	9.894	9.897	9.967	1.946	1.901	10.25
#2	1.972	1.945	1.894	9.781	9.832	9.760	1.956	1.899	10.23

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**1.866**	**1.860**	**.0034**	**-.0006**	**1.894**	**1.910**	**-.0771**	**1.907**	**2.018**
Stddev	.004	.006	.0009	.0011	.005	.006	.0006	.004	.009
%RSD	.2418	.3249	27.18	188.9	.2480	.3257	.8191	.2059	.4370
#1	1.869	1.865	.0040	.0002	1.897	1.915	-.0767	1.910	2.024
#2	1.863	1.856	.0027	-.0014	1.891	1.906	-.0776	1.904	2.012

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.926**	**1.870**	**1.945**	**-.0174**	**1.896**	**-.0034**
Stddev	.008	.004	.004	.0008	.002	.0001
%RSD	.3925	.2183	.2141	4.717	.0789	1.820
#1	1.921	1.873	1.942	-.0180	1.897	-.0035
#2	1.931	1.868	1.948	-.0168	1.894	-.0034

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4246.9**	**85744.**	**9020.2**
Stddev	8.5	55.	58.0
%RSD	.20116	.06455	.64315
#1	4240.9	85783.	8979.2
#2	4253.0	85705.	9061.2

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/19/2013 13:06:34 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0006**	**-.0074**	**.0005**	**.0002**	**.0006**	**.0002**	**.0000**	**-.0051**	**.0004**
Stddev	.0005	.0125	.0008	.0006	.0004	.0001	.000	.0023	.0000
%RSD	85.38	167.9	139.3	335.7	57.10	52.09	86.53	44.73	6.040
#1	-.0002	.0014	.0011	.0006	.0009	.0001	.0000	-.0035	.0003
#2	-.0010	-.0162	.0000	-.0003	.0004	.0003	.0000	-.0068	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0003**	**-.0001**	**-.0005**	**.0005**	**-.0170**	**.0438**	**.0000**	**.0011**	**.3043**
Stddev	.0000	.0002	.0003	.0015	.0186	.0046	.000	.0006	.0230
%RSD	13.89	239.7	66.46	286.0	109.1	10.56	14.69	50.89	7.557
#1	.0003	.0001	-.0002	.0016	-.0039	.0471	.0000	.0015	.3206
#2	.0003	-.0002	-.0007	-.0005	-.0302	.0406	.0000	.0007	.2881

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0004**	**.0005**	**-.0001**	**.0024**	**.0006**	**.0010**	**-.0010**	**.0003**	**.0000**
Stddev	.0000	.0001	.0006	.0016	.0004	.0001	.0002	.0001	.000
%RSD	1.384	26.48	416.9	66.83	75.32	7.299	17.22	20.40	95.00
#1	.0004	.0004	.0003	.0013	.0009	.0009	-.0009	.0003	.0000
#2	.0004	.0006	-.0005	.0035	.0003	.0010	-.0012	.0004	.0000

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0002**	**.0019**	**.0003**	**-.0140**	**.0004**	**.0000**
Stddev	.0001	.0005	.0008	.0035	.0001	.000
%RSD	53.04	26.50	285.5	25.17	24.18	304.4
#1	.0003	.0023	-.0003	-.0115	.0003	-.0001
#2	.0001	.0016	.0009	-.0165	.0004	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4184.3**	**85515.**	**8928.6**
Stddev	2.6	344.	22.8
%RSD	.06307	.40283	.25496
#1	4186.2	85758.	8944.7
#2	4182.4	85271.	8912.5

Zoom In Zoom Out

Sample Name: MP21517-B2 Acquired: 8/19/2013 13:11:31 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2127**	**2.095**	**.5747**	**-.0001**	**-.0018**	**2.007**	**.4998**	**.0053**	**.5289**
Stddev	.0013	.016	.0018	.0009	.0000	.004	.0007	.0015	.0000
%RSD	.6045	.7390	.3097	916.5	.6539	.1725	.1349	28.56	.0080
#1	.2117	2.084	.5759	.0005	-.0018	2.010	.5003	.0042	.5289
#2	.2136	2.106	.5734	-.0007	-.0018	2.005	.4994	.0064	.5288

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5000**	**.5147**	**.5027**	**2.007**	**.2468**	**.0232**	**.4991**	**-.0012**	F **1035.**
Stddev	.0009	.0026	.0014	.008	.0125	.0068	.0008	.0002	15.
%RSD	.1759	.5116	.2808	.4059	5.059	29.16	.1698	18.12	1.423
#1	.5006	.5166	.5017	2.012	.2380	.0280	.4985	-.0011	1045.
#2	.4993	.5128	.5037	2.001	.2556	.0184	.4997	-.0014	1024.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.4846**	**.9451**	**-.0005**	**-.0012**	**.5164**	**.5786**	**-.0181**	**.0020**	**.5216**
Stddev	.0004	.0011	.0006	.0014	.0010	.0011	.0004	.0000	.0007
%RSD	.0794	.1189	111.2	110.9	.1951	.1983	2.179	.7928	.1384
#1	.4849	.9459	-.0001	-.0003	.5157	.5778	-.0184	.0020	.5221
#2	.4843	.9443	-.0009	-.0022	.5171	.5794	-.0179	.0020	.5211

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4996**	**.4566**	**.5236**	**-.0109**	**.5192**	**-.0014**
Stddev	.0017	.0003	.0003	.0018	.0010	.0003
%RSD	.3385	.0588	.0504	16.61	.1971	20.40
#1	.4984	.4568	.5238	-.0096	.5199	-.0012
#2	.5008	.4564	.5234	-.0121	.5185	-.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3874.6**	**80995.**	**9042.5**
Stddev	3.9	87.	45.4
%RSD	.10143	.10789	.50192
#1	3871.8	81057.	9010.4
#2	3877.3	80933.	9074.6

Zoom In Zoom Out

Sample Name: MP21517-LB1 Acquired: 8/19/2013 13:16:24 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0003**	**.0071**	**.0003**	**-.0005**	**-.0017**	**.0017**	**.0000**	**.0022**	**-.0001**
Stddev	.0001	.0033	.0002	.0005	.0001	.0001	.0000	.0016	.0000
%RSD	23.72	46.20	62.38	97.71	5.029	8.610	72.92	71.98	31.70
#1	-.0003	.0095	.0002	-.0008	-.0016	.0018	.0000	.0011	-.0001
#2	-.0004	.0048	.0004	-.0001	-.0018	.0016	.0001	.0033	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0004**	**.0012**	**.0001**	**.0043**	**.2521**	**.0057**	**.0003**	**-.0018**	F **994.8**
Stddev	.0000	.0009	.0002	.0031	.0318	.0146	.0001	.0000	16.8
%RSD	6.160	78.01	126.8	72.87	12.60	257.7	21.96	.2841	1.693
#1	-.0004	.0005	.0000	.0021	.2296	-.0047	.0003	-.0019	1007.
#2	-.0003	.0018	.0003	.0065	.2745	.0160	.0004	-.0018	982.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0031**	**-.0004**	**.0005**	**.0006**	**-.0002**	**.0049**	**-.0050**	**.0026**	**.0016**
Stddev	.0000	.0006	.0001	.0007	.0002	.0005	.0013	.0002	.0001
%RSD	.0049	134.6	21.29	107.7	93.00	9.249	26.37	6.021	5.112
#1	.0031	.0000	.0005	.0001	-.0001	.0046	-.0060	.0025	.0017
#2	.0031	-.0009	.0006	.0011	-.0003	.0052	-.0041	.0027	.0016

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0003**	**-.0031**	**-.0003**	**-.0085**	**-.0023**	**-.0002**
Stddev	.0000	.0001	.0003	.0011	.0000	.0005
%RSD	1.014	3.399	109.4	12.40	1.638	195.7
#1	.0003	-.0030	-.0005	-.0092	-.0023	-.0006
#2	.0003	-.0032	-.0001	-.0078	-.0023	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3865.9**	**81827.**	**9094.7**
Stddev	17.6	180.	15.1
%RSD	.45434	.21985	.16654
#1	3878.3	81955.	9084.0
#2	3853.5	81700.	9105.5

Zoom In Zoom Out

Sample Name: MP21517-LS1 Acquired: 8/19/2013 13:21:26 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2406**	**8.047**	**.5521**	**.0101**	**1.010**	**2.074**	**.5034**	**57.39**	**.5351**
Stddev	.0009	.097	.0007	.0006	.001	.021	.0041	.32	.0015
%RSD	.3795	1.208	.1347	5.658	.0986	.9877	.8153	.5535	.2768
#1	.2399	8.116	.5526	.0097	1.011	2.089	.5063	57.62	.5361
#2	.2412	7.978	.5515	.0105	1.010	2.060	.5005	57.17	.5340

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.6662**	**11.68**	F **40.34**	**45.95**	**71.30**	**13.42**	**1.519**	**.1061**	F **834.6**
Stddev	.0012	.02	.07	.31	.80	.13	.003	.0001	1.5
%RSD	.1835	.1291	.1753	.6655	1.116	.9399	.2156	.1076	.1748
#1	.6671	11.69	40.39	46.17	71.86	13.51	1.521	.1062	835.6
#2	.6653	11.66	40.29	45.74	70.73	13.33	1.516	.1061	833.6

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**6.894**	**1.022**	**.0045**	**-.0082**	**.5201**	**.5262**	**9.667**	**.0425**	**.9715**
Stddev	.022	.003	.0008	.0057	.0028	.0020	.027	.0002	.0038
%RSD	.3132	.2841	18.16	69.23	.5416	.3865	.2811	.4514	.3938
#1	6.909	1.024	.0051	-.0122	.5221	.5276	9.686	.0427	.9742
#2	6.879	1.020	.0040	-.0042	.5181	.5247	9.648	.0424	.9688

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5229**	**.4567**	**.5929**	**.2029**	**1.691**	**-.0499**
Stddev	.0015	.0015	.0000	.0029	.006	.0001
%RSD	.2793	.3205	.0051	1.427	.3398	.2807
#1	.5239	.4577	.5929	.2008	1.695	-.0498
#2	.5218	.4557	.5929	.2049	1.687	-.0500

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3878.6**	**80597.**	**8846.8**
Stddev	15.3	45.	61.4
%RSD	.39393	.05622	.69456
#1	3867.8	80565.	8803.4
#2	3889.4	80629.	8890.3

Zoom In Zoom Out

Sample Name: MC23574-1 Acquired: 8/19/2013 13:26:22 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0286**	**5.880**	**.0078**	**.0120**	**1.060**	**.1324**	**.0001**	**57.26**	**.0115**
Stddev	.0001	.021	.0012	.0004	.001	.0005	.0000	.30	.0001
%RSD	.2139	.3588	16.02	3.603	.0733	.4062	9.615	.5165	.8772
#1	.0287	5.865	.0069	.0123	1.061	.1320	.0001	57.05	.0116
#2	.0286	5.895	.0087	.0117	1.059	.1328	.0001	57.47	.0114

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.1641**	**11.03**	F **38.22**	**43.09**	**67.76**	**13.16**	**.9252**	**.1053**	F **837.1**
Stddev	.0002	.05	.34	.04	.28	.09	.0011	.0007	4.1
%RSD	.1270	.4549	.8784	.0913	.4192	.6624	.1135	.6508	.4869
#1	.1639	11.07	37.99	43.06	67.56	13.09	.9244	.1049	834.2
#2	.1642	11.00	38.46	43.12	67.96	13.22	.9259	.1058	840.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**6.361**	**.0877**	**.0026**	**-.0097**	**.0221**	**.0044**	**9.786**	**.0424**	**.4361**
Stddev	.007	.0001	.0012	.0039	.0012	.0013	.006	.0002	.0015
%RSD	.1111	.1373	45.33	39.86	5.458	30.54	.0599	.4483	.3380
#1	6.356	.0878	.0034	-.0125	.0212	.0054	9.782	.0423	.4351
#2	6.366	.0876	.0017	-.0070	.0229	.0035	9.790	.0425	.4372

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0326**	**.0026**	**.0719**	**.1928**	**1.179**	**-.0493**
Stddev	.0001	.0002	.0002	.0023	.003	.0002
%RSD	.2969	7.966	.3458	1.207	.2792	.3157
#1	.0325	.0027	.0718	.1911	1.177	-.0492
#2	.0326	.0024	.0721	.1944	1.182	-.0494

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3833.5**	**80721.**	**8832.2**
Stddev	4.9	205.	12.6
%RSD	.12775	.25421	.14217
#1	3836.9	80576.	8841.1
#2	3830.0	80866.	8823.3

Zoom In Zoom Out

Sample Name: MC23575-1A Acquired: 8/19/2013 13:31:21 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0005**	**.3637**	**.0008**	**-.0011**	**.1588**	**.2106**	**.0002**	**20.26**	**.0006**
Stddev	.0005	.0026	.0005	.0003	.0005	.0002	.0001	.00	.0000
%RSD	106.1	.7041	55.88	29.15	.3273	.0797	34.77	.0179	.2632
#1	-.0009	.3655	.0005	-.0013	.1585	.2107	.0002	20.26	.0006
#2	-.0001	.3619	.0011	-.0008	.1592	.2105	.0002	20.25	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0008**	**.0028**	**.0075**	**.0935**	**3.361**	**1.612**	**.3169**	**-.0021**	F **990.8**
Stddev	.0001	.0003	.0002	.0008	.020	.012	.0006	.0000	12.5
%RSD	16.40	11.19	2.169	.9054	.6000	.7236	.1863	1.167	1.261
#1	.0009	.0030	.0076	.0929	3.347	1.604	.3165	-.0021	982.0
#2	.0007	.0026	.0074	.0941	3.375	1.620	.3173	-.0021	999.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0041**	**.0054**	**-.0002**	**.0020**	**-.0004**	**.0051**	**2.137**	**.0019**	**.0882**
Stddev	.0002	.0001	.0000	.0007	.0006	.0010	.017	.0002	.0004
%RSD	4.871	2.285	12.04	34.31	146.9	19.27	.7976	7.859	.4853
#1	.0043	.0053	-.0002	.0015	.0000	.0044	2.125	.0020	.0885
#2	.0040	.0055	-.0002	.0025	-.0009	.0058	2.149	.0018	.0879

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0034**	**-.0035**	**.0004**	**-.0113**	**.0311**	**-.0118**
Stddev	.0003	.0002	.0001	.0025	.0001	.0011
%RSD	7.840	6.946	24.30	21.81	.2912	8.998
#1	.0032	-.0037	.0004	-.0096	.0310	-.0125
#2	.0036	-.0033	.0003	-.0131	.0311	-.0110

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3866.4**	**81965.**	**8904.7**
Stddev	24.0	583.	26.4
%RSD	.62028	.71106	.29626
#1	3883.3	82377.	8886.1
#2	3849.4	81553.	8923.4

Zoom In Zoom Out

Sample Name: JB44687-32A Acquired: 8/19/2013 13:36:20 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0005**	**.2931**	**-.0022**	**-.0011**	**.1004**	**.9500**	**.0006**	**45.17**	**.0159**
Stddev	.0005	.0188	.0025	.0093	.0017	.0491	.0005	2.52	.0008
%RSD	87.98	6.420	117.0	870.0	1.738	5.166	79.25	5.573	4.757
#1	-.0002	.2798	-.0004	.0055	.0991	.9152	.0009	43.39	.0164
#2	-.0009	.3064	-.0040	-.0077	.1016	.9847	.0003	46.95	.0153

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0955**	**.0196**	**.1722**	**.7763**	**4.799**	**6.400**	**8.538**	**-.0248**	**1268.**
Stddev	.0011	.0030	.0045	.0507	.253	.199	.081	.0003	67.
%RSD	1.109	15.56	2.630	6.536	5.279	3.106	.9477	1.171	5.261
#1	.0947	.0174	.1754	.7405	4.620	6.259	8.596	-.0246	1221.
#2	.0962	.0217	.1690	.8122	4.978	6.540	8.481	-.0250	1315.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.1279**	**41.65**	**-.0206**	**.0498**	**-.0034**	**-.0057**	**4.499**	**.0000**	**.2925**
Stddev	.0003	.16	.0005	.0593	.0006	.0109	.014	.0006	.0162
%RSD	.2373	.3781	2.638	119.1	18.95	189.6	.3057	1356.	5.543
#1	.1277	41.54	-.0202	.0079	-.0029	-.0134	4.489	.0005	.2811
#2	.1281	41.76	-.0209	.0917	-.0038	.0020	4.509	-.0004	.3040

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0016**	**-.0022**	**.0018**	**-.1547**	**6.044**	**-.0326**
Stddev	.0033	.0068	.0017	.0200	.009	.0070
%RSD	202.9	302.8	91.00	12.94	.1550	21.33
#1	-.0007	-.0071	.0007	-.1405	6.037	-.0277
#2	.0039	.0026	.0030	-.1688	6.050	-.0375

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4183.9**	**85844.**	**9123.5**
Stddev	8.5	972.	381.1
%RSD	.20351	1.1323	4.1773
#1	4189.9	85157.	9393.0
#2	4177.8	86531.	8854.0

Zoom In Zoom Out

Sample Name: JB44690-2A Acquired: 8/19/2013 13:41:13 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0009**	**-.0227**	**-.0078**	**-.0093**	**.0379**	**1.532**	**.0002**	**285.1**	**.0031**
Stddev	.0010	.0285	.0064	.0056	.0012	.016	.0009	.6	.0006
%RSD	121.1	125.3	81.79	59.91	3.086	1.009	461.1	.1964	20.24
#1	-.0016	-.0429	-.0123	-.0133	.0387	1.521	.0008	284.7	.0026
#2	-.0001	-.0026	-.0033	-.0054	.0371	1.543	-.0004	285.5	.0035

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0221**	**.0098**	**.0172**	**.0387**	**3.015**	**3.223**	**2.631**	**-.0245**	**1508.**
Stddev	.0001	.0018	.0019	.0027	.158	.024	.019	.0007	.
%RSD	.5310	18.12	11.11	6.854	5.242	.7378	.7215	2.901	.0131
#1	.0220	.0111	.0159	.0406	2.903	3.206	2.645	-.0250	1508.
#2	.0222	.0086	.0186	.0369	3.127	3.240	2.618	-.0240	1507.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0242**	**56.26**	**-.0273**	**.0471**	**.0184**	**-.0004**	**2.277**	**-.0032**	**1.067**
Stddev	.0011	.02	.0079	.0000	.0052	.0030	.006	.0014	.003
%RSD	4.605	.0347	28.88	.0698	28.16	799.5	.2741	44.90	.2442
#1	.0234	56.25	-.0217	.0471	.0221	-.0025	2.272	-.0022	1.068
#2	.0250	56.27	-.0329	.0471	.0148	.0017	2.281	-.0042	1.065

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0026**	**.0005**	**-.0005**	**-.1273**	**.6712**	**-.0067**
Stddev	.0023	.0073	.0018	.0097	.0026	.0028
%RSD	89.40	1368.	365.2	7.593	.3860	41.37
#1	.0010	.0057	.0008	-.1205	.6694	-.0047
#2	.0042	-.0046	-.0018	-.1342	.6731	-.0087

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4151.1**	**86239.**	**8852.3**
Stddev	9.6	597.	6.0
%RSD	.23037	.69198	.06727
#1	4144.3	85817.	8856.5
#2	4157.8	86661.	8848.1

Zoom In Zoom Out

Sample Name: MC23456-4 Acquired: 8/19/2013 13:46:05 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0008**	**71.90**	**.1480**	**.2153**	**.0568**	**18.47**	**.0033**	**97.06**	**.0128**
Stddev	.0008	.67	.0063	.0008	.0008	.17	.0003	.99	.0005
%RSD	103.7	.9298	4.255	.3730	1.383	.9198	7.619	1.018	3.779
#1	-.0002	72.38	.1436	.2147	.0573	18.59	.0031	97.76	.0124
#2	-.0014	71.43	.1525	.2159	.0562	18.35	.0035	96.36	.0131

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.1477**	**1.138**	**3.965**	**872.4**	**5.862**	**24.55**	**11.69**	**.2728**	**6.901**
Stddev	.0007	.002	.004	10.8	.076	.40	.03	.0003	.122
%RSD	.4615	.1887	.1032	1.240	1.291	1.639	.2343	.1216	1.772
#1	.1472	1.137	3.962	880.0	5.808	24.83	11.67	.2726	6.988
#2	.1482	1.140	3.968	864.7	5.915	24.26	11.71	.2731	6.815

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**2.775**	**2.587**	**.1217**	**-.0117**	**.0201**	**-.0035**	**4.214**	**.2769**	**.6845**
Stddev	.017	.013	.0088	.0107	.0013	.0043	.028	.0008	.0049
%RSD	.5938	.4817	7.200	91.41	6.300	121.2	.6605	.2805	.7153
#1	2.763	2.578	.1279	-.0192	.0209	-.0005	4.195	.2764	.6879
#2	2.787	2.595	.1155	-.0041	.0192	-.0066	4.234	.2775	.6810

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.240**	**-.0019**	**.2115**	**.1230**	**4.092**	**.0244**
Stddev	.001	.0005	.0022	.0305	.022	.0018
%RSD	.0377	28.27	1.052	24.82	.5443	7.453
#1	1.240	-.0015	.2099	.1446	4.076	.0231
#2	1.240	-.0023	.2131	.1014	4.108	.0257

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4245.1**	**87179.**	**9096.7**
Stddev	18.3	592.	113.2
%RSD	.43145	.67934	1.2441
#1	4258.0	87598.	9016.7
#2	4232.1	86761.	9176.7

Zoom In Zoom Out

Sample Name: MC23456-5 Acquired: 8/19/2013 13:50:55 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0015**	**91.73**	**.1114**	**.1249**	**.0790**	**27.58**	**.0041**	**271.6**	**.0059**
Stddev	.0004	1.50	.0003	.0008	.0004	.05	.0000	4.4	.0004
%RSD	28.51	1.631	.2320	.6383	.4512	.1943	.5443	1.623	7.460
#1	.0012	92.78	.1116	.1255	.0787	27.62	.0041	274.7	.0055
#2	.0018	90.67	.1112	.1244	.0792	27.54	.0041	268.5	.0062

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.2864**	**1.802**	**4.820**	**526.1**	**9.440**	**43.16**	**6.044**	**.7354**	**2.908**
Stddev	.0012	.003	.021	6.6	.142	.80	.023	.0059	.162
%RSD	.4134	.1563	.4301	1.260	1.509	1.854	.3807	.8029	5.568
#1	.2855	1.800	4.834	530.8	9.541	43.73	6.060	.7313	3.023
#2	.2872	1.804	4.805	521.4	9.339	42.60	6.028	.7396	2.794

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**1.842**	**.9973**	**.0585**	**-.0088**	**.0013**	**.0011**	**4.605**	**.0570**	**1.081**
Stddev	.011	.0041	.0021	.0112	.0003	.0012	.026	.0006	.013
%RSD	.5692	.4120	3.642	126.3	18.83	113.0	.5717	1.045	1.218
#1	1.834	.9944	.0570	-.0009	.0015	.0019	4.587	.0574	1.090
#2	1.849	1.000	.0600	-.0167	.0012	.0002	4.624	.0565	1.071

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.136**	**-.0013**	**.2850**	**.5535**	**1.209**	**.0695**
Stddev	.003	.0003	.0020	.0086	.005	.0007
%RSD	.3008	21.83	.6856	1.556	.4337	1.045
#1	1.138	-.0011	.2864	.5596	1.205	.0700
#2	1.133	-.0015	.2836	.5474	1.213	.0689

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4244.1**	**87898.**	**9115.2**
Stddev	21.2	61.	160.0
%RSD	.49878	.06932	1.7548
#1	4259.1	87854.	9002.1
#2	4229.2	87941.	9228.3

Zoom In Zoom Out

Sample Name: MC23456-5 Acquired: 8/19/2013 13:55:48 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**91.37**	**.1074**	**.1319**	**.0769**	**27.63**	**.0045**	**275.5**	**.0051**
Stddev	.0014	.41	.0016	.0018	.0008	.13	.0002	.8	.0001
%RSD	896.5	.4464	1.507	1.384	1.050	.4692	4.183	.2863	2.440
#1	-.0008	91.65	.1063	.1306	.0774	27.72	.0043	276.1	.0050
#2	.0011	91.08	.1086	.1332	.0763	27.54	.0046	275.0	.0052

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.2952**	**1.876**	**4.706**	**543.5**	**9.517**	**43.92**	**6.257**	**.7509**	**3.989**
Stddev	.0003	.003	.003	2.2	.069	.40	.000	.0012	.252
%RSD	.1161	.1699	.0626	.4043	.7211	.9079	.0009	.1562	6.325
#1	.2954	1.879	4.704	545.1	9.566	44.20	6.257	.7517	4.167
#2	.2949	1.874	4.708	542.0	9.468	43.64	6.257	.7501	3.810

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**1.908**	**1.037**	**.0685**	**-.0197**	**.0030**	**.0030**	**4.595**	**.0564**	**1.090**
Stddev	.004	.004	.0021	.0238	.0020	.0032	.004	.0010	.001
%RSD	.1954	.3723	3.108	121.1	68.49	108.0	.0812	1.824	.0724
#1	1.910	1.040	.0700	-.0365	.0044	.0007	4.597	.0571	1.089
#2	1.905	1.034	.0670	-.0028	.0015	.0052	4.592	.0556	1.091

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.175**	**-.0008**	**.2921**	**.4949**	**1.271**	**.0694**
Stddev	.001	.0017	.0032	.0075	.001	.0011
%RSD	.1083	203.8	1.089	1.522	.0665	1.516
#1	1.174	-.0020	.2898	.5002	1.271	.0702
#2	1.176	.0004	.2943	.4896	1.270	.0687

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4290.1**	**87278.**	**9078.6**
Stddev	3.2	96.	112.3
%RSD	.07353	.10970	1.2366
#1	4287.9	87211.	8999.3
#2	4292.3	87346.	9158.0

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/19/2013 14:00:38 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2424**	**9.931**	**1.874**	**.0028**	**1.868**	**1.941**	**1.946**	**10.04**	**1.906**
Stddev	.0006	.082	.009	.0010	.005	.016	.009	.04	.003
%RSD	.2553	.8292	.5054	34.60	.2906	.8378	.4522	.4415	.1425
#1	.2429	9.989	1.867	.0021	1.865	1.953	1.952	10.07	1.904
#2	.2420	9.873	1.880	.0035	1.872	1.930	1.939	10.01	1.908

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**1.974**	**1.954**	**1.906**	**9.963**	**10.03**	**9.851**	**1.953**	**1.895**	**10.33**
Stddev	.002	.004	.003	.103	.09	.090	.001	.007	.05
%RSD	.1181	.2303	.1770	1.030	.8897	.9124	.0333	.3865	.5301
#1	1.972	1.951	1.908	10.04	10.09	9.914	1.952	1.889	10.36
#2	1.975	1.957	1.904	9.891	9.964	9.787	1.953	1.900	10.29

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**1.853**	**1.854**	**.0029**	**.0035**	**1.885**	**1.904**	**-.0791**	**1.902**	**2.052**
Stddev	.006	.003	.0017	.0027	.005	.004	.0002	.004	.018
%RSD	.3032	.1330	56.95	76.89	.2758	.1925	.3151	.1829	.8679
#1	1.849	1.853	.0041	.0016	1.881	1.901	-.0789	1.900	2.065
#2	1.857	1.856	.0017	.0054	1.889	1.906	-.0793	1.905	2.040

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.933**	**1.856**	**1.951**	**-.0159**	**1.905**	**.0000**
Stddev	.000	.006	.001	.0012	.001	.001
%RSD	.0233	.3152	.0644	7.842	.0284	6724.
#1	1.933	1.852	1.952	-.0150	1.905	.0005
#2	1.932	1.860	1.950	-.0168	1.905	-.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4268.8**	**86223.**	**8845.5**
Stddev	3.9	178.	49.3
%RSD	.09136	.20685	.55759
#1	4271.6	86097.	8810.6
#2	4266.1	86349.	8880.4

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/19/2013 14:05:22 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0007**	**-.0031**	**.0003**	**-.0012**	**-.0004**	**.0001**	**.0000**	**-.0027**	**-.0002**
Stddev	.0003	.0039	.0008	.0013	.0003	.0000	.000	.0006	.0000
%RSD	39.39	124.5	248.6	107.1	77.22	51.20	774.5	22.30	8.822
#1	-.0005	-.0004	.0009	-.0021	-.0002	.0000	-.0001	-.0023	-.0002
#2	-.0008	-.0059	-.0002	-.0003	-.0007	.0001	.0001	-.0031	-.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**-.0002**	**-.0007**	**.0034**	**.0443**	**.0272**	**.0000**	**.0010**	**.3277**
Stddev	.0001	.0003	.0000	.0034	.0117	.0097	.0000	.0009	.0138
%RSD	29.34	140.9	2.109	100.5	26.53	35.67	458.9	91.16	4.197
#1	-.0002	-.0004	-.0007	.0058	.0360	.0340	.0000	.0016	.3375
#2	-.0002	.0000	-.0008	.0010	.0526	.0203	.0000	.0003	.3180

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**-.0002**	**.0003**	**-.0004**	**.0016**	**.0000**	**.0000**	**-.0026**	**-.0003**	**.0000**
Stddev	.0001	.0008	.0000	.0035	.001	.0004	.0003	.0000	.0001
%RSD	32.59	293.4	5.201	212.4	2006.	877.1	12.84	13.24	488.5
#1	-.0002	.0008	-.0004	-.0008	-.0006	-.0002	-.0024	-.0002	.0000
#2	-.0001	-.0003	-.0005	.0041	.0005	.0003	-.0029	-.0003	.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0018**	**.0001**	**-.0114**	**-.0002**	**.0000**
Stddev	.0000	.0006	.0003	.0002	.0000	.000
%RSD	20.87	34.24	273.1	1.396	2.368	758.5
#1	.0001	.0022	.0004	-.0115	-.0002	.0001
#2	.0001	.0014	-.0001	-.0113	-.0002	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4251.5**	**85544.**	**8999.4**
Stddev	5.0	200.	21.3
%RSD	.11859	.23409	.23724
#1	4247.9	85686.	9014.4
#2	4255.1	85403.	8984.3

Zoom In Zoom Out

Sample Name: MC23522-7 Acquired: 8/19/2013 14:10:18 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0013**	**69.94**	**.0417**	**.0409**	**.0103**	**.2247**	**.0073**	**14.45**	**.0003**
Stddev	.0001	1.04	.0002	.0010	.0001	.0041	.0000	.21	.0001
%RSD	10.78	1.494	.5745	2.404	1.010	1.806	.6019	1.472	40.10
#1	-.0014	70.68	.0418	.0402	.0104	.2275	.0073	14.60	.0002
#2	-.0012	69.20	.0415	.0416	.0102	.2218	.0073	14.30	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0660**	**.1393**	**.2413**	**150.8**	**6.124**	**28.24**	**2.446**	**.0049**	**.6198**
Stddev	.0001	.0003	.0001	2.3	.071	.64	.010	.0000	.0156
%RSD	.1887	.1919	.0260	1.544	1.162	2.272	.3929	.7034	2.521
#1	.0659	.1391	.2412	152.5	6.174	28.69	2.439	.0050	.6308
#2	.0661	.1395	.2413	149.2	6.073	27.78	2.453	.0049	.6087

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.1570**	**1.068**	**.0252**	**-.0047**	**-.0003**	**-.0003**	**2.389**	**.0243**	**.1131**
Stddev	.0000	.002	.0012	.0034	.0001	.0005	.000	.0000	.0009
%RSD	.0305	.2081	4.868	73.22	47.67	172.3	.0010	.0217	.8256
#1	.1570	1.069	.0261	-.0071	-.0002	-.0007	2.389	.0243	.1138
#2	.1571	1.066	.0244	-.0022	-.0004	.0001	2.389	.0243	.1124

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**5.091**	**-.0012**	**.1219**	**-.0089**	**.7967**	**.0172**
Stddev	.009	.0013	.0006	.0016	.0007	.0005
%RSD	.1697	112.0	.5164	17.91	.0888	3.149
#1	5.085	-.0002	.1224	-.0078	.7972	.0169
#2	5.097	-.0021	.1215	-.0100	.7962	.0176

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4704.6**	**95292.**	**9982.9**
Stddev	7.0	556.	153.9
%RSD	.14965	.58358	1.5415
#1	4709.5	95685.	9874.1
#2	4699.6	94899.	10092.

Zoom In Zoom Out

Sample Name: MC23522-5 Acquired: 8/19/2013 14:15:05 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0066**	**82.36**	**.0533**	**.0536**	**.0124**	**.4200**	**.0029**	**16.10**	**-.0002**
Stddev	.0021	.54	.0087	.0032	.0001	.0062	.0010	.16	.0004
%RSD	31.34	.6568	16.29	5.983	.8701	1.485	33.39	.9665	166.7
#1	-.0051	81.98	.0471	.0559	.0125	.4156	.0036	15.99	-.0005
#2	-.0080	82.74	.0594	.0514	.0123	.4244	.0022	16.21	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0865**	**.1561**	**.3539**	**222.5**	**6.069**	**41.00**	**4.166**	**-.0117**	**2.855**
Stddev	.0003	.0002	.0006	.7	.041	.06	.007	.0012	.020
%RSD	.3324	.1534	.1779	.3195	.6802	.1436	.1638	10.37	.6898
#1	.0863	.1562	.3544	222.0	6.040	40.96	4.161	-.0109	2.869
#2	.0867	.1559	.3535	223.0	6.098	41.04	4.171	-.0126	2.841

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.1979**	**76.08**	**.0195**	**.0160**	**-.0008**	**.0023**	**2.099**	**.0137**	**.1491**
Stddev	.0003	.34	.0003	.0072	.0088	.0075	.015	.0016	.0011
%RSD	.1539	.4422	1.587	45.33	1074.	334.5	.6894	11.62	.7499
#1	.1977	75.85	.0197	.0109	.0054	-.0031	2.089	.0148	.1483
#2	.1982	76.32	.0193	.0211	-.0070	.0076	2.110	.0125	.1499

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**5.455**	**-.0061**	**.3650**	**-.1241**	**.5592**	**.0384**
Stddev	.001	.0019	.0049	.0012	.0023	.0018
%RSD	.0087	30.64	1.350	.9775	.4117	4.708
#1	5.455	-.0074	.3685	-.1233	.5575	.0397
#2	5.456	-.0047	.3615	-.1250	.5608	.0371

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4354.8**	**87077.**	**9073.9**
Stddev	12.1	67.	26.6
%RSD	.27886	.07712	.29264
#1	4363.4	87125.	9092.7
#2	4346.2	87030.	9055.1

Zoom In Zoom Out

Sample Name: MC23522-6 Acquired: 8/19/2013 14:19:58 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 100.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 100X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0420**	**37.75**	**.0078**	**.1325**	**.2398**	**.3117**	**.0011**	**55.12**	**-.0031**
Stddev	.0322	.97	.0509	.0325	.0032	.0233	.0014	.95	.0048
%RSD	76.57	2.560	653.6	24.53	1.352	7.479	130.5	1.727	156.4
#1	-.0647	37.07	-.0282	.1555	.2375	.2952	.0021	54.45	-.0065
#2	-.0193	38.43	.0438	.1095	.2421	.3282	.0001	55.80	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0282**	**.2100**	**3.606**	**390.9**	**5.358**	**249.2**	**2.166**	**-.2052**	**26.54**
Stddev	.0081	.0154	.016	6.7	.759	6.6	.004	.0089	.07
%RSD	28.73	7.336	.4338	1.721	14.17	2.648	.1948	4.338	.2603
#1	.0339	.2209	3.595	386.1	4.821	244.5	2.163	-.2115	26.49
#2	.0225	.1991	3.617	395.6	5.895	253.8	2.169	-.1989	26.58

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.1610**	**774.9**	**-.0482**	**-.3138**	**.1097**	**-.1072**	**1.092**	**.1206**	**.9111**
Stddev	.0010	.1	.0749	.0743	.0191	.1369	.062	.0117	.0201
%RSD	.6317	.0112	155.5	23.66	17.39	127.7	5.658	9.689	2.211
#1	.1617	774.8	.0048	-.3663	.0963	-.2041	1.049	.1123	.8968
#2	.1603	775.0	-.1011	-.2613	.1232	-.0104	1.136	.1289	.9253

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**2.496**	**-.0480**	**.3293**	**-1.571**	**2.249**	**.0276**
Stddev	.032	.0245	.0332	.089	.011	.0067
%RSD	1.288	51.05	10.07	5.662	.4931	24.46
#1	2.474	-.0307	.3058	-1.508	2.242	.0324
#2	2.519	-.0654	.3527	-1.634	2.257	.0228

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4244.7**	**86298.**	**9098.5**
Stddev	5.1	512.	249.5
%RSD	.12108	.59314	2.7426
#1	4248.3	86660.	9275.0
#2	4241.1	85936.	8922.1

Zoom In Zoom Out

Sample Name: CRIA Acquired: 8/19/2013 14:26:51 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0044**	**.2045**	**.0095**	**.0009**	**.0935**	**.0477**	**.0040**	**4.855**	**.0040**
Stddev	.0000	.0105	.0003	.0010	.0000	.0004	.0000	.018	.0000
%RSD	.8402	5.117	3.331	112.3	.0460	.7682	.5842	.3620	.0429
#1	.0043	.1971	.0093	.0016	.0935	.0480	.0040	4.843	.0040
#2	.0044	.2119	.0098	.0002	.0934	.0475	.0040	4.868	.0040

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0508**	**.0099**	**.0232**	**.1007**	**4.817**	**4.783**	**.0151**	**.0969**	**5.163**
Stddev	.0001	.0002	.0000	.0002	.016	.039	.0000	.0006	.037
%RSD	.2784	2.419	.0267	.1949	.3253	.8234	.2247	.5918	.7226
#1	.0507	.0101	.0232	.1005	4.828	4.811	.0151	.0965	5.136
#2	.0509	.0097	.0232	.1008	4.806	4.755	.0152	.0973	5.189

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0390**	**.0124**	**.0002**	**.0004**	**.0099**	**.0096**	**-.0760**	**.0973**	**.0102**
Stddev	.0001	.0025	.0002	.0007	.0005	.0010	.0010	.0003	.0000
%RSD	.2287	20.41	94.00	163.6	4.583	10.29	1.351	.3302	.2182
#1	.0389	.0106	.0001	-.0001	.0102	.0089	-.0768	.0976	.0102
#2	.0391	.0141	.0003	.0009	.0096	.0103	-.0753	.0971	.0102

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0505**	**.0100**	**.0102**	**-.0184**	**.0204**	**.0026**
Stddev	.0003	.0003	.0005	.0001	.0000	.0001
%RSD	.5148	3.091	4.538	.4047	.1482	4.275
#1	.0503	.0103	.0106	-.0185	.0204	.0025
#2	.0507	.0098	.0099	-.0184	.0204	.0026

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4228.6**	**86223.**	**9048.4**
Stddev	9.1	51.	.1
%RSD	.21588	.05910	.00117
#1	4235.0	86259.	9048.4
#2	4222.1	86187.	9048.5

Zoom In Zoom Out

Sample Name: CRIB Acquired: 8/19/2013 14:31:45 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0045**	**.1935**	**.0095**	**-.0004**	**.0941**	**.4925**	**.0040**	**4.882**	**.0040**
Stddev	.0003	.0115	.0001	.0001	.0002	.0008	.0000	.017	.0000
%RSD	7.179	5.962	.9232	30.91	.1811	.1692	.4357	.3498	.2589
#1	.0047	.2016	.0096	-.0005	.0940	.4931	.0040	4.870	.0040
#2	.0043	.1853	.0094	-.0003	.0943	.4919	.0040	4.894	.0039

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0510**	**.0101**	**.0238**	**.1074**	**4.847**	**4.780**	**.0154**	**.0973**	**5.211**
Stddev	.0002	.0003	.0002	.0007	.009	.010	.0001	.0000	.040
%RSD	.3039	2.626	.8840	.6242	.1910	.2174	.6262	.0134	.7753
#1	.0511	.0099	.0239	.1078	4.854	4.788	.0154	.0973	5.183
#2	.0509	.0103	.0236	.1069	4.840	4.773	.0155	.0973	5.240

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0393**	**.0108**	**.0007**	**.0029**	**.0058**	**.0246**	**-.0753**	**.0977**	**.0101**
Stddev	.0002	.0004	.0007	.0002	.0003	.0006	.0001	.0007	.0000
%RSD	.4089	3.754	88.39	7.151	4.645	2.594	.1380	.6817	.0395
#1	.0394	.0105	.0003	.0027	.0060	.0241	-.0753	.0972	.0101
#2	.0391	.0111	.0012	.0030	.0056	.0250	-.0754	.0981	.0101

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0506**	**.0049**	**.0104**	**-.0156**	**.1052**	**.0014**
Stddev	.0004	.0005	.0004	.0004	.0004	.0006
%RSD	.8476	10.38	4.100	2.860	.3802	41.62
#1	.0503	.0053	.0107	-.0153	.1055	.0010
#2	.0509	.0045	.0101	-.0159	.1049	.0018

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4229.5**	**84978.**	**9111.1**
Stddev	.5	124.	89.4
%RSD	.01265	.14561	.98166
#1	4229.9	85065.	9174.3
#2	4229.1	84890.	9047.8

Zoom In Zoom Out

Sample Name: ICSA Acquired: 8/19/2013 14:36:37 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**512.9**	**-.0010**	**.0444**	**-.0029**	**.0019**	**.0001**	**451.3**	**.0000**
Stddev	.0001	.0	.0006	.0004	.0001	.0001	.0000	2.7	.000
%RSD	32.70	.0050	56.63	.9814	4.348	4.381	30.89	.5999	864.0
#1	-.0003	512.9	-.0014	.0447	-.0028	.0020	.0001	453.2	-.0001
#2	-.0002	513.0	-.0006	.0441	-.0030	.0019	.0002	449.4	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0003**	**.0001**	**-.0005**	**180.5**	**.0269**	**490.7**	**.0012**	**-.0046**	**.2193**
Stddev	.0001	.0000	.0000	1.0	.0208	2.2	.0000	.0000	.0004
%RSD	46.01	32.66	3.432	.5625	77.30	.4566	2.055	.3585	.1971
#1	-.0002	.0001	-.0005	181.2	.0415	492.3	.0011	-.0047	.2196
#2	-.0003	.0001	-.0005	179.8	.0122	489.1	.0012	-.0046	.2189

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0019**	**.0004**	**-.0080**	**-.0041**	**-.0003**	**-.0040**	**-.0427**	**-.0013**	**.0015**
Stddev	.0000	.0008	.0008	.0074	.0012	.0032	.0014	.0001	.0000
%RSD	1.715	192.3	9.742	179.6	366.7	79.45	3.185	5.600	1.236
#1	.0020	.0009	-.0075	-.0094	.0005	-.0017	-.0417	-.0014	.0015
#2	.0019	-.0001	-.0086	.0011	-.0012	-.0062	-.0437	-.0013	.0015

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0080**	**-.0018**	**.0004**	**-.0407**	**-.0008**	**.0018**
Stddev	.0004	.0008	.0005	.0029	.0001	.0005
%RSD	4.537	43.72	135.4	7.070	9.120	26.13
#1	.0083	-.0024	.0000	-.0428	-.0007	.0015
#2	.0077	-.0013	.0007	-.0387	-.0008	.0021

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3943.6**	**80438.**	**8708.6**
Stddev	6.1	437.	54.8
%RSD	.15573	.54285	.62882
#1	3947.9	80746.	8669.9
#2	3939.2	80129.	8747.3

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 8/19/2013 14:41:32 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**1.004**	**514.5**	**1.893**	**.5125**	**.9128**	**.4982**	**.4566**	**447.7**	**.9590**
Stddev	.001	.2	.002	.0001	.0017	.0018	.0018	5.6	.0018
%RSD	.0870	.0373	.0939	.0155	.1859	.3703	.3955	1.253	.1825
#1	1.004	514.3	1.894	.5126	.9116	.4995	.4578	451.7	.9603
#2	1.005	514.6	1.892	.5125	.9140	.4969	.4553	443.8	.9578

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4374**	**.4660**	**.4881**	**182.3**	**.0180**	**494.3**	**.4611**	**.8909**	**.2273**
Stddev	.0005	.0002	.0004	1.3	.0179	2.4	.0006	.0025	.0146
%RSD	.1113	.0328	.0786	.7164	99.12	.4853	.1335	.2852	6.432
#1	.4371	.4659	.4879	183.2	.0307	496.0	.4607	.8891	.2170
#2	.4378	.4661	.4884	181.3	.0054	492.6	.4615	.8927	.2377

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.8018**	**.8276**	**.5020**	**.4749**	**1.916**	**1.893**	**1.970**	**.8930**	**1.016**
Stddev	.0019	.0007	.0036	.0014	.002	.004	.001	.0022	.006
%RSD	.2332	.0799	.7174	.3046	.1262	.1919	.0714	.2513	.6216
#1	.8005	.8281	.5045	.4759	1.914	1.890	1.969	.8914	1.021
#2	.8032	.8271	.4994	.4739	1.918	1.896	1.971	.8946	1.012

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4839**	**1.677**	**.4841**	**1.782**	**.8451**	**.3912**
Stddev	.0001	.003	.0003	.004	.0009	.0025
%RSD	.0170	.1803	.0654	.2023	.1088	.6330
#1	.4839	1.675	.4843	1.779	.8444	.3894
#2	.4840	1.679	.4839	1.784	.8457	.3929

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3941.9**	**80740.**	**8696.3**
Stddev	2.5	258.	61.4
%RSD	.06233	.31929	.70644
#1	3943.6	80922.	8652.9
#2	3940.2	80558.	8739.8

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/19/2013 14:46:19 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2421**	**10.06**	**1.885**	**.0039**	**1.884**	**1.933**	**1.931**	**10.11**	**1.912**
Stddev	.0019	.08	.005	.0001	.002	.014	.013	.09	.000
%RSD	.7961	.8040	.2565	3.711	.1109	.6999	.6907	.9160	.0204
#1	.2408	10.01	1.888	.0040	1.885	1.923	1.921	10.04	1.912
#2	.2435	10.12	1.882	.0038	1.882	1.942	1.940	10.17	1.912

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**1.979**	**1.943**	**1.899**	**9.870**	**9.922**	**9.949**	**1.956**	**1.900**	**10.19**
Stddev	.002	.002	.015	.141	.198	.087	.013	.004	.00
%RSD	.0811	.1022	.7970	1.426	2.000	.8750	.6796	.1826	.0319
#1	1.980	1.942	1.888	9.770	9.782	9.888	1.946	1.898	10.19
#2	1.978	1.945	1.910	9.969	10.06	10.01	1.965	1.903	10.19

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**1.862**	**1.861**	**.0018**	**.0031**	**1.896**	**1.918**	**-.0775**	**1.907**	**2.025**
Stddev	.004	.002	.0003	.0015	.004	.001	.0006	.002	.015
%RSD	.2300	.0945	18.95	48.68	.2244	.0477	.8087	.0849	.7582
#1	1.865	1.862	.0021	.0042	1.899	1.919	-.0780	1.908	2.014
#2	1.859	1.860	.0016	.0021	1.893	1.918	-.0771	1.906	2.036

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.933**	**1.867**	**1.952**	**-.0045**	**1.902**	**.0616**
Stddev	.005	.002	.002	.0001	.001	.0120
%RSD	.2429	.1233	.0926	2.379	.0430	19.40
#1	1.930	1.869	1.950	-.0044	1.903	.0701
#2	1.937	1.865	1.953	-.0046	1.901	.0532

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4240.2**	**86019.**	**8936.9**
Stddev	3.0	634.	113.8
%RSD	.07119	.73727	1.2731
#1	4238.1	86467.	9017.4
#2	4242.3	85570.	8856.5

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/19/2013 14:51:03 Type: Unk
Method: Accutest -SS1(v25) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.0010**	**.0005**	**.0004**	**.0004**	**.0002**	**.0001**	**.0001**	**.0001**
Stddev	.0001	.0031	.0003	.0003	.0000	.0001	.0000	.0027	.0003
%RSD	77.93	312.6	55.94	86.91	1.239	42.31	7.790	4747.	523.1
#1	-.0002	.0031	.0003	.0001	.0004	.0003	.0001	.0020	-.0002
#2	-.0001	-.0012	.0006	.0006	.0004	.0001	.0001	-.0019	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0001**	**-.0006**	**.0025**	**-.0020**	**.0566**	**.0001**	**.0015**	**.1756**
Stddev	.000	.0000	.0002	.0024	.0308	.0121	.0000	.0007	.0012
%RSD	2354.	14.14	26.46	96.49	1509.	21.41	18.17	47.00	.6763
#1	-.0003	.0001	-.0008	.0041	.0198	.0480	.0001	.0020	.1748
#2	.0003	.0001	-.0005	.0008	-.0238	.0652	.0001	.0010	.1765

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	**.0003**	**.0009**	**-.0007**	**.0026**	**.0005**	**.0000**	**-.0012**	**.0000**	**.0000**
Stddev	.0001	.0005	.0015	.0019	.0006	.0000	.0003	.0006	.0000
%RSD	56.91	54.12	217.7	72.27	111.9	170.2	21.47	1578.	97.18
#1	.0002	.0006	-.0018	.0039	.0001	.0001	-.0014	-.0004	.0001
#2	.0004	.0012	.0004	.0013	.0009	.0000	-.0010	.0005	.0000

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0005**	F **.0020**	**-.0001**	**-.0079**	**.0001**	**-.0001**
Stddev	.0002	.0003	.0002	.0016	.0002	.0001
%RSD	30.91	14.79	268.3	19.88	330.7	90.91
#1	.0004	.0022	-.0003	-.0090	-.0001	-.0002
#2	.0006	.0018	.0001	-.0068	.0002	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4203.2**	**85624.**	**8781.6**
Stddev	4.5	363.	54.4
%RSD	.10724	.42342	.61969
#1	4206.4	85880.	8743.1
#2	4200.0	85367.	8820.1

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	-0.000004	0.000000	No
			Co	0.000007	0.000000	No
			Mn	0.000105	0.000000	No
			Mo	-0.000103	0.000000	No
			Cu	0.000004	0.000000	No
			Ti	-0.000053	0.000000	No
			Al	-0.000001	0.000000	No
			Zr	0.005523	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.000619	0.000000	No
			Mo	0.046442	0.000000	No
			Ca	-0.000237	0.000000	No
As 189.042 {479}	☒	9	V	0.000020	0.000000	No
			Al	0.000006	0.000000	No
			Mo	0.000191	0.000000	No
			Fe	-0.000003	0.000000	No
			Mn	-0.000018	0.000000	No
			Ca	0.000004	0.000000	No
			Mg	0.000001	0.000000	No
			Cr	0.000221	0.000000	No
			Na	-0.000002	0.000000	No
Au 242.795 {139}	☒	3	Fe	-0.000004	0.000000	No
			Mn	0.011376	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.055156	0.000000	No
Ba 455.403 { 74}	☒	1	Al	-0.000000	0.000000	No
Be 313.042 {108}	☒	3	V	0.000344	0.000000	No
			Mo	-0.000020	0.000000	No
			Ti	-0.000249	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	4	Ni	-0.000027	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000025	0.000000	No
			Ca	0.000001	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000019	0.000000	No
			Mo	-0.000031	0.000000	No
			Ti	0.001842	0.000000	No
			Ca	0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000004	0.000000	No
			Mn	0.000148	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000072	0.000000	No
			V	-0.000166	0.000000	No
			Mo	0.000490	0.000000	No
			Co	-0.000699	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000600	0.000000	No
			Co	-0.000015	0.000000	No
			Cr	0.000162	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000003	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000578	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No
			Al	0.000671	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ni 231.604 {446}	☒	3	Mo	-0.000207	0.000000	No
			Fe	-0.000005	0.000000	No
			Ca	0.000002	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000079	0.000000	No
			Mn	0.000133	0.000000	No
			Mo	-0.001265	0.000000	No
			Co	0.000058	0.000000	No
			Cu	0.000045	0.000000	No
			Ca	0.000000	0.000000	No
			Fe	0.000039	0.000000	No
			Mg	-0.000000	0.000000	No
			Ni	0.000266	0.000000	No
			Si	0.000078	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000342	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.006177	0.000000	No
			Ni	0.000902	0.000000	No
			Mn	-0.008486	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
Sb 206.833 {463}	☒	11	Al	0.000007	0.000000	No
			Fe	0.000035	0.000000	No
			Cr	0.007047	0.000000	No
			Mo	-0.001258	0.000000	No
			Mg	-0.000000	0.000000	No
			Ni	-0.000236	0.000000	No
			V	-0.001830	0.000000	No
			Ca	-0.000002	0.000000	No
			Ti	-0.000068	0.000000	No
			Cu	0.000015	0.000000	No
			Sn	-0.009353	0.000000	No
Se 196.090 {472}	☒	7	Al	0.000003	0.000000	No
			Fe	-0.000290	0.000000	No
			Mn	0.000585	0.000000	No
			Mo	0.000020	0.000000	No
			Ca	-0.000002	0.000000	No
			Na	-0.000001	0.000000	No
			Co	-0.000813	0.000000	No
Si 212.412 {459}	☒	3	V	0.030413	0.000000	No
			Ti	0.006483	0.000000	No
			Mo	0.043276	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.001299	0.000000	No
			Cr	0.000265	0.000000	No
			V	-0.017720	0.000000	No
			Co	0.004892	0.000000	No
			Al	-0.000001	0.000000	No
			Fe	0.000010	0.000000	No
			Ti	-0.000986	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Mo	-0.000006	0.000000	No
				Ca	-0.000004	0.000000	No
				Na	-0.000004	0.000000	No
	V 292.402 {115}	☒	3	Ti	0.000624	0.000000	No
				Mo	-0.003905	0.000000	No
				Fe	0.000019	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000141	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000003	0.000000	No
				Mn	0.000018	0.000000	No
				Ni	0.000039	0.000000	No
				Cr	-0.000497	0.000000	No
				Mo	0.000207	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000006	0.000000	No
				Na	0.000004	0.000000	No
	Zr 339.198 { 99}	☒	5	Si	0.005567	0.000000	No
				Ti	0.000761	0.000000	No
				Fe	0.000014	0.000000	No
				Sn	0.002851	0.000000	No
				V	0.002032	0.000000	No

Prep QC: MP21505

ACCUTEST

Date:	08/15/13
Time	10:15

Name:	DORINAA1
MP Batch ID:	MP21505
QC Sample ID:	MC23527-1

Reagent Lot #	
1:1 HNO3	RGT-36995-METALS
1:1 HCL	RGT-36993-METALS
Conc HNO3	VENDOR-13668
H2O2	VENDOR-13654
LCS	VENDOR-13656
Filter Paper Lot #	11104171
Digetion Tube Lot #	MM01LKK0/MH21KK06

Aqueous EPA 200.7/ 200.8	○
Aqueous SW846 3010A	○
Soil- SW846 3050B	◉

ML Used	Spike Lot#
1	RGT-36830-METALS
1	RGT-36908-METALS
1	RGT-36999-METALS
1	RGT-37000-METALS
Spike ID	MPICP

Dig Block ID:	5	Therm ID	QA010	Temp. C	94	Factor	-1.5	Corrected Temp C	92.5
Dig Block ID:	3	Therm ID	GN015	Temp. C	93	Factor	-2	Corrected Temp C	91
Balance ID:	ACC-3	Repipetor ID	3						

Note: (A)Serial dilution shown for QC purposes only (not a seperate digestion). (B) For DW samples <1NTU, measure pH prior to analysis.

Bot#	Sample #	Initial G	Final (ML)			1:1 HNO3 (ML)	Conc. HNO3 (ML)	1:1 HCL (ML)	H2O2 (ML)	Comment
	MP21505-LC1	1	100			10	5	10	3	
	MP21505-MB1	1	100			10	5	10	3	
	MP21505-B1	1	100			10	5	10	3	
1	MP21505-S1	1.09	100			10	5	10	3	
1	MP21505-SD1	1.1	100			10	5	10	3	
	MP21505-B2	1	100			10	5	10	3	
1	MP21505-S2	1.09	100			10	5	10	3	
1	MC23456-4	1.26	100			10	5	10	3	
1	MC23456-5	1.17	100			10	5	10	3	
2	MC23495-1	1.32	100			10	5	10	3	
1	MC23501-1	1.06	100			10	5	10	3	
1	MC23501-2	1.09	100			10	5	10	3	
1	MC23522-1	1.23	100			10	5	10	3	
1	MC23522-2	1.24	100			10	5	10	3	
1	MC23522-3	1.26	100			10	5	10	3	
1	MC23522-4	1.24	100			10	5	10	3	
1	MC23522-5	1.27	100			10	5	10	3	
1	MC23522-6	1.33	100			10	5	10	3	
1	MC23522-7	1.27	100			10	5	10	3	
1	MC23527-1	1.1	100			10	5	10	3	
1	MC23527-2	1.09	100			10	5	10	3	
1	MC23527-3	1.1	100			10	5	10	3	
1	MC23529-1	1.23	100			10	5	10	3	
1	MC23529-2	1.19	100			10	5	10	3	
1	MC23529-3	1.27	100			10	5	10	3	
1	MC23529-4	1.26	100			10	5	10	3	
1	MC23529-5	1.26	100			10	5	10	3	

Protected Worksheet MMP003-02 QC Review EAL Date: 08/19/13

(Format edits must be done by dept. Manager)

11.4.1 11

HG SO: SW846 7471B

AQ ○ SO ◉ **Analysis: Hg**

Protected Worksheet
Format edits must be done by Dept. Manager

MP#	MP21506	Date	8/15/13	Balance ID	ACC-3	Pipet ID	N/A	Prep Analyst	EM				
Dig Block ID	5	Therm ID	QA010	Temp	95	Factor	-1.5	Corr. Temp. Deg C	93.5	Start Time	9:20	End Time	9:50
Dig Block ID	3	Therm ID	GN015	Temp	96	Factor	-2	Corr. Temp. Deg C	94	Start Time	11:00	End Time	11:30
MA#	MA15987	Date	8/16/13	Run File	H1081613S1.PRN			Calib File	1081613S			Analyst	EM

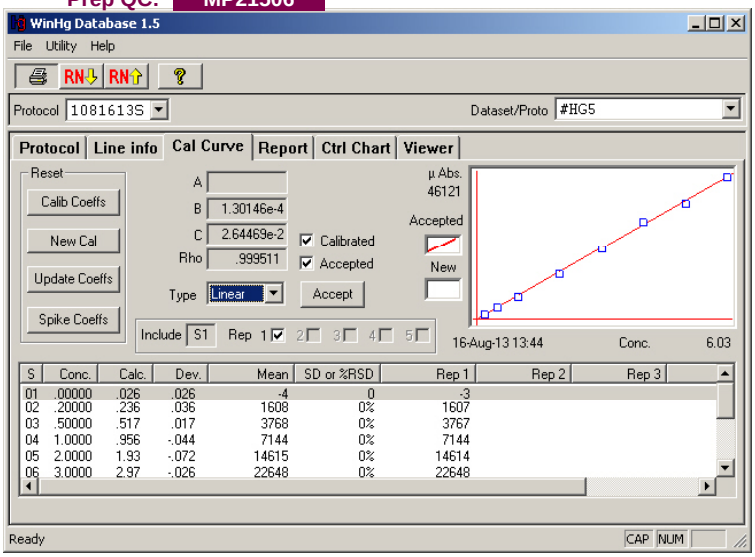
Bot#	Sample ID	Init G	Fin ML	Block ID	Comments	Bot#	Sample ID	Init G	Fin ML	Block ID	Comments
	RB		100	5		1	MC23456-4	0.65	100	3	
	STD#1		100	5	2 ml of METSTD 30902 Hg- 2	1	MC23456-5	0.63	100	3	
	STD#2		100	5	5 ml of METSTD 30902 Hg- 2	2	MC23495-1	0.76	100	3	
	STD#3		100	5	1 ml of METSTD 30902 Hg- 1	1	MC23527-1	0.63	100	3	
	STD#4		100	5	2 ml of METSTD 30902 Hg- 1	1	MC23527-2	0.62	100	3	
	STD#5		100	5	3 ml of METSTD 30902 Hg- 1	1	MC23527-3	0.65	100	3	
	STD#6		100	5	4 ml of METSTD 30902 Hg- 1	1	MC23529-1	0.67	100	3	
	STD#7		100	5	5 ml of METSTD 30902 Hg- 1	1	MC23529-2	0.75	100	3	
	STD#8		100	5	6 ml of METSTD 30902 Hg- 1	1	MC23529-3	0.65	100	3	
	ICV		100	5	4 ml of METSTD 30903 Hg- 1	1	MC23529-4	0.65	100	3	
	CCV		100	5	3 ml of METSTD 30902 Hg- 1	1	MC23529-5	0.68	100	3	
	CRI		100	5	2 ml of METSTD 30902 Hg- 2		MP21506-LC1	0.6	100	3	VENDOR-13656
	ICB		100	5							
	CCB		100	5							
*	MB	0.6	100	5							
*	SB	0.6	100	5	3 ml of METSTD 30902 Hg- 1						
*	SBD	0.6	100	5	3 ml of METSTD 30902 Hg- 1						
2	MS MC23416-2	0.65	100	3	3 ml of METSTD 30902 Hg- 1						
2	MSD MC23416-2	0.65	100	3	3 ml of METSTD 30902 Hg- 1						
2	MC23416-2	0.64	100	3							
2	MC23416-3	0.65	100	3							
1	MC23451-1	0.66	100	3							

Reagent Lot#

Pot. Permanganate	RGT-	36842	_HG	Stannous Chloride	RGT-	37049	_HG	Conc. HNO3	Vendor- ***N/A***
Aqua Regia	RGT-	37032	_HG	Stannous Sulfate	RGT-	****N/A****	_HG	Conc. H2SO4	Vendor- ***N/A***
Hydroxylamine.SO4	RGT-	36980	_HG	Instrument ID:	HG-1			Dig.Tubes	MM01LKK0

Comment: * SAND USED : VENDOR-12599

QC Review: PuiY **Date:** 8/19/13 **MMA015-02**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File Utility Help
RN RN
Protocol 1081613S
Dataset/Proto #HG5
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 1.30146e-4
C 2.64469e-2
Rho .999511
Type Linear
Calibrated
Accepted
Accept
µ Abs.
46121
Accepted
New
Include S1 Rep 1 2 3 4 5
16-Aug-13 13:44
Conc. 6.03
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 .026 .026 -4 0 -3
02 .20000 .236 .036 1608 0% 1607
03 .50000 .517 .017 3768 0% 3767
04 1.0000 .956 -.044 7144 0% 7144
05 2.0000 1.93 -.072 14615 0% 14614
06 3.0000 2.97 -.026 22648 0% 22648
Ready
CAP NUM

New England ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP16500/GN44056	0.12	0.0	mg/kg	1.2	1.27	105.8	90-110%
Cyanide	GP16500/GN44056			mg/kg	2.4	2.52	105.0	90-110%
Cyanide	GP16500/GN44056			mg/kg	60.7	59.0	97.2	16-110%

Associated Samples:
Batch GP16500: MC23456-4, MC23456-5
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP16500/GN44056	MC23456-4	mg/kg	4.8	4.5	6.5	0-20%
Solids, Percent	GN43957	MC23449-1	%	83.7	83	0.8	0-20%

Associated Samples:
Batch GN43957: MC23456-1, MC23456-2, MC23456-3, MC23456-4, MC23456-5
Batch GP16500: MC23456-4, MC23456-5
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP16500/GN44056	MC23456-4	mg/kg	4.8	1.49	6.5	113.8	75-125%

Associated Samples:
Batch GP16500: MC23456-4, MC23456-5
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: 082113S1.CN Date Analyzed: 08/21/13 Methods: SW846 9012 M
Analyst: MA Run ID: GN44056
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:11	GN44056-STD1	1		STDA0.50
11:12	GN44056-STD2	1		STDC0.30
11:13	GN44056-STD3	1		STDD0.20
11:14	GN44056-STD4	1		STDE0.10
11:15	GN44056-STD5	1		STDG0.030
11:16	GN44056-STD6	1		STDH0.010
11:17	GN44056-STD7	1		STDI0.00
11:20	GN44056-ICV1	1		
11:21	GN44056-ICB1	1		
11:22	GN44056-CCV1	1		
11:23	GN44056-CCB1	1		
11:24	GP16500-MB1	1		
11:25	GP16500-B1	1		
11:26	GP16500-B2	1		
11:27	GP16500-LC1	20		
11:28	GP16500-S1	1		
11:30	GP16500-D1	1		
11:31	MC23456-4	1		
11:32	MC23456-5	1		
11:33	GN44056-CCV2	1		
11:34	GN44056-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: MC23456
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: 082113S1.CN Date Analyzed: 08/21/13 Methods: SW846 9012 M
Run ID: GN44056 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN44056-ICV1	Cyanide	0.20	0.010	0.0021	.2	100.0	90-110
GN44056-ICB1	Cyanide	-0.0076	0.010	0.0021			
GN44056-CCV1	Cyanide	0.31	0.010	0.0021	.3	103.3	90-110
GN44056-CCB1	Cyanide	-0.0074	0.010	0.0021			
GN44056-CCV2	Cyanide	0.31	0.010	0.0021	.3	103.3	90-110
GN44056-CCB2	Cyanide	-0.0077	0.010	0.0021			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: MC23456
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MC23456-1 **Analyzed:** 13-AUG-13 by HS **Method:** SM21 2540 B MOD.
ClientID: LBA-TP-03

Wet Weight (Total)	31.848	g
Tare Weight	18.402	g
Dry Weight (Total)	30.797	g
Solids, Percent	92.2	%

Sample: MC23456-2 **Analyzed:** 13-AUG-13 by HS **Method:** SM21 2540 B MOD.
ClientID: LBA-TP-10A

Wet Weight (Total)	33.464	g
Tare Weight	27.023	g
Dry Weight (Total)	32.368	g
Solids, Percent	83	%

Sample: MC23456-3 **Analyzed:** 13-AUG-13 by HS **Method:** SM21 2540 B MOD.
ClientID: LBA-TP-16B

Wet Weight (Total)	34.811	g
Tare Weight	22.017	g
Dry Weight (Total)	32.992	g
Solids, Percent	85.8	%

Sample: MC23456-4 **Analyzed:** 13-AUG-13 by HS **Method:** SM21 2540 B MOD.
ClientID: LBA-TP-16A

Wet Weight (Total)	32.24	g
Tare Weight	22.132	g
Dry Weight (Total)	30.167	g
Solids, Percent	79.5	%

Sample: MC23456-5 **Analyzed:** 13-AUG-13 by HS **Method:** SM21 2540 B MOD.
ClientID: LBA-TP-8

Wet Weight (Total)	28.407	g
Tare Weight	18.892	g
Dry Weight (Total)	27.088	g
Solids, Percent	86.1	%

New England ACCUTEST LABORATORIES

General Chemistry

Raw Data

ACCUTEST

Protected Worksheet MGN117-02
(Format edits must be done by Dept. manager)

Analyst	MEHDIA	**Test/Analysis**	CN SW846 9012
Date	8/21/13	**Analysis Batch ID**	GN44056
Instrument ID	LACHAT	**Prep Batch ID**	GP16500
File ID	082113S1.CN		

Reagents

Calib STD	GNSTD-	30967-CN	**Buffer**	RGT-	37057-CN
ICV	GNSTD-	30965-CN-2	**Carrier**	RGT-	36280-CN
CCV	GNSTD-	30967-CN-4	**Chloramine-T**	RGT-	37080-CN
			Pyridine Barb. Acid	RGT-	36849-CN

Standardization

Reagent/Stock Std:	NA ◉	Cyanide ○	
-	-	-	-
-			

Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH

COMMENTS

Cyanide stock standardization was performed on 08/16/13 (GN43997).

QC Review **Date:** 8/21/13

ACCUTEST

Distillation

Protected Worksheet MGN127-01

(Format edits must be done by Dept. manager)

Analyst:	MEHDIA	Date	8/21/13	Batch ID	GP16500	Matrix	Solids
QC Sample	MC23456-4	Balance ID	ACC-4	pH Meter ID	N/A	Block ID	MICRO

Analysis Type

CN EPA 335.4 ○	CN SW846 9010B ◉	CN-A SM21 4500CN-G/335.4 ○	CN-A SW846 9010 ○
PAC MADEP ○	CREAC Chap 7 ○	SREAC Chap7 ○	CNWAD SM20 4500CN-I ○

Sample ID	Bot #	ID	Interfere Chk CL	Interfere Chk S	Init. pH	SMPL Amt G	DIST Vol ML	Start Time	End Time	Comments/Spike
GP16500-LC1		N/A	ND	ND	>12	0.5	6	8:33	9:03	VENDOR-13516
GP16500-MB1	*	N/A	ND	ND	>12	0.5	6	8:33	9:03	
GP16500-B1	*	N/A	ND	ND	>12	0.5	6	8:33	9:03	0.10 ML OF SPIKE
GP16500-S1	1	N/A	ND	ND	>12	0.505	6	8:33	9:03	0.10 ML OF SPIKE
GP16500-D1	1	N/A	ND	ND	>12	0.53	6	8:33	9:03	
GP16500-B2	*	N/A	ND	ND	>12	0.5	6	8:33	9:03	0.20 ML OF SPIKE
MC23456-4	1	N/A	ND	ND	>12	0.538	6	8:33	9:03	
MC23456-5	1	N/A	ND	ND	>12	0.502	6	8:33	9:03	
ICV		N/A	ND	ND	>12	6 ML	6	8:33	9:03	0.20 ML OF ICV SPIKE

MA 8-21-13

Reagent Lot # (Refer to Indivdual SOP for amounts added)

Sulfamic Acid	VENDOR-5746	Spike Solution	GNSTD-30964-CN-2
Conc. H2SO4	VENDOR-13928	ICV Stock Solution	GNSTD-30965-CN-2
NaOH	RGT-36753-CN	0.25N NAOH	RGT-36280-CN
MgCl2.6H2O	RGT-35456-CN	N/A	
Bismuth Nitrate	N/A	N/A	

Comment: * USED SAND VENDOR-12599.

QC Review _____ Date 8/21/13

13.1 13

Author: chemistry

Date : 8/21/2013

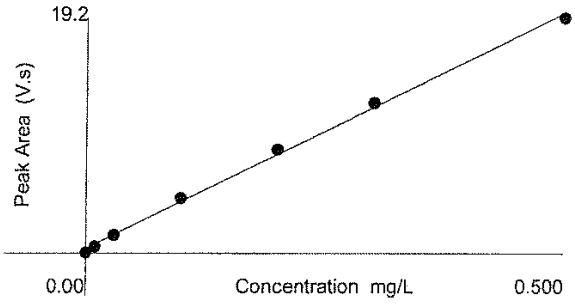
Original Run Filename: OM_8-21-2013_11-10-22AM.OMN Created: 8/21/2013 11:10:22 AM
Original Run Author's Signature: [chemistry]
Current Run Filename: OM_8-21-2013_11-10-22AM.OMN Last Modified: 8/21/2013 11:36:09 AM
Current Run Author's Signature: [chemistry]
Description: Default New Run

Sample	Rep.	Channel 1 Cn (mg/L)	MDF
StdA0.50	1	0.500	
StdC0.30	1	0.300	
StdD0.20	1	0.200	
StdE0.10	1	0.100	
StdG0.030	1	0.0300	
StdH0.010	1	0.0100	
Std0.00	1	0.00	
ICV	1	0.203	
Calibration:		Table/Fig. : 1	
ICB	1	-7.62e-3	
CCV	1	0.310	
CCB	1	-7.43e-3	
GP16500-MB1	1	-4.39e-3	
GP16500-B1	1	0.106	
GP16500-B2	1	0.210	
GP16500-LC1	1	0.246	20.00
GP16500-S1	1	0.435	
GP16500-D1	1	0.318	
MC23456-4	1	0.344	
MC23456-5	1	-3.96e-3	
CCV	1	0.308	
CCB	1	-7.65e-3	

Table : 1 (Cn)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	19.2	1.04	0.0	2.1	0.489	8/21/2013	11:11:17 AM
2	0.300	1	12.2	0.670	0.0	-2.9	0.309	8/21/2013	11:12:22 AM
3	0.200	1	8.44	0.464	0.0	-4.8	0.210	8/21/2013	11:13:26 AM
4	0.100	1	4.46	0.247	0.0	-6.0	0.107	8/21/2013	11:14:31 AM
5	0.0300	1	1.47	0.0811	0.0	3.3	0.0290	8/21/2013	11:15:35 AM
6	0.0100	1	0.542	0.0288	0.0	27.9	4.87e-3	8/21/2013	11:16:40 AM
7	0.00	1	0.0477	2.51e-3			-7.97e-3	8/21/2013	11:17:44 AM

Figure : 1 (Cn)



Area = 38.4 * Conc + 0.368
Conc = 0.0260 * Area - 9.21e-3
Correlation Coefficient (r) = 0.99893

Weighting : None

8/21/13

New England ACCUTEST LABORATORIES

09/03/13

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC23593

Sampling Dates: 08/12/13 - 08/13/13

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **485**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) ISO 17025:2005 (L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC23593

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC23593-1	08/12/13	13:15	PZ	08/16/13	SO	Soil	MW-01-1'
MC23593-2	08/13/13	08:01	PZ	08/16/13	SO	Soil	MW-02-6'-7.5'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environmental & Energy **Job No** MC23593

Site: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, **Report Date** 8/30/2013 1:35:40 PM

2 Sample(s) ere collected on between 08/12/2013 and 08/13/2013 and were received at Accutest on 08/16/2013 properly preserved, at 0.9 Deg. C and intact. These Samples received an Accutest job number of MC23593. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix SO **Batch ID:** MSG5093

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23582-1MS, MC23582-1MSD were used as the QC samples indicated.
- MSG5093-BS Recovery(s) for 2-Hexanone, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane are outside control limits. Blank Spike meets program technical requirements.
- MSG5093-BSD Recovery(s) for 2-Butanone (MEK) are outside control limits. Blank Spike meets program technical requirements.
- Matrix Spike Recovery(s) for Acetone are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for Acetone, Vinyl chloride are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- MC23593-1: Elevated RL due to sample matrix.
- RPD of MSG5093-BSD for Acetone, Methyl Acetate, 1,1,2-Trichloroethane, Vinyl chloride: Outside control limits. Individual spike recoveries within acceptance limits.
- RPD of MSG5093-BSD for Chloromethane, Dichlorodifluoromethane: Outside control limits. Blank Spike meets program technical requirements.
- Calibration stdanard MSG5093-ICV5092, MSG5093-CC5092 for Methyl Acetate exceeded 30% Difference.
- Calibration stdanard MSG5093-ICV5092, MSG5093-CC5092 for dichlorodifluoromethane, chloromethane, bromomethane, chloroethane, 2-hexanone exceeded 30% Difference (response biased high). Associated samples are non-detect for these compounds.

Matrix SO **Batch ID:** MSP2331

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC23502-28MS, MC23502-28MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- MSP2331-BS Recovery(s) for Dichlorodifluoromethane, Freon 113, Tetrachloroethene are outside control limits. Blank Spike meets program technical requirements.
- MSP2331-BS/BSD Recovery(s) for 1,1,1-Trichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, Bromodichloromethane, Bromoform, Bromomethane, Carbon tetrachloride, Chloroform, Dibromochloromethane, Trichlorofluoromethane are outside control limits. Associated samples are non-detect for this compound.
- Matrix Spike Recovery(s) for 1,2,4-Trichlorobenzene, Acetone, Carbon tetrachloride, Cyclohexane, Styrene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for 1,1,1-Trichloroethane, 1,1-Dichloroethene, 1,2-Dibromo-3-chloropropane, 1,2-Dichloroethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chloroform, Dibromochloromethane, Dichlorodifluoromethane, Freon 113, Methyl Tert Butyl Ether, Trichlorofluoromethane, 2-Hexanone, 4-Methyl-2-pentanone (MIBK), Bromomethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- RPD(s) for MSD for 1,2,4-Trichlorobenzene, 2-Hexanone, 4-Methyl-2-pentanone (MIBK), Bromomethane are outside control limits for sample MC23502-28MSD. High RPD due to possible matrix interference and/or sample non-homogeneity.

Volatiles by GCMS By Method SW846 8260B

Matrix SO **Batch ID:** MSP2331

- MSP2331-BSD for Dichlorodifluoromethane, Chloromethane, Tetrachloroethene : Outside control limits. Blank Spike meets program technical requirements.
- Calibration stdanard MSP2331-CC2318 for trichlorofluoromethane, 1,1,1-trichloroethane, carbon tetrachloride, 1,2-dichloroethane, bromodichloromethane exceeded 30% Difference (response biased high). Associated samples are non-detect for these compounds.

Extractables by GCMS By Method SW846 8270C

Matrix SO **Batch ID:** OP34472

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) MC23630-1MS, MC23630-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- MC23593-2 has compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank.
- OP34472-BS/BSD Recovery(s) for Benzaldehyde, Hexachlorocyclopentadiene are outside control limits. Blank Spike meets program technical requirements.
- OP34472-MS/MSD Recovery(s) for 2,4-Dinitrophenol, 3,3'-Dichlorobenzidine, Benzaldehyde, Hexachlorocyclopentadiene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.

Metals By Method SW846 6010C

Matrix SO **Batch ID:** MP21521

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23518-1MS, MC23518-1MSD, MC23518-1SDL were used as the QC samples for metals.

Metals By Method SW846 7471B

Matrix SO **Batch ID:** MP21523

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23518-1MS, MC23518-1MSD were used as the QC samples for metals.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix SO **Batch ID:** GN44022

- Sample(s) MC23569-5DUP were used as the QC samples for Solids, Percent.

Wet Chemistry By Method SW846 9012 M

Matrix SO **Batch ID:** GP16483

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23593-2DUP, MC23593-2MS were used as the QC samples for Cyanide.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC23593).

Summary of Hits

Job Number: MC23593
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Collected: 08/12/13 thru 08/13/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC23593-1	**MW-01-1'**					
Anthracene		97.6 J	510	62	ug/kg	SW846 8270C
2-Methylnaphthalene		173 J	510	65	ug/kg	SW846 8270C
Naphthalene		289 J	510	82	ug/kg	SW846 8270C
Phenanthrene		989	510	69	ug/kg	SW846 8270C
Total TIC, Semi-Volatile		72800 J			ug/kg	
Arsenic		6.4	0.86	0.18	mg/kg	SW846 6010C
Barium		34.2	4.3	0.062	mg/kg	SW846 6010C
Cadmium		0.15 B	0.34	0.036	mg/kg	SW846 6010C
Chromium		22.0	0.86	0.081	mg/kg	SW846 6010C
Lead		10.5	0.86	0.14	mg/kg	SW846 6010C
Mercury		0.032 B	0.034	0.0098	mg/kg	SW846 7471B
Silver		0.40 B	0.43	0.11	mg/kg	SW846 6010C
Cyanide		0.61	0.13		mg/kg	SW846 9012 M
MC23593-2	**MW-02-6'-7.5'**					
Acetone		53.7	12	4.6	ug/kg	SW846 8260B
Carbon disulfide		13.5	5.9	0.18	ug/kg	SW846 8260B
Methylene chloride		8.3	2.4	1.8	ug/kg	SW846 8260B
Toluene		0.62 J	5.9	0.29	ug/kg	SW846 8260B
1,2,4-Trichlorobenzene		3.6 J	5.9	0.43	ug/kg	SW846 8260B
Di-n-butyl phthalate		52.1 JB	270	29	ug/kg	SW846 8270C
Diethyl phthalate		27.2 JB	270	14	ug/kg	SW846 8270C
Arsenic		10.4	0.92	0.19	mg/kg	SW846 6010C
Barium		92.9	4.6	0.067	mg/kg	SW846 6010C
Cadmium		0.22 B	0.37	0.039	mg/kg	SW846 6010C
Chromium		16.2	0.92	0.087	mg/kg	SW846 6010C
Lead		23.1	0.92	0.15	mg/kg	SW846 6010C
Mercury		0.050	0.036	0.010	mg/kg	SW846 7471B

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@141027 14:20 03-Sep-2013

Report of Analysis

Client Sample ID:	MW-01-1'		
Lab Sample ID:	MC23593-1	**Date Sampled:**	08/12/13
Matrix:	SO - Soil	**Date Received:**	08/16/13
Method:	SW846 8260B	**Percent Solids:**	94.1
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G130703.D	1	08/21/13	JM	n/a	n/a	MSG5093
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	14.3 g	10.0 ml	100 ul
Run #2			

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	400	160	ug/kg	
71-43-2	Benzene	ND	20	10	ug/kg	
75-27-4	Bromodichloromethane	ND	81	15	ug/kg	
75-25-2	Bromoform	ND	81	12	ug/kg	
74-83-9	Bromomethane	ND	81	39	ug/kg	
78-93-3	2-Butanone (MEK)	ND	200	120	ug/kg	
75-15-0	Carbon disulfide	ND	200	6.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	81	47	ug/kg	
108-90-7	Chlorobenzene	ND	81	11	ug/kg	
75-00-3	Chloroethane	ND	200	24	ug/kg	
67-66-3	Chloroform	ND	81	12	ug/kg	
74-87-3	Chloromethane	ND	200	49	ug/kg	
110-82-7	Cyclohexane	ND	200	11	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	200	81	ug/kg	
124-48-1	Dibromochloromethane	ND	81	17	ug/kg	
106-93-4	1,2-Dibromoethane	ND	81	23	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	81	8.4	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	81	9.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	81	8.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	81	45	ug/kg	
75-34-3	1,1-Dichloroethane	ND	81	13	ug/kg	
107-06-2	1,2-Dichloroethane	ND	81	22	ug/kg	
75-35-4	1,1-Dichloroethene	ND	81	21	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	81	20	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	81	18	ug/kg	
78-87-5	1,2-Dichloropropane	ND	81	17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	81	12	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	81	12	ug/kg	
100-41-4	Ethylbenzene	ND	81	7.1	ug/kg	
76-13-1	Freon 113	ND	200	37	ug/kg	
591-78-6	2-Hexanone	ND	200	98	ug/kg	
98-82-8	Isopropylbenzene	ND	200	11	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-01-1'		
Lab Sample ID:	MC23593-1	**Date Sampled:**	08/12/13
Matrix:	SO - Soil	**Date Received:**	08/16/13
Method:	SW846 8260B	**Percent Solids:**	94.1
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	200	110	ug/kg	
108-87-2	Methylcyclohexane	ND	200	8.6	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	81	16	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	200	74	ug/kg	
75-09-2	Methylene chloride	ND	81	62	ug/kg	
100-42-5	Styrene	ND	200	8.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	81	12	ug/kg	
127-18-4	Tetrachloroethene	ND	81	18	ug/kg	
108-88-3	Toluene	ND	200	9.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	200	15	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	81	7.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	81	14	ug/kg	
79-01-6	Trichloroethene	ND	81	19	ug/kg	
75-69-4	Trichlorofluoromethane	ND	81	42	ug/kg	
75-01-4	Vinyl chloride	ND	81	23	ug/kg	
1330-20-7	Xylene (total)	ND	81	8.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Elevated RL due to sample matrix.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	MW-01-1'		
Lab Sample ID:	MC23593-1	**Date Sampled:**	08/12/13
Matrix:	SO - Soil	**Date Received:**	08/16/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	94.1
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R32902.D	5	08/21/13	KR	08/19/13	OP34472	MSR1200
Run #2							

	Initial Weight	Final Volume
Run #1	20.7 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	1300	58	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	2600	65	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	2600	74	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	2600	420	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	5100	640	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	2600	320	ug/kg	
95-48-7	2-Methylphenol	ND	2600	100	ug/kg	
	3&4-Methylphenol	ND	2600	120	ug/kg	
88-75-5	2-Nitrophenol	ND	2600	69	ug/kg	
100-02-7	4-Nitrophenol	ND	5100	480	ug/kg	
87-86-5	Pentachlorophenol	ND	2600	180	ug/kg	
108-95-2	Phenol	ND	1300	73	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	2600	64	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	2600	63	ug/kg	
83-32-9	Acenaphthene	ND	510	69	ug/kg	
208-96-8	Acenaphthylene	ND	510	51	ug/kg	
98-86-2	Acetophenone	ND	2600	57	ug/kg	
120-12-7	Anthracene	97.6	510	62	ug/kg	J
1912-24-9	Atrazine	ND	2600	2600	ug/kg	
100-52-7	Benzaldehyde	ND	2600	2600	ug/kg	
56-55-3	Benzo(a)anthracene	ND	510	66	ug/kg	
50-32-8	Benzo(a)pyrene	ND	510	55	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	510	64	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	510	51	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	510	78	ug/kg	
92-52-4	1,1'-Biphenyl	ND	2600	510	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	1300	65	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	1300	52	ug/kg	
105-60-2	Caprolactam	ND	2600	2600	ug/kg	
91-58-7	2-Chloronaphthalene	ND	1300	70	ug/kg	
106-47-8	4-Chloroaniline	ND	2600	64	ug/kg	
86-74-8	Carbazole	ND	510	61	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-01-1'		
Lab Sample ID:	MC23593-1	**Date Sampled:**	08/12/13
Matrix:	SO - Soil	**Date Received:**	08/16/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	94.1
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	510	64	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	1300	60	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	1300	78	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	1300	92	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1300	79	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2600	170	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2600	64	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1300	130	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	510	61	ug/kg	
132-64-9	Dibenzofuran	ND	510	71	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	1300	140	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	1300	40	ug/kg	
84-66-2	Diethyl phthalate	ND	1300	64	ug/kg	
131-11-3	Dimethyl phthalate	ND	1300	74	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1300	47	ug/kg	
206-44-0	Fluoranthene	ND	510	70	ug/kg	
86-73-7	Fluorene	ND	510	68	ug/kg	
118-74-1	Hexachlorobenzene	ND	1300	80	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1300	74	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	2600	640	ug/kg	
67-72-1	Hexachloroethane	ND	1300	62	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	510	57	ug/kg	
78-59-1	Isophorone	ND	1300	59	ug/kg	
91-57-6	2-Methylnaphthalene	173	510	65	ug/kg	J
88-74-4	2-Nitroaniline	ND	2600	64	ug/kg	
99-09-2	3-Nitroaniline	ND	2600	140	ug/kg	
100-01-6	4-Nitroaniline	ND	2600	64	ug/kg	
91-20-3	Naphthalene	289	510	82	ug/kg	J
98-95-3	Nitrobenzene	ND	1300	69	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	1300	73	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1300	77	ug/kg	
85-01-8	Phenanthrene	989	510	69	ug/kg	
129-00-0	Pyrene	ND	510	60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		30-130%
4165-62-2	Phenol-d5	66%		30-130%
118-79-6	2,4,6-Tribromophenol	76%		30-130%
4165-60-0	Nitrobenzene-d5	65%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-01-1'		
Lab Sample ID:	MC23593-1	**Date Sampled:**	08/12/13
Matrix:	SO - Soil	**Date Received:**	08/16/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	94.1
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	75%		30-130%
1718-51-0	Terphenyl-d14	78%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
123-76-2	Pentanoic acid, 4-oxo-	4.36	5000	ug/kg	JN
111-14-8	Heptanoic acid	4.48	4800	ug/kg	JN
124-07-2	Octanoic Acid	5.04	7100	ug/kg	JN
112-05-0	Nonanoic acid	5.55	10000	ug/kg	JN
334-48-5	n-Decanoic acid	6.04	6200	ug/kg	JN
112-37-8	Undecanoic acid	6.50	7900	ug/kg	JN
143-07-7	Dodecanoic acid	6.95	5700	ug/kg	JN
638-53-9	Tridecanoic acid	7.39	4600	ug/kg	JN
593-45-3	Octadecane	8.90	5200	ug/kg	JN
112-95-8	Eicosane	11.48	5300	ug/kg	JN
630-02-4	Octacosane	11.85	11000	ug/kg	JN
	Total TIC, Semi-Volatile		72800	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-01-1'
Lab Sample ID: MC23593-1
Matrix: SO - Soil
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Date Sampled: 08/12/13
Date Received: 08/16/13
Percent Solids: 94.1

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	6.4	0.86	0.18	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Barium	34.2	4.3	0.062	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Cadmium	0.15 B	0.34	0.036	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Chromium	22.0	0.86	0.081	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Lead	10.5	0.86	0.14	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Mercury	0.032 B	0.034	0.0098	mg/kg	1	08/20/13	08/20/13	EM	SW846 7471B [1]	SW846 7471B [4]
Selenium	0.30 U	0.86	0.30	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Silver	0.40 B	0.43	0.11	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA16001
(2) Instrument QC Batch: MA16005
(3) Prep QC Batch: MP21521
(4) Prep QC Batch: MP21523

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-01-1'		
Lab Sample ID:	MC23593-1	**Date Sampled:**	08/12/13
Matrix:	SO - Soil	**Date Received:**	08/16/13
		Percent Solids:	94.1
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.61	0.13	mg/kg	1	08/19/13 12:53	MA	SW846 9012 M
Solids, Percent	94.1		%	1	08/19/13	HS	SM21 2540 B MOD.

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	MW-02-6'-7.5'		
Lab Sample ID:	MC23593-2	**Date Sampled:**	08/13/13
Matrix:	SO - Soil	**Date Received:**	08/16/13
Method:	SW846 8260B	**Percent Solids:**	88.5
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P71174.D	1	08/21/13	KD	n/a	n/a	MSP2331
Run #2							

	Initial Weight	Final Volume
Run #1	4.79 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	53.7	12	4.6	ug/kg	
71-43-2	Benzene	ND	0.59	0.29	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.43	ug/kg	
75-25-2	Bromoform	ND	2.4	0.34	ug/kg	
74-83-9	Bromomethane	ND	2.4	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.9	3.6	ug/kg	
75-15-0	Carbon disulfide	13.5	5.9	0.18	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.32	ug/kg	
75-00-3	Chloroethane	ND	5.9	0.71	ug/kg	
67-66-3	Chloroform	ND	2.4	0.34	ug/kg	
74-87-3	Chloromethane	ND	5.9	1.4	ug/kg	
110-82-7	Cyclohexane	ND	5.9	0.31	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.9	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.50	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.4	0.67	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.4	0.25	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.4	0.26	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.4	0.24	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.4	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.4	0.39	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.4	0.64	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.4	0.61	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.4	0.60	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.4	0.53	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.50	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.34	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.34	ug/kg	
100-41-4	Ethylbenzene	ND	2.4	0.21	ug/kg	
76-13-1	Freon 113	ND	5.9	1.1	ug/kg	
591-78-6	2-Hexanone	ND	5.9	2.9	ug/kg	
98-82-8	Isopropylbenzene	ND	5.9	0.33	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-02-6'-7.5'		
Lab Sample ID:	MC23593-2	**Date Sampled:**	08/13/13
Matrix:	SO - Soil	**Date Received:**	08/16/13
Method:	SW846 8260B	**Percent Solids:**	88.5
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.9	3.3	ug/kg	
108-87-2	Methylcyclohexane	ND	5.9	0.25	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.4	0.47	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.9	2.2	ug/kg	
75-09-2	Methylene chloride	8.3	2.4	1.8	ug/kg	
100-42-5	Styrene	ND	5.9	0.24	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.35	ug/kg	
127-18-4	Tetrachloroethene	ND	2.4	0.52	ug/kg	
108-88-3	Toluene	0.62	5.9	0.29	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	3.6	5.9	0.43	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.21	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.41	ug/kg	
79-01-6	Trichloroethene	ND	2.4	0.56	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.4	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	0.67	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	0.24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
2037-26-5	Toluene-D8	86%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	MW-02-6'-7.5'		
Lab Sample ID:	MC23593-2	**Date Sampled:**	08/13/13
Matrix:	SO - Soil	**Date Received:**	08/16/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	88.5
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R32903.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200
Run #2							

	Initial Weight	Final Volume
Run #1	20.8 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	270	12	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	540	14	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	540	16	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	540	89	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	540	68	ug/kg	
95-48-7	2-Methylphenol	ND	540	22	ug/kg	
	3&4-Methylphenol	ND	540	26	ug/kg	
88-75-5	2-Nitrophenol	ND	540	14	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	100	ug/kg	
87-86-5	Pentachlorophenol	ND	540	38	ug/kg	
108-95-2	Phenol	ND	270	15	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	540	14	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	540	13	ug/kg	
83-32-9	Acenaphthene	ND	110	15	ug/kg	
208-96-8	Acenaphthylene	ND	110	11	ug/kg	
98-86-2	Acetophenone	ND	540	12	ug/kg	
120-12-7	Anthracene	ND	110	13	ug/kg	
1912-24-9	Atrazine	ND	540	540	ug/kg	
100-52-7	Benzaldehyde	ND	540	540	ug/kg	
56-55-3	Benzo(a)anthracene	ND	110	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	110	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	110	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	110	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	110	16	ug/kg	
92-52-4	1,1'-Biphenyl	ND	540	110	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	270	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	270	11	ug/kg	
105-60-2	Caprolactam	ND	540	540	ug/kg	
91-58-7	2-Chloronaphthalene	ND	270	15	ug/kg	
106-47-8	4-Chloroaniline	ND	540	14	ug/kg	
86-74-8	Carbazole	ND	110	13	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-02-6'-7.5'		
Lab Sample ID:	MC23593-2	**Date Sampled:**	08/13/13
Matrix:	SO - Soil	**Date Received:**	08/16/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	88.5
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	110	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	270	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	270	17	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	270	20	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	270	17	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	540	36	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	540	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	270	27	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	110	13	ug/kg	
132-64-9	Dibenzofuran	ND	110	15	ug/kg	
84-74-2	Di-n-butyl phthalate	52.1	270	29	ug/kg	JB
117-84-0	Di-n-octyl phthalate	ND	270	8.5	ug/kg	
84-66-2	Diethyl phthalate	27.2	270	14	ug/kg	JB
131-11-3	Dimethyl phthalate	ND	270	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	270	10	ug/kg	
206-44-0	Fluoranthene	ND	110	15	ug/kg	
86-73-7	Fluorene	ND	110	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	270	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	270	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	540	140	ug/kg	
67-72-1	Hexachloroethane	ND	270	13	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	110	12	ug/kg	
78-59-1	Isophorone	ND	270	13	ug/kg	
91-57-6	2-Methylnaphthalene	ND	110	14	ug/kg	
88-74-4	2-Nitroaniline	ND	540	14	ug/kg	
99-09-2	3-Nitroaniline	ND	540	30	ug/kg	
100-01-6	4-Nitroaniline	ND	540	14	ug/kg	
91-20-3	Naphthalene	ND	110	17	ug/kg	
98-95-3	Nitrobenzene	ND	270	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	270	16	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	270	16	ug/kg	
85-01-8	Phenanthrene	ND	110	15	ug/kg	
129-00-0	Pyrene	ND	110	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		30-130%
4165-62-2	Phenol-d5	62%		30-130%
118-79-6	2,4,6-Tribromophenol	69%		30-130%
4165-60-0	Nitrobenzene-d5	57%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-02-6'-7.5'		
Lab Sample ID:	MC23593-2	**Date Sampled:**	08/13/13
Matrix:	SO - Soil	**Date Received:**	08/16/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	88.5
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	70%		30-130%
1718-51-0	Terphenyl-d14	72%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-02-6'-7.5'
Lab Sample ID: MC23593-2
Matrix: SO - Soil
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Date Sampled: 08/13/13
Date Received: 08/16/13
Percent Solids: 88.5

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	10.4	0.92	0.19	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Barium	92.9	4.6	0.067	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Cadmium	0.22 B	0.37	0.039	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Chromium	16.2	0.92	0.087	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Lead	23.1	0.92	0.15	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Mercury	0.050	0.036	0.010	mg/kg	1	08/20/13	08/20/13	EM	SW846 7471B [1]	SW846 7471B [4]
Selenium	0.32 U	0.92	0.32	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Silver	0.11 U	0.46	0.11	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA16001
(2) Instrument QC Batch: MA16005
(3) Prep QC Batch: MP21521
(4) Prep QC Batch: MP21523

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-02-6'-7.5'		
Lab Sample ID:	MC23593-2	**Date Sampled:**	08/13/13
Matrix:	SO - Soil	**Date Received:**	08/16/13
		Percent Solids:	88.5
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.13	0.13	mg/kg	1	08/19/13 12:42	MA	SW846 9012 M
Solids, Percent	88.5		%	1	08/19/13	HS	SM21 2540 B MOD.

RL = Reporting Limit

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY RECORD

Page 1 of 1

Project Number:	Site and Location:
42555	Emerson EPT / Ithaca, NY
Contact Name:	**Contact Email:**
Lisa. Bryda	@wspgroup.com
Sampler's Name:	**Sampler's Signature:**
Paul Zarella	Paul Zarella

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

N° MC23593

Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	TCL VOCs	TCL SVOCs	RCRA metals	Remarks
MW-01-1'	1'	8/12/13	1315	S	2	X	X	X	Hold 1 Jar
MW-02-6'-7.5'	6'-7.5'	8/13/13	0801	S	2	X	X	X	Hold 1 Jar
									13C

Relinquished by (Signature): Paul Zarella	8/15 1300 Date / Time	Received by (Signature):	Laboratory Name: Accutest
Relinquished by (Signature):	8/16/13 9:30 Date / Time	Received by (Signature): via Fedex	Laboratory Location: MA. SYRACUSE SC
Turn-Around Time: Standard 7 DAY		Tracking Number:	Custody Seal Numbers:
			Method of Shipment: pickup

WSP Environment & Energy
SYRACUSE SC

- [x] Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- [ ] Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- [ ] San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- [ ] New Jersey Office: 200 Cottontail Ln., Somerset, NJ 08873 / Tel: 732-564-0888
- [ ] Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- [ ] Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- [ ] Woburn Office: 300 Trade Center, Suite 4690, Woburn, MA 01801
- [ ] Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

MC23593: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC23593 **Client:** WSP **Immediate Client Services Action Required:** No

Date / Time Received: 8/16/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: 4255/5 **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	Infared gun	
3. Cooler media:	Ice (bag)	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☐	☑
2. Trip Blank listed on COC:	☐	☐	☑
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC23593: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC23593

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC23593-1 Collected: 12-AUG-13 13:15 By: PZ MW-01-1'			Received: 16-AUG-13 By:			
MC23593-1	SM21 2540 B MOD.	19-AUG-13	HS			%SOL
MC23593-1	SW846 9012 M	19-AUG-13 12:53	MA	19-AUG-13	MA	CN
MC23593-1	SW846 7471B	20-AUG-13 12:12	EM	20-AUG-13	EM	HG
MC23593-1	SW846 6010C	20-AUG-13 15:55	EAL	19-AUG-13	EM	AG,AS,BA,CD,CR,PB,SE
MC23593-1	SW846 8260B	21-AUG-13 19:42	JM			V8260TCL42+
MC23593-1	SW846 8270C	21-AUG-13 20:39	KR	19-AUG-13	FC	AB8270TCL42+
MC23593-2 Collected: 13-AUG-13 08:01 By: PZ MW-02-6'-7.5'			Received: 16-AUG-13 By:			
MC23593-2	SM21 2540 B MOD.	19-AUG-13	HS			%SOL
MC23593-2	SW846 9012 M	19-AUG-13 12:42	MA	19-AUG-13	MA	CN
MC23593-2	SW846 7471B	20-AUG-13 12:15	EM	20-AUG-13	EM	HG
MC23593-2	SW846 6010C	20-AUG-13 15:59	EAL	19-AUG-13	EM	AG,AS,BA,CD,CR,PB,SE
MC23593-2	SW846 8260B	21-AUG-13 12:20	KD			V8260TCL42+
MC23593-2	SW846 8270C	21-AUG-13 21:02	KR	19-AUG-13	FC	AB8270TCL42+

Accutest Internal Chain of Custody

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Received: 08/16/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC23593-1.1	Walk In Ref #9	Hamid Siamak	08/19/13 08:15	Retrieve from Storage
MC23593-1.1	Hamid Siamak	Walk In Ref #9	08/19/13 10:58	Return to Storage
MC23593-1.1	Walk In Ref #9	Eric Mensah	08/20/13 07:44	Retrieve from Storage
MC23593-1.1	Eric Mensah	Walk In Ref #9	08/20/13 07:44	Return to Storage
MC23593-1.2	Walk In Ref #9	Mehdi Abdolrahim	08/19/13 07:51	Retrieve from Storage
MC23593-1.2	Mehdi Abdolrahim	Walk In Ref #9	08/19/13 09:04	Return to Storage
MC23593-1.2	Walk In Ref #9	Thomas Abruzzise	08/19/13 14:47	Retrieve from Storage
MC23593-1.2	Thomas Abruzzise	Walk In Ref #9	08/19/13 22:40	Return to Storage
MC23593-2.1	Walk In Ref #9	Hamid Siamak	08/19/13 08:15	Retrieve from Storage
MC23593-2.1	Hamid Siamak	Walk In Ref #9	08/19/13 10:58	Return to Storage
MC23593-2.1	Walk In Ref #9	Eric Mensah	08/20/13 07:44	Retrieve from Storage
MC23593-2.1	Eric Mensah	Walk In Ref #9	08/20/13 07:44	Return to Storage
MC23593-2.2	Walk In Ref #9	Mehdi Abdolrahim	08/19/13 07:51	Retrieve from Storage
MC23593-2.2	Mehdi Abdolrahim	Walk In Ref #9	08/19/13 09:04	Return to Storage
MC23593-2.2	Walk In Ref #9	Thomas Abruzzise	08/19/13 14:47	Retrieve from Storage
MC23593-2.2	Thomas Abruzzise	Walk In Ref #9	08/19/13 22:40	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2331-MB	P71173.D	1	08/21/13	KD	n/a	n/a	MSP2331

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23593-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.9	ug/kg	
71-43-2	Benzene	ND	0.50	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.36	ug/kg	
75-25-2	Bromoform	ND	2.0	0.29	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.97	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.2	ug/kg	
110-82-7	Cyclohexane	ND	5.0	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.52	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.0	0.92	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.28	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.8	ug/kg	
108-87-2	Methylcyclohexane	ND	5.0	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.8	ug/kg	

Method Blank Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2331-MB	P71173.D	1	08/21/13	KD	n/a	n/a	MSP2331

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23593-2

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	1.5	ug/kg	
100-42-5	Styrene	ND	5.0	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.44	ug/kg	
108-88-3	Toluene	ND	5.0	0.24	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.47	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.20	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	70-130%
2037-26-5	Toluene-D8	86%	70-130%
460-00-4	4-Bromofluorobenzene	82%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5093-MB	G130687.D	1	08/21/13	JM	n/a	n/a	MSG5093

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23593-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	190	ug/kg	
71-43-2	Benzene	ND	25	12	ug/kg	
75-27-4	Bromodichloromethane	ND	100	18	ug/kg	
75-25-2	Bromoform	ND	100	15	ug/kg	
74-83-9	Bromomethane	ND	100	49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	250	150	ug/kg	
75-15-0	Carbon disulfide	ND	250	7.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	58	ug/kg	
108-90-7	Chlorobenzene	ND	100	13	ug/kg	
75-00-3	Chloroethane	ND	250	30	ug/kg	
67-66-3	Chloroform	ND	100	14	ug/kg	
74-87-3	Chloromethane	ND	250	61	ug/kg	
110-82-7	Cyclohexane	ND	250	13	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	100	ug/kg	
124-48-1	Dibromochloromethane	ND	100	21	ug/kg	
106-93-4	1,2-Dibromoethane	ND	100	28	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	100	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	100	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	100	10	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	100	56	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	27	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	26	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	22	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	15	ug/kg	
100-41-4	Ethylbenzene	ND	100	8.9	ug/kg	
76-13-1	Freon 113	ND	250	46	ug/kg	
591-78-6	2-Hexanone	ND	250	120	ug/kg	
98-82-8	Isopropylbenzene	ND	250	14	ug/kg	
79-20-9	Methyl Acetate	ND	250	140	ug/kg	
108-87-2	Methylcyclohexane	ND	250	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	100	20	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	92	ug/kg	

Method Blank Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5093-MB	G130687.D	1	08/21/13	JM	n/a	n/a	MSG5093

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23593-1

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	100	77	ug/kg	
100-42-5	Styrene	ND	250	10	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	15	ug/kg	
127-18-4	Tetrachloroethene	ND	100	22	ug/kg	
108-88-3	Toluene	ND	250	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100	9.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	17	ug/kg	
79-01-6	Trichloroethene	ND	100	24	ug/kg	
75-69-4	Trichlorofluoromethane	ND	100	52	ug/kg	
75-01-4	Vinyl chloride	ND	100	28	ug/kg	
1330-20-7	Xylene (total)	ND	100	10	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	104%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2331-BS	P71169.D	1	08/21/13	KD	n/a	n/a	MSP2331
MSP2331-BSD	P71170.D	1	08/21/13	KD	n/a	n/a	MSP2331

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23593-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	62.0	124	54.7	109	13	70-130/25
71-43-2	Benzene	50	56.6	113	55.6	111	2	70-130/25
75-27-4	Bromodichloromethane	50	78.2	156* [a]	77.1	154* [a]	1	70-130/25
75-25-2	Bromoform	50	76.6	153* [a]	72.1	144* [a]	6	70-130/25
74-83-9	Bromomethane	50	70.9	142* [a]	70.3	141* [a]	1	70-130/25
78-93-3	2-Butanone (MEK)	50	47.0	94	44.4	89	6	70-130/25
75-15-0	Carbon disulfide	50	63.1	126	62.4	125	1	70-130/25
56-23-5	Carbon tetrachloride	50	99.5	199* [a]	96.6	193* [a]	3	70-130/25
108-90-7	Chlorobenzene	50	54.0	108	50.4	101	7	70-130/25
75-00-3	Chloroethane	50	64.6	129	64.3	129	0	70-130/25
67-66-3	Chloroform	50	67.4	135* [a]	67.0	134* [a]	1	70-130/25
74-87-3	Chloromethane	50	55.7	111	71.6	143* [b]	25	70-130/25
110-82-7	Cyclohexane	50	45.6	91	45.5	91	0	70-130/25
96-12-8	1,2-Dibromo-3-chloropropane	50	61.9	124	61.8	124	0	70-130/25
124-48-1	Dibromochloromethane	50	71.3	143* [a]	67.0	134* [a]	6	70-130/25
106-93-4	1,2-Dibromoethane	50	56.6	113	53.4	107	6	70-130/25
95-50-1	1,2-Dichlorobenzene	50	55.2	110	55.7	111	1	70-130/25
541-73-1	1,3-Dichlorobenzene	50	55.4	111	55.1	110	1	70-130/25
106-46-7	1,4-Dichlorobenzene	50	58.9	118	60.0	120	2	70-130/25
75-71-8	Dichlorodifluoromethane	50	78.9	158* [b]	76.4	153* [b]	3	70-130/25
75-34-3	1,1-Dichloroethane	50	60.7	121	59.0	118	3	70-130/25
107-06-2	1,2-Dichloroethane	50	73.9	148* [a]	72.6	145* [a]	2	70-130/25
75-35-4	1,1-Dichloroethene	50	67.1	134* [a]	69.9	140* [a]	4	70-130/25
156-59-2	cis-1,2-Dichloroethene	50	52.6	105	52.3	105	1	70-130/25
156-60-5	trans-1,2-Dichloroethene	50	52.4	105	51.1	102	3	70-130/25
78-87-5	1,2-Dichloropropane	50	52.7	105	51.9	104	2	70-130/25
10061-01-5	cis-1,3-Dichloropropene	50	58.9	118	58.6	117	1	70-130/25
10061-02-6	trans-1,3-Dichloropropene	50	59.4	119	59.4	119	0	70-130/25
100-41-4	Ethylbenzene	50	58.7	117	54.0	108	8	70-130/25
76-13-1	Freon 113	50	65.9	132* [b]	64.8	130	2	70-130/25
591-78-6	2-Hexanone	50	54.1	108	50.9	102	6	70-130/25
98-82-8	Isopropylbenzene	50	47.1	94	47.8	96	1	70-130/25
79-20-9	Methyl Acetate	50	41.1	82	40.8	82	1	33-141/25
108-87-2	Methylcyclohexane	50	54.2	108	52.6	105	3	78-140/25
1634-04-4	Methyl Tert Butyl Ether	50	55.4	111	57.6	115	4	70-130/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	53.4	107	54.7	109	2	70-130/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2331-BS	P71169.D	1	08/21/13	KD	n/a	n/a	MSP2331
MSP2331-BSD	P71170.D	1	08/21/13	KD	n/a	n/a	MSP2331

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23593-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	50	61.5	123	59.2	118	4	70-130/25
100-42-5	Styrene	50	52.6	105	48.1	96	9	70-130/25
79-34-5	1,1,2,2-Tetrachloroethane	50	47.9	96	49.6	99	3	70-130/25
127-18-4	Tetrachloroethene	50	67.5	135* [b]	65.4	131* [b]	3	70-130/25
108-88-3	Toluene	50	58.9	118	57.0	114	3	70-130/25
120-82-1	1,2,4-Trichlorobenzene	50	61.9	124	60.5	121	2	70-130/25
71-55-6	1,1,1-Trichloroethane	50	79.6	159* [a]	76.4	153* [a]	4	70-130/25
79-00-5	1,1,2-Trichloroethane	50	53.8	108	52.8	106	2	70-130/25
79-01-6	Trichloroethene	50	62.7	125	62.8	126	0	70-130/25
75-69-4	Trichlorofluoromethane	50	80.5	161* [a]	75.7	151* [a]	6	70-130/25
75-01-4	Vinyl chloride	50	57.8	116	56.0	112	3	70-130/25
1330-20-7	Xylene (total)	150	163	109	150	100	8	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	99%	99%	70-130%
2037-26-5	Toluene-D8	88%	88%	70-130%
460-00-4	4-Bromofluorobenzene	79%	79%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.
(b) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5093-BS	G130684.D	1	08/21/13	JM	n/a	n/a	MSG5093
MSG5093-BSD	G130685.D	1	08/21/13	JM	n/a	n/a	MSG5093

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23593-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	2500	2240	90	2900	116	26* a	70-130/25
71-43-2	Benzene	2500	2130	85	2290	92	7	70-130/25
75-27-4	Bromodichloromethane	2500	2480	99	2430	97	2	70-130/25
75-25-2	Bromoform	2500	2650	106	2680	107	1	70-130/25
74-83-9	Bromomethane	2500	3410	136* b	2670	107	24	70-130/25
78-93-3	2-Butanone (MEK)	2500	2990	120	3310	132* b	10	70-130/25
75-15-0	Carbon disulfide	2500	2220	89	2620	105	17	70-130/25
56-23-5	Carbon tetrachloride	2500	2770	111	2600	104	6	70-130/25
108-90-7	Chlorobenzene	2500	2330	93	2310	92	1	70-130/25
75-00-3	Chloroethane	2500	3550	142* b	2750	110	25	70-130/25
67-66-3	Chloroform	2500	2380	95	2510	100	5	70-130/25
74-87-3	Chloromethane	2500	3840	154* b	2640	106	37* b	70-130/25
110-82-7	Cyclohexane	2500	2150	86	2430	97	12	70-130/25
96-12-8	1,2-Dibromo-3-chloropropane	2500	2300	92	2450	98	6	70-130/25
124-48-1	Dibromochloromethane	2500	2530	101	2560	102	1	70-130/25
106-93-4	1,2-Dibromoethane	2500	2450	98	2480	99	1	70-130/25
95-50-1	1,2-Dichlorobenzene	2500	2310	92	2330	93	1	70-130/25
541-73-1	1,3-Dichlorobenzene	2500	2320	93	2300	92	1	70-130/25
106-46-7	1,4-Dichlorobenzene	2500	2390	96	2390	96	0	70-130/25
75-71-8	Dichlorodifluoromethane	2500	3940	158* b	2790	112	34* b	70-130/25
75-34-3	1,1-Dichloroethane	2500	2290	92	2620	105	13	70-130/25
107-06-2	1,2-Dichloroethane	2500	2340	94	2290	92	2	70-130/25
75-35-4	1,1-Dichloroethene	2500	2360	94	2700	108	13	70-130/25
156-59-2	cis-1,2-Dichloroethene	2500	2190	88	2380	95	8	70-130/25
156-60-5	trans-1,2-Dichloroethene	2500	2200	88	2450	98	11	70-130/25
78-87-5	1,2-Dichloropropane	2500	2110	84	2310	92	9	70-130/25
10061-01-5	cis-1,3-Dichloropropene	2500	2440	98	2380	95	2	70-130/25
10061-02-6	trans-1,3-Dichloropropene	2500	3240	130	2550	102	24	70-130/25
100-41-4	Ethylbenzene	2500	2490	100	2450	98	2	70-130/25
76-13-1	Freon 113	2500	2490	100	2720	109	9	70-130/25
591-78-6	2-Hexanone	2500	3410	136* b	3090	124	10	70-130/25
98-82-8	Isopropylbenzene	2500	2500	100	2490	100	0	70-130/25
79-20-9	Methyl Acetate	2500	1400	56	1880	75	29* a	33-141/25
108-87-2	Methylcyclohexane	2500	2520	101	2590	104	3	78-140/25
1634-04-4	Methyl Tert Butyl Ether	2500	2210	88	2440	98	10	70-130/25
108-10-1	4-Methyl-2-pentanone (MIBK)	2500	2310	92	2410	96	4	70-130/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5093-BS	G130684.D	1	08/21/13	JM	n/a	n/a	MSG5093
MSG5093-BSD	G130685.D	1	08/21/13	JM	n/a	n/a	MSG5093

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23593-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	2500	2050	82	2380	95	15	70-130/25
100-42-5	Styrene	2500	2500	100	2500	100	0	70-130/25
79-34-5	1,1,2,2-Tetrachloroethane	2500	2410	96	2450	98	2	70-130/25
127-18-4	Tetrachloroethene	2500	2620	105	2600	104	1	70-130/25
108-88-3	Toluene	2500	2710	108	2490	100	8	70-130/25
120-82-1	1,2,4-Trichlorobenzene	2500	2360	94	2370	95	0	70-130/25
71-55-6	1,1,1-Trichloroethane	2500	2640	106	2600	104	2	70-130/25
79-00-5	1,1,2-Trichloroethane	2500	3110	124	2360	94	27* [a]	70-130/25
79-01-6	Trichloroethene	2500	2240	90	2240	90	0	70-130/25
75-69-4	Trichlorofluoromethane	2500	2620	105	2550	102	3	70-130/25
75-01-4	Vinyl chloride	2500	2980	119	2210	88	30* [a]	70-130/25
1330-20-7	Xylene (total)	7500	7400	99	7310	97	1	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	93%	98%	70-130%
2037-26-5	Toluene-D8	104%	96%	70-130%
460-00-4	4-Bromofluorobenzene	97%	97%	70-130%

(a) Outside control limits. Individual spike recoveries within acceptance limits.
(b) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23502-28MS	P71191.D	1	08/21/13	KD	n/a	n/a	MSP2331
MC23502-28MSD	P71192.D	1	08/21/13	KD	n/a	n/a	MSP2331
MC23502-28	P71180.D	1	08/21/13	KD	n/a	n/a	MSP2331

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23593-2

CAS No.	Compound	MC23502-28 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	80.5		50.9	110	58* a	118	76	7	70-130/30
71-43-2	Benzene	ND		50.9	43.0	84	51.6	105	18	70-130/30
75-27-4	Bromodichloromethane	ND		50.9	61.4	121	76.9	156* a	22	70-130/30
75-25-2	Bromoform	ND		50.9	62.3	122	84.4	172* a	30	70-130/30
74-83-9	Bromomethane	ND		50.9	50.8	100	72.8	148* a	36* b	70-130/30
78-93-3	2-Butanone (MEK)	6.6		50.9	43.4	72	54.4	97	22	70-130/30
75-15-0	Carbon disulfide	11.3		50.9	48.2	72	57.2	93	17	70-130/30
56-23-5	Carbon tetrachloride	ND		50.9	77.7	153* a	90.8	185* a	16	70-130/30
108-90-7	Chlorobenzene	ND		50.9	36.6	72	48.4	98	28	70-130/30
75-00-3	Chloroethane	ND		50.9	49.0	96	61.6	125	23	70-130/30
67-66-3	Chloroform	ND		50.9	54.4	107	65.4	133* a	18	70-130/30
74-87-3	Chloromethane	ND		50.9	42.8	84	56.7	115	28	70-130/30
110-82-7	Cyclohexane	ND		50.9	34.8	68* a	41.4	84	17	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		50.9	64.5	127	83.9	171* a	26	70-130/30
124-48-1	Dibromochloromethane	ND		50.9	55.9	110	72.4	147* a	26	70-130/30
106-93-4	1,2-Dibromoethane	ND		50.9	45.6	90	61.2	124	29	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		50.9	39.0	77	49.8	101	24	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		50.9	38.7	76	49.0	100	23	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		50.9	41.9	82	53.1	108	24	70-130/30
75-71-8	Dichlorodifluoromethane	ND		50.9	58.3	115	76.3	155* a	27	70-130/30
75-34-3	1,1-Dichloroethane	ND		50.9	47.3	93	56.4	115	18	70-130/30
107-06-2	1,2-Dichloroethane	ND		50.9	64.8	127	76.8	156* a	17	70-130/30
75-35-4	1,1-Dichloroethene	ND		50.9	54.2	106	65.2	133* a	18	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		50.9	41.0	81	49.4	100	19	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		50.9	39.3	77	48.2	98	20	70-130/30
78-87-5	1,2-Dichloropropane	ND		50.9	40.8	80	49.8	101	20	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		50.9	46.1	91	57.1	116	21	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		50.9	50.3	99	60.2	122	18	70-130/30
100-41-4	Ethylbenzene	0.49		50.9	40.0	78	51.7	104	26	70-130/30
76-13-1	Freon 113	ND		50.9	53.9	106	64.7	132* a	18	70-130/30
591-78-6	2-Hexanone	ND		50.9	45.7	90	71.5	145* a	44* b	70-130/30
98-82-8	Isopropylbenzene	ND		50.9	36.0	71	44.2	90	20	70-130/30
79-20-9	Methyl Acetate	4.0		50.9	36.1	63	43.3	80	18	30-160/30
108-87-2	Methylcyclohexane	ND		50.9	40.2	79	48.2	98	18	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		50.9	54.8	108	68.7	140* a	23	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50.9	58.8	115	80.5	164* a	31* b	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23502-28MS	P71191.D	1	08/21/13	KD	n/a	n/a	MSP2331
MC23502-28MSD	P71192.D	1	08/21/13	KD	n/a	n/a	MSP2331
MC23502-28	P71180.D	1	08/21/13	KD	n/a	n/a	MSP2331

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23593-2

CAS No.	Compound	MC23502-28 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	ND		50.9	50.3	99	62.0	126	21	70-130/30
100-42-5	Styrene	ND		50.9	33.5	66* [a]	44.9	91	29	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		50.9	48.1	94	58.8	120	20	70-130/30
127-18-4	Tetrachloroethene	ND		50.9	48.5	95	63.0	128	26	70-130/30
108-88-3	Toluene	4.1		50.9	47.4	85	56.3	106	17	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		50.9	32.8	64* [a]	46.0	94	34* [b]	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		50.9	61.5	121	74.4	151* [a]	19	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		50.9	45.5	89	58.8	120	26	70-130/30
79-01-6	Trichloroethene	ND		50.9	48.2	95	57.2	116	17	70-130/30
75-69-4	Trichlorofluoromethane	ND		50.9	63.9	126	74.7	152* [a]	16	70-130/30
75-01-4	Vinyl chloride	0.64		50.9	41.8	81	55.4	111	28	70-130/30
1330-20-7	Xylene (total)	2.7		153	112	72	147	98	27	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23502-28	Limits
1868-53-7	Dibromofluoromethane	105%	106%	110%	70-130%
2037-26-5	Toluene-D8	90%	90%	87%	70-130%
460-00-4	4-Bromofluorobenzene	85%	83%	89%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(b) High RPD due to possible matrix interference and/or sample non-homogeneity.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23582-1MS	G130706.D	1	08/21/13	JM	n/a	n/a	MSG5093
MC23582-1MSD	G130707.D	1	08/21/13	JM	n/a	n/a	MSG5093
MC23582-1	G130692.D	1	08/21/13	JM	n/a	n/a	MSG5093

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23593-1

CAS No.	Compound	MC23582-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		4580	3000	65* [a]	2450	53* [a]	20	70-130/30
71-43-2	Benzene	838		4580	4630	83	4520	80	2	70-130/30
75-27-4	Bromodichloromethane	ND		4580	4440	97	4230	92	5	70-130/30
75-25-2	Bromoform	ND		4580	5410	118	5340	117	1	70-130/30
74-83-9	Bromomethane	ND		4580	5200	113	5160	113	1	70-130/30
78-93-3	2-Butanone (MEK)	ND		4580	4050	88	3520	77	14	70-130/30
75-15-0	Carbon disulfide	ND		4580	3850	84	3840	84	0	70-130/30
56-23-5	Carbon tetrachloride	ND		4580	5200	113	5040	110	3	70-130/30
108-90-7	Chlorobenzene	ND		4580	4310	94	4270	93	1	70-130/30
75-00-3	Chloroethane	ND		4580	4660	102	4630	101	1	70-130/30
67-66-3	Chloroform	ND		4580	4240	93	4110	90	3	70-130/30
74-87-3	Chloromethane	ND		4580	5320	116	5270	115	1	70-130/30
110-82-7	Cyclohexane	ND		4580	3730	81	3640	79	2	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		4580	3990	87	3930	86	2	70-130/30
124-48-1	Dibromochloromethane	ND		4580	4920	107	4860	106	1	70-130/30
106-93-4	1,2-Dibromoethane	ND		4580	4460	97	4350	95	2	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		4580	4150	91	4060	89	2	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		4580	4110	90	4080	89	1	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		4580	4340	95	4210	92	3	70-130/30
75-71-8	Dichlorodifluoromethane	ND		4580	5100	111	4840	106	5	70-130/30
75-34-3	1,1-Dichloroethane	ND		4580	4080	89	3960	86	3	70-130/30
107-06-2	1,2-Dichloroethane	ND		4580	4390	96	4220	92	4	70-130/30
75-35-4	1,1-Dichloroethene	ND		4580	4230	92	4250	93	0	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		4580	3920	86	3790	83	3	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		4580	3920	86	3880	85	1	70-130/30
78-87-5	1,2-Dichloropropane	ND		4580	3620	79	3540	77	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		4580	4050	88	3840	84	5	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		4580	4500	98	4270	93	5	70-130/30
100-41-4	Ethylbenzene	35.8		4580	4540	98	4540	98	0	70-130/30
76-13-1	Freon 113	ND		4580	4320	94	4410	96	2	70-130/30
591-78-6	2-Hexanone	ND		4580	4640	101	4000	87	15	70-130/30
98-82-8	Isopropylbenzene	ND		4580	4240	93	4270	93	1	70-130/30
79-20-9	Methyl Acetate	ND		4580	2570	56	2590	57	1	30-160/30
108-87-2	Methylcyclohexane	ND		4580	4300	94	4210	92	2	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		4580	4020	88	3860	84	4	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		4580	3820	83	3630	79	5	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23582-1MS	G130706.D	1	08/21/13	JM	n/a	n/a	MSG5093
MC23582-1MSD	G130707.D	1	08/21/13	JM	n/a	n/a	MSG5093
MC23582-1	G130692.D	1	08/21/13	JM	n/a	n/a	MSG5093

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23593-1

CAS No.	Compound	MC23582-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	ND		4580	3660	80	3590	78	2	70-130/30
100-42-5	Styrene	ND		4580	4680	102	4610	101	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		4580	3750	82	3690	81	2	70-130/30
127-18-4	Tetrachloroethene	ND		4580	5190	113	5170	113	0	70-130/30
108-88-3	Toluene	451		4580	4820	95	4710	93	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		4580	4280	93	4230	92	1	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		4580	4700	103	4580	100	3	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		4580	3960	86	3760	82	5	70-130/30
79-01-6	Trichloroethene	ND		4580	3980	87	3900	85	2	70-130/30
75-69-4	Trichlorofluoromethane	ND		4580	4640	101	4540	99	2	70-130/30
75-01-4	Vinyl chloride	ND		4580	5760	126	5990	131* [a]	4	70-130/30
1330-20-7	Xylene (total)	292		13700	13900	99	13900	99	0	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23582-1	Limits
1868-53-7	Dibromofluoromethane	92%	89%	104%	70-130%
2037-26-5	Toluene-D8	95%	93%	103%	70-130%
460-00-4	4-Bromofluorobenzene	90%	88%	108%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSG5092-BFB
Lab File ID: G130653.D
Instrument ID: GCMSG
Injection Date: 08/20/13
Injection Time: 12:03

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	6221	16.1		Pass
75	30.0 - 60.0% of mass 95	17896	46.4		Pass
95	Base peak, 100% relative abundance	38568	100.0		Pass
96	5.0 - 9.0% of mass 95	2509	6.51		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	30893	80.1		Pass
175	5.0 - 9.0% of mass 174	2236	5.80	(7.24) [a]	Pass
176	95.0 - 101.0% of mass 174	29352	76.1	(95.0) [a]	Pass
177	5.0 - 9.0% of mass 176	1913	4.96	(6.52) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSG5092-IC5092	G130654.D	08/20/13	12:31	00:28	Initial cal 0.5
MSG5092-IC5092	G130655.D	08/20/13	13:00	00:57	Initial cal 2
MSG5092-IC5092	G130656.D	08/20/13	13:29	01:26	Initial cal 5
MSG5092-IC5092	G130657.D	08/20/13	13:56	01:53	Initial cal 25
MSG5092-ICC5092	G130658.D	08/20/13	14:24	02:21	Initial cal 50
MSG5092-IC5092	G130659.D	08/20/13	14:52	02:49	Initial cal 100
MSG5092-IC5092	G130660.D	08/20/13	15:21	03:18	Initial cal 200
MSG5092-IC5092	G130661.D	08/20/13	15:49	03:46	Initial cal 400
MSG5092-BS	G130664.D	08/20/13	17:13	05:10	Blank Spike
MSG5092-ICV5092	G130664.D	08/20/13	17:13	05:10	Initial cal verification 50
MSG5092-CC5092	G130664.D	08/20/13	17:13	05:10	Continuing cal 50
MSG5092-MB	G130667.D	08/20/13	18:38	06:35	Method Blank
MC23641-1	G130668.D	08/20/13	19:07	07:04	(used for QC only; not part of job MC23593)
ZZZZZZ	G130669.D	08/20/13	19:36	07:33	(unrelated sample)
ZZZZZZ	G130670.D	08/20/13	20:04	08:01	(unrelated sample)
ZZZZZZ	G130671.D	08/20/13	20:33	08:30	(unrelated sample)
ZZZZZZ	G130672.D	08/20/13	21:02	08:59	(unrelated sample)
ZZZZZZ	G130673.D	08/20/13	21:30	09:27	(unrelated sample)
ZZZZZZ	G130674.D	08/20/13	21:58	09:55	(unrelated sample)
MC23641-1MS	G130675.D	08/20/13	22:26	10:23	Matrix Spike
MC23641-1MSD	G130676.D	08/20/13	22:54	10:51	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSG5093-BFB
Lab File ID: G130684.D
Instrument ID: GCMSG
Injection Date: 08/21/13
Injection Time: 10:43

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	6479	16.0		Pass
75	30.0 - 60.0% of mass 95	17928	44.3		Pass
95	Base peak, 100% relative abundance	40512	100.0		Pass
96	5.0 - 9.0% of mass 95	2956	7.30		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	33488	82.7		Pass
175	5.0 - 9.0% of mass 174	2324	5.74	(6.94) [a]	Pass
176	95.0 - 101.0% of mass 174	32576	80.4	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	2018	4.98	(6.19) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSG5093-CC5092	G130684.D	08/21/13	10:43	00:00	Continuing cal 50
MSG5093-ICV5092	G130684.D	08/21/13	10:43	00:00	Initial cal verification 50
MSG5093-BS	G130684.D	08/21/13	10:43	00:00	Blank Spike
MSG5093-BSD	G130685.D	08/21/13	11:11	00:28	Blank Spike Duplicate
MSG5093-MB	G130687.D	08/21/13	12:08	01:25	Method Blank
ZZZZZZ	G130688.D	08/21/13	12:37	01:54	(unrelated sample)
ZZZZZZ	G130691.D	08/21/13	14:01	03:18	(unrelated sample)
MC23582-1	G130692.D	08/21/13	14:30	03:47	(used for QC only; not part of job MC23593)
ZZZZZZ	G130693.D	08/21/13	14:58	04:15	(unrelated sample)
ZZZZZZ	G130694.D	08/21/13	15:26	04:43	(unrelated sample)
ZZZZZZ	G130695.D	08/21/13	15:55	05:12	(unrelated sample)
ZZZZZZ	G130696.D	08/21/13	16:23	05:40	(unrelated sample)
ZZZZZZ	G130699.D	08/21/13	17:48	07:05	(unrelated sample)
ZZZZZZ	G130700.D	08/21/13	18:17	07:34	(unrelated sample)
ZZZZZZ	G130702.D	08/21/13	19:14	08:31	(unrelated sample)
MC23593-1	G130703.D	08/21/13	19:42	08:59	MW-01-1'
ZZZZZZ	G130704.D	08/21/13	20:10	09:27	(unrelated sample)
ZZZZZZ	G130705.D	08/21/13	20:39	09:56	(unrelated sample)
MC23582-1MS	G130706.D	08/21/13	21:07	10:24	Matrix Spike
MC23582-1MSD	G130707.D	08/21/13	21:35	10:52	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSP2318-BFB
Lab File ID: P70798.D
Instrument ID: GCMSP
Injection Date: 08/05/13
Injection Time: 13:05

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	54912	23.1		Pass
75	30.0 - 60.0% of mass 95	130656	54.9		Pass
95	Base peak, 100% relative abundance	238144	100.0		Pass
96	5.0 - 9.0% of mass 95	16968	7.13		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	183424	77.0		Pass
175	5.0 - 9.0% of mass 174	15398	6.47	(8.39) [a]	Pass
176	95.0 - 101.0% of mass 174	183872	77.2	(100.2) [a]	Pass
177	5.0 - 9.0% of mass 176	12112	5.09	(6.59) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	P70800A.D	08/05/13	14:01	00:56	(unrelated sample)
MSP2318-IC2318	P70800.D	08/05/13	14:01	00:56	Initial cal 0.5
ZZZZZZ	P70801A.D	08/05/13	14:29	01:24	(unrelated sample)
MSP2318-IC2318	P70801.D	08/05/13	14:29	01:24	Initial cal 2
ZZZZZZ	P70802A.D	08/05/13	14:57	01:52	(unrelated sample)
MSP2318-IC2318	P70802.D	08/05/13	14:57	01:52	Initial cal 5
MSP2318-IC2318	P70804.D	08/05/13	15:53	02:48	Initial cal 20
MSP2318-ICC2318	P70805.D	08/05/13	16:21	03:16	Initial cal 50
MSP2318-IC2318	P70806.D	08/05/13	16:49	03:44	Initial cal 100
MSP2318-IC2318	P70807.D	08/05/13	17:17	04:12	Initial cal 200
MSP2318-IC2318	P70808.D	08/05/13	17:45	04:40	Initial cal 400
MSP2318-ICV2318	P70811.D	08/05/13	19:10	06:05	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSP2331-BFB
Lab File ID: P71168.D
Instrument ID: GCMSP
Injection Date: 08/21/13
Injection Time: 09:29

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	32664	21.6		Pass
75	30.0 - 60.0% of mass 95	86336	57.1		Pass
95	Base peak, 100% relative abundance	151168	100.0		Pass
96	5.0 - 9.0% of mass 95	7638	5.05		Pass
173	Less than 2.0% of mass 174	911	0.60	(0.66) [a]	Pass
174	50.0 - 150.0% of mass 95	138837	91.8		Pass
175	5.0 - 9.0% of mass 174	8350	5.52	(6.01) [a]	Pass
176	95.0 - 101.0% of mass 174	136512	90.3	(98.3) [a]	Pass
177	5.0 - 9.0% of mass 176	8539	5.65	(6.26) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSP2331-CC2318	P71168.D	08/21/13	09:29	00:00	Continuing cal 50
MSP2331-BS	P71169.D	08/21/13	09:58	00:29	Blank Spike
MSP2331-BSD	P71170.D	08/21/13	10:26	00:57	Blank Spike Duplicate
MSP2331-MB	P71173.D	08/21/13	11:51	02:22	Method Blank
MC23593-2	P71174.D	08/21/13	12:20	02:51	MW-02-6'-7.5'
ZZZZZZ	P71175.D	08/21/13	12:49	03:20	(unrelated sample)
ZZZZZZ	P71176.D	08/21/13	13:17	03:48	(unrelated sample)
ZZZZZZ	P71177.D	08/21/13	13:45	04:16	(unrelated sample)
ZZZZZZ	P71178.D	08/21/13	14:12	04:43	(unrelated sample)
ZZZZZZ	P71179.D	08/21/13	14:40	05:11	(unrelated sample)
MC23502-28	P71180.D	08/21/13	15:09	05:40	(used for QC only; not part of job MC23593)
ZZZZZZ	P71182.D	08/21/13	16:04	06:35	(unrelated sample)
ZZZZZZ	P71183.D	08/21/13	16:33	07:04	(unrelated sample)
ZZZZZZ	P71184.D	08/21/13	17:02	07:33	(unrelated sample)
ZZZZZZ	P71185.D	08/21/13	17:29	08:00	(unrelated sample)
ZZZZZZ	P71186.D	08/21/13	17:57	08:28	(unrelated sample)
ZZZZZZ	P71187.D	08/21/13	18:25	08:56	(unrelated sample)
ZZZZZZ	P71188.D	08/21/13	18:53	09:24	(unrelated sample)
ZZZZZZ	P71189.D	08/21/13	19:20	09:51	(unrelated sample)
ZZZZZZ	P71190.D	08/21/13	19:48	10:19	(unrelated sample)
MC23502-28MS	P71191.D	08/21/13	20:16	10:47	Matrix Spike
MC23502-28MSD	P71192.D	08/21/13	20:44	11:15	Matrix Spike Duplicate

Volatile Internal Standard Area Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	MSG5092-CC5092	**Injection Date:**	08/20/13
Lab File ID:	G130664.D	**Injection Time:**	17:13
Instrument ID:	GCMSG	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	77033	5.07	120819	6.19	60367	9.54	57108	12.16	26616	3.08
Upper Limit [a]	154066	5.57	241638	6.69	120734	10.04	114216	12.66	53232	3.58
Lower Limit [b]	38517	4.57	60410	5.69	30184	9.04	28554	11.66	13308	2.58

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSG5092-MB	77034	5.07	122653	6.20	59883	9.54	53244	12.16	24379	3.08
MC23641-1	57358	5.07	86454	6.20	42206	9.54	40165	12.16	18129	3.08
ZZZZZZ	65569	5.07	119890	6.20	61377	9.54	54464	12.16	17661	3.07
ZZZZZZ	77025	5.07	123206	6.20	63410	9.54	56081	12.16	25660	3.07
ZZZZZZ	79167	5.07	125564	6.20	62757	9.54	55232	12.16	27830	3.07
ZZZZZZ	79420	5.07	126001	6.20	63783	9.54	56626	12.16	27349	3.07
ZZZZZZ	78680	5.07	127578	6.20	64699	9.54	56998	12.16	26048	3.07
ZZZZZZ	78959	5.07	125452	6.20	62990	9.54	54432	12.16	26548	3.07
MC23641-1MS	79788	5.07	126751	6.19	62476	9.54	58643	12.16	20536	3.08
MC23641-1MSD	80106	5.07	126335	6.20	62546	9.54	59322	12.16	20688	3.08
MSG5093-BS	62035	5.07	94164	6.19	62479	9.54	58750	12.16	17446	3.08

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	MSG5093-CC5092	**Injection Date:**	08/21/13
Lab File ID:	G130684.D	**Injection Time:**	10:43
Instrument ID:	GCMSG	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	62035	5.07	94164	6.19	62479	9.54	58750	12.16	17446	3.08
Upper Limit [a]	124070	5.57	188328	6.69	124958	10.04	117500	12.66	34892	3.58
Lower Limit [b]	31018	4.57	47082	5.69	31240	9.04	29375	11.66	8723	2.58

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSG5093-BSD	79304	5.07	125240	6.19	61988	9.54	58125	12.16	26323	3.08
MSG5093-MB	76804	5.07	122659	6.19	59399	9.54	53948	12.16	24161	3.08
ZZZZZZ	76193	5.07	121833	6.19	59507	9.54	52158	12.16	22113	3.08
ZZZZZZ	74576	5.07	118886	6.19	57978	9.54	50353	12.16	24216	3.08
MC23582-1	73791	5.07	117575	6.19	58418	9.54	53079	12.16	25804	3.08
ZZZZZZ	56638	5.07	104841	6.19	56915	9.54	50959	12.16	14802	3.08
ZZZZZZ	71900	5.07	115291	6.20	56469	9.54	50750	12.16	20959	3.08
ZZZZZZ	73763	5.07	117364	6.20	58519	9.54	52531	12.16	22909	3.08
ZZZZZZ	56626	5.07	84130	6.19	42327	9.54	38701	12.16	13985	3.07
ZZZZZZ	51108	5.07	74839	6.20	36004	9.54	32957	12.16	11353	3.07
ZZZZZZ	50789	5.07	74247	6.20	35825	9.54	33694	12.16	13738	3.08
ZZZZZZ	49394	5.07	72211	6.20	35254	9.54	32942	12.16	13677	3.08
MC23593-1 [c]	48242	5.07	71314	6.20	34467	9.54	32746	12.16	14242	3.09
ZZZZZZ	49671	5.07	72857	6.20	37875	9.54	36391	12.16	11029	3.07
ZZZZZZ	53415	5.07	79286	6.20	40111	9.54	38710	12.16	11458	3.07
MC23582-1MS	54772	5.07	79439	6.20	38665	9.54	39923	12.16	13793	3.08
MC23582-1MSD	55842	5.07	81607	6.20	38840	9.54	40388	12.16	12801	3.07

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Elevated RL due to sample matrix.

Volatile Internal Standard Area Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std: MSP2331-CC2318 **Injection Date:** 08/21/13
Lab File ID: P71168.D **Injection Time:** 09:29
Instrument ID: GCMSP **Method:** SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	519360	8.45	659044	9.30	408620	12.54	383860	15.10	201315	6.07
Upper Limit [a]	1038720	8.95	1318088	9.80	817240	13.04	767720	15.60	402630	6.57
Lower Limit [b]	259680	7.95	329522	8.80	204310	12.04	191930	14.60	100658	5.57

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSP2331-BS	631097	8.45	782491	9.30	472973	12.54	437743	15.11	212667	6.09
MSP2331-BSD	690718	8.45	846585	9.31	541364	12.54	457079	15.11	255117	6.08
MSP2331-MB	583635	8.46	683906	9.31	367971	12.55	265813	15.11	234563	6.10
MC23593-2	558983	8.46	658900	9.31	342314	12.55	195758	15.10	299403	6.09
ZZZZZZ	540452	8.45	657018	9.31	360646	12.55	224074	15.11	327028	6.09
ZZZZZZ	497354	8.46	609368	9.31	320712	12.55	194503	15.10	262779	6.09
ZZZZZZ	468752	8.46	573473	9.30	283782	12.55	141784[c]	15.10	251101	6.10
ZZZZZZ	478738	8.46	573703	9.31	313439	12.55	199939	15.10	236783	6.10
ZZZZZZ	417121	8.46	498428	9.31	222938	12.55	100165[c]	15.11	239269	6.09
MC23502-28	454670	8.46	562570	9.31	311538	12.55	203569	15.10	285018	6.08
ZZZZZZ	443498	8.45	554261	9.31	302739	12.55	205567	15.11	270533	6.09
ZZZZZZ	432409	8.46	524537	9.31	289159	12.55	194341	15.10	242821	6.10
ZZZZZZ	400341	8.46	493149	9.31	274926	12.55	173009[c]	15.11	243194	6.09
ZZZZZZ	400821	8.46	510864	9.31	283527	12.55	176395[c]	15.11	254679	6.08
ZZZZZZ	417642	8.46	516180	9.31	334191	12.55	284815	15.11	255486	6.09
ZZZZZZ	611923	8.46	716788	9.31	389079	12.55	245275	15.11	379524	6.09
ZZZZZZ	545980	8.46	659592	9.31	365278	12.55	256070	15.10	347542	6.09
ZZZZZZ	518613	8.46	609111	9.31	333062	12.55	216042	15.10	296189	6.09
ZZZZZZ	530216	8.46	637197	9.31	351102	12.55	229244	15.10	303347	6.09
MC23502-28MS	581365	8.45	712578	9.30	468976	12.54	369605	15.10	350986	6.08
MC23502-28MSD	655679	8.45	823028	9.30	512369	12.54	442558	15.11	370644	6.07

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

Volatile Surrogate Recovery Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC23593-1	G130703.D	102.0	103.0	104.0
MC23593-2	P71174.D	101.0	86.0	98.0
MC23502-28MS	P71191.D	105.0	90.0	85.0
MC23502-28MSD	P71192.D	106.0	90.0	83.0
MC23582-1MS	G130706.D	92.0	95.0	90.0
MC23582-1MSD	G130707.D	89.0	93.0	88.0
MSG5093-BS	G130684.D	93.0	104.0	97.0
MSG5093-BSD	G130685.D	98.0	96.0	97.0
MSG5093-MB	G130687.D	102.0	101.0	104.0
MSP2331-BS	P71169.D	99.0	88.0	79.0
MSP2331-BSD	P71170.D	99.0	88.0	79.0
MSP2331-MB	P71173.D	96.0	86.0	82.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC23593 **Sample:** MSG5092-ICC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130658.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report MSG

Method : C:\msdchem\1\METHODS\g130820s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Aug 21 08:00:39 2013
Response via : Initial Calibration

Calibration Files
2 =G130655.D 5 =G130656.D 50 =G130658.D 100 =G130659.D
200 =G130660.D 400 =G130661.D 0.5 =G130654.D 25 =G130657.D
= =

Compound	2	5	50	100	200	400	0.5	25	Avg	%RSD
1) I tert butyl alcohol-d9	ISTD									
2) tertiary butyl alcohol			1.340	1.394	1.504	1.495		1.359	1.419	5.40
3) Ethanol			0.103	0.113	0.086	0.095		0.107	0.101	10.27
4) I pentafluorobenzene	ISTD									
5) dichlorodifluoromethane	0.914	0.872	0.752	0.735	0.731	0.720		0.723	0.778	10.27
6) chloromethane			0.463	0.442	0.431	0.430	0.398	0.405	0.428	5.58
7) vinyl chloride	0.238	0.240	0.218	0.202	0.203	0.190		0.234	0.218	9.25
---- Linear regression ---- Coefficient = 0.9987										
Response Ratio = 0.01946 + 0.18966 *A										
8) bromomethane	0.426	0.405	0.386	0.345	0.333	0.370		0.358	0.375	8.88
9) chloroethane			0.294	0.271	0.264	0.231	0.261	0.269	0.265	7.69
10) ethyl ether			0.341	0.530	0.500	0.499	0.490	0.491	0.475	14.21
11) acetonitrile			0.896	0.950	0.899	0.901	0.888	0.947	0.914	3.01
12) trichlorofluoromethane	1.107	0.960	1.164	1.086	1.013	1.148		1.179	1.094	7.45
13) freon-113			0.602	0.803	0.791	0.780	0.778	0.810	0.761	10.32
14) acrolein			0.046	0.046	0.046	0.045		0.045	0.046	1.53
15) 1,1-dichloroethene	0.789	0.528	0.692	0.666	0.656	0.662		0.675	0.667	11.49
16) acetone			0.060	0.101	0.099	0.084	0.075	0.093	0.085	18.44
---- Linear regression ---- Coefficient = 0.9919										
Response Ratio = 0.02147 + 0.07425 *A										
17) Methyl Acetate			0.702	0.685	0.653	0.629	0.609	0.665	0.657	5.25
18) methylene chloride	0.865	0.801	0.751	0.705	0.690	0.690		0.741	0.749	8.63
19) methyl tert butyl ether	1.927	1.786	1.892	1.843	1.862	1.853		1.810	1.853	2.56
20) acrylonitrile										

Initial Calibration Summary

Job Number: MC23593 **Sample:** MSG5092-ICC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130658.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

		0.226	0.219	0.213	0.206		0.221	0.217	3.41
21)	allyl chloride								
		0.896	0.950	0.915	0.901	0.890	0.947	0.916	2.87
22)	trans-1,2-dichloroethene								
		0.803	0.728	0.714	0.683	0.671	0.675	0.705	0.711	6.43
23)	iodomethane								
		1.304	1.254	1.210	1.199	1.179	1.241	1.231	3.67
24)	carbon disulfide								
		2.023	2.179	2.118	2.125	2.162	2.058	2.111	2.83
25)	propionitrile								
		0.074	0.078	0.077	0.074	0.076	0.073	0.075	2.57
26)	vinyl acetate								
		1.172	1.234	1.213	1.206	1.193	1.195	1.202	1.76
27)	chloroprene								
		0.937	0.982	0.968	0.960	0.974	0.957	0.963	1.64
28)	di-isopropyl ether								
		2.136	1.999	2.047	1.992	1.983	1.965	1.994	2.016	2.89
29)	methacrylonitrile								
		0.407	0.414	0.402	0.392	0.391	0.404	0.402	2.21
30)	2-butanone								
		0.079	0.088	0.093	0.080	0.075	0.080	0.083	7.73
31)	Ethyl Acetate								
		0.083	0.085	0.078	0.076	0.074	0.087	0.080	6.70
32)	Hexane								
		0.705	0.651	0.622	0.588	0.613	0.660	0.640	6.47
33)	1,1-dichloroethane								
		1.293	1.196	1.142	1.089	1.073	1.063	1.129	1.141	7.12
34)	tert-butyl ethyl ether								
		1.982	1.857	1.965	1.939	1.952	1.953	1.897	1.935	2.24
35)	isobutyl alcohol								
		0.022	0.023	0.023	0.021	0.022	0.021	0.022	3.28
36)	2,2-dichloropropane								
		0.742	0.735	0.697	0.697	0.667	0.703	0.707	3.91
37)	cis-1,2-dichloroethene								
		0.846	0.781	0.769	0.740	0.733	0.731	0.752	0.765	5.27
38)	bromochloromethane								
		0.353	0.345	0.332	0.335	0.338	0.335	0.340	2.30
39)	chloroform								
		1.402	1.293	1.227	1.173	1.161	1.157	1.211	1.232	7.20
40)	dibromofluoromethane (s)								
		0.650	0.719	0.702	0.694	0.704	0.689	0.693	3.39
41)	Tetrahydrofuran								
		0.142	0.142	0.136	0.133		0.135	0.138	3.00
42)	1,1,1-trichloroethane								
		1.083	1.036	1.055	1.019	1.025	1.037	1.007	1.038	2.42
43)	I 1,4-difluorobenzene	----------ISTD----------							
44)	Cyclohexane								
		0.766	0.744	0.726	0.702	0.694	0.728	0.727	3.65
45)	carbon tetrachloride								
		0.638	0.617	0.645	0.628	0.633	0.632	0.614	0.630	1.74
46)	1,1-dichloropropene								
		0.667	0.659	0.636	0.628	0.618	0.638	0.641	2.93
47)	benzene								
		2.086	1.927	1.797	1.715	1.667	1.604	2.389	1.776	1.870	13.85
48)	1,2-dichloroethane								
		0.720	0.664	0.637	0.615	0.602	0.580	0.640	0.637	7.17
49)	tert-amyl methyl ether								
		1.097	1.196	1.179	1.190	1.139	1.100	1.150	3.88
50)	heptane								

Initial Calibration Summary

Job Number: MC23593 **Sample:** MSG5092-ICC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130658.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

		0.915	0.906	0.878	0.840	0.825	0.884	0.875	4.08
51)	trichloroethene									
		0.561	0.550	0.519	0.496	0.491	0.479	0.644	0.501	0.530	10.23
52)	1,2-dichloropropane									
		0.504	0.460	0.445	0.431	0.428	0.413	0.442	0.446	6.61
53)	dibromomethane									
		0.262	0.257	0.254	0.248	0.254	0.255	1.99
54)	bromodichloromethane									
		0.545	0.531	0.585	0.586	0.596	0.594	0.550	0.569	4.66
55)	Methylcyclohexane									
		0.753	0.751	0.739	0.715	0.743	0.730	0.738	1.94
56)	2-chloroethyl vinyl ether									
		0.028	0.056	0.066	0.077	0.090	0.043	0.060	37.35
	---- Linear regression ---- Coefficient = 0.9941									
	Response Ratio = -0.03166 + 0.09161 *A									
57)	methyl methacrylate									
		0.225	0.251	0.251	0.256	0.252	0.234	0.245	5.05
58)	1,4-dioxane									
		0.004	0.004	0.003	0.004	0.003	0.004	11.04
59)	cis-1,3-dichloropropene									
		0.687	0.656	0.763	0.757	0.772	0.763	0.715	0.730	6.21
60)	toluene-d8 (s)									
		1.852	1.516	1.722	1.650	1.614	1.602	2.001	1.591	1.693	9.44
61)	4-methyl-2-pentanone									
		0.308	0.355	0.352	0.358	0.358	0.316	0.341	6.66
62)	toluene									
		1.169	1.153	1.106	1.090	1.058	1.116	1.115	3.63
63)	trans-1,3-dichloropropene									
		0.578	0.570	0.655	0.650	0.659	0.642	0.619	0.625	5.92
64)	1,1,2-trichloroethane									
		0.365	0.355	0.330	0.318	0.317	0.304	0.318	0.330	6.80
65)	ethyl methacrylate									
		0.380	0.473	0.477	0.485	0.467	0.432	0.452	8.81
66)	I chlorobenzene-d5 ----------ISTD----------									
67)	tetrachloroethene									
		1.115	1.009	0.961	0.912	0.893	0.894	1.204	0.940	0.991	11.42
68)	1,3-dichloropropane									
		1.370	1.310	1.281	1.271	1.261	1.286	1.297	3.05
69)	dibromochloromethane									
		0.717	0.738	0.866	0.890	0.939	0.968	0.782	0.843	11.69
70)	1,2-dibromoethane									
		0.842	0.776	0.826	0.807	0.820	0.820	0.790	0.812	2.78
71)	2-hexanone									
		0.491	0.553	0.529	0.491	0.452	0.490	0.501	7.04
72)	chlorobenzene									
		3.258	2.933	2.766	2.681	2.652	2.604	2.711	2.801	8.13
73)	1,1,1,2-tetrachloroethane									
		0.871	0.944	0.936	0.932	0.912	0.901	0.916	2.98
74)	ethylbenzene									
		4.940	4.605	4.613	4.455	4.299	4.190	4.479	4.512	5.40
75)	m,p-xylene									
		1.872	1.795	1.784	1.713	1.659	1.594	1.761	1.740	5.32
76)	o-xylene									
		1.787	1.594	1.739	1.704	1.687	1.658	1.654	1.689	3.70
77)	styrene									
		2.500	2.821	2.749	2.750	2.713	2.672	2.701	4.07
78)	bromoform									
		0.371	0.453	0.475	0.517	0.526	0.395	0.456	13.83

Initial Calibration Summary

Job Number: MC23593 **Sample:** MSG5092-ICC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130658.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
 79)  trans-1,4-dichloro-2-butene
                0.211 0.275 0.277 0.285 0.290       0.241         0.263   11.64

 80) I   1,4-dichlorobenzene-d ----------------ISTD--------------------
 81)  isopropylbenzene
                4.708 4.941 4.784 4.569 4.449       4.821         4.712    3.79
 82)  bromofluorobenzene (s)
          1.637 1.409 1.450 1.419 1.366 1.341       1.363         1.426    7.03
 83)  bromobenzene
                1.284 1.206 1.178 1.147 1.096       1.192         1.184    5.32
 84)  1,1,2,2-tetrachloroethane
          1.060 0.995 0.975 0.955 0.942 0.916       0.949         0.970    4.80
 85)  1,2,3-trichloropropane
                0.840 0.818 0.782 0.759 0.733       0.787         0.786    4.93
 86)  n-propylbenzene
                5.738 5.798 5.621 5.298 5.116       5.667         5.540    4.89
 87)  2-chlorotoluene
                4.246 4.112 3.910 3.725 3.552       4.037         3.930    6.53
 88)  4-chlorotoluene
                3.782 3.574 3.528 3.362 3.254       3.590         3.515    5.28
 89)  1,3,5-trimethylbenzene
                3.961 4.171 4.050 3.874 3.740       4.014         3.968    3.75
 90)  tert-butylbenzene
                2.732 2.840 2.742 2.615 2.555       2.734         2.703    3.76
 91)  1,2,4-trimethylbenzene
                4.012 4.187 4.095 3.923 3.783       4.018         4.003    3.49
 92)  sec-butylbenzene
                4.842 5.041 4.879 4.617 4.589       4.800         4.795    3.54
 93)  1,3-dichlorobenzene
          2.711 2.472 2.334 2.272 2.193 2.133       2.288         2.343    8.29
 94)  p-isopropyltoluene
                3.575 3.916 3.847 3.671 3.639       3.710         3.726    3.49
 95)  1,4-dichlorobenzene
          2.731 2.461 2.273 2.221 2.171 2.093       2.231         2.312    9.37
 96)  1,2-dichlorobenzene
          2.456 2.250 2.214 2.151 2.115 2.052       2.129         2.195    6.01
 97)  n-butylbenzene
                3.338 3.737 3.669 3.453 3.474       3.512         3.530    4.18
 98)  1,2-dibromo-3-chloropropane
                0.124 0.146 0.155 0.162 0.168       0.124         0.147   12.86
 99)  1,3,5-trichlorobenzene
                      1.491 1.499 1.426 1.394       1.379         1.438    3.82
100)  1,2,4-trichlorobenzene
                0.776 1.232 1.285 1.244 1.217       1.060         1.136   16.93
             ---- Linear regression ----  Coefficient =  0.9995
               Response Ratio = 0.00427 + 1.22407 *A

101)  hexachlorobutadiene
                0.716 0.707 0.678 0.631 0.594       0.657         0.664    7.01
102)  naphthalene
                1.369 2.471 2.646 2.602 2.642       2.021         2.292   22.26
             ---- Linear regression ----  Coefficient =  0.9998
               Response Ratio = -0.18589 + 2.66487 *A

103)  2-Methylnaphthalene
                      0.411 0.536 0.572 0.694       0.309         0.504   29.52
             ---- Linear regression ----  Coefficient =  0.9948
               Response Ratio = -0.17012 + 0.72116 *A

104)  1-Methylnaphthalene
```

Initial Calibration Summary

Job Number: MC23593 **Sample:** MSG5092-ICC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130658.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
                0.160 0.314 0.410 0.421 0.509       0.245         0.343   37.27
            ---- Linear regression ----  Coefficient =  0.9934
              Response Ratio = -0.08455 + 0.51539 *A

105)  1,2,3-trichlorobenzene
                0.664 0.988 1.024 0.970 0.968       0.837         0.908   14.94
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          g130820s.m        Wed Aug 21 08:20:25 2013
```

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSG5092-CC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130664.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\G130820\G130664.D Vial: 13
Acq On : 20 Aug 2013 5:13 pm Operator: jaimem
Sample : cc5092-50 Inst : MSG
Misc : MS29686,MSG5092,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130820s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Aug 21 10:20:56 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	104	-0.01	3.08
2	M	tertiary butyl alcohol	1.419	1.382	2.6	107	0.00	3.16
3	T	Ethanol	0.101	0.078	22.8#	79	0.00	2.44
4	I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	5.07
5	M	dichlorodifluoromethane	0.778	0.786	-1.0	107	0.00	1.65
6	P	chloromethane	0.428	0.508	-18.7	117	0.00	1.83
		----------	Amount	Calc.	%Drift	----------		
7	c	vinyl chloride	50.000	38.945	22.1#	78	0.00	1.92
		----------	AvgRF	CCRF	%Dev	----------		
8	M	bromomethane	0.375	0.385	-2.7	102	-0.02	2.28
9	M	chloroethane	0.265	0.266	-0.4	100	0.00	2.34
10	M	ethyl ether	0.475	0.498	-4.8	96	0.00	2.79
11	M	acetonitrile	0.914	0.926	-1.3	99	0.00	3.42
12	M	trichlorofluoromethane	1.094	1.040	4.9	91	0.00	2.62
13	M	freon-113	0.761	0.819	-7.6	104	0.00	2.93
14	M	acrolein	0.046	0.060	-30.4#	134	0.00	2.90
15	c	1,1-dichloroethene	0.667	0.717	-7.5	105	0.00	3.09
		----------	Amount	Calc.	%Drift	----------		
16	M	acetone	50.000	34.447	31.1#	73	0.00	2.96
		----------	AvgRF	CCRF	%Dev	----------		
17	M	Methyl Acetate	0.657	0.497	24.4#	74	0.00	3.37
18	M	methylene chloride	0.749	0.716	4.4	97	0.00	3.53
19	M	methyl tert butyl ether	1.853	1.785	3.7	96	0.00	3.66
20	M	acrylonitrile	0.217	0.211	2.8	95	0.00	3.63
21	M	allyl chloride	0.916	0.926	-1.1	99	0.00	3.42
22	M	trans-1,2-dichloroethene	0.711	0.695	2.3	99	0.00	3.80
23	M	iodomethane	1.231	1.231	0.0	100	0.00	3.39
24	M	carbon disulfide	2.111	2.179	-3.2	102	0.00	3.59
25	M	propionitrile	0.075	0.072	4.0	94	0.00	4.72
26	M	vinyl acetate	1.202	0.895	25.5#	74	0.00	4.21
27	M	chloroprene	0.963	1.040	-8.0	108	0.00	4.31
28	M	di-isopropyl ether	2.016	1.890	6.3	94	0.00	4.09
29	M	methacrylonitrile	0.402	0.394	2.0	97	0.00	4.93
30	M	2-butanone	0.083	0.085	-2.4	99	0.00	4.64
31		Ethyl Acetate	0.080	0.417	-421.2#	497#	0.00	4.81
32	M	Hexane	0.640	0.659	-3.0	103	0.00	3.85
33	P	1,1-dichloroethane	1.141	1.195	-4.7	107	0.00	4.22

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSG5092-CC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130664.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

34	M	tert-butyl ethyl ether	1.935	1.935	0.0	100	0.00	4.51
35	M	isobutyl alcohol	0.022	0.024	-9.1	108	0.00	4.95
36	M	2,2-dichloropropane	0.707	0.723	-2.3	100	0.00	4.79
37	M	cis-1,2-dichloroethene	0.765	0.727	5.0	96	0.00	4.83
38	M	bromochloromethane	0.340	0.359	-5.6	106	0.00	5.18
39	c	chloroform	1.232	1.240	-0.6	103	0.00	5.00
40	S	dibromofluoromethane (s)	0.693	0.732	-5.6	104	0.00	5.23
41	M	Tetrahydrofuran	0.138	0.143	-3.6	103	0.00	5.22
42	M	1,1,1-trichloroethane	1.038	1.076	-3.7	104	0.00	5.43
43	I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	6.19
44	M	Cyclohexane	0.727	0.715	1.7	98	0.00	5.45
45	M	carbon tetrachloride	0.630	0.663	-5.2	105	0.00	5.71
46	M	1,1-dichloropropene	0.641	0.634	1.1	98	0.00	5.59
47	M	benzene	1.870	1.698	9.2	97	0.00	5.89
48	M	1,2-dichloroethane	0.637	0.581	8.8	93	0.00	5.87
49	M	tert-amyl methyl ether	1.150	1.154	-0.3	99	0.00	5.72
50	M	heptane	0.875	0.842	3.8	95	0.00	5.74
51	M	trichloroethene	0.530	0.473	10.8	93	0.00	6.56
52	c	1,2-dichloropropane	0.446	0.414	7.2	95	0.00	6.76
53	M	dibromomethane	0.255	0.272	-6.7	106	0.00	7.08
54	M	bromodichloromethane	0.569	0.557	2.1	98	0.00	7.02
55	M	Methylcyclohexane	0.738	0.751	-1.8	102	0.00	6.63
		----------	Amount	Calc.	%Drift	----------		
56	M	2-chloroethyl vinyl ether	50.000	45.001	10.0	92	0.00	7.35
		----------	AvgRF	CCRF	%Dev	----------		
57	M	methyl methacrylate	0.245	0.240	2.0	98	0.00	6.82
58	M	1,4-dioxane	0.004	0.004	0.0	98	0.00	7.05
59	M	cis-1,3-dichloropropene	0.730	0.686	6.0	92	0.00	7.61
60	S	toluene-d8 (s)	1.693	1.744	-3.0	104	0.00	7.88
61	M	4-methyl-2-pentanone	0.341	0.324	5.0	94	0.00	7.38
62	c	toluene	1.115	1.104	1.0	98	0.00	7.97
63	M	trans-1,3-dichloropropene	0.625	0.633	-1.3	99	0.00	8.16
64	M	1,1,2-trichloroethane	0.330	0.309	6.4	96	0.00	8.34
65	M	ethyl methacrylate	0.452	0.466	-3.1	101	0.00	8.15
66	I	chlorobenzene-d5	1.000	1.000	0.0	102	0.00	9.54
67	M	tetrachloroethene	0.991	1.011	-2.0	108	0.00	8.68
68	M	1,3-dichloropropane	1.297	1.257	3.1	98	0.00	8.61
69	M	dibromochloromethane	0.843	0.841	0.2	99	0.00	8.90
70	M	1,2-dibromoethane	0.812	0.794	2.2	98	0.00	9.12
71	M	2-hexanone	0.501	0.438	12.6	81	0.00	8.34
72	P	chlorobenzene	2.801	2.558	8.7	95	0.00	9.58
73	M	1,1,1,2-tetrachloroethane	0.916	0.911	0.5	99	0.00	9.63
74	c	ethylbenzene	4.512	4.391	2.7	97	0.00	9.64
75	M	m,p-xylene	1.740	1.689	2.9	97	0.00	9.72
76	M	o-xylene	1.689	1.603	5.1	94	0.00	10.20
77	M	styrene	2.701	2.667	1.3	97	0.00	10.24
78	P	bromoform	0.456	0.480	-5.3	108	0.00	10.61
79	M	trans-1,4-dichloro-2-bute	0.263	0.253	3.8	94	0.00	10.64
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	12.16
81	M	isopropylbenzene	4.712	4.563	3.2	95	0.00	10.59
82	S	bromofluorobenzene (s)	1.426	1.467	-2.9	104	0.00	10.87
83	M	bromobenzene	1.184	1.175	0.8	100	0.00	11.08
84	P	1,1,2,2-tetrachloroethane	0.970	0.957	1.3	100	0.00	10.78
85	M	1,2,3-trichloropropane	0.786	0.765	2.7	96	0.00	10.94
86	M	n-propylbenzene	5.540	5.311	4.1	94	0.00	11.03

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSG5092-CC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130664.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

87	M	2-chlorotoluene	3.930	3.624	7.8	90	0.00	11.22
88	M	4-chlorotoluene	3.515	3.369	4.2	96	0.00	11.28
89	M	1,3,5-trimethylbenzene	3.968	3.842	3.2	94	0.00	11.20
90	M	tert-butylbenzene	2.703	2.573	4.8	93	0.00	11.60
91	M	1,2,4-trimethylbenzene	4.003	3.885	2.9	95	0.00	11.63
92	M	sec-butylbenzene	4.795	4.579	4.5	93	0.00	11.82
93	M	1,3-dichlorobenzene	2.343	2.148	8.3	94	0.00	12.08
94	M	p-isopropyltoluene	3.726	3.888	-4.3	102	0.00	11.97
95	M	1,4-dichlorobenzene	2.312	2.179	5.8	98	0.00	12.20
96	M	1,2-dichlorobenzene	2.195	2.042	7.0	94	0.00	12.60
97	M	n-butylbenzene	3.530	3.494	1.0	96	0.00	12.42
98	M	1,2-dibromo-3-chloropropa	0.147	0.142	3.4	100	0.00	13.46
99		1,3,5-trichlorobenzene	1.438	1.288	10.4	88	0.00	13.72
		----------	Amount	Calc.	%Drift	----------		
100	M	1,2,4-trichlorobenzene	50.000	47.482	5.0	97	0.00	14.42
		----------	AvgRF	CCRF	%Dev	----------		
101	M	hexachlorobutadiene	0.664	0.677	-2.0	98	0.00	14.57
		----------	Amount	Calc.	%Drift	----------		
102	M	naphthalene	50.000	47.906	4.2	98	0.00	14.71
103		2-Methylnaphthalene	25.000	26.804	-7.2	108	0.00	15.89
104		1-Methylnaphthalene	25.000	25.236	-0.9	115	0.00	16.16
		----------	AvgRF	CCRF	%Dev	----------		
105	M	1,2,3-trichlorobenzene	0.908	0.939	-3.4	97	0.00	14.98

(#) = Out of Range SPCC's out = 0 CCC's out = 1
G130658.D g130820s.m Wed Aug 28 11:40:13 2013

Initial Calibration Verification

Job Number: MC23593 **Sample:** MSG5092-ICV5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130664.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\G130820\G130664.D Vial: 13
Acq On : 20 Aug 2013 5:13 pm Operator: jaimem
Sample : cc5092-50 Inst : MSG
Misc : MS29686,MSG5092,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130820s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Aug 21 10:20:56 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	104	-0.01	3.08
2	M	tertiary butyl alcohol	1.419	1.382	2.6	107	0.00	3.16
3	T	Ethanol	0.101	0.078	22.8#	79	0.00	2.44
4	I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	5.07
5	M	dichlorodifluoromethane	0.778	0.786	-1.0	107	0.00	1.65
6	P	chloromethane	0.428	0.508	-18.7	117	0.00	1.83
		----------	Amount	Calc.	%Drift	----------		
7	c	vinyl chloride	50.000	38.945	22.1#	78	0.00	1.92
		----------	AvgRF	CCRF	%Dev	----------		
8	M	bromomethane	0.375	0.385	-2.7	102	-0.02	2.28
9	M	chloroethane	0.265	0.266	-0.4	100	0.00	2.34
10	M	ethyl ether	0.475	0.498	-4.8	96	0.00	2.79
11	M	acetonitrile	0.914	0.926	-1.3	99	0.00	3.42
12	M	trichlorofluoromethane	1.094	1.040	4.9	91	0.00	2.62
13	M	freon-113	0.761	0.819	-7.6	104	0.00	2.93
14	M	acrolein	0.046	0.060	-30.4#	134	0.00	2.90
15	c	1,1-dichloroethene	0.667	0.717	-7.5	105	0.00	3.09
		----------	Amount	Calc.	%Drift	----------		
16	M	acetone	50.000	34.447	31.1#	73	0.00	2.96
		----------	AvgRF	CCRF	%Dev	----------		
17	M	Methyl Acetate	0.657	0.497	24.4#	74	0.00	3.37
18	M	methylene chloride	0.749	0.716	4.4	97	0.00	3.53
19	M	methyl tert butyl ether	1.853	1.785	3.7	96	0.00	3.66
20	M	acrylonitrile	0.217	0.211	2.8	95	0.00	3.63
21	M	allyl chloride	0.916	0.926	-1.1	99	0.00	3.42
22	M	trans-1,2-dichloroethene	0.711	0.695	2.3	99	0.00	3.80
23	M	iodomethane	1.231	1.231	0.0	100	0.00	3.39
24	M	carbon disulfide	2.111	2.179	-3.2	102	0.00	3.59
25	M	propionitrile	0.075	0.072	4.0	94	0.00	4.72
26	M	vinyl acetate	1.202	0.895	25.5#	74	0.00	4.21
27	M	chloroprene	0.963	1.040	-8.0	108	0.00	4.31
28	M	di-isopropyl ether	2.016	1.890	6.3	94	0.00	4.09
29	M	methacrylonitrile	0.402	0.394	2.0	97	0.00	4.93
30	M	2-butanone	0.083	0.085	-2.4	99	0.00	4.64
31		Ethyl Acetate	0.080	0.417	-421.2#	497#	0.00	4.81
32	M	Hexane	0.640	0.659	-3.0	103	0.00	3.85
33	P	1,1-dichloroethane	1.141	1.195	-4.7	107	0.00	4.22

Initial Calibration Verification

Job Number: MC23593 **Sample:** MSG5092-ICV5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130664.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

34	M	tert-butyl ethyl ether	1.935	1.935	0.0	100	0.00	4.51
35	M	isobutyl alcohol	0.022	0.024	-9.1	108	0.00	4.95
36	M	2,2-dichloropropane	0.707	0.723	-2.3	100	0.00	4.79
37	M	cis-1,2-dichloroethene	0.765	0.727	5.0	96	0.00	4.83
38	M	bromochloromethane	0.340	0.359	-5.6	106	0.00	5.18
39	c	chloroform	1.232	1.240	-0.6	103	0.00	5.00
40	S	dibromofluoromethane (s)	0.693	0.732	-5.6	104	0.00	5.23
41	M	Tetrahydrofuran	0.138	0.143	-3.6	103	0.00	5.22
42	M	1,1,1-trichloroethane	1.038	1.076	-3.7	104	0.00	5.43
43	I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	6.19
44	M	Cyclohexane	0.727	0.715	1.7	98	0.00	5.45
45	M	carbon tetrachloride	0.630	0.663	-5.2	105	0.00	5.71
46	M	1,1-dichloropropene	0.641	0.634	1.1	98	0.00	5.59
47	M	benzene	1.870	1.698	9.2	97	0.00	5.89
48	M	1,2-dichloroethane	0.637	0.581	8.8	93	0.00	5.87
49	M	tert-amyl methyl ether	1.150	1.154	-0.3	99	0.00	5.72
50	M	heptane	0.875	0.842	3.8	95	0.00	5.74
51	M	trichloroethene	0.530	0.473	10.8	93	0.00	6.56
52	c	1,2-dichloropropane	0.446	0.414	7.2	95	0.00	6.76
53	M	dibromomethane	0.255	0.272	-6.7	106	0.00	7.08
54	M	bromodichloromethane	0.569	0.557	2.1	98	0.00	7.02
55	M	Methylcyclohexane	0.738	0.751	-1.8	102	0.00	6.63
		----------	Amount	Calc.	%Drift		----------	
56	M	2-chloroethyl vinyl ether	50.000	45.001	10.0	92	0.00	7.35
		----------	AvgRF	CCRF	%Dev		----------	
57	M	methyl methacrylate	0.245	0.240	2.0	98	0.00	6.82
58	M	1,4-dioxane	0.004	0.004	0.0	98	0.00	7.05
59	M	cis-1,3-dichloropropene	0.730	0.686	6.0	92	0.00	7.61
60	S	toluene-d8 (s)	1.693	1.744	-3.0	104	0.00	7.88
61	M	4-methyl-2-pentanone	0.341	0.324	5.0	94	0.00	7.38
62	c	toluene	1.115	1.104	1.0	98	0.00	7.97
63	M	trans-1,3-dichloropropene	0.625	0.633	-1.3	99	0.00	8.16
64	M	1,1,2-trichloroethane	0.330	0.309	6.4	96	0.00	8.34
65	M	ethyl methacrylate	0.452	0.466	-3.1	101	0.00	8.15
66	I	chlorobenzene-d5	1.000	1.000	0.0	102	0.00	9.54
67	M	tetrachloroethene	0.991	1.011	-2.0	108	0.00	8.68
68	M	1,3-dichloropropane	1.297	1.257	3.1	98	0.00	8.61
69	M	dibromochloromethane	0.843	0.841	0.2	99	0.00	8.90
70	M	1,2-dibromoethane	0.812	0.794	2.2	98	0.00	9.12
71	M	2-hexanone	0.501	0.438	12.6	81	0.00	8.34
72	P	chlorobenzene	2.801	2.558	8.7	95	0.00	9.58
73	M	1,1,1,2-tetrachloroethane	0.916	0.911	0.5	99	0.00	9.63
74	c	ethylbenzene	4.512	4.391	2.7	97	0.00	9.64
75	M	m,p-xylene	1.740	1.689	2.9	97	0.00	9.72
76	M	o-xylene	1.689	1.603	5.1	94	0.00	10.20
77	M	styrene	2.701	2.667	1.3	97	0.00	10.24
78	P	bromoform	0.456	0.480	-5.3	108	0.00	10.61
79	M	trans-1,4-dichloro-2-bute	0.263	0.253	3.8	94	0.00	10.64
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	12.16
81	M	isopropylbenzene	4.712	4.563	3.2	95	0.00	10.59
82	S	bromofluorobenzene (s)	1.426	1.467	-2.9	104	0.00	10.87
83	M	bromobenzene	1.184	1.175	0.8	100	0.00	11.08
84	P	1,1,2,2-tetrachloroethane	0.970	0.957	1.3	100	0.00	10.78
85	M	1,2,3-trichloropropane	0.786	0.765	2.7	96	0.00	10.94
86	M	n-propylbenzene	5.540	5.311	4.1	94	0.00	11.03

Initial Calibration Verification

Job Number: MC23593 **Sample:** MSG5092-ICV5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130664.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

87	M	2-chlorotoluene	3.930	3.624	7.8	90	0.00	11.22
88	M	4-chlorotoluene	3.515	3.369	4.2	96	0.00	11.28
89	M	1,3,5-trimethylbenzene	3.968	3.842	3.2	94	0.00	11.20
90	M	tert-butylbenzene	2.703	2.573	4.8	93	0.00	11.60
91	M	1,2,4-trimethylbenzene	4.003	3.885	2.9	95	0.00	11.63
92	M	sec-butylbenzene	4.795	4.579	4.5	93	0.00	11.82
93	M	1,3-dichlorobenzene	2.343	2.148	8.3	94	0.00	12.08
94	M	p-isopropyltoluene	3.726	3.888	-4.3	102	0.00	11.97
95	M	1,4-dichlorobenzene	2.312	2.179	5.8	98	0.00	12.20
96	M	1,2-dichlorobenzene	2.195	2.042	7.0	94	0.00	12.60
97	M	n-butylbenzene	3.530	3.494	1.0	96	0.00	12.42
98	M	1,2-dibromo-3-chloropropa	0.147	0.142	3.4	100	0.00	13.46
99		1,3,5-trichlorobenzene	1.438	1.288	10.4	88	0.00	13.72
		----------	Amount	Calc.	%Drift	----------		
100	M	1,2,4-trichlorobenzene	50.000	47.482	5.0	97	0.00	14.42
		----------	AvgRF	CCRF	%Dev	----------		
101	M	hexachlorobutadiene	0.664	0.677	-2.0	98	0.00	14.57
		----------	Amount	Calc.	%Drift	----------		
102	M	naphthalene	50.000	47.906	4.2	98	0.00	14.71
103		2-Methylnaphthalene	25.000	26.804	-7.2	108	0.00	15.89
104		1-Methylnaphthalene	25.000	25.236	-0.9	115	0.00	16.16
		----------	AvgRF	CCRF	%Dev	----------		
105	M	1,2,3-trichlorobenzene	0.908	0.939	-3.4	97	0.00	14.98

(#) = Out of Range SPCC's out = 0 CCC's out = 1
G130658.D g130820s.m Wed Aug 28 11:40:13 2013

Initial Calibration Verification

Job Number: MC23593 **Sample:** MSG5093-ICV5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130684.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\G130821\G130684.D Vial: 5
Acq On : 21 Aug 2013 10:43 am Operator: jaimem
Sample : cc5092-50 Inst : MSG
Misc : MS29686,MSG5093,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130820s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Aug 21 10:20:56 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	68	-0.02	3.08
2	M	tertiary butyl alcohol	1.419	1.515	-6.8	77	-0.02	3.15
3	T	Ethanol	0.101	0.128	-26.7#	85	-0.02	2.43
4	I	pentafluorobenzene	1.000	1.000	0.0	82	0.00	5.07
5	M	dichlorodifluoromethane	0.778	1.225	-57.5#	134	0.00	1.65
6	P	chloromethane	0.428	0.658	-53.7#	122	0.00	1.84
		----------	Amount	Calc.	%Drift	----------		
7	c	vinyl chloride	50.000	59.694	-19.4	93	0.00	1.92
		----------	AvgRF	CCRF	%Dev	----------		
8	M	bromomethane	0.375	0.511	-36.3#	109	-0.01	2.28
9	M	chloroethane	0.265	0.377	-42.3#	114	0.00	2.34
10	M	ethyl ether	0.475	0.401	15.6	62	0.00	2.78
11	M	acetonitrile	0.914	0.733	19.8	63	0.00	3.41
12	M	trichlorofluoromethane	1.094	1.145	-4.7	81	0.00	2.61
13	M	freon-113	0.761	0.757	0.5	77	0.00	2.93
14	M	acrolein	0.046	0.049	-6.5	87	0.00	2.90
15	c	1,1-dichloroethene	0.667	0.630	5.5	75	0.00	3.09
		----------	Amount	Calc.	%Drift	----------		
16	M	acetone	50.000	44.739	10.5	72	0.00	2.96
		----------	AvgRF	CCRF	%Dev	----------		
17	M	Methyl Acetate	0.657	0.367	44.1#	44#	0.00	3.37
18	M	methylene chloride	0.749	0.614	18.0	67	0.00	3.53
19	M	methyl tert butyl ether	1.853	1.637	11.7	71	0.00	3.66
20	M	acrylonitrile	0.217	0.165	24.0#	60	0.00	3.63
21	M	allyl chloride	0.916	0.733	20.0	63	0.00	3.41
22	M	trans-1,2-dichloroethene	0.711	0.625	12.1	72	0.00	3.80
23	M	iodomethane	1.231	1.173	4.7	77	0.00	3.39
24	M	carbon disulfide	2.111	1.874	11.2	71	0.00	3.59
25	M	propionitrile	0.075	0.058	22.7#	61	0.00	4.72
26	M	vinyl acetate	1.202	0.728	39.4#	48#	0.00	4.21
27	M	chloroprene	0.963	0.943	2.1	79	0.00	4.31
28	M	di-isopropyl ether	2.016	1.526	24.3#	61	0.00	4.09
29	M	methacrylonitrile	0.402	0.321	20.1#	64	0.00	4.93
30	M	2-butanone	0.083	0.099	-19.3	93	0.00	4.64
31		Ethyl Acetate	0.080	0.342	-327.5#	329#	0.00	4.81
32	M	Hexane	0.640	0.597	6.7	75	0.00	3.85
33	P	1,1-dichloroethane	1.141	1.045	8.4	75	0.00	4.22

Initial Calibration Verification

Job Number: MC23593 **Sample:** MSG5093-ICV5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130684.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

34	M	tert-butyl ethyl ether	1.935	1.701	12.1	71	0.00	4.50
35	M	isobutyl alcohol	0.022	0.018	18.2	65	-0.01	4.95
36	M	2,2-dichloropropane	0.707	0.769	-8.8	86	0.00	4.79
37	M	cis-1,2-dichloroethene	0.765	0.669	12.5	71	0.00	4.83
38	M	bromochloromethane	0.340	0.339	0.3	81	0.00	5.18
39	c	chloroform	1.232	1.172	4.9	78	0.00	5.00
40	S	dibromofluoromethane (s)	0.693	0.647	6.6	74	0.00	5.23
41	M	Tetrahydrofuran	0.138	0.109	21.0#	63	0.00	5.22
42	M	1,1,1-trichloroethane	1.038	1.095	-5.5	85	0.00	5.43
43	I	1,4-difluorobenzene	1.000	1.000	0.0	80	0.00	6.19
44	M	Cyclohexane	0.727	0.626	13.9	67	0.00	5.45
45	M	carbon tetrachloride	0.630	0.699	-11.0	86	0.00	5.71
46	M	1,1-dichloropropene	0.641	0.612	4.5	74	0.00	5.60
47	M	benzene	1.870	1.595	14.7	71	0.00	5.89
48	M	1,2-dichloroethane	0.637	0.597	6.3	75	0.00	5.87
49	M	tert-amyl methyl ether	1.150	1.074	6.6	72	0.00	5.72
50	M	heptane	0.875	0.771	11.9	68	0.00	5.74
51	M	trichloroethene	0.530	0.475	10.4	73	0.00	6.56
52	c	1,2-dichloropropane	0.446	0.376	15.7	67	0.00	6.76
53	M	dibromomethane	0.255	0.264	-3.5	80	0.00	7.08
54	M	bromodichloromethane	0.569	0.565	0.7	77	0.00	7.02
55	M	Methylcyclohexane	0.738	0.743	-0.7	79	0.00	6.63
		----------	Amount	Calc.	%Drift	----------		
56	M	2-chloroethyl vinyl ether	50.000	40.775	18.5	61	0.00	7.35
		----------	AvgRF	CCRF	%Dev	----------		
57	M	methyl methacrylate	0.245	0.225	8.2	71	0.00	6.82
58	M	1,4-dioxane	0.004	0.003	25.0#	63	0.00	7.05
59	M	cis-1,3-dichloropropene	0.730	0.713	2.3	75	0.00	7.61
60	S	toluene-d8 (s)	1.693	1.764	-4.2	82	0.00	7.88
61	M	4-methyl-2-pentanone	0.341	0.315	7.6	71	0.00	7.38
62	c	toluene	1.115	1.209	-8.4	84	0.00	7.97
63	M	trans-1,3-dichloropropene	0.625	0.809	-29.4#	98	0.00	8.16
64	M	1,1,2-trichloroethane	0.330	0.410	-24.2#	99	0.00	8.34
65	M	ethyl methacrylate	0.452	0.587	-29.9#	99	0.00	8.15
66	I	chlorobenzene-d5	1.000	1.000	0.0	106	0.00	9.54
67	M	tetrachloroethene	0.991	1.038	-4.7	114	0.00	8.68
68	M	1,3-dichloropropane	1.297	1.257	3.1	102	0.00	8.61
69	M	dibromochloromethane	0.843	0.853	-1.2	104	0.00	8.90
70	M	1,2-dibromoethane	0.812	0.797	1.8	102	0.00	9.12
71	M	2-hexanone	0.501	0.684	-36.5#	131	0.00	8.34
72	P	chlorobenzene	2.801	2.611	6.8	100	0.00	9.58
73	M	1,1,1,2-tetrachloroethane	0.916	0.916	0.0	103	0.00	9.63
74	c	ethylbenzene	4.512	4.502	0.2	103	0.00	9.64
75	M	m,p-xylene	1.740	1.724	0.9	102	0.00	9.72
76	M	o-xylene	1.689	1.650	2.3	100	0.00	10.20
77	M	styrene	2.701	2.703	-0.1	101	0.00	10.24
78	P	bromoform	0.456	0.484	-6.1	113	0.00	10.61
79	M	trans-1,4-dichloro-2-bute	0.263	0.253	3.8	97	0.00	10.64
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	12.16
81	M	isopropylbenzene	4.712	4.706	0.1	100	0.00	10.59
82	S	bromofluorobenzene (s)	1.426	1.380	3.2	100	0.00	10.87
83	M	bromobenzene	1.184	1.173	0.9	102	0.00	11.08
84	P	1,1,2,2-tetrachloroethane	0.970	0.937	3.4	101	0.00	10.78
85	M	1,2,3-trichloropropane	0.786	0.764	2.8	98	0.00	10.94
86	M	n-propylbenzene	5.540	5.478	1.1	100	0.00	11.03

Initial Calibration Verification

Job Number: MC23593 **Sample:** MSG5093-ICV5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130684.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

87	M	2-chlorotoluene	3.930	3.731	5.1	96	0.00	11.22
88	M	4-chlorotoluene	3.515	3.416	2.8	101	0.00	11.28
89	M	1,3,5-trimethylbenzene	3.968	3.934	0.9	99	0.00	11.20
90	M	tert-butylbenzene	2.703	2.623	3.0	97	0.00	11.60
91	M	1,2,4-trimethylbenzene	4.003	3.939	1.6	99	0.00	11.63
92	M	sec-butylbenzene	4.795	4.688	2.2	98	0.00	11.82
93	M	1,3-dichlorobenzene	2.343	2.174	7.2	98	0.00	12.08
94	M	p-isopropyltoluene	3.726	3.994	-7.2	107	0.00	11.97
95	M	1,4-dichlorobenzene	2.312	2.210	4.4	102	0.00	12.20
96	M	1,2-dichlorobenzene	2.195	2.029	7.6	96	0.00	12.60
97	M	n-butylbenzene	3.530	3.597	-1.9	101	0.00	12.42
98	M	1,2-dibromo-3-chloropropa	0.147	0.135	8.2	97	0.00	13.46
99		1,3,5-trichlorobenzene	1.438	1.302	9.5	92	0.00	13.72
		----------	Amount	Calc.	%Drift	----------		
100	M	1,2,4-trichlorobenzene	50.000	47.238	5.5	99	0.00	14.42
		----------	AvgRF	CCRF	%Dev	----------		
101	M	hexachlorobutadiene	0.664	0.684	-3.0	102	0.00	14.57
		----------	Amount	Calc.	%Drift	----------		
102	M	naphthalene	50.000	47.044	5.9	99	0.00	14.71
103		2-Methylnaphthalene	25.000	26.202	-4.8	107	0.00	15.89
104		1-Methylnaphthalene	25.000	23.718	5.1	107	0.00	16.16
		----------	AvgRF	CCRF	%Dev	----------		
105	M	1,2,3-trichlorobenzene	0.908	0.905	0.3	96	0.00	14.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
G130658.D g130820s.m Wed Aug 21 11:14:58 2013

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSG5093-CC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130684.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\G130821\G130684.D Vial: 5
Acq On : 21 Aug 2013 10:43 am Operator: jaimem
Sample : cc5092-50 Inst : MSG
Misc : MS29686,MSG5093,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130820s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Aug 21 10:20:56 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	68	-0.02	3.08
2	M	tertiary butyl alcohol	1.419	1.515	-6.8	77	-0.02	3.15
3	T	Ethanol	0.101	0.128	-26.7#	85	-0.02	2.43
4	I	pentafluorobenzene	1.000	1.000	0.0	82	0.00	5.07
5	M	dichlorodifluoromethane	0.778	1.225	-57.5#	134	0.00	1.65
6	P	chloromethane	0.428	0.658	-53.7#	122	0.00	1.84
		----------	Amount	Calc.	%Drift	----------		
7	c	vinyl chloride	50.000	59.694	-19.4	93	0.00	1.92
		----------	AvgRF	CCRF	%Dev	----------		
8	M	bromomethane	0.375	0.511	-36.3#	109	-0.01	2.28
9	M	chloroethane	0.265	0.377	-42.3#	114	0.00	2.34
10	M	ethyl ether	0.475	0.401	15.6	62	0.00	2.78
11	M	acetonitrile	0.914	0.733	19.8	63	0.00	3.41
12	M	trichlorofluoromethane	1.094	1.145	-4.7	81	0.00	2.61
13	M	freon-113	0.761	0.757	0.5	77	0.00	2.93
14	M	acrolein	0.046	0.049	-6.5	87	0.00	2.90
15	c	1,1-dichloroethene	0.667	0.630	5.5	75	0.00	3.09
		----------	Amount	Calc.	%Drift	----------		
16	M	acetone	50.000	44.739	10.5	72	0.00	2.96
		----------	AvgRF	CCRF	%Dev	----------		
17	M	Methyl Acetate	0.657	0.367	44.1#	44#	0.00	3.37
18	M	methylene chloride	0.749	0.614	18.0	67	0.00	3.53
19	M	methyl tert butyl ether	1.853	1.637	11.7	71	0.00	3.66
20	M	acrylonitrile	0.217	0.165	24.0#	60	0.00	3.63
21	M	allyl chloride	0.916	0.733	20.0	63	0.00	3.41
22	M	trans-1,2-dichloroethene	0.711	0.625	12.1	72	0.00	3.80
23	M	iodomethane	1.231	1.173	4.7	77	0.00	3.39
24	M	carbon disulfide	2.111	1.874	11.2	71	0.00	3.59
25	M	propionitrile	0.075	0.058	22.7#	61	0.00	4.72
26	M	vinyl acetate	1.202	0.728	39.4#	48#	0.00	4.21
27	M	chloroprene	0.963	0.943	2.1	79	0.00	4.31
28	M	di-isopropyl ether	2.016	1.526	24.3#	61	0.00	4.09
29	M	methacrylonitrile	0.402	0.321	20.1#	64	0.00	4.93
30	M	2-butanone	0.083	0.099	-19.3	93	0.00	4.64
31		Ethyl Acetate	0.080	0.342	-327.5#	329#	0.00	4.81
32	M	Hexane	0.640	0.597	6.7	75	0.00	3.85
33	P	1,1-dichloroethane	1.141	1.045	8.4	75	0.00	4.22

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSG5093-CC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130684.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

34	M	tert-butyl ethyl ether	1.935	1.701	12.1	71	0.00	4.50
35	M	isobutyl alcohol	0.022	0.018	18.2	65	-0.01	4.95
36	M	2,2-dichloropropane	0.707	0.769	-8.8	86	0.00	4.79
37	M	cis-1,2-dichloroethene	0.765	0.669	12.5	71	0.00	4.83
38	M	bromochloromethane	0.340	0.339	0.3	81	0.00	5.18
39	c	chloroform	1.232	1.172	4.9	78	0.00	5.00
40	S	dibromofluoromethane (s)	0.693	0.647	6.6	74	0.00	5.23
41	M	Tetrahydrofuran	0.138	0.109	21.0#	63	0.00	5.22
42	M	1,1,1-trichloroethane	1.038	1.095	-5.5	85	0.00	5.43
43	I	1,4-difluorobenzene	1.000	1.000	0.0	80	0.00	6.19
44	M	Cyclohexane	0.727	0.626	13.9	67	0.00	5.45
45	M	carbon tetrachloride	0.630	0.699	-11.0	86	0.00	5.71
46	M	1,1-dichloropropene	0.641	0.612	4.5	74	0.00	5.60
47	M	benzene	1.870	1.595	14.7	71	0.00	5.89
48	M	1,2-dichloroethane	0.637	0.597	6.3	75	0.00	5.87
49	M	tert-amyl methyl ether	1.150	1.074	6.6	72	0.00	5.72
50	M	heptane	0.875	0.771	11.9	68	0.00	5.74
51	M	trichloroethene	0.530	0.475	10.4	73	0.00	6.56
52	c	1,2-dichloropropane	0.446	0.376	15.7	67	0.00	6.76
53	M	dibromomethane	0.255	0.264	-3.5	80	0.00	7.08
54	M	bromodichloromethane	0.569	0.565	0.7	77	0.00	7.02
55	M	Methylcyclohexane	0.738	0.743	-0.7	79	0.00	6.63
		----------	Amount	Calc.	%Drift			
56	M	2-chloroethyl vinyl ether	50.000	40.775	18.5	61	0.00	7.35
		----------	AvgRF	CCRF	%Dev			
57	M	methyl methacrylate	0.245	0.225	8.2	71	0.00	6.82
58	M	1,4-dioxane	0.004	0.003	25.0#	63	0.00	7.05
59	M	cis-1,3-dichloropropene	0.730	0.713	2.3	75	0.00	7.61
60	S	toluene-d8 (s)	1.693	1.764	-4.2	82	0.00	7.88
61	M	4-methyl-2-pentanone	0.341	0.315	7.6	71	0.00	7.38
62	c	toluene	1.115	1.209	-8.4	84	0.00	7.97
63	M	trans-1,3-dichloropropene	0.625	0.809	-29.4#	98	0.00	8.16
64	M	1,1,2-trichloroethane	0.330	0.410	-24.2#	99	0.00	8.34
65	M	ethyl methacrylate	0.452	0.587	-29.9#	99	0.00	8.15
66	I	chlorobenzene-d5	1.000	1.000	0.0	106	0.00	9.54
67	M	tetrachloroethene	0.991	1.038	-4.7	114	0.00	8.68
68	M	1,3-dichloropropane	1.297	1.257	3.1	102	0.00	8.61
69	M	dibromochloromethane	0.843	0.853	-1.2	104	0.00	8.90
70	M	1,2-dibromoethane	0.812	0.797	1.8	102	0.00	9.12
71	M	2-hexanone	0.501	0.684	-36.5#	131	0.00	8.34
72	P	chlorobenzene	2.801	2.611	6.8	100	0.00	9.58
73	M	1,1,1,2-tetrachloroethane	0.916	0.916	0.0	103	0.00	9.63
74	c	ethylbenzene	4.512	4.502	0.2	103	0.00	9.64
75	M	m,p-xylene	1.740	1.724	0.9	102	0.00	9.72
76	M	o-xylene	1.689	1.650	2.3	100	0.00	10.20
77	M	styrene	2.701	2.703	-0.1	101	0.00	10.24
78	P	bromoform	0.456	0.484	-6.1	113	0.00	10.61
79	M	trans-1,4-dichloro-2-bute	0.263	0.253	3.8	97	0.00	10.64
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	12.16
81	M	isopropylbenzene	4.712	4.706	0.1	100	0.00	10.59
82	S	bromofluorobenzene (s)	1.426	1.380	3.2	100	0.00	10.87
83	M	bromobenzene	1.184	1.173	0.9	102	0.00	11.08
84	P	1,1,2,2-tetrachloroethane	0.970	0.937	3.4	101	0.00	10.78
85	M	1,2,3-trichloropropane	0.786	0.764	2.8	98	0.00	10.94
86	M	n-propylbenzene	5.540	5.478	1.1	100	0.00	11.03

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSG5093-CC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130684.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

87	M	2-chlorotoluene	3.930	3.731	5.1	96	0.00	11.22
88	M	4-chlorotoluene	3.515	3.416	2.8	101	0.00	11.28
89	M	1,3,5-trimethylbenzene	3.968	3.934	0.9	99	0.00	11.20
90	M	tert-butylbenzene	2.703	2.623	3.0	97	0.00	11.60
91	M	1,2,4-trimethylbenzene	4.003	3.939	1.6	99	0.00	11.63
92	M	sec-butylbenzene	4.795	4.688	2.2	98	0.00	11.82
93	M	1,3-dichlorobenzene	2.343	2.174	7.2	98	0.00	12.08
94	M	p-isopropyltoluene	3.726	3.994	-7.2	107	0.00	11.97
95	M	1,4-dichlorobenzene	2.312	2.210	4.4	102	0.00	12.20
96	M	1,2-dichlorobenzene	2.195	2.029	7.6	96	0.00	12.60
97	M	n-butylbenzene	3.530	3.597	-1.9	101	0.00	12.42
98	M	1,2-dibromo-3-chloropropa	0.147	0.135	8.2	97	0.00	13.46
99		1,3,5-trichlorobenzene	1.438	1.302	9.5	92	0.00	13.72
		----------	Amount	Calc.	%Drift	----------		
100	M	1,2,4-trichlorobenzene	50.000	47.238	5.5	99	0.00	14.42
		----------	AvgRF	CCRF	%Dev	----------		
101	M	hexachlorobutadiene	0.664	0.684	-3.0	102	0.00	14.57
		----------	Amount	Calc.	%Drift	----------		
102	M	naphthalene	50.000	47.044	5.9	99	0.00	14.71
103		2-Methylnaphthalene	25.000	26.202	-4.8	107	0.00	15.89
104		1-Methylnaphthalene	25.000	23.718	5.1	107	0.00	16.16
		----------	AvgRF	CCRF	%Dev	----------		
105	M	1,2,3-trichlorobenzene	0.908	0.905	0.3	96	0.00	14.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
G130658.D g130820s.m Wed Aug 21 11:14:58 2013

Initial Calibration Summary

Job Number: MC23593 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report MSP

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Calibration Files
0.5 =p70800.D 400 =p70808.D 2 =p70801.D 5 =p70802.D
50 =p70805.D 20 =p70804.D 200 =p70807.D 100 =p70806.D
= =

Compound	0.5	400	2	5	50	20	200	100	Avg	%RSD
1) tert butyl alcohol-d9 ----------ISTD----------										
2) tertiary butyl alcohol	1.046	1.260	1.114	1.191	1.116	1.103	0.981		1.116	8.14
3) Ethanol	0.135	0.111	0.187	0.161	0.144	0.148	0.135		0.146	16.13
----- Linear regression ----- Coefficient = 0.9977										
Response Ratio = 0.10159 + 0.13602 *A										
4) I pentafluorobenzene ----------ISTD----------										
5) dichlorodifluoromethane	0.391	0.431	0.405	0.437	0.400	0.433	0.373		0.410	5.90
6) chloromethane	0.479	0.475	0.440	0.394	0.380	0.488	0.344		0.429	13.15
7) vinyl chloride	0.477	0.730	0.632	0.571	0.527	0.554	0.497		0.570	15.27
8) bromomethane	0.226	0.187	0.135	0.178	0.132	0.227	0.179		0.181	21.11
----- Linear regression ----- Coefficient = 0.9973										
Response Ratio = -0.03485 + 0.22981 *A										
9) chloroethane	0.215	0.270	0.255	0.227	0.220	0.231	0.201		0.231	10.35
10) ethyl ether	0.291	0.286	0.289	0.308	0.281	0.312	0.253		0.289	6.77
11) acetonitrile	0.050	0.364	0.345	0.209	0.211	0.087	0.138		0.201	60.10
12) trichlorofluoromethane	0.802	0.995	0.949	0.954	0.922	0.887	0.782		0.899	8.92
13) freon-113	0.424	0.449	0.469	0.419	0.406	0.407	0.353		0.418	8.83
14) acrolein	0.027	0.047	0.029	0.028	0.030	0.028	0.022		0.030	26.69
----- Linear regression ----- Coefficient = 0.9969										
Response Ratio = -0.00161 + 0.02672 *A										
15) 1,1-dichloroethene	0.303	0.400	0.318	0.331	0.316	0.320	0.278		0.324	11.69
16) acetone	0.048	0.141	0.076	0.063	0.072	0.054	0.048		0.072	45.37
----- Linear regression ----- Coefficient = 0.9962										
Response Ratio = 0.00798 + 0.04786 *A										
17) Methyl Acetate										

```
                0.513 0.545 0.517 0.470 0.467 0.466 0.365          0.478    12.16
18)  methylene chloride
                0.396 0.616 0.498 0.406 0.397 0.400 0.335          0.435    21.32
             ----- Linear regression -----  Coefficient =  0.9982
               Response Ratio = -0.01128 + 0.39637 *A

19)  methyl tert butyl ether
                0.911 0.858 0.662 0.842 0.801 0.917 0.686          0.811    12.56
20)  acrylonitrile
                0.122 0.147 0.149 0.126 0.126 0.128 0.102          0.129    12.36
21)  allyl chloride
                0.536 0.530 0.577 0.586 0.547 0.477 0.492          0.535     7.52
22)  trans-1,2-dichloroethene
                0.445 0.483 0.445 0.460 0.423 0.466 0.394          0.445     6.63
23)  iodomethane
                0.331 0.192 0.128 0.301 0.245 0.338 0.284          0.260    29.72
             ----- Linear regression -----  Coefficient =  0.9986
               Response Ratio = -0.03173 + 0.33518 *A

24)  carbon disulfide
                1.368 0.951 0.983 0.943 0.791 1.353 0.995          1.055    20.80
             ----- Linear regression -----  Coefficient =  0.9955
               Response Ratio = -0.26545 + 1.39018 *A

25)  propionitrile
                0.067 0.049 0.047 0.068 0.063 0.071 0.053          0.060    16.05
             ----- Linear regression -----  Coefficient =  0.9957
               Response Ratio = -0.00360 + 0.06753 *A

26)  vinyl acetate
                0.750 0.669 0.542 0.689 0.618 0.766 0.565          0.657    13.14
27)  chloroprene
                0.889 0.879 0.870 0.982 0.931 0.980 0.844          0.911     6.02
28)  di-isopropyl ether
                1.619 1.827 1.759 1.870 1.755 1.831 1.549          1.744     6.79
29)  methacrylonitrile
                0.311 0.298 0.239 0.333 0.281 0.341 0.269          0.296    12.19
30)  2-butanone
                0.066 0.036 0.046 0.069 0.053 0.075 0.060          0.058    23.84
             ----- Linear regression -----  Coefficient =  0.9949
               Response Ratio = -0.00115 + 0.06793 *A

31)  Hexane
                0.878 1.150 1.030 1.056 0.990 1.002 0.870          0.997     9.88
32)  1,1-dichloroethane
                0.854 0.972 0.902 0.931 0.894 0.934 0.791          0.897     6.65
33)  tert-butyl ethyl ether
                0.795 0.594 0.494 0.588 0.596 0.768 0.508          0.621    18.96
             ----- Linear regression -----  Coefficient =  0.9926
               Response Ratio = -0.16218 + 0.80351 *A

34)  isobutyl alcohol
                0.302 0.327 0.323 0.357 0.337 0.343 0.292          0.326     7.04
35)  2,2-dichloropropane
                0.763 0.206 0.236 0.507 0.458 0.768 0.517          0.493    45.27
             ----- Linear regression -----  Coefficient =  0.9939
               Response Ratio = -0.16899 + 0.77954 *A

36)  cis-1,2-dichloroethene
                0.499 0.553 0.481 0.521 0.484 0.537 0.448          0.503     7.22
```

Initial Calibration Summary

Job Number: MC23593 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
37)  ethyl acetate
                0.035       0.065 0.037 0.044 0.038 0.030         0.041    29.83
             ----- Linear regression -----  Coefficient =  0.9961
               Response Ratio = 0.00153 + 0.03489 *A

38)  bromochloromethane
                0.166 0.200 0.169 0.199 0.181 0.189 0.160         0.181     8.83
39)  chloroform
                0.926 0.988 0.994 1.030 0.975 1.023 0.868         0.972     5.90
40)  dibromofluoromethane (s)
                0.503 0.456 0.463 0.518 0.475 0.490 0.618         0.503    10.98
41)  Tetrahydrofuran
                0.155 0.187 0.148 0.153 0.133 0.162 0.122         0.152    13.72
42)  1,1,1-trichloroethane
                0.883 0.851 0.830 0.949 0.879 0.962 0.808         0.880     6.57

43) I   1,4-difluorobenzene   ----------------ISTD---------------------
44)  Cyclohexane
                0.671 0.742 0.712 0.743 0.714 0.723 0.623         0.704     6.10
45)  carbon tetrachloride
                0.530 0.476 0.470 0.572 0.517 0.580 0.490         0.519     8.55
46)  1,1-dichloropropene
                0.544 0.589 0.566 0.601 0.573 0.587 0.497         0.565     6.28
47)  benzene
              2.795 1.378 1.739 1.629 1.505 1.463 1.498 1.274     1.660    28.91
             ----- Linear regression -----  Coefficient =  0.9976
               Response Ratio = 0.03587 + 1.39089 *A

48)  1,2-dichloroethane
                0.589 0.672 0.645 0.677 0.630 0.661 0.545         0.631     7.64
49)  tert-amyl methyl ether
                0.409 0.390 0.294 0.309 0.337 0.400 0.267         0.344    16.45
             ----- Linear regression -----  Coefficient =  0.9929
               Response Ratio = -0.07439 + 0.41297 *A

50)  heptane
                0.611 0.734 0.658 0.699 0.671 0.688 0.580         0.663     7.94
51)  trichloroethene
              0.625 0.407 0.420 0.452 0.439 0.406 0.448 0.385     0.448    16.80
             ----- Linear regression -----  Coefficient =  0.9973
               Response Ratio = 0.00945 + 0.41256 *A

52)  1,2-dichloropropane
                0.376 0.444 0.382 0.403 0.389 0.413 0.343         0.393     8.10
53)  dibromomethane
                0.198 0.206 0.195 0.218 0.196 0.217 0.175         0.201     7.31
54)  bromodichloromethane
                0.563 0.457 0.461 0.570 0.488 0.617 0.501         0.522    11.71
55)  Methylcyclohexane
                0.645 0.682 0.643 0.692 0.649 0.696 0.589         0.656     5.72
56)  2-chloroethyl vinyl ether
                0.007       0.012 0.009 0.009 0.008 0.007         0.009    19.09
             ----- Linear regression -----  Coefficient =  0.9957
               Response Ratio = 0.00119 + 0.00710 *A

57)  methyl methacrylate
                0.235 0.208 0.157 0.235 0.207 0.250 0.195         0.212    14.76
58)  1,4-dioxane
                0.003       0.002 0.003 0.003 0.004 0.003         0.003    19.80
             ----- Linear regression -----  Coefficient =  0.9961
```

```
              Response Ratio = -0.00106 + 0.00341 *A

59)  cis-1,3-dichloropropene
                  0.643 0.498 0.484 0.649 0.562 0.699 0.558         0.585   13.91
60)  toluene-d8 (s)
                  1.335 1.372 1.286 1.423 1.302 1.318 1.659         1.385    9.34
61)  4-methyl-2-pentanone
                  0.375 0.341 0.298 0.394 0.364 0.399 0.312         0.355   11.07
62)  toluene
                  0.875 0.871 0.892 0.967 0.917 0.959 0.813         0.899    5.98
63)  trans-1,3-dichloropropene
                  0.564 0.387 0.381 0.535 0.463 0.604 0.462         0.485   17.70
             ----- Linear regression -----  Coefficient =  0.9963
               Response Ratio = -0.04126 + 0.57374 *A

64)  1,1,2-trichloroethane
                  0.264 0.255 0.250 0.294 0.260 0.296 0.241         0.266    7.96
65)  ethyl methacrylate
                  0.433 0.313 0.327 0.446 0.398 0.471 0.371         0.394   15.30
             ----- Linear regression -----  Coefficient =  0.9963
               Response Ratio = -0.01348 + 0.43982 *A


66) I   chlorobenzene-d5      ----------------ISTD--------------------
67)  tetrachloroethene
           0.859 0.613 0.678 0.647 0.640 0.626 0.646 0.556         0.658   13.44
68)  1,3-dichloropropane
                  0.907 0.959 0.902 0.963 0.906 0.959 0.808         0.915    5.96
69)  dibromochloromethane
                  0.646 0.401 0.399 0.584 0.478 0.658 0.522         0.527   20.38
             ----- Linear regression -----  Coefficient =  0.9977
               Response Ratio = -0.06998 + 0.65405 *A

70)  1,2-dibromoethane
                  0.572 0.518 0.499 0.559 0.513 0.594 0.475         0.533    8.02
71)  2-hexanone
                  0.495 0.546 0.392 0.469 0.449 0.501 0.406         0.465   11.75
72)  chlorobenzene
                  1.669 1.756 1.700 1.680 1.642 1.748 1.479         1.668    5.57
73)  1,1,1,2-tetrachloroethane
                  0.599 0.528 0.504 0.598 0.546 0.625 0.519         0.560    8.39
74)  ethylbenzene
                  2.918 3.368 3.153 3.188 3.095 3.293 2.829         3.121    6.18
75)  m,p-xylene
                  1.113 1.210 1.150 1.193 1.161 1.193 1.036         1.151    5.24
76)  o-xylene
                  1.126 1.131 1.159 1.194 1.145 1.201 1.038         1.142    4.76
77)  styrene
                  1.815 1.531 1.567 1.833 1.646 1.905 1.640         1.705    8.48
78)  bromoform
                  0.429 0.221 0.208 0.328 0.252 0.418 0.302         0.308   28.94
             ----- Linear regression -----  Coefficient =  0.9953
               Response Ratio = -0.08394 + 0.43445 *A

79)  trans-1,4-dichloro-2-butene
                  0.177 0.060 0.066 0.122 0.103 0.166 0.112         0.115   38.81
             ----- Linear regression -----  Coefficient =  0.9929
               Response Ratio = -0.04339 + 0.17889 *A
```

Initial Calibration Summary

Job Number: MC23593 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
 80) I   1,4-dichlorobenzene-d ----------------ISTD--------------------
 81)  isopropylbenzene
                3.505 4.796 4.255 4.520 4.293 4.089 3.731         4.170   10.62
 82)  bromofluorobenzene (s)
                1.159 1.459 1.195 1.256 1.142 1.084 1.494         1.256   12.75
 83)  bromobenzene
                0.855 0.918 0.883 0.949 0.879 0.901 0.792         0.883    5.68
 84)  1,1,2,2-tetrachloroethane
                0.840 0.933 0.813 0.957 0.868 0.879 0.752         0.863    8.10
 85)  1,2,3-trichloropropane
                0.973 0.915 0.778 0.983 0.875 0.980 0.792         0.899    9.73
 86)  n-propylbenzene
                3.717 5.304 4.836 5.152 4.847 4.769 4.311         4.705   11.42
 87)  2-chlorotoluene
                2.809 3.269 3.128 3.187 3.015 2.974 2.655         3.005    7.18
 88)  4-chlorotoluene
                2.834 3.298 3.007 3.237 2.968 3.038 2.688         3.010    7.07
 89)  1,3,5-trimethylbenzene
                3.150 3.713 3.574 3.739 3.499 3.517 3.148         3.477    6.96
 90)  tert-butylbenzene
                2.096 2.618 2.377 2.424 2.303 2.245 2.032         2.299    8.67
 91)  1,2,4-trimethylbenzene
                3.124 3.462 3.377 3.621 3.360 3.461 3.072         3.354    5.80
 92)  sec-butylbenzene
                3.663 4.579 4.487 4.798 4.461 4.520 4.043         4.364    8.76
 93)  1,3-dichlorobenzene
                1.627 1.685 1.650 1.769 1.624 1.731 1.503         1.656    5.21
 94)  p-isopropyltoluene
                2.896 3.203 3.065 3.346 3.147 3.174 2.841         3.096    5.73
 95)  1,4-dichlorobenzene
                1.473 1.728 1.657 1.677 1.588 1.603 1.435         1.595    6.72
 96)  1,2-dichlorobenzene
                1.554 1.589 1.497 1.645 1.510 1.659 1.425         1.554    5.40
 97)  n-butylbenzene
                3.141 2.707 2.837 3.548 3.232 3.582 3.113         3.166   10.36
 98)  1,2-dibromo-3-chloropropane
                0.204 0.154 0.120 0.176 0.143 0.207 0.159         0.166   19.14
              ----- Linear regression -----  Coefficient =  0.9971
                Response Ratio = -0.02636 + 0.20674 *A

 99)  1,3,5-trichlorobenzene
                1.189 1.069 1.088 1.244 1.129 1.279 1.119         1.160    6.88
100)  1,2,4-trichlorobenzene
                1.151 0.597 0.714 1.123 0.950 1.223 1.041         0.971   24.16
              ----- Linear regression -----  Coefficient =  0.9982
                Response Ratio = -0.05384 + 1.16841 *A

101)  hexachlorobutadiene
                0.842 0.903 0.835 0.835 0.774 0.911 0.785         0.841    6.22
102)  naphthalene
                2.262 0.950 0.791 1.769 1.226 2.319 1.799         1.588   38.46
              ----- Linear regression -----  Coefficient =  0.9972
                Response Ratio = -0.36278 + 2.30919 *A

103)  1,2,3-trichlorobenzene
                1.057 0.530 0.566 0.974 0.792 1.115 0.937         0.853   27.19
              ----- Linear regression -----  Coefficient =  0.9982
                Response Ratio = -0.07848 + 1.07527 *A

104)  2-Methylnaphthalene
```

Initial Calibration Summary

Job Number: MC23593 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
                  0.683 0.601 0.557 0.561 0.552 0.561 0.483         0.571   10.63
105)  1-Methylnaphthalene
                        0.601 0.549 0.495 0.502 0.538 0.422         0.518   11.65
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           P130805S.M        Tue Aug 06 12:43:18 2013
```

Initial Calibration Verification

Job Number: MC23593 **Sample:** MSP2318-ICV2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70811.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\P130805\p70811.D Vial: 17
Acq On : 5 Aug 2013 7:10 pm Operator: krystend
Sample : ICV2318-50 Inst : MSP
Misc : ms29498,msp2318,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 06 12:41:53 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	tert butyl alcohol-d9	1.000	1.000	0.0	107	0.00	6.08
2	tertiary butyl alcohol	1.116	1.232	-10.4	111	0.00	6.16
		True	Calc.	% Drift			
3 T	Ethanol	5000.000	5125.722	-2.5	100	0.00	4.98
		AvgRF	CCRF	% Dev			
4 I	pentafluorobenzene	1.000	1.000	0.0	113	0.00	8.45
5 M	dichlorodifluoromethane	0.410	0.447	-9.0	116	0.00	4.15
6 P	chloromethane	0.429	0.538	-25.4#	155	0.00	4.10
7 c	vinyl chloride	0.570	0.469	17.7	93	0.00	4.33
		True	Calc.	% Drift			
8 M	bromomethane	50.000	55.674	-11.3	140	0.00	4.80
		AvgRF	CCRF	% Dev			
9 M	chloroethane	0.231	0.258	-11.7	129	0.00	4.95
10 M	ethyl ether	0.289	0.310	-7.3	114	0.00	5.81
11 M	acetonitrile	0.201	0.203	-1.0	110	0.00	5.47
12 M	trichlorofluoromethane	0.899	0.881	2.0	105	0.00	5.57
13 M	freon-113	0.418	0.447	-6.9	121	0.00	6.31
		True	Calc.	% Drift			
14 M	acrolein	250.000	465.528	-86.2#	201	0.00	5.57
		AvgRF	CCRF	% Dev			
15 c	1,1-dichloroethene	0.324	0.369	-13.9	126	0.00	6.13
		True	Calc.	% Drift			
16 M	acetone	50.000	40.569	18.9	84	0.00	5.69
		AvgRF	CCRF	% Dev			
17 M	Methyl Acetate	0.478	0.373	22.0#	90	0.00	6.32
		True	Calc.	% Drift			
18 M	methylene chloride	50.000	54.832	-9.7	118	0.00	6.28
		AvgRF	CCRF	% Dev			
19 M	methyl tert butyl ether	0.811	0.886	-9.2	119	0.00	7.05
20 M	acrylonitrile	0.129	0.125	3.1	113	0.00	6.19
21 M	allyl chloride	0.535	0.750	-40.2#	145	0.00	6.37

Initial Calibration Verification

Job Number: MC23593 **Sample:** MSP2318-ICV2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70811.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

22	M	trans-1,2-dichloroethene	0.445	0.499	-12.1	123	0.00	6.95
			True	Calc.	% Drift			
23	M	iodomethane	50.000	47.831	4.3	109	0.00	6.18
24	M	carbon disulfide	50.000	59.935	-19.9	168	0.00	6.54
25	M	propionitrile	50.000	50.093	-0.2	107	0.00	7.23
			AvgRF	CCRF	% Dev			
26	M	vinyl acetate	0.657	0.541	17.7	89	0.00	7.31
27	M	chloroprene	0.911	1.094	-20.1#	126	0.00	7.56
28	M	di-isopropyl ether	1.744	1.857	-6.5	112	0.00	7.61
29	M	methacrylonitrile	0.296	0.305	-3.0	104	0.00	7.72
			True	Calc.	% Drift			
30	M	2-butanone	50.000	48.893	2.2	107	0.00	7.62
			AvgRF	CCRF	% Dev			
31	M	Hexane	0.997	1.054	-5.7	113	0.00	7.58
32	P	1,1-dichloroethane	0.897	1.068	-19.1	130	0.00	7.20
			True	Calc.	% Drift			
33	M	tert-butyl ethyl ether	50.000	50.579	-1.2	125	0.00	8.00
			AvgRF	CCRF	% Dev			
34	M	isobutyl alcohol	0.326	0.346	-6.1	110	0.00	7.61
			True	Calc.	% Drift			
35	M	2,2-dichloropropane	50.000	49.010	2.0	133	0.00	8.05
			AvgRF	CCRF	% Dev			
36	M	cis-1,2-dichloroethene	0.503	0.543	-8.0	118	0.00	7.76
			True	Calc.	% Drift			
37		ethyl acetate	50.000	53.835	-7.7	121	0.00	8.29
			AvgRF	CCRF	% Dev			
38	M	bromochloromethane	0.181	0.224	-23.8#	128	0.00	7.93
39	c	chloroform	0.972	1.120	-15.2	123	0.00	7.96
40	S	dibromofluoromethane (s)	0.503	0.497	1.2	109	0.00	8.09
41	M	Tetrahydrofuran	0.152	0.153	-0.7	113	0.00	8.29
42	M	1,1,1-trichloroethane	0.880	1.030	-17.0	123	0.00	8.71
43	I	1,4-difluorobenzene	1.000	1.000	0.0	112	0.00	9.30
44	M	Cyclohexane	0.704	0.740	-5.1	112	0.00	8.98
45	M	carbon tetrachloride	0.519	0.624	-20.2#	122	0.00	9.06
46	M	1,1-dichloropropene	0.565	0.621	-9.9	116	0.00	8.88
			True	Calc.	% Drift			
47	M	benzene	50.000	56.322	-12.6	119	0.00	9.10
			AvgRF	CCRF	% Dev			
48	M	1,2-dichloroethane	0.631	0.655	-3.8	108	0.00	8.61
			True	Calc.	% Drift			
49	M	tert-amyl methyl ether	50.000	51.998	-4.0	129	0.00	9.23
			AvgRF	CCRF	% Dev			
50	M	heptane	0.663	0.703	-6.0	113	0.00	9.58
			True	Calc.	% Drift			

Initial Calibration Verification

Job Number: MC23593 **Sample:** MSP2318-ICV2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70811.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

51	M	trichloroethene	50.000	55.114	-10.2	118	0.00	9.72
			AvgRF	CCRF	% Dev			
52	c	1,2-dichloropropane	0.393	0.424	-7.9	118	0.00	9.68
53	M	dibromomethane	0.201	0.238	-18.4	122	0.00	9.66
54	M	bromodichloromethane	0.522	0.598	-14.6	117	0.00	9.77
55	M	Methylcyclohexane	0.656	0.739	-12.7	120	0.00	10.23
			True	Calc.	% Drift			
56	M	2-chloroethyl vinyl ether	50.000	54.488	-9.0	109	0.00	10.22
			AvgRF	CCRF	% Dev			
57	M	methyl methacrylate	0.212	0.242	-14.2	116	0.00	9.88
			True	Calc.	% Drift			
58	M	1,4-dioxane	250.000	246.274	1.5	103	0.00	9.88
			AvgRF	CCRF	% Dev			
59	M	cis-1,3-dichloropropene	0.585	0.635	-8.5	110	0.00	10.39
60	S	toluene-d8 (s)	1.385	1.379	0.4	108	0.00	11.09
61	M	4-methyl-2-pentanone	0.355	0.392	-10.4	111	0.00	10.50
62	c	toluene	0.899	1.020	-13.5	118	0.00	11.16
			True	Calc.	% Drift			
63	M	trans-1,3-dichloropropene	50.000	51.411	-2.8	115	0.00	10.81
			AvgRF	CCRF	% Dev			
64	M	1,1,2-trichloroethane	0.266	0.284	-6.8	108	0.00	10.98
			True	Calc.	% Drift			
65	M	ethyl methacrylate	50.000	52.644	-5.3	113	0.00	11.20
			AvgRF	CCRF	% Dev			
66	I	chlorobenzene-d5	1.000	1.000	0.0	110	0.00	12.55
67	M	tetrachloroethene	0.658	0.729	-10.8	125	0.00	11.90
68	M	1,3-dichloropropane	0.915	0.974	-6.4	111	0.00	11.22
			True	Calc.	% Drift			
69	M	dibromochloromethane	50.000	51.755	-3.5	114	0.00	11.50
			AvgRF	CCRF	% Dev			
70	M	1,2-dibromoethane	0.533	0.574	-7.7	113	0.00	11.75
71	M	2-hexanone	0.465	0.456	1.9	107	0.00	11.36
72	P	chlorobenzene	1.668	1.702	-2.0	111	0.00	12.58
73	M	1,1,1,2-tetrachloroethane	0.560	0.614	-9.6	113	0.00	12.50
74	c	ethylbenzene	3.121	3.316	-6.2	114	0.00	12.75
75	M	m,p-xylene	1.151	1.219	-5.9	112	0.00	12.94
76	M	o-xylene	1.142	1.185	-3.8	109	0.00	13.35
77	M	styrene	1.705	1.857	-8.9	111	0.00	13.28
			True	Calc.	% Drift			
78	P	bromoform	50.000	51.256	-2.5	121	0.00	13.10
79	M	trans-1,4-dichloro-2-bute	50.000	46.766	6.5	111	0.00	13.51
			AvgRF	CCRF	% Dev			
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	109	0.00	15.10
81	M	isopropylbenzene	4.170	4.500	-7.9	109	0.00	13.72
82	S	bromofluorobenzene (s)	1.256	1.180	6.1	103	0.00	13.77

Initial Calibration Verification

Job Number: MC23593 **Sample:** MSP2318-ICV2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70811.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

83	M	bromobenzene	0.883	0.973	-10.2	112	0.00	13.99
84	P	1,1,2,2-tetrachloroethane	0.863	0.966	-11.9	110	0.00	13.36
85	M	1,2,3-trichloropropane	0.899	0.985	-9.6	109	0.00	13.51
86	M	n-propylbenzene	4.705	4.969	-5.6	105	0.00	14.16
87	M	2-chlorotoluene	3.005	3.034	-1.0	104	0.00	14.28
88	M	4-chlorotoluene	3.010	3.155	-4.8	107	0.00	14.35
89	M	1,3,5-trimethylbenzene	3.477	3.670	-5.6	107	0.00	14.44
90	M	tert-butylbenzene	2.299	2.352	-2.3	106	0.00	14.74
91	M	1,2,4-trimethylbenzene	3.354	3.553	-5.9	107	0.00	14.85
92	M	sec-butylbenzene	4.364	4.710	-7.9	107	0.00	14.97
93	M	1,3-dichlorobenzene	1.656	1.680	-1.4	104	0.00	15.06
94	M	p-isopropyltoluene	3.096	3.533	-14.1	115	0.00	15.15
95	M	1,4-dichlorobenzene	1.595	1.710	-7.2	111	0.00	15.13
96	M	1,2-dichlorobenzene	1.554	1.595	-2.6	106	0.00	15.50
97	M	n-butylbenzene	3.166	3.519	-11.1	108	0.00	15.56
			True	Calc.	% Drift			
98	M	1,2-dibromo-3-chloropropa	50.000	48.186	3.6	108	0.00	15.98
			AvgRF	CCRF	% Dev			
99		1,3,5-trichlorobenzene	1.160	1.314	-13.3	115	0.00	16.80
			True	Calc.	% Drift			
100	M	1,2,4-trichlorobenzene	50.000	50.339	-0.7	109	0.00	17.33
			AvgRF	CCRF	% Dev			
101	M	hexachlorobutadiene	0.841	0.884	-5.1	116	0.00	17.62
			True	Calc.	% Drift			
102	M	naphthalene	50.000	50.392	-0.8	121	0.00	17.59
103	M	1,2,3-trichlorobenzene	50.000	50.505	-1.0	113	0.00	17.79
			AvgRF	CCRF	% Dev			
104	M	2-Methylnaphthalene	0.571	0.665	-16.5	130	0.00	18.89
105	M	1-Methylnaphthalene	0.518	0.111	78.6#	24#	0.00	19.12

(7.9 %) 8 of 101 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p70805.D P130805S.M Tue Aug 06 12:43:08 2013

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSP2331-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71168.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\P130821\p71168.D Vial: 2
Acq On : 21 Aug 2013 9:29 am Operator: krystend
Sample : cc2318-50 Inst : MSP
Misc : ms29699,msp2331,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 06 12:41:53 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		tert butyl alcohol-d9	1.000	1.000	0.0	81	0.00	6.07
2		tertiary butyl alcohol	1.116	1.429	-28.0#	97	0.00	6.16
			True	Calc.	% Drift			
3	T	Ethanol	5000.000	4937.290	1.3	72	0.00	4.99
			AvgRF	CCRF	% Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	71	0.00	8.45
5	M	dichlorodifluoromethane	0.410	0.499	-21.7#	81	0.00	4.15
6	P	chloromethane	0.429	0.315	26.6#	57	0.00	4.11
7	c	vinyl chloride	0.570	0.636	-11.6	79	0.00	4.33
			True	Calc.	% Drift			
8	M	bromomethane	50.000	47.542	4.9	73	0.00	4.80
			AvgRF	CCRF	% Dev			
9	M	chloroethane	0.231	0.240	-3.9	75	0.00	4.95
10	M	ethyl ether	0.289	0.274	5.2	63	0.00	5.81
11	M	acetonitrile	0.201	0.278	-38.3#	94	0.00	5.47
12	M	trichlorofluoromethane	0.899	1.444	-60.6#	108	0.00	5.57
13	M	freon-113	0.418	0.500	-19.6	85	0.00	6.31
			True	Calc.	% Drift			
14	M	acrolein	250.000	212.394	15.0	57	0.00	5.57
			AvgRF	CCRF	% Dev			
15	c	1,1-dichloroethene	0.324	0.368	-13.6	79	0.00	6.13
			True	Calc.	% Drift			
16	M	acetone	50.000	53.522	-7.0	67	0.00	5.71
			AvgRF	CCRF	% Dev			
17	M	Methyl Acetate	0.478	0.450	5.9	68	0.00	6.32
			True	Calc.	% Drift			
18	M	methylene chloride	50.000	55.349	-10.7	75	0.00	6.28
			AvgRF	CCRF	% Dev			
19	M	methyl tert butyl ether	0.811	0.848	-4.6	72	0.00	7.05
20	M	acrylonitrile	0.129	0.100	22.5#	56	0.00	6.20
21	M	allyl chloride	0.535	0.615	-15.0	75	0.00	6.37

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSP2331-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71168.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

22	M	trans-1,2-dichloroethene	0.445	0.422	5.2	65	0.00	6.95
			True	Calc.	% Drift			
23	M	iodomethane	50.000	51.461	-2.9	74	0.00	6.18
24	M	carbon disulfide	50.000	52.203	-4.4	89	0.00	6.54
25	M	propionitrile	50.000	31.203	37.6#	40	0.00	7.23
			AvgRF	CCRF	% Dev			
26	M	vinyl acetate	0.657	0.666	-1.4	69	0.00	7.31
27	M	chloroprene	0.911	0.986	-8.2	71	0.00	7.56
28	M	di-isopropyl ether	1.744	1.590	8.8	60	0.00	7.61
29	M	methacrylonitrile	0.296	0.279	5.7	59	0.00	7.73
			True	Calc.	% Drift			
30	M	2-butanone	50.000	47.585	4.8	65	0.00	7.62
			AvgRF	CCRF	% Dev			
31	M	Hexane	0.997	1.096	-9.9	74	0.00	7.57
32	P	1,1-dichloroethane	0.897	0.896	0.1	68	0.00	7.20
			True	Calc.	% Drift			
33	M	tert-butyl ethyl ether	50.000	44.509	11.0	67	0.00	8.00
			AvgRF	CCRF	% Dev			
34	M	isobutyl alcohol	0.326	0.329	-0.9	65	0.00	7.61
			True	Calc.	% Drift			
35	M	2,2-dichloropropane	50.000	52.180	-4.4	90	0.00	8.05
			AvgRF	CCRF	% Dev			
36	M	cis-1,2-dichloroethene	0.503	0.485	3.6	66	0.00	7.76
			True	Calc.	% Drift			
37		ethyl acetate	50.000	39.420	21.2#	56	0.00	8.29
			AvgRF	CCRF	% Dev			
38	M	bromochloromethane	0.181	0.183	-1.1	65	0.00	7.92
39	c	chloroform	0.972	1.153	-18.6	80	0.00	7.96
40	S	dibromofluoromethane (s)	0.503	0.530	-5.4	73	0.00	8.09
41	M	Tetrahydrofuran	0.152	0.101	33.6#	47#	0.00	8.30
42	M	1,1,1-trichloroethane	0.880	1.216	-38.2#	91	0.00	8.70
43	I	1,4-difluorobenzene	1.000	1.000	0.0	66	0.00	9.30
44	M	Cyclohexane	0.704	0.619	12.1	55	0.00	8.98
45	M	carbon tetrachloride	0.519	0.894	-72.3#	102	0.00	9.06
46	M	1,1-dichloropropene	0.565	0.637	-12.7	70	0.00	8.88
			True	Calc.	% Drift			
47	M	benzene	50.000	49.888	0.2	62	0.00	9.10
			AvgRF	CCRF	% Dev			
48	M	1,2-dichloroethane	0.631	0.871	-38.0#	84	0.00	8.61
			True	Calc.	% Drift			
49	M	tert-amyl methyl ether	50.000	50.730	-1.5	73	0.00	9.23
			AvgRF	CCRF	% Dev			
50	M	heptane	0.663	0.624	5.9	58	0.00	9.58
			True	Calc.	% Drift			

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSP2331-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71168.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

51	M	trichloroethene	50.000	59.051	-18.1	74	0.00	9.72
			AvgRF	CCRF	% Dev			
52	c	1,2-dichloropropane	0.393	0.373	5.1	61	0.00	9.68
53	M	dibromomethane	0.201	0.248	-23.4#	75	0.00	9.66
54	M	bromodichloromethane	0.522	0.721	-38.1#	83	0.00	9.77
55	M	Methylcyclohexane	0.656	0.625	4.7	59	0.00	10.23
			True	Calc.	% Drift			
56	M	2-chloroethyl vinyl ether	50.000	80.734	-61.5#	90	0.00	10.22
			AvgRF	CCRF	% Dev			
57	M	methyl methacrylate	0.212	0.204	3.8	57	0.00	9.88
			True	Calc.	% Drift			
58	M	1,4-dioxane	250.000	265.720	-6.3	66	0.00	9.88
			AvgRF	CCRF	% Dev			
59	M	cis-1,3-dichloropropene	0.585	0.650	-11.1	66	0.00	10.39
60	S	toluene-d8 (s)	1.385	1.245	10.1	57	0.00	11.09
61	M	4-methyl-2-pentanone	0.355	0.335	5.6	56	0.00	10.50
62	c	toluene	0.899	0.927	-3.1	63	0.00	11.16
			True	Calc.	% Drift			
63	M	trans-1,3-dichloropropene	50.000	50.924	-1.8	67	0.00	10.81
			AvgRF	CCRF	% Dev			
64	M	1,1,2-trichloroethane	0.266	0.253	4.9	57	0.00	10.98
			True	Calc.	% Drift			
65	M	ethyl methacrylate	50.000	47.781	4.4	60	0.00	11.20
			AvgRF	CCRF	% Dev			
66	I	chlorobenzene-d5	1.000	1.000	0.0	65	0.00	12.54
67	M	tetrachloroethene	0.658	0.734	-11.6	75	0.00	11.90
68	M	1,3-dichloropropane	0.915	0.940	-2.7	64	0.00	11.22
			True	Calc.	% Drift			
69	M	dibromochloromethane	50.000	61.575	-23.2#	82	0.00	11.49
			AvgRF	CCRF	% Dev			
70	M	1,2-dibromoethane	0.533	0.532	0.2	62	0.00	11.75
71	M	2-hexanone	0.465	0.424	8.8	59	0.00	11.36
72	P	chlorobenzene	1.668	1.632	2.2	63	0.00	12.58
73	M	1,1,1,2-tetrachloroethane	0.560	0.716	-27.9#	78	0.00	12.50
74	c	ethylbenzene	3.121	3.192	-2.3	65	0.00	12.75
75	M	m,p-xylene	1.151	1.108	3.7	60	0.00	12.94
76	M	o-xylene	1.142	1.159	-1.5	63	0.00	13.35
77	M	styrene	1.705	1.547	9.3	55	0.00	13.28
			True	Calc.	% Drift			
78	P	bromoform	50.000	62.095	-24.2#	91	0.00	13.10
79	M	trans-1,4-dichloro-2-bute	50.000	58.835	-17.7	89	0.00	13.51
			AvgRF	CCRF	% Dev			
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	83	0.00	15.10
81	M	isopropylbenzene	4.170	3.512	15.8	64	0.00	13.72
82	S	bromofluorobenzene (s)	1.256	0.989	21.3#	65	0.00	13.77

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSP2331-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71168.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

83	M	bromobenzene	0.883	0.799	9.5	70	0.00	13.99
84	P	1,1,2,2-tetrachloroethane	0.863	0.744	13.8	64	0.00	13.35
85	M	1,2,3-trichloropropane	0.899	0.832	7.5	70	0.00	13.50
86	M	n-propylbenzene	4.705	4.328	8.0	69	0.00	14.16
87	M	2-chlorotoluene	3.005	2.761	8.1	72	0.00	14.27
88	M	4-chlorotoluene	3.010	2.791	7.3	71	0.00	14.35
89	M	1,3,5-trimethylbenzene	3.477	3.158	9.2	70	0.00	14.44
90	M	tert-butylbenzene	2.299	2.261	1.7	77	0.00	14.74
91	M	1,2,4-trimethylbenzene	3.354	3.129	6.7	71	0.00	14.85
92	M	sec-butylbenzene	4.364	4.095	6.2	70	0.00	14.96
93	M	1,3-dichlorobenzene	1.656	1.611	2.7	75	0.00	15.06
94	M	p-isopropyltoluene	3.096	3.083	0.4	76	0.00	15.14
95	M	1,4-dichlorobenzene	1.595	1.594	0.1	78	0.00	15.13
96	M	1,2-dichlorobenzene	1.554	1.497	3.7	75	0.00	15.50
97	M	n-butylbenzene	3.166	3.412	-7.8	79	0.00	15.56
		----------	True	Calc.	% Drift	----------		
98	M	1,2-dibromo-3-chloropropa	50.000	53.139	-6.3	91	0.00	15.98
		----------	AvgRF	CCRF	% Dev	----------		
99		1,3,5-trichlorobenzene	1.160	1.265	-9.1	84	0.00	16.80
		----------	True	Calc.	% Drift	----------		
100	M	1,2,4-trichlorobenzene	50.000	50.100	-0.2	82	0.00	17.33
		----------	AvgRF	CCRF	% Dev	----------		
101	M	hexachlorobutadiene	0.841	1.051	-25.0#	104	0.00	17.61
		----------	True	Calc.	% Drift	----------		
102	M	naphthalene	50.000	40.994	18.0	71	0.00	17.59
103	M	1,2,3-trichlorobenzene	50.000	50.890	-1.8	86	0.00	17.79
		----------	AvgRF	CCRF	% Dev	----------		
104	M	2-Methylnaphthalene	0.571	0.428	25.0#	63	0.00	18.89
105	M	1-Methylnaphthalene	0.518	0.395	23.7#	66	0.00	19.11

(21.8 %) 22 of 101 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p70805.D P130805S.M Wed Aug 21 11:45:14 2013

New England ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130703.D
Acq On : 21 Aug 2013 7:42 pm
Operator : jaimem
Sample : mc23593-1
Misc : MS29713,MSG5093,14.316,,100,10,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 22 07:17:49 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

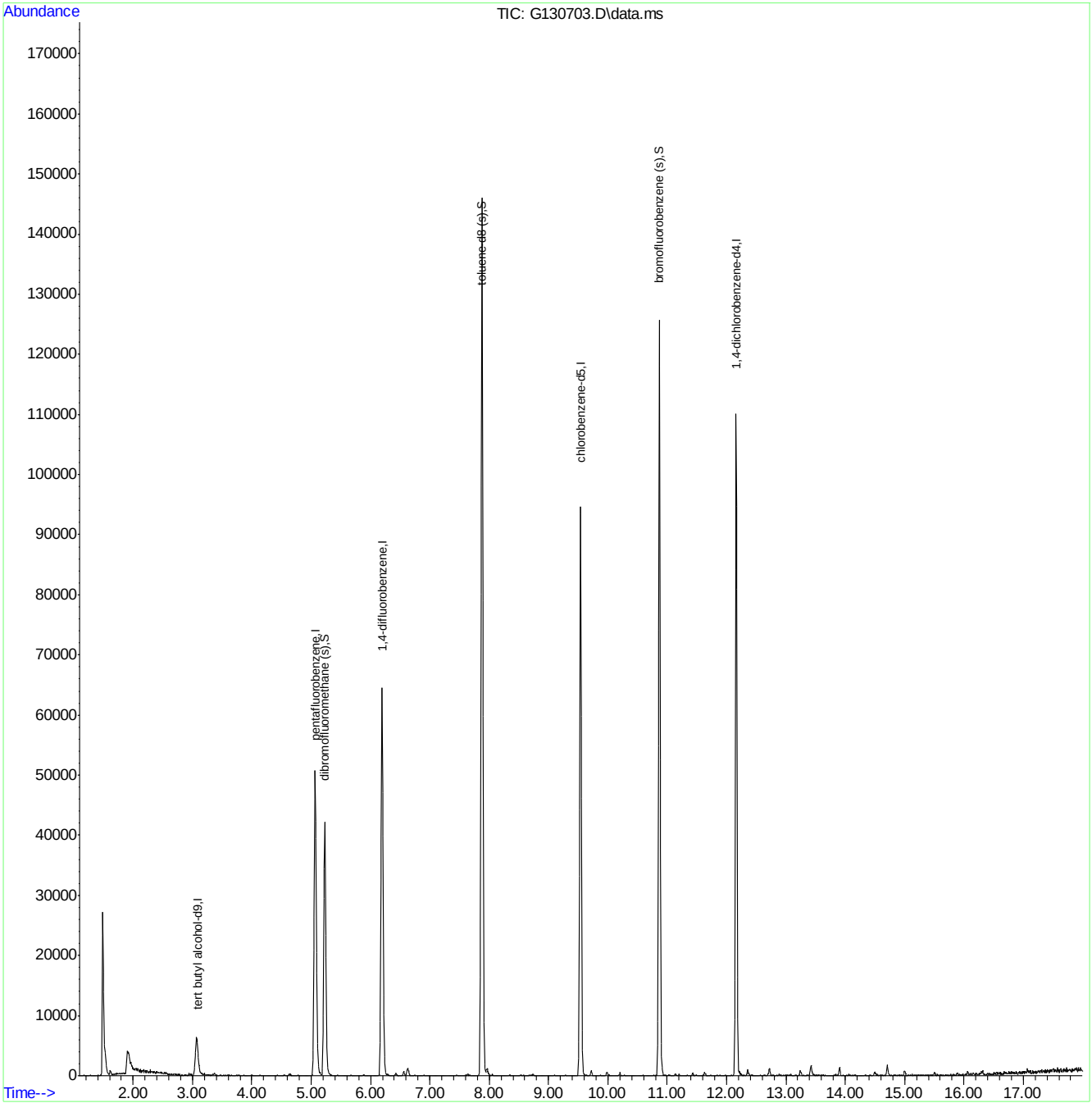
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.090	65	14242	500.00	ppb	0.00
4) pentafluorobenzene	5.071	168	48242	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.195	114	71314	50.00	ppb	0.00
66) chlorobenzene-d5	9.538	82	34467	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.162	152	32746	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	5.231	113	33963	50.80	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.60%			
60) toluene-d8 (s)	7.878	98	124307	51.47	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.94%			
82) bromofluorobenzene (s)	10.867	95	48723	52.16	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.32%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130703.D
Acq On : 21 Aug 2013 7:42 pm
Operator : jaimem
Sample : mc23593-1
Misc : MS29713,MSG5093,14.316,,100,10,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 22 07:17:49 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130703.D
Acq On : 21 Aug 2013 7:42 pm
Operator : jaimem
Sample : mc23593-1
Misc : MS29713,MSG5093,14.316,,100,10,1
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\g130820s.m
Title : SW-846 Method 8260

Signal : TIC: G130703.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.067	1400	1429	1465	rBV	50765	130522	42.04%	10.084%
2	5.226	1465	1486	1540	rVB4	42248	105290	33.92%	8.134%
3	6.191	1810	1833	1885	rBB2	64491	153144	49.33%	11.831%
4	7.876	2415	2439	2490	rBB	146042	310451	100.00%	23.984%
5	9.539	3015	3037	3070	rBV	94663	180699	58.21%	13.960%
6	10.866	3485	3514	3550	rBB	125646	226133	72.84%	17.470%
7	12.162	3960	3980	4020	rBB3	110166	188147	60.60%	14.536%

Sum of corrected areas: 1294386

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71174.D
Acq On : 21 Aug 2013 12:20 pm
Operator : krystend
Sample : mc23593-2
Misc : ms29706,msp2331,4.794,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 13:44:10 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

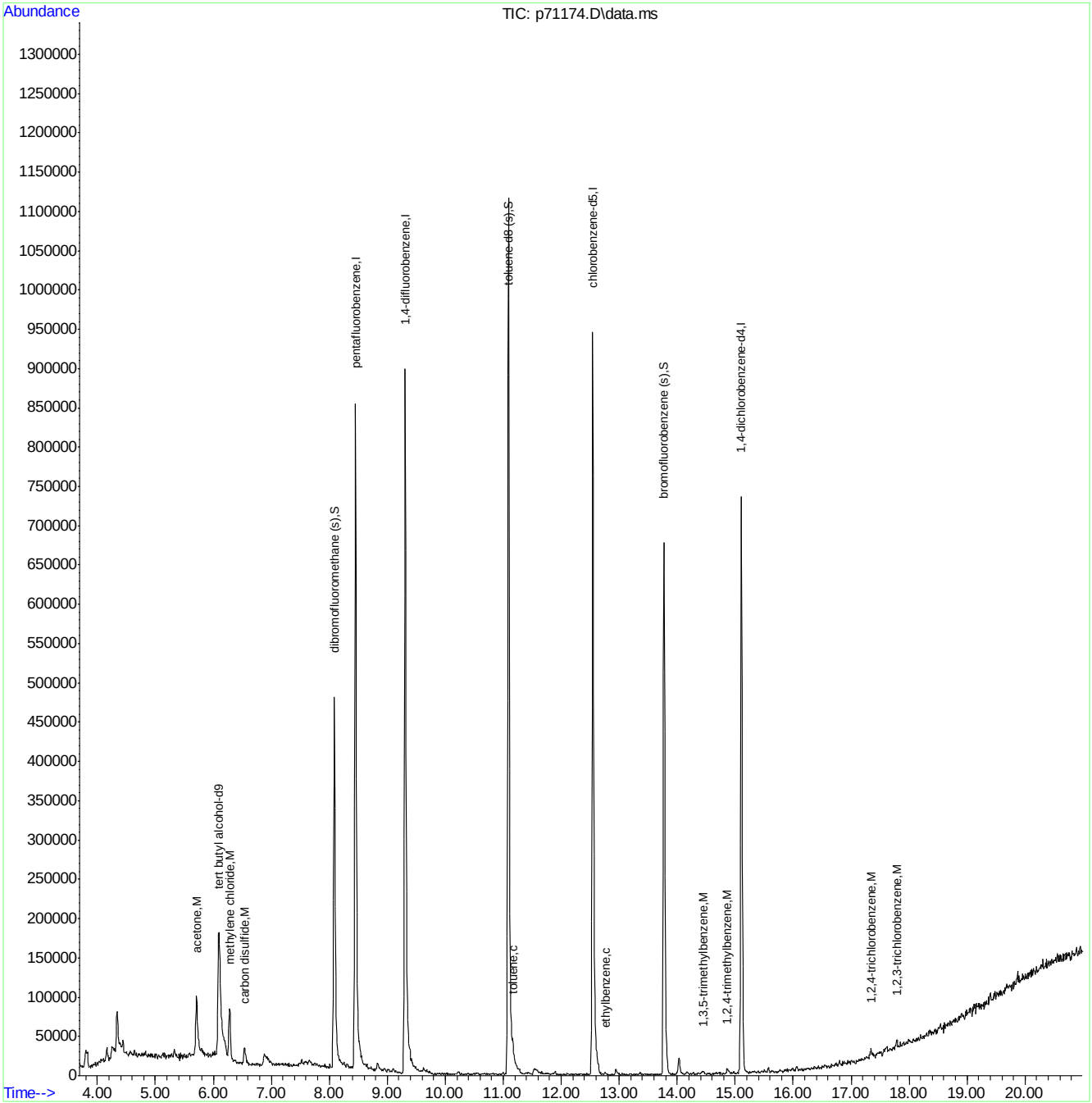
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.092	65	299403	500.00	ug/kg	0.01
4) pentafluorobenzene	8.456	168	558983	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.312	114	658900	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	342314	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	195758	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	285246	50.70	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 101.40%#			
60) toluene-d8 (s)	11.090	98	781249	42.80	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 85.60%#			
82) bromofluorobenzene (s)	13.771	95	240778	48.98	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 97.96%#			
Target Compounds						Qvalue
16) acetone	5.714	58	28824	45.54	ug/kg#	34
18) methylene chloride	6.280	84	24733	7.00	ug/kg	92
24) carbon disulfide	6.536	76	29571	11.45	ug/kg	95
62) toluene	11.164	92	6229	0.53	ug/kg	91
74) ethylbenzene	12.761	91	3487	0.16	ug/kg	93
89) 1,3,5-trimethylbenzene	14.445	105	3134	0.23	ug/kg	91
91) 1,2,4-trimethylbenzene	14.856	105	3347	0.25	ug/kg	94
100) 1,2,4-trichlorobenzene	17.341	180	3529	3.08	ug/kg	84
103) 1,2,3-trichlorobenzene	17.793	180	3552	4.49	ug/kg#	53

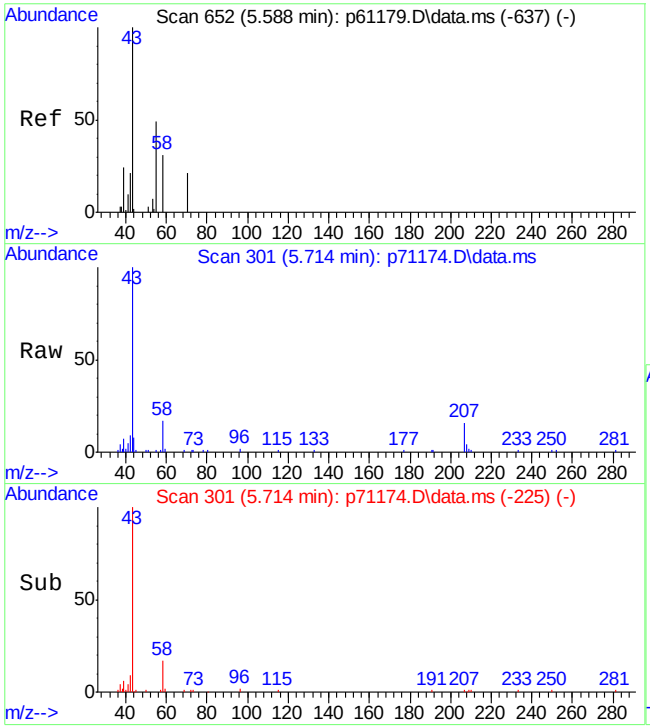
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71174.D
Acq On : 21 Aug 2013 12:20 pm
Operator : krystend
Sample : mc23593-2
Misc : ms29706,msp2331,4.794,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 13:44:10 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

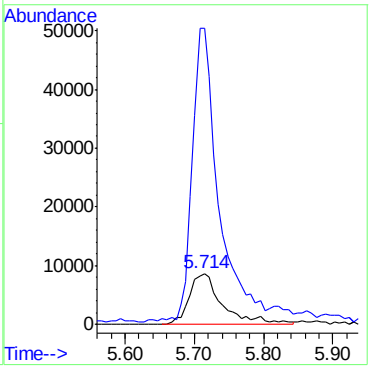


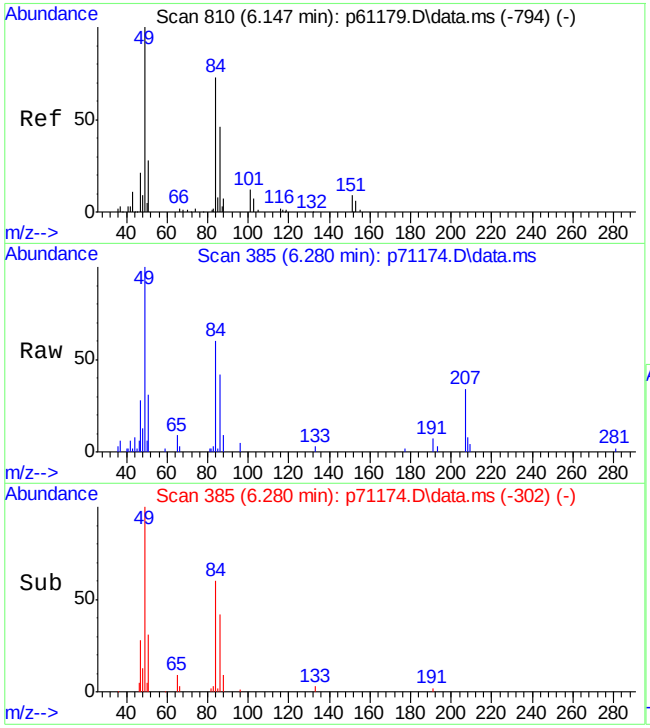


#16
acetone
Concen: 45.54 ug/kg
RT: 5.714 min Scan# 301
Delta R.T. 0.013 min
Lab File: p71174.D
Acq: 21 Aug 2013 12:20 pm

Tgt Ion: 58 Resp: 28824

Ion	Ratio	Lower	Upper
58	100		
43	574.0	383.1	443.1#

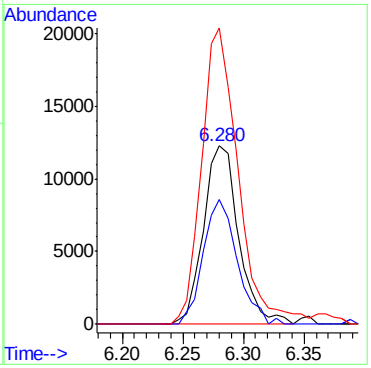


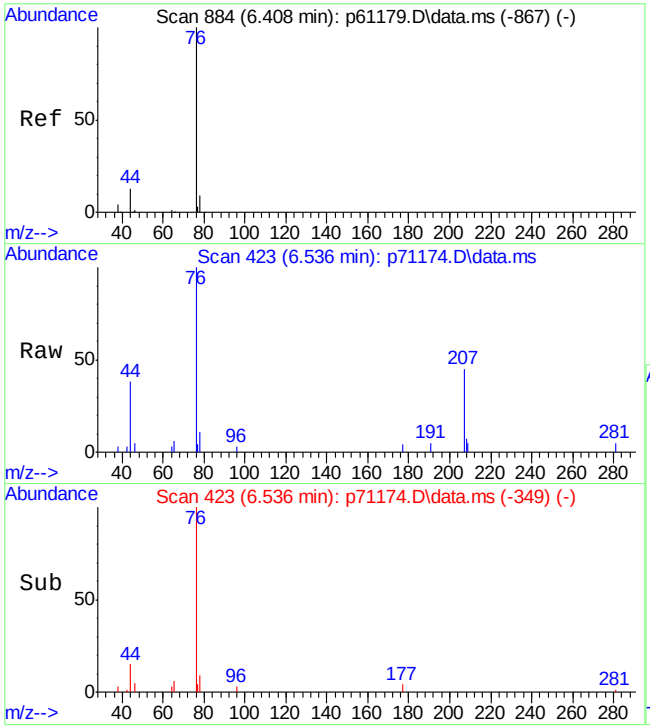


#18
methylene chloride
Concen: 7.00 ug/kg
RT: 6.280 min Scan# 385
Delta R.T. 0.000 min
Lab File: p71174.D
Acq: 21 Aug 2013 12:20 pm

Tgt Ion: 84 Resp: 24733

Ion	Ratio	Lower	Upper
84	100		
86	69.7	37.0	97.0
49	166.3	123.7	183.7

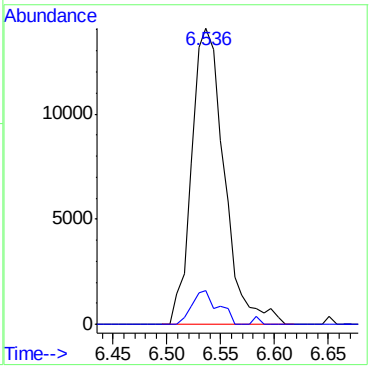


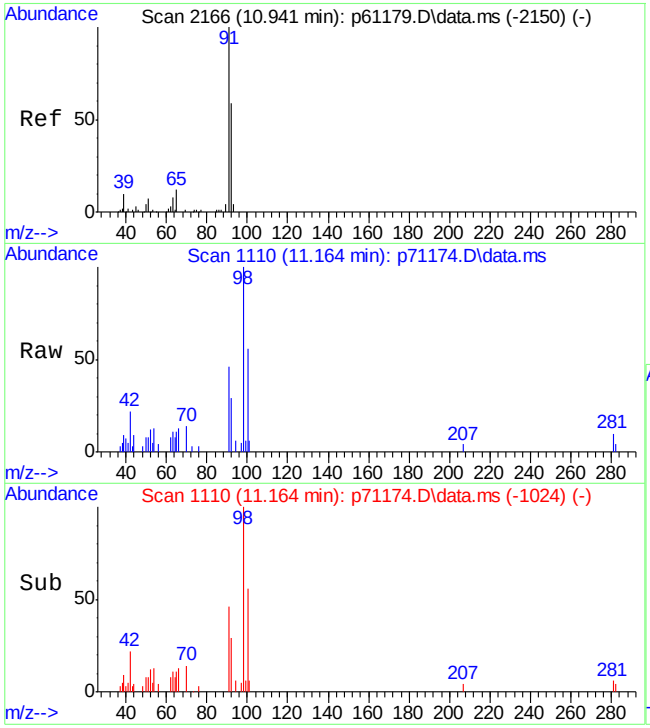


#24
carbon disulfide
Concen: 11.45 ug/kg
RT: 6.536 min Scan# 423
Delta R.T. 0.000 min
Lab File: p71174.D
Acq: 21 Aug 2013 12:20 pm

Tgt Ion: 76 Resp: 29571

Ion	Ratio	Lower	Upper
76	100		
78	11.3	0.0	39.3

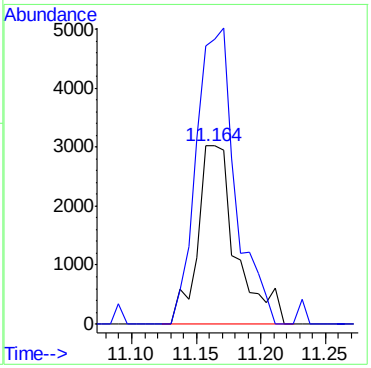


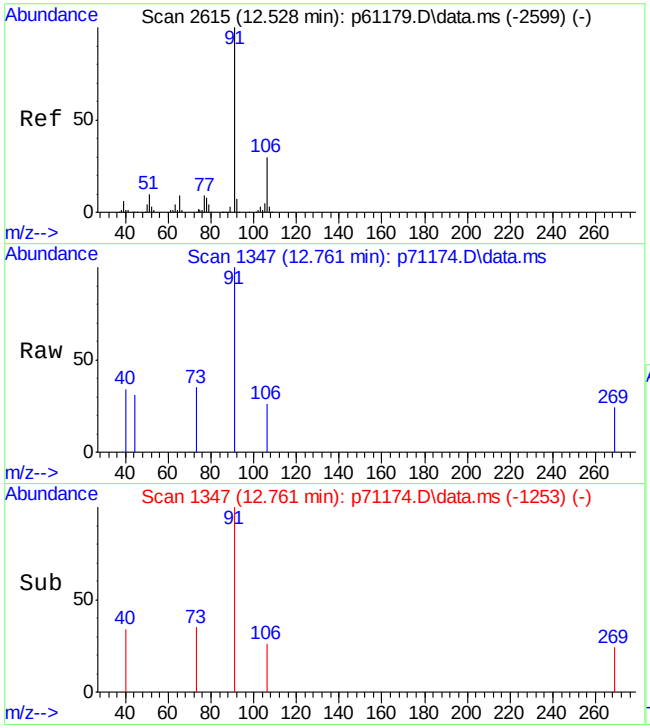


#62
toluene
Concen: 0.53 ug/kg
RT: 11.164 min Scan# 1110
Delta R.T. 0.000 min
Lab File: p71174.D
Acq: 21 Aug 2013 12:20 pm

Tgt Ion: 92 Resp: 6229

Ion	Ratio	Lower	Upper
92	100		
91	159.9	142.4	202.4

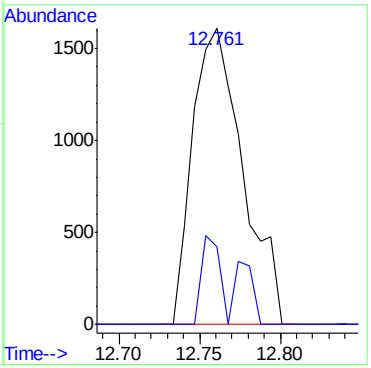


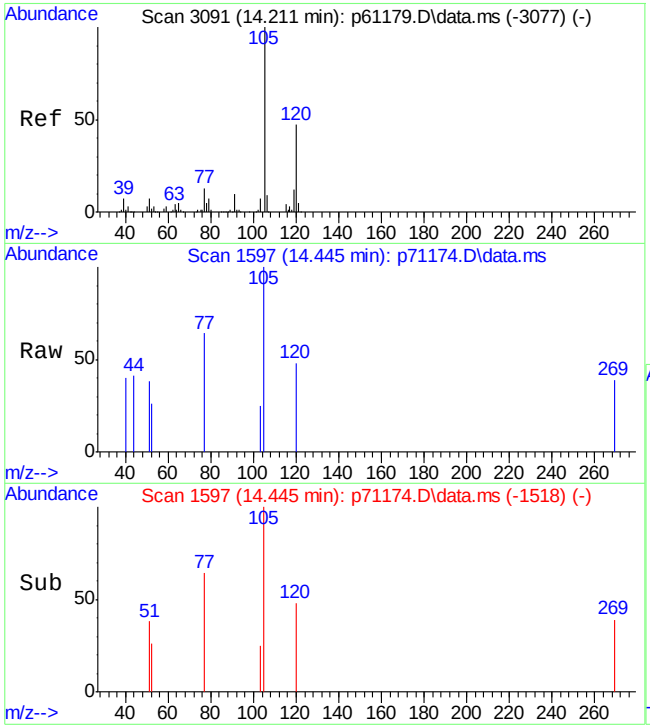


#74
ethylbenzene
Concen: 0.16 ug/kg
RT: 12.761 min Scan# 1347
Delta R.T. 0.007 min
Lab File: p71174.D
Acq: 21 Aug 2013 12:20 pm

Tgt Ion: 91 Resp: 3487

Ion	Ratio	Lower	Upper
91	100		
106	26.0	0.0	60.0

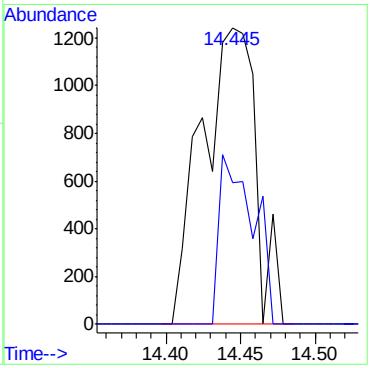


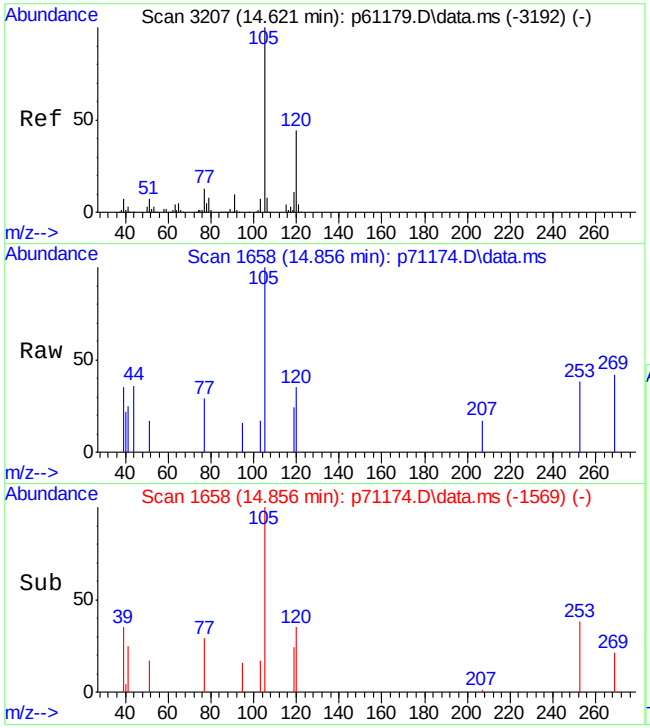


#89
1,3,5-trimethylbenzene
Concen: 0.23 ug/kg
RT: 14.445 min Scan# 1597
Delta R.T. -0.000 min
Lab File: p71174.D
Acq: 21 Aug 2013 12:20 pm

Tgt Ion:105 Resp: 3134

Ion	Ratio	Lower	Upper
105	100		
120	47.8	11.9	71.9

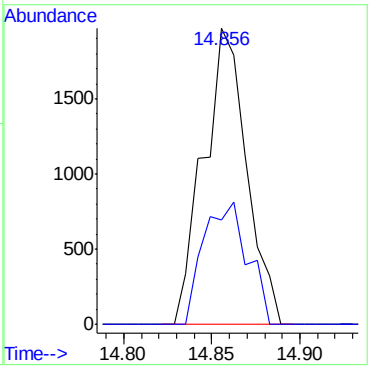


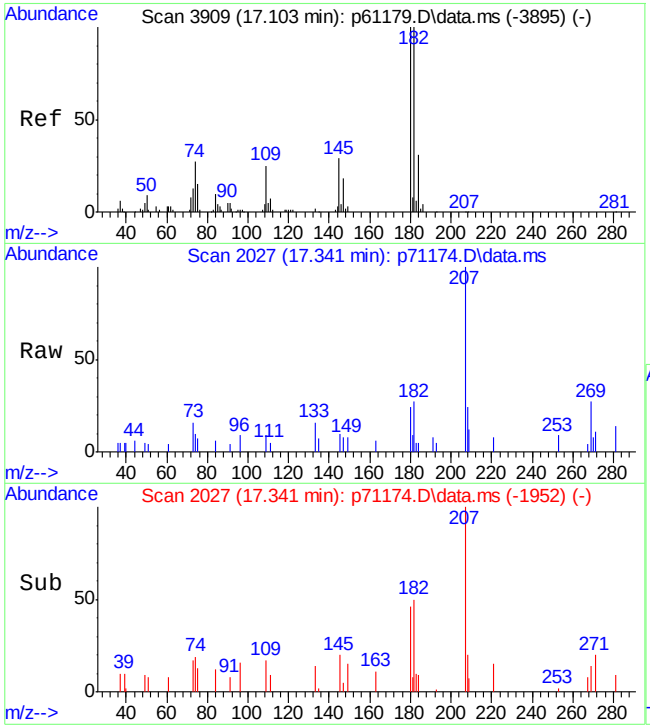


#91
1,2,4-trimethylbenzene
Concen: 0.25 ug/kg
RT: 14.856 min Scan# 1658
Delta R.T. 0.007 min
Lab File: p71174.D
Acq: 21 Aug 2013 12:20 pm

Tgt Ion:105 Resp: 3347

Ion	Ratio	Lower	Upper
105	100		
120	35.4	9.1	69.1

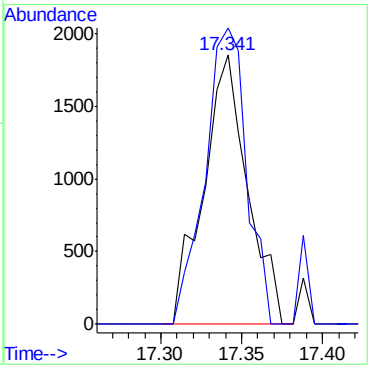


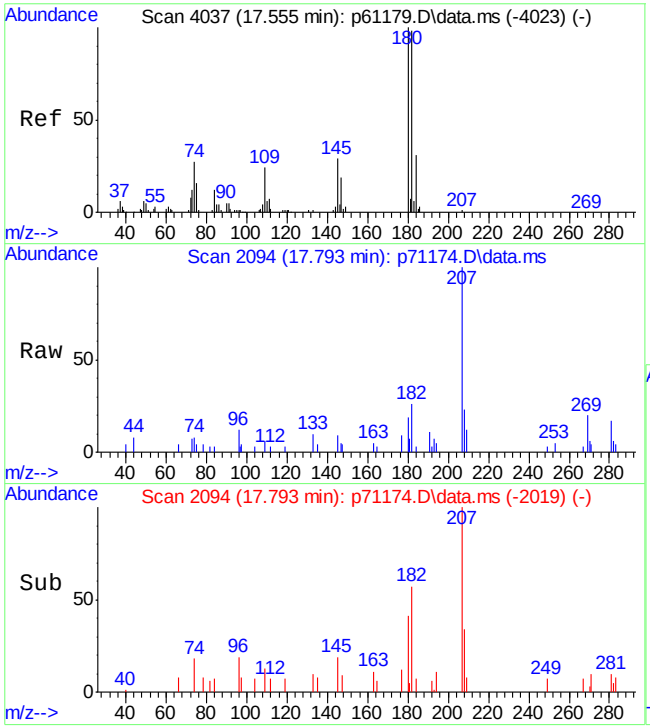


#100
1,2,4-trichlorobenzene
Concen: 3.08 ug/kg
RT: 17.341 min Scan# 2027
Delta R.T. 0.006 min
Lab File: p71174.D
Acq: 21 Aug 2013 12:20 pm

Tgt Ion:180 Resp: 3529

Ion	Ratio	Lower	Upper
180	100		
182	110.2	64.7	124.7

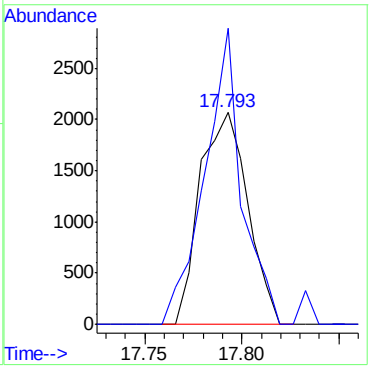




#103
1,2,3-trichlorobenzene
Concen: 4.49 ug/kg
RT: 17.793 min Scan# 2094
Delta R.T. 0.007 min
Lab File: p71174.D
Acq: 21 Aug 2013 12:20 pm

Tgt Ion:180 Resp: 3552

Ion	Ratio	Lower	Upper
180	100		
182	139.3	63.7	123.7#



LSC Area Percent Report

Data Path : C:\msdchem\1\data\P130821\
Data File : p71174.D
Acq On : 21 Aug 2013 12:20 pm
Operator : krystend
Sample : mc23593-2
Misc : ms29706,msp2331,4.794,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\P130805S.M
Title : SW-846 Method 8260

Signal : TIC: p71174.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.708	295	300	311	rBV	72139	176574	8.21%	1.439%
2	6.098	351	358	369	rBV	156268	523849	24.37%	4.269%
3	6.280	380	385	391	rVB2	64275	130084	6.05%	1.060%
4	6.543	419	424	428	rVB	19020	36228	1.69%	0.295%
5	6.880	469	474	476	rBV4	13765	24999	1.16%	0.204%
6	8.086	647	653	666	rBV	470628	1009013	46.93%	8.224%
7	8.449	701	707	721	rBV	844539	1771573	82.40%	14.438%
8	9.312	828	835	850	rBV	896037	1884233	87.64%	15.357%
9	11.090	1093	1099	1108	rBV	1114566	2149892	100.00%	17.522%
10	12.545	1308	1315	1328	rBV	944630	1820910	84.70%	14.841%
11	13.771	1491	1497	1515	rVB	677102	1324638	61.61%	10.796%
12	14.034	1529	1536	1541	rBV2	20433	44478	2.07%	0.362%
13	15.105	1689	1695	1708	rVB	731436	1373361	63.88%	11.193%

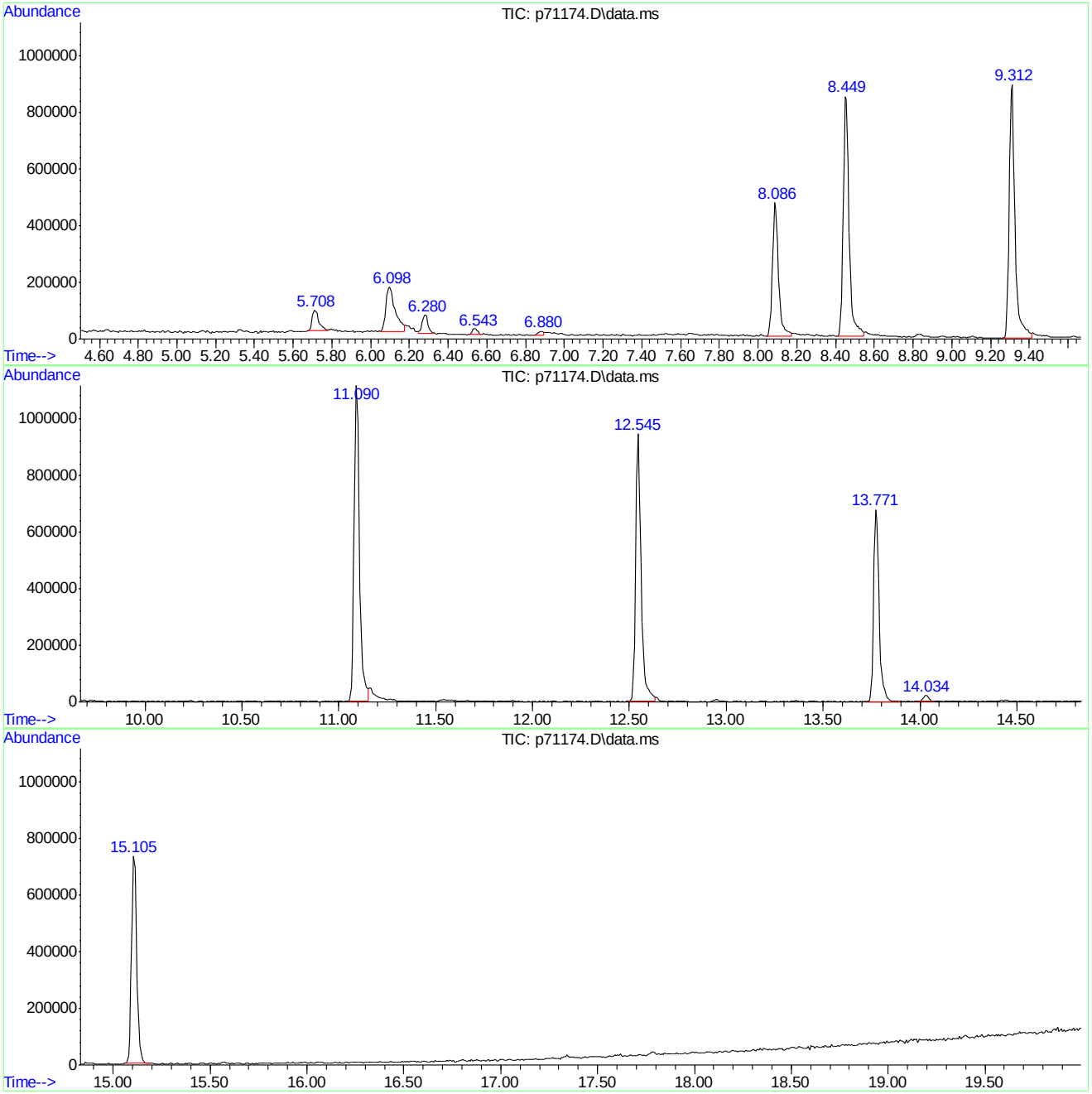
Sum of corrected areas: 12269832

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\P130821\
Data File : p71174.D
Acq On : 21 Aug 2013 12:20 pm
Operator : krystend
Sample : mc23593-2
Misc : ms29706,msp2331,4.794,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\P130821\
Data File : p71174.D
Acq On : 21 Aug 2013 12:20 pm
Operator : krystend
Sample : mc23593-2
Misc : ms29706,msp2331,4.794,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\P130821\
Data File : p71174.D
Acq On : 21 Aug 2013 12:20 pm
Operator : krystend
Sample : mc23593-2
Misc : ms29706,msp2331,4.794,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71173.D
Acq On : 21 Aug 2013 11:51 am
Operator : krystend
Sample : mb
Misc : ms29706,msp2331,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 21 12:14:25 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

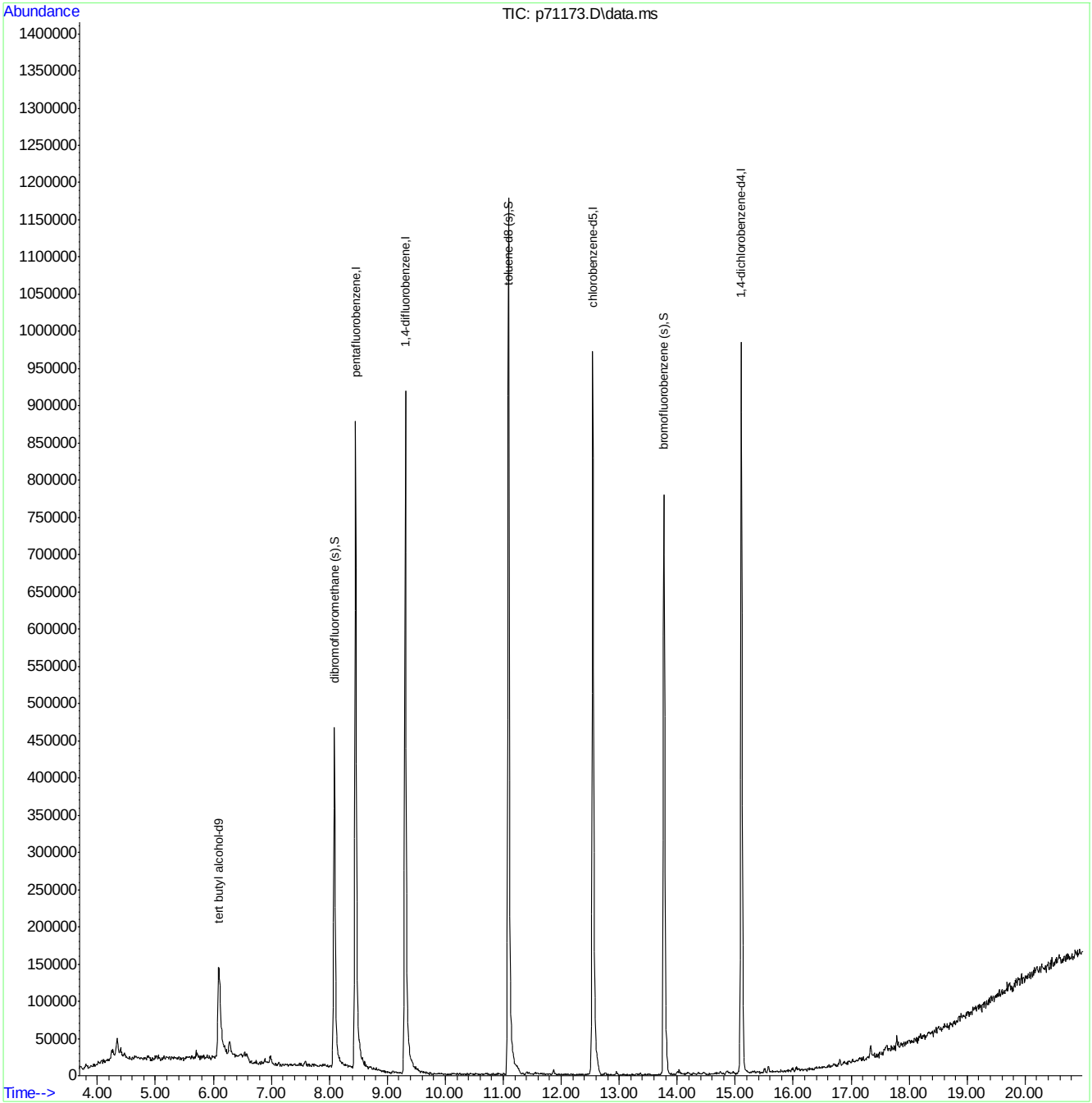
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.099	65	234563	500.00	ug/kg	0.02
4) pentafluorobenzene	8.456	168	583635	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.312	114	683906	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	367971	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	265813	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	282681	48.12	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 96.24%#			
60) toluene-d8 (s)	11.090	98	816443	43.09	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 86.18%#			
82) bromofluorobenzene (s)	13.771	95	273626	40.99	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 81.98%#			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71173.D
Acq On : 21 Aug 2013 11:51 am
Operator : krystend
Sample : mb
Misc : ms29706,msp2331,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 21 12:14:25 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\data\P130821\
Data File : p71173.D
Acq On : 21 Aug 2013 11:51 am
Operator : krystend
Sample : mb
Misc : ms29706,msp2331,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\P130805S.M
Title : SW-846 Method 8260

Signal : TIC: p71173.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.092	351	357	371	rBV	119910	418100	17.88%	3.226%
2	8.086	646	653	668	rBV	456403	1000887	42.80%	7.723%
3	8.456	700	708	724	rBV	869181	1864319	79.72%	14.386%
4	9.312	826	835	858	rBV	917408	1955125	83.60%	15.087%
5	11.090	1092	1099	1120	rBV	1178398	2338610	100.00%	18.046%
6	12.545	1302	1315	1336	rVB	973069	2000926	85.56%	15.440%
7	13.771	1491	1497	1514	rVB	779490	1490750	63.75%	11.503%
8	15.105	1685	1695	1708	rBV	982980	1859300	79.50%	14.347%
9	17.786	2090	2093	2096	rBV4	20143	31107	1.33%	0.240%

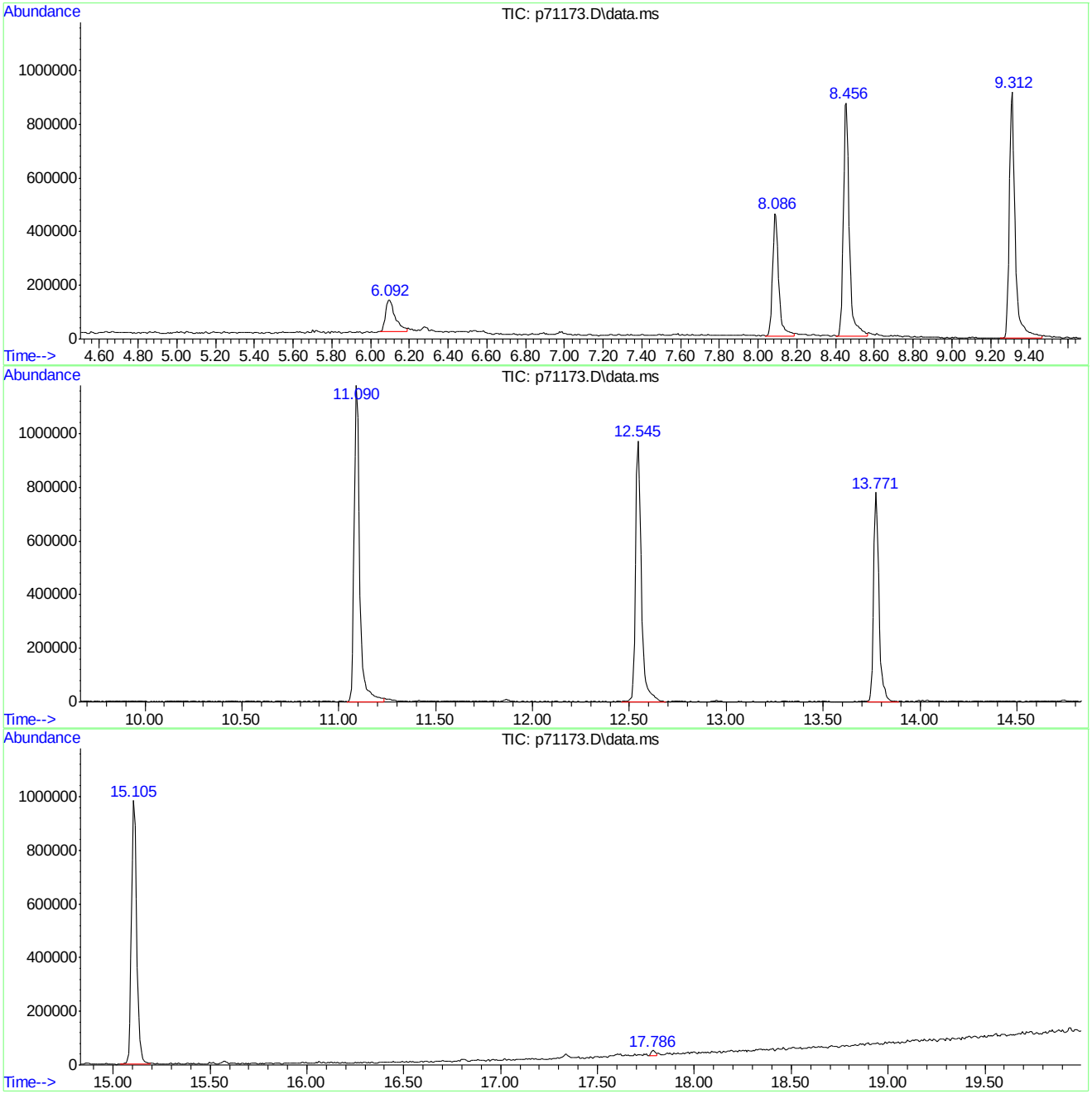
Sum of corrected areas: 12959124

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\P130821\
Data File : p71173.D
Acq On : 21 Aug 2013 11:51 am
Operator : krystend
Sample : mb
Misc : ms29706,msp2331,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\P130821\
Data File : p71173.D
Acq On : 21 Aug 2013 11:51 am
Operator : krystend
Sample : mb
Misc : ms29706,msp2331,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\P130821\
Data File : p71173.D
Acq On : 21 Aug 2013 11:51 am
Operator : krystend
Sample : mb
Misc : ms29706,msp2331,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130687.D
Acq On : 21 Aug 2013 12:08 pm
Operator : jaimem
Sample : mb
Misc : MS29713,MSG5093,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 13:45:33 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

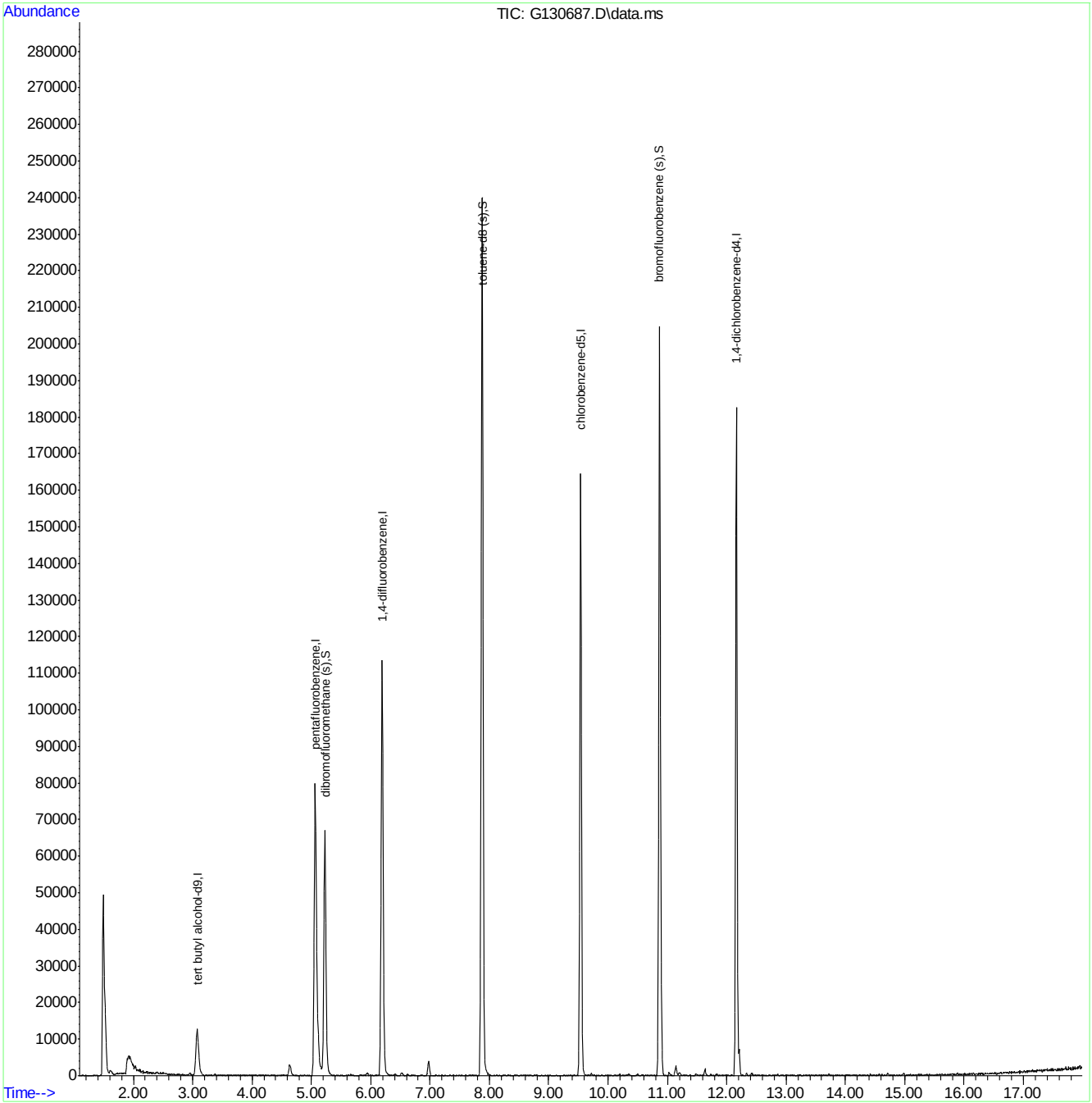
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.081	65	24161	500.00	ppb	-0.01
4) pentafluorobenzene	5.071	168	76804	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.195	114	122659	50.00	ppb	0.00
66) chlorobenzene-d5	9.538	82	59399	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.162	152	53948	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	5.231	113	54275	50.99	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.98%			
60) toluene-d8 (s)	7.878	98	208830	50.27	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.54%			
82) bromofluorobenzene (s)	10.868	95	79719	51.80	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.60%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130687.D
Acq On : 21 Aug 2013 12:08 pm
Operator : jaimem
Sample : mb
Misc : MS29713,MSG5093,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 13:45:33 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130687.D
Acq On : 21 Aug 2013 12:08 pm
Operator : jaimem
Sample : mb
Misc : MS29713,MSG5093,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\g130820s.m
Title : SW-846 Method 8260

Signal : TIC: G130687.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.065	1396	1429	1466	rBV2	79862	231073	44.02%	10.365%
2	5.229	1466	1488	1556	rVB2	67004	170965	32.57%	7.669%
3	6.191	1791	1834	1886	rBB	113683	268143	51.09%	12.028%
4	7.877	2401	2440	2501	rBB	239964	524887	100.00%	23.545%
5	9.537	3006	3037	3086	rBV2	164518	313099	59.65%	14.045%
6	10.866	3476	3515	3561	rBB2	204819	397292	75.69%	17.821%
7	12.162	3956	3981	4026	rBV2	182592	323839	61.70%	14.527%

Sum of corrected areas: 2229298

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/21/13 13:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71169.D
Acq On : 21 Aug 2013 9:58 am
Operator : krystend
Sample : bs
Misc : ms29699,msp2331,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 10:24:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.085	65	212667	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	631097	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	782491	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.538	82	472973	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	437743	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	314430	49.50	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 99.00%#			
60) toluene-d8 (s)	11.090	98	953447	43.98	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 87.96%#			
82) bromofluorobenzene (s)	13.771	95	433190	39.41	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 78.82%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.166	59	334108	703.80	ug/kg	98
3) Ethanol	4.987	45	335474	5425.20	ug/kg	98
5) dichlorodifluoromethane	4.152	85	408313	78.89	ug/kg	99
6) chloromethane	4.111	50	301490	55.74	ug/kg	99
7) vinyl chloride	4.334	62	415503	57.78	ug/kg	98
8) bromomethane	4.798	96	183563m	70.87	ug/kg	
9) chloroethane	4.953	64	188362	64.56	ug/kg	98
10) ethyl ether	5.809	59	202123	55.50	ug/kg	89
11) acetonitrile	5.472	41	189760m	74.93	ug/kg	
12) trichlorofluoromethane	5.566	101	913341	80.52	ug/kg	100
13) freon-113	6.314	101	347554m	65.86	ug/kg	
14) acrolein	5.573	56	123317	368.68	ug/kg	97
15) 1,1-dichloroethene	6.132	96	274040m	67.07	ug/kg	
16) acetone	5.701	58	42513	62.04	ug/kg#	70
17) Methyl Acetate	6.321	43	247900	41.13	ug/kg	96
18) methylene chloride	6.280	84	300563	61.50	ug/kg	94
19) methyl tert butyl ether	7.048	73	567389	55.43	ug/kg	93
20) acrylonitrile	6.200	53	72137	44.47	ug/kg	98
21) allyl chloride	6.368	41	478399m	70.82	ug/kg	
22) trans-1,2-dichloroethene	6.954	96	294166	52.36	ug/kg	95
23) iodomethane	6.179	142	275109m	69.76	ug/kg	
24) carbon disulfide	6.536	76	938914	63.06	ug/kg	100
25) propionitrile	7.244	54	30256	38.16	ug/kg	100
26) vinyl acetate	7.318	43	340949	41.10	ug/kg	96
27) chloroprene	7.560	53	727673	63.30	ug/kg	89
28) di-isopropyl ether	7.607	45	1086052	49.33	ug/kg	97
29) methacrylonitrile	7.729	41	176843	47.33	ug/kg	98
30) 2-butanone	7.628	72	39611	47.04	ug/kg#	60
31) Hexane	7.580	41	723230	57.48	ug/kg#	81
32) 1,1-dichloroethane	7.203	63	686731	60.67	ug/kg	98
33) tert-butyl ethyl ether	7.998	59	386827	48.23	ug/kg	98
34) isobutyl alcohol	7.607	43	1098934	267.24	ug/kg	84
35) 2,2-dichloropropane	8.045	77	500673	61.72	ug/kg	99
36) cis-1,2-dichloroethene	7.762	96	334125	52.59	ug/kg	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71169.D
Acq On : 21 Aug 2013 9:58 am
Operator : krystend
Sample : bs
Misc : ms29699,msp2331,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 10:24:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	ethyl acetate	8.301	43	21962	47.68	ug/kg#	62
38)	bromochloromethane	7.931	128	141636	62.16	ug/kg	90
39)	chloroform	7.964	83	826468m	67.37	ug/kg	
41)	Tetrahydrofuran	8.295	42	68864	36.00	ug/kg	92
42)	1,1,1-trichloroethane	8.699	97	884005	79.57	ug/kg	97
44)	Cyclohexane	8.982	56	502721	45.63	ug/kg	90
45)	carbon tetrachloride	9.062	117	809147	99.55	ug/kg	98
46)	1,1-dichloropropene	8.881	75	540990	61.16	ug/kg	98
47)	benzene	9.096	78	1260290	56.61	ug/kg	100
48)	1,2-dichloroethane	8.611	62	730569	73.95	ug/kg	95
49)	tert-amyl methyl ether	9.231	73	307902	56.65	ug/kg	97
50)	heptane	9.581	43	523096	50.41	ug/kg	98
51)	trichloroethene	9.716	95	412298	62.71	ug/kg	97
52)	1,2-dichloropropane	9.689	63	323950	52.72	ug/kg	99
53)	dibromomethane	9.655	93	229420	73.01	ug/kg	98
54)	bromodichloromethane	9.770	83	639493	78.23	ug/kg	96
55)	Methylcyclohexane	10.228	83	556494	54.18	ug/kg	96
56)	2-chloroethyl vinyl ether	10.228	63	9413	76.28	ug/kg#	98
57)	methyl methacrylate	9.878	69	174052	52.39	ug/kg	90
58)	1,4-dioxane	9.871	88	14099	280.10	ug/kg	96
59)	cis-1,3-dichloropropene	10.390	75	538939	58.91	ug/kg	99
61)	4-methyl-2-pentanone	10.504	43	296558	53.43	ug/kg	94
62)	toluene	11.157	92	828468	58.88	ug/kg	99
63)	trans-1,3-dichloropropene	10.814	75	500732	59.36	ug/kg	93
64)	1,1,2-trichloroethane	10.982	83	223696	53.77	ug/kg	99
65)	ethyl methacrylate	11.198	69	365926	54.70	ug/kg	86
67)	tetrachloroethene	11.898	166	419887m	67.45	ug/kg	
68)	1,3-dichloropropane	11.218	76	506154	58.49	ug/kg	100
69)	dibromochloromethane	11.494	129	407839	71.27	ug/kg	94
70)	1,2-dibromoethane	11.750	107	285155	56.57	ug/kg	99
71)	2-hexanone	11.360	43	238310	54.13	ug/kg	90
72)	chlorobenzene	12.579	112	852103	54.02	ug/kg	96
73)	1,1,1,2-tetrachloroethane	12.498	131	380410	71.82	ug/kg	92
74)	ethylbenzene	12.754	91	1734144	58.75	ug/kg	95
75)	m,p-xylene	12.936	106	1174208	107.87	ug/kg	91
76)	o-xylene	13.347	106	598636	55.42	ug/kg	82
77)	styrene	13.279	104	848674	52.61	ug/kg	90
78)	bromoform	13.098	173	275106	76.60	ug/kg	94
79)	trans-1,4-dichloro-2-b...	13.508	53	88892	64.66	ug/kg#	87
81)	isopropylbenzene	13.711	105	1719515	47.10	ug/kg	100
83)	bromobenzene	13.993	156	418342	54.14	ug/kg	94
84)	1,1,2,2-tetrachloroethane	13.360	83	361726	47.87	ug/kg	99
85)	1,2,3-trichloropropane	13.502	75	417688	53.04	ug/kg	97
86)	n-propylbenzene	14.162	91	2070920	50.28	ug/kg	98
87)	2-chlorotoluene	14.270	91	1298001	49.33	ug/kg	97
88)	4-chlorotoluene	14.351	91	1384819	52.55	ug/kg	95
89)	1,3,5-trimethylbenzene	14.438	105	1519116	49.90	ug/kg	99
90)	tert-butylbenzene	14.741	91	1078674	53.59	ug/kg	92
91)	1,2,4-trimethylbenzene	14.849	105	1542398	52.53	ug/kg	99
92)	sec-butylbenzene	14.964	105	1958071	51.25	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71169.D
Acq On : 21 Aug 2013 9:58 am
Operator : krystend
Sample : bs
Misc : ms29699,msp2331,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 10:24:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

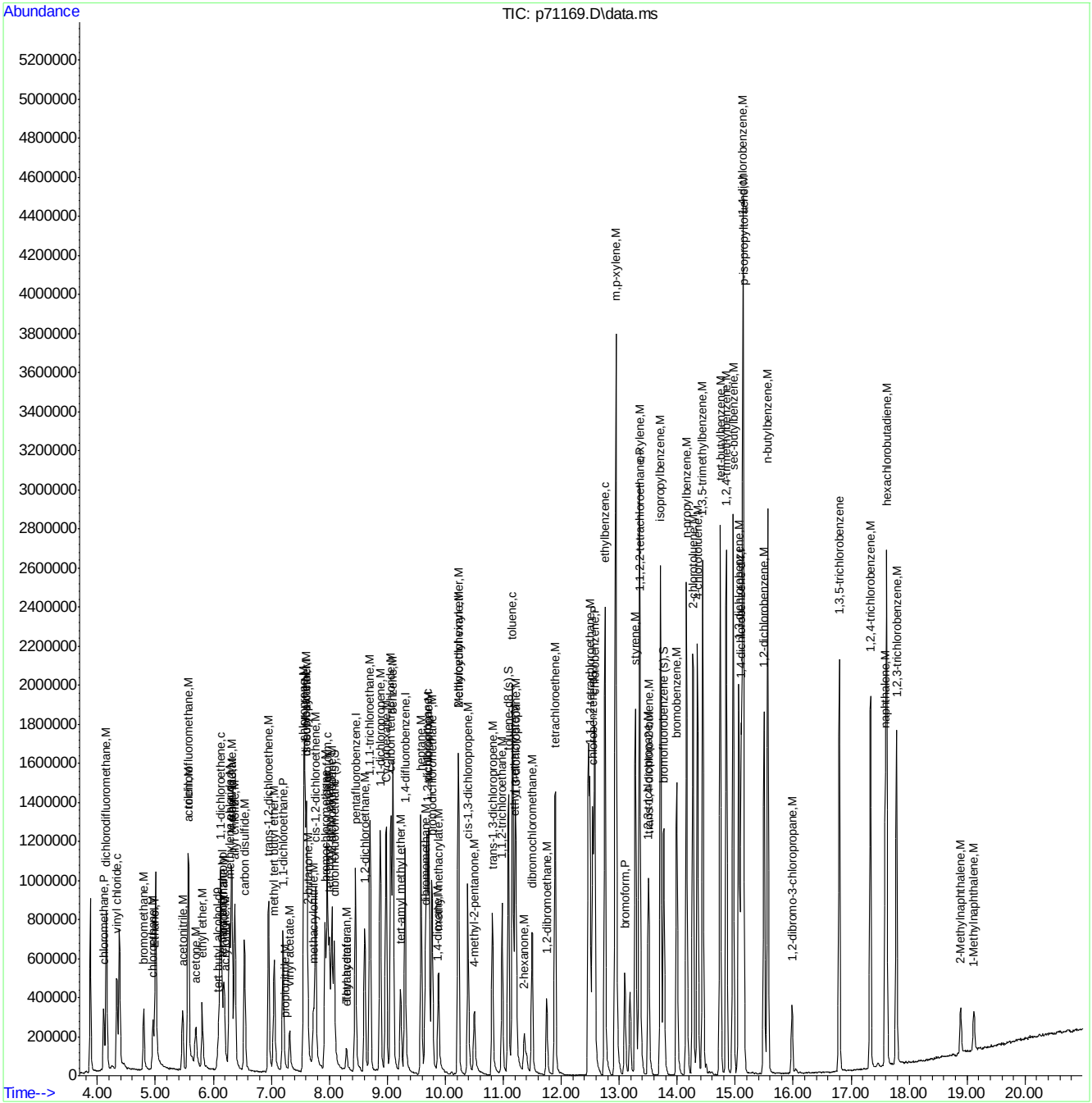
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	802561	55.37	ug/kg	98
94)	p-isopropyltoluene	15.139	119	1610997	59.43	ug/kg	97
95)	1,4-dichlorobenzene	15.132	146	821645	58.85	ug/kg	99
96)	1,2-dichlorobenzene	15.496	146	751300	55.22	ug/kg	98
97)	n-butylbenzene	15.563	91	1720921	62.09	ug/kg	99
98)	1,2-dibromo-3-chloropr...	15.981	75	100479	61.89	ug/kg	93
99)	1,3,5-trichlorobenzene	16.796	180	652437	64.26	ug/kg	96
100)	1,2,4-trichlorobenzene	17.335	180	610124	61.95	ug/kg	98
101)	hexachlorobutadiene	17.611	225	532471	72.33	ug/kg	91
102)	naphthalene	17.591	128	905342	52.64	ug/kg	100
103)	1,2,3-trichlorobenzene	17.786	180	560689	63.21	ug/kg	94
104)	2-Methylnaphthalene	18.891	142	115520	23.10	ug/kg	100
105)	1-Methylnaphthalene	19.113	142	106289	23.44	ug/kg	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71169.D
Acq On : 21 Aug 2013 9:58 am
Operator : krystend
Sample : bs
Misc : ms29699,msp2331,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 10:24:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/21/13 13:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71170.D
Acq On : 21 Aug 2013 10:26 am
Operator : krystend
Sample : bsd
Misc : ms29699,msp2331,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 11:05:37 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	255117	500.00	ug/kg	0.00
4) pentafluorobenzene	8.450	168	690718	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	846585	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.539	82	541364	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	457079	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	342630	49.29	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 98.58%#			
60) toluene-d8 (s)	11.090	98	1034585	44.11	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 88.22%#			
82) bromofluorobenzene (s)	13.771	95	451347	39.32	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 78.64%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	352846	619.60	ug/kg	97
3) Ethanol	4.987	45	351446	4690.48	ug/kg	95
5) dichlorodifluoromethane	4.152	85	432799	76.41	ug/kg	99
6) chloromethane	4.111	50	423757	71.58	ug/kg	99
7) vinyl chloride	4.334	62	440480	55.97	ug/kg	99
8) bromomethane	4.798	96	199024	70.27	ug/kg	95
9) chloroethane	4.960	64	205255	64.28	ug/kg	99
10) ethyl ether	5.809	59	229387	57.55	ug/kg	95
11) acetonitrile	5.472	41	192756	69.54	ug/kg	99
12) trichlorofluoromethane	5.566	101	939757	75.69	ug/kg	97
13) freon-113	6.314	101	374188	64.79	ug/kg	94
14) acrolein	5.573	56	143628	392.15	ug/kg	99
15) 1,1-dichloroethene	6.126	96	312537m	69.89	ug/kg	
16) acetone	5.701	58	41665	54.68	ug/kg#	80
17) Methyl Acetate	6.321	43	269259	40.81	ug/kg	97
18) methylene chloride	6.280	84	316184	59.17	ug/kg	98
19) methyl tert butyl ether	7.048	73	644942	57.57	ug/kg	95
20) acrylonitrile	6.193	53	78771	44.37	ug/kg	88
21) allyl chloride	6.368	41	517452	69.99	ug/kg	95
22) trans-1,2-dichloroethene	6.954	96	314272	51.11	ug/kg	99
23) iodomethane	6.179	142	336921	77.50	ug/kg	85
24) carbon disulfide	6.536	76	1015850	62.44	ug/kg	100
25) propionitrile	7.230	54	30628	35.50	ug/kg	100
26) vinyl acetate	7.318	43	373709	41.16	ug/kg	100
27) chloroprene	7.560	53	772561	61.41	ug/kg	91
28) di-isopropyl ether	7.608	45	1165740	48.38	ug/kg	96
29) methacrylonitrile	7.722	41	206331	50.45	ug/kg	93
30) 2-butanone	7.621	72	40858	44.38	ug/kg#	80
31) Hexane	7.581	41	762229	55.35	ug/kg#	82
32) 1,1-dichloroethane	7.203	63	730974	59.00	ug/kg	99
33) tert-butyl ethyl ether	7.998	59	422171	48.13	ug/kg	97
34) isobutyl alcohol	7.608	43	1165217	258.90	ug/kg	84
35) 2,2-dichloropropane	8.045	77	534881	60.51	ug/kg	97
36) cis-1,2-dichloroethene	7.762	96	364023	52.35	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71170.D
Acq On : 21 Aug 2013 10:26 am
Operator : krystend
Sample : bsd
Misc : ms29699,msp2331,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 11:05:37 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.295	43	21883	43.21	ug/kg#	62
38) bromochloromethane	7.931	128	151511	60.76	ug/kg#	85
39) chloroform	7.965	83	900190	67.05	ug/kg	98
41) Tetrahydrofuran	8.301	42	76800	36.68	ug/kg	99
42) 1,1,1-trichloroethane	8.699	97	928682	76.37	ug/kg	99
44) Cyclohexane	8.982	56	542283	45.49	ug/kg	87
45) carbon tetrachloride	9.063	117	849725	96.63	ug/kg	97
46) 1,1-dichloropropene	8.881	75	584487	61.08	ug/kg	98
47) benzene	9.096	78	1340541	55.63	ug/kg	100
48) 1,2-dichloroethane	8.611	62	775530	72.56	ug/kg	98
49) tert-amyl methyl ether	9.231	73	350090	59.07	ug/kg	98
50) heptane	9.581	43	537146	47.84	ug/kg	97
51) trichloroethene	9.716	95	446797	62.82	ug/kg	94
52) 1,2-dichloropropane	9.682	63	344727	51.85	ug/kg	100
53) dibromomethane	9.655	93	244988	72.06	ug/kg	90
54) bromodichloromethane	9.770	83	682277	77.14	ug/kg	98
55) Methylcyclohexane	10.228	83	584805	52.62	ug/kg	96
56) 2-chloroethyl vinyl ether	10.221	63	10577	79.55	ug/kg#	99
57) methyl methacrylate	9.878	69	192656	53.60	ug/kg	91
58) 1,4-dioxane	9.878	88	13806	255.00	ug/kg	86
59) cis-1,3-dichloropropene	10.390	75	579721	58.57	ug/kg	97
61) 4-methyl-2-pentanone	10.497	43	328648	54.73	ug/kg	96
62) toluene	11.158	92	868373	57.05	ug/kg	97
63) trans-1,3-dichloropropene	10.814	75	541698	59.36	ug/kg	93
64) 1,1,2-trichloroethane	10.982	83	237765	52.83	ug/kg	98
65) ethyl methacrylate	11.198	69	406240	56.08	ug/kg	93
67) tetrachloroethene	11.899	166	466125	65.42	ug/kg	94
68) 1,3-dichloropropane	11.218	76	539594	54.48	ug/kg	100
69) dibromochloromethane	11.494	129	436368	66.97	ug/kg	94
70) 1,2-dibromoethane	11.750	107	308249	53.42	ug/kg	100
71) 2-hexanone	11.360	43	256342	50.87	ug/kg	92
72) chlorobenzene	12.572	112	910314	50.42	ug/kg	95
73) 1,1,1,2-tetrachloroethane	12.498	131	399952	65.97	ug/kg	96
74) ethylbenzene	12.754	91	1824133	53.99	ug/kg	96
75) m,p-xylene	12.943	106	1235158	99.13	ug/kg	90
76) o-xylene	13.347	106	632128	51.13	ug/kg	85
77) styrene	13.280	104	887816	48.08	ug/kg	89
78) bromoform	13.098	173	293840	72.13	ug/kg	96
79) trans-1,4-dichloro-2-b...	13.509	53	100098	63.81	ug/kg#	78
81) isopropylbenzene	13.711	105	1821223	47.78	ug/kg	99
83) bromobenzene	13.994	156	451942	56.02	ug/kg	86
84) 1,1,2,2-tetrachloroethane	13.360	83	391103	49.57	ug/kg	99
85) 1,2,3-trichloropropane	13.502	75	449179	54.63	ug/kg	100
86) n-propylbenzene	14.162	91	2147112	49.92	ug/kg	99
87) 2-chlorotoluene	14.270	91	1349287	49.11	ug/kg	97
88) 4-chlorotoluene	14.351	91	1414536	51.41	ug/kg	98
89) 1,3,5-trimethylbenzene	14.438	105	1569874	49.39	ug/kg	99
90) tert-butylbenzene	14.741	91	1125575	53.55	ug/kg	92
91) 1,2,4-trimethylbenzene	14.849	105	1577029	51.44	ug/kg	96
92) sec-butylbenzene	14.964	105	2014940	50.50	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71170.D
Acq On : 21 Aug 2013 10:26 am
Operator : krystend
Sample : bsd
Misc : ms29699,msp2331,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 11:05:37 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

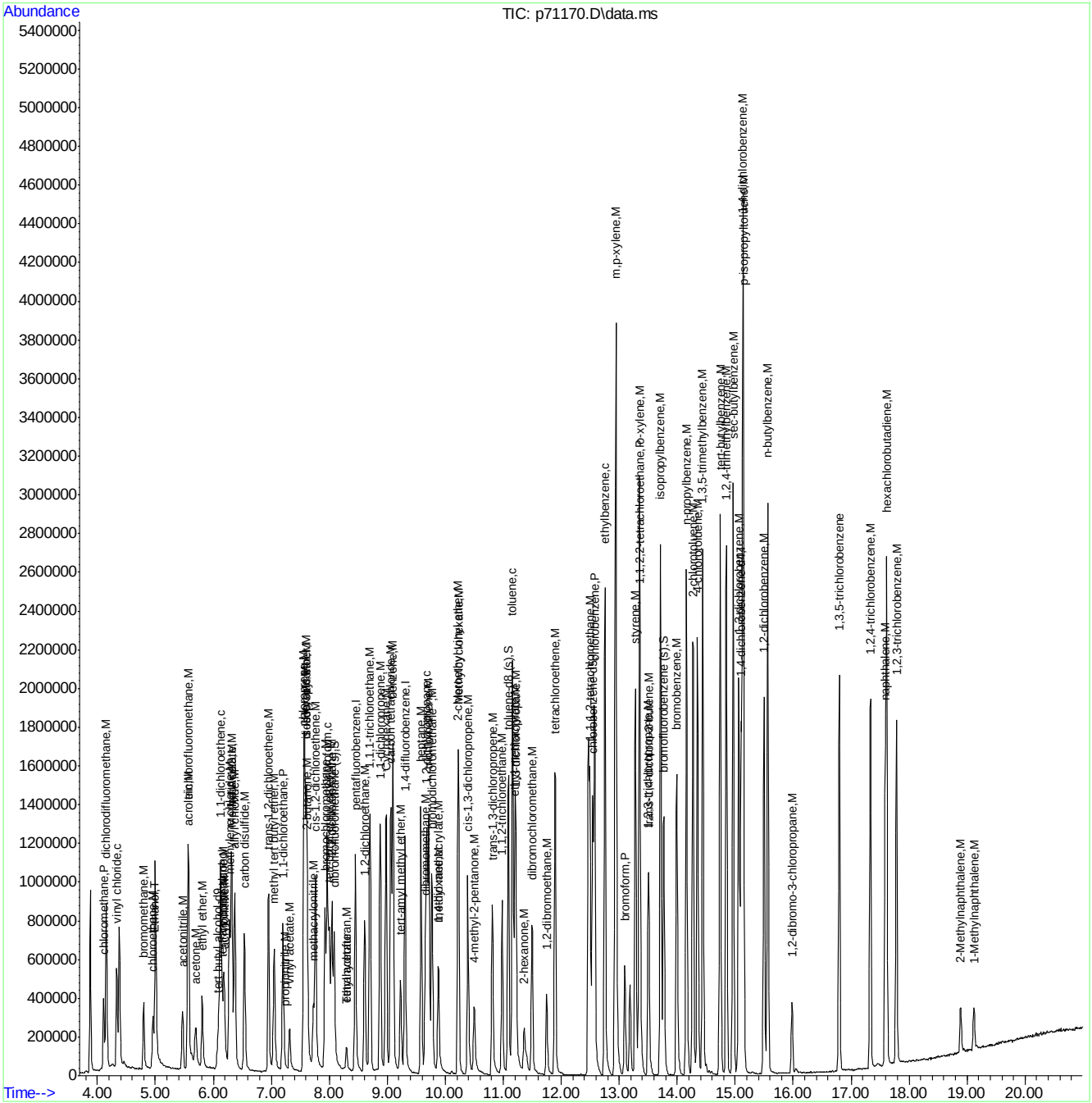
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	834431	55.13	ug/kg	98
94)	p-isopropyltoluene	15.139	119	1639616	57.93	ug/kg	97
95)	1,4-dichlorobenzene	15.132	146	874585	60.00	ug/kg	98
96)	1,2-dichlorobenzene	15.496	146	790978	55.68	ug/kg	99
97)	n-butylbenzene	15.563	91	1737604	60.04	ug/kg	100
98)	1,2-dibromo-3-chloropr...	15.981	75	104835	61.84	ug/kg	98
99)	1,3,5-trichlorobenzene	16.796	180	650934	61.40	ug/kg	96
100)	1,2,4-trichlorobenzene	17.335	180	621811	60.52	ug/kg	97
101)	hexachlorobutadiene	17.611	225	535985	69.73	ug/kg	93
102)	naphthalene	17.591	128	1008049	55.61	ug/kg	100
103)	1,2,3-trichlorobenzene	17.786	180	585021	63.17	ug/kg	94
104)	2-Methylnaphthalene	18.891	142	123030	23.57	ug/kg	100
105)	1-Methylnaphthalene	19.120	142	111223	23.49	ug/kg	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71170.D
Acq On : 21 Aug 2013 10:26 am
Operator : krystend
Sample : bsd
Misc : ms29699,msp2331,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 11:05:37 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
08/22/13 09:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.076	65	17446	500.00	ppb		-0.02
4) pentafluorobenzene	5.071	168	62035m	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	94164	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	62479	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	58750	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	40152	46.70	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.40%				
60) toluene-d8 (s)	7.878	98	166121	52.09	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.18%				
82) bromofluorobenzene (s)	10.867	95	81104	48.39	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.78%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.147	59	26430	533.99	ppb		98
3) Ethanol	2.425	45	22413	6364.52	ppb		99
5) dichlorodifluoromethane	1.650	85	76014m	78.75	ppb		
6) chloromethane	1.835	50	40802	76.81	ppb		97
7) vinyl chloride	1.922	62	15254m	59.69	ppb		
8) bromomethane	2.283	96	31697	68.20	ppb		99
9) chloroethane	2.342	64	23368	71.10	ppb		82
10) ethyl ether	2.782	59	24899	42.24	ppb		77
11) acetonitrile	3.412	41	45451	40.09	ppb		82
12) trichlorofluoromethane	2.608	101	71007	52.31	ppb		88
13) freon-113	2.934	101	46934	49.73	ppb		98
14) acrolein	2.903	56	15090	267.20	ppb		99
15) 1,1-dichloroethene	3.092	96	39097	47.24	ppb		97
16) acetone	2.960	58	5453	44.74	ppb		91
17) Methyl Acetate	3.371	43	22763	27.91	ppb	#	70
18) methylene chloride	3.531	84	38109	41.01	ppb	#	71
19) methyl tert butyl ether	3.662	73	101543	44.16	ppb		87
20) acrylonitrile	3.634	53	10262	38.12	ppb		96
21) allyl chloride	3.412	41	45451	39.97	ppb		66
22) trans-1,2-dichloroethene	3.799	96	38792	43.97	ppb		88
23) iodomethane	3.386	142	72763	47.64	ppb		90
24) carbon disulfide	3.587	76	116259	44.39	ppb		100
25) propionitrile	4.716	54	3616	38.74	ppb		100
26) vinyl acetate	4.208	43	45151	30.27	ppb		91
27) chloroprene	4.309	53	58485	48.96	ppb		81
28) di-isopropyl ether	4.092	45	94669	37.84	ppb		86
29) methacrylonitrile	4.927	41	19936	40.01	ppb		65
30) 2-butanone	4.637	72	6125	59.81	ppb	#	43
31) Ethyl Acetate	4.807	43	21236	212.65	ug/L	#	100
32) Hexane	3.849	41	37022	46.63	ppb	#	99
33) 1,1-dichloroethane	4.217	63	64804	45.79	ppb		96
34) tert-butyl ethyl ether	4.504	59	105498	43.94	ppb		90
35) isobutyl alcohol	4.950	43	5633	207.66	ppb		88
36) 2,2-dichloropropane	4.794	77	47710	54.39	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.834	96	41477	43.72	ppb	#	79
38)	bromochloromethane	5.176	128	21037	49.89	ppb	#	67
39)	chloroform	5.000	83	72710	47.56	ppb		98
41)	Tetrahydrofuran	5.216	42	6772	39.65	ppb		57
42)	1,1,1-trichloroethane	5.434	97	67924	52.77	ppb		89
44)	Cyclohexane	5.449	56	58926	43.07	ppb	#	71
45)	carbon tetrachloride	5.710	117	65807	55.50	ppb		99
46)	1,1-dichloropropene	5.595	75	57613	47.72	ppb		97
47)	benzene	5.894	78	150212	42.65	ppb		97
48)	1,2-dichloroethane	5.875	62	56174	46.83	ppb		99
49)	tert-amyl methyl ether	5.718	73	101153	46.69	ppb		85
50)	heptane	5.741	43	72573	44.06	ppb		73
51)	trichloroethene	6.562	95	44757	44.84	ppb		91
52)	1,2-dichloropropane	6.759	63	35418	42.15	ppb		95
53)	dibromomethane	7.076	93	24859	51.74	ppb		98
54)	bromodichloromethane	7.017	83	53234	49.64	ppb		97
55)	Methylcyclohexane	6.629	83	69997	50.35	ppb	#	78
56)	2-chloroethyl vinyl ether	7.348	63	4054	40.78	ppb		93
57)	methyl methacrylate	6.816	69	21200	45.97	ppb	#	62
58)	1,4-dioxane	7.048	88	1431	208.14	ppb	#	64
59)	cis-1,3-dichloropropene	7.610	75	67173	48.84	ppb		97
61)	4-methyl-2-pentanone	7.378	43	29682	46.20	ppb		76
62)	toluene	7.965	92	113801	54.17	ppb		98
63)	trans-1,3-dichloropropene	8.162	75	76134	64.70	ppb		93
64)	1,1,2-trichloroethane	8.335	83	38575	62.15	ppb		96
65)	ethyl methacrylate	8.149	69	55243	64.84	ppb	#	72
67)	tetrachloroethene	8.679	166	64882	52.41	ppb		99
68)	1,3-dichloropropane	8.612	76	78538	48.47	ppb		97
69)	dibromochloromethane	8.905	129	53320	50.63	ppb		95
70)	1,2-dibromoethane	9.124	107	49769	49.07	ppb		92
71)	2-hexanone	8.342	43	42728	68.24	ppb		92
72)	chlorobenzene	9.580	112	163143	46.61	ppb		95
73)	1,1,1,2-tetrachloroethane	9.627	131	57224	49.99	ppb		98
74)	ethylbenzene	9.635	91	281279	49.89	ppb		96
75)	m,p-xylene	9.719	106	215401	99.09	ppb		89
76)	o-xylene	10.198	106	103079	48.84	ppb		87
77)	styrene	10.237	104	168881	50.04	ppb		91
78)	bromoform	10.611	173	30212	53.00	ppb		100
79)	trans-1,4-dichloro-2-b...	10.644	53	15797	48.04	ppb		84
81)	isopropylbenzene	10.590	105	276495	49.94	ppb		96
83)	bromobenzene	11.080	156	68904	49.54	ppb		88
84)	1,1,2,2-tetrachloroethane	10.781	83	55043	48.28	ppb		96
85)	1,2,3-trichloropropane	10.942	75	44865	48.56	ppb		97
86)	n-propylbenzene	11.029	91	321846	49.45	ppb		93
87)	2-chlorotoluene	11.223	91	219221	47.47	ppb		92
88)	4-chlorotoluene	11.277	91	200663	48.59	ppb		88
89)	1,3,5-trimethylbenzene	11.202	105	231096	49.56	ppb		95
90)	tert-butylbenzene	11.597	91	154097	48.52	ppb		84
91)	1,2,4-trimethylbenzene	11.633	105	231434	49.21	ppb		96
92)	sec-butylbenzene	11.825	105	275394	48.88	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

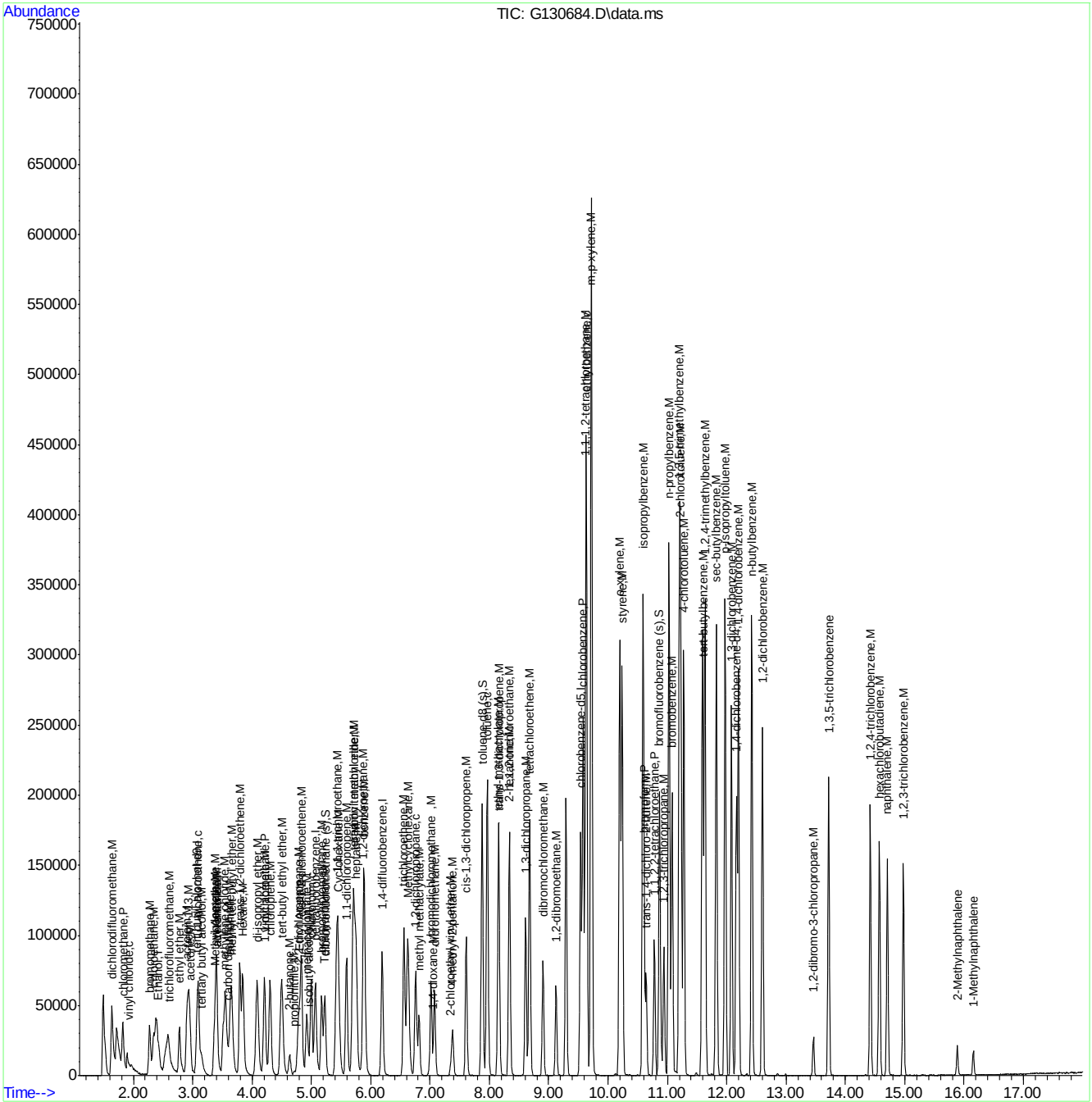
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	127731	46.39	ppb		94
94)	p-isopropyltoluene	11.974	119	234659	53.60	ppb		95
95)	1,4-dichlorobenzene	12.197	146	129862	47.81	ppb		97
96)	1,2-dichlorobenzene	12.602	146	119176	46.20	ppb		97
97)	n-butylbenzene	12.422	91	211342	50.95	ppb		93
98)	1,2-dibromo-3-chloropr...	13.460	75	7924	46.02	ppb	#	75
99)	1,3,5-trichlorobenzene	13.718	180	76477	45.27	ug/L		99
100)	1,2,4-trichlorobenzene	14.420	180	68192	47.24	ppb		97
101)	hexachlorobutadiene	14.573	225	40193	51.52	ppb		98
102)	naphthalene	14.707	128	136385	47.04	ppb		100
103)	2-Methylnaphthalene	15.887	142	12208	26.20	ug/L		96
104)	1-Methylnaphthalene	16.155	142	9396	23.72	ug/L		96
105)	1,2,3-trichlorobenzene	14.977	180	53178	49.83	ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 09:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130685.D
Acq On : 21 Aug 2013 11:11 am
Operator : jaimem
Sample : bsd
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 11:59:44 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.078	65	26323	500.00	ppb		-0.02
4) pentafluorobenzene	5.071	168	79304	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	125240	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	61988	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	58125	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	53652	48.82	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.64%				
60) toluene-d8 (s)	7.878	98	203360	47.94	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.88%				
82) bromofluorobenzene (s)	10.867	95	80520	48.56	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.12%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.148	59	40080	536.69	ppb		99
3) Ethanol	2.439	45	24575	4625.08	ppb		96
5) dichlorodifluoromethane	1.648	85	68913m	55.85	ppb		
6) chloromethane	1.828	50	35819	52.75	ppb		98
7) vinyl chloride	1.925	62	14827	44.16	ppb		100
8) bromomethane	2.282	96	31690	53.34	ppb		99
9) chloroethane	2.342	64	23136	55.06	ppb		88
10) ethyl ether	2.784	59	39199	52.02	ppb		73
11) acetonitrile	3.417	41	72933	50.33	ppb		90
12) trichlorofluoromethane	2.611	101	88511	51.01	ppb		97
13) freon-113	2.934	101	65666	54.42	ppb		93
14) acrolein	2.904	56	24578	340.43	ppb		99
15) 1,1-dichloroethene	3.094	96	57230	54.10	ppb		89
16) acetone	2.962	58	8524	57.93	ppb		96
17) Methyl Acetate	3.374	43	39289	37.69	ppb	#	79
18) methylene chloride	3.535	84	56531	47.59	ppb	#	79
19) methyl tert butyl ether	3.663	73	143527	48.83	ppb		93
20) acrylonitrile	3.635	53	16724	48.60	ppb		92
21) allyl chloride	3.417	41	72933	50.18	ppb		81
22) trans-1,2-dichloroethene	3.800	96	55358	49.08	ppb		88
23) iodomethane	3.388	142	97696	50.03	ppb		87
24) carbon disulfide	3.593	76	175508	52.42	ppb		98
25) propionitrile	4.717	54	6056	50.75	ppb		100
26) vinyl acetate	4.209	43	71300	37.39	ppb		94
27) chloroprene	4.312	53	82785	54.21	ppb		74
28) di-isopropyl ether	4.093	45	150804	47.15	ppb		88
29) methacrylonitrile	4.927	41	31228	49.03	ppb		65
30) 2-butanone	4.637	72	8656	66.12	ppb	#	47
31) Ethyl Acetate	4.807	43	33382	261.49	ug/L	#	99
32) Hexane	3.850	41	54307	53.51	ppb	#	90
33) 1,1-dichloroethane	4.217	63	94942	52.48	ppb		96
34) tert-butyl ethyl ether	4.505	59	152491	49.69	ppb		89
35) isobutyl alcohol	4.948	43	9112	262.76	ppb		98
36) 2,2-dichloropropane	4.794	77	60678	54.11	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130685.D
Acq On : 21 Aug 2013 11:11 am
Operator : jaimem
Sample : bsd
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 11:59:44 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.835	96	57728	47.60	ppb		88
38) bromochloromethane	5.176	128	28698	53.24	ppb	#	79
39) chloroform	5.000	83	98273	50.29	ppb		100
41) Tetrahydrofuran	5.216	42	10791	49.42	ppb		80
42) 1,1,1-trichloroethane	5.433	97	85579	52.00	ppb		93
44) Cyclohexane	5.450	56	88506	48.63	ppb	#	75
45) carbon tetrachloride	5.710	117	82124	52.07	ppb		97
46) 1,1-dichloropropene	5.595	75	79512	49.52	ppb		97
47) benzene	5.894	78	214285	45.74	ppb		96
48) 1,2-dichloroethane	5.875	62	73021	45.77	ppb		96
49) tert-amyl methyl ether	5.723	73	144694	50.22	ppb		88
50) heptane	5.742	43	108440	49.50	ppb		84
51) trichloroethene	6.562	95	59513	44.82	ppb		89
52) 1,2-dichloropropane	6.759	63	51630	46.20	ppb		98
53) dibromomethane	7.076	93	34072	53.32	ppb		91
54) bromodichloromethane	7.018	83	69393	48.65	ppb		95
55) Methylcyclohexane	6.630	83	95814	51.81	ppb	#	81
56) 2-chloroethyl vinyl ether	7.348	63	5870	42.86	ppb		92
57) methyl methacrylate	6.816	69	30394	49.56	ppb	#	68
58) 1,4-dioxane	7.053	88	2445	267.38	ppb		71
59) cis-1,3-dichloropropene	7.610	75	86958	47.53	ppb		95
61) 4-methyl-2-pentanone	7.378	43	41211	48.23	ppb		77
62) toluene	7.965	92	139032	49.76	ppb		98
63) trans-1,3-dichloropropene	8.162	75	79765	50.97	ppb		93
64) 1,1,2-trichloroethane	8.335	83	39037	47.28	ppb		91
65) ethyl methacrylate	8.148	69	58710	51.81	ppb	#	72
67) tetrachloroethene	8.678	166	63934	52.05	ppb		97
68) 1,3-dichloropropane	8.611	76	78005	48.52	ppb		99
69) dibromochloromethane	8.904	129	53581	51.28	ppb		97
70) 1,2-dibromoethane	9.124	107	49861	49.55	ppb		99
71) 2-hexanone	8.342	43	38406	61.82	ppb		91
72) chlorobenzene	9.580	112	160386	46.19	ppb		95
73) 1,1,1,2-tetrachloroethane	9.626	131	56096	49.40	ppb		98
74) ethylbenzene	9.635	91	274066	49.00	ppb		97
75) m,p-xylene	9.719	106	211488	98.06	ppb		91
76) o-xylene	10.198	106	100939	48.21	ppb		85
77) styrene	10.237	104	167118	49.91	ppb		88
78) bromoform	10.611	173	30269	53.52	ppb		96
79) trans-1,4-dichloro-2-b...	10.643	53	15667	48.02	ppb		83
81) isopropylbenzene	10.589	105	272722	49.79	ppb		96
83) bromobenzene	11.080	156	68757	49.96	ppb		86
84) 1,1,2,2-tetrachloroethane	10.781	83	55348	49.07	ppb		96
85) 1,2,3-trichloropropane	10.941	75	45415	49.68	ppb		95
86) n-propylbenzene	11.029	91	313192	48.63	ppb		96
87) 2-chlorotoluene	11.223	91	216096	47.29	ppb		90
88) 4-chlorotoluene	11.277	91	196545	48.10	ppb		89
89) 1,3,5-trimethylbenzene	11.202	105	227220	49.26	ppb		96
90) tert-butylbenzene	11.597	91	151211	48.12	ppb		86
91) 1,2,4-trimethylbenzene	11.633	105	228471	49.10	ppb		96
92) sec-butylbenzene	11.824	105	271810	48.77	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130685.D
Acq On : 21 Aug 2013 11:11 am
Operator : jaimem
Sample : bsd
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 11:59:44 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

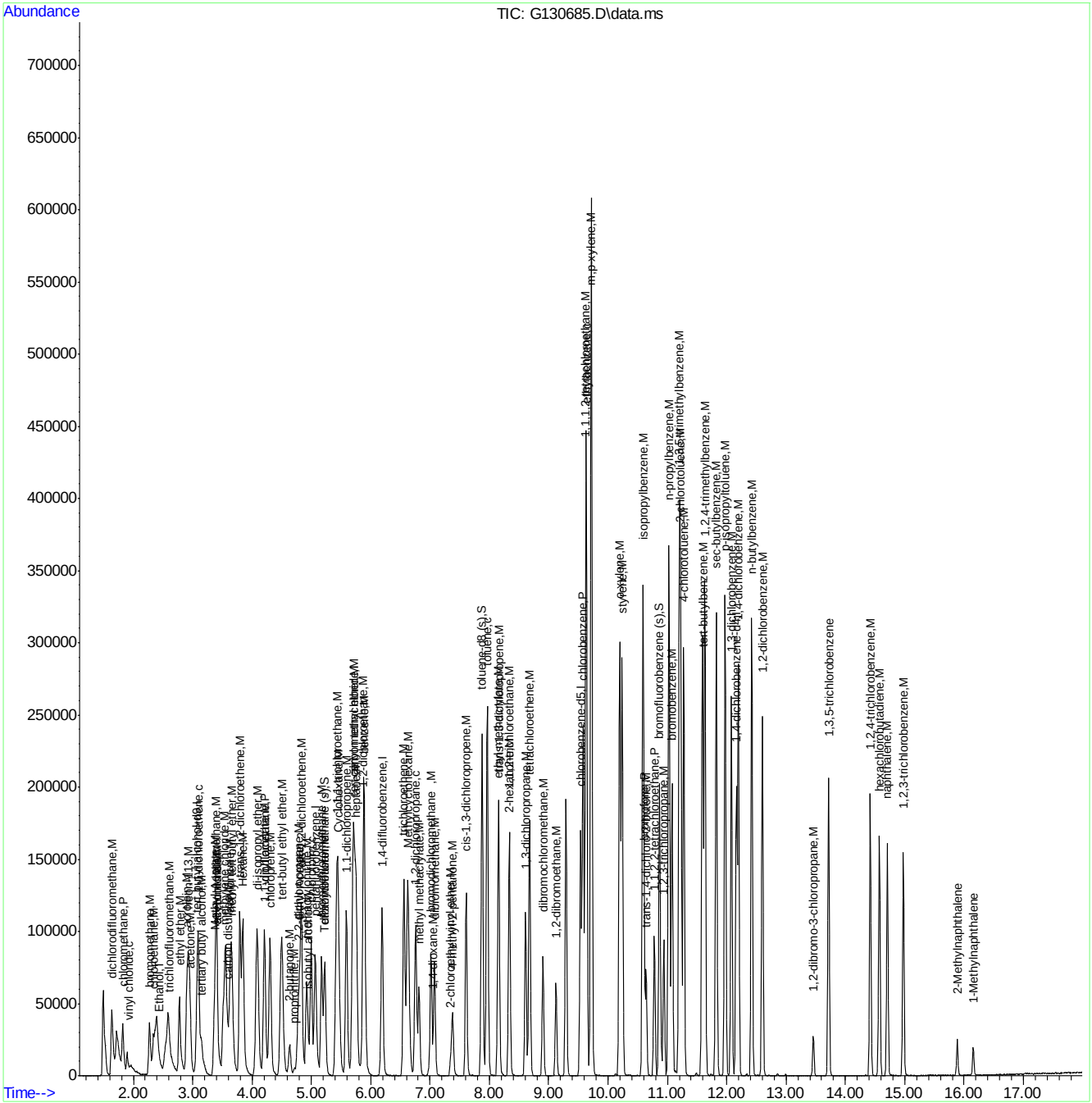
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.080	146	125554	46.09	ppb		96
94) p-isopropyltoluene	11.974	119	231173	53.37	ppb		95
95) 1,4-dichlorobenzene	12.197	146	128390	47.78	ppb		97
96) 1,2-dichlorobenzene	12.602	146	118925	46.60	ppb		97
97) n-butylbenzene	12.422	91	207131	50.47	ppb		94
98) 1,2-dibromo-3-chloropr...	13.460	75	8337	48.94	ppb	#	78
99) 1,3,5-trichlorobenzene	13.717	180	76186	45.58	ug/L		100
100) 1,2,4-trichlorobenzene	14.420	180	67825	47.49	ppb		100
101) hexachlorobutadiene	14.573	225	39386	51.03	ppb		100
102) naphthalene	14.708	128	140660	48.89	ppb		100
103) 2-Methylnaphthalene	15.887	142	13044	27.35	ug/L		96
104) 1-Methylnaphthalene	16.156	142	10550	25.81	ug/L		96
105) 1,2,3-trichlorobenzene	14.977	180	54566	51.68	ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130685.D
Acq On : 21 Aug 2013 11:11 am
Operator : jaimem
Sample : bsd
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 11:59:44 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71191.D
Acq On : 21 Aug 2013 8:16 pm
Operator : krystend
Sample : mc23502-28ms
Misc : ms29711,msp2331,5.690,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 22 08:56:19 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	350986	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	581365	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	712578	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	468976	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	369605	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.085	113	305967	52.29	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 104.58%#			
60) toluene-d8 (s)	11.090	98	886461	44.91	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 89.82%#			
82) bromofluorobenzene (s)	13.771	95	394472	42.50	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 85.00%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	410329	523.73	ug/kg	96
3) Ethanol	4.987	45	339743	3184.74	ug/kg	89
5) dichlorodifluoromethane	4.151	85	272998	57.26	ug/kg	100
6) chloromethane	4.111	50	209490	42.04	ug/kg	98
7) vinyl chloride	4.333	62	271701	41.01	ug/kg	98
8) bromomethane	4.798	96	113007	49.87	ug/kg	97
9) chloroethane	4.960	64	129411	48.15	ug/kg	97
10) ethyl ether	5.809	59	161932	48.27	ug/kg	95
11) acetonitrile	5.472	41	156881	67.25	ug/kg	98
12) trichlorofluoromethane	5.566	101	655722	62.75	ug/kg	98
13) freon-113	6.314	101	257347	52.94	ug/kg	90
14) acrolein	5.566	56	59864	195.72	ug/kg	95
15) 1,1-dichloroethene	6.125	96	200215	53.19	ug/kg	96
16) acetone	5.701	58	64652	107.85	ug/kg#	58
17) Methyl Acetate	6.320	43	196883	35.46	ug/kg#	92
18) methylene chloride	6.280	84	221311	49.44	ug/kg	100
19) methyl tert butyl ether	7.048	73	507147	53.78	ug/kg	95
20) acrylonitrile	6.199	53	73715	49.33	ug/kg	88
21) allyl chloride	6.368	41	311141	50.00	ug/kg	96
22) trans-1,2-dichloroethene	6.954	96	199660	38.58	ug/kg	97
23) iodomethane	6.186	142	214163	59.69	ug/kg	80
24) carbon disulfide	6.536	76	610283	47.30	ug/kg	99
25) propionitrile	7.230	54	27624	37.85	ug/kg	100
26) vinyl acetate	7.311	43	242405	31.72	ug/kg	99
27) chloroprene	7.560	53	491272	46.39	ug/kg	88
28) di-isopropyl ether	7.607	45	774984	38.21	ug/kg	93
29) methacrylonitrile	7.728	41	162441	47.19	ug/kg	97
30) 2-butanone	7.627	72	32991	42.61	ug/kg#	28
31) Hexane	7.580	41	517980	44.69	ug/kg#	75
32) 1,1-dichloroethane	7.203	63	484468	46.46	ug/kg	97
33) tert-butyl ethyl ether	7.998	59	338124	46.28	ug/kg	97
34) isobutyl alcohol	7.614	43	827531	218.46	ug/kg	97
35) 2,2-dichloropropane	8.045	77	297833	43.70	ug/kg	94
36) cis-1,2-dichloroethene	7.762	96	235764	40.28	ug/kg	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71191.D
Acq On : 21 Aug 2013 8:16 pm
Operator : krystend
Sample : mc23502-28ms
Misc : ms29711,msp2331,5.690,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 22 08:56:19 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.294	43	16991	39.70	ug/kg#	62
38) bromochloromethane	7.924	128	99563	47.44	ug/kg	100
39) chloroform	7.964	83	603980	53.45	ug/kg	97
41) Tetrahydrofuran	8.294	42	68526	38.89	ug/kg	98
42) 1,1,1-trichloroethane	8.705	97	617873	60.37	ug/kg	96
44) Cyclohexane	8.975	56	343372	34.22	ug/kg	91
45) carbon tetrachloride	9.062	117	564584	76.28	ug/kg	99
46) 1,1-dichloropropene	8.880	75	363238	45.09	ug/kg	97
47) benzene	9.096	78	862533	42.22	ug/kg	99
48) 1,2-dichloroethane	8.611	62	572977	63.69	ug/kg	94
49) tert-amyl methyl ether	9.231	73	295989	59.30	ug/kg	96
50) heptane	9.581	43	342728	36.27	ug/kg	98
51) trichloroethene	9.716	95	284872	47.31	ug/kg	98
52) 1,2-dichloropropane	9.682	63	223991	40.03	ug/kg	100
53) dibromomethane	9.655	93	181378	63.39	ug/kg	94
54) bromodichloromethane	9.770	83	448749	60.28	ug/kg	100
55) Methylcyclohexane	10.228	83	369723	39.53	ug/kg	97
56) 2-chloroethyl vinyl ether	10.221	63	6786	58.63	ug/kg#	82
57) methyl methacrylate	9.884	69	158453	52.37	ug/kg	89
58) 1,4-dioxane	9.891	88	15676	338.54	ug/kg	74
59) cis-1,3-dichloropropene	10.389	75	377446	45.30	ug/kg	97
61) 4-methyl-2-pentanone	10.497	43	292097	57.79	ug/kg	94
62) toluene	11.157	92	596368	46.55	ug/kg	98
63) trans-1,3-dichloropropene	10.814	75	374378	49.38	ug/kg	93
64) 1,1,2-trichloroethane	10.982	83	169430	44.72	ug/kg	98
65) ethyl methacrylate	11.198	69	303930	50.02	ug/kg	94
67) tetrachloroethene	11.898	166	293813	47.60	ug/kg	96
68) 1,3-dichloropropane	11.218	76	394451	45.97	ug/kg	99
69) dibromochloromethane	11.494	129	303750	54.86	ug/kg	97
70) 1,2-dibromoethane	11.750	107	223642	44.74	ug/kg	98
71) 2-hexanone	11.359	43	195860	44.86	ug/kg	92
72) chlorobenzene	12.579	112	562446	35.96	ug/kg	97
73) 1,1,1,2-tetrachloroethane	12.498	131	266441	50.73	ug/kg	95
74) ethylbenzene	12.754	91	1149541	39.27	ug/kg	95
75) m,p-xylene	12.942	106	785415	72.77	ug/kg	84
76) o-xylene	13.353	106	402040	37.54	ug/kg	85
77) styrene	13.279	104	526898	32.94	ug/kg	87
78) bromoform	13.097	173	209977	61.19	ug/kg	99
79) trans-1,4-dichloro-2-b...	13.508	53	79020	59.22	ug/kg#	86
81) isopropylbenzene	13.717	105	1091273	35.40	ug/kg	100
83) bromobenzene	13.993	156	267723	41.04	ug/kg	88
84) 1,1,2,2-tetrachloroethane	13.353	83	301397	47.24	ug/kg	98
85) 1,2,3-trichloropropane	13.501	75	355754	53.51	ug/kg	99
86) n-propylbenzene	14.162	91	1287235	37.01	ug/kg	100
87) 2-chlorotoluene	14.269	91	812156	36.56	ug/kg	98
88) 4-chlorotoluene	14.350	91	847432	38.09	ug/kg	98
89) 1,3,5-trimethylbenzene	14.438	105	955901	37.19	ug/kg	100
90) tert-butylbenzene	14.741	91	678814	39.94	ug/kg	94
91) 1,2,4-trimethylbenzene	14.849	105	943017	38.04	ug/kg	99
92) sec-butylbenzene	14.963	105	1173742	36.38	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71191.D
Acq On : 21 Aug 2013 8:16 pm
Operator : krystend
Sample : mc23502-28ms
Misc : ms29711,msp2331,5.690,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 22 08:56:19 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

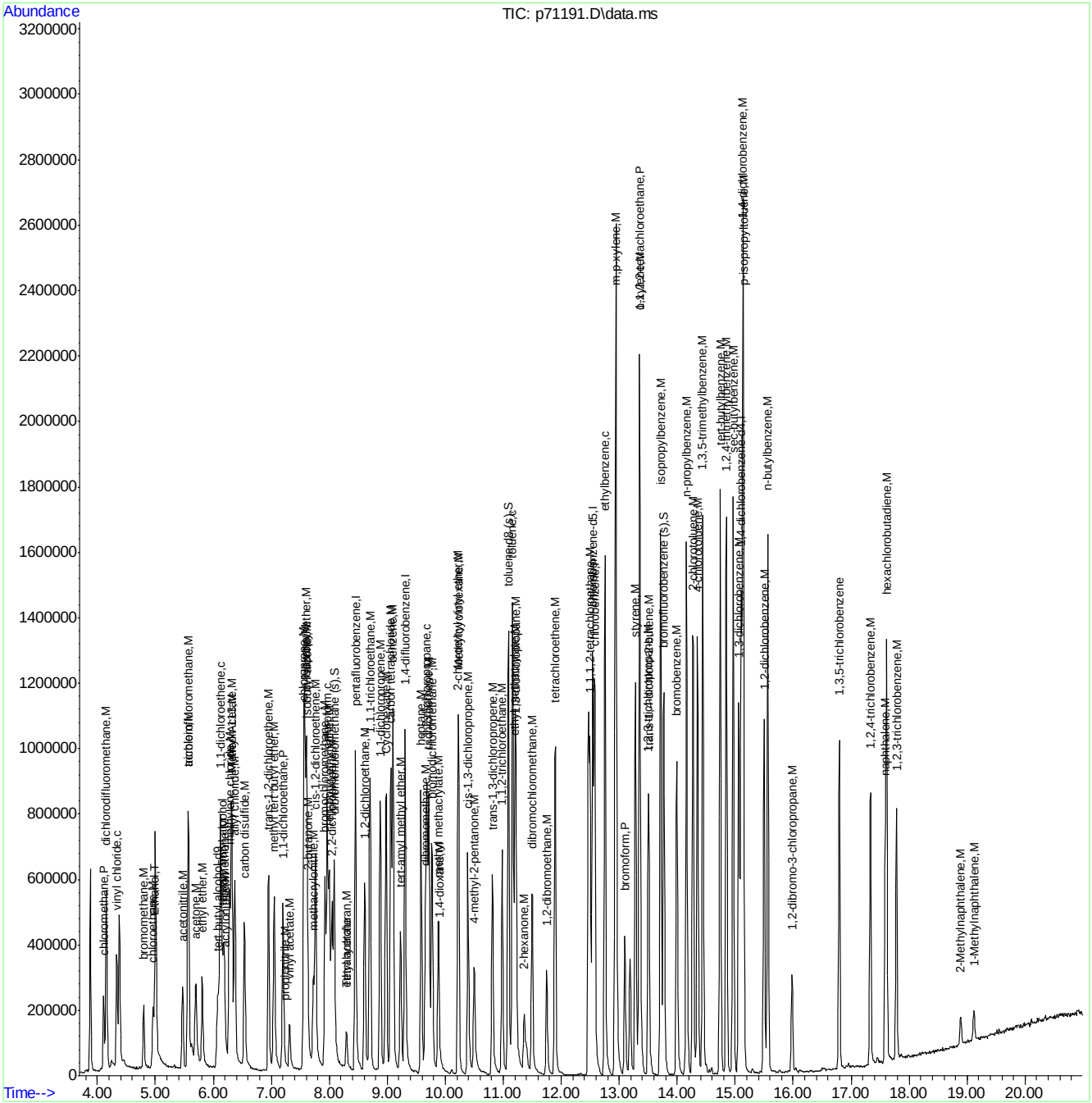
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.064	146	465328	38.02	ug/kg	98
94) p-isopropyltoluene	15.138	119	958809	41.89	ug/kg	96
95) 1,4-dichlorobenzene	15.132	146	484880	41.13	ug/kg	100
96) 1,2-dichlorobenzene	15.502	146	440138	38.31	ug/kg	96
97) n-butylbenzene	15.563	91	939684	40.15	ug/kg	98
98) 1,2-dibromo-3-chloropr...	15.980	75	86992	63.30	ug/kg	100
99) 1,3,5-trichlorobenzene	16.796	180	314023	36.63	ug/kg	97
100) 1,2,4-trichlorobenzene	17.334	180	258588	32.24	ug/kg	92
101) hexachlorobutadiene	17.611	225	261848	42.13	ug/kg	92
102) naphthalene	17.590	128	424338	32.71	ug/kg	100
103) 1,2,3-trichlorobenzene	17.786	180	245619	34.55	ug/kg	91
104) 2-Methylnaphthalene	18.891	142	44060	10.44	ug/kg	92
105) 1-Methylnaphthalene	19.120	142	42405	11.08	ug/kg	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71191.D
Acq On : 21 Aug 2013 8:16 pm
Operator : krystend
Sample : mc23502-28ms
Misc : ms29711,msp2331,5.690,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 22 08:56:19 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71192.D
Acq On : 21 Aug 2013 8:44 pm
Operator : krystend
Sample : mc23502-28msd
Misc : ms29711,msp2331,5.890,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 22 08:56:36 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.072	65	370644	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	655679	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	823028	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.538	82	512369	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	442558	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	348898	52.87	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 105.74%#			
60) toluene-d8 (s)	11.090	98	1021732	44.81	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 89.62%#			
82) bromofluorobenzene (s)	13.771	95	458624	41.27	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 82.54%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	589796	712.87	ug/kg	100
3) Ethanol	4.987	45	509188	4676.53	ug/kg	99
5) dichlorodifluoromethane	4.152	85	416917	77.54	ug/kg	98
6) chloromethane	4.105	50	323816	57.62	ug/kg	100
7) vinyl chloride	4.334	62	420829	56.33	ug/kg	97
8) bromomethane	4.798	96	200199	74.01	ug/kg	99
9) chloroethane	4.953	64	189784	62.61	ug/kg	98
10) ethyl ether	5.809	59	248414	65.65	ug/kg	84
11) acetonitrile	5.472	41	188148	71.51	ug/kg	96
12) trichlorofluoromethane	5.566	101	894678	75.91	ug/kg	98
13) freon-113	6.314	101	360620	65.78	ug/kg	92
14) acrolein	5.573	56	83418	241.10	ug/kg	91
15) 1,1-dichloroethene	6.132	96	281322	66.27	ug/kg	99
16) acetone	5.701	58	80660	120.19	ug/kg#	78
17) Methyl Acetate	6.321	43	275963	44.06	ug/kg#	97
18) methylene chloride	6.280	84	320457	63.07	ug/kg	96
19) methyl tert butyl ether	7.048	73	742609	69.83	ug/kg	91
20) acrylonitrile	6.200	53	102933	61.07	ug/kg	96
21) allyl chloride	6.368	41	425547	60.63	ug/kg	92
22) trans-1,2-dichloroethene	6.954	96	285953	48.99	ug/kg	94
23) iodomethane	6.179	142	334988	80.95	ug/kg	88
24) carbon disulfide	6.536	76	886957	58.20	ug/kg	99
25) propionitrile	7.230	54	39782	47.59	ug/kg	100
26) vinyl acetate	7.311	43	337998	39.22	ug/kg	98
27) chloroprene	7.560	53	700851	58.68	ug/kg	92
28) di-isopropyl ether	7.607	45	1107683	48.43	ug/kg	94
29) methacrylonitrile	7.722	41	242630	62.50	ug/kg	93
30) 2-butanone	7.621	72	48524	55.32	ug/kg	96
31) Hexane	7.580	41	721208	55.17	ug/kg#	80
32) 1,1-dichloroethane	7.203	63	673725	57.29	ug/kg	97
33) tert-butyl ethyl ether	7.998	59	500748	57.62	ug/kg	99
34) isobutyl alcohol	7.607	43	1153799	270.07	ug/kg	88
35) 2,2-dichloropropane	8.039	77	447535	54.62	ug/kg	95
36) cis-1,2-dichloroethene	7.762	96	331261	50.18	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71192.D
Acq On : 21 Aug 2013 8:44 pm
Operator : krystend
Sample : mc23502-28msd
Misc : ms29711,msp2331,5.890,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 22 08:56:36 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.295	43	31777	67.26	ug/kg	88
38) bromochloromethane	7.924	128	149965	63.35	ug/kg	93
39) chloroform	7.964	83	847561	66.50	ug/kg	98
41) Tetrahydrofuran	8.295	42	101281	50.96	ug/kg	93
42) 1,1,1-trichloroethane	8.699	97	872867	75.62	ug/kg	96
44) Cyclohexane	8.982	56	487827	42.09	ug/kg	88
45) carbon tetrachloride	9.062	117	789550	92.35	ug/kg	99
46) 1,1-dichloropropene	8.881	75	525256	56.46	ug/kg	98
47) benzene	9.096	78	1231184	52.49	ug/kg	99
48) 1,2-dichloroethane	8.611	62	811216	78.07	ug/kg	96
49) tert-amyl methyl ether	9.231	73	426957	71.82	ug/kg	98
50) heptane	9.581	43	480443	44.02	ug/kg	97
51) trichloroethene	9.716	95	402971	58.19	ug/kg	95
52) 1,2-dichloropropane	9.682	63	327350	50.65	ug/kg	99
53) dibromomethane	9.655	93	263516	79.73	ug/kg	94
54) bromodichloromethane	9.770	83	672063	78.16	ug/kg	99
55) Methylcyclohexane	10.228	83	529075	48.97	ug/kg	92
56) 2-chloroethyl vinyl ether	10.228	63	9157	69.92	ug/kg#	92
57) methyl methacrylate	9.878	69	245781	70.34	ug/kg	84
58) 1,4-dioxane	9.878	88	24957	460.73	ug/kg	89
59) cis-1,3-dichloropropene	10.390	75	558939	58.08	ug/kg	96
61) 4-methyl-2-pentanone	10.497	43	477723	81.84	ug/kg	94
62) toluene	11.158	92	846295	57.19	ug/kg	96
63) trans-1,3-dichloropropene	10.814	75	544499	61.25	ug/kg	92
64) 1,1,2-trichloroethane	10.982	83	261601	59.79	ug/kg	99
65) ethyl methacrylate	11.198	69	478166	67.58	ug/kg	92
67) tetrachloroethene	11.899	166	431571	64.00	ug/kg	96
68) 1,3-dichloropropane	11.211	76	579700	61.84	ug/kg	99
69) dibromochloromethane	11.494	129	457559	73.62	ug/kg	99
70) 1,2-dibromoethane	11.750	107	339829	62.23	ug/kg	99
71) 2-hexanone	11.360	43	346627	72.67	ug/kg	91
72) chlorobenzene	12.572	112	840122	49.16	ug/kg	97
73) 1,1,1,2-tetrachloroethane	12.498	131	392800	68.46	ug/kg	95
74) ethylbenzene	12.754	91	1681793	52.59	ug/kg	96
75) m,p-xylene	12.943	106	1173893	99.55	ug/kg	83
76) o-xylene	13.354	106	587887	50.24	ug/kg	86
77) styrene	13.279	104	798492	45.69	ug/kg	85
78) bromoform	13.098	173	338847	85.77	ug/kg	99
79) trans-1,4-dichloro-2-b...	13.509	53	124626	80.11	ug/kg#	87
81) isopropylbenzene	13.717	105	1659840	44.97	ug/kg	99
83) bromobenzene	13.994	156	412862	52.85	ug/kg	92
84) 1,1,2,2-tetrachloroethane	13.354	83	456592	59.77	ug/kg	96
85) 1,2,3-trichloropropane	13.509	75	557671	70.05	ug/kg	98
86) n-propylbenzene	14.162	91	1936087	46.49	ug/kg	99
87) 2-chlorotoluene	14.270	91	1228304	46.18	ug/kg	98
88) 4-chlorotoluene	14.351	91	1278453	47.99	ug/kg	97
89) 1,3,5-trimethylbenzene	14.438	105	1428246	46.41	ug/kg	99
90) tert-butylbenzene	14.741	91	1018720	50.06	ug/kg	92
91) 1,2,4-trimethylbenzene	14.849	105	1445099	48.68	ug/kg	97
92) sec-butylbenzene	14.964	105	1780159	46.08	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71192.D
Acq On : 21 Aug 2013 8:44 pm
Operator : krystend
Sample : mc23502-28msd
Misc : ms29711,msp2331,5.890,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 22 08:56:36 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

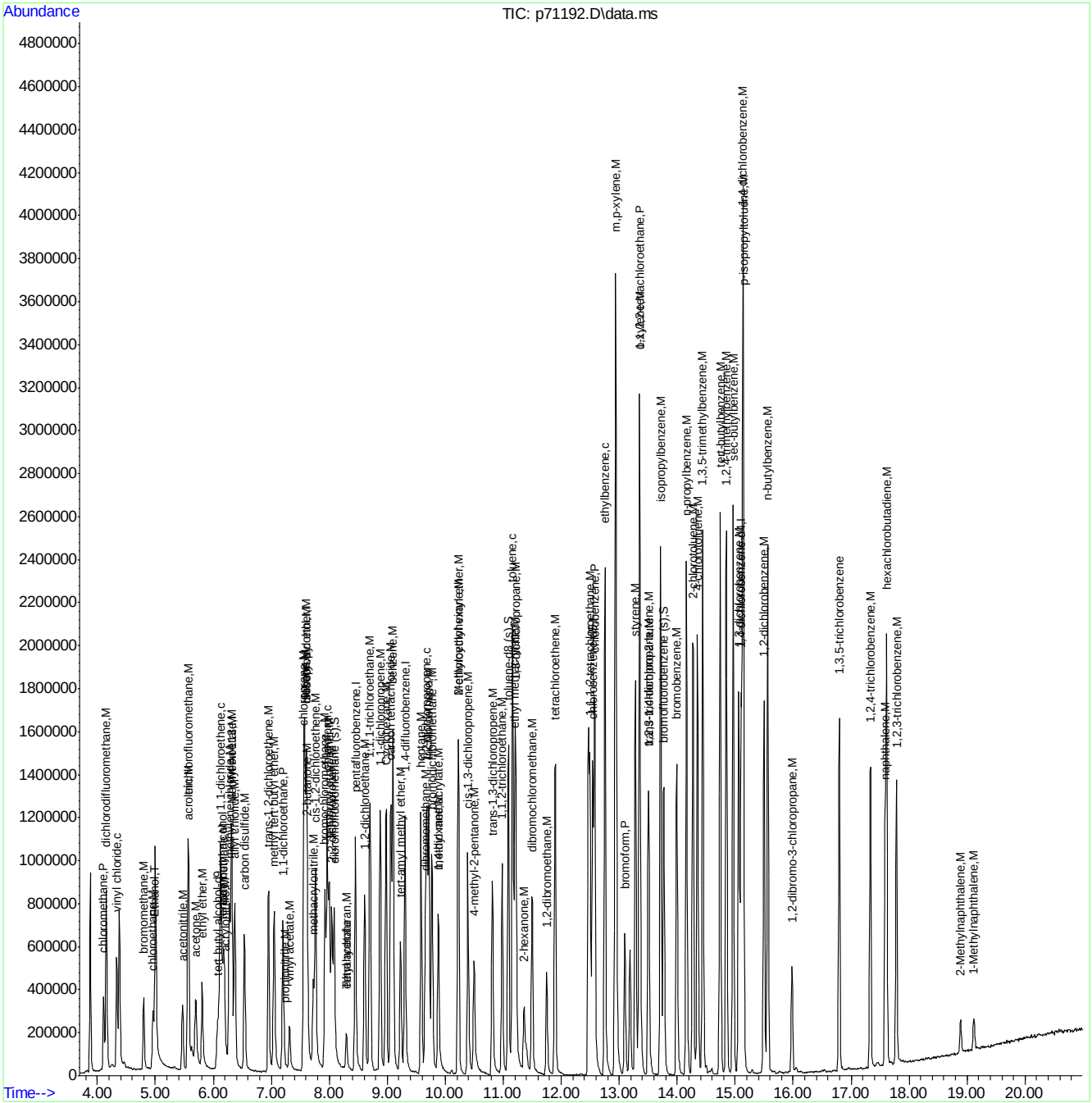
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	729661	49.79	ug/kg	98
94)	p-isopropyltoluene	15.139	119	1469936	53.64	ug/kg	97
95)	1,4-dichlorobenzene	15.132	146	762460	54.02	ug/kg	98
96)	1,2-dichlorobenzene	15.496	146	696171	50.61	ug/kg	97
97)	n-butylbenzene	15.563	91	1491525	53.23	ug/kg	100
98)	1,2-dibromo-3-chloropr...	15.981	75	144473	85.32	ug/kg	99
99)	1,3,5-trichlorobenzene	16.796	180	527696	51.41	ug/kg	97
100)	1,2,4-trichlorobenzene	17.335	180	460176	46.80	ug/kg	97
101)	hexachlorobutadiene	17.611	225	404856	54.40	ug/kg	95
102)	naphthalene	17.584	128	817088	47.83	ug/kg	100
103)	1,2,3-trichlorobenzene	17.786	180	425143	48.32	ug/kg	97
104)	2-Methylnaphthalene	18.891	142	72993	14.44	ug/kg	91
105)	1-Methylnaphthalene	19.113	142	74731	16.30	ug/kg	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71192.D
Acq On : 21 Aug 2013 8:44 pm
Operator : krystend
Sample : mc23502-28msd
Misc : ms29711,msp2331,5.890,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 22 08:56:36 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 09:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130706.D
Acq On : 21 Aug 2013 9:07 pm
Operator : jaimem
Sample : mc23582-1ms
Misc : MS29713,MSG5093,6.15,,100,10,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 22 07:21:15 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.077	65	13793	500.00	ppb		-0.02
4) pentafluorobenzene	5.071	168	54772	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	79439	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	38665	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.161	152	39923	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.231	113	34855	45.92	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.84%				
60) toluene-d8 (s)	7.878	98	127562	47.41	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.82%				
82) bromofluorobenzene (s)	10.866	95	51238	44.99	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.98%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.153	59	19497	498.25	ppb		96
3) Ethanol	2.422	45	11385	4089.17	ppb		98
5) dichlorodifluoromethane	1.649	85	47384m	55.60	ppb		
6) chloromethane	1.832	50	27228	58.06	ppb		100
7) vinyl chloride	1.922	62	14133	62.89	ppb		91
8) bromomethane	2.283	96	23296	56.77	ppb		99
9) chloroethane	2.343	64	14763	50.87	ppb		85
10) ethyl ether	2.783	59	20823	40.01	ppb		61
11) acetonitrile	3.418	41	38147	38.11	ppb		79
12) trichlorofluoromethane	2.610	101	60693	50.64	ppb		99
13) freon-113	2.935	101	39269	47.12	ppb		96
14) acrolein	2.904	56	12419	249.06	ppb		100
15) 1,1-dichloroethene	3.095	96	33697	46.12	ppb		96
16) acetone	2.960	58	3837	32.72	ppb		88
17) Methyl Acetate	3.372	43	20171	28.01	ppb	#	73
18) methylene chloride	3.535	84	32764	39.93	ppb	#	66
19) methyl tert butyl ether	3.664	73	88957	43.82	ppb		86
20) acrylonitrile	3.635	53	8470	35.64	ppb		98
21) allyl chloride	3.418	41	38147	38.00	ppb		68
22) trans-1,2-dichloroethene	3.800	96	33356	42.82	ppb		87
23) iodomethane	3.388	142	64011	47.47	ppb		88
24) carbon disulfide	3.593	76	97109	41.99	ppb		99
25) propionitrile	4.718	54	2818	34.19	ppb		100
26) vinyl acetate	4.209	43	36428	27.66	ppb		95
27) chloroprene	4.309	53	49437	46.87	ppb		80
28) di-isopropyl ether	4.093	45	80212	36.31	ppb		82
29) methacrylonitrile	4.927	41	16493	37.49	ppb	#	54
30) 2-butanone	4.637	72	3996	44.20	ppb	#	43
31) Ethyl Acetate	4.807	43	17390	197.23	ug/L	#	99
32) Hexane	3.850	41	29081	41.49	ppb	#	97
33) 1,1-dichloroethane	4.218	63	55585	44.49	ppb		95
34) tert-butyl ethyl ether	4.505	59	91566	43.20	ppb		88
35) isobutyl alcohol	4.949	43	4355	181.83	ppb	#	73
36) 2,2-dichloropropane	4.794	77	36367	46.95	ppb		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130706.D
Acq On : 21 Aug 2013 9:07 pm
Operator : jaimem
Sample : mc23582-1ms
Misc : MS29713,MSG5093,6.15,,100,10,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 22 07:21:15 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.835	96	35804	42.75	ppb		86
38) bromochloromethane	5.176	128	18287	49.12	ppb	#	66
39) chloroform	5.001	83	62414	46.24	ppb		96
41) Tetrahydrofuran	5.218	42	5217	34.60	ppb		67
42) 1,1,1-trichloroethane	5.434	97	58289	51.29	ppb		90
44) Cyclohexane	5.451	56	46986	40.70	ppb	#	68
45) carbon tetrachloride	5.711	117	56782	56.76	ppb		99
46) 1,1-dichloropropene	5.595	75	47419	46.56	ppb		97
47) benzene	5.895	78	150257	50.57	ppb		97
48) 1,2-dichloroethane	5.875	62	48460	47.89	ppb		99
49) tert-amyl methyl ether	5.717	73	83508	45.69	ppb		81
50) heptane	5.741	43	58543	42.13	ppb		83
51) trichloroethene	6.562	95	36568	43.42	ppb		93
52) 1,2-dichloropropane	6.759	63	27997	39.49	ppb		97
53) dibromomethane	7.077	93	20623	50.88	ppb		97
54) bromodichloromethane	7.018	83	43881	48.50	ppb		99
55) Methylcyclohexane	6.631	83	55029	46.92	ppb	#	78
56) 2-chloroethyl vinyl ether	7.349	63	3560	41.74	ppb		93
57) methyl methacrylate	6.816	69	17317	44.51	ppb	#	65
58) 1,4-dioxane	7.048	88	965m	166.38	ppb		
59) cis-1,3-dichloropropene	7.611	75	51282	44.20	ppb		98
61) 4-methyl-2-pentanone	7.378	43	22589	41.68	ppb		77
62) toluene	7.965	92	93115	52.54	ppb		96
63) trans-1,3-dichloropropene	8.162	75	48796	49.16	ppb		98
64) 1,1,2-trichloroethane	8.335	83	22622	43.20	ppb		95
65) ethyl methacrylate	8.149	69	34423	47.89	ppb	#	72
67) tetrachloroethene	8.678	166	43395	56.64	ppb		97
68) 1,3-dichloropropane	8.612	76	45707	45.58	ppb		99
69) dibromochloromethane	8.904	129	35019	53.73	ppb		99
70) 1,2-dibromoethane	9.124	107	30515	48.62	ppb		100
71) 2-hexanone	8.342	43	19636	50.68	ppb		86
72) chlorobenzene	9.580	112	101856	47.03	ppb		96
73) 1,1,1,2-tetrachloroethane	9.627	131	37845	53.43	ppb		92
74) ethylbenzene	9.635	91	172931	49.57	ppb		95
75) m,p-xylene	9.719	106	136998	101.83	ppb		89
76) o-xylene	10.198	106	64792	49.61	ppb		89
77) styrene	10.236	104	106681	51.08	ppb		88
78) bromoform	10.610	173	20815	59.01	ppb		99
79) trans-1,4-dichloro-2-b...	10.643	53	9313	45.76	ppb		91
81) isopropylbenzene	10.589	105	173909	46.23	ppb		96
83) bromobenzene	11.079	156	47011	49.74	ppb		92
84) 1,1,2,2-tetrachloroethane	10.781	83	31670	40.88	ppb		96
85) 1,2,3-trichloropropane	10.941	75	26745	42.60	ppb		98
86) n-propylbenzene	11.028	91	191848	43.37	ppb		96
87) 2-chlorotoluene	11.223	91	136428	43.47	ppb		90
88) 4-chlorotoluene	11.276	91	125712	44.79	ppb		91
89) 1,3,5-trimethylbenzene	11.202	105	149602	47.22	ppb		93
90) tert-butylbenzene	11.597	91	99614	46.16	ppb		86
91) 1,2,4-trimethylbenzene	11.632	105	151056	47.26	ppb		95
92) sec-butylbenzene	11.824	105	173833	45.41	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130706.D
Acq On : 21 Aug 2013 9:07 pm
Operator : jaimem
Sample : mc23582-1ms
Misc : MS29713,MSG5093,6.15,,100,10,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 22 07:21:15 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

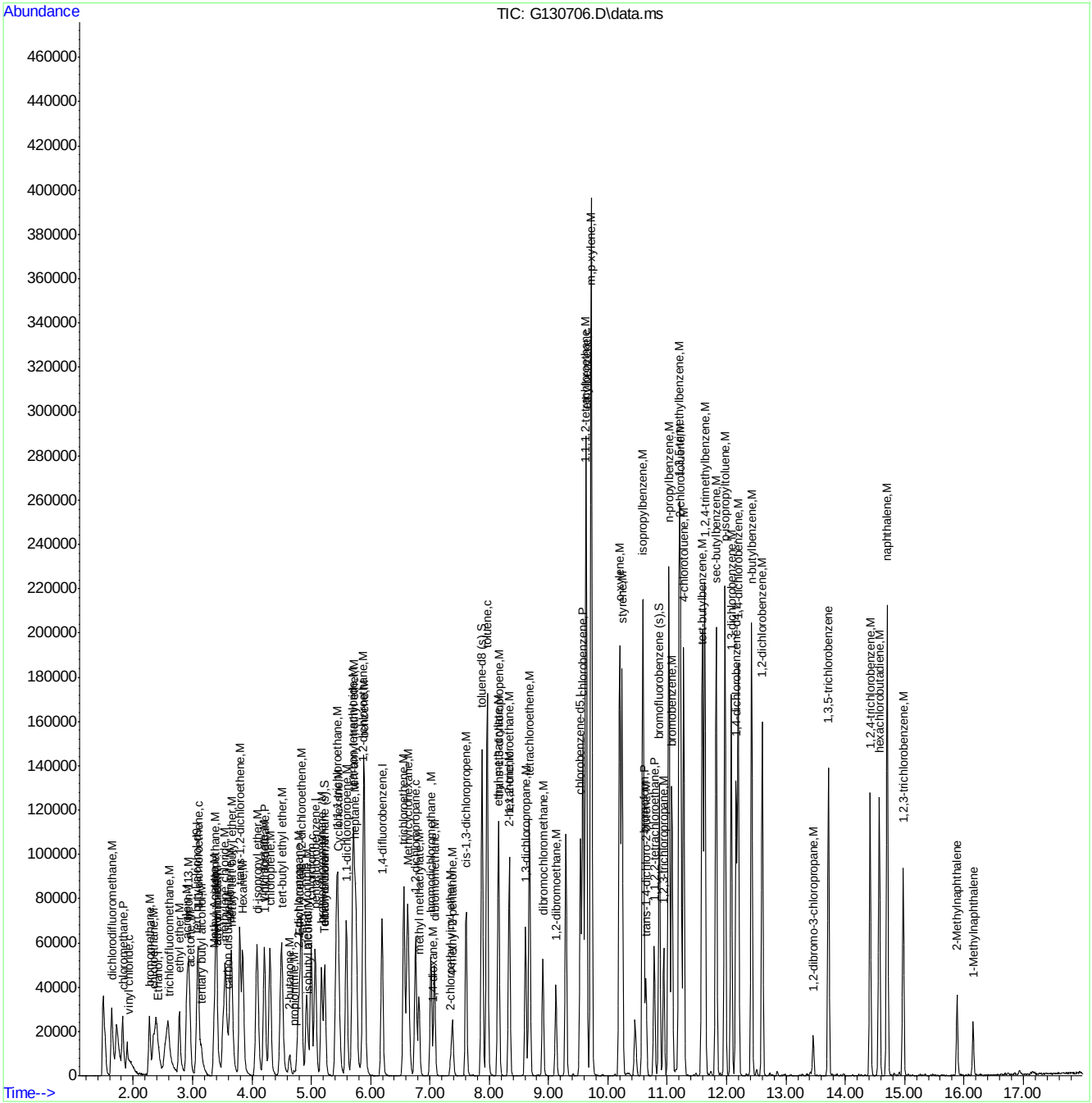
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.079	146	83956	44.87	ppb		94
94) p-isopropyltoluene	11.974	119	151966	51.08	ppb		95
95) 1,4-dichlorobenzene	12.196	146	87333	47.32	ppb		97
96) 1,2-dichlorobenzene	12.602	146	79425	45.31	ppb		98
97) n-butylbenzene	12.422	91	130440	46.27	ppb		100
98) 1,2-dibromo-3-chloropr...	13.459	75	5100	43.59	ppb	#	77
99) 1,3,5-trichlorobenzene	13.717	180	52007	45.30	ug/L		99
100) 1,2,4-trichlorobenzene	14.419	180	45853	46.74	ppb		99
101) hexachlorobutadiene	14.573	225	31265	58.98	ppb		99
102) naphthalene	14.707	128	190167	92.86	ppb		100
103) 2-Methylnaphthalene	15.886	142	18887	44.59	ug/L		98
104) 1-Methylnaphthalene	16.155	142	12483m	38.54	ug/L		
105) 1,2,3-trichlorobenzene	14.977	180	33896	46.74	ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130706.D
Acq On : 21 Aug 2013 9:07 pm
Operator : jaimem
Sample : mc23582-1ms
Misc : MS29713,MSG5093,6.15,,100,10,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 22 07:21:15 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 09:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130707.D
Acq On : 21 Aug 2013 9:35 pm
Operator : jaimem
Sample : mc23582-1msd
Misc : MS29713,MSG5093,6.15,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 22 07:21:59 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.074	65	12801	500.00	ppb		-0.02
4) pentafluorobenzene	5.072	168	55842	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	81607	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	38840	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.161	152	40388	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.231	113	34377	44.42	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 88.84%				
60) toluene-d8 (s)	7.878	98	127902	46.27	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.54%				
82) bromofluorobenzene (s)	10.866	95	50543	43.87	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.74%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.151	59	18161	500.07	ppb		91
3) Ethanol	2.423	45	10859	4202.49	ppb		93
5) dichlorodifluoromethane	1.649	85	45842m	52.76	ppb		
6) chloromethane	1.834	50	27490	57.49	ppb		98
7) vinyl chloride	1.930	62	14940	65.40	ppb		74
8) bromomethane	2.284	96	23550	56.29	ppb		97
9) chloroethane	2.345	64	14938	50.49	ppb		92
10) ethyl ether	2.784	59	20681	38.97	ppb		79
11) acetonitrile	3.417	41	37475	36.72	ppb		75
12) trichlorofluoromethane	2.612	101	60515	49.53	ppb		98
13) freon-113	2.935	101	40919	48.16	ppb		96
14) acrolein	2.904	56	12576	247.38	ppb		100
15) 1,1-dichloroethene	3.097	96	34563	46.40	ppb		90
16) acetone	2.960	58	3415	26.73	ppb		88
17) Methyl Acetate	3.372	43	20734	28.24	ppb	#	78
18) methylene chloride	3.537	84	32799	39.21	ppb	#	75
19) methyl tert butyl ether	3.663	73	87125	42.09	ppb		84
20) acrylonitrile	3.635	53	8731	36.03	ppb		98
21) allyl chloride	3.417	41	37475	36.61	ppb		62
22) trans-1,2-dichloroethene	3.802	96	33630	42.35	ppb		89
23) iodomethane	3.390	142	64426	46.86	ppb		86
24) carbon disulfide	3.597	76	98857	41.93	ppb		99
25) propionitrile	4.718	54	2866	34.11	ppb		100
26) vinyl acetate	4.209	43	36353	27.08	ppb		96
27) chloroprene	4.309	53	49469	46.00	ppb		84
28) di-isopropyl ether	4.093	45	78846	35.01	ppb		83
29) methacrylonitrile	4.927	41	16479	36.74	ppb		61
30) 2-butanone	4.638	72	3545	38.46	ppb	#	34
31) Ethyl Acetate	4.808	43	17395	193.51	ug/L	#	99
32) Hexane	3.851	41	29179	40.83	ppb	#	98
33) 1,1-dichloroethane	4.219	63	55114	43.27	ppb		96
34) tert-butyl ethyl ether	4.505	59	88541	40.97	ppb		85
35) isobutyl alcohol	4.947	43	4043	165.57	ppb	#	65
36) 2,2-dichloropropane	4.795	77	36631	46.39	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130707.D
Acq On : 21 Aug 2013 9:35 pm
Operator : jaimem
Sample : mc23582-1msd
Misc : MS29713,MSG5093,6.15,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 22 07:21:59 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.836	96	35332	41.37	ppb		82
38)	bromochloromethane	5.177	128	18242	48.06	ppb	#	66
39)	chloroform	5.001	83	61687	44.83	ppb		97
41)	Tetrahydrofuran	5.216	42	5101	33.18	ppb		72
42)	1,1,1-trichloroethane	5.434	97	57933	50.00	ppb		84
44)	Cyclohexane	5.451	56	47085	39.71	ppb	#	66
45)	carbon tetrachloride	5.712	117	56523	55.00	ppb		92
46)	1,1-dichloropropene	5.596	75	47857	45.74	ppb		98
47)	benzene	5.895	78	150430	49.28	ppb		98
48)	1,2-dichloroethane	5.875	62	47823	46.01	ppb		98
49)	tert-amyl methyl ether	5.719	73	85204	45.38	ppb		81
50)	heptane	5.742	43	57758	40.46	ppb		79
51)	trichloroethene	6.562	95	36783	42.52	ppb		91
52)	1,2-dichloropropane	6.760	63	28118	38.61	ppb		94
53)	dibromomethane	7.076	93	20480	49.18	ppb		98
54)	bromodichloromethane	7.018	83	42906	46.17	ppb		99
55)	Methylcyclohexane	6.631	83	55417	45.99	ppb	#	78
56)	2-chloroethyl vinyl ether	7.349	63	3269	39.14	ppb		90
57)	methyl methacrylate	6.816	69	17004	42.55	ppb	#	63
58)	1,4-dioxane	7.053	88	863m	144.84	ppb		
59)	cis-1,3-dichloropropene	7.611	75	49900	41.86	ppb		94
61)	4-methyl-2-pentanone	7.378	43	22050	39.60	ppb		78
62)	toluene	7.965	92	93587	51.41	ppb		99
63)	trans-1,3-dichloropropene	8.162	75	47545	46.62	ppb		95
64)	1,1,2-trichloroethane	8.336	83	22084	41.05	ppb		91
65)	ethyl methacrylate	8.149	69	34397	46.58	ppb	#	69
67)	tetrachloroethene	8.678	166	43397	56.39	ppb		99
68)	1,3-dichloropropane	8.612	76	44155	43.84	ppb		94
69)	dibromochloromethane	8.904	129	34698	53.00	ppb		97
70)	1,2-dibromoethane	9.124	107	29957	47.51	ppb		96
71)	2-hexanone	8.342	43	16995	43.66	ppb		89
72)	chlorobenzene	9.580	112	101304	46.56	ppb		95
73)	1,1,1,2-tetrachloroethane	9.626	131	37733	53.03	ppb		95
74)	ethylbenzene	9.635	91	173476	49.50	ppb		94
75)	m,p-xylene	9.719	106	137935	102.07	ppb		91
76)	o-xylene	10.198	106	65236	49.72	ppb		88
77)	styrene	10.236	104	105607	50.33	ppb		86
78)	bromoform	10.610	173	20643	58.26	ppb		95
79)	trans-1,4-dichloro-2-b...	10.644	53	9210	45.05	ppb		95
81)	isopropylbenzene	10.589	105	177295	46.58	ppb		95
83)	bromobenzene	11.079	156	46383	48.51	ppb		98
84)	1,1,2,2-tetrachloroethane	10.781	83	31597	40.32	ppb		96
85)	1,2,3-trichloropropane	10.941	75	26824	42.23	ppb		99
86)	n-propylbenzene	11.028	91	193116	43.16	ppb		97
87)	2-chlorotoluene	11.223	91	136859	43.11	ppb		92
88)	4-chlorotoluene	11.276	91	125521	44.21	ppb		94
89)	1,3,5-trimethylbenzene	11.202	105	150679	47.01	ppb		98
90)	tert-butylbenzene	11.597	91	100754	46.15	ppb		88
91)	1,2,4-trimethylbenzene	11.632	105	151630	46.90	ppb		95
92)	sec-butylbenzene	11.824	105	175888	45.42	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130707.D
Acq On : 21 Aug 2013 9:35 pm
Operator : jaimem
Sample : mc23582-1msd
Misc : MS29713,MSG5093,6.15,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 22 07:21:59 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

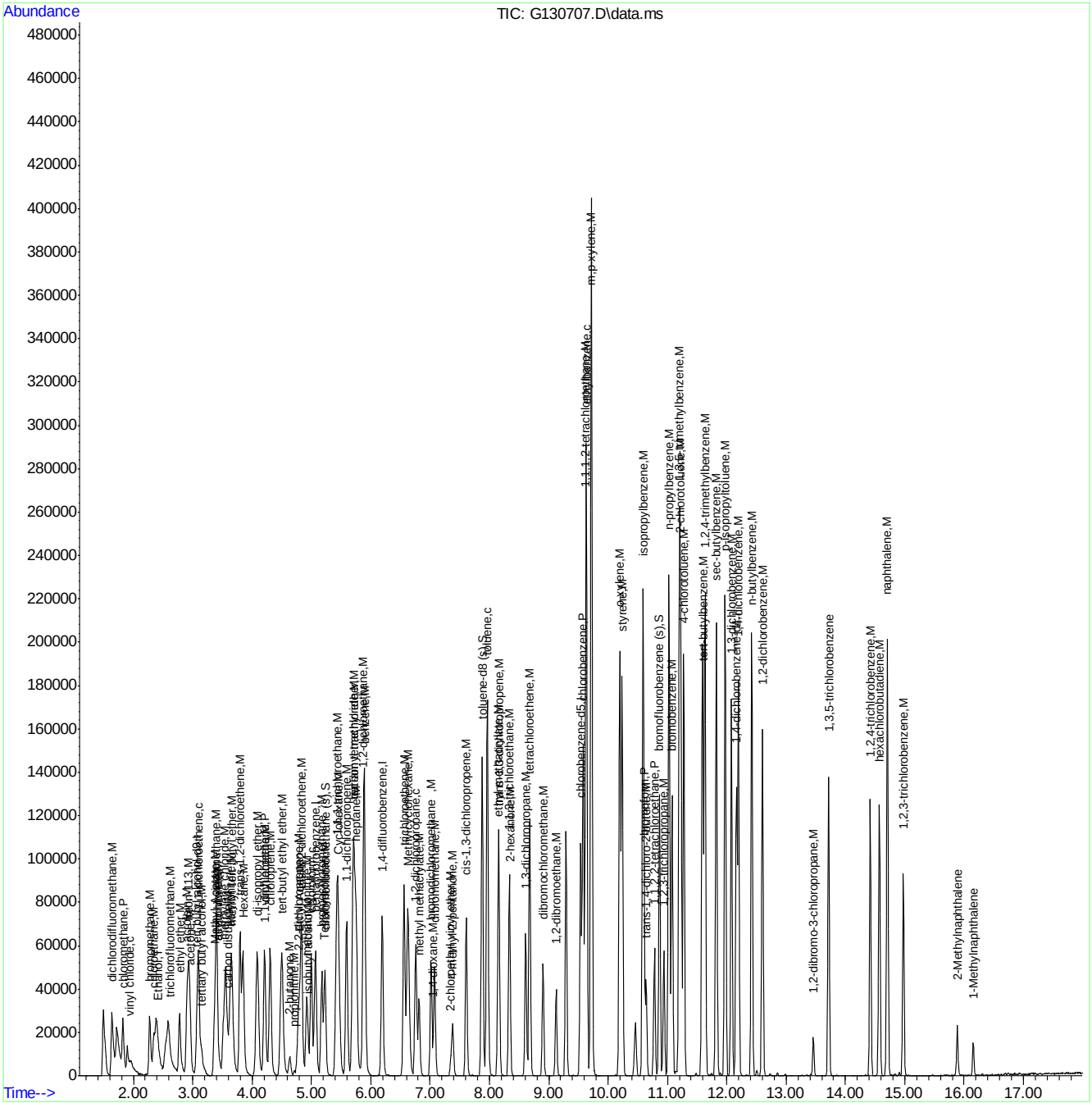
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	12.079	146	84222	44.50	ppb	94
94)	p-isopropyltoluene	11.974	119	154196	51.23	ppb	96
95)	1,4-dichlorobenzene	12.196	146	85766	45.93	ppb	96
96)	1,2-dichlorobenzene	12.602	146	78469	44.25	ppb	97
97)	n-butylbenzene	12.422	91	131131	45.98	ppb	97
98)	1,2-dibromo-3-chloropr...	13.459	75	5077	42.89	ppb	81
99)	1,3,5-trichlorobenzene	13.717	180	51821	44.62	ug/L	99
100)	1,2,4-trichlorobenzene	14.419	180	45832	46.18	ppb	99
101)	hexachlorobutadiene	14.572	225	31836	59.37	ppb	93
102)	naphthalene	14.707	128	183287	88.64	ppb	100
103)	2-Methylnaphthalene	15.886	142	12593	33.41	ug/L	96
104)	1-Methylnaphthalene	16.154	142	8817	29.38	ug/L	94
105)	1,2,3-trichlorobenzene	14.977	180	34208	46.62	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130707.D
Acq On : 21 Aug 2013 9:35 pm
Operator : jaimem
Sample : mc23582-1msd
Misc : MS29713,MSG5093,6.15,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

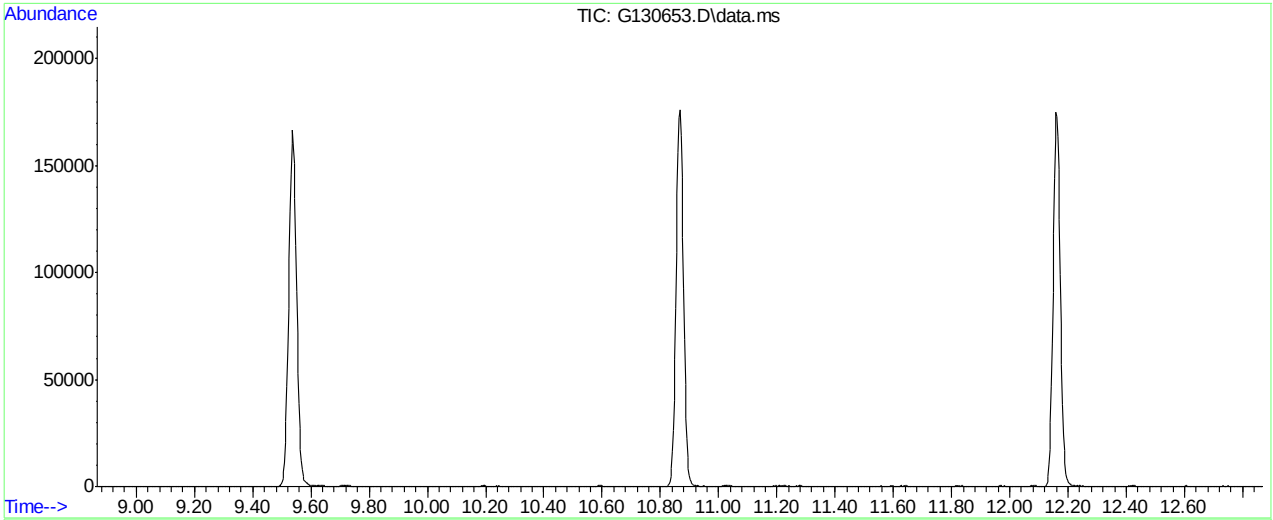
Quant Time: Aug 22 07:21:59 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration



SW-846 Method 8260

Data File : C:\msdchem\1\DATA\G130820\G130653.D Vial: 2
Acq On : 20 Aug 2013 12:03 pm Operator: jaimem
Sample : bfb Inst : MSG
Misc : MS29686,MSG5092,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130820s.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Average of 10.863 to 10.869 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.1	6221	PASS
75	95	30	60	46.4	17896	PASS
95	95	100	100	100.0	38568	PASS
96	95	5	9	6.5	2509	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	80.1	30893	PASS
175	174	5	9	7.2	2236	PASS
176	174	95	101	95.0	29352	PASS
177	176	5	9	6.5	1913	PASS

G130653.D g130820s.m Wed Aug 21 07:52:40 2013

Average of 10.863 to 10.869 min.: G130653.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	260	51.10	1966	67.05	35	78.15	45
37.10	1402	52.00	69	68.05	3662	78.95	719
38.10	1293	55.00	73	69.05	3456	80.00	228
39.10	555	56.10	442	70.05	269	80.95	831
44.05	203	57.05	847	72.00	187	81.85	206
45.05	334	60.05	277	73.05	1459	86.95	1423
47.10	444	61.05	1549	74.05	5875	87.95	1319
47.95	162	62.05	1544	75.05	17896	91.00	83
48.15	70	63.05	1123	76.05	1589	92.05	1071
49.05	1313	64.05	88	77.00	205	93.00	1499
50.05	6221	65.15	127	77.95	92	94.05	4576

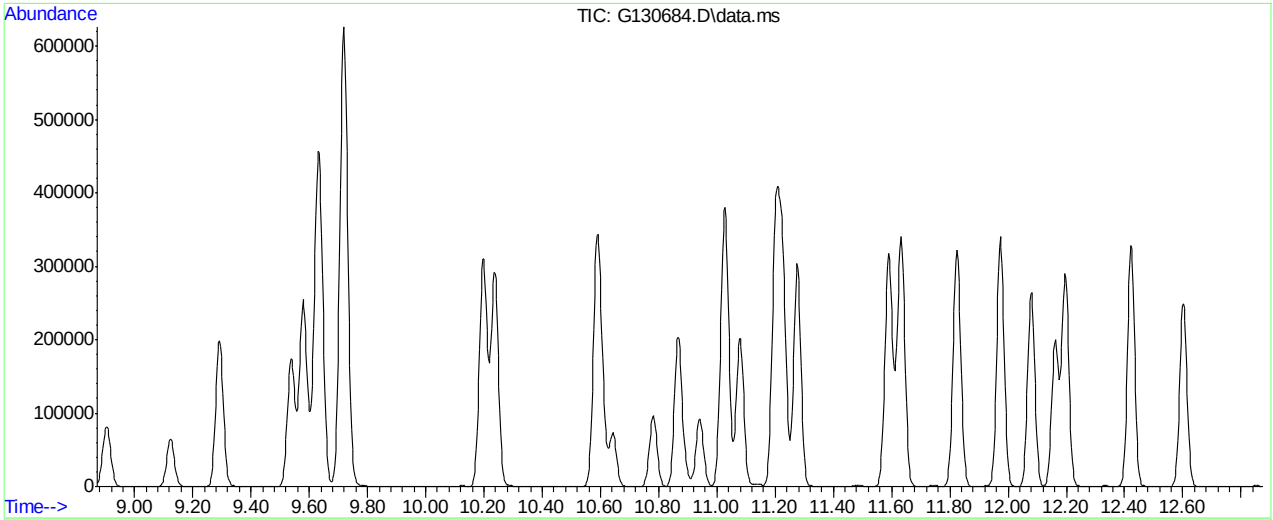
Average of 10.863 to 10.869 min.: G130653.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.05	38568	143.00	430				
96.05	2509	148.00	73				
103.90	140	154.85	37				
105.90	88	171.95	101				
115.85	40	173.95	30893				
116.90	247	174.95	2236				
117.90	131	175.95	29352				
118.90	191	176.95	1913				
127.90	101						
129.90	99						
140.90	417						

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\G130821\G130684.D Vial: 5
Acq On : 21 Aug 2013 10:43 am Operator: jaimem
Sample : bfb Inst : MSG
Misc : MS29686,MSG5093,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130820s.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 3517

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.0	6479	PASS
75	95	30	60	44.3	17928	PASS
95	95	100	100	100.0	40512	PASS
96	95	5	9	7.3	2956	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	82.7	33488	PASS
175	174	5	9	6.9	2324	PASS
176	174	95	101	97.3	32576	PASS
177	176	5	9	6.2	2018	PASS

G130684.D g130820s.m Wed Aug 21 11:13:42 2013

Scan 3517 (10.872 min): G130684.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	419	49.05	1221	68.05	3677	78.95	671
37.15	1301	50.15	6479	69.05	3717	79.95	344
38.05	1205	51.15	1883	70.05	515	80.95	763
39.15	712	55.05	345	71.15	481	81.95	267
41.05	521	56.05	628	72.15	149	83.05	105
42.15	207	57.15	1972	73.05	1407	84.05	128
43.05	996	60.05	287	74.05	5815	85.15	249
44.05	275	61.05	1498	75.05	17928	87.05	1230
45.05	264	62.05	1415	76.05	1657	88.05	1677
47.05	394	63.05	1024	77.05	236	90.95	132
48.05	162	67.05	181	77.95	212	92.05	1118

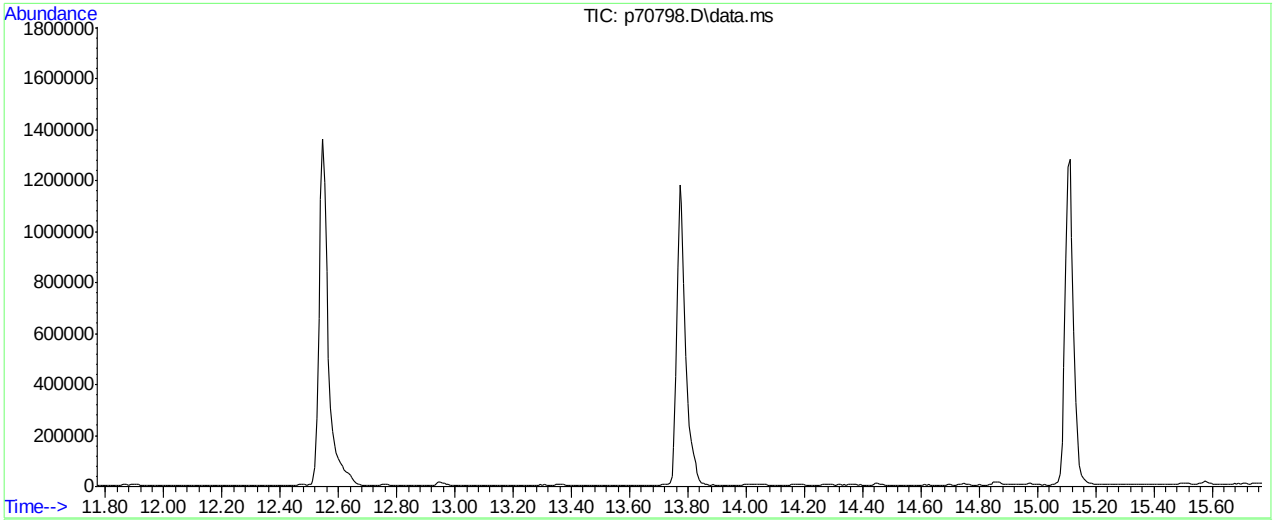
Scan 3517 (10.872 min): G130684.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.05	1651	142.95	394				
94.05	4491	148.05	116				
95.05	40512	154.95	115				
96.05	2956	173.95	33488				
103.95	144	174.95	2324				
116.95	240	175.95	32576				
117.85	148	177.05	2018				
118.95	217						
127.95	204						
129.95	118						
141.05	316						

SW-846 Method 8260

Data File : C:\msdchem\1\data\P130805\p70798.D Vial: 4
Acq On : 5 Aug 2013 1:05 pm Operator: krystend
Sample : bfb Inst : MSP
Misc : ms29498,msp2318,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 1497

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.1	54912	PASS
75	95	30	60	54.9	130656	PASS
95	95	100	100	100.0	238144	PASS
96	95	5	9	7.1	16968	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	77.0	183424	PASS
175	174	5	9	8.4	15398	PASS
176	174	95	101	100.2	183872	PASS
177	176	5	9	6.6	12112	PASS

p70798.D P130805S.M Tue Aug 06 09:35:36 2013

Scan 1497 (13.771 min): p70798.D\data.ms (-1524)
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	2746	51.00	15569	65.10	545	77.90	1063
37.10	12937	52.10	1013	67.10	765	78.90	6886
38.10	10405	55.00	716	68.00	26480	80.00	2154
39.10	4562	56.10	4842	69.00	26352	80.90	6288
43.10	350	57.10	7011	70.10	1807	81.90	1103
44.00	1700	58.00	342	72.10	1383	82.90	419
45.00	2451	60.00	2170	73.00	11525	87.00	6993
47.00	2117	61.00	12217	74.00	43528	88.00	7630
48.00	1781	62.00	11995	75.10	130656	90.90	1138
49.00	11108	63.10	9893	76.10	10482	92.00	7800
50.00	54912	64.10	678	77.00	1136	93.00	10484

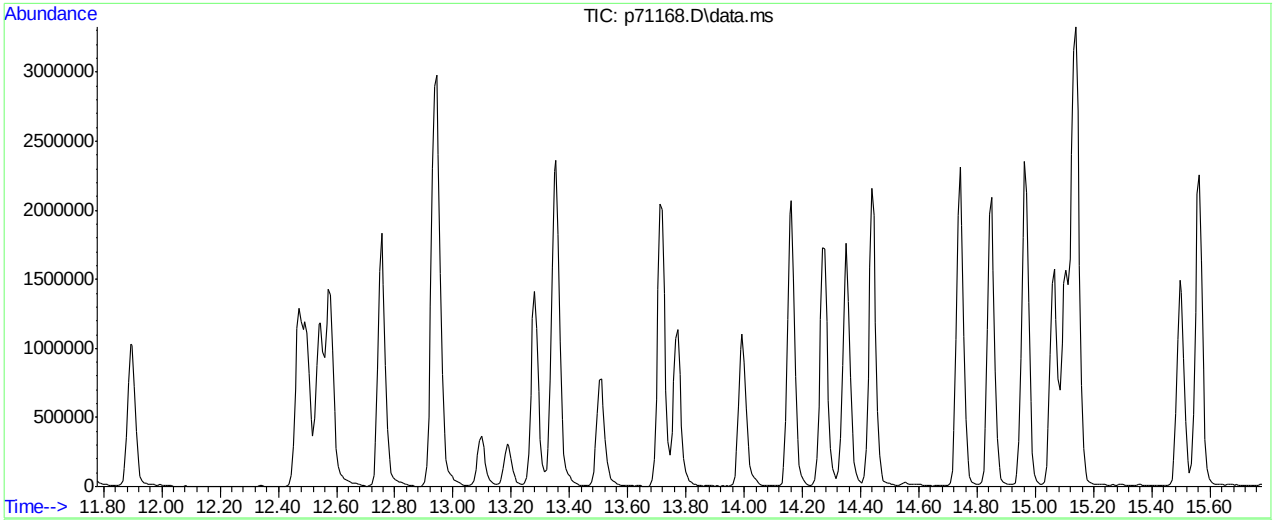
Scan 1497 (13.771 min): p70798.D\data.ms (-1524)
bfb
Modified:subtracted

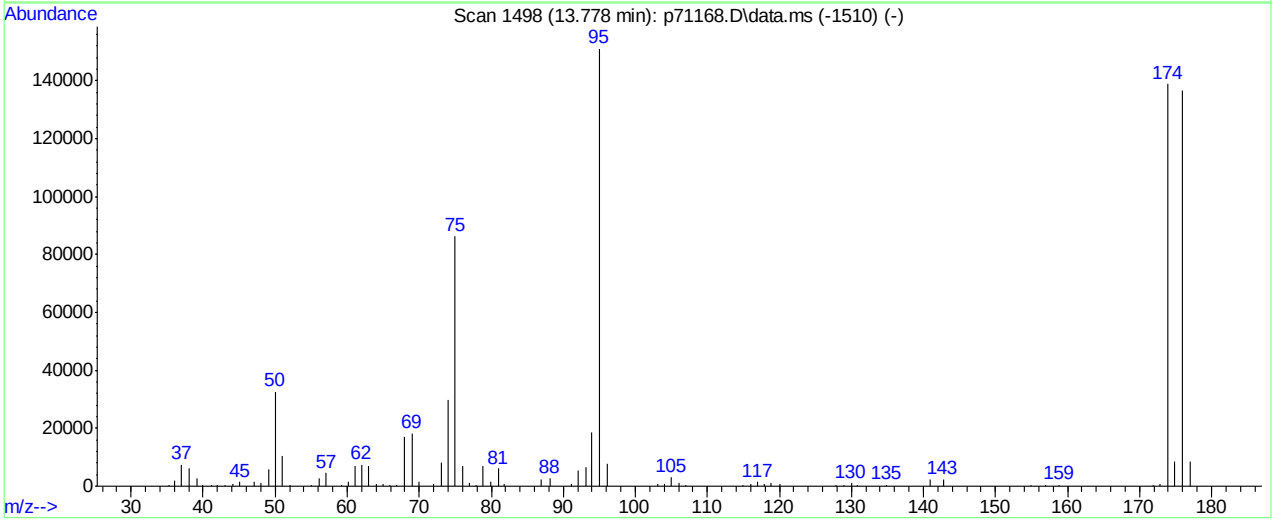
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	27800	128.00	868	147.90	886	208.10	389
95.00	238144	129.00	432	150.00	440	270.00	318
96.10	16968	130.00	763	155.00	603		
97.10	474	130.90	479	157.10	415		
104.00	987	135.00	485	160.80	327		
104.90	573	136.80	400	172.10	311		
106.00	1054	139.90	319	174.00	183424		
115.90	896	141.00	2497	175.00	15398		
116.90	1632	142.00	329	176.00	183872		
117.90	874	142.90	2371	177.00	12112		
118.90	1070	145.90	565	178.00	371		

SW-846 Method 8260

Data File : C:\msdchem\1\data\P130821\p71168.D Vial: 2
Acq On : 21 Aug 2013 9:29 am Operator: krystend
Sample : bfb Inst : MSP
Misc : ms29699,msp2331,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Scan 1498

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.6	32664	PASS
75	95	30	60	57.1	86336	PASS
95	95	100	100	100.0	151168	PASS
96	95	5	9	5.1	7638	PASS
173	174	0.00	2	0.7	911	PASS
174	95	50	150	91.8	138837	PASS
175	174	5	9	6.0	8350	PASS
176	174	95	101	98.3	136512	PASS
177	176	5	9	6.3	8539	PASS

p71168.D P130805S.M Wed Aug 21 11:44:47 2013

Scan 1498 (13.778 min): p71168.D\data.ms (-1510)
cc2318-50
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.30	348	47.10	1688	61.10	7162	73.10	8241
36.00	2106	48.00	1297	62.00	7413	74.00	29688
37.00	7366	49.10	5747	63.00	6889	75.00	86336
38.10	6198	50.00	32664	64.10	703	76.10	7089
39.10	2821	51.00	10534	65.00	717	77.00	1027
39.90	496	52.00	371	65.90	318	77.90	576
41.10	325	55.00	419	66.90	507	78.90	6819
41.90	426	56.10	2569	68.00	17168	79.90	1448
43.10	434	57.10	4626	69.00	18216	81.00	6053
44.05	809	59.20	312	70.00	1495	81.80	805
45.10	1520	60.10	1584	72.00	982	87.00	2387

Scan 1498 (13.778 min): p71168.D\data.ms (-1510)
cc2318-50
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.10	2893	107.00	316	134.90	520	177.00	8539
91.10	967	115.00	380	141.00	2246		
92.00	5537	116.00	706	142.80	2439		
93.10	6732	117.00	1436	155.00	459		
94.00	18664	117.90	964	156.90	430		
95.00	151168	118.90	1052	158.90	546		
96.10	7638	120.00	761	171.90	573		
103.10	617	127.80	595	172.90	911		
104.00	791	128.90	323	174.00	138837		
105.05	3170	130.00	994	174.90	8350		
106.00	1063	130.80	441	176.00	136512		

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/21/13 09:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130654.D
Acq On : 20 Aug 2013 12:31 pm
Operator : jaimem
Sample : ic5092-0.5
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 07:24:24 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:21:55 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.079	65	22322	500.00	ppb	0.00
4) pentafluorobenzene	5.071	168	74886	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.195	114	118495	50.00	ppb	0.00
66) chlorobenzene-d5	9.539	82	58163	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.162	152	50533	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	0.000	113	0	0.00	ppb	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
60) toluene-d8 (s)	7.877	98	2371	0.58	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	1.16%#		
82) bromofluorobenzene (s)	10.867	95	1019	0.70	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	1.40%#		
Target Compounds						Qvalue
47) benzene	5.892	78	2831m	0.66	ppb	
51) trichloroethene	6.560	95	763m	0.62	ppb	
67) tetrachloroethene	8.679	166	700m	0.63	ppb	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

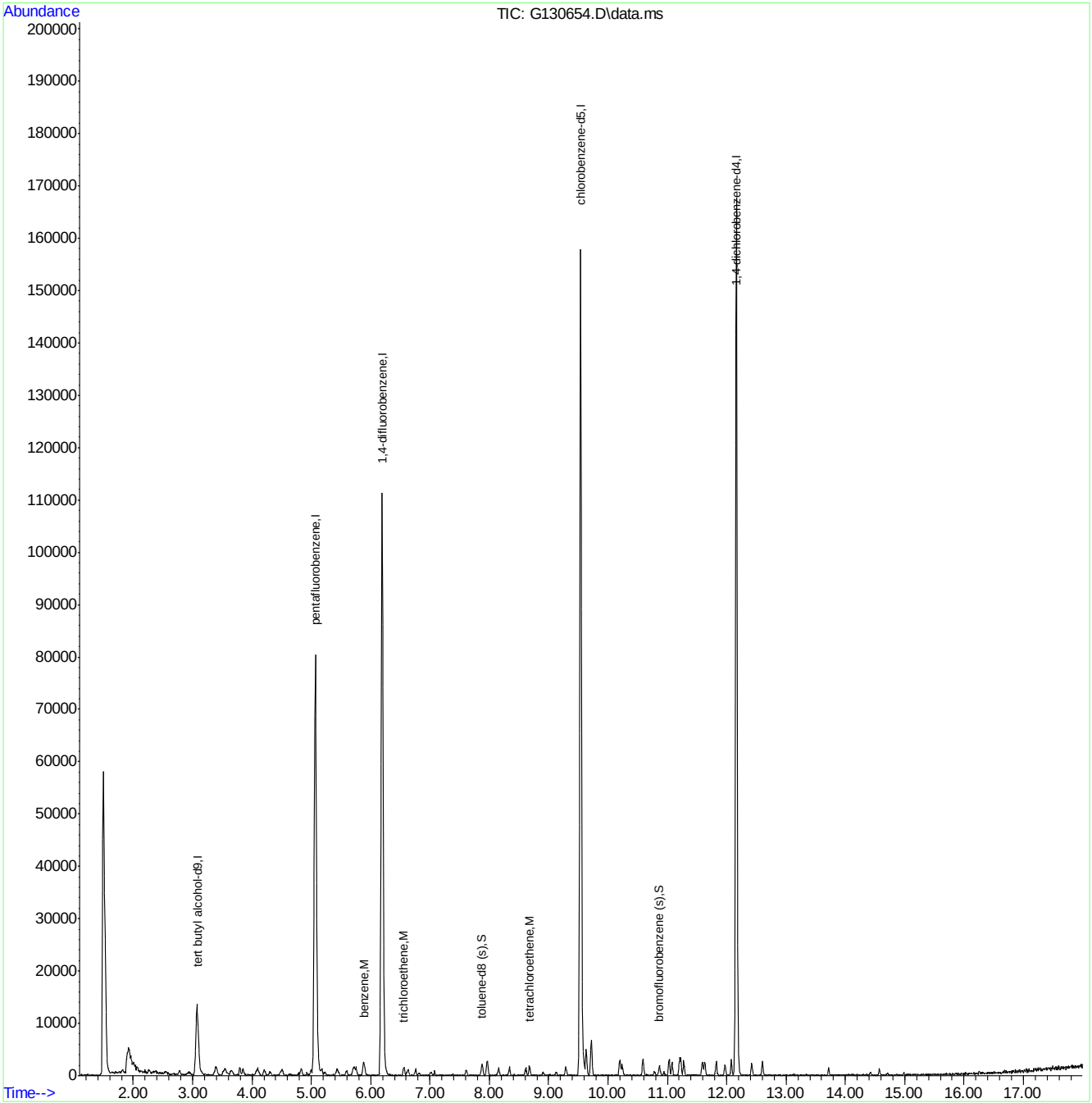
7.6.1

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130654.D
Acq On : 20 Aug 2013 12:31 pm
Operator : jaimem
Sample : ic5092-0.5
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 07:24:24 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:21:55 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/21/13 09:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130655.D
Acq On : 20 Aug 2013 1:00 pm
Operator : jaimem
Sample : ic5092-2
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 07:32:52 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:24:35 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.081	65	24067	500.00	ppb		0.00
4) pentafluorobenzene	5.070	168	75342	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	118467	50.00	ppb		0.00
66) chlorobenzene-d5	9.539	82	58593	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	53080	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.228	113	2288	2.11	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 4.22%#				
60) toluene-d8 (s)	7.877	98	8775	1.99	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 3.98%#				
82) bromofluorobenzene (s)	10.867	95	3476	1.89	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 3.78%#				
Target Compounds							Qvalue
5) dichlorodifluoromethane	1.648	85	2753m	1.43	ppb		
7) vinyl chloride	1.898	62	717m	2.18	ppb		
8) bromomethane	2.267	96	1285	2.21	ppb		94
12) trichlorofluoromethane	2.585	101	3335m	1.85	ppb		
15) 1,1-dichloroethene	3.087	96	2379	2.28	ppb		94
18) methylene chloride	3.531	84	2606	2.30	ppb	#	54
19) methyl tert butyl ether	3.659	73	5807	2.04	ppb		91
22) trans-1,2-dichloroethene	3.795	96	2420	2.25	ppb	#	80
28) di-isopropyl ether	4.090	45	6436	2.09	ppb		87
33) 1,1-dichloroethane	4.213	63	3896	2.26	ppb		93
34) tert-butyl ethyl ether	4.503	59	5974	2.02	ppb		77
37) cis-1,2-dichloroethene	4.831	96	2549	2.20	ppb		87
39) chloroform	4.997	83	4226	2.29	ppb		100
42) 1,1,1-trichloroethane	5.427	97	3263	2.05	ppb		87
45) carbon tetrachloride	5.706	117	3025	1.98	ppb		95
47) benzene	5.894	78	9887m	1.99	ppb		
48) 1,2-dichloroethane	5.873	62	3410	2.26	ppb		100
51) trichloroethene	6.560	95	2659	1.93	ppb		87
52) 1,2-dichloropropane	6.758	63	2388	2.26	ppb		92
54) bromodichloromethane	7.017	83	2583	1.86	ppb		84
59) cis-1,3-dichloropropene	7.610	75	3254	1.80	ppb		91
63) trans-1,3-dichloropropene	8.161	75	2740	1.76	ppb		86
64) 1,1,2-trichloroethane	8.336	83	1730	2.22	ppb		92
67) tetrachloroethene	8.679	166	2613	2.06	ppb		97
69) dibromochloromethane	8.904	129	1680	1.66	ppb		89
70) 1,2-dibromoethane	9.124	107	1974	2.04	ppb		80
72) chlorobenzene	9.580	112	7637	2.36	ppb		90
74) ethylbenzene	9.635	91	11579	2.14	ppb		95
75) m,p-xylene	9.719	106	8773	4.20	ppb		81
76) o-xylene	10.199	106	4188	2.06	ppb		80
84) 1,1,2,2-tetrachloroethane	10.781	83	2250	2.17	ppb		94
93) 1,3-dichlorobenzene	12.080	146	5755	2.32	ppb		85
95) 1,4-dichlorobenzene	12.196	146	5798	2.40	ppb		96
96) 1,2-dichlorobenzene	12.602	146	5214	2.22	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130655.D
Acq On : 20 Aug 2013 1:00 pm
Operator : jaimem
Sample : ic5092-2
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 07:32:52 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:24:35 2013
Response via : Initial Calibration

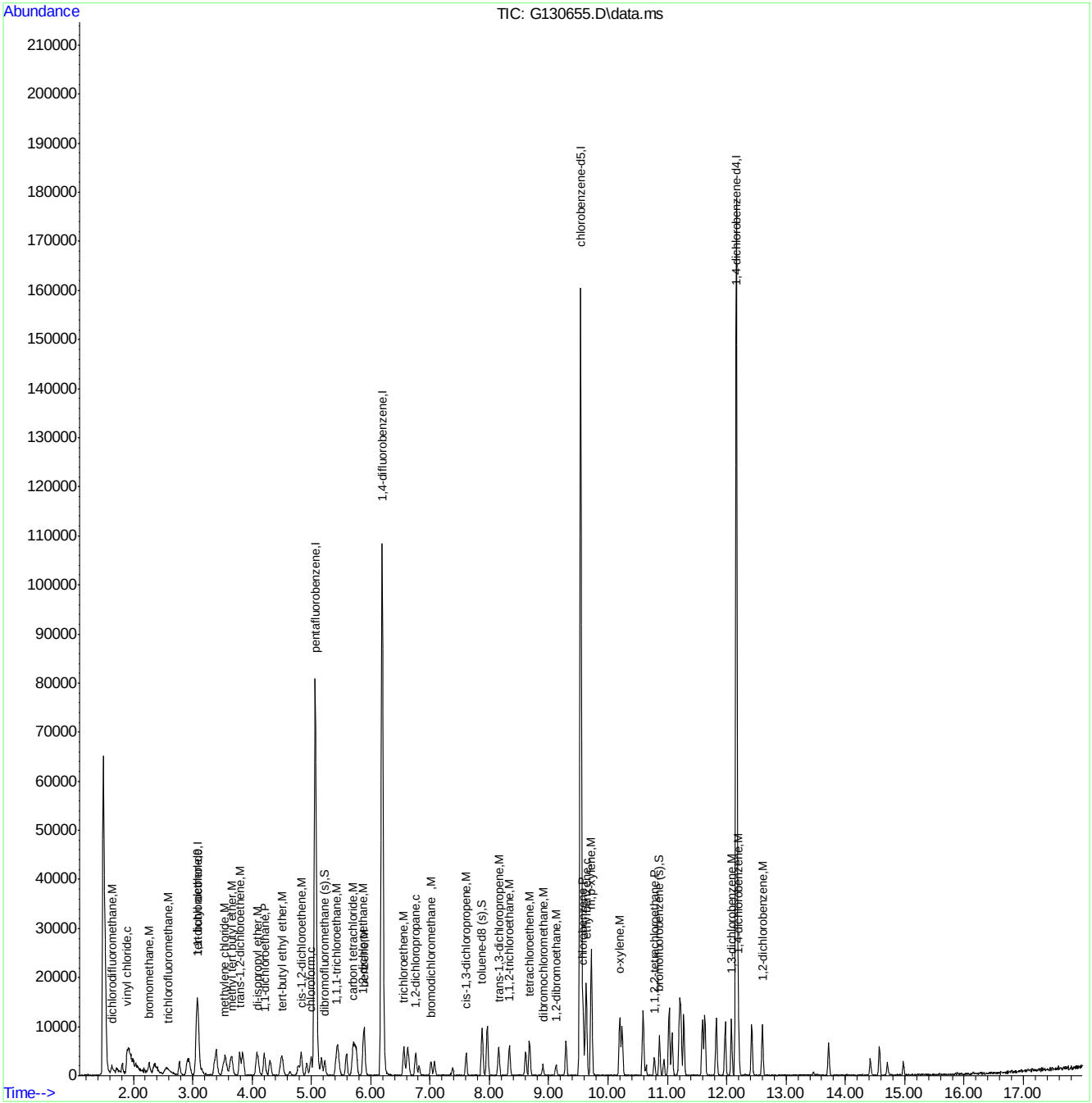
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130655.D
Acq On : 20 Aug 2013 1:00 pm
Operator : jaimem
Sample : ic5092-2
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 07:32:52 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:24:35 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/21/13 09:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130656.D
Acq On : 20 Aug 2013 1:29 pm
Operator : jaimem
Sample : ic5092-5
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 07:37:52 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:33:55 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.081	65	17618	500.00	ppb		0.00
4) pentafluorobenzene	5.071	168	74988	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	117570	50.00	ppb		0.00
66) chlorobenzene-d5	9.539	82	58785	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	53261	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.229	113	4873	4.52	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	9.04%#			
60) toluene-d8 (s)	7.878	98	17822	4.08	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	8.16%#			
82) bromofluorobenzene (s)	10.867	95	7502	4.14	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	8.28%#			
Target Compounds							Qvalue
5) dichlorodifluoromethane	1.646	85	6537m	3.98	ppb		
6) chloromethane	1.815	50	3475	5.25	ppb		94
7) vinyl chloride	1.907	62	1801	5.27	ppb		70
8) bromomethane	2.268	96	3034	4.98	ppb		91
9) chloroethane	2.339	64	2204	5.42	ppb		88
10) ethyl ether	2.778	59	2554	3.21	ppb		76
11) acetonitrile	3.411	41	6718	4.71	ppb		83
12) trichlorofluoromethane	2.589	101	7197m	4.16	ppb		
13) freon-113	2.926	101	4518	3.87	ppb		78
15) 1,1-dichloroethene	3.088	96	3957	3.56	ppb	#	78
16) acetone	2.959	58	450m	2.98	ppb		
17) Methyl Acetate	3.370	43	5266	5.13	ppb	#	81
18) methylene chloride	3.532	84	6008	4.96	ppb		85
19) methyl tert butyl ether	3.659	73	13391	4.68	ppb		84
21) allyl chloride	3.411	41	6718	4.71	ppb		77
22) trans-1,2-dichloroethene	3.798	96	5460	4.80	ppb		97
23) iodomethane	3.386	142	9781	5.20	ppb		90
24) carbon disulfide	3.586	76	15173	4.64	ppb		99
25) propionitrile	4.717	54	557m	4.77	ppb		
26) vinyl acetate	4.206	43	8785	4.75	ppb		100
27) chloroprene	4.306	53	7024	4.77	ppb		93
28) di-isopropyl ether	4.091	45	14990	4.78	ppb		73
29) methacrylonitrile	4.926	41	3050	4.91	ppb		72
30) 2-butanone	4.639	72	596m	4.54	ppb		
31) Ethyl Acetate	4.806	43	619m	4.83	ug/L		
32) Hexane	3.845	41	5287	5.41	ppb		89
33) 1,1-dichloroethane	4.214	63	8965	4.91	ppb		86
34) tert-butyl ethyl ether	4.503	59	13927	4.71	ppb		88
35) isobutyl alcohol	4.953	43	814m	23.78	ppb		
36) 2,2-dichloropropane	4.791	77	5563	5.04	ppb		95
37) cis-1,2-dichloroethene	4.833	96	5860	4.84	ppb	#	82
38) bromochloromethane	5.174	128	2649	5.12	ppb	#	75
39) chloroform	4.999	83	9696	4.92	ppb		95
42) 1,1,1-trichloroethane	5.430	97	7768	4.85	ppb		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130656.D
Acq On : 20 Aug 2013 1:29 pm
Operator : jaimem
Sample : ic5092-5
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 07:37:52 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:33:55 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	Cyclohexane	5.448	56	9003	5.14	ppb	#	78
45)	carbon tetrachloride	5.709	117	7251	4.81	ppb		98
46)	1,1-dichloropropene	5.593	75	7847	5.06	ppb		94
47)	benzene	5.893	78	22654	4.61	ppb		96
48)	1,2-dichloroethane	5.873	62	7805	4.89	ppb		93
49)	tert-amyl methyl ether	5.718	73	12900	4.59	ppb		87
50)	heptane	5.742	43	10761	5.05	ppb		79
51)	trichloroethene	6.560	95	6464	4.78	ppb		89
52)	1,2-dichloropropane	6.758	63	5412	4.85	ppb		95
54)	bromodichloromethane	7.016	83	6246	4.70	ppb		99
55)	Methylcyclohexane	6.629	83	8848	5.01	ppb		84
56)	2-chloroethyl vinyl ether	7.348	63	333m	2.51	ppb		
57)	methyl methacrylate	6.816	69	2647	4.48	ppb	#	64
59)	cis-1,3-dichloropropene	7.610	75	7708	4.52	ppb		97
61)	4-methyl-2-pentanone	7.380	43	3626	4.35	ppb	#	82
62)	toluene	7.965	92	13739	5.07	ppb		94
63)	trans-1,3-dichloropropene	8.162	75	6705	4.62	ppb		99
64)	1,1,2-trichloroethane	8.335	83	4179	5.12	ppb		85
65)	ethyl methacrylate	8.149	69	4471	4.02	ppb		78
67)	tetrachloroethene	8.678	166	5929	4.61	ppb		94
68)	1,3-dichloropropane	8.612	76	8054	5.23	ppb		92
69)	dibromochloromethane	8.904	129	4338	4.66	ppb		95
70)	1,2-dibromoethane	9.124	107	4564	4.65	ppb		98
71)	2-hexanone	8.345	43	2888	4.44	ppb	#	61
72)	chlorobenzene	9.580	112	17243	4.87	ppb		95
73)	1,1,1,2-tetrachloroethane	9.627	131	5122	4.61	ppb		96
74)	ethylbenzene	9.636	91	27069	4.82	ppb		93
75)	m,p-xylene	9.719	106	21107	9.82	ppb		83
76)	o-xylene	10.199	106	9371	4.52	ppb	#	72
77)	styrene	10.237	104	14696	4.43	ppb		91
78)	bromoform	10.611	173	2181	4.09	ppb		95
79)	trans-1,4-dichloro-2-b...	10.645	53	1242	3.85	ppb		97
81)	isopropylbenzene	10.590	105	25074	4.76	ppb		94
83)	bromobenzene	11.080	156	6840	5.32	ppb		88
84)	1,1,2,2-tetrachloroethane	10.782	83	5299	4.89	ppb		86
85)	1,2,3-trichloropropane	10.942	75	4475	5.14	ppb		94
86)	n-propylbenzene	11.029	91	30560	4.95	ppb		95
87)	2-chlorotoluene	11.224	91	22615	5.16	ppb		88
88)	4-chlorotoluene	11.277	91	20145	5.29	ppb		86
89)	1,3,5-trimethylbenzene	11.203	105	21095	4.75	ppb		97
90)	tert-butylbenzene	11.598	91	14552	4.81	ppb	#	77
91)	1,2,4-trimethylbenzene	11.633	105	21366	4.79	ppb		98
92)	sec-butylbenzene	11.825	105	25791	4.80	ppb		100
93)	1,3-dichlorobenzene	12.080	146	13166	4.90	ppb		93
94)	p-isopropyltoluene	11.975	119	19040	4.56	ppb		95
95)	1,4-dichlorobenzene	12.197	146	13105	4.92	ppb		93
96)	1,2-dichlorobenzene	12.603	146	11982	4.82	ppb		91
97)	n-butylbenzene	12.423	91	17777	4.47	ppb		93
98)	1,2-dibromo-3-chloropr...	13.460	75	662m	4.26	ppb		
100)	1,2,4-trichlorobenzene	14.421	180	4134	3.15	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130656.D
Acq On : 20 Aug 2013 1:29 pm
Operator : jaimem
Sample : ic5092-5
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 07:37:52 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:33:55 2013
Response via : Initial Calibration

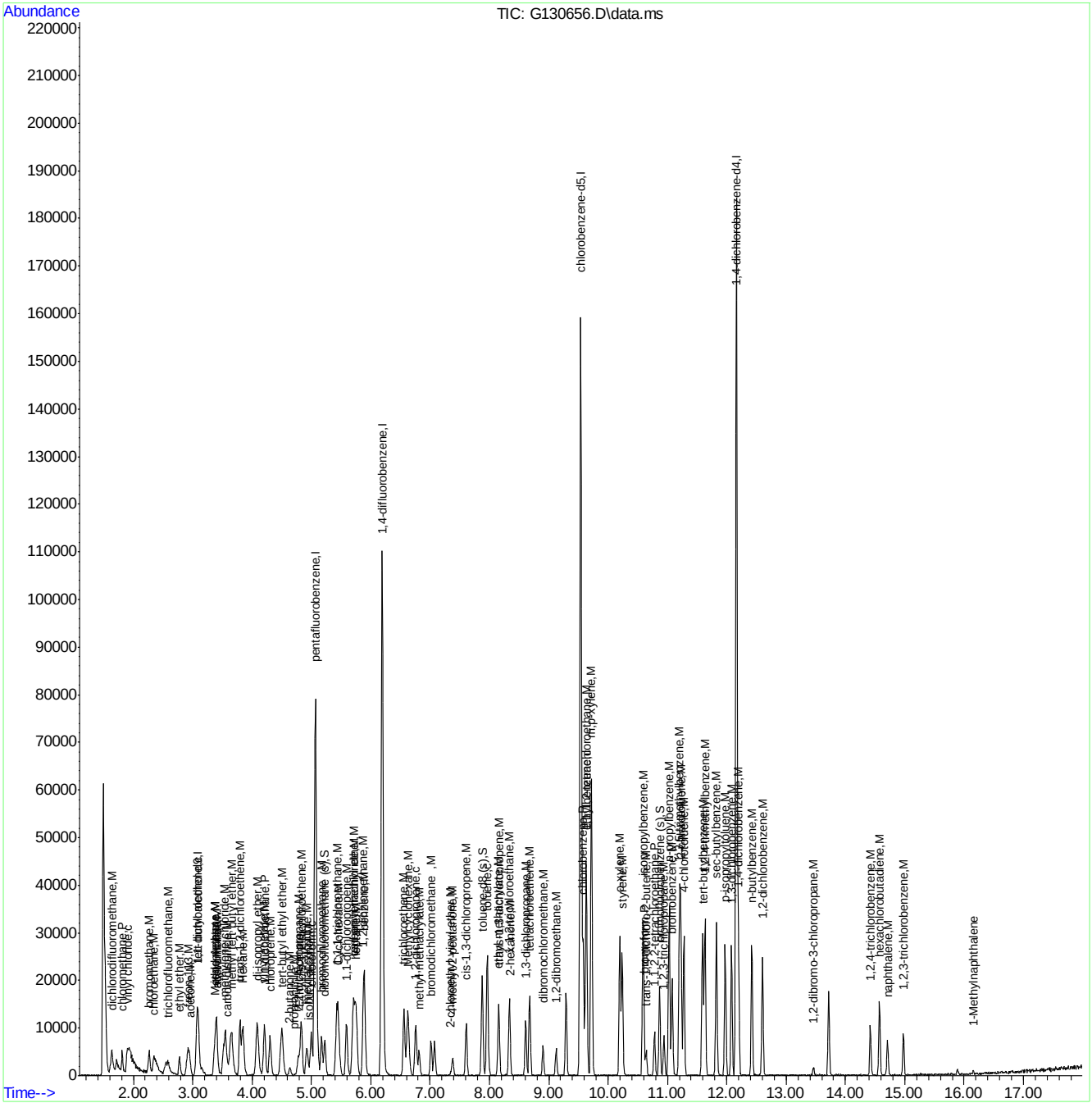
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) hexachlorobutadiene	14.573	225	3811	5.06	ppb	84
102) naphthalene	14.709	128	7292	2.77	ppb	100
104) 1-Methylnaphthalene	16.155	142	427m	0.98	ug/L	
105) 1,2,3-trichlorobenzene	14.979	180	3534	3.36	ppb	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130656.D
Acq On : 20 Aug 2013 1:29 pm
Operator : jaimem
Sample : ic5092-5
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 07:37:52 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:33:55 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/21/13 09:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130657.D
Acq On : 20 Aug 2013 1:56 pm
Operator : jaimem
Sample : ic5092-25
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 07:39:32 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:38:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.082	65	23670	500.00	ppb		0.00
4) pentafluorobenzene	5.071	168	74847	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	117275	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	59063	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	55205	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	25791	25.17	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 50.34%#				
60) toluene-d8 (s)	7.878	98	93290	22.44	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 44.88%#				
82) bromofluorobenzene (s)	10.867	95	37621	20.93	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 41.86%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.157	59	16088	253.62	ppb		92
3) Ethanol	2.441	45	12675	2604.66	ppb		94
5) dichlorodifluoromethane	1.647	85	27049m	17.69	ppb		
6) chloromethane	1.826	50	15173	22.40	ppb		96
7) vinyl chloride	1.917	62	8768	25.25	ppb		92
8) bromomethane	2.272	96	13379	22.03	ppb		95
9) chloroethane	2.341	64	10051	23.77	ppb		87
10) ethyl ether	2.782	59	18377	28.20	ppb		78
11) acetonitrile	3.418	41	35434	25.64	ppb		95
12) trichlorofluoromethane	2.606	101	44131m	27.09	ppb		
13) freon-113	2.933	101	30298	29.31	ppb		89
14) acrolein	2.903	56	8354	121.71	ppb		98
15) 1,1-dichloroethene	3.091	96	25273	25.21	ppb		96
16) acetone	2.961	58	3468	28.82	ppb		92
17) Methyl Acetate	3.372	43	24904	23.99	ppb	#	81
18) methylene chloride	3.534	84	27719	22.99	ppb	#	81
19) methyl tert butyl ether	3.663	73	67749	24.22	ppb		91
20) acrylonitrile	3.635	53	8262	24.47	ppb		99
21) allyl chloride	3.418	41	35434	25.64	ppb		87
22) trans-1,2-dichloroethene	3.800	96	26366	23.54	ppb		96
23) iodomethane	3.387	142	46446	24.26	ppb		92
24) carbon disulfide	3.592	76	77036	24.49	ppb		99
25) propionitrile	4.718	54	2732	23.98	ppb		100
26) vinyl acetate	4.209	43	44703	24.83	ppb		93
27) chloroprene	4.308	53	35803	24.93	ppb		83
28) di-isopropyl ether	4.094	45	74612	24.19	ppb		89
29) methacrylonitrile	4.927	41	15110	24.59	ppb		61
30) 2-butanone	4.639	72	2985	23.88	ppb	#	71
31) Ethyl Acetate	4.807	43	3269	26.01	ug/L	#	65
32) Hexane	3.849	41	24708	24.34	ppb		97
33) 1,1-dichloroethane	4.217	63	42267	23.33	ppb		97
34) tert-butyl ethyl ether	4.506	59	70996	24.51	ppb		93
35) isobutyl alcohol	4.952	43	3947	118.41	ppb		82
36) 2,2-dichloropropane	4.794	77	26327	23.81	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130657.D
Acq On : 20 Aug 2013 1:56 pm
Operator : jaimem
Sample : ic5092-25
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 07:39:32 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:38:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.834	96	28138	23.54	ppb		91
38) bromochloromethane	5.175	128	12553	24.02	ppb	#	78
39) chloroform	5.000	83	45314	23.15	ppb		99
41) Tetrahydrofuran	5.218	42	5055	23.85	ppb		87
42) 1,1,1-trichloroethane	5.432	97	37683	23.79	ppb		92
44) Cyclohexane	5.449	56	42659	24.09	ppb	#	72
45) carbon tetrachloride	5.710	117	36027	24.26	ppb		91
46) 1,1-dichloropropene	5.594	75	37430	24.06	ppb		96
47) benzene	5.895	78	104159	21.67	ppb		98
48) 1,2-dichloroethane	5.874	62	37547	23.77	ppb		100
49) tert-amyl methyl ether	5.719	73	64516	23.99	ppb		86
50) heptane	5.742	43	51817	24.26	ppb		81
51) trichloroethene	6.562	95	29361	22.02	ppb		86
52) 1,2-dichloropropane	6.759	63	25913	23.51	ppb		100
53) dibromomethane	7.076	93	14917	24.27	ppb		89
54) bromodichloromethane	7.018	83	32239	24.83	ppb		97
55) Methylcyclohexane	6.629	83	42781	24.26	ppb	#	84
56) 2-chloroethyl vinyl ether	7.349	63	2525	25.41	ppb	#	47
57) methyl methacrylate	6.817	69	13705	24.52	ppb	#	69
58) 1,4-dioxane	7.053	88	890m	99.14	ppb		
59) cis-1,3-dichloropropene	7.610	75	41914	25.47	ppb		92
61) 4-methyl-2-pentanone	7.379	43	18516	23.81	ppb		81
62) toluene	7.965	92	65458	24.04	ppb		96
63) trans-1,3-dichloropropene	8.162	75	36269	25.72	ppb		96
64) 1,1,2-trichloroethane	8.335	83	18673	22.75	ppb		84
65) ethyl methacrylate	8.149	69	25326	25.30	ppb		77
67) tetrachloroethene	8.678	166	27752	21.92	ppb		98
68) 1,3-dichloropropane	8.612	76	37982	23.99	ppb		99
69) dibromochloromethane	8.905	129	23102	25.29	ppb		99
70) 1,2-dibromoethane	9.124	107	23317	24.22	ppb		97
71) 2-hexanone	8.343	43	14483	23.49	ppb		97
72) chlorobenzene	9.580	112	80053	22.70	ppb		96
73) 1,1,1,2-tetrachloroethane	9.627	131	26595	24.80	ppb		96
74) ethylbenzene	9.635	91	132276	23.73	ppb		93
75) m,p-xylene	9.719	106	104002	48.45	ppb		90
76) o-xylene	10.199	106	48859	24.24	ppb	#	80
77) styrene	10.237	104	78917	25.11	ppb		87
78) bromoform	10.611	173	11660	23.95	ppb		98
79) trans-1,4-dichloro-2-b...	10.643	53	7122	24.81	ppb		84
81) isopropylbenzene	10.590	105	133064	24.98	ppb		96
83) bromobenzene	11.080	156	32904	23.93	ppb		90
84) 1,1,2,2-tetrachloroethane	10.781	83	26199	23.50	ppb		93
85) 1,2,3-trichloropropane	10.942	75	21715	23.73	ppb		99
86) n-propylbenzene	11.029	91	156423	24.56	ppb		94
87) 2-chlorotoluene	11.223	91	111435	24.15	ppb		90
88) 4-chlorotoluene	11.276	91	99080	24.40	ppb		88
89) 1,3,5-trimethylbenzene	11.202	105	110791	24.68	ppb		97
90) tert-butylbenzene	11.597	91	75464	24.53	ppb		84
91) 1,2,4-trimethylbenzene	11.633	105	110898	24.50	ppb		98
92) sec-butylbenzene	11.825	105	132503	24.29	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130657.D
Acq On : 20 Aug 2013 1:56 pm
Operator : jaimem
Sample : ic5092-25
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 07:39:32 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:38:17 2013
Response via : Initial Calibration

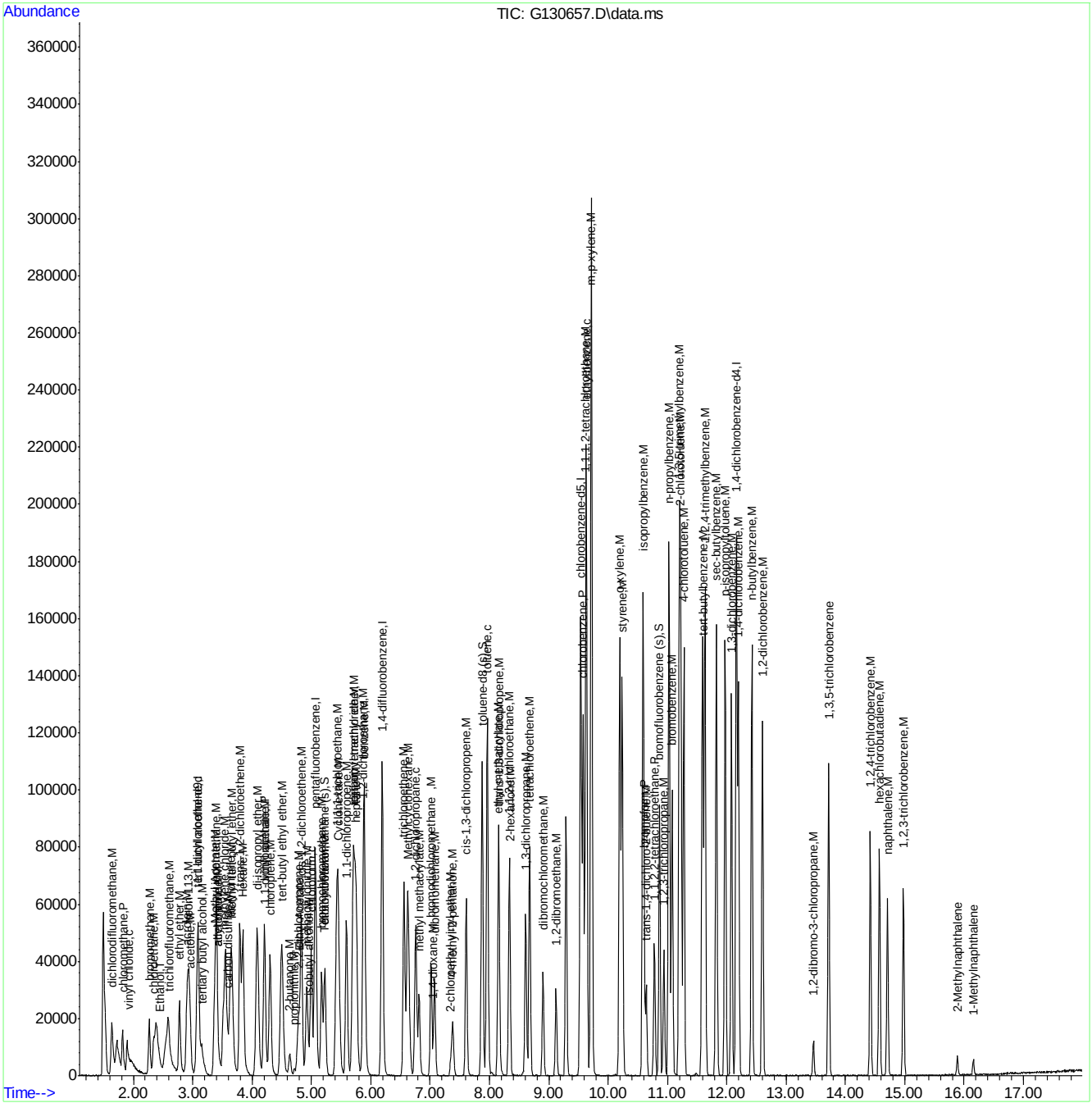
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	63161	22.83	ppb		96
94)	p-isopropyltoluene	11.974	119	102401	24.76	ppb		95
95)	1,4-dichlorobenzene	12.197	146	61588	22.42	ppb		96
96)	1,2-dichlorobenzene	12.602	146	58771	23.08	ppb		97
97)	n-butylbenzene	12.423	91	96934	24.82	ppb		94
98)	1,2-dibromo-3-chloropr...	13.460	75	3424	22.97	ppb	#	62
99)	1,3,5-trichlorobenzene	13.718	180	38064	23.13	ug/L		99
100)	1,2,4-trichlorobenzene	14.420	180	29253	26.39	ppb		96
101)	hexachlorobutadiene	14.573	225	18147	23.10	ppb		97
102)	naphthalene	14.708	128	55782	26.31	ppb		100
103)	2-Methylnaphthalene	15.888	142	4260	9.39	ug/L		93
104)	1-Methylnaphthalene	16.156	142	3384	10.73	ug/L		93
105)	1,2,3-trichlorobenzene	14.978	180	23098	25.33	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130657.D
Acq On : 20 Aug 2013 1:56 pm
Operator : jaimem
Sample : ic5092-25
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 07:39:32 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:38:17 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/21/13 09:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130658.D
Acq On : 20 Aug 2013 2:24 pm
Operator : jaimem
Sample : icc5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 21 07:41:30 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:40:06 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.083	65	25590	500.00	ppb		0.00
4) pentafluorobenzene	5.070	168	75609	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.194	114	118097	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	59041	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	55780	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	54377	52.41	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.82%				
60) toluene-d8 (s)	7.878	98	203305	49.58	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.16%				
82) bromofluorobenzene (s)	10.867	95	80863	46.02	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.04%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.160	59	34290	496.41	ppb		97
3) Ethanol	2.447	45	26305	4897.48	ppb		98
5) dichlorodifluoromethane	1.645	85	56847m	39.70	ppb		
6) chloromethane	1.825	50	33389	50.55	ppb		93
7) vinyl chloride	1.914	62	16469	46.83	ppb		86
8) bromomethane	2.275	96	29173	49.02	ppb		97
9) chloroethane	2.338	64	20488	48.77	ppb		83
10) ethyl ether	2.785	59	40087	58.40	ppb		79
11) acetonitrile	3.415	41	71863	51.04	ppb		90
12) trichlorofluoromethane	2.605	101	88030m	52.40	ppb		
13) freon-113	2.930	101	60748m	55.01	ppb		
14) acrolein	2.902	56	17335	253.34	ppb		100
15) 1,1-dichloroethene	3.093	96	52334	51.57	ppb		95
16) acetone	2.962	58	7618	59.63	ppb	#	86
17) Methyl Acetate	3.373	43	51775	50.04	ppb	#	76
18) methylene chloride	3.532	84	56777	47.56	ppb	#	78
19) methyl tert butyl ether	3.662	73	143076	51.04	ppb		89
20) acrylonitrile	3.634	53	17057	50.54	ppb		92
21) allyl chloride	3.415	41	71863	51.04	ppb		79
22) trans-1,2-dichloroethene	3.799	96	53956	48.39	ppb		93
23) iodomethane	3.385	142	94784	49.50	ppb		87
24) carbon disulfide	3.591	76	164734	52.20	ppb		100
25) propionitrile	4.719	54	5891	51.90	ppb		100
26) vinyl acetate	4.208	43	93312	51.42	ppb		94
27) chloroprene	4.308	53	74275	51.24	ppb		81
28) di-isopropyl ether	4.093	45	154756	50.07	ppb		89
29) methacrylonitrile	4.928	41	31314	50.73	ppb		61
30) 2-butanone	4.638	72	6619	53.21	ppb	#	51
31) Ethyl Acetate	4.807	43	6455	50.17	ug/L	#	65
32) Hexane	3.848	41	49251	48.45	ppb	#	93
33) 1,1-dichloroethane	4.217	63	86328	47.98	ppb		97
34) tert-butyl ethyl ether	4.505	59	148576	51.03	ppb		91
35) isobutyl alcohol	4.954	43	8629	260.84	ppb		85
36) 2,2-dichloropropane	4.792	77	55605	50.59	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130658.D
Acq On : 20 Aug 2013 2:24 pm
Operator : jaimem
Sample : icc5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 21 07:41:30 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:40:06 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.834	96	58113	48.83	ppb		87
38) bromochloromethane	5.175	128	26086	50.06	ppb	#	81
39) chloroform	4.999	83	92788	47.81	ppb		99
41) Tetrahydrofuran	5.216	42	10707	51.18	ppb		76
42) 1,1,1-trichloroethane	5.433	97	79784	50.48	ppb		91
44) Cyclohexane	5.449	56	87903	49.90	ppb	#	78
45) carbon tetrachloride	5.709	117	76134	51.28	ppb		96
46) 1,1-dichloropropene	5.594	75	77811	50.31	ppb		95
47) benzene	5.894	78	212166	45.02	ppb		96
48) 1,2-dichloroethane	5.874	62	75263	47.90	ppb		99
49) tert-amyl methyl ether	5.723	73	141252	52.87	ppb		92
50) heptane	5.741	43	106971	50.23	ppb		79
51) trichloroethene	6.561	95	61278	46.76	ppb		88
52) 1,2-dichloropropane	6.758	63	52604	48.11	ppb		99
53) dibromomethane	7.076	93	30949	50.74	ppb		92
54) bromodichloromethane	7.017	83	69034	52.88	ppb		98
55) Methylcyclohexane	6.630	83	88699	50.45	ppb	#	78
56) 2-chloroethyl vinyl ether	7.348	63	6663	66.22	ppb		92
57) methyl methacrylate	6.817	69	29690	53.09	ppb	#	67
58) 1,4-dioxane	7.055	88	2260	278.84	ppb		87
59) cis-1,3-dichloropropene	7.610	75	90049	54.09	ppb		96
61) 4-methyl-2-pentanone	7.378	43	41897	54.36	ppb		81
62) toluene	7.965	92	136159	50.31	ppb		98
63) trans-1,3-dichloropropene	8.162	75	77400	54.11	ppb		92
64) 1,1,2-trichloroethane	8.335	83	38915	48.16	ppb		92
65) ethyl methacrylate	8.149	69	55909	55.24	ppb	#	72
67) tetrachloroethene	8.678	166	56717	45.94	ppb		97
68) 1,3-dichloropropane	8.611	76	77363	49.55	ppb		97
69) dibromochloromethane	8.904	129	51100	55.79	ppb		99
70) 1,2-dibromoethane	9.124	107	48785	51.09	ppb		96
71) 2-hexanone	8.343	43	32630	54.03	ppb		93
72) chlorobenzene	9.580	112	163305	47.41	ppb		93
73) 1,1,1,2-tetrachloroethane	9.626	131	55762	52.15	ppb		97
74) ethylbenzene	9.635	91	272385	49.51	ppb		94
75) m,p-xylene	9.719	106	210701	98.96	ppb		90
76) o-xylene	10.198	106	102646	51.33	ppb		85
77) styrene	10.236	104	166564	52.94	ppb		88
78) bromoform	10.610	173	26761	55.77	ppb		99
79) trans-1,4-dichloro-2-b...	10.643	53	16217	56.66	ppb		86
81) isopropylbenzene	10.589	105	275600	51.22	ppb		98
83) bromobenzene	11.080	156	67274	49.13	ppb		89
84) 1,1,2,2-tetrachloroethane	10.781	83	54372	49.00	ppb		91
85) 1,2,3-trichloropropane	10.941	75	45611	50.17	ppb		98
86) n-propylbenzene	11.028	91	323431	50.56	ppb		95
87) 2-chlorotoluene	11.223	91	229375	49.76	ppb		91
88) 4-chlorotoluene	11.277	91	199372	48.98	ppb		89
89) 1,3,5-trimethylbenzene	11.202	105	232673	51.52	ppb		95
90) tert-butylbenzene	11.597	91	158401	51.28	ppb		82
91) 1,2,4-trimethylbenzene	11.632	105	233566	51.41	ppb		93
92) sec-butylbenzene	11.825	105	281169	51.49	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130658.D
Acq On : 20 Aug 2013 2:24 pm
Operator : jaimem
Sample : icc5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 21 07:41:30 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:40:06 2013
Response via : Initial Calibration

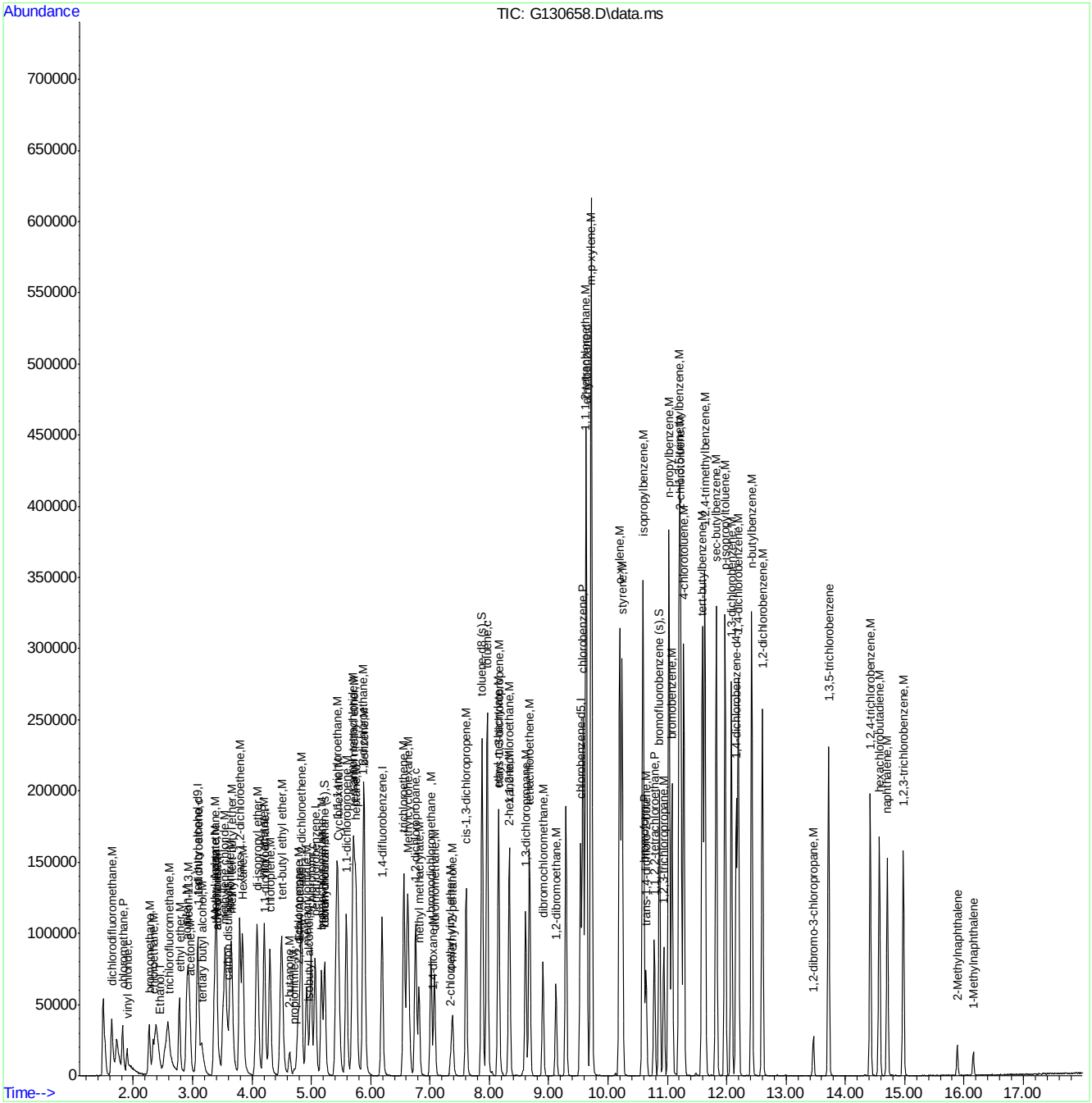
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.080	146	130173	47.60	ppb		94
94) p-isopropyltoluene	11.974	119	218446	52.44	ppb		96
95) 1,4-dichlorobenzene	12.196	146	126812	46.89	ppb		97
96) 1,2-dichlorobenzene	12.602	146	123511	48.94	ppb		97
97) n-butylbenzene	12.422	91	208457	52.95	ppb		93
98) 1,2-dibromo-3-chloropr...	13.460	75	8129	55.47	ppb	#	64
99) 1,3,5-trichlorobenzene	13.717	180	83156	51.95	ug/L		99
100) 1,2,4-trichlorobenzene	14.420	180	68718	60.23	ppb		96
101) hexachlorobutadiene	14.573	225	39460	51.01	ppb		98
102) naphthalene	14.708	128	137829	63.24	ppb		100
103) 2-Methylnaphthalene	15.887	142	11454	28.55	ug/L		98
104) 1-Methylnaphthalene	16.154	142	8754m	28.84	ug/L		
105) 1,2,3-trichlorobenzene	14.978	180	55122	59.57	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130658.D
Acq On : 20 Aug 2013 2:24 pm
Operator : jaimem
Sample : icc5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 21 07:41:30 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:40:06 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/21/13 09:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130659.D
Acq On : 20 Aug 2013 2:52 pm
Operator : jaimem
Sample : ic5092-100
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 07:42:56 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:41:42 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.086	65	25099	500.00	ppb		0.00
4) pentafluorobenzene	5.070	168	76845	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.194	114	120192	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	60312	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	56819	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.231	113	107908	102.34	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 204.68%#				
60) toluene-d8 (s)	7.878	98	396741	95.06	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 190.12%#				
82) bromofluorobenzene (s)	10.867	95	161287	90.12	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 180.24%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.161	59	69974	1032.82	ppb		93
3) Ethanol	2.450	45	56716	10765.99	ppb		99
5) dichlorodifluoromethane	1.647	85	113029m	90.24	ppb		
6) chloromethane	1.829	50	66180	98.58	ppb		98
7) vinyl chloride	1.916	62	31008	86.76	ppb		98
8) bromomethane	2.284	96	52984	87.59	ppb		95
9) chloroethane	2.339	64	40576	95.03	ppb		82
10) ethyl ether	2.786	59	76913	110.24	ppb		74
11) acetonitrile	3.416	41	138206	96.58	ppb		88
12) trichlorofluoromethane	2.609	101	166952m	98.53	ppb		
13) freon-113	2.932	101	121524m	107.07	ppb		
14) acrolein	2.904	56	35690	513.19	ppb		98
15) 1,1-dichloroethene	3.096	96	102421	99.30	ppb		95
16) acetone	2.963	58	15258	117.52	ppb		86
17) Methyl Acetate	3.371	43	100334m	95.42	ppb		
18) methylene chloride	3.534	84	108351	89.31	ppb	#	74
19) methyl tert butyl ether	3.663	73	283254	99.42	ppb		89
20) acrylonitrile	3.635	53	33653	98.11	ppb		93
21) allyl chloride	3.416	41	140586	98.25	ppb		75
22) trans-1,2-dichloroethene	3.800	96	104910	92.58	ppb		92
23) iodomethane	3.386	142	185982	95.56	ppb		86
24) carbon disulfide	3.593	76	325571	101.51	ppb		98
25) propionitrile	4.719	54	11827	102.52	ppb		100
26) vinyl acetate	4.207	43	186429	101.08	ppb		94
27) chloroprene	4.311	53	148737	100.96	ppb		85
28) di-isopropyl ether	4.093	45	306105	97.45	ppb		90
29) methacrylonitrile	4.929	41	61776	98.47	ppb		67
30) 2-butanone	4.638	72	14257	112.77	ppb	#	68
31) Ethyl Acetate	4.806	43	11965	91.49	ug/L	#	98
32) Hexane	3.848	41	95592	92.53	ppb	#	96
33) 1,1-dichloroethane	4.217	63	167339	91.51	ppb		97
34) tert-butyl ethyl ether	4.506	59	297981	100.70	ppb		89
35) isobutyl alcohol	4.957	43	17417	518.03	ppb		100
36) 2,2-dichloropropane	4.794	77	107141	95.90	ppb		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130659.D
Acq On : 20 Aug 2013 2:52 pm
Operator : jaimem
Sample : ic5092-100
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 07:42:56 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:41:42 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.834	96	113768	94.07	ppb		88
38) bromochloromethane	5.176	128	51095	96.49	ppb	#	80
39) chloroform	5.000	83	180352	91.44	ppb		100
41) Tetrahydrofuran	5.216	42	21883	102.92	ppb		76
42) 1,1,1-trichloroethane	5.434	97	156642	97.51	ppb		91
44) Cyclohexane	5.449	56	174434	97.29	ppb	#	78
45) carbon tetrachloride	5.710	117	150983	99.93	ppb		100
46) 1,1-dichloropropene	5.595	75	152842	97.09	ppb		94
47) benzene	5.894	78	412329	85.98	ppb		97
48) 1,2-dichloroethane	5.875	62	147759	92.40	ppb		99
49) tert-amyl methyl ether	5.723	73	283409	104.23	ppb		92
50) heptane	5.742	43	211057	97.38	ppb		82
51) trichloroethene	6.561	95	119265	89.41	ppb		85
52) 1,2-dichloropropane	6.759	63	103522	93.03	ppb		97
53) dibromomethane	7.076	93	61759	99.49	ppb		92
54) bromodichloromethane	7.018	83	140775	105.96	ppb		98
55) Methylcyclohexane	6.630	83	177604	99.25	ppb	#	81
56) 2-chloroethyl vinyl ether	7.348	63	15815	154.43	ppb		92
57) methyl methacrylate	6.817	69	60440	106.20	ppb	#	69
58) 1,4-dioxane	7.054	88	4813	583.48	ppb		72
59) cis-1,3-dichloropropene	7.610	75	181980	107.40	ppb		95
61) 4-methyl-2-pentanone	7.378	43	84728	108.01	ppb		81
62) toluene	7.965	92	265876	96.52	ppb		99
63) trans-1,3-dichloropropene	8.162	75	156343	107.39	ppb		95
64) 1,1,2-trichloroethane	8.336	83	76371	92.86	ppb		93
65) ethyl methacrylate	8.149	69	114762	111.41	ppb	#	72
67) tetrachloroethene	8.678	166	109989	87.22	ppb		96
68) 1,3-dichloropropane	8.612	76	154549	96.90	ppb		98
69) dibromochloromethane	8.905	129	107361	114.75	ppb		98
70) 1,2-dibromoethane	9.124	107	97286	99.74	ppb		98
71) 2-hexanone	8.342	43	63854	103.50	ppb		91
72) chlorobenzene	9.581	112	323349	91.89	ppb		92
73) 1,1,1,2-tetrachloroethane	9.627	131	112858	103.33	ppb		96
74) ethylbenzene	9.635	91	537343	95.61	ppb		94
75) m,p-xylene	9.720	106	413238	190.01	ppb		89
76) o-xylene	10.198	106	205522	100.61	ppb		87
77) styrene	10.237	104	331558	103.16	ppb		89
78) bromoform	10.611	173	57351	117.00	ppb		98
79) trans-1,4-dichloro-2-b...	10.644	53	33426	114.33	ppb		84
81) isopropylbenzene	10.590	105	543658	99.19	ppb		97
83) bromobenzene	11.080	156	133899	95.99	ppb		91
84) 1,1,2,2-tetrachloroethane	10.782	83	108515	96.01	ppb		96
85) 1,2,3-trichloropropane	10.942	75	88849	95.95	ppb		99
86) n-propylbenzene	11.029	91	638786	98.03	ppb		93
87) 2-chlorotoluene	11.224	91	444328	94.63	ppb		90
88) 4-chlorotoluene	11.277	91	400964	96.70	ppb		89
89) 1,3,5-trimethylbenzene	11.203	105	460198	100.03	ppb		94
90) tert-butylbenzene	11.598	91	311549	99.02	ppb		82
91) 1,2,4-trimethylbenzene	11.633	105	465363	100.56	ppb		95
92) sec-butylbenzene	11.825	105	554395	99.68	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130659.D
Acq On : 20 Aug 2013 2:52 pm
Operator : jaimem
Sample : ic5092-100
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 07:42:56 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:41:42 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.080	146	258210	92.70	ppb		95
94) p-isopropyltoluene	11.974	119	437149	103.03	ppb		95
95) 1,4-dichlorobenzene	12.197	146	252430	91.64	ppb		97
96) 1,2-dichlorobenzene	12.602	146	244415	95.08	ppb		97
97) n-butylbenzene	12.423	91	416969	103.98	ppb		95
98) 1,2-dibromo-3-chloropr...	13.460	75	17628	118.09	ppb	#	72
99) 1,3,5-trichlorobenzene	13.718	180	170363	104.48	ug/L		100
100) 1,2,4-trichlorobenzene	14.420	180	146007	125.64	ppb		97
101) hexachlorobutadiene	14.573	225	77063	97.79	ppb		99
102) naphthalene	14.708	128	300668	135.43	ppb		100
103) 2-Methylnaphthalene	15.888	142	30456	74.51	ug/L		98
104) 1-Methylnaphthalene	16.156	142	23302	85.51	ug/L		94
105) 1,2,3-trichlorobenzene	14.978	180	116358	123.44	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

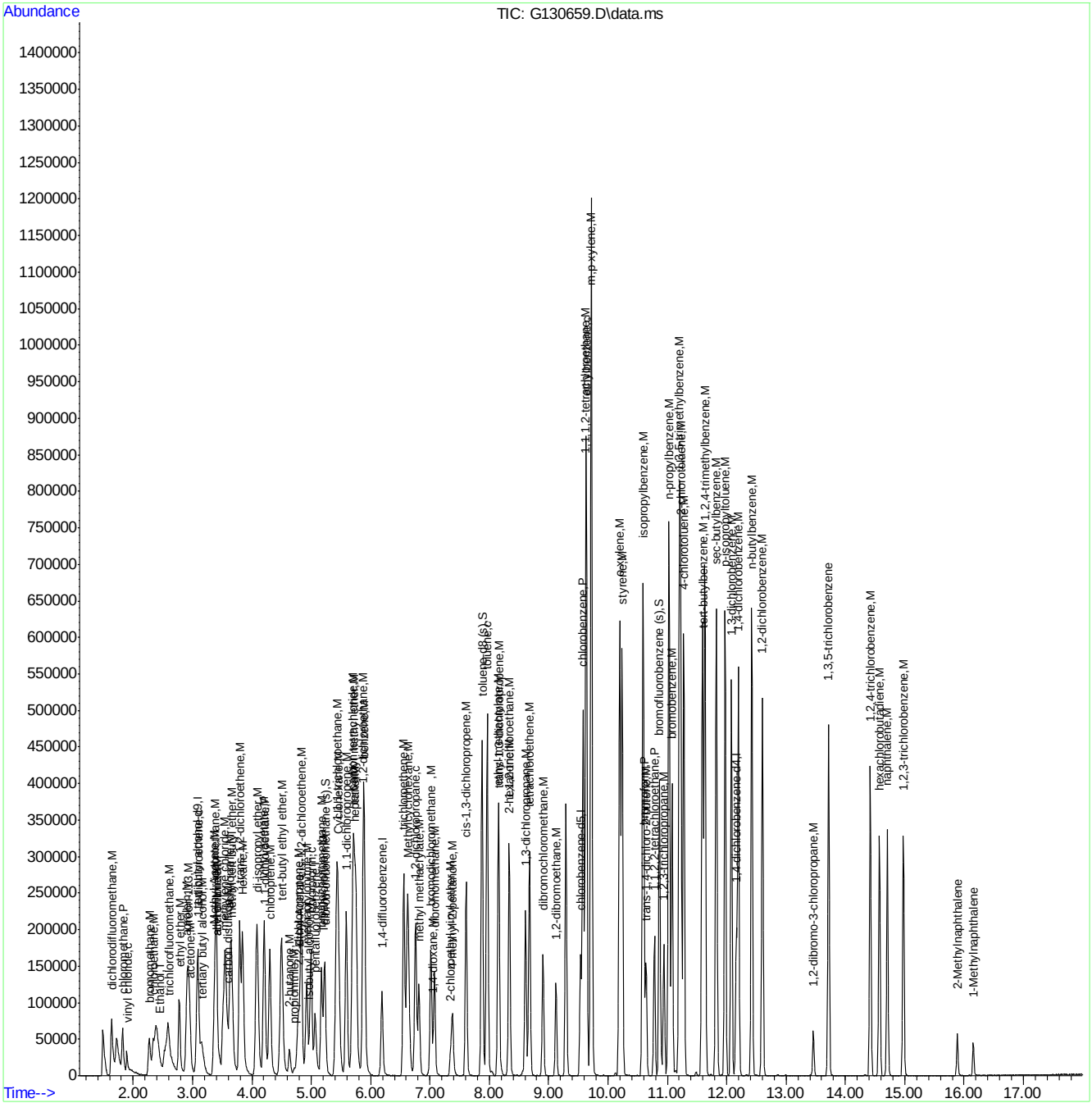
7.6.6

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130659.D
Acq On : 20 Aug 2013 2:52 pm
Operator : jaimem
Sample : ic5092-100
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 07:42:56 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:41:42 2013
Response via : Initial Calibration



G130660.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski
08/21/13 09:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130660.D
Acq On : 20 Aug 2013 3:21 pm
Operator : jaimem
Sample : ic5092-200
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 21 07:44:32 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:43:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.086	65	24198	500.00	ppb		0.00
4) pentafluorobenzene	5.070	168	78136	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	122887	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	61808	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.163	152	60149	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.231	113	216835	201.07	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 402.14%#				
60) toluene-d8 (s)	7.878	98	793391	187.47	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 374.94%#				
82) bromofluorobenzene (s)	10.868	95	328579	176.33	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 352.66%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.156	59	145608	2205.08	ppb		95
3) Ethanol	2.445	45	83569	16044.31	ppb		100
5) dichlorodifluoromethane	1.648	85	228448m	182.95	ppb		
6) chloromethane	1.837	50	134325	197.48	ppb		96
7) vinyl chloride	1.922	62	63587	179.73	ppb		100
8) bromomethane	2.292	96	104085	173.53	ppb		98
9) chloroethane	2.339	64	72098	168.15	ppb		85
10) ethyl ether	2.786	59	155889	214.26	ppb		79
11) acetonitrile	3.414	41	281653	195.25	ppb		88
12) trichlorofluoromethane	2.610	101	316761m	184.40	ppb		
13) freon-113	2.936	101	243879m	207.65	ppb		
14) acrolein	2.904	56	71253	998.85	ppb		98
15) 1,1-dichloroethene	3.094	96	205041	195.77	ppb		94
16) acetone	2.961	58	26170	189.92	ppb		91
17) Methyl Acetate	3.371	43	196673	186.08	ppb	#	78
18) methylene chloride	3.531	84	215663	178.65	ppb	#	75
19) methyl tert butyl ether	3.662	73	581853	201.08	ppb		87
20) acrylonitrile	3.635	53	66587	192.13	ppb		93
21) allyl chloride	3.414	41	281676	194.45	ppb		76
22) trans-1,2-dichloroethene	3.800	96	209739	184.77	ppb		92
23) iodomethane	3.385	142	374682	191.46	ppb		86
24) carbon disulfide	3.587	76	664215	202.91	ppb		99
25) propionitrile	4.718	54	23020	195.01	ppb		100
26) vinyl acetate	4.206	43	377082	200.53	ppb		95
27) chloroprene	4.311	53	300097	199.85	ppb		80
28) di-isopropyl ether	4.092	45	619796	195.05	ppb		88
29) methacrylonitrile	4.929	41	122411	192.63	ppb		64
30) 2-butanone	4.637	72	25103	189.24	ppb	#	62
31) Ethyl Acetate	4.806	43	23604	181.37	ug/L	#	97
32) Hexane	3.848	41	183640	178.14	ppb	#	91
33) 1,1-dichloroethane	4.217	63	335302	183.44	ppb		97
34) tert-butyl ethyl ether	4.505	59	610006	202.45	ppb		91
35) isobutyl alcohol	4.958	43	33308	965.59	ppb		89
36) 2,2-dichloropropane	4.795	77	217974	193.87	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130660.D
Acq On : 20 Aug 2013 3:21 pm
Operator : jaimem
Sample : ic5092-200
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 21 07:44:32 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:43:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.834	96	229166	188.59	ppb		88
38) bromochloromethane	5.176	128	104842	196.43	ppb	#	79
39) chloroform	5.000	83	362821	184.07	ppb		100
41) Tetrahydrofuran	5.215	42	42575	195.03	ppb		77
42) 1,1,1-trichloroethane	5.435	97	320479	197.19	ppb		90
44) Cyclohexane	5.450	56	344843	189.40	ppb	#	77
45) carbon tetrachloride	5.711	117	311355	201.58	ppb		98
46) 1,1-dichloropropene	5.595	75	308563	193.12	ppb		95
47) benzene	5.895	78	819471	171.12	ppb		98
48) 1,2-dichloroethane	5.875	62	296063	183.87	ppb		100
49) tert-amyl methyl ether	5.722	73	585005	208.22	ppb		87
50) heptane	5.742	43	413027	187.62	ppb		82
51) trichloroethene	6.562	95	241319	180.13	ppb		87
52) 1,2-dichloropropane	6.759	63	210362	187.52	ppb		97
53) dibromomethane	7.077	93	125005	197.30	ppb		92
54) bromodichloromethane	7.018	83	292945	213.12	ppb		98
55) Methylcyclohexane	6.632	83	351238	192.34	ppb	#	81
56) 2-chloroethyl vinyl ether	7.348	63	37737	317.25	ppb		93
57) methyl methacrylate	6.817	69	125637	212.62	ppb	#	71
58) 1,4-dioxane	7.052	88	8495	954.17	ppb		73
59) cis-1,3-dichloropropene	7.611	75	379705	215.98	ppb		95
61) 4-methyl-2-pentanone	7.377	43	175925	215.05	ppb		81
62) toluene	7.965	92	535839	191.92	ppb		99
63) trans-1,3-dichloropropene	8.162	75	323771	214.35	ppb		95
64) 1,1,2-trichloroethane	8.336	83	155927	188.13	ppb		94
65) ethyl methacrylate	8.149	69	238229	219.92	ppb	#	73
67) tetrachloroethene	8.679	166	220855	174.61	ppb		96
68) 1,3-dichloropropane	8.612	76	314286	193.79	ppb		98
69) dibromochloromethane	8.905	129	232039	235.07	ppb		99
70) 1,2-dibromoethane	9.124	107	202803	202.99	ppb		98
71) 2-hexanone	8.343	43	121427	190.39	ppb		92
72) chlorobenzene	9.581	112	655703	184.83	ppb		93
73) 1,1,1,2-tetrachloroethane	9.627	131	230518	204.25	ppb		97
74) ethylbenzene	9.636	91	1062840	186.16	ppb		95
75) m,p-xylene	9.720	106	820155	371.69	ppb		89
76) o-xylene	10.199	106	417111	199.00	ppb		88
77) styrene	10.237	104	679975	204.83	ppb		87
78) bromoform	10.611	173	127700	243.85	ppb		100
79) trans-1,4-dichloro-2-b...	10.644	53	70396	226.83	ppb		78
81) isopropylbenzene	10.590	105	1099167	189.83	ppb		97
83) bromobenzene	11.081	156	275850	188.70	ppb		88
84) 1,1,2,2-tetrachloroethane	10.782	83	226665	190.96	ppb		95
85) 1,2,3-trichloropropane	10.942	75	182631	188.21	ppb		99
86) n-propylbenzene	11.030	91	1274664	185.69	ppb		95
87) 2-chlorotoluene	11.224	91	896235	182.76	ppb		89
88) 4-chlorotoluene	11.278	91	808817	185.80	ppb		89
89) 1,3,5-trimethylbenzene	11.203	105	932015	191.35	ppb		95
90) tert-butylbenzene	11.598	91	629268	189.40	ppb		83
91) 1,2,4-trimethylbenzene	11.634	105	943848	192.40	ppb		94
92) sec-butylbenzene	11.826	105	1110746	188.80	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130660.D
Acq On : 20 Aug 2013 3:21 pm
Operator : jaimem
Sample : ic5092-200
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 21 07:44:32 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:43:53 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.081	146	527627	181.59	ppb		95
94)	p-isopropyltoluene	11.975	119	883244	195.17	ppb		95
95)	1,4-dichlorobenzene	12.198	146	522426	182.20	ppb		97
96)	1,2-dichlorobenzene	12.603	146	508883	188.85	ppb		96
97)	n-butylbenzene	12.423	91	830768	193.77	ppb		94
98)	1,2-dibromo-3-chloropr...	13.461	75	38925	235.67	ppb	#	71
99)	1,3,5-trichlorobenzene	13.718	180	343088	195.83	ug/L		100
100)	1,2,4-trichlorobenzene	14.421	180	299375	228.69	ppb		99
101)	hexachlorobutadiene	14.574	225	151876	183.07	ppb		97
102)	naphthalene	14.708	128	626140	244.74	ppb		100
103)	2-Methylnaphthalene	15.888	142	68756	136.58	ug/L		97
104)	1-Methylnaphthalene	16.156	142	50638	149.07	ug/L		95
105)	1,2,3-trichlorobenzene	14.978	180	233265	220.82	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.7

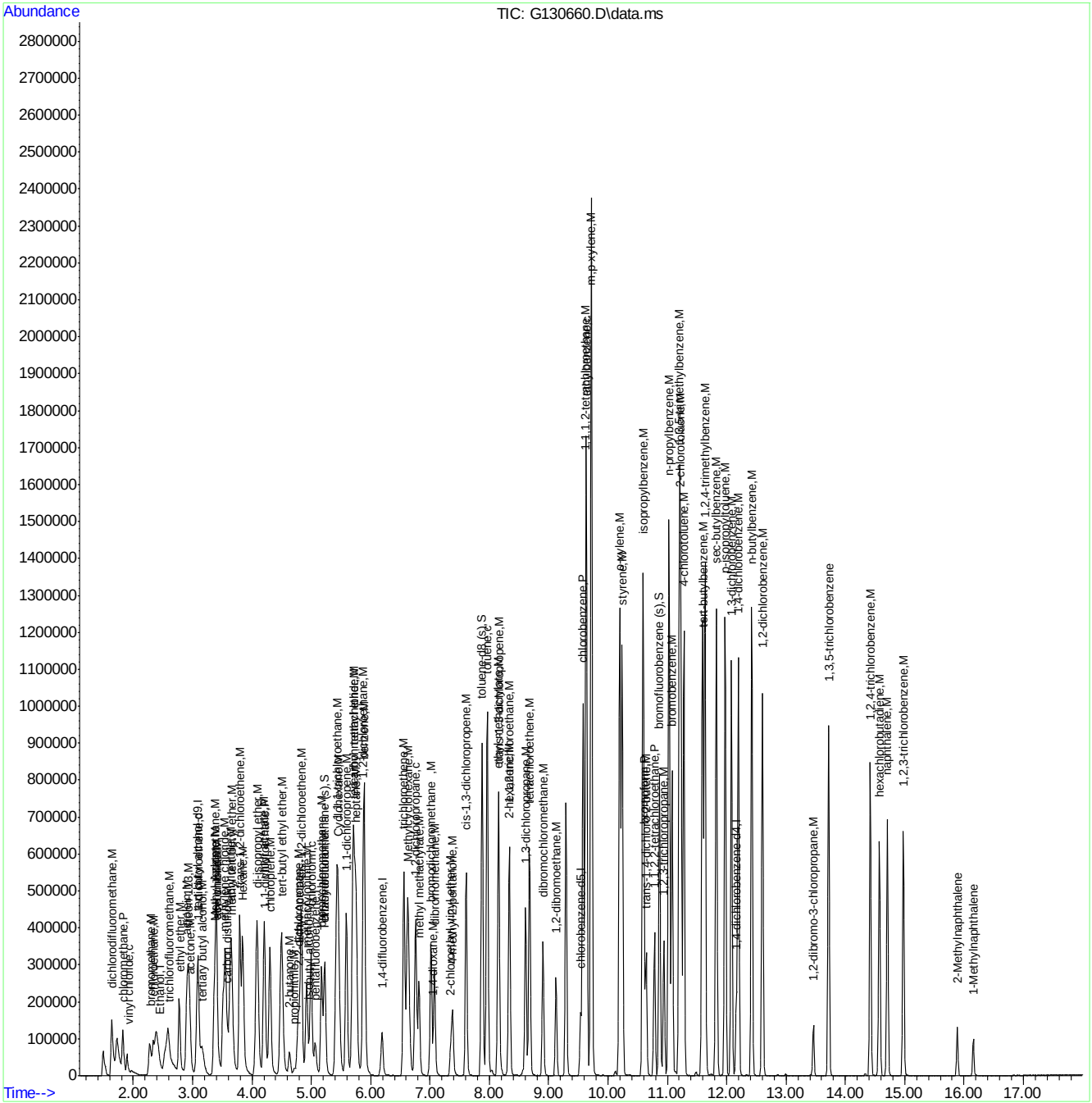
7

ACCUTEST LABORATORIES MC23593

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130660.D
Acq On : 20 Aug 2013 3:21 pm
Operator : jaimem
Sample : ic5092-200
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 21 07:44:32 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:43:53 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/21/13 09:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130661.D
Acq On : 20 Aug 2013 3:49 pm
Operator : jaimem
Sample : ic5092-400
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 21 07:45:49 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:45:25 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.094	65	25708	500.00	ppb		0.00
4) pentafluorobenzene	5.071	168	78316	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	126723	50.00	ppb		0.00
66) chlorobenzene-d5	9.539	82	62500	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.164	152	62256	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.231	113	440868	407.44	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 814.88%#				
60) toluene-d8 (s)	7.879	98	1624262	375.55	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 751.10%#				
82) bromofluorobenzene (s)	10.869	95	667854	352.22	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 704.44%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.164	59	307462	4273.16	ppb		92
3) Ethanol	2.448	45	196248	37309.16	ppb		99
5) dichlorodifluoromethane	1.647	85	450798m	365.37	ppb		
6) chloromethane	1.834	50	249354	366.67	ppb		97
7) vinyl chloride	1.918	62	118782	340.73	ppb		99
8) bromomethane	2.296	96	231863	394.38	ppb		98
9) chloroethane	2.337	64	163742	393.55	ppb		84
10) ethyl ether	2.785	59	306768	414.76	ppb		76
11) acetonitrile	3.416	41	556652	386.83	ppb		89
12) trichlorofluoromethane	2.613	101	719452	423.36	ppb		95
13) freon-113	2.939	101	487354	410.86	ppb		92
14) acrolein	2.905	56	141143	1974.61	ppb		98
15) 1,1-dichloroethene	3.101	96	414780	396.52	ppb		93
16) acetone	2.963	58	47027	343.96	ppb	#	85
17) Methyl Acetate	3.372	43	381754	365.45	ppb	#	77
18) methylene chloride	3.534	84	432448	363.87	ppb	#	74
19) methyl tert butyl ether	3.663	73	1160704	399.84	ppb		88
20) acrylonitrile	3.636	53	129355	376.08	ppb		96
21) allyl chloride	3.416	41	557335	386.00	ppb		75
22) trans-1,2-dichloroethene	3.800	96	422628	376.24	ppb		92
23) iodomethane	3.385	142	738428	379.71	ppb		86
24) carbon disulfide	3.594	76	1354441	411.61	ppb		99
25) propionitrile	4.720	54	47353	402.23	ppb		100
26) vinyl acetate	4.207	43	747680	396.49	ppb		95
27) chloroprene	4.311	53	610010	405.37	ppb		82
28) di-isopropyl ether	4.093	45	1231130	388.15	ppb		88
29) methacrylonitrile	4.930	41	245109	387.68	ppb		66
30) 2-butanone	4.638	72	47205	358.89	ppb	#	58
31) Ethyl Acetate	4.807	43	46544	363.59	ug/L	#	98
32) Hexane	3.847	41	384205	380.15	ppb	#	92
33) 1,1-dichloroethane	4.218	63	666064	368.65	ppb		97
34) tert-butyl ethyl ether	4.506	59	1223449	404.29	ppb		90
35) isobutyl alcohol	4.962	43	67588	1968.41	ppb		83
36) 2,2-dichloropropane	4.797	77	417938	373.15	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130661.D
Acq On : 20 Aug 2013 3:49 pm
Operator : jaimem
Sample : ic5092-400
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 21 07:45:49 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:45:25 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.834	96	458134	379.76	ppb		87
38) bromochloromethane	5.176	128	211519	396.81	ppb	#	77
39) chloroform	5.001	83	724945	371.87	ppb		100
41) Tetrahydrofuran	5.215	42	83328	383.22	ppb		72
42) 1,1,1-trichloroethane	5.437	97	649981	399.95	ppb		91
44) Cyclohexane	5.451	56	704066	379.01	ppb	#	76
45) carbon tetrachloride	5.712	117	640400	401.53	ppb		98
46) 1,1-dichloropropene	5.595	75	626355	382.78	ppb		95
47) benzene	5.895	78	1625886	336.18	ppb		98
48) 1,2-dichloroethane	5.876	62	588033	358.96	ppb		99
49) tert-amyl methyl ether	5.724	73	1154947	395.39	ppb		89
50) heptane	5.743	43	836223	372.98	ppb		78
51) trichloroethene	6.562	95	485603	356.56	ppb		88
52) 1,2-dichloropropane	6.760	63	418836	365.85	ppb		98
53) dibromomethane	7.078	93	251414	386.10	ppb		93
54) bromodichloromethane	7.019	83	601881	420.03	ppb		99
55) Methylcyclohexane	6.634	83	753142	403.03	ppb	#	80
56) 2-chloroethyl vinyl ether	7.349	63	91209	665.53	ppb		93
57) methyl methacrylate	6.818	69	255343	413.82	ppb	#	69
58) 1,4-dioxane	7.054	88	19919	2194.74	ppb	#	65
59) cis-1,3-dichloropropene	7.611	75	773818	421.22	ppb		95
61) 4-methyl-2-pentanone	7.377	43	362556	423.40	ppb		83
62) toluene	7.967	92	1073064	375.75	ppb		97
63) trans-1,3-dichloropropene	8.163	75	650889	412.94	ppb		94
64) 1,1,2-trichloroethane	8.337	83	307957	363.90	ppb		93
65) ethyl methacrylate	8.150	69	473255	415.38	ppb	#	72
67) tetrachloroethene	8.680	166	446824	355.81	ppb		96
68) 1,3-dichloropropane	8.613	76	630576	386.91	ppb		99
69) dibromochloromethane	8.906	129	484183	471.31	ppb		98
70) 1,2-dibromoethane	9.125	107	410222	405.05	ppb		97
71) 2-hexanone	8.344	43	225765	353.46	ppb		91
72) chlorobenzene	9.582	112	1302239	367.66	ppb		93
73) 1,1,1,2-tetrachloroethane	9.629	131	455847	397.74	ppb		96
74) ethylbenzene	9.637	91	2095068	367.13	ppb		95
75) m,p-xylene	9.722	106	1594193	723.01	ppb		88
76) o-xylene	10.200	106	828775	391.36	ppb		86
77) styrene	10.239	104	1356727	402.22	ppb		89
78) bromoform	10.612	173	262982	475.75	ppb		97
79) trans-1,4-dichloro-2-b...	10.645	53	145043	450.11	ppb		78
81) isopropylbenzene	10.591	105	2215763	373.51	ppb		96
83) bromobenzene	11.082	156	545630	364.74	ppb		94
84) 1,1,2,2-tetrachloroethane	10.784	83	456323	374.25	ppb		95
85) 1,2,3-trichloropropane	10.943	75	364907	367.67	ppb		99
86) n-propylbenzene	11.031	91	2547780	363.81	ppb		94
87) 2-chlorotoluene	11.226	91	1769146	354.68	ppb		89
88) 4-chlorotoluene	11.280	91	1620469	364.83	ppb		88
89) 1,3,5-trimethylbenzene	11.205	105	1862787	372.73	ppb		94
90) tert-butylbenzene	11.600	91	1272367	373.96	ppb		82
91) 1,2,4-trimethylbenzene	11.636	105	1883948	373.88	ppb		94
92) sec-butylbenzene	11.827	105	2285529	379.59	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130661.D
Acq On : 20 Aug 2013 3:49 pm
Operator : jaimem
Sample : ic5092-400
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 21 07:45:49 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:45:25 2013
Response via : Initial Calibration

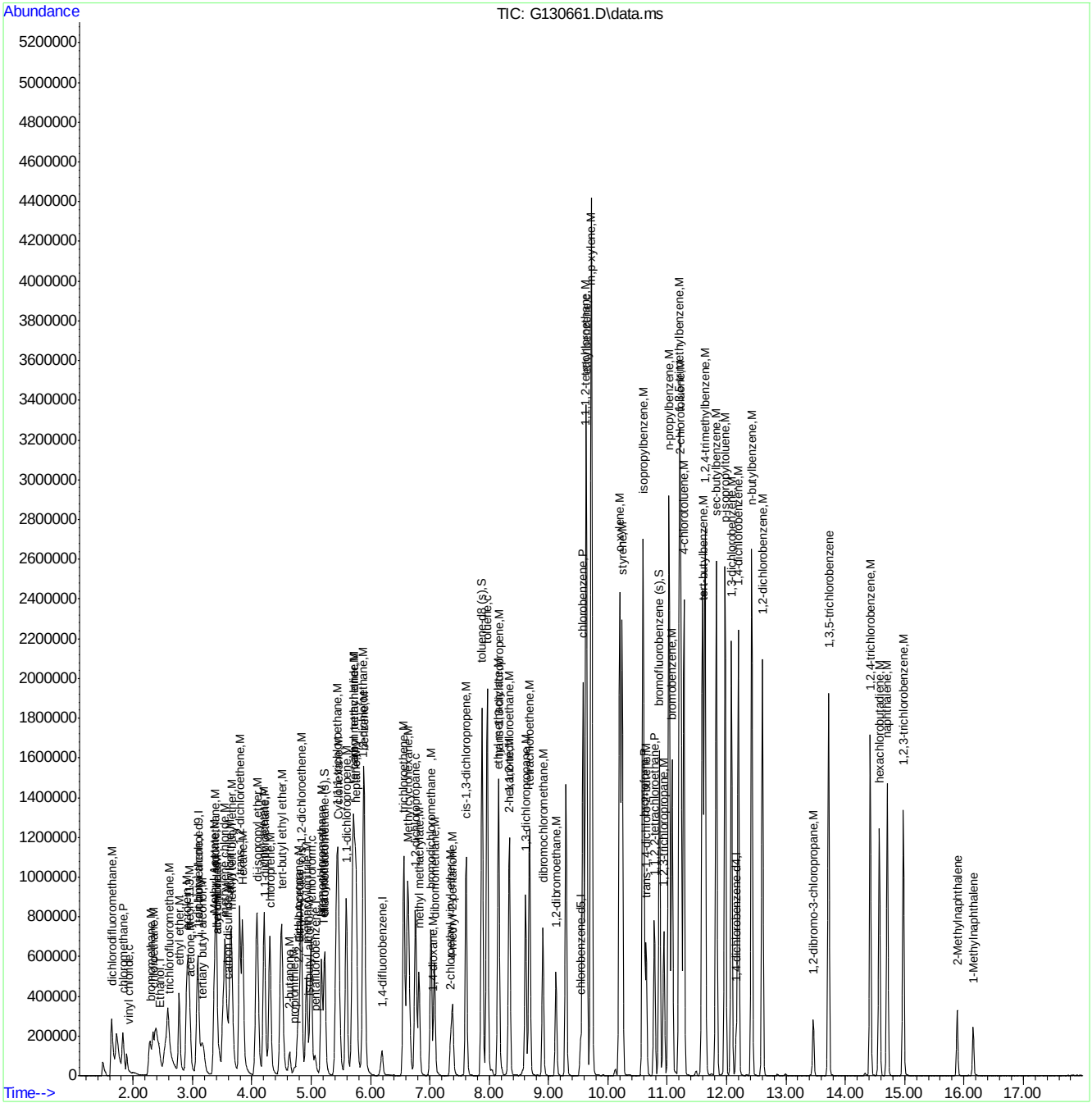
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.082	146	1062122	358.68	ppb		94
94)	p-isopropyltoluene	11.977	119	1812284	388.78	ppb		94
95)	1,4-dichlorobenzene	12.199	146	1042375	356.53	ppb		97
96)	1,2-dichlorobenzene	12.604	146	1022000	369.88	ppb		96
97)	n-butylbenzene	12.424	91	1730180	392.34	ppb		93
98)	1,2-dibromo-3-chloropr...	13.461	75	83771	473.14	ppb	#	76
99)	1,3,5-trichlorobenzene	13.719	180	694434	384.97	ug/L		100
100)	1,2,4-trichlorobenzene	14.422	180	606044	434.81	ppb		100
101)	hexachlorobutadiene	14.574	225	295611	350.19	ppb		99
102)	naphthalene	14.709	128	1315891	475.66	ppb		100
103)	2-Methylnaphthalene	15.888	142	172872	303.99	ug/L		97
104)	1-Methylnaphthalene	16.156	142	126659	328.05	ug/L		95
105)	1,2,3-trichlorobenzene	14.979	180	482091	431.93	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130661.D
Acq On : 20 Aug 2013 3:49 pm
Operator : jaimem
Sample : ic5092-400
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 21 07:45:49 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:45:25 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/28/13 11:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130664.D
Acq On : 20 Aug 2013 5:13 pm
Operator : jaimem
Sample : icv5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 11:37:36 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 08:00:39 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.083	65	26616	500.00	ppb		-0.01
4) pentafluorobenzene	5.070	168	77033	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	120819	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	60367	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	57108	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	56409	52.84	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.68%				
60) toluene-d8 (s)	7.878	98	210739	51.50	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.00%				
82) bromofluorobenzene (s)	10.867	95	83751	51.41	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.82%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.159	59	36787	487.18	ppb		91
3) Ethanol	2.444	45	20838	3878.60	ppb		95
5) dichlorodifluoromethane	1.646	85	60582m	50.54	ppb		
6) chloromethane	1.830	50	39111	59.29	ppb		98
7) vinyl chloride	1.917	62	12879	38.94	ppb		94
8) bromomethane	2.279	96	29687	51.44	ppb		92
9) chloroethane	2.339	64	20501	50.23	ppb		83
10) ethyl ether	2.787	59	38397	52.46	ppb		69
11) acetonitrile	3.417	41	71321	50.67	ppb		94
12) trichlorofluoromethane	2.616	101	80115	47.53	ppb		98
13) freon-113	2.933	101	63056	53.80	ppb		98
14) acrolein	2.904	56	23272	331.84	ppb		99
15) 1,1-dichloroethene	3.093	96	55198	53.71	ppb		95
16) acetone	2.960	58	5594	34.45	ppb	#	79
17) Methyl Acetate	3.373	43	38285	37.80	ppb	#	78
18) methylene chloride	3.534	84	55120	47.77	ppb	#	73
19) methyl tert butyl ether	3.662	73	137523	48.17	ppb		89
20) acrylonitrile	3.635	53	16244	48.59	ppb		89
21) allyl chloride	3.417	41	71321	50.51	ppb		77
22) trans-1,2-dichloroethene	3.800	96	53571	48.90	ppb		89
23) iodomethane	3.387	142	94843	50.00	ppb		87
24) carbon disulfide	3.592	76	167824	51.60	ppb		97
25) propionitrile	4.719	54	5553	47.91	ppb		100
26) vinyl acetate	4.209	43	68971	37.24	ppb		94
27) chloroprene	4.311	53	80097	53.99	ppb		83
28) di-isopropyl ether	4.093	45	145591	46.87	ppb		86
29) methacrylonitrile	4.929	41	30341	49.04	ppb		65
30) 2-butanone	4.638	72	6579	51.74	ppb	#	45
31) Ethyl Acetate	4.807	43	32109	258.93	ug/L	#	99
32) Hexane	3.850	41	50751	51.48	ppb	#	92
33) 1,1-dichloroethane	4.217	63	92040	52.38	ppb		97
34) tert-butyl ethyl ether	4.506	59	149032	49.99	ppb		88
35) isobutyl alcohol	4.955	43	9332	277.04	ppb		95
36) 2,2-dichloropropane	4.792	77	55709	51.14	ppb		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130664.D
Acq On : 20 Aug 2013 5:13 pm
Operator : jaimem
Sample : icv5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 11:37:36 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 08:00:39 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.834	96	55977	47.52	ppb		85
38) bromochloromethane	5.175	128	27618	52.74	ppb	#	80
39) chloroform	5.000	83	95502	50.31	ppb		100
41) Tetrahydrofuran	5.216	42	10989	51.81	ppb		82
42) 1,1,1-trichloroethane	5.433	97	82878	51.85	ppb		90
44) Cyclohexane	5.450	56	86364	49.19	ppb	#	78
45) carbon tetrachloride	5.710	117	80078	52.63	ppb		98
46) 1,1-dichloropropene	5.595	75	76574	49.44	ppb		95
47) benzene	5.894	78	205207	45.41	ppb		98
48) 1,2-dichloroethane	5.874	62	70164	45.59	ppb		99
49) tert-amyl methyl ether	5.723	73	139456	50.17	ppb		90
50) heptane	5.742	43	101673	48.11	ppb		81
51) trichloroethene	6.562	95	57153	44.62	ppb		90
52) 1,2-dichloropropane	6.759	63	50005	46.38	ppb		99
53) dibromomethane	7.076	93	32871	53.32	ppb		91
54) bromodichloromethane	7.018	83	67342	48.94	ppb		99
55) Methylcyclohexane	6.630	83	90764	50.88	ppb	#	80
56) 2-chloroethyl vinyl ether	7.348	63	6137	45.00	ppb		98
57) methyl methacrylate	6.816	69	29052	49.10	ppb	#	74
58) 1,4-dioxane	7.050	88	2210	250.53	ppb		79
59) cis-1,3-dichloropropene	7.610	75	82934	46.99	ppb		96
61) 4-methyl-2-pentanone	7.378	43	39186	47.53	ppb		78
62) toluene	7.965	92	133330	49.47	ppb		100
63) trans-1,3-dichloropropene	8.162	75	76431	50.63	ppb		96
64) 1,1,2-trichloroethane	8.335	83	37319	46.86	ppb		90
65) ethyl methacrylate	8.149	69	56317	51.52	ppb	#	72
67) tetrachloroethene	8.678	166	61025	51.02	ppb		98
68) 1,3-dichloropropane	8.612	76	75881	48.47	ppb		99
69) dibromochloromethane	8.905	129	50786	49.91	ppb		97
70) 1,2-dibromoethane	9.124	107	47925	48.90	ppb		99
71) 2-hexanone	8.342	43	26417	43.67	ppb		94
72) chlorobenzene	9.580	112	154427	45.67	ppb		94
73) 1,1,1,2-tetrachloroethane	9.627	131	54970	49.70	ppb		99
74) ethylbenzene	9.635	91	265049	48.66	ppb		95
75) m,p-xylene	9.719	106	203861	97.06	ppb		89
76) o-xylene	10.198	106	96791	47.47	ppb		88
77) styrene	10.237	104	160971	49.36	ppb		93
78) bromoform	10.611	173	29000	52.65	ppb		97
79) trans-1,4-dichloro-2-b...	10.644	53	15285	48.11	ppb		91
81) isopropylbenzene	10.590	105	260611	48.43	ppb		96
83) bromobenzene	11.080	156	67097	49.63	ppb		88
84) 1,1,2,2-tetrachloroethane	10.781	83	54631	49.30	ppb		93
85) 1,2,3-trichloropropane	10.941	75	43666	48.62	ppb		99
86) n-propylbenzene	11.029	91	303319	47.94	ppb		95
87) 2-chlorotoluene	11.223	91	206946	46.10	ppb		91
88) 4-chlorotoluene	11.277	91	192373	47.92	ppb		89
89) 1,3,5-trimethylbenzene	11.202	105	219390	48.41	ppb		97
90) tert-butylbenzene	11.597	91	146967	47.61	ppb		87
91) 1,2,4-trimethylbenzene	11.633	105	221881	48.53	ppb		97
92) sec-butylbenzene	11.825	105	261519	47.76	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130664.D
Acq On : 20 Aug 2013 5:13 pm
Operator : jaimem
Sample : icv5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 11:37:36 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 08:00:39 2013
Response via : Initial Calibration

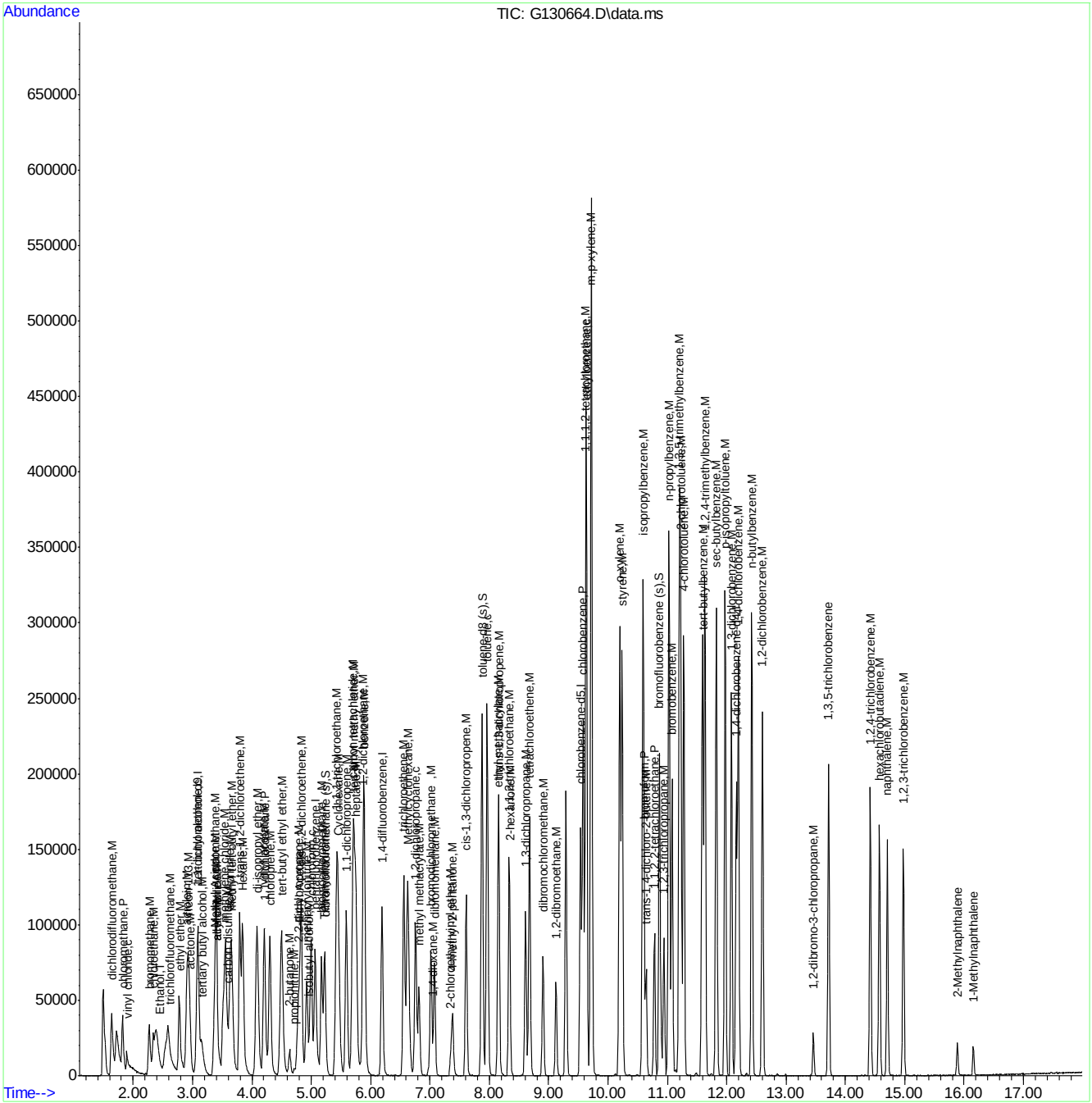
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	122650	45.83	ppb		96
94)	p-isopropyltoluene	11.974	119	222024	52.17	ppb		95
95)	1,4-dichlorobenzene	12.197	146	124427	47.13	ppb		97
96)	1,2-dichlorobenzene	12.602	146	116637	46.52	ppb		97
97)	n-butylbenzene	12.422	91	199550	49.49	ppb		94
98)	1,2-dibromo-3-chloropr...	13.460	75	8092	48.35	ppb	#	72
99)	1,3,5-trichlorobenzene	13.718	180	73560	44.79	ug/L		99
100)	1,2,4-trichlorobenzene	14.420	180	66627	47.48	ppb		99
101)	hexachlorobutadiene	14.573	225	38645	50.96	ppb		99
102)	naphthalene	14.707	128	135196	47.91	ppb		100
103)	2-Methylnaphthalene	15.887	142	12363	26.80	ug/L		96
104)	1-Methylnaphthalene	16.155	142	10027	25.24	ug/L		95
105)	1,2,3-trichlorobenzene	14.977	180	53619	51.68	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130664.D
Acq On : 20 Aug 2013 5:13 pm
Operator : jaimem
Sample : icv5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 11:37:36 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 08:00:39 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
08/28/13 11:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130664.D
Acq On : 20 Aug 2013 5:13 pm
Operator : jaimem
Sample : icv5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 11:37:36 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 08:00:39 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.083	65	26616	500.00	ppb		-0.01
4) pentafluorobenzene	5.070	168	77033	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	120819	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	60367	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	57108	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	56409	52.84	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.68%				
60) toluene-d8 (s)	7.878	98	210739	51.50	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.00%				
82) bromofluorobenzene (s)	10.867	95	83751	51.41	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.82%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.159	59	36787	487.18	ppb		91
3) Ethanol	2.444	45	20838	3878.60	ppb		95
5) dichlorodifluoromethane	1.646	85	60582m	50.54	ppb		
6) chloromethane	1.830	50	39111	59.29	ppb		98
7) vinyl chloride	1.917	62	12879	38.94	ppb		94
8) bromomethane	2.279	96	29687	51.44	ppb		92
9) chloroethane	2.339	64	20501	50.23	ppb		83
10) ethyl ether	2.787	59	38397	52.46	ppb		69
11) acetonitrile	3.417	41	71321	50.67	ppb		94
12) trichlorofluoromethane	2.616	101	80115	47.53	ppb		98
13) freon-113	2.933	101	63056	53.80	ppb		98
14) acrolein	2.904	56	23272	331.84	ppb		99
15) 1,1-dichloroethene	3.093	96	55198	53.71	ppb		95
16) acetone	2.960	58	5594	34.45	ppb	#	79
17) Methyl Acetate	3.373	43	38285	37.80	ppb	#	78
18) methylene chloride	3.534	84	55120	47.77	ppb	#	73
19) methyl tert butyl ether	3.662	73	137523	48.17	ppb		89
20) acrylonitrile	3.635	53	16244	48.59	ppb		89
21) allyl chloride	3.417	41	71321	50.51	ppb		77
22) trans-1,2-dichloroethene	3.800	96	53571	48.90	ppb		89
23) iodomethane	3.387	142	94843	50.00	ppb		87
24) carbon disulfide	3.592	76	167824	51.60	ppb		97
25) propionitrile	4.719	54	5553	47.91	ppb		100
26) vinyl acetate	4.209	43	68971	37.24	ppb		94
27) chloroprene	4.311	53	80097	53.99	ppb		83
28) di-isopropyl ether	4.093	45	145591	46.87	ppb		86
29) methacrylonitrile	4.929	41	30341	49.04	ppb		65
30) 2-butanone	4.638	72	6579	51.74	ppb	#	45
31) Ethyl Acetate	4.807	43	32109	258.93	ug/L	#	99
32) Hexane	3.850	41	50751	51.48	ppb	#	92
33) 1,1-dichloroethane	4.217	63	92040	52.38	ppb		97
34) tert-butyl ethyl ether	4.506	59	149032	49.99	ppb		88
35) isobutyl alcohol	4.955	43	9332	277.04	ppb		95
36) 2,2-dichloropropane	4.792	77	55709	51.14	ppb		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130664.D
Acq On : 20 Aug 2013 5:13 pm
Operator : jaimem
Sample : icv5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 11:37:36 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 08:00:39 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.834	96	55977	47.52	ppb		85
38) bromochloromethane	5.175	128	27618	52.74	ppb	#	80
39) chloroform	5.000	83	95502	50.31	ppb		100
41) Tetrahydrofuran	5.216	42	10989	51.81	ppb		82
42) 1,1,1-trichloroethane	5.433	97	82878	51.85	ppb		90
44) Cyclohexane	5.450	56	86364	49.19	ppb	#	78
45) carbon tetrachloride	5.710	117	80078	52.63	ppb		98
46) 1,1-dichloropropene	5.595	75	76574	49.44	ppb		95
47) benzene	5.894	78	205207	45.41	ppb		98
48) 1,2-dichloroethane	5.874	62	70164	45.59	ppb		99
49) tert-amyl methyl ether	5.723	73	139456	50.17	ppb		90
50) heptane	5.742	43	101673	48.11	ppb		81
51) trichloroethene	6.562	95	57153	44.62	ppb		90
52) 1,2-dichloropropane	6.759	63	50005	46.38	ppb		99
53) dibromomethane	7.076	93	32871	53.32	ppb		91
54) bromodichloromethane	7.018	83	67342	48.94	ppb		99
55) Methylcyclohexane	6.630	83	90764	50.88	ppb	#	80
56) 2-chloroethyl vinyl ether	7.348	63	6137	45.00	ppb		98
57) methyl methacrylate	6.816	69	29052	49.10	ppb	#	74
58) 1,4-dioxane	7.050	88	2210	250.53	ppb		79
59) cis-1,3-dichloropropene	7.610	75	82934	46.99	ppb		96
61) 4-methyl-2-pentanone	7.378	43	39186	47.53	ppb		78
62) toluene	7.965	92	133330	49.47	ppb		100
63) trans-1,3-dichloropropene	8.162	75	76431	50.63	ppb		96
64) 1,1,2-trichloroethane	8.335	83	37319	46.86	ppb		90
65) ethyl methacrylate	8.149	69	56317	51.52	ppb	#	72
67) tetrachloroethene	8.678	166	61025	51.02	ppb		98
68) 1,3-dichloropropane	8.612	76	75881	48.47	ppb		99
69) dibromochloromethane	8.905	129	50786	49.91	ppb		97
70) 1,2-dibromoethane	9.124	107	47925	48.90	ppb		99
71) 2-hexanone	8.342	43	26417	43.67	ppb		94
72) chlorobenzene	9.580	112	154427	45.67	ppb		94
73) 1,1,1,2-tetrachloroethane	9.627	131	54970	49.70	ppb		99
74) ethylbenzene	9.635	91	265049	48.66	ppb		95
75) m,p-xylene	9.719	106	203861	97.06	ppb		89
76) o-xylene	10.198	106	96791	47.47	ppb		88
77) styrene	10.237	104	160971	49.36	ppb		93
78) bromoform	10.611	173	29000	52.65	ppb		97
79) trans-1,4-dichloro-2-b...	10.644	53	15285	48.11	ppb		91
81) isopropylbenzene	10.590	105	260611	48.43	ppb		96
83) bromobenzene	11.080	156	67097	49.63	ppb		88
84) 1,1,2,2-tetrachloroethane	10.781	83	54631	49.30	ppb		93
85) 1,2,3-trichloropropane	10.941	75	43666	48.62	ppb		99
86) n-propylbenzene	11.029	91	303319	47.94	ppb		95
87) 2-chlorotoluene	11.223	91	206946	46.10	ppb		91
88) 4-chlorotoluene	11.277	91	192373	47.92	ppb		89
89) 1,3,5-trimethylbenzene	11.202	105	219390	48.41	ppb		97
90) tert-butylbenzene	11.597	91	146967	47.61	ppb		87
91) 1,2,4-trimethylbenzene	11.633	105	221881	48.53	ppb		97
92) sec-butylbenzene	11.825	105	261519	47.76	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130664.D
Acq On : 20 Aug 2013 5:13 pm
Operator : jaimem
Sample : icv5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 11:37:36 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 08:00:39 2013
Response via : Initial Calibration

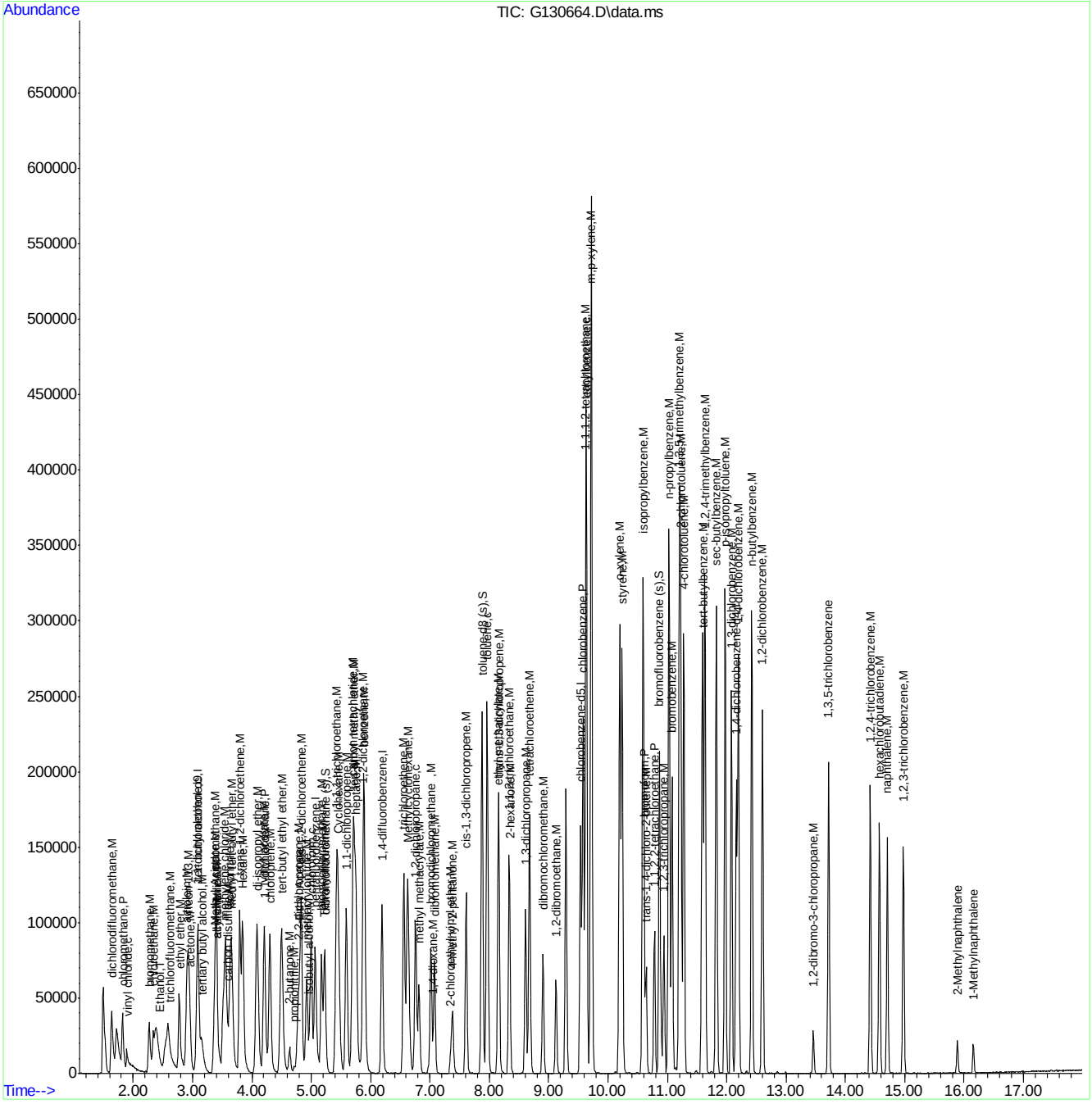
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	122650	45.83	ppb		96
94)	p-isopropyltoluene	11.974	119	222024	52.17	ppb		95
95)	1,4-dichlorobenzene	12.197	146	124427	47.13	ppb		97
96)	1,2-dichlorobenzene	12.602	146	116637	46.52	ppb		97
97)	n-butylbenzene	12.422	91	199550	49.49	ppb		94
98)	1,2-dibromo-3-chloropr...	13.460	75	8092	48.35	ppb	#	72
99)	1,3,5-trichlorobenzene	13.718	180	73560	44.79	ug/L		99
100)	1,2,4-trichlorobenzene	14.420	180	66627	47.48	ppb		99
101)	hexachlorobutadiene	14.573	225	38645	50.96	ppb		99
102)	naphthalene	14.707	128	135196	47.91	ppb		100
103)	2-Methylnaphthalene	15.887	142	12363	26.80	ug/L		96
104)	1-Methylnaphthalene	16.155	142	10027	25.24	ug/L		95
105)	1,2,3-trichlorobenzene	14.977	180	53619	51.68	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130664.D
Acq On : 20 Aug 2013 5:13 pm
Operator : jaimem
Sample : icv5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 11:37:36 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 08:00:39 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 09:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.076	65	17446	500.00	ppb		-0.02
4) pentafluorobenzene	5.071	168	62035m	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	94164	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	62479	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	58750	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	40152	46.70	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.40%				
60) toluene-d8 (s)	7.878	98	166121	52.09	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.18%				
82) bromofluorobenzene (s)	10.867	95	81104	48.39	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.78%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.147	59	26430	533.99	ppb		98
3) Ethanol	2.425	45	22413	6364.52	ppb		99
5) dichlorodifluoromethane	1.650	85	76014m	78.75	ppb		
6) chloromethane	1.835	50	40802	76.81	ppb		97
7) vinyl chloride	1.922	62	15254m	59.69	ppb		
8) bromomethane	2.283	96	31697	68.20	ppb		99
9) chloroethane	2.342	64	23368	71.10	ppb		82
10) ethyl ether	2.782	59	24899	42.24	ppb		77
11) acetonitrile	3.412	41	45451	40.09	ppb		82
12) trichlorofluoromethane	2.608	101	71007	52.31	ppb		88
13) freon-113	2.934	101	46934	49.73	ppb		98
14) acrolein	2.903	56	15090	267.20	ppb		99
15) 1,1-dichloroethene	3.092	96	39097	47.24	ppb		97
16) acetone	2.960	58	5453	44.74	ppb		91
17) Methyl Acetate	3.371	43	22763	27.91	ppb	#	70
18) methylene chloride	3.531	84	38109	41.01	ppb	#	71
19) methyl tert butyl ether	3.662	73	101543	44.16	ppb		87
20) acrylonitrile	3.634	53	10262	38.12	ppb		96
21) allyl chloride	3.412	41	45451	39.97	ppb		66
22) trans-1,2-dichloroethene	3.799	96	38792	43.97	ppb		88
23) iodomethane	3.386	142	72763	47.64	ppb		90
24) carbon disulfide	3.587	76	116259	44.39	ppb		100
25) propionitrile	4.716	54	3616	38.74	ppb		100
26) vinyl acetate	4.208	43	45151	30.27	ppb		91
27) chloroprene	4.309	53	58485	48.96	ppb		81
28) di-isopropyl ether	4.092	45	94669	37.84	ppb		86
29) methacrylonitrile	4.927	41	19936	40.01	ppb		65
30) 2-butanone	4.637	72	6125	59.81	ppb	#	43
31) Ethyl Acetate	4.807	43	21236	212.65	ug/L	#	100
32) Hexane	3.849	41	37022	46.63	ppb	#	99
33) 1,1-dichloroethane	4.217	63	64804	45.79	ppb		96
34) tert-butyl ethyl ether	4.504	59	105498	43.94	ppb		90
35) isobutyl alcohol	4.950	43	5633	207.66	ppb		88
36) 2,2-dichloropropane	4.794	77	47710	54.39	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.834	96	41477	43.72	ppb	#	79
38)	bromochloromethane	5.176	128	21037	49.89	ppb	#	67
39)	chloroform	5.000	83	72710	47.56	ppb		98
41)	Tetrahydrofuran	5.216	42	6772	39.65	ppb		57
42)	1,1,1-trichloroethane	5.434	97	67924	52.77	ppb		89
44)	Cyclohexane	5.449	56	58926	43.07	ppb	#	71
45)	carbon tetrachloride	5.710	117	65807	55.50	ppb		99
46)	1,1-dichloropropene	5.595	75	57613	47.72	ppb		97
47)	benzene	5.894	78	150212	42.65	ppb		97
48)	1,2-dichloroethane	5.875	62	56174	46.83	ppb		99
49)	tert-amyl methyl ether	5.718	73	101153	46.69	ppb		85
50)	heptane	5.741	43	72573	44.06	ppb		73
51)	trichloroethene	6.562	95	44757	44.84	ppb		91
52)	1,2-dichloropropane	6.759	63	35418	42.15	ppb		95
53)	dibromomethane	7.076	93	24859	51.74	ppb		98
54)	bromodichloromethane	7.017	83	53234	49.64	ppb		97
55)	Methylcyclohexane	6.629	83	69997	50.35	ppb	#	78
56)	2-chloroethyl vinyl ether	7.348	63	4054	40.78	ppb		93
57)	methyl methacrylate	6.816	69	21200	45.97	ppb	#	62
58)	1,4-dioxane	7.048	88	1431	208.14	ppb	#	64
59)	cis-1,3-dichloropropene	7.610	75	67173	48.84	ppb		97
61)	4-methyl-2-pentanone	7.378	43	29682	46.20	ppb		76
62)	toluene	7.965	92	113801	54.17	ppb		98
63)	trans-1,3-dichloropropene	8.162	75	76134	64.70	ppb		93
64)	1,1,2-trichloroethane	8.335	83	38575	62.15	ppb		96
65)	ethyl methacrylate	8.149	69	55243	64.84	ppb	#	72
67)	tetrachloroethene	8.679	166	64882	52.41	ppb		99
68)	1,3-dichloropropane	8.612	76	78538	48.47	ppb		97
69)	dibromochloromethane	8.905	129	53320	50.63	ppb		95
70)	1,2-dibromoethane	9.124	107	49769	49.07	ppb		92
71)	2-hexanone	8.342	43	42728	68.24	ppb		92
72)	chlorobenzene	9.580	112	163143	46.61	ppb		95
73)	1,1,1,2-tetrachloroethane	9.627	131	57224	49.99	ppb		98
74)	ethylbenzene	9.635	91	281279	49.89	ppb		96
75)	m,p-xylene	9.719	106	215401	99.09	ppb		89
76)	o-xylene	10.198	106	103079	48.84	ppb		87
77)	styrene	10.237	104	168881	50.04	ppb		91
78)	bromoform	10.611	173	30212	53.00	ppb		100
79)	trans-1,4-dichloro-2-b...	10.644	53	15797	48.04	ppb		84
81)	isopropylbenzene	10.590	105	276495	49.94	ppb		96
83)	bromobenzene	11.080	156	68904	49.54	ppb		88
84)	1,1,2,2-tetrachloroethane	10.781	83	55043	48.28	ppb		96
85)	1,2,3-trichloropropane	10.942	75	44865	48.56	ppb		97
86)	n-propylbenzene	11.029	91	321846	49.45	ppb		93
87)	2-chlorotoluene	11.223	91	219221	47.47	ppb		92
88)	4-chlorotoluene	11.277	91	200663	48.59	ppb		88
89)	1,3,5-trimethylbenzene	11.202	105	231096	49.56	ppb		95
90)	tert-butylbenzene	11.597	91	154097	48.52	ppb		84
91)	1,2,4-trimethylbenzene	11.633	105	231434	49.21	ppb		96
92)	sec-butylbenzene	11.825	105	275394	48.88	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.080	146	127731	46.39	ppb		94
94) p-isopropyltoluene	11.974	119	234659	53.60	ppb		95
95) 1,4-dichlorobenzene	12.197	146	129862	47.81	ppb		97
96) 1,2-dichlorobenzene	12.602	146	119176	46.20	ppb		97
97) n-butylbenzene	12.422	91	211342	50.95	ppb		93
98) 1,2-dibromo-3-chloropr...	13.460	75	7924	46.02	ppb	#	75
99) 1,3,5-trichlorobenzene	13.718	180	76477	45.27	ug/L		99
100) 1,2,4-trichlorobenzene	14.420	180	68192	47.24	ppb		97
101) hexachlorobutadiene	14.573	225	40193	51.52	ppb		98
102) naphthalene	14.707	128	136385	47.04	ppb		100
103) 2-Methylnaphthalene	15.887	142	12208	26.20	ug/L		96
104) 1-Methylnaphthalene	16.155	142	9396	23.72	ug/L		96
105) 1,2,3-trichlorobenzene	14.977	180	53178	49.83	ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

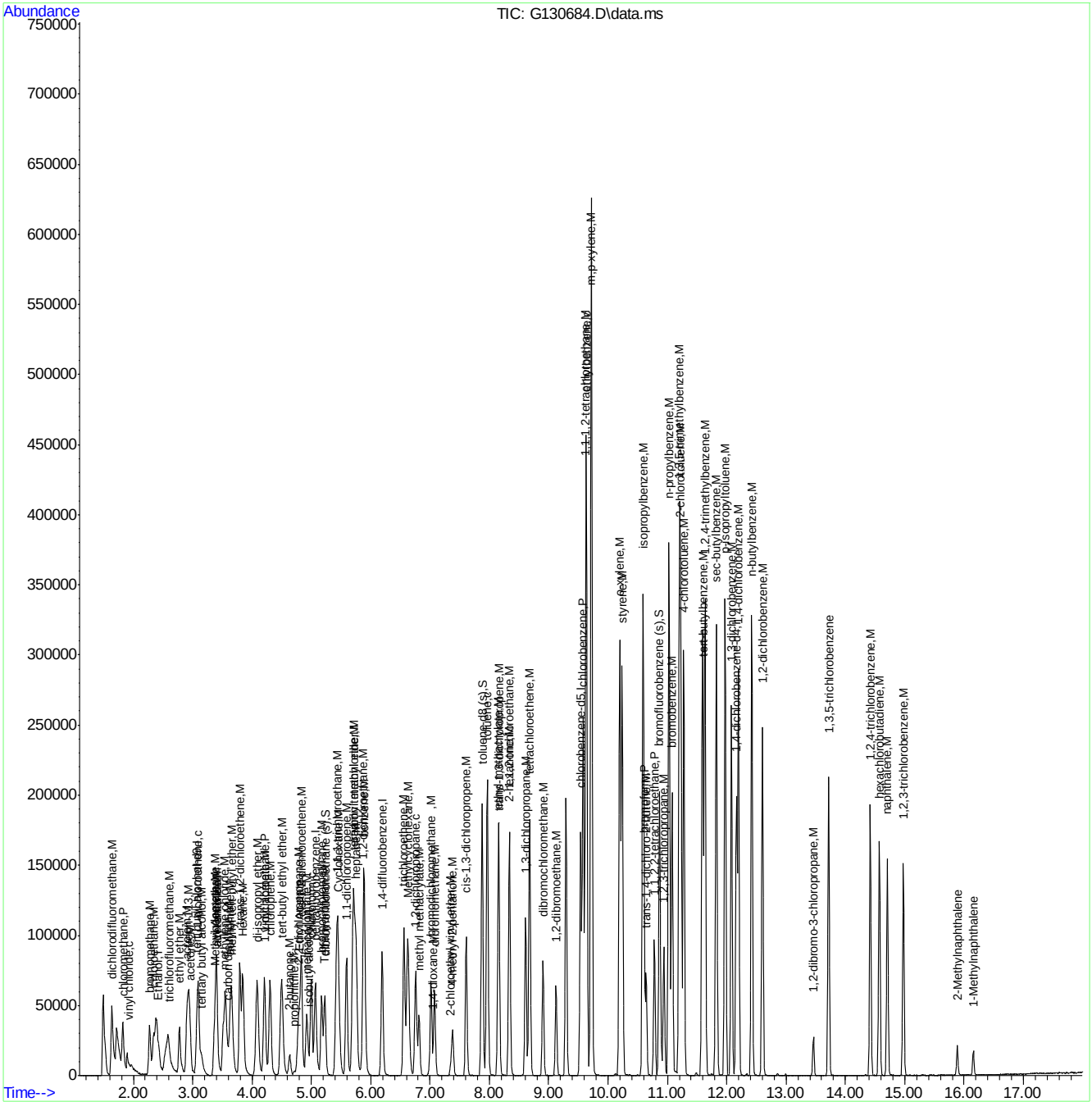
7.6.11

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 09:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.076	65	17446	500.00	ppb		-0.02
4) pentafluorobenzene	5.071	168	62035m	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	94164	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	62479	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	58750	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	40152	46.70	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.40%				
60) toluene-d8 (s)	7.878	98	166121	52.09	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.18%				
82) bromofluorobenzene (s)	10.867	95	81104	48.39	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.78%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.147	59	26430	533.99	ppb		98
3) Ethanol	2.425	45	22413	6364.52	ppb		99
5) dichlorodifluoromethane	1.650	85	76014m	78.75	ppb		
6) chloromethane	1.835	50	40802	76.81	ppb		97
7) vinyl chloride	1.922	62	15254m	59.69	ppb		
8) bromomethane	2.283	96	31697	68.20	ppb		99
9) chloroethane	2.342	64	23368	71.10	ppb		82
10) ethyl ether	2.782	59	24899	42.24	ppb		77
11) acetonitrile	3.412	41	45451	40.09	ppb		82
12) trichlorofluoromethane	2.608	101	71007	52.31	ppb		88
13) freon-113	2.934	101	46934	49.73	ppb		98
14) acrolein	2.903	56	15090	267.20	ppb		99
15) 1,1-dichloroethene	3.092	96	39097	47.24	ppb		97
16) acetone	2.960	58	5453	44.74	ppb		91
17) Methyl Acetate	3.371	43	22763	27.91	ppb	#	70
18) methylene chloride	3.531	84	38109	41.01	ppb	#	71
19) methyl tert butyl ether	3.662	73	101543	44.16	ppb		87
20) acrylonitrile	3.634	53	10262	38.12	ppb		96
21) allyl chloride	3.412	41	45451	39.97	ppb		66
22) trans-1,2-dichloroethene	3.799	96	38792	43.97	ppb		88
23) iodomethane	3.386	142	72763	47.64	ppb		90
24) carbon disulfide	3.587	76	116259	44.39	ppb		100
25) propionitrile	4.716	54	3616	38.74	ppb		100
26) vinyl acetate	4.208	43	45151	30.27	ppb		91
27) chloroprene	4.309	53	58485	48.96	ppb		81
28) di-isopropyl ether	4.092	45	94669	37.84	ppb		86
29) methacrylonitrile	4.927	41	19936	40.01	ppb		65
30) 2-butanone	4.637	72	6125	59.81	ppb	#	43
31) Ethyl Acetate	4.807	43	21236	212.65	ug/L	#	100
32) Hexane	3.849	41	37022	46.63	ppb	#	99
33) 1,1-dichloroethane	4.217	63	64804	45.79	ppb		96
34) tert-butyl ethyl ether	4.504	59	105498	43.94	ppb		90
35) isobutyl alcohol	4.950	43	5633	207.66	ppb		88
36) 2,2-dichloropropane	4.794	77	47710	54.39	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.834	96	41477	43.72	ppb	#	79
38)	bromochloromethane	5.176	128	21037	49.89	ppb	#	67
39)	chloroform	5.000	83	72710	47.56	ppb		98
41)	Tetrahydrofuran	5.216	42	6772	39.65	ppb		57
42)	1,1,1-trichloroethane	5.434	97	67924	52.77	ppb		89
44)	Cyclohexane	5.449	56	58926	43.07	ppb	#	71
45)	carbon tetrachloride	5.710	117	65807	55.50	ppb		99
46)	1,1-dichloropropene	5.595	75	57613	47.72	ppb		97
47)	benzene	5.894	78	150212	42.65	ppb		97
48)	1,2-dichloroethane	5.875	62	56174	46.83	ppb		99
49)	tert-amyl methyl ether	5.718	73	101153	46.69	ppb		85
50)	heptane	5.741	43	72573	44.06	ppb		73
51)	trichloroethene	6.562	95	44757	44.84	ppb		91
52)	1,2-dichloropropane	6.759	63	35418	42.15	ppb		95
53)	dibromomethane	7.076	93	24859	51.74	ppb		98
54)	bromodichloromethane	7.017	83	53234	49.64	ppb		97
55)	Methylcyclohexane	6.629	83	69997	50.35	ppb	#	78
56)	2-chloroethyl vinyl ether	7.348	63	4054	40.78	ppb		93
57)	methyl methacrylate	6.816	69	21200	45.97	ppb	#	62
58)	1,4-dioxane	7.048	88	1431	208.14	ppb	#	64
59)	cis-1,3-dichloropropene	7.610	75	67173	48.84	ppb		97
61)	4-methyl-2-pentanone	7.378	43	29682	46.20	ppb		76
62)	toluene	7.965	92	113801	54.17	ppb		98
63)	trans-1,3-dichloropropene	8.162	75	76134	64.70	ppb		93
64)	1,1,2-trichloroethane	8.335	83	38575	62.15	ppb		96
65)	ethyl methacrylate	8.149	69	55243	64.84	ppb	#	72
67)	tetrachloroethene	8.679	166	64882	52.41	ppb		99
68)	1,3-dichloropropane	8.612	76	78538	48.47	ppb		97
69)	dibromochloromethane	8.905	129	53320	50.63	ppb		95
70)	1,2-dibromoethane	9.124	107	49769	49.07	ppb		92
71)	2-hexanone	8.342	43	42728	68.24	ppb		92
72)	chlorobenzene	9.580	112	163143	46.61	ppb		95
73)	1,1,1,2-tetrachloroethane	9.627	131	57224	49.99	ppb		98
74)	ethylbenzene	9.635	91	281279	49.89	ppb		96
75)	m,p-xylene	9.719	106	215401	99.09	ppb		89
76)	o-xylene	10.198	106	103079	48.84	ppb		87
77)	styrene	10.237	104	168881	50.04	ppb		91
78)	bromoform	10.611	173	30212	53.00	ppb		100
79)	trans-1,4-dichloro-2-b...	10.644	53	15797	48.04	ppb		84
81)	isopropylbenzene	10.590	105	276495	49.94	ppb		96
83)	bromobenzene	11.080	156	68904	49.54	ppb		88
84)	1,1,2,2-tetrachloroethane	10.781	83	55043	48.28	ppb		96
85)	1,2,3-trichloropropane	10.942	75	44865	48.56	ppb		97
86)	n-propylbenzene	11.029	91	321846	49.45	ppb		93
87)	2-chlorotoluene	11.223	91	219221	47.47	ppb		92
88)	4-chlorotoluene	11.277	91	200663	48.59	ppb		88
89)	1,3,5-trimethylbenzene	11.202	105	231096	49.56	ppb		95
90)	tert-butylbenzene	11.597	91	154097	48.52	ppb		84
91)	1,2,4-trimethylbenzene	11.633	105	231434	49.21	ppb		96
92)	sec-butylbenzene	11.825	105	275394	48.88	ppb		97

ACCUTEST LABORATORIES MC23593

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

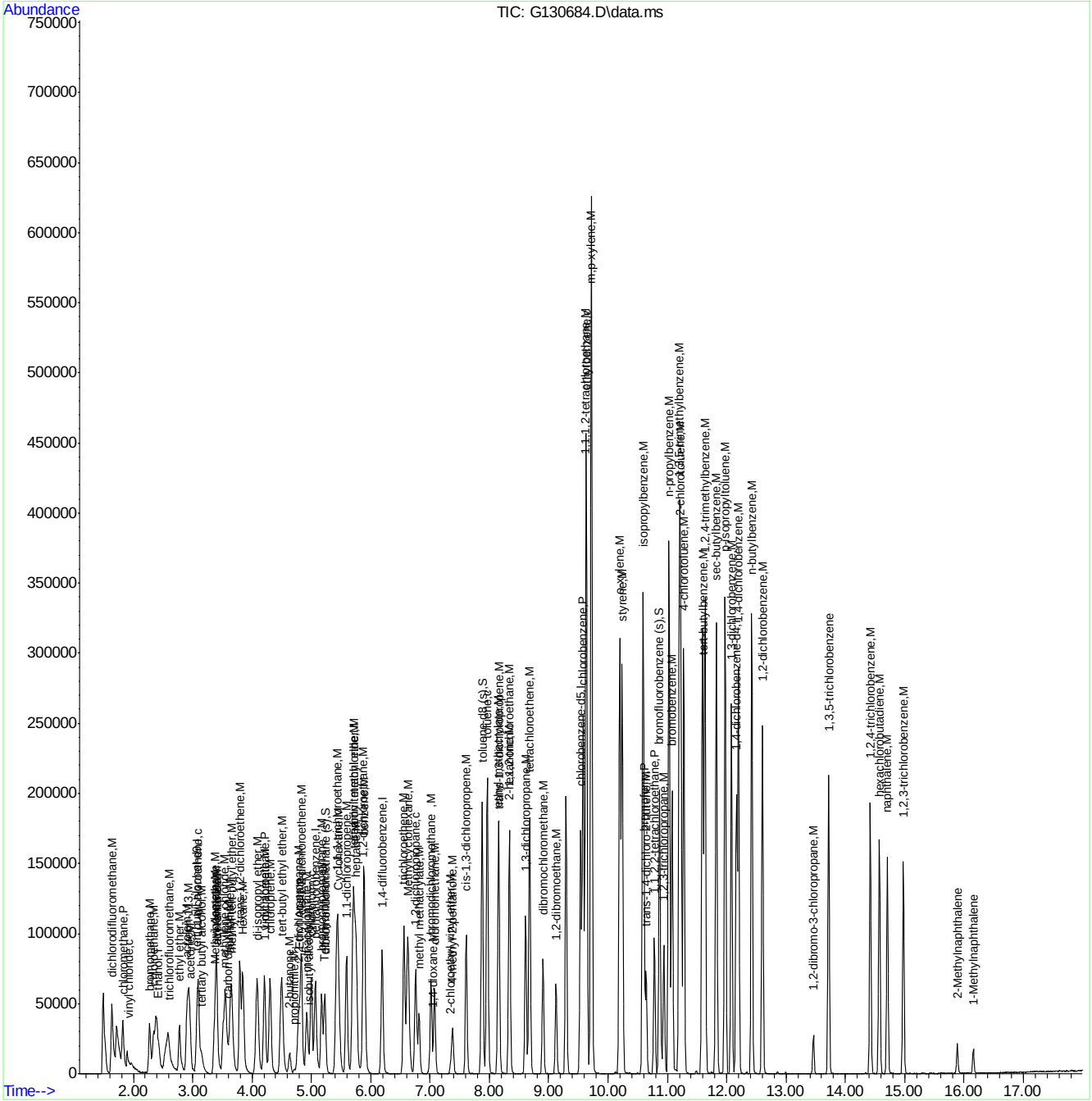
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	127731	46.39	ppb		94
94)	p-isopropyltoluene	11.974	119	234659	53.60	ppb		95
95)	1,4-dichlorobenzene	12.197	146	129862	47.81	ppb		97
96)	1,2-dichlorobenzene	12.602	146	119176	46.20	ppb		97
97)	n-butylbenzene	12.422	91	211342	50.95	ppb		93
98)	1,2-dibromo-3-chloropr...	13.460	75	7924	46.02	ppb	#	75
99)	1,3,5-trichlorobenzene	13.718	180	76477	45.27	ug/L		99
100)	1,2,4-trichlorobenzene	14.420	180	68192	47.24	ppb		97
101)	hexachlorobutadiene	14.573	225	40193	51.52	ppb		98
102)	naphthalene	14.707	128	136385	47.04	ppb		100
103)	2-Methylnaphthalene	15.887	142	12208	26.20	ug/L		96
104)	1-Methylnaphthalene	16.155	142	9396	23.72	ug/L		96
105)	1,2,3-trichlorobenzene	14.977	180	53178	49.83	ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70800.D
Acq On : 5 Aug 2013 2:01 pm
Operator : krystend
Sample : IC2318-0.5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 16:54:16 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:53:04 2013
Response via : Initial Calibration

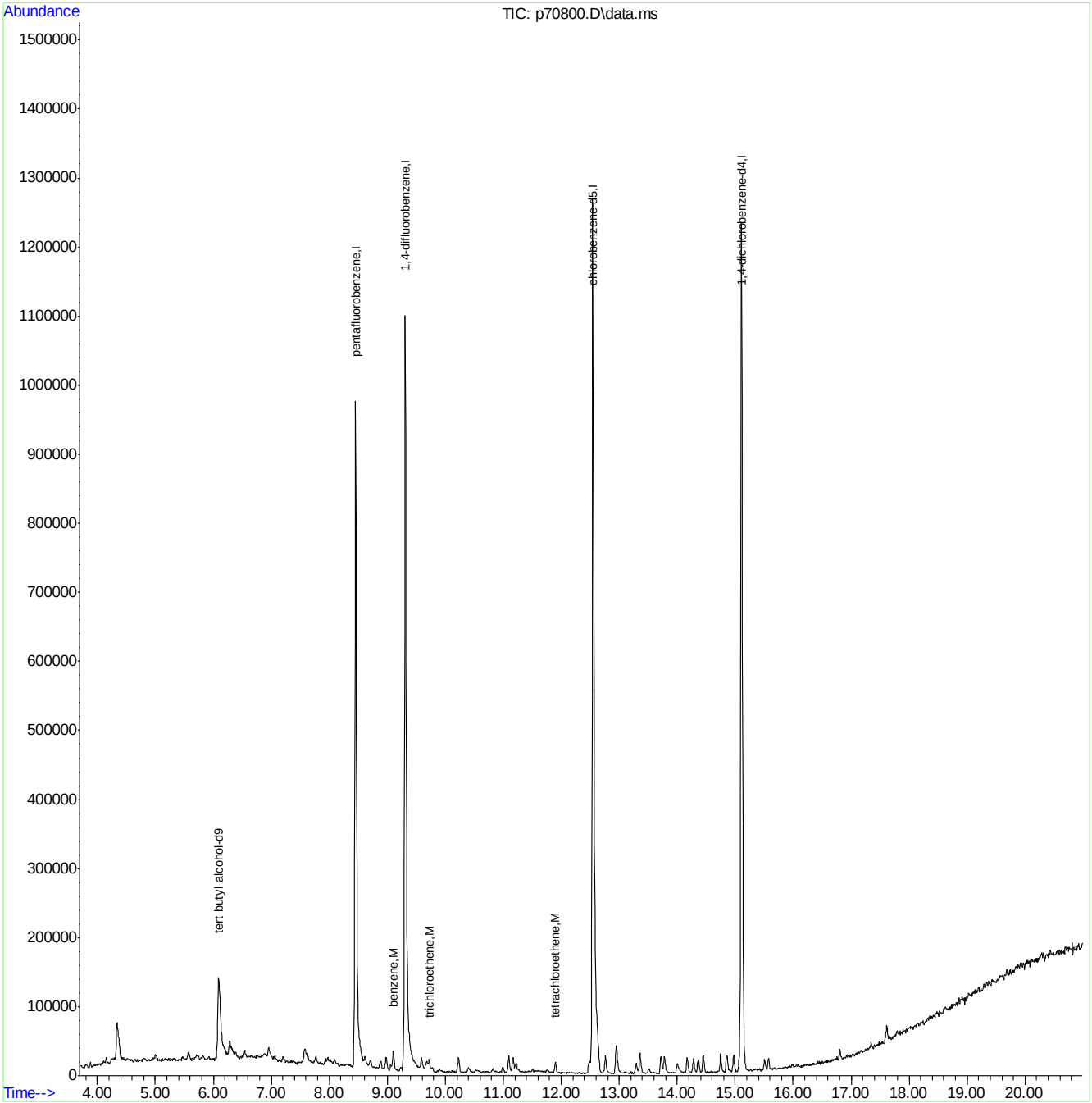
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.092	65	233662	500.00	ug/L	0.01
4) pentafluorobenzene	8.456	168	691029	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.312	114	948654	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	553994	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.112	152	368148	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	0.000	113	0d	0.00	ug/L	
Spiked Amount 50.000	Range 35 - 65		Recovery =	0.00%#		
60) toluene-d8 (s)	0.000	98	0d	0.00	ug/L	
Spiked Amount 50.000	Range 35 - 65		Recovery =	0.00%#		
82) bromofluorobenzene (s)	0.000	95	0d	0.00	ug/L	
Spiked Amount 50.000	Range 35 - 65		Recovery =	0.00%#		
Target Compounds						Qvalue
47) benzene	9.103	78	26513	0.93	ug/L	99
51) trichloroethene	9.729	95	5931	0.71	ug/L	84
67) tetrachloroethene	11.899	166	4757	0.67	ug/L	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70800.D
Acq On : 5 Aug 2013 2:01 pm
Operator : krystend
Sample : IC2318-0.5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 16:54:16 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:53:04 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/06/13 16:32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70801.D
Acq On : 5 Aug 2013 2:29 pm
Operator : krystend
Sample : IC2318-2
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 16:56:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:54:31 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.078	65	238728	500.00	ug/L		0.00
4) pentafluorobenzene	8.456	168	669020	50.00	ug/L		0.00
43) 1,4-difluorobenzene	9.312	114	913259	50.00	ug/L		0.00
66) chlorobenzene-d5	12.545	82	521104	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.112	152	357788	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.086	113	12205	1.41	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 2.82%#				
60) toluene-d8 (s)	11.097	98	50122	1.54	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 3.08%#				
82) bromofluorobenzene (s)	13.778	95	20881	1.86	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 3.72%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.173	59	12030	21.15	ug/L	#	55
3) Ethanol	4.994	45	10641	138.18	ug/L		96
5) dichlorodifluoromethane	4.152	85	11525	1.97	ug/L		80
6) chloromethane	4.111	50	12712	2.41	ug/L		83
7) vinyl chloride	4.334	62	19525	2.56	ug/L	#	33
8) bromomethane	4.805	96	4993	2.09	ug/L		95
9) chloroethane	4.960	64	7237	2.39	ug/L		87
10) ethyl ether	5.816	59	7664	1.86	ug/L		88
11) acetonitrile	5.472	41	9746	3.48	ug/L		99
12) trichlorofluoromethane	5.566	101	26620	2.09	ug/L		97
13) freon-113	6.314	101	12022	2.15	ug/L		92
14) acrolein	5.580	56	6325	16.98	ug/L		91
15) 1,1-dichloroethene	6.132	96	10715	2.42	ug/L	#	80
16) acetone	5.708	58	3768	4.47	ug/L		92
17) Methyl Acetate	6.328	43	14583	2.32	ug/L		98
18) methylene chloride	6.280	84	16481	3.04	ug/L		86
19) methyl tert butyl ether	7.055	73	22973	2.04	ug/L		94
20) acrylonitrile	6.193	53	3926	2.33	ug/L		100
21) allyl chloride	6.375	41	14184	1.81	ug/L		91
22) trans-1,2-dichloroethene	6.954	96	12932	2.10	ug/L		97
23) iodomethane	6.186	142	5136	1.28	ug/L		97
24) carbon disulfide	6.536	76	25445	2.02	ug/L		97
25) propionitrile	7.237	54	1323m	1.46	ug/L		
26) vinyl acetate	7.318	43	17911	1.94	ug/L		93
27) chloroprene	7.560	53	23525	1.79	ug/L		99
28) di-isopropyl ether	7.614	45	48884	1.95	ug/L		97
29) methacrylonitrile	7.742	41	7974	1.79	ug/L		94
30) 2-butanone	7.634	72	971m	1.05	ug/L		
31) Hexane	7.580	41	30783	2.18	ug/L		93
32) 1,1-dichloroethane	7.203	63	26020	2.09	ug/L		93
33) tert-butyl ethyl ether	8.005	59	15905	2.02	ug/L		98
34) isobutyl alcohol	7.614	43	43766	9.16	ug/L		81
35) 2,2-dichloropropane	8.052	77	5503	0.81	ug/L		91
36) cis-1,2-dichloroethene	7.769	96	14802	2.12	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70801.D
Acq On : 5 Aug 2013 2:29 pm
Operator : krystend
Sample : IC2318-2
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 16:56:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:54:31 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	7.938	128	5342	2.01	ug/L		93
39) chloroform	7.971	83	26444	1.92	ug/L		97
41) Tetrahydrofuran	8.308	42	4996	2.44	ug/L		82
42) 1,1,1-trichloroethane	8.705	97	22777	1.79	ug/L		95
44) Cyclohexane	8.982	56	27106	2.00	ug/L		98
45) carbon tetrachloride	9.056	117	17371	1.66	ug/L		99
46) 1,1-dichloropropene	8.887	75	21519	1.96	ug/L		95
47) benzene	9.103	78	63524	1.62	ug/L		97
48) 1,2-dichloroethane	8.618	62	24543	1.99	ug/L		97
49) tert-amyl methyl ether	9.224	73	14255	2.52	ug/L		91
50) heptane	9.588	43	26809	2.10	ug/L		94
51) trichloroethene	9.723	95	15342	1.58	ug/L		94
52) 1,2-dichloropropane	9.689	63	16207	2.20	ug/L		93
53) dibromomethane	9.662	93	7507	1.89	ug/L		87
54) bromodichloromethane	9.777	83	16697	1.60	ug/L		99
55) Methylcyclohexane	10.228	83	24898	1.97	ug/L		89
57) methyl methacrylate	9.891	69	7592	1.77	ug/L		95
59) cis-1,3-dichloropropene	10.396	75	18175	1.53	ug/L		95
61) 4-methyl-2-pentanone	10.524	43	12456	1.73	ug/L	#	90
62) toluene	11.164	92	31803	1.80	ug/L		96
63) trans-1,3-dichloropropene	10.821	75	14148	1.45	ug/L		97
64) 1,1,2-trichloroethane	10.989	83	9316	1.74	ug/L		88
65) ethyl methacrylate	11.218	69	11426	1.40	ug/L	#	19
67) tetrachloroethene	11.899	166	14139	1.81	ug/L		99
68) 1,3-dichloropropane	11.218	76	19989	1.99	ug/L		92
69) dibromochloromethane	11.501	129	8364	1.37	ug/L		76
70) 1,2-dibromoethane	11.750	107	10795	1.85	ug/L		97
71) 2-hexanone	11.400	43	11384	2.33	ug/L		69
72) chlorobenzene	12.579	112	36599	2.09	ug/L		94
73) 1,1,1,2-tetrachloroethane	12.498	131	11012	1.77	ug/L		88
74) ethylbenzene	12.761	91	70204	2.11	ug/L		100
75) m,p-xylene	12.943	106	50430	4.06	ug/L		96
76) o-xylene	13.354	106	23578	1.90	ug/L		96
77) styrene	13.286	104	31912	1.67	ug/L		94
78) bromoform	13.098	173	4609	1.35	ug/L		84
79) trans-1,4-dichloro-2-b...	13.515	53	1261m	0.99	ug/L		
81) isopropylbenzene	13.717	105	68635	2.12	ug/L		98
83) bromobenzene	14.007	156	13139	1.93	ug/L		90
84) 1,1,2,2-tetrachloroethane	13.360	83	13354	1.95	ug/L		96
85) 1,2,3-trichloropropane	13.509	75	13092	1.86	ug/L		95
86) n-propylbenzene	14.169	91	75902	2.06	ug/L		98
87) 2-chlorotoluene	14.276	91	46787	2.05	ug/L		100
88) 4-chlorotoluene	14.357	91	47200	2.04	ug/L		100
89) 1,3,5-trimethylbenzene	14.445	105	53145	1.99	ug/L		98
90) tert-butylbenzene	14.748	91	37461	2.16	ug/L		89
91) 1,2,4-trimethylbenzene	14.856	105	49542	1.91	ug/L		94
92) sec-butylbenzene	14.970	105	65532	1.91	ug/L		95
93) 1,3-dichlorobenzene	15.071	146	24121	1.91	ug/L		95
94) p-isopropyltoluene	15.145	119	45840	1.91	ug/L		98
95) 1,4-dichlorobenzene	15.139	146	24731	2.06	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70801.D
Acq On : 5 Aug 2013 2:29 pm
Operator : krystend
Sample : IC2318-2
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 16:56:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:54:31 2013
Response via : Initial Calibration

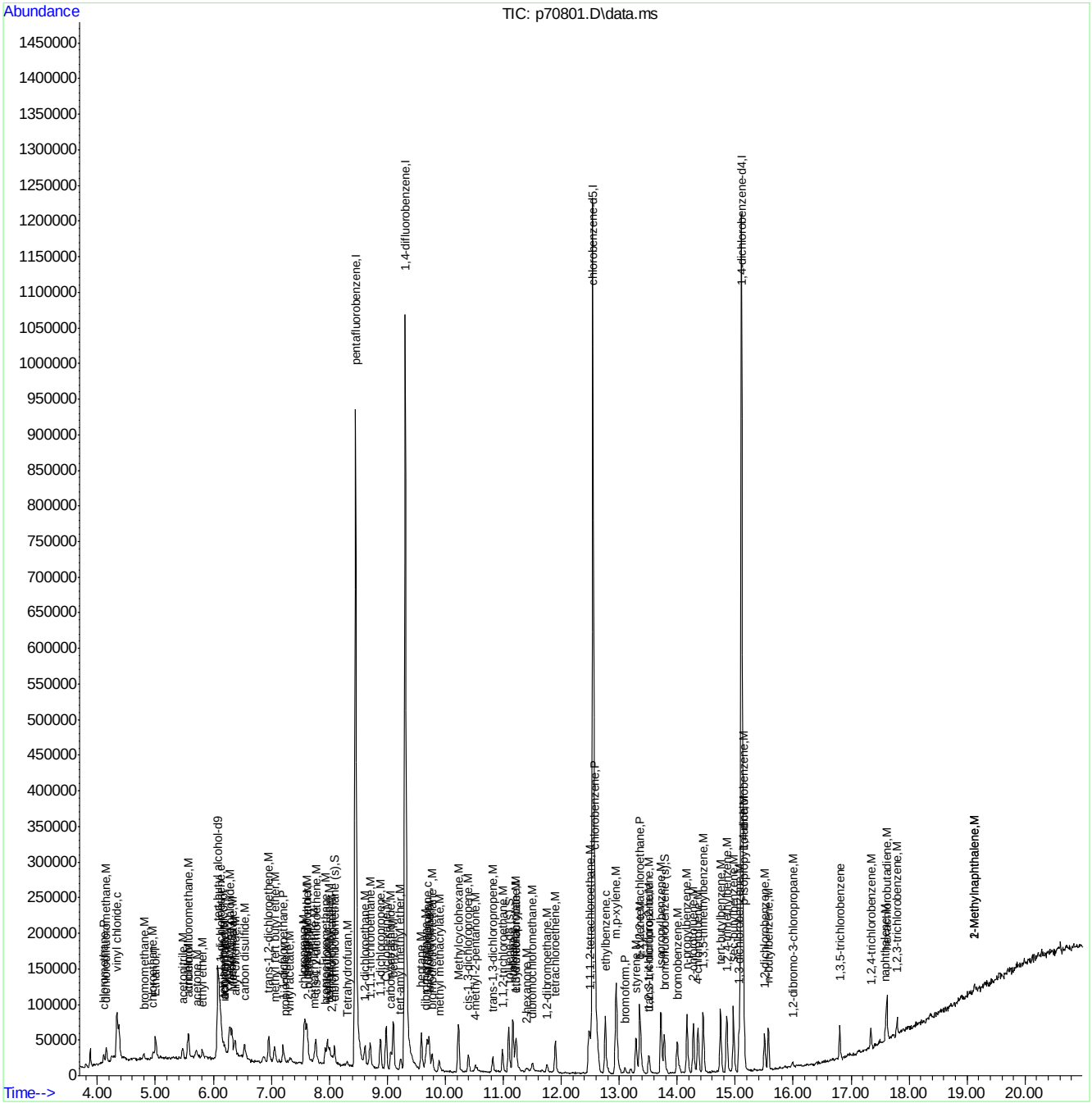
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2-dichlorobenzene	15.502	146	22739	1.93	ug/L	98
97) n-butylbenzene	15.570	91	38746	1.53	ug/L	92
98) 1,2-dibromo-3-chloropr...	15.994	75	2209m	1.76	ug/L	
99) 1,3,5-trichlorobenzene	16.803	180	15301	1.72	ug/L	100
100) 1,2,4-trichlorobenzene	17.341	180	8537	1.06	ug/L	95
101) hexachlorobutadiene	17.618	225	12920	2.16	ug/L	99
102) naphthalene	17.591	128	13594	1.07	ug/L	100
103) 1,2,3-trichlorobenzene	17.793	180	7578	1.09	ug/L	97
104) 2-Methylnaphthalene	19.127	142	4300	1.07	ug/L	96
105) 1-Methylnaphthalene	19.127	142	4300	1.21	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70801.D
Acq On : 5 Aug 2013 2:29 pm
Operator : krystend
Sample : IC2318-2
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 16:56:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:54:31 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/06/13 16:32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70802.D
Acq On : 5 Aug 2013 2:57 pm
Operator : krystend
Sample : IC2318-5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 08:53:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:56:28 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.065	65	179401	500.00	ug/L	-0.01
4) pentafluorobenzene	8.456	168	672764	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.312	114	911074	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	533139	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.112	152	391373	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.092	113	31134	3.80	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 7.60%#			
60) toluene-d8 (s)	11.090	98	117209	3.68	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 7.36%#			
82) bromofluorobenzene (s)	13.771	95	46780	3.52	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 7.04%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.152	59	19989	45.46	ug/L #	55
3) Ethanol	4.973	45	33495	684.61	ug/L	94
5) dichlorodifluoromethane	4.152	85	27219	4.66	ug/L	98
6) chloromethane	4.111	50	29588	5.06	ug/L	89
7) vinyl chloride	4.334	62	42521	4.86	ug/L	63
8) bromomethane	4.798	96	9103	3.71	ug/L	98
9) chloroethane	4.953	64	17140	5.13	ug/L	98
10) ethyl ether	5.816	59	19475	4.87	ug/L	96
11) acetonitrile	5.472	41	23212	6.01	ug/L	98
12) trichlorofluoromethane	5.566	101	63857	4.87	ug/L	99
13) freon-113	6.314	101	31552	5.40	ug/L	95
14) acrolein	5.573	56	9641	19.08	ug/L	91
15) 1,1-dichloroethene	6.132	96	21376	4.34	ug/L	97
16) acetone	5.701	58	5081	3.71	ug/L	93
17) Methyl Acetate	6.321	43	34762	5.09	ug/L	99
18) methylene chloride	6.280	84	33519	4.88	ug/L	94
19) methyl tert butyl ether	7.055	73	44545	3.89	ug/L	99
20) acrylonitrile	6.199	53	10028	5.46	ug/L	88
21) allyl chloride	6.375	41	38828	5.17	ug/L	98
22) trans-1,2-dichloroethene	6.954	96	29939	4.72	ug/L	97
23) iodomethane	6.179	142	8582	2.59	ug/L	95
24) carbon disulfide	6.536	76	66127	5.19	ug/L	98
25) propionitrile	7.230	54	3194	4.05	ug/L	100
26) vinyl acetate	7.318	43	36475	3.99	ug/L	98
27) chloroprene	7.567	53	58509	4.67	ug/L	95
28) di-isopropyl ether	7.614	45	118352	4.76	ug/L	95
29) methacrylonitrile	7.735	41	16051	3.78	ug/L	90
30) 2-butanone	7.628	72	3066	4.32	ug/L #	80
31) Hexane	7.580	41	69309	4.67	ug/L	96
32) 1,1-dichloroethane	7.203	63	60682	4.74	ug/L	97
33) tert-butyl ethyl ether	8.005	59	33265	4.18	ug/L	90
34) isobutyl alcohol	7.607	43	108502	23.58	ug/L	77
35) 2,2-dichloropropane	8.052	77	15847	3.31	ug/L	97
36) cis-1,2-dichloroethene	7.769	96	32382	4.48	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70802.D
Acq On : 5 Aug 2013 2:57 pm
Operator : krystend
Sample : IC2318-5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 08:53:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:56:28 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.295	43	4355	8.82	ug/L	#	62
38) bromochloromethane	7.931	128	11374	4.24	ug/L		95
39) chloroform	7.964	83	66902	4.93	ug/L		93
41) Tetrahydrofuran	8.295	42	9977	4.36	ug/L		98
42) 1,1,1-trichloroethane	8.705	97	55821	4.61	ug/L		94
44) Cyclohexane	8.982	56	64854	4.79	ug/L		96
45) carbon tetrachloride	9.062	117	42854	4.49	ug/L		96
46) 1,1-dichloropropene	8.881	75	51532	4.75	ug/L		96
47) benzene	9.103	78	148406	4.05	ug/L		99
48) 1,2-dichloroethane	8.611	62	58765	4.78	ug/L		96
49) tert-amyl methyl ether	9.231	73	26770	4.20	ug/L		98
50) heptane	9.588	43	59947	4.59	ug/L		96
51) trichloroethene	9.723	95	41213	4.57	ug/L		94
52) 1,2-dichloropropane	9.689	63	34767	4.51	ug/L		99
53) dibromomethane	9.662	93	17778	4.61	ug/L		99
54) bromodichloromethane	9.777	83	42021	4.49	ug/L		100
55) Methylcyclohexane	10.228	83	58559	4.68	ug/L		98
56) 2-chloroethyl vinyl ether	10.235	63	1048m	6.24	ug/L		
57) methyl methacrylate	9.884	69	14263	3.54	ug/L		99
58) 1,4-dioxane	9.891	88	889m	14.33	ug/L		
59) cis-1,3-dichloropropene	10.396	75	44093	4.22	ug/L		92
61) 4-methyl-2-pentanone	10.504	43	27108	4.05	ug/L	#	88
62) toluene	11.164	92	81290	4.86	ug/L		96
63) trans-1,3-dichloropropene	10.821	75	34719	4.13	ug/L		100
64) 1,1,2-trichloroethane	10.982	83	22791	4.56	ug/L		93
65) ethyl methacrylate	11.211	69	29747	4.30	ug/L	#	7
67) tetrachloroethene	11.898	166	34504	4.46	ug/L		99
68) 1,3-dichloropropane	11.218	76	48091	4.69	ug/L		96
69) dibromochloromethane	11.501	129	21272	4.05	ug/L		98
70) 1,2-dibromoethane	11.750	107	26618	4.64	ug/L		91
71) 2-hexanone	11.380	43	20900	3.86	ug/L		82
72) chlorobenzene	12.579	112	90620	4.95	ug/L		97
73) 1,1,1,2-tetrachloroethane	12.498	131	26880	4.48	ug/L		93
74) ethylbenzene	12.761	91	168088	4.81	ug/L		99
75) m,p-xylene	12.943	106	122667	9.58	ug/L		98
76) o-xylene	13.354	106	61768	4.98	ug/L		96
77) styrene	13.286	104	83547	4.66	ug/L		98
78) bromoform	13.098	173	11112	3.80	ug/L		91
79) trans-1,4-dichloro-2-b...	13.354	53	3519	3.61	ug/L	#	1
81) isopropylbenzene	13.717	105	166534	4.57	ug/L		97
83) bromobenzene	14.000	156	34548	4.73	ug/L		93
84) 1,1,2,2-tetrachloroethane	13.360	83	31805	4.30	ug/L		92
85) 1,2,3-trichloropropane	13.508	75	30442	4.10	ug/L		98
86) n-propylbenzene	14.169	91	189281	4.63	ug/L		99
87) 2-chlorotoluene	14.276	91	122404	4.84	ug/L		98
88) 4-chlorotoluene	14.357	91	117687	4.60	ug/L		91
89) 1,3,5-trimethylbenzene	14.445	105	139873	4.80	ug/L		95
90) tert-butylbenzene	14.748	91	93033	4.72	ug/L		99
91) 1,2,4-trimethylbenzene	14.856	105	132160	4.77	ug/L		98
92) sec-butylbenzene	14.970	105	175628	4.79	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70802.D
Acq On : 5 Aug 2013 2:57 pm
Operator : krystend
Sample : IC2318-5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 08:53:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:56:28 2013
Response via : Initial Calibration

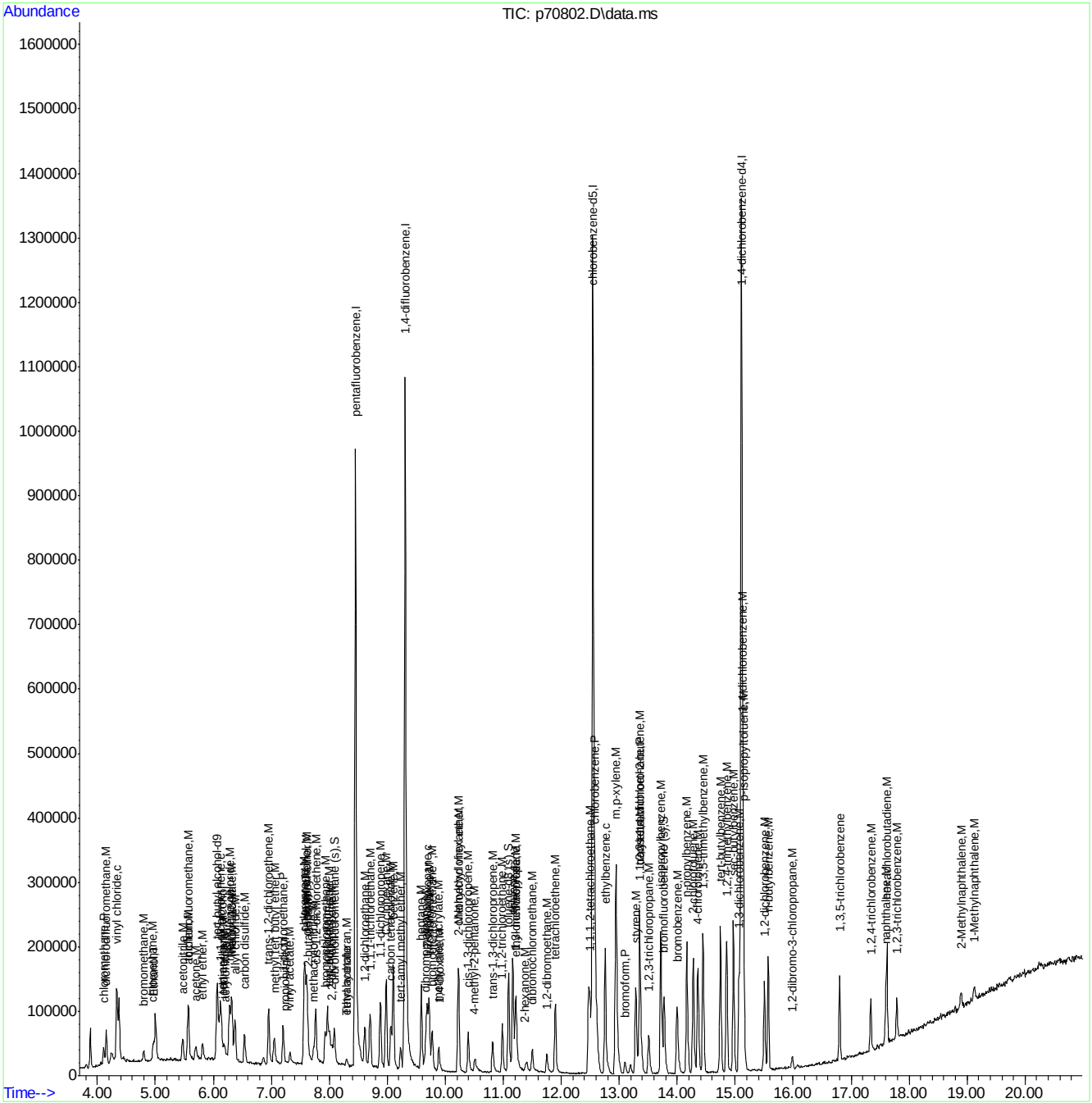
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.071	146	64590	4.78	ug/L	98
94) p-isopropyltoluene	15.145	119	119943	4.68	ug/L	99
95) 1,4-dichlorobenzene	15.132	146	64869	4.87	ug/L	95
96) 1,2-dichlorobenzene	15.502	146	58589	4.63	ug/L	99
97) n-butylbenzene	15.570	91	111031	4.54	ug/L	99
98) 1,2-dibromo-3-chloropr...	15.987	75	4681	3.62	ug/L	85
99) 1,3,5-trichlorobenzene	16.803	180	42585	4.70	ug/L	97
100) 1,2,4-trichlorobenzene	17.341	180	27958	4.15	ug/L	92
101) hexachlorobutadiene	17.618	225	32688	4.80	ug/L	93
102) naphthalene	17.597	128	30969	2.91	ug/L	100
103) 1,2,3-trichlorobenzene	17.786	180	22151	3.76	ug/L	94
104) 2-Methylnaphthalene	18.898	142	10893	2.40	ug/L	93
105) 1-Methylnaphthalene	19.127	142	10749	2.51	ug/L	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70802.D
Acq On : 5 Aug 2013 2:57 pm
Operator : krystend
Sample : IC2318-5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 08:53:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:56:28 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70804.D
Acq On : 5 Aug 2013 3:53 pm
Operator : krystend
Sample : IC2318-20
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 08:54:59 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:54:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.058	65	271397	500.00	ug/L	-0.02
4) pentafluorobenzene	8.449	168	715229	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.305	114	975838	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	587115	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	431995	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	135768	16.75	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 33.50%#			
60) toluene-d8 (s)	11.090	98	508112	16.24	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 32.48%#			
82) bromofluorobenzene (s)	13.771	95	197351	14.95	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 29.90%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.146	59	121200	190.43	ug/L	94
3) Ethanol	4.980	45	155866	1913.50	ug/L	94
5) dichlorodifluoromethane	4.152	85	114523	19.17	ug/L	95
6) chloromethane	4.104	50	108765	17.93	ug/L	98
7) vinyl chloride	4.327	62	150909	16.96	ug/L	96
8) bromomethane	4.798	96	37653	15.38	ug/L	99
9) chloroethane	4.953	64	63004	17.86	ug/L	97
10) ethyl ether	5.809	59	80278	19.30	ug/L	92
11) acetonitrile	5.465	41	60317	14.09	ug/L	98
12) trichlorofluoromethane	5.566	101	263848	19.23	ug/L	99
13) freon-113	6.314	101	116155	18.64	ug/L	97
14) acrolein	5.566	56	42435	87.56	ug/L	98
15) 1,1-dichloroethene	6.125	96	90373	18.45	ug/L	97
16) acetone	5.694	58	20654	16.26	ug/L	97
17) Methyl Acetate	6.314	43	133729	18.40	ug/L	100
18) methylene chloride	6.274	84	113510	16.38	ug/L	92
19) methyl tert butyl ether	7.048	73	229126	19.90	ug/L	98
20) acrylonitrile	6.193	53	36096	17.85	ug/L	94
21) allyl chloride	6.368	41	156441	18.80	ug/L	96
22) trans-1,2-dichloroethene	6.954	96	121005	18.56	ug/L	96
23) iodomethane	6.179	142	70213	23.13	ug/L	96
24) carbon disulfide	6.536	76	226245	16.42	ug/L	100
25) propionitrile	7.223	54	18010	21.90	ug/L	100
26) vinyl acetate	7.311	43	176897	19.45	ug/L	96
27) chloroprene	7.560	53	266281	20.36	ug/L	99
28) di-isopropyl ether	7.607	45	502223	19.37	ug/L	99
29) methacrylonitrile	7.722	41	80509	18.87	ug/L	95
30) 2-butanone	7.621	72	15029	19.87	ug/L	96
31) Hexane	7.580	41	283325	18.72	ug/L	94
32) 1,1-dichloroethane	7.203	63	255802	19.18	ug/L	99
33) tert-butyl ethyl ether	7.998	59	170637	20.58	ug/L	99
34) isobutyl alcohol	7.607	43	482335	100.44	ug/L	91
35) 2,2-dichloropropane	8.045	77	130945	28.18	ug/L	99
36) cis-1,2-dichloroethene	7.762	96	138494	18.94	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70804.D
Acq On : 5 Aug 2013 3:53 pm
Operator : krystend
Sample : IC2318-20
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 08:54:59 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:54:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.294	43	12707	18.36	ug/L	#	62
38) bromochloromethane	7.924	128	51786	19.03	ug/L		93
39) chloroform	7.964	83	278827	19.49	ug/L		97
41) Tetrahydrofuran	8.294	42	38129	16.90	ug/L		99
42) 1,1,1-trichloroethane	8.705	97	251524	20.10	ug/L		99
44) Cyclohexane	8.982	56	278778	19.60	ug/L		98
45) carbon tetrachloride	9.062	117	201898	20.56	ug/L		98
46) 1,1-dichloropropene	8.881	75	223477	19.61	ug/L		99
47) benzene	9.096	78	570936	15.97	ug/L		100
48) 1,2-dichloroethane	8.611	62	245902	19.08	ug/L		99
49) tert-amyl methyl ether	9.224	73	131607	19.89	ug/L		99
50) heptane	9.581	43	261997	19.45	ug/L		97
51) trichloroethene	9.716	95	158542	17.09	ug/L		97
52) 1,2-dichloropropane	9.682	63	151777	19.17	ug/L		98
53) dibromomethane	9.655	93	76594	19.24	ug/L		96
54) bromodichloromethane	9.770	83	190327	19.63	ug/L		99
55) Methylcyclohexane	10.228	83	253325	19.44	ug/L		97
56) 2-chloroethyl vinyl ether	10.228	63	3535	18.91	ug/L	#	97
57) methyl methacrylate	9.884	69	80628	20.33	ug/L		94
58) 1,4-dioxane	9.878	88	6278	110.00	ug/L		99
59) cis-1,3-dichloropropene	10.389	75	219335	20.63	ug/L		100
61) 4-methyl-2-pentanone	10.497	43	142213	20.81	ug/L		98
62) toluene	11.164	92	357869	20.12	ug/L		100
63) trans-1,3-dichloropropene	10.814	75	180810	21.06	ug/L		100
64) 1,1,2-trichloroethane	10.982	83	101653	19.46	ug/L		100
65) ethyl methacrylate	11.198	69	155306	21.53	ug/L		98
67) tetrachloroethene	11.898	166	146928	18.07	ug/L		96
68) 1,3-dichloropropane	11.218	76	212791	19.23	ug/L		98
69) dibromochloromethane	11.501	129	112349	20.78	ug/L		99
70) 1,2-dibromoethane	11.750	107	120509	19.56	ug/L		98
71) 2-hexanone	11.353	43	105355	19.14	ug/L		96
72) chlorobenzene	12.579	112	385518	19.24	ug/L		98
73) 1,1,1,2-tetrachloroethane	12.498	131	128188	20.16	ug/L		98
74) ethylbenzene	12.754	91	726859	19.29	ug/L		99
75) m,p-xylene	12.943	106	545244	39.28	ug/L		99
76) o-xylene	13.353	106	269011	19.79	ug/L		98
77) styrene	13.279	104	386532	20.12	ug/L		99
78) bromoform	13.098	173	59158	20.10	ug/L		90
79) trans-1,4-dichloro-2-b...	13.515	53	24177	24.28	ug/L	#	87
81) isopropylbenzene	13.717	105	741883	19.08	ug/L		98
83) bromobenzene	13.993	156	151967	19.34	ug/L		96
84) 1,1,2,2-tetrachloroethane	13.360	83	149915	19.21	ug/L		96
85) 1,2,3-trichloropropane	13.508	75	151275	19.48	ug/L		97
86) n-propylbenzene	14.162	91	837602	19.10	ug/L		100
87) 2-chlorotoluene	14.276	91	521031	18.96	ug/L		99
88) 4-chlorotoluene	14.350	91	512817	18.83	ug/L		97
89) 1,3,5-trimethylbenzene	14.445	105	604572	19.12	ug/L		97
90) tert-butylbenzene	14.741	91	397958	18.72	ug/L		99
91) 1,2,4-trimethylbenzene	14.849	105	580683	19.37	ug/L		98
92) sec-butylbenzene	14.970	105	770810	19.32	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70804.D
Acq On : 5 Aug 2013 3:53 pm
Operator : krystend
Sample : IC2318-20
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 08:54:59 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:54:49 2013
Response via : Initial Calibration

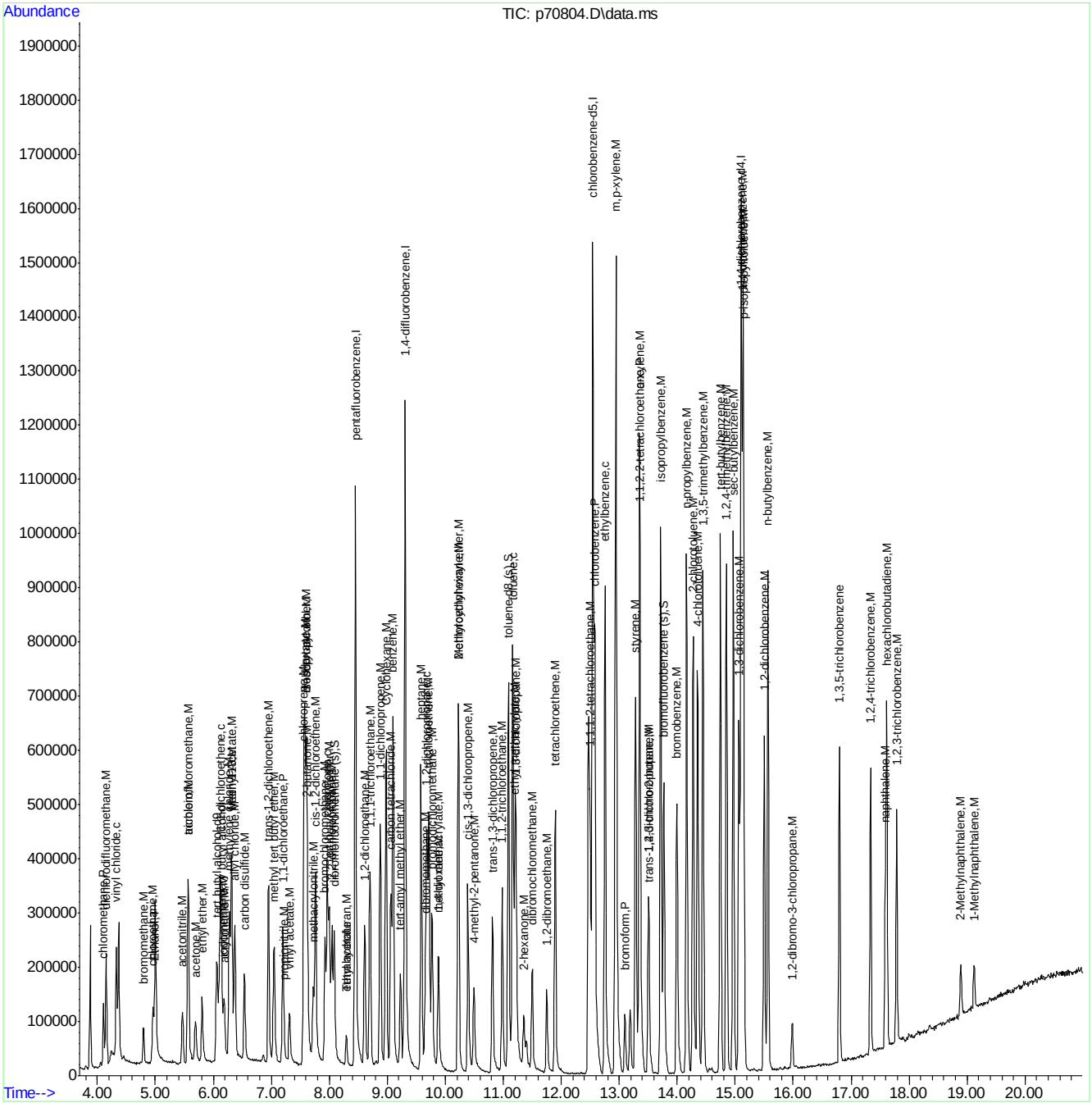
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	280643	19.20	ug/L	97
94)	p-isopropyltoluene	15.145	119	543874	19.66	ug/L	99
95)	1,4-dichlorobenzene	15.132	146	274484	19.08	ug/L	99
96)	1,2-dichlorobenzene	15.502	146	260895	19.35	ug/L	96
97)	n-butylbenzene	15.563	91	558427	21.15	ug/L	99
98)	1,2-dibromo-3-chloropr...	15.981	75	24694	19.24	ug/L	99
99)	1,3,5-trichlorobenzene	16.796	180	195105	20.27	ug/L	96
100)	1,2,4-trichlorobenzene	17.335	180	164076	23.45	ug/L	95
101)	hexachlorobutadiene	17.618	225	133762	18.32	ug/L	94
102)	naphthalene	17.591	128	211907	22.02	ug/L	100
103)	1,2,3-trichlorobenzene	17.786	180	136774	22.82	ug/L	98
104)	2-Methylnaphthalene	18.891	142	47660	9.64	ug/L	94
105)	1-Methylnaphthalene	19.120	142	43378	9.27	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70804.D
Acq On : 5 Aug 2013 3:53 pm
Operator : krystend
Sample : IC2318-20
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 08:54:59 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:54:49 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70805.D
Acq On : 5 Aug 2013 4:21 pm
Operator : krystend
Sample : ICC2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 09:17:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 09:17:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	249579	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	730946	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.305	114	1005148	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	627345	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	464823	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	378766	37.99	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 75.98%#			
60) toluene-d8 (s)	11.090	98	1430363	37.74	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 75.48%#			
82) bromofluorobenzene (s)	13.771	95	583813	38.66	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 77.32%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	297329	533.69	ug/L	100
3) Ethanol	4.987	45	402531	5555.25	ug/L	100
5) dichlorodifluoromethane	4.152	85	319367	53.28	ug/L	100
6) chloromethane	4.104	50	287740	45.93	ug/L	100
7) vinyl chloride	4.333	62	417384	50.11	ug/L	100
8) bromomethane	4.798	96	130454	46.41	ug/L	100
9) chloroethane	4.960	64	165571	49.00	ug/L	100
10) ethyl ether	5.809	59	225073	53.36	ug/L	100
11) acetonitrile	5.472	41	153091	52.19	ug/L	100
12) trichlorofluoromethane	5.566	101	697305	53.07	ug/L	100
13) freon-113	6.314	101	305903	50.05	ug/L	100
14) acrolein	5.573	56	101726	263.46	ug/L	100
15) 1,1-dichloroethene	6.132	96	242111	51.16	ug/L	100
16) acetone	5.701	58	46046	57.48	ug/L	100
17) Methyl Acetate	6.321	43	343285	49.17	ug/L	100
18) methylene chloride	6.280	84	296640	52.62	ug/L	100
19) methyl tert butyl ether	7.048	73	615433	51.91	ug/L	100
20) acrylonitrile	6.193	53	92233	49.09	ug/L	100
21) allyl chloride	6.368	41	428649	54.78	ug/L	100
22) trans-1,2-dichloroethene	6.954	96	336380	51.69	ug/L	100
23) iodomethane	6.186	142	219778	49.59	ug/L	100
24) carbon disulfide	6.536	76	689584	43.48	ug/L	100
25) propionitrile	7.223	54	49593	52.90	ug/L	100
26) vinyl acetate	7.311	43	503886	52.45	ug/L	100
27) chloroprene	7.560	53	717988	53.93	ug/L	100
28) di-isopropyl ether	7.607	45	1366876	53.60	ug/L	100
29) methacrylonitrile	7.729	41	246772	57.02	ug/L	100
30) 2-butanone	7.621	72	50615	59.82	ug/L	100
31) Hexane	7.580	41	771571	52.95	ug/L	100
32) 1,1-dichloroethane	7.203	63	680213	51.88	ug/L	100
33) tert-butyl ethyl ether	7.998	59	429995	46.70	ug/L	100
34) isobutyl alcohol	7.614	43	1304578	273.92	ug/L	100
35) 2,2-dichloropropane	8.045	77	370642	43.36	ug/L	100
36) cis-1,2-dichloroethene	7.762	96	381060	51.78	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70805.D
Acq On : 5 Aug 2013 4:21 pm
Operator : krystend
Sample : ICC2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 09:17:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 09:17:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.294	43	26836	50.43	ug/L		100
38) bromochloromethane	7.931	128	145273	55.05	ug/L		100
39) chloroform	7.964	83	752679	52.97	ug/L		100
41) Tetrahydrofuran	8.294	42	112060	50.58	ug/L		100
42) 1,1,1-trichloroethane	8.705	97	693473	53.89	ug/L		100
44) Cyclohexane	8.982	56	746480	52.74	ug/L		100
45) carbon tetrachloride	9.062	117	575203	55.09	ug/L		100
46) 1,1-dichloropropene	8.881	75	604306	53.19	ug/L		100
47) benzene	9.096	78	1512455	52.80	ug/L		100
48) 1,2-dichloroethane	8.611	62	680083	53.59	ug/L		100
49) tert-amyl methyl ether	9.231	73	310826	46.45	ug/L		100
50) heptane	9.581	43	702795	52.72	ug/L		100
51) trichloroethene	9.716	95	441328	52.07	ug/L		100
52) 1,2-dichloropropane	9.689	63	404725	51.28	ug/L		100
53) dibromomethane	9.655	93	219108	54.28	ug/L		100
54) bromodichloromethane	9.770	83	572649	54.53	ug/L		100
55) Methylcyclohexane	10.228	83	695163	52.69	ug/L		100
56) 2-chloroethyl vinyl ether	10.228	63	9259	56.44	ug/L	#	100
57) methyl methacrylate	9.884	69	235948	55.29	ug/L		100
58) 1,4-dioxane	9.877	88	17116	265.57	ug/L		100
59) cis-1,3-dichloropropene	10.389	75	652006	55.48	ug/L		100
61) 4-methyl-2-pentanone	10.497	43	396004	55.55	ug/L		100
62) toluene	11.164	92	971808	53.77	ug/L		100
63) trans-1,3-dichloropropene	10.814	75	537683	50.21	ug/L		100
64) 1,1,2-trichloroethane	10.982	83	295310	55.26	ug/L		100
65) ethyl methacrylate	11.198	69	448355	52.24	ug/L		100
67) tetrachloroethene	11.898	166	401389	48.62	ug/L		100
68) 1,3-dichloropropane	11.218	76	603888	52.61	ug/L		100
69) dibromochloromethane	11.501	129	366396	50.00	ug/L		100
70) 1,2-dibromoethane	11.750	107	350654	52.44	ug/L		100
71) 2-hexanone	11.360	43	294167	50.37	ug/L		100
72) chlorobenzene	12.579	112	1053941	50.37	ug/L		100
73) 1,1,1,2-tetrachloroethane	12.498	131	375299	53.42	ug/L		100
74) ethylbenzene	12.754	91	2000034	51.08	ug/L		100
75) m,p-xylene	12.943	106	1497181	103.69	ug/L		100
76) o-xylene	13.353	106	748837	52.27	ug/L		100
77) styrene	13.279	104	1150154	53.75	ug/L		100
78) bromoform	13.097	173	205689	47.40	ug/L		100
79) trans-1,4-dichloro-2-b...	13.515	53	76615	46.26	ug/L		100
81) isopropylbenzene	13.717	105	2100859	54.19	ug/L		100
83) bromobenzene	13.993	156	441293	53.79	ug/L		100
84) 1,1,2,2-tetrachloroethane	13.360	83	444699	55.43	ug/L		100
85) 1,2,3-trichloropropane	13.508	75	457115	54.67	ug/L		100
86) n-propylbenzene	14.162	91	2394644	54.75	ug/L		100
87) 2-chlorotoluene	14.276	91	1481434	53.02	ug/L		100
88) 4-chlorotoluene	14.350	91	1504573	53.77	ug/L		100
89) 1,3,5-trimethylbenzene	14.445	105	1737923	53.76	ug/L		100
90) tert-butylbenzene	14.741	91	1126549	52.71	ug/L		100
91) 1,2,4-trimethylbenzene	14.849	105	1683263	53.99	ug/L		100
92) sec-butylbenzene	14.970	105	2230110	54.96	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70805.D
Acq On : 5 Aug 2013 4:21 pm
Operator : krystend
Sample : ICC2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 09:17:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 09:17:04 2013
Response via : Initial Calibration

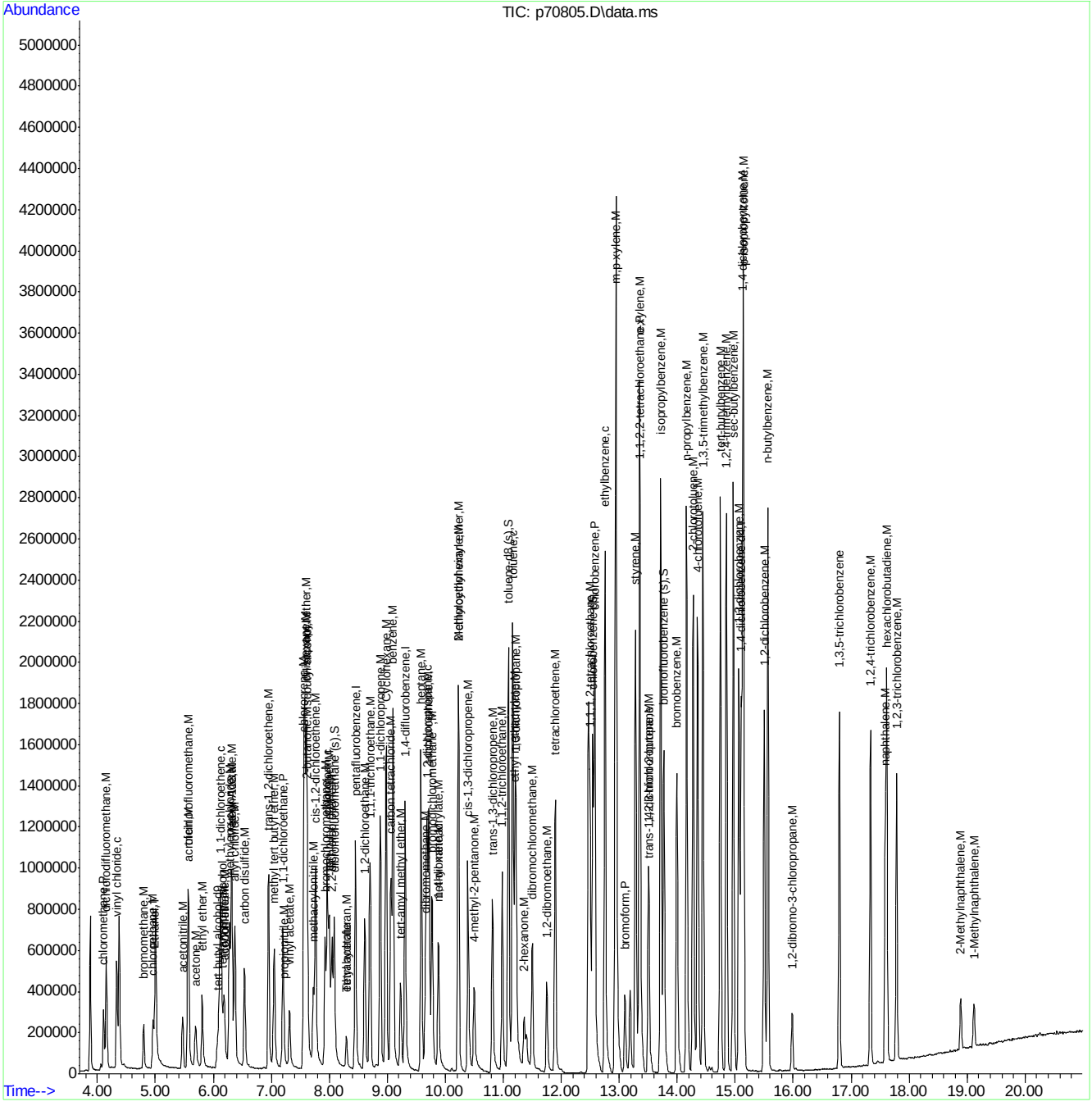
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	822423	53.43	ug/L	100
94)	p-isopropyltoluene	15.145	119	1555255	54.03	ug/L	100
95)	1,4-dichlorobenzene	15.132	146	779531	52.58	ug/L	100
96)	1,2-dichlorobenzene	15.502	146	764577	52.92	ug/L	100
97)	n-butylbenzene	15.563	91	1649220	56.04	ug/L	100
98)	1,2-dibromo-3-chloropr...	15.981	75	81716	48.89	ug/L	100
99)	1,3,5-trichlorobenzene	16.796	180	578341	53.64	ug/L	100
100)	1,2,4-trichlorobenzene	17.335	180	522122	50.37	ug/L	100
101)	hexachlorobutadiene	17.618	225	388346	49.68	ug/L	100
102)	naphthalene	17.591	128	822058	46.15	ug/L	100
103)	1,2,3-trichlorobenzene	17.786	180	452672	48.93	ug/L	100
104)	2-Methylnaphthalene	18.891	142	130404	24.56	ug/L	100
105)	1-Methylnaphthalene	19.120	142	115102	23.91	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70805.D
Acq On : 5 Aug 2013 4:21 pm
Operator : krystend
Sample : ICC2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 09:17:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 09:17:04 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70806.D
Acq On : 5 Aug 2013 4:49 pm
Operator : krystend
Sample : IC2318-100
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 08:55:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:21 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.065	65	256337	500.00	ug/L	-0.01
4) pentafluorobenzene	8.449	168	774182	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.305	114	1072323	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	648699	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	511595	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	957294	86.26	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 172.52%#			
60) toluene-d8 (s)	11.090	98	3558145	82.60	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 165.20%#			
82) bromofluorobenzene (s)	13.771	95	1528805	80.28	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 160.56%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.152	59	503061	676.93	ug/L	98
3) Ethanol	4.987	45	694313	7256.03	ug/L	98
5) dichlorodifluoromethane	4.152	85	578041	72.04	ug/L	100
6) chloromethane	4.105	50	532818	66.53	ug/L	98
7) vinyl chloride	4.334	62	769408	66.53	ug/L	99
8) bromomethane	4.798	96	276676	93.61	ug/L	97
9) chloroethane	4.953	64	310985	67.39	ug/L	97
10) ethyl ether	5.802	59	391044	69.91	ug/L	100
11) acetonitrile	5.465	41	213192	41.09	ug/L	96
12) trichlorofluoromethane	5.566	101	1210380	65.93	ug/L	99
13) freon-113	6.314	101	545906	65.63	ug/L	99
14) acrolein	5.566	56	170457	270.00	ug/L	100
15) 1,1-dichloroethene	6.132	96	429843	66.05	ug/L	98
16) acetone	5.694	58	73865	45.04	ug/L	92
17) Methyl Acetate	6.314	43	565697	59.26	ug/L	100
18) methylene chloride	6.280	84	518586	57.91	ug/L	96
19) methyl tert butyl ether	7.048	73	1062315	69.23	ug/L	99
20) acrylonitrile	6.193	53	157937	60.51	ug/L	99
21) allyl chloride	6.368	41	762558	70.68	ug/L	98
22) trans-1,2-dichloroethene	6.954	96	609789	70.50	ug/L	99
23) iodomethane	6.186	142	439883	102.28	ug/L	98
24) carbon disulfide	6.536	76	1540868	89.28	ug/L	99
25) propionitrile	7.223	54	82485	73.31	ug/L	100
26) vinyl acetate	7.311	43	875570	72.09	ug/L	99
27) chloroprene	7.560	53	1306626	73.50	ug/L	100
28) di-isopropyl ether	7.607	45	2399133	69.12	ug/L	98
29) methacrylonitrile	7.722	41	417241	75.25	ug/L	98
30) 2-butanone	7.621	72	93305	94.10	ug/L #	67
31) Hexane	7.580	41	1347825	66.75	ug/L	99
32) 1,1-dichloroethane	7.203	63	1224124	68.85	ug/L	99
33) tert-butyl ethyl ether	7.998	59	786773	70.82	ug/L	99
34) isobutyl alcohol	7.607	43	2257321	346.91	ug/L	95
35) 2,2-dichloropropane	8.045	77	800094	110.91	ug/L	99
36) cis-1,2-dichloroethene	7.762	96	693007	70.93	ug/L	98

ACCUTEST LABORATORIES MC23593

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70806.D
Acq On : 5 Aug 2013 4:49 pm
Operator : krystend
Sample : IC2318-100
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 08:55:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:21 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.288	43	46555	47.41	ug/L		79
38) bromochloromethane	7.924	128	247648	68.83	ug/L		97
39) chloroform	7.964	83	1343440	69.95	ug/L		100
41) Tetrahydrofuran	8.295	42	188637	64.56	ug/L		96
42) 1,1,1-trichloroethane	8.705	97	1250445	73.62	ug/L		99
44) Cyclohexane	8.982	56	1336561	68.77	ug/L		98
45) carbon tetrachloride	9.063	117	1050088	76.73	ug/L		100
46) 1,1-dichloropropene	8.881	75	1065108	68.48	ug/L		99
47) benzene	9.096	78	2732592	60.14	ug/L		99
48) 1,2-dichloroethane	8.611	62	1169389	67.04	ug/L		100
49) tert-amyl methyl ether	9.231	73	573053	64.09	ug/L		99
50) heptane	9.581	43	1244016	67.58	ug/L		99
51) trichloroethene	9.716	95	826245	70.07	ug/L		97
52) 1,2-dichloropropane	9.682	63	734560	68.31	ug/L		100
53) dibromomethane	9.655	93	376202	69.40	ug/L		95
54) bromodichloromethane	9.770	83	1074714	81.38	ug/L		100
55) Methylcyclohexane	10.228	83	1262366	71.05	ug/L		96
56) 2-chloroethyl vinyl ether	10.228	63	15264	54.99	ug/L	#	93
57) methyl methacrylate	9.878	69	418688	77.15	ug/L		94
58) 1,4-dioxane	9.878	88	29522	350.25	ug/L		90
59) cis-1,3-dichloropropene	10.390	75	1195671	80.98	ug/L		98
61) 4-methyl-2-pentanone	10.497	43	669508	70.90	ug/L		97
62) toluene	11.164	92	1744023	71.28	ug/L		100
63) trans-1,3-dichloropropene	10.814	75	991359	82.92	ug/L		98
64) 1,1,2-trichloroethane	10.982	83	517514	73.13	ug/L		95
65) ethyl methacrylate	11.198	69	795845	78.91	ug/L		98
67) tetrachloroethene	11.899	166	721016	68.18	ug/L		99
68) 1,3-dichloropropane	11.218	76	1048758	69.75	ug/L		100
69) dibromochloromethane	11.501	129	676706	89.12	ug/L		99
70) 1,2-dibromoethane	11.750	107	616700	73.06	ug/L		99
71) 2-hexanone	11.353	43	526492	70.44	ug/L		99
72) chlorobenzene	12.579	112	1918656	70.26	ug/L		99
73) 1,1,1,2-tetrachloroethane	12.498	131	673272	76.25	ug/L		98
74) ethylbenzene	12.754	91	3670439	71.18	ug/L		100
75) m,p-xylene	12.943	106	2687535	141.03	ug/L		99
76) o-xylene	13.354	106	1346109	71.87	ug/L		97
77) styrene	13.279	104	2128195	79.79	ug/L		99
78) bromoform	13.098	173	391529	95.71	ug/L		94
79) trans-1,4-dichloro-2-b...	13.509	53	145825	98.91	ug/L	#	75
81) isopropylbenzene	13.717	105	3817972	67.36	ug/L		99
83) bromobenzene	13.994	156	810033	70.23	ug/L		100
84) 1,1,2,2-tetrachloroethane	13.360	83	769428	67.78	ug/L		96
85) 1,2,3-trichloropropane	13.509	75	810415	71.57	ug/L		99
86) n-propylbenzene	14.162	91	4410645	69.01	ug/L		99
87) 2-chlorotoluene	14.276	91	2716822	68.02	ug/L		100
88) 4-chlorotoluene	14.351	91	2750411	69.47	ug/L		100
89) 1,3,5-trimethylbenzene	14.445	105	3220550	69.85	ug/L		100
90) tert-butylbenzene	14.741	91	2079264	67.60	ug/L		99
91) 1,2,4-trimethylbenzene	14.849	105	3143721	71.53	ug/L		100
92) sec-butylbenzene	14.970	105	4137157	70.98	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70806.D
Acq On : 5 Aug 2013 4:49 pm
Operator : krystend
Sample : IC2318-100
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 08:55:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:21 2013
Response via : Initial Calibration

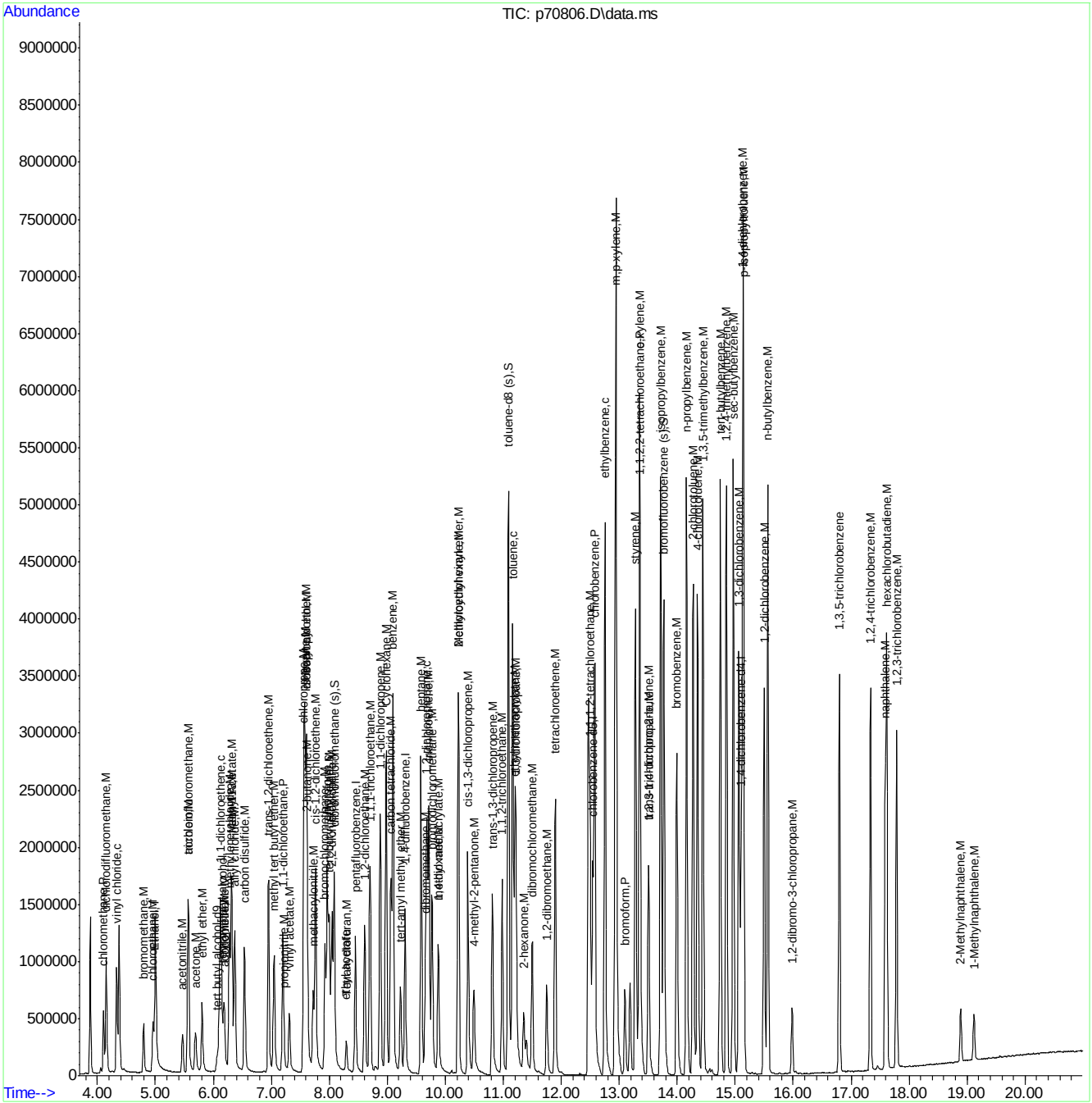
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	1537504	71.96	ug/L	99
94)	p-isopropyltoluene	15.145	119	2907253	71.44	ug/L	99
95)	1,4-dichlorobenzene	15.132	146	1468268	69.66	ug/L	99
96)	1,2-dichlorobenzene	15.502	146	1458185	73.55	ug/L	100
97)	n-butylbenzene	15.563	91	3185344	80.05	ug/L	99
98)	1,2-dibromo-3-chloropr...	15.981	75	162914	86.58	ug/L	99
99)	1,3,5-trichlorobenzene	16.796	180	1145201	79.10	ug/L	98
100)	1,2,4-trichlorobenzene	17.335	180	1065498	96.13	ug/L	100
101)	hexachlorobutadiene	17.618	225	803579	76.22	ug/L	97
102)	naphthalene	17.591	128	1840827	120.70	ug/L	100
103)	1,2,3-trichlorobenzene	17.786	180	959041	102.65	ug/L	98
104)	2-Methylnaphthalene	18.891	142	246957	34.21	ug/L	98
105)	1-Methylnaphthalene	19.120	142	215989	31.87	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70806.D
Acq On : 5 Aug 2013 4:49 pm
Operator : krystend
Sample : IC2318-100
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 08:55:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:21 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70807.D
Acq On : 5 Aug 2013 5:17 pm
Operator : krystend
Sample : IC2318-200
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 08:56:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.065	65	302353	500.00	ug/L	-0.01
4) pentafluorobenzene	8.449	168	815411	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.305	114	1143608	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	697965	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	586462	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	1597585	134.57	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 269.14%#			
60) toluene-d8 (s)	11.090	98	6029278	130.39	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 260.78%#			
82) bromofluorobenzene (s)	13.771	95	2541998	116.37	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 232.74%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.146	59	1334290	1627.35	ug/L #	55
3) Ethanol	4.974	45	1785699	16740.24	ug/L	99
5) dichlorodifluoromethane	4.152	85	1412780	177.08	ug/L	100
6) chloromethane	4.105	50	1590094	202.04	ug/L	100
7) vinyl chloride	4.334	62	1807612	159.05	ug/L	100
8) bromomethane	4.798	96	739309	240.55	ug/L	100
9) chloroethane	4.953	64	752418	165.60	ug/L	99
10) ethyl ether	5.802	59	1017270	183.73	ug/L	99
11) acetonitrile	5.465	41	283567	58.82	ug/L	100
12) trichlorofluoromethane	5.566	101	2893848	160.61	ug/L	99
13) freon-113	6.314	101	1326421	162.58	ug/L	99
14) acrolein	5.560	56	454597	752.92	ug/L	98
15) 1,1-dichloroethene	6.125	96	1042580	163.19	ug/L	98
16) acetone	5.694	58	175119	113.89	ug/L	88
17) Methyl Acetate	6.314	43	1519513	164.53	ug/L	99
18) methylene chloride	6.274	84	1305717	151.16	ug/L	95
19) methyl tert butyl ether	7.048	73	2990560	197.16	ug/L	99
20) acrylonitrile	6.186	53	416993	164.69	ug/L	99
21) allyl chloride	6.368	41	1556567	145.51	ug/L	100
22) trans-1,2-dichloroethene	6.947	96	1518591	177.15	ug/L	97
23) iodomethane	6.179	142	1104034	242.63	ug/L	100
24) carbon disulfide	6.536	76	4414266	248.15	ug/L	100
25) propionitrile	7.217	54	232228	207.01	ug/L	100
26) vinyl acetate	7.304	43	2498620	206.88	ug/L	99
27) chloroprene	7.560	53	3198030	180.36	ug/L	99
28) di-isopropyl ether	7.607	45	5970642	174.07	ug/L	93
29) methacrylonitrile	7.715	41	1111332	200.21	ug/L	97
30) 2-butanone	7.614	72	244183	236.59	ug/L	99
31) Hexane	7.580	41	3269428	164.67	ug/L	97
32) 1,1-dichloroethane	7.197	63	3045183	173.42	ug/L	99
33) tert-butyl ethyl ether	7.998	59	2504435	227.30	ug/L	100
34) isobutyl alcohol	7.607	43	5597936	870.09	ug/L	99
35) 2,2-dichloropropane	8.045	77	2504754	322.61	ug/L	99
36) cis-1,2-dichloroethene	7.762	96	1752259	180.79	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70807.D
Acq On : 5 Aug 2013 5:17 pm
Operator : krystend
Sample : IC2318-200
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 08:56:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.288	43	122399	136.25	ug/L		83
38) bromochloromethane	7.924	128	616156	173.41	ug/L		97
39) chloroform	7.964	83	3336220	175.47	ug/L		99
41) Tetrahydrofuran	8.288	42	529465	185.17	ug/L		97
42) 1,1,1-trichloroethane	8.699	97	3138244	185.19	ug/L		100
44) Cyclohexane	8.982	56	3308427	170.25	ug/L		98
45) carbon tetrachloride	9.062	117	2653982	190.71	ug/L		98
46) 1,1-dichloropropene	8.881	75	2686207	172.83	ug/L		99
47) benzene	9.096	78	6852316	151.48	ug/L		99
48) 1,2-dichloroethane	8.611	62	3024671	174.06	ug/L		99
49) tert-amyl methyl ether	9.224	73	1831185	206.90	ug/L		98
50) heptane	9.581	43	3148354	171.48	ug/L		99
51) trichloroethene	9.716	95	2049764	171.56	ug/L		98
52) 1,2-dichloropropane	9.682	63	1891026	176.05	ug/L		100
53) dibromomethane	9.655	93	993853	183.11	ug/L		95
54) bromodichloromethane	9.770	83	2820786	208.02	ug/L		99
55) Methylcyclohexane	10.228	83	3185528	178.44	ug/L		96
56) 2-chloroethyl vinyl ether	10.228	63	36622	139.40	ug/L	#	90
57) methyl methacrylate	9.878	69	1143130	206.96	ug/L		99
58) 1,4-dioxane	9.871	88	81700	982.42	ug/L		81
59) cis-1,3-dichloropropene	10.390	75	3198858	211.17	ug/L		100
61) 4-methyl-2-pentanone	10.491	43	1824035	192.32	ug/L		96
62) toluene	11.158	92	4386564	178.36	ug/L		98
63) trans-1,3-dichloropropene	10.814	75	2764016	224.46	ug/L		100
64) 1,1,2-trichloroethane	10.982	83	1353671	189.56	ug/L		99
65) ethyl methacrylate	11.191	69	2152941	208.97	ug/L		83
67) tetrachloroethene	11.899	166	1802739	167.32	ug/L		99
68) 1,3-dichloropropane	11.218	76	2677341	176.15	ug/L		99
69) dibromochloromethane	11.501	129	1837271	229.88	ug/L		100
70) 1,2-dibromoethane	11.750	107	1656979	192.84	ug/L		100
71) 2-hexanone	11.346	43	1399434	184.96	ug/L		98
72) chlorobenzene	12.579	112	4880642	176.63	ug/L		99
73) 1,1,1,2-tetrachloroethane	12.498	131	1745860	192.93	ug/L		96
74) ethylbenzene	12.754	91	9193653	175.83	ug/L		100
75) m,p-xylene	12.943	106	6658822	345.12	ug/L		99
76) o-xylene	13.354	106	3352782	176.30	ug/L		98
77) styrene	13.279	104	5317344	193.09	ug/L		100
78) bromoform	13.098	173	1168075	267.68	ug/L		96
79) trans-1,4-dichloro-2-b...	13.509	53	464044	293.19	ug/L		91
81) isopropylbenzene	13.717	105	9591322	157.93	ug/L		99
83) bromobenzene	13.994	156	2114373	170.04	ug/L		99
84) 1,1,2,2-tetrachloroethane	13.360	83	2061582	169.34	ug/L		97
85) 1,2,3-trichloropropane	13.509	75	2297976	187.70	ug/L		100
86) n-propylbenzene	14.162	91	11186869	162.77	ug/L		100
87) 2-chlorotoluene	14.276	91	6975939	162.77	ug/L		100
88) 4-chlorotoluene	14.351	91	7127067	167.25	ug/L		100
89) 1,3,5-trimethylbenzene	14.438	105	8250515	166.12	ug/L		100
90) tert-butylbenzene	14.741	91	5265978	159.70	ug/L		99
91) 1,2,4-trimethylbenzene	14.849	105	8118468	170.88	ug/L		99
92) sec-butylbenzene	14.970	105	10602067	168.46	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70807.D
Acq On : 5 Aug 2013 5:17 pm
Operator : krystend
Sample : IC2318-200
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 08:56:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:49 2013
Response via : Initial Calibration

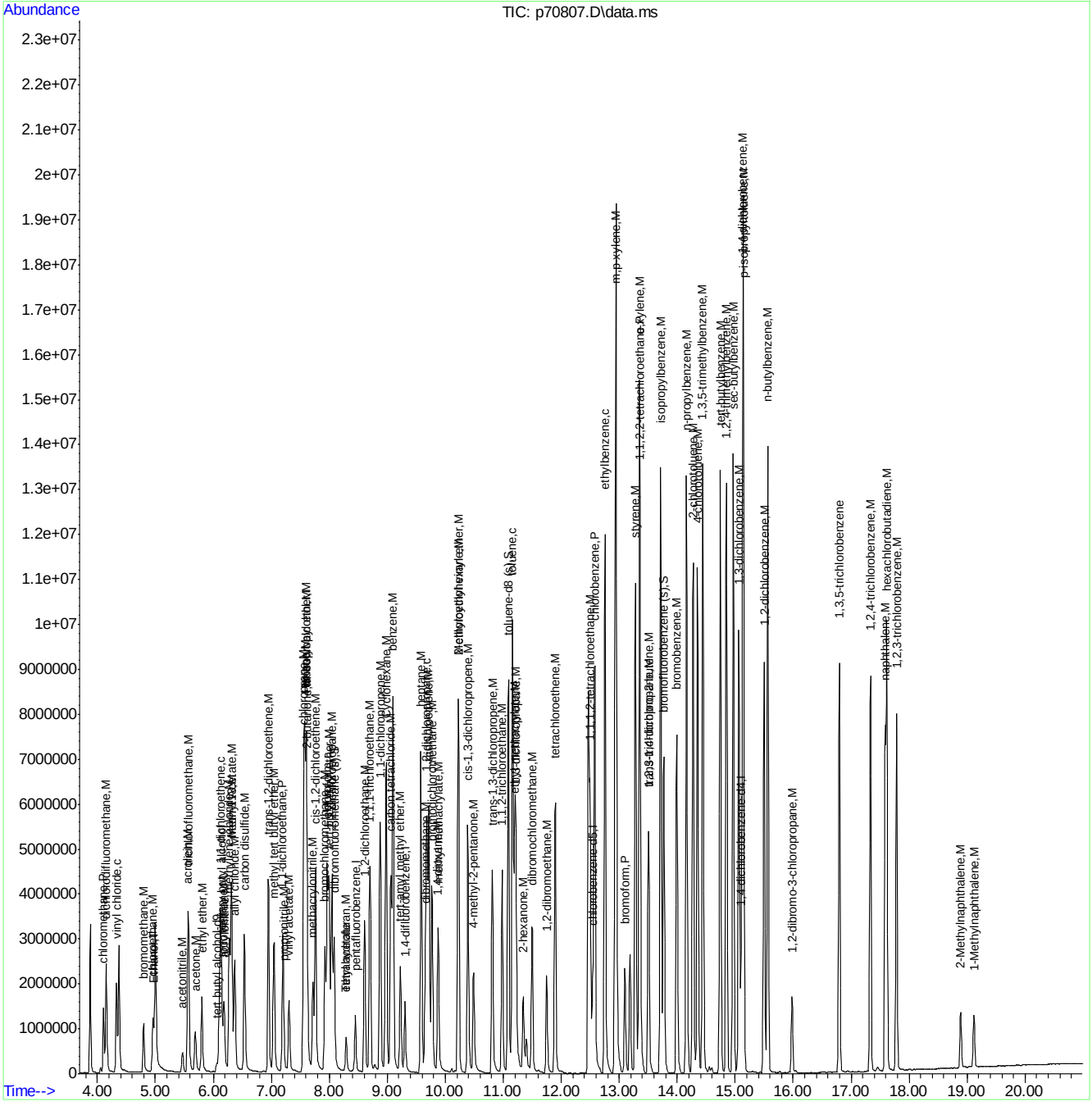
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.065	146	4060144	175.61	ug/L	99
94) p-isopropyltoluene	15.145	119	7446530	169.30	ug/L	98
95) 1,4-dichlorobenzene	15.132	146	3760447	165.70	ug/L	99
96) 1,2-dichlorobenzene	15.502	146	3890761	180.76	ug/L	99
97) n-butylbenzene	15.563	91	8403483	191.89	ug/L	99
98) 1,2-dibromo-3-chloropr...	15.981	75	484996	231.06	ug/L	93
99) 1,3,5-trichlorobenzene	16.796	180	3001071	188.72	ug/L	100
100) 1,2,4-trichlorobenzene	17.335	180	2868256	227.50	ug/L	98
101) hexachlorobutadiene	17.618	225	2138202	185.75	ug/L	98
102) naphthalene	17.591	128	5439215	298.74	ug/L	100
103) 1,2,3-trichlorobenzene	17.786	180	2614613	242.84	ug/L	97
104) 2-Methylnaphthalene	18.891	142	658255	84.91	ug/L	98
105) 1-Methylnaphthalene	19.120	142	630549	87.50	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70807.D
Acq On : 5 Aug 2013 5:17 pm
Operator : krystend
Sample : IC2318-200
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 08:56:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:49 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70808.D
Acq On : 5 Aug 2013 5:45 pm
Operator : krystend
Sample : IC2318-400
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 08:56:31 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:56:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.058	65	333186	500.00	ug/L		-0.02
4) pentafluorobenzene	8.449	168	916859	50.00	ug/L		0.00
43) 1,4-difluorobenzene	9.305	114	1287297	50.00	ug/L		0.00
66) chlorobenzene-d5	12.538	82	742844	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.105	152	619568	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.086	113	3688536	283.84	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 567.68%#				
60) toluene-d8 (s)	11.090	98	13752356	272.62	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 545.24%#				
82) bromofluorobenzene (s)	13.771	95	5745153	260.80	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 521.60%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.139	59	2789417	3186.19	ug/L	#	55
3) Ethanol	4.974	45	3603603	31512.18	ug/L		100
5) dichlorodifluoromethane	4.152	85	2870028	326.16	ug/L		100
6) chloromethane	4.105	50	3516717	396.73	ug/L		99
7) vinyl chloride	4.327	62	3498021	283.40	ug/L		98
8) bromomethane	4.798	96	1660554	464.81	ug/L		99
9) chloroethane	4.953	64	1573837	317.16	ug/L		99
10) ethyl ether	5.802	59	2134203	347.52	ug/L		94
11) acetonitrile	5.465	41	369426	77.24	ug/L		95
12) trichlorofluoromethane	5.566	101	5881673	300.17	ug/L		99
13) freon-113	6.314	101	3113431	350.32	ug/L		100
14) acrolein	5.560	56	976242	1499.75	ug/L		99
15) 1,1-dichloroethene	6.125	96	2225832	319.65	ug/L		96
16) acetone	5.688	58	352388	219.58	ug/L	#	86
17) Methyl Acetate	6.307	43	3763348	373.44	ug/L		99
18) methylene chloride	6.274	84	2906932	311.99	ug/L		94
19) methyl tert butyl ether	7.042	73	6679225	392.56	ug/L		99
20) acrylonitrile	6.186	53	892518	323.00	ug/L		100
21) allyl chloride	6.368	41	3934314	342.65	ug/L		98
22) trans-1,2-dichloroethene	6.947	96	3263892	345.19	ug/L		99
23) iodomethane	6.179	142	2425169	457.74	ug/L		97
24) carbon disulfide	6.536	76	10035308	482.36	ug/L		99
25) propionitrile	7.210	54	488758	385.23	ug/L		100
26) vinyl acetate	7.304	43	5498694	402.59	ug/L		98
27) chloroprene	7.554	53	6519466	332.43	ug/L		98
28) di-isopropyl ether	7.607	45	11873626	314.66	ug/L		91
29) methacrylonitrile	7.715	41	2282409	365.62	ug/L		96
30) 2-butanone	7.607	72	487163	407.37	ug/L	#	72
31) Hexane	7.580	41	6443477	297.38	ug/L		99
32) 1,1-dichloroethane	7.197	63	6266564	324.57	ug/L		100
33) tert-butyl ethyl ether	7.998	59	5834435	460.46	ug/L		99
34) isobutyl alcohol	7.607	43	11071886	1564.36	ug/L		97
35) 2,2-dichloropropane	8.045	77	5596455	581.63	ug/L		97
36) cis-1,2-dichloroethene	7.762	96	3659974	341.31	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70808.D
Acq On : 5 Aug 2013 5:45 pm
Operator : krystend
Sample : IC2318-400
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 08:56:31 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:56:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.288	43	255591	270.26	ug/L		76
38) bromochloromethane	7.924	128	1219991	312.28	ug/L		98
39) chloroform	7.964	83	6791556	324.31	ug/L		100
41) Tetrahydrofuran	8.288	42	1137784	358.31	ug/L		96
42) 1,1,1-trichloroethane	8.699	97	6477943	344.22	ug/L		99
44) Cyclohexane	8.982	56	6912066	324.02	ug/L		96
45) carbon tetrachloride	9.062	117	5462527	351.43	ug/L		99
46) 1,1-dichloropropene	8.881	75	5604003	327.74	ug/L		98
47) benzene	9.096	78	14192540	288.73	ug/L		100
48) 1,2-dichloroethane	8.611	62	6066903	317.02	ug/L		98
49) tert-amyl methyl ether	9.224	73	4212185	420.38	ug/L		97
50) heptane	9.581	43	6295346	312.03	ug/L		97
51) trichloroethene	9.716	95	4194267	318.33	ug/L		98
52) 1,2-dichloropropane	9.682	63	3870079	326.60	ug/L		100
53) dibromomethane	9.655	93	2038719	338.46	ug/L		95
54) bromodichloromethane	9.770	83	5798286	377.35	ug/L		99
55) Methylcyclohexane	10.228	83	6637798	336.37	ug/L		94
56) 2-chloroethyl vinyl ether	10.228	63	73388	264.18	ug/L	#	92
57) methyl methacrylate	9.878	69	2422195	387.33	ug/L		98
58) 1,4-dioxane	9.871	88	172748	1851.90	ug/L		85
59) cis-1,3-dichloropropene	10.390	75	6626352	385.02	ug/L		98
61) 4-methyl-2-pentanone	10.484	43	3859111	363.80	ug/L		95
62) toluene	11.158	92	9006522	331.30	ug/L		97
63) trans-1,3-dichloropropene	10.807	75	5808130	410.64	ug/L		99
64) 1,1,2-trichloroethane	10.982	83	2719963	341.34	ug/L		99
65) ethyl methacrylate	11.191	69	4460847	381.80	ug/L		80
67) tetrachloroethene	11.899	166	3644298	325.40	ug/L		98
68) 1,3-dichloropropane	11.218	76	5388242	339.84	ug/L		100
69) dibromochloromethane	11.494	129	3838516	440.30	ug/L		100
70) 1,2-dibromoethane	11.750	107	3401093	374.14	ug/L		100
71) 2-hexanone	11.339	43	2943735	370.20	ug/L		97
72) chlorobenzene	12.579	112	9921301	344.05	ug/L		100
73) 1,1,1,2-tetrachloroethane	12.498	131	3557760	371.59	ug/L		97
74) ethylbenzene	12.754	91	17340446	318.01	ug/L		87
75) m,p-xylene	12.943	106	13225188	659.11	ug/L	#	48
76) o-xylene	13.354	106	6690300	337.20	ug/L		96
77) styrene	13.279	104	10787904	370.21	ug/L		98
78) bromoform	13.098	173	2546661	519.07	ug/L		96
79) trans-1,4-dichloro-2-b...	13.509	53	1050513	578.68	ug/L	#	80
81) isopropylbenzene	13.711	105	17372308	280.61	ug/L		92
83) bromobenzene	13.994	156	4239461	330.98	ug/L		99
84) 1,1,2,2-tetrachloroethane	13.360	83	4165246	332.35	ug/L		97
85) 1,2,3-trichloropropane	13.502	75	4821698	376.65	ug/L		99
86) n-propylbenzene	14.155	91	18422393	261.86	ug/L		87
87) 2-chlorotoluene	14.276	91	13924071	317.38	ug/L		99
88) 4-chlorotoluene	14.351	91	14048886	320.82	ug/L		99
89) 1,3,5-trimethylbenzene	14.438	105	15613128	306.22	ug/L		93
90) tert-butylbenzene	14.741	91	10387035	308.53	ug/L		99
91) 1,2,4-trimethylbenzene	14.849	105	15482779	316.14	ug/L		91
92) sec-butylbenzene	14.964	105	18155009	280.42	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70808.D
Acq On : 5 Aug 2013 5:45 pm
Operator : krystend
Sample : IC2318-400
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 08:56:31 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:56:17 2013
Response via : Initial Calibration

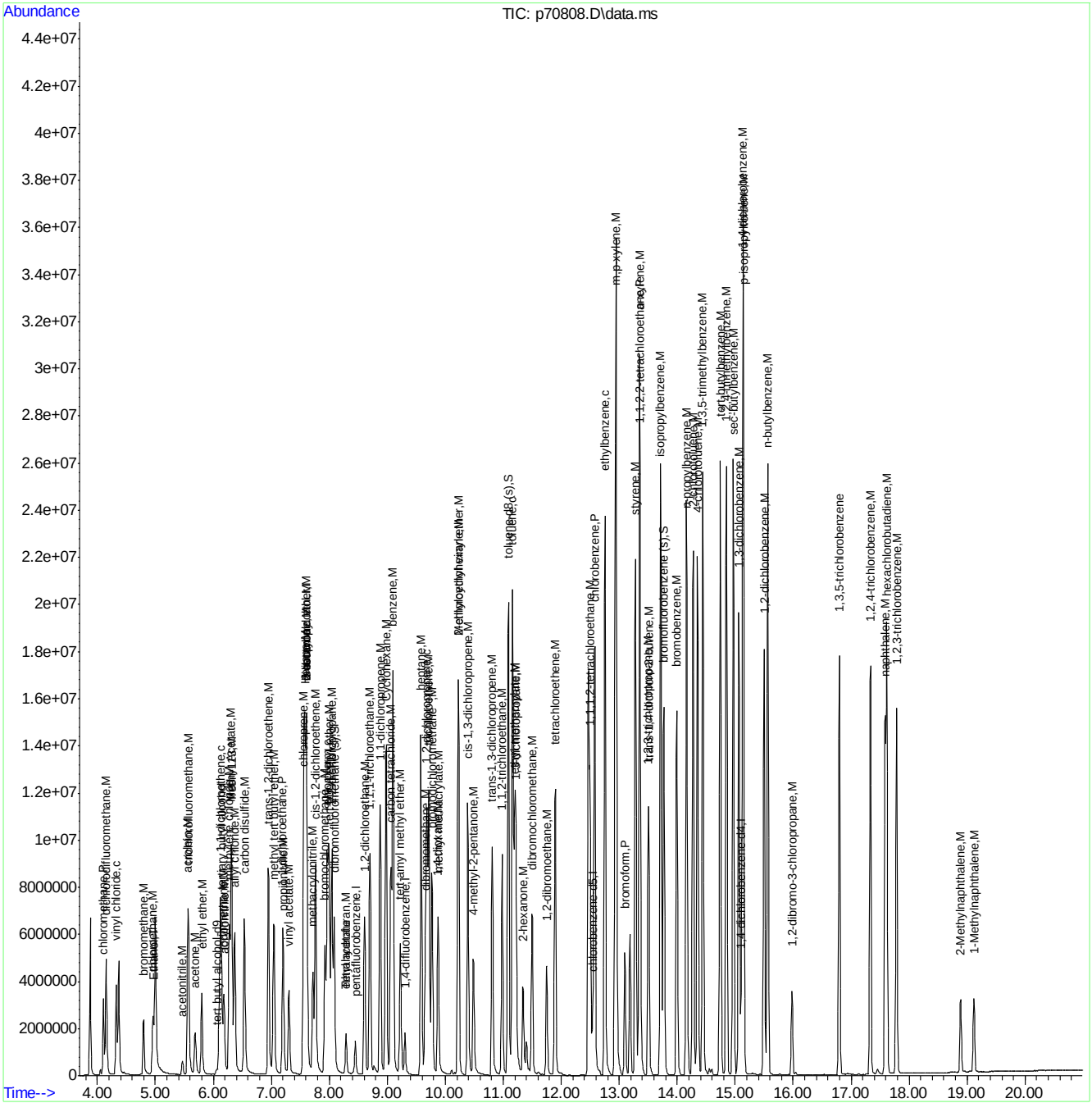
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	8066129	337.08	ug/L	99
94)	p-isopropyltoluene	15.145	119	14353815	317.01	ug/L	100
95)	1,4-dichlorobenzene	15.132	146	7302805	313.55	ug/L	99
96)	1,2-dichlorobenzene	15.502	146	7701227	344.19	ug/L	100
97)	n-butylbenzene	15.556	91	15570759	338.84	ug/L	98
98)	1,2-dibromo-3-chloropr...	15.981	75	1010993	444.41	ug/L	94
99)	1,3,5-trichlorobenzene	16.796	180	5893121	354.11	ug/L	100
100)	1,2,4-trichlorobenzene	17.335	180	5705228	418.74	ug/L	100
101)	hexachlorobutadiene	17.618	225	4171079	347.11	ug/L	99
102)	naphthalene	17.584	128	11211939	538.58	ug/L	100
103)	1,2,3-trichlorobenzene	17.786	180	5241051	444.89	ug/L	99
104)	2-Methylnaphthalene	18.891	142	1693638	212.13	ug/L	100
105)	1-Methylnaphthalene	19.120	142	1682777	225.75	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70808.D
Acq On : 5 Aug 2013 5:45 pm
Operator : krystend
Sample : IC2318-400
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 08:56:31 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:56:17 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70811.D
Acq On : 5 Aug 2013 7:10 pm
Operator : krystend
Sample : ICV2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 12:42:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	267821	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	827987	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	1124893	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	688959	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	508154	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	411821	49.42	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 98.84%#			
60) toluene-d8 (s)	11.090	98	1550946	49.77	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 99.54%#			
82) bromofluorobenzene (s)	13.771	95	599371	46.97	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 93.94%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	329842	551.73	ug/kg	98
3) Ethanol	4.980	45	400658	5125.72	ug/kg	100
5) dichlorodifluoromethane	4.152	85	370175	54.52	ug/kg	99
6) chloromethane	4.104	50	445235	62.74	ug/kg	100
7) vinyl chloride	4.333	62	388209	41.15	ug/kg	97
8) bromomethane	4.798	96	183016	55.67	ug/kg	96
9) chloroethane	4.953	64	213297	55.72	ug/kg	98
10) ethyl ether	5.809	59	256990	53.78	ug/kg	97
11) acetonitrile	5.465	41	168266	50.64	ug/kg	93
12) trichlorofluoromethane	5.566	101	729615	49.03	ug/kg	97
13) freon-113	6.314	101	370165	53.47	ug/kg	99
14) acrolein	5.566	56	204638	465.53	ug/kg	99
15) 1,1-dichloroethene	6.125	96	305312	56.96	ug/kg	98
16) acetone	5.694	58	38759	40.57	ug/kg#	69
17) Methyl Acetate	6.321	43	308987	39.07	ug/kg	99
18) methylene chloride	6.280	84	350566	54.83	ug/kg	93
19) methyl tert butyl ether	7.048	73	733756	54.64	ug/kg	99
20) acrylonitrile	6.193	53	103821	48.78	ug/kg	99
21) allyl chloride	6.368	41	620692	70.03	ug/kg	99
22) trans-1,2-dichloroethene	6.954	96	413473	56.09	ug/kg	99
23) iodomethane	6.179	142	239209	47.83	ug/kg	98
24) carbon disulfide	6.536	76	1159986	59.94	ug/kg	99
25) propionitrile	7.230	54	53037	50.09	ug/kg	100
26) vinyl acetate	7.311	43	448002	41.17	ug/kg	99
27) chloroprene	7.560	53	905644	60.05	ug/kg	98
28) di-isopropyl ether	7.607	45	1537610	53.23	ug/kg	97
29) methacrylonitrile	7.722	41	252812	51.57	ug/kg	96
30) 2-butanone	7.621	72	54050	48.89	ug/kg	95
31) Hexane	7.580	41	872681	52.87	ug/kg	98
32) 1,1-dichloroethane	7.203	63	883993	59.53	ug/kg	99
33) tert-butyl ethyl ether	7.998	59	538710	50.58	ug/kg	99
34) isobutyl alcohol	7.607	43	1431805	265.40	ug/kg	87
35) 2,2-dichloropropane	8.045	77	492748	49.01	ug/kg	98
36) cis-1,2-dichloroethene	7.762	96	449782	53.96	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70811.D
Acq On : 5 Aug 2013 7:10 pm
Operator : krystend
Sample : ICV2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 12:42:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.294	43	32368	53.83	ug/kg#	62
38) bromochloromethane	7.931	128	185561	62.07	ug/kg	94
39) chloroform	7.964	83	927085	57.60	ug/kg	99
41) Tetrahydrofuran	8.294	42	126679	50.48	ug/kg	98
42) 1,1,1-trichloroethane	8.705	97	853077	58.52	ug/kg	100
44) Cyclohexane	8.982	56	832900	52.58	ug/kg	98
45) carbon tetrachloride	9.062	117	702464	60.12	ug/kg	97
46) 1,1-dichloropropene	8.881	75	698175	54.91	ug/kg	98
47) benzene	9.096	78	1802784	56.32	ug/kg	99
48) 1,2-dichloroethane	8.611	62	736338	51.85	ug/kg	100
49) tert-amyl methyl ether	9.231	73	399433	52.00	ug/kg	97
50) heptane	9.581	43	791346	53.04	ug/kg	99
51) trichloroethene	9.716	95	522185	55.11	ug/kg	97
52) 1,2-dichloropropane	9.682	63	477390	54.04	ug/kg	99
53) dibromomethane	9.662	93	268093	59.35	ug/kg	93
54) bromodichloromethane	9.770	83	672600	57.23	ug/kg	99
55) Methylcyclohexane	10.228	83	831081	56.28	ug/kg	96
56) 2-chloroethyl vinyl ether	10.221	63	10050	54.49	ug/kg#	99
57) methyl methacrylate	9.877	69	272694	57.10	ug/kg	95
58) 1,4-dioxane	9.884	88	17676	246.27	ug/kg	80
59) cis-1,3-dichloropropene	10.389	75	714477	54.32	ug/kg	99
61) 4-methyl-2-pentanone	10.497	43	440654	55.23	ug/kg	97
62) toluene	11.164	92	1147642	56.74	ug/kg	99
63) trans-1,3-dichloropropene	10.814	75	617202	51.41	ug/kg	98
64) 1,1,2-trichloroethane	10.982	83	319055	53.35	ug/kg	98
65) ethyl methacrylate	11.198	69	505750	52.64	ug/kg	98
67) tetrachloroethene	11.898	166	502323	55.40	ug/kg	98
68) 1,3-dichloropropane	11.218	76	670723	53.21	ug/kg	99
69) dibromochloromethane	11.501	129	418225	51.76	ug/kg	98
70) 1,2-dibromoethane	11.750	107	395630	53.88	ug/kg	98
71) 2-hexanone	11.360	43	314221	48.99	ug/kg	100
72) chlorobenzene	12.579	112	1172565	51.03	ug/kg	98
73) 1,1,1,2-tetrachloroethane	12.498	131	422698	54.79	ug/kg	95
74) ethylbenzene	12.754	91	2284547	53.13	ug/kg	99
75) m,p-xylene	12.943	106	1679672	105.93	ug/kg	97
76) o-xylene	13.353	106	816367	51.89	ug/kg	99
77) styrene	13.279	104	1279075	54.43	ug/kg	100
78) bromoform	13.098	173	249001	51.26	ug/kg	97
79) trans-1,4-dichloro-2-b...	13.508	53	85379	46.77	ug/kg#	56
81) isopropylbenzene	13.717	105	2286617	53.96	ug/kg	99
83) bromobenzene	13.993	156	494380	55.12	ug/kg	98
84) 1,1,2,2-tetrachloroethane	13.360	83	491114	55.99	ug/kg	98
85) 1,2,3-trichloropropane	13.508	75	500475	54.75	ug/kg	99
86) n-propylbenzene	14.162	91	2525086	52.81	ug/kg	100
87) 2-chlorotoluene	14.276	91	1541954	50.48	ug/kg	98
88) 4-chlorotoluene	14.350	91	1603387	52.41	ug/kg	99
89) 1,3,5-trimethylbenzene	14.438	105	1864901	52.77	ug/kg	99
90) tert-butylbenzene	14.741	91	1194937	51.14	ug/kg	98
91) 1,2,4-trimethylbenzene	14.849	105	1805652	52.97	ug/kg	100
92) sec-butylbenzene	14.970	105	2393272	53.96	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70811.D
Acq On : 5 Aug 2013 7:10 pm
Operator : krystend
Sample : ICV2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 12:42:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

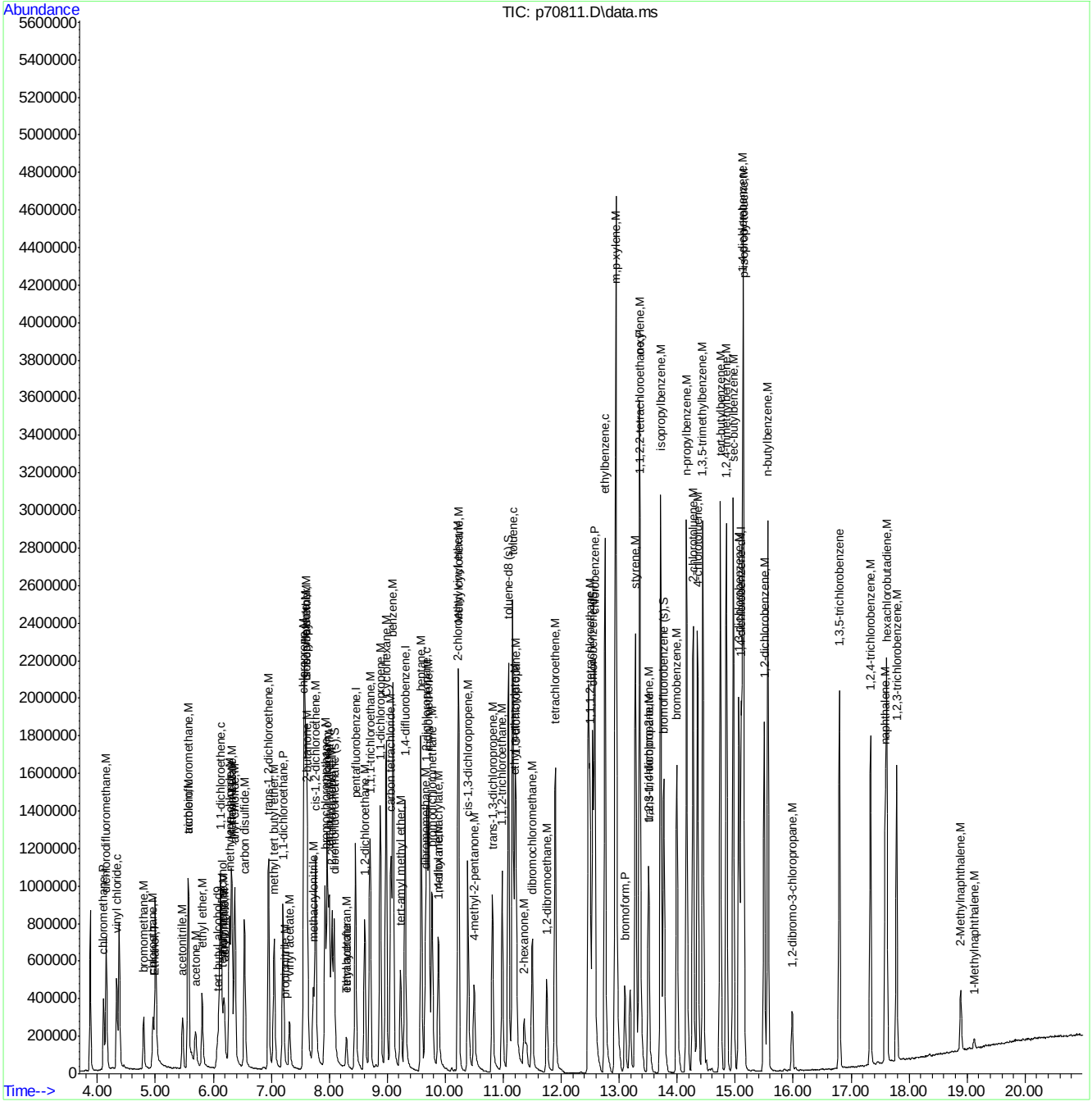
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	853604	50.73	ug/kg	99
94)	p-isopropyltoluene	15.145	119	1795147	57.05	ug/kg	98
95)	1,4-dichlorobenzene	15.132	146	869045	53.62	ug/kg	98
96)	1,2-dichlorobenzene	15.502	146	810352	51.31	ug/kg	97
97)	n-butylbenzene	15.563	91	1788357	55.58	ug/kg	99
98)	1,2-dibromo-3-chloropr...	15.981	75	87853	48.19	ug/kg	98
99)	1,3,5-trichlorobenzene	16.796	180	667763	56.66	ug/kg	100
100)	1,2,4-trichlorobenzene	17.335	180	570402	50.34	ug/kg	100
101)	hexachlorobutadiene	17.618	225	449194	52.56	ug/kg	99
102)	naphthalene	17.591	128	998271	50.39	ug/kg	100
103)	1,2,3-trichlorobenzene	17.786	180	512045	50.51	ug/kg	99
104)	2-Methylnaphthalene	18.891	142	168896	29.10	ug/kg	100
105)	1-Methylnaphthalene	19.120	142	28086	5.34	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70811.D
Acq On : 5 Aug 2013 7:10 pm
Operator : krystend
Sample : ICV2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 12:42:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/21/13 13:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71168.D
Acq On : 21 Aug 2013 9:29 am
Operator : krystend
Sample : cc2318-50
Misc : ms29699,msp2331,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 21 10:12:52 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.072	65	201315	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	519360	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	659044	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.538	82	408620	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	383860m	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	275018	52.61	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 105.22%#			
60) toluene-d8 (s)	11.090	98	820652	44.95	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 89.90%#			
82) bromofluorobenzene (s)	13.771	95	379800	39.40	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 78.80%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	287767	640.36	ug/kg	95
3) Ethanol	4.987	45	290846	4937.29	ug/kg	96
5) dichlorodifluoromethane	4.152	85	259255m	60.87	ug/kg	
6) chloromethane	4.111	50	163569	36.75	ug/kg	99
7) vinyl chloride	4.334	62	330134	55.78	ug/kg	100
8) bromomethane	4.798	96	95386	47.54	ug/kg	97
9) chloroethane	4.953	64	124403	51.81	ug/kg	99
10) ethyl ether	5.809	59	142390	47.51	ug/kg	94
11) acetonitrile	5.472	41	144511	69.34	ug/kg	90
12) trichlorofluoromethane	5.566	101	750003	80.34	ug/kg	100
13) freon-113	6.314	101	259629	59.79	ug/kg	93
14) acrolein	5.573	56	58108	212.39	ug/kg	95
15) 1,1-dichloroethene	6.125	96	190945	56.79	ug/kg	86
16) acetone	5.708	58	30751	53.52	ug/kg#	52
17) Methyl Acetate	6.321	43	233680	47.11	ug/kg	96
18) methylene chloride	6.280	84	222025	55.35	ug/kg	95
19) methyl tert butyl ether	7.048	73	440445	52.28	ug/kg	92
20) acrylonitrile	6.199	53	52021	38.97	ug/kg	95
21) allyl chloride	6.368	41	319404	57.45	ug/kg	99
22) trans-1,2-dichloroethene	6.947	96	219222	47.41	ug/kg	89
23) iodomethane	6.179	142	162683	51.46	ug/kg	80
24) carbon disulfide	6.536	76	615952	52.20	ug/kg	99
25) propionitrile	7.230	54	20018	31.20	ug/kg	100
26) vinyl acetate	7.311	43	345877	50.67	ug/kg	98
27) chloroprene	7.560	53	512088	54.13	ug/kg	88
28) di-isopropyl ether	7.607	45	825856	45.58	ug/kg	93
29) methacrylonitrile	7.729	41	144785	47.08	ug/kg	93
30) 2-butanone	7.621	72	32980	47.58	ug/kg#	91
31) Hexane	7.574	41	569419	54.99	ug/kg#	76
32) 1,1-dichloroethane	7.203	63	465188	49.94	ug/kg	97
33) tert-butyl ethyl ether	7.998	59	287247	44.51	ug/kg	94
34) isobutyl alcohol	7.607	43	853906	252.33	ug/kg	82
35) 2,2-dichloropropane	8.045	77	334748	52.18	ug/kg	97
36) cis-1,2-dichloroethene	7.762	96	251763	48.15	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71168.D
Acq On : 21 Aug 2013 9:29 am
Operator : krystend
Sample : cc2318-50
Misc : ms29699,msp2331,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 21 10:12:52 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.294	43	15079	39.42	ug/kg#	62
38) bromochloromethane	7.924	128	94794	50.55	ug/kg	96
39) chloroform	7.964	83	598924m	59.33	ug/kg	
41) Tetrahydrofuran	8.301	42	52217	33.17	ug/kg	100
42) 1,1,1-trichloroethane	8.699	97	631482	69.07	ug/kg	98
44) Cyclohexane	8.982	56	408197	43.99	ug/kg	91
45) carbon tetrachloride	9.056	117	589138	86.06	ug/kg	98
46) 1,1-dichloropropene	8.881	75	420081	56.39	ug/kg	96
47) benzene	9.096	78	938252	49.89	ug/kg	98
48) 1,2-dichloroethane	8.611	62	573759m	68.95	ug/kg	
49) tert-amyl methyl ether	9.231	73	227111	50.73	ug/kg	98
50) heptane	9.581	43	411080	47.03	ug/kg	94
51) trichloroethene	9.716	95	327342	59.05	ug/kg	96
52) 1,2-dichloropropane	9.682	63	245918	47.52	ug/kg	99
53) dibromomethane	9.655	93	163237	61.68	ug/kg	99
54) bromodichloromethane	9.770	83	474866m	68.97	ug/kg	
55) Methylcyclohexane	10.228	83	411863	47.61	ug/kg	97
56) 2-chloroethyl vinyl ether	10.221	63	8345	80.73	ug/kg#	95
57) methyl methacrylate	9.884	69	134559	48.09	ug/kg	87
58) 1,4-dioxane	9.884	88	11229	265.72	ug/kg	75
59) cis-1,3-dichloropropene	10.390	75	428448	55.60	ug/kg	98
61) 4-methyl-2-pentanone	10.504	43	220863	47.25	ug/kg	92
62) toluene	11.157	92	611068	51.57	ug/kg	94
63) trans-1,3-dichloropropene	10.814	75	357917	50.92	ug/kg	92
64) 1,1,2-trichloroethane	10.982	83	166937	47.65	ug/kg	96
65) ethyl methacrylate	11.198	69	268114	47.78	ug/kg	85
67) tetrachloroethene	11.898	166	299795	55.75	ug/kg	95
68) 1,3-dichloropropane	11.218	76	384058	51.37	ug/kg	99
69) dibromochloromethane	11.494	129	300536m	61.57	ug/kg	
70) 1,2-dibromoethane	11.750	107	217373	49.91	ug/kg	98
71) 2-hexanone	11.360	43	173119	45.51	ug/kg	85
72) chlorobenzene	12.579	112	666982	48.94	ug/kg	94
73) 1,1,1,2-tetrachloroethane	12.498	131	292636	63.95	ug/kg	95
74) ethylbenzene	12.754	91	1304409	51.15	ug/kg	94
75) m,p-xylene	12.943	106	905606	96.30	ug/kg	84
76) o-xylene	13.347	106	473509	50.74	ug/kg	84
77) styrene	13.279	104	631969	45.34	ug/kg	85
78) bromoform	13.098	173	186165	62.10	ug/kg	95
79) trans-1,4-dichloro-2-b...	13.508	53	68281	58.83	ug/kg#	80
81) isopropylbenzene	13.717	105	1348133	42.11	ug/kg	100
83) bromobenzene	13.993	156	306884	45.29	ug/kg	88
84) 1,1,2,2-tetrachloroethane	13.354	83	285613	43.11	ug/kg	97
85) 1,2,3-trichloropropane	13.502	75	319352	46.25	ug/kg	96
86) n-propylbenzene	14.162	91	1661228	45.99	ug/kg	99
87) 2-chlorotoluene	14.270	91	1059761	45.93	ug/kg	96
88) 4-chlorotoluene	14.351	91	1071211	46.36	ug/kg	97
89) 1,3,5-trimethylbenzene	14.438	105	1212269	45.41	ug/kg	100
90) tert-butylbenzene	14.741	91	867942	49.17	ug/kg	92
91) 1,2,4-trimethylbenzene	14.849	105	1201187	46.65	ug/kg	100
92) sec-butylbenzene	14.964	105	1572042	46.92	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71168.D
Acq On : 21 Aug 2013 9:29 am
Operator : krystend
Sample : cc2318-50
Misc : ms29699,msp2331,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 21 10:12:52 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

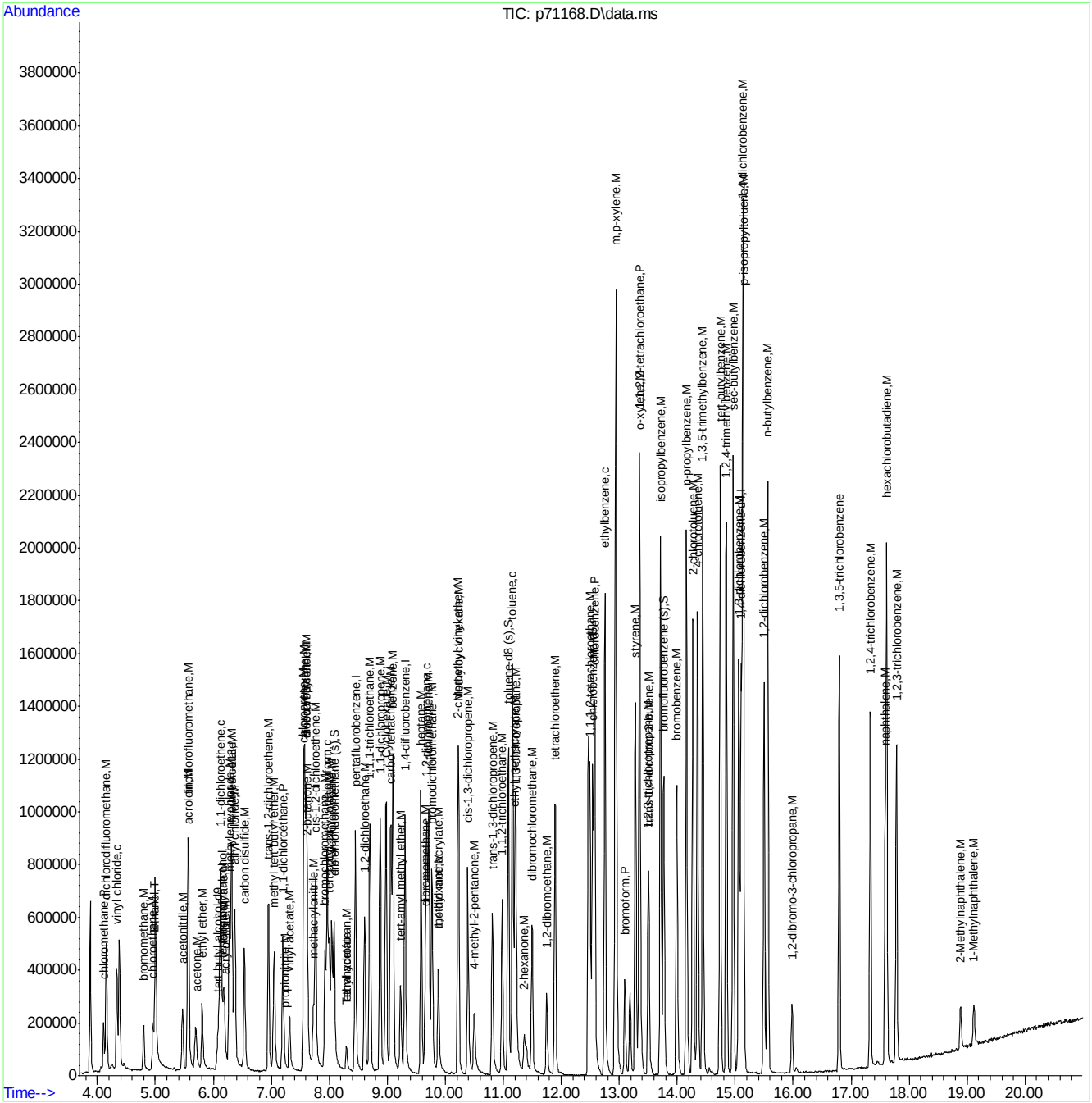
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	618346	48.65	ug/kg	97
94)	p-isopropyltoluene	15.139	119	1183258	49.78	ug/kg	96
95)	1,4-dichlorobenzene	15.132	146	611842	49.98	ug/kg	99
96)	1,2-dichlorobenzene	15.496	146	574717	48.17	ug/kg	99
97)	n-butylbenzene	15.563	91	1309662	53.88	ug/kg	97
98)	1,2-dibromo-3-chloropr...	15.981	75	74225	53.14	ug/kg	92
99)	1,3,5-trichlorobenzene	16.796	180	485680	54.55	ug/kg	94
100)	1,2,4-trichlorobenzene	17.335	180	428737	50.10	ug/kg	96
101)	hexachlorobutadiene	17.611	225	403380	62.49	ug/kg	87
102)	naphthalene	17.591	128	587492	40.99	ug/kg	100
103)	1,2,3-trichlorobenzene	17.786	180	389976	50.89	ug/kg	96
104)	2-Methylnaphthalene	18.891	142	82135	18.73	ug/kg	95
105)	1-Methylnaphthalene	19.113	142	75743	19.05	ug/kg	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130821\
Data File : p71168.D
Acq On : 21 Aug 2013 9:29 am
Operator : krystend
Sample : cc2318-50
Misc : ms29699,msp2331,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 21 10:12:52 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



Accutest Laboratories of New England, Inc. **Instrument: GCMS G**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9345	8260 IS	25Dppb
07	SS	200ppb
47	CC	
44	BS	

Daily Saved File

Tune file 1:	G130653
Tune file 2:	NA
Initial Cal:	8/20/13
ID File:	G130820S.M
ICAL Verified:	JM
Sequence verified:	KR

Date: 8/20/13

Batch ID: MSG5092

Analysts JM

Signature: JM

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
G130652	Blank		NA	CURVE	1	S	10.0g	—	50x	NA	
53	BFB	9307			2						VV 12:03pm
54	ic5092-0.5	9347			3						VV
55	-2				4						VV
56	-5				5						VV
57	-25				6						VV
58	ic5092-50				7						VV
59	ic5092-100				8						VV
60	-200				9						VV
61	-400				10						V
62	Blank				11						
63	Blank				12						
64	icv5092-50	9344			13						V VC low
65	icv5092-50				14						
66	Blank				15						
67	Blank/MB	9307			16						VV
68	MC23641-1	4	MS29686	BTXM	17		14.69		50x		VV
69	MC23579-3	2	MS29688	STAR	18		10.579		500x		VV
70	-4	2			19		10.581				VV
71	MC23578-1	2			20		9.822				VV
72	-3	2			21		11.499				VV
73	-6	2			22		9.561				VV
74	-2	2			23		10.371		1000x		VV
75	MC23641-1ms	4	MS29686	BTXM	24		14.69		50x		VV
76	-1msd	4			25						VV 10:54am
77	Blank	NA	NA	NA	26		—				
78					27		—				
79					28		—				

JM 8/20/13

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

ACCUTEST LABORATORIES MC23593

Accutest Laboratories of New England, Inc. **Instrument: GCMS G**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9345	8260 IS	250 ppb
07	SS	200ppb
47	CC	
44	BS	

Daily Saved File

Tune file 1:	G1130684
Tune file 2:	NA
Initial Cal:	8/20/13
ID File:	G1308205.M
ICAL Verified:	JM
Sequence verified:	KR

Date: 8/21/13

Batch ID: MSG5093

Analysts JM

Signature: JM

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
G1130680	BFB	—	NA	NA	1	S	10.0g	—	50x	NA	
81	CC5092-50	1			2						
82	BS	2			3						vinyl chloride low!
83	BSD	2			4						↓
84	~~Blank~~ BS	2			5						W 10:43am
85	~~MB~~ BSD	2	↓	↓	6						W
86	Blank	—			7						
87	MB	—	↓	↓ (+)	8		↓				W
88	MC23633-1	1	MS29713	STD+MTBE	9		15.0				W
89	MC23682-1	14		SL(+)	10		5.786				low
90	-2	5			11		4.957				low
91	-3	5		↓	12		5.924				low
92	MC23582-1	4		MCP	13		6.15				W
93	-2	4			14		6.88				W
94	-3	4			15		7.27				W
95	-4	4			16		6.57				W
96	-5	4		↓	17		6.85				W
97	MC23678-1	4		TCL	18		6.56				low
98	-2	4			19		6.62				
99	-3	4			20		6.53				
G1130700	-4	4			21		6.50				
01	-5	4		↓	22		6.63				↓
02	MC23630-3	2		TCL+2(+)	23		12.590				W
03	MC23593-1	1		↓	24		14.316		↓		W TRL cloudy matrix
04	MC23592-1	4		STAR	25		6.92		100x		W
05	MC23591-1	5		PAL+TMB+MTBE	26		9.46		200x		W
06	MC23582-1ms	4		MCP	27		6.15		50x		W
07	↓ -1msd	4	↓	↓	28	↓	↓	↓	↓	↓	W

JM 8/22/13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

Review: _____

Accutest Laboratories of New England, Inc. **Instrument: GCMS P**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9327	8260CC	200 ug/mL
311	BS	200
314	IS	50
307	SS	200

Daily Saved File

Tune file 1:	P70798
Tune file 2:	NA
Initial Cal:	8/5/13
ID File:	P130805S.M
ICAL Verified:	KD
Sequence verified:	KD

Date: 8/5/13

Batch ID: MSP2318

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
P70795	test 0.5	1	NA	8260	1	NA	NA	NA	NA	NA	-
96	test 5	1		Low Soil	2						-
97	blank	NA		curve	3						-
98	bfb				4						✓✓
99	blank				5						-
P70800	IC2318-0.5	1			6						✓✓
01	-2				7						✓✓
02	-5				8						✓✓
03	-10				9						✓ Removed
04	-20				10						✓✓
05	ICC2318-50				11						✓✓
06	IC2318-100				12						✓✓
07	-200				13						✓✓
08	-400				14						✓✓
09	blank	NA			15						-
10	blank				16						-
11	ICV2318-50	2			17						✓✓
12	ICV2318-50				18						
13	blank	NA			19						-
14	blank				20						-

8/5/13 (KD)

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

ACCUTEST LABORATORIES MC23593

Accutest Laboratories of New England, Inc. **Instrument: GCMS P**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9327	8260CC	200ug/mL
↓ 44	↓ BS	200 ↓
↓ 17	↓ IS/SS	50 ↓

Daily Saved File

Tune file 1:	P71168
Tune file 2:	NA
Initial Cal:	8/5/13
ID File:	P130805S.M
ICAL Verified:	KD
Sequence verified:	KR

Date: 8/21/13

Batch ID: MSP2331

Analysts KD

Signature:

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
P71167	blank	NA	NA	NA	1	NA	NA	NA	NA	NA	-
68	CC2318-50	1			2						√√
69	BS	1			3						√√
70	BSD	1			4						√√
71	iblk	NA			5						-
72	iblk				6						-
73	mb	↓	↓	↓	7	↓	↓				√√
74	MC23593-2	1	MS29706	TCL42+	8	50	4.794				√√
75	MC23518-1	2	MS29699	MCP	9		4.840				√√
76	MC23602-1	4			10		7.700				√√
77	-2	3			11		6.760				√√ CF
78	-3	4			12		9.510				√√
79	-4	4	↓	↓	13		6.050				√√ CF
80	MC23502-28	12	MS29711	SL+5	14		5.390				√√
81	-31	4			15		5.810				RR↓IS
82	-32	4			16		5.010				√√
83	-33	4			17		6.260				√√
84	-34	3			18		5.200				RR↓IS
85	-35	4			19		4.770				RR↓IS
86	-37	4			20		5.520				√√
87	-38	4			21		6.550				√√
88	-39	4			22		4.440				√√
89	-40	5			23		5.790				√√
90	-42	3			24		5.600				√√
91	-28MS	10			25		5.690				√√
92	-28MSD	11	↓	↓	26	↓	5.890				√√
93	blank	NA	NA	NA	27	NA	NA	↓	↓	↓	-
	8/21/13 KD										

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:

ACCUTEST LABORATORIES MC23593

New England ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34472-MB	R32873.D	1	08/21/13	KR	08/19/13	OP34472	MSR1199

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23593-1, MC23593-2

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	240	11	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	480	12	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	480	14	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	480	79	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	970	120	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	480	61	ug/kg	
95-48-7	2-Methylphenol	ND	480	19	ug/kg	
	3&4-Methylphenol	ND	480	24	ug/kg	
88-75-5	2-Nitrophenol	ND	480	13	ug/kg	
100-02-7	4-Nitrophenol	ND	970	91	ug/kg	
87-86-5	Pentachlorophenol	ND	480	34	ug/kg	
108-95-2	Phenol	ND	240	14	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	480	12	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	480	12	ug/kg	
83-32-9	Acenaphthene	ND	97	13	ug/kg	
208-96-8	Acenaphthylene	ND	97	9.7	ug/kg	
98-86-2	Acetophenone	ND	480	11	ug/kg	
120-12-7	Anthracene	ND	97	12	ug/kg	
1912-24-9	Atrazine	ND	480	480	ug/kg	
100-52-7	Benzaldehyde	ND	480	480	ug/kg	
56-55-3	Benzo(a)anthracene	ND	97	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	97	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	97	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	97	9.7	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	97	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	480	97	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	240	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	240	9.9	ug/kg	
105-60-2	Caprolactam	ND	480	480	ug/kg	
91-58-7	2-Chloronaphthalene	ND	240	13	ug/kg	
106-47-8	4-Chloroaniline	ND	480	12	ug/kg	
86-74-8	Carbazole	ND	97	11	ug/kg	
218-01-9	Chrysene	ND	97	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	240	11	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	240	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	240	17	ug/kg	

Method Blank Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34472-MB	R32873.D	1	08/21/13	KR	08/19/13	OP34472	MSR1199

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23593-1, MC23593-2

CAS No.	Compound	Result	RL	MDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	ND	240	15	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	480	32	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	480	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	240	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	97	12	ug/kg	
132-64-9	Dibenzofuran	ND	97	13	ug/kg	
84-74-2	Di-n-butyl phthalate	117	240	26	ug/kg	J
117-84-0	Di-n-octyl phthalate	ND	240	7.6	ug/kg	
84-66-2	Diethyl phthalate	137	240	12	ug/kg	J
131-11-3	Dimethyl phthalate	ND	240	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	240	9.0	ug/kg	
206-44-0	Fluoranthene	ND	97	13	ug/kg	
86-73-7	Fluorene	ND	97	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	240	15	ug/kg	
87-68-3	Hexachlorobutadiene	ND	240	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	480	120	ug/kg	
67-72-1	Hexachloroethane	ND	240	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	97	11	ug/kg	
78-59-1	Isophorone	ND	240	11	ug/kg	
91-57-6	2-Methylnaphthalene	ND	97	12	ug/kg	
88-74-4	2-Nitroaniline	ND	480	12	ug/kg	
99-09-2	3-Nitroaniline	ND	480	27	ug/kg	
100-01-6	4-Nitroaniline	ND	480	12	ug/kg	
91-20-3	Naphthalene	ND	97	16	ug/kg	
98-95-3	Nitrobenzene	ND	240	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	240	14	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	240	15	ug/kg	
85-01-8	Phenanthrene	ND	97	13	ug/kg	
129-00-0	Pyrene	ND	97	11	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	63%	30-130%
4165-62-2	Phenol-d5	65%	30-130%
118-79-6	2,4,6-Tribromophenol	75%	30-130%

Method Blank Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34472-MB	R32873.D	1	08/21/13	KR	08/19/13	OP34472	MSR1199

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23593-1, MC23593-2

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	58%	30-130%
321-60-8	2-Fluorobiphenyl	69%	30-130%
1718-51-0	Terphenyl-d14	81%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
625-86-5	Furan, 2,5-dimethyl-	2.05	250	ug/kg	JN
	Total TIC, Semi-Volatile		250	ug/kg	J

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34472-BS	R32874.D	1	08/21/13	KR	08/19/13	OP34472	MSR1199
OP34472-BSD	R32875.D	1	08/21/13	KR	08/19/13	OP34472	MSR1199

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23593-1, MC23593-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	2490	1810	73	1530	64	17	30-130/30
59-50-7	4-Chloro-3-methyl phenol	2490	1860	75	1560	65	18	30-130/30
120-83-2	2,4-Dichlorophenol	2490	1970	79	1630	68	19	30-130/30
105-67-9	2,4-Dimethylphenol	2490	1780	72	1530	64	15	30-130/30
51-28-5	2,4-Dinitrophenol	2490	1300	52	1150	48	12	30-130/30
534-52-1	4,6-Dinitro-o-cresol	2490	1850	74	1590	67	15	30-130/30
95-48-7	2-Methylphenol	2490	1780	72	1600	67	11	30-130/30
	3&4-Methylphenol	4980	3520	71	3160	66	11	30-130/30
88-75-5	2-Nitrophenol	2490	1860	75	1550	65	18	30-130/30
100-02-7	4-Nitrophenol	2490	1700	68	1470	62	15	30-130/30
87-86-5	Pentachlorophenol	2490	1430	57	1280	54	11	30-130/30
108-95-2	Phenol	2490	1920	77	1710	72	12	30-130/30
95-95-4	2,4,5-Trichlorophenol	2490	2000	80	1740	73	14	30-130/30
88-06-2	2,4,6-Trichlorophenol	2490	1950	78	1700	71	14	30-130/30
83-32-9	Acenaphthene	2490	2060	83	1770	74	15	40-140/30
208-96-8	Acenaphthylene	2490	1670	67	1450	61	14	40-140/30
98-86-2	Acetophenone	2490	1750	70	1510	63	15	40-140/30
120-12-7	Anthracene	2490	2110	85	1870	78	12	40-140/30
1912-24-9	Atrazine	2490	2120	85	1890	79	11	40-140/30
100-52-7	Benzaldehyde	2490	733	29* [a]	625	26* [a]	16	40-140/30
56-55-3	Benzo(a)anthracene	2490	2270	91	2070	87	9	40-140/30
50-32-8	Benzo(a)pyrene	2490	2060	83	1790	75	14	40-140/30
205-99-2	Benzo(b)fluoranthene	2490	2260	91	1970	83	14	40-140/30
191-24-2	Benzo(g,h,i)perylene	2490	2250	90	1960	82	14	40-140/30
207-08-9	Benzo(k)fluoranthene	2490	2230	90	1890	79	17	40-140/30
92-52-4	1,1'-Biphenyl	2490	1880	76	1650	69	13	40-140/30
101-55-3	4-Bromophenyl phenyl ether	2490	2160	87	1930	81	11	40-140/30
85-68-7	Butyl benzyl phthalate	2490	2230	90	1940	81	14	40-140/30
105-60-2	Caprolactam	2490	2000	80	1720	72	15	40-140/30
91-58-7	2-Chloronaphthalene	2490	2050	82	1840	77	11	40-140/30
106-47-8	4-Chloroaniline	2490	1710	69	1500	63	13	40-140/30
86-74-8	Carbazole	2490	2250	90	1990	83	12	40-140/30
218-01-9	Chrysene	2490	2130	86	1940	81	9	40-140/30
111-91-1	bis(2-Chloroethoxy)methane	2490	1920	77	1610	68	18	40-140/30
111-44-4	bis(2-Chloroethyl)ether	2490	1960	79	1660	70	17	40-140/30
108-60-1	bis(2-Chloroisopropyl)ether	2490	2400	96	2090	88	14	40-140/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34472-BS	R32874.D	1	08/21/13	KR	08/19/13	OP34472	MSR1199
OP34472-BSD	R32875.D	1	08/21/13	KR	08/19/13	OP34472	MSR1199

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23593-1, MC23593-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
7005-72-3	4-Chlorophenyl phenyl ether	2490	2180	88	1910	80	13	40-140/30
121-14-2	2,4-Dinitrotoluene	2490	2160	87	1910	80	12	40-140/30
606-20-2	2,6-Dinitrotoluene	2490	2030	82	1780	75	13	40-140/30
91-94-1	3,3'-Dichlorobenzidine	2490	1820	73	1660	70	9	40-140/30
53-70-3	Dibenzo(a,h)anthracene	2490	2190	88	1900	80	14	40-140/30
132-64-9	Dibenzofuran	2490	2010	81	1750	73	14	40-140/30
84-74-2	Di-n-butyl phthalate	2490	2310	93	2050	86	12	40-140/30
117-84-0	Di-n-octyl phthalate	2490	2380	96	2070	87	14	40-140/30
84-66-2	Diethyl phthalate	2490	2320	93	2010	84	14	40-140/30
131-11-3	Dimethyl phthalate	2490	2200	88	1900	80	15	40-140/30
117-81-7	bis(2-Ethylhexyl)phthalate	2490	2210	89	1920	81	14	40-140/30
206-44-0	Fluoranthene	2490	2340	94	2080	87	12	40-140/30
86-73-7	Fluorene	2490	2120	85	1860	78	13	40-140/30
118-74-1	Hexachlorobenzene	2490	2080	84	1830	77	13	40-140/30
87-68-3	Hexachlorobutadiene	2490	1930	78	1540	65	22	40-140/30
77-47-4	Hexachlorocyclopentadiene	2490	846	34* [a]	669	28* [a]	23	40-140/30
67-72-1	Hexachloroethane	2490	1750	70	1470	62	17	40-140/30
193-39-5	Indeno(1,2,3-cd)pyrene	2490	2210	89	1910	80	15	40-140/30
78-59-1	Isophorone	2490	1830	74	1570	66	15	40-140/30
91-57-6	2-Methylnaphthalene	2490	1790	72	1520	64	16	40-140/30
88-74-4	2-Nitroaniline	2490	2140	86	1830	77	16	40-140/30
99-09-2	3-Nitroaniline	2490	1910	77	1740	73	9	40-140/30
100-01-6	4-Nitroaniline	2490	2100	84	1780	75	16	40-140/30
91-20-3	Naphthalene	2490	2640	106	2160	91	20	40-140/30
98-95-3	Nitrobenzene	2490	1700	68	1450	61	16	40-140/30
621-64-7	N-Nitroso-di-n-propylamine	2490	1800	72	1580	66	13	40-140/30
86-30-6	N-Nitrosodiphenylamine	2490	2060	83	1780	75	15	40-140/30
85-01-8	Phenanthrene	2490	2220	89	1940	81	13	40-140/30
129-00-0	Pyrene	2490	2140	86	1910	80	11	40-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	66%	61%	30-130%
4165-62-2	Phenol-d5	67%	62%	30-130%
118-79-6	2,4,6-Tribromophenol	74%	64%	30-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34472-BS	R32874.D	1	08/21/13	KR	08/19/13	OP34472	MSR1199
OP34472-BSD	R32875.D	1	08/21/13	KR	08/19/13	OP34472	MSR1199

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23593-1, MC23593-2

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-60-0	Nitrobenzene-d5	64%	58%	30-130%
321-60-8	2-Fluorobiphenyl	72%	66%	30-130%
1718-51-0	Terphenyl-d14	72%	69%	30-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

8.2.1

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* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34472-MS	R32899.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200
OP34472-MSD	R32900.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200
MC23630-1	R32901.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23593-1, MC23593-2

CAS No.	Compound	MC23630-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		2870	1770	62	1780	62	1	30-130/30
59-50-7	4-Chloro-3-methyl phenol	ND		2870	2060	72	2290	79	11	30-130/30
120-83-2	2,4-Dichlorophenol	ND		2870	2070	72	2210	76	7	30-130/30
105-67-9	2,4-Dimethylphenol	ND		2870	1870	65	1960	68	5	30-130/30
51-28-5	2,4-Dinitrophenol	ND		2870	349	12* [a]	314	11* [a]	11	30-130/30
534-52-1	4,6-Dinitro-o-cresol	ND		2870	1150	40	1030	36	11	30-130/30
95-48-7	2-Methylphenol	ND		2870	1930	67	2000	69	4	30-130/30
	3&4-Methylphenol	ND		5730	3780	66	3970	69	5	30-130/30
88-75-5	2-Nitrophenol	ND		2870	1810	63	1730	60	5	30-130/30
100-02-7	4-Nitrophenol	ND		2870	1790	62	2020	70	12	30-130/30
87-86-5	Pentachlorophenol	ND		2870	1340	47	1170	40	14	30-130/30
108-95-2	Phenol	ND		2870	2010	70	1960	68	3	30-130/30
95-95-4	2,4,5-Trichlorophenol	ND		2870	2150	75	2360	82	9	30-130/30
88-06-2	2,4,6-Trichlorophenol	ND		2870	2170	76	2260	78	4	30-130/30
83-32-9	Acenaphthene	70.9	J	2870	2390	81	2490	84	4	40-140/30
208-96-8	Acenaphthylene	190		2870	1990	63	2100	66	5	40-140/30
98-86-2	Acetophenone	ND		2870	1810	63	1730	60	5	40-140/30
120-12-7	Anthracene	303		2870	2610	81	2890	89	10	40-140/30
1912-24-9	Atrazine	ND		2870	2520	88	2790	97	10	40-140/30
100-52-7	Benzaldehyde	ND		2870	760	27* [a]	749	26* [a]	1	40-140/30
56-55-3	Benzo(a)anthracene	873		2870	3220	82	3780	101	16	40-140/30
50-32-8	Benzo(a)pyrene	801		2870	2660	65	3230	84	19	40-140/30
205-99-2	Benzo(b)fluoranthene	957		2870	3120	75	3550	90	13	40-140/30
191-24-2	Benzo(g,h,i)perylene	1040		2870	2950	67	3380	81	14	40-140/30
207-08-9	Benzo(k)fluoranthene	706		2870	2660	68	3500	97	27	40-140/30
92-52-4	1,1'-Biphenyl	ND		2870	2190	76	2270	79	4	40-140/30
101-55-3	4-Bromophenyl phenyl ether	ND		2870	2630	92	2790	97	6	40-140/30
85-68-7	Butyl benzyl phthalate	ND		2870	2570	90	2890	100	12	40-140/30
105-60-2	Caprolactam	ND		2870	2010	70	2250	78	11	40-140/30
91-58-7	2-Chloronaphthalene	ND		2870	2370	83	2400	83	1	40-140/30
106-47-8	4-Chloroaniline	ND		2870	1640	57	1650	57	1	40-140/30
86-74-8	Carbazole	186		2870	2730	89	2940	95	7	40-140/30
218-01-9	Chrysene	999		2870	3140	75	3680	93	16	40-140/30
111-91-1	bis(2-Chloroethoxy)methane	ND		2870	1980	69	1920	66	3	40-140/30
111-44-4	bis(2-Chloroethyl)ether	ND		2870	1830	64	1840	64	1	40-140/30
108-60-1	bis(2-Chloroisopropyl)ether	ND		2870	2380	83	2340	81	2	40-140/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34472-MS	R32899.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200
OP34472-MSD	R32900.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200
MC23630-1	R32901.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23593-1, MC23593-2

CAS No.	Compound	MC23630-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
7005-72-3	4-Chlorophenyl phenyl ether	ND		2870	2590	90	2690	93	4	40-140/30
121-14-2	2,4-Dinitrotoluene	ND		2870	2450	85	2730	94	11	40-140/30
606-20-2	2,6-Dinitrotoluene	ND		2870	2370	83	2560	89	8	40-140/30
91-94-1	3,3'-Dichlorobenzidine	ND		2870	1050	37* [a]	1040	36* [a]	1	40-140/30
53-70-3	Dibenzo(a,h)anthracene	228		2870	2580	82	2860	91	10	40-140/30
132-64-9	Dibenzofuran	259		2870	2520	79	2720	85	8	40-140/30
84-74-2	Di-n-butyl phthalate	94.9	J	2870	2720	92	2890	97	6	40-140/30
117-84-0	Di-n-octyl phthalate	ND		2870	2770	97	3000	104	8	40-140/30
84-66-2	Diethyl phthalate	ND		2870	2580	90	2760	95	7	40-140/30
131-11-3	Dimethyl phthalate	ND		2870	2510	88	2720	94	8	40-140/30
117-81-7	bis(2-Ethylhexyl)phthalate	272	J	2870	2730	86	3010	95	10	40-140/30
206-44-0	Fluoranthene	1610		2870	3850	78	4590	103	18	40-140/30
86-73-7	Fluorene	63.6	J	2870	2500	85	2710	92	8	40-140/30
118-74-1	Hexachlorobenzene	ND		2870	2410	84	2620	91	8	40-140/30
87-68-3	Hexachlorobutadiene	ND		2870	1870	65	1830	63	2	40-140/30
77-47-4	Hexachlorocyclopentadiene	ND		2870	610	21* [a]	512	18* [a]	17	40-140/30
67-72-1	Hexachloroethane	ND		2870	1590	55	1590	55	0	40-140/30
193-39-5	Indeno(1,2,3-cd)pyrene	674		2870	2690	70	3070	83	13	40-140/30
78-59-1	Isophorone	ND		2870	1920	67	1980	68	3	40-140/30
91-57-6	2-Methylnaphthalene	435		2870	2220	62	2360	67	6	40-140/30
88-74-4	2-Nitroaniline	ND		2870	2550	89	2710	94	6	40-140/30
99-09-2	3-Nitroaniline	ND		2870	2160	75	2150	74	0	40-140/30
100-01-6	4-Nitroaniline	ND		2870	2100	73	2280	79	8	40-140/30
91-20-3	Naphthalene	577		2870	3010	85	3110	88	3	40-140/30
98-95-3	Nitrobenzene	ND		2870	1690	59	1660	57	2	40-140/30
621-64-7	N-Nitroso-di-n-propylamine	ND		2870	1920	67	1930	67	1	40-140/30
86-30-6	N-Nitrosodiphenylamine	ND		2870	2500	87	2510	87	0	40-140/30
85-01-8	Phenanthrene	1210		2870	3460	79	3980	96	14	40-140/30
129-00-0	Pyrene	1400		2870	3500	73	4190	97	18	40-140/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23630-1	Limits
367-12-4	2-Fluorophenol	56%	51%	61%	30-130%
4165-62-2	Phenol-d5	61%	58%	63%	30-130%
118-79-6	2,4,6-Tribromophenol	69%	72%	63%	30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34472-MS	R32899.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200
OP34472-MSD	R32900.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200
MC23630-1	R32901.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23593-1, MC23593-2

CAS No.	Surrogate Recoveries	MS	MSD	MC23630-1	Limits
4165-60-0	Nitrobenzene-d5	55%	49%	55%	30-130%
321-60-8	2-Fluorobiphenyl	69%	67%	69%	30-130%
1718-51-0	Terphenyl-d14	75%	81%	73%	30-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSR1159-DFTPP
Lab File ID: R31829.D
Instrument ID: GCMSR
Injection Date: 06/28/13
Injection Time: 19:25

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	15081	37.7		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	15275	38.1		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	18690	46.7		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	40043	100.0		Pass
199	5.0 - 9.0% of mass 198	2731	6.82		Pass
275	10.0 - 30.0% of mass 198	10188	25.4		Pass
365	1.0 - 100.0% of mass 198	1276	3.19		Pass
441	Present, but less than mass 443	5840	14.6	(81.2) [b]	Pass
442	40.0 - 100.0% of mass 198	36685	91.6		Pass
443	17.0 - 23.0% of mass 442	7191	18.0	(19.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSR1159-ICC1159	R31830.D	06/28/13	19:48	00:23	Initial cal 50
MSR1159-IC1159	R31831.D	06/28/13	20:11	00:46	Initial cal 2
MSR1159-IC1159	R31832.D	06/28/13	20:33	01:08	Initial cal 5
MSR1159-IC1159	R31833.D	06/28/13	20:56	01:31	Initial cal 10
MSR1159-IC1159	R31834.D	06/28/13	21:19	01:54	Initial cal 20
MSR1159-IC1159	R31835.D	06/28/13	21:42	02:17	Initial cal 80
MSR1159-IC1159	R31836.D	06/28/13	22:05	02:40	Initial cal 120
MSR1159-IC1159	R31837.D	06/28/13	22:27	03:02	Initial cal 160
MSR1159-IC1159	R31839.D	06/28/13	23:13	03:48	Initial cal 5
MSR1159-IC1159	R31840.D	06/28/13	23:36	04:11	Initial cal 10
MSR1159-IC1159	R31841.D	06/28/13	23:59	04:34	Initial cal 20
MSR1159-IC1159	R31842.D	06/29/13	00:21	04:56	Initial cal 50
MSR1159-IC1159	R31843.D	06/29/13	00:45	05:20	Initial cal 80
MSR1159-IC1159	R31844.D	06/29/13	01:08	05:43	Initial cal 120
MSR1159-IC1159	R31845.D	06/29/13	01:32	06:07	Initial cal 160

Instrument Performance Check (DFTPP)

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSR1199-DFTPP
Lab File ID: R32870.D
Instrument ID: GCMSR
Injection Date: 08/21/13
Injection Time: 07:25

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	17071	39.0		Pass
68	Less than 2.0% of mass 69	262	0.60	(1.69) [a]	Pass
69	Mass 69 relative abundance	15534	35.5		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	18477	42.2		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	43749	100.0		Pass
199	5.0 - 9.0% of mass 198	2876	6.57		Pass
275	10.0 - 30.0% of mass 198	10247	23.4		Pass
365	1.0 - 100.0% of mass 198	1317	3.01		Pass
441	Present, but less than mass 443	6327	14.5	(84.3) [b]	Pass
442	40.0 - 100.0% of mass 198	39488	90.3		Pass
443	17.0 - 23.0% of mass 442	7505	17.2	(19.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSR1199-CC1159	R32871.D	08/21/13	07:48	00:23	Continuing cal 80
MSR1199-CC1159	R32872.D	08/21/13	08:10	00:45	Continuing cal 50
OP34472-MB	R32873.D	08/21/13	08:33	01:08	Method Blank
OP34472-BS	R32874.D	08/21/13	08:55	01:30	Blank Spike
OP34472-BSD	R32875.D	08/21/13	09:17	01:52	Blank Spike Duplicate
OP34429-MB	R32876.D	08/21/13	09:40	02:15	Method Blank
OP34429-BS	R32877.D	08/21/13	10:02	02:37	Blank Spike
OP34429-MS	R32878.D	08/21/13	10:25	03:00	Matrix Spike
OP34429-MSD	R32879.D	08/21/13	10:48	03:23	Matrix Spike Duplicate
MC23500-5	R32880.D	08/21/13	11:10	03:45	(used for QC only; not part of job MC23593)
ZZZZZZ	R32881.D	08/21/13	11:33	04:08	(unrelated sample)
ZZZZZZ	R32882.D	08/21/13	11:55	04:30	(unrelated sample)
ZZZZZZ	R32883.D	08/21/13	12:18	04:53	(unrelated sample)
ZZZZZZ	R32884.D	08/21/13	12:40	05:15	(unrelated sample)
ZZZZZZ	R32885.D	08/21/13	13:03	05:38	(unrelated sample)
ZZZZZZ	R32886.D	08/21/13	13:26	06:01	(unrelated sample)
ZZZZZZ	R32887.D	08/21/13	13:48	06:23	(unrelated sample)
ZZZZZZ	R32888.D	08/21/13	14:11	06:46	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSR1200-DFTPP
Lab File ID: R32889.D
Instrument ID: GCMSR
Injection Date: 08/21/13
Injection Time: 15:26

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	19398	40.7		Pass
68	Less than 2.0% of mass 69	160	0.34	(0.91) [a]	Pass
69	Mass 69 relative abundance	17645	37.0		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	20353	42.7		Pass
197	Less than 1.0% of mass 198	175	0.37		Pass
198	Base peak, 100% relative abundance	47669	100.0		Pass
199	5.0 - 9.0% of mass 198	3366	7.06		Pass
275	10.0 - 30.0% of mass 198	12031	25.2		Pass
365	1.0 - 100.0% of mass 198	1412	2.96		Pass
441	Present, but less than mass 443	7242	15.2	(88.1) [b]	Pass
442	40.0 - 100.0% of mass 198	46885	98.4		Pass
443	17.0 - 23.0% of mass 442	8220	17.2	(17.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSR1200-CC1159	R32890.D	08/21/13	16:11	00:45	Continuing cal 80
MSR1200-CC1159	R32891.D	08/21/13	16:30	01:04	Continuing cal 50
OP34450-MB	R32892.D	08/21/13	16:52	01:26	Method Blank
OP34450-BS	R32893.D	08/21/13	17:15	01:49	Blank Spike
OP34450-MS	R32894.D	08/21/13	17:38	02:12	Matrix Spike
OP34450-MSD	R32895.D	08/21/13	18:01	02:35	Matrix Spike Duplicate
MC23500-8	R32896.D	08/21/13	18:24	02:58	(used for QC only; not part of job MC23593)
ZZZZZZ	R32897.D	08/21/13	18:46	03:20	(unrelated sample)
ZZZZZZ	R32898.D	08/21/13	19:09	03:43	(unrelated sample)
OP34472-MS	R32899.D	08/21/13	19:32	04:06	Matrix Spike
OP34472-MSD	R32900.D	08/21/13	19:54	04:28	Matrix Spike Duplicate
MC23630-1	R32901.D	08/21/13	20:17	04:51	(used for QC only; not part of job MC23593)
MC23593-1	R32902.D	08/21/13	20:39	05:13	MW-01-1'
MC23593-2	R32903.D	08/21/13	21:02	05:36	MW-02-6'-7.5'
ZZZZZZ	R32904.D	08/21/13	21:24	05:58	(unrelated sample)
ZZZZZZ	R32905.D	08/21/13	21:47	06:21	(unrelated sample)
ZZZZZZ	R32906.D	08/21/13	22:09	06:43	(unrelated sample)
ZZZZZZ	R32907.D	08/21/13	22:32	07:06	(unrelated sample)
ZZZZZZ	R32908.D	08/21/13	22:54	07:28	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample:	MSR1200-DFTPP	**Injection Date:**	08/21/13
Lab File ID:	R32889.D	**Injection Time:**	15:26
Instrument ID:	GCMSR		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	R32909.D	08/21/13	23:17	07:51	(unrelated sample)
ZZZZZZ	R32910.D	08/21/13	23:39	08:13	(unrelated sample)
ZZZZZZ	R32911.D	08/22/13	00:02	08:36	(unrelated sample)
ZZZZZZ	R32912.D	08/22/13	00:24	08:58	(unrelated sample)
ZZZZZZ	R32913.D	08/22/13	00:46	09:20	(unrelated sample)
ZZZZZZ	R32914.D	08/22/13	01:09	09:43	(unrelated sample)
ZZZZZZ	R32915.D	08/22/13	01:31	10:05	(unrelated sample)
ZZZZZZ	R32916.D	08/22/13	01:53	10:27	(unrelated sample)
ZZZZZZ	R32917.D	08/22/13	02:16	10:50	(unrelated sample)
ZZZZZZ	R32918.D	08/22/13	02:38	11:12	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std: MSR1199-CC1159 **Injection Date:** 08/21/13
Lab File ID: R32871.D **Injection Time:** 07:48
Instrument ID: GCMSR **Method:** SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	59526	4.15	218439	5.21	130932	6.74	225412	8.13	261483	11.10	240322	12.69
Upper Limit [a]	119052	4.65	436878	5.71	261864	7.24	450824	8.63	522966	11.60	480644	13.19
Lower Limit [b]	29763	3.65	109220	4.71	65466	6.24	112706	7.63	130742	10.60	120161	12.19
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
OP34472-MB	50463	4.15	186459	5.21	113262	6.73	194575	8.13	221203	11.10	206001	12.68
OP34472-BS	52818	4.15	187072	5.21	114245	6.73	193981	8.13	221844	11.10	206539	12.69
OP34472-BSD	52560	4.15	194560	5.21	118355	6.73	200234	8.13	225405	11.10	213179	12.69
OP34429-MB	43390	4.15	158247	5.21	96303	6.73	167812	8.13	189106	11.09	180414	12.68
OP34429-BS	56409	4.15	211305	5.21	126872	6.73	218570	8.13	249356	11.10	234816	12.69
OP34429-MS	64475	4.15	234566	5.21	142032	6.74	246097	8.13	273796	11.10	260975	12.69
OP34429-MSD	50429	4.15	188217	5.21	113628	6.73	195615	8.13	222155	11.10	214093	12.69
MC23500-5	35060	4.15	133297	5.21	79804	6.73	139177	8.13	153612	11.09	147789	12.68
ZZZZZZ	44006	4.15	160771	5.21	98959	6.73	165982	8.13	190553	11.09	176652	12.68
ZZZZZZ	41895	4.15	156747	5.21	97405	6.73	164210	8.13	182274	11.09	172594	12.68
ZZZZZZ	35316	4.15	129307	5.21	76877	6.73	132689	8.13	151566	11.09	142807	12.68
ZZZZZZ	31720	4.15	120097	5.21	72517	6.73	126612	8.13	141122	11.09	134011	12.68
ZZZZZZ	39090	4.15	143061	5.21	88159	6.73	150896	8.13	168741	11.09	159725	12.68
ZZZZZZ	41846	4.15	151666	5.21	92103	6.73	162376	8.13	179840	11.09	173789	12.68
ZZZZZZ	33545	4.15	123090	5.21	76187	6.73	126930	8.13	145322	11.09	135558	12.68
ZZZZZZ	32476	4.15	120267	5.21	73221	6.73	126448	8.13	139511	11.09	133970	12.68

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	MSR1200-CC1159	**Injection Date:**	08/21/13
Lab File ID:	R32890.D	**Injection Time:**	16:11
Instrument ID:	GCMSR	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	55025	4.15	213777	5.21	126416	6.73	223959	8.13	251988	11.10	230887	12.68
Upper Limit [a]	110050	4.65	427554	5.71	252832	7.23	447918	8.63	503976	11.60	461774	13.18
Lower Limit [b]	27513	3.65	106889	4.71	63208	6.23	111980	7.63	125994	10.60	115444	12.18

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP34450-MB	68915	4.15	251803	5.21	155800	6.73	260401	8.13	296643	11.09	277752	12.68
OP34450-BS	60146	4.15	213261	5.21	133092	6.73	230614	8.13	258086	11.09	239118	12.68
OP34450-MS	58257	4.15	206307	5.21	125297	6.73	214412	8.13	241308	11.09	228958	12.68
OP34450-MSD	61570	4.15	229249	5.21	139095	6.73	234656	8.13	262838	11.09	246548	12.68
MC23500-8	47403	4.15	179386	5.21	105269	6.73	192466	8.13	209488	11.09	193853	12.68
ZZZZZZ	48524	4.15	177053	5.21	103315	6.73	186907	8.13	204554	11.09	197868	12.68
ZZZZZZ	50255	4.15	187896	5.21	111866	6.73	196006	8.13	216100	11.09	205748	12.68
OP34472-MS	59948	4.15	218396	5.21	133004	6.73	227180	8.13	252385	11.10	243313	12.68
OP34472-MSD	64299	4.15	239953	5.21	147235	6.73	254881	8.13	276992	11.10	264154	12.69
MC23630-1	76382	4.15	290965	5.21	177865	6.73	310358	8.13	335104	11.10	310580	12.69
MC23593-1	69505	4.15	252097	5.21	155095	6.73	267441	8.13	306854	11.11	273283	12.70
MC23593-2	78581	4.15	290267	5.21	176128	6.73	306485	8.13	346823	11.09	318577	12.68
ZZZZZZ	66860	4.15	240392	5.21	147109	6.73	259821	8.13	282232	11.09	271408	12.68
ZZZZZZ	71819	4.15	265076	5.21	163118	6.73	285499	8.13	335051	11.09	317360	12.68
ZZZZZZ	73791	4.15	261236	5.21	166686	6.73	281305	8.13	309730	11.09	297990	12.68
ZZZZZZ	63283	4.15	232687	5.21	141802	6.73	244348	8.13	275620	11.09	259362	12.68
ZZZZZZ	60686	4.15	222496	5.21	138448	6.73	238449	8.13	263489	11.09	253165	12.68
ZZZZZZ	72764	4.15	257220	5.21	156108	6.73	275803	8.13	308364	11.09	291844	12.68
ZZZZZZ	67966	4.15	244375	5.21	150717	6.73	260192	8.13	293322	11.09	283258	12.68
ZZZZZZ	62983	4.15	237376	5.21	141073	6.73	248923	8.13	279855	11.09	263980	12.68
ZZZZZZ	61347	4.15	227745	5.21	139169	6.73	231431	8.13	263593	11.09	252560	12.68
ZZZZZZ	73850	4.15	262624	5.22	169549	6.73	280720	8.13	318099	11.09	293556	12.68
ZZZZZZ	66064	4.15	240618	5.22	148802	6.73	249478	8.13	277500	11.09	265353	12.68
ZZZZZZ	85032	4.15	309994	5.21	188238	6.73	330714	8.13	367329	11.09	352180	12.68
ZZZZZZ	73215	4.15	264987	5.21	160575	6.73	284254	8.13	309836	11.09	303508	12.68
ZZZZZZ	71326	4.15	262156	5.22	162804	6.73	268426	8.13	302469	11.09	288193	12.68
ZZZZZZ	63850	4.15	232256	5.21	140734	6.73	249471	8.13	281098	11.09	264354	12.68

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

Semivolatile Internal Standard Area Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	MSR1200-CC1159	**Injection Date:**	08/21/13
Lab File ID:	R32890.D	**Injection Time:**	16:11
Instrument ID:	GCMSR	**Method:**	SW846 8270C

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Method: SW846 8270C **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC23593-1	R32902.D	69.0	66.0	76.0	65.0	75.0	78.0
MC23593-2	R32903.D	64.0	62.0	69.0	57.0	70.0	72.0
OP34472-BS	R32874.D	66.0	67.0	74.0	64.0	72.0	72.0
OP34472-BSD	R32875.D	61.0	62.0	64.0	58.0	66.0	69.0
OP34472-MB	R32873.D	63.0	65.0	75.0	58.0	69.0	81.0
OP34472-MS	R32899.D	56.0	61.0	69.0	55.0	69.0	75.0
OP34472-MSD	R32900.D	51.0	58.0	72.0	49.0	67.0	81.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	30-130%
S2 = Phenol-d5	30-130%
S3 = 2,4,6-Tribromophenol	30-130%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

Initial Calibration Summary

Job Number: MC23593 **Sample:** MSR1159-ICC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31830.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report MSR

Method : W:\1\methods\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

Calibration Files
160 =R31845.D 120 =R31844.D 80 =R31843.D 20 =R31841.D
5 =R31839.D 2 =R31831.D 10 =R31840.D 50 =R31842.D

	Compound	160	120	80	20	5	2	10	50	Avg	%RSD
1)	I 1,4-Dichlorobenzene-d	ISTD									
2)	N-nitrosodim	0.816	0.822	0.786	0.784	0.710		0.795	0.791	0.786	4.67
3)	Pyridine	1.434	1.468	1.433	1.428	1.372		1.426	1.449	1.430	2.05
4)	Aniline	1.906	1.924	1.873	1.823	1.746	1.640	1.793	1.871	1.822	5.18
5)	2-Fluorophen	1.258	1.270	1.207	1.195	1.238	1.083	1.215	1.233	1.213	4.79
6)	bis(2-Chloro	0.888	0.906	0.859	0.857	0.889	0.781	0.866	0.875	0.865	4.37
7)	Phenol-d5	1.594	1.597	1.530	1.524	1.518	1.541	1.462	1.516	1.535	2.85
8)	Phenol	1.604	1.611	1.566	1.557	1.446	1.434	1.457	1.546	1.528	4.68
9)	2-Chlorophen	1.350	1.380	1.314	1.287	1.177	1.186	1.283	1.323	1.287	5.64
10)	1,3-Dichloro	1.493	1.499	1.444	1.449	1.444	1.381	1.480	1.458	1.456	2.56
11)	1,4-Dichloro	1.564	1.574	1.514	1.491	1.439	1.519	1.471	1.544	1.515	3.05
12)	1,2-Dichloro	1.420	1.441	1.366	1.325	1.277	1.282	1.334	1.408	1.357	4.60
13)	Benzyl alcoh	0.866	0.885	0.848	0.796	0.754		0.778	0.866	0.828	6.14
14)	bis(2-chloro	1.520	1.521	1.479	1.492	1.508	1.365	1.419	1.513	1.477	3.80
15)	o-cresol	1.165	1.169	1.154	1.104	1.041	1.030	1.027	1.169	1.107	5.92
16)	Acetophenone	1.871	1.909	1.853	1.862	1.816	1.700	1.728	1.884	1.828	4.14
17)	Hexachloroet	0.576	0.590	0.569	0.572	0.552	0.548	0.536	0.576	0.565	3.13
18)	N-Nitroso-di	0.892	0.902	0.870	0.877	0.744	0.937	0.787	0.861	0.859	7.32
19)	m+p-cresols	1.284	1.293	1.252	1.180	1.157	1.130	1.141	1.265	1.213	5.57
20)	4-methylphen	1.284	1.293	1.252	1.180	1.157	1.130	1.141	1.264	1.213	5.56
21)	I 1,4-Dichlorobenzene-d	ISTD									
22)	Benzaldehyde			1.030	0.999	0.925		1.134	1.025	1.023	7.34
23)	I Naphthalene-d8	ISTD									
24)	Nitrobenzene	0.403	0.392	0.380	0.386	0.381	0.361	0.376	0.379	0.382	3.21
25)	Nitrobenzene	0.400	0.387	0.379	0.384	0.389	0.393	0.374	0.381	0.386	2.14
26)	Isophorone	0.694	0.675	0.645	0.645	0.598	0.618	0.617	0.648	0.643	4.90
27)	2-Nitropheno	0.203	0.193	0.186	0.175	0.166		0.174	0.189	0.184	6.86
28)	2,4-Dimethyl	0.369	0.361	0.340	0.351	0.283		0.331	0.350	0.341	8.36
29)	bis(2-Chloro	0.411	0.401	0.386	0.396	0.367		0.377	0.374	0.388	4.09
30)	Benzoic acid	0.292	0.280	0.262	0.196			0.158	0.240	0.238	21.79
	---- Linear regression ---- Coefficient = 0.9955										
	Response Ratio = -0.03395 + 0.28255 *A										
31)	2,4-Dichloro	0.325	0.312	0.304	0.295	0.260		0.295	0.312	0.300	6.88
32)	1,2,4-Trichl	0.355	0.339	0.327	0.336	0.339	0.325	0.325	0.327	0.334	3.15
33)	Naphthalene	1.120	1.066	1.023	1.044	0.983	1.037	1.028	1.046	1.044	3.76
34)	2,6-Dichloro	0.315	0.310	0.295	0.303	0.274		0.282	0.303	0.297	4.95
35)	4-Chloroanil	0.466	0.445	0.435	0.439	0.402		0.410	0.437	0.433	4.97
36)	Hexachlorobu	0.217	0.215	0.207	0.223	0.191	0.186	0.218	0.210	0.208	6.34
37)	4-Chloro-3-m	0.314	0.305	0.296	0.286	0.264		0.268	0.296	0.290	6.37
38)	2-Methylnaph	0.779	0.751	0.732	0.733	0.695	0.721	0.699	0.746	0.732	3.79
39)	1-Methylnaph	0.740	0.719	0.707	0.701	0.704	0.719	0.692	0.708	0.711	2.04
40)	1,2,4,5-Tetr	0.395	0.386	0.375	0.377	0.393	0.408	0.382	0.381	0.387	2.79

Initial Calibration Summary

Job Number: MC23593 **Sample:** MSR1159-ICC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31830.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
41) I   Naphthalene-d8a       ----------------ISTD--------------------
42) Caprolactam  0.164 0.161 0.156 0.148 0.106       0.132 0.159 0.146  14.30
            ---- Linear regression ----  Coefficient =  0.9997
              Response Ratio = -0.00729 + 0.16297 *A


43) I   Acenaphthene-d10      ----------------ISTD--------------------
44) Pentachloron 0.182 0.177 0.176 0.157             0.151 0.176 0.170   7.38
45) Hexachlorocy 0.428 0.417 0.402 0.390 0.358       0.342 0.404 0.392   7.95
46) 2,4,6-Trichl 0.395 0.391 0.389 0.364 0.333       0.346 0.382 0.371   6.54
47) 2,4,5-Trichl 0.412 0.405 0.403 0.406 0.359       0.350 0.403 0.391   6.52
48) 2-Fluorobiph 1.363 1.361 1.330 1.350 1.303 1.299 1.312 1.325 1.331   1.90
49) 2-Chloronaph 1.098 1.089 1.064 1.101 1.008 1.099 1.030 1.053 1.068   3.31
50) Acenaphthyle 1.833 1.804 1.776 1.777 1.637 1.661 1.661 1.751 1.737   4.27
51) Dimethylphth 1.281 1.260 1.248 1.258 1.173 1.138 1.177 1.228 1.221   4.21
52) 2,4-Dinitrot 0.401 0.391 0.380 0.373 0.323       0.331 0.373 0.368   8.02
53) Acenaphthene 1.181 1.152 1.146 1.152 1.131 1.049 1.053 1.128 1.124   4.28
54) 2,4-Dinitrop 0.214 0.211 0.197 0.158                   0.175 0.191  12.56
55) Dibenzofuran 1.662 1.643 1.616 1.620 1.489 1.590 1.525 1.587 1.592   3.67
56) 2,6-Dinitrot 0.304 0.303 0.298 0.281 0.227       0.252 0.285 0.278  10.41
57) 4-Nitropheno 0.260 0.253 0.250 0.235             0.208 0.250 0.243   7.75
58) 2,3,4,6-Tetr 0.367 0.355 0.359 0.321 0.301       0.291 0.346 0.334   8.97
59) Fluorene     1.355 1.321 1.308 1.295 1.238 1.214 1.223 1.286 1.280   3.93
60) 4-Chlorophen 0.644 0.637 0.638 0.645 0.595 0.629 0.592 0.620 0.625   3.37
61) Diethylphtha 1.289 1.262 1.250 1.236 1.126 1.167 1.172 1.225 1.216   4.56
62) 2-nitroanili 0.375 0.364 0.360 0.343 0.284       0.303 0.350 0.340   9.94
63) 3-nitroanili 0.321 0.315 0.314 0.298             0.270 0.299 0.303   6.18
64) 4-nitroanili 0.321 0.316 0.303 0.297             0.264 0.297 0.300   6.80

65)     Acenaphthene-d10a     ----------------ISTD--------------------
66) 1,1'-Bipheny 1.502 1.506 1.463 1.391 1.447       1.429 1.491 1.461   2.90

67) I   Phenanthrene-d10      ----------------ISTD--------------------
68) 4,6-Dinitro- 0.162 0.153 0.152 0.135             0.101 0.147 0.142  15.35
            ---- Linear regression ----  Coefficient =  0.9994
              Response Ratio = -0.01474 + 0.16125 *A

69) n-Nitrosodip 0.556 0.543 0.538 0.532 0.490 0.491 0.493 0.529 0.522   5.03
70) 1,2-Diphenyl 0.712 0.689 0.686 0.672 0.633 0.677 0.674 0.683 0.678   3.27
71) 2,4,6-Tribro 0.133 0.131 0.129 0.119 0.097       0.107 0.123 0.120  11.27
72) 4-Bromopheny 0.228 0.224 0.219 0.214 0.205 0.200 0.216 0.222 0.216   4.42
73) Hexachlorobe 0.253 0.247 0.245 0.259 0.243 0.235 0.226 0.247 0.244   4.17
74) Pentachlorop 0.178 0.176 0.169 0.146             0.123 0.159 0.158  13.38
75) Phenanthrene 1.148 1.090 1.092 1.069 1.038 1.054 1.062 1.092 1.081   3.10
76) Anthracene   1.184 1.153 1.150 1.122 1.075 1.000 1.055 1.131 1.109   5.47
77) Carbazole    1.085 1.065 1.034 0.992 0.937 0.815 0.944 1.033 0.988   8.88
78) Di-n-butylph 1.322 1.278 1.267 1.179 1.011       1.084 1.230 1.196   9.40
79) Fluoranthene 1.244 1.199 1.191 1.150 1.057 1.010 1.097 1.173 1.140   6.95

80) I   Phenanthrene-d10a     ----------------ISTD--------------------
81) Atrazine           0.212 0.212 0.199 0.159       0.177 0.215 0.196  11.74

82) I   Chrysene-d12          ----------------ISTD--------------------
83) Benzidine    0.412 0.391 0.382 0.347             0.280 0.386 0.366  12.86
84) Pyrene       1.236 1.203 1.155 1.160 1.079 1.043 1.106 1.164 1.143   5.59
85) Terphenyl-d1 0.900 0.894 0.863 0.878 0.834 0.820 0.804 0.856 0.856   4.06
86) 3,3-Dimethyl 0.518 0.507 0.497 0.434             0.382 0.486 0.471  11.16
87) Butylbenzylp 0.524 0.511 0.483 0.481 0.382       0.430 0.499 0.473  10.55
88) 3,3'-Dichlor 0.459 0.448 0.429 0.372 0.277       0.329 0.411 0.389  17.23
            ---- Linear regression ----  Coefficient =  0.9972
```

Initial Calibration Summary

Job Number: MC23593 **Sample:** MSR1159-ICC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31830.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
               Response Ratio = -0.02247 + 0.44011 *A

 89) Benzo[a]anth 1.123 1.106 1.067 1.054 0.946 0.918 0.998 1.060 1.034   7.09
 90) Chrysene     1.092 1.079 1.035 1.036 0.993 0.973 0.993 1.025 1.028   4.06
 91) bis(2-Ethylh 0.762 0.739 0.704 0.658 0.485       0.558 0.696 0.657  15.33
             ---- Linear regression ----  Coefficient =  0.9981
               Response Ratio = -0.03404 + 0.73447 *A


 92) I   Perylene-d12          ----------------ISTD---------------------
 93) Di-n-octylph 1.301 1.253 1.170 1.032 0.673       0.798 1.128 1.051  22.33#
             ---- Linear regression ----  Coefficient =  0.9982
               Response Ratio = -0.16023 + 1.31545 *A

 94) Benzo[b]fluo 1.283 1.289 1.153 1.147 0.978 1.027 1.095 1.199 1.146   9.74
 95) Benzo[k]fluo 1.221 1.157 1.185 1.183 1.018 0.943 1.110 1.121 1.117   8.39
 96) Benzo[a]pyre 1.142 1.115 1.088 1.071 0.857 0.803 0.950 1.056 1.010  12.45
 97) Indeno[1,2,3 1.420 1.410 1.340 1.298 1.102 1.019 1.189 1.310 1.261  11.48
 98) Dibenz[a,h]a 1.152 1.133 1.066 1.053 0.918 0.844 0.921 1.058 1.018  10.88
 99) Benzo[g,h,i] 1.145 1.146 1.100 1.085 0.921 0.885 1.006 1.090 1.047   9.49

100)     Naphthalene-d8b       ----------------ISTD---------------------
101) o-Toluic Aci 0.220 0.207 0.203 0.156 0.099       0.125 0.193 0.172  26.87
             ---- Quadratic regression ----  Coefficient =  0.9997
               Response Ratio = -0.01503 + 0.19200 *A + 0.00772 *A^2

102) m-Toluic Aci 0.279 0.270 0.236 0.178 0.119       0.154 0.229 0.209  28.96
             ---- Quadratic regression ----  Coefficient =  0.9992
               Response Ratio = -0.01899 + 0.22129 *A + 0.01614 *A^2

103) p-Toluic Aci 0.319 0.319 0.316 0.310 0.234       0.298 0.336 0.304  10.83
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           R130628_8270+.m        Tue Jul 09 10:08:52 2013
```

8.7.1

8

Initial Calibration Verification

Job Number: MC23593 **Sample:** MSR1160-ICV1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31849.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\R130701\R31849.D Vial: 100
Acq On : 1 Jul 2013 8:41 am Operator: kristinr
Sample : ICV1159-50 Inst : MSR
Misc : op33699,msr1160,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : W:\1\methods\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Mon Jul 08 17:06:27 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	172	0.00	4.42
2		N-nitrosodimethylamine	0.786	0.773	1.7	168	0.00	2.55
3	T	Pyridine	1.430	1.271	11.1	151	0.00	2.57
4	T	Aniline	1.822	1.646	9.7	152	0.00	4.19
5	S	2-Fluorophenol	1.213	1.268	-4.5	177	0.00	3.47
6	T	bis(2-Chloroethyl)ether	0.865	0.877	-1.4	172	0.00	4.22
7	S	Phenol-d5	1.535	1.569	-2.2	178	0.00	4.14
8	C	Phenol	1.528	1.595	-4.4	178	0.00	4.15
9	M	2-Chlorophenol	1.287	1.371	-6.5	179	0.00	4.28
10	T	1,3-Dichlorobenzene	1.456	1.420	2.5	168	0.00	4.40
11	C	1,4-Dichlorobenzene	1.515	1.478	2.4	165	0.00	4.44
12	T	1,2-Dichlorobenzene	1.357	1.406	-3.6	172	0.00	4.59
13	T	Benzyl alcohol	0.828	0.829	-0.1	165	0.00	4.54
14	T	bis(2-chloroisopropyl)eth	1.477	1.819	-23.2#	207#	0.00	4.66
15	T	o-cresol	1.107	1.157	-4.5	170	0.00	4.63
16	T	Acetophenone	1.828	1.818	0.5	166	0.00	4.76
17	T	Hexachloroethane	0.565	0.565	0.0	169	0.00	4.84
18	P	N-Nitroso-di-n-propylamin	0.859	0.919	-7.0	184	0.00	4.78
19	T	m+p-cresols	1.213	1.283	-5.8	175	0.00	4.75
20		4-methylphenol	1.213	1.283	-5.8	175	0.00	4.75
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	103	0.00	4.42
22		Benzaldehyde	1.023	0.918	10.3	92	0.00	4.09
23	I	Naphthalene-d8	1.000	1.000	0.0	179	0.00	5.48
24	S	Nitrobenzene-d5	0.382	0.367	3.9	173	0.00	4.89
25	T	Nitrobenzene	0.386	0.355	8.0	167	0.00	4.91
26	T	Isophorone	0.643	0.609	5.3	168	0.00	5.10
27	C	2-Nitrophenol	0.184	0.181	1.6	171	0.00	5.17
28	T	2,4-Dimethylphenol	0.341	0.340	0.3	174	0.00	5.19
29	T	bis(2-Chloroethoxy)methan	0.388	0.388	0.0	185	0.00	5.27
		----------	Amount	Calc.	%Drift	----------		
30	T	Benzoic acid	50.000	53.410	-6.8	204	0.01	5.27
		----------	AvgRF	CCRF	%Dev	----------		
31	C	2,4-Dichlorophenol	0.300	0.304	-1.3	174	0.00	5.37
32	M	1,2,4-Trichlorobenzene	0.334	0.336	-0.6	184	0.00	5.44
33	T	Naphthalene	1.044	1.032	1.1	176	0.00	5.50
34	T	2,6-Dichlorophenol	0.297	0.294	1.0	174	0.00	5.57
35	T	4-Chloroaniline	0.433	0.339	21.7#	139	0.00	5.55
36	C	Hexachlorobutadiene	0.208	0.200	3.8	170	0.00	5.65

Initial Calibration Verification

Job Number: MC23593 **Sample:** MSR1160-ICV1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31849.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

37	C	4-Chloro-3-methylphenol	0.290	0.291	-0.3	176	0.00	5.96
38	T	2-Methylnaphthalene	0.732	0.693	5.3	166	0.00	6.09
39	T	1-Methylnaphthalene	0.711	0.685	3.7	173	0.00	6.18
40	T	1,2,4,5-Tetrachlorobenzen	0.387	0.362	6.5	170	0.00	6.27
41	I	Naphthalene-d8a	1.000	1.000	0.0	110	0.00	5.48
		----------	Amount	Calc.	%Drift	----------		
42		Caprolactam	50.000	47.864	4.3	104	-0.02	5.83
		----------	AvgRF	CCRF	%Dev	----------		
43	I	Acenaphthene-d10	1.000	1.000	0.0	187	0.00	7.02
44	T	Pentachloronitrobenzene	0.170	0.160	5.9	170	0.00	8.41
45	P	Hexachlorocyclopentadiene	0.392	0.189	51.8#	87	0.00	6.29
46	C	2,4,6-Trichlorophenol	0.371	0.368	0.8	180	0.00	6.35
47	T	2,4,5-Trichlorophenol	0.391	0.403	-3.1	186	0.00	6.39
48	S	2-Fluorobiphenyl	1.331	1.314	1.3	185	0.00	6.42
49	T	2-Chloronaphthalene	1.068	1.066	0.2	189	0.00	6.51
50	M	Acenaphthylene	1.737	1.712	1.4	182	0.00	6.89
51	T	Dimethylphthalate	1.221	1.175	3.8	178	0.00	6.81
52	T	2,4-Dinitrotoluene	0.368	0.387	-5.2	193	0.00	7.22
53	C	Acenaphthene	1.124	1.102	2.0	182	0.00	7.05
54	P	2,4-Dinitrophenol	0.191	0.191	0.0	204#	0.00	7.08
55	T	Dibenzofuran	1.592	1.492	6.3	175	0.00	7.20
56	M	2,6-Dinitrotoluene	0.278	0.275	1.1	180	0.00	6.87
57	P	4-Nitrophenol	0.243	0.230	5.3	172	0.00	7.13
58	T	2,3,4,6-Tetrachlorophenol	0.334	0.337	-0.9	182	0.00	7.35
59	T	Fluorene	1.280	1.293	-1.0	187	0.00	7.52
60	T	4-Chlorophenyl-phenylethe	0.625	0.623	0.3	187	0.00	7.51
61	T	Diethylphthalate	1.216	1.249	-2.7	190	0.00	7.45
62	T	2-nitroaniline	0.340	0.342	-0.6	183	0.00	6.62
63	T	3-nitroaniline	0.303	0.228	24.8#	142	0.00	7.00
64	T	4-nitroaniline	0.300	0.288	4.0	181	0.00	7.57
65		Acenaphthene-d10a	1.000	1.000	0.0	118	0.00	7.02
66		1,1'-Biphenyl	1.461	1.348	7.7	107	0.00	6.50
67	I	Phenanthrene-d10	1.000	1.000	0.0	192	0.00	8.46
		----------	Amount	Calc.	%Drift	----------		
68	T	4,6-Dinitro-2-methylpheno	50.000	52.042	-4.1	203	0.00	7.61
		----------	AvgRF	CCRF	%Dev	----------		
69	C	n-Nitrosodiphenylamine	0.522	0.502	3.8	182	0.00	7.63
70	T	1,2-Diphenylhydrazine	0.678	0.650	4.1	183	0.00	7.67
71	S	2,4,6-Tribromophenol	0.120	0.122	-1.7	190	0.00	7.78
72	T	4-Bromophenyl-phenylether	0.216	0.204	5.6	177	0.00	7.99
73	T	Hexachlorobenzene	0.244	0.247	-1.2	192	0.00	8.15
74	C	Pentachlorophenol	0.158	0.161	-1.9	194	0.00	8.32
75	T	Phenanthrene	1.081	1.072	0.8	188	0.00	8.48
76	T	Anthracene	1.109	1.070	3.5	182	0.00	8.53
77	T	Carbazole	0.988	1.009	-2.1	187	0.00	8.70
78	T	Di-n-butylphthalate	1.196	1.193	0.3	186	0.00	9.12
79	C	Fluoranthene	1.140	1.222	-7.2	200	0.00	9.78
80	I	Phenanthrene-d10a	1.000	1.000	0.0	116	0.00	8.46
81		Atrazine	0.196	0.209	-6.6	113	0.00	8.18
82	I	Chrysene-d12	1.000	1.000	0.0	195	0.00	11.45

Initial Calibration Verification

Job Number: MC23593 **Sample:** MSR1160-ICV1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31849.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

83	T	Benzidine	0.366	0.442	-20.8#	223#	0.00	9.92
84	M	Pyrene	1.143	1.117	2.3	187	0.00	10.04
85	S	Terphenyl-d14	0.856	0.854	0.2	195	0.00	10.22
86		3,3-Dimethylbenzidine		----------NA----------				
87	T	Butylbenzylphthalate	0.473	0.471	0.4	184	0.00	10.83
		----------	Amount	Calc.	%Drift	----------		
88	T	3,3'-Dichlorobenzidine	50.000	35.699	28.6#	141	0.00	11.42
		----------	AvgRF	CCRF	%Dev	----------		
89	T	Benzo[a]anthracene	1.034	1.100	-6.4	202#	0.00	11.44
90	T	Chrysene	1.028	1.016	1.2	193	0.00	11.48
		----------	Amount	Calc.	%Drift	----------		
91	T	bis(2-Ethylhexyl)phthalat	50.000	49.309	1.4	196	0.00	11.54
		----------	AvgRF	CCRF	%Dev	----------		
92	I	Perylene-d12	1.000	1.000	0.0	192	0.00	13.06
		----------	Amount	Calc.	%Drift	----------		
93	C	Di-n-octylphthalate	50.000	52.011	-4.0	211	0.00	12.23
		----------	AvgRF	CCRF	%Dev	----------		
94	T	Benzo[b]fluoranthene	1.146	1.167	-1.8	187	0.00	12.65
95	T	Benzo[k]fluoranthene	1.117	1.167	-4.5	200	0.00	12.68
96	C	Benzo[a]pyrene	1.010	0.965	4.5	176	0.00	12.99
97	T	Indeno[1,2,3-cd]pyrene	1.261	1.273	-1.0	186	0.00	14.33
98	T	Dibenz[a,h]anthracene	1.018	1.028	-1.0	186	0.00	14.34
99	T	Benzo[g,h,i]perylene	1.047	1.057	-1.0	186	0.00	14.68
100		Naphthalene-d8b	1.000	1.000	0.0	110	0.00	5.48
		----------	Amount	Calc.	%Drift	----------		
101		o-Toluic Acid		----------NA----------				
102		m-Toluic Acid		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
103		p-Toluic Acid		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
R31842.D R130628_8270+.m Mon Jul 08 17:16:37 2013

8.7.2

8

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSR1199-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32871.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\R130821\R32871.D Vial: 100
Acq On : 21 Aug 2013 7:48 am Operator: kristinr
Sample : CC1159-80, TCL11 Inst : MSR
Misc : OP34233,MSR1199,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\met...\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Fri Jul 12 11:59:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	-0.08	4.15
2		N-nitrosodimethylamine		-----	NA	-----		
3	T	Pyridine		-----	NA	-----		
4	T	Aniline		-----	NA	-----		
5	S	2-Fluorophenol		-----	NA	-----		
6	T	bis(2-Chloroethyl)ether		-----	NA	-----		
7	S	Phenol-d5		-----	NA	-----		
8	C	Phenol		-----	NA	-----		
9	M	2-Chlorophenol		-----	NA	-----		
10	T	1,3-Dichlorobenzene		-----	NA	-----		
11	C	1,4-Dichlorobenzene		-----	NA	-----		
12	T	1,2-Dichlorobenzene		-----	NA	-----		
13	T	Benzyl alcohol		-----	NA	-----		
14	T	bis(2-chloroisopropyl)eth		-----	NA	-----		
15	T	o-cresol		-----	NA	-----		
16	T	Acetophenone		-----	NA	-----		
17	T	Hexachloroethane		-----	NA	-----		
18	P	N-Nitroso-di-n-propylamin		-----	NA	-----		
19	T	m+p-cresols		-----	NA	-----		
20		4-methylphenol		-----	NA	-----		
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	73	-0.08	4.15
22		Benzaldehyde	0.987	1.024	-3.7	72	-0.09	3.82
23	I	Naphthalene-d8	1.000	1.000	0.0	97	-0.08	5.21
24	S	Nitrobenzene-d5		-----	NA	-----		
25	T	Nitrobenzene		-----	NA	-----		
26	T	Isophorone		-----	NA	-----		
27	C	2-Nitrophenol		-----	NA	-----		
28	T	2,4-Dimethylphenol		-----	NA	-----		
29	T	bis(2-Chloroethoxy)methan		-----	NA	-----		
		-----	Amount	Calc.	%Drift	-----		
30	T	Benzoic acid		-----	NA	-----		
		-----	AvgRF	CCRF	%Dev	-----		
31	C	2,4-Dichlorophenol		-----	NA	-----		
32	M	1,2,4-Trichlorobenzene		-----	NA	-----		
33	T	Naphthalene		-----	NA	-----		
34	T	2,6-Dichlorophenol		-----	NA	-----		
35	T	4-Chloroaniline		-----	NA	-----		
36	C	Hexachlorobutadiene		-----	NA	-----		

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSR1199-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32871.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

37	C	4-Chloro-3-methylphenol		----------NA----------				
38	T	2-Methylnaphthalene		----------NA----------				
39	T	1-Methylnaphthalene		----------NA----------				
40	T	1,2,4,5-Tetrachlorobenzen		----------NA----------				
41	I	Naphthalene-d8a	1.000	1.000	0.0	71	-0.08	5.21
		---------- Amount	Calc.	%Drift	----------			
42		Caprolactam	80.000	81.202	-1.5	73	-0.09	5.55
		---------- AvgRF	CCRF	%Dev	----------			
43	I	Acenaphthene-d10	1.000	1.000	0.0	95	-0.08	6.74
44	T	Pentachloronitrobenzene		----------NA----------				
45	P	Hexachlorocyclopentadiene		----------NA----------				
46	C	2,4,6-Trichlorophenol		----------NA----------				
47	T	2,4,5-Trichlorophenol		----------NA----------				
48	S	2-Fluorobiphenyl		----------NA----------				
49	T	2-Chloronaphthalene		----------NA----------				
50	M	Acenaphthylene		----------NA----------				
51	T	Dimethylphthalate		----------NA----------				
52	T	2,4-Dinitrotoluene		----------NA----------				
53	C	Acenaphthene		----------NA----------				
54	P	2,4-Dinitrophenol		----------NA----------				
55	T	Dibenzofuran		----------NA----------				
56	M	2,6-Dinitrotoluene		----------NA----------				
57	P	4-Nitrophenol		----------NA----------				
58	T	2,3,4,6-Tetrachlorophenol		----------NA----------				
59	T	Fluorene		----------NA----------				
60	T	4-Chlorophenyl-phenylethe		----------NA----------				
61	T	Diethylphthalate		----------NA----------				
62	T	2-nitroaniline		----------NA----------				
63	T	3-nitroaniline		----------NA----------				
64	T	4-nitroaniline		----------NA----------				
65		Acenaphthene-d10a	1.000	1.000	0.0	68	-0.08	6.74
66		1,1'-Biphenyl	1.461	1.417	3.0	66	-0.09	6.22
67	I	Phenanthrene-d10	1.000	1.000	0.0	93	-0.09	8.13
		---------- Amount	Calc.	%Drift	----------			
68	T	4,6-Dinitro-2-methylpheno		----------NA----------				
		---------- AvgRF	CCRF	%Dev	----------			
69	C	n-Nitrosodiphenylamine		----------NA----------				
70	T	1,2-Diphenylhydrazine		----------NA----------				
71	S	2,4,6-Tribromophenol		----------NA----------				
72	T	4-Bromophenyl-phenylether		----------NA----------				
73	T	Hexachlorobenzene		----------NA----------				
74	C	Pentachlorophenol		----------NA----------				
75	T	Phenanthrene		----------NA----------				
76	T	Anthracene		----------NA----------				
77	T	Carbazole		----------NA----------				
78	T	Di-n-butylphthalate		----------NA----------				
79	C	Fluoranthene		----------NA----------				
80	I	Phenanthrene-d10a	1.000	1.000	0.0	65	-0.09	8.13
81		Atrazine	0.196	0.215	-9.7	66	-0.07	7.89
82	I	Chrysene-d12	1.000	1.000	0.0	97	-0.10	11.10

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSR1199-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32871.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

83	T	Benzidine			NA			
84	M	Pyrene			NA			
85	S	Terphenyl-d14			NA			
86		3,3-Dimethylbenzidine			NA			
87	T	Butylbenzylphthalate			NA			
			Amount	Calc.	%Drift			
88	T	3,3'-Dichlorobenzidine			NA			
			AvgRF	CCRF	%Dev			
89	T	Benzo[a]anthracene			NA			
90	T	Chrysene			NA			
			Amount	Calc.	%Drift			
91	T	bis(2-Ethylhexyl)phthalat			NA			
			AvgRF	CCRF	%Dev			
92	I	Perylene-d12	1.000	1.000	0.0	92	-0.10	12.69
			Amount	Calc.	%Drift			
93	C	Di-n-octylphthalate			NA			
			AvgRF	CCRF	%Dev			
94	T	Benzo[b]fluoranthene			NA			
95	T	Benzo[k]fluoranthene			NA			
96	C	Benzo[a]pyrene			NA			
97	T	Indeno[1,2,3-cd]pyrene			NA			
98	T	Dibenz[a,h]anthracene			NA			
99	T	Benzo[g,h,i]perylene			NA			
100		Naphthalene-d8b	1.000	1.000	0.0	71	-0.08	5.21
			Amount	Calc.	%Drift			
101		o-Toluic Acid			NA			
102		m-Toluic Acid			NA			
			AvgRF	CCRF	%Dev			
103		p-Toluic Acid			NA			

(#) = Out of Range SPCC's out = 4 CCC's out = 13
R31843.D R130628_8270+.m Mon Aug 26 10:38:58 2013

8.7.3

8

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSR1199-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32872.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\R130821\R32872.D Vial: 100
Acq On : 21 Aug 2013 8:10 am Operator: kristinr
Sample : CC1159-50 Inst : MSR
Misc : OP34233,MSR1199,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\met...\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Fri Jul 12 11:59:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	-0.08	4.15
2		N-nitrosodimethylamine	0.786	0.712	9.4	76	-0.15	2.29
3	T	Pyridine	1.430	1.302	9.0	76	-0.15	2.31
4	T	Aniline	1.822	1.948	-6.9	88	-0.08	3.93
5	S	2-Fluorophenol	1.213	1.141	5.9	78	-0.08	3.23
6	T	bis(2-Chloroethyl)ether	0.865	0.866	-0.1	83	-0.08	3.96
7	S	Phenol-d5	1.535	1.390	9.4	77	-0.05	3.91
8	C	Phenol	1.528	1.686	-10.3	92	-0.05	3.92
9	M	2-Chlorophenol	1.287	1.322	-2.7	84	-0.07	4.02
10	T	1,3-Dichlorobenzene	1.456	1.439	1.2	83	-0.07	4.13
11	C	1,4-Dichlorobenzene	1.515	1.474	2.7	80	-0.08	4.16
12	T	1,2-Dichlorobenzene	1.357	1.375	-1.3	82	-0.07	4.32
13	T	Benzyl alcohol	0.828	0.811	2.1	79	-0.06	4.28
14	T	bis(2-chloroisopropyl)eth	1.477	1.614	-9.3	90	-0.06	4.39
15	T	o-cresol	1.107	1.121	-1.3	81	-0.04	4.39
16	T	Acetophenone	1.828	1.645	10.0	73	-0.06	4.49
17	T	Hexachloroethane	0.565	0.539	4.6	79	-0.06	4.57
18	P	N-Nitroso-di-n-propylamin	0.859	0.760	11.5	74	-0.06	4.51
19	T	m+p-cresols	1.213	1.177	3.0	78	-0.03	4.51
20		4-methylphenol	1.213	1.177	3.0	78	-0.03	4.51
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	50	-0.08	4.15
22		Benzaldehyde	----------NA----------					
23	I	Naphthalene-d8	1.000	1.000	0.0	80	-0.08	5.21
24	S	Nitrobenzene-d5	0.382	0.357	6.5	76	-0.09	4.62
25	T	Nitrobenzene	0.386	0.346	10.4	73	-0.10	4.63
26	T	Isophorone	0.643	0.633	1.6	78	-0.09	4.83
27	C	2-Nitrophenol	0.184	0.190	-3.3	81	-0.08	4.91
28	T	2,4-Dimethylphenol	0.341	0.354	-3.8	81	-0.07	4.93
29	T	bis(2-Chloroethoxy)methan	0.388	0.388	0.0	83	-0.07	5.01
		----------	Amount	Calc.	%Drift	----------		
30	T	Benzoic acid	50.000	45.365	9.3	77	-0.04	5.03
		----------	AvgRF	CCRF	%Dev	----------		
31	C	2,4-Dichlorophenol	0.300	0.320	-6.7	82	-0.07	5.11
32	M	1,2,4-Trichlorobenzene	0.334	0.334	0.0	82	-0.08	5.17
33	T	Naphthalene	1.044	1.033	1.1	79	-0.08	5.22
34	T	2,6-Dichlorophenol	0.297	0.316	-6.4	84	-0.06	5.30
35	T	4-Chloroaniline	0.433	0.437	-0.9	80	-0.07	5.29
36	C	Hexachlorobutadiene	0.208	0.204	1.9	78	-0.07	5.38

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSR1199-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32872.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

37	C	4-Chloro-3-methylphenol	0.290	0.295	-1.7	80	-0.03	5.71
38	T	2-Methylnaphthalene	0.732	0.705	3.7	76	-0.06	5.82
39	T	1-Methylnaphthalene	0.711	0.653	8.2	74	-0.05	5.91
40	T	1,2,4,5-Tetrachlorobenzen	0.387	0.369	4.7	78	-0.06	5.99
41	I	Naphthalene-d8a	1.000	1.000	0.0	49#	-0.08	5.21
		----------	Amount	Calc.	%Drift	----------		
42		Caprolactam		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
43	I	Acenaphthene-d10	1.000	1.000	0.0	80	-0.08	6.73
44	T	Pentachloronitrobenzene	0.170	0.152	10.6	69	-0.02	8.09
45	P	Hexachlorocyclopentadiene	0.392	0.304	22.4#	60	-0.08	6.01
46	C	2,4,6-Trichlorophenol	0.371	0.392	-5.7	82	-0.08	6.09
47	T	2,4,5-Trichlorophenol	0.391	0.430	-10.0	85	-0.08	6.12
48	S	2-Fluorobiphenyl	1.331	1.309	1.7	79	-0.08	6.15
49	T	2-Chloronaphthalene	1.068	1.091	-2.2	82	-0.08	6.23
50	M	Acenaphthylene	1.737	1.690	2.7	77	-0.08	6.61
51	T	Dimethylphthalate	1.221	1.230	-0.7	80	-0.08	6.53
52	T	2,4-Dinitrotoluene	0.368	0.352	4.3	75	-0.08	6.94
53	C	Acenaphthene	1.124	1.109	1.3	78	-0.08	6.76
54	P	2,4-Dinitrophenol	0.191	0.146	23.6#	66	-0.08	6.81
55	T	Dibenzofuran	1.592	1.610	-1.1	81	-0.08	6.91
56	M	2,6-Dinitrotoluene	0.278	0.264	5.0	74	-0.08	6.59
57	P	4-Nitrophenol	0.243	0.218	10.3	69	-0.06	6.89
58	T	2,3,4,6-Tetrachlorophenol	0.334	0.322	3.6	74	-0.08	7.06
59	T	Fluorene	1.280	1.258	1.7	78	-0.09	7.22
60	T	4-Chlorophenyl-phenylethe	0.625	0.657	-5.1	84	-0.08	7.22
61	T	Diethylphthalate	1.216	1.273	-4.7	83	-0.08	7.16
62	T	2-nitroaniline	0.340	0.353	-3.8	80	-0.08	6.35
63	T	3-nitroaniline	0.303	0.298	1.7	79	-0.08	6.72
64	T	4-nitroaniline	0.300	0.305	-1.7	82	-0.08	7.28
65		Acenaphthene-d10a	1.000	1.000	0.0	51	-0.08	6.73
66		1,1'-Biphenyl		----------NA----------				
67	I	Phenanthrene-d10	1.000	1.000	0.0	78	-0.09	8.13
		----------	Amount	Calc.	%Drift	----------		
68	T	4,6-Dinitro-2-methylpheno	50.000	46.418	7.2	73	-0.08	7.32
		----------	AvgRF	CCRF	%Dev	----------		
69	C	n-Nitrosodiphenylamine	0.522	0.541	-3.6	79	-0.09	7.33
70	T	1,2-Diphenylhydrazine	0.678	0.692	-2.1	79	-0.09	7.37
71	S	2,4,6-Tribromophenol	0.120	0.114	5.0	71	-0.09	7.47
72	T	4-Bromophenyl-phenylether	0.216	0.220	-1.9	77	-0.09	7.68
73	T	Hexachlorobenzene	0.244	0.237	2.9	75	-0.09	7.83
74	C	Pentachlorophenol	0.158	0.134	15.2	66	-0.08	8.02
75	T	Phenanthrene	1.081	1.115	-3.1	79	-0.10	8.16
76	T	Anthracene	1.109	1.186	-6.9	81	-0.09	8.21
77	T	Carbazole	0.988	1.098	-11.1	82	-0.08	8.38
78	T	Di-n-butylphthalate	1.196	1.390	-16.2	88	-0.07	8.80
79	C	Fluoranthene	1.140	1.263	-10.8	83	-0.08	9.44
80	I	Phenanthrene-d10a	1.000	1.000	0.0	47#	-0.09	8.13
81		Atrazine		----------NA----------				
82	I	Chrysene-d12	1.000	1.000	0.0	80	-0.10	11.10

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSR1199-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32872.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

83	T	Benzidine	0.366	0.510	-39.3#	106	-0.11	9.59
84	M	Pyrene	1.143	1.146	-0.3	79	-0.13	9.69
85	S	Terphenyl-d14	0.856	0.806	5.8	76	-0.12	9.88
86		3,3-Dimethylbenzidine	0.471	0.554	-17.6	92	-0.10	10.45
87	T	Butylbenzylphthalate	0.473	0.486	-2.7	78	-0.10	10.49
			Amount	Calc.	%Drift			
88	T	3,3'-Dichlorobenzidine	50.000	49.768	0.5	82	-0.09	11.08
			AvgRF	CCRF	%Dev			
89	T	Benzo[a]anthracene	1.034	1.057	-2.2	80	-0.10	11.08
90	T	Chrysene	1.028	1.055	-2.6	83	-0.10	11.13
			Amount	Calc.	%Drift			
91	T	bis(2-Ethylhexyl)phthalat	50.000	48.872	2.3	80	-0.08	11.21
			AvgRF	CCRF	%Dev			
92	I	Perylene-d12	1.000	1.000	0.0	77	-0.10	12.69
			Amount	Calc.	%Drift			
93	C	Di-n-octylphthalate	50.000	55.130	-10.3	91	-0.09	11.90
			AvgRF	CCRF	%Dev			
94	T	Benzo[b]fluoranthene	1.146	1.155	-0.8	75	-0.10	12.29
95	T	Benzo[k]fluoranthene	1.117	1.138	-1.9	79	-0.10	12.32
96	C	Benzo[a]pyrene	1.010	1.080	-6.9	79	-0.10	12.63
97	T	Indeno[1,2,3-cd]pyrene	1.261	1.272	-0.9	75	-0.21	13.83
98	T	Dibenz[a,h]anthracene	1.018	1.019	-0.1	75	-0.21	13.84
99	T	Benzo[g,h,i]perylene	1.047	1.065	-1.7	76	-0.25	14.14
100		Naphthalene-d8b	1.000	1.000	0.0	49#	-0.08	5.21
			Amount	Calc.	%Drift			
101		o-Toluic Acid		----------NA----------				
102		m-Toluic Acid		----------NA----------				
			AvgRF	CCRF	%Dev			
103		p-Toluic Acid		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
R31842.D R130628_8270+.m Mon Aug 26 10:39:32 2013

8.7.4

8

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSR1200-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32890.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\R130821\R32890.D Vial: 100
Acq On : 21 Aug 2013 4:11 pm Operator: kristinr
Sample : CC1159-80, TCL11 Inst : MSR
Misc : OP34233,MSR1200,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\met...\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Fri Jul 12 11:59:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	-0.08	4.15
2		N-nitrosodimethylamine		----------NA----------				
3	T	Pyridine		----------NA----------				
4	T	Aniline		----------NA----------				
5	S	2-Fluorophenol		----------NA----------				
6	T	bis(2-Chloroethyl)ether		----------NA----------				
7	S	Phenol-d5		----------NA----------				
8	C	Phenol		----------NA----------				
9	M	2-Chlorophenol		----------NA----------				
10	T	1,3-Dichlorobenzene		----------NA----------				
11	C	1,4-Dichlorobenzene		----------NA----------				
12	T	1,2-Dichlorobenzene		----------NA----------				
13	T	Benzyl alcohol		----------NA----------				
14	T	bis(2-chloroisopropyl)eth		----------NA----------				
15	T	o-cresol		----------NA----------				
16	T	Acetophenone		----------NA----------				
17	T	Hexachloroethane		----------NA----------				
18	P	N-Nitroso-di-n-propylamin		----------NA----------				
19	T	m+p-cresols		----------NA----------				
20		4-methylphenol		----------NA----------				
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	67	-0.08	4.15
22		Benzaldehyde	0.987	1.034	-4.8	68	-0.09	3.82
23	I	Naphthalene-d8	1.000	1.000	0.0	95	-0.08	5.21
24	S	Nitrobenzene-d5		----------NA----------				
25	T	Nitrobenzene		----------NA----------				
26	T	Isophorone		----------NA----------				
27	C	2-Nitrophenol		----------NA----------				
28	T	2,4-Dimethylphenol		----------NA----------				
29	T	bis(2-Chloroethoxy)methan		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
30	T	Benzoic acid		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
31	C	2,4-Dichlorophenol		----------NA----------				
32	M	1,2,4-Trichlorobenzene		----------NA----------				
33	T	Naphthalene		----------NA----------				
34	T	2,6-Dichlorophenol		----------NA----------				
35	T	4-Chloroaniline		----------NA----------				
36	C	Hexachlorobutadiene		----------NA----------				

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSR1200-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32890.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

37	C	4-Chloro-3-methylphenol		----------NA----------				
38	T	2-Methylnaphthalene		----------NA----------				
39	T	1-Methylnaphthalene		----------NA----------				
40	T	1,2,4,5-Tetrachlorobenzen		----------NA----------				
41	I	Naphthalene-d8a	1.000	1.000	0.0	69	-0.08	5.21
		---------- Amount	Calc.	%Drift	----------			
42		Caprolactam	80.000	77.404	3.2	68	-0.10	5.54
		---------- AvgRF	CCRF	%Dev	----------			
43	I	Acenaphthene-d10	1.000	1.000	0.0	92	-0.08	6.73
44	T	Pentachloronitrobenzene		----------NA----------				
45	P	Hexachlorocyclopentadiene		----------NA----------				
46	C	2,4,6-Trichlorophenol		----------NA----------				
47	T	2,4,5-Trichlorophenol		----------NA----------				
48	S	2-Fluorobiphenyl		----------NA----------				
49	T	2-Chloronaphthalene		----------NA----------				
50	M	Acenaphthylene		----------NA----------				
51	T	Dimethylphthalate		----------NA----------				
52	T	2,4-Dinitrotoluene		----------NA----------				
53	C	Acenaphthene		----------NA----------				
54	P	2,4-Dinitrophenol		----------NA----------				
55	T	Dibenzofuran		----------NA----------				
56	M	2,6-Dinitrotoluene		----------NA----------				
57	P	4-Nitrophenol		----------NA----------				
58	T	2,3,4,6-Tetrachlorophenol		----------NA----------				
59	T	Fluorene		----------NA----------				
60	T	4-Chlorophenyl-phenylethe		----------NA----------				
61	T	Diethylphthalate		----------NA----------				
62	T	2-nitroaniline		----------NA----------				
63	T	3-nitroaniline		----------NA----------				
64	T	4-nitroaniline		----------NA----------				
65		Acenaphthene-d10a	1.000	1.000	0.0	65	-0.08	6.73
66		1,1'-Biphenyl	1.461	1.413	3.3	63	-0.09	6.22
67	I	Phenanthrene-d10	1.000	1.000	0.0	92	-0.09	8.13
		---------- Amount	Calc.	%Drift	----------			
68	T	4,6-Dinitro-2-methylpheno		----------NA----------				
		---------- AvgRF	CCRF	%Dev	----------			
69	C	n-Nitrosodiphenylamine		----------NA----------				
70	T	1,2-Diphenylhydrazine		----------NA----------				
71	S	2,4,6-Tribromophenol		----------NA----------				
72	T	4-Bromophenyl-phenylether		----------NA----------				
73	T	Hexachlorobenzene		----------NA----------				
74	C	Pentachlorophenol		----------NA----------				
75	T	Phenanthrene		----------NA----------				
76	T	Anthracene		----------NA----------				
77	T	Carbazole		----------NA----------				
78	T	Di-n-butylphthalate		----------NA----------				
79	C	Fluoranthene		----------NA----------				
80	I	Phenanthrene-d10a	1.000	1.000	0.0	65	-0.09	8.13
81		Atrazine	0.196	0.213	-8.7	65	-0.08	7.88
82	I	Chrysene-d12	1.000	1.000	0.0	93	-0.10	11.10

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSR1200-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32890.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

83	T	Benzidine			NA			
84	M	Pyrene			NA			
85	S	Terphenyl-d14			NA			
86		3,3-Dimethylbenzidine			NA			
87	T	Butylbenzylphthalate			NA			
			Amount	Calc.	%Drift			
88	T	3,3'-Dichlorobenzidine			NA			
			AvgRF	CCRF	%Dev			
89	T	Benzo[a]anthracene			NA			
90	T	Chrysene			NA			
			Amount	Calc.	%Drift			
91	T	bis(2-Ethylhexyl)phthalat			NA			
			AvgRF	CCRF	%Dev			
92	I	Perylene-d12	1.000	1.000	0.0	88	-0.11	12.68
			Amount	Calc.	%Drift			
93	C	Di-n-octylphthalate			NA			
			AvgRF	CCRF	%Dev			
94	T	Benzo[b]fluoranthene			NA			
95	T	Benzo[k]fluoranthene			NA			
96	C	Benzo[a]pyrene			NA			
97	T	Indeno[1,2,3-cd]pyrene			NA			
98	T	Dibenz[a,h]anthracene			NA			
99	T	Benzo[g,h,i]perylene			NA			
100		Naphthalene-d8b	1.000	1.000	0.0	69	-0.08	5.21
			Amount	Calc.	%Drift			
101		o-Toluic Acid			NA			
102		m-Toluic Acid			NA			
			AvgRF	CCRF	%Dev			
103		p-Toluic Acid			NA			

(#) = Out of Range SPCC's out = 4 CCC's out = 13
R31843.D R130628_8270+.m Mon Aug 26 11:44:04 2013

8.7.5

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Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSR1200-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32891.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\R130821\R32891.D Vial: 100
Acq On : 21 Aug 2013 4:30 pm Operator: kristinr
Sample : CC1159-50 Inst : MSR
Misc : OP34233,MSR1200,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\met...\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Fri Jul 12 11:59:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	-0.08	4.15
2		N-nitrosodimethylamine	0.786	0.744	5.3	89	-0.15	2.29
3	T	Pyridine	1.430	1.337	6.5	88	-0.15	2.31
4	T	Aniline	1.822	1.925	-5.7	98	-0.08	3.93
5	S	2-Fluorophenol	1.213	1.160	4.4	89	-0.09	3.23
6	T	bis(2-Chloroethyl)ether	0.865	0.867	-0.2	94	-0.08	3.96
7	S	Phenol-d5	1.535	1.382	10.0	87	-0.06	3.91
8	C	Phenol	1.528	1.639	-7.3	101	-0.05	3.92
9	M	2-Chlorophenol	1.287	1.301	-1.1	94	-0.07	4.02
10	T	1,3-Dichlorobenzene	1.456	1.432	1.6	93	-0.07	4.13
11	C	1,4-Dichlorobenzene	1.515	1.477	2.5	91	-0.08	4.16
12	T	1,2-Dichlorobenzene	1.357	1.397	-2.9	94	-0.07	4.32
13	T	Benzyl alcohol	0.828	0.655	20.9#	72	-0.06	4.28
14	T	bis(2-chloroisopropyl)eth	1.477	1.596	-8.1	100	-0.06	4.39
15	T	o-cresol	1.107	1.157	-4.5	94	-0.05	4.38
16	T	Acetophenone	1.828	1.671	8.6	84	-0.06	4.49
17	T	Hexachloroethane	0.565	0.542	4.1	90	-0.07	4.56
18	P	N-Nitroso-di-n-propylamin	0.859	0.772	10.1	85	-0.06	4.51
19	T	m+p-cresols	1.213	1.187	2.1	89	-0.04	4.50
20		4-methylphenol	1.213	1.187	2.1	89	-0.04	4.50
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	57	-0.08	4.15
22		Benzaldehyde	----------NA----------					
23	I	Naphthalene-d8	1.000	1.000	0.0	94	-0.08	5.21
24	S	Nitrobenzene-d5	0.382	0.348	8.9	87	-0.09	4.62
25	T	Nitrobenzene	0.386	0.337	12.7	84	-0.10	4.63
26	T	Isophorone	0.643	0.600	6.7	87	-0.09	4.82
27	C	2-Nitrophenol	0.184	0.190	-3.3	95	-0.08	4.91
28	T	2,4-Dimethylphenol	0.341	0.338	0.9	91	-0.07	4.93
29	T	bis(2-Chloroethoxy)methan	0.388	0.365	5.9	92	-0.08	5.01
		----------	Amount	Calc.	%Drift	----------		
30	T	Benzoic acid	50.000	43.352	13.3	86	-0.06	5.02
		----------	AvgRF	CCRF	%Dev	----------		
31	C	2,4-Dichlorophenol	0.300	0.309	-3.0	94	-0.07	5.11
32	M	1,2,4-Trichlorobenzene	0.334	0.329	1.5	95	-0.08	5.17
33	T	Naphthalene	1.044	0.983	5.8	89	-0.08	5.22
34	T	2,6-Dichlorophenol	0.297	0.302	-1.7	94	-0.07	5.29
35	T	4-Chloroaniline	0.433	0.424	2.1	92	-0.07	5.29
36	C	Hexachlorobutadiene	0.208	0.195	6.2	88	-0.07	5.38

Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSR1200-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32891.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

37	C	4-Chloro-3-methylphenol	0.290	0.294	-1.4	94	-0.04	5.71
38	T	2-Methylnaphthalene	0.732	0.674	7.9	85	-0.06	5.81
39	T	1-Methylnaphthalene	0.711	0.628	11.7	84	-0.06	5.91
40	T	1,2,4,5-Tetrachlorobenzen	0.387	0.365	5.7	90	-0.06	5.99
41	I	Naphthalene-d8a	1.000	1.000	0.0	58	-0.08	5.21
		----------	Amount	Calc.	%Drift		----------	
42		Caprolactam		----------NA----------				
		----------	AvgRF	CCRF	%Dev		----------	
43	I	Acenaphthene-d10	1.000	1.000	0.0	88	-0.08	6.73
44	T	Pentachloronitrobenzene	0.170	0.171	-0.6	85	-0.03	8.08
45	P	Hexachlorocyclopentadiene	0.392	0.294	25.0#	64	-0.08	6.01
46	C	2,4,6-Trichlorophenol	0.371	0.406	-9.4	93	-0.09	6.08
47	T	2,4,5-Trichlorophenol	0.391	0.404	-3.3	88	-0.08	6.12
48	S	2-Fluorobiphenyl	1.331	1.342	-0.8	89	-0.08	6.15
49	T	2-Chloronaphthalene	1.068	1.102	-3.2	92	-0.09	6.23
50	M	Acenaphthylene	1.737	1.767	-1.7	88	-0.09	6.60
51	T	Dimethylphthalate	1.221	1.257	-2.9	90	-0.08	6.53
52	T	2,4-Dinitrotoluene	0.368	0.389	-5.7	91	-0.09	6.93
53	C	Acenaphthene	1.124	1.165	-3.6	90	-0.08	6.76
54	P	2,4-Dinitrophenol	0.191	0.137	28.3#	69	-0.08	6.81
55	T	Dibenzofuran	1.592	1.715	-7.7	95	-0.09	6.91
56	M	2,6-Dinitrotoluene	0.278	0.292	-5.0	90	-0.08	6.59
57	P	4-Nitrophenol	0.243	0.223	8.2	78	-0.07	6.88
58	T	2,3,4,6-Tetrachlorophenol	0.334	0.342	-2.4	86	-0.08	7.06
59	T	Fluorene	1.280	1.299	-1.5	88	-0.09	7.22
60	T	4-Chlorophenyl-phenylethe	0.625	0.693	-10.9	98	-0.08	7.22
61	T	Diethylphthalate	1.216	1.292	-6.3	92	-0.08	7.16
62	T	2-nitroaniline	0.340	0.371	-9.1	93	-0.08	6.35
63	T	3-nitroaniline	0.303	0.320	-5.6	94	-0.08	6.71
64	T	4-nitroaniline	0.300	0.319	-6.3	94	-0.09	7.28
65		Acenaphthene-d10a	1.000	1.000	0.0	56	-0.08	6.73
66		1,1'-Biphenyl		----------NA----------				
67	I	Phenanthrene-d10	1.000	1.000	0.0	90	-0.10	8.13
		----------	Amount	Calc.	%Drift		----------	
68	T	4,6-Dinitro-2-methylpheno	50.000	45.789	8.4	83	-0.09	7.31
		----------	AvgRF	CCRF	%Dev		----------	
69	C	n-Nitrosodiphenylamine	0.522	0.535	-2.5	91	-0.09	7.33
70	T	1,2-Diphenylhydrazine	0.678	0.668	1.5	88	-0.09	7.36
71	S	2,4,6-Tribromophenol	0.120	0.115	4.2	83	-0.09	7.47
72	T	4-Bromophenyl-phenylether	0.216	0.222	-2.8	90	-0.09	7.68
73	T	Hexachlorobenzene	0.244	0.238	2.5	87	-0.10	7.83
74	C	Pentachlorophenol	0.158	0.142	10.1	80	-0.09	8.01
75	T	Phenanthrene	1.081	1.153	-6.7	95	-0.10	8.15
76	T	Anthracene	1.109	1.162	-4.8	92	-0.09	8.20
77	T	Carbazole	0.988	1.064	-7.7	92	-0.09	8.37
78	T	Di-n-butylphthalate	1.196	1.313	-9.8	96	-0.07	8.80
79	C	Fluoranthene	1.140	1.247	-9.4	95	-0.08	9.43
80	I	Phenanthrene-d10a	1.000	1.000	0.0	54	-0.10	8.13
81		Atrazine		----------NA----------				
82	I	Chrysene-d12	1.000	1.000	0.0	93	-0.11	11.09

8.7.6

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Continuing Calibration Summary

Job Number: MC23593 **Sample:** MSR1200-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32891.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

83	T	Benzidine	0.366	0.535	-46.2#	129	-0.12	9.59
84	M	Pyrene	1.143	1.141	0.2	92	-0.13	9.69
85	S	Terphenyl-d14	0.856	0.801	6.4	87	-0.12	9.88
86		3,3-Dimethylbenzidine	0.471	0.583	-23.8#	112	-0.10	10.45
87	T	Butylbenzylphthalate	0.473	0.488	-3.2	91	-0.10	10.49
		----------	Amount	Calc.	%Drift	----------		
88	T	3,3'-Dichlorobenzidine	50.000	49.224	1.6	94	-0.10	11.07
		----------	AvgRF	CCRF	%Dev	----------		
89	T	Benzo[a]anthracene	1.034	1.025	0.9	90	-0.10	11.08
90	T	Chrysene	1.028	1.035	-0.7	94	-0.11	11.12
		----------	Amount	Calc.	%Drift	----------		
91	T	bis(2-Ethylhexyl)phthalat	50.000	47.752	4.5	91	-0.08	11.20
		----------	AvgRF	CCRF	%Dev	----------		
92	I	Perylene-d12	1.000	1.000	0.0	89	-0.11	12.68
		----------	Amount	Calc.	%Drift	----------		
93	C	Di-n-octylphthalate	50.000	54.015	-8.0	102	-0.09	11.90
		----------	AvgRF	CCRF	%Dev	----------		
94	T	Benzo[b]fluoranthene	1.146	1.119	2.4	83	-0.11	12.29
95	T	Benzo[k]fluoranthene	1.117	1.161	-3.9	92	-0.10	12.32
96	C	Benzo[a]pyrene	1.010	1.095	-8.4	92	-0.11	12.62
97	T	Indeno[1,2,3-cd]pyrene	1.261	1.260	0.1	86	-0.22	13.82
98	T	Dibenz[a,h]anthracene	1.018	1.048	-2.9	88	-0.22	13.83
99	T	Benzo[g,h,i]perylene	1.047	1.069	-2.1	87	-0.25	14.13
100		Naphthalene-d8b	1.000	1.000	0.0	58	-0.08	5.21
		----------	Amount	Calc.	%Drift	----------		
101		o-Toluic Acid		----------NA----------				
102		m-Toluic Acid		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
103		p-Toluic Acid		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
R31842.D R130628_8270+.m Tue Aug 27 09:57:50 2013

8.7.6

8

New England ACCUTEST LABORATORIES

GC/MS Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32902.D
Acq On : 21 Aug 2013 8:39 pm
Operator : kristinr
Sample : MC23593-1
Misc : OP34472,MSR1200,20.70,,,1,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 27 10:20:05 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

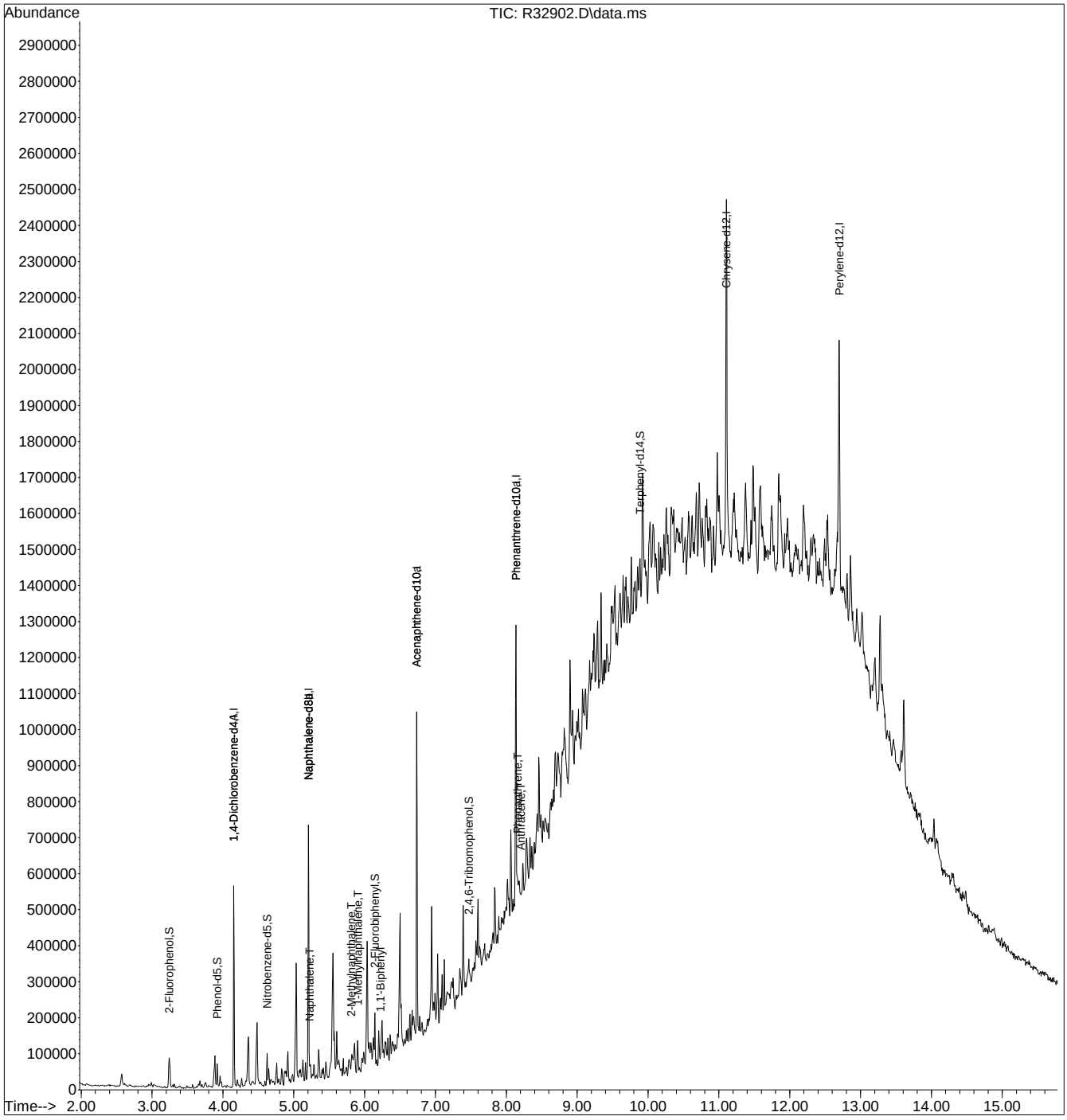
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.153	152	69505	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.153	152	69505	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	252097	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	252097	40.00	ppm	-0.08
43) Acenaphthene-d10	6.735	164	155095	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.735	164	155203	40.00	ppm	-0.08
67) Phenanthrene-d10	8.135	188	267441	40.00	ppm	-0.09
80) Phenanthrene-d10a	8.135	188	267441	40.00	ppm	-0.09
82) Chrysene-d12	11.105	240	306854	40.00	ppm	-0.10
92) Perylene-d12	12.699	264	273283	40.00	ppm	-0.09
100) Naphthalene-d8b	5.205	136	252097	40.00	ug/mL	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.241	112	14546	6.90	ppm	-0.07
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.90%#			
7) Phenol-d5	3.917	99	17490	6.56	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.56%#			
24) Nitrobenzene-d5	4.623	82	15617	6.48	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 12.96%#			
48) 2-Fluorobiphenyl	6.147	172	38565	7.47	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 14.94%#			
71) 2,4,6-Tribromophenol	7.470	330	6062	7.56	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 7.56%#			
85) Terphenyl-d14	9.887	244	51000	7.76	ppm	-0.11
Spiked Amount 50.000	Range 30 - 130		Recovery = 15.52%#			
Target Compounds						Qvalue
33) Naphthalene	5.223	128	7417	1.13	ppm	86
38) 2-Methylnaphthalene	5.811	142	3101	0.67	ppm	91
39) 1-Methylnaphthalene	5.905	142	1668	0.37	ppm	84
66) 1,1'-Biphenyl	6.223	154	2406	0.42	ppm	100
75) Phenanthrene	8.158	178	27831	3.85	ppm	98
76) Anthracene	8.205	178	2820	0.38	ppm	72

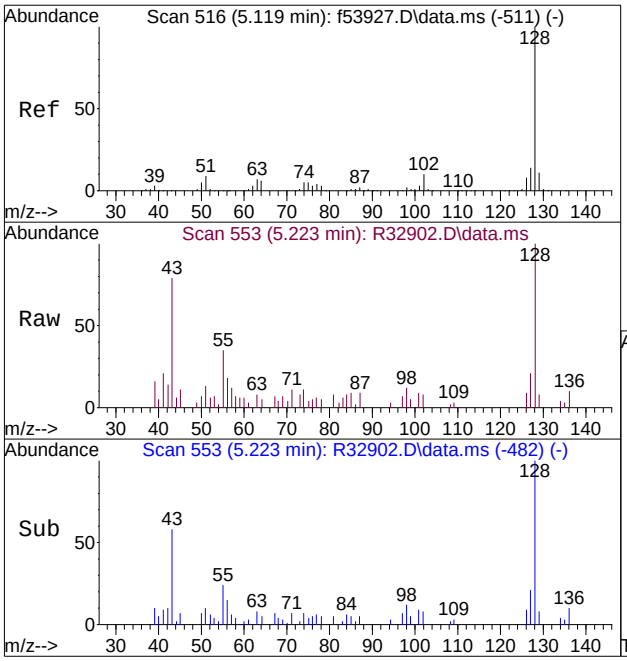
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32902.D
Acq On : 21 Aug 2013 8:39 pm
Operator : kristinr
Sample : MC23593-1
Misc : OP34472,MSR1200,20.70,,,1,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 27 10:20:05 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

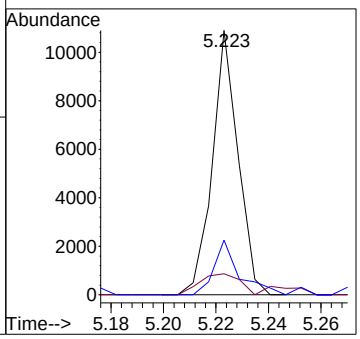


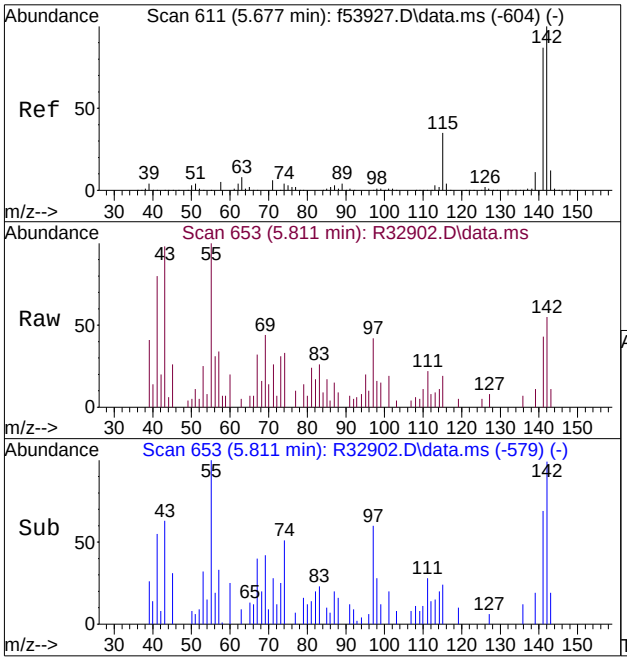


#33
Naphthalene
Concen: 1.13 ppm
RT: 5.223 min Scan# 553
Delta R.T. -0.083 min
Lab File: R32902.D
Acq: 21 Aug 2013 8:39 pm

Tgt Ion:128 Resp: 7417

Ion	Ratio	Lower	Upper
128	100		
129	8.0	0.0	40.1
127	20.6	0.0	42.3

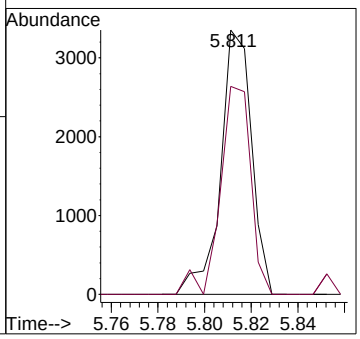


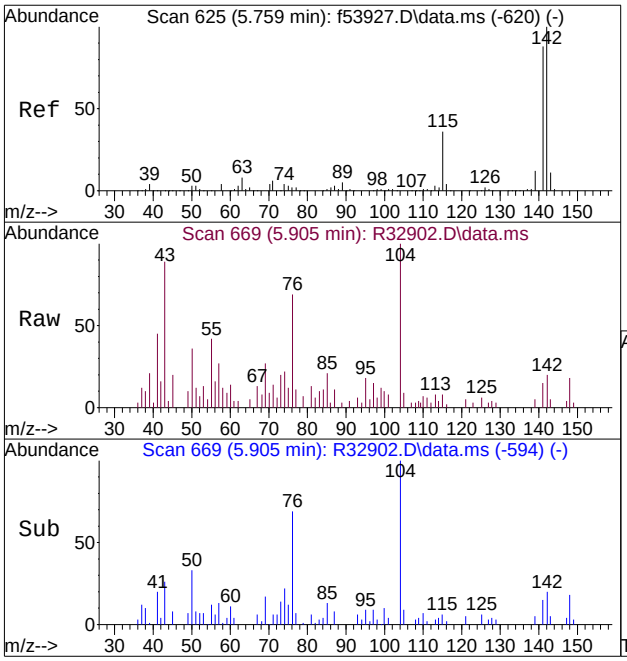


#38
2-Methylnaphthalene
Concen: 0.67 ppm
RT: 5.811 min Scan# 653
Delta R.T. -0.063 min
Lab File: R32902.D
Acq: 21 Aug 2013 8:39 pm

Tgt Ion:142 Resp: 3101

Ion	Ratio	Lower	Upper
142	100		
141	78.6	57.2	117.2

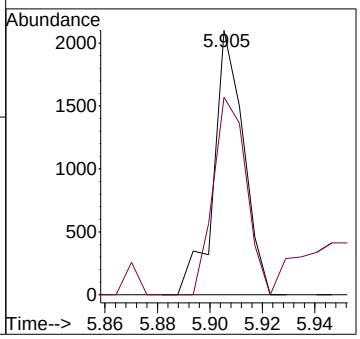


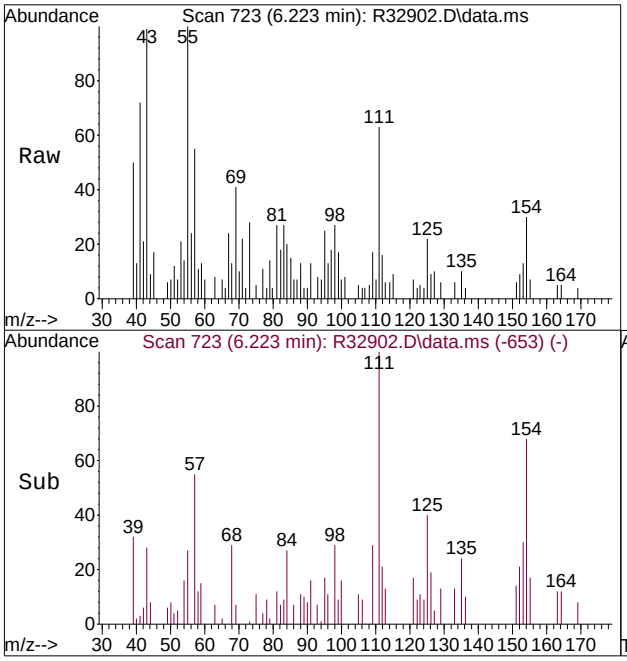


#39
1-Methylnaphthalene
Concen: 0.37 ppm
RT: 5.905 min Scan# 669
Delta R.T. -0.060 min
Lab File: R32902.D
Acq: 21 Aug 2013 8:39 pm

Tgt Ion:142 Resp: 1668

Ion	Ratio	Lower	Upper
142	100		
141	74.8	70.0	110.0

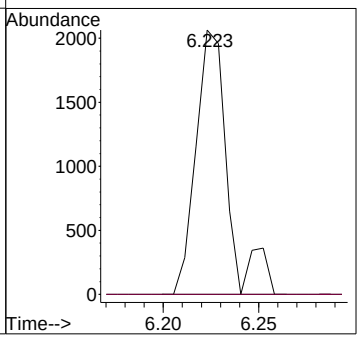


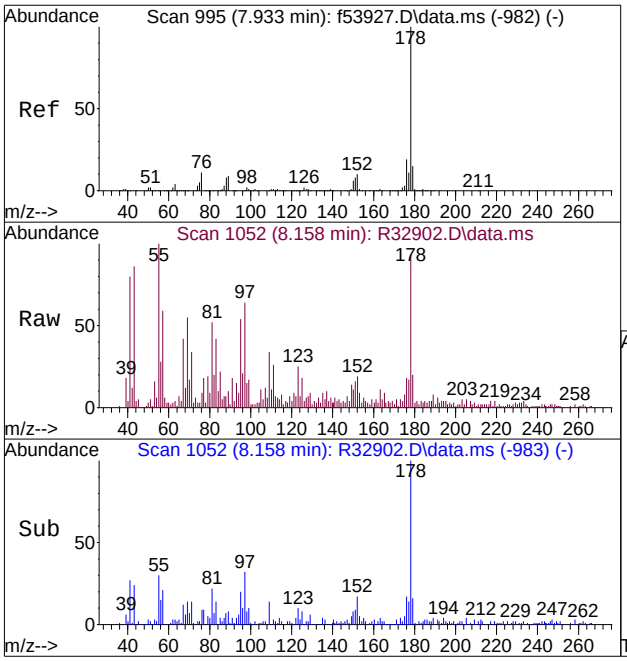


#66
1,1'-Biphenyl
Concen: 0.42 ppm
RT: 6.223 min Scan# 723
Delta R.T. -0.088 min
Lab File: R32902.D
Acq: 21 Aug 2013 8:39 pm

Tgt Ion:154 Resp: 2406

Ion	Ratio	Lower	Upper
154	100		
76	0.0	0.0	0.0

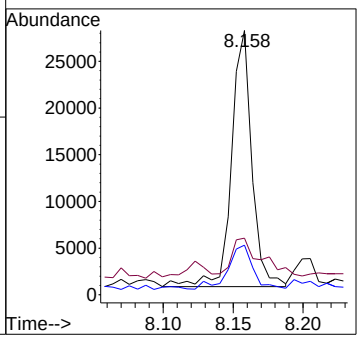


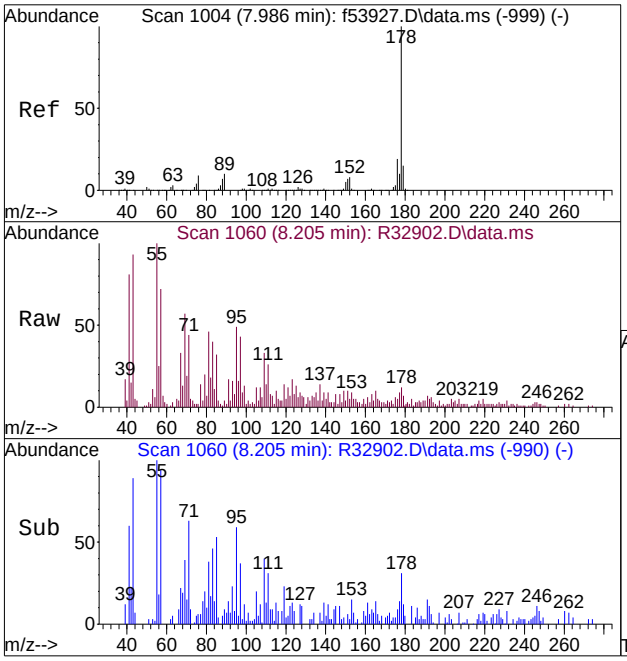


#75
Phenanthrene
Concen: 3.85 ppm
RT: 8.158 min Scan# 1052
Delta R.T. -0.096 min
Lab File: R32902.D
Acq: 21 Aug 2013 8:39 pm

Tgt Ion:178 Resp: 27831

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	45.2
176	16.8	0.0	48.6

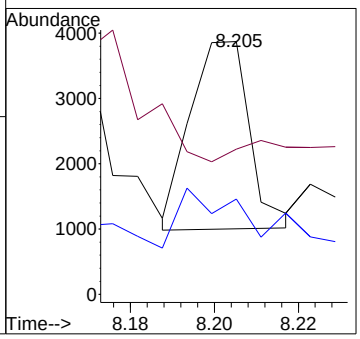




#76
Anthracene
Concen: 0.38 ppm
RT: 8.205 min Scan# 1060
Delta R.T. -0.089 min
Lab File: R32902.D
Acq: 21 Aug 2013 8:39 pm

Tgt Ion:178 Resp: 2820

Ion	Ratio	Lower	Upper
178	100		
179	0.0	0.0	45.9
176	27.6	0.0	48.6



LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32902.D
Acq On : 21 Aug 2013 8:39 pm
Operator : kristinr
Sample : MC23593-1
Misc : OP34472,MSR1200,20.70,,,1,5
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

Signal : TIC: R32902.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.570	96	102	108	rBV	34659	53694	2.46%	0.215%
2	2.953	158	167	171	rBV7	8518	18307	0.84%	0.073%
3	3.023	177	179	187	rVV6	8314	16990	0.78%	0.068%
4	3.241	211	216	222	rVV2	84448	115767	5.29%	0.464%
5	3.676	284	290	293	rBV4	17927	24128	1.10%	0.097%
6	3.758	298	304	308	rBV3	14100	24365	1.11%	0.098%
7	3.888	318	326	329	rBV	86537	107994	4.94%	0.433%
8	3.917	329	331	335	rVV	63035	49793	2.28%	0.199%
9	3.958	335	338	345	rVB2	31650	40002	1.83%	0.160%
10	4.153	365	371	377	rBV	560655	442180	20.22%	1.772%
11	4.205	377	380	386	rVB5	21226	28978	1.33%	0.116%
12	4.264	386	390	393	rBV2	26316	25617	1.17%	0.103%
13	4.358	393	406	412	rBV	138151	215972	9.88%	0.865%
14	4.417	412	416	421	rBV8	11022	23089	1.06%	0.093%
15	4.482	421	427	433	rBV	170964	205949	9.42%	0.825%
16	4.623	448	451	453	rBV	90453	70908	3.24%	0.284%
17	4.647	453	455	458	rVB	44645	34242	1.57%	0.137%
18	4.682	458	461	464	rBV4	14293	21905	1.00%	0.088%
19	4.758	469	474	477	rBV3	60571	62038	2.84%	0.249%
20	4.829	482	486	490	rVB2	46268	50047	2.29%	0.201%
21	4.888	490	496	498	rBV3	40378	80478	3.68%	0.322%
22	4.917	498	501	507	rVB	86962	91375	4.18%	0.366%
23	4.982	507	512	515	rBV3	23083	31325	1.43%	0.126%
24	5.035	515	521	526	rBV	329187	418353	19.13%	1.676%
25	5.094	526	531	533	rVV4	28348	48181	2.20%	0.193%
26	5.129	533	537	540	rVB2	59276	69400	3.17%	0.278%
27	5.164	540	543	546	rBV	51959	43635	2.00%	0.175%
28	5.205	546	550	558	rBV	708119	606398	27.73%	2.430%
29	5.282	558	563	566	rVB3	38589	42973	1.97%	0.172%
30	5.352	571	575	581	rBV2	80111	99533	4.55%	0.399%
31	5.417	581	586	589	rVB5	31604	44916	2.05%	0.180%
32	5.452	589	592	597	rBV3	48615	57189	2.62%	0.229%
33	5.552	599	609	615	rBV3	346047	606398	27.73%	2.430%
34	5.605	615	618	621	rBV2	105277	89261	4.08%	0.358%
35	5.635	621	623	631	rVB5	44547	80245	3.67%	0.322%
36	5.700	631	634	638	rBV	49284	45759	2.09%	0.183%
37	5.741	638	641	644	rVB2	24736	31202	1.43%	0.125%
38	5.782	644	648	652	rBV3	46627	87596	4.01%	0.351%
39	5.817	652	654	658	rBV4	41542	64403	2.95%	0.258%
40	5.858	658	661	665	rVB2	82845	92716	4.24%	0.371%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32902.D
Acq On : 21 Aug 2013 8:39 pm
Operator : kristinr
Sample : MC23593-1
Misc : OP34472,MSR1200,20.70,,,1,5
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

41	5.899	665	668	676	rBV3	90371	99059	4.53%	0.397%
42	5.964	676	679	681	rBV2	39454	54164	2.48%	0.217%
43	5.988	681	683	686	rVB3	34081	30386	1.39%	0.122%
44	6.035	686	691	698	rBV2	342144	436965	19.98%	1.751%
45	6.088	698	700	703	rVB2	46351	43170	1.97%	0.173%
46	6.147	703	710	716	rVB2	147131	217540	9.95%	0.872%
47	6.199	716	719	722	rBV2	97705	91272	4.17%	0.366%
48	6.247	722	727	732	rBV5	107128	145283	6.64%	0.582%
49	6.288	732	734	739	rBV4	45324	65377	2.99%	0.262%
50	6.329	739	741	744	rVB2	63269	45701	2.09%	0.183%
51	6.358	744	746	749	rBV2	72431	77362	3.54%	0.310%
52	6.394	749	752	757	rBV5	34768	59743	2.73%	0.239%
53	6.499	761	770	778	rBV5	374892	563317	25.76%	2.257%
54	6.588	782	785	787	rBV	37762	29898	1.37%	0.120%
55	6.611	787	789	791	rVB2	37653	28750	1.31%	0.115%
56	6.641	791	794	796	rBV2	77661	66111	3.02%	0.265%
57	6.670	796	799	801	rBV	84476	87844	4.02%	0.352%
58	6.735	807	810	816	rBV	894299	729024	33.34%	2.921%
59	6.776	816	817	820	rVV2	51869	40331	1.84%	0.162%
60	6.811	820	823	826	rVB5	36906	41390	1.89%	0.166%
61	6.888	832	836	838	rBV4	35728	44288	2.03%	0.177%
62	6.946	840	846	852	rVV2	320016	406046	18.57%	1.627%
63	7.029	856	860	864	rVB2	190952	190650	8.72%	0.764%
64	7.070	864	867	869	rBV4	67837	82230	3.76%	0.329%
65	7.094	869	871	873	rVV	114127	85467	3.91%	0.342%
66	7.123	873	876	879	rVV	150097	134021	6.13%	0.537%
67	7.170	880	884	890	rVV9	48022	133275	6.09%	0.534%
68	7.246	890	897	902	rVB8	86752	215181	9.84%	0.862%
69	7.317	902	909	910	rBV7	39859	91652	4.19%	0.367%
70	7.341	910	913	918	rBV3	78262	124208	5.68%	0.498%
71	7.388	918	921	929	rBV2	250262	324446	14.84%	1.300%
72	7.570	942	952	955	rBV2	106157	225855	10.33%	0.905%
73	7.599	955	957	960	rVV2	158866	124316	5.69%	0.498%
74	7.835	995	997	1005	rBV4	156564	179781	8.22%	0.720%
75	7.893	1005	1007	1012	rBV5	74538	109675	5.02%	0.439%
76	8.017	1026	1028	1033	rVB4	102334	129330	5.91%	0.518%
77	8.064	1033	1036	1043	rBV2	239732	271885	12.43%	1.089%
78	8.135	1045	1048	1061	rBV	782316	921717	42.15%	3.693%
79	8.235	1062	1065	1069	rBV3	80932	89527	4.09%	0.359%
80	8.288	1070	1074	1079	rVV5	123829	177663	8.12%	0.712%
81	8.335	1079	1082	1089	rBV6	113385	199971	9.14%	0.801%
82	8.435	1096	1099	1101	rBV3	85191	101868	4.66%	0.408%
83	8.458	1101	1103	1112	rVB3	238917	328151	15.01%	1.315%
84	8.664	1128	1138	1140	rBV10	130169	389149	17.80%	1.559%
85	8.693	1140	1143	1146	rBV5	139195	194399	8.89%	0.779%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32902.D
Acq On : 21 Aug 2013 8:39 pm
Operator : kristinr
Sample : MC23593-1
Misc : OP34472,MSR1200,20.70,,,1,5
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

86	8.817	1157	1164	1173	rBV9	154985	427682	19.56%	1.714%
87	8.899	1174	1178	1182	rBV	329422	465322	21.28%	1.864%
88	9.076	1205	1208	1212	rBV5	142528	216550	9.90%	0.868%
89	9.335	1250	1252	1264	rBV	247684	332860	15.22%	1.334%
90	9.493	1275	1279	1283	rBV6	128998	279324	12.77%	1.119%
91	9.764	1323	1325	1330	rBV	158190	130460	5.97%	0.523%
92	9.923	1349	1352	1364	rVB3	363366	716671	32.77%	2.871%
93	10.976	1528	1531	1548	rVV	255479	481086	22.00%	1.927%
94	11.105	1549	1553	1565	rVB2	992917	1285440	58.78%	5.150%
95	11.481	1614	1617	1629	rVB2	288633	667229	30.51%	2.673%
96	11.587	1631	1635	1658	rVB4	204713	575215	26.30%	2.305%
97	11.846	1676	1679	1735	rVB8	271323	1370564	62.68%	5.491%
98	12.699	1820	1824	1840	rVB	745167	1182728	54.09%	4.739%
99	13.275	1919	1922	1970	rVB5	430911	2050643	93.78%	8.216%
100	13.611	1976	1979	2048	rVB3	394379	2186733	100.00%	8.761%

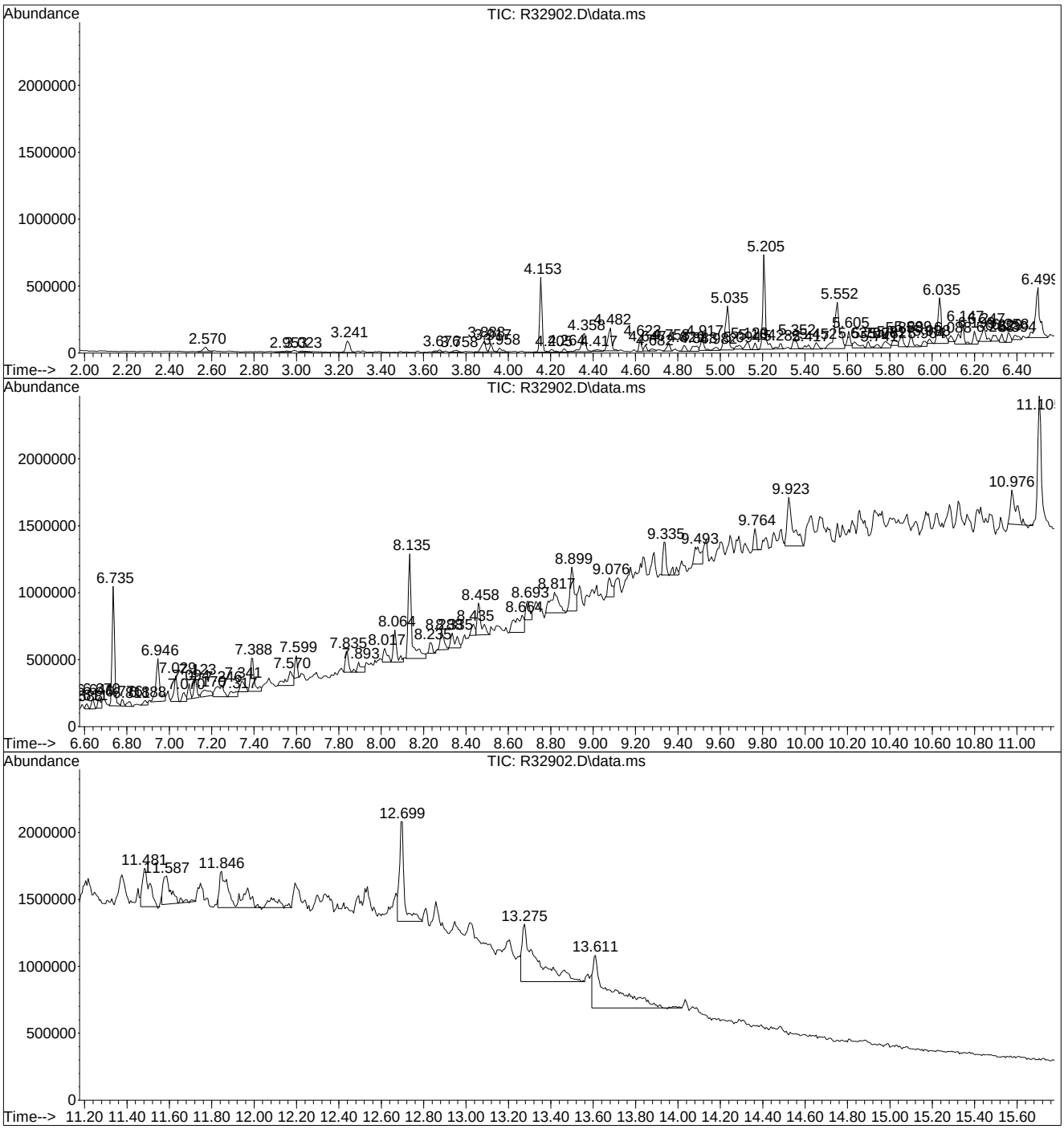
Sum of corrected areas: 24959246

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\R130821\
Data File : R32902.D
Acq On : 21 Aug 2013 8:39 pm
Operator : kristinr
Sample : MC23593-1
Misc : OP34472,MSR1200,20.70,,,1,5
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

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Acq On : 21 Aug 2013 8:39 pm
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Quant Title : SW-864 Method 8270

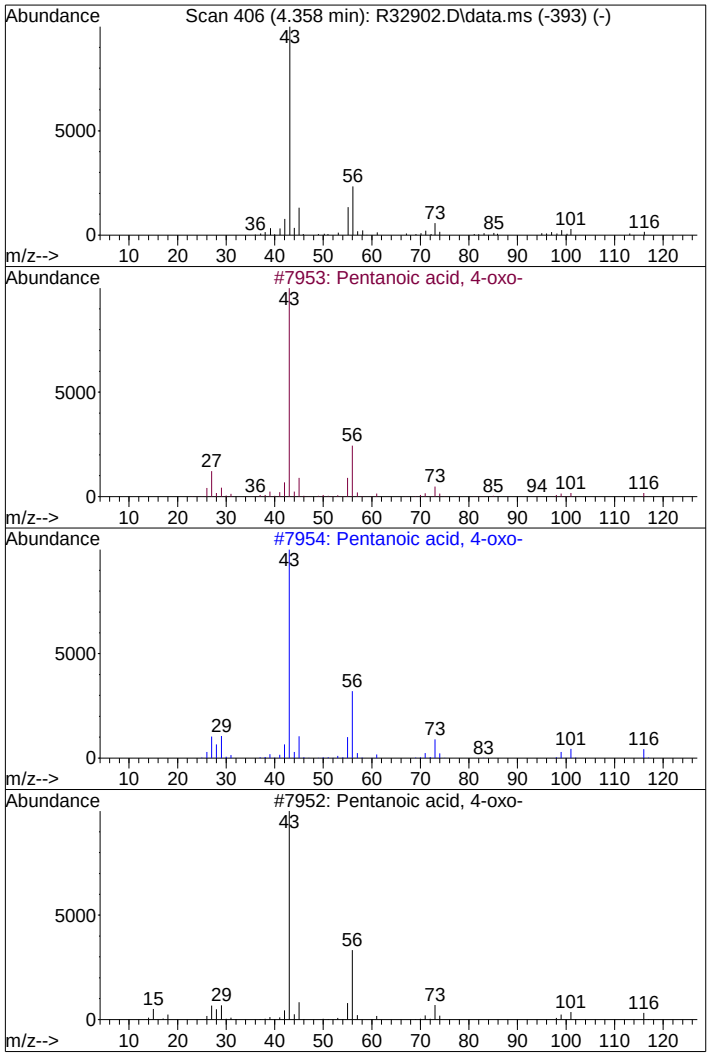
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

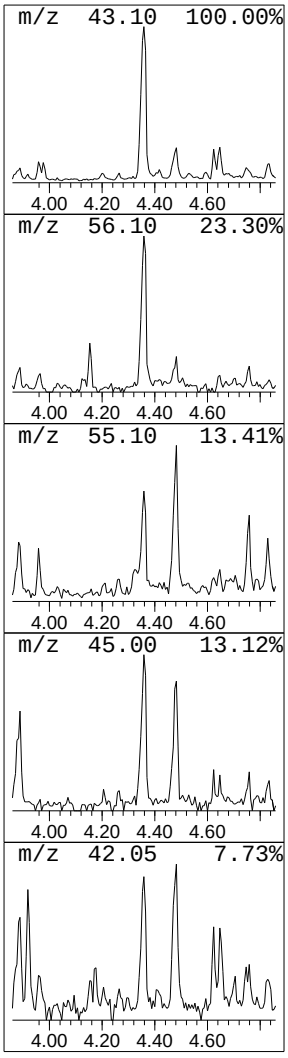
****

Peak Number 1 Pentanoic acid, 4-oxo- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.358	19.54 ppm	215972	1,4-Dichlorobenzene-d4	4.153

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid, 4-oxo-	116	C5H8O3	000123-76-2	90
2	Pentanoic acid, 4-oxo-	116	C5H8O3	000123-76-2	72
3	Pentanoic acid, 4-oxo-	116	C5H8O3	000123-76-2	64
4	Pentanoic acid, 4-oxo-	116	C5H8O3	000123-76-2	58
5	2,3-Butanedione	86	C4H6O2	000431-03-8	10





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Acq On : 21 Aug 2013 8:39 pm
Operator : kristinr
Sample : MC23593-1
Misc : OP34472,MSR1200,20.70,,,1,5
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

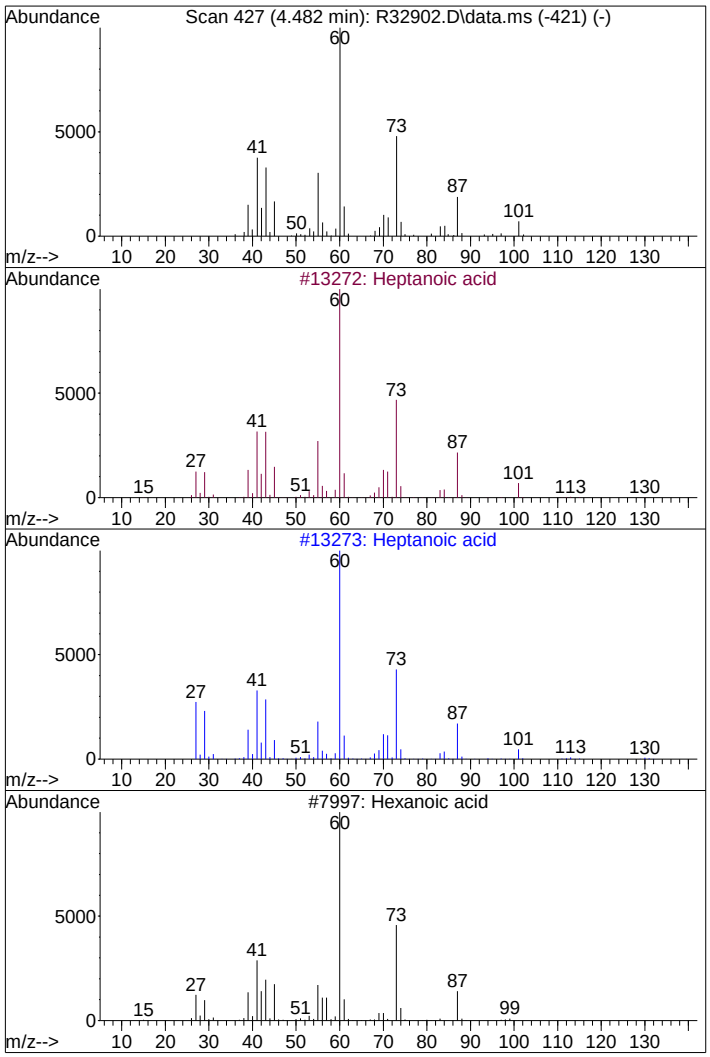
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

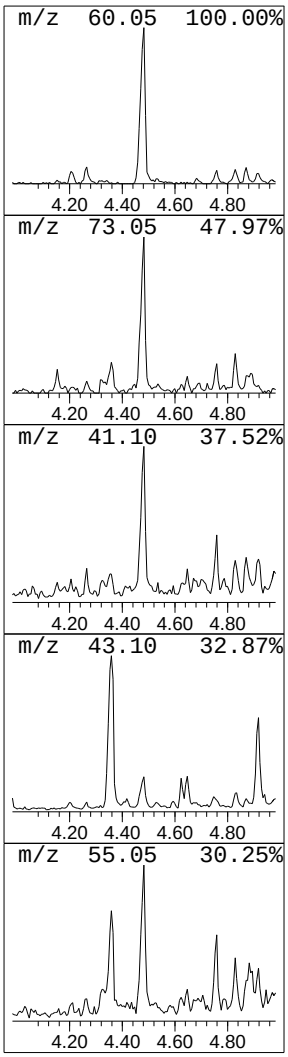
****

Peak Number 2 Heptanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.482	18.63 ppm	205949	1,4-Dichlorobenzene-d4	4.153

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanoic acid	130	C7H14O2	000111-14-8	90
2	Heptanoic acid	130	C7H14O2	000111-14-8	86
3	Hexanoic acid	116	C6H12O2	000142-62-1	78
4	Pentanoic acid	102	C5H10O2	000109-52-4	72
5	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	64





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Operator : kristinr
Sample : MC23593-1
Misc : OP34472,MSR1200,20.70,,,1,5
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

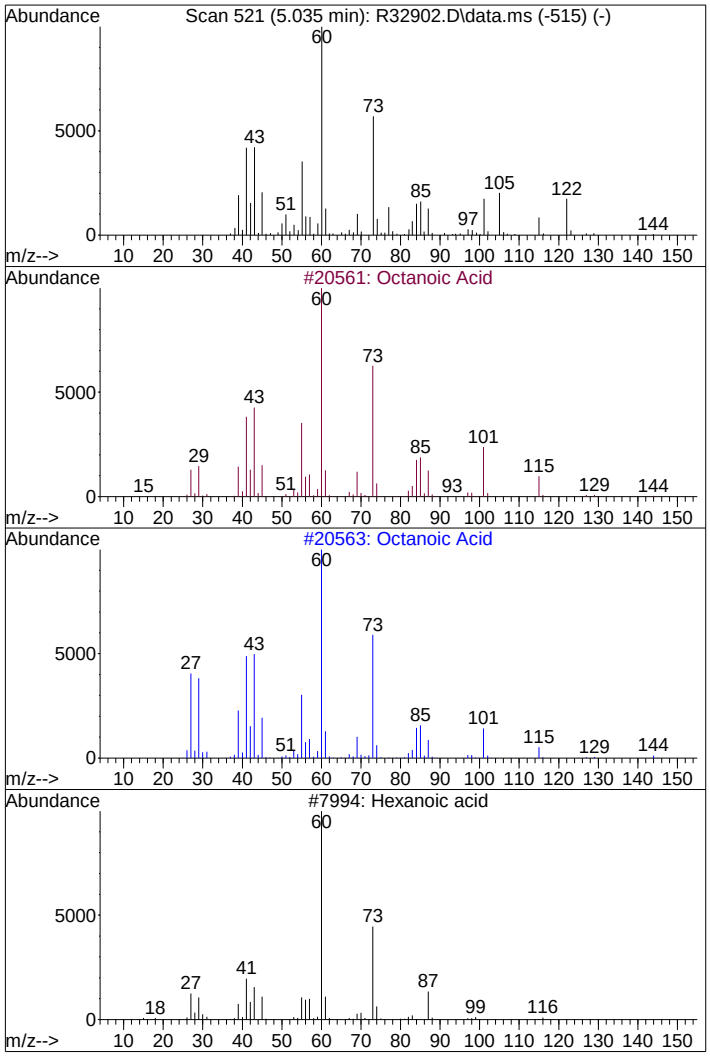
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

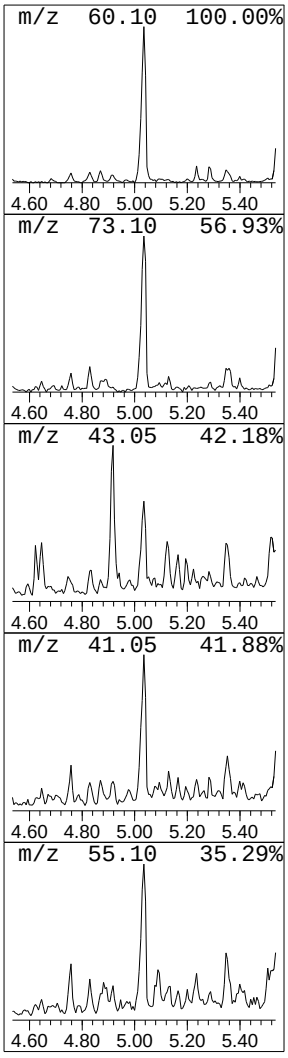
****

Peak Number 3 Octanoic Acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.035	27.60 ppm	418353	Naphthalene-d8	5.205

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanoic Acid	144	C8H16O2	000124-07-2	94
2	Octanoic Acid	144	C8H16O2	000124-07-2	80
3	Hexanoic acid	116	C6H12O2	000142-62-1	60
4	Hexanoic acid	116	C6H12O2	000142-62-1	59
5	Octanoic Acid	144	C8H16O2	000124-07-2	58





Library Search Compound Report

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Operator : kristinr
Sample : MC23593-1
Misc : OP34472,MSR1200,20.70,,,1,5
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

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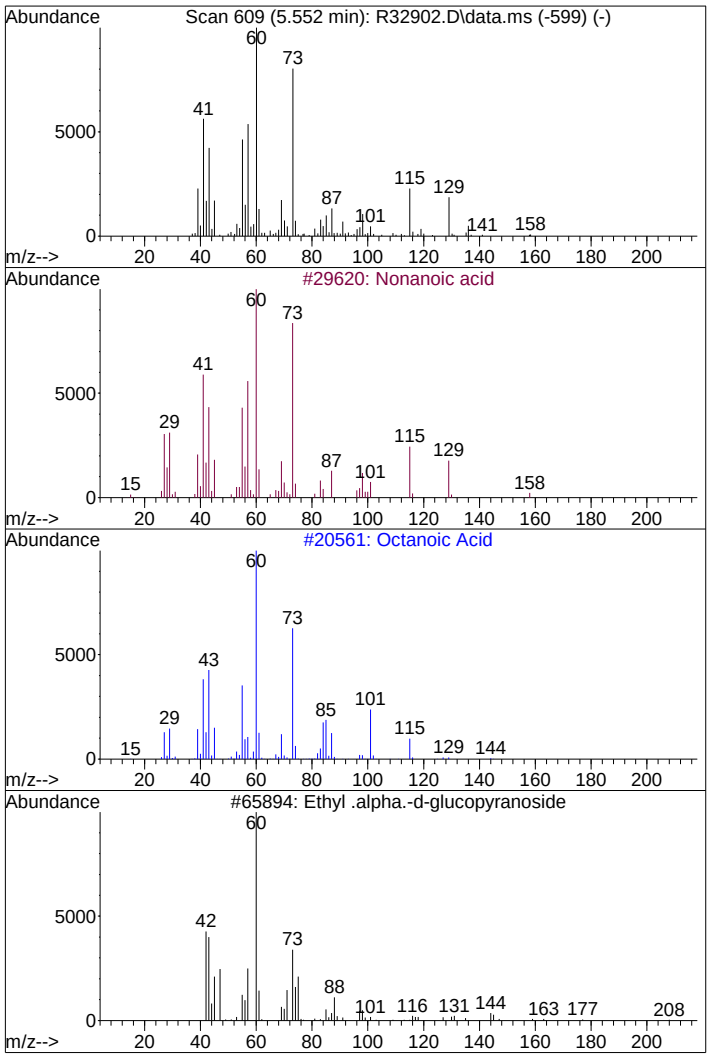
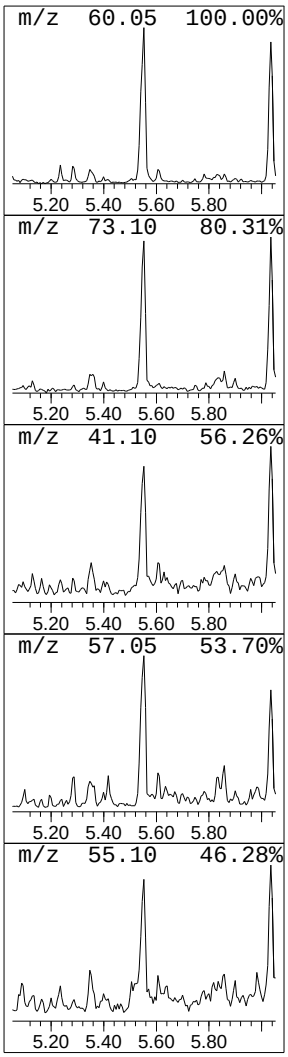
Peak Number 4 Nonanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.552	40.00 ppm	606398	Naphthalene-d8b	5.205

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanoic acid	158	C9H18O2	000112-05-0	80
2	Octanoic Acid	144	C8H16O2	000124-07-2	53
3	Ethyl .alpha.-d-glucopyranoside	208	C8H16O6	1000127-29-4	53
4	Octanoic Acid	144	C8H16O2	000124-07-2	53
5	Octanoic acid, silver(1+) salt	250	C8H15AgO2	024927-67-1	52





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Data File : R32902.D
Acq On : 21 Aug 2013 8:39 pm
Operator : kristinr
Sample : MC23593-1
Misc : OP34472,MSR1200,20.70,,,1,5
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

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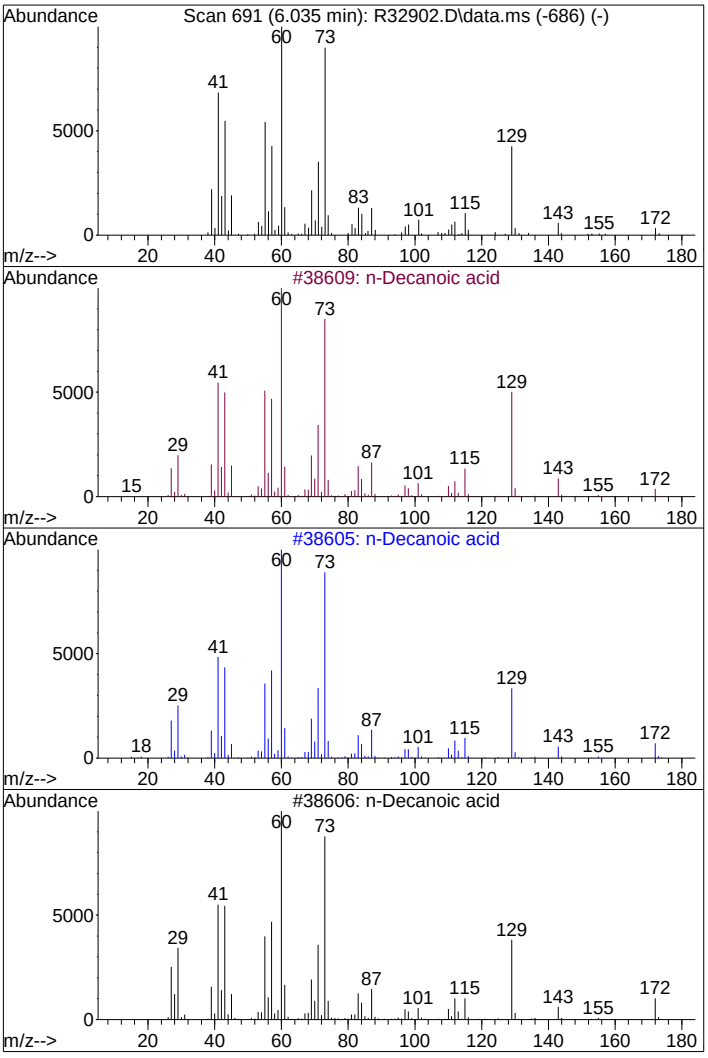
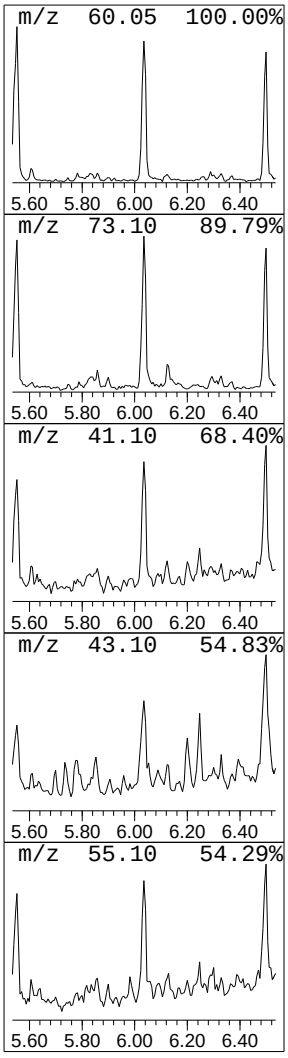
Peak Number 5 n-Decanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.035	23.98 ppm	436965	Acenaphthene-d10	6.735

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Decanoic acid	172	C10H20O2	000334-48-5	93
2	n-Decanoic acid	172	C10H20O2	000334-48-5	86
3	n-Decanoic acid	172	C10H20O2	000334-48-5	72
4	Heptanoic acid	130	C7H14O2	000111-14-8	50
5	n-Decanoic acid	172	C10H20O2	000334-48-5	49





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Acq On : 21 Aug 2013 8:39 pm
Operator : kristinr
Sample : MC23593-1
Misc : OP34472,MSR1200,20.70,,,1,5
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

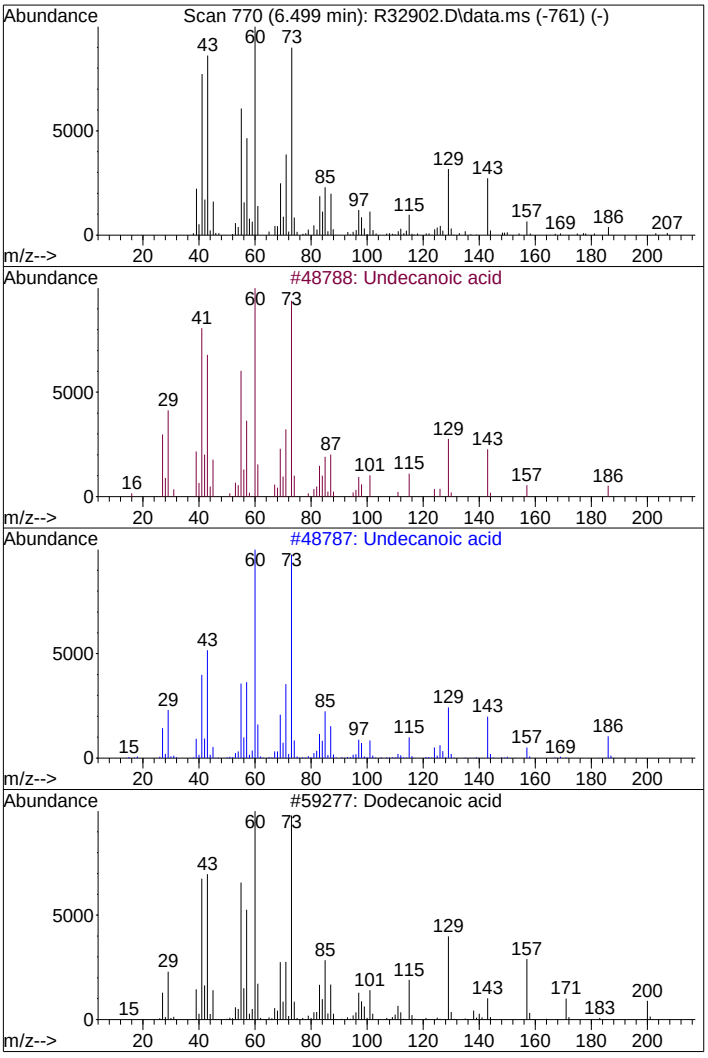
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

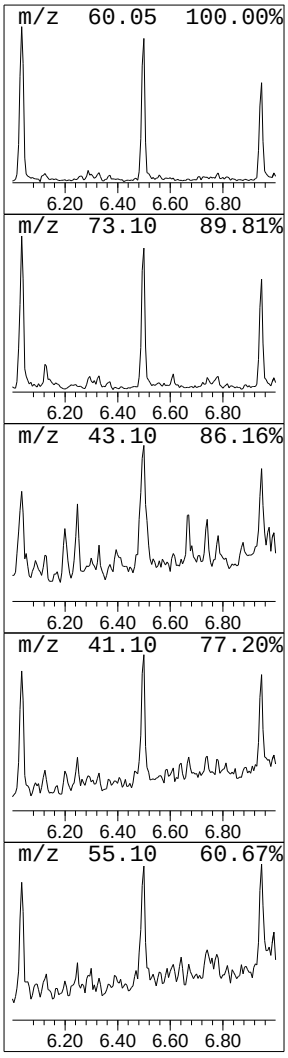
****

Peak Number 6 Undecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.499	30.91 ppm	563317	Acenaphthene-d10	6.735

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecanoic acid	186	C11H22O2	000112-37-8	95
2	Undecanoic acid	186	C11H22O2	000112-37-8	90
3	Dodecanoic acid	200	C12H24O2	000143-07-7	72
4	n-Decanoic acid	172	C10H20O2	000334-48-5	64
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





Library Search Compound Report

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Acq On : 21 Aug 2013 8:39 pm
Operator : kristinr
Sample : MC23593-1
Misc : OP34472,MSR1200,20.70,,,1,5
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

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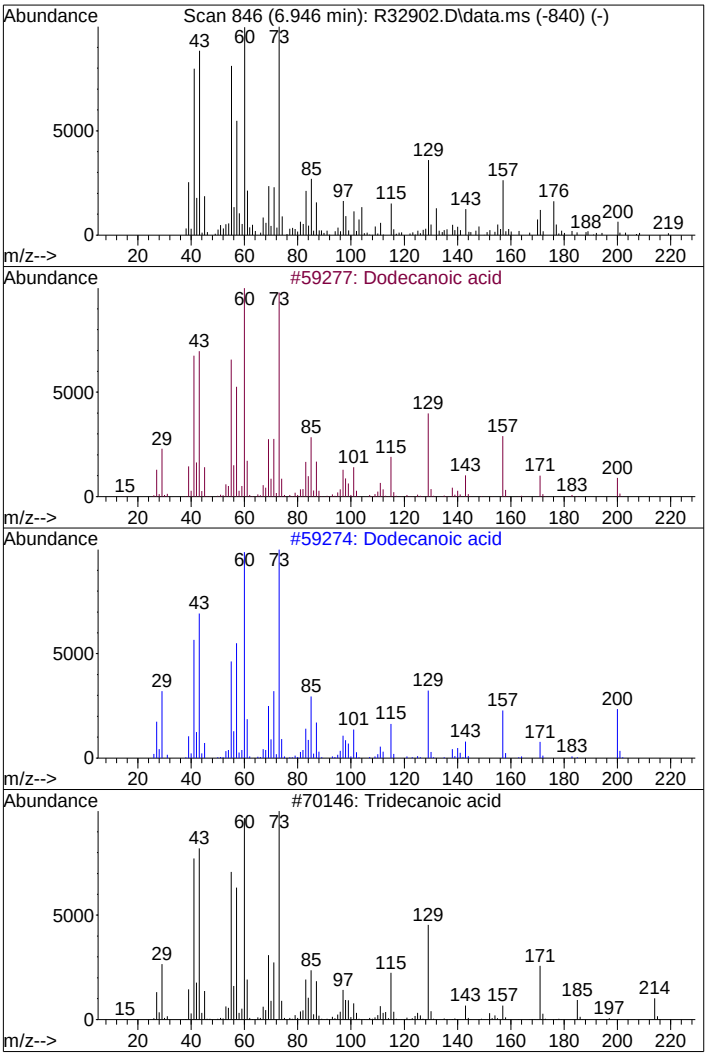
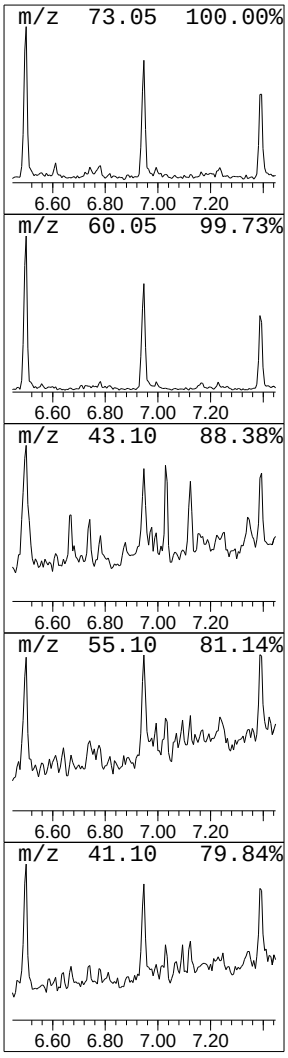
Peak Number 7 Dodecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.946	22.28 ppm	406046	Acenaphthene-d10a	6.735

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid	200	C12H24O2	000143-07-7	94
2	Dodecanoic acid	200	C12H24O2	000143-07-7	72
3	Tridecanoic acid	214	C13H26O2	000638-53-9	72
4	Tridecanoic acid	214	C13H26O2	000638-53-9	59
5	Dodecanoic acid	200	C12H24O2	000143-07-7	53





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Misc : OP34472,MSR1200,20.70,,,1,5
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

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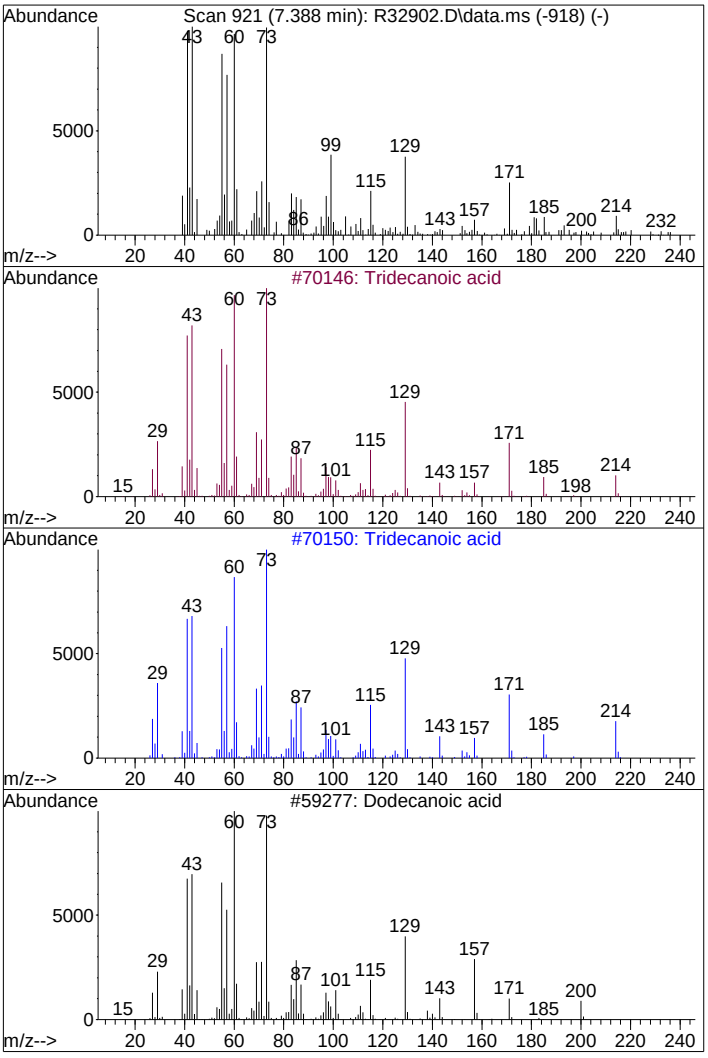
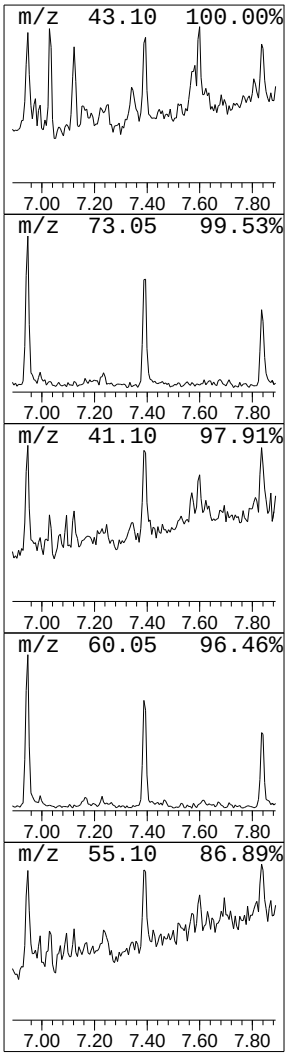
Peak Number 8 Tridecanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.388	17.80 ppm	324446	Acenaphthene-d10a	6.735

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	89
3	Dodecanoic acid	200	C12H24O2	000143-07-7	70
4	Tridecanoic acid	214	C13H26O2	000638-53-9	53
5	Decanoic acid, silver(1+) salt	278	C10H19AgO2	013126-67-5	47





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ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
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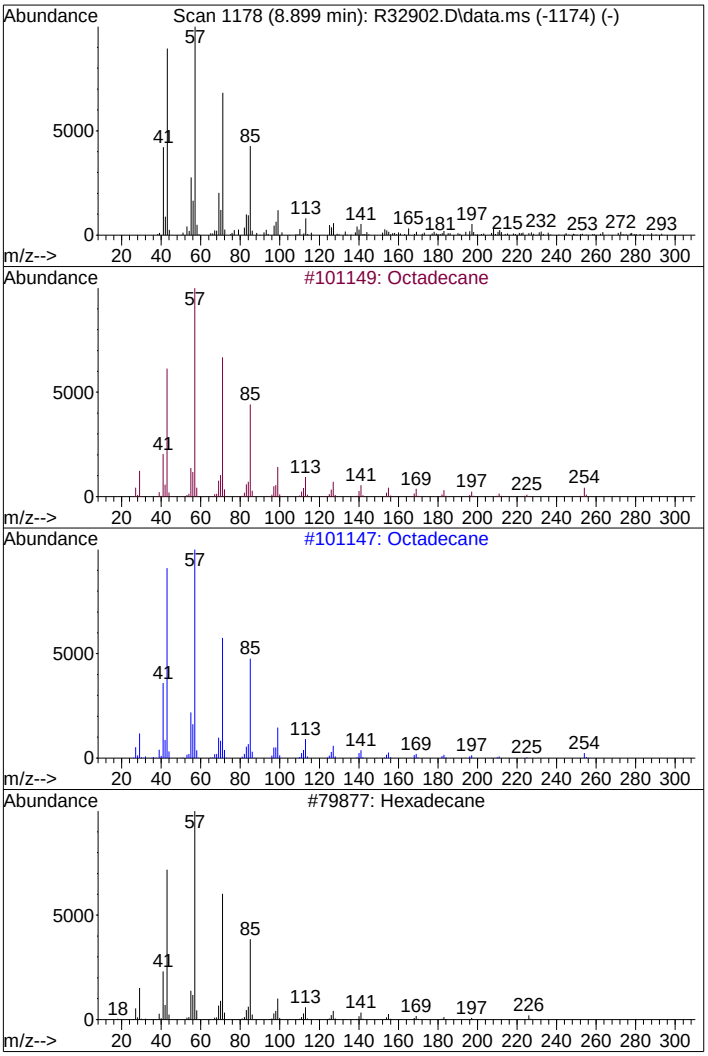
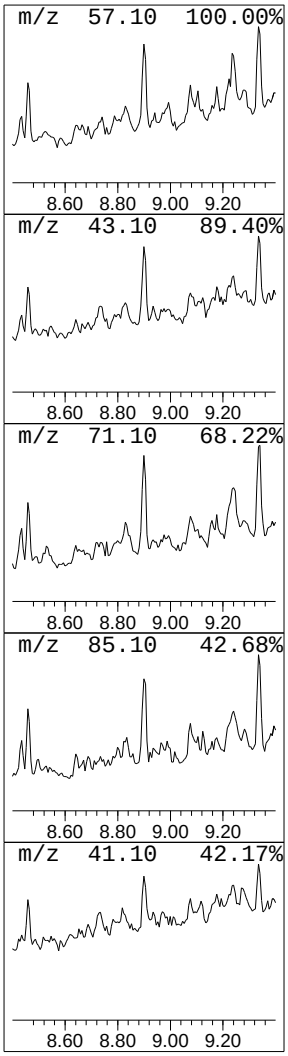
Peak Number 10 Octadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.899	20.19 ppm	465322	Phenanthrene-d10a	8.135

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	91
2	Octadecane	254	C18H38	000593-45-3	91
3	Hexadecane	226	C16H34	000544-76-3	87
4	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	83
5	Eicosane	282	C20H42	000112-95-8	83





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ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

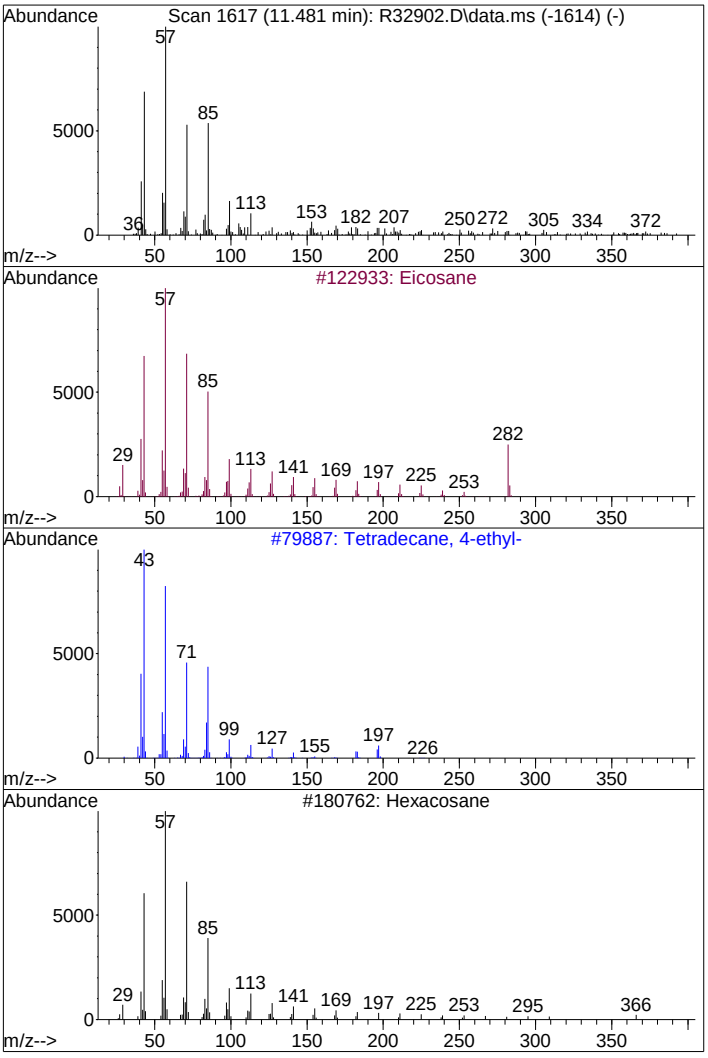
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

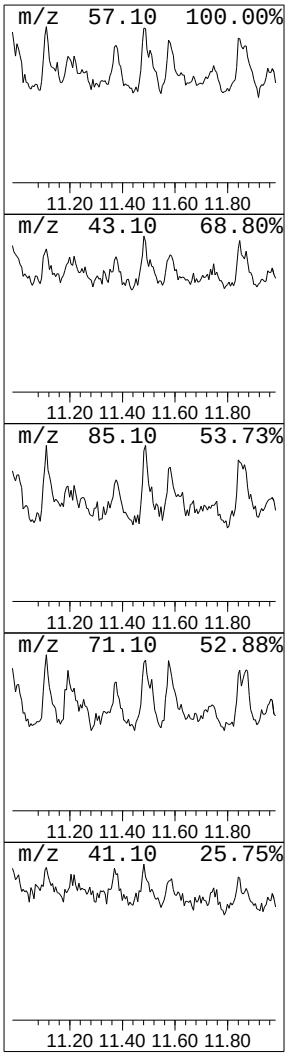
****

Peak Number 11 Eicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.482	20.76 ppm	667229	Chrysene-d12	11.105

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	80
3	Hexacosane	366	C26H54	000630-01-3	76
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	60
5	Hexacosane	366	C26H54	000630-01-3	60





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TIC Library : C:\Database\NIST08.L
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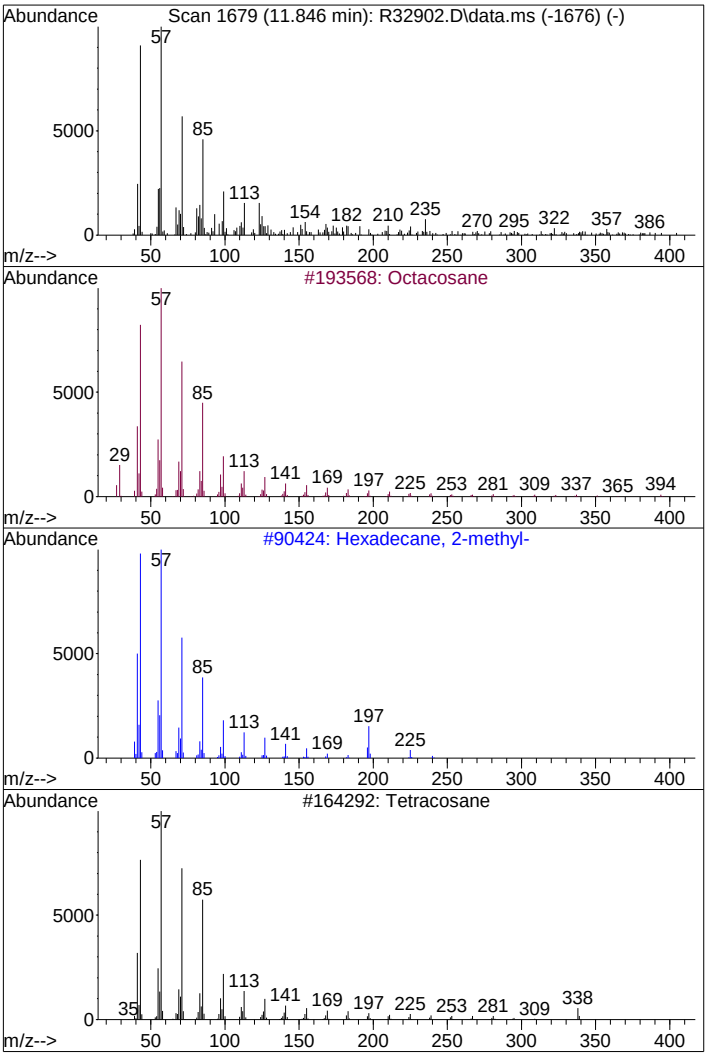
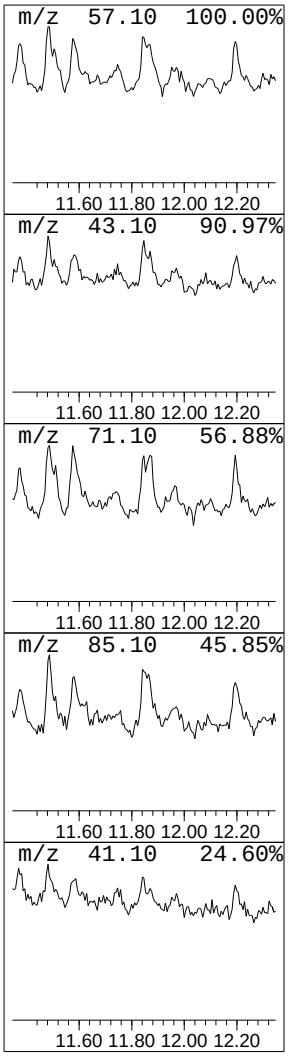
Peak Number 13 Octacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.846	42.65 ppm	1370560	Chrysene-d12	11.105

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	93
2	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	74
3	Tetracosane	338	C24H50	000646-31-1	72
4	Heneicosane	296	C21H44	000629-94-7	72
5	Pentacosane	352	C25H52	000629-99-2	72





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\R130821\
Data File : R32902.D
Acq On : 21 Aug 2013 8:39 pm
Operator : kristinr
Sample : MC23593-1
Misc : OP34472,MSR1200,20.70,,,1,5
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pentanoic acid,...	4.358	19.5	ppm	215972	2	4.153	442180	40.0
Heptanoic acid	4.482	18.6	ppm	205949	2	4.153	442180	40.0
Octanoic Acid	5.035	27.6	ppm	418353	3	5.205	606398	40.0
Nonanoic acid	5.552	40.0	ppm	606398	5	5.205	606398	40.0
n-Decanoic acid	6.035	24.0	ppm	436965	6	6.735	729024	40.0
Undecanoic acid	6.499	30.9	ppm	563317	6	6.735	729024	40.0
Dodecanoic acid	6.946	22.3	ppm	406046	7	6.735	729024	40.0
Tridecanoic acid	7.388	17.8	ppm	324446	7	6.735	729024	40.0
Octadecane	8.899	20.2	ppm	465322	9	8.135	921717	40.0
Eicosane	11.482	20.8	ppm	667229	10	11.105	1285440	40.0
Octacosane	11.846	42.6	ppm	1370560	10	11.105	1285440	40.0

Manual Integrations APPROVED
(compounds with "m" flag)
Kristin Renault
08/27/13 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32903.D
Acq On : 21 Aug 2013 9:02 pm
Operator : kristinr
Sample : MC23593-2
Misc : OP34472,MSR1200,20.80,,,1,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 27 10:22:20 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

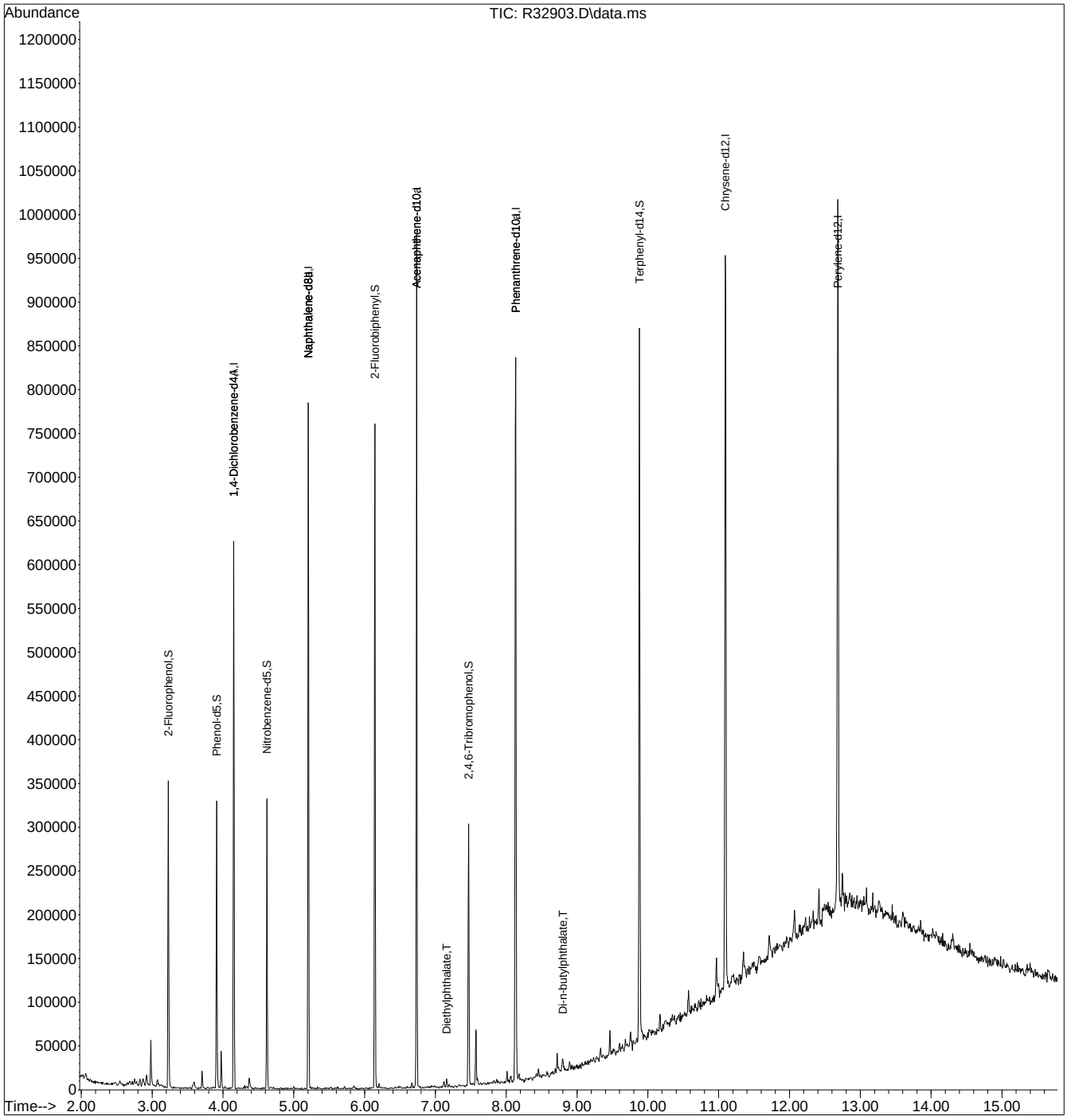
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	78581	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	78581	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	290267	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	290267	40.00	ppm	#-0.08
43) Acenaphthene-d10	6.734	164	176128	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.734	164	176596	40.00	ppm	-0.08
67) Phenanthrene-d10	8.134	188	306485m	40.00	ppm	-0.09
80) Phenanthrene-d10a	8.134	188	306940m	40.00	ppm	-0.09
82) Chrysene-d12	11.093	240	346823	40.00	ppm	-0.11
92) Perylene-d12	12.681	264	318577	40.00	ppm	-0.11
100) Naphthalene-d8b	5.205	136	290267	40.00	ug/mL	#-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.229	112	76367	32.06	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 32.06%			
7) Phenol-d5	3.911	99	93024	30.84	ppm	-0.05
Spiked Amount 100.000	Range 30 - 130		Recovery = 30.84%			
24) Nitrobenzene-d5	4.623	82	78861	28.43	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 56.86%			
48) 2-Fluorobiphenyl	6.146	172	205755	35.12	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 70.24%			
71) 2,4,6-Tribromophenol	7.470	330	31856	34.69	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 34.69%			
85) Terphenyl-d14	9.881	244	268704	36.19	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 72.38%			
Target Compounds						Qvalue
61) Diethylphthalate	7.158	149	2679	0.50	ppm	87
78) Di-n-butylphthalate	8.799	149	8791	0.96	ppm	97

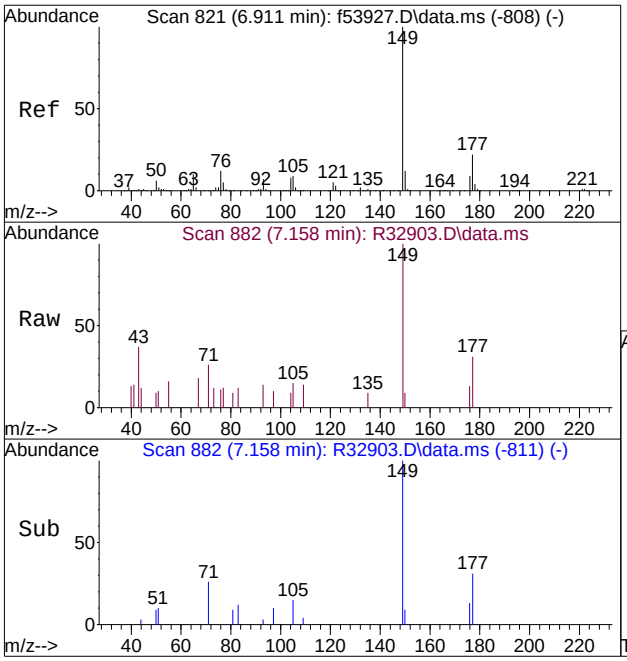
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32903.D
Acq On : 21 Aug 2013 9:02 pm
Operator : kristinr
Sample : MC23593-2
Misc : OP34472,MSR1200,20.80,,,1,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 27 10:22:20 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

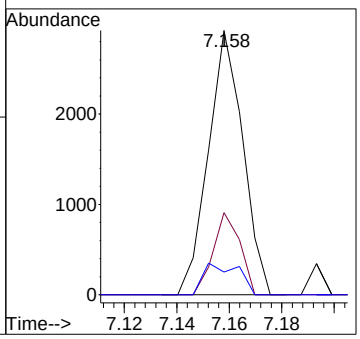


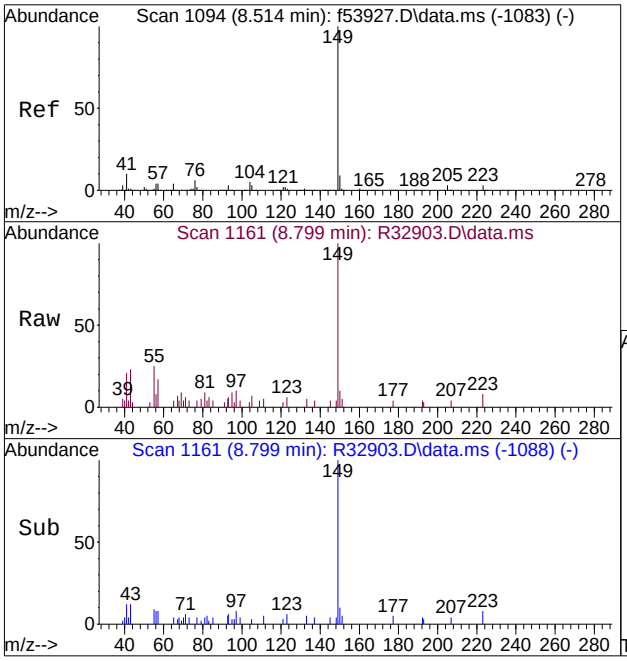


#61
Diethylphthalate
Concen: 0.50 ppm
RT: 7.158 min Scan# 882
Delta R.T. -0.085 min
Lab File: R32903.D
Acq: 21 Aug 2013 9:02 pm

Tgt Ion:149 Resp: 2679

Ion	Ratio	Lower	Upper
149	100		
177	31.1	0.0	53.4
150	8.6	0.0	41.8

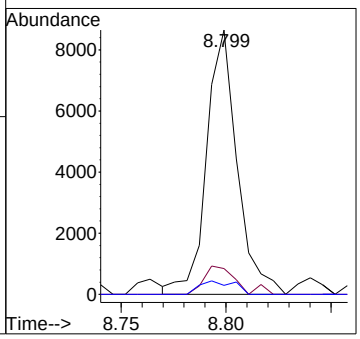




#78
Di-n-butylphthalate
Concen: 0.96 ppm
RT: 8.799 min Scan# 1161
Delta R.T. -0.073 min
Lab File: R32903.D
Acq: 21 Aug 2013 9:02 pm

Tgt Ion:149 Resp: 8791

Ion	Ratio	Lower	Upper
149	100		
150	9.8	0.0	39.0
104	3.4	0.0	34.5



LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32903.D
Acq On : 21 Aug 2013 9:02 pm
Operator : kristinr
Sample : MC23593-2
Misc : OP34472,MSR1200,20.80,,,1,1
ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

Signal : TIC: R32903.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.064	12	16	25	rVV7	8557	15470	1.54%	0.171%
2	2.129	25	27	32	rVB4	4091	4753	0.47%	0.053%
3	2.188	35	37	39	rVB3	3596	2971	0.30%	0.033%
4	2.205	39	40	55	rVB6	4021	12383	1.24%	0.137%
5	2.299	55	56	64	rBV6	3061	3575	0.36%	0.040%
6	2.476	84	86	92	rVB4	3697	5657	0.56%	0.063%
7	2.547	92	98	108	rVB5	6347	16099	1.61%	0.178%
8	2.629	108	112	113	rBV	2290	2830	0.28%	0.031%
9	2.652	113	116	118	rVV3	3250	3506	0.35%	0.039%
10	2.688	118	122	125	rVV6	5333	8185	0.82%	0.090%
11	2.723	125	128	130	rVV3	5317	5100	0.51%	0.056%
12	2.752	130	133	135	rVV3	8067	7822	0.78%	0.086%
13	2.782	136	138	142	rVV3	5406	4942	0.49%	0.055%
14	2.829	142	146	149	rVB2	8726	10096	1.01%	0.112%
15	2.876	149	154	158	rBV5	8870	14299	1.43%	0.158%
16	2.923	158	162	169	rVV3	13229	18537	1.85%	0.205%
17	2.982	169	172	184	rVV	53419	51889	5.18%	0.573%
18	3.076	184	188	193	rVV3	8473	12676	1.26%	0.140%
19	3.123	194	196	205	rVB4	3204	6803	0.68%	0.075%
20	3.229	209	214	225	rVB	351662	278531	27.79%	3.078%
21	3.535	262	266	270	rVB	2233	3709	0.37%	0.041%
22	3.594	270	276	286	rVB4	8382	18545	1.85%	0.205%
23	3.705	290	295	305	rVB	20753	21003	2.10%	0.232%
24	3.793	305	310	314	rBV3	2186	4227	0.42%	0.047%
25	3.864	319	322	324	rVV	2436	2884	0.29%	0.032%
26	3.911	324	330	338	rVV	329141	273322	27.27%	3.021%
27	3.976	338	341	347	rVV	43314	33197	3.31%	0.367%
28	4.029	347	350	358	rVB2	3209	4707	0.47%	0.052%
29	4.152	363	371	380	rVB	625651	473182	47.21%	5.229%
30	4.305	390	397	400	rBV4	3544	3277	0.33%	0.036%
31	4.329	400	401	406	rVB3	2926	3513	0.35%	0.039%
32	4.370	406	408	415	rBV	11962	14376	1.43%	0.159%
33	4.623	447	451	456	rVV	331472	253274	25.27%	2.799%
34	4.670	456	459	466	rVV4	1734	3076	0.31%	0.034%
35	5.205	544	550	558	rVV	784301	607068	60.57%	6.709%
36	5.470	592	595	600	rVB2	1566	2675	0.27%	0.030%
37	5.529	600	605	609	rBV3	2278	3216	0.32%	0.036%
38	5.617	618	620	627	rVB3	2361	3026	0.30%	0.033%
39	5.717	634	637	640	rBV	3188	3179	0.32%	0.035%
40	5.852	655	660	668	rVB2	3943	7304	0.73%	0.081%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32903.D
Acq On : 21 Aug 2013 9:02 pm
Operator : kristinr
Sample : MC23593-2
Misc : OP34472,MSR1200,20.80,,,1,1
ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

41	5.952	672	677	681	rBV2	1612	3190	0.32%	0.035%
42	6.029	685	690	693	rVB2	1574	2918	0.29%	0.032%
43	6.146	705	710	718	rVV	759445	573305	57.20%	6.336%
44	6.205	718	720	723	rVB	5205	3819	0.38%	0.042%
45	6.670	796	799	802	rBV	6490	6144	0.61%	0.068%
46	6.734	804	810	821	rVB	975877	745516	74.38%	8.239%
47	6.946	842	846	851	rBV2	2772	4471	0.45%	0.049%
48	7.029	857	860	864	rVB3	1875	2657	0.27%	0.029%
49	7.123	870	876	878	rBV2	7197	8409	0.84%	0.093%
50	7.158	878	882	885	rVB2	10103	9430	0.94%	0.104%
51	7.193	885	888	892	rBV4	3545	3863	0.39%	0.043%
52	7.282	899	903	907	rBV2	2511	4922	0.49%	0.054%
53	7.334	907	912	915	rBV5	3520	5878	0.59%	0.065%
54	7.470	926	935	940	rBV	301017	265780	26.52%	2.937%
55	7.534	943	946	949	rVB4	2986	3360	0.34%	0.037%
56	7.570	949	952	960	rBV	63793	71052	7.09%	0.785%
57	7.681	967	971	973	rBV5	2401	3817	0.38%	0.042%
58	7.829	993	996	1000	rBV3	3394	3961	0.40%	0.044%
59	7.864	1000	1002	1005	rBV4	4742	4212	0.42%	0.047%
60	7.887	1005	1006	1010	rVB3	3394	3030	0.30%	0.033%
61	7.923	1010	1012	1018	rBV4	2833	5219	0.52%	0.058%
62	8.011	1022	1027	1033	rBV6	14177	17907	1.79%	0.198%
63	8.070	1033	1037	1041	rBV7	7879	11936	1.19%	0.132%
64	8.134	1041	1048	1053	rBV	828516	807684	80.58%	8.926%
65	8.181	1053	1056	1063	rVB3	8327	12106	1.21%	0.134%
66	8.281	1068	1073	1078	rBV8	5353	12557	1.25%	0.139%
67	8.346	1082	1084	1088	rVB4	3689	4895	0.49%	0.054%
68	8.428	1088	1098	1100	rBV9	8314	19379	1.93%	0.214%
69	8.458	1100	1103	1111	rVB7	10669	15273	1.52%	0.169%
70	8.511	1111	1112	1120	rBV7	3934	8651	0.86%	0.096%
71	8.576	1120	1123	1128	rVB7	6650	7615	0.76%	0.084%
72	8.634	1128	1133	1134	rBV4	5495	6417	0.64%	0.071%
73	8.693	1140	1143	1145	rBV3	6445	5203	0.52%	0.058%
74	8.723	1145	1148	1157	rVV8	23286	33573	3.35%	0.371%
75	8.799	1157	1161	1172	rVV	14539	28758	2.87%	0.318%
76	8.893	1174	1177	1180	rVV5	10609	13274	1.32%	0.147%
77	8.928	1181	1183	1187	rVB4	6012	7270	0.73%	0.080%
78	8.999	1190	1195	1199	rBV8	4987	8771	0.88%	0.097%
79	9.070	1205	1207	1212	rBV6	7065	12649	1.26%	0.140%
80	9.193	1227	1228	1232	rBV4	3785	4050	0.40%	0.045%
81	9.234	1233	1235	1239	rVB5	6397	6055	0.60%	0.067%
82	9.275	1239	1242	1248	rBV8	6872	14458	1.44%	0.160%
83	9.334	1248	1252	1256	rBV7	15682	23951	2.39%	0.265%
84	9.464	1270	1274	1280	rBV5	28894	28177	2.81%	0.311%
85	9.599	1294	1297	1300	rBV5	9892	11039	1.10%	0.122%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32903.D
Acq On : 21 Aug 2013 9:02 pm
Operator : kristinr
Sample : MC23593-2
Misc : OP34472,MSR1200,20.80,,,1,1
ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

86	9.681	1308	1311	1319	rBV9	14397	28518	2.85%	0.315%
87	9.758	1320	1324	1328	rVB6	21545	30992	3.09%	0.343%
88	9.799	1328	1331	1335	rBV6	11743	21912	2.19%	0.242%
89	9.881	1340	1345	1362	rBV	816652	816678	81.48%	9.026%
90	10.017	1367	1368	1374	rVB6	7030	10559	1.05%	0.117%
91	10.170	1391	1394	1400	rBV5	19601	19863	1.98%	0.220%
92	10.575	1459	1463	1468	rBV6	27678	32450	3.24%	0.359%
93	10.970	1527	1530	1547	rBV7	44624	94065	9.38%	1.040%
94	11.093	1547	1551	1565	rBV	839526	965052	96.28%	10.665%
95	11.352	1591	1595	1602	rBV7	31662	55134	5.50%	0.609%
96	11.717	1653	1657	1689	rBV7	28533	181424	18.10%	2.005%
97	12.416	1773	1776	1783	rVB4	43376	52012	5.19%	0.575%
98	12.546	1783	1798	1814	rBV4	27908	207482	20.70%	2.293%
99	12.681	1816	1821	1829	rVV	825481	1002336	100.00%	11.077%
100	12.746	1830	1832	1917	rVB	50173	448448	44.74%	4.956%

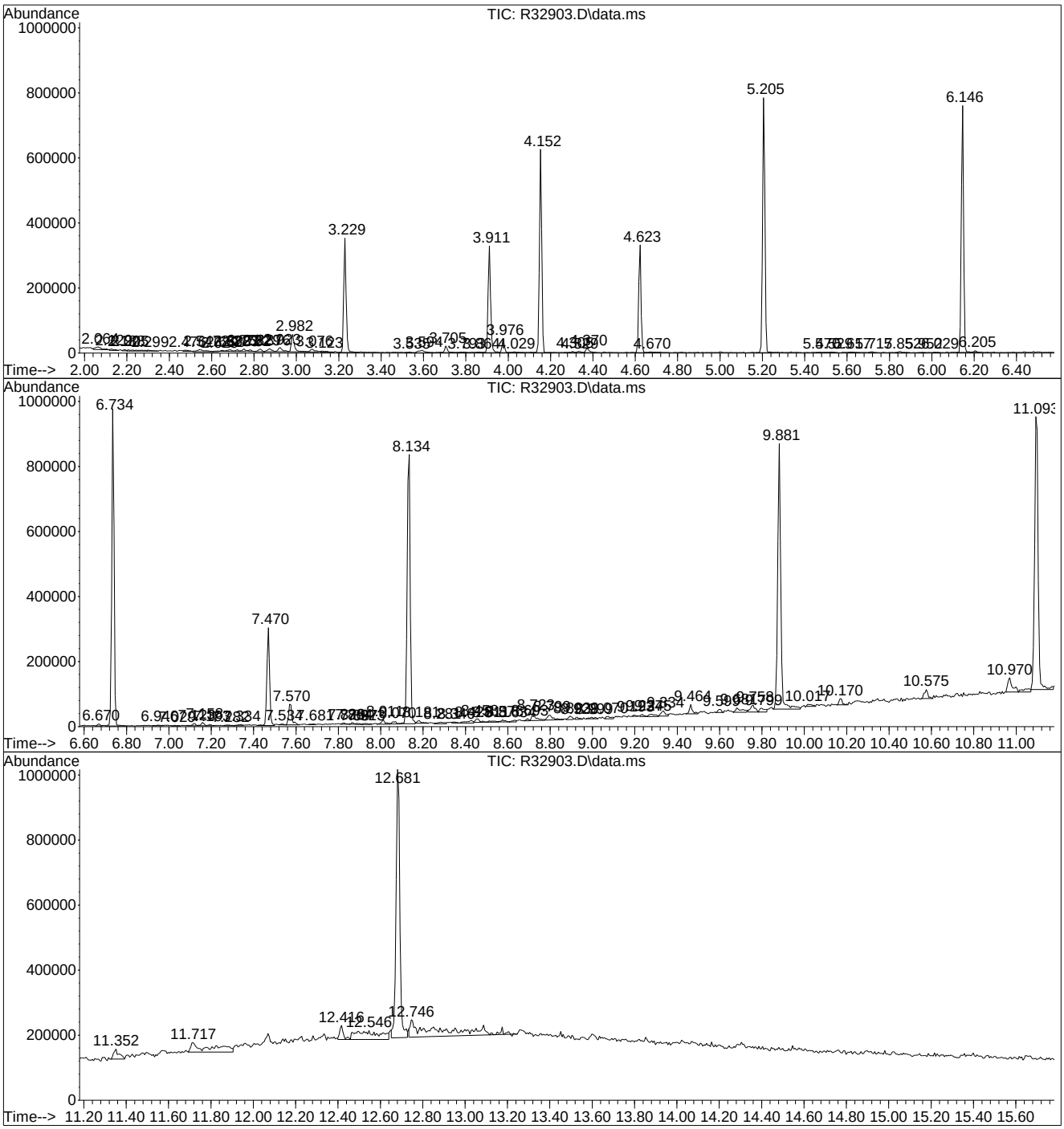
Sum of corrected areas: 9048410

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\R130821\
Data File : R32903.D
Acq On : 21 Aug 2013 9:02 pm
Operator : kristinr
Sample : MC23593-2
Misc : OP34472,MSR1200,20.80,,,1,1
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32903.D
Acq On : 21 Aug 2013 9:02 pm
Operator : kristinr
Sample : MC23593-2
Misc : OP34472,MSR1200,20.80,,,1,1
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\R130821\
Data File : R32903.D
Acq On : 21 Aug 2013 9:02 pm
Operator : kristinr
Sample : MC23593-2
Misc : OP34472,MSR1200,20.80,,,1,1
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32873.D
Acq On : 21 Aug 2013 8:33 am
Operator : kristinr
Sample : OP34472-MB
Misc : OP34472,MSR1199,20.64,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 10:40:26 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

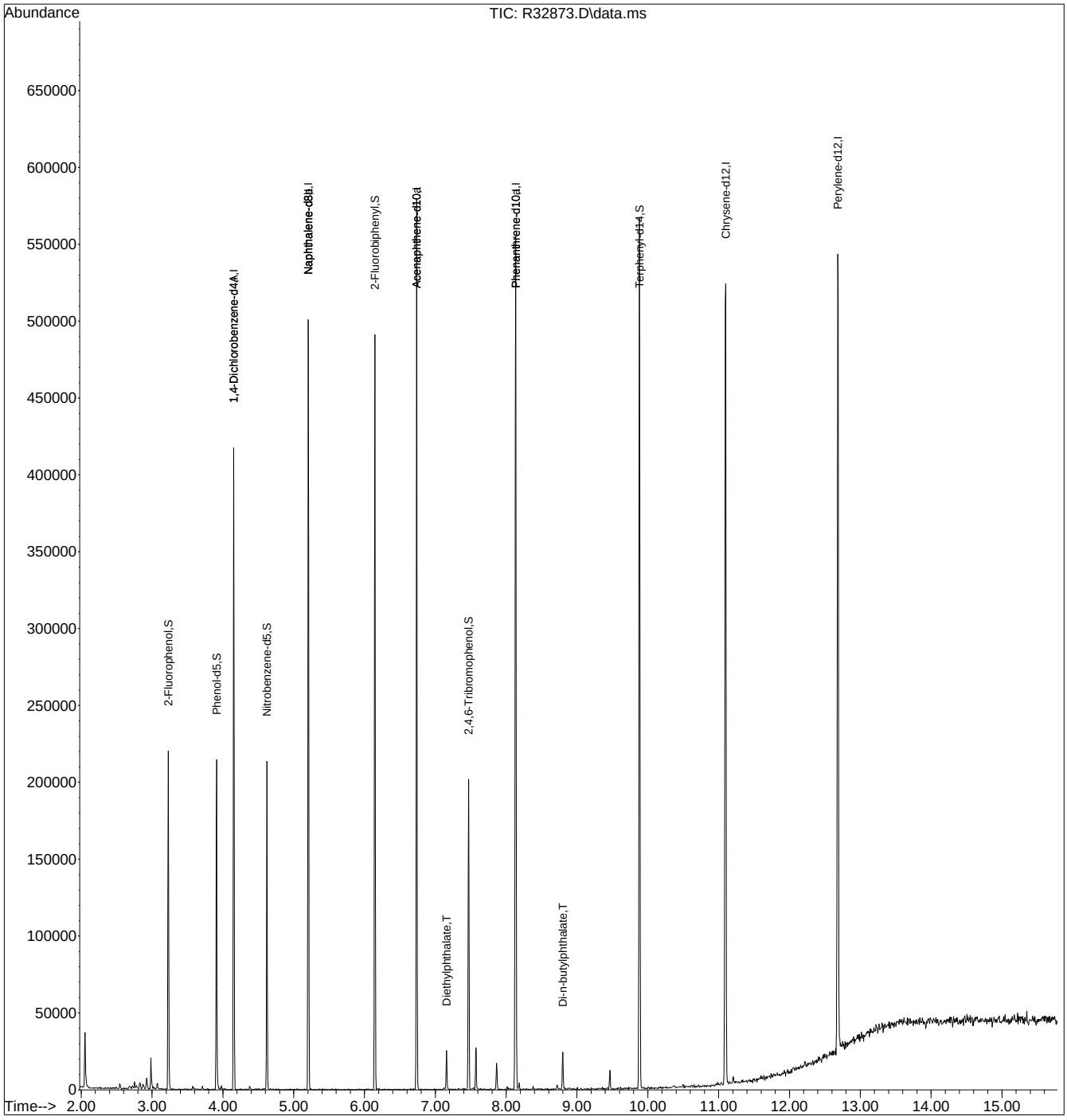
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	50463	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	50463	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	186459	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	186459	40.00	ppm	#-0.08
43) Acenaphthene-d10	6.735	164	113262	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.735	164	113262	40.00	ppm	-0.08
67) Phenanthrene-d10	8.135	188	194575	40.00	ppm	-0.09
80) Phenanthrene-d10a	8.135	188	194575	40.00	ppm	-0.09
82) Chrysene-d12	11.099	240	221203	40.00	ppm	-0.10
92) Perylene-d12	12.681	264	206001	40.00	ppm	-0.11
100) Naphthalene-d8b	5.205	136	186459	40.00	ug/mL	#-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.229	112	48430	31.66	ppm	-0.08
Spiked Amount 100.000	Range 30 - 130		Recovery = 31.66%			
7) Phenol-d5	3.911	99	62689	32.36	ppm	-0.05
Spiked Amount 100.000	Range 30 - 130		Recovery = 32.36%			
24) Nitrobenzene-d5	4.623	82	51241	28.76	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 57.52%			
48) 2-Fluorobiphenyl	6.146	172	129621	34.40	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 68.80%			
71) 2,4,6-Tribromophenol	7.470	330	21740	37.29	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 37.29%			
85) Terphenyl-d14	9.882	244	191518	40.45	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 80.90%			
Target Compounds						Qvalue
61) Diethylphthalate	7.158	149	9729	2.83	ppm	95
78) Di-n-butylphthalate	8.799	149	14000	2.41	ppm	95

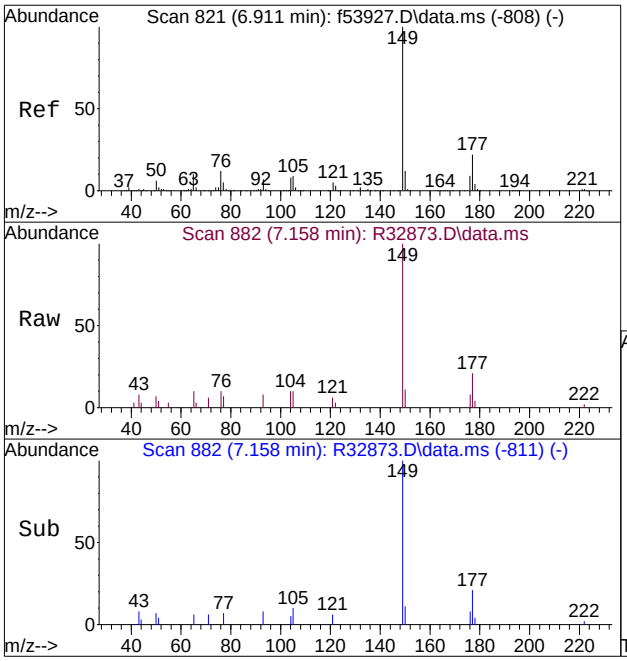
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32873.D
Acq On : 21 Aug 2013 8:33 am
Operator : kristinr
Sample : OP34472-MB
Misc : OP34472,MSR1199,20.64,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 10:40:26 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

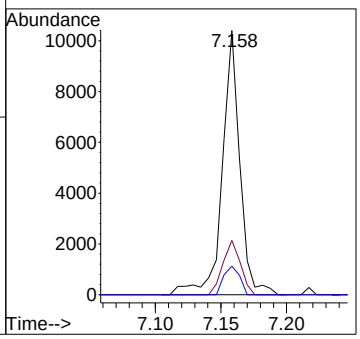


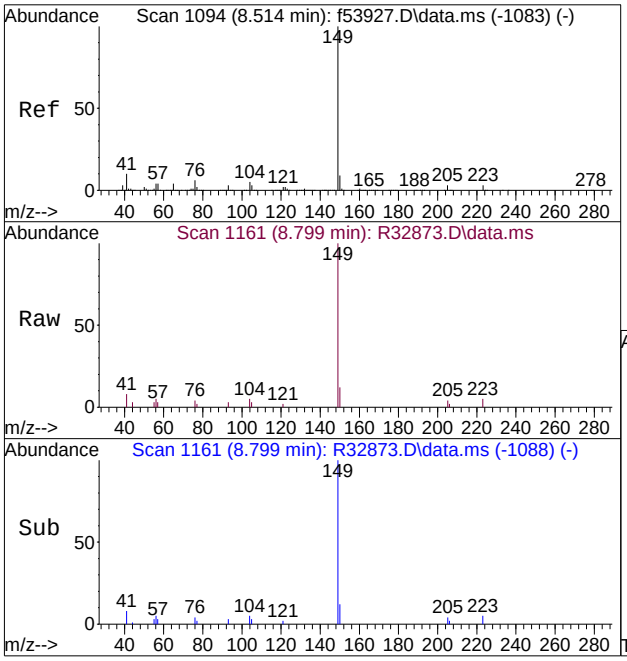


#61
Diethylphthalate
Concen: 2.83 ppm
RT: 7.158 min Scan# 882
Delta R.T. -0.085 min
Lab File: R32873.D
Acq: 21 Aug 2013 8:33 am

Tgt Ion:149 Resp: 9729

Ion	Ratio	Lower	Upper
149	100		
177	20.6	0.0	53.4
150	10.8	0.0	41.8

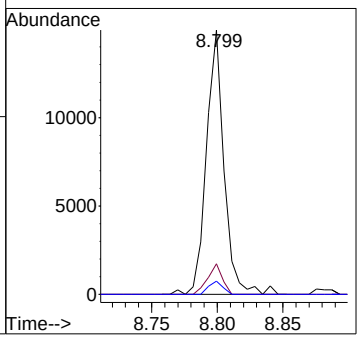




#78
Di-n-butylphthalate
Concen: 2.41 ppm
RT: 8.799 min Scan# 1161
Delta R.T. -0.073 min
Lab File: R32873.D
Acq: 21 Aug 2013 8:33 am

Tgt Ion:149 Resp: 14000

Ion	Ratio	Lower	Upper
149	100		
150	11.6	0.0	39.0
104	5.0	0.0	34.5



LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32873.D
Acq On : 21 Aug 2013 8:33 am
Operator : kristinr
Sample : OP34472-MB
Misc : OP34472,MSR1199,20.64,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

Signal : TIC: R32873.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.053	9	14	29	rVB	36308	38886	6.48%	0.799%
2	2.264	45	50	53	rVB2	1115	1148	0.19%	0.024%
3	2.547	93	98	102	rVB	4087	5732	0.96%	0.118%
4	2.606	102	108	112	rBV	1396	2675	0.45%	0.055%
5	2.682	117	121	125	rBV2	1938	3414	0.57%	0.070%
6	2.723	125	128	131	rVV	2223	2723	0.45%	0.056%
7	2.753	131	133	135	rVV	4720	3417	0.57%	0.070%
8	2.782	135	138	142	rVV2	2305	2482	0.41%	0.051%
9	2.829	142	146	149	rVB	4344	5054	0.84%	0.104%
10	2.870	149	153	158	rBV3	3214	4368	0.73%	0.090%
11	2.923	158	162	167	rVB2	7575	7917	1.32%	0.163%
12	2.982	167	172	177	rBV	20568	19363	3.23%	0.398%
13	3.076	183	188	194	rBV	3699	3950	0.66%	0.081%
14	3.229	206	214	222	rVB	220556	171092	28.51%	3.517%
15	3.576	268	273	282	rBV	2440	4098	0.68%	0.084%
16	3.711	291	296	302	rBB	2474	2694	0.45%	0.055%
17	3.911	326	330	339	rBV	214829	180371	30.06%	3.708%
18	3.982	339	342	345	rVB	2708	2478	0.41%	0.051%
19	4.023	345	349	351	rBB	1073	1137	0.19%	0.023%
20	4.152	366	371	377	rBB	417800	303619	50.60%	6.241%
21	4.376	404	409	415	rBB2	2482	2853	0.48%	0.059%
22	4.623	436	451	456	rBV	213805	163226	27.20%	3.355%
23	5.205	545	550	555	rVB	501069	387033	64.50%	7.956%
24	6.146	702	710	716	rBB	491383	362468	60.41%	7.451%
25	6.735	804	810	817	rBB	579324	469425	78.24%	9.649%
26	7.123	871	876	878	rBV	1412	1797	0.30%	0.037%
27	7.158	878	882	890	rVB	25485	20396	3.40%	0.419%
28	7.323	907	910	916	rBV2	932	1337	0.22%	0.027%
29	7.388	916	921	923	rVB	1168	1178	0.20%	0.024%
30	7.470	928	935	941	rBV	202058	167030	27.84%	3.433%
31	7.541	942	947	949	rVB2	1626	1913	0.32%	0.039%
32	7.570	949	952	960	rBB	27520	26976	4.50%	0.554%
33	7.641	960	964	968	rBB	989	1166	0.19%	0.024%
34	7.864	998	1002	1009	rVB	17337	16307	2.72%	0.335%
35	8.011	1025	1027	1030	rBV	2065	1889	0.31%	0.039%
36	8.135	1043	1048	1053	rBV	555548	500019	83.33%	10.278%
37	8.182	1053	1056	1061	rVB	4422	3286	0.55%	0.068%
38	8.382	1086	1090	1093	rVB	1898	1401	0.23%	0.029%
39	8.717	1140	1147	1151	rBV3	3330	5049	0.84%	0.104%
40	8.799	1155	1161	1171	rVB	24343	21954	3.66%	0.451%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32873.D
Acq On : 21 Aug 2013 8:33 am
Operator : kristinr
Sample : OP34472-MB
Misc : OP34472,MSR1199,20.64,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

41	8.899	1175	1178	1182	rVB	897	1200	0.20%	0.025%
42	9.005	1192	1196	1200	rBV	1652	1641	0.27%	0.034%
43	9.058	1200	1205	1208	rVB	1117	1308	0.22%	0.027%
44	9.105	1208	1213	1219	rBB	734	1752	0.29%	0.036%
45	9.223	1231	1233	1238	rVB2	740	1323	0.22%	0.027%
46	9.317	1244	1249	1254	rBV2	874	2087	0.35%	0.043%
47	9.358	1254	1256	1261	rVB	1531	1457	0.24%	0.030%
48	9.423	1266	1267	1271	rBV	1167	1306	0.22%	0.027%
49	9.464	1271	1274	1280	rVB	12571	12152	2.03%	0.250%
50	9.676	1307	1310	1314	rBV	1127	1330	0.22%	0.027%
51	9.752	1320	1323	1329	rBV2	996	1993	0.33%	0.041%
52	9.882	1338	1345	1351	rBV	566979	536974	89.49%	11.038%
53	9.929	1351	1353	1356	rVB	1125	1268	0.21%	0.026%
54	10.005	1361	1366	1369	rBV2	1634	2353	0.39%	0.048%
55	10.111	1382	1384	1389	rVB2	1040	1481	0.25%	0.030%
56	10.211	1400	1401	1407	rBV2	1282	2285	0.38%	0.047%
57	10.370	1419	1428	1435	rBV4	1621	3710	0.62%	0.076%
58	10.499	1446	1450	1452	rVB3	2479	2788	0.46%	0.057%
59	10.540	1455	1457	1461	rBV	1215	1658	0.28%	0.034%
60	10.617	1468	1470	1473	rBV2	1483	1723	0.29%	0.035%
61	10.717	1484	1487	1489	rVB	1526	1131	0.19%	0.023%
62	10.776	1493	1497	1500	rBV3	911	1154	0.19%	0.024%
63	10.834	1505	1507	1516	rVB3	1400	2672	0.45%	0.055%
64	10.899	1516	1518	1521	rBV2	1460	1878	0.31%	0.039%
65	10.923	1521	1522	1526	rVB3	1094	1210	0.20%	0.025%
66	10.970	1526	1530	1531	rBV2	1885	2172	0.36%	0.045%
67	10.987	1531	1533	1538	rVB3	2163	2275	0.38%	0.047%
68	11.040	1538	1542	1546	rBV2	1942	2871	0.48%	0.059%
69	11.099	1546	1552	1559	rBV	521710	587385	97.90%	12.074%
70	11.205	1567	1570	1573	rVB2	4283	3827	0.64%	0.079%
71	11.323	1586	1590	1591	rBV3	1895	1644	0.27%	0.034%
72	11.340	1592	1593	1596	rVV3	2204	1437	0.24%	0.030%
73	11.393	1597	1602	1604	rVB5	1743	2202	0.37%	0.045%
74	11.434	1605	1609	1612	rVB5	1826	2391	0.40%	0.049%
75	11.487	1617	1618	1623	rBV3	2981	4508	0.75%	0.093%
76	11.534	1623	1626	1627	rVB2	2400	2045	0.34%	0.042%
77	11.552	1627	1629	1630	rBV2	2347	2025	0.34%	0.042%
78	11.599	1632	1637	1642	rVV7	3512	5990	1.00%	0.123%
79	11.640	1642	1644	1646	rVB3	3507	2315	0.39%	0.048%
80	11.664	1646	1648	1649	rBV3	2541	1970	0.33%	0.040%
81	11.681	1650	1651	1653	rVV2	1892	1180	0.20%	0.024%
82	11.717	1653	1657	1660	rVB5	1735	2896	0.48%	0.060%
83	11.740	1660	1661	1665	rBV4	3259	3112	0.52%	0.064%
84	11.776	1665	1667	1673	rBV6	2419	4392	0.73%	0.090%
85	11.828	1673	1676	1680	rVV5	1971	2537	0.42%	0.052%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32873.D
Acq On : 21 Aug 2013 8:33 am
Operator : kristinr
Sample : OP34472-MB
Misc : OP34472,MSR1199,20.64,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

86	11.893	1685	1687	1689	rBV4	1887	1898	0.32%	0.039%
87	11.928	1691	1693	1696	rVB3	3954	4247	0.71%	0.087%
88	11.976	1696	1701	1705	rBV6	4534	9132	1.52%	0.188%
89	12.023	1708	1709	1711	rBV2	2807	1835	0.31%	0.038%
90	12.052	1711	1714	1719	rVV7	3507	7201	1.20%	0.148%
91	12.128	1719	1727	1729	rVV7	2571	5938	0.99%	0.122%
92	12.158	1729	1732	1735	rBV5	2983	3453	0.58%	0.071%
93	12.217	1740	1742	1747	rVB5	3520	4332	0.72%	0.089%
94	12.293	1748	1755	1758	rBV8	2456	6384	1.06%	0.131%
95	12.411	1773	1775	1782	rVB7	3997	6797	1.13%	0.140%
96	12.493	1782	1789	1791	rBV7	5906	12604	2.10%	0.259%
97	12.681	1815	1821	1832	rBV	520634	600014	100.00%	12.333%
98	13.264	1918	1920	1924	rBV5	4412	4498	0.75%	0.092%
99	14.317	2097	2099	2123	rBV5	6951	35489	5.91%	0.729%
100	14.475	2123	2126	2129	rBV5	6472	8789	1.46%	0.181%

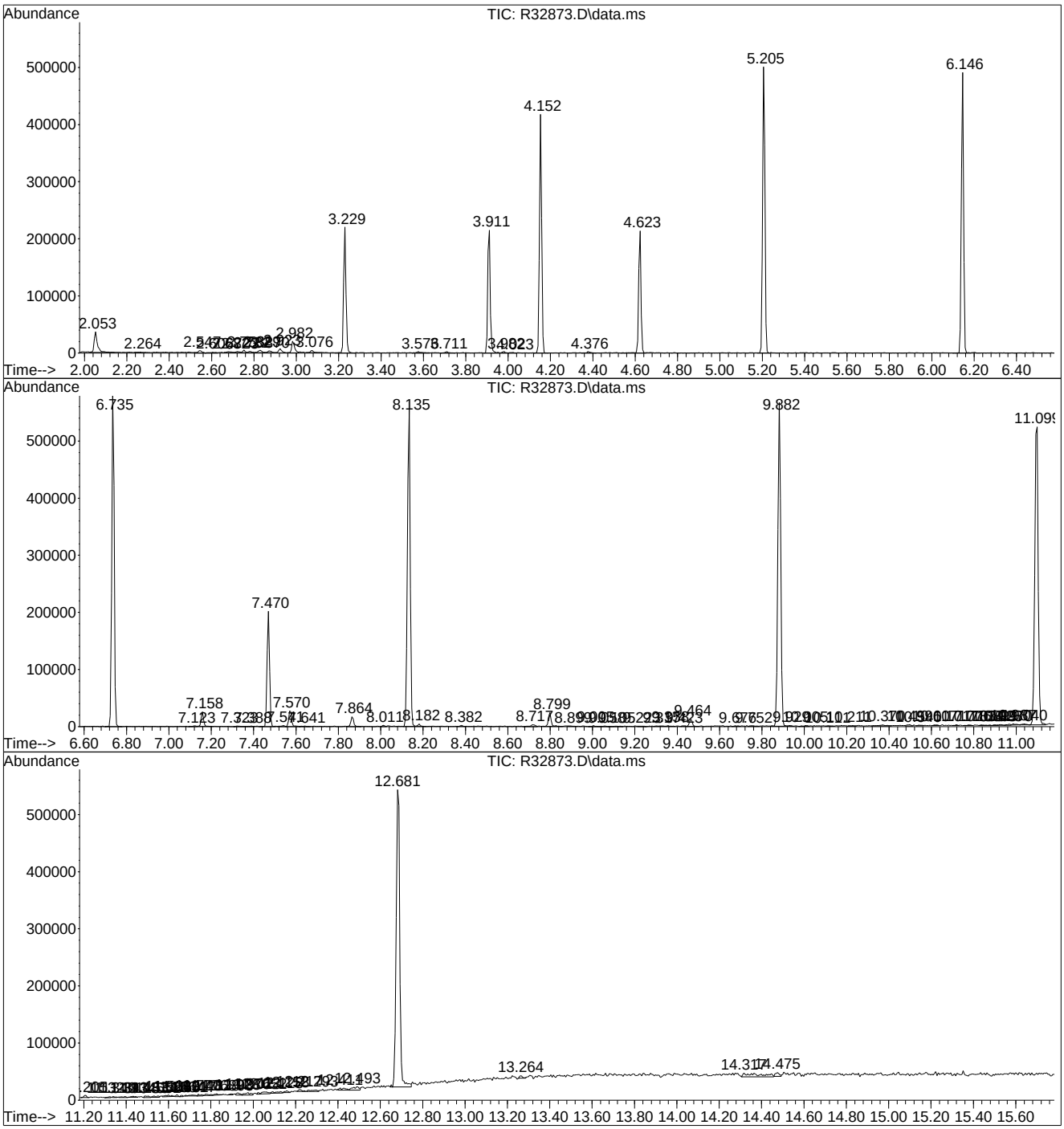
Sum of corrected areas: 4864940

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\R130821\
Data File : R32873.D
Acq On : 21 Aug 2013 8:33 am
Operator : kristinr
Sample : OP34472-MB
Misc : OP34472,MSR1199,20.64,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32873.D
Acq On : 21 Aug 2013 8:33 am
Operator : kristinr
Sample : OP34472-MB
Misc : OP34472,MSR1199,20.64,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

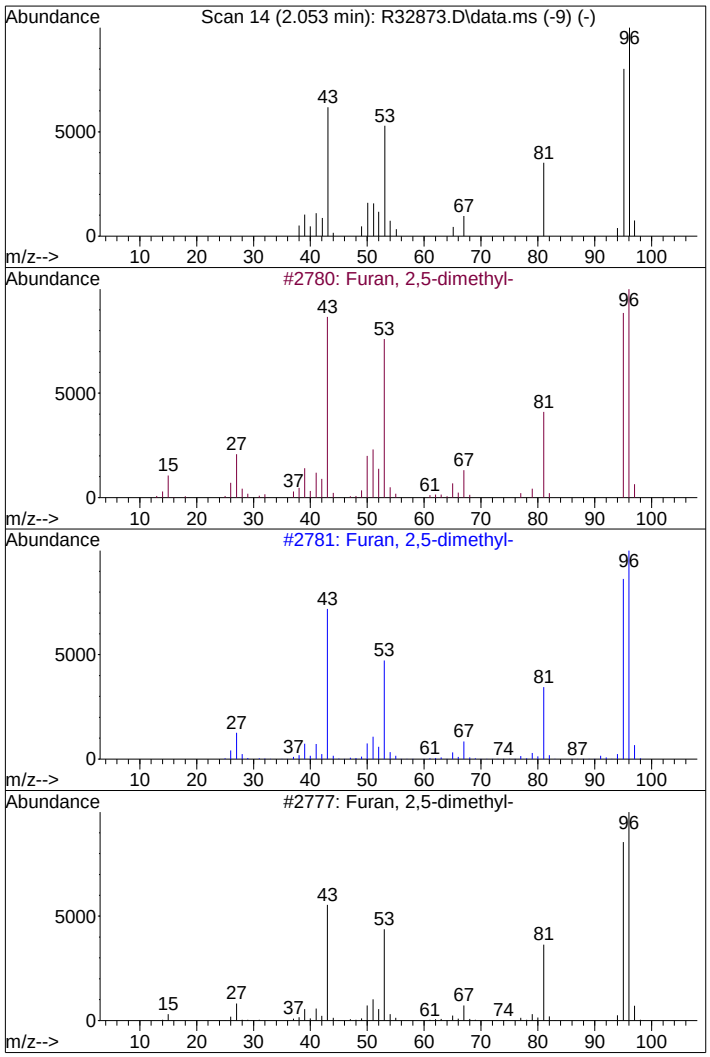
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

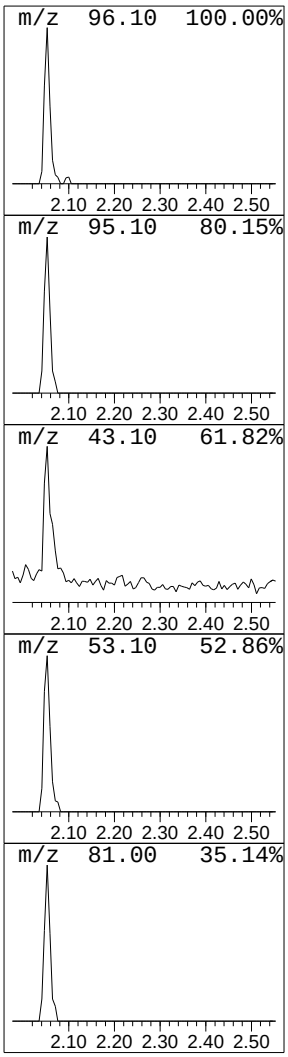
****

Peak Number 1 Furan, 2,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.053	5.12 ppm	38886	1,4-Dichlorobenzene-d4A	4.152

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	95
2	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	91
3	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	91
4	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	78
5	Furan, 2,4-dimethyl-	96	C6H8O	003710-43-8	72





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\R130821\
Data File : R32873.D
Acq On : 21 Aug 2013 8:33 am
Operator : kristinr
Sample : OP34472-MB
Misc : OP34472,MSR1199,20.64,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Furan, 2,5-dime...	2.053	5.1	ppm	38886	1	4.152	303619	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 08/26/13 14:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32874.D
Acq On : 21 Aug 2013 8:55 am
Operator : kristinr
Sample : OP34472-BS
Misc : OP34472,MSR1199,20.10,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 11:12:16 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	52818	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	52818	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	187072	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	187072	40.00	ppm	#-0.08
43) Acenaphthene-d10	6.735	164	114245	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.735	164	114245	40.00	ppm	-0.08
67) Phenanthrene-d10	8.135	188	193981	40.00	ppm	-0.09
80) Phenanthrene-d10a	8.135	188	193981	40.00	ppm	-0.09
82) Chrysene-d12	11.099	240	221844	40.00	ppm	-0.10
92) Perylene-d12	12.687	264	206539	40.00	ppm	-0.10
100) Naphthalene-d8b	5.205	136	187072	40.00	ug/mL	#-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.229	112	52570	32.83	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 32.83%			
7) Phenol-d5	3.911	99	68358	33.72	ppm	-0.05
Spiked Amount 100.000	Range 30 - 130		Recovery = 33.72%			
24) Nitrobenzene-d5	4.623	82	57529	32.18	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 64.36%			
48) 2-Fluorobiphenyl	6.146	172	136699	35.97	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 71.94%			
71) 2,4,6-Tribromophenol	7.470	330	21369	36.76	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.76%			
85) Terphenyl-d14	9.881	244	171431	36.10	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 72.20%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.294	74	33951	32.70	ug/l #	70
3) Pyridine	2.311	79	51617	27.34	ppm	81
4) Aniline	3.929	93	65378	27.18	ppm #	1
6) bis(2-Chloroethyl)ether	3.964	63	44908	39.31	ppm	81
8) Phenol	3.917	94	77968	38.65	ppm	95
9) 2-Chlorophenol	4.023	128	61958	36.45	ppm	99
10) 1,3-Dichlorobenzene	4.129	146	69418	36.11	ppm	98
11) 1,4-Dichlorobenzene	4.164	146	73040	36.52	ppm	95
12) 1,2-Dichlorobenzene	4.317	146	69584	38.85	ppm	100
13) Benzyl alcohol	4.276	108	37992	34.76	ppm	91
14) bis(2-chloroisopropyl)...	4.399	45	94175	48.28	ppm	80
15) o-cresol	4.388	108	52405	35.84	ppm	81
16) Acetophenone	4.494	105	84719	35.10	ppm	89
17) Hexachloroethane	4.564	117	26292	35.24	ppm	97
18) N-Nitroso-di-n-propyla...	4.511	70	41015	36.17	ppm	80
19) m+p-cresols	4.505	108	113276	70.73	ppm	100
20) 4-methylphenol	4.505	108	113276	70.74	ppm	100
22) Benzaldehyde	3.823	77	19202m	14.74	ppm	
25) Nitrobenzene	4.635	77	61717	34.19	ppm	93
26) Isophorone	4.823	82	110751	36.85	ppm	96
27) 2-Nitrophenol	4.905	139	32108	37.35	ppm	97
28) 2,4-Dimethylphenol	4.935	107	57000	35.77	ppm	100
29) bis(2-Chloroethoxy)met...	5.005	93	69970	38.60	ppm	96
30) Benzoic acid	5.023	105	41732	36.39	ppm	92
31) 2,4-Dichlorophenol	5.105	162	55522	39.55	ppm	98
32) 1,2,4-Trichlorobenzene	5.170	180	64233	41.11	ppm	97
33) Naphthalene	5.223	128	258987	53.07	ppm	99
34) 2,6-Dichlorophenol	5.299	162	53595	38.53	ppm	94
35) 4-Chloroaniline	5.288	127	69761	34.43	ppm	100
36) Hexachlorobutadiene	5.376	225	37889	38.88	ppm	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32874.D
Acq On : 21 Aug 2013 8:55 am
Operator : kristinr
Sample : OP34472-BS
Misc : OP34472,MSR1199,20.10,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 11:12:16 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

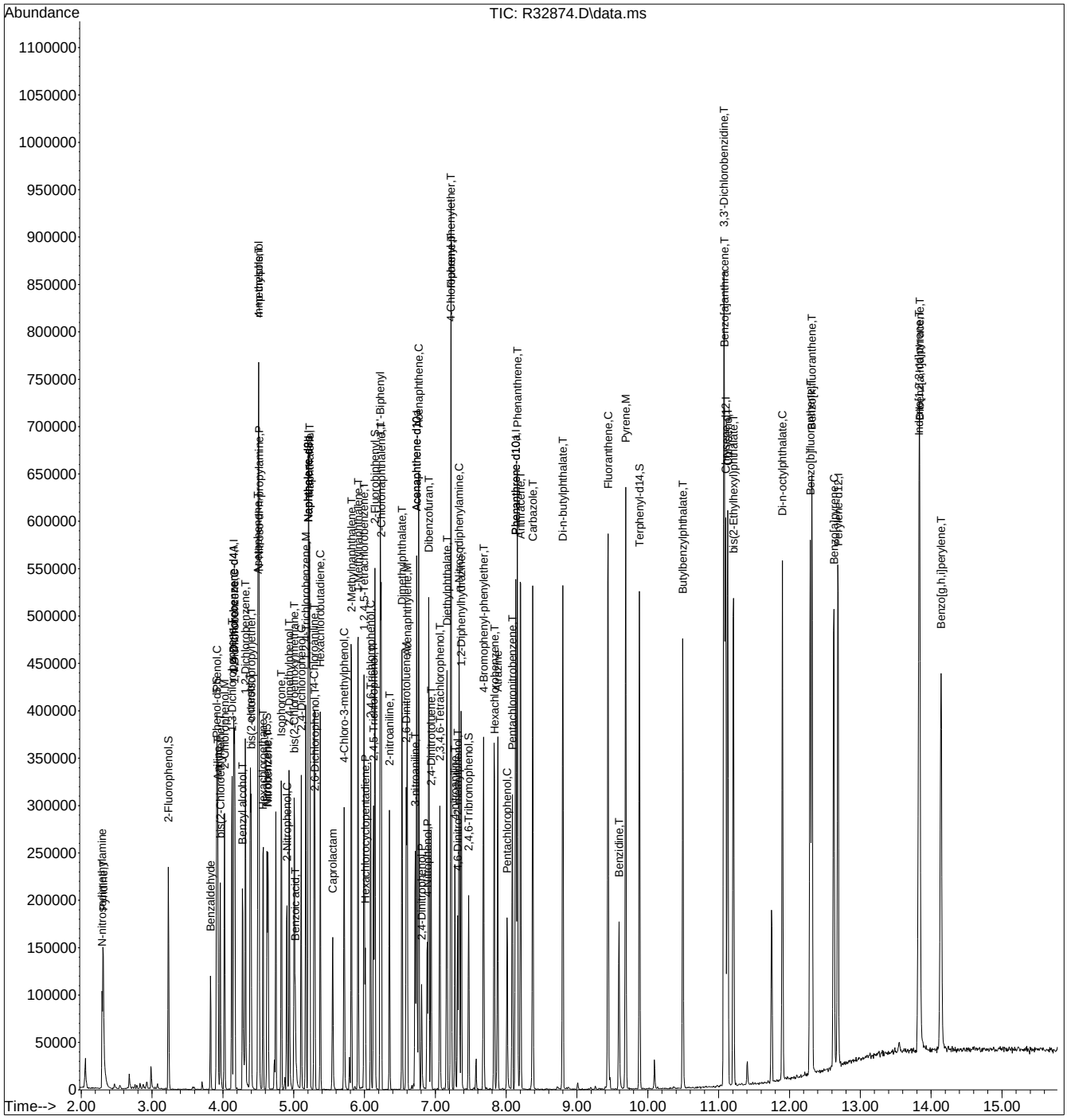
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Chloro-3-methylphenol	5.711	107	50642	37.38	ppm		97
38) 2-Methylnaphthalene	5.817	142	123099	35.95	ppm		99
39) 1-Methylnaphthalene	5.911	142	120706	36.29	ppm		97
40) 1,2,4,5-Tetrachloroben...	5.993	216	67941	37.52	ppm		98
42) Caprolactam	5.552	55	29276m	40.20	ppm		
44) Pentachloronitrobenzene	8.087	237	19412	40.00	ppm		93
45) Hexachlorocyclopentadiene	6.011	237	19014	17.00	ppm		98
46) 2,4,6-Trichlorophenol	6.088	196	41569	39.21	ppm		96
47) 2,4,5-Trichlorophenol	6.129	196	44944	40.23	ppm		99
49) 2-Chloronaphthalene	6.235	162	125943	41.30	ppm		99
50) Acenaphthylene	6.605	152	166445	33.54	ppm		99
51) Dimethylphthalate	6.529	163	153859	44.14	ppm		99
52) 2,4-Dinitrotoluene	6.940	165	45498	43.34	ppm		97
53) Acenaphthene	6.764	153	133071	41.45	ppm		97
54) 2,4-Dinitrophenol	6.805	184	14286	26.21	ppm		83
55) Dibenzofuran	6.905	168	183256	40.31	ppm		98
56) 2,6-Dinitrotoluene	6.588	165	32363	40.71	ppm		84
57) 4-Nitrophenol	6.888	65	23638	34.11	ppm		95
58) 2,3,4,6-Tetrachlorophenol	7.064	232	34845	36.50	ppm		97
59) Fluorene	7.223	166	155788	42.61	ppm		99
60) 4-Chlorophenyl-phenyle...	7.217	204	78108	43.76	ppm		98
61) Diethylphthalate	7.164	149	161732	46.58	ppm		98
62) 2-nitroaniline	6.352	138	41831	43.09	ppm		89
63) 3-nitroaniline	6.717	138	33223	38.43	ppm		96
64) 4-nitroaniline	7.276	138	36082	42.16	ppm		97
66) 1,1'-Biphenyl	6.223	154	157989	37.85	ppm	#	100
68) 4,6-Dinitro-2-methylph...	7.317	198	26230	37.20	ppm		100
69) n-Nitrosodiphenylamine	7.335	169	104537	41.33	ppm		97
70) 1,2-Diphenylhydrazine	7.364	77	134439	40.88	ppm		98
72) 4-Bromophenyl-phenylether	7.682	248	45456	43.42	ppm		96
73) Hexachlorobenzene	7.835	284	49544	41.83	ppm		89
74) Pentachlorophenol	8.011	266	22134	28.82	ppm		97
75) Phenanthrene	8.158	178	233592	44.58	ppm		99
76) Anthracene	8.205	178	228585	42.51	ppm		99
77) Carbazole	8.376	167	217068	45.31	ppm		99
78) Di-n-butylphthalate	8.799	149	269713	46.50	ppm		100
79) Fluoranthene	9.440	202	260143	47.04	ppm		99
81) Atrazine	7.882	200	40492m	42.68	ppm		
83) Benzidine	9.593	184	73406	36.13	ppm		99
84) Pyrene	9.687	202	273324	43.11	ppm		99
87) Butylbenzylphthalate	10.493	149	117653	44.86	ppm		98
88) 3,3'-Dichlorobenzidine	11.076	252	84095	36.49	ppm		99
89) Benzo[a]anthracene	11.081	228	262040	45.69	ppm		99
90) Chrysene	11.128	228	244225	42.82	ppm		99
91) bis(2-Ethylhexyl)phtha...	11.211	149	173754	44.51	ppm		97
93) Di-n-octylphthalate	11.899	149	291566	47.80	ppm		100
94) Benzo[b]fluoranthene	12.293	252	269322	45.50	ppm		97
95) Benzo[k]fluoranthene	12.317	252	258041	44.74	ppm		98
96) Benzo[a]pyrene	12.628	252	215713	41.35	ppm		97
97) Indeno[1,2,3-cd]pyrene	13.828	276	288748	44.34	ppm		91
98) Dibenz[a,h]anthracene	13.840	278	231184m	43.97	ppm		
99) Benzo[g,h,i]perylene	14.140	276	244754	45.26	ppm		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32874.D
Acq On : 21 Aug 2013 8:55 am
Operator : kristinr
Sample : OP34472-BS
Misc : OP34472,MSR1199,20.10,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 11:12:16 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 08/26/13 14:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32875.D
Acq On : 21 Aug 2013 9:17 am
Operator : kristinr
Sample : OP34472-BSD
Misc : OP34472,MSR1199,20.97,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 11:19:23 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	52560	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	52560	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	194560	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	194560	40.00	ppm	#-0.08
43) Acenaphthene-d10	6.735	164	118355	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.735	164	118355	40.00	ppm	-0.08
67) Phenanthrene-d10	8.134	188	200234	40.00	ppm	-0.09
80) Phenanthrene-d10a	8.134	188	200234	40.00	ppm	-0.09
82) Chrysene-d12	11.099	240	225405	40.00	ppm	-0.10
92) Perylene-d12	12.687	264	213179	40.00	ppm	-0.10
100) Naphthalene-d8b	5.205	136	194560	40.00	ug/mL	#-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.229	112	48270	30.29	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 30.29%			
7) Phenol-d5	3.911	99	62547	31.00	ppm	-0.05
Spiked Amount 100.000	Range 30 - 130		Recovery = 31.00%			
24) Nitrobenzene-d5	4.623	82	53826	28.95	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 57.90%			
48) 2-Fluorobiphenyl	6.146	172	129164	32.81	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 65.62%			
71) 2,4,6-Tribromophenol	7.470	330	19260	32.10	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 32.10%			
85) Terphenyl-d14	9.881	244	166430	34.49	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 68.98%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.294	74	30302	29.33	ug/l	# 73
3) Pyridine	2.305	79	44644	23.76	ppm	75
4) Aniline	3.929	93	58087	24.26	ppm	# 1
6) bis(2-Chloroethyl)ether	3.964	63	39482	34.73	ppm	83
8) Phenol	3.917	94	71892	35.82	ppm	95
9) 2-Chlorophenol	4.023	128	54360	32.14	ppm	98
10) 1,3-Dichlorobenzene	4.129	146	62420	32.63	ppm	100
11) 1,4-Dichlorobenzene	4.164	146	62127	31.22	ppm	98
12) 1,2-Dichlorobenzene	4.317	146	61608	34.56	ppm	97
13) Benzyl alcohol	4.276	108	35188	32.36	ppm	99
14) bis(2-chloroisopropyl)...	4.399	45	85125	43.86	ppm	80
15) o-cresol	4.388	108	48672	33.45	ppm	84
16) Acetophenone	4.494	105	75809	31.56	ppm	91
17) Hexachloroethane	4.564	117	22935	30.90	ppm	97
18) N-Nitroso-di-n-propyla...	4.511	70	37426	33.17	ppm	86
19) m+p-cresols	4.505	108	105506	66.20	ppm	99
20) 4-methylphenol	4.505	108	105506	66.21	ppm	99
22) Benzaldehyde	3.823	77	16995m	13.11	ppm	
25) Nitrobenzene	4.635	77	56991	30.36	ppm	88
26) Isophorone	4.823	82	103230	33.02	ppm	98
27) 2-Nitrophenol	4.905	139	29038	32.48	ppm	97
28) 2,4-Dimethylphenol	4.935	107	53117	32.05	ppm	97
29) bis(2-Chloroethoxy)met...	5.005	93	63564	33.72	ppm	98
30) Benzoic acid	5.017	105	39911	33.85	ppm	96
31) 2,4-Dichlorophenol	5.105	162	49858	34.14	ppm	96
32) 1,2,4-Trichlorobenzene	5.170	180	56448	34.74	ppm	98
33) Naphthalene	5.223	128	230151	45.34	ppm	99
34) 2,6-Dichlorophenol	5.299	162	50001	34.57	ppm	93
35) 4-Chloroaniline	5.288	127	66331	31.48	ppm	100
36) Hexachlorobutadiene	5.376	225	32673	32.23	ppm	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32875.D
Acq On : 21 Aug 2013 9:17 am
Operator : kristinr
Sample : OP34472-BSD
Misc : OP34472,MSR1199,20.97,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 11:19:23 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

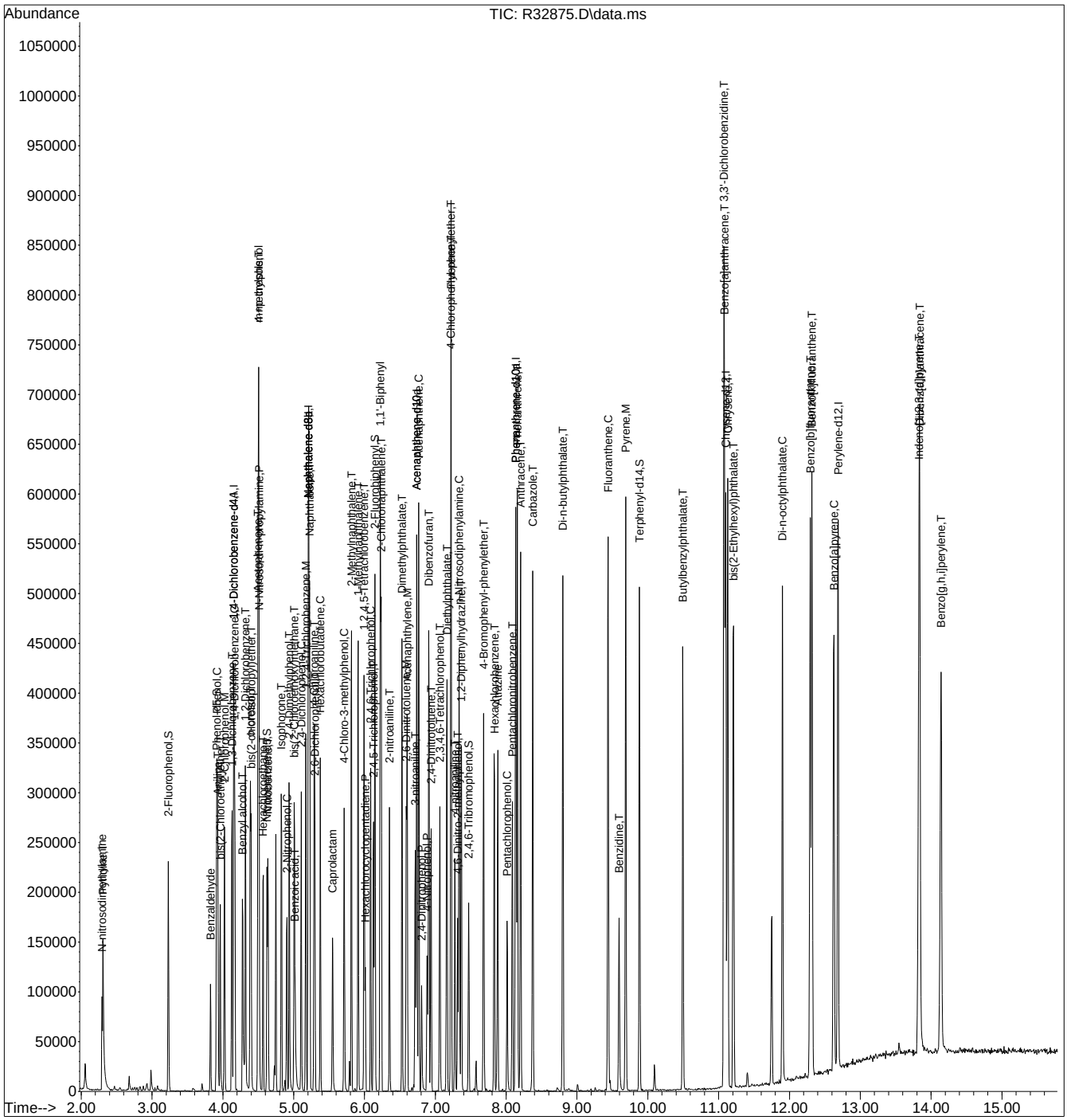
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	4-Chloro-3-methylphenol	5.711	107	46236	32.81	ppm		98
38)	2-Methylnaphthalene	5.817	142	113134	31.77	ppm		97
39)	1-Methylnaphthalene	5.911	142	110242	31.87	ppm		100
40)	1,2,4,5-Tetrachloroben...	5.993	216	62444	33.16	ppm		96
42)	Caprolactam	5.546	55	27117m	36.00	ppm		
44)	Pentachloronitrobenzene	8.087	237	16404	32.63	ppm		98
45)	Hexachlorocyclopentadiene	6.011	237	16269	14.04	ppm		99
46)	2,4,6-Trichlorophenol	6.088	196	39203	35.70	ppm		99
47)	2,4,5-Trichlorophenol	6.129	196	42293	36.54	ppm		95
49)	2-Chloronaphthalene	6.235	162	121762	38.54	ppm		98
50)	Acenaphthylene	6.605	152	156623	30.47	ppm		99
51)	Dimethylphthalate	6.529	163	144176	39.92	ppm		99
52)	2,4-Dinitrotoluene	6.940	165	43503	40.00	ppm		98
53)	Acenaphthene	6.764	153	123718	37.20	ppm		98
54)	2,4-Dinitrophenol	6.805	184	13570	24.03	ppm		83
55)	Dibenzofuran	6.905	168	172625	36.65	ppm		94
56)	2,6-Dinitrotoluene	6.587	165	30699	37.27	ppm		95
57)	4-Nitrophenol	6.882	65	22127	30.82	ppm		97
58)	2,3,4,6-Tetrachlorophenol	7.064	232	32118	32.47	ppm		98
59)	Fluorene	7.223	166	147629	38.98	ppm		100
60)	4-Chlorophenyl-phenyle...	7.217	204	74112	40.08	ppm		95
61)	Diethylphthalate	7.164	149	151680	42.17	ppm		98
62)	2-nitroaniline	6.352	138	38540	38.32	ppm		83
63)	3-nitroaniline	6.717	138	32682	36.50	ppm		92
64)	4-nitroaniline	7.276	138	33164	37.40	ppm		91
66)	1,1'-Biphenyl	6.223	154	149174	34.50	ppm	#	100
68)	4,6-Dinitro-2-methylph...	7.317	198	23896	33.26	ppm		100
69)	n-Nitrosodiphenylamine	7.335	169	97223	37.24	ppm		98
70)	1,2-Diphenylhydrazine	7.364	77	125524	36.98	ppm		98
72)	4-Bromophenyl-phenylether	7.682	248	43787	40.52	ppm		96
73)	Hexachlorobenzene	7.834	284	46976	38.43	ppm		90
74)	Pentachlorophenol	8.011	266	21318	26.89	ppm		93
75)	Phenanthrene	8.158	178	219539	40.59	ppm		99
76)	Anthracene	8.205	178	217817	39.24	ppm		98
77)	Carbazole	8.376	167	206418	41.74	ppm		99
78)	Di-n-butylphthalate	8.799	149	257407	42.99	ppm		99
79)	Fluoranthene	9.440	202	248858	43.60	ppm		99
81)	Atrazine	7.882	200	38719m	39.53	ppm		
83)	Benzidine	9.593	184	71006	34.40	ppm		96
84)	Pyrene	9.687	202	258042	40.06	ppm		98
87)	Butylbenzylphthalate	10.493	149	108247	40.62	ppm		97
88)	3,3'-Dichlorobenzidine	11.075	252	81073	34.73	ppm		98
89)	Benzo[a]anthracene	11.081	228	252515	43.33	ppm		100
90)	Chrysene	11.128	228	236191	40.76	ppm		98
91)	bis(2-Ethylhexyl)phtha...	11.211	149	158763	40.21	ppm		98
93)	Di-n-octylphthalate	11.899	149	270664	43.48	ppm		100
94)	Benzo[b]fluoranthene	12.293	252	253010	41.41	ppm		98
95)	Benzo[k]fluoranthene	12.317	252	235604	39.57	ppm		99
96)	Benzo[a]pyrene	12.628	252	202653	37.64	ppm		97
97)	Indeno[1,2,3-cd]pyrene	13.828	276	268656	39.97	ppm		94
98)	Dibenz[a,h]anthracene	13.840	278	216551	39.90	ppm		99
99)	Benzo[g,h,i]perylene	14.140	276	229292	41.08	ppm		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32875.D
Acq On : 21 Aug 2013 9:17 am
Operator : kristinr
Sample : OP34472-BSD
Misc : OP34472,MSR1199,20.97,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 11:19:23 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 08/27/13 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32899.D
Acq On : 21 Aug 2013 7:32 pm
Operator : kristinr
Sample : OP34472-MS
Misc : OP34472,MSR1200,20.36,,,1,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 27 10:10:18 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	59948	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	59948	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	218396	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	218396	40.00	ppm	-0.08
43) Acenaphthene-d10	6.735	164	133004	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.735	164	133004	40.00	ppm	-0.08
67) Phenanthrene-d10	8.135	188	227180m	40.00	ppm	-0.09
80) Phenanthrene-d10a	8.135	188	227180m	40.00	ppm	-0.09
82) Chrysene-d12	11.099	240	252385	40.00	ppm	-0.10
92) Perylene-d12	12.681	264	243313	40.00	ppm	-0.11
100) Naphthalene-d8b	5.205	136	218396	40.00	ug/mL	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.229	112	50833	27.97	ppm	-0.08
Spiked Amount 100.000	Range 30 - 130		Recovery = 27.97%#			
7) Phenol-d5	3.905	99	70366	30.58	ppm	-0.06
Spiked Amount 100.000	Range 30 - 130		Recovery = 30.58%			
24) Nitrobenzene-d5	4.623	82	56991	27.31	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 54.62%			
48) 2-Fluorobiphenyl	6.146	172	152934	34.57	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 69.14%			
71) 2,4,6-Tribromophenol	7.470	330	23321	34.26	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 34.26%			
85) Terphenyl-d14	9.882	244	202048	37.40	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 74.80%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.294	74	29291	24.85	ug/l #	58
3) Pyridine	2.311	79	43260	20.19	ppm	78
4) Aniline	3.929	93	53814	19.71	ppm #	1
6) bis(2-Chloroethyl)ether	3.964	63	41387	31.92	ppm	88
8) Phenol	3.917	94	80342	35.09	ppm	98
9) 2-Chlorophenol	4.023	128	59686	30.94	ppm	98
10) 1,3-Dichlorobenzene	4.129	146	66802	30.61	ppm	99
11) 1,4-Dichlorobenzene	4.164	146	69039	30.42	ppm	97
12) 1,2-Dichlorobenzene	4.317	146	67619	33.26	ppm	100
13) Benzyl alcohol	4.276	108	33913	27.34	ppm	96
14) bis(2-chloroisopropyl)...	4.400	45	91937	41.53	ppm	81
15) o-cresol	4.382	108	55759	33.60	ppm	84
16) Acetophenone	4.494	105	86346	31.52	ppm	88
17) Hexachloroethane	4.564	117	23433	27.68	ppm	94
18) N-Nitroso-di-n-propyla...	4.505	70	43091	33.48	ppm	76
19) m+p-cresols	4.500	108	119887	65.95	ppm	90
20) 4-methylphenol	4.500	108	119887	65.96	ppm	90
22) Benzaldehyde	3.823	77	19602m	13.25	ppm	
25) Nitrobenzene	4.635	77	62062	29.45	ppm	97
26) Isophorone	4.823	82	117785	33.57	ppm	98
27) 2-Nitrophenol	4.905	139	31778	31.66	ppm	97
28) 2,4-Dimethylphenol	4.935	107	60812	32.69	ppm	92
29) bis(2-Chloroethoxy)met...	5.005	93	73278	34.63	ppm	95
30) Benzoic acid	4.994	105	4168m	7.51	ppm	
31) 2,4-Dichlorophenol	5.105	162	59126	36.07	ppm	96
32) 1,2,4-Trichlorobenzene	5.170	180	66036	36.20	ppm	95
33) Naphthalene	5.223	128	299413	52.55	ppm	98
34) 2,6-Dichlorophenol	5.294	162	57768	35.58	ppm	97
35) 4-Chloroaniline	5.288	127	67569	28.57	ppm	100
36) Hexachlorobutadiene	5.376	225	37174	32.67	ppm	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32899.D
Acq On : 21 Aug 2013 7:32 pm
Operator : kristinr
Sample : OP34472-MS
Misc : OP34472,MSR1200,20.36,,,1,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 27 10:10:18 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

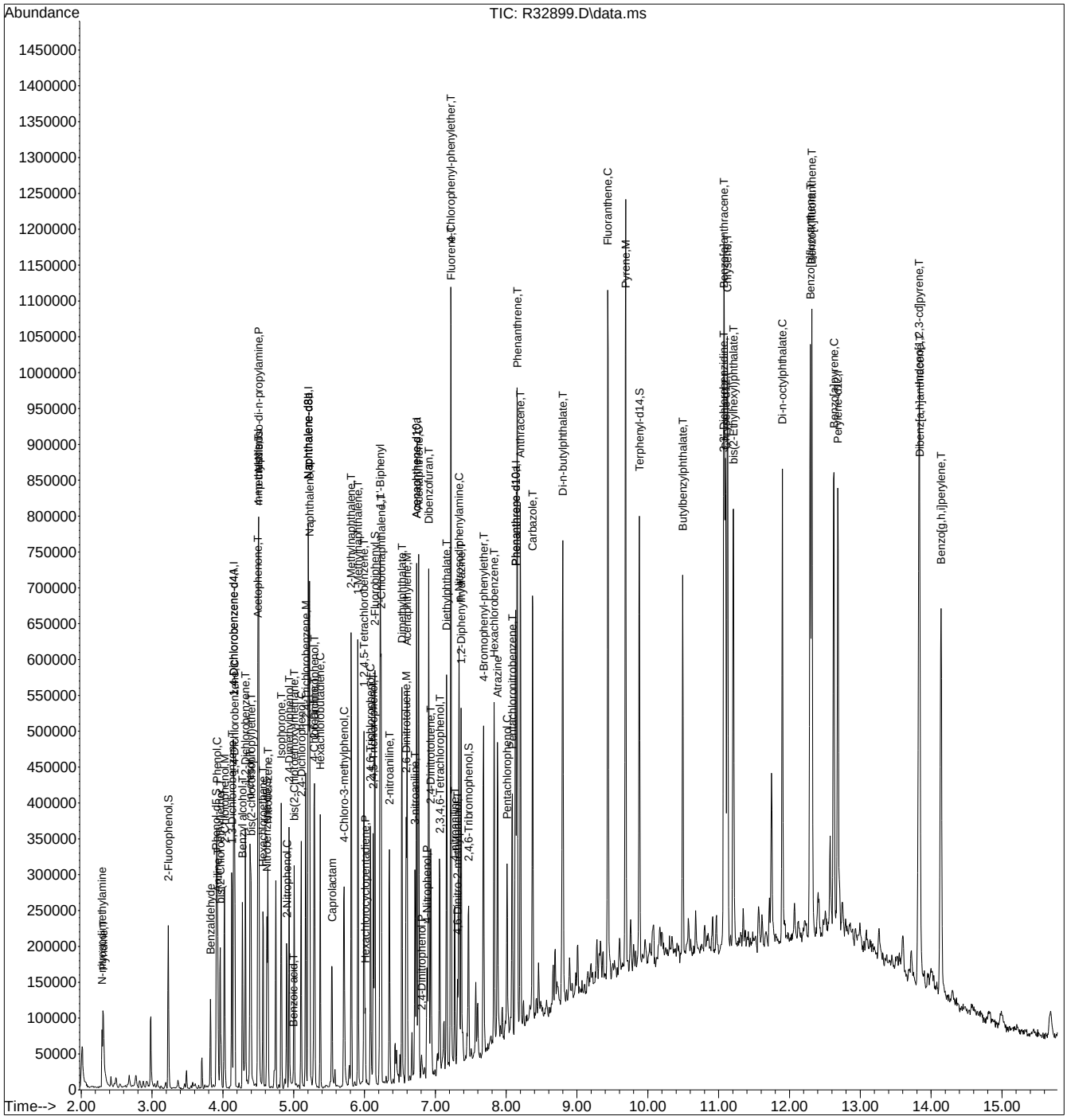
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Chloro-3-methylphenol	5.711	107	56974	36.02	ppm		98
38) 2-Methylnaphthalene	5.811	142	154500	38.65	ppm		99
39) 1-Methylnaphthalene	5.905	142	143865	37.05	ppm		98
40) 1,2,4,5-Tetrachloroben...	5.994	216	77219	36.53	ppm		97
42) Caprolactam	5.541	55	29662m	35.12	ppm		
44) Pentachloronitrobenzene	8.088	237	23390	41.40	ppm		97
45) Hexachlorocyclopentadiene	6.011	237	13857	10.64	ppm		96
46) 2,4,6-Trichlorophenol	6.082	196	46711	37.85	ppm		97
47) 2,4,5-Trichlorophenol	6.123	196	48851	37.56	ppm		97
49) 2-Chloronaphthalene	6.235	162	146828	41.36	ppm		99
50) Acenaphthylene	6.599	152	200611	34.72	ppm		99
51) Dimethylphthalate	6.529	163	177542	43.75	ppm		98
52) 2,4-Dinitrotoluene	6.935	165	52226	42.73	ppm		90
53) Acenaphthene	6.764	153	156141	41.78	ppm		98
54) 2,4-Dinitrophenol	6.805	184	3866	6.09	ppm		91
55) Dibenzofuran	6.905	168	233109	44.04	ppm		97
56) 2,6-Dinitrotoluene	6.588	165	38287	41.37	ppm		99
57) 4-Nitrophenol	6.882	65	25227	31.27	ppm		92
58) 2,3,4,6-Tetrachlorophenol	7.064	232	38485	34.62	ppm		95
59) Fluorene	7.223	166	185854	43.66	ppm		98
60) 4-Chlorophenyl-phenyle...	7.217	204	94032	45.25	ppm		97
61) Diethylphthalate	7.158	149	181693	44.95	ppm		98
62) 2-nitroaniline	6.352	138	50376	44.57	ppm		98
63) 3-nitroaniline	6.711	138	37858	37.62	ppm		95
64) 4-nitroaniline	7.276	138	36468	36.60	ppm		99
66) 1,1'-Biphenyl	6.223	154	185588	38.19	ppm	#	100
68) 4,6-Dinitro-2-methylph...	7.311	198	15042	20.08	ppm		100
69) n-Nitrosodiphenylamine	7.335	169	129213	43.62	ppm		98
70) 1,2-Diphenylhydrazine	7.364	77	153273m	39.79	ppm		
72) 4-Bromophenyl-phenylether	7.682	248	56227	45.86	ppm		92
73) Hexachlorobenzene	7.829	284	58322	42.05	ppm		97
74) Pentachlorophenol	8.011	266	20995	23.34	ppm		96
75) Phenanthrene	8.158	178	370166m	60.32	ppm		
76) Anthracene	8.199	178	286985	45.57	ppm		99
77) Carbazole	8.370	167	267307	47.64	ppm		100
78) Di-n-butylphthalate	8.799	149	322300	47.45	ppm		99
79) Fluoranthene	9.435	202	434773	67.13	ppm		100
81) Atrazine	7.876	200	48839m	43.95	ppm		
84) Pyrene	9.687	202	440747m	61.10	ppm		
87) Butylbenzylphthalate	10.493	149	133907	44.88	ppm		94
88) 3,3'-Dichlorobenzidine	11.070	252	45232	18.33	ppm		96
89) Benzo[a]anthracene	11.076	228	366171	56.12	ppm		98
90) Chrysene	11.123	228	355033	54.72	ppm		99
91) bis(2-Ethylhexyl)phtha...	11.211	149	212388	47.68	ppm		99
93) Di-n-octylphthalate	11.899	149	348405	48.41	ppm		97
94) Benzo[b]fluoranthene	12.293	252	380020	54.49	ppm		99
95) Benzo[k]fluoranthene	12.317	252	315675	46.46	ppm		98
96) Benzo[a]pyrene	12.628	252	285269	46.42	ppm		96
97) Indeno[1,2,3-cd]pyrene	13.828	276	359401m	46.85	ppm		
98) Dibenz[a,h]anthracene	13.840	278	278335m	44.93	ppm		
99) Benzo[g,h,i]perylene	14.140	276	327542m	51.42	ppm		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32899.D
Acq On : 21 Aug 2013 7:32 pm
Operator : kristinr
Sample : OP34472-MS
Misc : OP34472,MSR1200,20.36,,,1,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 27 10:10:18 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

Manual Integrations APPROVED
(compounds with "m" flag)
Kristin Renault
08/27/13 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32900.D
Acq On : 21 Aug 2013 7:54 pm
Operator : kristinr
Sample : OP34472-MSD
Misc : OP34472,MSR1200,20.18,,,1,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 27 10:12:46 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	64299	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	64299	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	239953	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	239953	40.00	ppm	-0.08
43) Acenaphthene-d10	6.734	164	147235	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.734	164	147235	40.00	ppm	-0.08
67) Phenanthrene-d10	8.134	188	254881	40.00	ppm	-0.09
80) Phenanthrene-d10a	8.134	188	254881	40.00	ppm	#-0.09
82) Chrysene-d12	11.099	240	276992m	40.00	ppm	-0.10
92) Perylene-d12	12.687	264	264154m	40.00	ppm	-0.10
100) Naphthalene-d8b	5.205	136	239953	40.00	ug/mL	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.229	112	50013	25.66	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 25.66%#			
7) Phenol-d5	3.905	99	71505	28.97	ppm	-0.06
Spiked Amount 100.000	Range 30 - 130		Recovery = 28.97%#			
24) Nitrobenzene-d5	4.623	82	56460	24.62	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 49.24%			
48) 2-Fluorobiphenyl	6.146	172	163534	33.39	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 66.78%			
71) 2,4,6-Tribromophenol	7.470	330	27558	36.08	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.08%			
85) Terphenyl-d14	9.881	244	239917	40.46	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 80.92%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.293	74	30286	23.96	ug/l #	63
3) Pyridine	2.311	79	43691	19.01	ppm	82
4) Aniline	3.929	93	56194	19.19	ppm #	1
6) bis(2-Chloroethyl)ether	3.964	63	44187	31.78	ppm	84
8) Phenol	3.917	94	83039	33.82	ppm	93
9) 2-Chlorophenol	4.023	128	63576	30.72	ppm	99
10) 1,3-Dichlorobenzene	4.129	146	68179	29.13	ppm	98
11) 1,4-Dichlorobenzene	4.164	146	70926	29.13	ppm	94
12) 1,2-Dichlorobenzene	4.317	146	67736	31.06	ppm	97
13) Benzyl alcohol	4.276	108	42023	31.59	ppm	97
14) bis(2-chloroisopropyl)...	4.399	45	95998	40.43	ppm	79
15) o-cresol	4.382	108	61689	34.66	ppm	85
16) Acetophenone	4.493	105	87810	29.89	ppm	89
17) Hexachloroethane	4.564	117	24917	27.44	ppm	96
18) N-Nitroso-di-n-propyla...	4.505	70	46042	33.35	ppm	74
19) m+p-cresols	4.505	108	133756	68.60	ppm	96
20) 4-methylphenol	4.505	108	133756	68.61	ppm	96
22) Benzaldehyde	3.823	77	20542m	12.95	ppm	
25) Nitrobenzene	4.635	77	66636	28.78	ppm	92
26) Isophorone	4.823	82	131917	34.22	ppm	99
27) 2-Nitrophenol	4.899	139	33065	29.98	ppm	94
28) 2,4-Dimethylphenol	4.934	107	69261	33.89	ppm	97
29) bis(2-Chloroethoxy)met...	5.005	93	77216	33.21	ppm	98
30) Benzoic acid	4.934	105	2355m	6.20	ppm	
31) 2,4-Dichlorophenol	5.105	162	68750	38.18	ppm	98
32) 1,2,4-Trichlorobenzene	5.170	180	66292	33.08	ppm	98
33) Naphthalene	5.223	128	336660	53.78	ppm	99
34) 2,6-Dichlorophenol	5.293	162	60697	34.02	ppm	99
35) 4-Chloroaniline	5.287	127	74063	28.50	ppm	100
36) Hexachlorobutadiene	5.376	225	39525	31.62	ppm	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32900.D
Acq On : 21 Aug 2013 7:54 pm
Operator : kristinr
Sample : OP34472-MSD
Misc : OP34472,MSR1200,20.18,,,1,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 27 10:12:46 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

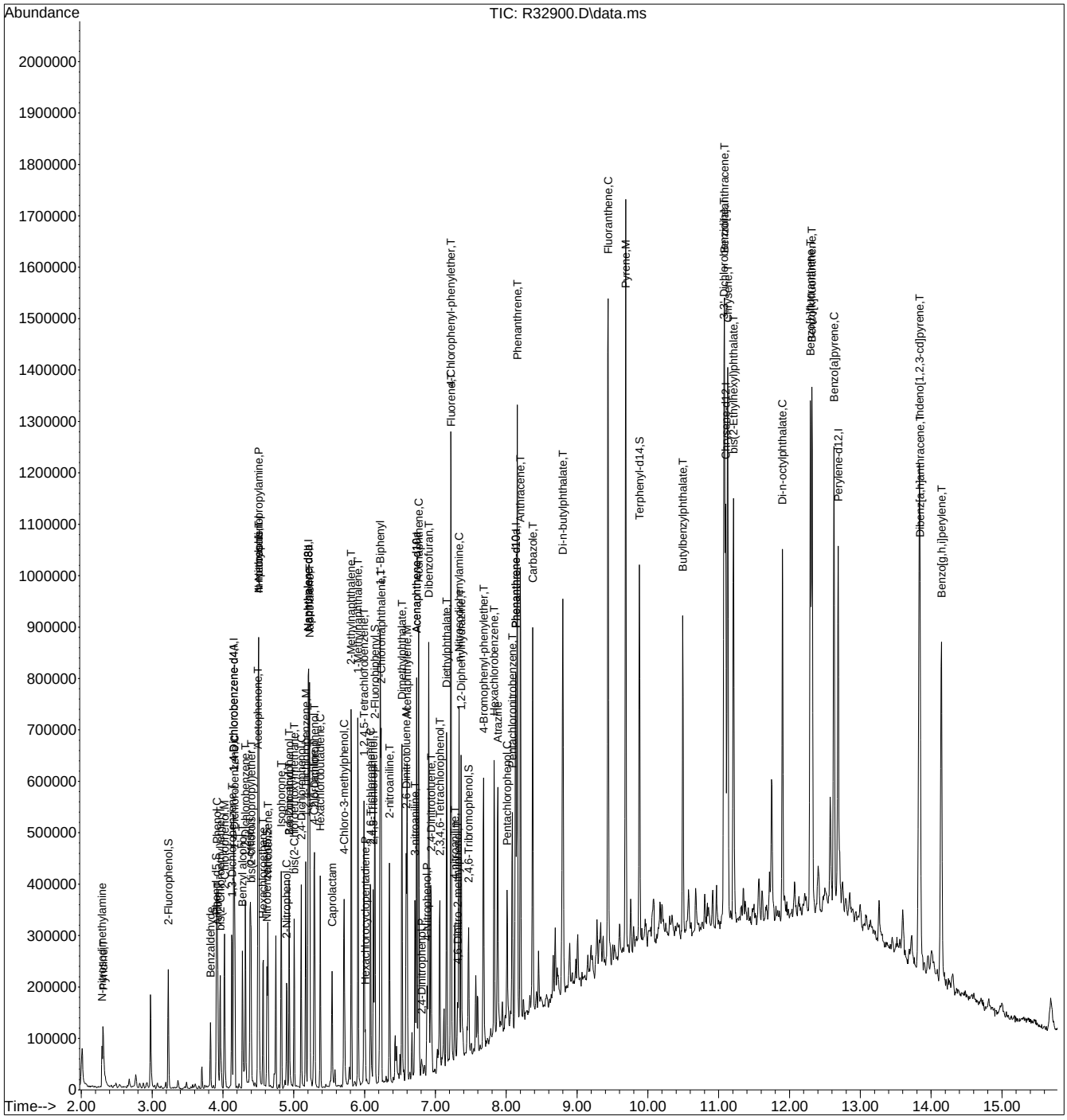
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Chloro-3-methylphenol	5.711	107	68897	39.65	ppm	95
38) 2-Methylnaphthalene	5.811	142	179624	40.90	ppm	99
39) 1-Methylnaphthalene	5.905	142	163718	38.37	ppm	98
40) 1,2,4,5-Tetrachloroben...	5.993	216	84243	36.27	ppm	99
42) Caprolactam	5.540	55	36359m	38.98	ppm	
44) Pentachloronitrobenzene	8.087	237	26778	42.82	ppm	96
45) Hexachlorocyclopentadiene	6.011	237	12769	8.86	ppm	89
46) 2,4,6-Trichlorophenol	6.087	196	53465	39.14	ppm	99
47) 2,4,5-Trichlorophenol	6.123	196	58650	40.74	ppm	99
49) 2-Chloronaphthalene	6.234	162	163039	41.48	ppm	99
50) Acenaphthylene	6.599	152	232493	36.35	ppm	98
51) Dimethylphthalate	6.529	163	210977	46.96	ppm	99
52) 2,4-Dinitrotoluene	6.940	165	63950	47.27	ppm	92
53) Acenaphthene	6.764	153	178005	43.02	ppm	97
54) 2,4-Dinitrophenol	6.805	184	3811	5.42	ppm	75
55) Dibenzofuran	6.905	168	275522	47.03	ppm	95
56) 2,6-Dinitrotoluene	6.587	165	45321	44.24	ppm	100
57) 4-Nitrophenol	6.881	65	31125	34.85	ppm	95
58) 2,3,4,6-Tetrachlorophenol	7.064	232	40442	32.87	ppm	95
59) Fluorene	7.223	166	220518	46.80	ppm	96
60) 4-Chlorophenyl-phenyle...	7.217	204	107052	46.53	ppm	98
61) Diethylphthalate	7.158	149	213419	47.69	ppm	97
62) 2-nitroaniline	6.352	138	58638	46.87	ppm	93
63) 3-nitroaniline	6.711	138	41465	37.22	ppm	93
64) 4-nitroaniline	7.276	138	43506	39.44	ppm	97
66) 1,1'-Biphenyl	6.223	154	210842m	39.20	ppm	
68) 4,6-Dinitro-2-methylph...	7.317	198	14583	17.85	ppm	100
69) n-Nitrosodiphenylamine	7.334	169	144398	43.45	ppm	97
70) 1,2-Diphenylhydrazine	7.364	77	181670	42.04	ppm	98
72) 4-Bromophenyl-phenylether	7.681	248	66413	48.28	ppm	93
73) Hexachlorobenzene	7.828	284	70624	45.38	ppm	97
74) Pentachlorophenol	8.011	266	20372	20.19	ppm	91
75) Phenanthrene	8.158	178	473773	68.81	ppm	99
76) Anthracene	8.199	178	353225	49.99	ppm	99
77) Carbazole	8.375	167	319963	50.83	ppm	99
78) Di-n-butylphthalate	8.799	149	381203	50.02	ppm	99
79) Fluoranthene	9.440	202	577048	79.42	ppm	99
81) Atrazine	7.881	200	60213m	48.30	ppm	
84) Pyrene	9.687	202	573820m	72.48	ppm	
87) Butylbenzylphthalate	10.493	149	163399m	49.90	ppm	
88) 3,3'-Dichlorobenzidine	11.075	252	48628m	18.00	ppm	
89) Benzo[a]anthracene	11.081	228	468197m	65.38	ppm	
90) Chrysene	11.128	228	452749m	63.58	ppm	
91) bis(2-Ethylhexyl)phtha...	11.211	149	254993m	51.99	ppm	
93) Di-n-octylphthalate	11.899	149	408217m	51.86	ppm	
94) Benzo[b]fluoranthene	12.293	252	465232m	61.45	ppm	
95) Benzo[k]fluoranthene	12.316	252	445920m	60.45	ppm	
96) Benzo[a]pyrene	12.628	252	372110m	55.78	ppm	
97) Indeno[1,2,3-cd]pyrene	13.834	276	442336m	53.11	ppm	
98) Dibenz[a,h]anthracene	13.846	278	332342m	49.42	ppm	
99) Benzo[g,h,i]perylene	14.146	276	404285m	58.45	ppm	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32900.D
Acq On : 21 Aug 2013 7:54 pm
Operator : kristinr
Sample : OP34472-MSD
Misc : OP34472,MSR1200,20.18,,,1,1
ALS Vial : 25 Sample Multiplier: 1

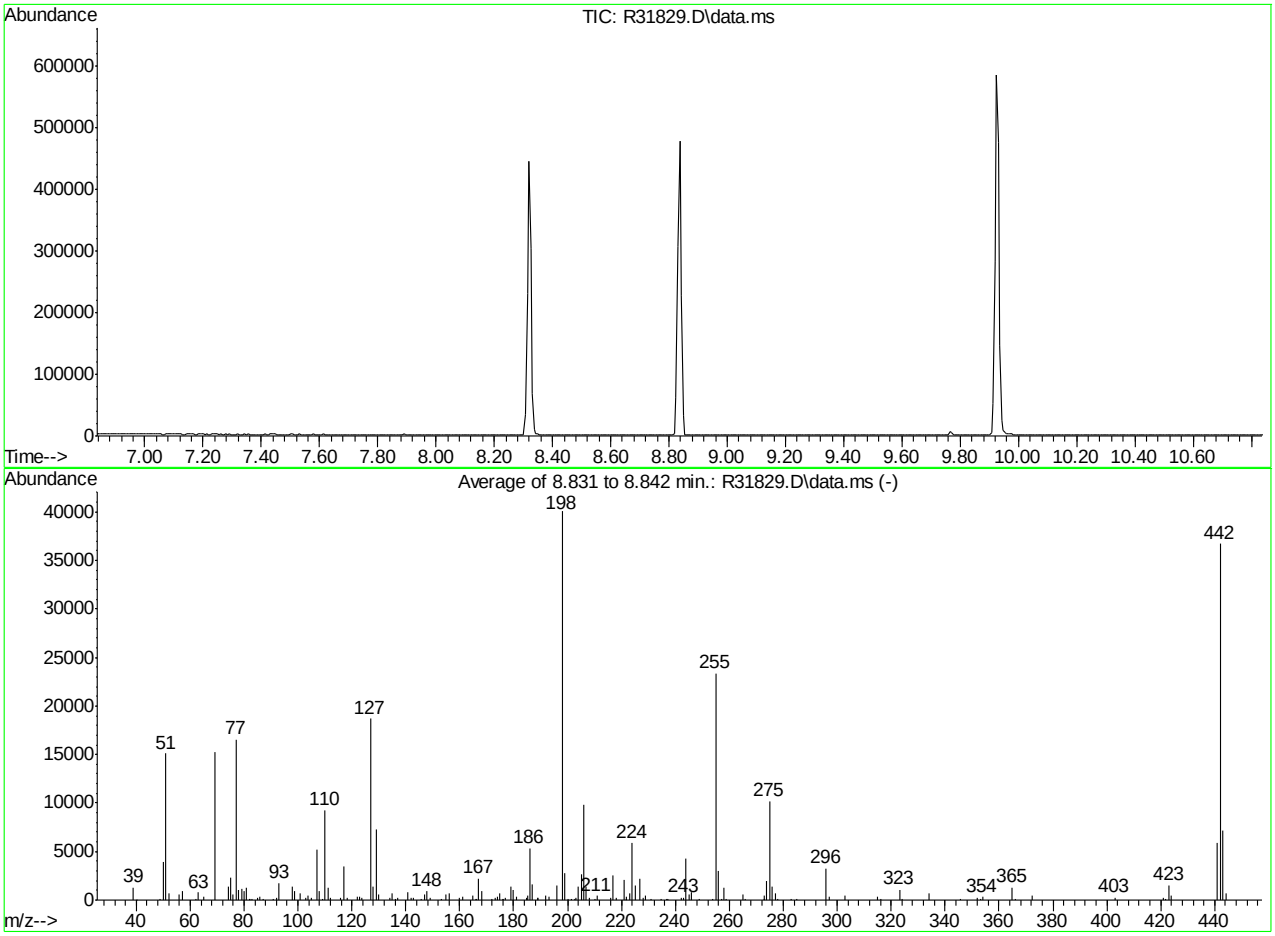
Quant Time: Aug 27 10:12:46 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



DFTPP

Data File : C:\msdchem\1\data\R130628\R31829.D Vial: 99
Acq On : 28 Jun 2013 7:25 pm Operator: kristinr
Sample : DFTPP Inst : MSR
Misc : op33699,msr1159,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\2\METHODS\DFTPP.m (RTE Integrator)
Title : DFTPP and Tune Evaluation



Spectrum Information: Average of 8.831 to 8.842 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.7	15081	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	38.1	15275	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	46.7	18690	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	40043	PASS
199	198	5	9	6.8	2731	PASS
275	198	10	30	25.4	10188	PASS
365	198	1	100	3.2	1276	PASS
441	443	0.01	100	81.2	5840	PASS
442	198	40	100	91.6	36685	PASS
443	442	17	23	19.6	7191	PASS

R31829.D DFTPP.m Mon Jul 08 17:11:43 2013

Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
39.05	1310	69.00	15275	83.00	125	103.90	469
39.90	15	74.05	1364	84.85	232	104.95	253
48.90	101	75.05	2357	85.95	324	107.00	5237
50.00	3927	76.00	571	87.00	105	107.95	955
51.05	15081	77.10	16543	90.90	154	109.20	107
52.00	693	78.05	1013	92.05	225	110.00	9249
55.95	591	79.00	1106	92.95	1738	111.00	1323
56.95	934	80.00	876	97.95	1365	112.05	277
62.00	99	80.95	1229	98.90	926	115.95	235
63.00	765	81.90	169	101.00	672	117.00	3481
64.90	319	82.10	85	102.85	208	118.05	267

Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
122.00	382	140.90	858	161.00	320	176.10	124
122.95	355	141.95	229	165.00	454	176.95	278
123.85	237	142.95	238	166.00	107	179.00	1443
127.00	18690	145.90	92	166.20	129	179.95	1037
128.00	1429	146.90	558	167.00	2217	180.95	323
129.00	7300	147.95	942	168.00	972	184.80	190
130.00	541	148.95	231	171.90	85	185.05	515
134.00	227	153.00	110	173.00	208	186.00	5361
135.00	655	155.05	576	173.85	342	187.05	1660
136.10	120	156.05	672	175.00	683	188.90	210
136.95	198	159.95	253	175.90	85	189.10	186

Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
192.00	455	206.10	9769	222.95	673	243.05	259
193.00	375	207.00	1406	224.00	5859	244.00	4258
196.00	1497	208.00	232	225.05	1455	245.00	623
198.00	40043	210.00	130	226.95	2227	245.95	851
198.90	2731	210.95	422	228.05	270	249.00	161
200.00	152	216.05	231	228.95	492	253.80	95
201.30	121	217.00	2552	231.00	91	255.00	23355
202.70	91	218.00	274	234.80	116	256.00	3050
203.00	286	221.00	2085	236.80	114	257.00	142
204.00	1371	221.70	350	237.00	86	257.95	1267
205.00	2672	221.90	95	242.05	234	258.90	88

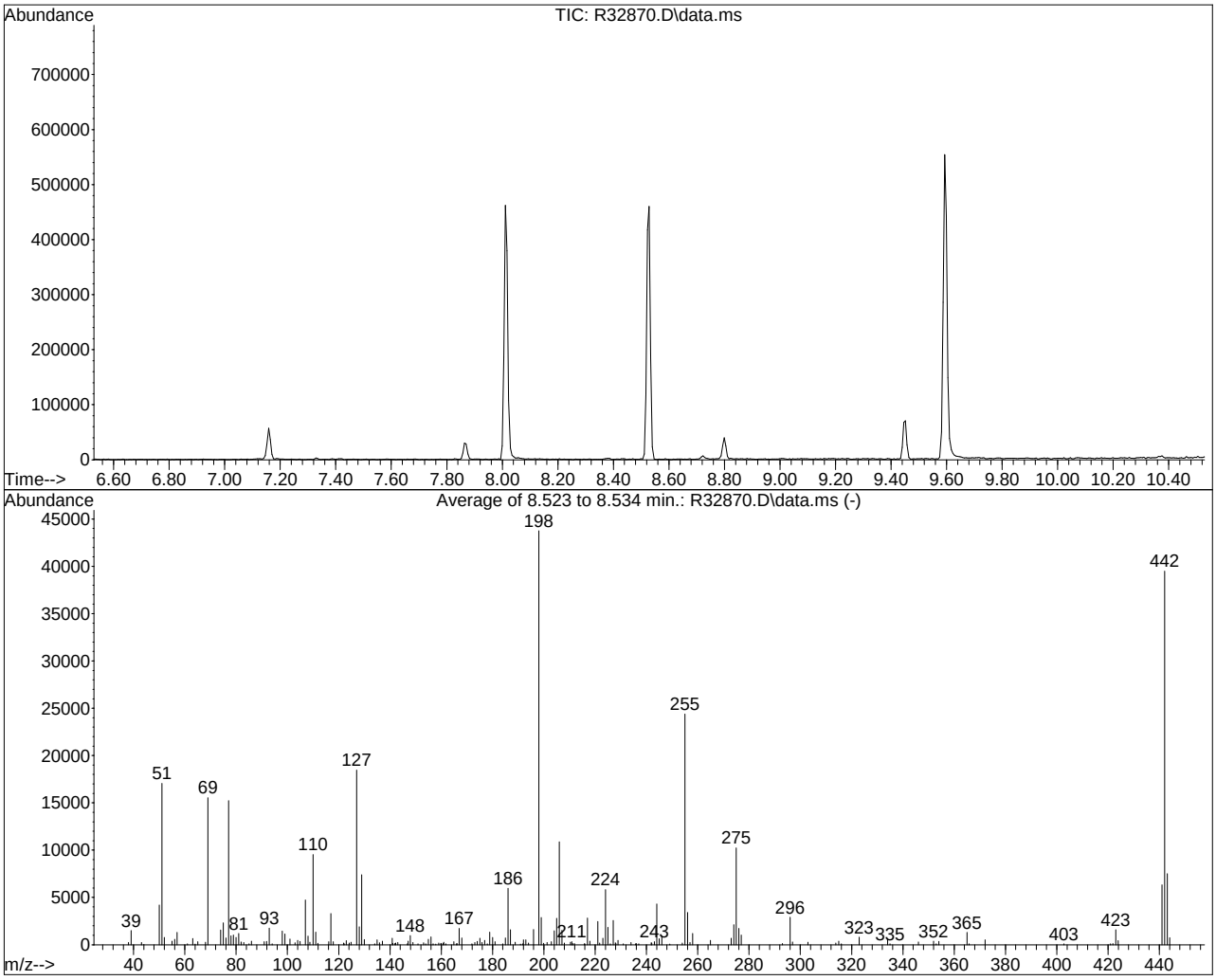
Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
264.95	560	296.00	3253	353.95	300	443.00	7191
266.00	87	297.00	359	364.95	1276	444.05	691
272.90	164	303.00	453	366.00	95		
273.05	518	315.00	388	372.10	514		
273.95	1963	316.00	100	403.05	273		
275.00	10188	323.05	1098	421.00	236		
276.00	1401	324.00	106	421.80	108		
276.95	753	334.00	649	423.05	1554		
277.90	108	345.80	123	423.95	442		
282.90	92	351.95	256	441.00	5840		
285.00	87	353.10	128	442.10	36685		

DFTPP

Data File : C:\msdchem\1\data\R130821\R32870.D Vial: 99
Acq On : 21 Aug 2013 7:25 am Operator: kristinr
Sample : DFTPP Inst : MSR
Misc : OP34233,MSR1199,,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\1\methods\dftppeval.m (RTE Integrator)
Title : DFTPP and Tune Evaluation



Spectrum Information: Average of 8.523 to 8.534 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.0	17071	PASS
68	69	0.00	2	1.7	262	PASS
69	198	0.00	100	35.5	15534	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.2	18477	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	43749	PASS
199	198	5	9	6.6	2876	PASS
275	198	10	30	23.4	10247	PASS
365	198	1	100	3.0	1317	PASS
441	443	0.01	100	84.3	6327	PASS
442	198	40	100	90.3	39488	PASS
443	442	17	23	19.0	7505	PASS

R32870.D dftppeval.m Mon Aug 26 10:36:23 2013

ACCUTEST LABORATORIES
MC23593

Average of 8.523 to 8.534 min.: R32870.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.05	246	63.05	672	80.00	768	99.00	1132
39.05	1491	64.00	84	80.95	1185	100.95	609
43.05	229	65.00	317	81.95	290	103.00	202
44.00	18	68.10	262	82.95	231	104.00	463
50.00	4212	69.00	15534	85.00	86	104.95	365
51.05	17071	74.00	1570	86.00	374	107.00	4727
52.00	760	75.00	2315	90.95	332	108.05	912
55.05	370	76.05	708	91.90	354	108.80	274
56.00	572	77.10	15227	92.95	1753	110.00	9534
57.00	1319	78.00	955	94.00	99	111.00	1333
61.00	102	78.95	1014	98.00	1443	111.90	159

Average of 8.523 to 8.534 min.: R32870.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
116.15	333	129.95	562	147.05	381	159.80	153
116.95	3315	134.00	105	147.95	969	160.00	129
117.85	329	135.00	513	148.90	242	160.80	164
121.90	184	135.90	223	150.90	96	160.95	273
122.10	106	137.00	384	153.05	218	161.80	99
122.95	431	140.90	683	153.90	106	164.90	317
124.05	185	141.10	151	154.90	587	165.90	112
124.85	267	141.90	131	156.00	821	166.10	119
127.00	18477	142.20	193	156.80	90	167.00	1732
128.00	1886	143.00	246	157.90	85	168.00	715
129.00	7405	146.80	110	158.95	196	171.90	107

Average of 8.523 to 8.534 min.: R32870.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
173.10	247	186.00	5966	199.90	142	211.90	115
174.00	361	186.95	1592	201.25	228	215.80	92
175.00	694	188.80	277	202.95	318	216.00	112
175.85	237	190.90	83	204.05	1466	216.95	2834
176.95	452	191.70	103	205.00	2807	217.90	379
177.90	90	192.00	529	206.05	10883	221.00	2465
178.90	1343	193.00	524	207.00	1544	221.80	182
180.00	770	194.00	197	207.95	192	223.00	703
180.95	317	196.00	1610	210.35	265	224.00	5839
184.00	109	198.00	43749	210.85	332	225.00	1835
185.00	711	199.00	2876	211.20	134	225.90	105

Average of 8.523 to 8.534 min.: R32870.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
227.00	2580	243.05	314	273.05	691	316.00	91
227.90	206	244.05	4312	274.05	2127	323.00	812
228.10	129	244.95	639	275.00	10247	334.00	624
228.95	473	245.95	948	276.00	1734	335.00	96
231.00	101	249.10	85	277.00	1016	346.00	299
233.95	245	254.00	180	293.00	137	351.95	388
235.70	88	255.00	24400	296.00	2908	353.00	111
236.00	124	256.00	3416	296.95	302	354.00	358
237.00	98	256.95	229	302.95	268	365.00	1317
241.90	217	258.00	1183	313.85	179	365.80	101
242.10	177	264.95	464	314.95	372	372.05	522

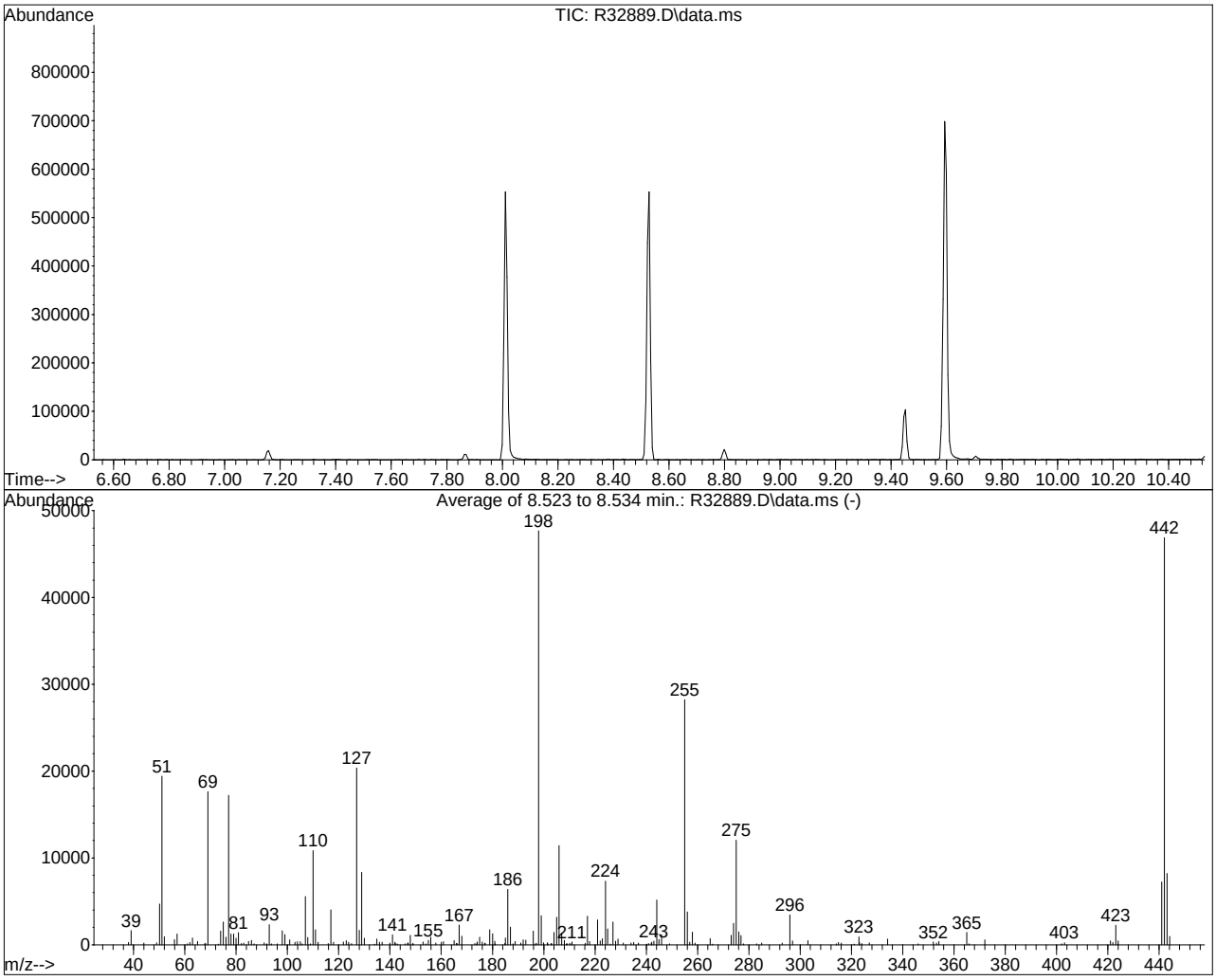
Average of 8.523 to 8.534 min.: R32870.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
402.80	86						
420.90	94						
421.90	123						
423.00	1588						
423.90	437						
441.05	6327						
442.10	39488						
443.05	7505						
444.00	742						

DFTPP

Data File : C:\msdchem\1\data\R130821\R32889.D Vial: 99
Acq On : 21 Aug 2013 3:26 pm Operator: kristinr
Sample : DFTPP Inst : MSR
Misc : OP34233,MSR1200,,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\1\methods\dftppeval.m (RTE Integrator)
Title : DFTPP and Tune Evaluation



Spectrum Information: Average of 8.523 to 8.534 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.7	19398	PASS
68	69	0.00	2	0.9	160	PASS
69	198	0.00	100	37.0	17645	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.7	20353	PASS
197	198	0.00	1	0.4	175	PASS
198	198	100	100	100.0	47669	PASS
199	198	5	9	7.1	3366	PASS
275	198	10	30	25.2	12031	PASS
365	198	1	100	3.0	1412	PASS
441	443	0.01	100	88.1	7242	PASS
442	198	40	100	98.4	46885	PASS
443	442	17	23	17.5	8220	PASS

R32889.D dftppeval.m Tue Aug 27 09:55:57 2013

Average of 8.523 to 8.534 min.: R32889.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.05	272	63.00	793	79.00	1243	93.80	103
39.05	1625	64.95	370	80.00	759	96.00	123
44.05	190	67.80	121	80.95	1389	98.05	1609
48.95	222	68.10	160	82.00	143	99.00	1193
50.10	4688	69.00	17645	82.95	207	100.90	575
51.10	19398	73.00	93	84.85	379	102.95	294
52.05	924	74.00	1576	85.95	520	103.95	356
55.90	595	75.05	2623	87.00	94	105.00	345
57.00	1254	76.00	873	90.95	228	105.80	96
61.00	96	77.10	17218	92.00	113	107.00	5563
61.95	257	78.05	1251	92.95	2321	107.90	831

Average of 8.523 to 8.534 min.: R32889.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
109.00	99	127.00	20353	142.30	126	155.95	867
110.00	10843	128.00	1681	143.10	87	157.90	205
111.00	1739	129.00	8325	145.90	96	160.10	279
111.95	301	130.05	743	146.90	205	160.90	355
115.90	141	133.90	87	147.10	208	165.05	467
117.00	4037	134.90	661	147.90	1085	166.00	159
118.00	293	135.90	280	148.90	133	166.20	134
121.85	332	136.95	278	149.10	119	167.00	2295
123.00	489	139.95	208	152.95	310	168.00	988
123.90	287	141.00	1163	153.90	111	173.10	135
125.00	151	141.95	278	154.95	518	173.80	102

Average of 8.523 to 8.534 min.: R32889.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
174.00	310	186.00	6367	199.00	3366	208.90	103
175.00	881	187.00	2034	199.90	233	209.20	109
176.05	337	188.00	110	201.40	239	210.10	175
176.90	162	188.90	389	201.60	98	210.80	95
177.10	174	191.05	211	202.80	148	211.05	322
178.95	1725	191.95	575	203.00	144	216.20	183
180.00	1280	193.00	536	204.00	1416	217.00	3297
180.90	418	195.95	1564	205.05	3177	217.90	381
181.10	106	196.70	107	206.00	11419	221.00	2851
184.80	127	197.10	175	207.00	1341	222.05	446
185.05	785	198.00	47669	208.05	509	222.85	688

Average of 8.523 to 8.534 min.: R32889.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
224.05	7319	240.90	129	258.00	1461	285.00	209
224.95	1828	241.90	185	259.00	213	293.00	208
225.90	88	242.10	287	264.95	712	296.00	3458
226.95	2609	242.95	402	265.80	92	297.00	445
228.00	429	244.10	5164	273.10	1100	303.00	475
228.95	671	244.95	602	274.00	2475	314.10	103
231.00	190	245.95	1144	275.10	12031	314.95	277
234.00	208	249.10	118	276.05	1498	316.05	205
235.05	249	255.00	28221	276.95	1057	321.10	90
236.90	201	256.00	3777	278.00	98	322.90	914
240.10	90	256.95	297	283.00	109	323.10	268

Average of 8.523 to 8.534 min.: R32889.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
324.10	130	403.05	232				
326.95	235	421.05	438				
334.10	665	422.00	259				
346.00	110	423.05	2241				
351.95	331	423.90	86				
353.15	196	424.05	430				
354.05	399	441.05	7242				
364.95	1412	442.10	46885				
365.90	118	443.05	8220				
372.00	574	444.10	954				
402.00	98						

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	59485m	40.00	ppm	0.55
21) 1,4-Dichlorobenzene-d4A	4.425	152	59492m	40.00	PPM	0.55
23) Naphthalene-d8	5.484	136	221858m	40.00	ppm	0.56
41) Naphthalene-d8a	5.484	136	221870m	40.00	ppm	0.56
43) Acenaphthene-d10	7.025	164	139822m	40.00	ppm	0.58
65) Acenaphthene-d10a	7.025	164	139833m	40.00	ppm	0.58
67) Phenanthrene-d10	8.454	188	240225m	40.00	ppm	0.64
80) Phenanthrene-d10a	8.454	188	240225m	40.00	ppm	0.65
82) Chrysene-d12	11.454	240	267691m	40.00	ppm	0.72
92) Perylene-d12	13.054	264	259313m	40.00	ppm	0.74
100) Naphthalene-d8b	5.484	136	221867m	40.00	ug/mL	0.56
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	91717m	46.49	ppm	0.52
Spiked Amount 100.000	Range 30 - 130		Recovery = 46.49%			
7) Phenol-d5	4.143	99	112760m	41.54	ppm	0.51
Spiked Amount 100.000	Range 30 - 130		Recovery = 41.54%			
24) Nitrobenzene-d5	4.890	82	105028m	43.20	ppm	0.55
Spiked Amount 50.000	Range 30 - 130		Recovery = 86.40%			
48) 2-Fluorobiphenyl	6.419	172	231580m	50.10	ppm	0.55
Spiked Amount 50.000	Range 30 - 130		Recovery = 100.20%			
71) 2,4,6-Tribromophenol	7.772	330	37038m	50.41	ppm	0.61
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.41%			
85) Terphenyl-d14	10.225	244	286560m	49.61	ppm	0.68
Spiked Amount 50.000	Range 30 - 130		Recovery = 99.22%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.560	74	58838m	42.59	ug/l	
3) Pyridine	2.572	79	107712m	42.57	ppm	
4) Aniline	4.190	93	139086m	42.02	ppm	
6) bis(2-Chloroethyl)ether	4.225	63	65072m	43.66	ppm	
8) Phenol	4.154	94	114928m	40.44	ppm	
9) 2-Chlorophenol	4.278	128	98355m	49.37	ppm	
10) 1,3-Dichlorobenzene	4.396	146	108436m	48.13	ppm	
11) 1,4-Dichlorobenzene	4.437	146	114841m	48.74	ppm	
12) 1,2-Dichlorobenzene	4.590	146	104690m	48.73	ppm	
13) Benzyl alcohol	4.537	108	64404m	44.88	ppm	
14) bis(2-chloroisopropyl)...	4.660	45	112465m	53.46	ppm	
15) o-cresol	4.631	108	86947m	20.61	ppm	
16) Acetophenone	4.760	105	140090m	43.37	ppm	
17) Hexachloroethane	4.843	117	42833m	46.47	ppm	
18) N-Nitroso-di-n-propyla...	4.778	70	64035m	41.68	ppm	
19) m+p-cresols	4.748	108	188185m	89.20	ppm	
20) 4-methylphenol	4.748	108	187986m	89.11	ppm	
25) Nitrobenzene	4.907	77	105565m	42.72	ppm	
26) Isophorone	5.096	82	179787m	41.90	ppm	
27) 2-Nitrophenol	5.172	139	52445m	50.82	ppm	
28) 2,4-Dimethylphenol	5.190	107	96931m	43.60	ppm	
29) bis(2-Chloroethoxy)met...	5.272	93	103765m	41.88	ppm	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.260	105	66559m	37.88	ppm	
31) 2,4-Dichlorophenol	5.366	162	86395m	52.33	ppm	
32) 1,2,4-Trichlorobenzene	5.443	180	90548m	52.20	ppm	
33) Naphthalene	5.501	128	289988m	50.63	ppm	
34) 2,6-Dichlorophenol	5.560	162	84039m	51.85	ppm	
35) 4-Chloroaniline	5.554	127	121152m	49.73	ppm	
36) Hexachlorobutadiene	5.648	225	58274m	50.91	ppm	
37) 4-Chloro-3-methylphenol	5.954	107	82037m	42.10	ppm	
38) 2-Methylnaphthalene	6.090	142	206997m	55.16	ppm	
39) 1-Methylnaphthalene	6.184	142	196454m	53.44	ppm	
40) 1,2,4,5-Tetrachloroben...	6.272	216	105598m	53.51	ppm	
44) Pentachloronitrobenzene	8.407	237	30771m	51.08	ppm	
45) Hexachlorocyclopentadiene	6.290	237	70656m	61.24	ppm	
46) 2,4,6-Trichlorophenol	6.354	196	66800m	49.70	ppm	
47) 2,4,5-Trichlorophenol	6.384	196	70396m	48.86	ppm	
49) 2-Chloronaphthalene	6.513	162	184044m	49.24	ppm	
50) Acenaphthylene	6.890	152	306015m	50.70	ppm	
51) Dimethylphthalate	6.801	163	214661m	47.35	ppm	
52) 2,4-Dinitrotoluene	7.225	165	65240m	50.40	ppm	
53) Acenaphthene	7.054	153	197159m	52.66	ppm	
54) 2,4-Dinitrophenol	7.084	184	30595m	43.38	ppm	
55) Dibenzofuran	7.201	168	277334m	51.59	ppm	
56) 2,6-Dinitrotoluene	6.866	165	49768m	51.53	ppm	
57) 4-Nitrophenol	7.125	65	43699m	42.35	ppm	
58) 2,3,4,6-Tetrachlorophenol	7.348	232	60487m	48.86	ppm	
59) Fluorene	7.525	166	224845m	52.78	ppm	
60) 4-Chlorophenyl-phenyle...	7.513	204	108434m	51.20	ppm	
61) Diethylphthalate	7.448	149	214106m	47.40	ppm	
62) 2-nitroaniline	6.625	138	61122m	47.86	ppm	
63) 3-nitroaniline	6.995	138	52284m	47.04	ppm	
64) 4-nitroaniline	7.566	138	51830m	45.76	ppm	
68) 4,6-Dinitro-2-methylph...	7.607	198	44240m	49.91	ppm	
69) n-Nitrosodiphenylamine	7.631	169	158960m	49.39	ppm	
70) 1,2-Diphenylhydrazine	7.666	77	205111m	40.91	ppm	
72) 4-Bromophenyl-phenylether	7.989	248	66649m	49.83	ppm	
73) Hexachlorobenzene	8.148	284	74087m	55.49	ppm	
74) Pentachlorophenol	8.325	266	47627m	52.94	ppm	
75) Phenanthrene	8.484	178	327784m	52.57	ppm	
76) Anthracene	8.525	178	339720m	53.26	ppm	
77) Carbazole	8.695	167	310096m	52.77	ppm	
78) Di-n-butylphthalate	9.119	149	369483m	49.09	ppm	
79) Fluoranthene	9.783	202	352235m	50.45	ppm	
83) Benzidine	9.925	184	129163m	41.62	ppm	
84) Pyrene	10.036	202	389354m	50.87	ppm	
86) 3,3-Dimethylbenzidine	10.789	212	162659m	37.69	ppm	
87) Butylbenzylphthalate	10.830	149	167072m	48.86	ppm	
88) 3,3'-Dichlorobenzidine	11.419	252	137506m	49.93	ppm	
89) Benzo[a]anthracene	11.430	228	354784m	49.39	ppm	
90) Chrysene	11.483	228	342967m	48.98	ppm	
91) bis(2-Ethylhexyl)phtha...	11.542	149	232773m	47.84	ppm	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration

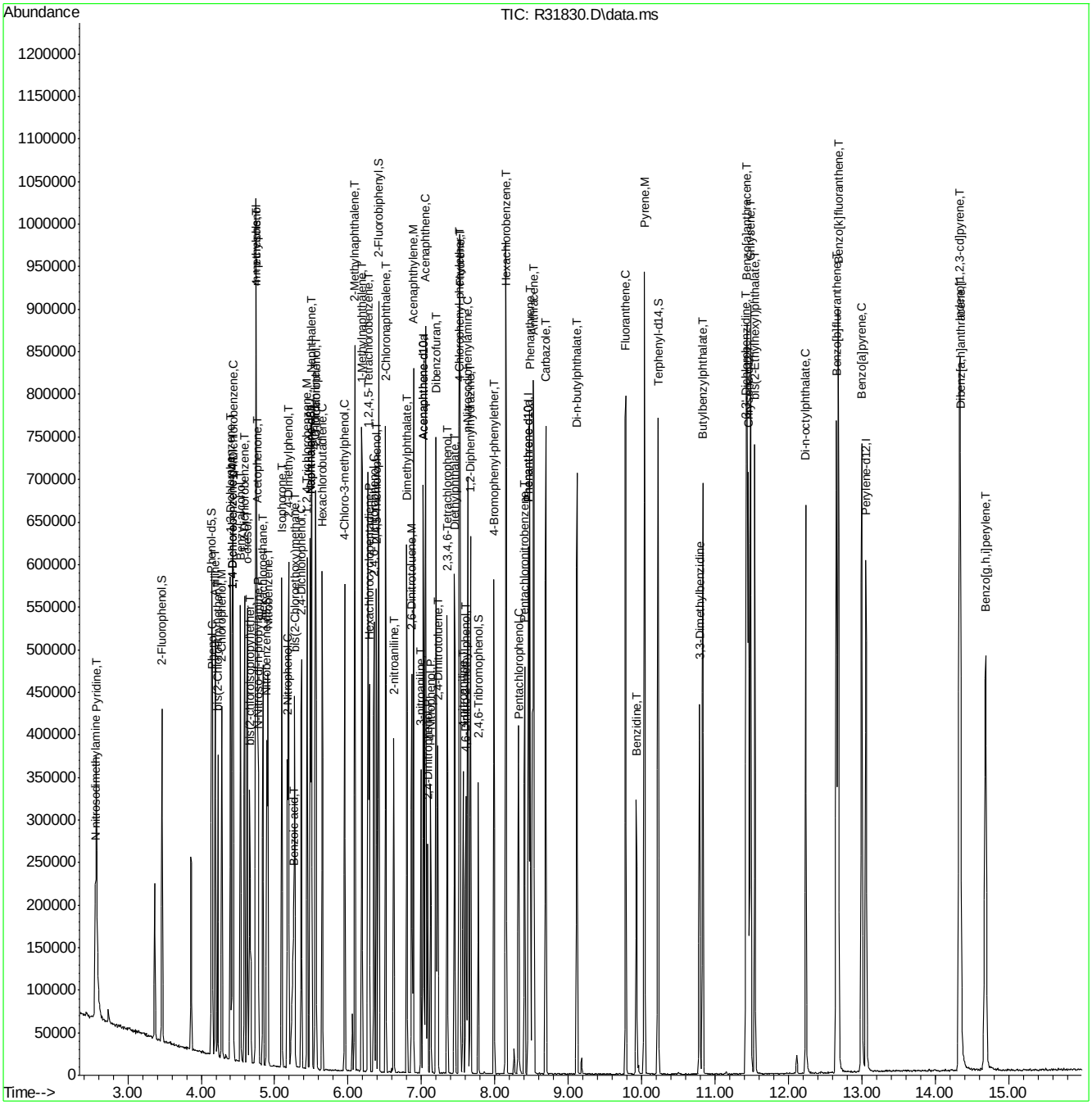
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	365730m	42.88	ppm	
94) Benzo[b]fluoranthene	12.654	252	388574m	48.87	ppm	
95) Benzo[k]fluoranthene	12.677	252	363381m	50.19	ppm	
96) Benzo[a]pyrene	12.995	252	342214m	49.28	ppm	
97) Indeno[1,2,3-cd]pyrene	14.330	276	424772m	52.15	ppm	
98) Dibenz[a,h]anthracene	14.342	278	343005m	51.88	ppm	
99) Benzo[g,h,i]perylene	14.683	276	353384m	52.43	ppm	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	49138	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	49138	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	181281	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	181281	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	112249	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	112249	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	196732	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	196732	40.00	ppm		0.00
82) Chrysene-d12	11.448	240	209909	40.00	ppm		0.00
92) Perylene-d12	13.054	264	203361	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	181281	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.466	112	2661	1.76	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.76%#				
7) Phenol-d5	4.137	99	3786	2.03	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 2.03%#				
24) Nitrobenzene-d5	4.890	82	3273	1.91	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.82%#				
48) 2-Fluorobiphenyl	6.419	172	7292	1.96	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.92%#				
71) 2,4,6-Tribromophenol	7.772	330	795m	1.31	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.31%#				
85) Terphenyl-d14	10.219	244	8605	1.91	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.82%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.566	74	1962	2.02	ug/l	#	63
3) Pyridine	2.596	79	3640	2.05	ppm		97
4) Aniline	4.190	93	4029	1.75	ppm	#	1
6) bis(2-Chloroethyl)ether	4.225	63	1919	1.79	ppm		89
8) Phenol	4.149	94	3522	1.85	ppm		93
9) 2-Chlorophenol	4.278	128	2915	1.79	ppm		97
10) 1,3-Dichlorobenzene	4.396	146	3393	1.89	ppm		92
11) 1,4-Dichlorobenzene	4.437	146	3732	1.97	ppm		96
12) 1,2-Dichlorobenzene	4.590	146	3150	1.82	ppm		93
13) Benzyl alcohol	4.537	108	1928	1.81	ppm		93
14) bis(2-chloroisopropyl)...	4.660	45	3354	1.81	ppm		92
15) o-cresol	4.625	108	2530	1.76	ppm		81
16) Acetophenone	4.760	105	4176	1.80	ppm		83
17) Hexachloroethane	4.843	117	1347	1.90	ppm		84
18) N-Nitroso-di-n-propyla...	4.772	70	2301	2.17	ppm		91
19) m+p-cresols	4.743	108	5553	3.57	ppm		97
20) 4-methylphenol	4.743	108	5553	3.58	ppm		97
25) Nitrobenzene	4.907	77	3565	2.07	ppm		96
26) Isophorone	5.096	82	5600	1.91	ppm		99
27) 2-Nitrophenol	5.172	139	1694	1.98	ppm		73
28) 2,4-Dimethylphenol	5.184	107	2562	1.62	ppm		81
29) bis(2-Chloroethoxy)met...	5.272	93	3348	1.97	ppm		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) 2,4-Dichlorophenol	5.366	162	2506	1.77	ppm	86
32) 1,2,4-Trichlorobenzene	5.443	180	2944	1.99	ppm	88
33) Naphthalene	5.496	128	9402	1.98	ppm	97
34) 2,6-Dichlorophenol	5.560	162	2616	1.90	ppm	96
35) 4-Chloroaniline	5.554	127	3379	1.71	ppm	100
36) Hexachlorobutadiene	5.648	225	1690	1.77	ppm	92
37) 4-Chloro-3-methylphenol	5.954	107	2184	1.63	ppm	89
38) 2-Methylnaphthalene	6.090	142	6539	1.93	ppm	88
39) 1-Methylnaphthalene	6.184	142	6518	2.03	ppm	89
40) 1,2,4,5-Tetrachloroben...	6.272	216	3697	2.14	ppm	89
45) Hexachlorocyclopentadiene	6.290	237	1707	1.50	ppm	68
46) 2,4,6-Trichlorophenol	6.348	196	1666	1.55	ppm	85
47) 2,4,5-Trichlorophenol	6.384	196	1841	1.63	ppm	84
49) 2-Chloronaphthalene	6.513	162	6168	2.09	ppm	95
50) Acenaphthylene	6.890	152	9322	1.90	ppm	91
51) Dimethylphthalate	6.801	163	6385	1.85	ppm	100
52) 2,4-Dinitrotoluene	7.219	165	1629	1.56	ppm	98
53) Acenaphthene	7.054	153	5886	1.86	ppm	93
54) 2,4-Dinitrophenol	7.078	184	453m	0.92	ppm	
55) Dibenzofuran	7.195	168	8925	2.00	ppm	93
56) 2,6-Dinitrotoluene	6.860	165	1175	1.47	ppm	91
57) 4-Nitrophenol	7.119	65	792m	1.13	ppm	
58) 2,3,4,6-Tetrachlorophenol	7.348	232	1227	1.26	ppm	84
59) Fluorene	7.525	166	6816	1.89	ppm	96
60) 4-Chlorophenyl-phenyle...	7.513	204	3528	2.03	ppm	84
61) Diethylphthalate	7.448	149	6550	1.91	ppm	92
62) 2-nitroaniline	6.619	138	1561	1.59	ppm	84
63) 3-nitroaniline	6.990	138	1374	1.64	ppm	90
64) 4-nitroaniline	7.560	138	967m	1.16	ppm	
69) n-Nitrosodiphenylamine	7.631	169	4831	1.86	ppm	95
70) 1,2-Diphenylhydrazine	7.666	77	6664	1.98	ppm	97
72) 4-Bromophenyl-phenylether	7.990	248	1967	1.80	ppm	84
73) Hexachlorobenzene	8.142	284	2312	1.91	ppm	90
74) Pentachlorophenol	8.319	266	1052	1.35	ppm	82
75) Phenanthrene	8.478	178	10370	1.93	ppm	96
76) Anthracene	8.525	178	9840	1.77	ppm	96
77) Carbazole	8.689	167	8014	1.58	ppm	78
78) Di-n-butylphthalate	9.113	149	9533	1.58	ppm	95
79) Fluoranthene	9.778	202	9933	1.72	ppm	95
83) Benzidine	9.925	184	2615	1.29	ppm	85
84) Pyrene	10.036	202	10951	1.79	ppm	95
86) 3,3-Dimethylbenzidine	10.783	212	2441	0.96	ppm	100
87) Butylbenzylphthalate	10.825	149	3069	1.17	ppm	90
88) 3,3'-Dichlorobenzidine	11.419	252	2425	1.12	ppm	95
89) Benzo[a]anthracene	11.430	228	9635	1.73	ppm	95
90) Chrysene	11.478	228	10214	1.90	ppm	99
91) bis(2-Ethylhexyl)phtha...	11.542	149	4588	1.26	ppm	77
93) Di-n-octylphthalate	12.230	149	5394	0.94	ppm	95
94) Benzo[b]fluoranthene	12.648	252	10441	1.71	ppm	95
95) Benzo[k]fluoranthene	12.672	252	9589	1.68	ppm	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration

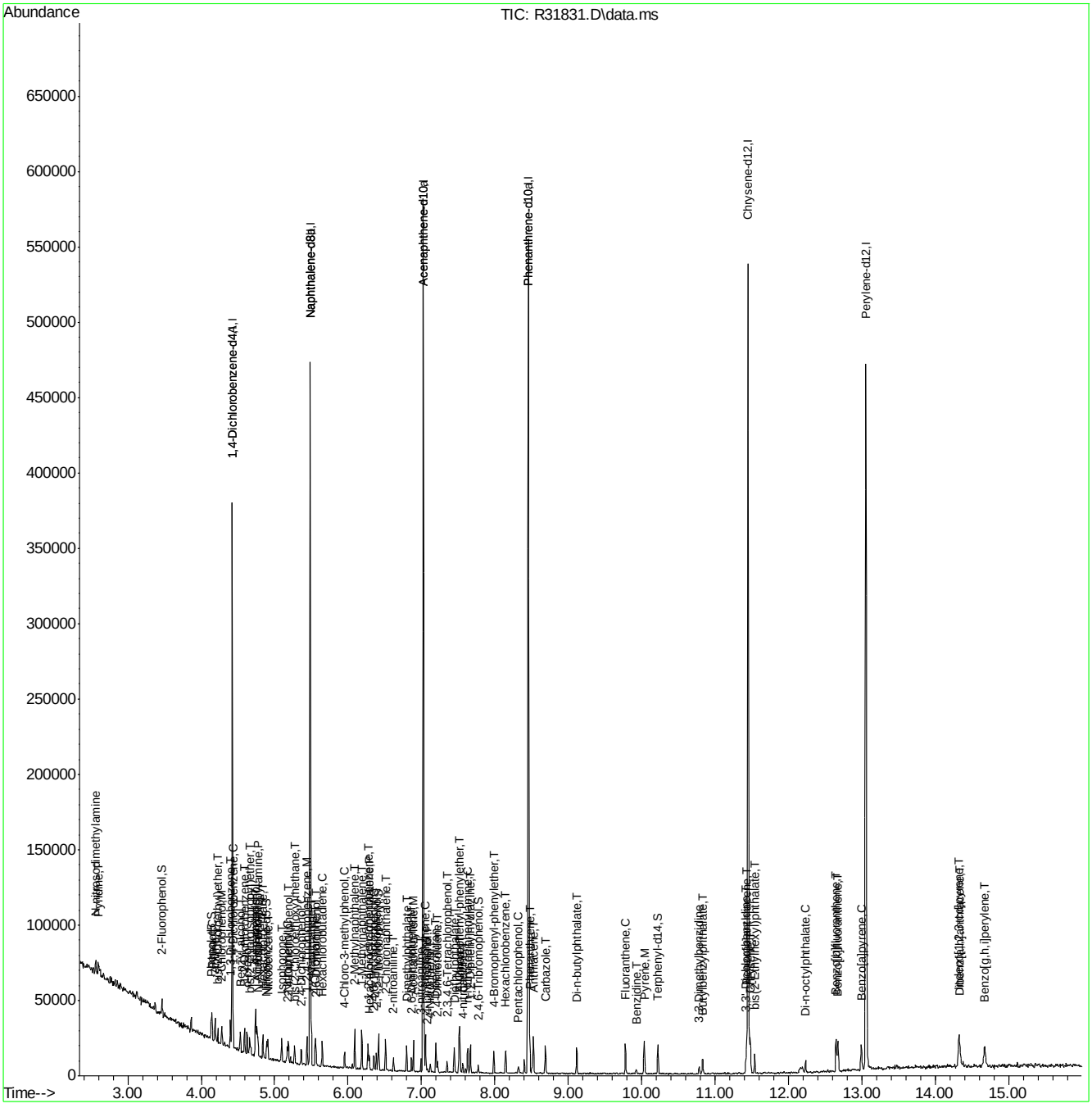
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Benzo[a]pyrene	12.989	252	8160	1.52	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.324	276	10360	1.56	ppm	80
98) Dibenz[a,h]anthracene	14.330	278	8584	1.60	ppm	95
99) Benzo[g,h,i]perylene	14.671	276	9002	1.62	ppm	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	51367	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	51367	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	187437	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	187437	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	119311	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	119311	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	202315	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	202315	40.00	ppm	0.00
82) Chrysene-d12	11.448	240	219013	40.00	ppm	0.00
92) Perylene-d12	13.054	264	214392	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	187437	40.00	ug/mL	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	7952	5.35	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 5.35%#			
7) Phenol-d5	4.137	99	9750	4.97	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 4.97%#			
24) Nitrobenzene-d5	4.890	82	8917	5.14	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 10.28%#			
48) 2-Fluorobiphenyl	6.419	172	19440	4.97	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 9.94%#			
71) 2,4,6-Tribromophenol	7.772	330	2452	3.93	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 3.93%#			
85) Terphenyl-d14	10.219	244	22822	4.97	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 9.94%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.560	74	4558	4.49	ug/l	# 79
3) Pyridine	2.590	79	8812	4.74	ppm	97
4) Aniline	4.190	93	11209	4.97	ppm	# 1
6) bis(2-Chloroethyl)ether	4.225	63	5705	5.36	ppm	78
8) Phenol	4.148	94	9287	4.85	ppm	97
9) 2-Chlorophenol	4.278	128	7555	4.69	ppm	91
10) 1,3-Dichlorobenzene	4.396	146	9269	5.08	ppm	99
11) 1,4-Dichlorobenzene	4.437	146	9242	4.70	ppm	96
12) 1,2-Dichlorobenzene	4.590	146	8197	4.75	ppm	88
13) Benzyl alcohol	4.537	108	4842	4.35	ppm	98
14) bis(2-chloroisopropyl)...	4.660	45	9684	5.24	ppm	81
15) o-cresol	4.625	108	6681	4.73	ppm	85
16) Acetophenone	4.760	105	11659	5.07	ppm	98
17) Hexachloroethane	4.843	117	3547	4.91	ppm	80
18) N-Nitroso-di-n-propyla...	4.772	70	4779m	4.14	ppm	
19) m+p-cresols	4.743	108	14861	9.66	ppm	99
20) 4-methylphenol	4.743	108	14861	9.67	ppm	99
25) Nitrobenzene	4.907	77	9124	5.03	ppm	94
26) Isophorone	5.095	82	14021	4.73	ppm	99
27) 2-Nitrophenol	5.172	139	3900	4.40	ppm	91
28) 2,4-Dimethylphenol	5.184	107	6625	4.04	ppm	98
29) bis(2-Chloroethoxy)met...	5.272	93	8609	4.91	ppm	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.219	105	2500	2.22	ppm		96
31) 2,4-Dichlorophenol	5.360	162	6088	4.17	ppm		95
32) 1,2,4-Trichlorobenzene	5.442	180	7933	5.20	ppm		98
33) Naphthalene	5.501	128	23030	4.72	ppm		96
34) 2,6-Dichlorophenol	5.560	162	6427	4.53	ppm		93
35) 4-Chloroaniline	5.554	127	9409	4.60	ppm		100
36) Hexachlorobutadiene	5.648	225	4470	4.81	ppm		84
37) 4-Chloro-3-methylphenol	5.954	107	6182	4.46	ppm		95
38) 2-Methylnaphthalene	6.090	142	16285	4.74	ppm		93
39) 1-Methylnaphthalene	6.184	142	16485	4.93	ppm		92
40) 1,2,4,5-Tetrachloroben...	6.272	216	9197	4.98	ppm		100
44) Pentachloronitrobenzene	8.401	237	2166	4.12	ppm		90
45) Hexachlorocyclopentadiene	6.289	237	5335	4.42	ppm		86
46) 2,4,6-Trichlorophenol	6.354	196	4962	4.35	ppm		99
47) 2,4,5-Trichlorophenol	6.384	196	5351	4.45	ppm		99
49) 2-Chloronaphthalene	6.513	162	15028	4.68	ppm		98
50) Acenaphthylene	6.889	152	24421	4.80	ppm		97
51) Dimethylphthalate	6.801	163	17498	4.96	ppm		98
52) 2,4-Dinitrotoluene	7.219	165	4817	4.33	ppm		80
53) Acenaphthene	7.054	153	16873	5.20	ppm		96
54) 2,4-Dinitrophenol	7.084	184	1515	2.90	ppm		85
55) Dibenzofuran	7.201	168	22213	4.69	ppm		98
56) 2,6-Dinitrotoluene	6.866	165	3383	3.98	ppm		71
57) 4-Nitrophenol	7.119	65	2914	3.91	ppm	#	71
58) 2,3,4,6-Tetrachlorophenol	7.348	232	4491	4.35	ppm		91
59) Fluorene	7.525	166	18464	4.95	ppm		93
60) 4-Chlorophenyl-phenyle...	7.513	204	8876	4.76	ppm		95
61) Diethylphthalate	7.448	149	16793	4.71	ppm		99
62) 2-nitroaniline	6.625	138	4231	4.06	ppm		95
63) 3-nitroaniline	6.989	138	3727	4.18	ppm		85
64) 4-nitroaniline	7.560	138	3573	4.04	ppm		84
68) 4,6-Dinitro-2-methylph...	7.601	198	2324	3.12	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	12398	4.80	ppm		97
70) 1,2-Diphenylhydrazine	7.666	77	16006	4.65	ppm		95
72) 4-Bromophenyl-phenylether	7.989	248	5172	4.85	ppm		97
73) Hexachlorobenzene	8.148	284	6133	5.03	ppm		96
74) Pentachlorophenol	8.319	266	3153	3.93	ppm		96
75) Phenanthrene	8.478	178	26259	4.84	ppm		96
76) Anthracene	8.525	178	27189	5.04	ppm		100
77) Carbazole	8.689	167	23695	5.07	ppm		100
78) Di-n-butylphthalate	9.113	149	25565	4.11	ppm		98
79) Fluoranthene	9.777	202	26727	4.84	ppm		98
83) Benzidine	9.925	184	7390	3.50	ppm		94
84) Pyrene	10.030	202	29538	4.89	ppm		96
86) 3,3-Dimethylbenzidine	10.783	212	9433	3.54	ppm		100
87) Butylbenzylphthalate	10.824	149	10469	3.83	ppm		95
88) 3,3'-Dichlorobenzidine	11.419	252	7573	3.37	ppm		95
89) Benzo[a]anthracene	11.430	228	25910	4.78	ppm		93
90) Chrysene	11.477	228	27195	4.97	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.542	149	13275	3.49	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration

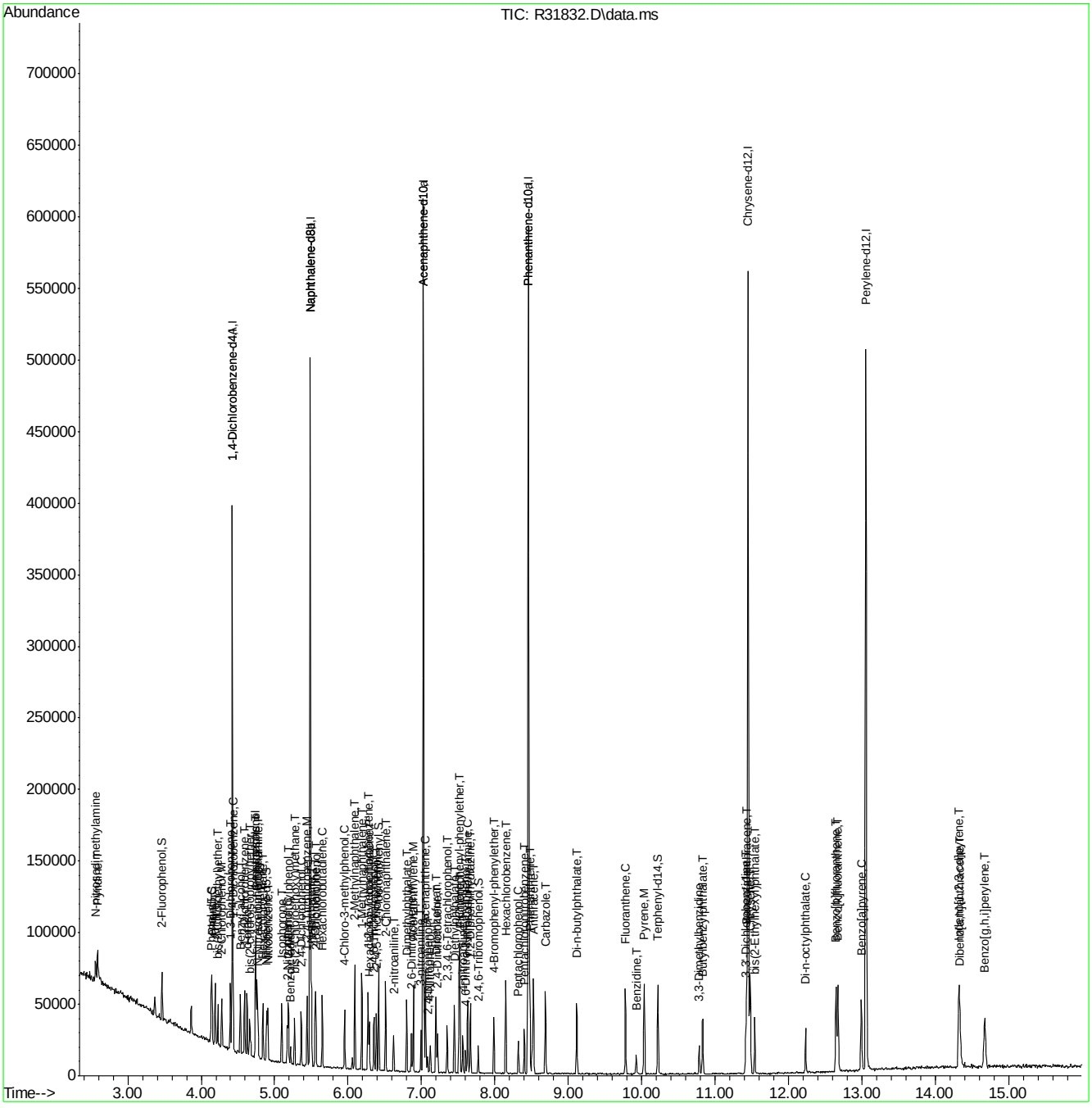
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.230	149	18042	2.98	ppm	97
94) Benzo[b]fluoranthene	12.648	252	26212	4.39	ppm	93
95) Benzo[k]fluoranthene	12.671	252	27270	4.93	ppm	97
96) Benzo[a]pyrene	12.989	252	22958	4.61	ppm	93
97) Indeno[1,2,3-cd]pyrene	14.324	276	29545	4.73	ppm	86
98) Dibenz[a,h]anthracene	14.336	278	24614	4.83	ppm	94
99) Benzo[g,h,i]perylene	14.671	276	24683	4.66	ppm	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	46884	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	46884	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	166929	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	166929	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	105710	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	105710	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	181940	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	181940	40.00	ppm	0.00
82) Chrysene-d12	11.448	240	195288	40.00	ppm	0.00
92) Perylene-d12	13.054	264	187013	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	166929	40.00	ug/mL	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	14242	10.25	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 10.25%#			
7) Phenol-d5	4.137	99	17138	9.59	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 9.59%#			
24) Nitrobenzene-d5	4.890	82	15688	10.07	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 20.14%#			
48) 2-Fluorobiphenyl	6.419	172	34683	10.02	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 20.04%#			
71) 2,4,6-Tribromophenol	7.772	330	4845	9.67	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 9.67%#			
85) Terphenyl-d14	10.219	244	39266	9.61	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 19.22%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.560	74	9321	10.59	ug/l	99
3) Pyridine	2.584	79	16709	10.11	ppm	83
4) Aniline	4.190	93	21013	10.23	ppm #	1
6) bis(2-Chloroethyl)ether	4.225	63	10148	10.21	ppm	82
8) Phenol	4.148	94	17082	9.88	ppm	94
9) 2-Chlorophenol	4.278	128	15038	10.44	ppm	96
10) 1,3-Dichlorobenzene	4.396	146	17344	10.36	ppm	97
11) 1,4-Dichlorobenzene	4.437	146	17241	9.80	ppm	96
12) 1,2-Dichlorobenzene	4.590	146	15632	10.09	ppm	99
13) Benzyl alcohol	4.537	108	9120	9.60	ppm	95
14) bis(2-chloroisopropyl)...	4.660	45	16636	9.71	ppm	86
15) o-cresol	4.625	108	12035	9.51	ppm	77
16) Acetophenone	4.760	105	20253	9.60	ppm	98
17) Hexachloroethane	4.843	117	6286	9.60	ppm	89
18) N-Nitroso-di-n-propyla...	4.772	70	9230	9.29	ppm	80
19) m+p-cresols	4.743	108	26756	19.28	ppm	91
20) 4-methylphenol	4.743	108	26756	19.28	ppm	91
25) Nitrobenzene	4.907	77	15604	9.64	ppm	97
26) Isophorone	5.095	82	25747	9.93	ppm	97
27) 2-Nitrophenol	5.172	139	7271	9.80	ppm	81
28) 2,4-Dimethylphenol	5.184	107	13801	10.46	ppm	94
29) bis(2-Chloroethoxy)met...	5.272	93	15740	10.17	ppm	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.225	105	6577	6.57	ppm		88
31) 2,4-Dichlorophenol	5.360	162	12327	10.34	ppm		93
32) 1,2,4-Trichlorobenzene	5.442	180	13568	9.85	ppm		98
33) Naphthalene	5.501	128	42908	10.06	ppm		97
34) 2,6-Dichlorophenol	5.560	162	11758	9.76	ppm		96
35) 4-Chloroaniline	5.554	127	17103	9.78	ppm		100
36) Hexachlorobutadiene	5.648	225	9080	11.11	ppm		94
37) 4-Chloro-3-methylphenol	5.954	107	11168	9.56	ppm		96
38) 2-Methylnaphthalene	6.090	142	29155	9.69	ppm		97
39) 1-Methylnaphthalene	6.184	142	28886	9.74	ppm		100
40) 1,2,4,5-Tetrachloroben...	6.272	216	15961	9.71	ppm		94
44) Pentachloronitrobenzene	8.401	237	3995	8.59	ppm		93
45) Hexachlorocyclopentadiene	6.290	237	9042	8.98	ppm		98
46) 2,4,6-Trichlorophenol	6.354	196	9139	9.67	ppm		90
47) 2,4,5-Trichlorophenol	6.384	196	9245	9.19	ppm		92
49) 2-Chloronaphthalene	6.513	162	27215	9.78	ppm		94
50) Acenaphthylene	6.889	152	43895	9.87	ppm		98
51) Dimethylphthalate	6.801	163	31117	9.98	ppm		97
52) 2,4-Dinitrotoluene	7.219	165	8753	9.51	ppm		91
53) Acenaphthene	7.054	153	27820	9.55	ppm		96
54) 2,4-Dinitrophenol	7.084	184	3245	7.01	ppm		82
55) Dibenzofuran	7.201	168	40311	9.81	ppm		93
56) 2,6-Dinitrotoluene	6.866	165	6650	9.84	ppm	#	65
57) 4-Nitrophenol	7.119	65	5494	8.31	ppm	#	79
58) 2,3,4,6-Tetrachlorophenol	7.348	232	7686	8.99	ppm		95
59) Fluorene	7.525	166	32313	9.81	ppm		98
60) 4-Chlorophenyl-phenyle...	7.513	204	15641	9.63	ppm		86
61) Diethylphthalate	7.448	149	30962	9.99	ppm		97
62) 2-nitroaniline	6.619	138	8013	9.57	ppm		84
63) 3-nitroaniline	6.989	138	7123	9.01	ppm		87
64) 4-nitroaniline	7.560	138	6966	8.89	ppm		80
68) 4,6-Dinitro-2-methylph...	7.601	198	4616	6.89	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	22406	9.78	ppm		95
70) 1,2-Diphenylhydrazine	7.666	77	30647	10.14	ppm		93
72) 4-Bromophenyl-phenylether	7.989	248	9842	10.36	ppm		94
73) Hexachlorobenzene	8.148	284	10266	9.35	ppm		96
74) Pentachlorophenol	8.319	266	5580	7.73	ppm		95
75) Phenanthrene	8.478	178	48283	10.00	ppm		98
76) Anthracene	8.525	178	47975	9.87	ppm		97
77) Carbazole	8.689	167	42932	10.17	ppm		98
78) Di-n-butylphthalate	9.113	149	49326	9.68	ppm		98
79) Fluoranthene	9.778	202	49907	10.16	ppm		96
83) Benzidine	9.925	184	13689	8.55	ppm		97
84) Pyrene	10.030	202	53983	10.09	ppm		97
86) 3,3-Dimethylbenzidine	10.783	212	18632	9.19	ppm		100
87) Butylbenzylphthalate	10.830	149	20998	9.76	ppm		94
88) 3,3'-Dichlorobenzidine	11.419	252	16039	9.56	ppm		91
89) Benzo[a]anthracene	11.430	228	48728	10.24	ppm		96
90) Chrysene	11.477	228	48493	9.96	ppm		97
91) bis(2-Ethylhexyl)phtha...	11.542	149	27224	9.45	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration

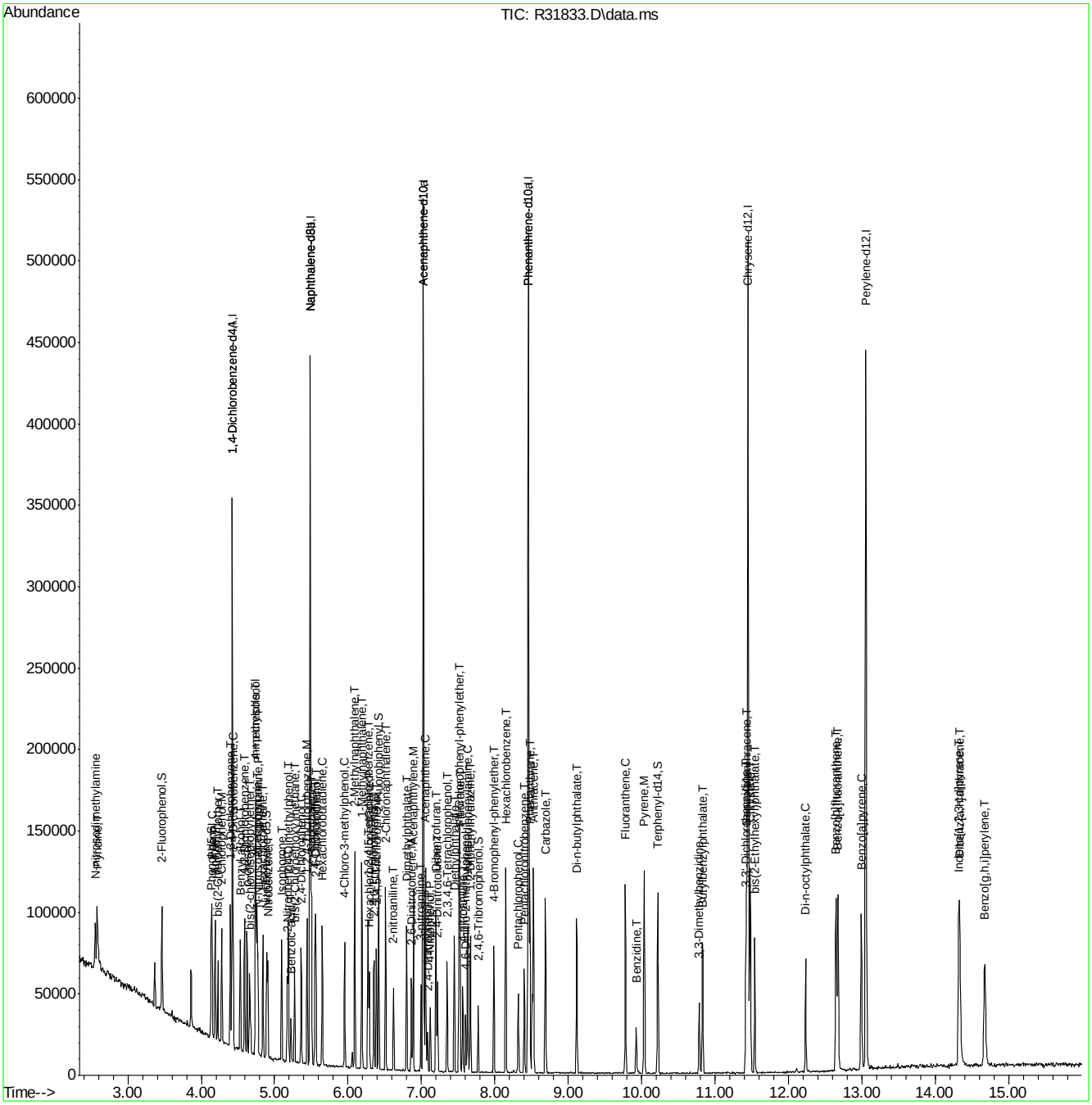
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.230	149	37306	8.86	ppm	99
94) Benzo[b]fluoranthene	12.648	252	51185	10.25	ppm	96
95) Benzo[k]fluoranthene	12.671	252	51893	10.81	ppm	97
96) Benzo[a]pyrene	12.989	252	44414	10.50	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.318	276	55586	10.39	ppm	85
98) Dibenz[a,h]anthracene	14.330	278	43079	9.80	ppm	96
99) Benzo[g,h,i]perylene	14.671	276	47038	10.42	ppm	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	51742	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	51742	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	187414	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	187414	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	116090	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	116090	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	205439	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	205439	40.00	ppm		0.00
82) Chrysene-d12	11.448	240	219524	40.00	ppm		0.00
92) Perylene-d12	13.054	264	211519	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	187414	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.466	112	30920	20.04	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 20.04%#				
7) Phenol-d5	4.137	99	39428	20.19	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 20.19%#				
24) Nitrobenzene-d5	4.890	82	36172	20.64	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 41.28%				
48) 2-Fluorobiphenyl	6.419	172	78365	20.61	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 41.22%				
71) 2,4,6-Tribromophenol	7.772	330	12254	21.90	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 21.90%#				
85) Terphenyl-d14	10.219	244	96411	21.20	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 42.40%				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.560	74	20277	20.48	ug/l		85
3) Pyridine	2.578	79	36952	20.18	ppm		85
4) Aniline	4.190	93	47163	20.69	ppm	#	1
6) bis(2-Chloroethyl)ether	4.225	63	22170	20.10	ppm		91
8) Phenol	4.149	94	40284	21.17	ppm		97
9) 2-Chlorophenol	4.278	128	33290	20.72	ppm		98
10) 1,3-Dichlorobenzene	4.396	146	37487	20.12	ppm		97
11) 1,4-Dichlorobenzene	4.437	146	38579	19.97	ppm		96
12) 1,2-Dichlorobenzene	4.590	146	34284	20.00	ppm		95
13) Benzyl alcohol	4.537	108	20595	19.92	ppm		96
14) bis(2-chloroisopropyl)...	4.660	45	38598	20.56	ppm		82
15) o-cresol	4.625	108	28574	20.71	ppm		81
16) Acetophenone	4.760	105	48172	20.90	ppm		99
17) Hexachloroethane	4.843	117	14788	20.66	ppm		89
18) N-Nitroso-di-n-propyla...	4.772	70	22687	21.07	ppm		83
19) m+p-cresols	4.743	108	61057	40.22	ppm		100
20) 4-methylphenol	4.743	108	61057	40.23	ppm		100
25) Nitrobenzene	4.907	77	35950	19.96	ppm		95
26) Isophorone	5.096	82	60479	20.81	ppm		95
27) 2-Nitrophenol	5.172	139	16401	19.82	ppm		85
28) 2,4-Dimethylphenol	5.184	107	32918	21.89	ppm		95
29) bis(2-Chloroethoxy)met...	5.272	93	37153	21.26	ppm		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.237	105	18397	19.75	ppm		95
31) 2,4-Dichlorophenol	5.360	162	27608	20.39	ppm		95
32) 1,2,4-Trichlorobenzene	5.443	180	31478	20.44	ppm		96
33) Naphthalene	5.501	128	97867	20.41	ppm		98
34) 2,6-Dichlorophenol	5.560	162	28427	21.19	ppm		97
35) 4-Chloroaniline	5.554	127	41102	21.08	ppm		100
36) Hexachlorobutadiene	5.648	225	20924	22.19	ppm		97
37) 4-Chloro-3-methylphenol	5.954	107	26807	20.75	ppm		97
38) 2-Methylnaphthalene	6.090	142	68715	20.50	ppm		90
39) 1-Methylnaphthalene	6.184	142	65711	19.87	ppm		94
40) 1,2,4,5-Tetrachloroben...	6.272	216	35372	19.31	ppm		97
44) Pentachloronitrobenzene	8.401	237	9129	19.23	ppm		95
45) Hexachlorocyclopentadiene	6.290	237	22665	21.22	ppm		95
46) 2,4,6-Trichlorophenol	6.354	196	21103	20.56	ppm		94
47) 2,4,5-Trichlorophenol	6.384	196	23571	21.92	ppm		99
49) 2-Chloronaphthalene	6.513	162	63890	21.02	ppm		94
50) Acenaphthylene	6.890	152	103146	21.19	ppm		99
51) Dimethylphthalate	6.801	163	73029	21.34	ppm		98
52) 2,4-Dinitrotoluene	7.219	165	21650	21.78	ppm		84
53) Acenaphthene	7.054	153	66856	21.13	ppm		99
54) 2,4-Dinitrophenol	7.084	184	9159	18.03	ppm		88
55) Dibenzofuran	7.201	168	94051	20.94	ppm		99
56) 2,6-Dinitrotoluene	6.866	165	16295	22.07	ppm	#	62
57) 4-Nitrophenol	7.125	65	13669	20.57	ppm		94
58) 2,3,4,6-Tetrachlorophenol	7.348	232	18645	20.55	ppm		91
59) Fluorene	7.525	166	75169	20.88	ppm		98
60) 4-Chlorophenyl-phenyle...	7.513	204	37443	21.18	ppm		94
61) Diethylphthalate	7.448	149	71749	21.09	ppm		99
62) 2-nitroaniline	6.619	138	19932	22.00	ppm		85
63) 3-nitroaniline	6.990	138	17272	20.93	ppm		84
64) 4-nitroaniline	7.566	138	17246	21.22	ppm		93
68) 4,6-Dinitro-2-methylph...	7.601	198	13821	21.63	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	54634	21.24	ppm		99
70) 1,2-Diphenylhydrazine	7.666	77	69003	20.15	ppm		97
72) 4-Bromophenyl-phenylether	7.989	248	21957	20.29	ppm		94
73) Hexachlorobenzene	8.148	284	26555	21.77	ppm		89
74) Pentachlorophenol	8.319	266	14968	20.72	ppm		86
75) Phenanthrene	8.478	178	109782	20.14	ppm		97
76) Anthracene	8.525	178	115301	21.07	ppm		99
77) Carbazole	8.689	167	101889	21.28	ppm		100
78) Di-n-butylphthalate	9.113	149	121116	21.27	ppm		97
79) Fluoranthene	9.778	202	118135	21.21	ppm		100
83) Benzidine	9.925	184	38042	22.21	ppm		98
84) Pyrene	10.031	202	127299	21.13	ppm		100
86) 3,3-Dimethylbenzidine	10.783	212	47611	21.47	ppm		100
87) Butylbenzylphthalate	10.830	149	52766	21.99	ppm		98
88) 3,3'-Dichlorobenzidine	11.419	252	40862	21.98	ppm		93
89) Benzo[a]anthracene	11.430	228	115708	21.50	ppm		97
90) Chrysene	11.477	228	113742	20.80	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.542	149	72206	22.71	ppm		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration

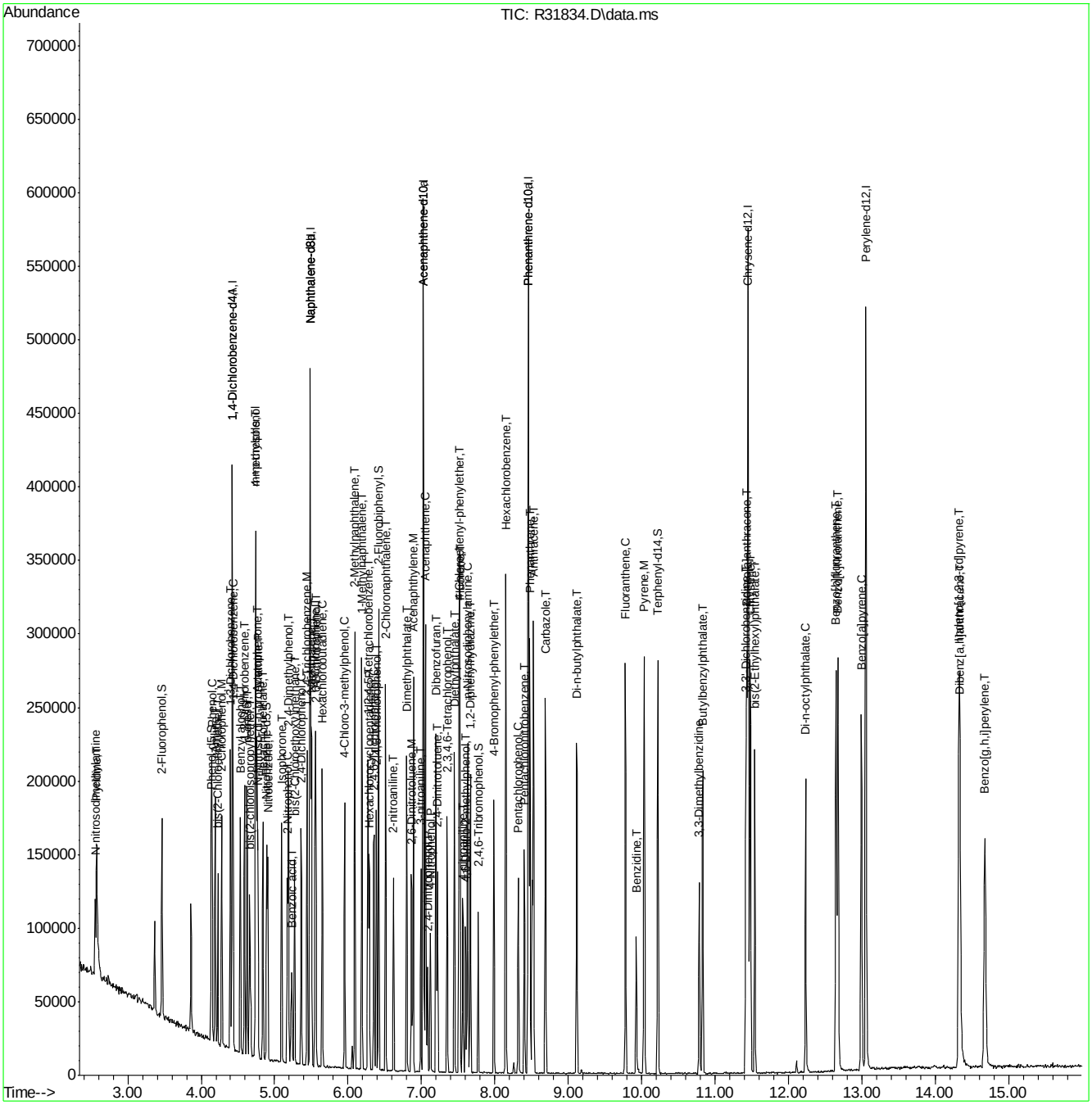
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.230	149	109176	23.83	ppm	99
94) Benzo[b]fluoranthene	12.648	252	121301	21.35	ppm	97
95) Benzo[k]fluoranthene	12.672	252	125067	22.57	ppm	97
96) Benzo[a]pyrene	12.989	252	113294	23.38	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.324	276	137292	22.48	ppm	88
98) Dibenz[a,h]anthracene	14.336	278	111343	22.51	ppm	98
99) Benzo[g,h,i]perylene	14.671	276	114707	22.23	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	60503	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	60503	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	224861	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	224861	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	138065	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	138065	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	242175	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	242175	40.00	ppm		0.00
82) Chrysene-d12	11.454	240	270189	40.00	ppm		0.00
92) Perylene-d12	13.054	264	262365	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	224861	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.466	112	146080	80.95	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 80.95%				
7) Phenol-d5	4.143	99	185174	80.94	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 80.94%				
24) Nitrobenzene-d5	4.890	82	171072	80.83	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 161.66%#				
48) 2-Fluorobiphenyl	6.419	172	367337	80.74	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 161.48%#				
71) 2,4,6-Tribromophenol	7.778	330	62320	92.29	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 92.29%				
85) Terphenyl-d14	10.219	244	466379	82.34	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 164.68%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.560	74	95161	81.70	ug/l		85
3) Pyridine	2.572	79	173375	80.79	ppm		93
4) Aniline	4.190	93	226620	84.44	ppm	#	1
6) bis(2-Chloroethyl)ether	4.225	63	103993	80.55	ppm		88
8) Phenol	4.154	94	189494	84.19	ppm		97
9) 2-Chlorophenol	4.284	128	158965	84.00	ppm		97
10) 1,3-Dichlorobenzene	4.396	146	174784	80.12	ppm		99
11) 1,4-Dichlorobenzene	4.437	146	183171	81.11	ppm		99
12) 1,2-Dichlorobenzene	4.590	146	165338	82.49	ppm		98
13) Benzyl alcohol	4.537	108	102620	84.95	ppm		98
14) bis(2-chloroisopropyl)...	4.660	45	178962	81.07	ppm		83
15) o-cresol	4.631	108	139697	85.98	ppm		81
16) Acetophenone	4.760	105	224175	82.43	ppm		96
17) Hexachloroethane	4.843	117	68901	81.79	ppm		91
18) N-Nitroso-di-n-propyla...	4.778	70	105251	82.71	ppm		85
19) m+p-cresols	4.749	108	302988	170.50	ppm		97
20) 4-methylphenol	4.749	108	302988	170.54	ppm		97
25) Nitrobenzene	4.907	77	170655	79.02	ppm		93
26) Isophorone	5.096	82	290293	82.57	ppm		99
27) 2-Nitrophenol	5.172	139	83722	84.52	ppm		88
28) 2,4-Dimethylphenol	5.190	107	153128	82.90	ppm		97
29) bis(2-Chloroethoxy)met...	5.272	93	173481	81.47	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.272	105	117860	105.90	ppm		92
31) 2,4-Dichlorophenol	5.366	162	136507	83.63	ppm		99
32) 1,2,4-Trichlorobenzene	5.443	180	147150	79.28	ppm		97
33) Naphthalene	5.501	128	460263	79.67	ppm		99
34) 2,6-Dichlorophenol	5.566	162	132676	81.21	ppm		94
35) 4-Chloroaniline	5.554	127	195522	82.47	ppm		100
36) Hexachlorobutadiene	5.649	225	93063	80.50	ppm		98
37) 4-Chloro-3-methylphenol	5.954	107	133116	85.08	ppm		92
38) 2-Methylnaphthalene	6.090	142	329038	81.41	ppm		95
39) 1-Methylnaphthalene	6.190	142	317890	80.22	ppm		93
40) 1,2,4,5-Tetrachloroben...	6.272	216	168769	77.33	ppm		100
44) Pentachloronitrobenzene	8.407	237	48472	86.95	ppm		96
45) Hexachlorocyclopentadiene	6.290	237	111120	86.16	ppm		98
46) 2,4,6-Trichlorophenol	6.354	196	107277	87.29	ppm		93
47) 2,4,5-Trichlorophenol	6.384	196	111256	84.96	ppm		99
49) 2-Chloronaphthalene	6.513	162	293904	80.48	ppm		94
50) Acenaphthylene	6.890	152	490303	83.68	ppm		100
51) Dimethylphthalate	6.807	163	344670	83.57	ppm		100
52) 2,4-Dinitrotoluene	7.225	165	105039	86.92	ppm		96
53) Acenaphthene	7.054	153	316498	83.17	ppm		99
54) 2,4-Dinitrophenol	7.084	184	54411	94.72	ppm		96
55) Dibenzofuran	7.201	168	446301	82.76	ppm		99
56) 2,6-Dinitrotoluene	6.866	165	82198	91.25	ppm		73
57) 4-Nitrophenol	7.125	65	68946	86.42	ppm	#	76
58) 2,3,4,6-Tetrachlorophenol	7.348	232	99182	91.28	ppm		100
59) Fluorene	7.525	166	361247	83.64	ppm		100
60) 4-Chlorophenyl-phenyle...	7.519	204	176034	82.76	ppm		98
61) Diethylphthalate	7.454	149	345081	84.36	ppm		98
62) 2-nitroaniline	6.625	138	99381	89.98	ppm		90
63) 3-nitroaniline	6.995	138	86569	86.86	ppm		93
64) 4-nitroaniline	7.572	138	83664	84.83	ppm		85
68) 4,6-Dinitro-2-methylph...	7.613	198	73851	95.45	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	260791	84.95	ppm		98
70) 1,2-Diphenylhydrazine	7.666	77	332090	82.14	ppm		96
72) 4-Bromophenyl-phenylether	7.990	248	105847	82.73	ppm		99
73) Hexachlorobenzene	8.148	284	118666	81.09	ppm		99
74) Pentachlorophenol	8.325	266	82047	95.21	ppm		98
75) Phenanthrene	8.484	178	529132	82.23	ppm		100
76) Anthracene	8.531	178	556788	85.40	ppm		99
77) Carbazole	8.695	167	500802	87.62	ppm		99
78) Di-n-butylphthalate	9.119	149	613562	89.98	ppm		100
79) Fluoranthene	9.784	202	577075	86.86	ppm		98
83) Benzidine	9.925	184	206250	95.20	ppm		99
84) Pyrene	10.036	202	624149	83.22	ppm		100
86) 3,3-Dimethylbenzidine	10.789	212	268450	96.58	ppm		100
87) Butylbenzylphthalate	10.831	149	260925	86.20	ppm		95
88) 3,3'-Dichlorobenzidine	11.419	252	231674	98.82	ppm		99
89) Benzo[a]anthracene	11.430	228	576686	85.77	ppm		100
90) Chrysene	11.483	228	559366	82.46	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.542	149	380195	93.97	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration

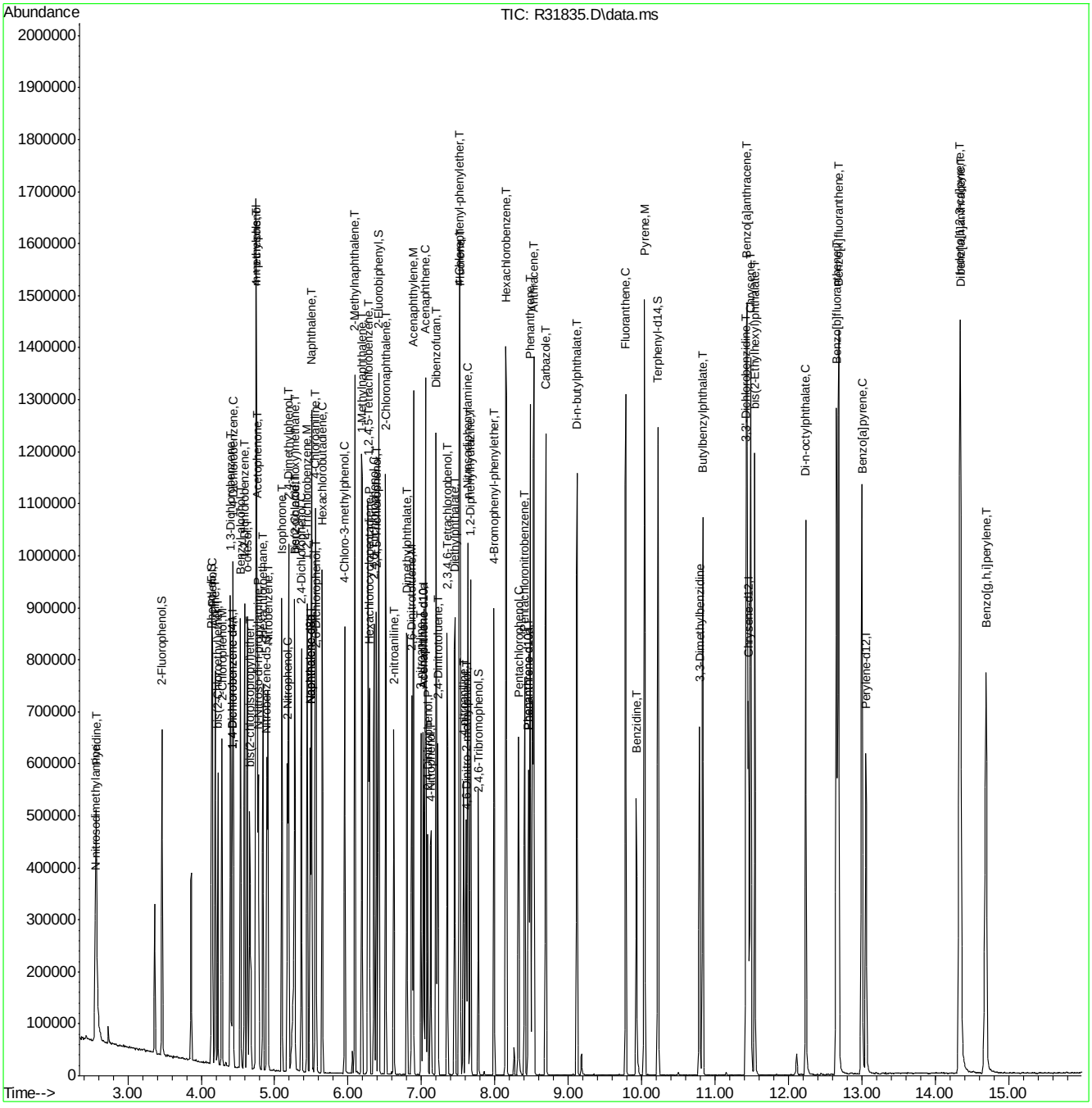
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	613966	103.10	ppm	99
94) Benzo[b]fluoranthene	12.654	252	605090	84.71	ppm	99
95) Benzo[k]fluoranthene	12.683	252	622047	88.23	ppm	97
96) Benzo[a]pyrene	13.001	252	570752	91.86	ppm	96
97) Indeno[1,2,3-cd]pyrene	14.336	276	702968	90.54	ppm	91
98) Dibenz[a,h]anthracene	14.342	278	559431	88.94	ppm	99
99) Benzo[g,h,i]perylene	14.689	276	577222	88.23	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	54158	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	54158	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	200776	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	200776	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	125917	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	125917	40.00	ppm	0.00
67) Phenanthrene-d10	8.460	188	221086	40.00	ppm	0.00
80) Phenanthrene-d10a	8.460	188	221086	40.00	ppm	0.00
82) Chrysene-d12	11.460	240	241245	40.00	ppm	0.00
92) Perylene-d12	13.060	264	234497	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	200776m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	206362	127.50	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 127.50%			
7) Phenol-d5	4.143	99	259408	126.43	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 126.43%			
24) Nitrobenzene-d5	4.895	82	236116	124.74	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 249.48%#			
48) 2-Fluorobiphenyl	6.425	172	514301	123.76	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 247.52%#			
71) 2,4,6-Tribromophenol	7.778	330	86880	136.74	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 136.74%#			
85) Terphenyl-d14	10.224	244	647239	127.36	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 254.72%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.554	74	133517	127.52	ug/l #	81
3) Pyridine	2.566	79	238557	123.95	ppm	89
4) Aniline	4.190	93	312582	128.92	ppm #	1
6) bis(2-Chloroethyl)ether	4.225	63	147175	127.21	ppm	85
8) Phenol	4.154	94	261710	128.78	ppm	98
9) 2-Chlorophenol	4.284	128	224163	131.24	ppm	97
10) 1,3-Dichlorobenzene	4.395	146	243499	124.66	ppm	98
11) 1,4-Dichlorobenzene	4.437	146	255712	126.21	ppm	97
12) 1,2-Dichlorobenzene	4.590	146	234064	129.79	ppm	99
13) Benzyl alcohol	4.537	108	143767	131.33	ppm	98
14) bis(2-chloroisopropyl)...	4.660	45	247142	124.79	ppm	81
15) o-cresol	4.631	108	189936	128.99	ppm	79
16) Acetophenone	4.766	105	310217	126.80	ppm	98
17) Hexachloroethane	4.842	117	95857	126.65	ppm	91
18) N-Nitroso-di-n-propyla...	4.784	70	146586	127.97	ppm	86
19) m+p-cresols	4.754	108	420159	261.28	ppm	98
20) 4-methylphenol	4.754	108	420159	261.33	ppm	98
25) Nitrobenzene	4.907	77	233401	121.28	ppm	92
26) Isophorone	5.095	82	406653	128.86	ppm	98
27) 2-Nitrophenol	5.178	139	116124	129.83	ppm	97
28) 2,4-Dimethylphenol	5.190	107	217491	130.92	ppm	95
29) bis(2-Chloroethoxy)met...	5.272	93	241373	126.48	ppm	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.284	105	168394	156.77	ppm		96
31) 2,4-Dichlorophenol	5.366	162	187778	127.69	ppm		97
32) 1,2,4-Trichlorobenzene	5.448	180	204227	123.41	ppm		99
33) Naphthalene	5.501	128	642164	124.57	ppm		99
34) 2,6-Dichlorophenol	5.566	162	186478	127.45	ppm		96
35) 4-Chloroaniline	5.554	127	268103	125.88	ppm		100
36) Hexachlorobutadiene	5.648	225	129200	125.04	ppm		100
37) 4-Chloro-3-methylphenol	5.954	107	183644	129.80	ppm		97
38) 2-Methylnaphthalene	6.089	142	452390	124.99	ppm		96
39) 1-Methylnaphthalene	6.189	142	433056	122.34	ppm		96
40) 1,2,4,5-Tetrachloroben...	6.272	216	232522	119.99	ppm		98
44) Pentachloronitrobenzene	8.407	237	66864	128.72	ppm		96
45) Hexachlorocyclopentadiene	6.289	237	157499	131.87	ppm		96
46) 2,4,6-Trichlorophenol	6.354	196	147593	129.32	ppm		96
47) 2,4,5-Trichlorophenol	6.384	196	153108	126.64	ppm		100
49) 2-Chloronaphthalene	6.519	162	411276	123.36	ppm		97
50) Acenaphthylene	6.889	152	681362	126.54	ppm		99
51) Dimethylphthalate	6.807	163	475981	125.60	ppm		99
52) 2,4-Dinitrotoluene	7.225	165	147554	131.60	ppm		91
53) Acenaphthene	7.060	153	435291	124.60	ppm		100
54) 2,4-Dinitrophenol	7.089	184	79663	143.27	ppm		91
55) Dibenzofuran	7.201	168	620765	125.49	ppm		97
56) 2,6-Dinitrotoluene	6.872	165	114393	135.43	ppm	#	62
57) 4-Nitrophenol	7.131	65	95470	128.63	ppm		87
58) 2,3,4,6-Tetrachlorophenol	7.354	232	134031	131.54	ppm		98
59) Fluorene	7.525	166	499158	125.77	ppm		99
60) 4-Chlorophenyl-phenyle...	7.519	204	240768	123.41	ppm		95
61) Diethylphthalate	7.454	149	476544	126.58	ppm		98
62) 2-nitroaniline	6.625	138	137621	133.29	ppm		91
63) 3-nitroaniline	6.995	138	119043	128.22	ppm		88
64) 4-nitroaniline	7.578	138	119501	130.88	ppm		88
68) 4,6-Dinitro-2-methylph...	7.613	198	101635	137.27	ppm		100
69) n-Nitrosodiphenylamine	7.636	169	360102	127.18	ppm		98
70) 1,2-Diphenylhydrazine	7.672	77	456935	123.25	ppm		97
72) 4-Bromophenyl-phenylether	7.989	248	148681	126.58	ppm		97
73) Hexachlorobenzene	8.148	284	164135	122.58	ppm		99
74) Pentachlorophenol	8.325	266	116494	141.36	ppm		97
75) Phenanthrene	8.483	178	722841	122.47	ppm		99
76) Anthracene	8.530	178	764579	127.03	ppm		99
77) Carbazole	8.695	167	706065	133.20	ppm		99
78) Di-n-butylphthalate	9.119	149	847814	132.88	ppm		99
79) Fluoranthene	9.783	202	795520	129.31	ppm		100
83) Benzidine	9.930	184	282972	140.93	ppm		99
84) Pyrene	10.042	202	870788	129.17	ppm		97
86) 3,3-Dimethylbenzidine	10.789	212	366855	141.93	ppm		100
87) Butylbenzylphthalate	10.830	149	370106	134.85	ppm		97
88) 3,3'-Dichlorobenzidine	11.424	252	323904	147.78	ppm		98
89) Benzo[a]anthracene	11.436	228	800204	131.71	ppm		100
90) Chrysene	11.489	228	780853	128.27	ppm		99
91) bis(2-Ethylhexyl)phtha...	11.542	149	534624	142.99	ppm		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration

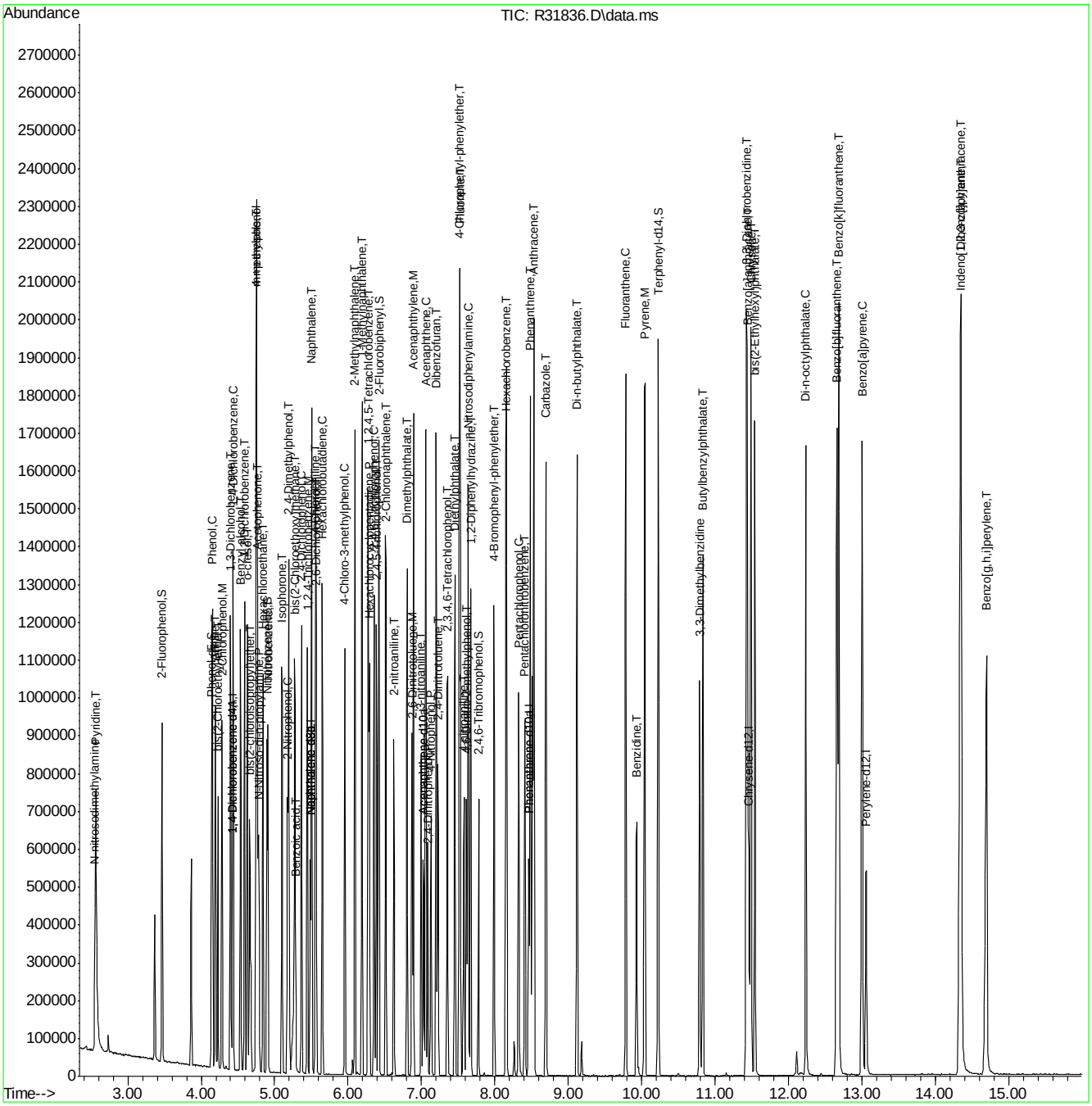
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	881487	156.57	ppm	99
94) Benzo[b]fluoranthene	12.660	252	907022	140.68	ppm	98
95) Benzo[k]fluoranthene	12.683	252	813670	126.95	ppm	98
96) Benzo[a]pyrene	13.001	252	784721	137.90	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.342	276	992175	139.90	ppm	95
98) Dibenz[a,h]anthracene	14.348	278	797085	139.18	ppm	98
99) Benzo[g,h,i]perylene	14.695	276	806240	135.55	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	50272	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	50272	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	179223	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	179223	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	113814	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	113814	40.00	ppm	0.00
67) Phenanthrene-d10	8.460	188	198099	40.00	ppm	0.00
80) Phenanthrene-d10a	8.460	188	198099	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	218244	40.00	ppm	0.00
92) Perylene-d12	13.054	264	210724	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	179232m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	253032	166.93	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 166.93%#			
7) Phenol-d5	4.148	99	320502	167.00	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 167.00%#			
24) Nitrobenzene-d5	4.895	82	288990	170.07	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 340.14%#			
48) 2-Fluorobiphenyl	6.425	172	620525	164.47	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 328.94%#			
71) 2,4,6-Tribromophenol	7.778	330	105558	181.20	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 181.20%#			
85) Terphenyl-d14	10.224	244	785889	169.46	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 338.92%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.554	74	164142	167.14	ug/l	84
3) Pyridine	2.566	79	288336	160.51	ppm	91
4) Aniline	4.195	93	383349	168.54	ppm #	1
6) bis(2-Chloroethyl)ether	4.225	63	178550	164.85	ppm	84
8) Phenol	4.154	94	322550	169.21	ppm	97
9) 2-Chlorophenol	4.284	128	271462	168.95	ppm	100
10) 1,3-Dichlorobenzene	4.395	146	300207	164.66	ppm	98
11) 1,4-Dichlorobenzene	4.437	146	314444	165.97	ppm	96
12) 1,2-Dichlorobenzene	4.590	146	285461	168.56	ppm	100
13) Benzyl alcohol	4.537	108	174167	168.75	ppm	95
14) bis(2-chloroisopropyl)...	4.660	45	305677	165.34	ppm	81
15) o-cresol	4.631	108	234170	169.51	ppm	81
16) Acetophenone	4.766	105	376289	164.36	ppm	100
17) Hexachloroethane	4.842	117	115747	163.46	ppm	92
18) N-Nitroso-di-n-propyla...	4.784	70	179357	167.09	ppm	85
19) m+p-cresols	4.754	108	516535	341.72	ppm	98
20) 4-methylphenol	4.754	108	516535	341.77	ppm	98
25) Nitrobenzene	4.913	77	286519	166.53	ppm	97
26) Isophorone	5.101	82	497277	174.68	ppm	98
27) 2-Nitrophenol	5.178	139	145555	179.85	ppm	98
28) 2,4-Dimethylphenol	5.190	107	264615	175.78	ppm	96
29) bis(2-Chloroethoxy)met...	5.278	93	294839	171.53	ppm	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30)	Benzoic acid	5.290	105	209388	205.77	ppm		92
31)	2,4-Dichlorophenol	5.366	162	232823	175.48	ppm		98
32)	1,2,4-Trichlorobenzene	5.448	180	254785	171.78	ppm		98
33)	Naphthalene	5.501	128	803204	173.61	ppm		99
34)	2,6-Dichlorophenol	5.566	162	225612	170.97	ppm		96
35)	4-Chloroaniline	5.560	127	333729	174.11	ppm		100
36)	Hexachlorobutadiene	5.648	225	155868	167.98	ppm		98
37)	4-Chloro-3-methylphenol	5.954	107	224748	175.57	ppm		99
38)	2-Methylnaphthalene	6.095	142	558643	171.89	ppm		95
39)	1-Methylnaphthalene	6.189	142	530263	167.35	ppm		95
40)	1,2,4,5-Tetrachloroben...	6.272	216	283132	163.68	ppm		100
44)	Pentachloronitrobenzene	8.413	237	83018	174.28	ppm		98
45)	Hexachlorocyclopentadiene	6.289	237	194667	177.40	ppm		98
46)	2,4,6-Trichlorophenol	6.354	196	179613	171.89	ppm		94
47)	2,4,5-Trichlorophenol	6.384	196	187671	170.16	ppm		96
49)	2-Chloronaphthalene	6.519	162	500046	165.28	ppm		96
50)	Acenaphthylene	6.889	152	834518	170.14	ppm		100
51)	Dimethylphthalate	6.807	163	583310	169.17	ppm		99
52)	2,4-Dinitrotoluene	7.231	165	182759	177.48	ppm		95
53)	Acenaphthene	7.060	153	537854	169.40	ppm		99
54)	2,4-Dinitrophenol	7.089	184	97223	184.50	ppm		85
55)	Dibenzofuran	7.201	168	756639	168.13	ppm		98
56)	2,6-Dinitrotoluene	6.872	165	138375	177.44	ppm	#	62
57)	4-Nitrophenol	7.131	65	118394	173.98	ppm		83
58)	2,3,4,6-Tetrachlorophenol	7.354	232	166949	178.41	ppm		98
59)	Fluorene	7.531	166	616734	170.74	ppm		98
60)	4-Chlorophenyl-phenyle...	7.519	204	293229	165.61	ppm		96
61)	Diethylphthalate	7.454	149	586849	171.12	ppm		97
62)	2-nitroaniline	6.625	138	170792	179.70	ppm		89
63)	3-nitroaniline	7.001	138	146154	171.81	ppm		95
64)	4-nitroaniline	7.578	138	146300	174.11	ppm		84
68)	4,6-Dinitro-2-methylph...	7.613	198	128568	188.37	ppm		100
69)	n-Nitrosodiphenylamine	7.636	169	440260	172.06	ppm		99
70)	1,2-Diphenylhydrazine	7.672	77	564004	169.13	ppm		98
72)	4-Bromophenyl-phenylether	7.989	248	180393	170.06	ppm		97
73)	Hexachlorobenzene	8.148	284	200255	166.40	ppm		99
74)	Pentachlorophenol	8.325	266	141190	184.63	ppm		97
75)	Phenanthrene	8.483	178	909636	171.50	ppm		98
76)	Anthracene	8.530	178	938236	172.53	ppm		99
77)	Carbazole	8.701	167	859533	178.17	ppm		99
78)	Di-n-butylphthalate	9.119	149	1047691	180.04	ppm		100
79)	Fluoranthene	9.783	202	986010	176.91	ppm		97
83)	Benzidine	9.930	184	359721	198.04	ppm		99
84)	Pyrene	10.042	202	1079071	175.03	ppm		97
86)	3,3-Dimethylbenzidine	10.789	212	452555	193.54	ppm		100
87)	Butylbenzylphthalate	10.830	149	457121	180.38	ppm		95
88)	3,3'-Dichlorobenzidine	11.424	252	400871	194.66	ppm		97
89)	Benzo[a]anthracene	11.436	228	980256	175.90	ppm		100
90)	Chrysene	11.489	228	952946	171.35	ppm		99
91)	bis(2-Ethylhexyl)phtha...	11.542	149	665537	190.68	ppm		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	1096487	206.25	ppm	99
94) Benzo[b]fluoranthene	12.660	252	1081845	182.24	ppm	98
95) Benzo[k]fluoranthene	12.683	252	1028774	177.16	ppm	98
96) Benzo[a]pyrene	13.001	252	962978	184.39	ppm	99
97) Indeno[1,2,3-cd]pyrene	14.342	276	1197113	183.49	ppm	96
98) Dibenz[a,h]anthracene	14.348	278	971298	184.52	ppm	99
99) Benzo[g,h,i]perylene	14.695	276	965112	177.29	ppm	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

9.6.8

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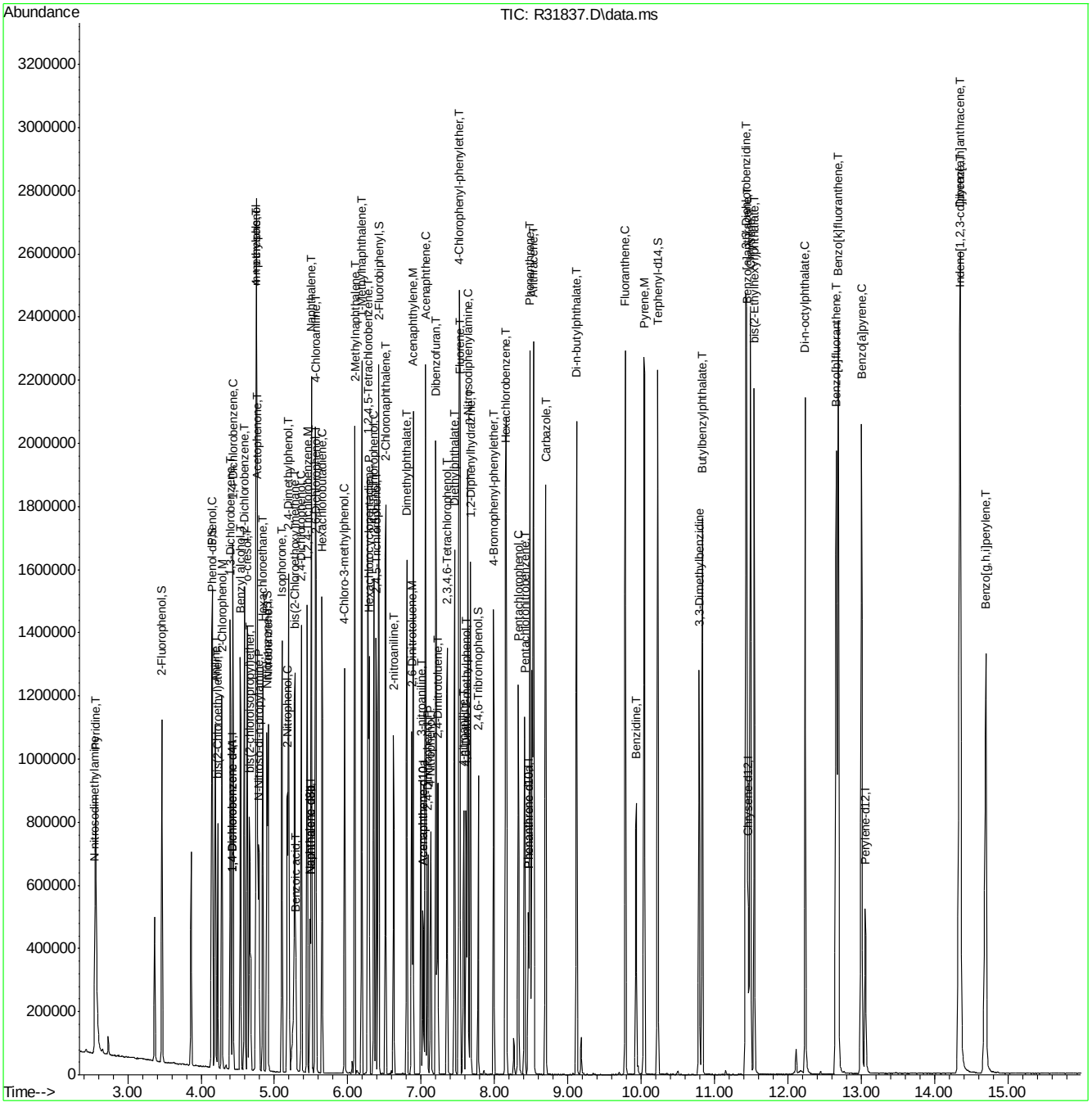
ACCUTEST LABORATORIES MC23593

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31839.D
Acq On : 28 Jun 2013 11:13 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 08 17:07:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:56:20 2013
Response via : Initial Calibration

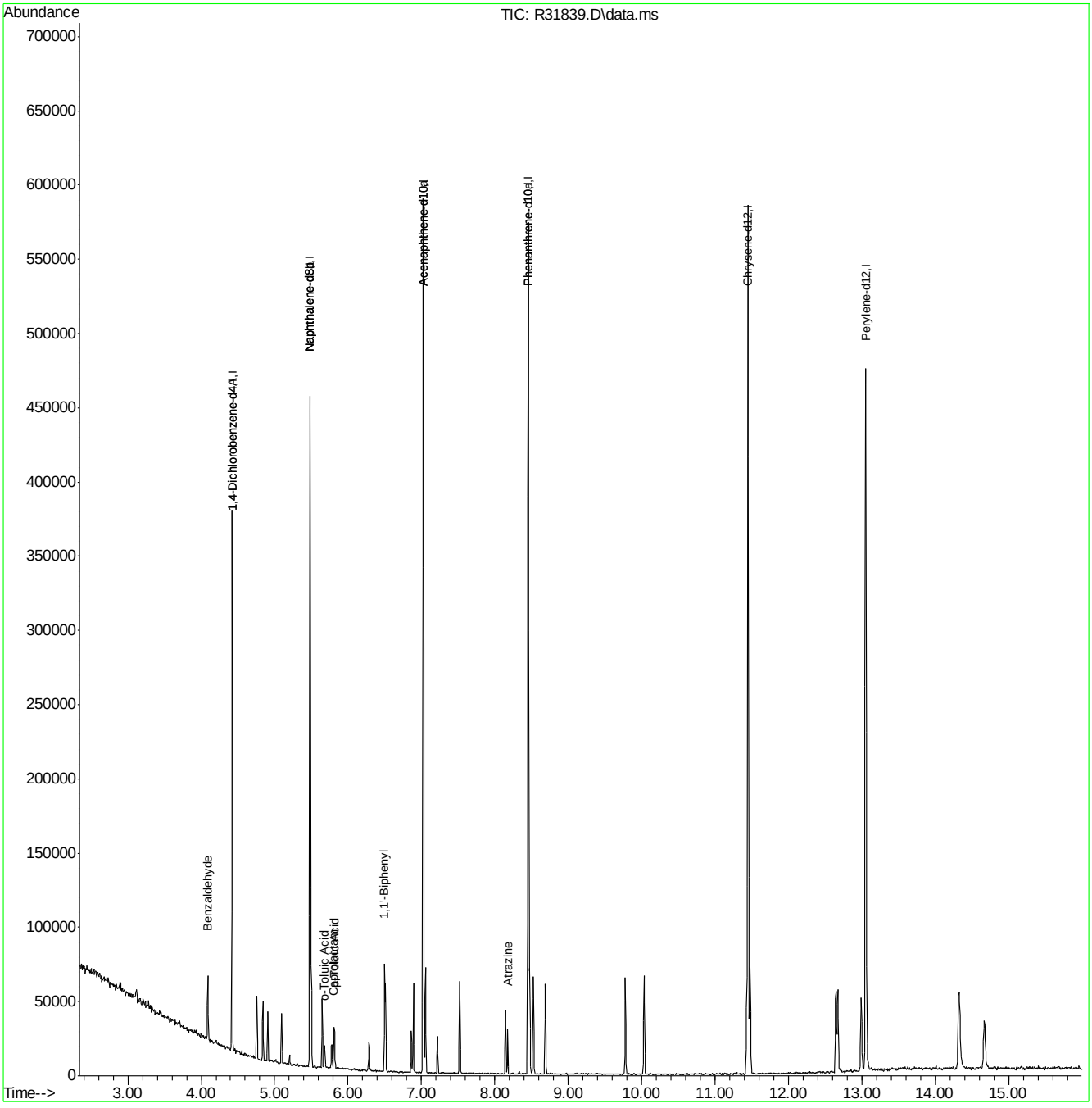
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	51755m	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	51769	40.00	PPM		0.00
23) Naphthalene-d8	5.478	136	185984m	40.00	ppm		0.00
41) Naphthalene-d8a	5.478	136	185981	40.00	ppm	#	0.00
43) Acenaphthene-d10	7.025	164	113905m	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	113927	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	203257m	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	202138	40.00	ppm		0.00
82) Chrysene-d12	11.448	240	217514m	40.00	ppm		0.00
92) Perylene-d12	13.054	264	214634m	40.00	ppm		0.00
100) Naphthalene-d8b	5.478	136	185989m	40.00	ug/mL		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
22) Benzaldehyde	4.090	77	5986m	4.51	ppm		
42) Caprolactam	5.807	55	2460	3.33	ppm	#	100
66) 1,1'-Biphenyl	6.495	154	20604	4.85	ppm	#	100
81) Atrazine	8.178	200	4006	3.69	ppm	#	100
101) o-Toluic Acid	5.678	118	2302m	2.57	ug/mL		
103) p-Toluic Acid	5.819	91	5443	3.49	ug/mL	#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31839.D
Acq On : 28 Jun 2013 11:13 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 08 17:07:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:56:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31840.D
Acq On : 28 Jun 2013 11:36 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 08 17:07:14 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:57:50 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	43065m	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	43061	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	158287m	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	158278	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	95549m	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	95543	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	175803m	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	174860	40.00	ppm		0.00
82) Chrysene-d12	11.448	240	186746m	40.00	ppm		0.00
92) Perylene-d12	13.054	264	183518m	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	158293m	40.00	ug/mL		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
22) Benzaldehyde	4.090	77	12205m	11.63	ppm		
42) Caprolactam	5.813	55	5213	9.96	ppm	#	100
66) 1,1'-Biphenyl	6.495	154	34137	9.73	ppm	#	100
81) Atrazine	8.178	200	7756	9.51	ppm	#	100
101) o-Toluic Acid	5.690	118	4927m	8.53	ug/mL		
103) p-Toluic Acid	5.825	91	11795	10.46	ug/mL	#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

9.6.10

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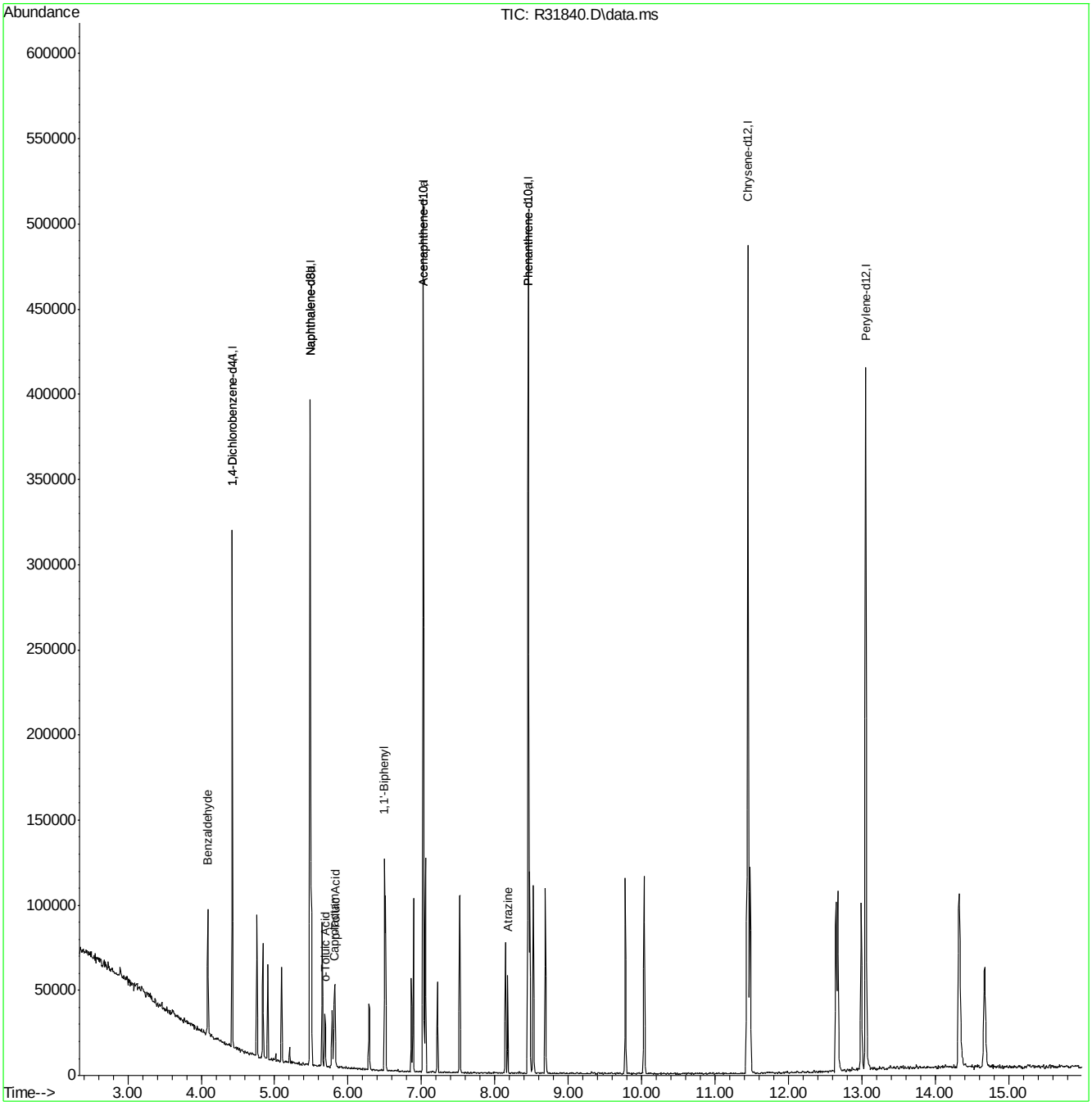
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31840.D
Acq On : 28 Jun 2013 11:36 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 08 17:07:14 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:57:50 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31841.D
Acq On : 28 Jun 2013 11:59 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 08 17:07:54 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:58:44 2013
Response via : Initial Calibration

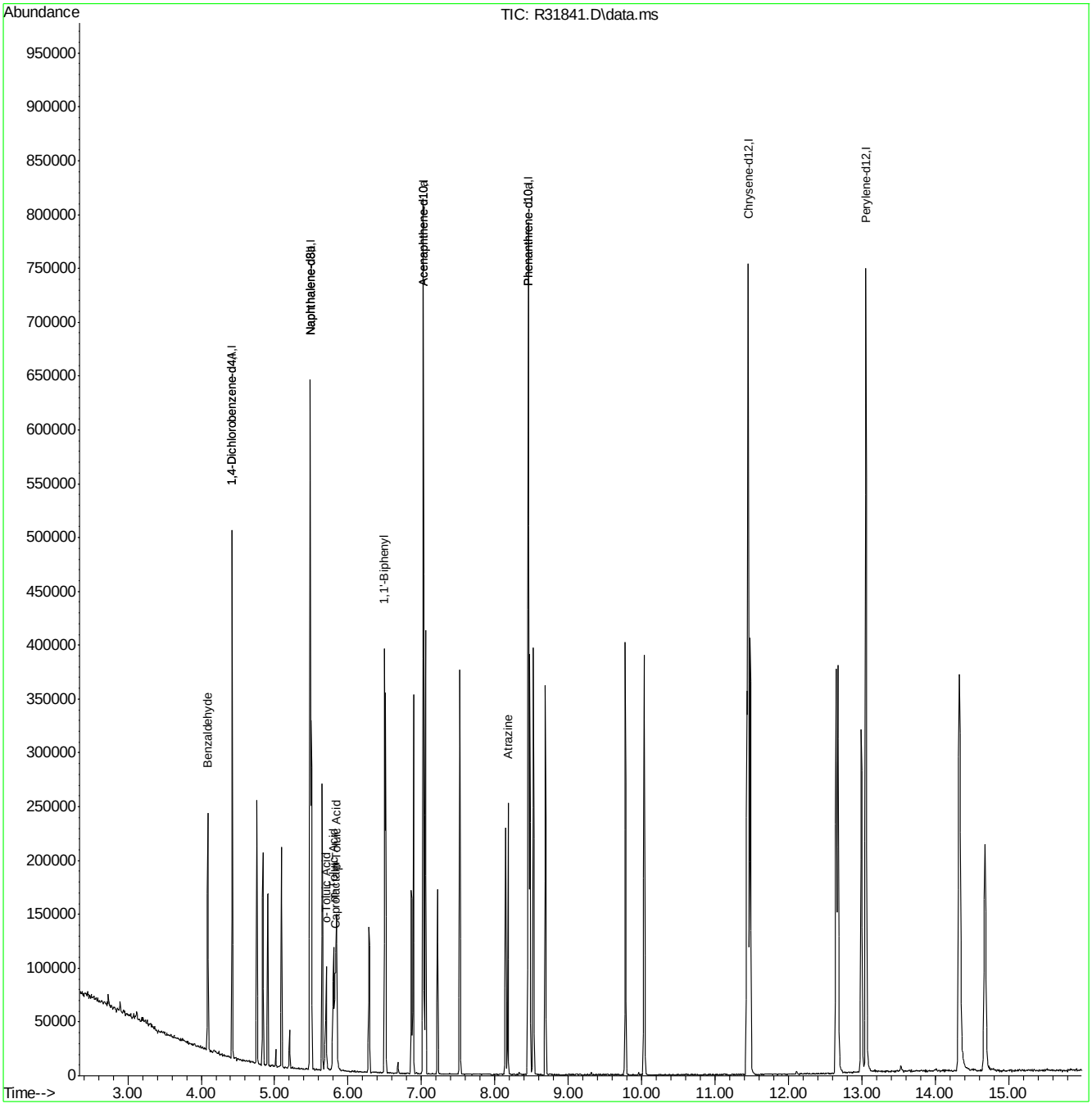
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.419	152	70121m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.419	152	70114	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	248909m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	248898	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	157195m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	157189	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	277532m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	275791	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	317196m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	311683m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	248932m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	35008m	19.43	ppm	
42) Caprolactam	5.825	55	18376	22.36	ppm	# 100
66) 1,1'-Biphenyl	6.495	154	109313	19.11	ppm	# 100
81) Atrazine	8.178	200	27375	21.64	ppm	# 100
101) o-Toluic Acid	5.701	118	19381m	22.43	ug/mL	
102) m-Toluic Acid	5.801	136	22150m	19.74	ug/mL	
103) p-Toluic Acid	5.842	91	38523	21.40	ug/mL	# 100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31841.D
Acq On : 28 Jun 2013 11:59 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 08 17:07:54 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:58:44 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31842.D
Acq On : 29 Jun 2013 12:21 am
Operator : kristinr
Sample : IC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 08 17:08:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:56:09 2013
Response via : Initial Calibration

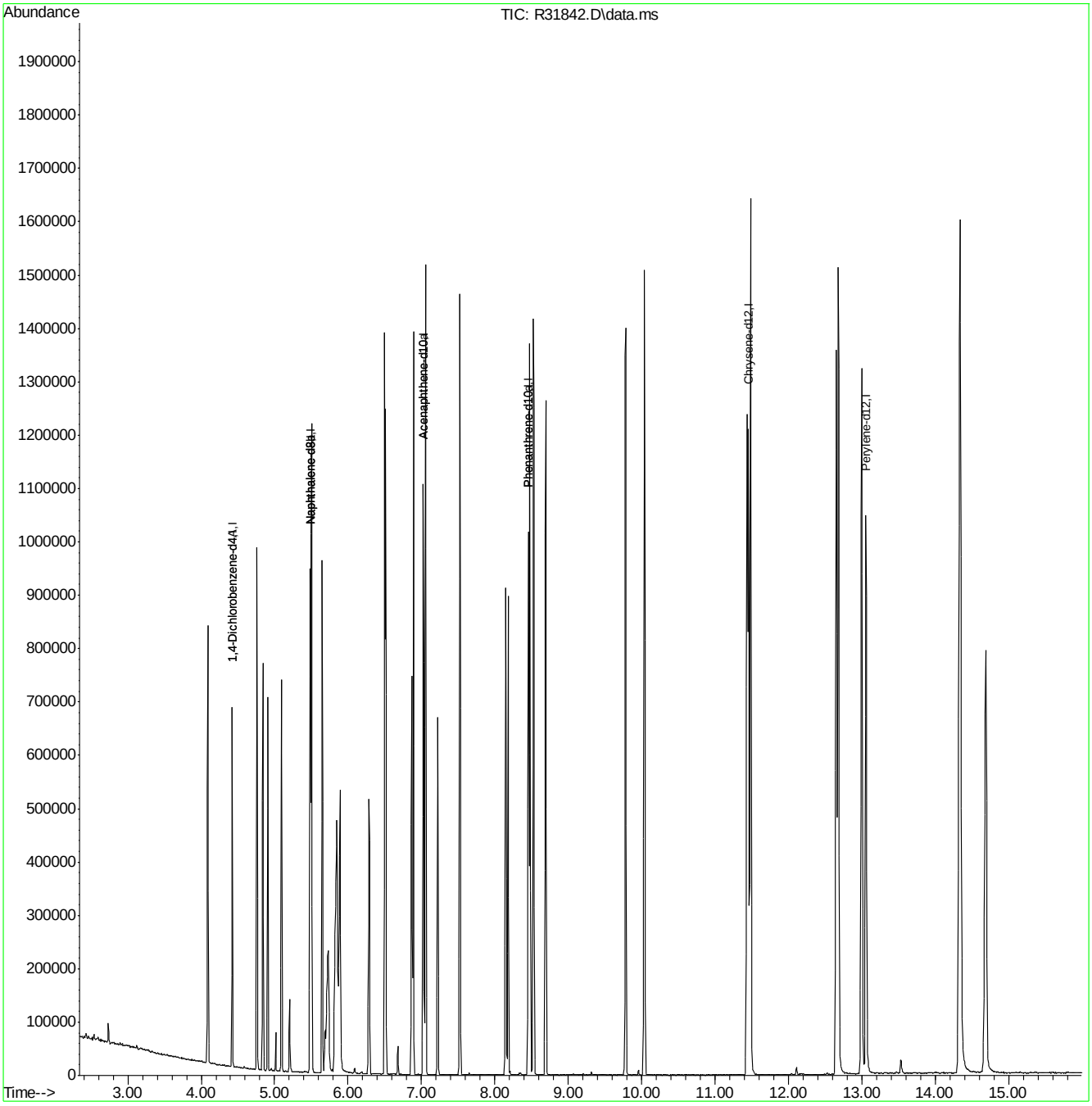
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	99665m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	99689	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	359948m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	359938	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	220423m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	220393	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	399652m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	397954	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	457283m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	457187m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	359814m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery = 0.00%#			
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery = 0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery = 0.00%#			
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery = 0.00%#			
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery = 0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31842.D
Acq On : 29 Jun 2013 12:21 am
Operator : kristinr
Sample : IC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 08 17:08:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:56:09 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31843.D
Acq On : 29 Jun 2013 12:45 am
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 08 17:08:37 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:00:42 2013
Response via : Initial Calibration

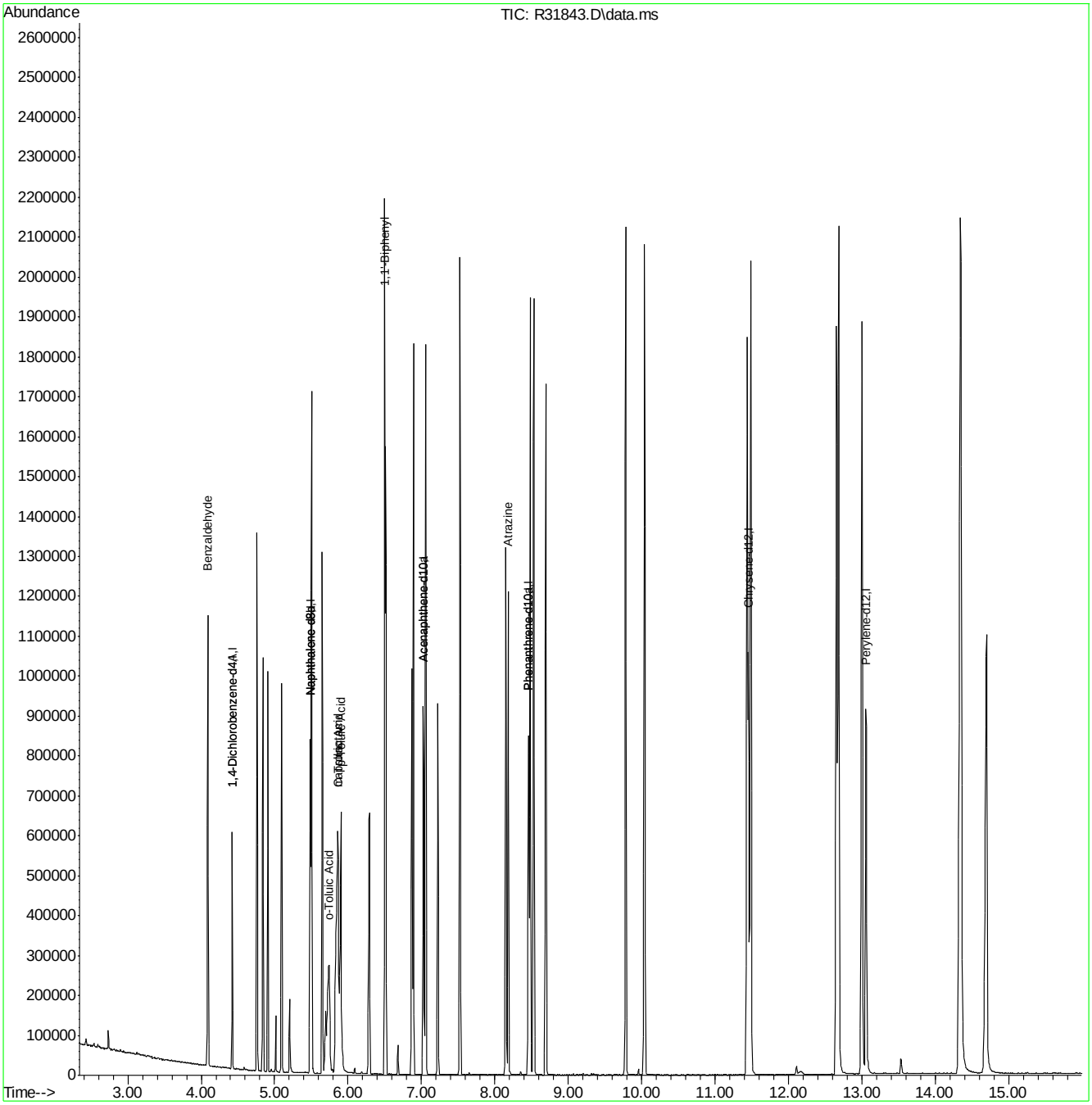
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	81660m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	81658	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	308277m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	308252	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	193654m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	193645	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	348848m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	347113	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	394970m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	393582m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	308242m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	168278m	80.76	ppm	
42) Caprolactam	5.860	55	96297m	91.89	ppm	
66) 1,1'-Biphenyl	6.501	154	566530	81.30	ppm #	100
81) Atrazine	8.183	200	147503	90.77	ppm #	100
101) o-Toluic Acid	5.742	118	125061m	113.45	ug/mL	
102) m-Toluic Acid	5.860	136	145492m	72.37	ug/mL	
103) p-Toluic Acid	5.907	91	194511m	85.77	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31843.D
Acq On : 29 Jun 2013 12:45 am
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 08 17:08:37 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:00:42 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31844.D
Acq On : 29 Jun 2013 1:08 am
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 08 17:09:01 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:02:34 2013
Response via : Initial Calibration

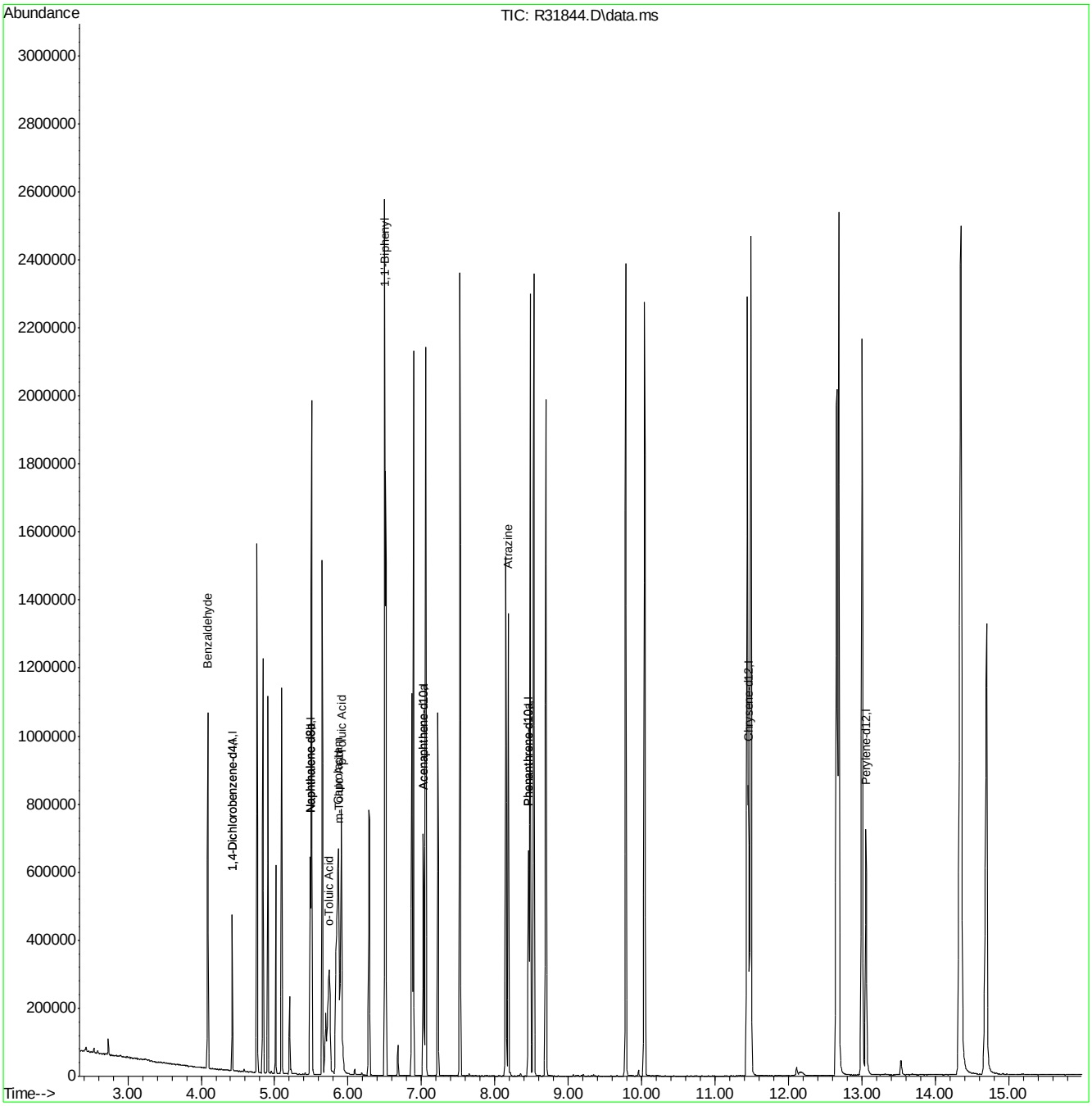
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	64215m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	64209	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	238587m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	238559	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	145572m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	145605	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	266422m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	265173	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	302539m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	297813m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	238559m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	155618m	94.80	ppm	
42) Caprolactam	5.866	55	115046m	137.76	ppm	
66) 1,1'-Biphenyl	6.501	154	658054	125.18	ppm	# 100
81) Atrazine	8.184	200	168957	132.53	ppm	# 100
101) o-Toluic Acid	5.742	118	148165m	160.27	ug/mL	
102) m-Toluic Acid	5.872	136	193444m	118.74	ug/mL	
103) p-Toluic Acid	5.913	91	228040m	128.08	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31844.D
Acq On : 29 Jun 2013 1:08 am
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 08 17:09:01 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:02:34 2013
Response via : Initial Calibration



R31845.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31845.D
Acq On : 29 Jun 2013 1:32 am
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 08 17:09:43 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:04:39 2013
Response via : Initial Calibration

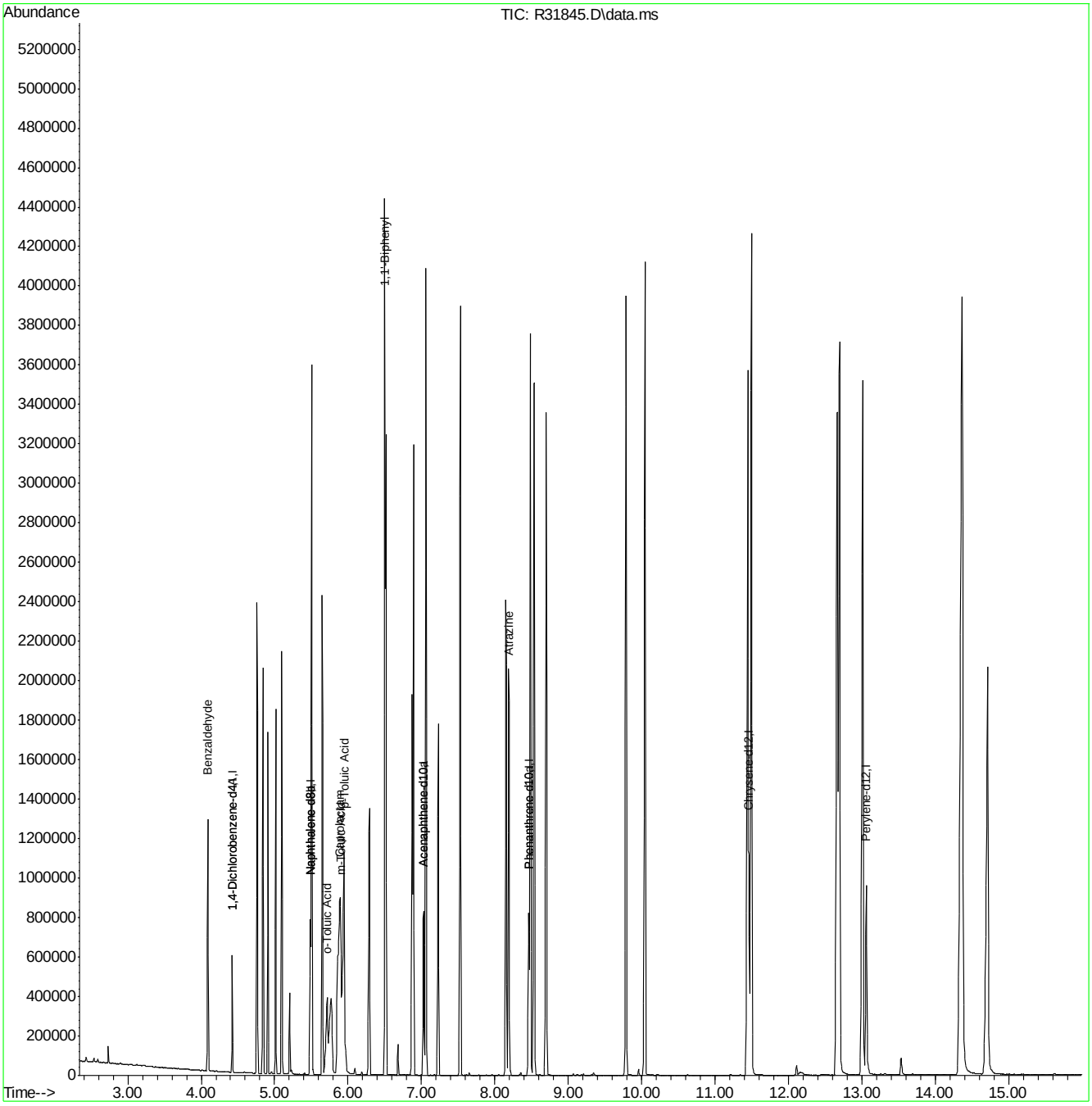
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	78085m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	78117	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	297117m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	297107	40.00	ppm	0.00
43) Acenaphthene-d10	7.031	164	188814m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.031	164	188789	40.00	ppm	0.00
67) Phenanthrene-d10	8.460	188	338778m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.460	188	337541	40.00	ppm	0.00
82) Chrysene-d12	11.460	240	388468m	40.00	ppm	0.00
92) Perylene-d12	13.060	264	386358m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	297107m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	195827m	98.06	ppm	
42) Caprolactam	5.884	55	195090m	163.84	ppm	
66) 1,1'-Biphenyl	6.501	154	1134425	165.25	ppm #	100
81) Atrazine	8.195	200	293647	177.86	ppm #	100
101) o-Toluic Acid	5.719	118	261477m	165.37	ug/mL	
102) m-Toluic Acid	5.901	136	331757m	153.09	ug/mL	
103) p-Toluic Acid	5.948	91	379240m	169.13	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31845.D
Acq On : 29 Jun 2013 1:32 am
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 08 17:09:43 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:04:39 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Doug Yargeau
07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	102428	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	102428	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	396436	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	396436	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	260777	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	260777	40.00	ppm		0.00
67) Phenanthrene-d10	8.460	188	461001	40.00	ppm		0.00
80) Phenanthrene-d10a	8.460	188	461001	40.00	ppm		0.00
82) Chrysene-d12	11.454	240	522330	40.00	ppm		0.00
92) Perylene-d12	13.060	264	497815	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	396436	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.466	112	162292	52.27	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 52.27%				
7) Phenol-d5	4.143	99	200950	51.11	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 51.11%				
24) Nitrobenzene-d5	4.890	82	181994	48.04	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 96.08%				
48) 2-Fluorobiphenyl	6.419	172	428486	49.39	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 98.78%				
71) 2,4,6-Tribromophenol	7.778	330	70554	51.08	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 51.08%				
85) Terphenyl-d14	10.225	244	557458	49.86	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 99.72%				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.554	74	98911	49.12	ug/l	#	81
3) Pyridine	2.566	79	162713	44.44	ppm		88
4) Aniline	4.190	93	210738	45.17	ppm	#	1
6) bis(2-Chloroethyl)ether	4.225	63	112249	50.67	ppm		90
8) Phenol	4.154	94	204234	52.21	ppm		98
9) 2-Chlorophenol	4.278	128	175569	53.26	ppm		96
10) 1,3-Dichlorobenzene	4.396	146	181775	48.76	ppm		98
11) 1,4-Dichlorobenzene	4.437	146	189184	48.78	ppm		97
12) 1,2-Dichlorobenzene	4.590	146	180024	51.83	ppm		98
13) Benzyl alcohol	4.537	108	106099	50.06	ppm		97
14) bis(2-chloroisopropyl)...	4.660	45	232887	61.57	ppm		79
15) o-cresol	4.631	108	148143	52.24	ppm		82
16) Acetophenone	4.760	105	232723	49.72	ppm		97
17) Hexachloroethane	4.843	117	72342	50.01	ppm		89
18) N-Nitroso-di-n-propyla...	4.778	70	117713	53.53	ppm		83
19) m+p-cresols	4.748	108	328647	105.81	ppm		99
20) 4-methylphenol	4.748	108	328647	105.83	ppm		99
22) Benzaldehyde	4.090	77	117515m	44.88	ppm		
25) Nitrobenzene	4.907	77	176054	46.03	ppm		95
26) Isophorone	5.095	82	301667	47.36	ppm		98
27) 2-Nitrophenol	5.172	139	89933	49.36	ppm		92
28) 2,4-Dimethylphenol	5.190	107	168483	49.90	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) bis(2-Chloroethoxy)met...	5.272	93	192217	50.04	ppm		98
30) Benzoic acid	5.272	105	136105	53.41	ppm		96
31) 2,4-Dichlorophenol	5.366	162	150620	50.62	ppm		100
32) 1,2,4-Trichlorobenzene	5.443	180	166612	50.32	ppm		98
33) Naphthalene	5.501	128	511298	49.44	ppm		99
34) 2,6-Dichlorophenol	5.566	162	145894	49.50	ppm		94
35) 4-Chloroaniline	5.554	127	167949	39.12	ppm		100
36) Hexachlorobutadiene	5.648	225	98872	47.87	ppm		96
37) 4-Chloro-3-methylphenol	5.960	107	144195	50.23	ppm		99
38) 2-Methylnaphthalene	6.090	142	343497	47.34	ppm		95
39) 1-Methylnaphthalene	6.184	142	339582	48.17	ppm		95
40) 1,2,4,5-Tetrachloroben...	6.272	216	179190	46.70	ppm		98
42) Caprolactam	5.831	55	74420	47.86	ppm	#	100
44) Pentachloronitrobenzene	8.407	237	52229	47.15	ppm		96
45) Hexachlorocyclopentadiene	6.290	237	61559	24.11	ppm		99
46) 2,4,6-Trichlorophenol	6.354	196	120111	49.64	ppm		97
47) 2,4,5-Trichlorophenol	6.390	196	131241	51.47	ppm		98
49) 2-Chloronaphthalene	6.513	162	347577	49.93	ppm		96
50) Acenaphthylene	6.889	152	558012m	49.26	ppm		
51) Dimethylphthalate	6.807	163	383077	48.14	ppm		99
52) 2,4-Dinitrotoluene	7.225	165	126189	52.66	ppm		98
53) Acenaphthene	7.054	153	359375	49.04	ppm		99
54) 2,4-Dinitrophenol	7.084	184	62344	50.10	ppm		91
55) Dibenzofuran	7.201	168	486232	46.86	ppm		99
56) 2,6-Dinitrotoluene	6.866	165	89759	49.46	ppm		73
57) 4-Nitrophenol	7.131	65	75053	47.44	ppm		87
58) 2,3,4,6-Tetrachlorophenol	7.354	232	109848	50.40	ppm		99
59) Fluorene	7.525	166	421393	50.49	ppm		99
60) 4-Chlorophenyl-phenyle...	7.513	204	203060	49.83	ppm		90
61) Diethylphthalate	7.454	149	407241	51.38	ppm		98
62) 2-nitroaniline	6.625	138	111580	50.35	ppm		92
63) 3-nitroaniline	6.995	138	74182	37.60	ppm		94
64) 4-nitroaniline	7.572	138	93866	48.05	ppm		86
66) 1,1'-Biphenyl	6.501	154	439270	46.11	ppm	#	100
68) 4,6-Dinitro-2-methylph...	7.613	198	89921	52.04	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	289409	48.15	ppm		98
70) 1,2-Diphenylhydrazine	7.666	77	374751	47.95	ppm		98
72) 4-Bromophenyl-phenylether	7.989	248	117706	47.31	ppm		98
73) Hexachlorobenzene	8.148	284	142551	50.65	ppm		98
74) Pentachlorophenol	8.325	266	92571	50.72	ppm		100
75) Phenanthrene	8.483	178	617835	49.61	ppm		99
76) Anthracene	8.531	178	616762	48.26	ppm		99
77) Carbazole	8.695	167	581297	51.05	ppm		99
78) Di-n-butylphthalate	9.119	149	687192	49.85	ppm		100
79) Fluoranthene	9.783	202	704215	53.59	ppm		99
81) Atrazine	8.184	200	120641m	53.50	ppm		
83) Benzidine	9.925	184	288266	60.27	ppm		99
84) Pyrene	10.036	202	729336	48.86	ppm		99
87) Butylbenzylphthalate	10.830	149	307300	49.76	ppm		96
88) 3,3'-Dichlorobenzidine	11.419	252	193426	35.70	ppm		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

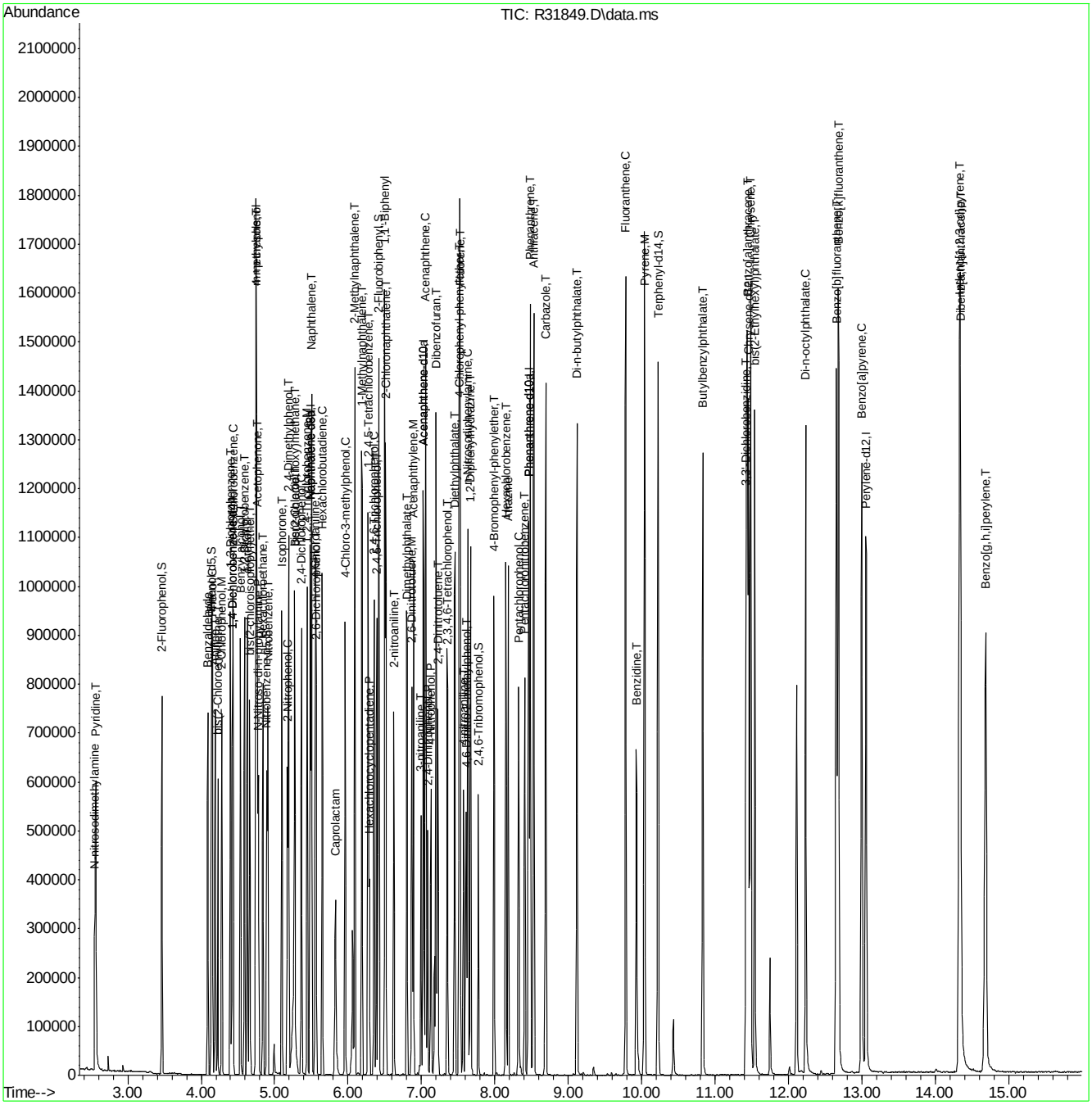
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89)	Benzo[a]anthracene	11.436	228	717890	53.16	ppm	98
90)	Chrysene	11.483	228	663099	49.38	ppm	99
91)	bis(2-Ethylhexyl)phtha...	11.542	149	455136	49.31	ppm	100
93)	Di-n-octylphthalate	12.230	149	771729	52.01	ppm	99
94)	Benzo[b]fluoranthene	12.654	252	726188	50.90	ppm	98
95)	Benzo[k]fluoranthene	12.677	252	726398	52.25	ppm	98
96)	Benzo[a]pyrene	12.995	252	600680	47.78	ppm	98
97)	Indeno[1,2,3-cd]pyrene	14.330	276	791853	50.45	ppm	91
98)	Dibenz[a,h]anthracene	14.342	278	639524	50.46	ppm	98
99)	Benzo[g,h,i]perylene	14.683	276	657776	50.47	ppm	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 08/26/13 14:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32871.D
Acq On : 21 Aug 2013 7:48 am
Operator : kristinr
Sample : CC1159-80, TCL11
Misc : OP34233,MSR1199,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 26 10:38:41 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

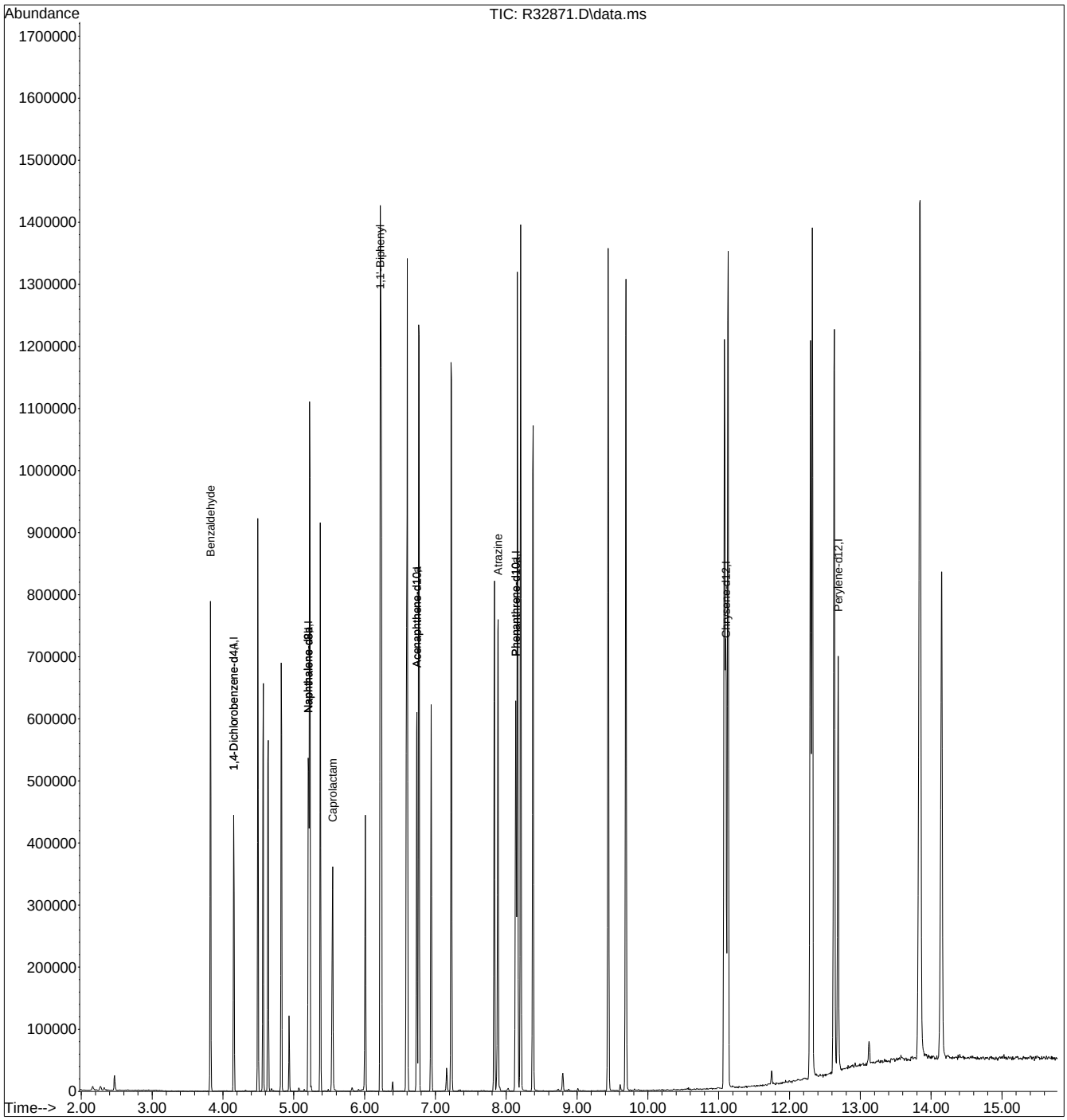
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	59526	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	59526	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	218439	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	218439	40.00	ppm	#-0.08
43) Acenaphthene-d10	6.740	164	130932	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.740	164	130932	40.00	ppm	-0.08
67) Phenanthrene-d10	8.134	188	225412	40.00	ppm	-0.09
80) Phenanthrene-d10a	8.134	188	225412	40.00	ppm	-0.09
82) Chrysene-d12	11.105	240	261483	40.00	ppm	-0.10
92) Perylene-d12	12.687	264	240322m	40.00	ppm	-0.10
100) Naphthalene-d8b	5.205	136	218439	40.00	ug/mL	#-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	3.823	77	121850m	82.97	ppm	
42) Caprolactam	5.552	55	70676	81.20	ppm	# 100
66) 1,1'-Biphenyl	6.223	154	371109	77.58	ppm	# 100
81) Atrazine	7.887	200	97085	88.05	ppm	# 100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32871.D
Acq On : 21 Aug 2013 7:48 am
Operator : kristinr
Sample : CC1159-80, TCL11
Misc : OP34233,MSR1199,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 26 10:38:41 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23593

9.6.17

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32872.D
Acq On : 21 Aug 2013 8:10 am
Operator : kristinr
Sample : CC1159-50
Misc : OP34233,MSR1199,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 21 08:30:36 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	50035	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	50035	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	177956	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	177956	40.00	ppm	-0.08
43) Acenaphthene-d10	6.735	164	111349	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.735	164	111349	40.00	ppm	-0.08
67) Phenanthrene-d10	8.135	188	186292	40.00	ppm	-0.09
80) Phenanthrene-d10a	8.135	188	186292	40.00	ppm	-0.09
82) Chrysene-d12	11.099	240	214817	40.00	ppm	-0.10
92) Perylene-d12	12.687	264	200949	40.00	ppm	-0.10
100) Naphthalene-d8b	5.205	136	177956	40.00	ug/mL	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.229	112	71370	47.05	ppm	-0.08
Spiked Amount 100.000	Range 30 - 130		Recovery = 47.05%			
7) Phenol-d5	3.911	99	86958	45.28	ppm	-0.05
Spiked Amount 100.000	Range 30 - 130		Recovery = 45.28%			
24) Nitrobenzene-d5	4.623	82	79410	46.70	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 93.40%			
48) 2-Fluorobiphenyl	6.146	172	182184	49.18	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 98.36%			
71) 2,4,6-Tribromophenol	7.470	330	26458	47.40	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 47.40%			
85) Terphenyl-d14	9.882	244	216481	47.08	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 94.16%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.294	74	44551	45.29	ug/l #	72
3) Pyridine	2.306	79	81440	45.53	ppm	78
4) Aniline	3.929	93	121838	53.46	ppm #	1
6) bis(2-Chloroethyl)ether	3.964	63	54194	50.08	ppm	82
8) Phenol	3.917	94	105425	55.17	ppm	93
9) 2-Chlorophenol	4.023	128	82657	51.33	ppm	98
10) 1,3-Dichlorobenzene	4.129	146	89976	49.40	ppm	99
11) 1,4-Dichlorobenzene	4.164	146	92197	48.67	ppm	95
12) 1,2-Dichlorobenzene	4.317	146	86009	50.69	ppm	99
13) Benzyl alcohol	4.276	108	50705	48.98	ppm	97
14) bis(2-chloroisopropyl)...	4.394	45	100962	54.64	ppm	97
15) o-cresol	4.388	108	70124	50.62	ppm	83
16) Acetophenone	4.494	105	102906	45.01	ppm	91
17) Hexachloroethane	4.570	117	33740	47.74	ppm	83
18) N-Nitroso-di-n-propyla...	4.511	70	47545	44.26	ppm	84
19) m+p-cresols	4.505	108	147174	97.00	ppm	97
20) 4-methylphenol	4.505	108	147174	97.02	ppm	97
25) Nitrobenzene	4.635	77	76937	44.81	ppm	95
26) Isophorone	4.829	82	140855	49.27	ppm	95
27) 2-Nitrophenol	4.905	139	42370	51.81	ppm	99
28) 2,4-Dimethylphenol	4.935	107	78750	51.95	ppm	97
29) bis(2-Chloroethoxy)met...	5.011	93	86269	50.03	ppm	98
30) Benzoic acid	5.029	105	50984	45.37	ppm	96
31) 2,4-Dichlorophenol	5.105	162	71139	53.26	ppm	96
32) 1,2,4-Trichlorobenzene	5.170	180	74279	49.98	ppm	99
33) Naphthalene	5.223	128	229723	49.48	ppm	98
34) 2,6-Dichlorophenol	5.299	162	70250	53.10	ppm	96
35) 4-Chloroaniline	5.288	127	97200	50.44	ppm	100
36) Hexachlorobutadiene	5.376	225	45462	49.04	ppm	98
37) 4-Chloro-3-methylphenol	5.711	107	65549	50.86	ppm	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32872.D
Acq On : 21 Aug 2013 8:10 am
Operator : kristinr
Sample : CC1159-50
Misc : OP34233,MSR1199,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 21 08:30:36 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

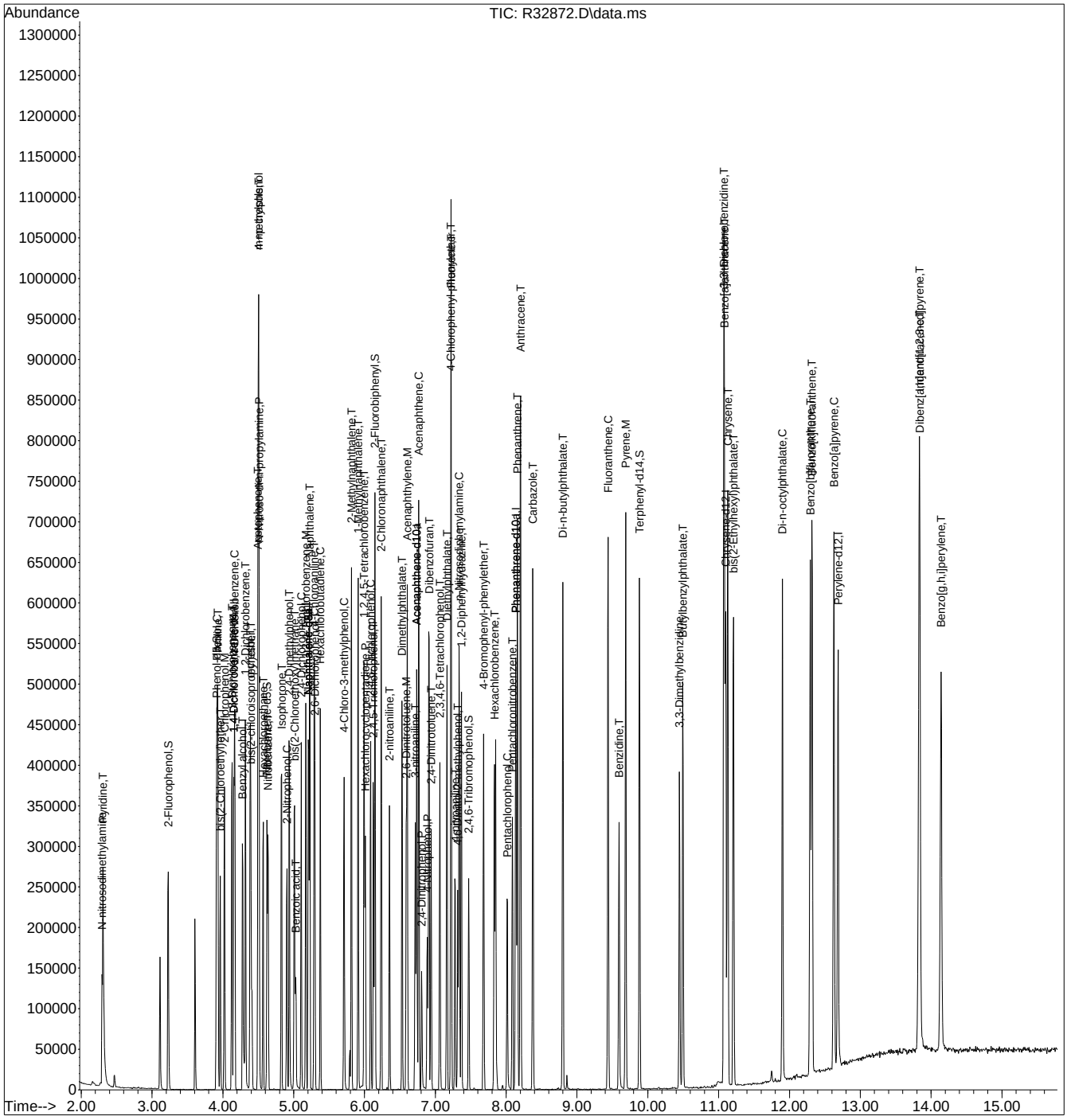
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	5.817	142	156879	48.17	ppm	98
39) 1-Methylnaphthalene	5.911	142	145226	45.90	ppm	98
40) 1,2,4,5-Tetrachloroben...	5.994	216	81989	47.60	ppm	100
44) Pentachloronitrobenzene	8.088	237	21207	44.84	ppm	98
45) Hexachlorocyclopentadiene	6.011	237	42259	38.76	ppm	99
46) 2,4,6-Trichlorophenol	6.088	196	54528	52.78	ppm	95
47) 2,4,5-Trichlorophenol	6.123	196	59797	54.92	ppm	99
49) 2-Chloronaphthalene	6.235	162	151801	51.07	ppm	97
50) Acenaphthylene	6.605	152	235192	48.63	ppm	99
51) Dimethylphthalate	6.529	163	171219	50.39	ppm	99
52) 2,4-Dinitrotoluene	6.941	165	49001	47.89	ppm	92
53) Acenaphthene	6.764	153	154347	49.33	ppm	98
54) 2,4-Dinitrophenol	6.805	184	20330	38.26	ppm	87
55) Dibenzofuran	6.911	168	224115	50.58	ppm	98
56) 2,6-Dinitrotoluene	6.588	165	36757	47.44	ppm	92
57) 4-Nitrophenol	6.888	65	30328	44.90	ppm	97
58) 2,3,4,6-Tetrachlorophenol	7.064	232	44848	48.20	ppm	100
59) Fluorene	7.223	166	175050	49.12	ppm	100
60) 4-Chlorophenyl-phenyle...	7.217	204	91408	52.54	ppm	99
61) Diethylphthalate	7.164	149	177222	52.37	ppm	98
62) 2-nitroaniline	6.352	138	49132	51.92	ppm	83
63) 3-nitroaniline	6.717	138	41528	49.29	ppm	99
64) 4-nitroaniline	7.282	138	42504	50.95	ppm	94
68) 4,6-Dinitro-2-methylph...	7.317	198	32114	46.42	ppm	100
69) n-Nitrosodiphenylamine	7.335	169	126064	51.90	ppm	98
70) 1,2-Diphenylhydrazine	7.370	77	161122	51.01	ppm	100
72) 4-Bromophenyl-phenylether	7.682	248	51137	50.86	ppm	99
73) Hexachlorobenzene	7.835	284	55261	48.59	ppm	92
74) Pentachlorophenol	8.017	266	31205	42.31	ppm	99
75) Phenanthrene	8.158	178	259747	51.61	ppm	100
76) Anthracene	8.205	178	276089	53.46	ppm	99
77) Carbazole	8.376	167	255673	55.57	ppm	99
78) Di-n-butylphthalate	8.799	149	323677	58.11	ppm	100
79) Fluoranthene	9.440	202	294060	55.37	ppm	99
83) Benzidine	9.593	184	136941	69.62	ppm	99
84) Pyrene	9.687	202	307755	50.13	ppm	98
86) 3,3-Dimethylbenzidine	10.446	212	148847	58.90	ppm	100
87) Butylbenzylphthalate	10.493	149	130420	51.35	ppm	96
88) 3,3'-Dichlorobenzidine	11.076	252	112805	49.77	ppm	98
89) Benzo[a]anthracene	11.081	228	283852	51.11	ppm	98
90) Chrysene	11.129	228	283160	51.27	ppm	99
91) bis(2-Ethylhexyl)phtha...	11.211	149	185460	48.87	ppm	99
93) Di-n-octylphthalate	11.899	149	332128	55.13	ppm	100
94) Benzo[b]fluoranthene	12.293	252	290018	50.36	ppm	98
95) Benzo[k]fluoranthene	12.317	252	285763	50.92	ppm	99
96) Benzo[a]pyrene	12.628	252	271247	53.45	ppm	99
97) Indeno[1,2,3-cd]pyrene	13.834	276	319634	50.45	ppm	97
98) Dibenz[a,h]anthracene	13.840	278	256039	50.05	ppm	97
99) Benzo[g,h,i]perylene	14.140	276	267635	50.87	ppm	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32872.D
Acq On : 21 Aug 2013 8:10 am
Operator : kristinr
Sample : CC1159-50
Misc : OP34233,MSR1199,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 21 08:30:36 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 08/27/13 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32890.D
Acq On : 21 Aug 2013 4:11 pm
Operator : kristinr
Sample : CC1159-80, TCL11
Misc : OP34233,MSR1200,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 26 11:43:35 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

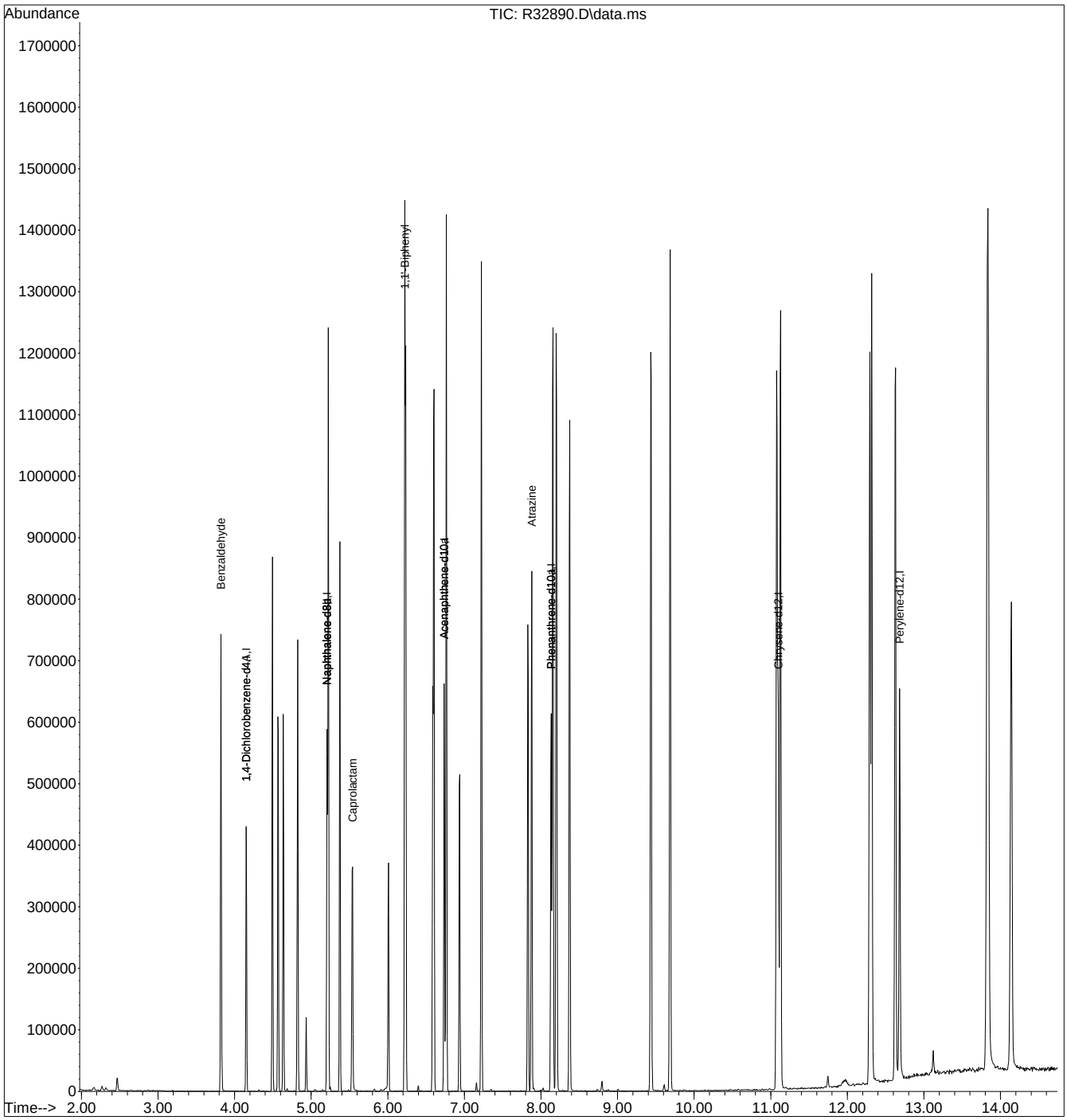
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	55025	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	55025	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	213777	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	213777	40.00	ppm	-0.08
43) Acenaphthene-d10	6.735	164	126416	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.735	164	126416	40.00	ppm	-0.08
67) Phenanthrene-d10	8.134	188	223959	40.00	ppm	-0.09
80) Phenanthrene-d10a	8.134	188	223959	40.00	ppm	-0.09
82) Chrysene-d12	11.099	240	251988	40.00	ppm	-0.10
92) Perylene-d12	12.681	264	230887	40.00	ppm	-0.11
100) Naphthalene-d8b	5.205	136	213777	40.00	ug/mL	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	3.823	77	113843m	83.86	ppm	
42) Caprolactam	5.541	55	65860	77.40	ppm	# 100
66) 1,1'-Biphenyl	6.223	154	357292	77.36	ppm	# 100
81) Atrazine	7.882	200	95363	87.05	ppm	# 100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32890.D
Acq On : 21 Aug 2013 4:11 pm
Operator : kristinr
Sample : CC1159-80, TCL11
Misc : OP34233,MSR1200,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 26 11:43:35 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Kristin Renault
08/27/13 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32891.D
Acq On : 21 Aug 2013 4:30 pm
Operator : kristinr
Sample : CC1159-50
Misc : OP34233,MSR1200,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 27 09:57:27 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	56573	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	56573	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	209550	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	209550	40.00	ppm	-0.08
43) Acenaphthene-d10	6.735	164	122458	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.735	164	122458	40.00	ppm	-0.08
67) Phenanthrene-d10	8.129	188	215420	40.00	ppm	-0.10
80) Phenanthrene-d10a	8.129	188	215420	40.00	ppm	-0.10
82) Chrysene-d12	11.093	240	249968	40.00	ppm	-0.11
92) Perylene-d12	12.681	264	230622	40.00	ppm	-0.11
100) Naphthalene-d8b	5.205	136	209550	40.00	ug/mL	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.229	112	82018	47.82	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 47.82%			
7) Phenol-d5	3.905	99	97697	44.99	ppm	-0.06
Spiked Amount 100.000	Range 30 - 130		Recovery = 44.99%			
24) Nitrobenzene-d5	4.623	82	91104	45.50	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 91.00%			
48) 2-Fluorobiphenyl	6.146	172	205404	50.42	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 100.84%			
71) 2,4,6-Tribromophenol	7.470	330	30900	47.87	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 47.87%			
85) Terphenyl-d14	9.881	244	250237	46.76	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 93.52%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.294	74	52596	47.29	ug/l #	64
3) Pyridine	2.305	79	94528	46.74	ppm	78
4) Aniline	3.929	93	136118	52.83	ppm #	1
6) bis(2-Chloroethyl)ether	3.964	63	61280	50.09	ppm	80
8) Phenol	3.917	94	115872	53.63	ppm	93
9) 2-Chlorophenol	4.023	128	91972	50.51	ppm	98
10) 1,3-Dichlorobenzene	4.129	146	101255	49.17	ppm	97
11) 1,4-Dichlorobenzene	4.164	146	104477	48.77	ppm	93
12) 1,2-Dichlorobenzene	4.317	146	98773	51.48	ppm	97
13) Benzyl alcohol	4.276	108	46303	39.56	ppm	96
14) bis(2-chloroisopropyl)...	4.394	45	112872	54.03	ppm	87
15) o-cresol	4.382	108	81840	52.26	ppm	89
16) Acetophenone	4.494	105	118163	45.71	ppm	85
17) Hexachloroethane	4.564	117	38343	47.99	ppm	98
18) N-Nitroso-di-n-propyla...	4.505	70	54601	44.95	ppm	76
19) m+p-cresols	4.499	108	167827	97.83	ppm	98
20) 4-methylphenol	4.499	108	167827	97.84	ppm	98
25) Nitrobenzene	4.635	77	88190	43.62	ppm	92
26) Isophorone	4.823	82	157157	46.68	ppm	98
27) 2-Nitrophenol	4.905	139	49862	51.78	ppm	96
28) 2,4-Dimethylphenol	4.935	107	88600	49.64	ppm	95
29) bis(2-Chloroethoxy)met...	5.005	93	95593	47.08	ppm	99
30) Benzoic acid	5.017	105	57056	43.35	ppm	91
31) 2,4-Dichlorophenol	5.105	162	80862	51.42	ppm	99
32) 1,2,4-Trichlorobenzene	5.170	180	86292	49.31	ppm	100
33) Naphthalene	5.223	128	257436	47.09	ppm	98
34) 2,6-Dichlorophenol	5.293	162	79104	50.77	ppm	98
35) 4-Chloroaniline	5.288	127	110956	48.89	ppm	100
36) Hexachlorobutadiene	5.376	225	51042	46.76	ppm	93
37) 4-Chloro-3-methylphenol	5.705	107	76979	50.73	ppm	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32891.D
Acq On : 21 Aug 2013 4:30 pm
Operator : kristinr
Sample : CC1159-50
Misc : OP34233,MSR1200,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 27 09:57:27 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

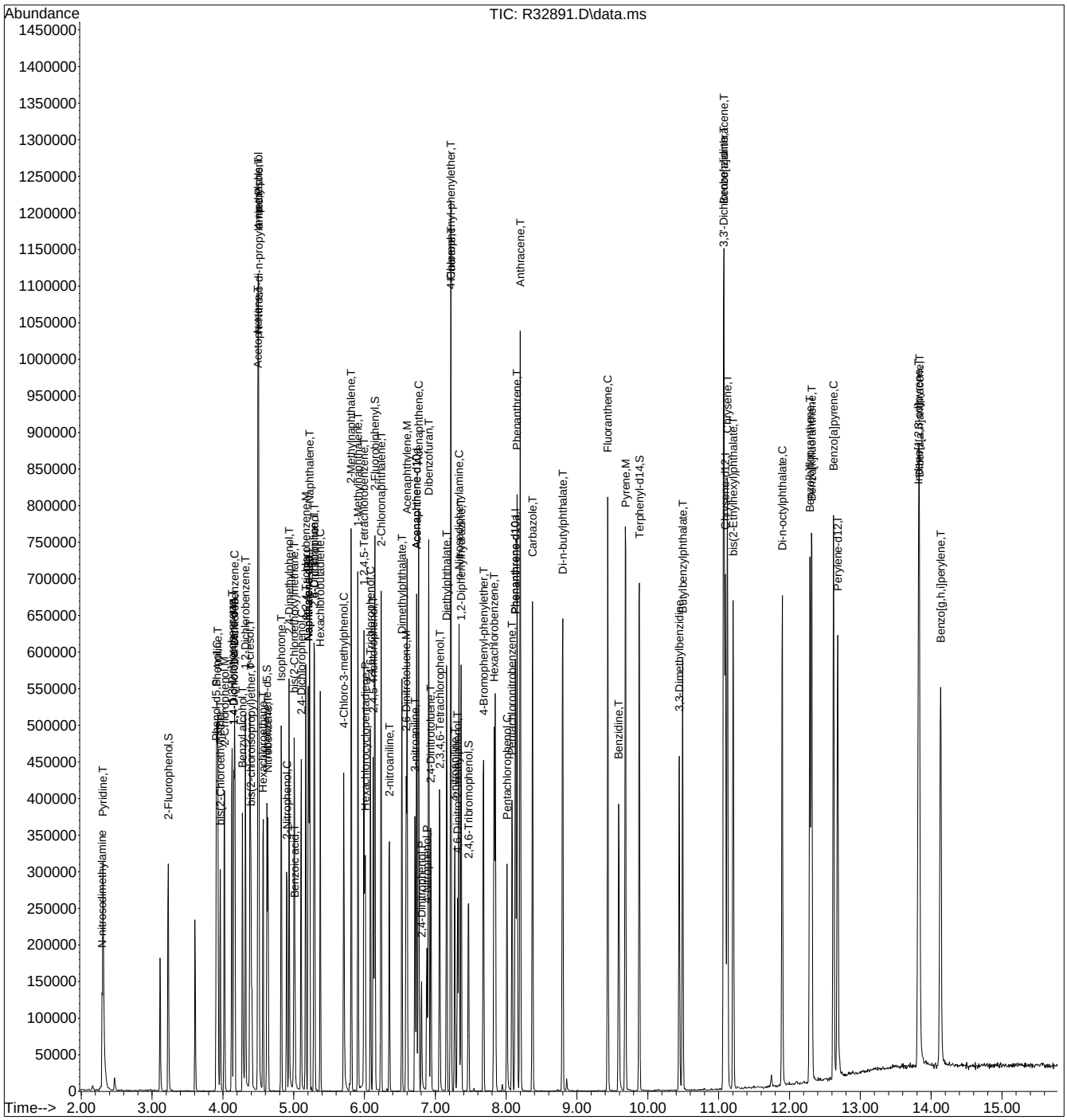
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	5.811	142	176594	46.04	ppm	95
39) 1-Methylnaphthalene	5.905	142	164391	44.12	ppm	97
40) 1,2,4,5-Tetrachloroben...	5.993	216	95512	47.09	ppm	99
44) Pentachloronitrobenzene	8.082	237	26156m	50.29	ppm	
45) Hexachlorocyclopentadiene	6.011	237	45074	37.59	ppm	91
46) 2,4,6-Trichlorophenol	6.082	196	62128	54.68	ppm	96
47) 2,4,5-Trichlorophenol	6.123	196	61850	51.65	ppm	100
49) 2-Chloronaphthalene	6.235	162	168618	51.59	ppm	99
50) Acenaphthylene	6.599	152	270522	50.86	ppm	99
51) Dimethylphthalate	6.529	163	192474	51.51	ppm	100
52) 2,4-Dinitrotoluene	6.935	165	59483	52.86	ppm	91
53) Acenaphthene	6.764	153	178340	51.82	ppm	96
54) 2,4-Dinitrophenol	6.805	184	20992	35.92	ppm	99
55) Dibenzofuran	6.905	168	262475	53.86	ppm	99
56) 2,6-Dinitrotoluene	6.588	165	44771	52.54	ppm	95
57) 4-Nitrophenol	6.882	65	34115	45.92	ppm	96
58) 2,3,4,6-Tetrachlorophenol	7.064	232	52304	51.11	ppm	93
59) Fluorene	7.223	166	198777	50.72	ppm	98
60) 4-Chlorophenyl-phenyle...	7.217	204	106004	55.40	ppm	99
61) Diethylphthalate	7.158	149	197770	53.14	ppm	95
62) 2-nitroaniline	6.352	138	56765	54.55	ppm	91
63) 3-nitroaniline	6.711	138	48907	52.78	ppm	85
64) 4-nitroaniline	7.276	138	48875	53.28	ppm	96
68) 4,6-Dinitro-2-methylph...	7.311	198	36589	45.79	ppm	100
69) n-Nitrosodiphenylamine	7.335	169	144002	51.27	ppm	98
70) 1,2-Diphenylhydrazine	7.364	77	179846	49.24	ppm	96
72) 4-Bromophenyl-phenylether	7.682	248	59841	51.47	ppm	96
73) Hexachlorobenzene	7.829	284	64216	48.83	ppm	98
74) Pentachlorophenol	8.011	266	38300	44.91	ppm	96
75) Phenanthrene	8.152	178	310508	53.36	ppm	98
76) Anthracene	8.199	178	312849	52.39	ppm	98
77) Carbazole	8.370	167	286515	53.85	ppm	99
78) Di-n-butylphthalate	8.799	149	353579	54.89	ppm	99
79) Fluoranthene	9.434	202	335806	54.68	ppm	99
83) Benzidine	9.587	184	167052	72.98	ppm	99
84) Pyrene	9.687	202	356625	49.92	ppm	97
86) 3,3-Dimethylbenzidine	10.446	212	182284	61.98	ppm	100
87) Butylbenzylphthalate	10.493	149	152438	51.58	ppm	98
88) 3,3'-Dichlorobenzidine	11.070	252	129767	49.22	ppm	98
89) Benzo[a]anthracene	11.075	228	320172	49.55	ppm	99
90) Chrysene	11.123	228	323510	50.34	ppm	99
91) bis(2-Ethylhexyl)phtha...	11.205	149	210665	47.75	ppm	99
93) Di-n-octylphthalate	11.899	149	372716	54.02	ppm	99
94) Benzo[b]fluoranthene	12.287	252	322541	48.80	ppm	99
95) Benzo[k]fluoranthene	12.317	252	334715	51.97	ppm	97
96) Benzo[a]pyrene	12.622	252	315696	54.20	ppm	96
97) Indeno[1,2,3-cd]pyrene	13.822	276	363275	49.96	ppm	91
98) Dibenz[a,h]anthracene	13.834	278	302243m	51.48	ppm	
99) Benzo[g,h,i]perylene	14.134	276	308146	51.03	ppm	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32891.D
Acq On : 21 Aug 2013 4:30 pm
Operator : kristinr
Sample : CC1159-50
Misc : OP34233,MSR1200,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 27 09:57:27 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 06/28/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 µg/mL
MSS1625	AB8270 Cal. Std.	2:160
MSS1560	↓	5:160
MSS1594H	AB8270 Int. Std.	4000

Column Information: Front RTX ZB-5MS; 7/9/13 MR

Rear N/A

Sequence File: ~~RT~~ R130628.s 7/9/13 MR

Quantitation Methods: DFTPP.M

R130628_8270+.M

Instrument Run Batches: MSR1159

Inj. Vol:

Data Acquisition Methods: R8270FAST.M Inj. Vol: 1

ICAL verified:

Sequence verified: 6/28/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98 X	R31828	BLK	N/A		N/A	N/A	N/A	*R31826-R31827
99 X	29	DFTPP	↓		↓	↓	↓	are blanks
100 X	30	ICC1159-50						
1 X	31	IC1159-2	MSS1625					
2 X	32	5						
3 X	33	10						
4 X	34	20						
5 X	35	80						
6 X	36	120						
7 X	37	160	↓					
98 X	38	BLK	N/A					
8 X	39	IC1159-5	MSS1560					
9 X	R31840	10						
10 X	41	20						
11 X	42	50						
12 X	43	80						
13 X	44	120						
14 X	45	160	↓		↓	↓	↓	

6/28/13 MR

MS002-04

Date: 8/29/06

Dilution Solvent: N/A Lot: N/A **Review:**

ACCUTEST LABORATORIES MC23593

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 07/01/2013 **Analyst Signature:** KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 ng/mL
MSS1625	AB8270 Cal. Std.	50
MSS1560	↓	50
MSS159411	AB8270 Int. Std.	4000

Column Information: Front ZB-5MSi
Rear N/A
Sequence File: R130701.S
Quantitation Methods: R130628_B270+.M
DFTPP.M
Instrument Run Batches: MSR11600 MSR11601
Inj. Vol:
Data Acquisition Methods: R8270FAST.M Inj. Vol: 1

ICAL verified: Sequence verified: 7/2/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98 X	R131846	BLK	N/A		N/A	N/A	N/A	
99 X	47	DFTPP	↓		↓	↓	↓	
100 X	48	CC1159-50						
100 X	49	ICV1159-50	↓		leached fluid			
1 X	50	MC21245-4R	OP33792		↓			
2 X	51	↓ -7R	↓					
3 X	52	↓ -8R						
4 X	53	OP33792-BSD						
5 X	54	MC22172-1						2 acid surr <10% ✓
6 X	55	↓ -2						↳ Re-extract
7 X	56	↓ -3						
8 X	57	MC22237-1						
9 X	58	MC22240-1			↓			
10 X	59	OP33818-MB	OP33818		SOIL			
11 X	R131860	↓ BS	↓		↓			
12 X	61	MC22229-5	↓					
13 X	62	↓ -6						
100 X	63	AP 9 TEST	N/A		N/A			
14 X	64	MC22229-20	OP33818		SOIL			
15 X	65	MC22279-6	↓		↓			
99	66	DFTPP	N/A		N/A			
100	67	CC1155-50	↓		↓			AP-9
100	68	CC1159-50						Toluic
100	69	CC1159-50	↓		↓			
1 X	R131870	MC21245-4R	OP33792		leached fluid			
2 X	71	↓ -7R	↓		↓			
3 X	72	↓ -8R	↓		↓			
4 X	73	OP33792-BSD	OP33792		↓			
5	74	MC22172-1	↓		↓			
6	75	↓ -2	↓		↓			
7	76	↓ -3	↓		↓			7/1/13
8	77	MC22237-1	↓		↓			MR

MS002-04
Date: 8/29/06 Dilution Solvent: N/A Lot: N/A **Review:**

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 07/01/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
	Refer to	
	Page 20	

Column Information: Front

Rear

Sequence File: Refer to

Quantitation Methods: Page 20

Instrument Run Batches:

Data Acquisition Methods: Inj. Vol:

Inj. Vol:

ICAL verified:

Sequence verified: 7/2/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
9	RX31878	MC22240-1	OP33792		leachate	N/A	N/A	
10	1st Wash & 79	OP33818-MB	OP33818		SOIL			
11	RX31880	BS						
12	81	MC2229-5						
13	82	-6						
14	83	-20						
15	84	MC22279-6						
16	85	OP33825-MB	OP33825		SOIL			
17	86	JB40714-5	OP33773					
18	87	-7						
19	88	-8						
20	1st Wash 89	-9						
21	RX31890	-10						
22	91	-11						
23	92	-12						
24	93	JB40712-6A						
25	94	-7A						
26	95	-8A						
98	96	BLK	N/A		N/A			
98	97							
98	98							
98	99							

7/1/13 MR

MS002-04

Date: 8/29/06

Dilution Solvent: N/A Lot: N/A

Review:

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 08/21/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 µg/mL
MSS1L625	AB8270 Cal. Std.	50
MSS1593	Cal. Std.	80
MSS1594IS	Int. Std.	4000

Column Information: Front ZB-5MSi

Rear N/A

Sequence File: R130821.S

Quantitation Methods: DFTPP.M

R130628-8270+.M

Instrument Run Batches: MSR1199 MSR1200

Inj. Vol:

Data Acquisition Methods: R8270FAST.M Inj. Vol: 1µL

ICAL verified:

Sequence verified: 8/22/13 KR

Vial #	Data File ID	Sample ID	Ext. Batch	Analysis	Matrix	Dilution	Mult.	Comments
98	R328609	Blank	N/A		N/A	N/A	N/A	
99	R32870	DFTPP						
100	1	CC1159-80						TCL II
100	2	CC1159-50						
1	3	OP34472-MB	OP34472		SOIL			
2	4	-BS						
3	5	-BSD						
4	6	OP34429-MB	OP34429		AQ			
5	7	-BS						
6	8	-MS						
7	9	-MSD						
8	R32880	MC23500-5						
9	1	MC23516-1						
10	2	-2						
11	3	-3						
12	4	-4						
13	5	-5						
14	6	-6						
15	7	-7						
16	8	-8						
99	9	DFTPP	N/A		N/A			
100	R32890	CC1159-80						TCL II
100	1	CC1159-50						
17	2	OP34450-MB	OP34450		AQ			
18	3	-BS						
19	4	-MS						
20	5	-MSD						
21	6	-TAP						TAP#MC23500-8
22	7	MC23525-1	OP34429					2 low acid surr, 1 10% ✓
23	8	-2						↳ Re-extract
24	9	OP34472-MS	OP34472		SOIL			
25	R32900	-MSD						

MS002-04

Date: 8/29/06

Dilution Solvent: BtJ DCM Lot: D1802 **Review:**

ACCUTEST LABORATORIES MC23593

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 08/21/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
	Refer To Page 12	

Column Information: Front

Rear

Sequence File:

Quantitation Methods:

Instrument Run Batches: Refer To Page 12

Inj. Vol:

Data Acquisition Methods:

Inj. Vol:

ICAL verified:

Sequence verified: 8/22/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
26 X	R32901	MC23630-1	OP34472		SOIL	N/A	N/A	
27 X	2	MC23593-1				5X		
28 X	3	-2				N/A		
29 X	4	MC23533-1	OP34450		AQ			
30 X	5	-2						
31 X	6	-3						
32 X	7	-4						
33 X	8	-5						
34 X	9	-6						Needs CFS, 990mL ✓
35 X	R32910	MC23534-1						RR@5X ✓
36 X	1	-2						RR@10X ✓
37 X	2	MC23577-1						RR@50X ✓
38 X	3	-2						RR@50X ✓
39 X	4	MC23585-1						RR@50X ✓
40 X	5	-2						Needs CFS, 950mL ✓
41 X	6	-3						RR@5X ✓
42 X	7	-4						RR@50X ✓
43 X	8	-5						Phenol-d5 = 9% ✓
								↳ Re-extract
								8/21/13 KR

MS002-04

Date: 8/29/06 Dilution Solvent: B+J DCM Lot: Di802 **Review:**

ACCUTEST LABORATORIES MC23593

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 08/21/2013 **Analyst Signature:** KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 µg/mL
MSS1625	AB8270 Cal. Std.	50
MSS1593	Cal. Std.	80
MSS1594K	Int. Std.	4000

Column Information: Front ZB-5MSi
Rear N/A
Sequence File: R130821.S
Quantitation Methods: DFTPP.M
R130628-8270+.M
Instrument Run Batches: MSR1199 MSR1200
Inj. Vol:
Data Acquisition Methods: R8270SAST.M Inj. Vol: 1µL

ICAL verified: Sequence verified: 8/22/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98	R328669	Blank	N/A		N/A	N/A	N/A	
99	R32870	DFTPP						
100	1	CC1159-80						TCL II
100	2	CC1159-50						
1	3	OP34472-MB	OP34472		SOIL			
2	4	-BS						
3	5	-BSD						
4	6	OP34429-MB	OP34429		AQ			
5	7	-BS						
6	8	-MS						
7	9	-MSD						
8	R32880	MC23500-5						
9	1	MC23516-1						
10	2	-2						
11	3	-3						
12	4	-4						
13	5	-5						
14	6	-6						
15	7	-7						
16	8	-8						
99	9	DFTPP	N/A		N/A			
100	R32890	CC1159-80						TCL II
100	1	CC1159-50						
17	2	OP34450-MB	OP34450		AQ			
18	3	-BS						
19	4	-MS						
20	5	-MSD						
21	6	-TAP						TAP#MC23500-8
22	7	MC23525-1	OP34429					2 low acid surr, 1<10% ✓
23	8	-2						↳ Re-extract.
24	9	OP34472-MS	OP34472		SOIL			
25	R32900	-MSD						

MS002-04
Date: 8/29/06 Dilution Solvent: BtT DCM Lot: D1802 **Review:**

12

9.7.4

9

ACCUTEST LABORATORIES MC23593

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 08/21/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
	Refer To Page 12	

Column Information: Front

Rear

Sequence File:

Quantitation Methods:

Instrument Run Batches: Refer To Page 12

Inj. Vol:

Data Acquisition Methods:

Inj. Vol:

ICAL verified:

Sequence verified: 8/22/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
26 X	R32901	MC23630-1	OP34472		SOIL	N/A	N/A	
27 X	2	MC23593-1				5X		
28 X	3	-2				N/A		
29 X	4	MC23533-1	OP34450		AQ			
30 X	5	-2						
31 X	6	-3						
32 X	7	-4						
33 X	8	-5						
34 X	9	-6						Needs CFS, 990mL ✓
35 X	R32910	MC23534-1						RRC 5X ✓
36 X	1	-2						RRC 10X ✓
37 X	2	MC23577-1						RRC 50X ✓
38 X	3	-2						RRC 50X ✓
39 X	4	MC23585-1						RRC 50X ✓
40 X	5	-2						Needs CFS, 950mL ✓
41 X	6	-3						RRC 5X ✓
42 X	7	-4						RRC 50X ✓
43 X	8	-5						Phenol-d5 = 9% ✓
								↳ Re-extract
								8/21/13 KR

MS002-04

Date: 8/29/06 Dilution Solvent: B+J DCM Lot: D1802 **Review:**

ACCUTEST LABORATORIES MC23593

ACCUTEST LABORATORIES

Approximate Gram weight equals +/- 0.5g

Extracted by: JA MT
Spike Witness: MT
Concentrated by: mat 8/20/13
Fractionated by:
Extraction Method: ASE #1 ASE #2 ASE #3 ASE # 4 Sonicate
Soxhlet: SW 3540C SW 3545A SW 3545A SW3545A SW3545A SW3550B

Date/Time: 8/19/2013 13:30
Date/Time:
Batch: OP 34472
Matrix: **Soil/Solid**; Sand Lot:
Analysis Method: A8270MCP / A8270TCL42+
Waste Dilution: SW3580 ~~Micro~~ ~~SW 3546~~

8/21 MSR JA

	Sample	Bottle No.	ASE Position	Initial Weight (g)	Final Volume (ml)	**Cleanup/Comments (3660B, 3630, 3665, other)	Received by: Date:
1	OP 34472 MB	N/A	N/A	20.64	1 ml		
2	↳ BS	↓		20.10			
3	↳ BSD	↓		20.97			
4	MC23630-1 MS	1		20.36			
5	↳ -1 MSD	↓		20.18			
6	MC23630-1	↓		20.12			
7	MC23543-1	2		20.70			
8	↳ -2	21		20.80		Clay	
9	MC23582-1	1		20.78		Very thick, tar like on glassware	
10	↳ -2	↓		20.62		↓	
11	-3			20.21		↓	
12	-4			20.80			WK
13	-5	↓	↓	20.35	↓	↓	↓ 8.20.13
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							mat 8/20/13

Fraction	Bottle #	Lot #	Concentration	Volume
Surrogate: ABN	5	PD6938	500 ug/ml	100 ul
Surrogate:				
Spike: BN	1	PD6940	500 ug/ml	100 ul
Spike: Acid	N/A	PD6939	500 ug/ml	100 ul
Spike: Custom	4	PD6816	2500 ug/ml	25 ul
Spike:				
Spike:				
Hexane Frac. Volume:	NA	NA	NA	
Soxhlet Start/Stop Date/Time:		Filter Paper Lot #	5823	

H2SO4 Lot #	
Ether:	
MeCl2:	DJ802
Hexane:	
MeCl2/Acetone:	
Acetone:	132412
Acetonitrile:	
Na Sulfate Lot #:	B-777
Silica Lot #:	
SPE MFG/Lot #:	
Copper:	
Hydromatrix:	
Florisil:	
Sand Lot #:	

Balance ID: ACC-9
Water Bath Temp: 40°C
Water Bath ID: 22
Laboratory Percent Humidity: 65.4%

*Note volume of extract: N = Normal
L = Low

Reviewed by:

Tray #: V14

** Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup; 3620 = Florisil
**For Soxhlet extraction document date/time started and finished

New England ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082013S1.PRN Date Analyzed: 08/20/13 Methods: SW846 7471B
Analyst: EM Run ID: MA16001
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:59	MA16001-STD1	1		STD01REP1
11:02	MA16001-STD2	1		STD02REP1
11:04	MA16001-STD3	1		STD03REP1
11:06	MA16001-STD4	1		STD04REP1
11:09	MA16001-STD5	1		STD05REP1
11:11	MA16001-STD6	1		STD06REP1
11:14	MA16001-STD7	1		STD07REP1
11:16	MA16001-STD8	1		STD08REP1
11:19	MA16001-STD9	1		STD09REP1
11:23	MA16001-ICV1	1		
11:25	MA16001-ICB1	1		
11:28	MA16001-CCV1	1		
11:30	MA16001-CCB1	1		
11:33	MA16001-CRI1	1		
11:36	MP21523-MB1	1		
11:38	MP21523-B1	1		
11:41	MP21523-B2	1		
11:43	MP21523-S1	1		
11:45	MP21523-S2	1		
11:48	MC23518-1	1		(sample used for QC only; not part of login MC23593)
11:51	MP21523-LC1	10		
11:54	ZZZZZZ	1		
11:56	ZZZZZZ	1		
11:59	MA16001-CCV2	1		
12:02	MA16001-CCB2	1		
12:04	ZZZZZZ	1		
12:07	ZZZZZZ	1		
12:09	ZZZZZZ	1		
12:12	MC23593-1	1		
12:15	MC23593-2	1		
---------->	Last reportable sample/prep for job MC23593			
12:17	ZZZZZZ	1		
12:19	ZZZZZZ	1		
12:22	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082013S1.PRN Date Analyzed: 08/20/13 Methods: SW846 7471B
Analyst: EM Run ID: MA16001
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:24	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:30	MA16001-CCV3	1		
12:33	MA16001-CCB3	1		
12:35	ZZZZZZ	1		
12:37	MA16001-CRI2	1		
12:40	MA16001-CCV4	1		
12:42	MA16001-CCB4	1		

----------> Last reportable CCB for job MC23593
Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082013S1.PRN Date Analyzed: 08/20/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA16001 Units: ug/l

Time:			11:25		11:30		12:02		12:33	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.052	-0.064	<0.20	-0.037	<0.20	-0.022	<0.20	-0.031	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082013S1.PRN Date Analyzed: 08/20/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA16001 Units: ug/l

Time:			12:42	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Mercury	0.20	.052	-0.065	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082013S1.PRN Date Analyzed: 08/20/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA16001 Units: ug/l

Time:		11:23			11:28			11:59	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	4	3.9	97.5	3	3.1	103.3	3	3.1	103.3

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082013S1.PRN Date Analyzed: 08/20/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA16001 Units: ug/l

Time:		12:30			12:40	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.1	103.3	3	2.9	96.7

(*) Outside of QC limits
(anr) Analyte not requested

10.1.2 10

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082013S1.PRN Date Analyzed: 08/20/13 Methods: SW846 7471B
QC Limits: 80 to 120 % Recovery Run ID: MA16001 Units: ug/l

Time:			11:33		12:37	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.17	85.0	0.18	90.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16005
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:43	MA16005-STD1	1		STD1
13:48	MA16005-STD2	1		STD2
13:52	MA16005-STD3	1		STD3
13:56	MA16005-STD4	1		STD4
14:01	MA16005-ICV1	1		
14:07	MA16005-ICB1	1		
14:11	MA16005-CCV1	1		
14:15	MA16005-CCB1	1		
14:20	MA16005-CRIA1	1		
14:24	MA16005-ICSA1	1		
14:29	MA16005-ICSAB1	1		
14:33	MP21521-B1	1		
14:37	MP21521-MB1	1		
14:42	MP21521-S1	1		
14:46	MP21521-S2	1		
14:50	MC23518-1	1		(sample used for QC only; not part of login MC23593)
14:54	MP21521-SD1	5		
14:58	MP21521-B2	1		
15:03	MA16005-CCV2	1		
15:18	MA16005-CCB2	1		
15:24	MP21521-LC1	1		
15:29	ZZZZZZ	1		
15:33	ZZZZZZ	1		
15:37	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:46	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:55	MC23593-1	1		
15:59	MC23593-2	1		
16:03	ZZZZZZ	1		
16:08	MA16005-CCV3	1		
16:12	MA16005-CCB3	1		
16:25	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16005
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	16:30	ZZZZZZ	1		
	16:34	ZZZZZZ	1		
	16:38	ZZZZZZ	1		
	16:42	ZZZZZZ	1		
	16:48	MP21521-PS1	1		
---------->	Last reportable sample/prep for job MC23593				
	16:53	ZZZZZZ	1		RINSECONF.
	16:57	MA16005-CRIA2	1		
	17:01	MA16005-CRI1	1		
	17:06	MP21518-B1	1		
	17:10	MA16005-CCV4	1		
	17:14	MA16005-CCB4	1		
	17:18	MP21518-MB1	1		
	17:23	MP21518-S1	1		
	17:27	MP21518-S2	1		
	17:31	MC23587-3	1		(sample used for QC only; not part of login MC23593)
	17:36	MP21518-SD1	5		
	17:40	MP21518-B2	1		
	17:44	MP21518-MB2	1		
	17:49	MP21518-MB3	1		
	17:53	ZZZZZZ	1		
	17:58	ZZZZZZ	1		
	18:02	MA16005-CCV5	1		CR, MN, AG & V: HIGH RSD.
	18:06	MA16005-CCB5	1		
	18:11	ZZZZZZ	1		
	18:15	ZZZZZZ	1		
	18:20	ZZZZZZ	1		
	18:24	ZZZZZZ	1		
	18:29	ZZZZZZ	1		
	18:33	ZZZZZZ	1		
	18:37	ZZZZZZ	1		
	18:42	ZZZZZZ	1		
	18:46	ZZZZZZ	1		
	18:50	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16005
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:55	MA16005-CCV6	1		
18:59	MA16005-CCB6	1		
19:03	ZZZZZZ	1		
19:08	ZZZZZZ	1		
19:12	ZZZZZZ	1		
19:16	ZZZZZZ	1		
19:21	ZZZZZZ	1		
19:25	ZZZZZZ	1		
19:29	ZZZZZZ	1		
19:34	MA16005-CRI2	1		
19:38	MA16005-ICSA2	1		
19:42	MA16005-ICSAB2	1		
19:47	MA16005-CCV7	1		
19:51	MA16005-CCB7	1		

----------> Last reportable CCB for job MC23593
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16005
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
13:43	MA16005-STD1	1721 R	42814 R	16191 R
13:48	MA16005-STD2	1689	42422	16069
13:52	MA16005-STD3			16004
13:56	MA16005-STD4	1727	42616	16218
14:01	MA16005-ICV1	1701	42225	16250
14:07	MA16005-ICB1	1707	43024	16022
14:11	MA16005-CCV1	1673	41614	16049
14:15	MA16005-CCB1	1711	42705	16137
14:20	MA16005-CRIA1	1696	42211	16254
14:24	MA16005-ICSA1	1528	38952	15571
14:29	MA16005-ICSAB1	1552	39620	15906
14:33	MP21521-B1	1674	42318	16104
14:37	MP21521-MB1	1695	42590	16024
14:42	MP21521-S1	1765	44452	17290
14:46	MP21521-S2	1742	43790	17060
14:50	MC23518-1	1765	44149	17046
14:54	MP21521-SD1	1705	42277	16300
14:58	MP21521-B2	1661	41728	16048
15:03	MA16005-CCV2	1683	41830	15964
15:18	MA16005-CCB2	1710	43083	16318
15:24	MP21521-LC1	1792	45073	17736
15:29	ZZZZZZ	1762	43954	17127
15:33	ZZZZZZ	1792	45481	17518
15:37	ZZZZZZ	1772	44695	17357
15:41	ZZZZZZ	1760	44228	17291
15:46	ZZZZZZ	1770	45240	17375
15:50	ZZZZZZ	1931	50275	19726
15:55	MC23593-1	1693	43645	17134
15:59	MC23593-2	1819	46188	18045
16:03	ZZZZZZ	1744	44542	17373
16:08	MA16005-CCV3	1673	41877	16198
16:12	MA16005-CCB3	1678	42094	15982
16:25	ZZZZZZ	1788	44280	17455

INTERNAL STANDARD SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16005
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
16:30	ZZZZZZ	1776	44692	17413
16:34	ZZZZZZ	1792	45250	17493
16:38	ZZZZZZ	1741	43476	17152
16:42	ZZZZZZ	1761	44805	17444
16:48	MP21521-PS1	1770	44799	17243
16:53	ZZZZZZ	1710	42783	16107
16:57	MA16005-CRIA2	1710	43279	16433
17:01	MA16005-CRI1	1694	42572	16203
17:06	MP21518-B1	1680	42276	16186
17:10	MA16005-CCV4	1687	42467	16159
17:14	MA16005-CCB4	1707	43176	16246
17:18	MP21518-MB1	1701	42752	16330
17:23	MP21518-S1	1714	43238	16920
17:27	MP21518-S2	1698	42832	16712
17:31	MC23587-3	1735	43231	17055
17:36	MP21518-SD1	1712	42803	15915
17:40	MP21518-B2	1671	41780	16196
17:44	MP21518-MB2	1693	42613	16255
17:49	MP21518-MB3	1700	42612	16029
17:53	ZZZZZZ	1661	43004	16128
17:58	ZZZZZZ	1667	42779	16289
18:02	MA16005-CCV5	1676	42925	16010
18:06	MA16005-CCB5	1698	42793	15687
18:11	ZZZZZZ	1644	42552	15986
18:15	ZZZZZZ	1657	42487	16230
18:20	ZZZZZZ	1654	42285	16262
18:24	ZZZZZZ	1662	42687	16218
18:29	ZZZZZZ	1696	42837	16974
18:33	ZZZZZZ	1712	43122	16406
18:37	ZZZZZZ	1716	43068	16505
18:42	ZZZZZZ	1709	42874	16425
18:46	ZZZZZZ	1708	43049	16406
18:50	ZZZZZZ	1699	43340	16394

INTERNAL STANDARD SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16005
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
18:55	MA16005-CCV6	1713	42693	16474
18:59	MA16005-CCB6	1735	43773	16278
19:03	ZZZZZZ	1700	43160	16382
19:08	ZZZZZZ	1730	43368	16771
19:12	ZZZZZZ	1730	43619	16595
19:16	ZZZZZZ	1729	43676	16652
19:21	ZZZZZZ	1716	42861	16245
19:25	ZZZZZZ	1717	44207	16397
19:29	ZZZZZZ	1684	42960	16309
19:34	MA16005-CRI2	1712	42732	16217
19:38	MA16005-ICSA2	1548	39895	15988
19:42	MA16005-ICSAB2	1559	39749	15783
19:47	MA16005-CCV7	1695	42399	16446
19:51	MA16005-CCB7	1717	41897	16383

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16005 Units: ug/l

Time: / Sample ID:			14:07 ICB1		14:15 CCB1		15:18 CCB2		16:12 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12								
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.7	2.1	<4.0	1.5	<4.0	0.10	<4.0	0.60	<4.0
Barium	50	.32	0.10	<50	0.20	<50	0.30	<50	0.30	<50
Beryllium	4.0	.1	anr							
Boron	100	1.1								
Cadmium	4.0	.25	0.0	<4.0	0.20	<4.0	0.20	<4.0	0.20	<4.0
Calcium	5000	21								
Chromium	10	.48	0.10	<10	-0.20	<10	-0.40	<10	0.20	<10
Cobalt	50	.29								
Copper	25	.93								
Gold	50	1.5								
Iron	100	3.5	anr							
Lead	5.0	1.2	0.20	<5.0	1.2	<5.0	1.5	<5.0	0.40	<5.0
Magnesium	5000	30								
Manganese	15	.16	anr							
Molybdenum	100	.31								
Nickel	40	.45	anr							
Palladium	50	2.2								
Platinum	50	6.4								
Potassium	5000	54								
Selenium	10	1.7	0.20	<10	1.8	<10	-0.70	<10	-0.20	<10
Silicon	100	2								
Silver	5.0	.81	0.60	<5.0	0.20	<5.0	0.90	<5.0	0.70	<5.0
Sodium	5000	16								
Strontium	10	.12								
Thallium	5.0	1.2	anr							
Tin	100	.87								
Titanium	50	.66								
Tungsten	100	9.3								
Vanadium	10	.82	anr							
Zinc	20	.45	anr							
Zirconium	50	.45								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16005 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16005 Units: ug/l

Time: / Sample ID:			17:14 CCB4		18:06 CCB5		18:59 CCB6		19:51 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12								
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.7	-0.50	<4.0	-0.10	<4.0	0.90	<4.0	1.5	<4.0
Barium	50	.32	0.50	<50	0.30	<50	0.20	<50	0.40	<50
Beryllium	4.0	.1	anr							
Boron	100	1.1								
Cadmium	4.0	.25	0.10	<4.0	0.50	<4.0	0.20	<4.0	0.30	<4.0
Calcium	5000	21								
Chromium	10	.48	-0.70	<10	0.20	<10	-0.30	<10	-0.20	<10
Cobalt	50	.29								
Copper	25	.93								
Gold	50	1.5								
Iron	100	3.5	anr							
Lead	5.0	1.2	0.60	<5.0	0.10	<5.0	0.70	<5.0	1.1	<5.0
Magnesium	5000	30								
Manganese	15	.16	anr							
Molybdenum	100	.31								
Nickel	40	.45	anr							
Palladium	50	2.2								
Platinum	50	6.4								
Potassium	5000	54								
Selenium	10	1.7	-0.20	<10	-0.30	<10	-0.30	<10	1.2	<10
Silicon	100	2								
Silver	5.0	.81	0.50	<5.0	0.50	<5.0	0.70	<5.0	0.80	<5.0
Sodium	5000	16								
Strontium	10	.12								
Thallium	5.0	1.2	anr							
Tin	100	.87								
Titanium	50	.66								
Tungsten	100	9.3								
Vanadium	10	.82	anr							
Zinc	20	.45	anr							
Zirconium	50	.45								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16005 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16005 Units: ug/l

Time:		14:01			14:11			15:03	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	3000	3070	102.3	2000	2020	101.0	2000	2040	102.0
Barium	3000	3070	102.3	2000	1980	99.0	2000	1990	99.5
Beryllium	anr								
Boron									
Cadmium	3000	3050	101.7	2000	2030	101.5	2000	2060	103.0
Calcium									
Chromium	3000	3110	103.7	2000	2030	101.5	2000	2050	102.5
Cobalt									
Copper									
Gold									
Iron	anr								
Lead	3000	2990	99.7	2000	1990	99.5	2000	2000	100.0
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	3000	3050	101.7	2000	2010	100.5	2000	2030	101.5
Silicon									
Silver	500	518	103.6	250	256	102.4	250	260	104.0
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16005 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16005 Units: ug/l

Time:		16:08			17:10			18:02	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Barium	2000	1980	99.0	2000	1980	99.0	2000	1970	98.5
Beryllium	anr								
Boron									
Cadmium	2000	2060	103.0	2000	2050	102.5	2000	2050	102.5
Calcium									
Chromium	2000	2040	102.0	2000	2020	101.0	2000	1970	98.5
Cobalt									
Copper									
Gold									
Iron	anr								
Lead	2000	2000	100.0	2000	2000	100.0	2000	1990	99.5
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	2000	2030	101.5	2000	2020	101.0	2000	2020	101.0
Silicon									
Silver	250	256	102.4	250	255	102.0	250	250	100.0
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16005 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16005 Units: ug/l

Time:		18:55			19:47	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	2000	2000	100.0	2000	2010	100.5
Barium	2000	1970	98.5	2000	1960	98.0
Beryllium	anr					
Boron						
Cadmium	2000	2000	100.0	2000	2020	101.0
Calcium						
Chromium	2000	2000	100.0	2000	1990	99.5
Cobalt						
Copper						
Gold						
Iron	anr					
Lead	2000	1980	99.0	2000	1980	99.0
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Platinum						
Potassium						
Selenium	2000	2000	100.0	2000	2010	100.5
Silicon						
Silver	250	251	100.4	250	249	99.6
Sodium						
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					
Zirconium						

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16005 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16005 Units: ug/l

Time: / Sample ID: / Metal	CRI True	CRIA True	14:20 CRIA1 Results	% Rec	16:57 CRIA2 Results	% Rec	17:01 CRI1 Results	% Rec	19:34 CRI2 Results	% Rec
Aluminum	200	200								
Antimony	6.0	10	anr							
Arsenic	4.0	10	11.2	112.0	11.7	117.0	3.4	85.0	3.9	97.5
Barium	50	50	51.2	102.4	51.8	103.6	51.2	102.4	51.1	102.2
Beryllium	4.0	4.0	anr							
Boron	100	100								
Cadmium	4.0	4.0	4.6	115.0	4.5	112.5	4.3	107.5	4.3	107.5
Calcium	5000	5000								
Chromium	10	10	9.8	98.0	9.9	99.0	9.8	98.0	10.2	102.0
Cobalt	50	50								
Copper	25	25								
Gold	50	50								
Iron	100	100	anr							
Lead	5.0	10	10.5	105.0	10.9	109.0	6.0	120.0	5.2	104.0
Magnesium	5000	5000								
Manganese	15	15	anr							
Molybdenum	100	100								
Nickel	40	40	anr							
Palladium	50	50								
Platinum	50	50								
Potassium	5000	5000								
Selenium	10	10	9.9	99.0	10.2	102.0	10.6	106.0	10.5	105.0
Silicon	100	100								
Silver	5.0	5.0	5.3	106.0	6.0	120.0	5.8	116.0	5.7	114.0
Sodium	5000	5000								
Strontium	10	10								
Thallium	5.0	10	anr							
Tin	100	100								
Titanium	50	50								
Tungsten	100	100								
Vanadium	10	10	anr							
Zinc	20	20	anr							
Zirconium	50	50								

(*) Outside of QC limits

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16005 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16005 Units: ug/l

Time:			14:24		14:29		19:38		19:42	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	539000	107.8	538000	107.6	541000	108.2	541000	108.2
Antimony		2000	3.1		2160	108.0	0.40		2150	107.5
Arsenic		2000	-0.60		2120	106.0	-0.60		2110	105.5
Barium		500	-0.80		509	101.8	-0.80		506	101.2
Beryllium		500	0.10		472	94.4	0.10		471	94.2
Boron		1000	0.40		1060	106.0	-0.20		1060	106.0
Cadmium		1000	0.50		1080	108.0	0.50		1080	108.0
Calcium	500000	500000	471000	94.2	469000	93.8	466000	93.2	472000	94.4
Chromium		500	0.30		514	102.8	-0.20		507	101.4
Cobalt		500	2.4		520	104.0	2.0		517	103.4
Copper		500	0.10		546	109.2	0.90		541	108.2
Gold		500	-5.2		501	100.2	-2.8		501	100.2
Iron	200000	200000	190000	95.0	191000	95.5	191000	95.5	191000	95.5
Lead		1000	2.7		982	98.2	2.4		976	97.6
Magnesium	500000	500000	505000	101.0	505000	101.0	504000	100.8	504000	100.8
Manganese		500	-0.10		512	102.4	-0.30		508	101.6
Molybdenum		1000	-0.50		1020	102.0	-1.1		1020	102.0
Nickel		1000	0.20		946	94.6	0.50		944	94.4
Palladium		500	-40		514	102.8	-39		513	102.6
Platinum		500	-29		487	97.4	-22		485	97.0
Potassium			-8.4		21.8		77.2		79.6	
Selenium		2000	-0.10		2090	104.5	-0.40		2080	104.0
Silicon		2000	-20		1500	75.0*	-19		1500	75.0*
Silver		1000	-0.30		1090	109.0	-0.70		1090	109.0
Sodium			69.6		78.7		156		145	
Strontium		1000	0.90		995	99.5	1.2		990	99.0
Thallium		2000	1.1		2080	104.0	0.70		2070	103.5
Tin		1000	0.10		1050	105.0	-0.30		1050	105.0
Titanium		500	9.7		541	108.2	9.8		532	106.4
Tungsten		2000	-41		2270	113.5	-41		2220	111.0
Vanadium		500	0.70		538	107.6	0.20		527	105.4
Zinc		1000	-0.50		972	97.2	-0.70		961	96.1
Zirconium		500	1.5		447	89.4	1.3		436	87.2

(*) Outside of QC limits

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16005 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/19/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.2	3.6		
Antimony	1.0	.11	.15		
Arsenic	1.0	.17	.21	-0.030	<1.0
Barium	5.0	.032	.073	0.060	<5.0
Beryllium	0.40	.01	.024		
Boron	10	.11	.11		
Cadmium	0.40	.025	.042	0.020	<0.40
Calcium	500	2.1	6.3		
Chromium	1.0	.048	.095	0.020	<1.0
Cobalt	5.0	.029	.047		
Copper	2.5	.093	.56		
Gold	5.0	.15	.43		
Iron	10	.35	.87		
Lead	1.0	.12	.17	0.050	<1.0
Magnesium	500	3	5.1		
Manganese	1.5	.016	.04		
Molybdenum	10	.031	.07		
Nickel	4.0	.045	.044		
Palladium	5.0	.22	.64		
Platinum	5.0	.64	1.5		
Potassium	500	5.4	8.6		
Selenium	1.0	.17	.35	0.15	<1.0
Silicon	10	.2	3.3		
Silver	0.50	.081	.13	0.030	<0.50
Sodium	500	1.6	3.3		
Strontium	1.0	.012	.03		
Thallium	1.0	.12	.13		
Tin	10	.087	.14		
Titanium	5.0	.066	.14		
Tungsten	10	.93	.94		
Vanadium	1.0	.082	.13		
Zinc	2.0	.045	.16		
Zirconium	5.0	.045	.088		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21521: MC23593-1, MC23593-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/19/13

Metal	MC23518-1 Original	MS	Spikelot MPICP	% Rec	QC Limits
Aluminum					
Antimony	anr				
Arsenic	8.7	54.1	44.9	101.0	75-125
Barium	42.4	209	180	92.7	75-125
Beryllium	anr				
Boron					
Cadmium	0.14	43.5	44.9	96.5	75-125
Calcium					
Chromium	25.7	64.2	44.9	85.7	75-125
Cobalt					
Copper					
Gold					
Iron					
Lead	10.4	93.3	89.9	92.2	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Palladium					
Platinum					
Potassium					
Selenium	0.0	41.8	44.9	93.0	75-125
Silicon					
Silver	0.0	17.1	18	95.1	75-125
Sodium					
Strontium					
Thallium	anr				
Tin					
Titanium					
Tungsten					
Vanadium	anr				
Zinc	anr				
Zirconium					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21521: MC23593-1, MC23593-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/19/13

Metal	MC23518-1 Original	MSD	Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	anr					
Arsenic	8.7	52.7	44.9	97.9	2.6	20
Barium	42.4	210	180	93.2	0.5	20
Beryllium	anr					
Boron						
Cadmium	0.14	44.2	44.9	98.0	1.6	20
Calcium						
Chromium	25.7	64.5	44.9	86.3	0.5	20
Cobalt						
Copper						
Gold						
Iron						
Lead	10.4	93.1	89.9	92.0	0.2	20
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Palladium						
Platinum						
Potassium						
Selenium	0.0	42.9	44.9	95.5	2.6	20
Silicon						
Silver	0.0	17.2	18	95.7	0.6	20
Sodium						
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					
Zirconium						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21521: MC23593-1, MC23593-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:		08/19/13				08/19/13			
Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum									
Antimony	anr								
Arsenic	52.3	50	104.6	80-120	52.5	50	105.0	0.4	20
Barium	198	200	99.0	80-120	195	200	97.5	1.5	20
Beryllium	anr								
Boron									
Cadmium	50.5	50	101.0	80-120	51.4	50	102.8	1.8	20
Calcium									
Chromium	52.3	50	104.6	80-120	52.4	50	104.8	0.2	20
Cobalt									
Copper									
Gold									
Iron									
Lead	97.7	100	97.7	80-120	97.7	100	97.7	0.0	20
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	49.4	50	98.8	80-120	49.6	50	99.2	0.4	20
Silicon									
Silver	20.1	20	100.5	80-120	20.3	20	101.5	1.0	20
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								
Zirconium									

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21521: MC23593-1, MC23593-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/19/13

Metal	LCS Result	Spikelot MPLCS78	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	91.2	94.5	96.5	82-117
Barium	159	166	95.8	83-116
Beryllium	anr			
Boron				
Cadmium	59.0	59.9	98.5	84-116
Calcium				
Chromium	69.6	69.3	100.4	81-119
Cobalt				
Copper				
Gold				
Iron				
Lead	85.1	91.7	92.8	82-118
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Palladium				
Platinum				
Potassium				
Selenium	154	159	96.9	79-121
Silicon				
Silver	33.4	33.9	98.5	66-134
Sodium				
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			
Zirconium				

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21521: MC23593-1, MC23593-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/19/13

Metal	MC23518-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	97.8	106	8.8	0-10
Barium	476	515	8.1	0-10
Beryllium	anr			
Boron				
Cadmium	1.60	1.60	0.0	0-10
Calcium				
Chromium	288	311	7.9	0-10
Cobalt				
Copper				
Gold				
Iron				
Lead	116	123	5.9	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Palladium				
Platinum				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			
Zirconium				

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Associated samples MP21521: MC23593-1, MC23593-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

POST DIGESTATE SPIKE SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/19/13

Metal	Sample ml	Final ml	MC23518-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Boron										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Gold										
Iron										
Lead										
Magnesium										
Manganese										
Molybdenum										
Nickel										
Palladium										
Platinum										
Potassium										
Selenium										
Silicon										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Tungsten										
Vanadium										
Zinc										
Zirconium										

POST DIGESTATE SPIKE SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Associated samples MP21521: MC23593-1, MC23593-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21523 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/20/13

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0087	.0097	-0.0025	<0.033

Associated samples MP21523: MC23593-1, MC23593-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21523 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/20/13

Metal	MC23518-1 Original	MS	Spikelot HGRWS1	% Rec	QC Limits
Mercury	0.0	0.51	0.478	106.7	80-120

Associated samples MP21523: MC23593-1, MC23593-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21523 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/20/13

Metal	MC23518-1 Original	MSD	Spikelot HGRWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	0.52	0.478	108.8	1.9	20

Associated samples MP21523: MC23593-1, MC23593-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21523
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:			08/20/13					08/20/13	
Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	0.50	0.5	100.0	80-120	0.49	0.5	98.0	2.0	30

Associated samples MP21523: MC23593-1, MC23593-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21523
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 08/20/13

Metal	LCS Result	Spikelot HGLCS78	% Rec	QC Limits
Mercury	4.6	4.05	113.6	72-128

Associated samples MP21523: MC23593-1, MC23593-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

New England ACCUTEST LABORATORIES

Metals Analysis

Raw Data

```
                                Folder:   #HG5     **PUBLIC FOLDER **   Page    1
                                Protocol:
                               ***POST-RUN REPORT***
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  653     10:59:46 20 Aug 13   HG

Hg    .000    ppb       7

*** Standard: 2 Rep: 1              Seq:  654     11:02:08 20 Aug 13   HG

Hg    .200    ppb       1300

*** Standard: 3 Rep: 1              Seq:  655     11:04:31 20 Aug 13   HG

Hg    .500    ppb       3493

*** Standard: 4 Rep: 1              Seq:  656     11:06:55 20 Aug 13   HG

Hg    1.00    ppb       7620

*** Standard: 5 Rep: 1              Seq:  657     11:09:17 20 Aug 13   HG

Hg    2.00    ppb       13687

*** Standard: 6 Rep: 1              Seq:  658     11:11:46 20 Aug 13   HG

Hg    3.00    ppb       20999

*** Standard: 7 Rep: 1              Seq:  659     11:14:10 20 Aug 13   HG

Hg    4.00    ppb       28440

*** Standard: 8 Rep: 1              Seq:  660     11:16:48 20 Aug 13   HG

Hg    5.00    ppb       35243

*** Standard: 9 Rep: 1              Seq:  661     11:19:10 20 Aug 13   HG

Hg    6.00    ppb       41482

*** Sample ID: ICV        H1082013S1 Seq:  662    11:23:26 20 Aug 13   HG

Hg    3.90    ppb        .000      3.90

===============================================================================
*** Sample ID: ICB        H1082013S1 Seq:  663    11:25:51 20 Aug 13   HG

Hg   -.064    ppb        .000     -.064
                                                                              =
===============================================================================
```

Folder: #HG5 **PUBLIC FOLDER ** Page 2
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCV H1082013S1 Seq: 664 11:28:22 20 Aug 13 HG								
Hg	3.05	ppb	.000	3.05				
*** Sample ID: CCB H1082013S1 Seq: 665 11:30:43 20 Aug 13 HG								
Hg	-.037	ppb	.000	-.037				
*** Sample ID: CRI H1082013S1 Seq: 666 11:33:45 20 Aug 13 HG								
Hg	.166	ppb	.000	.166				
*** Sample ID: MP21523MB1 H1082013S1 Seq: 667 11:36:11 20 Aug 13 HG								
Hg	-.015	ppb	.000	-.015				
*** Sample ID: MP21523-B1 H1082013S1 Seq: 668 11:38:47 20 Aug 13 HG								
Hg	2.97	ppb	.000	2.97				
*** Sample ID: MP21523-B2 H1082013S1 Seq: 669 11:41:09 20 Aug 13 HG								
Hg	2.93	ppb	.000	2.93				
*** Sample ID: MP21523-S1 H1082013S1 Seq: 670 11:43:31 20 Aug 13 HG MC23518-1								
Hg	3.20	ppb	.000	3.20				
*** Sample ID: MP21523-S2 H1082013S1 Seq: 671 11:45:53 20 Aug 13 HG MC23518-1								
Hg	3.26	ppb	.000	3.26				
*** Sample ID: MC23518-1 H1082013S1 Seq: 672 11:48:36 20 Aug 13 HG								
Hg	.047	ppb	.000	.047				
*** Sample ID: MP21523LC1 H1082013S1 Seq: 673 11:51:38 20 Aug 13 HG Wgt 1.0000 Vol 10.000								
Hg	27.7	ppb	.000	27.7				

Folder: #HG5 **PUBLIC FOLDER ** Page 3
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: MC23582-1 H1082013S1 Seq: 674 11:54:15 20 Aug 13 HG									
Hg	2.47	ppb	.000	2.47					=
*** Sample ID: MC23582-2 H1082013S1 Seq: 675 11:56:48 20 Aug 13 HG									
Hg	2.03	ppb	.000	2.03					=
*** Sample ID: CCV H1082013S1 Seq: 676 11:59:12 20 Aug 13 HG									
Hg	3.09	ppb	.000	3.09					=
*** Sample ID: CCB H1082013S1 Seq: 677 12:02:04 20 Aug 13 HG									
Hg	-.022	ppb	.000	-.022					=
*** Sample ID: MC23582-3 H1082013S1 Seq: 678 12:04:45 20 Aug 13 HG									
Hg	2.05	ppb	.000	2.05					=
*** Sample ID: MC23582-4 H1082013S1 Seq: 679 12:07:29 20 Aug 13 HG									
Hg	2.18	ppb	.000	2.18					=
*** Sample ID: MC23582-5 H1082013S1 Seq: 680 12:09:56 20 Aug 13 HG									
Hg	1.50	ppb	.000	1.50					=
*** Sample ID: MC23593-1 H1082013S1 Seq: 681 12:12:39 20 Aug 13 HG									
Hg	.187	ppb	.000	.187					=
*** Sample ID: MC23593-2 H1082013S1 Seq: 682 12:15:02 20 Aug 13 HG									
Hg	.277	ppb	.000	.277					=
*** Sample ID: MC23594-1 H1082013S1 Seq: 683 12:17:27 20 Aug 13 HG									
Hg	.118	ppb	.000	.118					=

Folder: #HG5 **PUBLIC FOLDER ** Page 4
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: MC23602-1 H1082013S1 Seq: 684 12:19:51 20 Aug 13 HG									
Hg	.048	ppb	.000	.048					=
*** Sample ID: MC23602-2 H1082013S1 Seq: 685 12:22:13 20 Aug 13 HG									
Hg	.188	ppb	.000	.188					=
*** Sample ID: MC23602-3 H1082013S1 Seq: 686 12:24:45 20 Aug 13 HG									
Hg	.036	ppb	.000	.036					=
*** Sample ID: MC23602-4 H1082013S1 Seq: 687 12:27:06 20 Aug 13 HG									
Hg	.335	ppb	.000	.335					=
*** Sample ID: CCV H1082013S1 Seq: 688 12:30:18 20 Aug 13 HG									
Hg	3.06	ppb	.000	3.06					=
*** Sample ID: CCB H1082013S1 Seq: 689 12:33:01 20 Aug 13 HG									
Hg	-.031	ppb	.000	-.031					=
*** Sample ID: MC23630-1 H1082013S1 Seq: 690 12:35:26 20 Aug 13 HG									
Hg	.411	ppb	.000	.411					=
*** Sample ID: CRI H1082013S1 Seq: 691 12:37:54 20 Aug 13 HG									
Hg	.183	ppb	.000	.183					=
*** Sample ID: CCV H1082013S1 Seq: 692 12:40:21 20 Aug 13 HG									
Hg	2.85	ppb	.000	2.85					=
*** Sample ID: CCB H1082013S1 Seq: 693 12:42:44 20 Aug 13 HG									
Hg	-.065	ppb	.000	-.065					=

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 8/20/2013 13:43:56 Type: Cal
Method: Accutest -SS2(v31) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0036	.0009	.0008	.0003	.0035	.0089	.0002	.0040	.0050
Stddev	.0001	.0001	.0000	.0001	.0001	.0000	.0003	.0001	.0003
%RSD	3.350	12.59	3.738	26.20	3.493	.2206	164.8	1.975	6.851
#1	-.0036	.0009	.0008	.0003	.0036	.0089	.0000	.0041	.0048
#2	-.0037	.0008	.0008	.0004	.0034	.0089	.0004	.0039	.0053

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0016	.0001	.0238	.0003	.0015	-.0001	.0005	.0012	.0005
Stddev	.0006	.0000	.0002	.0001	.0004	.0002	.0003	.0001	.0005
%RSD	34.55	9.312	.9849	17.15	28.96	444.4	56.25	8.095	108.9
#1	-.0012	.0002	.0239	.0004	.0012	-.0002	.0007	.0013	.0001
#2	-.0020	.0001	.0236	.0003	.0018	.0001	.0003	.0011	.0009

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0038	-.0017	.0002	.0000	.0020	.0018	.0850	-.0004	.0041
Stddev	.0002	.0008	.0000	.0001	.0006	.0004	.0005	.0002	.0001
%RSD	4.550	46.26	7.343	187.9	28.57	20.74	.6375	50.90	1.900
#1	-.0039	-.0023	.0002	.0000	.0024	.0021	.0846	-.0003	.0041
#2	-.0036	-.0012	.0002	.0001	.0016	.0015	.0853	-.0006	.0042

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0007	-.0052	.0007	.0001	-.0010	-.0003
Stddev	.0000	.0001	.0002	.0000	.0004	.0001
%RSD	6.154	1.295	24.55	15.76	42.43	37.87
#1	-.0007	-.0051	.0006	.0001	-.0013	-.0003
#2	-.0007	-.0052	.0009	.0001	-.0007	-.0002

◀ Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 8/20/2013 13:43:56 Type: Cal
Method: Accutest -SS2(v31) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1720.6	42814.	16191.
Stddev	1.4	296.	62.
%RSD	.08042	.69105	.38177
#1	1719.7	43023.	16235.
#2	1721.6	42604.	16148.

◀ Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 8/20/2013 13:48:17 Type: Cal
Method: Accutest -SS2(v31) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1889	.7854	2.823	15.53	13.91	11.59	9.338	1.077	2.350	6.178
Stddev	.0000	.0010	.003	.05	.07	.01	.003	.001	.001	.004
%RSD	.0117	.1316	.1030	.3509	.4740	.0824	.0325	.1185	.0613	.0604
#1	.1889	.7847	2.821	15.57	13.95	11.59	9.336	1.078	2.349	6.175
#2	.1889	.7862	2.825	15.49	13.86	11.60	9.341	1.076	2.351	6.180

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.532	7.895	3.125	2.056	1.281	1.110	12.53
Stddev	.017	.004	.001	.003	.002	.000	.00
%RSD	.2213	.0466	.0267	.1204	.1315	.0114	.0149
#1	7.520	7.897	3.124	2.054	1.279	1.110	12.53
#2	7.544	7.892	3.125	2.058	1.282	1.110	12.54

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1688.5	42422.	16069.
Stddev	2.3	24.	139.
%RSD	.13756	.05609	.86267
#1	1690.2	42439.	15971.
#2	1686.9	42405.	16168.

◀ Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 8/20/2013 13:52:31 Type: Cal
Method: Accutest -SS2(v31) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.307	2.446	1.496	.7399	.1768	2.374
Stddev	.000	.003	.000	.0023	.0009	.002
%RSD	.0142	.1360	.0156	.3066	.4981	.0779
#1	1.308	2.449	1.495	.7415	.1775	2.375
#2	1.307	2.444	1.496	.7383	.1762	2.372

Int. Std.	Y_3710
Units	Cts/S
Avg	16004.
Stddev	112.
%RSD	.69751
#1	15925.
#2	16082.

Zoom In Zoom Out

Sample Name: Std4 Acquired: 8/20/2013 13:56:50 Type: Cal
Method: Accutest -SS2(v31) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	Si2124	Sn1899	Sr4077	Ti3349	V_2924	W_2397	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3635	.5643	.0929	3.678	1.901	24.89	1.605	1.373	.0629	3.089
Stddev	.0011	.0003	.0002	.003	.002	.13	.001	.000	.0000	.005
%RSD	.3058	.0601	.1670	.0716	.0975	.5187	.0750	.0099	.0379	.1642
#1	.3627	.5646	.0930	3.676	1.900	24.80	1.604	1.373	.0629	3.092
#2	.3643	.5641	.0928	3.680	1.902	24.99	1.605	1.373	.0630	3.085

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1726.9	42616.	16218.
Stddev	.1	195.	3.
%RSD	.00298	.45820	.02126
#1	1726.9	42754.	16220.
#2	1726.9	42478.	16215.

Zoom In Zoom Out

Sample Name: ICV Acquired: 8/20/2013 14:01:12 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.5178	16.30	3.068	3.005	3.057	3.069	3.012	18.40	3.054	3.056
Stddev	.0010	.04	.002	.004	.001	.004	.000	.01	.001	.003
%RSD	.1888	.2191	.0666	.1417	.0372	.1254	.0099	.0746	.0215	.0802
#1	.5171	16.27	3.070	3.008	3.057	3.066	3.012	18.39	3.054	3.057
#2	.5185	16.32	3.067	3.002	3.058	3.071	3.012	18.41	3.054	3.054

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	3.110	2.991	18.68	16.50	18.47	3.050	2.936	15.65	2.937	2.985
Stddev	.000	.002	.03	.03	.04	.003	.001	.02	.000	.003
%RSD	.0029	.0539	.1480	.2015	.2116	.0807	.0450	.1244	.0112	.1153
#1	3.110	2.992	18.66	16.47	18.50	3.048	2.935	15.66	2.937	2.988
#2	3.110	2.990	18.70	16.52	18.45	3.052	2.936	15.64	2.937	2.983

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	3.057	2.984	3.028	3.051	2.022	3.160	3.056	3.058	3.040	3.024
Stddev	.001	.004	.001	.007	.002	.000	.001	.002	.001	.006
%RSD	.0384	.1323	.0303	.2355	.1036	.0113	.0357	.0563	.0395	.1888
#1	3.058	2.987	3.028	3.056	2.021	3.160	3.055	3.057	3.041	3.020
#2	3.056	2.981	3.029	3.046	2.024	3.161	3.057	3.060	3.039	3.028

Elem	W_2397	Zn2062	Zr3391
Avg	3.435	2.993	3.083
Stddev	.014	.003	.004
%RSD	.3991	.1109	.1399
#1	3.426	2.995	3.080
#2	3.445	2.991	3.086

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1700.6	42225.	16250.
Stddev	.9	98.	79.
%RSD	.05155	.23236	.48409
#1	1701.2	42294.	16194.
#2	1700.0	42156.	16306.

Zoom In Zoom Out

Sample Name: ICB Acquired: 8/20/2013 14:07:28 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0006	.0025	.0021	.0009	.0023	.0001	.0000	.0027	.0000	.0000
Stddev	.0005	.0023	.0007	.0005	.0001	.0000	.000	.0009	.0000	.0001
%RSD	78.98	91.86	32.62	52.48	2.987	3.228	256.3	32.20	97.28	438.2
#1	.0009	.0042	.0016	.0006	.0023	.0001	.0000	.0021	.0000	.0001
#2	.0003	.0009	.0026	.0013	.0022	.0001	.0000	.0033	.0000	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0001	-.0009	.0010	.0275	-.0173	.0000	.0022	.0080	.0005	.0002
Stddev	.0005	.0000	.0013	.0416	.0035	.000	.0006	.0098	.0001	.0017
%RSD	551.7	5.476	127.0	151.5	20.23	379.7	26.16	122.7	11.49	703.8
#1	.0004	-.0009	.0001	.0569	-.0198	.0000	.0026	.0150	.0005	-.0010
#2	-.0003	-.0009	.0019	-.0020	-.0148	.0000	.0018	.0011	.0004	.0014

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0004	.0015	-.0002	.0002	-.0006	.0001	.0001	.0003	.0003	.0004
Stddev	.0005	.0019	.0007	.0003	.0004	.0004	.0002	.0004	.0006	.0002
%RSD	141.6	133.0	447.3	145.5	76.20	613.5	113.5	147.0	176.3	69.65
#1	.0007	.0001	-.0007	.0005	-.0009	.0004	.0000	.0000	.0007	.0005
#2	.0000	.0028	.0003	.0000	-.0003	-.0002	.0003	.0006	-.0001	.0002

Elem	W_2397	Zn2062	Zr3391
Avg	.0169	.0000	.0015
Stddev	.0036	.000	.0001
%RSD	21.11	120.0	9.977
#1	.0194	.0000	.0016
#2	.0143	-.0001	.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1706.8	43024.	16022.
Stddev	6.6	232.	113.
%RSD	.38820	.53883	.70338
#1	1711.4	42860.	15942.
#2	1702.1	43188.	16102.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/20/2013 14:11:48 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2557	10.12	2.016	-.0032	2.021	1.983	1.986	10.13	2.032	2.108
Stddev	.0006	.03	.001	.0002	.004	.002	.003	.03	.001	.001
%RSD	.2153	.3176	.0403	6.176	.1716	.0877	.1502	.2820	.0267	.0303
#1	.2561	10.09	2.016	-.0031	2.024	1.984	1.988	10.11	2.032	2.107
#2	.2553	10.14	2.015	-.0033	2.019	1.982	1.984	10.15	2.032	2.108

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.026	2.008	10.12	10.08	9.951	2.015	2.012	10.11	1.999	1.987
Stddev	.005	.005	.01	.02	.034	.002	.001	.01	.000	.000
%RSD	.2405	.2669	.1106	.1760	.3455	.0788	.0499	.0992	.0117	.0224
#1	2.023	2.005	10.13	10.09	9.975	2.014	2.011	10.12	1.999	1.988
#2	2.030	2.012	10.11	10.07	9.927	2.016	2.012	10.10	1.999	1.987

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0006	.0018	2.023	2.012	1.156	2.019	1.986	2.019	2.023	2.017
Stddev	.0012	.0059	.001	.002	.001	.003	.001	.002	.002	.004
%RSD	203.9	330.6	.0707	.0908	.1012	.1555	.0594	.0831	.1063	.2135
#1	.0003	-.0024	2.024	2.013	1.156	2.017	1.987	2.018	2.021	2.013
#2	-.0015	.0060	2.022	2.010	1.155	2.021	1.985	2.020	2.024	2.020

Elem	W_2397	Zn2062	Zr3391
Avg	.0282	2.014	.0039
Stddev	.0011	.001	.0012
%RSD	3.822	.0286	30.69
#1	.0274	2.014	.0047
#2	.0290	2.013	.0030

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1673.0	41614.	16049.
Stddev	1.5	37.	78.
%RSD	.08743	.08886	.48614
#1	1672.0	41640.	16104.
#2	1674.1	41588.	15994.

Zoom In ▶ Zoom Out

Sample Name: CCB Acquired: 8/20/2013 14:15:58 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0055	.0015	-.0008	.0026	.0002	.0001	.0042	.0002	.0003
Stddev	.0006	.0042	.0000	.0013	.0001	.0001	.0000	.0002	.0002	.0002
%RSD	255.2	76.24	3.072	171.5	4.687	67.50	7.036	3.571	103.0	57.99
#1	-.0002	.0025	.0015	.0002	.0025	.0001	.0001	.0041	.0001	.0002
#2	.0006	.0084	.0015	-.0017	.0027	.0003	.0001	.0043	.0004	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	-.0005	-.0009	.0132	-.0019	.0000	.0035	.0009	.0005	.0012
Stddev	.0005	.0007	.0029	.0039	.0055	.0000	.0008	.0020	.0002	.0008
%RSD	256.3	120.3	319.4	29.77	288.2	127.2	23.57	237.4	36.42	65.21
#1	-.0005	-.0010	.0011	.0104	-.0058	.0000	.0040	-.0006	.0004	.0017
#2	.0002	-.0001	-.0029	.0159	.0020	.0000	.0029	.0023	.0007	.0006

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0002	.0030	-.0001	.0018	.0016	.0007	.0002	.0003	.0019	-.0002
Stddev	.0003	.0031	.0007	.0001	.0011	.0004	.0000	.0005	.0007	.0000
%RSD	157.0	101.7	478.0	5.987	65.68	57.25	17.87	154.1	36.31	27.89
#1	.0000	.0008	.0003	.0018	.0009	.0010	.0002	.0007	.0023	-.0002
#2	.0004	.0052	-.0006	.0017	.0024	.0004	.0002	.0000	.0014	-.0001

Elem	W_2397	Zn2062	Zr3391
Avg	.0059	.0001	.0007
Stddev	.0016	.0002	.0004
%RSD	27.25	238.8	54.77
#1	.0070	.0000	.0004
#2	.0047	.0002	.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1710.6	42705.	16137.
Stddev	.6	83.	48.
%RSD	.03517	.19426	.29789
#1	1710.2	42763.	16171.
#2	1711.0	42646.	16103.

Zoom In ▶ Zoom Out

Sample Name: CRIA Acquired: 8/20/2013 14:20:19 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0053	.2151	.0112	-.0006	.1003	.0512	.0042	5.152	.0046	.0538
Stddev	.0001	.0017	.0003	.0007	.0005	.0002	.0000	.035	.0000	.0003
%RSD	1.447	.8075	2.401	110.3	.5288	.3259	.3767	.6721	.5318	.5541
#1	.0054	.2139	.0113	-.0011	.1007	.0514	.0042	5.177	.0046	.0540
#2	.0053	.2163	.0110	-.0001	.0999	.0511	.0042	5.128	.0046	.0536

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0098	.0227	.1044	5.141	5.050	.0157	.1037	5.096	.0413	.0105
Stddev	.0003	.0000	.0002	.037	.014	.0001	.0002	.039	.0000	.0007
%RSD	2.983	.0498	.2294	.7268	.2815	.4979	.1671	.7703	.0802	6.742
#1	.0096	.0227	.1042	5.167	5.060	.0156	.1036	5.124	.0413	.0100
#2	.0100	.0227	.1046	5.114	5.040	.0157	.1038	5.069	.0413	.0110

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0004	-.0001	.0109	.0099	-.0547	.1020	.0102	.0526	.0110	.0099
Stddev	.0002	.0002	.0001	.0012	.0000	.0005	.0001	.0006	.0008	.0003
%RSD	48.06	119.4	.6974	11.81	.0018	.4995	.5501	1.139	7.198	3.377
#1	-.0005	.0000	.0110	.0108	-.0547	.1024	.0103	.0530	.0116	.0102
#2	-.0002	-.0003	.0108	.0091	-.0547	.1017	.0102	.0522	.0104	.0097

Elem	W_2397	Zn2062	Zr3391
Avg	.0095	.0215	.0004
Stddev	.0041	.0002	.0001
%RSD	42.92	.7110	20.69
#1	.0066	.0214	.0004
#2	.0124	.0216	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1695.9	42211.	16254.
Stddev	1.1	183.	64.
%RSD	.06533	.43456	.39595
#1	1696.6	42340.	16209.
#2	1695.1	42081.	16300.

Zoom In ▶ Zoom Out

Sample Name: ICSA Acquired: 8/20/2013 14:24:36 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	539.1	-.0006	-.0052	.0004	-.0008	.0001	471.1	.0005	.0024
Stddev	.0004	10.1	.0017	.0009	.0006	.0001	.0000	5.7	.0000	.0002
%RSD	108.6	1.865	287.1	16.67	145.6	16.20	62.10	1.209	1.798	7.667
#1	-.0001	546.2	-.0018	-.0045	.0008	-.0009	.0001	467.0	.0005	.0023
#2	-.0006	532.0	.0006	-.0058	.0000	-.0007	.0000	475.1	.0005	.0025

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0003	.0001	190.3	-.0084	505.1	-.0001	-.0005	.0696	.0002	.0027
Stddev	.0005	.0007	.5	.0058	1.3	.0001	.0004	.0135	.0003	.0008
%RSD	181.2	801.5	.2531	68.55	.2494	129.4	71.72	19.34	155.2	29.06
#1	.0007	.0005	190.7	-.0043	506.0	.0000	-.0003	.0601	.0000	.0021
#2	-.0001	-.0004	190.0	-.0125	504.2	-.0001	-.0008	.0791	.0004	.0032

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0395	-.0287	.0031	-.0001	-.0202	.0001	.0009	.0097	.0011	.0007
Stddev	.0037	.0045	.0000	.0015	.0003	.0002	.0001	.0009	.0002	.0001
%RSD	9.298	15.66	.7189	1753.	1.332	171.0	10.27	9.006	16.91	19.28
#1	-.0369	-.0256	.0031	-.0011	-.0204	.0003	.0009	.0091	.0010	.0008
#2	-.0421	-.0319	.0031	.0010	-.0200	.0000	.0008	.0103	.0012	.0006

Elem	W_2397	Zn2062	Zr3391
Avg	-.0407	-.0005	.0015
Stddev	.0087	.0001	.0002
%RSD	21.30	23.61	14.83
#1	-.0345	-.0005	.0017
#2	-.0468	-.0004	.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1527.9	38952.	15571.
Stddev	6.8	401.	90.
%RSD	.44503	1.0300	.57645
#1	1523.1	39236.	15507.
#2	1532.7	38669.	15634.

Zoom In ▶ Zoom Out

Sample Name: ICSAB Acquired: 8/20/2013 14:29:02 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.093	538.3	2.116	.5010	1.059	.5091	.4715	469.2	1.080	.5199
Stddev	.004	.8	.005	.0027	.000	.0018	.0001	2.5	.001	.0006
%RSD	.3186	.1488	.2498	.5433	.0098	.3500	.0190	.5392	.1119	.1127
#1	1.095	537.7	2.112	.5029	1.059	.5078	.4714	471.0	1.079	.5195
#2	1.090	538.9	2.120	.4991	1.059	.5103	.4715	467.4	1.081	.5203

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5137	.5457	190.5	.0218	504.7	.5120	1.022	.0787	.9458	.9816
Stddev	.0023	.0031	1.9	.0103	.0	.0014	.002	.0046	.0002	.0016
%RSD	.4411	.5607	.9956	47.25	.0061	.2736	.1992	5.828	.0206	.1624
#1	.5153	.5479	191.9	.0291	504.6	.5130	1.020	.0820	.9457	.9827
#2	.5121	.5435	189.2	.0145	504.7	.5110	1.023	.0755	.9459	.9805

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.5137	.4873	2.158	2.087	1.499	1.051	.9946	.5406	2.084	.5377
Stddev	.0010	.0059	.000	.001	.000	.001	.0024	.0007	.001	.0022
%RSD	.2015	1.211	.0144	.0332	.0201	.0732	.2447	.1319	.0525	.4054
#1	.5130	.4831	2.158	2.087	1.499	1.051	.9928	.5411	2.083	.5392
#2	.5145	.4915	2.158	2.088	1.499	1.050	.9963	.5401	2.085	.5361

Elem	W_2397	Zn2062	Zr3391
Avg	2.270	.9717	.4469
Stddev	.011	.0010	.0026
%RSD	.5034	.1030	.5811
#1	2.261	.9710	.4451
#2	2.278	.9724	.4487

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1552.4	39620.	15906.
Stddev	.6	10.	17.
%RSD	.03830	.02402	.10615
#1	1552.9	39613.	15894.
#2	1552.0	39627.	15918.

Zoom In Zoom Out

Sample Name: MP21521-B1 Acquired: 8/20/2013 14:33:28 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2009	2.164	.5230	.0001	.0083	1.976	.5022	24.77	.5052	.5123
Stddev	.0002	.004	.0010	.0010	.0000	.004	.0007	.05	.0005	.0006
%RSD	.1125	.2045	.1962	928.6	.3633	.1926	.1453	.1825	.0964	.1089
#1	.2011	2.167	.5237	-.0006	.0083	1.978	.5027	24.81	.5049	.5119
#2	.2008	2.161	.5223	.0008	.0083	1.973	.5017	24.74	.5056	.5127

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5227	.4858	2.053	25.02	25.07	.4935	.0022	25.15	.4865	.9771
Stddev	.0009	.0015	.001	.05	.07	.0003	.0005	.04	.0001	.0012
%RSD	.1811	.3116	.0349	.1825	.2724	.0691	24.84	.1570	.0178	.1241
#1	.5234	.4869	2.053	25.05	25.12	.4938	.0026	25.18	.4866	.9762
#2	.5220	.4848	2.052	24.99	25.02	.4933	.0018	25.12	.4865	.9779

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0003	.0031	.5023	.4937	.0327	.0052	.4851	.5036	.5038	.5207
Stddev	.0003	.0002	.0006	.0004	.0002	.0002	.0011	.0011	.0008	.0016
%RSD	101.9	5.848	.1115	.0793	.6684	3.291	.2273	.2275	.1560	.3134
#1	-.0005	.0032	.5019	.4935	.0326	.0053	.4859	.5028	.5032	.5196
#2	-.0001	.0030	.5027	.4940	.0329	.0050	.4844	.5045	.5044	.5219

Elem	W_2397	Zn2062	Zr3391
Avg	.0196	.5159	.0260
Stddev	.0073	.0003	.0023
%RSD	37.14	.0597	8.760
#1	.0248	.5157	.0276
#2	.0145	.5162	.0244

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1673.9	42318.	16104.
Stddev	6.8	240.	22.
%RSD	.40865	.56629	.13466
#1	1678.8	42487.	16120.
#2	1669.1	42148.	16089.

Zoom In Zoom Out

Sample Name: MP21521-MB1 Acquired: 8/20/2013 14:37:39 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	.0069	-.0003	-.0006	.0062	.0006	.0000	.0729	.0002	.0000
Stddev	.0002	.0004	.0015	.0008	.0004	.0001	.0000	.0010	.0000	.000
%RSD	68.93	5.966	542.6	127.8	7.063	11.34	2.550	1.358	10.55	357.0
#1	.0005	.0072	.0008	-.0012	.0059	.0007	.0000	.0736	.0002	-.0001
#2	.0002	.0066	-.0014	-.0001	.0065	.0006	.0000	.0722	.0002	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	-.0009	.0156	.0980	.0034	.0004	.0004	.0764	.0003	.0005
Stddev	.0001	.0002	.0009	.0065	.0104	.0000	.0002	.0065	.0002	.0000
%RSD	27.47	26.84	5.738	6.622	309.4	11.82	45.02	8.514	75.10	4.521
#1	.0003	-.0010	.0163	.0934	-.0040	.0004	.0006	.0810	.0005	.0006
#2	.0002	-.0007	.0150	.1026	.0108	.0004	.0003	.0718	.0001	.0005

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0006	.0028	.0008	.0015	.0421	.0055	.0001	-.0001	-.0010	.0001
Stddev	.0006	.0015	.0007	.0003	.0005	.0002	.0001	.0002	.0004	.0005
%RSD	100.4	54.98	80.00	18.17	1.199	4.085	94.98	227.3	38.54	347.1
#1	.0002	.0039	.0013	.0017	.0417	.0057	.0002	-.0002	-.0013	-.0002
#2	.0011	.0017	.0004	.0013	.0425	.0054	.0000	.0000	-.0007	.0005

Elem	W_2397	Zn2062	Zr3391
Avg	.0049	.0040	.0019
Stddev	.0041	.0001	.0003
%RSD	83.58	2.047	14.30
#1	.0077	.0040	.0021
#2	.0020	.0039	.0017

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1694.5	42590.	16024.
Stddev	6.9	35.	104.
%RSD	.40530	.08137	.64711
#1	1689.7	42565.	16098.
#2	1699.4	42614.	15951.

Zoom In Zoom Out

Sample Name: MP21521-S1 Acquired: 8/20/2013 14:42:00 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1906	110.7	.6025	-.0050	.0100	2.322	.4712	35.07	.4840	.5725
Stddev	.0011	.1	.0003	.0020	.0002	.002	.0001	.06	.0003	.0004
%RSD	.5867	.0589	.0429	39.58	2.088	.0983	.0173	.1652	.0665	.0629
#1	.1914	110.7	.6023	-.0036	.0098	2.324	.4712	35.03	.4842	.5723
#2	.1898	110.8	.6026	-.0064	.0101	2.321	.4711	35.11	.4838	.5728

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.7144	.7538	139.9	51.02	65.97	2.647	.0034	31.04	.6443	1.038
Stddev	.0015	.0045	.3	.09	.11	.002	.0001	.04	.0006	.002
%RSD	.2065	.5986	.2270	.1765	.1614	.0717	1.961	.1205	.0962	.1468
#1	.7134	.7570	139.7	51.09	66.04	2.645	.0035	31.02	.6447	1.039
#2	.7155	.7506	140.1	50.96	65.89	2.648	.0034	31.07	.6438	1.037

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0006	.0050	.1963	.4646	2.449	-.0058	.5187	7.584	.4754	.7015
Stddev	.0006	.0016	.0009	.0007	.008	.0006	.0005	.010	.0000	.0016
%RSD	99.18	32.25	.4495	.1442	.3168	10.67	.0876	.1371	.0022	.2223
#1	.0011	.0061	.1969	.4642	2.454	-.0062	.5190	7.591	.4754	.7026
#2	.0002	.0039	.1957	.4651	2.443	-.0053	.5183	7.576	.4754	.7004

Elem	W_2397	Zn2062	Zr3391
Avg	.0092	.8155	.0234
Stddev	.0066	.0000	.0001
%RSD	71.71	.0040	.4687
#1	.0139	.8155	.0235
#2	.0045	.8154	.0233

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1765.2	44452.	17290.
Stddev	2.0	424.	81.
%RSD	.11128	.95442	.47007
#1	1763.8	44752.	17347.
#2	1766.6	44152.	17232.

Zoom In Zoom Out

Sample Name: MP21521-S2 Acquired: 8/20/2013 14:46:11 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1918	112.3	.5861	-.0058	.0104	2.335	.4764	32.52	.4922	.5584
Stddev	.0018	.1	.0006	.0016	.0003	.001	.0005	.03	.0002	.0000
%RSD	.9526	.0924	.0979	26.75	2.456	.0375	.1138	.0912	.0335	.0041
#1	.1905	112.4	.5865	-.0069	.0105	2.334	.4768	32.54	.4923	.5585
#2	.1931	112.2	.5857	-.0047	.0102	2.336	.4760	32.50	.4921	.5584

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.7178	.7470	140.3	51.09	67.37	2.567	.0032	31.18	.6262	1.036
Stddev	.0028	.0017	.2	.02	.04	.001	.0001	.01	.0004	.001
%RSD	.3883	.2249	.1331	.0341	.0533	.0487	3.967	.0387	.0627	.0586
#1	.7158	.7482	140.5	51.07	67.40	2.566	.0031	31.17	.6264	1.036
#2	.7198	.7458	140.2	51.10	67.35	2.568	.0033	31.19	.6259	1.037

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0004	.0025	.2090	.4772	2.619	-.0067	.5120	7.673	.4863	.7113
Stddev	.0020	.0074	.0002	.0002	.003	.0003	.0002	.001	.0003	.0002
%RSD	514.3	291.5	.0790	.0522	.1241	4.855	.0454	.0138	.0525	.0307
#1	.0018	.0078	.2089	.4773	2.617	-.0070	.5119	7.674	.4861	.7115
#2	-.0010	-.0027	.2091	.4770	2.621	-.0065	.5122	7.672	.4865	.7111

Elem	W_2397	Zn2062	Zr3391
Avg	.0019	.7695	.0177
Stddev	.0047	.0014	.0001
%RSD	249.0	.1794	.6439
#1	.0052	.7704	.0176
#2	-.0014	.7685	.0178

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1741.8	43790.	17060.
Stddev	1.9	118.	11.
%RSD	.10966	.26985	.06594
#1	1743.2	43874.	17068.
#2	1740.5	43706.	17052.

Zoom In Zoom Out

Sample Name: MC23518-1 Acquired: 8/20/2013 14:50:24 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0012	106.4	.0978	-.0054	.0072	.4761	.0039	10.21	.0016	.0727
Stddev	.0001	.3	.0022	.0006	.0004	.0008	.0001	.03	.0000	.0001
%RSD	7.537	.3081	2.279	11.60	5.645	.1607	2.732	.3340	2.736	.1180
#1	-.0011	106.6	.0994	-.0059	.0075	.4767	.0040	10.24	.0016	.0727
#2	-.0012	106.2	.0963	-.0050	.0069	.4756	.0039	10.19	.0016	.0726

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2883	.3164	147.8	30.17	48.59	2.340	.0037	7.438	.1848	.1162
Stddev	.0015	.0010	.5	.05	.33	.004	.0000	.031	.0000	.0006
%RSD	.5105	.3127	.3073	.1545	.6757	.1665	.7240	.4190	.0061	.4734
#1	.2873	.3157	148.1	30.21	48.82	2.337	.0037	7.460	.1848	.1158
#2	.2894	.3171	147.5	30.14	48.36	2.343	.0037	7.416	.1848	.1166

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0027	.0010	.0007	.0014	2.161	-.0061	.0488	7.374	.0059	.2439
Stddev	.0002	.0009	.0010	.0002	.002	.0003	.0003	.006	.0012	.0002
%RSD	5.636	87.98	143.9	16.32	.0747	4.988	.6871	.0883	21.12	.0712
#1	.0028	.0016	.0015	.0016	2.160	-.0063	.0491	7.370	.0068	.2440
#2	.0026	.0004	.0000	.0012	2.162	-.0059	.0486	7.379	.0050	.2438

Elem	W_2397	Zn2062	Zr3391
Avg	-.0077	.3193	.0161
Stddev	.0020	.0002	.0002
%RSD	25.52	.0775	1.473
#1	-.0063	.3191	.0160
#2	-.0091	.3194	.0163

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1765.1	44149.	17046.
Stddev	1.9	99.	88.
%RSD	.11012	.22405	.51895
#1	1766.4	44219.	16983.
#2	1763.7	44079.	17108.

Zoom In Zoom Out

Sample Name: MP21521-SD1 Acquired: 8/20/2013 14:54:39 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0012	113.1	.1064	-.0037	.0089	.5146	.0039	11.29	.0016	.0772
Stddev	.0008	.1	.0002	.0069	.0006	.0016	.0001	.06	.0002	.0006
%RSD	60.34	.0979	.1598	188.0	7.167	.3144	3.496	.4901	13.68	.8126
#1	.0007	113.0	.1065	-.0085	.0085	.5157	.0040	11.25	.0018	.0768
#2	.0018	113.2	.1063	.0012	.0094	.5134	.0038	11.33	.0015	.0777

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.3112	.3346	159.0	33.81	52.27	2.505	.0031	8.208	.1977	.1230
Stddev	.0031	.0061	.3	.19	.12	.002	.0003	.006	.0017	.0021
%RSD	.9884	1.820	.1942	.5653	.2232	.0898	9.377	.0769	.8821	1.745
#1	.3091	.3303	158.8	33.68	52.19	2.503	.0033	8.204	.1964	.1215
#2	.3134	.3389	159.2	33.95	52.35	2.507	.0029	8.213	.1989	.1245

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0113	-.0218	-.0001	-.0027	2.278	-.0041	.0526	7.892	.0039	.2575
Stddev	.0003	.0152	.0003	.0076	.005	.0001	.0004	.002	.0042	.0016
%RSD	2.288	69.83	626.3	277.9	.2176	2.552	.8319	.0255	106.1	.6299
#1	.0111	-.0326	.0002	.0026	2.275	-.0040	.0523	7.893	.0010	.2564
#2	.0115	-.0110	-.0003	-.0081	2.282	-.0042	.0529	7.890	.0069	.2587

Elem	W_2397	Zn2062	Zr3391
Avg	-.0367	.3474	.0176
Stddev	.0152	.0012	.0012
%RSD	41.25	.3432	6.577
#1	-.0260	.3466	.0184
#2	-.0475	.3483	.0168

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1704.9	42277.	16300.
Stddev	2.4	99.	8.
%RSD	.13990	.23372	.05131
#1	1703.2	42347.	16294.
#2	1706.5	42207.	16306.

Zoom In Zoom Out

Sample Name: MP21521-B2 Acquired: 8/20/2013 14:58:56 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2032	2.071	.5250	-.0013	.0064	1.953	.4921	24.36	.5136	.5176
Stddev	.0008	.006	.0020	.0004	.0005	.004	.0016	.07	.0006	.0012
%RSD	.3956	.2746	.3717	32.47	7.174	.2261	.3209	.2924	.1100	.2279
#1	.2027	2.067	.5264	-.0016	.0067	1.950	.4910	24.31	.5132	.5168
#2	.2038	2.075	.5236	-.0010	.0060	1.956	.4933	24.41	.5140	.5184

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5240	.4900	1.986	24.93	24.59	.4918	.0003	24.69	.4871	.9767
Stddev	.0041	.0016	.002	.00	.05	.0004	.0001	.05	.0003	.0031
%RSD	.7851	.3324	.1155	.0043	.2172	.0728	55.89	.1919	.0554	.3173
#1	.5211	.4889	1.984	24.93	24.56	.4916	.0004	24.66	.4869	.9789
#2	.5269	.4912	1.988	24.93	24.63	.4921	.0002	24.73	.4873	.9745

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0004	.0019	.5060	.4956	.0245	.0043	.4806	.5028	.5089	.5219
Stddev	.0030	.0051	.0006	.0030	.0012	.0003	.0005	.0041	.0015	.0014
%RSD	740.7	274.9	.1132	.6083	4.820	6.635	.0948	.8178	.2887	.2698
#1	-.0025	-.0018	.5056	.4935	.0253	.0041	.4803	.4999	.5078	.5209
#2	.0017	.0055	.5064	.4978	.0237	.0045	.4809	.5057	.5099	.5229

Elem	W_2397	Zn2062	Zr3391
Avg	-.0023	.5206	-.0001
Stddev	.0154	.0004	.0002
%RSD	675.2	.0859	127.8
#1	-.0131	.5202	.0000
#2	.0086	.5209	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1660.9	41728.	16048.
Stddev	1.3	28.	61.
%RSD	.07794	.06668	.37785
#1	1660.0	41747.	16091.
#2	1661.9	41708.	16005.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/20/2013 15:03:09 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2603	10.08	2.037	-.0021	2.006	1.986	1.960	10.13	2.056	2.134
Stddev	.0004	.01	.001	.0022	.005	.000	.002	.00	.006	.002
%RSD	.1590	.1416	.0316	105.1	.2289	.0043	.0914	.0267	.3037	.0797
#1	.2600	10.07	2.037	-.0005	2.009	1.987	1.961	10.13	2.061	2.135
#2	.2606	10.09	2.038	-.0036	2.003	1.986	1.959	10.13	2.052	2.132

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.052	2.048	10.04	10.22	9.863	2.004	2.038	10.05	2.001	2.004
Stddev	.001	.009	.03	.02	.079	.004	.000	.03	.001	.002
%RSD	.0469	.4462	.2898	.1664	.7960	.1869	.0079	.2922	.0673	.1153
#1	2.051	2.042	10.06	10.23	9.918	2.001	2.038	10.07	2.002	2.006
#2	2.053	2.055	10.02	10.21	9.807	2.006	2.038	10.03	2.000	2.002

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0003	.0148	2.032	2.029	1.156	2.019	2.006	2.031	2.055	2.046
Stddev	.0009	.0050	.007	.005	.004	.000	.001	.004	.002	.002
%RSD	280.4	33.68	.3562	.2656	.3349	.0169	.0619	.1830	.0926	.1004
#1	.0003	.0184	2.038	2.032	1.158	2.018	2.006	2.029	2.057	2.045
#2	-.0010	.0113	2.027	2.025	1.153	2.019	2.005	2.034	2.054	2.047

Elem	W_2397	Zn2062	Zr3391
Avg	.0112	2.040	.0007
Stddev	.0024	.003	.0006
%RSD	21.71	.1444	82.88
#1	.0095	2.042	.0011
#2	.0129	2.038	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1682.6	41830.	15964.
Stddev	5.4	112.	87.
%RSD	.32339	.26821	.54466
#1	1678.8	41750.	15902.
#2	1686.5	41909.	16025.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/20/2013 15:18:56 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0009	.0055	.0001	-.0004	.0011	.0003	.0000	.0043	.0002	.0002
Stddev	.0004	.0084	.0016	.0003	.0001	.0001	.0000	.0012	.0000	.0002
%RSD	47.55	154.4	1961.	90.40	6.921	16.11	25.70	28.14	4.828	95.61
#1	.0006	.0114	.0012	-.0006	.0012	.0004	.0000	.0051	.0002	.0001
#2	.0012	-.0005	-.0011	-.0001	.0010	.0003	.0000	.0034	.0002	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0004	-.0012	-.0008	.0655	-.0001	.0001	.0003	.0282	.0004	.0015
Stddev	.0003	.0000	.0030	.0411	.0164	.0000	.0001	.0093	.0001	.0007
%RSD	76.26	3.235	395.0	62.82	20790.	86.36	56.20	33.01	14.60	44.44
#1	-.0007	-.0012	.0014	.0945	.0115	.0000	.0004	.0216	.0005	.0010
#2	-.0002	-.0012	-.0029	.0364	-.0117	.0001	.0002	.0347	.0004	.0019

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0013	.0043	.0005	-.0007	-.0001	.0000	.0000	-.0001	.0002	-.0007
Stddev	.0005	.0036	.0003	.0012	.0002	.0004	.000	.0000	.0013	.0015
%RSD	37.01	83.18	55.61	165.9	112.8	2907.	812.9	28.27	559.0	222.1
#1	-.0016	.0069	.0007	.0001	-.0003	-.0002	.0001	-.0002	.0011	-.0017
#2	-.0010	.0018	.0003	-.0015	.0000	.0003	-.0001	-.0001	-.0007	.0004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0067	.0000	.0004
Stddev	.0155	.0000	.0002
%RSD	231.1	1121.	41.62
#1	.0043	.0000	.0003
#2	-.0177	.0000	.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1710.1	43083.	16318.
Stddev	.4	100.	21.
%RSD	.02105	.23232	.12901
#1	1710.4	43153.	16333.
#2	1709.9	43012.	16304.

Zoom In Zoom Out

Sample Name: MP21521-LC1 Acquired: 8/20/2013 15:24:49 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.3336	93.69	.9119	-.0037	.9947	1.587	.4947	57.33	.5895	.9920
Stddev	.0023	.04	.0031	.0009	.0021	.001	.0006	.09	.0016	.0036
%RSD	.6859	.0420	.3454	23.25	.2124	.0612	.1128	.1512	.2692	.3603
#1	.3352	93.72	.9097	-.0031	.9932	1.588	.4943	57.40	.5883	.9895
#2	.3320	93.66	.9141	-.0043	.9962	1.586	.4951	57.27	.5906	.9946

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6958	.7207	116.7	37.53	29.36	2.711	.3784	6.137	.5301	.8514
Stddev	.0046	.0002	.2	.07	.04	.003	.0019	.005	.0014	.0017
%RSD	.6545	.0324	.1382	.1892	.1402	.0934	.4994	.0755	.2646	.2024
#1	.6990	.7206	116.8	37.58	29.39	2.713	.3771	6.140	.5291	.8502
#2	.6926	.7209	116.6	37.48	29.34	2.709	.3798	6.134	.5311	.8526

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0017	.0053	.5398	1.538	3.646	.9594	.6531	2.357	1.179	.5591
Stddev	.0001	.0041	.0013	.005	.011	.0024	.0003	.003	.002	.0058
%RSD	4.168	77.25	.2444	.3073	.3012	.2477	.0508	.1293	.1957	1.032
#1	-.0017	.0024	.5388	1.534	3.638	.9577	.6533	2.360	1.177	.5632
#2	-.0018	.0081	.5407	1.541	3.653	.9611	.6529	2.355	1.180	.5550

Elem	W_2397	Zn2062	Zr3391
Avg	-.0038	1.322	.0632
Stddev	.0046	.004	.0008
%RSD	121.6	.3075	1.333
#1	-.0070	1.319	.0638
#2	-.0005	1.325	.0626

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1791.6	45073.	17736.
Stddev	3.4	170.	182.
%RSD	.19105	.37683	1.0271
#1	1794.0	44953.	17607.
#2	1789.2	45193.	17865.

Zoom In Zoom Out

Sample Name: MC23582-1 Acquired: 8/20/2013 15:29:00 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	69.93	.0800	-.0068	.0362	.7748	.0044	77.73	.0051	.0535
Stddev	.0006	.05	.0012	.0006	.0008	.0008	.0000	.10	.0002	.0000
%RSD	461.1	.0770	1.491	9.329	2.190	.1086	.6519	.1279	3.986	.0852
#1	-.0003	69.96	.0808	-.0072	.0357	.7754	.0045	77.66	.0053	.0535
#2	.0006	69.89	.0792	-.0063	.0368	.7742	.0044	77.80	.0050	.0534

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2030	.3995	148.7	9.719	30.13	2.804	.0130	1.515	.1394	1.032
Stddev	.0004	.0006	.1	.052	.16	.009	.0000	.002	.0001	.001
%RSD	.2009	.1409	.0738	.5394	.5361	.3314	.0080	.0957	.0449	.1322
#1	.2027	.3999	148.6	9.682	30.02	2.811	.0130	1.516	.1395	1.031
#2	.2033	.3991	148.8	9.756	30.24	2.798	.0130	1.514	.1394	1.033

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0026	.0050	.0039	.0052	2.397	.0243	.2319	4.137	.0001	.2803
Stddev	.0008	.0017	.0007	.0015	.001	.0001	.0002	.007	.0001	.0015
%RSD	29.78	34.28	17.04	29.17	.0265	.4998	.0649	.1734	88.24	.5360
#1	-.0021	.0062	.0034	.0062	2.397	.0243	.2318	4.143	.0001	.2792
#2	-.0032	.0038	.0043	.0041	2.398	.0244	.2320	4.132	.0002	.2814

Elem	W_2397	Zn2062	Zr3391
Avg	-.0075	1.185	.0328
Stddev	.0112	.002	.0002
%RSD	150.1	.1756	.5946
#1	-.0154	1.183	.0330
#2	.0005	1.186	.0327

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1761.9	43954.	17127.
Stddev	5.2	524.	108.
%RSD	.29558	1.1920	.63301
#1	1758.2	43583.	17204.
#2	1765.6	44324.	17051.

Zoom In Zoom Out

Sample Name: MC23582-2 Acquired: 8/20/2013 15:33:14 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	69.72	.3449	-.0076	.0343	.5648	.0044	66.25	.0092	.0609
Stddev	.0001	.07	.0002	.0003	.0003	.0008	.0001	.09	.0000	.0003
%RSD	115.4	.1000	.0464	3.397	.7991	.1365	1.147	.1413	.0065	.4578
#1	.0000	69.67	.3448	-.0078	.0341	.5643	.0043	66.18	.0092	.0611
#2	-.0002	69.76	.3450	-.0074	.0345	.5654	.0044	66.31	.0092	.0607

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2566	.4292	202.7	13.26	31.77	2.765	.0197	1.515	.1647	1.081
Stddev	.0030	.0018	.7	.03	.04	.006	.0001	.009	.0001	.000
%RSD	1.175	.4228	.3402	.2135	.1346	.2244	.7155	.5810	.0573	.0291
#1	.2545	.4279	202.2	13.28	31.74	2.761	.0198	1.509	.1646	1.081
#2	.2587	.4305	203.2	13.24	31.80	2.770	.0196	1.521	.1648	1.081

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0016	.0079	.0030	.0041	2.367	.0276	.2157	4.968	.0071	.3147
Stddev	.0007	.0007	.0007	.0001	.006	.0004	.0007	.002	.0009	.0031
%RSD	46.05	8.344	21.61	2.388	.2442	1.619	.3131	.0363	12.85	.9910
#1	-.0011	.0074	.0035	.0042	2.371	.0279	.2152	4.966	.0077	.3125
#2	-.0021	.0083	.0026	.0040	2.363	.0273	.2162	4.969	.0065	.3169

Elem	W_2397	Zn2062	Zr3391
Avg	-.0038	1.487	.0386
Stddev	.0002	.000	.0012
%RSD	5.045	.0056	3.079
#1	-.0039	1.487	.0378
#2	-.0037	1.487	.0395

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1792.2	45481.	17518.
Stddev	2.7	57.	15.
%RSD	.15100	.12432	.08823
#1	1794.1	45521.	17529.
#2	1790.3	45441.	17507.

Zoom In Zoom Out

Sample Name: MC23582-3 Acquired: 8/20/2013 15:37:35 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	66.30	.0816	-.0055	.0329	.4936	.0039	57.05	.0064	.0551
Stddev	.0003	.07	.0007	.0002	.0006	.0008	.0000	.14	.0001	.0001
%RSD	148.5	.1102	.8831	3.041	1.707	.1630	.5762	.2380	1.869	.1987
#1	.0000	66.35	.0821	-.0053	.0325	.4941	.0039	57.15	.0063	.0550
#2	.0004	66.25	.0811	-.0056	.0333	.4930	.0039	56.96	.0065	.0552

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2128	.3751	169.5	9.754	29.48	2.264	.0154	1.451	.1513	1.096
Stddev	.0010	.0011	.9	.048	.17	.003	.0001	.004	.0002	.003
%RSD	.4528	.3063	.5046	.4927	.5789	.1292	.9318	.2442	.1439	.2486
#1	.2121	.3743	170.1	9.788	29.60	2.262	.0153	1.453	.1512	1.094
#2	.2135	.3759	168.9	9.720	29.36	2.266	.0155	1.448	.1515	1.098

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0034	.0076	.0029	.0020	2.329	.0284	.1994	4.318	.0042	.3101
Stddev	.0016	.0014	.0007	.0000	.002	.0002	.0006	.007	.0013	.0016
%RSD	47.34	18.42	22.83	1.879	.1007	.5474	.3243	.1594	30.65	.5091
#1	-.0022	.0066	.0024	.0020	2.330	.0283	.1999	4.313	.0051	.3090
#2	-.0045	.0086	.0034	.0021	2.327	.0285	.1990	4.323	.0033	.3113

Elem	W_2397	Zn2062	Zr3391
Avg	-.0127	1.332	.0301
Stddev	.0119	.003	.0006
%RSD	94.20	.1990	2.007
#1	-.0211	1.330	.0297
#2	-.0042	1.334	.0305

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1772.1	44695.	17357.
Stddev	3.3	66.	101.
%RSD	.18392	.14700	.58163
#1	1774.4	44649.	17286.
#2	1769.8	44742.	17429.

Zoom In Zoom Out

Sample Name: MC23582-4 Acquired: 8/20/2013 15:41:53 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0008	74.41	.2213	-.0079	.0325	.5045	.0048	89.90	.0073	.0571
Stddev	.0001	.06	.0007	.0004	.0001	.0004	.0001	.01	.0001	.0000
%RSD	16.71	.0793	.3311	5.351	.4491	.0767	1.108	.0134	1.894	.0323
#1	-.0007	74.36	.2218	-.0076	.0324	.5048	.0048	89.90	.0072	.0571
#2	-.0009	74.45	.2208	-.0082	.0326	.5042	.0049	89.91	.0074	.0571

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1870	.6676	188.8	10.41	31.31	2.573	.0134	1.590	.1625	1.045
Stddev	.0005	.0029	.3	.03	.07	.003	.0002	.010	.0002	.004
%RSD	.2572	.4317	.1620	.2538	.2240	.1219	1.652	.6048	.1495	.3609
#1	.1866	.6697	189.0	10.42	31.36	2.575	.0132	1.583	.1627	1.048
#2	.1873	.6656	188.6	10.39	31.26	2.571	.0135	1.597	.1623	1.042

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0050	.0101	.0061	.0057	2.305	.0268	.2377	4.115	-.0017	.2728
Stddev	.0004	.0052	.0011	.0003	.009	.0007	.0001	.013	.0006	.0010
%RSD	8.313	51.51	17.60	4.977	.3793	2.577	.0496	.3049	36.58	.3503
#1	-.0047	.0138	.0054	.0059	2.312	.0273	.2378	4.124	-.0021	.2722
#2	-.0053	.0064	.0069	.0055	2.299	.0263	.2376	4.107	-.0013	.2735

Elem	W_2397	Zn2062	Zr3391
Avg	.0075	1.326	.0291
Stddev	.0034	.004	.0002
%RSD	45.59	.2825	.8045
#1	.0099	1.329	.0289
#2	.0051	1.324	.0293

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1759.5	44228.	17291.
Stddev	11.4	185.	17.
%RSD	.64983	.41833	.09605
#1	1751.4	44359.	17279.
#2	1767.5	44097.	17302.

Zoom In Zoom Out

Sample Name: MC23582-5 Acquired: 8/20/2013 15:46:13 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	69.79	.0974	-.0062	.0356	.5687	.0046	80.71	.0043	.0583
Stddev	.0006	.51	.0004	.0005	.0004	.0048	.0001	.73	.0002	.0004
%RSD	139.6	.7337	.4472	8.384	1.220	.8459	1.391	.8987	5.369	.7702
#1	.0000	70.15	.0977	-.0058	.0353	.5721	.0046	81.22	.0044	.0586
#2	.0008	69.42	.0971	-.0066	.0359	.5653	.0045	80.19	.0041	.0580

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1857	.3648	168.7	11.61	32.57	2.689	.0112	2.349	.1551	.7500
Stddev	.0004	.0007	1.6	.11	.26	.002	.0003	.008	.0005	.0024
%RSD	.1976	.2001	.9693	.9513	.8044	.0849	2.398	.3263	.3512	.3175
#1	.1855	.3653	167.6	11.69	32.75	2.688	.0114	2.354	.1554	.7516
#2	.1860	.3642	169.9	11.53	32.38	2.691	.0110	2.343	.1547	.7483

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0014	.0024	.0048	.0036	2.521	.0253	.2507	4.728	-.0009	.2850
Stddev	.0014	.0004	.0009	.0006	.011	.0006	.0019	.001	.0001	.0040
%RSD	100.4	17.93	18.49	17.26	.4397	2.287	.7543	.0303	10.67	1.405
#1	-.0024	.0027	.0041	.0032	2.529	.0249	.2521	4.727	-.0008	.2821
#2	-.0004	.0021	.0054	.0040	2.513	.0257	.2494	4.729	-.0009	.2878

Elem	W_2397	Zn2062	Zr3391
Avg	-.0011	1.014	.0424
Stddev	.0067	.005	.0001
%RSD	582.7	.5120	.1574
#1	-.0059	1.017	.0423
#2	.0036	1.010	.0424

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1770.4	45240.	17375.
Stddev	4.0	100.	118.
%RSD	.22746	.22179	.67623
#1	1767.6	45311.	17292.
#2	1773.2	45169.	17458.

Zoom In Zoom Out

Sample Name: MC23591-1 Acquired: 8/20/2013 15:50:34 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0016	135.3	.0721	-.0103	.0726	1.037	.0120	364.2	.0052	.0856
Stddev	.0004	.1	.0024	.0004	.0004	.000	.0001	1.7	.0001	.0003
%RSD	26.56	.0903	3.322	4.121	.5303	.0065	.5138	.4747	1.730	.3125
#1	-.0019	135.2	.0704	-.0106	.0723	1.037	.0121	362.9	.0051	.0854
#2	-.0013	135.4	.0738	-.0100	.0729	1.037	.0120	365.4	.0053	.0858

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1721	.1303	207.6	20.31	191.0	5.717	.0049	5.374	.1326	.2024
Stddev	.0002	.0001	1.7	.03	.0	.034	.0003	.007	.0004	.0023
%RSD	.1151	.1151	.8001	.1309	.0213	.5970	5.631	.1378	.2840	1.159
#1	.1720	.1304	208.8	20.29	191.0	5.741	.0047	5.369	.1323	.2007
#2	.1723	.1302	206.4	20.32	190.9	5.693	.0051	5.380	.1328	.2040

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0286	.0162	.0021	-.0012	4.470	.0124	.5488	2.552	.0014	.2856
Stddev	.0028	.0020	.0002	.0009	.011	.0004	.0003	.002	.0017	.0014
%RSD	9.887	12.15	9.796	73.01	.2524	3.589	.0537	.0839	126.0	.4950
#1	-.0266	.0176	.0019	-.0006	4.462	.0121	.5486	2.554	.0001	.2866
#2	-.0306	.0148	.0022	-.0018	4.478	.0127	.5490	2.551	.0026	.2846

Elem	W_2397	Zn2062	Zr3391
Avg	-.0093	1.700	.1104
Stddev	.0041	.003	.0002
%RSD	44.74	.1458	.1806
#1	-.0063	1.698	.1103
#2	-.0122	1.702	.1105

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1930.7	50275.	19726.
Stddev	1.7	428.	62.
%RSD	.08942	.85099	.31221
#1	1929.5	49972.	19682.
#2	1931.9	50577.	19769.

Zoom In Zoom Out

Sample Name: MC23593-1 Acquired: 8/20/2013 15:55:04 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0047	78.31	.0748	-.0090	.0394	.3994	.0036	483.2	.0017	.1152
Stddev	.0003	.10	.0006	.0016	.0002	.0005	.0000	5.3	.0001	.0001
%RSD	5.734	.1311	.8491	18.37	.5137	.1280	.4821	1.102	6.606	.1276
#1	.0049	78.39	.0752	-.0101	.0393	.3998	.0036	487.0	.0017	.1151
#2	.0045	78.24	.0743	-.0078	.0396	.3991	.0036	479.4	.0018	.1153

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2568	.3931	233.7	8.003	242.1	3.431	.0425	3.007	.2186	.1227
Stddev	.0008	.0012	1.5	.059	.4	.002	.0004	.036	.0002	.0023
%RSD	.3025	.3066	.6396	.7358	.1460	.0499	.9235	1.207	.0826	1.875
#1	.2563	.3922	234.7	8.045	242.3	3.432	.0422	3.032	.2185	.1243
#2	.2574	.3939	232.6	7.961	241.8	3.430	.0427	2.981	.2188	.1211

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0358	.0056	.0011	.0015	1.778	.0105	.4236	.7849	.0039	.1515
Stddev	.0032	.0030	.0014	.0005	.001	.0003	.0000	.0003	.0010	.0013
%RSD	8.836	53.77	124.3	31.35	.0606	2.860	.0116	.0360	25.00	.8588
#1	-.0336	.0034	.0001	.0012	1.779	.0103	.4236	.7851	.0046	.1506
#2	-.0381	.0077	.0021	.0019	1.778	.0107	.4235	.7847	.0032	.1524

Elem	W_2397	Zn2062	Zr3391
Avg	-.0005	.4750	.0680
Stddev	.0003	.0001	.0007
%RSD	55.58	.0301	1.075
#1	-.0008	.4749	.0675
#2	-.0003	.4751	.0685

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1692.6	43645.	17134.
Stddev	1.3	170.	1.
%RSD	.07473	.38852	.00631
#1	1693.4	43525.	17135.
#2	1691.7	43765.	17134.

Zoom In Zoom Out

Sample Name: MC23593-2 Acquired: 8/20/2013 15:59:29 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0014	127.1	.1136	-.0140	.0246	1.011	.0056	40.90	.0024	.1178
Stddev	.0001	.3	.0006	.0004	.0001	.004	.0000	.11	.0002	.0005
%RSD	8.212	.2113	.5720	3.060	.2266	.3646	.8740	.2728	6.750	.4026
#1	-.0015	127.3	.1131	-.0143	.0245	1.013	.0057	40.98	.0025	.1181
#2	-.0014	126.9	.1140	-.0137	.0246	1.008	.0056	40.82	.0023	.1175

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1759	.1322	246.9	9.531	37.50	8.378	.0061	.5405	.2229	.2514
Stddev	.0008	.0016	1.5	.033	.07	.057	.0000	.0069	.0003	.0001
%RSD	.4642	1.216	.5896	.3487	.1795	.6816	.6867	1.269	.1241	.0425
#1	.1765	.1334	245.8	9.508	37.55	8.418	.0061	.5357	.2231	.2515
#2	.1753	.1311	247.9	9.555	37.45	8.337	.0061	.5454	.2227	.2513

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0024	.0259	.0012	-.0019	2.847	.0055	.1272	.7265	.0022	.1931
Stddev	.0008	.0037	.0004	.0010	.003	.0007	.0007	.0006	.0003	.0007
%RSD	32.32	14.37	35.46	51.82	.1022	12.48	.5702	.0767	13.25	.3670
#1	-.0019	.0232	.0014	-.0027	2.849	.0050	.1277	.7269	.0020	.1926
#2	-.0030	.0285	.0009	-.0012	2.845	.0060	.1267	.7261	.0024	.1936

Elem	W_2397	Zn2062	Zr3391
Avg	-.0085	.5732	.0209
Stddev	.0095	.0015	.0001
%RSD	111.7	.2676	.4799
#1	-.0018	.5743	.0209
#2	-.0152	.5722	.0210

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1819.2	46188.	18045.
Stddev	3.5	6.	36.
%RSD	.19149	.01394	.20199
#1	1821.6	46193.	18070.
#2	1816.7	46183.	18019.

Zoom In Zoom Out

Sample Name: MC23594-1 Acquired: 8/20/2013 16:03:54 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	79.06	.1077	-.0110	.0639	.5546	.0053	103.1	.0037	.0900
Stddev	.0007	.77	.0001	.0004	.0004	.0054	.0000	.9	.0001	.0000
%RSD	103.4	.9725	.0688	3.439	.7031	.9658	.8372	.8256	3.607	.0205
#1	-.0012	78.52	.1077	-.0113	.0635	.5508	.0052	102.5	.0036	.0900
#2	-.0002	79.61	.1076	-.0108	.0642	.5584	.0053	103.7	.0038	.0900

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1556	1.000	231.6	10.00	45.29	4.138	.0318	.7677	.1811	.3853
Stddev	.0007	.001	1.6	.10	.47	.029	.0003	.0042	.0006	.0003
%RSD	.4488	.1165	.6733	1.037	1.030	.7068	1.082	.5484	.3240	.0838
#1	.1551	1.001	232.7	9.930	44.96	4.117	.0320	.7647	.1815	.3855
#2	.1561	.9992	230.5	10.08	45.62	4.158	.0315	.7707	.1807	.3851

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0068	.0079	.0065	.0026	2.077	.0270	2.904	1.135	-.0008	.1437
Stddev	.0007	.0086	.0007	.0005	.005	.0000	.039	.001	.0003	.0029
%RSD	9.527	108.6	10.30	17.67	.2375	.0615	1.345	.1180	34.28	2.040
#1	-.0064	.0018	.0070	.0023	2.080	.0270	2.932	1.134	-.0010	.1417
#2	-.0073	.0140	.0061	.0029	2.073	.0270	2.877	1.136	-.0006	.1458

Elem	W_2397	Zn2062	Zr3391
Avg	.0002	.6250	.0781
Stddev	.0066	.0007	.0009
%RSD	3808.	.1190	1.109
#1	.0048	.6255	.0775
#2	-.0045	.6245	.0787

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1744.4	44542.	17373.
Stddev	4.8	308.	90.
%RSD	.27524	.69216	.52041
#1	1741.0	44760.	17437.
#2	1747.8	44324.	17310.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/20/2013 16:08:25 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2562	10.05	2.033	-.0021	2.015	1.982	1.967	10.08	2.055	2.129
Stddev	.0010	.00	.002	.0017	.001	.001	.000	.00	.001	.001
%RSD	.3941	.0473	.1012	80.93	.0276	.0309	.0001	.0401	.0645	.0542
#1	.2554	10.05	2.035	-.0009	2.015	1.982	1.967	10.08	2.054	2.128
#2	.2569	10.05	2.032	-.0033	2.015	1.981	1.967	10.08	2.056	2.130

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.039	2.027	10.06	10.08	9.871	2.005	2.033	10.05	2.001	1.999
Stddev	.002	.005	.03	.03	.033	.002	.003	.01	.000	.001
%RSD	.1183	.2362	.2976	.2866	.3385	.1187	.1464	.0733	.0189	.0612
#1	2.041	2.031	10.03	10.06	9.847	2.003	2.031	10.05	2.000	2.000
#2	2.037	2.024	10.08	10.10	9.894	2.006	2.035	10.04	2.001	1.998

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0002	.0051	2.037	2.031	1.165	2.019	2.002	2.023	2.046	2.035
Stddev	.0008	.0022	.003	.004	.001	.002	.000	.003	.000	.002
%RSD	501.8	43.61	.1653	.1979	.0407	.1195	.0009	.1431	.0196	.0773
#1	.0007	.0067	2.035	2.028	1.165	2.020	2.002	2.021	2.045	2.033
#2	-.0004	.0035	2.040	2.033	1.166	2.017	2.002	2.025	2.046	2.036

Elem	W_2397	Zn2062	Zr3391
Avg	.0132	2.030	-.0030
Stddev	.0051	.002	.0002
%RSD	38.76	.0847	8.074
#1	.0168	2.031	-.0028
#2	.0096	2.028	-.0032

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1672.8	41877.	16198.
Stddev	2.6	67.	13.
%RSD	.15751	.15924	.08102
#1	1674.7	41924.	16208.
#2	1671.0	41830.	16189.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/20/2013 16:12:35 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0007	-.0087	.0006	-.0007	.0021	.0003	.0001	.0049	.0002	-.0001
Stddev	.0006	.0063	.0015	.0006	.0004	.0001	.0001	.0020	.0002	.0001
%RSD	78.53	72.46	223.7	90.57	16.87	42.41	175.0	41.62	88.85	61.31
#1	.0011	-.0042	-.0004	-.0011	.0023	.0002	.0000	.0034	.0001	-.0002
#2	.0003	-.0131	.0017	-.0002	.0018	.0005	.0001	.0063	.0003	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	-.0014	.0036	.0999	-.0029	.0001	.0021	.0224	.0002	.0004
Stddev	.0012	.0001	.0011	.0009	.0074	.0000	.0007	.0011	.0003	.0003
%RSD	505.7	5.006	29.24	.9377	253.1	36.95	31.73	4.709	143.4	65.44
#1	.0010	-.0015	.0029	.1005	-.0081	.0001	.0026	.0231	.0004	.0006
#2	-.0006	-.0014	.0043	.0992	.0023	.0001	.0017	.0216	.0000	.0002

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0008	.0006	-.0004	-.0002	.0024	.0006	.0002	.0003	.0002	-.0002
Stddev	.0017	.0058	.0013	.0009	.0000	.0009	.0000	.0004	.0003	.0007
%RSD	228.7	920.6	304.8	351.8	.9404	136.3	4.567	108.3	213.4	311.9
#1	.0020	-.0035	.0005	.0004	.0023	.0012	.0002	.0006	-.0001	-.0008
#2	-.0005	.0047	-.0013	-.0009	.0024	.0000	.0002	.0001	.0004	.0003

Elem	W_2397	Zn2062	Zr3391
Avg	-.0063	.0000	.0003
Stddev	.0078	.0000	.0002
%RSD	124.9	115.0	45.63
#1	-.0118	.0000	.0002
#2	-.0007	.0000	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1678.3	42094.	15982.
Stddev	5.4	228.	1.
%RSD	.32155	.54178	.00878
#1	1674.5	41933.	15981.
#2	1682.2	42255.	15983.

Zoom In Zoom Out

Sample Name: MC23602-1 Acquired: 8/20/2013 16:25:48 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0015	135.4	.1314	-.0048	.0164	.2219	.0054	6.758	.0019	.0530
Stddev	.0000	.2	.0006	.0020	.0000	.0010	.0001	.011	.0000	.0002
%RSD	.1985	.1715	.4941	42.76	.0377	.4441	1.286	.1655	2.088	.3130
#1	-.0015	135.5	.1319	-.0062	.0164	.2226	.0055	6.766	.0019	.0528
#2	-.0015	135.2	.1309	-.0033	.0164	.2212	.0054	6.750	.0019	.0531

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2244	.0639	127.3	8.336	32.91	1.265	.0034	1.921	.1294	.0608
Stddev	.0014	.0002	.2	.029	.07	.007	.0000	.010	.0002	.0018
%RSD	.6108	.3203	.1923	.3442	.2026	.5900	.8911	.5049	.1929	2.899
#1	.2253	.0641	127.5	8.356	32.96	1.270	.0034	1.928	.1292	.0596
#2	.2234	.0638	127.1	8.316	32.86	1.259	.0033	1.914	.1296	.0621

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0005	.0077	.0017	.0019	2.823	-.0047	.0576	7.754	-.0001	.2093
Stddev	.0016	.0060	.0002	.0014	.001	.0002	.0000	.044	.0001	.0007
%RSD	321.7	77.56	13.46	73.98	.0332	3.818	.0072	.5737	50.93	.3229
#1	.0016	.0035	.0015	.0028	2.823	-.0048	.0576	7.785	-.0001	.2097
#2	-.0006	.0119	.0019	.0009	2.822	-.0045	.0576	7.722	-.0001	.2088

Elem	W_2397	Zn2062	Zr3391
Avg	-.0103	.2355	.0265
Stddev	.0040	.0007	.0003
%RSD	39.10	.2996	1.028
#1	-.0131	.2360	.0263
#2	-.0074	.2350	.0267

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1787.5	44280.	17455.
Stddev	3.7	545.	33.
%RSD	.20843	1.2308	.18818
#1	1784.9	43894.	17479.
#2	1790.1	44665.	17432.

Zoom In Zoom Out

Sample Name: MC23602-2 Acquired: 8/20/2013 16:30:03 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0012	104.2	.1212	-.0051	.0559	.3195	.0033	36.96	.0024	.0878
Stddev	.0007	.1	.0020	.0008	.0003	.0003	.0001	.01	.0001	.0000
%RSD	57.08	.1138	1.666	16.42	.5666	.0914	2.169	.0400	5.194	.0190
#1	-.0017	104.2	.1198	-.0057	.0562	.3197	.0033	36.95	.0025	.0878
#2	-.0007	104.3	.1227	-.0045	.0557	.3193	.0034	36.97	.0023	.0878

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1983	.2745	159.4	12.90	51.92	1.623	.0031	5.175	.1611	.2327
Stddev	.0022	.0026	.3	.05	.63	.001	.0001	.012	.0004	.0016
%RSD	1.089	.9344	.1907	.4042	1.216	.0794	4.009	.2260	.2340	.6867
#1	.1968	.2727	159.2	12.93	52.36	1.624	.0032	5.183	.1608	.2316
#2	.1998	.2764	159.6	12.86	51.47	1.622	.0030	5.167	.1613	.2338

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0018	.0022	.0017	.0028	2.490	-.0044	.1801	8.728	-.0003	.4158
Stddev	.0008	.0062	.0003	.0001	.002	.0002	.0000	.003	.0003	.0030
%RSD	46.32	279.7	16.76	3.282	.0889	5.019	.0051	.0327	108.4	.7206
#1	.0024	-.0022	.0019	.0027	2.492	-.0045	.1801	8.730	-.0001	.4137
#2	.0012	.0066	.0015	.0028	2.488	-.0042	.1801	8.726	-.0006	.4180

Elem	W_2397	Zn2062	Zr3391
Avg	-.0081	.5792	.0560
Stddev	.0068	.0008	.0002
%RSD	83.25	.1334	.3001
#1	-.0129	.5787	.0561
#2	-.0033	.5798	.0558

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1775.6	44692.	17413.
Stddev	5.1	3.	106.
%RSD	.28672	.00634	.60615
#1	1779.2	44694.	17339.
#2	1772.0	44690.	17488.

Zoom In Zoom Out

Sample Name: MC23602-3 Acquired: 8/20/2013 16:34:16 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0008	88.20	.1836	-.0036	.0081	.2727	.0040	10.15	.0026	.0517
Stddev	.0001	.03	.0011	.0003	.0006	.0003	.0000	.00	.0000	.0004
%RSD	12.01	.0303	.6132	8.469	6.848	.0934	.5361	.0238	.1179	.8429
#1	-.0008	88.18	.1844	-.0034	.0077	.2725	.0040	10.15	.0026	.0514
#2	-.0009	88.22	.1828	-.0038	.0085	.2729	.0040	10.15	.0026	.0521

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2054	.0824	104.4	12.55	30.94	1.960	.0025	2.042	.1579	.0516
Stddev	.0029	.0010	.0	.02	.27	.006	.0003	.014	.0006	.0007
%RSD	1.405	1.187	.0393	.1921	.8591	.2902	12.76	.6666	.4022	1.398
#1	.2034	.0817	104.4	12.53	31.13	1.956	.0027	2.052	.1575	.0521
#2	.2074	.0831	104.3	12.56	30.76	1.964	.0023	2.033	.1584	.0511

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0026	.0062	-.0002	.0010	2.091	-.0018	.0426	4.653	.0017	.1584
Stddev	.0002	.0034	.0004	.0001	.001	.0003	.0003	.013	.0012	.0001
%RSD	6.320	55.47	234.3	9.339	.0302	18.50	.7901	.2748	67.20	.0621
#1	.0024	.0038	.0001	.0011	2.091	-.0020	.0428	4.644	.0026	.1583
#2	.0027	.0086	-.0005	.0010	2.092	-.0016	.0423	4.662	.0009	.1584

Elem	W_2397	Zn2062	Zr3391
Avg	-.0106	.2163	.0200
Stddev	.0026	.0011	.0007
%RSD	24.41	.5306	3.662
#1	-.0088	.2155	.0194
#2	-.0125	.2172	.0205

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1791.5	45250.	17493.
Stddev	4.4	295.	147.
%RSD	.24302	.65095	.83917
#1	1794.6	45458.	17389.
#2	1788.5	45041.	17597.

Zoom In Zoom Out

Sample Name: MC23602-4 Acquired: 8/20/2013 16:38:32 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	92.95	.2019	-.0029	.0204	.3100	.0033	19.10	.0028	.0340
Stddev	.0002	.10	.0006	.0002	.0006	.0004	.0000	.03	.0001	.0001
%RSD	194.3	.1108	.3044	8.510	3.163	.1146	.4118	.1621	4.893	.2675
#1	.0000	93.02	.2024	-.0031	.0200	.3097	.0033	19.12	.0029	.0339
#2	-.0003	92.88	.2015	-.0027	.0209	.3102	.0033	19.08	.0027	.0341

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2572	.0633	96.08	11.10	31.05	1.305	.0059	5.290	.1295	.1029
Stddev	.0002	.0010	.09	.10	.28	.001	.0001	.004	.0005	.0008
%RSD	.0880	1.548	.0917	.9452	.9120	.0406	2.296	.0801	.3993	.7574
#1	.2571	.0640	96.14	11.02	30.85	1.305	.0060	5.293	.1291	.1024
#2	.2574	.0626	96.01	11.17	31.25	1.305	.0058	5.287	.1298	.1035

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0023	.0027	.0006	.0043	2.454	.0121	.1047	5.460	.0003	.1801
Stddev	.0018	.0014	.0016	.0014	.002	.0003	.0001	.001	.0008	.0007
%RSD	78.63	52.05	283.0	33.30	.0911	2.697	.1009	.0192	273.9	.3853
#1	.0035	.0037	-.0006	.0033	2.453	.0119	.1047	5.461	-.0003	.1806
#2	.0010	.0017	.0017	.0053	2.456	.0124	.1046	5.459	.0008	.1796

Elem	W_2397	Zn2062	Zr3391
Avg	-.0074	.2597	.0100
Stddev	.0022	.0004	.0001
%RSD	30.55	.1392	1.092
#1	-.0089	.2600	.0101
#2	-.0058	.2595	.0099

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1741.2	43476.	17152.
Stddev	.7	103.	88.
%RSD	.03837	.23657	.51500
#1	1741.7	43403.	17090.
#2	1740.7	43549.	17214.

Zoom In Zoom Out

Sample Name: MC23630-1 Acquired: 8/20/2013 16:42:47 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	68.69	.1286	-.0139	.1998	1.013	.0040	92.05	.0041	.1120
Stddev	.0010	.23	.0016	.0003	.0007	.002	.0001	.28	.0002	.0004
%RSD	377.0	.3349	1.229	1.991	.3452	.2190	1.297	.3066	4.276	.3940
#1	.0010	68.52	.1275	-.0137	.1993	1.011	.0040	91.85	.0040	.1123
#2	-.0004	68.85	.1297	-.0141	.2003	1.014	.0041	92.25	.0042	.1117

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.220	.5512	291.6	10.46	22.98	11.14	.1192	12.92	.7842	.8108
Stddev	.000	.0030	6.6	.09	.12	.12	.0006	.02	.0008	.0002
%RSD	.0072	.5513	2.279	.8649	.5090	1.036	.5020	.1322	.0988	.0192
#1	1.220	.5491	286.9	10.40	23.06	11.06	.1188	12.91	.7837	.8107
#2	1.220	.5534	296.3	10.53	22.89	11.22	.1196	12.93	.7848	.8109

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0065	.0382	.0086	.0055	2.997	.0749	.3660	1.039	.0041	.2066
Stddev	.0018	.0023	.0000	.0020	.003	.0002	.0017	.003	.0012	.0013
%RSD	28.03	5.911	.4583	36.14	.1128	.3159	.4552	.2531	29.80	.6283
#1	-.0078	.0398	.0086	.0041	2.999	.0747	.3648	1.037	.0050	.2056
#2	-.0052	.0366	.0085	.0069	2.994	.0750	.3672	1.041	.0032	.2075

Elem	W_2397	Zn2062	Zr3391
Avg	.0806	1.197	.0731
Stddev	.0120	.000	.0001
%RSD	14.88	.0162	.1505
#1	.0722	1.197	.0730
#2	.0891	1.196	.0732

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1761.4	44805.	17444.
Stddev	1.3	120.	21.
%RSD	.07220	.26712	.12126
#1	1760.5	44890.	17429.
#2	1762.3	44720.	17459.

Zoom In Zoom Out

Sample Name: MP21521-PS1 Acquired: 8/20/2013 16:48:46 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0010	104.7	.0983	-.0049	.0072	.4680	.0039	10.05	.0015	.0720
Stddev	.0001	.5	.0007	.0003	.0002	.0017	.0000	.05	.0002	.0004
%RSD	10.78	.4924	.7087	6.160	3.438	.3702	1.134	.4532	15.92	.5385
#1	-.0009	105.1	.0988	-.0046	.0073	.4693	.0038	10.09	.0017	.0718
#2	-.0010	104.4	.0978	-.0051	.0070	.4668	.0039	10.02	.0014	.0723

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2804	.3099	145.4	29.55	47.84	2.301	.0039	7.289	.1825	.1159
Stddev	.0035	.0053	.7	.18	.29	.003	.0002	.017	.0003	.0003
%RSD	1.263	1.710	.4957	.6203	.6167	.1286	5.873	.2351	.1675	.2916
#1	.2830	.3136	145.9	29.68	48.05	2.303	.0040	7.301	.1823	.1161
#2	.2779	.3062	144.9	29.42	47.63	2.299	.0037	7.277	.1827	.1156

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0031	.0058	.0205	.0000	2.131	-.0059	.0486	7.238	.0059	.2400
Stddev	.0029	.0002	.0004	.0008	.001	.0001	.0006	.012	.0003	.0054
%RSD	94.12	3.199	1.773	2311.	.0222	2.135	1.137	.1612	5.153	2.240
#1	.0052	.0057	.0208	-.0005	2.130	-.0060	.0490	7.246	.0061	.2438
#2	.0010	.0059	.0203	.0006	2.131	-.0058	.0482	7.230	.0057	.2362

Elem	W_2397	Zn2062	Zr3391
Avg	-.0139	.3173	.0148
Stddev	.0045	.0002	.0000
%RSD	32.17	.0699	.1843
#1	-.0171	.3172	.0148
#2	-.0108	.3175	.0148

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1770.0	44799.	17243.
Stddev	2.4	90.	5.
%RSD	.13673	.20152	.02965
#1	1771.7	44735.	17239.
#2	1768.3	44863.	17246.

Zoom In Zoom Out

Sample Name: RINSECONF Acquired: 8/20/2013 16:53:01 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	-.0036	.0010	-.0007	.0004	.0001	.0000	.0013	.0001	.0000
Stddev	.0002	.0013	.0005	.0009	.0002	.0000	.0001	.0007	.0000	.0000
%RSD	55.63	35.58	48.20	125.9	46.60	24.47	320.3	50.09	21.45	36.41
#1	.0002	-.0046	.0013	-.0014	.0005	.0001	.0000	.0009	.0001	.0000
#2	.0005	-.0027	.0006	-.0001	.0003	.0001	.0001	.0018	.0002	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	-.0010	.0118	.1462	.0064	.0001	-.0003	.0305	.0003	.0004
Stddev	.0002	.0003	.0005	.0207	.0024	.0000	.0001	.0004	.0001	.0005
%RSD	66.26	28.03	4.590	14.17	36.72	63.81	31.21	1.150	19.57	128.7
#1	-.0005	-.0008	.0122	.1609	.0047	.0001	-.0003	.0302	.0002	.0007
#2	-.0002	-.0012	.0114	.1316	.0081	.0000	-.0004	.0307	.0003	.0000

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0006	.0098	-.0001	.0001	.0024	-.0004	.0000	.0014	-.0007	-.0006
Stddev	.0033	.0019	.0007	.0002	.0001	.0002	.000	.0003	.0002	.0005
%RSD	558.2	19.79	910.0	229.5	4.703	50.93	1088.	20.36	34.27	78.08
#1	.0029	.0085	.0004	.0002	.0025	-.0002	.0001	.0016	-.0005	-.0010
#2	-.0017	.0112	-.0006	.0000	.0023	-.0005	-.0001	.0012	-.0009	-.0003

Elem	W_2397	Zn2062	Zr3391
Avg	-.0122	.0001	.0007
Stddev	.0026	.0001	.0002
%RSD	21.34	148.6	30.54
#1	-.0140	.0000	.0005
#2	-.0104	.0001	.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1709.8	42783.	16107.
Stddev	14.0	109.	164.
%RSD	.82027	.25516	1.0170
#1	1699.9	42860.	16223.
#2	1719.7	42706.	15991.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 8/20/2013 16:57:23 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0060	.2209	.0117	-.0003	.0987	.0518	.0042	5.183	.0045	.0545
Stddev	.0001	.0087	.0008	.0013	.0001	.0003	.0000	.063	.0000	.0001
%RSD	2.037	3.957	6.478	381.3	.0621	.5878	.0052	1.216	1.087	.1477
#1	.0059	.2147	.0122	.0006	.0987	.0516	.0042	5.139	.0044	.0545
#2	.0060	.2271	.0111	-.0013	.0987	.0521	.0042	5.228	.0045	.0544

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0099	.0247	.1064	5.232	4.985	.0159	.1043	5.098	.0415	.0109
Stddev	.0002	.0000	.0016	.055	.075	.0001	.0002	.005	.0000	.0000
%RSD	1.588	.1978	1.503	1.048	1.503	.5015	.1776	.1037	.0726	.3337
#1	.0098	.0246	.1052	5.193	4.932	.0159	.1042	5.095	.0416	.0109
#2	.0100	.0247	.1075	5.270	5.038	.0160	.1044	5.102	.0415	.0109

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0004	.0024	.0113	.0102	-.0490	.1018	.0105	.0530	.0100	.0101
Stddev	.0004	.0076	.0005	.0002	.0004	.0000	.0001	.0003	.0006	.0001
%RSD	99.14	316.1	4.791	1.757	.8887	.0084	1.279	.5697	6.141	1.349
#1	.0001	.0078	.0109	.0101	-.0487	.1018	.0104	.0532	.0096	.0100
#2	.0007	-.0030	.0117	.0103	-.0493	.1018	.0106	.0528	.0105	.0102

Elem	W_2397	Zn2062	Zr3391
Avg	-.0043	.0219	.0012
Stddev	.0138	.0004	.0001
%RSD	319.9	1.619	11.81
#1	-.0141	.0216	.0011
#2	.0054	.0221	.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1710.1	43279.	16433.
Stddev	4.3	116.	60.
%RSD	.25096	.26897	.36812
#1	1713.1	43362.	16391.
#2	1707.0	43197.	16476.

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/20/2013 17:01:42 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0058	.2125	.0034	-.0003	.0975	.0512	.0042	5.169	.0043
Stddev	.0002	.0044	.0006	.0007	.0008	.0005	.0001	.039	.0001
%RSD	3.439	2.081	19.11	235.5	.8431	1.003	2.948	.7442	2.193
#1	.0057	.2094	.0038	-.0008	.0969	.0516	.0043	5.196	.0042
#2	.0060	.2156	.0029	.0002	.0981	.0509	.0041	5.142	.0044

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0540	.0098	.0230	.1080	5.280	5.077	.0156	.1036	5.093
Stddev	.0002	.0004	.0001	.0034	.022	.019	.0001	.0001	.001
%RSD	.3346	3.794	.5766	3.119	.4156	.3735	.4192	.0988	.0121
#1	.0542	.0100	.0231	.1104	5.264	5.090	.0156	.1036	5.094
#2	.0539	.0095	.0229	.1056	5.295	5.063	.0156	.1035	5.093

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0414	.0060	-.0010	.0042	.0060	.0106	-.0517	.1009	.0106
Stddev	.0002	.0004	.0009	.0046	.0003	.0006	.0004	.0002	.0000
%RSD	.4313	6.884	87.74	108.6	5.481	6.103	.7903	.1963	.2049
#1	.0413	.0057	-.0017	.0074	.0058	.0110	-.0514	.1011	.0106
#2	.0415	.0063	-.0004	.0010	.0062	.0101	-.0520	.1008	.0106

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0514	F.0033	.0101	-.0122	.0211	.0004
Stddev	.0008	.0001	.0003	.0097	.0001	.0002
%RSD	1.518	3.845	2.585	79.21	.5224	36.81
#1	.0508	.0034	.0099	-.0190	.0212	.0003
#2	.0519	.0032	.0103	-.0054	.0211	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1693.8	42572.	16203.
Stddev	.5	11.	18.
%RSD	.03072	.02533	.11415
#1	1694.1	42580.	16190.
#2	1693.4	42565.	16216.

Zoom In Zoom Out

Sample Name: MP21518-B1 Acquired: 8/20/2013 17:06:00 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2130	2.183	.5529	-.0013	-.0002	2.057	.5189	25.64	.5370	.5426
Stddev	.0011	.003	.0009	.0001	.0000	.002	.0004	.02	.0001	.0003
%RSD	.5124	.1183	.1693	6.442	12.72	.1028	.0829	.0816	.0176	.0501
#1	.2123	2.185	.5536	-.0012	-.0002	2.059	.5186	25.63	.5370	.5424
#2	.2138	2.181	.5523	-.0013	-.0003	2.056	.5192	25.66	.5371	.5428

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5504	.5156	2.070	26.08	25.89	.5158	.0003	26.05	.5116	1.026
Stddev	.0011	.0018	.009	.03	.06	.0011	.0001	.01	.0001	.001
%RSD	.1965	.3547	.4288	.1208	.2365	.2168	38.38	.0352	.0238	.0474
#1	.5512	.5143	2.064	26.06	25.85	.5150	.0002	26.05	.5117	1.027
#2	.5496	.5169	2.077	26.10	25.93	.5166	.0004	26.04	.5115	1.026

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0021	.0034	.5336	.5256	-.0317	-.0011	.5073	.5311	.5355	.5548
Stddev	.0009	.0024	.0011	.0002	.0003	.0005	.0005	.0000	.0030	.0004
%RSD	44.37	70.07	.2098	.0372	.8193	47.30	.1024	.0040	.5583	.0781
#1	-.0028	.0051	.5328	.5254	-.0318	-.0007	.5077	.5311	.5334	.5545
#2	-.0014	.0017	.5344	.5257	-.0315	-.0015	.5070	.5311	.5376	.5551

Elem	W_2397	Zn2062	Zr3391
Avg	-.0050	.5419	-.0011
Stddev	.0016	.0007	.0001
%RSD	31.85	.1315	9.672
#1	-.0061	.5425	-.0010
#2	-.0039	.5414	-.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1679.9	42276.	16186.
Stddev	2.2	3.	56.
%RSD	.13355	.00723	.34335
#1	1678.4	42274.	16225.
#2	1681.5	42278.	16146.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/20/2013 17:10:13 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2553	10.06	2.031	-.0027	2.006	1.976	1.961	10.08	2.048	2.128
Stddev	.0019	.06	.001	.0020	.004	.006	.008	.06	.005	.003
%RSD	.7550	.6133	.0319	71.08	.1898	.2992	.4260	.5990	.2325	.1436
#1	.2539	10.10	2.031	-.0014	2.008	1.980	1.967	10.13	2.051	2.130
#2	.2567	10.01	2.032	-.0041	2.003	1.972	1.955	10.04	2.045	2.126

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.023	2.014	10.04	10.07	9.848	1.989	2.032	10.04	1.995	2.000
Stddev	.000	.006	.05	.01	.080	.001	.002	.06	.006	.006
%RSD	.0175	.3098	.5028	.1200	.8156	.0379	.0773	.5993	.2894	.3275
#1	2.023	2.010	10.08	10.08	9.905	1.990	2.031	10.08	1.999	2.004
#2	2.023	2.019	10.01	10.06	9.791	1.989	2.033	9.997	1.991	1.995

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0012	.0032	2.028	2.023	1.160	2.015	2.002	2.008	2.045	2.022
Stddev	.0013	.0049	.005	.002	.002	.001	.006	.006	.002	.004
%RSD	106.5	150.9	.2443	.1178	.2089	.0410	.2938	.3164	.1150	.1765
#1	.0021	.0067	2.032	2.025	1.162	2.016	2.006	2.003	2.047	2.020
#2	.0003	-.0002	2.025	2.022	1.158	2.015	1.998	2.012	2.044	2.025

Elem	W_2397	Zn2062	Zr3391
Avg	.0051	2.030	-.0038
Stddev	.0038	.004	.0005
%RSD	75.10	.2094	12.82
#1	.0024	2.033	-.0035
#2	.0078	2.027	-.0042

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1687.2	42467.	16159.
Stddev	2.4	375.	266.
%RSD	.14383	.88376	1.6445
#1	1685.5	42201.	15972.
#2	1689.0	42732.	16347.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/20/2013 17:14:24 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	.0001	-.0005	-.0016	.0021	.0005	.0001	.0009	.0001	-.0001
Stddev	.0006	.0039	.0007	.0017	.0004	.0001	.0000	.0027	.0000	.0003
%RSD	116.3	2713.	158.3	104.7	19.76	22.95	54.65	291.4	7.942	311.5
#1	.0001	.0029	.0001	-.0028	.0023	.0004	.0001	.0029	.0001	-.0003
#2	.0009	-.0026	-.0010	-.0004	.0018	.0005	.0000	-.0010	.0001	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0007	-.0016	.0004	.1516	-.0098	-.0001	.0021	.0371	.0004	.0006
Stddev	.0007	.0001	.0004	.0093	.0018	.0000	.0006	.0041	.0002	.0003
%RSD	96.07	6.328	113.1	6.151	18.78	26.49	28.57	11.07	38.82	41.67
#1	-.0012	-.0016	.0001	.1581	-.0111	.0000	.0026	.0342	.0005	.0004
#2	-.0002	-.0015	.0006	.1450	-.0085	-.0001	.0017	.0400	.0003	.0008

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0007	.0023	.0002	-.0002	.0018	.0004	.0001	.0001	.0001	-.0005
Stddev	.0005	.0036	.0004	.0009	.0001	.0001	.0001	.0001	.0017	.0002
%RSD	74.82	151.3	206.1	564.6	5.797	13.86	58.76	202.3	1776.	40.90
#1	.0003	-.0002	-.0001	-.0008	.0019	.0004	.0002	.0002	.0013	-.0006
#2	.0010	.0049	.0005	.0005	.0017	.0004	.0001	.0000	-.0011	-.0004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0064	.0001	.0005
Stddev	.0026	.0001	.0001
%RSD	41.17	135.2	11.00
#1	-.0083	.0002	.0004
#2	-.0046	.0000	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1706.8	43176.	16246.
Stddev	1.8	132.	122.
%RSD	.10326	.30461	.74939
#1	1705.5	43269.	16332.
#2	1708.0	43083.	16160.

Zoom In Zoom Out

Sample Name: MP21518-MB1 Acquired: 8/20/2013 17:18:46 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0020	.0033	.0010	-.0011	-.0011	.0002	.0000	.0008	.0003	-.0003
Stddev	.0002	.0025	.0009	.0002	.0004	.0000	.000	.0008	.0000	.0001
%RSD	8.054	77.02	89.84	15.91	36.27	8.475	140.4	92.00	11.65	25.41
#1	.0021	.0050	.0016	-.0012	-.0008	.0002	.0000	.0003	.0004	-.0003
#2	.0018	.0015	.0004	-.0009	-.0014	.0002	-.0001	.0014	.0003	-.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0001	-.0013	-.0006	.0882	-.0059	.0000	.0005	.0343	-.0001	.0009
Stddev	.0002	.0013	.0006	.0142	.0148	.0000	.0001	.0134	.0001	.0008
%RSD	169.5	103.6	93.08	16.11	251.7	417.1	30.30	39.16	94.60	95.34
#1	.0000	-.0003	-.0011	.0982	-.0163	.0000	.0006	.0438	.0000	.0015
#2	.0003	-.0022	-.0002	.0781	.0046	.0000	.0004	.0248	-.0001	.0003

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0007	.0002	.0003	.0012	-.0200	.0004	.0000	.0000	-.0027	-.0005
Stddev	.0032	.0027	.0000	.0002	.0004	.0002	.0000	.000	.0004	.0005
%RSD	441.3	1236.	3.413	19.15	2.091	53.40	194.6	196.8	14.19	92.65
#1	.0030	-.0017	.0003	.0014	-.0203	.0003	.0000	-.0001	-.0025	-.0002
#2	-.0016	.0021	.0003	.0011	-.0197	.0006	.0001	.0000	-.0030	-.0008

Elem	W_2397	Zn2062	Zr3391
Avg	-.0021	.0000	.0002
Stddev	.0076	.000	.0000
%RSD	357.6	251.3	15.70
#1	.0033	.0000	.0002
#2	-.0075	-.0001	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1701.0	42752.	16330.
Stddev	3.2	59.	138.
%RSD	.18807	.13772	.84655
#1	1698.8	42710.	16428.
#2	1703.3	42794.	16232.

Zoom In Zoom Out

Sample Name: MP21518-S1 Acquired: 8/20/2013 17:23:09 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2052	15.80	.6394	-.0072	.0329	2.182	.5044	50.06	.5230	.5446
Stddev	.0008	.00	.0005	.0004	.0001	.001	.0001	.06	.0001	.0004
%RSD	.3976	.0264	.0836	5.013	.3189	.0497	.0107	.1287	.0148	.0675
#1	.2058	15.80	.6390	-.0069	.0328	2.182	.5044	50.11	.5229	.5443
#2	.2046	15.80	.6398	-.0074	.0330	2.181	.5045	50.02	.5230	.5448

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5436	.5151	29.62	30.59	30.17	6.733	.0022	47.69	.5178	1.006
Stddev	.0016	.0008	.01	.04	.00	.086	.0003	.01	.0004	.000
%RSD	.2990	.1515	.0264	.1286	.0163	1.275	13.81	.0158	.0771	.0077
#1	.5447	.5146	29.62	30.62	30.17	6.794	.0020	47.69	.5180	1.006
#2	.5424	.5157	29.61	30.56	30.18	6.672	.0025	47.70	.5175	1.006

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0017	.0245	.5115	.5069	16.35	-.0013	.8245	.9747	.5207	.5533
Stddev	.0012	.0012	.0013	.0022	.00	.0009	.0005	.0012	.0029	.0056
%RSD	68.58	4.982	.2537	.4341	.0289	64.98	.0597	.1281	.5524	1.014
#1	-.0026	.0237	.5106	.5054	16.35	-.0007	.8242	.9756	.5187	.5573
#2	-.0009	.0254	.5124	.5085	16.35	-.0019	.8249	.9738	.5228	.5494

Elem	W_2397	Zn2062	Zr3391
Avg	-.0019	.8250	-.0017
Stddev	.0037	.0004	.0002
%RSD	189.8	.0431	10.52
#1	.0007	.8252	-.0016
#2	-.0046	.8247	-.0019

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1713.5	43238.	16920.
Stddev	4.0	554.	53.
%RSD	.23349	1.2819	.31585
#1	1716.3	42846.	16882.
#2	1710.6	43630.	16957.

Zoom In Zoom Out

Sample Name: MP21518-S2 Acquired: 8/20/2013 17:27:29 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2088	16.44	.6496	-.0080	.0336	2.200	.5070	50.79	.5296	.5494
Stddev	.0021	.03	.0036	.0012	.0001	.005	.0011	.07	.0011	.0014
%RSD	1.016	.1829	.5599	14.84	.1882	.2401	.2086	.1368	.2143	.2622
#1	.2073	16.42	.6522	-.0072	.0336	2.197	.5063	50.74	.5304	.5504
#2	.2103	16.46	.6470	-.0089	.0335	2.204	.5078	50.84	.5288	.5484

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5479	.5198	30.44	31.06	30.60	6.860	.0020	48.50	.5222	1.015
Stddev	.0035	.0001	.09	.03	.04	.044	.0000	.05	.0012	.001
%RSD	.6398	.0109	.2978	.0884	.1416	.6427	2.333	.1120	.2239	.0516
#1	.5454	.5197	30.37	31.05	30.57	6.891	.0020	48.46	.5230	1.015
#2	.5504	.5198	30.50	31.08	30.63	6.829	.0019	48.54	.5213	1.016

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0051	.0292	.5163	.5118	16.99	-.0014	.8355	1.002	.5269	.5610
Stddev	.0006	.0032	.0011	.0000	.04	.0004	.0029	.005	.0014	.0068
%RSD	11.12	10.81	.2144	.0059	.2135	28.59	.3415	.4852	.2680	1.221
#1	-.0055	.0314	.5170	.5118	17.01	-.0011	.8335	.9986	.5279	.5562
#2	-.0047	.0270	.5155	.5119	16.96	-.0017	.8376	1.005	.5259	.5659

Elem	W_2397	Zn2062	Zr3391
Avg	-.0067	.8373	-.0009
Stddev	.0018	.0006	.0007
%RSD	27.09	.0746	83.88
#1	-.0054	.8378	-.0004
#2	-.0080	.8369	-.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1697.9	42832.	16712.
Stddev	3.4	27.	129.
%RSD	.19829	.06390	.77308
#1	1695.5	42851.	16621.
#2	1700.3	42812.	16804.

Zoom In Zoom Out

Sample Name: MC23587-3 Acquired: 8/20/2013 17:31:49 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	13.64	.1012	-.0079	.0314	.1908	.0012	25.66	.0021	.0182
Stddev	.0008	.12	.0007	.0008	.0002	.0017	.0001	.19	.0000	.0000
%RSD	166.3	.8800	.6445	9.675	.7673	.9042	5.112	.7436	.9351	.1053
#1	.0001	13.56	.1008	-.0084	.0312	.1895	.0012	25.52	.0021	.0182
#2	-.0010	13.73	.1017	-.0074	.0316	.1920	.0011	25.79	.0021	.0182

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0093	.0128	28.04	6.115	5.493	6.343	.0014	22.67	.0222	.0100
Stddev	.0006	.0009	.27	.003	.082	.005	.0000	.17	.0005	.0008
%RSD	6.164	6.757	.9571	.0503	1.493	.0817	1.630	.7682	2.122	8.031
#1	.0097	.0122	27.85	6.113	5.435	6.347	.0014	22.55	.0218	.0106
#2	.0089	.0134	28.23	6.117	5.551	6.340	.0014	22.79	.0225	.0094

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0013	.0301	.0013	.0017	16.24	-.0002	.3315	.5140	.0002	.0165
Stddev	.0030	.0050	.0002	.0012	.02	.0000	.0032	.0048	.0019	.0006
%RSD	232.0	16.49	13.61	71.35	.0943	6.967	.9610	.9383	806.9	3.831
#1	-.0034	.0265	.0012	.0009	16.23	-.0002	.3292	.5106	.0016	.0160
#2	.0008	.0336	.0014	.0026	16.25	-.0001	.3337	.5174	-.0011	.0169

Elem	W_2397	Zn2062	Zr3391
Avg	-.0048	.3111	-.0016
Stddev	.0060	.0001	.0005
%RSD	125.1	.0174	28.39
#1	-.0006	.3112	-.0019
#2	-.0091	.3111	-.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1735.4	43231.	17055.
Stddev	2.1	498.	77.
%RSD	.12329	1.1510	.45369
#1	1733.9	42879.	17109.
#2	1737.0	43583.	17000.

Zoom In Zoom Out

Sample Name: MP21518-SD1 Acquired: 8/20/2013 17:36:13 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0027	14.93	.1063	-.0080	.0429	.2081	.0009	28.94	.0024	.0185
Stddev	.0008	.51	.0032	.0023	.0028	.0067	.0005	1.11	.0008	.0005
%RSD	31.05	3.416	2.970	29.14	6.628	3.221	59.47	3.845	31.97	2.738
#1	.0021	15.29	.1041	-.0063	.0409	.2128	.0005	29.73	.0030	.0189
#2	.0033	14.57	.1086	-.0096	.0449	.2033	.0012	28.16	.0019	.0182

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0072	.0087	31.66	7.167	5.943	6.537	.0019	24.97	.0240	.0120
Stddev	.0020	.0012	1.09	.369	.368	.013	.0001	.88	.0009	.0007
%RSD	27.78	13.59	3.441	5.144	6.195	.1939	3.284	3.515	3.714	6.250
#1	.0086	.0096	32.43	7.427	6.204	6.546	.0019	25.59	.0247	.0114
#2	.0058	.0079	30.89	6.906	5.683	6.528	.0020	24.35	.0234	.0125

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0062	.0197	.0006	.0081	16.59	-.0004	.3744	.5256	.0011	.0157
Stddev	.0000	.0338	.0018	.0008	.00	.0007	.0132	.0030	.0017	.0020
%RSD	.4516	171.4	297.1	9.738	.0137	158.7	3.532	.5768	150.7	12.80
#1	.0062	.0437	-.0007	.0076	16.59	.0001	.3838	.5278	.0023	.0171
#2	.0063	-.0042	.0019	.0087	16.59	-.0009	.3651	.5235	-.0001	.0143

Elem	W_2397	Zn2062	Zr3391
Avg	-.0571	.3361	.0008
Stddev	.0513	.0008	.0007
%RSD	89.76	.2309	83.51
#1	-.0209	.3356	.0013
#2	-.0934	.3367	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1711.6	42803.	15915.
Stddev	3.1	52.	631.
%RSD	.18000	.12169	3.9669
#1	1713.8	42766.	15469.
#2	1709.4	42840.	16361.

Zoom In Zoom Out

Sample Name: MP21518-B2 Acquired: 8/20/2013 17:40:33 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2130	2.184	.5541	-.0014	-.0004	2.052	.5185	25.52	.5362	.5398
Stddev	.0004	.001	.0001	.0003	.0003	.007	.0022	.10	.0005	.0008
%RSD	.1856	.0551	.0133	18.65	73.55	.3330	.4177	.4099	.0893	.1408
#1	.2133	2.185	.5542	-.0012	-.0006	2.056	.5201	25.59	.5366	.5393
#2	.2127	2.184	.5541	-.0016	-.0002	2.047	.5170	25.45	.5359	.5403

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5468	.5119	2.070	25.98	25.80	.5128	.0003	26.00	.5089	1.021
Stddev	.0047	.0001	.008	.06	.15	.0012	.0001	.11	.0009	.001
%RSD	.8635	.0257	.4031	.2364	.5828	.2268	47.23	.4046	.1834	.0725
#1	.5435	.5120	2.076	26.02	25.90	.5119	.0002	26.08	.5082	1.020
#2	.5502	.5118	2.064	25.93	25.69	.5136	.0004	25.93	.5096	1.022

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0012	.0044	.5327	.5251	-.0314	-.0011	.5070	.5276	.5350	.5481
Stddev	.0024	.0015	.0006	.0006	.0003	.0006	.0016	.0073	.0003	.0087
%RSD	192.5	33.33	.1202	.1112	.8224	50.91	.3155	1.381	.0654	1.578
#1	-.0029	.0054	.5323	.5247	-.0312	-.0007	.5081	.5224	.5348	.5420
#2	.0004	.0033	.5332	.5255	-.0316	-.0015	.5059	.5328	.5353	.5542

Elem	W_2397	Zn2062	Zr3391
Avg	-.0066	.5396	-.0007
Stddev	.0048	.0007	.0002
%RSD	73.75	.1223	20.60
#1	-.0031	.5401	-.0008
#2	-.0100	.5391	-.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1671.1	41780.	16196.
Stddev	.8	68.	25.
%RSD	.04901	.16358	.15574
#1	1670.5	41828.	16178.
#2	1671.7	41731.	16214.

Zoom In Zoom Out

Sample Name: MP21518-MB2 Acquired: 8/20/2013 17:44:48 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	.0001	-.0012	-.0005	-.0021	.0003	.0000	.0065	.0002	-.0001
Stddev	.000	.0002	.0010	.0002	.0003	.0001	.0001	.0015	.0001	.0000
%RSD	1675.	139.5	83.17	29.00	14.54	20.45	439.7	22.99	32.96	.9153
#1	.0003	.0003	-.0005	-.0006	-.0019	.0003	.0001	.0055	.0002	-.0001
#2	-.0003	.0000	-.0019	-.0004	-.0023	.0004	.0000	.0076	.0003	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	-.0012	.0031	.1616	.0065	.0001	-.0002	.0535	.0001	.0005
Stddev	.0006	.0002	.0004	.0112	.0162	.0001	.0002	.0110	.0004	.0005
%RSD	770.5	12.55	13.06	6.930	250.2	74.29	123.8	20.55	418.1	102.6
#1	-.0005	-.0011	.0028	.1537	.0179	.0002	.0000	.0613	-.0002	.0008
#2	.0004	-.0014	.0034	.1695	-.0050	.0001	-.0003	.0457	.0003	.0001

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0007	.0049	.0006	.0010	-.0250	.0000	.0001	.0000	-.0045	-.0003
Stddev	.0038	.0114	.0011	.0000	.0004	.0002	.0001	.001	.0002	.0001
%RSD	558.8	233.2	205.9	1.391	1.647	962.3	90.68	2459.	5.151	41.26
#1	.0020	-.0032	.0014	.0010	-.0247	.0002	.0001	.0003	-.0047	-.0002
#2	-.0034	.0129	-.0003	.0009	-.0253	-.0001	.0000	-.0004	-.0043	-.0004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0090	.0004	-.0003
Stddev	.0065	.0001	.0001
%RSD	72.47	22.18	36.75
#1	-.0044	.0004	-.0002
#2	-.0137	.0005	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1692.9	42613.	16255.
Stddev	1.6	176.	65.
%RSD	.09681	.41257	.39840
#1	1694.0	42737.	16301.
#2	1691.7	42489.	16210.

Zoom In Zoom Out

Sample Name: MP21518-MB3 Acquired: 8/20/2013 17:49:11 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0006	.0011	-.0011	-.0011	-.0025	.0002	.0000	.0138	.0002	.0000
Stddev	.0003	.0006	.0010	.0003	.0004	.0001	.000	.0013	.0001	.000
%RSD	41.17	58.89	83.84	22.96	14.73	29.34	36.29	9.528	26.39	58.49
#1	.0004	.0006	-.0005	-.0013	-.0022	.0003	.0000	.0147	.0003	.0000
#2	.0008	.0016	-.0018	-.0009	-.0028	.0002	.0000	.0129	.0002	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0005	-.0009	.0014	.1036	.0025	.0003	.0000	.0686	.0001	.0006
Stddev	.0004	.0006	.0014	.0053	.0051	.0000	.0003	.0008	.0004	.0003
%RSD	93.08	70.94	106.2	5.117	201.3	2.804	1323.	1.169	361.2	41.29
#1	-.0002	-.0014	.0003	.0999	-.0011	.0003	.0002	.0692	.0004	.0008
#2	-.0008	-.0004	.0024	.1074	.0061	.0003	-.0002	.0681	-.0002	.0004

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0008	.0058	.0002	.0017	-.0246	.0003	.0001	-.0005	-.0033	-.0001
Stddev	.0003	.0001	.0002	.0009	.0001	.0000	.0001	.0005	.0006	.0010
%RSD	34.85	2.492	116.1	55.57	.3883	2.684	103.0	89.57	19.22	848.9
#1	.0010	.0060	.0004	.0010	-.0247	.0003	.0001	-.0008	-.0029	.0006
#2	.0006	.0057	.0000	.0024	-.0246	.0003	.0000	-.0002	-.0038	-.0009

Elem	W_2397	Zn2062	Zr3391
Avg	-.0111	.0007	-.0002
Stddev	.0068	.0001	.0004
%RSD	61.41	15.30	257.5
#1	-.0063	.0006	.0001
#2	-.0159	.0007	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1699.8	42612.	16029.
Stddev	2.0	404.	13.
%RSD	.11921	.94714	.08217
#1	1701.3	42327.	16038.
#2	1698.4	42898.	16019.

Zoom In Zoom Out

Sample Name: MC23504-1F Acquired: 8/20/2013 17:53:34 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	.0071	.0035	-.0052	.0250	.0645	.0000	129.8	.0004	.0020
Stddev	.0005	.0008	.0004	.0016	.0002	.0003	.000	.2	.0003	.0003
%RSD	79.04	10.89	10.84	31.56	.8624	.4636	40.44	.1409	61.61	12.52
#1	-.0010	.0077	.0038	-.0064	.0249	.0647	-.0001	129.6	.0006	.0022
#2	-.0003	.0066	.0032	-.0040	.0252	.0643	.0000	129.9	.0002	.0018

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0003	-.0016	15.90	5.902	38.94	4.021	.0005	278.7	.0030	.0005
Stddev	.0006	.0004	.03	.026	.03	.027	.0000	.2	.0002	.0001
%RSD	177.9	24.34	.1990	.4417	.0733	.6820	1.761	.0894	5.659	31.08
#1	.0007	-.0018	15.88	5.883	38.92	4.041	.0005	278.8	.0031	.0006
#2	-.0001	-.0013	15.92	5.920	38.96	4.002	.0005	278.5	.0029	.0004

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0069	.0193	.0004	.0006	4.099	.0036	.8070	.0017	-.0035	-.0001
Stddev	.0025	.0027	.0003	.0004	.010	.0000	.0006	.0001	.0002	.0005
%RSD	36.11	14.23	69.67	62.12	.2460	1.101	.0735	6.071	5.555	405.3
#1	-.0051	.0212	.0002	.0003	4.092	.0037	.8066	.0016	-.0034	.0002
#2	-.0086	.0174	.0006	.0008	4.106	.0036	.8074	.0018	-.0036	-.0005

Elem	W_2397	Zn2062	Zr3391
Avg	-.0096	.0049	-.0008
Stddev	.0027	.0001	.0003
%RSD	28.49	1.267	39.80
#1	-.0116	.0049	-.0006
#2	-.0077	.0048	-.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1660.8	43004.	16128.
Stddev	4.6	102.	69.
%RSD	.27789	.23606	.42714
#1	1664.1	42933.	16177.
#2	1657.5	43076.	16080.

Zoom In Zoom Out

Sample Name: MC23504-2F Acquired: 8/20/2013 17:58:05 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	.0050	.0037	-.0039	.0340	.0445	.0000	87.77	.0005	.0005
Stddev	.0003	.0101	.0000	.0017	.0007	.0002	.0000	.06	.0000	.0001
%RSD	308.3	201.8	.3460	42.86	1.959	.3895	41.50	.0669	9.484	24.65
#1	.0001	.0121	.0037	-.0051	.0345	.0444	.0000	87.81	.0005	.0004
#2	-.0003	-.0021	.0037	-.0027	.0336	.0446	.0000	87.73	.0005	.0006

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	-.0009	17.33	7.314	23.67	2.324	.0003	142.4	.0015	-.0007
Stddev	.0007	.0005	.02	.012	.05	.009	.0000	.1	.0003	.0001
%RSD	365.6	53.93	.1187	.1616	.2216	.4038	15.33	.0800	18.28	20.58
#1	-.0003	-.0013	17.34	7.305	23.64	2.317	.0003	142.3	.0017	-.0008
#2	.0007	-.0006	17.31	7.322	23.71	2.330	.0003	142.5	.0013	-.0006

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0040	.0119	.0015	.0008	3.897	.0084	.5292	.0009	-.0033	-.0001
Stddev	.0009	.0009	.0003	.0000	.001	.0001	.0001	.0004	.0001	.0003
%RSD	21.46	7.305	18.75	2.410	.0149	1.683	.0127	42.92	1.973	286.3
#1	-.0046	.0125	.0013	.0008	3.897	.0085	.5292	.0012	-.0034	.0001
#2	-.0034	.0113	.0016	.0008	3.896	.0083	.5291	.0006	-.0033	-.0003

Elem	W_2397	Zn2062	Zr3391
Avg	-.0033	.0105	-.0006
Stddev	.0007	.0000	.0004
%RSD	21.51	.1227	67.31
#1	-.0039	.0105	-.0009
#2	-.0028	.0105	-.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1666.7	42779.	16289.
Stddev	4.7	548.	45.
%RSD	.28267	1.2815	.27684
#1	1670.0	43167.	16257.
#2	1663.4	42392.	16321.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/20/2013 18:02:31 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2498	10.00	2.025	-.0037	1.999	1.967	1.952	10.03	2.049	2.120
Stddev	.0177	.06	.006	.0001	.000	.015	.014	.09	.000	.001
%RSD	7.071	.6174	.3002	1.467	.0168	.7455	.7144	.8635	.0182	.0667
#1	.2623	9.961	2.021	-.0037	1.999	1.956	1.942	9.972	2.049	2.119
#2	.2373	10.05	2.030	-.0036	1.999	1.977	1.962	10.09	2.049	2.121

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.972	1.968	9.964	10.02	9.826	1.942	2.025	10.09	1.986	1.992
Stddev	.147	.139	.086	.06	.060	.143	.003	.07	.002	.001
%RSD	7.454	7.074	.8578	.5920	.6066	7.354	.1566	.6779	.0855	.0348
#1	2.076	2.067	9.904	9.974	9.783	2.043	2.023	10.04	1.987	1.993
#2	1.868	1.870	10.02	10.06	9.868	1.841	2.027	10.13	1.985	1.992

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0033	.0131	2.026	2.017	1.162	2.005	1.988	1.959	2.040	1.971
Stddev	.0010	.0004	.004	.002	.007	.003	.014	.139	.003	.141
%RSD	30.35	2.865	.1790	.1117	.5797	.1425	.7167	7.113	.1557	7.144
#1	.0026	.0128	2.023	2.018	1.157	2.007	1.977	2.058	2.042	2.071
#2	.0041	.0133	2.028	2.015	1.167	2.003	1.998	1.861	2.037	1.871

Elem	W_2397	Zn2062	Zr3391
Avg	.0089	2.022	-.0046
Stddev	.0062	.001	.0004
%RSD	68.85	.0224	8.959
#1	.0133	2.022	-.0043
#2	.0046	2.022	-.0049

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1676.3	42925.	16010.
Stddev	1.2	2941.	185.
%RSD	.07168	6.8504	1.1558
#1	1675.5	40846.	16141.
#2	1677.2	45005.	15880.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/20/2013 18:06:45 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0005	.0019	-.0001	-.0005	.0020	.0003	.0002	.0029	F.0005
Stddev	.0002	.0088	.0003	.0004	.0001	.0002	.0001	.0025	.0001
%RSD	39.61	466.5	200.5	67.77	7.091	63.64	63.81	87.31	11.01
#1	.0006	-.0043	-.0003	-.0003	.0021	.0002	.0001	.0011	.0004
#2	.0003	.0081	.0001	-.0008	.0019	.0005	.0002	.0047	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	.0002	-.0016	.0024	.0789	-.0087	.0001	.0024	.0802
Stddev	.0003	.0000	.0016	.0018	.0283	.0188	.0001	.0007	.0059
%RSD	142.6	10.02	101.1	73.01	35.88	216.1	156.7	29.97	7.380
#1	.0004	.0002	-.0028	.0012	.0589	.0046	.0000	.0029	.0760
#2	.0000	.0002	-.0005	.0037	.0989	-.0220	.0001	.0019	.0844

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0004	.0001	-.0007	.0047	-.0002	-.0003	.0007	.0003	.0001
Stddev	.0000	.0015	.0013	.0018	.0000	.0008	.0010	.0003	.0000
%RSD	6.048	2971.	200.5	38.96	13.79	281.6	138.0	82.89	30.06
#1	.0004	.0011	.0003	.0061	-.0002	-.0008	.0000	.0005	.0001
#2	.0004	-.0010	-.0016	.0034	-.0002	.0003	.0014	.0001	.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0003	.0004	-.0009	-.0034	.0002	.0000
Stddev	.0000	.0007	.0005	.0041	.0001	.000
%RSD	11.83	171.4	61.13	119.9	68.51	1779.
#1	-.0003	.0010	-.0005	-.0064	.0001	.0001
#2	-.0003	-.0001	-.0013	-.0005	.0003	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1697.9	42793.	15687.
Stddev	10.3	1772.	255.
%RSD	.60595	4.1399	1.6251
#1	1705.1	44046.	15868.
#2	1690.6	41541.	15507.

Zoom In Zoom Out

Sample Name: MC23504-3F Acquired: 8/20/2013 18:11:08 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0016	.0134	.0011	-.0027	.0966	.0516	.0000	154.1	.0003	-.0001
Stddev	.0000	.0009	.0014	.0013	.0001	.0001	.000	.2	.0002	.0001
%RSD	2.460	7.056	124.6	49.29	.0905	.1522	97.81	.1390	58.57	51.10
#1	.0016	.0140	.0021	-.0036	.0966	.0515	.0000	154.0	.0002	-.0001
#2	.0016	.0127	.0001	-.0017	.0965	.0516	-.0001	154.3	.0004	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0003	.0008	.0008	15.03	15.40	.3115	.0013	312.2	.0024	-.0003
Stddev	.0005	.0009	.0009	.04	.03	.0005	.0002	3.3	.0003	.0001
%RSD	160.5	118.3	116.0	.2967	.1786	.1562	13.58	1.049	11.68	37.09
#1	.0007	.0001	.0015	15.00	15.38	.3118	.0014	309.9	.0026	-.0004
#2	.0000	.0015	.0001	15.07	15.42	.3112	.0012	314.6	.0022	-.0002

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0093	.0064	.0017	.0006	3.954	.0209	.7637	.0013	-.0033	.0003
Stddev	.0012	.0016	.0008	.0005	.010	.0004	.0020	.0004	.0007	.0003
%RSD	12.79	24.24	49.21	91.32	.2598	1.880	.2622	29.54	20.04	137.2
#1	-.0102	.0075	.0011	.0009	3.961	.0212	.7622	.0016	-.0037	.0000
#2	-.0085	.0053	.0023	.0002	3.947	.0206	.7651	.0010	-.0028	.0005

Elem	W_2397	Zn2062	Zr3391
Avg	-.0102	.0072	-.0010
Stddev	.0039	.0003	.0000
%RSD	38.64	3.940	1.895
#1	-.0074	.0070	-.0010
#2	-.0129	.0074	-.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1643.8	42552.	15986.
Stddev	3.2	162.	64.
%RSD	.19666	.38063	.39991
#1	1641.5	42437.	16031.
#2	1646.1	42667.	15941.

Zoom In Zoom Out

Sample Name: MC23504-4F Acquired: 8/20/2013 18:15:34 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	.0022	.0117	-.0066	.0164	.0472	.0000	112.3	.0008	.0017
Stddev	.0003	.0045	.0010	.0011	.0001	.0002	.000	.1	.0000	.0001
%RSD	42.40	202.0	8.224	17.39	.3527	.4733	740.1	.0580	3.950	4.542
#1	-.0009	.0054	.0124	-.0074	.0163	.0471	-.0001	112.4	.0007	.0018
#2	-.0005	-.0010	.0110	-.0058	.0164	.0474	.0000	112.3	.0008	.0017

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0006	-.0014	17.15	1.612	40.14	7.082	.0004	94.85	.0031	-.0011
Stddev	.0005	.0004	.02	.015	.01	.013	.0000	.04	.0002	.0003
%RSD	90.04	28.68	.1063	.9548	.0278	.1775	5.581	.0385	7.248	27.19
#1	.0002	-.0011	17.16	1.602	40.13	7.073	.0004	94.88	.0030	-.0013
#2	.0009	-.0017	17.13	1.623	40.15	7.091	.0004	94.83	.0033	-.0009

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0090	.0308	.0015	.0012	5.947	.0132	.6620	.0015	-.0039	-.0001
Stddev	.0019	.0038	.0008	.0001	.010	.0001	.0007	.0002	.0006	.0001
%RSD	21.05	12.34	50.69	11.75	.1745	1.124	.0986	13.15	15.87	127.5
#1	-.0077	.0281	.0021	.0013	5.939	.0131	.6624	.0013	-.0043	.0000
#2	-.0103	.0334	.0010	.0011	5.954	.0133	.6615	.0016	-.0035	-.0001

Elem	W_2397	Zn2062	Zr3391
Avg	-.0054	.0076	-.0015
Stddev	.0055	.0001	.0002
%RSD	101.7	1.415	13.96
#1	-.0092	.0077	-.0013
#2	-.0015	.0076	-.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1657.3	42487.	16230.
Stddev	2.3	464.	82.
%RSD	.14029	1.0930	.50349
#1	1658.9	42815.	16172.
#2	1655.7	42158.	16287.

Zoom In Zoom Out

Sample Name: MC23504-5F Acquired: 8/20/2013 18:20:01 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	.0001	.0178	-.0069	.0337	.0659	.0000	151.0	.0009	.0042
Stddev	.0005	.0103	.0017	.0009	.0006	.0004	.000	.0	.0001	.0000
%RSD	151.5	17220.	9.647	12.83	1.781	.6546	139.7	.0086	12.16	.6254
#1	-.0006	.0073	.0166	-.0075	.0333	.0656	-.0001	151.0	.0009	.0042
#2	.0000	-.0072	.0190	-.0063	.0341	.0662	.0000	151.0	.0010	.0042

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0006	-.0014	14.77	2.564	43.02	8.825	.0009	198.0	.0070	.0052
Stddev	.0003	.0001	.03	.007	.34	.011	.0001	2.2	.0000	.0003
%RSD	52.88	4.101	.1696	.2735	.7884	.1214	8.446	1.127	.6796	6.242
#1	.0004	-.0014	14.75	2.559	43.26	8.832	.0009	199.5	.0070	.0050
#2	.0008	-.0015	14.78	2.569	42.78	8.817	.0010	196.4	.0070	.0055

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0096	.0381	.0020	.0031	6.060	.0391	.9675	.0021	-.0028	.0002
Stddev	.0019	.0025	.0008	.0012	.002	.0010	.0011	.0003	.0009	.0011
%RSD	20.13	6.557	39.22	38.85	.0299	2.545	.1129	13.56	33.81	454.0
#1	-.0110	.0363	.0015	.0039	6.059	.0398	.9683	.0023	-.0035	.0010
#2	-.0082	.0398	.0026	.0022	6.061	.0384	.9668	.0019	-.0021	-.0005

Elem	W_2397	Zn2062	Zr3391
Avg	-.0139	.0069	-.0007
Stddev	.0015	.0000	.0003
%RSD	10.82	.4017	44.28
#1	-.0128	.0069	-.0005
#2	-.0150	.0069	-.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1654.4	42285.	16262.
Stddev	2.3	247.	108.
%RSD	.14135	.58503	.66198
#1	1652.7	42110.	16338.
#2	1656.0	42460.	16186.

Zoom In Zoom Out

Sample Name: MC23504-6F Acquired: 8/20/2013 18:24:31 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0007	.0007	.0028	-.0066	.0229	.0676	.0000	167.3	.0005	.0040
Stddev	.0005	.0053	.0020	.0002	.0005	.0000	.000	2.9	.0001	.0002
%RSD	69.87	726.6	71.40	3.197	2.344	.0115	912.9	1.718	17.34	5.580
#1	.0003	-.0030	.0043	-.0064	.0233	.0676	-.0001	165.2	.0004	.0038
#2	.0010	.0044	.0014	-.0067	.0225	.0676	.0001	169.3	.0006	.0041

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	-.0017	.0560	6.432	54.03	4.913	.0009	127.6	.0053	-.0006
Stddev	.0000	.0008	.0001	.028	.63	.019	.0002	1.3	.0002	.0005
%RSD	18.54	43.98	.1625	.4327	1.169	.3904	27.18	1.018	4.222	89.26
#1	.0002	-.0023	.0560	6.451	54.48	4.900	.0007	126.7	.0052	-.0009
#2	.0002	-.0012	.0561	6.412	53.59	4.927	.0010	128.5	.0055	-.0002

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0087	.0221	.0013	.0011	5.421	.0522	1.124	.0023	-.0022	.0006
Stddev	.0008	.0051	.0004	.0008	.005	.0001	.004	.0005	.0019	.0005
%RSD	9.459	22.84	32.35	73.64	.1009	.2486	.3768	19.94	84.33	89.47
#1	-.0093	.0186	.0010	.0017	5.425	.0523	1.121	.0019	-.0009	.0002
#2	-.0081	.0257	.0015	.0005	5.417	.0521	1.127	.0026	-.0036	.0009

Elem	W_2397	Zn2062	Zr3391
Avg	-.0103	.0055	-.0009
Stddev	.0028	.0001	.0004
%RSD	27.29	2.143	48.30
#1	-.0083	.0056	-.0006
#2	-.0122	.0054	-.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1662.4	42687.	16218.
Stddev	7.5	149.	142.
%RSD	.45295	.35007	.87261
#1	1657.1	42793.	16318.
#2	1667.7	42581.	16118.

Zoom In Zoom Out

Sample Name: MC23530-1F Acquired: 8/20/2013 18:29:10 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0010	.0001	-.0010	-.0010	.0107	.0175	.0000	6.397	.0003	-.0001
Stddev	.0002	.0040	.0008	.0002	.0002	.0008	.000	.263	.0002	.0001
%RSD	19.16	6525.	85.90	23.77	2.179	4.428	119.7	4.104	83.64	94.42
#1	.0011	-.0028	-.0015	-.0008	.0108	.0170	-.0001	6.211	.0004	-.0002
#2	.0009	.0029	-.0004	-.0012	.0105	.0181	.0000	6.583	.0001	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	-.0020	.6269	.8971	1.600	.0258	.0001	4.830	.0005	-.0001
Stddev	.0001	.0000	.0246	.0650	.088	.0005	.0002	.208	.0001	.0002
%RSD	38.39	2.332	3.921	7.244	5.523	1.861	419.2	4.303	19.07	201.6
#1	-.0003	-.0020	.6095	.8512	1.538	.0254	.0002	4.683	.0005	-.0002
#2	-.0004	-.0020	.6442	.9431	1.663	.0261	-.0001	4.977	.0006	.0000

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0003	.0027	.0008	.0016	4.590	.0006	.0713	-.0003	-.0047	.0008
Stddev	.0023	.0002	.0011	.0005	.003	.0000	.0029	.0002	.0015	.0003
%RSD	697.1	5.471	140.7	28.94	.0632	5.584	4.046	52.50	31.34	33.28
#1	-.0013	.0026	.0015	.0019	4.592	.0006	.0693	-.0002	-.0037	.0010
#2	.0019	.0029	.0000	.0013	4.588	.0006	.0734	-.0004	-.0058	.0006

Elem	W_2397	Zn2062	Zr3391
Avg	-.0094	.0098	-.0012
Stddev	.0074	.0000	.0001
%RSD	78.45	.4509	4.704
#1	-.0146	.0098	-.0013
#2	-.0042	.0097	-.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1696.4	42837.	16974.
Stddev	1.7	55.	524.
%RSD	.09758	.12753	3.0847
#1	1697.5	42876.	17344.
#2	1695.2	42799.	16604.

Zoom In Zoom Out

Sample Name: MC23530-2F Acquired: 8/20/2013 18:33:31 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0009	-.0029	-.0003	-.0002	.0106	.0183	.0000	6.649	.0001	-.0002
Stddev	.0005	.0064	.0007	.0003	.0001	.0001	.000	.003	.0001	.0002
%RSD	49.74	219.1	198.2	152.6	.7878	.7256	1571.	.0448	68.96	89.05
#1	.0013	-.0075	-.0008	.0000	.0107	.0182	.0000	6.651	.0002	-.0001
#2	.0006	.0016	.0001	-.0005	.0105	.0184	.0000	6.647	.0001	-.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0004	-.0012	.6488	.9603	1.702	.0257	.0000	5.076	.0003	-.0004
Stddev	.0006	.0003	.0029	.0198	.043	.0001	.0000	.000	.0000	.0005
%RSD	148.0	22.25	.4449	2.062	2.498	.2979	13.26	.0045	10.84	106.8
#1	-.0008	-.0014	.6468	.9463	1.672	.0256	.0000	5.076	.0003	-.0008
#2	.0000	-.0010	.6509	.9743	1.732	.0257	.0000	5.077	.0003	-.0001

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0012	.0005	-.0006	.0017	4.588	.0001	.0734	-.0003	-.0040	.0013
Stddev	.0004	.0097	.0002	.0006	.003	.0001	.0015	.0001	.0019	.0003
%RSD	31.18	1778.	27.01	35.01	.0693	88.19	2.032	27.84	48.13	23.36
#1	-.0015	.0074	-.0005	.0013	4.586	.0000	.0723	-.0004	-.0027	.0011
#2	-.0009	-.0063	-.0007	.0021	4.590	.0001	.0744	-.0003	-.0054	.0015

Elem	W_2397	Zn2062	Zr3391
Avg	-.0138	.0091	-.0008
Stddev	.0018	.0001	.0000
%RSD	12.95	1.056	4.573
#1	-.0125	.0090	-.0008
#2	-.0151	.0092	-.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1711.9	43122.	16406.
Stddev	.7	237.	19.
%RSD	.04022	.54915	.11407
#1	1711.4	43289.	16393.
#2	1712.4	42954.	16419.

Zoom In Zoom Out

Sample Name: MC23530-3F Acquired: 8/20/2013 18:37:53 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	.1365	-.0007	-.0010	.0169	.0313	.0001	3.532	.0002	.0001
Stddev	.0002	.0060	.0004	.0002	.0003	.0004	.0001	.025	.0001	.0000
%RSD	58.90	4.379	64.45	18.68	1.792	1.290	144.7	.7123	47.61	2.407
#1	.0002	.1322	-.0004	-.0011	.0171	.0310	.0001	3.514	.0002	.0001
#2	.0005	.1407	-.0010	-.0008	.0167	.0316	.0000	3.550	.0003	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0005	-.0012	.0084	1.835	1.174	.0193	.0000	2.311	.0004	.0005
Stddev	.0005	.0007	.0009	.007	.031	.0002	.0001	.000	.0001	.0004
%RSD	101.0	58.05	10.37	.3928	2.656	.8744	1290.	.0004	16.67	72.46
#1	-.0008	-.0007	.0078	1.830	1.196	.0192	-.0001	2.311	.0004	.0003
#2	-.0001	-.0017	.0090	1.840	1.152	.0194	.0001	2.311	.0003	.0008

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0005	-.0039	.0008	.0003	4.430	-.0001	.0642	.0000	-.0039	-.0002
Stddev	.0000	.0065	.0005	.0001	.018	.0002	.0004	.001	.0005	.0006
%RSD	5.601	167.3	63.66	33.15	.4044	228.4	.5957	10460.	11.71	324.5
#1	-.0005	-.0084	.0011	.0004	4.443	-.0002	.0640	-.0004	-.0036	-.0006
#2	-.0006	.0007	.0004	.0002	4.417	.0000	.0645	.0004	-.0042	.0002

Elem	W_2397	Zn2062	Zr3391
Avg	-.0036	.0101	-.0006
Stddev	.0077	.0001	.0001
%RSD	213.4	.8082	11.12
#1	-.0091	.0101	-.0007
#2	.0018	.0100	-.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1715.7	43068.	16505.
Stddev	5.2	179.	.
%RSD	.30287	.41534	.00103
#1	1712.0	42942.	16505.
#2	1719.4	43195.	16505.

Zoom In Zoom Out

Sample Name: MC23530-4F Acquired: 8/20/2013 18:42:14 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	.0007	.0005	-.0035	.4185	.1409	.0000	13.15	.0004	.0003
Stddev	.0008	.0008	.0012	.0005	.0021	.0011	.0000	.00	.0000	.0000
%RSD	196.8	118.2	258.9	14.68	.5111	.7977	1110.	.0143	4.432	9.268
#1	.0009	.0013	-.0004	-.0039	.4200	.1417	.0000	13.14	.0004	.0002
#2	-.0002	.0001	.0013	-.0031	.4170	.1401	.0000	13.15	.0004	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	-.0006	.0048	5.325	66.57	1.870	.1280	22.34	.0004	.0004
Stddev	.0001	.0005	.0015	.047	.14	.005	.0002	.01	.0004	.0004
%RSD	47.30	86.14	30.39	.8817	.2059	.2522	.1591	.0563	97.93	83.25
#1	-.0002	-.0002	.0058	5.292	66.47	1.873	.1278	22.35	.0008	.0002
#2	-.0003	-.0009	.0038	5.358	66.66	1.866	.1281	22.34	.0001	.0007

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0010	.0084	.0006	.0014	3.625	-.0004	.1015	.0002	-.0035	.0007
Stddev	.0019	.0073	.0005	.0012	.011	.0006	.0001	.0004	.0007	.0008
%RSD	197.1	87.76	72.45	81.82	.3074	158.6	.0984	225.5	20.68	126.8
#1	-.0023	.0032	.0003	.0023	3.633	.0000	.1015	.0005	-.0041	.0001
#2	.0004	.0136	.0009	.0006	3.617	-.0008	.1014	-.0001	-.0030	.0012

Elem	W_2397	Zn2062	Zr3391
Avg	-.0167	.0055	-.0009
Stddev	.0135	.0003	.0002
%RSD	80.83	5.115	17.46
#1	-.0262	.0053	-.0010
#2	-.0072	.0057	-.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1709.2	42874.	16425.
Stddev	4.5	457.	179.
%RSD	.26327	1.0663	1.0918
#1	1706.0	42550.	16552.
#2	1712.4	43197.	16298.

Zoom In Zoom Out

Sample Name: MC23530-5F Acquired: 8/20/2013 18:46:33 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	.0031	.0000	-.0019	-.0022	.0002	-.0001	.0266	.0002	-.0004
Stddev	.0001	.0053	.002	.0000	.0004	.0003	.0000	.0009	.0000	.0002
%RSD	16.49	169.3	36140.	2.487	16.64	175.7	39.82	3.213	15.49	37.89
#1	.0003	-.0006	.0013	-.0019	-.0024	.0000	-.0001	.0260	.0002	-.0003
#2	.0004	.0068	-.0014	-.0018	-.0019	.0004	.0000	.0272	.0001	-.0006

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	-.0009	.0002	.0915	.0071	.0003	.0001	.1065	.0000	.0000
Stddev	.0004	.0003	.0008	.0029	.0221	.0000	.0000	.0090	.000	.002
%RSD	461.6	31.35	361.0	3.221	313.3	4.489	8.241	8.481	529.0	4213.
#1	-.0004	-.0007	-.0003	.0936	.0227	.0002	.0001	.1002	-.0002	.0010
#2	.0002	-.0012	.0008	.0895	-.0086	.0003	.0001	.1129	.0001	-.0011

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0024	.0014	.0004	.0016	-.0288	.0000	.0001	.0004	-.0036	-.0005
Stddev	.0001	.0003	.0002	.0012	.0003	.000	.0000	.0000	.0000	.0001
%RSD	3.817	20.75	50.30	78.12	1.020	4541.	41.47	.2848	.2650	17.77
#1	.0023	.0016	.0002	.0024	-.0290	.0000	.0001	.0004	-.0036	-.0005
#2	.0024	.0012	.0005	.0007	-.0286	.0000	.0001	.0004	-.0036	-.0004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0030	.0050	-.0008
Stddev	.0031	.0000	.0005
%RSD	104.6	.5955	61.09
#1	-.0008	.0050	-.0011
#2	-.0052	.0051	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1708.3	43049.	16406.
Stddev	.3	119.	53.
%RSD	.01860	.27597	.32094
#1	1708.1	42965.	16369.
#2	1708.5	43133.	16444.

Zoom In Zoom Out

Sample Name: MC23530-7F Acquired: 8/20/2013 18:50:54 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0008	.0073	.0021	-.0025	.2153	.2635	-.0001	113.0	.0003	.0028
Stddev	.0001	.0038	.0004	.0004	.0001	.0006	.0000	.1	.0002	.0002
%RSD	17.94	51.89	20.44	17.81	.0526	.2178	34.38	.1250	55.89	8.747
#1	.0007	.0100	.0018	-.0028	.2154	.2639	-.0001	113.1	.0005	.0030
#2	.0009	.0046	.0024	-.0022	.2152	.2631	-.0001	112.9	.0002	.0027

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0007	.0023	.0316	9.500	37.64	.7656	.0575	30.37	.0291	-.0006
Stddev	.0005	.0004	.0018	.023	.05	.0021	.0001	.06	.0003	.0001
%RSD	69.66	16.35	5.808	.2408	.1325	.2734	.0918	.2009	.8755	12.90
#1	.0011	.0025	.0303	9.516	37.68	.7641	.0575	30.41	.0289	-.0007
#2	.0004	.0020	.0329	9.484	37.61	.7671	.0574	30.32	.0293	-.0006

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0087	.0033	.0046	.0015	14.39	-.0004	.6392	.0020	-.0042	.0003
Stddev	.0008	.0122	.0001	.0011	.00	.0003	.0010	.0009	.0006	.0006
%RSD	8.774	367.4	1.189	75.49	.0111	72.74	.1523	42.97	15.36	198.7
#1	-.0082	.0119	.0046	.0023	14.39	-.0002	.6399	.0026	-.0037	-.0001
#2	-.0093	-.0053	.0045	.0007	14.39	-.0005	.6385	.0014	-.0046	.0007

Elem	W_2397	Zn2062	Zr3391
Avg	.0035	.0161	-.0025
Stddev	.0079	.0000	.0002
%RSD	224.4	.2871	7.421
#1	.0091	.0161	-.0026
#2	-.0021	.0162	-.0024

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1699.1	43340.	16394.
Stddev	.9	151.	14.
%RSD	.05510	.34924	.08371
#1	1699.8	43447.	16404.
#2	1698.5	43233.	16385.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/20/2013 18:55:11 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2514	10.09	2.004	-.0043	2.015	1.965	1.987	10.06	2.002	2.097
Stddev	.0007	.01	.006	.0007	.002	.001	.002	.00	.000	.001
%RSD	.2845	.1293	.3005	16.29	.0758	.0289	.0892	.0130	.0180	.0445
#1	.2519	10.10	2.000	-.0048	2.014	1.966	1.988	10.07	2.002	2.097
#2	.2509	10.08	2.008	-.0038	2.017	1.965	1.986	10.06	2.002	2.096

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.000	1.964	10.14	9.960	9.902	2.002	2.005	10.13	1.988	1.978
Stddev	.002	.000	.01	.016	.027	.002	.000	.00	.003	.002
%RSD	.0983	.0029	.1320	.1583	.2693	.0813	.0104	.0235	.1415	.0978
#1	1.999	1.964	10.13	9.949	9.920	2.003	2.005	10.13	1.990	1.979
#2	2.001	1.964	10.15	9.971	9.883	2.000	2.005	10.13	1.986	1.976

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0014	.0108	2.005	2.004	1.155	2.020	1.986	1.995	2.007	1.989
Stddev	.0004	.0094	.001	.001	.002	.003	.000	.001	.003	.002
%RSD	31.87	86.81	.0293	.0682	.1918	.1487	.0167	.0290	.1576	.1201
#1	.0017	.0042	2.005	2.005	1.156	2.022	1.986	1.995	2.010	1.987
#2	.0011	.0174	2.006	2.003	1.153	2.018	1.987	1.996	2.005	1.991

Elem	W_2397	Zn2062	Zr3391
Avg	.0054	1.996	-.0048
Stddev	.0020	.001	.0001
%RSD	36.30	.0388	2.944
#1	.0068	1.997	-.0049
#2	.0040	1.996	-.0047

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1713.3	42693.	16474.
Stddev	2.0	249.	1.
%RSD	.11552	.58339	.00522
#1	1714.7	42869.	16473.
#2	1711.9	42517.	16474.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/20/2013 18:59:22 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0007	.0077	.0009	.0001	.0021	.0002	.0001	.0069	.0002	.0003
Stddev	.0004	.0083	.0001	.0001	.0002	.0001	.0000	.0003	.0001	.0005
%RSD	51.73	107.7	6.566	47.28	10.13	87.54	29.54	3.897	49.70	189.7
#1	.0009	.0135	.0009	.0002	.0022	.0003	.0001	.0067	.0002	.0006
#2	.0004	.0018	.0010	.0001	.0019	.0001	.0001	.0071	.0003	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	-.0003	-.0024	.0525	-.0175	.0000	.0022	.0543	.0001	.0007
Stddev	.0004	.0007	.0015	.0006	.0183	.0000	.0005	.0057	.0001	.0005
%RSD	145.4	208.7	62.27	1.157	104.5	198.9	22.65	10.48	88.34	80.41
#1	-.0005	.0002	-.0014	.0521	-.0305	.0000	.0025	.0503	.0000	.0003
#2	.0000	-.0009	-.0035	.0530	-.0046	.0000	.0018	.0583	.0002	.0010

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0004	.0065	-.0011	-.0003	-.0005	.0002	.0001	.0003	.0019	.0001
Stddev	.0012	.0055	.0003	.0009	.0005	.0003	.0000	.0002	.0014	.0001
%RSD	295.6	84.86	24.71	305.7	107.2	171.4	30.30	57.74	71.61	123.0
#1	-.0004	.0026	-.0013	.0003	-.0009	.0004	.0001	.0004	.0009	.0000
#2	.0012	.0104	-.0009	-.0009	-.0001	.0000	.0001	.0002	.0029	.0001

Elem	W_2397	Zn2062	Zr3391
Avg	-.0048	.0000	.0002
Stddev	.0125	.0000	.0002
%RSD	260.3	556.1	116.5
#1	-.0136	.0000	.0003
#2	.0040	.0000	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1734.7	43773.	16278.
Stddev	2.9	172.	20.
%RSD	.16544	.39260	.12058
#1	1732.6	43894.	16292.
#2	1736.7	43651.	16264.

Zoom In Zoom Out

Sample Name: MC23571-2 Acquired: 8/20/2013 19:03:45 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0009	.1005	.0002	-.0029	.0149	.0607	-.0001	37.97	.0005	.0025
Stddev	.0003	.0025	.0006	.0003	.0001	.0005	.0000	.01	.0001	.0002
%RSD	39.02	2.525	234.8	10.31	.6631	.8095	27.53	.0329	18.31	8.978
#1	.0011	.1023	-.0002	-.0031	.0149	.0604	-.0001	37.97	.0006	.0023
#2	.0006	.0987	.0007	-.0027	.0148	.0611	.0000	37.98	.0004	.0026

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0010	.0020	.2139	4.886	5.688	.6699	.0020	59.95	.0054	.0002
Stddev	.0004	.0003	.0023	.039	.010	.0011	.0003	.16	.0001	.0003
%RSD	43.43	14.30	1.073	.7915	.1822	.1673	14.36	.2715	1.170	147.3
#1	.0007	.0018	.2122	4.914	5.696	.6691	.0022	59.84	.0054	.0000
#2	.0013	.0022	.2155	4.859	5.681	.6707	.0018	60.07	.0055	.0005

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0014	.0045	.0011	.0015	2.742	-.0004	.1924	.0069	-.0029	.0009
Stddev	.0010	.0074	.0000	.0007	.003	.0005	.0004	.0009	.0009	.0003
%RSD	76.81	166.4	3.350	48.42	.0934	126.7	.2264	13.13	29.78	37.69
#1	-.0021	-.0008	.0011	.0020	2.740	.0000	.1921	.0063	-.0023	.0007
#2	-.0006	.0097	.0010	.0010	2.743	-.0007	.1927	.0076	-.0035	.0012

Elem	W_2397	Zn2062	Zr3391
Avg	-.0140	.0297	-.0009
Stddev	.0064	.0004	.0008
%RSD	45.52	1.272	92.73
#1	-.0095	.0294	-.0014
#2	-.0184	.0299	-.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1700.4	43160.	16382.
Stddev	3.2	197.	21.
%RSD	.18855	.45544	.13031
#1	1702.7	43299.	16397.
#2	1698.1	43021.	16367.

Zoom In Zoom Out

Sample Name: MC23587-2 Acquired: 8/20/2013 19:08:04 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	10.81	.0999	-.0085	.0331	.0954	.0006	25.28	.0019	.0130
Stddev	.0004	.04	.0017	.0013	.0000	.0005	.0000	.15	.0000	.0001
%RSD	103.5	.4001	1.671	15.63	.0101	.5066	3.986	.6088	2.157	1.031
#1	-.0001	10.84	.0987	-.0076	.0331	.0958	.0006	25.39	.0018	.0129
#2	-.0007	10.78	.1011	-.0094	.0331	.0951	.0006	25.17	.0019	.0131

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0072	.0097	25.61	5.666	5.367	6.178	.0024	23.94	.0152	.0047
Stddev	.0002	.0000	.18	.068	.018	.030	.0001	.17	.0004	.0014
%RSD	3.400	.1269	.6845	1.191	.3334	.4906	2.524	.7168	2.471	29.21
#1	.0071	.0097	25.74	5.714	5.354	6.157	.0023	24.06	.0154	.0037
#2	.0074	.0097	25.49	5.619	5.379	6.200	.0024	23.82	.0149	.0057

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0025	.0288	.0005	.0018	14.57	-.0005	.3161	.4537	-.0025	.0119
Stddev	.0019	.0032	.0008	.0001	.03	.0001	.0022	.0036	.0004	.0002
%RSD	76.23	11.14	149.5	8.358	.1713	24.10	.6944	.7896	17.45	1.532
#1	-.0012	.0310	.0011	.0017	14.55	-.0004	.3176	.4563	-.0028	.0117
#2	-.0039	.0265	.0000	.0019	14.59	-.0006	.3145	.4512	-.0022	.0120

Elem	W_2397	Zn2062	Zr3391
Avg	-.0096	.1194	-.0013
Stddev	.0046	.0005	.0003
%RSD	47.82	.4001	20.38
#1	-.0129	.1190	-.0011
#2	-.0064	.1197	-.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1729.7	43368.	16771.
Stddev	7.8	76.	48.
%RSD	.45267	.17524	.28768
#1	1735.2	43314.	16737.
#2	1724.1	43422.	16805.

Zoom In Zoom Out

Sample Name: MC23596-1F Acquired: 8/20/2013 19:12:29 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	.0540	-.0012	-.0024	.0454	.0492	.0001	4.870	.0002	.0010
Stddev	.0007	.0080	.0021	.0004	.0001	.0001	.0000	.018	.0000	.0002
%RSD	129.0	14.86	175.3	15.18	.2950	.1846	33.14	.3603	10.02	15.74
#1	.0010	.0483	-.0027	-.0021	.0453	.0491	.0001	4.882	.0002	.0012
#2	.0000	.0597	.0003	-.0026	.0455	.0493	.0001	4.857	.0002	.0009

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	-.0004	1.335	7.276	.9969	.3096	.0003	91.08	.0020	.0006
Stddev	.0000	.0008	.012	.050	.0016	.0007	.0001	.19	.0001	.0006
%RSD	63.15	170.5	.9012	.6856	.1561	.2146	32.20	.2049	2.797	98.73
#1	-.0001	-.0010	1.343	7.311	.9980	.3101	.0004	90.95	.0019	.0002
#2	.0000	.0001	1.326	7.240	.9958	.3091	.0003	91.21	.0020	.0010

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0003	-.0016	.0002	.0010	3.153	.0000	.0346	.0089	-.0041	.0005
Stddev	.0002	.0084	.0002	.0010	.009	.0001	.0001	.0001	.0001	.0010
%RSD	59.91	538.8	66.98	102.0	.2784	2557.	.3697	1.533	3.017	181.6
#1	.0002	.0044	.0003	.0003	3.159	.0000	.0347	.0088	-.0042	.0012
#2	.0004	-.0075	.0001	.0016	3.147	.0000	.0346	.0090	-.0041	-.0001

Elem	W_2397	Zn2062	Zr3391
Avg	-.0020	.1212	-.0004
Stddev	.0059	.0002	.0001
%RSD	290.0	.1324	33.49
#1	-.0062	.1211	-.0005
#2	.0021	.1213	-.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1730.3	43619.	16595.
Stddev	9.0	261.	20.
%RSD	.51858	.59904	.11806
#1	1724.0	43434.	16581.
#2	1736.7	43804.	16609.

Zoom In Zoom Out

Sample Name: MC23596-2F Acquired: 8/20/2013 19:16:48 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0010	.1187	.0009	-.0017	.0183	.0246	.0001	3.514	.0003	.0001
Stddev	.0002	.0013	.0002	.0003	.0001	.0000	.0000	.018	.0001	.0000
%RSD	16.46	1.128	17.18	18.30	.7333	.1707	17.19	.5150	26.38	3.150
#1	.0011	.1178	.0010	-.0015	.0182	.0246	.0001	3.502	.0003	.0001
#2	.0009	.1197	.0008	-.0019	.0184	.0245	.0001	3.527	.0004	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0014	.0015	4.627	1.762	.7711	.2037	.0019	31.06	.0013	.0006
Stddev	.0004	.0002	.021	.051	.0172	.0001	.0000	.06	.0001	.0002
%RSD	32.61	9.913	.4625	2.913	2.232	.0419	.4847	.1872	9.320	39.24
#1	.0017	.0016	4.612	1.799	.7589	.2036	.0019	31.10	.0013	.0004
#2	.0011	.0014	4.642	1.726	.7833	.2037	.0019	31.02	.0012	.0007

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0004	.0063	.0000	.0013	2.269	-.0001	.0228	.0053	-.0034	.0010
Stddev	.0018	.0026	.0005	.0003	.005	.0001	.0001	.0005	.0017	.0000
%RSD	489.2	41.72	1483.	24.02	.2292	36.36	.4043	8.604	48.93	4.608
#1	-.0017	.0045	-.0003	.0011	2.266	-.0002	.0227	.0056	-.0022	.0010
#2	.0009	.0082	.0004	.0016	2.273	-.0001	.0229	.0049	-.0046	.0010

Elem	W_2397	Zn2062	Zr3391
Avg	-.0020	.0140	-.0001
Stddev	.0054	.0002	.0002
%RSD	267.4	1.587	144.1
#1	-.0059	.0139	-.0002
#2	.0018	.0142	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1728.6	43676.	16652.
Stddev	3.9	85.	104.
%RSD	.22480	.19566	.62178
#1	1731.3	43616.	16579.
#2	1725.8	43737.	16725.

Zoom In Zoom Out

Sample Name: MC23596-3F Acquired: 8/20/2013 19:21:07 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0006	.0156	.0004	-.0035	.0753	.1546	-.0001	14.13	.0004	-.0002
Stddev	.0009	.0027	.0003	.0005	.0004	.0001	.0000	.01	.0000	.0001
%RSD	141.1	17.51	76.44	14.52	.5228	.0773	7.026	.0610	1.788	38.26
#1	.0013	.0137	.0006	-.0039	.0751	.1545	-.0001	14.14	.0004	-.0001
#2	.0000	.0176	.0002	-.0032	.0756	.1547	-.0001	14.12	.0004	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	-.0005	5.034	8.682	2.083	1.777	-.0001	106.1	.0005	.0003
Stddev	.000	.0006	.024	.054	.011	.002	.0003	.1	.0006	.0004
%RSD	315.2	115.5	.4779	.6182	.5295	.0898	510.1	.0751	125.7	162.6
#1	.0000	-.0009	5.051	8.720	2.091	1.776	-.0003	106.1	.0001	.0000
#2	-.0001	-.0001	5.017	8.644	2.075	1.778	.0002	106.0	.0009	.0006

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0024	.0124	.0009	.0005	3.563	-.0001	.0750	.0001	-.0044	.0000
Stddev	.0003	.0032	.0002	.0006	.006	.0001	.0006	.0001	.0017	.0005
%RSD	11.02	25.78	26.89	127.3	.1700	60.60	.8349	43.68	37.82	5038.
#1	-.0026	.0147	.0007	.0009	3.559	-.0002	.0754	.0002	-.0032	.0004
#2	-.0023	.0102	.0010	.0000	3.567	-.0001	.0745	.0001	-.0056	-.0004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0093	.0284	-.0005
Stddev	.0040	.0001	.0000
%RSD	42.60	.1772	3.768
#1	-.0122	.0285	-.0005
#2	-.0065	.0284	-.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1715.5	42861.	16245.
Stddev	3.0	383.	22.
%RSD	.17334	.89273	.13294
#1	1713.4	43132.	16230.
#2	1717.6	42591.	16260.

Zoom In Zoom Out

Sample Name: MC23599-1F Acquired: 8/20/2013 19:25:25 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	.0600	.0022	-.0017	.0864	.1175	-.0001	17.42	.0007	.0024
Stddev	.0002	.0068	.0015	.0012	.0001	.0022	.0000	.29	.0000	.0002
%RSD	445.2	11.40	65.17	70.14	.1199	1.899	10.28	1.671	4.161	9.972
#1	.0002	.0648	.0012	-.0008	.0863	.1159	-.0001	17.21	.0007	.0026
#2	-.0001	.0551	.0033	-.0025	.0864	.1191	.0000	17.62	.0008	.0022

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0011	.0048	2.439	3.594	1.375	.2515	.0012	3.786	.0080	.0094
Stddev	.0003	.0013	.055	.096	.039	.0090	.0002	.047	.0001	.0010
%RSD	26.71	26.23	2.236	2.683	2.809	3.595	14.39	1.239	1.709	11.14
#1	.0009	.0057	2.401	3.526	1.348	.2579	.0011	3.753	.0079	.0102
#2	.0013	.0039	2.478	3.662	1.402	.2451	.0013	3.819	.0081	.0087

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0008	.0074	.0020	.0009	5.038	.0014	.0819	.0014	-.0030	.0024
Stddev	.0009	.0021	.0003	.0012	.008	.0006	.0016	.0004	.0001	.0008
%RSD	115.4	28.27	14.31	129.9	.1558	38.46	1.964	26.14	4.287	33.70
#1	.0001	.0089	.0022	.0001	5.043	.0010	.0807	.0011	-.0031	.0030
#2	.0014	.0059	.0018	.0017	5.032	.0018	.0830	.0016	-.0029	.0019

Elem	W_2397	Zn2062	Zr3391
Avg	-.0069	.0324	-.0010
Stddev	.0006	.0001	.0004
%RSD	8.781	.2366	43.49
#1	-.0065	.0325	-.0013
#2	-.0074	.0324	-.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1716.8	44207.	16397.
Stddev	1.3	1287.	292.
%RSD	.07443	2.9108	1.7811
#1	1715.9	43297.	16603.
#2	1717.7	45117.	16190.

Zoom In Zoom Out

Sample Name: MC23609-2F Acquired: 8/20/2013 19:29:45 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0007	1.157	.0004	-.0010	.0163	.0378	.0000	131.2	.0001	.0001
Stddev	.0004	.009	.0009	.0004	.0001	.0001	.000	.3	.0000	.0001
%RSD	54.72	.7435	214.8	43.13	.8958	.2077	73.74	.2195	30.23	83.75
#1	.0005	1.151	-.0002	-.0007	.0162	.0379	-.0001	131.4	.0001	.0000
#2	.0010	1.163	.0011	-.0013	.0164	.0378	.0000	131.0	.0001	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0004	.0149	.0281	22.47	.0387	.0005	.0063	23.91	.0069	-.0007
Stddev	.0002	.0001	.0014	.06	.0054	.0000	.0002	.10	.0002	.0005
%RSD	65.63	.9716	4.887	.2665	13.95	1.837	3.316	.4062	2.315	71.49
#1	.0005	.0150	.0271	22.52	.0426	.0005	.0062	23.98	.0070	-.0004
#2	.0002	.0148	.0291	22.43	.0349	.0005	.0065	23.84	.0068	-.0011

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0080	-.0014	.0013	.0014	2.005	-.0001	.9159	.0010	-.0029	.0017
Stddev	.0002	.0036	.0004	.0003	.000	.0004	.0034	.0002	.0004	.0000
%RSD	2.088	257.8	27.88	20.91	.0216	792.1	.3700	19.83	12.85	.7037
#1	-.0081	.0012	.0016	.0017	2.005	.0003	.9183	.0012	-.0026	.0017
#2	-.0078	-.0039	.0011	.0012	2.004	-.0004	.9135	.0009	-.0031	.0017

Elem	W_2397	Zn2062	Zr3391
Avg	-.0063	.0111	-.0003
Stddev	.0052	.0001	.0001
%RSD	81.96	1.219	27.12
#1	-.0099	.0110	-.0004
#2	-.0026	.0112	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1683.9	42960.	16309.
Stddev	.5	254.	104.
%RSD	.03163	.59050	.63651
#1	1683.5	43140.	16382.
#2	1684.3	42781.	16235.

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/20/2013 19:34:05 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0057	.2038	.0039	-.0010	.0980	.0511	.0042	5.167	.0043	.0533
Stddev	.0007	.0157	.0010	.0001	.0004	.0002	.0000	.026	.0001	.0004
%RSD	11.91	7.700	25.35	11.95	.3859	.3547	.4923	.5066	2.848	.7573
#1	.0053	.1927	.0045	-.0011	.0978	.0512	.0042	5.185	.0043	.0530
#2	.0062	.2149	.0032	-.0010	.0983	.0509	.0042	5.148	.0044	.0536

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0102	.0239	.1115	5.299	5.151	.0158	.1020	5.185	.0410	.0052
Stddev	.0002	.0005	.0005	.045	.029	.0003	.0008	.011	.0003	.0019
%RSD	2.128	2.206	.4806	.8413	.5620	1.678	.7440	.2207	.8043	35.78
#1	.0103	.0235	.1111	5.331	5.172	.0156	.1015	5.193	.0408	.0039
#2	.0100	.0242	.1118	5.268	5.131	.0159	.1025	5.177	.0413	.0066

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0008	-.0012	.0063	.0105	-.0480	.1013	.0105	.0520	.0044	.0100
Stddev	.0007	.0135	.0002	.0005	.0003	.0002	.0000	.0005	.0008	.0001
%RSD	96.36	1164.	3.051	5.116	.6210	.1881	.3652	.8752	18.93	.8248
#1	.0002	-.0107	.0064	.0101	-.0483	.1012	.0104	.0523	.0049	.0101
#2	.0013	.0084	.0061	.0109	-.0478	.1014	.0105	.0517	.0038	.0100

Elem	W_2397	Zn2062	Zr3391
Avg	-.0141	.0210	.0001
Stddev	.0062	.0001	.0005
%RSD	43.78	.2448	641.2
#1	-.0097	.0210	-.0003
#2	-.0184	.0211	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1711.5	42732.	16217.
Stddev	2.1	246.	176.
%RSD	.12168	.57484	1.0826
#1	1710.0	42905.	16093.
#2	1712.9	42558.	16341.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 8/20/2013 19:38:23 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	541.0	-.0006	-.0028	-.0002	-.0008	.0001	465.8	.0005	.0020
Stddev	.0005	4.4	.0001	.0003	.0007	.0000	.0000	.9	.0001	.0004
%RSD	74.50	.8090	26.45	8.946	349.3	4.384	8.335	.1831	11.72	18.69
#1	-.0011	537.9	-.0005	-.0027	.0003	-.0008	.0001	466.4	.0005	.0018
#2	-.0003	544.1	-.0007	-.0030	-.0007	-.0008	.0001	465.2	.0005	.0023

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0009	190.7	.0772	503.6	-.0003	-.0011	.1557	.0005	.0024
Stddev	.0007	.0009	.6	.0069	.4	.0000	.0006	.0082	.0001	.0011
%RSD	397.7	100.4	.3022	8.896	.0823	16.38	52.91	5.242	29.37	43.48
#1	.0003	.0002	191.1	.0821	503.9	-.0002	-.0007	.1615	.0004	.0032
#2	-.0007	.0015	190.2	.0723	503.3	-.0003	-.0015	.1500	.0006	.0017

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0386	-.0215	.0004	-.0004	-.0190	-.0003	.0012	.0098	.0007	.0002
Stddev	.0009	.0002	.0002	.0015	.0005	.0002	.0001	.0005	.0011	.0001
%RSD	2.331	.7692	59.55	341.6	2.688	60.50	6.718	5.180	164.7	66.09
#1	-.0380	-.0214	.0002	.0006	-.0194	-.0002	.0012	.0101	-.0001	.0001
#2	-.0393	-.0216	.0006	-.0015	-.0187	-.0004	.0011	.0094	.0015	.0003

Elem	W_2397	Zn2062	Zr3391
Avg	-.0405	-.0007	.0013
Stddev	.0150	.0002	.0005
%RSD	37.07	33.52	35.09
#1	-.0511	-.0009	.0010
#2	-.0299	-.0006	.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1548.1	39895.	15988.
Stddev	.2	237.	74.
%RSD	.01592	.59436	.46417
#1	1547.9	39727.	15935.
#2	1548.2	40063.	16040.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 8/20/2013 19:42:56 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.087	540.6	2.113	.5011	1.060	.5063	.4711	472.0	1.075	.5169
Stddev	.002	2.6	.001	.0007	.002	.0013	.0002	6.1	.003	.0008
%RSD	.2090	.4762	.0392	.1489	.2069	.2609	.0428	1.298	.2767	.1552
#1	1.085	538.8	2.112	.5006	1.058	.5054	.4710	467.7	1.077	.5175
#2	1.088	542.4	2.113	.5017	1.061	.5073	.4713	476.3	1.072	.5163

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5068	.5409	190.6	.0796	503.7	.5076	1.015	.1446	.9435	.9761
Stddev	.0009	.0016	.9	.0362	1.6	.0008	.000	.0040	.0009	.0026
%RSD	.1813	.2934	.4608	45.44	.3157	.1626	.0430	2.773	.0949	.2668
#1	.5075	.5398	191.2	.0540	502.6	.5082	1.016	.1474	.9441	.9780
#2	.5062	.5420	190.0	.1052	504.8	.5070	1.015	.1417	.9428	.9743

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.5126	.4850	2.153	2.079	1.500	1.048	.9898	.5316	2.069	.5267
Stddev	.0029	.0152	.005	.001	.006	.001	.0021	.0071	.002	.0084
%RSD	.5609	3.137	.2296	.0329	.3991	.1213	.2151	1.333	.0732	1.587
#1	.5106	.4743	2.156	2.079	1.504	1.049	.9913	.5266	2.070	.5207
#2	.5147	.4958	2.149	2.080	1.496	1.048	.9883	.5366	2.068	.5326

Elem	W_2397	Zn2062	Zr3391
Avg	2.216	.9613	.4355
Stddev	.021	.0014	.0025
%RSD	.9317	.1463	.5836
#1	2.202	.9623	.4337
#2	2.231	.9603	.4373

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1558.6	39749.	15783.
Stddev	4.7	264.	103.
%RSD	.30453	.66339	.65264
#1	1555.3	39562.	15856.
#2	1562.0	39935.	15710.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/20/2013 19:47:21 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2493	10.17	2.012	-.0029	2.021	1.962	1.992	10.07	2.015	2.101
Stddev	.0002	.02	.002	.0007	.006	.004	.002	.01	.003	.003
%RSD	.0732	.2103	.0834	23.93	.2787	.2112	.1120	.1353	.1338	.1636
#1	.2492	10.16	2.011	-.0024	2.025	1.959	1.990	10.06	2.017	2.104
#2	.2494	10.19	2.014	-.0033	2.017	1.965	1.993	10.08	2.014	2.099

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.991	1.962	10.21	9.882	9.908	2.001	2.010	10.17	1.992	1.982
Stddev	.003	.000	.01	.012	.084	.000	.001	.01	.002	.004
%RSD	.1250	.0028	.1457	.1255	.8438	.0118	.0697	.0761	.1209	.2107
#1	1.993	1.962	10.20	9.874	9.849	2.001	2.011	10.18	1.994	1.984
#2	1.989	1.962	10.22	9.891	9.967	2.001	2.009	10.17	1.990	1.979

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0008	.0064	2.017	2.010	1.159	2.020	1.995	1.986	2.012	1.990
Stddev	.0001	.0024	.000	.001	.002	.001	.001	.001	.003	.002
%RSD	14.79	37.03	.0055	.0372	.1753	.0580	.0634	.0545	.1613	.0957
#1	-.0007	.0081	2.017	2.010	1.158	2.021	1.995	1.987	2.015	1.989
#2	-.0009	.0047	2.017	2.009	1.160	2.019	1.994	1.986	2.010	1.992

Elem	W_2397	Zn2062	Zr3391
Avg	.0161	1.998	.0100
Stddev	.0232	.003	.0026
%RSD	144.0	.1499	26.20
#1	.0325	2.000	.0119
#2	-.0003	1.996	.0082

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1694.6	42399.	16446.
Stddev	2.8	11.	13.
%RSD	.16766	.02578	.08095
#1	1692.6	42407.	16456.
#2	1696.6	42391.	16437.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/20/2013 19:51:32 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0008	-.0017	.0015	-.0008	F.0217	.0004	.0001	.0075	.0003
Stddev	.0010	.0078	.0015	.0006	.0005	.0000	.0000	.0007	.0000
%RSD	130.1	458.3	99.10	75.00	2.100	9.810	41.43	9.055	8.119
#1	.0001	.0038	.0004	-.0004	.0220	.0004	.0001	.0071	.0003
#2	.0015	-.0072	.0025	-.0013	.0214	.0004	.0001	.0080	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0003	-.0002	-.0002	.0013	.0566	-.0088	.0001	.0027	.0461
Stddev	.0001	.0004	.0027	.0006	.0018	.0025	.0000	.0006	.0001
%RSD	54.76	254.9	1340.	51.58	3.199	28.21	42.68	23.70	.2276
#1	.0002	.0001	.0017	.0017	.0579	-.0105	.0001	.0031	.0460
#2	.0004	-.0004	-.0021	.0008	.0553	-.0070	.0001	.0022	.0461

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0003	.0011	.0006	.0002	.0000	.0012	1.047	.0000	.0002
Stddev	.0002	.0003	.0033	.0067	.0003	.0000	.005	.000	.0001
%RSD	52.74	26.20	515.3	3354.	1784.	2.605	.5258	56.44	36.72
#1	.0004	.0013	.0030	-.0045	.0002	.0012	1.050	.0000	.0001
#2	.0002	.0009	-.0017	.0049	-.0002	.0012	1.043	.0000	.0002

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0001	.0010	.0002	.0021	-.0001	.0002
Stddev	.0006	.0007	.0006	.0068	.0002	.0003
%RSD	621.6	72.57	238.7	323.1	178.1	119.7
#1	.0005	.0005	.0007	-.0027	.0000	.0004
#2	-.0003	.0015	-.0002	.0069	-.0002	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1717.0	41897.	16383.
Stddev	5.5	2192.	231.
%RSD	.31882	5.2313	1.4119
#1	1713.1	40347.	16547.
#2	1720.8	43447.	16220.

Zoom In Zoom Out

Sample Name: MC22811-1UND Acquired: 8/20/2013 20:00:15 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0012	.1478	.0040	.0001	.2802	.2549	.0000	175.8	-.0004	.0009
Stddev	.0012	.0160	.0011	.0001	.0003	.0003	.000	2.7	.0001	.0001
%RSD	98.64	10.85	26.72	136.9	.1189	.1054	6.535	1.527	13.23	13.28
#1	.0020	.1365	.0048	.0001	.2799	.2551	.0000	177.7	-.0005	.0010
#2	.0004	.1591	.0033	.0000	.2804	.2547	.0000	173.9	-.0004	.0008

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0017	-.0003	19.81	4.353	58.13	.7731	-.0002	57.47	.0034	.0003
Stddev	.0002	.0005	.04	.045	.02	.0032	.0001	.05	.0004	.0006
%RSD	8.778	142.4	.1872	1.034	.0302	.4182	40.92	.0811	10.67	186.0
#1	.0019	-.0006	19.78	4.385	58.14	.7754	-.0002	57.50	.0031	-.0001
#2	.0016	.0000	19.83	4.322	58.12	.7708	-.0001	57.44	.0036	.0008

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0109	.0024	-.0038	.0014	12.62	.0020	.2644	.0104	.0078	.0004
Stddev	.0004	.0011	.0007	.0003	.02	.0006	.0003	.0020	.0012	.0002
%RSD	3.842	45.18	19.63	17.60	.1473	30.27	.1300	18.81	15.43	48.36
#1	-.0112	.0032	-.0043	.0016	12.63	.0025	.2641	.0090	.0070	.0005
#2	-.0106	.0016	-.0032	.0013	12.61	.0016	.2646	.0118	.0087	.0003

Elem	W_2397	Zn2062	Zr3391
Avg	-.0061	.0176	-.0006
Stddev	.0103	.0001	.0000
%RSD	169.2	.3126	1.108
#1	.0012	.0176	-.0006
#2	-.0134	.0177	-.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1716.4	43685.	16542.
Stddev	3.1	275.	34.
%RSD	.18031	.63048	.20612
#1	1718.6	43490.	16518.
#2	1714.2	43880.	16566.

Zoom In Zoom Out

Sample Name: MC22811-1FUND Acquired: 8/20/2013 20:04:38 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0012	-.0013	.0036	-.0010	.2810	.2610	-.0001	171.3	-.0004	.0006
Stddev	.0010	.0032	.0004	.0008	.0001	.0005	.0000	3.3	.0000	.0001
%RSD	80.90	251.1	10.18	76.30	.0446	.1976	3.828	1.900	2.593	15.11
#1	.0005	.0010	.0034	-.0015	.2811	.2613	-.0001	173.6	-.0004	.0007
#2	.0019	-.0036	.0039	-.0005	.2809	.2606	-.0001	169.0	-.0004	.0006

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0006	12.73	4.214	58.67	.7964	.0000	55.79	.0024	.0014
Stddev	.0008	.0013	.00	.045	.19	.0002	.0000	.23	.0001	.0000
%RSD	470.9	238.3	.0150	1.063	.3282	.0237	52.84	.4122	3.009	3.215
#1	.0007	-.0004	12.73	4.246	58.80	.7962	.0000	55.95	.0024	.0014
#2	-.0004	.0015	12.73	4.183	58.53	.7965	.0000	55.62	.0023	.0013

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0097	-.0034	-.0038	.0028	12.44	.0031	.2706	.0028	.0056	.0000
Stddev	.0010	.0015	.0002	.0010	.01	.0006	.0008	.0001	.0009	.000
%RSD	10.29	44.21	5.591	37.50	.1028	18.80	.3066	2.381	15.34	4058.
#1	-.0090	-.0023	-.0040	.0035	12.45	.0027	.2712	.0028	.0050	-.0002
#2	-.0104	-.0045	-.0037	.0020	12.43	.0036	.2700	.0028	.0062	.0001

Elem	W_2397	Zn2062	Zr3391
Avg	-.0020	.0147	-.0007
Stddev	.0015	.0002	.0000
%RSD	74.60	1.177	1.334
#1	-.0009	.0148	-.0007
#2	-.0030	.0146	-.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1723.1	43898.	16526.
Stddev	.3	99.	97.
%RSD	.01558	.22632	.58934
#1	1722.9	43827.	16457.
#2	1723.3	43968.	16595.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	0.000199	0.000000	No
			Co	0.000139	0.000000	No
			Mn	0.000216	0.000000	No
			Mo	0.000031	0.000000	No
			Cu	0.000019	0.000000	No
			Ti	0.000004	0.000000	No
			Al	0.000002	0.000000	No
			Zr	0.003788	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.000037	0.000000	No
			Mo	0.043948	0.000000	No
			Ca	0.000104	0.000000	No
As 189.042 {479}	☒	9	V	-0.000054	0.000000	No
			Al	0.000020	0.000000	No
			Mo	0.000916	0.000000	No
			Fe	-0.000002	0.000000	No
			Mn	0.000074	0.000000	No
			Ca	0.000004	0.000000	No
			Mg	0.000002	0.000000	No
			Cr	0.000103	0.000000	No
			Na	-0.000000	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000122	0.000000	No
			Mn	0.010681	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.035323	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000005	0.000000	No
Be 313.042 {108}	☒	3	V	0.000543	0.000000	No
			Mo	-0.000032	0.000000	No
			Ti	-0.000279	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	5	Ni	-0.000027	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000011	0.000000	No
			Ca	0.000001	0.000000	No
			Pt	-0.011956	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000043	0.000000	No
			Mo	-0.000136	0.000000	No
			Ti	0.002131	0.000000	No
			Ca	-0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000004	0.000000	No
			Mn	0.000091	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000091	0.000000	No
			V	-0.000207	0.000000	No
			Mo	0.000402	0.000000	No
			Co	-0.000350	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000483	0.000000	No
			Co	0.000765	0.000000	No
			Cr	0.002515	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000008	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000129	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Al	0.000546	0.000000	No
Ni 231.604 {446}	☒	3	Mo	-0.000042	0.000000	No
			Fe	0.000011	0.000000	No
			Ca	-0.000001	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000077	0.000000	No
			Mn	0.000174	0.000000	No
			Mo	-0.001616	0.000000	No
			Co	-0.000020	0.000000	No
			Cu	0.000290	0.000000	No
			Ca	-0.000005	0.000000	No
			Fe	0.000032	0.000000	No
			Mg	0.000002	0.000000	No
			Ni	0.000207	0.000000	No
			Si	0.000228	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000351	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.007692	0.000000	No
			Ni	0.000902	0.000000	No
			Mn	-0.007038	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
Sb 206.833 {463}	☒	12	Al	-0.000003	0.000000	No
			Fe	0.000005	0.000000	No
			Cr	0.009724	0.000000	No
			Mo	-0.000202	0.000000	No
			Mg	0.000000	0.000000	No
			Ni	-0.000333	0.000000	No
			V	-0.001779	0.000000	No
			Ca	0.000002	0.000000	No
			Ti	-0.000435	0.000000	No
			Cu	0.000055	0.000000	No
			Sn	-0.007401	0.000000	No
			Pt	-0.002057	0.000000	No
Se 196.090 {472}	☒	8	Al	-0.000006	0.000000	No
			Fe	-0.000202	0.000000	No
			Mn	0.000387	0.000000	No
			Mo	0.000059	0.000000	No
			Ca	-0.000002	0.000000	No
			Na	0.000000	0.000000	No
			Co	-0.000580	0.000000	No
			Pd	-0.003371	0.000000	No
Si 212.412 {459}	☒	3	V	0.027489	0.000000	No
			Ti	0.015670	0.000000	No
			Mo	0.031283	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.000909	0.000000	No
			Cr	0.000192	0.000000	No
			V	-0.026918	0.000000	No
			Co	0.001579	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Al	-0.000003	0.000000	No
				Fe	0.000007	0.000000	No
				Ti	-0.001473	0.000000	No
				Mo	0.000149	0.000000	No
				Ca	-0.000000	0.000000	No
				Na	0.000006	0.000000	No
	V 292.402 {115}	☒	3	Ti	0.000455	0.000000	No
				Mo	-0.000818	0.000000	No
				Fe	0.000018	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000106	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000013	0.000000	No
				Mn	-0.000026	0.000000	No
				Ni	0.000026	0.000000	No
				Cr	-0.000478	0.000000	No
				Mo	0.000147	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000003	0.000000	No
				Na	0.000000	0.000000	No
	Zr 339.198 { 99}	☒	6	Si	0.000182	0.000000	No
				Ti	0.000195	0.000000	No
				Fe	0.000024	0.000000	No
				Sn	0.002296	0.000000	No
				Au	0.002269	0.000000	No
				Ba	0.000845	0.000000	No

Prep QC: MP21521

ACCUTEST

Date:	08/19/13
Time	11:25

Name:	ERICM1
MP Batch ID:	MP21521
QC Sample ID:	MC23518-1

Reagent Lot #	
1:1 HNO3	RGT-36995-METALS
1:1 HCL	RGT-36994-METALS
Conc HNO3	VENDOR-13668
H2O2	VENDOR-13654
LCS	VENDOR-13657
Filter Paper Lot #	11104171
Digetion Tube Lot #	MM01LKK0 ; MH21KK06

Aqueous EPA 200.7/ 200.8	○
Aqueous SW846 3010A	○
Soil- SW846 3050B	◉

ML Used	Spike Lot#
1	RGT-37039-METALS
1	RGT-36908-METALS
1	RGT-36999-METALS
1	RGT-37000-METALS
Spike ID	MPICP

Dig Block ID:	5	Therm ID	QA010	Temp. C	97	Factor	-1.5	Corrected Temp C	95.5
Dig Block ID:		Therm ID		Temp. C		Factor		Corrected Temp C	
Balance ID:	ACC-3	Repipetor ID	3						

Note: (A)Serial dilution shown for QC purposes only (not a seperate digestion). (B) For DW samples <1NTU, measure pH prior to analysis.

Bot#	Sample #	Initial G	Final (ML)			1:1 HNO3 (ML)	Conc. HNO3 (ML)	1:1 HCL (ML)	H2O2 (ML)	Comment
	MP21521-LC1	1	100			10	5	10	3	
	MP21521-MB1	1	100			10	5	10	3	
	MP21521-B1	1	100			10	5	10	3	
1	MP21521-S1	1.17	100			10	5	10	3	
1	MP21521-SD1	1.18	100			10	5	10	3	
	MP21521-B2	1	100			10	5	10	3	
1	MP21521-S2	1.17	100			10	5	10	3	
1	MC23518-1	1.18	100			10	5	10	3	
1	MC23582-1	1.16	100			10	5	10	3	
1	MC23582-2	1.17	100			10	5	10	3	
1	MC23582-3	1.18	100			10	5	10	3	
1	MC23582-4	1.17	100			10	5	10	3	
1	MC23582-5	1.18	100			10	5	10	3	
1	MC23591-1	1.35	100			10	5	10	3	
1	MC23593-1	1.24	100			10	5	10	3	
1	MC23593-2	1.23	100			10	5	10	3	
1	MC23594-1	1.23	100			10	5	10	3	
2	MC23602-1	1.26	100			10	5	10	3	
2	MC23602-2	1.22	100			10	5	10	3	
2	MC23602-3	1.22	100			10	5	10	3	
2	MC23602-4	1.28	100			10	5	10	3	
1	MC23630-1	1.27	100			10	5	10	3	

Protected Worksheet MMP003-02 QC Review EAL Date: 08/21/13

(Format edits must be done by dept. Manager)

11.3.1 11

HG SO: SW846 7471B

AQ ○ SO ◉ **Analysis: Hg**

Protected Worksheet
Format edits must be done by Dept. Manager

MP#	MP21523	Date	8/20/13	Balance ID	ACC-3	Pipet ID	N/A	Prep Analyst	EM				
Dig Block ID	5	Therm ID	QA010	Temp	97	Factor	-1.5	Corr. Temp. Deg C	95.5	Start Time	8:50	End Time	9:20
Dig Block ID	3	Therm ID	GN015	Temp	96	Factor	-2	Corr. Temp. Deg C	94	Start Time	9:43	End Time	10:13
MA#	MA16001	Date	8/20/13	Run File	H1082013S1.PRN			Calib File	1082013S			Analyst	EM

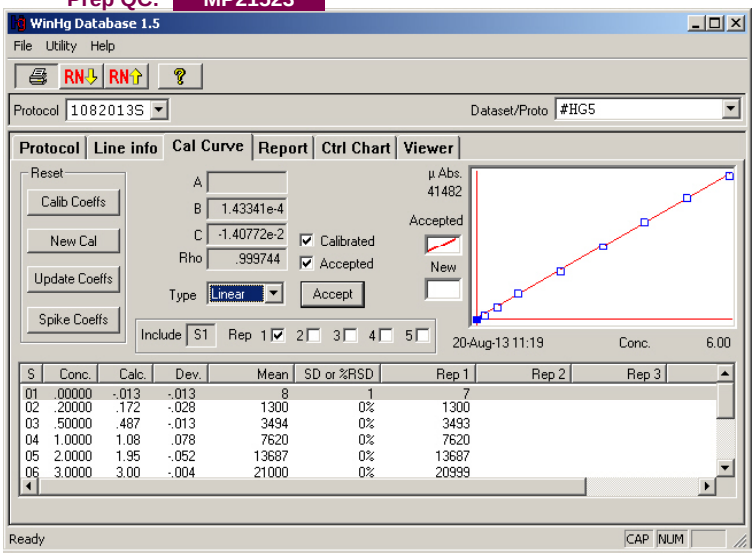
Bot#	Sample ID	Init G	Fin ML	Block ID	Comments	Bot#	Sample ID	Init G	Fin ML	Block ID	Comments
	RB		100	3		1	MC23582-3	0.64	100	5	
	STD#1		100	3	2 ml of METSTD 30944 Hg- 2	1	MC23582-4	0.65	100	5	
	STD#2		100	3	5 ml of METSTD 30944 Hg- 2	1	MC23582-5	0.65	100	5	
	STD#3		100	3	1 ml of METSTD 30944 Hg- 1	1	MC23593-1	0.63	100	5	
	STD#4		100	3	2 ml of METSTD 30944 Hg- 1	1	MC23593-2	0.63	100	5	
	STD#5		100	3	3 ml of METSTD 30944 Hg- 1	1	MC23594-1	0.66	100	5	
	STD#6		100	3	4 ml of METSTD 30944 Hg- 1	1	MC23602-1	0.66	100	5	
	STD#7		100	3	5 ml of METSTD 30944 Hg- 1	1	MC23602-2	0.66	100	5	
	STD#8		100	3	6 ml of METSTD 30944 Hg- 1	1	MC23602-3	0.69	100	5	
	ICV		100	3	4 ml of METSTD 30945 Hg- 1	1	MC23602-4	0.78	100	5	
	CCV		100	3	3 ml of METSTD 30944 Hg- 1	1	MC23630-1	0.63	100	5	
	CRI		100	3	2 ml of METSTD 30944 Hg- 2		MP21523-LC1	0.6	100	5	VENDOR-13657
	ICB		100	3							
	CCB		100	3							
*	MB	0.6	100	3							
*	SB	0.6	100	3	3 ml of METSTD 30944 Hg- 1						
*	SBD	0.6	100	3	3 ml of METSTD 30944 Hg- 1						
1	MS MC23518-1	0.66	100	5	3 ml of METSTD 30944 Hg- 1						
1	MSD MC23518-1	0.66	100	5	3 ml of METSTD 30944 Hg- 1						
1	MC23518-1	0.65	100	5							
1	MC23582-1	0.64	100	5							
1	MC23582-2	0.66	100	5							

Reagent Lot#

Pot. Permanganate	RGT- 36842 _HG	Stannous Chloride	RGT- 37065 _HG	Conc. HNO3	Vendor- ***N/A***
Aqua Regia	RGT- 37064 _HG	Stannous Sulfate	RGT- ****N/A**** _HG	Conc. H2SO4	Vendor- ***N/A***
Hydroxylamine.SO4	RGT- 36980 _HG	Instrument ID:	HG-1	Dig.Tubes	MM01LKK0

Comment: * SAND USED : VENDOR-12599.

QC Review: PuiY **Date:** 8/20/13 **MMA015-02**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File Utility Help
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Protocol 1082013S
Dataset/Proto #HG5
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Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 1.43341e-4
C -1.40772e-2
Rho .999744
Type Linear
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S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 -.013 -.013 8 1 7
02 .20000 .172 -.028 1300 0% 1300
03 .50000 .487 -.013 3494 0% 3493
04 1.0000 1.08 .078 7620 0% 7620
05 2.0000 1.95 -.052 13687 0% 13687
06 3.0000 3.00 -.004 21000 0% 20999
Ready
CAP NUM

New England ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP16483/GN44028	0.12	0.0	mg/kg	1.2	1.28	106.7	90-110%
Cyanide	GP16483/GN44028			mg/kg	2.4	2.53	105.4	90-110%
Cyanide	GP16483/GN44028			mg/kg	60.7	60.7	100.0	16-110%

Associated Samples:
Batch GP16483: MC23593-1, MC23593-2
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Cyanide	GP16483/GN44028	mg/kg	1.2	1.30	1.6	

Associated Samples:
Batch GP16483: MC23593-1, MC23593-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP16483/GN44028	MC23593-2	mg/kg	0.0	0.0	0.0	0-20%
Solids, Percent	GN44022	MC23569-5	%	86	88.1	2.4	0-20%

Associated Samples:
Batch GN44022: MC23593-1, MC23593-2
Batch GP16483: MC23593-1, MC23593-2
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP16483/GN44028	MC23593-2	mg/kg	0.0	1.35	1.5	111.3	75-125%

Associated Samples:
Batch GP16483: MC23593-1, MC23593-2
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: 081913S1.CN Date Analyzed: 08/19/13 Methods: SW846 9012 M
Analyst: MA Run ID: GN44028
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:21	GN44028-STD1	1		STDA0.50
12:22	GN44028-STD2	1		STDC0.30
12:23	GN44028-STD3	1		STDD0.20
12:24	GN44028-STD4	1		STDE0.10
12:25	GN44028-STD5	1		STDG0.030
12:26	GN44028-STD6	1		STDH0.010
12:27	GN44028-STD7	1		STDI0.00
12:30	GN44028-ICV1	1		
12:31	GN44028-ICB1	1		
12:32	GN44028-CCV1	1		
12:33	GN44028-CCB1	1		
12:34	GP16483-MB1	1		
12:36	GP16483-B1	1		
12:37	GP16483-B2	1		
12:38	GP16483-B3	1		
12:39	GP16483-LC1	20		
12:40	GP16483-S1	1		
12:41	GP16483-D1	1		
12:42	MC23593-2	1		
12:43	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:45	GN44028-CCV2	1		
12:46	GN44028-CCB2	1		
12:47	ZZZZZZ	1		
12:48	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:51	ZZZZZZ	1		
12:52	ZZZZZZ	1		
12:53	MC23593-1	1		
12:54	ZZZZZZ	1		
12:55	GN44028-CCV3	1		
12:56	GN44028-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: MC23593
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: 081913S1.CN Date Analyzed: 08/19/13 Methods: SW846 9012 M
Run ID: GN44028 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN44028-ICV1	Cyanide	0.21	0.010	0.0021	.2	105.0	90-110
GN44028-ICB1	Cyanide	-0.0073	0.010	0.0021			
GN44028-CCV1	Cyanide	0.31	0.010	0.0021	.3	103.3	90-110
GN44028-CCB1	Cyanide	-0.0070	0.010	0.0021			
GN44028-CCV2	Cyanide	0.31	0.010	0.0021	.3	103.3	90-110
GN44028-CCB2	Cyanide	-0.0071	0.010	0.0021			
GN44028-CCV3	Cyanide	0.31	0.010	0.0021	.3	103.3	90-110
GN44028-CCB3	Cyanide	-0.0085	0.010	0.0021			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: MC23593
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MC23593-1 **Analyzed:** 19-AUG-13 by HS **Method:** SM21 2540 B MOD.
ClientID: MW-01-1'

Wet Weight (Total)	35.53	g
Tare Weight	24.045	g
Dry Weight (Total)	34.85	g
Solids, Percent	94.1	%

Sample: MC23593-2 **Analyzed:** 19-AUG-13 by HS **Method:** SM21 2540 B MOD.
ClientID: MW-02-6' -7.5'

Wet Weight (Total)	39.069	g
Tare Weight	28.469	g
Dry Weight (Total)	37.854	g
Solids, Percent	88.5	%

New England ACCUTEST LABORATORIES

General Chemistry

Raw Data

ACCUTEST

Protected Worksheet MGN117-02

(Format edits must be done by Dept. manager)

Analyst	MEHDIA	**Test/Analysis**	CN SW846 9012
Date	8/19/13	**Analysis Batch ID**	GN44028
Instrument ID	LACHAT	**Prep Batch ID**	GP16483
File ID	081913S1.CN		

Reagents

Calib STD	GNSTD-	30939-CN	**Buffer**	RGT-	37057-CN
ICV	GNSTD-	30935-CN-2	**Carrier**	RGT-	36280-CN
CCV	GNSTD-	30939-CN-4	**Chloramine-T**	RGT-	37056-CN
			Pyridine Barb. Acid	RGT-	36849-CN

Standardization

Reagent/Stock Std:		NA ◉	Cyanide ○		
-		-	-	-	
-					

Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH

COMMENTS

Cyanide stock standardization was performed on 08/16/13 (GN43997).

QC Review **Date:** 8/20/13

QC Reports: GN44028

Raw Data GN44028: Cyanide page 1 of 4

ACCUTEST

Distillation

Protected Worksheet MGN127-01

(Format edits must be done by Dept. manager)

Analyst:	MEHDIA	Date	8/19/13	Batch ID	GP16483	Matrix	Solids
QC Sample	MC23593-2	Balance ID	ACC-4	pH Meter ID	N/A	Block ID	MICRO

Analysis Type

CN EPA 335.4 ○	CN SW846 9010B ◉	CN-A SM21 4500CN-G/335.4 ○	CN-A SW846 9010 ○
PAC MADEP ○	CREAC Chap 7 ○	SREAC Chap7 ○	CNWAD SM20 4500CN-I ○

Sample ID	Bot #	ID	Interfere Chk CL	Interfere Chk S	Init. pH	SMPL Amt G	DIST Vol ML	Start Time	End Time	Comments/Spike
GP16483-LC1		N/A	ND	ND	>12	0.5	6	8:49	8:19	VENDOR-13516
GP16483-MB1	*	N/A	ND	ND	>12	0.5	6	8:49	8:19	
GP16483-B1	*	N/A	ND	ND	>12	0.5	6	8:49	8:19	0.10 ML OF SPIKE
GP16483-S1	2	N/A	ND	ND	>12	0.503	6	8:49	8:19	0.10 ML OF SPIKE
GP16483-D1	2	N/A	ND	ND	>12	0.509	6	8:49	8:19	
GP16483-B2	*	N/A	ND	ND	>12	0.5	6	8:49	8:19	0.10 ML OF SPIKE
GP16483-B3	*	N/A	ND	ND	>12	0.5	6	8:49	8:19	0.20 ML OF SPIKE
MC23490-1	1	N/A	ND	ND	>12	0.508	6	8:49	8:19	
MC23529-1	1	N/A	ND	ND	>12	0.511	6	8:49	8:19	
MC23529-2	1	N/A	ND	ND	>12	0.532	6	8:49	8:19	
MC23529-3	1	N/A	ND	ND	>12	0.555	6	8:49	8:19	
MC23529-4	1	N/A	ND	ND	>12	0.505	6	8:49	8:19	
MC23529-5	1	N/A	ND	ND	>12	0.527	6	8:49	8:19	
MC23550-1	1	N/A	ND	ND	>12	0.512	6	8:49	8:19	
MC23550-2	1	N/A	ND	ND	>12	0.502	6	8:49	8:19	
MC23593-1	2	N/A	ND	ND	>12	0.503	6	8:49	8:19	
MC23593-2	2	N/A	ND	ND	>12	0.517	6	8:49	8:19	
MC23630-1	1	N/A	ND	ND	>12	0.5	6	8:49	8:19	
ICV		N/A	ND	ND	>12	6 ML	6	8:49	8:19	0.20 ML OF ICV SPIKE

MA

8-19-13

Reagent Lot # (Refer to Indivdual SOP for amounts added)

Sulfamic Acid	VENDOR-5746	Spike Solution	GNSTD-30934-CN-2
Conc. H2SO4	VENDOR-13928	ICV Stock Solution	GNSTD-30935-CN-2
NaOH	RGT-36753-CN	0.25N NAOH	RGT-36280-CN
MgCl2.6H2O	RGT-35456-CN	N/A	
Bismuth Nitrate	N/A	N/A	

Comment: * USED SAND VENDOR-12599.

QC Review _____ Date 8/20/13

13.1 13

Author: chemistry

Date : 8/19/2013

Original Run Filename: OM_8-19-2013_12-20-34PM.OMN Created: 8/19/2013 12:20:34 PM
Original Run Author's Signature: [chemistry]
Current Run Filename: OM_8-19-2013_12-20-34PM.OMN Last Modified: 8/19/2013 12:58:55 PM
Current Run Author's Signature: [chemistry]
Description: Default New Run

Sample	Rep.	Channel 1 Cn (mg/L)	MDF
StdA0.50	1	0.500	
StdC0.30	1	0.300	
StdD0.20	1	0.200	
StdE0.10	1	0.100	
StdG0.030	1	0.0300	
StdH0.010	1	0.0100	
StdI0.00	1	0.00	
ICV	1	0.205	
Calibration:		Table/Fig. : 1	
ICB	1	-7.33e-3	
CCV	1	0.308	
CCB	1	-7.02e-3	
GP16483-MB1	1	-4.77e-3	
GP16483-B1	1	0.107	
GP16483-B2	1	0.108	
GP16483-B3	1	0.211	
GP16483-LC1	1	0.253	20.00
GP16483-S1	1	0.109	
GP16483-D1	1	1.72e-3	
MC23593-2	1	4.47e-4	
MC23490-1	1	3.19e-3	
MC23529-1	1	1.20e-4	
CCV	1	0.311	
CCB	1	-7.13e-3	
MC23529-2	1	-2.24e-3	
MC23529-3	1	-2.62e-3	
MC23529-4	1	-2.89e-3	
MC23529-5	1	-2.61e-3	
MC23550-1	1	3.33e-3	
MC23550-2	1	2.64e-3	
MC23593-1	1	0.0485	
MC23630-1	1	0.0163	
CCV	1	0.313	
CCB	1	-8.52e-3	

Table : 1 (Cn)

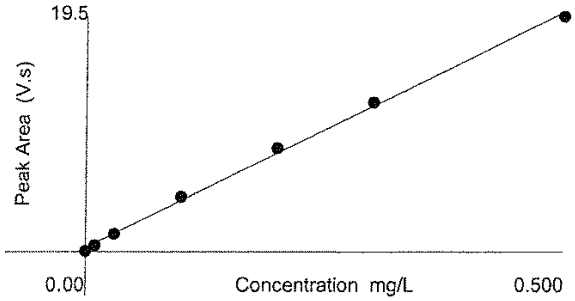
	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	19.5	1.05	0.0	1.9	0.490	8/19/2013	12:21:34 PM
2	0.300	1	12.4	0.677	0.0	-2.6	0.308	8/19/2013	12:22:33 PM
3	0.200	1	8.54	0.469	0.0	-4.6	0.210	8/19/2013	12:23:38 PM
4	0.100	1	4.54	0.251	0.0	-6.6	0.107	8/19/2013	12:24:43 PM
5	0.0300	1	1.47	0.0810	0.0	3.4	0.0289	8/19/2013	12:25:47 PM
6	0.0100	1	0.516	0.0280	0.0	30.0	4.66e-3	8/19/2013	12:26:52 PM
7	0.00	1	0.0371	2.47e-3			-7.56e-3	8/19/2013	12:27:56 PM

8/20/13

Author: chemistry

Date : 8/19/2013

Figure : 1 (Cn)



Area = 39.1 * Conc + 0.345
Conc = 0.0255 * Area - 8.50e-3
Correlation Coefficient (r) = 0.99903

Weighting : None

8/29/13

ACCUTEST LABORATORIES MC23593

New England ACCUTEST LABORATORIES

09/03/13

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC23630

Sampling Dates: 08/15/13 - 08/16/13

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **472**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) ISO 17025:2005 (L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC23630

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
MC23630-1	08/15/13	09:55	PZ	08/17/13	SO	Soil	MW-04-6'
MC23630-2	08/15/13	09:58	PZ	08/17/13	SO	Soil	MW-04-9.5'-10'
MC23630-3	08/15/13	16:25	PZ	08/17/13	SO	Soil	SB-250-4'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environmental & Energy **Job No** MC23630

Site: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, **Report Date** 8/30/2013 5:35:04 PM

3 Sample(s) were collected on 08/15/2013 and were received at Accutest on 08/17/2013 properly preserved, at 0.8 Deg. C and intact. These Samples received an Accutest job number of MC23630. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix SO **Batch ID:** MSG5093

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23582-1MS, MC23582-1MSD were used as the QC samples indicated.
- MSG5093-BSD Recovery(s) for 2-Butanone (MEK) are outside control limits. Blank Spike meets program technical requirements.
- MSG5093-BS Recovery(s) for 2-Hexanone, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane are outside control limits. Blank Spike meets program technical requirements.
- Matrix Spike Recovery(s) for Acetone are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for Acetone, Vinyl chloride are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- RPD of MSG5093-BSD for Chloromethane, Dichlorodifluoromethane: Outside control limits. Blank Spike meets program technical requirement
- Calibration stdanard MSG5093-ICV5092, MSG5093-CC5092 for dichlorodifluoromethane, chloromethane, bromomethane, chloroethane, 2-hexanone exceeded 30% Difference (response biased high). Associated samples are non-detect for these compounds
- Calibration stdanard MSG5093-ICV5092, MSG5093-CC5092 for Methyl Acetate exceeded 30% Difference.
- RPD of MSG5093-BSD for Acetone, Methyl Acetate, 1,1,2-Trichloroethane, Vinyl chloride: Outside control limits. Individual spike recoveries within acceptance limits.

Matrix SO **Batch ID:** MSP2332

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC23630-2MS, MC23630-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- MSP2332-BS Recovery(s) for 1,2-Dichloroethane, Bromomethane, Chloromethane, Dichlorodifluoromethane are outside control limits. Blank Spike meets program technical requirements.
- MSP2332-BS, MC23630-2MS, MC23630-2MSD Recovery(s) for 1,1,1-Trichloroethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Trichlorofluoromethane outside control limits. Associated samples are non-detect for this compound.
- Matrix Spike Recovery(s) for 1,1-Dichloroethene, 1,2-Dibromo-3-chloropropane, 1,2-Dichloroethane, 4-Methyl-2-pentanone (MIBK), Bromomethane, Chloroform, Dibromochloromethane, Dichlorodifluoromethane, Freon 113, Methyl Tert Butyl Ether, Methylene chloride, Styrene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for 1,2-Dibromo-3-chloropropane, 1,2-Dichloroethane, 4-Methyl-2-pentanone (MIBK), Bromomethane, Chloromethane, Dichlorodifluoromethane, Styrene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Calibration standard MSP2332-CC2318 for trichlorofluoromethane, 1,1,1-trichloroethane, carbon tetrachloride, 1,2-dichloroethane, bromodichloromethane, bromoform exceeded 30% Difference (response biased high). Associated samples are non-detect for these compounds.

Volatiles by GCMS By Method SW846 8260B

Matrix SO **Batch ID:** MSP2332

- MC23630-2 has internal standard outside control limits. Outside control limits due to possible matrix interference. Confirmed by MS/MSD.
- Calibration standard MSP2332-CC2318 for acetone exceeded 30% Difference.

Extractables by GCMS By Method SW846 8270C

Matrix SO **Batch ID:** OP34472

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) MC23630-1MS, MC23630-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- OP34472-BS/BSD Recovery(s) for Benzaldehyde, Hexachlorocyclopentadiene are outside control limits. Blank Spike meets program technical requirements.
- OP34472-MS/MSD Recovery(s) for 2,4-Dinitrophenol, 3,3'-Dichlorobenzidine, Benzaldehyde, Hexachlorocyclopentadiene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.

Metals By Method SW846 6010C

Matrix SO **Batch ID:** MP21521

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23518-1MS, MC23518-1MSD, MC23518-1SDL were used as the QC samples for metals.

Metals By Method SW846 7471B

Matrix SO **Batch ID:** MP21523

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23518-1MS, MC23518-1MSD were used as the QC samples for metals.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix SO **Batch ID:** GN44022

- Sample(s) MC23569-5DUP were used as the QC samples for Solids, Percent.

Wet Chemistry By Method SW846 9012 M

Matrix SO **Batch ID:** GP16483

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23593-2DUP, MC23593-2MS were used as the QC samples for Cyanide.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC23630).

Summary of Hits

Job Number: MC23630
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Collected: 08/15/13 thru 08/16/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC23630-1	**MW-04-6'**					
Acenaphthene		70.9 J	120	16	ug/kg	SW846 8270C
Acenaphthylene		190	120	12	ug/kg	SW846 8270C
Anthracene		303	120	14	ug/kg	SW846 8270C
Benzo(a)anthracene		873	120	15	ug/kg	SW846 8270C
Benzo(a)pyrene		801	120	12	ug/kg	SW846 8270C
Benzo(b)fluoranthene		957	120	14	ug/kg	SW846 8270C
Benzo(g,h,i)perylene		1040	120	12	ug/kg	SW846 8270C
Benzo(k)fluoranthene		706	120	18	ug/kg	SW846 8270C
Carbazole		186	120	14	ug/kg	SW846 8270C
Chrysene		999	120	14	ug/kg	SW846 8270C
Dibenzo(a,h)anthracene		228	120	14	ug/kg	SW846 8270C
Dibenzofuran		259	120	16	ug/kg	SW846 8270C
Di-n-butyl phthalate		94.9 J	290	31	ug/kg	SW846 8270C
bis(2-Ethylhexyl)phthalate		272 J	290	11	ug/kg	SW846 8270C
Fluoranthene		1610	120	16	ug/kg	SW846 8270C
Fluorene		63.6 J	120	15	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene		674	120	13	ug/kg	SW846 8270C
2-Methylnaphthalene		435	120	15	ug/kg	SW846 8270C
Naphthalene		577	120	19	ug/kg	SW846 8270C
Phenanthrene		1210	120	16	ug/kg	SW846 8270C
Pyrene		1400	120	14	ug/kg	SW846 8270C
Total TIC, Semi-Volatile		5430 J			ug/kg	
Arsenic		11.8	0.92	0.19	mg/kg	SW846 6010C
Barium		93.1	4.6	0.067	mg/kg	SW846 6010C
Cadmium		0.38	0.37	0.039	mg/kg	SW846 6010C
Chromium		112	0.92	0.087	mg/kg	SW846 6010C
Lead		74.5	0.92	0.15	mg/kg	SW846 6010C
Mercury		0.076	0.037	0.011	mg/kg	SW846 7471B
Selenium		0.51 B	0.92	0.32	mg/kg	SW846 6010C
Cyanide		0.23	0.14		mg/kg	SW846 9012 M
MC23630-2	**MW-04-9.5'-10'**					
Acetone		6.5 J	12	4.6	ug/kg	SW846 8260B
MC23630-3	**SB-250-4'**					
Tetrachloroethene		166	100	23	ug/kg	SW846 8260B
1,1,1-Trichloroethane		210	100	9.3	ug/kg	SW846 8260B
Trichloroethene		631	100	25	ug/kg	SW846 8260B

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@141027 14:21 03-Sep-2013

Report of Analysis

Client Sample ID:	MW-04-6'		
Lab Sample ID:	MC23630-1	**Date Sampled:**	08/15/13
Matrix:	SO - Soil	**Date Received:**	08/17/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	85.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R32901.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200
Run #2							

	Initial Weight	Final Volume
Run #1	20.1 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	290	13	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	580	15	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	580	17	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	580	95	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	580	72	ug/kg	
95-48-7	2-Methylphenol	ND	580	23	ug/kg	
	3&4-Methylphenol	ND	580	28	ug/kg	
88-75-5	2-Nitrophenol	ND	580	15	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	110	ug/kg	
87-86-5	Pentachlorophenol	ND	580	41	ug/kg	
108-95-2	Phenol	ND	290	16	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	580	14	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	580	14	ug/kg	
83-32-9	Acenaphthene	70.9	120	16	ug/kg	J
208-96-8	Acenaphthylene	190	120	12	ug/kg	
98-86-2	Acetophenone	ND	580	13	ug/kg	
120-12-7	Anthracene	303	120	14	ug/kg	
1912-24-9	Atrazine	ND	580	580	ug/kg	
100-52-7	Benzaldehyde	ND	580	580	ug/kg	
56-55-3	Benzo(a)anthracene	873	120	15	ug/kg	
50-32-8	Benzo(a)pyrene	801	120	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	957	120	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1040	120	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	706	120	18	ug/kg	
92-52-4	1,1'-Biphenyl	ND	580	120	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	290	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	290	12	ug/kg	
105-60-2	Caprolactam	ND	580	580	ug/kg	
91-58-7	2-Chloronaphthalene	ND	290	16	ug/kg	
106-47-8	4-Chloroaniline	ND	580	14	ug/kg	
86-74-8	Carbazole	186	120	14	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-04-6'		
Lab Sample ID:	MC23630-1	**Date Sampled:**	08/15/13
Matrix:	SO - Soil	**Date Received:**	08/17/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	85.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	999	120	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	290	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	290	18	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	290	21	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	290	18	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	580	39	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	580	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	290	29	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	228	120	14	ug/kg	
132-64-9	Dibenzofuran	259	120	16	ug/kg	
84-74-2	Di-n-butyl phthalate	94.9	290	31	ug/kg	J
117-84-0	Di-n-octyl phthalate	ND	290	9.1	ug/kg	
84-66-2	Diethyl phthalate	ND	290	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	290	17	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	272	290	11	ug/kg	J
206-44-0	Fluoranthene	1610	120	16	ug/kg	
86-73-7	Fluorene	63.6	120	15	ug/kg	J
118-74-1	Hexachlorobenzene	ND	290	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	580	140	ug/kg	
67-72-1	Hexachloroethane	ND	290	14	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	674	120	13	ug/kg	
78-59-1	Isophorone	ND	290	13	ug/kg	
91-57-6	2-Methylnaphthalene	435	120	15	ug/kg	
88-74-4	2-Nitroaniline	ND	580	14	ug/kg	
99-09-2	3-Nitroaniline	ND	580	32	ug/kg	
100-01-6	4-Nitroaniline	ND	580	14	ug/kg	
91-20-3	Naphthalene	577	120	19	ug/kg	
98-95-3	Nitrobenzene	ND	290	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	290	17	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	290	18	ug/kg	
85-01-8	Phenanthrene	1210	120	16	ug/kg	
129-00-0	Pyrene	1400	120	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	61%		30-130%
4165-62-2	Phenol-d5	63%		30-130%
118-79-6	2,4,6-Tribromophenol	63%		30-130%
4165-60-0	Nitrobenzene-d5	55%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-04-6'		
Lab Sample ID:	MC23630-1	**Date Sampled:**	08/15/13
Matrix:	SO - Soil	**Date Received:**	08/17/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	85.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	69%		30-130%
1718-51-0	Terphenyl-d14	73%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
79-01-6	Trichloroethylene	2.02	1000	ug/kg	JN
571-58-4	Naphthalene, 1,4-dimethyl-	6.43	620	ug/kg	JN
629-50-5	Tridecane	7.12	540	ug/kg	JN
629-59-4	Tetradecane	8.46	480	ug/kg	JN
949-41-7	1H-Cyclopropa[l]phenanthrene, 1a, 9b	8.69	430	ug/kg	JN
629-62-9	Pentadecane	8.90	620	ug/kg	JN
629-78-7	Heptadecane	9.33	450	ug/kg	JN
593-45-3	Octadecane	10.17	610	ug/kg	JN
205-99-2	Benz[e]acephenanthrylene	12.58	680	ug/kg	JN
	Total TIC, Semi-Volatile		5430	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-04-6'
Lab Sample ID: MC23630-1
Matrix: SO - Soil
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Date Sampled: 08/15/13
Date Received: 08/17/13
Percent Solids: 85.7

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	11.8	0.92	0.19	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Barium	93.1	4.6	0.067	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Cadmium	0.38	0.37	0.039	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Chromium	112	0.92	0.087	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Lead	74.5	0.92	0.15	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Mercury	0.076	0.037	0.011	mg/kg	1	08/20/13	08/20/13	EM	SW846 7471B [1]	SW846 7471B [4]
Selenium	0.51 B	0.92	0.32	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Silver	0.11 U	0.46	0.11	mg/kg	1	08/19/13	08/20/13	EAL	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA16001
(2) Instrument QC Batch: MA16005
(3) Prep QC Batch: MP21521
(4) Prep QC Batch: MP21523

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-04-6'		
Lab Sample ID:	MC23630-1	**Date Sampled:**	08/15/13
Matrix:	SO - Soil	**Date Received:**	08/17/13
		Percent Solids:	85.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.23	0.14	mg/kg	1	08/19/13 12:54	MA	SW846 9012 M
Solids, Percent	85.7		%	1	08/19/13	HS	SM21 2540 B MOD.

RL = Reporting Limit

Accutest LabLink@141027 14:21 03-Sep-2013

Report of Analysis

Client Sample ID:	MW-04-9.5'-10'		
Lab Sample ID:	MC23630-2	**Date Sampled:**	08/15/13
Matrix:	SO - Soil	**Date Received:**	08/17/13
Method:	SW846 8260B	**Percent Solids:**	86.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P71206.D	1	08/22/13	KD	n/a	n/a	MSP2332
Run #2							

	Initial Weight	Final Volume
Run #1	4.85 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	6.5	12	4.6	ug/kg	J
71-43-2	Benzene	ND	0.59	0.29	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.43	ug/kg	
75-25-2	Bromoform	ND	2.4	0.35	ug/kg	
74-83-9	Bromomethane	ND	2.4	1.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.9	3.7	ug/kg	
75-15-0	Carbon disulfide	ND	5.9	0.18	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.32	ug/kg	
75-00-3	Chloroethane	ND	5.9	0.71	ug/kg	
67-66-3	Chloroform	ND	2.4	0.34	ug/kg	
74-87-3	Chloromethane	ND	5.9	1.4	ug/kg	
110-82-7	Cyclohexane	ND	5.9	0.32	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.9	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.51	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.4	0.67	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.4	0.25	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.4	0.26	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.4	0.24	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.4	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.4	0.39	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.4	0.65	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.4	0.62	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.4	0.60	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.4	0.53	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.50	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.34	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.35	ug/kg	
100-41-4	Ethylbenzene	ND	2.4	0.21	ug/kg	
76-13-1	Freon 113	ND	5.9	1.1	ug/kg	
591-78-6	2-Hexanone	ND	5.9	2.9	ug/kg	
98-82-8	Isopropylbenzene	ND	5.9	0.33	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-04-9.5'-10'		
Lab Sample ID:	MC23630-2	**Date Sampled:**	08/15/13
Matrix:	SO - Soil	**Date Received:**	08/17/13
Method:	SW846 8260B	**Percent Solids:**	86.7
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.9	3.3	ug/kg	
108-87-2	Methylcyclohexane	ND	5.9	0.25	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.4	0.47	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.9	2.2	ug/kg	
75-09-2	Methylene chloride	ND	2.4	1.8	ug/kg	
100-42-5	Styrene	ND	5.9	0.24	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.35	ug/kg	
127-18-4	Tetrachloroethene	ND	2.4	0.53	ug/kg	
108-88-3	Toluene	ND	5.9	0.29	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	0.43	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.21	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.41	ug/kg	
79-01-6	Trichloroethene	ND	2.4	0.56	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.4	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	0.68	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	0.24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		70-130%
2037-26-5	Toluene-D8	85%		70-130%
460-00-4	4-Bromofluorobenzene	94%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@141027 14:21 03-Sep-2013

Report of Analysis

Client Sample ID:	SB-250-4'		
Lab Sample ID:	MC23630-3	**Date Sampled:**	08/15/13
Matrix:	SO - Soil	**Date Received:**	08/17/13
Method:	SW846 8260B	**Percent Solids:**	88.2
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G130702.D	1	08/21/13	JM	n/a	n/a	MSG5093
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	12.6 g	10.0 ml	100 ul
Run #2			

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	520	200	ug/kg	
71-43-2	Benzene	ND	26	13	ug/kg	
75-27-4	Bromodichloromethane	ND	100	19	ug/kg	
75-25-2	Bromoform	ND	100	15	ug/kg	
74-83-9	Bromomethane	ND	100	50	ug/kg	
78-93-3	2-Butanone (MEK)	ND	260	160	ug/kg	
75-15-0	Carbon disulfide	ND	260	7.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	60	ug/kg	
108-90-7	Chlorobenzene	ND	100	14	ug/kg	
75-00-3	Chloroethane	ND	260	31	ug/kg	
67-66-3	Chloroform	ND	100	15	ug/kg	
74-87-3	Chloromethane	ND	260	63	ug/kg	
110-82-7	Cyclohexane	ND	260	14	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	260	100	ug/kg	
124-48-1	Dibromochloromethane	ND	100	22	ug/kg	
106-93-4	1,2-Dibromoethane	ND	100	29	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	100	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	100	12	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	100	10	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	100	58	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	28	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	27	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	26	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	23	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	22	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	15	ug/kg	
100-41-4	Ethylbenzene	ND	100	9.2	ug/kg	
76-13-1	Freon 113	ND	260	47	ug/kg	
591-78-6	2-Hexanone	ND	260	130	ug/kg	
98-82-8	Isopropylbenzene	ND	260	14	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-250-4'		
Lab Sample ID:	MC23630-3	**Date Sampled:**	08/15/13
Matrix:	SO - Soil	**Date Received:**	08/17/13
Method:	SW846 8260B	**Percent Solids:**	88.2
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	260	140	ug/kg	
108-87-2	Methylcyclohexane	ND	260	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	100	21	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	260	96	ug/kg	
75-09-2	Methylene chloride	ND	100	80	ug/kg	
100-42-5	Styrene	ND	260	11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	15	ug/kg	
127-18-4	Tetrachloroethene	166	100	23	ug/kg	
108-88-3	Toluene	ND	260	13	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	260	19	ug/kg	
71-55-6	1,1,1-Trichloroethane	210	100	9.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	18	ug/kg	
79-01-6	Trichloroethene	631	100	25	ug/kg	
75-69-4	Trichlorofluoromethane	ND	100	54	ug/kg	
75-01-4	Vinyl chloride	ND	100	29	ug/kg	
1330-20-7	Xylene (total)	ND	100	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY RECORD

Page 1 of 1

Project Number:	Site and Location:
42559/5	Emerson EPT/Ithaca, NY
Contact Name:	**Contact Email:**
Lisa Bryda	@wspgroup.com
Sampler's Name:	**Sampler's Signature:**
Paul Zarella	

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses: RCRA Metals; TCL SVOCs; TCL VOCs; MC23630

Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	RCRA Metals	TCL SVOCs	TCL VOCs						Remarks
-1 MW-04-6'	6'	8/15/13	0955	S	1	X	X							
-2 MW-04-9.5-10'	9.5-10	8/15/13	0958	S	1			X						
-3 SB-250-4'	4'	8/13/13	1625	S	1			X						
-4 Quench Cl D.C		8/16/13	1100	OW	2				X					Hold 1 Jar

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC23630

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC23630-1	Collected: 15-AUG-13 09:55 By: PZ		Received: 17-AUG-13 By:			
MW-04-6'						
MC23630-1	SM21 2540 B MOD.	19-AUG-13	HS			%SOL
MC23630-1	SW846 9012 M	19-AUG-13 12:54	MA	19-AUG-13	MA	CN
MC23630-1	SW846 7471B	20-AUG-13 12:35	EM	20-AUG-13	EM	HG
MC23630-1	SW846 6010C	20-AUG-13 16:42	EAL	19-AUG-13	EM	AG,AS,BA,CD,CR,PB,SE
MC23630-1	SW846 8270C	21-AUG-13 20:17	KR	19-AUG-13	FC	AB8270TCL42+
MC23630-2	Collected: 15-AUG-13 09:58 By: PZ		Received: 17-AUG-13 By:			
MW-04-9.5'-10'						
MC23630-2	SM21 2540 B MOD.	19-AUG-13	HS			%SOL
MC23630-2	SW846 8260B	22-AUG-13 13:40	KD			V8260TCL42+
MC23630-3	Collected: 15-AUG-13 16:25 By: PZ		Received: 17-AUG-13 By:			
SB-250-4'						
MC23630-3	SM21 2540 B MOD.	19-AUG-13	HS			%SOL
MC23630-3	SW846 8260B	21-AUG-13 19:14	JM			V8260TCL42+

Accutest Internal Chain of Custody

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Received: 08/17/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC23630-1.1	Walk In Ref #9	Mehdi Abdolrahim	08/19/13 07:51	Retrieve from Storage
MC23630-1.1	Mehdi Abdolrahim	Walk In Ref #9	08/19/13 09:04	Return to Storage
MC23630-1.1	Walk In Ref #9	Thomas Abruzzise	08/19/13 14:47	Retrieve from Storage
MC23630-1.1	Thomas Abruzzise	Walk In Ref #9	08/19/13 22:40	Return to Storage
MC23630-1.1	Walk In Ref #9	Eric Mensah	08/20/13 07:44	Retrieve from Storage
MC23630-1.1	Eric Mensah	Walk In Ref #9	08/20/13 07:44	Return to Storage
MC23630-2.1	Walk In Ref #9	Hamid Siamak	08/19/13 08:15	Retrieve from Storage
MC23630-2.1	Hamid Siamak	Walk In Ref #9	08/19/13 10:58	Return to Storage
MC23630-3.1	Walk In Ref #9	Hamid Siamak	08/19/13 08:15	Retrieve from Storage
MC23630-3.1	Hamid Siamak	Walk In Ref #9	08/19/13 10:58	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5093-MB	G130687.D	1	08/21/13	JM	n/a	n/a	MSG5093

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23630-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	190	ug/kg	
71-43-2	Benzene	ND	25	12	ug/kg	
75-27-4	Bromodichloromethane	ND	100	18	ug/kg	
75-25-2	Bromoform	ND	100	15	ug/kg	
74-83-9	Bromomethane	ND	100	49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	250	150	ug/kg	
75-15-0	Carbon disulfide	ND	250	7.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	58	ug/kg	
108-90-7	Chlorobenzene	ND	100	13	ug/kg	
75-00-3	Chloroethane	ND	250	30	ug/kg	
67-66-3	Chloroform	ND	100	14	ug/kg	
74-87-3	Chloromethane	ND	250	61	ug/kg	
110-82-7	Cyclohexane	ND	250	13	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	100	ug/kg	
124-48-1	Dibromochloromethane	ND	100	21	ug/kg	
106-93-4	1,2-Dibromoethane	ND	100	28	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	100	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	100	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	100	10	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	100	56	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	27	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	26	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	22	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	15	ug/kg	
100-41-4	Ethylbenzene	ND	100	8.9	ug/kg	
76-13-1	Freon 113	ND	250	46	ug/kg	
591-78-6	2-Hexanone	ND	250	120	ug/kg	
98-82-8	Isopropylbenzene	ND	250	14	ug/kg	
79-20-9	Methyl Acetate	ND	250	140	ug/kg	
108-87-2	Methylcyclohexane	ND	250	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	100	20	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	92	ug/kg	

Method Blank Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5093-MB	G130687.D	1	08/21/13	JM	n/a	n/a	MSG5093

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23630-3

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	100	77	ug/kg	
100-42-5	Styrene	ND	250	10	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	15	ug/kg	
127-18-4	Tetrachloroethene	ND	100	22	ug/kg	
108-88-3	Toluene	ND	250	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100	9.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	17	ug/kg	
79-01-6	Trichloroethene	ND	100	24	ug/kg	
75-69-4	Trichlorofluoromethane	ND	100	52	ug/kg	
75-01-4	Vinyl chloride	ND	100	28	ug/kg	
1330-20-7	Xylene (total)	ND	100	10	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	104%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2332-MB	P71199.D	1	08/22/13	KD	n/a	n/a	MSP2332

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23630-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.9	ug/kg	
71-43-2	Benzene	ND	0.50	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.36	ug/kg	
75-25-2	Bromoform	ND	2.0	0.29	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.97	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.2	ug/kg	
110-82-7	Cyclohexane	ND	5.0	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.52	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.0	0.92	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.28	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.8	ug/kg	
108-87-2	Methylcyclohexane	ND	5.0	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.8	ug/kg	

Method Blank Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2332-MB	P71199.D	1	08/22/13	KD	n/a	n/a	MSP2332

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23630-2

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	4.0	2.0	1.5	ug/kg	
100-42-5	Styrene	ND	5.0	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.44	ug/kg	
108-88-3	Toluene	ND	5.0	0.24	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.47	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.20	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	70-130%
2037-26-5	Toluene-D8	86%	70-130%
460-00-4	4-Bromofluorobenzene	83%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2332-BS	P71196.D	1	08/22/13	KD	n/a	n/a	MSP2332

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23630-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	58.7	117	70-130
71-43-2	Benzene	50	50.7	101	70-130
75-27-4	Bromodichloromethane	50	72.1	144* [a]	70-130
75-25-2	Bromoform	50	71.0	142* [a]	70-130
74-83-9	Bromomethane	50	68.2	136* [b]	70-130
78-93-3	2-Butanone (MEK)	50	45.6	91	70-130
75-15-0	Carbon disulfide	50	54.9	110	70-130
56-23-5	Carbon tetrachloride	50	89.4	179* [a]	70-130
108-90-7	Chlorobenzene	50	49.5	99	70-130
75-00-3	Chloroethane	50	62.3	125	70-130
67-66-3	Chloroform	50	62.4	125	70-130
74-87-3	Chloromethane	50	72.3	145* [b]	70-130
110-82-7	Cyclohexane	50	41.7	83	70-130
96-12-8	1,2-Dibromo-3-chloropropane	50	59.0	118	70-130
124-48-1	Dibromochloromethane	50	64.7	129	70-130
106-93-4	1,2-Dibromoethane	50	52.2	104	70-130
95-50-1	1,2-Dichlorobenzene	50	52.1	104	70-130
541-73-1	1,3-Dichlorobenzene	50	52.2	104	70-130
106-46-7	1,4-Dichlorobenzene	50	56.0	112	70-130
75-71-8	Dichlorodifluoromethane	50	73.0	146* [b]	70-130
75-34-3	1,1-Dichloroethane	50	54.5	109	70-130
107-06-2	1,2-Dichloroethane	50	67.8	136* [b]	70-130
75-35-4	1,1-Dichloroethene	50	65.2	130	70-130
156-59-2	cis-1,2-Dichloroethene	50	48.4	97	70-130
156-60-5	trans-1,2-Dichloroethene	50	48.3	97	70-130
78-87-5	1,2-Dichloropropane	50	48.3	97	70-130
10061-01-5	cis-1,3-Dichloropropene	50	54.8	110	70-130
10061-02-6	trans-1,3-Dichloropropene	50	53.8	108	70-130
100-41-4	Ethylbenzene	50	53.0	106	70-130
76-13-1	Freon 113	50	64.0	128	70-130
591-78-6	2-Hexanone	50	50.6	101	70-130
98-82-8	Isopropylbenzene	50	43.8	88	70-130
79-20-9	Methyl Acetate	50	42.0	84	33-141
108-87-2	Methylcyclohexane	50	48.6	97	78-140
1634-04-4	Methyl Tert Butyl Ether	50	56.1	112	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	50.3	101	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2332-BS	P71196.D	1	08/22/13	KD	n/a	n/a	MSP2332

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23630-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
75-09-2	Methylene chloride	50	61.9	124	70-130
100-42-5	Styrene	50	49.5	99	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	45.1	90	70-130
127-18-4	Tetrachloroethene	50	64.8	130	70-130
108-88-3	Toluene	50	53.1	106	70-130
120-82-1	1,2,4-Trichlorobenzene	50	58.8	118	70-130
71-55-6	1,1,1-Trichloroethane	50	71.2	142* [a]	70-130
79-00-5	1,1,2-Trichloroethane	50	48.8	98	70-130
79-01-6	Trichloroethene	50	58.2	116	70-130
75-69-4	Trichlorofluoromethane	50	73.6	147* [a]	70-130
75-01-4	Vinyl chloride	50	57.3	115	70-130
1330-20-7	Xylene (total)	150	148	99	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	70-130%
2037-26-5	Toluene-D8	87%	70-130%
460-00-4	4-Bromofluorobenzene	79%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.
(b) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5093-BS	G130684.D	1	08/21/13	JM	n/a	n/a	MSG5093
MSG5093-BSD	G130685.D	1	08/21/13	JM	n/a	n/a	MSG5093

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23630-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	2500	2240	90	2900	116	26* a	70-130/25
71-43-2	Benzene	2500	2130	85	2290	92	7	70-130/25
75-27-4	Bromodichloromethane	2500	2480	99	2430	97	2	70-130/25
75-25-2	Bromoform	2500	2650	106	2680	107	1	70-130/25
74-83-9	Bromomethane	2500	3410	136* b	2670	107	24	70-130/25
78-93-3	2-Butanone (MEK)	2500	2990	120	3310	132* b	10	70-130/25
75-15-0	Carbon disulfide	2500	2220	89	2620	105	17	70-130/25
56-23-5	Carbon tetrachloride	2500	2770	111	2600	104	6	70-130/25
108-90-7	Chlorobenzene	2500	2330	93	2310	92	1	70-130/25
75-00-3	Chloroethane	2500	3550	142* b	2750	110	25	70-130/25
67-66-3	Chloroform	2500	2380	95	2510	100	5	70-130/25
74-87-3	Chloromethane	2500	3840	154* b	2640	106	37* b	70-130/25
110-82-7	Cyclohexane	2500	2150	86	2430	97	12	70-130/25
96-12-8	1,2-Dibromo-3-chloropropane	2500	2300	92	2450	98	6	70-130/25
124-48-1	Dibromochloromethane	2500	2530	101	2560	102	1	70-130/25
106-93-4	1,2-Dibromoethane	2500	2450	98	2480	99	1	70-130/25
95-50-1	1,2-Dichlorobenzene	2500	2310	92	2330	93	1	70-130/25
541-73-1	1,3-Dichlorobenzene	2500	2320	93	2300	92	1	70-130/25
106-46-7	1,4-Dichlorobenzene	2500	2390	96	2390	96	0	70-130/25
75-71-8	Dichlorodifluoromethane	2500	3940	158* b	2790	112	34* b	70-130/25
75-34-3	1,1-Dichloroethane	2500	2290	92	2620	105	13	70-130/25
107-06-2	1,2-Dichloroethane	2500	2340	94	2290	92	2	70-130/25
75-35-4	1,1-Dichloroethene	2500	2360	94	2700	108	13	70-130/25
156-59-2	cis-1,2-Dichloroethene	2500	2190	88	2380	95	8	70-130/25
156-60-5	trans-1,2-Dichloroethene	2500	2200	88	2450	98	11	70-130/25
78-87-5	1,2-Dichloropropane	2500	2110	84	2310	92	9	70-130/25
10061-01-5	cis-1,3-Dichloropropene	2500	2440	98	2380	95	2	70-130/25
10061-02-6	trans-1,3-Dichloropropene	2500	3240	130	2550	102	24	70-130/25
100-41-4	Ethylbenzene	2500	2490	100	2450	98	2	70-130/25
76-13-1	Freon 113	2500	2490	100	2720	109	9	70-130/25
591-78-6	2-Hexanone	2500	3410	136* b	3090	124	10	70-130/25
98-82-8	Isopropylbenzene	2500	2500	100	2490	100	0	70-130/25
79-20-9	Methyl Acetate	2500	1400	56	1880	75	29* a	33-141/25
108-87-2	Methylcyclohexane	2500	2520	101	2590	104	3	78-140/25
1634-04-4	Methyl Tert Butyl Ether	2500	2210	88	2440	98	10	70-130/25
108-10-1	4-Methyl-2-pentanone (MIBK)	2500	2310	92	2410	96	4	70-130/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5093-BS	G130684.D	1	08/21/13	JM	n/a	n/a	MSG5093
MSG5093-BSD	G130685.D	1	08/21/13	JM	n/a	n/a	MSG5093

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23630-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	2500	2050	82	2380	95	15	70-130/25
100-42-5	Styrene	2500	2500	100	2500	100	0	70-130/25
79-34-5	1,1,2,2-Tetrachloroethane	2500	2410	96	2450	98	2	70-130/25
127-18-4	Tetrachloroethene	2500	2620	105	2600	104	1	70-130/25
108-88-3	Toluene	2500	2710	108	2490	100	8	70-130/25
120-82-1	1,2,4-Trichlorobenzene	2500	2360	94	2370	95	0	70-130/25
71-55-6	1,1,1-Trichloroethane	2500	2640	106	2600	104	2	70-130/25
79-00-5	1,1,2-Trichloroethane	2500	3110	124	2360	94	27* [a]	70-130/25
79-01-6	Trichloroethene	2500	2240	90	2240	90	0	70-130/25
75-69-4	Trichlorofluoromethane	2500	2620	105	2550	102	3	70-130/25
75-01-4	Vinyl chloride	2500	2980	119	2210	88	30* [a]	70-130/25
1330-20-7	Xylene (total)	7500	7400	99	7310	97	1	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	93%	98%	70-130%
2037-26-5	Toluene-D8	104%	96%	70-130%
460-00-4	4-Bromofluorobenzene	97%	97%	70-130%

(a) Outside control limits. Individual spike recoveries within acceptance limits.
(b) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23582-1MS	G130706.D	1	08/21/13	JM	n/a	n/a	MSG5093
MC23582-1MSD	G130707.D	1	08/21/13	JM	n/a	n/a	MSG5093
MC23582-1	G130692.D	1	08/21/13	JM	n/a	n/a	MSG5093

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23630-3

CAS No.	Compound	MC23582-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		4580	3000	65* [a]	2450	53* [a]	20	70-130/30
71-43-2	Benzene	838		4580	4630	83	4520	80	2	70-130/30
75-27-4	Bromodichloromethane	ND		4580	4440	97	4230	92	5	70-130/30
75-25-2	Bromoform	ND		4580	5410	118	5340	117	1	70-130/30
74-83-9	Bromomethane	ND		4580	5200	113	5160	113	1	70-130/30
78-93-3	2-Butanone (MEK)	ND		4580	4050	88	3520	77	14	70-130/30
75-15-0	Carbon disulfide	ND		4580	3850	84	3840	84	0	70-130/30
56-23-5	Carbon tetrachloride	ND		4580	5200	113	5040	110	3	70-130/30
108-90-7	Chlorobenzene	ND		4580	4310	94	4270	93	1	70-130/30
75-00-3	Chloroethane	ND		4580	4660	102	4630	101	1	70-130/30
67-66-3	Chloroform	ND		4580	4240	93	4110	90	3	70-130/30
74-87-3	Chloromethane	ND		4580	5320	116	5270	115	1	70-130/30
110-82-7	Cyclohexane	ND		4580	3730	81	3640	79	2	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		4580	3990	87	3930	86	2	70-130/30
124-48-1	Dibromochloromethane	ND		4580	4920	107	4860	106	1	70-130/30
106-93-4	1,2-Dibromoethane	ND		4580	4460	97	4350	95	2	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		4580	4150	91	4060	89	2	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		4580	4110	90	4080	89	1	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		4580	4340	95	4210	92	3	70-130/30
75-71-8	Dichlorodifluoromethane	ND		4580	5100	111	4840	106	5	70-130/30
75-34-3	1,1-Dichloroethane	ND		4580	4080	89	3960	86	3	70-130/30
107-06-2	1,2-Dichloroethane	ND		4580	4390	96	4220	92	4	70-130/30
75-35-4	1,1-Dichloroethene	ND		4580	4230	92	4250	93	0	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		4580	3920	86	3790	83	3	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		4580	3920	86	3880	85	1	70-130/30
78-87-5	1,2-Dichloropropane	ND		4580	3620	79	3540	77	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		4580	4050	88	3840	84	5	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		4580	4500	98	4270	93	5	70-130/30
100-41-4	Ethylbenzene	35.8		4580	4540	98	4540	98	0	70-130/30
76-13-1	Freon 113	ND		4580	4320	94	4410	96	2	70-130/30
591-78-6	2-Hexanone	ND		4580	4640	101	4000	87	15	70-130/30
98-82-8	Isopropylbenzene	ND		4580	4240	93	4270	93	1	70-130/30
79-20-9	Methyl Acetate	ND		4580	2570	56	2590	57	1	30-160/30
108-87-2	Methylcyclohexane	ND		4580	4300	94	4210	92	2	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		4580	4020	88	3860	84	4	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		4580	3820	83	3630	79	5	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23582-1MS	G130706.D	1	08/21/13	JM	n/a	n/a	MSG5093
MC23582-1MSD	G130707.D	1	08/21/13	JM	n/a	n/a	MSG5093
MC23582-1	G130692.D	1	08/21/13	JM	n/a	n/a	MSG5093

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23630-3

CAS No.	Compound	MC23582-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	ND		4580	3660	80	3590	78	2	70-130/30
100-42-5	Styrene	ND		4580	4680	102	4610	101	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		4580	3750	82	3690	81	2	70-130/30
127-18-4	Tetrachloroethene	ND		4580	5190	113	5170	113	0	70-130/30
108-88-3	Toluene	451		4580	4820	95	4710	93	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		4580	4280	93	4230	92	1	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		4580	4700	103	4580	100	3	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		4580	3960	86	3760	82	5	70-130/30
79-01-6	Trichloroethene	ND		4580	3980	87	3900	85	2	70-130/30
75-69-4	Trichlorofluoromethane	ND		4580	4640	101	4540	99	2	70-130/30
75-01-4	Vinyl chloride	ND		4580	5760	126	5990	131* [a]	4	70-130/30
1330-20-7	Xylene (total)	292		13700	13900	99	13900	99	0	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23582-1	Limits
1868-53-7	Dibromofluoromethane	92%	89%	104%	70-130%
2037-26-5	Toluene-D8	95%	93%	103%	70-130%
460-00-4	4-Bromofluorobenzene	90%	88%	108%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23630-2MS	P71218.D	1	08/22/13	KD	n/a	n/a	MSP2332
MC23630-2MSD	P71219.D	1	08/22/13	KD	n/a	n/a	MSP2332
MC23630-2	P71206.D	1	08/22/13	KD	n/a	n/a	MSP2332

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23630-2

CAS No.	Compound	MC23630-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	6.5	J	53.5	63.4	106	72.7	121	14	70-130/30
71-43-2	Benzene	ND		53.5	56.5	106	49.7	91	13	70-130/30
75-27-4	Bromodichloromethane	ND		53.5	89.6	167* a	74.8	137* a	18	70-130/30
75-25-2	Bromoform	ND		53.5	84.3	158* a	76.1	140* a	10	70-130/30
74-83-9	Bromomethane	ND		53.5	76.9	144* b	80.8	148* b	5	70-130/30
78-93-3	2-Butanone (MEK)	ND		53.5	64.9	121	56.2	103	14	70-130/30
75-15-0	Carbon disulfide	ND		53.5	63.4	118	58.9	108	7	70-130/30
56-23-5	Carbon tetrachloride	ND		53.5	117	219* a	99.4	182* a	16	70-130/30
108-90-7	Chlorobenzene	ND		53.5	50.8	95	45.3	83	11	70-130/30
75-00-3	Chloroethane	ND		53.5	68.2	127	68.1	125	0	70-130/30
67-66-3	Chloroform	ND		53.5	83.6	156* b	66.9	123	22	70-130/30
74-87-3	Chloromethane	ND		53.5	58.8	110	73.6	135* b	22	70-130/30
110-82-7	Cyclohexane	ND		53.5	46.8	87	41.3	76	12	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		53.5	81.8	153* b	80.6	148* b	1	70-130/30
124-48-1	Dibromochloromethane	ND		53.5	75.0	140* b	66.0	121	13	70-130/30
106-93-4	1,2-Dibromoethane	ND		53.5	60.0	112	53.7	99	11	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		53.5	51.7	97	44.5	82	15	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		53.5	50.8	95	44.0	81	14	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		53.5	54.5	102	49.1	90	10	70-130/30
75-71-8	Dichlorodifluoromethane	ND		53.5	87.7	164* b	88.0	162* b	0	70-130/30
75-34-3	1,1-Dichloroethane	ND		53.5	68.8	129	58.5	107	16	70-130/30
107-06-2	1,2-Dichloroethane	ND		53.5	94.8	177* b	75.9	139* b	22	70-130/30
75-35-4	1,1-Dichloroethene	ND		53.5	75.6	141* b	69.3	127	9	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		53.5	57.8	108	48.2	88	18	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		53.5	52.0	97	45.9	84	12	70-130/30
78-87-5	1,2-Dichloropropane	ND		53.5	55.3	103	47.2	87	16	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		53.5	63.5	119	50.9	93	22	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		53.5	66.6	124	53.2	98	22	70-130/30
100-41-4	Ethylbenzene	ND		53.5	55.5	104	49.7	91	11	70-130/30
76-13-1	Freon 113	ND		53.5	81.7	153* b	67.8	124	19	70-130/30
591-78-6	2-Hexanone	ND		53.5	64.5	121	69.0	127	7	70-130/30
98-82-8	Isopropylbenzene	ND		53.5	47.6	89	42.6	78	11	70-130/30
79-20-9	Methyl Acetate	ND		53.5	41.6	78	33.0	61	23	30-160/30
108-87-2	Methylcyclohexane	ND		53.5	53.4	100	46.9	86	13	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		53.5	72.3	135* b	61.2	112	17	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		53.5	82.0	153* b	75.5	139* b	8	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23630-2MS	P71218.D	1	08/22/13	KD	n/a	n/a	MSP2332
MC23630-2MSD	P71219.D	1	08/22/13	KD	n/a	n/a	MSP2332
MC23630-2	P71206.D	1	08/22/13	KD	n/a	n/a	MSP2332

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23630-2

CAS No.	Compound	MC23630-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	ND		53.5	73.4	137* [b]	60.1	110	20	70-130/30
100-42-5	Styrene	ND		53.5	33.7	63* [b]	30.2	55* [b]	11	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		53.5	58.4	109	54.2	99	7	70-130/30
127-18-4	Tetrachloroethene	ND		53.5	64.4	120	59.3	109	8	70-130/30
108-88-3	Toluene	ND		53.5	60.0	112	51.4	94	15	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		53.5	44.7	84	41.7	77	7	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		53.5	99.6	186* [a]	80.4	148* [a]	21	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		53.5	62.8	117	54.4	100	14	70-130/30
79-01-6	Trichloroethene	ND		53.5	69.8	130	60.8	112	14	70-130/30
75-69-4	Trichlorofluoromethane	ND		53.5	105	196* [a]	88.7	163* [a]	17	70-130/30
75-01-4	Vinyl chloride	ND		53.5	64.2	120	65.6	120	2	70-130/30
1330-20-7	Xylene (total)	ND		161	151	94	138	84	9	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23630-2	Limits
1868-53-7	Dibromofluoromethane	117%	110%	110%	70-130%
2037-26-5	Toluene-D8	93%	87%	85%	70-130%
460-00-4	4-Bromofluorobenzene	84%	85%	94%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.
(b) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSG5092-BFB
Lab File ID: G130653.D
Instrument ID: GCMSG
Injection Date: 08/20/13
Injection Time: 12:03

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	6221	16.1		Pass
75	30.0 - 60.0% of mass 95	17896	46.4		Pass
95	Base peak, 100% relative abundance	38568	100.0		Pass
96	5.0 - 9.0% of mass 95	2509	6.51		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	30893	80.1		Pass
175	5.0 - 9.0% of mass 174	2236	5.80	(7.24) [a]	Pass
176	95.0 - 101.0% of mass 174	29352	76.1	(95.0) [a]	Pass
177	5.0 - 9.0% of mass 176	1913	4.96	(6.52) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSG5092-IC5092	G130654.D	08/20/13	12:31	00:28	Initial cal 0.5
MSG5092-IC5092	G130655.D	08/20/13	13:00	00:57	Initial cal 2
MSG5092-IC5092	G130656.D	08/20/13	13:29	01:26	Initial cal 5
MSG5092-IC5092	G130657.D	08/20/13	13:56	01:53	Initial cal 25
MSG5092-ICC5092	G130658.D	08/20/13	14:24	02:21	Initial cal 50
MSG5092-IC5092	G130659.D	08/20/13	14:52	02:49	Initial cal 100
MSG5092-IC5092	G130660.D	08/20/13	15:21	03:18	Initial cal 200
MSG5092-IC5092	G130661.D	08/20/13	15:49	03:46	Initial cal 400
MSG5092-BS	G130664.D	08/20/13	17:13	05:10	Blank Spike
MSG5092-ICV5092	G130664.D	08/20/13	17:13	05:10	Initial cal verification 50
MSG5092-CC5092	G130664.D	08/20/13	17:13	05:10	Continuing cal 50
MSG5092-MB	G130667.D	08/20/13	18:38	06:35	Method Blank
MC23641-1	G130668.D	08/20/13	19:07	07:04	(used for QC only; not part of job MC23630)
ZZZZZZ	G130669.D	08/20/13	19:36	07:33	(unrelated sample)
ZZZZZZ	G130670.D	08/20/13	20:04	08:01	(unrelated sample)
ZZZZZZ	G130671.D	08/20/13	20:33	08:30	(unrelated sample)
ZZZZZZ	G130672.D	08/20/13	21:02	08:59	(unrelated sample)
ZZZZZZ	G130673.D	08/20/13	21:30	09:27	(unrelated sample)
ZZZZZZ	G130674.D	08/20/13	21:58	09:55	(unrelated sample)
MC23641-1MS	G130675.D	08/20/13	22:26	10:23	Matrix Spike
MC23641-1MSD	G130676.D	08/20/13	22:54	10:51	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSG5093-BFB
Lab File ID: G130684.D
Instrument ID: GCMSG
Injection Date: 08/21/13
Injection Time: 10:43

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	6479	16.0		Pass
75	30.0 - 60.0% of mass 95	17928	44.3		Pass
95	Base peak, 100% relative abundance	40512	100.0		Pass
96	5.0 - 9.0% of mass 95	2956	7.30		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	33488	82.7		Pass
175	5.0 - 9.0% of mass 174	2324	5.74	(6.94) [a]	Pass
176	95.0 - 101.0% of mass 174	32576	80.4	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	2018	4.98	(6.19) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSG5093-CC5092	G130684.D	08/21/13	10:43	00:00	Continuing cal 50
MSG5093-ICV5092	G130684.D	08/21/13	10:43	00:00	Initial cal verification 50
MSG5093-BS	G130684.D	08/21/13	10:43	00:00	Blank Spike
MSG5093-BSD	G130685.D	08/21/13	11:11	00:28	Blank Spike Duplicate
MSG5093-MB	G130687.D	08/21/13	12:08	01:25	Method Blank
ZZZZZZ	G130688.D	08/21/13	12:37	01:54	(unrelated sample)
ZZZZZZ	G130691.D	08/21/13	14:01	03:18	(unrelated sample)
MC23582-1	G130692.D	08/21/13	14:30	03:47	(used for QC only; not part of job MC23630)
ZZZZZZ	G130693.D	08/21/13	14:58	04:15	(unrelated sample)
ZZZZZZ	G130694.D	08/21/13	15:26	04:43	(unrelated sample)
ZZZZZZ	G130695.D	08/21/13	15:55	05:12	(unrelated sample)
ZZZZZZ	G130696.D	08/21/13	16:23	05:40	(unrelated sample)
ZZZZZZ	G130699.D	08/21/13	17:48	07:05	(unrelated sample)
ZZZZZZ	G130700.D	08/21/13	18:17	07:34	(unrelated sample)
MC23630-3	G130702.D	08/21/13	19:14	08:31	SB-250-4'
ZZZZZZ	G130703.D	08/21/13	19:42	08:59	(unrelated sample)
ZZZZZZ	G130704.D	08/21/13	20:10	09:27	(unrelated sample)
ZZZZZZ	G130705.D	08/21/13	20:39	09:56	(unrelated sample)
MC23582-1MS	G130706.D	08/21/13	21:07	10:24	Matrix Spike
MC23582-1MSD	G130707.D	08/21/13	21:35	10:52	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSP2318-BFB
Lab File ID: P70798.D
Instrument ID: GCMSP
Injection Date: 08/05/13
Injection Time: 13:05

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	54912	23.1		Pass
75	30.0 - 60.0% of mass 95	130656	54.9		Pass
95	Base peak, 100% relative abundance	238144	100.0		Pass
96	5.0 - 9.0% of mass 95	16968	7.13		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	183424	77.0		Pass
175	5.0 - 9.0% of mass 174	15398	6.47	(8.39) [a]	Pass
176	95.0 - 101.0% of mass 174	183872	77.2	(100.2) [a]	Pass
177	5.0 - 9.0% of mass 176	12112	5.09	(6.59) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	P70800A.D	08/05/13	14:01	00:56	(unrelated sample)
MSP2318-IC2318	P70800.D	08/05/13	14:01	00:56	Initial cal 0.5
ZZZZZZ	P70801A.D	08/05/13	14:29	01:24	(unrelated sample)
MSP2318-IC2318	P70801.D	08/05/13	14:29	01:24	Initial cal 2
ZZZZZZ	P70802A.D	08/05/13	14:57	01:52	(unrelated sample)
MSP2318-IC2318	P70802.D	08/05/13	14:57	01:52	Initial cal 5
MSP2318-IC2318	P70804.D	08/05/13	15:53	02:48	Initial cal 20
MSP2318-ICC2318	P70805.D	08/05/13	16:21	03:16	Initial cal 50
MSP2318-IC2318	P70806.D	08/05/13	16:49	03:44	Initial cal 100
MSP2318-IC2318	P70807.D	08/05/13	17:17	04:12	Initial cal 200
MSP2318-IC2318	P70808.D	08/05/13	17:45	04:40	Initial cal 400
MSP2318-ICV2318	P70811.D	08/05/13	19:10	06:05	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSP2332-BFB
Lab File ID: P71195.D
Instrument ID: GCMSP
Injection Date: 08/22/13
Injection Time: 08:32

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	9332	22.3		Pass
75	30.0 - 60.0% of mass 95	21400	51.2		Pass
95	Base peak, 100% relative abundance	41759	100.0		Pass
96	5.0 - 9.0% of mass 95	2517	6.03		Pass
173	Less than 2.0% of mass 174	340	0.81	(0.83) [a]	Pass
174	50.0 - 150.0% of mass 95	41056	98.3		Pass
175	5.0 - 9.0% of mass 174	2796	6.70	(6.81) [a]	Pass
176	95.0 - 101.0% of mass 174	41464	99.3	(101.0) [a]	Pass
177	5.0 - 9.0% of mass 176	3472	8.31	(8.37) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSP2332-CC2318	P71195.D	08/22/13	08:32	00:00	Continuing cal 50
MSP2332-BS	P71196.D	08/22/13	09:00	00:28	Blank Spike
MSP2332-MB	P71199.D	08/22/13	10:24	01:52	Method Blank
ZZZZZZ	P71200.D	08/22/13	10:52	02:20	(unrelated sample)
ZZZZZZ	P71201.D	08/22/13	11:20	02:48	(unrelated sample)
ZZZZZZ	P71202.D	08/22/13	11:48	03:16	(unrelated sample)
ZZZZZZ	P71204.D	08/22/13	12:43	04:11	(unrelated sample)
ZZZZZZ	P71205.D	08/22/13	13:11	04:39	(unrelated sample)
MC23630-2	P71206.D	08/22/13	13:40	05:08	MW-04-9.5'-10'
ZZZZZZ	P71209.D	08/22/13	15:05	06:33	(unrelated sample)
ZZZZZZ	P71210.D	08/22/13	15:33	07:01	(unrelated sample)
ZZZZZZ	P71211.D	08/22/13	16:01	07:29	(unrelated sample)
ZZZZZZ	P71212.D	08/22/13	16:30	07:58	(unrelated sample)
ZZZZZZ	P71213.D	08/22/13	16:58	08:26	(unrelated sample)
ZZZZZZ	P71214.D	08/22/13	17:26	08:54	(unrelated sample)
ZZZZZZ	P71215.D	08/22/13	17:54	09:22	(unrelated sample)
ZZZZZZ	P71216.D	08/22/13	18:21	09:49	(unrelated sample)
ZZZZZZ	P71217.D	08/22/13	18:49	10:17	(unrelated sample)
MC23630-2MS	P71218.D	08/22/13	19:17	10:45	Matrix Spike
MC23630-2MSD	P71219.D	08/22/13	19:45	11:13	Matrix Spike Duplicate

Volatile Internal Standard Area Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	MSG5092-CC5092	**Injection Date:**	08/20/13
Lab File ID:	G130664.D	**Injection Time:**	17:13
Instrument ID:	GCMSG	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	77033	5.07	120819	6.19	60367	9.54	57108	12.16	26616	3.08
Upper Limit [a]	154066	5.57	241638	6.69	120734	10.04	114216	12.66	53232	3.58
Lower Limit [b]	38517	4.57	60410	5.69	30184	9.04	28554	11.66	13308	2.58

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSG5092-MB	77034	5.07	122653	6.20	59883	9.54	53244	12.16	24379	3.08
MC23641-1	57358	5.07	86454	6.20	42206	9.54	40165	12.16	18129	3.08
ZZZZZZ	65569	5.07	119890	6.20	61377	9.54	54464	12.16	17661	3.07
ZZZZZZ	77025	5.07	123206	6.20	63410	9.54	56081	12.16	25660	3.07
ZZZZZZ	79167	5.07	125564	6.20	62757	9.54	55232	12.16	27830	3.07
ZZZZZZ	79420	5.07	126001	6.20	63783	9.54	56626	12.16	27349	3.07
ZZZZZZ	78680	5.07	127578	6.20	64699	9.54	56998	12.16	26048	3.07
ZZZZZZ	78959	5.07	125452	6.20	62990	9.54	54432	12.16	26548	3.07
MC23641-1MS	79788	5.07	126751	6.19	62476	9.54	58643	12.16	20536	3.08
MC23641-1MSD	80106	5.07	126335	6.20	62546	9.54	59322	12.16	20688	3.08
MSG5093-BS	62035	5.07	94164	6.19	62479	9.54	58750	12.16	17446	3.08

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	MSG5093-CC5092	**Injection Date:**	08/21/13
Lab File ID:	G130684.D	**Injection Time:**	10:43
Instrument ID:	GCMSG	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	62035	5.07	94164	6.19	62479	9.54	58750	12.16	17446	3.08
Upper Limit [a]	124070	5.57	188328	6.69	124958	10.04	117500	12.66	34892	3.58
Lower Limit [b]	31018	4.57	47082	5.69	31240	9.04	29375	11.66	8723	2.58

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSG5093-BSD	79304	5.07	125240	6.19	61988	9.54	58125	12.16	26323	3.08
MSG5093-MB	76804	5.07	122659	6.19	59399	9.54	53948	12.16	24161	3.08
ZZZZZZ	76193	5.07	121833	6.19	59507	9.54	52158	12.16	22113	3.08
ZZZZZZ	74576	5.07	118886	6.19	57978	9.54	50353	12.16	24216	3.08
MC23582-1	73791	5.07	117575	6.19	58418	9.54	53079	12.16	25804	3.08
ZZZZZZ	56638	5.07	104841	6.19	56915	9.54	50959	12.16	14802	3.08
ZZZZZZ	71900	5.07	115291	6.20	56469	9.54	50750	12.16	20959	3.08
ZZZZZZ	73763	5.07	117364	6.20	58519	9.54	52531	12.16	22909	3.08
ZZZZZZ	56626	5.07	84130	6.19	42327	9.54	38701	12.16	13985	3.07
ZZZZZZ	51108	5.07	74839	6.20	36004	9.54	32957	12.16	11353	3.07
ZZZZZZ	50789	5.07	74247	6.20	35825	9.54	33694	12.16	13738	3.08
MC23630-3	49394	5.07	72211	6.20	35254	9.54	32942	12.16	13677	3.08
ZZZZZZ	48242	5.07	71314	6.20	34467	9.54	32746	12.16	14242	3.09
ZZZZZZ	49671	5.07	72857	6.20	37875	9.54	36391	12.16	11029	3.07
ZZZZZZ	53415	5.07	79286	6.20	40111	9.54	38710	12.16	11458	3.07
MC23582-1MS	54772	5.07	79439	6.20	38665	9.54	39923	12.16	13793	3.08
MC23582-1MSD	55842	5.07	81607	6.20	38840	9.54	40388	12.16	12801	3.07

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	MSP2332-CC2318	**Injection Date:**	08/22/13
Lab File ID:	P71195.D	**Injection Time:**	08:32
Instrument ID:	GCMSP	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	621396	8.45	766569	9.30	468775	12.55	439667	15.10	243932	6.08
Upper Limit [a]	1242792	8.95	1533138	9.80	937550	13.05	879334	15.60	487864	6.58
Lower Limit [b]	310698	7.95	383285	8.80	234388	12.05	219834	14.60	121966	5.58

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSP2332-BS	657986	8.45	813677	9.31	494879	12.54	451755	15.11	264070	6.08
MSP2332-MB	559046	8.46	654133	9.31	354276	12.55	251178	15.11	222184	6.10
ZZZZZZ	533830	8.45	653407	9.30	361439	12.55	241029	15.10	359995	6.06
ZZZZZZ	499799	8.46	594003	9.31	319631	12.55	193850[c]	15.11	314338	6.09
ZZZZZZ	481249	8.46	578960	9.31	321780	12.55	201924[c]	15.10	296429	6.10
ZZZZZZ	389528	8.46	467706	9.31	250262	12.55	169813[c]	15.11	203426	6.09
ZZZZZZ	358510	8.46	432254	9.31	191289[c]	12.55	90874[c]	15.11	114288[d]	6.12
MC23630-2	395982	8.46	488361	9.31	262332	12.55	159666[e]	15.11	268630	6.09
ZZZZZZ	365867	8.46	450154	9.31	255815	12.55	165767[c]	15.11	166471	6.10
ZZZZZZ	372113	8.46	442503	9.31	253058	12.55	162879[c]	15.10	155123	6.10
ZZZZZZ	352309	8.46	446368	9.31	249254	12.55	161968[c]	15.11	155809	6.10
ZZZZZZ	342465	8.46	423271	9.31	237127	12.55	152839[c]	15.11	135508	6.10
ZZZZZZ	339530	8.46	419263	9.31	242147	12.55	156431[c]	15.10	131917	6.11
ZZZZZZ	337732	8.46	411128	9.31	231419[c]	12.55	145572[c]	15.11	131948	6.11
ZZZZZZ	328898	8.46	397321	9.31	229580[c]	12.55	144500[c]	15.11	134033	6.11
ZZZZZZ	329928	8.46	401583	9.31	229624[c]	12.55	149362[c]	15.11	119647[d]	6.11
ZZZZZZ	329948	8.46	400217	9.31	237110[c]	12.55	151890[c]	15.11	114322[d]	6.10
MC23630-2MS	371197	8.45	495803	9.31	336362	12.54	296679	15.11	248292	6.07
MC23630-2MSD	415019	8.45	524797	9.30	325951	12.55	275406	15.10	296647	6.08

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.
(d) Outside control limits. Target analytes not associated with this internal standard.
(e) Outside control limits due to possible matrix interference. Confirmed by MS/MSD.

Volatile Surrogate Recovery Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC23630-2	P71206.D	110.0	85.0	94.0
MC23630-3	G130702.D	101.0	102.0	103.0
MC23582-1MS	G130706.D	92.0	95.0	90.0
MC23582-1MSD	G130707.D	89.0	93.0	88.0
MC23630-2MS	P71218.D	117.0	93.0	84.0
MC23630-2MSD	P71219.D	110.0	87.0	85.0
MSG5093-BS	G130684.D	93.0	104.0	97.0
MSG5093-BSD	G130685.D	98.0	96.0	97.0
MSG5093-MB	G130687.D	102.0	101.0	104.0
MSP2332-BS	P71196.D	101.0	87.0	79.0
MSP2332-MB	P71199.D	99.0	86.0	83.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC23630 **Sample:** MSG5092-ICC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130658.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report MSG

Method : C:\msdchem\1\METHODS\g130820s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Aug 21 08:00:39 2013
Response via : Initial Calibration

Calibration Files
2 =G130655.D 5 =G130656.D 50 =G130658.D 100 =G130659.D
200 =G130660.D 400 =G130661.D 0.5 =G130654.D 25 =G130657.D
= =

Compound	2	5	50	100	200	400	0.5	25	Avg	%RSD
1) I tert butyl alcohol-d9	ISTD									
2) tertiary butyl alcohol			1.340	1.394	1.504	1.495		1.359	1.419	5.40
3) Ethanol			0.103	0.113	0.086	0.095		0.107	0.101	10.27
4) I pentafluorobenzene	ISTD									
5) dichlorodifluoromethane	0.914	0.872	0.752	0.735	0.731	0.720		0.723	0.778	10.27
6) chloromethane			0.463	0.442	0.431	0.430	0.398	0.405	0.428	5.58
7) vinyl chloride	0.238	0.240	0.218	0.202	0.203	0.190		0.234	0.218	9.25
---- Linear regression ---- Coefficient = 0.9987										
Response Ratio = 0.01946 + 0.18966 *A										
8) bromomethane	0.426	0.405	0.386	0.345	0.333	0.370		0.358	0.375	8.88
9) chloroethane			0.294	0.271	0.264	0.231	0.261	0.269	0.265	7.69
10) ethyl ether			0.341	0.530	0.500	0.499	0.490	0.491	0.475	14.21
11) acetonitrile			0.896	0.950	0.899	0.901	0.888	0.947	0.914	3.01
12) trichlorofluoromethane	1.107	0.960	1.164	1.086	1.013	1.148		1.179	1.094	7.45
13) freon-113			0.602	0.803	0.791	0.780	0.778	0.810	0.761	10.32
14) acrolein			0.046	0.046	0.046	0.045		0.045	0.046	1.53
15) 1,1-dichloroethene	0.789	0.528	0.692	0.666	0.656	0.662		0.675	0.667	11.49
16) acetone			0.060	0.101	0.099	0.084	0.075	0.093	0.085	18.44
---- Linear regression ---- Coefficient = 0.9919										
Response Ratio = 0.02147 + 0.07425 *A										
17) Methyl Acetate			0.702	0.685	0.653	0.629	0.609	0.665	0.657	5.25
18) methylene chloride	0.865	0.801	0.751	0.705	0.690	0.690		0.741	0.749	8.63
19) methyl tert butyl ether	1.927	1.786	1.892	1.843	1.862	1.853		1.810	1.853	2.56
20) acrylonitrile										

Initial Calibration Summary

Job Number: MC23630 **Sample:** MSG5092-ICC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130658.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

			0.226	0.219	0.213	0.206	0.221	0.217	3.41
21)	allyl chloride								
		0.896	0.950	0.915	0.901	0.890	0.947	0.916	2.87
22)	trans-1,2-dichloroethene								
	0.803	0.728	0.714	0.683	0.671	0.675	0.705	0.711	6.43
23)	iodomethane								
		1.304	1.254	1.210	1.199	1.179	1.241	1.231	3.67
24)	carbon disulfide								
		2.023	2.179	2.118	2.125	2.162	2.058	2.111	2.83
25)	propionitrile								
		0.074	0.078	0.077	0.074	0.076	0.073	0.075	2.57
26)	vinyl acetate								
		1.172	1.234	1.213	1.206	1.193	1.195	1.202	1.76
27)	chloroprene								
		0.937	0.982	0.968	0.960	0.974	0.957	0.963	1.64
28)	di-isopropyl ether								
	2.136	1.999	2.047	1.992	1.983	1.965	1.994	2.016	2.89
29)	methacrylonitrile								
		0.407	0.414	0.402	0.392	0.391	0.404	0.402	2.21
30)	2-butanone								
		0.079	0.088	0.093	0.080	0.075	0.080	0.083	7.73
31)	Ethyl Acetate								
		0.083	0.085	0.078	0.076	0.074	0.087	0.080	6.70
32)	Hexane								
		0.705	0.651	0.622	0.588	0.613	0.660	0.640	6.47
33)	1,1-dichloroethane								
	1.293	1.196	1.142	1.089	1.073	1.063	1.129	1.141	7.12
34)	tert-butyl ethyl ether								
	1.982	1.857	1.965	1.939	1.952	1.953	1.897	1.935	2.24
35)	isobutyl alcohol								
		0.022	0.023	0.023	0.021	0.022	0.021	0.022	3.28
36)	2,2-dichloropropane								
		0.742	0.735	0.697	0.697	0.667	0.703	0.707	3.91
37)	cis-1,2-dichloroethene								
	0.846	0.781	0.769	0.740	0.733	0.731	0.752	0.765	5.27
38)	bromochloromethane								
		0.353	0.345	0.332	0.335	0.338	0.335	0.340	2.30
39)	chloroform								
	1.402	1.293	1.227	1.173	1.161	1.157	1.211	1.232	7.20
40)	dibromofluoromethane (s)								
		0.650	0.719	0.702	0.694	0.704	0.689	0.693	3.39
41)	Tetrahydrofuran								
			0.142	0.142	0.136	0.133	0.135	0.138	3.00
42)	1,1,1-trichloroethane								
	1.083	1.036	1.055	1.019	1.025	1.037	1.007	1.038	2.42
43)	I 1,4-difluorobenzene	----------ISTD----------							
44)	Cyclohexane								
		0.766	0.744	0.726	0.702	0.694	0.728	0.727	3.65
45)	carbon tetrachloride								
	0.638	0.617	0.645	0.628	0.633	0.632	0.614	0.630	1.74
46)	1,1-dichloropropene								
		0.667	0.659	0.636	0.628	0.618	0.638	0.641	2.93
47)	benzene								
	2.086	1.927	1.797	1.715	1.667	1.604	2.389	1.776	1.870	13.85
48)	1,2-dichloroethane								
	0.720	0.664	0.637	0.615	0.602	0.580	0.640	0.637	7.17
49)	tert-amyl methyl ether								
		1.097	1.196	1.179	1.190	1.139	1.100	1.150	3.88
50)	heptane								

Initial Calibration Summary

Job Number: MC23630 **Sample:** MSG5092-ICC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130658.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
                0.915 0.906 0.878 0.840 0.825       0.884          0.875    4.08
51)  trichloroethene
              0.561 0.550 0.519 0.496 0.491 0.479 0.644 0.501          0.530   10.23
52)  1,2-dichloropropane
              0.504 0.460 0.445 0.431 0.428 0.413       0.442          0.446    6.61
53)  dibromomethane
                        0.262 0.257 0.254 0.248       0.254          0.255    1.99
54)  bromodichloromethane
              0.545 0.531 0.585 0.586 0.596 0.594       0.550          0.569    4.66
55)  Methylcyclohexane
                0.753 0.751 0.739 0.715 0.743       0.730          0.738    1.94
56)  2-chloroethyl vinyl ether
                0.028 0.056 0.066 0.077 0.090       0.043          0.060   37.35
               ---- Linear regression ----  Coefficient =  0.9941
                 Response Ratio = -0.03166 + 0.09161 *A

57)  methyl methacrylate
                0.225 0.251 0.251 0.256 0.252       0.234          0.245    5.05
58)  1,4-dioxane
                        0.004 0.004 0.003 0.004       0.003          0.004   11.04
59)  cis-1,3-dichloropropene
              0.687 0.656 0.763 0.757 0.772 0.763       0.715          0.730    6.21
60)  toluene-d8 (s)
              1.852 1.516 1.722 1.650 1.614 1.602 2.001 1.591          1.693    9.44
61)  4-methyl-2-pentanone
                0.308 0.355 0.352 0.358 0.358       0.316          0.341    6.66
62)  toluene
                1.169 1.153 1.106 1.090 1.058       1.116          1.115    3.63
63)  trans-1,3-dichloropropene
              0.578 0.570 0.655 0.650 0.659 0.642       0.619          0.625    5.92
64)  1,1,2-trichloroethane
              0.365 0.355 0.330 0.318 0.317 0.304       0.318          0.330    6.80
65)  ethyl methacrylate
                0.380 0.473 0.477 0.485 0.467       0.432          0.452    8.81

66) I   chlorobenzene-d5      ----------------ISTD---------------------
67)  tetrachloroethene
              1.115 1.009 0.961 0.912 0.893 0.894 1.204 0.940          0.991   11.42
68)  1,3-dichloropropane
                1.370 1.310 1.281 1.271 1.261       1.286          1.297    3.05
69)  dibromochloromethane
              0.717 0.738 0.866 0.890 0.939 0.968       0.782          0.843   11.69
70)  1,2-dibromoethane
              0.842 0.776 0.826 0.807 0.820 0.820       0.790          0.812    2.78
71)  2-hexanone
                0.491 0.553 0.529 0.491 0.452       0.490          0.501    7.04
72)  chlorobenzene
              3.258 2.933 2.766 2.681 2.652 2.604       2.711          2.801    8.13
73)  1,1,1,2-tetrachloroethane
                0.871 0.944 0.936 0.932 0.912       0.901          0.916    2.98
74)  ethylbenzene
              4.940 4.605 4.613 4.455 4.299 4.190       4.479          4.512    5.40
75)  m,p-xylene
              1.872 1.795 1.784 1.713 1.659 1.594       1.761          1.740    5.32
76)  o-xylene
              1.787 1.594 1.739 1.704 1.687 1.658       1.654          1.689    3.70
77)  styrene
                2.500 2.821 2.749 2.750 2.713       2.672          2.701    4.07
78)  bromoform
                0.371 0.453 0.475 0.517 0.526       0.395          0.456   13.83
```

Initial Calibration Summary

Job Number: MC23630 **Sample:** MSG5092-ICC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130658.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
 79)  trans-1,4-dichloro-2-butene
                0.211 0.275 0.277 0.285 0.290       0.241         0.263   11.64

 80) I   1,4-dichlorobenzene-d ----------------ISTD--------------------
 81)  isopropylbenzene
                4.708 4.941 4.784 4.569 4.449       4.821         4.712    3.79
 82)  bromofluorobenzene (s)
          1.637 1.409 1.450 1.419 1.366 1.341       1.363         1.426    7.03
 83)  bromobenzene
                1.284 1.206 1.178 1.147 1.096       1.192         1.184    5.32
 84)  1,1,2,2-tetrachloroethane
          1.060 0.995 0.975 0.955 0.942 0.916       0.949         0.970    4.80
 85)  1,2,3-trichloropropane
                0.840 0.818 0.782 0.759 0.733       0.787         0.786    4.93
 86)  n-propylbenzene
                5.738 5.798 5.621 5.298 5.116       5.667         5.540    4.89
 87)  2-chlorotoluene
                4.246 4.112 3.910 3.725 3.552       4.037         3.930    6.53
 88)  4-chlorotoluene
                3.782 3.574 3.528 3.362 3.254       3.590         3.515    5.28
 89)  1,3,5-trimethylbenzene
                3.961 4.171 4.050 3.874 3.740       4.014         3.968    3.75
 90)  tert-butylbenzene
                2.732 2.840 2.742 2.615 2.555       2.734         2.703    3.76
 91)  1,2,4-trimethylbenzene
                4.012 4.187 4.095 3.923 3.783       4.018         4.003    3.49
 92)  sec-butylbenzene
                4.842 5.041 4.879 4.617 4.589       4.800         4.795    3.54
 93)  1,3-dichlorobenzene
          2.711 2.472 2.334 2.272 2.193 2.133       2.288         2.343    8.29
 94)  p-isopropyltoluene
                3.575 3.916 3.847 3.671 3.639       3.710         3.726    3.49
 95)  1,4-dichlorobenzene
          2.731 2.461 2.273 2.221 2.171 2.093       2.231         2.312    9.37
 96)  1,2-dichlorobenzene
          2.456 2.250 2.214 2.151 2.115 2.052       2.129         2.195    6.01
 97)  n-butylbenzene
                3.338 3.737 3.669 3.453 3.474       3.512         3.530    4.18
 98)  1,2-dibromo-3-chloropropane
                0.124 0.146 0.155 0.162 0.168       0.124         0.147   12.86
 99)  1,3,5-trichlorobenzene
                      1.491 1.499 1.426 1.394       1.379         1.438    3.82
100)  1,2,4-trichlorobenzene
                0.776 1.232 1.285 1.244 1.217       1.060         1.136   16.93
             ---- Linear regression ----  Coefficient =  0.9995
               Response Ratio = 0.00427 + 1.22407 *A

101)  hexachlorobutadiene
                0.716 0.707 0.678 0.631 0.594       0.657         0.664    7.01
102)  naphthalene
                1.369 2.471 2.646 2.602 2.642       2.021         2.292   22.26
             ---- Linear regression ----  Coefficient =  0.9998
               Response Ratio = -0.18589 + 2.66487 *A

103)  2-Methylnaphthalene
                      0.411 0.536 0.572 0.694       0.309         0.504   29.52
             ---- Linear regression ----  Coefficient =  0.9948
               Response Ratio = -0.17012 + 0.72116 *A

104)  1-Methylnaphthalene
```

Initial Calibration Summary

Job Number: MC23630 **Sample:** MSG5092-ICC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130658.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
                0.160 0.314 0.410 0.421 0.509       0.245         0.343   37.27
            ---- Linear regression ----  Coefficient =  0.9934
              Response Ratio = -0.08455 + 0.51539 *A

105)  1,2,3-trichlorobenzene
                0.664 0.988 1.024 0.970 0.968       0.837         0.908   14.94
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          g130820s.m        Wed Aug 21 08:20:25 2013
```

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSG5092-CC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130664.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\G130820\G130664.D Vial: 13
Acq On : 20 Aug 2013 5:13 pm Operator: jaimem
Sample : cc5092-50 Inst : MSG
Misc : MS29686,MSG5092,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130820s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Aug 21 10:20:56 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	104	-0.01	3.08
2	M	tertiary butyl alcohol	1.419	1.382	2.6	107	0.00	3.16
3	T	Ethanol	0.101	0.078	22.8#	79	0.00	2.44
4	I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	5.07
5	M	dichlorodifluoromethane	0.778	0.786	-1.0	107	0.00	1.65
6	P	chloromethane	0.428	0.508	-18.7	117	0.00	1.83
		----------	Amount	Calc.	%Drift	----------		
7	c	vinyl chloride	50.000	38.945	22.1#	78	0.00	1.92
		----------	AvgRF	CCRF	%Dev	----------		
8	M	bromomethane	0.375	0.385	-2.7	102	-0.02	2.28
9	M	chloroethane	0.265	0.266	-0.4	100	0.00	2.34
10	M	ethyl ether	0.475	0.498	-4.8	96	0.00	2.79
11	M	acetonitrile	0.914	0.926	-1.3	99	0.00	3.42
12	M	trichlorofluoromethane	1.094	1.040	4.9	91	0.00	2.62
13	M	freon-113	0.761	0.819	-7.6	104	0.00	2.93
14	M	acrolein	0.046	0.060	-30.4#	134	0.00	2.90
15	c	1,1-dichloroethene	0.667	0.717	-7.5	105	0.00	3.09
		----------	Amount	Calc.	%Drift	----------		
16	M	acetone	50.000	34.447	31.1#	73	0.00	2.96
		----------	AvgRF	CCRF	%Dev	----------		
17	M	Methyl Acetate	0.657	0.497	24.4#	74	0.00	3.37
18	M	methylene chloride	0.749	0.716	4.4	97	0.00	3.53
19	M	methyl tert butyl ether	1.853	1.785	3.7	96	0.00	3.66
20	M	acrylonitrile	0.217	0.211	2.8	95	0.00	3.63
21	M	allyl chloride	0.916	0.926	-1.1	99	0.00	3.42
22	M	trans-1,2-dichloroethene	0.711	0.695	2.3	99	0.00	3.80
23	M	iodomethane	1.231	1.231	0.0	100	0.00	3.39
24	M	carbon disulfide	2.111	2.179	-3.2	102	0.00	3.59
25	M	propionitrile	0.075	0.072	4.0	94	0.00	4.72
26	M	vinyl acetate	1.202	0.895	25.5#	74	0.00	4.21
27	M	chloroprene	0.963	1.040	-8.0	108	0.00	4.31
28	M	di-isopropyl ether	2.016	1.890	6.3	94	0.00	4.09
29	M	methacrylonitrile	0.402	0.394	2.0	97	0.00	4.93
30	M	2-butanone	0.083	0.085	-2.4	99	0.00	4.64
31		Ethyl Acetate	0.080	0.417	-421.2#	497#	0.00	4.81
32	M	Hexane	0.640	0.659	-3.0	103	0.00	3.85
33	P	1,1-dichloroethane	1.141	1.195	-4.7	107	0.00	4.22

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSG5092-CC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130664.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

34	M	tert-butyl ethyl ether	1.935	1.935	0.0	100	0.00	4.51
35	M	isobutyl alcohol	0.022	0.024	-9.1	108	0.00	4.95
36	M	2,2-dichloropropane	0.707	0.723	-2.3	100	0.00	4.79
37	M	cis-1,2-dichloroethene	0.765	0.727	5.0	96	0.00	4.83
38	M	bromochloromethane	0.340	0.359	-5.6	106	0.00	5.18
39	c	chloroform	1.232	1.240	-0.6	103	0.00	5.00
40	S	dibromofluoromethane (s)	0.693	0.732	-5.6	104	0.00	5.23
41	M	Tetrahydrofuran	0.138	0.143	-3.6	103	0.00	5.22
42	M	1,1,1-trichloroethane	1.038	1.076	-3.7	104	0.00	5.43
43	I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	6.19
44	M	Cyclohexane	0.727	0.715	1.7	98	0.00	5.45
45	M	carbon tetrachloride	0.630	0.663	-5.2	105	0.00	5.71
46	M	1,1-dichloropropene	0.641	0.634	1.1	98	0.00	5.59
47	M	benzene	1.870	1.698	9.2	97	0.00	5.89
48	M	1,2-dichloroethane	0.637	0.581	8.8	93	0.00	5.87
49	M	tert-amyl methyl ether	1.150	1.154	-0.3	99	0.00	5.72
50	M	heptane	0.875	0.842	3.8	95	0.00	5.74
51	M	trichloroethene	0.530	0.473	10.8	93	0.00	6.56
52	c	1,2-dichloropropane	0.446	0.414	7.2	95	0.00	6.76
53	M	dibromomethane	0.255	0.272	-6.7	106	0.00	7.08
54	M	bromodichloromethane	0.569	0.557	2.1	98	0.00	7.02
55	M	Methylcyclohexane	0.738	0.751	-1.8	102	0.00	6.63
		----------	Amount	Calc.	%Drift		----------	
56	M	2-chloroethyl vinyl ether	50.000	45.001	10.0	92	0.00	7.35
		----------	AvgRF	CCRF	%Dev		----------	
57	M	methyl methacrylate	0.245	0.240	2.0	98	0.00	6.82
58	M	1,4-dioxane	0.004	0.004	0.0	98	0.00	7.05
59	M	cis-1,3-dichloropropene	0.730	0.686	6.0	92	0.00	7.61
60	S	toluene-d8 (s)	1.693	1.744	-3.0	104	0.00	7.88
61	M	4-methyl-2-pentanone	0.341	0.324	5.0	94	0.00	7.38
62	c	toluene	1.115	1.104	1.0	98	0.00	7.97
63	M	trans-1,3-dichloropropene	0.625	0.633	-1.3	99	0.00	8.16
64	M	1,1,2-trichloroethane	0.330	0.309	6.4	96	0.00	8.34
65	M	ethyl methacrylate	0.452	0.466	-3.1	101	0.00	8.15
66	I	chlorobenzene-d5	1.000	1.000	0.0	102	0.00	9.54
67	M	tetrachloroethene	0.991	1.011	-2.0	108	0.00	8.68
68	M	1,3-dichloropropane	1.297	1.257	3.1	98	0.00	8.61
69	M	dibromochloromethane	0.843	0.841	0.2	99	0.00	8.90
70	M	1,2-dibromoethane	0.812	0.794	2.2	98	0.00	9.12
71	M	2-hexanone	0.501	0.438	12.6	81	0.00	8.34
72	P	chlorobenzene	2.801	2.558	8.7	95	0.00	9.58
73	M	1,1,1,2-tetrachloroethane	0.916	0.911	0.5	99	0.00	9.63
74	c	ethylbenzene	4.512	4.391	2.7	97	0.00	9.64
75	M	m,p-xylene	1.740	1.689	2.9	97	0.00	9.72
76	M	o-xylene	1.689	1.603	5.1	94	0.00	10.20
77	M	styrene	2.701	2.667	1.3	97	0.00	10.24
78	P	bromoform	0.456	0.480	-5.3	108	0.00	10.61
79	M	trans-1,4-dichloro-2-bute	0.263	0.253	3.8	94	0.00	10.64
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	12.16
81	M	isopropylbenzene	4.712	4.563	3.2	95	0.00	10.59
82	S	bromofluorobenzene (s)	1.426	1.467	-2.9	104	0.00	10.87
83	M	bromobenzene	1.184	1.175	0.8	100	0.00	11.08
84	P	1,1,2,2-tetrachloroethane	0.970	0.957	1.3	100	0.00	10.78
85	M	1,2,3-trichloropropane	0.786	0.765	2.7	96	0.00	10.94
86	M	n-propylbenzene	5.540	5.311	4.1	94	0.00	11.03

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSG5092-CC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130664.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

87	M	2-chlorotoluene	3.930	3.624	7.8	90	0.00	11.22
88	M	4-chlorotoluene	3.515	3.369	4.2	96	0.00	11.28
89	M	1,3,5-trimethylbenzene	3.968	3.842	3.2	94	0.00	11.20
90	M	tert-butylbenzene	2.703	2.573	4.8	93	0.00	11.60
91	M	1,2,4-trimethylbenzene	4.003	3.885	2.9	95	0.00	11.63
92	M	sec-butylbenzene	4.795	4.579	4.5	93	0.00	11.82
93	M	1,3-dichlorobenzene	2.343	2.148	8.3	94	0.00	12.08
94	M	p-isopropyltoluene	3.726	3.888	-4.3	102	0.00	11.97
95	M	1,4-dichlorobenzene	2.312	2.179	5.8	98	0.00	12.20
96	M	1,2-dichlorobenzene	2.195	2.042	7.0	94	0.00	12.60
97	M	n-butylbenzene	3.530	3.494	1.0	96	0.00	12.42
98	M	1,2-dibromo-3-chloropropa	0.147	0.142	3.4	100	0.00	13.46
99		1,3,5-trichlorobenzene	1.438	1.288	10.4	88	0.00	13.72
		----------	Amount	Calc.	%Drift	----------		
100	M	1,2,4-trichlorobenzene	50.000	47.482	5.0	97	0.00	14.42
		----------	AvgRF	CCRF	%Dev	----------		
101	M	hexachlorobutadiene	0.664	0.677	-2.0	98	0.00	14.57
		----------	Amount	Calc.	%Drift	----------		
102	M	naphthalene	50.000	47.906	4.2	98	0.00	14.71
103		2-Methylnaphthalene	25.000	26.804	-7.2	108	0.00	15.89
104		1-Methylnaphthalene	25.000	25.236	-0.9	115	0.00	16.16
		----------	AvgRF	CCRF	%Dev	----------		
105	M	1,2,3-trichlorobenzene	0.908	0.939	-3.4	97	0.00	14.98

(#) = Out of Range SPCC's out = 0 CCC's out = 1
G130658.D g130820s.m Wed Aug 28 11:40:13 2013

Initial Calibration Verification

Job Number: MC23630 **Sample:** MSG5092-ICV5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130664.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\G130820\G130664.D Vial: 13
Acq On : 20 Aug 2013 5:13 pm Operator: jaimem
Sample : cc5092-50 Inst : MSG
Misc : MS29686,MSG5092,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130820s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Aug 21 10:20:56 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	104	-0.01	3.08
2	M	tertiary butyl alcohol	1.419	1.382	2.6	107	0.00	3.16
3	T	Ethanol	0.101	0.078	22.8#	79	0.00	2.44
4	I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	5.07
5	M	dichlorodifluoromethane	0.778	0.786	-1.0	107	0.00	1.65
6	P	chloromethane	0.428	0.508	-18.7	117	0.00	1.83
		----------	Amount	Calc.	%Drift	----------		
7	c	vinyl chloride	50.000	38.945	22.1#	78	0.00	1.92
		----------	AvgRF	CCRF	%Dev	----------		
8	M	bromomethane	0.375	0.385	-2.7	102	-0.02	2.28
9	M	chloroethane	0.265	0.266	-0.4	100	0.00	2.34
10	M	ethyl ether	0.475	0.498	-4.8	96	0.00	2.79
11	M	acetonitrile	0.914	0.926	-1.3	99	0.00	3.42
12	M	trichlorofluoromethane	1.094	1.040	4.9	91	0.00	2.62
13	M	freon-113	0.761	0.819	-7.6	104	0.00	2.93
14	M	acrolein	0.046	0.060	-30.4#	134	0.00	2.90
15	c	1,1-dichloroethene	0.667	0.717	-7.5	105	0.00	3.09
		----------	Amount	Calc.	%Drift	----------		
16	M	acetone	50.000	34.447	31.1#	73	0.00	2.96
		----------	AvgRF	CCRF	%Dev	----------		
17	M	Methyl Acetate	0.657	0.497	24.4#	74	0.00	3.37
18	M	methylene chloride	0.749	0.716	4.4	97	0.00	3.53
19	M	methyl tert butyl ether	1.853	1.785	3.7	96	0.00	3.66
20	M	acrylonitrile	0.217	0.211	2.8	95	0.00	3.63
21	M	allyl chloride	0.916	0.926	-1.1	99	0.00	3.42
22	M	trans-1,2-dichloroethene	0.711	0.695	2.3	99	0.00	3.80
23	M	iodomethane	1.231	1.231	0.0	100	0.00	3.39
24	M	carbon disulfide	2.111	2.179	-3.2	102	0.00	3.59
25	M	propionitrile	0.075	0.072	4.0	94	0.00	4.72
26	M	vinyl acetate	1.202	0.895	25.5#	74	0.00	4.21
27	M	chloroprene	0.963	1.040	-8.0	108	0.00	4.31
28	M	di-isopropyl ether	2.016	1.890	6.3	94	0.00	4.09
29	M	methacrylonitrile	0.402	0.394	2.0	97	0.00	4.93
30	M	2-butanone	0.083	0.085	-2.4	99	0.00	4.64
31		Ethyl Acetate	0.080	0.417	-421.2#	497#	0.00	4.81
32	M	Hexane	0.640	0.659	-3.0	103	0.00	3.85
33	P	1,1-dichloroethane	1.141	1.195	-4.7	107	0.00	4.22

Initial Calibration Verification

Job Number: MC23630 **Sample:** MSG5092-ICV5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130664.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

34	M	tert-butyl ethyl ether	1.935	1.935	0.0	100	0.00	4.51
35	M	isobutyl alcohol	0.022	0.024	-9.1	108	0.00	4.95
36	M	2,2-dichloropropane	0.707	0.723	-2.3	100	0.00	4.79
37	M	cis-1,2-dichloroethene	0.765	0.727	5.0	96	0.00	4.83
38	M	bromochloromethane	0.340	0.359	-5.6	106	0.00	5.18
39	c	chloroform	1.232	1.240	-0.6	103	0.00	5.00
40	S	dibromofluoromethane (s)	0.693	0.732	-5.6	104	0.00	5.23
41	M	Tetrahydrofuran	0.138	0.143	-3.6	103	0.00	5.22
42	M	1,1,1-trichloroethane	1.038	1.076	-3.7	104	0.00	5.43
43	I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	6.19
44	M	Cyclohexane	0.727	0.715	1.7	98	0.00	5.45
45	M	carbon tetrachloride	0.630	0.663	-5.2	105	0.00	5.71
46	M	1,1-dichloropropene	0.641	0.634	1.1	98	0.00	5.59
47	M	benzene	1.870	1.698	9.2	97	0.00	5.89
48	M	1,2-dichloroethane	0.637	0.581	8.8	93	0.00	5.87
49	M	tert-amyl methyl ether	1.150	1.154	-0.3	99	0.00	5.72
50	M	heptane	0.875	0.842	3.8	95	0.00	5.74
51	M	trichloroethene	0.530	0.473	10.8	93	0.00	6.56
52	c	1,2-dichloropropane	0.446	0.414	7.2	95	0.00	6.76
53	M	dibromomethane	0.255	0.272	-6.7	106	0.00	7.08
54	M	bromodichloromethane	0.569	0.557	2.1	98	0.00	7.02
55	M	Methylcyclohexane	0.738	0.751	-1.8	102	0.00	6.63
		----------	Amount	Calc.	%Drift		----------	
56	M	2-chloroethyl vinyl ether	50.000	45.001	10.0	92	0.00	7.35
		----------	AvgRF	CCRF	%Dev		----------	
57	M	methyl methacrylate	0.245	0.240	2.0	98	0.00	6.82
58	M	1,4-dioxane	0.004	0.004	0.0	98	0.00	7.05
59	M	cis-1,3-dichloropropene	0.730	0.686	6.0	92	0.00	7.61
60	S	toluene-d8 (s)	1.693	1.744	-3.0	104	0.00	7.88
61	M	4-methyl-2-pentanone	0.341	0.324	5.0	94	0.00	7.38
62	c	toluene	1.115	1.104	1.0	98	0.00	7.97
63	M	trans-1,3-dichloropropene	0.625	0.633	-1.3	99	0.00	8.16
64	M	1,1,2-trichloroethane	0.330	0.309	6.4	96	0.00	8.34
65	M	ethyl methacrylate	0.452	0.466	-3.1	101	0.00	8.15
66	I	chlorobenzene-d5	1.000	1.000	0.0	102	0.00	9.54
67	M	tetrachloroethene	0.991	1.011	-2.0	108	0.00	8.68
68	M	1,3-dichloropropane	1.297	1.257	3.1	98	0.00	8.61
69	M	dibromochloromethane	0.843	0.841	0.2	99	0.00	8.90
70	M	1,2-dibromoethane	0.812	0.794	2.2	98	0.00	9.12
71	M	2-hexanone	0.501	0.438	12.6	81	0.00	8.34
72	P	chlorobenzene	2.801	2.558	8.7	95	0.00	9.58
73	M	1,1,1,2-tetrachloroethane	0.916	0.911	0.5	99	0.00	9.63
74	c	ethylbenzene	4.512	4.391	2.7	97	0.00	9.64
75	M	m,p-xylene	1.740	1.689	2.9	97	0.00	9.72
76	M	o-xylene	1.689	1.603	5.1	94	0.00	10.20
77	M	styrene	2.701	2.667	1.3	97	0.00	10.24
78	P	bromoform	0.456	0.480	-5.3	108	0.00	10.61
79	M	trans-1,4-dichloro-2-bute	0.263	0.253	3.8	94	0.00	10.64
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	12.16
81	M	isopropylbenzene	4.712	4.563	3.2	95	0.00	10.59
82	S	bromofluorobenzene (s)	1.426	1.467	-2.9	104	0.00	10.87
83	M	bromobenzene	1.184	1.175	0.8	100	0.00	11.08
84	P	1,1,2,2-tetrachloroethane	0.970	0.957	1.3	100	0.00	10.78
85	M	1,2,3-trichloropropane	0.786	0.765	2.7	96	0.00	10.94
86	M	n-propylbenzene	5.540	5.311	4.1	94	0.00	11.03

Initial Calibration Verification

Job Number: MC23630 **Sample:** MSG5092-ICV5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130664.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

87	M	2-chlorotoluene	3.930	3.624	7.8	90	0.00	11.22
88	M	4-chlorotoluene	3.515	3.369	4.2	96	0.00	11.28
89	M	1,3,5-trimethylbenzene	3.968	3.842	3.2	94	0.00	11.20
90	M	tert-butylbenzene	2.703	2.573	4.8	93	0.00	11.60
91	M	1,2,4-trimethylbenzene	4.003	3.885	2.9	95	0.00	11.63
92	M	sec-butylbenzene	4.795	4.579	4.5	93	0.00	11.82
93	M	1,3-dichlorobenzene	2.343	2.148	8.3	94	0.00	12.08
94	M	p-isopropyltoluene	3.726	3.888	-4.3	102	0.00	11.97
95	M	1,4-dichlorobenzene	2.312	2.179	5.8	98	0.00	12.20
96	M	1,2-dichlorobenzene	2.195	2.042	7.0	94	0.00	12.60
97	M	n-butylbenzene	3.530	3.494	1.0	96	0.00	12.42
98	M	1,2-dibromo-3-chloropropa	0.147	0.142	3.4	100	0.00	13.46
99		1,3,5-trichlorobenzene	1.438	1.288	10.4	88	0.00	13.72
		----------	Amount	Calc.	%Drift	----------		
100	M	1,2,4-trichlorobenzene	50.000	47.482	5.0	97	0.00	14.42
		----------	AvgRF	CCRF	%Dev	----------		
101	M	hexachlorobutadiene	0.664	0.677	-2.0	98	0.00	14.57
		----------	Amount	Calc.	%Drift	----------		
102	M	naphthalene	50.000	47.906	4.2	98	0.00	14.71
103		2-Methylnaphthalene	25.000	26.804	-7.2	108	0.00	15.89
104		1-Methylnaphthalene	25.000	25.236	-0.9	115	0.00	16.16
		----------	AvgRF	CCRF	%Dev	----------		
105	M	1,2,3-trichlorobenzene	0.908	0.939	-3.4	97	0.00	14.98

(#) = Out of Range SPCC's out = 0 CCC's out = 1
G130658.D g130820s.m Wed Aug 28 11:40:13 2013

Initial Calibration Verification

Job Number: MC23630 **Sample:** MSG5093-ICV5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130684.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\G130821\G130684.D Vial: 5
Acq On : 21 Aug 2013 10:43 am Operator: jaimem
Sample : cc5092-50 Inst : MSG
Misc : MS29686,MSG5093,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130820s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Aug 21 10:20:56 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	68	-0.02	3.08
2	M	tertiary butyl alcohol	1.419	1.515	-6.8	77	-0.02	3.15
3	T	Ethanol	0.101	0.128	-26.7#	85	-0.02	2.43
4	I	pentafluorobenzene	1.000	1.000	0.0	82	0.00	5.07
5	M	dichlorodifluoromethane	0.778	1.225	-57.5#	134	0.00	1.65
6	P	chloromethane	0.428	0.658	-53.7#	122	0.00	1.84
		----------	Amount	Calc.	%Drift	----------		
7	c	vinyl chloride	50.000	59.694	-19.4	93	0.00	1.92
		----------	AvgRF	CCRF	%Dev	----------		
8	M	bromomethane	0.375	0.511	-36.3#	109	-0.01	2.28
9	M	chloroethane	0.265	0.377	-42.3#	114	0.00	2.34
10	M	ethyl ether	0.475	0.401	15.6	62	0.00	2.78
11	M	acetonitrile	0.914	0.733	19.8	63	0.00	3.41
12	M	trichlorofluoromethane	1.094	1.145	-4.7	81	0.00	2.61
13	M	freon-113	0.761	0.757	0.5	77	0.00	2.93
14	M	acrolein	0.046	0.049	-6.5	87	0.00	2.90
15	c	1,1-dichloroethene	0.667	0.630	5.5	75	0.00	3.09
		----------	Amount	Calc.	%Drift	----------		
16	M	acetone	50.000	44.739	10.5	72	0.00	2.96
		----------	AvgRF	CCRF	%Dev	----------		
17	M	Methyl Acetate	0.657	0.367	44.1#	44#	0.00	3.37
18	M	methylene chloride	0.749	0.614	18.0	67	0.00	3.53
19	M	methyl tert butyl ether	1.853	1.637	11.7	71	0.00	3.66
20	M	acrylonitrile	0.217	0.165	24.0#	60	0.00	3.63
21	M	allyl chloride	0.916	0.733	20.0	63	0.00	3.41
22	M	trans-1,2-dichloroethene	0.711	0.625	12.1	72	0.00	3.80
23	M	iodomethane	1.231	1.173	4.7	77	0.00	3.39
24	M	carbon disulfide	2.111	1.874	11.2	71	0.00	3.59
25	M	propionitrile	0.075	0.058	22.7#	61	0.00	4.72
26	M	vinyl acetate	1.202	0.728	39.4#	48#	0.00	4.21
27	M	chloroprene	0.963	0.943	2.1	79	0.00	4.31
28	M	di-isopropyl ether	2.016	1.526	24.3#	61	0.00	4.09
29	M	methacrylonitrile	0.402	0.321	20.1#	64	0.00	4.93
30	M	2-butanone	0.083	0.099	-19.3	93	0.00	4.64
31		Ethyl Acetate	0.080	0.342	-327.5#	329#	0.00	4.81
32	M	Hexane	0.640	0.597	6.7	75	0.00	3.85
33	P	1,1-dichloroethane	1.141	1.045	8.4	75	0.00	4.22

Initial Calibration Verification

Job Number: MC23630 **Sample:** MSG5093-ICV5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130684.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

34	M	tert-butyl ethyl ether	1.935	1.701	12.1	71	0.00	4.50
35	M	isobutyl alcohol	0.022	0.018	18.2	65	-0.01	4.95
36	M	2,2-dichloropropane	0.707	0.769	-8.8	86	0.00	4.79
37	M	cis-1,2-dichloroethene	0.765	0.669	12.5	71	0.00	4.83
38	M	bromochloromethane	0.340	0.339	0.3	81	0.00	5.18
39	c	chloroform	1.232	1.172	4.9	78	0.00	5.00
40	S	dibromofluoromethane (s)	0.693	0.647	6.6	74	0.00	5.23
41	M	Tetrahydrofuran	0.138	0.109	21.0#	63	0.00	5.22
42	M	1,1,1-trichloroethane	1.038	1.095	-5.5	85	0.00	5.43
43	I	1,4-difluorobenzene	1.000	1.000	0.0	80	0.00	6.19
44	M	Cyclohexane	0.727	0.626	13.9	67	0.00	5.45
45	M	carbon tetrachloride	0.630	0.699	-11.0	86	0.00	5.71
46	M	1,1-dichloropropene	0.641	0.612	4.5	74	0.00	5.60
47	M	benzene	1.870	1.595	14.7	71	0.00	5.89
48	M	1,2-dichloroethane	0.637	0.597	6.3	75	0.00	5.87
49	M	tert-amyl methyl ether	1.150	1.074	6.6	72	0.00	5.72
50	M	heptane	0.875	0.771	11.9	68	0.00	5.74
51	M	trichloroethene	0.530	0.475	10.4	73	0.00	6.56
52	c	1,2-dichloropropane	0.446	0.376	15.7	67	0.00	6.76
53	M	dibromomethane	0.255	0.264	-3.5	80	0.00	7.08
54	M	bromodichloromethane	0.569	0.565	0.7	77	0.00	7.02
55	M	Methylcyclohexane	0.738	0.743	-0.7	79	0.00	6.63
		----------	Amount	Calc.	%Drift			
56	M	2-chloroethyl vinyl ether	50.000	40.775	18.5	61	0.00	7.35
		----------	AvgRF	CCRF	%Dev			
57	M	methyl methacrylate	0.245	0.225	8.2	71	0.00	6.82
58	M	1,4-dioxane	0.004	0.003	25.0#	63	0.00	7.05
59	M	cis-1,3-dichloropropene	0.730	0.713	2.3	75	0.00	7.61
60	S	toluene-d8 (s)	1.693	1.764	-4.2	82	0.00	7.88
61	M	4-methyl-2-pentanone	0.341	0.315	7.6	71	0.00	7.38
62	c	toluene	1.115	1.209	-8.4	84	0.00	7.97
63	M	trans-1,3-dichloropropene	0.625	0.809	-29.4#	98	0.00	8.16
64	M	1,1,2-trichloroethane	0.330	0.410	-24.2#	99	0.00	8.34
65	M	ethyl methacrylate	0.452	0.587	-29.9#	99	0.00	8.15
66	I	chlorobenzene-d5	1.000	1.000	0.0	106	0.00	9.54
67	M	tetrachloroethene	0.991	1.038	-4.7	114	0.00	8.68
68	M	1,3-dichloropropane	1.297	1.257	3.1	102	0.00	8.61
69	M	dibromochloromethane	0.843	0.853	-1.2	104	0.00	8.90
70	M	1,2-dibromoethane	0.812	0.797	1.8	102	0.00	9.12
71	M	2-hexanone	0.501	0.684	-36.5#	131	0.00	8.34
72	P	chlorobenzene	2.801	2.611	6.8	100	0.00	9.58
73	M	1,1,1,2-tetrachloroethane	0.916	0.916	0.0	103	0.00	9.63
74	c	ethylbenzene	4.512	4.502	0.2	103	0.00	9.64
75	M	m,p-xylene	1.740	1.724	0.9	102	0.00	9.72
76	M	o-xylene	1.689	1.650	2.3	100	0.00	10.20
77	M	styrene	2.701	2.703	-0.1	101	0.00	10.24
78	P	bromoform	0.456	0.484	-6.1	113	0.00	10.61
79	M	trans-1,4-dichloro-2-bute	0.263	0.253	3.8	97	0.00	10.64
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	12.16
81	M	isopropylbenzene	4.712	4.706	0.1	100	0.00	10.59
82	S	bromofluorobenzene (s)	1.426	1.380	3.2	100	0.00	10.87
83	M	bromobenzene	1.184	1.173	0.9	102	0.00	11.08
84	P	1,1,2,2-tetrachloroethane	0.970	0.937	3.4	101	0.00	10.78
85	M	1,2,3-trichloropropane	0.786	0.764	2.8	98	0.00	10.94
86	M	n-propylbenzene	5.540	5.478	1.1	100	0.00	11.03

Initial Calibration Verification

Job Number: MC23630 **Sample:** MSG5093-ICV5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130684.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

87	M	2-chlorotoluene	3.930	3.731	5.1	96	0.00	11.22
88	M	4-chlorotoluene	3.515	3.416	2.8	101	0.00	11.28
89	M	1,3,5-trimethylbenzene	3.968	3.934	0.9	99	0.00	11.20
90	M	tert-butylbenzene	2.703	2.623	3.0	97	0.00	11.60
91	M	1,2,4-trimethylbenzene	4.003	3.939	1.6	99	0.00	11.63
92	M	sec-butylbenzene	4.795	4.688	2.2	98	0.00	11.82
93	M	1,3-dichlorobenzene	2.343	2.174	7.2	98	0.00	12.08
94	M	p-isopropyltoluene	3.726	3.994	-7.2	107	0.00	11.97
95	M	1,4-dichlorobenzene	2.312	2.210	4.4	102	0.00	12.20
96	M	1,2-dichlorobenzene	2.195	2.029	7.6	96	0.00	12.60
97	M	n-butylbenzene	3.530	3.597	-1.9	101	0.00	12.42
98	M	1,2-dibromo-3-chloropropa	0.147	0.135	8.2	97	0.00	13.46
99		1,3,5-trichlorobenzene	1.438	1.302	9.5	92	0.00	13.72
		----------	Amount	Calc.	%Drift	----------		
100	M	1,2,4-trichlorobenzene	50.000	47.238	5.5	99	0.00	14.42
		----------	AvgRF	CCRF	%Dev	----------		
101	M	hexachlorobutadiene	0.664	0.684	-3.0	102	0.00	14.57
		----------	Amount	Calc.	%Drift	----------		
102	M	naphthalene	50.000	47.044	5.9	99	0.00	14.71
103		2-Methylnaphthalene	25.000	26.202	-4.8	107	0.00	15.89
104		1-Methylnaphthalene	25.000	23.718	5.1	107	0.00	16.16
		----------	AvgRF	CCRF	%Dev	----------		
105	M	1,2,3-trichlorobenzene	0.908	0.905	0.3	96	0.00	14.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
G130658.D g130820s.m Wed Aug 21 11:14:58 2013

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSG5093-CC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130684.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\G130821\G130684.D Vial: 5
Acq On : 21 Aug 2013 10:43 am Operator: jaimem
Sample : cc5092-50 Inst : MSG
Misc : MS29686,MSG5093,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130820s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Aug 21 10:20:56 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	68	-0.02	3.08
2	M	tertiary butyl alcohol	1.419	1.515	-6.8	77	-0.02	3.15
3	T	Ethanol	0.101	0.128	-26.7#	85	-0.02	2.43
4	I	pentafluorobenzene	1.000	1.000	0.0	82	0.00	5.07
5	M	dichlorodifluoromethane	0.778	1.225	-57.5#	134	0.00	1.65
6	P	chloromethane	0.428	0.658	-53.7#	122	0.00	1.84
		----------	Amount	Calc.	%Drift		----------	
7	c	vinyl chloride	50.000	59.694	-19.4	93	0.00	1.92
		----------	AvgRF	CCRF	%Dev		----------	
8	M	bromomethane	0.375	0.511	-36.3#	109	-0.01	2.28
9	M	chloroethane	0.265	0.377	-42.3#	114	0.00	2.34
10	M	ethyl ether	0.475	0.401	15.6	62	0.00	2.78
11	M	acetonitrile	0.914	0.733	19.8	63	0.00	3.41
12	M	trichlorofluoromethane	1.094	1.145	-4.7	81	0.00	2.61
13	M	freon-113	0.761	0.757	0.5	77	0.00	2.93
14	M	acrolein	0.046	0.049	-6.5	87	0.00	2.90
15	c	1,1-dichloroethene	0.667	0.630	5.5	75	0.00	3.09
		----------	Amount	Calc.	%Drift		----------	
16	M	acetone	50.000	44.739	10.5	72	0.00	2.96
		----------	AvgRF	CCRF	%Dev		----------	
17	M	Methyl Acetate	0.657	0.367	44.1#	44#	0.00	3.37
18	M	methylene chloride	0.749	0.614	18.0	67	0.00	3.53
19	M	methyl tert butyl ether	1.853	1.637	11.7	71	0.00	3.66
20	M	acrylonitrile	0.217	0.165	24.0#	60	0.00	3.63
21	M	allyl chloride	0.916	0.733	20.0	63	0.00	3.41
22	M	trans-1,2-dichloroethene	0.711	0.625	12.1	72	0.00	3.80
23	M	iodomethane	1.231	1.173	4.7	77	0.00	3.39
24	M	carbon disulfide	2.111	1.874	11.2	71	0.00	3.59
25	M	propionitrile	0.075	0.058	22.7#	61	0.00	4.72
26	M	vinyl acetate	1.202	0.728	39.4#	48#	0.00	4.21
27	M	chloroprene	0.963	0.943	2.1	79	0.00	4.31
28	M	di-isopropyl ether	2.016	1.526	24.3#	61	0.00	4.09
29	M	methacrylonitrile	0.402	0.321	20.1#	64	0.00	4.93
30	M	2-butanone	0.083	0.099	-19.3	93	0.00	4.64
31		Ethyl Acetate	0.080	0.342	-327.5#	329#	0.00	4.81
32	M	Hexane	0.640	0.597	6.7	75	0.00	3.85
33	P	1,1-dichloroethane	1.141	1.045	8.4	75	0.00	4.22

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSG5093-CC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130684.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

34	M	tert-butyl ethyl ether	1.935	1.701	12.1	71	0.00	4.50
35	M	isobutyl alcohol	0.022	0.018	18.2	65	-0.01	4.95
36	M	2,2-dichloropropane	0.707	0.769	-8.8	86	0.00	4.79
37	M	cis-1,2-dichloroethene	0.765	0.669	12.5	71	0.00	4.83
38	M	bromochloromethane	0.340	0.339	0.3	81	0.00	5.18
39	c	chloroform	1.232	1.172	4.9	78	0.00	5.00
40	S	dibromofluoromethane (s)	0.693	0.647	6.6	74	0.00	5.23
41	M	Tetrahydrofuran	0.138	0.109	21.0#	63	0.00	5.22
42	M	1,1,1-trichloroethane	1.038	1.095	-5.5	85	0.00	5.43
43	I	1,4-difluorobenzene	1.000	1.000	0.0	80	0.00	6.19
44	M	Cyclohexane	0.727	0.626	13.9	67	0.00	5.45
45	M	carbon tetrachloride	0.630	0.699	-11.0	86	0.00	5.71
46	M	1,1-dichloropropene	0.641	0.612	4.5	74	0.00	5.60
47	M	benzene	1.870	1.595	14.7	71	0.00	5.89
48	M	1,2-dichloroethane	0.637	0.597	6.3	75	0.00	5.87
49	M	tert-amyl methyl ether	1.150	1.074	6.6	72	0.00	5.72
50	M	heptane	0.875	0.771	11.9	68	0.00	5.74
51	M	trichloroethene	0.530	0.475	10.4	73	0.00	6.56
52	c	1,2-dichloropropane	0.446	0.376	15.7	67	0.00	6.76
53	M	dibromomethane	0.255	0.264	-3.5	80	0.00	7.08
54	M	bromodichloromethane	0.569	0.565	0.7	77	0.00	7.02
55	M	Methylcyclohexane	0.738	0.743	-0.7	79	0.00	6.63
		----------	Amount	Calc.	%Drift	----------		
56	M	2-chloroethyl vinyl ether	50.000	40.775	18.5	61	0.00	7.35
		----------	AvgRF	CCRF	%Dev	----------		
57	M	methyl methacrylate	0.245	0.225	8.2	71	0.00	6.82
58	M	1,4-dioxane	0.004	0.003	25.0#	63	0.00	7.05
59	M	cis-1,3-dichloropropene	0.730	0.713	2.3	75	0.00	7.61
60	S	toluene-d8 (s)	1.693	1.764	-4.2	82	0.00	7.88
61	M	4-methyl-2-pentanone	0.341	0.315	7.6	71	0.00	7.38
62	c	toluene	1.115	1.209	-8.4	84	0.00	7.97
63	M	trans-1,3-dichloropropene	0.625	0.809	-29.4#	98	0.00	8.16
64	M	1,1,2-trichloroethane	0.330	0.410	-24.2#	99	0.00	8.34
65	M	ethyl methacrylate	0.452	0.587	-29.9#	99	0.00	8.15
66	I	chlorobenzene-d5	1.000	1.000	0.0	106	0.00	9.54
67	M	tetrachloroethene	0.991	1.038	-4.7	114	0.00	8.68
68	M	1,3-dichloropropane	1.297	1.257	3.1	102	0.00	8.61
69	M	dibromochloromethane	0.843	0.853	-1.2	104	0.00	8.90
70	M	1,2-dibromoethane	0.812	0.797	1.8	102	0.00	9.12
71	M	2-hexanone	0.501	0.684	-36.5#	131	0.00	8.34
72	P	chlorobenzene	2.801	2.611	6.8	100	0.00	9.58
73	M	1,1,1,2-tetrachloroethane	0.916	0.916	0.0	103	0.00	9.63
74	c	ethylbenzene	4.512	4.502	0.2	103	0.00	9.64
75	M	m,p-xylene	1.740	1.724	0.9	102	0.00	9.72
76	M	o-xylene	1.689	1.650	2.3	100	0.00	10.20
77	M	styrene	2.701	2.703	-0.1	101	0.00	10.24
78	P	bromoform	0.456	0.484	-6.1	113	0.00	10.61
79	M	trans-1,4-dichloro-2-bute	0.263	0.253	3.8	97	0.00	10.64
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	12.16
81	M	isopropylbenzene	4.712	4.706	0.1	100	0.00	10.59
82	S	bromofluorobenzene (s)	1.426	1.380	3.2	100	0.00	10.87
83	M	bromobenzene	1.184	1.173	0.9	102	0.00	11.08
84	P	1,1,2,2-tetrachloroethane	0.970	0.937	3.4	101	0.00	10.78
85	M	1,2,3-trichloropropane	0.786	0.764	2.8	98	0.00	10.94
86	M	n-propylbenzene	5.540	5.478	1.1	100	0.00	11.03

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSG5093-CC5092
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G130684.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

87	M	2-chlorotoluene	3.930	3.731	5.1	96	0.00	11.22
88	M	4-chlorotoluene	3.515	3.416	2.8	101	0.00	11.28
89	M	1,3,5-trimethylbenzene	3.968	3.934	0.9	99	0.00	11.20
90	M	tert-butylbenzene	2.703	2.623	3.0	97	0.00	11.60
91	M	1,2,4-trimethylbenzene	4.003	3.939	1.6	99	0.00	11.63
92	M	sec-butylbenzene	4.795	4.688	2.2	98	0.00	11.82
93	M	1,3-dichlorobenzene	2.343	2.174	7.2	98	0.00	12.08
94	M	p-isopropyltoluene	3.726	3.994	-7.2	107	0.00	11.97
95	M	1,4-dichlorobenzene	2.312	2.210	4.4	102	0.00	12.20
96	M	1,2-dichlorobenzene	2.195	2.029	7.6	96	0.00	12.60
97	M	n-butylbenzene	3.530	3.597	-1.9	101	0.00	12.42
98	M	1,2-dibromo-3-chloropropa	0.147	0.135	8.2	97	0.00	13.46
99		1,3,5-trichlorobenzene	1.438	1.302	9.5	92	0.00	13.72
		----------	Amount	Calc.	%Drift	----------		
100	M	1,2,4-trichlorobenzene	50.000	47.238	5.5	99	0.00	14.42
		----------	AvgRF	CCRF	%Dev	----------		
101	M	hexachlorobutadiene	0.664	0.684	-3.0	102	0.00	14.57
		----------	Amount	Calc.	%Drift	----------		
102	M	naphthalene	50.000	47.044	5.9	99	0.00	14.71
103		2-Methylnaphthalene	25.000	26.202	-4.8	107	0.00	15.89
104		1-Methylnaphthalene	25.000	23.718	5.1	107	0.00	16.16
		----------	AvgRF	CCRF	%Dev	----------		
105	M	1,2,3-trichlorobenzene	0.908	0.905	0.3	96	0.00	14.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
G130658.D g130820s.m Wed Aug 21 11:14:58 2013

Initial Calibration Summary

Job Number: MC23630 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report MSP

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Calibration Files
0.5 =p70800.D 400 =p70808.D 2 =p70801.D 5 =p70802.D
50 =p70805.D 20 =p70804.D 200 =p70807.D 100 =p70806.D
= =

Compound	0.5	400	2	5	50	20	200	100	Avg	%RSD
1) tert butyl alcohol-d9 ----------ISTD----------										
2) tertiary butyl alcohol	1.046	1.260	1.114	1.191	1.116	1.103	0.981		1.116	8.14
3) Ethanol	0.135	0.111	0.187	0.161	0.144	0.148	0.135		0.146	16.13
----- Linear regression ----- Coefficient = 0.9977										
Response Ratio = 0.10159 + 0.13602 *A										
4) I pentafluorobenzene ----------ISTD----------										
5) dichlorodifluoromethane	0.391	0.431	0.405	0.437	0.400	0.433	0.373		0.410	5.90
6) chloromethane	0.479	0.475	0.440	0.394	0.380	0.488	0.344		0.429	13.15
7) vinyl chloride	0.477	0.730	0.632	0.571	0.527	0.554	0.497		0.570	15.27
8) bromomethane	0.226	0.187	0.135	0.178	0.132	0.227	0.179		0.181	21.11
----- Linear regression ----- Coefficient = 0.9973										
Response Ratio = -0.03485 + 0.22981 *A										
9) chloroethane	0.215	0.270	0.255	0.227	0.220	0.231	0.201		0.231	10.35
10) ethyl ether	0.291	0.286	0.289	0.308	0.281	0.312	0.253		0.289	6.77
11) acetonitrile	0.050	0.364	0.345	0.209	0.211	0.087	0.138		0.201	60.10
12) trichlorofluoromethane	0.802	0.995	0.949	0.954	0.922	0.887	0.782		0.899	8.92
13) freon-113	0.424	0.449	0.469	0.419	0.406	0.407	0.353		0.418	8.83
14) acrolein	0.027	0.047	0.029	0.028	0.030	0.028	0.022		0.030	26.69
----- Linear regression ----- Coefficient = 0.9969										
Response Ratio = -0.00161 + 0.02672 *A										
15) 1,1-dichloroethene	0.303	0.400	0.318	0.331	0.316	0.320	0.278		0.324	11.69
16) acetone	0.048	0.141	0.076	0.063	0.072	0.054	0.048		0.072	45.37
----- Linear regression ----- Coefficient = 0.9962										
Response Ratio = 0.00798 + 0.04786 *A										
17) Methyl Acetate										

Initial Calibration Summary

Job Number: MC23630 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
                0.513 0.545 0.517 0.470 0.467 0.466 0.365          0.478    12.16
18)  methylene chloride
                0.396 0.616 0.498 0.406 0.397 0.400 0.335          0.435    21.32
             ----- Linear regression -----  Coefficient =  0.9982
               Response Ratio = -0.01128 + 0.39637 *A

19)  methyl tert butyl ether
                0.911 0.858 0.662 0.842 0.801 0.917 0.686          0.811    12.56
20)  acrylonitrile
                0.122 0.147 0.149 0.126 0.126 0.128 0.102          0.129    12.36
21)  allyl chloride
                0.536 0.530 0.577 0.586 0.547 0.477 0.492          0.535     7.52
22)  trans-1,2-dichloroethene
                0.445 0.483 0.445 0.460 0.423 0.466 0.394          0.445     6.63
23)  iodomethane
                0.331 0.192 0.128 0.301 0.245 0.338 0.284          0.260    29.72
             ----- Linear regression -----  Coefficient =  0.9986
               Response Ratio = -0.03173 + 0.33518 *A

24)  carbon disulfide
                1.368 0.951 0.983 0.943 0.791 1.353 0.995          1.055    20.80
             ----- Linear regression -----  Coefficient =  0.9955
               Response Ratio = -0.26545 + 1.39018 *A

25)  propionitrile
                0.067 0.049 0.047 0.068 0.063 0.071 0.053          0.060    16.05
             ----- Linear regression -----  Coefficient =  0.9957
               Response Ratio = -0.00360 + 0.06753 *A

26)  vinyl acetate
                0.750 0.669 0.542 0.689 0.618 0.766 0.565          0.657    13.14
27)  chloroprene
                0.889 0.879 0.870 0.982 0.931 0.980 0.844          0.911     6.02
28)  di-isopropyl ether
                1.619 1.827 1.759 1.870 1.755 1.831 1.549          1.744     6.79
29)  methacrylonitrile
                0.311 0.298 0.239 0.333 0.281 0.341 0.269          0.296    12.19
30)  2-butanone
                0.066 0.036 0.046 0.069 0.053 0.075 0.060          0.058    23.84
             ----- Linear regression -----  Coefficient =  0.9949
               Response Ratio = -0.00115 + 0.06793 *A

31)  Hexane
                0.878 1.150 1.030 1.056 0.990 1.002 0.870          0.997     9.88
32)  1,1-dichloroethane
                0.854 0.972 0.902 0.931 0.894 0.934 0.791          0.897     6.65
33)  tert-butyl ethyl ether
                0.795 0.594 0.494 0.588 0.596 0.768 0.508          0.621    18.96
             ----- Linear regression -----  Coefficient =  0.9926
               Response Ratio = -0.16218 + 0.80351 *A

34)  isobutyl alcohol
                0.302 0.327 0.323 0.357 0.337 0.343 0.292          0.326     7.04
35)  2,2-dichloropropane
                0.763 0.206 0.236 0.507 0.458 0.768 0.517          0.493    45.27
             ----- Linear regression -----  Coefficient =  0.9939
               Response Ratio = -0.16899 + 0.77954 *A

36)  cis-1,2-dichloroethene
                0.499 0.553 0.481 0.521 0.484 0.537 0.448          0.503     7.22
```

Initial Calibration Summary

Job Number: MC23630 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
37)  ethyl acetate
                0.035       0.065 0.037 0.044 0.038 0.030          0.041    29.83
             ----- Linear regression -----  Coefficient =  0.9961
               Response Ratio = 0.00153 + 0.03489 *A

38)  bromochloromethane
                0.166 0.200 0.169 0.199 0.181 0.189 0.160          0.181     8.83
39)  chloroform
                0.926 0.988 0.994 1.030 0.975 1.023 0.868          0.972     5.90
40)  dibromofluoromethane (s)
                0.503 0.456 0.463 0.518 0.475 0.490 0.618          0.503    10.98
41)  Tetrahydrofuran
                0.155 0.187 0.148 0.153 0.133 0.162 0.122          0.152    13.72
42)  1,1,1-trichloroethane
                0.883 0.851 0.830 0.949 0.879 0.962 0.808          0.880     6.57

43) I   1,4-difluorobenzene   ----------------ISTD---------------------
44)  Cyclohexane
                0.671 0.742 0.712 0.743 0.714 0.723 0.623          0.704     6.10
45)  carbon tetrachloride
                0.530 0.476 0.470 0.572 0.517 0.580 0.490          0.519     8.55
46)  1,1-dichloropropene
                0.544 0.589 0.566 0.601 0.573 0.587 0.497          0.565     6.28
47)  benzene
              2.795 1.378 1.739 1.629 1.505 1.463 1.498 1.274      1.660    28.91
             ----- Linear regression -----  Coefficient =  0.9976
               Response Ratio = 0.03587 + 1.39089 *A

48)  1,2-dichloroethane
                0.589 0.672 0.645 0.677 0.630 0.661 0.545          0.631     7.64
49)  tert-amyl methyl ether
                0.409 0.390 0.294 0.309 0.337 0.400 0.267          0.344    16.45
             ----- Linear regression -----  Coefficient =  0.9929
               Response Ratio = -0.07439 + 0.41297 *A

50)  heptane
                0.611 0.734 0.658 0.699 0.671 0.688 0.580          0.663     7.94
51)  trichloroethene
              0.625 0.407 0.420 0.452 0.439 0.406 0.448 0.385      0.448    16.80
             ----- Linear regression -----  Coefficient =  0.9973
               Response Ratio = 0.00945 + 0.41256 *A

52)  1,2-dichloropropane
                0.376 0.444 0.382 0.403 0.389 0.413 0.343          0.393     8.10
53)  dibromomethane
                0.198 0.206 0.195 0.218 0.196 0.217 0.175          0.201     7.31
54)  bromodichloromethane
                0.563 0.457 0.461 0.570 0.488 0.617 0.501          0.522    11.71
55)  Methylcyclohexane
                0.645 0.682 0.643 0.692 0.649 0.696 0.589          0.656     5.72
56)  2-chloroethyl vinyl ether
                0.007       0.012 0.009 0.009 0.008 0.007          0.009    19.09
             ----- Linear regression -----  Coefficient =  0.9957
               Response Ratio = 0.00119 + 0.00710 *A

57)  methyl methacrylate
                0.235 0.208 0.157 0.235 0.207 0.250 0.195          0.212    14.76
58)  1,4-dioxane
                0.003       0.002 0.003 0.003 0.004 0.003          0.003    19.80
             ----- Linear regression -----  Coefficient =  0.9961
```

Initial Calibration Summary

Job Number: MC23630 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
              Response Ratio = -0.00106 + 0.00341 *A

59)  cis-1,3-dichloropropene
                0.643 0.498 0.484 0.649 0.562 0.699 0.558         0.585   13.91
60)  toluene-d8 (s)
                1.335 1.372 1.286 1.423 1.302 1.318 1.659         1.385    9.34
61)  4-methyl-2-pentanone
                0.375 0.341 0.298 0.394 0.364 0.399 0.312         0.355   11.07
62)  toluene
                0.875 0.871 0.892 0.967 0.917 0.959 0.813         0.899    5.98
63)  trans-1,3-dichloropropene
                0.564 0.387 0.381 0.535 0.463 0.604 0.462         0.485   17.70
             ----- Linear regression -----  Coefficient =  0.9963
               Response Ratio = -0.04126 + 0.57374 *A

64)  1,1,2-trichloroethane
                0.264 0.255 0.250 0.294 0.260 0.296 0.241         0.266    7.96
65)  ethyl methacrylate
                0.433 0.313 0.327 0.446 0.398 0.471 0.371         0.394   15.30
             ----- Linear regression -----  Coefficient =  0.9963
               Response Ratio = -0.01348 + 0.43982 *A


66) I   chlorobenzene-d5      ----------------ISTD--------------------
67)  tetrachloroethene
           0.859 0.613 0.678 0.647 0.640 0.626 0.646 0.556         0.658   13.44
68)  1,3-dichloropropane
                0.907 0.959 0.902 0.963 0.906 0.959 0.808         0.915    5.96
69)  dibromochloromethane
                0.646 0.401 0.399 0.584 0.478 0.658 0.522         0.527   20.38
             ----- Linear regression -----  Coefficient =  0.9977
               Response Ratio = -0.06998 + 0.65405 *A

70)  1,2-dibromoethane
                0.572 0.518 0.499 0.559 0.513 0.594 0.475         0.533    8.02
71)  2-hexanone
                0.495 0.546 0.392 0.469 0.449 0.501 0.406         0.465   11.75
72)  chlorobenzene
                1.669 1.756 1.700 1.680 1.642 1.748 1.479         1.668    5.57
73)  1,1,1,2-tetrachloroethane
                0.599 0.528 0.504 0.598 0.546 0.625 0.519         0.560    8.39
74)  ethylbenzene
                2.918 3.368 3.153 3.188 3.095 3.293 2.829         3.121    6.18
75)  m,p-xylene
                1.113 1.210 1.150 1.193 1.161 1.193 1.036         1.151    5.24
76)  o-xylene
                1.126 1.131 1.159 1.194 1.145 1.201 1.038         1.142    4.76
77)  styrene
                1.815 1.531 1.567 1.833 1.646 1.905 1.640         1.705    8.48
78)  bromoform
                0.429 0.221 0.208 0.328 0.252 0.418 0.302         0.308   28.94
             ----- Linear regression -----  Coefficient =  0.9953
               Response Ratio = -0.08394 + 0.43445 *A

79)  trans-1,4-dichloro-2-butene
                0.177 0.060 0.066 0.122 0.103 0.166 0.112         0.115   38.81
             ----- Linear regression -----  Coefficient =  0.9929
               Response Ratio = -0.04339 + 0.17889 *A
```

Initial Calibration Summary

Job Number: MC23630 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
 80) I   1,4-dichlorobenzene-d ----------------ISTD--------------------
 81)  isopropylbenzene
                3.505 4.796 4.255 4.520 4.293 4.089 3.731         4.170   10.62
 82)  bromofluorobenzene (s)
                1.159 1.459 1.195 1.256 1.142 1.084 1.494         1.256   12.75
 83)  bromobenzene
                0.855 0.918 0.883 0.949 0.879 0.901 0.792         0.883    5.68
 84)  1,1,2,2-tetrachloroethane
                0.840 0.933 0.813 0.957 0.868 0.879 0.752         0.863    8.10
 85)  1,2,3-trichloropropane
                0.973 0.915 0.778 0.983 0.875 0.980 0.792         0.899    9.73
 86)  n-propylbenzene
                3.717 5.304 4.836 5.152 4.847 4.769 4.311         4.705   11.42
 87)  2-chlorotoluene
                2.809 3.269 3.128 3.187 3.015 2.974 2.655         3.005    7.18
 88)  4-chlorotoluene
                2.834 3.298 3.007 3.237 2.968 3.038 2.688         3.010    7.07
 89)  1,3,5-trimethylbenzene
                3.150 3.713 3.574 3.739 3.499 3.517 3.148         3.477    6.96
 90)  tert-butylbenzene
                2.096 2.618 2.377 2.424 2.303 2.245 2.032         2.299    8.67
 91)  1,2,4-trimethylbenzene
                3.124 3.462 3.377 3.621 3.360 3.461 3.072         3.354    5.80
 92)  sec-butylbenzene
                3.663 4.579 4.487 4.798 4.461 4.520 4.043         4.364    8.76
 93)  1,3-dichlorobenzene
                1.627 1.685 1.650 1.769 1.624 1.731 1.503         1.656    5.21
 94)  p-isopropyltoluene
                2.896 3.203 3.065 3.346 3.147 3.174 2.841         3.096    5.73
 95)  1,4-dichlorobenzene
                1.473 1.728 1.657 1.677 1.588 1.603 1.435         1.595    6.72
 96)  1,2-dichlorobenzene
                1.554 1.589 1.497 1.645 1.510 1.659 1.425         1.554    5.40
 97)  n-butylbenzene
                3.141 2.707 2.837 3.548 3.232 3.582 3.113         3.166   10.36
 98)  1,2-dibromo-3-chloropropane
                0.204 0.154 0.120 0.176 0.143 0.207 0.159         0.166   19.14
              ----- Linear regression -----  Coefficient =  0.9971
                Response Ratio = -0.02636 + 0.20674 *A

 99)  1,3,5-trichlorobenzene
                1.189 1.069 1.088 1.244 1.129 1.279 1.119         1.160    6.88
100)  1,2,4-trichlorobenzene
                1.151 0.597 0.714 1.123 0.950 1.223 1.041         0.971   24.16
              ----- Linear regression -----  Coefficient =  0.9982
                Response Ratio = -0.05384 + 1.16841 *A

101)  hexachlorobutadiene
                0.842 0.903 0.835 0.835 0.774 0.911 0.785         0.841    6.22
102)  naphthalene
                2.262 0.950 0.791 1.769 1.226 2.319 1.799         1.588   38.46
              ----- Linear regression -----  Coefficient =  0.9972
                Response Ratio = -0.36278 + 2.30919 *A

103)  1,2,3-trichlorobenzene
                1.057 0.530 0.566 0.974 0.792 1.115 0.937         0.853   27.19
              ----- Linear regression -----  Coefficient =  0.9982
                Response Ratio = -0.07848 + 1.07527 *A

104)  2-Methylnaphthalene
```

Initial Calibration Summary

Job Number: MC23630 **Sample:** MSP2318-ICC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70805.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
                  0.683 0.601 0.557 0.561 0.552 0.561 0.483         0.571   10.63
105)  1-Methylnaphthalene
                        0.601 0.549 0.495 0.502 0.538 0.422         0.518   11.65
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           P130805S.M        Tue Aug 06 12:43:18 2013
```

Initial Calibration Verification

Job Number: MC23630 **Sample:** MSP2318-ICV2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70811.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\P130805\p70811.D Vial: 17
Acq On : 5 Aug 2013 7:10 pm Operator: krystend
Sample : ICV2318-50 Inst : MSP
Misc : ms29498,msp2318,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 06 12:41:53 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		tert butyl alcohol-d9	1.000	1.000	0.0	107	0.00	6.08
2		tertiary butyl alcohol	1.116	1.232	-10.4	111	0.00	6.16
			True	Calc.	% Drift			
3	T	Ethanol	5000.000	5125.722	-2.5	100	0.00	4.98
			AvgRF	CCRF	% Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	113	0.00	8.45
5	M	dichlorodifluoromethane	0.410	0.447	-9.0	116	0.00	4.15
6	P	chloromethane	0.429	0.538	-25.4#	155	0.00	4.10
7	c	vinyl chloride	0.570	0.469	17.7	93	0.00	4.33
			True	Calc.	% Drift			
8	M	bromomethane	50.000	55.674	-11.3	140	0.00	4.80
			AvgRF	CCRF	% Dev			
9	M	chloroethane	0.231	0.258	-11.7	129	0.00	4.95
10	M	ethyl ether	0.289	0.310	-7.3	114	0.00	5.81
11	M	acetonitrile	0.201	0.203	-1.0	110	0.00	5.47
12	M	trichlorofluoromethane	0.899	0.881	2.0	105	0.00	5.57
13	M	freon-113	0.418	0.447	-6.9	121	0.00	6.31
			True	Calc.	% Drift			
14	M	acrolein	250.000	465.528	-86.2#	201	0.00	5.57
			AvgRF	CCRF	% Dev			
15	c	1,1-dichloroethene	0.324	0.369	-13.9	126	0.00	6.13
			True	Calc.	% Drift			
16	M	acetone	50.000	40.569	18.9	84	0.00	5.69
			AvgRF	CCRF	% Dev			
17	M	Methyl Acetate	0.478	0.373	22.0#	90	0.00	6.32
			True	Calc.	% Drift			
18	M	methylene chloride	50.000	54.832	-9.7	118	0.00	6.28
			AvgRF	CCRF	% Dev			
19	M	methyl tert butyl ether	0.811	0.886	-9.2	119	0.00	7.05
20	M	acrylonitrile	0.129	0.125	3.1	113	0.00	6.19
21	M	allyl chloride	0.535	0.750	-40.2#	145	0.00	6.37

Initial Calibration Verification

Job Number: MC23630 **Sample:** MSP2318-ICV2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70811.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

22	M	trans-1,2-dichloroethene	0.445	0.499	-12.1	123	0.00	6.95
			True	Calc.	% Drift			
23	M	iodomethane	50.000	47.831	4.3	109	0.00	6.18
24	M	carbon disulfide	50.000	59.935	-19.9	168	0.00	6.54
25	M	propionitrile	50.000	50.093	-0.2	107	0.00	7.23
			AvgRF	CCRF	% Dev			
26	M	vinyl acetate	0.657	0.541	17.7	89	0.00	7.31
27	M	chloroprene	0.911	1.094	-20.1#	126	0.00	7.56
28	M	di-isopropyl ether	1.744	1.857	-6.5	112	0.00	7.61
29	M	methacrylonitrile	0.296	0.305	-3.0	104	0.00	7.72
			True	Calc.	% Drift			
30	M	2-butanone	50.000	48.893	2.2	107	0.00	7.62
			AvgRF	CCRF	% Dev			
31	M	Hexane	0.997	1.054	-5.7	113	0.00	7.58
32	P	1,1-dichloroethane	0.897	1.068	-19.1	130	0.00	7.20
			True	Calc.	% Drift			
33	M	tert-butyl ethyl ether	50.000	50.579	-1.2	125	0.00	8.00
			AvgRF	CCRF	% Dev			
34	M	isobutyl alcohol	0.326	0.346	-6.1	110	0.00	7.61
			True	Calc.	% Drift			
35	M	2,2-dichloropropane	50.000	49.010	2.0	133	0.00	8.05
			AvgRF	CCRF	% Dev			
36	M	cis-1,2-dichloroethene	0.503	0.543	-8.0	118	0.00	7.76
			True	Calc.	% Drift			
37		ethyl acetate	50.000	53.835	-7.7	121	0.00	8.29
			AvgRF	CCRF	% Dev			
38	M	bromochloromethane	0.181	0.224	-23.8#	128	0.00	7.93
39	c	chloroform	0.972	1.120	-15.2	123	0.00	7.96
40	S	dibromofluoromethane (s)	0.503	0.497	1.2	109	0.00	8.09
41	M	Tetrahydrofuran	0.152	0.153	-0.7	113	0.00	8.29
42	M	1,1,1-trichloroethane	0.880	1.030	-17.0	123	0.00	8.71
43	I	1,4-difluorobenzene	1.000	1.000	0.0	112	0.00	9.30
44	M	Cyclohexane	0.704	0.740	-5.1	112	0.00	8.98
45	M	carbon tetrachloride	0.519	0.624	-20.2#	122	0.00	9.06
46	M	1,1-dichloropropene	0.565	0.621	-9.9	116	0.00	8.88
			True	Calc.	% Drift			
47	M	benzene	50.000	56.322	-12.6	119	0.00	9.10
			AvgRF	CCRF	% Dev			
48	M	1,2-dichloroethane	0.631	0.655	-3.8	108	0.00	8.61
			True	Calc.	% Drift			
49	M	tert-amyl methyl ether	50.000	51.998	-4.0	129	0.00	9.23
			AvgRF	CCRF	% Dev			
50	M	heptane	0.663	0.703	-6.0	113	0.00	9.58
			True	Calc.	% Drift			

Initial Calibration Verification

Job Number: MC23630 **Sample:** MSP2318-ICV2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70811.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

51	M	trichloroethene	50.000	55.114	-10.2	118	0.00	9.72
			AvgRF	CCRF	% Dev			
52	c	1,2-dichloropropane	0.393	0.424	-7.9	118	0.00	9.68
53	M	dibromomethane	0.201	0.238	-18.4	122	0.00	9.66
54	M	bromodichloromethane	0.522	0.598	-14.6	117	0.00	9.77
55	M	Methylcyclohexane	0.656	0.739	-12.7	120	0.00	10.23
			True	Calc.	% Drift			
56	M	2-chloroethyl vinyl ether	50.000	54.488	-9.0	109	0.00	10.22
			AvgRF	CCRF	% Dev			
57	M	methyl methacrylate	0.212	0.242	-14.2	116	0.00	9.88
			True	Calc.	% Drift			
58	M	1,4-dioxane	250.000	246.274	1.5	103	0.00	9.88
			AvgRF	CCRF	% Dev			
59	M	cis-1,3-dichloropropene	0.585	0.635	-8.5	110	0.00	10.39
60	S	toluene-d8 (s)	1.385	1.379	0.4	108	0.00	11.09
61	M	4-methyl-2-pentanone	0.355	0.392	-10.4	111	0.00	10.50
62	c	toluene	0.899	1.020	-13.5	118	0.00	11.16
			True	Calc.	% Drift			
63	M	trans-1,3-dichloropropene	50.000	51.411	-2.8	115	0.00	10.81
			AvgRF	CCRF	% Dev			
64	M	1,1,2-trichloroethane	0.266	0.284	-6.8	108	0.00	10.98
			True	Calc.	% Drift			
65	M	ethyl methacrylate	50.000	52.644	-5.3	113	0.00	11.20
			AvgRF	CCRF	% Dev			
66	I	chlorobenzene-d5	1.000	1.000	0.0	110	0.00	12.55
67	M	tetrachloroethene	0.658	0.729	-10.8	125	0.00	11.90
68	M	1,3-dichloropropane	0.915	0.974	-6.4	111	0.00	11.22
			True	Calc.	% Drift			
69	M	dibromochloromethane	50.000	51.755	-3.5	114	0.00	11.50
			AvgRF	CCRF	% Dev			
70	M	1,2-dibromoethane	0.533	0.574	-7.7	113	0.00	11.75
71	M	2-hexanone	0.465	0.456	1.9	107	0.00	11.36
72	P	chlorobenzene	1.668	1.702	-2.0	111	0.00	12.58
73	M	1,1,1,2-tetrachloroethane	0.560	0.614	-9.6	113	0.00	12.50
74	c	ethylbenzene	3.121	3.316	-6.2	114	0.00	12.75
75	M	m,p-xylene	1.151	1.219	-5.9	112	0.00	12.94
76	M	o-xylene	1.142	1.185	-3.8	109	0.00	13.35
77	M	styrene	1.705	1.857	-8.9	111	0.00	13.28
			True	Calc.	% Drift			
78	P	bromoform	50.000	51.256	-2.5	121	0.00	13.10
79	M	trans-1,4-dichloro-2-bute	50.000	46.766	6.5	111	0.00	13.51
			AvgRF	CCRF	% Dev			
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	109	0.00	15.10
81	M	isopropylbenzene	4.170	4.500	-7.9	109	0.00	13.72
82	S	bromofluorobenzene (s)	1.256	1.180	6.1	103	0.00	13.77

Initial Calibration Verification

Job Number: MC23630 **Sample:** MSP2318-ICV2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P70811.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

83	M	bromobenzene	0.883	0.973	-10.2	112	0.00	13.99
84	P	1,1,2,2-tetrachloroethane	0.863	0.966	-11.9	110	0.00	13.36
85	M	1,2,3-trichloropropane	0.899	0.985	-9.6	109	0.00	13.51
86	M	n-propylbenzene	4.705	4.969	-5.6	105	0.00	14.16
87	M	2-chlorotoluene	3.005	3.034	-1.0	104	0.00	14.28
88	M	4-chlorotoluene	3.010	3.155	-4.8	107	0.00	14.35
89	M	1,3,5-trimethylbenzene	3.477	3.670	-5.6	107	0.00	14.44
90	M	tert-butylbenzene	2.299	2.352	-2.3	106	0.00	14.74
91	M	1,2,4-trimethylbenzene	3.354	3.553	-5.9	107	0.00	14.85
92	M	sec-butylbenzene	4.364	4.710	-7.9	107	0.00	14.97
93	M	1,3-dichlorobenzene	1.656	1.680	-1.4	104	0.00	15.06
94	M	p-isopropyltoluene	3.096	3.533	-14.1	115	0.00	15.15
95	M	1,4-dichlorobenzene	1.595	1.710	-7.2	111	0.00	15.13
96	M	1,2-dichlorobenzene	1.554	1.595	-2.6	106	0.00	15.50
97	M	n-butylbenzene	3.166	3.519	-11.1	108	0.00	15.56
			True	Calc.	% Drift			
98	M	1,2-dibromo-3-chloropropa	50.000	48.186	3.6	108	0.00	15.98
			AvgRF	CCRF	% Dev			
99		1,3,5-trichlorobenzene	1.160	1.314	-13.3	115	0.00	16.80
			True	Calc.	% Drift			
100	M	1,2,4-trichlorobenzene	50.000	50.339	-0.7	109	0.00	17.33
			AvgRF	CCRF	% Dev			
101	M	hexachlorobutadiene	0.841	0.884	-5.1	116	0.00	17.62
			True	Calc.	% Drift			
102	M	naphthalene	50.000	50.392	-0.8	121	0.00	17.59
103	M	1,2,3-trichlorobenzene	50.000	50.505	-1.0	113	0.00	17.79
			AvgRF	CCRF	% Dev			
104	M	2-Methylnaphthalene	0.571	0.665	-16.5	130	0.00	18.89
105	M	1-Methylnaphthalene	0.518	0.111	78.6#	24#	0.00	19.12

(7.9 %) 8 of 101 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p70805.D P130805S.M Tue Aug 06 12:43:08 2013

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSP2332-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71195.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\P130822\p71195.D Vial: 2
Acq On : 22 Aug 2013 8:32 am Operator: krystend
Sample : cc2318-50 Inst : MSP
Misc : ms29711,msp2332,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 06 12:41:53 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		tert butyl alcohol-d9	1.000	1.000	0.0	98	0.00	6.08
2		tertiary butyl alcohol	1.116	1.305	-16.9	107	0.00	6.17
			True	Calc.	% Drift			
3	T	Ethanol	5000.000	4092.823	18.1	74	0.00	4.99
			AvgRF	CCRF	% Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	85	0.00	8.45
5	M	dichlorodifluoromethane	0.410	0.519	-26.6#	101	0.00	4.15
6	P	chloromethane	0.429	0.381	11.2	82	0.00	4.11
7	c	vinyl chloride	0.570	0.678	-18.9	101	0.00	4.33
			True	Calc.	% Drift			
8	M	bromomethane	50.000	59.918	-19.8	115	0.00	4.80
			AvgRF	CCRF	% Dev			
9	M	chloroethane	0.231	0.268	-16.0	101	0.00	4.95
10	M	ethyl ether	0.289	0.317	-9.7	87	0.00	5.81
11	M	acetonitrile	0.201	0.278	-38.3#	113	0.00	5.47
12	M	trichlorofluoromethane	0.899	1.410	-56.8#	126	0.00	5.57
13	M	freon-113	0.418	0.504	-20.6#	102	0.00	6.31
			True	Calc.	% Drift			
14	M	acrolein	250.000	225.169	9.9	73	0.00	5.57
			AvgRF	CCRF	% Dev			
15	c	1,1-dichloroethene	0.324	0.386	-19.1	99	0.00	6.13
			True	Calc.	% Drift			
16	M	acetone	50.000	66.372	-32.7#	97	0.00	5.70
			AvgRF	CCRF	% Dev			
17	M	Methyl Acetate	0.478	0.471	1.5	85	0.00	6.32
			True	Calc.	% Drift			
18	M	methylene chloride	50.000	57.902	-15.8	94	0.00	6.28
			AvgRF	CCRF	% Dev			
19	M	methyl tert butyl ether	0.811	0.921	-13.6	93	0.00	7.05
20	M	acrylonitrile	0.129	0.116	10.1	78	0.00	6.20
21	M	allyl chloride	0.535	0.696	-30.1#	101	0.00	6.37

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSP2332-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71195.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

22	M	trans-1,2-dichloroethene	0.445	0.427	4.0	79	0.00	6.95
			True	Calc.	% Drift			
23	M	iodomethane	50.000	74.951	-49.9#	133	0.00	6.18
24	M	carbon disulfide	50.000	57.133	-14.3	119	0.00	6.54
25	M	propionitrile	50.000	36.781	26.4#	58	0.01	7.24
			AvgRF	CCRF	% Dev			
26	M	vinyl acetate	0.657	0.713	-8.5	88	0.00	7.31
27	M	chloroprene	0.911	0.984	-8.0	85	0.00	7.56
28	M	di-isopropyl ether	1.744	1.643	5.8	75	0.00	7.61
29	M	methacrylonitrile	0.296	0.292	1.4	75	0.00	7.73
			True	Calc.	% Drift			
30	M	2-butanone	50.000	49.032	1.9	80	0.00	7.62
			AvgRF	CCRF	% Dev			
31	M	Hexane	0.997	1.062	-6.5	86	0.00	7.58
32	P	1,1-dichloroethane	0.897	0.916	-2.1	84	0.00	7.20
			True	Calc.	% Drift			
33	M	tert-butyl ethyl ether	50.000	47.003	6.0	86	0.00	8.00
			AvgRF	CCRF	% Dev			
34	M	isobutyl alcohol	0.326	0.330	-1.2	79	0.00	7.61
			True	Calc.	% Drift			
35	M	2,2-dichloropropane	50.000	52.487	-5.0	109	0.00	8.05
			AvgRF	CCRF	% Dev			
36	M	cis-1,2-dichloroethene	0.503	0.520	-3.4	85	0.00	7.76
			True	Calc.	% Drift			
37		ethyl acetate	50.000	44.979	10.0	76	0.00	8.30
			AvgRF	CCRF	% Dev			
38	M	bromochloromethane	0.181	0.191	-5.5	82	0.00	7.93
39	c	chloroform	0.972	1.150	-18.3	95	0.00	7.96
40	S	dibromofluoromethane (s)	0.503	0.501	0.4	82	0.00	8.09
41	M	Tetrahydrofuran	0.152	0.108	28.9#	60	0.00	8.30
42	M	1,1,1-trichloroethane	0.880	1.232	-40.0#	110	0.00	8.70
43	I	1,4-difluorobenzene	1.000	1.000	0.0	76	0.00	9.30
44	M	Cyclohexane	0.704	0.629	10.7	65	0.00	8.98
45	M	carbon tetrachloride	0.519	0.911	-75.5#	121	0.00	9.06
46	M	1,1-dichloropropene	0.565	0.654	-15.8	83	0.00	8.88
			True	Calc.	% Drift			
47	M	benzene	50.000	52.576	-5.2	76	0.00	9.10
			AvgRF	CCRF	% Dev			
48	M	1,2-dichloroethane	0.631	0.910	-44.2#	103	0.00	8.61
			True	Calc.	% Drift			
49	M	tert-amyl methyl ether	50.000	57.928	-15.9	100	0.00	9.23
			AvgRF	CCRF	% Dev			
50	M	heptane	0.663	0.615	7.2	67	0.00	9.58
			True	Calc.	% Drift			

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSP2332-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71195.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

51	M	trichloroethene	50.000	60.167	-20.3#	88	0.00	9.72
			AvgRF	CCRF	% Dev			
52	c	1,2-dichloropropane	0.393	0.395	-0.5	75	0.00	9.68
53	M	dibromomethane	0.201	0.252	-25.4#	88	0.00	9.66
54	M	bromodichloromethane	0.522	0.772	-47.9#	103	0.00	9.77
55	M	Methylcyclohexane	0.656	0.650	0.9	72	0.00	10.23
			True	Calc.	% Drift			
56	M	2-chloroethyl vinyl ether	50.000	74.089	-48.2#	97	0.00	10.23
			AvgRF	CCRF	% Dev			
57	M	methyl methacrylate	0.212	0.208	1.9	68	0.00	9.88
			True	Calc.	% Drift			
58	M	1,4-dioxane	250.000	191.576	23.4#	54	0.00	9.87
			AvgRF	CCRF	% Dev			
59	M	cis-1,3-dichloropropene	0.585	0.675	-15.4	79	0.00	10.39
60	S	toluene-d8 (s)	1.385	1.208	12.8	65	0.00	11.09
61	M	4-methyl-2-pentanone	0.355	0.333	6.2	64	0.00	10.50
62	c	toluene	0.899	0.987	-9.8	78	0.00	11.16
			True	Calc.	% Drift			
63	M	trans-1,3-dichloropropene	50.000	56.113	-12.2	86	0.00	10.81
			AvgRF	CCRF	% Dev			
64	M	1,1,2-trichloroethane	0.266	0.275	-3.4	71	0.00	10.98
			True	Calc.	% Drift			
65	M	ethyl methacrylate	50.000	50.763	-1.5	74	0.00	11.20
			AvgRF	CCRF	% Dev			
66	I	chlorobenzene-d5	1.000	1.000	0.0	75	0.00	12.55
67	M	tetrachloroethene	0.658	0.807	-22.6#	94	0.00	11.90
68	M	1,3-dichloropropane	0.915	0.993	-8.5	77	0.00	11.22
			True	Calc.	% Drift			
69	M	dibromochloromethane	50.000	64.087	-28.2#	98	0.00	11.49
			AvgRF	CCRF	% Dev			
70	M	1,2-dibromoethane	0.533	0.555	-4.1	74	0.00	11.75
71	M	2-hexanone	0.465	0.442	4.9	70	0.00	11.36
72	P	chlorobenzene	1.668	1.751	-5.0	78	0.00	12.57
73	M	1,1,1,2-tetrachloroethane	0.560	0.751	-34.1#	94	0.00	12.50
74	c	ethylbenzene	3.121	3.444	-10.3	81	0.00	12.75
75	M	m,p-xylene	1.151	1.185	-3.0	74	0.00	12.94
76	M	o-xylene	1.142	1.237	-8.3	77	0.00	13.35
77	M	styrene	1.705	1.669	2.1	68	0.00	13.28
			True	Calc.	% Drift			
78	P	bromoform	50.000	68.669	-37.3#	117	0.00	13.10
79	M	trans-1,4-dichloro-2-bute	50.000	60.896	-21.8#	107	0.00	13.51
			AvgRF	CCRF	% Dev			
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	95	0.00	15.10
81	M	isopropylbenzene	4.170	3.758	9.9	79	0.00	13.71
82	S	bromofluorobenzene (s)	1.256	0.981	21.9#	74	0.00	13.76

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSP2332-CC2318
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** P71195.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

83	M	bromobenzene	0.883	0.864	2.2	86	0.00	13.99
84	P	1,1,2,2-tetrachloroethane	0.863	0.754	12.6	75	0.00	13.35
85	M	1,2,3-trichloropropane	0.899	0.875	2.7	84	0.00	13.51
86	M	n-propylbenzene	4.705	4.552	3.3	84	0.00	14.16
87	M	2-chlorotoluene	3.005	2.841	5.5	84	0.00	14.27
88	M	4-chlorotoluene	3.010	2.939	2.4	86	0.00	14.35
89	M	1,3,5-trimethylbenzene	3.477	3.304	5.0	84	0.00	14.44
90	M	tert-butylbenzene	2.299	2.350	-2.2	92	0.00	14.74
91	M	1,2,4-trimethylbenzene	3.354	3.279	2.2	86	0.00	14.85
92	M	sec-butylbenzene	4.364	4.283	1.9	84	0.00	14.96
93	M	1,3-dichlorobenzene	1.656	1.714	-3.5	92	0.00	15.06
94	M	p-isopropyltoluene	3.096	3.225	-4.2	91	0.00	15.14
95	M	1,4-dichlorobenzene	1.595	1.686	-5.7	95	0.00	15.13
96	M	1,2-dichlorobenzene	1.554	1.624	-4.5	93	0.00	15.50
97	M	n-butylbenzene	3.166	3.511	-10.9	94	0.00	15.56
		----------	True	Calc.	% Drift	----------		
98	M	1,2-dibromo-3-chloropropa	50.000	54.405	-8.8	107	0.00	15.98
		----------	AvgRF	CCRF	% Dev	----------		
99		1,3,5-trichlorobenzene	1.160	1.369	-18.0	104	0.00	16.80
		----------	True	Calc.	% Drift	----------		
100	M	1,2,4-trichlorobenzene	50.000	53.726	-7.5	101	0.00	17.33
		----------	AvgRF	CCRF	% Dev	----------		
101	M	hexachlorobutadiene	0.841	1.092	-29.8#	124	0.00	17.61
		----------	True	Calc.	% Drift	----------		
102	M	naphthalene	50.000	42.522	15.0	86	0.00	17.59
103	M	1,2,3-trichlorobenzene	50.000	54.173	-8.3	106	0.00	17.79
		----------	AvgRF	CCRF	% Dev	----------		
104	M	2-Methylnaphthalene	0.571	0.482	15.6	81	0.00	18.89
105	M	1-Methylnaphthalene	0.518	0.443	14.5	85	0.00	19.12

(23.8 %) 24 of 101 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p70805.D P130805S.M Thu Aug 22 11:53:50 2013

New England ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71206.D
Acq On : 22 Aug 2013 1:40 pm
Operator : krystend
Sample : mc23630-2
Misc : ms29721,msp2332,4.850,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 22 14:50:22 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

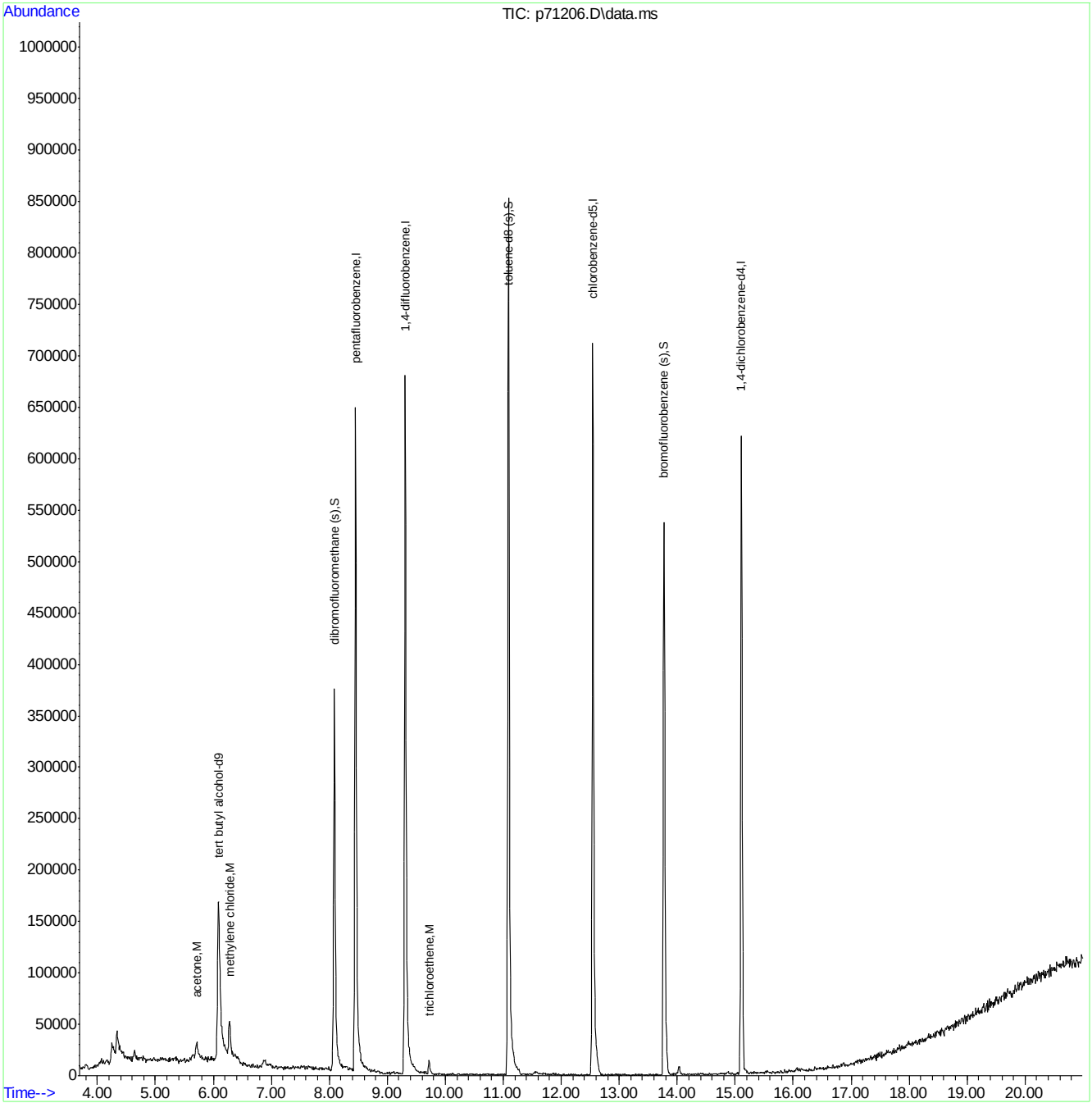
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.092	65	268630	500.00	ug/kg	0.01
4) pentafluorobenzene	8.456	168	395982	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.312	114	488361	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	262332	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	159666	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	219100	54.98	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 109.96%#			
60) toluene-d8 (s)	11.090	98	572391	42.31	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 84.62%#			
82) bromofluorobenzene (s)	13.771	95	187685	46.81	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 93.62%#			
Target Compounds						Qvalue
16) acetone	5.715	58	5241	5.49	ug/kg#	55
18) methylene chloride	6.280	84	13785m	5.81	ug/kg	
51) trichloroethene	9.723	95	5080	0.12	ug/kg	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

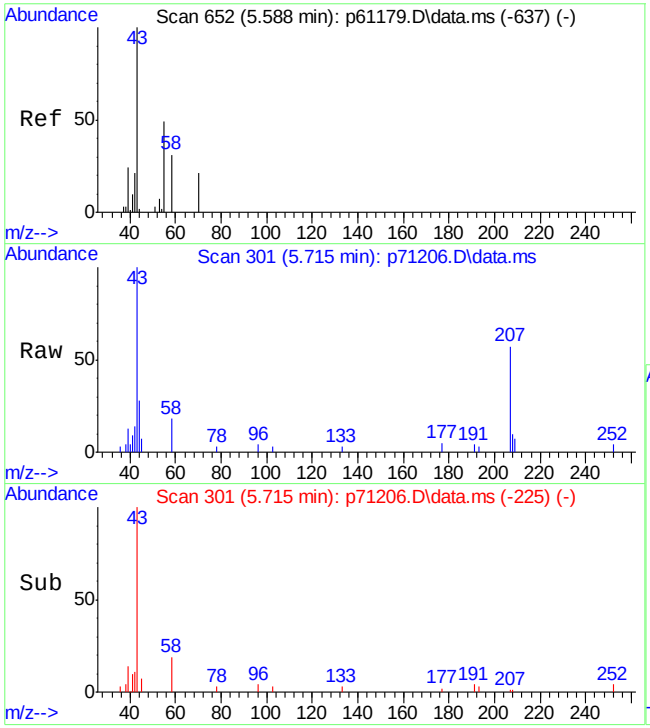
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71206.D
Acq On : 22 Aug 2013 1:40 pm
Operator : krystend
Sample : mc23630-2
Misc : ms29721,msp2332,4.850,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 22 14:50:22 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



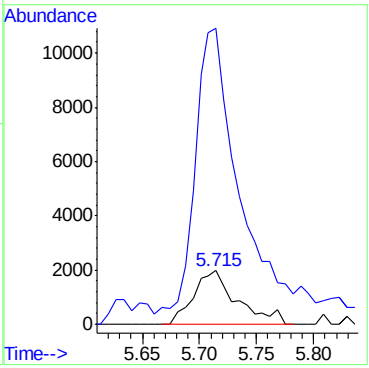
ACCUTEST LABORATORIES MC23630

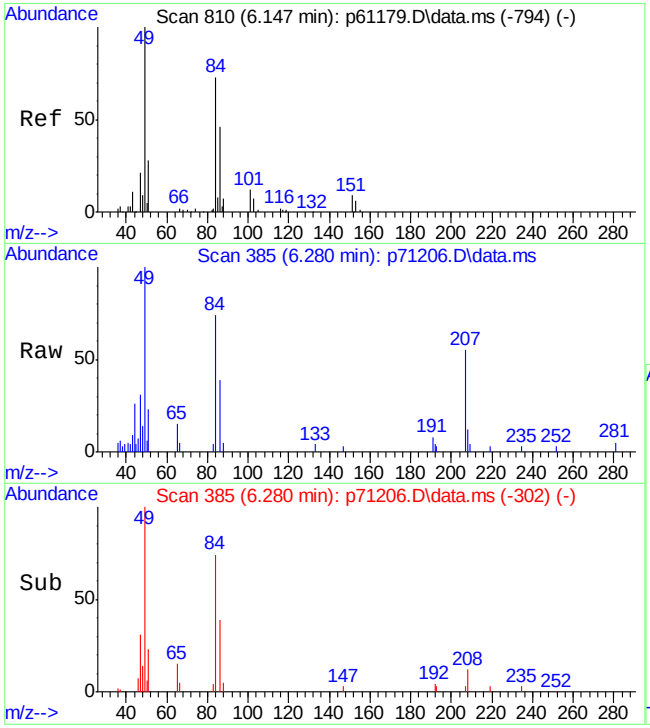


#16
acetone
Concen: 5.49 ug/kg
RT: 5.715 min Scan# 301
Delta R.T. 0.014 min
Lab File: p71206.D
Acq: 22 Aug 2013 1:40 pm

Tgt Ion: 58 Resp: 5241

Ion	Ratio	Lower	Upper
58	100		
43	521.4	383.1	443.1#

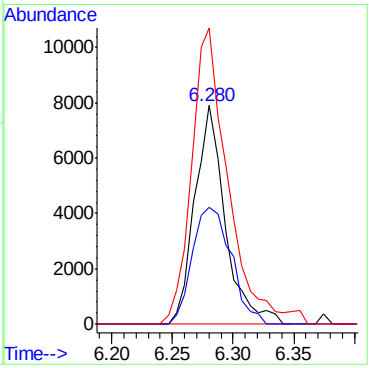


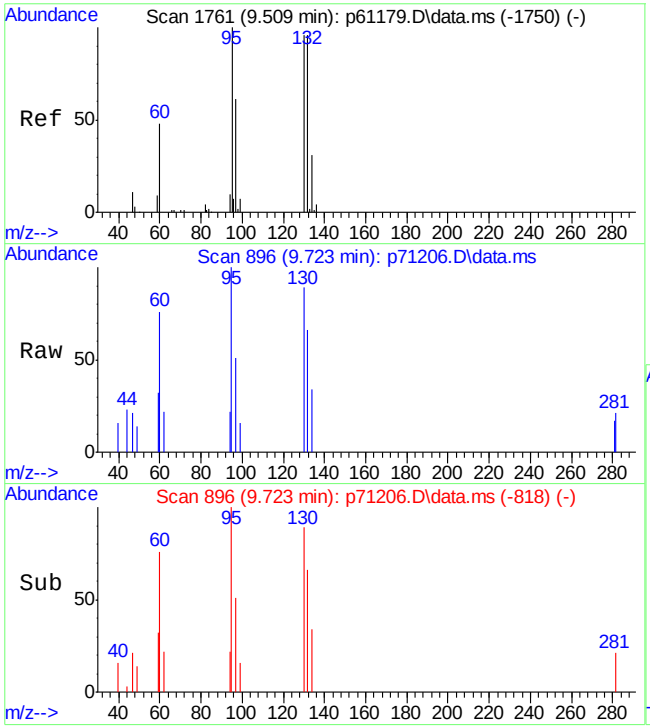


#18
methylene chloride
Concen: 5.81 ug/kg m
RT: 6.280 min Scan# 385
Delta R.T. 0.000 min
Lab File: p71206.D
Acq: 22 Aug 2013 1:40 pm

Tgt Ion: 84 Resp: 13785

Ion	Ratio	Lower	Upper
84	100		
86	53.4	37.0	97.0
49	135.6	123.7	183.7

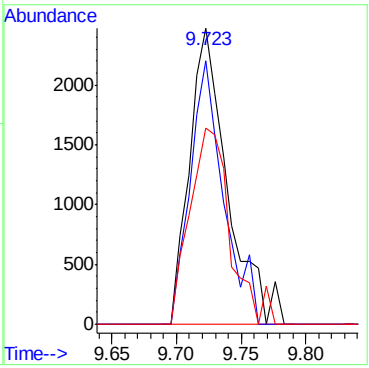




#51
trichloroethene
Concen: 0.12 ug/kg
RT: 9.723 min Scan# 896
Delta R.T. 0.007 min
Lab File: p71206.D
Acq: 22 Aug 2013 1:40 pm

Tgt Ion: 95 Resp: 5080

Ion	Ratio	Lower	Upper
95	100		
130	88.9	54.1	114.1
132	66.2	46.2	106.2



LSC Area Percent Report

Data Path : C:\msdchem\1\data\P130822\
Data File : p71206.D
Acq On : 22 Aug 2013 1:40 pm
Operator : krystend
Sample : mc23630-2
Misc : ms29721,msp2332,4.850,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\P130805S.M
Title : SW-846 Method 8260

Signal : TIC: p71206.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.643	136	142	146	rBV6	10985	25703	1.51%	0.265%
2	5.715	295	301	311	rVV2	16313	46727	2.74%	0.482%
3	6.085	350	356	368	rBV	151091	484186	28.38%	4.996%
4	6.280	381	385	391	rVB2	32824	68020	3.99%	0.702%
5	8.086	644	653	671	rBV	371515	820755	48.11%	8.468%
6	8.456	701	708	721	rBV	645496	1359604	79.70%	14.028%
7	9.312	828	835	853	rBV	679382	1451188	85.07%	14.973%
8	9.723	891	896	906	rVB2	13929	26669	1.56%	0.275%
9	11.090	1093	1099	1119	rBV	852715	1705863	100.00%	17.601%
10	12.545	1307	1315	1336	rBV	711643	1442491	84.56%	14.883%
11	13.771	1491	1497	1514	rBV	537458	1064407	62.40%	10.982%
12	14.027	1526	1535	1540	rBV6	8391	19453	1.14%	0.201%
13	15.105	1689	1695	1703	rBV	621387	1176922	68.99%	12.143%

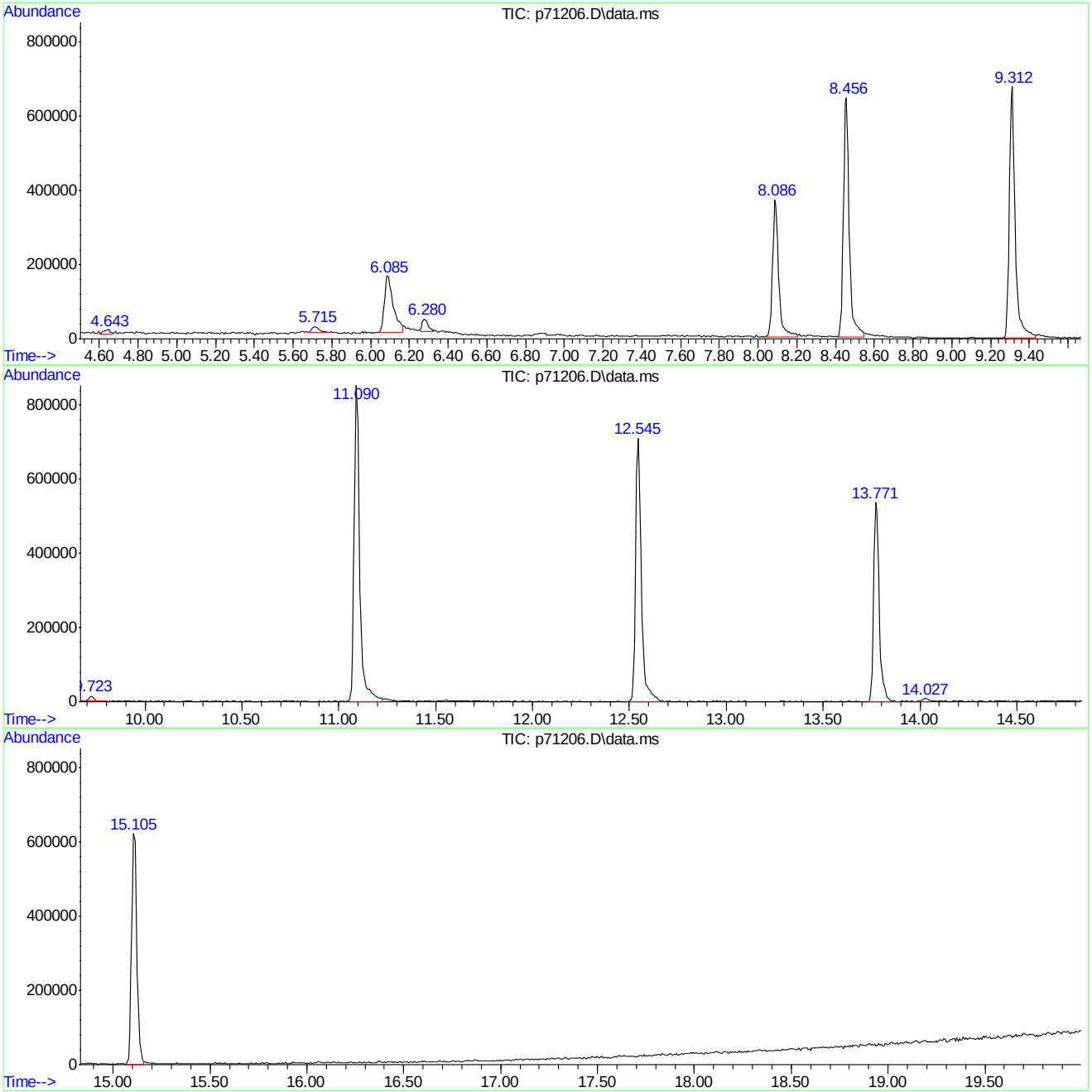
Sum of corrected areas: 9691988

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\P130822\
Data File : p71206.D
Acq On : 22 Aug 2013 1:40 pm
Operator : krystend
Sample : mc23630-2
Misc : ms29721,msp2332,4.850,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\P130822\
Data File : p71206.D
Acq On : 22 Aug 2013 1:40 pm
Operator : krystend
Sample : mc23630-2
Misc : ms29721,msp2332,4.850,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\P130822\
Data File : p71206.D
Acq On : 22 Aug 2013 1:40 pm
Operator : krystend
Sample : mc23630-2
Misc : ms29721,msp2332,4.850,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130702.D
Acq On : 21 Aug 2013 7:14 pm
Operator : jaimem
Sample : mc23630-3
Misc : MS29713,MSG5093,12.590,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 22 07:17:29 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

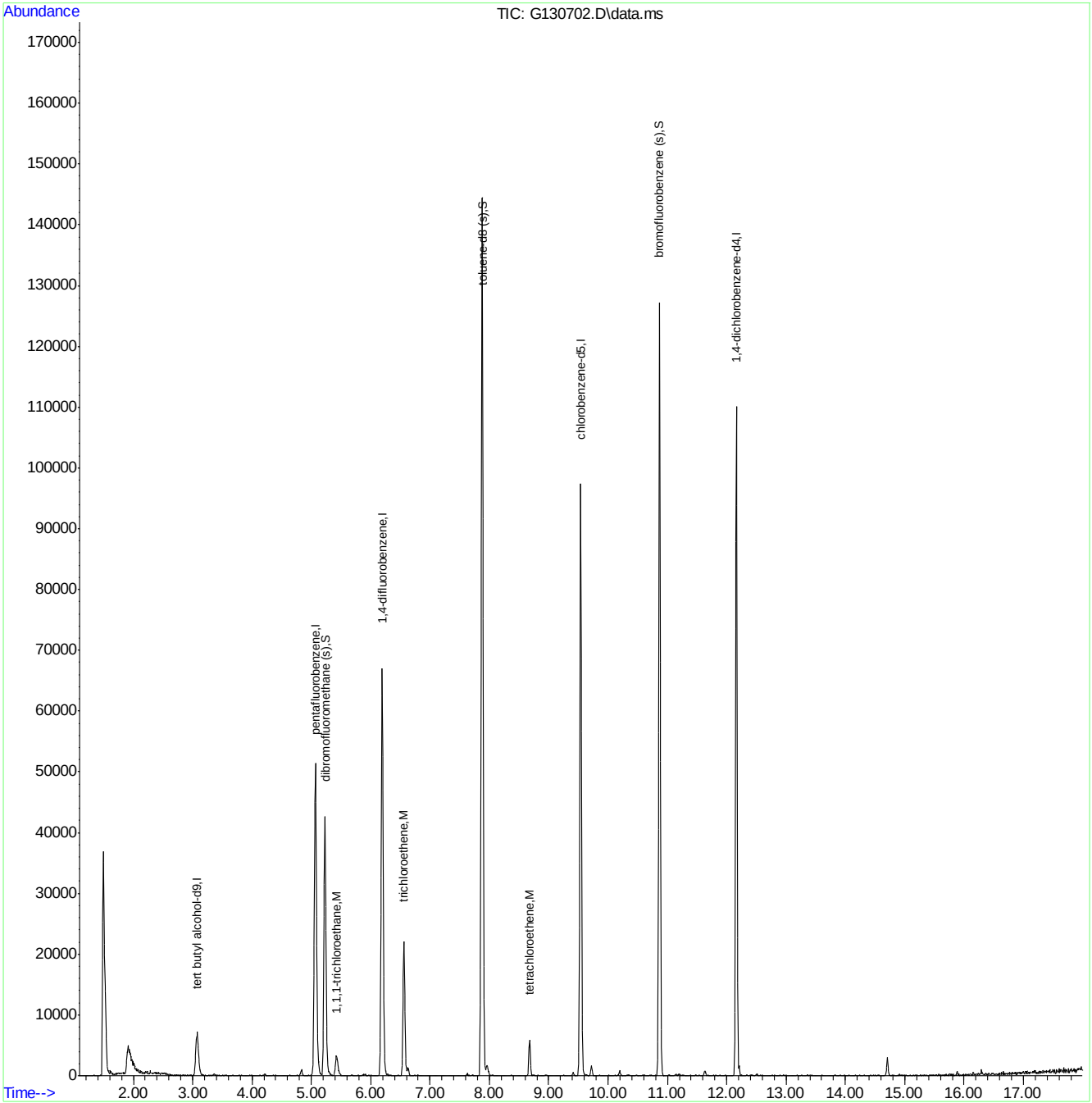
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.077	65	13677	500.00	ppb	-0.02
4) pentafluorobenzene	5.071	168	49394	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.195	114	72211	50.00	ppb	0.00
66) chlorobenzene-d5	9.538	82	35254	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.162	152	32942	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	5.231	113	34478	50.37	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.74%			
60) toluene-d8 (s)	7.878	98	124752	51.01	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.02%			
82) bromofluorobenzene (s)	10.867	95	48413	51.52	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.04%			
Target Compounds						Qvalue
42) 1,1,1-trichloroethane	5.430	97	4153	4.05	ppb	90
51) trichloroethene	6.561	95	9345	12.21	ppb	91
67) tetrachloroethene	8.678	166	2238	3.20	ppb	81

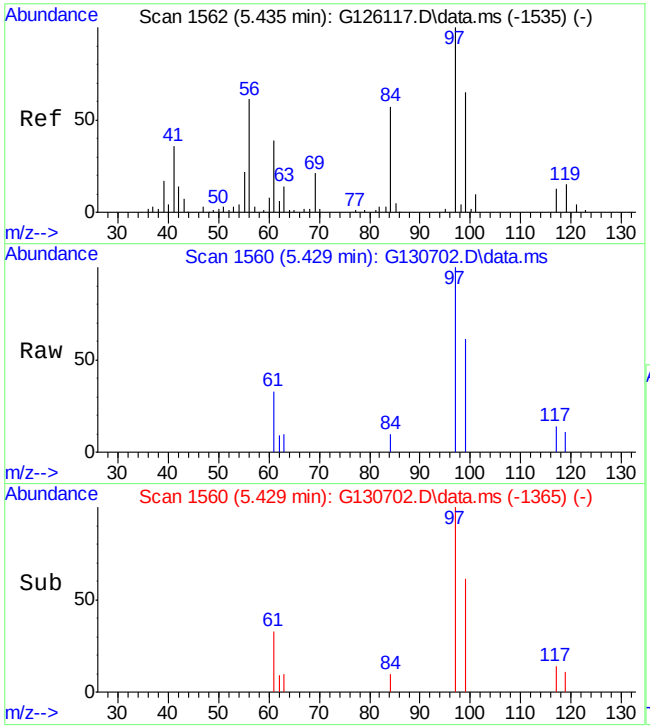
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130702.D
Acq On : 21 Aug 2013 7:14 pm
Operator : jaimem
Sample : mc23630-3
Misc : MS29713,MSG5093,12.590,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 22 07:17:29 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

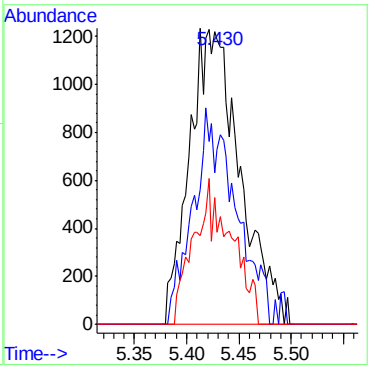


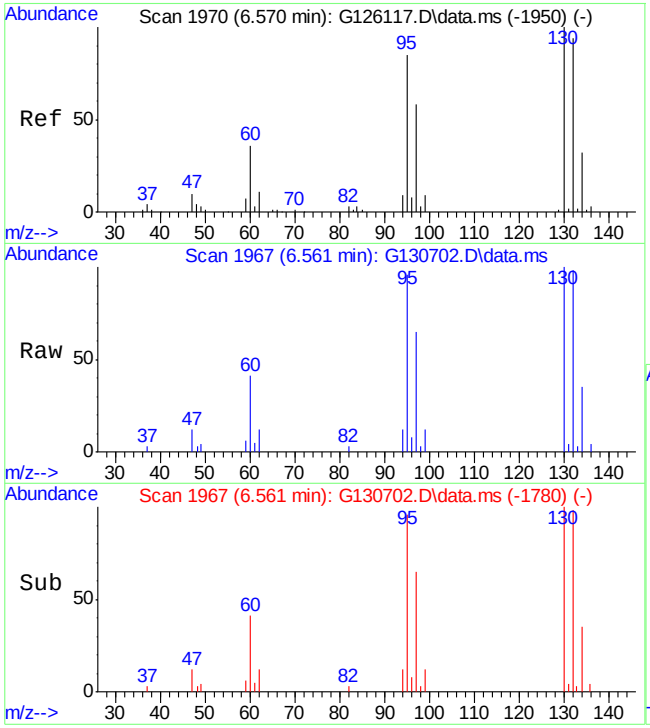


#42
1,1,1-trichloroethane
Concen: 4.05 ppb
RT: 5.430 min Scan# 1560
Delta R.T. -0.007 min
Lab File: G130702.D
Acq: 21 Aug 13 7:14 pm

Tgt Ion: 97 Resp: 4153

Ion	Ratio	Lower	Upper
97	100		
99	61.4	30.7	90.7
61	32.5	17.5	77.5

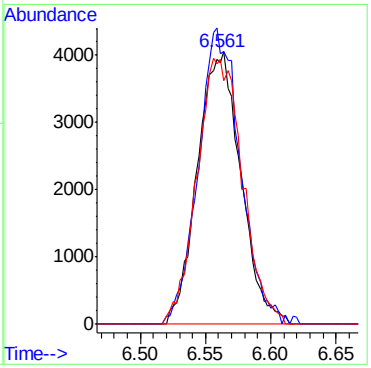


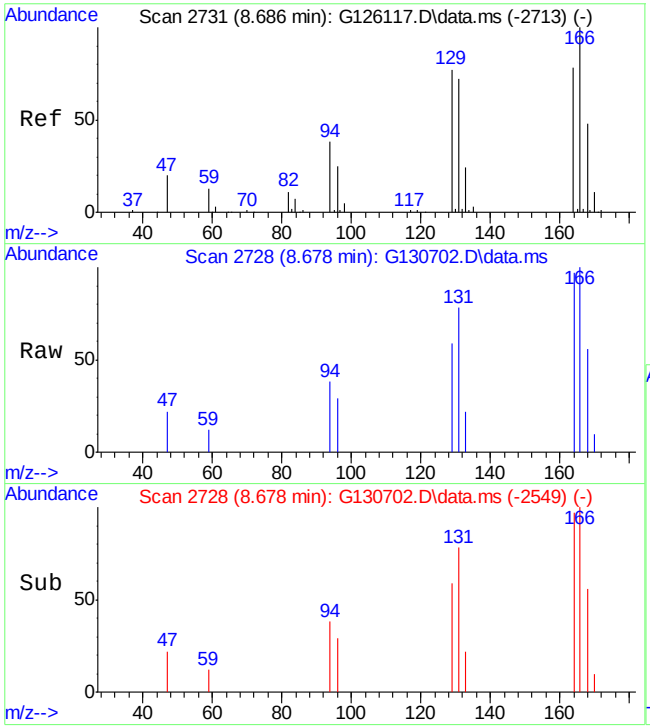


#51
trichloroethene
Concen: 12.21 ppb
RT: 6.561 min Scan# 1967
Delta R.T. -0.001 min
Lab File: G130702.D
Acq: 21 Aug 13 7:14 pm

Tgt Ion: 95 Resp: 9345

Ion	Ratio	Lower	Upper
95	100		
130	103.7	85.7	145.7
132	101.2	78.0	138.0

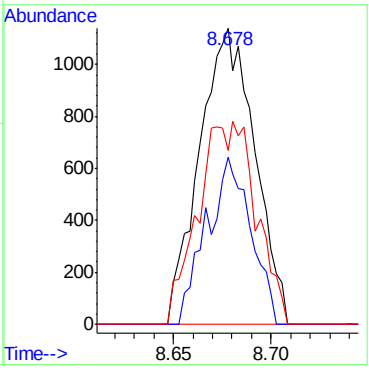




#67
tetrachloroethene
Concen: 3.20 ppb
RT: 8.678 min Scan# 2728
Delta R.T. -0.002 min
Lab File: G130702.D
Acq: 21 Aug 13 7:14 pm

Tgt Ion:166 Resp: 2238

Ion	Ratio	Lower	Upper
166	100		
168	56.5	15.8	75.8
129	58.9	47.3	107.3



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130702.D
Acq On : 21 Aug 2013 7:14 pm
Operator : jaimem
Sample : mc23630-3
Misc : MS29713,MSG5093,12.590,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\g130820s.m
Title : SW-846 Method 8260

Signal : TIC: G130702.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.068	1391	1430	1466	rBV	51474	133563	42.80%	9.824%
2	5.226	1466	1487	1536	rVB3	42614	106355	34.08%	7.823%
3	6.194	1811	1835	1886	rBB2	67067	155067	49.69%	11.406%
4	6.559	1946	1966	2011	rBB3	22144	52103	16.69%	3.832%
5	7.880	2416	2441	2491	rBB	144446	312092	100.00%	22.956%
6	9.537	3016	3037	3081	rBB2	97390	184490	59.11%	13.570%
7	10.866	3481	3515	3541	rBB	127271	225789	72.35%	16.608%
8	12.162	3961	3981	4021	rBB2	110127	190073	60.90%	13.981%

Sum of corrected areas: 1359532

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130687.D
Acq On : 21 Aug 2013 12:08 pm
Operator : jaimem
Sample : mb
Misc : MS29713,MSG5093,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 13:45:33 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

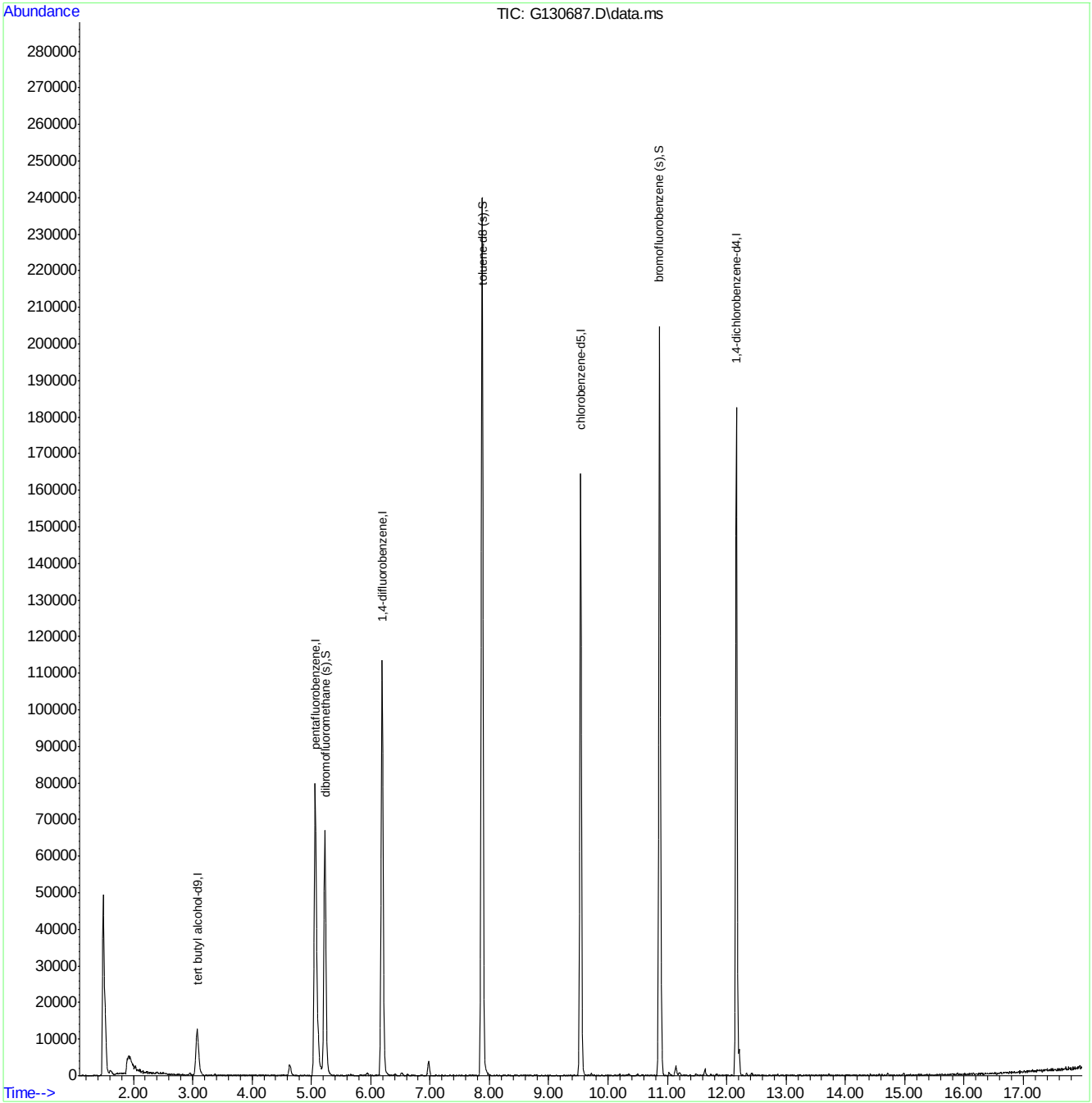
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.081	65	24161	500.00	ppb	-0.01
4) pentafluorobenzene	5.071	168	76804	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.195	114	122659	50.00	ppb	0.00
66) chlorobenzene-d5	9.538	82	59399	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.162	152	53948	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	5.231	113	54275	50.99	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.98%			
60) toluene-d8 (s)	7.878	98	208830	50.27	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.54%			
82) bromofluorobenzene (s)	10.868	95	79719	51.80	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.60%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130687.D
Acq On : 21 Aug 2013 12:08 pm
Operator : jaimem
Sample : mb
Misc : MS29713,MSG5093,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 13:45:33 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130687.D
Acq On : 21 Aug 2013 12:08 pm
Operator : jaimem
Sample : mb
Misc : MS29713,MSG5093,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\g130820s.m
Title : SW-846 Method 8260

Signal : TIC: G130687.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.065	1396	1429	1466	rBV2	79862	231073	44.02%	10.365%
2	5.229	1466	1488	1556	rVB2	67004	170965	32.57%	7.669%
3	6.191	1791	1834	1886	rBB	113683	268143	51.09%	12.028%
4	7.877	2401	2440	2501	rBB	239964	524887	100.00%	23.545%
5	9.537	3006	3037	3086	rBV2	164518	313099	59.65%	14.045%
6	10.866	3476	3515	3561	rBB2	204819	397292	75.69%	17.821%
7	12.162	3956	3981	4026	rBV2	182592	323839	61.70%	14.527%

Sum of corrected areas: 2229298

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71199.D
Acq On : 22 Aug 2013 10:24 am
Operator : krystend
Sample : mb
Misc : ms29721,msp2332,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 22 11:56:37 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

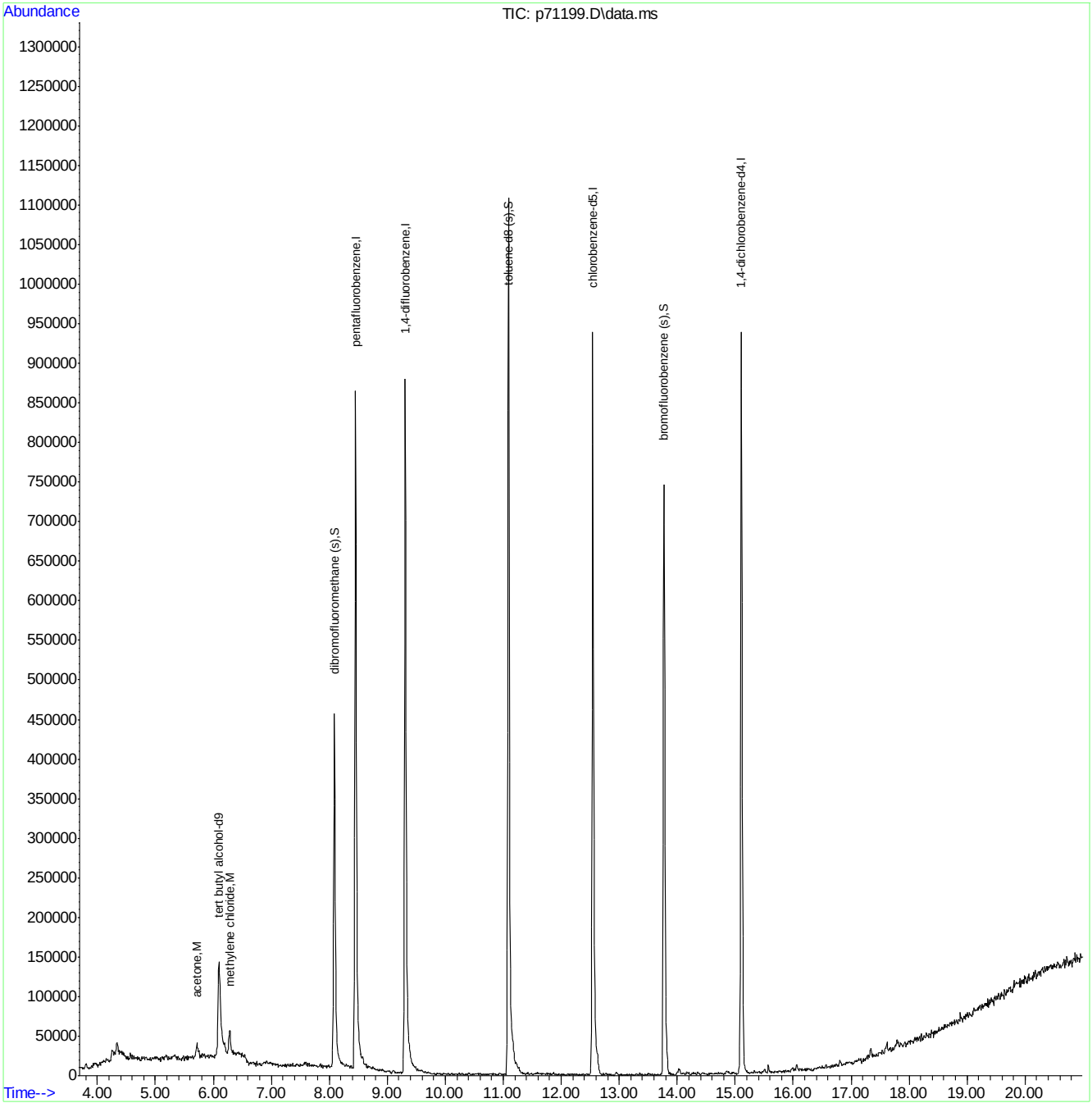
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.099	65	222184	500.00	ug/kg	0.02
4) pentafluorobenzene	8.456	168	559046	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.312	114	654133	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	354276	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	251178	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.092	113	279197	49.62	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 99.24%#			
60) toluene-d8 (s)	11.090	98	781284	43.11	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 86.22%#			
82) bromofluorobenzene (s)	13.771	95	261207	41.41	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 82.82%#			
Target Compounds						Qvalue
16) acetone	5.715	58	5548	2.03	ug/kg#	71
18) methylene chloride	6.280	84	11209	3.95	ug/kg	89

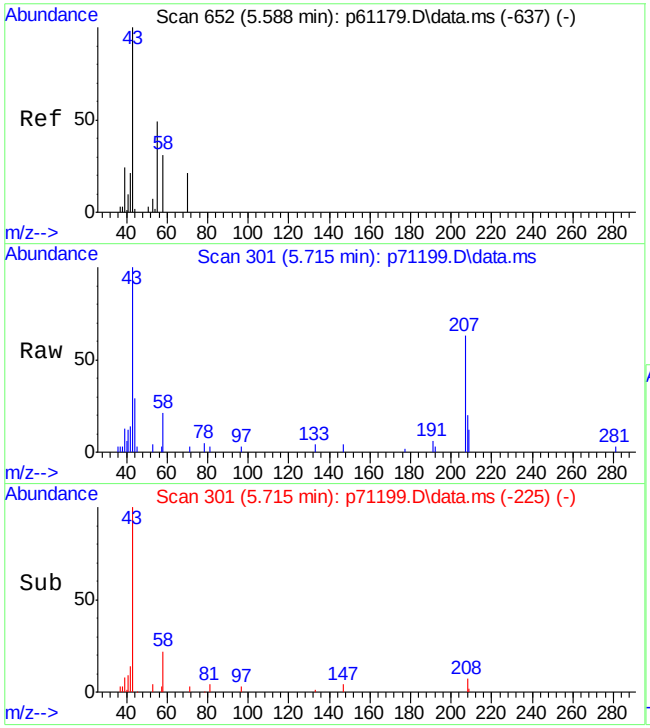
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71199.D
Acq On : 22 Aug 2013 10:24 am
Operator : krystend
Sample : mb
Misc : ms29721,msp2332,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 22 11:56:37 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

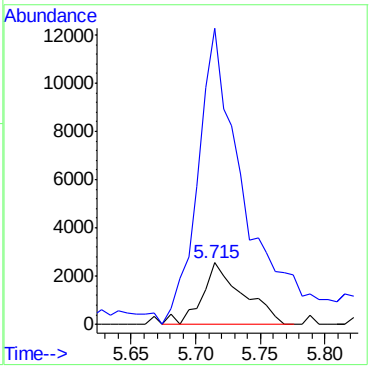


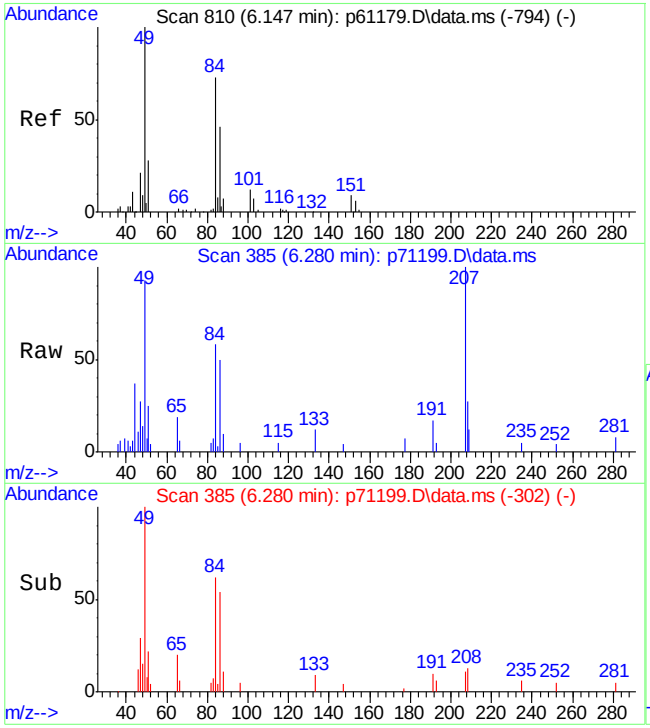


#16
acetone
Concen: 2.03 ug/kg
RT: 5.715 min Scan# 301
Delta R.T. 0.014 min
Lab File: p71199.D
Acq: 22 Aug 2013 10:24 am

Tgt Ion: 58 Resp: 5548

Ion	Ratio	Lower	Upper
58	100		
43	483.2	383.1	443.1#

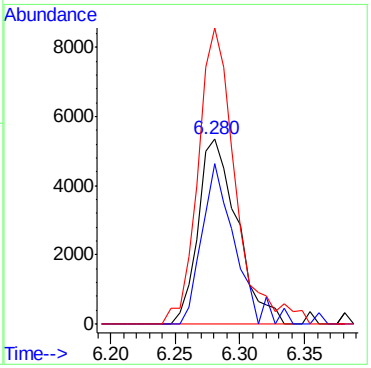




#18
methylene chloride
Concen: 3.95 ug/kg
RT: 6.280 min Scan# 385
Delta R.T. 0.000 min
Lab File: p71199.D
Acq: 22 Aug 2013 10:24 am

Tgt Ion: 84 Resp: 11209

Ion	Ratio	Lower	Upper
84	100		
86	86.9	37.0	97.0
49	160.3	123.7	183.7



LSC Area Percent Report

Data Path : C:\msdchem\1\data\P130822\
Data File : p71199.D
Acq On : 22 Aug 2013 10:24 am
Operator : krystend
Sample : mb
Misc : ms29721,msp2332,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\P130805S.M
Title : SW-846 Method 8260

Signal : TIC: p71199.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.715	297	301	305	rBV	16622	31081	1.36%	0.248%
2	6.099	350	358	371	rBV	117783	393990	17.30%	3.148%
3	6.280	381	385	392	rVB2	28203	56956	2.50%	0.455%
4	8.086	647	653	668	rBV	444656	967961	42.50%	7.734%
5	8.456	701	708	720	rBV	855524	1811600	79.54%	14.475%
6	9.312	828	835	854	rBV	877638	1872388	82.21%	14.961%
7	11.090	1093	1099	1124	rBV	1107384	2277583	100.00%	18.199%
8	12.545	1309	1315	1326	rBV	936397	1849830	81.22%	14.781%
9	13.771	1489	1497	1511	rBV	745335	1464742	64.31%	11.704%
10	15.105	1685	1695	1708	rBV	937110	1760127	77.28%	14.064%
11	17.618	2062	2068	2072	rBV8	14662	28958	1.27%	0.231%

Sum of corrected areas: 12515216

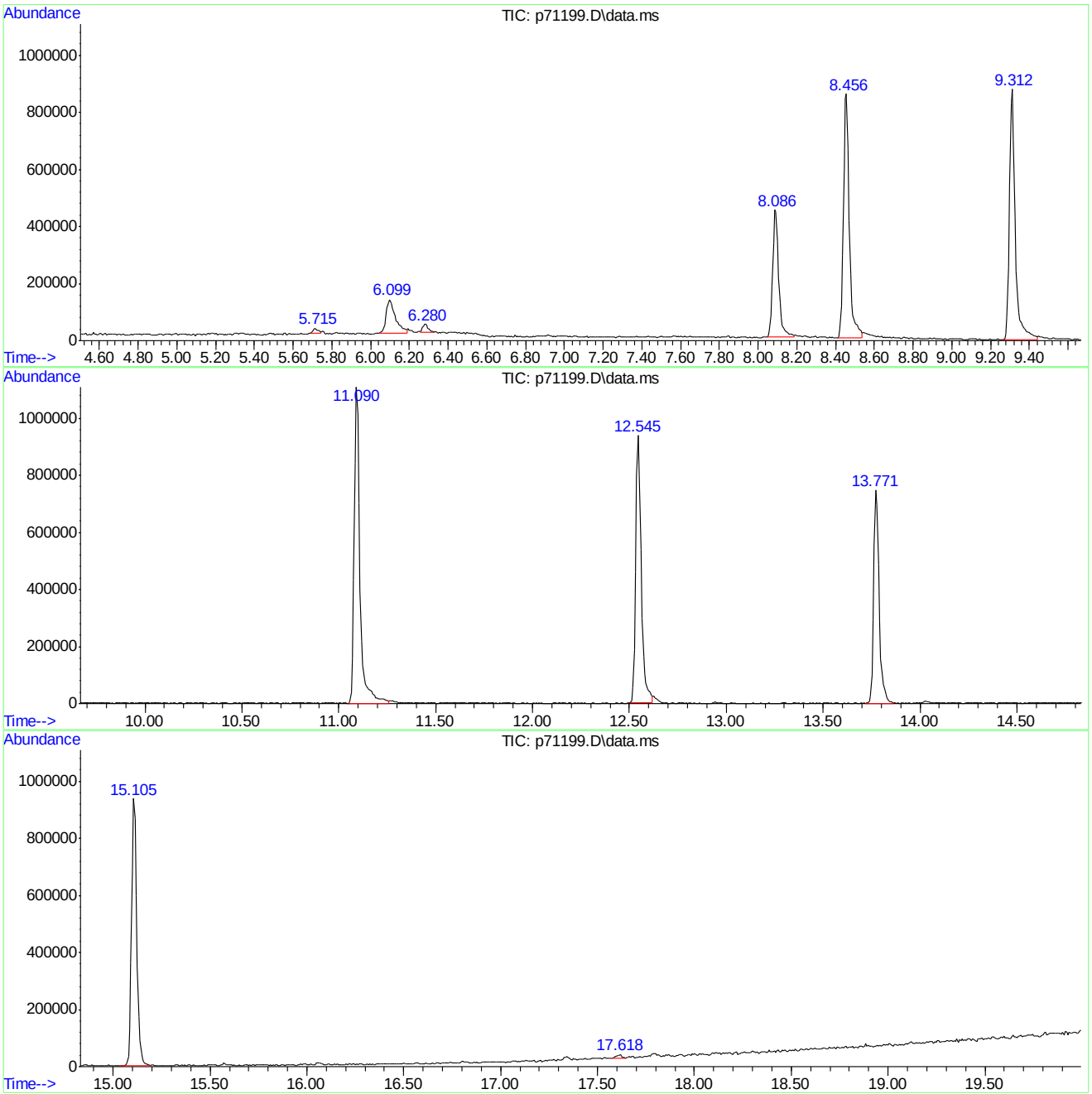
ACCUTEST LABORATORIES MC23630

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\P130822\
Data File : p71199.D
Acq On : 22 Aug 2013 10:24 am
Operator : krystend
Sample : mb
Misc : ms29721,msp2332,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p



ACCUTEST LABORATORIES MC23630

Library Search Compound Report

Data Path : C:\msdchem\1\data\P130822\
Data File : p71199.D
Acq On : 22 Aug 2013 10:24 am
Operator : krystend
Sample : mb
Misc : ms29721,msp2332,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\P130822\
Data File : p71199.D
Acq On : 22 Aug 2013 10:24 am
Operator : krystend
Sample : mb
Misc : ms29721,msp2332,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\database\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
08/22/13 09:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.076	65	17446	500.00	ppb		-0.02
4) pentafluorobenzene	5.071	168	62035m	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	94164	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	62479	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	58750	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	40152	46.70	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.40%				
60) toluene-d8 (s)	7.878	98	166121	52.09	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.18%				
82) bromofluorobenzene (s)	10.867	95	81104	48.39	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.78%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.147	59	26430	533.99	ppb		98
3) Ethanol	2.425	45	22413	6364.52	ppb		99
5) dichlorodifluoromethane	1.650	85	76014m	78.75	ppb		
6) chloromethane	1.835	50	40802	76.81	ppb		97
7) vinyl chloride	1.922	62	15254m	59.69	ppb		
8) bromomethane	2.283	96	31697	68.20	ppb		99
9) chloroethane	2.342	64	23368	71.10	ppb		82
10) ethyl ether	2.782	59	24899	42.24	ppb		77
11) acetonitrile	3.412	41	45451	40.09	ppb		82
12) trichlorofluoromethane	2.608	101	71007	52.31	ppb		88
13) freon-113	2.934	101	46934	49.73	ppb		98
14) acrolein	2.903	56	15090	267.20	ppb		99
15) 1,1-dichloroethene	3.092	96	39097	47.24	ppb		97
16) acetone	2.960	58	5453	44.74	ppb		91
17) Methyl Acetate	3.371	43	22763	27.91	ppb	#	70
18) methylene chloride	3.531	84	38109	41.01	ppb	#	71
19) methyl tert butyl ether	3.662	73	101543	44.16	ppb		87
20) acrylonitrile	3.634	53	10262	38.12	ppb		96
21) allyl chloride	3.412	41	45451	39.97	ppb		66
22) trans-1,2-dichloroethene	3.799	96	38792	43.97	ppb		88
23) iodomethane	3.386	142	72763	47.64	ppb		90
24) carbon disulfide	3.587	76	116259	44.39	ppb		100
25) propionitrile	4.716	54	3616	38.74	ppb		100
26) vinyl acetate	4.208	43	45151	30.27	ppb		91
27) chloroprene	4.309	53	58485	48.96	ppb		81
28) di-isopropyl ether	4.092	45	94669	37.84	ppb		86
29) methacrylonitrile	4.927	41	19936	40.01	ppb		65
30) 2-butanone	4.637	72	6125	59.81	ppb	#	43
31) Ethyl Acetate	4.807	43	21236	212.65	ug/L	#	100
32) Hexane	3.849	41	37022	46.63	ppb	#	99
33) 1,1-dichloroethane	4.217	63	64804	45.79	ppb		96
34) tert-butyl ethyl ether	4.504	59	105498	43.94	ppb		90
35) isobutyl alcohol	4.950	43	5633	207.66	ppb		88
36) 2,2-dichloropropane	4.794	77	47710	54.39	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.834	96	41477	43.72	ppb	#	79
38)	bromochloromethane	5.176	128	21037	49.89	ppb	#	67
39)	chloroform	5.000	83	72710	47.56	ppb		98
41)	Tetrahydrofuran	5.216	42	6772	39.65	ppb		57
42)	1,1,1-trichloroethane	5.434	97	67924	52.77	ppb		89
44)	Cyclohexane	5.449	56	58926	43.07	ppb	#	71
45)	carbon tetrachloride	5.710	117	65807	55.50	ppb		99
46)	1,1-dichloropropene	5.595	75	57613	47.72	ppb		97
47)	benzene	5.894	78	150212	42.65	ppb		97
48)	1,2-dichloroethane	5.875	62	56174	46.83	ppb		99
49)	tert-amyl methyl ether	5.718	73	101153	46.69	ppb		85
50)	heptane	5.741	43	72573	44.06	ppb		73
51)	trichloroethene	6.562	95	44757	44.84	ppb		91
52)	1,2-dichloropropane	6.759	63	35418	42.15	ppb		95
53)	dibromomethane	7.076	93	24859	51.74	ppb		98
54)	bromodichloromethane	7.017	83	53234	49.64	ppb		97
55)	Methylcyclohexane	6.629	83	69997	50.35	ppb	#	78
56)	2-chloroethyl vinyl ether	7.348	63	4054	40.78	ppb		93
57)	methyl methacrylate	6.816	69	21200	45.97	ppb	#	62
58)	1,4-dioxane	7.048	88	1431	208.14	ppb	#	64
59)	cis-1,3-dichloropropene	7.610	75	67173	48.84	ppb		97
61)	4-methyl-2-pentanone	7.378	43	29682	46.20	ppb		76
62)	toluene	7.965	92	113801	54.17	ppb		98
63)	trans-1,3-dichloropropene	8.162	75	76134	64.70	ppb		93
64)	1,1,2-trichloroethane	8.335	83	38575	62.15	ppb		96
65)	ethyl methacrylate	8.149	69	55243	64.84	ppb	#	72
67)	tetrachloroethene	8.679	166	64882	52.41	ppb		99
68)	1,3-dichloropropane	8.612	76	78538	48.47	ppb		97
69)	dibromochloromethane	8.905	129	53320	50.63	ppb		95
70)	1,2-dibromoethane	9.124	107	49769	49.07	ppb		92
71)	2-hexanone	8.342	43	42728	68.24	ppb		92
72)	chlorobenzene	9.580	112	163143	46.61	ppb		95
73)	1,1,1,2-tetrachloroethane	9.627	131	57224	49.99	ppb		98
74)	ethylbenzene	9.635	91	281279	49.89	ppb		96
75)	m,p-xylene	9.719	106	215401	99.09	ppb		89
76)	o-xylene	10.198	106	103079	48.84	ppb		87
77)	styrene	10.237	104	168881	50.04	ppb		91
78)	bromoform	10.611	173	30212	53.00	ppb		100
79)	trans-1,4-dichloro-2-b...	10.644	53	15797	48.04	ppb		84
81)	isopropylbenzene	10.590	105	276495	49.94	ppb		96
83)	bromobenzene	11.080	156	68904	49.54	ppb		88
84)	1,1,2,2-tetrachloroethane	10.781	83	55043	48.28	ppb		96
85)	1,2,3-trichloropropane	10.942	75	44865	48.56	ppb		97
86)	n-propylbenzene	11.029	91	321846	49.45	ppb		93
87)	2-chlorotoluene	11.223	91	219221	47.47	ppb		92
88)	4-chlorotoluene	11.277	91	200663	48.59	ppb		88
89)	1,3,5-trimethylbenzene	11.202	105	231096	49.56	ppb		95
90)	tert-butylbenzene	11.597	91	154097	48.52	ppb		84
91)	1,2,4-trimethylbenzene	11.633	105	231434	49.21	ppb		96
92)	sec-butylbenzene	11.825	105	275394	48.88	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.080	146	127731	46.39	ppb		94
94) p-isopropyltoluene	11.974	119	234659	53.60	ppb		95
95) 1,4-dichlorobenzene	12.197	146	129862	47.81	ppb		97
96) 1,2-dichlorobenzene	12.602	146	119176	46.20	ppb		97
97) n-butylbenzene	12.422	91	211342	50.95	ppb		93
98) 1,2-dibromo-3-chloropr...	13.460	75	7924	46.02	ppb	#	75
99) 1,3,5-trichlorobenzene	13.718	180	76477	45.27	ug/L		99
100) 1,2,4-trichlorobenzene	14.420	180	68192	47.24	ppb		97
101) hexachlorobutadiene	14.573	225	40193	51.52	ppb		98
102) naphthalene	14.707	128	136385	47.04	ppb		100
103) 2-Methylnaphthalene	15.887	142	12208	26.20	ug/L		96
104) 1-Methylnaphthalene	16.155	142	9396	23.72	ug/L		96
105) 1,2,3-trichlorobenzene	14.977	180	53178	49.83	ppb		95

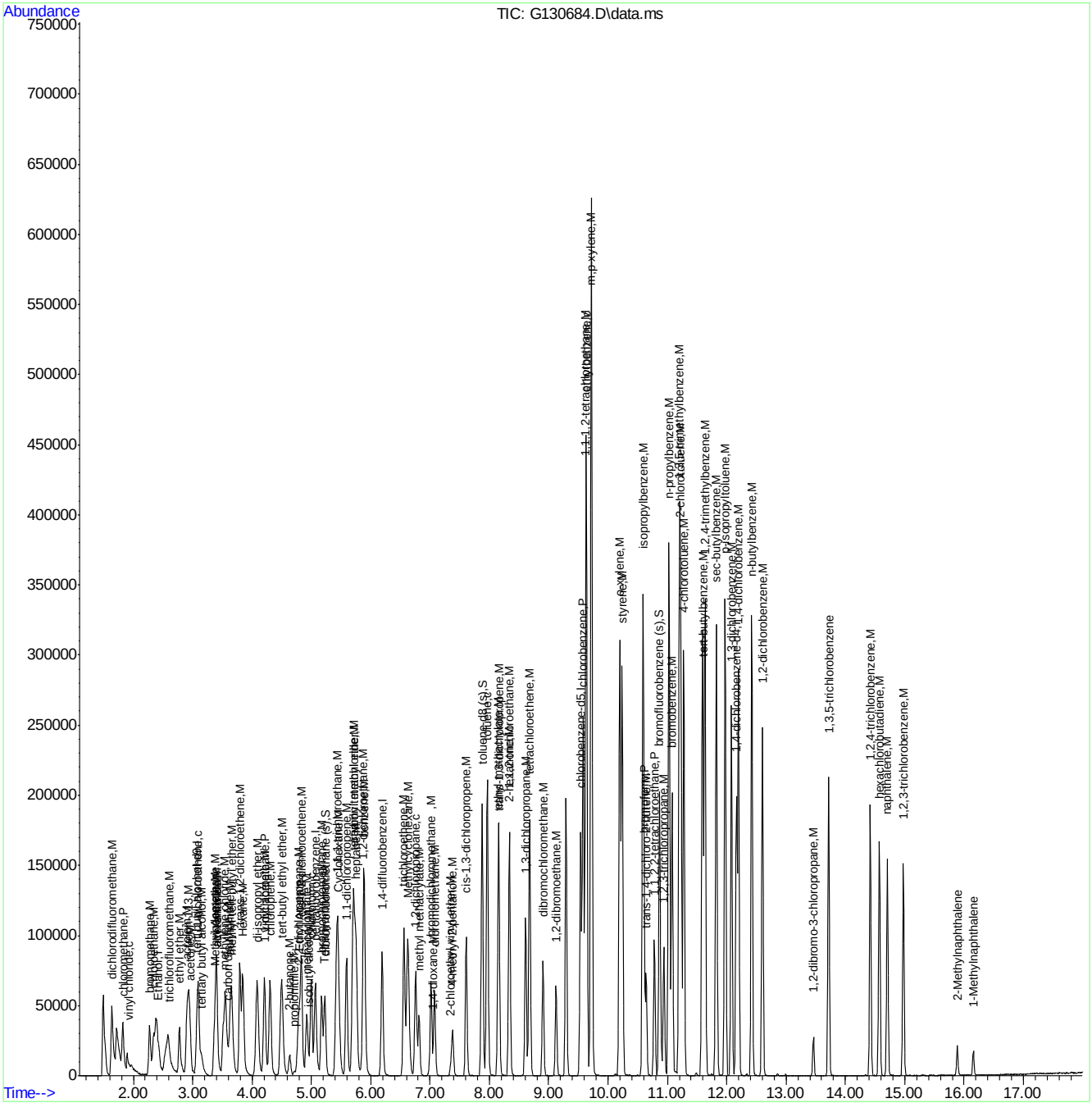
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.3.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 09:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130685.D
Acq On : 21 Aug 2013 11:11 am
Operator : jaimem
Sample : bsd
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 11:59:44 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.078	65	26323	500.00	ppb		-0.02
4) pentafluorobenzene	5.071	168	79304	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	125240	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	61988	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	58125	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	53652	48.82	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.64%				
60) toluene-d8 (s)	7.878	98	203360	47.94	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.88%				
82) bromofluorobenzene (s)	10.867	95	80520	48.56	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.12%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.148	59	40080	536.69	ppb		99
3) Ethanol	2.439	45	24575	4625.08	ppb		96
5) dichlorodifluoromethane	1.648	85	68913m	55.85	ppb		
6) chloromethane	1.828	50	35819	52.75	ppb		98
7) vinyl chloride	1.925	62	14827	44.16	ppb		100
8) bromomethane	2.282	96	31690	53.34	ppb		99
9) chloroethane	2.342	64	23136	55.06	ppb		88
10) ethyl ether	2.784	59	39199	52.02	ppb		73
11) acetonitrile	3.417	41	72933	50.33	ppb		90
12) trichlorofluoromethane	2.611	101	88511	51.01	ppb		97
13) freon-113	2.934	101	65666	54.42	ppb		93
14) acrolein	2.904	56	24578	340.43	ppb		99
15) 1,1-dichloroethene	3.094	96	57230	54.10	ppb		89
16) acetone	2.962	58	8524	57.93	ppb		96
17) Methyl Acetate	3.374	43	39289	37.69	ppb	#	79
18) methylene chloride	3.535	84	56531	47.59	ppb	#	79
19) methyl tert butyl ether	3.663	73	143527	48.83	ppb		93
20) acrylonitrile	3.635	53	16724	48.60	ppb		92
21) allyl chloride	3.417	41	72933	50.18	ppb		81
22) trans-1,2-dichloroethene	3.800	96	55358	49.08	ppb		88
23) iodomethane	3.388	142	97696	50.03	ppb		87
24) carbon disulfide	3.593	76	175508	52.42	ppb		98
25) propionitrile	4.717	54	6056	50.75	ppb		100
26) vinyl acetate	4.209	43	71300	37.39	ppb		94
27) chloroprene	4.312	53	82785	54.21	ppb		74
28) di-isopropyl ether	4.093	45	150804	47.15	ppb		88
29) methacrylonitrile	4.927	41	31228	49.03	ppb		65
30) 2-butanone	4.637	72	8656	66.12	ppb	#	47
31) Ethyl Acetate	4.807	43	33382	261.49	ug/L	#	99
32) Hexane	3.850	41	54307	53.51	ppb	#	90
33) 1,1-dichloroethane	4.217	63	94942	52.48	ppb		96
34) tert-butyl ethyl ether	4.505	59	152491	49.69	ppb		89
35) isobutyl alcohol	4.948	43	9112	262.76	ppb		98
36) 2,2-dichloropropane	4.794	77	60678	54.11	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130685.D
Acq On : 21 Aug 2013 11:11 am
Operator : jaimem
Sample : bsd
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 11:59:44 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.835	96	57728	47.60	ppb		88
38) bromochloromethane	5.176	128	28698	53.24	ppb	#	79
39) chloroform	5.000	83	98273	50.29	ppb		100
41) Tetrahydrofuran	5.216	42	10791	49.42	ppb		80
42) 1,1,1-trichloroethane	5.433	97	85579	52.00	ppb		93
44) Cyclohexane	5.450	56	88506	48.63	ppb	#	75
45) carbon tetrachloride	5.710	117	82124	52.07	ppb		97
46) 1,1-dichloropropene	5.595	75	79512	49.52	ppb		97
47) benzene	5.894	78	214285	45.74	ppb		96
48) 1,2-dichloroethane	5.875	62	73021	45.77	ppb		96
49) tert-amyl methyl ether	5.723	73	144694	50.22	ppb		88
50) heptane	5.742	43	108440	49.50	ppb		84
51) trichloroethene	6.562	95	59513	44.82	ppb		89
52) 1,2-dichloropropane	6.759	63	51630	46.20	ppb		98
53) dibromomethane	7.076	93	34072	53.32	ppb		91
54) bromodichloromethane	7.018	83	69393	48.65	ppb		95
55) Methylcyclohexane	6.630	83	95814	51.81	ppb	#	81
56) 2-chloroethyl vinyl ether	7.348	63	5870	42.86	ppb		92
57) methyl methacrylate	6.816	69	30394	49.56	ppb	#	68
58) 1,4-dioxane	7.053	88	2445	267.38	ppb		71
59) cis-1,3-dichloropropene	7.610	75	86958	47.53	ppb		95
61) 4-methyl-2-pentanone	7.378	43	41211	48.23	ppb		77
62) toluene	7.965	92	139032	49.76	ppb		98
63) trans-1,3-dichloropropene	8.162	75	79765	50.97	ppb		93
64) 1,1,2-trichloroethane	8.335	83	39037	47.28	ppb		91
65) ethyl methacrylate	8.148	69	58710	51.81	ppb	#	72
67) tetrachloroethene	8.678	166	63934	52.05	ppb		97
68) 1,3-dichloropropane	8.611	76	78005	48.52	ppb		99
69) dibromochloromethane	8.904	129	53581	51.28	ppb		97
70) 1,2-dibromoethane	9.124	107	49861	49.55	ppb		99
71) 2-hexanone	8.342	43	38406	61.82	ppb		91
72) chlorobenzene	9.580	112	160386	46.19	ppb		95
73) 1,1,1,2-tetrachloroethane	9.626	131	56096	49.40	ppb		98
74) ethylbenzene	9.635	91	274066	49.00	ppb		97
75) m,p-xylene	9.719	106	211488	98.06	ppb		91
76) o-xylene	10.198	106	100939	48.21	ppb		85
77) styrene	10.237	104	167118	49.91	ppb		88
78) bromoform	10.611	173	30269	53.52	ppb		96
79) trans-1,4-dichloro-2-b...	10.643	53	15667	48.02	ppb		83
81) isopropylbenzene	10.589	105	272722	49.79	ppb		96
83) bromobenzene	11.080	156	68757	49.96	ppb		86
84) 1,1,2,2-tetrachloroethane	10.781	83	55348	49.07	ppb		96
85) 1,2,3-trichloropropane	10.941	75	45415	49.68	ppb		95
86) n-propylbenzene	11.029	91	313192	48.63	ppb		96
87) 2-chlorotoluene	11.223	91	216096	47.29	ppb		90
88) 4-chlorotoluene	11.277	91	196545	48.10	ppb		89
89) 1,3,5-trimethylbenzene	11.202	105	227220	49.26	ppb		96
90) tert-butylbenzene	11.597	91	151211	48.12	ppb		86
91) 1,2,4-trimethylbenzene	11.633	105	228471	49.10	ppb		96
92) sec-butylbenzene	11.824	105	271810	48.77	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130685.D
Acq On : 21 Aug 2013 11:11 am
Operator : jaimem
Sample : bsd
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 11:59:44 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

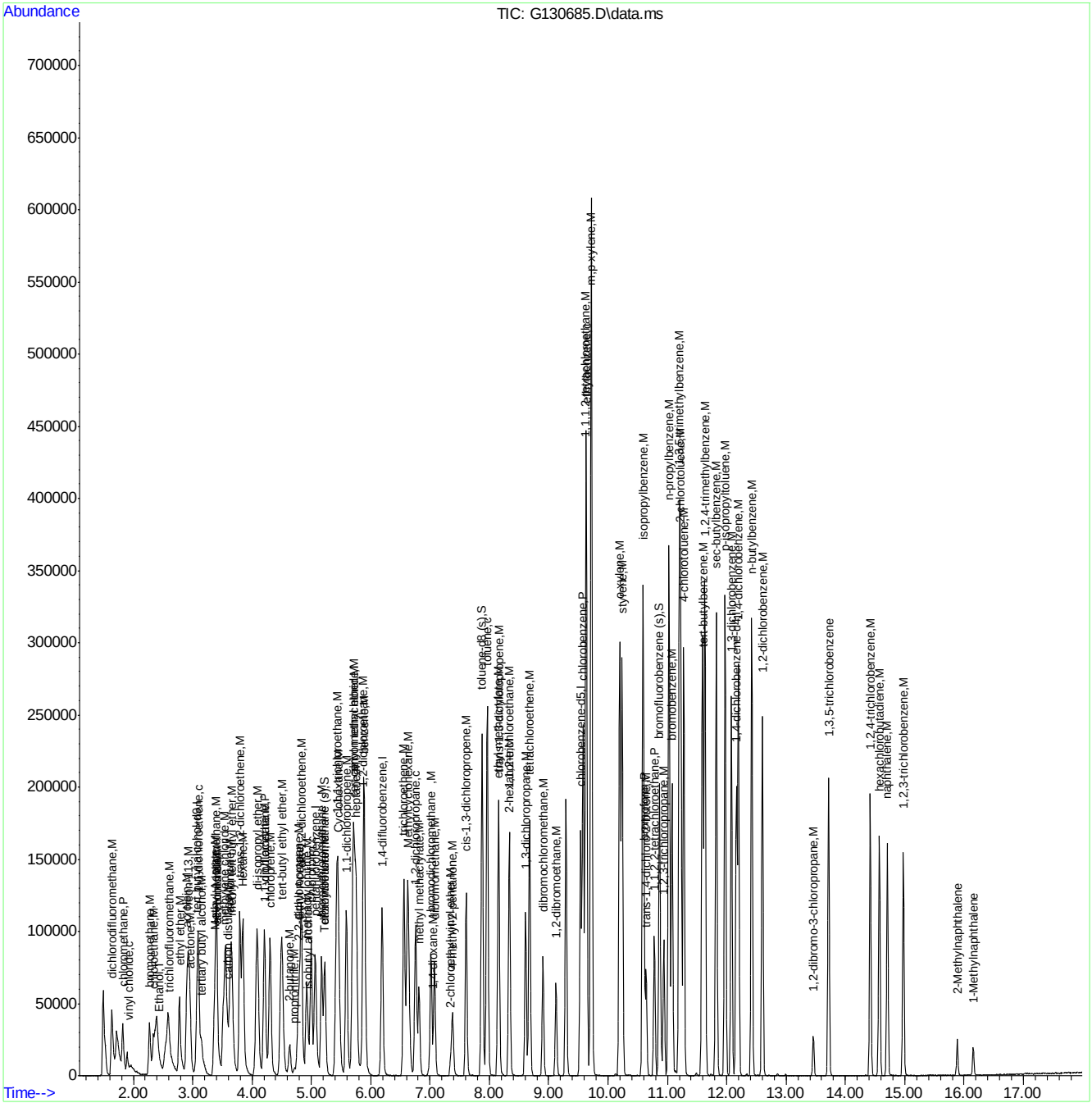
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	125554	46.09	ppb		96
94)	p-isopropyltoluene	11.974	119	231173	53.37	ppb		95
95)	1,4-dichlorobenzene	12.197	146	128390	47.78	ppb		97
96)	1,2-dichlorobenzene	12.602	146	118925	46.60	ppb		97
97)	n-butylbenzene	12.422	91	207131	50.47	ppb		94
98)	1,2-dibromo-3-chloropr...	13.460	75	8337	48.94	ppb	#	78
99)	1,3,5-trichlorobenzene	13.717	180	76186	45.58	ug/L		100
100)	1,2,4-trichlorobenzene	14.420	180	67825	47.49	ppb		100
101)	hexachlorobutadiene	14.573	225	39386	51.03	ppb		100
102)	naphthalene	14.708	128	140660	48.89	ppb		100
103)	2-Methylnaphthalene	15.887	142	13044	27.35	ug/L		96
104)	1-Methylnaphthalene	16.156	142	10550	25.81	ug/L		96
105)	1,2,3-trichlorobenzene	14.977	180	54566	51.68	ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130685.D
Acq On : 21 Aug 2013 11:11 am
Operator : jaimem
Sample : bsd
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 11:59:44 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 15:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71196.D
Acq On : 22 Aug 2013 9:00 am
Operator : krystend
Sample : bs
Misc : ms29711,msp2332,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 22 09:52:48 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	264070	500.00	ug/kg	0.00
4) pentafluorobenzene	8.450	168	657986	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	813677	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.539	82	494879	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	451755	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	332883	50.27	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 100.54%#			
60) toluene-d8 (s)	11.090	98	981422	43.54	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 87.08%#			
82) bromofluorobenzene (s)	13.771	95	445548	39.27	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 78.54%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	353337	599.42	ug/kg	96
3) Ethanol	4.994	45	352296	4530.62	ug/kg	95
5) dichlorodifluoromethane	4.152	85	393981	73.01	ug/kg	100
6) chloromethane	4.105	50	407966	72.34	ug/kg	99
7) vinyl chloride	4.334	62	429588	57.30	ug/kg	98
8) bromomethane	4.798	96	183255	68.18	ug/kg	97
9) chloroethane	4.953	64	189421	62.27	ug/kg	95
10) ethyl ether	5.809	59	211179	55.62	ug/kg	96
11) acetonitrile	5.472	41	191686	72.60	ug/kg	97
12) trichlorofluoromethane	5.566	101	870867	73.64	ug/kg	98
13) freon-113	6.314	101	352352	64.05	ug/kg	86
14) acrolein	5.573	56	121376	348.22	ug/kg	98
15) 1,1-dichloroethene	6.126	96	277603m	65.17	ug/kg	
16) acetone	5.708	58	42214	58.69	ug/kg	90
17) Methyl Acetate	6.321	43	263803	41.98	ug/kg#	95
18) methylene chloride	6.280	84	315330	61.88	ug/kg	93
19) methyl tert butyl ether	7.048	73	599129	56.14	ug/kg	94
20) acrylonitrile	6.193	53	78516	46.42	ug/kg	93
21) allyl chloride	6.368	41	431554	61.27	ug/kg	98
22) trans-1,2-dichloroethene	6.947	96	282875	48.29	ug/kg	97
23) iodomethane	6.179	142	347260	83.46	ug/kg	96
24) carbon disulfide	6.536	76	829555	54.89	ug/kg	99
25) propionitrile	7.230	54	28790	35.06	ug/kg	100
26) vinyl acetate	7.311	43	374164	43.26	ug/kg	98
27) chloroprene	7.560	53	678068	56.58	ug/kg	92
28) di-isopropyl ether	7.608	45	1037915	45.22	ug/kg	96
29) methacrylonitrile	7.722	41	174116	44.69	ug/kg	91
30) 2-butanone	7.621	72	40028	45.62	ug/kg#	74
31) Hexane	7.581	41	699504	53.32	ug/kg#	80
32) 1,1-dichloroethane	7.203	63	643025	54.49	ug/kg	98
33) tert-butyl ethyl ether	7.998	59	413789	49.23	ug/kg	96
34) isobutyl alcohol	7.608	43	1051004	245.14	ug/kg	81
35) 2,2-dichloropropane	8.045	77	454216	55.12	ug/kg	97
36) cis-1,2-dichloroethene	7.762	96	320474	48.38	ug/kg	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71196.D
Acq On : 22 Aug 2013 9:00 am
Operator : krystend
Sample : bs
Misc : ms29711,msp2332,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 22 09:52:48 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.295	43	24267	50.67	ug/kg#	62
38) bromochloromethane	7.931	128	132337	55.71	ug/kg	88
39) chloroform	7.965	83	798115	62.40	ug/kg	100
41) Tetrahydrofuran	8.295	42	67913	34.05	ug/kg	89
42) 1,1,1-trichloroethane	8.699	97	824216	71.15	ug/kg	99
44) Cyclohexane	8.982	56	477992	41.72	ug/kg	89
45) carbon tetrachloride	9.063	117	755355	89.37	ug/kg	99
46) 1,1-dichloropropene	8.881	75	512220	55.69	ug/kg	97
47) benzene	9.096	78	1176483	50.69	ug/kg	98
48) 1,2-dichloroethane	8.611	62	696292	67.78	ug/kg	97
49) tert-amyl methyl ether	9.231	73	344317	60.24	ug/kg	100
50) heptane	9.581	43	485272	44.97	ug/kg	98
51) trichloroethene	9.716	95	398470	58.21	ug/kg	96
52) 1,2-dichloropropane	9.682	63	308329	48.26	ug/kg	100
53) dibromomethane	9.655	93	216085	66.13	ug/kg	91
54) bromodichloromethane	9.770	83	613125	72.13	ug/kg	99
55) Methylcyclohexane	10.228	83	519157	48.61	ug/kg	96
56) 2-chloroethyl vinyl ether	10.221	63	9242	71.55	ug/kg#	89
57) methyl methacrylate	9.878	69	166241	48.12	ug/kg	89
58) 1,4-dioxane	9.871	88	11961	231.40	ug/kg#	66
59) cis-1,3-dichloropropene	10.390	75	521824	54.85	ug/kg	95
61) 4-methyl-2-pentanone	10.504	43	290418	50.32	ug/kg	95
62) toluene	11.158	92	776562	53.08	ug/kg	98
63) trans-1,3-dichloropropene	10.814	75	468998	53.83	ug/kg	90
64) 1,1,2-trichloroethane	10.982	83	210921	48.76	ug/kg	95
65) ethyl methacrylate	11.198	69	361190	52.00	ug/kg	89
67) tetrachloroethene	11.899	166	422111	64.81	ug/kg	93
68) 1,3-dichloropropane	11.211	76	486755	53.76	ug/kg	95
69) dibromochloromethane	11.494	129	384264	64.71	ug/kg	99
70) 1,2-dibromoethane	11.750	107	275553	52.24	ug/kg	97
71) 2-hexanone	11.366	43	233063	50.59	ug/kg	91
72) chlorobenzene	12.579	112	817589	49.53	ug/kg	98
73) 1,1,1,2-tetrachloroethane	12.498	131	362428	65.40	ug/kg	96
74) ethylbenzene	12.754	91	1638297	53.04	ug/kg	96
75) m,p-xylene	12.943	106	1117820	98.14	ug/kg	88
76) o-xylene	13.347	106	566699	50.14	ug/kg#	79
77) styrene	13.280	104	835490	49.50	ug/kg	84
78) bromoform	13.098	173	263745	71.00	ug/kg	95
79) trans-1,4-dichloro-2-b...	13.509	53	87588	61.60	ug/kg#	87
81) isopropylbenzene	13.717	105	1648738	43.76	ug/kg	99
83) bromobenzene	13.994	156	404068	50.67	ug/kg	91
84) 1,1,2,2-tetrachloroethane	13.354	83	351645	45.10	ug/kg	98
85) 1,2,3-trichloropropane	13.502	75	400674	49.31	ug/kg	100
86) n-propylbenzene	14.162	91	1982105	46.63	ug/kg	99
87) 2-chlorotoluene	14.277	91	1246913	45.92	ug/kg	98
88) 4-chlorotoluene	14.351	91	1309159	48.14	ug/kg	100
89) 1,3,5-trimethylbenzene	14.438	105	1445281	46.00	ug/kg	98
90) tert-butylbenzene	14.741	91	1026412	49.41	ug/kg	90
91) 1,2,4-trimethylbenzene	14.849	105	1449003	47.82	ug/kg	99
92) sec-butylbenzene	14.964	105	1882121	47.73	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71196.D
Acq On : 22 Aug 2013 9:00 am
Operator : krystend
Sample : bs
Misc : ms29711,msp2332,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 22 09:52:48 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

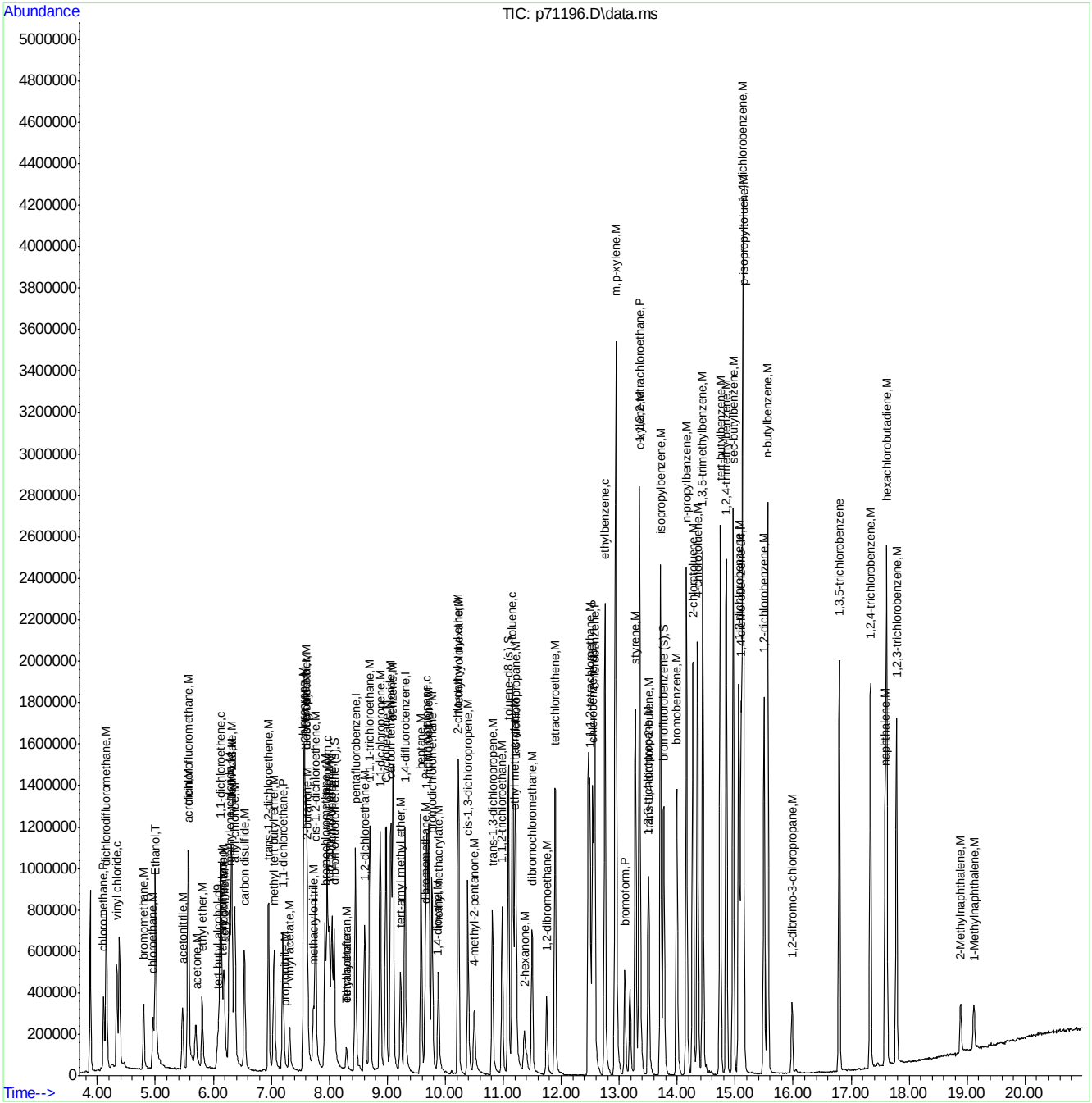
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	780298	52.16	ug/kg	98
94)	p-isopropyltoluene	15.139	119	1522302	54.42	ug/kg	97
95)	1,4-dichlorobenzene	15.132	146	806888	56.00	ug/kg	99
96)	1,2-dichlorobenzene	15.496	146	731951	52.13	ug/kg	97
97)	n-butylbenzene	15.563	91	1635807	57.19	ug/kg	98
98)	1,2-dibromo-3-chloropr...	15.981	75	98393	59.05	ug/kg	97
99)	1,3,5-trichlorobenzene	16.796	180	638840	60.97	ug/kg	98
100)	1,2,4-trichlorobenzene	17.335	180	596893	58.85	ug/kg	95
101)	hexachlorobutadiene	17.611	225	521190	68.60	ug/kg	92
102)	naphthalene	17.584	128	884948	50.27	ug/kg	100
103)	1,2,3-trichlorobenzene	17.786	180	551243	60.39	ug/kg	91
104)	2-Methylnaphthalene	18.891	142	124064	24.04	ug/kg	97
105)	1-Methylnaphthalene	19.120	142	110897	23.70	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71196.D
Acq On : 22 Aug 2013 9:00 am
Operator : krystend
Sample : bs
Misc : ms29711,msp2332,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 22 09:52:48 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 09:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130706.D
Acq On : 21 Aug 2013 9:07 pm
Operator : jaimem
Sample : mc23582-1ms
Misc : MS29713,MSG5093,6.15,,100,10,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 22 07:21:15 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.077	65	13793	500.00	ppb		-0.02
4) pentafluorobenzene	5.071	168	54772	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	79439	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	38665	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.161	152	39923	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.231	113	34855	45.92	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.84%				
60) toluene-d8 (s)	7.878	98	127562	47.41	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.82%				
82) bromofluorobenzene (s)	10.866	95	51238	44.99	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.98%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.153	59	19497	498.25	ppb		96
3) Ethanol	2.422	45	11385	4089.17	ppb		98
5) dichlorodifluoromethane	1.649	85	47384m	55.60	ppb		
6) chloromethane	1.832	50	27228	58.06	ppb		100
7) vinyl chloride	1.922	62	14133	62.89	ppb		91
8) bromomethane	2.283	96	23296	56.77	ppb		99
9) chloroethane	2.343	64	14763	50.87	ppb		85
10) ethyl ether	2.783	59	20823	40.01	ppb		61
11) acetonitrile	3.418	41	38147	38.11	ppb		79
12) trichlorofluoromethane	2.610	101	60693	50.64	ppb		99
13) freon-113	2.935	101	39269	47.12	ppb		96
14) acrolein	2.904	56	12419	249.06	ppb		100
15) 1,1-dichloroethene	3.095	96	33697	46.12	ppb		96
16) acetone	2.960	58	3837	32.72	ppb		88
17) Methyl Acetate	3.372	43	20171	28.01	ppb	#	73
18) methylene chloride	3.535	84	32764	39.93	ppb	#	66
19) methyl tert butyl ether	3.664	73	88957	43.82	ppb		86
20) acrylonitrile	3.635	53	8470	35.64	ppb		98
21) allyl chloride	3.418	41	38147	38.00	ppb		68
22) trans-1,2-dichloroethene	3.800	96	33356	42.82	ppb		87
23) iodomethane	3.388	142	64011	47.47	ppb		88
24) carbon disulfide	3.593	76	97109	41.99	ppb		99
25) propionitrile	4.718	54	2818	34.19	ppb		100
26) vinyl acetate	4.209	43	36428	27.66	ppb		95
27) chloroprene	4.309	53	49437	46.87	ppb		80
28) di-isopropyl ether	4.093	45	80212	36.31	ppb		82
29) methacrylonitrile	4.927	41	16493	37.49	ppb	#	54
30) 2-butanone	4.637	72	3996	44.20	ppb	#	43
31) Ethyl Acetate	4.807	43	17390	197.23	ug/L	#	99
32) Hexane	3.850	41	29081	41.49	ppb	#	97
33) 1,1-dichloroethane	4.218	63	55585	44.49	ppb		95
34) tert-butyl ethyl ether	4.505	59	91566	43.20	ppb		88
35) isobutyl alcohol	4.949	43	4355	181.83	ppb	#	73
36) 2,2-dichloropropane	4.794	77	36367	46.95	ppb		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130706.D
Acq On : 21 Aug 2013 9:07 pm
Operator : jaimem
Sample : mc23582-1ms
Misc : MS29713,MSG5093,6.15,,100,10,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 22 07:21:15 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.835	96	35804	42.75	ppb		86
38) bromochloromethane	5.176	128	18287	49.12	ppb	#	66
39) chloroform	5.001	83	62414	46.24	ppb		96
41) Tetrahydrofuran	5.218	42	5217	34.60	ppb		67
42) 1,1,1-trichloroethane	5.434	97	58289	51.29	ppb		90
44) Cyclohexane	5.451	56	46986	40.70	ppb	#	68
45) carbon tetrachloride	5.711	117	56782	56.76	ppb		99
46) 1,1-dichloropropene	5.595	75	47419	46.56	ppb		97
47) benzene	5.895	78	150257	50.57	ppb		97
48) 1,2-dichloroethane	5.875	62	48460	47.89	ppb		99
49) tert-amyl methyl ether	5.717	73	83508	45.69	ppb		81
50) heptane	5.741	43	58543	42.13	ppb		83
51) trichloroethene	6.562	95	36568	43.42	ppb		93
52) 1,2-dichloropropane	6.759	63	27997	39.49	ppb		97
53) dibromomethane	7.077	93	20623	50.88	ppb		97
54) bromodichloromethane	7.018	83	43881	48.50	ppb		99
55) Methylcyclohexane	6.631	83	55029	46.92	ppb	#	78
56) 2-chloroethyl vinyl ether	7.349	63	3560	41.74	ppb		93
57) methyl methacrylate	6.816	69	17317	44.51	ppb	#	65
58) 1,4-dioxane	7.048	88	965m	166.38	ppb		
59) cis-1,3-dichloropropene	7.611	75	51282	44.20	ppb		98
61) 4-methyl-2-pentanone	7.378	43	22589	41.68	ppb		77
62) toluene	7.965	92	93115	52.54	ppb		96
63) trans-1,3-dichloropropene	8.162	75	48796	49.16	ppb		98
64) 1,1,2-trichloroethane	8.335	83	22622	43.20	ppb		95
65) ethyl methacrylate	8.149	69	34423	47.89	ppb	#	72
67) tetrachloroethene	8.678	166	43395	56.64	ppb		97
68) 1,3-dichloropropane	8.612	76	45707	45.58	ppb		99
69) dibromochloromethane	8.904	129	35019	53.73	ppb		99
70) 1,2-dibromoethane	9.124	107	30515	48.62	ppb		100
71) 2-hexanone	8.342	43	19636	50.68	ppb		86
72) chlorobenzene	9.580	112	101856	47.03	ppb		96
73) 1,1,1,2-tetrachloroethane	9.627	131	37845	53.43	ppb		92
74) ethylbenzene	9.635	91	172931	49.57	ppb		95
75) m,p-xylene	9.719	106	136998	101.83	ppb		89
76) o-xylene	10.198	106	64792	49.61	ppb		89
77) styrene	10.236	104	106681	51.08	ppb		88
78) bromoform	10.610	173	20815	59.01	ppb		99
79) trans-1,4-dichloro-2-b...	10.643	53	9313	45.76	ppb		91
81) isopropylbenzene	10.589	105	173909	46.23	ppb		96
83) bromobenzene	11.079	156	47011	49.74	ppb		92
84) 1,1,2,2-tetrachloroethane	10.781	83	31670	40.88	ppb		96
85) 1,2,3-trichloropropane	10.941	75	26745	42.60	ppb		98
86) n-propylbenzene	11.028	91	191848	43.37	ppb		96
87) 2-chlorotoluene	11.223	91	136428	43.47	ppb		90
88) 4-chlorotoluene	11.276	91	125712	44.79	ppb		91
89) 1,3,5-trimethylbenzene	11.202	105	149602	47.22	ppb		93
90) tert-butylbenzene	11.597	91	99614	46.16	ppb		86
91) 1,2,4-trimethylbenzene	11.632	105	151056	47.26	ppb		95
92) sec-butylbenzene	11.824	105	173833	45.41	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130706.D
Acq On : 21 Aug 2013 9:07 pm
Operator : jaimem
Sample : mc23582-1ms
Misc : MS29713,MSG5093,6.15,,100,10,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 22 07:21:15 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

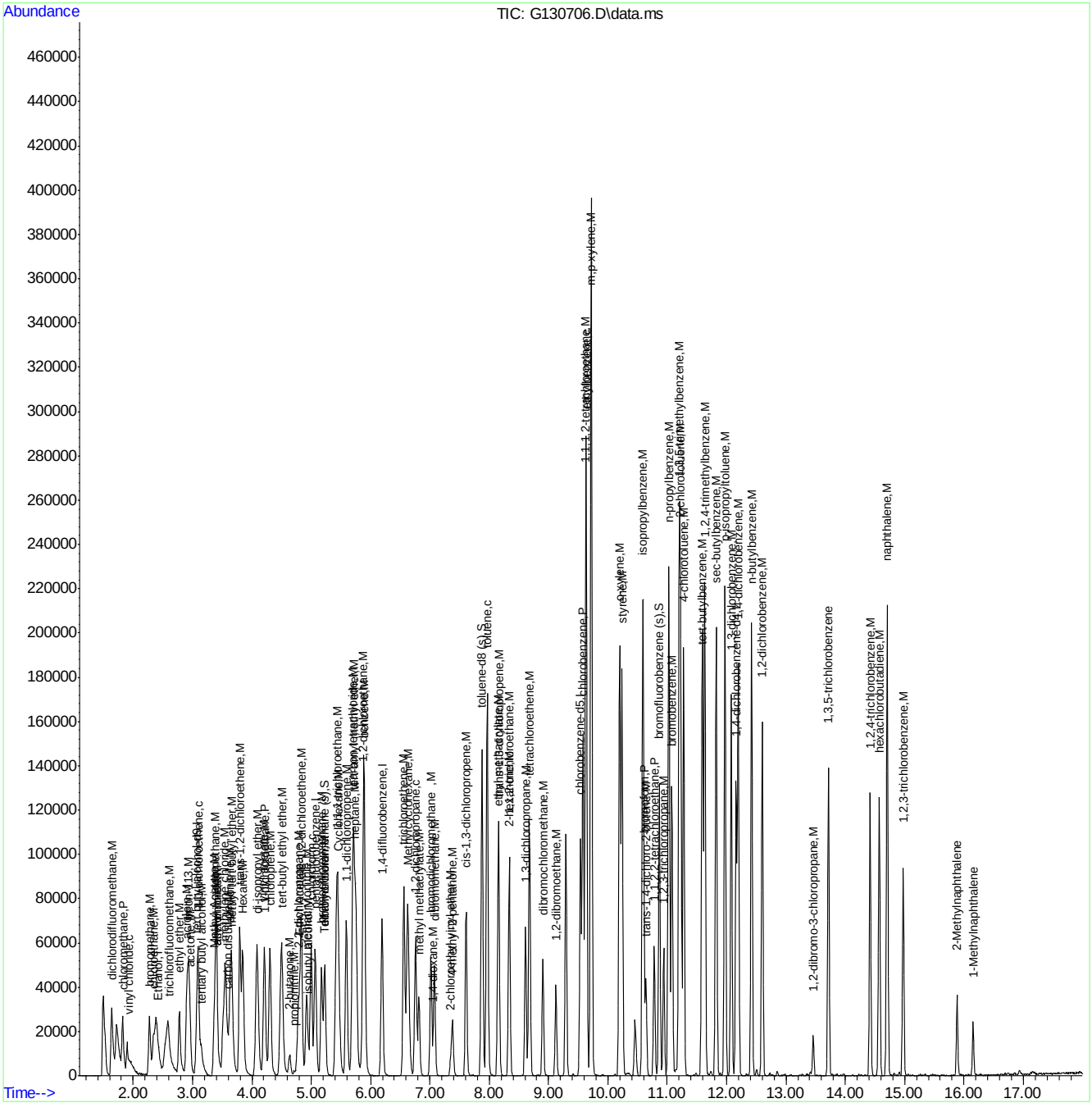
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.079	146	83956	44.87	ppb		94
94)	p-isopropyltoluene	11.974	119	151966	51.08	ppb		95
95)	1,4-dichlorobenzene	12.196	146	87333	47.32	ppb		97
96)	1,2-dichlorobenzene	12.602	146	79425	45.31	ppb		98
97)	n-butylbenzene	12.422	91	130440	46.27	ppb		100
98)	1,2-dibromo-3-chloropr...	13.459	75	5100	43.59	ppb	#	77
99)	1,3,5-trichlorobenzene	13.717	180	52007	45.30	ug/L		99
100)	1,2,4-trichlorobenzene	14.419	180	45853	46.74	ppb		99
101)	hexachlorobutadiene	14.573	225	31265	58.98	ppb		99
102)	naphthalene	14.707	128	190167	92.86	ppb		100
103)	2-Methylnaphthalene	15.886	142	18887	44.59	ug/L		98
104)	1-Methylnaphthalene	16.155	142	12483m	38.54	ug/L		
105)	1,2,3-trichlorobenzene	14.977	180	33896	46.74	ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130706.D
Acq On : 21 Aug 2013 9:07 pm
Operator : jaimem
Sample : mc23582-1ms
Misc : MS29713,MSG5093,6.15,,100,10,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 22 07:21:15 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 09:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130707.D
Acq On : 21 Aug 2013 9:35 pm
Operator : jaimem
Sample : mc23582-1msd
Misc : MS29713,MSG5093,6.15,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 22 07:21:59 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.074	65	12801	500.00	ppb		-0.02
4) pentafluorobenzene	5.072	168	55842	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	81607	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	38840	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.161	152	40388	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.231	113	34377	44.42	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 88.84%				
60) toluene-d8 (s)	7.878	98	127902	46.27	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.54%				
82) bromofluorobenzene (s)	10.866	95	50543	43.87	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.74%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.151	59	18161	500.07	ppb		91
3) Ethanol	2.423	45	10859	4202.49	ppb		93
5) dichlorodifluoromethane	1.649	85	45842m	52.76	ppb		
6) chloromethane	1.834	50	27490	57.49	ppb		98
7) vinyl chloride	1.930	62	14940	65.40	ppb		74
8) bromomethane	2.284	96	23550	56.29	ppb		97
9) chloroethane	2.345	64	14938	50.49	ppb		92
10) ethyl ether	2.784	59	20681	38.97	ppb		79
11) acetonitrile	3.417	41	37475	36.72	ppb		75
12) trichlorofluoromethane	2.612	101	60515	49.53	ppb		98
13) freon-113	2.935	101	40919	48.16	ppb		96
14) acrolein	2.904	56	12576	247.38	ppb		100
15) 1,1-dichloroethene	3.097	96	34563	46.40	ppb		90
16) acetone	2.960	58	3415	26.73	ppb		88
17) Methyl Acetate	3.372	43	20734	28.24	ppb	#	78
18) methylene chloride	3.537	84	32799	39.21	ppb	#	75
19) methyl tert butyl ether	3.663	73	87125	42.09	ppb		84
20) acrylonitrile	3.635	53	8731	36.03	ppb		98
21) allyl chloride	3.417	41	37475	36.61	ppb		62
22) trans-1,2-dichloroethene	3.802	96	33630	42.35	ppb		89
23) iodomethane	3.390	142	64426	46.86	ppb		86
24) carbon disulfide	3.597	76	98857	41.93	ppb		99
25) propionitrile	4.718	54	2866	34.11	ppb		100
26) vinyl acetate	4.209	43	36353	27.08	ppb		96
27) chloroprene	4.309	53	49469	46.00	ppb		84
28) di-isopropyl ether	4.093	45	78846	35.01	ppb		83
29) methacrylonitrile	4.927	41	16479	36.74	ppb		61
30) 2-butanone	4.638	72	3545	38.46	ppb	#	34
31) Ethyl Acetate	4.808	43	17395	193.51	ug/L	#	99
32) Hexane	3.851	41	29179	40.83	ppb	#	98
33) 1,1-dichloroethane	4.219	63	55114	43.27	ppb		96
34) tert-butyl ethyl ether	4.505	59	88541	40.97	ppb		85
35) isobutyl alcohol	4.947	43	4043	165.57	ppb	#	65
36) 2,2-dichloropropane	4.795	77	36631	46.39	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130707.D
Acq On : 21 Aug 2013 9:35 pm
Operator : jaimem
Sample : mc23582-1msd
Misc : MS29713,MSG5093,6.15,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 22 07:21:59 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.836	96	35332	41.37	ppb		82
38)	bromochloromethane	5.177	128	18242	48.06	ppb	#	66
39)	chloroform	5.001	83	61687	44.83	ppb		97
41)	Tetrahydrofuran	5.216	42	5101	33.18	ppb		72
42)	1,1,1-trichloroethane	5.434	97	57933	50.00	ppb		84
44)	Cyclohexane	5.451	56	47085	39.71	ppb	#	66
45)	carbon tetrachloride	5.712	117	56523	55.00	ppb		92
46)	1,1-dichloropropene	5.596	75	47857	45.74	ppb		98
47)	benzene	5.895	78	150430	49.28	ppb		98
48)	1,2-dichloroethane	5.875	62	47823	46.01	ppb		98
49)	tert-amyl methyl ether	5.719	73	85204	45.38	ppb		81
50)	heptane	5.742	43	57758	40.46	ppb		79
51)	trichloroethene	6.562	95	36783	42.52	ppb		91
52)	1,2-dichloropropane	6.760	63	28118	38.61	ppb		94
53)	dibromomethane	7.076	93	20480	49.18	ppb		98
54)	bromodichloromethane	7.018	83	42906	46.17	ppb		99
55)	Methylcyclohexane	6.631	83	55417	45.99	ppb	#	78
56)	2-chloroethyl vinyl ether	7.349	63	3269	39.14	ppb		90
57)	methyl methacrylate	6.816	69	17004	42.55	ppb	#	63
58)	1,4-dioxane	7.053	88	863m	144.84	ppb		
59)	cis-1,3-dichloropropene	7.611	75	49900	41.86	ppb		94
61)	4-methyl-2-pentanone	7.378	43	22050	39.60	ppb		78
62)	toluene	7.965	92	93587	51.41	ppb		99
63)	trans-1,3-dichloropropene	8.162	75	47545	46.62	ppb		95
64)	1,1,2-trichloroethane	8.336	83	22084	41.05	ppb		91
65)	ethyl methacrylate	8.149	69	34397	46.58	ppb	#	69
67)	tetrachloroethene	8.678	166	43397	56.39	ppb		99
68)	1,3-dichloropropane	8.612	76	44155	43.84	ppb		94
69)	dibromochloromethane	8.904	129	34698	53.00	ppb		97
70)	1,2-dibromoethane	9.124	107	29957	47.51	ppb		96
71)	2-hexanone	8.342	43	16995	43.66	ppb		89
72)	chlorobenzene	9.580	112	101304	46.56	ppb		95
73)	1,1,1,2-tetrachloroethane	9.626	131	37733	53.03	ppb		95
74)	ethylbenzene	9.635	91	173476	49.50	ppb		94
75)	m,p-xylene	9.719	106	137935	102.07	ppb		91
76)	o-xylene	10.198	106	65236	49.72	ppb		88
77)	styrene	10.236	104	105607	50.33	ppb		86
78)	bromoform	10.610	173	20643	58.26	ppb		95
79)	trans-1,4-dichloro-2-b...	10.644	53	9210	45.05	ppb		95
81)	isopropylbenzene	10.589	105	177295	46.58	ppb		95
83)	bromobenzene	11.079	156	46383	48.51	ppb		98
84)	1,1,2,2-tetrachloroethane	10.781	83	31597	40.32	ppb		96
85)	1,2,3-trichloropropane	10.941	75	26824	42.23	ppb		99
86)	n-propylbenzene	11.028	91	193116	43.16	ppb		97
87)	2-chlorotoluene	11.223	91	136859	43.11	ppb		92
88)	4-chlorotoluene	11.276	91	125521	44.21	ppb		94
89)	1,3,5-trimethylbenzene	11.202	105	150679	47.01	ppb		98
90)	tert-butylbenzene	11.597	91	100754	46.15	ppb		88
91)	1,2,4-trimethylbenzene	11.632	105	151630	46.90	ppb		95
92)	sec-butylbenzene	11.824	105	175888	45.42	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130707.D
Acq On : 21 Aug 2013 9:35 pm
Operator : jaimem
Sample : mc23582-1msd
Misc : MS29713,MSG5093,6.15,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 22 07:21:59 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

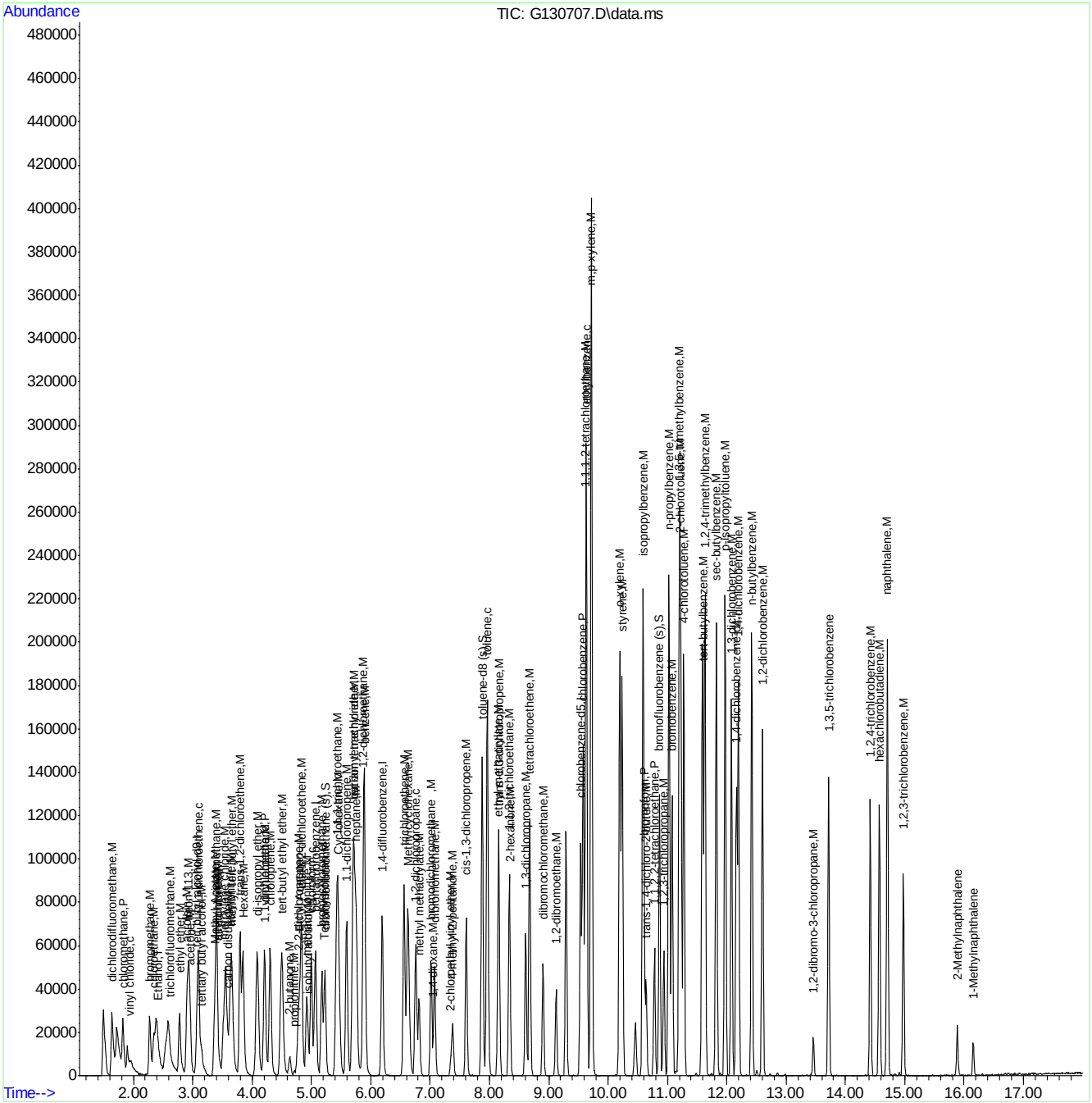
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	12.079	146	84222	44.50	ppb	94
94)	p-isopropyltoluene	11.974	119	154196	51.23	ppb	96
95)	1,4-dichlorobenzene	12.196	146	85766	45.93	ppb	96
96)	1,2-dichlorobenzene	12.602	146	78469	44.25	ppb	97
97)	n-butylbenzene	12.422	91	131131	45.98	ppb	97
98)	1,2-dibromo-3-chloropr...	13.459	75	5077	42.89	ppb	81
99)	1,3,5-trichlorobenzene	13.717	180	51821	44.62	ug/L	99
100)	1,2,4-trichlorobenzene	14.419	180	45832	46.18	ppb	99
101)	hexachlorobutadiene	14.572	225	31836	59.37	ppb	93
102)	naphthalene	14.707	128	183287	88.64	ppb	100
103)	2-Methylnaphthalene	15.886	142	12593	33.41	ug/L	96
104)	1-Methylnaphthalene	16.154	142	8817	29.38	ug/L	94
105)	1,2,3-trichlorobenzene	14.977	180	34208	46.62	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130707.D
Acq On : 21 Aug 2013 9:35 pm
Operator : jaimem
Sample : mc23582-1msd
Misc : MS29713,MSG5093,6.15,,100,10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 22 07:21:59 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71218.D
Acq On : 22 Aug 2013 7:17 pm
Operator : krystend
Sample : mc23630-2ms
Misc : ms29721,msp2332,5.389,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 23 08:51:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.072	65	248292	500.00	ug/kg	0.00
4) pentafluorobenzene	8.450	168	371197	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	495803	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.539	82	336362	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	296679	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	219297	58.70	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 117.40%#			
60) toluene-d8 (s)	11.090	98	638199	46.47	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 92.94%#			
82) bromofluorobenzene (s)	13.771	95	314634	42.23	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 84.46%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	341474	616.11	ug/kg	99
3) Ethanol	4.987	45	236945	3134.50	ug/kg	94
5) dichlorodifluoromethane	4.152	85	249415	81.93	ug/kg	96
6) chloromethane	4.105	50	174923	54.98	ug/kg	98
7) vinyl chloride	4.334	62	253554	59.95	ug/kg	95
8) bromomethane	4.798	96	109730	71.90	ug/kg	98
9) chloroethane	4.960	64	109287	63.69	ug/kg	96
10) ethyl ether	5.809	59	134072	62.59	ug/kg	88
11) acetonitrile	5.465	41	141069	94.71	ug/kg	89
12) trichlorofluoromethane	5.566	101	654914	98.16	ug/kg	100
13) freon-113	6.314	101	237075	76.39	ug/kg	85
14) acrolein	5.573	56	43157	220.59	ug/kg	94
15) 1,1-dichloroethene	6.125	96	169743	70.63	ug/kg#	75
16) acetone	5.701	58	24005	59.23	ug/kg#	47
17) Methyl Acetate	6.321	43	137876	38.89	ug/kg#	95
18) methylene chloride	6.280	84	197535	68.55	ug/kg	95
19) methyl tert butyl ether	7.048	73	406844	67.57	ug/kg	91
20) acrylonitrile	6.200	53	61230	64.17	ug/kg	100
21) allyl chloride	6.368	41	254561	64.07	ug/kg	92
22) trans-1,2-dichloroethene	6.947	96	160652	48.62	ug/kg	90
23) iodomethane	6.179	142	184228	78.77	ug/kg	70
24) carbon disulfide	6.536	76	512882	59.24	ug/kg	99
25) propionitrile	7.237	54	21259	45.07	ug/kg	100
26) vinyl acetate	7.318	43	136466	27.97	ug/kg	97
27) chloroprene	7.560	53	413078	61.10	ug/kg	83
28) di-isopropyl ether	7.607	45	668467	51.62	ug/kg	91
29) methacrylonitrile	7.722	41	143969	65.50	ug/kg	90
30) 2-butanone	7.628	72	30146	60.62	ug/kg#	34
31) Hexane	7.581	41	485429	65.60	ug/kg#	70
32) 1,1-dichloroethane	7.203	63	428071	64.30	ug/kg	97
33) tert-butyl ethyl ether	7.998	59	284673	57.81	ug/kg	97
34) isobutyl alcohol	7.607	43	735856	304.24	ug/kg	85
35) 2,2-dichloropropane	8.045	77	308626	64.17	ug/kg	93
36) cis-1,2-dichloroethene	7.762	96	201681	53.97	ug/kg	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71218.D
Acq On : 22 Aug 2013 7:17 pm
Operator : krystend
Sample : mc23630-2ms
Misc : ms29721,msp2332,5.389,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 23 08:51:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.295	43	15824	58.90	ug/kg#	62
38) bromochloromethane	7.931	128	83305	62.16	ug/kg	95
39) chloroform	7.965	83	563605	78.11	ug/kg	100
41) Tetrahydrofuran	8.295	42	54534	48.47	ug/kg	86
42) 1,1,1-trichloroethane	8.706	97	608264	93.08	ug/kg	98
44) Cyclohexane	8.982	56	305375	43.74	ug/kg	93
45) carbon tetrachloride	9.063	117	564251	109.56	ug/kg	99
46) 1,1-dichloropropene	8.881	75	332001	59.24	ug/kg	95
47) benzene	9.096	78	745412	52.76	ug/kg	97
48) 1,2-dichloroethane	8.611	62	554425	88.57	ug/kg	95
49) tert-amyl methyl ether	9.231	73	235183	66.44	ug/kg	96
50) heptane	9.581	43	307550	46.77	ug/kg	95
51) trichloroethene	9.716	95	271535	65.23	ug/kg	93
52) 1,2-dichloropropane	9.682	63	201171	51.67	ug/kg	99
53) dibromomethane	9.662	93	164172	82.46	ug/kg	95
54) bromodichloromethane	9.770	83	433839	83.76	ug/kg	98
55) Methylcyclohexane	10.228	83	324476	49.85	ug/kg	99
56) 2-chloroethyl vinyl ether	10.221	63	7342	95.84	ug/kg#	85
57) methyl methacrylate	9.884	69	129693	61.61	ug/kg	81
58) 1,4-dioxane	9.878	88	9633	300.81	ug/kg	87
59) cis-1,3-dichloropropene	10.390	75	343858	59.32	ug/kg	95
61) 4-methyl-2-pentanone	10.497	43	269611	76.67	ug/kg	89
62) toluene	11.158	92	499432	56.02	ug/kg	94
63) trans-1,3-dichloropropene	10.814	75	333538	62.22	ug/kg	86
64) 1,1,2-trichloroethane	10.982	83	154735	58.70	ug/kg	99
65) ethyl methacrylate	11.198	69	266065	62.54	ug/kg	83
67) tetrachloroethene	11.899	166	266521	60.21	ug/kg	95
68) 1,3-dichloropropane	11.218	76	358615	58.27	ug/kg	99
69) dibromochloromethane	11.501	129	284767	70.07	ug/kg	98
70) 1,2-dibromoethane	11.750	107	201089	56.09	ug/kg	92
71) 2-hexanone	11.360	43	188807	60.30	ug/kg	80
72) chlorobenzene	12.572	112	532557	47.47	ug/kg	91
73) 1,1,1,2-tetrachloroethane	12.498	131	253041	67.18	ug/kg	91
74) ethylbenzene	12.754	91	1088029	51.83	ug/kg	94
75) m,p-xylene	12.936	106	716887	92.60	ug/kg#	75
76) o-xylene	13.347	106	375604	48.90	ug/kg#	78
77) styrene	13.280	104	361735	31.53	ug/kg	86
78) bromoform	13.098	173	201871	78.73	ug/kg	93
79) trans-1,4-dichloro-2-b...	13.509	53	76020	75.30	ug/kg#	81
81) isopropylbenzene	13.711	105	1101421	44.52	ug/kg	99
83) bromobenzene	13.994	156	249904	47.72	ug/kg	95
84) 1,1,2,2-tetrachloroethane	13.360	83	279501	54.58	ug/kg	98
85) 1,2,3-trichloropropane	13.502	75	335085	62.79	ug/kg	100
86) n-propylbenzene	14.162	91	1308220	46.86	ug/kg	99
87) 2-chlorotoluene	14.270	91	821751	46.08	ug/kg	93
88) 4-chlorotoluene	14.351	91	859258	48.11	ug/kg	95
89) 1,3,5-trimethylbenzene	14.438	105	971357	47.08	ug/kg	97
90) tert-butylbenzene	14.741	91	728348	53.39	ug/kg	89
91) 1,2,4-trimethylbenzene	14.849	105	945281	47.50	ug/kg	100
92) sec-butylbenzene	14.964	105	1224872	47.30	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71218.D
Acq On : 22 Aug 2013 7:17 pm
Operator : krystend
Sample : mc23630-2ms
Misc : ms29721,msp2332,5.389,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 23 08:51:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

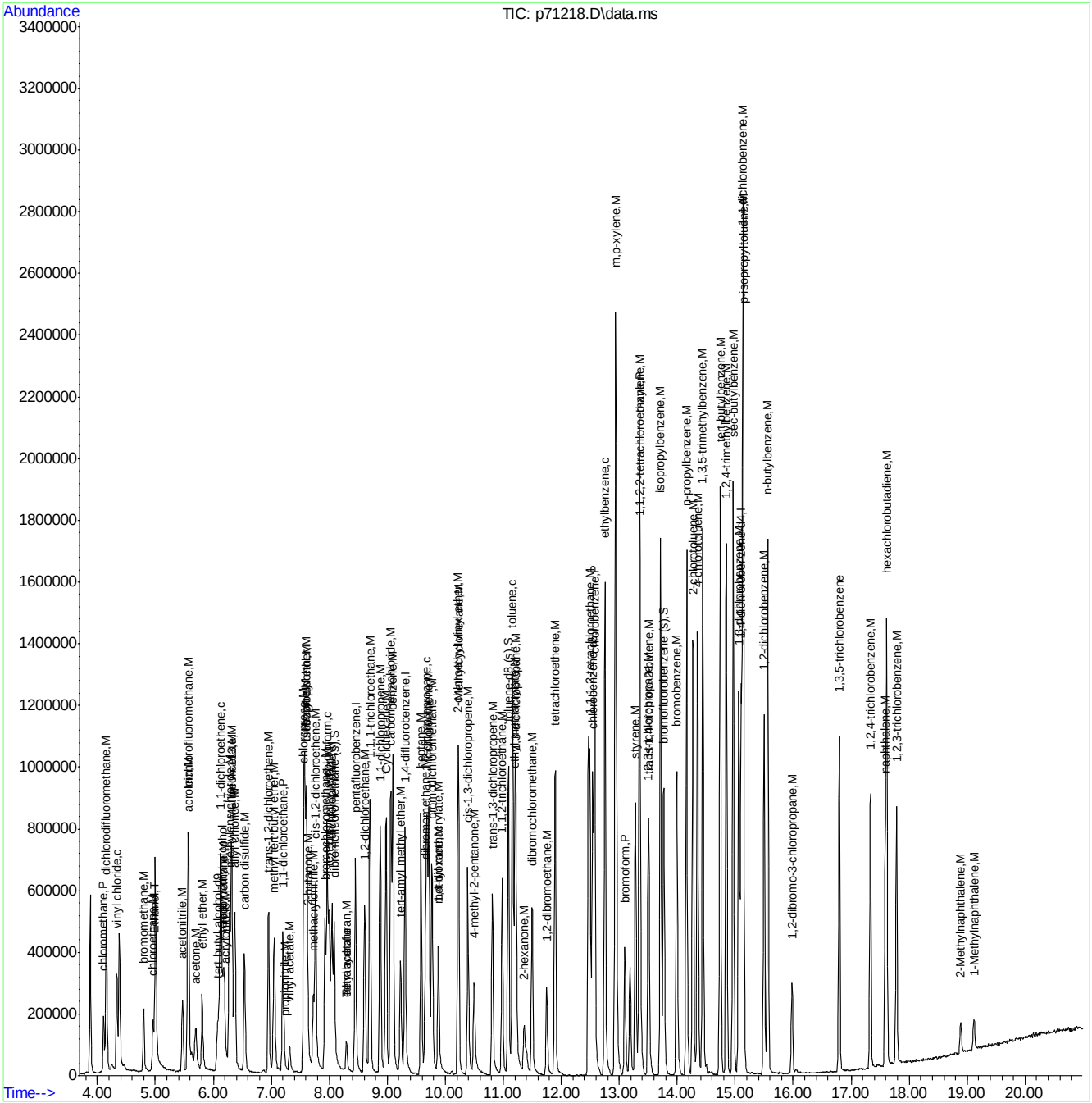
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	466026	47.44	ug/kg	99
94)	p-isopropyltoluene	15.146	119	988067	53.78	ug/kg	96
95)	1,4-dichlorobenzene	15.132	146	482109	50.95	ug/kg	99
96)	1,2-dichlorobenzene	15.496	146	445558	48.32	ug/kg	99
97)	n-butylbenzene	15.563	91	997566	53.10	ug/kg	97
98)	1,2-dibromo-3-chloropr...	15.981	75	85996	76.48	ug/kg	85
99)	1,3,5-trichlorobenzene	16.796	180	328231	47.70	ug/kg	95
100)	1,2,4-trichlorobenzene	17.335	180	273395	41.74	ug/kg	99
101)	hexachlorobutadiene	17.611	225	296706	59.47	ug/kg	89
102)	naphthalene	17.591	128	438282	39.84	ug/kg	100
103)	1,2,3-trichlorobenzene	17.786	180	256786	43.90	ug/kg	98
104)	2-Methylnaphthalene	18.891	142	47601	14.05	ug/kg	92
105)	1-Methylnaphthalene	19.120	142	48586	15.81	ug/kg	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71218.D
Acq On : 22 Aug 2013 7:17 pm
Operator : krystend
Sample : mc23630-2ms
Misc : ms29721,msp2332,5.389,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 23 08:51:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71219.D
Acq On : 22 Aug 2013 7:45 pm
Operator : krystend
Sample : mc23630-2msd
Misc : ms29721,msp2332,5.292,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 23 08:52:14 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	296647	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	415019	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	524797	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	325951	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	275406	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	229095	54.85	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 109.70%#			
60) toluene-d8 (s)	11.090	98	635785	43.73	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 87.46%#			
82) bromofluorobenzene (s)	13.771	95	292572	42.30	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 84.60%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	349522	527.83	ug/kg	99
3) Ethanol	4.994	45	284563	3152.75	ug/kg	91
5) dichlorodifluoromethane	4.152	85	274726	80.72	ug/kg	100
6) chloromethane	4.104	50	240251	67.54	ug/kg	99
7) vinyl chloride	4.333	62	284823	60.23	ug/kg	98
8) bromomethane	4.798	96	126930	74.12	ug/kg	99
9) chloroethane	4.953	64	119865	62.47	ug/kg	100
10) ethyl ether	5.809	59	128599	53.69	ug/kg	97
11) acetonitrile	5.472	41	135657	81.46	ug/kg	94
12) trichlorofluoromethane	5.566	101	607444	81.43	ug/kg	99
13) freon-113	6.314	101	215881	62.21	ug/kg	96
14) acrolein	5.573	56	43773	200.40	ug/kg	99
15) 1,1-dichloroethene	6.132	96	170773	63.56	ug/kg	95
16) acetone	5.701	58	29811	66.71	ug/kg	89
17) Methyl Acetate	6.321	43	120148	30.31	ug/kg#	91
18) methylene chloride	6.280	84	176635	55.11	ug/kg	95
19) methyl tert butyl ether	7.048	73	378062	56.16	ug/kg	94
20) acrylonitrile	6.199	53	52280	49.01	ug/kg	95
21) allyl chloride	6.368	41	268687	60.48	ug/kg	90
22) trans-1,2-dichloroethene	6.954	96	155730	42.15	ug/kg	89
23) iodomethane	6.186	142	158905	61.85	ug/kg	77
24) carbon disulfide	6.536	76	513170	54.02	ug/kg	97
25) propionitrile	7.223	54	22016	41.94	ug/kg	100
26) vinyl acetate	7.318	43	120924	22.17	ug/kg	100
27) chloroprene	7.560	53	365918	48.41	ug/kg	87
28) di-isopropyl ether	7.607	45	609392	42.09	ug/kg	94
29) methacrylonitrile	7.729	41	132688	54.00	ug/kg	92
30) 2-butanone	7.621	72	28626	51.61	ug/kg#	66
31) Hexane	7.580	41	436803	52.79	ug/kg#	77
32) 1,1-dichloroethane	7.203	63	399552	53.68	ug/kg	98
33) tert-butyl ethyl ether	7.998	59	253582	48.11	ug/kg	97
34) isobutyl alcohol	7.614	43	649353	240.13	ug/kg	93
35) 2,2-dichloropropane	8.045	77	263262	51.53	ug/kg	96
36) cis-1,2-dichloroethene	7.762	96	184899	44.25	ug/kg	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71219.D
Acq On : 22 Aug 2013 7:45 pm
Operator : krystend
Sample : mc23630-2msd
Misc : ms29721,msp2332,5.292,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 23 08:52:14 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.294	43	15544	51.49	ug/kg#	62
38) bromochloromethane	7.931	128	74320	49.60	ug/kg	95
39) chloroform	7.964	83	494920	61.35	ug/kg	97
41) Tetrahydrofuran	8.294	42	53935	42.88	ug/kg	91
42) 1,1,1-trichloroethane	8.705	97	538805	73.74	ug/kg	99
44) Cyclohexane	8.975	56	280380	37.94	ug/kg	93
45) carbon tetrachloride	9.062	117	497179	91.20	ug/kg	96
46) 1,1-dichloropropene	8.881	75	305404	51.48	ug/kg	95
47) benzene	9.103	78	685143	45.64	ug/kg	100
48) 1,2-dichloroethane	8.611	62	461787	69.69	ug/kg	94
49) tert-amyl methyl ether	9.231	73	221002	59.99	ug/kg	95
50) heptane	9.581	43	275149	39.53	ug/kg	96
51) trichloroethene	9.716	95	246477	55.78	ug/kg	97
52) 1,2-dichloropropane	9.682	63	178444	43.30	ug/kg	99
53) dibromomethane	9.655	93	143842	68.26	ug/kg	97
54) bromodichloromethane	9.770	83	376517	68.68	ug/kg	99
55) Methylcyclohexane	10.228	83	296610	43.06	ug/kg	97
56) 2-chloroethyl vinyl ether	10.228	63	6987	85.32	ug/kg#	100
57) methyl methacrylate	9.878	69	115408	51.80	ug/kg	82
58) 1,4-dioxane	9.878	88	9689	286.62	ug/kg#	53
59) cis-1,3-dichloropropene	10.389	75	286859	46.75	ug/kg	95
61) 4-methyl-2-pentanone	10.497	43	257849	69.27	ug/kg	92
62) toluene	11.157	92	444883	47.15	ug/kg	100
63) trans-1,3-dichloropropene	10.814	75	272317	48.82	ug/kg	90
64) 1,1,2-trichloroethane	10.982	83	139338	49.94	ug/kg	99
65) ethyl methacrylate	11.198	69	235149	52.47	ug/kg	90
67) tetrachloroethene	11.898	166	233540	54.44	ug/kg	98
68) 1,3-dichloropropane	11.218	76	298877	50.12	ug/kg	98
69) dibromochloromethane	11.501	129	235489	60.58	ug/kg	97
70) 1,2-dibromoethane	11.743	107	171255	49.30	ug/kg	95
71) 2-hexanone	11.366	43	192028	63.29	ug/kg	85
72) chlorobenzene	12.579	112	452285	41.60	ug/kg	97
73) 1,1,1,2-tetrachloroethane	12.498	131	211810	58.03	ug/kg	91
74) ethylbenzene	12.754	91	927211	45.58	ug/kg	96
75) m,p-xylene	12.943	106	633558	84.45	ug/kg	84
76) o-xylene	13.353	106	312419	41.97	ug/kg#	79
77) styrene	13.279	104	307661	27.67	ug/kg	81
78) bromoform	13.098	173	170499	69.86	ug/kg	92
79) trans-1,4-dichloro-2-b...	13.508	53	63336	66.44	ug/kg#	77
81) isopropylbenzene	13.717	105	897892	39.09	ug/kg	98
83) bromobenzene	13.993	156	207756	42.74	ug/kg	96
84) 1,1,2,2-tetrachloroethane	13.360	83	236570	49.77	ug/kg	96
85) 1,2,3-trichloropropane	13.502	75	290243	58.59	ug/kg	98
86) n-propylbenzene	14.162	91	1075802	41.51	ug/kg	99
87) 2-chlorotoluene	14.276	91	672507	40.63	ug/kg	96
88) 4-chlorotoluene	14.350	91	690956	41.67	ug/kg	96
89) 1,3,5-trimethylbenzene	14.438	105	795498	41.54	ug/kg	97
90) tert-butylbenzene	14.741	91	590358	46.62	ug/kg	91
91) 1,2,4-trimethylbenzene	14.849	105	770893	41.73	ug/kg	98
92) sec-butylbenzene	14.963	105	1007818	41.92	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71219.D
Acq On : 22 Aug 2013 7:45 pm
Operator : krystend
Sample : mc23630-2msd
Misc : ms29721,msp2332,5.292,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 23 08:52:14 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

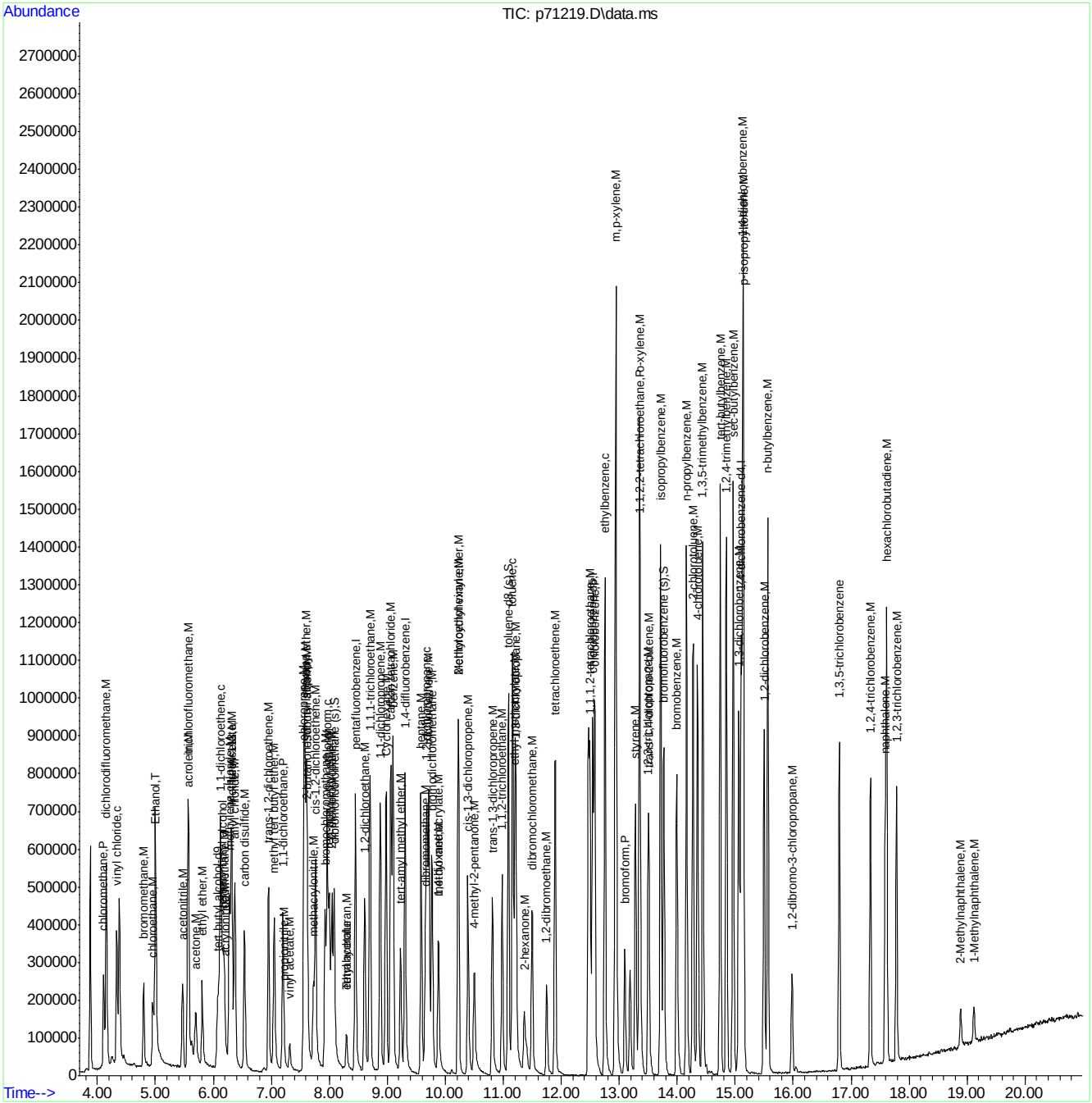
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	368558	40.41	ug/kg	98
94)	p-isopropyltoluene	15.139	119	820279	48.10	ug/kg	95
95)	1,4-dichlorobenzene	15.132	146	395392	45.02	ug/kg	97
96)	1,2-dichlorobenzene	15.502	146	349619	40.85	ug/kg	97
97)	n-butylbenzene	15.563	91	827846	47.47	ug/kg	100
98)	1,2-dibromo-3-chloropr...	15.981	75	76991	73.98	ug/kg	95
99)	1,3,5-trichlorobenzene	16.796	180	262759	41.13	ug/kg	97
100)	1,2,4-trichlorobenzene	17.335	180	231471	38.27	ug/kg	100
101)	hexachlorobutadiene	17.611	225	242268	52.31	ug/kg	84
102)	naphthalene	17.591	128	411092	40.18	ug/kg	100
103)	1,2,3-trichlorobenzene	17.786	180	224272	41.52	ug/kg	100
104)	2-Methylnaphthalene	18.891	142	46384	14.75	ug/kg	98
105)	1-Methylnaphthalene	19.120	142	44946	15.76	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71219.D
Acq On : 22 Aug 2013 7:45 pm
Operator : krystend
Sample : mc23630-2msd
Misc : ms29721,msp2332,5.292,,,5,1
ALS Vial : 26 Sample Multiplier: 1

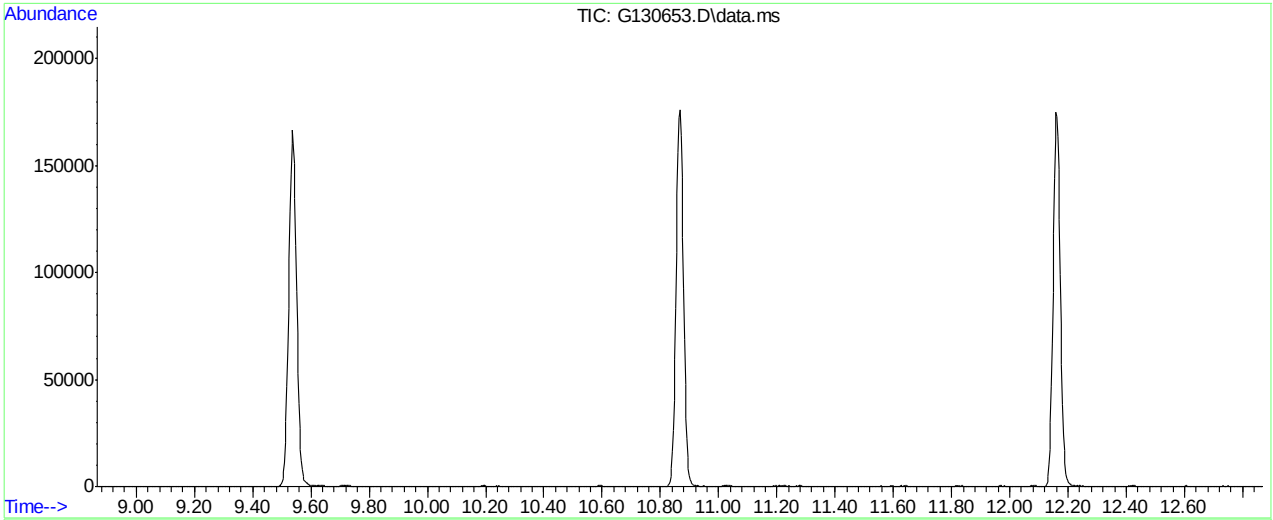
Quant Time: Aug 23 08:52:14 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



SW-846 Method 8260

Data File : C:\msdchem\1\DATA\G130820\G130653.D Vial: 2
Acq On : 20 Aug 2013 12:03 pm Operator: jaimem
Sample : bfb Inst : MSG
Misc : MS29686,MSG5092,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130820s.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Average of 10.863 to 10.869 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.1	6221	PASS
75	95	30	60	46.4	17896	PASS
95	95	100	100	100.0	38568	PASS
96	95	5	9	6.5	2509	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	80.1	30893	PASS
175	174	5	9	7.2	2236	PASS
176	174	95	101	95.0	29352	PASS
177	176	5	9	6.5	1913	PASS

G130653.D g130820s.m Wed Aug 21 07:52:40 2013

Average of 10.863 to 10.869 min.: G130653.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	260	51.10	1966	67.05	35	78.15	45
37.10	1402	52.00	69	68.05	3662	78.95	719
38.10	1293	55.00	73	69.05	3456	80.00	228
39.10	555	56.10	442	70.05	269	80.95	831
44.05	203	57.05	847	72.00	187	81.85	206
45.05	334	60.05	277	73.05	1459	86.95	1423
47.10	444	61.05	1549	74.05	5875	87.95	1319
47.95	162	62.05	1544	75.05	17896	91.00	83
48.15	70	63.05	1123	76.05	1589	92.05	1071
49.05	1313	64.05	88	77.00	205	93.00	1499
50.05	6221	65.15	127	77.95	92	94.05	4576

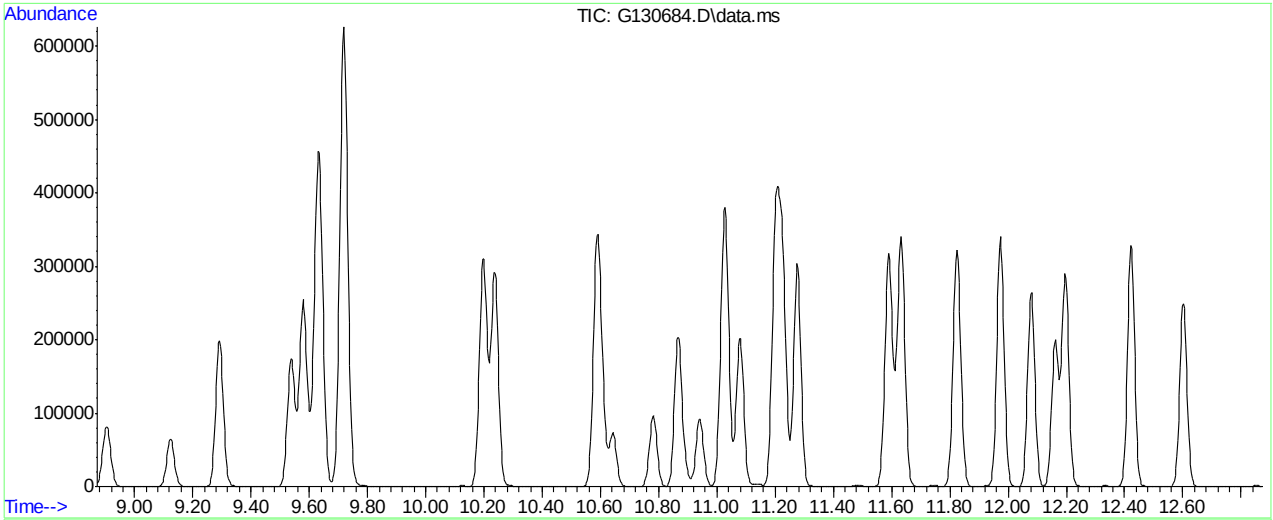
Average of 10.863 to 10.869 min.: G130653.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.05	38568	143.00	430				
96.05	2509	148.00	73				
103.90	140	154.85	37				
105.90	88	171.95	101				
115.85	40	173.95	30893				
116.90	247	174.95	2236				
117.90	131	175.95	29352				
118.90	191	176.95	1913				
127.90	101						
129.90	99						
140.90	417						

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\G130821\G130684.D Vial: 5
Acq On : 21 Aug 2013 10:43 am Operator: jaimem
Sample : bfb Inst : MSG
Misc : MS29686,MSG5093,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g130820s.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 3517

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.0	6479	PASS
75	95	30	60	44.3	17928	PASS
95	95	100	100	100.0	40512	PASS
96	95	5	9	7.3	2956	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	82.7	33488	PASS
175	174	5	9	6.9	2324	PASS
176	174	95	101	97.3	32576	PASS
177	176	5	9	6.2	2018	PASS

G130684.D g130820s.m Wed Aug 21 11:13:42 2013

Scan 3517 (10.872 min): G130684.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	419	49.05	1221	68.05	3677	78.95	671
37.15	1301	50.15	6479	69.05	3717	79.95	344
38.05	1205	51.15	1883	70.05	515	80.95	763
39.15	712	55.05	345	71.15	481	81.95	267
41.05	521	56.05	628	72.15	149	83.05	105
42.15	207	57.15	1972	73.05	1407	84.05	128
43.05	996	60.05	287	74.05	5815	85.15	249
44.05	275	61.05	1498	75.05	17928	87.05	1230
45.05	264	62.05	1415	76.05	1657	88.05	1677
47.05	394	63.05	1024	77.05	236	90.95	132
48.05	162	67.05	181	77.95	212	92.05	1118

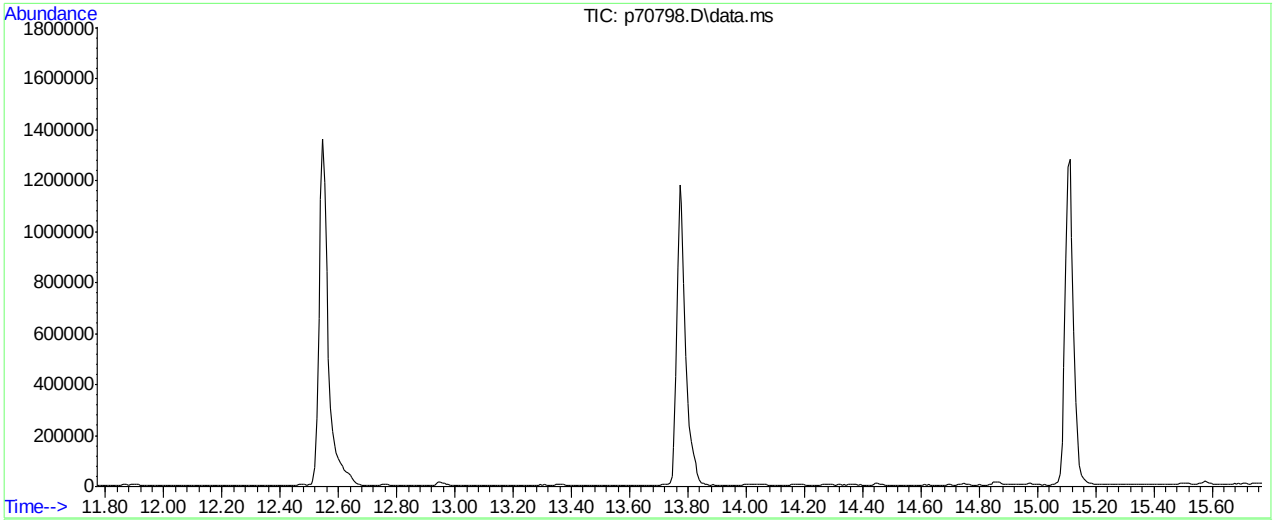
Scan 3517 (10.872 min): G130684.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.05	1651	142.95	394				
94.05	4491	148.05	116				
95.05	40512	154.95	115				
96.05	2956	173.95	33488				
103.95	144	174.95	2324				
116.95	240	175.95	32576				
117.85	148	177.05	2018				
118.95	217						
127.95	204						
129.95	118						
141.05	316						

SW-846 Method 8260

Data File : C:\msdchem\1\data\P130805\p70798.D Vial: 4
Acq On : 5 Aug 2013 1:05 pm Operator: krystend
Sample : bfb Inst : MSP
Misc : ms29498,msp2318,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 1497

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.1	54912	PASS
75	95	30	60	54.9	130656	PASS
95	95	100	100	100.0	238144	PASS
96	95	5	9	7.1	16968	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	77.0	183424	PASS
175	174	5	9	8.4	15398	PASS
176	174	95	101	100.2	183872	PASS
177	176	5	9	6.6	12112	PASS

p70798.D P130805S.M Tue Aug 06 09:35:36 2013

Scan 1497 (13.771 min): p70798.D\data.ms (-1524)
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	2746	51.00	15569	65.10	545	77.90	1063
37.10	12937	52.10	1013	67.10	765	78.90	6886
38.10	10405	55.00	716	68.00	26480	80.00	2154
39.10	4562	56.10	4842	69.00	26352	80.90	6288
43.10	350	57.10	7011	70.10	1807	81.90	1103
44.00	1700	58.00	342	72.10	1383	82.90	419
45.00	2451	60.00	2170	73.00	11525	87.00	6993
47.00	2117	61.00	12217	74.00	43528	88.00	7630
48.00	1781	62.00	11995	75.10	130656	90.90	1138
49.00	11108	63.10	9893	76.10	10482	92.00	7800
50.00	54912	64.10	678	77.00	1136	93.00	10484

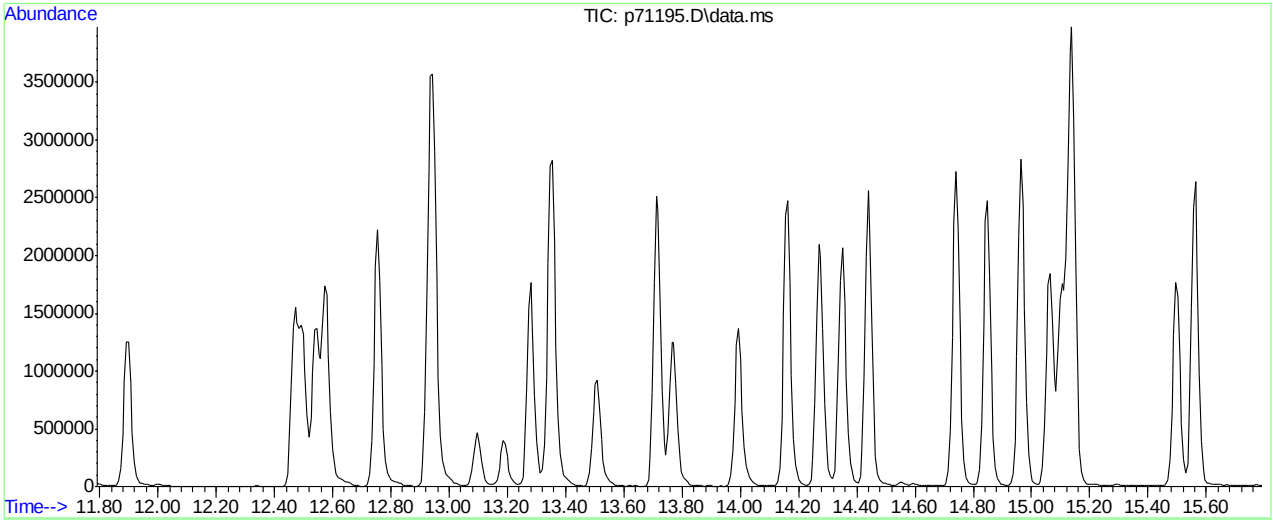
Scan 1497 (13.771 min): p70798.D\data.ms (-1524)
bfb
Modified:subtracted

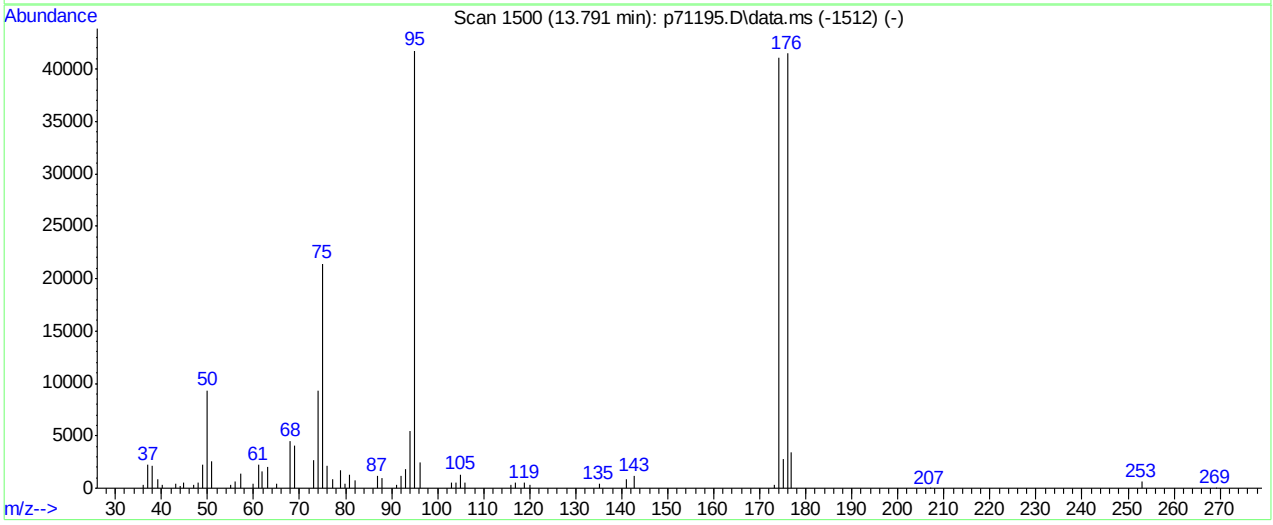
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	27800	128.00	868	147.90	886	208.10	389
95.00	238144	129.00	432	150.00	440	270.00	318
96.10	16968	130.00	763	155.00	603		
97.10	474	130.90	479	157.10	415		
104.00	987	135.00	485	160.80	327		
104.90	573	136.80	400	172.10	311		
106.00	1054	139.90	319	174.00	183424		
115.90	896	141.00	2497	175.00	15398		
116.90	1632	142.00	329	176.00	183872		
117.90	874	142.90	2371	177.00	12112		
118.90	1070	145.90	565	178.00	371		

SW-846 Method 8260

Data File : C:\msdchem\1\data\P130822\p71195.D Vial: 2
Acq On : 22 Aug 2013 8:32 am Operator: krystend
Sample : bfb Inst : MSP
Misc : ms29711,msp2332,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\P130805S.M (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Scan 1500

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.3	9332	PASS
75	95	30	60	51.2	21400	PASS
95	95	100	100	100.0	41759	PASS
96	95	5	9	6.0	2517	PASS
173	174	0.00	2	0.8	340	PASS
174	95	50	150	98.3	41056	PASS
175	174	5	9	6.8	2796	PASS
176	174	95	101	101.0	41464	PASS
177	176	5	9	8.4	3472	PASS

p71195.D P130805S.M Thu Aug 22 11:53:24 2013

Scan 1500 (13.791 min): p71195.D\data.ms (-1512)
cc2318-50
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	364	50.00	9332	69.00	4088	88.00	966
37.10	2245	51.00	2589	73.00	2716	91.00	296
38.00	2133	55.00	316	74.00	9338	92.00	1174
39.10	837	55.90	675	75.00	21400	93.00	1867
40.05	298	57.10	1364	76.00	2165	94.00	5463
43.00	397	60.00	437	77.20	882	95.00	41759
44.10	179	61.10	2238	78.90	1747	96.10	2517
44.80	510	61.90	1585	79.90	388	103.00	492
46.90	307	63.00	2067	80.80	1333	104.10	514
48.00	564	64.90	416	82.00	748	105.00	1315
49.00	2249	68.00	4522	86.90	1160	105.90	587

Scan 1500 (13.791 min): p71195.D\data.ms (-1512)
cc2318-50
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
116.00	350	176.90	3472				
117.00	489	207.00	1				
118.90	514	253.00	619				
120.00	374	269.10	8				
135.05	391						
140.90	882						
142.80	1158						
173.10	340						
174.00	41056						
175.00	2796						
176.00	41464						

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/21/13 09:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130654.D
Acq On : 20 Aug 2013 12:31 pm
Operator : jaimem
Sample : ic5092-0.5
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 07:24:24 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:21:55 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.079	65	22322	500.00	ppb	0.00
4) pentafluorobenzene	5.071	168	74886	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.195	114	118495	50.00	ppb	0.00
66) chlorobenzene-d5	9.539	82	58163	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.162	152	50533	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	0.000	113	0	0.00	ppb	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
60) toluene-d8 (s)	7.877	98	2371	0.58	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	1.16%#		
82) bromofluorobenzene (s)	10.867	95	1019	0.70	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	1.40%#		
Target Compounds						Qvalue
47) benzene	5.892	78	2831m	0.66	ppb	
51) trichloroethene	6.560	95	763m	0.62	ppb	
67) tetrachloroethene	8.679	166	700m	0.63	ppb	

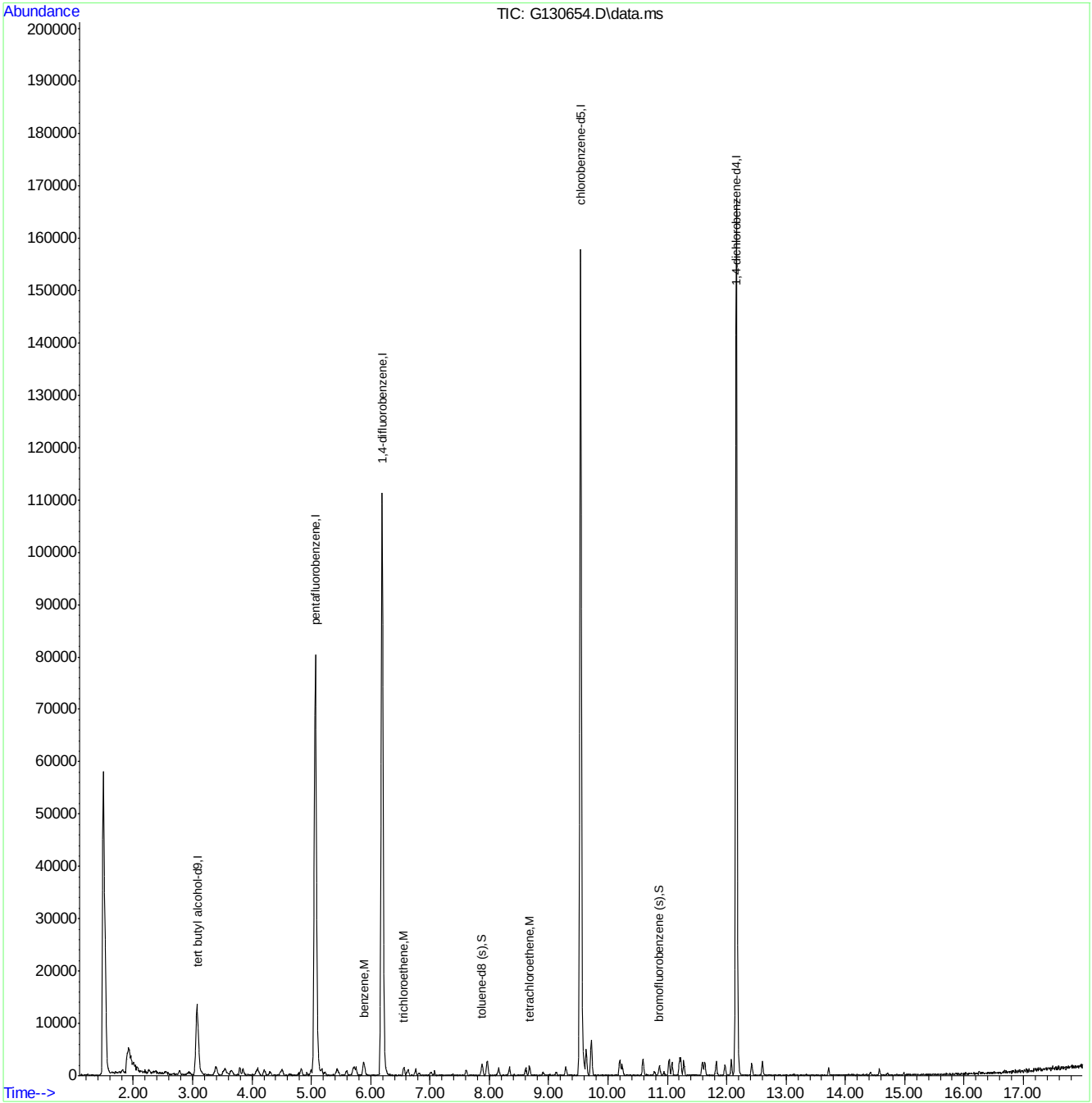
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130654.D
Acq On : 20 Aug 2013 12:31 pm
Operator : jaimem
Sample : ic5092-0.5
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 07:24:24 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:21:55 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/21/13 09:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130655.D
Acq On : 20 Aug 2013 1:00 pm
Operator : jaimem
Sample : ic5092-2
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 07:32:52 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:24:35 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.081	65	24067	500.00	ppb		0.00
4) pentafluorobenzene	5.070	168	75342	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	118467	50.00	ppb		0.00
66) chlorobenzene-d5	9.539	82	58593	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	53080	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.228	113	2288	2.11	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 4.22%#				
60) toluene-d8 (s)	7.877	98	8775	1.99	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 3.98%#				
82) bromofluorobenzene (s)	10.867	95	3476	1.89	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 3.78%#				
Target Compounds							Qvalue
5) dichlorodifluoromethane	1.648	85	2753m	1.43	ppb		
7) vinyl chloride	1.898	62	717m	2.18	ppb		
8) bromomethane	2.267	96	1285	2.21	ppb		94
12) trichlorofluoromethane	2.585	101	3335m	1.85	ppb		
15) 1,1-dichloroethene	3.087	96	2379	2.28	ppb		94
18) methylene chloride	3.531	84	2606	2.30	ppb	#	54
19) methyl tert butyl ether	3.659	73	5807	2.04	ppb		91
22) trans-1,2-dichloroethene	3.795	96	2420	2.25	ppb	#	80
28) di-isopropyl ether	4.090	45	6436	2.09	ppb		87
33) 1,1-dichloroethane	4.213	63	3896	2.26	ppb		93
34) tert-butyl ethyl ether	4.503	59	5974	2.02	ppb		77
37) cis-1,2-dichloroethene	4.831	96	2549	2.20	ppb		87
39) chloroform	4.997	83	4226	2.29	ppb		100
42) 1,1,1-trichloroethane	5.427	97	3263	2.05	ppb		87
45) carbon tetrachloride	5.706	117	3025	1.98	ppb		95
47) benzene	5.894	78	9887m	1.99	ppb		
48) 1,2-dichloroethane	5.873	62	3410	2.26	ppb		100
51) trichloroethene	6.560	95	2659	1.93	ppb		87
52) 1,2-dichloropropane	6.758	63	2388	2.26	ppb		92
54) bromodichloromethane	7.017	83	2583	1.86	ppb		84
59) cis-1,3-dichloropropene	7.610	75	3254	1.80	ppb		91
63) trans-1,3-dichloropropene	8.161	75	2740	1.76	ppb		86
64) 1,1,2-trichloroethane	8.336	83	1730	2.22	ppb		92
67) tetrachloroethene	8.679	166	2613	2.06	ppb		97
69) dibromochloromethane	8.904	129	1680	1.66	ppb		89
70) 1,2-dibromoethane	9.124	107	1974	2.04	ppb		80
72) chlorobenzene	9.580	112	7637	2.36	ppb		90
74) ethylbenzene	9.635	91	11579	2.14	ppb		95
75) m,p-xylene	9.719	106	8773	4.20	ppb		81
76) o-xylene	10.199	106	4188	2.06	ppb		80
84) 1,1,2,2-tetrachloroethane	10.781	83	2250	2.17	ppb		94
93) 1,3-dichlorobenzene	12.080	146	5755	2.32	ppb		85
95) 1,4-dichlorobenzene	12.196	146	5798	2.40	ppb		96
96) 1,2-dichlorobenzene	12.602	146	5214	2.22	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130655.D
Acq On : 20 Aug 2013 1:00 pm
Operator : jaimem
Sample : ic5092-2
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 07:32:52 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:24:35 2013
Response via : Initial Calibration

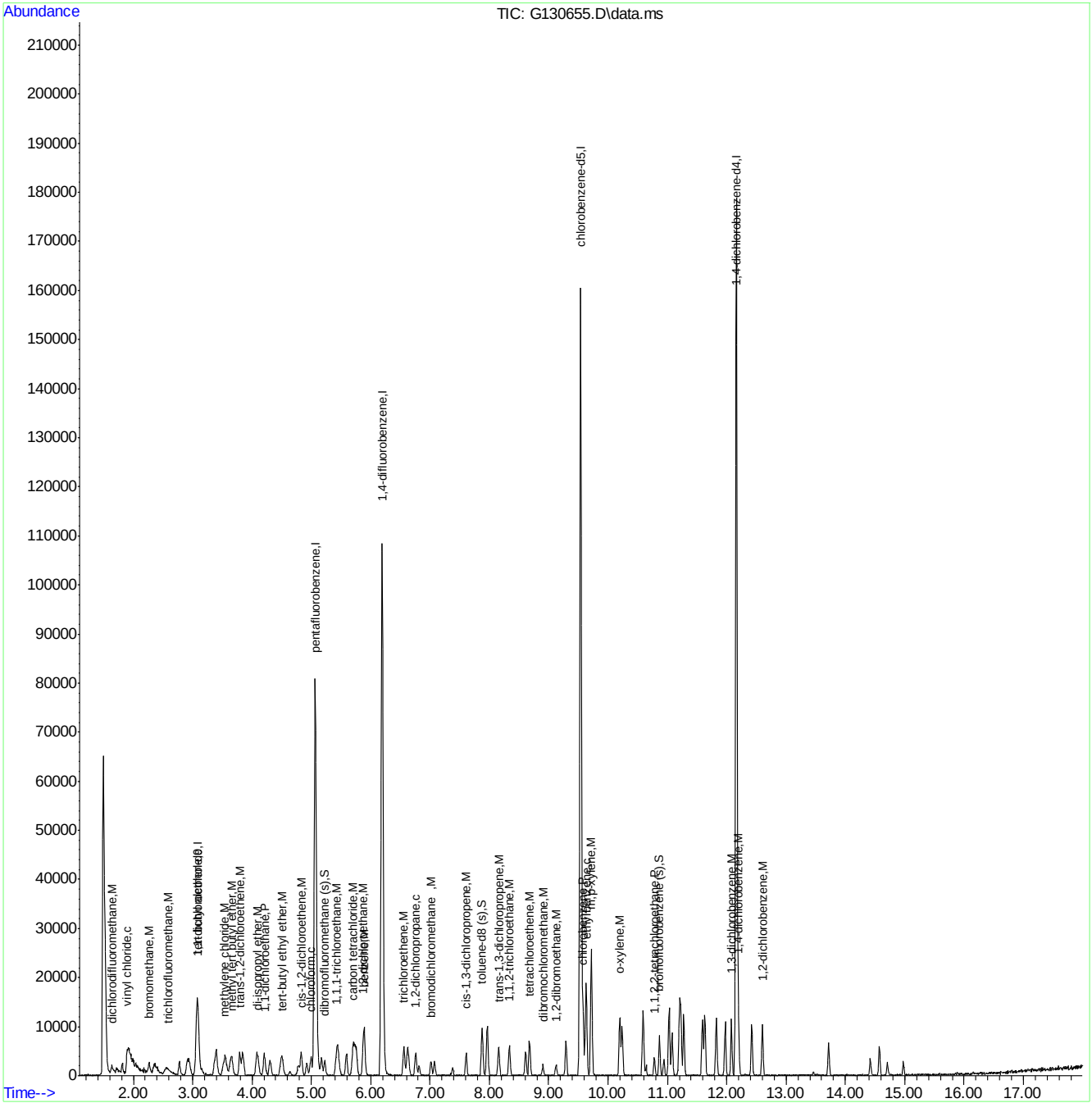
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130655.D
Acq On : 20 Aug 2013 1:00 pm
Operator : jaimem
Sample : ic5092-2
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 07:32:52 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:24:35 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/21/13 09:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130656.D
Acq On : 20 Aug 2013 1:29 pm
Operator : jaimem
Sample : ic5092-5
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 07:37:52 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:33:55 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.081	65	17618	500.00	ppb		0.00
4) pentafluorobenzene	5.071	168	74988	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	117570	50.00	ppb		0.00
66) chlorobenzene-d5	9.539	82	58785	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	53261	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.229	113	4873	4.52	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	9.04%#			
60) toluene-d8 (s)	7.878	98	17822	4.08	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	8.16%#			
82) bromofluorobenzene (s)	10.867	95	7502	4.14	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	8.28%#			
Target Compounds							Qvalue
5) dichlorodifluoromethane	1.646	85	6537m	3.98	ppb		
6) chloromethane	1.815	50	3475	5.25	ppb		94
7) vinyl chloride	1.907	62	1801	5.27	ppb		70
8) bromomethane	2.268	96	3034	4.98	ppb		91
9) chloroethane	2.339	64	2204	5.42	ppb		88
10) ethyl ether	2.778	59	2554	3.21	ppb		76
11) acetonitrile	3.411	41	6718	4.71	ppb		83
12) trichlorofluoromethane	2.589	101	7197m	4.16	ppb		
13) freon-113	2.926	101	4518	3.87	ppb		78
15) 1,1-dichloroethene	3.088	96	3957	3.56	ppb	#	78
16) acetone	2.959	58	450m	2.98	ppb		
17) Methyl Acetate	3.370	43	5266	5.13	ppb	#	81
18) methylene chloride	3.532	84	6008	4.96	ppb		85
19) methyl tert butyl ether	3.659	73	13391	4.68	ppb		84
21) allyl chloride	3.411	41	6718	4.71	ppb		77
22) trans-1,2-dichloroethene	3.798	96	5460	4.80	ppb		97
23) iodomethane	3.386	142	9781	5.20	ppb		90
24) carbon disulfide	3.586	76	15173	4.64	ppb		99
25) propionitrile	4.717	54	557m	4.77	ppb		
26) vinyl acetate	4.206	43	8785	4.75	ppb		100
27) chloroprene	4.306	53	7024	4.77	ppb		93
28) di-isopropyl ether	4.091	45	14990	4.78	ppb		73
29) methacrylonitrile	4.926	41	3050	4.91	ppb		72
30) 2-butanone	4.639	72	596m	4.54	ppb		
31) Ethyl Acetate	4.806	43	619m	4.83	ug/L		
32) Hexane	3.845	41	5287	5.41	ppb		89
33) 1,1-dichloroethane	4.214	63	8965	4.91	ppb		86
34) tert-butyl ethyl ether	4.503	59	13927	4.71	ppb		88
35) isobutyl alcohol	4.953	43	814m	23.78	ppb		
36) 2,2-dichloropropane	4.791	77	5563	5.04	ppb		95
37) cis-1,2-dichloroethene	4.833	96	5860	4.84	ppb	#	82
38) bromochloromethane	5.174	128	2649	5.12	ppb	#	75
39) chloroform	4.999	83	9696	4.92	ppb		95
42) 1,1,1-trichloroethane	5.430	97	7768	4.85	ppb		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130656.D
Acq On : 20 Aug 2013 1:29 pm
Operator : jaimem
Sample : ic5092-5
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 07:37:52 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:33:55 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	Cyclohexane	5.448	56	9003	5.14	ppb	#	78
45)	carbon tetrachloride	5.709	117	7251	4.81	ppb		98
46)	1,1-dichloropropene	5.593	75	7847	5.06	ppb		94
47)	benzene	5.893	78	22654	4.61	ppb		96
48)	1,2-dichloroethane	5.873	62	7805	4.89	ppb		93
49)	tert-amyl methyl ether	5.718	73	12900	4.59	ppb		87
50)	heptane	5.742	43	10761	5.05	ppb		79
51)	trichloroethene	6.560	95	6464	4.78	ppb		89
52)	1,2-dichloropropane	6.758	63	5412	4.85	ppb		95
54)	bromodichloromethane	7.016	83	6246	4.70	ppb		99
55)	Methylcyclohexane	6.629	83	8848	5.01	ppb		84
56)	2-chloroethyl vinyl ether	7.348	63	333m	2.51	ppb		
57)	methyl methacrylate	6.816	69	2647	4.48	ppb	#	64
59)	cis-1,3-dichloropropene	7.610	75	7708	4.52	ppb		97
61)	4-methyl-2-pentanone	7.380	43	3626	4.35	ppb	#	82
62)	toluene	7.965	92	13739	5.07	ppb		94
63)	trans-1,3-dichloropropene	8.162	75	6705	4.62	ppb		99
64)	1,1,2-trichloroethane	8.335	83	4179	5.12	ppb		85
65)	ethyl methacrylate	8.149	69	4471	4.02	ppb		78
67)	tetrachloroethene	8.678	166	5929	4.61	ppb		94
68)	1,3-dichloropropane	8.612	76	8054	5.23	ppb		92
69)	dibromochloromethane	8.904	129	4338	4.66	ppb		95
70)	1,2-dibromoethane	9.124	107	4564	4.65	ppb		98
71)	2-hexanone	8.345	43	2888	4.44	ppb	#	61
72)	chlorobenzene	9.580	112	17243	4.87	ppb		95
73)	1,1,1,2-tetrachloroethane	9.627	131	5122	4.61	ppb		96
74)	ethylbenzene	9.636	91	27069	4.82	ppb		93
75)	m,p-xylene	9.719	106	21107	9.82	ppb		83
76)	o-xylene	10.199	106	9371	4.52	ppb	#	72
77)	styrene	10.237	104	14696	4.43	ppb		91
78)	bromoform	10.611	173	2181	4.09	ppb		95
79)	trans-1,4-dichloro-2-b...	10.645	53	1242	3.85	ppb		97
81)	isopropylbenzene	10.590	105	25074	4.76	ppb		94
83)	bromobenzene	11.080	156	6840	5.32	ppb		88
84)	1,1,2,2-tetrachloroethane	10.782	83	5299	4.89	ppb		86
85)	1,2,3-trichloropropane	10.942	75	4475	5.14	ppb		94
86)	n-propylbenzene	11.029	91	30560	4.95	ppb		95
87)	2-chlorotoluene	11.224	91	22615	5.16	ppb		88
88)	4-chlorotoluene	11.277	91	20145	5.29	ppb		86
89)	1,3,5-trimethylbenzene	11.203	105	21095	4.75	ppb		97
90)	tert-butylbenzene	11.598	91	14552	4.81	ppb	#	77
91)	1,2,4-trimethylbenzene	11.633	105	21366	4.79	ppb		98
92)	sec-butylbenzene	11.825	105	25791	4.80	ppb		100
93)	1,3-dichlorobenzene	12.080	146	13166	4.90	ppb		93
94)	p-isopropyltoluene	11.975	119	19040	4.56	ppb		95
95)	1,4-dichlorobenzene	12.197	146	13105	4.92	ppb		93
96)	1,2-dichlorobenzene	12.603	146	11982	4.82	ppb		91
97)	n-butylbenzene	12.423	91	17777	4.47	ppb		93
98)	1,2-dibromo-3-chloropr...	13.460	75	662m	4.26	ppb		
100)	1,2,4-trichlorobenzene	14.421	180	4134	3.15	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130656.D
Acq On : 20 Aug 2013 1:29 pm
Operator : jaimem
Sample : ic5092-5
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 07:37:52 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:33:55 2013
Response via : Initial Calibration

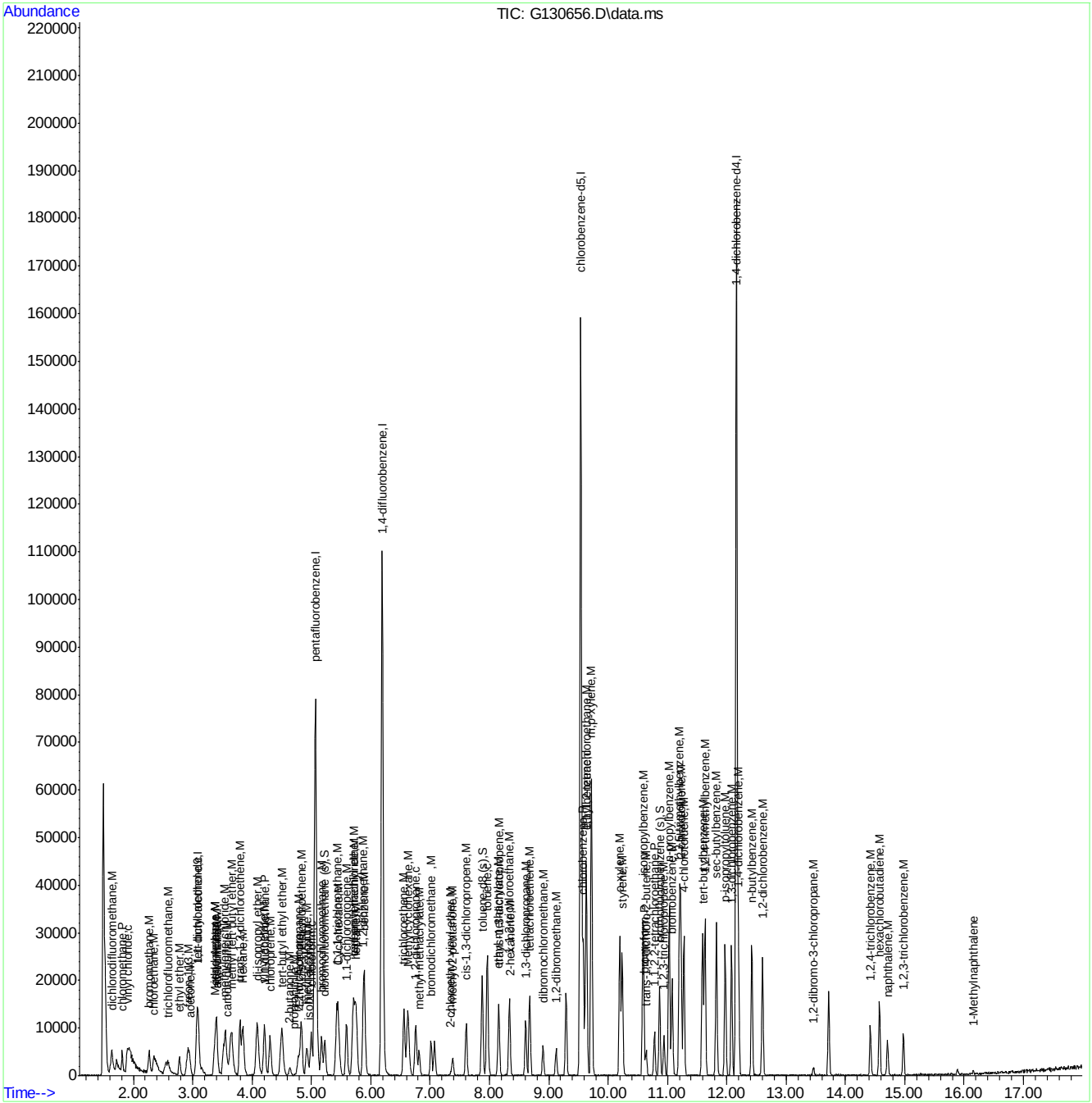
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) hexachlorobutadiene	14.573	225	3811	5.06	ppb	84
102) naphthalene	14.709	128	7292	2.77	ppb	100
104) 1-Methylnaphthalene	16.155	142	427m	0.98	ug/L	
105) 1,2,3-trichlorobenzene	14.979	180	3534	3.36	ppb	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130656.D
Acq On : 20 Aug 2013 1:29 pm
Operator : jaimem
Sample : ic5092-5
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 07:37:52 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:33:55 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/21/13 09:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130657.D
Acq On : 20 Aug 2013 1:56 pm
Operator : jaimem
Sample : ic5092-25
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 07:39:32 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:38:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.082	65	23670	500.00	ppb		0.00
4) pentafluorobenzene	5.071	168	74847	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	117275	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	59063	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	55205	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	25791	25.17	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 50.34%#				
60) toluene-d8 (s)	7.878	98	93290	22.44	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 44.88%#				
82) bromofluorobenzene (s)	10.867	95	37621	20.93	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 41.86%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.157	59	16088	253.62	ppb		92
3) Ethanol	2.441	45	12675	2604.66	ppb		94
5) dichlorodifluoromethane	1.647	85	27049m	17.69	ppb		
6) chloromethane	1.826	50	15173	22.40	ppb		96
7) vinyl chloride	1.917	62	8768	25.25	ppb		92
8) bromomethane	2.272	96	13379	22.03	ppb		95
9) chloroethane	2.341	64	10051	23.77	ppb		87
10) ethyl ether	2.782	59	18377	28.20	ppb		78
11) acetonitrile	3.418	41	35434	25.64	ppb		95
12) trichlorofluoromethane	2.606	101	44131m	27.09	ppb		
13) freon-113	2.933	101	30298	29.31	ppb		89
14) acrolein	2.903	56	8354	121.71	ppb		98
15) 1,1-dichloroethene	3.091	96	25273	25.21	ppb		96
16) acetone	2.961	58	3468	28.82	ppb		92
17) Methyl Acetate	3.372	43	24904	23.99	ppb	#	81
18) methylene chloride	3.534	84	27719	22.99	ppb	#	81
19) methyl tert butyl ether	3.663	73	67749	24.22	ppb		91
20) acrylonitrile	3.635	53	8262	24.47	ppb		99
21) allyl chloride	3.418	41	35434	25.64	ppb		87
22) trans-1,2-dichloroethene	3.800	96	26366	23.54	ppb		96
23) iodomethane	3.387	142	46446	24.26	ppb		92
24) carbon disulfide	3.592	76	77036	24.49	ppb		99
25) propionitrile	4.718	54	2732	23.98	ppb		100
26) vinyl acetate	4.209	43	44703	24.83	ppb		93
27) chloroprene	4.308	53	35803	24.93	ppb		83
28) di-isopropyl ether	4.094	45	74612	24.19	ppb		89
29) methacrylonitrile	4.927	41	15110	24.59	ppb		61
30) 2-butanone	4.639	72	2985	23.88	ppb	#	71
31) Ethyl Acetate	4.807	43	3269	26.01	ug/L	#	65
32) Hexane	3.849	41	24708	24.34	ppb		97
33) 1,1-dichloroethane	4.217	63	42267	23.33	ppb		97
34) tert-butyl ethyl ether	4.506	59	70996	24.51	ppb		93
35) isobutyl alcohol	4.952	43	3947	118.41	ppb		82
36) 2,2-dichloropropane	4.794	77	26327	23.81	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130657.D
Acq On : 20 Aug 2013 1:56 pm
Operator : jaimem
Sample : ic5092-25
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 07:39:32 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:38:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.834	96	28138	23.54	ppb		91
38) bromochloromethane	5.175	128	12553	24.02	ppb	#	78
39) chloroform	5.000	83	45314	23.15	ppb		99
41) Tetrahydrofuran	5.218	42	5055	23.85	ppb		87
42) 1,1,1-trichloroethane	5.432	97	37683	23.79	ppb		92
44) Cyclohexane	5.449	56	42659	24.09	ppb	#	72
45) carbon tetrachloride	5.710	117	36027	24.26	ppb		91
46) 1,1-dichloropropene	5.594	75	37430	24.06	ppb		96
47) benzene	5.895	78	104159	21.67	ppb		98
48) 1,2-dichloroethane	5.874	62	37547	23.77	ppb		100
49) tert-amyl methyl ether	5.719	73	64516	23.99	ppb		86
50) heptane	5.742	43	51817	24.26	ppb		81
51) trichloroethene	6.562	95	29361	22.02	ppb		86
52) 1,2-dichloropropane	6.759	63	25913	23.51	ppb		100
53) dibromomethane	7.076	93	14917	24.27	ppb		89
54) bromodichloromethane	7.018	83	32239	24.83	ppb		97
55) Methylcyclohexane	6.629	83	42781	24.26	ppb	#	84
56) 2-chloroethyl vinyl ether	7.349	63	2525	25.41	ppb	#	47
57) methyl methacrylate	6.817	69	13705	24.52	ppb	#	69
58) 1,4-dioxane	7.053	88	890m	99.14	ppb		
59) cis-1,3-dichloropropene	7.610	75	41914	25.47	ppb		92
61) 4-methyl-2-pentanone	7.379	43	18516	23.81	ppb		81
62) toluene	7.965	92	65458	24.04	ppb		96
63) trans-1,3-dichloropropene	8.162	75	36269	25.72	ppb		96
64) 1,1,2-trichloroethane	8.335	83	18673	22.75	ppb		84
65) ethyl methacrylate	8.149	69	25326	25.30	ppb		77
67) tetrachloroethene	8.678	166	27752	21.92	ppb		98
68) 1,3-dichloropropane	8.612	76	37982	23.99	ppb		99
69) dibromochloromethane	8.905	129	23102	25.29	ppb		99
70) 1,2-dibromoethane	9.124	107	23317	24.22	ppb		97
71) 2-hexanone	8.343	43	14483	23.49	ppb		97
72) chlorobenzene	9.580	112	80053	22.70	ppb		96
73) 1,1,1,2-tetrachloroethane	9.627	131	26595	24.80	ppb		96
74) ethylbenzene	9.635	91	132276	23.73	ppb		93
75) m,p-xylene	9.719	106	104002	48.45	ppb		90
76) o-xylene	10.199	106	48859	24.24	ppb	#	80
77) styrene	10.237	104	78917	25.11	ppb		87
78) bromoform	10.611	173	11660	23.95	ppb		98
79) trans-1,4-dichloro-2-b...	10.643	53	7122	24.81	ppb		84
81) isopropylbenzene	10.590	105	133064	24.98	ppb		96
83) bromobenzene	11.080	156	32904	23.93	ppb		90
84) 1,1,2,2-tetrachloroethane	10.781	83	26199	23.50	ppb		93
85) 1,2,3-trichloropropane	10.942	75	21715	23.73	ppb		99
86) n-propylbenzene	11.029	91	156423	24.56	ppb		94
87) 2-chlorotoluene	11.223	91	111435	24.15	ppb		90
88) 4-chlorotoluene	11.276	91	99080	24.40	ppb		88
89) 1,3,5-trimethylbenzene	11.202	105	110791	24.68	ppb		97
90) tert-butylbenzene	11.597	91	75464	24.53	ppb		84
91) 1,2,4-trimethylbenzene	11.633	105	110898	24.50	ppb		98
92) sec-butylbenzene	11.825	105	132503	24.29	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130657.D
Acq On : 20 Aug 2013 1:56 pm
Operator : jaimem
Sample : ic5092-25
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 07:39:32 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:38:17 2013
Response via : Initial Calibration

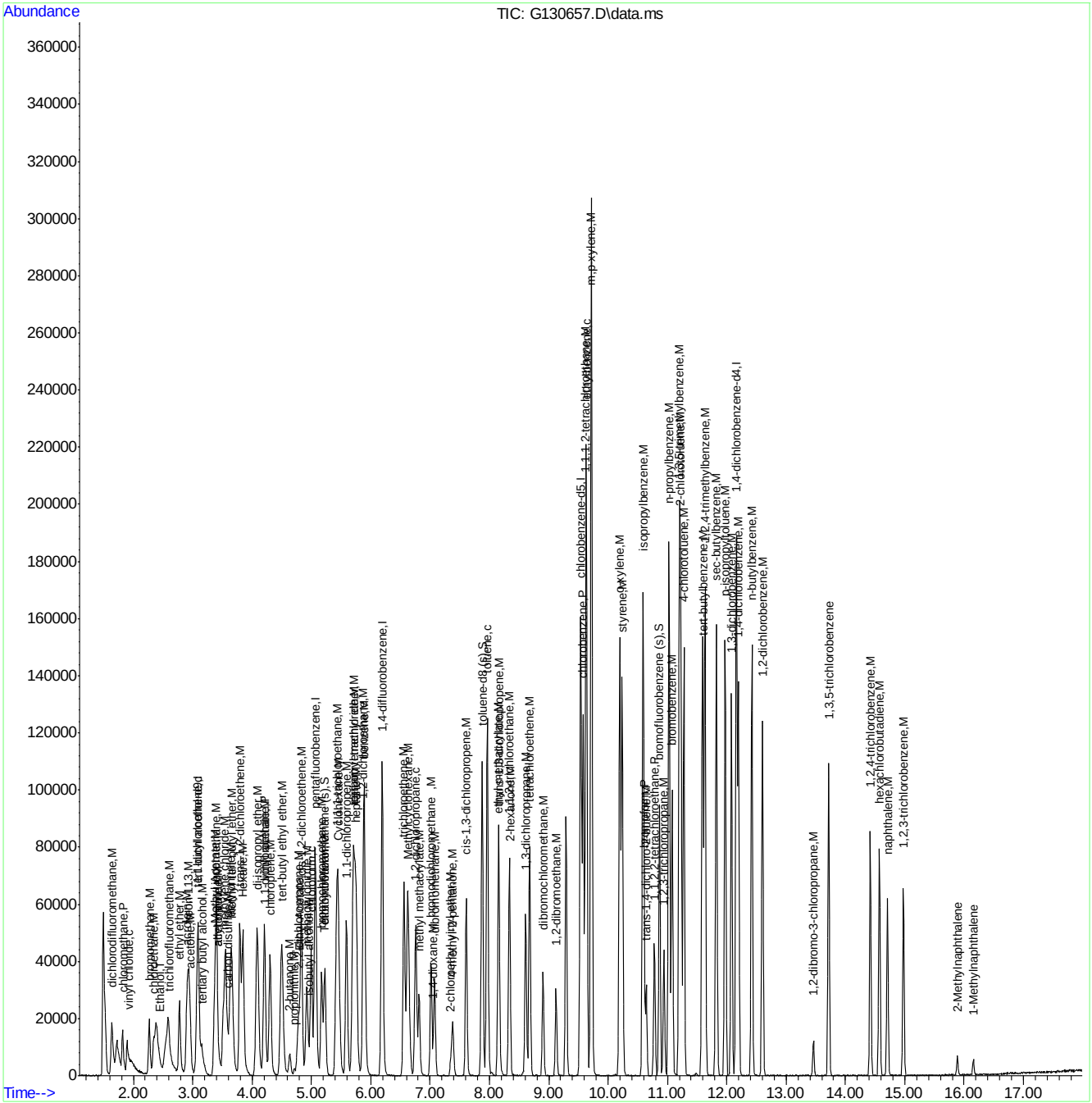
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	63161	22.83	ppb		96
94)	p-isopropyltoluene	11.974	119	102401	24.76	ppb		95
95)	1,4-dichlorobenzene	12.197	146	61588	22.42	ppb		96
96)	1,2-dichlorobenzene	12.602	146	58771	23.08	ppb		97
97)	n-butylbenzene	12.423	91	96934	24.82	ppb		94
98)	1,2-dibromo-3-chloropr...	13.460	75	3424	22.97	ppb	#	62
99)	1,3,5-trichlorobenzene	13.718	180	38064	23.13	ug/L		99
100)	1,2,4-trichlorobenzene	14.420	180	29253	26.39	ppb		96
101)	hexachlorobutadiene	14.573	225	18147	23.10	ppb		97
102)	naphthalene	14.708	128	55782	26.31	ppb		100
103)	2-Methylnaphthalene	15.888	142	4260	9.39	ug/L		93
104)	1-Methylnaphthalene	16.156	142	3384	10.73	ug/L		93
105)	1,2,3-trichlorobenzene	14.978	180	23098	25.33	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130657.D
Acq On : 20 Aug 2013 1:56 pm
Operator : jaimem
Sample : ic5092-25
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 07:39:32 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:38:17 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/21/13 09:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130658.D
Acq On : 20 Aug 2013 2:24 pm
Operator : jaimem
Sample : icc5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 21 07:41:30 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:40:06 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.083	65	25590	500.00	ppb		0.00
4) pentafluorobenzene	5.070	168	75609	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.194	114	118097	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	59041	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	55780	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	54377	52.41	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.82%				
60) toluene-d8 (s)	7.878	98	203305	49.58	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.16%				
82) bromofluorobenzene (s)	10.867	95	80863	46.02	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.04%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.160	59	34290	496.41	ppb		97
3) Ethanol	2.447	45	26305	4897.48	ppb		98
5) dichlorodifluoromethane	1.645	85	56847m	39.70	ppb		
6) chloromethane	1.825	50	33389	50.55	ppb		93
7) vinyl chloride	1.914	62	16469	46.83	ppb		86
8) bromomethane	2.275	96	29173	49.02	ppb		97
9) chloroethane	2.338	64	20488	48.77	ppb		83
10) ethyl ether	2.785	59	40087	58.40	ppb		79
11) acetonitrile	3.415	41	71863	51.04	ppb		90
12) trichlorofluoromethane	2.605	101	88030m	52.40	ppb		
13) freon-113	2.930	101	60748m	55.01	ppb		
14) acrolein	2.902	56	17335	253.34	ppb		100
15) 1,1-dichloroethene	3.093	96	52334	51.57	ppb		95
16) acetone	2.962	58	7618	59.63	ppb	#	86
17) Methyl Acetate	3.373	43	51775	50.04	ppb	#	76
18) methylene chloride	3.532	84	56777	47.56	ppb	#	78
19) methyl tert butyl ether	3.662	73	143076	51.04	ppb		89
20) acrylonitrile	3.634	53	17057	50.54	ppb		92
21) allyl chloride	3.415	41	71863	51.04	ppb		79
22) trans-1,2-dichloroethene	3.799	96	53956	48.39	ppb		93
23) iodomethane	3.385	142	94784	49.50	ppb		87
24) carbon disulfide	3.591	76	164734	52.20	ppb		100
25) propionitrile	4.719	54	5891	51.90	ppb		100
26) vinyl acetate	4.208	43	93312	51.42	ppb		94
27) chloroprene	4.308	53	74275	51.24	ppb		81
28) di-isopropyl ether	4.093	45	154756	50.07	ppb		89
29) methacrylonitrile	4.928	41	31314	50.73	ppb		61
30) 2-butanone	4.638	72	6619	53.21	ppb	#	51
31) Ethyl Acetate	4.807	43	6455	50.17	ug/L	#	65
32) Hexane	3.848	41	49251	48.45	ppb	#	93
33) 1,1-dichloroethane	4.217	63	86328	47.98	ppb		97
34) tert-butyl ethyl ether	4.505	59	148576	51.03	ppb		91
35) isobutyl alcohol	4.954	43	8629	260.84	ppb		85
36) 2,2-dichloropropane	4.792	77	55605	50.59	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130658.D
Acq On : 20 Aug 2013 2:24 pm
Operator : jaimem
Sample : icc5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 21 07:41:30 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:40:06 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.834	96	58113	48.83	ppb		87
38) bromochloromethane	5.175	128	26086	50.06	ppb	#	81
39) chloroform	4.999	83	92788	47.81	ppb		99
41) Tetrahydrofuran	5.216	42	10707	51.18	ppb		76
42) 1,1,1-trichloroethane	5.433	97	79784	50.48	ppb		91
44) Cyclohexane	5.449	56	87903	49.90	ppb	#	78
45) carbon tetrachloride	5.709	117	76134	51.28	ppb		96
46) 1,1-dichloropropene	5.594	75	77811	50.31	ppb		95
47) benzene	5.894	78	212166	45.02	ppb		96
48) 1,2-dichloroethane	5.874	62	75263	47.90	ppb		99
49) tert-amyl methyl ether	5.723	73	141252	52.87	ppb		92
50) heptane	5.741	43	106971	50.23	ppb		79
51) trichloroethene	6.561	95	61278	46.76	ppb		88
52) 1,2-dichloropropane	6.758	63	52604	48.11	ppb		99
53) dibromomethane	7.076	93	30949	50.74	ppb		92
54) bromodichloromethane	7.017	83	69034	52.88	ppb		98
55) Methylcyclohexane	6.630	83	88699	50.45	ppb	#	78
56) 2-chloroethyl vinyl ether	7.348	63	6663	66.22	ppb		92
57) methyl methacrylate	6.817	69	29690	53.09	ppb	#	67
58) 1,4-dioxane	7.055	88	2260	278.84	ppb		87
59) cis-1,3-dichloropropene	7.610	75	90049	54.09	ppb		96
61) 4-methyl-2-pentanone	7.378	43	41897	54.36	ppb		81
62) toluene	7.965	92	136159	50.31	ppb		98
63) trans-1,3-dichloropropene	8.162	75	77400	54.11	ppb		92
64) 1,1,2-trichloroethane	8.335	83	38915	48.16	ppb		92
65) ethyl methacrylate	8.149	69	55909	55.24	ppb	#	72
67) tetrachloroethene	8.678	166	56717	45.94	ppb		97
68) 1,3-dichloropropane	8.611	76	77363	49.55	ppb		97
69) dibromochloromethane	8.904	129	51100	55.79	ppb		99
70) 1,2-dibromoethane	9.124	107	48785	51.09	ppb		96
71) 2-hexanone	8.343	43	32630	54.03	ppb		93
72) chlorobenzene	9.580	112	163305	47.41	ppb		93
73) 1,1,1,2-tetrachloroethane	9.626	131	55762	52.15	ppb		97
74) ethylbenzene	9.635	91	272385	49.51	ppb		94
75) m,p-xylene	9.719	106	210701	98.96	ppb		90
76) o-xylene	10.198	106	102646	51.33	ppb		85
77) styrene	10.236	104	166564	52.94	ppb		88
78) bromoform	10.610	173	26761	55.77	ppb		99
79) trans-1,4-dichloro-2-b...	10.643	53	16217	56.66	ppb		86
81) isopropylbenzene	10.589	105	275600	51.22	ppb		98
83) bromobenzene	11.080	156	67274	49.13	ppb		89
84) 1,1,2,2-tetrachloroethane	10.781	83	54372	49.00	ppb		91
85) 1,2,3-trichloropropane	10.941	75	45611	50.17	ppb		98
86) n-propylbenzene	11.028	91	323431	50.56	ppb		95
87) 2-chlorotoluene	11.223	91	229375	49.76	ppb		91
88) 4-chlorotoluene	11.277	91	199372	48.98	ppb		89
89) 1,3,5-trimethylbenzene	11.202	105	232673	51.52	ppb		95
90) tert-butylbenzene	11.597	91	158401	51.28	ppb		82
91) 1,2,4-trimethylbenzene	11.632	105	233566	51.41	ppb		93
92) sec-butylbenzene	11.825	105	281169	51.49	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130658.D
Acq On : 20 Aug 2013 2:24 pm
Operator : jaimem
Sample : icc5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 21 07:41:30 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:40:06 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	130173	47.60	ppb		94
94)	p-isopropyltoluene	11.974	119	218446	52.44	ppb		96
95)	1,4-dichlorobenzene	12.196	146	126812	46.89	ppb		97
96)	1,2-dichlorobenzene	12.602	146	123511	48.94	ppb		97
97)	n-butylbenzene	12.422	91	208457	52.95	ppb		93
98)	1,2-dibromo-3-chloropr...	13.460	75	8129	55.47	ppb	#	64
99)	1,3,5-trichlorobenzene	13.717	180	83156	51.95	ug/L		99
100)	1,2,4-trichlorobenzene	14.420	180	68718	60.23	ppb		96
101)	hexachlorobutadiene	14.573	225	39460	51.01	ppb		98
102)	naphthalene	14.708	128	137829	63.24	ppb		100
103)	2-Methylnaphthalene	15.887	142	11454	28.55	ug/L		98
104)	1-Methylnaphthalene	16.154	142	8754m	28.84	ug/L		
105)	1,2,3-trichlorobenzene	14.978	180	55122	59.57	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

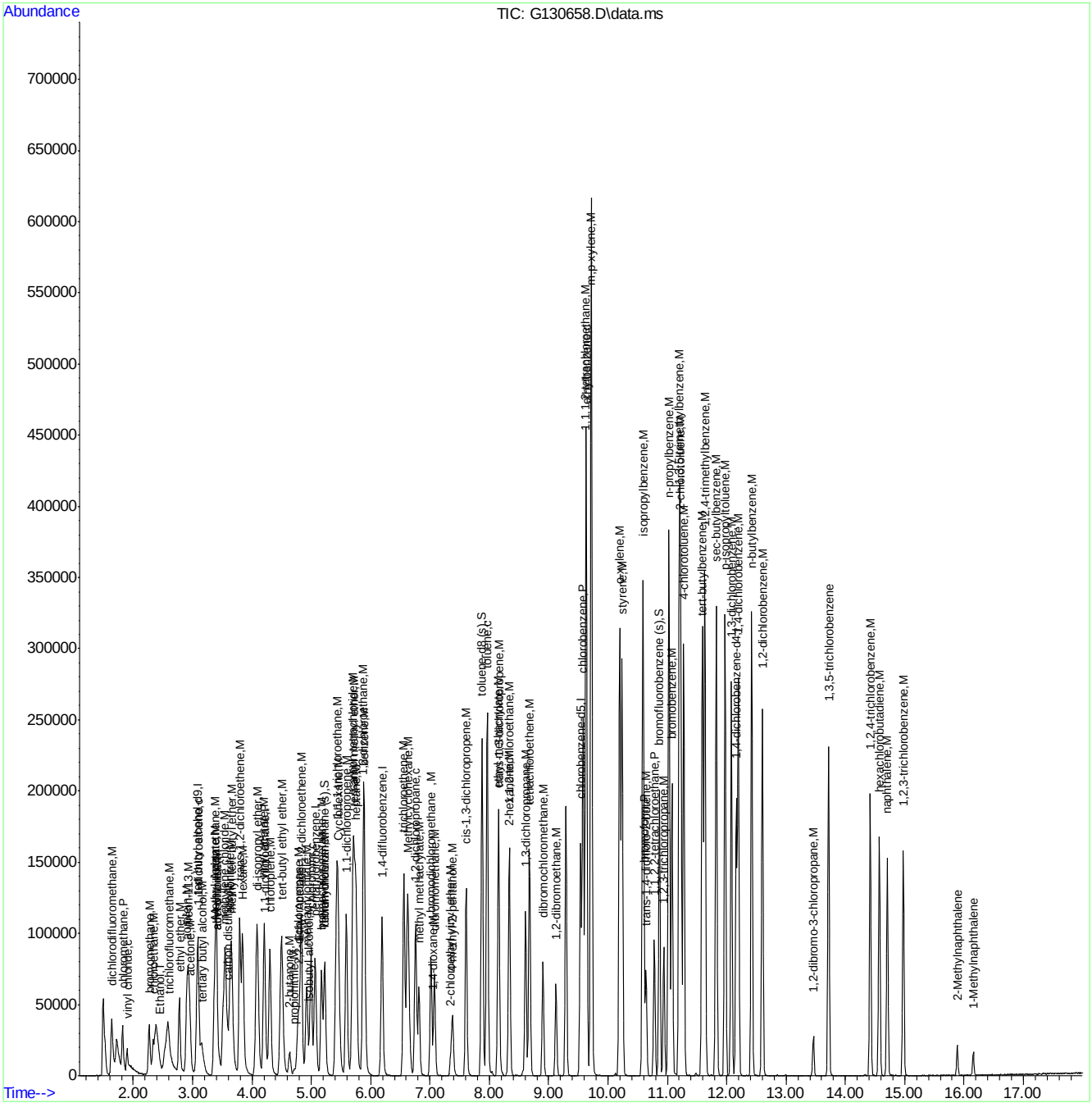
7.6.5

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130658.D
Acq On : 20 Aug 2013 2:24 pm
Operator : jaimem
Sample : icc5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 21 07:41:30 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:40:06 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/21/13 09:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130659.D
Acq On : 20 Aug 2013 2:52 pm
Operator : jaimem
Sample : ic5092-100
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 07:42:56 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:41:42 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.086	65	25099	500.00	ppb		0.00
4) pentafluorobenzene	5.070	168	76845	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.194	114	120192	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	60312	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	56819	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.231	113	107908	102.34	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 204.68%#				
60) toluene-d8 (s)	7.878	98	396741	95.06	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 190.12%#				
82) bromofluorobenzene (s)	10.867	95	161287	90.12	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 180.24%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.161	59	69974	1032.82	ppb		93
3) Ethanol	2.450	45	56716	10765.99	ppb		99
5) dichlorodifluoromethane	1.647	85	113029m	90.24	ppb		
6) chloromethane	1.829	50	66180	98.58	ppb		98
7) vinyl chloride	1.916	62	31008	86.76	ppb		98
8) bromomethane	2.284	96	52984	87.59	ppb		95
9) chloroethane	2.339	64	40576	95.03	ppb		82
10) ethyl ether	2.786	59	76913	110.24	ppb		74
11) acetonitrile	3.416	41	138206	96.58	ppb		88
12) trichlorofluoromethane	2.609	101	166952m	98.53	ppb		
13) freon-113	2.932	101	121524m	107.07	ppb		
14) acrolein	2.904	56	35690	513.19	ppb		98
15) 1,1-dichloroethene	3.096	96	102421	99.30	ppb		95
16) acetone	2.963	58	15258	117.52	ppb		86
17) Methyl Acetate	3.371	43	100334m	95.42	ppb		
18) methylene chloride	3.534	84	108351	89.31	ppb	#	74
19) methyl tert butyl ether	3.663	73	283254	99.42	ppb		89
20) acrylonitrile	3.635	53	33653	98.11	ppb		93
21) allyl chloride	3.416	41	140586	98.25	ppb		75
22) trans-1,2-dichloroethene	3.800	96	104910	92.58	ppb		92
23) iodomethane	3.386	142	185982	95.56	ppb		86
24) carbon disulfide	3.593	76	325571	101.51	ppb		98
25) propionitrile	4.719	54	11827	102.52	ppb		100
26) vinyl acetate	4.207	43	186429	101.08	ppb		94
27) chloroprene	4.311	53	148737	100.96	ppb		85
28) di-isopropyl ether	4.093	45	306105	97.45	ppb		90
29) methacrylonitrile	4.929	41	61776	98.47	ppb		67
30) 2-butanone	4.638	72	14257	112.77	ppb	#	68
31) Ethyl Acetate	4.806	43	11965	91.49	ug/L	#	98
32) Hexane	3.848	41	95592	92.53	ppb	#	96
33) 1,1-dichloroethane	4.217	63	167339	91.51	ppb		97
34) tert-butyl ethyl ether	4.506	59	297981	100.70	ppb		89
35) isobutyl alcohol	4.957	43	17417	518.03	ppb		100
36) 2,2-dichloropropane	4.794	77	107141	95.90	ppb		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130659.D
Acq On : 20 Aug 2013 2:52 pm
Operator : jaimem
Sample : ic5092-100
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 07:42:56 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:41:42 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.834	96	113768	94.07	ppb		88
38) bromochloromethane	5.176	128	51095	96.49	ppb	#	80
39) chloroform	5.000	83	180352	91.44	ppb		100
41) Tetrahydrofuran	5.216	42	21883	102.92	ppb		76
42) 1,1,1-trichloroethane	5.434	97	156642	97.51	ppb		91
44) Cyclohexane	5.449	56	174434	97.29	ppb	#	78
45) carbon tetrachloride	5.710	117	150983	99.93	ppb		100
46) 1,1-dichloropropene	5.595	75	152842	97.09	ppb		94
47) benzene	5.894	78	412329	85.98	ppb		97
48) 1,2-dichloroethane	5.875	62	147759	92.40	ppb		99
49) tert-amyl methyl ether	5.723	73	283409	104.23	ppb		92
50) heptane	5.742	43	211057	97.38	ppb		82
51) trichloroethene	6.561	95	119265	89.41	ppb		85
52) 1,2-dichloropropane	6.759	63	103522	93.03	ppb		97
53) dibromomethane	7.076	93	61759	99.49	ppb		92
54) bromodichloromethane	7.018	83	140775	105.96	ppb		98
55) Methylcyclohexane	6.630	83	177604	99.25	ppb	#	81
56) 2-chloroethyl vinyl ether	7.348	63	15815	154.43	ppb		92
57) methyl methacrylate	6.817	69	60440	106.20	ppb	#	69
58) 1,4-dioxane	7.054	88	4813	583.48	ppb		72
59) cis-1,3-dichloropropene	7.610	75	181980	107.40	ppb		95
61) 4-methyl-2-pentanone	7.378	43	84728	108.01	ppb		81
62) toluene	7.965	92	265876	96.52	ppb		99
63) trans-1,3-dichloropropene	8.162	75	156343	107.39	ppb		95
64) 1,1,2-trichloroethane	8.336	83	76371	92.86	ppb		93
65) ethyl methacrylate	8.149	69	114762	111.41	ppb	#	72
67) tetrachloroethene	8.678	166	109989	87.22	ppb		96
68) 1,3-dichloropropane	8.612	76	154549	96.90	ppb		98
69) dibromochloromethane	8.905	129	107361	114.75	ppb		98
70) 1,2-dibromoethane	9.124	107	97286	99.74	ppb		98
71) 2-hexanone	8.342	43	63854	103.50	ppb		91
72) chlorobenzene	9.581	112	323349	91.89	ppb		92
73) 1,1,1,2-tetrachloroethane	9.627	131	112858	103.33	ppb		96
74) ethylbenzene	9.635	91	537343	95.61	ppb		94
75) m,p-xylene	9.720	106	413238	190.01	ppb		89
76) o-xylene	10.198	106	205522	100.61	ppb		87
77) styrene	10.237	104	331558	103.16	ppb		89
78) bromoform	10.611	173	57351	117.00	ppb		98
79) trans-1,4-dichloro-2-b...	10.644	53	33426	114.33	ppb		84
81) isopropylbenzene	10.590	105	543658	99.19	ppb		97
83) bromobenzene	11.080	156	133899	95.99	ppb		91
84) 1,1,2,2-tetrachloroethane	10.782	83	108515	96.01	ppb		96
85) 1,2,3-trichloropropane	10.942	75	88849	95.95	ppb		99
86) n-propylbenzene	11.029	91	638786	98.03	ppb		93
87) 2-chlorotoluene	11.224	91	444328	94.63	ppb		90
88) 4-chlorotoluene	11.277	91	400964	96.70	ppb		89
89) 1,3,5-trimethylbenzene	11.203	105	460198	100.03	ppb		94
90) tert-butylbenzene	11.598	91	311549	99.02	ppb		82
91) 1,2,4-trimethylbenzene	11.633	105	465363	100.56	ppb		95
92) sec-butylbenzene	11.825	105	554395	99.68	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130659.D
Acq On : 20 Aug 2013 2:52 pm
Operator : jaimem
Sample : ic5092-100
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 07:42:56 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:41:42 2013
Response via : Initial Calibration

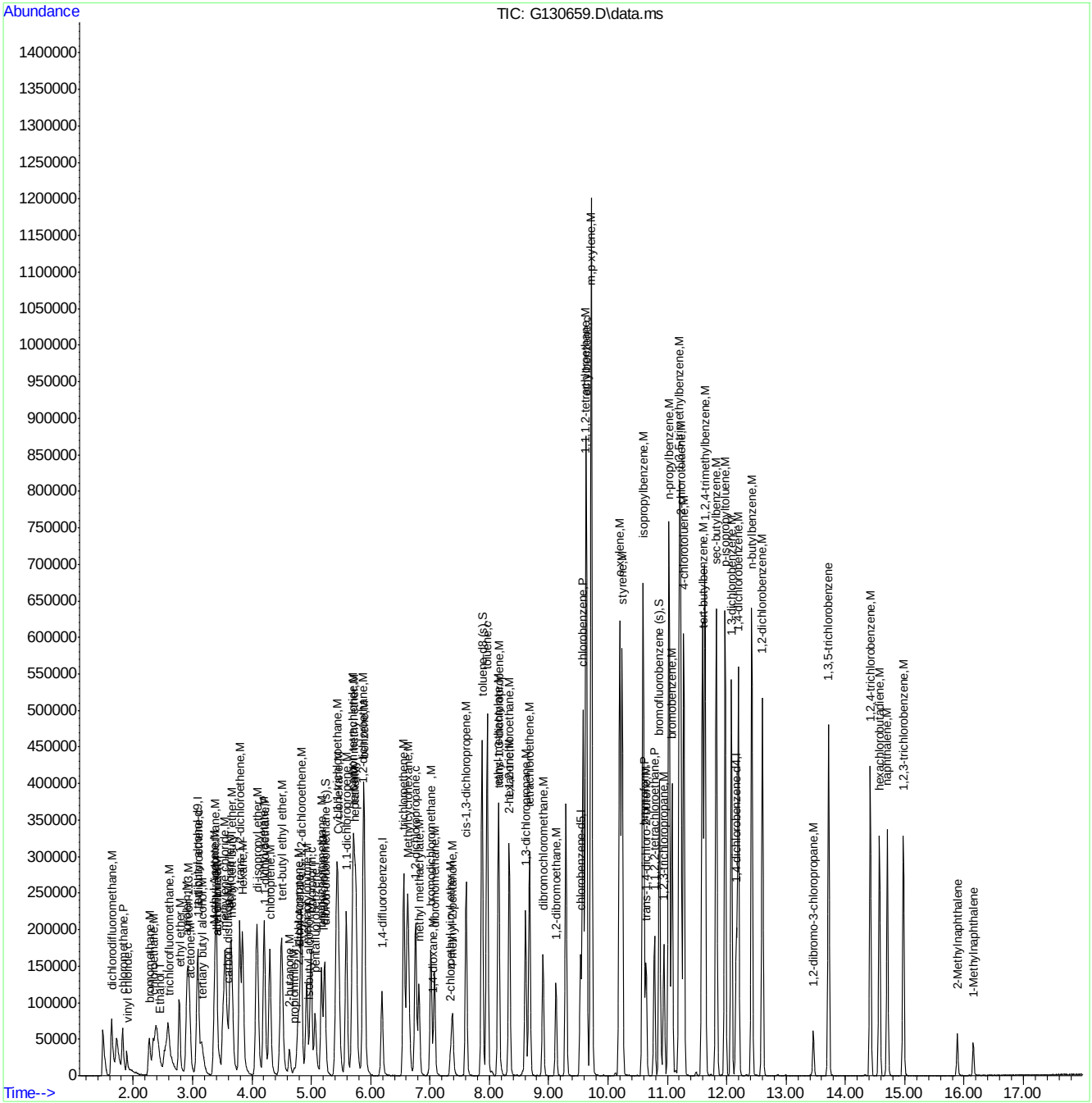
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	258210	92.70	ppb		95
94)	p-isopropyltoluene	11.974	119	437149	103.03	ppb		95
95)	1,4-dichlorobenzene	12.197	146	252430	91.64	ppb		97
96)	1,2-dichlorobenzene	12.602	146	244415	95.08	ppb		97
97)	n-butylbenzene	12.423	91	416969	103.98	ppb		95
98)	1,2-dibromo-3-chloropr...	13.460	75	17628	118.09	ppb	#	72
99)	1,3,5-trichlorobenzene	13.718	180	170363	104.48	ug/L		100
100)	1,2,4-trichlorobenzene	14.420	180	146007	125.64	ppb		97
101)	hexachlorobutadiene	14.573	225	77063	97.79	ppb		99
102)	naphthalene	14.708	128	300668	135.43	ppb		100
103)	2-Methylnaphthalene	15.888	142	30456	74.51	ug/L		98
104)	1-Methylnaphthalene	16.156	142	23302	85.51	ug/L		94
105)	1,2,3-trichlorobenzene	14.978	180	116358	123.44	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130659.D
Acq On : 20 Aug 2013 2:52 pm
Operator : jaimem
Sample : ic5092-100
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 07:42:56 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:41:42 2013
Response via : Initial Calibration



G130660.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski 08/21/13 09:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130660.D
Acq On : 20 Aug 2013 3:21 pm
Operator : jaimem
Sample : ic5092-200
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 21 07:44:32 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:43:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.086	65	24198	500.00	ppb		0.00
4) pentafluorobenzene	5.070	168	78136	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	122887	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	61808	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.163	152	60149	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.231	113	216835	201.07	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 402.14%#				
60) toluene-d8 (s)	7.878	98	793391	187.47	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 374.94%#				
82) bromofluorobenzene (s)	10.868	95	328579	176.33	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 352.66%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.156	59	145608	2205.08	ppb		95
3) Ethanol	2.445	45	83569	16044.31	ppb		100
5) dichlorodifluoromethane	1.648	85	228448m	182.95	ppb		
6) chloromethane	1.837	50	134325	197.48	ppb		96
7) vinyl chloride	1.922	62	63587	179.73	ppb		100
8) bromomethane	2.292	96	104085	173.53	ppb		98
9) chloroethane	2.339	64	72098	168.15	ppb		85
10) ethyl ether	2.786	59	155889	214.26	ppb		79
11) acetonitrile	3.414	41	281653	195.25	ppb		88
12) trichlorofluoromethane	2.610	101	316761m	184.40	ppb		
13) freon-113	2.936	101	243879m	207.65	ppb		
14) acrolein	2.904	56	71253	998.85	ppb		98
15) 1,1-dichloroethene	3.094	96	205041	195.77	ppb		94
16) acetone	2.961	58	26170	189.92	ppb		91
17) Methyl Acetate	3.371	43	196673	186.08	ppb	#	78
18) methylene chloride	3.531	84	215663	178.65	ppb	#	75
19) methyl tert butyl ether	3.662	73	581853	201.08	ppb		87
20) acrylonitrile	3.635	53	66587	192.13	ppb		93
21) allyl chloride	3.414	41	281676	194.45	ppb		76
22) trans-1,2-dichloroethene	3.800	96	209739	184.77	ppb		92
23) iodomethane	3.385	142	374682	191.46	ppb		86
24) carbon disulfide	3.587	76	664215	202.91	ppb		99
25) propionitrile	4.718	54	23020	195.01	ppb		100
26) vinyl acetate	4.206	43	377082	200.53	ppb		95
27) chloroprene	4.311	53	300097	199.85	ppb		80
28) di-isopropyl ether	4.092	45	619796	195.05	ppb		88
29) methacrylonitrile	4.929	41	122411	192.63	ppb		64
30) 2-butanone	4.637	72	25103	189.24	ppb	#	62
31) Ethyl Acetate	4.806	43	23604	181.37	ug/L	#	97
32) Hexane	3.848	41	183640	178.14	ppb	#	91
33) 1,1-dichloroethane	4.217	63	335302	183.44	ppb		97
34) tert-butyl ethyl ether	4.505	59	610006	202.45	ppb		91
35) isobutyl alcohol	4.958	43	33308	965.59	ppb		89
36) 2,2-dichloropropane	4.795	77	217974	193.87	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130660.D
Acq On : 20 Aug 2013 3:21 pm
Operator : jaimem
Sample : ic5092-200
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 21 07:44:32 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:43:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.834	96	229166	188.59	ppb		88
38) bromochloromethane	5.176	128	104842	196.43	ppb	#	79
39) chloroform	5.000	83	362821	184.07	ppb		100
41) Tetrahydrofuran	5.215	42	42575	195.03	ppb		77
42) 1,1,1-trichloroethane	5.435	97	320479	197.19	ppb		90
44) Cyclohexane	5.450	56	344843	189.40	ppb	#	77
45) carbon tetrachloride	5.711	117	311355	201.58	ppb		98
46) 1,1-dichloropropene	5.595	75	308563	193.12	ppb		95
47) benzene	5.895	78	819471	171.12	ppb		98
48) 1,2-dichloroethane	5.875	62	296063	183.87	ppb		100
49) tert-amyl methyl ether	5.722	73	585005	208.22	ppb		87
50) heptane	5.742	43	413027	187.62	ppb		82
51) trichloroethene	6.562	95	241319	180.13	ppb		87
52) 1,2-dichloropropane	6.759	63	210362	187.52	ppb		97
53) dibromomethane	7.077	93	125005	197.30	ppb		92
54) bromodichloromethane	7.018	83	292945	213.12	ppb		98
55) Methylcyclohexane	6.632	83	351238	192.34	ppb	#	81
56) 2-chloroethyl vinyl ether	7.348	63	37737	317.25	ppb		93
57) methyl methacrylate	6.817	69	125637	212.62	ppb	#	71
58) 1,4-dioxane	7.052	88	8495	954.17	ppb		73
59) cis-1,3-dichloropropene	7.611	75	379705	215.98	ppb		95
61) 4-methyl-2-pentanone	7.377	43	175925	215.05	ppb		81
62) toluene	7.965	92	535839	191.92	ppb		99
63) trans-1,3-dichloropropene	8.162	75	323771	214.35	ppb		95
64) 1,1,2-trichloroethane	8.336	83	155927	188.13	ppb		94
65) ethyl methacrylate	8.149	69	238229	219.92	ppb	#	73
67) tetrachloroethene	8.679	166	220855	174.61	ppb		96
68) 1,3-dichloropropane	8.612	76	314286	193.79	ppb		98
69) dibromochloromethane	8.905	129	232039	235.07	ppb		99
70) 1,2-dibromoethane	9.124	107	202803	202.99	ppb		98
71) 2-hexanone	8.343	43	121427	190.39	ppb		92
72) chlorobenzene	9.581	112	655703	184.83	ppb		93
73) 1,1,1,2-tetrachloroethane	9.627	131	230518	204.25	ppb		97
74) ethylbenzene	9.636	91	1062840	186.16	ppb		95
75) m,p-xylene	9.720	106	820155	371.69	ppb		89
76) o-xylene	10.199	106	417111	199.00	ppb		88
77) styrene	10.237	104	679975	204.83	ppb		87
78) bromoform	10.611	173	127700	243.85	ppb		100
79) trans-1,4-dichloro-2-b...	10.644	53	70396	226.83	ppb		78
81) isopropylbenzene	10.590	105	1099167	189.83	ppb		97
83) bromobenzene	11.081	156	275850	188.70	ppb		88
84) 1,1,2,2-tetrachloroethane	10.782	83	226665	190.96	ppb		95
85) 1,2,3-trichloropropane	10.942	75	182631	188.21	ppb		99
86) n-propylbenzene	11.030	91	1274664	185.69	ppb		95
87) 2-chlorotoluene	11.224	91	896235	182.76	ppb		89
88) 4-chlorotoluene	11.278	91	808817	185.80	ppb		89
89) 1,3,5-trimethylbenzene	11.203	105	932015	191.35	ppb		95
90) tert-butylbenzene	11.598	91	629268	189.40	ppb		83
91) 1,2,4-trimethylbenzene	11.634	105	943848	192.40	ppb		94
92) sec-butylbenzene	11.826	105	1110746	188.80	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130660.D
Acq On : 20 Aug 2013 3:21 pm
Operator : jaimem
Sample : ic5092-200
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 21 07:44:32 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:43:53 2013
Response via : Initial Calibration

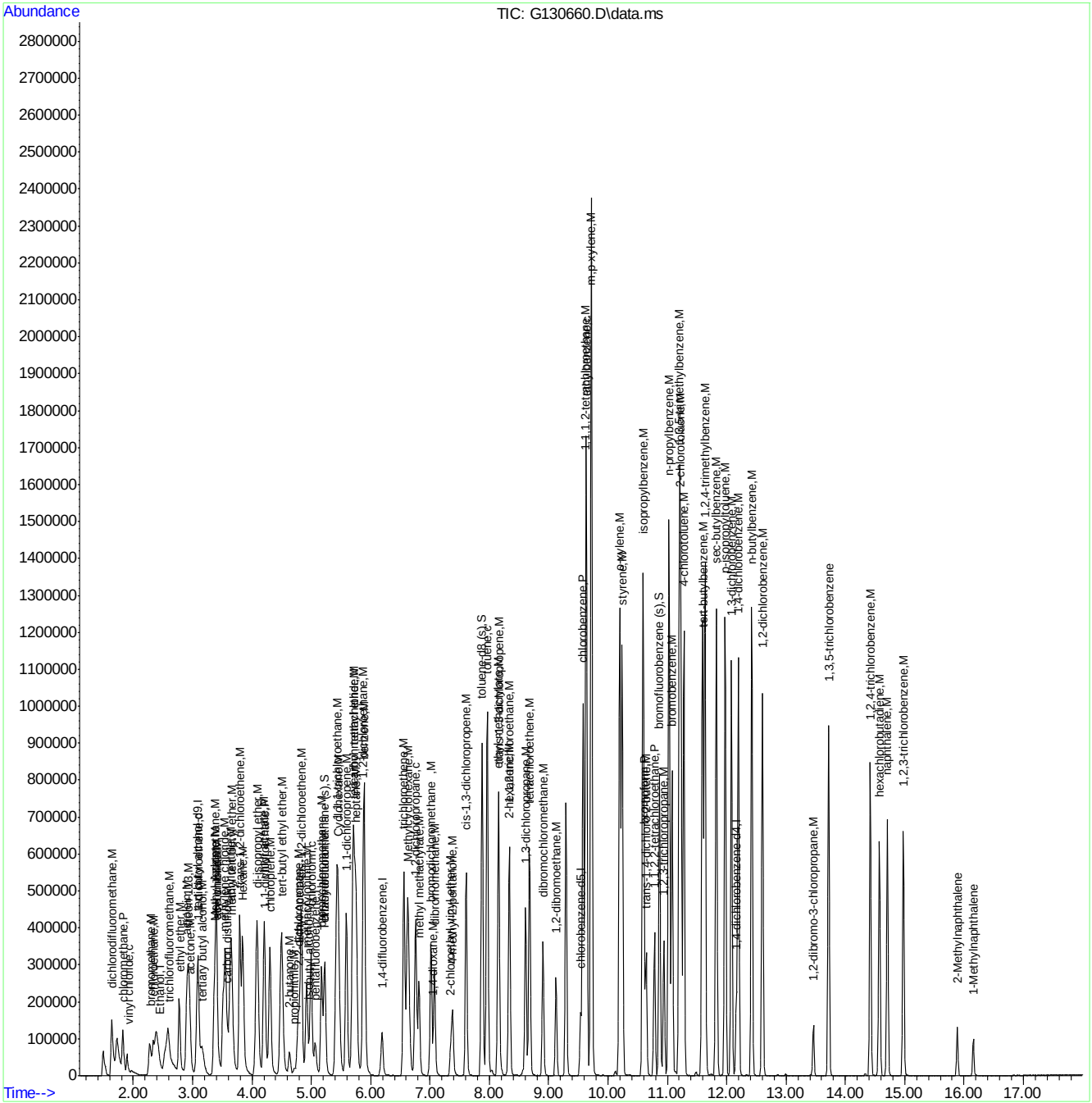
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.081	146	527627	181.59	ppb		95
94) p-isopropyltoluene	11.975	119	883244	195.17	ppb		95
95) 1,4-dichlorobenzene	12.198	146	522426	182.20	ppb		97
96) 1,2-dichlorobenzene	12.603	146	508883	188.85	ppb		96
97) n-butylbenzene	12.423	91	830768	193.77	ppb		94
98) 1,2-dibromo-3-chloropr...	13.461	75	38925	235.67	ppb	#	71
99) 1,3,5-trichlorobenzene	13.718	180	343088	195.83	ug/L		100
100) 1,2,4-trichlorobenzene	14.421	180	299375	228.69	ppb		99
101) hexachlorobutadiene	14.574	225	151876	183.07	ppb		97
102) naphthalene	14.708	128	626140	244.74	ppb		100
103) 2-Methylnaphthalene	15.888	142	68756	136.58	ug/L		97
104) 1-Methylnaphthalene	16.156	142	50638	149.07	ug/L		95
105) 1,2,3-trichlorobenzene	14.978	180	233265	220.82	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130660.D
Acq On : 20 Aug 2013 3:21 pm
Operator : jaimem
Sample : ic5092-200
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 21 07:44:32 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:43:53 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/21/13 09:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130661.D
Acq On : 20 Aug 2013 3:49 pm
Operator : jaimem
Sample : ic5092-400
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 21 07:45:49 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:45:25 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.094	65	25708	500.00	ppb		0.00
4) pentafluorobenzene	5.071	168	78316	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	126723	50.00	ppb		0.00
66) chlorobenzene-d5	9.539	82	62500	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.164	152	62256	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.231	113	440868	407.44	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 814.88%#				
60) toluene-d8 (s)	7.879	98	1624262	375.55	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 751.10%#				
82) bromofluorobenzene (s)	10.869	95	667854	352.22	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 704.44%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.164	59	307462	4273.16	ppb		92
3) Ethanol	2.448	45	196248	37309.16	ppb		99
5) dichlorodifluoromethane	1.647	85	450798m	365.37	ppb		
6) chloromethane	1.834	50	249354	366.67	ppb		97
7) vinyl chloride	1.918	62	118782	340.73	ppb		99
8) bromomethane	2.296	96	231863	394.38	ppb		98
9) chloroethane	2.337	64	163742	393.55	ppb		84
10) ethyl ether	2.785	59	306768	414.76	ppb		76
11) acetonitrile	3.416	41	556652	386.83	ppb		89
12) trichlorofluoromethane	2.613	101	719452	423.36	ppb		95
13) freon-113	2.939	101	487354	410.86	ppb		92
14) acrolein	2.905	56	141143	1974.61	ppb		98
15) 1,1-dichloroethene	3.101	96	414780	396.52	ppb		93
16) acetone	2.963	58	47027	343.96	ppb	#	85
17) Methyl Acetate	3.372	43	381754	365.45	ppb	#	77
18) methylene chloride	3.534	84	432448	363.87	ppb	#	74
19) methyl tert butyl ether	3.663	73	1160704	399.84	ppb		88
20) acrylonitrile	3.636	53	129355	376.08	ppb		96
21) allyl chloride	3.416	41	557335	386.00	ppb		75
22) trans-1,2-dichloroethene	3.800	96	422628	376.24	ppb		92
23) iodomethane	3.385	142	738428	379.71	ppb		86
24) carbon disulfide	3.594	76	1354441	411.61	ppb		99
25) propionitrile	4.720	54	47353	402.23	ppb		100
26) vinyl acetate	4.207	43	747680	396.49	ppb		95
27) chloroprene	4.311	53	610010	405.37	ppb		82
28) di-isopropyl ether	4.093	45	1231130	388.15	ppb		88
29) methacrylonitrile	4.930	41	245109	387.68	ppb		66
30) 2-butanone	4.638	72	47205	358.89	ppb	#	58
31) Ethyl Acetate	4.807	43	46544	363.59	ug/L	#	98
32) Hexane	3.847	41	384205	380.15	ppb	#	92
33) 1,1-dichloroethane	4.218	63	666064	368.65	ppb		97
34) tert-butyl ethyl ether	4.506	59	1223449	404.29	ppb		90
35) isobutyl alcohol	4.962	43	67588	1968.41	ppb		83
36) 2,2-dichloropropane	4.797	77	417938	373.15	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130661.D
Acq On : 20 Aug 2013 3:49 pm
Operator : jaimem
Sample : ic5092-400
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 21 07:45:49 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:45:25 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.834	96	458134	379.76	ppb		87
38) bromochloromethane	5.176	128	211519	396.81	ppb	#	77
39) chloroform	5.001	83	724945	371.87	ppb		100
41) Tetrahydrofuran	5.215	42	83328	383.22	ppb		72
42) 1,1,1-trichloroethane	5.437	97	649981	399.95	ppb		91
44) Cyclohexane	5.451	56	704066	379.01	ppb	#	76
45) carbon tetrachloride	5.712	117	640400	401.53	ppb		98
46) 1,1-dichloropropene	5.595	75	626355	382.78	ppb		95
47) benzene	5.895	78	1625886	336.18	ppb		98
48) 1,2-dichloroethane	5.876	62	588033	358.96	ppb		99
49) tert-amyl methyl ether	5.724	73	1154947	395.39	ppb		89
50) heptane	5.743	43	836223	372.98	ppb		78
51) trichloroethene	6.562	95	485603	356.56	ppb		88
52) 1,2-dichloropropane	6.760	63	418836	365.85	ppb		98
53) dibromomethane	7.078	93	251414	386.10	ppb		93
54) bromodichloromethane	7.019	83	601881	420.03	ppb		99
55) Methylcyclohexane	6.634	83	753142	403.03	ppb	#	80
56) 2-chloroethyl vinyl ether	7.349	63	91209	665.53	ppb		93
57) methyl methacrylate	6.818	69	255343	413.82	ppb	#	69
58) 1,4-dioxane	7.054	88	19919	2194.74	ppb	#	65
59) cis-1,3-dichloropropene	7.611	75	773818	421.22	ppb		95
61) 4-methyl-2-pentanone	7.377	43	362556	423.40	ppb		83
62) toluene	7.967	92	1073064	375.75	ppb		97
63) trans-1,3-dichloropropene	8.163	75	650889	412.94	ppb		94
64) 1,1,2-trichloroethane	8.337	83	307957	363.90	ppb		93
65) ethyl methacrylate	8.150	69	473255	415.38	ppb	#	72
67) tetrachloroethene	8.680	166	446824	355.81	ppb		96
68) 1,3-dichloropropane	8.613	76	630576	386.91	ppb		99
69) dibromochloromethane	8.906	129	484183	471.31	ppb		98
70) 1,2-dibromoethane	9.125	107	410222	405.05	ppb		97
71) 2-hexanone	8.344	43	225765	353.46	ppb		91
72) chlorobenzene	9.582	112	1302239	367.66	ppb		93
73) 1,1,1,2-tetrachloroethane	9.629	131	455847	397.74	ppb		96
74) ethylbenzene	9.637	91	2095068	367.13	ppb		95
75) m,p-xylene	9.722	106	1594193	723.01	ppb		88
76) o-xylene	10.200	106	828775	391.36	ppb		86
77) styrene	10.239	104	1356727	402.22	ppb		89
78) bromoform	10.612	173	262982	475.75	ppb		97
79) trans-1,4-dichloro-2-b...	10.645	53	145043	450.11	ppb		78
81) isopropylbenzene	10.591	105	2215763	373.51	ppb		96
83) bromobenzene	11.082	156	545630	364.74	ppb		94
84) 1,1,2,2-tetrachloroethane	10.784	83	456323	374.25	ppb		95
85) 1,2,3-trichloropropane	10.943	75	364907	367.67	ppb		99
86) n-propylbenzene	11.031	91	2547780	363.81	ppb		94
87) 2-chlorotoluene	11.226	91	1769146	354.68	ppb		89
88) 4-chlorotoluene	11.280	91	1620469	364.83	ppb		88
89) 1,3,5-trimethylbenzene	11.205	105	1862787	372.73	ppb		94
90) tert-butylbenzene	11.600	91	1272367	373.96	ppb		82
91) 1,2,4-trimethylbenzene	11.636	105	1883948	373.88	ppb		94
92) sec-butylbenzene	11.827	105	2285529	379.59	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130661.D
Acq On : 20 Aug 2013 3:49 pm
Operator : jaimem
Sample : ic5092-400
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 21 07:45:49 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:45:25 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.082	146	1062122	358.68	ppb		94
94)	p-isopropyltoluene	11.977	119	1812284	388.78	ppb		94
95)	1,4-dichlorobenzene	12.199	146	1042375	356.53	ppb		97
96)	1,2-dichlorobenzene	12.604	146	1022000	369.88	ppb		96
97)	n-butylbenzene	12.424	91	1730180	392.34	ppb		93
98)	1,2-dibromo-3-chloropr...	13.461	75	83771	473.14	ppb	#	76
99)	1,3,5-trichlorobenzene	13.719	180	694434	384.97	ug/L		100
100)	1,2,4-trichlorobenzene	14.422	180	606044	434.81	ppb		100
101)	hexachlorobutadiene	14.574	225	295611	350.19	ppb		99
102)	naphthalene	14.709	128	1315891	475.66	ppb		100
103)	2-Methylnaphthalene	15.888	142	172872	303.99	ug/L		97
104)	1-Methylnaphthalene	16.156	142	126659	328.05	ug/L		95
105)	1,2,3-trichlorobenzene	14.979	180	482091	431.93	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

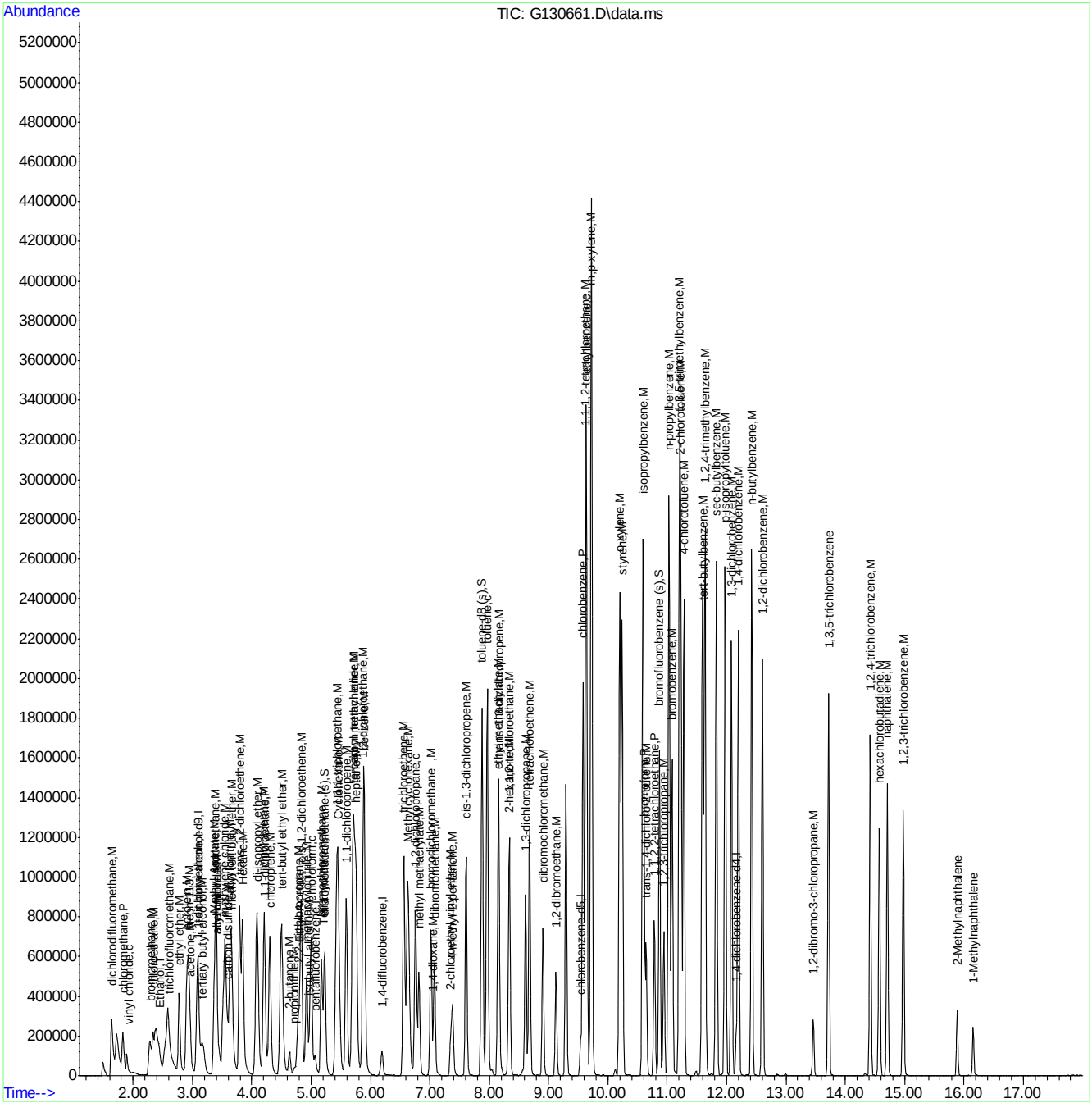
7.6.8

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130661.D
Acq On : 20 Aug 2013 3:49 pm
Operator : jaimem
Sample : ic5092-400
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 21 07:45:49 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 07:45:25 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/28/13 11:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130664.D
Acq On : 20 Aug 2013 5:13 pm
Operator : jaimem
Sample : icv5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 11:37:36 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 08:00:39 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.083	65	26616	500.00	ppb		-0.01
4) pentafluorobenzene	5.070	168	77033	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	120819	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	60367	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	57108	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	56409	52.84	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.68%				
60) toluene-d8 (s)	7.878	98	210739	51.50	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.00%				
82) bromofluorobenzene (s)	10.867	95	83751	51.41	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.82%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.159	59	36787	487.18	ppb		91
3) Ethanol	2.444	45	20838	3878.60	ppb		95
5) dichlorodifluoromethane	1.646	85	60582m	50.54	ppb		
6) chloromethane	1.830	50	39111	59.29	ppb		98
7) vinyl chloride	1.917	62	12879	38.94	ppb		94
8) bromomethane	2.279	96	29687	51.44	ppb		92
9) chloroethane	2.339	64	20501	50.23	ppb		83
10) ethyl ether	2.787	59	38397	52.46	ppb		69
11) acetonitrile	3.417	41	71321	50.67	ppb		94
12) trichlorofluoromethane	2.616	101	80115	47.53	ppb		98
13) freon-113	2.933	101	63056	53.80	ppb		98
14) acrolein	2.904	56	23272	331.84	ppb		99
15) 1,1-dichloroethene	3.093	96	55198	53.71	ppb		95
16) acetone	2.960	58	5594	34.45	ppb	#	79
17) Methyl Acetate	3.373	43	38285	37.80	ppb	#	78
18) methylene chloride	3.534	84	55120	47.77	ppb	#	73
19) methyl tert butyl ether	3.662	73	137523	48.17	ppb		89
20) acrylonitrile	3.635	53	16244	48.59	ppb		89
21) allyl chloride	3.417	41	71321	50.51	ppb		77
22) trans-1,2-dichloroethene	3.800	96	53571	48.90	ppb		89
23) iodomethane	3.387	142	94843	50.00	ppb		87
24) carbon disulfide	3.592	76	167824	51.60	ppb		97
25) propionitrile	4.719	54	5553	47.91	ppb		100
26) vinyl acetate	4.209	43	68971	37.24	ppb		94
27) chloroprene	4.311	53	80097	53.99	ppb		83
28) di-isopropyl ether	4.093	45	145591	46.87	ppb		86
29) methacrylonitrile	4.929	41	30341	49.04	ppb		65
30) 2-butanone	4.638	72	6579	51.74	ppb	#	45
31) Ethyl Acetate	4.807	43	32109	258.93	ug/L	#	99
32) Hexane	3.850	41	50751	51.48	ppb	#	92
33) 1,1-dichloroethane	4.217	63	92040	52.38	ppb		97
34) tert-butyl ethyl ether	4.506	59	149032	49.99	ppb		88
35) isobutyl alcohol	4.955	43	9332	277.04	ppb		95
36) 2,2-dichloropropane	4.792	77	55709	51.14	ppb		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130664.D
Acq On : 20 Aug 2013 5:13 pm
Operator : jaimem
Sample : icv5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 11:37:36 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 08:00:39 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.834	96	55977	47.52	ppb		85
38) bromochloromethane	5.175	128	27618	52.74	ppb	#	80
39) chloroform	5.000	83	95502	50.31	ppb		100
41) Tetrahydrofuran	5.216	42	10989	51.81	ppb		82
42) 1,1,1-trichloroethane	5.433	97	82878	51.85	ppb		90
44) Cyclohexane	5.450	56	86364	49.19	ppb	#	78
45) carbon tetrachloride	5.710	117	80078	52.63	ppb		98
46) 1,1-dichloropropene	5.595	75	76574	49.44	ppb		95
47) benzene	5.894	78	205207	45.41	ppb		98
48) 1,2-dichloroethane	5.874	62	70164	45.59	ppb		99
49) tert-amyl methyl ether	5.723	73	139456	50.17	ppb		90
50) heptane	5.742	43	101673	48.11	ppb		81
51) trichloroethene	6.562	95	57153	44.62	ppb		90
52) 1,2-dichloropropane	6.759	63	50005	46.38	ppb		99
53) dibromomethane	7.076	93	32871	53.32	ppb		91
54) bromodichloromethane	7.018	83	67342	48.94	ppb		99
55) Methylcyclohexane	6.630	83	90764	50.88	ppb	#	80
56) 2-chloroethyl vinyl ether	7.348	63	6137	45.00	ppb		98
57) methyl methacrylate	6.816	69	29052	49.10	ppb	#	74
58) 1,4-dioxane	7.050	88	2210	250.53	ppb		79
59) cis-1,3-dichloropropene	7.610	75	82934	46.99	ppb		96
61) 4-methyl-2-pentanone	7.378	43	39186	47.53	ppb		78
62) toluene	7.965	92	133330	49.47	ppb		100
63) trans-1,3-dichloropropene	8.162	75	76431	50.63	ppb		96
64) 1,1,2-trichloroethane	8.335	83	37319	46.86	ppb		90
65) ethyl methacrylate	8.149	69	56317	51.52	ppb	#	72
67) tetrachloroethene	8.678	166	61025	51.02	ppb		98
68) 1,3-dichloropropane	8.612	76	75881	48.47	ppb		99
69) dibromochloromethane	8.905	129	50786	49.91	ppb		97
70) 1,2-dibromoethane	9.124	107	47925	48.90	ppb		99
71) 2-hexanone	8.342	43	26417	43.67	ppb		94
72) chlorobenzene	9.580	112	154427	45.67	ppb		94
73) 1,1,1,2-tetrachloroethane	9.627	131	54970	49.70	ppb		99
74) ethylbenzene	9.635	91	265049	48.66	ppb		95
75) m,p-xylene	9.719	106	203861	97.06	ppb		89
76) o-xylene	10.198	106	96791	47.47	ppb		88
77) styrene	10.237	104	160971	49.36	ppb		93
78) bromoform	10.611	173	29000	52.65	ppb		97
79) trans-1,4-dichloro-2-b...	10.644	53	15285	48.11	ppb		91
81) isopropylbenzene	10.590	105	260611	48.43	ppb		96
83) bromobenzene	11.080	156	67097	49.63	ppb		88
84) 1,1,2,2-tetrachloroethane	10.781	83	54631	49.30	ppb		93
85) 1,2,3-trichloropropane	10.941	75	43666	48.62	ppb		99
86) n-propylbenzene	11.029	91	303319	47.94	ppb		95
87) 2-chlorotoluene	11.223	91	206946	46.10	ppb		91
88) 4-chlorotoluene	11.277	91	192373	47.92	ppb		89
89) 1,3,5-trimethylbenzene	11.202	105	219390	48.41	ppb		97
90) tert-butylbenzene	11.597	91	146967	47.61	ppb		87
91) 1,2,4-trimethylbenzene	11.633	105	221881	48.53	ppb		97
92) sec-butylbenzene	11.825	105	261519	47.76	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130664.D
Acq On : 20 Aug 2013 5:13 pm
Operator : jaimem
Sample : icv5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 11:37:36 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 08:00:39 2013
Response via : Initial Calibration

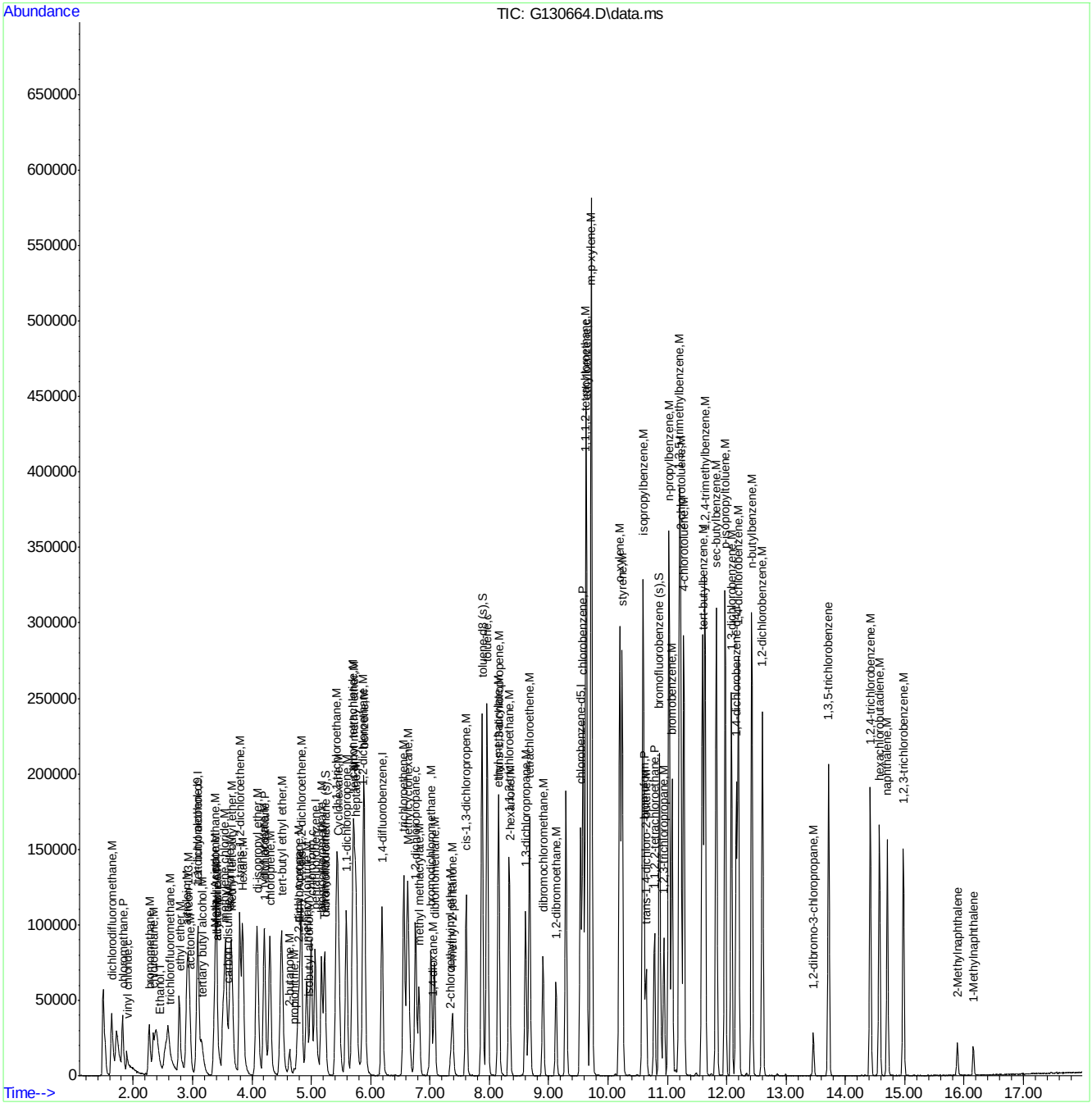
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	122650	45.83	ppb		96
94)	p-isopropyltoluene	11.974	119	222024	52.17	ppb		95
95)	1,4-dichlorobenzene	12.197	146	124427	47.13	ppb		97
96)	1,2-dichlorobenzene	12.602	146	116637	46.52	ppb		97
97)	n-butylbenzene	12.422	91	199550	49.49	ppb		94
98)	1,2-dibromo-3-chloropr...	13.460	75	8092	48.35	ppb	#	72
99)	1,3,5-trichlorobenzene	13.718	180	73560	44.79	ug/L		99
100)	1,2,4-trichlorobenzene	14.420	180	66627	47.48	ppb		99
101)	hexachlorobutadiene	14.573	225	38645	50.96	ppb		99
102)	naphthalene	14.707	128	135196	47.91	ppb		100
103)	2-Methylnaphthalene	15.887	142	12363	26.80	ug/L		96
104)	1-Methylnaphthalene	16.155	142	10027	25.24	ug/L		95
105)	1,2,3-trichlorobenzene	14.977	180	53619	51.68	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130664.D
Acq On : 20 Aug 2013 5:13 pm
Operator : jaimem
Sample : icv5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 11:37:36 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 08:00:39 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/28/13 11:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130664.D
Acq On : 20 Aug 2013 5:13 pm
Operator : jaimem
Sample : icv5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 11:37:36 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 08:00:39 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.083	65	26616	500.00	ppb		-0.01
4) pentafluorobenzene	5.070	168	77033	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	120819	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	60367	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	57108	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	56409	52.84	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.68%				
60) toluene-d8 (s)	7.878	98	210739	51.50	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.00%				
82) bromofluorobenzene (s)	10.867	95	83751	51.41	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.82%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.159	59	36787	487.18	ppb		91
3) Ethanol	2.444	45	20838	3878.60	ppb		95
5) dichlorodifluoromethane	1.646	85	60582m	50.54	ppb		
6) chloromethane	1.830	50	39111	59.29	ppb		98
7) vinyl chloride	1.917	62	12879	38.94	ppb		94
8) bromomethane	2.279	96	29687	51.44	ppb		92
9) chloroethane	2.339	64	20501	50.23	ppb		83
10) ethyl ether	2.787	59	38397	52.46	ppb		69
11) acetonitrile	3.417	41	71321	50.67	ppb		94
12) trichlorofluoromethane	2.616	101	80115	47.53	ppb		98
13) freon-113	2.933	101	63056	53.80	ppb		98
14) acrolein	2.904	56	23272	331.84	ppb		99
15) 1,1-dichloroethene	3.093	96	55198	53.71	ppb		95
16) acetone	2.960	58	5594	34.45	ppb	#	79
17) Methyl Acetate	3.373	43	38285	37.80	ppb	#	78
18) methylene chloride	3.534	84	55120	47.77	ppb	#	73
19) methyl tert butyl ether	3.662	73	137523	48.17	ppb		89
20) acrylonitrile	3.635	53	16244	48.59	ppb		89
21) allyl chloride	3.417	41	71321	50.51	ppb		77
22) trans-1,2-dichloroethene	3.800	96	53571	48.90	ppb		89
23) iodomethane	3.387	142	94843	50.00	ppb		87
24) carbon disulfide	3.592	76	167824	51.60	ppb		97
25) propionitrile	4.719	54	5553	47.91	ppb		100
26) vinyl acetate	4.209	43	68971	37.24	ppb		94
27) chloroprene	4.311	53	80097	53.99	ppb		83
28) di-isopropyl ether	4.093	45	145591	46.87	ppb		86
29) methacrylonitrile	4.929	41	30341	49.04	ppb		65
30) 2-butanone	4.638	72	6579	51.74	ppb	#	45
31) Ethyl Acetate	4.807	43	32109	258.93	ug/L	#	99
32) Hexane	3.850	41	50751	51.48	ppb	#	92
33) 1,1-dichloroethane	4.217	63	92040	52.38	ppb		97
34) tert-butyl ethyl ether	4.506	59	149032	49.99	ppb		88
35) isobutyl alcohol	4.955	43	9332	277.04	ppb		95
36) 2,2-dichloropropane	4.792	77	55709	51.14	ppb		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130664.D
Acq On : 20 Aug 2013 5:13 pm
Operator : jaimem
Sample : icv5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 11:37:36 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 08:00:39 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.834	96	55977	47.52	ppb		85
38) bromochloromethane	5.175	128	27618	52.74	ppb	#	80
39) chloroform	5.000	83	95502	50.31	ppb		100
41) Tetrahydrofuran	5.216	42	10989	51.81	ppb		82
42) 1,1,1-trichloroethane	5.433	97	82878	51.85	ppb		90
44) Cyclohexane	5.450	56	86364	49.19	ppb	#	78
45) carbon tetrachloride	5.710	117	80078	52.63	ppb		98
46) 1,1-dichloropropene	5.595	75	76574	49.44	ppb		95
47) benzene	5.894	78	205207	45.41	ppb		98
48) 1,2-dichloroethane	5.874	62	70164	45.59	ppb		99
49) tert-amyl methyl ether	5.723	73	139456	50.17	ppb		90
50) heptane	5.742	43	101673	48.11	ppb		81
51) trichloroethene	6.562	95	57153	44.62	ppb		90
52) 1,2-dichloropropane	6.759	63	50005	46.38	ppb		99
53) dibromomethane	7.076	93	32871	53.32	ppb		91
54) bromodichloromethane	7.018	83	67342	48.94	ppb		99
55) Methylcyclohexane	6.630	83	90764	50.88	ppb	#	80
56) 2-chloroethyl vinyl ether	7.348	63	6137	45.00	ppb		98
57) methyl methacrylate	6.816	69	29052	49.10	ppb	#	74
58) 1,4-dioxane	7.050	88	2210	250.53	ppb		79
59) cis-1,3-dichloropropene	7.610	75	82934	46.99	ppb		96
61) 4-methyl-2-pentanone	7.378	43	39186	47.53	ppb		78
62) toluene	7.965	92	133330	49.47	ppb		100
63) trans-1,3-dichloropropene	8.162	75	76431	50.63	ppb		96
64) 1,1,2-trichloroethane	8.335	83	37319	46.86	ppb		90
65) ethyl methacrylate	8.149	69	56317	51.52	ppb	#	72
67) tetrachloroethene	8.678	166	61025	51.02	ppb		98
68) 1,3-dichloropropane	8.612	76	75881	48.47	ppb		99
69) dibromochloromethane	8.905	129	50786	49.91	ppb		97
70) 1,2-dibromoethane	9.124	107	47925	48.90	ppb		99
71) 2-hexanone	8.342	43	26417	43.67	ppb		94
72) chlorobenzene	9.580	112	154427	45.67	ppb		94
73) 1,1,1,2-tetrachloroethane	9.627	131	54970	49.70	ppb		99
74) ethylbenzene	9.635	91	265049	48.66	ppb		95
75) m,p-xylene	9.719	106	203861	97.06	ppb		89
76) o-xylene	10.198	106	96791	47.47	ppb		88
77) styrene	10.237	104	160971	49.36	ppb		93
78) bromoform	10.611	173	29000	52.65	ppb		97
79) trans-1,4-dichloro-2-b...	10.644	53	15285	48.11	ppb		91
81) isopropylbenzene	10.590	105	260611	48.43	ppb		96
83) bromobenzene	11.080	156	67097	49.63	ppb		88
84) 1,1,2,2-tetrachloroethane	10.781	83	54631	49.30	ppb		93
85) 1,2,3-trichloropropane	10.941	75	43666	48.62	ppb		99
86) n-propylbenzene	11.029	91	303319	47.94	ppb		95
87) 2-chlorotoluene	11.223	91	206946	46.10	ppb		91
88) 4-chlorotoluene	11.277	91	192373	47.92	ppb		89
89) 1,3,5-trimethylbenzene	11.202	105	219390	48.41	ppb		97
90) tert-butylbenzene	11.597	91	146967	47.61	ppb		87
91) 1,2,4-trimethylbenzene	11.633	105	221881	48.53	ppb		97
92) sec-butylbenzene	11.825	105	261519	47.76	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130664.D
Acq On : 20 Aug 2013 5:13 pm
Operator : jaimem
Sample : icv5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 11:37:36 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 08:00:39 2013
Response via : Initial Calibration

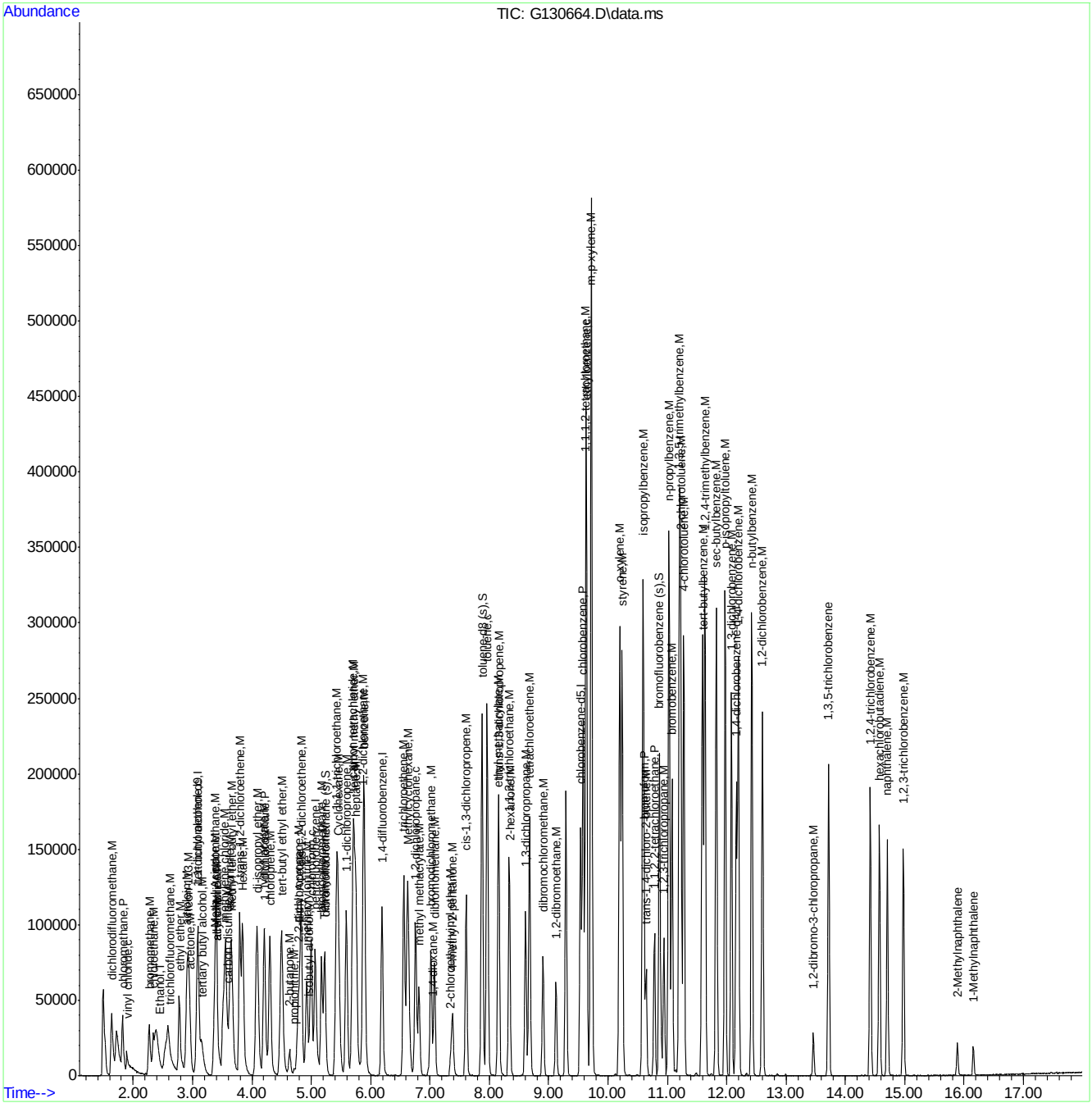
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	122650	45.83	ppb		96
94)	p-isopropyltoluene	11.974	119	222024	52.17	ppb		95
95)	1,4-dichlorobenzene	12.197	146	124427	47.13	ppb		97
96)	1,2-dichlorobenzene	12.602	146	116637	46.52	ppb		97
97)	n-butylbenzene	12.422	91	199550	49.49	ppb		94
98)	1,2-dibromo-3-chloropr...	13.460	75	8092	48.35	ppb	#	72
99)	1,3,5-trichlorobenzene	13.718	180	73560	44.79	ug/L		99
100)	1,2,4-trichlorobenzene	14.420	180	66627	47.48	ppb		99
101)	hexachlorobutadiene	14.573	225	38645	50.96	ppb		99
102)	naphthalene	14.707	128	135196	47.91	ppb		100
103)	2-Methylnaphthalene	15.887	142	12363	26.80	ug/L		96
104)	1-Methylnaphthalene	16.155	142	10027	25.24	ug/L		95
105)	1,2,3-trichlorobenzene	14.977	180	53619	51.68	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130820\
Data File : G130664.D
Acq On : 20 Aug 2013 5:13 pm
Operator : jaimem
Sample : icv5092-50
Misc : MS29686,MSG5092,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 11:37:36 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 08:00:39 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 09:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.076	65	17446	500.00	ppb		-0.02
4) pentafluorobenzene	5.071	168	62035m	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	94164	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	62479	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	58750	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	40152	46.70	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.40%				
60) toluene-d8 (s)	7.878	98	166121	52.09	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.18%				
82) bromofluorobenzene (s)	10.867	95	81104	48.39	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.78%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.147	59	26430	533.99	ppb		98
3) Ethanol	2.425	45	22413	6364.52	ppb		99
5) dichlorodifluoromethane	1.650	85	76014m	78.75	ppb		
6) chloromethane	1.835	50	40802	76.81	ppb		97
7) vinyl chloride	1.922	62	15254m	59.69	ppb		
8) bromomethane	2.283	96	31697	68.20	ppb		99
9) chloroethane	2.342	64	23368	71.10	ppb		82
10) ethyl ether	2.782	59	24899	42.24	ppb		77
11) acetonitrile	3.412	41	45451	40.09	ppb		82
12) trichlorofluoromethane	2.608	101	71007	52.31	ppb		88
13) freon-113	2.934	101	46934	49.73	ppb		98
14) acrolein	2.903	56	15090	267.20	ppb		99
15) 1,1-dichloroethene	3.092	96	39097	47.24	ppb		97
16) acetone	2.960	58	5453	44.74	ppb		91
17) Methyl Acetate	3.371	43	22763	27.91	ppb	#	70
18) methylene chloride	3.531	84	38109	41.01	ppb	#	71
19) methyl tert butyl ether	3.662	73	101543	44.16	ppb		87
20) acrylonitrile	3.634	53	10262	38.12	ppb		96
21) allyl chloride	3.412	41	45451	39.97	ppb		66
22) trans-1,2-dichloroethene	3.799	96	38792	43.97	ppb		88
23) iodomethane	3.386	142	72763	47.64	ppb		90
24) carbon disulfide	3.587	76	116259	44.39	ppb		100
25) propionitrile	4.716	54	3616	38.74	ppb		100
26) vinyl acetate	4.208	43	45151	30.27	ppb		91
27) chloroprene	4.309	53	58485	48.96	ppb		81
28) di-isopropyl ether	4.092	45	94669	37.84	ppb		86
29) methacrylonitrile	4.927	41	19936	40.01	ppb		65
30) 2-butanone	4.637	72	6125	59.81	ppb	#	43
31) Ethyl Acetate	4.807	43	21236	212.65	ug/L	#	100
32) Hexane	3.849	41	37022	46.63	ppb	#	99
33) 1,1-dichloroethane	4.217	63	64804	45.79	ppb		96
34) tert-butyl ethyl ether	4.504	59	105498	43.94	ppb		90
35) isobutyl alcohol	4.950	43	5633	207.66	ppb		88
36) 2,2-dichloropropane	4.794	77	47710	54.39	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.834	96	41477	43.72	ppb	#	79
38)	bromochloromethane	5.176	128	21037	49.89	ppb	#	67
39)	chloroform	5.000	83	72710	47.56	ppb		98
41)	Tetrahydrofuran	5.216	42	6772	39.65	ppb		57
42)	1,1,1-trichloroethane	5.434	97	67924	52.77	ppb		89
44)	Cyclohexane	5.449	56	58926	43.07	ppb	#	71
45)	carbon tetrachloride	5.710	117	65807	55.50	ppb		99
46)	1,1-dichloropropene	5.595	75	57613	47.72	ppb		97
47)	benzene	5.894	78	150212	42.65	ppb		97
48)	1,2-dichloroethane	5.875	62	56174	46.83	ppb		99
49)	tert-amyl methyl ether	5.718	73	101153	46.69	ppb		85
50)	heptane	5.741	43	72573	44.06	ppb		73
51)	trichloroethene	6.562	95	44757	44.84	ppb		91
52)	1,2-dichloropropane	6.759	63	35418	42.15	ppb		95
53)	dibromomethane	7.076	93	24859	51.74	ppb		98
54)	bromodichloromethane	7.017	83	53234	49.64	ppb		97
55)	Methylcyclohexane	6.629	83	69997	50.35	ppb	#	78
56)	2-chloroethyl vinyl ether	7.348	63	4054	40.78	ppb		93
57)	methyl methacrylate	6.816	69	21200	45.97	ppb	#	62
58)	1,4-dioxane	7.048	88	1431	208.14	ppb	#	64
59)	cis-1,3-dichloropropene	7.610	75	67173	48.84	ppb		97
61)	4-methyl-2-pentanone	7.378	43	29682	46.20	ppb		76
62)	toluene	7.965	92	113801	54.17	ppb		98
63)	trans-1,3-dichloropropene	8.162	75	76134	64.70	ppb		93
64)	1,1,2-trichloroethane	8.335	83	38575	62.15	ppb		96
65)	ethyl methacrylate	8.149	69	55243	64.84	ppb	#	72
67)	tetrachloroethene	8.679	166	64882	52.41	ppb		99
68)	1,3-dichloropropane	8.612	76	78538	48.47	ppb		97
69)	dibromochloromethane	8.905	129	53320	50.63	ppb		95
70)	1,2-dibromoethane	9.124	107	49769	49.07	ppb		92
71)	2-hexanone	8.342	43	42728	68.24	ppb		92
72)	chlorobenzene	9.580	112	163143	46.61	ppb		95
73)	1,1,1,2-tetrachloroethane	9.627	131	57224	49.99	ppb		98
74)	ethylbenzene	9.635	91	281279	49.89	ppb		96
75)	m,p-xylene	9.719	106	215401	99.09	ppb		89
76)	o-xylene	10.198	106	103079	48.84	ppb		87
77)	styrene	10.237	104	168881	50.04	ppb		91
78)	bromoform	10.611	173	30212	53.00	ppb		100
79)	trans-1,4-dichloro-2-b...	10.644	53	15797	48.04	ppb		84
81)	isopropylbenzene	10.590	105	276495	49.94	ppb		96
83)	bromobenzene	11.080	156	68904	49.54	ppb		88
84)	1,1,2,2-tetrachloroethane	10.781	83	55043	48.28	ppb		96
85)	1,2,3-trichloropropane	10.942	75	44865	48.56	ppb		97
86)	n-propylbenzene	11.029	91	321846	49.45	ppb		93
87)	2-chlorotoluene	11.223	91	219221	47.47	ppb		92
88)	4-chlorotoluene	11.277	91	200663	48.59	ppb		88
89)	1,3,5-trimethylbenzene	11.202	105	231096	49.56	ppb		95
90)	tert-butylbenzene	11.597	91	154097	48.52	ppb		84
91)	1,2,4-trimethylbenzene	11.633	105	231434	49.21	ppb		96
92)	sec-butylbenzene	11.825	105	275394	48.88	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	127731	46.39	ppb		94
94)	p-isopropyltoluene	11.974	119	234659	53.60	ppb		95
95)	1,4-dichlorobenzene	12.197	146	129862	47.81	ppb		97
96)	1,2-dichlorobenzene	12.602	146	119176	46.20	ppb		97
97)	n-butylbenzene	12.422	91	211342	50.95	ppb		93
98)	1,2-dibromo-3-chloropr...	13.460	75	7924	46.02	ppb	#	75
99)	1,3,5-trichlorobenzene	13.718	180	76477	45.27	ug/L		99
100)	1,2,4-trichlorobenzene	14.420	180	68192	47.24	ppb		97
101)	hexachlorobutadiene	14.573	225	40193	51.52	ppb		98
102)	naphthalene	14.707	128	136385	47.04	ppb		100
103)	2-Methylnaphthalene	15.887	142	12208	26.20	ug/L		96
104)	1-Methylnaphthalene	16.155	142	9396	23.72	ug/L		96
105)	1,2,3-trichlorobenzene	14.977	180	53178	49.83	ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

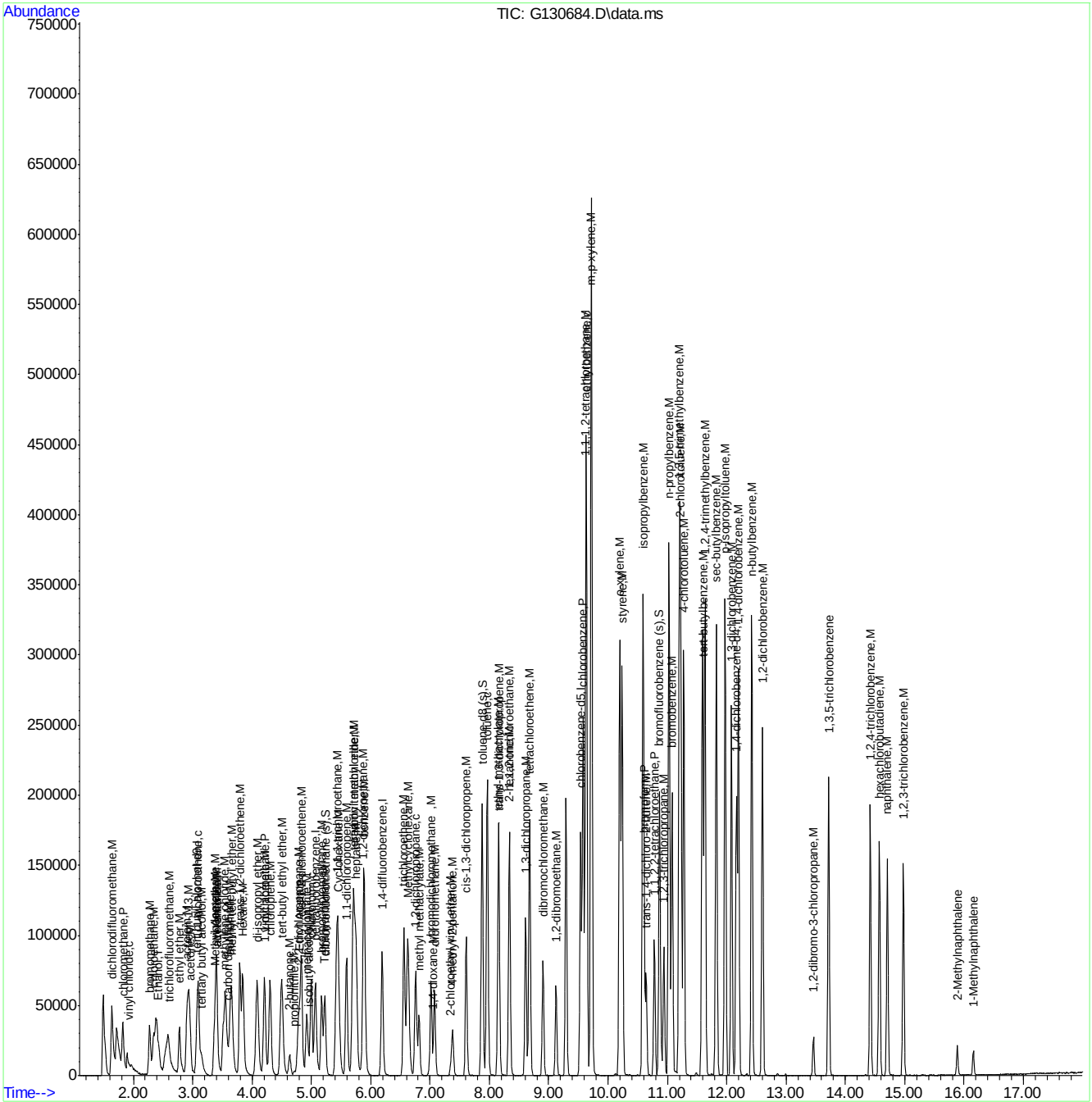
7.6.11

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
08/22/13 09:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.076	65	17446	500.00	ppb		-0.02
4) pentafluorobenzene	5.071	168	62035m	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.195	114	94164	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	62479	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	58750	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.230	113	40152	46.70	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.40%				
60) toluene-d8 (s)	7.878	98	166121	52.09	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.18%				
82) bromofluorobenzene (s)	10.867	95	81104	48.39	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.78%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.147	59	26430	533.99	ppb		98
3) Ethanol	2.425	45	22413	6364.52	ppb		99
5) dichlorodifluoromethane	1.650	85	76014m	78.75	ppb		
6) chloromethane	1.835	50	40802	76.81	ppb		97
7) vinyl chloride	1.922	62	15254m	59.69	ppb		
8) bromomethane	2.283	96	31697	68.20	ppb		99
9) chloroethane	2.342	64	23368	71.10	ppb		82
10) ethyl ether	2.782	59	24899	42.24	ppb		77
11) acetonitrile	3.412	41	45451	40.09	ppb		82
12) trichlorofluoromethane	2.608	101	71007	52.31	ppb		88
13) freon-113	2.934	101	46934	49.73	ppb		98
14) acrolein	2.903	56	15090	267.20	ppb		99
15) 1,1-dichloroethene	3.092	96	39097	47.24	ppb		97
16) acetone	2.960	58	5453	44.74	ppb		91
17) Methyl Acetate	3.371	43	22763	27.91	ppb	#	70
18) methylene chloride	3.531	84	38109	41.01	ppb	#	71
19) methyl tert butyl ether	3.662	73	101543	44.16	ppb		87
20) acrylonitrile	3.634	53	10262	38.12	ppb		96
21) allyl chloride	3.412	41	45451	39.97	ppb		66
22) trans-1,2-dichloroethene	3.799	96	38792	43.97	ppb		88
23) iodomethane	3.386	142	72763	47.64	ppb		90
24) carbon disulfide	3.587	76	116259	44.39	ppb		100
25) propionitrile	4.716	54	3616	38.74	ppb		100
26) vinyl acetate	4.208	43	45151	30.27	ppb		91
27) chloroprene	4.309	53	58485	48.96	ppb		81
28) di-isopropyl ether	4.092	45	94669	37.84	ppb		86
29) methacrylonitrile	4.927	41	19936	40.01	ppb		65
30) 2-butanone	4.637	72	6125	59.81	ppb	#	43
31) Ethyl Acetate	4.807	43	21236	212.65	ug/L	#	100
32) Hexane	3.849	41	37022	46.63	ppb	#	99
33) 1,1-dichloroethane	4.217	63	64804	45.79	ppb		96
34) tert-butyl ethyl ether	4.504	59	105498	43.94	ppb		90
35) isobutyl alcohol	4.950	43	5633	207.66	ppb		88
36) 2,2-dichloropropane	4.794	77	47710	54.39	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.834	96	41477	43.72	ppb	#	79
38) bromochloromethane	5.176	128	21037	49.89	ppb	#	67
39) chloroform	5.000	83	72710	47.56	ppb		98
41) Tetrahydrofuran	5.216	42	6772	39.65	ppb		57
42) 1,1,1-trichloroethane	5.434	97	67924	52.77	ppb		89
44) Cyclohexane	5.449	56	58926	43.07	ppb	#	71
45) carbon tetrachloride	5.710	117	65807	55.50	ppb		99
46) 1,1-dichloropropene	5.595	75	57613	47.72	ppb		97
47) benzene	5.894	78	150212	42.65	ppb		97
48) 1,2-dichloroethane	5.875	62	56174	46.83	ppb		99
49) tert-amyl methyl ether	5.718	73	101153	46.69	ppb		85
50) heptane	5.741	43	72573	44.06	ppb		73
51) trichloroethene	6.562	95	44757	44.84	ppb		91
52) 1,2-dichloropropane	6.759	63	35418	42.15	ppb		95
53) dibromomethane	7.076	93	24859	51.74	ppb		98
54) bromodichloromethane	7.017	83	53234	49.64	ppb		97
55) Methylcyclohexane	6.629	83	69997	50.35	ppb	#	78
56) 2-chloroethyl vinyl ether	7.348	63	4054	40.78	ppb		93
57) methyl methacrylate	6.816	69	21200	45.97	ppb	#	62
58) 1,4-dioxane	7.048	88	1431	208.14	ppb	#	64
59) cis-1,3-dichloropropene	7.610	75	67173	48.84	ppb		97
61) 4-methyl-2-pentanone	7.378	43	29682	46.20	ppb		76
62) toluene	7.965	92	113801	54.17	ppb		98
63) trans-1,3-dichloropropene	8.162	75	76134	64.70	ppb		93
64) 1,1,2-trichloroethane	8.335	83	38575	62.15	ppb		96
65) ethyl methacrylate	8.149	69	55243	64.84	ppb	#	72
67) tetrachloroethene	8.679	166	64882	52.41	ppb		99
68) 1,3-dichloropropane	8.612	76	78538	48.47	ppb		97
69) dibromochloromethane	8.905	129	53320	50.63	ppb		95
70) 1,2-dibromoethane	9.124	107	49769	49.07	ppb		92
71) 2-hexanone	8.342	43	42728	68.24	ppb		92
72) chlorobenzene	9.580	112	163143	46.61	ppb		95
73) 1,1,1,2-tetrachloroethane	9.627	131	57224	49.99	ppb		98
74) ethylbenzene	9.635	91	281279	49.89	ppb		96
75) m,p-xylene	9.719	106	215401	99.09	ppb		89
76) o-xylene	10.198	106	103079	48.84	ppb		87
77) styrene	10.237	104	168881	50.04	ppb		91
78) bromoform	10.611	173	30212	53.00	ppb		100
79) trans-1,4-dichloro-2-b...	10.644	53	15797	48.04	ppb		84
81) isopropylbenzene	10.590	105	276495	49.94	ppb		96
83) bromobenzene	11.080	156	68904	49.54	ppb		88
84) 1,1,2,2-tetrachloroethane	10.781	83	55043	48.28	ppb		96
85) 1,2,3-trichloropropane	10.942	75	44865	48.56	ppb		97
86) n-propylbenzene	11.029	91	321846	49.45	ppb		93
87) 2-chlorotoluene	11.223	91	219221	47.47	ppb		92
88) 4-chlorotoluene	11.277	91	200663	48.59	ppb		88
89) 1,3,5-trimethylbenzene	11.202	105	231096	49.56	ppb		95
90) tert-butylbenzene	11.597	91	154097	48.52	ppb		84
91) 1,2,4-trimethylbenzene	11.633	105	231434	49.21	ppb		96
92) sec-butylbenzene	11.825	105	275394	48.88	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
Sample : bs
Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 11:07:27 2013
Quant Method : C:\msdchem\1\METHODS\g130820s.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	127731	46.39	ppb		94
94)	p-isopropyltoluene	11.974	119	234659	53.60	ppb		95
95)	1,4-dichlorobenzene	12.197	146	129862	47.81	ppb		97
96)	1,2-dichlorobenzene	12.602	146	119176	46.20	ppb		97
97)	n-butylbenzene	12.422	91	211342	50.95	ppb		93
98)	1,2-dibromo-3-chloropr...	13.460	75	7924	46.02	ppb	#	75
99)	1,3,5-trichlorobenzene	13.718	180	76477	45.27	ug/L		99
100)	1,2,4-trichlorobenzene	14.420	180	68192	47.24	ppb		97
101)	hexachlorobutadiene	14.573	225	40193	51.52	ppb		98
102)	naphthalene	14.707	128	136385	47.04	ppb		100
103)	2-Methylnaphthalene	15.887	142	12208	26.20	ug/L		96
104)	1-Methylnaphthalene	16.155	142	9396	23.72	ug/L		96
105)	1,2,3-trichlorobenzene	14.977	180	53178	49.83	ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G130821\
Data File : G130684.D
Acq On : 21 Aug 2013 10:43 am
Operator : jaimem
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Misc : MS29686,MSG5093,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

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Quant Title : SW-846 Method 8260
QLast Update : Wed Aug 21 10:20:56 2013
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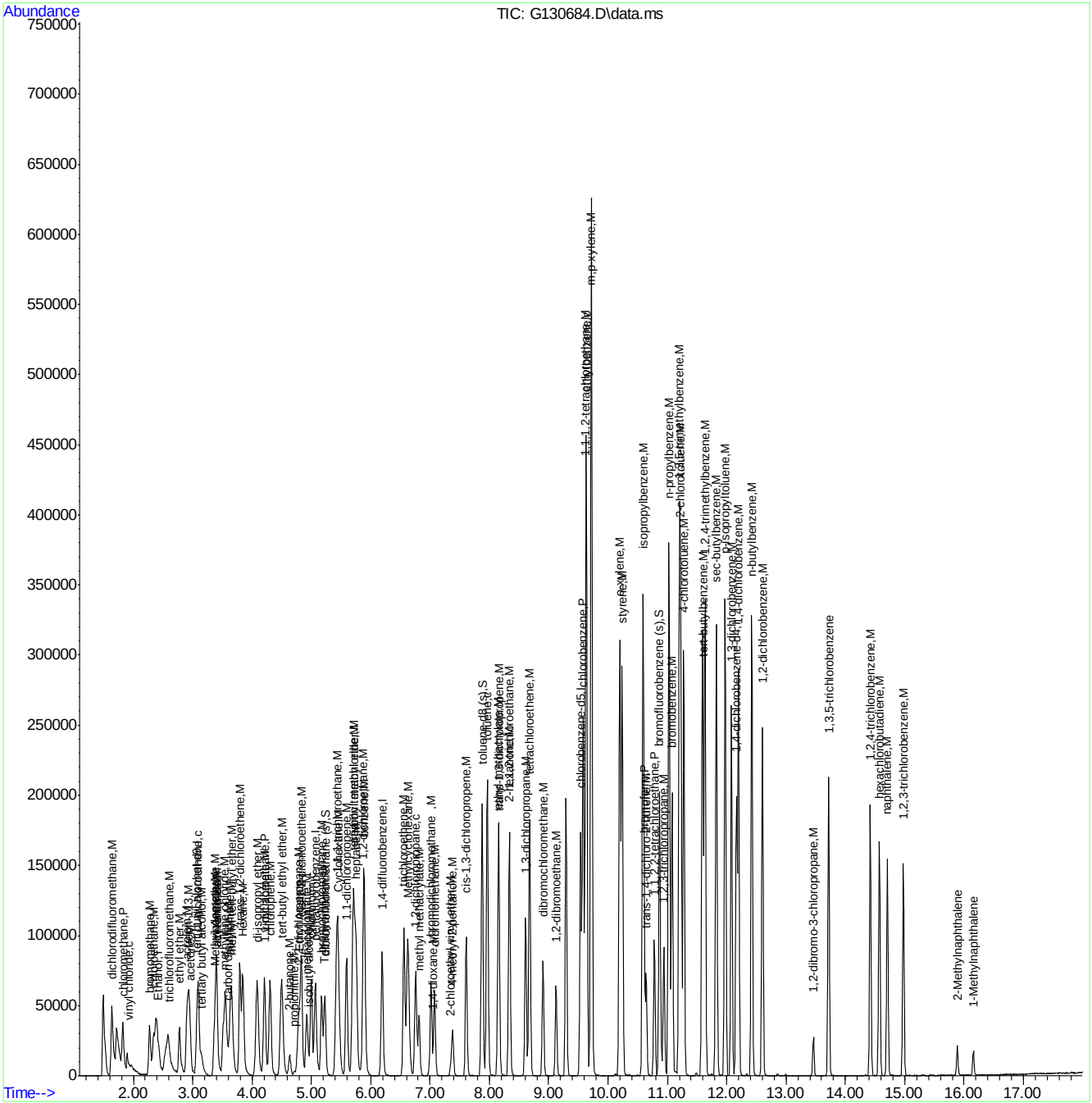


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70800.D
Acq On : 5 Aug 2013 2:01 pm
Operator : krystend
Sample : IC2318-0.5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 16:54:16 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:53:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.092	65	233662	500.00	ug/L	0.01
4) pentafluorobenzene	8.456	168	691029	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.312	114	948654	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	553994	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.112	152	368148	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	0.000	113	0d	0.00	ug/L	
Spiked Amount 50.000	Range 35 - 65		Recovery =	0.00%#		
60) toluene-d8 (s)	0.000	98	0d	0.00	ug/L	
Spiked Amount 50.000	Range 35 - 65		Recovery =	0.00%#		
82) bromofluorobenzene (s)	0.000	95	0d	0.00	ug/L	
Spiked Amount 50.000	Range 35 - 65		Recovery =	0.00%#		
Target Compounds						Qvalue
47) benzene	9.103	78	26513	0.93	ug/L	99
51) trichloroethene	9.729	95	5931	0.71	ug/L	84
67) tetrachloroethene	11.899	166	4757	0.67	ug/L	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

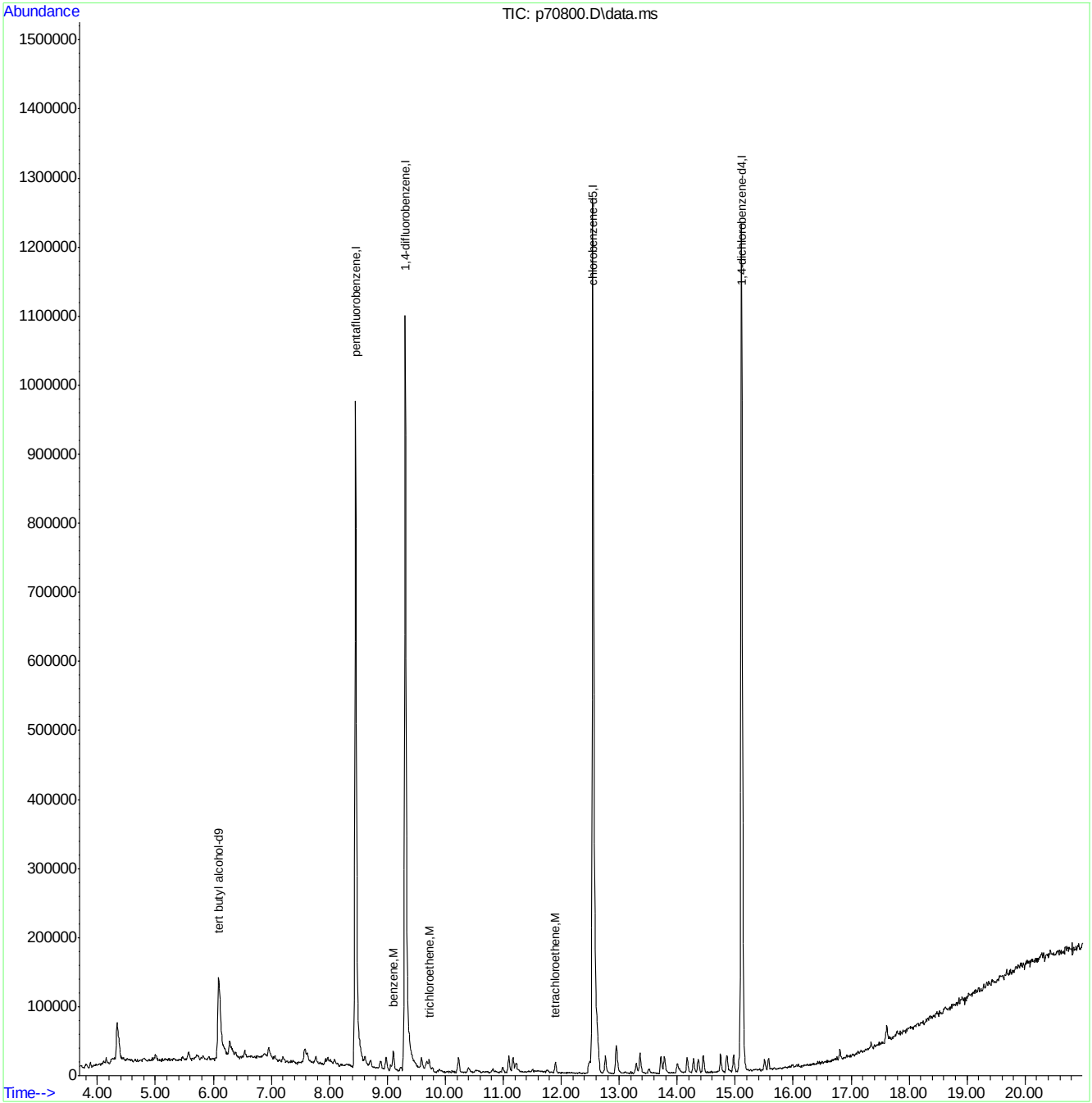
7.6.13

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70800.D
Acq On : 5 Aug 2013 2:01 pm
Operator : krystend
Sample : IC2318-0.5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 16:54:16 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:53:04 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23630

Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/06/13 16:32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70801.D
Acq On : 5 Aug 2013 2:29 pm
Operator : krystend
Sample : IC2318-2
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 16:56:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:54:31 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.078	65	238728	500.00	ug/L		0.00
4) pentafluorobenzene	8.456	168	669020	50.00	ug/L		0.00
43) 1,4-difluorobenzene	9.312	114	913259	50.00	ug/L		0.00
66) chlorobenzene-d5	12.545	82	521104	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.112	152	357788	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.086	113	12205	1.41	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 2.82%#				
60) toluene-d8 (s)	11.097	98	50122	1.54	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 3.08%#				
82) bromofluorobenzene (s)	13.778	95	20881	1.86	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 3.72%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.173	59	12030	21.15	ug/L	#	55
3) Ethanol	4.994	45	10641	138.18	ug/L		96
5) dichlorodifluoromethane	4.152	85	11525	1.97	ug/L		80
6) chloromethane	4.111	50	12712	2.41	ug/L		83
7) vinyl chloride	4.334	62	19525	2.56	ug/L	#	33
8) bromomethane	4.805	96	4993	2.09	ug/L		95
9) chloroethane	4.960	64	7237	2.39	ug/L		87
10) ethyl ether	5.816	59	7664	1.86	ug/L		88
11) acetonitrile	5.472	41	9746	3.48	ug/L		99
12) trichlorofluoromethane	5.566	101	26620	2.09	ug/L		97
13) freon-113	6.314	101	12022	2.15	ug/L		92
14) acrolein	5.580	56	6325	16.98	ug/L		91
15) 1,1-dichloroethene	6.132	96	10715	2.42	ug/L	#	80
16) acetone	5.708	58	3768	4.47	ug/L		92
17) Methyl Acetate	6.328	43	14583	2.32	ug/L		98
18) methylene chloride	6.280	84	16481	3.04	ug/L		86
19) methyl tert butyl ether	7.055	73	22973	2.04	ug/L		94
20) acrylonitrile	6.193	53	3926	2.33	ug/L		100
21) allyl chloride	6.375	41	14184	1.81	ug/L		91
22) trans-1,2-dichloroethene	6.954	96	12932	2.10	ug/L		97
23) iodomethane	6.186	142	5136	1.28	ug/L		97
24) carbon disulfide	6.536	76	25445	2.02	ug/L		97
25) propionitrile	7.237	54	1323m	1.46	ug/L		
26) vinyl acetate	7.318	43	17911	1.94	ug/L		93
27) chloroprene	7.560	53	23525	1.79	ug/L		99
28) di-isopropyl ether	7.614	45	48884	1.95	ug/L		97
29) methacrylonitrile	7.742	41	7974	1.79	ug/L		94
30) 2-butanone	7.634	72	971m	1.05	ug/L		
31) Hexane	7.580	41	30783	2.18	ug/L		93
32) 1,1-dichloroethane	7.203	63	26020	2.09	ug/L		93
33) tert-butyl ethyl ether	8.005	59	15905	2.02	ug/L		98
34) isobutyl alcohol	7.614	43	43766	9.16	ug/L		81
35) 2,2-dichloropropane	8.052	77	5503	0.81	ug/L		91
36) cis-1,2-dichloroethene	7.769	96	14802	2.12	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70801.D
Acq On : 5 Aug 2013 2:29 pm
Operator : krystend
Sample : IC2318-2
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 16:56:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:54:31 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	7.938	128	5342	2.01	ug/L		93
39) chloroform	7.971	83	26444	1.92	ug/L		97
41) Tetrahydrofuran	8.308	42	4996	2.44	ug/L		82
42) 1,1,1-trichloroethane	8.705	97	22777	1.79	ug/L		95
44) Cyclohexane	8.982	56	27106	2.00	ug/L		98
45) carbon tetrachloride	9.056	117	17371	1.66	ug/L		99
46) 1,1-dichloropropene	8.887	75	21519	1.96	ug/L		95
47) benzene	9.103	78	63524	1.62	ug/L		97
48) 1,2-dichloroethane	8.618	62	24543	1.99	ug/L		97
49) tert-amyl methyl ether	9.224	73	14255	2.52	ug/L		91
50) heptane	9.588	43	26809	2.10	ug/L		94
51) trichloroethene	9.723	95	15342	1.58	ug/L		94
52) 1,2-dichloropropane	9.689	63	16207	2.20	ug/L		93
53) dibromomethane	9.662	93	7507	1.89	ug/L		87
54) bromodichloromethane	9.777	83	16697	1.60	ug/L		99
55) Methylcyclohexane	10.228	83	24898	1.97	ug/L		89
57) methyl methacrylate	9.891	69	7592	1.77	ug/L		95
59) cis-1,3-dichloropropene	10.396	75	18175	1.53	ug/L		95
61) 4-methyl-2-pentanone	10.524	43	12456	1.73	ug/L	#	90
62) toluene	11.164	92	31803	1.80	ug/L		96
63) trans-1,3-dichloropropene	10.821	75	14148	1.45	ug/L		97
64) 1,1,2-trichloroethane	10.989	83	9316	1.74	ug/L		88
65) ethyl methacrylate	11.218	69	11426	1.40	ug/L	#	19
67) tetrachloroethene	11.899	166	14139	1.81	ug/L		99
68) 1,3-dichloropropane	11.218	76	19989	1.99	ug/L		92
69) dibromochloromethane	11.501	129	8364	1.37	ug/L		76
70) 1,2-dibromoethane	11.750	107	10795	1.85	ug/L		97
71) 2-hexanone	11.400	43	11384	2.33	ug/L		69
72) chlorobenzene	12.579	112	36599	2.09	ug/L		94
73) 1,1,1,2-tetrachloroethane	12.498	131	11012	1.77	ug/L		88
74) ethylbenzene	12.761	91	70204	2.11	ug/L		100
75) m,p-xylene	12.943	106	50430	4.06	ug/L		96
76) o-xylene	13.354	106	23578	1.90	ug/L		96
77) styrene	13.286	104	31912	1.67	ug/L		94
78) bromoform	13.098	173	4609	1.35	ug/L		84
79) trans-1,4-dichloro-2-b...	13.515	53	1261m	0.99	ug/L		
81) isopropylbenzene	13.717	105	68635	2.12	ug/L		98
83) bromobenzene	14.007	156	13139	1.93	ug/L		90
84) 1,1,2,2-tetrachloroethane	13.360	83	13354	1.95	ug/L		96
85) 1,2,3-trichloropropane	13.509	75	13092	1.86	ug/L		95
86) n-propylbenzene	14.169	91	75902	2.06	ug/L		98
87) 2-chlorotoluene	14.276	91	46787	2.05	ug/L		100
88) 4-chlorotoluene	14.357	91	47200	2.04	ug/L		100
89) 1,3,5-trimethylbenzene	14.445	105	53145	1.99	ug/L		98
90) tert-butylbenzene	14.748	91	37461	2.16	ug/L		89
91) 1,2,4-trimethylbenzene	14.856	105	49542	1.91	ug/L		94
92) sec-butylbenzene	14.970	105	65532	1.91	ug/L		95
93) 1,3-dichlorobenzene	15.071	146	24121	1.91	ug/L		95
94) p-isopropyltoluene	15.145	119	45840	1.91	ug/L		98
95) 1,4-dichlorobenzene	15.139	146	24731	2.06	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70801.D
Acq On : 5 Aug 2013 2:29 pm
Operator : krystend
Sample : IC2318-2
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 16:56:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:54:31 2013
Response via : Initial Calibration

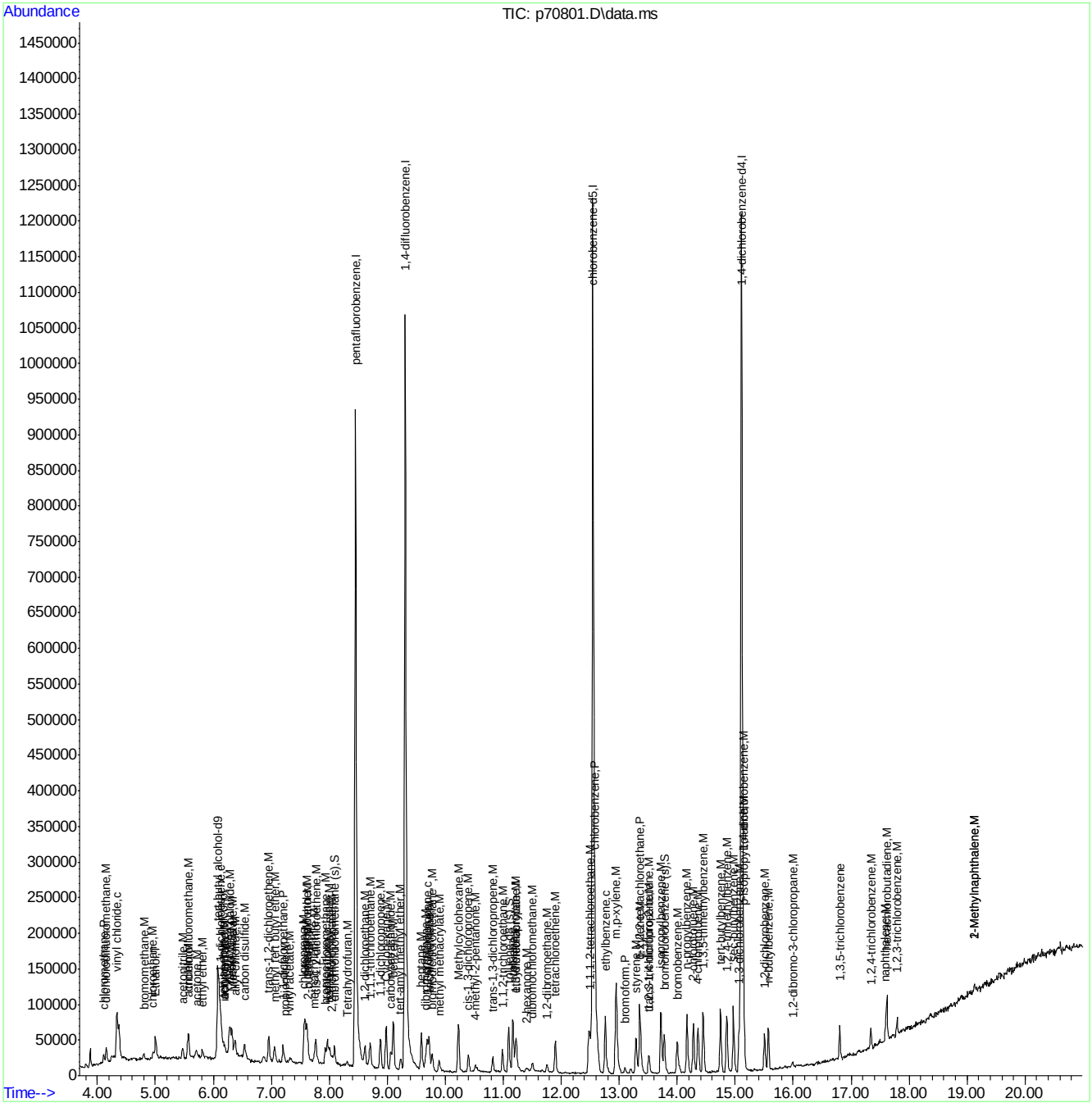
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96)	1,2-dichlorobenzene	15.502	146	22739	1.93	ug/L	98
97)	n-butylbenzene	15.570	91	38746	1.53	ug/L	92
98)	1,2-dibromo-3-chloropr...	15.994	75	2209m	1.76	ug/L	
99)	1,3,5-trichlorobenzene	16.803	180	15301	1.72	ug/L	100
100)	1,2,4-trichlorobenzene	17.341	180	8537	1.06	ug/L	95
101)	hexachlorobutadiene	17.618	225	12920	2.16	ug/L	99
102)	naphthalene	17.591	128	13594	1.07	ug/L	100
103)	1,2,3-trichlorobenzene	17.793	180	7578	1.09	ug/L	97
104)	2-Methylnaphthalene	19.127	142	4300	1.07	ug/L	96
105)	1-Methylnaphthalene	19.127	142	4300	1.21	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70801.D
Acq On : 5 Aug 2013 2:29 pm
Operator : krystend
Sample : IC2318-2
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 16:56:18 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:54:31 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23630

Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
08/06/13 16:32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70802.D
Acq On : 5 Aug 2013 2:57 pm
Operator : krystend
Sample : IC2318-5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 08:53:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:56:28 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.065	65	179401	500.00	ug/L	-0.01
4) pentafluorobenzene	8.456	168	672764	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.312	114	911074	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	533139	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.112	152	391373	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.092	113	31134	3.80	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 7.60%#			
60) toluene-d8 (s)	11.090	98	117209	3.68	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 7.36%#			
82) bromofluorobenzene (s)	13.771	95	46780	3.52	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 7.04%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.152	59	19989	45.46	ug/L #	55
3) Ethanol	4.973	45	33495	684.61	ug/L	94
5) dichlorodifluoromethane	4.152	85	27219	4.66	ug/L	98
6) chloromethane	4.111	50	29588	5.06	ug/L	89
7) vinyl chloride	4.334	62	42521	4.86	ug/L	63
8) bromomethane	4.798	96	9103	3.71	ug/L	98
9) chloroethane	4.953	64	17140	5.13	ug/L	98
10) ethyl ether	5.816	59	19475	4.87	ug/L	96
11) acetonitrile	5.472	41	23212	6.01	ug/L	98
12) trichlorofluoromethane	5.566	101	63857	4.87	ug/L	99
13) freon-113	6.314	101	31552	5.40	ug/L	95
14) acrolein	5.573	56	9641	19.08	ug/L	91
15) 1,1-dichloroethene	6.132	96	21376	4.34	ug/L	97
16) acetone	5.701	58	5081	3.71	ug/L	93
17) Methyl Acetate	6.321	43	34762	5.09	ug/L	99
18) methylene chloride	6.280	84	33519	4.88	ug/L	94
19) methyl tert butyl ether	7.055	73	44545	3.89	ug/L	99
20) acrylonitrile	6.199	53	10028	5.46	ug/L	88
21) allyl chloride	6.375	41	38828	5.17	ug/L	98
22) trans-1,2-dichloroethene	6.954	96	29939	4.72	ug/L	97
23) iodomethane	6.179	142	8582	2.59	ug/L	95
24) carbon disulfide	6.536	76	66127	5.19	ug/L	98
25) propionitrile	7.230	54	3194	4.05	ug/L	100
26) vinyl acetate	7.318	43	36475	3.99	ug/L	98
27) chloroprene	7.567	53	58509	4.67	ug/L	95
28) di-isopropyl ether	7.614	45	118352	4.76	ug/L	95
29) methacrylonitrile	7.735	41	16051	3.78	ug/L	90
30) 2-butanone	7.628	72	3066	4.32	ug/L #	80
31) Hexane	7.580	41	69309	4.67	ug/L	96
32) 1,1-dichloroethane	7.203	63	60682	4.74	ug/L	97
33) tert-butyl ethyl ether	8.005	59	33265	4.18	ug/L	90
34) isobutyl alcohol	7.607	43	108502	23.58	ug/L	77
35) 2,2-dichloropropane	8.052	77	15847	3.31	ug/L	97
36) cis-1,2-dichloroethene	7.769	96	32382	4.48	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70802.D
Acq On : 5 Aug 2013 2:57 pm
Operator : krystend
Sample : IC2318-5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 08:53:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:56:28 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.295	43	4355	8.82	ug/L	#	62
38) bromochloromethane	7.931	128	11374	4.24	ug/L		95
39) chloroform	7.964	83	66902	4.93	ug/L		93
41) Tetrahydrofuran	8.295	42	9977	4.36	ug/L		98
42) 1,1,1-trichloroethane	8.705	97	55821	4.61	ug/L		94
44) Cyclohexane	8.982	56	64854	4.79	ug/L		96
45) carbon tetrachloride	9.062	117	42854	4.49	ug/L		96
46) 1,1-dichloropropene	8.881	75	51532	4.75	ug/L		96
47) benzene	9.103	78	148406	4.05	ug/L		99
48) 1,2-dichloroethane	8.611	62	58765	4.78	ug/L		96
49) tert-amyl methyl ether	9.231	73	26770	4.20	ug/L		98
50) heptane	9.588	43	59947	4.59	ug/L		96
51) trichloroethene	9.723	95	41213	4.57	ug/L		94
52) 1,2-dichloropropane	9.689	63	34767	4.51	ug/L		99
53) dibromomethane	9.662	93	17778	4.61	ug/L		99
54) bromodichloromethane	9.777	83	42021	4.49	ug/L		100
55) Methylcyclohexane	10.228	83	58559	4.68	ug/L		98
56) 2-chloroethyl vinyl ether	10.235	63	1048m	6.24	ug/L		
57) methyl methacrylate	9.884	69	14263	3.54	ug/L		99
58) 1,4-dioxane	9.891	88	889m	14.33	ug/L		
59) cis-1,3-dichloropropene	10.396	75	44093	4.22	ug/L		92
61) 4-methyl-2-pentanone	10.504	43	27108	4.05	ug/L	#	88
62) toluene	11.164	92	81290	4.86	ug/L		96
63) trans-1,3-dichloropropene	10.821	75	34719	4.13	ug/L		100
64) 1,1,2-trichloroethane	10.982	83	22791	4.56	ug/L		93
65) ethyl methacrylate	11.211	69	29747	4.30	ug/L	#	7
67) tetrachloroethene	11.898	166	34504	4.46	ug/L		99
68) 1,3-dichloropropane	11.218	76	48091	4.69	ug/L		96
69) dibromochloromethane	11.501	129	21272	4.05	ug/L		98
70) 1,2-dibromoethane	11.750	107	26618	4.64	ug/L		91
71) 2-hexanone	11.380	43	20900	3.86	ug/L		82
72) chlorobenzene	12.579	112	90620	4.95	ug/L		97
73) 1,1,1,2-tetrachloroethane	12.498	131	26880	4.48	ug/L		93
74) ethylbenzene	12.761	91	168088	4.81	ug/L		99
75) m,p-xylene	12.943	106	122667	9.58	ug/L		98
76) o-xylene	13.354	106	61768	4.98	ug/L		96
77) styrene	13.286	104	83547	4.66	ug/L		98
78) bromoform	13.098	173	11112	3.80	ug/L		91
79) trans-1,4-dichloro-2-b...	13.354	53	3519	3.61	ug/L	#	1
81) isopropylbenzene	13.717	105	166534	4.57	ug/L		97
83) bromobenzene	14.000	156	34548	4.73	ug/L		93
84) 1,1,2,2-tetrachloroethane	13.360	83	31805	4.30	ug/L		92
85) 1,2,3-trichloropropane	13.508	75	30442	4.10	ug/L		98
86) n-propylbenzene	14.169	91	189281	4.63	ug/L		99
87) 2-chlorotoluene	14.276	91	122404	4.84	ug/L		98
88) 4-chlorotoluene	14.357	91	117687	4.60	ug/L		91
89) 1,3,5-trimethylbenzene	14.445	105	139873	4.80	ug/L		95
90) tert-butylbenzene	14.748	91	93033	4.72	ug/L		99
91) 1,2,4-trimethylbenzene	14.856	105	132160	4.77	ug/L		98
92) sec-butylbenzene	14.970	105	175628	4.79	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70802.D
Acq On : 5 Aug 2013 2:57 pm
Operator : krystend
Sample : IC2318-5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 08:53:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:56:28 2013
Response via : Initial Calibration

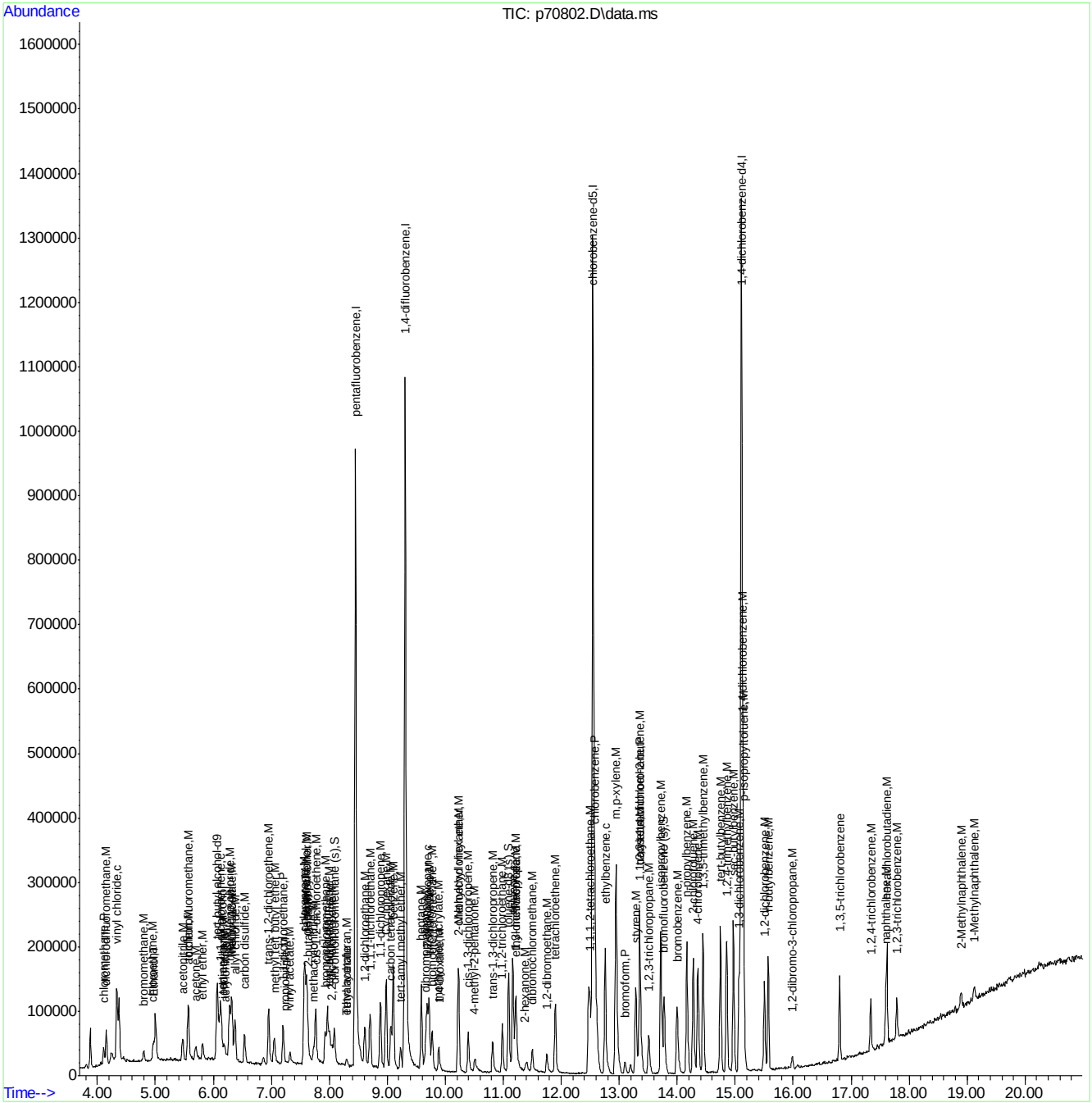
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.071	146	64590	4.78	ug/L	98
94)	p-isopropyltoluene	15.145	119	119943	4.68	ug/L	99
95)	1,4-dichlorobenzene	15.132	146	64869	4.87	ug/L	95
96)	1,2-dichlorobenzene	15.502	146	58589	4.63	ug/L	99
97)	n-butylbenzene	15.570	91	111031	4.54	ug/L	99
98)	1,2-dibromo-3-chloropr...	15.987	75	4681	3.62	ug/L	85
99)	1,3,5-trichlorobenzene	16.803	180	42585	4.70	ug/L	97
100)	1,2,4-trichlorobenzene	17.341	180	27958	4.15	ug/L	92
101)	hexachlorobutadiene	17.618	225	32688	4.80	ug/L	93
102)	naphthalene	17.597	128	30969	2.91	ug/L	100
103)	1,2,3-trichlorobenzene	17.786	180	22151	3.76	ug/L	94
104)	2-Methylnaphthalene	18.898	142	10893	2.40	ug/L	93
105)	1-Methylnaphthalene	19.127	142	10749	2.51	ug/L	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70802.D
Acq On : 5 Aug 2013 2:57 pm
Operator : krystend
Sample : IC2318-5
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 08:53:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Mon Aug 05 16:56:28 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23630

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70804.D
Acq On : 5 Aug 2013 3:53 pm
Operator : krystend
Sample : IC2318-20
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 08:54:59 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:54:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.058	65	271397	500.00	ug/L	-0.02
4) pentafluorobenzene	8.449	168	715229	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.305	114	975838	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	587115	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	431995	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	135768	16.75	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 33.50%#			
60) toluene-d8 (s)	11.090	98	508112	16.24	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 32.48%#			
82) bromofluorobenzene (s)	13.771	95	197351	14.95	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 29.90%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.146	59	121200	190.43	ug/L	94
3) Ethanol	4.980	45	155866	1913.50	ug/L	94
5) dichlorodifluoromethane	4.152	85	114523	19.17	ug/L	95
6) chloromethane	4.104	50	108765	17.93	ug/L	98
7) vinyl chloride	4.327	62	150909	16.96	ug/L	96
8) bromomethane	4.798	96	37653	15.38	ug/L	99
9) chloroethane	4.953	64	63004	17.86	ug/L	97
10) ethyl ether	5.809	59	80278	19.30	ug/L	92
11) acetonitrile	5.465	41	60317	14.09	ug/L	98
12) trichlorofluoromethane	5.566	101	263848	19.23	ug/L	99
13) freon-113	6.314	101	116155	18.64	ug/L	97
14) acrolein	5.566	56	42435	87.56	ug/L	98
15) 1,1-dichloroethene	6.125	96	90373	18.45	ug/L	97
16) acetone	5.694	58	20654	16.26	ug/L	97
17) Methyl Acetate	6.314	43	133729	18.40	ug/L	100
18) methylene chloride	6.274	84	113510	16.38	ug/L	92
19) methyl tert butyl ether	7.048	73	229126	19.90	ug/L	98
20) acrylonitrile	6.193	53	36096	17.85	ug/L	94
21) allyl chloride	6.368	41	156441	18.80	ug/L	96
22) trans-1,2-dichloroethene	6.954	96	121005	18.56	ug/L	96
23) iodomethane	6.179	142	70213	23.13	ug/L	96
24) carbon disulfide	6.536	76	226245	16.42	ug/L	100
25) propionitrile	7.223	54	18010	21.90	ug/L	100
26) vinyl acetate	7.311	43	176897	19.45	ug/L	96
27) chloroprene	7.560	53	266281	20.36	ug/L	99
28) di-isopropyl ether	7.607	45	502223	19.37	ug/L	99
29) methacrylonitrile	7.722	41	80509	18.87	ug/L	95
30) 2-butanone	7.621	72	15029	19.87	ug/L	96
31) Hexane	7.580	41	283325	18.72	ug/L	94
32) 1,1-dichloroethane	7.203	63	255802	19.18	ug/L	99
33) tert-butyl ethyl ether	7.998	59	170637	20.58	ug/L	99
34) isobutyl alcohol	7.607	43	482335	100.44	ug/L	91
35) 2,2-dichloropropane	8.045	77	130945	28.18	ug/L	99
36) cis-1,2-dichloroethene	7.762	96	138494	18.94	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70804.D
Acq On : 5 Aug 2013 3:53 pm
Operator : krystend
Sample : IC2318-20
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 08:54:59 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:54:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.294	43	12707	18.36	ug/L	#	62
38) bromochloromethane	7.924	128	51786	19.03	ug/L		93
39) chloroform	7.964	83	278827	19.49	ug/L		97
41) Tetrahydrofuran	8.294	42	38129	16.90	ug/L		99
42) 1,1,1-trichloroethane	8.705	97	251524	20.10	ug/L		99
44) Cyclohexane	8.982	56	278778	19.60	ug/L		98
45) carbon tetrachloride	9.062	117	201898	20.56	ug/L		98
46) 1,1-dichloropropene	8.881	75	223477	19.61	ug/L		99
47) benzene	9.096	78	570936	15.97	ug/L		100
48) 1,2-dichloroethane	8.611	62	245902	19.08	ug/L		99
49) tert-amyl methyl ether	9.224	73	131607	19.89	ug/L		99
50) heptane	9.581	43	261997	19.45	ug/L		97
51) trichloroethene	9.716	95	158542	17.09	ug/L		97
52) 1,2-dichloropropane	9.682	63	151777	19.17	ug/L		98
53) dibromomethane	9.655	93	76594	19.24	ug/L		96
54) bromodichloromethane	9.770	83	190327	19.63	ug/L		99
55) Methylcyclohexane	10.228	83	253325	19.44	ug/L		97
56) 2-chloroethyl vinyl ether	10.228	63	3535	18.91	ug/L	#	97
57) methyl methacrylate	9.884	69	80628	20.33	ug/L		94
58) 1,4-dioxane	9.878	88	6278	110.00	ug/L		99
59) cis-1,3-dichloropropene	10.389	75	219335	20.63	ug/L		100
61) 4-methyl-2-pentanone	10.497	43	142213	20.81	ug/L		98
62) toluene	11.164	92	357869	20.12	ug/L		100
63) trans-1,3-dichloropropene	10.814	75	180810	21.06	ug/L		100
64) 1,1,2-trichloroethane	10.982	83	101653	19.46	ug/L		100
65) ethyl methacrylate	11.198	69	155306	21.53	ug/L		98
67) tetrachloroethene	11.898	166	146928	18.07	ug/L		96
68) 1,3-dichloropropane	11.218	76	212791	19.23	ug/L		98
69) dibromochloromethane	11.501	129	112349	20.78	ug/L		99
70) 1,2-dibromoethane	11.750	107	120509	19.56	ug/L		98
71) 2-hexanone	11.353	43	105355	19.14	ug/L		96
72) chlorobenzene	12.579	112	385518	19.24	ug/L		98
73) 1,1,1,2-tetrachloroethane	12.498	131	128188	20.16	ug/L		98
74) ethylbenzene	12.754	91	726859	19.29	ug/L		99
75) m,p-xylene	12.943	106	545244	39.28	ug/L		99
76) o-xylene	13.353	106	269011	19.79	ug/L		98
77) styrene	13.279	104	386532	20.12	ug/L		99
78) bromoform	13.098	173	59158	20.10	ug/L		90
79) trans-1,4-dichloro-2-b...	13.515	53	24177	24.28	ug/L	#	87
81) isopropylbenzene	13.717	105	741883	19.08	ug/L		98
83) bromobenzene	13.993	156	151967	19.34	ug/L		96
84) 1,1,2,2-tetrachloroethane	13.360	83	149915	19.21	ug/L		96
85) 1,2,3-trichloropropane	13.508	75	151275	19.48	ug/L		97
86) n-propylbenzene	14.162	91	837602	19.10	ug/L		100
87) 2-chlorotoluene	14.276	91	521031	18.96	ug/L		99
88) 4-chlorotoluene	14.350	91	512817	18.83	ug/L		97
89) 1,3,5-trimethylbenzene	14.445	105	604572	19.12	ug/L		97
90) tert-butylbenzene	14.741	91	397958	18.72	ug/L		99
91) 1,2,4-trimethylbenzene	14.849	105	580683	19.37	ug/L		98
92) sec-butylbenzene	14.970	105	770810	19.32	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70804.D
Acq On : 5 Aug 2013 3:53 pm
Operator : krystend
Sample : IC2318-20
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 08:54:59 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:54:49 2013
Response via : Initial Calibration

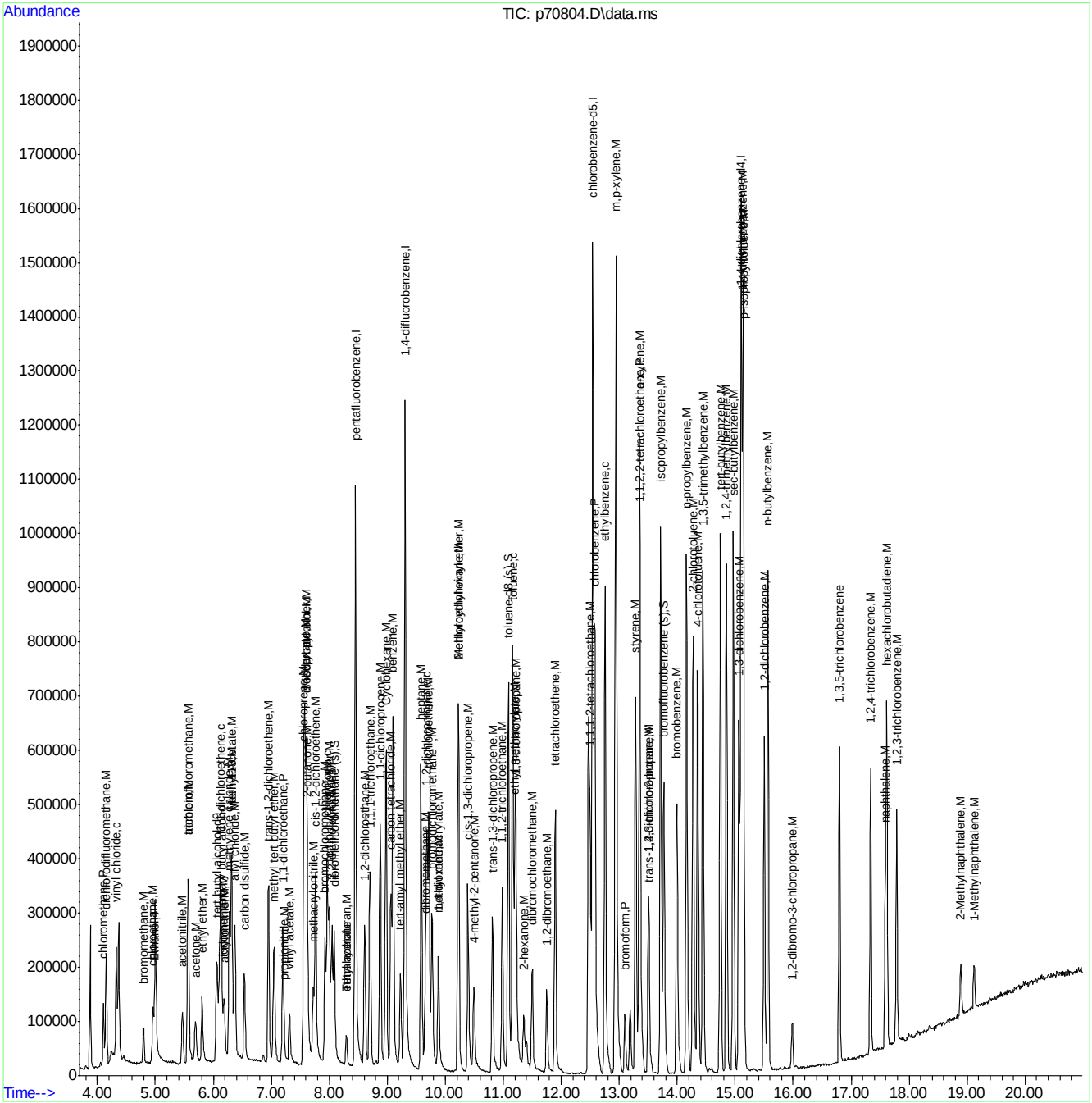
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	280643	19.20	ug/L	97
94)	p-isopropyltoluene	15.145	119	543874	19.66	ug/L	99
95)	1,4-dichlorobenzene	15.132	146	274484	19.08	ug/L	99
96)	1,2-dichlorobenzene	15.502	146	260895	19.35	ug/L	96
97)	n-butylbenzene	15.563	91	558427	21.15	ug/L	99
98)	1,2-dibromo-3-chloropr...	15.981	75	24694	19.24	ug/L	99
99)	1,3,5-trichlorobenzene	16.796	180	195105	20.27	ug/L	96
100)	1,2,4-trichlorobenzene	17.335	180	164076	23.45	ug/L	95
101)	hexachlorobutadiene	17.618	225	133762	18.32	ug/L	94
102)	naphthalene	17.591	128	211907	22.02	ug/L	100
103)	1,2,3-trichlorobenzene	17.786	180	136774	22.82	ug/L	98
104)	2-Methylnaphthalene	18.891	142	47660	9.64	ug/L	94
105)	1-Methylnaphthalene	19.120	142	43378	9.27	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70804.D
Acq On : 5 Aug 2013 3:53 pm
Operator : krystend
Sample : IC2318-20
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 08:54:59 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:54:49 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70805.D
Acq On : 5 Aug 2013 4:21 pm
Operator : krystend
Sample : ICC2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 09:17:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 09:17:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	249579	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	730946	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.305	114	1005148	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	627345	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	464823	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	378766	37.99	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 75.98%#			
60) toluene-d8 (s)	11.090	98	1430363	37.74	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 75.48%#			
82) bromofluorobenzene (s)	13.771	95	583813	38.66	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 77.32%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	297329	533.69	ug/L	100
3) Ethanol	4.987	45	402531	5555.25	ug/L	100
5) dichlorodifluoromethane	4.152	85	319367	53.28	ug/L	100
6) chloromethane	4.104	50	287740	45.93	ug/L	100
7) vinyl chloride	4.333	62	417384	50.11	ug/L	100
8) bromomethane	4.798	96	130454	46.41	ug/L	100
9) chloroethane	4.960	64	165571	49.00	ug/L	100
10) ethyl ether	5.809	59	225073	53.36	ug/L	100
11) acetonitrile	5.472	41	153091	52.19	ug/L	100
12) trichlorofluoromethane	5.566	101	697305	53.07	ug/L	100
13) freon-113	6.314	101	305903	50.05	ug/L	100
14) acrolein	5.573	56	101726	263.46	ug/L	100
15) 1,1-dichloroethene	6.132	96	242111	51.16	ug/L	100
16) acetone	5.701	58	46046	57.48	ug/L	100
17) Methyl Acetate	6.321	43	343285	49.17	ug/L	100
18) methylene chloride	6.280	84	296640	52.62	ug/L	100
19) methyl tert butyl ether	7.048	73	615433	51.91	ug/L	100
20) acrylonitrile	6.193	53	92233	49.09	ug/L	100
21) allyl chloride	6.368	41	428649	54.78	ug/L	100
22) trans-1,2-dichloroethene	6.954	96	336380	51.69	ug/L	100
23) iodomethane	6.186	142	219778	49.59	ug/L	100
24) carbon disulfide	6.536	76	689584	43.48	ug/L	100
25) propionitrile	7.223	54	49593	52.90	ug/L	100
26) vinyl acetate	7.311	43	503886	52.45	ug/L	100
27) chloroprene	7.560	53	717988	53.93	ug/L	100
28) di-isopropyl ether	7.607	45	1366876	53.60	ug/L	100
29) methacrylonitrile	7.729	41	246772	57.02	ug/L	100
30) 2-butanone	7.621	72	50615	59.82	ug/L	100
31) Hexane	7.580	41	771571	52.95	ug/L	100
32) 1,1-dichloroethane	7.203	63	680213	51.88	ug/L	100
33) tert-butyl ethyl ether	7.998	59	429995	46.70	ug/L	100
34) isobutyl alcohol	7.614	43	1304578	273.92	ug/L	100
35) 2,2-dichloropropane	8.045	77	370642	43.36	ug/L	100
36) cis-1,2-dichloroethene	7.762	96	381060	51.78	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70805.D
Acq On : 5 Aug 2013 4:21 pm
Operator : krystend
Sample : ICC2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 09:17:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 09:17:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.294	43	26836	50.43	ug/L		100
38) bromochloromethane	7.931	128	145273	55.05	ug/L		100
39) chloroform	7.964	83	752679	52.97	ug/L		100
41) Tetrahydrofuran	8.294	42	112060	50.58	ug/L		100
42) 1,1,1-trichloroethane	8.705	97	693473	53.89	ug/L		100
44) Cyclohexane	8.982	56	746480	52.74	ug/L		100
45) carbon tetrachloride	9.062	117	575203	55.09	ug/L		100
46) 1,1-dichloropropene	8.881	75	604306	53.19	ug/L		100
47) benzene	9.096	78	1512455	52.80	ug/L		100
48) 1,2-dichloroethane	8.611	62	680083	53.59	ug/L		100
49) tert-amyl methyl ether	9.231	73	310826	46.45	ug/L		100
50) heptane	9.581	43	702795	52.72	ug/L		100
51) trichloroethene	9.716	95	441328	52.07	ug/L		100
52) 1,2-dichloropropane	9.689	63	404725	51.28	ug/L		100
53) dibromomethane	9.655	93	219108	54.28	ug/L		100
54) bromodichloromethane	9.770	83	572649	54.53	ug/L		100
55) Methylcyclohexane	10.228	83	695163	52.69	ug/L		100
56) 2-chloroethyl vinyl ether	10.228	63	9259	56.44	ug/L	#	100
57) methyl methacrylate	9.884	69	235948	55.29	ug/L		100
58) 1,4-dioxane	9.877	88	17116	265.57	ug/L		100
59) cis-1,3-dichloropropene	10.389	75	652006	55.48	ug/L		100
61) 4-methyl-2-pentanone	10.497	43	396004	55.55	ug/L		100
62) toluene	11.164	92	971808	53.77	ug/L		100
63) trans-1,3-dichloropropene	10.814	75	537683	50.21	ug/L		100
64) 1,1,2-trichloroethane	10.982	83	295310	55.26	ug/L		100
65) ethyl methacrylate	11.198	69	448355	52.24	ug/L		100
67) tetrachloroethene	11.898	166	401389	48.62	ug/L		100
68) 1,3-dichloropropane	11.218	76	603888	52.61	ug/L		100
69) dibromochloromethane	11.501	129	366396	50.00	ug/L		100
70) 1,2-dibromoethane	11.750	107	350654	52.44	ug/L		100
71) 2-hexanone	11.360	43	294167	50.37	ug/L		100
72) chlorobenzene	12.579	112	1053941	50.37	ug/L		100
73) 1,1,1,2-tetrachloroethane	12.498	131	375299	53.42	ug/L		100
74) ethylbenzene	12.754	91	2000034	51.08	ug/L		100
75) m,p-xylene	12.943	106	1497181	103.69	ug/L		100
76) o-xylene	13.353	106	748837	52.27	ug/L		100
77) styrene	13.279	104	1150154	53.75	ug/L		100
78) bromoform	13.097	173	205689	47.40	ug/L		100
79) trans-1,4-dichloro-2-b...	13.515	53	76615	46.26	ug/L		100
81) isopropylbenzene	13.717	105	2100859	54.19	ug/L		100
83) bromobenzene	13.993	156	441293	53.79	ug/L		100
84) 1,1,2,2-tetrachloroethane	13.360	83	444699	55.43	ug/L		100
85) 1,2,3-trichloropropane	13.508	75	457115	54.67	ug/L		100
86) n-propylbenzene	14.162	91	2394644	54.75	ug/L		100
87) 2-chlorotoluene	14.276	91	1481434	53.02	ug/L		100
88) 4-chlorotoluene	14.350	91	1504573	53.77	ug/L		100
89) 1,3,5-trimethylbenzene	14.445	105	1737923	53.76	ug/L		100
90) tert-butylbenzene	14.741	91	1126549	52.71	ug/L		100
91) 1,2,4-trimethylbenzene	14.849	105	1683263	53.99	ug/L		100
92) sec-butylbenzene	14.970	105	2230110	54.96	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70805.D
Acq On : 5 Aug 2013 4:21 pm
Operator : krystend
Sample : ICC2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 09:17:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 09:17:04 2013
Response via : Initial Calibration

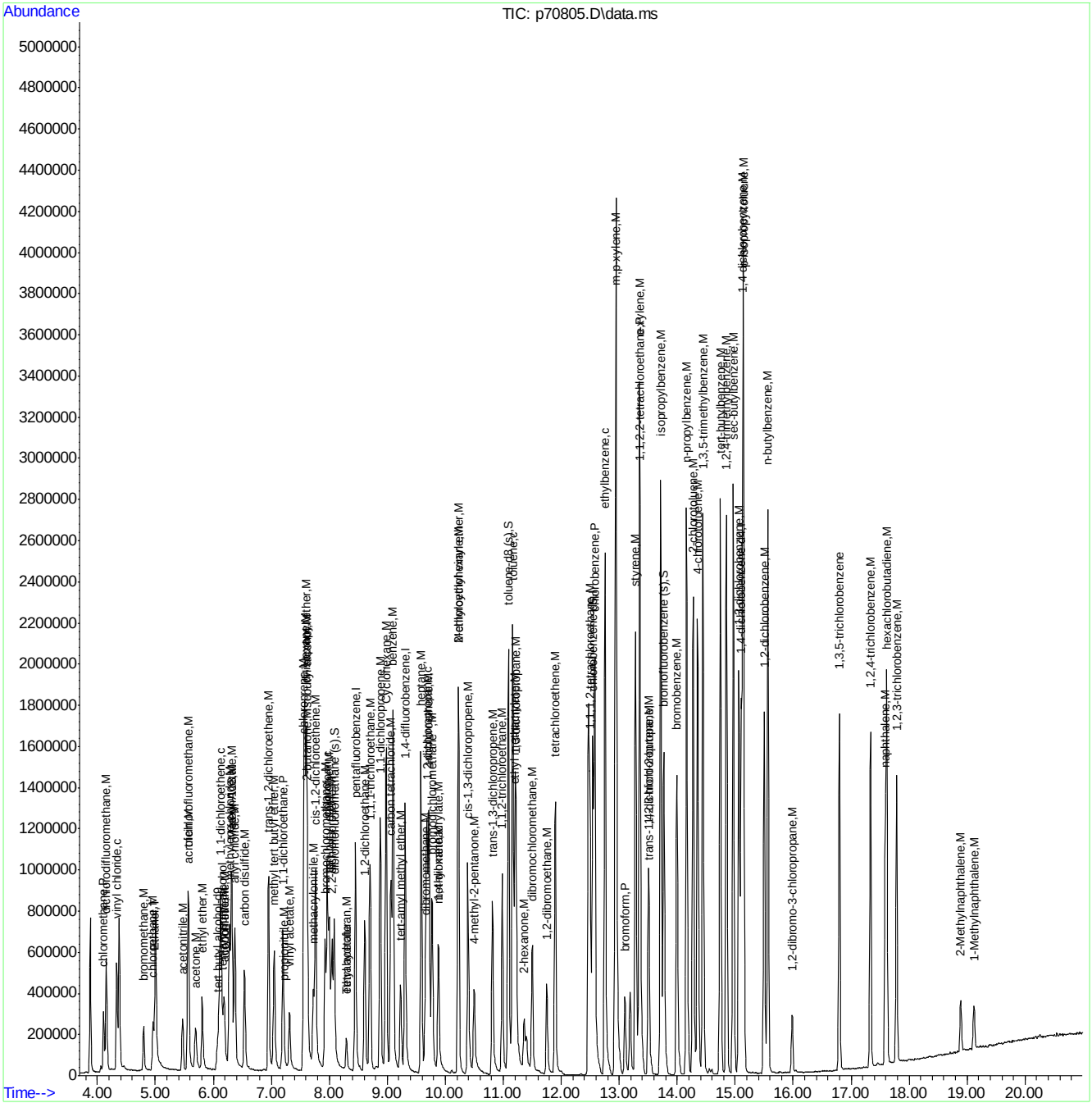
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	822423	53.43	ug/L	100
94)	p-isopropyltoluene	15.145	119	1555255	54.03	ug/L	100
95)	1,4-dichlorobenzene	15.132	146	779531	52.58	ug/L	100
96)	1,2-dichlorobenzene	15.502	146	764577	52.92	ug/L	100
97)	n-butylbenzene	15.563	91	1649220	56.04	ug/L	100
98)	1,2-dibromo-3-chloropr...	15.981	75	81716	48.89	ug/L	100
99)	1,3,5-trichlorobenzene	16.796	180	578341	53.64	ug/L	100
100)	1,2,4-trichlorobenzene	17.335	180	522122	50.37	ug/L	100
101)	hexachlorobutadiene	17.618	225	388346	49.68	ug/L	100
102)	naphthalene	17.591	128	822058	46.15	ug/L	100
103)	1,2,3-trichlorobenzene	17.786	180	452672	48.93	ug/L	100
104)	2-Methylnaphthalene	18.891	142	130404	24.56	ug/L	100
105)	1-Methylnaphthalene	19.120	142	115102	23.91	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70805.D
Acq On : 5 Aug 2013 4:21 pm
Operator : krystend
Sample : ICC2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 09:17:23 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 09:17:04 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23630

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70806.D
Acq On : 5 Aug 2013 4:49 pm
Operator : krystend
Sample : IC2318-100
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 08:55:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:21 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.065	65	256337	500.00	ug/L		-0.01
4) pentafluorobenzene	8.449	168	774182	50.00	ug/L		0.00
43) 1,4-difluorobenzene	9.305	114	1072323	50.00	ug/L		0.00
66) chlorobenzene-d5	12.545	82	648699	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.105	152	511595	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.086	113	957294	86.26	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 172.52%#				
60) toluene-d8 (s)	11.090	98	3558145	82.60	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 165.20%#				
82) bromofluorobenzene (s)	13.771	95	1528805	80.28	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 160.56%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.152	59	503061	676.93	ug/L		98
3) Ethanol	4.987	45	694313	7256.03	ug/L		98
5) dichlorodifluoromethane	4.152	85	578041	72.04	ug/L		100
6) chloromethane	4.105	50	532818	66.53	ug/L		98
7) vinyl chloride	4.334	62	769408	66.53	ug/L		99
8) bromomethane	4.798	96	276676	93.61	ug/L		97
9) chloroethane	4.953	64	310985	67.39	ug/L		97
10) ethyl ether	5.802	59	391044	69.91	ug/L		100
11) acetonitrile	5.465	41	213192	41.09	ug/L		96
12) trichlorofluoromethane	5.566	101	1210380	65.93	ug/L		99
13) freon-113	6.314	101	545906	65.63	ug/L		99
14) acrolein	5.566	56	170457	270.00	ug/L		100
15) 1,1-dichloroethene	6.132	96	429843	66.05	ug/L		98
16) acetone	5.694	58	73865	45.04	ug/L		92
17) Methyl Acetate	6.314	43	565697	59.26	ug/L		100
18) methylene chloride	6.280	84	518586	57.91	ug/L		96
19) methyl tert butyl ether	7.048	73	1062315	69.23	ug/L		99
20) acrylonitrile	6.193	53	157937	60.51	ug/L		99
21) allyl chloride	6.368	41	762558	70.68	ug/L		98
22) trans-1,2-dichloroethene	6.954	96	609789	70.50	ug/L		99
23) iodomethane	6.186	142	439883	102.28	ug/L		98
24) carbon disulfide	6.536	76	1540868	89.28	ug/L		99
25) propionitrile	7.223	54	82485	73.31	ug/L		100
26) vinyl acetate	7.311	43	875570	72.09	ug/L		99
27) chloroprene	7.560	53	1306626	73.50	ug/L		100
28) di-isopropyl ether	7.607	45	2399133	69.12	ug/L		98
29) methacrylonitrile	7.722	41	417241	75.25	ug/L		98
30) 2-butanone	7.621	72	93305	94.10	ug/L	#	67
31) Hexane	7.580	41	1347825	66.75	ug/L		99
32) 1,1-dichloroethane	7.203	63	1224124	68.85	ug/L		99
33) tert-butyl ethyl ether	7.998	59	786773	70.82	ug/L		99
34) isobutyl alcohol	7.607	43	2257321	346.91	ug/L		95
35) 2,2-dichloropropane	8.045	77	800094	110.91	ug/L		99
36) cis-1,2-dichloroethene	7.762	96	693007	70.93	ug/L		98

ACCUTEST LABORATORIES MC23630

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70806.D
Acq On : 5 Aug 2013 4:49 pm
Operator : krystend
Sample : IC2318-100
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 08:55:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:21 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.288	43	46555	47.41	ug/L		79
38) bromochloromethane	7.924	128	247648	68.83	ug/L		97
39) chloroform	7.964	83	1343440	69.95	ug/L		100
41) Tetrahydrofuran	8.295	42	188637	64.56	ug/L		96
42) 1,1,1-trichloroethane	8.705	97	1250445	73.62	ug/L		99
44) Cyclohexane	8.982	56	1336561	68.77	ug/L		98
45) carbon tetrachloride	9.063	117	1050088	76.73	ug/L		100
46) 1,1-dichloropropene	8.881	75	1065108	68.48	ug/L		99
47) benzene	9.096	78	2732592	60.14	ug/L		99
48) 1,2-dichloroethane	8.611	62	1169389	67.04	ug/L		100
49) tert-amyl methyl ether	9.231	73	573053	64.09	ug/L		99
50) heptane	9.581	43	1244016	67.58	ug/L		99
51) trichloroethene	9.716	95	826245	70.07	ug/L		97
52) 1,2-dichloropropane	9.682	63	734560	68.31	ug/L		100
53) dibromomethane	9.655	93	376202	69.40	ug/L		95
54) bromodichloromethane	9.770	83	1074714	81.38	ug/L		100
55) Methylcyclohexane	10.228	83	1262366	71.05	ug/L		96
56) 2-chloroethyl vinyl ether	10.228	63	15264	54.99	ug/L	#	93
57) methyl methacrylate	9.878	69	418688	77.15	ug/L		94
58) 1,4-dioxane	9.878	88	29522	350.25	ug/L		90
59) cis-1,3-dichloropropene	10.390	75	1195671	80.98	ug/L		98
61) 4-methyl-2-pentanone	10.497	43	669508	70.90	ug/L		97
62) toluene	11.164	92	1744023	71.28	ug/L		100
63) trans-1,3-dichloropropene	10.814	75	991359	82.92	ug/L		98
64) 1,1,2-trichloroethane	10.982	83	517514	73.13	ug/L		95
65) ethyl methacrylate	11.198	69	795845	78.91	ug/L		98
67) tetrachloroethene	11.899	166	721016	68.18	ug/L		99
68) 1,3-dichloropropane	11.218	76	1048758	69.75	ug/L		100
69) dibromochloromethane	11.501	129	676706	89.12	ug/L		99
70) 1,2-dibromoethane	11.750	107	616700	73.06	ug/L		99
71) 2-hexanone	11.353	43	526492	70.44	ug/L		99
72) chlorobenzene	12.579	112	1918656	70.26	ug/L		99
73) 1,1,1,2-tetrachloroethane	12.498	131	673272	76.25	ug/L		98
74) ethylbenzene	12.754	91	3670439	71.18	ug/L		100
75) m,p-xylene	12.943	106	2687535	141.03	ug/L		99
76) o-xylene	13.354	106	1346109	71.87	ug/L		97
77) styrene	13.279	104	2128195	79.79	ug/L		99
78) bromoform	13.098	173	391529	95.71	ug/L		94
79) trans-1,4-dichloro-2-b...	13.509	53	145825	98.91	ug/L	#	75
81) isopropylbenzene	13.717	105	3817972	67.36	ug/L		99
83) bromobenzene	13.994	156	810033	70.23	ug/L		100
84) 1,1,2,2-tetrachloroethane	13.360	83	769428	67.78	ug/L		96
85) 1,2,3-trichloropropane	13.509	75	810415	71.57	ug/L		99
86) n-propylbenzene	14.162	91	4410645	69.01	ug/L		99
87) 2-chlorotoluene	14.276	91	2716822	68.02	ug/L		100
88) 4-chlorotoluene	14.351	91	2750411	69.47	ug/L		100
89) 1,3,5-trimethylbenzene	14.445	105	3220550	69.85	ug/L		100
90) tert-butylbenzene	14.741	91	2079264	67.60	ug/L		99
91) 1,2,4-trimethylbenzene	14.849	105	3143721	71.53	ug/L		100
92) sec-butylbenzene	14.970	105	4137157	70.98	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70806.D
Acq On : 5 Aug 2013 4:49 pm
Operator : krystend
Sample : IC2318-100
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 08:55:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:21 2013
Response via : Initial Calibration

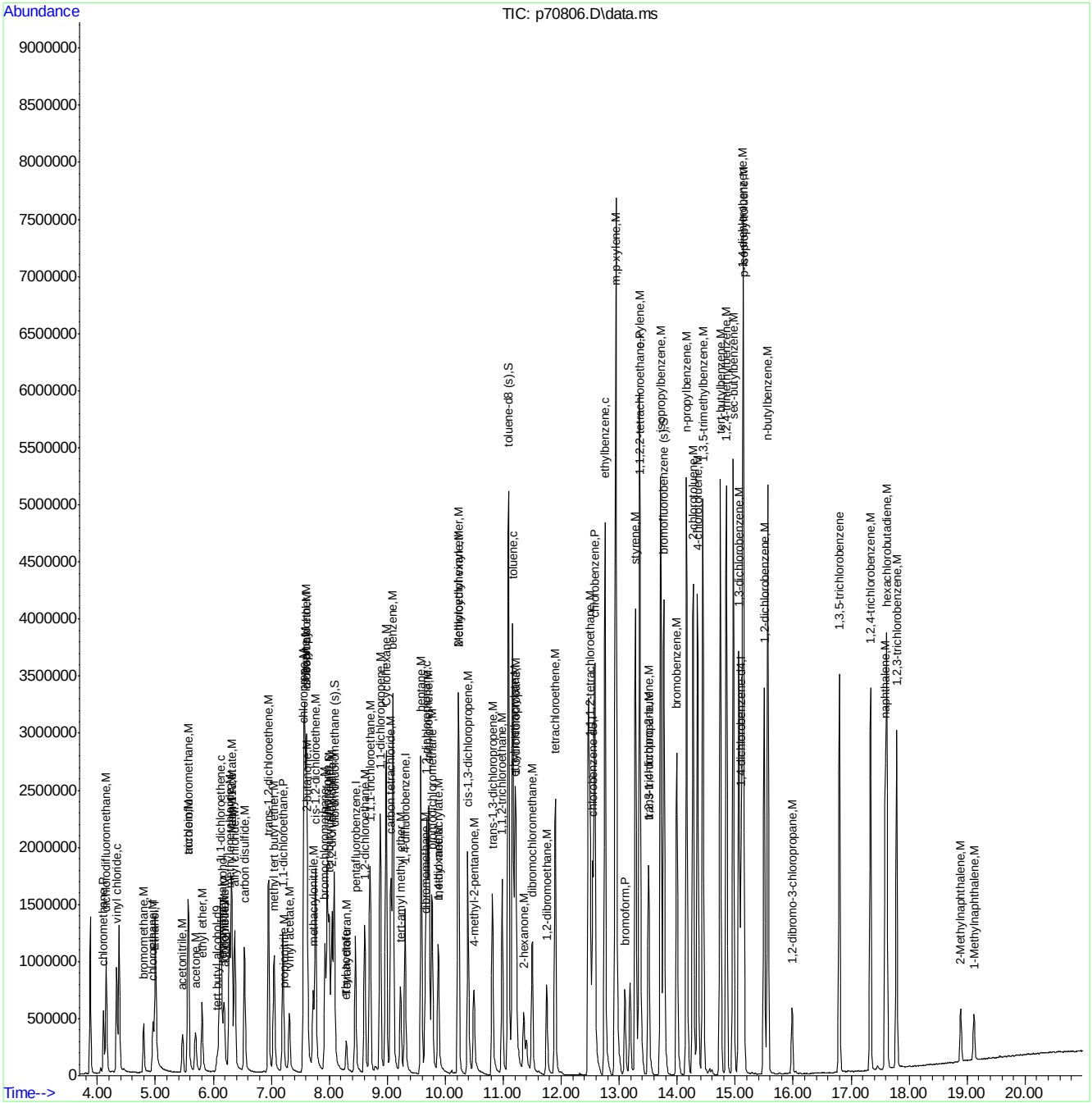
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.065	146	1537504	71.96	ug/L	99
94) p-isopropyltoluene	15.145	119	2907253	71.44	ug/L	99
95) 1,4-dichlorobenzene	15.132	146	1468268	69.66	ug/L	99
96) 1,2-dichlorobenzene	15.502	146	1458185	73.55	ug/L	100
97) n-butylbenzene	15.563	91	3185344	80.05	ug/L	99
98) 1,2-dibromo-3-chloropr...	15.981	75	162914	86.58	ug/L	99
99) 1,3,5-trichlorobenzene	16.796	180	1145201	79.10	ug/L	98
100) 1,2,4-trichlorobenzene	17.335	180	1065498	96.13	ug/L	100
101) hexachlorobutadiene	17.618	225	803579	76.22	ug/L	97
102) naphthalene	17.591	128	1840827	120.70	ug/L	100
103) 1,2,3-trichlorobenzene	17.786	180	959041	102.65	ug/L	98
104) 2-Methylnaphthalene	18.891	142	246957	34.21	ug/L	98
105) 1-Methylnaphthalene	19.120	142	215989	31.87	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70806.D
Acq On : 5 Aug 2013 4:49 pm
Operator : krystend
Sample : IC2318-100
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 08:55:35 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:21 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70807.D
Acq On : 5 Aug 2013 5:17 pm
Operator : krystend
Sample : IC2318-200
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 08:56:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.065	65	302353	500.00	ug/L	-0.01
4) pentafluorobenzene	8.449	168	815411	50.00	ug/L	0.00
43) 1,4-difluorobenzene	9.305	114	1143608	50.00	ug/L	0.00
66) chlorobenzene-d5	12.545	82	697965	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	586462	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	1597585	134.57	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 269.14%#			
60) toluene-d8 (s)	11.090	98	6029278	130.39	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 260.78%#			
82) bromofluorobenzene (s)	13.771	95	2541998	116.37	ug/L	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 232.74%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.146	59	1334290	1627.35	ug/L #	55
3) Ethanol	4.974	45	1785699	16740.24	ug/L	99
5) dichlorodifluoromethane	4.152	85	1412780	177.08	ug/L	100
6) chloromethane	4.105	50	1590094	202.04	ug/L	100
7) vinyl chloride	4.334	62	1807612	159.05	ug/L	100
8) bromomethane	4.798	96	739309	240.55	ug/L	100
9) chloroethane	4.953	64	752418	165.60	ug/L	99
10) ethyl ether	5.802	59	1017270	183.73	ug/L	99
11) acetonitrile	5.465	41	283567	58.82	ug/L	100
12) trichlorofluoromethane	5.566	101	2893848	160.61	ug/L	99
13) freon-113	6.314	101	1326421	162.58	ug/L	99
14) acrolein	5.560	56	454597	752.92	ug/L	98
15) 1,1-dichloroethene	6.125	96	1042580	163.19	ug/L	98
16) acetone	5.694	58	175119	113.89	ug/L	88
17) Methyl Acetate	6.314	43	1519513	164.53	ug/L	99
18) methylene chloride	6.274	84	1305717	151.16	ug/L	95
19) methyl tert butyl ether	7.048	73	2990560	197.16	ug/L	99
20) acrylonitrile	6.186	53	416993	164.69	ug/L	99
21) allyl chloride	6.368	41	1556567	145.51	ug/L	100
22) trans-1,2-dichloroethene	6.947	96	1518591	177.15	ug/L	97
23) iodomethane	6.179	142	1104034	242.63	ug/L	100
24) carbon disulfide	6.536	76	4414266	248.15	ug/L	100
25) propionitrile	7.217	54	232228	207.01	ug/L	100
26) vinyl acetate	7.304	43	2498620	206.88	ug/L	99
27) chloroprene	7.560	53	3198030	180.36	ug/L	99
28) di-isopropyl ether	7.607	45	5970642	174.07	ug/L	93
29) methacrylonitrile	7.715	41	1111332	200.21	ug/L	97
30) 2-butanone	7.614	72	244183	236.59	ug/L	99
31) Hexane	7.580	41	3269428	164.67	ug/L	97
32) 1,1-dichloroethane	7.197	63	3045183	173.42	ug/L	99
33) tert-butyl ethyl ether	7.998	59	2504435	227.30	ug/L	100
34) isobutyl alcohol	7.607	43	5597936	870.09	ug/L	99
35) 2,2-dichloropropane	8.045	77	2504754	322.61	ug/L	99
36) cis-1,2-dichloroethene	7.762	96	1752259	180.79	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70807.D
Acq On : 5 Aug 2013 5:17 pm
Operator : krystend
Sample : IC2318-200
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 08:56:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.288	43	122399	136.25	ug/L		83
38) bromochloromethane	7.924	128	616156	173.41	ug/L		97
39) chloroform	7.964	83	3336220	175.47	ug/L		99
41) Tetrahydrofuran	8.288	42	529465	185.17	ug/L		97
42) 1,1,1-trichloroethane	8.699	97	3138244	185.19	ug/L		100
44) Cyclohexane	8.982	56	3308427	170.25	ug/L		98
45) carbon tetrachloride	9.062	117	2653982	190.71	ug/L		98
46) 1,1-dichloropropene	8.881	75	2686207	172.83	ug/L		99
47) benzene	9.096	78	6852316	151.48	ug/L		99
48) 1,2-dichloroethane	8.611	62	3024671	174.06	ug/L		99
49) tert-amyl methyl ether	9.224	73	1831185	206.90	ug/L		98
50) heptane	9.581	43	3148354	171.48	ug/L		99
51) trichloroethene	9.716	95	2049764	171.56	ug/L		98
52) 1,2-dichloropropane	9.682	63	1891026	176.05	ug/L		100
53) dibromomethane	9.655	93	993853	183.11	ug/L		95
54) bromodichloromethane	9.770	83	2820786	208.02	ug/L		99
55) Methylcyclohexane	10.228	83	3185528	178.44	ug/L		96
56) 2-chloroethyl vinyl ether	10.228	63	36622	139.40	ug/L	#	90
57) methyl methacrylate	9.878	69	1143130	206.96	ug/L		99
58) 1,4-dioxane	9.871	88	81700	982.42	ug/L		81
59) cis-1,3-dichloropropene	10.390	75	3198858	211.17	ug/L		100
61) 4-methyl-2-pentanone	10.491	43	1824035	192.32	ug/L		96
62) toluene	11.158	92	4386564	178.36	ug/L		98
63) trans-1,3-dichloropropene	10.814	75	2764016	224.46	ug/L		100
64) 1,1,2-trichloroethane	10.982	83	1353671	189.56	ug/L		99
65) ethyl methacrylate	11.191	69	2152941	208.97	ug/L		83
67) tetrachloroethene	11.899	166	1802739	167.32	ug/L		99
68) 1,3-dichloropropane	11.218	76	2677341	176.15	ug/L		99
69) dibromochloromethane	11.501	129	1837271	229.88	ug/L		100
70) 1,2-dibromoethane	11.750	107	1656979	192.84	ug/L		100
71) 2-hexanone	11.346	43	1399434	184.96	ug/L		98
72) chlorobenzene	12.579	112	4880642	176.63	ug/L		99
73) 1,1,1,2-tetrachloroethane	12.498	131	1745860	192.93	ug/L		96
74) ethylbenzene	12.754	91	9193653	175.83	ug/L		100
75) m,p-xylene	12.943	106	6658822	345.12	ug/L		99
76) o-xylene	13.354	106	3352782	176.30	ug/L		98
77) styrene	13.279	104	5317344	193.09	ug/L		100
78) bromoform	13.098	173	1168075	267.68	ug/L		96
79) trans-1,4-dichloro-2-b...	13.509	53	464044	293.19	ug/L		91
81) isopropylbenzene	13.717	105	9591322	157.93	ug/L		99
83) bromobenzene	13.994	156	2114373	170.04	ug/L		99
84) 1,1,2,2-tetrachloroethane	13.360	83	2061582	169.34	ug/L		97
85) 1,2,3-trichloropropane	13.509	75	2297976	187.70	ug/L		100
86) n-propylbenzene	14.162	91	11186869	162.77	ug/L		100
87) 2-chlorotoluene	14.276	91	6975939	162.77	ug/L		100
88) 4-chlorotoluene	14.351	91	7127067	167.25	ug/L		100
89) 1,3,5-trimethylbenzene	14.438	105	8250515	166.12	ug/L		100
90) tert-butylbenzene	14.741	91	5265978	159.70	ug/L		99
91) 1,2,4-trimethylbenzene	14.849	105	8118468	170.88	ug/L		99
92) sec-butylbenzene	14.970	105	10602067	168.46	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70807.D
Acq On : 5 Aug 2013 5:17 pm
Operator : krystend
Sample : IC2318-200
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 08:56:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:49 2013
Response via : Initial Calibration

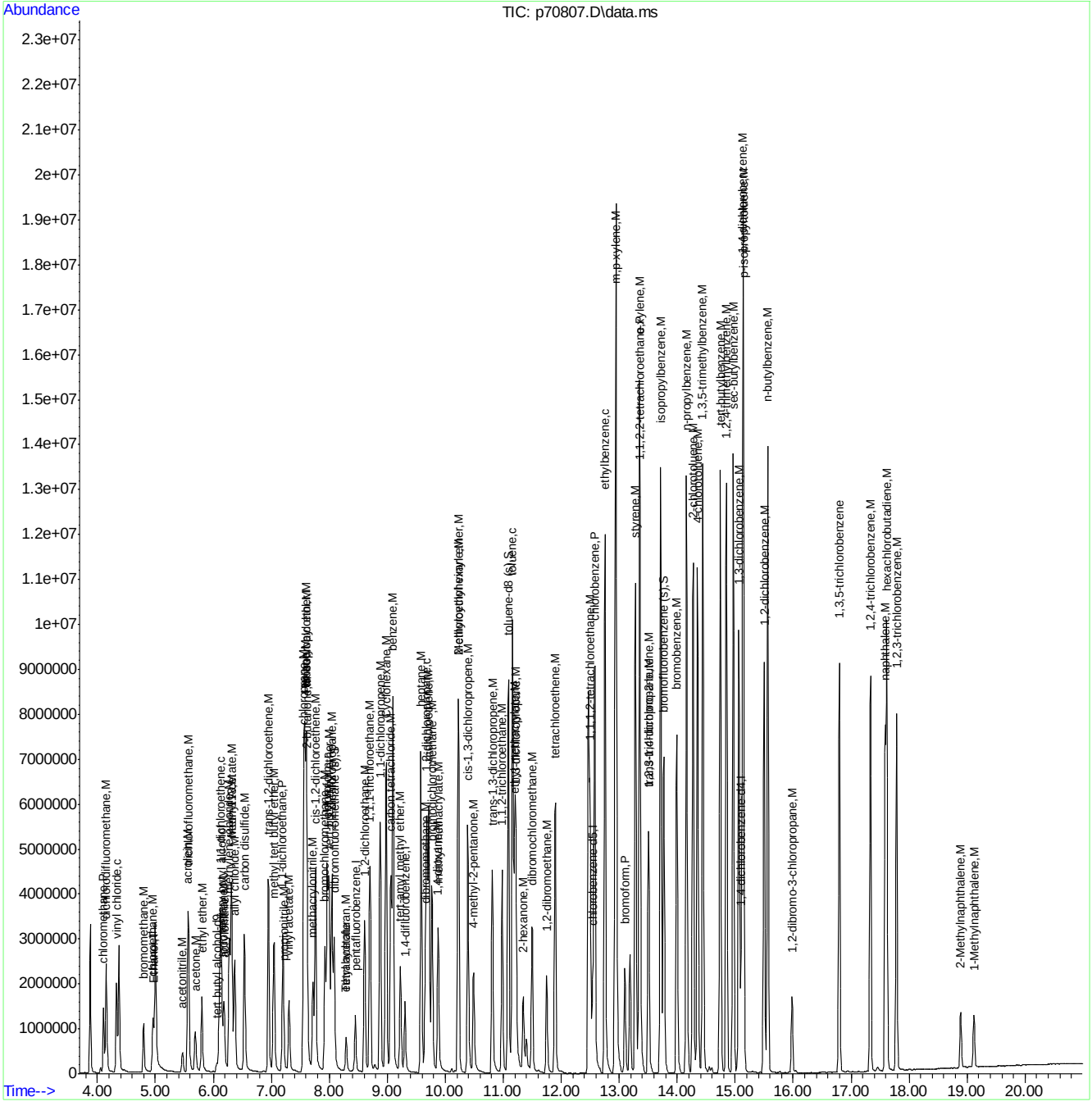
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.065	146	4060144	175.61	ug/L	99
94) p-isopropyltoluene	15.145	119	7446530	169.30	ug/L	98
95) 1,4-dichlorobenzene	15.132	146	3760447	165.70	ug/L	99
96) 1,2-dichlorobenzene	15.502	146	3890761	180.76	ug/L	99
97) n-butylbenzene	15.563	91	8403483	191.89	ug/L	99
98) 1,2-dibromo-3-chloropr...	15.981	75	484996	231.06	ug/L	93
99) 1,3,5-trichlorobenzene	16.796	180	3001071	188.72	ug/L	100
100) 1,2,4-trichlorobenzene	17.335	180	2868256	227.50	ug/L	98
101) hexachlorobutadiene	17.618	225	2138202	185.75	ug/L	98
102) naphthalene	17.591	128	5439215	298.74	ug/L	100
103) 1,2,3-trichlorobenzene	17.786	180	2614613	242.84	ug/L	97
104) 2-Methylnaphthalene	18.891	142	658255	84.91	ug/L	98
105) 1-Methylnaphthalene	19.120	142	630549	87.50	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70807.D
Acq On : 5 Aug 2013 5:17 pm
Operator : krystend
Sample : IC2318-200
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 08:56:01 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:55:49 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70808.D
Acq On : 5 Aug 2013 5:45 pm
Operator : krystend
Sample : IC2318-400
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 08:56:31 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:56:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.058	65	333186	500.00	ug/L		-0.02
4) pentafluorobenzene	8.449	168	916859	50.00	ug/L		0.00
43) 1,4-difluorobenzene	9.305	114	1287297	50.00	ug/L		0.00
66) chlorobenzene-d5	12.538	82	742844	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.105	152	619568	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.086	113	3688536	283.84	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 567.68%#				
60) toluene-d8 (s)	11.090	98	13752356	272.62	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 545.24%#				
82) bromofluorobenzene (s)	13.771	95	5745153	260.80	ug/L		0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 521.60%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.139	59	2789417	3186.19	ug/L	#	55
3) Ethanol	4.974	45	3603603	31512.18	ug/L		100
5) dichlorodifluoromethane	4.152	85	2870028	326.16	ug/L		100
6) chloromethane	4.105	50	3516717	396.73	ug/L		99
7) vinyl chloride	4.327	62	3498021	283.40	ug/L		98
8) bromomethane	4.798	96	1660554	464.81	ug/L		99
9) chloroethane	4.953	64	1573837	317.16	ug/L		99
10) ethyl ether	5.802	59	2134203	347.52	ug/L		94
11) acetonitrile	5.465	41	369426	77.24	ug/L		95
12) trichlorofluoromethane	5.566	101	5881673	300.17	ug/L		99
13) freon-113	6.314	101	3113431	350.32	ug/L		100
14) acrolein	5.560	56	976242	1499.75	ug/L		99
15) 1,1-dichloroethene	6.125	96	2225832	319.65	ug/L		96
16) acetone	5.688	58	352388	219.58	ug/L	#	86
17) Methyl Acetate	6.307	43	3763348	373.44	ug/L		99
18) methylene chloride	6.274	84	2906932	311.99	ug/L		94
19) methyl tert butyl ether	7.042	73	6679225	392.56	ug/L		99
20) acrylonitrile	6.186	53	892518	323.00	ug/L		100
21) allyl chloride	6.368	41	3934314	342.65	ug/L		98
22) trans-1,2-dichloroethene	6.947	96	3263892	345.19	ug/L		99
23) iodomethane	6.179	142	2425169	457.74	ug/L		97
24) carbon disulfide	6.536	76	10035308	482.36	ug/L		99
25) propionitrile	7.210	54	488758	385.23	ug/L		100
26) vinyl acetate	7.304	43	5498694	402.59	ug/L		98
27) chloroprene	7.554	53	6519466	332.43	ug/L		98
28) di-isopropyl ether	7.607	45	11873626	314.66	ug/L		91
29) methacrylonitrile	7.715	41	2282409	365.62	ug/L		96
30) 2-butanone	7.607	72	487163	407.37	ug/L	#	72
31) Hexane	7.580	41	6443477	297.38	ug/L		99
32) 1,1-dichloroethane	7.197	63	6266564	324.57	ug/L		100
33) tert-butyl ethyl ether	7.998	59	5834435	460.46	ug/L		99
34) isobutyl alcohol	7.607	43	11071886	1564.36	ug/L		97
35) 2,2-dichloropropane	8.045	77	5596455	581.63	ug/L		97
36) cis-1,2-dichloroethene	7.762	96	3659974	341.31	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70808.D
Acq On : 5 Aug 2013 5:45 pm
Operator : krystend
Sample : IC2318-400
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 08:56:31 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:56:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.288	43	255591	270.26	ug/L		76
38) bromochloromethane	7.924	128	1219991	312.28	ug/L		98
39) chloroform	7.964	83	6791556	324.31	ug/L		100
41) Tetrahydrofuran	8.288	42	1137784	358.31	ug/L		96
42) 1,1,1-trichloroethane	8.699	97	6477943	344.22	ug/L		99
44) Cyclohexane	8.982	56	6912066	324.02	ug/L		96
45) carbon tetrachloride	9.062	117	5462527	351.43	ug/L		99
46) 1,1-dichloropropene	8.881	75	5604003	327.74	ug/L		98
47) benzene	9.096	78	14192540	288.73	ug/L		100
48) 1,2-dichloroethane	8.611	62	6066903	317.02	ug/L		98
49) tert-amyl methyl ether	9.224	73	4212185	420.38	ug/L		97
50) heptane	9.581	43	6295346	312.03	ug/L		97
51) trichloroethene	9.716	95	4194267	318.33	ug/L		98
52) 1,2-dichloropropane	9.682	63	3870079	326.60	ug/L		100
53) dibromomethane	9.655	93	2038719	338.46	ug/L		95
54) bromodichloromethane	9.770	83	5798286	377.35	ug/L		99
55) Methylcyclohexane	10.228	83	6637798	336.37	ug/L		94
56) 2-chloroethyl vinyl ether	10.228	63	73388	264.18	ug/L	#	92
57) methyl methacrylate	9.878	69	2422195	387.33	ug/L		98
58) 1,4-dioxane	9.871	88	172748	1851.90	ug/L		85
59) cis-1,3-dichloropropene	10.390	75	6626352	385.02	ug/L		98
61) 4-methyl-2-pentanone	10.484	43	3859111	363.80	ug/L		95
62) toluene	11.158	92	9006522	331.30	ug/L		97
63) trans-1,3-dichloropropene	10.807	75	5808130	410.64	ug/L		99
64) 1,1,2-trichloroethane	10.982	83	2719963	341.34	ug/L		99
65) ethyl methacrylate	11.191	69	4460847	381.80	ug/L		80
67) tetrachloroethene	11.899	166	3644298	325.40	ug/L		98
68) 1,3-dichloropropane	11.218	76	5388242	339.84	ug/L		100
69) dibromochloromethane	11.494	129	3838516	440.30	ug/L		100
70) 1,2-dibromoethane	11.750	107	3401093	374.14	ug/L		100
71) 2-hexanone	11.339	43	2943735	370.20	ug/L		97
72) chlorobenzene	12.579	112	9921301	344.05	ug/L		100
73) 1,1,1,2-tetrachloroethane	12.498	131	3557760	371.59	ug/L		97
74) ethylbenzene	12.754	91	17340446	318.01	ug/L		87
75) m,p-xylene	12.943	106	13225188	659.11	ug/L	#	48
76) o-xylene	13.354	106	6690300	337.20	ug/L		96
77) styrene	13.279	104	10787904	370.21	ug/L		98
78) bromoform	13.098	173	2546661	519.07	ug/L		96
79) trans-1,4-dichloro-2-b...	13.509	53	1050513	578.68	ug/L	#	80
81) isopropylbenzene	13.711	105	17372308	280.61	ug/L		92
83) bromobenzene	13.994	156	4239461	330.98	ug/L		99
84) 1,1,2,2-tetrachloroethane	13.360	83	4165246	332.35	ug/L		97
85) 1,2,3-trichloropropane	13.502	75	4821698	376.65	ug/L		99
86) n-propylbenzene	14.155	91	18422393	261.86	ug/L		87
87) 2-chlorotoluene	14.276	91	13924071	317.38	ug/L		99
88) 4-chlorotoluene	14.351	91	14048886	320.82	ug/L		99
89) 1,3,5-trimethylbenzene	14.438	105	15613128	306.22	ug/L		93
90) tert-butylbenzene	14.741	91	10387035	308.53	ug/L		99
91) 1,2,4-trimethylbenzene	14.849	105	15482779	316.14	ug/L		91
92) sec-butylbenzene	14.964	105	18155009	280.42	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70808.D
Acq On : 5 Aug 2013 5:45 pm
Operator : krystend
Sample : IC2318-400
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 08:56:31 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:56:17 2013
Response via : Initial Calibration

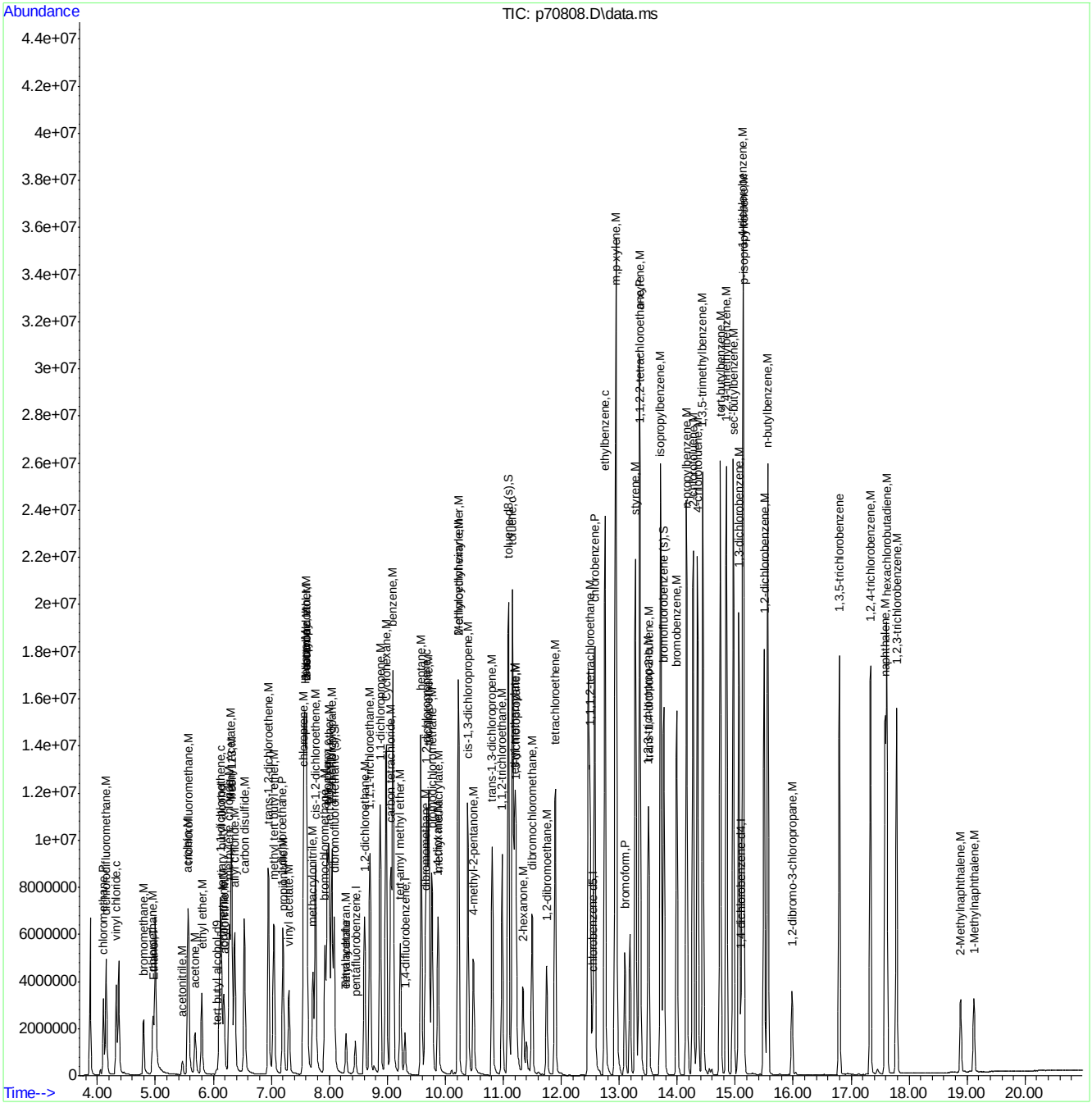
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	8066129	337.08	ug/L	99
94)	p-isopropyltoluene	15.145	119	14353815	317.01	ug/L	100
95)	1,4-dichlorobenzene	15.132	146	7302805	313.55	ug/L	99
96)	1,2-dichlorobenzene	15.502	146	7701227	344.19	ug/L	100
97)	n-butylbenzene	15.556	91	15570759	338.84	ug/L	98
98)	1,2-dibromo-3-chloropr...	15.981	75	1010993	444.41	ug/L	94
99)	1,3,5-trichlorobenzene	16.796	180	5893121	354.11	ug/L	100
100)	1,2,4-trichlorobenzene	17.335	180	5705228	418.74	ug/L	100
101)	hexachlorobutadiene	17.618	225	4171079	347.11	ug/L	99
102)	naphthalene	17.584	128	11211939	538.58	ug/L	100
103)	1,2,3-trichlorobenzene	17.786	180	5241051	444.89	ug/L	99
104)	2-Methylnaphthalene	18.891	142	1693638	212.13	ug/L	100
105)	1-Methylnaphthalene	19.120	142	1682777	225.75	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70808.D
Acq On : 5 Aug 2013 5:45 pm
Operator : krystend
Sample : IC2318-400
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 08:56:31 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 08:56:17 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70811.D
Acq On : 5 Aug 2013 7:10 pm
Operator : krystend
Sample : ICV2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 12:42:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	267821	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	827987	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	1124893	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	688959	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	508154	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	411821	49.42	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 98.84%#			
60) toluene-d8 (s)	11.090	98	1550946	49.77	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 99.54%#			
82) bromofluorobenzene (s)	13.771	95	599371	46.97	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 93.94%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.159	59	329842	551.73	ug/kg	98
3) Ethanol	4.980	45	400658	5125.72	ug/kg	100
5) dichlorodifluoromethane	4.152	85	370175	54.52	ug/kg	99
6) chloromethane	4.104	50	445235	62.74	ug/kg	100
7) vinyl chloride	4.333	62	388209	41.15	ug/kg	97
8) bromomethane	4.798	96	183016	55.67	ug/kg	96
9) chloroethane	4.953	64	213297	55.72	ug/kg	98
10) ethyl ether	5.809	59	256990	53.78	ug/kg	97
11) acetonitrile	5.465	41	168266	50.64	ug/kg	93
12) trichlorofluoromethane	5.566	101	729615	49.03	ug/kg	97
13) freon-113	6.314	101	370165	53.47	ug/kg	99
14) acrolein	5.566	56	204638	465.53	ug/kg	99
15) 1,1-dichloroethene	6.125	96	305312	56.96	ug/kg	98
16) acetone	5.694	58	38759	40.57	ug/kg#	69
17) Methyl Acetate	6.321	43	308987	39.07	ug/kg	99
18) methylene chloride	6.280	84	350566	54.83	ug/kg	93
19) methyl tert butyl ether	7.048	73	733756	54.64	ug/kg	99
20) acrylonitrile	6.193	53	103821	48.78	ug/kg	99
21) allyl chloride	6.368	41	620692	70.03	ug/kg	99
22) trans-1,2-dichloroethene	6.954	96	413473	56.09	ug/kg	99
23) iodomethane	6.179	142	239209	47.83	ug/kg	98
24) carbon disulfide	6.536	76	1159986	59.94	ug/kg	99
25) propionitrile	7.230	54	53037	50.09	ug/kg	100
26) vinyl acetate	7.311	43	448002	41.17	ug/kg	99
27) chloroprene	7.560	53	905644	60.05	ug/kg	98
28) di-isopropyl ether	7.607	45	1537610	53.23	ug/kg	97
29) methacrylonitrile	7.722	41	252812	51.57	ug/kg	96
30) 2-butanone	7.621	72	54050	48.89	ug/kg	95
31) Hexane	7.580	41	872681	52.87	ug/kg	98
32) 1,1-dichloroethane	7.203	63	883993	59.53	ug/kg	99
33) tert-butyl ethyl ether	7.998	59	538710	50.58	ug/kg	99
34) isobutyl alcohol	7.607	43	1431805	265.40	ug/kg	87
35) 2,2-dichloropropane	8.045	77	492748	49.01	ug/kg	98
36) cis-1,2-dichloroethene	7.762	96	449782	53.96	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70811.D
Acq On : 5 Aug 2013 7:10 pm
Operator : krystend
Sample : ICV2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 12:42:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.294	43	32368	53.83	ug/kg#	62
38) bromochloromethane	7.931	128	185561	62.07	ug/kg	94
39) chloroform	7.964	83	927085	57.60	ug/kg	99
41) Tetrahydrofuran	8.294	42	126679	50.48	ug/kg	98
42) 1,1,1-trichloroethane	8.705	97	853077	58.52	ug/kg	100
44) Cyclohexane	8.982	56	832900	52.58	ug/kg	98
45) carbon tetrachloride	9.062	117	702464	60.12	ug/kg	97
46) 1,1-dichloropropene	8.881	75	698175	54.91	ug/kg	98
47) benzene	9.096	78	1802784	56.32	ug/kg	99
48) 1,2-dichloroethane	8.611	62	736338	51.85	ug/kg	100
49) tert-amyl methyl ether	9.231	73	399433	52.00	ug/kg	97
50) heptane	9.581	43	791346	53.04	ug/kg	99
51) trichloroethene	9.716	95	522185	55.11	ug/kg	97
52) 1,2-dichloropropane	9.682	63	477390	54.04	ug/kg	99
53) dibromomethane	9.662	93	268093	59.35	ug/kg	93
54) bromodichloromethane	9.770	83	672600	57.23	ug/kg	99
55) Methylcyclohexane	10.228	83	831081	56.28	ug/kg	96
56) 2-chloroethyl vinyl ether	10.221	63	10050	54.49	ug/kg#	99
57) methyl methacrylate	9.877	69	272694	57.10	ug/kg	95
58) 1,4-dioxane	9.884	88	17676	246.27	ug/kg	80
59) cis-1,3-dichloropropene	10.389	75	714477	54.32	ug/kg	99
61) 4-methyl-2-pentanone	10.497	43	440654	55.23	ug/kg	97
62) toluene	11.164	92	1147642	56.74	ug/kg	99
63) trans-1,3-dichloropropene	10.814	75	617202	51.41	ug/kg	98
64) 1,1,2-trichloroethane	10.982	83	319055	53.35	ug/kg	98
65) ethyl methacrylate	11.198	69	505750	52.64	ug/kg	98
67) tetrachloroethene	11.898	166	502323	55.40	ug/kg	98
68) 1,3-dichloropropane	11.218	76	670723	53.21	ug/kg	99
69) dibromochloromethane	11.501	129	418225	51.76	ug/kg	98
70) 1,2-dibromoethane	11.750	107	395630	53.88	ug/kg	98
71) 2-hexanone	11.360	43	314221	48.99	ug/kg	100
72) chlorobenzene	12.579	112	1172565	51.03	ug/kg	98
73) 1,1,1,2-tetrachloroethane	12.498	131	422698	54.79	ug/kg	95
74) ethylbenzene	12.754	91	2284547	53.13	ug/kg	99
75) m,p-xylene	12.943	106	1679672	105.93	ug/kg	97
76) o-xylene	13.353	106	816367	51.89	ug/kg	99
77) styrene	13.279	104	1279075	54.43	ug/kg	100
78) bromoform	13.098	173	249001	51.26	ug/kg	97
79) trans-1,4-dichloro-2-b...	13.508	53	85379	46.77	ug/kg#	56
81) isopropylbenzene	13.717	105	2286617	53.96	ug/kg	99
83) bromobenzene	13.993	156	494380	55.12	ug/kg	98
84) 1,1,2,2-tetrachloroethane	13.360	83	491114	55.99	ug/kg	98
85) 1,2,3-trichloropropane	13.508	75	500475	54.75	ug/kg	99
86) n-propylbenzene	14.162	91	2525086	52.81	ug/kg	100
87) 2-chlorotoluene	14.276	91	1541954	50.48	ug/kg	98
88) 4-chlorotoluene	14.350	91	1603387	52.41	ug/kg	99
89) 1,3,5-trimethylbenzene	14.438	105	1864901	52.77	ug/kg	99
90) tert-butylbenzene	14.741	91	1194937	51.14	ug/kg	98
91) 1,2,4-trimethylbenzene	14.849	105	1805652	52.97	ug/kg	100
92) sec-butylbenzene	14.970	105	2393272	53.96	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70811.D
Acq On : 5 Aug 2013 7:10 pm
Operator : krystend
Sample : ICV2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 12:42:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

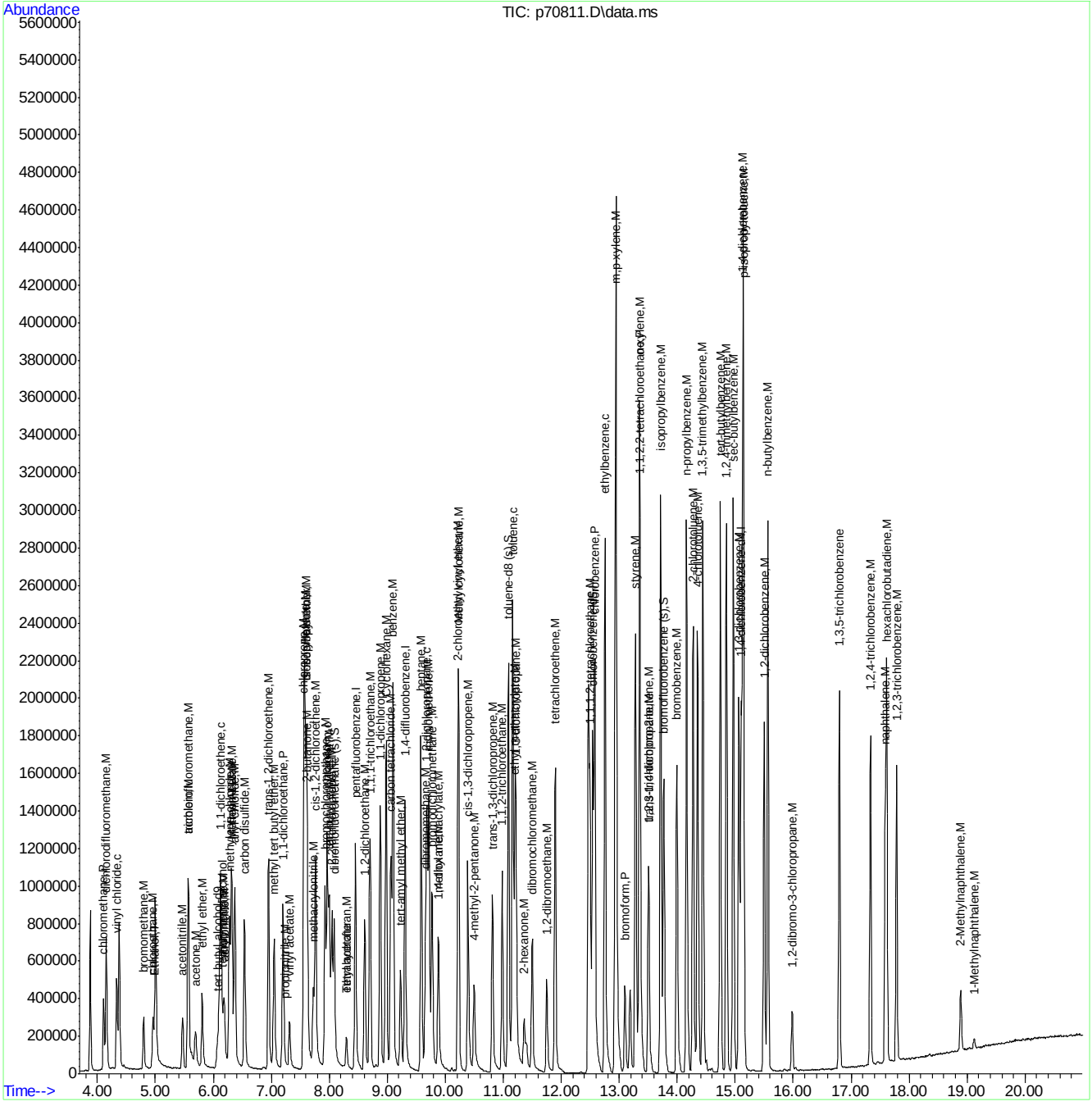
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.065	146	853604	50.73	ug/kg	99
94) p-isopropyltoluene	15.145	119	1795147	57.05	ug/kg	98
95) 1,4-dichlorobenzene	15.132	146	869045	53.62	ug/kg	98
96) 1,2-dichlorobenzene	15.502	146	810352	51.31	ug/kg	97
97) n-butylbenzene	15.563	91	1788357	55.58	ug/kg	99
98) 1,2-dibromo-3-chloropr...	15.981	75	87853	48.19	ug/kg	98
99) 1,3,5-trichlorobenzene	16.796	180	667763	56.66	ug/kg	100
100) 1,2,4-trichlorobenzene	17.335	180	570402	50.34	ug/kg	100
101) hexachlorobutadiene	17.618	225	449194	52.56	ug/kg	99
102) naphthalene	17.591	128	998271	50.39	ug/kg	100
103) 1,2,3-trichlorobenzene	17.786	180	512045	50.51	ug/kg	99
104) 2-Methylnaphthalene	18.891	142	168896	29.10	ug/kg	100
105) 1-Methylnaphthalene	19.120	142	28086	5.34	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130805\
Data File : p70811.D
Acq On : 5 Aug 2013 7:10 pm
Operator : krystend
Sample : ICV2318-50
Misc : ms29498,msp2318,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 12:42:57 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 15:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71195.D
Acq On : 22 Aug 2013 8:32 am
Operator : krystend
Sample : cc2318-50
Misc : ms29711,msp2332,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 22 10:01:20 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.078	65	243932	500.00	ug/kg	0.00
4) pentafluorobenzene	8.449	168	621396m	50.00	ug/kg	0.00
43) 1,4-difluorobenzene	9.305	114	766569	50.00	ug/kg	0.00
66) chlorobenzene-d5	12.545	82	468775	50.00	ug/kg	0.00
80) 1,4-dichlorobenzene-d4	15.105	152	439667	50.00	ug/kg	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.086	113	311616	49.83	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 99.66%#			
60) toluene-d8 (s)	11.090	98	925803	43.60	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 87.20%#			
82) bromofluorobenzene (s)	13.764	95	431218	39.06	ug/kg	0.00
Spiked Amount 50.000	Range 35 - 65		Recovery = 78.12%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.166	59	318273	584.51	ug/kg	98
3) Ethanol	4.987	45	296378	4092.82	ug/kg	91
5) dichlorodifluoromethane	4.152	85	322519	63.29	ug/kg	97
6) chloromethane	4.111	50	236602	44.43	ug/kg	100
7) vinyl chloride	4.333	62	421062m	59.47	ug/kg	
8) bromomethane	4.798	96	149473	59.92	ug/kg	100
9) chloroethane	4.953	64	166720	58.04	ug/kg	97
10) ethyl ether	5.809	59	196706	54.85	ug/kg	94
11) acetonitrile	5.472	41	172967	69.37	ug/kg	94
12) trichlorofluoromethane	5.566	101	876108	78.44	ug/kg	97
13) freon-113	6.314	101	313417	60.32	ug/kg	97
14) acrolein	5.573	56	73766	225.17	ug/kg	91
15) 1,1-dichloroethene	6.125	96	240037m	59.67	ug/kg	
16) acetone	5.701	58	44435m	66.37	ug/kg	
17) Methyl Acetate	6.321	43	292440	49.27	ug/kg	98
18) methylene chloride	6.280	84	278223	57.90	ug/kg	95
19) methyl tert butyl ether	7.048	73	572283	56.78	ug/kg	94
20) acrylonitrile	6.199	53	71793	44.95	ug/kg	95
21) allyl chloride	6.368	41	432516	65.02	ug/kg	96
22) trans-1,2-dichloroethene	6.954	96	265531	48.00	ug/kg	97
23) iodomethane	6.179	142	292493m	74.95	ug/kg	
24) carbon disulfide	6.536	76	822148	57.13	ug/kg	99
25) propionitrile	7.237	54	28632	36.78	ug/kg	100
26) vinyl acetate	7.311	43	443210	54.26	ug/kg	99
27) chloroprene	7.560	53	611744	54.05	ug/kg	91
28) di-isopropyl ether	7.607	45	1021207	47.11	ug/kg	96
29) methacrylonitrile	7.729	41	181693	49.38	ug/kg	95
30) 2-butanone	7.621	72	40681	49.03	ug/kg#	91
31) Hexane	7.580	41	659958	53.27	ug/kg#	81
32) 1,1-dichloroethane	7.203	63	569504	51.10	ug/kg	98
33) tert-butyl ethyl ether	7.998	59	368590	47.00	ug/kg	97
34) isobutyl alcohol	7.607	43	1024201	252.96	ug/kg	83
35) 2,2-dichloropropane	8.045	77	403487	52.49	ug/kg	97
36) cis-1,2-dichloroethene	7.762	96	323233	51.67	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71195.D
Acq On : 22 Aug 2013 8:32 am
Operator : krystend
Sample : cc2318-50
Misc : ms29711,msp2332,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 22 10:01:20 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) ethyl acetate	8.301	43	20452	44.98	ug/kg#	62
38) bromochloromethane	7.931	128	118890	52.99	ug/kg#	81
39) chloroform	7.964	83	714396m	59.14	ug/kg	
41) Tetrahydrofuran	8.301	42	67057m	35.60	ug/kg	
42) 1,1,1-trichloroethane	8.699	97	765370	69.96	ug/kg	97
44) Cyclohexane	8.982	56	482362	44.69	ug/kg	89
45) carbon tetrachloride	9.062	117	698480	87.72	ug/kg	99
46) 1,1-dichloropropene	8.881	75	501321	57.85	ug/kg	95
47) benzene	9.096	78	1148642	52.58	ug/kg	99
48) 1,2-dichloroethane	8.611	62	697516	72.07	ug/kg	96
49) tert-amyl methyl ether	9.231	73	309741	57.93	ug/kg	96
50) heptane	9.581	43	471365	46.36	ug/kg	97
51) trichloroethene	9.716	95	387806	60.17	ug/kg	95
52) 1,2-dichloropropane	9.682	63	302843	50.31	ug/kg	98
53) dibromomethane	9.655	93	192842	62.65	ug/kg	91
54) bromodichloromethane	9.770	83	591546	73.87	ug/kg	100
55) Methylcyclohexane	10.228	83	498113	49.50	ug/kg	97
56) 2-chloroethyl vinyl ether	10.228	63	8983	74.09	ug/kg#	95
57) methyl methacrylate	9.884	69	159658	49.06	ug/kg	91
58) 1,4-dioxane	9.871	88	9189	191.58	ug/kg	97
59) cis-1,3-dichloropropene	10.389	75	517493	57.74	ug/kg	96
61) 4-methyl-2-pentanone	10.504	43	255045	46.91	ug/kg	94
62) toluene	11.157	92	756871	54.91	ug/kg	98
63) trans-1,3-dichloropropene	10.814	75	461957	56.11	ug/kg	91
64) 1,1,2-trichloroethane	10.976	83	210899	51.75	ug/kg	97
65) ethyl methacrylate	11.198	69	331964	50.76	ug/kg	83
67) tetrachloroethene	11.898	166	378404	61.34	ug/kg	97
68) 1,3-dichloropropane	11.218	76	465380	54.26	ug/kg	98
69) dibromochloromethane	11.494	129	360185m	64.09	ug/kg	
70) 1,2-dibromoethane	11.750	107	260340	52.11	ug/kg	98
71) 2-hexanone	11.360	43	206965	47.43	ug/kg	86
72) chlorobenzene	12.572	112	820804	52.50	ug/kg	98
73) 1,1,1,2-tetrachloroethane	12.498	131	351897m	67.03	ug/kg	
74) ethylbenzene	12.754	91	1614498	55.18	ug/kg	94
75) m,p-xylene	12.943	106	1110714	102.95	ug/kg	85
76) o-xylene	13.347	106	579687	54.15	ug/kg#	78
77) styrene	13.279	104	782604	48.95	ug/kg	84
78) bromoform	13.097	173	240347m	68.67	ug/kg	
79) trans-1,4-dichloro-2-b...	13.508	53	81790	60.90	ug/kg	95
81) isopropylbenzene	13.711	105	1652191	45.06	ug/kg	99
83) bromobenzene	13.993	156	380013	48.97	ug/kg	94
84) 1,1,2,2-tetrachloroethane	13.353	83	331339	43.66	ug/kg	99
85) 1,2,3-trichloropropane	13.508	75	384841	48.66	ug/kg	99
86) n-propylbenzene	14.162	91	2001430	48.38	ug/kg	99
87) 2-chlorotoluene	14.270	91	1248970	47.26	ug/kg	98
88) 4-chlorotoluene	14.350	91	1292093	48.82	ug/kg	99
89) 1,3,5-trimethylbenzene	14.438	105	1452874	47.52	ug/kg	97
90) tert-butylbenzene	14.741	91	1033207	51.11	ug/kg	94
91) 1,2,4-trimethylbenzene	14.849	105	1441451	48.88	ug/kg	99
92) sec-butylbenzene	14.963	105	1883284	49.07	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71195.D
Acq On : 22 Aug 2013 8:32 am
Operator : krystend
Sample : cc2318-50
Misc : ms29711,msp2332,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 22 10:01:20 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration

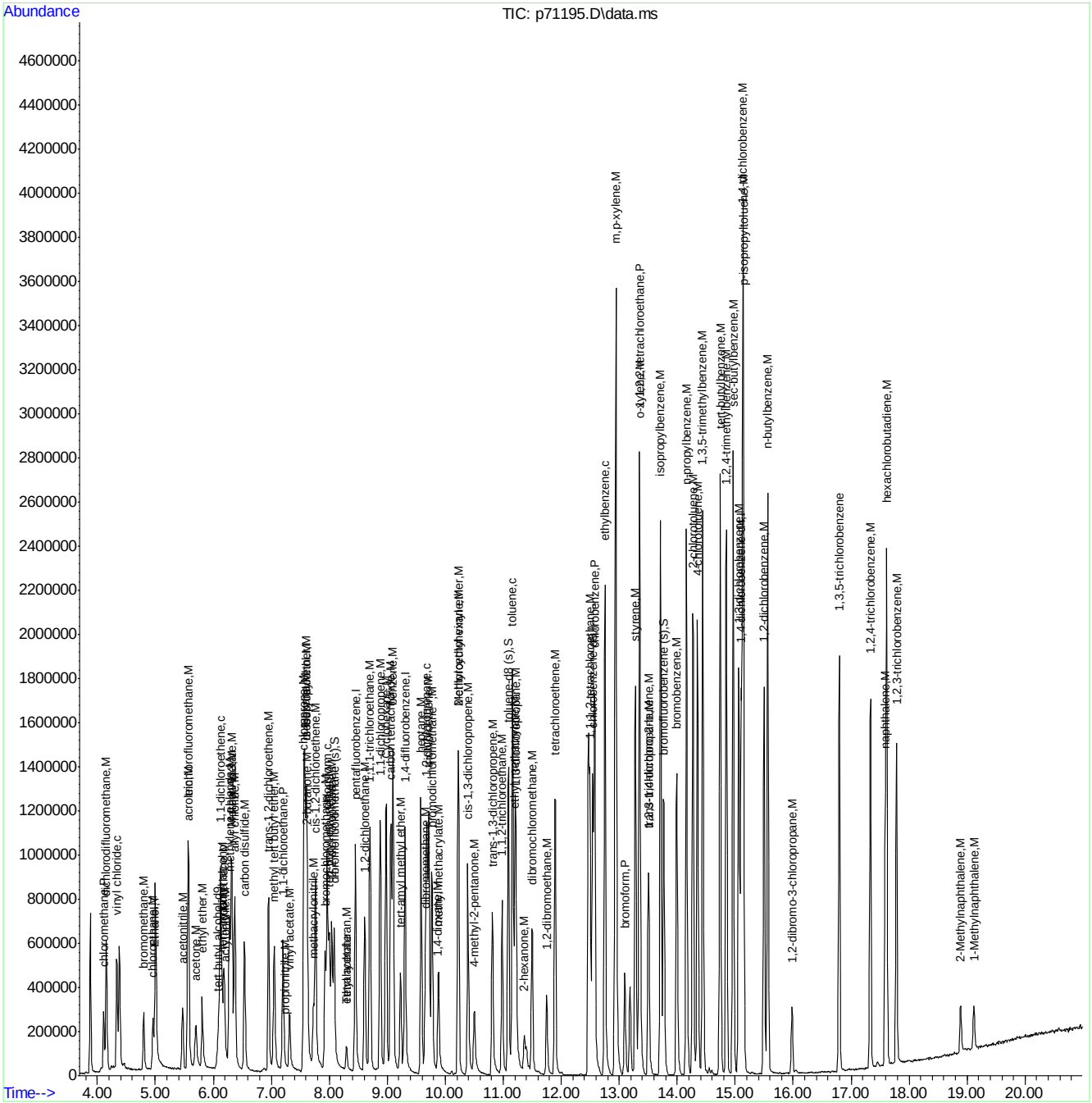
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.065	146	753530	51.76	ug/kg	98
94)	p-isopropyltoluene	15.139	119	1417981	52.08	ug/kg	96
95)	1,4-dichlorobenzene	15.132	146	741333	52.87	ug/kg	97
96)	1,2-dichlorobenzene	15.496	146	713852	52.24	ug/kg	99
97)	n-butylbenzene	15.563	91	1543687	55.45	ug/kg	98
98)	1,2-dibromo-3-chloropr...	15.981	75	87319	54.41	ug/kg	95
99)	1,3,5-trichlorobenzene	16.796	180	601990	59.03	ug/kg	98
100)	1,2,4-trichlorobenzene	17.335	180	528323	53.73	ug/kg	99
101)	hexachlorobutadiene	17.611	225	480306m	64.96	ug/kg	
102)	naphthalene	17.591	128	703931	42.52	ug/kg	100
103)	1,2,3-trichlorobenzene	17.786	180	477716	54.17	ug/kg	93
104)	2-Methylnaphthalene	18.891	142	106007	21.11	ug/kg	96
105)	1-Methylnaphthalene	19.120	142	97287	21.36	ug/kg	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\P130822\
Data File : p71195.D
Acq On : 22 Aug 2013 8:32 am
Operator : krystend
Sample : cc2318-50
Misc : ms29711,msp2332,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 22 10:01:20 2013
Quant Method : C:\msdchem\1\methods\P130805S.M
Quant Title : SW-846 Method 8260
QLast Update : Tue Aug 06 12:41:53 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23630

Accutest Laboratories of New England, Inc. **Instrument: GCMS G**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9345	8260 IS	25Dppb
07	SS	200ppb
47	CC	
44	BS	

Daily Saved File

Tune file 1:	G130653
Tune file 2:	NA
Initial Cal:	8/20/13
ID File:	G130820S.M
ICAL Verified:	JM
Sequence verified:	KR

Date: 8/20/13

Batch ID: MSG5092

Analysts JM

Signature: JM

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
G130652	Blank		NA	CURVE	1	S	10.0g	—	50x	NA	
53	BFB	9307			2						VV 12:03pm
54	ic5092-0.5	9347			3						VV
55	-2				4						VV
56	-5				5						VV
57	-25				6						VV
58	icc5092-50				7						VV
59	ic5092-100				8						VV
60	-200				9						VV
61	-400				10						V
62	Blank				11						
63	Blank				12						
64	icv5092-50	9344			13						V VC low
65	icv5092-50				14						
66	Blank				15						
67	Blank/MB	9307			16						VV
68	MC23641-1	4	MS29686	BTXM	17		14.69		50x		VV
69	MC23579-3	2	MS29688	STAR	18		10.579		500x		VV
70	-4	2			19		10.581				VV
71	MC23578-1	2			20		9.822				VV
72	-3	2			21		11.499				VV
73	-6	2			22		9.561				VV
74	-2	2			23		10.371		1000x		VV
75	MC23641-1ms	4	MS29686	BTXM	24		14.69		50x		VV
76	-1msd	4			25						VV 10:54am
77	Blank	NA	NA	NA	26		—				
78					27		—				
79					28		—				

JM 8/20/13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

ACCUTEST LABORATORIES MC23630

Accutest Laboratories of New England, Inc. **Instrument: GCMS G**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9345	8260 IS	250 ppb
07	SS	200ppb
47	CC	
44	BS	

Daily Saved File

Tune file 1:	G1130684
Tune file 2:	NA
Initial Cal:	8/20/13
ID File:	G1308205.M
ICAL Verified:	JM
Sequence verified:	KR

Date: 8/21/13

Batch ID: MSG5093

Analysts JM

Signature: JM

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
G1130680	BFB	—	NA	NA	1	S	10.0g	—	50x	NA	
81	CC5092-SD	1			2						
82	BS	2			3						vinyl chloride low!
83	BSD	2			4						↓
84	~~BLANK~~ BS	2			5						W 10:43am
85	~~MB~~ BSD	2	↓	↓	6						W
86	Blank	—			7						
87	MB	—	↓	↓ (+)	8		↓				W
88	MC23633-1	1	MS29713	STD+MTBE	9		15.0				W
89	MC23682-1	14		SL(+)	10		5.786				low
90	-2	5			11		4.957				low
91	-3	5		↓	12		5.924				low
92	MC23582-1	4		MCP	13		6.15				W
93	-2	4			14		6.88				W
94	-3	4			15		7.27				W
95	-4	4			16		6.57				W
96	-5	4		↓	17		6.85				W
97	MC23678-1	4		TCL	18		6.56				low
98	-2	4			19		6.62				
99	-3	4			20		6.53				
G1130700	-4	4			21		6.50				
01	-5	4		↓	22		6.63				↓
02	MC23630-3	2		TCL+2(+)	23		12.590				W
03	MC23593-1	1		↓	24		14.316		↓		W TRL cloudy matrix
04	MC23592-1	4		STAR	25		6.92		100x		W
05	MC23591-1	5		PALGTMB+MTBE	26		9.46		200x		W
06	MC23582-1MS	4		MCP	27		6.15		50x		W
07	↓ -1MSD	4	↓	↓	28	↓	↓	↓	↓	↓	W

JM 8/22/13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review: _____

ACCUTEST LABORATORIES MC23630

Accutest Laboratories of New England, Inc. **Instrument: GCMS P**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9327	8260CC	200 ug/mL
311	BS	200
314	IS	50
307	SS	200

Daily Saved File

Tune file 1:	P70798
Tune file 2:	NA
Initial Cal:	8/5/13
ID File:	P130805S.M
ICAL Verified:	KD
Sequence verified:	KD

Date: 8/5/13

Batch ID: MSP2318

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
P70795	test 0.5	1	NA	8260	1	NA	NA	NA	NA	NA	-
96	test 5	1		Low Soil	2						-
97	blank	NA		curve	3						-
98	bfb				4						✓✓
99	blank				5						-
P70800	IC2318-0.5	1			6						✓✓
01	-2				7						✓✓
02	-5				8						✓✓
03	-10				9						✓ Removed
04	-20				10						✓✓
05	ICC2318-50				11						✓✓
06	IC2318-100				12						✓✓
07	-200				13						✓✓
08	-400				14						✓✓
09	blank	NA			15						-
10	blank				16						-
11	ICV2318-50	2			17						✓✓
12	ICV2318-50				18						
13	blank	NA			19						-
14	blank				20						-

8/5/13 (KD)

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

ACCUTEST LABORATORIES MC23630

Accutest Laboratories of New England, Inc. **Instrument: GCMS P**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9327	8260CC	200ug/mL
↓ 44	↓ BS	200 ↓
↓ 17	↓ IS/SS	50 ↓

Daily Saved File

Tune file 1:	P71195
Tune file 2:	NA
Initial Cal:	8/5/13
ID File:	P130805S.M
ICAL Verified:	KD
Sequence verified:	KR

Date: 8/22/13

Batch ID: MSP2332

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
P71194	blank	NA	NA	NA	1	NA	NA	NA	NA	NA	-
↓ 95	CC2318-50	↓	↓	↓	2	↓	↓	↓	↓	↓	VV
96	BS				3						VV
97	blk				4						
98	blk				5						-
↓ 99	mb	↓	↓	↓	6	↓	↓				VV
P71200	MC23502-31	3	MS29711	SL+5	7	50	5.490				VV
01	↓ -34	4	↓	↓	8	↓	5.570				CF VV
02	↓ -35	3	↓	↓	9	↓	5.710				CF VV
03	MC23635-11	2	MS29721	Std+5	10	SSTB	5				RR↓IS
04	MC23678-3	3	↓	TCL	11	50	5.08				need weight+↓IS CF by MeOH
05	↓ -4	2		↓	12		5.02				↓↓IS CF by MeOH
06	MC23630-2	1		TCL42+	13		4.850				CF by MS/MSD
07	MC23629-1	4	↓	TCL+MTBE SPL SPM	14		5.76				RR↓IS
08	MC23713-1A	1	MS29729	RCP	15		5				~~VV~~ RR↓IS
09	-2	1			16		4.310				CF by MeOH VV
10	-3	2			17		5.580				VV
11	-4	2			18		5.470				VV
12	-5	2			19		5.750				VV
13	-6	2			20		5.710				VV
14	-7	2			21		5.240				VV
15	-8	2			22		5.490				VV
16	-15	2			23		5.150				VV
17	↓ -16	2	↓	↓	24		6.040				↓ VV
18	MC23630-2MS	1	MS29721	TCL42+	25		5.389				VV
19	↓ -2MSD	1	↓	↓	26	↓	5.292				VV
↓ 20	blank	NA	NA	NA	27	NA	NA	↓	↓	↓	-

8/22/13 KD

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

Review:_____

New England ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34472-MB	R32873.D	1	08/21/13	KR	08/19/13	OP34472	MSR1199

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23630-1

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	240	11	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	480	12	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	480	14	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	480	79	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	970	120	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	480	61	ug/kg	
95-48-7	2-Methylphenol	ND	480	19	ug/kg	
	3&4-Methylphenol	ND	480	24	ug/kg	
88-75-5	2-Nitrophenol	ND	480	13	ug/kg	
100-02-7	4-Nitrophenol	ND	970	91	ug/kg	
87-86-5	Pentachlorophenol	ND	480	34	ug/kg	
108-95-2	Phenol	ND	240	14	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	480	12	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	480	12	ug/kg	
83-32-9	Acenaphthene	ND	97	13	ug/kg	
208-96-8	Acenaphthylene	ND	97	9.7	ug/kg	
98-86-2	Acetophenone	ND	480	11	ug/kg	
120-12-7	Anthracene	ND	97	12	ug/kg	
1912-24-9	Atrazine	ND	480	480	ug/kg	
100-52-7	Benzaldehyde	ND	480	480	ug/kg	
56-55-3	Benzo(a)anthracene	ND	97	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	97	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	97	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	97	9.7	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	97	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	480	97	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	240	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	240	9.9	ug/kg	
105-60-2	Caprolactam	ND	480	480	ug/kg	
91-58-7	2-Chloronaphthalene	ND	240	13	ug/kg	
106-47-8	4-Chloroaniline	ND	480	12	ug/kg	
86-74-8	Carbazole	ND	97	11	ug/kg	
218-01-9	Chrysene	ND	97	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	240	11	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	240	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	240	17	ug/kg	

Method Blank Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34472-MB	R32873.D	1	08/21/13	KR	08/19/13	OP34472	MSR1199

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23630-1

CAS No.	Compound	Result	RL	MDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	ND	240	15	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	480	32	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	480	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	240	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	97	12	ug/kg	
132-64-9	Dibenzofuran	ND	97	13	ug/kg	
84-74-2	Di-n-butyl phthalate	117	240	26	ug/kg	J
117-84-0	Di-n-octyl phthalate	ND	240	7.6	ug/kg	
84-66-2	Diethyl phthalate	137	240	12	ug/kg	J
131-11-3	Dimethyl phthalate	ND	240	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	240	9.0	ug/kg	
206-44-0	Fluoranthene	ND	97	13	ug/kg	
86-73-7	Fluorene	ND	97	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	240	15	ug/kg	
87-68-3	Hexachlorobutadiene	ND	240	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	480	120	ug/kg	
67-72-1	Hexachloroethane	ND	240	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	97	11	ug/kg	
78-59-1	Isophorone	ND	240	11	ug/kg	
91-57-6	2-Methylnaphthalene	ND	97	12	ug/kg	
88-74-4	2-Nitroaniline	ND	480	12	ug/kg	
99-09-2	3-Nitroaniline	ND	480	27	ug/kg	
100-01-6	4-Nitroaniline	ND	480	12	ug/kg	
91-20-3	Naphthalene	ND	97	16	ug/kg	
98-95-3	Nitrobenzene	ND	240	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	240	14	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	240	15	ug/kg	
85-01-8	Phenanthrene	ND	97	13	ug/kg	
129-00-0	Pyrene	ND	97	11	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	63%	30-130%
4165-62-2	Phenol-d5	65%	30-130%
118-79-6	2,4,6-Tribromophenol	75%	30-130%

Method Blank Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34472-MB	R32873.D	1	08/21/13	KR	08/19/13	OP34472	MSR1199

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23630-1

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	58%	30-130%
321-60-8	2-Fluorobiphenyl	69%	30-130%
1718-51-0	Terphenyl-d14	81%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
625-86-5	Furan, 2,5-dimethyl-	2.05	250	ug/kg	JN
	Total TIC, Semi-Volatile		250	ug/kg	J

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34472-BS	R32874.D	1	08/21/13	KR	08/19/13	OP34472	MSR1199
OP34472-BSD	R32875.D	1	08/21/13	KR	08/19/13	OP34472	MSR1199

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23630-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	2490	1810	73	1530	64	17	30-130/30
59-50-7	4-Chloro-3-methyl phenol	2490	1860	75	1560	65	18	30-130/30
120-83-2	2,4-Dichlorophenol	2490	1970	79	1630	68	19	30-130/30
105-67-9	2,4-Dimethylphenol	2490	1780	72	1530	64	15	30-130/30
51-28-5	2,4-Dinitrophenol	2490	1300	52	1150	48	12	30-130/30
534-52-1	4,6-Dinitro-o-cresol	2490	1850	74	1590	67	15	30-130/30
95-48-7	2-Methylphenol	2490	1780	72	1600	67	11	30-130/30
	3&4-Methylphenol	4980	3520	71	3160	66	11	30-130/30
88-75-5	2-Nitrophenol	2490	1860	75	1550	65	18	30-130/30
100-02-7	4-Nitrophenol	2490	1700	68	1470	62	15	30-130/30
87-86-5	Pentachlorophenol	2490	1430	57	1280	54	11	30-130/30
108-95-2	Phenol	2490	1920	77	1710	72	12	30-130/30
95-95-4	2,4,5-Trichlorophenol	2490	2000	80	1740	73	14	30-130/30
88-06-2	2,4,6-Trichlorophenol	2490	1950	78	1700	71	14	30-130/30
83-32-9	Acenaphthene	2490	2060	83	1770	74	15	40-140/30
208-96-8	Acenaphthylene	2490	1670	67	1450	61	14	40-140/30
98-86-2	Acetophenone	2490	1750	70	1510	63	15	40-140/30
120-12-7	Anthracene	2490	2110	85	1870	78	12	40-140/30
1912-24-9	Atrazine	2490	2120	85	1890	79	11	40-140/30
100-52-7	Benzaldehyde	2490	733	29* [a]	625	26* [a]	16	40-140/30
56-55-3	Benzo(a)anthracene	2490	2270	91	2070	87	9	40-140/30
50-32-8	Benzo(a)pyrene	2490	2060	83	1790	75	14	40-140/30
205-99-2	Benzo(b)fluoranthene	2490	2260	91	1970	83	14	40-140/30
191-24-2	Benzo(g,h,i)perylene	2490	2250	90	1960	82	14	40-140/30
207-08-9	Benzo(k)fluoranthene	2490	2230	90	1890	79	17	40-140/30
92-52-4	1,1'-Biphenyl	2490	1880	76	1650	69	13	40-140/30
101-55-3	4-Bromophenyl phenyl ether	2490	2160	87	1930	81	11	40-140/30
85-68-7	Butyl benzyl phthalate	2490	2230	90	1940	81	14	40-140/30
105-60-2	Caprolactam	2490	2000	80	1720	72	15	40-140/30
91-58-7	2-Chloronaphthalene	2490	2050	82	1840	77	11	40-140/30
106-47-8	4-Chloroaniline	2490	1710	69	1500	63	13	40-140/30
86-74-8	Carbazole	2490	2250	90	1990	83	12	40-140/30
218-01-9	Chrysene	2490	2130	86	1940	81	9	40-140/30
111-91-1	bis(2-Chloroethoxy)methane	2490	1920	77	1610	68	18	40-140/30
111-44-4	bis(2-Chloroethyl)ether	2490	1960	79	1660	70	17	40-140/30
108-60-1	bis(2-Chloroisopropyl)ether	2490	2400	96	2090	88	14	40-140/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34472-BS	R32874.D	1	08/21/13	KR	08/19/13	OP34472	MSR1199
OP34472-BSD	R32875.D	1	08/21/13	KR	08/19/13	OP34472	MSR1199

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23630-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
7005-72-3	4-Chlorophenyl phenyl ether	2490	2180	88	1910	80	13	40-140/30
121-14-2	2,4-Dinitrotoluene	2490	2160	87	1910	80	12	40-140/30
606-20-2	2,6-Dinitrotoluene	2490	2030	82	1780	75	13	40-140/30
91-94-1	3,3'-Dichlorobenzidine	2490	1820	73	1660	70	9	40-140/30
53-70-3	Dibenzo(a,h)anthracene	2490	2190	88	1900	80	14	40-140/30
132-64-9	Dibenzofuran	2490	2010	81	1750	73	14	40-140/30
84-74-2	Di-n-butyl phthalate	2490	2310	93	2050	86	12	40-140/30
117-84-0	Di-n-octyl phthalate	2490	2380	96	2070	87	14	40-140/30
84-66-2	Diethyl phthalate	2490	2320	93	2010	84	14	40-140/30
131-11-3	Dimethyl phthalate	2490	2200	88	1900	80	15	40-140/30
117-81-7	bis(2-Ethylhexyl)phthalate	2490	2210	89	1920	81	14	40-140/30
206-44-0	Fluoranthene	2490	2340	94	2080	87	12	40-140/30
86-73-7	Fluorene	2490	2120	85	1860	78	13	40-140/30
118-74-1	Hexachlorobenzene	2490	2080	84	1830	77	13	40-140/30
87-68-3	Hexachlorobutadiene	2490	1930	78	1540	65	22	40-140/30
77-47-4	Hexachlorocyclopentadiene	2490	846	34* [a]	669	28* [a]	23	40-140/30
67-72-1	Hexachloroethane	2490	1750	70	1470	62	17	40-140/30
193-39-5	Indeno(1,2,3-cd)pyrene	2490	2210	89	1910	80	15	40-140/30
78-59-1	Isophorone	2490	1830	74	1570	66	15	40-140/30
91-57-6	2-Methylnaphthalene	2490	1790	72	1520	64	16	40-140/30
88-74-4	2-Nitroaniline	2490	2140	86	1830	77	16	40-140/30
99-09-2	3-Nitroaniline	2490	1910	77	1740	73	9	40-140/30
100-01-6	4-Nitroaniline	2490	2100	84	1780	75	16	40-140/30
91-20-3	Naphthalene	2490	2640	106	2160	91	20	40-140/30
98-95-3	Nitrobenzene	2490	1700	68	1450	61	16	40-140/30
621-64-7	N-Nitroso-di-n-propylamine	2490	1800	72	1580	66	13	40-140/30
86-30-6	N-Nitrosodiphenylamine	2490	2060	83	1780	75	15	40-140/30
85-01-8	Phenanthrene	2490	2220	89	1940	81	13	40-140/30
129-00-0	Pyrene	2490	2140	86	1910	80	11	40-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	66%	61%	30-130%
4165-62-2	Phenol-d5	67%	62%	30-130%
118-79-6	2,4,6-Tribromophenol	74%	64%	30-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34472-BS	R32874.D	1	08/21/13	KR	08/19/13	OP34472	MSR1199
OP34472-BSD	R32875.D	1	08/21/13	KR	08/19/13	OP34472	MSR1199

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23630-1

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-60-0	Nitrobenzene-d5	64%	58%	30-130%
321-60-8	2-Fluorobiphenyl	72%	66%	30-130%
1718-51-0	Terphenyl-d14	72%	69%	30-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

8.2.1

8

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34472-MS	R32899.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200
OP34472-MSD	R32900.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200
MC23630-1	R32901.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23630-1

CAS No.	Compound	MC23630-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		2870	1770	62	1780	62	1	30-130/30
59-50-7	4-Chloro-3-methyl phenol	ND		2870	2060	72	2290	79	11	30-130/30
120-83-2	2,4-Dichlorophenol	ND		2870	2070	72	2210	76	7	30-130/30
105-67-9	2,4-Dimethylphenol	ND		2870	1870	65	1960	68	5	30-130/30
51-28-5	2,4-Dinitrophenol	ND		2870	349	12* [a]	314	11* [a]	11	30-130/30
534-52-1	4,6-Dinitro-o-cresol	ND		2870	1150	40	1030	36	11	30-130/30
95-48-7	2-Methylphenol	ND		2870	1930	67	2000	69	4	30-130/30
	3&4-Methylphenol	ND		5730	3780	66	3970	69	5	30-130/30
88-75-5	2-Nitrophenol	ND		2870	1810	63	1730	60	5	30-130/30
100-02-7	4-Nitrophenol	ND		2870	1790	62	2020	70	12	30-130/30
87-86-5	Pentachlorophenol	ND		2870	1340	47	1170	40	14	30-130/30
108-95-2	Phenol	ND		2870	2010	70	1960	68	3	30-130/30
95-95-4	2,4,5-Trichlorophenol	ND		2870	2150	75	2360	82	9	30-130/30
88-06-2	2,4,6-Trichlorophenol	ND		2870	2170	76	2260	78	4	30-130/30
83-32-9	Acenaphthene	70.9	J	2870	2390	81	2490	84	4	40-140/30
208-96-8	Acenaphthylene	190		2870	1990	63	2100	66	5	40-140/30
98-86-2	Acetophenone	ND		2870	1810	63	1730	60	5	40-140/30
120-12-7	Anthracene	303		2870	2610	81	2890	89	10	40-140/30
1912-24-9	Atrazine	ND		2870	2520	88	2790	97	10	40-140/30
100-52-7	Benzaldehyde	ND		2870	760	27* [a]	749	26* [a]	1	40-140/30
56-55-3	Benzo(a)anthracene	873		2870	3220	82	3780	101	16	40-140/30
50-32-8	Benzo(a)pyrene	801		2870	2660	65	3230	84	19	40-140/30
205-99-2	Benzo(b)fluoranthene	957		2870	3120	75	3550	90	13	40-140/30
191-24-2	Benzo(g,h,i)perylene	1040		2870	2950	67	3380	81	14	40-140/30
207-08-9	Benzo(k)fluoranthene	706		2870	2660	68	3500	97	27	40-140/30
92-52-4	1,1'-Biphenyl	ND		2870	2190	76	2270	79	4	40-140/30
101-55-3	4-Bromophenyl phenyl ether	ND		2870	2630	92	2790	97	6	40-140/30
85-68-7	Butyl benzyl phthalate	ND		2870	2570	90	2890	100	12	40-140/30
105-60-2	Caprolactam	ND		2870	2010	70	2250	78	11	40-140/30
91-58-7	2-Chloronaphthalene	ND		2870	2370	83	2400	83	1	40-140/30
106-47-8	4-Chloroaniline	ND		2870	1640	57	1650	57	1	40-140/30
86-74-8	Carbazole	186		2870	2730	89	2940	95	7	40-140/30
218-01-9	Chrysene	999		2870	3140	75	3680	93	16	40-140/30
111-91-1	bis(2-Chloroethoxy)methane	ND		2870	1980	69	1920	66	3	40-140/30
111-44-4	bis(2-Chloroethyl)ether	ND		2870	1830	64	1840	64	1	40-140/30
108-60-1	bis(2-Chloroisopropyl)ether	ND		2870	2380	83	2340	81	2	40-140/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34472-MS	R32899.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200
OP34472-MSD	R32900.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200
MC23630-1	R32901.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23630-1

CAS No.	Compound	MC23630-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
7005-72-3	4-Chlorophenyl phenyl ether	ND		2870	2590	90	2690	93	4	40-140/30
121-14-2	2,4-Dinitrotoluene	ND		2870	2450	85	2730	94	11	40-140/30
606-20-2	2,6-Dinitrotoluene	ND		2870	2370	83	2560	89	8	40-140/30
91-94-1	3,3'-Dichlorobenzidine	ND		2870	1050	37* [a]	1040	36* [a]	1	40-140/30
53-70-3	Dibenzo(a,h)anthracene	228		2870	2580	82	2860	91	10	40-140/30
132-64-9	Dibenzofuran	259		2870	2520	79	2720	85	8	40-140/30
84-74-2	Di-n-butyl phthalate	94.9	J	2870	2720	92	2890	97	6	40-140/30
117-84-0	Di-n-octyl phthalate	ND		2870	2770	97	3000	104	8	40-140/30
84-66-2	Diethyl phthalate	ND		2870	2580	90	2760	95	7	40-140/30
131-11-3	Dimethyl phthalate	ND		2870	2510	88	2720	94	8	40-140/30
117-81-7	bis(2-Ethylhexyl)phthalate	272	J	2870	2730	86	3010	95	10	40-140/30
206-44-0	Fluoranthene	1610		2870	3850	78	4590	103	18	40-140/30
86-73-7	Fluorene	63.6	J	2870	2500	85	2710	92	8	40-140/30
118-74-1	Hexachlorobenzene	ND		2870	2410	84	2620	91	8	40-140/30
87-68-3	Hexachlorobutadiene	ND		2870	1870	65	1830	63	2	40-140/30
77-47-4	Hexachlorocyclopentadiene	ND		2870	610	21* [a]	512	18* [a]	17	40-140/30
67-72-1	Hexachloroethane	ND		2870	1590	55	1590	55	0	40-140/30
193-39-5	Indeno(1,2,3-cd)pyrene	674		2870	2690	70	3070	83	13	40-140/30
78-59-1	Isophorone	ND		2870	1920	67	1980	68	3	40-140/30
91-57-6	2-Methylnaphthalene	435		2870	2220	62	2360	67	6	40-140/30
88-74-4	2-Nitroaniline	ND		2870	2550	89	2710	94	6	40-140/30
99-09-2	3-Nitroaniline	ND		2870	2160	75	2150	74	0	40-140/30
100-01-6	4-Nitroaniline	ND		2870	2100	73	2280	79	8	40-140/30
91-20-3	Naphthalene	577		2870	3010	85	3110	88	3	40-140/30
98-95-3	Nitrobenzene	ND		2870	1690	59	1660	57	2	40-140/30
621-64-7	N-Nitroso-di-n-propylamine	ND		2870	1920	67	1930	67	1	40-140/30
86-30-6	N-Nitrosodiphenylamine	ND		2870	2500	87	2510	87	0	40-140/30
85-01-8	Phenanthrene	1210		2870	3460	79	3980	96	14	40-140/30
129-00-0	Pyrene	1400		2870	3500	73	4190	97	18	40-140/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23630-1	Limits
367-12-4	2-Fluorophenol	56%	51%	61%	30-130%
4165-62-2	Phenol-d5	61%	58%	63%	30-130%
118-79-6	2,4,6-Tribromophenol	69%	72%	63%	30-130%

* = Outside of Control Limits.

8.3.1

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34472-MS	R32899.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200
OP34472-MSD	R32900.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200
MC23630-1	R32901.D	1	08/21/13	KR	08/19/13	OP34472	MSR1200

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC23630-1

CAS No.	Surrogate Recoveries	MS	MSD	MC23630-1	Limits
4165-60-0	Nitrobenzene-d5	55%	49%	55%	30-130%
321-60-8	2-Fluorobiphenyl	69%	67%	69%	30-130%
1718-51-0	Terphenyl-d14	75%	81%	73%	30-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSR1159-DFTPP
Lab File ID: R31829.D
Instrument ID: GCMSR
Injection Date: 06/28/13
Injection Time: 19:25

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	15081	37.7		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	15275	38.1		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	18690	46.7		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	40043	100.0		Pass
199	5.0 - 9.0% of mass 198	2731	6.82		Pass
275	10.0 - 30.0% of mass 198	10188	25.4		Pass
365	1.0 - 100.0% of mass 198	1276	3.19		Pass
441	Present, but less than mass 443	5840	14.6	(81.2) [b]	Pass
442	40.0 - 100.0% of mass 198	36685	91.6		Pass
443	17.0 - 23.0% of mass 442	7191	18.0	(19.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSR1159-ICC1159	R31830.D	06/28/13	19:48	00:23	Initial cal 50
MSR1159-IC1159	R31831.D	06/28/13	20:11	00:46	Initial cal 2
MSR1159-IC1159	R31832.D	06/28/13	20:33	01:08	Initial cal 5
MSR1159-IC1159	R31833.D	06/28/13	20:56	01:31	Initial cal 10
MSR1159-IC1159	R31834.D	06/28/13	21:19	01:54	Initial cal 20
MSR1159-IC1159	R31835.D	06/28/13	21:42	02:17	Initial cal 80
MSR1159-IC1159	R31836.D	06/28/13	22:05	02:40	Initial cal 120
MSR1159-IC1159	R31837.D	06/28/13	22:27	03:02	Initial cal 160
MSR1159-IC1159	R31839.D	06/28/13	23:13	03:48	Initial cal 5
MSR1159-IC1159	R31840.D	06/28/13	23:36	04:11	Initial cal 10
MSR1159-IC1159	R31841.D	06/28/13	23:59	04:34	Initial cal 20
MSR1159-IC1159	R31842.D	06/29/13	00:21	04:56	Initial cal 50
MSR1159-IC1159	R31843.D	06/29/13	00:45	05:20	Initial cal 80
MSR1159-IC1159	R31844.D	06/29/13	01:08	05:43	Initial cal 120
MSR1159-IC1159	R31845.D	06/29/13	01:32	06:07	Initial cal 160

Instrument Performance Check (DFTPP)

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSR1199-DFTPP
Lab File ID: R32870.D
Instrument ID: GCMSR
Injection Date: 08/21/13
Injection Time: 07:25

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	17071	39.0		Pass
68	Less than 2.0% of mass 69	262	0.60	(1.69) [a]	Pass
69	Mass 69 relative abundance	15534	35.5		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	18477	42.2		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	43749	100.0		Pass
199	5.0 - 9.0% of mass 198	2876	6.57		Pass
275	10.0 - 30.0% of mass 198	10247	23.4		Pass
365	1.0 - 100.0% of mass 198	1317	3.01		Pass
441	Present, but less than mass 443	6327	14.5	(84.3) [b]	Pass
442	40.0 - 100.0% of mass 198	39488	90.3		Pass
443	17.0 - 23.0% of mass 442	7505	17.2	(19.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSR1199-CC1159	R32871.D	08/21/13	07:48	00:23	Continuing cal 80
MSR1199-CC1159	R32872.D	08/21/13	08:10	00:45	Continuing cal 50
OP34472-MB	R32873.D	08/21/13	08:33	01:08	Method Blank
OP34472-BS	R32874.D	08/21/13	08:55	01:30	Blank Spike
OP34472-BSD	R32875.D	08/21/13	09:17	01:52	Blank Spike Duplicate
OP34429-MB	R32876.D	08/21/13	09:40	02:15	Method Blank
OP34429-BS	R32877.D	08/21/13	10:02	02:37	Blank Spike
OP34429-MS	R32878.D	08/21/13	10:25	03:00	Matrix Spike
OP34429-MSD	R32879.D	08/21/13	10:48	03:23	Matrix Spike Duplicate
MC23500-5	R32880.D	08/21/13	11:10	03:45	(used for QC only; not part of job MC23630)
ZZZZZZ	R32881.D	08/21/13	11:33	04:08	(unrelated sample)
ZZZZZZ	R32882.D	08/21/13	11:55	04:30	(unrelated sample)
ZZZZZZ	R32883.D	08/21/13	12:18	04:53	(unrelated sample)
ZZZZZZ	R32884.D	08/21/13	12:40	05:15	(unrelated sample)
ZZZZZZ	R32885.D	08/21/13	13:03	05:38	(unrelated sample)
ZZZZZZ	R32886.D	08/21/13	13:26	06:01	(unrelated sample)
ZZZZZZ	R32887.D	08/21/13	13:48	06:23	(unrelated sample)
ZZZZZZ	R32888.D	08/21/13	14:11	06:46	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSR1200-DFTPP
Lab File ID: R32889.D
Instrument ID: GCMSR
Injection Date: 08/21/13
Injection Time: 15:26

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	19398	40.7		Pass
68	Less than 2.0% of mass 69	160	0.34	(0.91) [a]	Pass
69	Mass 69 relative abundance	17645	37.0		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	20353	42.7		Pass
197	Less than 1.0% of mass 198	175	0.37		Pass
198	Base peak, 100% relative abundance	47669	100.0		Pass
199	5.0 - 9.0% of mass 198	3366	7.06		Pass
275	10.0 - 30.0% of mass 198	12031	25.2		Pass
365	1.0 - 100.0% of mass 198	1412	2.96		Pass
441	Present, but less than mass 443	7242	15.2	(88.1) [b]	Pass
442	40.0 - 100.0% of mass 198	46885	98.4		Pass
443	17.0 - 23.0% of mass 442	8220	17.2	(17.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSR1200-CC1159	R32890.D	08/21/13	16:11	00:45	Continuing cal 80
MSR1200-CC1159	R32891.D	08/21/13	16:30	01:04	Continuing cal 50
OP34450-MB	R32892.D	08/21/13	16:52	01:26	Method Blank
OP34450-BS	R32893.D	08/21/13	17:15	01:49	Blank Spike
OP34450-MS	R32894.D	08/21/13	17:38	02:12	Matrix Spike
OP34450-MSD	R32895.D	08/21/13	18:01	02:35	Matrix Spike Duplicate
MC23500-8	R32896.D	08/21/13	18:24	02:58	(used for QC only; not part of job MC23630)
ZZZZZZ	R32897.D	08/21/13	18:46	03:20	(unrelated sample)
ZZZZZZ	R32898.D	08/21/13	19:09	03:43	(unrelated sample)
OP34472-MS	R32899.D	08/21/13	19:32	04:06	Matrix Spike
OP34472-MSD	R32900.D	08/21/13	19:54	04:28	Matrix Spike Duplicate
MC23630-1	R32901.D	08/21/13	20:17	04:51	MW-04-6'
ZZZZZZ	R32902.D	08/21/13	20:39	05:13	(unrelated sample)
ZZZZZZ	R32903.D	08/21/13	21:02	05:36	(unrelated sample)
ZZZZZZ	R32904.D	08/21/13	21:24	05:58	(unrelated sample)
ZZZZZZ	R32905.D	08/21/13	21:47	06:21	(unrelated sample)
ZZZZZZ	R32906.D	08/21/13	22:09	06:43	(unrelated sample)
ZZZZZZ	R32907.D	08/21/13	22:32	07:06	(unrelated sample)
ZZZZZZ	R32908.D	08/21/13	22:54	07:28	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample:	MSR1200-DFTPP	**Injection Date:**	08/21/13
Lab File ID:	R32889.D	**Injection Time:**	15:26
Instrument ID:	GCMSR		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	R32909.D	08/21/13	23:17	07:51	(unrelated sample)
ZZZZZZ	R32910.D	08/21/13	23:39	08:13	(unrelated sample)
ZZZZZZ	R32911.D	08/22/13	00:02	08:36	(unrelated sample)
ZZZZZZ	R32912.D	08/22/13	00:24	08:58	(unrelated sample)
ZZZZZZ	R32913.D	08/22/13	00:46	09:20	(unrelated sample)
ZZZZZZ	R32914.D	08/22/13	01:09	09:43	(unrelated sample)
ZZZZZZ	R32915.D	08/22/13	01:31	10:05	(unrelated sample)
ZZZZZZ	R32916.D	08/22/13	01:53	10:27	(unrelated sample)
ZZZZZZ	R32917.D	08/22/13	02:16	10:50	(unrelated sample)
ZZZZZZ	R32918.D	08/22/13	02:38	11:12	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	MSR1199-CC1159	**Injection Date:**	08/21/13
Lab File ID:	R32871.D	**Injection Time:**	07:48
Instrument ID:	GCMSR	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	59526	4.15	218439	5.21	130932	6.74	225412	8.13	261483	11.10	240322	12.69
Upper Limit [a]	119052	4.65	436878	5.71	261864	7.24	450824	8.63	522966	11.60	480644	13.19
Lower Limit [b]	29763	3.65	109220	4.71	65466	6.24	112706	7.63	130742	10.60	120161	12.19
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
OP34472-MB	50463	4.15	186459	5.21	113262	6.73	194575	8.13	221203	11.10	206001	12.68
OP34472-BS	52818	4.15	187072	5.21	114245	6.73	193981	8.13	221844	11.10	206539	12.69
OP34472-BSD	52560	4.15	194560	5.21	118355	6.73	200234	8.13	225405	11.10	213179	12.69
OP34429-MB	43390	4.15	158247	5.21	96303	6.73	167812	8.13	189106	11.09	180414	12.68
OP34429-BS	56409	4.15	211305	5.21	126872	6.73	218570	8.13	249356	11.10	234816	12.69
OP34429-MS	64475	4.15	234566	5.21	142032	6.74	246097	8.13	273796	11.10	260975	12.69
OP34429-MSD	50429	4.15	188217	5.21	113628	6.73	195615	8.13	222155	11.10	214093	12.69
MC23500-5	35060	4.15	133297	5.21	79804	6.73	139177	8.13	153612	11.09	147789	12.68
ZZZZZZ	44006	4.15	160771	5.21	98959	6.73	165982	8.13	190553	11.09	176652	12.68
ZZZZZZ	41895	4.15	156747	5.21	97405	6.73	164210	8.13	182274	11.09	172594	12.68
ZZZZZZ	35316	4.15	129307	5.21	76877	6.73	132689	8.13	151566	11.09	142807	12.68
ZZZZZZ	31720	4.15	120097	5.21	72517	6.73	126612	8.13	141122	11.09	134011	12.68
ZZZZZZ	39090	4.15	143061	5.21	88159	6.73	150896	8.13	168741	11.09	159725	12.68
ZZZZZZ	41846	4.15	151666	5.21	92103	6.73	162376	8.13	179840	11.09	173789	12.68
ZZZZZZ	33545	4.15	123090	5.21	76187	6.73	126930	8.13	145322	11.09	135558	12.68
ZZZZZZ	32476	4.15	120267	5.21	73221	6.73	126448	8.13	139511	11.09	133970	12.68

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std: MSR1200-CC1159 **Injection Date:** 08/21/13
Lab File ID: R32890.D **Injection Time:** 16:11
Instrument ID: GCMSR **Method:** SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	55025	4.15	213777	5.21	126416	6.73	223959	8.13	251988	11.10	230887	12.68
Upper Limit [a]	110050	4.65	427554	5.71	252832	7.23	447918	8.63	503976	11.60	461774	13.18
Lower Limit [b]	27513	3.65	106889	4.71	63208	6.23	111980	7.63	125994	10.60	115444	12.18
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
OP34450-MB	68915	4.15	251803	5.21	155800	6.73	260401	8.13	296643	11.09	277752	12.68
OP34450-BS	60146	4.15	213261	5.21	133092	6.73	230614	8.13	258086	11.09	239118	12.68
OP34450-MS	58257	4.15	206307	5.21	125297	6.73	214412	8.13	241308	11.09	228958	12.68
OP34450-MSD	61570	4.15	229249	5.21	139095	6.73	234656	8.13	262838	11.09	246548	12.68
MC23500-8	47403	4.15	179386	5.21	105269	6.73	192466	8.13	209488	11.09	193853	12.68
ZZZZZZ	48524	4.15	177053	5.21	103315	6.73	186907	8.13	204554	11.09	197868	12.68
ZZZZZZ	50255	4.15	187896	5.21	111866	6.73	196006	8.13	216100	11.09	205748	12.68
OP34472-MS	59948	4.15	218396	5.21	133004	6.73	227180	8.13	252385	11.10	243313	12.68
OP34472-MSD	64299	4.15	239953	5.21	147235	6.73	254881	8.13	276992	11.10	264154	12.69
MC23630-1	76382	4.15	290965	5.21	177865	6.73	310358	8.13	335104	11.10	310580	12.69
ZZZZZZ	69505	4.15	252097	5.21	155095	6.73	267441	8.13	306854	11.11	273283	12.70
ZZZZZZ	78581	4.15	290267	5.21	176128	6.73	306485	8.13	346823	11.09	318577	12.68
ZZZZZZ	66860	4.15	240392	5.21	147109	6.73	259821	8.13	282232	11.09	271408	12.68
ZZZZZZ	71819	4.15	265076	5.21	163118	6.73	285499	8.13	335051	11.09	317360	12.68
ZZZZZZ	73791	4.15	261236	5.21	166686	6.73	281305	8.13	309730	11.09	297990	12.68
ZZZZZZ	63283	4.15	232687	5.21	141802	6.73	244348	8.13	275620	11.09	259362	12.68
ZZZZZZ	60686	4.15	222496	5.21	138448	6.73	238449	8.13	263489	11.09	253165	12.68
ZZZZZZ	72764	4.15	257220	5.21	156108	6.73	275803	8.13	308364	11.09	291844	12.68
ZZZZZZ	67966	4.15	244375	5.21	150717	6.73	260192	8.13	293322	11.09	283258	12.68
ZZZZZZ	62983	4.15	237376	5.21	141073	6.73	248923	8.13	279855	11.09	263980	12.68
ZZZZZZ	61347	4.15	227745	5.21	139169	6.73	231431	8.13	263593	11.09	252560	12.68
ZZZZZZ	73850	4.15	262624	5.22	169549	6.73	280720	8.13	318099	11.09	293556	12.68
ZZZZZZ	66064	4.15	240618	5.22	148802	6.73	249478	8.13	277500	11.09	265353	12.68
ZZZZZZ	85032	4.15	309994	5.21	188238	6.73	330714	8.13	367329	11.09	352180	12.68
ZZZZZZ	73215	4.15	264987	5.21	160575	6.73	284254	8.13	309836	11.09	303508	12.68
ZZZZZZ	71326	4.15	262156	5.22	162804	6.73	268426	8.13	302469	11.09	288193	12.68
ZZZZZZ	63850	4.15	232256	5.21	140734	6.73	249471	8.13	281098	11.09	264354	12.68

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

Semivolatile Internal Standard Area Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	MSR1200-CC1159	**Injection Date:**	08/21/13
Lab File ID:	R32890.D	**Injection Time:**	16:11
Instrument ID:	GCMSR	**Method:**	SW846 8270C

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Method: SW846 8270C **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC23630-1	R32901.D	61.0	63.0	63.0	55.0	69.0	73.0
OP34472-BS	R32874.D	66.0	67.0	74.0	64.0	72.0	72.0
OP34472-BSD	R32875.D	61.0	62.0	64.0	58.0	66.0	69.0
OP34472-MB	R32873.D	63.0	65.0	75.0	58.0	69.0	81.0
OP34472-MS	R32899.D	56.0	61.0	69.0	55.0	69.0	75.0
OP34472-MSD	R32900.D	51.0	58.0	72.0	49.0	67.0	81.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	30-130%
S2 = Phenol-d5	30-130%
S3 = 2,4,6-Tribromophenol	30-130%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

Initial Calibration Summary

Job Number: MC23630 **Sample:** MSR1159-ICC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31830.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report MSR

Method : W:\1\methods\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

Calibration Files
160 =R31845.D 120 =R31844.D 80 =R31843.D 20 =R31841.D
5 =R31839.D 2 =R31831.D 10 =R31840.D 50 =R31842.D

	Compound	160	120	80	20	5	2	10	50	Avg	%RSD
1)	I 1,4-Dichlorobenzene-d	----------				ISTD	----------				
2)	N-nitrosodim	0.816	0.822	0.786	0.784	0.710		0.795	0.791	0.786	4.67
3)	Pyridine	1.434	1.468	1.433	1.428	1.372		1.426	1.449	1.430	2.05
4)	Aniline	1.906	1.924	1.873	1.823	1.746	1.640	1.793	1.871	1.822	5.18
5)	2-Fluorophen	1.258	1.270	1.207	1.195	1.238	1.083	1.215	1.233	1.213	4.79
6)	bis(2-Chloro	0.888	0.906	0.859	0.857	0.889	0.781	0.866	0.875	0.865	4.37
7)	Phenol-d5	1.594	1.597	1.530	1.524	1.518	1.541	1.462	1.516	1.535	2.85
8)	Phenol	1.604	1.611	1.566	1.557	1.446	1.434	1.457	1.546	1.528	4.68
9)	2-Chlorophen	1.350	1.380	1.314	1.287	1.177	1.186	1.283	1.323	1.287	5.64
10)	1,3-Dichloro	1.493	1.499	1.444	1.449	1.444	1.381	1.480	1.458	1.456	2.56
11)	1,4-Dichloro	1.564	1.574	1.514	1.491	1.439	1.519	1.471	1.544	1.515	3.05
12)	1,2-Dichloro	1.420	1.441	1.366	1.325	1.277	1.282	1.334	1.408	1.357	4.60
13)	Benzyl alcoh	0.866	0.885	0.848	0.796	0.754		0.778	0.866	0.828	6.14
14)	bis(2-chloro	1.520	1.521	1.479	1.492	1.508	1.365	1.419	1.513	1.477	3.80
15)	o-cresol	1.165	1.169	1.154	1.104	1.041	1.030	1.027	1.169	1.107	5.92
16)	Acetophenone	1.871	1.909	1.853	1.862	1.816	1.700	1.728	1.884	1.828	4.14
17)	Hexachloroet	0.576	0.590	0.569	0.572	0.552	0.548	0.536	0.576	0.565	3.13
18)	N-Nitroso-di	0.892	0.902	0.870	0.877	0.744	0.937	0.787	0.861	0.859	7.32
19)	m+p-cresols	1.284	1.293	1.252	1.180	1.157	1.130	1.141	1.265	1.213	5.57
20)	4-methylphen	1.284	1.293	1.252	1.180	1.157	1.130	1.141	1.264	1.213	5.56
21)	I 1,4-Dichlorobenzene-d	----------				ISTD	----------				
22)	Benzaldehyde			1.030	0.999	0.925		1.134	1.025	1.023	7.34
23)	I Naphthalene-d8			----------		ISTD	----------				
24)	Nitrobenzene	0.403	0.392	0.380	0.386	0.381	0.361	0.376	0.379	0.382	3.21
25)	Nitrobenzene	0.400	0.387	0.379	0.384	0.389	0.393	0.374	0.381	0.386	2.14
26)	Isophorone	0.694	0.675	0.645	0.645	0.598	0.618	0.617	0.648	0.643	4.90
27)	2-Nitropheno	0.203	0.193	0.186	0.175	0.166		0.174	0.189	0.184	6.86
28)	2,4-Dimethyl	0.369	0.361	0.340	0.351	0.283		0.331	0.350	0.341	8.36
29)	bis(2-Chloro	0.411	0.401	0.386	0.396	0.367		0.377	0.374	0.388	4.09
30)	Benzoic acid	0.292	0.280	0.262	0.196			0.158	0.240	0.238	21.79
	---- Linear regression ---- Coefficient = 0.9955										
	Response Ratio = -0.03395 + 0.28255 *A										
31)	2,4-Dichloro	0.325	0.312	0.304	0.295	0.260		0.295	0.312	0.300	6.88
32)	1,2,4-Trichl	0.355	0.339	0.327	0.336	0.339	0.325	0.325	0.327	0.334	3.15
33)	Naphthalene	1.120	1.066	1.023	1.044	0.983	1.037	1.028	1.046	1.044	3.76
34)	2,6-Dichloro	0.315	0.310	0.295	0.303	0.274		0.282	0.303	0.297	4.95
35)	4-Chloroanil	0.466	0.445	0.435	0.439	0.402		0.410	0.437	0.433	4.97
36)	Hexachlorobu	0.217	0.215	0.207	0.223	0.191	0.186	0.218	0.210	0.208	6.34
37)	4-Chloro-3-m	0.314	0.305	0.296	0.286	0.264		0.268	0.296	0.290	6.37
38)	2-Methylnaph	0.779	0.751	0.732	0.733	0.695	0.721	0.699	0.746	0.732	3.79
39)	1-Methylnaph	0.740	0.719	0.707	0.701	0.704	0.719	0.692	0.708	0.711	2.04
40)	1,2,4,5-Tetr	0.395	0.386	0.375	0.377	0.393	0.408	0.382	0.381	0.387	2.79

Initial Calibration Summary

Job Number: MC23630 **Sample:** MSR1159-ICC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31830.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
41) I   Naphthalene-d8a       ----------------ISTD--------------------
42) Caprolactam  0.164 0.161 0.156 0.148 0.106       0.132 0.159 0.146  14.30
            ---- Linear regression ----  Coefficient =  0.9997
              Response Ratio = -0.00729 + 0.16297 *A


43) I   Acenaphthene-d10      ----------------ISTD--------------------
44) Pentachloron 0.182 0.177 0.176 0.157             0.151 0.176 0.170   7.38
45) Hexachlorocy 0.428 0.417 0.402 0.390 0.358       0.342 0.404 0.392   7.95
46) 2,4,6-Trichl 0.395 0.391 0.389 0.364 0.333       0.346 0.382 0.371   6.54
47) 2,4,5-Trichl 0.412 0.405 0.403 0.406 0.359       0.350 0.403 0.391   6.52
48) 2-Fluorobiph 1.363 1.361 1.330 1.350 1.303 1.299 1.312 1.325 1.331   1.90
49) 2-Chloronaph 1.098 1.089 1.064 1.101 1.008 1.099 1.030 1.053 1.068   3.31
50) Acenaphthyle 1.833 1.804 1.776 1.777 1.637 1.661 1.661 1.751 1.737   4.27
51) Dimethylphth 1.281 1.260 1.248 1.258 1.173 1.138 1.177 1.228 1.221   4.21
52) 2,4-Dinitrot 0.401 0.391 0.380 0.373 0.323       0.331 0.373 0.368   8.02
53) Acenaphthene 1.181 1.152 1.146 1.152 1.131 1.049 1.053 1.128 1.124   4.28
54) 2,4-Dinitrop 0.214 0.211 0.197 0.158                   0.175 0.191  12.56
55) Dibenzofuran 1.662 1.643 1.616 1.620 1.489 1.590 1.525 1.587 1.592   3.67
56) 2,6-Dinitrot 0.304 0.303 0.298 0.281 0.227       0.252 0.285 0.278  10.41
57) 4-Nitropheno 0.260 0.253 0.250 0.235             0.208 0.250 0.243   7.75
58) 2,3,4,6-Tetr 0.367 0.355 0.359 0.321 0.301       0.291 0.346 0.334   8.97
59) Fluorene     1.355 1.321 1.308 1.295 1.238 1.214 1.223 1.286 1.280   3.93
60) 4-Chlorophen 0.644 0.637 0.638 0.645 0.595 0.629 0.592 0.620 0.625   3.37
61) Diethylphtha 1.289 1.262 1.250 1.236 1.126 1.167 1.172 1.225 1.216   4.56
62) 2-nitroanili 0.375 0.364 0.360 0.343 0.284       0.303 0.350 0.340   9.94
63) 3-nitroanili 0.321 0.315 0.314 0.298             0.270 0.299 0.303   6.18
64) 4-nitroanili 0.321 0.316 0.303 0.297             0.264 0.297 0.300   6.80

65)     Acenaphthene-d10a     ----------------ISTD--------------------
66) 1,1'-Bipheny 1.502 1.506 1.463 1.391 1.447       1.429 1.491 1.461   2.90

67) I   Phenanthrene-d10      ----------------ISTD--------------------
68) 4,6-Dinitro- 0.162 0.153 0.152 0.135             0.101 0.147 0.142  15.35
            ---- Linear regression ----  Coefficient =  0.9994
              Response Ratio = -0.01474 + 0.16125 *A

69) n-Nitrosodip 0.556 0.543 0.538 0.532 0.490 0.491 0.493 0.529 0.522   5.03
70) 1,2-Diphenyl 0.712 0.689 0.686 0.672 0.633 0.677 0.674 0.683 0.678   3.27
71) 2,4,6-Tribro 0.133 0.131 0.129 0.119 0.097       0.107 0.123 0.120  11.27
72) 4-Bromopheny 0.228 0.224 0.219 0.214 0.205 0.200 0.216 0.222 0.216   4.42
73) Hexachlorobe 0.253 0.247 0.245 0.259 0.243 0.235 0.226 0.247 0.244   4.17
74) Pentachlorop 0.178 0.176 0.169 0.146             0.123 0.159 0.158  13.38
75) Phenanthrene 1.148 1.090 1.092 1.069 1.038 1.054 1.062 1.092 1.081   3.10
76) Anthracene   1.184 1.153 1.150 1.122 1.075 1.000 1.055 1.131 1.109   5.47
77) Carbazole    1.085 1.065 1.034 0.992 0.937 0.815 0.944 1.033 0.988   8.88
78) Di-n-butylph 1.322 1.278 1.267 1.179 1.011       1.084 1.230 1.196   9.40
79) Fluoranthene 1.244 1.199 1.191 1.150 1.057 1.010 1.097 1.173 1.140   6.95

80) I   Phenanthrene-d10a     ----------------ISTD--------------------
81) Atrazine           0.212 0.212 0.199 0.159       0.177 0.215 0.196  11.74

82) I   Chrysene-d12          ----------------ISTD--------------------
83) Benzidine    0.412 0.391 0.382 0.347             0.280 0.386 0.366  12.86
84) Pyrene       1.236 1.203 1.155 1.160 1.079 1.043 1.106 1.164 1.143   5.59
85) Terphenyl-d1 0.900 0.894 0.863 0.878 0.834 0.820 0.804 0.856 0.856   4.06
86) 3,3-Dimethyl 0.518 0.507 0.497 0.434             0.382 0.486 0.471  11.16
87) Butylbenzylp 0.524 0.511 0.483 0.481 0.382       0.430 0.499 0.473  10.55
88) 3,3'-Dichlor 0.459 0.448 0.429 0.372 0.277       0.329 0.411 0.389  17.23
            ---- Linear regression ----  Coefficient =  0.9972
```

Initial Calibration Summary

Job Number: MC23630 **Sample:** MSR1159-ICC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31830.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
               Response Ratio = -0.02247 + 0.44011 *A

 89) Benzo[a]anth 1.123 1.106 1.067 1.054 0.946 0.918 0.998 1.060 1.034   7.09
 90) Chrysene     1.092 1.079 1.035 1.036 0.993 0.973 0.993 1.025 1.028   4.06
 91) bis(2-Ethylh 0.762 0.739 0.704 0.658 0.485       0.558 0.696 0.657  15.33
             ---- Linear regression ----  Coefficient =  0.9981
               Response Ratio = -0.03404 + 0.73447 *A


 92) I   Perylene-d12          ----------------ISTD---------------------
 93) Di-n-octylph 1.301 1.253 1.170 1.032 0.673       0.798 1.128 1.051  22.33#
             ---- Linear regression ----  Coefficient =  0.9982
               Response Ratio = -0.16023 + 1.31545 *A

 94) Benzo[b]fluo 1.283 1.289 1.153 1.147 0.978 1.027 1.095 1.199 1.146   9.74
 95) Benzo[k]fluo 1.221 1.157 1.185 1.183 1.018 0.943 1.110 1.121 1.117   8.39
 96) Benzo[a]pyre 1.142 1.115 1.088 1.071 0.857 0.803 0.950 1.056 1.010  12.45
 97) Indeno[1,2,3 1.420 1.410 1.340 1.298 1.102 1.019 1.189 1.310 1.261  11.48
 98) Dibenz[a,h]a 1.152 1.133 1.066 1.053 0.918 0.844 0.921 1.058 1.018  10.88
 99) Benzo[g,h,i] 1.145 1.146 1.100 1.085 0.921 0.885 1.006 1.090 1.047   9.49

100)     Naphthalene-d8b       ----------------ISTD---------------------
101) o-Toluic Aci 0.220 0.207 0.203 0.156 0.099       0.125 0.193 0.172  26.87
             ---- Quadratic regression ----  Coefficient =  0.9997
               Response Ratio = -0.01503 + 0.19200 *A + 0.00772 *A^2

102) m-Toluic Aci 0.279 0.270 0.236 0.178 0.119       0.154 0.229 0.209  28.96
             ---- Quadratic regression ----  Coefficient =  0.9992
               Response Ratio = -0.01899 + 0.22129 *A + 0.01614 *A^2

103) p-Toluic Aci 0.319 0.319 0.316 0.310 0.234       0.298 0.336 0.304  10.83
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           R130628_8270+.m        Tue Jul 09 10:08:52 2013
```

Initial Calibration Verification

Job Number: MC23630 **Sample:** MSR1160-ICV1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31849.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\R130701\R31849.D Vial: 100
Acq On : 1 Jul 2013 8:41 am Operator: kristinr
Sample : ICV1159-50 Inst : MSR
Misc : op33699,msr1160,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : W:\1\methods\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Mon Jul 08 17:06:27 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	172	0.00	4.42
2		N-nitrosodimethylamine	0.786	0.773	1.7	168	0.00	2.55
3	T	Pyridine	1.430	1.271	11.1	151	0.00	2.57
4	T	Aniline	1.822	1.646	9.7	152	0.00	4.19
5	S	2-Fluorophenol	1.213	1.268	-4.5	177	0.00	3.47
6	T	bis(2-Chloroethyl)ether	0.865	0.877	-1.4	172	0.00	4.22
7	S	Phenol-d5	1.535	1.569	-2.2	178	0.00	4.14
8	C	Phenol	1.528	1.595	-4.4	178	0.00	4.15
9	M	2-Chlorophenol	1.287	1.371	-6.5	179	0.00	4.28
10	T	1,3-Dichlorobenzene	1.456	1.420	2.5	168	0.00	4.40
11	C	1,4-Dichlorobenzene	1.515	1.478	2.4	165	0.00	4.44
12	T	1,2-Dichlorobenzene	1.357	1.406	-3.6	172	0.00	4.59
13	T	Benzyl alcohol	0.828	0.829	-0.1	165	0.00	4.54
14	T	bis(2-chloroisopropyl)eth	1.477	1.819	-23.2#	207#	0.00	4.66
15	T	o-cresol	1.107	1.157	-4.5	170	0.00	4.63
16	T	Acetophenone	1.828	1.818	0.5	166	0.00	4.76
17	T	Hexachloroethane	0.565	0.565	0.0	169	0.00	4.84
18	P	N-Nitroso-di-n-propylamin	0.859	0.919	-7.0	184	0.00	4.78
19	T	m+p-cresols	1.213	1.283	-5.8	175	0.00	4.75
20		4-methylphenol	1.213	1.283	-5.8	175	0.00	4.75
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	103	0.00	4.42
22		Benzaldehyde	1.023	0.918	10.3	92	0.00	4.09
23	I	Naphthalene-d8	1.000	1.000	0.0	179	0.00	5.48
24	S	Nitrobenzene-d5	0.382	0.367	3.9	173	0.00	4.89
25	T	Nitrobenzene	0.386	0.355	8.0	167	0.00	4.91
26	T	Isophorone	0.643	0.609	5.3	168	0.00	5.10
27	C	2-Nitrophenol	0.184	0.181	1.6	171	0.00	5.17
28	T	2,4-Dimethylphenol	0.341	0.340	0.3	174	0.00	5.19
29	T	bis(2-Chloroethoxy)methan	0.388	0.388	0.0	185	0.00	5.27
		----------	Amount	Calc.	%Drift	----------		
30	T	Benzoic acid	50.000	53.410	-6.8	204	0.01	5.27
		----------	AvgRF	CCRF	%Dev	----------		
31	C	2,4-Dichlorophenol	0.300	0.304	-1.3	174	0.00	5.37
32	M	1,2,4-Trichlorobenzene	0.334	0.336	-0.6	184	0.00	5.44
33	T	Naphthalene	1.044	1.032	1.1	176	0.00	5.50
34	T	2,6-Dichlorophenol	0.297	0.294	1.0	174	0.00	5.57
35	T	4-Chloroaniline	0.433	0.339	21.7#	139	0.00	5.55
36	C	Hexachlorobutadiene	0.208	0.200	3.8	170	0.00	5.65

Initial Calibration Verification

Job Number: MC23630 **Sample:** MSR1160-ICV1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31849.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

37	C	4-Chloro-3-methylphenol	0.290	0.291	-0.3	176	0.00	5.96
38	T	2-Methylnaphthalene	0.732	0.693	5.3	166	0.00	6.09
39	T	1-Methylnaphthalene	0.711	0.685	3.7	173	0.00	6.18
40	T	1,2,4,5-Tetrachlorobenzen	0.387	0.362	6.5	170	0.00	6.27
41	I	Naphthalene-d8a	1.000	1.000	0.0	110	0.00	5.48
		----------	Amount	Calc.	%Drift	----------		
42		Caprolactam	50.000	47.864	4.3	104	-0.02	5.83
		----------	AvgRF	CCRF	%Dev	----------		
43	I	Acenaphthene-d10	1.000	1.000	0.0	187	0.00	7.02
44	T	Pentachloronitrobenzene	0.170	0.160	5.9	170	0.00	8.41
45	P	Hexachlorocyclopentadiene	0.392	0.189	51.8#	87	0.00	6.29
46	C	2,4,6-Trichlorophenol	0.371	0.368	0.8	180	0.00	6.35
47	T	2,4,5-Trichlorophenol	0.391	0.403	-3.1	186	0.00	6.39
48	S	2-Fluorobiphenyl	1.331	1.314	1.3	185	0.00	6.42
49	T	2-Chloronaphthalene	1.068	1.066	0.2	189	0.00	6.51
50	M	Acenaphthylene	1.737	1.712	1.4	182	0.00	6.89
51	T	Dimethylphthalate	1.221	1.175	3.8	178	0.00	6.81
52	T	2,4-Dinitrotoluene	0.368	0.387	-5.2	193	0.00	7.22
53	C	Acenaphthene	1.124	1.102	2.0	182	0.00	7.05
54	P	2,4-Dinitrophenol	0.191	0.191	0.0	204#	0.00	7.08
55	T	Dibenzofuran	1.592	1.492	6.3	175	0.00	7.20
56	M	2,6-Dinitrotoluene	0.278	0.275	1.1	180	0.00	6.87
57	P	4-Nitrophenol	0.243	0.230	5.3	172	0.00	7.13
58	T	2,3,4,6-Tetrachlorophenol	0.334	0.337	-0.9	182	0.00	7.35
59	T	Fluorene	1.280	1.293	-1.0	187	0.00	7.52
60	T	4-Chlorophenyl-phenylethe	0.625	0.623	0.3	187	0.00	7.51
61	T	Diethylphthalate	1.216	1.249	-2.7	190	0.00	7.45
62	T	2-nitroaniline	0.340	0.342	-0.6	183	0.00	6.62
63	T	3-nitroaniline	0.303	0.228	24.8#	142	0.00	7.00
64	T	4-nitroaniline	0.300	0.288	4.0	181	0.00	7.57
65		Acenaphthene-d10a	1.000	1.000	0.0	118	0.00	7.02
66		1,1'-Biphenyl	1.461	1.348	7.7	107	0.00	6.50
67	I	Phenanthrene-d10	1.000	1.000	0.0	192	0.00	8.46
		----------	Amount	Calc.	%Drift	----------		
68	T	4,6-Dinitro-2-methylpheno	50.000	52.042	-4.1	203	0.00	7.61
		----------	AvgRF	CCRF	%Dev	----------		
69	C	n-Nitrosodiphenylamine	0.522	0.502	3.8	182	0.00	7.63
70	T	1,2-Diphenylhydrazine	0.678	0.650	4.1	183	0.00	7.67
71	S	2,4,6-Tribromophenol	0.120	0.122	-1.7	190	0.00	7.78
72	T	4-Bromophenyl-phenylether	0.216	0.204	5.6	177	0.00	7.99
73	T	Hexachlorobenzene	0.244	0.247	-1.2	192	0.00	8.15
74	C	Pentachlorophenol	0.158	0.161	-1.9	194	0.00	8.32
75	T	Phenanthrene	1.081	1.072	0.8	188	0.00	8.48
76	T	Anthracene	1.109	1.070	3.5	182	0.00	8.53
77	T	Carbazole	0.988	1.009	-2.1	187	0.00	8.70
78	T	Di-n-butylphthalate	1.196	1.193	0.3	186	0.00	9.12
79	C	Fluoranthene	1.140	1.222	-7.2	200	0.00	9.78
80	I	Phenanthrene-d10a	1.000	1.000	0.0	116	0.00	8.46
81		Atrazine	0.196	0.209	-6.6	113	0.00	8.18
82	I	Chrysene-d12	1.000	1.000	0.0	195	0.00	11.45

Initial Calibration Verification

Job Number: MC23630 **Sample:** MSR1160-ICV1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31849.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

83	T	Benzidine	0.366	0.442	-20.8#	223#	0.00	9.92
84	M	Pyrene	1.143	1.117	2.3	187	0.00	10.04
85	S	Terphenyl-d14	0.856	0.854	0.2	195	0.00	10.22
86		3,3-Dimethylbenzidine		----------NA----------				
87	T	Butylbenzylphthalate	0.473	0.471	0.4	184	0.00	10.83
		----------	Amount	Calc.	%Drift	----------		
88	T	3,3'-Dichlorobenzidine	50.000	35.699	28.6#	141	0.00	11.42
		----------	AvgRF	CCRF	%Dev	----------		
89	T	Benzo[a]anthracene	1.034	1.100	-6.4	202#	0.00	11.44
90	T	Chrysene	1.028	1.016	1.2	193	0.00	11.48
		----------	Amount	Calc.	%Drift	----------		
91	T	bis(2-Ethylhexyl)phthalat	50.000	49.309	1.4	196	0.00	11.54
		----------	AvgRF	CCRF	%Dev	----------		
92	I	Perylene-d12	1.000	1.000	0.0	192	0.00	13.06
		----------	Amount	Calc.	%Drift	----------		
93	C	Di-n-octylphthalate	50.000	52.011	-4.0	211	0.00	12.23
		----------	AvgRF	CCRF	%Dev	----------		
94	T	Benzo[b]fluoranthene	1.146	1.167	-1.8	187	0.00	12.65
95	T	Benzo[k]fluoranthene	1.117	1.167	-4.5	200	0.00	12.68
96	C	Benzo[a]pyrene	1.010	0.965	4.5	176	0.00	12.99
97	T	Indeno[1,2,3-cd]pyrene	1.261	1.273	-1.0	186	0.00	14.33
98	T	Dibenz[a,h]anthracene	1.018	1.028	-1.0	186	0.00	14.34
99	T	Benzo[g,h,i]perylene	1.047	1.057	-1.0	186	0.00	14.68
100		Naphthalene-d8b	1.000	1.000	0.0	110	0.00	5.48
		----------	Amount	Calc.	%Drift	----------		
101		o-Toluic Acid		----------NA----------				
102		m-Toluic Acid		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
103		p-Toluic Acid		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
R31842.D R130628_8270+.m Mon Jul 08 17:16:37 2013

8.7.2

8

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSR1199-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32871.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\R130821\R32871.D Vial: 100
Acq On : 21 Aug 2013 7:48 am Operator: kristinr
Sample : CC1159-80, TCL11 Inst : MSR
Misc : OP34233,MSR1199,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\met...\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Fri Jul 12 11:59:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	-0.08	4.15
2		N-nitrosodimethylamine		----------NA----------				
3	T	Pyridine		----------NA----------				
4	T	Aniline		----------NA----------				
5	S	2-Fluorophenol		----------NA----------				
6	T	bis(2-Chloroethyl)ether		----------NA----------				
7	S	Phenol-d5		----------NA----------				
8	C	Phenol		----------NA----------				
9	M	2-Chlorophenol		----------NA----------				
10	T	1,3-Dichlorobenzene		----------NA----------				
11	C	1,4-Dichlorobenzene		----------NA----------				
12	T	1,2-Dichlorobenzene		----------NA----------				
13	T	Benzyl alcohol		----------NA----------				
14	T	bis(2-chloroisopropyl)eth		----------NA----------				
15	T	o-cresol		----------NA----------				
16	T	Acetophenone		----------NA----------				
17	T	Hexachloroethane		----------NA----------				
18	P	N-Nitroso-di-n-propylamin		----------NA----------				
19	T	m+p-cresols		----------NA----------				
20		4-methylphenol		----------NA----------				
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	73	-0.08	4.15
22		Benzaldehyde	0.987	1.024	-3.7	72	-0.09	3.82
23	I	Naphthalene-d8	1.000	1.000	0.0	97	-0.08	5.21
24	S	Nitrobenzene-d5		----------NA----------				
25	T	Nitrobenzene		----------NA----------				
26	T	Isophorone		----------NA----------				
27	C	2-Nitrophenol		----------NA----------				
28	T	2,4-Dimethylphenol		----------NA----------				
29	T	bis(2-Chloroethoxy)methan		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
30	T	Benzoic acid		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
31	C	2,4-Dichlorophenol		----------NA----------				
32	M	1,2,4-Trichlorobenzene		----------NA----------				
33	T	Naphthalene		----------NA----------				
34	T	2,6-Dichlorophenol		----------NA----------				
35	T	4-Chloroaniline		----------NA----------				
36	C	Hexachlorobutadiene		----------NA----------				

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSR1199-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32871.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

37	C	4-Chloro-3-methylphenol		----------NA----------				
38	T	2-Methylnaphthalene		----------NA----------				
39	T	1-Methylnaphthalene		----------NA----------				
40	T	1,2,4,5-Tetrachlorobenzen		----------NA----------				
41	I	Naphthalene-d8a	1.000	1.000	0.0	71	-0.08	5.21
		---------- Amount	Calc.	%Drift	----------			
42		Caprolactam	80.000	81.202	-1.5	73	-0.09	5.55
		---------- AvgRF	CCRF	%Dev	----------			
43	I	Acenaphthene-d10	1.000	1.000	0.0	95	-0.08	6.74
44	T	Pentachloronitrobenzene		----------NA----------				
45	P	Hexachlorocyclopentadiene		----------NA----------				
46	C	2,4,6-Trichlorophenol		----------NA----------				
47	T	2,4,5-Trichlorophenol		----------NA----------				
48	S	2-Fluorobiphenyl		----------NA----------				
49	T	2-Chloronaphthalene		----------NA----------				
50	M	Acenaphthylene		----------NA----------				
51	T	Dimethylphthalate		----------NA----------				
52	T	2,4-Dinitrotoluene		----------NA----------				
53	C	Acenaphthene		----------NA----------				
54	P	2,4-Dinitrophenol		----------NA----------				
55	T	Dibenzofuran		----------NA----------				
56	M	2,6-Dinitrotoluene		----------NA----------				
57	P	4-Nitrophenol		----------NA----------				
58	T	2,3,4,6-Tetrachlorophenol		----------NA----------				
59	T	Fluorene		----------NA----------				
60	T	4-Chlorophenyl-phenylethe		----------NA----------				
61	T	Diethylphthalate		----------NA----------				
62	T	2-nitroaniline		----------NA----------				
63	T	3-nitroaniline		----------NA----------				
64	T	4-nitroaniline		----------NA----------				
65		Acenaphthene-d10a	1.000	1.000	0.0	68	-0.08	6.74
66		1,1'-Biphenyl	1.461	1.417	3.0	66	-0.09	6.22
67	I	Phenanthrene-d10	1.000	1.000	0.0	93	-0.09	8.13
		---------- Amount	Calc.	%Drift	----------			
68	T	4,6-Dinitro-2-methylpheno		----------NA----------				
		---------- AvgRF	CCRF	%Dev	----------			
69	C	n-Nitrosodiphenylamine		----------NA----------				
70	T	1,2-Diphenylhydrazine		----------NA----------				
71	S	2,4,6-Tribromophenol		----------NA----------				
72	T	4-Bromophenyl-phenylether		----------NA----------				
73	T	Hexachlorobenzene		----------NA----------				
74	C	Pentachlorophenol		----------NA----------				
75	T	Phenanthrene		----------NA----------				
76	T	Anthracene		----------NA----------				
77	T	Carbazole		----------NA----------				
78	T	Di-n-butylphthalate		----------NA----------				
79	C	Fluoranthene		----------NA----------				
80	I	Phenanthrene-d10a	1.000	1.000	0.0	65	-0.09	8.13
81		Atrazine	0.196	0.215	-9.7	66	-0.07	7.89
82	I	Chrysene-d12	1.000	1.000	0.0	97	-0.10	11.10

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSR1199-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32871.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

83	T	Benzidine			NA			
84	M	Pyrene			NA			
85	S	Terphenyl-d14			NA			
86		3,3-Dimethylbenzidine			NA			
87	T	Butylbenzylphthalate			NA			
			Amount	Calc.	%Drift			
88	T	3,3'-Dichlorobenzidine			NA			
			AvgRF	CCRF	%Dev			
89	T	Benzo[a]anthracene			NA			
90	T	Chrysene			NA			
			Amount	Calc.	%Drift			
91	T	bis(2-Ethylhexyl)phthalat			NA			
			AvgRF	CCRF	%Dev			
92	I	Perylene-d12	1.000	1.000	0.0	92	-0.10	12.69
			Amount	Calc.	%Drift			
93	C	Di-n-octylphthalate			NA			
			AvgRF	CCRF	%Dev			
94	T	Benzo[b]fluoranthene			NA			
95	T	Benzo[k]fluoranthene			NA			
96	C	Benzo[a]pyrene			NA			
97	T	Indeno[1,2,3-cd]pyrene			NA			
98	T	Dibenz[a,h]anthracene			NA			
99	T	Benzo[g,h,i]perylene			NA			
100		Naphthalene-d8b	1.000	1.000	0.0	71	-0.08	5.21
			Amount	Calc.	%Drift			
101		o-Toluic Acid			NA			
102		m-Toluic Acid			NA			
			AvgRF	CCRF	%Dev			
103		p-Toluic Acid			NA			

(#) = Out of Range SPCC's out = 4 CCC's out = 13
R31843.D R130628_8270+.m Mon Aug 26 10:38:58 2013

8.7.3

8

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSR1199-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32872.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\R130821\R32872.D Vial: 100
Acq On : 21 Aug 2013 8:10 am Operator: kristinr
Sample : CC1159-50 Inst : MSR
Misc : OP34233,MSR1199,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\met...\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Fri Jul 12 11:59:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	-0.08	4.15
2		N-nitrosodimethylamine	0.786	0.712	9.4	76	-0.15	2.29
3	T	Pyridine	1.430	1.302	9.0	76	-0.15	2.31
4	T	Aniline	1.822	1.948	-6.9	88	-0.08	3.93
5	S	2-Fluorophenol	1.213	1.141	5.9	78	-0.08	3.23
6	T	bis(2-Chloroethyl)ether	0.865	0.866	-0.1	83	-0.08	3.96
7	S	Phenol-d5	1.535	1.390	9.4	77	-0.05	3.91
8	C	Phenol	1.528	1.686	-10.3	92	-0.05	3.92
9	M	2-Chlorophenol	1.287	1.322	-2.7	84	-0.07	4.02
10	T	1,3-Dichlorobenzene	1.456	1.439	1.2	83	-0.07	4.13
11	C	1,4-Dichlorobenzene	1.515	1.474	2.7	80	-0.08	4.16
12	T	1,2-Dichlorobenzene	1.357	1.375	-1.3	82	-0.07	4.32
13	T	Benzyl alcohol	0.828	0.811	2.1	79	-0.06	4.28
14	T	bis(2-chloroisopropyl)eth	1.477	1.614	-9.3	90	-0.06	4.39
15	T	o-cresol	1.107	1.121	-1.3	81	-0.04	4.39
16	T	Acetophenone	1.828	1.645	10.0	73	-0.06	4.49
17	T	Hexachloroethane	0.565	0.539	4.6	79	-0.06	4.57
18	P	N-Nitroso-di-n-propylamin	0.859	0.760	11.5	74	-0.06	4.51
19	T	m+p-cresols	1.213	1.177	3.0	78	-0.03	4.51
20		4-methylphenol	1.213	1.177	3.0	78	-0.03	4.51
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	50	-0.08	4.15
22		Benzaldehyde	----------NA----------					
23	I	Naphthalene-d8	1.000	1.000	0.0	80	-0.08	5.21
24	S	Nitrobenzene-d5	0.382	0.357	6.5	76	-0.09	4.62
25	T	Nitrobenzene	0.386	0.346	10.4	73	-0.10	4.63
26	T	Isophorone	0.643	0.633	1.6	78	-0.09	4.83
27	C	2-Nitrophenol	0.184	0.190	-3.3	81	-0.08	4.91
28	T	2,4-Dimethylphenol	0.341	0.354	-3.8	81	-0.07	4.93
29	T	bis(2-Chloroethoxy)methan	0.388	0.388	0.0	83	-0.07	5.01
		----------	Amount	Calc.	%Drift	----------		
30	T	Benzoic acid	50.000	45.365	9.3	77	-0.04	5.03
		----------	AvgRF	CCRF	%Dev	----------		
31	C	2,4-Dichlorophenol	0.300	0.320	-6.7	82	-0.07	5.11
32	M	1,2,4-Trichlorobenzene	0.334	0.334	0.0	82	-0.08	5.17
33	T	Naphthalene	1.044	1.033	1.1	79	-0.08	5.22
34	T	2,6-Dichlorophenol	0.297	0.316	-6.4	84	-0.06	5.30
35	T	4-Chloroaniline	0.433	0.437	-0.9	80	-0.07	5.29
36	C	Hexachlorobutadiene	0.208	0.204	1.9	78	-0.07	5.38

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSR1199-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32872.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

37	C	4-Chloro-3-methylphenol	0.290	0.295	-1.7	80	-0.03	5.71
38	T	2-Methylnaphthalene	0.732	0.705	3.7	76	-0.06	5.82
39	T	1-Methylnaphthalene	0.711	0.653	8.2	74	-0.05	5.91
40	T	1,2,4,5-Tetrachlorobenzen	0.387	0.369	4.7	78	-0.06	5.99
41	I	Naphthalene-d8a	1.000	1.000	0.0	49#	-0.08	5.21
		----------	Amount	Calc.	%Drift	----------		
42		Caprolactam		----------	NA	----------		
		----------	AvgRF	CCRF	%Dev	----------		
43	I	Acenaphthene-d10	1.000	1.000	0.0	80	-0.08	6.73
44	T	Pentachloronitrobenzene	0.170	0.152	10.6	69	-0.02	8.09
45	P	Hexachlorocyclopentadiene	0.392	0.304	22.4#	60	-0.08	6.01
46	C	2,4,6-Trichlorophenol	0.371	0.392	-5.7	82	-0.08	6.09
47	T	2,4,5-Trichlorophenol	0.391	0.430	-10.0	85	-0.08	6.12
48	S	2-Fluorobiphenyl	1.331	1.309	1.7	79	-0.08	6.15
49	T	2-Chloronaphthalene	1.068	1.091	-2.2	82	-0.08	6.23
50	M	Acenaphthylene	1.737	1.690	2.7	77	-0.08	6.61
51	T	Dimethylphthalate	1.221	1.230	-0.7	80	-0.08	6.53
52	T	2,4-Dinitrotoluene	0.368	0.352	4.3	75	-0.08	6.94
53	C	Acenaphthene	1.124	1.109	1.3	78	-0.08	6.76
54	P	2,4-Dinitrophenol	0.191	0.146	23.6#	66	-0.08	6.81
55	T	Dibenzofuran	1.592	1.610	-1.1	81	-0.08	6.91
56	M	2,6-Dinitrotoluene	0.278	0.264	5.0	74	-0.08	6.59
57	P	4-Nitrophenol	0.243	0.218	10.3	69	-0.06	6.89
58	T	2,3,4,6-Tetrachlorophenol	0.334	0.322	3.6	74	-0.08	7.06
59	T	Fluorene	1.280	1.258	1.7	78	-0.09	7.22
60	T	4-Chlorophenyl-phenylethe	0.625	0.657	-5.1	84	-0.08	7.22
61	T	Diethylphthalate	1.216	1.273	-4.7	83	-0.08	7.16
62	T	2-nitroaniline	0.340	0.353	-3.8	80	-0.08	6.35
63	T	3-nitroaniline	0.303	0.298	1.7	79	-0.08	6.72
64	T	4-nitroaniline	0.300	0.305	-1.7	82	-0.08	7.28
65		Acenaphthene-d10a	1.000	1.000	0.0	51	-0.08	6.73
66		1,1'-Biphenyl		----------	NA	----------		
67	I	Phenanthrene-d10	1.000	1.000	0.0	78	-0.09	8.13
		----------	Amount	Calc.	%Drift	----------		
68	T	4,6-Dinitro-2-methylpheno	50.000	46.418	7.2	73	-0.08	7.32
		----------	AvgRF	CCRF	%Dev	----------		
69	C	n-Nitrosodiphenylamine	0.522	0.541	-3.6	79	-0.09	7.33
70	T	1,2-Diphenylhydrazine	0.678	0.692	-2.1	79	-0.09	7.37
71	S	2,4,6-Tribromophenol	0.120	0.114	5.0	71	-0.09	7.47
72	T	4-Bromophenyl-phenylether	0.216	0.220	-1.9	77	-0.09	7.68
73	T	Hexachlorobenzene	0.244	0.237	2.9	75	-0.09	7.83
74	C	Pentachlorophenol	0.158	0.134	15.2	66	-0.08	8.02
75	T	Phenanthrene	1.081	1.115	-3.1	79	-0.10	8.16
76	T	Anthracene	1.109	1.186	-6.9	81	-0.09	8.21
77	T	Carbazole	0.988	1.098	-11.1	82	-0.08	8.38
78	T	Di-n-butylphthalate	1.196	1.390	-16.2	88	-0.07	8.80
79	C	Fluoranthene	1.140	1.263	-10.8	83	-0.08	9.44
80	I	Phenanthrene-d10a	1.000	1.000	0.0	47#	-0.09	8.13
81		Atrazine		----------	NA	----------		
82	I	Chrysene-d12	1.000	1.000	0.0	80	-0.10	11.10

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSR1199-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32872.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

83	T	Benzidine	0.366	0.510	-39.3#	106	-0.11	9.59
84	M	Pyrene	1.143	1.146	-0.3	79	-0.13	9.69
85	S	Terphenyl-d14	0.856	0.806	5.8	76	-0.12	9.88
86		3,3-Dimethylbenzidine	0.471	0.554	-17.6	92	-0.10	10.45
87	T	Butylbenzylphthalate	0.473	0.486	-2.7	78	-0.10	10.49
			Amount	Calc.	%Drift			
88	T	3,3'-Dichlorobenzidine	50.000	49.768	0.5	82	-0.09	11.08
			AvgRF	CCRF	%Dev			
89	T	Benzo[a]anthracene	1.034	1.057	-2.2	80	-0.10	11.08
90	T	Chrysene	1.028	1.055	-2.6	83	-0.10	11.13
			Amount	Calc.	%Drift			
91	T	bis(2-Ethylhexyl)phthalat	50.000	48.872	2.3	80	-0.08	11.21
			AvgRF	CCRF	%Dev			
92	I	Perylene-d12	1.000	1.000	0.0	77	-0.10	12.69
			Amount	Calc.	%Drift			
93	C	Di-n-octylphthalate	50.000	55.130	-10.3	91	-0.09	11.90
			AvgRF	CCRF	%Dev			
94	T	Benzo[b]fluoranthene	1.146	1.155	-0.8	75	-0.10	12.29
95	T	Benzo[k]fluoranthene	1.117	1.138	-1.9	79	-0.10	12.32
96	C	Benzo[a]pyrene	1.010	1.080	-6.9	79	-0.10	12.63
97	T	Indeno[1,2,3-cd]pyrene	1.261	1.272	-0.9	75	-0.21	13.83
98	T	Dibenz[a,h]anthracene	1.018	1.019	-0.1	75	-0.21	13.84
99	T	Benzo[g,h,i]perylene	1.047	1.065	-1.7	76	-0.25	14.14
100		Naphthalene-d8b	1.000	1.000	0.0	49#	-0.08	5.21
			Amount	Calc.	%Drift			
101		o-Toluic Acid		----------NA----------				
102		m-Toluic Acid		----------NA----------				
			AvgRF	CCRF	%Dev			
103		p-Toluic Acid		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
R31842.D R130628_8270+.m Mon Aug 26 10:39:32 2013

8.7.4

8

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSR1200-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32890.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\R130821\R32890.D Vial: 100
Acq On : 21 Aug 2013 4:11 pm Operator: kristinr
Sample : CC1159-80, TCL11 Inst : MSR
Misc : OP34233,MSR1200,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\met...\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Fri Jul 12 11:59:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	-0.08	4.15
2		N-nitrosodimethylamine		-----	NA	-----		
3	T	Pyridine		-----	NA	-----		
4	T	Aniline		-----	NA	-----		
5	S	2-Fluorophenol		-----	NA	-----		
6	T	bis(2-Chloroethyl)ether		-----	NA	-----		
7	S	Phenol-d5		-----	NA	-----		
8	C	Phenol		-----	NA	-----		
9	M	2-Chlorophenol		-----	NA	-----		
10	T	1,3-Dichlorobenzene		-----	NA	-----		
11	C	1,4-Dichlorobenzene		-----	NA	-----		
12	T	1,2-Dichlorobenzene		-----	NA	-----		
13	T	Benzyl alcohol		-----	NA	-----		
14	T	bis(2-chloroisopropyl)eth		-----	NA	-----		
15	T	o-cresol		-----	NA	-----		
16	T	Acetophenone		-----	NA	-----		
17	T	Hexachloroethane		-----	NA	-----		
18	P	N-Nitroso-di-n-propylamin		-----	NA	-----		
19	T	m+p-cresols		-----	NA	-----		
20		4-methylphenol		-----	NA	-----		
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	67	-0.08	4.15
22		Benzaldehyde	0.987	1.034	-4.8	68	-0.09	3.82
23	I	Naphthalene-d8	1.000	1.000	0.0	95	-0.08	5.21
24	S	Nitrobenzene-d5		-----	NA	-----		
25	T	Nitrobenzene		-----	NA	-----		
26	T	Isophorone		-----	NA	-----		
27	C	2-Nitrophenol		-----	NA	-----		
28	T	2,4-Dimethylphenol		-----	NA	-----		
29	T	bis(2-Chloroethoxy)methan		-----	NA	-----		
		-----	Amount	Calc.	%Drift	-----		
30	T	Benzoic acid		-----	NA	-----		
		-----	AvgRF	CCRF	%Dev	-----		
31	C	2,4-Dichlorophenol		-----	NA	-----		
32	M	1,2,4-Trichlorobenzene		-----	NA	-----		
33	T	Naphthalene		-----	NA	-----		
34	T	2,6-Dichlorophenol		-----	NA	-----		
35	T	4-Chloroaniline		-----	NA	-----		
36	C	Hexachlorobutadiene		-----	NA	-----		

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSR1200-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32890.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

37	C	4-Chloro-3-methylphenol		----------NA----------				
38	T	2-Methylnaphthalene		----------NA----------				
39	T	1-Methylnaphthalene		----------NA----------				
40	T	1,2,4,5-Tetrachlorobenzen		----------NA----------				
41	I	Naphthalene-d8a	1.000	1.000	0.0	69	-0.08	5.21
		----------	Amount	Calc.	%Drift		----------	
42		Caprolactam	80.000	77.404	3.2	68	-0.10	5.54
		----------	AvgRF	CCRF	%Dev		----------	
43	I	Acenaphthene-d10	1.000	1.000	0.0	92	-0.08	6.73
44	T	Pentachloronitrobenzene		----------NA----------				
45	P	Hexachlorocyclopentadiene		----------NA----------				
46	C	2,4,6-Trichlorophenol		----------NA----------				
47	T	2,4,5-Trichlorophenol		----------NA----------				
48	S	2-Fluorobiphenyl		----------NA----------				
49	T	2-Chloronaphthalene		----------NA----------				
50	M	Acenaphthylene		----------NA----------				
51	T	Dimethylphthalate		----------NA----------				
52	T	2,4-Dinitrotoluene		----------NA----------				
53	C	Acenaphthene		----------NA----------				
54	P	2,4-Dinitrophenol		----------NA----------				
55	T	Dibenzofuran		----------NA----------				
56	M	2,6-Dinitrotoluene		----------NA----------				
57	P	4-Nitrophenol		----------NA----------				
58	T	2,3,4,6-Tetrachlorophenol		----------NA----------				
59	T	Fluorene		----------NA----------				
60	T	4-Chlorophenyl-phenylethe		----------NA----------				
61	T	Diethylphthalate		----------NA----------				
62	T	2-nitroaniline		----------NA----------				
63	T	3-nitroaniline		----------NA----------				
64	T	4-nitroaniline		----------NA----------				
65		Acenaphthene-d10a	1.000	1.000	0.0	65	-0.08	6.73
66		1,1'-Biphenyl	1.461	1.413	3.3	63	-0.09	6.22
67	I	Phenanthrene-d10	1.000	1.000	0.0	92	-0.09	8.13
		----------	Amount	Calc.	%Drift		----------	
68	T	4,6-Dinitro-2-methylpheno		----------NA----------				
		----------	AvgRF	CCRF	%Dev		----------	
69	C	n-Nitrosodiphenylamine		----------NA----------				
70	T	1,2-Diphenylhydrazine		----------NA----------				
71	S	2,4,6-Tribromophenol		----------NA----------				
72	T	4-Bromophenyl-phenylether		----------NA----------				
73	T	Hexachlorobenzene		----------NA----------				
74	C	Pentachlorophenol		----------NA----------				
75	T	Phenanthrene		----------NA----------				
76	T	Anthracene		----------NA----------				
77	T	Carbazole		----------NA----------				
78	T	Di-n-butylphthalate		----------NA----------				
79	C	Fluoranthene		----------NA----------				
80	I	Phenanthrene-d10a	1.000	1.000	0.0	65	-0.09	8.13
81		Atrazine	0.196	0.213	-8.7	65	-0.08	7.88
82	I	Chrysene-d12	1.000	1.000	0.0	93	-0.10	11.10

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSR1200-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32890.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

83	T	Benzidine		----------NA----------				
84	M	Pyrene		----------NA----------				
85	S	Terphenyl-d14		----------NA----------				
86		3,3-Dimethylbenzidine		----------NA----------				
87	T	Butylbenzylphthalate		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
88	T	3,3'-Dichlorobenzidine		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
89	T	Benzo[a]anthracene		----------NA----------				
90	T	Chrysene		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
91	T	bis(2-Ethylhexyl)phthalat		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
92	I	Perylene-d12	1.000	1.000	0.0	88	-0.11	12.68
		----------	Amount	Calc.	%Drift	----------		
93	C	Di-n-octylphthalate		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
94	T	Benzo[b]fluoranthene		----------NA----------				
95	T	Benzo[k]fluoranthene		----------NA----------				
96	C	Benzo[a]pyrene		----------NA----------				
97	T	Indeno[1,2,3-cd]pyrene		----------NA----------				
98	T	Dibenz[a,h]anthracene		----------NA----------				
99	T	Benzo[g,h,i]perylene		----------NA----------				
100		Naphthalene-d8b	1.000	1.000	0.0	69	-0.08	5.21
		----------	Amount	Calc.	%Drift	----------		
101		o-Toluic Acid		----------NA----------				
102		m-Toluic Acid		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
103		p-Toluic Acid		----------NA----------				

(#) = Out of Range SPCC's out = 4 CCC's out = 13
R31843.D R130628_8270+.m Mon Aug 26 11:44:04 2013

8.7.5

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Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSR1200-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32891.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\R130821\R32891.D Vial: 100
Acq On : 21 Aug 2013 4:30 pm Operator: kristinr
Sample : CC1159-50 Inst : MSR
Misc : OP34233,MSR1200,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\met...\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Fri Jul 12 11:59:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	-0.08	4.15
2		N-nitrosodimethylamine	0.786	0.744	5.3	89	-0.15	2.29
3	T	Pyridine	1.430	1.337	6.5	88	-0.15	2.31
4	T	Aniline	1.822	1.925	-5.7	98	-0.08	3.93
5	S	2-Fluorophenol	1.213	1.160	4.4	89	-0.09	3.23
6	T	bis(2-Chloroethyl)ether	0.865	0.867	-0.2	94	-0.08	3.96
7	S	Phenol-d5	1.535	1.382	10.0	87	-0.06	3.91
8	C	Phenol	1.528	1.639	-7.3	101	-0.05	3.92
9	M	2-Chlorophenol	1.287	1.301	-1.1	94	-0.07	4.02
10	T	1,3-Dichlorobenzene	1.456	1.432	1.6	93	-0.07	4.13
11	C	1,4-Dichlorobenzene	1.515	1.477	2.5	91	-0.08	4.16
12	T	1,2-Dichlorobenzene	1.357	1.397	-2.9	94	-0.07	4.32
13	T	Benzyl alcohol	0.828	0.655	20.9#	72	-0.06	4.28
14	T	bis(2-chloroisopropyl)eth	1.477	1.596	-8.1	100	-0.06	4.39
15	T	o-cresol	1.107	1.157	-4.5	94	-0.05	4.38
16	T	Acetophenone	1.828	1.671	8.6	84	-0.06	4.49
17	T	Hexachloroethane	0.565	0.542	4.1	90	-0.07	4.56
18	P	N-Nitroso-di-n-propylamin	0.859	0.772	10.1	85	-0.06	4.51
19	T	m+p-cresols	1.213	1.187	2.1	89	-0.04	4.50
20		4-methylphenol	1.213	1.187	2.1	89	-0.04	4.50
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	57	-0.08	4.15
22		Benzaldehyde	----------NA----------					
23	I	Naphthalene-d8	1.000	1.000	0.0	94	-0.08	5.21
24	S	Nitrobenzene-d5	0.382	0.348	8.9	87	-0.09	4.62
25	T	Nitrobenzene	0.386	0.337	12.7	84	-0.10	4.63
26	T	Isophorone	0.643	0.600	6.7	87	-0.09	4.82
27	C	2-Nitrophenol	0.184	0.190	-3.3	95	-0.08	4.91
28	T	2,4-Dimethylphenol	0.341	0.338	0.9	91	-0.07	4.93
29	T	bis(2-Chloroethoxy)methan	0.388	0.365	5.9	92	-0.08	5.01
		----------	Amount	Calc.	%Drift	----------		
30	T	Benzoic acid	50.000	43.352	13.3	86	-0.06	5.02
		----------	AvgRF	CCRF	%Dev	----------		
31	C	2,4-Dichlorophenol	0.300	0.309	-3.0	94	-0.07	5.11
32	M	1,2,4-Trichlorobenzene	0.334	0.329	1.5	95	-0.08	5.17
33	T	Naphthalene	1.044	0.983	5.8	89	-0.08	5.22
34	T	2,6-Dichlorophenol	0.297	0.302	-1.7	94	-0.07	5.29
35	T	4-Chloroaniline	0.433	0.424	2.1	92	-0.07	5.29
36	C	Hexachlorobutadiene	0.208	0.195	6.2	88	-0.07	5.38

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSR1200-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32891.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

37	C	4-Chloro-3-methylphenol	0.290	0.294	-1.4	94	-0.04	5.71
38	T	2-Methylnaphthalene	0.732	0.674	7.9	85	-0.06	5.81
39	T	1-Methylnaphthalene	0.711	0.628	11.7	84	-0.06	5.91
40	T	1,2,4,5-Tetrachlorobenzen	0.387	0.365	5.7	90	-0.06	5.99
41	I	Naphthalene-d8a	1.000	1.000	0.0	58	-0.08	5.21
		----------	Amount	Calc.	%Drift		----------	
42		Caprolactam		----------NA----------				
		----------	AvgRF	CCRF	%Dev		----------	
43	I	Acenaphthene-d10	1.000	1.000	0.0	88	-0.08	6.73
44	T	Pentachloronitrobenzene	0.170	0.171	-0.6	85	-0.03	8.08
45	P	Hexachlorocyclopentadiene	0.392	0.294	25.0#	64	-0.08	6.01
46	C	2,4,6-Trichlorophenol	0.371	0.406	-9.4	93	-0.09	6.08
47	T	2,4,5-Trichlorophenol	0.391	0.404	-3.3	88	-0.08	6.12
48	S	2-Fluorobiphenyl	1.331	1.342	-0.8	89	-0.08	6.15
49	T	2-Chloronaphthalene	1.068	1.102	-3.2	92	-0.09	6.23
50	M	Acenaphthylene	1.737	1.767	-1.7	88	-0.09	6.60
51	T	Dimethylphthalate	1.221	1.257	-2.9	90	-0.08	6.53
52	T	2,4-Dinitrotoluene	0.368	0.389	-5.7	91	-0.09	6.93
53	C	Acenaphthene	1.124	1.165	-3.6	90	-0.08	6.76
54	P	2,4-Dinitrophenol	0.191	0.137	28.3#	69	-0.08	6.81
55	T	Dibenzofuran	1.592	1.715	-7.7	95	-0.09	6.91
56	M	2,6-Dinitrotoluene	0.278	0.292	-5.0	90	-0.08	6.59
57	P	4-Nitrophenol	0.243	0.223	8.2	78	-0.07	6.88
58	T	2,3,4,6-Tetrachlorophenol	0.334	0.342	-2.4	86	-0.08	7.06
59	T	Fluorene	1.280	1.299	-1.5	88	-0.09	7.22
60	T	4-Chlorophenyl-phenylethe	0.625	0.693	-10.9	98	-0.08	7.22
61	T	Diethylphthalate	1.216	1.292	-6.3	92	-0.08	7.16
62	T	2-nitroaniline	0.340	0.371	-9.1	93	-0.08	6.35
63	T	3-nitroaniline	0.303	0.320	-5.6	94	-0.08	6.71
64	T	4-nitroaniline	0.300	0.319	-6.3	94	-0.09	7.28
65		Acenaphthene-d10a	1.000	1.000	0.0	56	-0.08	6.73
66		1,1'-Biphenyl		----------NA----------				
67	I	Phenanthrene-d10	1.000	1.000	0.0	90	-0.10	8.13
		----------	Amount	Calc.	%Drift		----------	
68	T	4,6-Dinitro-2-methylpheno	50.000	45.789	8.4	83	-0.09	7.31
		----------	AvgRF	CCRF	%Dev		----------	
69	C	n-Nitrosodiphenylamine	0.522	0.535	-2.5	91	-0.09	7.33
70	T	1,2-Diphenylhydrazine	0.678	0.668	1.5	88	-0.09	7.36
71	S	2,4,6-Tribromophenol	0.120	0.115	4.2	83	-0.09	7.47
72	T	4-Bromophenyl-phenylether	0.216	0.222	-2.8	90	-0.09	7.68
73	T	Hexachlorobenzene	0.244	0.238	2.5	87	-0.10	7.83
74	C	Pentachlorophenol	0.158	0.142	10.1	80	-0.09	8.01
75	T	Phenanthrene	1.081	1.153	-6.7	95	-0.10	8.15
76	T	Anthracene	1.109	1.162	-4.8	92	-0.09	8.20
77	T	Carbazole	0.988	1.064	-7.7	92	-0.09	8.37
78	T	Di-n-butylphthalate	1.196	1.313	-9.8	96	-0.07	8.80
79	C	Fluoranthene	1.140	1.247	-9.4	95	-0.08	9.43
80	I	Phenanthrene-d10a	1.000	1.000	0.0	54	-0.10	8.13
81		Atrazine		----------NA----------				
82	I	Chrysene-d12	1.000	1.000	0.0	93	-0.11	11.09

8.7.6

8

Continuing Calibration Summary

Job Number: MC23630 **Sample:** MSR1200-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R32891.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

83	T	Benzidine	0.366	0.535	-46.2#	129	-0.12	9.59
84	M	Pyrene	1.143	1.141	0.2	92	-0.13	9.69
85	S	Terphenyl-d14	0.856	0.801	6.4	87	-0.12	9.88
86		3,3-Dimethylbenzidine	0.471	0.583	-23.8#	112	-0.10	10.45
87	T	Butylbenzylphthalate	0.473	0.488	-3.2	91	-0.10	10.49
		----------	Amount	Calc.	%Drift	----------		
88	T	3,3'-Dichlorobenzidine	50.000	49.224	1.6	94	-0.10	11.07
		----------	AvgRF	CCRF	%Dev	----------		
89	T	Benzo[a]anthracene	1.034	1.025	0.9	90	-0.10	11.08
90	T	Chrysene	1.028	1.035	-0.7	94	-0.11	11.12
		----------	Amount	Calc.	%Drift	----------		
91	T	bis(2-Ethylhexyl)phthalat	50.000	47.752	4.5	91	-0.08	11.20
		----------	AvgRF	CCRF	%Dev	----------		
92	I	Perylene-d12	1.000	1.000	0.0	89	-0.11	12.68
		----------	Amount	Calc.	%Drift	----------		
93	C	Di-n-octylphthalate	50.000	54.015	-8.0	102	-0.09	11.90
		----------	AvgRF	CCRF	%Dev	----------		
94	T	Benzo[b]fluoranthene	1.146	1.119	2.4	83	-0.11	12.29
95	T	Benzo[k]fluoranthene	1.117	1.161	-3.9	92	-0.10	12.32
96	C	Benzo[a]pyrene	1.010	1.095	-8.4	92	-0.11	12.62
97	T	Indeno[1,2,3-cd]pyrene	1.261	1.260	0.1	86	-0.22	13.82
98	T	Dibenz[a,h]anthracene	1.018	1.048	-2.9	88	-0.22	13.83
99	T	Benzo[g,h,i]perylene	1.047	1.069	-2.1	87	-0.25	14.13
100		Naphthalene-d8b	1.000	1.000	0.0	58	-0.08	5.21
		----------	Amount	Calc.	%Drift	----------		
101		o-Toluic Acid		----------NA----------				
102		m-Toluic Acid		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
103		p-Toluic Acid		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
R31842.D R130628_8270+.m Tue Aug 27 09:57:50 2013

8.7.6

8

New England ACCUTEST LABORATORIES

GC/MS Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 08/27/13 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32901.D
Acq On : 21 Aug 2013 8:17 pm
Operator : kristinr
Sample : MC23630-1
Misc : OP34472,MSR1200,20.12,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 27 10:16:06 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

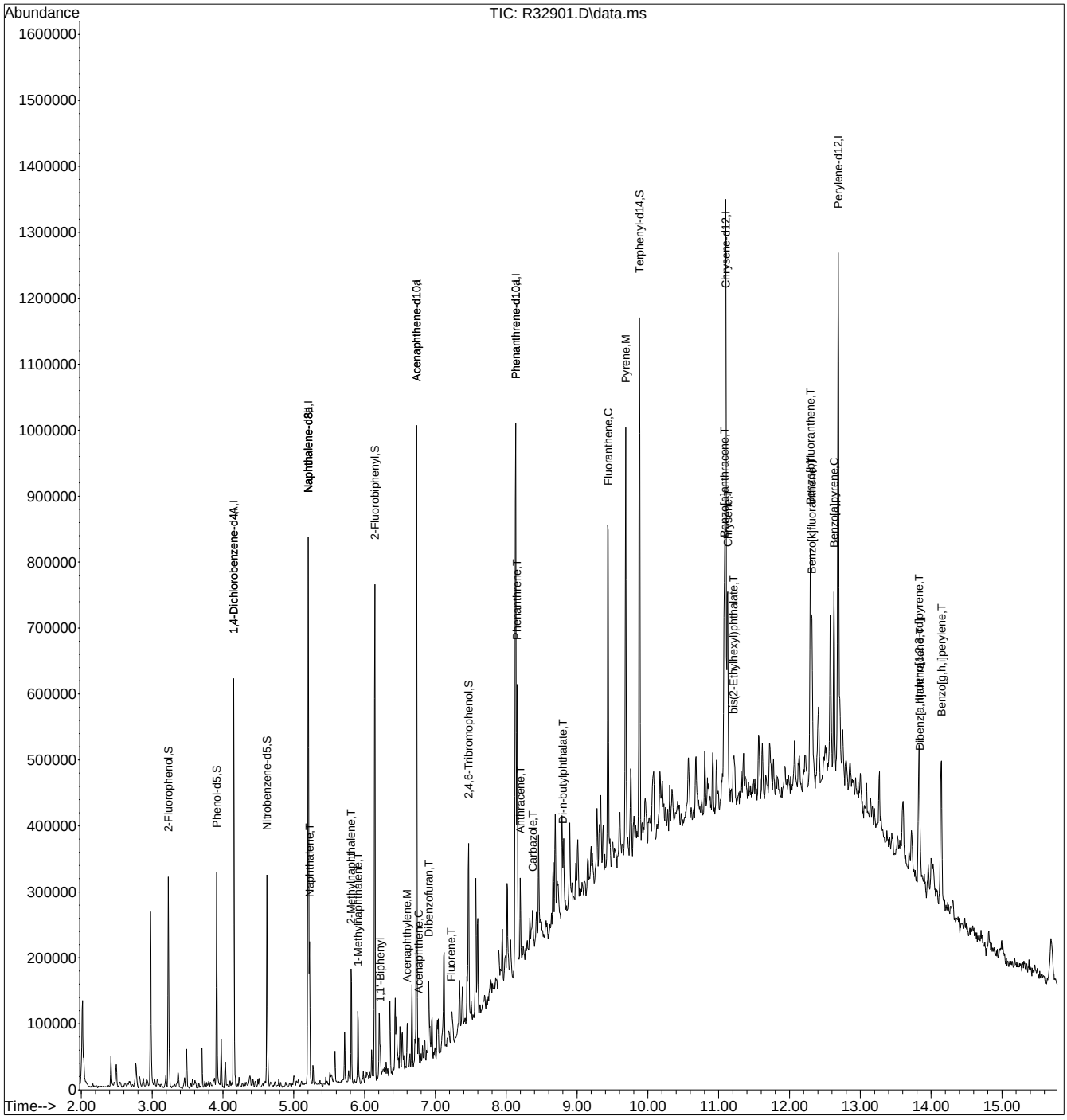
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	76382	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	76382	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	290965	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	290965	40.00	ppm	-0.08
43) Acenaphthene-d10	6.734	164	177865	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.734	164	177865	40.00	ppm	-0.08
67) Phenanthrene-d10	8.134	188	310358	40.00	ppm	-0.09
80) Phenanthrene-d10a	8.134	188	310358	40.00	ppm	-0.09
82) Chrysene-d12	11.099	240	335104	40.00	ppm	-0.10
92) Perylene-d12	12.687	264	310580	40.00	ppm	-0.10
100) Naphthalene-d8b	5.205	136	291101	40.00	ug/mL	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.229	112	70962	30.65	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 30.65%			
7) Phenol-d5	3.911	99	91862	31.33	ppm	-0.05
Spiked Amount 100.000	Range 30 - 130		Recovery = 31.33%			
24) Nitrobenzene-d5	4.623	82	75857	27.28	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 54.56%			
48) 2-Fluorobiphenyl	6.146	172	202802	34.28	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 68.56%			
71) 2,4,6-Tribromophenol	7.470	330	29386	31.60	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 31.60%			
85) Terphenyl-d14	9.881	244	263505	36.73	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 73.46%			
Target Compounds						Qvalue
33) Naphthalene	5.223	128	75577	9.96	ppm	99
38) 2-Methylnaphthalene	5.811	142	39951	7.50	ppm	96
39) 1-Methylnaphthalene	5.905	142	24073	4.65	ppm	93
50) Acenaphthylene	6.599	152	25271	3.27	ppm	100
53) Acenaphthene	6.764	153	6110	1.22	ppm	83
55) Dibenzofuran	6.905	168	31630	4.47	ppm	97
59) Fluorene	7.223	166	6238m	1.10	ppm	
66) 1,1'-Biphenyl	6.223	154	9946m	1.53	ppm	
75) Phenanthrene	8.152	178	174506	20.81	ppm	98
76) Anthracene	8.199	178	44988	5.23	ppm	94
77) Carbazole	8.376	167	24599	3.21	ppm	95
78) Di-n-butylphthalate	8.799	149	15187m	1.64	ppm	
79) Fluoranthene	9.440	202	245620	27.76	ppm	100
84) Pyrene	9.687	202	231129	24.13	ppm	97
89) Benzo[a]anthracene	11.081	228	130339	15.05	ppm	94
90) Chrysene	11.128	228	148352	17.22	ppm	96
91) bis(2-Ethylhexyl)phtha...	11.211	149	17419m	4.68	ppm	
94) Benzo[b]fluoranthene	12.293	252	146859m	16.50	ppm	
95) Benzo[k]fluoranthene	12.316	252	105539m	12.17	ppm	
96) Benzo[a]pyrene	12.628	252	108384	13.82	ppm	93
97) Indeno[1,2,3-cd]pyrene	13.828	276	113863m	11.63	ppm	
98) Dibenz[a,h]anthracene	13.840	278	31081m	3.93	ppm	
99) Benzo[g,h,i]perylene	14.146	276	146262m	17.99	ppm	

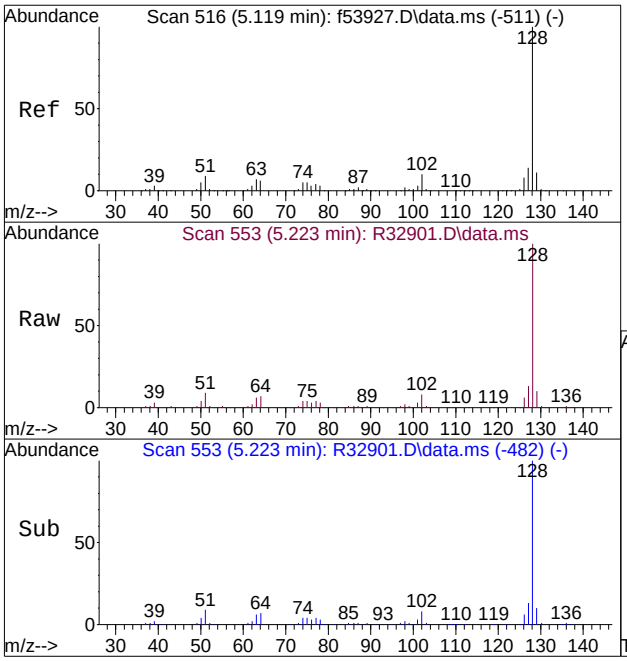
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32901.D
Acq On : 21 Aug 2013 8:17 pm
Operator : kristinr
Sample : MC23630-1
Misc : OP34472,MSR1200,20.12,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 27 10:16:06 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

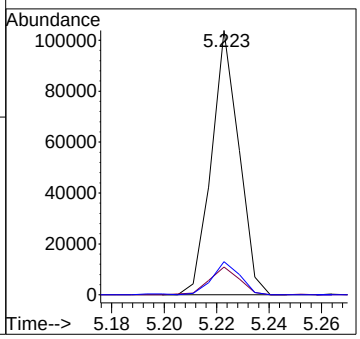


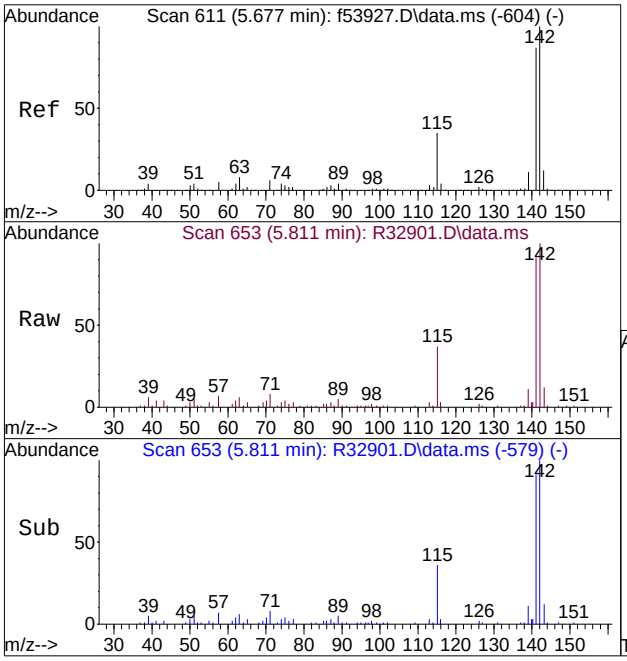


#33
Naphthalene
Concen: 9.96 ppm
RT: 5.223 min Scan# 553
Delta R.T. -0.084 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:128 Resp: 75577

Ion	Ratio	Lower	Upper
128	100		
129	10.5	0.0	40.1
127	12.5	0.0	42.3

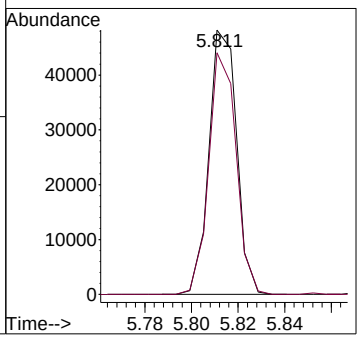


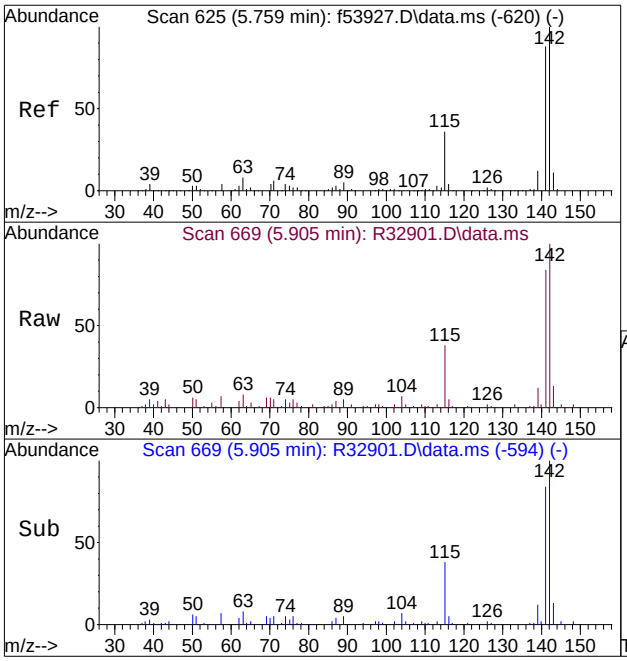


#38
2-Methylnaphthalene
Concen: 7.50 ppm
RT: 5.811 min Scan# 653
Delta R.T. -0.064 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:142 Resp: 39951

Ion	Ratio	Lower	Upper
142	100		
141	91.3	57.2	117.2

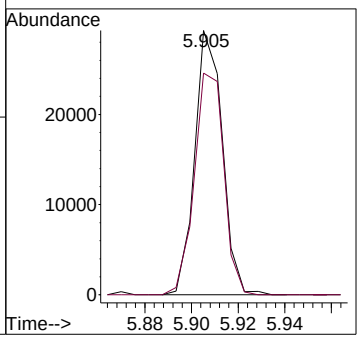


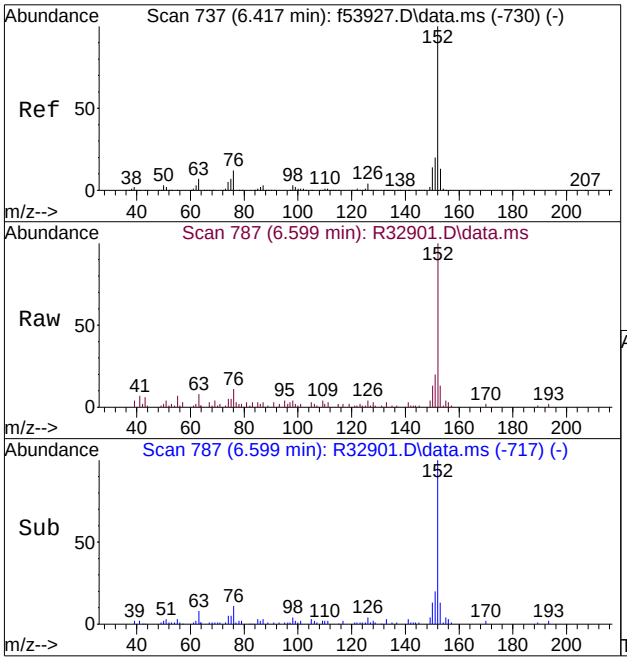


#39
1-Methylnaphthalene
Concen: 4.65 ppm
RT: 5.905 min Scan# 669
Delta R.T. -0.060 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:142 Resp: 24073

Ion	Ratio	Lower	Upper
142	100		
141	83.9	70.0	110.0

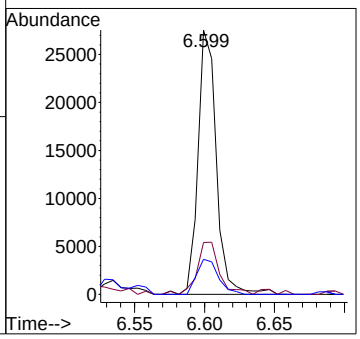


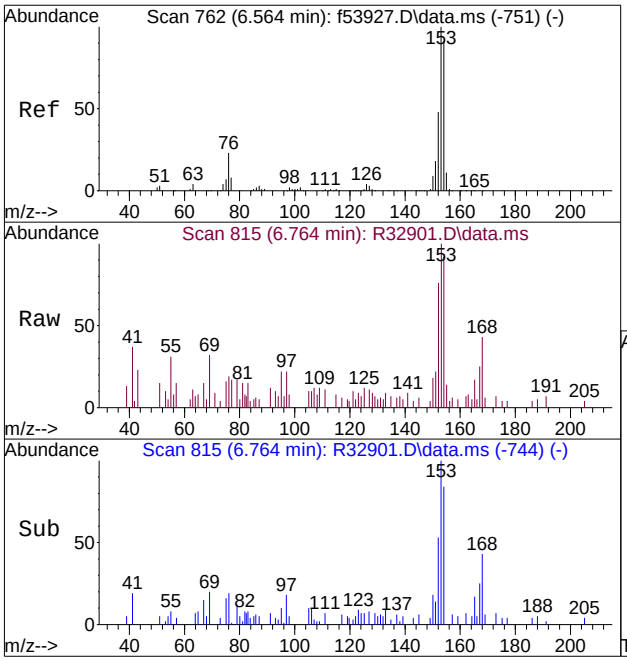


#50
Acenaphthylene
Concen: 3.27 ppm
RT: 6.599 min Scan# 787
Delta R.T. -0.086 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:152 Resp: 25271

Ion	Ratio	Lower	Upper
152	100		
151	19.6	0.0	49.7
153	13.3	0.0	42.9

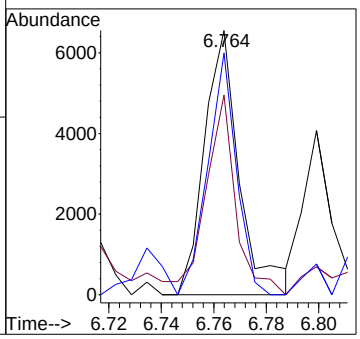


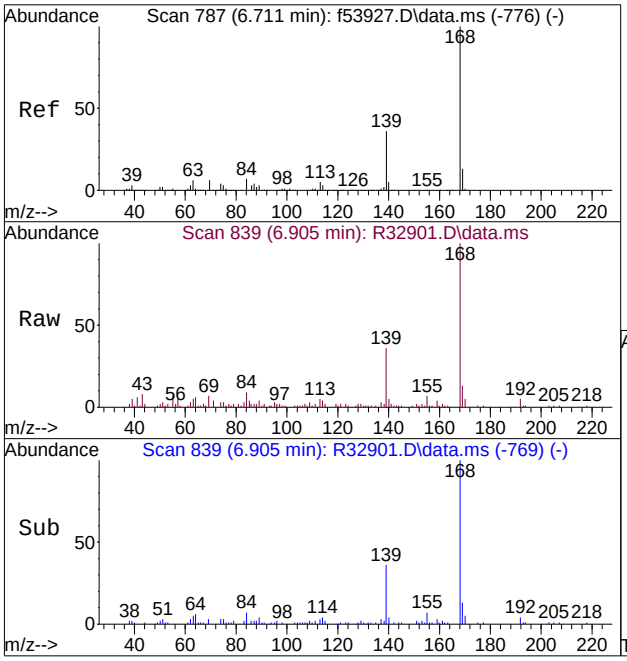


#53
Acenaphthene
Concen: 1.22 ppm
RT: 6.764 min Scan# 815
Delta R.T. -0.084 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:153 Resp: 6110

Ion	Ratio	Lower	Upper
153	100		
152	75.6	16.2	76.2
154	91.5	58.7	118.7

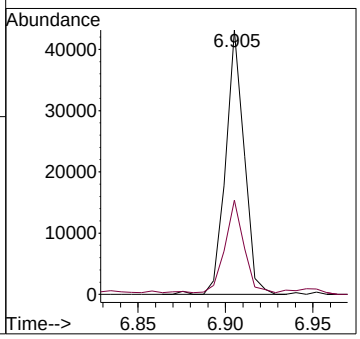


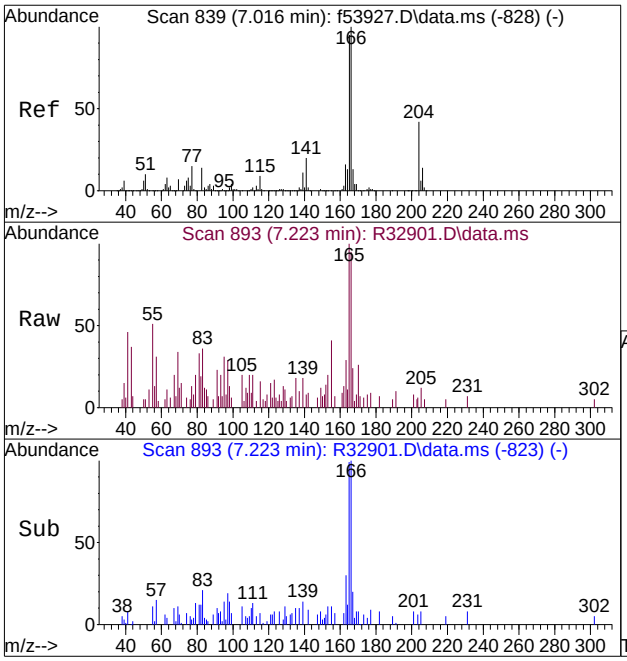


#55
Dibenzofuran
Concen: 4.47 ppm
RT: 6.905 min Scan# 839
Delta R.T. -0.088 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:168 Resp: 31630

Ion	Ratio	Lower	Upper
168	100		
139	35.0	3.2	63.2

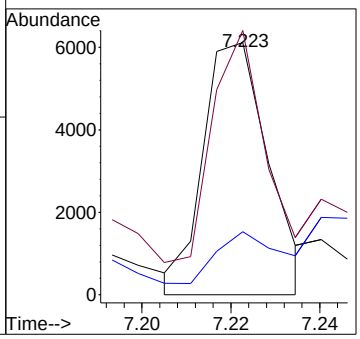


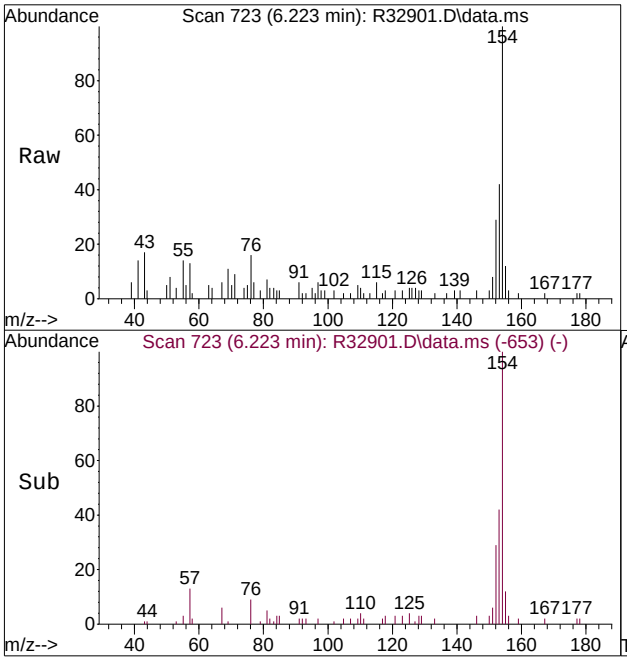


#59
Fluorene
Concen: 1.10 ppm m
RT: 7.223 min Scan# 893
Delta R.T. -0.090 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:166 Resp: 6238

Ion	Ratio	Lower	Upper
166	100		
165	104.8	65.6	125.6
167	25.1	0.0	43.4

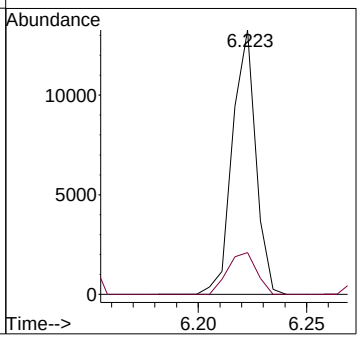


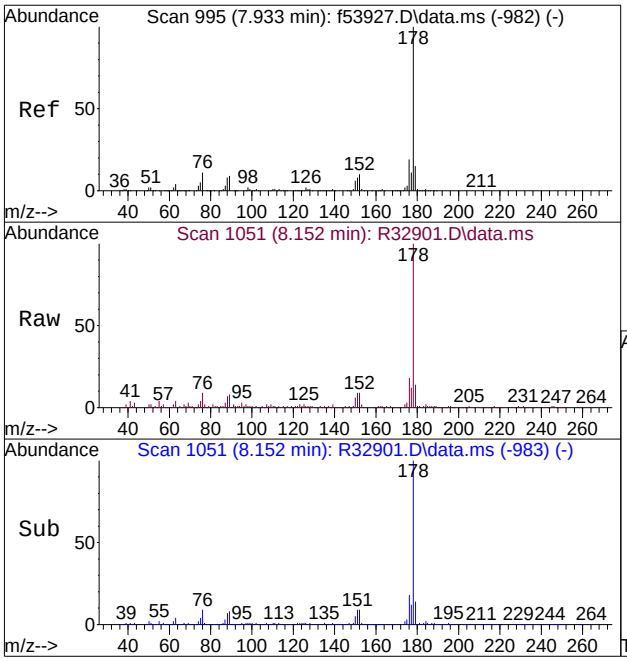


#66
1,1'-Biphenyl
Concen: 1.53 ppm m
RT: 6.223 min Scan# 723
Delta R.T. -0.088 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:154 Resp: 9946

Ion	Ratio	Lower	Upper
154	100		
76	15.8	0.0	0.0#

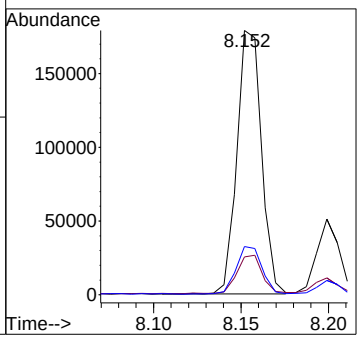


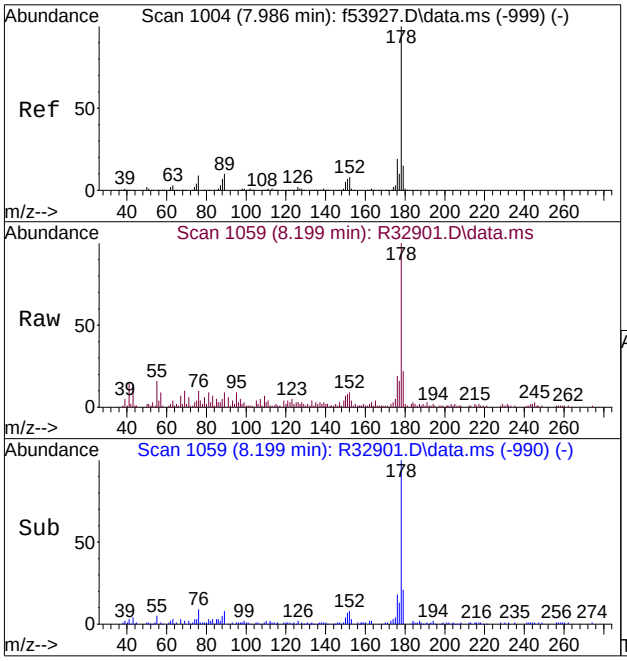


#75
Phenanthrene
Concen: 20.81 ppm
RT: 8.152 min Scan# 1051
Delta R.T. -0.102 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:178 Resp: 174506

Ion	Ratio	Lower	Upper
178	100		
179	13.9	0.0	45.2
176	17.9	0.0	48.6

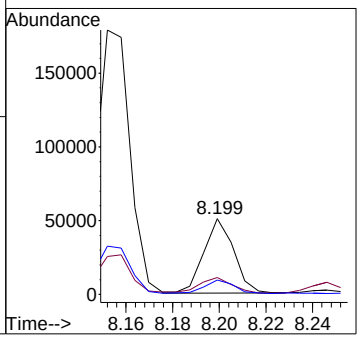


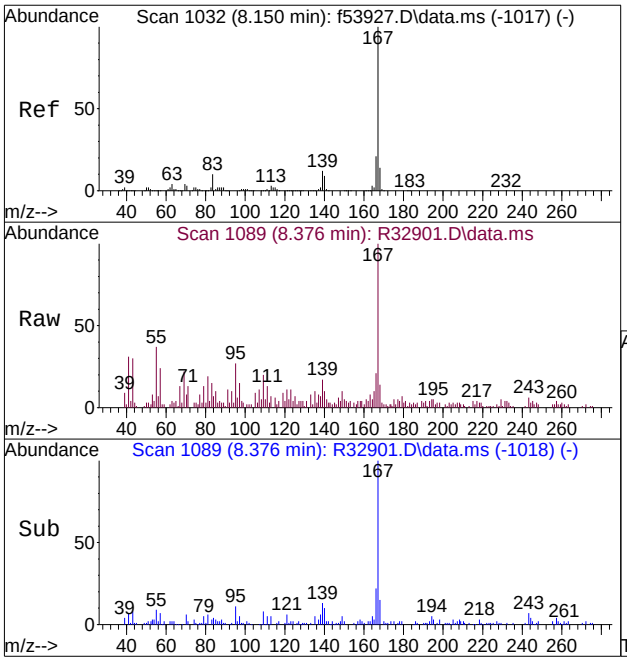


#76
Anthracene
Concen: 5.23 ppm
RT: 8.199 min Scan# 1059
Delta R.T. -0.095 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:178 Resp: 44988

Ion	Ratio	Lower	Upper
178	100		
179	20.7	0.0	45.9
176	18.0	0.0	48.6

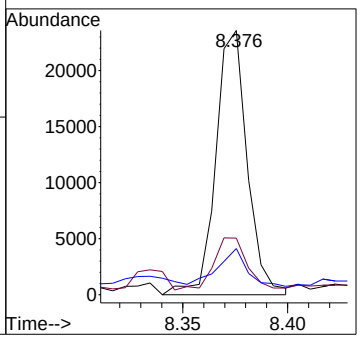


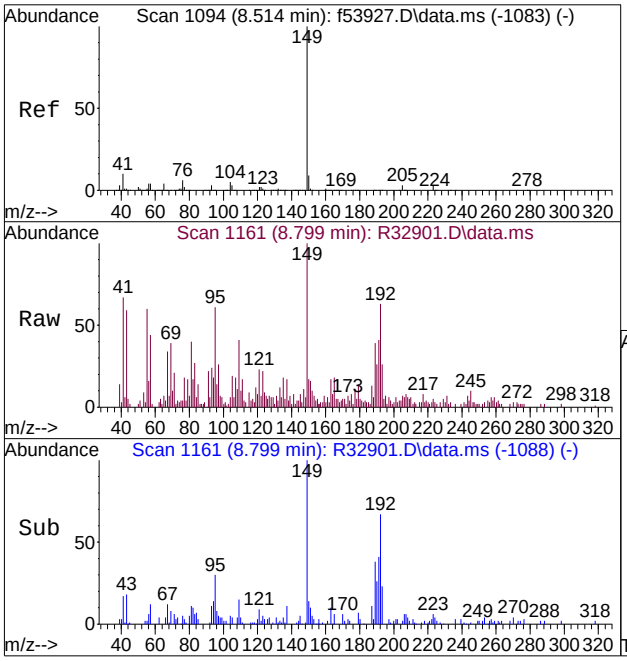


#77
Carbazole
Concen: 3.21 ppm
RT: 8.376 min Scan# 1089
Delta R.T. -0.084 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:167 Resp: 24599

Ion	Ratio	Lower	Upper
167	100		
166	18.9	0.0	50.4
139	14.3	0.0	41.6

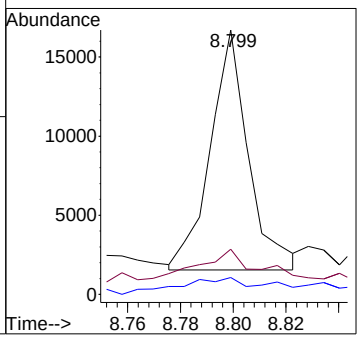


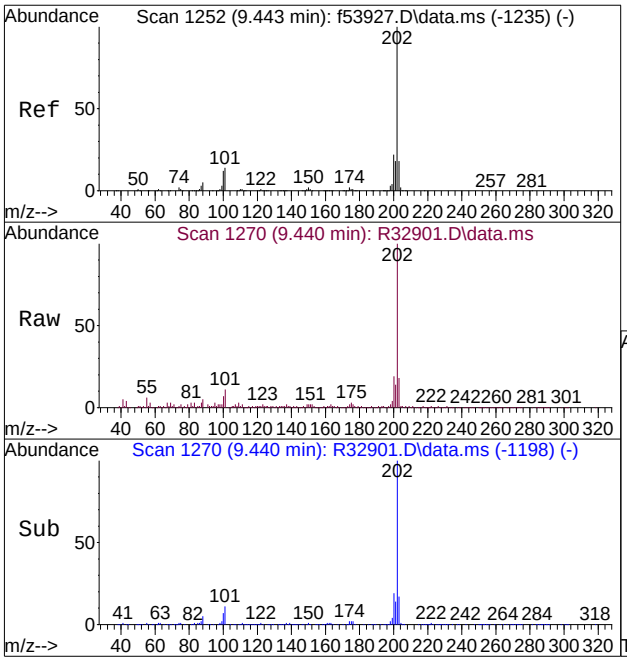


#78
Di-n-butylphthalate
Concen: 1.64 ppm m
RT: 8.799 min Scan# 1161
Delta R.T. -0.073 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:149 Resp: 15187

Ion	Ratio	Lower	Upper
149	100		
150	17.1	0.0	39.0
104	6.3	0.0	34.5

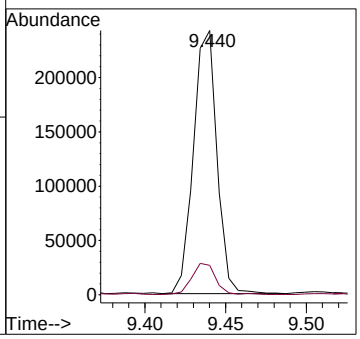


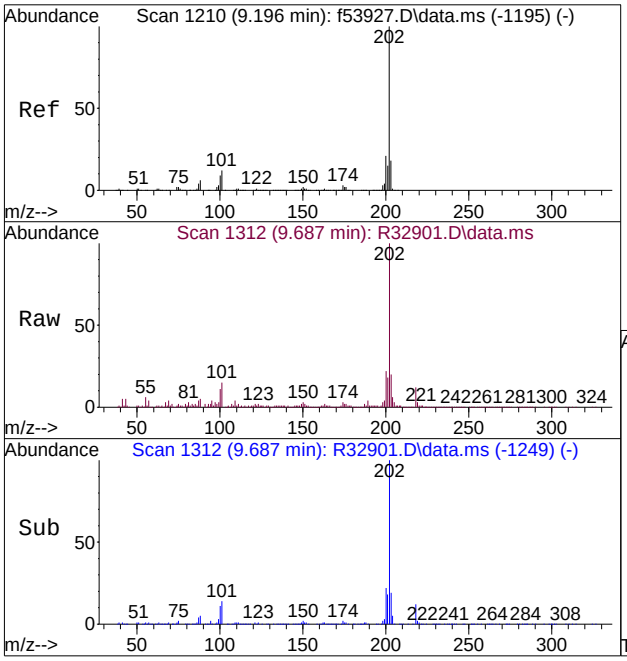


#79
Fluoranthene
Concen: 27.76 ppm
RT: 9.440 min Scan# 1270
Delta R.T. -0.078 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:202 Resp: 245620

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	41.0

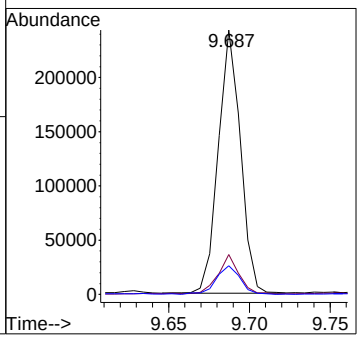


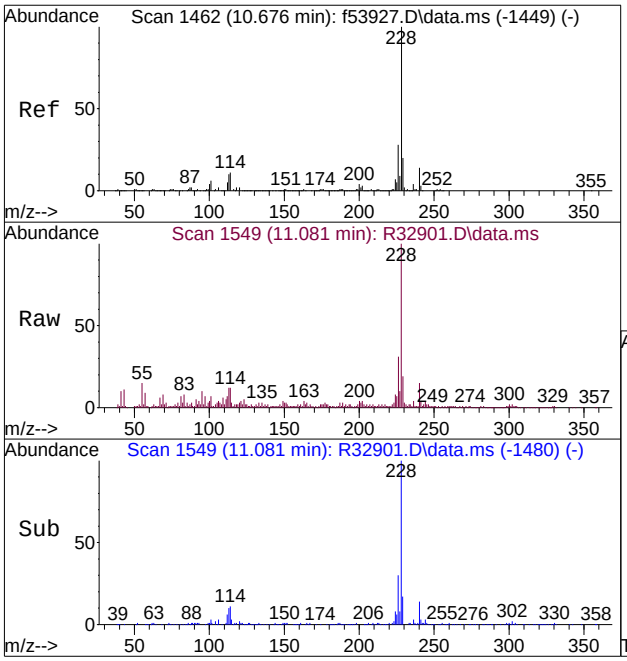


#84
Pyrene
Concen: 24.13 ppm
RT: 9.687 min Scan# 1312
Delta R.T. -0.127 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:202 Resp: 231129

Ion	Ratio	Lower	Upper
202	100		
101	14.9	0.0	43.1
100	10.7	0.0	40.6

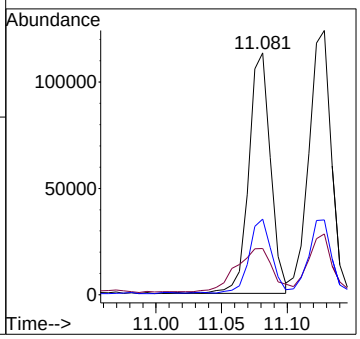


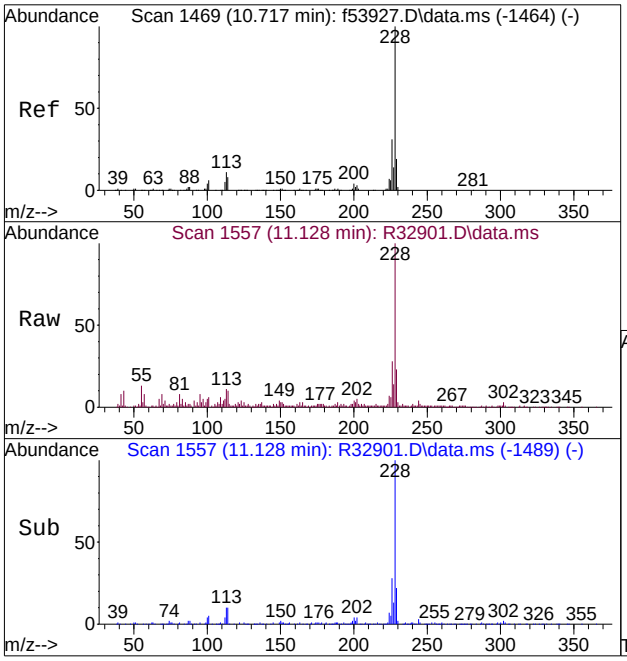


#89
Benzo[a]anthracene
Concen: 15.05 ppm
RT: 11.081 min Scan# 1549
Delta R.T. -0.096 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:228 Resp: 130339

Ion	Ratio	Lower	Upper
228	100		
229	18.0	0.0	49.1
226	30.6	0.0	56.0

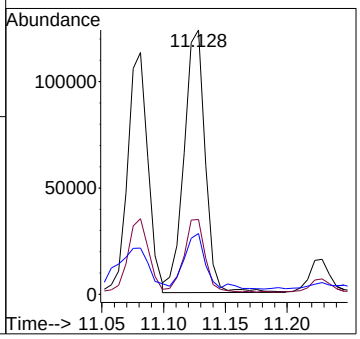


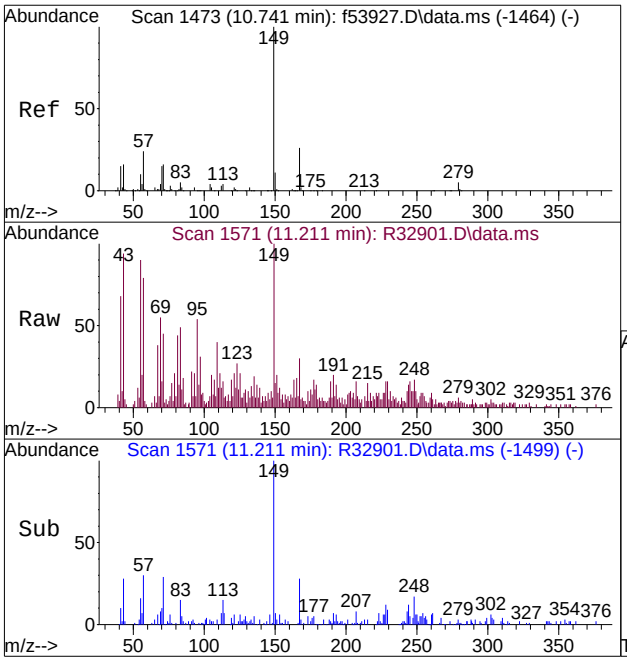


#90
Chrysene
Concen: 17.22 ppm
RT: 11.128 min Scan# 1557
Delta R.T. -0.101 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:228 Resp: 148352

Ion	Ratio	Lower	Upper
228	100		
226	27.7	0.0	59.0
229	21.1	0.0	48.7

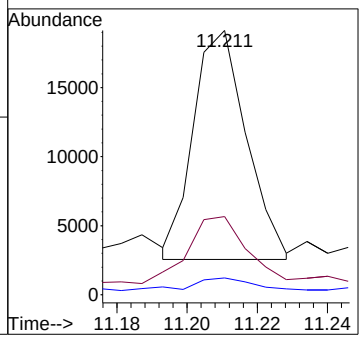


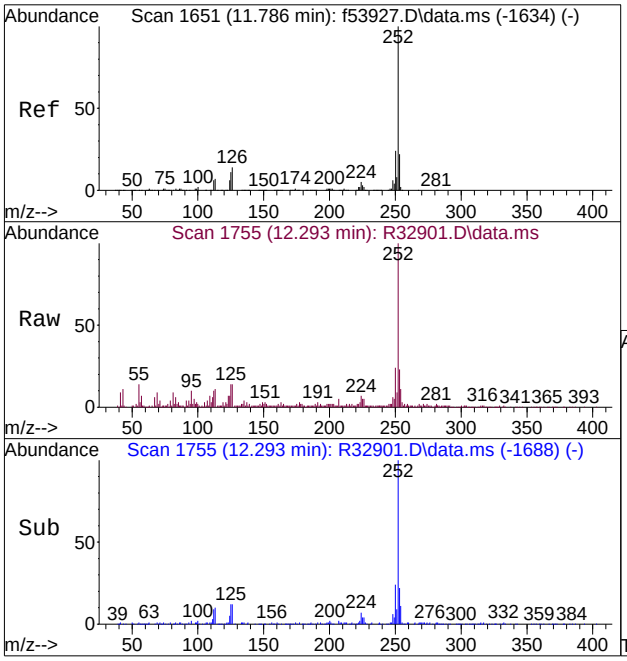


#91
bis(2-Ethylhexyl)phthalate
Concen: 4.68 ppm m
RT: 11.211 min Scan# 1571
Delta R.T. -0.077 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:149 Resp: 17419

Ion	Ratio	Lower	Upper
149	100		
167	29.6	0.0	58.7
279	6.4	0.0	35.2

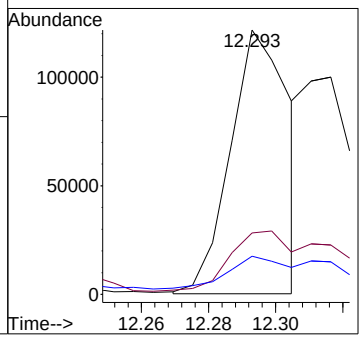


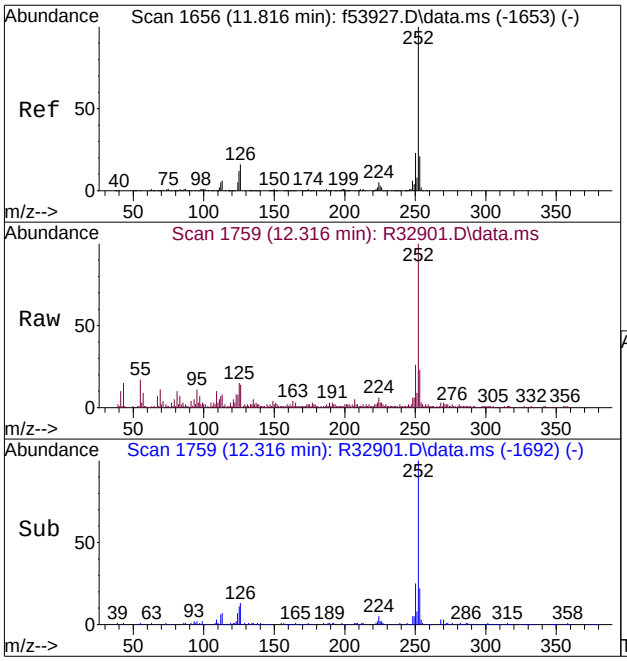


#94
Benzo[b]fluoranthene
Concen: 16.50 ppm m
RT: 12.293 min Scan# 1755
Delta R.T. -0.104 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:252 Resp: 146859

Ion	Ratio	Lower	Upper
252	100		
253	23.3	0.0	50.9
125	14.5	0.0	41.8

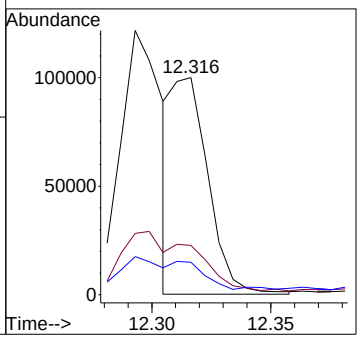


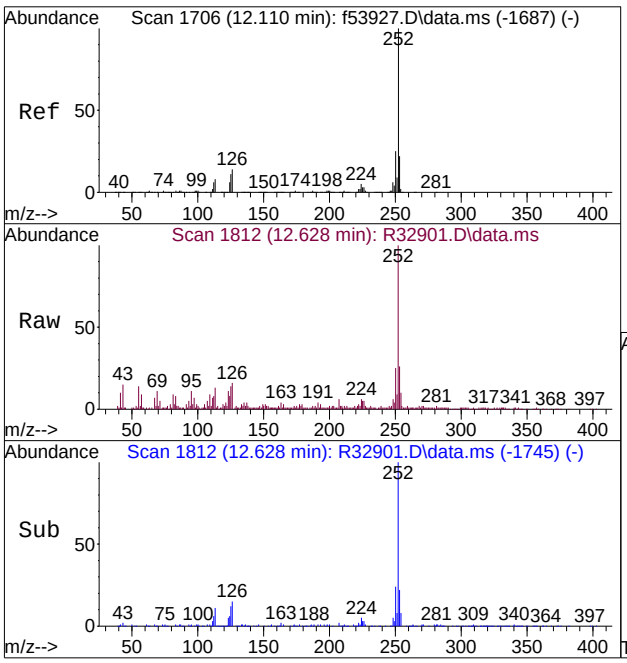


#95
Benzo[k]fluoranthene
Concen: 12.17 ppm m
RT: 12.316 min Scan# 1759
Delta R.T. -0.103 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:252 Resp: 105539

Ion	Ratio	Lower	Upper
252	100		
253	22.8	0.0	51.4
125	15.0	0.0	42.0

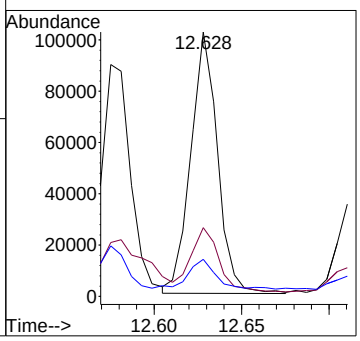


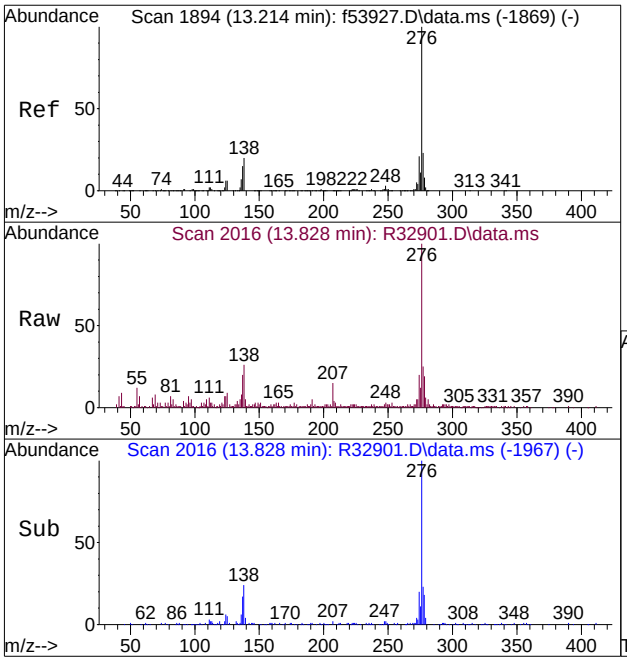


#96
Benzo[a]pyrene
Concen: 13.82 ppm
RT: 12.628 min Scan# 1812
Delta R.T. -0.103 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:252 Resp: 108384

Ion	Ratio	Lower	Upper
252	100		
253	24.6	0.0	50.5
125	11.1	0.0	43.2

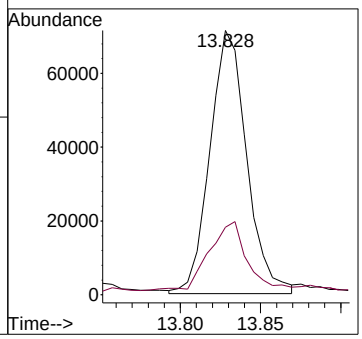


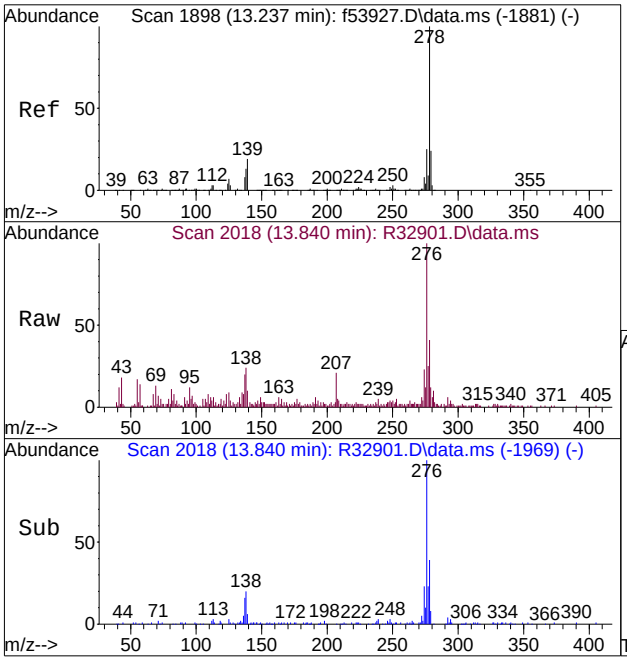


#97
Indeno[1,2,3-cd]pyrene
Concen: 11.63 ppm m
RT: 13.828 min Scan# 2016
Delta R.T. -0.211 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:276 Resp: 113863

Ion	Ratio	Lower	Upper
276	100		
138	25.6	0.6	60.6

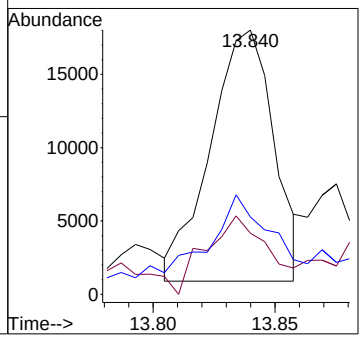


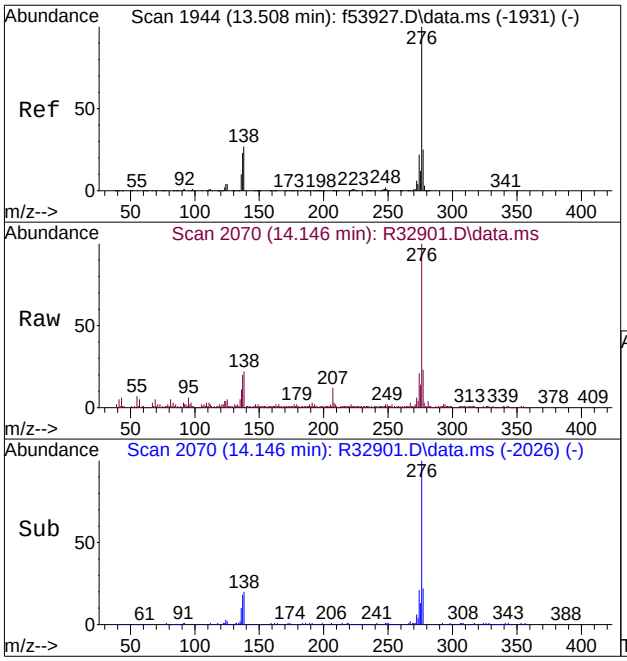


#98
Dibenz[a,h]anthracene
Concen: 3.93 ppm m
RT: 13.840 min Scan# 2018
Delta R.T. -0.211 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:278 Resp: 31081

Ion	Ratio	Lower	Upper
278	100		
139	23.1	0.0	48.9
279	29.2	0.0	54.2

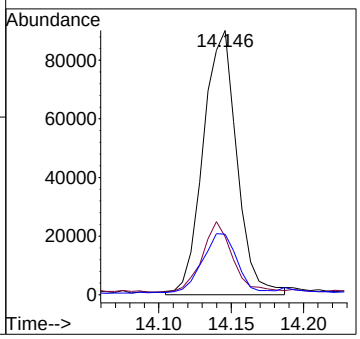




#99
Benzo[g,h,i]perylene
Concen: 17.99 ppm m
RT: 14.146 min Scan# 2070
Delta R.T. -0.239 min
Lab File: R32901.D
Acq: 21 Aug 2013 8:17 pm

Tgt Ion:276 Resp: 146262

Ion	Ratio	Lower	Upper
276	100		
138	21.9	0.0	55.6
277	22.9	0.0	53.3



LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32901.D
Acq On : 21 Aug 2013 8:17 pm
Operator : kristinr
Sample : MC23630-1
Misc : OP34472,MSR1200,20.12,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

Signal : TIC: R32901.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.017	3	8	23	rVB2	130321	212919	11.95%	0.938%
2	2.417	72	76	82	rVV	47288	46754	2.62%	0.206%
3	2.494	82	89	93	rVV5	34255	46646	2.62%	0.206%
4	2.770	131	136	142	rVB4	37273	57032	3.20%	0.251%
5	2.976	167	171	178	rVV	264631	245703	13.78%	1.083%
6	3.229	211	214	222	rVB	320006	265575	14.90%	1.171%
7	3.364	232	237	248	rVB3	24132	37947	2.13%	0.167%
8	3.488	255	258	265	rVB	59473	53175	2.98%	0.234%
9	3.705	290	295	298	rVB	59986	52982	2.97%	0.234%
10	3.911	327	330	338	rVB	322820	262363	14.72%	1.156%
11	3.976	338	341	346	rVB	73641	56152	3.15%	0.248%
12	4.035	346	351	360	rBV2	38383	43115	2.42%	0.190%
13	4.152	364	371	377	rVB	618259	494185	27.72%	2.178%
14	4.623	442	451	456	rVB	320234	280411	15.73%	1.236%
15	4.999	509	515	519	rBV6	16735	28113	1.58%	0.124%
16	5.205	544	550	559	rBV2	828762	823488	46.20%	3.630%
17	5.511	599	602	610	rBV5	19445	42398	2.38%	0.187%
18	5.582	610	614	621	rVV	47853	41804	2.35%	0.184%
19	5.717	630	637	643	rVV	76733	66141	3.71%	0.292%
20	5.811	650	653	658	rVB	174272	146708	8.23%	0.647%
21	5.905	665	669	675	rVB	110026	108474	6.09%	0.478%
22	6.099	699	702	706	rBV	42761	33561	1.88%	0.148%
23	6.146	706	710	716	rVB	750202	581324	32.61%	2.562%
24	6.205	716	720	726	rBV2	100426	134347	7.54%	0.592%
25	6.358	743	746	752	rBV	114563	106878	6.00%	0.471%
26	6.434	752	759	768	rVV	116043	227673	12.77%	1.004%
27	6.499	768	770	773	rVV	67576	55266	3.10%	0.244%
28	6.534	773	776	782	rVB2	56955	72822	4.09%	0.321%
29	6.605	782	788	791	rBV2	70123	75158	4.22%	0.331%
30	6.670	796	799	802	rBV	125961	92031	5.16%	0.406%
31	6.734	802	810	819	rBV	973288	850932	47.74%	3.751%
32	6.817	819	824	826	rBV4	27561	31276	1.75%	0.138%
33	6.846	826	829	833	rVB	30993	29546	1.66%	0.130%
34	6.905	833	839	844	rBV2	120024	162487	9.12%	0.716%
35	6.952	844	847	850	rVB2	61832	60186	3.38%	0.265%
36	7.040	857	862	866	rBV3	60839	104168	5.84%	0.459%
37	7.123	868	876	880	rBV2	151535	199131	11.17%	0.878%
38	7.187	882	887	891	rBV7	24002	47524	2.67%	0.209%
39	7.234	891	895	901	rVV5	47541	82537	4.63%	0.364%
40	7.340	906	913	916	rBV	83050	100197	5.62%	0.442%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32901.D
Acq On : 21 Aug 2013 8:17 pm
Operator : kristinr
Sample : MC23630-1
Misc : OP34472,MSR1200,20.12,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

41	7.381	916	920	925	rVV	60423	69894	3.92%	0.308%
42	7.470	928	935	939	rBV2	273729	333834	18.73%	1.471%
43	7.570	948	952	954	rBV2	211598	202619	11.37%	0.893%
44	7.599	954	957	961	rVB	144554	136342	7.65%	0.601%
45	7.781	984	988	994	rBV9	21849	43163	2.42%	0.190%
46	7.893	1004	1007	1012	rBV5	58617	92827	5.21%	0.409%
47	7.946	1014	1016	1019	rVB	81302	64763	3.63%	0.285%
48	7.993	1019	1024	1025	rBV4	37950	53739	3.01%	0.237%
49	8.011	1025	1027	1033	rVV2	139594	156206	8.76%	0.689%
50	8.064	1033	1036	1042	rVB3	58015	65514	3.68%	0.289%
51	8.134	1042	1048	1050	rBV	840526	886318	49.72%	3.907%
52	8.152	1050	1051	1056	rVV	419325	334247	18.75%	1.473%
53	8.199	1056	1059	1065	rVV	123368	108923	6.11%	0.480%
54	8.334	1079	1082	1085	rBV2	49217	61153	3.43%	0.270%
55	8.428	1095	1098	1100	rBV4	39610	35360	1.98%	0.156%
56	8.458	1100	1103	1118	rVB3	154072	182688	10.25%	0.805%
57	8.664	1135	1138	1140	rBV	94263	92909	5.21%	0.410%
58	8.693	1140	1143	1146	rVV	163494	163128	9.15%	0.719%
59	8.723	1146	1148	1156	rVB4	58970	107710	6.04%	0.475%
60	8.787	1156	1159	1173	rBV3	156811	347477	19.49%	1.532%
61	8.899	1173	1178	1190	rVV2	131272	237725	13.34%	1.048%
62	8.981	1190	1192	1195	rVV	58640	76415	4.29%	0.337%
63	9.011	1195	1197	1211	rVB6	85900	144499	8.11%	0.637%
64	9.152	1218	1221	1226	rBV6	50266	79940	4.48%	0.352%
65	9.199	1226	1229	1237	rVB6	58047	111027	6.23%	0.489%
66	9.281	1240	1243	1246	rBV	88950	84323	4.73%	0.372%
67	9.334	1247	1252	1255	rVV3	108082	170594	9.57%	0.752%
68	9.370	1256	1258	1264	rVB3	64278	55988	3.14%	0.247%
69	9.434	1265	1269	1278	rBV	518214	589569	33.08%	2.599%
70	9.605	1294	1298	1307	rVB10	65267	110975	6.23%	0.489%
71	9.687	1307	1312	1320	rVB	648518	657182	36.87%	2.897%
72	9.758	1320	1324	1328	rVB2	132552	155569	8.73%	0.686%
73	9.805	1329	1332	1341	rBV2	48583	114526	6.43%	0.505%
74	9.881	1341	1345	1356	rBV	788262	827361	46.42%	3.647%
75	10.081	1374	1379	1385	rVB2	99975	185996	10.43%	0.820%
76	10.170	1392	1394	1415	rVB2	90162	324054	18.18%	1.428%
77	10.311	1415	1418	1420	rBV2	69789	66734	3.74%	0.294%
78	10.575	1460	1463	1477	rVB5	90668	156828	8.80%	0.691%
79	10.681	1477	1481	1498	rBV	92200	210259	11.80%	0.927%
80	10.805	1499	1502	1506	rBV2	93163	108751	6.10%	0.479%
81	10.917	1518	1521	1526	rVB	93661	105025	5.89%	0.463%
82	10.969	1527	1530	1541	rBV3	75379	126864	7.12%	0.559%
83	11.099	1545	1552	1555	rBV2	876458	1234700	69.27%	5.442%
84	11.128	1555	1557	1568	rVB	319584	332787	18.67%	1.467%
85	11.217	1568	1572	1587	rBV6	70926	155210	8.71%	0.684%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32901.D
Acq On : 21 Aug 2013 8:17 pm
Operator : kristinr
Sample : MC23630-1
Misc : OP34472,MSR1200,20.12,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

86	11.564	1628	1631	1637	rBV2	93351	128183	7.19%	0.565%
87	11.617	1637	1640	1646	rVB4	79876	80740	4.53%	0.356%
88	11.717	1655	1657	1664	rVB6	71672	126545	7.10%	0.558%
89	12.293	1751	1755	1769	rBV2	353474	739935	41.51%	3.261%
90	12.411	1771	1775	1785	rVB2	110239	158810	8.91%	0.700%
91	12.575	1799	1803	1808	rVB	229726	279351	15.67%	1.231%
92	12.628	1808	1812	1817	rBV	265204	261530	14.67%	1.153%
93	12.687	1817	1822	1830	rVB	774794	950454	53.32%	4.189%
94	13.269	1918	1921	1974	rVV	113658	469196	26.32%	2.068%
95	13.605	1974	1978	1990	rVB8	103349	205578	11.53%	0.906%
96	13.722	1996	1998	2012	rVB8	78546	149156	8.37%	0.657%
97	13.828	2012	2016	2034	rVB3	232639	535067	30.02%	2.358%
98	13.999	2043	2045	2063	rVB8	70081	243875	13.68%	1.075%
99	14.146	2064	2070	2181	rVB	281882	1782465	100.00%	7.857%
100	15.693	2328	2333	2343	rVB3	62765	155684	8.73%	0.686%

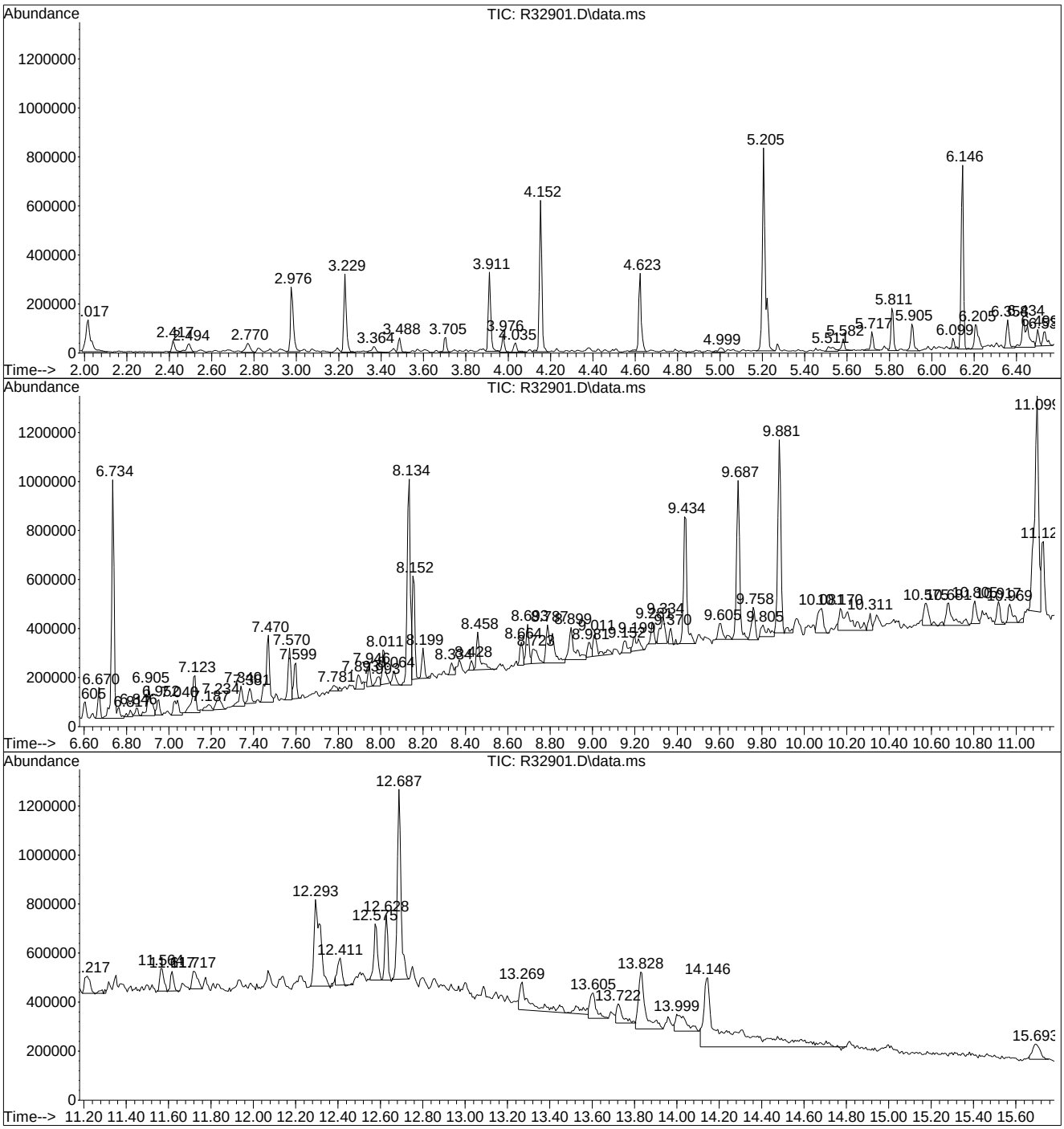
Sum of corrected areas: 22687413

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\R130821\
Data File : R32901.D
Acq On : 21 Aug 2013 8:17 pm
Operator : kristinr
Sample : MC23630-1
Misc : OP34472,MSR1200,20.12,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32901.D
Acq On : 21 Aug 2013 8:17 pm
Operator : kristinr
Sample : MC23630-1
Misc : OP34472,MSR1200,20.12,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

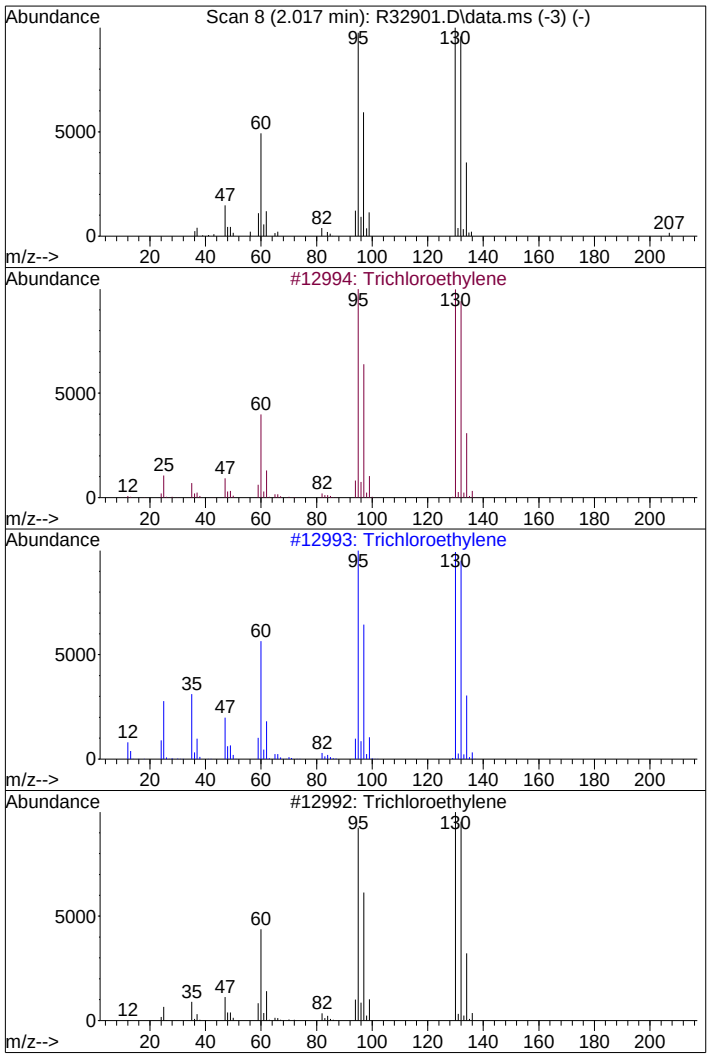
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

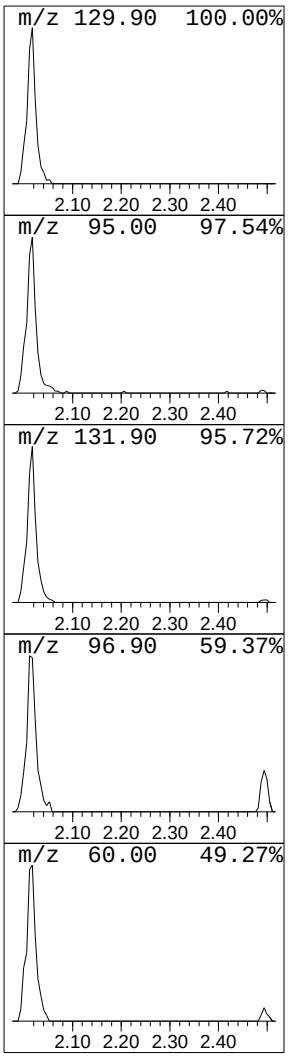
****

Peak Number 1 Trichloroethylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.017	17.23 ppm	212919	1,4-Dichlorobenzene-d4A	4.152

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroethylene	130	C2HCl3	000079-01-6	98
2	Trichloroethylene	130	C2HCl3	000079-01-6	96
3	Trichloroethylene	130	C2HCl3	000079-01-6	93
4	Benzene, 1-chloro-2-fluoro-	130	C6H4ClF	000348-51-6	25
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	22





Library Search Compound Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32901.D
Acq On : 21 Aug 2013 8:17 pm
Operator : kristinr
Sample : MC23630-1
Misc : OP34472,MSR1200,20.12,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

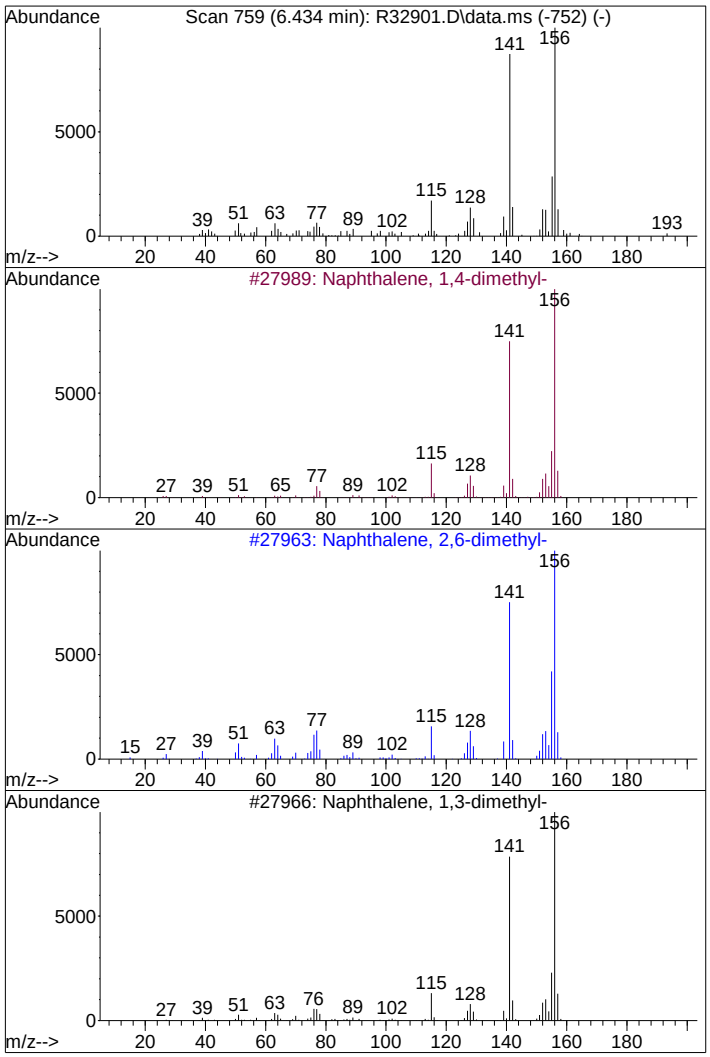
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

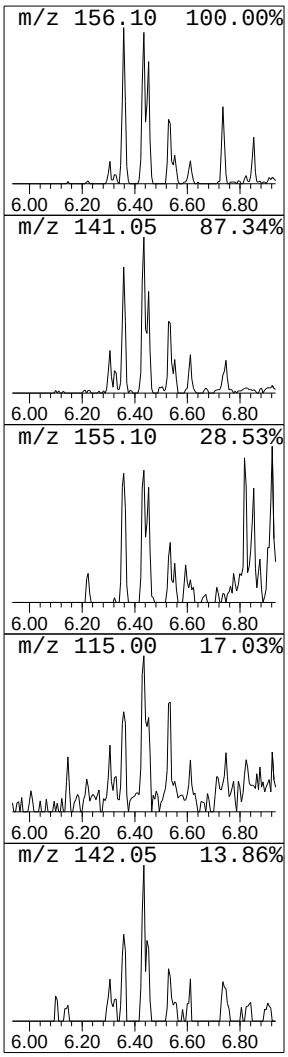
****

Peak Number 3 Naphthalene, 1,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.434	10.70 ppm	227673	Acenaphthene-d10	6.734

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94





Library Search Compound Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32901.D
Acq On : 21 Aug 2013 8:17 pm
Operator : kristinr
Sample : MC23630-1
Misc : OP34472,MSR1200,20.12,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

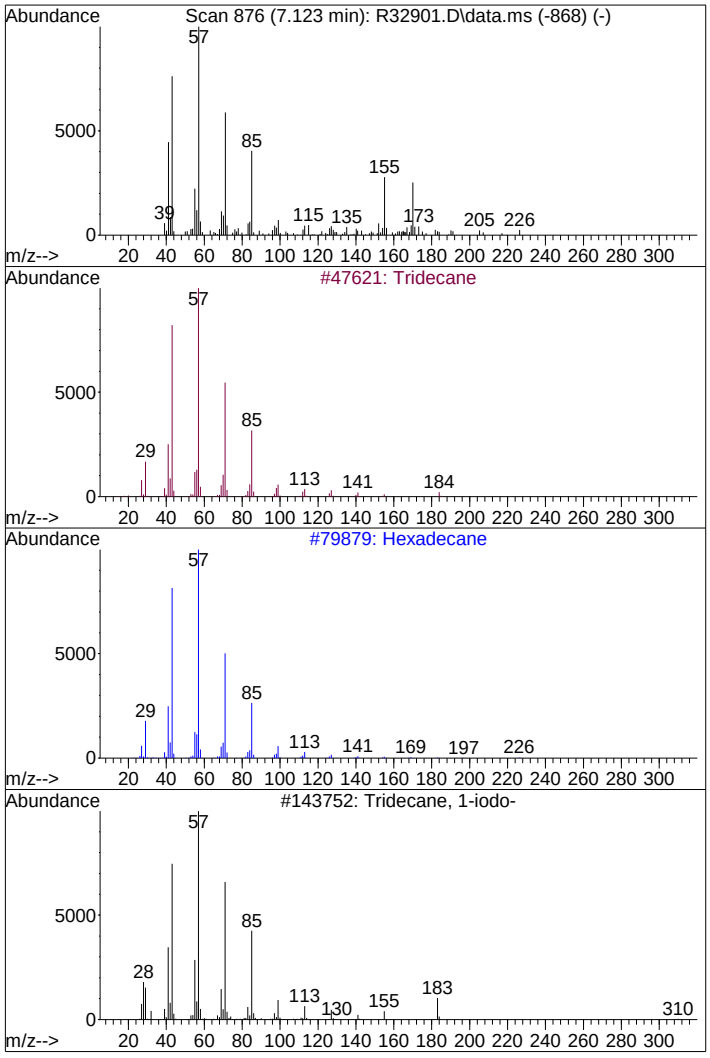
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

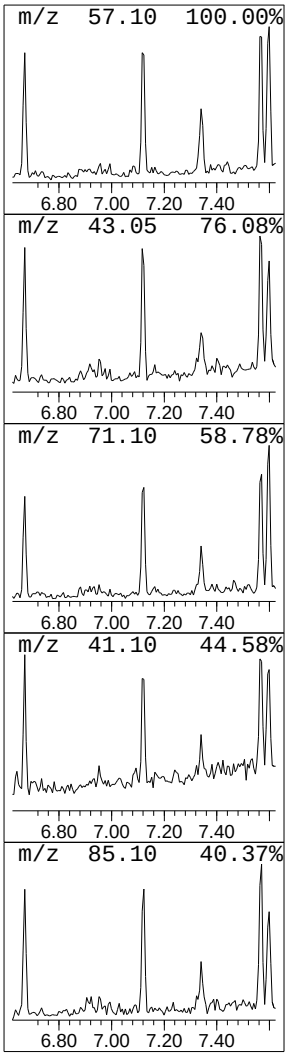
****

Peak Number 4 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.123	9.36 ppm	199131	Acenaphthene-d10a	6.734

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	86
2	Hexadecane	226	C16H34	000544-76-3	78
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	58
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	52
5	Tridecane	184	C13H28	000629-50-5	50





Library Search Compound Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32901.D
Acq On : 21 Aug 2013 8:17 pm
Operator : kristinr
Sample : MC23630-1
Misc : OP34472,MSR1200,20.12,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

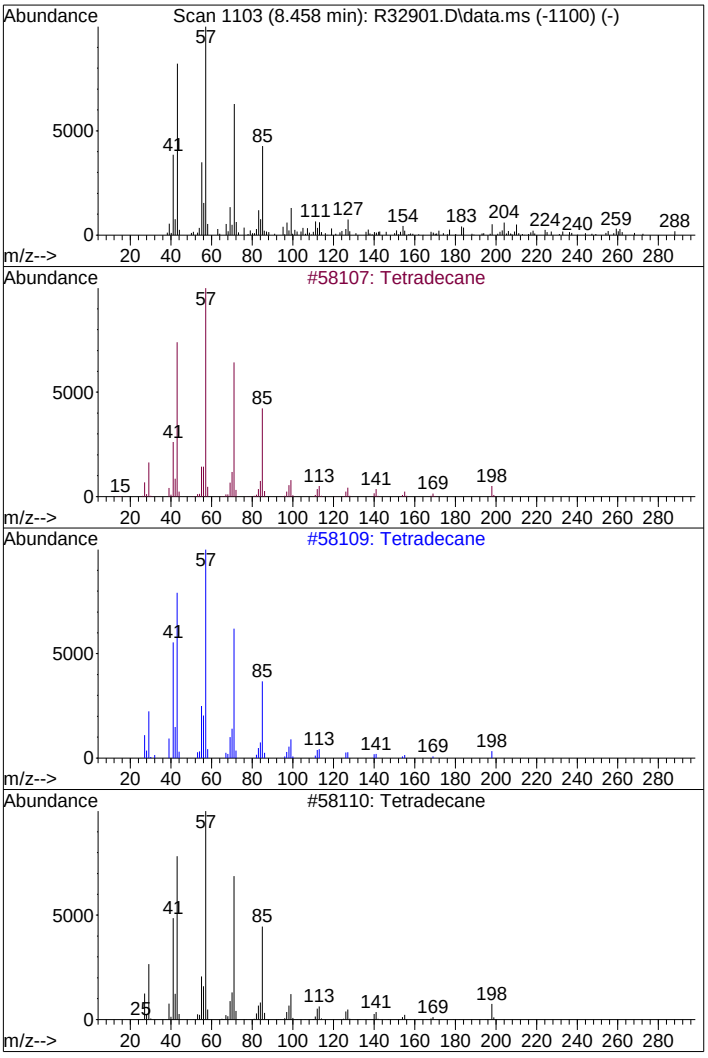
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

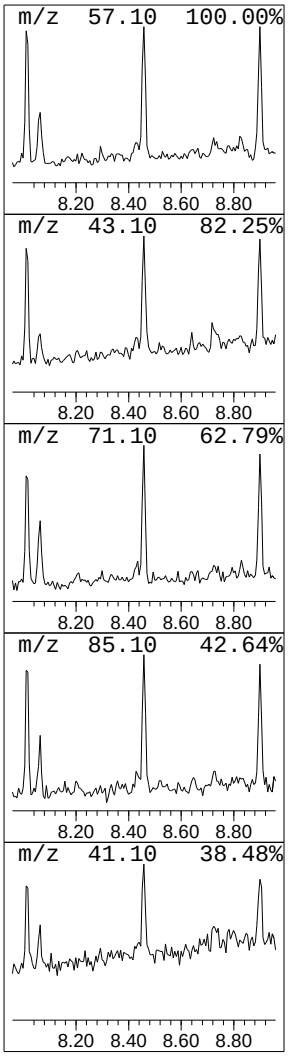
****

Peak Number 7 Tetradecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.458	8.24 ppm	182688	Phenanthrene-d10a	8.134

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	91
2	Tetradecane	198	C14H30	000629-59-4	87
3	Tetradecane	198	C14H30	000629-59-4	87
4	Tetradecane	198	C14H30	000629-59-4	87
5	Tridecane	184	C13H28	000629-50-5	83





Library Search Compound Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32901.D
Acq On : 21 Aug 2013 8:17 pm
Operator : kristinr
Sample : MC23630-1
Misc : OP34472,MSR1200,20.12,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

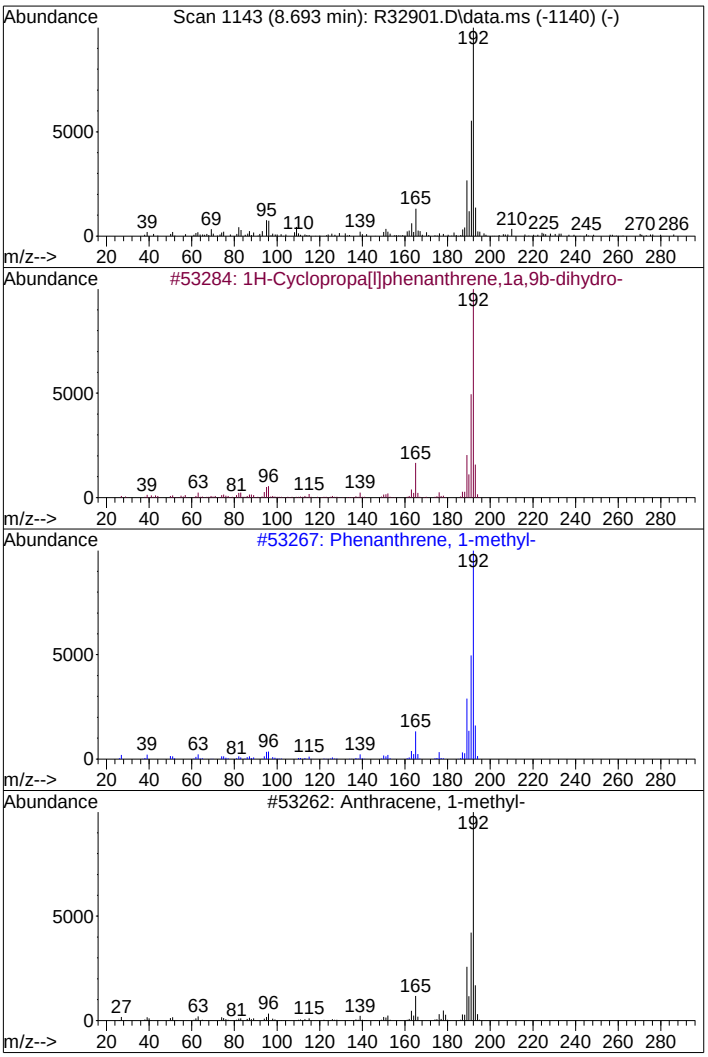
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

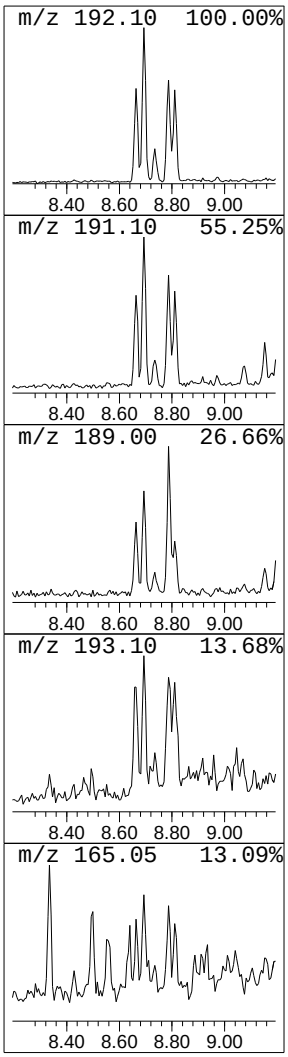
****

Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.693	7.36 ppm	163128	Phenanthrene-d10a	8.134

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





Library Search Compound Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32901.D
Acq On : 21 Aug 2013 8:17 pm
Operator : kristinr
Sample : MC23630-1
Misc : OP34472,MSR1200,20.12,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

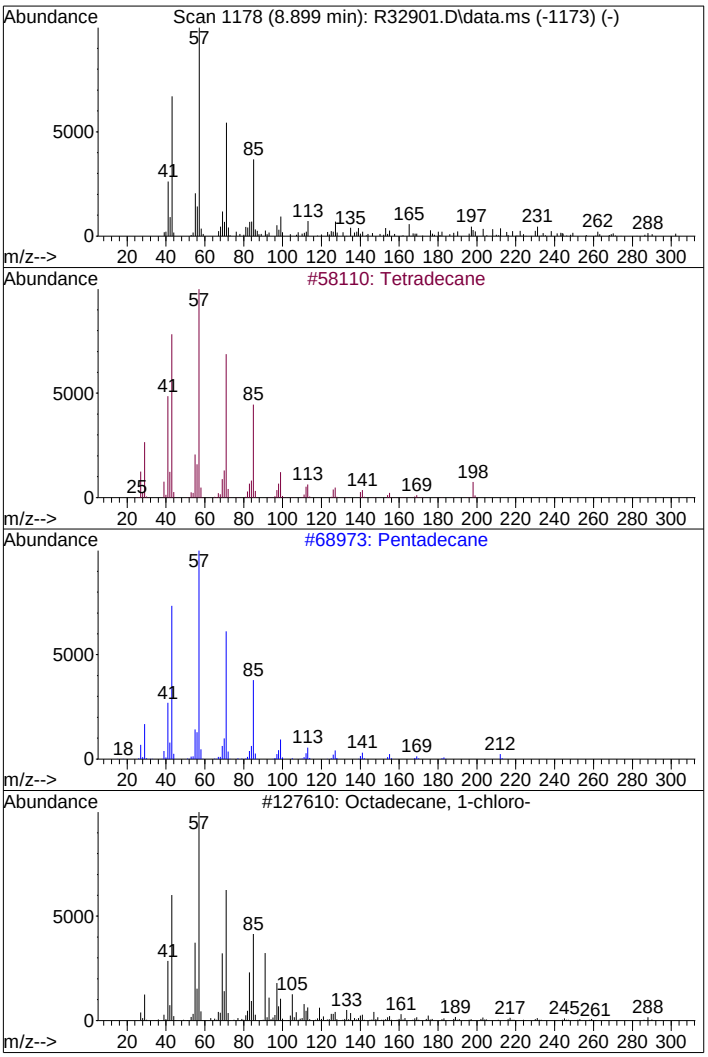
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

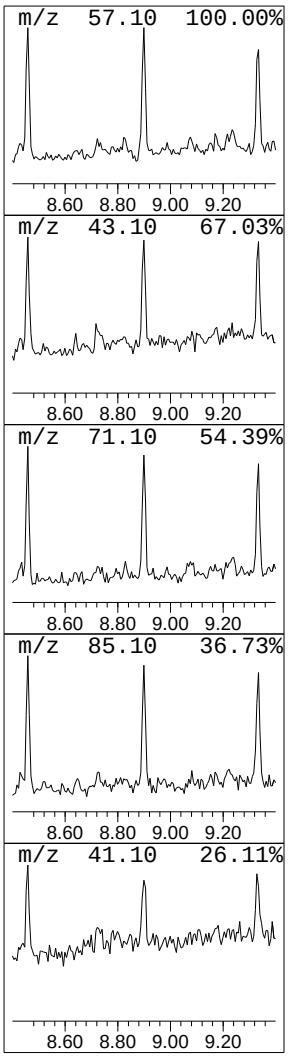
****

Peak Number 9 Pentadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.899	10.73 ppm	237725	Phenanthrene-d10a	8.134

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Pentadecane	212	C15H32	000629-62-9	81
3	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	80
4	Pentadecane	212	C15H32	000629-62-9	80
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	76





Library Search Compound Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32901.D
Acq On : 21 Aug 2013 8:17 pm
Operator : kristinr
Sample : MC23630-1
Misc : OP34472,MSR1200,20.12,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

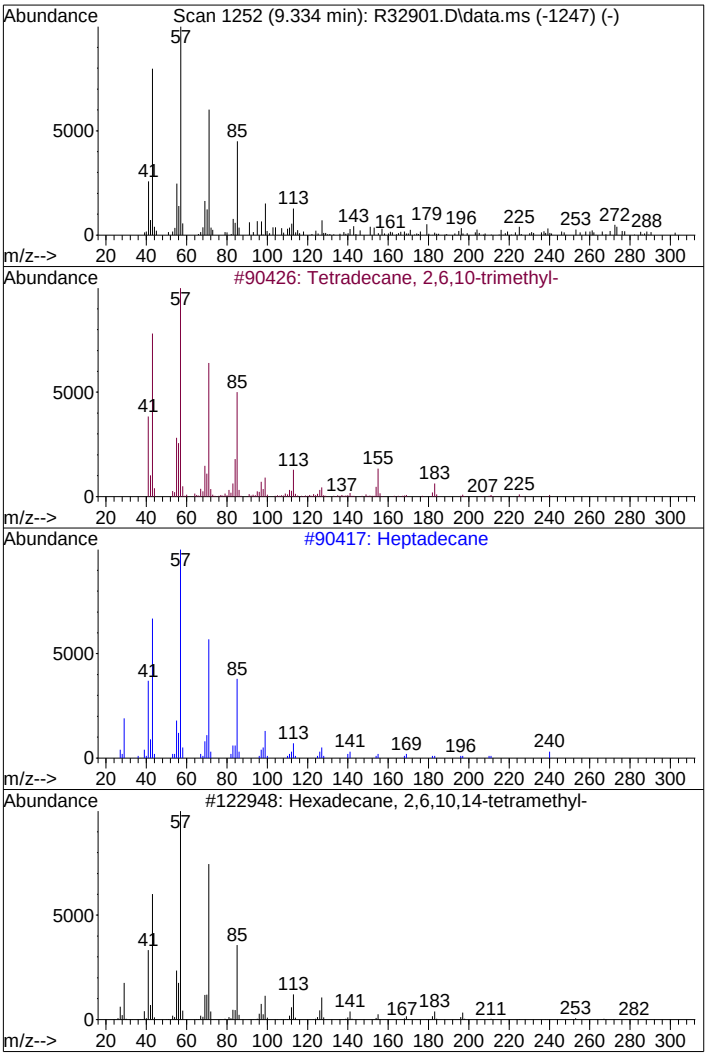
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

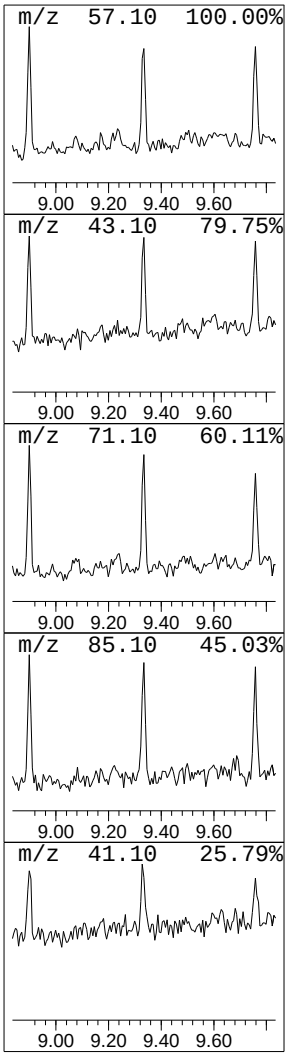
****

Peak Number 10 Heptadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.334	7.70 ppm	170594	Phenanthrene-d10a	8.134

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	87
2	Heptadecane	240	C17H36	000629-78-7	87
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
4	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	83
5	Pentacosane	352	C25H52	000629-99-2	83





Library Search Compound Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32901.D
Acq On : 21 Aug 2013 8:17 pm
Operator : kristinr
Sample : MC23630-1
Misc : OP34472,MSR1200,20.12,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

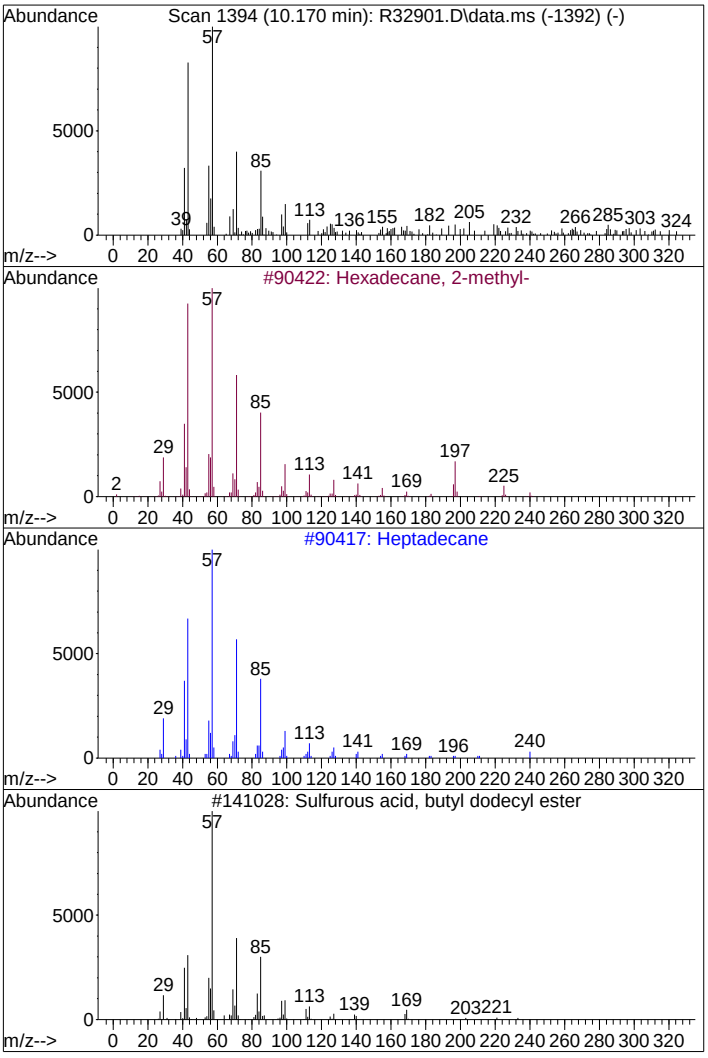
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

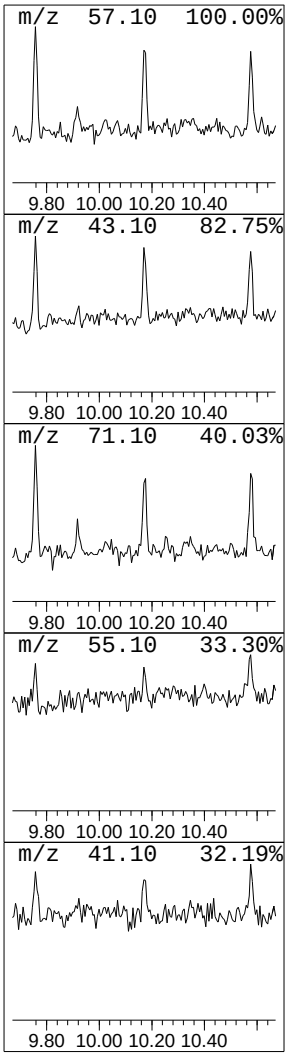
****

Peak Number 11 Octadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.169	10.50 ppm	324054	Chrysene-d12	11.099

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	76
2	Heptadecane	240	C17H36	000629-78-7	76
3	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	72
4	Octadecane	254	C18H38	000593-45-3	70
5	Hexadecane	226	C16H34	000544-76-3	70





Library Search Compound Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32901.D
Acq On : 21 Aug 2013 8:17 pm
Operator : kristinr
Sample : MC23630-1
Misc : OP34472,MSR1200,20.12,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

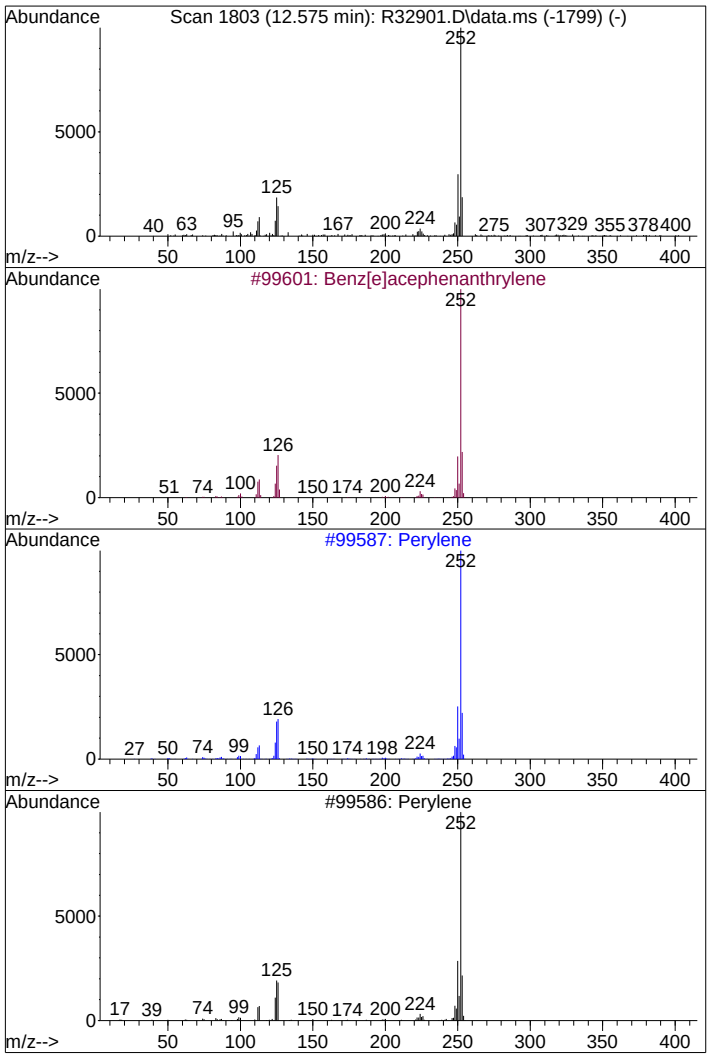
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

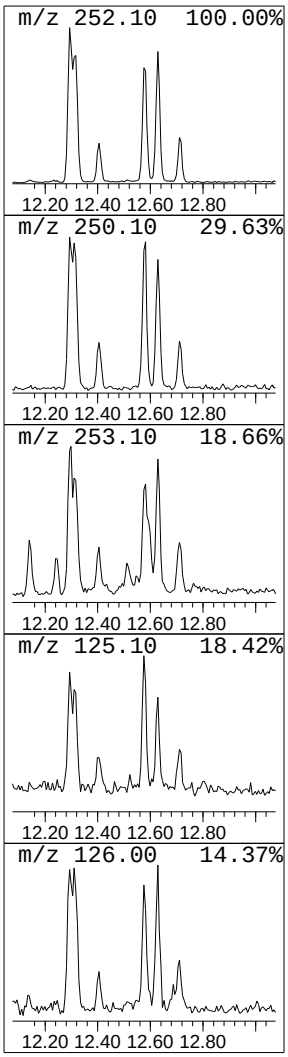
****

Peak Number 12 Benz[e]acephenanthrylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.575	11.76 ppm	279351	Perylene-d12	12.687

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
2	Perylene	252	C20H12	000198-55-0	93
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[e]pyrene	252	C20H12	000192-97-2	93





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\R130821\
Data File : R32901.D
Acq On : 21 Aug 2013 8:17 pm
Operator : kristinr
Sample : MC23630-1
Misc : OP34472,MSR1200,20.12,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Trichloroethylene	2.017	17.2	ppm	212919	1	4.152	494185	40.0
Naphthalene, 1,...	6.434	10.7	ppm	227673	6	6.734	850932	40.0
Tridecane	7.123	9.4	ppm	199131	7	6.734	850932	40.0
Tetradecane	8.458	8.2	ppm	182688	9	8.134	886318	40.0
1H-Cyclopropa[l...	8.693	7.4	ppm	163128	9	8.134	886318	40.0
Pentadecane	8.899	10.7	ppm	237725	9	8.134	886318	40.0
Heptadecane	9.334	7.7	ppm	170594	9	8.134	886318	40.0
Octadecane	10.169	10.5	ppm	324054	10	11.099	1234700	40.0
Benz[e]acephena...	12.575	11.8	ppm	279351	11	12.687	950454	40.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32873.D
Acq On : 21 Aug 2013 8:33 am
Operator : kristinr
Sample : OP34472-MB
Misc : OP34472,MSR1199,20.64,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 10:40:26 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

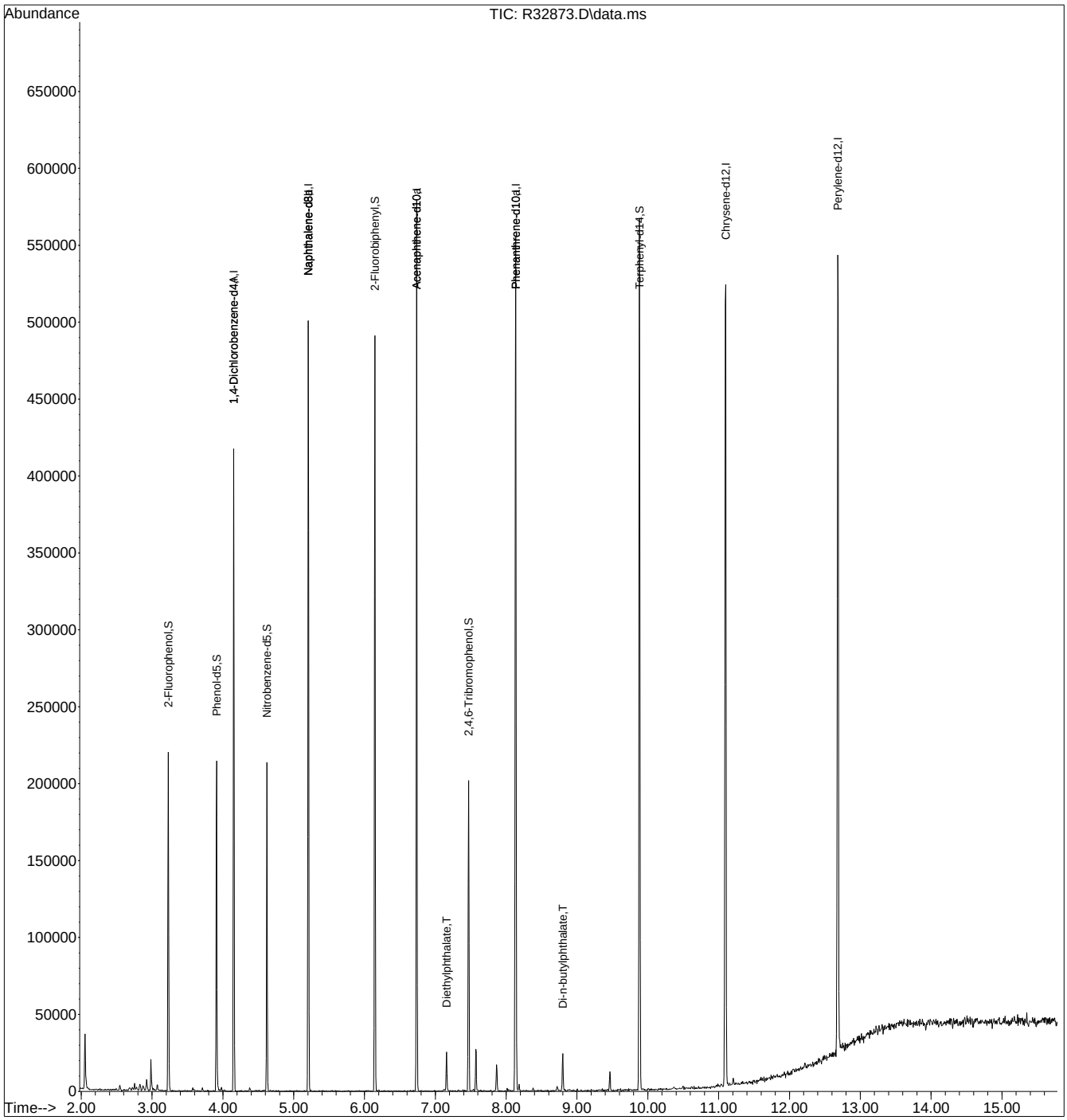
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	50463	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	50463	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	186459	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	186459	40.00	ppm	#-0.08
43) Acenaphthene-d10	6.735	164	113262	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.735	164	113262	40.00	ppm	-0.08
67) Phenanthrene-d10	8.135	188	194575	40.00	ppm	-0.09
80) Phenanthrene-d10a	8.135	188	194575	40.00	ppm	-0.09
82) Chrysene-d12	11.099	240	221203	40.00	ppm	-0.10
92) Perylene-d12	12.681	264	206001	40.00	ppm	-0.11
100) Naphthalene-d8b	5.205	136	186459	40.00	ug/mL	#-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.229	112	48430	31.66	ppm	-0.08
Spiked Amount 100.000	Range 30 - 130		Recovery = 31.66%			
7) Phenol-d5	3.911	99	62689	32.36	ppm	-0.05
Spiked Amount 100.000	Range 30 - 130		Recovery = 32.36%			
24) Nitrobenzene-d5	4.623	82	51241	28.76	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 57.52%			
48) 2-Fluorobiphenyl	6.146	172	129621	34.40	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 68.80%			
71) 2,4,6-Tribromophenol	7.470	330	21740	37.29	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 37.29%			
85) Terphenyl-d14	9.882	244	191518	40.45	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 80.90%			
Target Compounds						Qvalue
61) Diethylphthalate	7.158	149	9729	2.83	ppm	95
78) Di-n-butylphthalate	8.799	149	14000	2.41	ppm	95

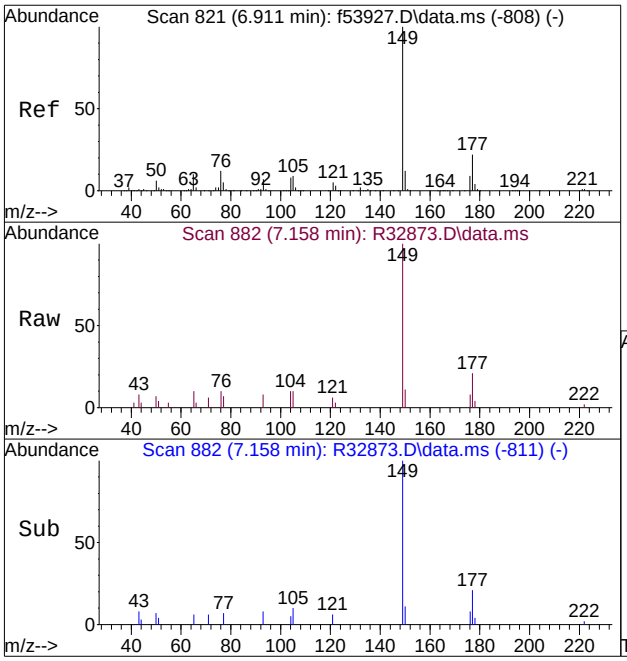
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32873.D
Acq On : 21 Aug 2013 8:33 am
Operator : kristinr
Sample : OP34472-MB
Misc : OP34472,MSR1199,20.64,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 26 10:40:26 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

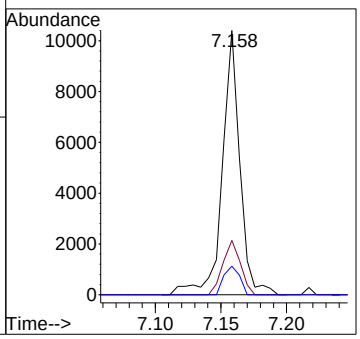


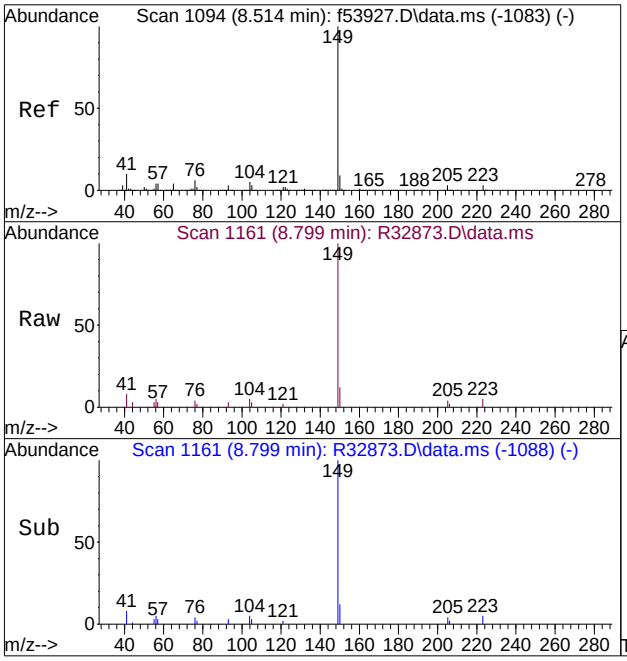


#61
Diethylphthalate
Concen: 2.83 ppm
RT: 7.158 min Scan# 882
Delta R.T. -0.085 min
Lab File: R32873.D
Acq: 21 Aug 2013 8:33 am

Tgt Ion:149 Resp: 9729

Ion	Ratio	Lower	Upper
149	100		
177	20.6	0.0	53.4
150	10.8	0.0	41.8

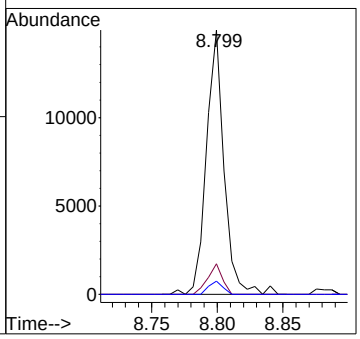




#78
Di-n-butylphthalate
Concen: 2.41 ppm
RT: 8.799 min Scan# 1161
Delta R.T. -0.073 min
Lab File: R32873.D
Acq: 21 Aug 2013 8:33 am

Tgt Ion:149 Resp: 14000

Ion	Ratio	Lower	Upper
149	100		
150	11.6	0.0	39.0
104	5.0	0.0	34.5



LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32873.D
Acq On : 21 Aug 2013 8:33 am
Operator : kristinr
Sample : OP34472-MB
Misc : OP34472,MSR1199,20.64,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

Signal : TIC: R32873.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.053	9	14	29	rVB	36308	38886	6.48%	0.799%
2	2.264	45	50	53	rVB2	1115	1148	0.19%	0.024%
3	2.547	93	98	102	rVB	4087	5732	0.96%	0.118%
4	2.606	102	108	112	rBV	1396	2675	0.45%	0.055%
5	2.682	117	121	125	rBV2	1938	3414	0.57%	0.070%
6	2.723	125	128	131	rVV	2223	2723	0.45%	0.056%
7	2.753	131	133	135	rVV	4720	3417	0.57%	0.070%
8	2.782	135	138	142	rVV2	2305	2482	0.41%	0.051%
9	2.829	142	146	149	rVB	4344	5054	0.84%	0.104%
10	2.870	149	153	158	rBV3	3214	4368	0.73%	0.090%
11	2.923	158	162	167	rVB2	7575	7917	1.32%	0.163%
12	2.982	167	172	177	rBV	20568	19363	3.23%	0.398%
13	3.076	183	188	194	rBV	3699	3950	0.66%	0.081%
14	3.229	206	214	222	rVB	220556	171092	28.51%	3.517%
15	3.576	268	273	282	rBV	2440	4098	0.68%	0.084%
16	3.711	291	296	302	rBB	2474	2694	0.45%	0.055%
17	3.911	326	330	339	rBV	214829	180371	30.06%	3.708%
18	3.982	339	342	345	rVB	2708	2478	0.41%	0.051%
19	4.023	345	349	351	rBB	1073	1137	0.19%	0.023%
20	4.152	366	371	377	rBB	417800	303619	50.60%	6.241%
21	4.376	404	409	415	rBB2	2482	2853	0.48%	0.059%
22	4.623	436	451	456	rBV	213805	163226	27.20%	3.355%
23	5.205	545	550	555	rVB	501069	387033	64.50%	7.956%
24	6.146	702	710	716	rBB	491383	362468	60.41%	7.451%
25	6.735	804	810	817	rBB	579324	469425	78.24%	9.649%
26	7.123	871	876	878	rBV	1412	1797	0.30%	0.037%
27	7.158	878	882	890	rVB	25485	20396	3.40%	0.419%
28	7.323	907	910	916	rBV2	932	1337	0.22%	0.027%
29	7.388	916	921	923	rVB	1168	1178	0.20%	0.024%
30	7.470	928	935	941	rBV	202058	167030	27.84%	3.433%
31	7.541	942	947	949	rVB2	1626	1913	0.32%	0.039%
32	7.570	949	952	960	rBB	27520	26976	4.50%	0.554%
33	7.641	960	964	968	rBB	989	1166	0.19%	0.024%
34	7.864	998	1002	1009	rVB	17337	16307	2.72%	0.335%
35	8.011	1025	1027	1030	rBV	2065	1889	0.31%	0.039%
36	8.135	1043	1048	1053	rBV	555548	500019	83.33%	10.278%
37	8.182	1053	1056	1061	rVB	4422	3286	0.55%	0.068%
38	8.382	1086	1090	1093	rVB	1898	1401	0.23%	0.029%
39	8.717	1140	1147	1151	rBV3	3330	5049	0.84%	0.104%
40	8.799	1155	1161	1171	rVB	24343	21954	3.66%	0.451%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32873.D
Acq On : 21 Aug 2013 8:33 am
Operator : kristinr
Sample : OP34472-MB
Misc : OP34472,MSR1199,20.64,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

41	8.899	1175	1178	1182	rVB	897	1200	0.20%	0.025%
42	9.005	1192	1196	1200	rBV	1652	1641	0.27%	0.034%
43	9.058	1200	1205	1208	rVB	1117	1308	0.22%	0.027%
44	9.105	1208	1213	1219	rBB	734	1752	0.29%	0.036%
45	9.223	1231	1233	1238	rVB2	740	1323	0.22%	0.027%
46	9.317	1244	1249	1254	rBV2	874	2087	0.35%	0.043%
47	9.358	1254	1256	1261	rVB	1531	1457	0.24%	0.030%
48	9.423	1266	1267	1271	rBV	1167	1306	0.22%	0.027%
49	9.464	1271	1274	1280	rVB	12571	12152	2.03%	0.250%
50	9.676	1307	1310	1314	rBV	1127	1330	0.22%	0.027%
51	9.752	1320	1323	1329	rBV2	996	1993	0.33%	0.041%
52	9.882	1338	1345	1351	rBV	566979	536974	89.49%	11.038%
53	9.929	1351	1353	1356	rVB	1125	1268	0.21%	0.026%
54	10.005	1361	1366	1369	rBV2	1634	2353	0.39%	0.048%
55	10.111	1382	1384	1389	rVB2	1040	1481	0.25%	0.030%
56	10.211	1400	1401	1407	rBV2	1282	2285	0.38%	0.047%
57	10.370	1419	1428	1435	rBV4	1621	3710	0.62%	0.076%
58	10.499	1446	1450	1452	rVB3	2479	2788	0.46%	0.057%
59	10.540	1455	1457	1461	rBV	1215	1658	0.28%	0.034%
60	10.617	1468	1470	1473	rBV2	1483	1723	0.29%	0.035%
61	10.717	1484	1487	1489	rVB	1526	1131	0.19%	0.023%
62	10.776	1493	1497	1500	rBV3	911	1154	0.19%	0.024%
63	10.834	1505	1507	1516	rVB3	1400	2672	0.45%	0.055%
64	10.899	1516	1518	1521	rBV2	1460	1878	0.31%	0.039%
65	10.923	1521	1522	1526	rVB3	1094	1210	0.20%	0.025%
66	10.970	1526	1530	1531	rBV2	1885	2172	0.36%	0.045%
67	10.987	1531	1533	1538	rVB3	2163	2275	0.38%	0.047%
68	11.040	1538	1542	1546	rBV2	1942	2871	0.48%	0.059%
69	11.099	1546	1552	1559	rBV	521710	587385	97.90%	12.074%
70	11.205	1567	1570	1573	rVB2	4283	3827	0.64%	0.079%
71	11.323	1586	1590	1591	rBV3	1895	1644	0.27%	0.034%
72	11.340	1592	1593	1596	rVV3	2204	1437	0.24%	0.030%
73	11.393	1597	1602	1604	rVB5	1743	2202	0.37%	0.045%
74	11.434	1605	1609	1612	rVB5	1826	2391	0.40%	0.049%
75	11.487	1617	1618	1623	rBV3	2981	4508	0.75%	0.093%
76	11.534	1623	1626	1627	rVB2	2400	2045	0.34%	0.042%
77	11.552	1627	1629	1630	rBV2	2347	2025	0.34%	0.042%
78	11.599	1632	1637	1642	rVV7	3512	5990	1.00%	0.123%
79	11.640	1642	1644	1646	rVB3	3507	2315	0.39%	0.048%
80	11.664	1646	1648	1649	rBV3	2541	1970	0.33%	0.040%
81	11.681	1650	1651	1653	rVV2	1892	1180	0.20%	0.024%
82	11.717	1653	1657	1660	rVB5	1735	2896	0.48%	0.060%
83	11.740	1660	1661	1665	rBV4	3259	3112	0.52%	0.064%
84	11.776	1665	1667	1673	rBV6	2419	4392	0.73%	0.090%
85	11.828	1673	1676	1680	rVV5	1971	2537	0.42%	0.052%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32873.D
Acq On : 21 Aug 2013 8:33 am
Operator : kristinr
Sample : OP34472-MB
Misc : OP34472,MSR1199,20.64,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

86	11.893	1685	1687	1689	rBV4	1887	1898	0.32%	0.039%
87	11.928	1691	1693	1696	rVB3	3954	4247	0.71%	0.087%
88	11.976	1696	1701	1705	rBV6	4534	9132	1.52%	0.188%
89	12.023	1708	1709	1711	rBV2	2807	1835	0.31%	0.038%
90	12.052	1711	1714	1719	rVV7	3507	7201	1.20%	0.148%
91	12.128	1719	1727	1729	rVV7	2571	5938	0.99%	0.122%
92	12.158	1729	1732	1735	rBV5	2983	3453	0.58%	0.071%
93	12.217	1740	1742	1747	rVB5	3520	4332	0.72%	0.089%
94	12.293	1748	1755	1758	rBV8	2456	6384	1.06%	0.131%
95	12.411	1773	1775	1782	rVB7	3997	6797	1.13%	0.140%
96	12.493	1782	1789	1791	rBV7	5906	12604	2.10%	0.259%
97	12.681	1815	1821	1832	rBV	520634	600014	100.00%	12.333%
98	13.264	1918	1920	1924	rBV5	4412	4498	0.75%	0.092%
99	14.317	2097	2099	2123	rBV5	6951	35489	5.91%	0.729%
100	14.475	2123	2126	2129	rBV5	6472	8789	1.46%	0.181%

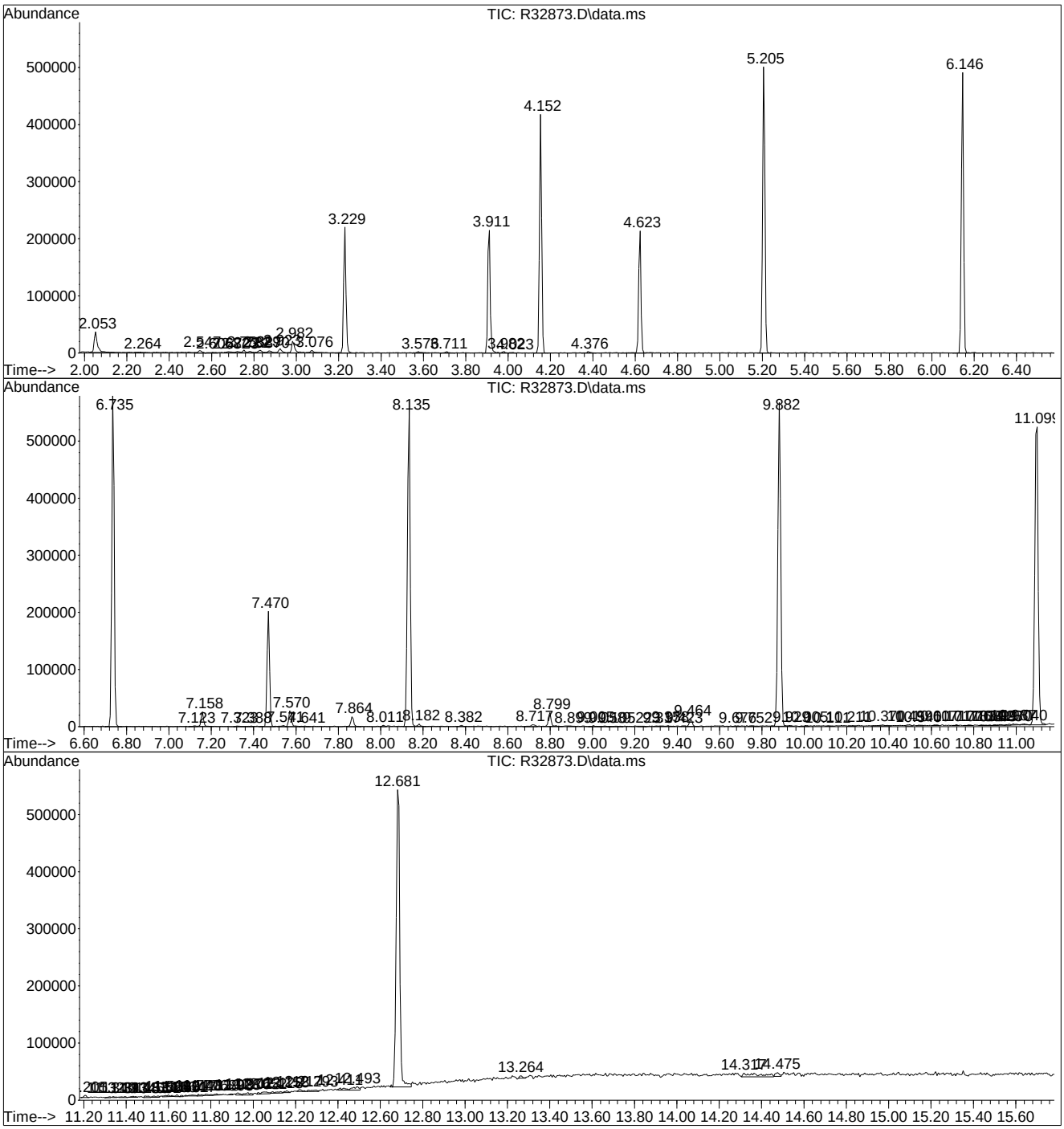
Sum of corrected areas: 4864940

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\R130821\
Data File : R32873.D
Acq On : 21 Aug 2013 8:33 am
Operator : kristinr
Sample : OP34472-MB
Misc : OP34472,MSR1199,20.64,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\R130821\
Data File : R32873.D
Acq On : 21 Aug 2013 8:33 am
Operator : kristinr
Sample : OP34472-MB
Misc : OP34472,MSR1199,20.64,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

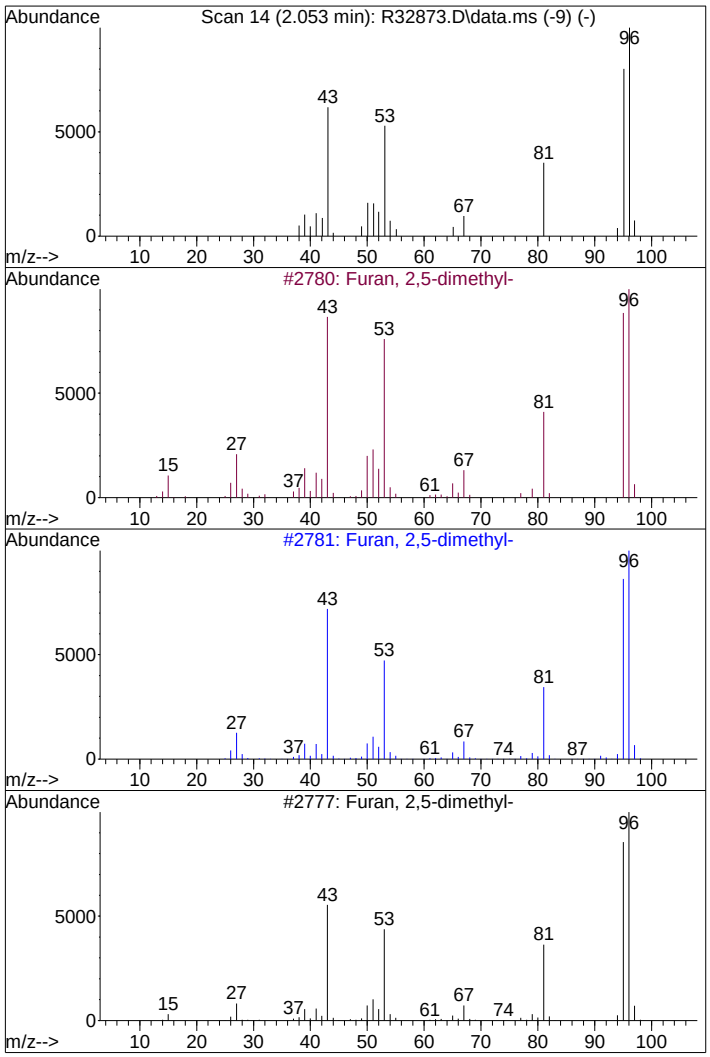
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

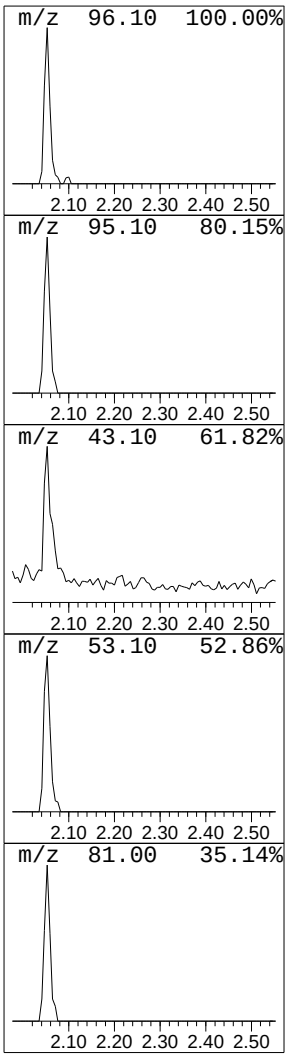
****

Peak Number 1 Furan, 2,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.053	5.12 ppm	38886	1,4-Dichlorobenzene-d4A	4.152

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	95
2	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	91
3	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	91
4	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	78
5	Furan, 2,4-dimethyl-	96	C6H8O	003710-43-8	72





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\R130821\
Data File : R32873.D
Acq On : 21 Aug 2013 8:33 am
Operator : kristinr
Sample : OP34472-MB
Misc : OP34472,MSR1199,20.64,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Furan, 2,5-dime...	2.053	5.1	ppm	38886	1	4.152	303619	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 08/26/13 14:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32874.D
Acq On : 21 Aug 2013 8:55 am
Operator : kristinr
Sample : OP34472-BS
Misc : OP34472,MSR1199,20.10,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 11:12:16 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	52818	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	52818	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	187072	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	187072	40.00	ppm	#-0.08
43) Acenaphthene-d10	6.735	164	114245	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.735	164	114245	40.00	ppm	-0.08
67) Phenanthrene-d10	8.135	188	193981	40.00	ppm	-0.09
80) Phenanthrene-d10a	8.135	188	193981	40.00	ppm	-0.09
82) Chrysene-d12	11.099	240	221844	40.00	ppm	-0.10
92) Perylene-d12	12.687	264	206539	40.00	ppm	-0.10
100) Naphthalene-d8b	5.205	136	187072	40.00	ug/mL	#-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.229	112	52570	32.83	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 32.83%			
7) Phenol-d5	3.911	99	68358	33.72	ppm	-0.05
Spiked Amount 100.000	Range 30 - 130		Recovery = 33.72%			
24) Nitrobenzene-d5	4.623	82	57529	32.18	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 64.36%			
48) 2-Fluorobiphenyl	6.146	172	136699	35.97	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 71.94%			
71) 2,4,6-Tribromophenol	7.470	330	21369	36.76	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.76%			
85) Terphenyl-d14	9.881	244	171431	36.10	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 72.20%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.294	74	33951	32.70	ug/l	# 70
3) Pyridine	2.311	79	51617	27.34	ppm	81
4) Aniline	3.929	93	65378	27.18	ppm	# 1
6) bis(2-Chloroethyl)ether	3.964	63	44908	39.31	ppm	81
8) Phenol	3.917	94	77968	38.65	ppm	95
9) 2-Chlorophenol	4.023	128	61958	36.45	ppm	99
10) 1,3-Dichlorobenzene	4.129	146	69418	36.11	ppm	98
11) 1,4-Dichlorobenzene	4.164	146	73040	36.52	ppm	95
12) 1,2-Dichlorobenzene	4.317	146	69584	38.85	ppm	100
13) Benzyl alcohol	4.276	108	37992	34.76	ppm	91
14) bis(2-chloroisopropyl)...	4.399	45	94175	48.28	ppm	80
15) o-cresol	4.388	108	52405	35.84	ppm	81
16) Acetophenone	4.494	105	84719	35.10	ppm	89
17) Hexachloroethane	4.564	117	26292	35.24	ppm	97
18) N-Nitroso-di-n-propyla...	4.511	70	41015	36.17	ppm	80
19) m+p-cresols	4.505	108	113276	70.73	ppm	100
20) 4-methylphenol	4.505	108	113276	70.74	ppm	100
22) Benzaldehyde	3.823	77	19202m	14.74	ppm	
25) Nitrobenzene	4.635	77	61717	34.19	ppm	93
26) Isophorone	4.823	82	110751	36.85	ppm	96
27) 2-Nitrophenol	4.905	139	32108	37.35	ppm	97
28) 2,4-Dimethylphenol	4.935	107	57000	35.77	ppm	100
29) bis(2-Chloroethoxy)met...	5.005	93	69970	38.60	ppm	96
30) Benzoic acid	5.023	105	41732	36.39	ppm	92
31) 2,4-Dichlorophenol	5.105	162	55522	39.55	ppm	98
32) 1,2,4-Trichlorobenzene	5.170	180	64233	41.11	ppm	97
33) Naphthalene	5.223	128	258987	53.07	ppm	99
34) 2,6-Dichlorophenol	5.299	162	53595	38.53	ppm	94
35) 4-Chloroaniline	5.288	127	69761	34.43	ppm	100
36) Hexachlorobutadiene	5.376	225	37889	38.88	ppm	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32874.D
Acq On : 21 Aug 2013 8:55 am
Operator : kristinr
Sample : OP34472-BS
Misc : OP34472,MSR1199,20.10,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 11:12:16 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

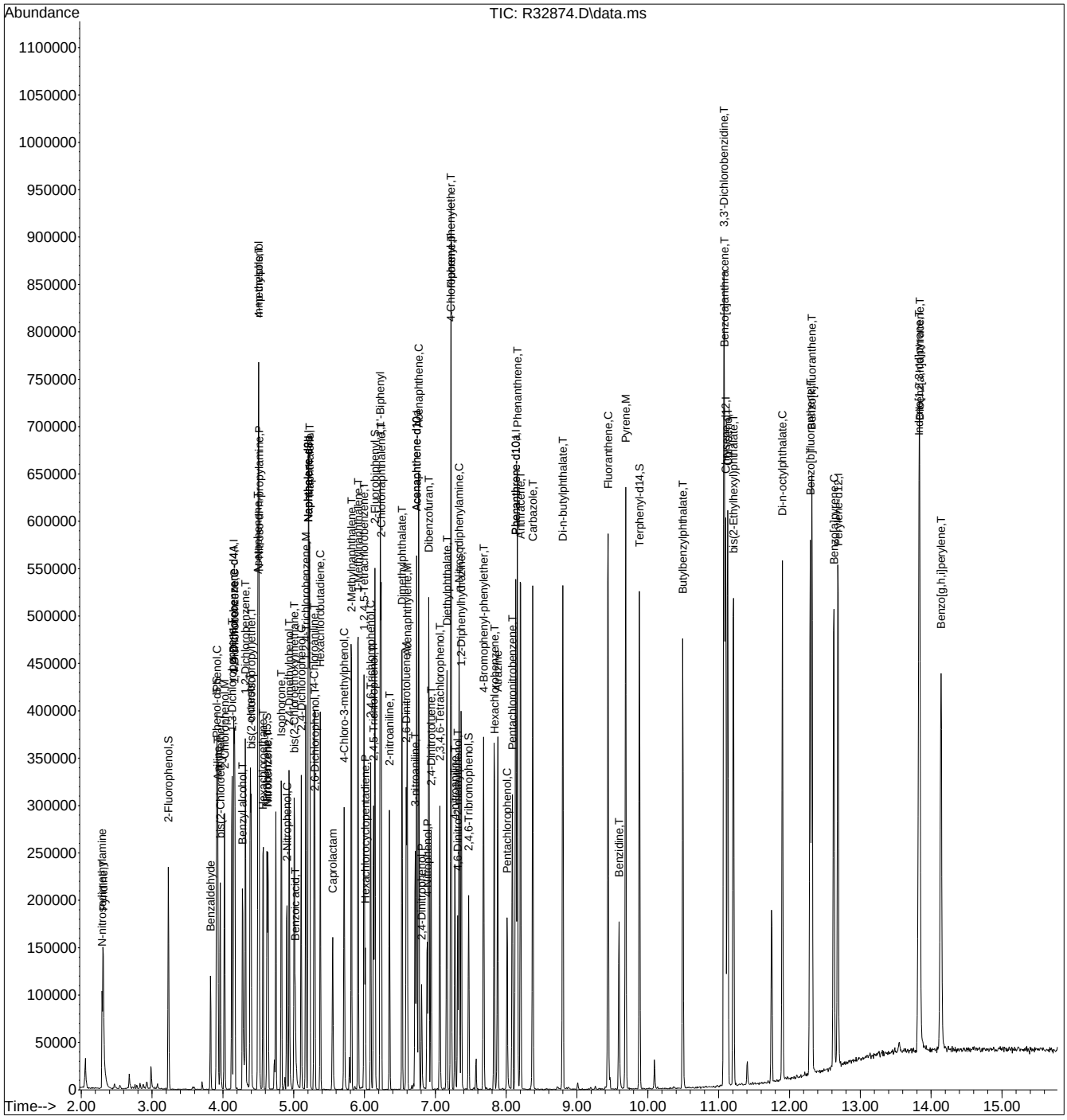
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Chloro-3-methylphenol	5.711	107	50642	37.38	ppm		97
38) 2-Methylnaphthalene	5.817	142	123099	35.95	ppm		99
39) 1-Methylnaphthalene	5.911	142	120706	36.29	ppm		97
40) 1,2,4,5-Tetrachloroben...	5.993	216	67941	37.52	ppm		98
42) Caprolactam	5.552	55	29276m	40.20	ppm		
44) Pentachloronitrobenzene	8.087	237	19412	40.00	ppm		93
45) Hexachlorocyclopentadiene	6.011	237	19014	17.00	ppm		98
46) 2,4,6-Trichlorophenol	6.088	196	41569	39.21	ppm		96
47) 2,4,5-Trichlorophenol	6.129	196	44944	40.23	ppm		99
49) 2-Chloronaphthalene	6.235	162	125943	41.30	ppm		99
50) Acenaphthylene	6.605	152	166445	33.54	ppm		99
51) Dimethylphthalate	6.529	163	153859	44.14	ppm		99
52) 2,4-Dinitrotoluene	6.940	165	45498	43.34	ppm		97
53) Acenaphthene	6.764	153	133071	41.45	ppm		97
54) 2,4-Dinitrophenol	6.805	184	14286	26.21	ppm		83
55) Dibenzofuran	6.905	168	183256	40.31	ppm		98
56) 2,6-Dinitrotoluene	6.588	165	32363	40.71	ppm		84
57) 4-Nitrophenol	6.888	65	23638	34.11	ppm		95
58) 2,3,4,6-Tetrachlorophenol	7.064	232	34845	36.50	ppm		97
59) Fluorene	7.223	166	155788	42.61	ppm		99
60) 4-Chlorophenyl-phenyle...	7.217	204	78108	43.76	ppm		98
61) Diethylphthalate	7.164	149	161732	46.58	ppm		98
62) 2-nitroaniline	6.352	138	41831	43.09	ppm		89
63) 3-nitroaniline	6.717	138	33223	38.43	ppm		96
64) 4-nitroaniline	7.276	138	36082	42.16	ppm		97
66) 1,1'-Biphenyl	6.223	154	157989	37.85	ppm	#	100
68) 4,6-Dinitro-2-methylph...	7.317	198	26230	37.20	ppm		100
69) n-Nitrosodiphenylamine	7.335	169	104537	41.33	ppm		97
70) 1,2-Diphenylhydrazine	7.364	77	134439	40.88	ppm		98
72) 4-Bromophenyl-phenylether	7.682	248	45456	43.42	ppm		96
73) Hexachlorobenzene	7.835	284	49544	41.83	ppm		89
74) Pentachlorophenol	8.011	266	22134	28.82	ppm		97
75) Phenanthrene	8.158	178	233592	44.58	ppm		99
76) Anthracene	8.205	178	228585	42.51	ppm		99
77) Carbazole	8.376	167	217068	45.31	ppm		99
78) Di-n-butylphthalate	8.799	149	269713	46.50	ppm		100
79) Fluoranthene	9.440	202	260143	47.04	ppm		99
81) Atrazine	7.882	200	40492m	42.68	ppm		
83) Benzidine	9.593	184	73406	36.13	ppm		99
84) Pyrene	9.687	202	273324	43.11	ppm		99
87) Butylbenzylphthalate	10.493	149	117653	44.86	ppm		98
88) 3,3'-Dichlorobenzidine	11.076	252	84095	36.49	ppm		99
89) Benzo[a]anthracene	11.081	228	262040	45.69	ppm		99
90) Chrysene	11.128	228	244225	42.82	ppm		99
91) bis(2-Ethylhexyl)phtha...	11.211	149	173754	44.51	ppm		97
93) Di-n-octylphthalate	11.899	149	291566	47.80	ppm		100
94) Benzo[b]fluoranthene	12.293	252	269322	45.50	ppm		97
95) Benzo[k]fluoranthene	12.317	252	258041	44.74	ppm		98
96) Benzo[a]pyrene	12.628	252	215713	41.35	ppm		97
97) Indeno[1,2,3-cd]pyrene	13.828	276	288748	44.34	ppm		91
98) Dibenz[a,h]anthracene	13.840	278	231184m	43.97	ppm		
99) Benzo[g,h,i]perylene	14.140	276	244754	45.26	ppm		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32874.D
Acq On : 21 Aug 2013 8:55 am
Operator : kristinr
Sample : OP34472-BS
Misc : OP34472,MSR1199,20.10,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 11:12:16 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 08/26/13 14:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32875.D
Acq On : 21 Aug 2013 9:17 am
Operator : kristinr
Sample : OP34472-BSD
Misc : OP34472,MSR1199,20.97,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 11:19:23 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	52560	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	52560	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	194560	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	194560	40.00	ppm	#-0.08
43) Acenaphthene-d10	6.735	164	118355	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.735	164	118355	40.00	ppm	-0.08
67) Phenanthrene-d10	8.134	188	200234	40.00	ppm	-0.09
80) Phenanthrene-d10a	8.134	188	200234	40.00	ppm	-0.09
82) Chrysene-d12	11.099	240	225405	40.00	ppm	-0.10
92) Perylene-d12	12.687	264	213179	40.00	ppm	-0.10
100) Naphthalene-d8b	5.205	136	194560	40.00	ug/mL	#-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.229	112	48270	30.29	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 30.29%			
7) Phenol-d5	3.911	99	62547	31.00	ppm	-0.05
Spiked Amount 100.000	Range 30 - 130		Recovery = 31.00%			
24) Nitrobenzene-d5	4.623	82	53826	28.95	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 57.90%			
48) 2-Fluorobiphenyl	6.146	172	129164	32.81	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 65.62%			
71) 2,4,6-Tribromophenol	7.470	330	19260	32.10	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 32.10%			
85) Terphenyl-d14	9.881	244	166430	34.49	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 68.98%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.294	74	30302	29.33	ug/l	# 73
3) Pyridine	2.305	79	44644	23.76	ppm	75
4) Aniline	3.929	93	58087	24.26	ppm	# 1
6) bis(2-Chloroethyl)ether	3.964	63	39482	34.73	ppm	83
8) Phenol	3.917	94	71892	35.82	ppm	95
9) 2-Chlorophenol	4.023	128	54360	32.14	ppm	98
10) 1,3-Dichlorobenzene	4.129	146	62420	32.63	ppm	100
11) 1,4-Dichlorobenzene	4.164	146	62127	31.22	ppm	98
12) 1,2-Dichlorobenzene	4.317	146	61608	34.56	ppm	97
13) Benzyl alcohol	4.276	108	35188	32.36	ppm	99
14) bis(2-chloroisopropyl)...	4.399	45	85125	43.86	ppm	80
15) o-cresol	4.388	108	48672	33.45	ppm	84
16) Acetophenone	4.494	105	75809	31.56	ppm	91
17) Hexachloroethane	4.564	117	22935	30.90	ppm	97
18) N-Nitroso-di-n-propyla...	4.511	70	37426	33.17	ppm	86
19) m+p-cresols	4.505	108	105506	66.20	ppm	99
20) 4-methylphenol	4.505	108	105506	66.21	ppm	99
22) Benzaldehyde	3.823	77	16995m	13.11	ppm	
25) Nitrobenzene	4.635	77	56991	30.36	ppm	88
26) Isophorone	4.823	82	103230	33.02	ppm	98
27) 2-Nitrophenol	4.905	139	29038	32.48	ppm	97
28) 2,4-Dimethylphenol	4.935	107	53117	32.05	ppm	97
29) bis(2-Chloroethoxy)met...	5.005	93	63564	33.72	ppm	98
30) Benzoic acid	5.017	105	39911	33.85	ppm	96
31) 2,4-Dichlorophenol	5.105	162	49858	34.14	ppm	96
32) 1,2,4-Trichlorobenzene	5.170	180	56448	34.74	ppm	98
33) Naphthalene	5.223	128	230151	45.34	ppm	99
34) 2,6-Dichlorophenol	5.299	162	50001	34.57	ppm	93
35) 4-Chloroaniline	5.288	127	66331	31.48	ppm	100
36) Hexachlorobutadiene	5.376	225	32673	32.23	ppm	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32875.D
Acq On : 21 Aug 2013 9:17 am
Operator : kristinr
Sample : OP34472-BSD
Misc : OP34472,MSR1199,20.97,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 11:19:23 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

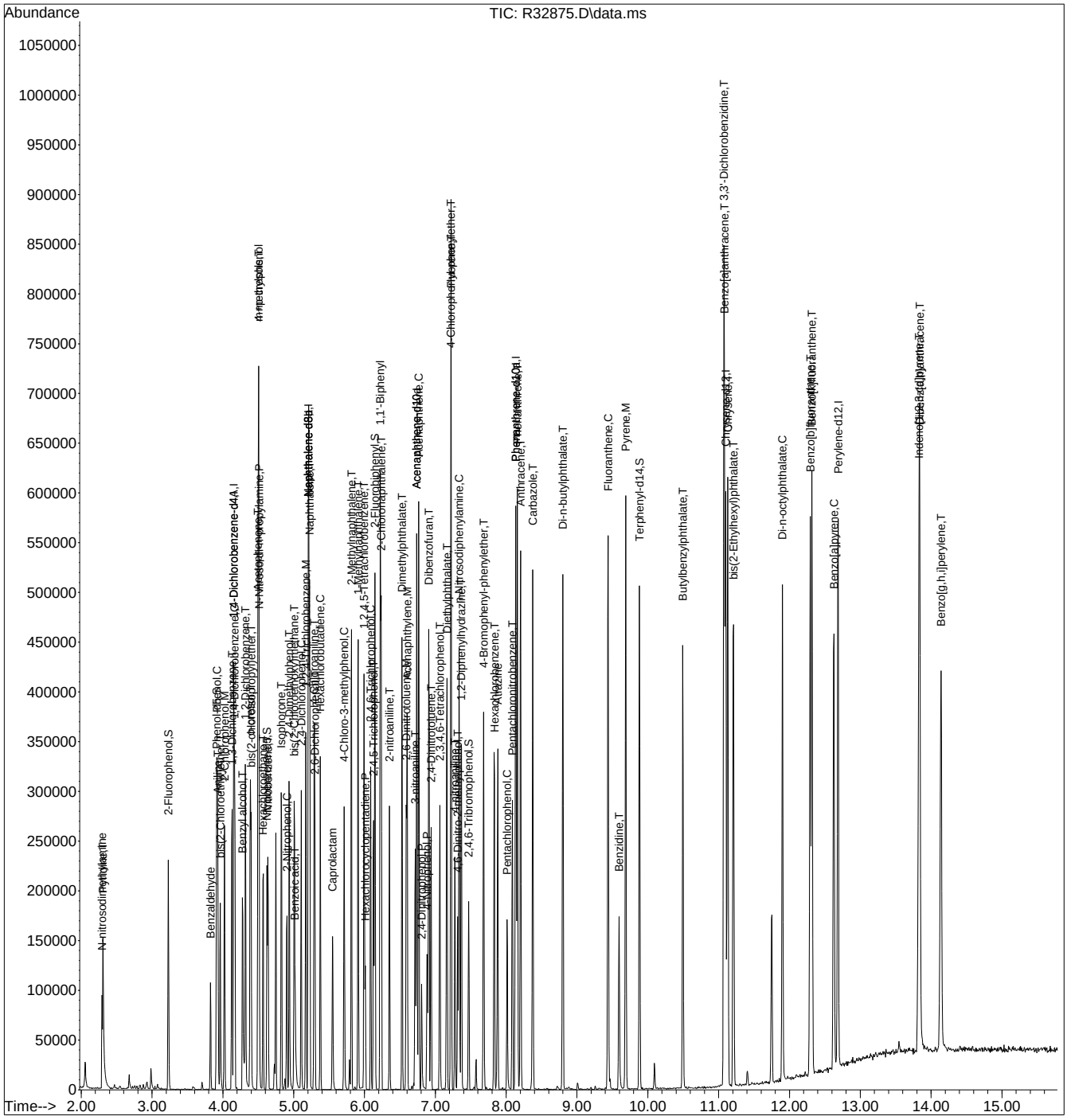
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Chloro-3-methylphenol	5.711	107	46236	32.81	ppm		98
38) 2-Methylnaphthalene	5.817	142	113134	31.77	ppm		97
39) 1-Methylnaphthalene	5.911	142	110242	31.87	ppm		100
40) 1,2,4,5-Tetrachloroben...	5.993	216	62444	33.16	ppm		96
42) Caprolactam	5.546	55	27117m	36.00	ppm		
44) Pentachloronitrobenzene	8.087	237	16404	32.63	ppm		98
45) Hexachlorocyclopentadiene	6.011	237	16269	14.04	ppm		99
46) 2,4,6-Trichlorophenol	6.088	196	39203	35.70	ppm		99
47) 2,4,5-Trichlorophenol	6.129	196	42293	36.54	ppm		95
49) 2-Chloronaphthalene	6.235	162	121762	38.54	ppm		98
50) Acenaphthylene	6.605	152	156623	30.47	ppm		99
51) Dimethylphthalate	6.529	163	144176	39.92	ppm		99
52) 2,4-Dinitrotoluene	6.940	165	43503	40.00	ppm		98
53) Acenaphthene	6.764	153	123718	37.20	ppm		98
54) 2,4-Dinitrophenol	6.805	184	13570	24.03	ppm		83
55) Dibenzofuran	6.905	168	172625	36.65	ppm		94
56) 2,6-Dinitrotoluene	6.587	165	30699	37.27	ppm		95
57) 4-Nitrophenol	6.882	65	22127	30.82	ppm		97
58) 2,3,4,6-Tetrachlorophenol	7.064	232	32118	32.47	ppm		98
59) Fluorene	7.223	166	147629	38.98	ppm		100
60) 4-Chlorophenyl-phenyle...	7.217	204	74112	40.08	ppm		95
61) Diethylphthalate	7.164	149	151680	42.17	ppm		98
62) 2-nitroaniline	6.352	138	38540	38.32	ppm		83
63) 3-nitroaniline	6.717	138	32682	36.50	ppm		92
64) 4-nitroaniline	7.276	138	33164	37.40	ppm		91
66) 1,1'-Biphenyl	6.223	154	149174	34.50	ppm	#	100
68) 4,6-Dinitro-2-methylph...	7.317	198	23896	33.26	ppm		100
69) n-Nitrosodiphenylamine	7.335	169	97223	37.24	ppm		98
70) 1,2-Diphenylhydrazine	7.364	77	125524	36.98	ppm		98
72) 4-Bromophenyl-phenylether	7.682	248	43787	40.52	ppm		96
73) Hexachlorobenzene	7.834	284	46976	38.43	ppm		90
74) Pentachlorophenol	8.011	266	21318	26.89	ppm		93
75) Phenanthrene	8.158	178	219539	40.59	ppm		99
76) Anthracene	8.205	178	217817	39.24	ppm		98
77) Carbazole	8.376	167	206418	41.74	ppm		99
78) Di-n-butylphthalate	8.799	149	257407	42.99	ppm		99
79) Fluoranthene	9.440	202	248858	43.60	ppm		99
81) Atrazine	7.882	200	38719m	39.53	ppm		
83) Benzidine	9.593	184	71006	34.40	ppm		96
84) Pyrene	9.687	202	258042	40.06	ppm		98
87) Butylbenzylphthalate	10.493	149	108247	40.62	ppm		97
88) 3,3'-Dichlorobenzidine	11.075	252	81073	34.73	ppm		98
89) Benzo[a]anthracene	11.081	228	252515	43.33	ppm		100
90) Chrysene	11.128	228	236191	40.76	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.211	149	158763	40.21	ppm		98
93) Di-n-octylphthalate	11.899	149	270664	43.48	ppm		100
94) Benzo[b]fluoranthene	12.293	252	253010	41.41	ppm		98
95) Benzo[k]fluoranthene	12.317	252	235604	39.57	ppm		99
96) Benzo[a]pyrene	12.628	252	202653	37.64	ppm		97
97) Indeno[1,2,3-cd]pyrene	13.828	276	268656	39.97	ppm		94
98) Dibenz[a,h]anthracene	13.840	278	216551	39.90	ppm		99
99) Benzo[g,h,i]perylene	14.140	276	229292	41.08	ppm		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32875.D
Acq On : 21 Aug 2013 9:17 am
Operator : kristinr
Sample : OP34472-BSD
Misc : OP34472,MSR1199,20.97,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 11:19:23 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 08/27/13 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32899.D
Acq On : 21 Aug 2013 7:32 pm
Operator : kristinr
Sample : OP34472-MS
Misc : OP34472,MSR1200,20.36,,,1,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 27 10:10:18 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	59948	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	59948	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	218396	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	218396	40.00	ppm	-0.08
43) Acenaphthene-d10	6.735	164	133004	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.735	164	133004	40.00	ppm	-0.08
67) Phenanthrene-d10	8.135	188	227180m	40.00	ppm	-0.09
80) Phenanthrene-d10a	8.135	188	227180m	40.00	ppm	-0.09
82) Chrysene-d12	11.099	240	252385	40.00	ppm	-0.10
92) Perylene-d12	12.681	264	243313	40.00	ppm	-0.11
100) Naphthalene-d8b	5.205	136	218396	40.00	ug/mL	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.229	112	50833	27.97	ppm	-0.08
Spiked Amount 100.000	Range 30 - 130		Recovery = 27.97%#			
7) Phenol-d5	3.905	99	70366	30.58	ppm	-0.06
Spiked Amount 100.000	Range 30 - 130		Recovery = 30.58%			
24) Nitrobenzene-d5	4.623	82	56991	27.31	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 54.62%			
48) 2-Fluorobiphenyl	6.146	172	152934	34.57	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 69.14%			
71) 2,4,6-Tribromophenol	7.470	330	23321	34.26	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 34.26%			
85) Terphenyl-d14	9.882	244	202048	37.40	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 74.80%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.294	74	29291	24.85	ug/l #	58
3) Pyridine	2.311	79	43260	20.19	ppm	78
4) Aniline	3.929	93	53814	19.71	ppm #	1
6) bis(2-Chloroethyl)ether	3.964	63	41387	31.92	ppm	88
8) Phenol	3.917	94	80342	35.09	ppm	98
9) 2-Chlorophenol	4.023	128	59686	30.94	ppm	98
10) 1,3-Dichlorobenzene	4.129	146	66802	30.61	ppm	99
11) 1,4-Dichlorobenzene	4.164	146	69039	30.42	ppm	97
12) 1,2-Dichlorobenzene	4.317	146	67619	33.26	ppm	100
13) Benzyl alcohol	4.276	108	33913	27.34	ppm	96
14) bis(2-chloroisopropyl)...	4.400	45	91937	41.53	ppm	81
15) o-cresol	4.382	108	55759	33.60	ppm	84
16) Acetophenone	4.494	105	86346	31.52	ppm	88
17) Hexachloroethane	4.564	117	23433	27.68	ppm	94
18) N-Nitroso-di-n-propyla...	4.505	70	43091	33.48	ppm	76
19) m+p-cresols	4.500	108	119887	65.95	ppm	90
20) 4-methylphenol	4.500	108	119887	65.96	ppm	90
22) Benzaldehyde	3.823	77	19602m	13.25	ppm	
25) Nitrobenzene	4.635	77	62062	29.45	ppm	97
26) Isophorone	4.823	82	117785	33.57	ppm	98
27) 2-Nitrophenol	4.905	139	31778	31.66	ppm	97
28) 2,4-Dimethylphenol	4.935	107	60812	32.69	ppm	92
29) bis(2-Chloroethoxy)met...	5.005	93	73278	34.63	ppm	95
30) Benzoic acid	4.994	105	4168m	7.51	ppm	
31) 2,4-Dichlorophenol	5.105	162	59126	36.07	ppm	96
32) 1,2,4-Trichlorobenzene	5.170	180	66036	36.20	ppm	95
33) Naphthalene	5.223	128	299413	52.55	ppm	98
34) 2,6-Dichlorophenol	5.294	162	57768	35.58	ppm	97
35) 4-Chloroaniline	5.288	127	67569	28.57	ppm	100
36) Hexachlorobutadiene	5.376	225	37174	32.67	ppm	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32899.D
Acq On : 21 Aug 2013 7:32 pm
Operator : kristinr
Sample : OP34472-MS
Misc : OP34472,MSR1200,20.36,,,1,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 27 10:10:18 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

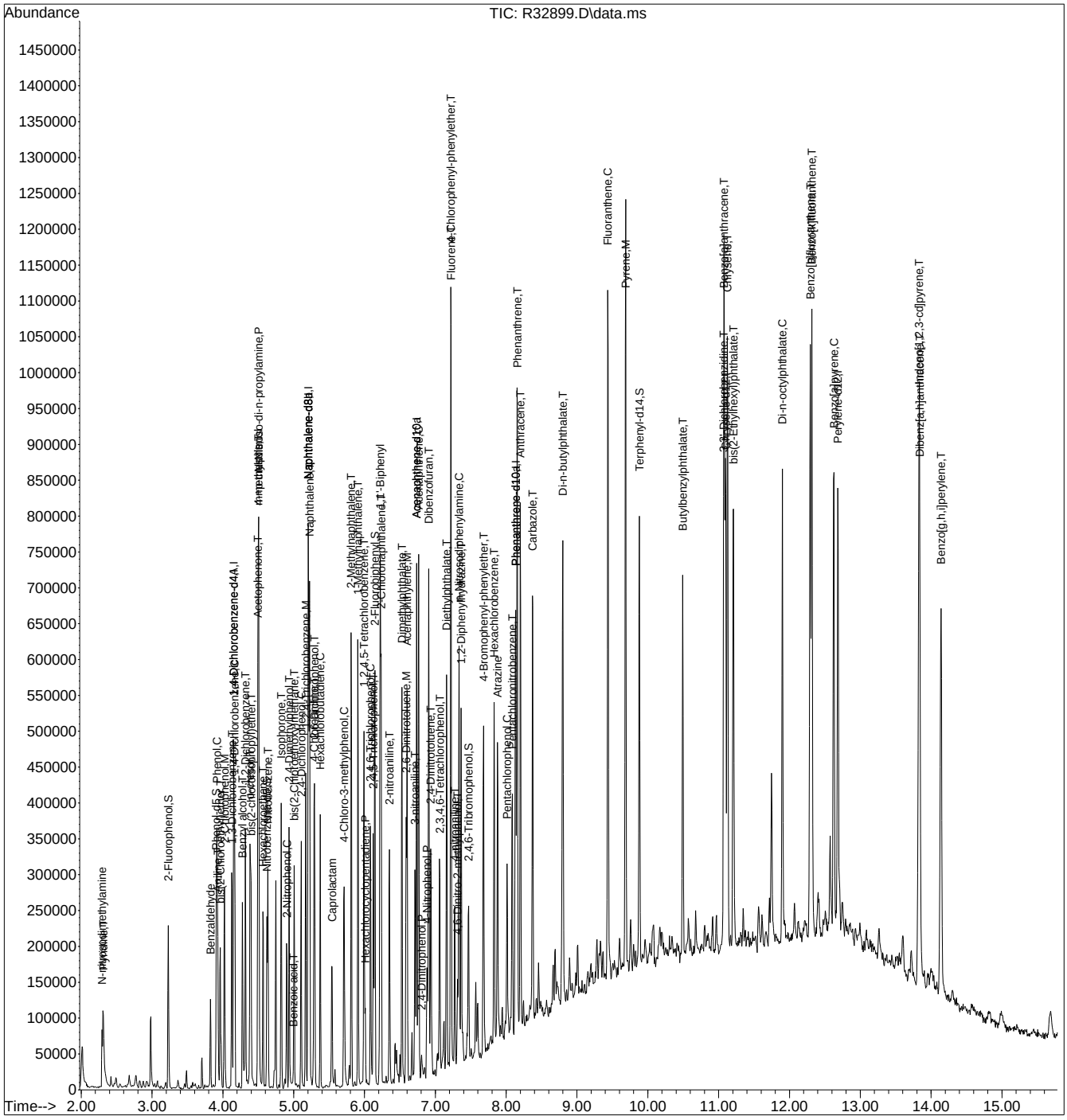
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Chloro-3-methylphenol	5.711	107	56974	36.02	ppm		98
38) 2-Methylnaphthalene	5.811	142	154500	38.65	ppm		99
39) 1-Methylnaphthalene	5.905	142	143865	37.05	ppm		98
40) 1,2,4,5-Tetrachloroben...	5.994	216	77219	36.53	ppm		97
42) Caprolactam	5.541	55	29662m	35.12	ppm		
44) Pentachloronitrobenzene	8.088	237	23390	41.40	ppm		97
45) Hexachlorocyclopentadiene	6.011	237	13857	10.64	ppm		96
46) 2,4,6-Trichlorophenol	6.082	196	46711	37.85	ppm		97
47) 2,4,5-Trichlorophenol	6.123	196	48851	37.56	ppm		97
49) 2-Chloronaphthalene	6.235	162	146828	41.36	ppm		99
50) Acenaphthylene	6.599	152	200611	34.72	ppm		99
51) Dimethylphthalate	6.529	163	177542	43.75	ppm		98
52) 2,4-Dinitrotoluene	6.935	165	52226	42.73	ppm		90
53) Acenaphthene	6.764	153	156141	41.78	ppm		98
54) 2,4-Dinitrophenol	6.805	184	3866	6.09	ppm		91
55) Dibenzofuran	6.905	168	233109	44.04	ppm		97
56) 2,6-Dinitrotoluene	6.588	165	38287	41.37	ppm		99
57) 4-Nitrophenol	6.882	65	25227	31.27	ppm		92
58) 2,3,4,6-Tetrachlorophenol	7.064	232	38485	34.62	ppm		95
59) Fluorene	7.223	166	185854	43.66	ppm		98
60) 4-Chlorophenyl-phenyle...	7.217	204	94032	45.25	ppm		97
61) Diethylphthalate	7.158	149	181693	44.95	ppm		98
62) 2-nitroaniline	6.352	138	50376	44.57	ppm		98
63) 3-nitroaniline	6.711	138	37858	37.62	ppm		95
64) 4-nitroaniline	7.276	138	36468	36.60	ppm		99
66) 1,1'-Biphenyl	6.223	154	185588	38.19	ppm	#	100
68) 4,6-Dinitro-2-methylph...	7.311	198	15042	20.08	ppm		100
69) n-Nitrosodiphenylamine	7.335	169	129213	43.62	ppm		98
70) 1,2-Diphenylhydrazine	7.364	77	153273m	39.79	ppm		
72) 4-Bromophenyl-phenylether	7.682	248	56227	45.86	ppm		92
73) Hexachlorobenzene	7.829	284	58322	42.05	ppm		97
74) Pentachlorophenol	8.011	266	20995	23.34	ppm		96
75) Phenanthrene	8.158	178	370166m	60.32	ppm		
76) Anthracene	8.199	178	286985	45.57	ppm		99
77) Carbazole	8.370	167	267307	47.64	ppm		100
78) Di-n-butylphthalate	8.799	149	322300	47.45	ppm		99
79) Fluoranthene	9.435	202	434773	67.13	ppm		100
81) Atrazine	7.876	200	48839m	43.95	ppm		
84) Pyrene	9.687	202	440747m	61.10	ppm		
87) Butylbenzylphthalate	10.493	149	133907	44.88	ppm		94
88) 3,3'-Dichlorobenzidine	11.070	252	45232	18.33	ppm		96
89) Benzo[a]anthracene	11.076	228	366171	56.12	ppm		98
90) Chrysene	11.123	228	355033	54.72	ppm		99
91) bis(2-Ethylhexyl)phtha...	11.211	149	212388	47.68	ppm		99
93) Di-n-octylphthalate	11.899	149	348405	48.41	ppm		97
94) Benzo[b]fluoranthene	12.293	252	380020	54.49	ppm		99
95) Benzo[k]fluoranthene	12.317	252	315675	46.46	ppm		98
96) Benzo[a]pyrene	12.628	252	285269	46.42	ppm		96
97) Indeno[1,2,3-cd]pyrene	13.828	276	359401m	46.85	ppm		
98) Dibenz[a,h]anthracene	13.840	278	278335m	44.93	ppm		
99) Benzo[g,h,i]perylene	14.140	276	327542m	51.42	ppm		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32899.D
Acq On : 21 Aug 2013 7:32 pm
Operator : kristinr
Sample : OP34472-MS
Misc : OP34472,MSR1200,20.36,,,1,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 27 10:10:18 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 08/27/13 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32900.D
Acq On : 21 Aug 2013 7:54 pm
Operator : kristinr
Sample : OP34472-MSD
Misc : OP34472,MSR1200,20.18,,,1,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 27 10:12:46 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	64299	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	64299	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	239953	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	239953	40.00	ppm	-0.08
43) Acenaphthene-d10	6.734	164	147235	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.734	164	147235	40.00	ppm	-0.08
67) Phenanthrene-d10	8.134	188	254881	40.00	ppm	-0.09
80) Phenanthrene-d10a	8.134	188	254881	40.00	ppm	#-0.09
82) Chrysene-d12	11.099	240	276992m	40.00	ppm	-0.10
92) Perylene-d12	12.687	264	264154m	40.00	ppm	-0.10
100) Naphthalene-d8b	5.205	136	239953	40.00	ug/mL	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.229	112	50013	25.66	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 25.66%#			
7) Phenol-d5	3.905	99	71505	28.97	ppm	-0.06
Spiked Amount 100.000	Range 30 - 130		Recovery = 28.97%#			
24) Nitrobenzene-d5	4.623	82	56460	24.62	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 49.24%			
48) 2-Fluorobiphenyl	6.146	172	163534	33.39	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 66.78%			
71) 2,4,6-Tribromophenol	7.470	330	27558	36.08	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.08%			
85) Terphenyl-d14	9.881	244	239917	40.46	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 80.92%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.293	74	30286	23.96	ug/l #	63
3) Pyridine	2.311	79	43691	19.01	ppm	82
4) Aniline	3.929	93	56194	19.19	ppm #	1
6) bis(2-Chloroethyl)ether	3.964	63	44187	31.78	ppm	84
8) Phenol	3.917	94	83039	33.82	ppm	93
9) 2-Chlorophenol	4.023	128	63576	30.72	ppm	99
10) 1,3-Dichlorobenzene	4.129	146	68179	29.13	ppm	98
11) 1,4-Dichlorobenzene	4.164	146	70926	29.13	ppm	94
12) 1,2-Dichlorobenzene	4.317	146	67736	31.06	ppm	97
13) Benzyl alcohol	4.276	108	42023	31.59	ppm	97
14) bis(2-chloroisopropyl)...	4.399	45	95998	40.43	ppm	79
15) o-cresol	4.382	108	61689	34.66	ppm	85
16) Acetophenone	4.493	105	87810	29.89	ppm	89
17) Hexachloroethane	4.564	117	24917	27.44	ppm	96
18) N-Nitroso-di-n-propyla...	4.505	70	46042	33.35	ppm	74
19) m+p-cresols	4.505	108	133756	68.60	ppm	96
20) 4-methylphenol	4.505	108	133756	68.61	ppm	96
22) Benzaldehyde	3.823	77	20542m	12.95	ppm	
25) Nitrobenzene	4.635	77	66636	28.78	ppm	92
26) Isophorone	4.823	82	131917	34.22	ppm	99
27) 2-Nitrophenol	4.899	139	33065	29.98	ppm	94
28) 2,4-Dimethylphenol	4.934	107	69261	33.89	ppm	97
29) bis(2-Chloroethoxy)met...	5.005	93	77216	33.21	ppm	98
30) Benzoic acid	4.934	105	2355m	6.20	ppm	
31) 2,4-Dichlorophenol	5.105	162	68750	38.18	ppm	98
32) 1,2,4-Trichlorobenzene	5.170	180	66292	33.08	ppm	98
33) Naphthalene	5.223	128	336660	53.78	ppm	99
34) 2,6-Dichlorophenol	5.293	162	60697	34.02	ppm	99
35) 4-Chloroaniline	5.287	127	74063	28.50	ppm	100
36) Hexachlorobutadiene	5.376	225	39525	31.62	ppm	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32900.D
Acq On : 21 Aug 2013 7:54 pm
Operator : kristinr
Sample : OP34472-MSD
Misc : OP34472,MSR1200,20.18,,,1,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 27 10:12:46 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

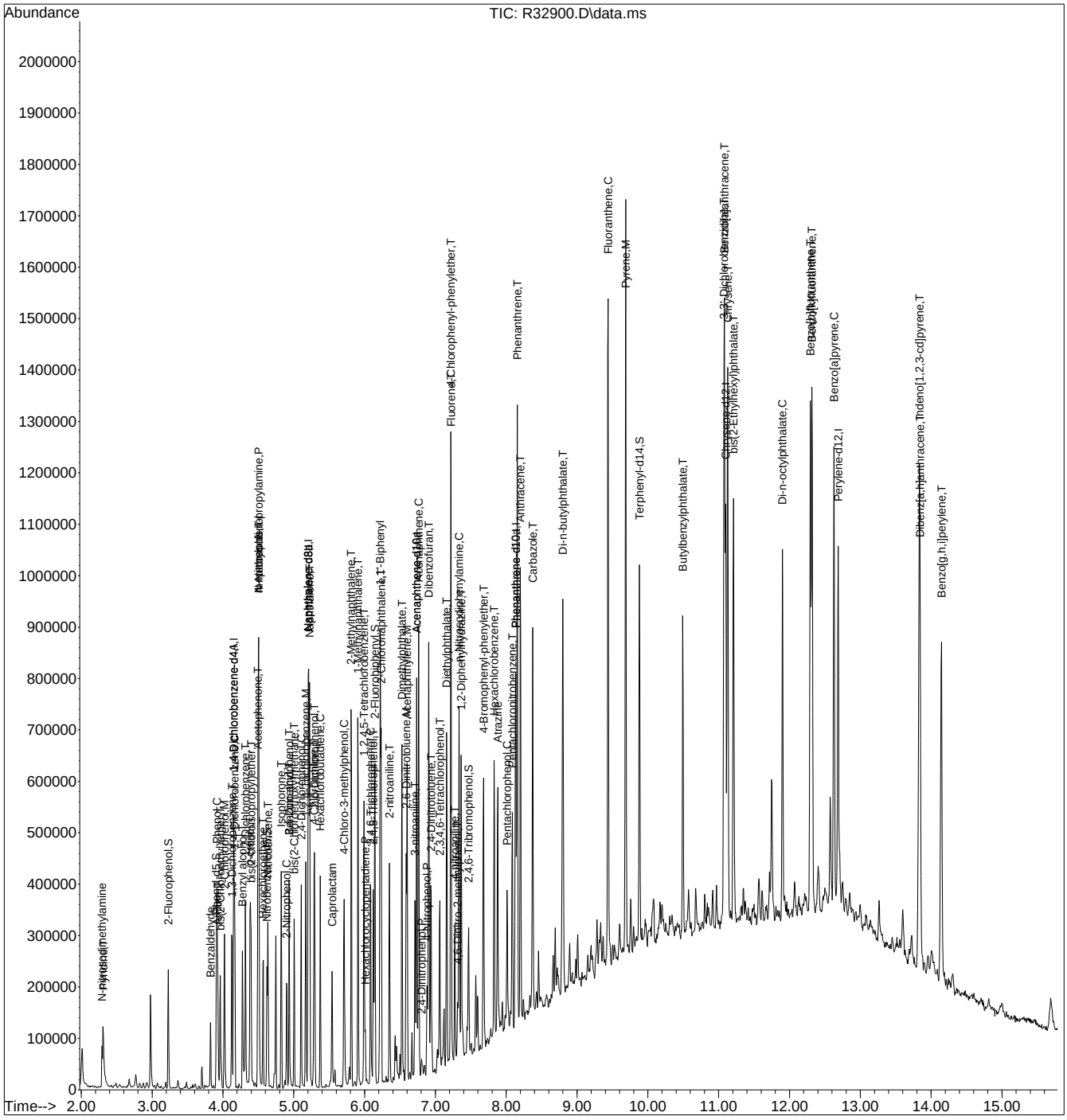
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Chloro-3-methylphenol	5.711	107	68897	39.65	ppm	95
38) 2-Methylnaphthalene	5.811	142	179624	40.90	ppm	99
39) 1-Methylnaphthalene	5.905	142	163718	38.37	ppm	98
40) 1,2,4,5-Tetrachloroben...	5.993	216	84243	36.27	ppm	99
42) Caprolactam	5.540	55	36359m	38.98	ppm	
44) Pentachloronitrobenzene	8.087	237	26778	42.82	ppm	96
45) Hexachlorocyclopentadiene	6.011	237	12769	8.86	ppm	89
46) 2,4,6-Trichlorophenol	6.087	196	53465	39.14	ppm	99
47) 2,4,5-Trichlorophenol	6.123	196	58650	40.74	ppm	99
49) 2-Chloronaphthalene	6.234	162	163039	41.48	ppm	99
50) Acenaphthylene	6.599	152	232493	36.35	ppm	98
51) Dimethylphthalate	6.529	163	210977	46.96	ppm	99
52) 2,4-Dinitrotoluene	6.940	165	63950	47.27	ppm	92
53) Acenaphthene	6.764	153	178005	43.02	ppm	97
54) 2,4-Dinitrophenol	6.805	184	3811	5.42	ppm	75
55) Dibenzofuran	6.905	168	275522	47.03	ppm	95
56) 2,6-Dinitrotoluene	6.587	165	45321	44.24	ppm	100
57) 4-Nitrophenol	6.881	65	31125	34.85	ppm	95
58) 2,3,4,6-Tetrachlorophenol	7.064	232	40442	32.87	ppm	95
59) Fluorene	7.223	166	220518	46.80	ppm	96
60) 4-Chlorophenyl-phenyle...	7.217	204	107052	46.53	ppm	98
61) Diethylphthalate	7.158	149	213419	47.69	ppm	97
62) 2-nitroaniline	6.352	138	58638	46.87	ppm	93
63) 3-nitroaniline	6.711	138	41465	37.22	ppm	93
64) 4-nitroaniline	7.276	138	43506	39.44	ppm	97
66) 1,1'-Biphenyl	6.223	154	210842m	39.20	ppm	
68) 4,6-Dinitro-2-methylph...	7.317	198	14583	17.85	ppm	100
69) n-Nitrosodiphenylamine	7.334	169	144398	43.45	ppm	97
70) 1,2-Diphenylhydrazine	7.364	77	181670	42.04	ppm	98
72) 4-Bromophenyl-phenylether	7.681	248	66413	48.28	ppm	93
73) Hexachlorobenzene	7.828	284	70624	45.38	ppm	97
74) Pentachlorophenol	8.011	266	20372	20.19	ppm	91
75) Phenanthrene	8.158	178	473773	68.81	ppm	99
76) Anthracene	8.199	178	353225	49.99	ppm	99
77) Carbazole	8.375	167	319963	50.83	ppm	99
78) Di-n-butylphthalate	8.799	149	381203	50.02	ppm	99
79) Fluoranthene	9.440	202	577048	79.42	ppm	99
81) Atrazine	7.881	200	60213m	48.30	ppm	
84) Pyrene	9.687	202	573820m	72.48	ppm	
87) Butylbenzylphthalate	10.493	149	163399m	49.90	ppm	
88) 3,3'-Dichlorobenzidine	11.075	252	48628m	18.00	ppm	
89) Benzo[a]anthracene	11.081	228	468197m	65.38	ppm	
90) Chrysene	11.128	228	452749m	63.58	ppm	
91) bis(2-Ethylhexyl)phtha...	11.211	149	254993m	51.99	ppm	
93) Di-n-octylphthalate	11.899	149	408217m	51.86	ppm	
94) Benzo[b]fluoranthene	12.293	252	465232m	61.45	ppm	
95) Benzo[k]fluoranthene	12.316	252	445920m	60.45	ppm	
96) Benzo[a]pyrene	12.628	252	372110m	55.78	ppm	
97) Indeno[1,2,3-cd]pyrene	13.834	276	442336m	53.11	ppm	
98) Dibenz[a,h]anthracene	13.846	278	332342m	49.42	ppm	
99) Benzo[g,h,i]perylene	14.146	276	404285m	58.45	ppm	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32900.D
Acq On : 21 Aug 2013 7:54 pm
Operator : kristinr
Sample : OP34472-MSD
Misc : OP34472,MSR1200,20.18,,,1,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 27 10:12:46 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

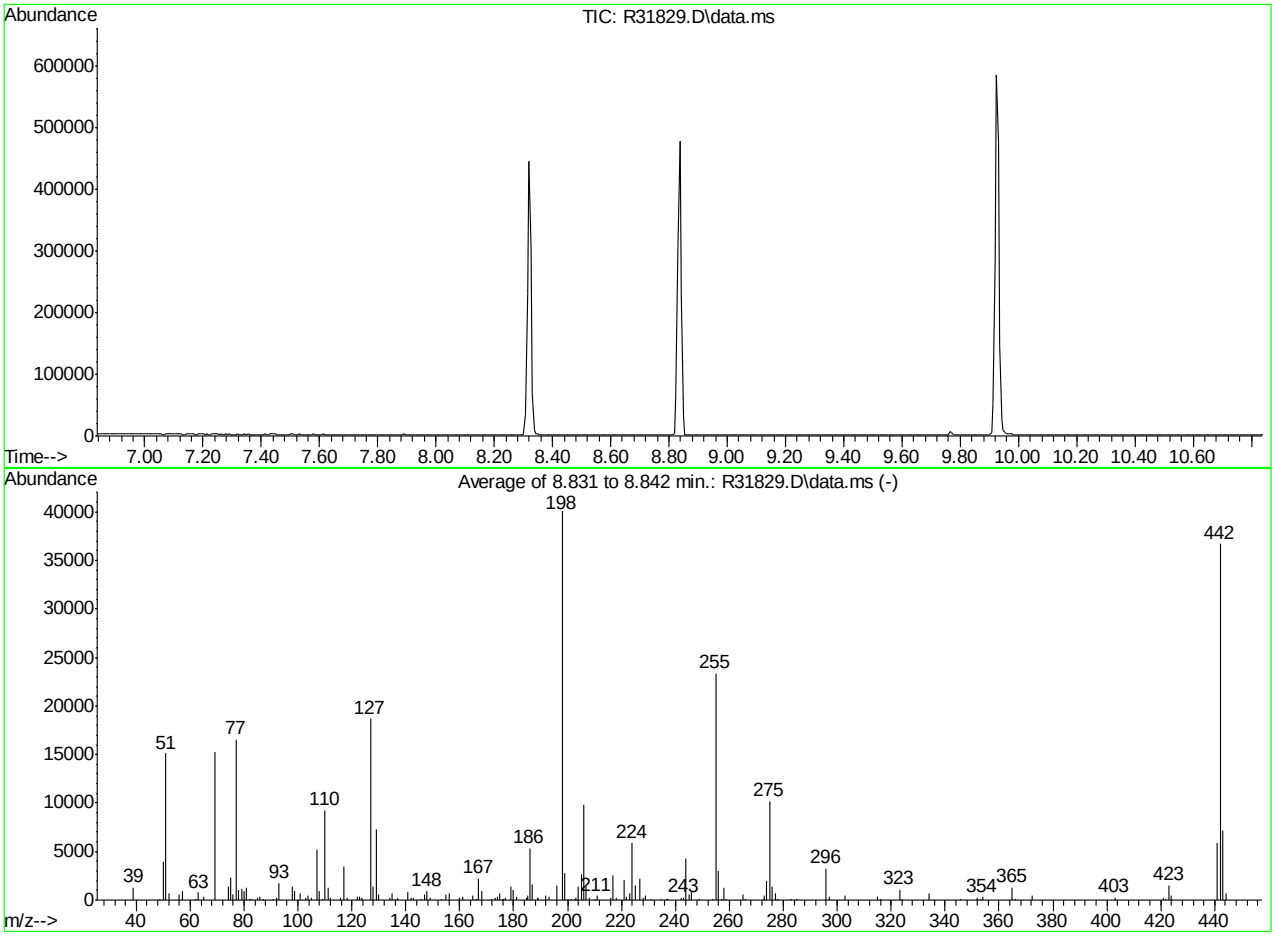


ACCUTEST LABORATORIES MC23630

DFTPP

Data File : C:\msdchem\1\data\R130628\R31829.D Vial: 99
Acq On : 28 Jun 2013 7:25 pm Operator: kristinr
Sample : DFTPP Inst : MSR
Misc : op33699,msr1159,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\2\METHODS\DFTPP.m (RTE Integrator)
Title : DFTPP and Tune Evaluation



Spectrum Information: Average of 8.831 to 8.842 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.7	15081	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	38.1	15275	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	46.7	18690	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	40043	PASS
199	198	5	9	6.8	2731	PASS
275	198	10	30	25.4	10188	PASS
365	198	1	100	3.2	1276	PASS
441	443	0.01	100	81.2	5840	PASS
442	198	40	100	91.6	36685	PASS
443	442	17	23	19.6	7191	PASS

R31829.D DFTPP.m Mon Jul 08 17:11:43 2013

Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
39.05	1310	69.00	15275	83.00	125	103.90	469
39.90	15	74.05	1364	84.85	232	104.95	253
48.90	101	75.05	2357	85.95	324	107.00	5237
50.00	3927	76.00	571	87.00	105	107.95	955
51.05	15081	77.10	16543	90.90	154	109.20	107
52.00	693	78.05	1013	92.05	225	110.00	9249
55.95	591	79.00	1106	92.95	1738	111.00	1323
56.95	934	80.00	876	97.95	1365	112.05	277
62.00	99	80.95	1229	98.90	926	115.95	235
63.00	765	81.90	169	101.00	672	117.00	3481
64.90	319	82.10	85	102.85	208	118.05	267

Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
122.00	382	140.90	858	161.00	320	176.10	124
122.95	355	141.95	229	165.00	454	176.95	278
123.85	237	142.95	238	166.00	107	179.00	1443
127.00	18690	145.90	92	166.20	129	179.95	1037
128.00	1429	146.90	558	167.00	2217	180.95	323
129.00	7300	147.95	942	168.00	972	184.80	190
130.00	541	148.95	231	171.90	85	185.05	515
134.00	227	153.00	110	173.00	208	186.00	5361
135.00	655	155.05	576	173.85	342	187.05	1660
136.10	120	156.05	672	175.00	683	188.90	210
136.95	198	159.95	253	175.90	85	189.10	186

Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
192.00	455	206.10	9769	222.95	673	243.05	259
193.00	375	207.00	1406	224.00	5859	244.00	4258
196.00	1497	208.00	232	225.05	1455	245.00	623
198.00	40043	210.00	130	226.95	2227	245.95	851
198.90	2731	210.95	422	228.05	270	249.00	161
200.00	152	216.05	231	228.95	492	253.80	95
201.30	121	217.00	2552	231.00	91	255.00	23355
202.70	91	218.00	274	234.80	116	256.00	3050
203.00	286	221.00	2085	236.80	114	257.00	142
204.00	1371	221.70	350	237.00	86	257.95	1267
205.00	2672	221.90	95	242.05	234	258.90	88

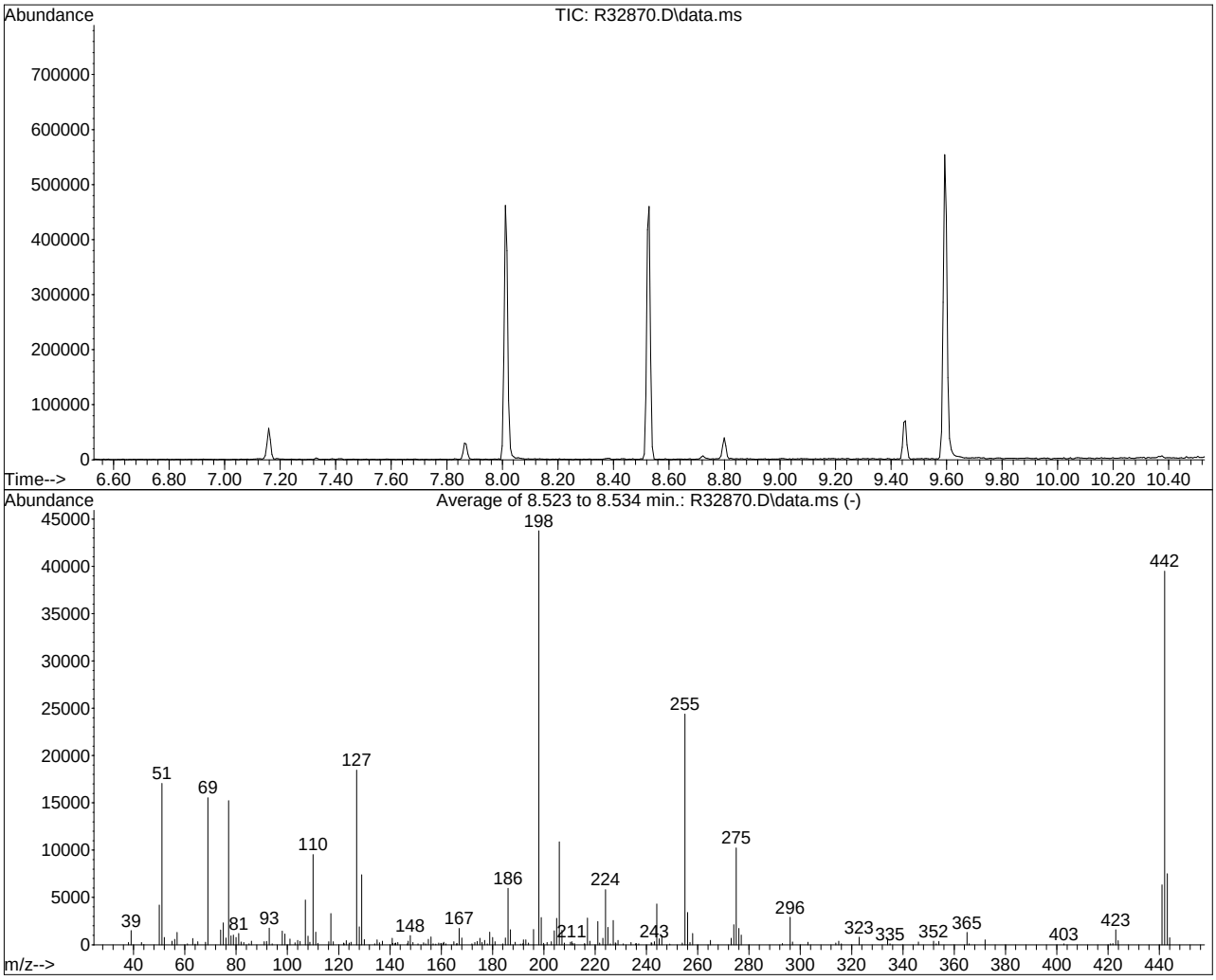
Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
264.95	560	296.00	3253	353.95	300	443.00	7191
266.00	87	297.00	359	364.95	1276	444.05	691
272.90	164	303.00	453	366.00	95		
273.05	518	315.00	388	372.10	514		
273.95	1963	316.00	100	403.05	273		
275.00	10188	323.05	1098	421.00	236		
276.00	1401	324.00	106	421.80	108		
276.95	753	334.00	649	423.05	1554		
277.90	108	345.80	123	423.95	442		
282.90	92	351.95	256	441.00	5840		
285.00	87	353.10	128	442.10	36685		

DFTPP

Data File : C:\msdchem\1\data\R130821\R32870.D Vial: 99
Acq On : 21 Aug 2013 7:25 am Operator: kristinr
Sample : DFTPP Inst : MSR
Misc : OP34233,MSR1199,,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\1\methods\dftppeval.m (RTE Integrator)
Title : DFTPP and Tune Evaluation



Spectrum Information: Average of 8.523 to 8.534 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.0	17071	PASS
68	69	0.00	2	1.7	262	PASS
69	198	0.00	100	35.5	15534	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.2	18477	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	43749	PASS
199	198	5	9	6.6	2876	PASS
275	198	10	30	23.4	10247	PASS
365	198	1	100	3.0	1317	PASS
441	443	0.01	100	84.3	6327	PASS
442	198	40	100	90.3	39488	PASS
443	442	17	23	19.0	7505	PASS

R32870.D dftppeval.m Mon Aug 26 10:36:23 2013

Average of 8.523 to 8.534 min.: R32870.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.05	246	63.05	672	80.00	768	99.00	1132
39.05	1491	64.00	84	80.95	1185	100.95	609
43.05	229	65.00	317	81.95	290	103.00	202
44.00	18	68.10	262	82.95	231	104.00	463
50.00	4212	69.00	15534	85.00	86	104.95	365
51.05	17071	74.00	1570	86.00	374	107.00	4727
52.00	760	75.00	2315	90.95	332	108.05	912
55.05	370	76.05	708	91.90	354	108.80	274
56.00	572	77.10	15227	92.95	1753	110.00	9534
57.00	1319	78.00	955	94.00	99	111.00	1333
61.00	102	78.95	1014	98.00	1443	111.90	159

Average of 8.523 to 8.534 min.: R32870.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
116.15	333	129.95	562	147.05	381	159.80	153
116.95	3315	134.00	105	147.95	969	160.00	129
117.85	329	135.00	513	148.90	242	160.80	164
121.90	184	135.90	223	150.90	96	160.95	273
122.10	106	137.00	384	153.05	218	161.80	99
122.95	431	140.90	683	153.90	106	164.90	317
124.05	185	141.10	151	154.90	587	165.90	112
124.85	267	141.90	131	156.00	821	166.10	119
127.00	18477	142.20	193	156.80	90	167.00	1732
128.00	1886	143.00	246	157.90	85	168.00	715
129.00	7405	146.80	110	158.95	196	171.90	107

Average of 8.523 to 8.534 min.: R32870.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
173.10	247	186.00	5966	199.90	142	211.90	115
174.00	361	186.95	1592	201.25	228	215.80	92
175.00	694	188.80	277	202.95	318	216.00	112
175.85	237	190.90	83	204.05	1466	216.95	2834
176.95	452	191.70	103	205.00	2807	217.90	379
177.90	90	192.00	529	206.05	10883	221.00	2465
178.90	1343	193.00	524	207.00	1544	221.80	182
180.00	770	194.00	197	207.95	192	223.00	703
180.95	317	196.00	1610	210.35	265	224.00	5839
184.00	109	198.00	43749	210.85	332	225.00	1835
185.00	711	199.00	2876	211.20	134	225.90	105

Average of 8.523 to 8.534 min.: R32870.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
227.00	2580	243.05	314	273.05	691	316.00	91
227.90	206	244.05	4312	274.05	2127	323.00	812
228.10	129	244.95	639	275.00	10247	334.00	624
228.95	473	245.95	948	276.00	1734	335.00	96
231.00	101	249.10	85	277.00	1016	346.00	299
233.95	245	254.00	180	293.00	137	351.95	388
235.70	88	255.00	24400	296.00	2908	353.00	111
236.00	124	256.00	3416	296.95	302	354.00	358
237.00	98	256.95	229	302.95	268	365.00	1317
241.90	217	258.00	1183	313.85	179	365.80	101
242.10	177	264.95	464	314.95	372	372.05	522

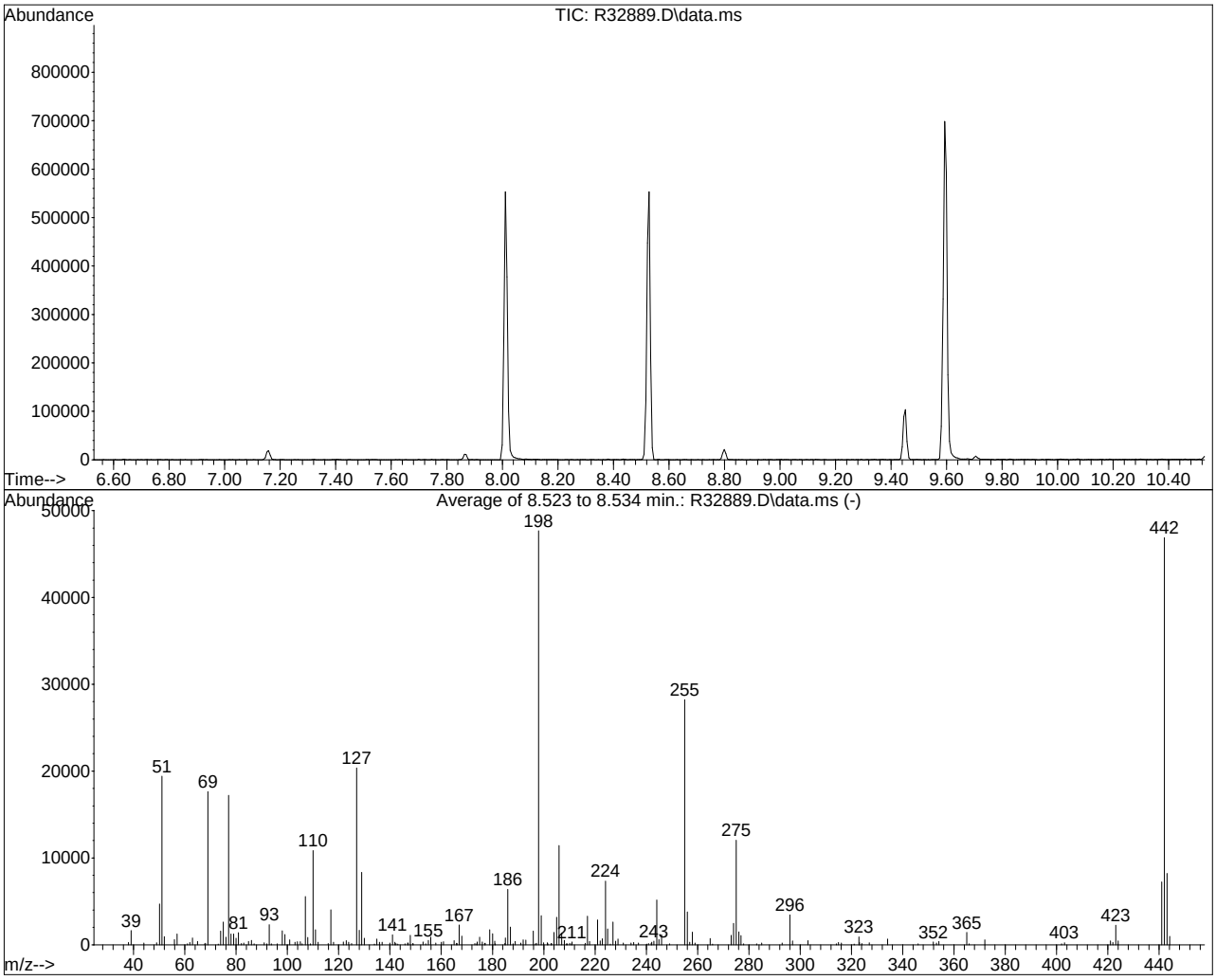
Average of 8.523 to 8.534 min.: R32870.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
402.80	86						
420.90	94						
421.90	123						
423.00	1588						
423.90	437						
441.05	6327						
442.10	39488						
443.05	7505						
444.00	742						

DFTPP

Data File : C:\msdchem\1\data\R130821\R32889.D Vial: 99
Acq On : 21 Aug 2013 3:26 pm Operator: kristinr
Sample : DFTPP Inst : MSR
Misc : OP34233,MSR1200,,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\1\methods\dftppeval.m (RTE Integrator)
Title : DFTPP and Tune Evaluation



Spectrum Information: Average of 8.523 to 8.534 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.7	19398	PASS
68	69	0.00	2	0.9	160	PASS
69	198	0.00	100	37.0	17645	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.7	20353	PASS
197	198	0.00	1	0.4	175	PASS
198	198	100	100	100.0	47669	PASS
199	198	5	9	7.1	3366	PASS
275	198	10	30	25.2	12031	PASS
365	198	1	100	3.0	1412	PASS
441	443	0.01	100	88.1	7242	PASS
442	198	40	100	98.4	46885	PASS
443	442	17	23	17.5	8220	PASS

R32889.D dftppeval.m Tue Aug 27 09:55:57 2013

Average of 8.523 to 8.534 min.: R32889.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.05	272	63.00	793	79.00	1243	93.80	103
39.05	1625	64.95	370	80.00	759	96.00	123
44.05	190	67.80	121	80.95	1389	98.05	1609
48.95	222	68.10	160	82.00	143	99.00	1193
50.10	4688	69.00	17645	82.95	207	100.90	575
51.10	19398	73.00	93	84.85	379	102.95	294
52.05	924	74.00	1576	85.95	520	103.95	356
55.90	595	75.05	2623	87.00	94	105.00	345
57.00	1254	76.00	873	90.95	228	105.80	96
61.00	96	77.10	17218	92.00	113	107.00	5563
61.95	257	78.05	1251	92.95	2321	107.90	831

Average of 8.523 to 8.534 min.: R32889.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
109.00	99	127.00	20353	142.30	126	155.95	867
110.00	10843	128.00	1681	143.10	87	157.90	205
111.00	1739	129.00	8325	145.90	96	160.10	279
111.95	301	130.05	743	146.90	205	160.90	355
115.90	141	133.90	87	147.10	208	165.05	467
117.00	4037	134.90	661	147.90	1085	166.00	159
118.00	293	135.90	280	148.90	133	166.20	134
121.85	332	136.95	278	149.10	119	167.00	2295
123.00	489	139.95	208	152.95	310	168.00	988
123.90	287	141.00	1163	153.90	111	173.10	135
125.00	151	141.95	278	154.95	518	173.80	102

Average of 8.523 to 8.534 min.: R32889.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
174.00	310	186.00	6367	199.00	3366	208.90	103
175.00	881	187.00	2034	199.90	233	209.20	109
176.05	337	188.00	110	201.40	239	210.10	175
176.90	162	188.90	389	201.60	98	210.80	95
177.10	174	191.05	211	202.80	148	211.05	322
178.95	1725	191.95	575	203.00	144	216.20	183
180.00	1280	193.00	536	204.00	1416	217.00	3297
180.90	418	195.95	1564	205.05	3177	217.90	381
181.10	106	196.70	107	206.00	11419	221.00	2851
184.80	127	197.10	175	207.00	1341	222.05	446
185.05	785	198.00	47669	208.05	509	222.85	688

Average of 8.523 to 8.534 min.: R32889.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
224.05	7319	240.90	129	258.00	1461	285.00	209
224.95	1828	241.90	185	259.00	213	293.00	208
225.90	88	242.10	287	264.95	712	296.00	3458
226.95	2609	242.95	402	265.80	92	297.00	445
228.00	429	244.10	5164	273.10	1100	303.00	475
228.95	671	244.95	602	274.00	2475	314.10	103
231.00	190	245.95	1144	275.10	12031	314.95	277
234.00	208	249.10	118	276.05	1498	316.05	205
235.05	249	255.00	28221	276.95	1057	321.10	90
236.90	201	256.00	3777	278.00	98	322.90	914
240.10	90	256.95	297	283.00	109	323.10	268

Average of 8.523 to 8.534 min.: R32889.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
324.10	130	403.05	232				
326.95	235	421.05	438				
334.10	665	422.00	259				
346.00	110	423.05	2241				
351.95	331	423.90	86				
353.15	196	424.05	430				
354.05	399	441.05	7242				
364.95	1412	442.10	46885				
365.90	118	443.05	8220				
372.00	574	444.10	954				
402.00	98						

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	59485m	40.00	ppm	0.55
21) 1,4-Dichlorobenzene-d4A	4.425	152	59492m	40.00	PPM	0.55
23) Naphthalene-d8	5.484	136	221858m	40.00	ppm	0.56
41) Naphthalene-d8a	5.484	136	221870m	40.00	ppm	0.56
43) Acenaphthene-d10	7.025	164	139822m	40.00	ppm	0.58
65) Acenaphthene-d10a	7.025	164	139833m	40.00	ppm	0.58
67) Phenanthrene-d10	8.454	188	240225m	40.00	ppm	0.64
80) Phenanthrene-d10a	8.454	188	240225m	40.00	ppm	0.65
82) Chrysene-d12	11.454	240	267691m	40.00	ppm	0.72
92) Perylene-d12	13.054	264	259313m	40.00	ppm	0.74
100) Naphthalene-d8b	5.484	136	221867m	40.00	ug/mL	0.56
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	91717m	46.49	ppm	0.52
Spiked Amount 100.000	Range 30 - 130		Recovery = 46.49%			
7) Phenol-d5	4.143	99	112760m	41.54	ppm	0.51
Spiked Amount 100.000	Range 30 - 130		Recovery = 41.54%			
24) Nitrobenzene-d5	4.890	82	105028m	43.20	ppm	0.55
Spiked Amount 50.000	Range 30 - 130		Recovery = 86.40%			
48) 2-Fluorobiphenyl	6.419	172	231580m	50.10	ppm	0.55
Spiked Amount 50.000	Range 30 - 130		Recovery = 100.20%			
71) 2,4,6-Tribromophenol	7.772	330	37038m	50.41	ppm	0.61
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.41%			
85) Terphenyl-d14	10.225	244	286560m	49.61	ppm	0.68
Spiked Amount 50.000	Range 30 - 130		Recovery = 99.22%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.560	74	58838m	42.59	ug/l	
3) Pyridine	2.572	79	107712m	42.57	ppm	
4) Aniline	4.190	93	139086m	42.02	ppm	
6) bis(2-Chloroethyl)ether	4.225	63	65072m	43.66	ppm	
8) Phenol	4.154	94	114928m	40.44	ppm	
9) 2-Chlorophenol	4.278	128	98355m	49.37	ppm	
10) 1,3-Dichlorobenzene	4.396	146	108436m	48.13	ppm	
11) 1,4-Dichlorobenzene	4.437	146	114841m	48.74	ppm	
12) 1,2-Dichlorobenzene	4.590	146	104690m	48.73	ppm	
13) Benzyl alcohol	4.537	108	64404m	44.88	ppm	
14) bis(2-chloroisopropyl)...	4.660	45	112465m	53.46	ppm	
15) o-cresol	4.631	108	86947m	20.61	ppm	
16) Acetophenone	4.760	105	140090m	43.37	ppm	
17) Hexachloroethane	4.843	117	42833m	46.47	ppm	
18) N-Nitroso-di-n-propyla...	4.778	70	64035m	41.68	ppm	
19) m+p-cresols	4.748	108	188185m	89.20	ppm	
20) 4-methylphenol	4.748	108	187986m	89.11	ppm	
25) Nitrobenzene	4.907	77	105565m	42.72	ppm	
26) Isophorone	5.096	82	179787m	41.90	ppm	
27) 2-Nitrophenol	5.172	139	52445m	50.82	ppm	
28) 2,4-Dimethylphenol	5.190	107	96931m	43.60	ppm	
29) bis(2-Chloroethoxy)met...	5.272	93	103765m	41.88	ppm	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.260	105	66559m	37.88	ppm	
31) 2,4-Dichlorophenol	5.366	162	86395m	52.33	ppm	
32) 1,2,4-Trichlorobenzene	5.443	180	90548m	52.20	ppm	
33) Naphthalene	5.501	128	289988m	50.63	ppm	
34) 2,6-Dichlorophenol	5.560	162	84039m	51.85	ppm	
35) 4-Chloroaniline	5.554	127	121152m	49.73	ppm	
36) Hexachlorobutadiene	5.648	225	58274m	50.91	ppm	
37) 4-Chloro-3-methylphenol	5.954	107	82037m	42.10	ppm	
38) 2-Methylnaphthalene	6.090	142	206997m	55.16	ppm	
39) 1-Methylnaphthalene	6.184	142	196454m	53.44	ppm	
40) 1,2,4,5-Tetrachloroben...	6.272	216	105598m	53.51	ppm	
44) Pentachloronitrobenzene	8.407	237	30771m	51.08	ppm	
45) Hexachlorocyclopentadiene	6.290	237	70656m	61.24	ppm	
46) 2,4,6-Trichlorophenol	6.354	196	66800m	49.70	ppm	
47) 2,4,5-Trichlorophenol	6.384	196	70396m	48.86	ppm	
49) 2-Chloronaphthalene	6.513	162	184044m	49.24	ppm	
50) Acenaphthylene	6.890	152	306015m	50.70	ppm	
51) Dimethylphthalate	6.801	163	214661m	47.35	ppm	
52) 2,4-Dinitrotoluene	7.225	165	65240m	50.40	ppm	
53) Acenaphthene	7.054	153	197159m	52.66	ppm	
54) 2,4-Dinitrophenol	7.084	184	30595m	43.38	ppm	
55) Dibenzofuran	7.201	168	277334m	51.59	ppm	
56) 2,6-Dinitrotoluene	6.866	165	49768m	51.53	ppm	
57) 4-Nitrophenol	7.125	65	43699m	42.35	ppm	
58) 2,3,4,6-Tetrachlorophenol	7.348	232	60487m	48.86	ppm	
59) Fluorene	7.525	166	224845m	52.78	ppm	
60) 4-Chlorophenyl-phenyle...	7.513	204	108434m	51.20	ppm	
61) Diethylphthalate	7.448	149	214106m	47.40	ppm	
62) 2-nitroaniline	6.625	138	61122m	47.86	ppm	
63) 3-nitroaniline	6.995	138	52284m	47.04	ppm	
64) 4-nitroaniline	7.566	138	51830m	45.76	ppm	
68) 4,6-Dinitro-2-methylph...	7.607	198	44240m	49.91	ppm	
69) n-Nitrosodiphenylamine	7.631	169	158960m	49.39	ppm	
70) 1,2-Diphenylhydrazine	7.666	77	205111m	40.91	ppm	
72) 4-Bromophenyl-phenylether	7.989	248	66649m	49.83	ppm	
73) Hexachlorobenzene	8.148	284	74087m	55.49	ppm	
74) Pentachlorophenol	8.325	266	47627m	52.94	ppm	
75) Phenanthrene	8.484	178	327784m	52.57	ppm	
76) Anthracene	8.525	178	339720m	53.26	ppm	
77) Carbazole	8.695	167	310096m	52.77	ppm	
78) Di-n-butylphthalate	9.119	149	369483m	49.09	ppm	
79) Fluoranthene	9.783	202	352235m	50.45	ppm	
83) Benzidine	9.925	184	129163m	41.62	ppm	
84) Pyrene	10.036	202	389354m	50.87	ppm	
86) 3,3-Dimethylbenzidine	10.789	212	162659m	37.69	ppm	
87) Butylbenzylphthalate	10.830	149	167072m	48.86	ppm	
88) 3,3'-Dichlorobenzidine	11.419	252	137506m	49.93	ppm	
89) Benzo[a]anthracene	11.430	228	354784m	49.39	ppm	
90) Chrysene	11.483	228	342967m	48.98	ppm	
91) bis(2-Ethylhexyl)phtha...	11.542	149	232773m	47.84	ppm	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration

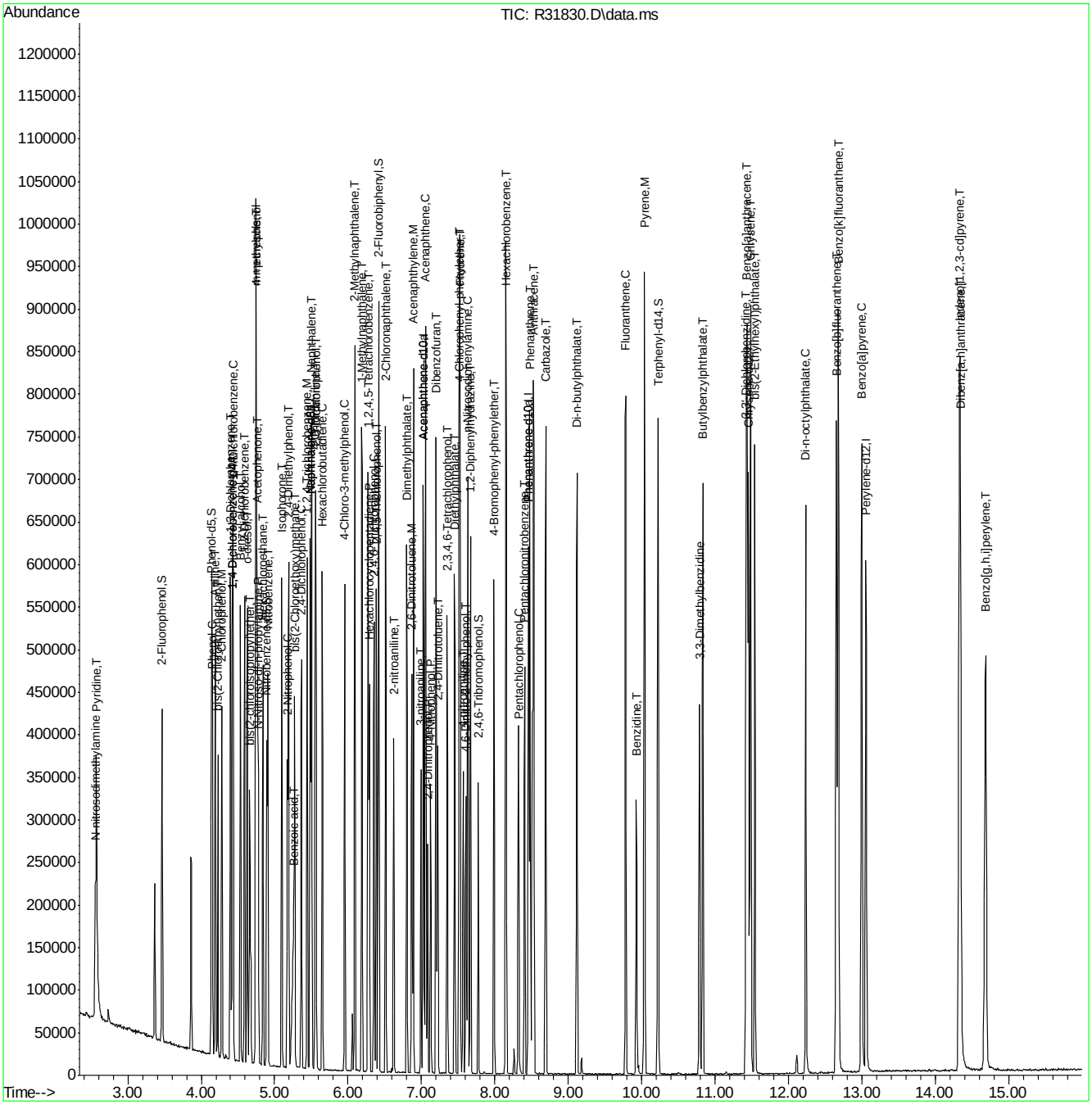
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	365730m	42.88	ppm	
94) Benzo[b]fluoranthene	12.654	252	388574m	48.87	ppm	
95) Benzo[k]fluoranthene	12.677	252	363381m	50.19	ppm	
96) Benzo[a]pyrene	12.995	252	342214m	49.28	ppm	
97) Indeno[1,2,3-cd]pyrene	14.330	276	424772m	52.15	ppm	
98) Dibenz[a,h]anthracene	14.342	278	343005m	51.88	ppm	
99) Benzo[g,h,i]perylene	14.683	276	353384m	52.43	ppm	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23630

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	49138	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	49138	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	181281	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	181281	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	112249	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	112249	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	196732	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	196732	40.00	ppm	0.00
82) Chrysene-d12	11.448	240	209909	40.00	ppm	0.00
92) Perylene-d12	13.054	264	203361	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	181281	40.00	ug/mL	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	2661	1.76	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.76%#			
7) Phenol-d5	4.137	99	3786	2.03	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 2.03%#			
24) Nitrobenzene-d5	4.890	82	3273	1.91	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.82%#			
48) 2-Fluorobiphenyl	6.419	172	7292	1.96	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.92%#			
71) 2,4,6-Tribromophenol	7.772	330	795m	1.31	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.31%#			
85) Terphenyl-d14	10.219	244	8605	1.91	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.82%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.566	74	1962	2.02	ug/l	# 63
3) Pyridine	2.596	79	3640	2.05	ppm	97
4) Aniline	4.190	93	4029	1.75	ppm	# 1
6) bis(2-Chloroethyl)ether	4.225	63	1919	1.79	ppm	89
8) Phenol	4.149	94	3522	1.85	ppm	93
9) 2-Chlorophenol	4.278	128	2915	1.79	ppm	97
10) 1,3-Dichlorobenzene	4.396	146	3393	1.89	ppm	92
11) 1,4-Dichlorobenzene	4.437	146	3732	1.97	ppm	96
12) 1,2-Dichlorobenzene	4.590	146	3150	1.82	ppm	93
13) Benzyl alcohol	4.537	108	1928	1.81	ppm	93
14) bis(2-chloroisopropyl)...	4.660	45	3354	1.81	ppm	92
15) o-cresol	4.625	108	2530	1.76	ppm	81
16) Acetophenone	4.760	105	4176	1.80	ppm	83
17) Hexachloroethane	4.843	117	1347	1.90	ppm	84
18) N-Nitroso-di-n-propyla...	4.772	70	2301	2.17	ppm	91
19) m+p-cresols	4.743	108	5553	3.57	ppm	97
20) 4-methylphenol	4.743	108	5553	3.58	ppm	97
25) Nitrobenzene	4.907	77	3565	2.07	ppm	96
26) Isophorone	5.096	82	5600	1.91	ppm	99
27) 2-Nitrophenol	5.172	139	1694	1.98	ppm	73
28) 2,4-Dimethylphenol	5.184	107	2562	1.62	ppm	81
29) bis(2-Chloroethoxy)met...	5.272	93	3348	1.97	ppm	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) 2,4-Dichlorophenol	5.366	162	2506	1.77	ppm	86
32) 1,2,4-Trichlorobenzene	5.443	180	2944	1.99	ppm	88
33) Naphthalene	5.496	128	9402	1.98	ppm	97
34) 2,6-Dichlorophenol	5.560	162	2616	1.90	ppm	96
35) 4-Chloroaniline	5.554	127	3379	1.71	ppm	100
36) Hexachlorobutadiene	5.648	225	1690	1.77	ppm	92
37) 4-Chloro-3-methylphenol	5.954	107	2184	1.63	ppm	89
38) 2-Methylnaphthalene	6.090	142	6539	1.93	ppm	88
39) 1-Methylnaphthalene	6.184	142	6518	2.03	ppm	89
40) 1,2,4,5-Tetrachloroben...	6.272	216	3697	2.14	ppm	89
45) Hexachlorocyclopentadiene	6.290	237	1707	1.50	ppm	68
46) 2,4,6-Trichlorophenol	6.348	196	1666	1.55	ppm	85
47) 2,4,5-Trichlorophenol	6.384	196	1841	1.63	ppm	84
49) 2-Chloronaphthalene	6.513	162	6168	2.09	ppm	95
50) Acenaphthylene	6.890	152	9322	1.90	ppm	91
51) Dimethylphthalate	6.801	163	6385	1.85	ppm	100
52) 2,4-Dinitrotoluene	7.219	165	1629	1.56	ppm	98
53) Acenaphthene	7.054	153	5886	1.86	ppm	93
54) 2,4-Dinitrophenol	7.078	184	453m	0.92	ppm	
55) Dibenzofuran	7.195	168	8925	2.00	ppm	93
56) 2,6-Dinitrotoluene	6.860	165	1175	1.47	ppm	91
57) 4-Nitrophenol	7.119	65	792m	1.13	ppm	
58) 2,3,4,6-Tetrachlorophenol	7.348	232	1227	1.26	ppm	84
59) Fluorene	7.525	166	6816	1.89	ppm	96
60) 4-Chlorophenyl-phenyle...	7.513	204	3528	2.03	ppm	84
61) Diethylphthalate	7.448	149	6550	1.91	ppm	92
62) 2-nitroaniline	6.619	138	1561	1.59	ppm	84
63) 3-nitroaniline	6.990	138	1374	1.64	ppm	90
64) 4-nitroaniline	7.560	138	967m	1.16	ppm	
69) n-Nitrosodiphenylamine	7.631	169	4831	1.86	ppm	95
70) 1,2-Diphenylhydrazine	7.666	77	6664	1.98	ppm	97
72) 4-Bromophenyl-phenylether	7.990	248	1967	1.80	ppm	84
73) Hexachlorobenzene	8.142	284	2312	1.91	ppm	90
74) Pentachlorophenol	8.319	266	1052	1.35	ppm	82
75) Phenanthrene	8.478	178	10370	1.93	ppm	96
76) Anthracene	8.525	178	9840	1.77	ppm	96
77) Carbazole	8.689	167	8014	1.58	ppm	78
78) Di-n-butylphthalate	9.113	149	9533	1.58	ppm	95
79) Fluoranthene	9.778	202	9933	1.72	ppm	95
83) Benzidine	9.925	184	2615	1.29	ppm	85
84) Pyrene	10.036	202	10951	1.79	ppm	95
86) 3,3-Dimethylbenzidine	10.783	212	2441	0.96	ppm	100
87) Butylbenzylphthalate	10.825	149	3069	1.17	ppm	90
88) 3,3'-Dichlorobenzidine	11.419	252	2425	1.12	ppm	95
89) Benzo[a]anthracene	11.430	228	9635	1.73	ppm	95
90) Chrysene	11.478	228	10214	1.90	ppm	99
91) bis(2-Ethylhexyl)phtha...	11.542	149	4588	1.26	ppm	77
93) Di-n-octylphthalate	12.230	149	5394	0.94	ppm	95
94) Benzo[b]fluoranthene	12.648	252	10441	1.71	ppm	95
95) Benzo[k]fluoranthene	12.672	252	9589	1.68	ppm	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration

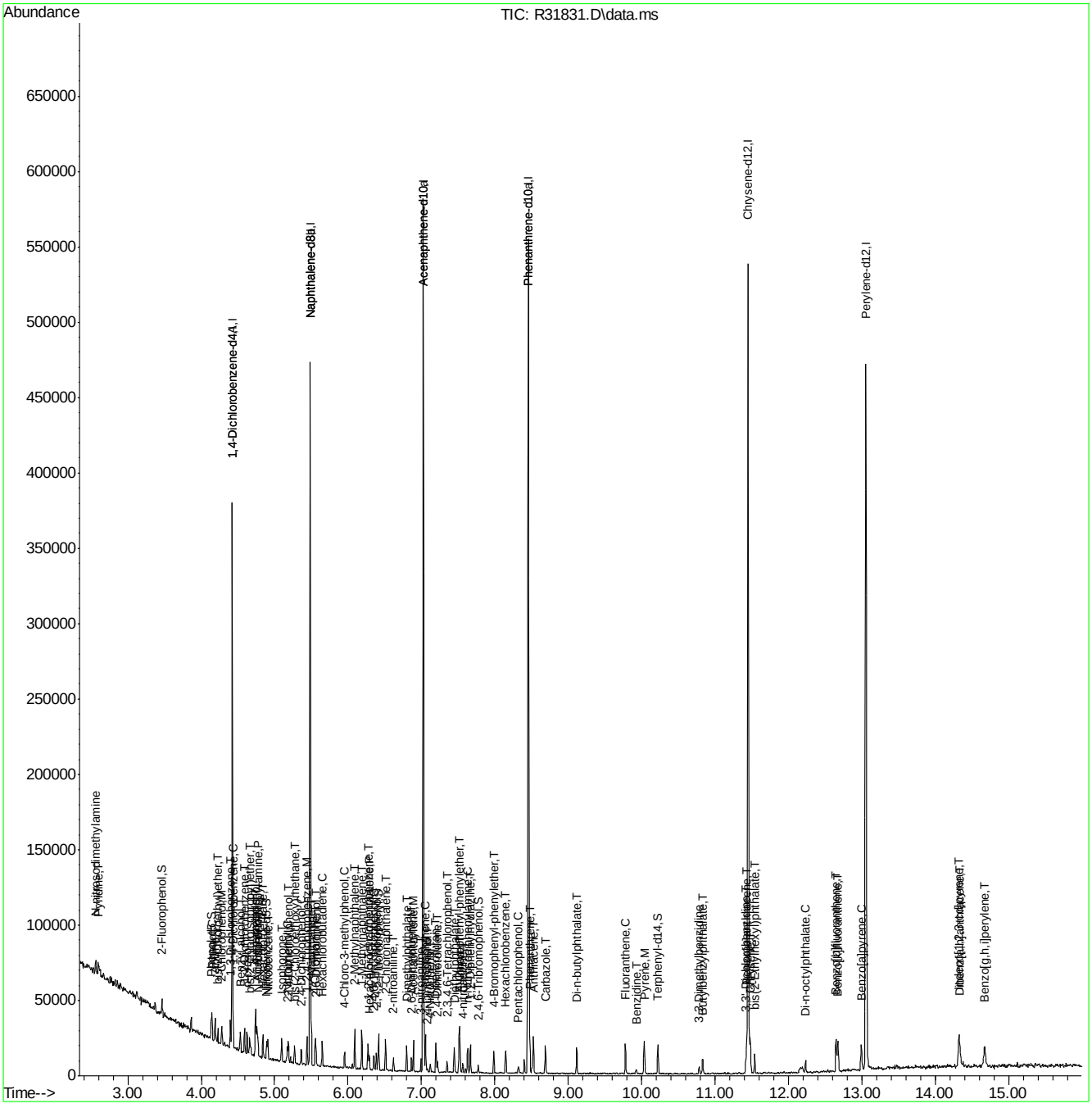
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Benzo[a]pyrene	12.989	252	8160	1.52	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.324	276	10360	1.56	ppm	80
98) Dibenz[a,h]anthracene	14.330	278	8584	1.60	ppm	95
99) Benzo[g,h,i]perylene	14.671	276	9002	1.62	ppm	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23630

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	51367	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	51367	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	187437	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	187437	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	119311	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	119311	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	202315	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	202315	40.00	ppm	0.00
82) Chrysene-d12	11.448	240	219013	40.00	ppm	0.00
92) Perylene-d12	13.054	264	214392	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	187437	40.00	ug/mL	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	7952	5.35	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 5.35%#			
7) Phenol-d5	4.137	99	9750	4.97	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 4.97%#			
24) Nitrobenzene-d5	4.890	82	8917	5.14	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 10.28%#			
48) 2-Fluorobiphenyl	6.419	172	19440	4.97	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 9.94%#			
71) 2,4,6-Tribromophenol	7.772	330	2452	3.93	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 3.93%#			
85) Terphenyl-d14	10.219	244	22822	4.97	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 9.94%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.560	74	4558	4.49	ug/l #	79
3) Pyridine	2.590	79	8812	4.74	ppm	97
4) Aniline	4.190	93	11209	4.97	ppm #	1
6) bis(2-Chloroethyl)ether	4.225	63	5705	5.36	ppm	78
8) Phenol	4.148	94	9287	4.85	ppm	97
9) 2-Chlorophenol	4.278	128	7555	4.69	ppm	91
10) 1,3-Dichlorobenzene	4.396	146	9269	5.08	ppm	99
11) 1,4-Dichlorobenzene	4.437	146	9242	4.70	ppm	96
12) 1,2-Dichlorobenzene	4.590	146	8197	4.75	ppm	88
13) Benzyl alcohol	4.537	108	4842	4.35	ppm	98
14) bis(2-chloroisopropyl)...	4.660	45	9684	5.24	ppm	81
15) o-cresol	4.625	108	6681	4.73	ppm	85
16) Acetophenone	4.760	105	11659	5.07	ppm	98
17) Hexachloroethane	4.843	117	3547	4.91	ppm	80
18) N-Nitroso-di-n-propyla...	4.772	70	4779m	4.14	ppm	
19) m+p-cresols	4.743	108	14861	9.66	ppm	99
20) 4-methylphenol	4.743	108	14861	9.67	ppm	99
25) Nitrobenzene	4.907	77	9124	5.03	ppm	94
26) Isophorone	5.095	82	14021	4.73	ppm	99
27) 2-Nitrophenol	5.172	139	3900	4.40	ppm	91
28) 2,4-Dimethylphenol	5.184	107	6625	4.04	ppm	98
29) bis(2-Chloroethoxy)met...	5.272	93	8609	4.91	ppm	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.219	105	2500	2.22	ppm		96
31) 2,4-Dichlorophenol	5.360	162	6088	4.17	ppm		95
32) 1,2,4-Trichlorobenzene	5.442	180	7933	5.20	ppm		98
33) Naphthalene	5.501	128	23030	4.72	ppm		96
34) 2,6-Dichlorophenol	5.560	162	6427	4.53	ppm		93
35) 4-Chloroaniline	5.554	127	9409	4.60	ppm		100
36) Hexachlorobutadiene	5.648	225	4470	4.81	ppm		84
37) 4-Chloro-3-methylphenol	5.954	107	6182	4.46	ppm		95
38) 2-Methylnaphthalene	6.090	142	16285	4.74	ppm		93
39) 1-Methylnaphthalene	6.184	142	16485	4.93	ppm		92
40) 1,2,4,5-Tetrachloroben...	6.272	216	9197	4.98	ppm		100
44) Pentachloronitrobenzene	8.401	237	2166	4.12	ppm		90
45) Hexachlorocyclopentadiene	6.289	237	5335	4.42	ppm		86
46) 2,4,6-Trichlorophenol	6.354	196	4962	4.35	ppm		99
47) 2,4,5-Trichlorophenol	6.384	196	5351	4.45	ppm		99
49) 2-Chloronaphthalene	6.513	162	15028	4.68	ppm		98
50) Acenaphthylene	6.889	152	24421	4.80	ppm		97
51) Dimethylphthalate	6.801	163	17498	4.96	ppm		98
52) 2,4-Dinitrotoluene	7.219	165	4817	4.33	ppm		80
53) Acenaphthene	7.054	153	16873	5.20	ppm		96
54) 2,4-Dinitrophenol	7.084	184	1515	2.90	ppm		85
55) Dibenzofuran	7.201	168	22213	4.69	ppm		98
56) 2,6-Dinitrotoluene	6.866	165	3383	3.98	ppm		71
57) 4-Nitrophenol	7.119	65	2914	3.91	ppm	#	71
58) 2,3,4,6-Tetrachlorophenol	7.348	232	4491	4.35	ppm		91
59) Fluorene	7.525	166	18464	4.95	ppm		93
60) 4-Chlorophenyl-phenyle...	7.513	204	8876	4.76	ppm		95
61) Diethylphthalate	7.448	149	16793	4.71	ppm		99
62) 2-nitroaniline	6.625	138	4231	4.06	ppm		95
63) 3-nitroaniline	6.989	138	3727	4.18	ppm		85
64) 4-nitroaniline	7.560	138	3573	4.04	ppm		84
68) 4,6-Dinitro-2-methylph...	7.601	198	2324	3.12	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	12398	4.80	ppm		97
70) 1,2-Diphenylhydrazine	7.666	77	16006	4.65	ppm		95
72) 4-Bromophenyl-phenylether	7.989	248	5172	4.85	ppm		97
73) Hexachlorobenzene	8.148	284	6133	5.03	ppm		96
74) Pentachlorophenol	8.319	266	3153	3.93	ppm		96
75) Phenanthrene	8.478	178	26259	4.84	ppm		96
76) Anthracene	8.525	178	27189	5.04	ppm		100
77) Carbazole	8.689	167	23695	5.07	ppm		100
78) Di-n-butylphthalate	9.113	149	25565	4.11	ppm		98
79) Fluoranthene	9.777	202	26727	4.84	ppm		98
83) Benzidine	9.925	184	7390	3.50	ppm		94
84) Pyrene	10.030	202	29538	4.89	ppm		96
86) 3,3-Dimethylbenzidine	10.783	212	9433	3.54	ppm		100
87) Butylbenzylphthalate	10.824	149	10469	3.83	ppm		95
88) 3,3'-Dichlorobenzidine	11.419	252	7573	3.37	ppm		95
89) Benzo[a]anthracene	11.430	228	25910	4.78	ppm		93
90) Chrysene	11.477	228	27195	4.97	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.542	149	13275	3.49	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration

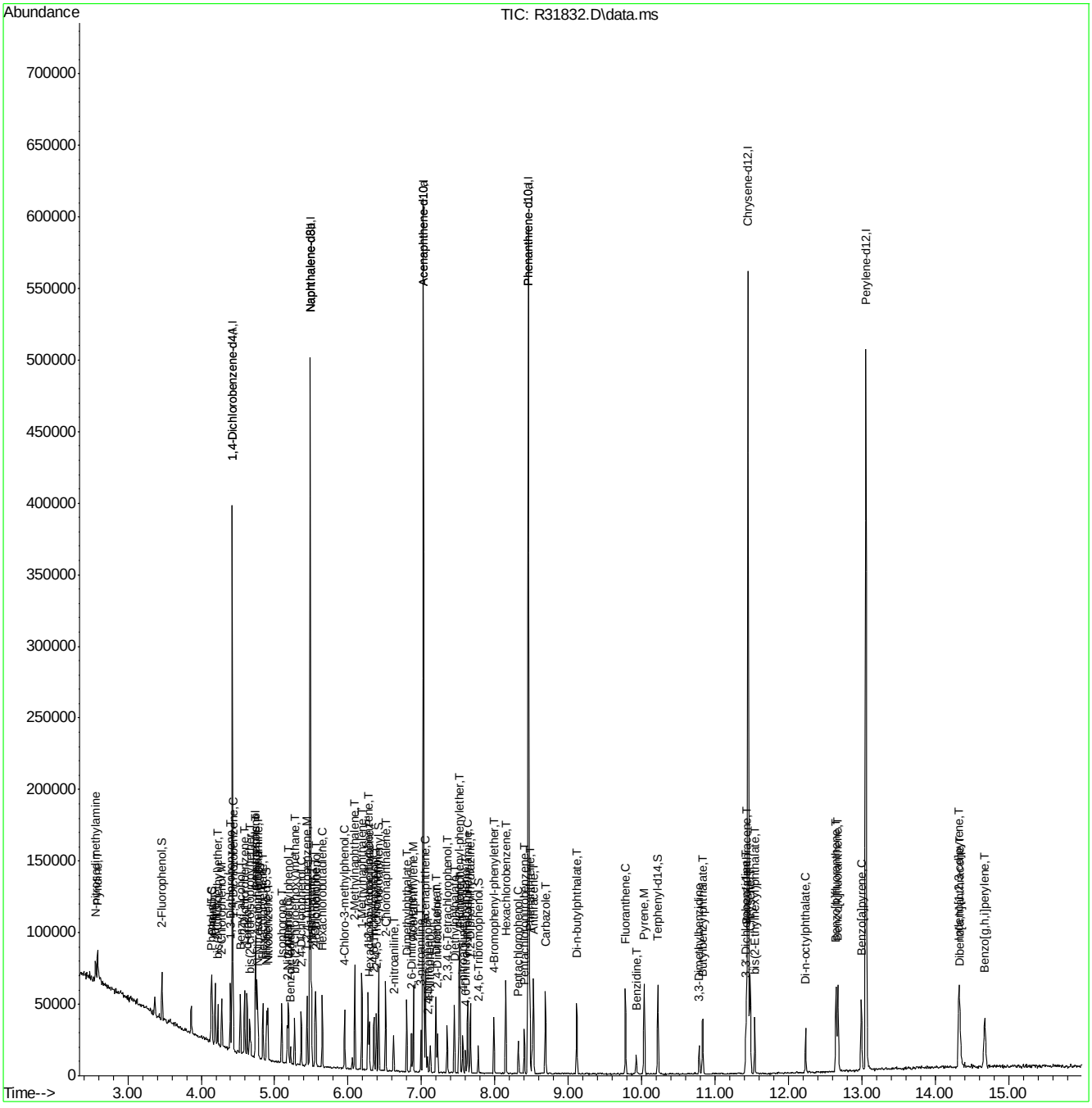
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.230	149	18042	2.98	ppm	97
94) Benzo[b]fluoranthene	12.648	252	26212	4.39	ppm	93
95) Benzo[k]fluoranthene	12.671	252	27270	4.93	ppm	97
96) Benzo[a]pyrene	12.989	252	22958	4.61	ppm	93
97) Indeno[1,2,3-cd]pyrene	14.324	276	29545	4.73	ppm	86
98) Dibenz[a,h]anthracene	14.336	278	24614	4.83	ppm	94
99) Benzo[g,h,i]perylene	14.671	276	24683	4.66	ppm	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration



R130628_8270+.m Mon Jul 08 17:12:15 2013 Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	46884	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	46884	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	166929	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	166929	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	105710	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	105710	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	181940	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	181940	40.00	ppm		0.00
82) Chrysene-d12	11.448	240	195288	40.00	ppm		0.00
92) Perylene-d12	13.054	264	187013	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	166929	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.466	112	14242	10.25	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 10.25%#				
7) Phenol-d5	4.137	99	17138	9.59	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 9.59%#				
24) Nitrobenzene-d5	4.890	82	15688	10.07	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 20.14%#				
48) 2-Fluorobiphenyl	6.419	172	34683	10.02	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 20.04%#				
71) 2,4,6-Tribromophenol	7.772	330	4845	9.67	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 9.67%#				
85) Terphenyl-d14	10.219	244	39266	9.61	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 19.22%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.560	74	9321	10.59	ug/l		99
3) Pyridine	2.584	79	16709	10.11	ppm		83
4) Aniline	4.190	93	21013	10.23	ppm	#	1
6) bis(2-Chloroethyl)ether	4.225	63	10148	10.21	ppm		82
8) Phenol	4.148	94	17082	9.88	ppm		94
9) 2-Chlorophenol	4.278	128	15038	10.44	ppm		96
10) 1,3-Dichlorobenzene	4.396	146	17344	10.36	ppm		97
11) 1,4-Dichlorobenzene	4.437	146	17241	9.80	ppm		96
12) 1,2-Dichlorobenzene	4.590	146	15632	10.09	ppm		99
13) Benzyl alcohol	4.537	108	9120	9.60	ppm		95
14) bis(2-chloroisopropyl)...	4.660	45	16636	9.71	ppm		86
15) o-cresol	4.625	108	12035	9.51	ppm		77
16) Acetophenone	4.760	105	20253	9.60	ppm		98
17) Hexachloroethane	4.843	117	6286	9.60	ppm		89
18) N-Nitroso-di-n-propyla...	4.772	70	9230	9.29	ppm		80
19) m+p-cresols	4.743	108	26756	19.28	ppm		91
20) 4-methylphenol	4.743	108	26756	19.28	ppm		91
25) Nitrobenzene	4.907	77	15604	9.64	ppm		97
26) Isophorone	5.095	82	25747	9.93	ppm		97
27) 2-Nitrophenol	5.172	139	7271	9.80	ppm		81
28) 2,4-Dimethylphenol	5.184	107	13801	10.46	ppm		94
29) bis(2-Chloroethoxy)met...	5.272	93	15740	10.17	ppm		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.225	105	6577	6.57	ppm		88
31) 2,4-Dichlorophenol	5.360	162	12327	10.34	ppm		93
32) 1,2,4-Trichlorobenzene	5.442	180	13568	9.85	ppm		98
33) Naphthalene	5.501	128	42908	10.06	ppm		97
34) 2,6-Dichlorophenol	5.560	162	11758	9.76	ppm		96
35) 4-Chloroaniline	5.554	127	17103	9.78	ppm		100
36) Hexachlorobutadiene	5.648	225	9080	11.11	ppm		94
37) 4-Chloro-3-methylphenol	5.954	107	11168	9.56	ppm		96
38) 2-Methylnaphthalene	6.090	142	29155	9.69	ppm		97
39) 1-Methylnaphthalene	6.184	142	28886	9.74	ppm		100
40) 1,2,4,5-Tetrachloroben...	6.272	216	15961	9.71	ppm		94
44) Pentachloronitrobenzene	8.401	237	3995	8.59	ppm		93
45) Hexachlorocyclopentadiene	6.290	237	9042	8.98	ppm		98
46) 2,4,6-Trichlorophenol	6.354	196	9139	9.67	ppm		90
47) 2,4,5-Trichlorophenol	6.384	196	9245	9.19	ppm		92
49) 2-Chloronaphthalene	6.513	162	27215	9.78	ppm		94
50) Acenaphthylene	6.889	152	43895	9.87	ppm		98
51) Dimethylphthalate	6.801	163	31117	9.98	ppm		97
52) 2,4-Dinitrotoluene	7.219	165	8753	9.51	ppm		91
53) Acenaphthene	7.054	153	27820	9.55	ppm		96
54) 2,4-Dinitrophenol	7.084	184	3245	7.01	ppm		82
55) Dibenzofuran	7.201	168	40311	9.81	ppm		93
56) 2,6-Dinitrotoluene	6.866	165	6650	9.84	ppm	#	65
57) 4-Nitrophenol	7.119	65	5494	8.31	ppm	#	79
58) 2,3,4,6-Tetrachlorophenol	7.348	232	7686	8.99	ppm		95
59) Fluorene	7.525	166	32313	9.81	ppm		98
60) 4-Chlorophenyl-phenyle...	7.513	204	15641	9.63	ppm		86
61) Diethylphthalate	7.448	149	30962	9.99	ppm		97
62) 2-nitroaniline	6.619	138	8013	9.57	ppm		84
63) 3-nitroaniline	6.989	138	7123	9.01	ppm		87
64) 4-nitroaniline	7.560	138	6966	8.89	ppm		80
68) 4,6-Dinitro-2-methylph...	7.601	198	4616	6.89	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	22406	9.78	ppm		95
70) 1,2-Diphenylhydrazine	7.666	77	30647	10.14	ppm		93
72) 4-Bromophenyl-phenylether	7.989	248	9842	10.36	ppm		94
73) Hexachlorobenzene	8.148	284	10266	9.35	ppm		96
74) Pentachlorophenol	8.319	266	5580	7.73	ppm		95
75) Phenanthrene	8.478	178	48283	10.00	ppm		98
76) Anthracene	8.525	178	47975	9.87	ppm		97
77) Carbazole	8.689	167	42932	10.17	ppm		98
78) Di-n-butylphthalate	9.113	149	49326	9.68	ppm		98
79) Fluoranthene	9.778	202	49907	10.16	ppm		96
83) Benzidine	9.925	184	13689	8.55	ppm		97
84) Pyrene	10.030	202	53983	10.09	ppm		97
86) 3,3-Dimethylbenzidine	10.783	212	18632	9.19	ppm		100
87) Butylbenzylphthalate	10.830	149	20998	9.76	ppm		94
88) 3,3'-Dichlorobenzidine	11.419	252	16039	9.56	ppm		91
89) Benzo[a]anthracene	11.430	228	48728	10.24	ppm		96
90) Chrysene	11.477	228	48493	9.96	ppm		97
91) bis(2-Ethylhexyl)phtha...	11.542	149	27224	9.45	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.230	149	37306	8.86	ppm	99
94) Benzo[b]fluoranthene	12.648	252	51185	10.25	ppm	96
95) Benzo[k]fluoranthene	12.671	252	51893	10.81	ppm	97
96) Benzo[a]pyrene	12.989	252	44414	10.50	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.318	276	55586	10.39	ppm	85
98) Dibenz[a,h]anthracene	14.330	278	43079	9.80	ppm	96
99) Benzo[g,h,i]perylene	14.671	276	47038	10.42	ppm	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

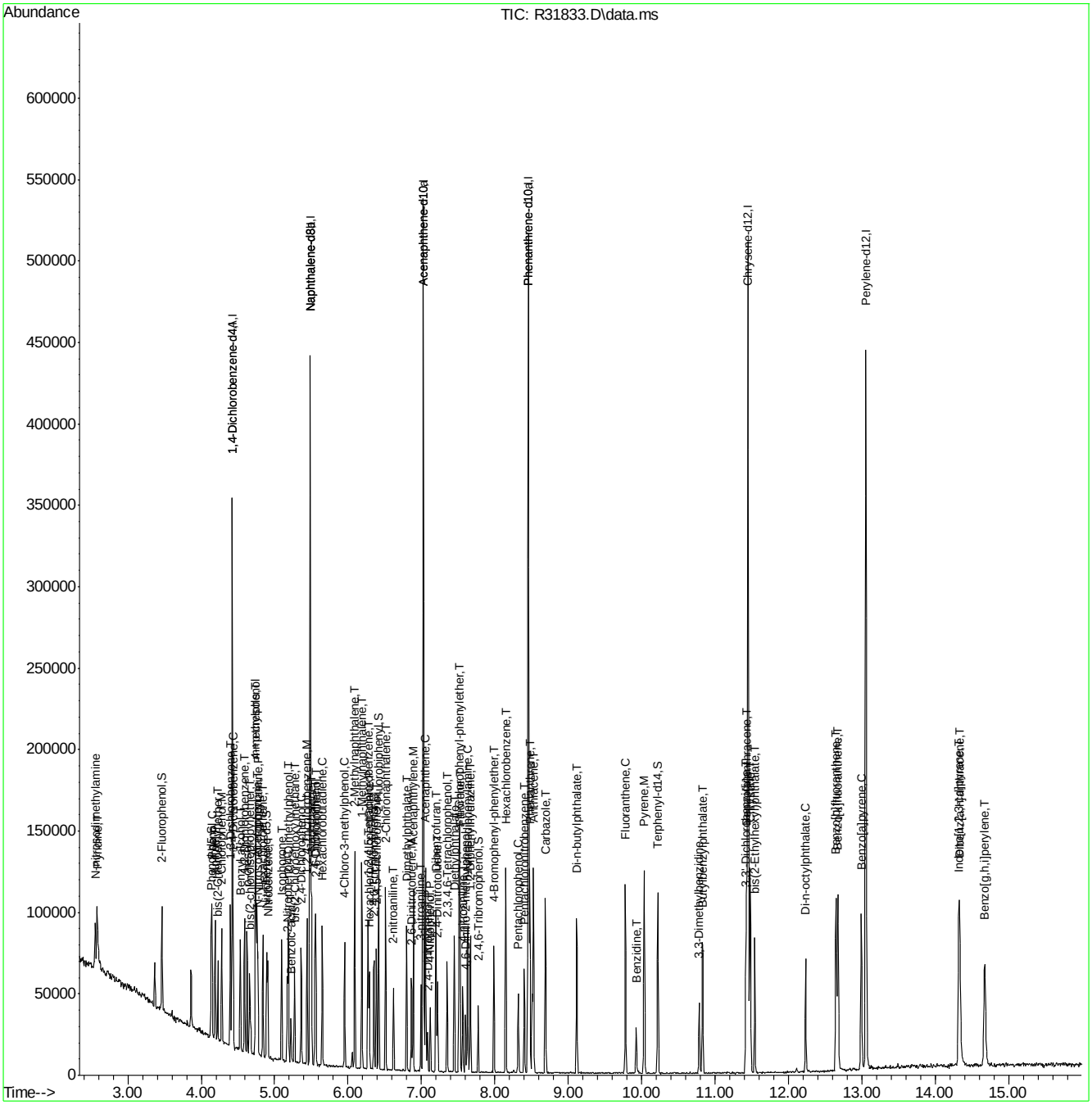
9.6.4

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	51742	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	51742	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	187414	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	187414	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	116090	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	116090	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	205439	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	205439	40.00	ppm		0.00
82) Chrysene-d12	11.448	240	219524	40.00	ppm		0.00
92) Perylene-d12	13.054	264	211519	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	187414	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.466	112	30920	20.04	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 20.04%#				
7) Phenol-d5	4.137	99	39428	20.19	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 20.19%#				
24) Nitrobenzene-d5	4.890	82	36172	20.64	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 41.28%				
48) 2-Fluorobiphenyl	6.419	172	78365	20.61	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 41.22%				
71) 2,4,6-Tribromophenol	7.772	330	12254	21.90	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 21.90%#				
85) Terphenyl-d14	10.219	244	96411	21.20	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 42.40%				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.560	74	20277	20.48	ug/l		85
3) Pyridine	2.578	79	36952	20.18	ppm		85
4) Aniline	4.190	93	47163	20.69	ppm	#	1
6) bis(2-Chloroethyl)ether	4.225	63	22170	20.10	ppm		91
8) Phenol	4.149	94	40284	21.17	ppm		97
9) 2-Chlorophenol	4.278	128	33290	20.72	ppm		98
10) 1,3-Dichlorobenzene	4.396	146	37487	20.12	ppm		97
11) 1,4-Dichlorobenzene	4.437	146	38579	19.97	ppm		96
12) 1,2-Dichlorobenzene	4.590	146	34284	20.00	ppm		95
13) Benzyl alcohol	4.537	108	20595	19.92	ppm		96
14) bis(2-chloroisopropyl)...	4.660	45	38598	20.56	ppm		82
15) o-cresol	4.625	108	28574	20.71	ppm		81
16) Acetophenone	4.760	105	48172	20.90	ppm		99
17) Hexachloroethane	4.843	117	14788	20.66	ppm		89
18) N-Nitroso-di-n-propyla...	4.772	70	22687	21.07	ppm		83
19) m+p-cresols	4.743	108	61057	40.22	ppm		100
20) 4-methylphenol	4.743	108	61057	40.23	ppm		100
25) Nitrobenzene	4.907	77	35950	19.96	ppm		95
26) Isophorone	5.096	82	60479	20.81	ppm		95
27) 2-Nitrophenol	5.172	139	16401	19.82	ppm		85
28) 2,4-Dimethylphenol	5.184	107	32918	21.89	ppm		95
29) bis(2-Chloroethoxy)met...	5.272	93	37153	21.26	ppm		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.237	105	18397	19.75	ppm		95
31) 2,4-Dichlorophenol	5.360	162	27608	20.39	ppm		95
32) 1,2,4-Trichlorobenzene	5.443	180	31478	20.44	ppm		96
33) Naphthalene	5.501	128	97867	20.41	ppm		98
34) 2,6-Dichlorophenol	5.560	162	28427	21.19	ppm		97
35) 4-Chloroaniline	5.554	127	41102	21.08	ppm		100
36) Hexachlorobutadiene	5.648	225	20924	22.19	ppm		97
37) 4-Chloro-3-methylphenol	5.954	107	26807	20.75	ppm		97
38) 2-Methylnaphthalene	6.090	142	68715	20.50	ppm		90
39) 1-Methylnaphthalene	6.184	142	65711	19.87	ppm		94
40) 1,2,4,5-Tetrachloroben...	6.272	216	35372	19.31	ppm		97
44) Pentachloronitrobenzene	8.401	237	9129	19.23	ppm		95
45) Hexachlorocyclopentadiene	6.290	237	22665	21.22	ppm		95
46) 2,4,6-Trichlorophenol	6.354	196	21103	20.56	ppm		94
47) 2,4,5-Trichlorophenol	6.384	196	23571	21.92	ppm		99
49) 2-Chloronaphthalene	6.513	162	63890	21.02	ppm		94
50) Acenaphthylene	6.890	152	103146	21.19	ppm		99
51) Dimethylphthalate	6.801	163	73029	21.34	ppm		98
52) 2,4-Dinitrotoluene	7.219	165	21650	21.78	ppm		84
53) Acenaphthene	7.054	153	66856	21.13	ppm		99
54) 2,4-Dinitrophenol	7.084	184	9159	18.03	ppm		88
55) Dibenzofuran	7.201	168	94051	20.94	ppm		99
56) 2,6-Dinitrotoluene	6.866	165	16295	22.07	ppm	#	62
57) 4-Nitrophenol	7.125	65	13669	20.57	ppm		94
58) 2,3,4,6-Tetrachlorophenol	7.348	232	18645	20.55	ppm		91
59) Fluorene	7.525	166	75169	20.88	ppm		98
60) 4-Chlorophenyl-phenyle...	7.513	204	37443	21.18	ppm		94
61) Diethylphthalate	7.448	149	71749	21.09	ppm		99
62) 2-nitroaniline	6.619	138	19932	22.00	ppm		85
63) 3-nitroaniline	6.990	138	17272	20.93	ppm		84
64) 4-nitroaniline	7.566	138	17246	21.22	ppm		93
68) 4,6-Dinitro-2-methylph...	7.601	198	13821	21.63	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	54634	21.24	ppm		99
70) 1,2-Diphenylhydrazine	7.666	77	69003	20.15	ppm		97
72) 4-Bromophenyl-phenylether	7.989	248	21957	20.29	ppm		94
73) Hexachlorobenzene	8.148	284	26555	21.77	ppm		89
74) Pentachlorophenol	8.319	266	14968	20.72	ppm		86
75) Phenanthrene	8.478	178	109782	20.14	ppm		97
76) Anthracene	8.525	178	115301	21.07	ppm		99
77) Carbazole	8.689	167	101889	21.28	ppm		100
78) Di-n-butylphthalate	9.113	149	121116	21.27	ppm		97
79) Fluoranthene	9.778	202	118135	21.21	ppm		100
83) Benzidine	9.925	184	38042	22.21	ppm		98
84) Pyrene	10.031	202	127299	21.13	ppm		100
86) 3,3-Dimethylbenzidine	10.783	212	47611	21.47	ppm		100
87) Butylbenzylphthalate	10.830	149	52766	21.99	ppm		98
88) 3,3'-Dichlorobenzidine	11.419	252	40862	21.98	ppm		93
89) Benzo[a]anthracene	11.430	228	115708	21.50	ppm		97
90) Chrysene	11.477	228	113742	20.80	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.542	149	72206	22.71	ppm		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration

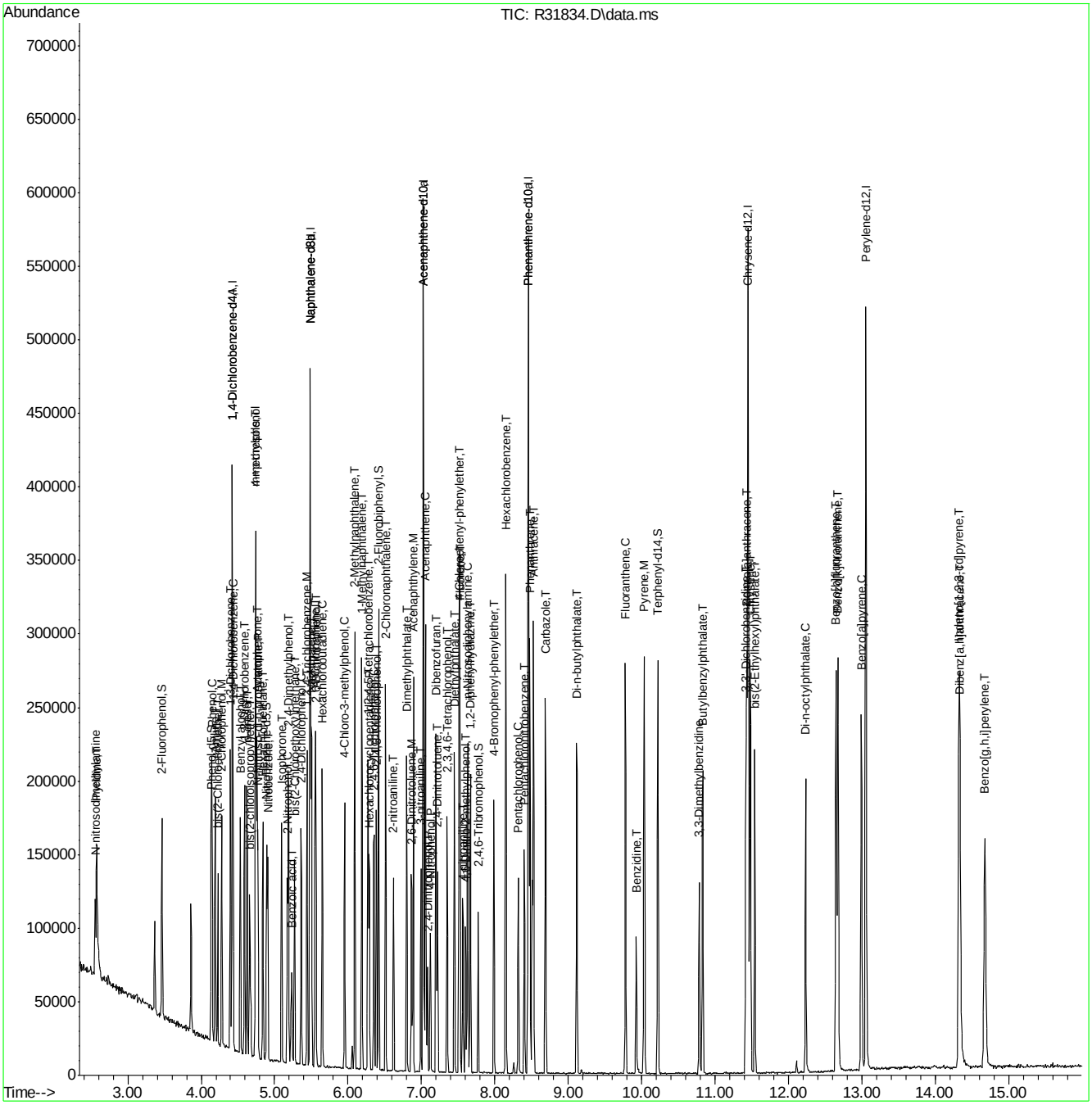
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.230	149	109176	23.83	ppm	99
94) Benzo[b]fluoranthene	12.648	252	121301	21.35	ppm	97
95) Benzo[k]fluoranthene	12.672	252	125067	22.57	ppm	97
96) Benzo[a]pyrene	12.989	252	113294	23.38	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.324	276	137292	22.48	ppm	88
98) Dibenz[a,h]anthracene	14.336	278	111343	22.51	ppm	98
99) Benzo[g,h,i]perylene	14.671	276	114707	22.23	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23630

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	60503	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	60503	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	224861	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	224861	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	138065	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	138065	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	242175	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	242175	40.00	ppm		0.00
82) Chrysene-d12	11.454	240	270189	40.00	ppm		0.00
92) Perylene-d12	13.054	264	262365	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	224861	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.466	112	146080	80.95	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 80.95%				
7) Phenol-d5	4.143	99	185174	80.94	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 80.94%				
24) Nitrobenzene-d5	4.890	82	171072	80.83	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 161.66%#				
48) 2-Fluorobiphenyl	6.419	172	367337	80.74	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 161.48%#				
71) 2,4,6-Tribromophenol	7.778	330	62320	92.29	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 92.29%				
85) Terphenyl-d14	10.219	244	466379	82.34	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 164.68%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.560	74	95161	81.70	ug/l		85
3) Pyridine	2.572	79	173375	80.79	ppm		93
4) Aniline	4.190	93	226620	84.44	ppm	#	1
6) bis(2-Chloroethyl)ether	4.225	63	103993	80.55	ppm		88
8) Phenol	4.154	94	189494	84.19	ppm		97
9) 2-Chlorophenol	4.284	128	158965	84.00	ppm		97
10) 1,3-Dichlorobenzene	4.396	146	174784	80.12	ppm		99
11) 1,4-Dichlorobenzene	4.437	146	183171	81.11	ppm		99
12) 1,2-Dichlorobenzene	4.590	146	165338	82.49	ppm		98
13) Benzyl alcohol	4.537	108	102620	84.95	ppm		98
14) bis(2-chloroisopropyl)...	4.660	45	178962	81.07	ppm		83
15) o-cresol	4.631	108	139697	85.98	ppm		81
16) Acetophenone	4.760	105	224175	82.43	ppm		96
17) Hexachloroethane	4.843	117	68901	81.79	ppm		91
18) N-Nitroso-di-n-propyla...	4.778	70	105251	82.71	ppm		85
19) m+p-cresols	4.749	108	302988	170.50	ppm		97
20) 4-methylphenol	4.749	108	302988	170.54	ppm		97
25) Nitrobenzene	4.907	77	170655	79.02	ppm		93
26) Isophorone	5.096	82	290293	82.57	ppm		99
27) 2-Nitrophenol	5.172	139	83722	84.52	ppm		88
28) 2,4-Dimethylphenol	5.190	107	153128	82.90	ppm		97
29) bis(2-Chloroethoxy)met...	5.272	93	173481	81.47	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30)	Benzoic acid	5.272	105	117860	105.90	ppm		92
31)	2,4-Dichlorophenol	5.366	162	136507	83.63	ppm		99
32)	1,2,4-Trichlorobenzene	5.443	180	147150	79.28	ppm		97
33)	Naphthalene	5.501	128	460263	79.67	ppm		99
34)	2,6-Dichlorophenol	5.566	162	132676	81.21	ppm		94
35)	4-Chloroaniline	5.554	127	195522	82.47	ppm		100
36)	Hexachlorobutadiene	5.649	225	93063	80.50	ppm		98
37)	4-Chloro-3-methylphenol	5.954	107	133116	85.08	ppm		92
38)	2-Methylnaphthalene	6.090	142	329038	81.41	ppm		95
39)	1-Methylnaphthalene	6.190	142	317890	80.22	ppm		93
40)	1,2,4,5-Tetrachloroben...	6.272	216	168769	77.33	ppm		100
44)	Pentachloronitrobenzene	8.407	237	48472	86.95	ppm		96
45)	Hexachlorocyclopentadiene	6.290	237	111120	86.16	ppm		98
46)	2,4,6-Trichlorophenol	6.354	196	107277	87.29	ppm		93
47)	2,4,5-Trichlorophenol	6.384	196	111256	84.96	ppm		99
49)	2-Chloronaphthalene	6.513	162	293904	80.48	ppm		94
50)	Acenaphthylene	6.890	152	490303	83.68	ppm		100
51)	Dimethylphthalate	6.807	163	344670	83.57	ppm		100
52)	2,4-Dinitrotoluene	7.225	165	105039	86.92	ppm		96
53)	Acenaphthene	7.054	153	316498	83.17	ppm		99
54)	2,4-Dinitrophenol	7.084	184	54411	94.72	ppm		96
55)	Dibenzofuran	7.201	168	446301	82.76	ppm		99
56)	2,6-Dinitrotoluene	6.866	165	82198	91.25	ppm		73
57)	4-Nitrophenol	7.125	65	68946	86.42	ppm	#	76
58)	2,3,4,6-Tetrachlorophenol	7.348	232	99182	91.28	ppm		100
59)	Fluorene	7.525	166	361247	83.64	ppm		100
60)	4-Chlorophenyl-phenyle...	7.519	204	176034	82.76	ppm		98
61)	Diethylphthalate	7.454	149	345081	84.36	ppm		98
62)	2-nitroaniline	6.625	138	99381	89.98	ppm		90
63)	3-nitroaniline	6.995	138	86569	86.86	ppm		93
64)	4-nitroaniline	7.572	138	83664	84.83	ppm		85
68)	4,6-Dinitro-2-methylph...	7.613	198	73851	95.45	ppm		100
69)	n-Nitrosodiphenylamine	7.631	169	260791	84.95	ppm		98
70)	1,2-Diphenylhydrazine	7.666	77	332090	82.14	ppm		96
72)	4-Bromophenyl-phenylether	7.990	248	105847	82.73	ppm		99
73)	Hexachlorobenzene	8.148	284	118666	81.09	ppm		99
74)	Pentachlorophenol	8.325	266	82047	95.21	ppm		98
75)	Phenanthrene	8.484	178	529132	82.23	ppm		100
76)	Anthracene	8.531	178	556788	85.40	ppm		99
77)	Carbazole	8.695	167	500802	87.62	ppm		99
78)	Di-n-butylphthalate	9.119	149	613562	89.98	ppm		100
79)	Fluoranthene	9.784	202	577075	86.86	ppm		98
83)	Benzidine	9.925	184	206250	95.20	ppm		99
84)	Pyrene	10.036	202	624149	83.22	ppm		100
86)	3,3-Dimethylbenzidine	10.789	212	268450	96.58	ppm		100
87)	Butylbenzylphthalate	10.831	149	260925	86.20	ppm		95
88)	3,3'-Dichlorobenzidine	11.419	252	231674	98.82	ppm		99
89)	Benzo[a]anthracene	11.430	228	576686	85.77	ppm		100
90)	Chrysene	11.483	228	559366	82.46	ppm		98
91)	bis(2-Ethylhexyl)phtha...	11.542	149	380195	93.97	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration

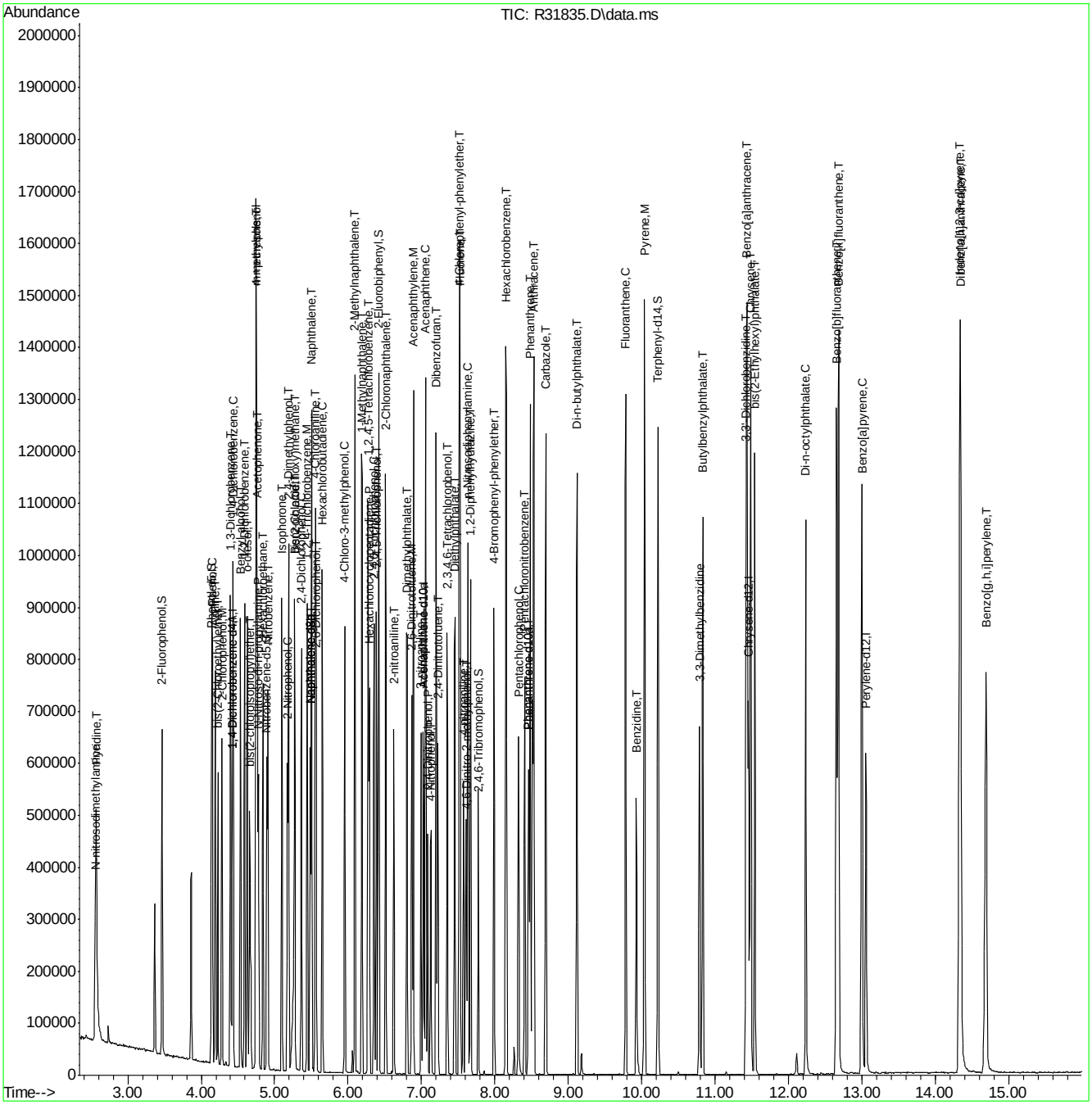
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	613966	103.10	ppm	99
94) Benzo[b]fluoranthene	12.654	252	605090	84.71	ppm	99
95) Benzo[k]fluoranthene	12.683	252	622047	88.23	ppm	97
96) Benzo[a]pyrene	13.001	252	570752	91.86	ppm	96
97) Indeno[1,2,3-cd]pyrene	14.336	276	702968	90.54	ppm	91
98) Dibenz[a,h]anthracene	14.342	278	559431	88.94	ppm	99
99) Benzo[g,h,i]perylene	14.689	276	577222	88.23	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	54158	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	54158	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	200776	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	200776	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	125917	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	125917	40.00	ppm	0.00
67) Phenanthrene-d10	8.460	188	221086	40.00	ppm	0.00
80) Phenanthrene-d10a	8.460	188	221086	40.00	ppm	0.00
82) Chrysene-d12	11.460	240	241245	40.00	ppm	0.00
92) Perylene-d12	13.060	264	234497	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	200776m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	206362	127.50	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 127.50%			
7) Phenol-d5	4.143	99	259408	126.43	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 126.43%			
24) Nitrobenzene-d5	4.895	82	236116	124.74	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 249.48%#			
48) 2-Fluorobiphenyl	6.425	172	514301	123.76	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 247.52%#			
71) 2,4,6-Tribromophenol	7.778	330	86880	136.74	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 136.74%#			
85) Terphenyl-d14	10.224	244	647239	127.36	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 254.72%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.554	74	133517	127.52	ug/l #	81
3) Pyridine	2.566	79	238557	123.95	ppm	89
4) Aniline	4.190	93	312582	128.92	ppm #	1
6) bis(2-Chloroethyl)ether	4.225	63	147175	127.21	ppm	85
8) Phenol	4.154	94	261710	128.78	ppm	98
9) 2-Chlorophenol	4.284	128	224163	131.24	ppm	97
10) 1,3-Dichlorobenzene	4.395	146	243499	124.66	ppm	98
11) 1,4-Dichlorobenzene	4.437	146	255712	126.21	ppm	97
12) 1,2-Dichlorobenzene	4.590	146	234064	129.79	ppm	99
13) Benzyl alcohol	4.537	108	143767	131.33	ppm	98
14) bis(2-chloroisopropyl)...	4.660	45	247142	124.79	ppm	81
15) o-cresol	4.631	108	189936	128.99	ppm	79
16) Acetophenone	4.766	105	310217	126.80	ppm	98
17) Hexachloroethane	4.842	117	95857	126.65	ppm	91
18) N-Nitroso-di-n-propyla...	4.784	70	146586	127.97	ppm	86
19) m+p-cresols	4.754	108	420159	261.28	ppm	98
20) 4-methylphenol	4.754	108	420159	261.33	ppm	98
25) Nitrobenzene	4.907	77	233401	121.28	ppm	92
26) Isophorone	5.095	82	406653	128.86	ppm	98
27) 2-Nitrophenol	5.178	139	116124	129.83	ppm	97
28) 2,4-Dimethylphenol	5.190	107	217491	130.92	ppm	95
29) bis(2-Chloroethoxy)met...	5.272	93	241373	126.48	ppm	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.284	105	168394	156.77	ppm		96
31) 2,4-Dichlorophenol	5.366	162	187778	127.69	ppm		97
32) 1,2,4-Trichlorobenzene	5.448	180	204227	123.41	ppm		99
33) Naphthalene	5.501	128	642164	124.57	ppm		99
34) 2,6-Dichlorophenol	5.566	162	186478	127.45	ppm		96
35) 4-Chloroaniline	5.554	127	268103	125.88	ppm		100
36) Hexachlorobutadiene	5.648	225	129200	125.04	ppm		100
37) 4-Chloro-3-methylphenol	5.954	107	183644	129.80	ppm		97
38) 2-Methylnaphthalene	6.089	142	452390	124.99	ppm		96
39) 1-Methylnaphthalene	6.189	142	433056	122.34	ppm		96
40) 1,2,4,5-Tetrachloroben...	6.272	216	232522	119.99	ppm		98
44) Pentachloronitrobenzene	8.407	237	66864	128.72	ppm		96
45) Hexachlorocyclopentadiene	6.289	237	157499	131.87	ppm		96
46) 2,4,6-Trichlorophenol	6.354	196	147593	129.32	ppm		96
47) 2,4,5-Trichlorophenol	6.384	196	153108	126.64	ppm		100
49) 2-Chloronaphthalene	6.519	162	411276	123.36	ppm		97
50) Acenaphthylene	6.889	152	681362	126.54	ppm		99
51) Dimethylphthalate	6.807	163	475981	125.60	ppm		99
52) 2,4-Dinitrotoluene	7.225	165	147554	131.60	ppm		91
53) Acenaphthene	7.060	153	435291	124.60	ppm		100
54) 2,4-Dinitrophenol	7.089	184	79663	143.27	ppm		91
55) Dibenzofuran	7.201	168	620765	125.49	ppm		97
56) 2,6-Dinitrotoluene	6.872	165	114393	135.43	ppm	#	62
57) 4-Nitrophenol	7.131	65	95470	128.63	ppm		87
58) 2,3,4,6-Tetrachlorophenol	7.354	232	134031	131.54	ppm		98
59) Fluorene	7.525	166	499158	125.77	ppm		99
60) 4-Chlorophenyl-phenyle...	7.519	204	240768	123.41	ppm		95
61) Diethylphthalate	7.454	149	476544	126.58	ppm		98
62) 2-nitroaniline	6.625	138	137621	133.29	ppm		91
63) 3-nitroaniline	6.995	138	119043	128.22	ppm		88
64) 4-nitroaniline	7.578	138	119501	130.88	ppm		88
68) 4,6-Dinitro-2-methylph...	7.613	198	101635	137.27	ppm		100
69) n-Nitrosodiphenylamine	7.636	169	360102	127.18	ppm		98
70) 1,2-Diphenylhydrazine	7.672	77	456935	123.25	ppm		97
72) 4-Bromophenyl-phenylether	7.989	248	148681	126.58	ppm		97
73) Hexachlorobenzene	8.148	284	164135	122.58	ppm		99
74) Pentachlorophenol	8.325	266	116494	141.36	ppm		97
75) Phenanthrene	8.483	178	722841	122.47	ppm		99
76) Anthracene	8.530	178	764579	127.03	ppm		99
77) Carbazole	8.695	167	706065	133.20	ppm		99
78) Di-n-butylphthalate	9.119	149	847814	132.88	ppm		99
79) Fluoranthene	9.783	202	795520	129.31	ppm		100
83) Benzidine	9.930	184	282972	140.93	ppm		99
84) Pyrene	10.042	202	870788	129.17	ppm		97
86) 3,3-Dimethylbenzidine	10.789	212	366855	141.93	ppm		100
87) Butylbenzylphthalate	10.830	149	370106	134.85	ppm		97
88) 3,3'-Dichlorobenzidine	11.424	252	323904	147.78	ppm		98
89) Benzo[a]anthracene	11.436	228	800204	131.71	ppm		100
90) Chrysene	11.489	228	780853	128.27	ppm		99
91) bis(2-Ethylhexyl)phtha...	11.542	149	534624	142.99	ppm		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration

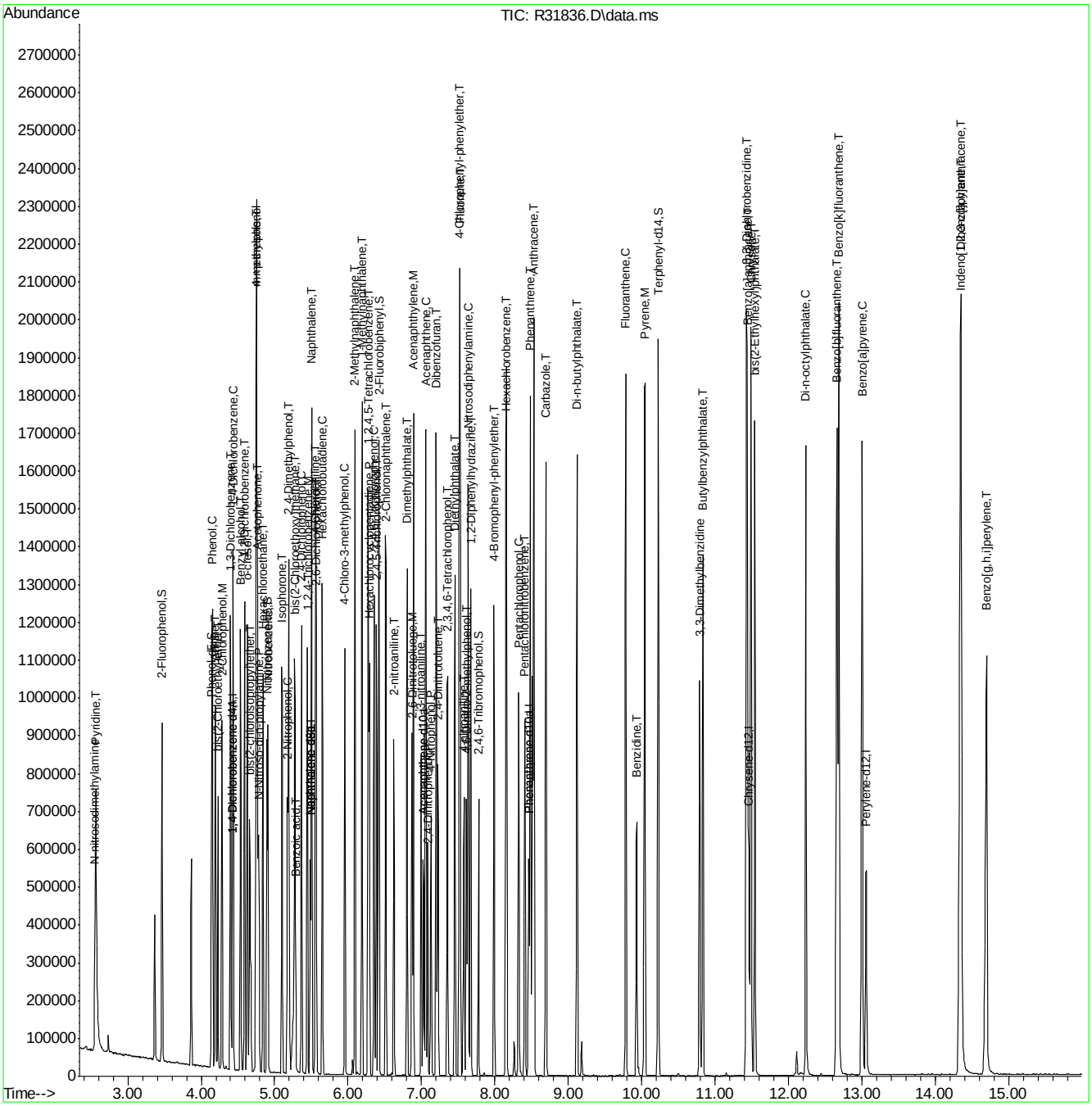
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	881487	156.57	ppm	99
94) Benzo[b]fluoranthene	12.660	252	907022	140.68	ppm	98
95) Benzo[k]fluoranthene	12.683	252	813670	126.95	ppm	98
96) Benzo[a]pyrene	13.001	252	784721	137.90	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.342	276	992175	139.90	ppm	95
98) Dibenz[a,h]anthracene	14.348	278	797085	139.18	ppm	98
99) Benzo[g,h,i]perylene	14.695	276	806240	135.55	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	50272	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	50272	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	179223	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	179223	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	113814	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	113814	40.00	ppm	0.00
67) Phenanthrene-d10	8.460	188	198099	40.00	ppm	0.00
80) Phenanthrene-d10a	8.460	188	198099	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	218244	40.00	ppm	0.00
92) Perylene-d12	13.054	264	210724	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	179232m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	253032	166.93	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 166.93%#			
7) Phenol-d5	4.148	99	320502	167.00	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 167.00%#			
24) Nitrobenzene-d5	4.895	82	288990	170.07	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 340.14%#			
48) 2-Fluorobiphenyl	6.425	172	620525	164.47	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 328.94%#			
71) 2,4,6-Tribromophenol	7.778	330	105558	181.20	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 181.20%#			
85) Terphenyl-d14	10.224	244	785889	169.46	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 338.92%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.554	74	164142	167.14	ug/l	84
3) Pyridine	2.566	79	288336	160.51	ppm	91
4) Aniline	4.195	93	383349	168.54	ppm #	1
6) bis(2-Chloroethyl)ether	4.225	63	178550	164.85	ppm	84
8) Phenol	4.154	94	322550	169.21	ppm	97
9) 2-Chlorophenol	4.284	128	271462	168.95	ppm	100
10) 1,3-Dichlorobenzene	4.395	146	300207	164.66	ppm	98
11) 1,4-Dichlorobenzene	4.437	146	314444	165.97	ppm	96
12) 1,2-Dichlorobenzene	4.590	146	285461	168.56	ppm	100
13) Benzyl alcohol	4.537	108	174167	168.75	ppm	95
14) bis(2-chloroisopropyl)...	4.660	45	305677	165.34	ppm	81
15) o-cresol	4.631	108	234170	169.51	ppm	81
16) Acetophenone	4.766	105	376289	164.36	ppm	100
17) Hexachloroethane	4.842	117	115747	163.46	ppm	92
18) N-Nitroso-di-n-propyla...	4.784	70	179357	167.09	ppm	85
19) m+p-cresols	4.754	108	516535	341.72	ppm	98
20) 4-methylphenol	4.754	108	516535	341.77	ppm	98
25) Nitrobenzene	4.913	77	286519	166.53	ppm	97
26) Isophorone	5.101	82	497277	174.68	ppm	98
27) 2-Nitrophenol	5.178	139	145555	179.85	ppm	98
28) 2,4-Dimethylphenol	5.190	107	264615	175.78	ppm	96
29) bis(2-Chloroethoxy)met...	5.278	93	294839	171.53	ppm	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.290	105	209388	205.77	ppm		92
31) 2,4-Dichlorophenol	5.366	162	232823	175.48	ppm		98
32) 1,2,4-Trichlorobenzene	5.448	180	254785	171.78	ppm		98
33) Naphthalene	5.501	128	803204	173.61	ppm		99
34) 2,6-Dichlorophenol	5.566	162	225612	170.97	ppm		96
35) 4-Chloroaniline	5.560	127	333729	174.11	ppm		100
36) Hexachlorobutadiene	5.648	225	155868	167.98	ppm		98
37) 4-Chloro-3-methylphenol	5.954	107	224748	175.57	ppm		99
38) 2-Methylnaphthalene	6.095	142	558643	171.89	ppm		95
39) 1-Methylnaphthalene	6.189	142	530263	167.35	ppm		95
40) 1,2,4,5-Tetrachloroben...	6.272	216	283132	163.68	ppm		100
44) Pentachloronitrobenzene	8.413	237	83018	174.28	ppm		98
45) Hexachlorocyclopentadiene	6.289	237	194667	177.40	ppm		98
46) 2,4,6-Trichlorophenol	6.354	196	179613	171.89	ppm		94
47) 2,4,5-Trichlorophenol	6.384	196	187671	170.16	ppm		96
49) 2-Chloronaphthalene	6.519	162	500046	165.28	ppm		96
50) Acenaphthylene	6.889	152	834518	170.14	ppm		100
51) Dimethylphthalate	6.807	163	583310	169.17	ppm		99
52) 2,4-Dinitrotoluene	7.231	165	182759	177.48	ppm		95
53) Acenaphthene	7.060	153	537854	169.40	ppm		99
54) 2,4-Dinitrophenol	7.089	184	97223	184.50	ppm		85
55) Dibenzofuran	7.201	168	756639	168.13	ppm		98
56) 2,6-Dinitrotoluene	6.872	165	138375	177.44	ppm	#	62
57) 4-Nitrophenol	7.131	65	118394	173.98	ppm		83
58) 2,3,4,6-Tetrachlorophenol	7.354	232	166949	178.41	ppm		98
59) Fluorene	7.531	166	616734	170.74	ppm		98
60) 4-Chlorophenyl-phenyle...	7.519	204	293229	165.61	ppm		96
61) Diethylphthalate	7.454	149	586849	171.12	ppm		97
62) 2-nitroaniline	6.625	138	170792	179.70	ppm		89
63) 3-nitroaniline	7.001	138	146154	171.81	ppm		95
64) 4-nitroaniline	7.578	138	146300	174.11	ppm		84
68) 4,6-Dinitro-2-methylph...	7.613	198	128568	188.37	ppm		100
69) n-Nitrosodiphenylamine	7.636	169	440260	172.06	ppm		99
70) 1,2-Diphenylhydrazine	7.672	77	564004	169.13	ppm		98
72) 4-Bromophenyl-phenylether	7.989	248	180393	170.06	ppm		97
73) Hexachlorobenzene	8.148	284	200255	166.40	ppm		99
74) Pentachlorophenol	8.325	266	141190	184.63	ppm		97
75) Phenanthrene	8.483	178	909636	171.50	ppm		98
76) Anthracene	8.530	178	938236	172.53	ppm		99
77) Carbazole	8.701	167	859533	178.17	ppm		99
78) Di-n-butylphthalate	9.119	149	1047691	180.04	ppm		100
79) Fluoranthene	9.783	202	986010	176.91	ppm		97
83) Benzidine	9.930	184	359721	198.04	ppm		99
84) Pyrene	10.042	202	1079071	175.03	ppm		97
86) 3,3-Dimethylbenzidine	10.789	212	452555	193.54	ppm		100
87) Butylbenzylphthalate	10.830	149	457121	180.38	ppm		95
88) 3,3'-Dichlorobenzidine	11.424	252	400871	194.66	ppm		97
89) Benzo[a]anthracene	11.436	228	980256	175.90	ppm		100
90) Chrysene	11.489	228	952946	171.35	ppm		99
91) bis(2-Ethylhexyl)phtha...	11.542	149	665537	190.68	ppm		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration

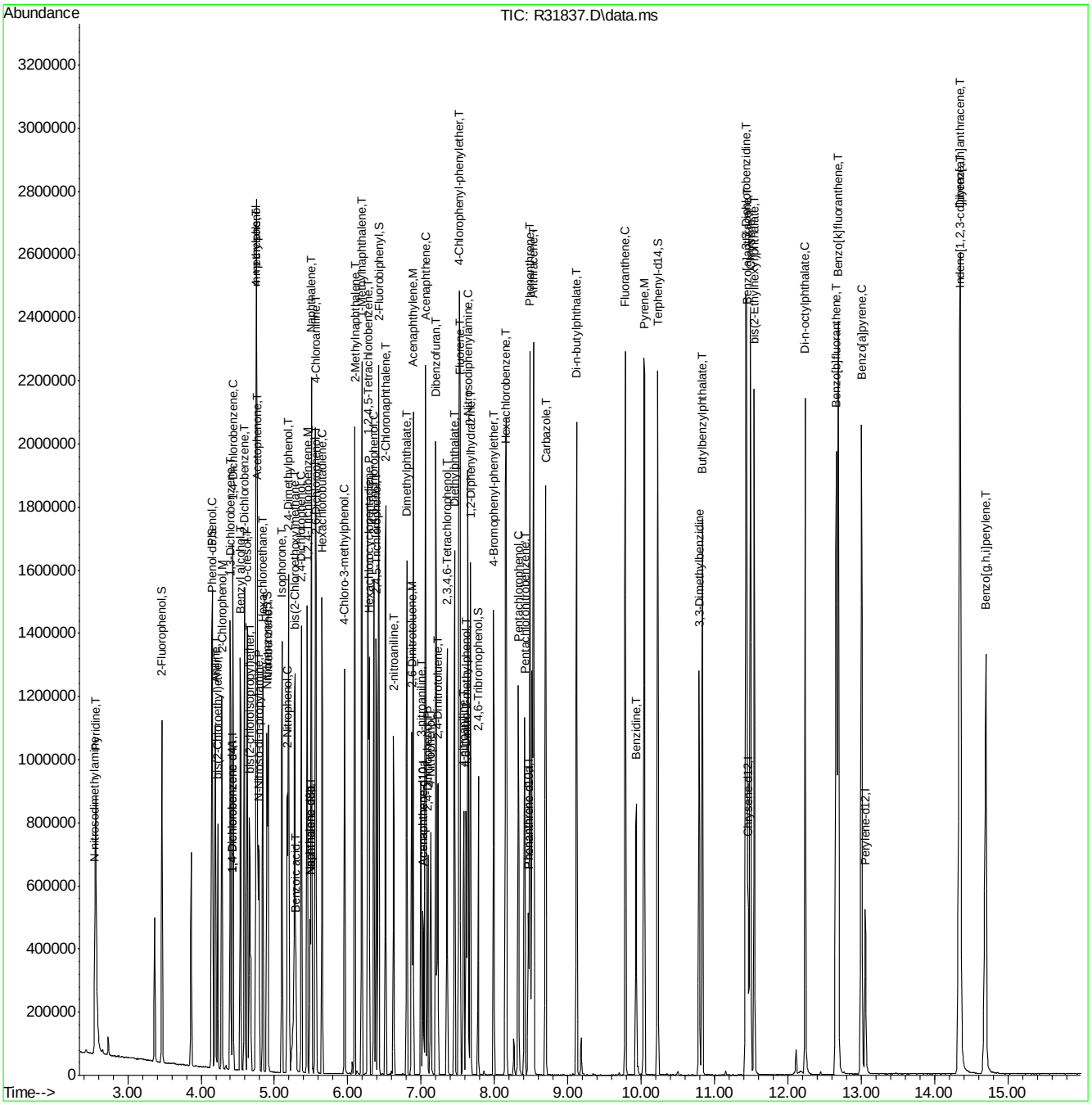
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	1096487	206.25	ppm	99
94) Benzo[b]fluoranthene	12.660	252	1081845	182.24	ppm	98
95) Benzo[k]fluoranthene	12.683	252	1028774	177.16	ppm	98
96) Benzo[a]pyrene	13.001	252	962978	184.39	ppm	99
97) Indeno[1,2,3-cd]pyrene	14.342	276	1197113	183.49	ppm	96
98) Dibenz[a,h]anthracene	14.348	278	971298	184.52	ppm	99
99) Benzo[g,h,i]perylene	14.695	276	965112	177.29	ppm	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Doug Yargeau
07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31839.D
Acq On : 28 Jun 2013 11:13 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 08 17:07:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:56:20 2013
Response via : Initial Calibration

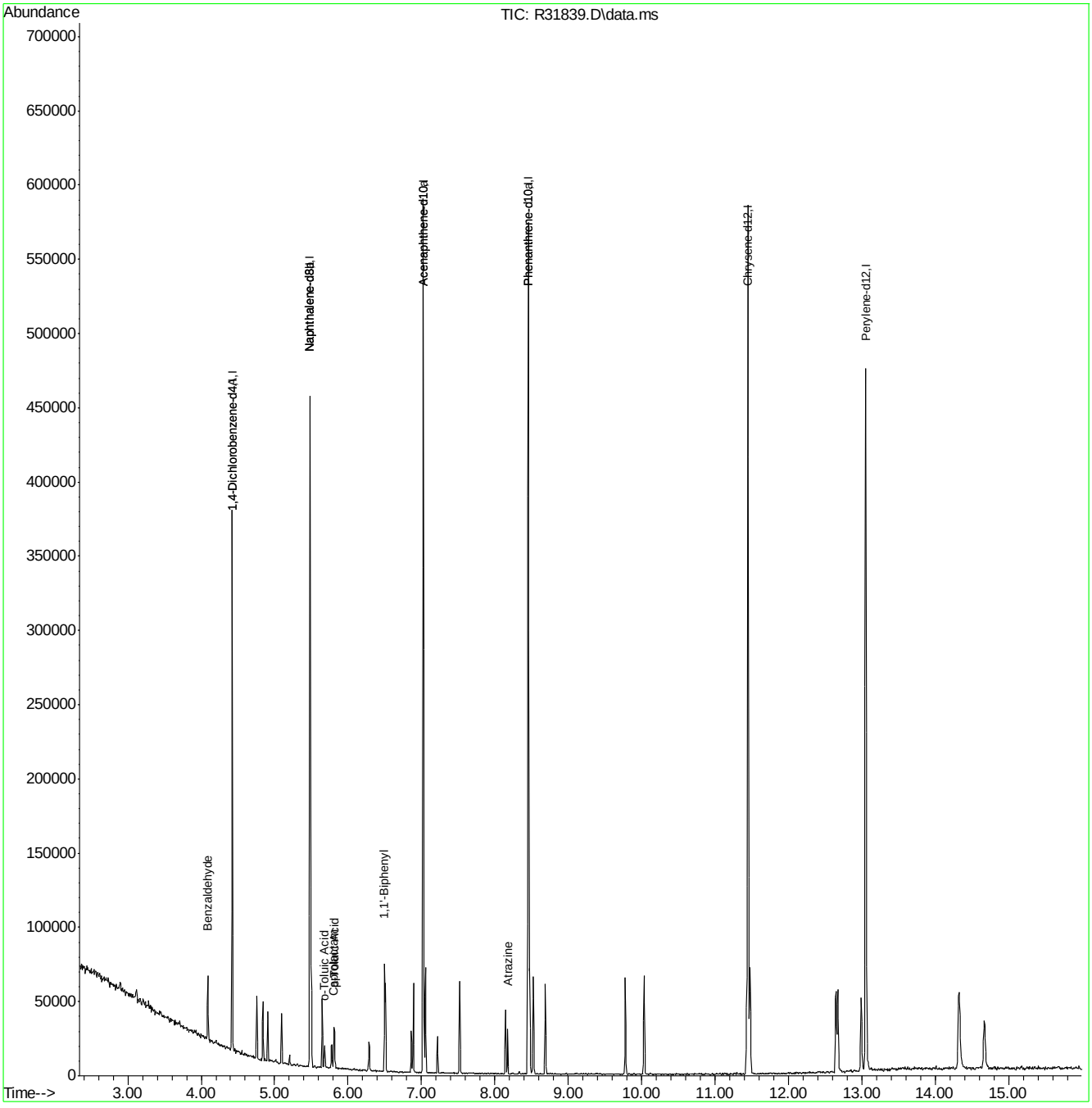
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	51755m	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	51769	40.00	PPM		0.00
23) Naphthalene-d8	5.478	136	185984m	40.00	ppm		0.00
41) Naphthalene-d8a	5.478	136	185981	40.00	ppm	#	0.00
43) Acenaphthene-d10	7.025	164	113905m	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	113927	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	203257m	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	202138	40.00	ppm		0.00
82) Chrysene-d12	11.448	240	217514m	40.00	ppm		0.00
92) Perylene-d12	13.054	264	214634m	40.00	ppm		0.00
100) Naphthalene-d8b	5.478	136	185989m	40.00	ug/mL		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
22) Benzaldehyde	4.090	77	5986m	4.51	ppm		
42) Caprolactam	5.807	55	2460	3.33	ppm	#	100
66) 1,1'-Biphenyl	6.495	154	20604	4.85	ppm	#	100
81) Atrazine	8.178	200	4006	3.69	ppm	#	100
101) o-Toluic Acid	5.678	118	2302m	2.57	ug/mL		
103) p-Toluic Acid	5.819	91	5443	3.49	ug/mL	#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31839.D
Acq On : 28 Jun 2013 11:13 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 08 17:07:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:56:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31840.D
Acq On : 28 Jun 2013 11:36 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 08 17:07:14 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:57:50 2013
Response via : Initial Calibration

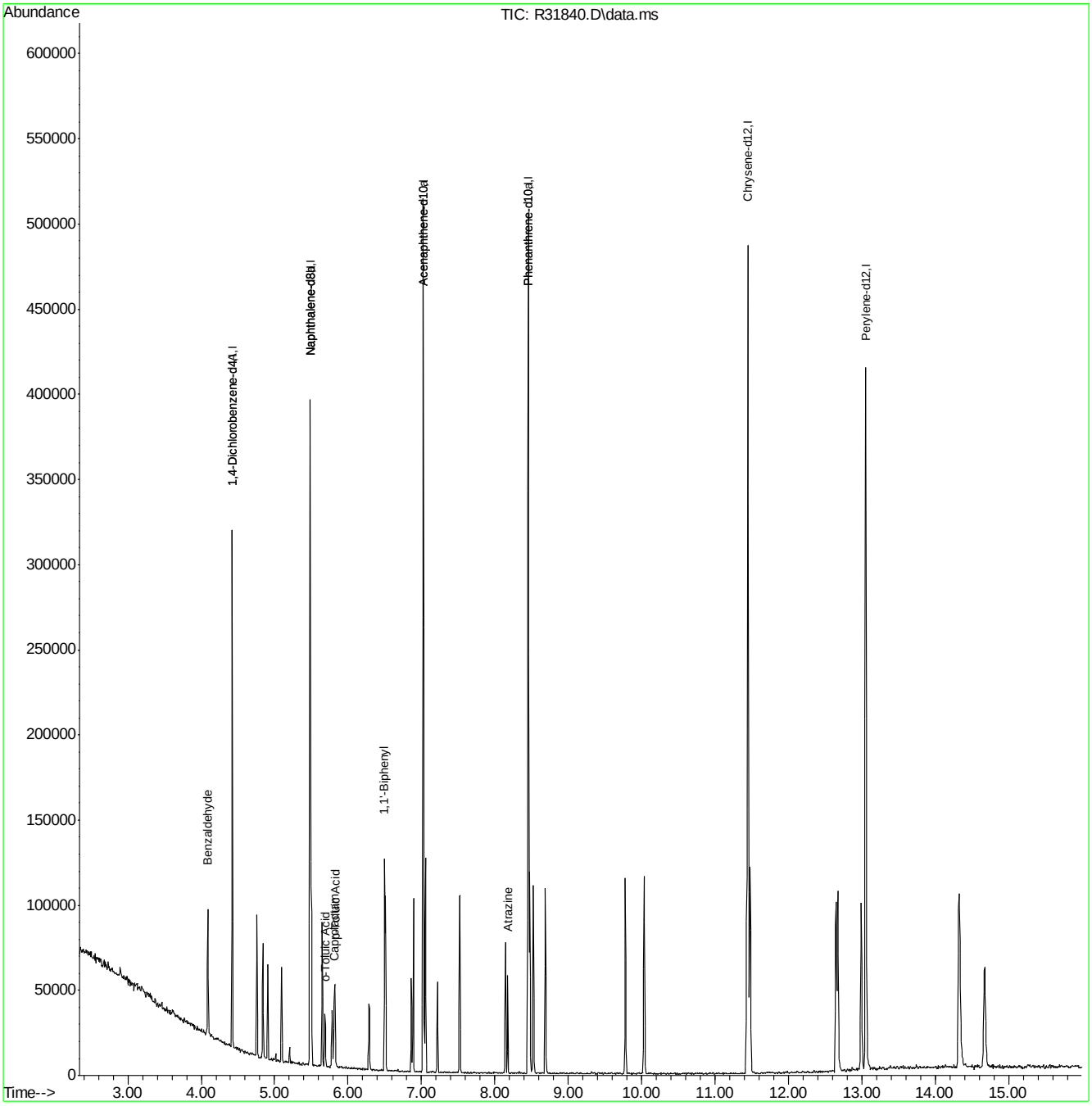
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	43065m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	43061	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	158287m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	158278	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	95549m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	95543	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	175803m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	174860	40.00	ppm	0.00
82) Chrysene-d12	11.448	240	186746m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	183518m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	158293m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	12205m	11.63	ppm	
42) Caprolactam	5.813	55	5213	9.96	ppm #	100
66) 1,1'-Biphenyl	6.495	154	34137	9.73	ppm #	100
81) Atrazine	8.178	200	7756	9.51	ppm #	100
101) o-Toluic Acid	5.690	118	4927m	8.53	ug/mL	
103) p-Toluic Acid	5.825	91	11795	10.46	ug/mL#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31840.D
Acq On : 28 Jun 2013 11:36 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 08 17:07:14 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:57:50 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31841.D
Acq On : 28 Jun 2013 11:59 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 08 17:07:54 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:58:44 2013
Response via : Initial Calibration

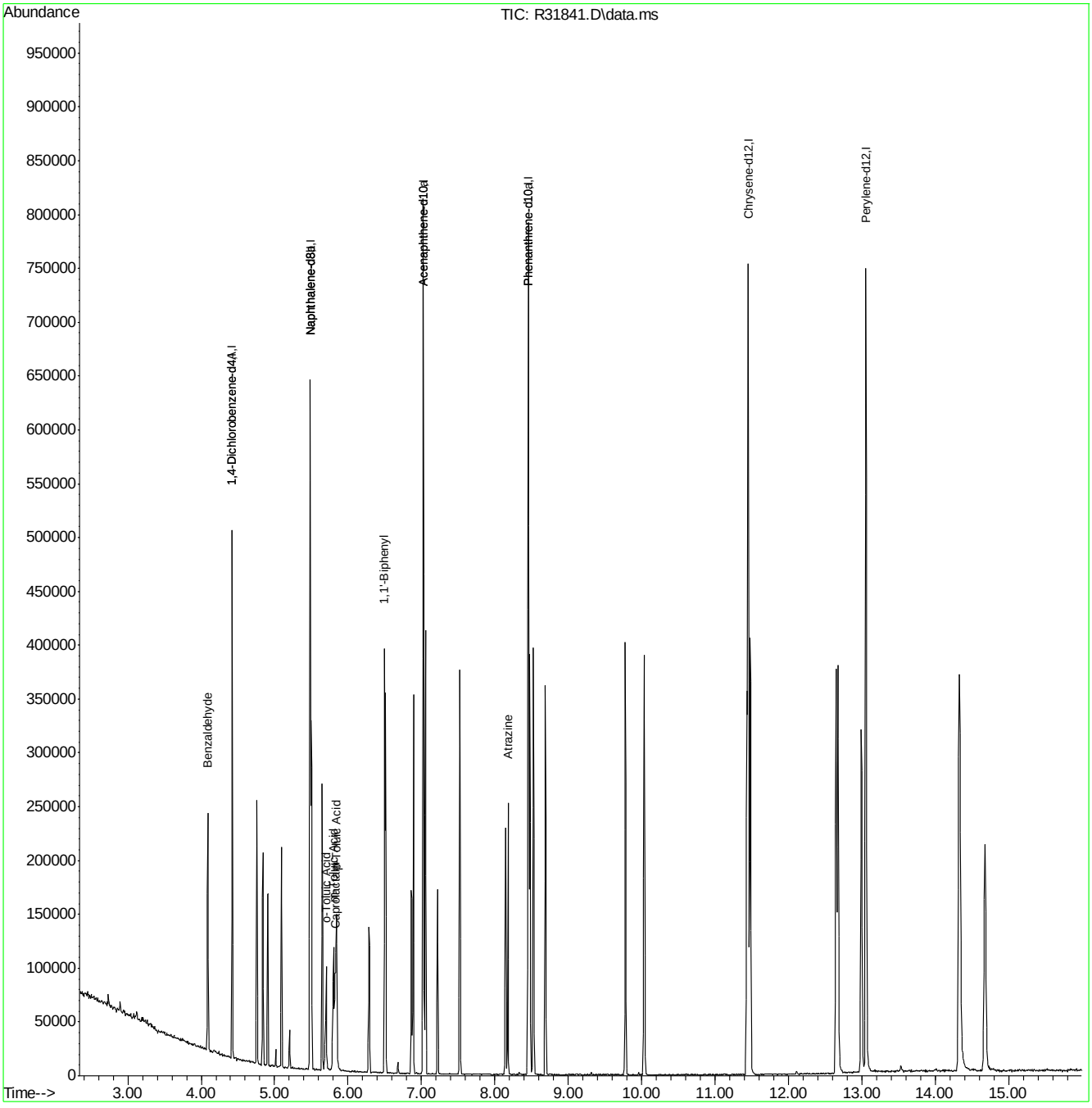
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.419	152	70121m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.419	152	70114	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	248909m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	248898	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	157195m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	157189	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	277532m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	275791	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	317196m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	311683m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	248932m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	35008m	19.43	ppm	
42) Caprolactam	5.825	55	18376	22.36	ppm	# 100
66) 1,1'-Biphenyl	6.495	154	109313	19.11	ppm	# 100
81) Atrazine	8.178	200	27375	21.64	ppm	# 100
101) o-Toluic Acid	5.701	118	19381m	22.43	ug/mL	
102) m-Toluic Acid	5.801	136	22150m	19.74	ug/mL	
103) p-Toluic Acid	5.842	91	38523	21.40	ug/mL#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31841.D
Acq On : 28 Jun 2013 11:59 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 08 17:07:54 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:58:44 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31842.D
Acq On : 29 Jun 2013 12:21 am
Operator : kristinr
Sample : IC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 08 17:08:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:56:09 2013
Response via : Initial Calibration

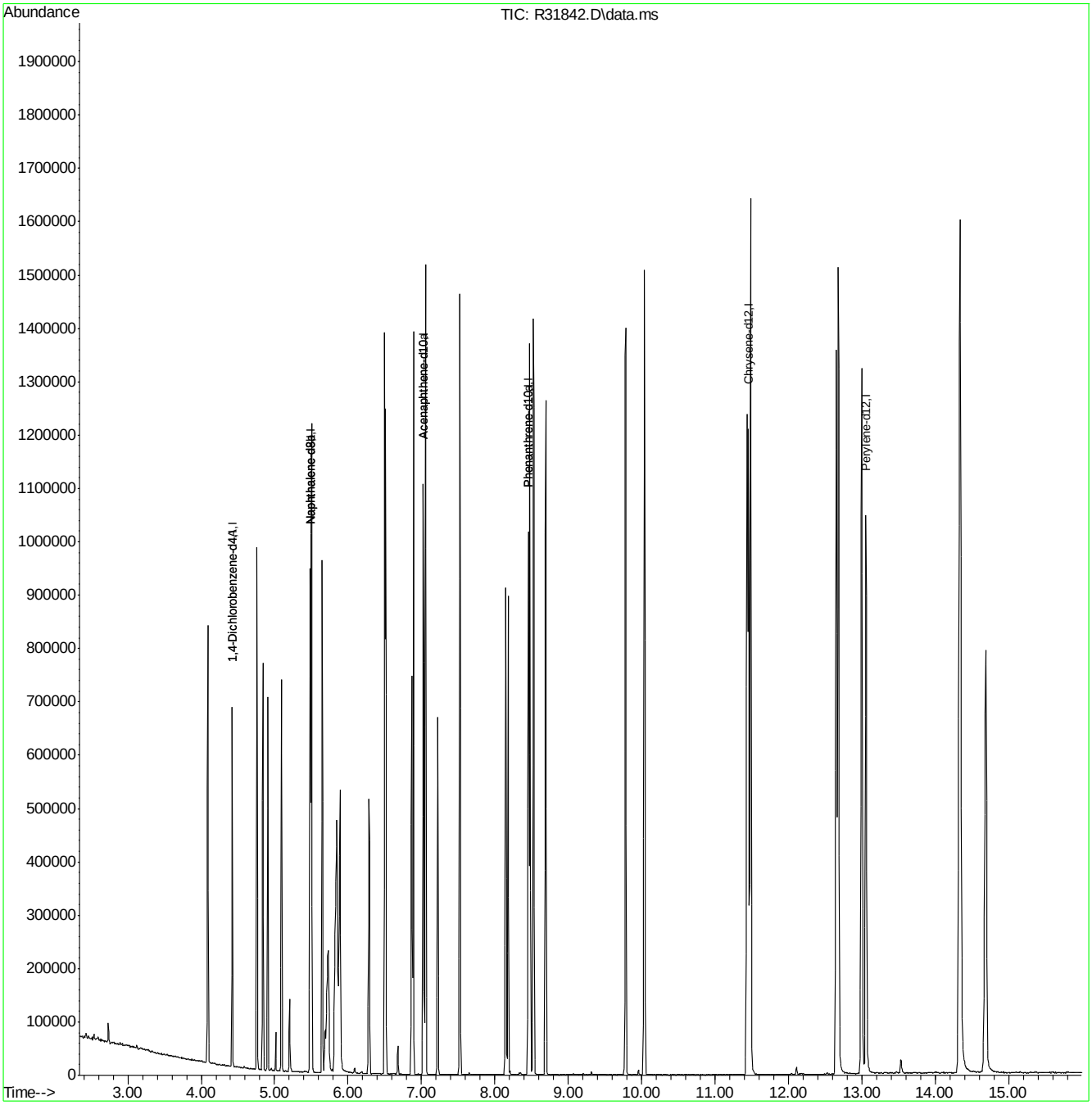
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	99665m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	99689	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	359948m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	359938	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	220423m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	220393	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	399652m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	397954	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	457283m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	457187m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	359814m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31842.D
Acq On : 29 Jun 2013 12:21 am
Operator : kristinr
Sample : IC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 08 17:08:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:56:09 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31843.D
Acq On : 29 Jun 2013 12:45 am
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 08 17:08:37 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:00:42 2013
Response via : Initial Calibration

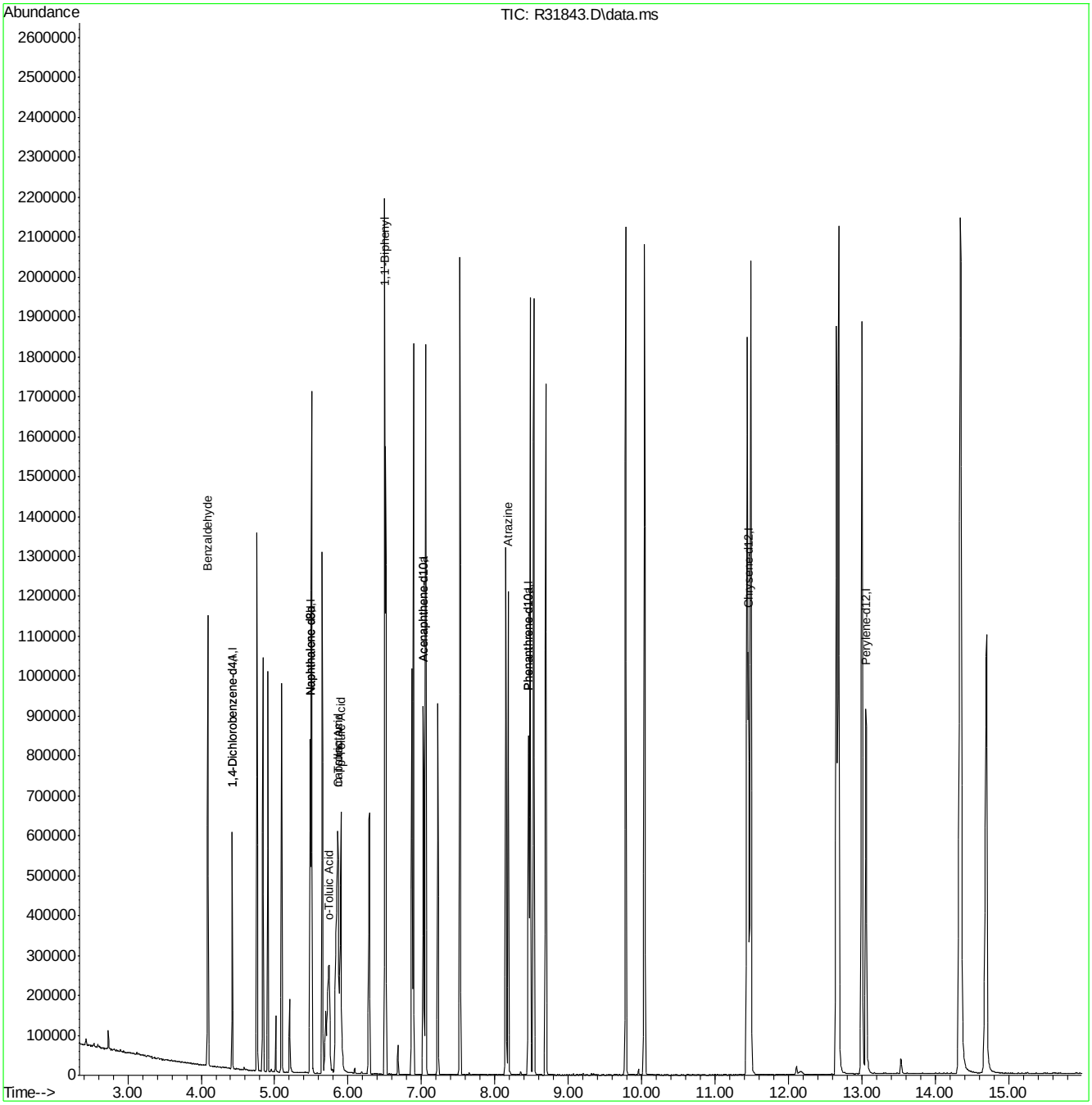
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	81660m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	81658	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	308277m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	308252	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	193654m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	193645	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	348848m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	347113	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	394970m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	393582m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	308242m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	168278m	80.76	ppm	
42) Caprolactam	5.860	55	96297m	91.89	ppm	
66) 1,1'-Biphenyl	6.501	154	566530	81.30	ppm #	100
81) Atrazine	8.183	200	147503	90.77	ppm #	100
101) o-Toluic Acid	5.742	118	125061m	113.45	ug/mL	
102) m-Toluic Acid	5.860	136	145492m	72.37	ug/mL	
103) p-Toluic Acid	5.907	91	194511m	85.77	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31843.D
Acq On : 29 Jun 2013 12:45 am
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 08 17:08:37 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:00:42 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31844.D
Acq On : 29 Jun 2013 1:08 am
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 08 17:09:01 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:02:34 2013
Response via : Initial Calibration

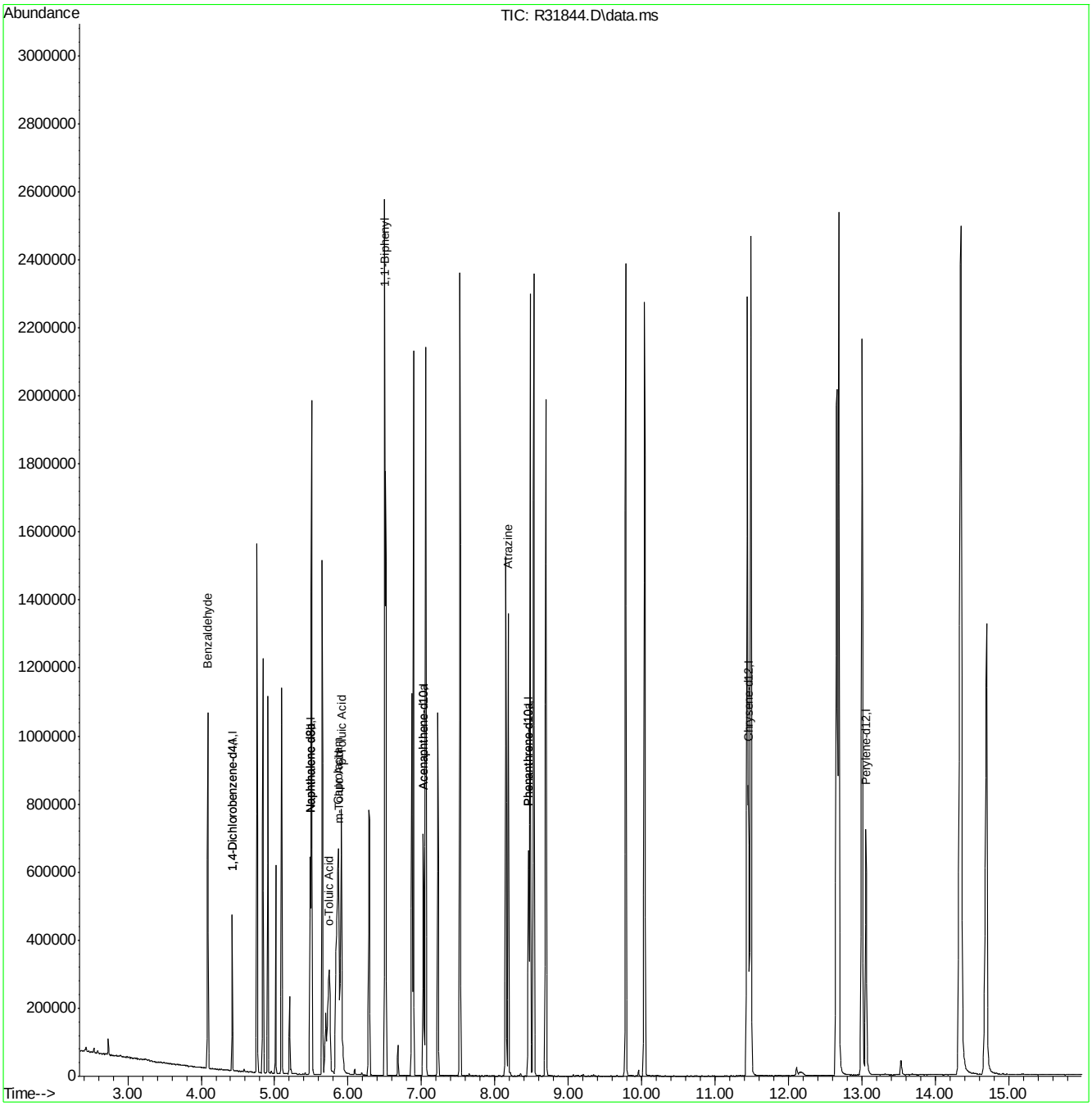
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	64215m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	64209	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	238587m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	238559	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	145572m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	145605	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	266422m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	265173	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	302539m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	297813m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	238559m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	155618m	94.80	ppm	
42) Caprolactam	5.866	55	115046m	137.76	ppm	
66) 1,1'-Biphenyl	6.501	154	658054	125.18	ppm #	100
81) Atrazine	8.184	200	168957	132.53	ppm #	100
101) o-Toluic Acid	5.742	118	148165m	160.27	ug/mL	
102) m-Toluic Acid	5.872	136	193444m	118.74	ug/mL	
103) p-Toluic Acid	5.913	91	228040m	128.08	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31844.D
Acq On : 29 Jun 2013 1:08 am
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 08 17:09:01 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:02:34 2013
Response via : Initial Calibration



R31845.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31845.D
Acq On : 29 Jun 2013 1:32 am
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 08 17:09:43 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:04:39 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	78085m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	78117	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	297117m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	297107	40.00	ppm	0.00
43) Acenaphthene-d10	7.031	164	188814m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.031	164	188789	40.00	ppm	0.00
67) Phenanthrene-d10	8.460	188	338778m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.460	188	337541	40.00	ppm	0.00
82) Chrysene-d12	11.460	240	388468m	40.00	ppm	0.00
92) Perylene-d12	13.060	264	386358m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	297107m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	195827m	98.06	ppm	
42) Caprolactam	5.884	55	195090m	163.84	ppm	
66) 1,1'-Biphenyl	6.501	154	1134425	165.25	ppm	# 100
81) Atrazine	8.195	200	293647	177.86	ppm	# 100
101) o-Toluic Acid	5.719	118	261477m	165.37	ug/mL	
102) m-Toluic Acid	5.901	136	331757m	153.09	ug/mL	
103) p-Toluic Acid	5.948	91	379240m	169.13	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

9.6.15

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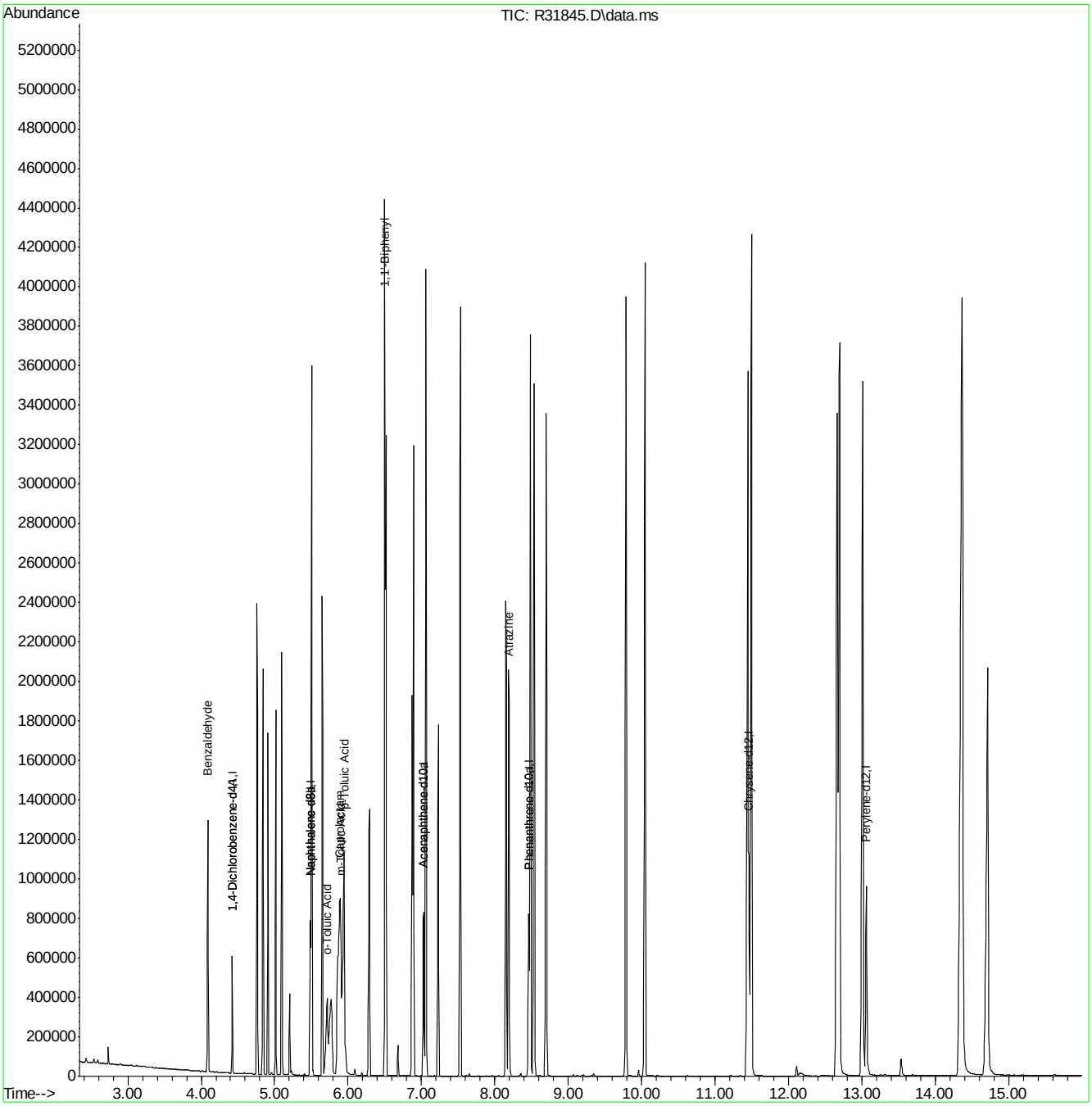
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31845.D
Acq On : 29 Jun 2013 1:32 am
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 08 17:09:43 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:04:39 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Doug Yargeau
07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	102428	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	102428	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	396436	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	396436	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	260777	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	260777	40.00	ppm		0.00
67) Phenanthrene-d10	8.460	188	461001	40.00	ppm		0.00
80) Phenanthrene-d10a	8.460	188	461001	40.00	ppm		0.00
82) Chrysene-d12	11.454	240	522330	40.00	ppm		0.00
92) Perylene-d12	13.060	264	497815	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	396436	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.466	112	162292	52.27	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 52.27%				
7) Phenol-d5	4.143	99	200950	51.11	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 51.11%				
24) Nitrobenzene-d5	4.890	82	181994	48.04	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 96.08%				
48) 2-Fluorobiphenyl	6.419	172	428486	49.39	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 98.78%				
71) 2,4,6-Tribromophenol	7.778	330	70554	51.08	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 51.08%				
85) Terphenyl-d14	10.225	244	557458	49.86	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 99.72%				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.554	74	98911	49.12	ug/l	#	81
3) Pyridine	2.566	79	162713	44.44	ppm		88
4) Aniline	4.190	93	210738	45.17	ppm	#	1
6) bis(2-Chloroethyl)ether	4.225	63	112249	50.67	ppm		90
8) Phenol	4.154	94	204234	52.21	ppm		98
9) 2-Chlorophenol	4.278	128	175569	53.26	ppm		96
10) 1,3-Dichlorobenzene	4.396	146	181775	48.76	ppm		98
11) 1,4-Dichlorobenzene	4.437	146	189184	48.78	ppm		97
12) 1,2-Dichlorobenzene	4.590	146	180024	51.83	ppm		98
13) Benzyl alcohol	4.537	108	106099	50.06	ppm		97
14) bis(2-chloroisopropyl)...	4.660	45	232887	61.57	ppm		79
15) o-cresol	4.631	108	148143	52.24	ppm		82
16) Acetophenone	4.760	105	232723	49.72	ppm		97
17) Hexachloroethane	4.843	117	72342	50.01	ppm		89
18) N-Nitroso-di-n-propyla...	4.778	70	117713	53.53	ppm		83
19) m+p-cresols	4.748	108	328647	105.81	ppm		99
20) 4-methylphenol	4.748	108	328647	105.83	ppm		99
22) Benzaldehyde	4.090	77	117515m	44.88	ppm		
25) Nitrobenzene	4.907	77	176054	46.03	ppm		95
26) Isophorone	5.095	82	301667	47.36	ppm		98
27) 2-Nitrophenol	5.172	139	89933	49.36	ppm		92
28) 2,4-Dimethylphenol	5.190	107	168483	49.90	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) bis(2-Chloroethoxy)met...	5.272	93	192217	50.04	ppm		98
30) Benzoic acid	5.272	105	136105	53.41	ppm		96
31) 2,4-Dichlorophenol	5.366	162	150620	50.62	ppm		100
32) 1,2,4-Trichlorobenzene	5.443	180	166612	50.32	ppm		98
33) Naphthalene	5.501	128	511298	49.44	ppm		99
34) 2,6-Dichlorophenol	5.566	162	145894	49.50	ppm		94
35) 4-Chloroaniline	5.554	127	167949	39.12	ppm		100
36) Hexachlorobutadiene	5.648	225	98872	47.87	ppm		96
37) 4-Chloro-3-methylphenol	5.960	107	144195	50.23	ppm		99
38) 2-Methylnaphthalene	6.090	142	343497	47.34	ppm		95
39) 1-Methylnaphthalene	6.184	142	339582	48.17	ppm		95
40) 1,2,4,5-Tetrachloroben...	6.272	216	179190	46.70	ppm		98
42) Caprolactam	5.831	55	74420	47.86	ppm	#	100
44) Pentachloronitrobenzene	8.407	237	52229	47.15	ppm		96
45) Hexachlorocyclopentadiene	6.290	237	61559	24.11	ppm		99
46) 2,4,6-Trichlorophenol	6.354	196	120111	49.64	ppm		97
47) 2,4,5-Trichlorophenol	6.390	196	131241	51.47	ppm		98
49) 2-Chloronaphthalene	6.513	162	347577	49.93	ppm		96
50) Acenaphthylene	6.889	152	558012m	49.26	ppm		
51) Dimethylphthalate	6.807	163	383077	48.14	ppm		99
52) 2,4-Dinitrotoluene	7.225	165	126189	52.66	ppm		98
53) Acenaphthene	7.054	153	359375	49.04	ppm		99
54) 2,4-Dinitrophenol	7.084	184	62344	50.10	ppm		91
55) Dibenzofuran	7.201	168	486232	46.86	ppm		99
56) 2,6-Dinitrotoluene	6.866	165	89759	49.46	ppm		73
57) 4-Nitrophenol	7.131	65	75053	47.44	ppm		87
58) 2,3,4,6-Tetrachlorophenol	7.354	232	109848	50.40	ppm		99
59) Fluorene	7.525	166	421393	50.49	ppm		99
60) 4-Chlorophenyl-phenyle...	7.513	204	203060	49.83	ppm		90
61) Diethylphthalate	7.454	149	407241	51.38	ppm		98
62) 2-nitroaniline	6.625	138	111580	50.35	ppm		92
63) 3-nitroaniline	6.995	138	74182	37.60	ppm		94
64) 4-nitroaniline	7.572	138	93866	48.05	ppm		86
66) 1,1'-Biphenyl	6.501	154	439270	46.11	ppm	#	100
68) 4,6-Dinitro-2-methylph...	7.613	198	89921	52.04	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	289409	48.15	ppm		98
70) 1,2-Diphenylhydrazine	7.666	77	374751	47.95	ppm		98
72) 4-Bromophenyl-phenylether	7.989	248	117706	47.31	ppm		98
73) Hexachlorobenzene	8.148	284	142551	50.65	ppm		98
74) Pentachlorophenol	8.325	266	92571	50.72	ppm		100
75) Phenanthrene	8.483	178	617835	49.61	ppm		99
76) Anthracene	8.531	178	616762	48.26	ppm		99
77) Carbazole	8.695	167	581297	51.05	ppm		99
78) Di-n-butylphthalate	9.119	149	687192	49.85	ppm		100
79) Fluoranthene	9.783	202	704215	53.59	ppm		99
81) Atrazine	8.184	200	120641m	53.50	ppm		
83) Benzidine	9.925	184	288266	60.27	ppm		99
84) Pyrene	10.036	202	729336	48.86	ppm		99
87) Butylbenzylphthalate	10.830	149	307300	49.76	ppm		96
88) 3,3'-Dichlorobenzidine	11.419	252	193426	35.70	ppm		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

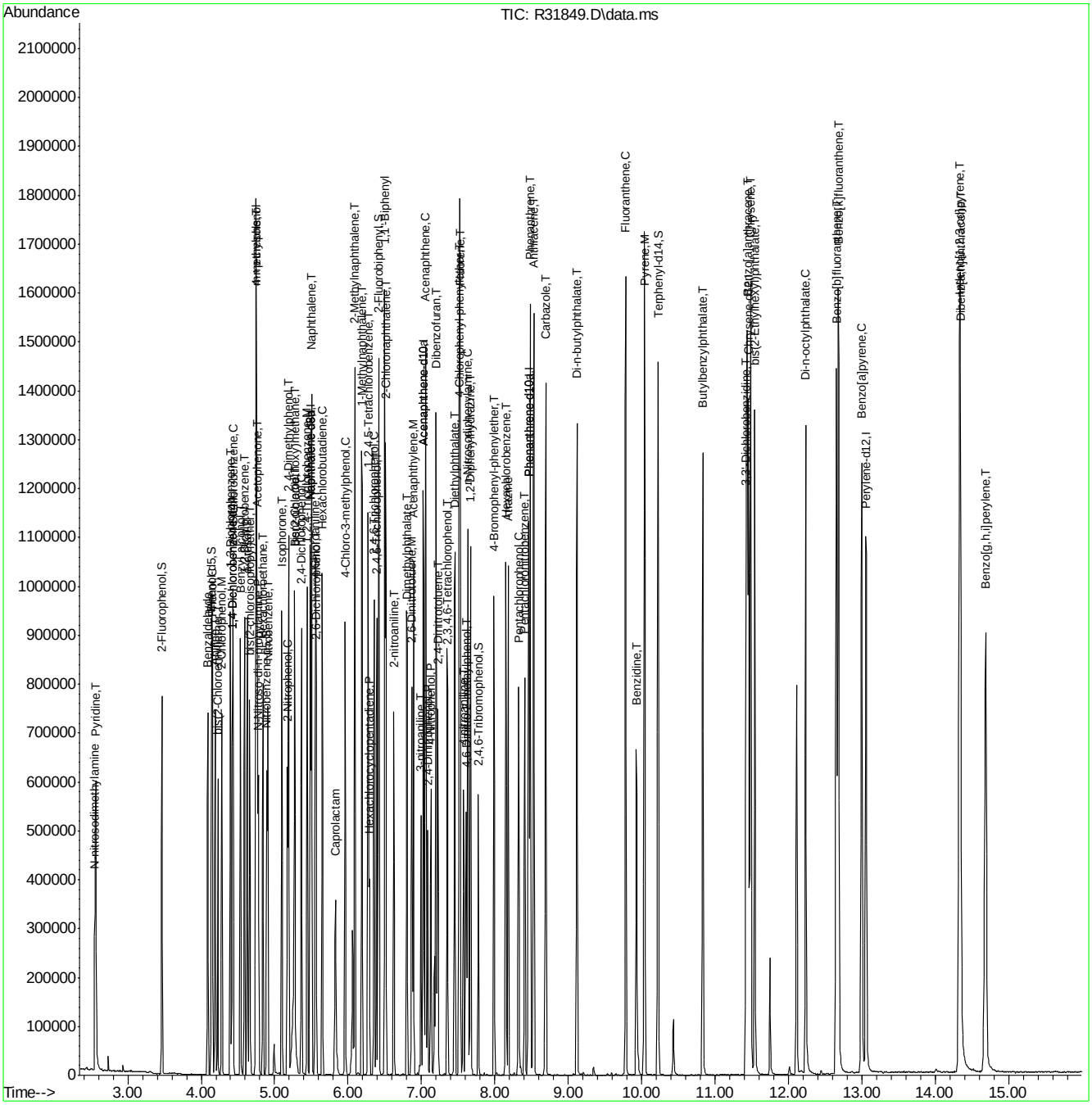
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89)	Benzo[a]anthracene	11.436	228	717890	53.16	ppm	98
90)	Chrysene	11.483	228	663099	49.38	ppm	99
91)	bis(2-Ethylhexyl)phtha...	11.542	149	455136	49.31	ppm	100
93)	Di-n-octylphthalate	12.230	149	771729	52.01	ppm	99
94)	Benzo[b]fluoranthene	12.654	252	726188	50.90	ppm	98
95)	Benzo[k]fluoranthene	12.677	252	726398	52.25	ppm	98
96)	Benzo[a]pyrene	12.995	252	600680	47.78	ppm	98
97)	Indeno[1,2,3-cd]pyrene	14.330	276	791853	50.45	ppm	91
98)	Dibenz[a,h]anthracene	14.342	278	639524	50.46	ppm	98
99)	Benzo[g,h,i]perylene	14.683	276	657776	50.47	ppm	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 08/26/13 14:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32871.D
Acq On : 21 Aug 2013 7:48 am
Operator : kristinr
Sample : CC1159-80, TCL11
Misc : OP34233,MSR1199,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 26 10:38:41 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

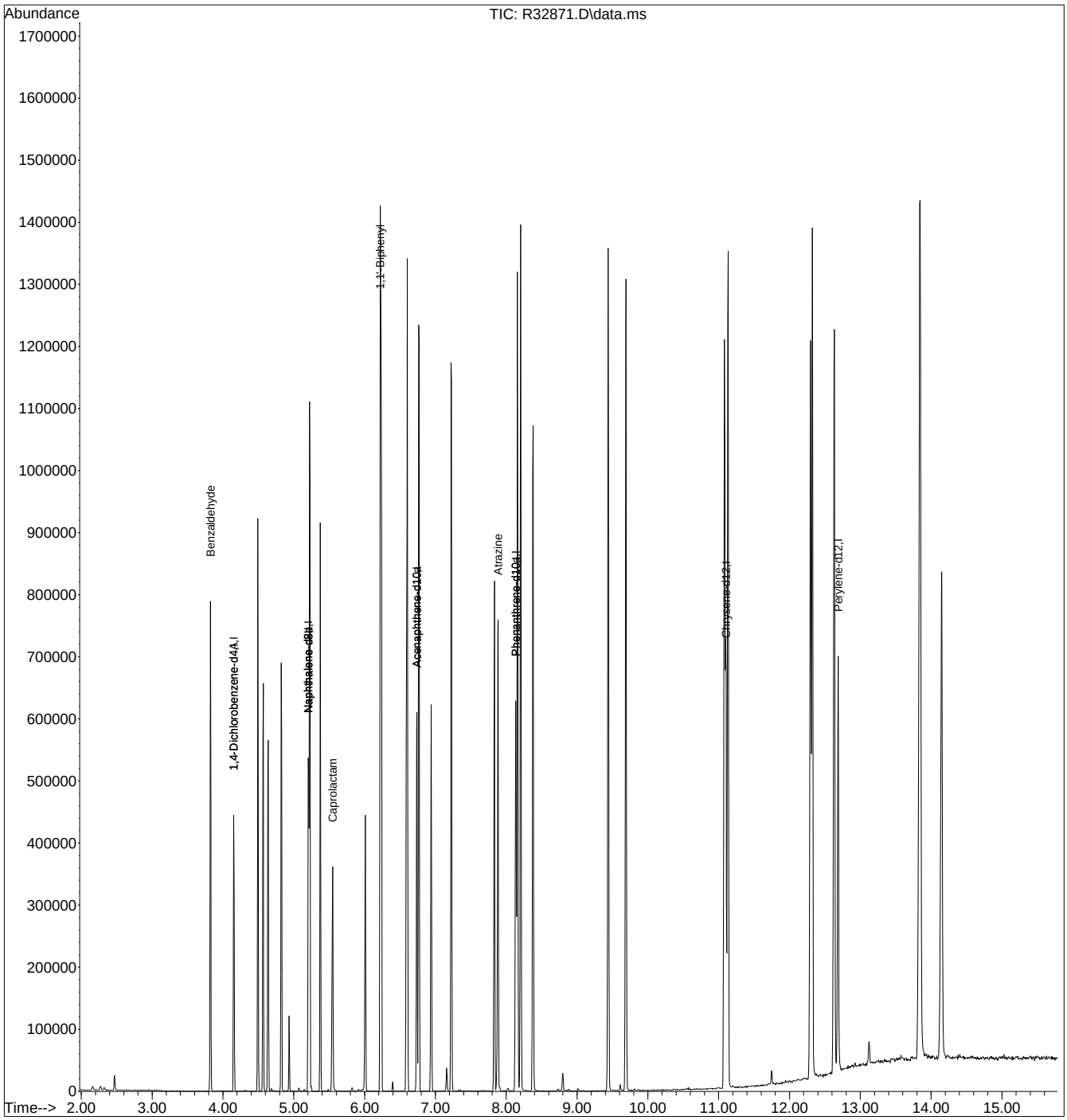
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	59526	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	59526	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	218439	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	218439	40.00	ppm	#-0.08
43) Acenaphthene-d10	6.740	164	130932	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.740	164	130932	40.00	ppm	-0.08
67) Phenanthrene-d10	8.134	188	225412	40.00	ppm	-0.09
80) Phenanthrene-d10a	8.134	188	225412	40.00	ppm	-0.09
82) Chrysene-d12	11.105	240	261483	40.00	ppm	-0.10
92) Perylene-d12	12.687	264	240322m	40.00	ppm	-0.10
100) Naphthalene-d8b	5.205	136	218439	40.00	ug/mL	#-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	3.823	77	121850m	82.97	ppm	
42) Caprolactam	5.552	55	70676	81.20	ppm	# 100
66) 1,1'-Biphenyl	6.223	154	371109	77.58	ppm	# 100
81) Atrazine	7.887	200	97085	88.05	ppm	# 100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32871.D
Acq On : 21 Aug 2013 7:48 am
Operator : kristinr
Sample : CC1159-80, TCL11
Misc : OP34233,MSR1199,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 26 10:38:41 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32872.D
Acq On : 21 Aug 2013 8:10 am
Operator : kristinr
Sample : CC1159-50
Misc : OP34233,MSR1199,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 21 08:30:36 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	50035	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	50035	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	177956	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	177956	40.00	ppm	-0.08
43) Acenaphthene-d10	6.735	164	111349	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.735	164	111349	40.00	ppm	-0.08
67) Phenanthrene-d10	8.135	188	186292	40.00	ppm	-0.09
80) Phenanthrene-d10a	8.135	188	186292	40.00	ppm	-0.09
82) Chrysene-d12	11.099	240	214817	40.00	ppm	-0.10
92) Perylene-d12	12.687	264	200949	40.00	ppm	-0.10
100) Naphthalene-d8b	5.205	136	177956	40.00	ug/mL	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.229	112	71370	47.05	ppm	-0.08
Spiked Amount 100.000	Range 30 - 130		Recovery = 47.05%			
7) Phenol-d5	3.911	99	86958	45.28	ppm	-0.05
Spiked Amount 100.000	Range 30 - 130		Recovery = 45.28%			
24) Nitrobenzene-d5	4.623	82	79410	46.70	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 93.40%			
48) 2-Fluorobiphenyl	6.146	172	182184	49.18	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 98.36%			
71) 2,4,6-Tribromophenol	7.470	330	26458	47.40	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 47.40%			
85) Terphenyl-d14	9.882	244	216481	47.08	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 94.16%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.294	74	44551	45.29	ug/l #	72
3) Pyridine	2.306	79	81440	45.53	ppm	78
4) Aniline	3.929	93	121838	53.46	ppm #	1
6) bis(2-Chloroethyl)ether	3.964	63	54194	50.08	ppm	82
8) Phenol	3.917	94	105425	55.17	ppm	93
9) 2-Chlorophenol	4.023	128	82657	51.33	ppm	98
10) 1,3-Dichlorobenzene	4.129	146	89976	49.40	ppm	99
11) 1,4-Dichlorobenzene	4.164	146	92197	48.67	ppm	95
12) 1,2-Dichlorobenzene	4.317	146	86009	50.69	ppm	99
13) Benzyl alcohol	4.276	108	50705	48.98	ppm	97
14) bis(2-chloroisopropyl)...	4.394	45	100962	54.64	ppm	97
15) o-cresol	4.388	108	70124	50.62	ppm	83
16) Acetophenone	4.494	105	102906	45.01	ppm	91
17) Hexachloroethane	4.570	117	33740	47.74	ppm	83
18) N-Nitroso-di-n-propyla...	4.511	70	47545	44.26	ppm	84
19) m+p-cresols	4.505	108	147174	97.00	ppm	97
20) 4-methylphenol	4.505	108	147174	97.02	ppm	97
25) Nitrobenzene	4.635	77	76937	44.81	ppm	95
26) Isophorone	4.829	82	140855	49.27	ppm	95
27) 2-Nitrophenol	4.905	139	42370	51.81	ppm	99
28) 2,4-Dimethylphenol	4.935	107	78750	51.95	ppm	97
29) bis(2-Chloroethoxy)met...	5.011	93	86269	50.03	ppm	98
30) Benzoic acid	5.029	105	50984	45.37	ppm	96
31) 2,4-Dichlorophenol	5.105	162	71139	53.26	ppm	96
32) 1,2,4-Trichlorobenzene	5.170	180	74279	49.98	ppm	99
33) Naphthalene	5.223	128	229723	49.48	ppm	98
34) 2,6-Dichlorophenol	5.299	162	70250	53.10	ppm	96
35) 4-Chloroaniline	5.288	127	97200	50.44	ppm	100
36) Hexachlorobutadiene	5.376	225	45462	49.04	ppm	98
37) 4-Chloro-3-methylphenol	5.711	107	65549	50.86	ppm	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32872.D
Acq On : 21 Aug 2013 8:10 am
Operator : kristinr
Sample : CC1159-50
Misc : OP34233,MSR1199,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 21 08:30:36 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

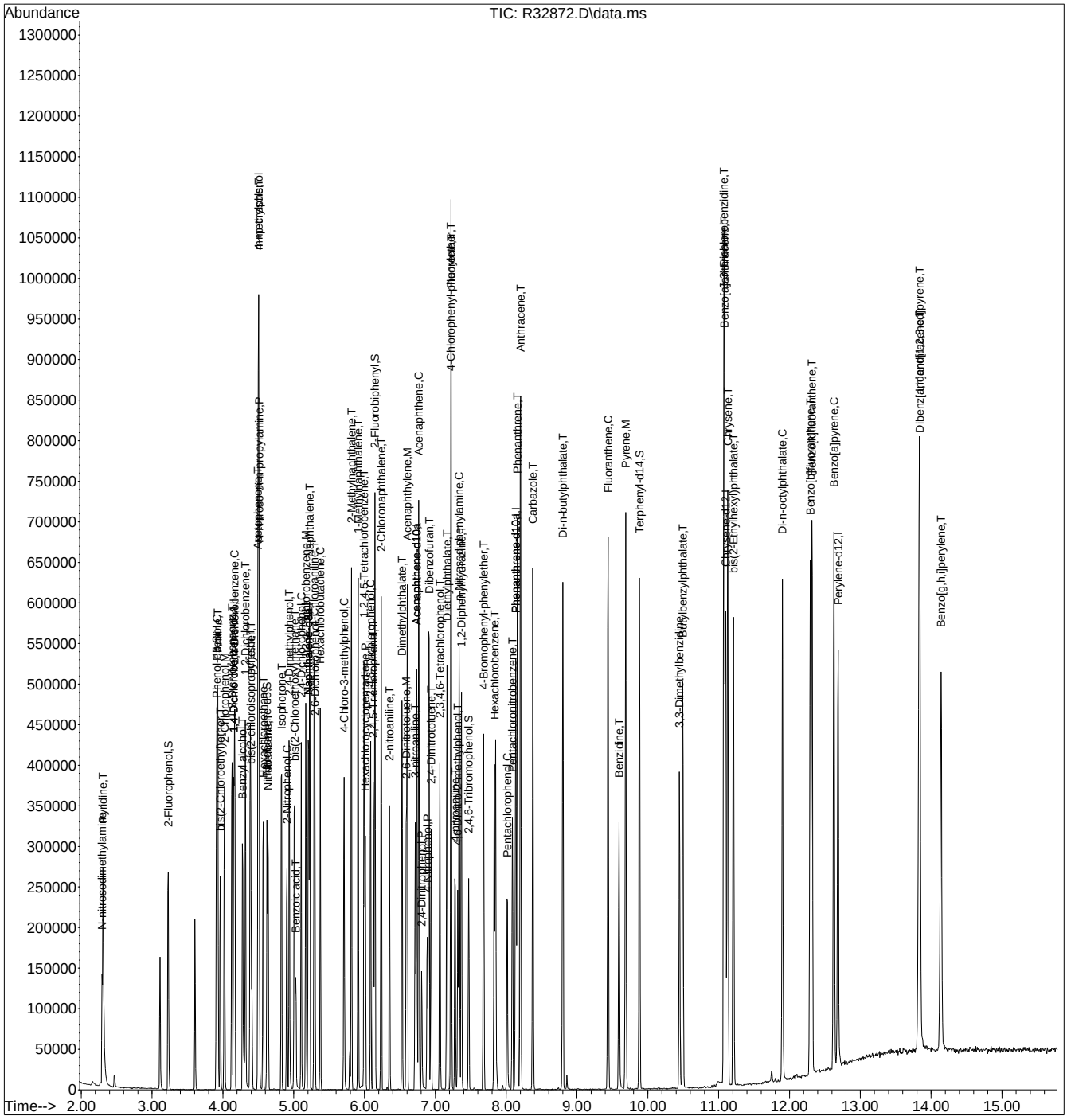
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	5.817	142	156879	48.17	ppm	98
39) 1-Methylnaphthalene	5.911	142	145226	45.90	ppm	98
40) 1,2,4,5-Tetrachloroben...	5.994	216	81989	47.60	ppm	100
44) Pentachloronitrobenzene	8.088	237	21207	44.84	ppm	98
45) Hexachlorocyclopentadiene	6.011	237	42259	38.76	ppm	99
46) 2,4,6-Trichlorophenol	6.088	196	54528	52.78	ppm	95
47) 2,4,5-Trichlorophenol	6.123	196	59797	54.92	ppm	99
49) 2-Chloronaphthalene	6.235	162	151801	51.07	ppm	97
50) Acenaphthylene	6.605	152	235192	48.63	ppm	99
51) Dimethylphthalate	6.529	163	171219	50.39	ppm	99
52) 2,4-Dinitrotoluene	6.941	165	49001	47.89	ppm	92
53) Acenaphthene	6.764	153	154347	49.33	ppm	98
54) 2,4-Dinitrophenol	6.805	184	20330	38.26	ppm	87
55) Dibenzofuran	6.911	168	224115	50.58	ppm	98
56) 2,6-Dinitrotoluene	6.588	165	36757	47.44	ppm	92
57) 4-Nitrophenol	6.888	65	30328	44.90	ppm	97
58) 2,3,4,6-Tetrachlorophenol	7.064	232	44848	48.20	ppm	100
59) Fluorene	7.223	166	175050	49.12	ppm	100
60) 4-Chlorophenyl-phenyle...	7.217	204	91408	52.54	ppm	99
61) Diethylphthalate	7.164	149	177222	52.37	ppm	98
62) 2-nitroaniline	6.352	138	49132	51.92	ppm	83
63) 3-nitroaniline	6.717	138	41528	49.29	ppm	99
64) 4-nitroaniline	7.282	138	42504	50.95	ppm	94
68) 4,6-Dinitro-2-methylph...	7.317	198	32114	46.42	ppm	100
69) n-Nitrosodiphenylamine	7.335	169	126064	51.90	ppm	98
70) 1,2-Diphenylhydrazine	7.370	77	161122	51.01	ppm	100
72) 4-Bromophenyl-phenylether	7.682	248	51137	50.86	ppm	99
73) Hexachlorobenzene	7.835	284	55261	48.59	ppm	92
74) Pentachlorophenol	8.017	266	31205	42.31	ppm	99
75) Phenanthrene	8.158	178	259747	51.61	ppm	100
76) Anthracene	8.205	178	276089	53.46	ppm	99
77) Carbazole	8.376	167	255673	55.57	ppm	99
78) Di-n-butylphthalate	8.799	149	323677	58.11	ppm	100
79) Fluoranthene	9.440	202	294060	55.37	ppm	99
83) Benzidine	9.593	184	136941	69.62	ppm	99
84) Pyrene	9.687	202	307755	50.13	ppm	98
86) 3,3-Dimethylbenzidine	10.446	212	148847	58.90	ppm	100
87) Butylbenzylphthalate	10.493	149	130420	51.35	ppm	96
88) 3,3'-Dichlorobenzidine	11.076	252	112805	49.77	ppm	98
89) Benzo[a]anthracene	11.081	228	283852	51.11	ppm	98
90) Chrysene	11.129	228	283160	51.27	ppm	99
91) bis(2-Ethylhexyl)phtha...	11.211	149	185460	48.87	ppm	99
93) Di-n-octylphthalate	11.899	149	332128	55.13	ppm	100
94) Benzo[b]fluoranthene	12.293	252	290018	50.36	ppm	98
95) Benzo[k]fluoranthene	12.317	252	285763	50.92	ppm	99
96) Benzo[a]pyrene	12.628	252	271247	53.45	ppm	99
97) Indeno[1,2,3-cd]pyrene	13.834	276	319634	50.45	ppm	97
98) Dibenz[a,h]anthracene	13.840	278	256039	50.05	ppm	97
99) Benzo[g,h,i]perylene	14.140	276	267635	50.87	ppm	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32872.D
Acq On : 21 Aug 2013 8:10 am
Operator : kristinr
Sample : CC1159-50
Misc : OP34233,MSR1199,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 21 08:30:36 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 08/27/13 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32890.D
Acq On : 21 Aug 2013 4:11 pm
Operator : kristinr
Sample : CC1159-80, TCL11
Misc : OP34233,MSR1200,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 26 11:43:35 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

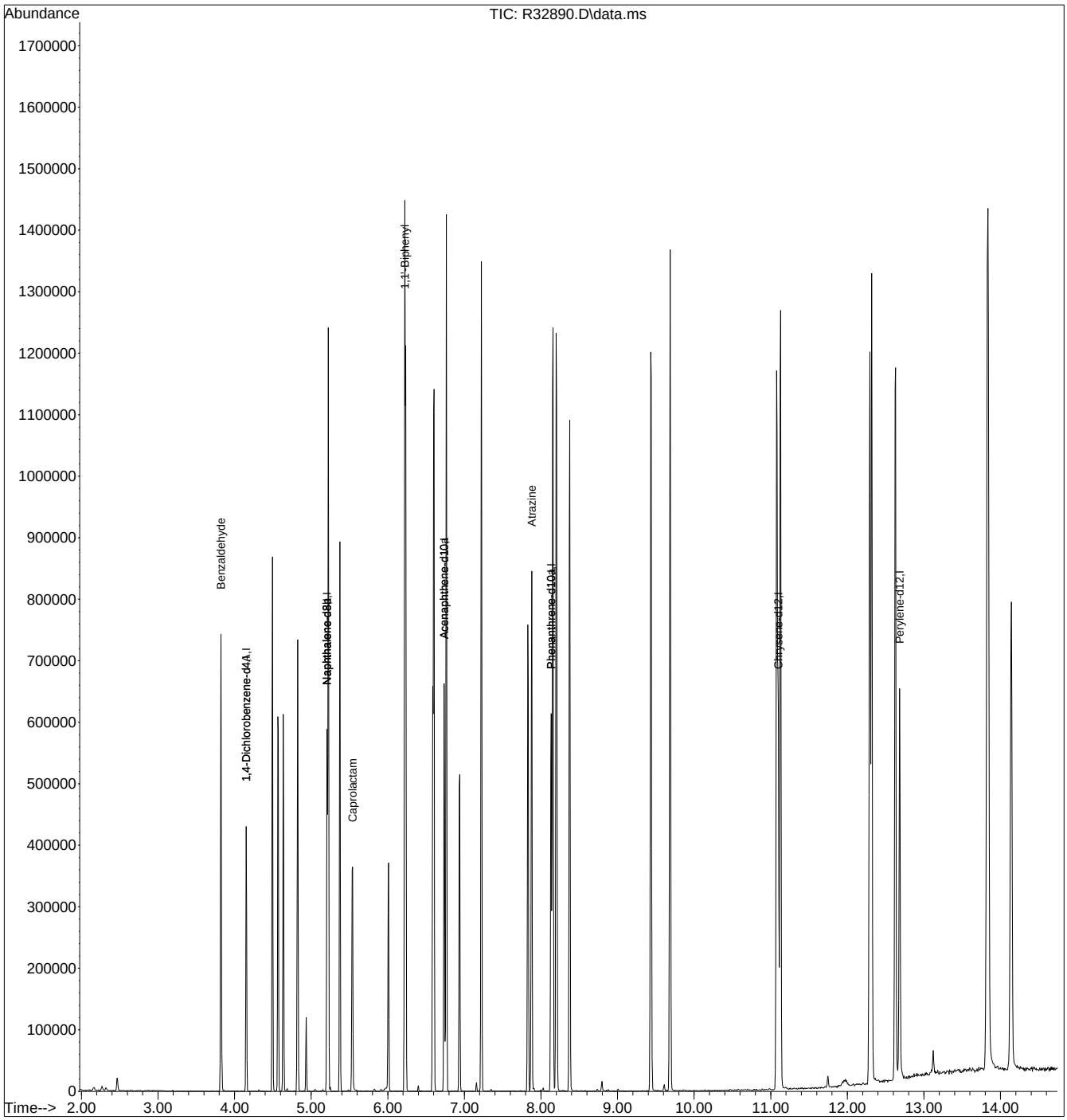
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	55025	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	55025	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	213777	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	213777	40.00	ppm	-0.08
43) Acenaphthene-d10	6.735	164	126416	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.735	164	126416	40.00	ppm	-0.08
67) Phenanthrene-d10	8.134	188	223959	40.00	ppm	-0.09
80) Phenanthrene-d10a	8.134	188	223959	40.00	ppm	-0.09
82) Chrysene-d12	11.099	240	251988	40.00	ppm	-0.10
92) Perylene-d12	12.681	264	230887	40.00	ppm	-0.11
100) Naphthalene-d8b	5.205	136	213777	40.00	ug/mL	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	3.823	77	113843m	83.86	ppm	
42) Caprolactam	5.541	55	65860	77.40	ppm	# 100
66) 1,1'-Biphenyl	6.223	154	357292	77.36	ppm	# 100
81) Atrazine	7.882	200	95363	87.05	ppm	# 100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32890.D
Acq On : 21 Aug 2013 4:11 pm
Operator : kristinr
Sample : CC1159-80, TCL11
Misc : OP34233,MSR1200,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 26 11:43:35 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Kristin Renault
08/27/13 11:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32891.D
Acq On : 21 Aug 2013 4:30 pm
Operator : kristinr
Sample : CC1159-50
Misc : OP34233,MSR1200,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 27 09:57:27 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.152	152	56573	40.00	ppm	-0.08
21) 1,4-Dichlorobenzene-d4A	4.152	152	56573	40.00	PPM	-0.08
23) Naphthalene-d8	5.205	136	209550	40.00	ppm	-0.08
41) Naphthalene-d8a	5.205	136	209550	40.00	ppm	-0.08
43) Acenaphthene-d10	6.735	164	122458	40.00	ppm	-0.08
65) Acenaphthene-d10a	6.735	164	122458	40.00	ppm	-0.08
67) Phenanthrene-d10	8.129	188	215420	40.00	ppm	-0.10
80) Phenanthrene-d10a	8.129	188	215420	40.00	ppm	-0.10
82) Chrysene-d12	11.093	240	249968	40.00	ppm	-0.11
92) Perylene-d12	12.681	264	230622	40.00	ppm	-0.11
100) Naphthalene-d8b	5.205	136	209550	40.00	ug/mL	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.229	112	82018	47.82	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 47.82%			
7) Phenol-d5	3.905	99	97697	44.99	ppm	-0.06
Spiked Amount 100.000	Range 30 - 130		Recovery = 44.99%			
24) Nitrobenzene-d5	4.623	82	91104	45.50	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 91.00%			
48) 2-Fluorobiphenyl	6.146	172	205404	50.42	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 100.84%			
71) 2,4,6-Tribromophenol	7.470	330	30900	47.87	ppm	-0.09
Spiked Amount 100.000	Range 30 - 130		Recovery = 47.87%			
85) Terphenyl-d14	9.881	244	250237	46.76	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 93.52%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.294	74	52596	47.29	ug/l	# 64
3) Pyridine	2.305	79	94528	46.74	ppm	78
4) Aniline	3.929	93	136118	52.83	ppm	# 1
6) bis(2-Chloroethyl)ether	3.964	63	61280	50.09	ppm	80
8) Phenol	3.917	94	115872	53.63	ppm	93
9) 2-Chlorophenol	4.023	128	91972	50.51	ppm	98
10) 1,3-Dichlorobenzene	4.129	146	101255	49.17	ppm	97
11) 1,4-Dichlorobenzene	4.164	146	104477	48.77	ppm	93
12) 1,2-Dichlorobenzene	4.317	146	98773	51.48	ppm	97
13) Benzyl alcohol	4.276	108	46303	39.56	ppm	96
14) bis(2-chloroisopropyl)...	4.394	45	112872	54.03	ppm	87
15) o-cresol	4.382	108	81840	52.26	ppm	89
16) Acetophenone	4.494	105	118163	45.71	ppm	85
17) Hexachloroethane	4.564	117	38343	47.99	ppm	98
18) N-Nitroso-di-n-propyla...	4.505	70	54601	44.95	ppm	76
19) m+p-cresols	4.499	108	167827	97.83	ppm	98
20) 4-methylphenol	4.499	108	167827	97.84	ppm	98
25) Nitrobenzene	4.635	77	88190	43.62	ppm	92
26) Isophorone	4.823	82	157157	46.68	ppm	98
27) 2-Nitrophenol	4.905	139	49862	51.78	ppm	96
28) 2,4-Dimethylphenol	4.935	107	88600	49.64	ppm	95
29) bis(2-Chloroethoxy)met...	5.005	93	95593	47.08	ppm	99
30) Benzoic acid	5.017	105	57056	43.35	ppm	91
31) 2,4-Dichlorophenol	5.105	162	80862	51.42	ppm	99
32) 1,2,4-Trichlorobenzene	5.170	180	86292	49.31	ppm	100
33) Naphthalene	5.223	128	257436	47.09	ppm	98
34) 2,6-Dichlorophenol	5.293	162	79104	50.77	ppm	98
35) 4-Chloroaniline	5.288	127	110956	48.89	ppm	100
36) Hexachlorobutadiene	5.376	225	51042	46.76	ppm	93
37) 4-Chloro-3-methylphenol	5.705	107	76979	50.73	ppm	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32891.D
Acq On : 21 Aug 2013 4:30 pm
Operator : kristinr
Sample : CC1159-50
Misc : OP34233,MSR1200,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 27 09:57:27 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

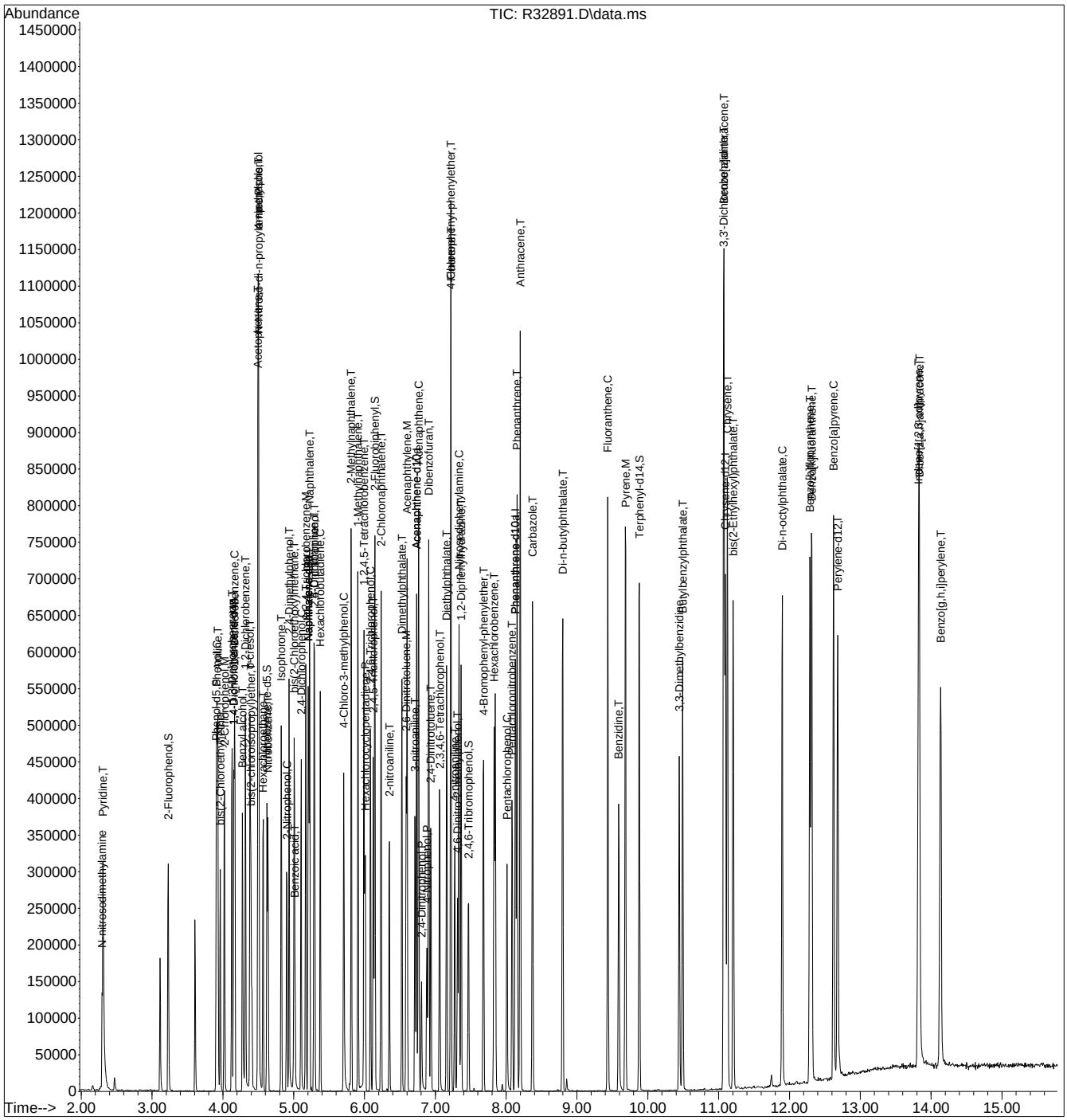
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	5.811	142	176594	46.04	ppm	95
39) 1-Methylnaphthalene	5.905	142	164391	44.12	ppm	97
40) 1,2,4,5-Tetrachloroben...	5.993	216	95512	47.09	ppm	99
44) Pentachloronitrobenzene	8.082	237	26156m	50.29	ppm	
45) Hexachlorocyclopentadiene	6.011	237	45074	37.59	ppm	91
46) 2,4,6-Trichlorophenol	6.082	196	62128	54.68	ppm	96
47) 2,4,5-Trichlorophenol	6.123	196	61850	51.65	ppm	100
49) 2-Chloronaphthalene	6.235	162	168618	51.59	ppm	99
50) Acenaphthylene	6.599	152	270522	50.86	ppm	99
51) Dimethylphthalate	6.529	163	192474	51.51	ppm	100
52) 2,4-Dinitrotoluene	6.935	165	59483	52.86	ppm	91
53) Acenaphthene	6.764	153	178340	51.82	ppm	96
54) 2,4-Dinitrophenol	6.805	184	20992	35.92	ppm	99
55) Dibenzofuran	6.905	168	262475	53.86	ppm	99
56) 2,6-Dinitrotoluene	6.588	165	44771	52.54	ppm	95
57) 4-Nitrophenol	6.882	65	34115	45.92	ppm	96
58) 2,3,4,6-Tetrachlorophenol	7.064	232	52304	51.11	ppm	93
59) Fluorene	7.223	166	198777	50.72	ppm	98
60) 4-Chlorophenyl-phenyle...	7.217	204	106004	55.40	ppm	99
61) Diethylphthalate	7.158	149	197770	53.14	ppm	95
62) 2-nitroaniline	6.352	138	56765	54.55	ppm	91
63) 3-nitroaniline	6.711	138	48907	52.78	ppm	85
64) 4-nitroaniline	7.276	138	48875	53.28	ppm	96
68) 4,6-Dinitro-2-methylph...	7.311	198	36589	45.79	ppm	100
69) n-Nitrosodiphenylamine	7.335	169	144002	51.27	ppm	98
70) 1,2-Diphenylhydrazine	7.364	77	179846	49.24	ppm	96
72) 4-Bromophenyl-phenylether	7.682	248	59841	51.47	ppm	96
73) Hexachlorobenzene	7.829	284	64216	48.83	ppm	98
74) Pentachlorophenol	8.011	266	38300	44.91	ppm	96
75) Phenanthrene	8.152	178	310508	53.36	ppm	98
76) Anthracene	8.199	178	312849	52.39	ppm	98
77) Carbazole	8.370	167	286515	53.85	ppm	99
78) Di-n-butylphthalate	8.799	149	353579	54.89	ppm	99
79) Fluoranthene	9.434	202	335806	54.68	ppm	99
83) Benzidine	9.587	184	167052	72.98	ppm	99
84) Pyrene	9.687	202	356625	49.92	ppm	97
86) 3,3-Dimethylbenzidine	10.446	212	182284	61.98	ppm	100
87) Butylbenzylphthalate	10.493	149	152438	51.58	ppm	98
88) 3,3'-Dichlorobenzidine	11.070	252	129767	49.22	ppm	98
89) Benzo[a]anthracene	11.075	228	320172	49.55	ppm	99
90) Chrysene	11.123	228	323510	50.34	ppm	99
91) bis(2-Ethylhexyl)phtha...	11.205	149	210665	47.75	ppm	99
93) Di-n-octylphthalate	11.899	149	372716	54.02	ppm	99
94) Benzo[b]fluoranthene	12.287	252	322541	48.80	ppm	99
95) Benzo[k]fluoranthene	12.317	252	334715	51.97	ppm	97
96) Benzo[a]pyrene	12.622	252	315696	54.20	ppm	96
97) Indeno[1,2,3-cd]pyrene	13.822	276	363275	49.96	ppm	91
98) Dibenz[a,h]anthracene	13.834	278	302243m	51.48	ppm	
99) Benzo[g,h,i]perylene	14.134	276	308146	51.03	ppm	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130821\
Data File : R32891.D
Acq On : 21 Aug 2013 4:30 pm
Operator : kristinr
Sample : CC1159-50
Misc : OP34233,MSR1200,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 27 09:57:27 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23630

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 06/28/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 µg/mL
MSS1625	AB8270 Cal. Std.	2:160
MSS1560	↓	5:160
MSS1594H	AB8270 Int. Std.	4000

Column Information: Front RTX ZB-5MS; 7/9/13 MR

Rear N/A

Sequence File: ~~rt~~ R130628.s 7/9/13 MR

Quantitation Methods: DFTPP.M

R130628_8270+.M

Instrument Run Batches: MSR1159

Inj. Vol:

Data Acquisition Methods: R8270FAST.M Inj. Vol: 1

ICAL verified:

Sequence verified: 6/28/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98 X	R31828	BLK	N/A		N/A	N/A	N/A	*R31826-R31827
99 X	29	DFTPP	↓		↓	↓	↓	are blanks
100 X	30	ICC1159-50						
1 X	31	IC1159-2	MSS1625					
2 X	32	5						
3 X	33	10						
4 X	34	20						
5 X	35	80						
6 X	36	120						
7 X	37	160	↓					
98 X	38	BLK	N/A					
8 X	39	IC1159-5	MSS1560					
9 X	R31840	10						
10 X	41	20						
11 X	42	50						
12 X	43	80						
13 X	44	120						
14 X	45	160	↓		↓	↓	↓	

6/28/13 MR

MS002-04

Date: 8/29/06 Dilution Solvent: N/A Lot: N/A **Review:**

9.7.1

9

ACCUTEST LABORATORIES MC23630

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 07/01/2013 **Analyst Signature:** KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 ng/mL
MSS1625	AB8270 Cal. Std.	50
MSS1560	↓	50
MSS159411	AB8270 Int. Std.	4000

Column Information: Front ZB-5MSi
Rear N/A
Sequence File: R130701.S
Quantitation Methods: R130628_B270+.M
DFTPP.M
Instrument Run Batches: MSR11600 MSR11601
Inj. Vol:
Data Acquisition Methods: R8270FAST.M Inj. Vol: 1

ICAL verified: Sequence verified: 7/2/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98 X	R13846	BLK	N/A		N/A	N/A	N/A	
99 X	47	DFTPP	↓		↓	↓	↓	
100 X	48	CC1159-50						
100 X	49	ICV1159-50	↓		leached fluid			
1 X	50	MC21245-4R	OP33792		↓			
2 X	51	↓ -7R	↓					
3 X	52	↓ -8R						
4 X	53	OP33792-BSD						
5 X	54	MC22172-1						2 acid surr <10% ✓
6 X	55	↓ -2						↳ Re-extract
7 X	56	↓ -3						
8 X	57	MC22237-1						
9 X	58	MC22240-1			↓			
10 X	59	OP33818-MB	OP33818		SOIL			
11 X	R13860	↓ BS	↓		↓			
12 X	61	MC22229-5	↓					
13 X	62	↓ -6	↓		↓			
100 X	63	AP 9 TEST	N/A		N/A			
14 X	64	MC22229-20	OP33818		SOIL			
15 X	65	MC22279-6	↓		↓			
99	66	DFTPP	N/A		N/A			
100	67	CC1155-50	↓		↓			AP-9
100	68	CC1159-50						Toluic
100	69	CC1159-50	↓		↓			
1 X	R13870	MC21245-4R	OP33792		leached fluid			
2 X	71	↓ -7R	↓		↓			
3 X	72	↓ -8R	↓					
4 X	73	OP33792-BSD	OP33792					
5	74	MC22172-1	↓					
6	75	↓ -2						
7	76	↓ -3						7/1/13
8	77	MC22237-1	↓		↓	↓	↓	MR

9.7.2 9
Instrument Run Log MSR1160 page 1 of 2
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ACCUTEST LABORATORIES
MC23630

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 07/01/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
	Refer to	
	Page 20	

Column Information: Front

Rear

Sequence File: Refer to

Quantitation Methods: Page 20

Instrument Run Batches:

Data Acquisition Methods: Inj. Vol:

Inj. Vol:

ICAL verified:

Sequence verified: 7/2/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
9	RX31878	MC22240-1	OP33792		leachate	N/A	N/A	
10	1st Update 79	OP33818-MB	OP33818		SOIL			
11	RX31880	BS						
12	81	MC22229-5						
13	82	-6						
14	83	-20						
15	84	MC22279-6						
16	85	OP33825-MB	OP33825		SOIL			
17	86	JB40714-5	OP33773					
18	87	-7						
19	88	-8						
20	1st Update 89	-9						
21	RX31890	-10						
22	91	-11						
23	92	-12						
24	93	JB40712-6A						
25	94	-7A						
26	95	-8A						
98	96	BLK	N/A		N/A			
98	97							
98	98							
98	99							

7/1/13 MR

MS002-04

Date: 8/29/06

Page 2 of 2

Dilution Solvent: N/A Lot: N/A **Review:**

21

9.7.2

9

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 08/21/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 µg/mL
MSS1L625	AB8270 Cal. Std.	50
MSS1593	Cal. Std.	80
MSS1594IS	Int. Std.	4000

Column Information: Front ZB-5MSi

Rear N/A

Sequence File: R130821.S

Quantitation Methods: DFTPP.M

R130628-8270+.M

Instrument Run Batches: MSR1199 MSR1200

Inj. Vol:

Data Acquisition Methods: R8270EAST.M Inj. Vol: 1µL

ICAL verified:

Sequence verified: 8/22/13 KR

Vial #	Data File ID	Sample ID	Ext. Batch	Analysis	Matrix	Dilution	Mult.	Comments
98	R328609	Blank	N/A		N/A	N/A	N/A	
99	R32870	DFTPP						
100	1	CC1159-80						TCL II
100	2	CC1159-50						
1	3	OP34472-MB	OP34472		SOIL			
2	4	-BS						
3	5	-BSD						
4	6	OP34429-MB	OP34429		AQ			
5	7	-BS						
6	8	-MS						
7	9	-MSD						
8	R32880	MC23500-5						
9	1	MC23516-1						
10	2	-2						
11	3	-3						
12	4	-4						
13	5	-5						
14	6	-6						
15	7	-7						
16	8	-8						
99	9	DFTPP	N/A		N/A			
100	R32890	CC1159-80						TCL II
100	1	CC1159-50						
17	2	OP34450-MB	OP34450		AQ			
18	3	-BS						
19	4	-MS						
20	5	-MSD						
21	6	-TAP						TAP#MC23500-8
22	7	MC23525-1	OP34429					2 low acid surr, 1 L 10% ✓
23	8	-2						↳ Re-extract
24	9	OP34472-MS	OP34472		SOIL			
25	R32900	-MSD						

MS002-04

Date: 8/29/06

Dilution Solvent: BtJ DCM Lot: D1802 **Review:**

9.7.3

9

ACCUTEST LABORATORIES MC23630

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 08/21/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
	Refer To	
	Page 12	

Column Information: Front

Rear

Sequence File:

Quantitation Methods:

Instrument Run Batches: Refer To Page 12

Inj. Vol:

Data Acquisition Methods:

Inj. Vol:

ICAL verified:

Sequence verified: 8/22/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
26 X	R32901	MC23630-1	OP34472		SOIL	N/A	N/A	
27 X	2	MC23593-1				5X		
28 X	3	-2				N/A		
29 X	4	MC23533-1	OP34450		AQ			
30 X	5	-2						
31 X	6	-3						
32 X	7	-4						
33 X	8	-5						
34 X	9	-6						Needs CFS, 990mL ✓
35 X	R32910	MC23534-1						RR@5X ✓
36 X	1	-2						RR@10X ✓
37 X	2	MC23577-1						RR@50X ✓
38 X	3	-2						RR@50X ✓
39 X	4	MC23585-1						RR@50X ✓
40 X	5	-2						Needs CFS, 950mL ✓
41 X	6	-3						RR@5X ✓
42 X	7	-4						RR@50X ✓
43 X	8	-5						Phenol-d5 = 9% ✓
								↳ Re-extract
								8/21/13 KR

MS002-04

Date: 8/29/06 Dilution Solvent: B+J DCM Lot: Di802 **Review:**

ACCUTEST LABORATORIES MC23630

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 08/21/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 µg/mL
MSS1625	AB8270 Cal. Std.	50
MSS1593	Cal. Std.	80
MSS1594K	Int. Std.	4000

Column Information: Front ZB-5MSi

Rear N/A

Sequence File: R130821.S

Quantitation Methods: DFTPP.M

R130628-8270+.M

Instrument Run Batches: MSR1199 MSR1200

Inj. Vol:

Data Acquisition Methods: R8270BASE.M Inj. Vol: 1µL

ICAL verified:

Sequence verified: 8/22/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98	R328669	Blank	N/A		N/A	N/A	N/A	
99	R32870	DFTPP						
100	1	CC1159-80						TCL II
100	2	CC1159-50						
1	3	OP34472-MB	OP34472		SOIL			
2	4	-BS						
3	5	-BSD						
4	6	OP34429-MB	OP34429		AQ			
5	7	-BS						
6	8	-MS						
7	9	-MSD						
8	R32880	MC23500-5						
9	1	MC23516-1						
10	2	-2						
11	3	-3						
12	4	-4						
13	5	-5						
14	6	-6						
15	7	-7						
16	8	-8						
99	9	DFTPP	N/A		N/A			
100	R32890	CC1159-80						TCL II
100	1	CC1159-50						
17	2	OP34450-MB	OP34450		AQ			
18	3	-BS						
19	4	-MS						
20	5	-MSD						
21	6	-TAP						TAP#MC23500-8
22	7	MC23525-1	OP34429					2 low acid surr, 1<10% ✓
23	8	-2						↳ Re-extract.
24	9	OP34472-MS	OP34472		SOIL			
25	R32900	-MSD						

MS002-04

Date: 8/29/06 Dilution Solvent: BtT DCM Lot: D1802 **Review:**

ACCUTEST LABORATORIES MC23630

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 08/21/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
	Refer To Page 12	

Column Information: Front

Rear

Sequence File:

Quantitation Methods:

Instrument Run Batches: Refer To Page 12

Inj. Vol:

Data Acquisition Methods:

Inj. Vol:

ICAL verified:

Sequence verified: 8/22/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
26 X	R32901	MC23630-1	OP34472		SOIL	N/A	N/A	
27 X	2	MC23593-1				5X		
28 X	3	-2				N/A		
29 X	4	MC23533-1	OP34450		AQ			
30 X	5	-2						
31 X	6	-3						
32 X	7	-4						
33 X	8	-5						
34 X	9	-6						Needs CFS, 990mL ✓
35 X	R32910	MC23534-1						RR@5X ✓
36 X	1	-2						RR@10X ✓
37 X	2	MC23577-1						RR@50X ✓
38 X	3	-2						RR@50X ✓
39 X	4	MC23585-1						RR@50X ✓
40 X	5	-2						Needs CFS, 950mL ✓
41 X	6	-3						RR@5X ✓
42 X	7	-4						RR@50X ✓
43 X	8	-5						Phenol-d5 = 9% ✓
								↳ Re-extract
								8/21/13 KR

MS002-04

Date: 8/29/06 Dilution Solvent: B+J DCM Lot: D1802 **Review:**

ACCUTEST LABORATORIES MC23630

ACCUTEST LABORATORIES

Approximate Gram weight equals +/- 0.5g

Extracted by: JA MT
Spike Witness: MT
Concentrated by: mat 8/20/13
Fractionated by:
Extraction Method: ASE #1 ASE #2 ASE #3 ASE # 4 Sonicate
Soxhlet: SW 3540C SW 3545A SW 3545A SW3545A SW3545A SW3550B

Date/Time: 8/19/2013 13:30
Date/Time:
Batch: OP 34472
Matrix: **Soil/Solid**; Sand Lot:
Analysis Method: A8270MCP / A8270TCL42+
Waste Dilution: SW3580 ~~Micro~~ ~~SW 3546~~

8/21 MSR JA

	Sample	Bottle No.	ASE Position	Initial Weight (g)	Final Volume (ml)	**Cleanup/Comments (3660B, 3630, 3665, other)	Received by: Date:
1	OP 34472 MB	N/A	N/A	20.64	1ml		
2	↳ BS	↓		20.10			
3	↳ BSD	↓		20.97			
4	MC23630-1 MS	1		20.36			
5	↳ -1 MSD	↓		20.18			
6	MC23630-1	↓		20.12			
7	MC23543-1	2		20.70			
8	↳ -2	21		20.80		Clay	
9	MC23582-1	1		20.78		Very thick, tar like on glassware	
10	↳ -2	↓		20.62		↓	
11	-3	↓		20.21		↓	
12	-4	↓		20.80		↓	WK
13	-5	↓		20.35	↓	↓	↓ 8.20.13
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25						mat 8/20/13	

Fraction	Bottle #	Lot #	Concentration	Volume
Surrogate: ABN	5	P06938	500 ug/ml	100 ul
Surrogate:				
Spike: BN	1	P06940	500 ug/ml	100 ul
Spike: Acid	N/A	P06939	500 ug/ml	100 ul
Spike: Custom	4	P06816	2500 ug/ml	25 ul
Spike:				
Spike:				
Hexane Frac. Volume:	NA	NA	NA	
Soxhlet Start/Stop Date/Time:		Filter Paper Lot #	5823	

H2SO4 Lot #	
Ether:	
MeCl2:	DJ802
Hexane:	
MeCl2/Acetone:	
Acetone:	132412
Acetonitrile:	
Na Sulfate Lot #:	B-777
Silica Lot #:	
SPE MFG/Lot #:	
Copper:	
Hydromatrix:	
Florisil:	
Sand Lot #:	

Balance ID: ACC-9
Water Bath Temp: 40°C Water Bath ID: 22
Laboratory Percent Humidity: 65.4%

*Note volume of extract: N = Normal
L = Low

Reviewed by:

Tray #: V14

** Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup; 3620 = Florisil
**For Soxhlet extraction document date/time started and finished

New England ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082013S1.PRN Date Analyzed: 08/20/13 Methods: SW846 7471B
Analyst: EM Run ID: MA16001
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:59	MA16001-STD1	1		STD01REP1
11:02	MA16001-STD2	1		STD02REP1
11:04	MA16001-STD3	1		STD03REP1
11:06	MA16001-STD4	1		STD04REP1
11:09	MA16001-STD5	1		STD05REP1
11:11	MA16001-STD6	1		STD06REP1
11:14	MA16001-STD7	1		STD07REP1
11:16	MA16001-STD8	1		STD08REP1
11:19	MA16001-STD9	1		STD09REP1
11:23	MA16001-ICV1	1		
11:25	MA16001-ICB1	1		
11:28	MA16001-CCV1	1		
11:30	MA16001-CCB1	1		
11:33	MA16001-CRI1	1		
11:36	MP21523-MB1	1		
11:38	MP21523-B1	1		
11:41	MP21523-B2	1		
11:43	MP21523-S1	1		
11:45	MP21523-S2	1		
11:48	MC23518-1	1		(sample used for QC only; not part of login MC23630)
11:51	MP21523-LC1	10		
11:54	ZZZZZZ	1		
11:56	ZZZZZZ	1		
11:59	MA16001-CCV2	1		
12:02	MA16001-CCB2	1		
12:04	ZZZZZZ	1		
12:07	ZZZZZZ	1		
12:09	ZZZZZZ	1		
12:12	ZZZZZZ	1		
12:15	ZZZZZZ	1		
12:17	ZZZZZZ	1		
12:19	ZZZZZZ	1		
12:22	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082013S1.PRN Date Analyzed: 08/20/13 Methods: SW846 7471B
Analyst: EM Run ID: MA16001
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:24	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:30	MA16001-CCV3	1		
12:33	MA16001-CCB3	1		
12:35	MC23630-1	1		
---------->	Last reportable sample/prep for job MC23630			
12:37	MA16001-CRI2	1		
12:40	MA16001-CCV4	1		
12:42	MA16001-CCB4	1		
---------->	Last reportable CCB for job MC23630			

Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082013S1.PRN Date Analyzed: 08/20/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA16001 Units: ug/l

Time: / Sample ID:			11:25 ICB1		11:30 CCB1		12:02 CCB2		12:33 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.052	-0.064	<0.20	-0.037	<0.20	-0.022	<0.20	-0.031	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082013S1.PRN Date Analyzed: 08/20/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA16001 Units: ug/l

Time:			12:42	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Mercury	0.20	.052	-0.065	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082013S1.PRN Date Analyzed: 08/20/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA16001 Units: ug/l

Time:		11:23			11:28			11:59	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	4	3.9	97.5	3	3.1	103.3	3	3.1	103.3

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082013S1.PRN Date Analyzed: 08/20/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA16001 Units: ug/l

Time:		12:30			12:40	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.1	103.3	3	2.9	96.7

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: H1082013S1.PRN Date Analyzed: 08/20/13 Methods: SW846 7471B
QC Limits: 80 to 120 % Recovery Run ID: MA16001 Units: ug/l

Time:			11:33		12:37	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.17	85.0	0.18	90.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16005
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:43	MA16005-STD1	1		STD1
13:48	MA16005-STD2	1		STD2
13:52	MA16005-STD3	1		STD3
13:56	MA16005-STD4	1		STD4
14:01	MA16005-ICV1	1		
14:07	MA16005-ICB1	1		
14:11	MA16005-CCV1	1		
14:15	MA16005-CCB1	1		
14:20	MA16005-CRIA1	1		
14:24	MA16005-ICSA1	1		
14:29	MA16005-ICSAB1	1		
14:33	MP21521-B1	1		
14:37	MP21521-MB1	1		
14:42	MP21521-S1	1		
14:46	MP21521-S2	1		
14:50	MC23518-1	1		(sample used for QC only; not part of login MC23630)
14:54	MP21521-SD1	5		
14:58	MP21521-B2	1		
15:03	MA16005-CCV2	1		
15:18	MA16005-CCB2	1		
15:24	MP21521-LC1	1		
15:29	ZZZZZZ	1		
15:33	ZZZZZZ	1		
15:37	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:46	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:55	ZZZZZZ	1		
15:59	ZZZZZZ	1		
16:03	ZZZZZZ	1		
16:08	MA16005-CCV3	1		
16:12	MA16005-CCB3	1		
16:25	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16005
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	16:30	ZZZZZZ	1		
	16:34	ZZZZZZ	1		
	16:38	ZZZZZZ	1		
	16:42	MC23630-1	1		
	16:48	MP21521-PS1	1		
---------->	Last reportable sample/prep for job MC23630				
	16:53	ZZZZZZ	1		RINSECONF.
	16:57	MA16005-CRIA2	1		
	17:01	MA16005-CRI1	1		
	17:06	MP21518-B1	1		
	17:10	MA16005-CCV4	1		
	17:14	MA16005-CCB4	1		
	17:18	MP21518-MB1	1		
	17:23	MP21518-S1	1		
	17:27	MP21518-S2	1		
	17:31	MC23587-3	1		(sample used for QC only; not part of login MC23630)
	17:36	MP21518-SD1	5		
	17:40	MP21518-B2	1		
	17:44	MP21518-MB2	1		
	17:49	MP21518-MB3	1		
	17:53	ZZZZZZ	1		
	17:58	ZZZZZZ	1		
	18:02	MA16005-CCV5	1		CR, MN, AG & V: HIGH RSD.
	18:06	MA16005-CCB5	1		
	18:11	ZZZZZZ	1		
	18:15	ZZZZZZ	1		
	18:20	ZZZZZZ	1		
	18:24	ZZZZZZ	1		
	18:29	ZZZZZZ	1		
	18:33	ZZZZZZ	1		
	18:37	ZZZZZZ	1		
	18:42	ZZZZZZ	1		
	18:46	ZZZZZZ	1		
	18:50	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16005
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:55	MA16005-CCV6	1		
18:59	MA16005-CCB6	1		
19:03	ZZZZZZ	1		
19:08	ZZZZZZ	1		
19:12	ZZZZZZ	1		
19:16	ZZZZZZ	1		
19:21	ZZZZZZ	1		
19:25	ZZZZZZ	1		
19:29	ZZZZZZ	1		
19:34	MA16005-CRI2	1		
19:38	MA16005-ICSA2	1		
19:42	MA16005-ICSAB2	1		
19:47	MA16005-CCV7	1		
19:51	MA16005-CCB7	1		

----------> Last reportable CCB for job MC23630
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16005
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
13:43	MA16005-STD1	1721 R	42814 R	16191 R
13:48	MA16005-STD2	1689	42422	16069
13:52	MA16005-STD3			16004
13:56	MA16005-STD4	1727	42616	16218
14:01	MA16005-ICV1	1701	42225	16250
14:07	MA16005-ICB1	1707	43024	16022
14:11	MA16005-CCV1	1673	41614	16049
14:15	MA16005-CCB1	1711	42705	16137
14:20	MA16005-CRIA1	1696	42211	16254
14:24	MA16005-ICSA1	1528	38952	15571
14:29	MA16005-ICSAB1	1552	39620	15906
14:33	MP21521-B1	1674	42318	16104
14:37	MP21521-MB1	1695	42590	16024
14:42	MP21521-S1	1765	44452	17290
14:46	MP21521-S2	1742	43790	17060
14:50	MC23518-1	1765	44149	17046
14:54	MP21521-SD1	1705	42277	16300
14:58	MP21521-B2	1661	41728	16048
15:03	MA16005-CCV2	1683	41830	15964
15:18	MA16005-CCB2	1710	43083	16318
15:24	MP21521-LC1	1792	45073	17736
15:29	ZZZZZZ	1762	43954	17127
15:33	ZZZZZZ	1792	45481	17518
15:37	ZZZZZZ	1772	44695	17357
15:41	ZZZZZZ	1760	44228	17291
15:46	ZZZZZZ	1770	45240	17375
15:50	ZZZZZZ	1931	50275	19726
15:55	ZZZZZZ	1693	43645	17134
15:59	ZZZZZZ	1819	46188	18045
16:03	ZZZZZZ	1744	44542	17373
16:08	MA16005-CCV3	1673	41877	16198
16:12	MA16005-CCB3	1678	42094	15982
16:25	ZZZZZZ	1788	44280	17455

INTERNAL STANDARD SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16005
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
16:30	ZZZZZZ	1776	44692	17413
16:34	ZZZZZZ	1792	45250	17493
16:38	ZZZZZZ	1741	43476	17152
16:42	MC23630-1	1761	44805	17444
16:48	MP21521-PS1	1770	44799	17243
16:53	ZZZZZZ	1710	42783	16107
16:57	MA16005-CRIA2	1710	43279	16433
17:01	MA16005-CRI1	1694	42572	16203
17:06	MP21518-B1	1680	42276	16186
17:10	MA16005-CCV4	1687	42467	16159
17:14	MA16005-CCB4	1707	43176	16246
17:18	MP21518-MB1	1701	42752	16330
17:23	MP21518-S1	1714	43238	16920
17:27	MP21518-S2	1698	42832	16712
17:31	MC23587-3	1735	43231	17055
17:36	MP21518-SD1	1712	42803	15915
17:40	MP21518-B2	1671	41780	16196
17:44	MP21518-MB2	1693	42613	16255
17:49	MP21518-MB3	1700	42612	16029
17:53	ZZZZZZ	1661	43004	16128
17:58	ZZZZZZ	1667	42779	16289
18:02	MA16005-CCV5	1676	42925	16010
18:06	MA16005-CCB5	1698	42793	15687
18:11	ZZZZZZ	1644	42552	15986
18:15	ZZZZZZ	1657	42487	16230
18:20	ZZZZZZ	1654	42285	16262
18:24	ZZZZZZ	1662	42687	16218
18:29	ZZZZZZ	1696	42837	16974
18:33	ZZZZZZ	1712	43122	16406
18:37	ZZZZZZ	1716	43068	16505
18:42	ZZZZZZ	1709	42874	16425
18:46	ZZZZZZ	1708	43049	16406
18:50	ZZZZZZ	1699	43340	16394

INTERNAL STANDARD SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16005
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
18:55	MA16005-CCV6	1713	42693	16474
18:59	MA16005-CCB6	1735	43773	16278
19:03	ZZZZZZ	1700	43160	16382
19:08	ZZZZZZ	1730	43368	16771
19:12	ZZZZZZ	1730	43619	16595
19:16	ZZZZZZ	1729	43676	16652
19:21	ZZZZZZ	1716	42861	16245
19:25	ZZZZZZ	1717	44207	16397
19:29	ZZZZZZ	1684	42960	16309
19:34	MA16005-CRI2	1712	42732	16217
19:38	MA16005-ICSA2	1548	39895	15988
19:42	MA16005-ICSAB2	1559	39749	15783
19:47	MA16005-CCV7	1695	42399	16446
19:51	MA16005-CCB7	1717	41897	16383

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16005 Units: ug/l

Time: / Sample ID:			14:07 ICB1		14:15 CCB1		15:18 CCB2		16:12 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12								
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.7	2.1	<4.0	1.5	<4.0	0.10	<4.0	0.60	<4.0
Barium	50	.32	0.10	<50	0.20	<50	0.30	<50	0.30	<50
Beryllium	4.0	.1	anr							
Boron	100	1.1								
Cadmium	4.0	.25	0.0	<4.0	0.20	<4.0	0.20	<4.0	0.20	<4.0
Calcium	5000	21								
Chromium	10	.48	0.10	<10	-0.20	<10	-0.40	<10	0.20	<10
Cobalt	50	.29								
Copper	25	.93								
Gold	50	1.5								
Iron	100	3.5	anr							
Lead	5.0	1.2	0.20	<5.0	1.2	<5.0	1.5	<5.0	0.40	<5.0
Magnesium	5000	30								
Manganese	15	.16	anr							
Molybdenum	100	.31								
Nickel	40	.45	anr							
Palladium	50	2.2								
Platinum	50	6.4								
Potassium	5000	54								
Selenium	10	1.7	0.20	<10	1.8	<10	-0.70	<10	-0.20	<10
Silicon	100	2								
Silver	5.0	.81	0.60	<5.0	0.20	<5.0	0.90	<5.0	0.70	<5.0
Sodium	5000	16								
Strontium	10	.12								
Thallium	5.0	1.2	anr							
Tin	100	.87								
Titanium	50	.66								
Tungsten	100	9.3								
Vanadium	10	.82	anr							
Zinc	20	.45	anr							
Zirconium	50	.45								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16005 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16005 Units: ug/l

Time: / Sample ID:			17:14 CCB4		18:06 CCB5		18:59 CCB6		19:51 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12								
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.7	-0.50	<4.0	-0.10	<4.0	0.90	<4.0	1.5	<4.0
Barium	50	.32	0.50	<50	0.30	<50	0.20	<50	0.40	<50
Beryllium	4.0	.1	anr							
Boron	100	1.1								
Cadmium	4.0	.25	0.10	<4.0	0.50	<4.0	0.20	<4.0	0.30	<4.0
Calcium	5000	21								
Chromium	10	.48	-0.70	<10	0.20	<10	-0.30	<10	-0.20	<10
Cobalt	50	.29								
Copper	25	.93								
Gold	50	1.5								
Iron	100	3.5	anr							
Lead	5.0	1.2	0.60	<5.0	0.10	<5.0	0.70	<5.0	1.1	<5.0
Magnesium	5000	30								
Manganese	15	.16	anr							
Molybdenum	100	.31								
Nickel	40	.45	anr							
Palladium	50	2.2								
Platinum	50	6.4								
Potassium	5000	54								
Selenium	10	1.7	-0.20	<10	-0.30	<10	-0.30	<10	1.2	<10
Silicon	100	2								
Silver	5.0	.81	0.50	<5.0	0.50	<5.0	0.70	<5.0	0.80	<5.0
Sodium	5000	16								
Strontium	10	.12								
Thallium	5.0	1.2	anr							
Tin	100	.87								
Titanium	50	.66								
Tungsten	100	9.3								
Vanadium	10	.82	anr							
Zinc	20	.45	anr							
Zirconium	50	.45								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16005 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16005 Units: ug/l

Time:		14:01			14:11			15:03	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	3000	3070	102.3	2000	2020	101.0	2000	2040	102.0
Barium	3000	3070	102.3	2000	1980	99.0	2000	1990	99.5
Beryllium	anr								
Boron									
Cadmium	3000	3050	101.7	2000	2030	101.5	2000	2060	103.0
Calcium									
Chromium	3000	3110	103.7	2000	2030	101.5	2000	2050	102.5
Cobalt									
Copper									
Gold									
Iron	anr								
Lead	3000	2990	99.7	2000	1990	99.5	2000	2000	100.0
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	3000	3050	101.7	2000	2010	100.5	2000	2030	101.5
Silicon									
Silver	500	518	103.6	250	256	102.4	250	260	104.0
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16005 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16005 Units: ug/l

Time:		16:08			17:10			18:02	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Barium	2000	1980	99.0	2000	1980	99.0	2000	1970	98.5
Beryllium	anr								
Boron									
Cadmium	2000	2060	103.0	2000	2050	102.5	2000	2050	102.5
Calcium									
Chromium	2000	2040	102.0	2000	2020	101.0	2000	1970	98.5
Cobalt									
Copper									
Gold									
Iron	anr								
Lead	2000	2000	100.0	2000	2000	100.0	2000	1990	99.5
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	2000	2030	101.5	2000	2020	101.0	2000	2020	101.0
Silicon									
Silver	250	256	102.4	250	255	102.0	250	250	100.0
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16005 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16005 Units: ug/l

Time:		18:55			19:47	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	2000	2000	100.0	2000	2010	100.5
Barium	2000	1970	98.5	2000	1960	98.0
Beryllium	anr					
Boron						
Cadmium	2000	2000	100.0	2000	2020	101.0
Calcium						
Chromium	2000	2000	100.0	2000	1990	99.5
Cobalt						
Copper						
Gold						
Iron	anr					
Lead	2000	1980	99.0	2000	1980	99.0
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Platinum						
Potassium						
Selenium	2000	2000	100.0	2000	2010	100.5
Silicon						
Silver	250	251	100.4	250	249	99.6
Sodium						
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					
Zirconium						

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16005 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16005 Units: ug/l

Time: / Sample ID: / Metal	CRI True	CRIA True	14:20 CRIA1 Results	% Rec	16:57 CRIA2 Results	% Rec	17:01 CRI1 Results	% Rec	19:34 CRI2 Results	% Rec
Aluminum	200	200								
Antimony	6.0	10	anr							
Arsenic	4.0	10	11.2	112.0	11.7	117.0	3.4	85.0	3.9	97.5
Barium	50	50	51.2	102.4	51.8	103.6	51.2	102.4	51.1	102.2
Beryllium	4.0	4.0	anr							
Boron	100	100								
Cadmium	4.0	4.0	4.6	115.0	4.5	112.5	4.3	107.5	4.3	107.5
Calcium	5000	5000								
Chromium	10	10	9.8	98.0	9.9	99.0	9.8	98.0	10.2	102.0
Cobalt	50	50								
Copper	25	25								
Gold	50	50								
Iron	100	100	anr							
Lead	5.0	10	10.5	105.0	10.9	109.0	6.0	120.0	5.2	104.0
Magnesium	5000	5000								
Manganese	15	15	anr							
Molybdenum	100	100								
Nickel	40	40	anr							
Palladium	50	50								
Platinum	50	50								
Potassium	5000	5000								
Selenium	10	10	9.9	99.0	10.2	102.0	10.6	106.0	10.5	105.0
Silicon	100	100								
Silver	5.0	5.0	5.3	106.0	6.0	120.0	5.8	116.0	5.7	114.0
Sodium	5000	5000								
Strontium	10	10								
Thallium	5.0	10	anr							
Tin	100	100								
Titanium	50	50								
Tungsten	100	100								
Vanadium	10	10	anr							
Zinc	20	20	anr							
Zirconium	50	50								

(*) Outside of QC limits

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16005 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16005 Units: ug/l

Time:			14:24		14:29		19:38		19:42	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	539000	107.8	538000	107.6	541000	108.2	541000	108.2
Antimony		2000	3.1		2160	108.0	0.40		2150	107.5
Arsenic		2000	-0.60		2120	106.0	-0.60		2110	105.5
Barium		500	-0.80		509	101.8	-0.80		506	101.2
Beryllium		500	0.10		472	94.4	0.10		471	94.2
Boron		1000	0.40		1060	106.0	-0.20		1060	106.0
Cadmium		1000	0.50		1080	108.0	0.50		1080	108.0
Calcium	500000	500000	471000	94.2	469000	93.8	466000	93.2	472000	94.4
Chromium		500	0.30		514	102.8	-0.20		507	101.4
Cobalt		500	2.4		520	104.0	2.0		517	103.4
Copper		500	0.10		546	109.2	0.90		541	108.2
Gold		500	-5.2		501	100.2	-2.8		501	100.2
Iron	200000	200000	190000	95.0	191000	95.5	191000	95.5	191000	95.5
Lead		1000	2.7		982	98.2	2.4		976	97.6
Magnesium	500000	500000	505000	101.0	505000	101.0	504000	100.8	504000	100.8
Manganese		500	-0.10		512	102.4	-0.30		508	101.6
Molybdenum		1000	-0.50		1020	102.0	-1.1		1020	102.0
Nickel		1000	0.20		946	94.6	0.50		944	94.4
Palladium		500	-40		514	102.8	-39		513	102.6
Platinum		500	-29		487	97.4	-22		485	97.0
Potassium			-8.4		21.8		77.2		79.6	
Selenium		2000	-0.10		2090	104.5	-0.40		2080	104.0
Silicon		2000	-20		1500	75.0*	-19		1500	75.0*
Silver		1000	-0.30		1090	109.0	-0.70		1090	109.0
Sodium			69.6		78.7		156		145	
Strontium		1000	0.90		995	99.5	1.2		990	99.0
Thallium		2000	1.1		2080	104.0	0.70		2070	103.5
Tin		1000	0.10		1050	105.0	-0.30		1050	105.0
Titanium		500	9.7		541	108.2	9.8		532	106.4
Tungsten		2000	-41		2270	113.5	-41		2220	111.0
Vanadium		500	0.70		538	107.6	0.20		527	105.4
Zinc		1000	-0.50		972	97.2	-0.70		961	96.1
Zirconium		500	1.5		447	89.4	1.3		436	87.2

(*) Outside of QC limits

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: SB082013M1.ICP Date Analyzed: 08/20/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16005 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/19/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.2	3.6		
Antimony	1.0	.11	.15		
Arsenic	1.0	.17	.21	-0.030	<1.0
Barium	5.0	.032	.073	0.060	<5.0
Beryllium	0.40	.01	.024		
Boron	10	.11	.11		
Cadmium	0.40	.025	.042	0.020	<0.40
Calcium	500	2.1	6.3		
Chromium	1.0	.048	.095	0.020	<1.0
Cobalt	5.0	.029	.047		
Copper	2.5	.093	.56		
Gold	5.0	.15	.43		
Iron	10	.35	.87		
Lead	1.0	.12	.17	0.050	<1.0
Magnesium	500	3	5.1		
Manganese	1.5	.016	.04		
Molybdenum	10	.031	.07		
Nickel	4.0	.045	.044		
Palladium	5.0	.22	.64		
Platinum	5.0	.64	1.5		
Potassium	500	5.4	8.6		
Selenium	1.0	.17	.35	0.15	<1.0
Silicon	10	.2	3.3		
Silver	0.50	.081	.13	0.030	<0.50
Sodium	500	1.6	3.3		
Strontium	1.0	.012	.03		
Thallium	1.0	.12	.13		
Tin	10	.087	.14		
Titanium	5.0	.066	.14		
Tungsten	10	.93	.94		
Vanadium	1.0	.082	.13		
Zinc	2.0	.045	.16		
Zirconium	5.0	.045	.088		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21521: MC23630-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/19/13

Metal	MC23518-1 Original	MS	Spikelot MPICP	% Rec	QC Limits
Aluminum					
Antimony	anr				
Arsenic	8.7	54.1	44.9	101.0	75-125
Barium	42.4	209	180	92.7	75-125
Beryllium	anr				
Boron					
Cadmium	0.14	43.5	44.9	96.5	75-125
Calcium					
Chromium	25.7	64.2	44.9	85.7	75-125
Cobalt					
Copper					
Gold					
Iron					
Lead	10.4	93.3	89.9	92.2	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Palladium					
Platinum					
Potassium					
Selenium	0.0	41.8	44.9	93.0	75-125
Silicon					
Silver	0.0	17.1	18	95.1	75-125
Sodium					
Strontium					
Thallium	anr				
Tin					
Titanium					
Tungsten					
Vanadium	anr				
Zinc	anr				
Zirconium					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21521: MC23630-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/19/13

Metal	MC23518-1 Original	MSD	Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	anr					
Arsenic	8.7	52.7	44.9	97.9	2.6	20
Barium	42.4	210	180	93.2	0.5	20
Beryllium	anr					
Boron						
Cadmium	0.14	44.2	44.9	98.0	1.6	20
Calcium						
Chromium	25.7	64.5	44.9	86.3	0.5	20
Cobalt						
Copper						
Gold						
Iron						
Lead	10.4	93.1	89.9	92.0	0.2	20
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Palladium						
Platinum						
Potassium						
Selenium	0.0	42.9	44.9	95.5	2.6	20
Silicon						
Silver	0.0	17.2	18	95.7	0.6	20
Sodium						
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					
Zirconium						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21521: MC23630-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/19/13 08/19/13

Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum									
Antimony	anr								
Arsenic	52.3	50	104.6	80-120	52.5	50	105.0	0.4	20
Barium	198	200	99.0	80-120	195	200	97.5	1.5	20
Beryllium	anr								
Boron									
Cadmium	50.5	50	101.0	80-120	51.4	50	102.8	1.8	20
Calcium									
Chromium	52.3	50	104.6	80-120	52.4	50	104.8	0.2	20
Cobalt									
Copper									
Gold									
Iron									
Lead	97.7	100	97.7	80-120	97.7	100	97.7	0.0	20
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	49.4	50	98.8	80-120	49.6	50	99.2	0.4	20
Silicon									
Silver	20.1	20	100.5	80-120	20.3	20	101.5	1.0	20
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								
Zirconium									

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21521: MC23630-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 08/19/13

Metal	LCS Result	Spikelot MPLCS78	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	91.2	94.5	96.5	82-117
Barium	159	166	95.8	83-116
Beryllium	anr			
Boron				
Cadmium	59.0	59.9	98.5	84-116
Calcium				
Chromium	69.6	69.3	100.4	81-119
Cobalt				
Copper				
Gold				
Iron				
Lead	85.1	91.7	92.8	82-118
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Palladium				
Platinum				
Potassium				
Selenium	154	159	96.9	79-121
Silicon				
Silver	33.4	33.9	98.5	66-134
Sodium				
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			
Zirconium				

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21521: MC23630-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/19/13

Metal	MC23518-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	97.8	106	8.8	0-10
Barium	476	515	8.1	0-10
Beryllium	anr			
Boron				
Cadmium	1.60	1.60	0.0	0-10
Calcium				
Chromium	288	311	7.9	0-10
Cobalt				
Copper				
Gold				
Iron				
Lead	116	123	5.9	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Palladium				
Platinum				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			
Zirconium				

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Associated samples MP21521: MC23630-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

POST DIGESTATE SPIKE SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/19/13

Metal	Sample ml	Final ml	MC23518-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Boron										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Gold										
Iron										
Lead										
Magnesium										
Manganese										
Molybdenum										
Nickel										
Palladium										
Platinum										
Potassium										
Selenium										
Silicon										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Tungsten										
Vanadium										
Zinc										
Zirconium										

POST DIGESTATE SPIKE SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21521
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Associated samples MP21521: MC23630-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21523 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/20/13

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0087	.0097	-0.0025	<0.033

Associated samples MP21523: MC23630-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21523 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/20/13

Metal	MC23518-1 Original	MS	Spikelot HGRWS1	% Rec	QC Limits
Mercury	0.0	0.51	0.478	106.7	80-120

Associated samples MP21523: MC23630-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21523 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/20/13

Metal	MC23518-1 Original	MSD	Spikelot HGRWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	0.52	0.478	108.8	1.9	20

Associated samples MP21523: MC23630-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21523
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 08/20/13 08/20/13

Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	0.50	0.5	100.0	80-120	0.49	0.5	98.0	2.0	30

Associated samples MP21523: MC23630-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

QC Batch ID: MP21523
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 08/20/13

Metal	LCS Result	Spikelot HGLCS78	% Rec	QC Limits
Mercury	4.6	4.05	113.6	72-128

Associated samples MP21523: MC23630-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

New England ACCUTEST LABORATORIES

Metals Analysis

Raw Data

```
                                Folder:   #HG5     **PUBLIC FOLDER **   Page    1
                                Protocol:
                               ***POST-RUN REPORT***
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  653     10:59:46 20 Aug 13   HG

Hg    .000    ppb       7

*** Standard: 2 Rep: 1              Seq:  654     11:02:08 20 Aug 13   HG

Hg    .200    ppb       1300

*** Standard: 3 Rep: 1              Seq:  655     11:04:31 20 Aug 13   HG

Hg    .500    ppb       3493

*** Standard: 4 Rep: 1              Seq:  656     11:06:55 20 Aug 13   HG

Hg    1.00    ppb       7620

*** Standard: 5 Rep: 1              Seq:  657     11:09:17 20 Aug 13   HG

Hg    2.00    ppb       13687

*** Standard: 6 Rep: 1              Seq:  658     11:11:46 20 Aug 13   HG

Hg    3.00    ppb       20999

*** Standard: 7 Rep: 1              Seq:  659     11:14:10 20 Aug 13   HG

Hg    4.00    ppb       28440

*** Standard: 8 Rep: 1              Seq:  660     11:16:48 20 Aug 13   HG

Hg    5.00    ppb       35243

*** Standard: 9 Rep: 1              Seq:  661     11:19:10 20 Aug 13   HG

Hg    6.00    ppb       41482

*** Sample ID: ICV        H1082013S1 Seq:  662    11:23:26 20 Aug 13   HG

Hg    3.90    ppb        .000      3.90

===============================================================================
*** Sample ID: ICB        H1082013S1 Seq:  663    11:25:51 20 Aug 13   HG

Hg   -.064    ppb        .000     -.064

                                                                              =
===============================================================================
```

Folder: #HG5 **PUBLIC FOLDER ** Page 2
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCV H1082013S1 Seq: 664 11:28:22 20 Aug 13 HG								
Hg	3.05	ppb	.000	3.05				
*** Sample ID: CCB H1082013S1 Seq: 665 11:30:43 20 Aug 13 HG								
Hg	-.037	ppb	.000	-.037				
*** Sample ID: CRI H1082013S1 Seq: 666 11:33:45 20 Aug 13 HG								
Hg	.166	ppb	.000	.166				
*** Sample ID: MP21523MB1 H1082013S1 Seq: 667 11:36:11 20 Aug 13 HG								
Hg	-.015	ppb	.000	-.015				
*** Sample ID: MP21523-B1 H1082013S1 Seq: 668 11:38:47 20 Aug 13 HG								
Hg	2.97	ppb	.000	2.97				
*** Sample ID: MP21523-B2 H1082013S1 Seq: 669 11:41:09 20 Aug 13 HG								
Hg	2.93	ppb	.000	2.93				
*** Sample ID: MP21523-S1 H1082013S1 Seq: 670 11:43:31 20 Aug 13 HG MC23518-1								
Hg	3.20	ppb	.000	3.20				
*** Sample ID: MP21523-S2 H1082013S1 Seq: 671 11:45:53 20 Aug 13 HG MC23518-1								
Hg	3.26	ppb	.000	3.26				
*** Sample ID: MC23518-1 H1082013S1 Seq: 672 11:48:36 20 Aug 13 HG								
Hg	.047	ppb	.000	.047				
*** Sample ID: MP21523LC1 H1082013S1 Seq: 673 11:51:38 20 Aug 13 HG Wgt 1.0000 Vol 10.000								
Hg	27.7	ppb	.000	27.7				

Folder: #HG5 **PUBLIC FOLDER ** Page 3
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC23582-1 H1082013S1 Seq: 674 11:54:15 20 Aug 13 HG								
Hg	2.47	ppb	.000	2.47				
*** Sample ID: MC23582-2 H1082013S1 Seq: 675 11:56:48 20 Aug 13 HG								
Hg	2.03	ppb	.000	2.03				
*** Sample ID: CCV H1082013S1 Seq: 676 11:59:12 20 Aug 13 HG								
Hg	3.09	ppb	.000	3.09				
*** Sample ID: CCB H1082013S1 Seq: 677 12:02:04 20 Aug 13 HG								
Hg	-.022	ppb	.000	-.022				
*** Sample ID: MC23582-3 H1082013S1 Seq: 678 12:04:45 20 Aug 13 HG								
Hg	2.05	ppb	.000	2.05				
*** Sample ID: MC23582-4 H1082013S1 Seq: 679 12:07:29 20 Aug 13 HG								
Hg	2.18	ppb	.000	2.18				
*** Sample ID: MC23582-5 H1082013S1 Seq: 680 12:09:56 20 Aug 13 HG								
Hg	1.50	ppb	.000	1.50				
*** Sample ID: MC23593-1 H1082013S1 Seq: 681 12:12:39 20 Aug 13 HG								
Hg	.187	ppb	.000	.187				
*** Sample ID: MC23593-2 H1082013S1 Seq: 682 12:15:02 20 Aug 13 HG								
Hg	.277	ppb	.000	.277				
*** Sample ID: MC23594-1 H1082013S1 Seq: 683 12:17:27 20 Aug 13 HG								
Hg	.118	ppb	.000	.118				

Folder: #HG5 **PUBLIC FOLDER ** Page 4
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: MC23602-1 H1082013S1 Seq: 684 12:19:51 20 Aug 13 HG									
Hg	.048	ppb	.000	.048					=
*** Sample ID: MC23602-2 H1082013S1 Seq: 685 12:22:13 20 Aug 13 HG									
Hg	.188	ppb	.000	.188					=
*** Sample ID: MC23602-3 H1082013S1 Seq: 686 12:24:45 20 Aug 13 HG									
Hg	.036	ppb	.000	.036					=
*** Sample ID: MC23602-4 H1082013S1 Seq: 687 12:27:06 20 Aug 13 HG									
Hg	.335	ppb	.000	.335					=
*** Sample ID: CCV H1082013S1 Seq: 688 12:30:18 20 Aug 13 HG									
Hg	3.06	ppb	.000	3.06					=
*** Sample ID: CCB H1082013S1 Seq: 689 12:33:01 20 Aug 13 HG									
Hg	-.031	ppb	.000	-.031					=
*** Sample ID: MC23630-1 H1082013S1 Seq: 690 12:35:26 20 Aug 13 HG									
Hg	.411	ppb	.000	.411					=
*** Sample ID: CRI H1082013S1 Seq: 691 12:37:54 20 Aug 13 HG									
Hg	.183	ppb	.000	.183					=
*** Sample ID: CCV H1082013S1 Seq: 692 12:40:21 20 Aug 13 HG									
Hg	2.85	ppb	.000	2.85					=
*** Sample ID: CCB H1082013S1 Seq: 693 12:42:44 20 Aug 13 HG									
Hg	-.065	ppb	.000	-.065					=

Sample Name: Std1 Acquired: 8/20/2013 13:43:56 Type: Cal
Method: Accutest -SS2(v31) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0036	.0009	.0008	.0003	.0035	.0089	.0002	.0040	.0050
Stddev	.0001	.0001	.0000	.0001	.0001	.0000	.0003	.0001	.0003
%RSD	3.350	12.59	3.738	26.20	3.493	.2206	164.8	1.975	6.851
#1	-.0036	.0009	.0008	.0003	.0036	.0089	.0000	.0041	.0048
#2	-.0037	.0008	.0008	.0004	.0034	.0089	.0004	.0039	.0053

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0016	.0001	.0238	.0003	.0015	-.0001	.0005	.0012	.0005
Stddev	.0006	.0000	.0002	.0001	.0004	.0002	.0003	.0001	.0005
%RSD	34.55	9.312	.9849	17.15	28.96	444.4	56.25	8.095	108.9
#1	-.0012	.0002	.0239	.0004	.0012	-.0002	.0007	.0013	.0001
#2	-.0020	.0001	.0236	.0003	.0018	.0001	.0003	.0011	.0009

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0038	-.0017	.0002	.0000	.0020	.0018	.0850	-.0004	.0041
Stddev	.0002	.0008	.0000	.0001	.0006	.0004	.0005	.0002	.0001
%RSD	4.550	46.26	7.343	187.9	28.57	20.74	.6375	50.90	1.900
#1	-.0039	-.0023	.0002	.0000	.0024	.0021	.0846	-.0003	.0041
#2	-.0036	-.0012	.0002	.0001	.0016	.0015	.0853	-.0006	.0042

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0007	-.0052	.0007	.0001	-.0010	-.0003
Stddev	.0000	.0001	.0002	.0000	.0004	.0001
%RSD	6.154	1.295	24.55	15.76	42.43	37.87
#1	-.0007	-.0051	.0006	.0001	-.0013	-.0003
#2	-.0007	-.0052	.0009	.0001	-.0007	-.0002

Sample Name: Std1 Acquired: 8/20/2013 13:43:56 Type: Cal
Method: Accutest -SS2(v31) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1720.6	42814.	16191.
Stddev	1.4	296.	62.
%RSD	.08042	.69105	.38177
#1	1719.7	43023.	16235.
#2	1721.6	42604.	16148.

Sample Name: Std2 Acquired: 8/20/2013 13:48:17 Type: Cal
Method: Accutest -SS2(v31) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1889	.7854	2.823	15.53	13.91	11.59	9.338	1.077	2.350	6.178
Stddev	.0000	.0010	.003	.05	.07	.01	.003	.001	.001	.004
%RSD	.0117	.1316	.1030	.3509	.4740	.0824	.0325	.1185	.0613	.0604
#1	.1889	.7847	2.821	15.57	13.95	11.59	9.336	1.078	2.349	6.175
#2	.1889	.7862	2.825	15.49	13.86	11.60	9.341	1.076	2.351	6.180

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.532	7.895	3.125	2.056	1.281	1.110	12.53
Stddev	.017	.004	.001	.003	.002	.000	.00
%RSD	.2213	.0466	.0267	.1204	.1315	.0114	.0149
#1	7.520	7.897	3.124	2.054	1.279	1.110	12.53
#2	7.544	7.892	3.125	2.058	1.282	1.110	12.54

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1688.5	42422.	16069.
Stddev	2.3	24.	139.
%RSD	.13756	.05609	.86267
#1	1690.2	42439.	15971.
#2	1686.9	42405.	16168.

Sample Name: Std3 Acquired: 8/20/2013 13:52:31 Type: Cal
Method: Accutest -SS2(v31) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.307	2.446	1.496	.7399	.1768	2.374
Stddev	.000	.003	.000	.0023	.0009	.002
%RSD	.0142	.1360	.0156	.3066	.4981	.0779
#1	1.308	2.449	1.495	.7415	.1775	2.375
#2	1.307	2.444	1.496	.7383	.1762	2.372

Int. Std.	Y_3710
Units	Cts/S
Avg	16004.
Stddev	112.
%RSD	.69751
#1	15925.
#2	16082.

Zoom In Zoom Out

Sample Name: Std4 Acquired: 8/20/2013 13:56:50 Type: Cal
Method: Accutest -SS2(v31) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	Si2124	Sn1899	Sr4077	Ti3349	V_2924	W_2397	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3635	.5643	.0929	3.678	1.901	24.89	1.605	1.373	.0629	3.089
Stddev	.0011	.0003	.0002	.003	.002	.13	.001	.000	.0000	.005
%RSD	.3058	.0601	.1670	.0716	.0975	.5187	.0750	.0099	.0379	.1642
#1	.3627	.5646	.0930	3.676	1.900	24.80	1.604	1.373	.0629	3.092
#2	.3643	.5641	.0928	3.680	1.902	24.99	1.605	1.373	.0630	3.085

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1726.9	42616.	16218.
Stddev	.1	195.	3.
%RSD	.00298	.45820	.02126
#1	1726.9	42754.	16220.
#2	1726.9	42478.	16215.

Zoom In Zoom Out

Sample Name: ICV Acquired: 8/20/2013 14:01:12 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.5178	16.30	3.068	3.005	3.057	3.069	3.012	18.40	3.054	3.056
Stddev	.0010	.04	.002	.004	.001	.004	.000	.01	.001	.003
%RSD	.1888	.2191	.0666	.1417	.0372	.1254	.0099	.0746	.0215	.0802
#1	.5171	16.27	3.070	3.008	3.057	3.066	3.012	18.39	3.054	3.057
#2	.5185	16.32	3.067	3.002	3.058	3.071	3.012	18.41	3.054	3.054

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	3.110	2.991	18.68	16.50	18.47	3.050	2.936	15.65	2.937	2.985
Stddev	.000	.002	.03	.03	.04	.003	.001	.02	.000	.003
%RSD	.0029	.0539	.1480	.2015	.2116	.0807	.0450	.1244	.0112	.1153
#1	3.110	2.992	18.66	16.47	18.50	3.048	2.935	15.66	2.937	2.988
#2	3.110	2.990	18.70	16.52	18.45	3.052	2.936	15.64	2.937	2.983

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	3.057	2.984	3.028	3.051	2.022	3.160	3.056	3.058	3.040	3.024
Stddev	.001	.004	.001	.007	.002	.000	.001	.002	.001	.006
%RSD	.0384	.1323	.0303	.2355	.1036	.0113	.0357	.0563	.0395	.1888
#1	3.058	2.987	3.028	3.056	2.021	3.160	3.055	3.057	3.041	3.020
#2	3.056	2.981	3.029	3.046	2.024	3.161	3.057	3.060	3.039	3.028

Elem	W_2397	Zn2062	Zr3391
Avg	3.435	2.993	3.083
Stddev	.014	.003	.004
%RSD	.3991	.1109	.1399
#1	3.426	2.995	3.080
#2	3.445	2.991	3.086

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1700.6	42225.	16250.
Stddev	.9	98.	79.
%RSD	.05155	.23236	.48409
#1	1701.2	42294.	16194.
#2	1700.0	42156.	16306.

Zoom In Zoom Out

Sample Name: ICB Acquired: 8/20/2013 14:07:28 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0006	.0025	.0021	.0009	.0023	.0001	.0000	.0027	.0000	.0000
Stddev	.0005	.0023	.0007	.0005	.0001	.0000	.000	.0009	.0000	.0001
%RSD	78.98	91.86	32.62	52.48	2.987	3.228	256.3	32.20	97.28	438.2
#1	.0009	.0042	.0016	.0006	.0023	.0001	.0000	.0021	.0000	.0001
#2	.0003	.0009	.0026	.0013	.0022	.0001	.0000	.0033	.0000	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0001	-.0009	.0010	.0275	-.0173	.0000	.0022	.0080	.0005	.0002
Stddev	.0005	.0000	.0013	.0416	.0035	.000	.0006	.0098	.0001	.0017
%RSD	551.7	5.476	127.0	151.5	20.23	379.7	26.16	122.7	11.49	703.8
#1	.0004	-.0009	.0001	.0569	-.0198	.0000	.0026	.0150	.0005	-.0010
#2	-.0003	-.0009	.0019	-.0020	-.0148	.0000	.0018	.0011	.0004	.0014

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0004	.0015	-.0002	.0002	-.0006	.0001	.0001	.0003	.0003	.0004
Stddev	.0005	.0019	.0007	.0003	.0004	.0004	.0002	.0004	.0006	.0002
%RSD	141.6	133.0	447.3	145.5	76.20	613.5	113.5	147.0	176.3	69.65
#1	.0007	.0001	-.0007	.0005	-.0009	.0004	.0000	.0000	.0007	.0005
#2	.0000	.0028	.0003	.0000	-.0003	-.0002	.0003	.0006	-.0001	.0002

Elem	W_2397	Zn2062	Zr3391
Avg	.0169	.0000	.0015
Stddev	.0036	.000	.0001
%RSD	21.11	120.0	9.977
#1	.0194	.0000	.0016
#2	.0143	-.0001	.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1706.8	43024.	16022.
Stddev	6.6	232.	113.
%RSD	.38820	.53883	.70338
#1	1711.4	42860.	15942.
#2	1702.1	43188.	16102.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/20/2013 14:11:48 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2557	10.12	2.016	-.0032	2.021	1.983	1.986	10.13	2.032	2.108
Stddev	.0006	.03	.001	.0002	.004	.002	.003	.03	.001	.001
%RSD	.2153	.3176	.0403	6.176	.1716	.0877	.1502	.2820	.0267	.0303
#1	.2561	10.09	2.016	-.0031	2.024	1.984	1.988	10.11	2.032	2.107
#2	.2553	10.14	2.015	-.0033	2.019	1.982	1.984	10.15	2.032	2.108

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.026	2.008	10.12	10.08	9.951	2.015	2.012	10.11	1.999	1.987
Stddev	.005	.005	.01	.02	.034	.002	.001	.01	.000	.000
%RSD	.2405	.2669	.1106	.1760	.3455	.0788	.0499	.0992	.0117	.0224
#1	2.023	2.005	10.13	10.09	9.975	2.014	2.011	10.12	1.999	1.988
#2	2.030	2.012	10.11	10.07	9.927	2.016	2.012	10.10	1.999	1.987

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0006	.0018	2.023	2.012	1.156	2.019	1.986	2.019	2.023	2.017
Stddev	.0012	.0059	.001	.002	.001	.003	.001	.002	.002	.004
%RSD	203.9	330.6	.0707	.0908	.1012	.1555	.0594	.0831	.1063	.2135
#1	.0003	-.0024	2.024	2.013	1.156	2.017	1.987	2.018	2.021	2.013
#2	-.0015	.0060	2.022	2.010	1.155	2.021	1.985	2.020	2.024	2.020

Elem	W_2397	Zn2062	Zr3391
Avg	.0282	2.014	.0039
Stddev	.0011	.001	.0012
%RSD	3.822	.0286	30.69
#1	.0274	2.014	.0047
#2	.0290	2.013	.0030

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1673.0	41614.	16049.
Stddev	1.5	37.	78.
%RSD	.08743	.08886	.48614
#1	1672.0	41640.	16104.
#2	1674.1	41588.	15994.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/20/2013 14:15:58 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0055	.0015	-.0008	.0026	.0002	.0001	.0042	.0002	.0003
Stddev	.0006	.0042	.0000	.0013	.0001	.0001	.0000	.0002	.0002	.0002
%RSD	255.2	76.24	3.072	171.5	4.687	67.50	7.036	3.571	103.0	57.99
#1	-.0002	.0025	.0015	.0002	.0025	.0001	.0001	.0041	.0001	.0002
#2	.0006	.0084	.0015	-.0017	.0027	.0003	.0001	.0043	.0004	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	-.0005	-.0009	.0132	-.0019	.0000	.0035	.0009	.0005	.0012
Stddev	.0005	.0007	.0029	.0039	.0055	.0000	.0008	.0020	.0002	.0008
%RSD	256.3	120.3	319.4	29.77	288.2	127.2	23.57	237.4	36.42	65.21
#1	-.0005	-.0010	.0011	.0104	-.0058	.0000	.0040	-.0006	.0004	.0017
#2	.0002	-.0001	-.0029	.0159	.0020	.0000	.0029	.0023	.0007	.0006

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0002	.0030	-.0001	.0018	.0016	.0007	.0002	.0003	.0019	-.0002
Stddev	.0003	.0031	.0007	.0001	.0011	.0004	.0000	.0005	.0007	.0000
%RSD	157.0	101.7	478.0	5.987	65.68	57.25	17.87	154.1	36.31	27.89
#1	.0000	.0008	.0003	.0018	.0009	.0010	.0002	.0007	.0023	-.0002
#2	.0004	.0052	-.0006	.0017	.0024	.0004	.0002	.0000	.0014	-.0001

Elem	W_2397	Zn2062	Zr3391
Avg	.0059	.0001	.0007
Stddev	.0016	.0002	.0004
%RSD	27.25	238.8	54.77
#1	.0070	.0000	.0004
#2	.0047	.0002	.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1710.6	42705.	16137.
Stddev	.6	83.	48.
%RSD	.03517	.19426	.29789
#1	1710.2	42763.	16171.
#2	1711.0	42646.	16103.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 8/20/2013 14:20:19 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0053	.2151	.0112	-.0006	.1003	.0512	.0042	5.152	.0046	.0538
Stddev	.0001	.0017	.0003	.0007	.0005	.0002	.0000	.035	.0000	.0003
%RSD	1.447	.8075	2.401	110.3	.5288	.3259	.3767	.6721	.5318	.5541
#1	.0054	.2139	.0113	-.0011	.1007	.0514	.0042	5.177	.0046	.0540
#2	.0053	.2163	.0110	-.0001	.0999	.0511	.0042	5.128	.0046	.0536

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0098	.0227	.1044	5.141	5.050	.0157	.1037	5.096	.0413	.0105
Stddev	.0003	.0000	.0002	.037	.014	.0001	.0002	.039	.0000	.0007
%RSD	2.983	.0498	.2294	.7268	.2815	.4979	.1671	.7703	.0802	6.742
#1	.0096	.0227	.1042	5.167	5.060	.0156	.1036	5.124	.0413	.0100
#2	.0100	.0227	.1046	5.114	5.040	.0157	.1038	5.069	.0413	.0110

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0004	-.0001	.0109	.0099	-.0547	.1020	.0102	.0526	.0110	.0099
Stddev	.0002	.0002	.0001	.0012	.0000	.0005	.0001	.0006	.0008	.0003
%RSD	48.06	119.4	.6974	11.81	.0018	.4995	.5501	1.139	7.198	3.377
#1	-.0005	.0000	.0110	.0108	-.0547	.1024	.0103	.0530	.0116	.0102
#2	-.0002	-.0003	.0108	.0091	-.0547	.1017	.0102	.0522	.0104	.0097

Elem	W_2397	Zn2062	Zr3391
Avg	.0095	.0215	.0004
Stddev	.0041	.0002	.0001
%RSD	42.92	.7110	20.69
#1	.0066	.0214	.0004
#2	.0124	.0216	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1695.9	42211.	16254.
Stddev	1.1	183.	64.
%RSD	.06533	.43456	.39595
#1	1696.6	42340.	16209.
#2	1695.1	42081.	16300.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 8/20/2013 14:24:36 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	539.1	-.0006	-.0052	.0004	-.0008	.0001	471.1	.0005	.0024
Stddev	.0004	10.1	.0017	.0009	.0006	.0001	.0000	5.7	.0000	.0002
%RSD	108.6	1.865	287.1	16.67	145.6	16.20	62.10	1.209	1.798	7.667
#1	-.0001	546.2	-.0018	-.0045	.0008	-.0009	.0001	467.0	.0005	.0023
#2	-.0006	532.0	.0006	-.0058	.0000	-.0007	.0000	475.1	.0005	.0025

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0003	.0001	190.3	-.0084	505.1	-.0001	-.0005	.0696	.0002	.0027
Stddev	.0005	.0007	.5	.0058	1.3	.0001	.0004	.0135	.0003	.0008
%RSD	181.2	801.5	.2531	68.55	.2494	129.4	71.72	19.34	155.2	29.06
#1	.0007	.0005	190.7	-.0043	506.0	.0000	-.0003	.0601	.0000	.0021
#2	-.0001	-.0004	190.0	-.0125	504.2	-.0001	-.0008	.0791	.0004	.0032

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0395	-.0287	.0031	-.0001	-.0202	.0001	.0009	.0097	.0011	.0007
Stddev	.0037	.0045	.0000	.0015	.0003	.0002	.0001	.0009	.0002	.0001
%RSD	9.298	15.66	.7189	1753.	1.332	171.0	10.27	9.006	16.91	19.28
#1	-.0369	-.0256	.0031	-.0011	-.0204	.0003	.0009	.0091	.0010	.0008
#2	-.0421	-.0319	.0031	.0010	-.0200	.0000	.0008	.0103	.0012	.0006

Elem	W_2397	Zn2062	Zr3391
Avg	-.0407	-.0005	.0015
Stddev	.0087	.0001	.0002
%RSD	21.30	23.61	14.83
#1	-.0345	-.0005	.0017
#2	-.0468	-.0004	.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1527.9	38952.	15571.
Stddev	6.8	401.	90.
%RSD	.44503	1.0300	.57645
#1	1523.1	39236.	15507.
#2	1532.7	38669.	15634.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 8/20/2013 14:29:02 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.093	538.3	2.116	.5010	1.059	.5091	.4715	469.2	1.080	.5199
Stddev	.004	.8	.005	.0027	.000	.0018	.0001	2.5	.001	.0006
%RSD	.3186	.1488	.2498	.5433	.0098	.3500	.0190	.5392	.1119	.1127
#1	1.095	537.7	2.112	.5029	1.059	.5078	.4714	471.0	1.079	.5195
#2	1.090	538.9	2.120	.4991	1.059	.5103	.4715	467.4	1.081	.5203

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5137	.5457	190.5	.0218	504.7	.5120	1.022	.0787	.9458	.9816
Stddev	.0023	.0031	1.9	.0103	.0	.0014	.002	.0046	.0002	.0016
%RSD	.4411	.5607	.9956	47.25	.0061	.2736	.1992	5.828	.0206	.1624
#1	.5153	.5479	191.9	.0291	504.6	.5130	1.020	.0820	.9457	.9827
#2	.5121	.5435	189.2	.0145	504.7	.5110	1.023	.0755	.9459	.9805

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.5137	.4873	2.158	2.087	1.499	1.051	.9946	.5406	2.084	.5377
Stddev	.0010	.0059	.000	.001	.000	.001	.0024	.0007	.001	.0022
%RSD	.2015	1.211	.0144	.0332	.0201	.0732	.2447	.1319	.0525	.4054
#1	.5130	.4831	2.158	2.087	1.499	1.051	.9928	.5411	2.083	.5392
#2	.5145	.4915	2.158	2.088	1.499	1.050	.9963	.5401	2.085	.5361

Elem	W_2397	Zn2062	Zr3391
Avg	2.270	.9717	.4469
Stddev	.011	.0010	.0026
%RSD	.5034	.1030	.5811
#1	2.261	.9710	.4451
#2	2.278	.9724	.4487

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1552.4	39620.	15906.
Stddev	.6	10.	17.
%RSD	.03830	.02402	.10615
#1	1552.9	39613.	15894.
#2	1552.0	39627.	15918.

Zoom In Zoom Out

Sample Name: MP21521-B1 Acquired: 8/20/2013 14:33:28 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2009	2.164	.5230	.0001	.0083	1.976	.5022	24.77	.5052	.5123
Stddev	.0002	.004	.0010	.0010	.0000	.004	.0007	.05	.0005	.0006
%RSD	.1125	.2045	.1962	928.6	.3633	.1926	.1453	.1825	.0964	.1089
#1	.2011	2.167	.5237	-.0006	.0083	1.978	.5027	24.81	.5049	.5119
#2	.2008	2.161	.5223	.0008	.0083	1.973	.5017	24.74	.5056	.5127

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5227	.4858	2.053	25.02	25.07	.4935	.0022	25.15	.4865	.9771
Stddev	.0009	.0015	.001	.05	.07	.0003	.0005	.04	.0001	.0012
%RSD	.1811	.3116	.0349	.1825	.2724	.0691	24.84	.1570	.0178	.1241
#1	.5234	.4869	2.053	25.05	25.12	.4938	.0026	25.18	.4866	.9762
#2	.5220	.4848	2.052	24.99	25.02	.4933	.0018	25.12	.4865	.9779

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0003	.0031	.5023	.4937	.0327	.0052	.4851	.5036	.5038	.5207
Stddev	.0003	.0002	.0006	.0004	.0002	.0002	.0011	.0011	.0008	.0016
%RSD	101.9	5.848	.1115	.0793	.6684	3.291	.2273	.2275	.1560	.3134
#1	-.0005	.0032	.5019	.4935	.0326	.0053	.4859	.5028	.5032	.5196
#2	-.0001	.0030	.5027	.4940	.0329	.0050	.4844	.5045	.5044	.5219

Elem	W_2397	Zn2062	Zr3391
Avg	.0196	.5159	.0260
Stddev	.0073	.0003	.0023
%RSD	37.14	.0597	8.760
#1	.0248	.5157	.0276
#2	.0145	.5162	.0244

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1673.9	42318.	16104.
Stddev	6.8	240.	22.
%RSD	.40865	.56629	.13466
#1	1678.8	42487.	16120.
#2	1669.1	42148.	16089.

Zoom In Zoom Out

Sample Name: MP21521-MB1 Acquired: 8/20/2013 14:37:39 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	.0069	-.0003	-.0006	.0062	.0006	.0000	.0729	.0002	.0000
Stddev	.0002	.0004	.0015	.0008	.0004	.0001	.0000	.0010	.0000	.000
%RSD	68.93	5.966	542.6	127.8	7.063	11.34	2.550	1.358	10.55	357.0
#1	.0005	.0072	.0008	-.0012	.0059	.0007	.0000	.0736	.0002	-.0001
#2	.0002	.0066	-.0014	-.0001	.0065	.0006	.0000	.0722	.0002	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	-.0009	.0156	.0980	.0034	.0004	.0004	.0764	.0003	.0005
Stddev	.0001	.0002	.0009	.0065	.0104	.0000	.0002	.0065	.0002	.0000
%RSD	27.47	26.84	5.738	6.622	309.4	11.82	45.02	8.514	75.10	4.521
#1	.0003	-.0010	.0163	.0934	-.0040	.0004	.0006	.0810	.0005	.0006
#2	.0002	-.0007	.0150	.1026	.0108	.0004	.0003	.0718	.0001	.0005

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0006	.0028	.0008	.0015	.0421	.0055	.0001	-.0001	-.0010	.0001
Stddev	.0006	.0015	.0007	.0003	.0005	.0002	.0001	.0002	.0004	.0005
%RSD	100.4	54.98	80.00	18.17	1.199	4.085	94.98	227.3	38.54	347.1
#1	.0002	.0039	.0013	.0017	.0417	.0057	.0002	-.0002	-.0013	-.0002
#2	.0011	.0017	.0004	.0013	.0425	.0054	.0000	.0000	-.0007	.0005

Elem	W_2397	Zn2062	Zr3391
Avg	.0049	.0040	.0019
Stddev	.0041	.0001	.0003
%RSD	83.58	2.047	14.30
#1	.0077	.0040	.0021
#2	.0020	.0039	.0017

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1694.5	42590.	16024.
Stddev	6.9	35.	104.
%RSD	.40530	.08137	.64711
#1	1689.7	42565.	16098.
#2	1699.4	42614.	15951.

Zoom In Zoom Out

Sample Name: MP21521-S1 Acquired: 8/20/2013 14:42:00 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1906	110.7	.6025	-.0050	.0100	2.322	.4712	35.07	.4840	.5725
Stddev	.0011	.1	.0003	.0020	.0002	.002	.0001	.06	.0003	.0004
%RSD	.5867	.0589	.0429	39.58	2.088	.0983	.0173	.1652	.0665	.0629
#1	.1914	110.7	.6023	-.0036	.0098	2.324	.4712	35.03	.4842	.5723
#2	.1898	110.8	.6026	-.0064	.0101	2.321	.4711	35.11	.4838	.5728

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.7144	.7538	139.9	51.02	65.97	2.647	.0034	31.04	.6443	1.038
Stddev	.0015	.0045	.3	.09	.11	.002	.0001	.04	.0006	.002
%RSD	.2065	.5986	.2270	.1765	.1614	.0717	1.961	.1205	.0962	.1468
#1	.7134	.7570	139.7	51.09	66.04	2.645	.0035	31.02	.6447	1.039
#2	.7155	.7506	140.1	50.96	65.89	2.648	.0034	31.07	.6438	1.037

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0006	.0050	.1963	.4646	2.449	-.0058	.5187	7.584	.4754	.7015
Stddev	.0006	.0016	.0009	.0007	.008	.0006	.0005	.010	.0000	.0016
%RSD	99.18	32.25	.4495	.1442	.3168	10.67	.0876	.1371	.0022	.2223
#1	.0011	.0061	.1969	.4642	2.454	-.0062	.5190	7.591	.4754	.7026
#2	.0002	.0039	.1957	.4651	2.443	-.0053	.5183	7.576	.4754	.7004

Elem	W_2397	Zn2062	Zr3391
Avg	.0092	.8155	.0234
Stddev	.0066	.0000	.0001
%RSD	71.71	.0040	.4687
#1	.0139	.8155	.0235
#2	.0045	.8154	.0233

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1765.2	44452.	17290.
Stddev	2.0	424.	81.
%RSD	.11128	.95442	.47007
#1	1763.8	44752.	17347.
#2	1766.6	44152.	17232.

Zoom In Zoom Out

Sample Name: MP21521-S2 Acquired: 8/20/2013 14:46:11 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1918	112.3	.5861	-.0058	.0104	2.335	.4764	32.52	.4922	.5584
Stddev	.0018	.1	.0006	.0016	.0003	.001	.0005	.03	.0002	.0000
%RSD	.9526	.0924	.0979	26.75	2.456	.0375	.1138	.0912	.0335	.0041
#1	.1905	112.4	.5865	-.0069	.0105	2.334	.4768	32.54	.4923	.5585
#2	.1931	112.2	.5857	-.0047	.0102	2.336	.4760	32.50	.4921	.5584

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.7178	.7470	140.3	51.09	67.37	2.567	.0032	31.18	.6262	1.036
Stddev	.0028	.0017	.2	.02	.04	.001	.0001	.01	.0004	.001
%RSD	.3883	.2249	.1331	.0341	.0533	.0487	3.967	.0387	.0627	.0586
#1	.7158	.7482	140.5	51.07	67.40	2.566	.0031	31.17	.6264	1.036
#2	.7198	.7458	140.2	51.10	67.35	2.568	.0033	31.19	.6259	1.037

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0004	.0025	.2090	.4772	2.619	-.0067	.5120	7.673	.4863	.7113
Stddev	.0020	.0074	.0002	.0002	.003	.0003	.0002	.001	.0003	.0002
%RSD	514.3	291.5	.0790	.0522	.1241	4.855	.0454	.0138	.0525	.0307
#1	.0018	.0078	.2089	.4773	2.617	-.0070	.5119	7.674	.4861	.7115
#2	-.0010	-.0027	.2091	.4770	2.621	-.0065	.5122	7.672	.4865	.7111

Elem	W_2397	Zn2062	Zr3391
Avg	.0019	.7695	.0177
Stddev	.0047	.0014	.0001
%RSD	249.0	.1794	.6439
#1	.0052	.7704	.0176
#2	-.0014	.7685	.0178

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1741.8	43790.	17060.
Stddev	1.9	118.	11.
%RSD	.10966	.26985	.06594
#1	1743.2	43874.	17068.
#2	1740.5	43706.	17052.

Zoom In Zoom Out

Sample Name: MC23518-1 Acquired: 8/20/2013 14:50:24 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0012	106.4	.0978	-.0054	.0072	.4761	.0039	10.21	.0016	.0727
Stddev	.0001	.3	.0022	.0006	.0004	.0008	.0001	.03	.0000	.0001
%RSD	7.537	.3081	2.279	11.60	5.645	.1607	2.732	.3340	2.736	.1180
#1	-.0011	106.6	.0994	-.0059	.0075	.4767	.0040	10.24	.0016	.0727
#2	-.0012	106.2	.0963	-.0050	.0069	.4756	.0039	10.19	.0016	.0726

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2883	.3164	147.8	30.17	48.59	2.340	.0037	7.438	.1848	.1162
Stddev	.0015	.0010	.5	.05	.33	.004	.0000	.031	.0000	.0006
%RSD	.5105	.3127	.3073	.1545	.6757	.1665	.7240	.4190	.0061	.4734
#1	.2873	.3157	148.1	30.21	48.82	2.337	.0037	7.460	.1848	.1158
#2	.2894	.3171	147.5	30.14	48.36	2.343	.0037	7.416	.1848	.1166

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0027	.0010	.0007	.0014	2.161	-.0061	.0488	7.374	.0059	.2439
Stddev	.0002	.0009	.0010	.0002	.002	.0003	.0003	.006	.0012	.0002
%RSD	5.636	87.98	143.9	16.32	.0747	4.988	.6871	.0883	21.12	.0712
#1	.0028	.0016	.0015	.0016	2.160	-.0063	.0491	7.370	.0068	.2440
#2	.0026	.0004	.0000	.0012	2.162	-.0059	.0486	7.379	.0050	.2438

Elem	W_2397	Zn2062	Zr3391
Avg	-.0077	.3193	.0161
Stddev	.0020	.0002	.0002
%RSD	25.52	.0775	1.473
#1	-.0063	.3191	.0160
#2	-.0091	.3194	.0163

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1765.1	44149.	17046.
Stddev	1.9	99.	88.
%RSD	.11012	.22405	.51895
#1	1766.4	44219.	16983.
#2	1763.7	44079.	17108.

Zoom In Zoom Out

Sample Name: MP21521-SD1 Acquired: 8/20/2013 14:54:39 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0012	113.1	.1064	-.0037	.0089	.5146	.0039	11.29	.0016	.0772
Stddev	.0008	.1	.0002	.0069	.0006	.0016	.0001	.06	.0002	.0006
%RSD	60.34	.0979	.1598	188.0	7.167	.3144	3.496	.4901	13.68	.8126
#1	.0007	113.0	.1065	-.0085	.0085	.5157	.0040	11.25	.0018	.0768
#2	.0018	113.2	.1063	.0012	.0094	.5134	.0038	11.33	.0015	.0777

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.3112	.3346	159.0	33.81	52.27	2.505	.0031	8.208	.1977	.1230
Stddev	.0031	.0061	.3	.19	.12	.002	.0003	.006	.0017	.0021
%RSD	.9884	1.820	.1942	.5653	.2232	.0898	9.377	.0769	.8821	1.745
#1	.3091	.3303	158.8	33.68	52.19	2.503	.0033	8.204	.1964	.1215
#2	.3134	.3389	159.2	33.95	52.35	2.507	.0029	8.213	.1989	.1245

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0113	-.0218	-.0001	-.0027	2.278	-.0041	.0526	7.892	.0039	.2575
Stddev	.0003	.0152	.0003	.0076	.005	.0001	.0004	.002	.0042	.0016
%RSD	2.288	69.83	626.3	277.9	.2176	2.552	.8319	.0255	106.1	.6299
#1	.0111	-.0326	.0002	.0026	2.275	-.0040	.0523	7.893	.0010	.2564
#2	.0115	-.0110	-.0003	-.0081	2.282	-.0042	.0529	7.890	.0069	.2587

Elem	W_2397	Zn2062	Zr3391
Avg	-.0367	.3474	.0176
Stddev	.0152	.0012	.0012
%RSD	41.25	.3432	6.577
#1	-.0260	.3466	.0184
#2	-.0475	.3483	.0168

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1704.9	42277.	16300.
Stddev	2.4	99.	8.
%RSD	.13990	.23372	.05131
#1	1703.2	42347.	16294.
#2	1706.5	42207.	16306.

Zoom In Zoom Out

Sample Name: MP21521-B2 Acquired: 8/20/2013 14:58:56 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2032	2.071	.5250	-.0013	.0064	1.953	.4921	24.36	.5136	.5176
Stddev	.0008	.006	.0020	.0004	.0005	.004	.0016	.07	.0006	.0012
%RSD	.3956	.2746	.3717	32.47	7.174	.2261	.3209	.2924	.1100	.2279
#1	.2027	2.067	.5264	-.0016	.0067	1.950	.4910	24.31	.5132	.5168
#2	.2038	2.075	.5236	-.0010	.0060	1.956	.4933	24.41	.5140	.5184

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5240	.4900	1.986	24.93	24.59	.4918	.0003	24.69	.4871	.9767
Stddev	.0041	.0016	.002	.00	.05	.0004	.0001	.05	.0003	.0031
%RSD	.7851	.3324	.1155	.0043	.2172	.0728	55.89	.1919	.0554	.3173
#1	.5211	.4889	1.984	24.93	24.56	.4916	.0004	24.66	.4869	.9789
#2	.5269	.4912	1.988	24.93	24.63	.4921	.0002	24.73	.4873	.9745

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0004	.0019	.5060	.4956	.0245	.0043	.4806	.5028	.5089	.5219
Stddev	.0030	.0051	.0006	.0030	.0012	.0003	.0005	.0041	.0015	.0014
%RSD	740.7	274.9	.1132	.6083	4.820	6.635	.0948	.8178	.2887	.2698
#1	-.0025	-.0018	.5056	.4935	.0253	.0041	.4803	.4999	.5078	.5209
#2	.0017	.0055	.5064	.4978	.0237	.0045	.4809	.5057	.5099	.5229

Elem	W_2397	Zn2062	Zr3391
Avg	-.0023	.5206	-.0001
Stddev	.0154	.0004	.0002
%RSD	675.2	.0859	127.8
#1	-.0131	.5202	.0000
#2	.0086	.5209	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1660.9	41728.	16048.
Stddev	1.3	28.	61.
%RSD	.07794	.06668	.37785
#1	1660.0	41747.	16091.
#2	1661.9	41708.	16005.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/20/2013 15:03:09 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2603	10.08	2.037	-.0021	2.006	1.986	1.960	10.13	2.056	2.134
Stddev	.0004	.01	.001	.0022	.005	.000	.002	.00	.006	.002
%RSD	.1590	.1416	.0316	105.1	.2289	.0043	.0914	.0267	.3037	.0797
#1	.2600	10.07	2.037	-.0005	2.009	1.987	1.961	10.13	2.061	2.135
#2	.2606	10.09	2.038	-.0036	2.003	1.986	1.959	10.13	2.052	2.132

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.052	2.048	10.04	10.22	9.863	2.004	2.038	10.05	2.001	2.004
Stddev	.001	.009	.03	.02	.079	.004	.000	.03	.001	.002
%RSD	.0469	.4462	.2898	.1664	.7960	.1869	.0079	.2922	.0673	.1153
#1	2.051	2.042	10.06	10.23	9.918	2.001	2.038	10.07	2.002	2.006
#2	2.053	2.055	10.02	10.21	9.807	2.006	2.038	10.03	2.000	2.002

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0003	.0148	2.032	2.029	1.156	2.019	2.006	2.031	2.055	2.046
Stddev	.0009	.0050	.007	.005	.004	.000	.001	.004	.002	.002
%RSD	280.4	33.68	.3562	.2656	.3349	.0169	.0619	.1830	.0926	.1004
#1	.0003	.0184	2.038	2.032	1.158	2.018	2.006	2.029	2.057	2.045
#2	-.0010	.0113	2.027	2.025	1.153	2.019	2.005	2.034	2.054	2.047

Elem	W_2397	Zn2062	Zr3391
Avg	.0112	2.040	.0007
Stddev	.0024	.003	.0006
%RSD	21.71	.1444	82.88
#1	.0095	2.042	.0011
#2	.0129	2.038	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1682.6	41830.	15964.
Stddev	5.4	112.	87.
%RSD	.32339	.26821	.54466
#1	1678.8	41750.	15902.
#2	1686.5	41909.	16025.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/20/2013 15:18:56 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0009	.0055	.0001	-.0004	.0011	.0003	.0000	.0043	.0002	.0002
Stddev	.0004	.0084	.0016	.0003	.0001	.0001	.0000	.0012	.0000	.0002
%RSD	47.55	154.4	1961.	90.40	6.921	16.11	25.70	28.14	4.828	95.61
#1	.0006	.0114	.0012	-.0006	.0012	.0004	.0000	.0051	.0002	.0001
#2	.0012	-.0005	-.0011	-.0001	.0010	.0003	.0000	.0034	.0002	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0004	-.0012	-.0008	.0655	-.0001	.0001	.0003	.0282	.0004	.0015
Stddev	.0003	.0000	.0030	.0411	.0164	.0000	.0001	.0093	.0001	.0007
%RSD	76.26	3.235	395.0	62.82	20790.	86.36	56.20	33.01	14.60	44.44
#1	-.0007	-.0012	.0014	.0945	.0115	.0000	.0004	.0216	.0005	.0010
#2	-.0002	-.0012	-.0029	.0364	-.0117	.0001	.0002	.0347	.0004	.0019

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0013	.0043	.0005	-.0007	-.0001	.0000	.0000	-.0001	.0002	-.0007
Stddev	.0005	.0036	.0003	.0012	.0002	.0004	.000	.0000	.0013	.0015
%RSD	37.01	83.18	55.61	165.9	112.8	2907.	812.9	28.27	559.0	222.1
#1	-.0016	.0069	.0007	.0001	-.0003	-.0002	.0001	-.0002	.0011	-.0017
#2	-.0010	.0018	.0003	-.0015	.0000	.0003	-.0001	-.0001	-.0007	.0004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0067	.0000	.0004
Stddev	.0155	.0000	.0002
%RSD	231.1	1121.	41.62
#1	.0043	.0000	.0003
#2	-.0177	.0000	.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1710.1	43083.	16318.
Stddev	.4	100.	21.
%RSD	.02105	.23232	.12901
#1	1710.4	43153.	16333.
#2	1709.9	43012.	16304.

Zoom In Zoom Out

Sample Name: MP21521-LC1 Acquired: 8/20/2013 15:24:49 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.3336	93.69	.9119	-.0037	.9947	1.587	.4947	57.33	.5895	.9920
Stddev	.0023	.04	.0031	.0009	.0021	.001	.0006	.09	.0016	.0036
%RSD	.6859	.0420	.3454	23.25	.2124	.0612	.1128	.1512	.2692	.3603
#1	.3352	93.72	.9097	-.0031	.9932	1.588	.4943	57.40	.5883	.9895
#2	.3320	93.66	.9141	-.0043	.9962	1.586	.4951	57.27	.5906	.9946

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6958	.7207	116.7	37.53	29.36	2.711	.3784	6.137	.5301	.8514
Stddev	.0046	.0002	.2	.07	.04	.003	.0019	.005	.0014	.0017
%RSD	.6545	.0324	.1382	.1892	.1402	.0934	.4994	.0755	.2646	.2024
#1	.6990	.7206	116.8	37.58	29.39	2.713	.3771	6.140	.5291	.8502
#2	.6926	.7209	116.6	37.48	29.34	2.709	.3798	6.134	.5311	.8526

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0017	.0053	.5398	1.538	3.646	.9594	.6531	2.357	1.179	.5591
Stddev	.0001	.0041	.0013	.005	.011	.0024	.0003	.003	.002	.0058
%RSD	4.168	77.25	.2444	.3073	.3012	.2477	.0508	.1293	.1957	1.032
#1	-.0017	.0024	.5388	1.534	3.638	.9577	.6533	2.360	1.177	.5632
#2	-.0018	.0081	.5407	1.541	3.653	.9611	.6529	2.355	1.180	.5550

Elem	W_2397	Zn2062	Zr3391
Avg	-.0038	1.322	.0632
Stddev	.0046	.004	.0008
%RSD	121.6	.3075	1.333
#1	-.0070	1.319	.0638
#2	-.0005	1.325	.0626

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1791.6	45073.	17736.
Stddev	3.4	170.	182.
%RSD	.19105	.37683	1.0271
#1	1794.0	44953.	17607.
#2	1789.2	45193.	17865.

Zoom In Zoom Out

Sample Name: MC23582-1 Acquired: 8/20/2013 15:29:00 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	69.93	.0800	-.0068	.0362	.7748	.0044	77.73	.0051	.0535
Stddev	.0006	.05	.0012	.0006	.0008	.0008	.0000	.10	.0002	.0000
%RSD	461.1	.0770	1.491	9.329	2.190	.1086	.6519	.1279	3.986	.0852
#1	-.0003	69.96	.0808	-.0072	.0357	.7754	.0045	77.66	.0053	.0535
#2	.0006	69.89	.0792	-.0063	.0368	.7742	.0044	77.80	.0050	.0534

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2030	.3995	148.7	9.719	30.13	2.804	.0130	1.515	.1394	1.032
Stddev	.0004	.0006	.1	.052	.16	.009	.0000	.002	.0001	.001
%RSD	.2009	.1409	.0738	.5394	.5361	.3314	.0080	.0957	.0449	.1322
#1	.2027	.3999	148.6	9.682	30.02	2.811	.0130	1.516	.1395	1.031
#2	.2033	.3991	148.8	9.756	30.24	2.798	.0130	1.514	.1394	1.033

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0026	.0050	.0039	.0052	2.397	.0243	.2319	4.137	.0001	.2803
Stddev	.0008	.0017	.0007	.0015	.001	.0001	.0002	.007	.0001	.0015
%RSD	29.78	34.28	17.04	29.17	.0265	.4998	.0649	.1734	88.24	.5360
#1	-.0021	.0062	.0034	.0062	2.397	.0243	.2318	4.143	.0001	.2792
#2	-.0032	.0038	.0043	.0041	2.398	.0244	.2320	4.132	.0002	.2814

Elem	W_2397	Zn2062	Zr3391
Avg	-.0075	1.185	.0328
Stddev	.0112	.002	.0002
%RSD	150.1	.1756	.5946
#1	-.0154	1.183	.0330
#2	.0005	1.186	.0327

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1761.9	43954.	17127.
Stddev	5.2	524.	108.
%RSD	.29558	1.1920	.63301
#1	1758.2	43583.	17204.
#2	1765.6	44324.	17051.

Zoom In Zoom Out

Sample Name: MC23582-2 Acquired: 8/20/2013 15:33:14 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	69.72	.3449	-.0076	.0343	.5648	.0044	66.25	.0092	.0609
Stddev	.0001	.07	.0002	.0003	.0003	.0008	.0001	.09	.0000	.0003
%RSD	115.4	.1000	.0464	3.397	.7991	.1365	1.147	.1413	.0065	.4578
#1	.0000	69.67	.3448	-.0078	.0341	.5643	.0043	66.18	.0092	.0611
#2	-.0002	69.76	.3450	-.0074	.0345	.5654	.0044	66.31	.0092	.0607

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2566	.4292	202.7	13.26	31.77	2.765	.0197	1.515	.1647	1.081
Stddev	.0030	.0018	.7	.03	.04	.006	.0001	.009	.0001	.000
%RSD	1.175	.4228	.3402	.2135	.1346	.2244	.7155	.5810	.0573	.0291
#1	.2545	.4279	202.2	13.28	31.74	2.761	.0198	1.509	.1646	1.081
#2	.2587	.4305	203.2	13.24	31.80	2.770	.0196	1.521	.1648	1.081

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0016	.0079	.0030	.0041	2.367	.0276	.2157	4.968	.0071	.3147
Stddev	.0007	.0007	.0007	.0001	.006	.0004	.0007	.002	.0009	.0031
%RSD	46.05	8.344	21.61	2.388	.2442	1.619	.3131	.0363	12.85	.9910
#1	-.0011	.0074	.0035	.0042	2.371	.0279	.2152	4.966	.0077	.3125
#2	-.0021	.0083	.0026	.0040	2.363	.0273	.2162	4.969	.0065	.3169

Elem	W_2397	Zn2062	Zr3391
Avg	-.0038	1.487	.0386
Stddev	.0002	.000	.0012
%RSD	5.045	.0056	3.079
#1	-.0039	1.487	.0378
#2	-.0037	1.487	.0395

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1792.2	45481.	17518.
Stddev	2.7	57.	15.
%RSD	.15100	.12432	.08823
#1	1794.1	45521.	17529.
#2	1790.3	45441.	17507.

Zoom In Zoom Out

Sample Name: MC23582-3 Acquired: 8/20/2013 15:37:35 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	66.30	.0816	-.0055	.0329	.4936	.0039	57.05	.0064	.0551
Stddev	.0003	.07	.0007	.0002	.0006	.0008	.0000	.14	.0001	.0001
%RSD	148.5	.1102	.8831	3.041	1.707	.1630	.5762	.2380	1.869	.1987
#1	.0000	66.35	.0821	-.0053	.0325	.4941	.0039	57.15	.0063	.0550
#2	.0004	66.25	.0811	-.0056	.0333	.4930	.0039	56.96	.0065	.0552

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2128	.3751	169.5	9.754	29.48	2.264	.0154	1.451	.1513	1.096
Stddev	.0010	.0011	.9	.048	.17	.003	.0001	.004	.0002	.003
%RSD	.4528	.3063	.5046	.4927	.5789	.1292	.9318	.2442	.1439	.2486
#1	.2121	.3743	170.1	9.788	29.60	2.262	.0153	1.453	.1512	1.094
#2	.2135	.3759	168.9	9.720	29.36	2.266	.0155	1.448	.1515	1.098

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0034	.0076	.0029	.0020	2.329	.0284	.1994	4.318	.0042	.3101
Stddev	.0016	.0014	.0007	.0000	.002	.0002	.0006	.007	.0013	.0016
%RSD	47.34	18.42	22.83	1.879	.1007	.5474	.3243	.1594	30.65	.5091
#1	-.0022	.0066	.0024	.0020	2.330	.0283	.1999	4.313	.0051	.3090
#2	-.0045	.0086	.0034	.0021	2.327	.0285	.1990	4.323	.0033	.3113

Elem	W_2397	Zn2062	Zr3391
Avg	-.0127	1.332	.0301
Stddev	.0119	.003	.0006
%RSD	94.20	.1990	2.007
#1	-.0211	1.330	.0297
#2	-.0042	1.334	.0305

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1772.1	44695.	17357.
Stddev	3.3	66.	101.
%RSD	.18392	.14700	.58163
#1	1774.4	44649.	17286.
#2	1769.8	44742.	17429.

Zoom In Zoom Out

Sample Name: MC23582-4 Acquired: 8/20/2013 15:41:53 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0008	74.41	.2213	-.0079	.0325	.5045	.0048	89.90	.0073	.0571
Stddev	.0001	.06	.0007	.0004	.0001	.0004	.0001	.01	.0001	.0000
%RSD	16.71	.0793	.3311	5.351	.4491	.0767	1.108	.0134	1.894	.0323
#1	-.0007	74.36	.2218	-.0076	.0324	.5048	.0048	89.90	.0072	.0571
#2	-.0009	74.45	.2208	-.0082	.0326	.5042	.0049	89.91	.0074	.0571

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1870	.6676	188.8	10.41	31.31	2.573	.0134	1.590	.1625	1.045
Stddev	.0005	.0029	.3	.03	.07	.003	.0002	.010	.0002	.004
%RSD	.2572	.4317	.1620	.2538	.2240	.1219	1.652	.6048	.1495	.3609
#1	.1866	.6697	189.0	10.42	31.36	2.575	.0132	1.583	.1627	1.048
#2	.1873	.6656	188.6	10.39	31.26	2.571	.0135	1.597	.1623	1.042

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0050	.0101	.0061	.0057	2.305	.0268	.2377	4.115	-.0017	.2728
Stddev	.0004	.0052	.0011	.0003	.009	.0007	.0001	.013	.0006	.0010
%RSD	8.313	51.51	17.60	4.977	.3793	2.577	.0496	.3049	36.58	.3503
#1	-.0047	.0138	.0054	.0059	2.312	.0273	.2378	4.124	-.0021	.2722
#2	-.0053	.0064	.0069	.0055	2.299	.0263	.2376	4.107	-.0013	.2735

Elem	W_2397	Zn2062	Zr3391
Avg	.0075	1.326	.0291
Stddev	.0034	.004	.0002
%RSD	45.59	.2825	.8045
#1	.0099	1.329	.0289
#2	.0051	1.324	.0293

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1759.5	44228.	17291.
Stddev	11.4	185.	17.
%RSD	.64983	.41833	.09605
#1	1751.4	44359.	17279.
#2	1767.5	44097.	17302.

Zoom In Zoom Out

Sample Name: MC23582-5 Acquired: 8/20/2013 15:46:13 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	69.79	.0974	-.0062	.0356	.5687	.0046	80.71	.0043	.0583
Stddev	.0006	.51	.0004	.0005	.0004	.0048	.0001	.73	.0002	.0004
%RSD	139.6	.7337	.4472	8.384	1.220	.8459	1.391	.8987	5.369	.7702
#1	.0000	70.15	.0977	-.0058	.0353	.5721	.0046	81.22	.0044	.0586
#2	.0008	69.42	.0971	-.0066	.0359	.5653	.0045	80.19	.0041	.0580

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1857	.3648	168.7	11.61	32.57	2.689	.0112	2.349	.1551	.7500
Stddev	.0004	.0007	1.6	.11	.26	.002	.0003	.008	.0005	.0024
%RSD	.1976	.2001	.9693	.9513	.8044	.0849	2.398	.3263	.3512	.3175
#1	.1855	.3653	167.6	11.69	32.75	2.688	.0114	2.354	.1554	.7516
#2	.1860	.3642	169.9	11.53	32.38	2.691	.0110	2.343	.1547	.7483

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0014	.0024	.0048	.0036	2.521	.0253	.2507	4.728	-.0009	.2850
Stddev	.0014	.0004	.0009	.0006	.011	.0006	.0019	.001	.0001	.0040
%RSD	100.4	17.93	18.49	17.26	.4397	2.287	.7543	.0303	10.67	1.405
#1	-.0024	.0027	.0041	.0032	2.529	.0249	.2521	4.727	-.0008	.2821
#2	-.0004	.0021	.0054	.0040	2.513	.0257	.2494	4.729	-.0009	.2878

Elem	W_2397	Zn2062	Zr3391
Avg	-.0011	1.014	.0424
Stddev	.0067	.005	.0001
%RSD	582.7	.5120	.1574
#1	-.0059	1.017	.0423
#2	.0036	1.010	.0424

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1770.4	45240.	17375.
Stddev	4.0	100.	118.
%RSD	.22746	.22179	.67623
#1	1767.6	45311.	17292.
#2	1773.2	45169.	17458.

Zoom In Zoom Out

Sample Name: MC23591-1 Acquired: 8/20/2013 15:50:34 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0016	135.3	.0721	-.0103	.0726	1.037	.0120	364.2	.0052	.0856
Stddev	.0004	.1	.0024	.0004	.0004	.000	.0001	1.7	.0001	.0003
%RSD	26.56	.0903	3.322	4.121	.5303	.0065	.5138	.4747	1.730	.3125
#1	-.0019	135.2	.0704	-.0106	.0723	1.037	.0121	362.9	.0051	.0854
#2	-.0013	135.4	.0738	-.0100	.0729	1.037	.0120	365.4	.0053	.0858

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1721	.1303	207.6	20.31	191.0	5.717	.0049	5.374	.1326	.2024
Stddev	.0002	.0001	1.7	.03	.0	.034	.0003	.007	.0004	.0023
%RSD	.1151	.1151	.8001	.1309	.0213	.5970	5.631	.1378	.2840	1.159
#1	.1720	.1304	208.8	20.29	191.0	5.741	.0047	5.369	.1323	.2007
#2	.1723	.1302	206.4	20.32	190.9	5.693	.0051	5.380	.1328	.2040

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0286	.0162	.0021	-.0012	4.470	.0124	.5488	2.552	.0014	.2856
Stddev	.0028	.0020	.0002	.0009	.011	.0004	.0003	.002	.0017	.0014
%RSD	9.887	12.15	9.796	73.01	.2524	3.589	.0537	.0839	126.0	.4950
#1	-.0266	.0176	.0019	-.0006	4.462	.0121	.5486	2.554	.0001	.2866
#2	-.0306	.0148	.0022	-.0018	4.478	.0127	.5490	2.551	.0026	.2846

Elem	W_2397	Zn2062	Zr3391
Avg	-.0093	1.700	.1104
Stddev	.0041	.003	.0002
%RSD	44.74	.1458	.1806
#1	-.0063	1.698	.1103
#2	-.0122	1.702	.1105

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1930.7	50275.	19726.
Stddev	1.7	428.	62.
%RSD	.08942	.85099	.31221
#1	1929.5	49972.	19682.
#2	1931.9	50577.	19769.

Zoom In Zoom Out

Sample Name: MC23593-1 Acquired: 8/20/2013 15:55:04 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0047	78.31	.0748	-.0090	.0394	.3994	.0036	483.2	.0017	.1152
Stddev	.0003	.10	.0006	.0016	.0002	.0005	.0000	5.3	.0001	.0001
%RSD	5.734	.1311	.8491	18.37	.5137	.1280	.4821	1.102	6.606	.1276
#1	.0049	78.39	.0752	-.0101	.0393	.3998	.0036	487.0	.0017	.1151
#2	.0045	78.24	.0743	-.0078	.0396	.3991	.0036	479.4	.0018	.1153

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2568	.3931	233.7	8.003	242.1	3.431	.0425	3.007	.2186	.1227
Stddev	.0008	.0012	1.5	.059	.4	.002	.0004	.036	.0002	.0023
%RSD	.3025	.3066	.6396	.7358	.1460	.0499	.9235	1.207	.0826	1.875
#1	.2563	.3922	234.7	8.045	242.3	3.432	.0422	3.032	.2185	.1243
#2	.2574	.3939	232.6	7.961	241.8	3.430	.0427	2.981	.2188	.1211

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0358	.0056	.0011	.0015	1.778	.0105	.4236	.7849	.0039	.1515
Stddev	.0032	.0030	.0014	.0005	.001	.0003	.0000	.0003	.0010	.0013
%RSD	8.836	53.77	124.3	31.35	.0606	2.860	.0116	.0360	25.00	.8588
#1	-.0336	.0034	.0001	.0012	1.779	.0103	.4236	.7851	.0046	.1506
#2	-.0381	.0077	.0021	.0019	1.778	.0107	.4235	.7847	.0032	.1524

Elem	W_2397	Zn2062	Zr3391
Avg	-.0005	.4750	.0680
Stddev	.0003	.0001	.0007
%RSD	55.58	.0301	1.075
#1	-.0008	.4749	.0675
#2	-.0003	.4751	.0685

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1692.6	43645.	17134.
Stddev	1.3	170.	1.
%RSD	.07473	.38852	.00631
#1	1693.4	43525.	17135.
#2	1691.7	43765.	17134.

Zoom In Zoom Out

Sample Name: MC23593-2 Acquired: 8/20/2013 15:59:29 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0014	127.1	.1136	-.0140	.0246	1.011	.0056	40.90	.0024	.1178
Stddev	.0001	.3	.0006	.0004	.0001	.004	.0000	.11	.0002	.0005
%RSD	8.212	.2113	.5720	3.060	.2266	.3646	.8740	.2728	6.750	.4026
#1	-.0015	127.3	.1131	-.0143	.0245	1.013	.0057	40.98	.0025	.1181
#2	-.0014	126.9	.1140	-.0137	.0246	1.008	.0056	40.82	.0023	.1175

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1759	.1322	246.9	9.531	37.50	8.378	.0061	.5405	.2229	.2514
Stddev	.0008	.0016	1.5	.033	.07	.057	.0000	.0069	.0003	.0001
%RSD	.4642	1.216	.5896	.3487	.1795	.6816	.6867	1.269	.1241	.0425
#1	.1765	.1334	245.8	9.508	37.55	8.418	.0061	.5357	.2231	.2515
#2	.1753	.1311	247.9	9.555	37.45	8.337	.0061	.5454	.2227	.2513

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0024	.0259	.0012	-.0019	2.847	.0055	.1272	.7265	.0022	.1931
Stddev	.0008	.0037	.0004	.0010	.003	.0007	.0007	.0006	.0003	.0007
%RSD	32.32	14.37	35.46	51.82	.1022	12.48	.5702	.0767	13.25	.3670
#1	-.0019	.0232	.0014	-.0027	2.849	.0050	.1277	.7269	.0020	.1926
#2	-.0030	.0285	.0009	-.0012	2.845	.0060	.1267	.7261	.0024	.1936

Elem	W_2397	Zn2062	Zr3391
Avg	-.0085	.5732	.0209
Stddev	.0095	.0015	.0001
%RSD	111.7	.2676	.4799
#1	-.0018	.5743	.0209
#2	-.0152	.5722	.0210

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1819.2	46188.	18045.
Stddev	3.5	6.	36.
%RSD	.19149	.01394	.20199
#1	1821.6	46193.	18070.
#2	1816.7	46183.	18019.

Zoom In Zoom Out

Sample Name: MC23594-1 Acquired: 8/20/2013 16:03:54 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	79.06	.1077	-.0110	.0639	.5546	.0053	103.1	.0037	.0900
Stddev	.0007	.77	.0001	.0004	.0004	.0054	.0000	.9	.0001	.0000
%RSD	103.4	.9725	.0688	3.439	.7031	.9658	.8372	.8256	3.607	.0205
#1	-.0012	78.52	.1077	-.0113	.0635	.5508	.0052	102.5	.0036	.0900
#2	-.0002	79.61	.1076	-.0108	.0642	.5584	.0053	103.7	.0038	.0900

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1556	1.000	231.6	10.00	45.29	4.138	.0318	.7677	.1811	.3853
Stddev	.0007	.001	1.6	.10	.47	.029	.0003	.0042	.0006	.0003
%RSD	.4488	.1165	.6733	1.037	1.030	.7068	1.082	.5484	.3240	.0838
#1	.1551	1.001	232.7	9.930	44.96	4.117	.0320	.7647	.1815	.3855
#2	.1561	.9992	230.5	10.08	45.62	4.158	.0315	.7707	.1807	.3851

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0068	.0079	.0065	.0026	2.077	.0270	2.904	1.135	-.0008	.1437
Stddev	.0007	.0086	.0007	.0005	.005	.0000	.039	.001	.0003	.0029
%RSD	9.527	108.6	10.30	17.67	.2375	.0615	1.345	.1180	34.28	2.040
#1	-.0064	.0018	.0070	.0023	2.080	.0270	2.932	1.134	-.0010	.1417
#2	-.0073	.0140	.0061	.0029	2.073	.0270	2.877	1.136	-.0006	.1458

Elem	W_2397	Zn2062	Zr3391
Avg	.0002	.6250	.0781
Stddev	.0066	.0007	.0009
%RSD	3808.	.1190	1.109
#1	.0048	.6255	.0775
#2	-.0045	.6245	.0787

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1744.4	44542.	17373.
Stddev	4.8	308.	90.
%RSD	.27524	.69216	.52041
#1	1741.0	44760.	17437.
#2	1747.8	44324.	17310.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/20/2013 16:08:25 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2562	10.05	2.033	-.0021	2.015	1.982	1.967	10.08	2.055	2.129
Stddev	.0010	.00	.002	.0017	.001	.001	.000	.00	.001	.001
%RSD	.3941	.0473	.1012	80.93	.0276	.0309	.0001	.0401	.0645	.0542
#1	.2554	10.05	2.035	-.0009	2.015	1.982	1.967	10.08	2.054	2.128
#2	.2569	10.05	2.032	-.0033	2.015	1.981	1.967	10.08	2.056	2.130

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.039	2.027	10.06	10.08	9.871	2.005	2.033	10.05	2.001	1.999
Stddev	.002	.005	.03	.03	.033	.002	.003	.01	.000	.001
%RSD	.1183	.2362	.2976	.2866	.3385	.1187	.1464	.0733	.0189	.0612
#1	2.041	2.031	10.03	10.06	9.847	2.003	2.031	10.05	2.000	2.000
#2	2.037	2.024	10.08	10.10	9.894	2.006	2.035	10.04	2.001	1.998

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0002	.0051	2.037	2.031	1.165	2.019	2.002	2.023	2.046	2.035
Stddev	.0008	.0022	.003	.004	.001	.002	.000	.003	.000	.002
%RSD	501.8	43.61	.1653	.1979	.0407	.1195	.0009	.1431	.0196	.0773
#1	.0007	.0067	2.035	2.028	1.165	2.020	2.002	2.021	2.045	2.033
#2	-.0004	.0035	2.040	2.033	1.166	2.017	2.002	2.025	2.046	2.036

Elem	W_2397	Zn2062	Zr3391
Avg	.0132	2.030	-.0030
Stddev	.0051	.002	.0002
%RSD	38.76	.0847	8.074
#1	.0168	2.031	-.0028
#2	.0096	2.028	-.0032

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1672.8	41877.	16198.
Stddev	2.6	67.	13.
%RSD	.15751	.15924	.08102
#1	1674.7	41924.	16208.
#2	1671.0	41830.	16189.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/20/2013 16:12:35 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0007	-.0087	.0006	-.0007	.0021	.0003	.0001	.0049	.0002	-.0001
Stddev	.0006	.0063	.0015	.0006	.0004	.0001	.0001	.0020	.0002	.0001
%RSD	78.53	72.46	223.7	90.57	16.87	42.41	175.0	41.62	88.85	61.31
#1	.0011	-.0042	-.0004	-.0011	.0023	.0002	.0000	.0034	.0001	-.0002
#2	.0003	-.0131	.0017	-.0002	.0018	.0005	.0001	.0063	.0003	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	-.0014	.0036	.0999	-.0029	.0001	.0021	.0224	.0002	.0004
Stddev	.0012	.0001	.0011	.0009	.0074	.0000	.0007	.0011	.0003	.0003
%RSD	505.7	5.006	29.24	.9377	253.1	36.95	31.73	4.709	143.4	65.44
#1	.0010	-.0015	.0029	.1005	-.0081	.0001	.0026	.0231	.0004	.0006
#2	-.0006	-.0014	.0043	.0992	.0023	.0001	.0017	.0216	.0000	.0002

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0008	.0006	-.0004	-.0002	.0024	.0006	.0002	.0003	.0002	-.0002
Stddev	.0017	.0058	.0013	.0009	.0000	.0009	.0000	.0004	.0003	.0007
%RSD	228.7	920.6	304.8	351.8	.9404	136.3	4.567	108.3	213.4	311.9
#1	.0020	-.0035	.0005	.0004	.0023	.0012	.0002	.0006	-.0001	-.0008
#2	-.0005	.0047	-.0013	-.0009	.0024	.0000	.0002	.0001	.0004	.0003

Elem	W_2397	Zn2062	Zr3391
Avg	-.0063	.0000	.0003
Stddev	.0078	.0000	.0002
%RSD	124.9	115.0	45.63
#1	-.0118	.0000	.0002
#2	-.0007	.0000	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1678.3	42094.	15982.
Stddev	5.4	228.	1.
%RSD	.32155	.54178	.00878
#1	1674.5	41933.	15981.
#2	1682.2	42255.	15983.

Zoom In Zoom Out

Sample Name: MC23602-1 Acquired: 8/20/2013 16:25:48 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0015	135.4	.1314	-.0048	.0164	.2219	.0054	6.758	.0019	.0530
Stddev	.0000	.2	.0006	.0020	.0000	.0010	.0001	.011	.0000	.0002
%RSD	.1985	.1715	.4941	42.76	.0377	.4441	1.286	.1655	2.088	.3130
#1	-.0015	135.5	.1319	-.0062	.0164	.2226	.0055	6.766	.0019	.0528
#2	-.0015	135.2	.1309	-.0033	.0164	.2212	.0054	6.750	.0019	.0531

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2244	.0639	127.3	8.336	32.91	1.265	.0034	1.921	.1294	.0608
Stddev	.0014	.0002	.2	.029	.07	.007	.0000	.010	.0002	.0018
%RSD	.6108	.3203	.1923	.3442	.2026	.5900	.8911	.5049	.1929	2.899
#1	.2253	.0641	127.5	8.356	32.96	1.270	.0034	1.928	.1292	.0596
#2	.2234	.0638	127.1	8.316	32.86	1.259	.0033	1.914	.1296	.0621

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0005	.0077	.0017	.0019	2.823	-.0047	.0576	7.754	-.0001	.2093
Stddev	.0016	.0060	.0002	.0014	.001	.0002	.0000	.044	.0001	.0007
%RSD	321.7	77.56	13.46	73.98	.0332	3.818	.0072	.5737	50.93	.3229
#1	.0016	.0035	.0015	.0028	2.823	-.0048	.0576	7.785	-.0001	.2097
#2	-.0006	.0119	.0019	.0009	2.822	-.0045	.0576	7.722	-.0001	.2088

Elem	W_2397	Zn2062	Zr3391
Avg	-.0103	.2355	.0265
Stddev	.0040	.0007	.0003
%RSD	39.10	.2996	1.028
#1	-.0131	.2360	.0263
#2	-.0074	.2350	.0267

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1787.5	44280.	17455.
Stddev	3.7	545.	33.
%RSD	.20843	1.2308	.18818
#1	1784.9	43894.	17479.
#2	1790.1	44665.	17432.

Zoom In Zoom Out

Sample Name: MC23602-2 Acquired: 8/20/2013 16:30:03 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0012	104.2	.1212	-.0051	.0559	.3195	.0033	36.96	.0024	.0878
Stddev	.0007	.1	.0020	.0008	.0003	.0003	.0001	.01	.0001	.0000
%RSD	57.08	.1138	1.666	16.42	.5666	.0914	2.169	.0400	5.194	.0190
#1	-.0017	104.2	.1198	-.0057	.0562	.3197	.0033	36.95	.0025	.0878
#2	-.0007	104.3	.1227	-.0045	.0557	.3193	.0034	36.97	.0023	.0878

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1983	.2745	159.4	12.90	51.92	1.623	.0031	5.175	.1611	.2327
Stddev	.0022	.0026	.3	.05	.63	.001	.0001	.012	.0004	.0016
%RSD	1.089	.9344	.1907	.4042	1.216	.0794	4.009	.2260	.2340	.6867
#1	.1968	.2727	159.2	12.93	52.36	1.624	.0032	5.183	.1608	.2316
#2	.1998	.2764	159.6	12.86	51.47	1.622	.0030	5.167	.1613	.2338

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0018	.0022	.0017	.0028	2.490	-.0044	.1801	8.728	-.0003	.4158
Stddev	.0008	.0062	.0003	.0001	.002	.0002	.0000	.003	.0003	.0030
%RSD	46.32	279.7	16.76	3.282	.0889	5.019	.0051	.0327	108.4	.7206
#1	.0024	-.0022	.0019	.0027	2.492	-.0045	.1801	8.730	-.0001	.4137
#2	.0012	.0066	.0015	.0028	2.488	-.0042	.1801	8.726	-.0006	.4180

Elem	W_2397	Zn2062	Zr3391
Avg	-.0081	.5792	.0560
Stddev	.0068	.0008	.0002
%RSD	83.25	.1334	.3001
#1	-.0129	.5787	.0561
#2	-.0033	.5798	.0558

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1775.6	44692.	17413.
Stddev	5.1	3.	106.
%RSD	.28672	.00634	.60615
#1	1779.2	44694.	17339.
#2	1772.0	44690.	17488.

Zoom In Zoom Out

Sample Name: MC23602-3 Acquired: 8/20/2013 16:34:16 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0008	88.20	.1836	-.0036	.0081	.2727	.0040	10.15	.0026	.0517
Stddev	.0001	.03	.0011	.0003	.0006	.0003	.0000	.00	.0000	.0004
%RSD	12.01	.0303	.6132	8.469	6.848	.0934	.5361	.0238	.1179	.8429
#1	-.0008	88.18	.1844	-.0034	.0077	.2725	.0040	10.15	.0026	.0514
#2	-.0009	88.22	.1828	-.0038	.0085	.2729	.0040	10.15	.0026	.0521

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2054	.0824	104.4	12.55	30.94	1.960	.0025	2.042	.1579	.0516
Stddev	.0029	.0010	.0	.02	.27	.006	.0003	.014	.0006	.0007
%RSD	1.405	1.187	.0393	.1921	.8591	.2902	12.76	.6666	.4022	1.398
#1	.2034	.0817	104.4	12.53	31.13	1.956	.0027	2.052	.1575	.0521
#2	.2074	.0831	104.3	12.56	30.76	1.964	.0023	2.033	.1584	.0511

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0026	.0062	-.0002	.0010	2.091	-.0018	.0426	4.653	.0017	.1584
Stddev	.0002	.0034	.0004	.0001	.001	.0003	.0003	.013	.0012	.0001
%RSD	6.320	55.47	234.3	9.339	.0302	18.50	.7901	.2748	67.20	.0621
#1	.0024	.0038	.0001	.0011	2.091	-.0020	.0428	4.644	.0026	.1583
#2	.0027	.0086	-.0005	.0010	2.092	-.0016	.0423	4.662	.0009	.1584

Elem	W_2397	Zn2062	Zr3391
Avg	-.0106	.2163	.0200
Stddev	.0026	.0011	.0007
%RSD	24.41	.5306	3.662
#1	-.0088	.2155	.0194
#2	-.0125	.2172	.0205

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1791.5	45250.	17493.
Stddev	4.4	295.	147.
%RSD	.24302	.65095	.83917
#1	1794.6	45458.	17389.
#2	1788.5	45041.	17597.

Zoom In Zoom Out

Sample Name: MC23602-4 Acquired: 8/20/2013 16:38:32 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	92.95	.2019	-.0029	.0204	.3100	.0033	19.10	.0028	.0340
Stddev	.0002	.10	.0006	.0002	.0006	.0004	.0000	.03	.0001	.0001
%RSD	194.3	.1108	.3044	8.510	3.163	.1146	.4118	.1621	4.893	.2675
#1	.0000	93.02	.2024	-.0031	.0200	.3097	.0033	19.12	.0029	.0339
#2	-.0003	92.88	.2015	-.0027	.0209	.3102	.0033	19.08	.0027	.0341

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2572	.0633	96.08	11.10	31.05	1.305	.0059	5.290	.1295	.1029
Stddev	.0002	.0010	.09	.10	.28	.001	.0001	.004	.0005	.0008
%RSD	.0880	1.548	.0917	.9452	.9120	.0406	2.296	.0801	.3993	.7574
#1	.2571	.0640	96.14	11.02	30.85	1.305	.0060	5.293	.1291	.1024
#2	.2574	.0626	96.01	11.17	31.25	1.305	.0058	5.287	.1298	.1035

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0023	.0027	.0006	.0043	2.454	.0121	.1047	5.460	.0003	.1801
Stddev	.0018	.0014	.0016	.0014	.002	.0003	.0001	.001	.0008	.0007
%RSD	78.63	52.05	283.0	33.30	.0911	2.697	.1009	.0192	273.9	.3853
#1	.0035	.0037	-.0006	.0033	2.453	.0119	.1047	5.461	-.0003	.1806
#2	.0010	.0017	.0017	.0053	2.456	.0124	.1046	5.459	.0008	.1796

Elem	W_2397	Zn2062	Zr3391
Avg	-.0074	.2597	.0100
Stddev	.0022	.0004	.0001
%RSD	30.55	.1392	1.092
#1	-.0089	.2600	.0101
#2	-.0058	.2595	.0099

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1741.2	43476.	17152.
Stddev	.7	103.	88.
%RSD	.03837	.23657	.51500
#1	1741.7	43403.	17090.
#2	1740.7	43549.	17214.

Zoom In Zoom Out

Sample Name: MC23630-1 Acquired: 8/20/2013 16:42:47 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	68.69	.1286	-.0139	.1998	1.013	.0040	92.05	.0041	.1120
Stddev	.0010	.23	.0016	.0003	.0007	.002	.0001	.28	.0002	.0004
%RSD	377.0	.3349	1.229	1.991	.3452	.2190	1.297	.3066	4.276	.3940
#1	.0010	68.52	.1275	-.0137	.1993	1.011	.0040	91.85	.0040	.1123
#2	-.0004	68.85	.1297	-.0141	.2003	1.014	.0041	92.25	.0042	.1117

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.220	.5512	291.6	10.46	22.98	11.14	.1192	12.92	.7842	.8108
Stddev	.000	.0030	6.6	.09	.12	.12	.0006	.02	.0008	.0002
%RSD	.0072	.5513	2.279	.8649	.5090	1.036	.5020	.1322	.0988	.0192
#1	1.220	.5491	286.9	10.40	23.06	11.06	.1188	12.91	.7837	.8107
#2	1.220	.5534	296.3	10.53	22.89	11.22	.1196	12.93	.7848	.8109

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0065	.0382	.0086	.0055	2.997	.0749	.3660	1.039	.0041	.2066
Stddev	.0018	.0023	.0000	.0020	.003	.0002	.0017	.003	.0012	.0013
%RSD	28.03	5.911	.4583	36.14	.1128	.3159	.4552	.2531	29.80	.6283
#1	-.0078	.0398	.0086	.0041	2.999	.0747	.3648	1.037	.0050	.2056
#2	-.0052	.0366	.0085	.0069	2.994	.0750	.3672	1.041	.0032	.2075

Elem	W_2397	Zn2062	Zr3391
Avg	.0806	1.197	.0731
Stddev	.0120	.000	.0001
%RSD	14.88	.0162	.1505
#1	.0722	1.197	.0730
#2	.0891	1.196	.0732

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1761.4	44805.	17444.
Stddev	1.3	120.	21.
%RSD	.07220	.26712	.12126
#1	1760.5	44890.	17429.
#2	1762.3	44720.	17459.

Zoom In Zoom Out

Sample Name: MP21521-PS1 Acquired: 8/20/2013 16:48:46 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0010	104.7	.0983	-.0049	.0072	.4680	.0039	10.05	.0015	.0720
Stddev	.0001	.5	.0007	.0003	.0002	.0017	.0000	.05	.0002	.0004
%RSD	10.78	.4924	.7087	6.160	3.438	.3702	1.134	.4532	15.92	.5385
#1	-.0009	105.1	.0988	-.0046	.0073	.4693	.0038	10.09	.0017	.0718
#2	-.0010	104.4	.0978	-.0051	.0070	.4668	.0039	10.02	.0014	.0723

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2804	.3099	145.4	29.55	47.84	2.301	.0039	7.289	.1825	.1159
Stddev	.0035	.0053	.7	.18	.29	.003	.0002	.017	.0003	.0003
%RSD	1.263	1.710	.4957	.6203	.6167	.1286	5.873	.2351	.1675	.2916
#1	.2830	.3136	145.9	29.68	48.05	2.303	.0040	7.301	.1823	.1161
#2	.2779	.3062	144.9	29.42	47.63	2.299	.0037	7.277	.1827	.1156

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0031	.0058	.0205	.0000	2.131	-.0059	.0486	7.238	.0059	.2400
Stddev	.0029	.0002	.0004	.0008	.001	.0001	.0006	.012	.0003	.0054
%RSD	94.12	3.199	1.773	2311.	.0222	2.135	1.137	.1612	5.153	2.240
#1	.0052	.0057	.0208	-.0005	2.130	-.0060	.0490	7.246	.0061	.2438
#2	.0010	.0059	.0203	.0006	2.131	-.0058	.0482	7.230	.0057	.2362

Elem	W_2397	Zn2062	Zr3391
Avg	-.0139	.3173	.0148
Stddev	.0045	.0002	.0000
%RSD	32.17	.0699	.1843
#1	-.0171	.3172	.0148
#2	-.0108	.3175	.0148

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1770.0	44799.	17243.
Stddev	2.4	90.	5.
%RSD	.13673	.20152	.02965
#1	1771.7	44735.	17239.
#2	1768.3	44863.	17246.

Zoom In Zoom Out

Sample Name: RINSECONF Acquired: 8/20/2013 16:53:01 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	-.0036	.0010	-.0007	.0004	.0001	.0000	.0013	.0001	.0000
Stddev	.0002	.0013	.0005	.0009	.0002	.0000	.0001	.0007	.0000	.0000
%RSD	55.63	35.58	48.20	125.9	46.60	24.47	320.3	50.09	21.45	36.41
#1	.0002	-.0046	.0013	-.0014	.0005	.0001	.0000	.0009	.0001	.0000
#2	.0005	-.0027	.0006	-.0001	.0003	.0001	.0001	.0018	.0002	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	-.0010	.0118	.1462	.0064	.0001	-.0003	.0305	.0003	.0004
Stddev	.0002	.0003	.0005	.0207	.0024	.0000	.0001	.0004	.0001	.0005
%RSD	66.26	28.03	4.590	14.17	36.72	63.81	31.21	1.150	19.57	128.7
#1	-.0005	-.0008	.0122	.1609	.0047	.0001	-.0003	.0302	.0002	.0007
#2	-.0002	-.0012	.0114	.1316	.0081	.0000	-.0004	.0307	.0003	.0000

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0006	.0098	-.0001	.0001	.0024	-.0004	.0000	.0014	-.0007	-.0006
Stddev	.0033	.0019	.0007	.0002	.0001	.0002	.000	.0003	.0002	.0005
%RSD	558.2	19.79	910.0	229.5	4.703	50.93	1088.	20.36	34.27	78.08
#1	.0029	.0085	.0004	.0002	.0025	-.0002	.0001	.0016	-.0005	-.0010
#2	-.0017	.0112	-.0006	.0000	.0023	-.0005	-.0001	.0012	-.0009	-.0003

Elem	W_2397	Zn2062	Zr3391
Avg	-.0122	.0001	.0007
Stddev	.0026	.0001	.0002
%RSD	21.34	148.6	30.54
#1	-.0140	.0000	.0005
#2	-.0104	.0001	.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1709.8	42783.	16107.
Stddev	14.0	109.	164.
%RSD	.82027	.25516	1.0170
#1	1699.9	42860.	16223.
#2	1719.7	42706.	15991.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 8/20/2013 16:57:23 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0060	.2209	.0117	-.0003	.0987	.0518	.0042	5.183	.0045	.0545
Stddev	.0001	.0087	.0008	.0013	.0001	.0003	.0000	.063	.0000	.0001
%RSD	2.037	3.957	6.478	381.3	.0621	.5878	.0052	1.216	1.087	.1477
#1	.0059	.2147	.0122	.0006	.0987	.0516	.0042	5.139	.0044	.0545
#2	.0060	.2271	.0111	-.0013	.0987	.0521	.0042	5.228	.0045	.0544

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0099	.0247	.1064	5.232	4.985	.0159	.1043	5.098	.0415	.0109
Stddev	.0002	.0000	.0016	.055	.075	.0001	.0002	.005	.0000	.0000
%RSD	1.588	.1978	1.503	1.048	1.503	.5015	.1776	.1037	.0726	.3337
#1	.0098	.0246	.1052	5.193	4.932	.0159	.1042	5.095	.0416	.0109
#2	.0100	.0247	.1075	5.270	5.038	.0160	.1044	5.102	.0415	.0109

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0004	.0024	.0113	.0102	-.0490	.1018	.0105	.0530	.0100	.0101
Stddev	.0004	.0076	.0005	.0002	.0004	.0000	.0001	.0003	.0006	.0001
%RSD	99.14	316.1	4.791	1.757	.8887	.0084	1.279	.5697	6.141	1.349
#1	.0001	.0078	.0109	.0101	-.0487	.1018	.0104	.0532	.0096	.0100
#2	.0007	-.0030	.0117	.0103	-.0493	.1018	.0106	.0528	.0105	.0102

Elem	W_2397	Zn2062	Zr3391
Avg	-.0043	.0219	.0012
Stddev	.0138	.0004	.0001
%RSD	319.9	1.619	11.81
#1	-.0141	.0216	.0011
#2	.0054	.0221	.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1710.1	43279.	16433.
Stddev	4.3	116.	60.
%RSD	.25096	.26897	.36812
#1	1713.1	43362.	16391.
#2	1707.0	43197.	16476.

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/20/2013 17:01:42 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0058	.2125	.0034	-.0003	.0975	.0512	.0042	5.169	.0043
Stddev	.0002	.0044	.0006	.0007	.0008	.0005	.0001	.039	.0001
%RSD	3.439	2.081	19.11	235.5	.8431	1.003	2.948	.7442	2.193
#1	.0057	.2094	.0038	-.0008	.0969	.0516	.0043	5.196	.0042
#2	.0060	.2156	.0029	.0002	.0981	.0509	.0041	5.142	.0044

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0540	.0098	.0230	.1080	5.280	5.077	.0156	.1036	5.093
Stddev	.0002	.0004	.0001	.0034	.022	.019	.0001	.0001	.001
%RSD	.3346	3.794	.5766	3.119	.4156	.3735	.4192	.0988	.0121
#1	.0542	.0100	.0231	.1104	5.264	5.090	.0156	.1036	5.094
#2	.0539	.0095	.0229	.1056	5.295	5.063	.0156	.1035	5.093

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0414	.0060	-.0010	.0042	.0060	.0106	-.0517	.1009	.0106
Stddev	.0002	.0004	.0009	.0046	.0003	.0006	.0004	.0002	.0000
%RSD	.4313	6.884	87.74	108.6	5.481	6.103	.7903	.1963	.2049
#1	.0413	.0057	-.0017	.0074	.0058	.0110	-.0514	.1011	.0106
#2	.0415	.0063	-.0004	.0010	.0062	.0101	-.0520	.1008	.0106

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0514	F.0033	.0101	-.0122	.0211	.0004
Stddev	.0008	.0001	.0003	.0097	.0001	.0002
%RSD	1.518	3.845	2.585	79.21	.5224	36.81
#1	.0508	.0034	.0099	-.0190	.0212	.0003
#2	.0519	.0032	.0103	-.0054	.0211	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1693.8	42572.	16203.
Stddev	.5	11.	18.
%RSD	.03072	.02533	.11415
#1	1694.1	42580.	16190.
#2	1693.4	42565.	16216.

Zoom In Zoom Out

Sample Name: MP21518-B1 Acquired: 8/20/2013 17:06:00 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2130	2.183	.5529	-.0013	-.0002	2.057	.5189	25.64	.5370	.5426
Stddev	.0011	.003	.0009	.0001	.0000	.002	.0004	.02	.0001	.0003
%RSD	.5124	.1183	.1693	6.442	12.72	.1028	.0829	.0816	.0176	.0501
#1	.2123	2.185	.5536	-.0012	-.0002	2.059	.5186	25.63	.5370	.5424
#2	.2138	2.181	.5523	-.0013	-.0003	2.056	.5192	25.66	.5371	.5428

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5504	.5156	2.070	26.08	25.89	.5158	.0003	26.05	.5116	1.026
Stddev	.0011	.0018	.009	.03	.06	.0011	.0001	.01	.0001	.001
%RSD	.1965	.3547	.4288	.1208	.2365	.2168	38.38	.0352	.0238	.0474
#1	.5512	.5143	2.064	26.06	25.85	.5150	.0002	26.05	.5117	1.027
#2	.5496	.5169	2.077	26.10	25.93	.5166	.0004	26.04	.5115	1.026

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0021	.0034	.5336	.5256	-.0317	-.0011	.5073	.5311	.5355	.5548
Stddev	.0009	.0024	.0011	.0002	.0003	.0005	.0005	.0000	.0030	.0004
%RSD	44.37	70.07	.2098	.0372	.8193	47.30	.1024	.0040	.5583	.0781
#1	-.0028	.0051	.5328	.5254	-.0318	-.0007	.5077	.5311	.5334	.5545
#2	-.0014	.0017	.5344	.5257	-.0315	-.0015	.5070	.5311	.5376	.5551

Elem	W_2397	Zn2062	Zr3391
Avg	-.0050	.5419	-.0011
Stddev	.0016	.0007	.0001
%RSD	31.85	.1315	9.672
#1	-.0061	.5425	-.0010
#2	-.0039	.5414	-.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1679.9	42276.	16186.
Stddev	2.2	3.	56.
%RSD	.13355	.00723	.34335
#1	1678.4	42274.	16225.
#2	1681.5	42278.	16146.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/20/2013 17:10:13 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2553	10.06	2.031	-.0027	2.006	1.976	1.961	10.08	2.048	2.128
Stddev	.0019	.06	.001	.0020	.004	.006	.008	.06	.005	.003
%RSD	.7550	.6133	.0319	71.08	.1898	.2992	.4260	.5990	.2325	.1436
#1	.2539	10.10	2.031	-.0014	2.008	1.980	1.967	10.13	2.051	2.130
#2	.2567	10.01	2.032	-.0041	2.003	1.972	1.955	10.04	2.045	2.126

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.023	2.014	10.04	10.07	9.848	1.989	2.032	10.04	1.995	2.000
Stddev	.000	.006	.05	.01	.080	.001	.002	.06	.006	.006
%RSD	.0175	.3098	.5028	.1200	.8156	.0379	.0773	.5993	.2894	.3275
#1	2.023	2.010	10.08	10.08	9.905	1.990	2.031	10.08	1.999	2.004
#2	2.023	2.019	10.01	10.06	9.791	1.989	2.033	9.997	1.991	1.995

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0012	.0032	2.028	2.023	1.160	2.015	2.002	2.008	2.045	2.022
Stddev	.0013	.0049	.005	.002	.002	.001	.006	.006	.002	.004
%RSD	106.5	150.9	.2443	.1178	.2089	.0410	.2938	.3164	.1150	.1765
#1	.0021	.0067	2.032	2.025	1.162	2.016	2.006	2.003	2.047	2.020
#2	.0003	-.0002	2.025	2.022	1.158	2.015	1.998	2.012	2.044	2.025

Elem	W_2397	Zn2062	Zr3391
Avg	.0051	2.030	-.0038
Stddev	.0038	.004	.0005
%RSD	75.10	.2094	12.82
#1	.0024	2.033	-.0035
#2	.0078	2.027	-.0042

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1687.2	42467.	16159.
Stddev	2.4	375.	266.
%RSD	.14383	.88376	1.6445
#1	1685.5	42201.	15972.
#2	1689.0	42732.	16347.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/20/2013 17:14:24 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	.0001	-.0005	-.0016	.0021	.0005	.0001	.0009	.0001	-.0001
Stddev	.0006	.0039	.0007	.0017	.0004	.0001	.0000	.0027	.0000	.0003
%RSD	116.3	2713.	158.3	104.7	19.76	22.95	54.65	291.4	7.942	311.5
#1	.0001	.0029	.0001	-.0028	.0023	.0004	.0001	.0029	.0001	-.0003
#2	.0009	-.0026	-.0010	-.0004	.0018	.0005	.0000	-.0010	.0001	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0007	-.0016	.0004	.1516	-.0098	-.0001	.0021	.0371	.0004	.0006
Stddev	.0007	.0001	.0004	.0093	.0018	.0000	.0006	.0041	.0002	.0003
%RSD	96.07	6.328	113.1	6.151	18.78	26.49	28.57	11.07	38.82	41.67
#1	-.0012	-.0016	.0001	.1581	-.0111	.0000	.0026	.0342	.0005	.0004
#2	-.0002	-.0015	.0006	.1450	-.0085	-.0001	.0017	.0400	.0003	.0008

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0007	.0023	.0002	-.0002	.0018	.0004	.0001	.0001	.0001	-.0005
Stddev	.0005	.0036	.0004	.0009	.0001	.0001	.0001	.0001	.0017	.0002
%RSD	74.82	151.3	206.1	564.6	5.797	13.86	58.76	202.3	1776.	40.90
#1	.0003	-.0002	-.0001	-.0008	.0019	.0004	.0002	.0002	.0013	-.0006
#2	.0010	.0049	.0005	.0005	.0017	.0004	.0001	.0000	-.0011	-.0004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0064	.0001	.0005
Stddev	.0026	.0001	.0001
%RSD	41.17	135.2	11.00
#1	-.0083	.0002	.0004
#2	-.0046	.0000	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1706.8	43176.	16246.
Stddev	1.8	132.	122.
%RSD	.10326	.30461	.74939
#1	1705.5	43269.	16332.
#2	1708.0	43083.	16160.

Zoom In Zoom Out

Sample Name: MP21518-MB1 Acquired: 8/20/2013 17:18:46 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0020	.0033	.0010	-.0011	-.0011	.0002	.0000	.0008	.0003	-.0003
Stddev	.0002	.0025	.0009	.0002	.0004	.0000	.000	.0008	.0000	.0001
%RSD	8.054	77.02	89.84	15.91	36.27	8.475	140.4	92.00	11.65	25.41
#1	.0021	.0050	.0016	-.0012	-.0008	.0002	.0000	.0003	.0004	-.0003
#2	.0018	.0015	.0004	-.0009	-.0014	.0002	-.0001	.0014	.0003	-.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0001	-.0013	-.0006	.0882	-.0059	.0000	.0005	.0343	-.0001	.0009
Stddev	.0002	.0013	.0006	.0142	.0148	.0000	.0001	.0134	.0001	.0008
%RSD	169.5	103.6	93.08	16.11	251.7	417.1	30.30	39.16	94.60	95.34
#1	.0000	-.0003	-.0011	.0982	-.0163	.0000	.0006	.0438	.0000	.0015
#2	.0003	-.0022	-.0002	.0781	.0046	.0000	.0004	.0248	-.0001	.0003

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0007	.0002	.0003	.0012	-.0200	.0004	.0000	.0000	-.0027	-.0005
Stddev	.0032	.0027	.0000	.0002	.0004	.0002	.0000	.000	.0004	.0005
%RSD	441.3	1236.	3.413	19.15	2.091	53.40	194.6	196.8	14.19	92.65
#1	.0030	-.0017	.0003	.0014	-.0203	.0003	.0000	-.0001	-.0025	-.0002
#2	-.0016	.0021	.0003	.0011	-.0197	.0006	.0001	.0000	-.0030	-.0008

Elem	W_2397	Zn2062	Zr3391
Avg	-.0021	.0000	.0002
Stddev	.0076	.000	.0000
%RSD	357.6	251.3	15.70
#1	.0033	.0000	.0002
#2	-.0075	-.0001	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1701.0	42752.	16330.
Stddev	3.2	59.	138.
%RSD	.18807	.13772	.84655
#1	1698.8	42710.	16428.
#2	1703.3	42794.	16232.

Zoom In Zoom Out

Sample Name: MP21518-S1 Acquired: 8/20/2013 17:23:09 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2052	15.80	.6394	-.0072	.0329	2.182	.5044	50.06	.5230	.5446
Stddev	.0008	.00	.0005	.0004	.0001	.001	.0001	.06	.0001	.0004
%RSD	.3976	.0264	.0836	5.013	.3189	.0497	.0107	.1287	.0148	.0675
#1	.2058	15.80	.6390	-.0069	.0328	2.182	.5044	50.11	.5229	.5443
#2	.2046	15.80	.6398	-.0074	.0330	2.181	.5045	50.02	.5230	.5448

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5436	.5151	29.62	30.59	30.17	6.733	.0022	47.69	.5178	1.006
Stddev	.0016	.0008	.01	.04	.00	.086	.0003	.01	.0004	.000
%RSD	.2990	.1515	.0264	.1286	.0163	1.275	13.81	.0158	.0771	.0077
#1	.5447	.5146	29.62	30.62	30.17	6.794	.0020	47.69	.5180	1.006
#2	.5424	.5157	29.61	30.56	30.18	6.672	.0025	47.70	.5175	1.006

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0017	.0245	.5115	.5069	16.35	-.0013	.8245	.9747	.5207	.5533
Stddev	.0012	.0012	.0013	.0022	.00	.0009	.0005	.0012	.0029	.0056
%RSD	68.58	4.982	.2537	.4341	.0289	64.98	.0597	.1281	.5524	1.014
#1	-.0026	.0237	.5106	.5054	16.35	-.0007	.8242	.9756	.5187	.5573
#2	-.0009	.0254	.5124	.5085	16.35	-.0019	.8249	.9738	.5228	.5494

Elem	W_2397	Zn2062	Zr3391
Avg	-.0019	.8250	-.0017
Stddev	.0037	.0004	.0002
%RSD	189.8	.0431	10.52
#1	.0007	.8252	-.0016
#2	-.0046	.8247	-.0019

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1713.5	43238.	16920.
Stddev	4.0	554.	53.
%RSD	.23349	1.2819	.31585
#1	1716.3	42846.	16882.
#2	1710.6	43630.	16957.

Zoom In Zoom Out

Sample Name: MP21518-S2 Acquired: 8/20/2013 17:27:29 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2088	16.44	.6496	-.0080	.0336	2.200	.5070	50.79	.5296	.5494
Stddev	.0021	.03	.0036	.0012	.0001	.005	.0011	.07	.0011	.0014
%RSD	1.016	.1829	.5599	14.84	.1882	.2401	.2086	.1368	.2143	.2622
#1	.2073	16.42	.6522	-.0072	.0336	2.197	.5063	50.74	.5304	.5504
#2	.2103	16.46	.6470	-.0089	.0335	2.204	.5078	50.84	.5288	.5484

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5479	.5198	30.44	31.06	30.60	6.860	.0020	48.50	.5222	1.015
Stddev	.0035	.0001	.09	.03	.04	.044	.0000	.05	.0012	.001
%RSD	.6398	.0109	.2978	.0884	.1416	.6427	2.333	.1120	.2239	.0516
#1	.5454	.5197	30.37	31.05	30.57	6.891	.0020	48.46	.5230	1.015
#2	.5504	.5198	30.50	31.08	30.63	6.829	.0019	48.54	.5213	1.016

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0051	.0292	.5163	.5118	16.99	-.0014	.8355	1.002	.5269	.5610
Stddev	.0006	.0032	.0011	.0000	.04	.0004	.0029	.005	.0014	.0068
%RSD	11.12	10.81	.2144	.0059	.2135	28.59	.3415	.4852	.2680	1.221
#1	-.0055	.0314	.5170	.5118	17.01	-.0011	.8335	.9986	.5279	.5562
#2	-.0047	.0270	.5155	.5119	16.96	-.0017	.8376	1.005	.5259	.5659

Elem	W_2397	Zn2062	Zr3391
Avg	-.0067	.8373	-.0009
Stddev	.0018	.0006	.0007
%RSD	27.09	.0746	83.88
#1	-.0054	.8378	-.0004
#2	-.0080	.8369	-.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1697.9	42832.	16712.
Stddev	3.4	27.	129.
%RSD	.19829	.06390	.77308
#1	1695.5	42851.	16621.
#2	1700.3	42812.	16804.

Zoom In Zoom Out

Sample Name: MC23587-3 Acquired: 8/20/2013 17:31:49 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	13.64	.1012	-.0079	.0314	.1908	.0012	25.66	.0021	.0182
Stddev	.0008	.12	.0007	.0008	.0002	.0017	.0001	.19	.0000	.0000
%RSD	166.3	.8800	.6445	9.675	.7673	.9042	5.112	.7436	.9351	.1053
#1	.0001	13.56	.1008	-.0084	.0312	.1895	.0012	25.52	.0021	.0182
#2	-.0010	13.73	.1017	-.0074	.0316	.1920	.0011	25.79	.0021	.0182

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0093	.0128	28.04	6.115	5.493	6.343	.0014	22.67	.0222	.0100
Stddev	.0006	.0009	.27	.003	.082	.005	.0000	.17	.0005	.0008
%RSD	6.164	6.757	.9571	.0503	1.493	.0817	1.630	.7682	2.122	8.031
#1	.0097	.0122	27.85	6.113	5.435	6.347	.0014	22.55	.0218	.0106
#2	.0089	.0134	28.23	6.117	5.551	6.340	.0014	22.79	.0225	.0094

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0013	.0301	.0013	.0017	16.24	-.0002	.3315	.5140	.0002	.0165
Stddev	.0030	.0050	.0002	.0012	.02	.0000	.0032	.0048	.0019	.0006
%RSD	232.0	16.49	13.61	71.35	.0943	6.967	.9610	.9383	806.9	3.831
#1	-.0034	.0265	.0012	.0009	16.23	-.0002	.3292	.5106	.0016	.0160
#2	.0008	.0336	.0014	.0026	16.25	-.0001	.3337	.5174	-.0011	.0169

Elem	W_2397	Zn2062	Zr3391
Avg	-.0048	.3111	-.0016
Stddev	.0060	.0001	.0005
%RSD	125.1	.0174	28.39
#1	-.0006	.3112	-.0019
#2	-.0091	.3111	-.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1735.4	43231.	17055.
Stddev	2.1	498.	77.
%RSD	.12329	1.1510	.45369
#1	1733.9	42879.	17109.
#2	1737.0	43583.	17000.

Zoom In Zoom Out

Sample Name: MP21518-SD1 Acquired: 8/20/2013 17:36:13 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0027	14.93	.1063	-.0080	.0429	.2081	.0009	28.94	.0024	.0185
Stddev	.0008	.51	.0032	.0023	.0028	.0067	.0005	1.11	.0008	.0005
%RSD	31.05	3.416	2.970	29.14	6.628	3.221	59.47	3.845	31.97	2.738
#1	.0021	15.29	.1041	-.0063	.0409	.2128	.0005	29.73	.0030	.0189
#2	.0033	14.57	.1086	-.0096	.0449	.2033	.0012	28.16	.0019	.0182

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0072	.0087	31.66	7.167	5.943	6.537	.0019	24.97	.0240	.0120
Stddev	.0020	.0012	1.09	.369	.368	.013	.0001	.88	.0009	.0007
%RSD	27.78	13.59	3.441	5.144	6.195	.1939	3.284	3.515	3.714	6.250
#1	.0086	.0096	32.43	7.427	6.204	6.546	.0019	25.59	.0247	.0114
#2	.0058	.0079	30.89	6.906	5.683	6.528	.0020	24.35	.0234	.0125

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0062	.0197	.0006	.0081	16.59	-.0004	.3744	.5256	.0011	.0157
Stddev	.0000	.0338	.0018	.0008	.00	.0007	.0132	.0030	.0017	.0020
%RSD	.4516	171.4	297.1	9.738	.0137	158.7	3.532	.5768	150.7	12.80
#1	.0062	.0437	-.0007	.0076	16.59	.0001	.3838	.5278	.0023	.0171
#2	.0063	-.0042	.0019	.0087	16.59	-.0009	.3651	.5235	-.0001	.0143

Elem	W_2397	Zn2062	Zr3391
Avg	-.0571	.3361	.0008
Stddev	.0513	.0008	.0007
%RSD	89.76	.2309	83.51
#1	-.0209	.3356	.0013
#2	-.0934	.3367	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1711.6	42803.	15915.
Stddev	3.1	52.	631.
%RSD	.18000	.12169	3.9669
#1	1713.8	42766.	15469.
#2	1709.4	42840.	16361.

Zoom In Zoom Out

Sample Name: MP21518-B2 Acquired: 8/20/2013 17:40:33 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2130	2.184	.5541	-.0014	-.0004	2.052	.5185	25.52	.5362	.5398
Stddev	.0004	.001	.0001	.0003	.0003	.007	.0022	.10	.0005	.0008
%RSD	.1856	.0551	.0133	18.65	73.55	.3330	.4177	.4099	.0893	.1408
#1	.2133	2.185	.5542	-.0012	-.0006	2.056	.5201	25.59	.5366	.5393
#2	.2127	2.184	.5541	-.0016	-.0002	2.047	.5170	25.45	.5359	.5403

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5468	.5119	2.070	25.98	25.80	.5128	.0003	26.00	.5089	1.021
Stddev	.0047	.0001	.008	.06	.15	.0012	.0001	.11	.0009	.001
%RSD	.8635	.0257	.4031	.2364	.5828	.2268	47.23	.4046	.1834	.0725
#1	.5435	.5120	2.076	26.02	25.90	.5119	.0002	26.08	.5082	1.020
#2	.5502	.5118	2.064	25.93	25.69	.5136	.0004	25.93	.5096	1.022

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0012	.0044	.5327	.5251	-.0314	-.0011	.5070	.5276	.5350	.5481
Stddev	.0024	.0015	.0006	.0006	.0003	.0006	.0016	.0073	.0003	.0087
%RSD	192.5	33.33	.1202	.1112	.8224	50.91	.3155	1.381	.0654	1.578
#1	-.0029	.0054	.5323	.5247	-.0312	-.0007	.5081	.5224	.5348	.5420
#2	.0004	.0033	.5332	.5255	-.0316	-.0015	.5059	.5328	.5353	.5542

Elem	W_2397	Zn2062	Zr3391
Avg	-.0066	.5396	-.0007
Stddev	.0048	.0007	.0002
%RSD	73.75	.1223	20.60
#1	-.0031	.5401	-.0008
#2	-.0100	.5391	-.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1671.1	41780.	16196.
Stddev	.8	68.	25.
%RSD	.04901	.16358	.15574
#1	1670.5	41828.	16178.
#2	1671.7	41731.	16214.

Zoom In Zoom Out

Sample Name: MP21518-MB2 Acquired: 8/20/2013 17:44:48 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	.0001	-.0012	-.0005	-.0021	.0003	.0000	.0065	.0002	-.0001
Stddev	.000	.0002	.0010	.0002	.0003	.0001	.0001	.0015	.0001	.0000
%RSD	1675.	139.5	83.17	29.00	14.54	20.45	439.7	22.99	32.96	.9153
#1	.0003	.0003	-.0005	-.0006	-.0019	.0003	.0001	.0055	.0002	-.0001
#2	-.0003	.0000	-.0019	-.0004	-.0023	.0004	.0000	.0076	.0003	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	-.0012	.0031	.1616	.0065	.0001	-.0002	.0535	.0001	.0005
Stddev	.0006	.0002	.0004	.0112	.0162	.0001	.0002	.0110	.0004	.0005
%RSD	770.5	12.55	13.06	6.930	250.2	74.29	123.8	20.55	418.1	102.6
#1	-.0005	-.0011	.0028	.1537	.0179	.0002	.0000	.0613	-.0002	.0008
#2	.0004	-.0014	.0034	.1695	-.0050	.0001	-.0003	.0457	.0003	.0001

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0007	.0049	.0006	.0010	-.0250	.0000	.0001	.0000	-.0045	-.0003
Stddev	.0038	.0114	.0011	.0000	.0004	.0002	.0001	.001	.0002	.0001
%RSD	558.8	233.2	205.9	1.391	1.647	962.3	90.68	2459.	5.151	41.26
#1	.0020	-.0032	.0014	.0010	-.0247	.0002	.0001	.0003	-.0047	-.0002
#2	-.0034	.0129	-.0003	.0009	-.0253	-.0001	.0000	-.0004	-.0043	-.0004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0090	.0004	-.0003
Stddev	.0065	.0001	.0001
%RSD	72.47	22.18	36.75
#1	-.0044	.0004	-.0002
#2	-.0137	.0005	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1692.9	42613.	16255.
Stddev	1.6	176.	65.
%RSD	.09681	.41257	.39840
#1	1694.0	42737.	16301.
#2	1691.7	42489.	16210.

Zoom In Zoom Out

Sample Name: MP21518-MB3 Acquired: 8/20/2013 17:49:11 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0006	.0011	-.0011	-.0011	-.0025	.0002	.0000	.0138	.0002	.0000
Stddev	.0003	.0006	.0010	.0003	.0004	.0001	.000	.0013	.0001	.000
%RSD	41.17	58.89	83.84	22.96	14.73	29.34	36.29	9.528	26.39	58.49
#1	.0004	.0006	-.0005	-.0013	-.0022	.0003	.0000	.0147	.0003	.0000
#2	.0008	.0016	-.0018	-.0009	-.0028	.0002	.0000	.0129	.0002	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0005	-.0009	.0014	.1036	.0025	.0003	.0000	.0686	.0001	.0006
Stddev	.0004	.0006	.0014	.0053	.0051	.0000	.0003	.0008	.0004	.0003
%RSD	93.08	70.94	106.2	5.117	201.3	2.804	1323.	1.169	361.2	41.29
#1	-.0002	-.0014	.0003	.0999	-.0011	.0003	.0002	.0692	.0004	.0008
#2	-.0008	-.0004	.0024	.1074	.0061	.0003	-.0002	.0681	-.0002	.0004

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0008	.0058	.0002	.0017	-.0246	.0003	.0001	-.0005	-.0033	-.0001
Stddev	.0003	.0001	.0002	.0009	.0001	.0000	.0001	.0005	.0006	.0010
%RSD	34.85	2.492	116.1	55.57	.3883	2.684	103.0	89.57	19.22	848.9
#1	.0010	.0060	.0004	.0010	-.0247	.0003	.0001	-.0008	-.0029	.0006
#2	.0006	.0057	.0000	.0024	-.0246	.0003	.0000	-.0002	-.0038	-.0009

Elem	W_2397	Zn2062	Zr3391
Avg	-.0111	.0007	-.0002
Stddev	.0068	.0001	.0004
%RSD	61.41	15.30	257.5
#1	-.0063	.0006	.0001
#2	-.0159	.0007	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1699.8	42612.	16029.
Stddev	2.0	404.	13.
%RSD	.11921	.94714	.08217
#1	1701.3	42327.	16038.
#2	1698.4	42898.	16019.

Zoom In Zoom Out

Sample Name: MC23504-1F Acquired: 8/20/2013 17:53:34 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	.0071	.0035	-.0052	.0250	.0645	.0000	129.8	.0004	.0020
Stddev	.0005	.0008	.0004	.0016	.0002	.0003	.000	.2	.0003	.0003
%RSD	79.04	10.89	10.84	31.56	.8624	.4636	40.44	.1409	61.61	12.52
#1	-.0010	.0077	.0038	-.0064	.0249	.0647	-.0001	129.6	.0006	.0022
#2	-.0003	.0066	.0032	-.0040	.0252	.0643	.0000	129.9	.0002	.0018

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0003	-.0016	15.90	5.902	38.94	4.021	.0005	278.7	.0030	.0005
Stddev	.0006	.0004	.03	.026	.03	.027	.0000	.2	.0002	.0001
%RSD	177.9	24.34	.1990	.4417	.0733	.6820	1.761	.0894	5.659	31.08
#1	.0007	-.0018	15.88	5.883	38.92	4.041	.0005	278.8	.0031	.0006
#2	-.0001	-.0013	15.92	5.920	38.96	4.002	.0005	278.5	.0029	.0004

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0069	.0193	.0004	.0006	4.099	.0036	.8070	.0017	-.0035	-.0001
Stddev	.0025	.0027	.0003	.0004	.010	.0000	.0006	.0001	.0002	.0005
%RSD	36.11	14.23	69.67	62.12	.2460	1.101	.0735	6.071	5.555	405.3
#1	-.0051	.0212	.0002	.0003	4.092	.0037	.8066	.0016	-.0034	.0002
#2	-.0086	.0174	.0006	.0008	4.106	.0036	.8074	.0018	-.0036	-.0005

Elem	W_2397	Zn2062	Zr3391
Avg	-.0096	.0049	-.0008
Stddev	.0027	.0001	.0003
%RSD	28.49	1.267	39.80
#1	-.0116	.0049	-.0006
#2	-.0077	.0048	-.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1660.8	43004.	16128.
Stddev	4.6	102.	69.
%RSD	.27789	.23606	.42714
#1	1664.1	42933.	16177.
#2	1657.5	43076.	16080.

Zoom In Zoom Out

Sample Name: MC23504-2F Acquired: 8/20/2013 17:58:05 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	.0050	.0037	-.0039	.0340	.0445	.0000	87.77	.0005	.0005
Stddev	.0003	.0101	.0000	.0017	.0007	.0002	.0000	.06	.0000	.0001
%RSD	308.3	201.8	.3460	42.86	1.959	.3895	41.50	.0669	9.484	24.65
#1	.0001	.0121	.0037	-.0051	.0345	.0444	.0000	87.81	.0005	.0004
#2	-.0003	-.0021	.0037	-.0027	.0336	.0446	.0000	87.73	.0005	.0006

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	-.0009	17.33	7.314	23.67	2.324	.0003	142.4	.0015	-.0007
Stddev	.0007	.0005	.02	.012	.05	.009	.0000	.1	.0003	.0001
%RSD	365.6	53.93	.1187	.1616	.2216	.4038	15.33	.0800	18.28	20.58
#1	-.0003	-.0013	17.34	7.305	23.64	2.317	.0003	142.3	.0017	-.0008
#2	.0007	-.0006	17.31	7.322	23.71	2.330	.0003	142.5	.0013	-.0006

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0040	.0119	.0015	.0008	3.897	.0084	.5292	.0009	-.0033	-.0001
Stddev	.0009	.0009	.0003	.0000	.001	.0001	.0001	.0004	.0001	.0003
%RSD	21.46	7.305	18.75	2.410	.0149	1.683	.0127	42.92	1.973	286.3
#1	-.0046	.0125	.0013	.0008	3.897	.0085	.5292	.0012	-.0034	.0001
#2	-.0034	.0113	.0016	.0008	3.896	.0083	.5291	.0006	-.0033	-.0003

Elem	W_2397	Zn2062	Zr3391
Avg	-.0033	.0105	-.0006
Stddev	.0007	.0000	.0004
%RSD	21.51	.1227	67.31
#1	-.0039	.0105	-.0009
#2	-.0028	.0105	-.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1666.7	42779.	16289.
Stddev	4.7	548.	45.
%RSD	.28267	1.2815	.27684
#1	1670.0	43167.	16257.
#2	1663.4	42392.	16321.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/20/2013 18:02:31 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2498	10.00	2.025	-.0037	1.999	1.967	1.952	10.03	2.049	2.120
Stddev	.0177	.06	.006	.0001	.000	.015	.014	.09	.000	.001
%RSD	7.071	.6174	.3002	1.467	.0168	.7455	.7144	.8635	.0182	.0667
#1	.2623	9.961	2.021	-.0037	1.999	1.956	1.942	9.972	2.049	2.119
#2	.2373	10.05	2.030	-.0036	1.999	1.977	1.962	10.09	2.049	2.121

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.972	1.968	9.964	10.02	9.826	1.942	2.025	10.09	1.986	1.992
Stddev	.147	.139	.086	.06	.060	.143	.003	.07	.002	.001
%RSD	7.454	7.074	.8578	.5920	.6066	7.354	.1566	.6779	.0855	.0348
#1	2.076	2.067	9.904	9.974	9.783	2.043	2.023	10.04	1.987	1.993
#2	1.868	1.870	10.02	10.06	9.868	1.841	2.027	10.13	1.985	1.992

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0033	.0131	2.026	2.017	1.162	2.005	1.988	1.959	2.040	1.971
Stddev	.0010	.0004	.004	.002	.007	.003	.014	.139	.003	.141
%RSD	30.35	2.865	.1790	.1117	.5797	.1425	.7167	7.113	.1557	7.144
#1	.0026	.0128	2.023	2.018	1.157	2.007	1.977	2.058	2.042	2.071
#2	.0041	.0133	2.028	2.015	1.167	2.003	1.998	1.861	2.037	1.871

Elem	W_2397	Zn2062	Zr3391
Avg	.0089	2.022	-.0046
Stddev	.0062	.001	.0004
%RSD	68.85	.0224	8.959
#1	.0133	2.022	-.0043
#2	.0046	2.022	-.0049

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1676.3	42925.	16010.
Stddev	1.2	2941.	185.
%RSD	.07168	6.8504	1.1558
#1	1675.5	40846.	16141.
#2	1677.2	45005.	15880.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/20/2013 18:06:45 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0005	.0019	-.0001	-.0005	.0020	.0003	.0002	.0029	F.0005
Stddev	.0002	.0088	.0003	.0004	.0001	.0002	.0001	.0025	.0001
%RSD	39.61	466.5	200.5	67.77	7.091	63.64	63.81	87.31	11.01
#1	.0006	-.0043	-.0003	-.0003	.0021	.0002	.0001	.0011	.0004
#2	.0003	.0081	.0001	-.0008	.0019	.0005	.0002	.0047	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	.0002	-.0016	.0024	.0789	-.0087	.0001	.0024	.0802
Stddev	.0003	.0000	.0016	.0018	.0283	.0188	.0001	.0007	.0059
%RSD	142.6	10.02	101.1	73.01	35.88	216.1	156.7	29.97	7.380
#1	.0004	.0002	-.0028	.0012	.0589	.0046	.0000	.0029	.0760
#2	.0000	.0002	-.0005	.0037	.0989	-.0220	.0001	.0019	.0844

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0004	.0001	-.0007	.0047	-.0002	-.0003	.0007	.0003	.0001
Stddev	.0000	.0015	.0013	.0018	.0000	.0008	.0010	.0003	.0000
%RSD	6.048	2971.	200.5	38.96	13.79	281.6	138.0	82.89	30.06
#1	.0004	.0011	.0003	.0061	-.0002	-.0008	.0000	.0005	.0001
#2	.0004	-.0010	-.0016	.0034	-.0002	.0003	.0014	.0001	.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0003	.0004	-.0009	-.0034	.0002	.0000
Stddev	.0000	.0007	.0005	.0041	.0001	.000
%RSD	11.83	171.4	61.13	119.9	68.51	1779.
#1	-.0003	.0010	-.0005	-.0064	.0001	.0001
#2	-.0003	-.0001	-.0013	-.0005	.0003	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1697.9	42793.	15687.
Stddev	10.3	1772.	255.
%RSD	.60595	4.1399	1.6251
#1	1705.1	44046.	15868.
#2	1690.6	41541.	15507.

Zoom In Zoom Out

Sample Name: MC23504-3F Acquired: 8/20/2013 18:11:08 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0016	.0134	.0011	-.0027	.0966	.0516	.0000	154.1	.0003	-.0001
Stddev	.0000	.0009	.0014	.0013	.0001	.0001	.000	.2	.0002	.0001
%RSD	2.460	7.056	124.6	49.29	.0905	.1522	97.81	.1390	58.57	51.10
#1	.0016	.0140	.0021	-.0036	.0966	.0515	.0000	154.0	.0002	-.0001
#2	.0016	.0127	.0001	-.0017	.0965	.0516	-.0001	154.3	.0004	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0003	.0008	.0008	15.03	15.40	.3115	.0013	312.2	.0024	-.0003
Stddev	.0005	.0009	.0009	.04	.03	.0005	.0002	3.3	.0003	.0001
%RSD	160.5	118.3	116.0	.2967	.1786	.1562	13.58	1.049	11.68	37.09
#1	.0007	.0001	.0015	15.00	15.38	.3118	.0014	309.9	.0026	-.0004
#2	.0000	.0015	.0001	15.07	15.42	.3112	.0012	314.6	.0022	-.0002

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0093	.0064	.0017	.0006	3.954	.0209	.7637	.0013	-.0033	.0003
Stddev	.0012	.0016	.0008	.0005	.010	.0004	.0020	.0004	.0007	.0003
%RSD	12.79	24.24	49.21	91.32	.2598	1.880	.2622	29.54	20.04	137.2
#1	-.0102	.0075	.0011	.0009	3.961	.0212	.7622	.0016	-.0037	.0000
#2	-.0085	.0053	.0023	.0002	3.947	.0206	.7651	.0010	-.0028	.0005

Elem	W_2397	Zn2062	Zr3391
Avg	-.0102	.0072	-.0010
Stddev	.0039	.0003	.0000
%RSD	38.64	3.940	1.895
#1	-.0074	.0070	-.0010
#2	-.0129	.0074	-.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1643.8	42552.	15986.
Stddev	3.2	162.	64.
%RSD	.19666	.38063	.39991
#1	1641.5	42437.	16031.
#2	1646.1	42667.	15941.

Zoom In Zoom Out

Sample Name: MC23504-4F Acquired: 8/20/2013 18:15:34 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	.0022	.0117	-.0066	.0164	.0472	.0000	112.3	.0008	.0017
Stddev	.0003	.0045	.0010	.0011	.0001	.0002	.000	.1	.0000	.0001
%RSD	42.40	202.0	8.224	17.39	.3527	.4733	740.1	.0580	3.950	4.542
#1	-.0009	.0054	.0124	-.0074	.0163	.0471	-.0001	112.4	.0007	.0018
#2	-.0005	-.0010	.0110	-.0058	.0164	.0474	.0000	112.3	.0008	.0017

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0006	-.0014	17.15	1.612	40.14	7.082	.0004	94.85	.0031	-.0011
Stddev	.0005	.0004	.02	.015	.01	.013	.0000	.04	.0002	.0003
%RSD	90.04	28.68	.1063	.9548	.0278	.1775	5.581	.0385	7.248	27.19
#1	.0002	-.0011	17.16	1.602	40.13	7.073	.0004	94.88	.0030	-.0013
#2	.0009	-.0017	17.13	1.623	40.15	7.091	.0004	94.83	.0033	-.0009

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0090	.0308	.0015	.0012	5.947	.0132	.6620	.0015	-.0039	-.0001
Stddev	.0019	.0038	.0008	.0001	.010	.0001	.0007	.0002	.0006	.0001
%RSD	21.05	12.34	50.69	11.75	.1745	1.124	.0986	13.15	15.87	127.5
#1	-.0077	.0281	.0021	.0013	5.939	.0131	.6624	.0013	-.0043	.0000
#2	-.0103	.0334	.0010	.0011	5.954	.0133	.6615	.0016	-.0035	-.0001

Elem	W_2397	Zn2062	Zr3391
Avg	-.0054	.0076	-.0015
Stddev	.0055	.0001	.0002
%RSD	101.7	1.415	13.96
#1	-.0092	.0077	-.0013
#2	-.0015	.0076	-.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1657.3	42487.	16230.
Stddev	2.3	464.	82.
%RSD	.14029	1.0930	.50349
#1	1658.9	42815.	16172.
#2	1655.7	42158.	16287.

Zoom In Zoom Out

Sample Name: MC23504-5F Acquired: 8/20/2013 18:20:01 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	.0001	.0178	-.0069	.0337	.0659	.0000	151.0	.0009	.0042
Stddev	.0005	.0103	.0017	.0009	.0006	.0004	.000	.0	.0001	.0000
%RSD	151.5	17220.	9.647	12.83	1.781	.6546	139.7	.0086	12.16	.6254
#1	-.0006	.0073	.0166	-.0075	.0333	.0656	-.0001	151.0	.0009	.0042
#2	.0000	-.0072	.0190	-.0063	.0341	.0662	.0000	151.0	.0010	.0042

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0006	-.0014	14.77	2.564	43.02	8.825	.0009	198.0	.0070	.0052
Stddev	.0003	.0001	.03	.007	.34	.011	.0001	2.2	.0000	.0003
%RSD	52.88	4.101	.1696	.2735	.7884	.1214	8.446	1.127	.6796	6.242
#1	.0004	-.0014	14.75	2.559	43.26	8.832	.0009	199.5	.0070	.0050
#2	.0008	-.0015	14.78	2.569	42.78	8.817	.0010	196.4	.0070	.0055

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0096	.0381	.0020	.0031	6.060	.0391	.9675	.0021	-.0028	.0002
Stddev	.0019	.0025	.0008	.0012	.002	.0010	.0011	.0003	.0009	.0011
%RSD	20.13	6.557	39.22	38.85	.0299	2.545	.1129	13.56	33.81	454.0
#1	-.0110	.0363	.0015	.0039	6.059	.0398	.9683	.0023	-.0035	.0010
#2	-.0082	.0398	.0026	.0022	6.061	.0384	.9668	.0019	-.0021	-.0005

Elem	W_2397	Zn2062	Zr3391
Avg	-.0139	.0069	-.0007
Stddev	.0015	.0000	.0003
%RSD	10.82	.4017	44.28
#1	-.0128	.0069	-.0005
#2	-.0150	.0069	-.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1654.4	42285.	16262.
Stddev	2.3	247.	108.
%RSD	.14135	.58503	.66198
#1	1652.7	42110.	16338.
#2	1656.0	42460.	16186.

Zoom In Zoom Out

Sample Name: MC23504-6F Acquired: 8/20/2013 18:24:31 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0007	.0007	.0028	-.0066	.0229	.0676	.0000	167.3	.0005	.0040
Stddev	.0005	.0053	.0020	.0002	.0005	.0000	.000	2.9	.0001	.0002
%RSD	69.87	726.6	71.40	3.197	2.344	.0115	912.9	1.718	17.34	5.580
#1	.0003	-.0030	.0043	-.0064	.0233	.0676	-.0001	165.2	.0004	.0038
#2	.0010	.0044	.0014	-.0067	.0225	.0676	.0001	169.3	.0006	.0041

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	-.0017	.0560	6.432	54.03	4.913	.0009	127.6	.0053	-.0006
Stddev	.0000	.0008	.0001	.028	.63	.019	.0002	1.3	.0002	.0005
%RSD	18.54	43.98	.1625	.4327	1.169	.3904	27.18	1.018	4.222	89.26
#1	.0002	-.0023	.0560	6.451	54.48	4.900	.0007	126.7	.0052	-.0009
#2	.0002	-.0012	.0561	6.412	53.59	4.927	.0010	128.5	.0055	-.0002

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0087	.0221	.0013	.0011	5.421	.0522	1.124	.0023	-.0022	.0006
Stddev	.0008	.0051	.0004	.0008	.005	.0001	.004	.0005	.0019	.0005
%RSD	9.459	22.84	32.35	73.64	.1009	.2486	.3768	19.94	84.33	89.47
#1	-.0093	.0186	.0010	.0017	5.425	.0523	1.121	.0019	-.0009	.0002
#2	-.0081	.0257	.0015	.0005	5.417	.0521	1.127	.0026	-.0036	.0009

Elem	W_2397	Zn2062	Zr3391
Avg	-.0103	.0055	-.0009
Stddev	.0028	.0001	.0004
%RSD	27.29	2.143	48.30
#1	-.0083	.0056	-.0006
#2	-.0122	.0054	-.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1662.4	42687.	16218.
Stddev	7.5	149.	142.
%RSD	.45295	.35007	.87261
#1	1657.1	42793.	16318.
#2	1667.7	42581.	16118.

Zoom In Zoom Out

Sample Name: MC23530-1F Acquired: 8/20/2013 18:29:10 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0010	.0001	-.0010	-.0010	.0107	.0175	.0000	6.397	.0003	-.0001
Stddev	.0002	.0040	.0008	.0002	.0002	.0008	.000	.263	.0002	.0001
%RSD	19.16	6525.	85.90	23.77	2.179	4.428	119.7	4.104	83.64	94.42
#1	.0011	-.0028	-.0015	-.0008	.0108	.0170	-.0001	6.211	.0004	-.0002
#2	.0009	.0029	-.0004	-.0012	.0105	.0181	.0000	6.583	.0001	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	-.0020	.6269	.8971	1.600	.0258	.0001	4.830	.0005	-.0001
Stddev	.0001	.0000	.0246	.0650	.088	.0005	.0002	.208	.0001	.0002
%RSD	38.39	2.332	3.921	7.244	5.523	1.861	419.2	4.303	19.07	201.6
#1	-.0003	-.0020	.6095	.8512	1.538	.0254	.0002	4.683	.0005	-.0002
#2	-.0004	-.0020	.6442	.9431	1.663	.0261	-.0001	4.977	.0006	.0000

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0003	.0027	.0008	.0016	4.590	.0006	.0713	-.0003	-.0047	.0008
Stddev	.0023	.0002	.0011	.0005	.003	.0000	.0029	.0002	.0015	.0003
%RSD	697.1	5.471	140.7	28.94	.0632	5.584	4.046	52.50	31.34	33.28
#1	-.0013	.0026	.0015	.0019	4.592	.0006	.0693	-.0002	-.0037	.0010
#2	.0019	.0029	.0000	.0013	4.588	.0006	.0734	-.0004	-.0058	.0006

Elem	W_2397	Zn2062	Zr3391
Avg	-.0094	.0098	-.0012
Stddev	.0074	.0000	.0001
%RSD	78.45	.4509	4.704
#1	-.0146	.0098	-.0013
#2	-.0042	.0097	-.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1696.4	42837.	16974.
Stddev	1.7	55.	524.
%RSD	.09758	.12753	3.0847
#1	1697.5	42876.	17344.
#2	1695.2	42799.	16604.

Zoom In Zoom Out

Sample Name: MC23530-2F Acquired: 8/20/2013 18:33:31 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0009	-.0029	-.0003	-.0002	.0106	.0183	.0000	6.649	.0001	-.0002
Stddev	.0005	.0064	.0007	.0003	.0001	.0001	.000	.003	.0001	.0002
%RSD	49.74	219.1	198.2	152.6	.7878	.7256	1571.	.0448	68.96	89.05
#1	.0013	-.0075	-.0008	.0000	.0107	.0182	.0000	6.651	.0002	-.0001
#2	.0006	.0016	.0001	-.0005	.0105	.0184	.0000	6.647	.0001	-.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0004	-.0012	.6488	.9603	1.702	.0257	.0000	5.076	.0003	-.0004
Stddev	.0006	.0003	.0029	.0198	.043	.0001	.0000	.000	.0000	.0005
%RSD	148.0	22.25	.4449	2.062	2.498	.2979	13.26	.0045	10.84	106.8
#1	-.0008	-.0014	.6468	.9463	1.672	.0256	.0000	5.076	.0003	-.0008
#2	.0000	-.0010	.6509	.9743	1.732	.0257	.0000	5.077	.0003	-.0001

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0012	.0005	-.0006	.0017	4.588	.0001	.0734	-.0003	-.0040	.0013
Stddev	.0004	.0097	.0002	.0006	.003	.0001	.0015	.0001	.0019	.0003
%RSD	31.18	1778.	27.01	35.01	.0693	88.19	2.032	27.84	48.13	23.36
#1	-.0015	.0074	-.0005	.0013	4.586	.0000	.0723	-.0004	-.0027	.0011
#2	-.0009	-.0063	-.0007	.0021	4.590	.0001	.0744	-.0003	-.0054	.0015

Elem	W_2397	Zn2062	Zr3391
Avg	-.0138	.0091	-.0008
Stddev	.0018	.0001	.0000
%RSD	12.95	1.056	4.573
#1	-.0125	.0090	-.0008
#2	-.0151	.0092	-.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1711.9	43122.	16406.
Stddev	.7	237.	19.
%RSD	.04022	.54915	.11407
#1	1711.4	43289.	16393.
#2	1712.4	42954.	16419.

Zoom In Zoom Out

Sample Name: MC23530-3F Acquired: 8/20/2013 18:37:53 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	.1365	-.0007	-.0010	.0169	.0313	.0001	3.532	.0002	.0001
Stddev	.0002	.0060	.0004	.0002	.0003	.0004	.0001	.025	.0001	.0000
%RSD	58.90	4.379	64.45	18.68	1.792	1.290	144.7	.7123	47.61	2.407
#1	.0002	.1322	-.0004	-.0011	.0171	.0310	.0001	3.514	.0002	.0001
#2	.0005	.1407	-.0010	-.0008	.0167	.0316	.0000	3.550	.0003	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0005	-.0012	.0084	1.835	1.174	.0193	.0000	2.311	.0004	.0005
Stddev	.0005	.0007	.0009	.007	.031	.0002	.0001	.000	.0001	.0004
%RSD	101.0	58.05	10.37	.3928	2.656	.8744	1290.	.0004	16.67	72.46
#1	-.0008	-.0007	.0078	1.830	1.196	.0192	-.0001	2.311	.0004	.0003
#2	-.0001	-.0017	.0090	1.840	1.152	.0194	.0001	2.311	.0003	.0008

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0005	-.0039	.0008	.0003	4.430	-.0001	.0642	.0000	-.0039	-.0002
Stddev	.0000	.0065	.0005	.0001	.018	.0002	.0004	.001	.0005	.0006
%RSD	5.601	167.3	63.66	33.15	.4044	228.4	.5957	10460.	11.71	324.5
#1	-.0005	-.0084	.0011	.0004	4.443	-.0002	.0640	-.0004	-.0036	-.0006
#2	-.0006	.0007	.0004	.0002	4.417	.0000	.0645	.0004	-.0042	.0002

Elem	W_2397	Zn2062	Zr3391
Avg	-.0036	.0101	-.0006
Stddev	.0077	.0001	.0001
%RSD	213.4	.8082	11.12
#1	-.0091	.0101	-.0007
#2	.0018	.0100	-.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1715.7	43068.	16505.
Stddev	5.2	179.	.
%RSD	.30287	.41534	.00103
#1	1712.0	42942.	16505.
#2	1719.4	43195.	16505.

Zoom In Zoom Out

Sample Name: MC23530-4F Acquired: 8/20/2013 18:42:14 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	.0007	.0005	-.0035	.4185	.1409	.0000	13.15	.0004	.0003
Stddev	.0008	.0008	.0012	.0005	.0021	.0011	.0000	.00	.0000	.0000
%RSD	196.8	118.2	258.9	14.68	.5111	.7977	1110.	.0143	4.432	9.268
#1	.0009	.0013	-.0004	-.0039	.4200	.1417	.0000	13.14	.0004	.0002
#2	-.0002	.0001	.0013	-.0031	.4170	.1401	.0000	13.15	.0004	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	-.0006	.0048	5.325	66.57	1.870	.1280	22.34	.0004	.0004
Stddev	.0001	.0005	.0015	.047	.14	.005	.0002	.01	.0004	.0004
%RSD	47.30	86.14	30.39	.8817	.2059	.2522	.1591	.0563	97.93	83.25
#1	-.0002	-.0002	.0058	5.292	66.47	1.873	.1278	22.35	.0008	.0002
#2	-.0003	-.0009	.0038	5.358	66.66	1.866	.1281	22.34	.0001	.0007

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0010	.0084	.0006	.0014	3.625	-.0004	.1015	.0002	-.0035	.0007
Stddev	.0019	.0073	.0005	.0012	.011	.0006	.0001	.0004	.0007	.0008
%RSD	197.1	87.76	72.45	81.82	.3074	158.6	.0984	225.5	20.68	126.8
#1	-.0023	.0032	.0003	.0023	3.633	.0000	.1015	.0005	-.0041	.0001
#2	.0004	.0136	.0009	.0006	3.617	-.0008	.1014	-.0001	-.0030	.0012

Elem	W_2397	Zn2062	Zr3391
Avg	-.0167	.0055	-.0009
Stddev	.0135	.0003	.0002
%RSD	80.83	5.115	17.46
#1	-.0262	.0053	-.0010
#2	-.0072	.0057	-.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1709.2	42874.	16425.
Stddev	4.5	457.	179.
%RSD	.26327	1.0663	1.0918
#1	1706.0	42550.	16552.
#2	1712.4	43197.	16298.

Zoom In Zoom Out

Sample Name: MC23530-5F Acquired: 8/20/2013 18:46:33 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	.0031	.0000	-.0019	-.0022	.0002	-.0001	.0266	.0002	-.0004
Stddev	.0001	.0053	.002	.0000	.0004	.0003	.0000	.0009	.0000	.0002
%RSD	16.49	169.3	36140.	2.487	16.64	175.7	39.82	3.213	15.49	37.89
#1	.0003	-.0006	.0013	-.0019	-.0024	.0000	-.0001	.0260	.0002	-.0003
#2	.0004	.0068	-.0014	-.0018	-.0019	.0004	.0000	.0272	.0001	-.0006

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	-.0009	.0002	.0915	.0071	.0003	.0001	.1065	.0000	.0000
Stddev	.0004	.0003	.0008	.0029	.0221	.0000	.0000	.0090	.000	.002
%RSD	461.6	31.35	361.0	3.221	313.3	4.489	8.241	8.481	529.0	4213.
#1	-.0004	-.0007	-.0003	.0936	.0227	.0002	.0001	.1002	-.0002	.0010
#2	.0002	-.0012	.0008	.0895	-.0086	.0003	.0001	.1129	.0001	-.0011

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0024	.0014	.0004	.0016	-.0288	.0000	.0001	.0004	-.0036	-.0005
Stddev	.0001	.0003	.0002	.0012	.0003	.000	.0000	.0000	.0000	.0001
%RSD	3.817	20.75	50.30	78.12	1.020	4541.	41.47	.2848	.2650	17.77
#1	.0023	.0016	.0002	.0024	-.0290	.0000	.0001	.0004	-.0036	-.0005
#2	.0024	.0012	.0005	.0007	-.0286	.0000	.0001	.0004	-.0036	-.0004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0030	.0050	-.0008
Stddev	.0031	.0000	.0005
%RSD	104.6	.5955	61.09
#1	-.0008	.0050	-.0011
#2	-.0052	.0051	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1708.3	43049.	16406.
Stddev	.3	119.	53.
%RSD	.01860	.27597	.32094
#1	1708.1	42965.	16369.
#2	1708.5	43133.	16444.

Zoom In Zoom Out

Sample Name: MC23530-7F Acquired: 8/20/2013 18:50:54 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0008	.0073	.0021	-.0025	.2153	.2635	-.0001	113.0	.0003	.0028
Stddev	.0001	.0038	.0004	.0004	.0001	.0006	.0000	.1	.0002	.0002
%RSD	17.94	51.89	20.44	17.81	.0526	.2178	34.38	.1250	55.89	8.747
#1	.0007	.0100	.0018	-.0028	.2154	.2639	-.0001	113.1	.0005	.0030
#2	.0009	.0046	.0024	-.0022	.2152	.2631	-.0001	112.9	.0002	.0027

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0007	.0023	.0316	9.500	37.64	.7656	.0575	30.37	.0291	-.0006
Stddev	.0005	.0004	.0018	.023	.05	.0021	.0001	.06	.0003	.0001
%RSD	69.66	16.35	5.808	.2408	.1325	.2734	.0918	.2009	.8755	12.90
#1	.0011	.0025	.0303	9.516	37.68	.7641	.0575	30.41	.0289	-.0007
#2	.0004	.0020	.0329	9.484	37.61	.7671	.0574	30.32	.0293	-.0006

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0087	.0033	.0046	.0015	14.39	-.0004	.6392	.0020	-.0042	.0003
Stddev	.0008	.0122	.0001	.0011	.00	.0003	.0010	.0009	.0006	.0006
%RSD	8.774	367.4	1.189	75.49	.0111	72.74	.1523	42.97	15.36	198.7
#1	-.0082	.0119	.0046	.0023	14.39	-.0002	.6399	.0026	-.0037	-.0001
#2	-.0093	-.0053	.0045	.0007	14.39	-.0005	.6385	.0014	-.0046	.0007

Elem	W_2397	Zn2062	Zr3391
Avg	.0035	.0161	-.0025
Stddev	.0079	.0000	.0002
%RSD	224.4	.2871	7.421
#1	.0091	.0161	-.0026
#2	-.0021	.0162	-.0024

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1699.1	43340.	16394.
Stddev	.9	151.	14.
%RSD	.05510	.34924	.08371
#1	1699.8	43447.	16404.
#2	1698.5	43233.	16385.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/20/2013 18:55:11 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2514	10.09	2.004	-.0043	2.015	1.965	1.987	10.06	2.002	2.097
Stddev	.0007	.01	.006	.0007	.002	.001	.002	.00	.000	.001
%RSD	.2845	.1293	.3005	16.29	.0758	.0289	.0892	.0130	.0180	.0445
#1	.2519	10.10	2.000	-.0048	2.014	1.966	1.988	10.07	2.002	2.097
#2	.2509	10.08	2.008	-.0038	2.017	1.965	1.986	10.06	2.002	2.096

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.000	1.964	10.14	9.960	9.902	2.002	2.005	10.13	1.988	1.978
Stddev	.002	.000	.01	.016	.027	.002	.000	.00	.003	.002
%RSD	.0983	.0029	.1320	.1583	.2693	.0813	.0104	.0235	.1415	.0978
#1	1.999	1.964	10.13	9.949	9.920	2.003	2.005	10.13	1.990	1.979
#2	2.001	1.964	10.15	9.971	9.883	2.000	2.005	10.13	1.986	1.976

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0014	.0108	2.005	2.004	1.155	2.020	1.986	1.995	2.007	1.989
Stddev	.0004	.0094	.001	.001	.002	.003	.000	.001	.003	.002
%RSD	31.87	86.81	.0293	.0682	.1918	.1487	.0167	.0290	.1576	.1201
#1	.0017	.0042	2.005	2.005	1.156	2.022	1.986	1.995	2.010	1.987
#2	.0011	.0174	2.006	2.003	1.153	2.018	1.987	1.996	2.005	1.991

Elem	W_2397	Zn2062	Zr3391
Avg	.0054	1.996	-.0048
Stddev	.0020	.001	.0001
%RSD	36.30	.0388	2.944
#1	.0068	1.997	-.0049
#2	.0040	1.996	-.0047

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1713.3	42693.	16474.
Stddev	2.0	249.	1.
%RSD	.11552	.58339	.00522
#1	1714.7	42869.	16473.
#2	1711.9	42517.	16474.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/20/2013 18:59:22 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0007	.0077	.0009	.0001	.0021	.0002	.0001	.0069	.0002	.0003
Stddev	.0004	.0083	.0001	.0001	.0002	.0001	.0000	.0003	.0001	.0005
%RSD	51.73	107.7	6.566	47.28	10.13	87.54	29.54	3.897	49.70	189.7
#1	.0009	.0135	.0009	.0002	.0022	.0003	.0001	.0067	.0002	.0006
#2	.0004	.0018	.0010	.0001	.0019	.0001	.0001	.0071	.0003	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	-.0003	-.0024	.0525	-.0175	.0000	.0022	.0543	.0001	.0007
Stddev	.0004	.0007	.0015	.0006	.0183	.0000	.0005	.0057	.0001	.0005
%RSD	145.4	208.7	62.27	1.157	104.5	198.9	22.65	10.48	88.34	80.41
#1	-.0005	.0002	-.0014	.0521	-.0305	.0000	.0025	.0503	.0000	.0003
#2	.0000	-.0009	-.0035	.0530	-.0046	.0000	.0018	.0583	.0002	.0010

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0004	.0065	-.0011	-.0003	-.0005	.0002	.0001	.0003	.0019	.0001
Stddev	.0012	.0055	.0003	.0009	.0005	.0003	.0000	.0002	.0014	.0001
%RSD	295.6	84.86	24.71	305.7	107.2	171.4	30.30	57.74	71.61	123.0
#1	-.0004	.0026	-.0013	.0003	-.0009	.0004	.0001	.0004	.0009	.0000
#2	.0012	.0104	-.0009	-.0009	-.0001	.0000	.0001	.0002	.0029	.0001

Elem	W_2397	Zn2062	Zr3391
Avg	-.0048	.0000	.0002
Stddev	.0125	.0000	.0002
%RSD	260.3	556.1	116.5
#1	-.0136	.0000	.0003
#2	.0040	.0000	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1734.7	43773.	16278.
Stddev	2.9	172.	20.
%RSD	.16544	.39260	.12058
#1	1732.6	43894.	16292.
#2	1736.7	43651.	16264.

Zoom In Zoom Out

Sample Name: MC23571-2 Acquired: 8/20/2013 19:03:45 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0009	.1005	.0002	-.0029	.0149	.0607	-.0001	37.97	.0005	.0025
Stddev	.0003	.0025	.0006	.0003	.0001	.0005	.0000	.01	.0001	.0002
%RSD	39.02	2.525	234.8	10.31	.6631	.8095	27.53	.0329	18.31	8.978
#1	.0011	.1023	-.0002	-.0031	.0149	.0604	-.0001	37.97	.0006	.0023
#2	.0006	.0987	.0007	-.0027	.0148	.0611	.0000	37.98	.0004	.0026

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0010	.0020	.2139	4.886	5.688	.6699	.0020	59.95	.0054	.0002
Stddev	.0004	.0003	.0023	.039	.010	.0011	.0003	.16	.0001	.0003
%RSD	43.43	14.30	1.073	.7915	.1822	.1673	14.36	.2715	1.170	147.3
#1	.0007	.0018	.2122	4.914	5.696	.6691	.0022	59.84	.0054	.0000
#2	.0013	.0022	.2155	4.859	5.681	.6707	.0018	60.07	.0055	.0005

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0014	.0045	.0011	.0015	2.742	-.0004	.1924	.0069	-.0029	.0009
Stddev	.0010	.0074	.0000	.0007	.003	.0005	.0004	.0009	.0009	.0003
%RSD	76.81	166.4	3.350	48.42	.0934	126.7	.2264	13.13	29.78	37.69
#1	-.0021	-.0008	.0011	.0020	2.740	.0000	.1921	.0063	-.0023	.0007
#2	-.0006	.0097	.0010	.0010	2.743	-.0007	.1927	.0076	-.0035	.0012

Elem	W_2397	Zn2062	Zr3391
Avg	-.0140	.0297	-.0009
Stddev	.0064	.0004	.0008
%RSD	45.52	1.272	92.73
#1	-.0095	.0294	-.0014
#2	-.0184	.0299	-.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1700.4	43160.	16382.
Stddev	3.2	197.	21.
%RSD	.18855	.45544	.13031
#1	1702.7	43299.	16397.
#2	1698.1	43021.	16367.

Zoom In Zoom Out

Sample Name: MC23587-2 Acquired: 8/20/2013 19:08:04 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	10.81	.0999	-.0085	.0331	.0954	.0006	25.28	.0019	.0130
Stddev	.0004	.04	.0017	.0013	.0000	.0005	.0000	.15	.0000	.0001
%RSD	103.5	.4001	1.671	15.63	.0101	.5066	3.986	.6088	2.157	1.031
#1	-.0001	10.84	.0987	-.0076	.0331	.0958	.0006	25.39	.0018	.0129
#2	-.0007	10.78	.1011	-.0094	.0331	.0951	.0006	25.17	.0019	.0131

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0072	.0097	25.61	5.666	5.367	6.178	.0024	23.94	.0152	.0047
Stddev	.0002	.0000	.18	.068	.018	.030	.0001	.17	.0004	.0014
%RSD	3.400	.1269	.6845	1.191	.3334	.4906	2.524	.7168	2.471	29.21
#1	.0071	.0097	25.74	5.714	5.354	6.157	.0023	24.06	.0154	.0037
#2	.0074	.0097	25.49	5.619	5.379	6.200	.0024	23.82	.0149	.0057

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0025	.0288	.0005	.0018	14.57	-.0005	.3161	.4537	-.0025	.0119
Stddev	.0019	.0032	.0008	.0001	.03	.0001	.0022	.0036	.0004	.0002
%RSD	76.23	11.14	149.5	8.358	.1713	24.10	.6944	.7896	17.45	1.532
#1	-.0012	.0310	.0011	.0017	14.55	-.0004	.3176	.4563	-.0028	.0117
#2	-.0039	.0265	.0000	.0019	14.59	-.0006	.3145	.4512	-.0022	.0120

Elem	W_2397	Zn2062	Zr3391
Avg	-.0096	.1194	-.0013
Stddev	.0046	.0005	.0003
%RSD	47.82	.4001	20.38
#1	-.0129	.1190	-.0011
#2	-.0064	.1197	-.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1729.7	43368.	16771.
Stddev	7.8	76.	48.
%RSD	.45267	.17524	.28768
#1	1735.2	43314.	16737.
#2	1724.1	43422.	16805.

Zoom In Zoom Out

Sample Name: MC23596-1F Acquired: 8/20/2013 19:12:29 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	.0540	-.0012	-.0024	.0454	.0492	.0001	4.870	.0002	.0010
Stddev	.0007	.0080	.0021	.0004	.0001	.0001	.0000	.018	.0000	.0002
%RSD	129.0	14.86	175.3	15.18	.2950	.1846	33.14	.3603	10.02	15.74
#1	.0010	.0483	-.0027	-.0021	.0453	.0491	.0001	4.882	.0002	.0012
#2	.0000	.0597	.0003	-.0026	.0455	.0493	.0001	4.857	.0002	.0009

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	-.0004	1.335	7.276	.9969	.3096	.0003	91.08	.0020	.0006
Stddev	.0000	.0008	.012	.050	.0016	.0007	.0001	.19	.0001	.0006
%RSD	63.15	170.5	.9012	.6856	.1561	.2146	32.20	.2049	2.797	98.73
#1	-.0001	-.0010	1.343	7.311	.9980	.3101	.0004	90.95	.0019	.0002
#2	.0000	.0001	1.326	7.240	.9958	.3091	.0003	91.21	.0020	.0010

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0003	-.0016	.0002	.0010	3.153	.0000	.0346	.0089	-.0041	.0005
Stddev	.0002	.0084	.0002	.0010	.009	.0001	.0001	.0001	.0001	.0010
%RSD	59.91	538.8	66.98	102.0	.2784	2557.	.3697	1.533	3.017	181.6
#1	.0002	.0044	.0003	.0003	3.159	.0000	.0347	.0088	-.0042	.0012
#2	.0004	-.0075	.0001	.0016	3.147	.0000	.0346	.0090	-.0041	-.0001

Elem	W_2397	Zn2062	Zr3391
Avg	-.0020	.1212	-.0004
Stddev	.0059	.0002	.0001
%RSD	290.0	.1324	33.49
#1	-.0062	.1211	-.0005
#2	.0021	.1213	-.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1730.3	43619.	16595.
Stddev	9.0	261.	20.
%RSD	.51858	.59904	.11806
#1	1724.0	43434.	16581.
#2	1736.7	43804.	16609.

Zoom In ▶ Zoom Out

Sample Name: MC23596-2F Acquired: 8/20/2013 19:16:48 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0010	.1187	.0009	-.0017	.0183	.0246	.0001	3.514	.0003	.0001
Stddev	.0002	.0013	.0002	.0003	.0001	.0000	.0000	.018	.0001	.0000
%RSD	16.46	1.128	17.18	18.30	.7333	.1707	17.19	.5150	26.38	3.150
#1	.0011	.1178	.0010	-.0015	.0182	.0246	.0001	3.502	.0003	.0001
#2	.0009	.1197	.0008	-.0019	.0184	.0245	.0001	3.527	.0004	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0014	.0015	4.627	1.762	.7711	.2037	.0019	31.06	.0013	.0006
Stddev	.0004	.0002	.021	.051	.0172	.0001	.0000	.06	.0001	.0002
%RSD	32.61	9.913	.4625	2.913	2.232	.0419	.4847	.1872	9.320	39.24
#1	.0017	.0016	4.612	1.799	.7589	.2036	.0019	31.10	.0013	.0004
#2	.0011	.0014	4.642	1.726	.7833	.2037	.0019	31.02	.0012	.0007

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0004	.0063	.0000	.0013	2.269	-.0001	.0228	.0053	-.0034	.0010
Stddev	.0018	.0026	.0005	.0003	.005	.0001	.0001	.0005	.0017	.0000
%RSD	489.2	41.72	1483.	24.02	.2292	36.36	.4043	8.604	48.93	4.608
#1	-.0017	.0045	-.0003	.0011	2.266	-.0002	.0227	.0056	-.0022	.0010
#2	.0009	.0082	.0004	.0016	2.273	-.0001	.0229	.0049	-.0046	.0010

Elem	W_2397	Zn2062	Zr3391
Avg	-.0020	.0140	-.0001
Stddev	.0054	.0002	.0002
%RSD	267.4	1.587	144.1
#1	-.0059	.0139	-.0002
#2	.0018	.0142	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1728.6	43676.	16652.
Stddev	3.9	85.	104.
%RSD	.22480	.19566	.62178
#1	1731.3	43616.	16579.
#2	1725.8	43737.	16725.

Zoom In ▶ Zoom Out

Sample Name: MC23596-3F Acquired: 8/20/2013 19:21:07 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0006	.0156	.0004	-.0035	.0753	.1546	-.0001	14.13	.0004	-.0002
Stddev	.0009	.0027	.0003	.0005	.0004	.0001	.0000	.01	.0000	.0001
%RSD	141.1	17.51	76.44	14.52	.5228	.0773	7.026	.0610	1.788	38.26
#1	.0013	.0137	.0006	-.0039	.0751	.1545	-.0001	14.14	.0004	-.0001
#2	.0000	.0176	.0002	-.0032	.0756	.1547	-.0001	14.12	.0004	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	-.0005	5.034	8.682	2.083	1.777	-.0001	106.1	.0005	.0003
Stddev	.000	.0006	.024	.054	.011	.002	.0003	.1	.0006	.0004
%RSD	315.2	115.5	.4779	.6182	.5295	.0898	510.1	.0751	125.7	162.6
#1	.0000	-.0009	5.051	8.720	2.091	1.776	-.0003	106.1	.0001	.0000
#2	-.0001	-.0001	5.017	8.644	2.075	1.778	.0002	106.0	.0009	.0006

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0024	.0124	.0009	.0005	3.563	-.0001	.0750	.0001	-.0044	.0000
Stddev	.0003	.0032	.0002	.0006	.006	.0001	.0006	.0001	.0017	.0005
%RSD	11.02	25.78	26.89	127.3	.1700	60.60	.8349	43.68	37.82	5038.
#1	-.0026	.0147	.0007	.0009	3.559	-.0002	.0754	.0002	-.0032	.0004
#2	-.0023	.0102	.0010	.0000	3.567	-.0001	.0745	.0001	-.0056	-.0004

Elem	W_2397	Zn2062	Zr3391
Avg	-.0093	.0284	-.0005
Stddev	.0040	.0001	.0000
%RSD	42.60	.1772	3.768
#1	-.0122	.0285	-.0005
#2	-.0065	.0284	-.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1715.5	42861.	16245.
Stddev	3.0	383.	22.
%RSD	.17334	.89273	.13294
#1	1713.4	43132.	16230.
#2	1717.6	42591.	16260.

Zoom In ▶ Zoom Out

Sample Name: MC23599-1F Acquired: 8/20/2013 19:25:25 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	.0600	.0022	-.0017	.0864	.1175	-.0001	17.42	.0007	.0024
Stddev	.0002	.0068	.0015	.0012	.0001	.0022	.0000	.29	.0000	.0002
%RSD	445.2	11.40	65.17	70.14	.1199	1.899	10.28	1.671	4.161	9.972
#1	.0002	.0648	.0012	-.0008	.0863	.1159	-.0001	17.21	.0007	.0026
#2	-.0001	.0551	.0033	-.0025	.0864	.1191	.0000	17.62	.0008	.0022

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0011	.0048	2.439	3.594	1.375	.2515	.0012	3.786	.0080	.0094
Stddev	.0003	.0013	.055	.096	.039	.0090	.0002	.047	.0001	.0010
%RSD	26.71	26.23	2.236	2.683	2.809	3.595	14.39	1.239	1.709	11.14
#1	.0009	.0057	2.401	3.526	1.348	.2579	.0011	3.753	.0079	.0102
#2	.0013	.0039	2.478	3.662	1.402	.2451	.0013	3.819	.0081	.0087

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0008	.0074	.0020	.0009	5.038	.0014	.0819	.0014	-.0030	.0024
Stddev	.0009	.0021	.0003	.0012	.008	.0006	.0016	.0004	.0001	.0008
%RSD	115.4	28.27	14.31	129.9	.1558	38.46	1.964	26.14	4.287	33.70
#1	.0001	.0089	.0022	.0001	5.043	.0010	.0807	.0011	-.0031	.0030
#2	.0014	.0059	.0018	.0017	5.032	.0018	.0830	.0016	-.0029	.0019

Elem	W_2397	Zn2062	Zr3391
Avg	-.0069	.0324	-.0010
Stddev	.0006	.0001	.0004
%RSD	8.781	.2366	43.49
#1	-.0065	.0325	-.0013
#2	-.0074	.0324	-.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1716.8	44207.	16397.
Stddev	1.3	1287.	292.
%RSD	.07443	2.9108	1.7811
#1	1715.9	43297.	16603.
#2	1717.7	45117.	16190.

Zoom In ▶ Zoom Out

Sample Name: MC23609-2F Acquired: 8/20/2013 19:29:45 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0007	1.157	.0004	-.0010	.0163	.0378	.0000	131.2	.0001	.0001
Stddev	.0004	.009	.0009	.0004	.0001	.0001	.000	.3	.0000	.0001
%RSD	54.72	.7435	214.8	43.13	.8958	.2077	73.74	.2195	30.23	83.75
#1	.0005	1.151	-.0002	-.0007	.0162	.0379	-.0001	131.4	.0001	.0000
#2	.0010	1.163	.0011	-.0013	.0164	.0378	.0000	131.0	.0001	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0004	.0149	.0281	22.47	.0387	.0005	.0063	23.91	.0069	-.0007
Stddev	.0002	.0001	.0014	.06	.0054	.0000	.0002	.10	.0002	.0005
%RSD	65.63	.9716	4.887	.2665	13.95	1.837	3.316	.4062	2.315	71.49
#1	.0005	.0150	.0271	22.52	.0426	.0005	.0062	23.98	.0070	-.0004
#2	.0002	.0148	.0291	22.43	.0349	.0005	.0065	23.84	.0068	-.0011

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0080	-.0014	.0013	.0014	2.005	-.0001	.9159	.0010	-.0029	.0017
Stddev	.0002	.0036	.0004	.0003	.000	.0004	.0034	.0002	.0004	.0000
%RSD	2.088	257.8	27.88	20.91	.0216	792.1	.3700	19.83	12.85	.7037
#1	-.0081	.0012	.0016	.0017	2.005	.0003	.9183	.0012	-.0026	.0017
#2	-.0078	-.0039	.0011	.0012	2.004	-.0004	.9135	.0009	-.0031	.0017

Elem	W_2397	Zn2062	Zr3391
Avg	-.0063	.0111	-.0003
Stddev	.0052	.0001	.0001
%RSD	81.96	1.219	27.12
#1	-.0099	.0110	-.0004
#2	-.0026	.0112	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1683.9	42960.	16309.
Stddev	.5	254.	104.
%RSD	.03163	.59050	.63651
#1	1683.5	43140.	16382.
#2	1684.3	42781.	16235.

Zoom In Zoom Out

Sample Name: CRI Acquired: 8/20/2013 19:34:05 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0057	.2038	.0039	-.0010	.0980	.0511	.0042	5.167	.0043	.0533
Stddev	.0007	.0157	.0010	.0001	.0004	.0002	.0000	.026	.0001	.0004
%RSD	11.91	7.700	25.35	11.95	.3859	.3547	.4923	.5066	2.848	.7573
#1	.0053	.1927	.0045	-.0011	.0978	.0512	.0042	5.185	.0043	.0530
#2	.0062	.2149	.0032	-.0010	.0983	.0509	.0042	5.148	.0044	.0536

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0102	.0239	.1115	5.299	5.151	.0158	.1020	5.185	.0410	.0052
Stddev	.0002	.0005	.0005	.045	.029	.0003	.0008	.011	.0003	.0019
%RSD	2.128	2.206	.4806	.8413	.5620	1.678	.7440	.2207	.8043	35.78
#1	.0103	.0235	.1111	5.331	5.172	.0156	.1015	5.193	.0408	.0039
#2	.0100	.0242	.1118	5.268	5.131	.0159	.1025	5.177	.0413	.0066

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0008	-.0012	.0063	.0105	-.0480	.1013	.0105	.0520	.0044	.0100
Stddev	.0007	.0135	.0002	.0005	.0003	.0002	.0000	.0005	.0008	.0001
%RSD	96.36	1164.	3.051	5.116	.6210	.1881	.3652	.8752	18.93	.8248
#1	.0002	-.0107	.0064	.0101	-.0483	.1012	.0104	.0523	.0049	.0101
#2	.0013	.0084	.0061	.0109	-.0478	.1014	.0105	.0517	.0038	.0100

Elem	W_2397	Zn2062	Zr3391
Avg	-.0141	.0210	.0001
Stddev	.0062	.0001	.0005
%RSD	43.78	.2448	641.2
#1	-.0097	.0210	-.0003
#2	-.0184	.0211	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1711.5	42732.	16217.
Stddev	2.1	246.	176.
%RSD	.12168	.57484	1.0826
#1	1710.0	42905.	16093.
#2	1712.9	42558.	16341.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 8/20/2013 19:38:23 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	541.0	-.0006	-.0028	-.0002	-.0008	.0001	465.8	.0005	.0020
Stddev	.0005	4.4	.0001	.0003	.0007	.0000	.0000	.9	.0001	.0004
%RSD	74.50	.8090	26.45	8.946	349.3	4.384	8.335	.1831	11.72	18.69
#1	-.0011	537.9	-.0005	-.0027	.0003	-.0008	.0001	466.4	.0005	.0018
#2	-.0003	544.1	-.0007	-.0030	-.0007	-.0008	.0001	465.2	.0005	.0023

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0009	190.7	.0772	503.6	-.0003	-.0011	.1557	.0005	.0024
Stddev	.0007	.0009	.6	.0069	.4	.0000	.0006	.0082	.0001	.0011
%RSD	397.7	100.4	.3022	8.896	.0823	16.38	52.91	5.242	29.37	43.48
#1	.0003	.0002	191.1	.0821	503.9	-.0002	-.0007	.1615	.0004	.0032
#2	-.0007	.0015	190.2	.0723	503.3	-.0003	-.0015	.1500	.0006	.0017

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0386	-.0215	.0004	-.0004	-.0190	-.0003	.0012	.0098	.0007	.0002
Stddev	.0009	.0002	.0002	.0015	.0005	.0002	.0001	.0005	.0011	.0001
%RSD	2.331	.7692	59.55	341.6	2.688	60.50	6.718	5.180	164.7	66.09
#1	-.0380	-.0214	.0002	.0006	-.0194	-.0002	.0012	.0101	-.0001	.0001
#2	-.0393	-.0216	.0006	-.0015	-.0187	-.0004	.0011	.0094	.0015	.0003

Elem	W_2397	Zn2062	Zr3391
Avg	-.0405	-.0007	.0013
Stddev	.0150	.0002	.0005
%RSD	37.07	33.52	35.09
#1	-.0511	-.0009	.0010
#2	-.0299	-.0006	.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1548.1	39895.	15988.
Stddev	.2	237.	74.
%RSD	.01592	.59436	.46417
#1	1547.9	39727.	15935.
#2	1548.2	40063.	16040.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 8/20/2013 19:42:56 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.087	540.6	2.113	.5011	1.060	.5063	.4711	472.0	1.075	.5169
Stddev	.002	2.6	.001	.0007	.002	.0013	.0002	6.1	.003	.0008
%RSD	.2090	.4762	.0392	.1489	.2069	.2609	.0428	1.298	.2767	.1552
#1	1.085	538.8	2.112	.5006	1.058	.5054	.4710	467.7	1.077	.5175
#2	1.088	542.4	2.113	.5017	1.061	.5073	.4713	476.3	1.072	.5163

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5068	.5409	190.6	.0796	503.7	.5076	1.015	.1446	.9435	.9761
Stddev	.0009	.0016	.9	.0362	1.6	.0008	.000	.0040	.0009	.0026
%RSD	.1813	.2934	.4608	45.44	.3157	.1626	.0430	2.773	.0949	.2668
#1	.5075	.5398	191.2	.0540	502.6	.5082	1.016	.1474	.9441	.9780
#2	.5062	.5420	190.0	.1052	504.8	.5070	1.015	.1417	.9428	.9743

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.5126	.4850	2.153	2.079	1.500	1.048	.9898	.5316	2.069	.5267
Stddev	.0029	.0152	.005	.001	.006	.001	.0021	.0071	.002	.0084
%RSD	.5609	3.137	.2296	.0329	.3991	.1213	.2151	1.333	.0732	1.587
#1	.5106	.4743	2.156	2.079	1.504	1.049	.9913	.5266	2.070	.5207
#2	.5147	.4958	2.149	2.080	1.496	1.048	.9883	.5366	2.068	.5326

Elem	W_2397	Zn2062	Zr3391
Avg	2.216	.9613	.4355
Stddev	.021	.0014	.0025
%RSD	.9317	.1463	.5836
#1	2.202	.9623	.4337
#2	2.231	.9603	.4373

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1558.6	39749.	15783.
Stddev	4.7	264.	103.
%RSD	.30453	.66339	.65264
#1	1555.3	39562.	15856.
#2	1562.0	39935.	15710.

Zoom In Zoom Out

Sample Name: CCV Acquired: 8/20/2013 19:47:21 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2493	10.17	2.012	-.0029	2.021	1.962	1.992	10.07	2.015	2.101
Stddev	.0002	.02	.002	.0007	.006	.004	.002	.01	.003	.003
%RSD	.0732	.2103	.0834	23.93	.2787	.2112	.1120	.1353	.1338	.1636
#1	.2492	10.16	2.011	-.0024	2.025	1.959	1.990	10.06	2.017	2.104
#2	.2494	10.19	2.014	-.0033	2.017	1.965	1.993	10.08	2.014	2.099

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.991	1.962	10.21	9.882	9.908	2.001	2.010	10.17	1.992	1.982
Stddev	.003	.000	.01	.012	.084	.000	.001	.01	.002	.004
%RSD	.1250	.0028	.1457	.1255	.8438	.0118	.0697	.0761	.1209	.2107
#1	1.993	1.962	10.20	9.874	9.849	2.001	2.011	10.18	1.994	1.984
#2	1.989	1.962	10.22	9.891	9.967	2.001	2.009	10.17	1.990	1.979

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0008	.0064	2.017	2.010	1.159	2.020	1.995	1.986	2.012	1.990
Stddev	.0001	.0024	.000	.001	.002	.001	.001	.001	.003	.002
%RSD	14.79	37.03	.0055	.0372	.1753	.0580	.0634	.0545	.1613	.0957
#1	-.0007	.0081	2.017	2.010	1.158	2.021	1.995	1.987	2.015	1.989
#2	-.0009	.0047	2.017	2.009	1.160	2.019	1.994	1.986	2.010	1.992

Elem	W_2397	Zn2062	Zr3391
Avg	.0161	1.998	.0100
Stddev	.0232	.003	.0026
%RSD	144.0	.1499	26.20
#1	.0325	2.000	.0119
#2	-.0003	1.996	.0082

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1694.6	42399.	16446.
Stddev	2.8	11.	13.
%RSD	.16766	.02578	.08095
#1	1692.6	42407.	16456.
#2	1696.6	42391.	16437.

Zoom In Zoom Out

Sample Name: CCB Acquired: 8/20/2013 19:51:32 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0008	-.0017	.0015	-.0008	F.0217	.0004	.0001	.0075	.0003
Stddev	.0010	.0078	.0015	.0006	.0005	.0000	.0000	.0007	.0000
%RSD	130.1	458.3	99.10	75.00	2.100	9.810	41.43	9.055	8.119
#1	.0001	.0038	.0004	-.0004	.0220	.0004	.0001	.0071	.0003
#2	.0015	-.0072	.0025	-.0013	.0214	.0004	.0001	.0080	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0003	-.0002	-.0002	.0013	.0566	-.0088	.0001	.0027	.0461
Stddev	.0001	.0004	.0027	.0006	.0018	.0025	.0000	.0006	.0001
%RSD	54.76	254.9	1340.	51.58	3.199	28.21	42.68	23.70	.2276
#1	.0002	.0001	.0017	.0017	.0579	-.0105	.0001	.0031	.0460
#2	.0004	-.0004	-.0021	.0008	.0553	-.0070	.0001	.0022	.0461

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0003	.0011	.0006	.0002	.0000	.0012	1.047	.0000	.0002
Stddev	.0002	.0003	.0033	.0067	.0003	.0000	.005	.000	.0001
%RSD	52.74	26.20	515.3	3354.	1784.	2.605	.5258	56.44	36.72
#1	.0004	.0013	.0030	-.0045	.0002	.0012	1.050	.0000	.0001
#2	.0002	.0009	-.0017	.0049	-.0002	.0012	1.043	.0000	.0002

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0001	.0010	.0002	.0021	-.0001	.0002
Stddev	.0006	.0007	.0006	.0068	.0002	.0003
%RSD	621.6	72.57	238.7	323.1	178.1	119.7
#1	.0005	.0005	.0007	-.0027	.0000	.0004
#2	-.0003	.0015	-.0002	.0069	-.0002	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1717.0	41897.	16383.
Stddev	5.5	2192.	231.
%RSD	.31882	5.2313	1.4119
#1	1713.1	40347.	16547.
#2	1720.8	43447.	16220.

Zoom In Zoom Out

Sample Name: MC22811-1UND Acquired: 8/20/2013 20:00:15 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0012	.1478	.0040	.0001	.2802	.2549	.0000	175.8	-.0004	.0009
Stddev	.0012	.0160	.0011	.0001	.0003	.0003	.000	2.7	.0001	.0001
%RSD	98.64	10.85	26.72	136.9	.1189	.1054	6.535	1.527	13.23	13.28
#1	.0020	.1365	.0048	.0001	.2799	.2551	.0000	177.7	-.0005	.0010
#2	.0004	.1591	.0033	.0000	.2804	.2547	.0000	173.9	-.0004	.0008

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0017	-.0003	19.81	4.353	58.13	.7731	-.0002	57.47	.0034	.0003
Stddev	.0002	.0005	.04	.045	.02	.0032	.0001	.05	.0004	.0006
%RSD	8.778	142.4	.1872	1.034	.0302	.4182	40.92	.0811	10.67	186.0
#1	.0019	-.0006	19.78	4.385	58.14	.7754	-.0002	57.50	.0031	-.0001
#2	.0016	.0000	19.83	4.322	58.12	.7708	-.0001	57.44	.0036	.0008

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0109	.0024	-.0038	.0014	12.62	.0020	.2644	.0104	.0078	.0004
Stddev	.0004	.0011	.0007	.0003	.02	.0006	.0003	.0020	.0012	.0002
%RSD	3.842	45.18	19.63	17.60	.1473	30.27	.1300	18.81	15.43	48.36
#1	-.0112	.0032	-.0043	.0016	12.63	.0025	.2641	.0090	.0070	.0005
#2	-.0106	.0016	-.0032	.0013	12.61	.0016	.2646	.0118	.0087	.0003

Elem	W_2397	Zn2062	Zr3391
Avg	-.0061	.0176	-.0006
Stddev	.0103	.0001	.0000
%RSD	169.2	.3126	1.108
#1	.0012	.0176	-.0006
#2	-.0134	.0177	-.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1716.4	43685.	16542.
Stddev	3.1	275.	34.
%RSD	.18031	.63048	.20612
#1	1718.6	43490.	16518.
#2	1714.2	43880.	16566.

Zoom In Zoom Out

Sample Name: MC22811-1FUND Acquired: 8/20/2013 20:04:38 Type: Unk
Method: Accutest -SS2(v31) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0012	-.0013	.0036	-.0010	.2810	.2610	-.0001	171.3	-.0004	.0006
Stddev	.0010	.0032	.0004	.0008	.0001	.0005	.0000	3.3	.0000	.0001
%RSD	80.90	251.1	10.18	76.30	.0446	.1976	3.828	1.900	2.593	15.11
#1	.0005	.0010	.0034	-.0015	.2811	.2613	-.0001	173.6	-.0004	.0007
#2	.0019	-.0036	.0039	-.0005	.2809	.2606	-.0001	169.0	-.0004	.0006

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0006	12.73	4.214	58.67	.7964	.0000	55.79	.0024	.0014
Stddev	.0008	.0013	.00	.045	.19	.0002	.0000	.23	.0001	.0000
%RSD	470.9	238.3	.0150	1.063	.3282	.0237	52.84	.4122	3.009	3.215
#1	.0007	-.0004	12.73	4.246	58.80	.7962	.0000	55.95	.0024	.0014
#2	-.0004	.0015	12.73	4.183	58.53	.7965	.0000	55.62	.0023	.0013

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0097	-.0034	-.0038	.0028	12.44	.0031	.2706	.0028	.0056	.0000
Stddev	.0010	.0015	.0002	.0010	.01	.0006	.0008	.0001	.0009	.000
%RSD	10.29	44.21	5.591	37.50	.1028	18.80	.3066	2.381	15.34	4058.
#1	-.0090	-.0023	-.0040	.0035	12.45	.0027	.2712	.0028	.0050	-.0002
#2	-.0104	-.0045	-.0037	.0020	12.43	.0036	.2700	.0028	.0062	.0001

Elem	W_2397	Zn2062	Zr3391
Avg	-.0020	.0147	-.0007
Stddev	.0015	.0002	.0000
%RSD	74.60	1.177	1.334
#1	-.0009	.0148	-.0007
#2	-.0030	.0146	-.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1723.1	43898.	16526.
Stddev	.3	99.	97.
%RSD	.01558	.22632	.58934
#1	1722.9	43827.	16457.
#2	1723.3	43968.	16595.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	0.000199	0.000000	No
			Co	0.000139	0.000000	No
			Mn	0.000216	0.000000	No
			Mo	0.000031	0.000000	No
			Cu	0.000019	0.000000	No
			Ti	0.000004	0.000000	No
			Al	0.000002	0.000000	No
			Zr	0.003788	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.000037	0.000000	No
			Mo	0.043948	0.000000	No
			Ca	0.000104	0.000000	No
As 189.042 {479}	☒	9	V	-0.000054	0.000000	No
			Al	0.000020	0.000000	No
			Mo	0.000916	0.000000	No
			Fe	-0.000002	0.000000	No
			Mn	0.000074	0.000000	No
			Ca	0.000004	0.000000	No
			Mg	0.000002	0.000000	No
			Cr	0.000103	0.000000	No
			Na	-0.000000	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000122	0.000000	No
			Mn	0.010681	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.035323	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000005	0.000000	No
Be 313.042 {108}	☒	3	V	0.000543	0.000000	No
			Mo	-0.000032	0.000000	No
			Ti	-0.000279	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	5	Ni	-0.000027	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000011	0.000000	No
			Ca	0.000001	0.000000	No
			Pt	-0.011956	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000043	0.000000	No
			Mo	-0.000136	0.000000	No
			Ti	0.002131	0.000000	No
			Ca	-0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000004	0.000000	No
			Mn	0.000091	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000091	0.000000	No
			V	-0.000207	0.000000	No
			Mo	0.000402	0.000000	No
			Co	-0.000350	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000483	0.000000	No
			Co	0.000765	0.000000	No
			Cr	0.002515	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000008	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000129	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Al	0.000546	0.000000	No
Ni 231.604 {446}	☒	3	Mo	-0.000042	0.000000	No
			Fe	0.000011	0.000000	No
			Ca	-0.000001	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000077	0.000000	No
			Mn	0.000174	0.000000	No
			Mo	-0.001616	0.000000	No
			Co	-0.000020	0.000000	No
			Cu	0.000290	0.000000	No
			Ca	-0.000005	0.000000	No
			Fe	0.000032	0.000000	No
			Mg	0.000002	0.000000	No
			Ni	0.000207	0.000000	No
			Si	0.000228	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000351	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.007692	0.000000	No
			Ni	0.000902	0.000000	No
			Mn	-0.007038	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
Sb 206.833 {463}	☒	12	Al	-0.000003	0.000000	No
			Fe	0.000005	0.000000	No
			Cr	0.009724	0.000000	No
			Mo	-0.000202	0.000000	No
			Mg	0.000000	0.000000	No
			Ni	-0.000333	0.000000	No
			V	-0.001779	0.000000	No
			Ca	0.000002	0.000000	No
			Ti	-0.000435	0.000000	No
			Cu	0.000055	0.000000	No
			Sn	-0.007401	0.000000	No
			Pt	-0.002057	0.000000	No
Se 196.090 {472}	☒	8	Al	-0.000006	0.000000	No
			Fe	-0.000202	0.000000	No
			Mn	0.000387	0.000000	No
			Mo	0.000059	0.000000	No
			Ca	-0.000002	0.000000	No
			Na	0.000000	0.000000	No
			Co	-0.000580	0.000000	No
			Pd	-0.003371	0.000000	No
Si 212.412 {459}	☒	3	V	0.027489	0.000000	No
			Ti	0.015670	0.000000	No
			Mo	0.031283	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.000909	0.000000	No
			Cr	0.000192	0.000000	No
			V	-0.026918	0.000000	No
			Co	0.001579	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Al	-0.000003	0.000000	No
				Fe	0.000007	0.000000	No
				Ti	-0.001473	0.000000	No
				Mo	0.000149	0.000000	No
				Ca	-0.000000	0.000000	No
				Na	0.000006	0.000000	No
	V 292.402 {115}	☒	3	Ti	0.000455	0.000000	No
				Mo	-0.000818	0.000000	No
				Fe	0.000018	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000106	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000013	0.000000	No
				Mn	-0.000026	0.000000	No
				Ni	0.000026	0.000000	No
				Cr	-0.000478	0.000000	No
				Mo	0.000147	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000003	0.000000	No
				Na	0.000000	0.000000	No
	Zr 339.198 { 99}	☒	6	Si	0.000182	0.000000	No
				Ti	0.000195	0.000000	No
				Fe	0.000024	0.000000	No
				Sn	0.002296	0.000000	No
				Au	0.002269	0.000000	No
				Ba	0.000845	0.000000	No

Prep QC: MP21521

ACCUTEST

Date:	08/19/13
Time	11:25

Name:	ERICM1
MP Batch ID:	MP21521
QC Sample ID:	MC23518-1

Reagent Lot #	
1:1 HNO3	RGT-36995-METALS
1:1 HCL	RGT-36994-METALS
Conc HNO3	VENDOR-13668
H2O2	VENDOR-13654
LCS	VENDOR-13657
Filter Paper Lot #	11104171
Digetion Tube Lot #	MM01LKK0 ; MH21KK06

Aqueous EPA 200.7/ 200.8	○
Aqueous SW846 3010A	○
Soil- SW846 3050B	◉

ML Used	Spike Lot#
1	RGT-37039-METALS
1	RGT-36908-METALS
1	RGT-36999-METALS
1	RGT-37000-METALS
Spike ID	MPICP

Dig Block ID:	5	Therm ID	QA010	Temp. C	97	Factor	-1.5	Corrected Temp C	95.5
Dig Block ID:		Therm ID		Temp. C		Factor		Corrected Temp C	
Balance ID:	ACC-3	Repipetor ID	3						

Note: (A)Serial dilution shown for QC purposes only (not a seperate digestion). (B) For DW samples <1NTU, measure pH prior to analysis.

Bot#	Sample #	Initial G	Final (ML)			1:1 HNO3 (ML)	Conc. HNO3 (ML)	1:1 HCL (ML)	H2O2 (ML)	Comment
	MP21521-LC1	1	100			10	5	10	3	
	MP21521-MB1	1	100			10	5	10	3	
	MP21521-B1	1	100			10	5	10	3	
1	MP21521-S1	1.17	100			10	5	10	3	
1	MP21521-SD1	1.18	100			10	5	10	3	
	MP21521-B2	1	100			10	5	10	3	
1	MP21521-S2	1.17	100			10	5	10	3	
1	MC23518-1	1.18	100			10	5	10	3	
1	MC23582-1	1.16	100			10	5	10	3	
1	MC23582-2	1.17	100			10	5	10	3	
1	MC23582-3	1.18	100			10	5	10	3	
1	MC23582-4	1.17	100			10	5	10	3	
1	MC23582-5	1.18	100			10	5	10	3	
1	MC23591-1	1.35	100			10	5	10	3	
1	MC23593-1	1.24	100			10	5	10	3	
1	MC23593-2	1.23	100			10	5	10	3	
1	MC23594-1	1.23	100			10	5	10	3	
2	MC23602-1	1.26	100			10	5	10	3	
2	MC23602-2	1.22	100			10	5	10	3	
2	MC23602-3	1.22	100			10	5	10	3	
2	MC23602-4	1.28	100			10	5	10	3	
1	MC23630-1	1.27	100			10	5	10	3	

Protected Worksheet MMP003-02 QC Review EAL Date: 08/21/13

(Format edits must be done by dept. Manager)

11.3.1 11

HG SO: SW846 7471B

AQ ○ SO ◉ **Analysis: Hg**

Protected Worksheet
Format edits must be done by Dept. Manager

MP#	MP21523	Date	8/20/13	Balance ID	ACC-3	Pipet ID	N/A	Prep Analyst	EM				
Dig Block ID	5	Therm ID	QA010	Temp	97	Factor	-1.5	Corr. Temp. Deg C	95.5	Start Time	8:50	End Time	9:20
Dig Block ID	3	Therm ID	GN015	Temp	96	Factor	-2	Corr. Temp. Deg C	94	Start Time	9:43	End Time	10:13
MA#	MA16001	Date	8/20/13	Run File	H1082013S1.PRN			Calib File	1082013S			Analyst	EM

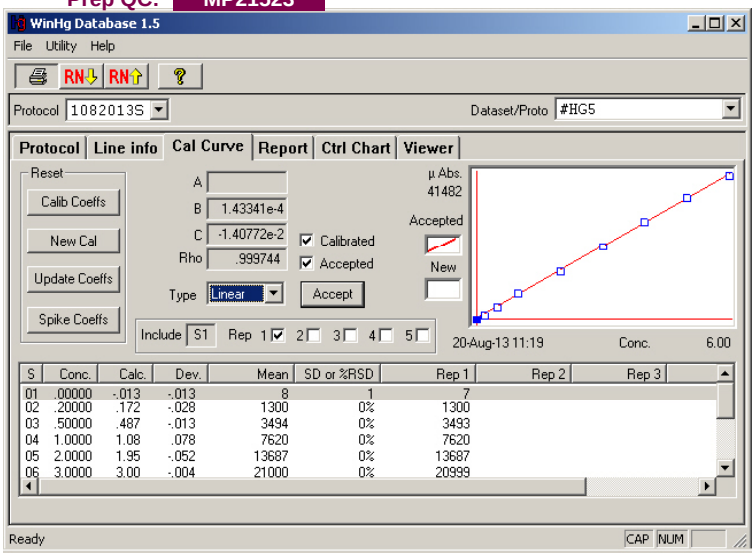
Bot#	Sample ID	Init G	Fin ML	Block ID	Comments	Bot#	Sample ID	Init G	Fin ML	Block ID	Comments
	RB		100	3		1	MC23582-3	0.64	100	5	
	STD#1		100	3	2 ml of METSTD 30944 Hg- 2	1	MC23582-4	0.65	100	5	
	STD#2		100	3	5 ml of METSTD 30944 Hg- 2	1	MC23582-5	0.65	100	5	
	STD#3		100	3	1 ml of METSTD 30944 Hg- 1	1	MC23593-1	0.63	100	5	
	STD#4		100	3	2 ml of METSTD 30944 Hg- 1	1	MC23593-2	0.63	100	5	
	STD#5		100	3	3 ml of METSTD 30944 Hg- 1	1	MC23594-1	0.66	100	5	
	STD#6		100	3	4 ml of METSTD 30944 Hg- 1	1	MC23602-1	0.66	100	5	
	STD#7		100	3	5 ml of METSTD 30944 Hg- 1	1	MC23602-2	0.66	100	5	
	STD#8		100	3	6 ml of METSTD 30944 Hg- 1	1	MC23602-3	0.69	100	5	
	ICV		100	3	4 ml of METSTD 30945 Hg- 1	1	MC23602-4	0.78	100	5	
	CCV		100	3	3 ml of METSTD 30944 Hg- 1	1	MC23630-1	0.63	100	5	
	CRI		100	3	2 ml of METSTD 30944 Hg- 2		MP21523-LC1	0.6	100	5	VENDOR-13657
	ICB		100	3							
	CCB		100	3							
*	MB	0.6	100	3							
*	SB	0.6	100	3	3 ml of METSTD 30944 Hg- 1						
*	SBD	0.6	100	3	3 ml of METSTD 30944 Hg- 1						
1	MS MC23518-1	0.66	100	5	3 ml of METSTD 30944 Hg- 1						
1	MSD MC23518-1	0.66	100	5	3 ml of METSTD 30944 Hg- 1						
1	MC23518-1	0.65	100	5							
1	MC23582-1	0.64	100	5							
1	MC23582-2	0.66	100	5							

Reagent Lot#

Pot. Permanganate	RGT- 36842 _HG	Stannous Chloride	RGT- 37065 _HG	Conc. HNO3	Vendor- ***N/A***
Aqua Regia	RGT- 37064 _HG	Stannous Sulfate	RGT- ****N/A**** _HG	Conc. H2SO4	Vendor- ***N/A***
Hydroxylamine.SO4	RGT- 36980 _HG	Instrument ID:	HG-1	Dig.Tubes	MM01LKK0

Comment: * SAND USED : VENDOR-12599.

QC Review: PuiY **Date:** 8/20/13 **MMA015-02**


WinHg Database 1.5
File Utility Help
RN RN
Protocol 1082013S
Dataset/Proto #HG5
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 1.43341e-4
C -1.40772e-2
Rho .999744
Type Linear
Calibrated
Accepted
Accept
µ Abs.
41482
Accepted
New
Include S1 Rep 1 2 3 4 5
20-Aug-13 11:19
Conc. 6.00
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 -.013 -.013 8 1 7
02 .20000 .172 -.028 1300 0% 1300
03 .50000 .487 -.013 3494 0% 3493
04 1.0000 1.08 .078 7620 0% 7620
05 2.0000 1.95 -.052 13687 0% 13687
06 3.0000 3.00 -.004 21000 0% 20999
Ready
CAP NUM

New England ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP16483/GN44028	0.12	0.0	mg/kg	1.2	1.28	106.7	90-110%
Cyanide	GP16483/GN44028			mg/kg	2.4	2.53	105.4	90-110%
Cyanide	GP16483/GN44028			mg/kg	60.7	60.7	100.0	16-110%

Associated Samples:
Batch GP16483: MC23630-1
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Cyanide	GP16483/GN44028	mg/kg	1.2	1.30	1.6	

Associated Samples:
Batch GP16483: MC23630-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP16483/GN44028	MC23593-2	mg/kg	0.0	0.0	0.0	0-20%
Solids, Percent	GN44022	MC23569-5	%	86	88.1	2.4	0-20%

Associated Samples:
Batch GN44022: MC23630-1, MC23630-2, MC23630-3
Batch GP16483: MC23630-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP16483/GN44028	MC23593-2	mg/kg	0.0	1.35	1.5	111.3	75-125%

Associated Samples:
Batch GP16483: MC23630-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: 081913S1.CN Date Analyzed: 08/19/13 Methods: SW846 9012 M
Analyst: MA Run ID: GN44028
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:21	GN44028-STD1	1		STDA0.50
12:22	GN44028-STD2	1		STDC0.30
12:23	GN44028-STD3	1		STDD0.20
12:24	GN44028-STD4	1		STDE0.10
12:25	GN44028-STD5	1		STDG0.030
12:26	GN44028-STD6	1		STDH0.010
12:27	GN44028-STD7	1		STDI0.00
12:30	GN44028-ICV1	1		
12:31	GN44028-ICB1	1		
12:32	GN44028-CCV1	1		
12:33	GN44028-CCB1	1		
12:34	GP16483-MB1	1		
12:36	GP16483-B1	1		
12:37	GP16483-B2	1		
12:38	GP16483-B3	1		
12:39	GP16483-LC1	20		
12:40	GP16483-S1	1		
12:41	GP16483-D1	1		
12:42	MC23593-2	1		(sample used for QC only; not part of login MC23630)
12:43	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:45	GN44028-CCV2	1		
12:46	GN44028-CCB2	1		
12:47	ZZZZZZ	1		
12:48	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:51	ZZZZZZ	1		
12:52	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:54	MC23630-1	1		
12:55	GN44028-CCV3	1		
12:56	GN44028-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: MC23630
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

File ID: 081913S1.CN Date Analyzed: 08/19/13 Methods: SW846 9012 M
Run ID: GN44028 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN44028-ICV1	Cyanide	0.21	0.010	0.0021	.2	105.0	90-110
GN44028-ICB1	Cyanide	-0.0073	0.010	0.0021			
GN44028-CCV1	Cyanide	0.31	0.010	0.0021	.3	103.3	90-110
GN44028-CCB1	Cyanide	-0.0070	0.010	0.0021			
GN44028-CCV2	Cyanide	0.31	0.010	0.0021	.3	103.3	90-110
GN44028-CCB2	Cyanide	-0.0071	0.010	0.0021			
GN44028-CCV3	Cyanide	0.31	0.010	0.0021	.3	103.3	90-110
GN44028-CCB3	Cyanide	-0.0085	0.010	0.0021			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: MC23630
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MC23630-1 **Analyzed:** 19-AUG-13 by HS **Method:** SM21 2540 B MOD.
ClientID: MW-04-6'

Wet Weight (Total)	32.233	g
Tare Weight	25.114	g
Dry Weight (Total)	31.218	g
Solids, Percent	85.7	%

Sample: MC23630-2 **Analyzed:** 19-AUG-13 by HS **Method:** SM21 2540 B MOD.
ClientID: MW-04-9.5'-10'

Wet Weight (Total)	35.54	g
Tare Weight	27.028	g
Dry Weight (Total)	34.41	g
Solids, Percent	86.7	%

Sample: MC23630-3 **Analyzed:** 19-AUG-13 by HS **Method:** SM21 2540 B MOD.
ClientID: SB-250-4'

Wet Weight (Total)	28.909	g
Tare Weight	21.226	g
Dry Weight (Total)	27.999	g
Solids, Percent	88.2	%

New England ACCUTEST LABORATORIES

General Chemistry

Raw Data

ACCUTEST

Protected Worksheet MGN117-02
(Format edits must be done by Dept. manager)

Analyst	MEHDIA	**Test/Analysis**	CN SW846 9012
Date	8/19/13	**Analysis Batch ID**	GN44028
Instrument ID	LACHAT	**Prep Batch ID**	GP16483
File ID	081913S1.CN		

Reagents

Calib STD	GNSTD-	30939-CN	**Buffer**	RGT-	37057-CN
ICV	GNSTD-	30935-CN-2	**Carrier**	RGT-	36280-CN
CCV	GNSTD-	30939-CN-4	**Chloramine-T**	RGT-	37056-CN
			Pyridine Barb. Acid	RGT-	36849-CN

Standardization

Reagent/Stock Std:		NA ◉	Cyanide ○		
-		-	-	-	
-					

Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH

COMMENTS

Cyanide stock standardization was performed on 08/16/13 (GN43997).

QC Review **Date:** 8/20/13

QC Reports: GN44028

Raw Data GN44028: Cyanide page 1 of 4

ACCUTEST

Distillation

Protected Worksheet MGN127-01

(Format edits must be done by Dept. manager)

Analyst:	MEHDIA	Date	8/19/13	Batch ID	GP16483	Matrix	Solids
QC Sample	MC23593-2	Balance ID	ACC-4	pH Meter ID	N/A	Block ID	MICRO

Analysis Type

CN EPA 335.4 ○	CN SW846 9010B ◉	CN-A SM21 4500CN-G/335.4 ○	CN-A SW846 9010 ○
PAC MADEP ○	CREAC Chap 7 ○	SREAC Chap7 ○	CNWAD SM20 4500CN-I ○

Sample ID	Bot #	ID	Interfere Chk CL	Interfere Chk S	Init. pH	SMPL Amt G	DIST Vol ML	Start Time	End Time	Comments/Spike
GP16483-LC1		N/A	ND	ND	>12	0.5	6	8:49	8:19	VENDOR-13516
GP16483-MB1	*	N/A	ND	ND	>12	0.5	6	8:49	8:19	
GP16483-B1	*	N/A	ND	ND	>12	0.5	6	8:49	8:19	0.10 ML OF SPIKE
GP16483-S1	2	N/A	ND	ND	>12	0.503	6	8:49	8:19	0.10 ML OF SPIKE
GP16483-D1	2	N/A	ND	ND	>12	0.509	6	8:49	8:19	
GP16483-B2	*	N/A	ND	ND	>12	0.5	6	8:49	8:19	0.10 ML OF SPIKE
GP16483-B3	*	N/A	ND	ND	>12	0.5	6	8:49	8:19	0.20 ML OF SPIKE
MC23490-1	1	N/A	ND	ND	>12	0.508	6	8:49	8:19	
MC23529-1	1	N/A	ND	ND	>12	0.511	6	8:49	8:19	
MC23529-2	1	N/A	ND	ND	>12	0.532	6	8:49	8:19	
MC23529-3	1	N/A	ND	ND	>12	0.555	6	8:49	8:19	
MC23529-4	1	N/A	ND	ND	>12	0.505	6	8:49	8:19	
MC23529-5	1	N/A	ND	ND	>12	0.527	6	8:49	8:19	
MC23550-1	1	N/A	ND	ND	>12	0.512	6	8:49	8:19	
MC23550-2	1	N/A	ND	ND	>12	0.502	6	8:49	8:19	
MC23593-1	2	N/A	ND	ND	>12	0.503	6	8:49	8:19	
MC23593-2	2	N/A	ND	ND	>12	0.517	6	8:49	8:19	
MC23630-1	1	N/A	ND	ND	>12	0.5	6	8:49	8:19	
ICV		N/A	ND	ND	>12	6 ML	6	8:49	8:19	0.20 ML OF ICV SPIKE

MA 8-19-13

Reagent Lot # (Refer to Indivdual SOP for amounts added)

Sulfamic Acid	VENDOR-5746	Spike Solution	GNSTD-30934-CN-2
Conc. H2SO4	VENDOR-13928	ICV Stock Solution	GNSTD-30935-CN-2
NaOH	RGT-36753-CN	0.25N NAOH	RGT-36280-CN
MgCl2.6H2O	RGT-35456-CN	N/A	
Bismuth Nitrate	N/A	N/A	

Comment: * USED SAND VENDOR-12599.

QC Review _____ Date 8/20/13

13.1 13

Author: chemistry

Date : 8/19/2013

Original Run Filename: OM_8-19-2013_12-20-34PM.OMN Created: 8/19/2013 12:20:34 PM
Original Run Author's Signature: [chemistry]
Current Run Filename: OM_8-19-2013_12-20-34PM.OMN Last Modified: 8/19/2013 12:58:55 PM
Current Run Author's Signature: [chemistry]
Description: Default New Run

Sample	Rep.	Channel 1 Cn (mg/L)	MDF
StdA0.50	1	0.500	
StdC0.30	1	0.300	
StdD0.20	1	0.200	
StdE0.10	1	0.100	
StdG0.030	1	0.0300	
StdH0.010	1	0.0100	
StdI0.00	1	0.00	
ICV	1	0.205	
Calibration:		Table/Fig. : 1	
ICB	1	-7.33e-3	
CCV	1	0.308	
CCB	1	-7.02e-3	
GP16483-MB1	1	-4.77e-3	
GP16483-B1	1	0.107	
GP16483-B2	1	0.108	
GP16483-B3	1	0.211	
GP16483-LC1	1	0.253	20.00
GP16483-S1	1	0.109	
GP16483-D1	1	1.72e-3	
MC23593-2	1	4.47e-4	
MC23490-1	1	3.19e-3	
MC23529-1	1	1.20e-4	
CCV	1	0.311	
CCB	1	-7.13e-3	
MC23529-2	1	-2.24e-3	
MC23529-3	1	-2.62e-3	
MC23529-4	1	-2.89e-3	
MC23529-5	1	-2.61e-3	
MC23550-1	1	3.33e-3	
MC23550-2	1	2.64e-3	
MC23593-1	1	0.0485	
MC23630-1	1	0.0163	
CCV	1	0.313	
CCB	1	-8.52e-3	

Table : 1 (Cn)

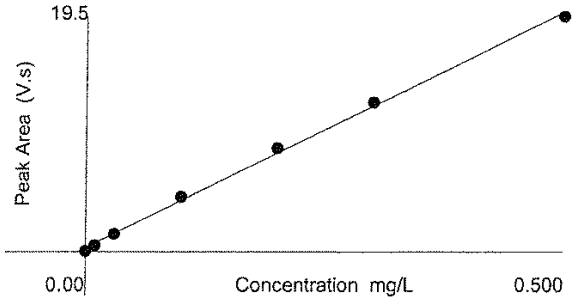
	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	19.5	1.05	0.0	1.9	0.490	8/19/2013	12:21:34 PM
2	0.300	1	12.4	0.677	0.0	-2.6	0.308	8/19/2013	12:22:33 PM
3	0.200	1	8.54	0.469	0.0	-4.6	0.210	8/19/2013	12:23:38 PM
4	0.100	1	4.54	0.251	0.0	-6.6	0.107	8/19/2013	12:24:43 PM
5	0.0300	1	1.47	0.0810	0.0	3.4	0.0289	8/19/2013	12:25:47 PM
6	0.0100	1	0.516	0.0280	0.0	30.0	4.66e-3	8/19/2013	12:26:52 PM
7	0.00	1	0.0371	2.47e-3			-7.56e-3	8/19/2013	12:27:56 PM

8/20/13

Author: chemistry

Date : 8/19/2013

Figure : 1 (Cn)



Area = 39.1 * Conc + 0.345
Conc = 0.0255 * Area - 8.50e-3
Correlation Coefficient (r) = 0.99903

Weighting : None

8/29/13

New England ACCUTEST LABORATORIES

09/03/13

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC23735

Sampling Dates: 08/19/13 - 08/21/13

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **183**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) ISO 17025:2005 (L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC23735

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
MC23735-1	08/19/13	11:45	PZ	08/22/13	SO	Soil	MW-08-7"-1.4'
MC23735-2	08/19/13	14:20	PZ	08/22/13	SO	Soil	MW-09-6"-2.3'
MC23735-4	08/20/13	13:27	PZ	08/22/13	SO	Soil	MW-11-5.5"-2'
MC23735-5	08/21/13	10:17	PZ	08/22/13	SO	Soil	MW-12-1"-2.4'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	WSP Environmental & Energy	**Job No**	MC23735
Site:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca,	**Report Date**	9/3/2013 8:23:27 AM

4 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on between 08/19/2013 and 08/21/2013 and were received at Accutest on 08/22/2013 properly preserved, at 0.4 Deg. C and intact. These Samples received an Accutest job number of MC23735. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** MSM2028

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23735-5MS, MC23735-5MSD were used as the QC samples indicated.
- MSM2028-BS for Dibromochloromethane, Dichlorodifluoromethane, Tetrachloroethene are outside control limits. Blank Spike meets program technical requirements.
- MC23735-5MS for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Styrene, Vinyl chloride are outside control limits due to possible matrix interference. Refer to Blank Spike.
- MC23735-5MSD for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dichloropropane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Butanone (MEK), Benzene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Isopropylbenzene, Styrene, Trichloroethene, Trichlorofluoromethane, Vinyl chloride, Methylene chloride are outside control limits due to possible matrix interference. Refer to Blank Spike.
- RPD(s) for MC23735-5MSD for Dichlorodifluoromethane, Methylene chloride are outside control limits. High RPD due to possible matrix interference and/or sample non-homogeneity.
- MSM2028-BS for Bromoform: Outside control limits. Associated samples are non-detect for this compound.
- MC23735-2, -4 have internal standard recovery(s) outside control limits. Target analytes not associated with this internal standard.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix: SO **Batch ID:** GN44102

- Sample(s) MC23735-5DUP were used as the QC samples for Solids, Percent.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC23735).

Summary of Hits

Job Number: MC23735
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Collected: 08/19/13 thru 08/21/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC23735-1	**MW-08-7"-1.4'**					
Benzene		0.73	0.58	0.29	ug/kg	SW846 8260B
Carbon disulfide		3.6 J	5.8	0.18	ug/kg	SW846 8260B
Cyclohexane		2.6 J	5.8	0.31	ug/kg	SW846 8260B
1,1-Dichloroethane		0.88 J	2.3	0.39	ug/kg	SW846 8260B
Methylcyclohexane		4.6 J	5.8	0.25	ug/kg	SW846 8260B
Methylene chloride		3.3	2.3	1.8	ug/kg	SW846 8260B
Toluene		1.2 J	5.8	0.28	ug/kg	SW846 8260B
Trichloroethene		0.69 J	2.3	0.55	ug/kg	SW846 8260B
Xylene (total)		0.90 J	2.3	0.24	ug/kg	SW846 8260B
Total TIC, Volatile		274 J			ug/kg	
MC23735-2	**MW-09-6"-2.3'**					
Methylene chloride		2.4 J	2.5	1.9	ug/kg	SW846 8260B
Toluene		0.51 J	6.3	0.31	ug/kg	SW846 8260B
Total TIC, Volatile		63 J			ug/kg	
MC23735-4	**MW-11-5.5"-2'**					
Benzene		0.95	0.55	0.27	ug/kg	SW846 8260B
Carbon disulfide		1.1 J	5.5	0.17	ug/kg	SW846 8260B
Cyclohexane		2.0 J	5.5	0.29	ug/kg	SW846 8260B
Methylcyclohexane		3.6 J	5.5	0.23	ug/kg	SW846 8260B
Methylene chloride		2.9	2.2	1.7	ug/kg	SW846 8260B
Toluene		1.4 J	5.5	0.27	ug/kg	SW846 8260B
Xylene (total)		0.89 J	2.2	0.22	ug/kg	SW846 8260B
Total TIC, Volatile		42.9 J			ug/kg	
MC23735-5	**MW-12-1"-2.4'**					
Benzene		0.93	0.50	0.25	ug/kg	SW846 8260B
Carbon disulfide		0.70 J	5.0	0.15	ug/kg	SW846 8260B
Cyclohexane		2.7 J	5.0	0.27	ug/kg	SW846 8260B
Methylcyclohexane		4.8 J	5.0	0.21	ug/kg	SW846 8260B
Methylene chloride		3.4	2.0	1.6	ug/kg	SW846 8260B
Tetrachloroethene		1.1 J	2.0	0.45	ug/kg	SW846 8260B
Toluene		1.8 J	5.0	0.25	ug/kg	SW846 8260B
Trichloroethene		1.3 J	2.0	0.48	ug/kg	SW846 8260B
Xylene (total)		1.7 J	2.0	0.21	ug/kg	SW846 8260B
Total TIC, Volatile		47.1 J			ug/kg	

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@141027 14:21 03-Sep-2013

Report of Analysis

Client Sample ID:	MW-08-7"-1.4'		
Lab Sample ID:	MC23735-1	**Date Sampled:**	08/19/13
Matrix:	SO - Soil	**Date Received:**	08/22/13
Method:	SW846 8260B	**Percent Solids:**	86.5
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M58829.D	1	08/29/13	KD	n/a	n/a	MSM2028
Run #2							

	Initial Weight	Final Volume
Run #1	4.96 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	4.5	ug/kg	
71-43-2	Benzene	0.73	0.58	0.29	ug/kg	
75-27-4	Bromodichloromethane	ND	2.3	0.42	ug/kg	
75-25-2	Bromoform	ND	2.3	0.34	ug/kg	
74-83-9	Bromomethane	ND	2.3	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.8	3.6	ug/kg	
75-15-0	Carbon disulfide	3.6	5.8	0.18	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.3	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.31	ug/kg	
75-00-3	Chloroethane	ND	5.8	0.70	ug/kg	
67-66-3	Chloroform	ND	2.3	0.34	ug/kg	
74-87-3	Chloromethane	ND	5.8	1.4	ug/kg	
110-82-7	Cyclohexane	2.6	5.8	0.31	ug/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.50	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.3	0.66	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.3	0.24	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.3	0.26	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.3	0.24	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.3	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	0.88	2.3	0.39	ug/kg	J
107-06-2	1,2-Dichloroethane	ND	2.3	0.63	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.3	0.61	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.3	0.59	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.3	0.52	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.49	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.34	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.34	ug/kg	
100-41-4	Ethylbenzene	ND	2.3	0.21	ug/kg	
76-13-1	Freon 113	ND	5.8	1.1	ug/kg	
591-78-6	2-Hexanone	ND	5.8	2.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.8	0.33	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-08-7"-1.4'		
Lab Sample ID:	MC23735-1	**Date Sampled:**	08/19/13
Matrix:	SO - Soil	**Date Received:**	08/22/13
Method:	SW846 8260B	**Percent Solids:**	86.5
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.8	3.2	ug/kg	
108-87-2	Methylcyclohexane	4.6	5.8	0.25	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	2.3	0.46	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.8	2.2	ug/kg	
75-09-2	Methylene chloride	3.3	2.3	1.8	ug/kg	
100-42-5	Styrene	ND	5.8	0.24	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.34	ug/kg	
127-18-4	Tetrachloroethene	ND	2.3	0.52	ug/kg	
108-88-3	Toluene	1.2	5.8	0.28	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	0.42	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.21	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.40	ug/kg	
79-01-6	Trichloroethene	0.69	2.3	0.55	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	2.3	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	0.66	ug/kg	
1330-20-7	Xylene (total)	0.90	2.3	0.24	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	84%		70-130%
2037-26-5	Toluene-D8	85%		70-130%
460-00-4	4-Bromofluorobenzene	92%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
78-78-4	Butane, 2-methyl-	6.07	17	ug/kg	JN
109-66-0	Pentane	6.49	20	ug/kg	JN
107-83-5	Pentane, 2-methyl-	7.84	11	ug/kg	JN
110-54-3	Hexane	8.47	11	ug/kg	JN
91-17-8	Naphthalene, decahydro-	16.76	17	ug/kg	JN
13287-21-3	Tridecane, 6-methyl-	18.05	130	ug/kg	JN
700-56-1	2-Methyladamantane	18.28	32	ug/kg	JN
702-79-4	Adamantane, 1,3-dimethyl-	18.41	36	ug/kg	JN
	Total TIC, Volatile		274	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@141027 14:21 03-Sep-2013

Report of Analysis

Client Sample ID:	MW-09-6"-2.3'		
Lab Sample ID:	MC23735-2	**Date Sampled:**	08/19/13
Matrix:	SO - Soil	**Date Received:**	08/22/13
Method:	SW846 8260B	**Percent Solids:**	83.2
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M58830.D	1	08/29/13	KD	n/a	n/a	MSM2028
Run #2							

	Initial Weight	Final Volume
Run #1	4.79 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	4.9	ug/kg	
71-43-2	Benzene	ND	0.63	0.31	ug/kg	
75-27-4	Bromodichloromethane	ND	2.5	0.45	ug/kg	
75-25-2	Bromoform	ND	2.5	0.36	ug/kg	
74-83-9	Bromomethane	ND	2.5	1.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.3	3.9	ug/kg	
75-15-0	Carbon disulfide	ND	6.3	0.19	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.5	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	2.5	0.34	ug/kg	
75-00-3	Chloroethane	ND	6.3	0.75	ug/kg	
67-66-3	Chloroform	ND	2.5	0.36	ug/kg	
74-87-3	Chloromethane	ND	6.3	1.5	ug/kg	
110-82-7	Cyclohexane	ND	6.3	0.33	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.3	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	2.5	0.53	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.5	0.71	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.26	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.28	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.25	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.5	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.5	0.42	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.5	0.68	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.5	0.65	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.64	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.56	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.5	0.53	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.36	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.37	ug/kg	
100-41-4	Ethylbenzene	ND	2.5	0.22	ug/kg	
76-13-1	Freon 113	ND	6.3	1.1	ug/kg	
591-78-6	2-Hexanone	ND	6.3	3.1	ug/kg	
98-82-8	Isopropylbenzene	ND	6.3	0.35	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-09-6"-2.3'		
Lab Sample ID:	MC23735-2	**Date Sampled:**	08/19/13
Matrix:	SO - Soil	**Date Received:**	08/22/13
Method:	SW846 8260B	**Percent Solids:**	83.2
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.3	3.5	ug/kg	
108-87-2	Methylcyclohexane	ND	6.3	0.27	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.5	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.3	2.3	ug/kg	
75-09-2	Methylene chloride	2.4	2.5	1.9	ug/kg	J
100-42-5	Styrene	ND	6.3	0.26	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.37	ug/kg	
127-18-4	Tetrachloroethene	ND	2.5	0.55	ug/kg	
108-88-3	Toluene	0.51	6.3	0.31	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	0.45	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.23	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.5	0.44	ug/kg	
79-01-6	Trichloroethene	ND	2.5	0.59	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.5	1.3	ug/kg	
75-01-4	Vinyl chloride	ND	2.5	0.71	ug/kg	
1330-20-7	Xylene (total)	ND	2.5	0.26	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	80%		70-130%
2037-26-5	Toluene-D8	85%		70-130%
460-00-4	4-Bromofluorobenzene	89%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
24535-53-3	4-Nitro-4'-chlorodiphenylsulfoxide	14.94	63	ug/kg	JN
	Total TIC, Volatile		63	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@141027 14:21 03-Sep-2013

Report of Analysis

Client Sample ID:	MW-11-5.5"-2'		
Lab Sample ID:	MC23735-4	**Date Sampled:**	08/20/13
Matrix:	SO - Soil	**Date Received:**	08/22/13
Method:	SW846 8260B	**Percent Solids:**	92.1
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M58831.D	1	08/29/13	KD	n/a	n/a	MSM2028
Run #2							

	Initial Weight	Final Volume
Run #1	4.96 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	4.3	ug/kg	
71-43-2	Benzene	0.95	0.55	0.27	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.40	ug/kg	
75-25-2	Bromoform	ND	2.2	0.32	ug/kg	
74-83-9	Bromomethane	ND	2.2	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.5	3.4	ug/kg	
75-15-0	Carbon disulfide	1.1	5.5	0.17	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.2	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.30	ug/kg	
75-00-3	Chloroethane	ND	5.5	0.66	ug/kg	
67-66-3	Chloroform	ND	2.2	0.32	ug/kg	
74-87-3	Chloromethane	ND	5.5	1.3	ug/kg	
110-82-7	Cyclohexane	2.0	5.5	0.29	ug/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	2.2	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.47	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.2	0.62	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.2	0.23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.2	0.24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.2	0.22	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.2	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.2	0.36	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.2	0.59	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.2	0.57	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.2	0.56	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.2	0.49	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.46	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.32	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.32	ug/kg	
100-41-4	Ethylbenzene	ND	2.2	0.19	ug/kg	
76-13-1	Freon 113	ND	5.5	1.0	ug/kg	
591-78-6	2-Hexanone	ND	5.5	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	0.31	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-11-5.5"-2'		
Lab Sample ID:	MC23735-4	**Date Sampled:**	08/20/13
Matrix:	SO - Soil	**Date Received:**	08/22/13
Method:	SW846 8260B	**Percent Solids:**	92.1
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.5	3.0	ug/kg	
108-87-2	Methylcyclohexane	3.6	5.5	0.23	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	2.2	0.43	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.5	2.0	ug/kg	
75-09-2	Methylene chloride	2.9	2.2	1.7	ug/kg	
100-42-5	Styrene	ND	5.5	0.23	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.32	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	0.48	ug/kg	
108-88-3	Toluene	1.4	5.5	0.27	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	0.40	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.20	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.38	ug/kg	
79-01-6	Trichloroethene	ND	2.2	0.52	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.2	1.1	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	0.62	ug/kg	
1330-20-7	Xylene (total)	0.89	2.2	0.22	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	79%		70-130%
2037-26-5	Toluene-D8	82%		70-130%
460-00-4	4-Bromofluorobenzene	91%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
78-78-4	Butane, 2-methyl-	6.08	10	ug/kg	JN
109-66-0	Pentane	6.49	12	ug/kg	JN
75-18-3	Dimethyl sulfide	6.97	8.1	ug/kg	JN
107-83-5	Pentane, 2-methyl-	7.84	6.5	ug/kg	JN
110-54-3	Hexane	8.47	6.3	ug/kg	JN
	Total TIC, Volatile		42.9	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@141027 14:21 03-Sep-2013

Report of Analysis

Client Sample ID:	MW-12-1"-2.4'		
Lab Sample ID:	MC23735-5	**Date Sampled:**	08/21/13
Matrix:	SO - Soil	**Date Received:**	08/22/13
Method:	SW846 8260B	**Percent Solids:**	94.3
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M58811.D	1	08/28/13	KD	n/a	n/a	MSM2028
Run #2							

	Initial Weight	Final Volume
Run #1	5.26 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.9	ug/kg	
71-43-2	Benzene	0.93	0.50	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.36	ug/kg	
75-25-2	Bromoform	ND	2.0	0.29	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.98	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	3.1	ug/kg	
75-15-0	Carbon disulfide	0.70	5.0	0.15	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.2	ug/kg	
110-82-7	Cyclohexane	2.7	5.0	0.27	ug/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.55	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.53	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.43	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.0	0.92	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.28	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-12-1"-2.4'		
Lab Sample ID:	MC23735-5	**Date Sampled:**	08/21/13
Matrix:	SO - Soil	**Date Received:**	08/22/13
Method:	SW846 8260B	**Percent Solids:**	94.3
Project:	Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.8	ug/kg	
108-87-2	Methylcyclohexane	4.8	5.0	0.21	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.9	ug/kg	
75-09-2	Methylene chloride	3.4	2.0	1.6	ug/kg	
100-42-5	Styrene	ND	5.0	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.30	ug/kg	
127-18-4	Tetrachloroethene	1.1	2.0	0.45	ug/kg	J
108-88-3	Toluene	1.8	5.0	0.25	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	1.3	2.0	0.48	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	2.0	1.1	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.57	ug/kg	
1330-20-7	Xylene (total)	1.7	2.0	0.21	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		70-130%
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	94%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
78-78-4	Butane, 2-methyl-	6.07	15	ug/kg	JN
109-66-0	Pentane	6.49	15	ug/kg	JN
107-83-5	Pentane, 2-methyl-	7.83	9.2	ug/kg	JN
110-54-3	Hexane	8.46	7.9	ug/kg	JN
	Total TIC, Volatile		47.1	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY RECORD MC23735

Page 1 of 1

Project Number:	Site and Location:
41255/5	Emerson EPT / Ithaca, NY
Contact Name:	**Contact Email:**
Lisa.Brydal	wspgroup.com
Sampler's Name:	**Sampler's Signature:**
Paul Zarella	Paul Zarella

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	Requested Analyses: VOCs	NYS Cat. B Deliverables *	Remarks
-1 MW-08-7"-1.4'	7"-1.4'	8/19/13	1145	S	1	X		please hold
-2 MW-09-6"-2.3'	6"-2.3'	8/19/13	1420	S	1			please hold
-3 MW-10-0"-4.2'	0"-4.2'	8/20/13	0846	S	1			please hold
-4 MW-11-6.5"-7'	6.5"-7'	8/20/13	1327	S	1	X		please hold
-5 MW-12-1'-2.4'	1'-2.4'	8/21/13	1017	S	1			please hold
								15A

Relinquished by (Signature):	8/21/13 1300 Date / Time	Received by (Signature):	Laboratory Name: Accutest
Relinquished by (Signature):	Date / Time	Received by (Signature):	Laboratory Location: MA
Turn-Around Time: FedEx 5 day per task order (unmarked)	8-22-13 F30	Tracking Number:	Custody Seal Numbers:
			Method of Shipment: Pickup ONSITE

WSP Environment & Energy
SYRACUSE SC 0.4 °C

- [x] Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- [ ] Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- [ ] San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- [ ] New Jersey Office: 200 Cottontail Ln., Somerset, NJ 08873 / Tel: 732-564-0888
- [ ] Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- [ ] Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- [ ] Woburn Office: 300 Trade Center, Suite 4690, Woburn, MA 01801
- [ ] Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

MC23735: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC23735 **Client:** WSP **Immediate Client Services Action Required:** No

Date / Time Received: 8/22/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: 4255/5 **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	Infared gun	
3. Cooler media:	Ice (bag)	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☐	☑
2. Trip Blank listed on COC:	☐	☐	☑
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC23735: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC23735

Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC23735-1 Collected: 19-AUG-13 11:45 By: PZ MW-08-7"-1.4'		Received: 22-AUG-13 By:				
MC23735-1	SM21 2540 B MOD.	26-AUG-13	MC			%SOL
MC23735-1	SW846 8260B	29-AUG-13 02:57	KD			V8260TCL42+
MC23735-2 Collected: 19-AUG-13 14:20 By: PZ MW-09-6"-2.3'		Received: 22-AUG-13 By:				
MC23735-2	SM21 2540 B MOD.	26-AUG-13	MC			%SOL
MC23735-2	SW846 8260B	29-AUG-13 03:26	KD			V8260TCL42+
MC23735-4 Collected: 20-AUG-13 13:27 By: PZ MW-11-5.5"-2'		Received: 22-AUG-13 By:				
MC23735-4	SM21 2540 B MOD.	26-AUG-13	MC			%SOL
MC23735-4	SW846 8260B	29-AUG-13 03:55	KD			V8260TCL42+
MC23735-5 Collected: 21-AUG-13 10:17 By: PZ MW-12-1"-2.4'		Received: 22-AUG-13 By:				
MC23735-5	SM21 2540 B MOD.	26-AUG-13	MC			%SOL
MC23735-5	SW846 8260B	28-AUG-13 18:08	KD			V8260TCL42+

Accutest Internal Chain of Custody

Job Number: MC23735
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY
Received: 08/22/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC23735-1.1	Walk In Ref #9	Miranda Cardullo	08/26/13 08:39	Retrieve from Storage
MC23735-1.1	Miranda Cardullo	Walk In Ref #9	08/26/13 09:44	Return to Storage
MC23735-1.1	Walk In Ref #9	Krysten Dufort	08/28/13 09:38	Retrieve from Storage
MC23735-1.1	Krysten Dufort	Walk In Ref #9	08/28/13 09:38	Return to Storage
MC23735-2.1	Walk In Ref #9	Miranda Cardullo	08/26/13 08:39	Retrieve from Storage
MC23735-2.1	Miranda Cardullo	Walk In Ref #9	08/26/13 09:44	Return to Storage
MC23735-2.1	Walk In Ref #9	Krysten Dufort	08/28/13 09:38	Retrieve from Storage
MC23735-2.1	Krysten Dufort	Walk In Ref #9	08/28/13 09:38	Return to Storage
MC23735-4.1	Walk In Ref #9	Miranda Cardullo	08/26/13 08:39	Retrieve from Storage
MC23735-4.1	Miranda Cardullo	Walk In Ref #9	08/26/13 09:44	Return to Storage
MC23735-4.1	Walk In Ref #9	Krysten Dufort	08/28/13 09:38	Retrieve from Storage
MC23735-4.1	Krysten Dufort	Walk In Ref #9	08/28/13 09:38	Return to Storage
MC23735-5.1	Walk In Ref #9	Miranda Cardullo	08/26/13 08:39	Retrieve from Storage
MC23735-5.1	Miranda Cardullo	Walk In Ref #9	08/26/13 09:44	Return to Storage
MC23735-5.1	Walk In Ref #9	Krysten Dufort	08/28/13 09:38	Retrieve from Storage
MC23735-5.1	Krysten Dufort	Walk In Ref #9	08/28/13 09:38	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC23735
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2028-MB	M58810.D	1	08/28/13	KD	n/a	n/a	MSM2028

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23735-1, MC23735-2, MC23735-4, MC23735-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.9	ug/kg	
71-43-2	Benzene	ND	0.50	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.36	ug/kg	
75-25-2	Bromoform	ND	2.0	0.29	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.97	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.2	ug/kg	
110-82-7	Cyclohexane	ND	5.0	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.52	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.0	0.92	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.28	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.8	ug/kg	
108-87-2	Methylcyclohexane	ND	5.0	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.8	ug/kg	

Method Blank Summary

Job Number: MC23735
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2028-MB	M58810.D	1	08/28/13	KD	n/a	n/a	MSM2028

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23735-1, MC23735-2, MC23735-4, MC23735-5

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	1.5	ug/kg	
100-42-5	Styrene	ND	5.0	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.44	ug/kg	
108-88-3	Toluene	ND	5.0	0.24	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.47	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.20	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	82%	70-130%
2037-26-5	Toluene-D8	84%	70-130%
460-00-4	4-Bromofluorobenzene	92%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: MC23735
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2028-BS	M58808.D	1	08/28/13	KD	n/a	n/a	MSM2028

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23735-1, MC23735-2, MC23735-4, MC23735-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	60.4	121	70-130
71-43-2	Benzene	50	56.1	112	70-130
75-27-4	Bromodichloromethane	50	59.8	120	70-130
75-25-2	Bromoform	50	70.8	142* [a]	70-130
74-83-9	Bromomethane	50	54.7	109	70-130
78-93-3	2-Butanone (MEK)	50	47.5	95	70-130
75-15-0	Carbon disulfide	50	61.5	123	70-130
56-23-5	Carbon tetrachloride	50	64.7	129	70-130
108-90-7	Chlorobenzene	50	61.7	123	70-130
75-00-3	Chloroethane	50	58.4	117	70-130
67-66-3	Chloroform	50	59.8	120	70-130
74-87-3	Chloromethane	50	62.4	125	70-130
110-82-7	Cyclohexane	50	56.0	112	70-130
96-12-8	1,2-Dibromo-3-chloropropane	50	58.4	117	70-130
124-48-1	Dibromochloromethane	50	67.3	135* [b]	70-130
106-93-4	1,2-Dibromoethane	50	63.0	126	70-130
95-50-1	1,2-Dichlorobenzene	50	56.9	114	70-130
541-73-1	1,3-Dichlorobenzene	50	57.0	114	70-130
106-46-7	1,4-Dichlorobenzene	50	58.2	116	70-130
75-71-8	Dichlorodifluoromethane	50	67.5	135* [b]	70-130
75-34-3	1,1-Dichloroethane	50	61.2	122	70-130
107-06-2	1,2-Dichloroethane	50	55.4	111	70-130
75-35-4	1,1-Dichloroethene	50	60.9	122	70-130
156-59-2	cis-1,2-Dichloroethene	50	56.8	114	70-130
156-60-5	trans-1,2-Dichloroethene	50	58.4	117	70-130
78-87-5	1,2-Dichloropropane	50	56.4	113	70-130
10061-01-5	cis-1,3-Dichloropropene	50	56.0	112	70-130
10061-02-6	trans-1,3-Dichloropropene	50	59.8	120	70-130
100-41-4	Ethylbenzene	50	62.2	124	70-130
76-13-1	Freon 113	50	63.8	128	70-130
591-78-6	2-Hexanone	50	47.0	94	70-130
98-82-8	Isopropylbenzene	50	57.4	115	70-130
79-20-9	Methyl Acetate	50	43.7	87	33-141
108-87-2	Methylcyclohexane	50	60.6	121	78-140
1634-04-4	Methyl Tert Butyl Ether	50	55.4	111	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	51.2	102	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23735
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2028-BS	M58808.D	1	08/28/13	KD	n/a	n/a	MSM2028

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23735-1, MC23735-2, MC23735-4, MC23735-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
75-09-2	Methylene chloride	50	58.2	116	70-130
100-42-5	Styrene	50	62.1	124	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	54.7	109	70-130
127-18-4	Tetrachloroethene	50	67.6	135* [b]	70-130
108-88-3	Toluene	50	59.5	119	70-130
120-82-1	1,2,4-Trichlorobenzene	50	53.7	107	70-130
71-55-6	1,1,1-Trichloroethane	50	62.3	125	70-130
79-00-5	1,1,2-Trichloroethane	50	57.4	115	70-130
79-01-6	Trichloroethene	50	56.1	112	70-130
75-69-4	Trichlorofluoromethane	50	57.8	116	70-130
75-01-4	Vinyl chloride	50	41.2	82	70-130
1330-20-7	Xylene (total)	150	187	125	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	82%	70-130%
2037-26-5	Toluene-D8	84%	70-130%
460-00-4	4-Bromofluorobenzene	86%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.
(b) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23735
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23735-5MS	M58812.D	1	08/28/13	KD	n/a	n/a	MSM2028
MC23735-5MSD	M58813.D	1	08/28/13	KD	n/a	n/a	MSM2028
MC23735-5	M58811.D	1	08/28/13	KD	n/a	n/a	MSM2028

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23735-1, MC23735-2, MC23735-4, MC23735-5

CAS No.	Compound	MC23735-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		54.2	42.1	78	42.8	79	2	70-130/30
71-43-2	Benzene	0.93		54.2	45.3	82	37.4	68* [a]	19	70-130/30
75-27-4	Bromodichloromethane	ND		54.2	47.1	87	39.8	74	17	70-130/30
75-25-2	Bromoform	ND		54.2	56.6	104	60.3	112	6	70-130/30
74-83-9	Bromomethane	ND		54.2	49.2	91	38.8	72	24	70-130/30
78-93-3	2-Butanone (MEK)	ND		54.2	40.0	74	35.8	66* [a]	11	70-130/30
75-15-0	Carbon disulfide	0.70	J	54.2	51.2	93	41.9	77	20	70-130/30
56-23-5	Carbon tetrachloride	ND		54.2	52.7	97	42.5	79	21	70-130/30
108-90-7	Chlorobenzene	ND		54.2	44.2	81	37.8	70	16	70-130/30
75-00-3	Chloroethane	ND		54.2	51.0	94	41.6	77	20	70-130/30
67-66-3	Chloroform	ND		54.2	48.3	89	39.8	74	19	70-130/30
74-87-3	Chloromethane	ND		54.2	54.0	100	46.9	87	14	70-130/30
110-82-7	Cyclohexane	2.7	J	54.2	49.6	86	40.0	69* [a]	21	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		54.2	52.8	97	55.7	103	5	70-130/30
124-48-1	Dibromochloromethane	ND		54.2	52.5	97	48.6	90	8	70-130/30
106-93-4	1,2-Dibromoethane	ND		54.2	52.1	96	45.4	84	14	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		54.2	30.5	56* [a]	34.1	63* [a]	11	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		54.2	31.4	58* [a]	32.3	60* [a]	3	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		54.2	32.8	60* [a]	34.0	63* [a]	4	70-130/30
75-71-8	Dichlorodifluoromethane	ND		54.2	61.1	113	41.4	77	38* [b]	70-130/30
75-34-3	1,1-Dichloroethane	ND		54.2	50.0	92	41.1	76	20	70-130/30
107-06-2	1,2-Dichloroethane	ND		54.2	46.2	85	38.2	71	19	70-130/30
75-35-4	1,1-Dichloroethene	ND		54.2	51.5	95	39.5	73	26	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		54.2	44.3	82	36.3	67* [a]	20	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		54.2	45.0	83	37.6	70	18	70-130/30
78-87-5	1,2-Dichloropropane	ND		54.2	44.6	82	36.4	68* [a]	20	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		54.2	42.0	77	35.9	67* [a]	16	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		54.2	45.0	83	38.7	72	15	70-130/30
100-41-4	Ethylbenzene	ND		54.2	46.8	86	39.5	73	17	70-130/30
76-13-1	Freon 113	ND		54.2	54.0	100	42.0	78	25	70-130/30
591-78-6	2-Hexanone	ND		54.2	47.3	87	50.2	93	6	70-130/30
98-82-8	Isopropylbenzene	ND		54.2	43.4	80	37.0	69* [a]	16	70-130/30
79-20-9	Methyl Acetate	ND		54.2	37.0	68	28.9	54	25	30-160/30
108-87-2	Methylcyclohexane	4.8	J	54.2	56.1	95	46.2	77	19	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		54.2	50.4	93	41.8	78	19	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		54.2	59.5	110	60.8	113	2	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23735
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23735-5MS	M58812.D	1	08/28/13	KD	n/a	n/a	MSM2028
MC23735-5MSD	M58813.D	1	08/28/13	KD	n/a	n/a	MSM2028
MC23735-5	M58811.D	1	08/28/13	KD	n/a	n/a	MSM2028

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23735-1, MC23735-2, MC23735-4, MC23735-5

CAS No.	Compound	MC23735-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	3.4		54.2	49.5	85	35.9	60* [a]	32* [b]	70-130/30
100-42-5	Styrene	ND		54.2	31.7	58* [a]	31.9	59* [a]	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		54.2	48.6	90	54.6	101	12	70-130/30
127-18-4	Tetrachloroethene	1.1	J	54.2	55.1	100	45.5	82	19	70-130/30
108-88-3	Toluene	1.8	J	54.2	48.1	85	40.0	71	18	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		54.2	21.2	39* [a]	25.3	47* [a]	18	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		54.2	51.1	94	41.9	78	20	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		54.2	47.7	88	43.6	81	9	70-130/30
79-01-6	Trichloroethene	1.3	J	54.2	45.7	82	37.4	67* [a]	20	70-130/30
75-69-4	Trichlorofluoromethane	ND		54.2	48.5	89	37.1	69* [a]	27	70-130/30
75-01-4	Vinyl chloride	ND		54.2	35.3	65* [a]	29.6	55* [a]	18	70-130/30
1330-20-7	Xylene (total)	1.7	J	163	138	84	118	72	16	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23735-5	Limits
1868-53-7	Dibromofluoromethane	83%	83%	83%	70-130%
2037-26-5	Toluene-D8	83%	84%	84%	70-130%
460-00-4	4-Bromofluorobenzene	87%	87%	94%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(b) High RPD due to possible matrix interference and/or sample non-homogeneity.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC23735
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSM2022-BFB
Lab File ID: M58633.D
Instrument ID: GCMSM
Injection Date: 08/21/13
Injection Time: 12:54

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	26707	23.5		Pass
75	30.0 - 60.0% of mass 95	58531	51.4		Pass
95	Base peak, 100% relative abundance	113843	100.0		Pass
96	5.0 - 9.0% of mass 95	7658	6.73		Pass
173	Less than 2.0% of mass 174	1127	0.99	(1.14) [a]	Pass
174	50.0 - 150.0% of mass 95	98749	86.7		Pass
175	5.0 - 9.0% of mass 174	7472	6.56	(7.57) [a]	Pass
176	95.0 - 101.0% of mass 174	95533	83.9	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	6321	5.55	(6.62) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM2022-IC2022	M58636.D	08/21/13	14:37	01:43	Initial cal 0.5
MSM2022-IC2022	M58637.D	08/21/13	15:07	02:13	Initial cal 2
MSM2022-IC2022	M58638.D	08/21/13	15:36	02:42	Initial cal 5
MSM2022-IC2022	M58639.D	08/21/13	16:05	03:11	Initial cal 10
MSM2022-IC2022	M58640.D	08/21/13	16:35	03:41	Initial cal 20
MSM2022-ICC2022	M58641.D	08/21/13	17:08	04:14	Initial cal 50
MSM2022-IC2022	M58642.D	08/21/13	17:37	04:43	Initial cal 100
MSM2022-IC2022	M58643.D	08/21/13	18:07	05:13	Initial cal 200
MSM2022-IC2022	M58644.D	08/21/13	18:36	05:42	Initial cal 400
MSM2022-ICV2022	M58647.D	08/21/13	20:04	07:10	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC23735
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MSM2028-BFB
Lab File ID: M58807.D
Instrument ID: GCMSM
Injection Date: 08/28/13
Injection Time: 16:11

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	20683	18.5		Pass
75	30.0 - 60.0% of mass 95	50474	45.3		Pass
95	Base peak, 100% relative abundance	111534	100.0		Pass
96	5.0 - 9.0% of mass 95	8026	7.20		Pass
173	Less than 2.0% of mass 174	999	0.90	(0.93) [a]	Pass
174	50.0 - 150.0% of mass 95	107306	96.2		Pass
175	5.0 - 9.0% of mass 174	7364	6.60	(6.86) [a]	Pass
176	95.0 - 101.0% of mass 174	103317	92.6	(96.3) [a]	Pass
177	5.0 - 9.0% of mass 176	6331	5.68	(6.13) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM2028-CC2022	M58807.D	08/28/13	16:11	00:00	Continuing cal 50
MSM2028-BS	M58808.D	08/28/13	16:40	00:29	Blank Spike
MSM2028-MB	M58810.D	08/28/13	17:39	01:28	Method Blank
MC23735-5	M58811.D	08/28/13	18:08	01:57	MW-12-1"-2.4'
MC23735-5MS	M58812.D	08/28/13	18:37	02:26	Matrix Spike
MC23735-5MSD	M58813.D	08/28/13	19:07	02:56	Matrix Spike Duplicate
ZZZZZZ	M58814.D	08/28/13	19:36	03:25	(unrelated sample)
ZZZZZZ	M58815.D	08/28/13	20:05	03:54	(unrelated sample)
ZZZZZZ	M58816.D	08/28/13	20:35	04:24	(unrelated sample)
ZZZZZZ	M58817.D	08/28/13	21:04	04:53	(unrelated sample)
ZZZZZZ	M58818.D	08/28/13	21:34	05:23	(unrelated sample)
ZZZZZZ	M58819.D	08/28/13	22:03	05:52	(unrelated sample)
ZZZZZZ	M58820.D	08/28/13	22:33	06:22	(unrelated sample)
ZZZZZZ	M58821.D	08/28/13	23:02	06:51	(unrelated sample)
ZZZZZZ	M58822.D	08/28/13	23:32	07:21	(unrelated sample)
ZZZZZZ	M58823.D	08/29/13	00:01	07:50	(unrelated sample)
ZZZZZZ	M58824.D	08/29/13	00:30	08:19	(unrelated sample)
ZZZZZZ	M58825.D	08/29/13	00:59	08:48	(unrelated sample)
ZZZZZZ	M58826.D	08/29/13	01:28	09:17	(unrelated sample)
ZZZZZZ	M58827.D	08/29/13	01:58	09:47	(unrelated sample)
ZZZZZZ	M58828.D	08/29/13	02:28	10:17	(unrelated sample)
MC23735-1	M58829.D	08/29/13	02:57	10:46	MW-08-7"-1.4'
MC23735-2	M58830.D	08/29/13	03:26	11:15	MW-09-6"-2.3'
MC23735-4	M58831.D	08/29/13	03:55	11:44	MW-11-5.5"-2'

Volatile Internal Standard Area Summary

Job Number: MC23735
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Check Std:	MSM2028-CC2022	**Injection Date:**	08/28/13
Lab File ID:	M58807.D	**Injection Time:**	16:11
Instrument ID:	GCMSM	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	377877	9.36	639144	10.23	282000	13.51	315425	16.07	145715	6.84
Upper Limit [a]	755754	9.86	1278288	10.73	564000	14.01	630850	16.57	291430	7.34
Lower Limit [b]	188939	8.86	319572	9.73	141000	13.01	157713	15.57	72858	6.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSM2028-BS	395754	9.36	662002	10.23	294925	13.51	325763	16.07	146636	6.84
MSM2028-MB	360028	9.36	616569	10.24	257225	13.51	256127	16.07	152048	6.85
MC23735-5	327698	9.35	559616	10.23	239261	13.51	236948	16.07	255569	6.84
MC23735-5MS	360691	9.36	607266	10.24	270141	13.51	289222	16.07	274391	6.84
MC23735-5MSD	376899	9.35	637872	10.23	280393	13.50	303934	16.07	263313	6.84
ZZZZZZ	368487	9.36	622978	10.24	268005	13.51	267490	16.07	272125	6.84
ZZZZZZ	370123	9.36	622249	10.23	265539	13.51	270817	16.07	232691	6.84
ZZZZZZ	365701	9.35	617985	10.23	264686	13.51	264858	16.07	278932	6.84
ZZZZZZ	348616	9.36	594150	10.24	254112	13.51	252407	16.07	240695	6.84
ZZZZZZ	357111	9.35	601026	10.23	259202	13.51	254538	16.07	247922	6.85
ZZZZZZ	344309	9.36	579825	10.23	240583	13.51	223438	16.07	262590	6.84
ZZZZZZ	355506	9.36	607266	10.24	261170	13.51	251466	16.07	245273	6.84
ZZZZZZ	317721	9.36	537578	10.23	208135	13.51	148524[c]	16.07	231220	6.84
ZZZZZZ	320284	9.36	551754	10.23	217234	13.51	163935	16.07	200864	6.84
ZZZZZZ	315021	9.36	539932	10.23	211139	13.51	168248	16.07	170111	6.84
ZZZZZZ	302246	9.36	513786	10.23	188940	13.51	130857[c]	16.07	130681	6.85
ZZZZZZ	333577	9.35	559518	10.23	239060	13.51	243849	16.07	293448[d]	6.84
ZZZZZZ	313353	9.36	541489	10.24	222273	13.51	192798	16.07	228503	6.84
ZZZZZZ	309358	9.36	525746	10.23	209773	13.51	146433[c]	16.07	280407	6.84
ZZZZZZ	341055	9.36	572217	10.23	246884	13.51	246614	16.07	281309	6.84
MC23735-1	339239	9.35	572836	10.23	243072	13.51	237758	16.07	254604	6.84
MC23735-2	420160	9.36	697476	10.24	307364	13.51	335794	16.07	303854[d]	6.84
MC23735-4	414595	9.36	689419	10.23	279736	13.51	301574	16.07	294665[d]	6.84

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.
(d) Outside control limits. Target analytes not associated with this internal standard.

Volatile Surrogate Recovery Summary

Job Number: MC23735
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC23735-1	M58829.D	84.0	85.0	92.0
MC23735-2	M58830.D	80.0	85.0	89.0
MC23735-4	M58831.D	79.0	82.0	91.0
MC23735-5	M58811.D	83.0	84.0	94.0
MC23735-5MS	M58812.D	83.0	83.0	87.0
MC23735-5MSD	M58813.D	83.0	84.0	87.0
MSM2028-BS	M58808.D	82.0	84.0	86.0
MSM2028-MB	M58810.D	82.0	84.0	92.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC23735 **Sample:** MSM2022-ICC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58641.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Response Factor Report GCMS M

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Calibration Files
.5 =m58636.D 20 =m58640.D 2 =m58637.D 5 =m58638.D
10 =m58639.D 50 =m58641.D 100 =m58642.D 200 =m58643.D
400 =m58644.D =

Compound	.5	20	2	5	10	50	100	200	400	Avg	%RSD
1) I tert butyl alcohol-d9 ----------ISTD----------											
2) tertiary butyl alcohol	1.304	1.486	1.331	1.263	1.512	1.291	1.255	1.293		1.342	7.45
3) Ethanol	0.130	0.060	0.056	0.124	0.151	0.130	0.132	0.134		0.115	31.17
---- Linear regression ---- Coefficient = 0.9995											
Response Ratio = -0.01835 + 0.13427 *A											
4) I pentafluorobenzene ----------ISTD----------											
5) dichlorodifluoromethane	0.759	0.761	0.638	0.787	0.803	0.643	0.668	0.582		0.705	11.62
6) chloromethane	1.167	1.243	1.083	1.202	1.179	1.033	0.993	0.857		1.095	11.79
7) vinyl chloride	1.432	1.362	1.286	1.384	1.318	1.213	1.158	1.049		1.275	10.04
8) bromomethane	0.655	0.664	0.586	0.644	0.567	0.531	0.519	0.502		0.583	11.07
9) chloroethane	0.439	0.351	0.429	0.483	0.428	0.411	0.383	0.355		0.410	10.95
10) ethyl ether	0.511	0.438	0.445	0.493	0.526	0.479	0.478	0.474		0.481	6.20
11) acetonitrile	0.158	0.219	0.142	0.094	0.155	0.130	0.152	0.165		0.152	23.08
---- Linear regression ---- Coefficient = 0.9964											
Response Ratio = -0.01626 + 0.16379 *A											
12) trichlorofluoromethane	1.102	0.846	1.132	1.026	1.141	1.033	1.003	0.932		1.027	9.89
13) freon-113	0.571	0.454	0.505	0.550	0.607	0.564	0.529	0.482		0.533	9.47
14) acrolein	0.032		0.029	0.030	0.045	0.034	0.036	0.038		0.035	15.64
---- Linear regression ---- Coefficient = 0.9976											
Response Ratio = -0.00857 + 0.03797 *A											
15) 1,1-dichloroethene	0.620	0.564	0.565	0.597	0.615	0.593	0.576	0.554		0.585	4.18
16) acetone	0.106		0.117	0.135	0.110	0.098	0.097			0.110	12.72
17) Methyl Acetate	0.783	0.882	0.615	0.640	0.954	0.859	0.864	0.859		0.807	14.89
18) methylene chloride	0.732	0.781	0.715	0.784	0.701	0.650	0.632	0.581		0.697	10.27

Initial Calibration Summary

Job Number: MC23735 **Sample:** MSM2022-ICC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58641.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
19)  methyl tert butyl ether
                1.468 1.386 1.478 1.539 1.675 1.512 1.462 1.435   1.494    5.77
20)  acrylonitrile
                0.246       0.227 0.220 0.285 0.246 0.247 0.251   0.246    8.42
21)  allyl chloride
                1.157 1.154 1.169 1.223 1.195 1.144 1.143 1.076   1.158    3.71
22)  trans-1,2-dichloroethene
                0.629 0.678 0.723 0.693 0.701 0.657 0.670 0.653   0.676    4.45
23)  iodomethane
                1.103 0.972 1.017 1.149 1.192 1.133 1.139 1.156   1.108    6.77
24)  carbon disulfide
                2.015 1.833 1.766 2.106 2.147 2.020 2.003 1.844   1.967    6.96
25)  propionitrile
                0.073       0.073 0.066 0.092 0.092 0.090 0.090   0.082   13.75
26)  vinyl acetate
                1.334       1.066 1.257 1.646 1.483 1.521 1.516   1.403   14.02
27)  chloroprene
                1.037 0.920 0.927 1.010 1.092 1.062 1.077 1.028   1.019    6.34
28)  di-isopropyl ether
                2.416 2.267 2.297 2.377 2.644 2.517 2.561 2.469   2.444    5.31
29)  methacrylonitrile
                0.380 0.513 0.339 0.389 0.456 0.398 0.413 0.410   0.412   12.65
30)  2-butanone
                0.094       0.069 0.115 0.126 0.111 0.113 0.104   0.105   17.67
             ---- Linear regression ----  Coefficient =  0.9979
               Response Ratio = 0.00712 + 0.10523 *A

31)  1,1-dichloroethane
                1.107 1.003 1.085 1.130 1.170 1.095 1.091 1.046   1.091    4.62
32)  tert-butyl ethyl ether
                1.788 1.508 1.730 1.813 2.037 1.885 1.886 1.840   1.811    8.40
33)  isobutyl alcohol
                0.101 0.086 0.105 0.094 0.094 0.086 0.083 0.081   0.091    9.43
34)  2,2-dichloropropane
                0.724 0.711 0.723 0.791 0.798 0.757 0.712 0.653   0.733    6.46
35)  cis-1,2-dichloroethene
                0.755 0.693 0.764 0.754 0.793 0.750 0.793 0.785   0.761    4.29
36)  ethyl acetate
                0.504 0.429 0.525 0.475 0.489 0.437 0.417 0.410   0.461    9.36
37)  bromochloromethane
                0.334 0.310 0.325 0.333 0.360 0.336 0.354 0.372   0.340    5.96
38)  chloroform
                1.124 1.044 1.043 1.118 1.215 1.152 1.184 1.177   1.132    5.61
39)  dibromofluoromethane (s)
                0.623 0.600 0.615 0.614 0.686 0.645 0.637 0.701   0.640    5.63
40)  Tetrahydrofuran
                0.243       0.292 0.236 0.247 0.229 0.216 0.210   0.239   11.30
41)  1,1,1-trichloroethane
                0.918 0.877 0.914 0.953 0.988 0.953 0.915 0.851   0.921    4.75

42) I   1,4-difluorobenzene   ----------------ISTD---------------------
43)  Cyclohexane
                0.591 0.611 0.619 0.624 0.674 0.648 0.618 0.550   0.617    5.93
44)  carbon tetrachloride
                0.497 0.464 0.501 0.510 0.532 0.532 0.534 0.516   0.511    4.68
45)  1,1-dichloropropene
                0.513 0.472 0.504 0.514 0.536 0.527 0.532 0.505   0.513    3.98
46)  benzene
              2.112 1.519 1.419 1.479 1.527 1.629 1.589 1.637 1.546   1.606   12.58
47)  1,2-dichloroethane
```

Initial Calibration Summary

Job Number: MC23735 **Sample:** MSM2022-ICC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58641.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

```
                0.518 0.473 0.501 0.505 0.563 0.512 0.507 0.476   0.507    5.53
48)  tert-amyl methyl ether
                0.879 0.846 0.827 0.846 0.956 0.880 0.869 0.830   0.867    4.80
49)  heptane
                0.664 0.660 0.662 0.690 0.739 0.690 0.685 0.656   0.681    4.06
50)  trichloroethene
           0.519 0.399 0.384 0.384 0.414 0.434 0.417 0.438 0.438   0.425    9.60
51)  1,2-dichloropropane
                0.412 0.378 0.396 0.422 0.445 0.420 0.435 0.426   0.417    5.13
52)  dibromomethane
                0.229 0.208 0.220 0.222 0.249 0.229 0.234 0.237   0.229    5.38
53)  bromodichloromethane
                0.531 0.459 0.499 0.522 0.578 0.544 0.551 0.537   0.528    6.83
54)  Methylcyclohexane
                0.625 0.545 0.610 0.652 0.719 0.707 0.693 0.647   0.650    8.83
55)  2-chloroethyl vinyl ether
                0.172 0.141 0.147 0.163 0.182 0.170 0.179 0.180   0.166    9.25
56)  methyl methacrylate
                0.225 0.171 0.206 0.215 0.266 0.244 0.253 0.253   0.229   13.69
57)  1,4-dioxane
                0.004       0.002 0.003 0.004 0.004 0.004 0.003   0.003   26.34
              ---- Linear regression ----  Coefficient =  0.9995
                Response Ratio = 0.00032 + 0.00346 *A

58)  cis-1,3-dichloropropene
                0.626 0.558 0.583 0.604 0.681 0.648 0.679 0.671   0.631    7.37
59)  toluene-d8 (s)
                1.256 1.188 1.179 1.245 1.412 1.365 1.415 1.493   1.319    8.89
60)  4-methyl-2-pentanone
                0.416 0.447 0.486 0.460 0.501 0.448 0.441 0.429   0.453    6.23
61)  toluene
                0.917 0.830 0.870 0.921 1.032 1.054 1.156 1.125   0.988   12.20
62)  trans-1,3-dichloropropene
                0.514 0.436 0.491 0.504 0.567 0.538 0.568 0.559   0.522    8.73
63)  1,1,2-trichloroethane
                0.278 0.252 0.265 0.271 0.308 0.282 0.292 0.292   0.280    6.22
64)  ethyl methacrylate
                0.440       0.390 0.411 0.527 0.516 0.549 0.550   0.483   14.05

65) I   chlorobenzene-d5      ----------------ISTD---------------------
66)  tetrachloroethene
           1.061 0.816 0.747 0.757 0.798 0.848 0.771 0.732 0.655   0.798   14.14
67)  1,3-dichloropropane
                1.257 1.159 1.142 1.167 1.312 1.204 1.144 0.919   1.163    9.91
68)  dibromochloromethane
                0.917 0.815 0.889 0.898 1.006 0.890 0.858 0.772   0.881    7.94
69)  1,2-dibromoethane
                0.798 0.727 0.778 0.765 0.862 0.741 0.712 0.598   0.748   10.25
70)  2-hexanone
                0.872 0.926 1.046 0.990 1.040 0.836 0.738         0.921   12.33
71)  chlorobenzene
                2.536 2.338 2.470 2.572 2.712 2.509 2.450 2.095   2.460    7.41
72)  1,1,1,2-tetrachloroethane
                0.883 0.853 0.828 0.877 0.938 0.863 0.845 0.749   0.854    6.32
73)  ethylbenzene
                4.057 3.730 3.908 4.118 4.436 4.233 4.059 3.301   3.980    8.66
74)  m,p-xylene
                1.658 1.520 1.544 1.631 1.842 1.829 1.825 1.524   1.672    8.47
75)  o-xylene
                1.637 1.473 1.519 1.621 1.835 1.875 1.854 1.506   1.665   10.03
```

Initial Calibration Summary

Job Number: MC23735 **Sample:** MSM2022-ICC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58641.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

76) styrene
2.569 2.290 2.337 2.553 2.766 2.702 2.697 2.222 2.517 8.28
77) bromoform
0.528 0.458 0.492 0.512 0.584 0.541 0.523 0.484 0.515 7.46
78) trans-1,4-dichloro-2-butene
0.304 0.325 0.307 0.306 0.362 0.320 0.295 0.240 0.307 11.11

79) I 1,4-dichlorobenzene-d ----------ISTD----------
80) isopropylbenzene
4.290 3.830 3.996 4.262 4.805 4.361 4.271 4.045 4.233 6.93
81) bromofluorobenzene (s)
0.995 0.880 0.982 0.961 1.089 0.982 0.928 0.951 0.971 6.21
82) bromobenzene
1.009 0.885 1.012 1.001 1.108 0.957 0.986 1.031 0.999 6.34
83) 1,1,2,2-tetrachloroethane
1.055 0.968 1.023 1.029 1.227 1.073 1.002 0.975 1.044 7.89
84) 1,2,3-trichloropropane
1.087 0.956 1.055 1.037 1.257 1.054 0.994 0.969 1.051 9.02
85) n-propylbenzene
5.051 4.487 4.765 5.082 5.624 5.062 4.844 4.298 4.902 8.31
86) 2-chlorotoluene
2.891 2.644 2.820 2.916 3.265 2.912 2.837 2.752 2.880 6.27
87) 4-chlorotoluene
2.953 2.648 2.713 2.889 3.192 2.973 2.861 2.720 2.869 6.16
88) 1,3,5-trimethylbenzene
3.587 3.037 3.210 3.484 4.148 3.855 3.735 3.598 3.582 9.80
89) tert-butylbenzene
1.985 1.762 1.845 1.940 2.270 2.086 2.030 2.009 1.991 7.72
90) 1,2,4-trimethylbenzene
3.483 2.966 3.215 3.382 4.048 3.772 3.704 3.589 3.520 9.61
91) sec-butylbenzene
4.909 4.081 4.557 4.676 5.663 5.292 5.104 4.467 4.844 10.40
92) 1,3-dichlorobenzene
2.049 1.875 1.988 2.057 2.305 2.132 2.179 2.200 2.098 6.42
93) p-isopropyltoluene
3.727 3.225 3.313 3.578 4.603 4.321 4.217 4.027 3.876 12.77
94) 1,4-dichlorobenzene
2.110 1.884 1.979 2.084 2.521 2.370 2.360 2.412 2.215 10.39
95) 1,2-dichlorobenzene
2.040 1.749 1.886 1.946 2.240 2.028 2.001 2.428 2.040 10.31
96) n-butylbenzene
3.839 3.244 3.569 3.796 4.502 4.051 3.707 3.550 3.782 9.94
97) 1,2-dibromo-3-chloropropane
0.204 0.228 0.275 0.227 0.217 0.183 0.163 0.167 0.208 17.95
---- Linear regression ---- Coefficient = 0.9983
Response Ratio = 0.01873 + 0.16396 *A

98) 1,3,5-trichlorobenzene
1.374 1.171 1.348 1.368 1.510 1.296 1.221 1.390 1.335 7.89
99) 1,2,4-trichlorobenzene
1.272 1.147 1.241 1.283 1.415 1.189 1.127 1.271 1.243 7.34
100) hexachlorobutadiene
0.645 0.597 0.620 0.633 0.726 0.639 0.626 0.725 0.651 7.38
101) naphthalene
3.324 2.790 3.080 3.129 3.767 3.309 3.447 3.854 3.337 10.58
102) 1,2,3-trichlorobenzene
1.215 1.101 1.171 1.210 1.346 1.158 1.118 1.253 1.196 6.60
103) 2-methylnaphthalene
1.813 1.540 1.751 1.660 1.987 1.631 1.620 1.768 1.721 8.13
104) 1-methylnaphthalene

```
                0.641 2.528 0.700 0.751 0.621 0.515 0.495 0.515   0.846 E1   81.11
            ---- Linear regression ----  Coefficient =  0.9988
              Response Ratio = 0.25159 + 5.03552 *A

 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M130821S.M        Thu Aug 22 09:43:29 2013
```

Initial Calibration Verification

Job Number: MC23735 **Sample:** MSM2022-ICV2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58647.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M130821.S\m58647.D Vial: 23
Acq On : 21 Aug 2013 8:04 pm Operator: krystend
Sample : ICV2022-50 Inst : GCMS M
Misc : MS29707,MSM2022,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 22 08:41:20 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	128	-0.01	6.84
2	M	tertiary butyl alcohol	1.342	1.849	-37.8#	156	0.00	6.93
			Amount	Calc.	%Drift			
3		Ethanol	5000.000	4133.977	17.3	92	-0.01	5.64
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	109	0.00	9.35
5	M	dichlorodifluoromethane	0.705	0.871	-23.5#	118	0.00	4.42
6	P	chloromethane	1.095	1.375	-25.6#	127	-0.01	4.69
7	c	vinyl chloride	1.275	1.084	15.0	90	0.00	4.96
8	M	bromomethane	0.583	0.628	-7.7	121	0.00	5.50
9	M	chloroethane	0.410	0.461	-12.4	118	0.00	5.67
10	M	ethyl ether	0.481	0.519	-7.9	108	0.00	6.57
			Amount	Calc.	%Drift			
11	M	acetonitrile	50.000	47.491	5.0	98	0.00	6.57
			AvgRF	CCRF	%Dev			
12	M	trichlorofluoromethane	1.027	1.026	0.1	98	-0.01	6.33
13	M	freon-113	0.533	0.651	-22.1#	117	0.00	7.15
			Amount	Calc.	%Drift			
14	M	acrolein	250.000	440.816	-76.3#	159	0.00	6.32
			AvgRF	CCRF	%Dev			
15	c	1,1-dichloroethene	0.585	0.672	-14.9	119	0.00	6.94
16	M	acetone	0.110	0.103	6.4	84	0.00	6.47
17	M	Methyl Acetate	0.807	0.702	13.0	80	0.00	7.13
18	M	methylene chloride	0.697	0.706	-1.3	110	0.00	7.10
19	M	methyl tert butyl ether	1.494	1.625	-8.8	106	0.00	7.91
20	M	acrylonitrile	0.246	0.264	-7.3	101	0.00	7.00
21	M	allyl chloride	1.158	1.220	-5.4	112	0.00	7.19
22	M	trans-1,2-dichloroethene	0.676	0.705	-4.3	110	0.00	7.81
23	M	iodomethane	1.108	1.240	-11.9	114	0.00	7.01
24	M	carbon disulfide	1.967	2.242	-14.0	114	0.00	7.39
25	M	propionitrile	0.082	0.090	-9.8	106	0.00	8.16
26	M	vinyl acetate	1.403	1.095	22.0#	73	0.00	8.17
27	M	chloroprene	1.019	1.164	-14.2	116	0.00	8.45
28	M	di-isopropyl ether	2.444	2.501	-2.3	103	0.00	8.48
29	M	methacrylonitrile	0.412	0.409	0.7	98	0.00	8.60

Initial Calibration Verification

Job Number: MC23735 **Sample:** MSM2022-ICV2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58647.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
30	M	2-butanone	50.000	44.703	10.6	87	0.00	8.49
			AvgRF	CCRF	%Dev			
31	P	1,1-dichloroethane	1.091	1.279	-17.2	119	0.00	8.07
32	M	tert-butyl ethyl ether	1.811	2.005	-10.7	108	0.00	8.88
33	M	isobutyl alcohol	0.091	0.102	-12.1	118	0.00	8.88
34	M	2,2-dichloropropane	0.733	0.855	-16.6	117	0.00	8.95
35	M	cis-1,2-dichloroethene	0.761	0.761	0.0	105	0.00	8.65
36	M	ethyl acetate	0.461	0.485	-5.2	108	0.00	8.88
37	M	bromochloromethane	0.340	0.387	-13.8	118	0.00	8.82
38	c	chloroform	1.132	1.262	-11.5	113	0.00	8.86
39	S	dibromofluoromethane (s)	0.640	0.563	12.0	90	0.00	8.98
40	M	Tetrahydrofuran	0.239	0.240	-0.4	106	0.00	9.19
41	M	1,1,1-trichloroethane	0.921	1.077	-16.9	119	0.00	9.63
42	I	1,4-difluorobenzene	1.000	1.000	0.0	108	0.00	10.23
43	M	Cyclohexane	0.617	0.658	-6.6	105	0.00	9.91
44	M	carbon tetrachloride	0.511	0.593	-16.0	120	0.00	10.00
45	M	1,1-dichloropropene	0.513	0.545	-6.2	110	0.00	9.81
46	M	benzene	1.606	1.628	-1.4	108	0.00	10.03
47	M	1,2-dichloroethane	0.507	0.535	-5.5	102	0.00	9.52
48	M	tert-amyl methyl ether	0.867	0.948	-9.3	107	0.00	10.15
49	M	heptane	0.681	0.686	-0.7	100	0.00	10.51
50	M	trichloroethene	0.425	0.423	0.5	105	0.00	10.66
51	c	1,2-dichloropropane	0.417	0.427	-2.4	103	0.00	10.62
52	M	dibromomethane	0.229	0.269	-17.5	117	0.00	10.60
53	M	bromodichloromethane	0.528	0.565	-7.0	105	0.00	10.71
54	M	Methylcyclohexane	0.650	0.711	-9.4	107	0.00	11.18
55	M	2-chloroethyl vinyl ether	0.166	0.152	8.4	90	0.00	11.09
56	M	methyl methacrylate	0.229	0.253	-10.5	103	0.00	10.80
			Amount	Calc.	%Drift			
57	M	1,4-dioxane	250.000	270.065	-8.0	106	0.00	10.81
			AvgRF	CCRF	%Dev			
58	M	cis-1,3-dichloropropene	0.631	0.630	0.2	100	0.00	11.34
59	S	toluene-d8 (s)	1.319	1.143	13.3	87	0.00	12.04
60	M	4-methyl-2-pentanone	0.453	0.460	-1.5	99	0.00	11.42
61	c	toluene	0.988	1.028	-4.0	107	0.00	12.12
62	M	trans-1,3-dichloropropene	0.522	0.564	-8.0	107	0.00	11.75
63	M	1,1,2-trichloroethane	0.280	0.295	-5.4	104	0.00	11.93
64	M	ethyl methacrylate	0.483	0.494	-2.3	101	0.00	12.12
65	I	chlorobenzene-d5	1.000	1.000	0.0	108	0.00	13.51
66	M	tetrachloroethene	0.798	0.907	-13.7	116	0.00	12.86
67	M	1,3-dichloropropane	1.163	1.256	-8.0	104	0.00	12.16
68	M	dibromochloromethane	0.881	0.991	-12.5	107	0.00	12.46
69	M	1,2-dibromoethane	0.748	0.834	-11.5	105	0.00	12.72
70	M	2-hexanone	0.921	0.814	11.6	85	0.00	12.29
71	P	chlorobenzene	2.460	2.559	-4.0	102	0.00	13.55
72	M	1,1,1,2-tetrachloroethane	0.854	0.929	-8.8	107	0.00	13.46
73	c	ethylbenzene	3.980	4.349	-9.3	106	0.00	13.71
74	M	m,p-xylene	1.672	1.773	-6.0	104	0.00	13.90
75	M	o-xylene	1.665	1.751	-5.2	103	0.00	14.31
76	M	styrene	2.517	2.651	-5.3	104	0.00	14.24
77	P	bromoform	0.515	0.629	-22.1#	117	0.00	14.07
78	M	trans-1,4-dichloro-2-bute	0.307	0.335	-9.1	100	0.00	14.46

Initial Calibration Verification

Job Number: MC23735 **Sample:** MSM2022-ICV2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58647.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	113	0.00	16.08
80	M	isopropylbenzene	4.233	4.293	-1.4	101	0.00	14.68
81	S	bromofluorobenzene (s)	0.971	0.836	13.9	86	0.00	14.74
82	M	bromobenzene	0.999	1.035	-3.6	105	0.00	14.97
83	P	1,1,2,2-tetrachloroethane	1.044	1.124	-7.7	103	0.00	14.32
84	M	1,2,3-trichloropropane	1.051	1.154	-9.8	103	0.00	14.47
85	M	n-propylbenzene	4.902	4.891	0.2	98	0.00	15.12
86	M	2-chlorotoluene	2.880	2.848	1.1	98	0.00	15.24
87	M	4-chlorotoluene	2.869	2.854	0.5	101	0.00	15.32
88	M	1,3,5-trimethylbenzene	3.582	3.633	-1.4	99	0.00	15.40
89	M	tert-butylbenzene	1.991	2.008	-0.9	100	0.00	15.71
90	M	1,2,4-trimethylbenzene	3.520	3.559	-1.1	99	0.00	15.81
91	M	sec-butylbenzene	4.844	4.890	-0.9	97	0.00	15.93
92	M	1,3-dichlorobenzene	2.098	1.999	4.7	98	0.00	16.04
93	M	p-isopropyltoluene	3.876	4.224	-9.0	103	0.00	16.10
94	M	1,4-dichlorobenzene	2.215	2.280	-2.9	102	0.00	16.10
95	M	1,2-dichlorobenzene	2.040	1.951	4.4	98	0.00	16.47
96	M	n-butylbenzene	3.782	3.877	-2.5	97	0.00	16.52
			Amount	Calc.	%Drift			
97	M	1,2-dibromo-3-chloropropa	50.000	57.879	-15.8	108	0.00	16.95
			AvgRF	CCRF	%Dev			
98		1,3,5-trichlorobenzene	1.335	1.165	12.7	87	0.00	17.76
99	M	1,2,4-trichlorobenzene	1.243	1.211	2.6	96	0.00	18.30
100	M	hexachlorobutadiene	0.651	0.630	3.2	98	0.00	18.60
101	M	naphthalene	3.337	3.380	-1.3	101	0.00	18.58
102	M	1,2,3-trichlorobenzene	1.196	1.162	2.8	97	0.00	18.79
103		2-methylnaphthalene	1.721	1.698	1.3	96	0.00	19.98
			Amount	Calc.	%Drift			
104		1-methylnaphthalene	25.000	24.374	2.5	98	0.00	20.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m58641.D M130821S.M Thu Aug 22 09:43:22 2013

Continuing Calibration Summary

Job Number: MC23735 **Sample:** MSM2028-CC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58807.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M130828.S\m58807.D Vial: 18
Acq On : 28 Aug 2013 4:11 pm Operator: krystend
Sample : cc2022-50 Inst : GCMS M
Misc : MS29769,MSM2028,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 22 08:41:20 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	109	0.00	6.84
2	M	tertiary butyl alcohol	1.342	1.427	-6.3	103	0.00	6.93
			Amount	Calc.	%Drift			
3		Ethanol	5000.000	5085.942	-1.7	98	0.02	5.68
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	118	0.00	9.36
5	M	dichlorodifluoromethane	0.705	0.849	-20.4#	125	0.00	4.43
6	P	chloromethane	1.095	1.097	-0.2	110	0.00	4.69
7	c	vinyl chloride	1.275	1.163	8.8	105	0.00	4.97
8	M	bromomethane	0.583	0.553	5.1	116	-0.01	5.50
9	M	chloroethane	0.410	0.406	1.0	113	0.00	5.68
10	M	ethyl ether	0.481	0.484	-0.6	109	0.00	6.58
			Amount	Calc.	%Drift			
11	M	acetonitrile	50.000	51.879	-3.8	117	0.00	6.58
			AvgRF	CCRF	%Dev			
12	M	trichlorofluoromethane	1.027	1.091	-6.2	113	0.00	6.34
13	M	freon-113	0.533	0.571	-7.1	111	0.00	7.15
			Amount	Calc.	%Drift			
14	M	acrolein	250.000	271.782	-8.7	105	0.01	6.34
			AvgRF	CCRF	%Dev			
15	c	1,1-dichloroethene	0.585	0.615	-5.1	119	0.00	6.95
16	M	acetone	0.110	0.126	-14.5	111	0.01	6.49
17	M	Methyl Acetate	0.807	0.775	4.0	96	0.00	7.13
18	M	methylene chloride	0.697	0.719	-3.2	122	0.00	7.11
19	M	methyl tert butyl ether	1.494	1.440	3.6	102	0.00	7.91
20	M	acrylonitrile	0.246	0.234	4.9	97	0.00	7.01
21	M	allyl chloride	1.158	1.088	6.0	108	0.00	7.20
22	M	trans-1,2-dichloroethene	0.676	0.685	-1.3	116	0.00	7.82
23	M	iodomethane	1.108	1.206	-8.8	120	0.00	7.02
24	M	carbon disulfide	1.967	2.099	-6.7	116	0.00	7.39
25	M	propionitrile	0.082	0.084	-2.4	108	0.00	8.16
26	M	vinyl acetate	1.403	1.392	0.8	100	0.00	8.18
27	M	chloroprene	1.019	1.000	1.9	108	0.00	8.45
28	M	di-isopropyl ether	2.444	2.344	4.1	105	0.00	8.49
29	M	methacrylonitrile	0.412	0.366	11.2	95	0.00	8.61

Continuing Calibration Summary

Job Number: MC23735 **Sample:** MSM2028-CC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58807.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
30	M	2-butanone	50.000	43.432	13.1	92	0.00	8.51
			AvgRF	CCRF	%Dev			
31	P	1,1-dichloroethane	1.091	1.078	1.2	109	0.00	8.08
32	M	tert-butyl ethyl ether	1.811	1.770	2.3	103	0.00	8.89
33	M	isobutyl alcohol	0.091	0.097	-6.6	122	0.00	8.88
34	M	2,2-dichloropropane	0.733	0.723	1.4	107	0.00	8.96
35	M	cis-1,2-dichloroethene	0.761	0.761	0.0	114	0.00	8.66
36	M	ethyl acetate	0.461	0.485	-5.2	117	0.00	8.88
37	M	bromochloromethane	0.340	0.356	-4.7	117	0.00	8.83
38	c	chloroform	1.132	1.114	1.6	109	0.00	8.86
39	S	dibromofluoromethane (s)	0.640	0.477	25.5#	82	0.00	8.99
40	M	Tetrahydrofuran	0.239	0.195	18.4	94	0.00	9.20
41	M	1,1,1-trichloroethane	0.921	0.935	-1.5	112	0.00	9.63
42	I	1,4-difluorobenzene	1.000	1.000	0.0	116	0.00	10.23
43	M	Cyclohexane	0.617	0.622	-0.8	107	0.00	9.92
44	M	carbon tetrachloride	0.511	0.535	-4.7	117	0.00	10.00
45	M	1,1-dichloropropene	0.513	0.522	-1.8	113	0.00	9.81
46	M	benzene	1.606	1.573	2.1	112	0.00	10.04
47	M	1,2-dichloroethane	0.507	0.494	2.6	102	0.00	9.53
48	M	tert-amyl methyl ether	0.867	0.852	1.7	104	0.00	10.15
49	M	heptane	0.681	0.697	-2.3	110	0.00	10.51
50	M	trichloroethene	0.425	0.430	-1.2	115	0.00	10.66
51	c	1,2-dichloropropane	0.417	0.413	1.0	108	0.00	10.62
52	M	dibromomethane	0.229	0.232	-1.3	108	0.00	10.60
53	M	bromodichloromethane	0.528	0.538	-1.9	108	0.00	10.72
54	M	Methylcyclohexane	0.650	0.677	-4.2	109	0.00	11.18
55	M	2-chloroethyl vinyl ether	0.166	0.155	6.6	99	0.00	11.09
56	M	methyl methacrylate	0.229	0.230	-0.4	100	0.00	10.80
			Amount	Calc.	%Drift			
57	M	1,4-dioxane	250.000	233.478	6.6	99	0.00	10.80
			AvgRF	CCRF	%Dev			
58	M	cis-1,3-dichloropropene	0.631	0.638	-1.1	109	0.00	11.34
59	S	toluene-d8 (s)	1.319	1.008	23.6#	83	0.00	12.04
60	M	4-methyl-2-pentanone	0.453	0.408	9.9	95	0.00	11.42
61	c	toluene	0.988	1.017	-2.9	114	0.00	12.12
62	M	trans-1,3-dichloropropene	0.522	0.528	-1.1	108	0.00	11.75
63	M	1,1,2-trichloroethane	0.280	0.286	-2.1	108	0.00	11.93
64	M	ethyl methacrylate	0.483	0.463	4.1	102	0.00	12.13
65	I	chlorobenzene-d5	1.000	1.000	0.0	115	0.00	13.51
66	M	tetrachloroethene	0.798	0.860	-7.8	117	0.00	12.86
67	M	1,3-dichloropropane	1.163	1.214	-4.4	106	0.00	12.16
68	M	dibromochloromethane	0.881	1.021	-15.9	117	0.00	12.46
69	M	1,2-dibromoethane	0.748	0.825	-10.3	110	0.00	12.72
70	M	2-hexanone	0.921	0.799	13.2	88	0.00	12.29
71	P	chlorobenzene	2.460	2.758	-12.1	117	0.00	13.55
72	M	1,1,1,2-tetrachloroethane	0.854	0.967	-13.2	118	0.00	13.46
73	c	ethylbenzene	3.980	4.324	-8.6	112	0.00	13.71
74	M	m,p-xylene	1.672	1.848	-10.5	115	0.00	13.90
75	M	o-xylene	1.665	1.854	-11.4	116	0.00	14.31
76	M	styrene	2.517	2.739	-8.8	114	0.00	14.24
77	P	bromoform	0.515	0.589	-14.4	116	0.00	14.07
78	M	trans-1,4-dichloro-2-bute	0.307	0.304	1.0	96	0.00	14.46

Continuing Calibration Summary

Job Number: MC23735 **Sample:** MSM2028-CC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58807.D
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	127	0.00	16.07
80	M	isopropylbenzene	4.233	4.303	-1.7	114	0.00	14.68
81	S	bromofluorobenzene (s)	0.971	0.739	23.9#	86	0.00	14.74
82	M	bromobenzene	0.999	1.004	-0.5	115	0.00	14.97
83	P	1,1,2,2-tetrachloroethane	1.044	0.982	5.9	102	0.00	14.32
84	M	1,2,3-trichloropropane	1.051	1.012	3.7	102	0.00	14.47
85	M	n-propylbenzene	4.902	4.880	0.4	110	0.00	15.12
86	M	2-chlorotoluene	2.880	2.884	-0.1	112	0.00	15.24
87	M	4-chlorotoluene	2.869	2.859	0.3	114	0.00	15.32
88	M	1,3,5-trimethylbenzene	3.582	3.647	-1.8	112	0.00	15.40
89	M	tert-butylbenzene	1.991	1.979	0.6	111	0.00	15.71
90	M	1,2,4-trimethylbenzene	3.520	3.613	-2.6	113	0.00	15.81
91	M	sec-butylbenzene	4.844	4.956	-2.3	111	0.00	15.93
92	M	1,3-dichlorobenzene	2.098	2.126	-1.3	117	0.00	16.04
93	M	p-isopropyltoluene	3.876	3.933	-1.5	108	0.00	16.10
94	M	1,4-dichlorobenzene	2.215	2.212	0.1	111	0.00	16.11
95	M	1,2-dichlorobenzene	2.040	2.043	-0.1	116	0.00	16.47
96	M	n-butylbenzene	3.782	3.761	0.6	106	0.00	16.52
			Amount	Calc.	%Drift			
97	M	1,2-dibromo-3-chloropropa	50.000	49.142	1.7	105	0.00	16.95
			AvgRF	CCRF	%Dev			
98		1,3,5-trichlorobenzene	1.335	1.280	4.1	108	0.00	17.76
99	M	1,2,4-trichlorobenzene	1.243	1.167	6.1	105	0.00	18.31
100	M	hexachlorobutadiene	0.651	0.602	7.5	105	0.00	18.60
101	M	naphthalene	3.337	3.264	2.2	110	0.00	18.58
102	M	1,2,3-trichlorobenzene	1.196	1.132	5.4	107	0.00	18.79
103		2-methylnaphthalene	1.721	1.682	2.3	107	0.00	19.97
			Amount	Calc.	%Drift			
104		1-methylnaphthalene	25.000	24.974	0.1	113	0.00	20.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m58641.D M130821S.M Wed Aug 28 16:38:24 2013

New England ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/29/13 09:36

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58829.D
Acq On : 29 Aug 2013 2:57 am
Operator : krystend
Sample : mc23735-1
Misc : MS29769,MSM2028,4.963,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Aug 29 08:43:51 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	254604	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	339239	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	572836	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	243072	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	237758	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	183066	42.16	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.32%			
59) toluene-d8 (s)	12.043	98	644592	42.65	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 85.30%			
81) bromofluorobenzene (s)	14.738	95	212740	46.07	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.14%			
Target Compounds						Qvalue
18) methylene chloride	7.112	84	13362	2.83	ug/kg#	79
24) carbon disulfide	7.395	76	41665	3.12	ug/kg	97
31) 1,1-dichloroethane	8.069	63	5622	0.76	ug/kg	95
35) cis-1,2-dichloroethene	8.655	96	2310	0.45	ug/kg#	52
43) Cyclohexane	9.914	56	15803	2.24	ug/kg	84
46) benzene	10.036	78	11596	0.63	ug/kg	89
49) heptane	10.514	43	24532	3.15	ug/kg	97
50) trichloroethene	10.655	95	2875m	0.59	ug/kg	
54) Methylcyclohexane	11.181	83	29374	3.95	ug/kg	95
61) toluene	12.117	92	11901	1.05	ug/kg	92
74) m,p-xylene	13.902	106	6269	0.77	ug/kg	98
88) 1,3,5-trimethylbenzene	15.398	105	4970	0.29	ug/kg	90
90) 1,2,4-trimethylbenzene	15.809	105	6678	0.40	ug/kg	99
101) naphthalene	18.584	128	61332	3.86	ug/kg	100
103) 2-methylnaphthalene	19.972	142	25756	3.15	ug/kg#	80

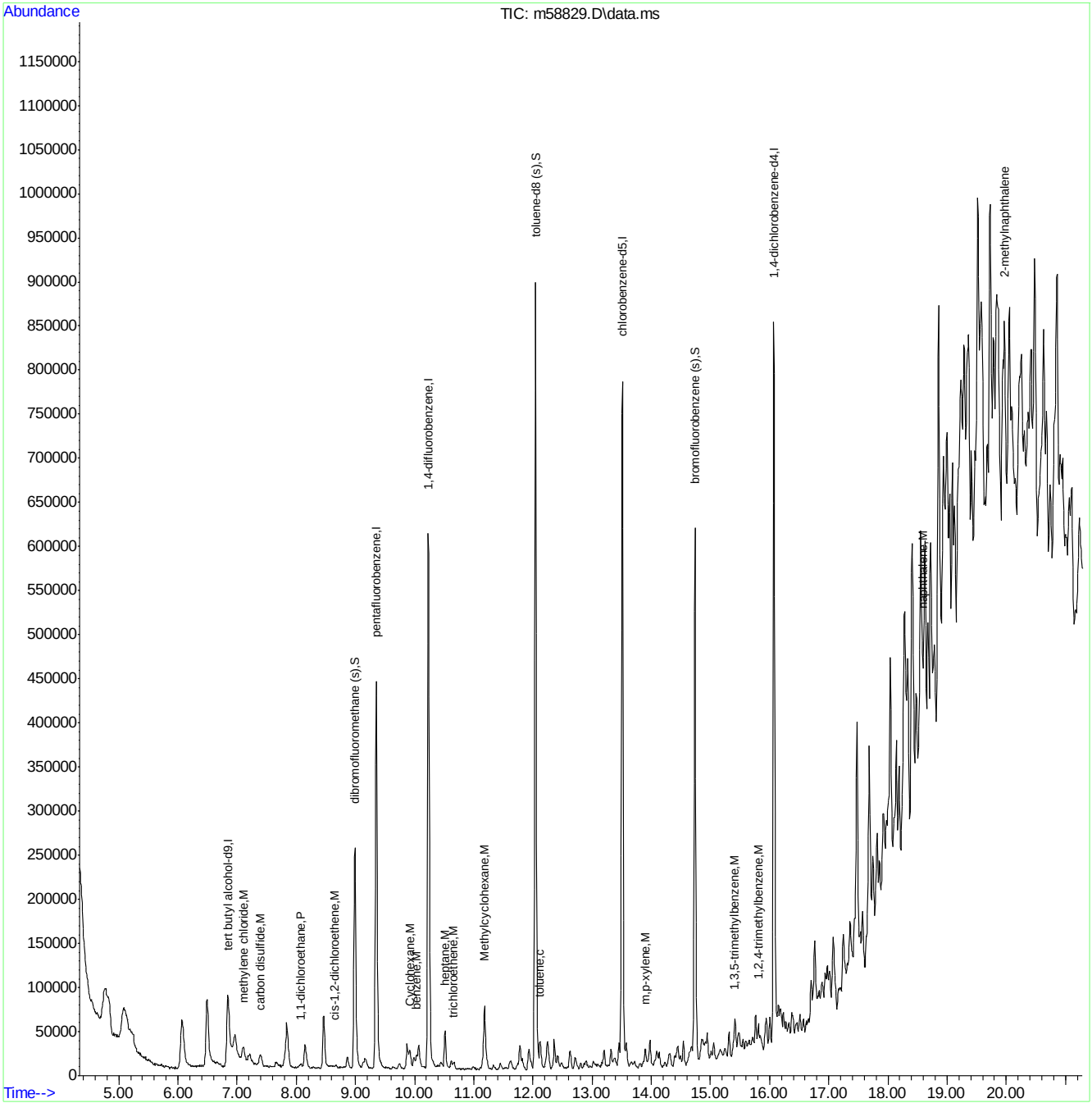
(#) = qualifier out of range (m) = manual integration (+) = signals summed

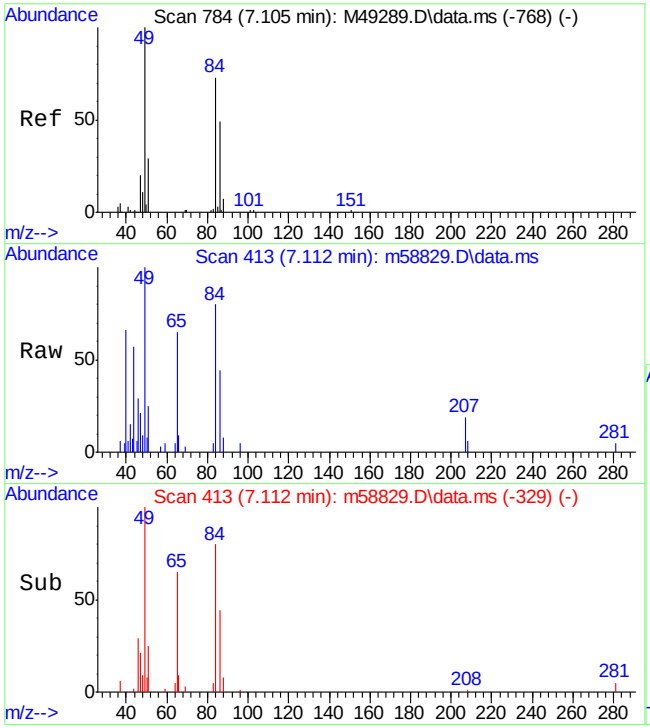
7.1.1
7

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58829.D
Acq On : 29 Aug 2013 2:57 am
Operator : krystend
Sample : mc23735-1
Misc : MS29769,MSM2028,4.963,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Aug 29 08:43:51 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

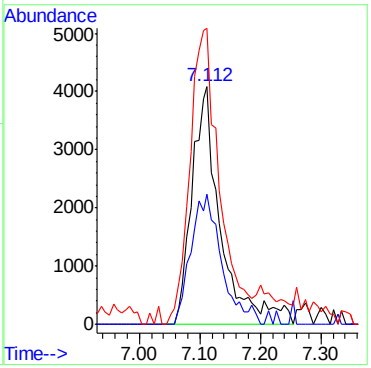


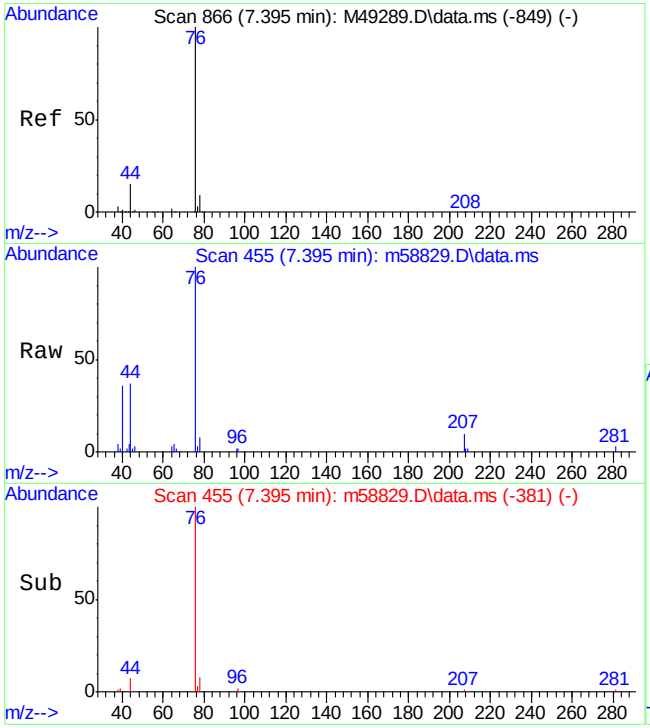


#18
methylene chloride
Concen: 2.83 ug/kg
RT: 7.112 min Scan# 413
Delta R.T. 0.007 min
Lab File: m58829.D
Acq: 29 Aug 2013 2:57 am

Tgt Ion: 84 Resp: 13362

Ion	Ratio	Lower	Upper
84	100		
86	54.7	37.2	97.2
49	124.5	125.7	185.7#

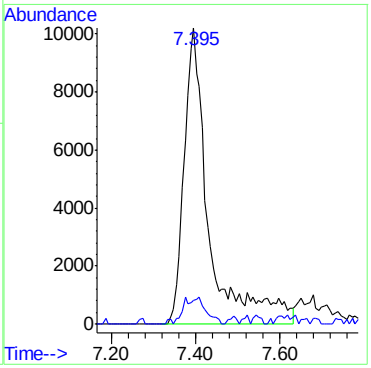


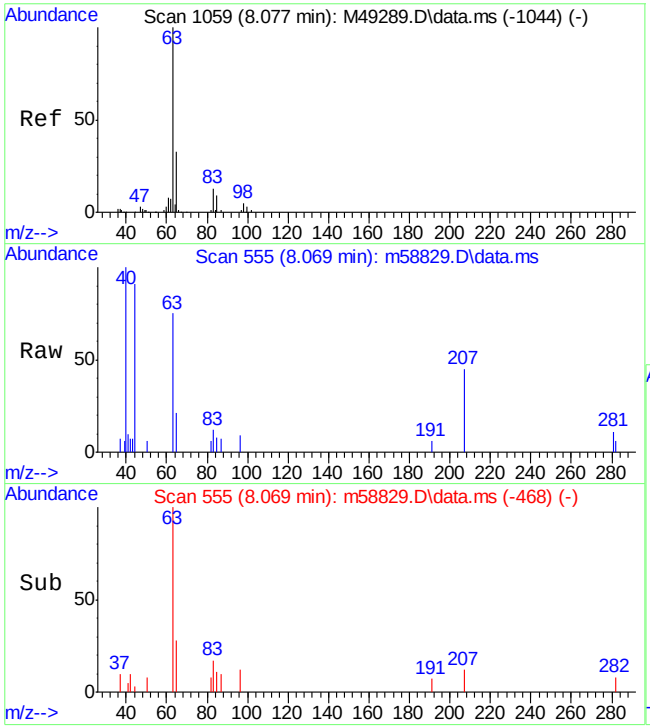


#24
carbon disulfide
Concen: 3.12 ug/kg
RT: 7.395 min Scan# 455
Delta R.T. 0.000 min
Lab File: m58829.D
Acq: 29 Aug 2013 2:57 am

Tgt Ion: 76 Resp: 41665

Ion	Ratio	Lower	Upper
76	100		
78	7.9	0.0	39.1

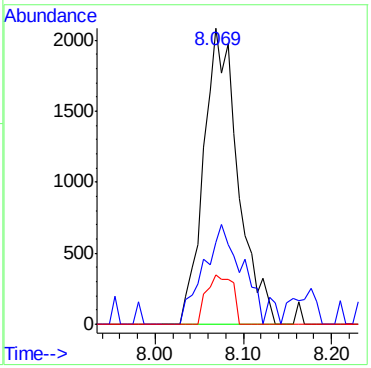


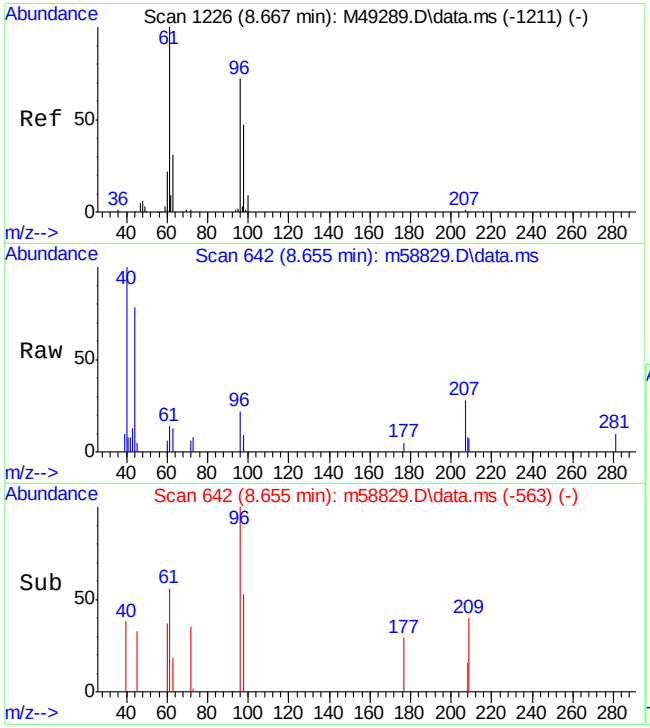


#31
1,1-dichloroethane
Concen: 0.76 ug/kg
RT: 8.069 min Scan# 555
Delta R.T. -0.006 min
Lab File: m58829.D
Acq: 29 Aug 2013 2:57 am

Tgt Ion: 63 Resp: 5622

Ion	Ratio	Lower	Upper
63	100		
65	27.6	0.0	59.0
83	16.5	0.0	42.5

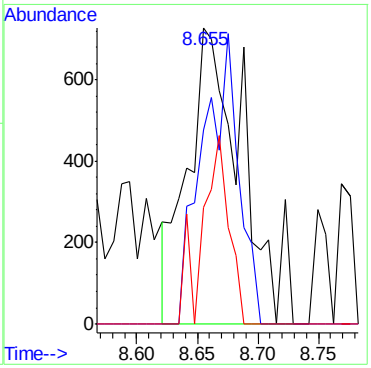


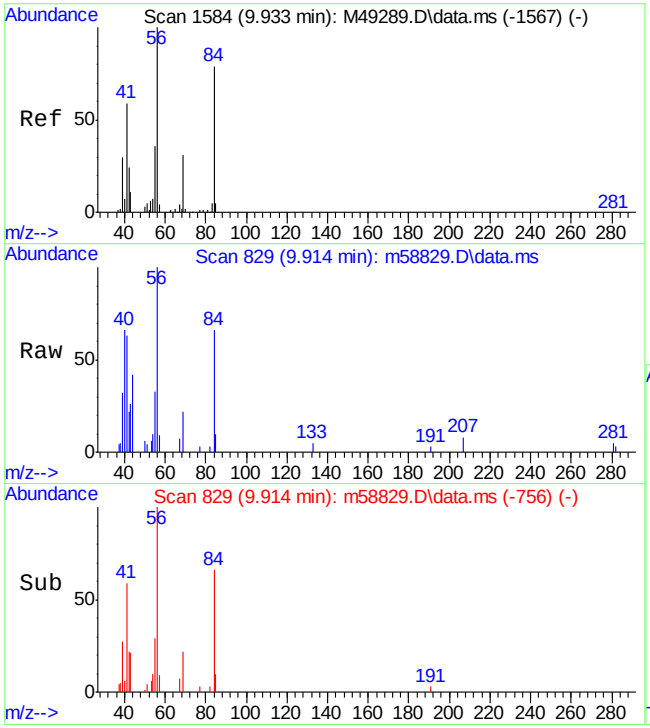


#35
cis-1,2-dichloroethene
Concen: 0.45 ug/kg
RT: 8.655 min Scan# 642
Delta R.T. -0.000 min
Lab File: m58829.D
Acq: 29 Aug 2013 2:57 am

Tgt Ion: 96 Resp: 2310

Ion	Ratio	Lower	Upper
96	100		
61	65.6	102.0	162.0#
98	39.3	32.2	92.2

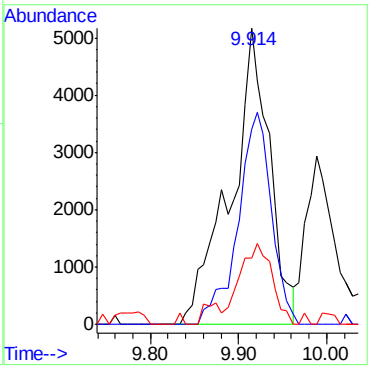


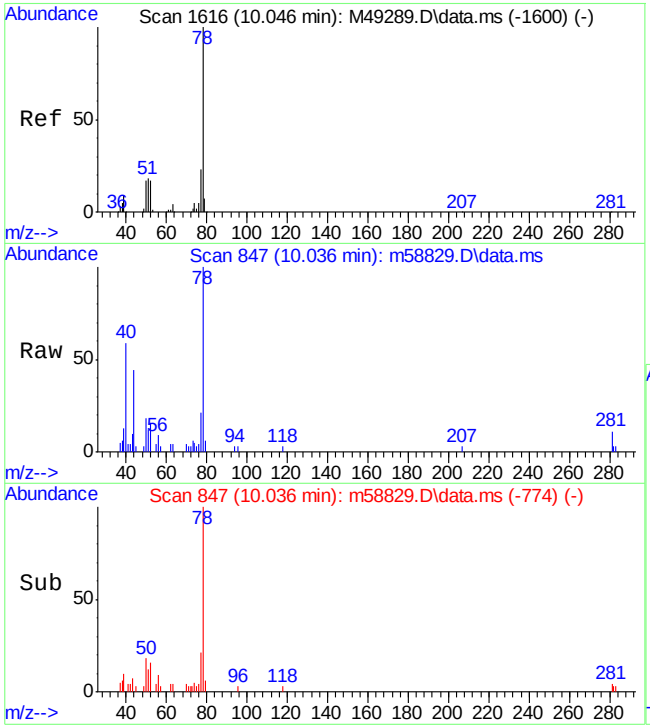


#43
Cyclohexane
Concen: 2.24 ug/kg
RT: 9.914 min Scan# 829
Delta R.T. -0.007 min
Lab File: m58829.D
Acq: 29 Aug 2013 2:57 am

Tgt Ion: 56 Resp: 15803

Ion	Ratio	Lower	Upper
56	100		
84	65.8	61.8	101.8
69	22.4	7.1	47.1

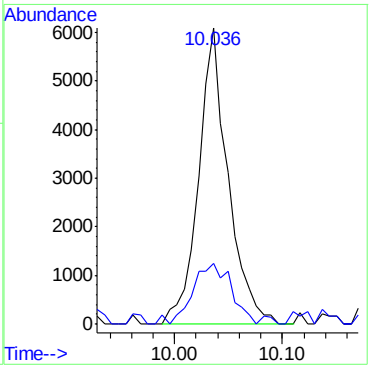


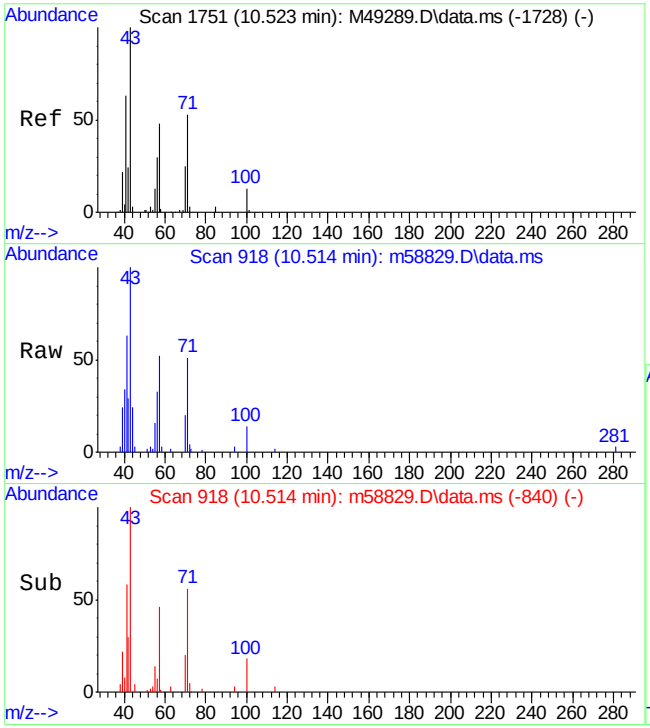


#46
benzene
Concen: 0.63 ug/kg
RT: 10.036 min Scan# 847
Delta R.T. -0.000 min
Lab File: m58829.D
Acq: 29 Aug 2013 2:57 am

Tgt Ion: 78 Resp: 11596

Ion	Ratio	Lower	Upper
78	100		
77	17.5	0.0	52.6

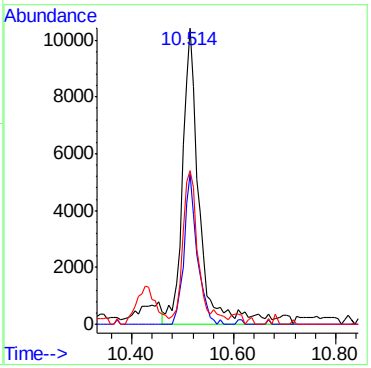


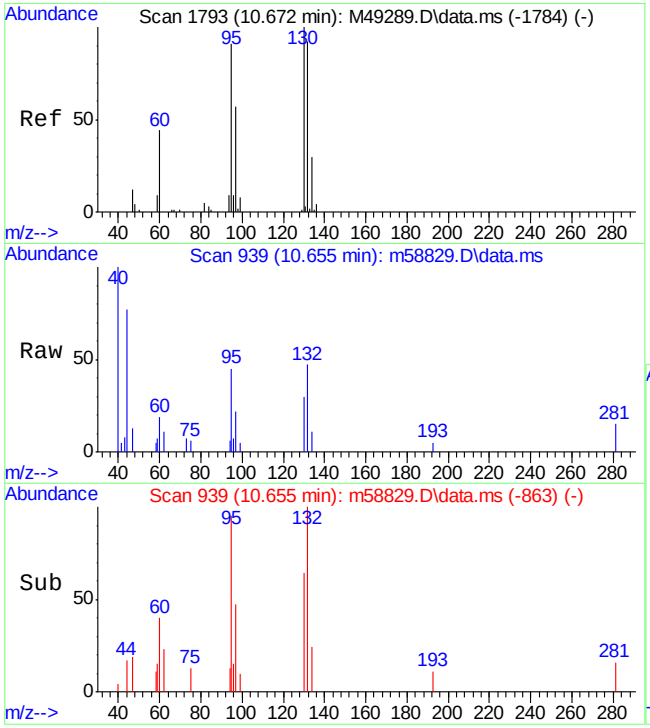


#49
heptane
Concen: 3.15 ug/kg
RT: 10.514 min Scan# 918
Delta R.T. 0.007 min
Lab File: m58829.D
Acq: 29 Aug 2013 2:57 am

Tgt Ion: 43 Resp: 24532

Ion	Ratio	Lower	Upper
43	100		
71	50.9	18.2	78.2
57	50.5	18.7	78.7

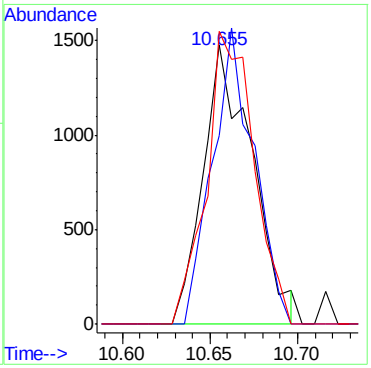


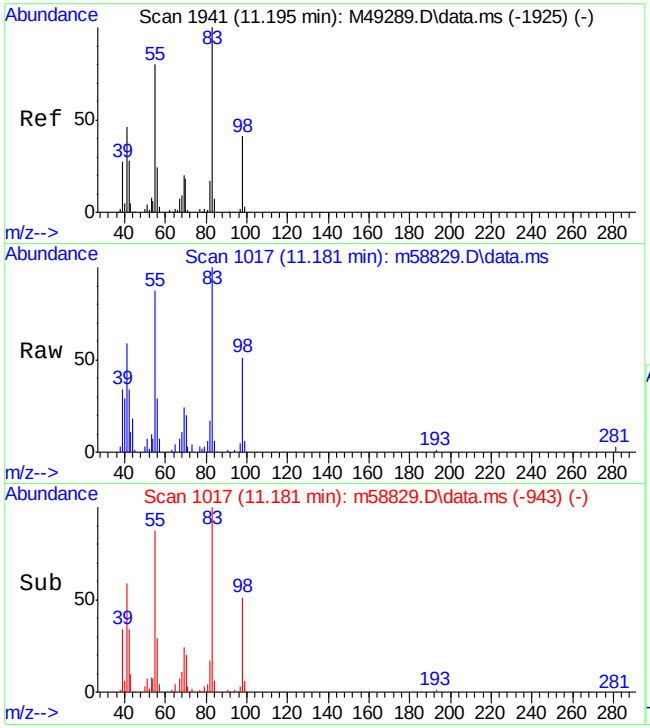


#50
trichloroethene
Concen: 0.59 ug/kg m
RT: 10.655 min Scan# 939
Delta R.T. -0.007 min
Lab File: m58829.D
Acq: 29 Aug 2013 2:57 am

Tgt Ion: 95 Resp: 2875

Ion	Ratio	Lower	Upper
95	100		
130	67.4	73.0	133.0#
132	104.7	70.3	130.3

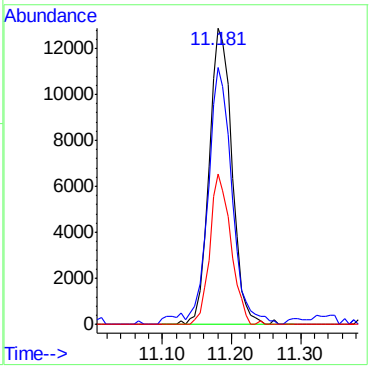


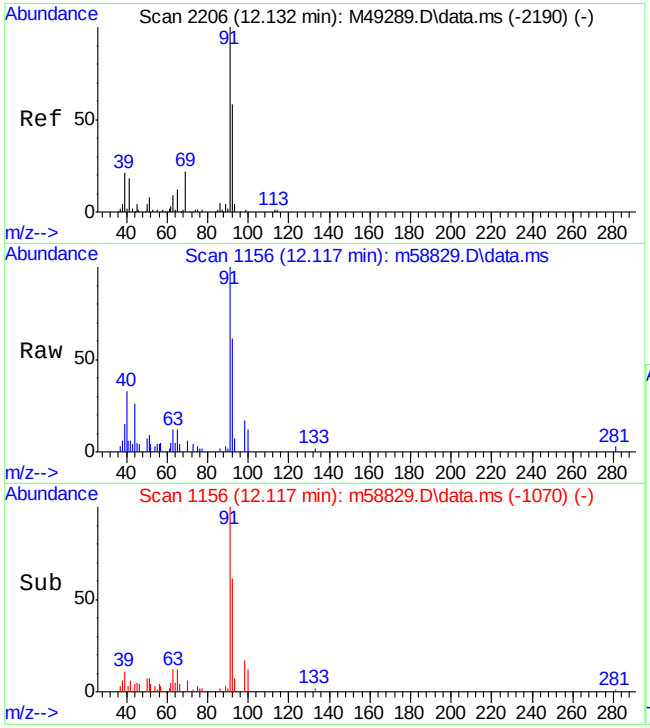


#54
Methylcyclohexane
Concen: 3.95 ug/kg
RT: 11.181 min Scan# 1017
Delta R.T. -0.000 min
Lab File: m58829.D
Acq: 29 Aug 2013 2:57 am

Tgt Ion: 83 Resp: 29374

Ion	Ratio	Lower	Upper
83	100		
55	84.7	63.6	103.6
98	50.9	23.6	63.6

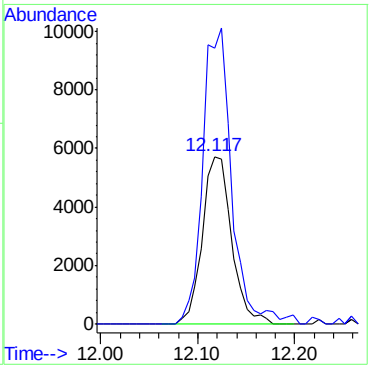


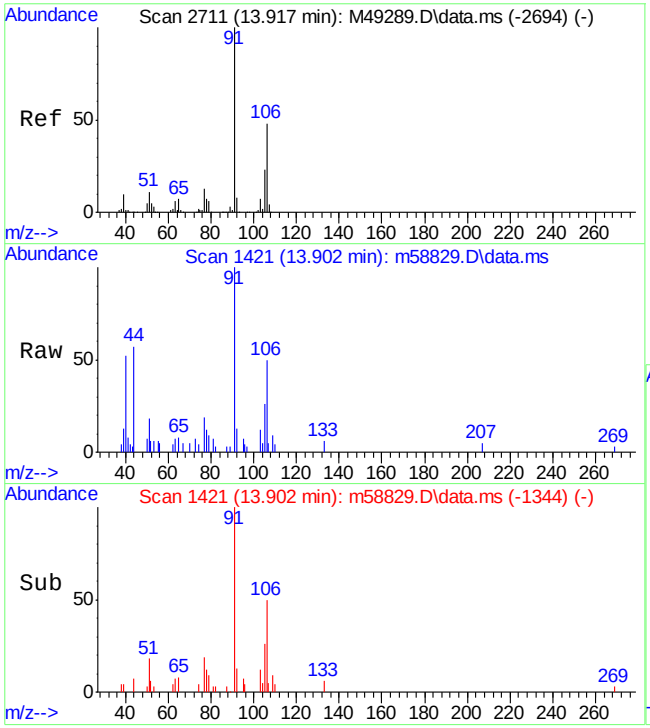


#61
toluene
Concen: 1.05 ug/kg
RT: 12.117 min Scan# 1156
Delta R.T. 0.000 min
Lab File: m58829.D
Acq: 29 Aug 2013 2:57 am

Tgt Ion: 92 Resp: 11901

Ion	Ratio	Lower	Upper
92	100		
91	164.6	145.9	205.9

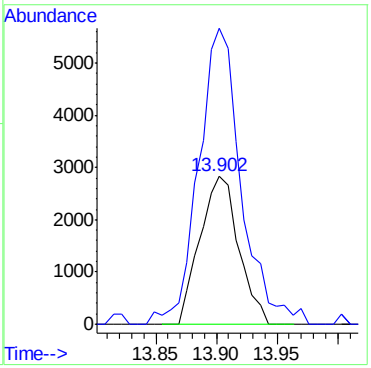


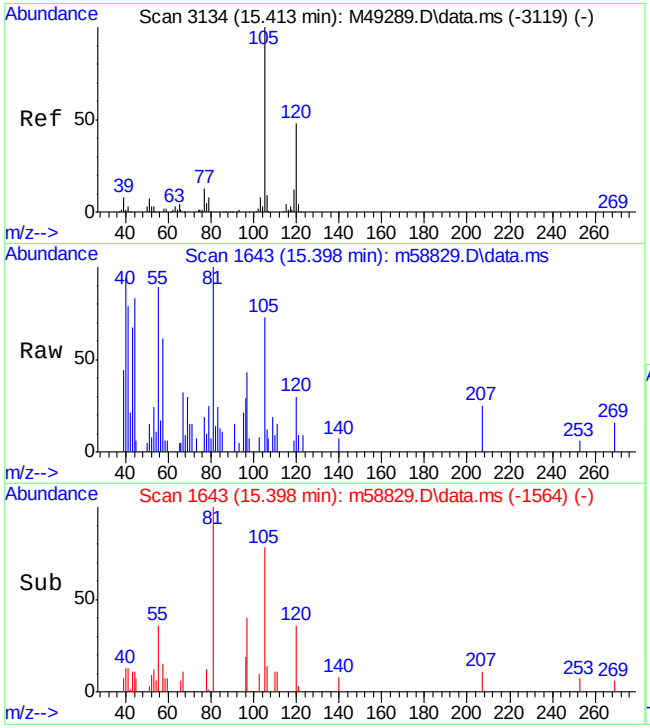


#74
m,p-xylene
Concen: 0.77 ug/kg
RT: 13.902 min Scan# 1421
Delta R.T. 0.000 min
Lab File: m58829.D
Acq: 29 Aug 2013 2:57 am

Tgt Ion:106 Resp: 6269

Ion	Ratio	Lower	Upper
106	100		
91	193.2	166.0	226.0

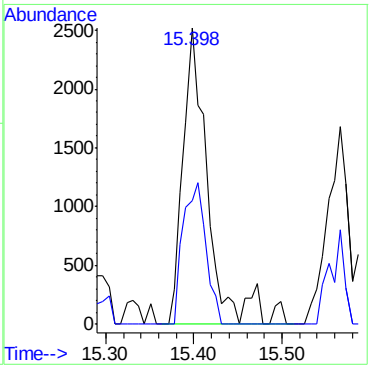


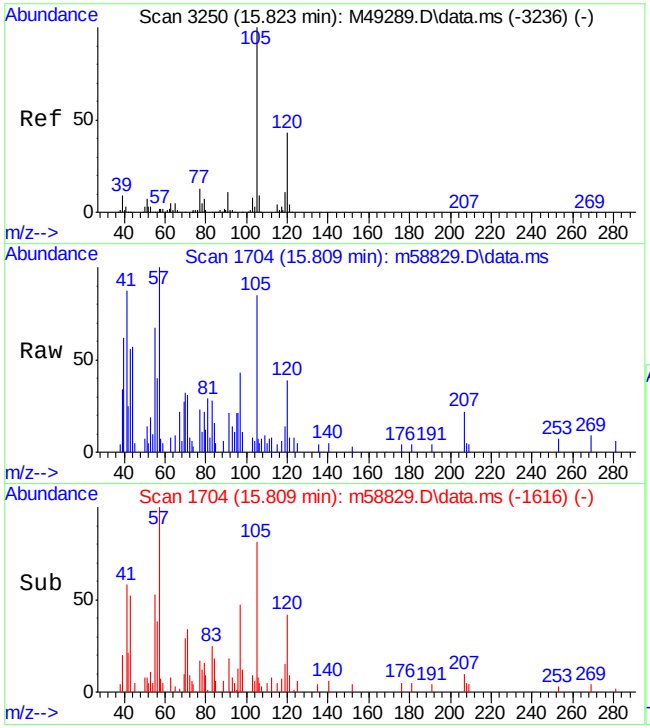


#88
1,3,5-trimethylbenzene
Concen: 0.29 ug/kg
RT: 15.398 min Scan# 1643
Delta R.T. -0.000 min
Lab File: m58829.D
Acq: 29 Aug 2013 2:57 am

Tgt Ion:105 Resp: 4970

Ion	Ratio	Lower	Upper
105	100		
120	41.7	18.7	78.7

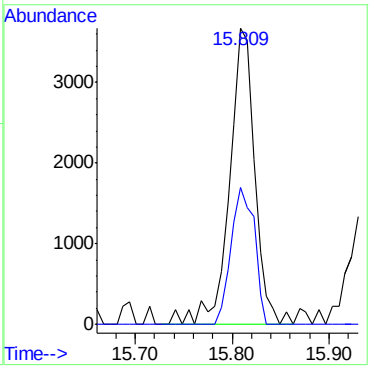


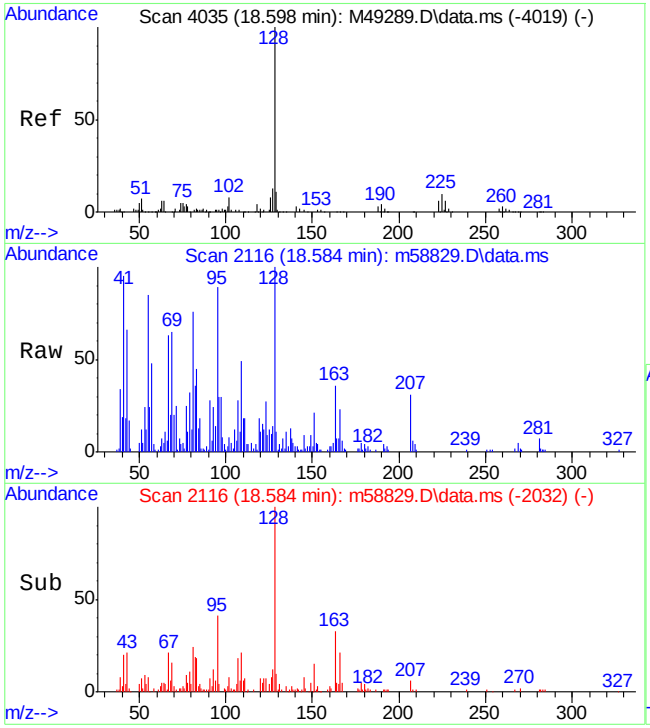


#90
1,2,4-trimethylbenzene
Concen: 0.40 ug/kg
RT: 15.809 min Scan# 1704
Delta R.T. -0.000 min
Lab File: m58829.D
Acq: 29 Aug 2013 2:57 am

Tgt Ion:105 Resp: 6678

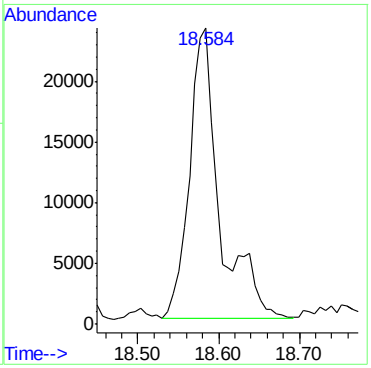
Ion	Ratio	Lower	Upper
105	100		
120	46.2	16.7	76.7

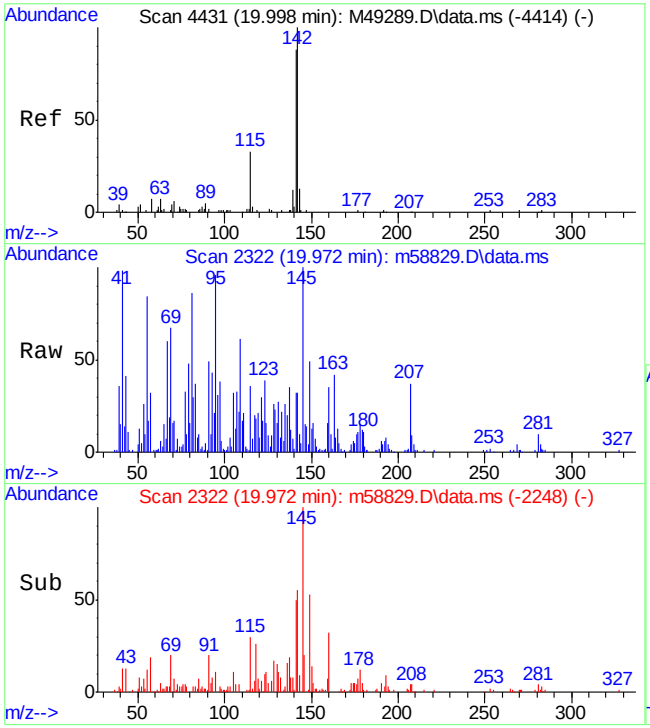




#101
naphthalene
Concen: 3.86 ug/kg
RT: 18.584 min Scan# 2116
Delta R.T. 0.007 min
Lab File: m58829.D
Acq: 29 Aug 2013 2:57 am

Tgt Ion:128 Resp: 61332

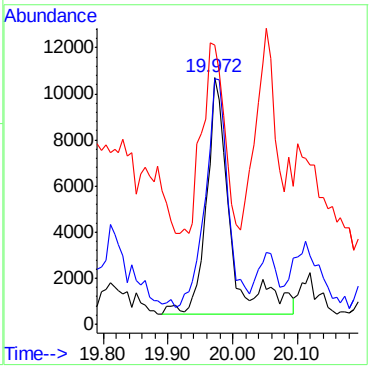




#103
2-methylnaphthalene
Concen: 3.15 ug/kg
RT: 19.972 min Scan# 2322
Delta R.T. -0.000 min
Lab File: m58829.D
Acq: 29 Aug 2013 2:57 am

Tgt Ion:142 Resp: 25756

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.3	106.9
115	73.3	25.8	38.6#



7.1.1

7

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58829.D
Acq On : 29 Aug 2013 2:57 am
Operator : krystend
Sample : mc23735-1
Misc : MS29769,MSM2028,4.963,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

Signal : TIC: m58829.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.068	245	258	311	rBV2	55550	279507	6.63%	1.162%
2	6.492	311	321	361	rVV	77880	340363	8.08%	1.415%
3	6.843	361	373	405	rVV2	82880	528268	12.54%	2.196%
4	7.105	405	412	445	rVV8	24218	196052	4.65%	0.815%
5	7.395	445	455	489	rVV2	15181	85016	2.02%	0.353%
6	7.665	489	495	507	rVV7	7144	28978	0.69%	0.120%
7	7.840	507	521	545	rVB2	52128	179497	4.26%	0.746%
8	8.150	545	567	585	rBV4	26809	94340	2.24%	0.392%
9	8.466	605	614	667	rBV	58903	180995	4.30%	0.752%
10	8.857	667	672	683	rVV5	13104	36159	0.86%	0.150%
11	8.992	683	692	709	rVV	250582	603521	14.32%	2.509%
12	9.160	709	717	735	rVV10	11443	50865	1.21%	0.211%
13	9.349	735	745	781	rVV	439029	977979	23.21%	4.066%
14	9.632	781	787	795	rVV6	2408	6771	0.16%	0.028%
15	9.746	795	804	815	rVV6	6246	20592	0.49%	0.086%
16	9.874	815	823	835	rVV3	29251	117262	2.78%	0.487%
17	9.989	835	840	845	rVV6	13737	38875	0.92%	0.162%
18	10.069	845	852	869	rVV3	27434	99799	2.37%	0.415%
19	10.231	869	876	901	rVV	607411	1280065	30.38%	5.321%
20	10.447	901	908	913	rVV9	8663	27114	0.64%	0.113%
21	10.514	913	918	929	rVV2	44517	97792	2.32%	0.407%
22	10.622	929	934	957	rVB2	10340	49334	1.17%	0.205%
23	10.804	957	961	967	rBV4	1820	4865	0.12%	0.020%
24	10.905	967	976	983	rBV8	2213	8470	0.20%	0.035%
25	10.992	983	989	997	rVB5	3619	10287	0.24%	0.043%
26	11.181	1003	1017	1035	rBV3	72909	204438	4.85%	0.850%
27	11.329	1035	1039	1051	rVB6	5315	12176	0.29%	0.051%
28	11.450	1051	1057	1073	rBV9	7358	25440	0.60%	0.106%
29	11.626	1073	1083	1091	rVB10	9876	34114	0.81%	0.142%
30	11.780	1091	1106	1121	rVB3	27669	99247	2.36%	0.413%
31	11.935	1121	1129	1137	rBV2	23856	67685	1.61%	0.281%
32	12.043	1137	1145	1153	rBV	890442	1656462	39.31%	6.886%
33	12.124	1153	1157	1165	rVB2	29470	65693	1.56%	0.273%
34	12.239	1165	1174	1185	rBV3	30018	82609	1.96%	0.343%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58829.D
Acq On : 29 Aug 2013 2:57 am
Operator : krystend
Sample : mc23735-1
Misc : MS29769,MSM2028,4.963,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

35	12.360	1185	1192	1207	rBV3	31887	88269	2.10%	0.367%
36	12.488	1207	1211	1221	rVB9	6674	16091	0.38%	0.067%
37	12.629	1221	1232	1239	rBV6	19346	46037	1.09%	0.191%
38	12.710	1239	1244	1253	rVB6	12683	30243	0.72%	0.126%
39	12.804	1253	1258	1263	rBV5	6797	11170	0.27%	0.046%
40	12.892	1263	1271	1285	rBV7	8542	31338	0.74%	0.130%
41	13.020	1285	1290	1307	rBV5	7784	26228	0.62%	0.109%
42	13.202	1307	1317	1329	rBV4	18324	41559	0.99%	0.173%
43	13.316	1329	1334	1349	rBV6	19359	62419	1.48%	0.259%
44	13.512	1349	1363	1379	rVB	776793	1569757	37.26%	6.526%
45	13.721	1381	1394	1401	rVB10	7966	31863	0.76%	0.132%
46	13.808	1401	1407	1411	rBV7	4275	8879	0.21%	0.037%
47	13.902	1411	1421	1425	rBV2	19400	47030	1.12%	0.196%
48	13.983	1425	1433	1441	rVB4	29086	64829	1.54%	0.269%
49	14.091	1441	1449	1465	rVB7	17406	75555	1.79%	0.314%
50	14.232	1465	1470	1473	rBV4	4558	7211	0.17%	0.030%
51	14.313	1473	1482	1491	rBV4	13546	40317	0.96%	0.168%
52	14.448	1491	1502	1511	rBV10	22292	96987	2.30%	0.403%
53	14.542	1511	1516	1523	rVB4	27218	47718	1.13%	0.198%
54	14.738	1523	1545	1555	rBV	608595	1219226	28.94%	5.068%
55	14.940	1555	1575	1583	rVV	29670	168142	3.99%	0.699%
56	15.054	1587	1592	1601	rVB6	17394	32634	0.77%	0.136%
57	15.317	1625	1631	1637	rVB3	27437	42041	1.00%	0.175%
58	15.418	1637	1646	1651	rBV6	42603	111911	2.66%	0.465%
59	15.768	1693	1698	1717	rVB5	38773	159304	3.78%	0.662%
60	15.944	1717	1724	1729	rBV6	35786	83890	1.99%	0.349%
61	16.004	1729	1733	1737	rVB4	29383	46250	1.10%	0.192%
62	16.072	1737	1743	1785	rBV	817434	1854801	44.02%	7.711%
63	16.698	1831	1836	1841	rBV4	47317	103953	2.47%	0.432%
64	16.759	1841	1845	1887	rVV4	82000	554247	13.15%	2.304%
65	17.358	1913	1934	1943	rBV4	79455	519368	12.33%	2.159%
66	17.473	1945	1951	1975	rVB5	260546	588354	13.96%	2.446%
67	18.045	1975	2036	2063	rBV5	315768	4213308	100.00%	17.515%
68	18.281	2065	2071	2085	rVB8	229753	1024008	24.30%	4.257%
69	18.409	2085	2090	2107	rBV4	303749	1149806	27.29%	4.780%
70	18.557	2107	2112	2151	rVV10	230650	2250065	53.40%	9.354%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58829.D
Acq On : 29 Aug 2013 2:57 am
Operator : krystend
Sample : mc23735-1
Misc : MS29769,MSM2028,4.963,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

Sum of corrected areas: 24055438

LSC Report - Integrated Chromatogram

```
Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58829.D
Acq On    : 29 Aug 2013   2:57 am
Operator  : krystend
Sample    : mc23735-1
Misc      : MS29769,MSM2028,4.963,,,5,1
ALS Vial  : 40   Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title  : SW-846 Method 8260

TIC Library   : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P
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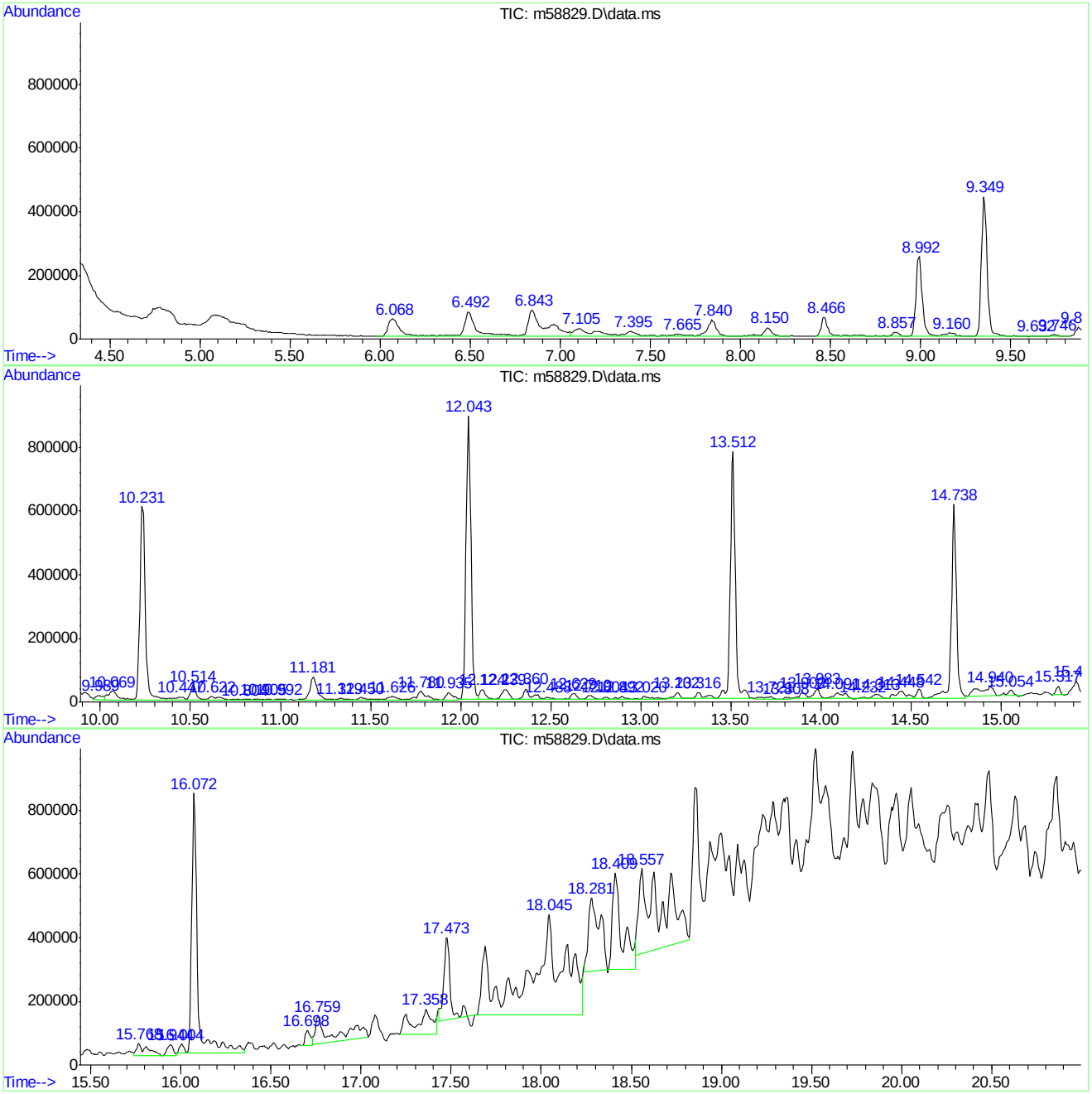


ACCUTEST LABORATORIES MC23735

Library Search Compound Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58829.D
Acq On : 29 Aug 2013 2:57 am
Operator : krystend
Sample : mc23735-1
Misc : MS29769,MSM2028,4.963,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

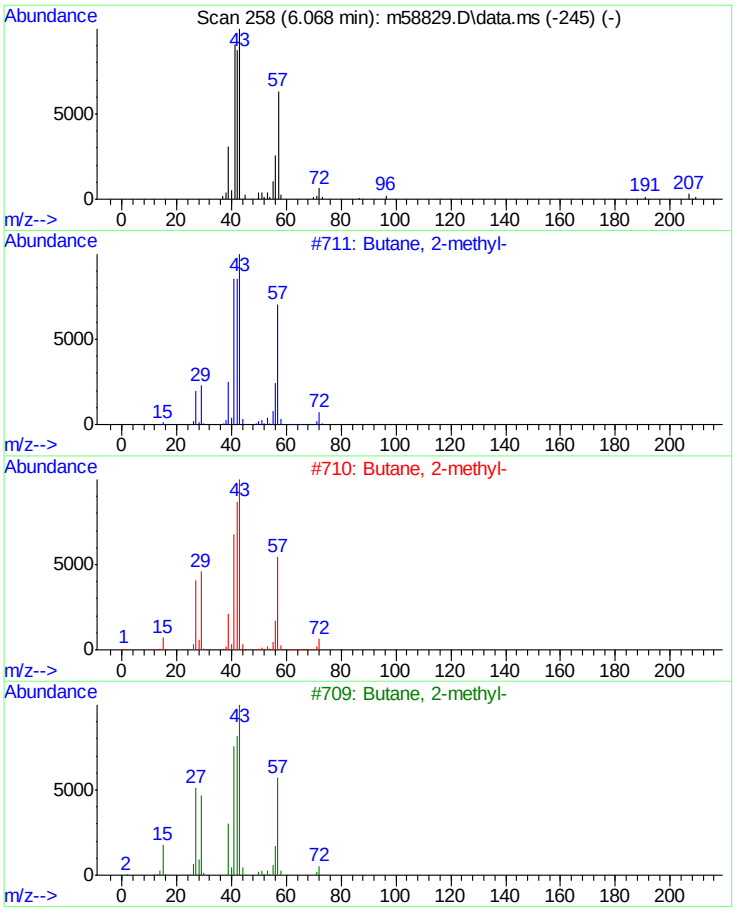
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

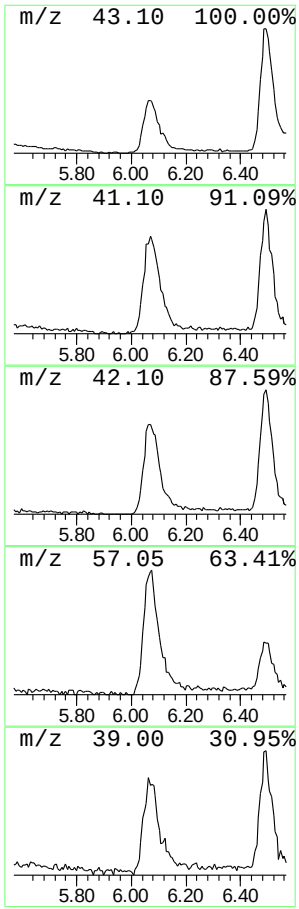
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.068	14.29 ug/kg	279507	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2	Butane, 2-methyl-	72	C5H12	000078-78-4	80
3	Butane, 2-methyl-	72	C5H12	000078-78-4	80
4	3-Buten-1-ol	72	C4H8O	000627-27-0	43
5	Isobutylene epoxide	72	C4H8O	000558-30-5	42





Library Search Compound Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58829.D
Acq On : 29 Aug 2013 2:57 am
Operator : krystend
Sample : mc23735-1
Misc : MS29769,MSM2028,4.963,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

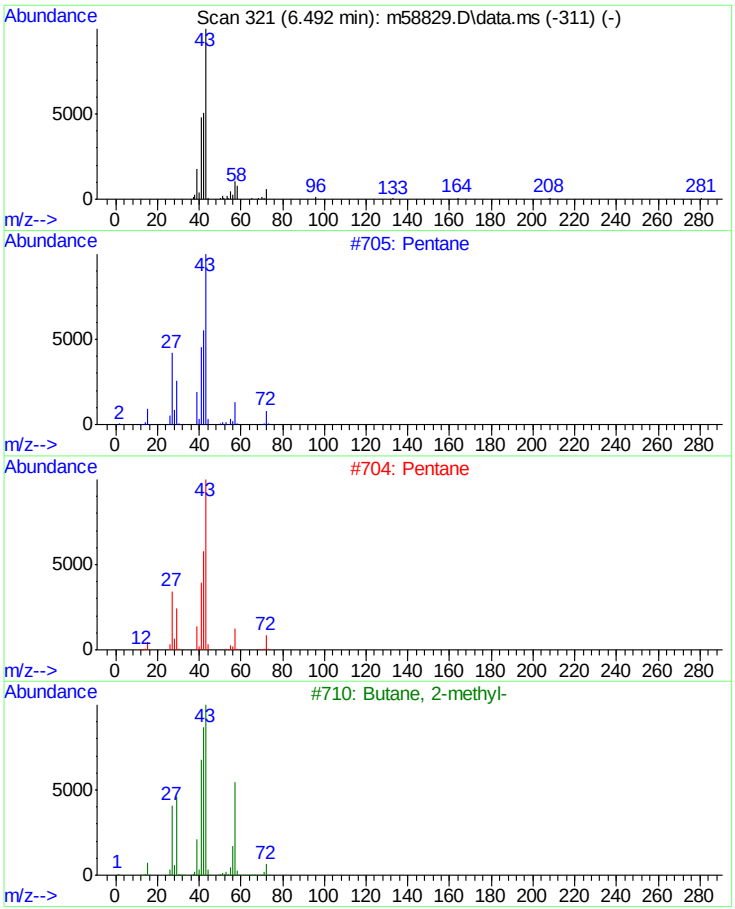
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

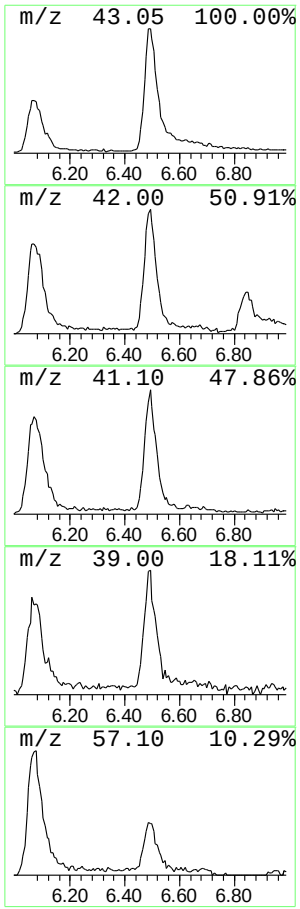
****

Peak Number 2 Pentane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.492	17.40 ug/kg	340363	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	80
2	Pentane	72	C5H12	000109-66-0	64
3	Butane, 2-methyl-	72	C5H12	000078-78-4	42
4	Butane, 2-methyl-	72	C5H12	000078-78-4	42
5	Isobutane	58	C4H10	000075-28-5	37





Library Search Compound Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58829.D
Acq On : 29 Aug 2013 2:57 am
Operator : krystend
Sample : mc23735-1
Misc : MS29769,MSM2028,4.963,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

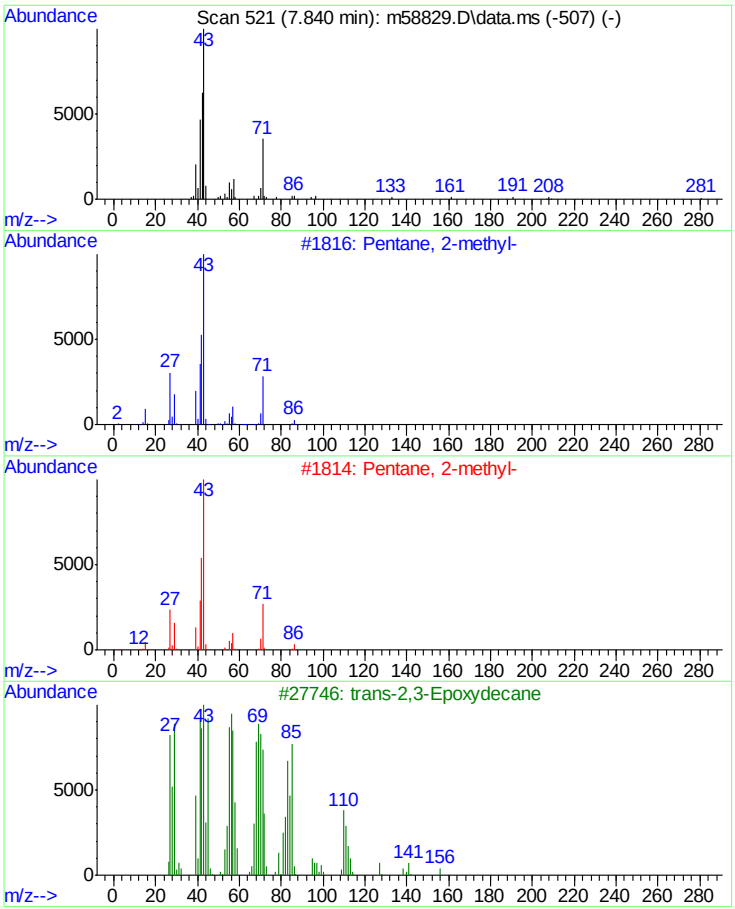
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

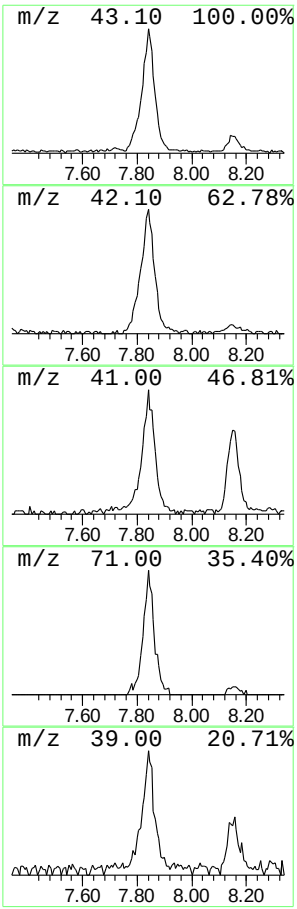
****

Peak Number 3 Pentane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.840	9.18 ug/kg	179497	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	80
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	80
3	trans-2,3-Epoxydecane	156	C10H20O	054125-39-2	50
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	50
5	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	40





Library Search Compound Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58829.D
Acq On : 29 Aug 2013 2:57 am
Operator : krystend
Sample : mc23735-1
Misc : MS29769,MSM2028,4.963,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

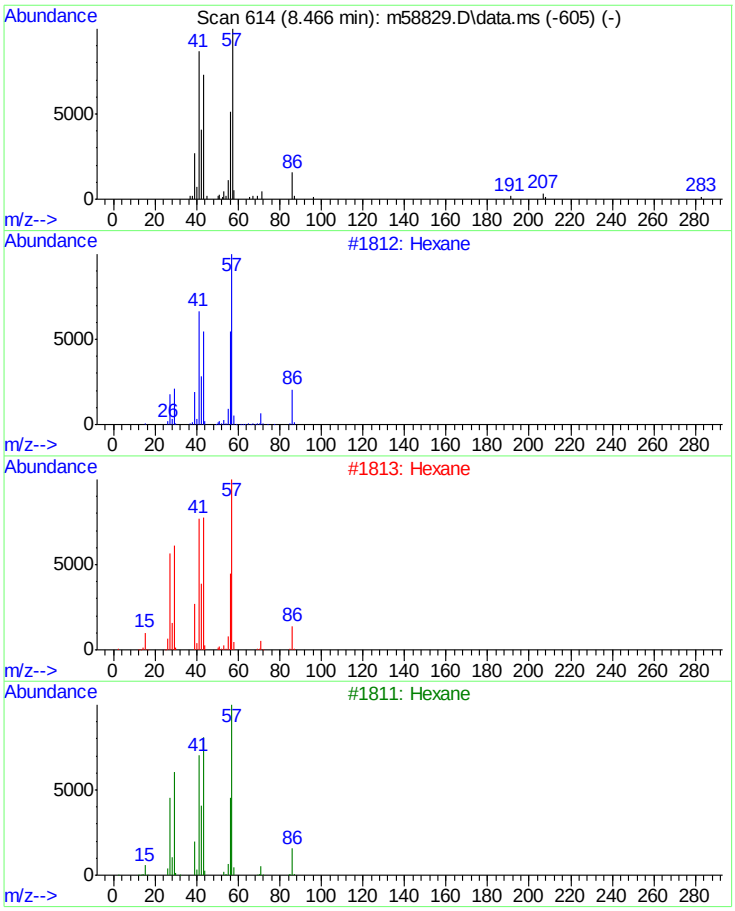
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

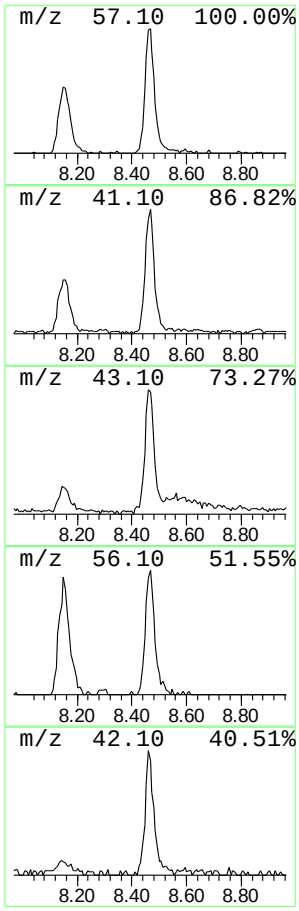
****

Peak Number 4 Hexane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.466	9.25 ug/kg	180995	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	90
2	Hexane	86	C6H14	000110-54-3	90
3	Hexane	86	C6H14	000110-54-3	87
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	38
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	38





Library Search Compound Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58829.D
Acq On : 29 Aug 2013 2:57 am
Operator : krystend
Sample : mc23735-1
Misc : MS29769,MSM2028,4.963,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

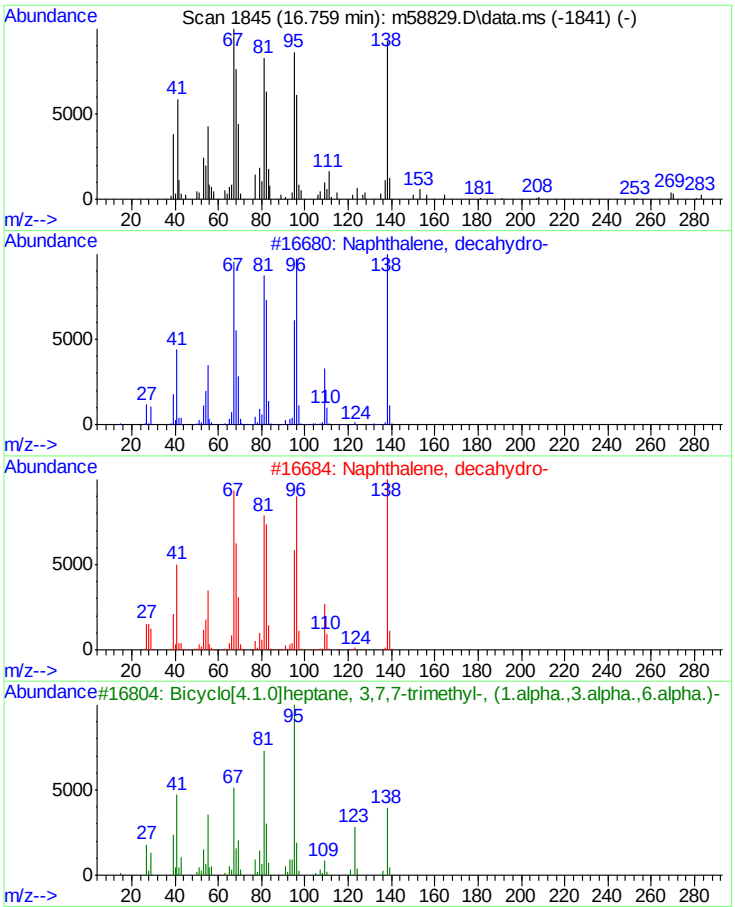
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

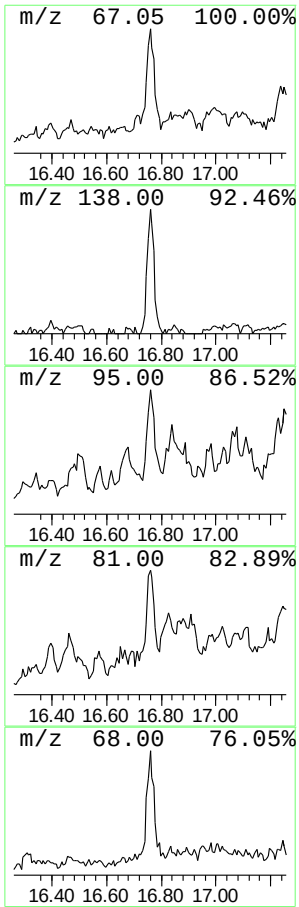
****

Peak Number 5 Naphthalene, decahydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.759	14.94 ug/kg	554247	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	91
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	87
3	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	86
4	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	83
5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	74





Library Search Compound Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58829.D
Acq On : 29 Aug 2013 2:57 am
Operator : krystend
Sample : mc23735-1
Misc : MS29769,MSM2028,4.963,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

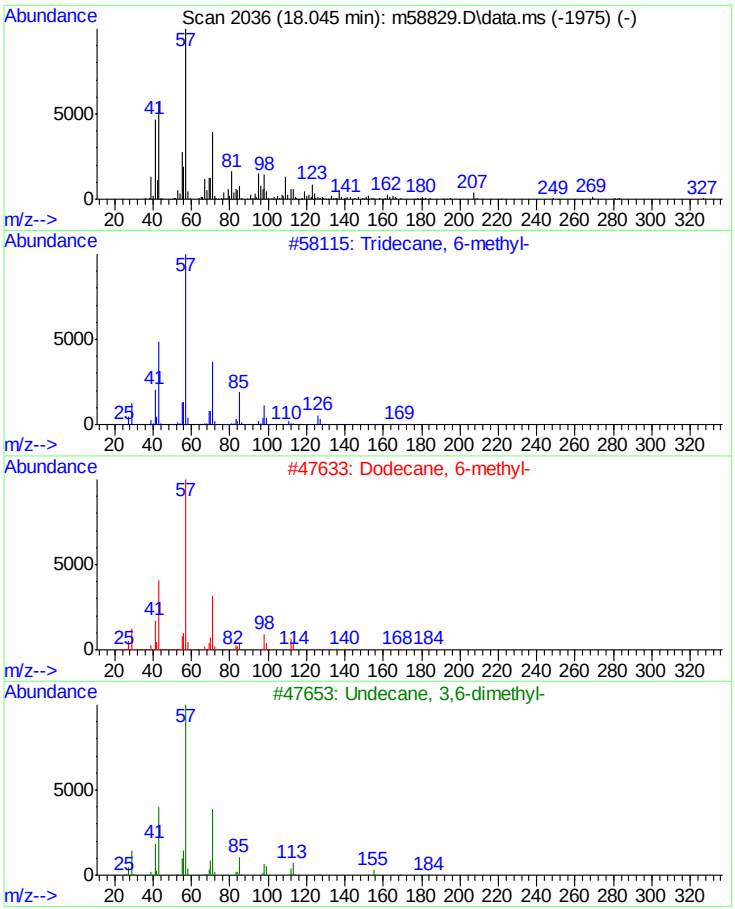
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

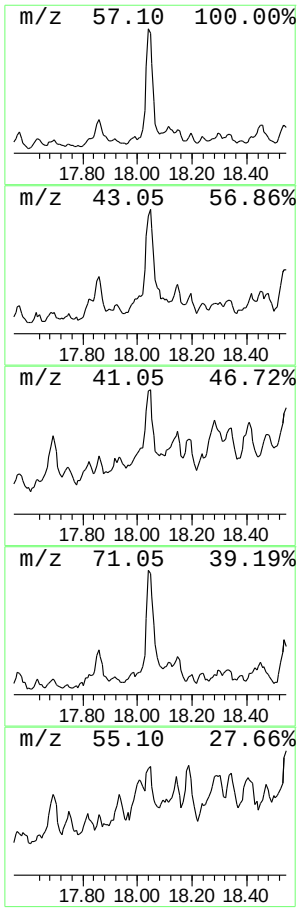
****

Peak Number 8 Tridecane, 6-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.045	113.58 ug/kg	4213310	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	50
2	Dodecane, 6-methyl-	184	C13H28	006044-71-9	49
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	49
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	49
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	46





Library Search Compound Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58829.D
Acq On : 29 Aug 2013 2:57 am
Operator : krystend
Sample : mc23735-1
Misc : MS29769,MSM2028,4.963,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

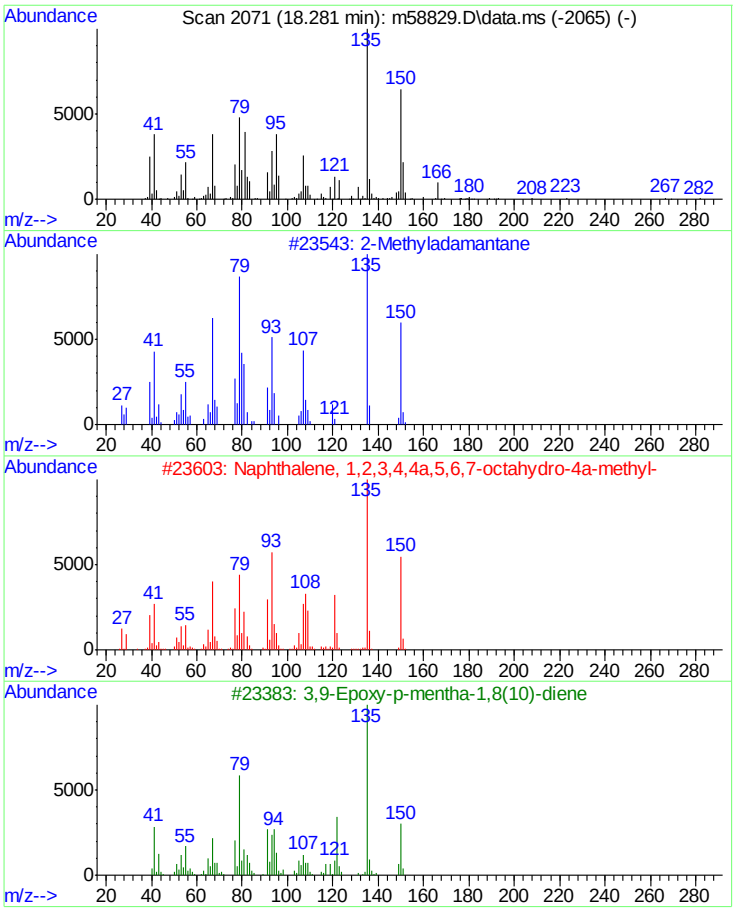
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

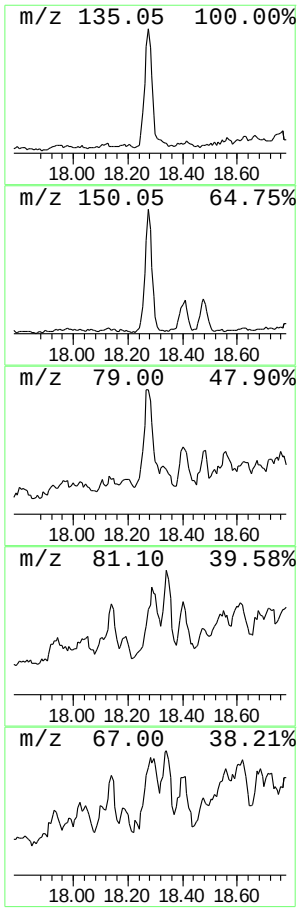
****

Peak Number 9 2-Methyladamantane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.281	27.60 ug/kg	1024010	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyladamantane	150	C11H18	000700-56-1	93
2	Naphthalene, 1,2,3,4,4a,5,6,7-oc...	150	C11H18	013943-77-6	64
3	3,9-Epoxy-p-mentha-1,8(10)-diene	150	C10H14O	1000111-14-8	53
4	2H-Inden-2-one, 1,4,5,6,7,7a-hex...	150	C10H14O	054725-16-5	50
5	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	46





Library Search Compound Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58829.D
Acq On : 29 Aug 2013 2:57 am
Operator : krystend
Sample : mc23735-1
Misc : MS29769,MSM2028,4.963,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

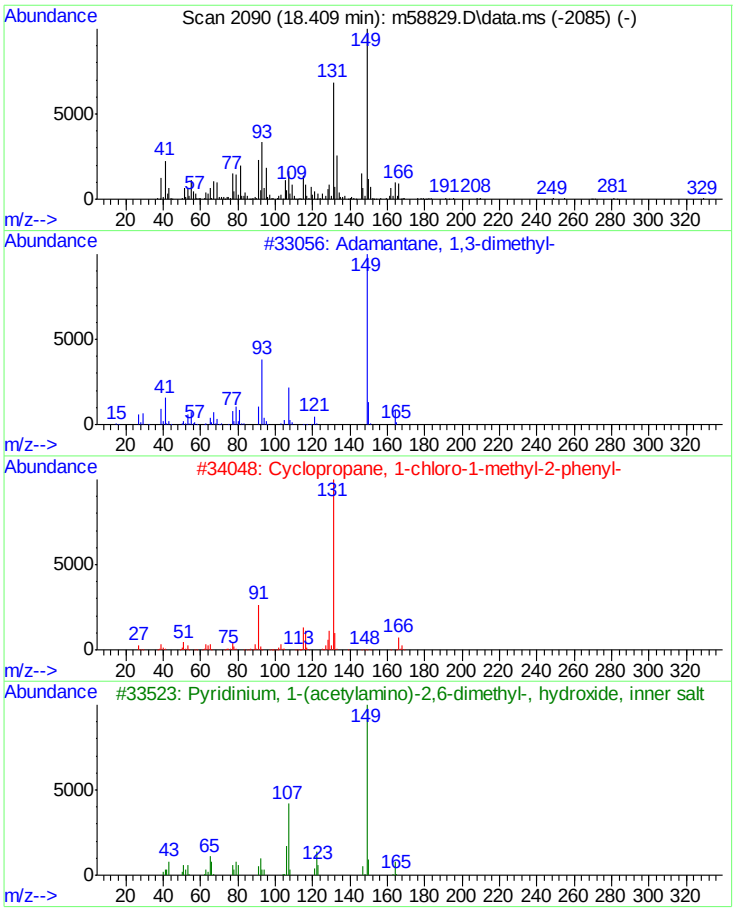
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

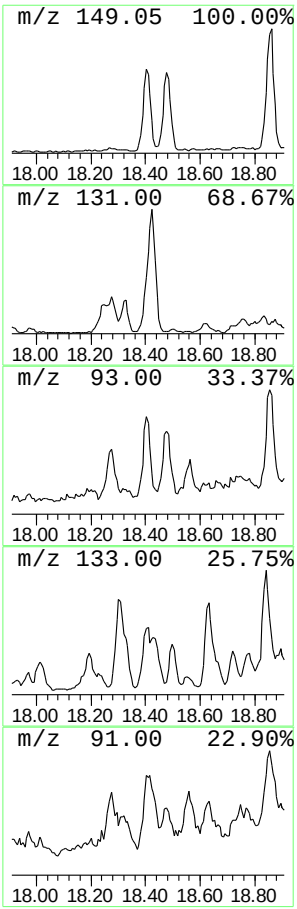
****

Peak Number 10 Adamantane, 1,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.409	31.00 ug/kg	1149810	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	60
2	Cyclopropane, 1-chloro-1-methyl-...	166	C10H11Cl	1000161-07-9	53
3	Pyridinium, 1-(acetylamino)-2,6-...	164	C9H12N2O	031020-35-6	43
4	Adamantane, 1-isothiocyanato-3-m...	207	C12H17NS	136860-48-5	43
5	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	38





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58829.D
Acq On : 29 Aug 2013 2:57 am
Operator : krystend
Sample : mc23735-1
Misc : MS29769,MSM2028,4.963,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	6.068	14.3	ug/kg	279507	2	9.349	977979	50.0
Pentane	6.492	17.4	ug/kg	340363	2	9.349	977979	50.0
Pentane, 2-methyl-	7.840	9.2	ug/kg	179497	2	9.349	977979	50.0
Hexane	8.466	9.3	ug/kg	180995	2	9.349	977979	50.0
Naphthalene, de...	16.759	14.9	ug/kg	554247	5	16.072	1854800	50.0
Tridecane, 6-me...	18.045	113.6	ug/kg	4213310	5	16.072	1854800	50.0
2-Methyladamantane	18.281	27.6	ug/kg	1024010	5	16.072	1854800	50.0
Adamantane, 1,3...	18.409	31.0	ug/kg	1149810	5	16.072	1854800	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58830.D
Acq On : 29 Aug 2013 3:26 am
Operator : krystend
Sample : mc23735-2
Misc : MS29769,MSM2028,4.792,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Aug 29 08:46:37 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

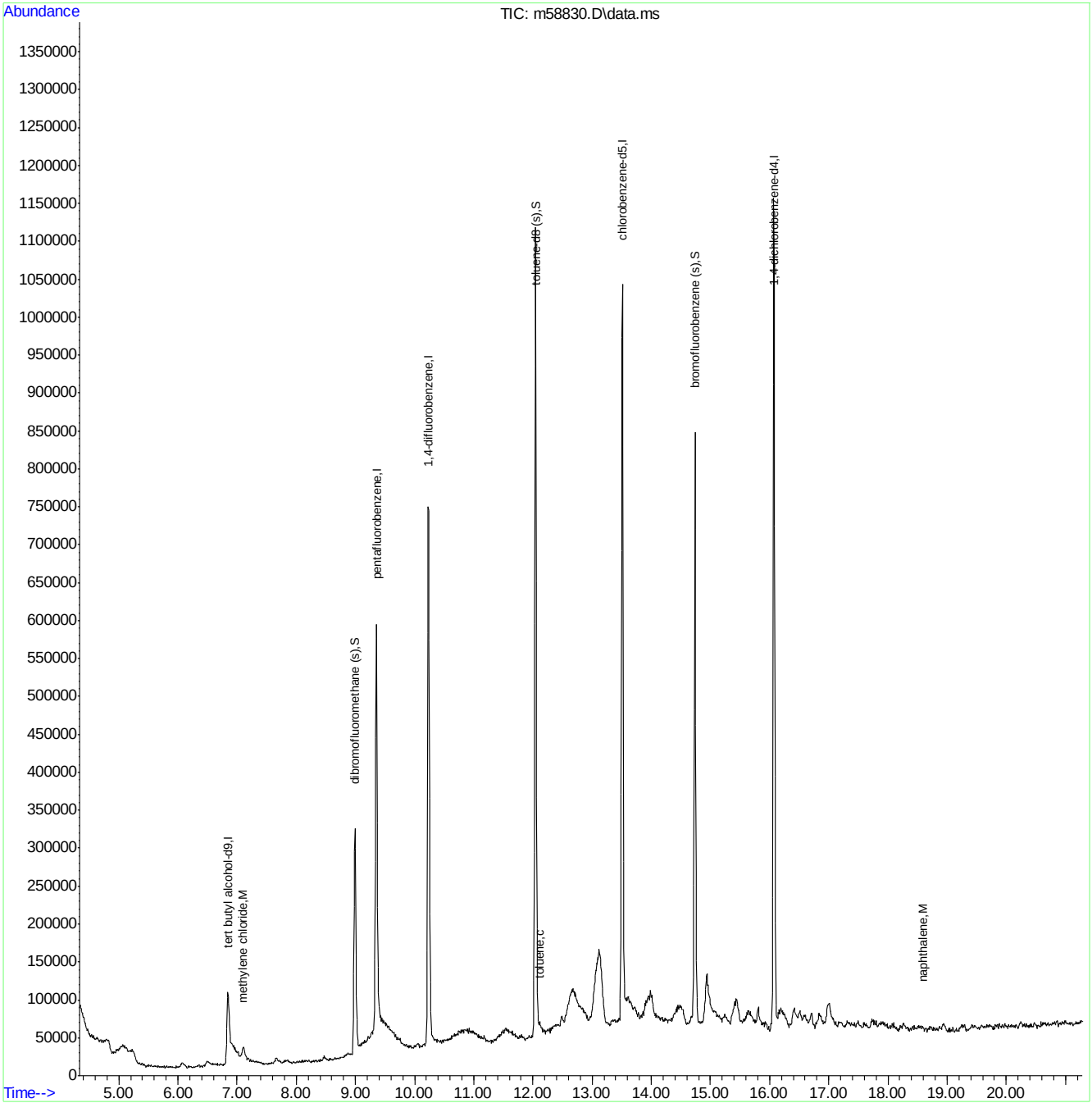
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	303854	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	420160	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.238	114	697476	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	307364	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	335794	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	215679	40.10	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 80.20%			
59) toluene-d8 (s)	12.043	98	778917	42.33	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.66%			
81) bromofluorobenzene (s)	14.738	95	289341	44.37	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 88.74%			
Target Compounds						Qvalue
18) methylene chloride	7.099	84	11032	1.88	ug/kg	81
61) toluene	12.111	92	5641	0.41	ug/kg	88
101) naphthalene	18.584	128	5808	0.26	ug/kg	100

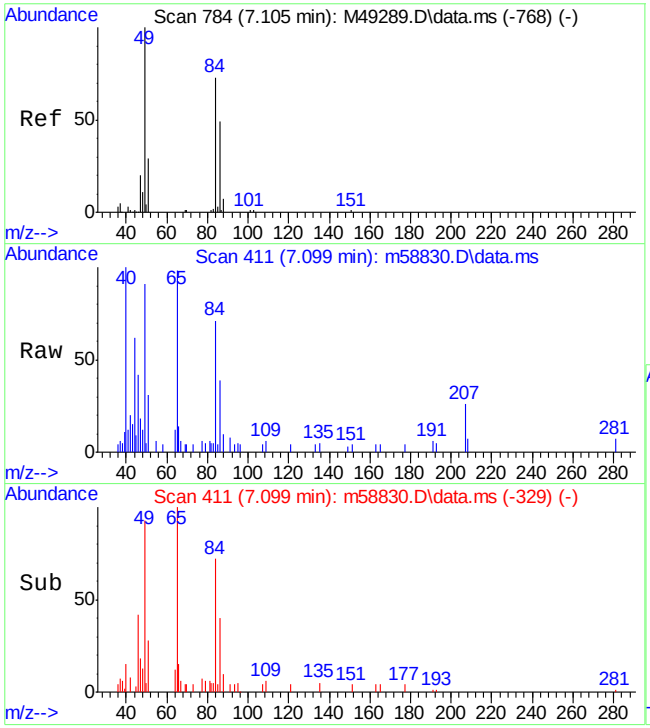
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58830.D
Acq On : 29 Aug 2013 3:26 am
Operator : krystend
Sample : mc23735-2
Misc : MS29769,MSM2028,4.792,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Aug 29 08:46:37 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

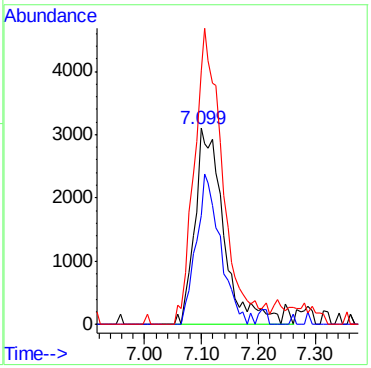


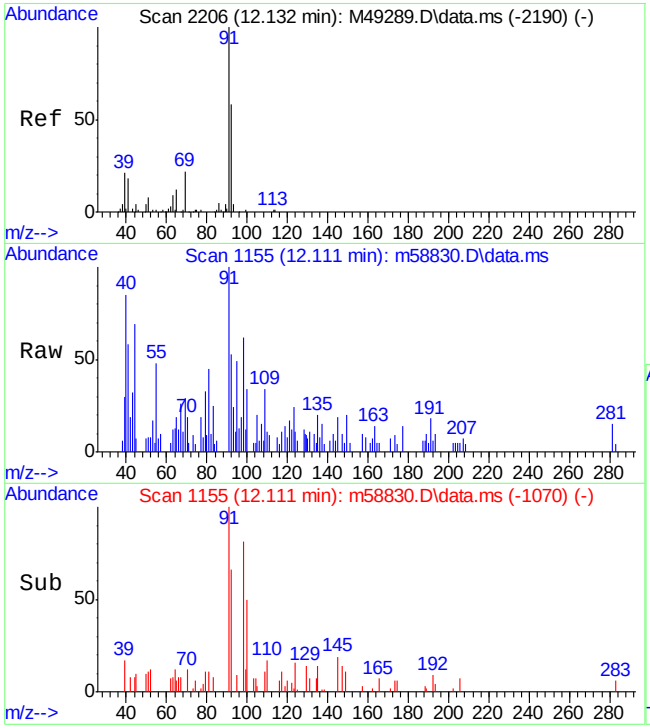


#18
methylene chloride
Concen: 1.88 ug/kg
RT: 7.099 min Scan# 411
Delta R.T. -0.006 min
Lab File: m58830.D
Acq: 29 Aug 2013 3:26 am

Tgt Ion: 84 Resp: 11032

Ion	Ratio	Lower	Upper
84	100		
86	55.4	37.2	97.2
49	129.5	125.7	185.7

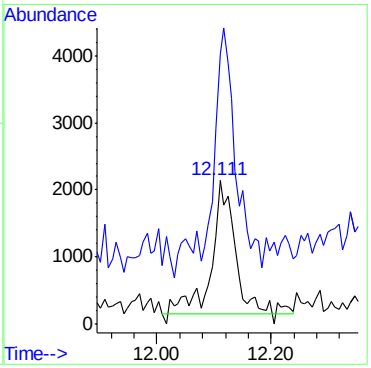


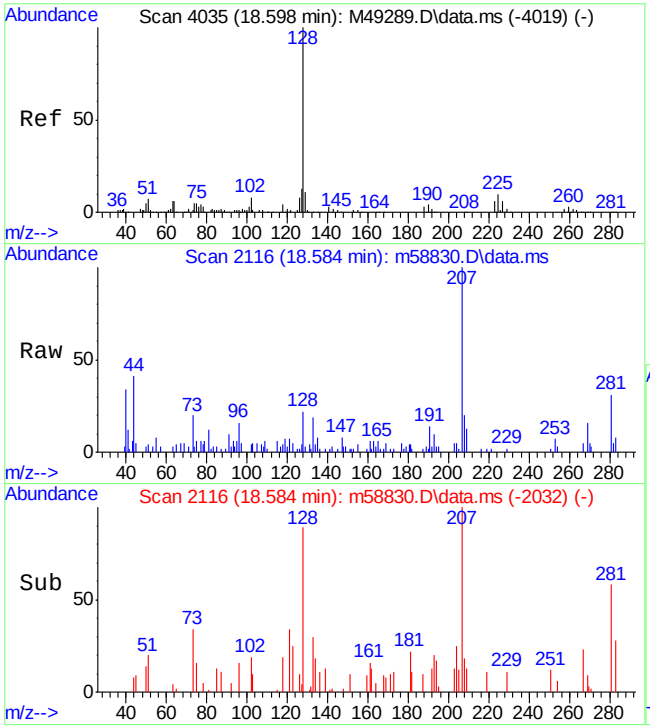


#61
toluene
Concen: 0.41 ug/kg
RT: 12.111 min Scan# 1155
Delta R.T. -0.007 min
Lab File: m58830.D
Acq: 29 Aug 2013 3:26 am

Tgt Ion: 92 Resp: 5641

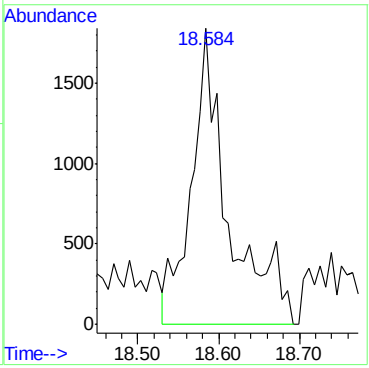
Ion	Ratio	Lower	Upper
92	100		
91	159.0	145.9	205.9





#101
naphthalene
Concen: 0.26 ug/kg
RT: 18.584 min Scan# 2116
Delta R.T. 0.007 min
Lab File: m58830.D
Acq: 29 Aug 2013 3:26 am

Tgt Ion:128 Resp: 5808



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58830.D
Acq On : 29 Aug 2013 3:26 am
Operator : krystend
Sample : mc23735-2
Misc : MS29769,MSM2028,4.792,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

Signal : TIC: m58830.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.772	205	214	215	rVB8	3047	7260	0.14%	0.037%
2	5.805	215	219	225	rBV7	3234	5489	0.10%	0.028%
3	5.866	225	228	241	rVV10	2165	7548	0.14%	0.038%
4	5.967	241	243	247	rVV5	2473	2958	0.06%	0.015%
5	6.081	247	260	271	rVV10	7016	30736	0.59%	0.155%
6	6.183	271	275	283	rVB7	2398	4713	0.09%	0.024%
7	6.492	305	321	365	rBV10	7697	77007	1.47%	0.387%
8	6.843	365	373	405	rVV	96721	517062	9.89%	2.601%
9	7.105	407	412	479	rVB6	23320	172157	3.29%	0.866%
10	7.658	487	494	557	rBV9	8223	97603	1.87%	0.491%
11	8.877	609	675	685	rBV9	10864	144295	2.76%	0.726%
12	8.992	685	692	737	rVV	302851	1069883	20.47%	5.382%
13	9.355	737	746	867	rVV	570226	2387361	45.67%	12.008%
14	10.231	867	876	1135	rVV	718477	3326105	63.63%	16.730%
15	12.043	1135	1145	1353	rVV	1073150	5227669	100.00%	26.295%
16	13.512	1353	1363	1537	rVV	987988	4008921	76.69%	20.165%
17	14.738	1537	1545	1567	rVV	789110	1572159	30.07%	7.908%
18	14.940	1569	1575	1735	rVB	69513	1221829	23.37%	6.146%

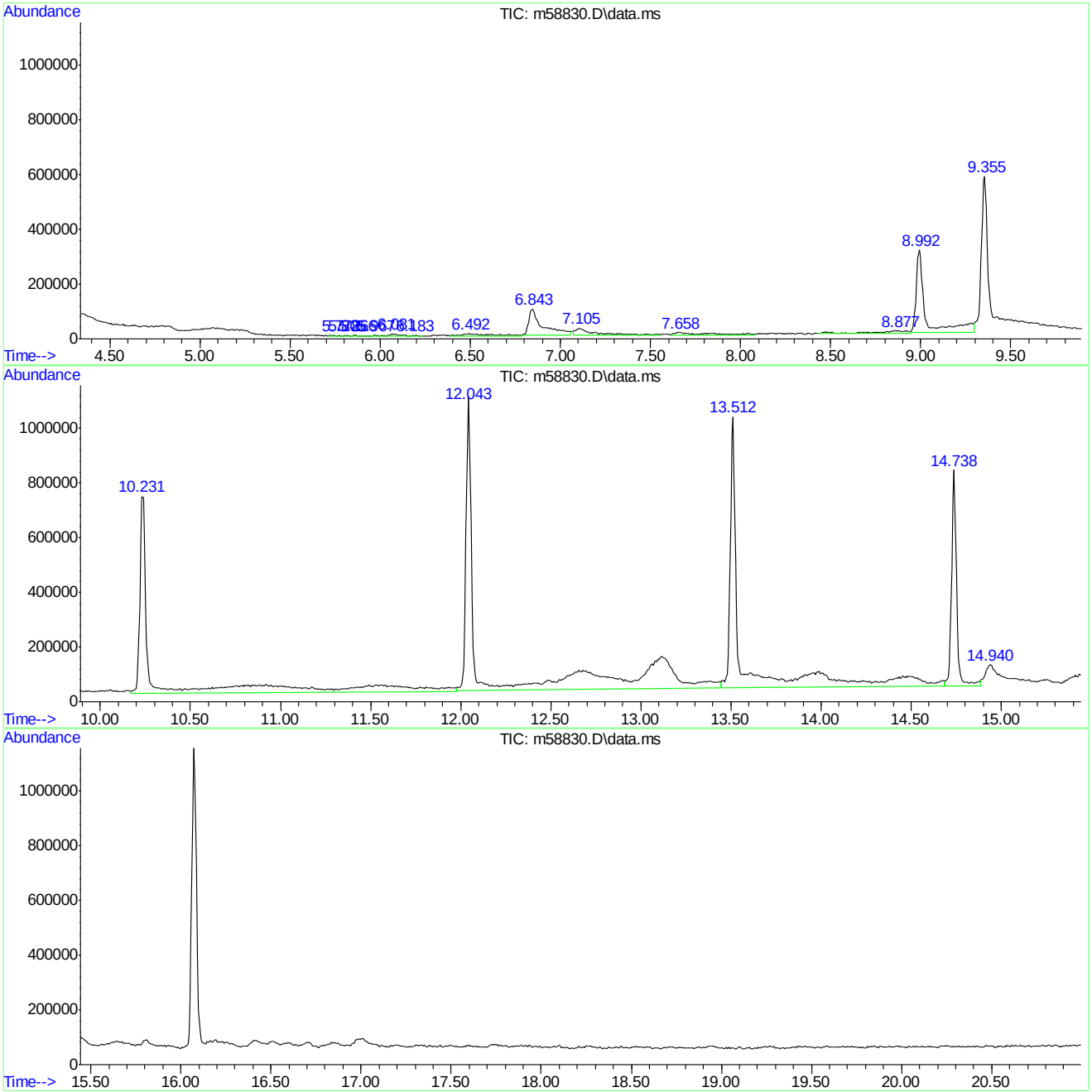
Sum of corrected areas: 19880755

LSC Report - Integrated Chromatogram

```
Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58830.D
Acq On    : 29 Aug 2013   3:26 am
Operator  : krystend
Sample    : mc23735-2
Misc      : MS29769,MSM2028,4.792,,,5,1
ALS Vial  : 41   Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title  : SW-846 Method 8260

TIC Library   : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P
```



Library Search Compound Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58830.D
Acq On : 29 Aug 2013 3:26 am
Operator : krystend
Sample : mc23735-2
Misc : MS29769,MSM2028,4.792,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

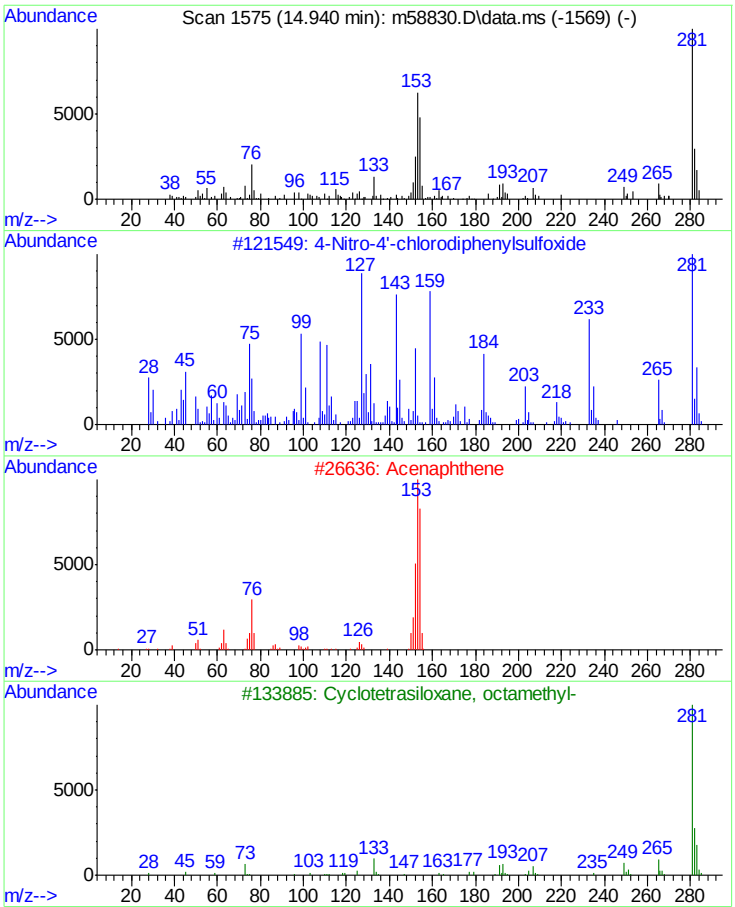
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

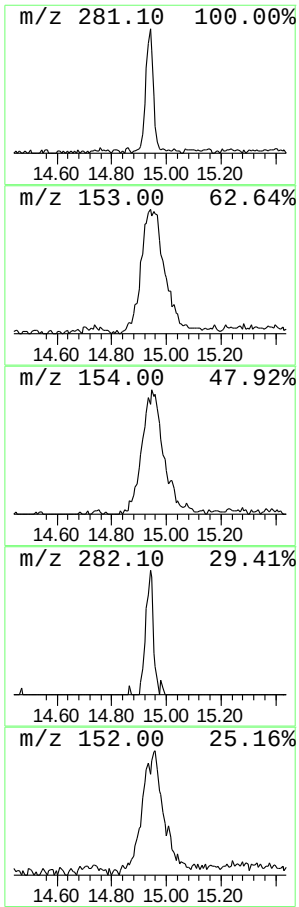
****

Peak Number 3 4-Nitro-4'-chlorodiphenylsu... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.940	50.00 ug/kg	1221830	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nitro-4'-chlorodiphenylsulfoxide	281	C12H8ClNO3S	024535-53-3	83
2	Acenaphthene	154	C12H10	000083-32-9	42
3	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	41
4	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	38
5	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	38





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58830.D
Acq On : 29 Aug 2013 3:26 am
Operator : krystend
Sample : mc23735-2
Misc : MS29769,MSM2028,4.792,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
4-Nitro-4'-chlo...	14.940	50.0	ug/kg	1221830	5	16.072	1221830	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58831.D
Acq On : 29 Aug 2013 3:55 am
Operator : krystend
Sample : mc23735-4
Misc : MS29769,MSM2028,4.960,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Aug 29 08:48:22 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

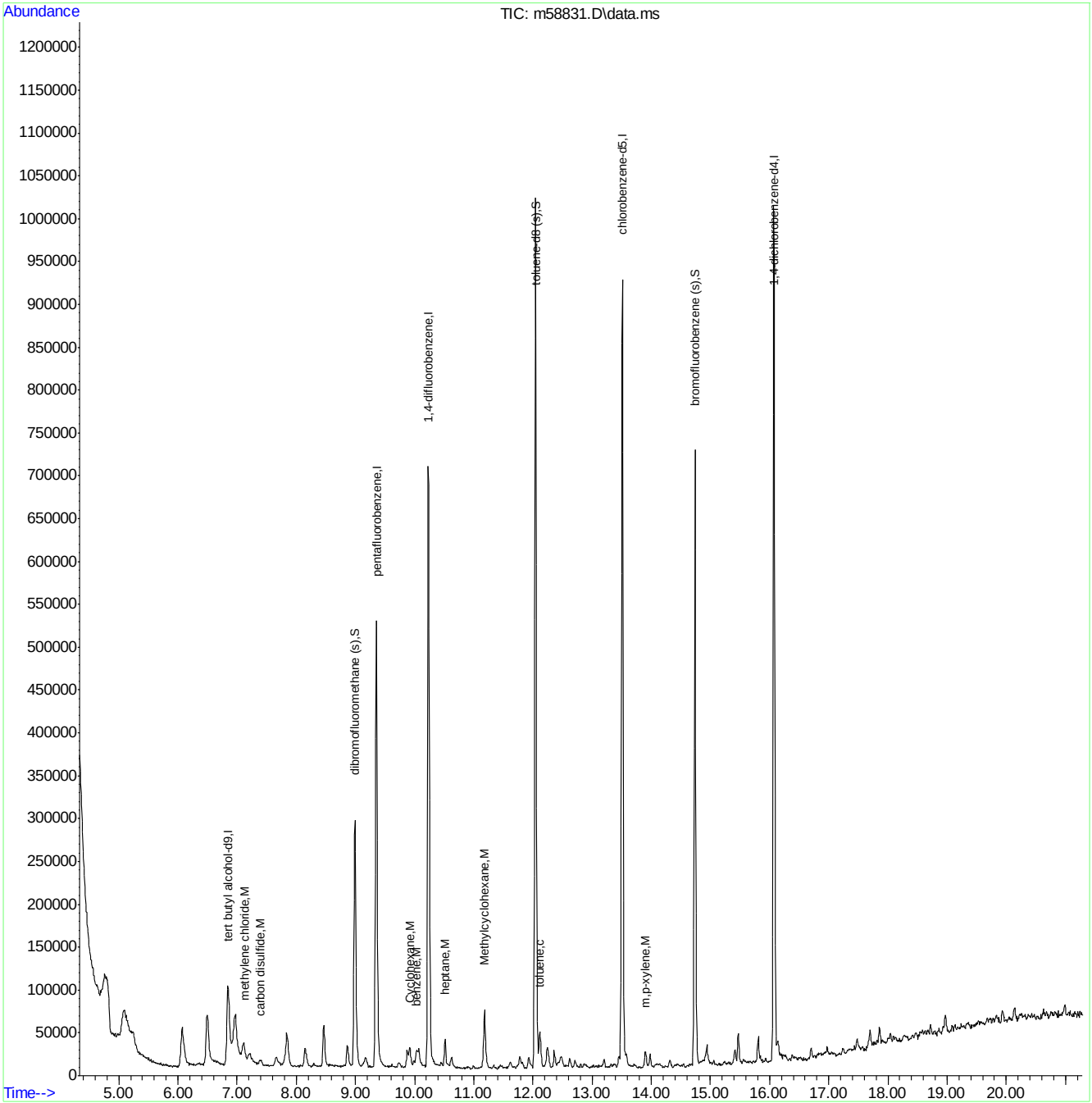
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	294665	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	414595	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	689419	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	279736	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	301574	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	208574	39.30	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 78.60%			
59) toluene-d8 (s)	12.043	98	743798	40.89	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 81.78%			
81) bromofluorobenzene (s)	14.738	95	265401	45.31	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.62%			
Target Compounds						Qvalue
18) methylene chloride	7.119	84	15536	2.69	ug/kg#	83
24) carbon disulfide	7.395	76	16950	1.04	ug/kg	98
43) Cyclohexane	9.921	56	15538	1.83	ug/kg	89
46) benzene	10.036	78	19168	0.87	ug/kg	97
49) heptane	10.514	43	19796	2.11	ug/kg	95
54) Methylcyclohexane	11.188	83	29156	3.25	ug/kg	93
61) toluene	12.117	92	17557	1.29	ug/kg	92
74) m,p-xylene	13.902	106	7577	0.81	ug/kg	86

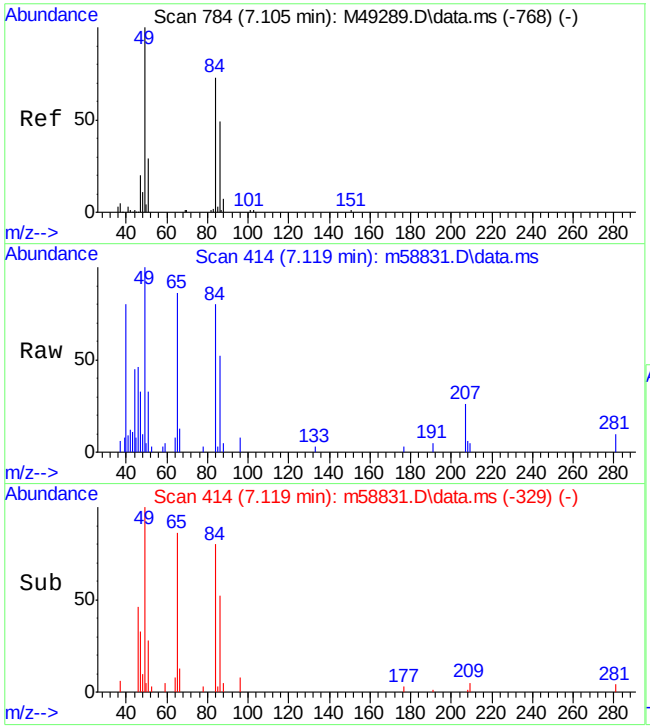
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58831.D
Acq On : 29 Aug 2013 3:55 am
Operator : krystend
Sample : mc23735-4
Misc : MS29769,MSM2028,4.960,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Aug 29 08:48:22 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

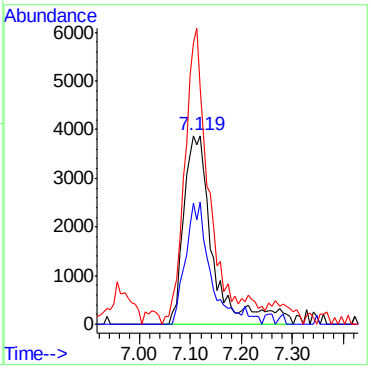


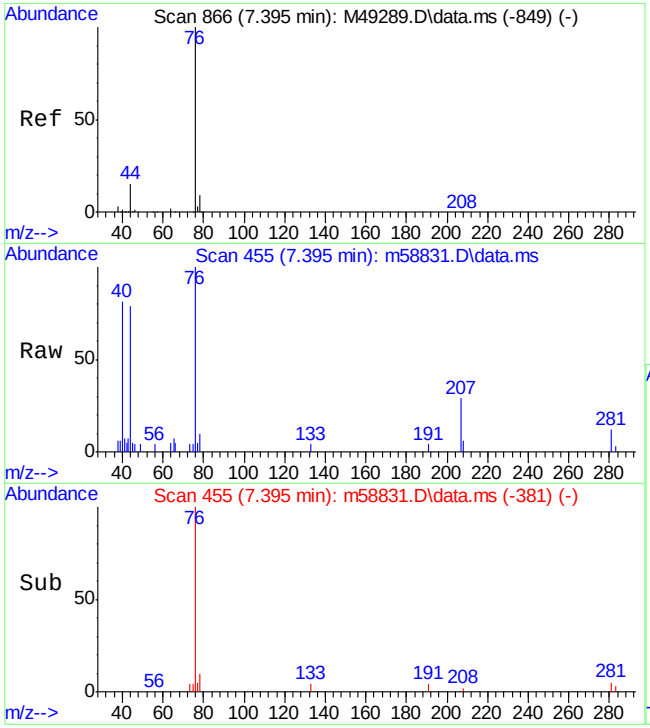


#18
methylene chloride
Concen: 2.69 ug/kg
RT: 7.119 min Scan# 414
Delta R.T. 0.014 min
Lab File: m58831.D
Acq: 29 Aug 2013 3:55 am

Tgt Ion: 84 Resp: 15536

Ion	Ratio	Lower	Upper
84	100		
86	64.9	37.2	97.2
49	125.2	125.7	185.7#

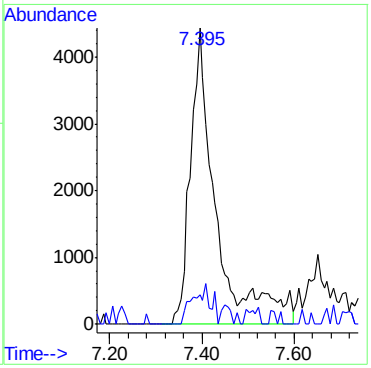


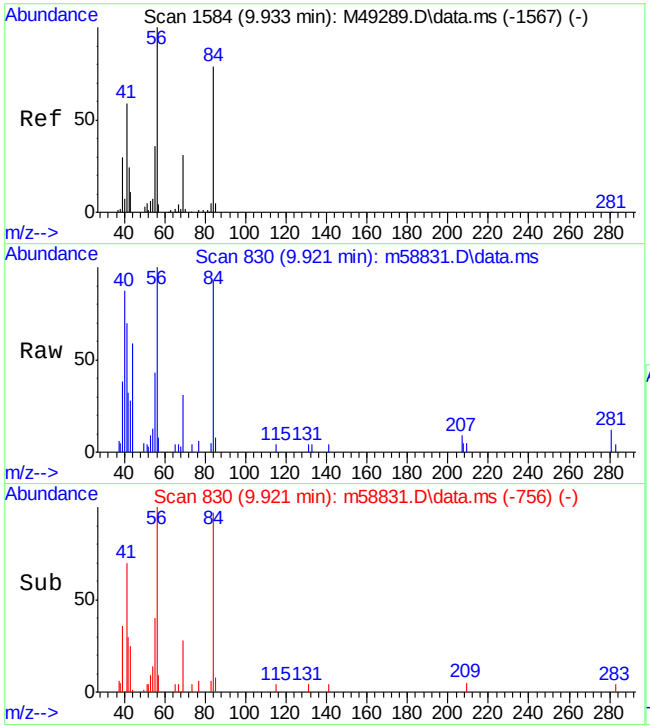


#24
carbon disulfide
Concen: 1.04 ug/kg
RT: 7.395 min Scan# 455
Delta R.T. 0.000 min
Lab File: m58831.D
Acq: 29 Aug 2013 3:55 am

Tgt Ion: 76 Resp: 16950

Ion	Ratio	Lower	Upper
76	100		
78	9.8	0.0	39.1

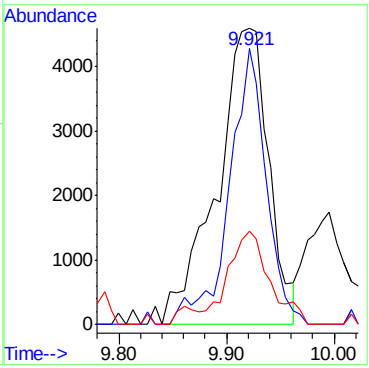


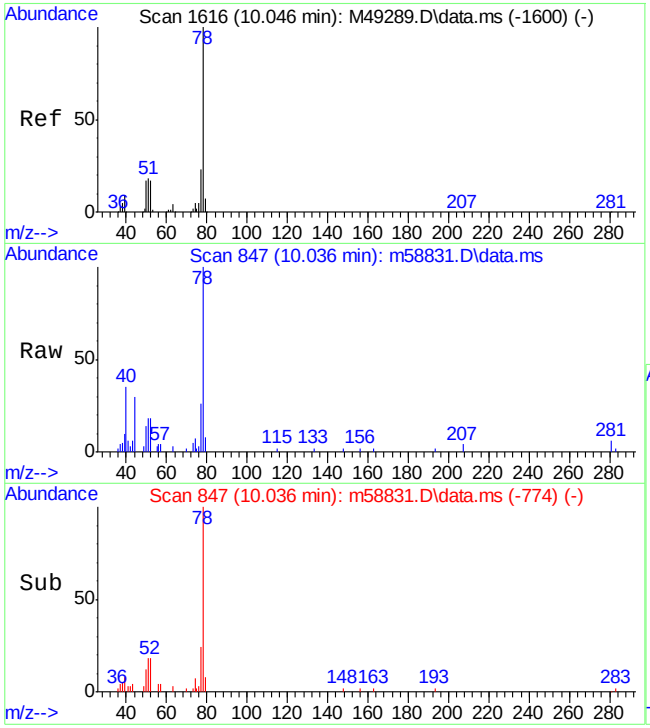


#43
Cyclohexane
Concen: 1.83 ug/kg
RT: 9.921 min Scan# 830
Delta R.T. 0.000 min
Lab File: m58831.D
Acq: 29 Aug 2013 3:55 am

Tgt Ion: 56 Resp: 15538

Ion	Ratio	Lower	Upper
56	100		
84	93.0	61.8	101.8
69	31.3	7.1	47.1

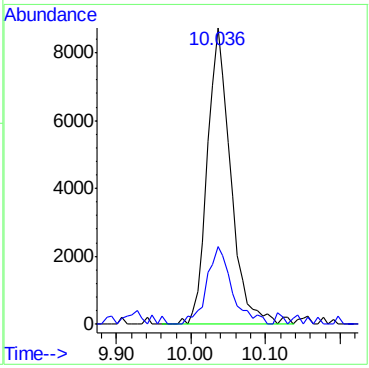


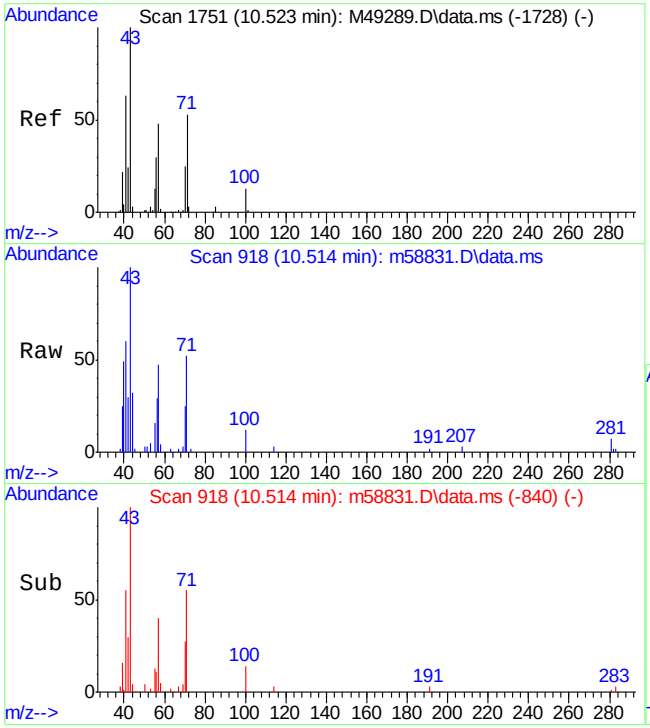


#46
benzene
Concen: 0.87 ug/kg
RT: 10.036 min Scan# 847
Delta R.T. -0.000 min
Lab File: m58831.D
Acq: 29 Aug 2013 3:55 am

Tgt Ion: 78 Resp: 19168

Ion	Ratio	Lower	Upper
78	100		
77	24.2	0.0	52.6

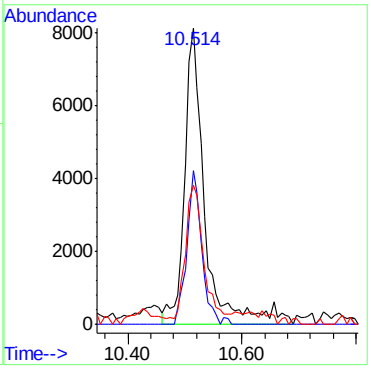


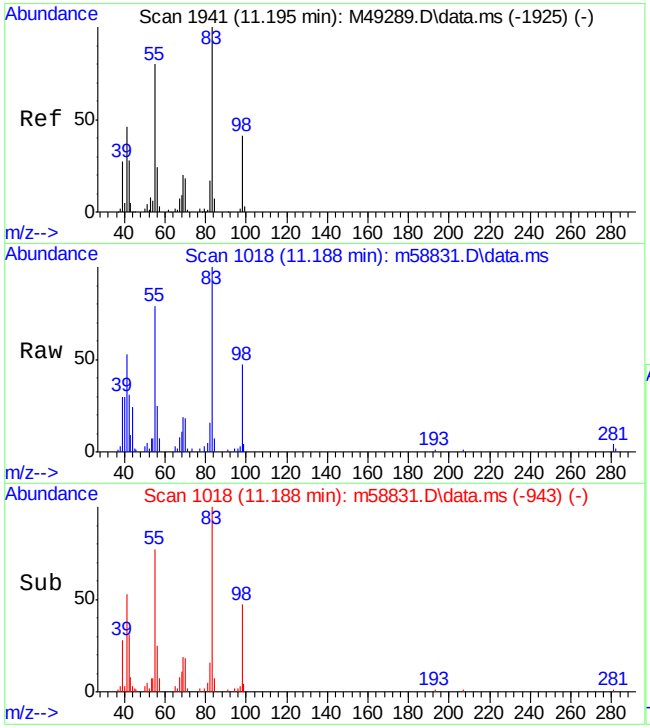


#49
heptane
Concen: 2.11 ug/kg
RT: 10.514 min Scan# 918
Delta R.T. 0.007 min
Lab File: m58831.D
Acq: 29 Aug 2013 3:55 am

Tgt Ion: 43 Resp: 19796

Ion	Ratio	Lower	Upper
43	100		
71	51.9	18.2	78.2
57	45.0	18.7	78.7

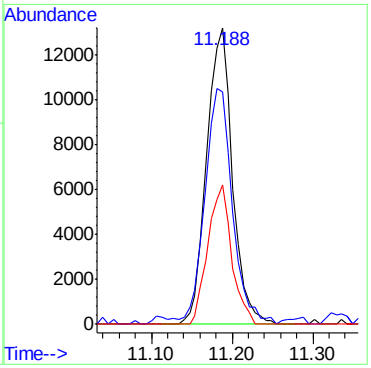


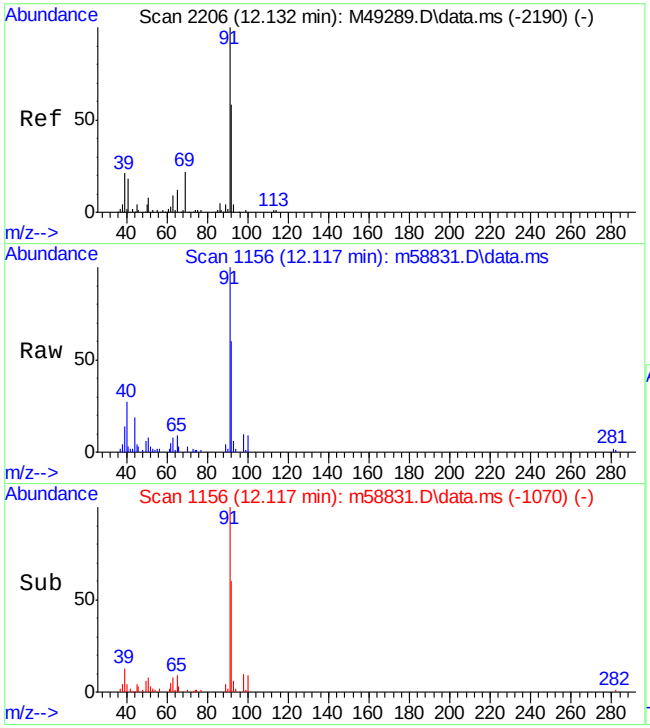


#54
Methylcyclohexane
Concen: 3.25 ug/kg
RT: 11.188 min Scan# 1018
Delta R.T. 0.007 min
Lab File: m58831.D
Acq: 29 Aug 2013 3:55 am

Tgt Ion: 83 Resp: 29156

Ion	Ratio	Lower	Upper
83	100		
55	77.0	63.6	103.6
98	46.9	23.6	63.6

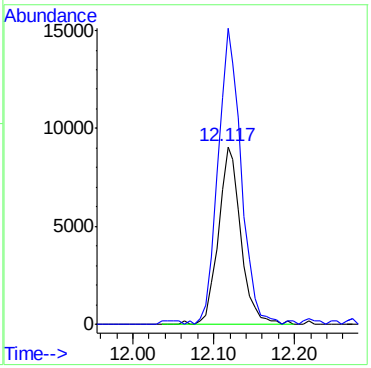


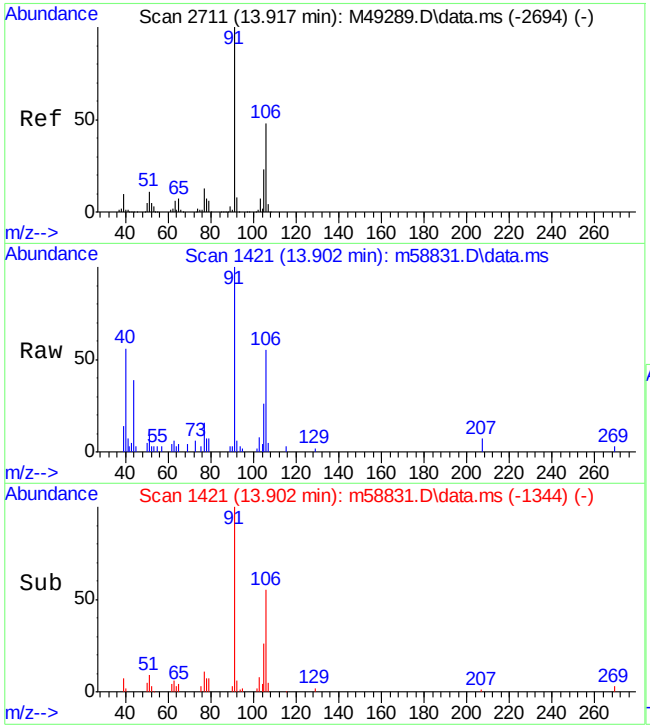


#61
toluene
Concen: 1.29 ug/kg
RT: 12.117 min Scan# 1156
Delta R.T. 0.000 min
Lab File: m58831.D
Acq: 29 Aug 2013 3:55 am

Tgt Ion: 92 Resp: 17557

Ion	Ratio	Lower	Upper
92	100		
91	164.8	145.9	205.9

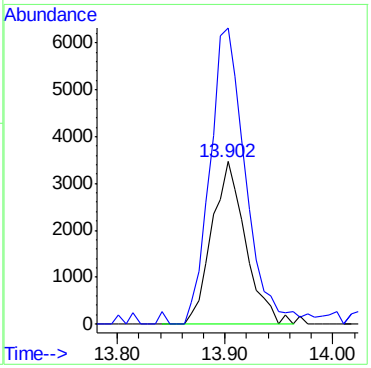




#74
m,p-xylene
Concen: 0.81 ug/kg
RT: 13.902 min Scan# 1421
Delta R.T. 0.000 min
Lab File: m58831.D
Acq: 29 Aug 2013 3:55 am

Tgt Ion:106 Resp: 7577

Ion	Ratio	Lower	Upper
106	100		
91	174.8	166.0	226.0



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58831.D
Acq On : 29 Aug 2013 3:55 am
Operator : krystend
Sample : mc23735-4
Misc : MS29769,MSM2028,4.960,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

Signal : TIC: m58831.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.926	235	237	249	rBV7	2528	9191	0.48%	0.067%
2	6.075	249	259	311	rBV	46409	218689	11.47%	1.600%
3	6.492	311	321	363	rVB3	57834	244113	12.81%	1.786%
4	6.843	363	373	383	rBV	92799	331508	17.39%	2.426%
5	6.971	383	392	407	rVB3	44389	171429	8.99%	1.254%
6	7.375	449	452	477	rVB5	8078	39581	2.08%	0.290%
7	7.658	487	494	509	rBV2	9535	40172	2.11%	0.294%
8	7.840	509	521	537	rVB	39095	137389	7.21%	1.005%
9	8.150	559	567	583	rVB2	21117	63218	3.32%	0.463%
10	8.291	583	588	605	rVV10	4136	11334	0.59%	0.083%
11	8.466	605	614	657	rVB	48605	132152	6.93%	0.967%
12	8.864	667	673	681	rBV3	23277	52605	2.76%	0.385%
13	8.992	681	692	707	rVB	287857	675717	35.45%	4.944%
14	9.167	707	718	735	rVB6	12074	46731	2.45%	0.342%
15	9.355	735	746	783	rBV	521118	1153252	60.50%	8.438%
16	9.618	783	785	797	rVB8	3523	4692	0.25%	0.034%
17	9.733	797	802	815	rVB8	5392	16424	0.86%	0.120%
18	9.921	815	830	837	rBV6	23611	105076	5.51%	0.769%
19	10.069	843	852	869	rVB2	21463	92443	4.85%	0.676%
20	10.231	869	876	905	rBV	700720	1455611	76.36%	10.650%
21	10.514	913	918	929	rBV	31453	64223	3.37%	0.470%
22	10.622	929	934	949	rVB5	12536	38311	2.01%	0.280%
23	10.884	967	973	983	rVB8	2934	8117	0.43%	0.059%
24	10.992	983	989	1003	rBV5	3435	9466	0.50%	0.069%
25	11.188	1003	1018	1035	rBV	68955	175330	9.20%	1.283%
26	11.336	1035	1040	1049	rVB6	4898	10157	0.53%	0.074%
27	11.450	1049	1057	1071	rBV9	4970	18368	0.96%	0.134%
28	11.619	1071	1082	1095	rBV9	7898	24845	1.30%	0.182%
29	11.774	1095	1105	1121	rVB7	13451	45113	2.37%	0.330%
30	11.929	1121	1128	1137	rBV4	12508	33362	1.75%	0.244%
31	12.043	1137	1145	1153	rBV	1013655	1900754	99.71%	13.908%
32	12.245	1167	1175	1185	rVB4	22596	63994	3.36%	0.468%
33	12.360	1185	1192	1203	rVV2	19706	52335	2.75%	0.383%
34	12.481	1203	1210	1227	rVV7	12667	50206	2.63%	0.367%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58831.D
Acq On : 29 Aug 2013 3:55 am
Operator : krystend
Sample : mc23735-4
Misc : MS29769,MSM2028,4.960,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

35	12.622	1227	1231	1237	rVV6	10845	21651	1.14%	0.158%
36	12.710	1237	1244	1253	rVB8	8628	19926	1.05%	0.146%
37	12.798	1253	1257	1263	rBV4	4098	6459	0.34%	0.047%
38	12.858	1263	1266	1285	rVB9	5237	18472	0.97%	0.135%
39	13.027	1285	1291	1301	rBV8	3366	11139	0.58%	0.082%
40	13.202	1309	1317	1331	rVB5	9990	26170	1.37%	0.191%
41	13.323	1331	1335	1337	rBV4	4739	7031	0.37%	0.051%
42	13.512	1349	1363	1411	rVB	919582	1790287	93.92%	13.099%
43	13.896	1411	1420	1427	rBV	18566	43360	2.27%	0.317%
44	13.983	1427	1433	1441	rVV2	15844	30763	1.61%	0.225%
45	14.131	1443	1455	1465	rVB2	4837	25281	1.33%	0.185%
46	14.239	1465	1471	1475	rBV5	2484	4241	0.22%	0.031%
47	14.313	1475	1482	1489	rVB6	8458	21011	1.10%	0.154%
48	14.428	1489	1499	1513	rBV6	4367	26706	1.40%	0.195%
49	14.549	1513	1517	1523	rVB5	3957	5070	0.27%	0.037%
50	14.738	1529	1545	1569	rBV	718993	1352578	70.96%	9.897%
51	14.940	1569	1575	1615	rVB6	23972	87135	4.57%	0.638%
52	15.243	1615	1620	1637	rBV10	4012	18312	0.96%	0.134%
53	15.411	1637	1645	1649	rBV4	17126	42250	2.22%	0.309%
54	15.472	1649	1654	1663	rVB2	35496	68645	3.60%	0.502%
55	15.809	1695	1704	1735	rBV2	31188	92678	4.86%	0.678%
56	16.071	1735	1743	1785	rVV	999205	1906240	100.00%	13.948%
57	17.486	1833	1953	1977	rBV	22823	461101	24.19%	3.374%
58	17.702	1977	1985	2005	rBV4	21387	84675	4.44%	0.620%

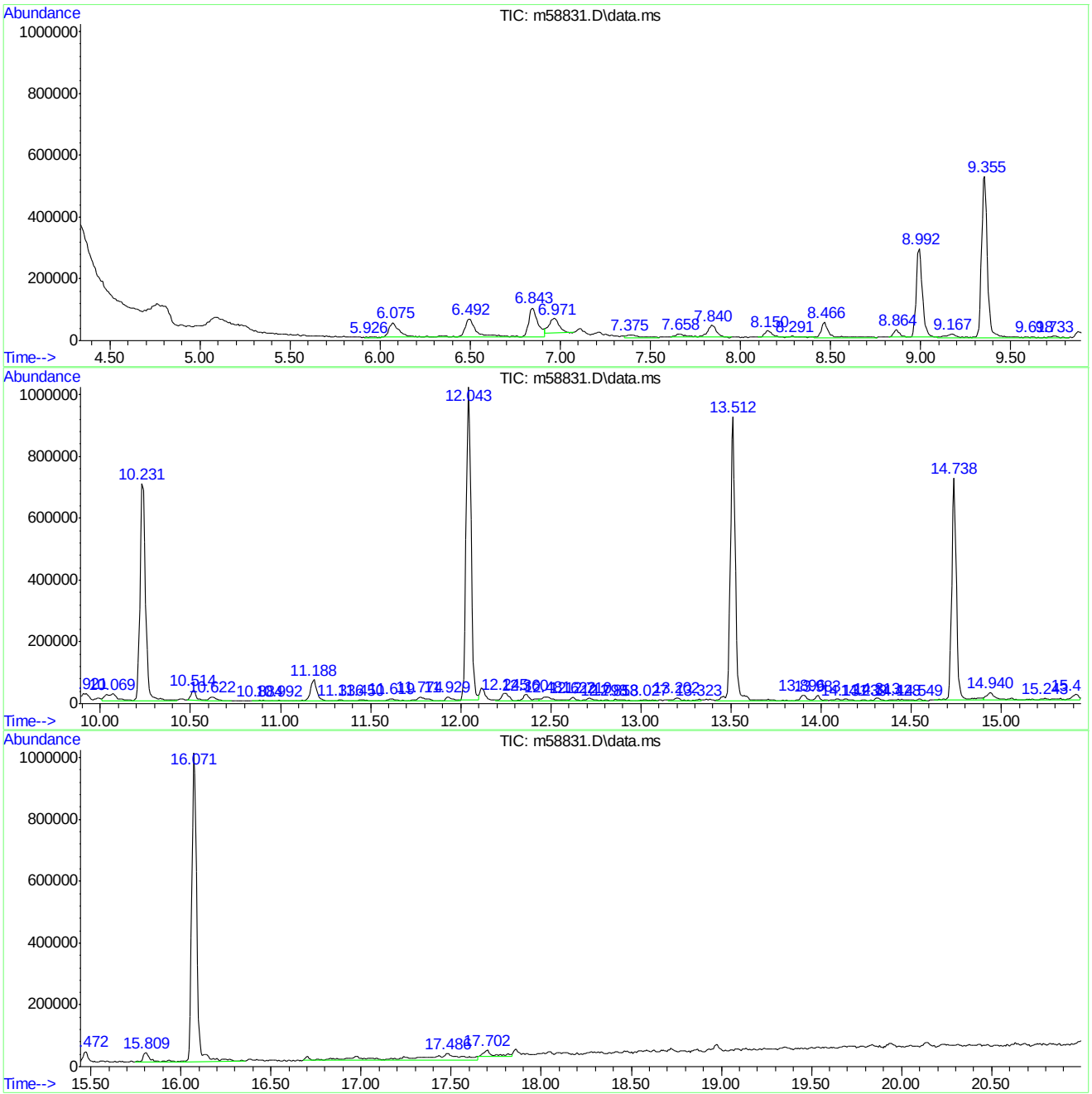
Sum of corrected areas: 13667089

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58831.D
Acq On : 29 Aug 2013 3:55 am
Operator : krystend
Sample : mc23735-4
Misc : MS29769,MSM2028,4.960,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58831.D
Acq On : 29 Aug 2013 3:55 am
Operator : krystend
Sample : mc23735-4
Misc : MS29769,MSM2028,4.960,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

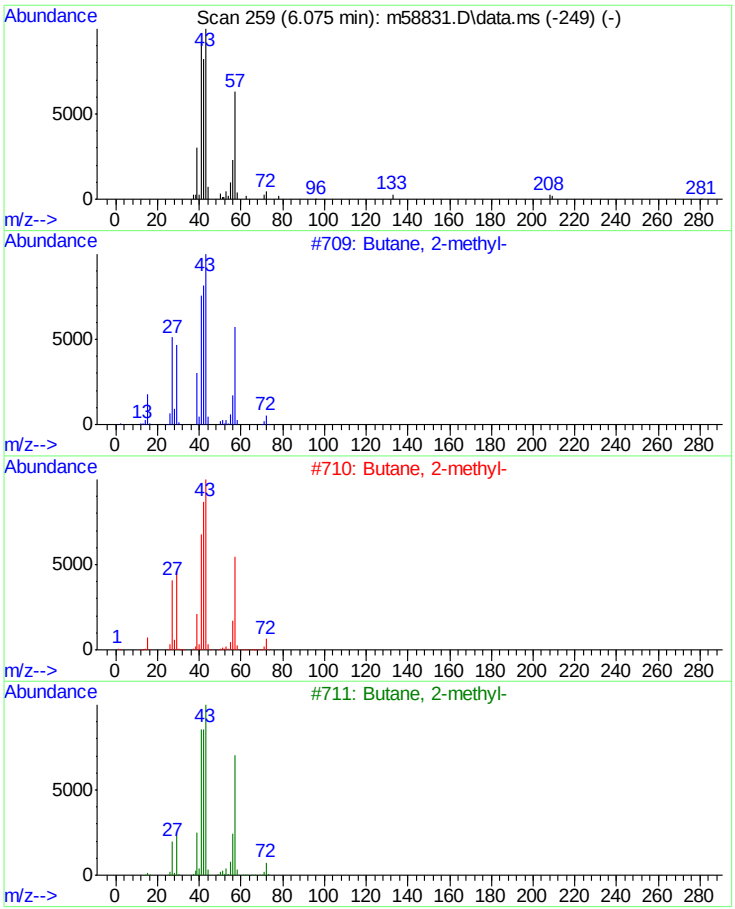
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

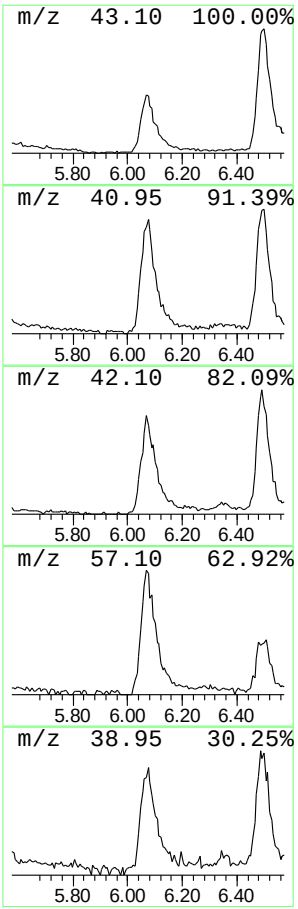
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.075	9.48 ug/kg	218689	pentafluorobenzene	9.355

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	86
2	Butane, 2-methyl-	72	C5H12	000078-78-4	83
3	Butane, 2-methyl-	72	C5H12	000078-78-4	78
4	Pentane	72	C5H12	000109-66-0	40
5	1-Butene	56	C4H8	000106-98-9	11





Library Search Compound Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58831.D
Acq On : 29 Aug 2013 3:55 am
Operator : krystend
Sample : mc23735-4
Misc : MS29769,MSM2028,4.960,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

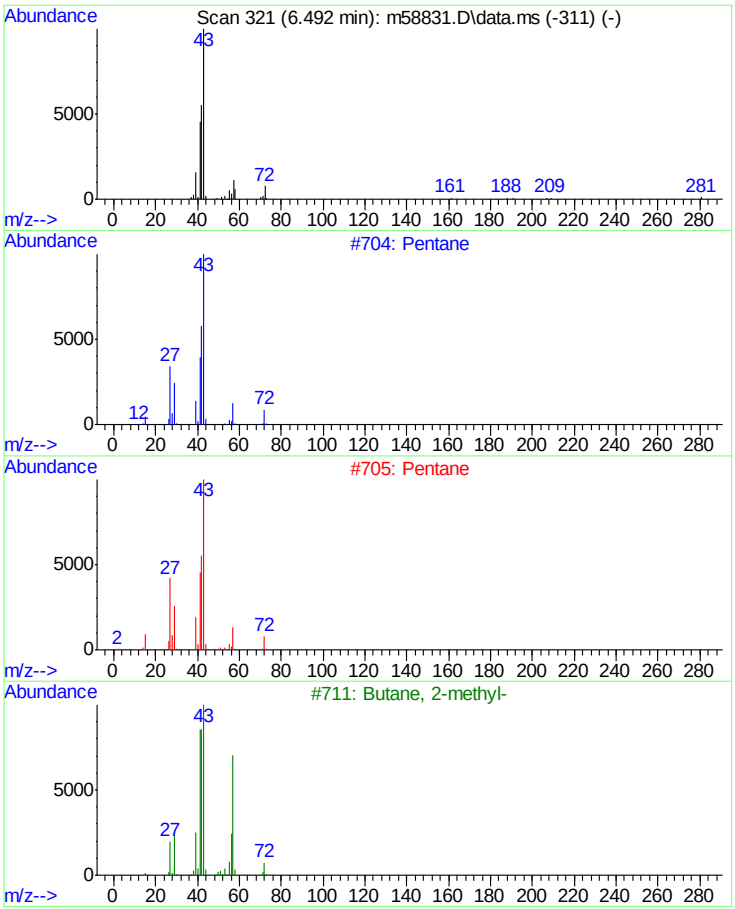
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

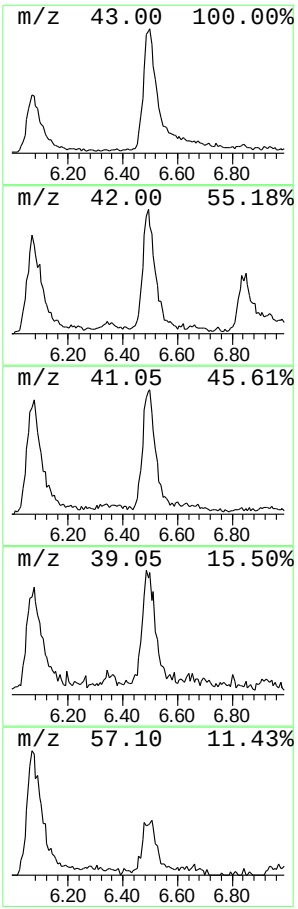
****

Peak Number 2 Pentane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.492	10.58 ug/kg	244113	pentafluorobenzene	9.355

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	80
2	Pentane	72	C5H12	000109-66-0	80
3	Butane, 2-methyl-	72	C5H12	000078-78-4	53
4	Pentane	72	C5H12	000109-66-0	46
5	3-Buten-1-ol	72	C4H8O	000627-27-0	43





Library Search Compound Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58831.D
Acq On : 29 Aug 2013 3:55 am
Operator : krystend
Sample : mc23735-4
Misc : MS29769,MSM2028,4.960,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

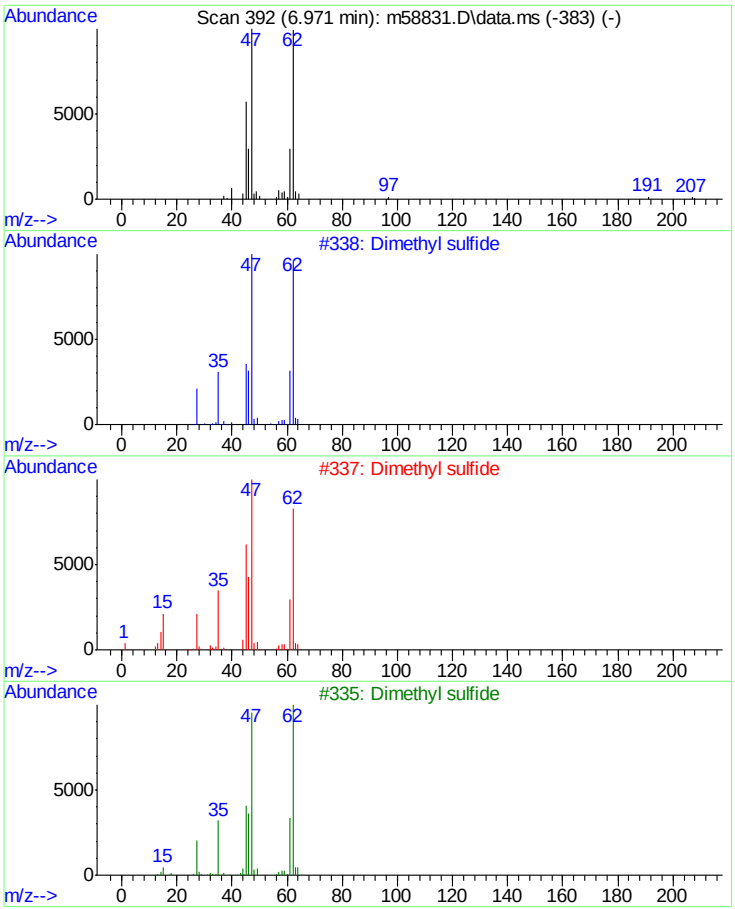
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

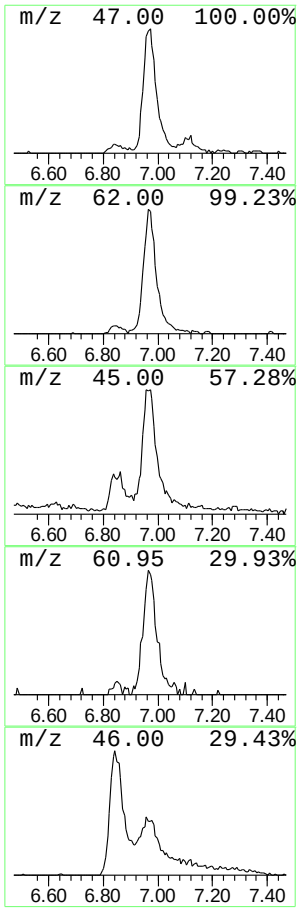
****

Peak Number 3 Dimethyl sulfide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.971	7.43 ug/kg	171429	pentafluorobenzene	9.355

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl sulfide	62	C2H6S	000075-18-3	91
2	Dimethyl sulfide	62	C2H6S	000075-18-3	91
3	Dimethyl sulfide	62	C2H6S	000075-18-3	90
4	Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	83
5	Dimethyl sulfide	62	C2H6S	000075-18-3	72





Library Search Compound Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58831.D
Acq On : 29 Aug 2013 3:55 am
Operator : krystend
Sample : mc23735-4
Misc : MS29769,MSM2028,4.960,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

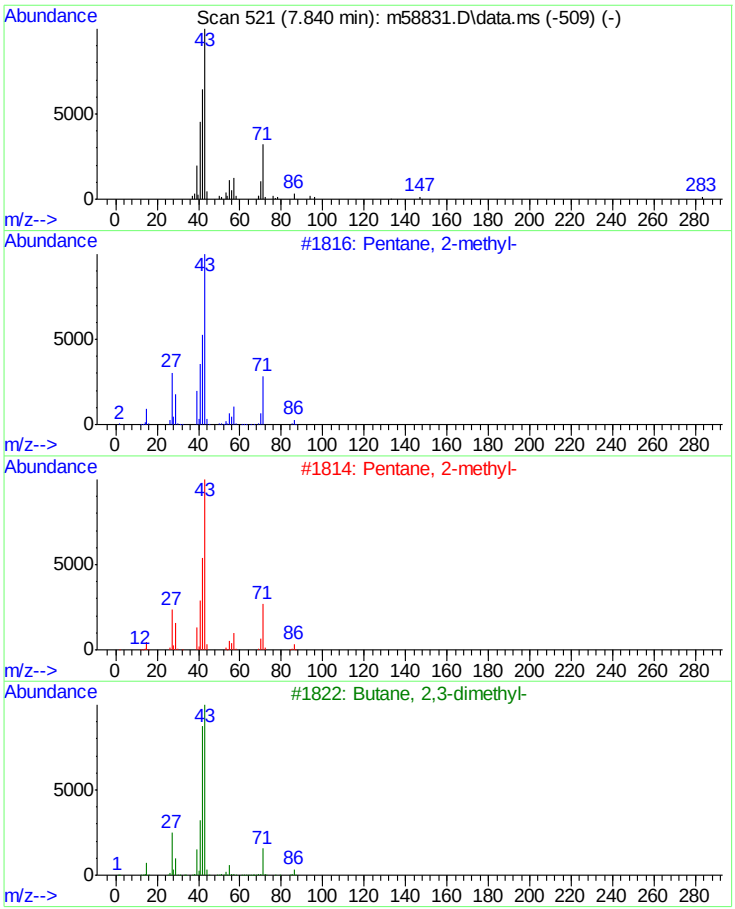
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

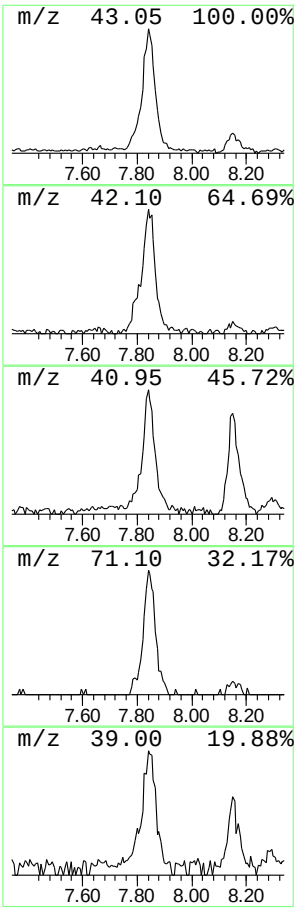
****

Peak Number 5 Pentane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.840	5.96 ug/kg	137389	pentafluorobenzene	9.355

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	86
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	53
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	42
5	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	38





Library Search Compound Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58831.D
Acq On : 29 Aug 2013 3:55 am
Operator : krystend
Sample : mc23735-4
Misc : MS29769,MSM2028,4.960,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

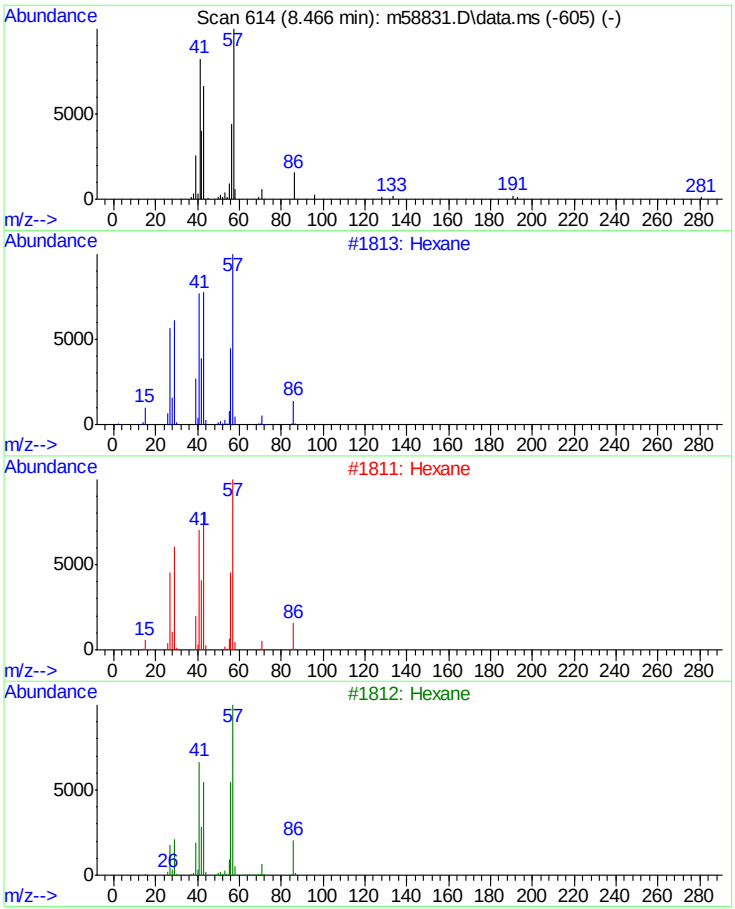
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

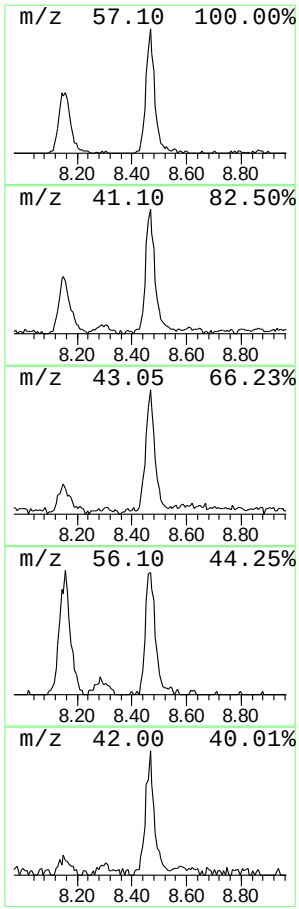
****

Peak Number 6 Hexane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.466	5.73 ug/kg	132152	pentafluorobenzene	9.355

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	90
2	Hexane	86	C6H14	000110-54-3	87
3	Hexane	86	C6H14	000110-54-3	64
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	42
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	36





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58831.D
Acq On : 29 Aug 2013 3:55 am
Operator : krystend
Sample : mc23735-4
Misc : MS29769,MSM2028,4.960,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	6.075	9.5	ug/kg	218689	2	9.355	1153250	50.0
Pentane	6.492	10.6	ug/kg	244113	2	9.355	1153250	50.0
Dimethyl sulfide	6.971	7.4	ug/kg	171429	2	9.355	1153250	50.0
Pentane, 2-methyl-	7.840	6.0	ug/kg	137389	2	9.355	1153250	50.0
Hexane	8.466	5.7	ug/kg	132152	2	9.355	1153250	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58811.D
Acq On : 28 Aug 2013 6:08 pm
Operator : krystend
Sample : mc23735-5
Misc : MS29769,MSM2028,5.263,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 29 08:26:46 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

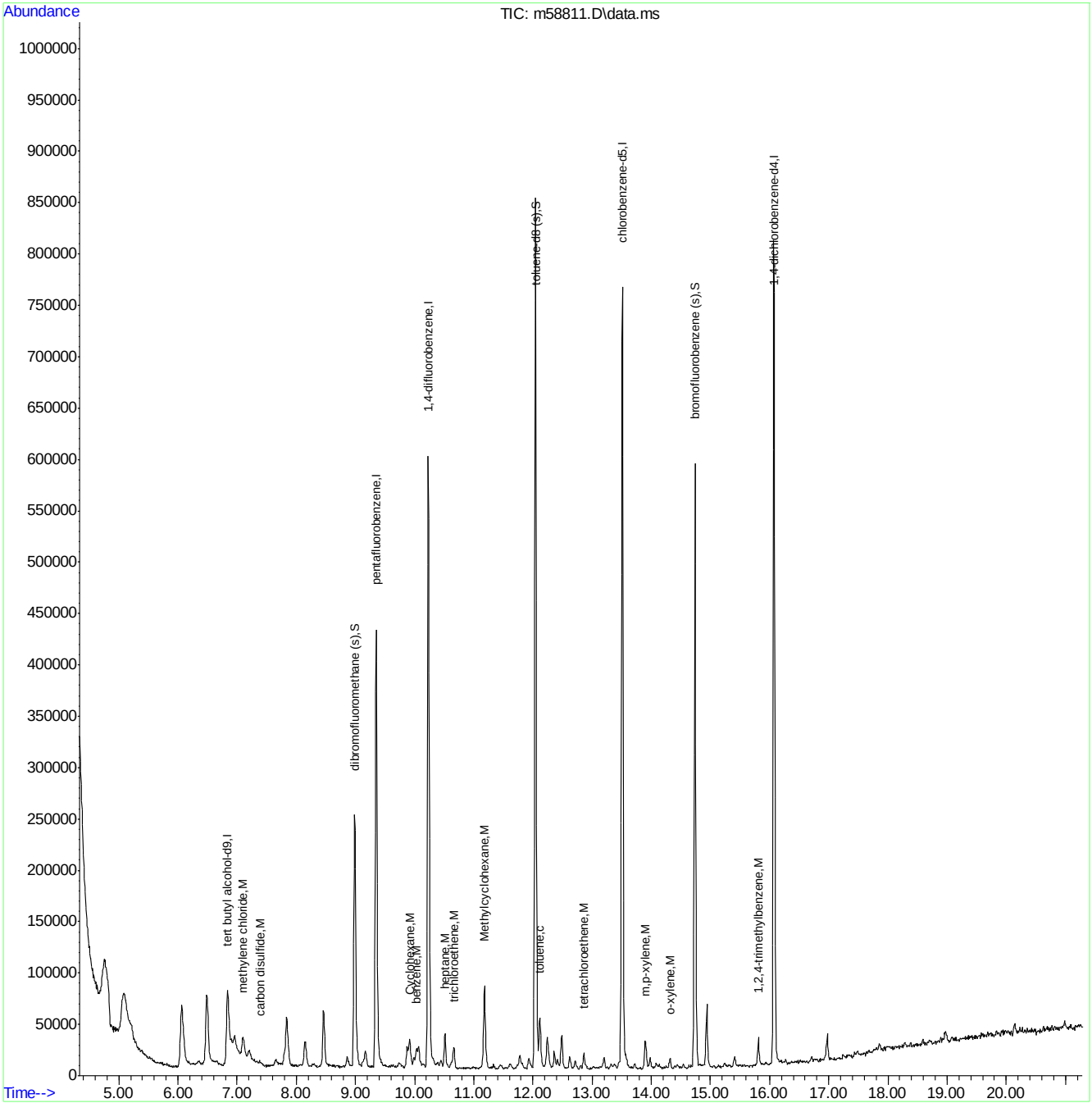
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	255569	500.00	ug/kg	-0.01
4) pentafluorobenzene	9.349	168	327698	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	559616	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	239261	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	236948	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	174434	41.58	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.16%			
59) toluene-d8 (s)	12.043	98	620507	42.02	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.04%			
81) bromofluorobenzene (s)	14.738	95	215227	46.77	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.54%			
Target Compounds						Qvalue
18) methylene chloride	7.099	84	15425	3.38	ug/kg	98
24) carbon disulfide	7.382	76	8958	0.69	ug/kg	97
43) Cyclohexane	9.921	56	18420	2.67	ug/kg	87
46) benzene	10.036	78	16621	0.92	ug/kg	97
49) heptane	10.514	43	17764	2.33	ug/kg	97
50) trichloroethene	10.662	95	6279	1.32	ug/kg	91
54) Methylcyclohexane	11.181	83	34851	4.79	ug/kg	98
61) toluene	12.117	92	19703	1.78	ug/kg	100
66) tetrachloroethene	12.858	166	4209	1.10	ug/kg	84
74) m,p-xylene	13.902	106	10450	1.31	ug/kg	94
75) o-xylene	14.320	106	2930	0.37	ug/kg#	72
90) 1,2,4-trimethylbenzene	15.809	105	5491	0.33	ug/kg	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

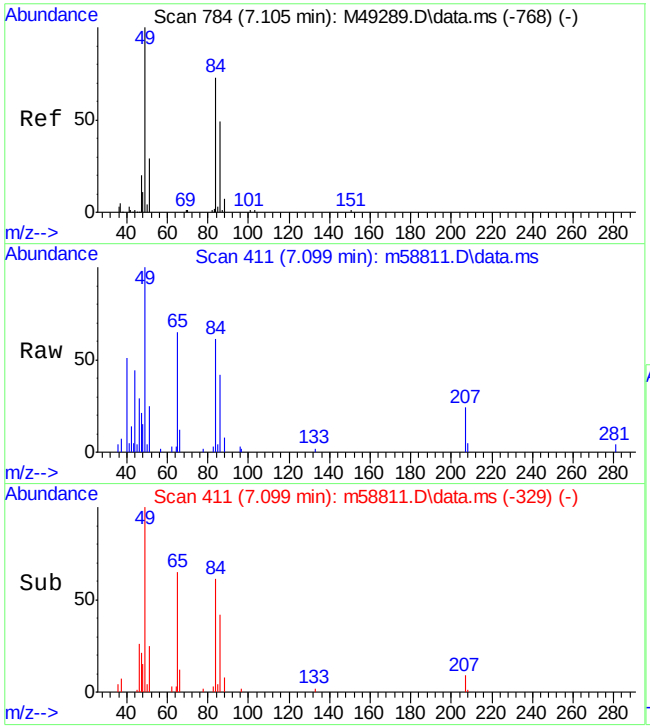
Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58811.D
Acq On : 28 Aug 2013 6:08 pm
Operator : krystend
Sample : mc23735-5
Misc : MS29769,MSM2028,5.263,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 29 08:26:46 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration



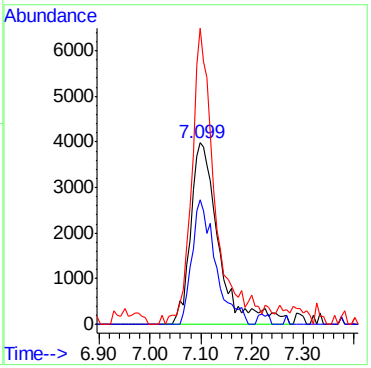
M130821S.M Thu Aug 29 08:27:22 2013 Page: 2

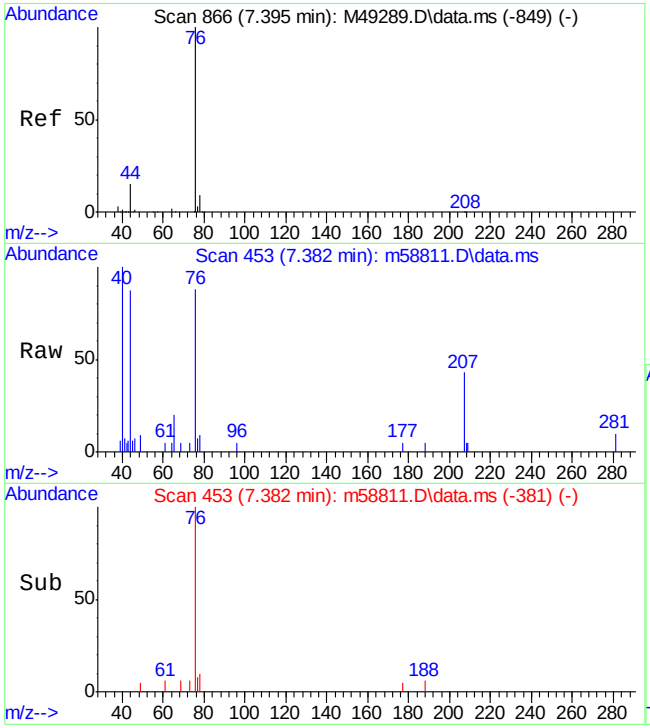


#18
methylene chloride
Concen: 3.38 ug/kg
RT: 7.099 min Scan# 411
Delta R.T. -0.006 min
Lab File: m58811.D
Acq: 28 Aug 2013 6:08 pm

Tgt Ion: 84 Resp: 15425

Ion	Ratio	Lower	Upper
84	100		
86	68.6	37.2	97.2
49	158.2	125.7	185.7

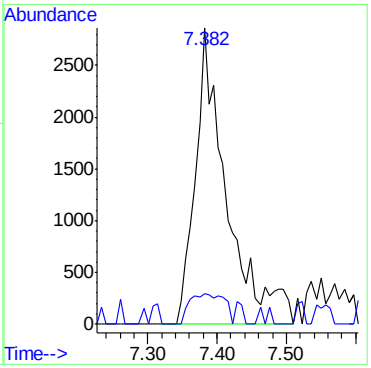


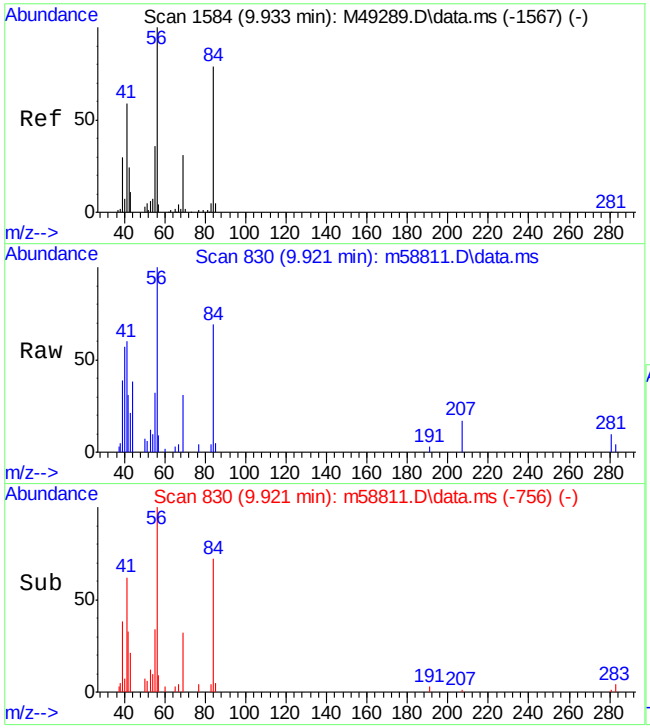


#24
carbon disulfide
Concen: 0.69 ug/kg
RT: 7.382 min Scan# 453
Delta R.T. -0.013 min
Lab File: m58811.D
Acq: 28 Aug 2013 6:08 pm

Tgt Ion: 76 Resp: 8958

Ion	Ratio	Lower	Upper
76	100		
78	10.2	0.0	39.1

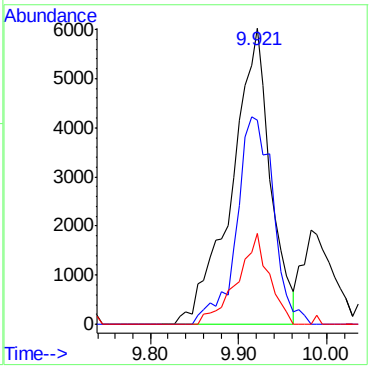


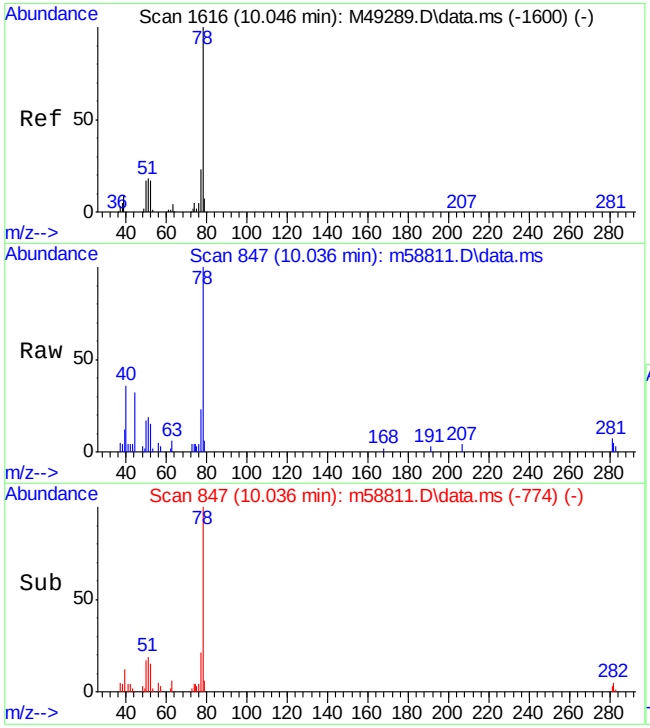


#43
Cyclohexane
Concen: 2.67 ug/kg
RT: 9.921 min Scan# 830
Delta R.T. 0.000 min
Lab File: m58811.D
Acq: 28 Aug 2013 6:08 pm

Tgt Ion: 56 Resp: 18420

Ion	Ratio	Lower	Upper
56	100		
84	68.9	61.8	101.8
69	30.8	7.1	47.1

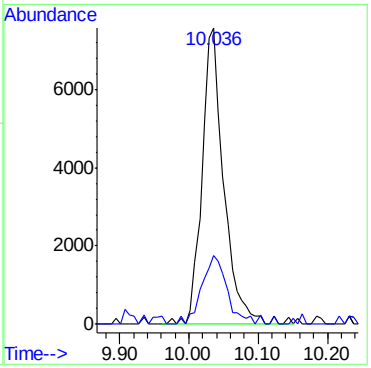


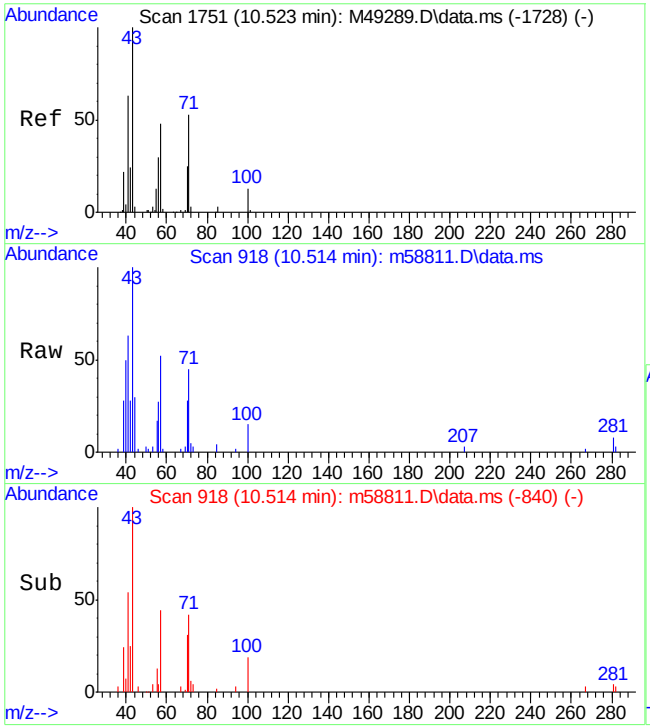


#46
benzene
Concen: 0.92 ug/kg
RT: 10.036 min Scan# 847
Delta R.T. -0.000 min
Lab File: m58811.D
Acq: 28 Aug 2013 6:08 pm

Tgt Ion: 78 Resp: 16621

Ion	Ratio	Lower	Upper
78	100		
77	21.0	0.0	52.6

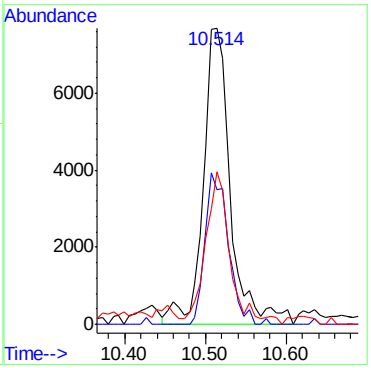


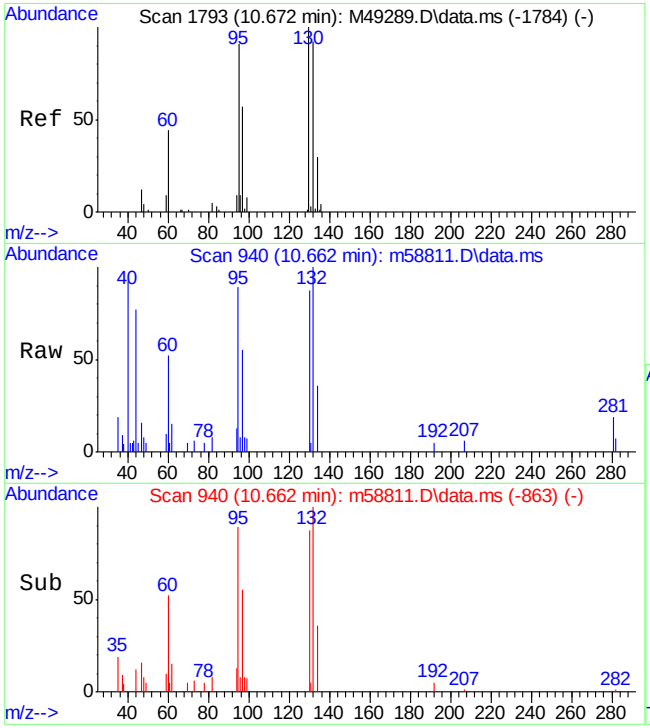


#49
heptane
Concen: 2.33 ug/kg
RT: 10.514 min Scan# 918
Delta R.T. 0.007 min
Lab File: m58811.D
Acq: 28 Aug 2013 6:08 pm

Tgt Ion: 43 Resp: 17764

Ion	Ratio	Lower	Upper
43	100		
71	45.4	18.2	78.2
57	49.7	18.7	78.7

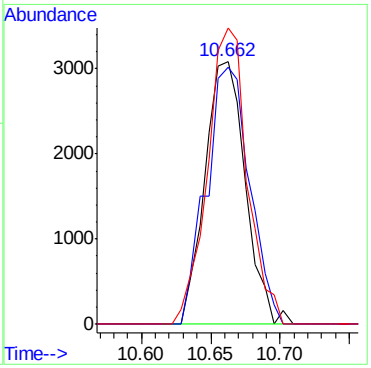


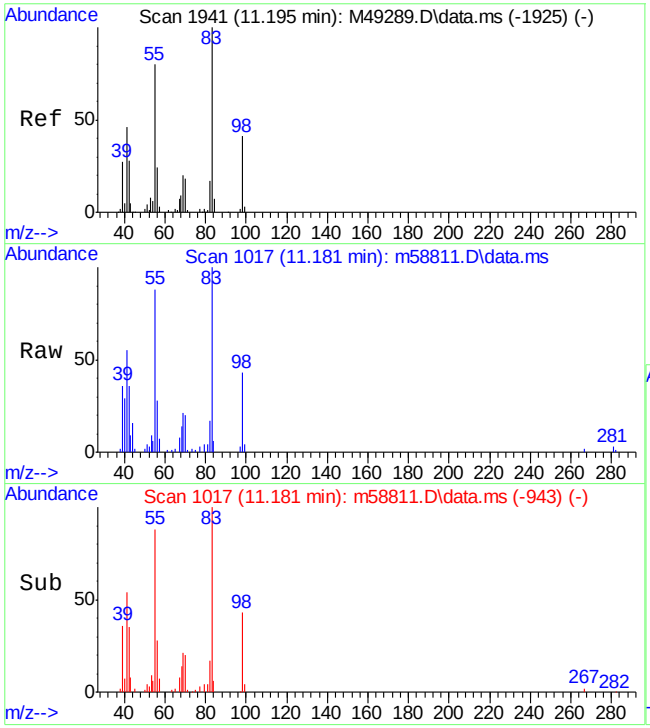


#50
trichloroethene
Concen: 1.32 ug/kg
RT: 10.662 min Scan# 940
Delta R.T. 0.000 min
Lab File: m58811.D
Acq: 28 Aug 2013 6:08 pm

Tgt Ion: 95 Resp: 6279

Ion	Ratio	Lower	Upper
95	100		
130	97.9	73.0	133.0
132	112.7	70.3	130.3

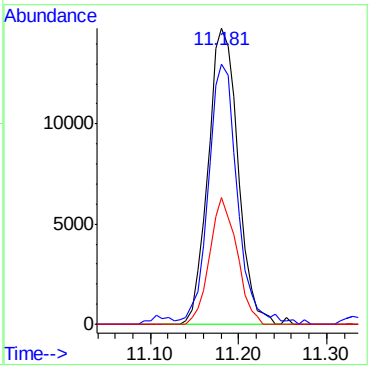


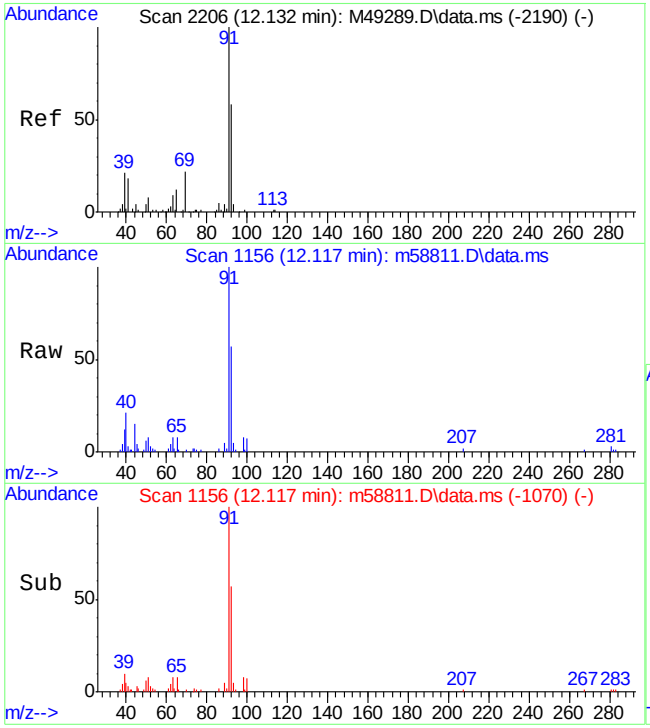


#54
Methylcyclohexane
Concen: 4.79 ug/kg
RT: 11.181 min Scan# 1017
Delta R.T. -0.000 min
Lab File: m58811.D
Acq: 28 Aug 2013 6:08 pm

Tgt Ion: 83 Resp: 34851

Ion	Ratio	Lower	Upper
83	100		
55	86.2	63.6	103.6
98	42.7	23.6	63.6

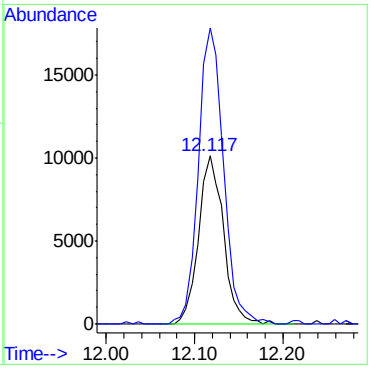


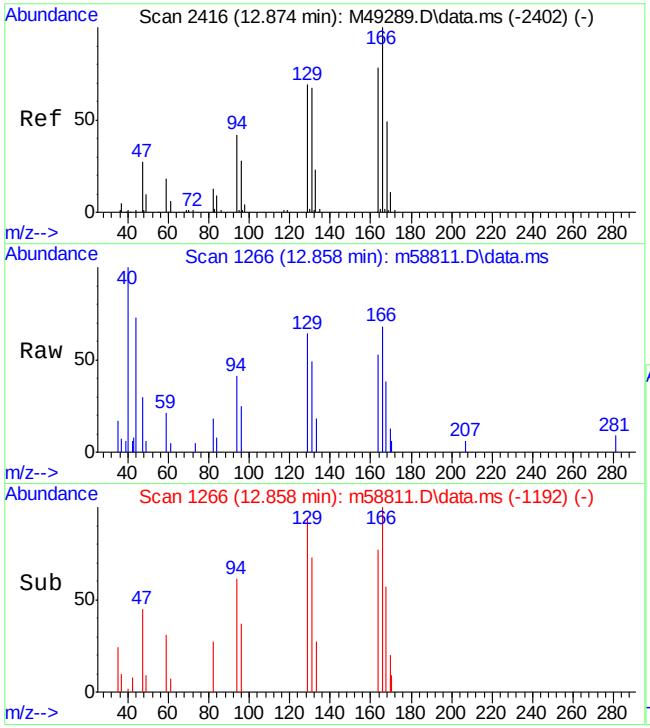


#61
toluene
Concen: 1.78 ug/kg
RT: 12.117 min Scan# 1156
Delta R.T. 0.000 min
Lab File: m58811.D
Acq: 28 Aug 2013 6:08 pm

Tgt Ion: 92 Resp: 19703

Ion	Ratio	Lower	Upper
92	100		
91	176.0	145.9	205.9

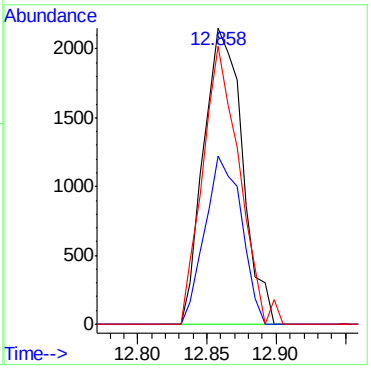


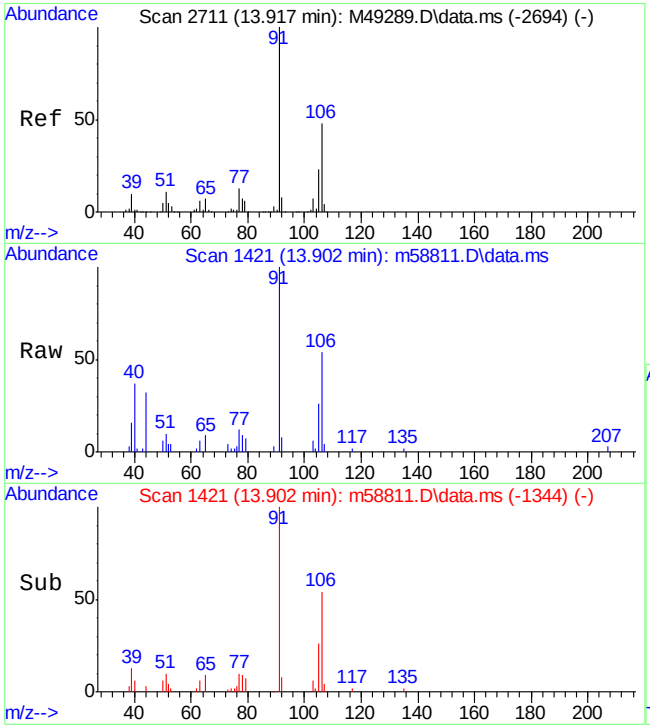


#66
tetrachloroethene
Concen: 1.10 ug/kg
RT: 12.858 min Scan# 1266
Delta R.T. 0.000 min
Lab File: m58811.D
Acq: 28 Aug 2013 6:08 pm

Tgt Ion:166 Resp: 4209

Ion	Ratio	Lower	Upper
166	100		
168	56.7	16.5	76.5
129	94.0	49.6	109.6

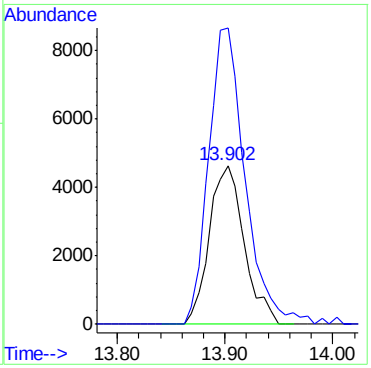


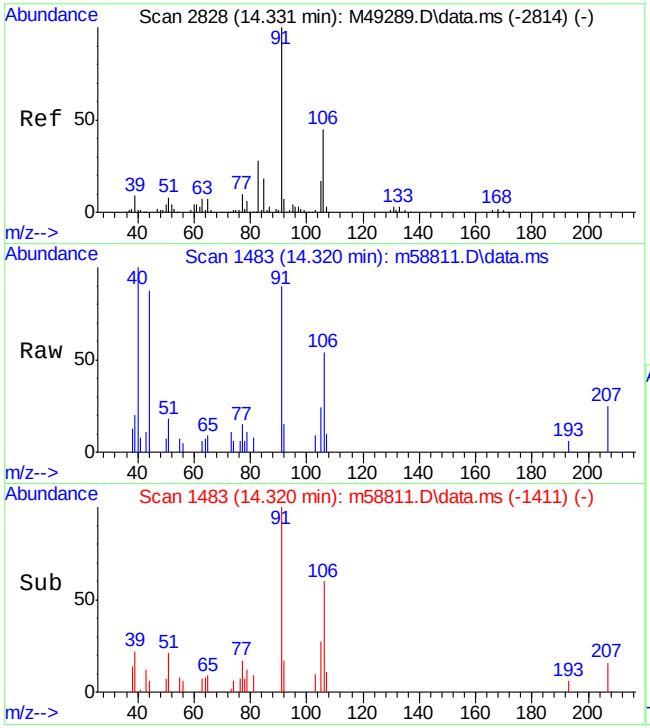


#74
m,p-xylene
Concen: 1.31 ug/kg
RT: 13.902 min Scan# 1421
Delta R.T. 0.000 min
Lab File: m58811.D
Acq: 28 Aug 2013 6:08 pm

Tgt Ion:106 Resp: 10450

Ion	Ratio	Lower	Upper
106	100		
91	186.6	166.0	226.0

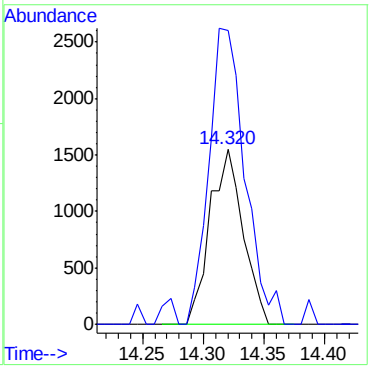


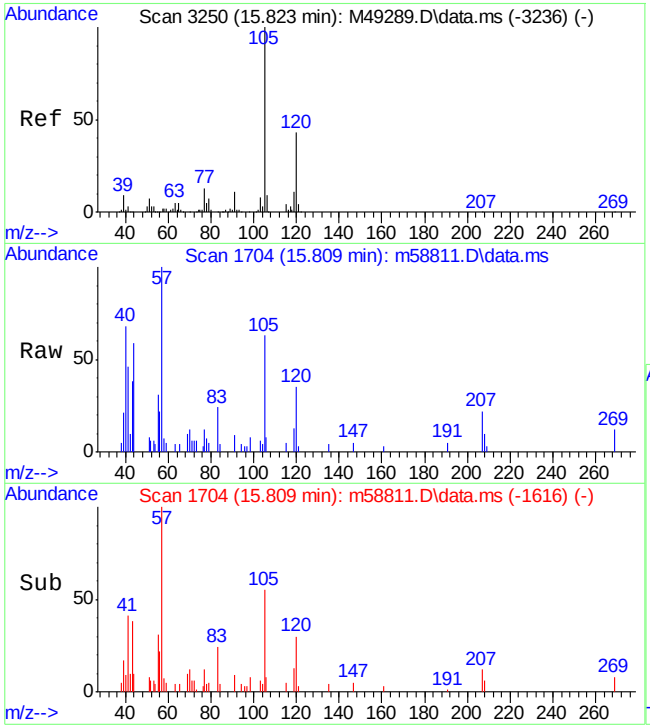


#75
o-xylene
Concen: 0.37 ug/kg
RT: 14.320 min Scan# 1483
Delta R.T. 0.007 min
Lab File: m58811.D
Acq: 28 Aug 2013 6:08 pm

Tgt Ion:106 Resp: 2930

Ion	Ratio	Lower	Upper
106	100		
91	167.3	180.6	240.6#

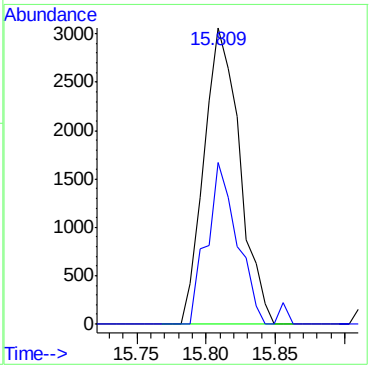




#90
1,2,4-trimethylbenzene
Concen: 0.33 ug/kg
RT: 15.809 min Scan# 1704
Delta R.T. -0.000 min
Lab File: m58811.D
Acq: 28 Aug 2013 6:08 pm

Tgt Ion:105 Resp: 5491

Ion	Ratio	Lower	Upper
105	100		
120	54.6	16.7	76.7



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58811.D
Acq On : 28 Aug 2013 6:08 pm
Operator : krystend
Sample : mc23735-5
Misc : MS29769,MSM2028,5.263,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

Signal : TIC: m58811.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.068	247	258	311	rBV2	59978	275942	17.19%	2.325%
2	6.486	311	320	361	rVV2	69702	278786	17.37%	2.349%
3	6.836	361	372	405	rVV	74031	473088	29.47%	3.986%
4	7.099	405	411	473	rVB7	28521	242781	15.12%	2.046%
5	7.833	509	520	549	rVB3	48257	170943	10.65%	1.440%
6	8.143	557	566	583	rVB3	24776	76905	4.79%	0.648%
7	8.291	583	588	599	rVB6	3725	12573	0.78%	0.106%
8	8.459	605	613	643	rVB2	55126	146347	9.12%	1.233%
9	8.864	665	673	683	rBV5	9415	22811	1.42%	0.192%
10	8.985	683	691	709	rVV	245322	568163	35.39%	4.787%
11	9.167	709	718	735	rVB5	16041	51786	3.23%	0.436%
12	9.349	735	745	781	rVB	425982	936311	58.32%	7.889%
13	9.739	795	803	815	rBV8	4724	16067	1.00%	0.135%
14	9.914	815	829	837	rVV5	27671	115473	7.19%	0.973%
15	10.063	837	851	869	rVV4	20669	112635	7.02%	0.949%
16	10.231	869	876	903	rVV	595520	1234029	76.87%	10.398%
17	10.447	903	908	913	rVV5	7252	17946	1.12%	0.151%
18	10.514	913	918	929	rVV	33184	68911	4.29%	0.581%
19	10.662	929	940	949	rVB5	21530	62095	3.87%	0.523%
20	10.756	949	954	965	rBV6	1567	5294	0.33%	0.045%
21	10.858	965	969	983	rBV5	1692	6408	0.40%	0.054%
22	11.181	1003	1017	1035	rBV2	81027	203704	12.69%	1.716%
23	11.329	1035	1039	1049	rVB6	4921	10028	0.62%	0.084%
24	11.450	1049	1057	1065	rBV8	4413	14593	0.91%	0.123%
25	11.605	1065	1080	1093	rBV10	5069	21037	1.31%	0.177%
26	11.774	1093	1105	1123	rVB5	13015	45434	2.83%	0.383%
27	11.929	1123	1128	1137	rBV7	10203	27452	1.71%	0.231%
28	12.043	1137	1145	1153	rVV	847274	1605358	100.00%	13.526%
29	12.117	1153	1156	1165	rVV	48653	96923	6.04%	0.817%
30	12.238	1167	1174	1185	rVV2	29877	80149	4.99%	0.675%
31	12.360	1185	1192	1205	rVV4	16477	50777	3.16%	0.428%
32	12.488	1205	1211	1221	rVB2	32513	71686	4.47%	0.604%
33	12.622	1221	1231	1239	rVB5	11910	26799	1.67%	0.226%
34	12.710	1239	1244	1253	rVB6	7910	20909	1.30%	0.176%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58811.D
Acq On : 28 Aug 2013 6:08 pm
Operator : krystend
Sample : mc23735-5
Misc : MS29769,MSM2028,5.263,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

35	12.858	1253	1266	1281	rVB9	16149	47670	2.97%	0.402%
36	13.013	1281	1289	1303	rBV7	3121	16126	1.00%	0.136%
37	13.202	1303	1317	1329	rVB4	11832	40378	2.52%	0.340%
38	13.316	1329	1334	1339	rBV5	5464	14506	0.90%	0.122%
39	13.512	1349	1363	1387	rBV	760486	1468632	91.48%	12.374%
40	13.714	1387	1393	1401	rVB6	5094	13850	0.86%	0.117%
41	13.896	1411	1420	1427	rBV2	27767	68439	4.26%	0.577%
42	13.983	1427	1433	1439	rVV5	10841	22764	1.42%	0.192%
43	14.084	1441	1448	1467	rVB7	5420	20816	1.30%	0.175%
44	14.253	1467	1473	1477	rBV5	2392	4213	0.26%	0.035%
45	14.320	1477	1483	1489	rVB5	9741	17759	1.11%	0.150%
46	14.401	1489	1495	1497	rBV2	2479	3290	0.20%	0.028%
47	14.542	1511	1516	1525	rVB5	4211	6630	0.41%	0.056%
48	14.738	1525	1545	1565	rBV	588448	1099099	68.46%	9.261%
49	14.940	1565	1575	1589	rVB	62430	137241	8.55%	1.156%
50	15.135	1599	1604	1613	rBV7	2777	4879	0.30%	0.041%
51	15.243	1613	1620	1639	rVV7	4081	17077	1.06%	0.144%
52	15.411	1639	1645	1681	rVB8	10657	44583	2.78%	0.376%
53	15.809	1695	1704	1733	rBV	27507	75251	4.69%	0.634%
54	16.071	1733	1743	1869	rVV	802378	1575139	98.12%	13.272%

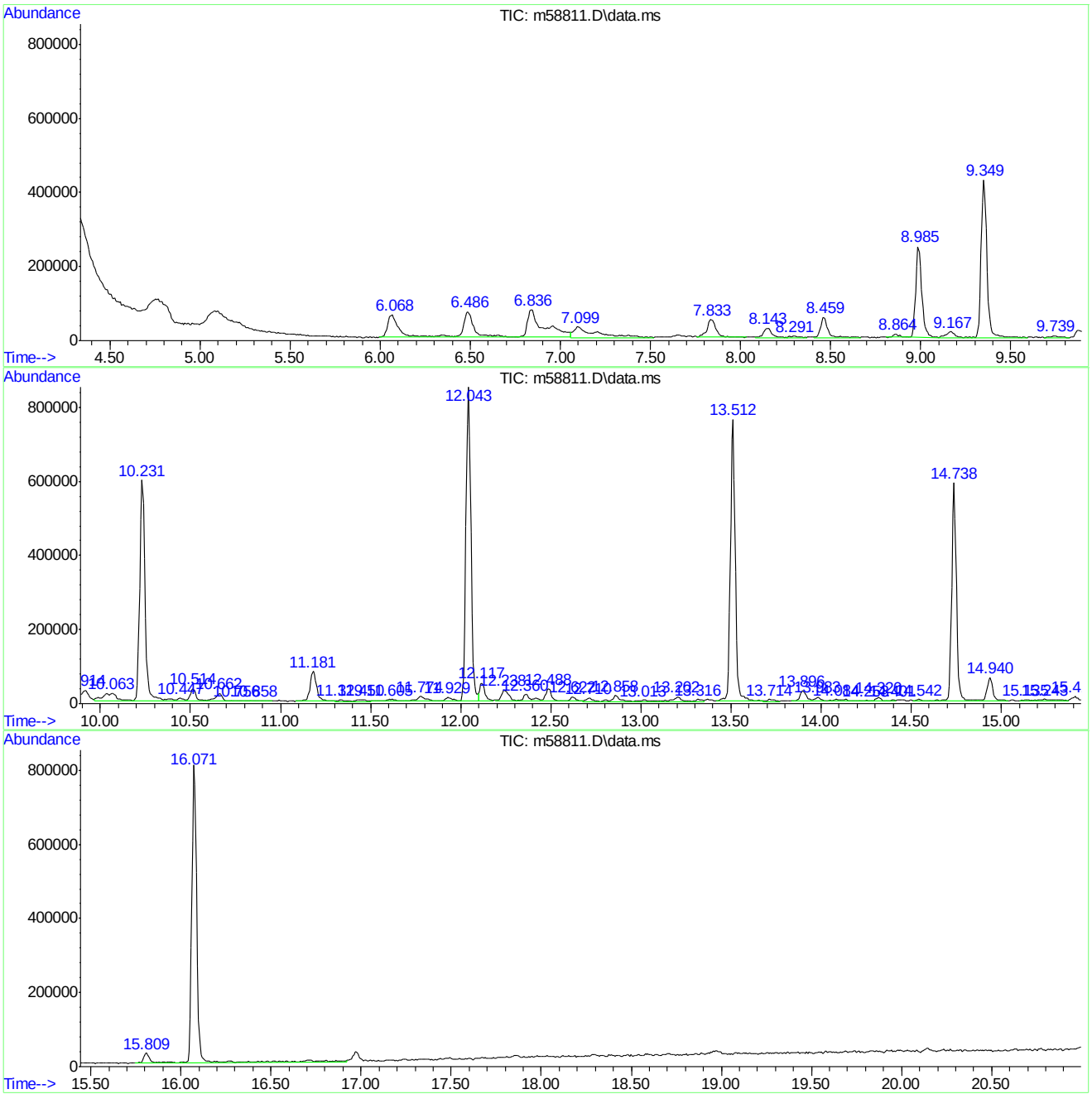
Sum of corrected areas: 11868485

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58811.D
Acq On : 28 Aug 2013 6:08 pm
Operator : krystend
Sample : mc23735-5
Misc : MS29769,MSM2028,5.263,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58811.D
Acq On : 28 Aug 2013 6:08 pm
Operator : krystend
Sample : mc23735-5
Misc : MS29769,MSM2028,5.263,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

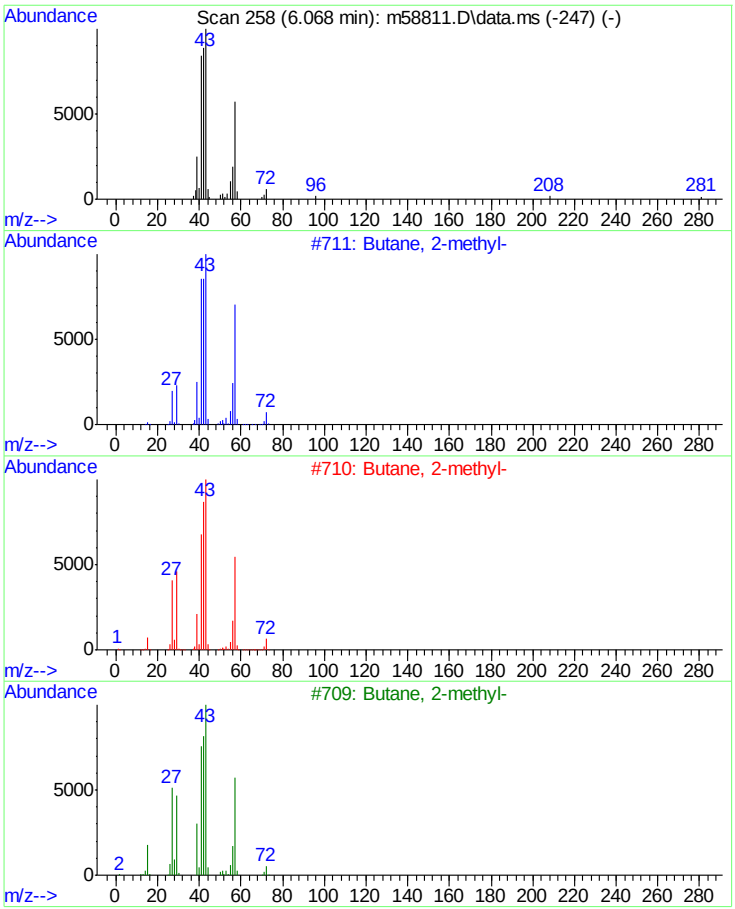
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

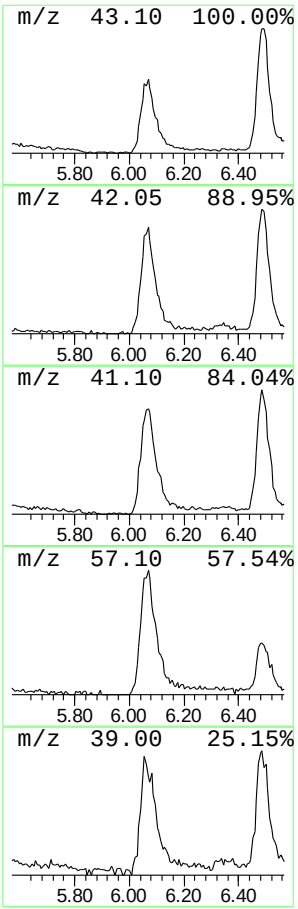
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.068	14.74 ug/kg	275942	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	91
4	3-Buten-1-ol	72	C4H8O	000627-27-0	43
5	Oxirane, trimethyl-	86	C5H10O	005076-19-7	42





Library Search Compound Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58811.D
Acq On : 28 Aug 2013 6:08 pm
Operator : krystend
Sample : mc23735-5
Misc : MS29769,MSM2028,5.263,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

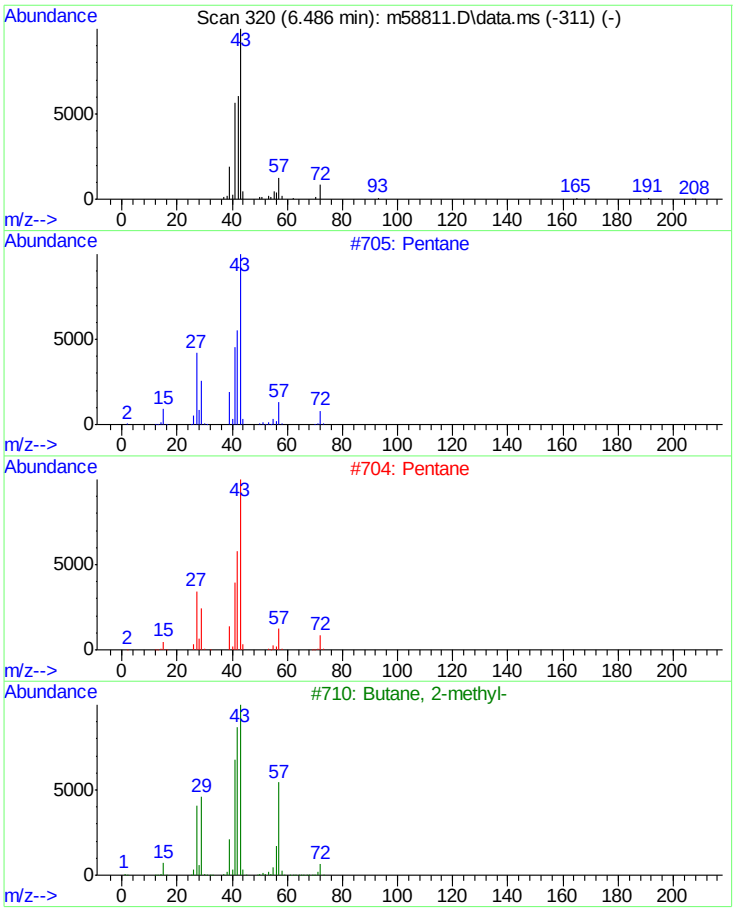
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

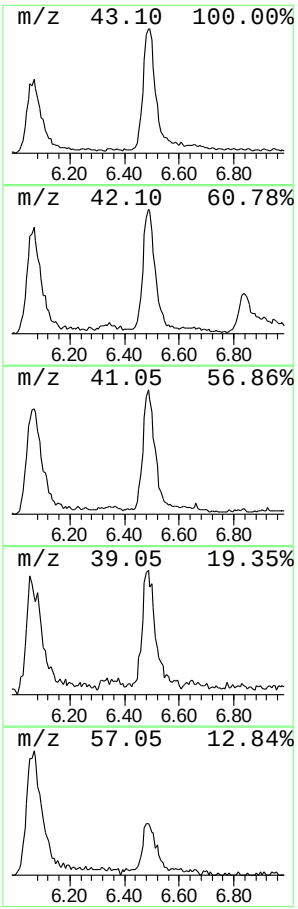
****

Peak Number 2 Pentane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.486	14.89 ug/kg	278786	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	86
3	Butane, 2-methyl-	72	C5H12	000078-78-4	72
4	Pentane	72	C5H12	000109-66-0	64
5	Butane, 2-methyl-	72	C5H12	000078-78-4	50





Library Search Compound Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58811.D
Acq On : 28 Aug 2013 6:08 pm
Operator : krystend
Sample : mc23735-5
Misc : MS29769,MSM2028,5.263,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

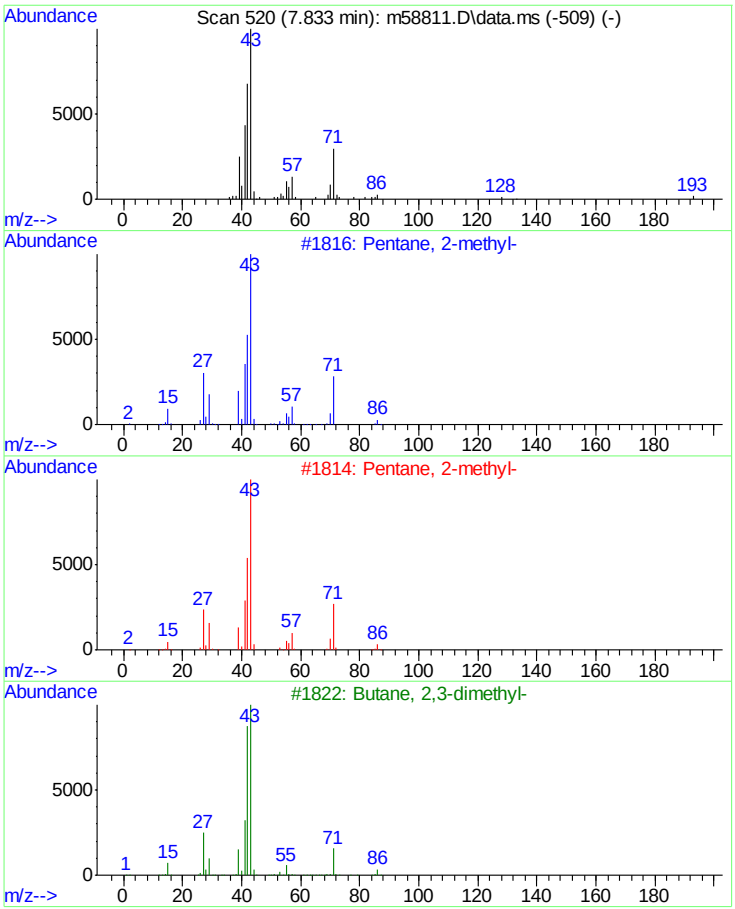
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

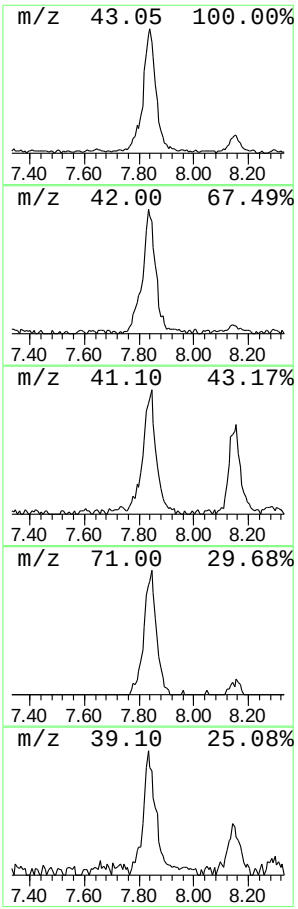
****

Peak Number 3 Pentane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.833	9.13 ug/kg	170943	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	87
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	80
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	59
4	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	50
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	45





Library Search Compound Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58811.D
Acq On : 28 Aug 2013 6:08 pm
Operator : krystend
Sample : mc23735-5
Misc : MS29769,MSM2028,5.263,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

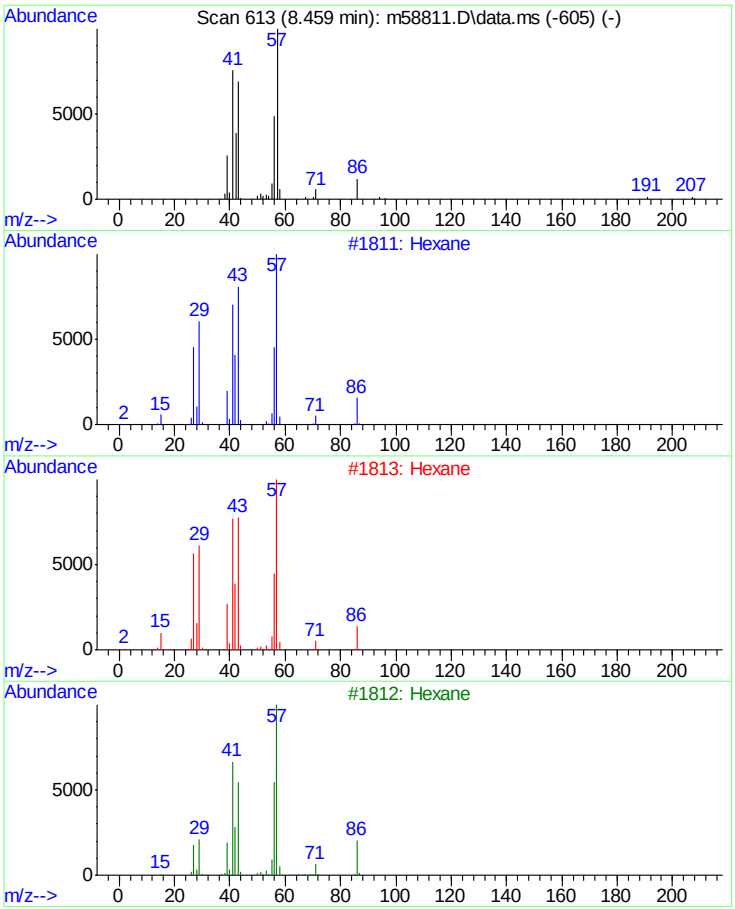
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

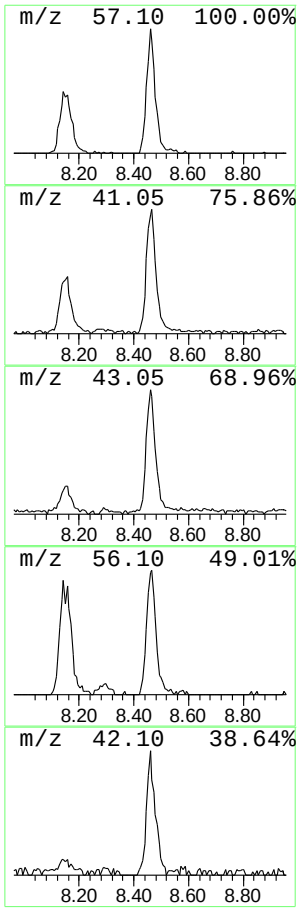
****

Peak Number 4 Hexane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.459	7.82 ug/kg	146347	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	90
2	Hexane	86	C6H14	000110-54-3	90
3	Hexane	86	C6H14	000110-54-3	86
4	3-Buten-1-ol, 3-methyl-	86	C5H10O	000763-32-6	43
5	Cyclobutanone, 3-ethyl-	98	C6H10O	056335-73-0	42





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58811.D
Acq On : 28 Aug 2013 6:08 pm
Operator : krystend
Sample : mc23735-5
Misc : MS29769,MSM2028,5.263,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	6.068	14.7	ug/kg	275942	2	9.349	936311	50.0
Pentane	6.486	14.9	ug/kg	278786	2	9.349	936311	50.0
Pentane, 2-methyl-	7.833	9.1	ug/kg	170943	2	9.349	936311	50.0
Hexane	8.459	7.8	ug/kg	146347	2	9.349	936311	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58810.D
Acq On : 28 Aug 2013 5:39 pm
Operator : krystend
Sample : mb
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 29 08:25:02 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.850	65	152048	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	360028	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.238	114	616569	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	257225	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	256127	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	189557	41.13	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 82.26%			
59) toluene-d8 (s)	12.043	98	683818	42.03	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.06%			
81) bromofluorobenzene (s)	14.738	95	229942	46.22	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.44%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.2.1

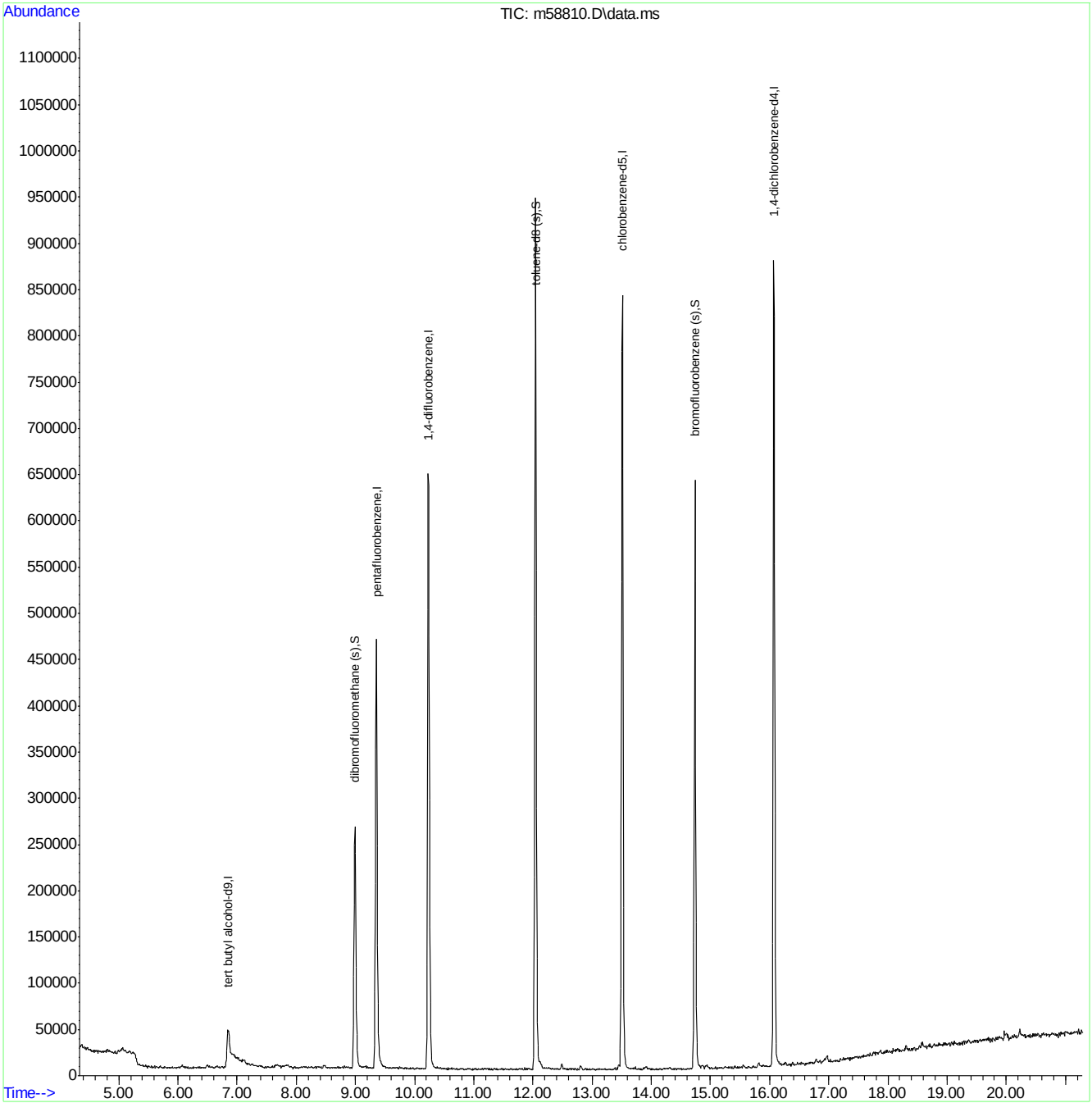
7

ACCUTEST LABORATORIES MC23735

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58810.D
Acq On : 28 Aug 2013 5:39 pm
Operator : krystend
Sample : mb
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 29 08:25:02 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58810.D
Acq On : 28 Aug 2013 5:39 pm
Operator : krystend
Sample : mb
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

Signal : TIC: m58810.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.509	171	175	219	rVB10	3548	31334	1.74%	0.317%
2	6.075	253	259	313	rBV10	4015	36971	2.05%	0.374%
3	6.843	363	373	465	rVB2	41798	357212	19.81%	3.616%
4	8.345	537	596	609	rBV10	3101	54458	3.02%	0.551%
5	8.473	611	615	629	rVB9	3570	14140	0.78%	0.143%
6	8.992	683	692	735	rBV	260603	619596	34.35%	6.272%
7	9.349	735	745	777	rVB	464754	1032533	57.25%	10.453%
8	10.231	867	876	923	rVB	644850	1367733	75.83%	13.846%
9	10.561	923	925	931	rVV3	2546	3209	0.18%	0.032%
10	10.629	931	935	965	rVB5	2445	15786	0.88%	0.160%
11	11.141	997	1011	1013	rBV5	1543	5434	0.30%	0.055%
12	11.397	1039	1049	1051	rVB3	2373	6595	0.37%	0.067%
13	11.464	1053	1059	1063	rVB6	1542	3573	0.20%	0.036%
14	11.720	1081	1097	1101	rVB5	1686	6794	0.38%	0.069%
15	11.767	1101	1104	1113	rBV6	2272	5331	0.30%	0.054%
16	11.861	1113	1118	1135	rVV8	3218	10236	0.57%	0.104%
17	12.043	1135	1145	1173	rVV	943071	1803613	100.00%	18.258%
18	12.259	1173	1177	1205	rVV8	3079	16405	0.91%	0.166%
19	12.488	1205	1211	1225	rVV2	6417	16457	0.91%	0.167%
20	12.636	1225	1233	1239	rVV5	1781	5413	0.30%	0.055%
21	12.717	1239	1245	1249	rVV3	2044	2726	0.15%	0.028%
22	12.798	1249	1257	1267	rVB6	4663	14626	0.81%	0.148%
23	12.885	1267	1270	1281	rBV4	2635	5904	0.33%	0.060%
24	13.007	1281	1288	1305	rVV3	1249	4850	0.27%	0.049%
25	13.222	1305	1320	1325	rVB5	1461	5113	0.28%	0.052%
26	13.391	1339	1345	1347	rVB3	2525	3791	0.21%	0.038%
27	13.512	1347	1363	1413	rBV	837637	1596472	88.52%	16.161%
28	13.909	1413	1422	1437	rBV5	3709	15986	0.89%	0.162%
29	14.159	1455	1459	1463	rBV3	2007	2563	0.14%	0.026%
30	14.313	1463	1482	1493	rVB5	2718	14807	0.82%	0.150%
31	14.738	1527	1545	1559	rBV	637529	1163195	64.49%	11.775%
32	15.176	1601	1610	1617	rBV5	2299	9196	0.51%	0.093%
33	15.243	1617	1620	1631	rVV6	2299	6481	0.36%	0.066%
34	15.822	1699	1706	1735	rBV6	4796	22157	1.23%	0.224%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58810.D
Acq On : 28 Aug 2013 5:39 pm
Operator : krystend
Sample : mb
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

35	16.072	1735	1743	1767	rBV	870932	1597570	88.58%	16.173%

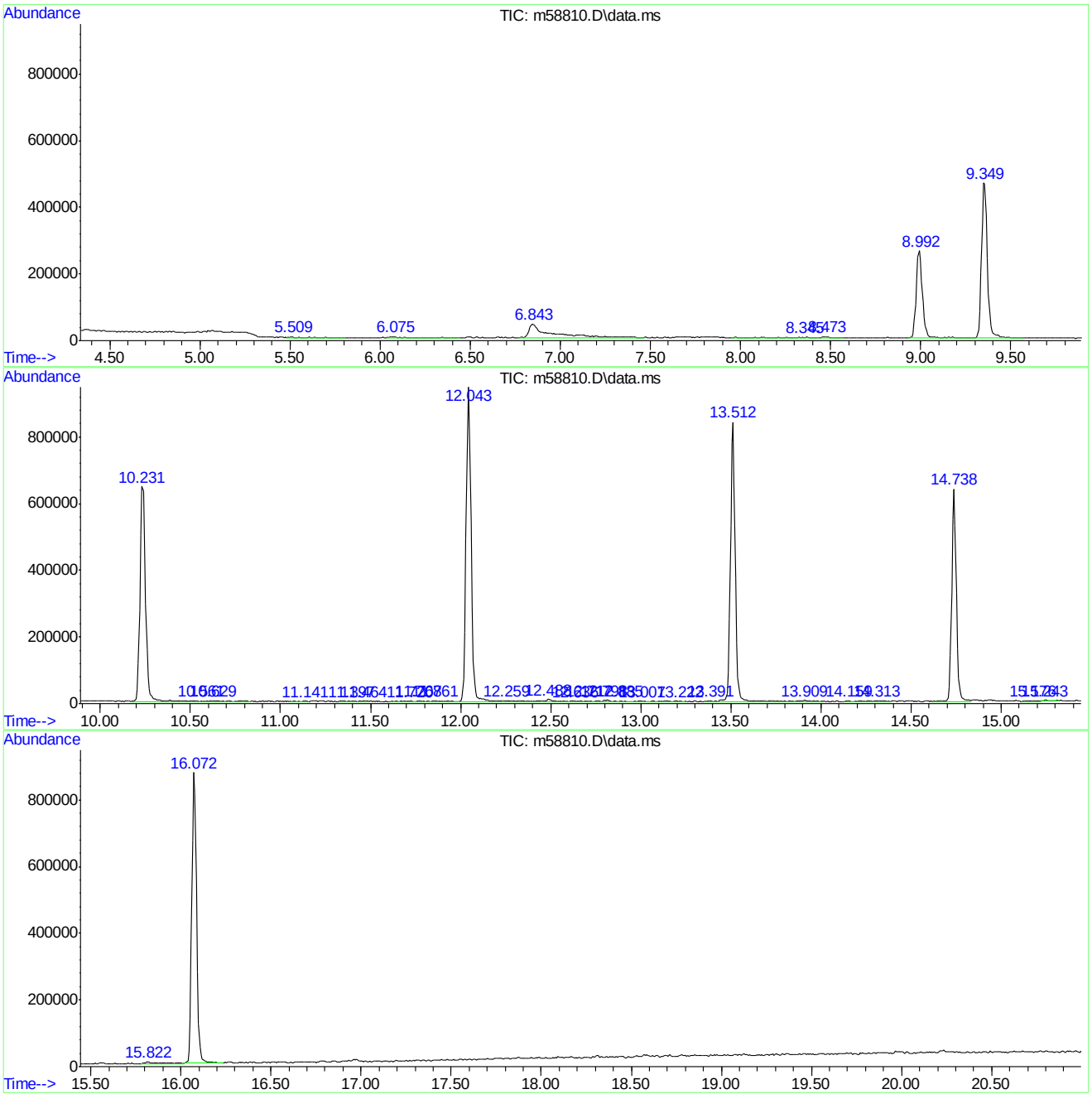
Sum of corrected areas: 9878260

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58810.D
Acq On : 28 Aug 2013 5:39 pm
Operator : krystend
Sample : mb
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



ACCUTEST LABORATORIES MC23735

Library Search Compound Report

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58810.D
Acq On : 28 Aug 2013 5:39 pm
Operator : krystend
Sample : mb
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58810.D
Acq On : 28 Aug 2013 5:39 pm
Operator : krystend
Sample : mb
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/29/13 09:36

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58808.D
Acq On : 28 Aug 2013 4:40 pm
Operator : krystend
Sample : bs
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 28 17:06:44 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	146636	500.00	ug/kg	0.00
4) pentafluorobenzene		9.355	168	395754	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	662002	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	294925	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	325763	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	207579	40.97	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 81.94%			
59) toluene-d8 (s)		12.043	98	734412	42.05	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 84.10%			
81) bromofluorobenzene (s)		14.738	95	270824	42.80	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 85.60%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.937	59	246874m	627.36	ug/kg	
3) Ethanol		5.650	45	211225	5432.22	ug/kg#	65
5) dichlorodifluoromethane		4.438	85	376695	67.50	ug/kg	99
6) chloromethane		4.701	50	540732	62.41	ug/kg	99
7) vinyl chloride		4.977	62	415793	41.20	ug/kg	94
8) bromomethane	...	5.509	96	252439	54.67	ug/kg	98
9) chloroethane		5.684	64	189589m	58.45	ug/kg	
10) ethyl ether		6.580	59	217580	57.21	ug/kg	96
11) acetonitrile		6.580	41	61957	52.75	ug/kg	95
12) trichlorofluoromethane		6.338	101	469767	57.80	ug/kg	93
13) freon-113		7.159	101	268918	63.76	ug/kg	90
14) acrolein		6.338	56	131901	450.15	ug/kg	99
15) 1,1-dichloroethene		6.951	96	282160	60.89	ug/kg	90
16) acetone		6.479	58	52789	60.42	ug/kg#	80
17) Methyl Acetate		7.132	43	279178	43.71	ug/kg	93
18) methylene chloride		7.112	84	321195	58.22	ug/kg	92
19) methyl tert butyl ether		7.907	73	654944	55.37	ug/kg	96
20) acrylonitrile		7.004	53	102882	52.77	ug/kg	94
21) allyl chloride		7.200	41	505234	55.14	ug/kg	98
22) trans-1,2-dichloroethene		7.813	96	312265	58.40	ug/kg	94
23) iodomethane		7.011	142	554189	63.22	ug/kg	100
24) carbon disulfide		7.395	76	956611	61.45	ug/kg	99
25) propionitrile		8.163	54	36659	56.35	ug/kg	100
26) vinyl acetate		8.177	43	464316	41.80	ug/kg	97
27) chloroprene		8.446	53	494135	61.25	ug/kg	97
28) di-isopropyl ether		8.486	45	1031292	53.32	ug/kg	99
29) methacrylonitrile		8.601	41	159995	49.01	ug/kg	98
30) 2-butanone		8.493	72	42388	47.51	ug/kg#	1
31) 1,1-dichloroethane		8.076	63	528629	61.22	ug/kg	97
32) tert-butyl ethyl ether		8.891	59	822925	57.41	ug/kg	99
33) isobutyl alcohol		8.891	43	189682	262.40	ug/kg	95
34) 2,2-dichloropropane		8.958	77	357632	61.61	ug/kg	99
35) cis-1,2-dichloroethene		8.662	96	342280	56.83	ug/kg	92
36) ethyl acetate		8.891	43	198957	54.53	ug/kg	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58808.D
Acq On : 28 Aug 2013 4:40 pm
Operator : krystend
Sample : bs
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 28 17:06:44 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	172568	64.04	ug/kg	90
38) chloroform	8.864	83	535995	59.81	ug/kg	100
40) Tetrahydrofuran	9.200	42	91497	48.33	ug/kg	99
41) 1,1,1-trichloroethane	9.632	97	454516	62.35	ug/kg	96
43) Cyclohexane	9.921	56	457662	56.04	ug/kg	98
44) carbon tetrachloride	10.002	117	437959	64.74	ug/kg	99
45) 1,1-dichloropropene	9.807	75	395819	58.27	ug/kg	96
46) benzene	10.036	78	1193562	56.12	ug/kg	100
47) 1,2-dichloroethane	9.531	62	371661	55.37	ug/kg	96
48) tert-amyl methyl ether	10.150	73	667504	58.17	ug/kg	96
49) heptane	10.514	43	492621	54.66	ug/kg	99
50) trichloroethene	10.662	95	316102	56.13	ug/kg	94
51) 1,2-dichloropropane	10.629	63	311108	56.39	ug/kg	100
52) dibromomethane	10.602	93	191876	63.39	ug/kg	97
53) bromodichloromethane	10.716	83	417786	59.79	ug/kg	99
54) Methylcyclohexane	11.181	83	521249	60.60	ug/kg	96
55) 2-chloroethyl vinyl ether	11.087	63	89422	40.57	ug/kg	98
56) methyl methacrylate	10.804	69	173625	57.26	ug/kg	90
57) 1,4-dioxane	10.804	88	13302	286.10	ug/kg	93
58) cis-1,3-dichloropropene	11.336	75	468106	56.00	ug/kg	99
60) 4-methyl-2-pentanone	11.423	43	307440	51.20	ug/kg	99
61) toluene	12.117	92	778536	59.51	ug/kg	98
62) trans-1,3-dichloropropene	11.754	75	413511	59.82	ug/kg	94
63) 1,1,2-trichloroethane	11.929	83	212886	57.41	ug/kg	93
64) ethyl methacrylate	12.124	69	352066	55.01	ug/kg	99
66) tetrachloroethene	12.858	166	318364	67.61	ug/kg	99
67) 1,3-dichloropropane	12.164	76	405395	59.09	ug/kg	99
68) dibromochloromethane	12.461	129	349526	67.29	ug/kg	99
69) 1,2-dibromoethane	12.717	107	277777	62.99	ug/kg	97
70) 2-hexanone	12.286	43	255141	46.95	ug/kg	99
71) chlorobenzene	13.545	112	895964	61.74	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.465	131	329929	65.46	ug/kg	98
73) ethylbenzene	13.714	91	1460351	62.20	ug/kg	98
74) m,p-xylene	13.902	106	1229034	124.65	ug/kg	97
75) o-xylene	14.313	106	612709	62.38	ug/kg	95
76) styrene	14.239	104	921338m	62.06	ug/kg	
77) bromoform	14.071	173	215200m	70.82	ug/kg	
78) trans-1,4-dichloro-2-b...	14.462	53	101797	56.13	ug/kg	88
80) isopropylbenzene	14.677	105	1582062	57.37	ug/kg	97
82) bromobenzene	14.967	156	390669	60.05	ug/kg	97
83) 1,1,2,2-tetrachloroethane	14.320	83	371890	54.68	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	379532	55.42	ug/kg	95
85) n-propylbenzene	15.122	91	1756733	55.01	ug/kg	98
86) 2-chlorotoluene	15.243	91	1028761	54.83	ug/kg	96
87) 4-chlorotoluene	15.317	91	1068658	57.18	ug/kg	96
88) 1,3,5-trimethylbenzene	15.398	105	1335047	57.21	ug/kg	97
89) tert-butylbenzene	15.708	91	717596	55.32	ug/kg	88
90) 1,2,4-trimethylbenzene	15.809	105	1317486	57.45	ug/kg	99
91) sec-butylbenzene	15.930	105	1812147	57.42	ug/kg	97
92) 1,3-dichlorobenzene	16.038	146	778724	56.97	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58808.D
Acq On : 28 Aug 2013 4:40 pm
Operator : krystend
Sample : bs
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 28 17:06:44 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

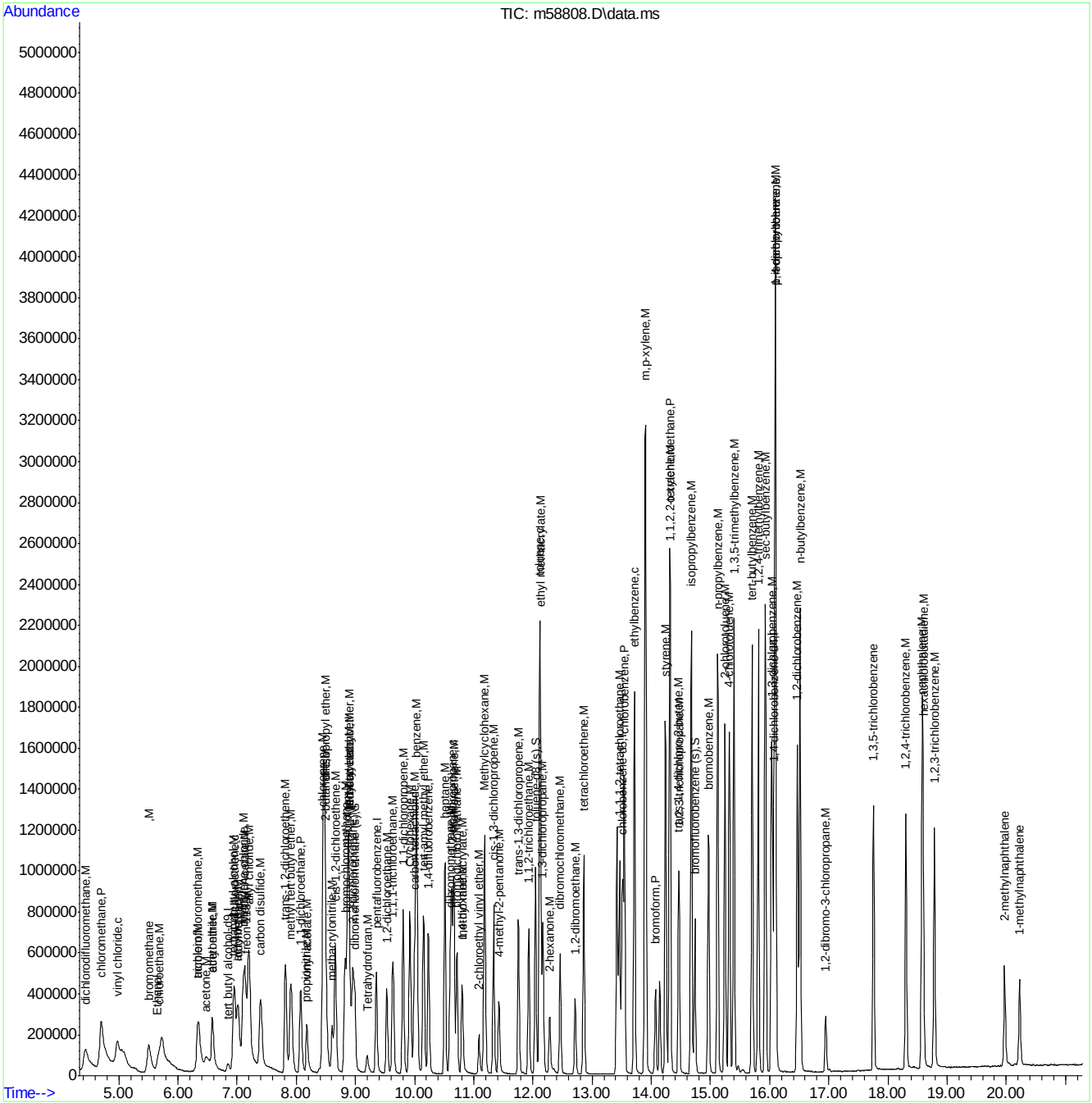
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	1537864	60.89	ug/kg	98
94) 1,4-dichlorobenzene	16.099	146	840479	58.24	ug/kg	97
95) 1,2-dichlorobenzene	16.469	146	755857	56.87	ug/kg	98
96) n-butylbenzene	16.516	91	1358485	55.13	ug/kg	97
97) 1,2-dibromo-3-chloropr...	16.947	75	68533	58.44	ug/kg	97
98) 1,3,5-trichlorobenzene	17.756	180	434207	49.93	ug/kg	100
99) 1,2,4-trichlorobenzene	18.301	180	435089	53.72	ug/kg	96
100) hexachlorobutadiene	18.598	225	222980	52.53	ug/kg	99
101) naphthalene	18.578	128	1205727	55.45	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	417597	53.58	ug/kg	94
103) 2-methylnaphthalene	19.972	142	309336	27.58	ug/kg	99
104) 1-methylnaphthalene	20.228	TIC	984772	27.52	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58808.D
Acq On : 28 Aug 2013 4:40 pm
Operator : krystend
Sample : bs
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

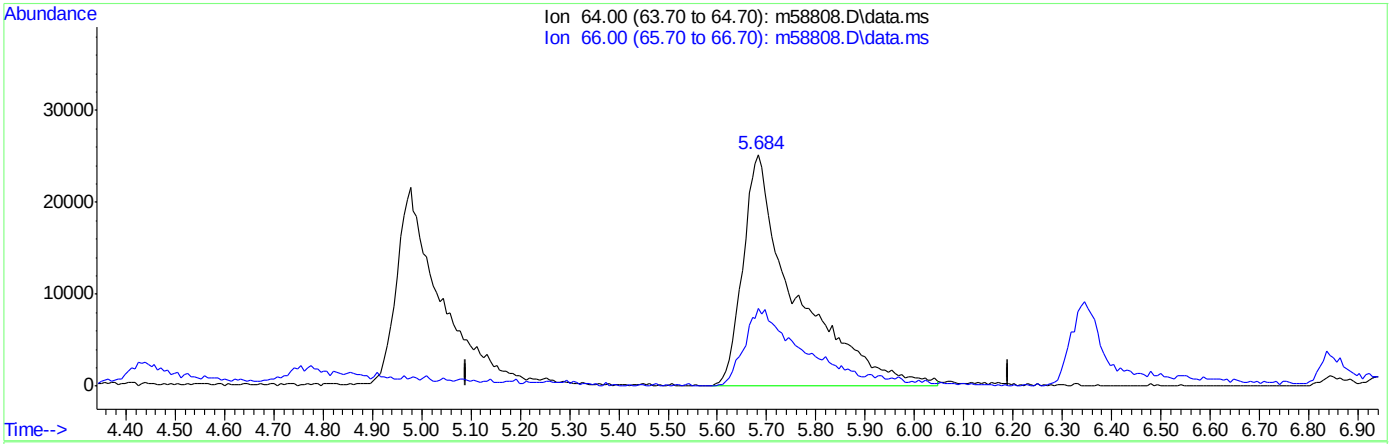
Quant Time: Aug 28 17:06:44 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

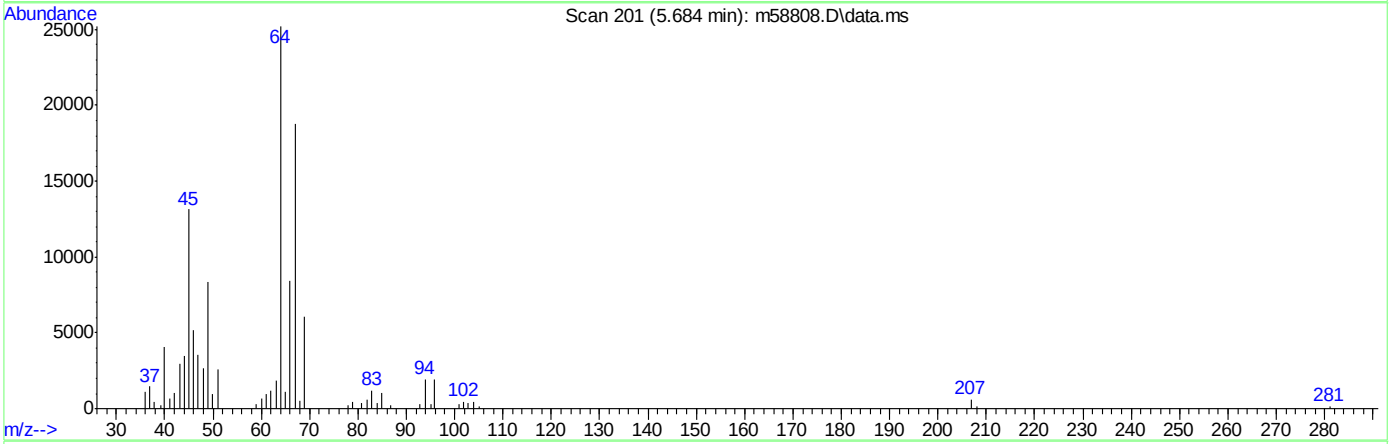


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58808.D
Acq On : 28 Aug 2013 4:40 pm
Operator : krystend
Sample : bs
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 28 17:03:40 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m58808.D\data.ms

(9) chloroethane (M)

5.684min (+0.013) 58.45ug/kg m

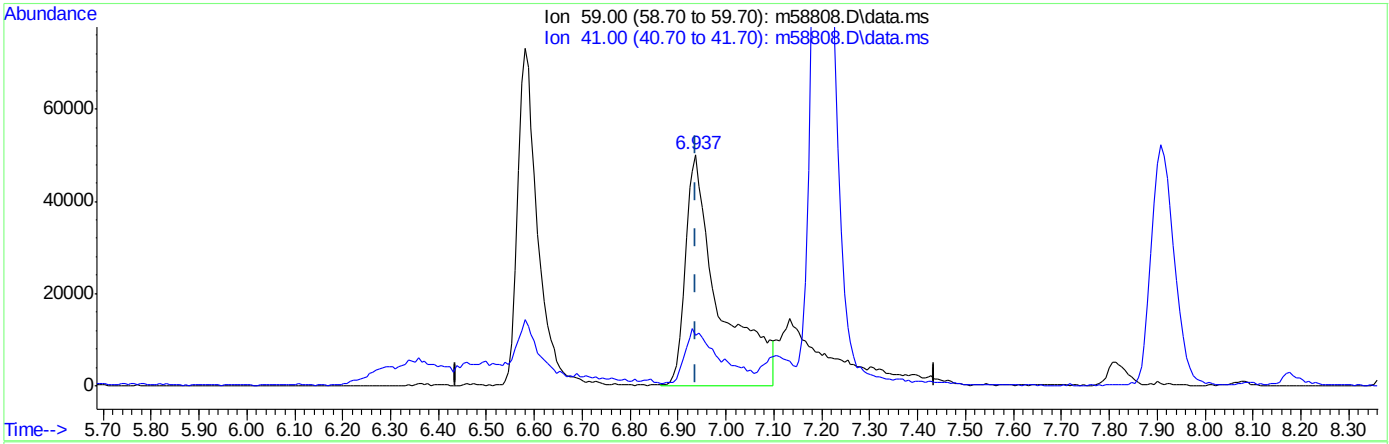
response 189589

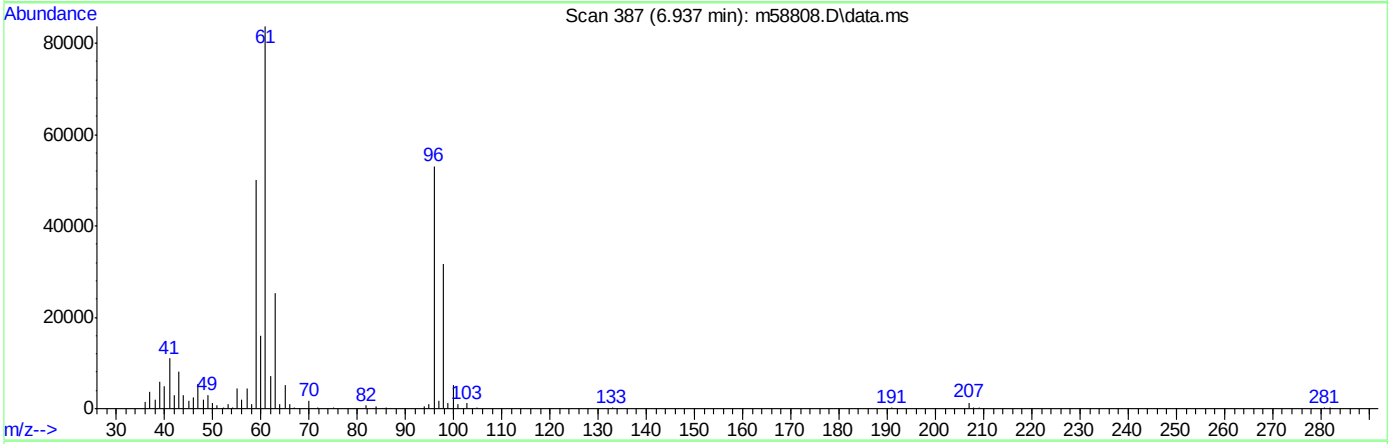
Ion	Exp%	Act%
64.00	100	100
66.00	31.60	33.45
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58808.D
Acq On : 28 Aug 2013 4:40 pm
Operator : krystend
Sample : bs
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 28 17:03:49 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m58808.D\data.ms

(2) tertiary butyl alcohol (M)

6.937min (+0.000) 627.36ug/kg m

response 246874

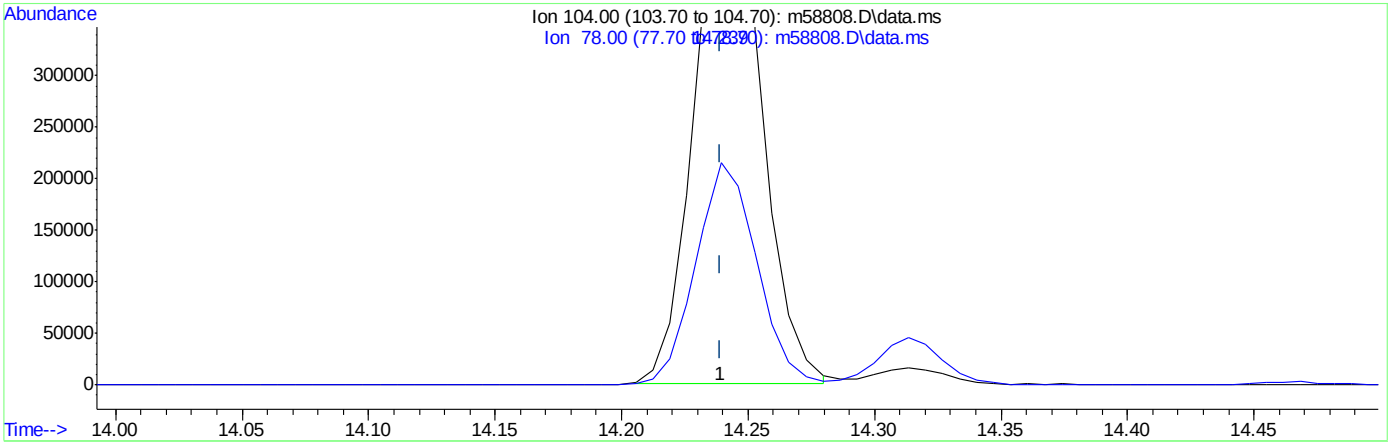
Ion	Exp%	Act%
59.00	100	100
41.00	27.30	21.81
0.00	0.00	0.00
0.00	0.00	0.00

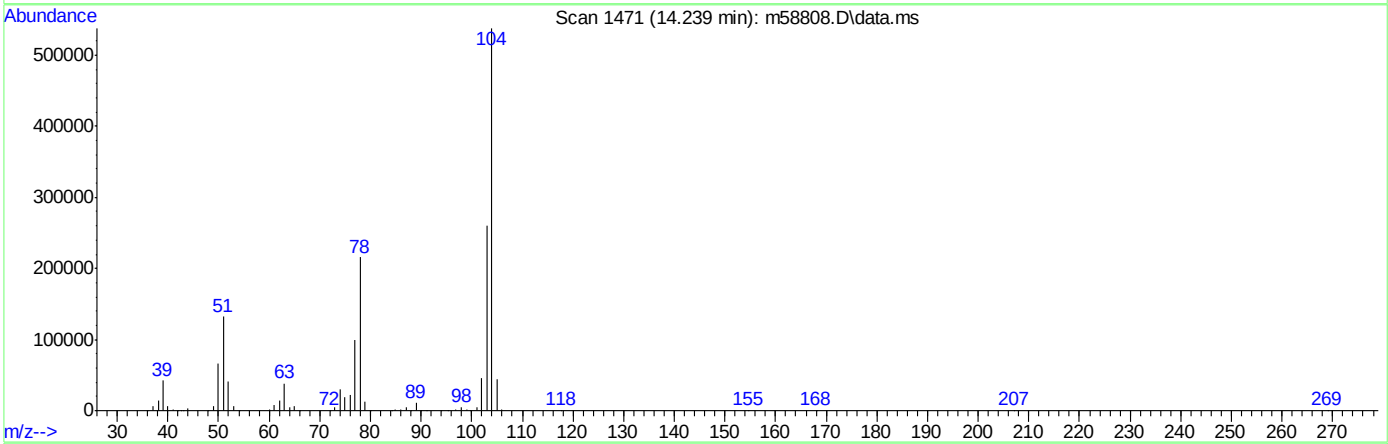
ACCUTEST LABORATORIES MC23735

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58808.D
Acq On : 28 Aug 2013 4:40 pm
Operator : krystend
Sample : bs
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 28 17:03:49 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m58808.D\data.ms

(76) styrene (M)

14.239min (+0.000) 62.06ug/kg m

response 921338

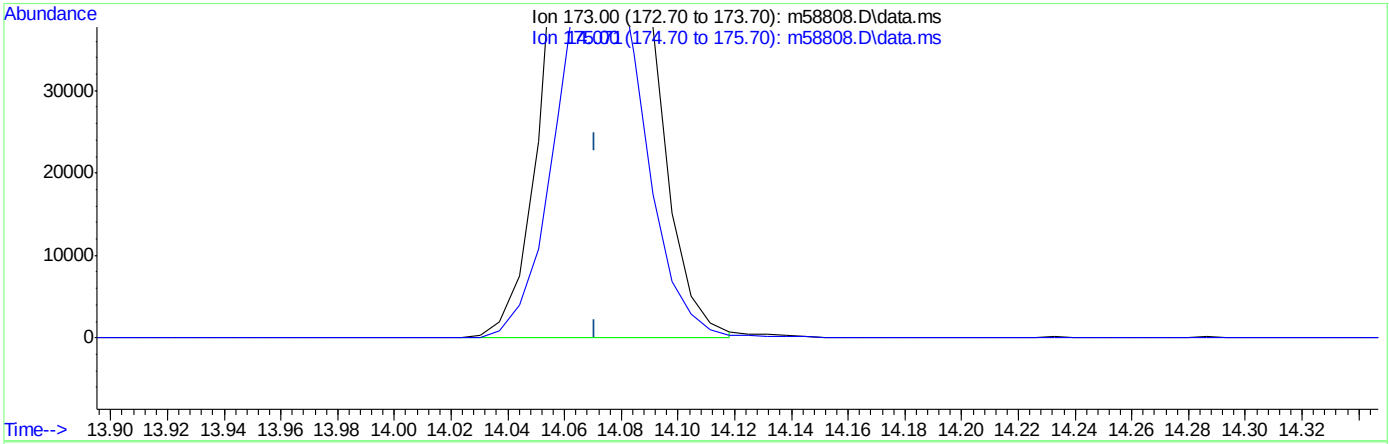
Ion	Exp%	Act%
104.00	100	100
78.00	39.80	40.05
0.00	0.00	0.00
0.00	0.00	0.00

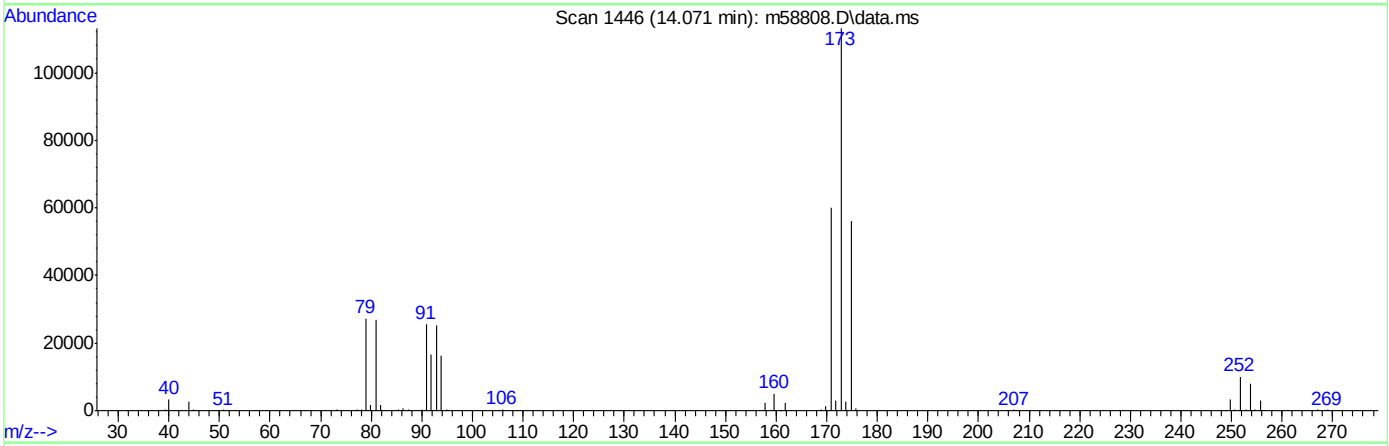
ACCUTEST LABORATORIES MC23735

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58808.D
Acq On : 28 Aug 2013 4:40 pm
Operator : krystend
Sample : bs
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 28 17:03:49 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m58808.D\data.ms

(77) bromoform (P)

14.071min (-0.000) 70.82ug/kg m

response 215200

Ion	Exp%	Act%
173.00	100	100
175.00	47.50	49.56
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58812.D
Acq On : 28 Aug 2013 6:37 pm
Operator : krystend
Sample : mc23735-5ms
Misc : MS29769,MSM2028,4.887,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 29 08:27:30 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	274391	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	360691	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.238	114	607266	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	270141	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	289222	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	192489	41.69	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.38%			
59) toluene-d8 (s)	12.043	98	667936	41.69	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.38%			
81) bromofluorobenzene (s)	14.738	95	243470	43.34	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 86.68%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	386282	524.59	ug/kg	95
3) Ethanol	5.657	45	204413	2842.37	ug/kg	99
5) dichlorodifluoromethane	4.431	85	286579	56.34	ug/kg	100
6) chloromethane	4.714	50	393088	49.78	ug/kg	98
7) vinyl chloride	4.977	62	298835	32.49	ug/kg	97
8) bromomethane ...	5.502	96	190999	45.38	ug/kg	97
9) chloroethane	5.684	64	138998	47.02	ug/kg	96
10) ethyl ether	6.580	59	155400	44.83	ug/kg	97
11) acetonitrile	6.580	41	54067	50.72	ug/kg	84
12) trichlorofluoromethane	6.344	101	331013	44.68	ug/kg	95
13) freon-113	7.146	101	191408	49.79	ug/kg	97
14) acrolein	6.331	56	76053	288.93	ug/kg	96
15) 1,1-dichloroethene	6.950	96	200333	47.43	ug/kg	86
16) acetone	6.486	58	30876	38.77	ug/kg#	1
17) Methyl Acetate	7.132	43	198699	34.13	ug/kg	88
18) methylene chloride	7.112	84	229520	45.65	ug/kg	92
19) methyl tert butyl ether	7.914	73	500772	46.45	ug/kg	98
20) acrylonitrile	7.004	53	92853	52.26	ug/kg	91
21) allyl chloride	7.200	41	341523	40.89	ug/kg	98
22) trans-1,2-dichloroethene	7.819	96	202252	41.50	ug/kg	96
23) iodomethane	7.018	142	379496	47.50	ug/kg	99
24) carbon disulfide	7.395	76	668868	47.15	ug/kg	99
25) propionitrile	8.109	54	35953	60.64	ug/kg	100
26) vinyl acetate	8.183	43	251873	24.88	ug/kg	97
27) chloroprene	8.446	53	311665	42.39	ug/kg	96
28) di-isopropyl ether	8.486	45	713635	40.48	ug/kg	97
29) methacrylonitrile	8.608	41	137661	46.27	ug/kg	99
30) 2-butanone	8.500	72	30561	36.87	ug/kg#	63
31) 1,1-dichloroethane	8.075	63	362442	46.06	ug/kg	98
32) tert-butyl ethyl ether	8.891	59	579631	44.37	ug/kg	99
33) isobutyl alcohol	8.904	43	177324	269.15	ug/kg#	65
34) 2,2-dichloropropane	8.958	77	242399	45.82	ug/kg	99
35) cis-1,2-dichloroethene	8.661	96	224251	40.85	ug/kg	94
36) ethyl acetate	8.904	43	175376	52.74	ug/kg	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58812.D
Acq On : 28 Aug 2013 6:37 pm
Operator : krystend
Sample : mc23735-5ms
Misc : MS29769,MSM2028,4.887,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 29 08:27:30 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	119723	48.75	ug/kg#	86
38) chloroform	8.864	83	363752	44.54	ug/kg	98
40) Tetrahydrofuran	9.200	42	98657	57.18	ug/kg	98
41) 1,1,1-trichloroethane	9.632	97	313202	47.14	ug/kg	97
43) Cyclohexane	9.921	56	342702	45.74	ug/kg	98
44) carbon tetrachloride	10.002	117	301540	48.59	ug/kg	98
45) 1,1-dichloropropene	9.807	75	264401	42.43	ug/kg	98
46) benzene	10.036	78	814945	41.77	ug/kg	100
47) 1,2-dichloroethane	9.530	62	262052	42.56	ug/kg	97
48) tert-amyl methyl ether	10.150	73	480483	45.65	ug/kg	97
49) heptane	10.514	43	358158	43.32	ug/kg	99
50) trichloroethene	10.662	95	217653	42.13	ug/kg	91
51) 1,2-dichloropropane	10.629	63	207908	41.08	ug/kg	98
52) dibromomethane	10.602	93	137572	49.55	ug/kg	95
53) bromodichloromethane	10.716	83	278386	43.43	ug/kg	98
54) Methylcyclohexane	11.188	83	407664	51.67	ug/kg	96
55) 2-chloroethyl vinyl ether	11.188	63	3972	1.96	ug/kg#	1
56) methyl methacrylate	10.804	69	138109	49.65	ug/kg	93
57) 1,4-dioxane	10.817	88	12572	294.91	ug/kg	78
58) cis-1,3-dichloropropene	11.336	75	296862	38.71	ug/kg	98
60) 4-methyl-2-pentanone	11.423	43	301919	54.82	ug/kg	99
61) toluene	12.117	92	532026	44.33	ug/kg	99
62) trans-1,3-dichloropropene	11.760	75	263284	41.52	ug/kg	93
63) 1,1,2-trichloroethane	11.929	83	149699	44.01	ug/kg	94
64) ethyl methacrylate	12.131	69	242600	41.32	ug/kg	99
66) tetrachloroethene	12.858	166	219215	50.83	ug/kg	100
67) 1,3-dichloropropane	12.164	76	282031	44.88	ug/kg	98
68) dibromochloromethane	12.461	129	230129	48.37	ug/kg	97
69) 1,2-dibromoethane	12.717	107	193845	47.99	ug/kg	100
70) 2-hexanone	12.286	43	216981	43.60	ug/kg	97
71) chlorobenzene	13.545	112	541845	40.76	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.465	131	210771	45.65	ug/kg	97
73) ethylbenzene	13.714	91	927682	43.14	ug/kg	99
74) m,p-xylene	13.902	106	774963	85.81	ug/kg	96
75) o-xylene	14.313	106	373801	41.55	ug/kg	95
76) styrene	14.239	104	397900	29.26	ug/kg	98
77) bromoform	14.071	173	145281	52.20	ug/kg	96
78) trans-1,4-dichloro-2-b...	14.468	53	70800	42.62	ug/kg#	73
80) isopropylbenzene	14.677	105	979084	39.99	ug/kg	99
82) bromobenzene	14.973	156	207014	35.84	ug/kg	92
83) 1,1,2,2-tetrachloroethane	14.320	83	270354	44.77	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	282108	46.40	ug/kg	100
85) n-propylbenzene	15.122	91	1026868	36.22	ug/kg	97
86) 2-chlorotoluene	15.243	91	577770	34.69	ug/kg	97
87) 4-chlorotoluene	15.324	91	551919	33.26	ug/kg	97
88) 1,3,5-trimethylbenzene	15.398	105	762763	36.82	ug/kg	97
89) tert-butylbenzene	15.708	91	440352	38.24	ug/kg	97
90) 1,2,4-trimethylbenzene	15.809	105	720640	35.39	ug/kg	99
91) sec-butylbenzene	15.930	105	1044355	37.27	ug/kg	97
92) 1,3-dichlorobenzene	16.038	146	350887	28.91	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58812.D
Acq On : 28 Aug 2013 6:37 pm
Operator : krystend
Sample : mc23735-5ms
Misc : MS29769,MSM2028,4.887,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 29 08:27:30 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

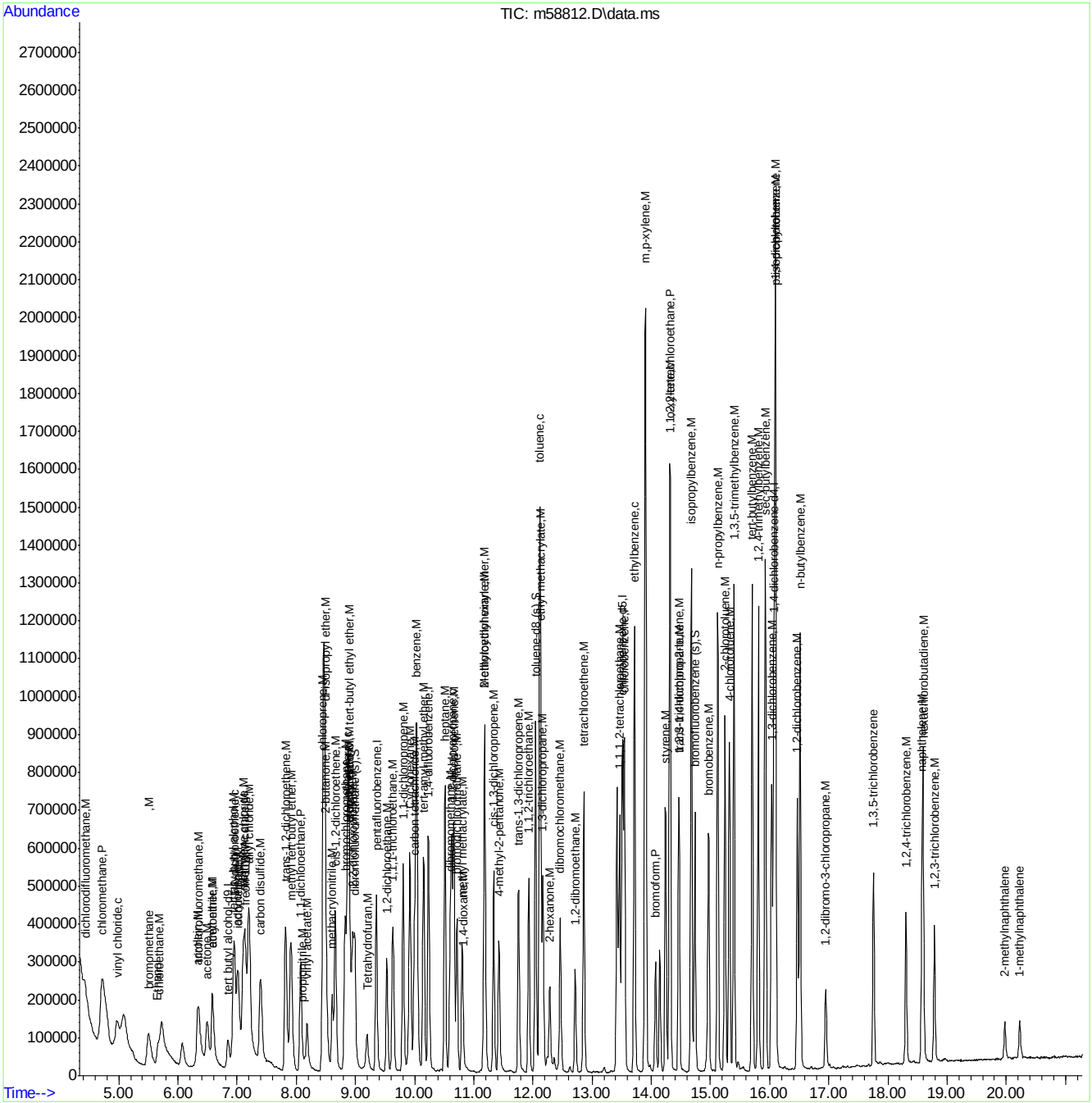
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.098	119	866308	38.63	ug/kg	100
94) 1,4-dichlorobenzene	16.105	146	387650	30.26	ug/kg	98
95) 1,2-dichlorobenzene	16.469	146	331331	28.08	ug/kg	99
96) n-butylbenzene	16.516	91	707599	32.34	ug/kg	99
97) 1,2-dibromo-3-chloropr...	16.947	75	51581	48.67	ug/kg	95
98) 1,3,5-trichlorobenzene	17.756	180	167245	21.66	ug/kg	100
99) 1,2,4-trichlorobenzene	18.308	180	140286	19.51	ug/kg	98
100) hexachlorobutadiene	18.598	225	112992	29.98	ug/kg	100
101) naphthalene	18.577	128	458541	23.75	ug/kg	100
102) 1,2,3-trichlorobenzene	18.793	180	127196	18.38	ug/kg	97
103) 2-methylnaphthalene	19.979	142	63956	6.42	ug/kg	96
104) 1-methylnaphthalene	20.228	TIC	274708	6.93	ug/kg	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58812.D
Acq On : 28 Aug 2013 6:37 pm
Operator : krystend
Sample : mc23735-5ms
Misc : MS29769,MSM2028,4.887,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 29 08:27:30 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/29/13 09:36

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58813.D
Acq On : 28 Aug 2013 7:07 pm
Operator : krystend
Sample : mc23735-5msd
Misc : MS29769,MSM2028,4.923,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 29 08:28:25 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	263313	500.00	ug/kg	-0.01
4) pentafluorobenzene	9.349	168	376899	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	637872	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	280393	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	303934	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	200046	41.46	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 82.92%			
59) toluene-d8 (s)	12.043	98	707601	42.04	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.08%			
81) bromofluorobenzene (s)	14.738	95	257967	43.70	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.40%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	391523	554.07	ug/kg	93
3) Ethanol	5.650	45	215076	3109.87	ug/kg	99
5) dichlorodifluoromethane	4.424	85	204531	38.48	ug/kg	99
6) chloromethane	4.707	50	359631m	43.58	ug/kg	
7) vinyl chloride	4.963	62	263693	27.44	ug/kg	100
8) bromomethane ...	5.495	96	158468	36.03	ug/kg	99
9) chloroethane	5.677	64	119416	38.66	ug/kg	94
10) ethyl ether	6.573	59	140259	38.72	ug/kg	96
11) acetonitrile	6.573	41	48210	44.01	ug/kg	84
12) trichlorofluoromethane	6.331	101	266329m	34.41	ug/kg	
13) freon-113	7.139	101	156592	38.98	ug/kg	97
14) acrolein	6.337	56	71292	260.36	ug/kg	96
15) 1,1-dichloroethene	6.944	96	162005	36.71	ug/kg	94
16) acetone	6.472	58	33092	39.77	ug/kg#	1
17) Methyl Acetate	7.132	43	163129	26.82	ug/kg	85
18) methylene chloride	7.105	84	175367m	33.38	ug/kg	
19) methyl tert butyl ether	7.907	73	437590	38.85	ug/kg	99
20) acrylonitrile	7.004	53	81735	44.02	ug/kg	94
21) allyl chloride	7.200	41	291678	33.42	ug/kg	97
22) trans-1,2-dichloroethene	7.813	96	177971	34.95	ug/kg	95
23) iodomethane	7.011	142	323853	38.79	ug/kg	99
24) carbon disulfide	7.395	76	576228	38.87	ug/kg	99
25) propionitrile	8.102	54	28018	45.22	ug/kg	100
26) vinyl acetate	8.183	43	206733	19.54	ug/kg	97
27) chloroprene	8.446	53	267193	34.78	ug/kg	98
28) di-isopropyl ether	8.486	45	621964	33.77	ug/kg	97
29) methacrylonitrile	8.601	41	122153	39.29	ug/kg	99
30) 2-butanone	8.500	72	29084	33.28	ug/kg#	79
31) 1,1-dichloroethane	8.069	63	313961	38.18	ug/kg	98
32) tert-butyl ethyl ether	8.884	59	508969	37.29	ug/kg	99
33) isobutyl alcohol	8.911	43	150182	218.15	ug/kg#	63
34) 2,2-dichloropropane	8.951	77	207986	37.62	ug/kg	98
35) cis-1,2-dichloroethene	8.662	96	193459	33.73	ug/kg	94
36) ethyl acetate	8.911	43	160829	46.29	ug/kg	72

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58813.D
Acq On : 28 Aug 2013 7:07 pm
Operator : krystend
Sample : mc23735-5msd
Misc : MS29769,MSM2028,4.923,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 29 08:28:25 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	105492	41.11	ug/kg	88
38) chloroform	8.864	83	315700	36.99	ug/kg	96
40) Tetrahydrofuran	9.200	42	89638	49.72	ug/kg	96
41) 1,1,1-trichloroethane	9.632	97	270238	38.92	ug/kg	97
43) Cyclohexane	9.921	56	292195	37.13	ug/kg	97
44) carbon tetrachloride	10.002	117	257361	39.48	ug/kg	99
45) 1,1-dichloropropene	9.807	75	227099	34.70	ug/kg	97
46) benzene	10.036	78	710958	34.69	ug/kg	99
47) 1,2-dichloroethane	9.531	62	229140	35.43	ug/kg	98
48) tert-amyl methyl ether	10.150	73	432069	39.08	ug/kg	97
49) heptane	10.514	43	311293	35.85	ug/kg	99
50) trichloroethene	10.655	95	188674	34.77	ug/kg	99
51) 1,2-dichloropropane	10.622	63	179667	33.80	ug/kg	98
52) dibromomethane	10.602	93	120699	41.39	ug/kg	94
53) bromodichloromethane	10.716	83	248837	36.96	ug/kg	98
54) Methylcyclohexane	11.181	83	355717	42.92	ug/kg	96
55) 2-chloroethyl vinyl ether	11.181	63	3684	1.73	ug/kg#	1
56) methyl methacrylate	10.804	69	132315	45.29	ug/kg	92
57) 1,4-dioxane	10.810	88	13576	303.31	ug/kg	89
58) cis-1,3-dichloropropene	11.336	75	268279	33.31	ug/kg	96
60) 4-methyl-2-pentanone	11.423	43	326505	56.44	ug/kg	99
61) toluene	12.117	92	468044	37.13	ug/kg	99
62) trans-1,3-dichloropropene	11.754	75	239337	35.93	ug/kg	92
63) 1,1,2-trichloroethane	11.929	83	144791	40.52	ug/kg	97
64) ethyl methacrylate	12.124	69	254891	41.33	ug/kg	97
66) tetrachloroethene	12.858	166	189066	42.23	ug/kg	95
67) 1,3-dichloropropane	12.164	76	255462	39.17	ug/kg	100
68) dibromochloromethane	12.461	129	222983	45.15	ug/kg	100
69) 1,2-dibromoethane	12.717	107	176687	42.14	ug/kg	98
70) 2-hexanone	12.286	43	240607	46.57	ug/kg	95
71) chlorobenzene	13.545	112	484342	35.11	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.465	131	202945	42.35	ug/kg	97
73) ethylbenzene	13.714	91	818417	36.67	ug/kg	98
74) m,p-xylene	13.902	106	687894	73.38	ug/kg	96
75) o-xylene	14.313	106	335661	35.95	ug/kg	94
76) styrene	14.239	104	418571	29.65	ug/kg	100
77) bromoform	14.071	173	161743	55.99	ug/kg	97
78) trans-1,4-dichloro-2-b...	14.462	53	79853	46.31	ug/kg#	81
80) isopropylbenzene	14.677	105	884983	34.40	ug/kg	98
82) bromobenzene	14.967	156	209224	34.47	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.320	83	321663	50.69	ug/kg	98
84) 1,2,3-trichloropropane	14.468	75	319284	49.97	ug/kg	98
85) n-propylbenzene	15.122	91	948522	31.83	ug/kg	97
86) 2-chlorotoluene	15.243	91	558253	31.89	ug/kg	99
87) 4-chlorotoluene	15.317	91	545254	31.27	ug/kg	95
88) 1,3,5-trimethylbenzene	15.398	105	725223	33.31	ug/kg	97
89) tert-butylbenzene	15.708	91	422196	34.89	ug/kg	97
90) 1,2,4-trimethylbenzene	15.809	105	701843	32.80	ug/kg	99
91) sec-butylbenzene	15.930	105	1005605	34.15	ug/kg	99
92) 1,3-dichlorobenzene	16.038	146	382523	29.99	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58813.D
Acq On : 28 Aug 2013 7:07 pm
Operator : krystend
Sample : mc23735-5msd
Misc : MS29769,MSM2028,4.923,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 29 08:28:25 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

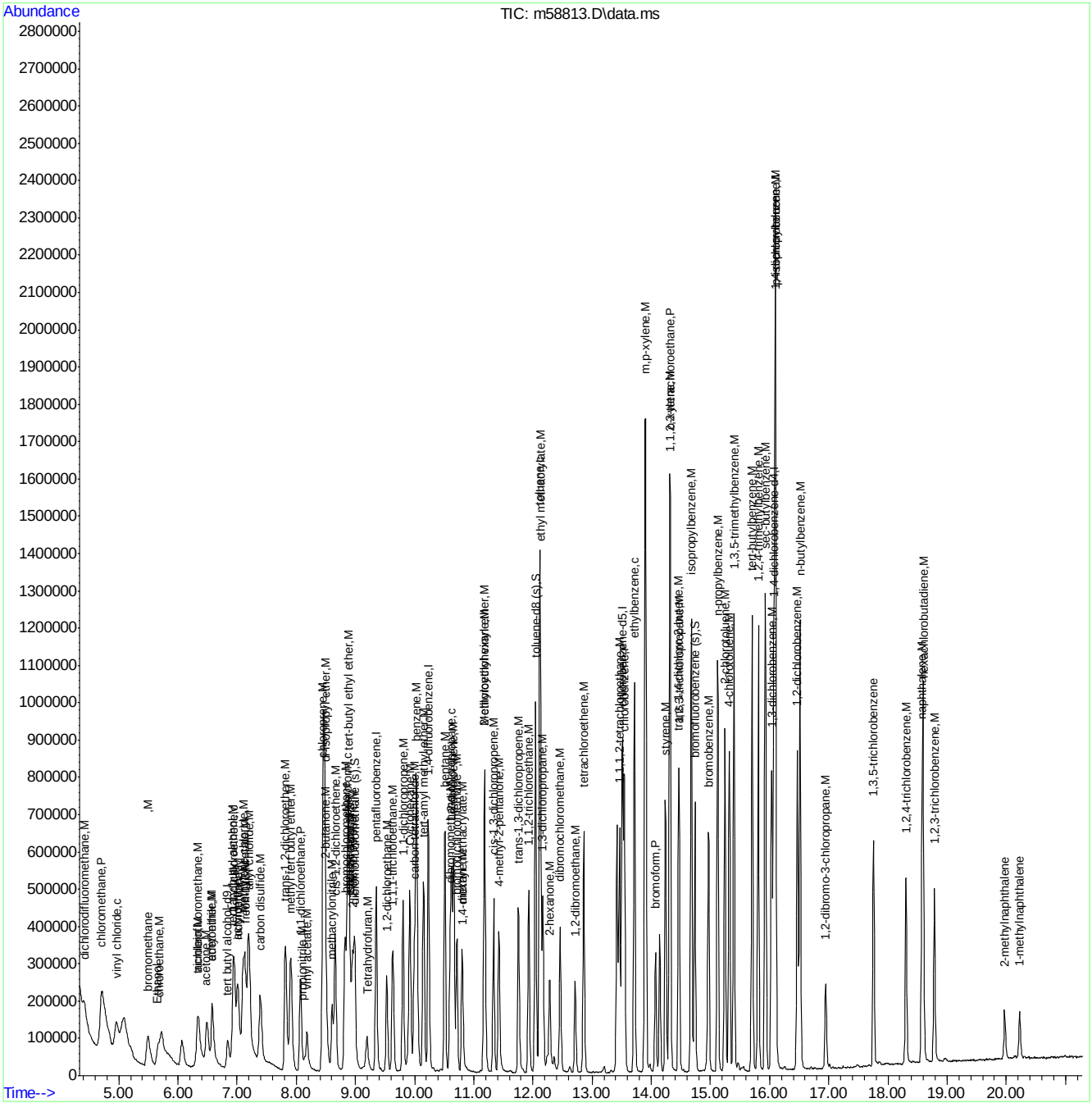
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.098	119	848178	36.00	ug/kg	99
94)	1,4-dichlorobenzene	16.105	146	424782	31.55	ug/kg	97
95)	1,2-dichlorobenzene	16.469	146	392031	31.62	ug/kg	98
96)	n-butylbenzene	16.516	91	731919	31.84	ug/kg	99
97)	1,2-dibromo-3-chloropr...	16.947	75	57273	51.75	ug/kg	95
98)	1,3,5-trichlorobenzene	17.756	180	203847	25.12	ug/kg	99
99)	1,2,4-trichlorobenzene	18.308	180	177623	23.51	ug/kg	99
100)	hexachlorobutadiene	18.598	225	143621	36.27	ug/kg	97
101)	naphthalene	18.577	128	548881	27.06	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	162421	22.34	ug/kg	92
103)	2-methylnaphthalene	19.979	142	84396	8.07	ug/kg	98
104)	1-methylnaphthalene	20.228	TIC	293230	7.08	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58813.D
Acq On : 28 Aug 2013 7:07 pm
Operator : krystend
Sample : mc23735-5msd
Misc : MS29769,MSM2028,4.923,,,5,1
ALS Vial : 24 Sample Multiplier: 1

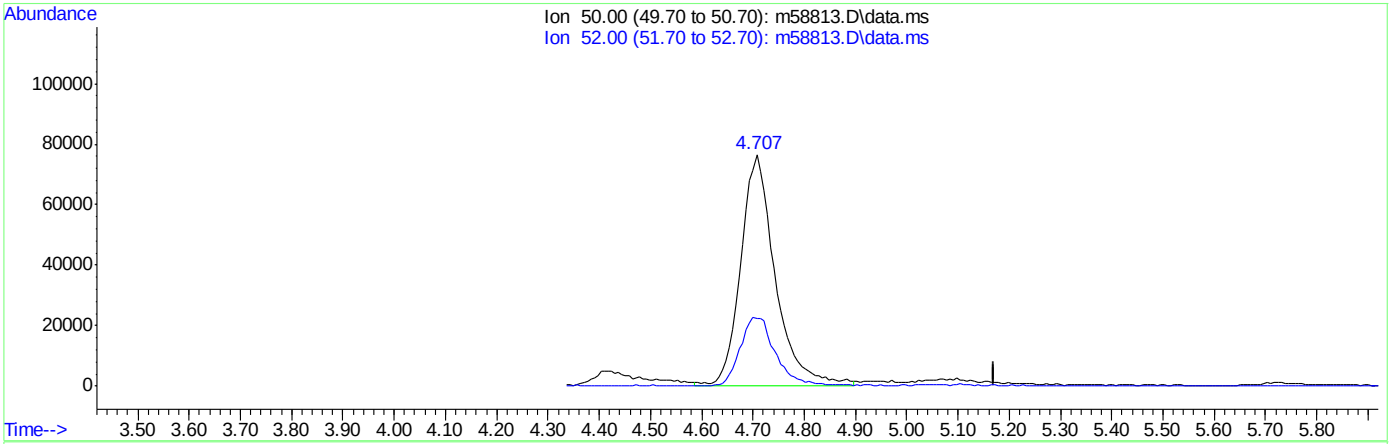
Quant Time: Aug 29 08:28:25 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

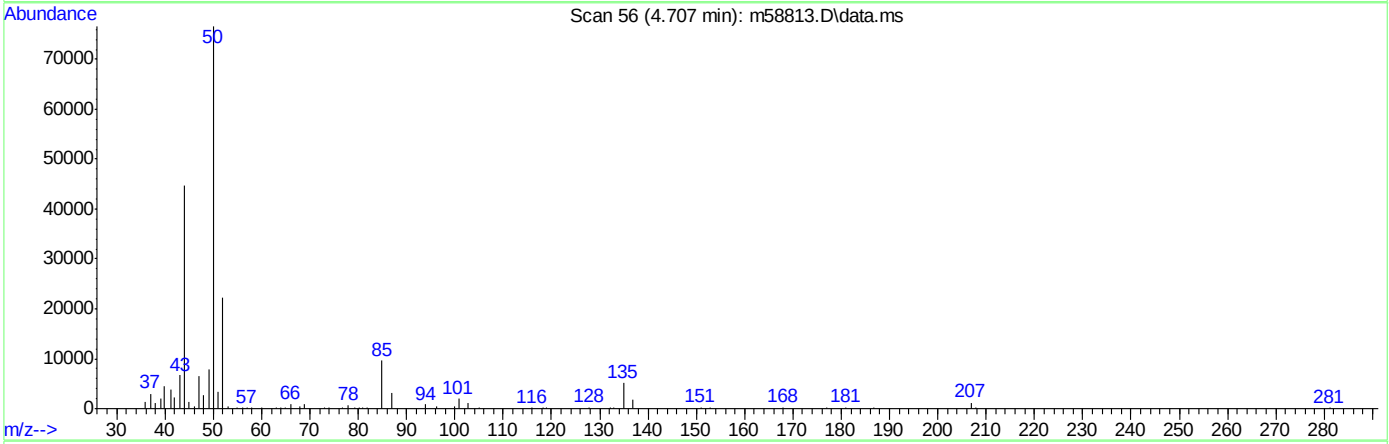


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58813.D
Acq On : 28 Aug 2013 7:07 pm
Operator : krystend
Sample : mc23735-5msd
Misc : MS29769,MSM2028,4.923,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 29 08:27:55 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m58813.D\data.ms

(6) chloromethane (P)

4.707min (+0.007) 43.58ug/kg m

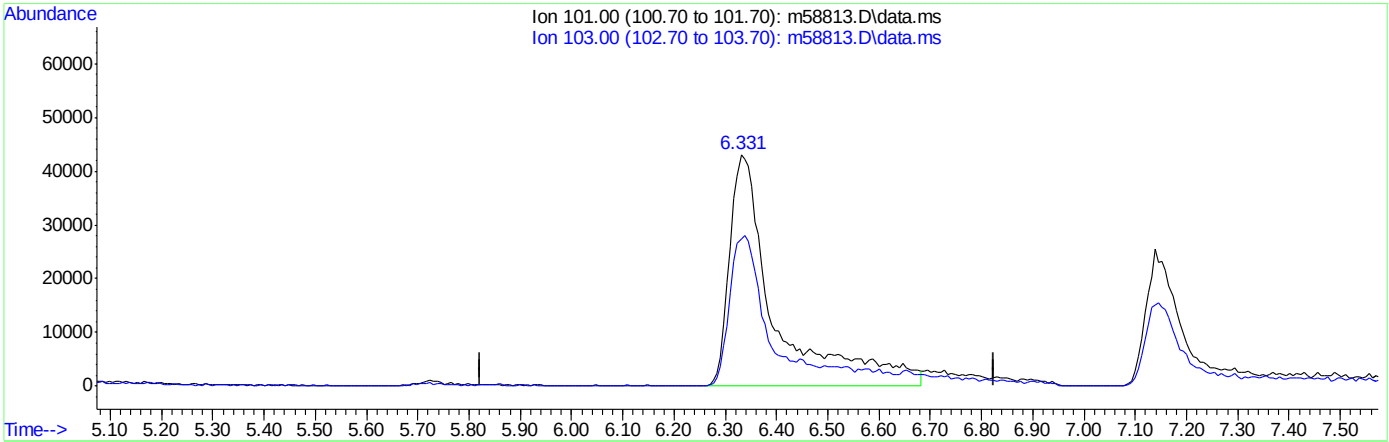
response 359631

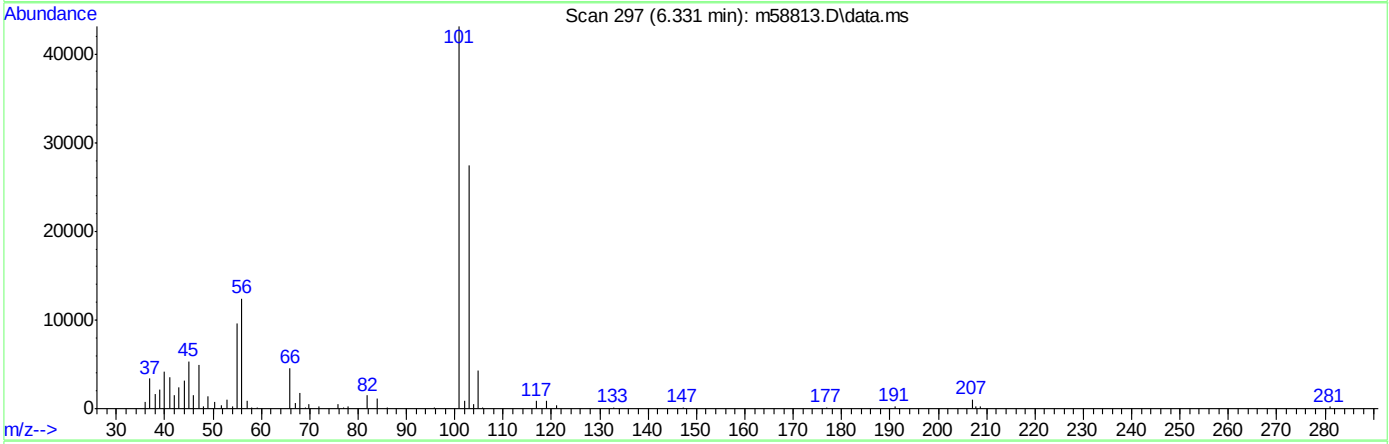
Ion	Exp%	Act%
50.00	100	100
52.00	30.50	29.16
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58813.D
Acq On : 28 Aug 2013 7:07 pm
Operator : krystend
Sample : mc23735-5msd
Misc : MS29769,MSM2028,4.923,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 29 08:27:55 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m58813.D\data.ms

(12) trichlorofluoromethane (M)

6.331min (-0.013) 34.41ug/kg m

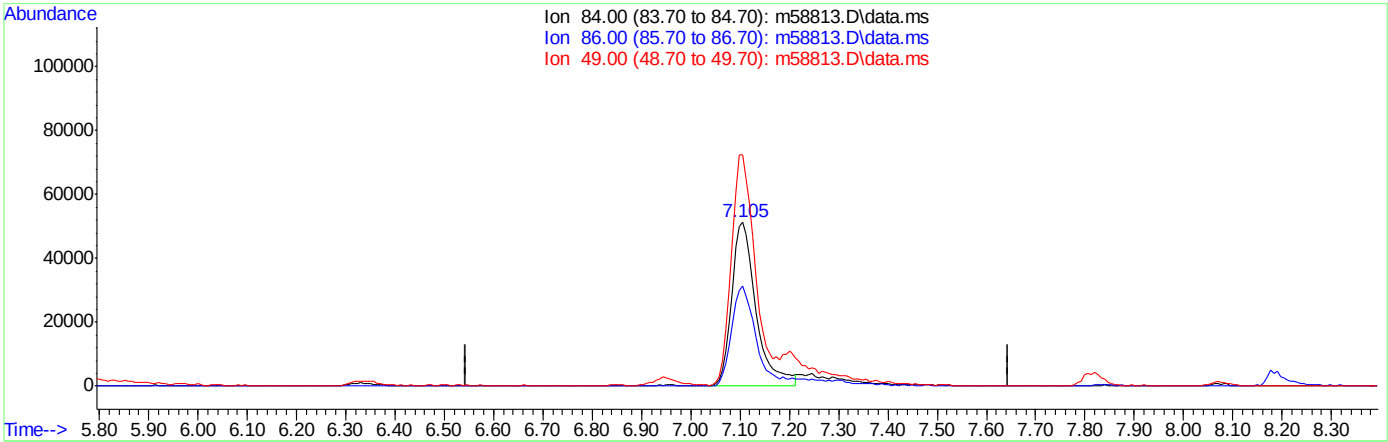
response 266329

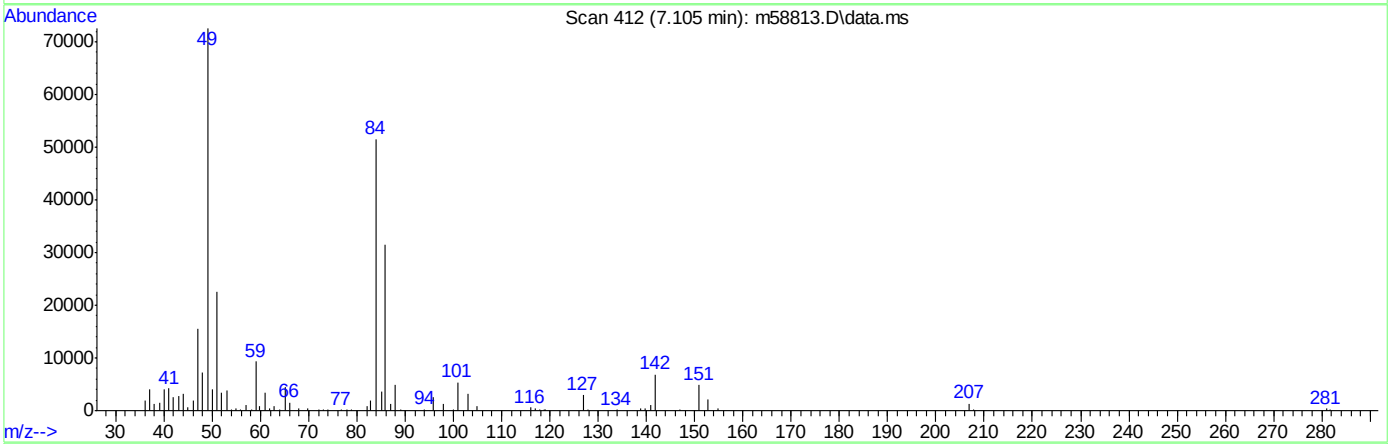
Ion	Exp%	Act%
101.00	100	100
103.00	62.50	63.53
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58813.D
Acq On : 28 Aug 2013 7:07 pm
Operator : krystend
Sample : mc23735-5msd
Misc : MS29769,MSM2028,4.923,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 29 08:27:55 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m58813.D\data.ms

(18) methylene chloride (M)

7.105min (+0.000) 33.38ug/kg m

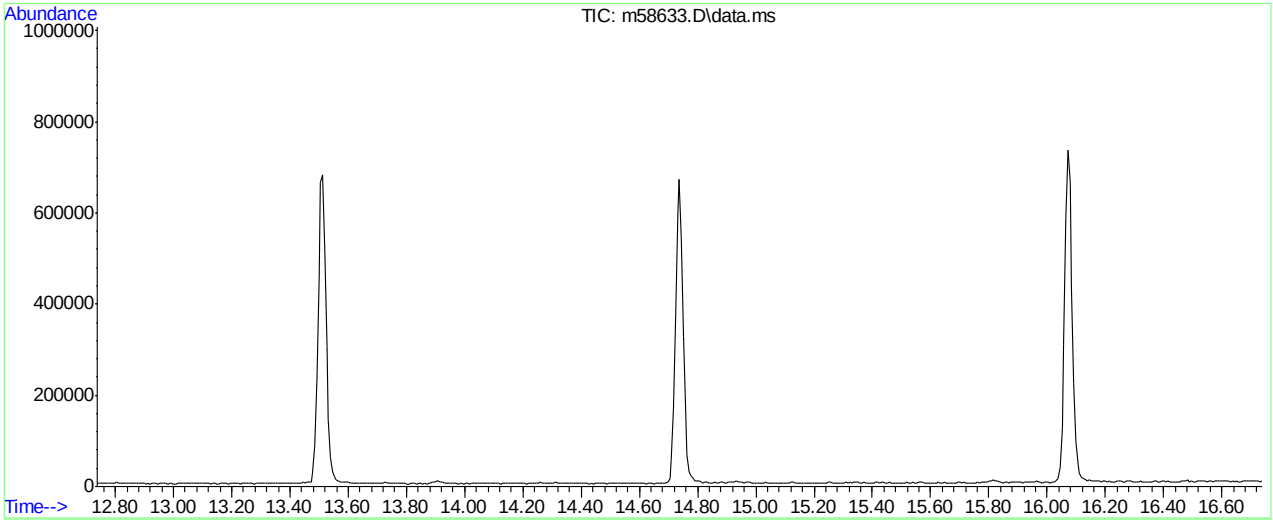
response 175367

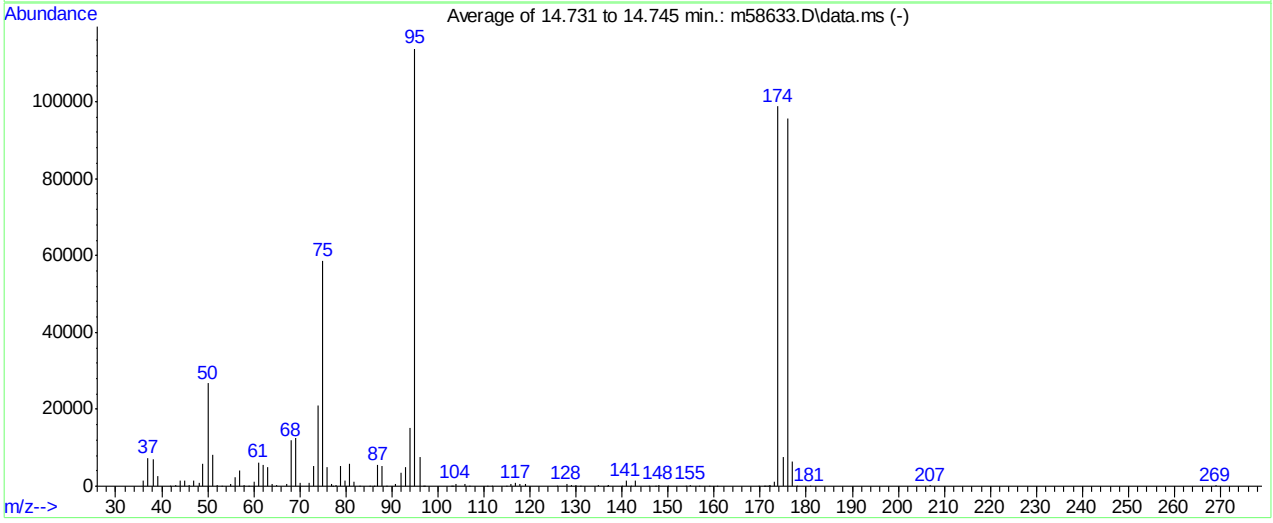
Ion	Exp%	Act%
84.00	100	100
86.00	67.20	61.08
49.00	155.70	140.73
0.00	0.00	0.00

BFB

Data File : C:\msdchem\1\data\M130821.S\m58633.D Vial: 9
Acq On : 21 Aug 2013 12:54 pm Operator: krystend
Sample : bfb Inst : GCMS M
Misc : MS29707,MSM2022,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Average of 14.731 to 14.745 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.5	26707	PASS
75	95	30	60	51.4	58531	PASS
95	95	100	100	100.0	113843	PASS
96	95	5	9	6.7	7658	PASS
173	174	0.00	2	1.1	1127	PASS
174	95	50	150	86.7	98749	PASS
175	174	5	9	7.6	7472	PASS
176	174	95	101	96.7	95533	PASS
177	176	5	9	6.6	6321	PASS

m58633.D M130821S.M Thu Aug 22 09:41:59 2013

Average of 14.731 to 14.745 min.: m58633.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1525	49.00	5971	61.00	6136	74.00	21045
37.00	7395	50.00	26707	62.00	5630	75.00	58531
38.05	6945	51.00	8047	63.00	4877	76.00	5081
39.05	2577	52.05	360	64.05	642	76.85	629
41.90	67	53.00	53	65.05	250	77.20	152
43.10	178	54.90	480	67.05	509	77.95	257
44.00	1515	56.00	2310	68.00	11929	78.90	5317
45.00	1359	57.00	4195	69.00	12403	79.85	1337
46.05	186	58.00	293	69.95	888	80.90	5713
47.00	1543	58.80	68	72.00	751	81.85	1138
48.05	896	60.00	1227	73.00	5363	82.95	120

Average of 14.731 to 14.745 min.: m58633.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.20	66	96.80	88	116.85	744	139.90	52
86.10	69	97.00	123	117.85	545	140.90	1413
86.90	5503	102.90	62	118.90	651	141.85	126
87.90	5181	103.10	57	125.80	51	142.85	1361
88.80	64	103.90	672	127.90	559	145.90	126
90.85	624	105.90	666	128.90	291	147.30	81
91.95	3514	106.90	134	129.85	406	147.90	305
93.00	4836	110.80	60	130.90	54	149.85	147
94.00	15037	111.80	52	134.90	335	153.80	59
95.00	113843	114.90	53	136.70	58	154.85	297
96.00	7658	115.95	523	136.95	239	156.80	154

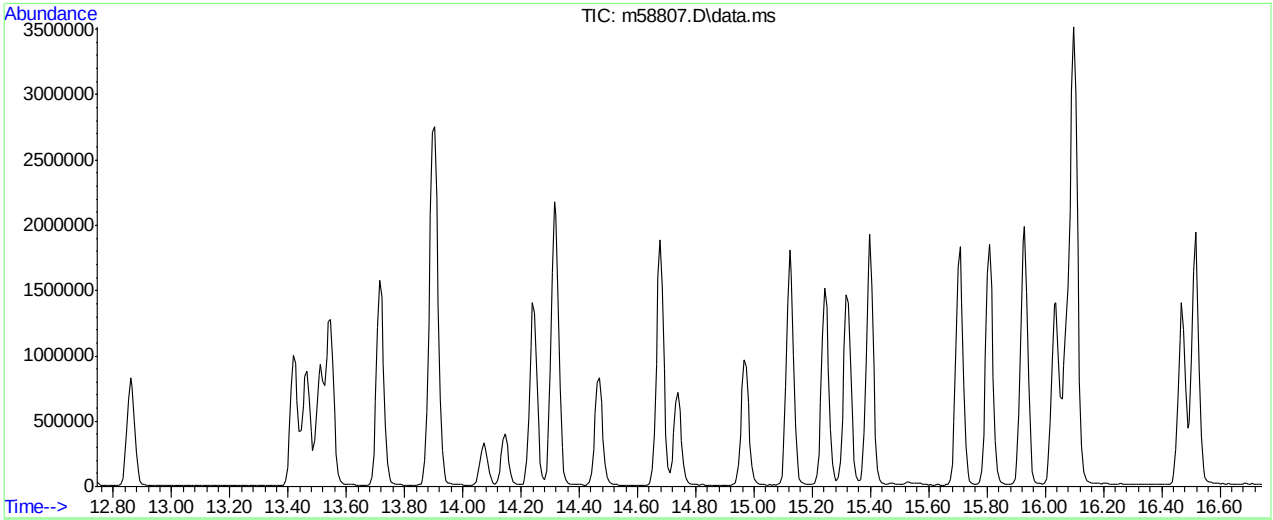
Average of 14.731 to 14.745 min.: m58633.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
159.00	51	175.90	95533				
160.75	123	176.90	6321				
169.70	51	177.95	115				
170.80	64	180.80	57				
171.10	73	207.00	161				
171.70	144	269.00	190				
172.00	167						
172.20	127						
173.00	1127						
173.90	98749						
174.90	7472						

BFB

Data File : C:\msdchem\1\data\M130828.S\m58807.D Vial: 18
Acq On : 28 Aug 2013 4:11 pm Operator: krystend
Sample : bfb Inst : GCMS M
Misc : MS29769,MSM2028,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 1546

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	20683	PASS
75	95	30	60	45.3	50474	PASS
95	95	100	100	100.0	111534	PASS
96	95	5	9	7.2	8026	PASS
173	174	0.00	2	0.9	999	PASS
174	95	50	150	96.2	107306	PASS
175	174	5	9	6.9	7364	PASS
176	174	95	101	96.3	103317	PASS
177	176	5	9	6.1	6331	PASS

m58807.D M130821S.M Wed Aug 28 16:38:01 2013

Scan 1546 (14.744 min): m58807.D\data.ms (-1555)
cc2022-50
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1058	48.00	858	62.00	4985	76.00	4508
37.00	5990	49.00	4574	63.00	4193	77.00	733
38.00	5612	49.95	20683	64.00	295	78.00	802
39.00	2342	51.00	6016	67.20	279	78.90	4196
40.00	436	52.10	351	68.00	9883	79.90	1213
42.00	153	54.80	268	69.00	10176	80.90	4330
42.80	159	55.20	252	70.10	1000	81.80	688
44.05	306	56.00	1725	72.00	515	82.90	167
45.00	1076	57.00	2642	73.00	4651	85.70	172
46.30	221	60.00	856	74.00	17464	86.90	4724
47.00	1243	61.00	5102	74.95	50474	87.80	4544

Scan 1546 (14.744 min): m58807.D\data.ms (-1555)
cc2022-50
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.90	161	105.90	563	128.80	198	147.80	322
90.90	794	107.10	206	129.90	387	148.90	166
91.90	3062	110.70	207	130.90	247	149.80	248
92.90	4548	114.80	233	132.80	169	155.00	328
94.00	13508	115.80	414	134.80	304	156.80	189
95.00	111534	116.90	826	137.00	180	160.80	174
95.95	8026	117.90	480	140.90	1610	173.00	999
97.05	315	118.80	626	141.70	153	173.85	107306
103.05	153	119.95	152	142.90	1197	174.90	7364
103.90	769	123.70	169	143.90	209	175.90	103317
104.90	743	127.90	441	145.80	189	176.90	6331

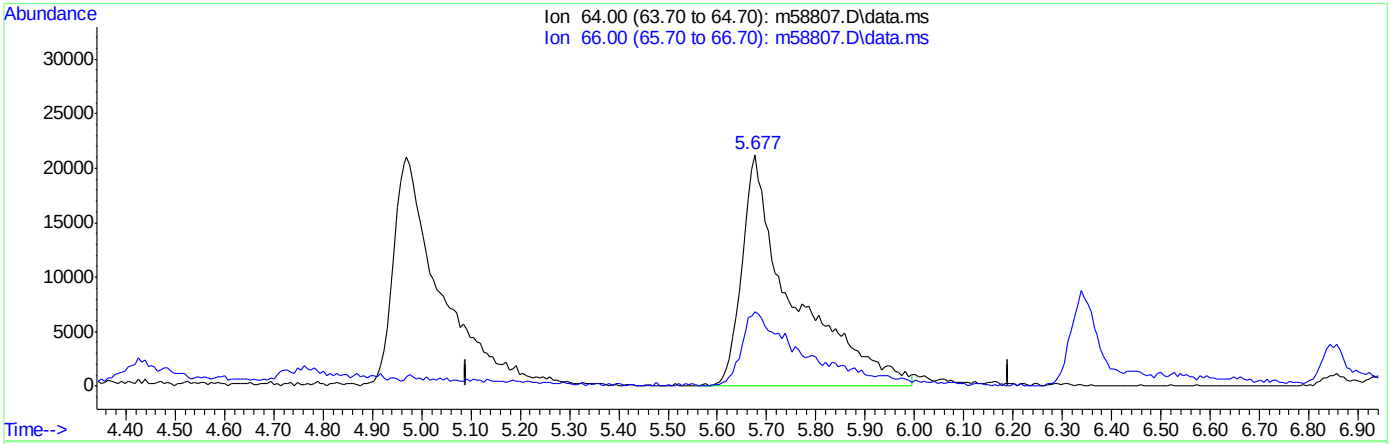
Scan 1546 (14.744 min): m58807.D\data.ms (-1555)
cc2022-50
Modified:subtracted

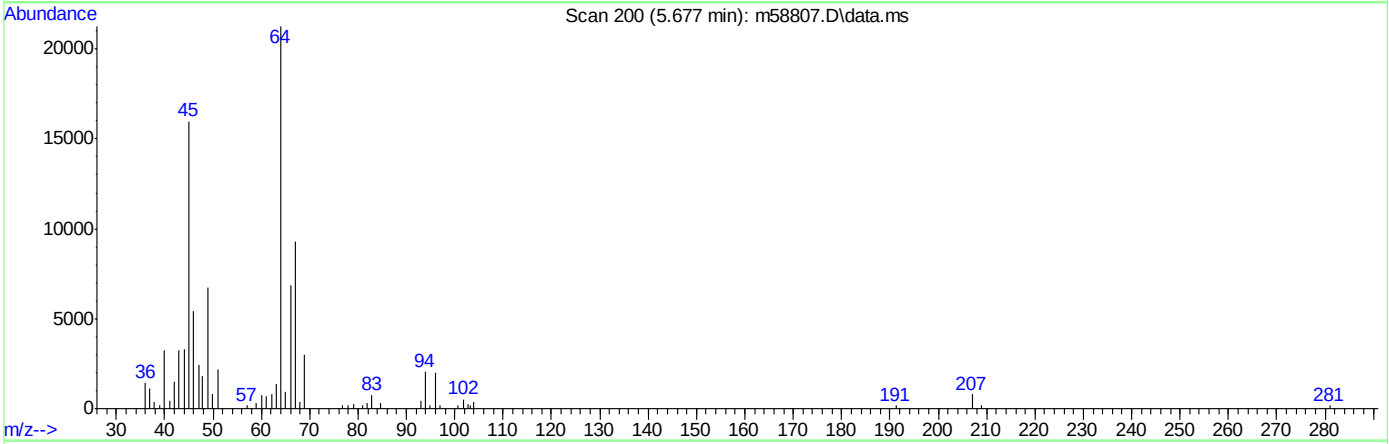
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
177.80	236						
190.85	35						
208.00	30						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58807.D
Acq On : 28 Aug 2013 4:11 pm
Operator : krystend
Sample : cc2022-50
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 16:36:33 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m58807.D\data.ms

(9) chloroethane (M)

5.677min (+0.006) 49.59ug/kg m

response 153592

Ion	Exp%	Act%
64.00	100	100
66.00	31.60	32.18
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC23735

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58636.D
Acq On : 21 Aug 2013 2:37 pm
Operator : krystend
Sample : IC2022-0.5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 08:23:35 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:22:00 2013
Response via : Initial Calibration

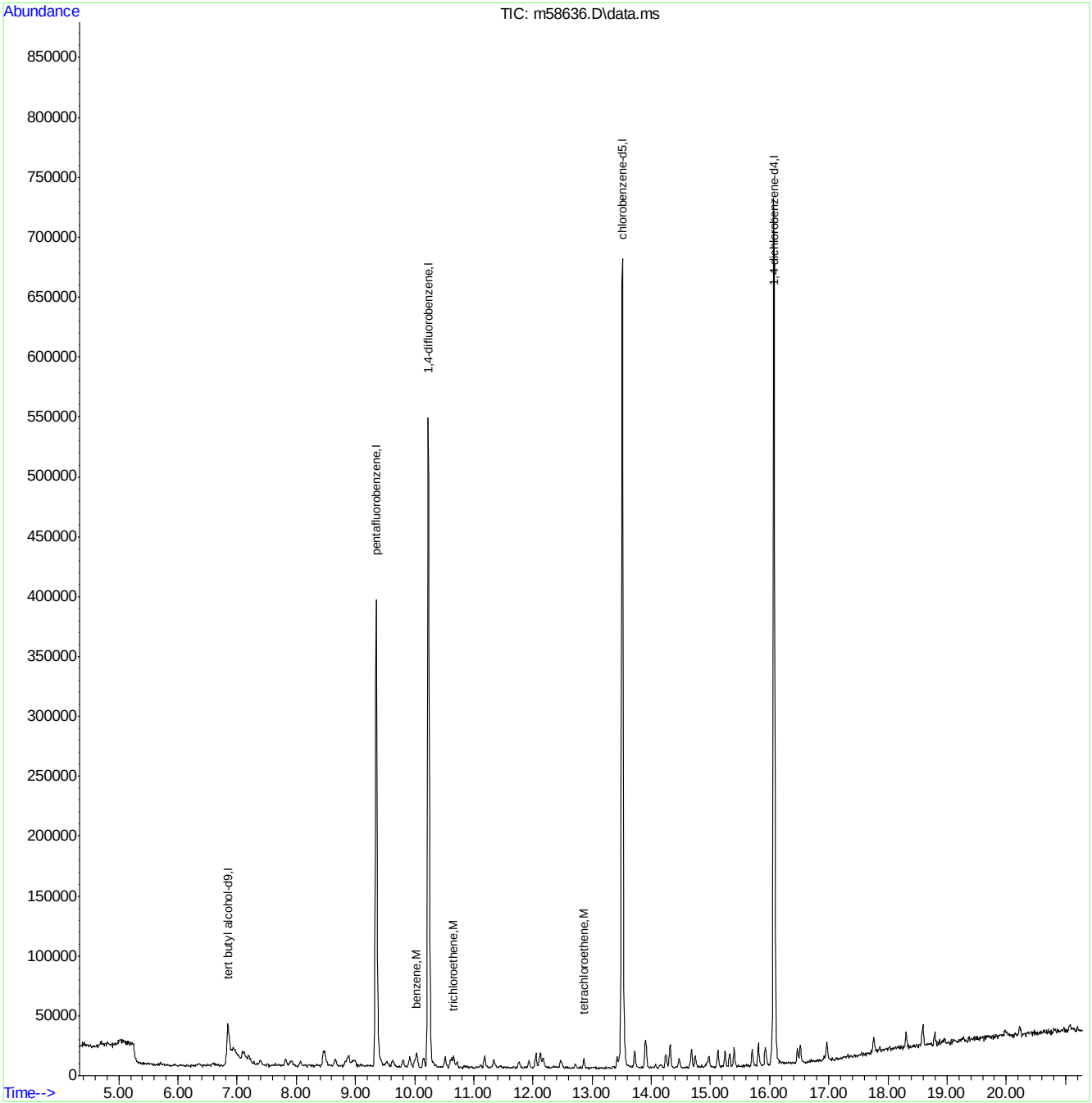
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	125230	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	290511	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	487688	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	208561	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	204058	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	0.000	113	0d	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
59) toluene-d8 (s)	0.000	98	0d	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
81) bromofluorobenzene (s)	0.000	95	0d	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
46) benzene	10.036	78	10302	0.65	ug/kg	90
50) trichloroethene	10.655	95	2530	0.60	ug/kg	88
66) tetrachloroethene	12.858	166	2213	0.63	ug/kg	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58636.D
Acq On : 21 Aug 2013 2:37 pm
Operator : krystend
Sample : IC2022-0.5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 08:23:35 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:22:00 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23735

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58637.D
Acq On : 21 Aug 2013 3:07 pm
Operator : krystend
Sample : IC2022-2
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 22 08:25:58 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:23:52 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.850	65	128874	500.00	ug/kg	0.00
4) pentafluorobenzene		9.355	168	301077	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	500343	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	210938	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	210898	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	7945	1.92	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	3.84%#		
59) toluene-d8 (s)		12.043	98	26163	1.85	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	3.70%#		
81) bromofluorobenzene (s)		14.738	95	8168	1.78	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	3.56%#		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.937	59	7658	19.65	ug/kg	70
3) Ethanol		5.651	45	3096	79.72	ug/kg#	39
5) dichlorodifluoromethane		4.445	85	9161	1.90	ug/kg	99
6) chloromethane		4.701	50	14972	2.11	ug/kg	87
7) vinyl chloride		4.984	62	16403	2.07	ug/kg	80
8) bromomethane	...	5.516	96	7998	2.35	ug/kg#	70
9) chloroethane		5.677	64	4226	1.61	ug/kg#	43
10) ethyl ether		6.607	59	5279	1.67	ug/kg	79
11) acetonitrile		6.614	41	2632	2.74	ug/kg#	38
12) trichlorofluoromethane		6.351	101	10186	1.49	ug/kg	92
13) freon-113		7.146	101	5465	1.48	ug/kg	97
15) 1,1-dichloroethene		6.951	96	6795	1.84	ug/kg#	82
17) Methyl Acetate		7.200	43	10617	1.85	ug/kg	93
18) methylene chloride		7.112	84	9404	2.28	ug/kg	92
19) methyl tert butyl ether		7.907	73	16694	1.65	ug/kg	91
21) allyl chloride		7.200	41	13894	1.93	ug/kg	94
22) trans-1,2-dichloroethene		7.826	96	8164	1.92	ug/kg	93
23) iodomethane		7.011	142	11710	1.63	ug/kg	92
24) carbon disulfide		7.388	76	22074	1.71	ug/kg	95
26) vinyl acetate		8.237	43	12058	1.21	ug/kg	81
27) chloroprene		8.446	53	11081	1.68	ug/kg	96
28) di-isopropyl ether		8.487	45	27298	1.71	ug/kg	83
29) methacrylonitrile		8.641	41	6176	2.25	ug/kg	76
31) 1,1-dichloroethane		8.082	63	12083	1.72	ug/kg	95
32) tert-butyl ethyl ether		8.884	59	18156	1.48	ug/kg	99
33) isobutyl alcohol		8.891	43	5165	9.07	ug/kg	77
34) 2,2-dichloropropane		8.951	77	8562	1.78	ug/kg	93
35) cis-1,2-dichloroethene		8.655	96	8346	1.75	ug/kg	94
36) ethyl acetate		8.891	43	5165	1.80	ug/kg	95
37) bromochloromethane		8.830	128	3731	1.72	ug/kg	86
38) chloroform		8.870	83	12568	1.72	ug/kg	95
40) Tetrahydrofuran		9.214	42	3904	2.63	ug/kg	73
41) 1,1,1-trichloroethane		9.638	97	10564	1.78	ug/kg	85
43) Cyclohexane		9.915	56	12233	1.82	ug/kg	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58637.D
Acq On : 21 Aug 2013 3:07 pm
Operator : krystend
Sample : IC2022-2
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 22 08:25:58 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:23:52 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	carbon tetrachloride	10.002	117	9279	1.75	ug/kg	98
45)	1,1-dichloropropene	9.814	75	9451	1.76	ug/kg	95
46)	benzene	10.036	78	28407	1.52	ug/kg	97
47)	1,2-dichloroethane	9.531	62	9457	1.68	ug/kg	99
48)	tert-amyl methyl ether	10.150	73	16924	1.77	ug/kg	92
49)	heptane	10.507	43	13200	1.78	ug/kg	95
50)	trichloroethene	10.669	95	7693	1.61	ug/kg	92
51)	1,2-dichloropropane	10.622	63	7565	1.70	ug/kg	93
52)	dibromomethane	10.602	93	4167	1.68	ug/kg	93
53)	bromodichloromethane	10.716	83	9180	1.59	ug/kg	84
54)	Methylcyclohexane	11.181	83	10913	1.52	ug/kg	85
55)	2-chloroethyl vinyl ether	11.100	63	2813	1.55	ug/kg#	47
56)	methyl methacrylate	10.824	69	3415	1.28	ug/kg#	78
58)	cis-1,3-dichloropropene	11.336	75	11165	1.64	ug/kg	90
60)	4-methyl-2-pentanone	11.437	43	8940	1.79	ug/kg#	82
61)	toluene	12.117	92	16606	1.61	ug/kg	96
62)	trans-1,3-dichloropropene	11.760	75	8720	1.54	ug/kg	92
63)	1,1,2-trichloroethane	11.929	83	5049	1.64	ug/kg	96
64)	ethyl methacrylate	12.138	69	7316	1.39	ug/kg	93
66)	tetrachloroethene	12.865	166	6304	1.57	ug/kg	92
67)	1,3-dichloropropane	12.171	76	9782	1.78	ug/kg	96
68)	dibromochloromethane	12.461	129	6880	1.62	ug/kg	91
69)	1,2-dibromoethane	12.717	107	6135	1.69	ug/kg	86
70)	2-hexanone	12.326	43	7816	1.81	ug/kg#	62
71)	chlorobenzene	13.546	112	19725	1.72	ug/kg	94
72)	1,1,1,2-tetrachloroethane	13.458	131	7194	1.82	ug/kg	90
73)	ethylbenzene	13.721	91	31475	1.68	ug/kg	96
74)	m,p-xylene	13.903	106	25645	3.30	ug/kg	90
75)	o-xylene	14.320	106	12426	1.61	ug/kg	83
76)	styrene	14.246	104	19320	1.66	ug/kg	87
77)	bromoform	14.071	173	3867	1.57	ug/kg	93
78)	trans-1,4-dichloro-2-b...	14.468	53	2739	1.79	ug/kg	89
80)	isopropylbenzene	14.677	105	32307	1.59	ug/kg	96
82)	bromobenzene	14.974	156	7465	1.60	ug/kg	95
83)	1,1,2,2-tetrachloroethane	14.320	83	8162	1.58	ug/kg	95
84)	1,2,3-trichloropropane	14.468	75	8063	1.52	ug/kg	97
85)	n-propylbenzene	15.129	91	37853	1.60	ug/kg	99
86)	2-chlorotoluene	15.243	91	22301	1.62	ug/kg	94
87)	4-chlorotoluene	15.324	91	22339	1.64	ug/kg	95
88)	1,3,5-trimethylbenzene	15.398	105	25624	1.46	ug/kg	91
89)	tert-butylbenzene	15.701	91	14863	1.55	ug/kg	88
90)	1,2,4-trimethylbenzene	15.809	105	25020	1.47	ug/kg	98
91)	sec-butylbenzene	15.923	105	34429	1.44	ug/kg	98
92)	1,3-dichlorobenzene	16.038	146	15816	1.63	ug/kg	97
93)	p-isopropyltoluene	16.099	119	27209	1.40	ug/kg	94
94)	1,4-dichlorobenzene	16.099	146	15890	1.48	ug/kg	93
95)	1,2-dichlorobenzene	16.469	146	14756	1.56	ug/kg	86
96)	n-butylbenzene	16.516	91	27362	1.44	ug/kg	98
97)	1,2-dibromo-3-chloropr...	16.954	75	1923m	2.10	ug/kg	
98)	1,3,5-trichlorobenzene	17.762	180	9882	1.55	ug/kg	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58637.D
Acq On : 21 Aug 2013 3:07 pm
Operator : krystend
Sample : IC2022-2
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 22 08:25:58 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:23:52 2013
Response via : Initial Calibration

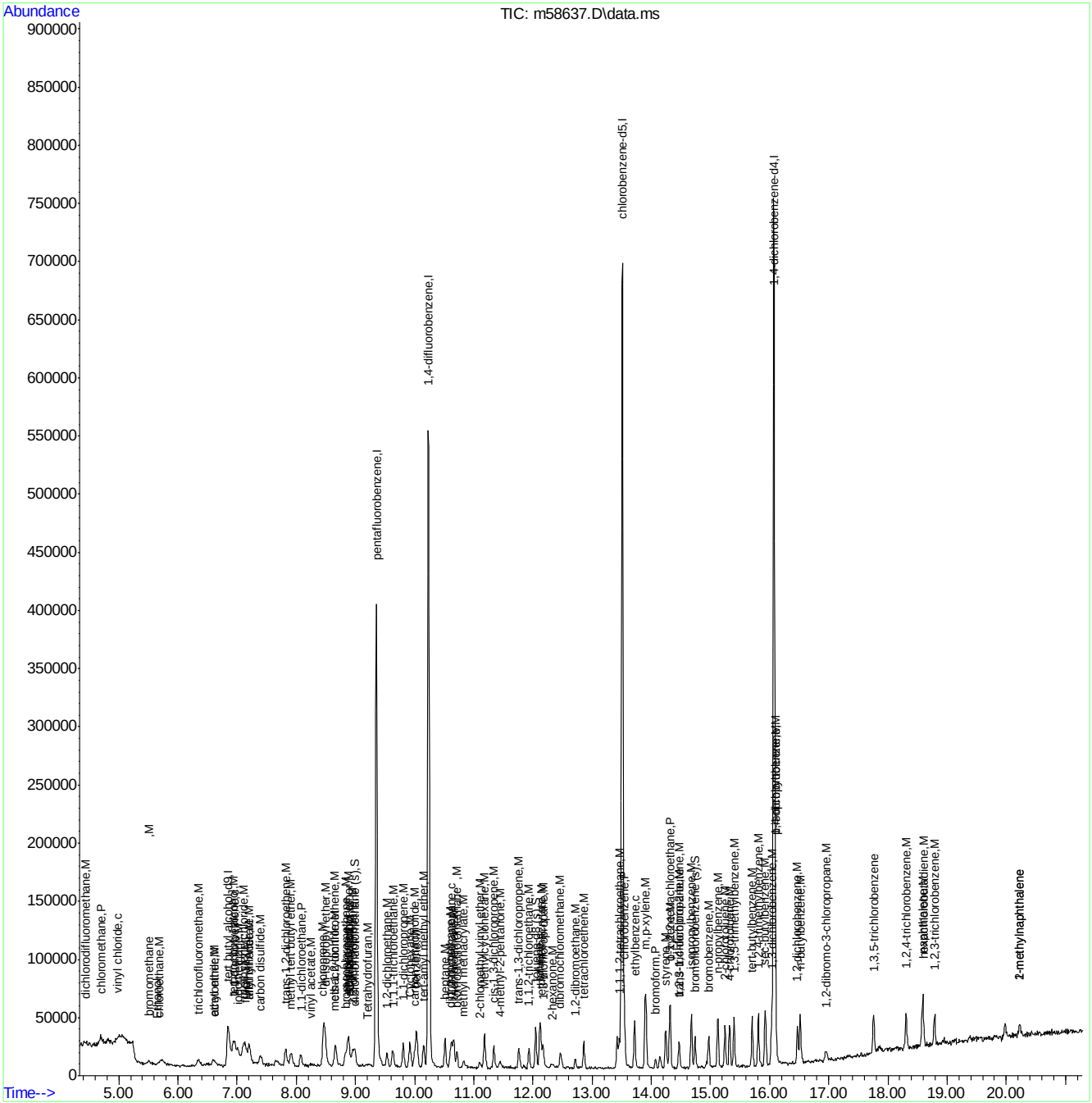
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99)	1,2,4-trichlorobenzene	18.308	180	9672	1.62	ug/kg	95
100)	hexachlorobutadiene	18.598	225	5037	1.64	ug/kg	79
101)	naphthalene	18.584	128	23533	1.48	ug/kg	100
102)	1,2,3-trichlorobenzene	18.793	180	9284	1.63	ug/kg	89
103)	2-methylnaphthalene	20.228	142	6495	0.77	ug/kg	98
104)	1-methylnaphthalene	20.228	TIC	106621	4.07	ug/kg#	62

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58637.D
Acq On : 21 Aug 2013 3:07 pm
Operator : krystend
Sample : IC2022-2
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 22 08:25:58 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:23:52 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58638.D
Acq On : 21 Aug 2013 3:36 pm
Operator : krystend
Sample : IC2022-5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 08:27:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:26:07 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	141836	500.00	ug/kg	0.00
4) pentafluorobenzene		9.355	168	299025	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	503895	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	216391	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	209821	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	20213	5.26	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	10.52%#		
59) toluene-d8 (s)		12.043	98	65377	4.99	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	9.98%#		
81) bromofluorobenzene (s)		14.738	95	22664	5.48	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	10.96%#		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.944	59	18874	44.39	ug/kg	78
3) Ethanol		5.650	45	7974	266.78	ug/kg#	84
5) dichlorodifluoromethane		4.424	85	19092	4.08	ug/kg	98
6) chloromethane		4.694	50	32374	4.47	ug/kg	94
7) vinyl chloride		4.984	62	38445	4.80	ug/kg	93
8) bromomethane	...	5.496	96	17517	4.77	ug/kg	90
9) chloroethane		5.691	64	12817	5.44	ug/kg	99
10) ethyl ether		6.587	59	13312	4.62	ug/kg	94
11) acetonitrile		6.594	41	4257	3.77	ug/kg	95
12) trichlorofluoromethane		6.338	101	33848	5.72	ug/kg	95
13) freon-113		7.139	101	15114	4.73	ug/kg	92
14) acrolein		6.412	56	4333	16.20	ug/kg	95
15) 1,1-dichloroethene		6.951	96	16905	4.80	ug/kg	83
16) acetone		6.614	58	2391	2.48	ug/kg#	28
17) Methyl Acetate		7.173	43	18399	3.35	ug/kg	83
18) methylene chloride		7.112	84	21395	4.88	ug/kg	86
19) methyl tert butyl ether		7.914	73	44190	4.82	ug/kg	98
20) acrylonitrile		7.106	53	6802	3.98	ug/kg	99
21) allyl chloride		7.193	41	34964	4.98	ug/kg	92
22) trans-1,2-dichloroethene		7.813	96	21634	5.23	ug/kg	95
23) iodomethane		7.018	142	30401	4.70	ug/kg	99
24) carbon disulfide		7.395	76	52813	4.44	ug/kg	99
25) propionitrile		8.204	54	2168m	3.95	ug/kg	
26) vinyl acetate		8.210	43	31863	4.02	ug/kg	100
27) chloroprene		8.446	53	27723	4.61	ug/kg	93
28) di-isopropyl ether		8.486	45	68698	4.68	ug/kg	92
29) methacrylonitrile		8.621	41	10148	3.50	ug/kg	94
30) 2-butanone		8.662	72	2065m	2.73	ug/kg	
31) 1,1-dichloroethane		8.076	63	32456	4.99	ug/kg	95
32) tert-butyl ethyl ether		8.884	59	51725	4.88	ug/kg	95
33) isobutyl alcohol		8.904	43	15700	29.11	ug/kg#	71
34) 2,2-dichloropropane		8.958	77	21611	4.78	ug/kg	95
35) cis-1,2-dichloroethene		8.662	96	22860	5.14	ug/kg	84
36) ethyl acetate		8.904	43	15700	5.80	ug/kg	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58638.D
Acq On : 21 Aug 2013 3:36 pm
Operator : krystend
Sample : IC2022-5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 08:27:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:26:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	9716	4.85	ug/kg	82
38) chloroform	8.864	83	31175	4.62	ug/kg	99
40) Tetrahydrofuran	9.207	42	8741	5.12	ug/kg	98
41) 1,1,1-trichloroethane	9.632	97	27320	4.90	ug/kg	99
43) Cyclohexane	9.921	56	31188	4.82	ug/kg	88
44) carbon tetrachloride	9.995	117	25263	5.04	ug/kg	92
45) 1,1-dichloropropene	9.807	75	25377	5.00	ug/kg	97
46) benzene	10.036	78	74513	4.30	ug/kg	96
47) 1,2-dichloroethane	9.531	62	25231	4.84	ug/kg	93
48) tert-amyl methyl ether	10.150	73	41674	4.59	ug/kg	99
49) heptane	10.514	43	33348	4.73	ug/kg	98
50) trichloroethene	10.662	95	19371	4.31	ug/kg	95
51) 1,2-dichloropropane	10.629	63	19941	4.81	ug/kg	91
52) dibromomethane	10.602	93	11067	4.81	ug/kg	98
53) bromodichloromethane	10.716	83	25169	4.82	ug/kg	96
54) Methylcyclohexane	11.181	83	30720	4.83	ug/kg	90
55) 2-chloroethyl vinyl ether	11.100	63	7406	4.56	ug/kg#	72
56) methyl methacrylate	10.811	69	10373	4.72	ug/kg	96
57) 1,4-dioxane	10.817	88	379m	9.79	ug/kg	
58) cis-1,3-dichloropropene	11.336	75	29386	4.71	ug/kg	94
60) 4-methyl-2-pentanone	11.430	43	24508	5.14	ug/kg	92
61) toluene	12.117	92	43860	4.68	ug/kg	97
62) trans-1,3-dichloropropene	11.760	75	24756	4.90	ug/kg	97
63) 1,1,2-trichloroethane	11.936	83	13377	4.75	ug/kg	96
64) ethyl methacrylate	12.138	69	19638	4.37	ug/kg	86
66) tetrachloroethene	12.858	166	16373	4.27	ug/kg	96
67) 1,3-dichloropropane	12.171	76	24718	4.63	ug/kg	99
68) dibromochloromethane	12.461	129	19247	4.88	ug/kg	86
69) 1,2-dibromoethane	12.710	107	16845	4.90	ug/kg	98
70) 2-hexanone	12.306	43	22642	5.37	ug/kg	88
71) chlorobenzene	13.546	112	53449	4.89	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.458	131	17912	4.62	ug/kg	99
73) ethylbenzene	13.714	91	84571	4.79	ug/kg	95
74) m,p-xylene	13.903	106	66820	9.19	ug/kg	99
75) o-xylene	14.313	106	32877	4.59	ug/kg	100
76) styrene	14.246	104	50574	4.62	ug/kg	94
77) bromoform	14.078	173	10641	4.72	ug/kg	96
78) trans-1,4-dichloro-2-b...	14.468	53	6653	4.48	ug/kg	95
80) isopropylbenzene	14.677	105	83853	4.63	ug/kg	100
82) bromobenzene	14.974	156	21229	5.08	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.320	83	21468	4.66	ug/kg	95
84) 1,2,3-trichloropropane	14.468	75	22139	4.77	ug/kg	88
85) n-propylbenzene	15.122	91	99988	4.71	ug/kg	97
86) 2-chlorotoluene	15.243	91	59177	4.77	ug/kg	98
87) 4-chlorotoluene	15.324	91	56918	4.62	ug/kg	91
88) 1,3,5-trimethylbenzene	15.398	105	67361	4.47	ug/kg	93
89) tert-butylbenzene	15.708	91	38702	4.57	ug/kg	93
90) 1,2,4-trimethylbenzene	15.809	105	67451	4.58	ug/kg	93
91) sec-butylbenzene	15.930	105	95612	4.68	ug/kg	100
92) 1,3-dichlorobenzene	16.038	146	41704	4.76	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58638.D
Acq On : 21 Aug 2013 3:36 pm
Operator : krystend
Sample : IC2022-5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 08:27:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:26:07 2013
Response via : Initial Calibration

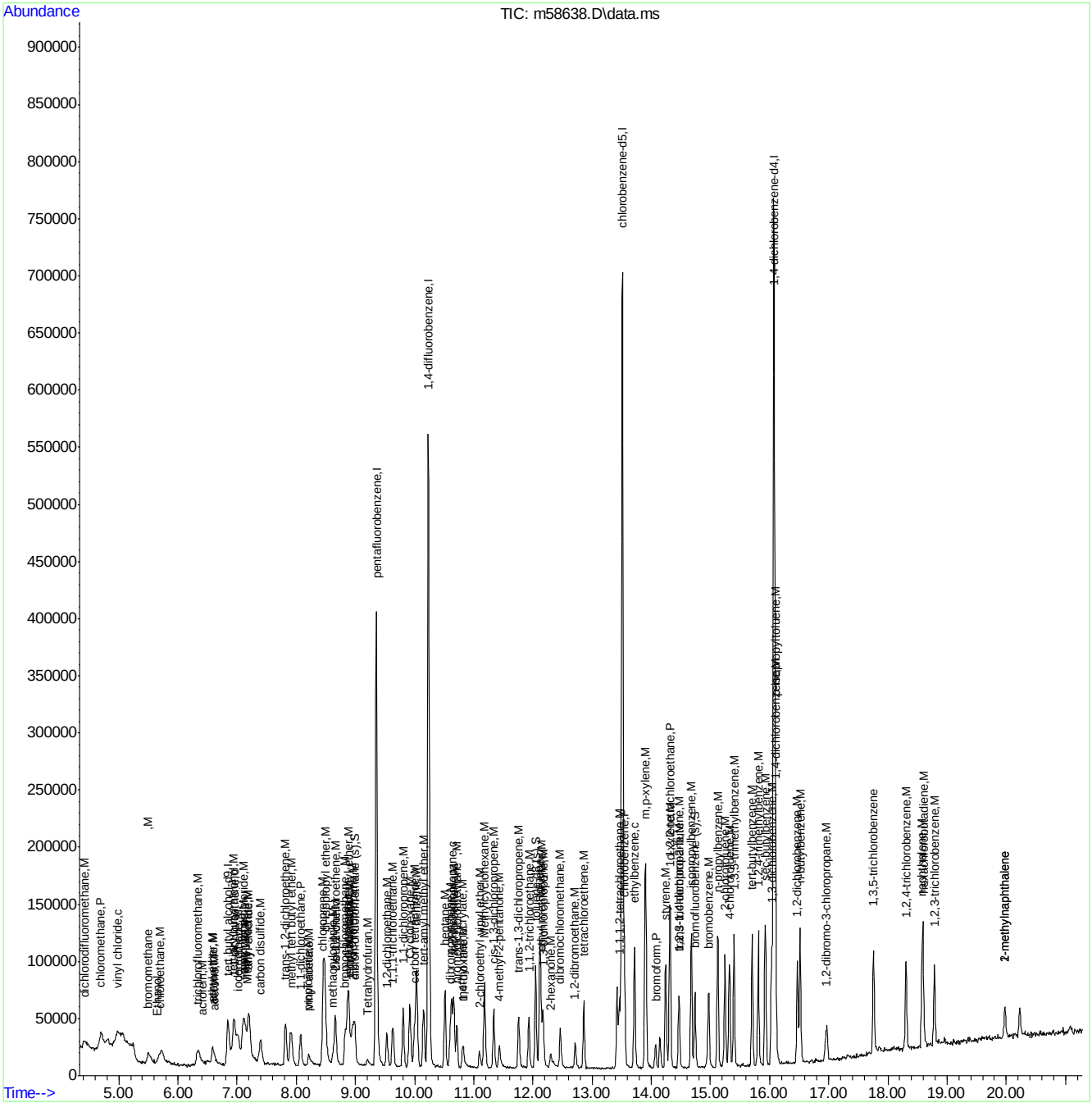
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	69506	4.23	ug/kg	96
94) 1,4-dichlorobenzene	16.105	146	41534	4.47	ug/kg	98
95) 1,2-dichlorobenzene	16.469	146	39580	4.73	ug/kg	99
96) n-butylbenzene	16.516	91	74879	4.61	ug/kg	95
97) 1,2-dibromo-3-chloropr...	16.954	75	5776	6.19	ug/kg#	76
98) 1,3,5-trichlorobenzene	17.756	180	28292	5.03	ug/kg	99
99) 1,2,4-trichlorobenzene	18.308	180	26041	4.85	ug/kg	99
100) hexachlorobutadiene	18.598	225	13008	4.68	ug/kg	92
101) naphthalene	18.578	128	64622	4.70	ug/kg	100
102) 1,2,3-trichlorobenzene	18.793	180	24563	4.78	ug/kg	99
103) 2-methylnaphthalene	19.979	142	18368	2.48	ug/kg#	93
104) 1-methylnaphthalene	19.979	TIC	73432	1.11	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58638.D
Acq On : 21 Aug 2013 3:36 pm
Operator : krystend
Sample : IC2022-5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 08:27:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:26:07 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23735

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58639.D
Acq On : 21 Aug 2013 4:05 pm
Operator : krystend
Sample : IC2022-10
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 08:27:57 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:27:22 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	133918	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	294681	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	503178	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	216735	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	216300	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	39799	10.66	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 21.32%#			
59) toluene-d8 (s)	12.043	98	137795	10.87	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 21.74%#			
81) bromofluorobenzene (s)	14.738	95	45749	10.75	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 21.50%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	33823	87.53	ug/kg	93
3) Ethanol	5.650	45	33144	1390.64	ug/kg#	84
5) dichlorodifluoromethane	4.438	85	46389	10.72	ug/kg	85
6) chloromethane	4.694	50	70835	10.29	ug/kg	95
7) vinyl chloride	4.970	62	81543	10.47	ug/kg	89
8) bromomethane ...	5.496	96	37955	10.64	ug/kg	88
9) chloroethane	5.684	64	28471	11.91	ug/kg	98
10) ethyl ether	6.587	59	29085	10.51	ug/kg	87
11) acetonitrile	6.587	41	5541	5.42	ug/kg	73
12) trichlorofluoromethane	6.338	101	60468	9.90	ug/kg	99
13) freon-113	7.146	101	32435	10.50	ug/kg	94
14) acrolein	6.371	56	8715	40.13	ug/kg	95
15) 1,1-dichloroethene	6.951	96	35170	10.26	ug/kg	99
16) acetone	6.573	58	6890	9.69	ug/kg#	82
17) Methyl Acetate	7.153	43	37712	7.83	ug/kg	93
18) methylene chloride	7.099	84	46177	10.77	ug/kg	97
19) methyl tert butyl ether	7.907	73	90678	10.16	ug/kg	95
20) acrylonitrile	7.052	53	12994	8.60	ug/kg	87
21) allyl chloride	7.200	41	72089	10.43	ug/kg	93
22) trans-1,2-dichloroethene	7.813	96	40852	9.87	ug/kg	96
23) iodomethane	7.018	142	67724	10.84	ug/kg	98
24) carbon disulfide	7.395	76	124101	10.99	ug/kg	99
25) propionitrile	8.190	54	3862	7.97	ug/kg	100
26) vinyl acetate	8.190	43	74067	10.14	ug/kg	97
27) chloroprene	8.446	53	59534	10.31	ug/kg	89
28) di-isopropyl ether	8.486	45	140106	9.89	ug/kg	90
29) methacrylonitrile	8.614	41	22951	8.93	ug/kg	97
30) 2-butanone	8.534	72	6768	11.75	ug/kg#	1
31) 1,1-dichloroethane	8.076	63	66601	10.40	ug/kg	98
32) tert-butyl ethyl ether	8.884	59	106874	10.32	ug/kg	97
33) isobutyl alcohol	8.891	43	27751	49.50	ug/kg	100
34) 2,2-dichloropropane	8.958	77	46600	10.62	ug/kg	99
35) cis-1,2-dichloroethene	8.662	96	44421	10.04	ug/kg	95
36) ethyl acetate	8.891	43	28004	9.97	ug/kg	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58639.D
Acq On : 21 Aug 2013 4:05 pm
Operator : krystend
Sample : IC2022-10
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 08:27:57 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:27:22 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	19607	10.04	ug/kg	89
38) chloroform	8.864	83	65913	10.16	ug/kg	99
40) Tetrahydrofuran	9.214	42	13913	8.20	ug/kg	83
41) 1,1,1-trichloroethane	9.632	97	56161	10.29	ug/kg	95
43) Cyclohexane	9.921	56	62768	9.83	ug/kg	95
44) carbon tetrachloride	10.002	117	51373	10.24	ug/kg	95
45) 1,1-dichloropropene	9.807	75	51718	10.20	ug/kg	99
46) benzene	10.036	78	153694	9.21	ug/kg	99
47) 1,2-dichloroethane	9.531	62	50871	9.88	ug/kg	99
48) tert-amyl methyl ether	10.150	73	85107	9.66	ug/kg	98
49) heptane	10.514	43	69478	10.05	ug/kg	96
50) trichloroethene	10.662	95	41705	9.63	ug/kg	97
51) 1,2-dichloropropane	10.622	63	42450	10.39	ug/kg	98
52) dibromomethane	10.602	93	22337	9.85	ug/kg	95
53) bromodichloromethane	10.716	83	52538	10.20	ug/kg	97
54) Methylcyclohexane	11.181	83	65621	10.45	ug/kg	98
55) 2-chloroethyl vinyl ether	11.093	63	16374	10.41	ug/kg	96
56) methyl methacrylate	10.811	69	21661	10.06	ug/kg	99
57) 1,4-dioxane	10.844	88	1326m	49.28	ug/kg	
58) cis-1,3-dichloropropene	11.336	75	60810	9.95	ug/kg	95
60) 4-methyl-2-pentanone	11.430	43	46312	9.64	ug/kg	93
61) toluene	12.117	92	92664	10.12	ug/kg	97
62) trans-1,3-dichloropropene	11.760	75	50689	10.12	ug/kg	97
63) 1,1,2-trichloroethane	11.935	83	27256	9.85	ug/kg	96
64) ethyl methacrylate	12.131	69	41357	9.62	ug/kg	99
66) tetrachloroethene	12.858	166	34600	9.36	ug/kg	92
67) 1,3-dichloropropane	12.171	76	50588	9.71	ug/kg	97
68) dibromochloromethane	12.461	129	38928	9.94	ug/kg	97
69) 1,2-dibromoethane	12.717	107	33176	9.70	ug/kg	98
70) 2-hexanone	12.293	43	42896	9.91	ug/kg	96
71) chlorobenzene	13.545	112	111493	10.26	ug/kg	100
72) 1,1,1,2-tetrachloroethane	13.465	131	38005	10.04	ug/kg	96
73) ethylbenzene	13.714	91	178505	10.23	ug/kg	97
74) m,p-xylene	13.903	106	141425	19.95	ug/kg	96
75) o-xylene	14.313	106	70263	10.07	ug/kg	97
76) styrene	14.246	104	110681	10.36	ug/kg	95
77) bromoform	14.071	173	22198	10.02	ug/kg	90
78) trans-1,4-dichloro-2-b...	14.468	53	13249	9.22	ug/kg#	83
80) isopropylbenzene	14.677	105	184386	10.12	ug/kg	98
82) bromobenzene	14.974	156	43307	10.00	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.320	83	44504	9.59	ug/kg	93
84) 1,2,3-trichloropropane	14.468	75	44875	9.52	ug/kg	96
85) n-propylbenzene	15.122	91	219857	10.25	ug/kg	99
86) 2-chlorotoluene	15.243	91	126141	10.02	ug/kg	98
87) 4-chlorotoluene	15.324	91	124974	10.10	ug/kg	98
88) 1,3,5-trimethylbenzene	15.398	105	150711	10.05	ug/kg	97
89) tert-butylbenzene	15.708	91	83916	9.90	ug/kg	98
90) 1,2,4-trimethylbenzene	15.809	105	146287	9.92	ug/kg	99
91) sec-butylbenzene	15.930	105	202283	9.81	ug/kg	99
92) 1,3-dichlorobenzene	16.038	146	88987	10.01	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58639.D
Acq On : 21 Aug 2013 4:05 pm
Operator : krystend
Sample : IC2022-10
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 08:27:57 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:27:22 2013
Response via : Initial Calibration

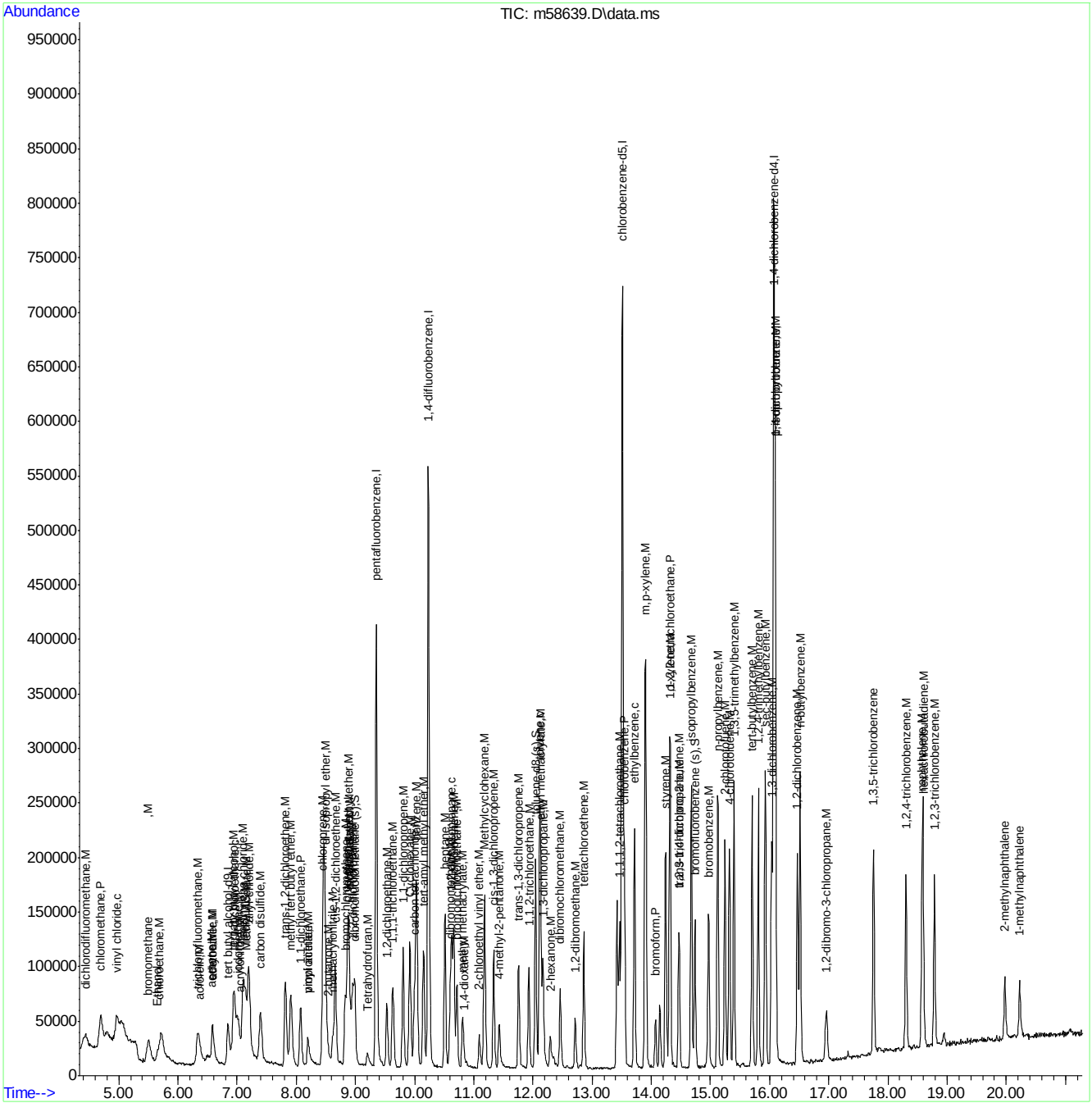
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	154801	9.64	ug/kg	99
94)	1,4-dichlorobenzene	16.099	146	90173	9.75	ug/kg	97
95)	1,2-dichlorobenzene	16.469	146	84187	9.94	ug/kg	98
96)	n-butylbenzene	16.516	91	164221	10.07	ug/kg	96
97)	1,2-dibromo-3-chloropr...	16.954	75	9809	9.45	ug/kg#	69
98)	1,3,5-trichlorobenzene	17.756	180	59191	10.18	ug/kg	94
99)	1,2,4-trichlorobenzene	18.308	180	55505	10.12	ug/kg	94
100)	hexachlorobutadiene	18.598	225	27376	9.77	ug/kg	96
101)	naphthalene	18.578	128	135371	9.74	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	52335	10.03	ug/kg	97
103)	2-methylnaphthalene	19.979	142	35914	4.72	ug/kg	96
104)	1-methylnaphthalene	20.228	TIC	162412	2.93	ug/kg#	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58639.D
Acq On : 21 Aug 2013 4:05 pm
Operator : krystend
Sample : IC2022-10
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 08:27:57 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:27:22 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23735

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58640.D
Acq On : 21 Aug 2013 4:35 pm
Operator : krystend
Sample : IC2022-20
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 22 08:38:20 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	138315	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	308232	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	526542	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	226339	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	224045	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	84513	21.81	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 43.62%#			
59) toluene-d8 (s)	12.043	98	291048	22.01	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 44.02%#			
81) bromofluorobenzene (s)	14.738	95	98129	22.39	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 44.78%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.944	59	72131	186.55	ug/kg	91
3) Ethanol	5.657	45	71872	2659.94	ug/kg	90
5) dichlorodifluoromethane	4.431	85	93564	20.31	ug/kg	98
6) chloromethane	4.694	50	143894	19.84	ug/kg	97
7) vinyl chloride	4.963	62	176496	21.41	ug/kg	92
8) bromomethane ...	5.496	96	80760	21.31	ug/kg	98
9) chloroethane	5.677	64	54158	20.68	ug/kg	98
10) ethyl ether	6.587	59	62985	21.48	ug/kg	97
11) acetonitrile	6.580	41	19529	20.63	ug/kg	83
12) trichlorofluoromethane	6.338	101	135900	21.32	ug/kg	96
13) freon-113	7.153	101	70398	21.51	ug/kg	99
14) acrolein	6.365	56	19953	94.02	ug/kg	86
15) 1,1-dichloroethene	6.957	96	76479	21.20	ug/kg	89
16) acetone	6.513	58	13082m	17.77	ug/kg	
17) Methyl Acetate	7.139	43	96541	20.27	ug/kg	95
18) methylene chloride	7.106	84	90201	19.73	ug/kg	96
19) methyl tert butyl ether	7.907	73	181033	19.31	ug/kg	95
20) acrylonitrile	7.038	53	30379	20.16	ug/kg	84
21) allyl chloride	7.193	41	142624	19.52	ug/kg	92
22) trans-1,2-dichloroethene	7.820	96	77568	17.97	ug/kg	96
23) iodomethane	7.011	142	135978	20.38	ug/kg	96
24) carbon disulfide	7.395	76	248484	20.54	ug/kg	98
25) propionitrile	8.170	54	9032	19.12	ug/kg	100
26) vinyl acetate	8.183	43	164482	21.46	ug/kg	98
27) chloroprene	8.446	53	127891	21.01	ug/kg	100
28) di-isopropyl ether	8.486	45	297883	20.16	ug/kg	87
29) methacrylonitrile	8.614	41	46873	17.92	ug/kg	90
30) 2-butanone	8.507	72	11638	18.25	ug/kg#	76
31) 1,1-dichloroethane	8.076	63	136478	20.18	ug/kg	97
32) tert-butyl ethyl ether	8.891	59	220429	20.18	ug/kg	97
33) isobutyl alcohol	8.884	43	62182	106.30	ug/kg#	75
34) 2,2-dichloropropane	8.951	77	89276	19.16	ug/kg	99
35) cis-1,2-dichloroethene	8.655	96	93083	20.10	ug/kg	92
36) ethyl acetate	8.884	43	62140	21.17	ug/kg	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58640.D
Acq On : 21 Aug 2013 4:35 pm
Operator : krystend
Sample : IC2022-20
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 22 08:38:20 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	41207	20.15	ug/kg	95
38) chloroform	8.864	83	138560	20.34	ug/kg	99
40) Tetrahydrofuran	9.201	42	30016	17.71	ug/kg	91
41) 1,1,1-trichloroethane	9.632	97	113214	19.69	ug/kg	98
43) Cyclohexane	9.921	56	124508	18.72	ug/kg	95
44) carbon tetrachloride	10.002	117	104752	19.83	ug/kg	93
45) 1,1-dichloropropene	9.807	75	108083	20.27	ug/kg	100
46) benzene	10.036	78	319888	18.61	ug/kg	100
47) 1,2-dichloroethane	9.531	62	109189	20.32	ug/kg	99
48) tert-amyl methyl ether	10.150	73	185187	20.26	ug/kg	96
49) heptane	10.507	43	139755	19.30	ug/kg	97
50) trichloroethene	10.656	95	84070	18.69	ug/kg	98
51) 1,2-dichloropropane	10.622	63	86853	20.12	ug/kg	100
52) dibromomethane	10.602	93	48317	20.43	ug/kg	95
53) bromodichloromethane	10.716	83	111824	20.64	ug/kg	99
54) Methylcyclohexane	11.188	83	131585	19.80	ug/kg	96
55) 2-chloroethyl vinyl ether	11.087	63	36183	21.76	ug/kg	96
56) methyl methacrylate	10.804	69	47357	20.98	ug/kg	92
57) 1,4-dioxane	10.811	88	3976	141.89	ug/kg	77
58) cis-1,3-dichloropropene	11.336	75	131842	20.65	ug/kg	98
60) 4-methyl-2-pentanone	11.424	43	87618	17.58	ug/kg	99
61) toluene	12.117	92	193082	20.09	ug/kg	98
62) trans-1,3-dichloropropene	11.754	75	108302	20.60	ug/kg	99
63) 1,1,2-trichloroethane	11.929	83	58552	20.30	ug/kg	98
64) ethyl methacrylate	12.131	69	92704	20.81	ug/kg	98
66) tetrachloroethene	12.858	166	73859	19.37	ug/kg	95
67) 1,3-dichloropropane	12.165	76	113763	21.06	ug/kg	100
68) dibromochloromethane	12.461	129	83028	20.33	ug/kg	99
69) 1,2-dibromoethane	12.710	107	72222	20.37	ug/kg	96
70) 2-hexanone	12.286	43	78978	17.51	ug/kg	99
71) chlorobenzene	13.546	112	229586	20.10	ug/kg	97
72) 1,1,1,2-tetrachloroethane	13.465	131	79979	20.22	ug/kg	98
73) ethylbenzene	13.714	91	367310	20.04	ug/kg	99
74) m,p-xylene	13.903	106	300255	40.59	ug/kg	99
75) o-xylene	14.313	106	148227	20.31	ug/kg	99
76) styrene	14.239	104	232602	20.66	ug/kg	100
77) bromoform	14.071	173	47768	20.63	ug/kg	95
78) trans-1,4-dichloro-2-b...	14.468	53	27563	18.73	ug/kg	88
80) isopropylbenzene	14.677	105	384437	20.31	ug/kg	100
82) bromobenzene	14.974	156	90422	20.15	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.320	83	94545	19.88	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	97380	20.19	ug/kg	100
85) n-propylbenzene	15.122	91	452676	20.25	ug/kg	98
86) 2-chlorotoluene	15.243	91	259054	19.86	ug/kg	99
87) 4-chlorotoluene	15.324	91	264638	20.59	ug/kg	98
88) 1,3,5-trimethylbenzene	15.398	105	321478	20.68	ug/kg	99
89) tert-butylbenzene	15.708	91	177869	20.31	ug/kg	93
90) 1,2,4-trimethylbenzene	15.809	105	312139	20.47	ug/kg	100
91) sec-butylbenzene	15.930	105	439925	20.69	ug/kg	98
92) 1,3-dichlorobenzene	16.031	146	183628	19.93	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58640.D
Acq On : 21 Aug 2013 4:35 pm
Operator : krystend
Sample : IC2022-20
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 22 08:38:20 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:07 2013
Response via : Initial Calibration

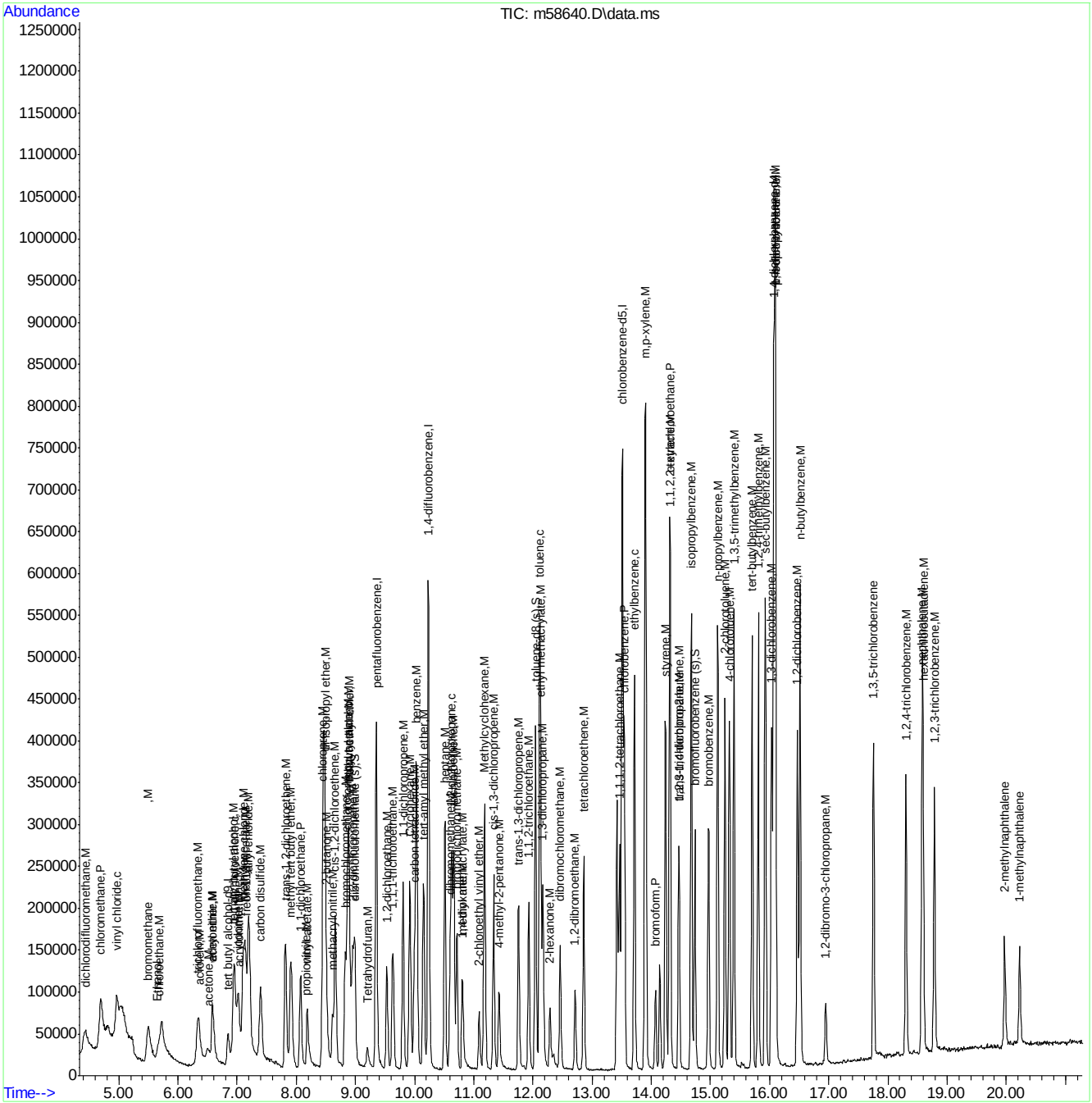
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	334042	20.26	ug/kg	100
94) 1,4-dichlorobenzene	16.099	146	189086	19.87	ug/kg	100
95) 1,2-dichlorobenzene	16.469	146	182787	20.86	ug/kg	96
96) n-butylbenzene	16.516	91	344019	20.32	ug/kg	95
97) 1,2-dibromo-3-chloropr...	16.947	75	18272	17.23	ug/kg	85
98) 1,3,5-trichlorobenzene	17.756	180	123142	20.36	ug/kg	99
99) 1,2,4-trichlorobenzene	18.308	180	113984	20.01	ug/kg	97
100) hexachlorobutadiene	18.598	225	57818	20.03	ug/kg	90
101) naphthalene	18.578	128	297909	20.83	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	108856	20.13	ug/kg	95
103) 2-methylnaphthalene	19.972	142	81260	10.45	ug/kg	99
104) 1-methylnaphthalene	20.228	TIC	287362	5.58	ug/kg	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58640.D
Acq On : 21 Aug 2013 4:35 pm
Operator : krystend
Sample : IC2022-20
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 22 08:38:20 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:07 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58641.D
Acq On : 21 Aug 2013 5:08 pm
Operator : krystend
Sample : ICC2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 08:41:08 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:40:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.849	65	133210	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	319026	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	550096	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	245364	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	248561	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	240789	58.96	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 117.92%			
59) toluene-d8 (s)	12.043	98	854645	58.90	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 117.80%			
81) bromofluorobenzene (s)	14.738	95	297874	61.70	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 123.40%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	201417	563.43	ug/kg	100
3) Ethanol	5.657	45	200720	5679.18	ug/kg	100
5) dichlorodifluoromethane	4.431	85	256075	56.92	ug/kg	100
6) chloromethane	4.700	50	376065	53.84	ug/kg	100
7) vinyl chloride	4.970	62	420391	51.68	ug/kg	100
8) bromomethane ...	5.509	96	180936	48.63	ug/kg	100
9) chloroethane	5.671	64	136479m	52.05	ug/kg	
10) ethyl ether	6.580	59	167701	54.70	ug/kg	100
11) acetonitrile	6.580	41	49587	52.24	ug/kg	98
12) trichlorofluoromethane	6.344	101	364040	55.62	ug/kg	100
13) freon-113	7.146	101	193776	56.91	ug/kg	99
14) acrolein	6.331	56	71331	305.70	ug/kg	100
15) 1,1-dichloroethene	6.950	96	196104	52.50	ug/kg	100
16) acetone	6.472	58	42985m	61.56	ug/kg	
17) Methyl Acetate	7.132	43	304395	59.12	ug/kg	100
18) methylene chloride	7.105	84	223685m	50.44	ug/kg	
19) methyl tert butyl ether	7.907	73	534305	56.01	ug/kg	100
20) acrylonitrile	7.011	53	91079	57.95	ug/kg	100
21) allyl chloride	7.200	41	381333	51.62	ug/kg	100
22) trans-1,2-dichloroethene	7.813	96	223770	51.87	ug/kg	100
23) iodomethane	7.011	142	380164	53.79	ug/kg	100
24) carbon disulfide	7.395	76	684854	54.58	ug/kg	100
25) propionitrile	8.156	54	29307	55.88	ug/kg	100
26) vinyl acetate	8.170	43	525049	58.61	ug/kg	100
27) chloroprene	8.446	53	348522	53.59	ug/kg	100
28) di-isopropyl ether	8.486	45	843619	54.11	ug/kg	100
29) methacrylonitrile	8.608	41	145363	55.24	ug/kg	100
30) 2-butanone	8.500	72	40327	56.68	ug/kg	100
31) 1,1-dichloroethane	8.075	63	373275	53.63	ug/kg	100
32) tert-butyl ethyl ether	8.891	59	649714	56.24	ug/kg	100
33) isobutyl alcohol	8.891	43	150282	257.76	ug/kg	100
34) 2,2-dichloropropane	8.951	77	254603	54.39	ug/kg	100
35) cis-1,2-dichloroethene	8.655	96	252856	52.07	ug/kg	100
36) ethyl acetate	8.891	43	156155	53.29	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58641.D
Acq On : 21 Aug 2013 5:08 pm
Operator : krystend
Sample : ICC2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 08:41:08 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:40:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	114742	52.82	ug/kg	100
38) chloroform	8.864	83	387756	53.68	ug/kg	100
40) Tetrahydrofuran	9.200	42	78771	51.62	ug/kg	100
41) 1,1,1-trichloroethane	9.632	97	315119	53.62	ug/kg	100
43) Cyclohexane	9.921	56	370769	54.65	ug/kg	100
44) carbon tetrachloride	10.002	117	292775	52.10	ug/kg	100
45) 1,1-dichloropropene	9.807	75	295050	52.29	ug/kg	100
46) benzene	10.036	78	895986	50.71	ug/kg	100
47) 1,2-dichloroethane	9.530	62	309778	55.56	ug/kg	100
48) tert-amyl methyl ether	10.150	73	525932	55.17	ug/kg	100
49) heptane	10.507	43	406732	54.31	ug/kg	100
50) trichloroethene	10.662	95	238846	51.05	ug/kg	100
51) 1,2-dichloropropane	10.622	63	244715	53.40	ug/kg	100
52) dibromomethane	10.602	93	136885	54.44	ug/kg	100
53) bromodichloromethane	10.716	83	318148	54.81	ug/kg	100
54) Methylcyclohexane	11.181	83	395374	55.33	ug/kg	100
55) 2-chloroethyl vinyl ether	11.087	63	100031	54.63	ug/kg	100
56) methyl methacrylate	10.804	69	146402	58.12	ug/kg	100
57) 1,4-dioxane	10.804	88	10591	274.03	ug/kg	100
58) cis-1,3-dichloropropene	11.336	75	374798	53.97	ug/kg	100
60) 4-methyl-2-pentanone	11.423	43	275445	55.22	ug/kg	100
61) toluene	12.117	92	567923	52.25	ug/kg	100
62) trans-1,3-dichloropropene	11.753	75	312006	54.33	ug/kg	100
63) 1,1,2-trichloroethane	11.929	83	169261	54.95	ug/kg	100
64) ethyl methacrylate	12.124	69	290156	54.58	ug/kg	100
66) tetrachloroethene	12.858	166	208025	53.10	ug/kg	100
67) 1,3-dichloropropane	12.164	76	322030	56.46	ug/kg	100
68) dibromochloromethane	12.461	129	246873	57.13	ug/kg	100
69) 1,2-dibromoethane	12.710	107	211468	57.64	ug/kg	100
70) 2-hexanone	12.279	43	255086	56.58	ug/kg	99
71) chlorobenzene	13.545	112	665471	55.12	ug/kg	100
72) 1,1,1,2-tetrachloroethane	13.465	131	230214	54.90	ug/kg	100
73) ethylbenzene	13.714	91	1088464	55.73	ug/kg	100
74) m,p-xylene	13.902	106	903875	110.19	ug/kg	100
75) o-xylene	14.313	106	450270	55.10	ug/kg	100
76) styrene	14.239	104	678744	54.95	ug/kg	100
77) bromoform	14.071	173	143214	56.65	ug/kg	100
78) trans-1,4-dichloro-2-b...	14.461	53	88892	58.91	ug/kg	100
80) isopropylbenzene	14.677	105	1194327	56.76	ug/kg	100
82) bromobenzene	14.967	156	275366	55.47	ug/kg	100
83) 1,1,2,2-tetrachloroethane	14.320	83	304945	58.76	ug/kg	100
84) 1,2,3-trichloropropane	14.468	75	312424	59.79	ug/kg	100
85) n-propylbenzene	15.122	91	1397998	57.37	ug/kg	100
86) 2-chlorotoluene	15.243	91	811548	56.69	ug/kg	100
87) 4-chlorotoluene	15.317	91	793527	55.57	ug/kg	100
88) 1,3,5-trimethylbenzene	15.398	105	1030930	57.90	ug/kg	100
89) tert-butylbenzene	15.708	91	564250	57.01	ug/kg	100
90) 1,2,4-trimethylbenzene	15.809	105	1006073	57.50	ug/kg	100
91) sec-butylbenzene	15.930	105	1407644	58.46	ug/kg	100
92) 1,3-dichlorobenzene	16.038	146	572854	54.93	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58641.D
Acq On : 21 Aug 2013 5:08 pm
Operator : krystend
Sample : ICC2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 08:41:08 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:40:43 2013
Response via : Initial Calibration

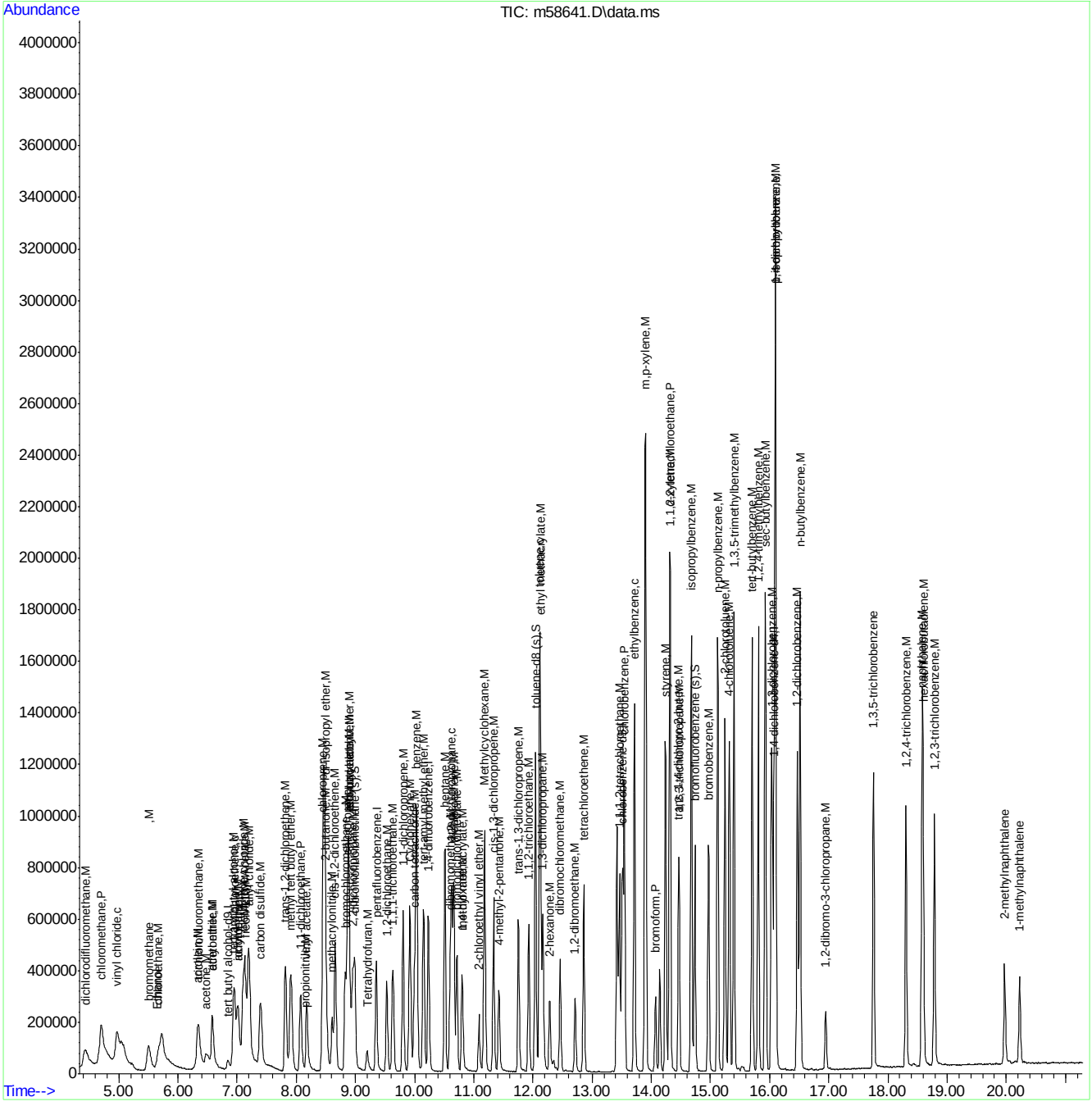
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.098	119	1144024	59.37	ug/kg	100
94)	1,4-dichlorobenzene	16.098	146	626542	56.81	ug/kg	100
95)	1,2-dichlorobenzene	16.469	146	556888	54.92	ug/kg	100
96)	n-butylbenzene	16.516	91	1119005	59.51	ug/kg	100
97)	1,2-dibromo-3-chloropr...	16.947	75	53838	60.34	ug/kg	100
98)	1,3,5-trichlorobenzene	17.756	180	375220	56.54	ug/kg	100
99)	1,2,4-trichlorobenzene	18.308	180	351656	56.91	ug/kg	100
100)	hexachlorobutadiene	18.598	225	180523	55.74	ug/kg	100
101)	naphthalene	18.577	128	936217	56.43	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	334655	56.27	ug/kg	100
103)	2-methylnaphthalene	19.972	142	246957	28.86	ug/kg	99
104)	1-methylnaphthalene	20.228	TIC	771562	28.32	ug/kg	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58641.D
Acq On : 21 Aug 2013 5:08 pm
Operator : krystend
Sample : ICC2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 08:41:08 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:40:43 2013
Response via : Initial Calibration



M58642.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski 08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58642.D
Acq On : 21 Aug 2013 5:37 pm
Operator : krystend
Sample : IC2022-100
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 22 08:38:55 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	148956	500.00	ug/kg	-0.01
4) pentafluorobenzene	9.349	168	333659	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	570156	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	273174	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	302693	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	473829	113.16	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 226.32%#			
59) toluene-d8 (s)	12.043	98	1711926	119.55	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 239.10%#			
81) bromofluorobenzene (s)	14.738	95	653746	110.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 220.00%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	384702	936.44	ug/kg	95
3) Ethanol	5.651	45	386426	12457.60	ug/kg	97
5) dichlorodifluoromethane	4.424	85	429080	85.78	ug/kg	98
6) chloromethane	4.694	50	689665	87.98	ug/kg	98
7) vinyl chloride	4.970	62	809177	89.41	ug/kg	99
8) bromomethane ...	5.496	96	354179	85.22	ug/kg	96
9) chloroethane	5.671	64	274083	96.02	ug/kg	96
10) ethyl ether	6.573	59	319480	99.18	ug/kg	94
11) acetonitrile	6.567	41	86560	83.93	ug/kg	96
12) trichlorofluoromethane	6.331	101	689569m	98.63	ug/kg	
13) freon-113	7.139	101	376123	104.60	ug/kg	96
14) acrolein	6.324	56	114847	507.53	ug/kg	96
15) 1,1-dichloroethene	6.944	96	395529	100.08	ug/kg	92
16) acetone	6.459	58	73101m	88.40	ug/kg	
17) Methyl Acetate	7.119	43	573229	110.87	ug/kg	97
18) methylene chloride	7.099	84	433609m	87.87	ug/kg	
19) methyl tert butyl ether	7.900	73	1009291	100.14	ug/kg	98
20) acrylonitrile	6.991	53	164336	100.53	ug/kg	96
21) allyl chloride	7.193	41	763597	97.00	ug/kg	98
22) trans-1,2-dichloroethene	7.813	96	438725	95.85	ug/kg	98
23) iodomethane	7.005	142	755740	104.23	ug/kg	99
24) carbon disulfide	7.388	76	1347724	102.34	ug/kg	100
25) propionitrile	8.082	54	61425	121.45	ug/kg	100
26) vinyl acetate	8.170	43	989562	117.53	ug/kg	98
27) chloroprene	8.439	53	708362	106.42	ug/kg	99
28) di-isopropyl ether	8.480	45	1679963	104.88	ug/kg	96
29) methacrylonitrile	8.601	41	265812	95.87	ug/kg	97
30) 2-butanone	8.487	72	73918	109.48	ug/kg#	12
31) 1,1-dichloroethane	8.069	63	730740	99.63	ug/kg	96
32) tert-butyl ethyl ether	8.884	59	1258182	106.23	ug/kg	99
33) isobutyl alcohol	8.884	43	286822	447.33	ug/kg	98
34) 2,2-dichloropropane	8.951	77	504941	100.95	ug/kg	98
35) cis-1,2-dichloroethene	8.655	96	500811	99.79	ug/kg	99
36) ethyl acetate	8.884	43	291633	90.71	ug/kg	91

ACCUTEST LABORATORIES MC23735

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58642.D
Acq On : 21 Aug 2013 5:37 pm
Operator : krystend
Sample : IC2022-100
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 22 08:38:55 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	223903	100.98	ug/kg	96
38) chloroform	8.864	83	768665	103.89	ug/kg	98
40) Tetrahydrofuran	9.194	42	152940	85.33	ug/kg	99
41) 1,1,1-trichloroethane	9.632	97	635877	102.47	ug/kg	99
43) Cyclohexane	9.921	56	738374	103.84	ug/kg	98
44) carbon tetrachloride	10.002	117	607117	106.31	ug/kg	96
45) 1,1-dichloropropene	9.807	75	601444	103.90	ug/kg	100
46) benzene	10.029	78	1812479	98.50	ug/kg	98
47) 1,2-dichloroethane	9.524	62	584200	100.09	ug/kg	99
48) tert-amyl methyl ether	10.150	73	1004021	101.16	ug/kg	99
49) heptane	10.507	43	786719	101.02	ug/kg	99
50) trichloroethene	10.656	95	475796	98.78	ug/kg	99
51) 1,2-dichloropropane	10.622	63	478790	102.31	ug/kg	100
52) dibromomethane	10.602	93	261361	101.64	ug/kg	96
53) bromodichloromethane	10.716	83	620313	105.08	ug/kg	99
54) Methylcyclohexane	11.181	83	805884	112.21	ug/kg	97
55) 2-chloroethyl vinyl ether	11.087	63	193456	105.57	ug/kg	100
56) methyl methacrylate	10.804	69	278245	112.74	ug/kg	94
57) 1,4-dioxane	10.804	88	19995	596.50	ug/kg	85
58) cis-1,3-dichloropropene	11.336	75	738919	106.18	ug/kg	98
60) 4-methyl-2-pentanone	11.424	43	511057	97.05	ug/kg	99
61) toluene	12.117	92	1201839	115.36	ug/kg	99
62) trans-1,3-dichloropropene	11.754	75	613895	107.20	ug/kg	97
63) 1,1,2-trichloroethane	11.929	83	321934	102.76	ug/kg	97
64) ethyl methacrylate	12.124	69	588957	121.11	ug/kg	97
66) tetrachloroethene	12.858	166	421135	92.01	ug/kg	98
67) 1,3-dichloropropane	12.165	76	657887	99.83	ug/kg	99
68) dibromochloromethane	12.461	129	486011	98.27	ug/kg	98
69) 1,2-dibromoethane	12.710	107	405016	94.30	ug/kg	99
70) 2-hexanone	12.279	43	456638	86.04	ug/kg	99
71) chlorobenzene	13.546	112	1370753	99.34	ug/kg	98
72) 1,1,1,2-tetrachloroethane	13.465	131	471526	98.55	ug/kg	98
73) ethylbenzene	13.714	91	2312568	104.51	ug/kg	99
74) m,p-xylene	13.903	106	1999075	223.24	ug/kg	99
75) o-xylene	14.313	106	1024654	115.98	ug/kg	100
76) styrene	14.239	104	1476015	107.93	ug/kg	99
77) bromoform	14.071	173	295361	105.04	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.462	53	175088	99.87	ug/kg	97
80) isopropylbenzene	14.677	105	2640276	102.94	ug/kg	99
82) bromobenzene	14.967	156	579624	95.47	ug/kg	97
83) 1,1,2,2-tetrachloroethane	14.320	83	649693	101.22	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	638281	97.77	ug/kg	100
85) n-propylbenzene	15.122	91	3064437	101.20	ug/kg	98
86) 2-chlorotoluene	15.243	91	1762943	100.17	ug/kg	99
87) 4-chlorotoluene	15.317	91	1799630	103.05	ug/kg	98
88) 1,3,5-trimethylbenzene	15.398	105	2333549	110.34	ug/kg	99
89) tert-butylbenzene	15.708	91	1262824	106.42	ug/kg	95
90) 1,2,4-trimethylbenzene	15.809	105	2283660	110.35	ug/kg	99
91) sec-butylbenzene	15.930	105	3203665	110.77	ug/kg	98
92) 1,3-dichlorobenzene	16.031	146	1290835	103.78	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58642.D
Acq On : 21 Aug 2013 5:37 pm
Operator : krystend
Sample : IC2022-100
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 22 08:38:55 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:30 2013
Response via : Initial Calibration

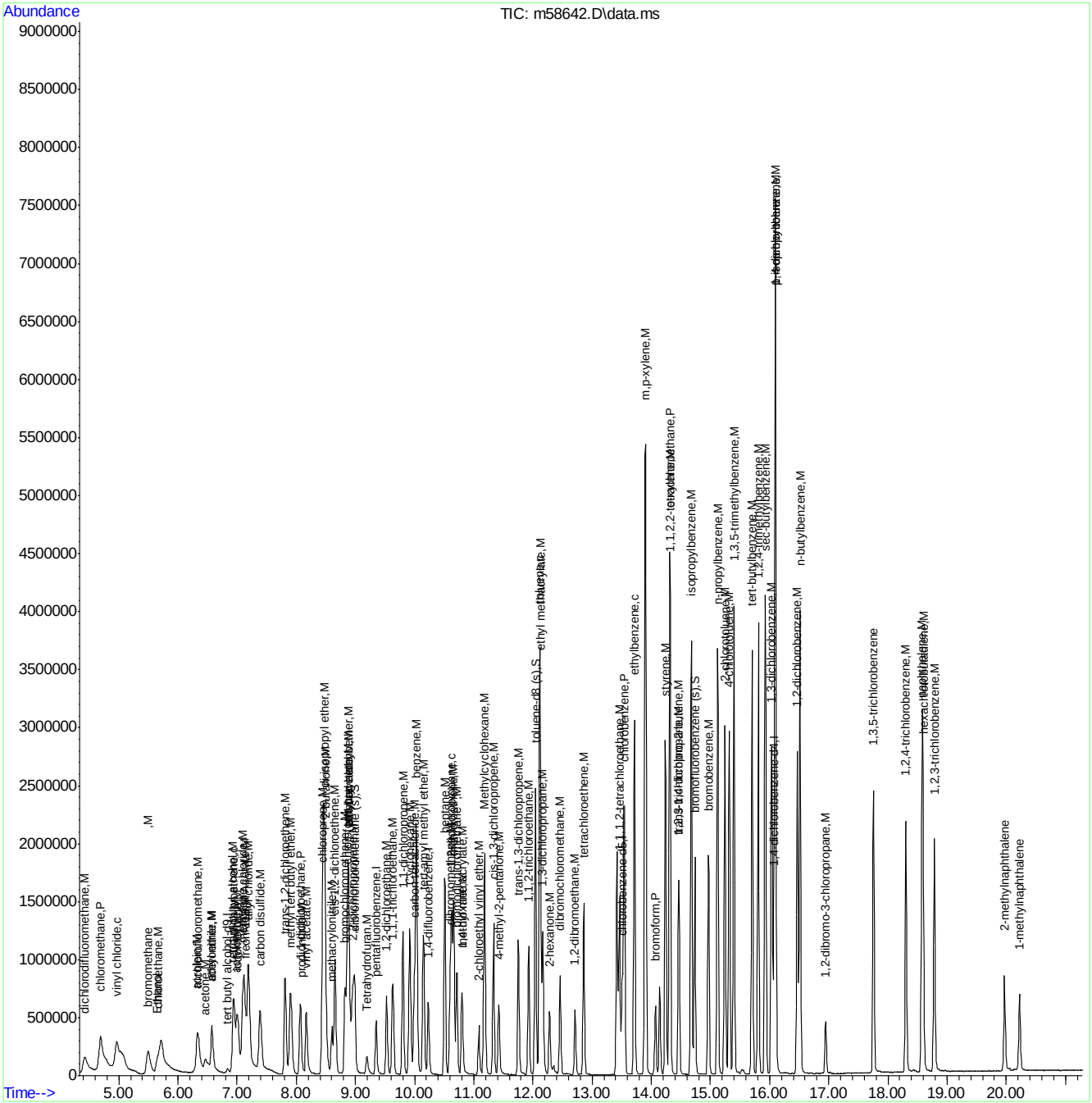
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	2615991	117.13	ug/kg	98
94) 1,4-dichlorobenzene	16.099	146	1434901	111.75	ug/kg	98
95) 1,2-dichlorobenzene	16.469	146	1227434	102.80	ug/kg	99
96) n-butylbenzene	16.516	91	2452641	106.90	ug/kg	100
97) 1,2-dibromo-3-chloropr...	16.947	75	110644	79.43	ug/kg	98
98) 1,3,5-trichlorobenzene	17.756	180	784504	95.66	ug/kg	99
99) 1,2,4-trichlorobenzene	18.301	180	719917	93.53	ug/kg	98
100) hexachlorobutadiene	18.598	225	386752	99.16	ug/kg	99
101) naphthalene	18.578	128	2003073	102.82	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	700932	95.81	ug/kg	97
103) 2-methylnaphthalene	19.972	142	493723	46.59	ug/kg	98
104) 1-methylnaphthalene	20.228	TIC	1559431	24.58	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58642.D
Acq On : 21 Aug 2013 5:37 pm
Operator : krystend
Sample : IC2022-100
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 22 08:38:55 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:30 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58643.D
Acq On : 21 Aug 2013 6:07 pm
Operator : krystend
Sample : IC2022-200
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 22 08:39:10 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:08 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	165225	500.00	ug/kg	-0.01
4) pentafluorobenzene	9.355	168	385716	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.238	114	660728	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	351270	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	384535	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	1080939	222.24	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	444.48%#		
59) toluene-d8 (s)	12.043	98	4114122	244.39	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	488.78%#		
81) bromofluorobenzene (s)	14.738	95	1570097	207.96	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	415.92%#		
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	829390	1839.60	ug/kg	100
3) Ethanol	5.657	45	873534	24389.12	ug/kg	98
5) dichlorodifluoromethane	4.438	85	1030089	182.47	ug/kg	98
6) chloromethane	4.701	50	1532459	172.56	ug/kg	97
7) vinyl chloride	4.970	62	1785918	173.78	ug/kg	97
8) bromomethane ...	5.502	96	800603	170.84	ug/kg	98
9) chloroethane	5.677	64	590780m	180.23	ug/kg	
10) ethyl ether	6.580	59	736950	198.17	ug/kg	93
11) acetonitrile	6.573	41	234146	201.80	ug/kg	89
12) trichlorofluoromethane	6.338	101	1546925	191.83	ug/kg	98
13) freon-113	7.153	101	816444	194.92	ug/kg	97
14) acrolein	6.331	56	275357	1049.46	ug/kg	95
15) 1,1-dichloroethene	6.951	96	888274	194.39	ug/kg	95
16) acetone	6.459	58	151274m	157.38	ug/kg	
17) Methyl Acetate	7.126	43	1333192	219.09	ug/kg	99
18) methylene chloride	7.106	84	975618m	204.92	ug/kg	
19) methyl tert butyl ether	7.907	73	2255945	193.57	ug/kg	97
20) acrylonitrile	6.998	53	380649	201.22	ug/kg	88
21) allyl chloride	7.200	41	1763635	194.78	ug/kg	100
22) trans-1,2-dichloroethene	7.813	96	1033019	196.58	ug/kg	98
23) iodomethane	7.011	142	1757388	208.19	ug/kg	98
24) carbon disulfide	7.395	76	3089880	202.18	ug/kg	100
25) propionitrile	8.082	54	139195	228.29	ug/kg	100
26) vinyl acetate	8.170	43	2347365	234.33	ug/kg	97
27) chloroprene	8.446	53	1661243	213.61	ug/kg	97
28) di-isopropyl ether	8.486	45	3950618	211.63	ug/kg	95
29) methacrylonitrile	8.601	41	637903	200.40	ug/kg	97
30) 2-butanone	8.486	72	173819	218.56	ug/kg#	20
31) 1,1-dichloroethane	8.069	63	1682545	198.56	ug/kg	98
32) tert-butyl ethyl ether	8.891	59	2910450	210.38	ug/kg	99
33) isobutyl alcohol	8.891	43	644060	884.44	ug/kg	98
34) 2,2-dichloropropane	8.958	77	1098082	189.60	ug/kg	99
35) cis-1,2-dichloroethene	8.655	96	1223648	210.99	ug/kg	97
36) ethyl acetate	8.891	43	643927	175.98	ug/kg	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58643.D
Acq On : 21 Aug 2013 6:07 pm
Operator : krystend
Sample : IC2022-200
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 22 08:39:10 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:08 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	546534	212.88	ug/kg	90
38) chloroform	8.864	83	1827091	212.24	ug/kg	96
40) Tetrahydrofuran	9.194	42	333074	164.78	ug/kg	100
41) 1,1,1-trichloroethane	9.632	97	1411137	195.90	ug/kg	99
43) Cyclohexane	9.921	56	1632934	196.91	ug/kg	98
44) carbon tetrachloride	10.002	117	1412565	211.22	ug/kg	98
45) 1,1-dichloropropene	9.807	75	1405972	208.23	ug/kg	97
46) benzene	10.036	78	4326012	203.30	ug/kg	100
47) 1,2-dichloroethane	9.531	62	1339766	198.05	ug/kg	98
48) tert-amyl methyl ether	10.150	73	2296625	199.29	ug/kg	97
49) heptane	10.514	43	1810861	200.32	ug/kg	98
50) trichloroethene	10.656	95	1156337	207.51	ug/kg	98
51) 1,2-dichloropropane	10.629	63	1148728	211.01	ug/kg	99
52) dibromomethane	10.602	93	619334	207.26	ug/kg	98
53) bromodichloromethane	10.716	83	1457469	211.26	ug/kg	100
54) Methylcyclohexane	11.181	83	1830838	215.59	ug/kg	97
55) 2-chloroethyl vinyl ether	11.087	63	472298	220.35	ug/kg	99
56) methyl methacrylate	10.804	69	667959	228.68	ug/kg	92
57) 1,4-dioxane	10.811	88	46531	1153.33	ug/kg	82
58) cis-1,3-dichloropropene	11.336	75	1794529	220.26	ug/kg	98
60) 4-methyl-2-pentanone	11.424	43	1164744	191.80	ug/kg	98
61) toluene	12.117	92	3055617	246.77	ug/kg	100
62) trans-1,3-dichloropropene	11.754	75	1500348	223.40	ug/kg	96
63) 1,1,2-trichloroethane	11.929	83	771993	211.66	ug/kg	95
64) ethyl methacrylate	12.124	69	1451585	248.82	ug/kg	96
66) tetrachloroethene	12.858	166	1028886	176.83	ug/kg	97
67) 1,3-dichloropropane	12.165	76	1606849	189.68	ug/kg	100
68) dibromochloromethane	12.461	129	1205308	190.07	ug/kg	98
69) 1,2-dibromoethane	12.717	107	1000321	182.87	ug/kg	98
70) 2-hexanone	12.279	43	1037566	155.66	ug/kg	99
71) chlorobenzene	13.545	112	3442279	194.22	ug/kg	97
72) 1,1,1,2-tetrachloroethane	13.465	131	1187570	193.49	ug/kg	98
73) ethylbenzene	13.714	91	5702729	198.93	ug/kg	98
74) m,p-xylene	13.903	106	5127793	436.86	ug/kg	96
75) o-xylene	14.313	106	2605488	223.40	ug/kg	95
76) styrene	14.239	104	3789925	212.70	ug/kg	98
77) bromoform	14.071	173	735421	201.69	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.462	53	414221	183.78	ug/kg	92
80) isopropylbenzene	14.677	105	6569800	200.65	ug/kg	97
82) bromobenzene	14.967	156	1516268	198.08	ug/kg	97
83) 1,1,2,2-tetrachloroethane	14.320	83	1541143	188.62	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	1529288	185.09	ug/kg	99
85) n-propylbenzene	15.122	91	7451182	193.31	ug/kg	96
86) 2-chlorotoluene	15.243	91	4364445	195.16	ug/kg	97
87) 4-chlorotoluene	15.317	91	4401027	197.37	ug/kg	97
88) 1,3,5-trimethylbenzene	15.398	105	5744824	210.21	ug/kg	96
89) tert-butylbenzene	15.708	91	3123079	204.97	ug/kg	90
90) 1,2,4-trimethylbenzene	15.809	105	5697208	213.02	ug/kg	98
91) sec-butylbenzene	15.930	105	7850031	209.89	ug/kg	96
92) 1,3-dichlorobenzene	16.038	146	3350938	210.74	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58643.D
Acq On : 21 Aug 2013 6:07 pm
Operator : krystend
Sample : IC2022-200
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 22 08:39:10 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:08 2013
Response via : Initial Calibration

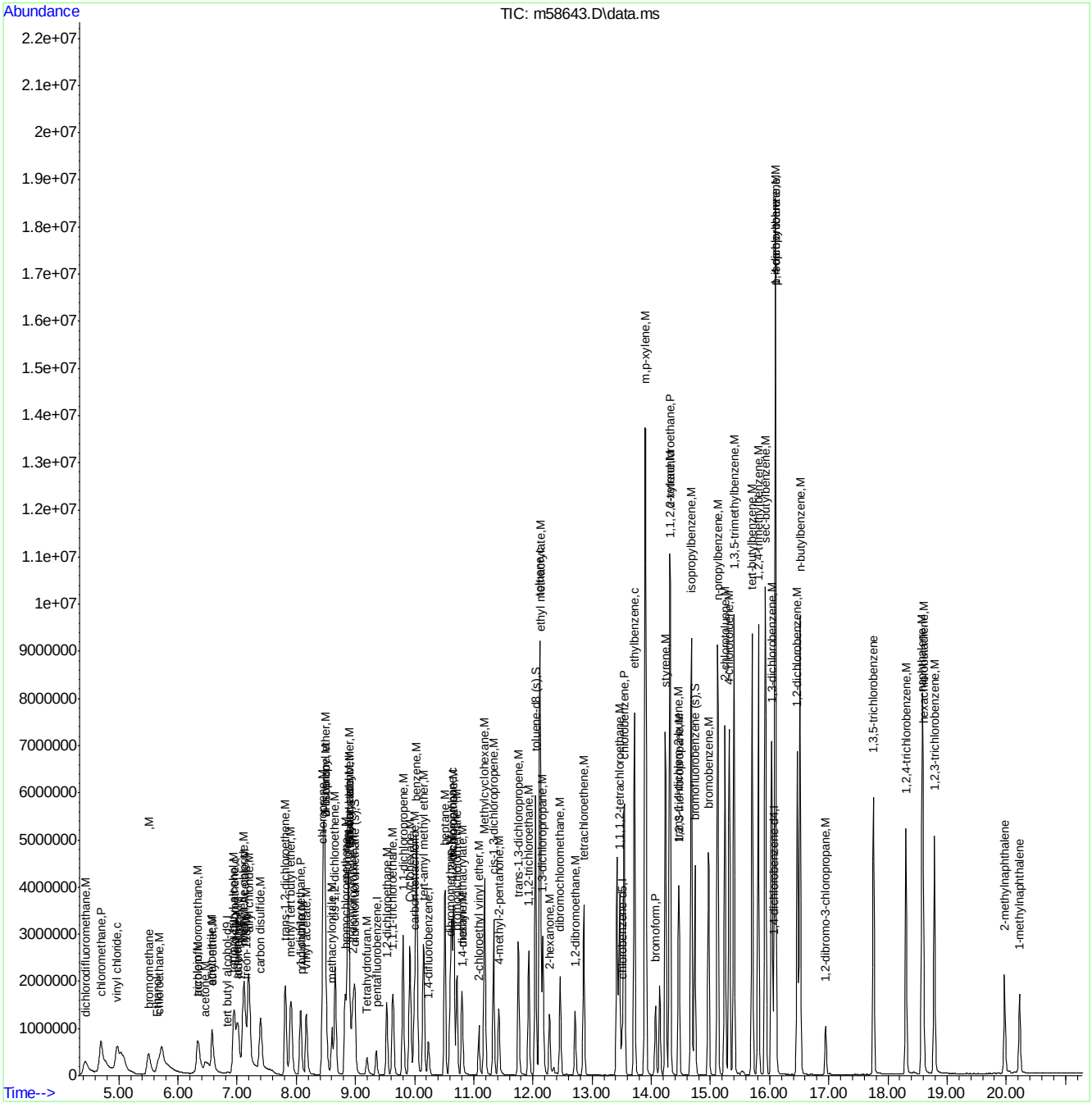
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	6486059	222.25	ug/kg	97
94) 1,4-dichlorobenzene	16.099	146	3630141	218.27	ug/kg	98
95) 1,2-dichlorobenzene	16.469	146	3077761	201.96	ug/kg	99
96) n-butylbenzene	16.516	91	5701721	193.40	ug/kg	96
97) 1,2-dibromo-3-chloropr...	16.947	75	250493	146.58	ug/kg	98
98) 1,3,5-trichlorobenzene	17.756	180	1877473	181.53	ug/kg	100
99) 1,2,4-trichlorobenzene	18.308	180	1733939	179.26	ug/kg	100
100) hexachlorobutadiene	18.598	225	963373	194.70	ug/kg	99
101) naphthalene	18.578	128	5301886	213.23	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	1719504	186.32	ug/kg	96
103) 2-methylnaphthalene	19.972	142	1245815	93.60	ug/kg	99
104) 1-methylnaphthalene	20.228	TIC	3807135	51.60	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58643.D
Acq On : 21 Aug 2013 6:07 pm
Operator : krystend
Sample : IC2022-200
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 22 08:39:10 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:08 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58644.D
Acq On : 21 Aug 2013 6:36 pm
Operator : krystend
Sample : IC2022-400
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 22 08:30:13 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:45 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	194853	500.00	ug/kg	0.00
4) pentafluorobenzene		9.356	168	450140	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.238	114	790850	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	502580	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.078	152	462629	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	2775230	488.21	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	976.42%#		
59) toluene-d8 (s)		12.043	98	10389464	507.58	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	1015.16%#		
81) bromofluorobenzene (s)		14.738	95	3870385	429.46	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	858.92%#		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	2015975	3835.51	ug/kg	97
3) Ethanol		5.657	45	2095204	48095.55	ug/kg	97
5) dichlorodifluoromethane		4.431	85	2097448	322.40	ug/kg	99
6) chloromethane		4.701	50	3085778	303.69	ug/kg	96
7) vinyl chloride		4.977	62	3776871	320.92	ug/kg	96
8) bromomethane	...	5.502	96	1806369m	337.32	ug/kg	
9) chloroethane		5.684	64	1279011m	339.13	ug/kg	
10) ethyl ether		6.580	59	1707389	393.94	ug/kg	93
11) acetonitrile		6.580	41	594613	438.56	ug/kg	92
12) trichlorofluoromethane		6.344	101	3356159	358.71	ug/kg	98
13) freon-113		7.153	101	1737455	356.73	ug/kg	94
14) acrolein		6.324	56	688875	2231.33	ug/kg	99
15) 1,1-dichloroethene		6.951	96	1994836	375.58	ug/kg	92
16) acetone		6.459	58	349261	314.99	ug/kg	89
17) Methyl Acetate		7.119	43	3091878	429.52	ug/kg	98
18) methylene chloride		7.106	84	2093191m	375.42	ug/kg	
19) methyl tert butyl ether		7.914	73	5165901	381.58	ug/kg	96
20) acrylonitrile		6.991	53	905375	409.69	ug/kg	92
21) allyl chloride		7.200	41	3874909	368.07	ug/kg	99
22) trans-1,2-dichloroethene		7.813	96	2350174	384.16	ug/kg	96
23) iodomethane		7.018	142	4164244	420.26	ug/kg	100
24) carbon disulfide		7.395	76	6641329	371.79	ug/kg	99
25) propionitrile		8.076	54	323884	444.68	ug/kg	100
26) vinyl acetate		8.170	43	5460080	455.87	ug/kg	98
27) chloroprene		8.446	53	3703626	404.15	ug/kg	94
28) di-isopropyl ether		8.487	45	8890328	404.72	ug/kg	94
29) methacrylonitrile		8.601	41	1477167	397.53	ug/kg	95
30) 2-butanone		8.487	72	376202	399.16	ug/kg#	34
31) 1,1-dichloroethane		8.076	63	3766167	381.23	ug/kg	97
32) tert-butyl ethyl ether		8.891	59	6625255	407.35	ug/kg	98
33) isobutyl alcohol		8.897	43	1460827	1747.79	ug/kg	91
34) 2,2-dichloropropane		8.958	77	2349805	350.26	ug/kg	99
35) cis-1,2-dichloroethene		8.655	96	2827810	414.55	ug/kg	94
36) ethyl acetate		8.897	43	1478167	352.20	ug/kg	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58644.D
Acq On : 21 Aug 2013 6:36 pm
Operator : krystend
Sample : IC2022-400
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 22 08:30:13 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	1340994	443.49	ug/kg#	85
38) chloroform	8.871	83	4239773	418.35	ug/kg	92
40) Tetrahydrofuran	9.194	42	757784	329.54	ug/kg	95
41) 1,1,1-trichloroethane	9.632	97	3064286	365.58	ug/kg	96
43) Cyclohexane	9.921	56	3482030	351.58	ug/kg	99
44) carbon tetrachloride	10.002	117	3262121	404.29	ug/kg	98
45) 1,1-dichloropropene	9.807	75	3197941	393.39	ug/kg	97
46) benzene	10.036	78	9782991	383.32	ug/kg	100
47) 1,2-dichloroethane	9.531	62	3011398	372.43	ug/kg	97
48) tert-amyl methyl ether	10.150	73	5253965	381.10	ug/kg	97
49) heptane	10.514	43	4149356	383.39	ug/kg	97
50) trichloroethene	10.662	95	2770519	413.44	ug/kg	91
51) 1,2-dichloropropane	10.629	63	2695818	410.49	ug/kg	98
52) dibromomethane	10.602	93	1501013	417.50	ug/kg	94
53) bromodichloromethane	10.716	83	3398567	408.29	ug/kg	99
54) Methylcyclohexane	11.181	83	4095699	398.50	ug/kg	97
55) 2-chloroethyl vinyl ether	11.087	63	1135994	436.46	ug/kg	98
56) methyl methacrylate	10.797	69	1598771	448.12	ug/kg	93
57) 1,4-dioxane	10.804	88	109008	2201.10	ug/kg	95
58) cis-1,3-dichloropropene	11.336	75	4248303	429.42	ug/kg	96
60) 4-methyl-2-pentanone	11.424	43	2714782	375.70	ug/kg	97
61) toluene	12.117	92	7116960	464.68	ug/kg	97
62) trans-1,3-dichloropropene	11.754	75	3536232	432.67	ug/kg	92
63) 1,1,2-trichloroethane	11.929	83	1846733	419.53	ug/kg	96
64) ethyl methacrylate	12.124	69	3477700	481.25	ug/kg	96
66) tetrachloroethene	12.858	166	2632380	320.85	ug/kg	98
67) 1,3-dichloropropane	12.165	76	3695756	307.18	ug/kg	100
68) dibromochloromethane	12.461	129	3102479	344.40	ug/kg	98
69) 1,2-dibromoethane	12.717	107	2402465	310.77	ug/kg	99
70) 2-hexanone	12.279	43	2223796	240.81	ug/kg	99
71) chlorobenzene	13.546	112	8423704	333.56	ug/kg	95
72) 1,1,1,2-tetrachloroethane	13.465	131	3010765	344.46	ug/kg	99
73) ethylbenzene	13.714	91	13272448	323.85	ug/kg	95
74) m,p-xylene	13.903	106	12252746	720.12	ug/kg#	60
75) o-xylene	14.313	106	6055193	356.91	ug/kg	93
76) styrene	14.239	104	8932377	347.23	ug/kg	100
77) bromoform	14.071	173	1945658	372.50	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.462	53	965761	302.99	ug/kg	96
80) isopropylbenzene	14.677	105	14971593	379.89	ug/kg	89
82) bromobenzene	14.974	156	3816127	414.94	ug/kg	85
83) 1,1,2,2-tetrachloroethane	14.320	83	3606993	369.94	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	3584832	364.51	ug/kg	99
85) n-propylbenzene	15.122	91	15905929	344.64	ug/kg	80
86) 2-chlorotoluene	15.243	91	10186323	379.91	ug/kg	94
87) 4-chlorotoluene	15.317	91	10067942	376.00	ug/kg	93
88) 1,3,5-trimethylbenzene	15.398	105	13317400	402.11	ug/kg	93
89) tert-butylbenzene	15.708	91	7436905	404.27	ug/kg	93
90) 1,2,4-trimethylbenzene	15.809	105	13284619	409.07	ug/kg	94
91) sec-butylbenzene	15.924	105	16533790	364.88	ug/kg	90
92) 1,3-dichlorobenzene	16.038	146	8142837	422.41	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58644.D
Acq On : 21 Aug 2013 6:36 pm
Operator : krystend
Sample : IC2022-400
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 22 08:30:13 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:45 2013
Response via : Initial Calibration

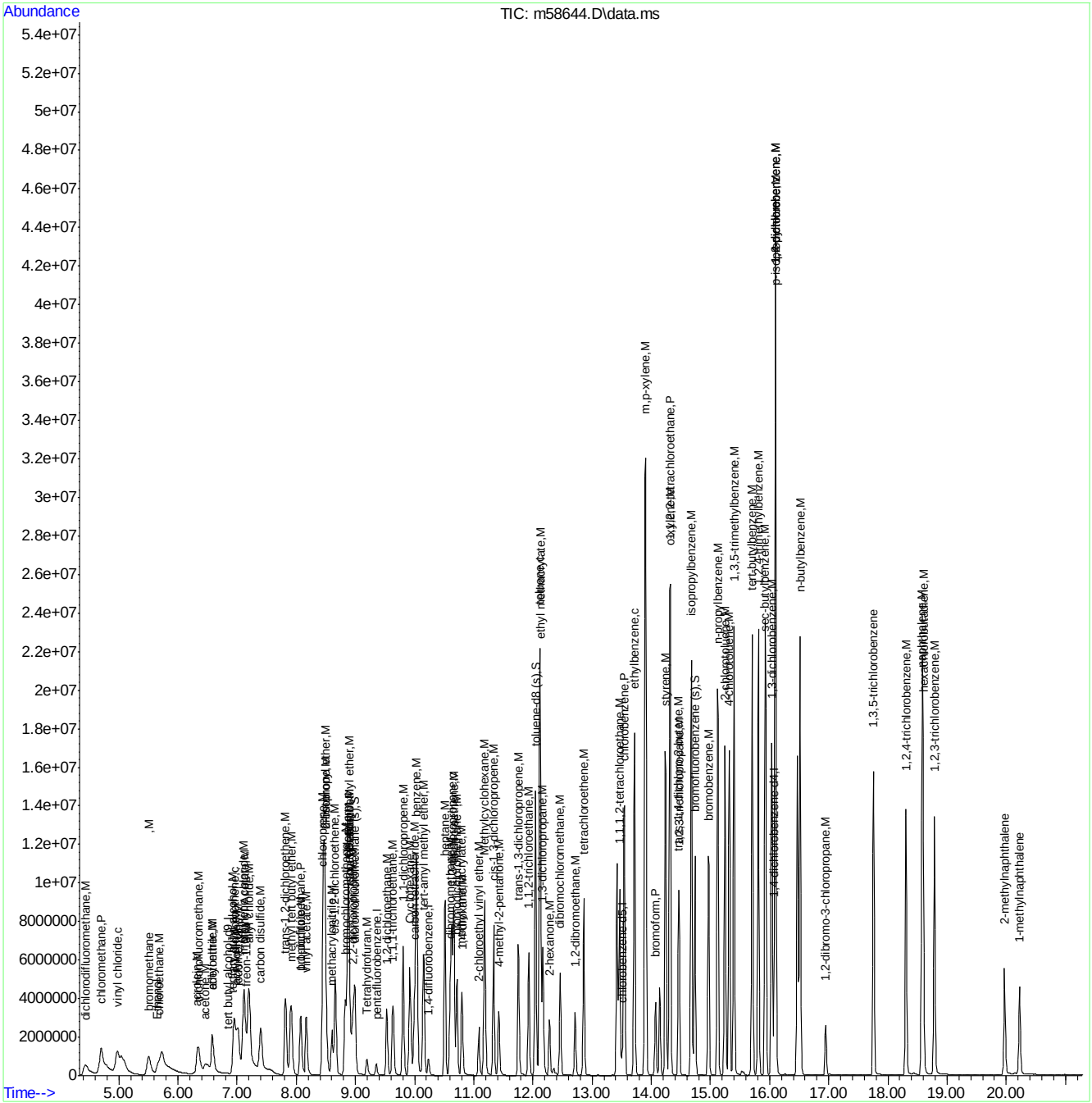
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	14904655	417.87	ug/kg	86
94)	1,4-dichlorobenzene	16.105	146	8925666	440.34	ug/kg	97
95)	1,2-dichlorobenzene	16.105	146	8987257	489.50	ug/kg	96
96)	n-butylbenzene	16.516	91	13140041	372.22	ug/kg	91
97)	1,2-dibromo-3-chloropr...	16.947	75	616936	311.97	ug/kg	94
98)	1,3,5-trichlorobenzene	17.756	180	5144047	418.93	ug/kg	99
99)	1,2,4-trichlorobenzene	18.308	180	4703433	410.24	ug/kg	100
100)	hexachlorobutadiene	18.598	225	2684090	452.61	ug/kg	100
101)	naphthalene	18.578	128	14262903	472.33	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	4636056	421.68	ug/kg	96
103)	2-methylnaphthalene	19.972	142	3271194	206.17	ug/kg	99
104)	1-methylnaphthalene	20.228	TIC	9528647	115.32	ug/kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58644.D
Acq On : 21 Aug 2013 6:36 pm
Operator : krystend
Sample : IC2022-400
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 22 08:30:13 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:45 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58647.D
Acq On : 21 Aug 2013 8:04 pm
Operator : krystend
Sample : ICV2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 22 08:42:41 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.836	65	169879	500.00	ug/kg	-0.01
4) pentafluorobenzene		9.349	168	348434	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	593147	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	266098	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.078	152	279736	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	215604	48.34	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 96.68%			
59) toluene-d8 (s)		12.043	98	746048	47.67	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 95.34%			
81) bromofluorobenzene (s)		14.738	95	257294	47.36	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 94.72%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	314181	689.16	ug/kg	95
3) Ethanol		5.644	45	185479	4133.98	ug/kg	95
5) dichlorodifluoromethane		4.424	85	303384	61.74	ug/kg	99
6) chloromethane		4.687	50	479044	62.80	ug/kg	98
7) vinyl chloride		4.963	62	377845m	42.53	ug/kg	
8) bromomethane	...	5.502	96	218727	53.80	ug/kg	100
9) chloroethane		5.671	64	160747	56.29	ug/kg	97
10) ethyl ether		6.573	59	180761	53.98	ug/kg	97
11) acetonitrile		6.573	41	48541	47.49	ug/kg	96
12) trichlorofluoromethane		6.331	101	357635m	49.98	ug/kg	
13) freon-113		7.146	101	226923	61.11	ug/kg	98
14) acrolein		6.324	56	113661	440.82	ug/kg	96
15) 1,1-dichloroethene		6.944	96	234174	57.40	ug/kg	95
16) acetone		6.472	58	35940	46.72	ug/kg#	77
17) Methyl Acetate		7.132	43	244435	43.47	ug/kg	94
18) methylene chloride		7.099	84	245917m	50.63	ug/kg	
19) methyl tert butyl ether		7.907	73	566228	54.37	ug/kg	99
20) acrylonitrile		7.004	53	91901	53.54	ug/kg	91
21) allyl chloride		7.193	41	425190	52.70	ug/kg	98
22) trans-1,2-dichloroethene		7.813	96	245658	52.18	ug/kg	97
23) iodomethane		7.011	142	431885	55.96	ug/kg	98
24) carbon disulfide		7.388	76	781066	56.99	ug/kg	98
25) propionitrile		8.156	54	31207	54.48	ug/kg	100
26) vinyl acetate		8.170	43	381692	39.03	ug/kg	99
27) chloroprene		8.446	53	405732	57.12	ug/kg	99
28) di-isopropyl ether		8.480	45	871390	51.17	ug/kg	97
29) methacrylonitrile		8.601	41	142451	49.56	ug/kg	98
30) 2-butanone		8.493	72	35263	44.70	ug/kg#	32
31) 1,1-dichloroethane		8.069	63	445499	58.60	ug/kg	98
32) tert-butyl ethyl ether		8.884	59	698734	55.37	ug/kg	99
33) isobutyl alcohol		8.884	43	178064	279.78	ug/kg	91
34) 2,2-dichloropropane		8.951	77	297815	58.27	ug/kg	100
35) cis-1,2-dichloroethene		8.655	96	265225	50.02	ug/kg	97
36) ethyl acetate		8.884	43	169102	52.65	ug/kg	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58647.D
Acq On : 21 Aug 2013 8:04 pm
Operator : krystend
Sample : ICV2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 22 08:42:41 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	134925	56.87	ug/kg	97
38) chloroform	8.864	83	439636	55.72	ug/kg	98
40) Tetrahydrofuran	9.194	42	83642	50.18	ug/kg	97
41) 1,1,1-trichloroethane	9.632	97	375107	58.44	ug/kg	97
43) Cyclohexane	9.914	56	390330	53.34	ug/kg	96
44) carbon tetrachloride	10.002	117	351442	57.98	ug/kg	98
45) 1,1-dichloropropene	9.807	75	323349	53.13	ug/kg	99
46) benzene	10.029	78	965583	50.67	ug/kg	99
47) 1,2-dichloroethane	9.524	62	317441	52.79	ug/kg	99
48) tert-amyl methyl ether	10.150	73	562333	54.69	ug/kg	98
49) heptane	10.507	43	407150	50.42	ug/kg	100
50) trichloroethene	10.655	95	250901	49.73	ug/kg	99
51) 1,2-dichloropropane	10.622	63	253146	51.21	ug/kg	100
52) dibromomethane	10.602	93	159676	58.88	ug/kg	99
53) bromodichloromethane	10.709	83	335264	53.55	ug/kg	99
54) Methylcyclohexane	11.181	83	421581	54.70	ug/kg	98
55) 2-chloroethyl vinyl ether	11.087	63	90377	45.76	ug/kg	99
56) methyl methacrylate	10.804	69	150149	55.27	ug/kg	94
57) 1,4-dioxane	10.810	88	11261	270.06	ug/kg#	63
58) cis-1,3-dichloropropene	11.336	75	373879	49.92	ug/kg	99
60) 4-methyl-2-pentanone	11.423	43	272672	50.68	ug/kg	99
61) toluene	12.117	92	609992	52.04	ug/kg	99
62) trans-1,3-dichloropropene	11.753	75	334781	54.05	ug/kg	100
63) 1,1,2-trichloroethane	11.929	83	175214	52.74	ug/kg	99
64) ethyl methacrylate	12.124	69	292756	51.05	ug/kg	98
66) tetrachloroethene	12.858	166	241322	56.80	ug/kg	98
67) 1,3-dichloropropane	12.164	76	334352	54.02	ug/kg	99
68) dibromochloromethane	12.461	129	263738	56.27	ug/kg	98
69) 1,2-dibromoethane	12.717	107	222008	55.79	ug/kg	99
70) 2-hexanone	12.286	43	216488	44.16	ug/kg	99
71) chlorobenzene	13.545	112	681010	52.01	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.464	131	247166	54.35	ug/kg	97
73) ethylbenzene	13.714	91	1157180	54.63	ug/kg	99
74) m,p-xylene	13.902	106	943772	106.09	ug/kg	99
75) o-xylene	14.313	106	465934	52.58	ug/kg	99
76) styrene	14.239	104	705424	52.66	ug/kg	96
77) bromoform	14.071	173	167424	61.07	ug/kg	100
78) trans-1,4-dichloro-2-b...	14.461	53	89048	54.42	ug/kg	97
80) isopropylbenzene	14.677	105	1201019	50.72	ug/kg	99
82) bromobenzene	14.973	156	289397	51.80	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.320	83	314422	53.84	ug/kg	100
84) 1,2,3-trichloropropane	14.468	75	322765	54.89	ug/kg	97
85) n-propylbenzene	15.122	91	1368254	49.89	ug/kg	99
86) 2-chlorotoluene	15.243	91	796770	49.46	ug/kg	100
87) 4-chlorotoluene	15.317	91	798447	49.75	ug/kg	98
88) 1,3,5-trimethylbenzene	15.398	105	1016319	50.72	ug/kg	100
89) tert-butylbenzene	15.708	91	561796	50.44	ug/kg	100
90) 1,2,4-trimethylbenzene	15.809	105	995613	50.56	ug/kg	99
91) sec-butylbenzene	15.930	105	1368000	50.48	ug/kg	100
92) 1,3-dichlorobenzene	16.038	146	559210	47.64	ug/kg	99

ACCUTEST LABORATORIES MC23735

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58647.D
Acq On : 21 Aug 2013 8:04 pm
Operator : krystend
Sample : ICV2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 22 08:42:41 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

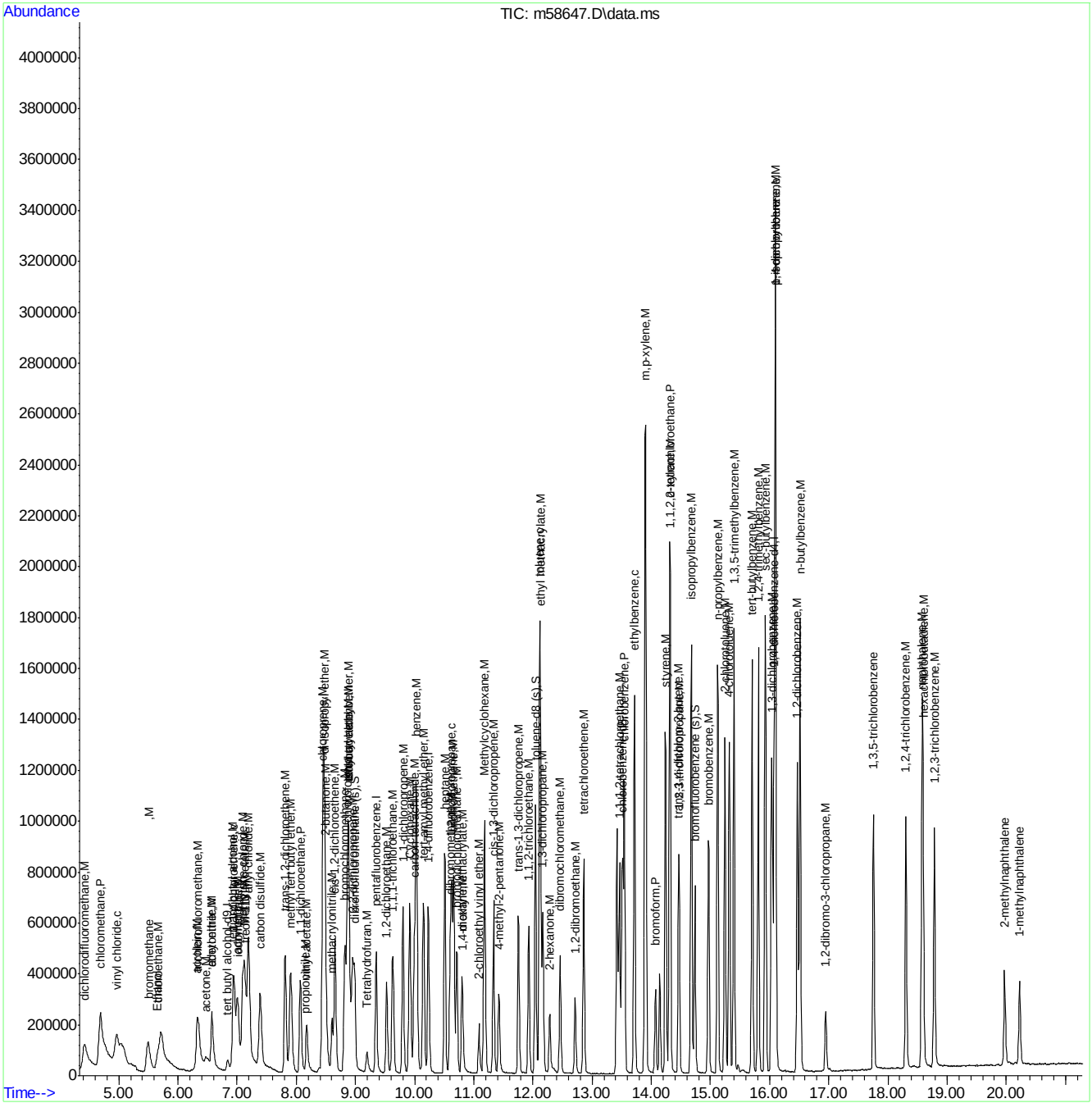
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.098	119	1181707	54.49	ug/kg	100
94)	1,4-dichlorobenzene	16.098	146	637716	51.46	ug/kg	99
95)	1,2-dichlorobenzene	16.469	146	545723	47.82	ug/kg	100
96)	n-butylbenzene	16.516	91	1084572	51.25	ug/kg	97
97)	1,2-dibromo-3-chloropr...	16.947	75	58334	57.88	ug/kg	94
98)	1,3,5-trichlorobenzene	17.756	180	326013	43.66	ug/kg	99
99)	1,2,4-trichlorobenzene	18.301	180	338889	48.73	ug/kg	99
100)	hexachlorobutadiene	18.598	225	176214	48.35	ug/kg	100
101)	naphthalene	18.577	128	945392	50.63	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	325071	48.57	ug/kg	95
103)	2-methylnaphthalene	19.979	142	237468	24.66	ug/kg	98
104)	1-methylnaphthalene	20.228	TIC	757045	24.37	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58647.D
Acq On : 21 Aug 2013 8:04 pm
Operator : krystend
Sample : ICV2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 22 08:42:41 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/29/13 09:36

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58807.D
Acq On : 28 Aug 2013 4:11 pm
Operator : krystend
Sample : cc2022-50
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 16:37:06 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	145715	500.00	ug/kg	0.00
4) pentafluorobenzene		9.355	168	377877	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	639144	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	282000	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.071	152	315425	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	198170	40.97	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 81.94%			
59) toluene-d8 (s)		12.043	98	708904	42.04	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 84.08%			
81) bromofluorobenzene (s)		14.738	95	256515	41.87	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 83.74%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	207993	531.90	ug/kg	90
3) Ethanol		5.677	45	196348	5085.94	ug/kg	100
5) dichlorodifluoromethane		4.431	85	320954	60.23	ug/kg	97
6) chloromethane		4.694	50	414462	50.10	ug/kg	100
7) vinyl chloride		4.970	62	439606	45.62	ug/kg	99
8) bromomethane	...	5.495	96	209005	47.40	ug/kg	99
9) chloroethane		5.677	64	153592m	49.59	ug/kg	
10) ethyl ether		6.580	59	182705	50.31	ug/kg	96
11) acetonitrile		6.580	41	58075	51.88	ug/kg	88
12) trichlorofluoromethane		6.344	101	412374	53.14	ug/kg	96
13) freon-113		7.152	101	215865	53.60	ug/kg	96
14) acrolein		6.344	56	74756	271.78	ug/kg	95
15) 1,1-dichloroethene		6.950	96	232502	52.55	ug/kg	82
16) acetone		6.486	58	47526	56.97	ug/kg#	73
17) Methyl Acetate		7.132	43	293011	48.05	ug/kg	99
18) methylene chloride		7.112	84	271858	51.61	ug/kg	88
19) methyl tert butyl ether		7.907	73	544137	48.18	ug/kg	98
20) acrylonitrile		7.011	53	88546	47.57	ug/kg	93
21) allyl chloride		7.200	41	411264	47.00	ug/kg	100
22) trans-1,2-dichloroethene		7.819	96	258773	50.68	ug/kg	94
23) iodomethane		7.018	142	455618	54.43	ug/kg	99
24) carbon disulfide		7.395	76	793080	53.36	ug/kg	100
25) propionitrile		8.156	54	31581	50.84	ug/kg	100
26) vinyl acetate		8.176	43	526050	49.60	ug/kg	99
27) chloroprene		8.446	53	378054	49.08	ug/kg	99
28) di-isopropyl ether		8.486	45	885642	47.96	ug/kg	96
29) methacrylonitrile		8.608	41	138225	44.35	ug/kg	95
30) 2-butanone		8.507	72	37232	43.43	ug/kg#	73
31) 1,1-dichloroethane		8.075	63	407367	49.41	ug/kg	98
32) tert-butyl ethyl ether		8.890	59	668789	48.87	ug/kg	98
33) isobutyl alcohol		8.884	43	183021	265.17	ug/kg	98
34) 2,2-dichloropropane		8.958	77	273310	49.31	ug/kg	100
35) cis-1,2-dichloroethene		8.661	96	287396	49.97	ug/kg	92
36) ethyl acetate		8.884	43	183124	52.57	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58807.D
Acq On : 28 Aug 2013 4:11 pm
Operator : krystend
Sample : cc2022-50
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 16:37:06 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	134675	52.35	ug/kg	88
38) chloroform	8.864	83	420822	49.18	ug/kg	98
40) Tetrahydrofuran	9.200	42	73715	40.78	ug/kg	97
41) 1,1,1-trichloroethane	9.631	97	353437	50.78	ug/kg	96
43) Cyclohexane	9.921	56	397428	50.40	ug/kg	98
44) carbon tetrachloride	10.002	117	341653	52.31	ug/kg	97
45) 1,1-dichloropropene	9.807	75	333426	50.84	ug/kg	98
46) benzene	10.036	78	1005228	48.95	ug/kg	99
47) 1,2-dichloroethane	9.530	62	315577	48.70	ug/kg	97
48) tert-amyl methyl ether	10.150	73	544447	49.14	ug/kg	97
49) heptane	10.514	43	445733	51.23	ug/kg	98
50) trichloroethene	10.662	95	274960	50.57	ug/kg	95
51) 1,2-dichloropropane	10.622	63	263747	49.52	ug/kg	99
52) dibromomethane	10.602	93	148415	50.79	ug/kg	97
53) bromodichloromethane	10.716	83	343789	50.96	ug/kg	96
54) Methylcyclohexane	11.181	83	432784	52.11	ug/kg	97
55) 2-chloroethyl vinyl ether	11.087	63	98925	46.49	ug/kg	98
56) methyl methacrylate	10.804	69	147116	50.25	ug/kg	96
57) 1,4-dioxane	10.804	88	10518	233.48	ug/kg	98
58) cis-1,3-dichloropropene	11.336	75	407642	50.51	ug/kg	98
60) 4-methyl-2-pentanone	11.423	43	261001	45.02	ug/kg	99
61) toluene	12.117	92	650239	51.48	ug/kg	97
62) trans-1,3-dichloropropene	11.753	75	337398	50.55	ug/kg	96
63) 1,1,2-trichloroethane	11.929	83	182627	51.01	ug/kg	96
64) ethyl methacrylate	12.131	69	295716	47.86	ug/kg	95
66) tetrachloroethene	12.858	166	242620	53.89	ug/kg	97
67) 1,3-dichloropropane	12.164	76	342217	52.17	ug/kg	100
68) dibromochloromethane	12.461	129	288000	57.98	ug/kg	99
69) 1,2-dibromoethane	12.717	107	232510	55.14	ug/kg	100
70) 2-hexanone	12.286	43	225317	43.37	ug/kg	99
71) chlorobenzene	13.545	112	777867	56.06	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.464	131	272590	56.56	ug/kg	99
73) ethylbenzene	13.714	91	1219463	54.32	ug/kg	98
74) m,p-xylene	13.902	106	1042303	110.55	ug/kg	98
75) o-xylene	14.313	106	522841	55.67	ug/kg	94
76) styrene	14.239	104	772496	54.42	ug/kg	99
77) bromoform	14.071	173	165967	57.12	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.461	53	85620	49.37	ug/kg	94
80) isopropylbenzene	14.677	105	1357415	50.84	ug/kg	99
82) bromobenzene	14.973	156	316632	50.26	ug/kg	93
83) 1,1,2,2-tetrachloroethane	14.320	83	309633	47.02	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	319092	48.12	ug/kg	97
85) n-propylbenzene	15.122	91	1539139	49.77	ug/kg	97
86) 2-chlorotoluene	15.243	91	909529	50.07	ug/kg	97
87) 4-chlorotoluene	15.317	91	901902	49.84	ug/kg	95
88) 1,3,5-trimethylbenzene	15.398	105	1150473	50.92	ug/kg	97
89) tert-butylbenzene	15.708	91	624111	49.69	ug/kg	94
90) 1,2,4-trimethylbenzene	15.809	105	1139726	51.33	ug/kg	98
91) sec-butylbenzene	15.930	105	1563231	51.16	ug/kg	99
92) 1,3-dichlorobenzene	16.038	146	670540	50.66	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58807.D
Acq On : 28 Aug 2013 4:11 pm
Operator : krystend
Sample : cc2022-50
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 16:37:06 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

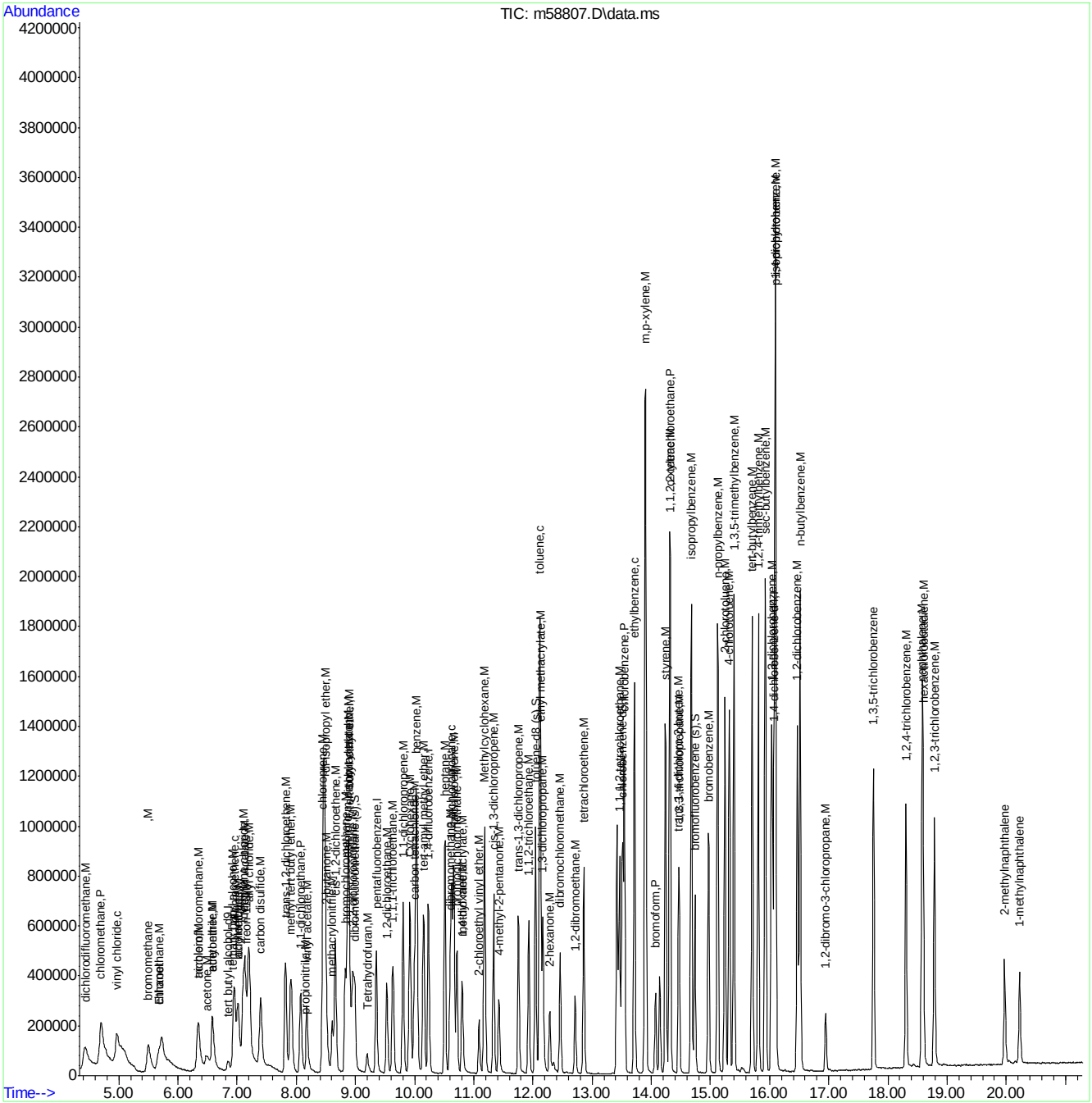
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.098	119	1240516	50.73	ug/kg	99
94) 1,4-dichlorobenzene	16.105	146	697866	49.94	ug/kg	97
95) 1,2-dichlorobenzene	16.469	146	644431	50.08	ug/kg	98
96) n-butylbenzene	16.516	91	1186170	49.71	ug/kg	99
97) 1,2-dibromo-3-chloropr...	16.947	75	56739	49.14	ug/kg	98
98) 1,3,5-trichlorobenzene	17.756	180	403591	47.93	ug/kg	99
99) 1,2,4-trichlorobenzene	18.308	180	368147	46.95	ug/kg	100
100) hexachlorobutadiene	18.598	225	189868	46.20	ug/kg	98
101) naphthalene	18.577	128	1029585	48.90	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	357038	47.31	ug/kg	98
103) 2-methylnaphthalene	19.972	142	265311	24.43	ug/kg	98
104) 1-methylnaphthalene	20.228	TIC	872713	24.97	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58807.D
Acq On : 28 Aug 2013 4:11 pm
Operator : krystend
Sample : cc2022-50
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

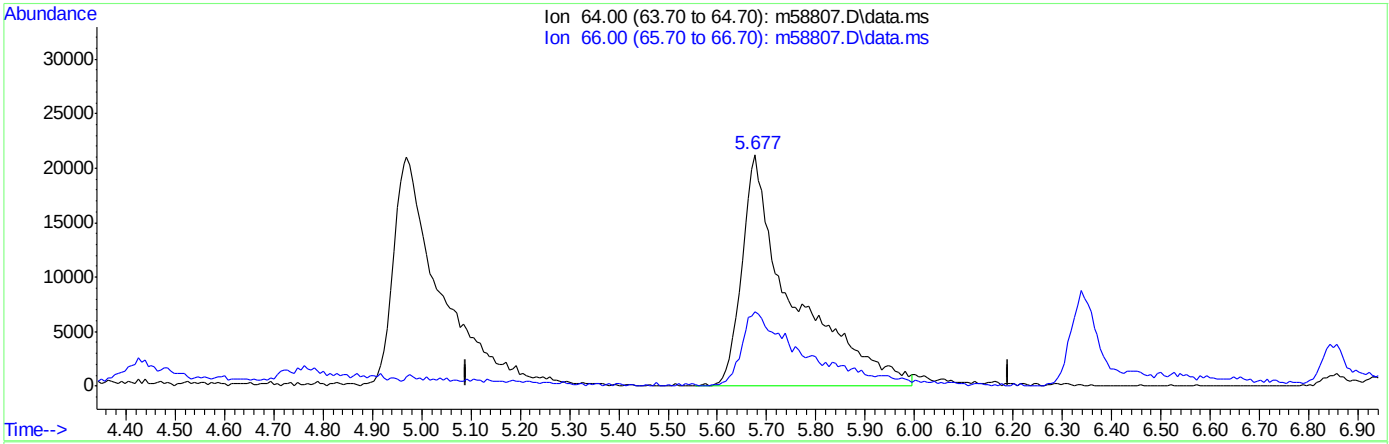
Quant Time: Aug 28 16:37:06 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

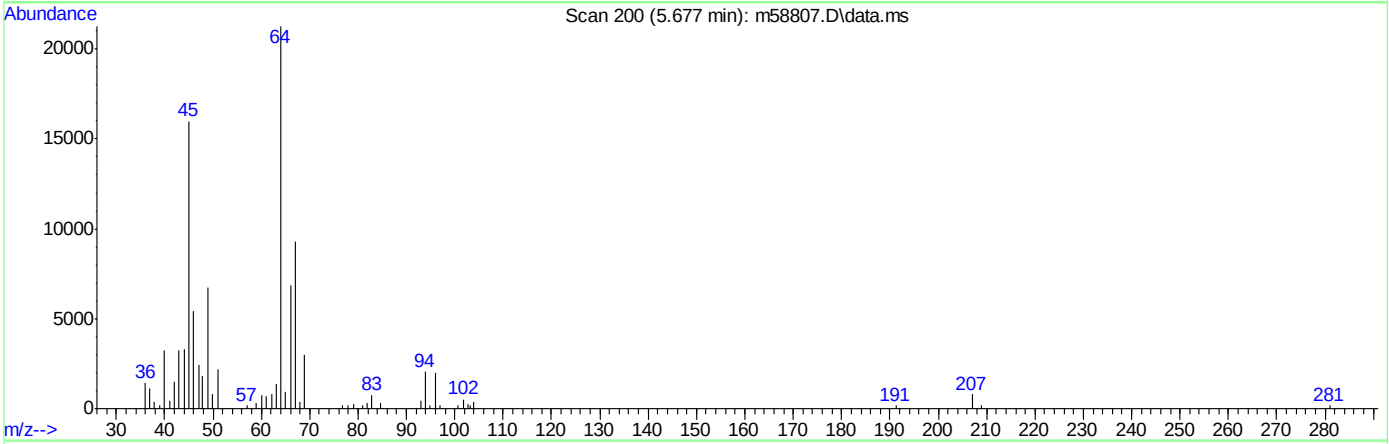


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130828.S\
Data File : m58807.D
Acq On : 28 Aug 2013 4:11 pm
Operator : krystend
Sample : cc2022-50
Misc : MS29769,MSM2028,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 16:36:33 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m58807.D\data.ms

(9) chloroethane (M)

5.677min (+0.006) 49.59ug/kg m

response 153592

Ion	Exp%	Act%
64.00	100	100
66.00	31.60	32.18
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC23735

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9347	8260CC (1)	200ug/mL
344	BS (2)	200
330	IS	250
307	SS	200

Daily Saved File

Tune file 1:	M58633
Tune file 2:	
Initial Cal:	8/21/13
ID File:	M130821S.M
ICAL Verified:	KD
Sequence verified:	KR

Date: 8/21/13

Batch ID: MSM2022

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M58625	blank	NA	NA	8260	1	NA	NA	NA	NA	NA	-
26	blank	1		Low	2						-
27	blank	↓		Soil	3						-
28	test 0.5	1		Curve	4						OK
29	test 5	1			5						OK
30	test 400	↓			6						OK
31	blank	NA			7						-
32	blank	1			8						-
33	bfb	1			9						✓✓
34	blank	↓			10						-
35	IC2022-2	1			11						
36	-0.5				12						✓✓
37	-2				13						✓✓
38	-5				14						✓✓
39	-10				15						✓✓
40	-20				16						✓✓
41	ICC2022-50				17						✓✓
42	IC2022-100				18						✓✓
43	-200				19						✓✓
44	-400	↓			20						✓✓
45	blank	NA			21						
46	blank	↓			22						
47	ICV2022-50	2			23						✓✓
48	ICV2022-50	↓			24						
49	blank	NA			25						
50	blank	↓	↓	↓	26	↓	↓	↓	↓	↓	

8/21/13 KD

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

ACCUTEST LABORATORIES MC23735

Accutest Laboratories of New England, Inc.

Instrument: GCMS M

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9347	8260 CC	200ug/mL
↓ 44	↓ BS	200
↓ 49	↓ IS/SS	250

Daily Saved File

Tune file 1:	M58633
Tune file 2:	M58652
Initial Cal:	8/21/13
ID File:	M130821S.M
ICAL Verified:	KD
Sequence verified:	KD

Date: 8/22/13

Batch ID: MSM2022

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M58651	blank	NA	NA	NA	1	NA	NA	NA	NA	NA	-
52	CC2022-50	1			2						VV
53	BS	2			3						VV
54	blk	NA			4						-
55	mb	↓	↓	↓	5	↓	↓				VV
56	MC23682-1	11	MS29719	SL+	6	50	5.570				VV
57	-2	3			7		4.950				VV
58	-3	3			8		5.730				VV
59	MC23678-5	2		TCL	9		5.17				VV
60	MC23682-1MS	12		SL+	10		6.020				VV
61	-1MSD	8			11		6.120				VV
62	MC23527-1	3		RCP	12		5.870				Hold VV
63	-2	3			13		5.210				Time VV
64	-3	3			14		4.210				Today VV
65	MC23678-1	3		TCL	15		5.05				VV
66	-2	2			16		5.1				VV
67	MC23603-1	4		TCL+MTBE SPL, SPM	17		9.43				RR↓IS
68	-2	4			18		8.34				VV
69	-3	4			19		10.11				RR↓IS
70	-4	3			20		9.07				VV
71	-5	3			21		8.19				VV
72	-6	4			22		9.03				VV
73	-7	4			23		6.59				VV
74	MC23661-1	7		Std+MTBE	24		4.52				RR↓IS
75	-2	6			25		4.66				VV
76	blank	NA	NA	NA	26	NA	NA				-

8/22/13 KD

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:

36

7.7.3 7

7.7.1 7

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
M9347	8260 CC	200ug/mL
↓ 44	↓ BS	200 ↓
↓ 49	↓ IS/SS	250 ↓

Daily Saved File

Tune file 1:	M58807
Tune file 2:	NA
Initial Cal:	~~M~~ 8/21/13
ID File:	M13082'S.M
ICAL Verified:	KD
Sequence verified:	KD

Date: 8/28/13

Batch ID: MSM2028

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M58807	CC2022-50	2	NA	NA	18	NA	NA	NA	NA	NA	VV
08	BS	2			19						VV
09	iblk	NA			20						-
10	mb	NA			21						VV
11	MC23735-5	1	MS29769	TCL42+	22	50	5.263				20 tics! VV
12	-5MS	1			23		4.887				VV
13	-5MSD	1			24		4.923				VV
14	MC23733-1	3	MS29761	Std+MTBE	25		5.840				VV
15	-2	3			26		8.470				VV
16	-5	3			27		5.760				VV
17	-7	3			28		5.390				VV
18	-9	3			29		7.570				VV
19	-10	3			30		5.930				VV
20	-11	2			31		8.270				VV
21	-12	3			32		4.670				need CF VV
22	-13	2			33		3.970				VV
23	-14	2			34		4.530				VV
24	-15	2			35		4.310				need CF VV
25	MC23744-23	2		SL	36		6.2				VV
26	-25	3			37		7.82				VV
27	-29	2			38		6.52				need CF VV
28	-31	3			39		5.07				VV
29	MC23735-1	1	MS29769	TCL42+	40		4.963				VV
30	-2	1			41		4.792				VV
31	-4	1			42		4.960				VV
32	Blank	NA	NA	NA	43	NA	NA				-

8/28/13 KD

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review: _____

ACCUTEST LABORATORIES MC23735

New England ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: MC23735
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 690 South Aurora Street, Ithaca, NY

Sample: MC23735-1 **Analyzed:** 26-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: MW-08-7"-1.4'

Wet Weight (Total)	35.185	g
Tare Weight	20.194	g
Dry Weight (Total)	33.168	g
Solids, Percent	86.5	%

Sample: MC23735-2 **Analyzed:** 26-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: MW-09-6"-2.3'

Wet Weight (Total)	33.8	g
Tare Weight	25.067	g
Dry Weight (Total)	32.337	g
Solids, Percent	83.2	%

Sample: MC23735-4 **Analyzed:** 26-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: MW-11-5.5"-2'

Wet Weight (Total)	34.732	g
Tare Weight	18.968	g
Dry Weight (Total)	33.487	g
Solids, Percent	92.1	%

Sample: MC23735-5 **Analyzed:** 26-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: MW-12-1"-2.4'

Wet Weight (Total)	26.632	g
Tare Weight	19.348	g
Dry Weight (Total)	26.219	g
Solids, Percent	94.3	%

New England ACCUTEST LABORATORIES

10/28/13

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC23948

Sampling Dates: 08/26/13 - 08/27/13

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **320**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) ISO 17025:2005 (L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC23948

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC23948-1	08/26/13	11:27	ER	08/29/13	SO	Soil	LBA-SB-301-(2.5)
MC23948-2	08/26/13	13:50	ER	08/29/13	SO	Soil	LBA-MW-17-(5)
MC23948-3	08/26/13	16:20	ER	08/29/13	SO	Soil	LBA-MW-18-(1.9)
MC23948-4	08/27/13	09:50	ER	08/29/13	SO	Soil	LBA-MW-19-(0-1.9)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environmental & Energy **Job No** MC23948

Site: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, **Report Date** 9/6/2013 5:35:46 PM

4 Sample(s) were collected on between 08/26/2013 and 08/27/2013 and were received at Accutest on 08/29/2013 properly preserved, at 0.5 Deg. C and intact. These Samples received an Accutest job number of MC23948. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix SO **Batch ID:** MSM2033

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC23948-1MS, MC23948-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- MSM2033-BSD for Bromoform: Outside control limits. Associated samples are non-detect for this compound.
- Matrix Spike Recovery(s) for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Cyclohexane, Isopropylbenzene, Methylcyclohexane, Vinyl chloride, Xylene (total) are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Bromoform, Cyclohexane, Isopropylbenzene, Vinyl chloride are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- MSM2033-BSD for Tetrachloroethene: Outside control limits. Blank Spike meets program technical requirements.

Metals By Method SW846 6010C

Matrix SO **Batch ID:** MP21575

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23894-10MS, MC23894-10MSD, MC23894-10SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Cadmium are outside control limits for sample MP21575-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP21575-SD1 for Chromium: Serial dilution indicates possible matrix interference.

Metals By Method SW846 7471B

Matrix SO **Batch ID:** MP21586

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC23926-4MS, MC23926-4MSD were used as the QC samples for metals.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix SO **Batch ID:** GN44161

- Sample(s) MC23948-1DUP were used as the QC samples for Solids, Percent.

Wet Chemistry By Method SW846 9012 M

Matrix	SO	Batch ID:	GP16552

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC24047-1DUP, MC24047-1MS were used as the QC samples for Cyanide.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC23948).

Summary of Hits

Job Number: MC23948
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 08/26/13 thru 08/27/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC23948-1	**LBA-SB-301-(2.5)**					
Methylene chloride		2.6	2.1	1.7	ug/kg	SW846 8260B
Toluene		1.5 J	5.4	0.26	ug/kg	SW846 8260B
Xylene (total)		1.1 J	2.1	0.22	ug/kg	SW846 8260B
MC23948-2	**LBA-MW-17-(5)**					
Carbon disulfide		0.44 J	5.1	0.15	ug/kg	SW846 8260B
Methylene chloride		2.4	2.0	1.6	ug/kg	SW846 8260B
Tetrachloroethene		0.76 J	2.0	0.45	ug/kg	SW846 8260B
Toluene		0.79 J	5.1	0.25	ug/kg	SW846 8260B
Xylene (total)		0.37 J	2.0	0.21	ug/kg	SW846 8260B
MC23948-3	**LBA-MW-18-(1.9)**					
Arsenic		10.2	0.97	0.20	mg/kg	SW846 6010C
Barium		278	4.8	0.070	mg/kg	SW846 6010C
Cadmium		0.12 B	0.39	0.041	mg/kg	SW846 6010C
Chromium		18.4	0.97	0.092	mg/kg	SW846 6010C
Copper		9.5	2.4	0.54	mg/kg	SW846 6010C
Lead		14.0	0.97	0.16	mg/kg	SW846 6010C
Mercury		0.015 B	0.034	0.0098	mg/kg	SW846 7471B
Selenium		0.51 B	0.97	0.34	mg/kg	SW846 6010C
MC23948-4	**LBA-MW-19-(0-1.9)**					
Benzene		1.1	0.65	0.32	ug/kg	SW846 8260B
Carbon disulfide		1.0 J	6.5	0.20	ug/kg	SW846 8260B
Chloroform		0.73 J	2.6	0.37	ug/kg	SW846 8260B
1,1-Dichloroethane		0.81 J	2.6	0.43	ug/kg	SW846 8260B
cis-1,2-Dichloroethene		0.67 J	2.6	0.66	ug/kg	SW846 8260B
Ethylbenzene		0.79 J	2.6	0.23	ug/kg	SW846 8260B
Methylcyclohexane		0.69 J	6.5	0.28	ug/kg	SW846 8260B
Methylene chloride		8.0	2.6	2.0	ug/kg	SW846 8260B
Tetrachloroethene		1.3 J	2.6	0.57	ug/kg	SW846 8260B
Toluene		4.5 J	6.5	0.31	ug/kg	SW846 8260B
1,1,1-Trichloroethane		6.9	2.6	0.23	ug/kg	SW846 8260B
Trichloroethene		1.9 J	2.6	0.61	ug/kg	SW846 8260B
Xylene (total)		2.8	2.6	0.26	ug/kg	SW846 8260B
Total TIC, Volatile		10.7 J			ug/kg	
Arsenic		26.2	1.0	0.22	mg/kg	SW846 6010C
Barium		927	5.2	0.075	mg/kg	SW846 6010C
Cadmium		0.46	0.41	0.044	mg/kg	SW846 6010C
Chromium		16.4	1.0	0.098	mg/kg	SW846 6010C

Summary of Hits

Job Number: MC23948
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 08/26/13 thru 08/27/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Lead		88.5	1.0	0.17	mg/kg	SW846 6010C
Mercury		0.10	0.038	0.011	mg/kg	SW846 7471B
Silver		0.22 B	0.52	0.13	mg/kg	SW846 6010C

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@143132 13:27 28-Oct-2013

Report of Analysis

Client Sample ID:	LBA-SB-301-(2.5)		
Lab Sample ID:	MC23948-1	**Date Sampled:**	08/26/13
Matrix:	SO - Soil	**Date Received:**	08/29/13
Method:	SW846 8260B	**Percent Solids:**	96.5
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M58926.D	1	09/03/13	KD	n/a	n/a	MSM2033
Run #2							

	Initial Weight	Final Volume
Run #1	4.83 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	4.2	ug/kg	
71-43-2	Benzene	ND	0.54	0.27	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.39	ug/kg	
75-25-2	Bromoform	ND	2.1	0.31	ug/kg	
74-83-9	Bromomethane	ND	2.1	1.0	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.4	3.3	ug/kg	
75-15-0	Carbon disulfide	ND	5.4	0.16	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.1	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.29	ug/kg	
75-00-3	Chloroethane	ND	5.4	0.64	ug/kg	
67-66-3	Chloroform	ND	2.1	0.31	ug/kg	
74-87-3	Chloromethane	ND	5.4	1.3	ug/kg	
110-82-7	Cyclohexane	ND	5.4	0.28	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	2.2	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.46	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.1	0.61	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.1	0.22	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.1	0.24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.1	0.22	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.1	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.1	0.36	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.1	0.58	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.1	0.56	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.1	0.55	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.1	0.48	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.45	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.31	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.31	ug/kg	
100-41-4	Ethylbenzene	ND	2.1	0.19	ug/kg	
76-13-1	Freon 113	ND	5.4	0.98	ug/kg	
591-78-6	2-Hexanone	ND	5.4	2.6	ug/kg	
98-82-8	Isopropylbenzene	ND	5.4	0.30	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-SB-301-(2.5)		
Lab Sample ID:	MC23948-1	**Date Sampled:**	08/26/13
Matrix:	SO - Soil	**Date Received:**	08/29/13
Method:	SW846 8260B	**Percent Solids:**	96.5
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.4	3.0	ug/kg	
108-87-2	Methylcyclohexane	ND	5.4	0.23	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.1	0.43	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.4	2.0	ug/kg	
75-09-2	Methylene chloride	2.6	2.1	1.7	ug/kg	
100-42-5	Styrene	ND	5.4	0.22	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.32	ug/kg	
127-18-4	Tetrachloroethene	ND	2.1	0.47	ug/kg	
108-88-3	Toluene	1.5	5.4	0.26	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	0.39	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.19	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.37	ug/kg	
79-01-6	Trichloroethene	ND	2.1	0.51	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.1	1.1	ug/kg	
75-01-4	Vinyl chloride	ND	2.1	0.61	ug/kg	
1330-20-7	Xylene (total)	1.1	2.1	0.22	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		70-130%
2037-26-5	Toluene-D8	85%		70-130%
460-00-4	4-Bromofluorobenzene	90%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	LBA-MW-17-(5)		
Lab Sample ID:	MC23948-2	**Date Sampled:**	08/26/13
Matrix:	SO - Soil	**Date Received:**	08/29/13
Method:	SW846 8260B	**Percent Solids:**	89.9
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M58927.D	1	09/03/13	KD	n/a	n/a	MSM2033
Run #2							

	Initial Weight	Final Volume
Run #1	5.48 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.0	ug/kg	
71-43-2	Benzene	ND	0.51	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.37	ug/kg	
75-25-2	Bromoform	ND	2.0	0.30	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.99	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.1	3.1	ug/kg	
75-15-0	Carbon disulfide	0.44	5.1	0.15	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.1	0.61	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.1	1.2	ug/kg	
110-82-7	Cyclohexane	ND	5.1	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.23	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.21	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.34	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.55	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.53	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.52	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.43	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.30	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.1	0.93	ug/kg	
591-78-6	2-Hexanone	ND	5.1	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	5.1	0.28	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-17-(5)		
Lab Sample ID:	MC23948-2	**Date Sampled:**	08/26/13
Matrix:	SO - Soil	**Date Received:**	08/29/13
Method:	SW846 8260B	**Percent Solids:**	89.9
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.1	2.8	ug/kg	
108-87-2	Methylcyclohexane	ND	5.1	0.22	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.1	1.9	ug/kg	
75-09-2	Methylene chloride	2.4	2.0	1.6	ug/kg	
100-42-5	Styrene	ND	5.1	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.30	ug/kg	
127-18-4	Tetrachloroethene	0.76	2.0	0.45	ug/kg	J
108-88-3	Toluene	0.79	5.1	0.25	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	0.37	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.48	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	1.1	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.58	ug/kg	
1330-20-7	Xylene (total)	0.37	2.0	0.21	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	82%		70-130%
2037-26-5	Toluene-D8	82%		70-130%
460-00-4	4-Bromofluorobenzene	91%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-MW-18-(1.9)
Lab Sample ID: MC23948-3
Matrix: SO - Soil
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 08/26/13
Date Received: 08/29/13
Percent Solids: 88.2

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	10.2	0.97	0.20	mg/kg	1	09/03/13	09/03/13	EAL	SW846 6010C [1]	SW846 3050B [4]
Barium	278	4.8	0.070	mg/kg	1	09/03/13	09/04/13	EAL	SW846 6010C [3]	SW846 3050B [4]
Cadmium	0.12 B	0.39	0.041	mg/kg	1	09/03/13	09/03/13	EAL	SW846 6010C [1]	SW846 3050B [4]
Chromium	18.4	0.97	0.092	mg/kg	1	09/03/13	09/03/13	EAL	SW846 6010C [1]	SW846 3050B [4]
Copper	9.5	2.4	0.54	mg/kg	1	09/03/13	09/03/13	EAL	SW846 6010C [1]	SW846 3050B [4]
Lead	14.0	0.97	0.16	mg/kg	1	09/03/13	09/03/13	EAL	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.015 B	0.034	0.0098	mg/kg	1	09/04/13	09/05/13	EM	SW846 7471B [2]	SW846 7471B [5]
Selenium	0.51 B	0.97	0.34	mg/kg	1	09/03/13	09/03/13	EAL	SW846 6010C [1]	SW846 3050B [4]
Silver	0.12 U	0.48	0.12	mg/kg	1	09/03/13	09/03/13	EAL	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA16047
(2) Instrument QC Batch: MA16048
(3) Instrument QC Batch: MA16049
(4) Prep QC Batch: MP21575
(5) Prep QC Batch: MP21586

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	LBA-MW-18-(1.9)		
Lab Sample ID:	MC23948-3	**Date Sampled:**	08/26/13
Matrix:	SO - Soil	**Date Received:**	08/29/13
		Percent Solids:	88.2
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.13	0.13	mg/kg	1	09/05/13 11:06	MA	SW846 9012 M
Solids, Percent	88.2		%	1	08/30/13	MC	SM21 2540 B MOD.

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	LBA-MW-19-(0-1.9)		
Lab Sample ID:	MC23948-4	**Date Sampled:**	08/27/13
Matrix:	SO - Soil	**Date Received:**	08/29/13
Method:	SW846 8260B	**Percent Solids:**	83.2
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M58928.D	1	09/03/13	KD	n/a	n/a	MSM2033
Run #2							

	Initial Weight	Final Volume
Run #1	4.65 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	5.0	ug/kg	
71-43-2	Benzene	1.1	0.65	0.32	ug/kg	
75-27-4	Bromodichloromethane	ND	2.6	0.47	ug/kg	
75-25-2	Bromoform	ND	2.6	0.38	ug/kg	
74-83-9	Bromomethane	ND	2.6	1.3	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.5	4.0	ug/kg	
75-15-0	Carbon disulfide	1.0	6.5	0.20	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.6	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	2.6	0.35	ug/kg	
75-00-3	Chloroethane	ND	6.5	0.77	ug/kg	
67-66-3	Chloroform	0.73	2.6	0.37	ug/kg	J
74-87-3	Chloromethane	ND	6.5	1.6	ug/kg	
110-82-7	Cyclohexane	ND	6.5	0.34	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.5	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	2.6	0.55	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.6	0.73	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.6	0.27	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.6	0.29	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.6	0.26	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.6	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	0.81	2.6	0.43	ug/kg	J
107-06-2	1,2-Dichloroethane	ND	2.6	0.70	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.6	0.67	ug/kg	
156-59-2	cis-1,2-Dichloroethene	0.67	2.6	0.66	ug/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	2.6	0.58	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.6	0.55	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.6	0.37	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.6	0.38	ug/kg	
100-41-4	Ethylbenzene	0.79	2.6	0.23	ug/kg	J
76-13-1	Freon 113	ND	6.5	1.2	ug/kg	
591-78-6	2-Hexanone	ND	6.5	3.1	ug/kg	
98-82-8	Isopropylbenzene	ND	6.5	0.36	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-19-(0-1.9)		
Lab Sample ID:	MC23948-4	**Date Sampled:**	08/27/13
Matrix:	SO - Soil	**Date Received:**	08/29/13
Method:	SW846 8260B	**Percent Solids:**	83.2
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.5	3.6	ug/kg	
108-87-2	Methylcyclohexane	0.69	6.5	0.28	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	2.6	0.51	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.5	2.4	ug/kg	
75-09-2	Methylene chloride	8.0	2.6	2.0	ug/kg	
100-42-5	Styrene	ND	6.5	0.27	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.6	0.38	ug/kg	
127-18-4	Tetrachloroethene	1.3	2.6	0.57	ug/kg	J
108-88-3	Toluene	4.5	6.5	0.31	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	6.5	0.47	ug/kg	
71-55-6	1,1,1-Trichloroethane	6.9	2.6	0.23	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.6	0.45	ug/kg	
79-01-6	Trichloroethene	1.9	2.6	0.61	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	2.6	1.4	ug/kg	
75-01-4	Vinyl chloride	ND	2.6	0.74	ug/kg	
1330-20-7	Xylene (total)	2.8	2.6	0.26	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		70-130%
2037-26-5	Toluene-D8	83%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
78-78-4	Butane, 2-methyl-	6.07	3.6	ug/kg	JN
109-66-0	Pentane	6.49	7.1	ug/kg	JN
	Total TIC, Volatile		10.7	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-MW-19-(0-1.9)
Lab Sample ID: MC23948-4
Matrix: SO - Soil
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 08/27/13
Date Received: 08/29/13
Percent Solids: 83.2

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	26.2	1.0	0.22	mg/kg	1	09/03/13	09/03/13	EAL	SW846 6010C [1]	SW846 3050B [3]
Barium	927	5.2	0.075	mg/kg	1	09/03/13	09/03/13	EAL	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.46	0.41	0.044	mg/kg	1	09/03/13	09/03/13	EAL	SW846 6010C [1]	SW846 3050B [3]
Chromium	16.4	1.0	0.098	mg/kg	1	09/03/13	09/03/13	EAL	SW846 6010C [1]	SW846 3050B [3]
Lead	88.5	1.0	0.17	mg/kg	1	09/03/13	09/03/13	EAL	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.10	0.038	0.011	mg/kg	1	09/04/13	09/05/13	EM	SW846 7471B [2]	SW846 7471B [4]
Selenium	0.36 U	1.0	0.36	mg/kg	1	09/03/13	09/03/13	EAL	SW846 6010C [1]	SW846 3050B [3]
Silver	0.22 B	0.52	0.13	mg/kg	1	09/03/13	09/03/13	EAL	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA16047
(2) Instrument QC Batch: MA16048
(3) Prep QC Batch: MP21575
(4) Prep QC Batch: MP21586

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY RECORD

Project Number:	Site and Location:
4255/S	Emerson EPT Ithaca
Contact Name:	**Contact Email:**
Lisa.Bryda@wspgroup.com	
Sampler's Name:	**Sampler's Signature:**
Erik Reinert	

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses: VOCs-8260 TCL + TIC; RCRA Metals; Copper Cyanide

Nº 01004

MC23948

See Task Order For Detailed Analyte Lists

	Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	VOCs-8260 TCL + TIC	RCRA Metals	Copper Cyanide						Remarks
-1	LBA-SB-301-(2.5)	2.5'	8/26/13	1127	S	1	X							-1	
-2	LBA-MW-17-(5)	5'	8/26/13	1350	S	1	X							-2	
-3	LBA-MW-18-(1.9)	1.9'	8/26/13	1620	S	1		X	X	X				-3	
-4	LBA-MW-19-(0-1.9)	0-1.9'	8/29/13	0950	S	2	X	X						-4	

LB

3A

Relinquished by *(Signature)*:	8/29/13 1750 Date | Time	Received by *(Signature)*:	Laboratory Name: Accutest
Relinquished by *(Signature)*: FEDX	930 8-29-13 Date | Time	Received by *(Signature)*:	Laboratory Location: Marlborough, MA
Turn-Around Time: 5-day		Tracking Number:	Custody Seal Numbers: 00449
			Method of Shipment: 8729 2519 6329 Fedex 0.5°C

WSP Environment & Energy

- ☒ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 334 Elizabeth Ave., Somerset, NJ 08873 / Tel: 732-564-0888
- ☐ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Boxborough Office: 1740 Massachusetts Ave., Boxborough, MA 01719 / Tel: 978-635-9600
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

MC23948: Chain of Custody

Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC23948 **Client:** WSP **Immediate Client Services Action Required:** No

Date / Time Received: 8/29/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: 4255/5 **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC23948: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC23948

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC23948-1 Collected: 26-AUG-13 11:27 By: ER LBA-SB-301-(2.5)		Received: 29-AUG-13 By:				
MC23948-1	SM21 2540 B MOD.	30-AUG-13	MC			%SOL
MC23948-1	SW846 8260B	03-SEP-13 11:31	KD			V8260TCL42+
MC23948-2 Collected: 26-AUG-13 13:50 By: ER LBA-MW-17-(5)		Received: 29-AUG-13 By:				
MC23948-2	SM21 2540 B MOD.	30-AUG-13	MC			%SOL
MC23948-2	SW846 8260B	03-SEP-13 12:00	KD			V8260TCL42+
MC23948-3 Collected: 26-AUG-13 16:20 By: ER LBA-MW-18-(1.9)		Received: 29-AUG-13 By:				
MC23948-3	SM21 2540 B MOD.	30-AUG-13	MC			%SOL
MC23948-3	SW846 6010C	03-SEP-13 20:56	EAL	03-SEP-13	EM	AG,AS,CD,CR,CU,PB,SE
MC23948-3	SW846 6010C	04-SEP-13 12:29	EAL	03-SEP-13	EM	BA
MC23948-3	SW846 7471B	05-SEP-13 10:18	EM	04-SEP-13	EM	HG
MC23948-3	SW846 9012 M	05-SEP-13 11:06	MA	05-SEP-13	MA	CN
MC23948-4 Collected: 27-AUG-13 09:50 By: ER LBA-MW-19-(0-1.9)		Received: 29-AUG-13 By:				
MC23948-4	SM21 2540 B MOD.	30-AUG-13	MC			%SOL
MC23948-4	SW846 8260B	03-SEP-13 12:29	KD			V8260TCL42+
MC23948-4	SW846 6010C	03-SEP-13 21:01	EAL	03-SEP-13	EM	AG,AS,BA,CD,CR,PB,SE
MC23948-4	SW846 7471B	05-SEP-13 10:20	EM	04-SEP-13	EM	HG

Accutest Internal Chain of Custody

Job Number: MC23948
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 08/29/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC23948-1.1	Walk In Ref #5	Miranda Cardullo	08/30/13 08:56	Retrieve from Storage
MC23948-1.1	Miranda Cardullo	Walk In Ref #5	08/30/13 10:39	Return to Storage
MC23948-2.1	Walk In Ref #5	Miranda Cardullo	08/30/13 08:56	Retrieve from Storage
MC23948-2.1	Miranda Cardullo	Walk In Ref #5	08/30/13 10:39	Return to Storage
MC23948-3.1	Walk In Ref #5	Miranda Cardullo	08/30/13 08:56	Retrieve from Storage
MC23948-3.1	Miranda Cardullo	Walk In Ref #5	08/30/13 10:39	Return to Storage
MC23948-3.1	Walk In Ref #5	Eric Mensah	09/03/13 07:48	Retrieve from Storage
MC23948-3.1	Eric Mensah	Walk In Ref #5	09/03/13 07:49	Return to Storage
MC23948-3.1	Walk In Ref #5	Eric Mensah	09/04/13 11:30	Retrieve from Storage
MC23948-3.1	Eric Mensah	Walk In Ref #5	09/04/13 11:31	Return to Storage
MC23948-3.1	Walk In Ref #5	Mehdi Abdolrahim	09/05/13 07:57	Retrieve from Storage
MC23948-3.1	Mehdi Abdolrahim	Walk In Ref #5	09/05/13 10:12	Return to Storage
MC23948-4.1	Walk In Ref #5	Miranda Cardullo	08/30/13 08:56	Retrieve from Storage
MC23948-4.1	Miranda Cardullo	Walk In Ref #5	08/30/13 10:39	Return to Storage
MC23948-4.1	Walk In Ref #5	Eric Mensah	09/03/13 07:48	Retrieve from Storage
MC23948-4.1	Eric Mensah	Walk In Ref #5	09/03/13 07:49	Return to Storage
MC23948-4.1	Walk In Ref #5	Eric Mensah	09/04/13 11:30	Retrieve from Storage
MC23948-4.1	Eric Mensah	Walk In Ref #5	09/04/13 11:31	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC23948
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2033-MB	M58924.D	1	09/03/13	KD	n/a	n/a	MSM2033

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23948-1, MC23948-2, MC23948-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.9	ug/kg	
71-43-2	Benzene	ND	0.50	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.36	ug/kg	
75-25-2	Bromoform	ND	2.0	0.29	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.97	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.2	ug/kg	
110-82-7	Cyclohexane	ND	5.0	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.52	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.0	0.92	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.28	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.8	ug/kg	
108-87-2	Methylcyclohexane	ND	5.0	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.8	ug/kg	

Method Blank Summary

Job Number: MC23948
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2033-MB	M58924.D	1	09/03/13	KD	n/a	n/a	MSM2033

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23948-1, MC23948-2, MC23948-4

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	1.5	ug/kg	
100-42-5	Styrene	ND	5.0	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.44	ug/kg	
108-88-3	Toluene	ND	5.0	0.24	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.47	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.20	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	81%	70-130%
2037-26-5	Toluene-D8	84%	70-130%
460-00-4	4-Bromofluorobenzene	88%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23948
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2033-BS	M58921.D	1	09/03/13	KD	n/a	n/a	MSM2033
MSM2033-BSD	M58922.D	1	09/03/13	KD	n/a	n/a	MSM2033

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23948-1, MC23948-2, MC23948-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	57.2	114	57.6	115	1	70-130/25
71-43-2	Benzene	50	50.1	100	53.0	106	6	70-130/25
75-27-4	Bromodichloromethane	50	52.9	106	55.8	112	5	70-130/25
75-25-2	Bromoform	50	64.7	129	71.0	142* [a]	9	70-130/25
74-83-9	Bromomethane	50	50.8	102	54.1	108	6	70-130/25
78-93-3	2-Butanone (MEK)	50	41.5	83	44.8	90	8	70-130/25
75-15-0	Carbon disulfide	50	54.2	108	56.1	112	3	70-130/25
56-23-5	Carbon tetrachloride	50	57.8	116	62.6	125	8	70-130/25
108-90-7	Chlorobenzene	50	55.7	111	58.9	118	6	70-130/25
75-00-3	Chloroethane	50	51.7	103	54.6	109	5	70-130/25
67-66-3	Chloroform	50	53.5	107	56.3	113	5	70-130/25
74-87-3	Chloromethane	50	52.0	104	55.0	110	6	70-130/25
110-82-7	Cyclohexane	50	49.9	100	53.2	106	6	70-130/25
96-12-8	1,2-Dibromo-3-chloropropane	50	47.9	96	51.8	104	8	70-130/25
124-48-1	Dibromochloromethane	50	61.1	122	64.9	130	6	70-130/25
106-93-4	1,2-Dibromoethane	50	56.5	113	60.6	121	7	70-130/25
95-50-1	1,2-Dichlorobenzene	50	50.1	100	52.2	104	4	70-130/25
541-73-1	1,3-Dichlorobenzene	50	49.3	99	51.9	104	5	70-130/25
106-46-7	1,4-Dichlorobenzene	50	49.5	99	52.9	106	7	70-130/25
75-71-8	Dichlorodifluoromethane	50	52.7	105	57.5	115	9	70-130/25
75-34-3	1,1-Dichloroethane	50	53.8	108	57.5	115	7	70-130/25
107-06-2	1,2-Dichloroethane	50	49.3	99	51.9	104	5	70-130/25
75-35-4	1,1-Dichloroethene	50	54.7	109	59.9	120	9	70-130/25
156-59-2	cis-1,2-Dichloroethene	50	50.8	102	53.4	107	5	70-130/25
156-60-5	trans-1,2-Dichloroethene	50	52.6	105	55.3	111	5	70-130/25
78-87-5	1,2-Dichloropropane	50	49.9	100	52.8	106	6	70-130/25
10061-01-5	cis-1,3-Dichloropropene	50	50.6	101	52.2	104	3	70-130/25
10061-02-6	trans-1,3-Dichloropropene	50	53.8	108	57.0	114	6	70-130/25
100-41-4	Ethylbenzene	50	54.8	110	58.2	116	6	70-130/25
76-13-1	Freon 113	50	58.1	116	61.5	123	6	70-130/25
591-78-6	2-Hexanone	50	40.8	82	44.7	89	9	70-130/25
98-82-8	Isopropylbenzene	50	47.8	96	49.9	100	4	70-130/25
79-20-9	Methyl Acetate	50	41.9	84	40.4	81	4	33-141/25
108-87-2	Methylcyclohexane	50	52.5	105	57.7	115	9	78-140/25
1634-04-4	Methyl Tert Butyl Ether	50	49.8	100	51.3	103	3	70-130/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	47.6	95	48.7	97	2	70-130/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23948
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2033-BS	M58921.D	1	09/03/13	KD	n/a	n/a	MSM2033
MSM2033-BSD	M58922.D	1	09/03/13	KD	n/a	n/a	MSM2033

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23948-1, MC23948-2, MC23948-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	50	55.6	111	53.9	108	3	70-130/25
100-42-5	Styrene	50	55.3	111	59.1	118	7	70-130/25
79-34-5	1,1,2,2-Tetrachloroethane	50	45.7	91	48.3	97	6	70-130/25
127-18-4	Tetrachloroethene	50	60.8	122	66.5	133* [b]	9	70-130/25
108-88-3	Toluene	50	53.5	107	56.5	113	5	70-130/25
120-82-1	1,2,4-Trichlorobenzene	50	50.8	102	53.8	108	6	70-130/25
71-55-6	1,1,1-Trichloroethane	50	55.9	112	59.0	118	5	70-130/25
79-00-5	1,1,2-Trichloroethane	50	53.2	106	55.1	110	4	70-130/25
79-01-6	Trichloroethene	50	50.4	101	53.2	106	5	70-130/25
75-69-4	Trichlorofluoromethane	50	53.4	107	54.4	109	2	70-130/25
75-01-4	Vinyl chloride	50	38.0	76	37.8	76	1	70-130/25
1330-20-7	Xylene (total)	150	165	110	173	115	5	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	81%	80%	70-130%
2037-26-5	Toluene-D8	84%	85%	70-130%
460-00-4	4-Bromofluorobenzene	80%	80%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.
(b) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23948
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23948-1MS	M58934.D	1	09/03/13	KD	n/a	n/a	MSM2033
MC23948-1MSD	M58935.D	1	09/03/13	KD	n/a	n/a	MSM2033
MC23948-1	M58926.D	1	09/03/13	KD	n/a	n/a	MSM2033

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23948-1, MC23948-2, MC23948-4

CAS No.	Compound	MC23948-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		54.4	46.8	86	47.2	88	1	70-130/30
71-43-2	Benzene	ND		54.4	44.4	82	46.3	86	4	70-130/30
75-27-4	Bromodichloromethane	ND		54.4	48.1	88	51.2	95	6	70-130/30
75-25-2	Bromoform	ND		54.4	69.8	128	73.7	137* [a]	5	70-130/30
74-83-9	Bromomethane	ND		54.4	45.0	83	47.1	87	5	70-130/30
78-93-3	2-Butanone (MEK)	ND		54.4	43.3	80	50.2	93	15	70-130/30
75-15-0	Carbon disulfide	ND		54.4	39.2	72	41.8	78	6	70-130/30
56-23-5	Carbon tetrachloride	ND		54.4	50.6	93	55.0	102	8	70-130/30
108-90-7	Chlorobenzene	ND		54.4	42.1	77	45.5	84	8	70-130/30
75-00-3	Chloroethane	ND		54.4	46.8	86	48.5	90	4	70-130/30
67-66-3	Chloroform	ND		54.4	49.6	91	51.4	95	4	70-130/30
74-87-3	Chloromethane	ND		54.4	46.1	85	47.1	87	2	70-130/30
110-82-7	Cyclohexane	ND		54.4	31.1	57* [a]	36.6	68* [a]	16	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		54.4	67.8	125	70.5	131* [a]	4	70-130/30
124-48-1	Dibromochloromethane	ND		54.4	59.0	108	61.8	115	5	70-130/30
106-93-4	1,2-Dibromoethane	ND		54.4	56.0	103	59.1	110	5	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		54.4	28.3	52* [a]	33.1	61* [a]	16	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		54.4	24.6	45* [a]	29.6	55* [a]	18	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		54.4	25.6	47* [a]	30.3	56* [a]	17	70-130/30
75-71-8	Dichlorodifluoromethane	ND		54.4	43.0	79	41.9	78	3	70-130/30
75-34-3	1,1-Dichloroethane	ND		54.4	50.4	93	51.5	96	2	70-130/30
107-06-2	1,2-Dichloroethane	ND		54.4	47.1	87	49.6	92	5	70-130/30
75-35-4	1,1-Dichloroethene	ND		54.4	49.4	91	51.1	95	3	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		54.4	44.0	81	45.5	84	3	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		54.4	42.4	78	45.6	85	7	70-130/30
78-87-5	1,2-Dichloropropane	ND		54.4	45.0	83	48.5	90	7	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		54.4	42.3	78	44.9	83	6	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		54.4	46.1	85	48.7	90	5	70-130/30
100-41-4	Ethylbenzene	ND		54.4	38.8	71	42.7	79	10	70-130/30
76-13-1	Freon 113	ND		54.4	46.4	85	50.6	94	9	70-130/30
591-78-6	2-Hexanone	ND		54.4	52.0	96	55.5	103	7	70-130/30
98-82-8	Isopropylbenzene	ND		54.4	27.5	51* [a]	32.2	60* [a]	16	70-130/30
79-20-9	Methyl Acetate	ND		54.4	42.1	77	41.0	76	3	30-160/30
108-87-2	Methylcyclohexane	ND		54.4	20.9	38* [a]	25.6	48	20	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		54.4	49.9	92	52.6	98	5	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		54.4	66.2	122	70.3	130	6	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23948
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23948-1MS	M58934.D	1	09/03/13	KD	n/a	n/a	MSM2033
MC23948-1MSD	M58935.D	1	09/03/13	KD	n/a	n/a	MSM2033
MC23948-1	M58926.D	1	09/03/13	KD	n/a	n/a	MSM2033

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23948-1, MC23948-2, MC23948-4

CAS No.	Compound	MC23948-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	2.6		54.4	48.8	85	50.1	88	3	70-130/30
100-42-5	Styrene	ND		54.4	39.7	73	42.9	80	8	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		54.4	53.9	99	56.3	104	4	70-130/30
127-18-4	Tetrachloroethene	ND		54.4	43.5	80	48.9	91	12	70-130/30
108-88-3	Toluene	1.5	J	54.4	45.0	80	47.8	86	6	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		54.4	15.0	28* [a]	18.3	34* [a]	20	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		54.4	50.7	93	53.6	99	6	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		54.4	52.6	97	55.9	104	6	70-130/30
79-01-6	Trichloroethene	ND		54.4	40.6	75	42.7	79	5	70-130/30
75-69-4	Trichlorofluoromethane	ND		54.4	45.7	84	47.7	89	4	70-130/30
75-01-4	Vinyl chloride	ND		54.4	31.1	57* [a]	31.9	59* [a]	3	70-130/30
1330-20-7	Xylene (total)	1.1	J	163	114	69* [a]	127	78	11	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC23948-1	Limits
1868-53-7	Dibromofluoromethane	83%	81%	83%	70-130%
2037-26-5	Toluene-D8	83%	84%	85%	70-130%
460-00-4	4-Bromofluorobenzene	83%	84%	90%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC23948
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSM2022-BFB
Lab File ID: M58633.D
Instrument ID: GCMSM
Injection Date: 08/21/13
Injection Time: 12:54

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	26707	23.5		Pass
75	30.0 - 60.0% of mass 95	58531	51.4		Pass
95	Base peak, 100% relative abundance	113843	100.0		Pass
96	5.0 - 9.0% of mass 95	7658	6.73		Pass
173	Less than 2.0% of mass 174	1127	0.99	(1.14) [a]	Pass
174	50.0 - 150.0% of mass 95	98749	86.7		Pass
175	5.0 - 9.0% of mass 174	7472	6.56	(7.57) [a]	Pass
176	95.0 - 101.0% of mass 174	95533	83.9	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	6321	5.55	(6.62) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM2022-IC2022	M58636.D	08/21/13	14:37	01:43	Initial cal 0.5
MSM2022-IC2022	M58637.D	08/21/13	15:07	02:13	Initial cal 2
MSM2022-IC2022	M58638.D	08/21/13	15:36	02:42	Initial cal 5
MSM2022-IC2022	M58639.D	08/21/13	16:05	03:11	Initial cal 10
MSM2022-IC2022	M58640.D	08/21/13	16:35	03:41	Initial cal 20
MSM2022-ICC2022	M58641.D	08/21/13	17:08	04:14	Initial cal 50
MSM2022-IC2022	M58642.D	08/21/13	17:37	04:43	Initial cal 100
MSM2022-IC2022	M58643.D	08/21/13	18:07	05:13	Initial cal 200
MSM2022-IC2022	M58644.D	08/21/13	18:36	05:42	Initial cal 400
MSM2022-ICV2022	M58647.D	08/21/13	20:04	07:10	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC23948
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSM2033-BFB
Lab File ID: M58920.D
Instrument ID: GCMSM
Injection Date: 09/03/13
Injection Time: 08:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	29765	18.8		Pass
75	30.0 - 60.0% of mass 95	71621	45.3		Pass
95	Base peak, 100% relative abundance	158192	100.0		Pass
96	5.0 - 9.0% of mass 95	10616	6.71		Pass
173	Less than 2.0% of mass 174	1291	0.82	(0.91) [a]	Pass
174	50.0 - 150.0% of mass 95	141452	89.4		Pass
175	5.0 - 9.0% of mass 174	10201	6.45	(7.21) [a]	Pass
176	95.0 - 101.0% of mass 174	138053	87.3	(97.6) [a]	Pass
177	5.0 - 9.0% of mass 176	8408	5.32	(6.09) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM2033-CC2022	M58920.D	09/03/13	08:35	00:00	Continuing cal 50
MSM2033-BS	M58921.D	09/03/13	09:04	00:29	Blank Spike
MSM2033-BSD	M58922.D	09/03/13	09:34	00:59	Blank Spike Duplicate
MSM2033-MB	M58924.D	09/03/13	10:32	01:57	Method Blank
ZZZZZZ	M58925.D	09/03/13	11:01	02:26	(unrelated sample)
MC23948-1	M58926.D	09/03/13	11:31	02:56	LBA-SB-301-(2.5)
MC23948-2	M58927.D	09/03/13	12:00	03:25	LBA-MW-17-(5)
MC23948-4	M58928.D	09/03/13	12:29	03:54	LBA-MW-19-(0-1.9)
ZZZZZZ	M58929.D	09/03/13	12:59	04:24	(unrelated sample)
ZZZZZZ	M58930.D	09/03/13	13:28	04:53	(unrelated sample)
ZZZZZZ	M58931.D	09/03/13	13:57	05:22	(unrelated sample)
ZZZZZZ	M58932.D	09/03/13	14:27	05:52	(unrelated sample)
ZZZZZZ	M58933.D	09/03/13	14:56	06:21	(unrelated sample)
MC23948-1MS	M58934.D	09/03/13	15:25	06:50	Matrix Spike
MC23948-1MSD	M58935.D	09/03/13	15:55	07:20	Matrix Spike Duplicate

Volatile Internal Standard Area Summary

Job Number: MC23948
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	MSM2033-CC2022	**Injection Date:**	09/03/13
Lab File ID:	M58920.D	**Injection Time:**	08:35
Instrument ID:	GCMSM	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	390965	9.35	677504	10.23	307617	13.51	368849	16.07	173218	6.84
Upper Limit [a]	781930	9.85	1355008	10.73	615234	14.01	737698	16.57	346436	7.34
Lower Limit [b]	195483	8.85	338752	9.73	153809	13.01	184425	15.57	86609	6.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSM2033-BS	407275	9.36	692882	10.23	318223	13.51	371363	16.07	173236	6.84
MSM2033-BSD	415674	9.36	691573	10.24	314420	13.51	371450	16.07	167292	6.85
MSM2033-MB	392965	9.36	655908	10.23	282069	13.51	306120	16.07	165767	6.84
ZZZZZZ	351472	9.36	590954	10.23	249226	13.51	255877	16.07	265170	6.84
MC23948-1	384520	9.36	653431	10.23	285856	13.51	306028	16.07	292458	6.84
MC23948-2	382860	9.36	653313	10.23	275497	13.51	294003	16.07	266493	6.84
MC23948-4	364369	9.36	613241	10.24	250884	13.51	230990	16.07	277365	6.84
ZZZZZZ	382452	9.35	637508	10.23	271522	13.51	291598	16.07	167746	6.85
ZZZZZZ	379816	9.36	647508	10.23	278129	13.51	298998	16.07	175559	6.84
ZZZZZZ	378904	9.36	632469	10.23	266543	13.51	283797	16.07	166051	6.85
ZZZZZZ	370218	9.35	631286	10.23	271502	13.51	296459	16.07	165586	6.84
ZZZZZZ	386171	9.36	649675	10.23	275646	13.51	301767	16.07	167874	6.84
MC23948-1MS	407596	9.36	693107	10.24	313939	13.51	356847	16.07	292663	6.84
MC23948-1MSD	407855	9.36	679930	10.23	310644	13.51	353475	16.07	306313	6.84

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: MC23948
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC23948-1	M58926.D	83.0	85.0	90.0
MC23948-2	M58927.D	82.0	82.0	91.0
MC23948-4	M58928.D	83.0	83.0	100.0
MC23948-1MS	M58934.D	83.0	83.0	83.0
MC23948-1MSD	M58935.D	81.0	84.0	84.0
MSM2033-BS	M58921.D	81.0	84.0	80.0
MSM2033-BSD	M58922.D	80.0	85.0	80.0
MSM2033-MB	M58924.D	81.0	84.0	88.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC23948 **Sample:** MSM2022-ICC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58641.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report GCMS M

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Calibration Files
.5 =m58636.D 20 =m58640.D 2 =m58637.D 5 =m58638.D
10 =m58639.D 50 =m58641.D 100 =m58642.D 200 =m58643.D
400 =m58644.D =

Compound	.5	20	2	5	10	50	100	200	400	Avg	%RSD
1) I tert butyl alcohol-d9 ----------ISTD----------											
2) tertiary butyl alcohol	1.304	1.486	1.331	1.263	1.512	1.291	1.255	1.293		1.342	7.45
3) Ethanol	0.130	0.060	0.056	0.124	0.151	0.130	0.132	0.134		0.115	31.17
---- Linear regression ---- Coefficient = 0.9995											
Response Ratio = -0.01835 + 0.13427 *A											
4) I pentafluorobenzene ----------ISTD----------											
5) dichlorodifluoromethane	0.759	0.761	0.638	0.787	0.803	0.643	0.668	0.582		0.705	11.62
6) chloromethane	1.167	1.243	1.083	1.202	1.179	1.033	0.993	0.857		1.095	11.79
7) vinyl chloride	1.432	1.362	1.286	1.384	1.318	1.213	1.158	1.049		1.275	10.04
8) bromomethane	0.655	0.664	0.586	0.644	0.567	0.531	0.519	0.502		0.583	11.07
9) chloroethane	0.439	0.351	0.429	0.483	0.428	0.411	0.383	0.355		0.410	10.95
10) ethyl ether	0.511	0.438	0.445	0.493	0.526	0.479	0.478	0.474		0.481	6.20
11) acetonitrile	0.158	0.219	0.142	0.094	0.155	0.130	0.152	0.165		0.152	23.08
---- Linear regression ---- Coefficient = 0.9964											
Response Ratio = -0.01626 + 0.16379 *A											
12) trichlorofluoromethane	1.102	0.846	1.132	1.026	1.141	1.033	1.003	0.932		1.027	9.89
13) freon-113	0.571	0.454	0.505	0.550	0.607	0.564	0.529	0.482		0.533	9.47
14) acrolein	0.032		0.029	0.030	0.045	0.034	0.036	0.038		0.035	15.64
---- Linear regression ---- Coefficient = 0.9976											
Response Ratio = -0.00857 + 0.03797 *A											
15) 1,1-dichloroethene	0.620	0.564	0.565	0.597	0.615	0.593	0.576	0.554		0.585	4.18
16) acetone	0.106		0.117	0.135	0.110	0.098	0.097			0.110	12.72
17) Methyl Acetate	0.783	0.882	0.615	0.640	0.954	0.859	0.864	0.859		0.807	14.89
18) methylene chloride	0.732	0.781	0.715	0.784	0.701	0.650	0.632	0.581		0.697	10.27

Initial Calibration Summary

Job Number: MC23948 **Sample:** MSM2022-ICC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58641.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
19)  methyl tert butyl ether
                1.468 1.386 1.478 1.539 1.675 1.512 1.462 1.435   1.494    5.77
20)  acrylonitrile
                0.246       0.227 0.220 0.285 0.246 0.247 0.251   0.246    8.42
21)  allyl chloride
                1.157 1.154 1.169 1.223 1.195 1.144 1.143 1.076   1.158    3.71
22)  trans-1,2-dichloroethene
                0.629 0.678 0.723 0.693 0.701 0.657 0.670 0.653   0.676    4.45
23)  iodomethane
                1.103 0.972 1.017 1.149 1.192 1.133 1.139 1.156   1.108    6.77
24)  carbon disulfide
                2.015 1.833 1.766 2.106 2.147 2.020 2.003 1.844   1.967    6.96
25)  propionitrile
                0.073       0.073 0.066 0.092 0.092 0.090 0.090   0.082   13.75
26)  vinyl acetate
                1.334       1.066 1.257 1.646 1.483 1.521 1.516   1.403   14.02
27)  chloroprene
                1.037 0.920 0.927 1.010 1.092 1.062 1.077 1.028   1.019    6.34
28)  di-isopropyl ether
                2.416 2.267 2.297 2.377 2.644 2.517 2.561 2.469   2.444    5.31
29)  methacrylonitrile
                0.380 0.513 0.339 0.389 0.456 0.398 0.413 0.410   0.412   12.65
30)  2-butanone
                0.094       0.069 0.115 0.126 0.111 0.113 0.104   0.105   17.67
             ---- Linear regression ----  Coefficient =  0.9979
               Response Ratio = 0.00712 + 0.10523 *A

31)  1,1-dichloroethane
                1.107 1.003 1.085 1.130 1.170 1.095 1.091 1.046   1.091    4.62
32)  tert-butyl ethyl ether
                1.788 1.508 1.730 1.813 2.037 1.885 1.886 1.840   1.811    8.40
33)  isobutyl alcohol
                0.101 0.086 0.105 0.094 0.094 0.086 0.083 0.081   0.091    9.43
34)  2,2-dichloropropane
                0.724 0.711 0.723 0.791 0.798 0.757 0.712 0.653   0.733    6.46
35)  cis-1,2-dichloroethene
                0.755 0.693 0.764 0.754 0.793 0.750 0.793 0.785   0.761    4.29
36)  ethyl acetate
                0.504 0.429 0.525 0.475 0.489 0.437 0.417 0.410   0.461    9.36
37)  bromochloromethane
                0.334 0.310 0.325 0.333 0.360 0.336 0.354 0.372   0.340    5.96
38)  chloroform
                1.124 1.044 1.043 1.118 1.215 1.152 1.184 1.177   1.132    5.61
39)  dibromofluoromethane (s)
                0.623 0.600 0.615 0.614 0.686 0.645 0.637 0.701   0.640    5.63
40)  Tetrahydrofuran
                0.243       0.292 0.236 0.247 0.229 0.216 0.210   0.239   11.30
41)  1,1,1-trichloroethane
                0.918 0.877 0.914 0.953 0.988 0.953 0.915 0.851   0.921    4.75

42) I   1,4-difluorobenzene   ----------------ISTD---------------------
43)  Cyclohexane
                0.591 0.611 0.619 0.624 0.674 0.648 0.618 0.550   0.617    5.93
44)  carbon tetrachloride
                0.497 0.464 0.501 0.510 0.532 0.532 0.534 0.516   0.511    4.68
45)  1,1-dichloropropene
                0.513 0.472 0.504 0.514 0.536 0.527 0.532 0.505   0.513    3.98
46)  benzene
              2.112 1.519 1.419 1.479 1.527 1.629 1.589 1.637 1.546   1.606   12.58
47)  1,2-dichloroethane
```

Initial Calibration Summary

Job Number: MC23948 **Sample:** MSM2022-ICC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58641.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                0.518 0.473 0.501 0.505 0.563 0.512 0.507 0.476   0.507    5.53
48)  tert-amyl methyl ether
                0.879 0.846 0.827 0.846 0.956 0.880 0.869 0.830   0.867    4.80
49)  heptane
                0.664 0.660 0.662 0.690 0.739 0.690 0.685 0.656   0.681    4.06
50)  trichloroethene
          0.519 0.399 0.384 0.384 0.414 0.434 0.417 0.438 0.438   0.425    9.60
51)  1,2-dichloropropane
                0.412 0.378 0.396 0.422 0.445 0.420 0.435 0.426   0.417    5.13
52)  dibromomethane
                0.229 0.208 0.220 0.222 0.249 0.229 0.234 0.237   0.229    5.38
53)  bromodichloromethane
                0.531 0.459 0.499 0.522 0.578 0.544 0.551 0.537   0.528    6.83
54)  Methylcyclohexane
                0.625 0.545 0.610 0.652 0.719 0.707 0.693 0.647   0.650    8.83
55)  2-chloroethyl vinyl ether
                0.172 0.141 0.147 0.163 0.182 0.170 0.179 0.180   0.166    9.25
56)  methyl methacrylate
                0.225 0.171 0.206 0.215 0.266 0.244 0.253 0.253   0.229   13.69
57)  1,4-dioxane
                0.004       0.002 0.003 0.004 0.004 0.004 0.003   0.003   26.34
             ---- Linear regression ----  Coefficient =  0.9995
               Response Ratio = 0.00032 + 0.00346 *A

58)  cis-1,3-dichloropropene
                0.626 0.558 0.583 0.604 0.681 0.648 0.679 0.671   0.631    7.37
59)  toluene-d8 (s)
                1.256 1.188 1.179 1.245 1.412 1.365 1.415 1.493   1.319    8.89
60)  4-methyl-2-pentanone
                0.416 0.447 0.486 0.460 0.501 0.448 0.441 0.429   0.453    6.23
61)  toluene
                0.917 0.830 0.870 0.921 1.032 1.054 1.156 1.125   0.988   12.20
62)  trans-1,3-dichloropropene
                0.514 0.436 0.491 0.504 0.567 0.538 0.568 0.559   0.522    8.73
63)  1,1,2-trichloroethane
                0.278 0.252 0.265 0.271 0.308 0.282 0.292 0.292   0.280    6.22
64)  ethyl methacrylate
                0.440       0.390 0.411 0.527 0.516 0.549 0.550   0.483   14.05

65) I   chlorobenzene-d5      ----------------ISTD---------------------
66)  tetrachloroethene
           1.061 0.816 0.747 0.757 0.798 0.848 0.771 0.732 0.655   0.798   14.14
67)  1,3-dichloropropane
                1.257 1.159 1.142 1.167 1.312 1.204 1.144 0.919   1.163    9.91
68)  dibromochloromethane
                0.917 0.815 0.889 0.898 1.006 0.890 0.858 0.772   0.881    7.94
69)  1,2-dibromoethane
                0.798 0.727 0.778 0.765 0.862 0.741 0.712 0.598   0.748   10.25
70)  2-hexanone
                0.872 0.926 1.046 0.990 1.040 0.836 0.738         0.921   12.33
71)  chlorobenzene
                2.536 2.338 2.470 2.572 2.712 2.509 2.450 2.095   2.460    7.41
72)  1,1,1,2-tetrachloroethane
                0.883 0.853 0.828 0.877 0.938 0.863 0.845 0.749   0.854    6.32
73)  ethylbenzene
                4.057 3.730 3.908 4.118 4.436 4.233 4.059 3.301   3.980    8.66
74)  m,p-xylene
                1.658 1.520 1.544 1.631 1.842 1.829 1.825 1.524   1.672    8.47
75)  o-xylene
                1.637 1.473 1.519 1.621 1.835 1.875 1.854 1.506   1.665   10.03
```

Initial Calibration Summary

Job Number: MC23948 **Sample:** MSM2022-ICC2022
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Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

76) styrene
2.569 2.290 2.337 2.553 2.766 2.702 2.697 2.222 2.517 8.28
77) bromoform
0.528 0.458 0.492 0.512 0.584 0.541 0.523 0.484 0.515 7.46
78) trans-1,4-dichloro-2-butene
0.304 0.325 0.307 0.306 0.362 0.320 0.295 0.240 0.307 11.11

79) I 1,4-dichlorobenzene-d ----------ISTD----------
80) isopropylbenzene
4.290 3.830 3.996 4.262 4.805 4.361 4.271 4.045 4.233 6.93
81) bromofluorobenzene (s)
0.995 0.880 0.982 0.961 1.089 0.982 0.928 0.951 0.971 6.21
82) bromobenzene
1.009 0.885 1.012 1.001 1.108 0.957 0.986 1.031 0.999 6.34
83) 1,1,2,2-tetrachloroethane
1.055 0.968 1.023 1.029 1.227 1.073 1.002 0.975 1.044 7.89
84) 1,2,3-trichloropropane
1.087 0.956 1.055 1.037 1.257 1.054 0.994 0.969 1.051 9.02
85) n-propylbenzene
5.051 4.487 4.765 5.082 5.624 5.062 4.844 4.298 4.902 8.31
86) 2-chlorotoluene
2.891 2.644 2.820 2.916 3.265 2.912 2.837 2.752 2.880 6.27
87) 4-chlorotoluene
2.953 2.648 2.713 2.889 3.192 2.973 2.861 2.720 2.869 6.16
88) 1,3,5-trimethylbenzene
3.587 3.037 3.210 3.484 4.148 3.855 3.735 3.598 3.582 9.80
89) tert-butylbenzene
1.985 1.762 1.845 1.940 2.270 2.086 2.030 2.009 1.991 7.72
90) 1,2,4-trimethylbenzene
3.483 2.966 3.215 3.382 4.048 3.772 3.704 3.589 3.520 9.61
91) sec-butylbenzene
4.909 4.081 4.557 4.676 5.663 5.292 5.104 4.467 4.844 10.40
92) 1,3-dichlorobenzene
2.049 1.875 1.988 2.057 2.305 2.132 2.179 2.200 2.098 6.42
93) p-isopropyltoluene
3.727 3.225 3.313 3.578 4.603 4.321 4.217 4.027 3.876 12.77
94) 1,4-dichlorobenzene
2.110 1.884 1.979 2.084 2.521 2.370 2.360 2.412 2.215 10.39
95) 1,2-dichlorobenzene
2.040 1.749 1.886 1.946 2.240 2.028 2.001 2.428 2.040 10.31
96) n-butylbenzene
3.839 3.244 3.569 3.796 4.502 4.051 3.707 3.550 3.782 9.94
97) 1,2-dibromo-3-chloropropane
0.204 0.228 0.275 0.227 0.217 0.183 0.163 0.167 0.208 17.95
---- Linear regression ---- Coefficient = 0.9983
Response Ratio = 0.01873 + 0.16396 *A

98) 1,3,5-trichlorobenzene
1.374 1.171 1.348 1.368 1.510 1.296 1.221 1.390 1.335 7.89
99) 1,2,4-trichlorobenzene
1.272 1.147 1.241 1.283 1.415 1.189 1.127 1.271 1.243 7.34
100) hexachlorobutadiene
0.645 0.597 0.620 0.633 0.726 0.639 0.626 0.725 0.651 7.38
101) naphthalene
3.324 2.790 3.080 3.129 3.767 3.309 3.447 3.854 3.337 10.58
102) 1,2,3-trichlorobenzene
1.215 1.101 1.171 1.210 1.346 1.158 1.118 1.253 1.196 6.60
103) 2-methylnaphthalene
1.813 1.540 1.751 1.660 1.987 1.631 1.620 1.768 1.721 8.13
104) 1-methylnaphthalene

Initial Calibration Summary

Job Number: MC23948 **Sample:** MSM2022-ICC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58641.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                0.641 2.528 0.700 0.751 0.621 0.515 0.495 0.515   0.846 E1   81.11
            ---- Linear regression ----  Coefficient =  0.9988
              Response Ratio = 0.25159 + 5.03552 *A

--------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M130821S.M        Thu Aug 22 09:43:29 2013
```

Initial Calibration Verification

Job Number: MC23948 **Sample:** MSM2022-ICV2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58647.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M130821.S\m58647.D Vial: 23
Acq On : 21 Aug 2013 8:04 pm Operator: krystend
Sample : ICV2022-50 Inst : GCMS M
Misc : MS29707,MSM2022,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 22 08:41:20 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	128	-0.01	6.84
2	M	tertiary butyl alcohol	1.342	1.849	-37.8#	156	0.00	6.93
			Amount	Calc.	%Drift			
3		Ethanol	5000.000	4133.977	17.3	92	-0.01	5.64
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	109	0.00	9.35
5	M	dichlorodifluoromethane	0.705	0.871	-23.5#	118	0.00	4.42
6	P	chloromethane	1.095	1.375	-25.6#	127	-0.01	4.69
7	c	vinyl chloride	1.275	1.084	15.0	90	0.00	4.96
8	M	bromomethane	0.583	0.628	-7.7	121	0.00	5.50
9	M	chloroethane	0.410	0.461	-12.4	118	0.00	5.67
10	M	ethyl ether	0.481	0.519	-7.9	108	0.00	6.57
			Amount	Calc.	%Drift			
11	M	acetonitrile	50.000	47.491	5.0	98	0.00	6.57
			AvgRF	CCRF	%Dev			
12	M	trichlorofluoromethane	1.027	1.026	0.1	98	-0.01	6.33
13	M	freon-113	0.533	0.651	-22.1#	117	0.00	7.15
			Amount	Calc.	%Drift			
14	M	acrolein	250.000	440.816	-76.3#	159	0.00	6.32
			AvgRF	CCRF	%Dev			
15	c	1,1-dichloroethene	0.585	0.672	-14.9	119	0.00	6.94
16	M	acetone	0.110	0.103	6.4	84	0.00	6.47
17	M	Methyl Acetate	0.807	0.702	13.0	80	0.00	7.13
18	M	methylene chloride	0.697	0.706	-1.3	110	0.00	7.10
19	M	methyl tert butyl ether	1.494	1.625	-8.8	106	0.00	7.91
20	M	acrylonitrile	0.246	0.264	-7.3	101	0.00	7.00
21	M	allyl chloride	1.158	1.220	-5.4	112	0.00	7.19
22	M	trans-1,2-dichloroethene	0.676	0.705	-4.3	110	0.00	7.81
23	M	iodomethane	1.108	1.240	-11.9	114	0.00	7.01
24	M	carbon disulfide	1.967	2.242	-14.0	114	0.00	7.39
25	M	propionitrile	0.082	0.090	-9.8	106	0.00	8.16
26	M	vinyl acetate	1.403	1.095	22.0#	73	0.00	8.17
27	M	chloroprene	1.019	1.164	-14.2	116	0.00	8.45
28	M	di-isopropyl ether	2.444	2.501	-2.3	103	0.00	8.48
29	M	methacrylonitrile	0.412	0.409	0.7	98	0.00	8.60

Initial Calibration Verification

Job Number: MC23948 **Sample:** MSM2022-ICV2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58647.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
30	M	2-butanone	50.000	44.703	10.6	87	0.00	8.49
			AvgRF	CCRF	%Dev			
31	P	1,1-dichloroethane	1.091	1.279	-17.2	119	0.00	8.07
32	M	tert-butyl ethyl ether	1.811	2.005	-10.7	108	0.00	8.88
33	M	isobutyl alcohol	0.091	0.102	-12.1	118	0.00	8.88
34	M	2,2-dichloropropane	0.733	0.855	-16.6	117	0.00	8.95
35	M	cis-1,2-dichloroethene	0.761	0.761	0.0	105	0.00	8.65
36	M	ethyl acetate	0.461	0.485	-5.2	108	0.00	8.88
37	M	bromochloromethane	0.340	0.387	-13.8	118	0.00	8.82
38	c	chloroform	1.132	1.262	-11.5	113	0.00	8.86
39	S	dibromofluoromethane (s)	0.640	0.563	12.0	90	0.00	8.98
40	M	Tetrahydrofuran	0.239	0.240	-0.4	106	0.00	9.19
41	M	1,1,1-trichloroethane	0.921	1.077	-16.9	119	0.00	9.63
42	I	1,4-difluorobenzene	1.000	1.000	0.0	108	0.00	10.23
43	M	Cyclohexane	0.617	0.658	-6.6	105	0.00	9.91
44	M	carbon tetrachloride	0.511	0.593	-16.0	120	0.00	10.00
45	M	1,1-dichloropropene	0.513	0.545	-6.2	110	0.00	9.81
46	M	benzene	1.606	1.628	-1.4	108	0.00	10.03
47	M	1,2-dichloroethane	0.507	0.535	-5.5	102	0.00	9.52
48	M	tert-amyl methyl ether	0.867	0.948	-9.3	107	0.00	10.15
49	M	heptane	0.681	0.686	-0.7	100	0.00	10.51
50	M	trichloroethene	0.425	0.423	0.5	105	0.00	10.66
51	c	1,2-dichloropropane	0.417	0.427	-2.4	103	0.00	10.62
52	M	dibromomethane	0.229	0.269	-17.5	117	0.00	10.60
53	M	bromodichloromethane	0.528	0.565	-7.0	105	0.00	10.71
54	M	Methylcyclohexane	0.650	0.711	-9.4	107	0.00	11.18
55	M	2-chloroethyl vinyl ether	0.166	0.152	8.4	90	0.00	11.09
56	M	methyl methacrylate	0.229	0.253	-10.5	103	0.00	10.80
			Amount	Calc.	%Drift			
57	M	1,4-dioxane	250.000	270.065	-8.0	106	0.00	10.81
			AvgRF	CCRF	%Dev			
58	M	cis-1,3-dichloropropene	0.631	0.630	0.2	100	0.00	11.34
59	S	toluene-d8 (s)	1.319	1.143	13.3	87	0.00	12.04
60	M	4-methyl-2-pentanone	0.453	0.460	-1.5	99	0.00	11.42
61	c	toluene	0.988	1.028	-4.0	107	0.00	12.12
62	M	trans-1,3-dichloropropene	0.522	0.564	-8.0	107	0.00	11.75
63	M	1,1,2-trichloroethane	0.280	0.295	-5.4	104	0.00	11.93
64	M	ethyl methacrylate	0.483	0.494	-2.3	101	0.00	12.12
65	I	chlorobenzene-d5	1.000	1.000	0.0	108	0.00	13.51
66	M	tetrachloroethene	0.798	0.907	-13.7	116	0.00	12.86
67	M	1,3-dichloropropane	1.163	1.256	-8.0	104	0.00	12.16
68	M	dibromochloromethane	0.881	0.991	-12.5	107	0.00	12.46
69	M	1,2-dibromoethane	0.748	0.834	-11.5	105	0.00	12.72
70	M	2-hexanone	0.921	0.814	11.6	85	0.00	12.29
71	P	chlorobenzene	2.460	2.559	-4.0	102	0.00	13.55
72	M	1,1,1,2-tetrachloroethane	0.854	0.929	-8.8	107	0.00	13.46
73	c	ethylbenzene	3.980	4.349	-9.3	106	0.00	13.71
74	M	m,p-xylene	1.672	1.773	-6.0	104	0.00	13.90
75	M	o-xylene	1.665	1.751	-5.2	103	0.00	14.31
76	M	styrene	2.517	2.651	-5.3	104	0.00	14.24
77	P	bromoform	0.515	0.629	-22.1#	117	0.00	14.07
78	M	trans-1,4-dichloro-2-bute	0.307	0.335	-9.1	100	0.00	14.46

Initial Calibration Verification

Job Number: MC23948 **Sample:** MSM2022-ICV2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58647.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	113	0.00	16.08
80	M	isopropylbenzene	4.233	4.293	-1.4	101	0.00	14.68
81	S	bromofluorobenzene (s)	0.971	0.836	13.9	86	0.00	14.74
82	M	bromobenzene	0.999	1.035	-3.6	105	0.00	14.97
83	P	1,1,2,2-tetrachloroethane	1.044	1.124	-7.7	103	0.00	14.32
84	M	1,2,3-trichloropropane	1.051	1.154	-9.8	103	0.00	14.47
85	M	n-propylbenzene	4.902	4.891	0.2	98	0.00	15.12
86	M	2-chlorotoluene	2.880	2.848	1.1	98	0.00	15.24
87	M	4-chlorotoluene	2.869	2.854	0.5	101	0.00	15.32
88	M	1,3,5-trimethylbenzene	3.582	3.633	-1.4	99	0.00	15.40
89	M	tert-butylbenzene	1.991	2.008	-0.9	100	0.00	15.71
90	M	1,2,4-trimethylbenzene	3.520	3.559	-1.1	99	0.00	15.81
91	M	sec-butylbenzene	4.844	4.890	-0.9	97	0.00	15.93
92	M	1,3-dichlorobenzene	2.098	1.999	4.7	98	0.00	16.04
93	M	p-isopropyltoluene	3.876	4.224	-9.0	103	0.00	16.10
94	M	1,4-dichlorobenzene	2.215	2.280	-2.9	102	0.00	16.10
95	M	1,2-dichlorobenzene	2.040	1.951	4.4	98	0.00	16.47
96	M	n-butylbenzene	3.782	3.877	-2.5	97	0.00	16.52
		----------	Amount	Calc.	%Drift			
97	M	1,2-dibromo-3-chloropropa	50.000	57.879	-15.8	108	0.00	16.95
		----------	AvgRF	CCRF	%Dev			
98		1,3,5-trichlorobenzene	1.335	1.165	12.7	87	0.00	17.76
99	M	1,2,4-trichlorobenzene	1.243	1.211	2.6	96	0.00	18.30
100	M	hexachlorobutadiene	0.651	0.630	3.2	98	0.00	18.60
101	M	naphthalene	3.337	3.380	-1.3	101	0.00	18.58
102	M	1,2,3-trichlorobenzene	1.196	1.162	2.8	97	0.00	18.79
103		2-methylnaphthalene	1.721	1.698	1.3	96	0.00	19.98
		----------	Amount	Calc.	%Drift			
104		1-methylnaphthalene	25.000	24.374	2.5	98	0.00	20.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m58641.D M130821S.M Thu Aug 22 09:43:22 2013

Continuing Calibration Summary

Job Number: MC23948 **Sample:** MSM2033-CC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58920.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M130903.S\m58920.D Vial: 2
Acq On : 3 Sep 2013 8:35 am Operator: krystend
Sample : cc2022-50 Inst : GCMS M
Misc : MS29794,MSM2033,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 22 08:41:20 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	130	0.00	6.84
2	M	tertiary butyl alcohol	1.342	1.229	8.4	106	0.00	6.93
			Amount	Calc.	%Drift			
3		Ethanol	5000.000	4506.468	9.9	103	0.00	5.66
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	123	0.00	9.35
5	M	dichlorodifluoromethane	0.705	0.821	-16.5	125	0.00	4.42
6	P	chloromethane	1.095	1.117	-2.0	116	0.00	4.69
7	c	vinyl chloride	1.275	1.182	7.3	110	0.00	4.97
8	M	bromomethane	0.583	0.586	-0.5	127	0.00	5.50
9	M	chloroethane	0.410	0.439	-7.1	126	0.00	5.67
10	M	ethyl ether	0.481	0.486	-1.0	113	0.00	6.57
			Amount	Calc.	%Drift			
11	M	acetonitrile	50.000	50.594	-1.2	118	0.00	6.57
			AvgRF	CCRF	%Dev			
12	M	trichlorofluoromethane	1.027	1.111	-8.2	119	0.00	6.34
13	M	freon-113	0.533	0.614	-15.2	124	0.00	7.15
			Amount	Calc.	%Drift			
14	M	acrolein	250.000	188.268	24.7#	74	0.00	6.33
			AvgRF	CCRF	%Dev			
15	c	1,1-dichloroethene	0.585	0.636	-8.7	127	0.00	6.95
16	M	acetone	0.110	0.104	5.5	94	0.00	6.48
17	M	Methyl Acetate	0.807	0.820	-1.6	105	0.00	7.13
18	M	methylene chloride	0.697	0.756	-8.5	132	0.00	7.10
19	M	methyl tert butyl ether	1.494	1.507	-0.9	110	0.00	7.91
20	M	acrylonitrile	0.246	0.240	2.4	103	0.00	7.00
21	M	allyl chloride	1.158	1.155	0.3	118	0.00	7.19
22	M	trans-1,2-dichloroethene	0.676	0.737	-9.0	129	0.00	7.81
23	M	iodomethane	1.108	1.315	-18.7	135	0.00	7.01
24	M	carbon disulfide	1.967	2.205	-12.1	126	0.00	7.40
25	M	propionitrile	0.082	0.090	-9.8	120	-0.06	8.10
26	M	vinyl acetate	1.403	1.431	-2.0	107	0.00	8.17
27	M	chloroprene	1.019	1.031	-1.2	116	0.00	8.45
28	M	di-isopropyl ether	2.444	2.396	2.0	111	0.00	8.48
29	M	methacrylonitrile	0.412	0.376	8.7	101	0.00	8.60

Continuing Calibration Summary

Job Number: MC23948 **Sample:** MSM2033-CC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58920.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
30	M	2-butanone	50.000	36.805	26.4#	82	0.00	8.50
			AvgRF	CCRF	%Dev			
31	P	1,1-dichloroethane	1.091	1.101	-0.9	115	0.00	8.07
32	M	tert-butyl ethyl ether	1.811	1.796	0.8	108	0.00	8.88
33	M	isobutyl alcohol	0.091	0.080	12.1	104	0.00	8.88
34	M	2,2-dichloropropane	0.733	0.748	-2.0	115	0.00	8.95
35	M	cis-1,2-dichloroethene	0.761	0.796	-4.6	123	0.00	8.65
36	M	ethyl acetate	0.461	0.404	12.4	101	0.00	8.88
37	M	bromochloromethane	0.340	0.380	-11.8	129	0.00	8.82
38	c	chloroform	1.132	1.147	-1.3	116	0.00	8.86
39	S	dibromofluoromethane (s)	0.640	0.486	24.1#	87	0.00	8.98
40	M	Tetrahydrofuran	0.239	0.204	14.6	101	0.00	9.19
41	M	1,1,1-trichloroethane	0.921	0.975	-5.9	121	0.00	9.63
42	I	1,4-difluorobenzene	1.000	1.000	0.0	123	0.00	10.23
43	M	Cyclohexane	0.617	0.645	-4.5	118	0.00	9.92
44	M	carbon tetrachloride	0.511	0.554	-8.4	128	0.00	10.00
45	M	1,1-dichloropropene	0.513	0.523	-1.9	120	0.00	9.81
46	M	benzene	1.606	1.600	0.4	121	0.00	10.03
47	M	1,2-dichloroethane	0.507	0.501	1.2	109	0.00	9.52
48	M	tert-amyl methyl ether	0.867	0.862	0.6	111	0.00	10.15
49	M	heptane	0.681	0.698	-2.5	116	0.00	10.51
50	M	trichloroethene	0.425	0.437	-2.8	124	0.00	10.66
51	c	1,2-dichloropropane	0.417	0.417	0.0	115	0.00	10.62
52	M	dibromomethane	0.229	0.236	-3.1	117	0.00	10.60
53	M	bromodichloromethane	0.528	0.548	-3.8	117	0.00	10.72
54	M	Methylcyclohexane	0.650	0.705	-8.5	121	0.00	11.18
55	M	2-chloroethyl vinyl ether	0.166	0.152	8.4	103	0.00	11.09
56	M	methyl methacrylate	0.229	0.226	1.3	104	0.00	10.80
			Amount	Calc.	%Drift			
57	M	1,4-dioxane	250.000	250.727	-0.3	113	0.00	10.80
			AvgRF	CCRF	%Dev			
58	M	cis-1,3-dichloropropene	0.631	0.647	-2.5	117	0.00	11.34
59	S	toluene-d8 (s)	1.319	1.007	23.7#	88	0.00	12.04
60	M	4-methyl-2-pentanone	0.453	0.401	11.5	99	0.00	11.42
61	c	toluene	0.988	1.041	-5.4	124	0.00	12.12
62	M	trans-1,3-dichloropropene	0.522	0.535	-2.5	116	0.00	11.75
63	M	1,1,2-trichloroethane	0.280	0.290	-3.6	116	0.00	11.93
64	M	ethyl methacrylate	0.483	0.459	5.0	107	0.00	12.12
65	I	chlorobenzene-d5	1.000	1.000	0.0	125	0.00	13.51
66	M	tetrachloroethene	0.798	0.913	-14.4	135	0.00	12.86
67	M	1,3-dichloropropane	1.163	1.205	-3.6	115	0.00	12.16
68	M	dibromochloromethane	0.881	1.039	-17.9	129	0.00	12.46
69	M	1,2-dibromoethane	0.748	0.830	-11.0	121	0.00	12.71
70	M	2-hexanone	0.921	0.655	28.9#	79	0.00	12.29
71	P	chlorobenzene	2.460	2.786	-13.3	129	0.00	13.55
72	M	1,1,1,2-tetrachloroethane	0.854	1.024	-19.9	137	0.00	13.46
73	c	ethylbenzene	3.980	4.324	-8.6	122	0.00	13.71
74	M	m,p-xylene	1.672	1.866	-11.6	127	0.00	13.90
75	M	o-xylene	1.665	1.873	-12.5	128	0.00	14.31
76	M	styrene	2.517	2.872	-14.1	130	0.00	14.24
77	P	bromoform	0.515	0.623	-21.0#	134	0.00	14.07
78	M	trans-1,4-dichloro-2-bute	0.307	0.299	2.6	104	0.00	14.46

Continuing Calibration Summary

Job Number: MC23948 **Sample:** MSM2033-CC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58920.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	148	0.00	16.07
80	M	isopropylbenzene	4.233	4.057	4.2	125	0.00	14.68
81	S	bromofluorobenzene (s)	0.971	0.703	27.6#	96	0.00	14.74
82	M	bromobenzene	0.999	0.992	0.7	133	0.00	14.97
83	P	1,1,2,2-tetrachloroethane	1.044	0.908	13.0	110	0.00	14.32
84	M	1,2,3-trichloropropane	1.051	0.944	10.2	111	0.00	14.47
85	M	n-propylbenzene	4.902	4.554	7.1	120	0.00	15.12
86	M	2-chlorotoluene	2.880	2.720	5.6	124	0.00	15.24
87	M	4-chlorotoluene	2.869	2.673	6.8	124	0.00	15.32
88	M	1,3,5-trimethylbenzene	3.582	3.450	3.7	123	0.00	15.40
89	M	tert-butylbenzene	1.991	1.856	6.8	121	0.00	15.71
90	M	1,2,4-trimethylbenzene	3.520	3.409	3.2	125	0.00	15.81
91	M	sec-butylbenzene	4.844	4.699	3.0	123	0.00	15.93
92	M	1,3-dichlorobenzene	2.098	2.118	-1.0	136	0.00	16.04
93	M	p-isopropyltoluene	3.876	3.798	2.0	122	0.00	16.10
94	M	1,4-dichlorobenzene	2.215	2.181	1.5	128	0.00	16.10
95	M	1,2-dichlorobenzene	2.040	2.048	-0.4	136	0.00	16.47
96	M	n-butylbenzene	3.782	3.570	5.6	118	0.00	16.52
			Amount	Calc.	%Drift			
97	M	1,2-dibromo-3-chloropropa	50.000	47.780	4.4	120	0.00	16.95
			AvgRF	CCRF	%Dev			
98		1,3,5-trichlorobenzene	1.335	1.372	-2.8	135	0.00	17.76
99	M	1,2,4-trichlorobenzene	1.243	1.277	-2.7	134	0.00	18.31
100	M	hexachlorobutadiene	0.651	0.640	1.7	131	0.00	18.60
101	M	naphthalene	3.337	3.339	-0.1	132	0.00	18.58
102	M	1,2,3-trichlorobenzene	1.196	1.210	-1.2	133	0.00	18.79
103		2-methylnaphthalene	1.721	1.737	-0.9	130	0.00	19.98
			Amount	Calc.	%Drift			
104		1-methylnaphthalene	25.000	23.539	5.8	125	0.00	20.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m58641.D M130821S.M Tue Sep 03 11:48:04 2013

New England ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58926.D
Acq On : 3 Sep 2013 11:31 am
Operator : krystend
Sample : mc23948-1
Misc : MS29800,MSM2033,4.828,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 03 12:16:19 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

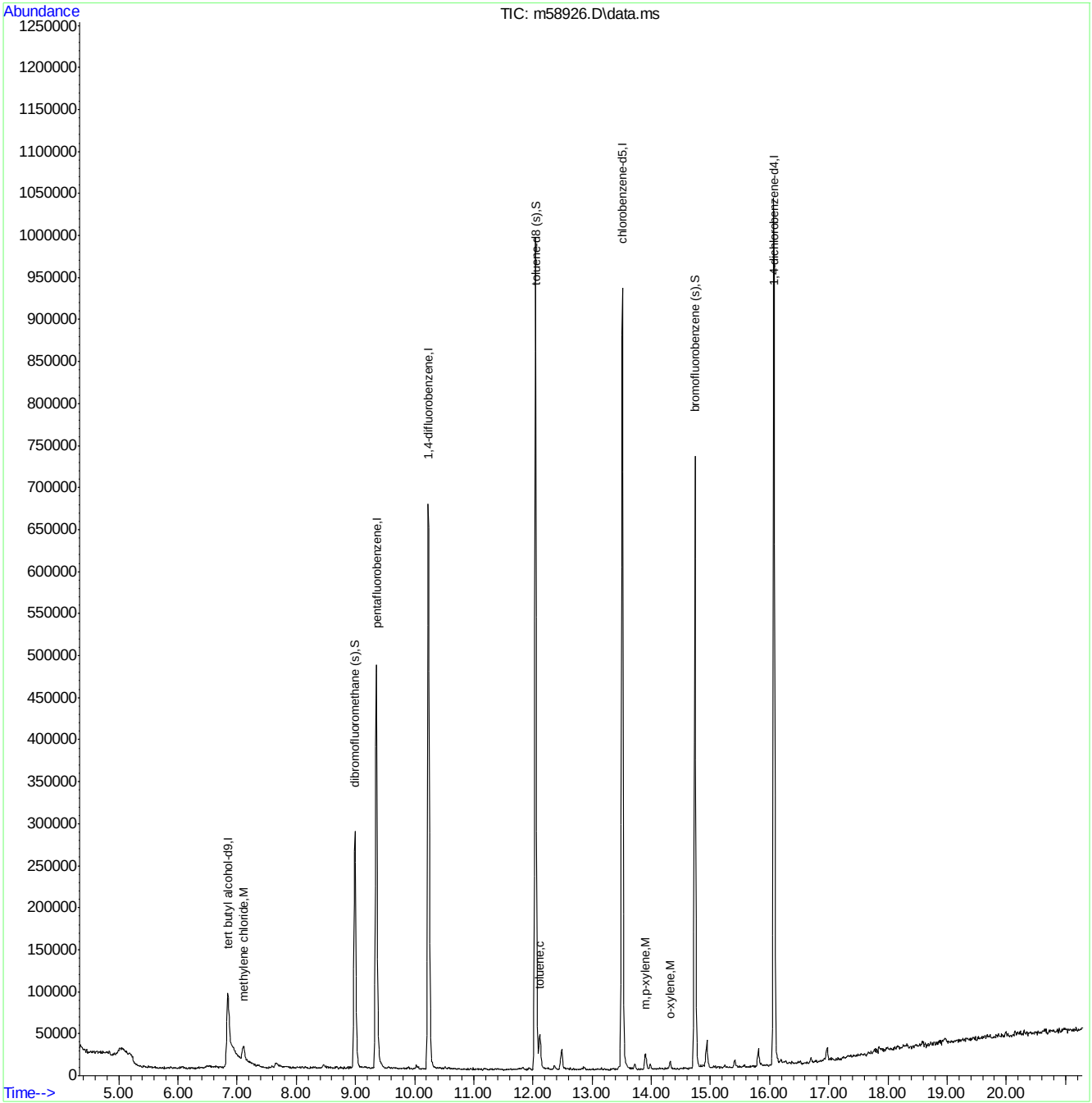
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	292458	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	384520	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	653431	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	285856	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	306028	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	204762	41.60	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.20%			
59) toluene-d8 (s)	12.043	98	729591	42.32	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.64%			
81) bromofluorobenzene (s)	14.738	95	268745	45.22	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.44%			
Target Compounds						Qvalue
18) methylene chloride	7.112	84	12991	2.42	ug/kg	82
61) toluene	12.117	92	18469	1.43	ug/kg	84
74) m,p-xylene	13.903	106	7085	0.74	ug/kg	91
75) o-xylene	14.313	106	2790	0.29	ug/kg#	72

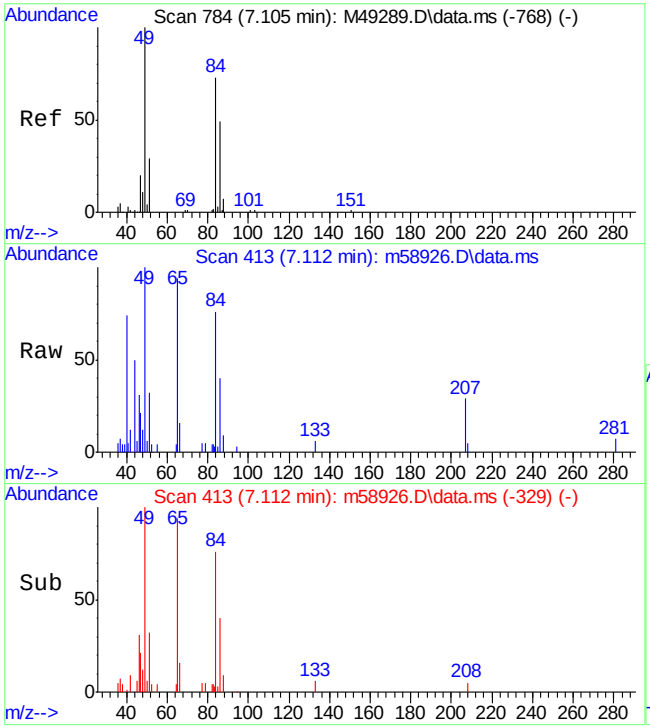
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58926.D
Acq On : 3 Sep 2013 11:31 am
Operator : krystend
Sample : mc23948-1
Misc : MS29800,MSM2033,4.828,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 03 12:16:19 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

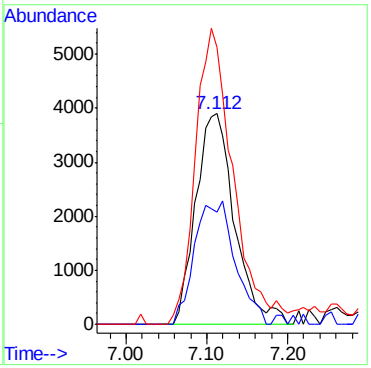


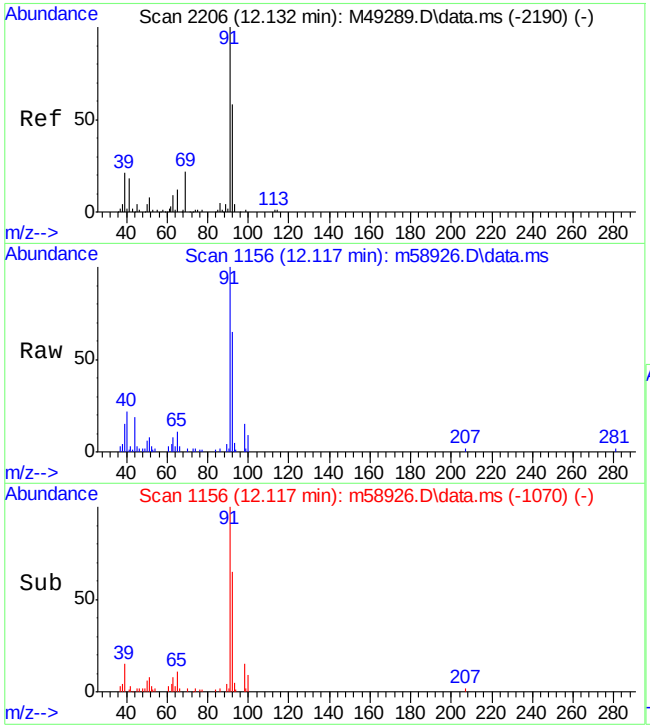


#18
methylene chloride
Concen: 2.42 ug/kg
RT: 7.112 min Scan# 413
Delta R.T. 0.007 min
Lab File: m58926.D
Acq: 3 Sep 2013 11:31 am

Tgt Ion: 84 Resp: 12991

Ion	Ratio	Lower	Upper
84	100		
86	53.3	37.2	97.2
49	131.9	125.7	185.7

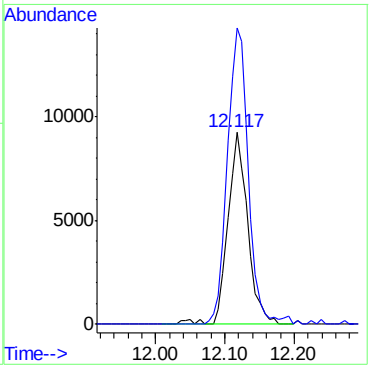


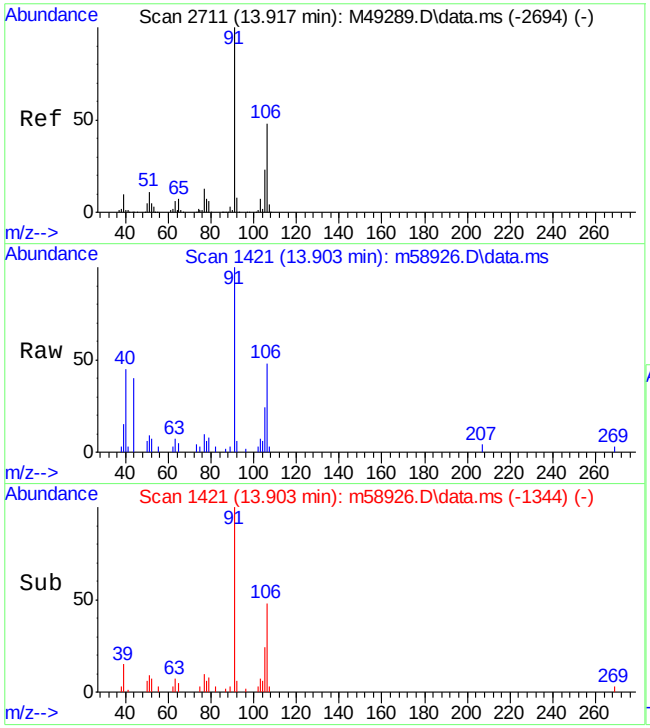


#61
toluene
Concen: 1.43 ug/kg
RT: 12.117 min Scan# 1156
Delta R.T. 0.000 min
Lab File: m58926.D
Acq: 3 Sep 2013 11:31 am

Tgt Ion: 92 Resp: 18469

Ion	Ratio	Lower	Upper
92	100		
91	154.0	145.9	205.9

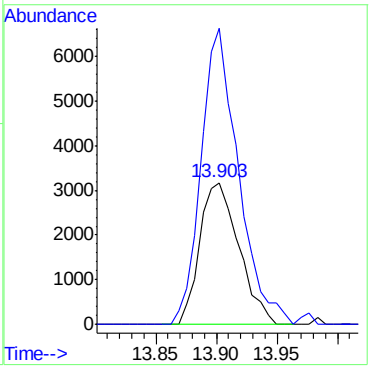


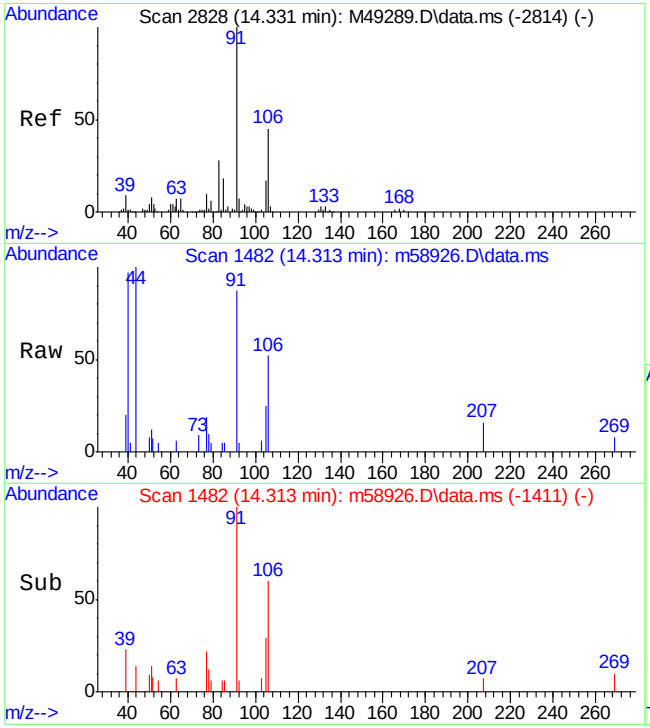


#74
m,p-xylene
Concen: 0.74 ug/kg
RT: 13.903 min Scan# 1421
Delta R.T. 0.001 min
Lab File: m58926.D
Acq: 3 Sep 2013 11:31 am

Tgt Ion:106 Resp: 7085

Ion	Ratio	Lower	Upper
106	100		
91	209.2	166.0	226.0

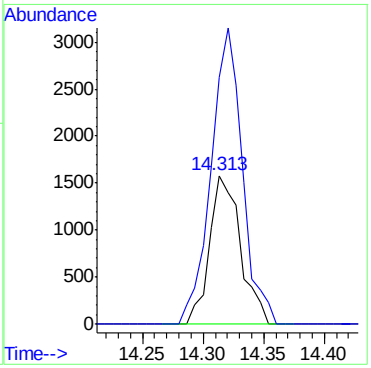




#75
o-xylene
Concen: 0.29 ug/kg
RT: 14.313 min Scan# 1482
Delta R.T. 0.000 min
Lab File: m58926.D
Acq: 3 Sep 2013 11:31 am

Tgt Ion:106 Resp: 2790

Ion	Ratio	Lower	Upper
106	100		
91	166.5	180.6	240.6#



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58926.D
Acq On : 3 Sep 2013 11:31 am
Operator : krystend
Sample : mc23948-1
Misc : MS29800,MSM2033,4.828,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

Signal : TIC: m58926.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.843	361	373	405	rBV2	89059	496920	25.51%	4.362%
2	7.106	405	412	487	rVV3	26460	197770	10.15%	1.736%
3	7.665	487	495	543	rVB7	7126	62855	3.23%	0.552%
4	8.015	543	547	563	rBV10	2694	13054	0.67%	0.115%
5	8.460	603	613	643	rBV10	4315	22476	1.15%	0.197%
6	8.992	683	692	735	rVB	281854	661086	33.94%	5.803%
7	9.349	735	745	821	rVB	481503	1095303	56.23%	9.614%
8	9.901	821	827	841	rBV5	2563	7046	0.36%	0.062%
9	10.029	841	846	867	rVV6	5232	13322	0.68%	0.117%
10	10.231	867	876	913	rVV	673094	1396025	71.67%	12.253%
11	10.514	913	918	931	rVB8	2856	10673	0.55%	0.094%
12	10.837	963	966	973	rVB3	1479	3022	0.16%	0.027%
13	10.905	973	976	987	rVB4	2248	6824	0.35%	0.060%
14	11.033	993	995	1001	rVB3	1886	3113	0.16%	0.027%
15	11.127	1001	1009	1011	rBV5	1526	3629	0.19%	0.032%
16	11.174	1011	1016	1025	rVB4	2248	6518	0.33%	0.057%
17	11.538	1065	1070	1073	rVB3	1542	2847	0.15%	0.025%
18	11.626	1073	1083	1087	rBV4	1902	5292	0.27%	0.046%
19	11.767	1097	1104	1105	rBV2	1679	2393	0.12%	0.021%
20	11.828	1107	1113	1125	rVB4	3566	13120	0.67%	0.115%
21	11.929	1125	1128	1135	rVB4	3259	8085	0.42%	0.071%
22	12.043	1135	1145	1153	rBV	991959	1865373	95.77%	16.373%
23	12.367	1187	1193	1201	rBV5	4943	11674	0.60%	0.102%
24	12.488	1201	1211	1231	rVB2	24707	67216	3.45%	0.590%
25	12.852	1255	1265	1291	rVB9	4268	21528	1.11%	0.189%
26	13.155	1291	1310	1315	rBV4	3115	12187	0.63%	0.107%
27	13.209	1315	1318	1327	rVB3	1984	3943	0.20%	0.035%
28	13.343	1331	1338	1339	rBV3	2159	2685	0.14%	0.024%
29	13.512	1347	1363	1385	rBV	930336	1754761	90.09%	15.402%
30	13.721	1389	1394	1407	rVB5	7594	17487	0.90%	0.153%
31	13.903	1411	1421	1429	rVV	18630	42897	2.20%	0.377%
32	13.983	1429	1433	1441	rVB5	6626	12593	0.65%	0.111%
33	14.320	1475	1483	1533	rBV9	9072	23176	1.19%	0.203%
34	14.738	1537	1545	1569	rVV	728699	1336136	68.60%	11.728%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58926.D
Acq On : 3 Sep 2013 11:31 am
Operator : krystend
Sample : mc23948-1
Misc : MS29800,MSM2033,4.828,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

35	14.940	1569	1575	1589	rVB	33026	76006	3.90%	0.667%
36	15.129	1599	1603	1615	rBV7	2624	8969	0.46%	0.079%
37	15.243	1615	1620	1639	rVB7	4294	11762	0.60%	0.103%
38	15.418	1639	1646	1663	rBV9	9060	27006	1.39%	0.237%
39	15.809	1697	1704	1735	rBV6	22656	75793	3.89%	0.665%
40	16.072	1735	1743	1831	rVV	1032485	1947738	100.00%	17.096%
41	16.698	1831	1836	1871	rBV	6941	42660	2.19%	0.374%

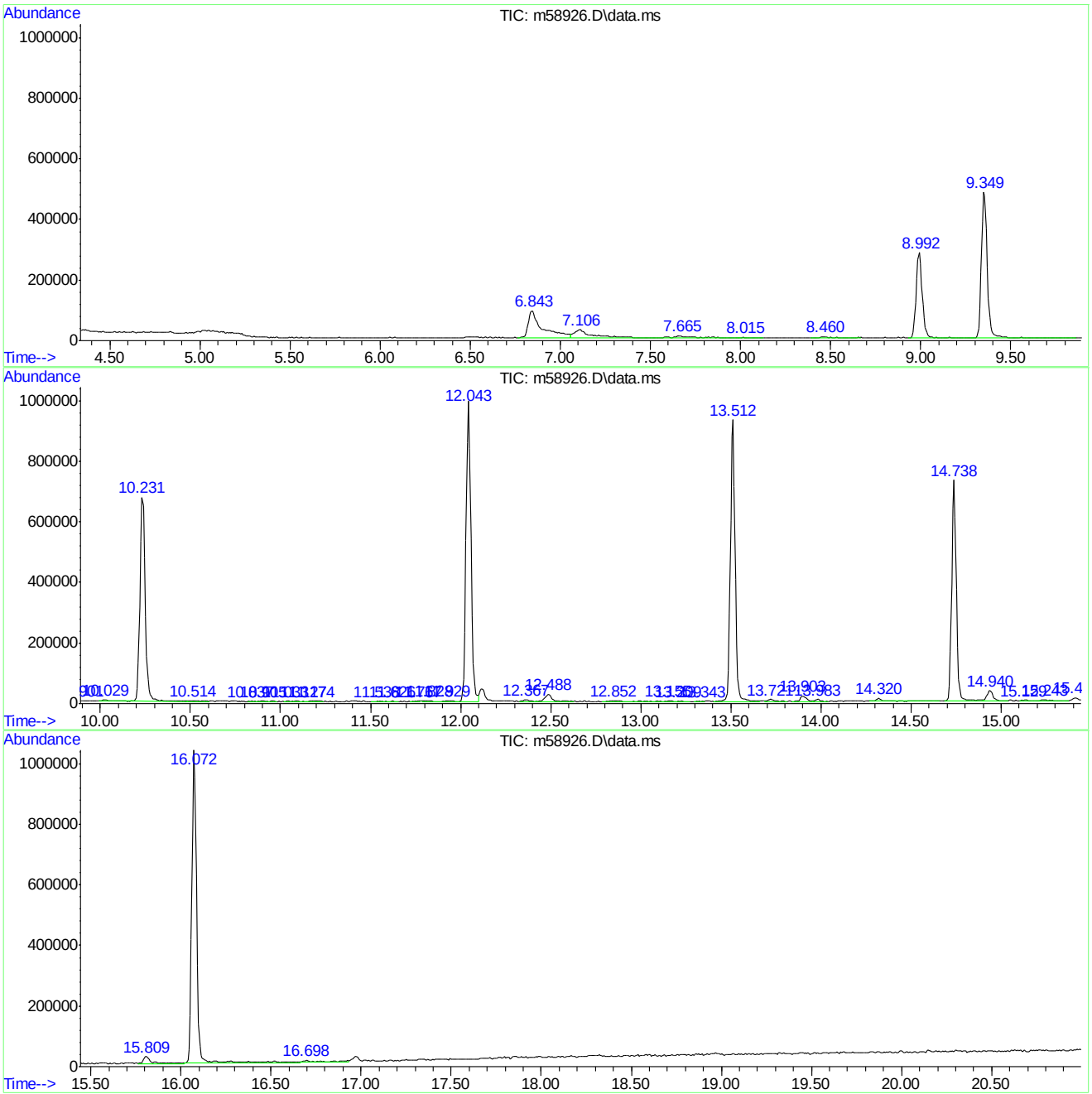
Sum of corrected areas: 11392963

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58926.D
Acq On : 3 Sep 2013 11:31 am
Operator : krystend
Sample : mc23948-1
Misc : MS29800,MSM2033,4.828,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58926.D
Acq On : 3 Sep 2013 11:31 am
Operator : krystend
Sample : mc23948-1
Misc : MS29800,MSM2033,4.828,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58926.D
Acq On : 3 Sep 2013 11:31 am
Operator : krystend
Sample : mc23948-1
Misc : MS29800,MSM2033,4.828,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58927.D
Acq On : 3 Sep 2013 12:00 pm
Operator : krystend
Sample : mc23948-2
Misc : MS29800,MSM2033,5.484,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 12:31:39 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	266493	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	382860	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	653313	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	275497	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	294003	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	201473	41.11	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 82.22%			
59) toluene-d8 (s)	12.043	98	708854	41.12	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 82.24%			
81) bromofluorobenzene (s)	14.738	95	259241	45.40	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.80%			
Target Compounds						Qvalue
18) methylene chloride	7.099	84	12838	2.41	ug/kg	92
24) carbon disulfide	7.395	76	6525	0.43	ug/kg	86
61) toluene	12.124	92	10084	0.78	ug/kg	90
66) tetrachloroethene	12.858	166	3299	0.75	ug/kg	98
74) m,p-xylene	13.896	106	3327	0.36	ug/kg#	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

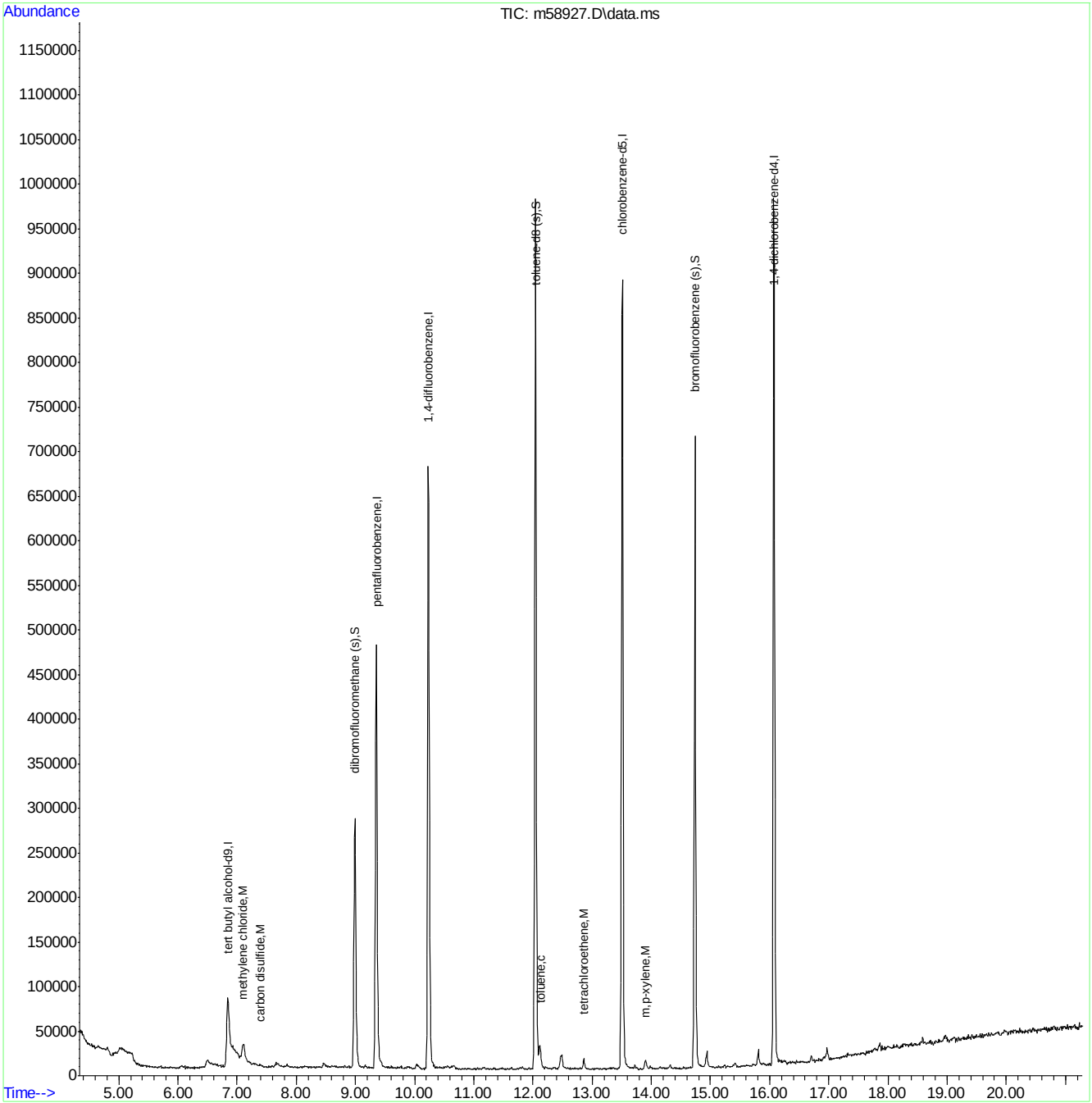
7.1.3

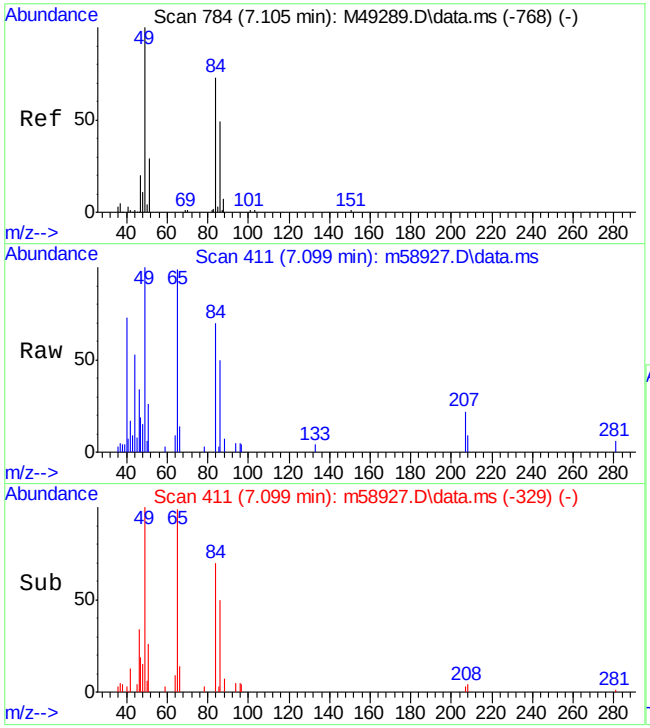
7

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58927.D
Acq On : 3 Sep 2013 12:00 pm
Operator : krystend
Sample : mc23948-2
Misc : MS29800,MSM2033,5.484,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 12:31:39 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

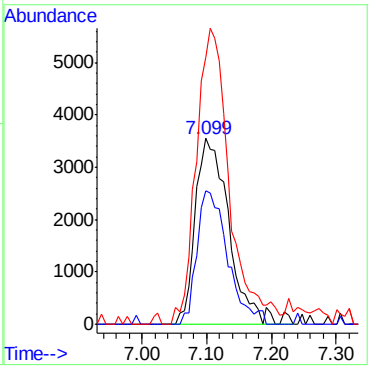


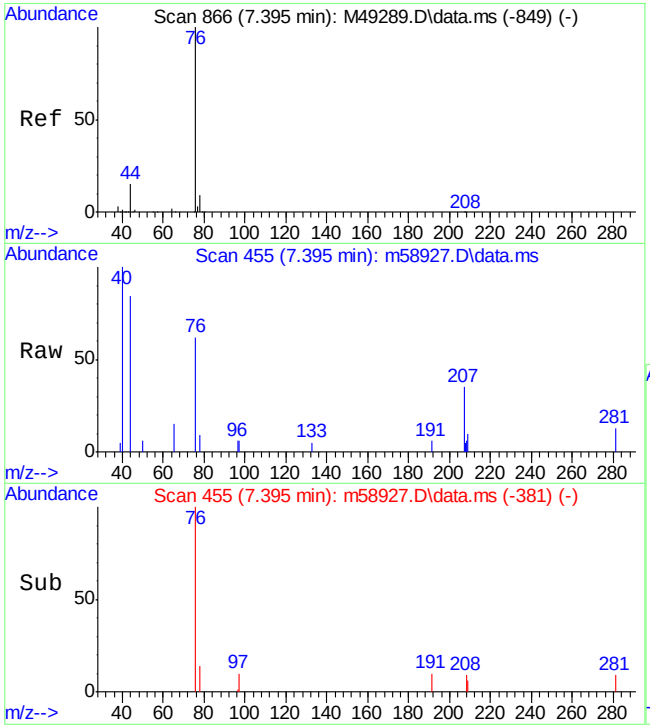


#18
methylene chloride
Concen: 2.41 ug/kg
RT: 7.099 min Scan# 411
Delta R.T. -0.006 min
Lab File: m58927.D
Acq: 3 Sep 2013 12:00 pm

Tgt Ion: 84 Resp: 12838

Ion	Ratio	Lower	Upper
84	100		
86	71.9	37.2	97.2
49	143.6	125.7	185.7

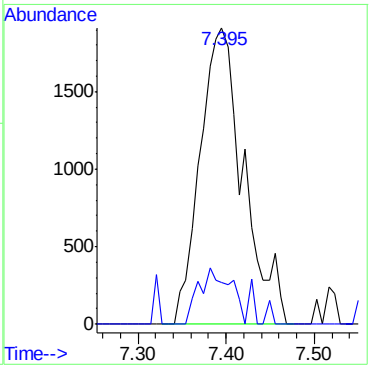


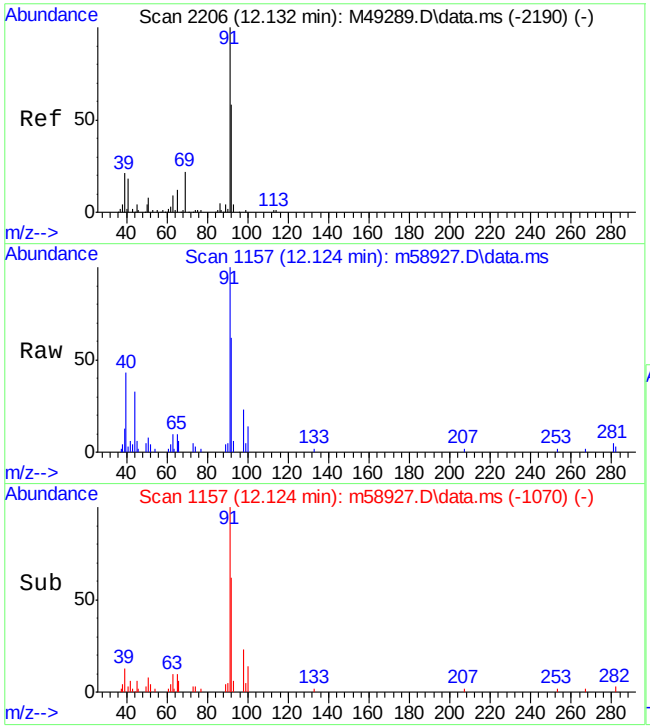


#24
carbon disulfide
Concen: 0.43 ug/kg
RT: 7.395 min Scan# 455
Delta R.T. 0.000 min
Lab File: m58927.D
Acq: 3 Sep 2013 12:00 pm

Tgt Ion: 76 Resp: 6525

Ion	Ratio	Lower	Upper
76	100		
78	14.1	0.0	39.1

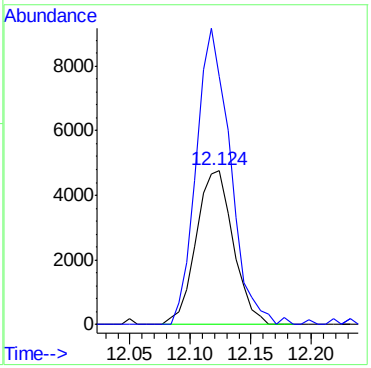


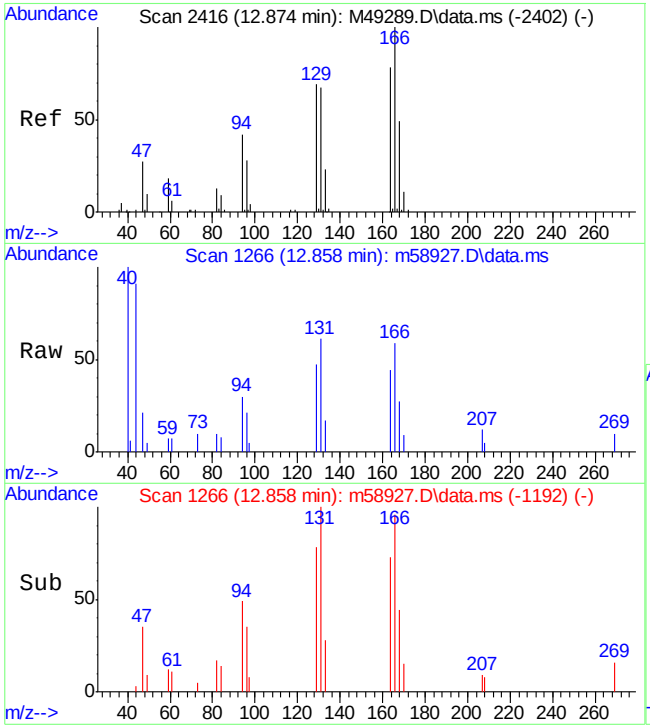


#61
toluene
Concen: 0.78 ug/kg
RT: 12.124 min Scan# 1157
Delta R.T. 0.007 min
Lab File: m58927.D
Acq: 3 Sep 2013 12:00 pm

Tgt Ion: 92 Resp: 10084

Ion	Ratio	Lower	Upper
92	100		
91	161.2	145.9	205.9

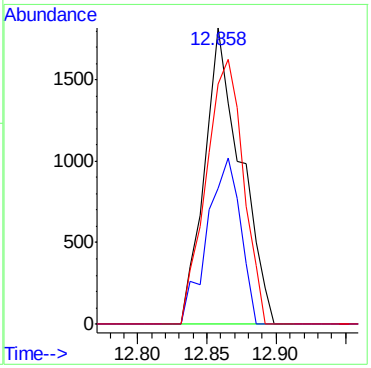


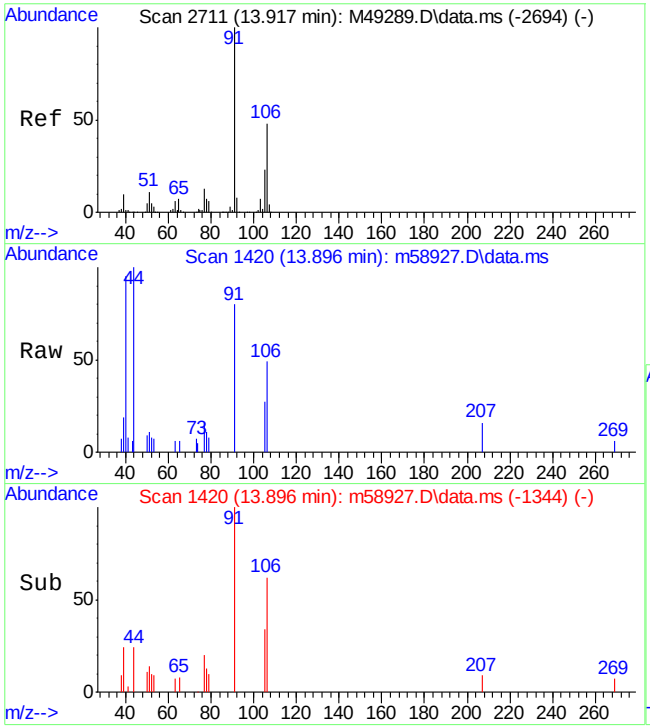


#66
tetrachloroethene
Concen: 0.75 ug/kg
RT: 12.858 min Scan# 1266
Delta R.T. 0.000 min
Lab File: m58927.D
Acq: 3 Sep 2013 12:00 pm

Tgt Ion:166 Resp: 3299

Ion	Ratio	Lower	Upper
166	100		
168	45.7	16.5	76.5
129	81.1	49.6	109.6

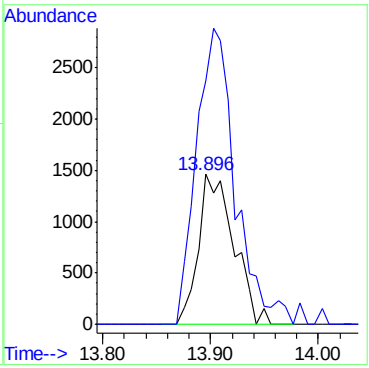




#74
m,p-xylene
Concen: 0.36 ug/kg
RT: 13.896 min Scan# 1420
Delta R.T. -0.006 min
Lab File: m58927.D
Acq: 3 Sep 2013 12:00 pm

Tgt Ion:106 Resp: 3327

Ion	Ratio	Lower	Upper
106	100		
91	162.4	166.0	226.0#



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58927.D
Acq On : 3 Sep 2013 12:00 pm
Operator : krystend
Sample : mc23948-2
Misc : MS29800,MSM2033,5.484,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

Signal : TIC: m58927.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.061	251	257	273	rVB	2914	13481	0.72%	0.123%
2	6.499	313	322	363	rBV9	7636	66674	3.55%	0.608%
3	6.843	363	373	405	rVV2	78385	450261	23.99%	4.108%
4	7.105	405	412	469	rVB7	26610	189081	10.07%	1.725%
5	8.459	609	613	631	rBV10	5041	16218	0.86%	0.148%
6	8.992	679	692	737	rBV	280871	676481	36.04%	6.172%
7	9.349	737	745	769	rVV	475110	1051632	56.03%	9.595%
8	9.605	781	783	801	rVB8	2640	3448	0.18%	0.031%
9	9.780	803	809	815	rVB6	3731	6146	0.33%	0.056%
10	9.881	815	824	839	rBV7	2696	11118	0.59%	0.101%
11	10.036	839	847	867	rVB6	5482	16964	0.90%	0.155%
12	10.231	867	876	895	rBV	676211	1373674	73.19%	12.534%
13	10.379	895	898	913	rVV9	2115	9800	0.52%	0.089%
14	10.554	913	924	931	rVV6	3535	14369	0.77%	0.131%
15	10.628	931	935	959	rVB6	4188	16321	0.87%	0.149%
16	11.066	989	1000	1001	rVB4	1986	4749	0.25%	0.043%
17	11.100	1001	1005	1009	rVB3	1399	2510	0.13%	0.023%
18	11.167	1009	1015	1029	rBV8	2797	11136	0.59%	0.102%
19	11.363	1039	1044	1047	rVB2	1287	2375	0.13%	0.022%
20	11.477	1055	1061	1063	rVB4	2586	3412	0.18%	0.031%
21	11.565	1071	1074	1079	rBV3	2049	4035	0.21%	0.037%
22	11.632	1079	1084	1097	rVV5	2212	6374	0.34%	0.058%
23	11.821	1097	1112	1123	rVV8	3547	11903	0.63%	0.109%
24	11.935	1123	1129	1133	rBV3	2255	3333	0.18%	0.030%
25	12.043	1133	1145	1169	rVV	975785	1876829	100.00%	17.125%
26	12.366	1185	1193	1201	rVB5	2476	7268	0.39%	0.066%
27	12.488	1201	1211	1233	rBV6	16152	58487	3.12%	0.534%
28	12.865	1259	1267	1281	rVB6	11998	26597	1.42%	0.243%
29	13.512	1349	1363	1389	rBV	885797	1682371	89.64%	15.350%
30	13.720	1389	1394	1405	rVB5	5196	10520	0.56%	0.096%
31	13.902	1411	1421	1429	rBV6	10362	24976	1.33%	0.228%
32	14.152	1449	1458	1471	rBV9	2257	9171	0.49%	0.084%
33	14.320	1479	1483	1497	rVB7	4332	12114	0.65%	0.111%
34	14.542	1513	1516	1531	rVB8	2065	6959	0.37%	0.063%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58927.D
Acq On : 3 Sep 2013 12:00 pm
Operator : krystend
Sample : mc23948-2
Misc : MS29800,MSM2033,5.484,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

35	14.738	1535	1545	1567	rVV	709276	1294959	69.00%	11.816%
36	14.940	1567	1575	1615	rVB4	18464	49350	2.63%	0.450%
37	15.418	1637	1646	1659	rVB4	5227	13595	0.72%	0.124%
38	15.809	1697	1704	1735	rBV5	18140	45584	2.43%	0.416%
39	16.071	1735	1743	1831	rBV	971931	1824024	97.19%	16.643%
40	16.705	1831	1837	1871	rBV	8099	51527	2.75%	0.470%

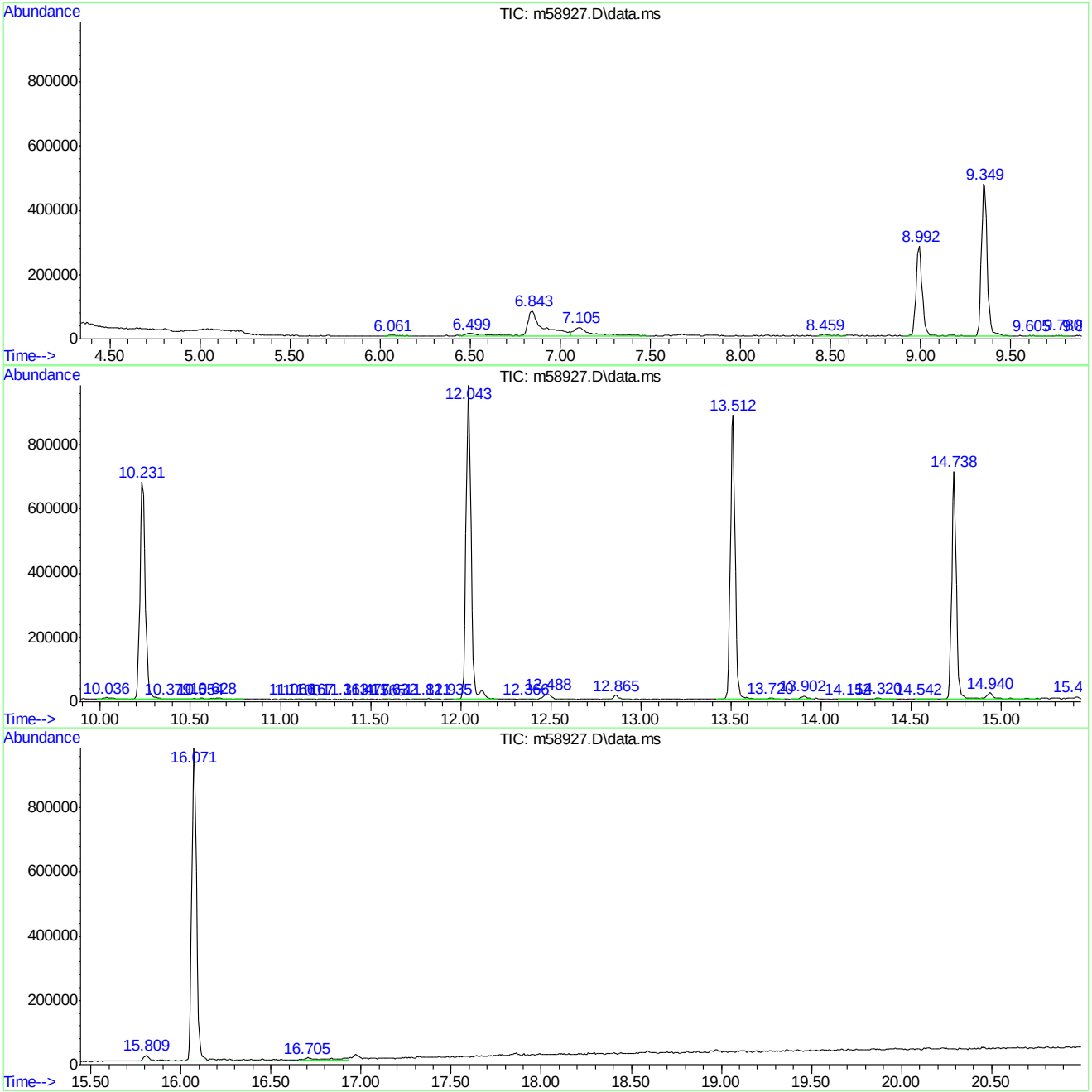
Sum of corrected areas: 10959826

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58927.D
Acq On : 3 Sep 2013 12:00 pm
Operator : krystend
Sample : mc23948-2
Misc : MS29800,MSM2033,5.484,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58927.D
Acq On : 3 Sep 2013 12:00 pm
Operator : krystend
Sample : mc23948-2
Misc : MS29800,MSM2033,5.484,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58927.D
Acq On : 3 Sep 2013 12:00 pm
Operator : krystend
Sample : mc23948-2
Misc : MS29800,MSM2033,5.484,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58928.D
Acq On : 3 Sep 2013 12:29 pm
Operator : krystend
Sample : mc23948-4
Misc : MS29800,MSM2033,4.651,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 03 13:54:48 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

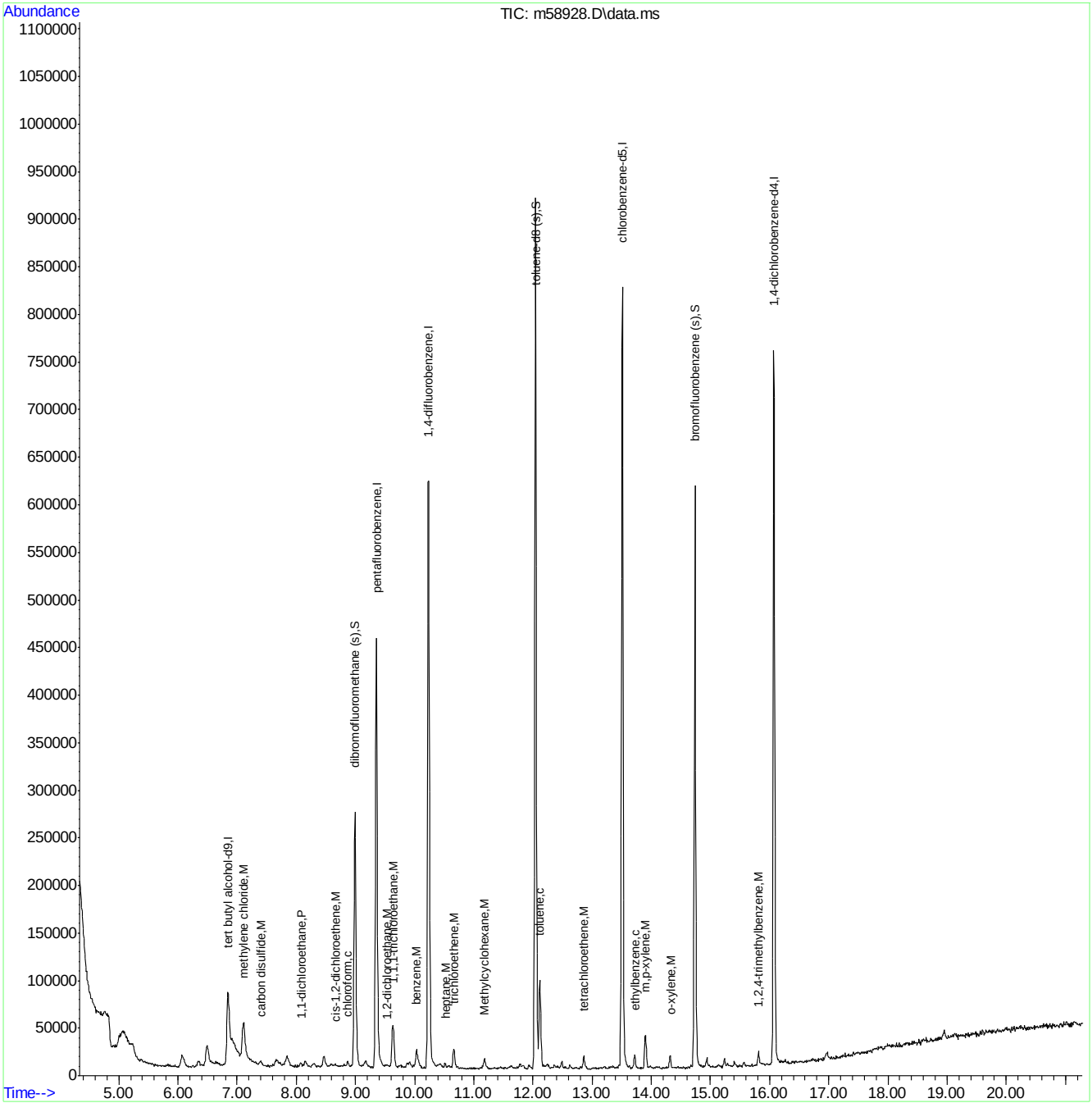
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	277365	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	364369	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.238	114	613241	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	250884	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	230990	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	193713	41.53	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.06%			
59) toluene-d8 (s)	12.043	98	673637	41.63	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.26%			
81) bromofluorobenzene (s)	14.738	95	223831	49.89	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.78%			
Target Compounds						Qvalue
18) methylene chloride	7.112	84	31607	6.22	ug/kg	93
24) carbon disulfide	7.402	76	11215	0.78	ug/kg	87
31) 1,1-dichloroethane	8.082	63	4994	0.63	ug/kg	100
35) cis-1,2-dichloroethene	8.668	96	2869	0.52	ug/kg#	62
38) chloroform	8.870	83	4670	0.57	ug/kg	97
41) 1,1,1-trichloroethane	9.638	97	36033	5.37	ug/kg	95
46) benzene	10.036	78	17294	0.88	ug/kg	98
47) 1,2-dichloroethane	9.537	62	2633	0.42	ug/kg	86
49) heptane	10.521	43	5578	0.67	ug/kg	84
50) trichloroethene	10.662	95	7828	1.50	ug/kg	92
54) Methylcyclohexane	11.174	83	4232	0.53	ug/kg	82
61) toluene	12.117	92	42539	3.51	ug/kg	99
66) tetrachloroethene	12.858	166	4107	1.03	ug/kg	92
73) ethylbenzene	13.721	91	12142	0.61	ug/kg	85
74) m,p-xylene	13.896	106	13738	1.64	ug/kg	83
75) o-xylene	14.327	106	4274	0.51	ug/kg#	57
90) 1,2,4-trimethylbenzene	15.809	105	6354	0.39	ug/kg	91

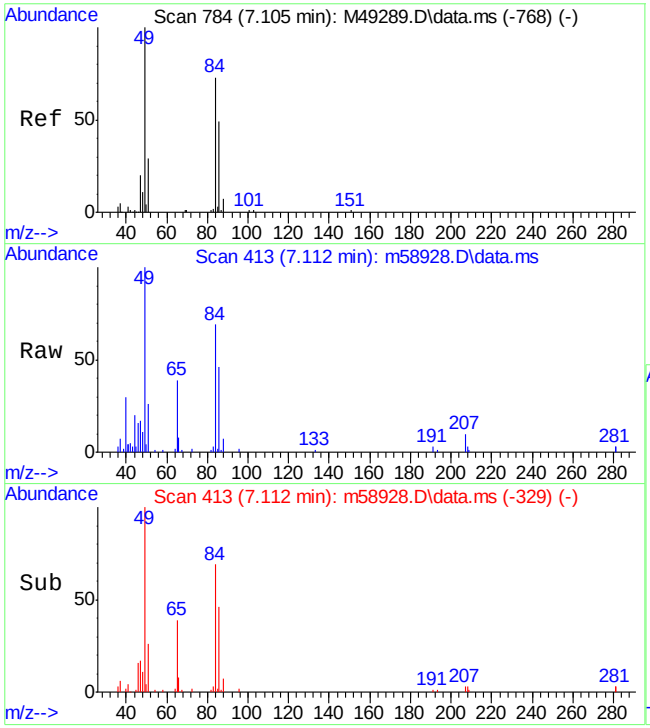
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58928.D
Acq On : 3 Sep 2013 12:29 pm
Operator : krystend
Sample : mc23948-4
Misc : MS29800,MSM2033,4.651,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 03 13:54:48 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

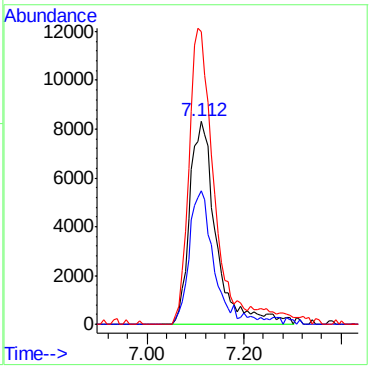


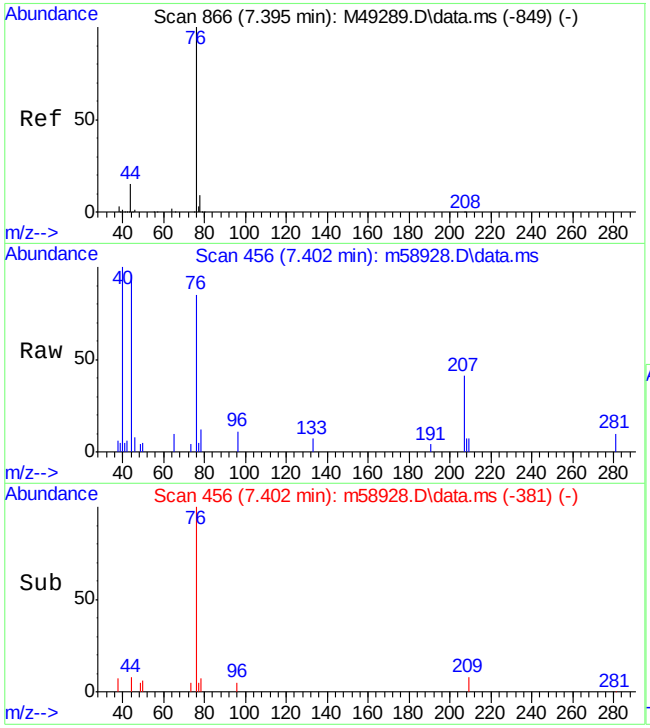


#18
methylene chloride
Concen: 6.22 ug/kg
RT: 7.112 min Scan# 413
Delta R.T. 0.007 min
Lab File: m58928.D
Acq: 3 Sep 2013 12:29 pm

Tgt Ion: 84 Resp: 31607

Ion	Ratio	Lower	Upper
84	100		
86	65.7	37.2	97.2
49	144.2	125.7	185.7

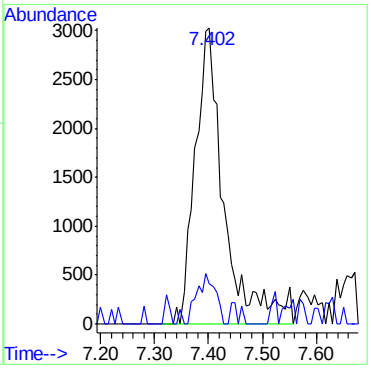


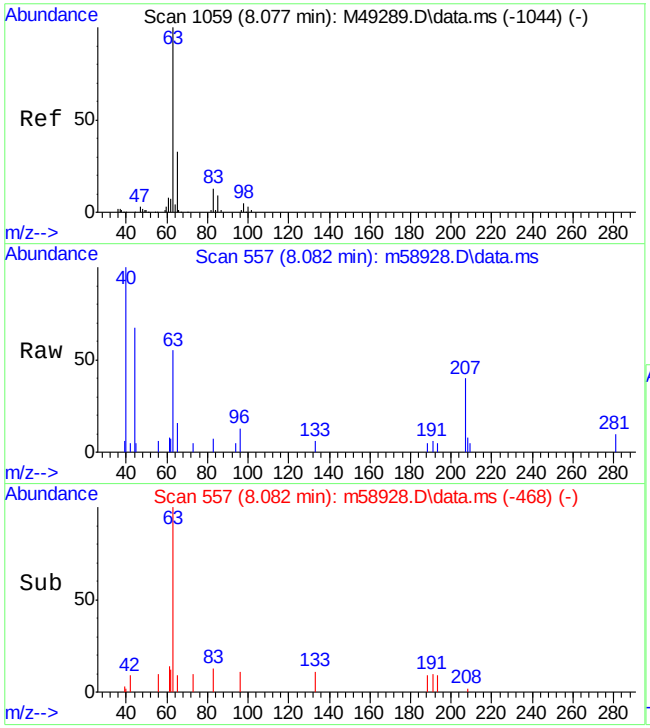


#24
carbon disulfide
Concen: 0.78 ug/kg
RT: 7.402 min Scan# 456
Delta R.T. 0.007 min
Lab File: m58928.D
Acq: 3 Sep 2013 12:29 pm

Tgt Ion: 76 Resp: 11215

Ion	Ratio	Lower	Upper
76	100		
78	13.6	0.0	39.1

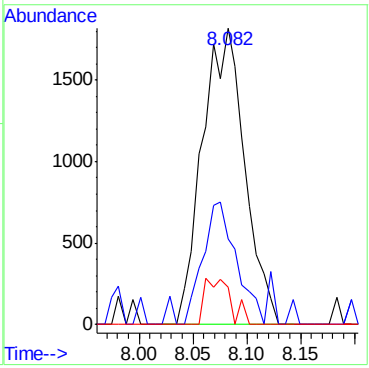


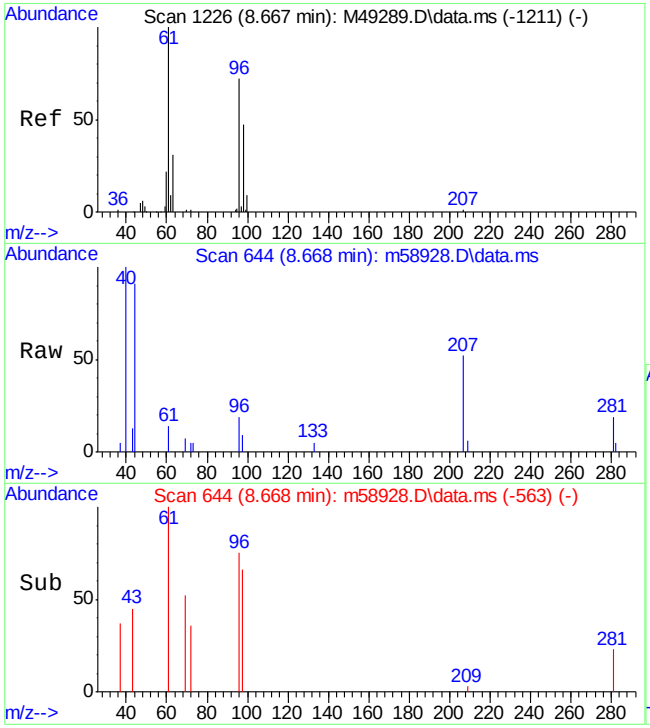


#31
1,1-dichloroethane
Concen: 0.63 ug/kg
RT: 8.082 min Scan# 557
Delta R.T. 0.007 min
Lab File: m58928.D
Acq: 3 Sep 2013 12:29 pm

Tgt Ion: 63 Resp: 4994

Ion	Ratio	Lower	Upper
63	100		
65	28.8	0.0	59.0
83	12.5	0.0	42.5

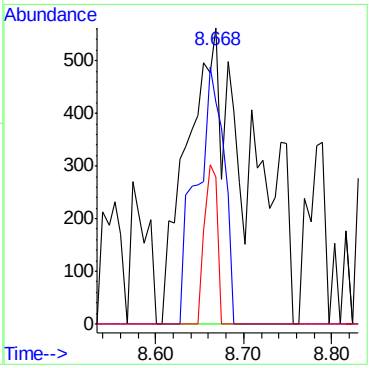


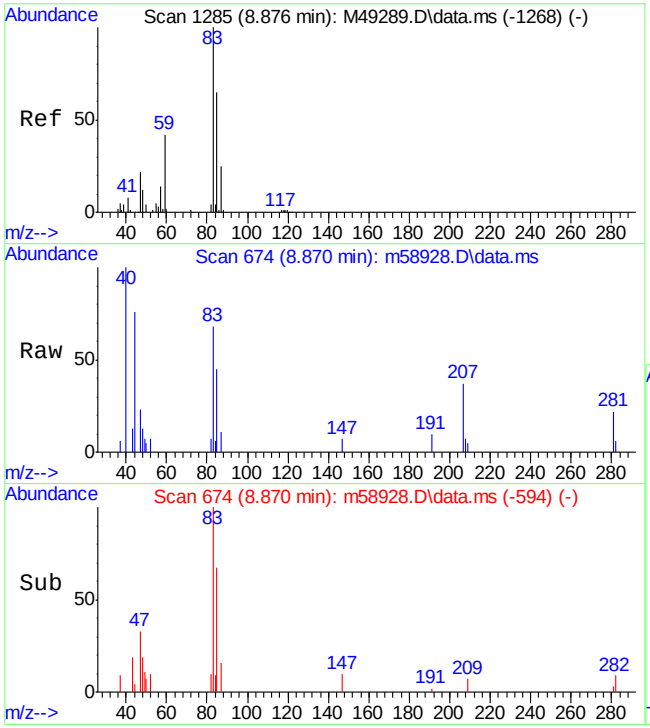


#35
cis-1,2-dichloroethene
Concen: 0.52 ug/kg
RT: 8.668 min Scan# 644
Delta R.T. 0.013 min
Lab File: m58928.D
Acq: 3 Sep 2013 12:29 pm

Tgt Ion: 96 Resp: 2869

Ion	Ratio	Lower	Upper
96	100		
61	75.1	102.0	162.0#
98	49.6	32.2	92.2

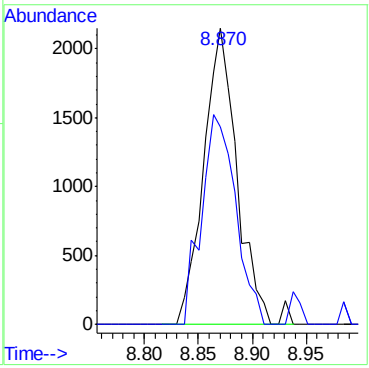


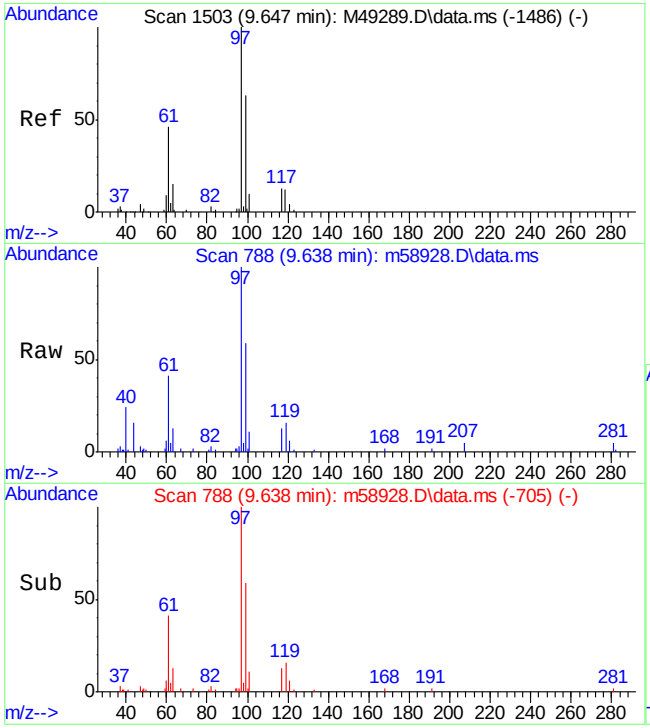


#38
chloroform
Concen: 0.57 ug/kg
RT: 8.870 min Scan# 674
Delta R.T. 0.006 min
Lab File: m58928.D
Acq: 3 Sep 2013 12:29 pm

Tgt Ion: 83 Resp: 4670

Ion	Ratio	Lower	Upper
83	100		
85	66.5	34.0	94.0

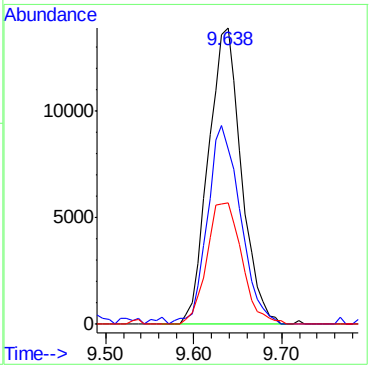


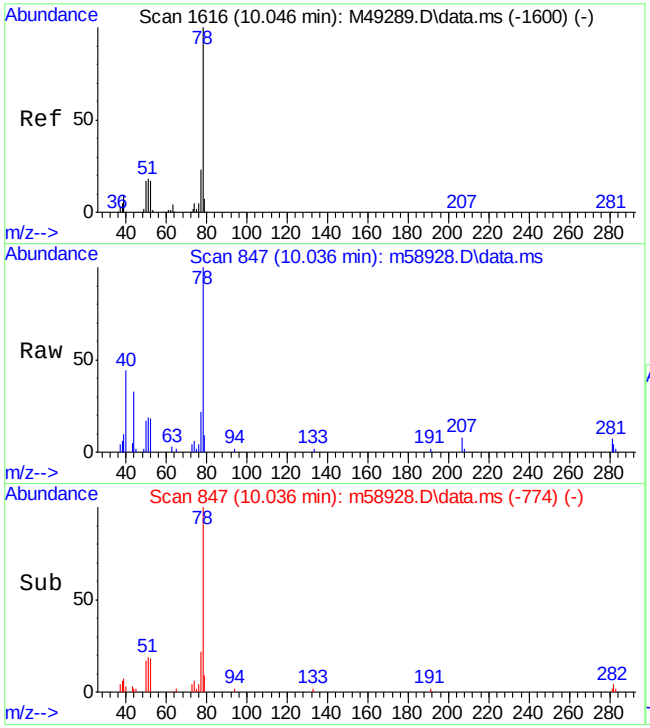


#41
1,1,1-trichloroethane
Concen: 5.37 ug/kg
RT: 9.638 min Scan# 788
Delta R.T. 0.006 min
Lab File: m58928.D
Acq: 3 Sep 2013 12:29 pm

Tgt Ion: 97 Resp: 36033

Ion	Ratio	Lower	Upper
97	100		
99	59.0	32.6	92.6
61	40.9	15.1	75.1

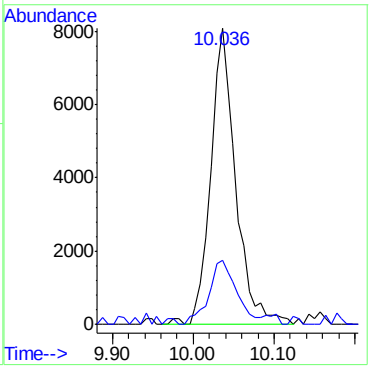


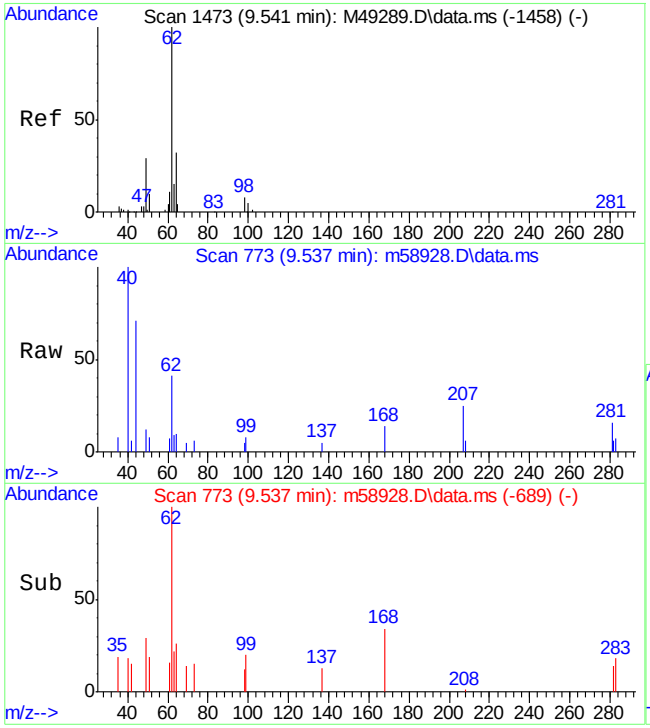


#46
benzene
Concen: 0.88 ug/kg
RT: 10.036 min Scan# 847
Delta R.T. -0.000 min
Lab File: m58928.D
Acq: 3 Sep 2013 12:29 pm

Tgt Ion: 78 Resp: 17294

Ion	Ratio	Lower	Upper
78	100		
77	21.6	0.0	52.6

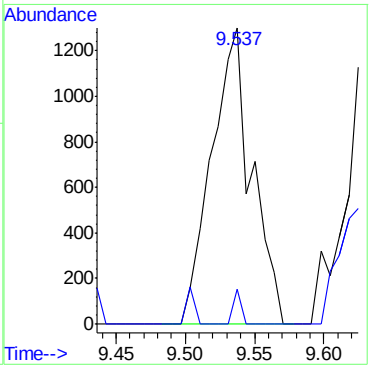


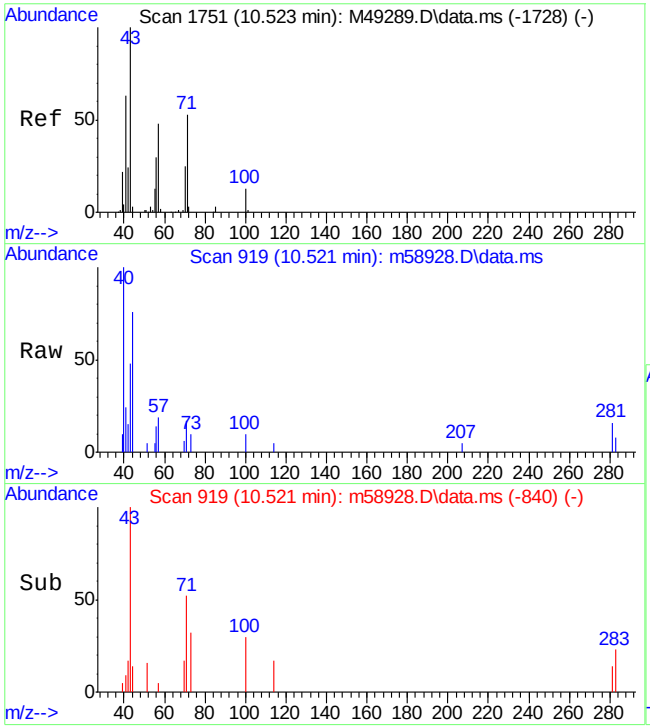


#47
1,2-dichloroethane
Concen: 0.42 ug/kg
RT: 9.537 min Scan# 773
Delta R.T. 0.007 min
Lab File: m58928.D
Acq: 3 Sep 2013 12:29 pm

Tgt Ion: 62 Resp: 2633

Ion	Ratio	Lower	Upper
62	100		
98	11.9	0.0	37.2

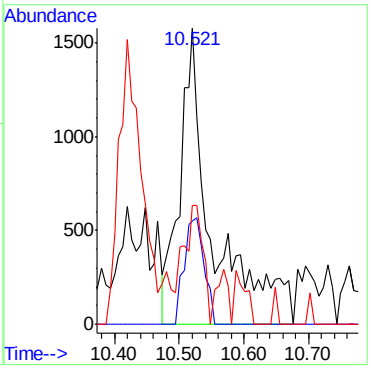


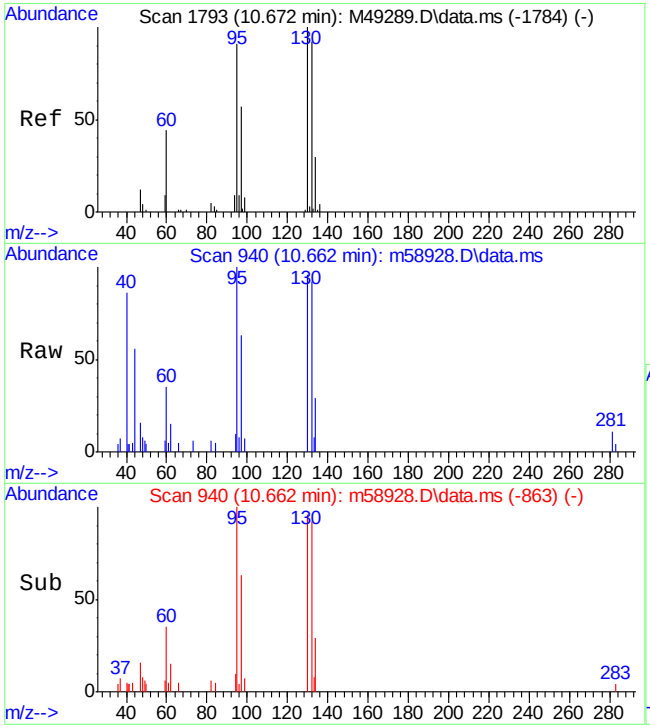


#49
heptane
Concen: 0.67 ug/kg
RT: 10.521 min Scan# 919
Delta R.T. 0.014 min
Lab File: m58928.D
Acq: 3 Sep 2013 12:29 pm

Tgt Ion: 43 Resp: 5578

Ion	Ratio	Lower	Upper
43	100		
71	34.8	18.2	78.2
57	40.1	18.7	78.7

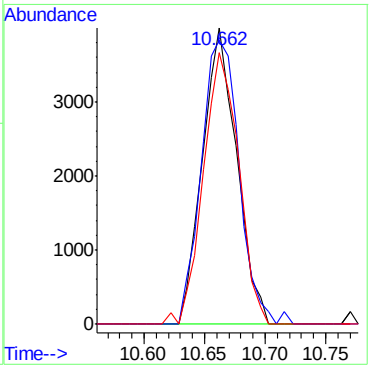


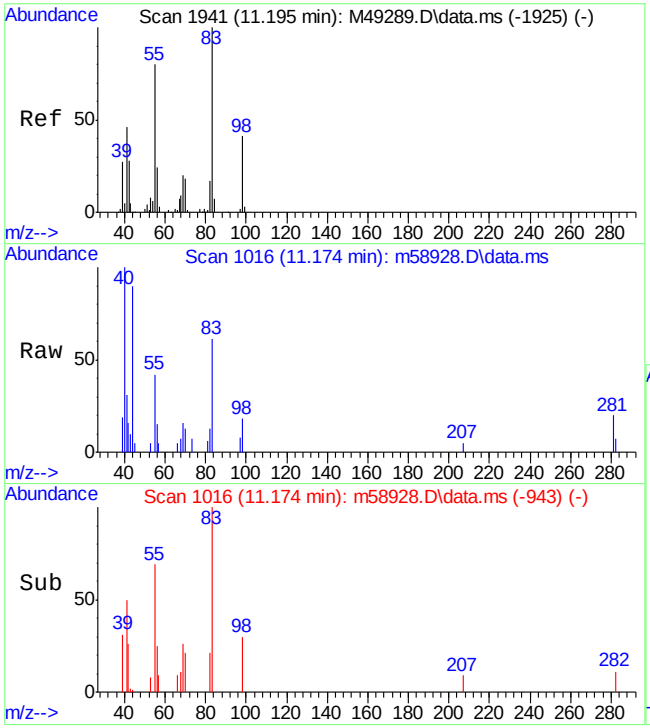


#50
trichloroethene
Concen: 1.50 ug/kg
RT: 10.662 min Scan# 940
Delta R.T. 0.000 min
Lab File: m58928.D
Acq: 3 Sep 2013 12:29 pm

Tgt Ion: 95 Resp: 7828

Ion	Ratio	Lower	Upper
95	100		
130	95.7	73.0	133.0
132	91.6	70.3	130.3

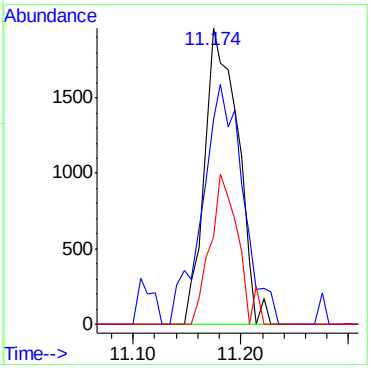


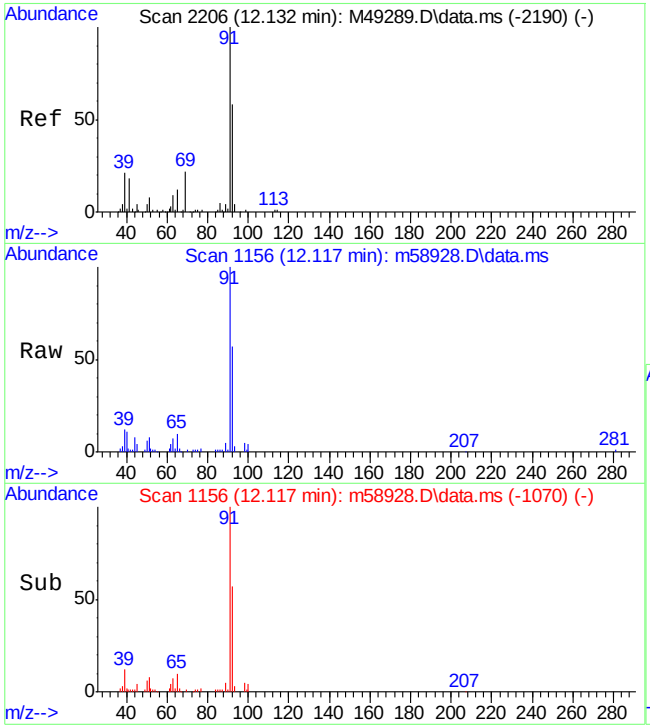


#54
Methylcyclohexane
Concen: 0.53 ug/kg
RT: 11.174 min Scan# 1016
Delta R.T. -0.007 min
Lab File: m58928.D
Acq: 3 Sep 2013 12:29 pm

Tgt Ion: 83 Resp: 4232

Ion	Ratio	Lower	Upper
83	100		
55	69.1	63.6	103.6
98	29.5	23.6	63.6

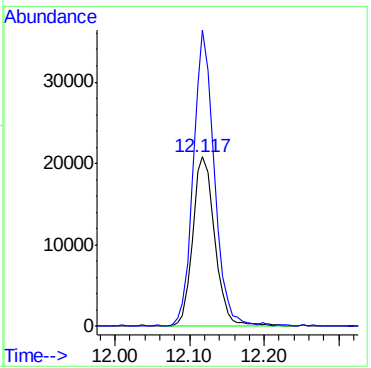


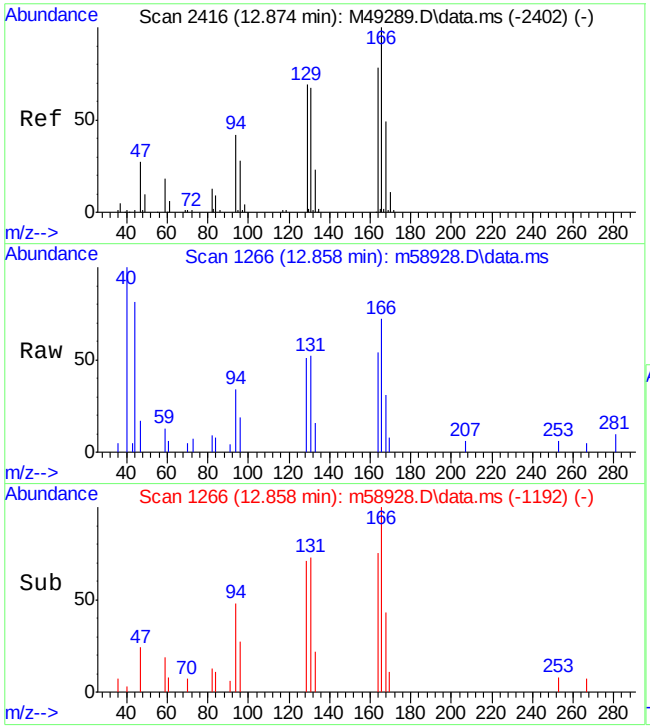


#61
toluene
Concen: 3.51 ug/kg
RT: 12.117 min Scan# 1156
Delta R.T. 0.000 min
Lab File: m58928.D
Acq: 3 Sep 2013 12:29 pm

Tgt Ion: 92 Resp: 42539

Ion	Ratio	Lower	Upper
92	100		
91	174.9	145.9	205.9

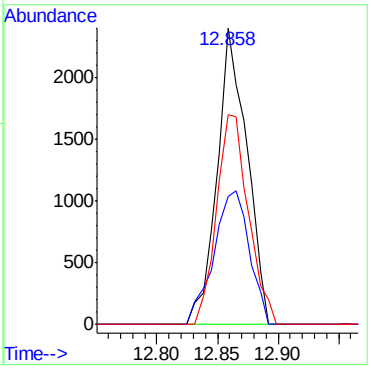


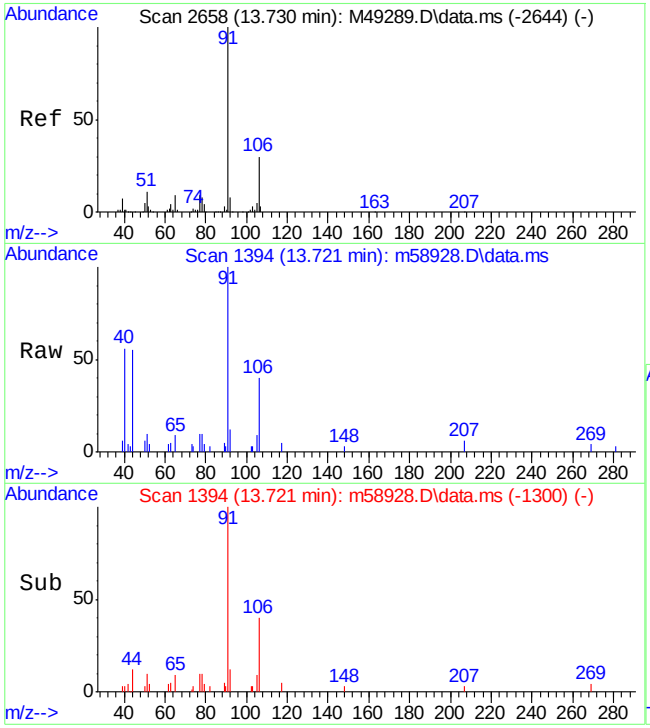


#66
tetrachloroethene
Concen: 1.03 ug/kg
RT: 12.858 min Scan# 1266
Delta R.T. 0.000 min
Lab File: m58928.D
Acq: 3 Sep 2013 12:29 pm

Tgt Ion:166 Resp: 4107

Ion	Ratio	Lower	Upper
166	100		
168	43.4	16.5	76.5
129	70.9	49.6	109.6

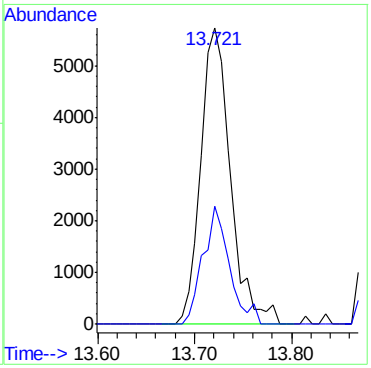


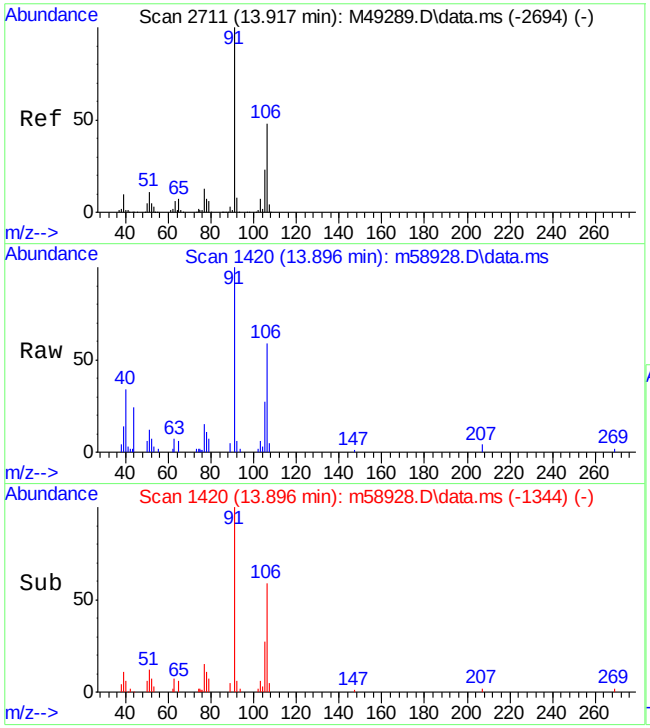


#73
ethylbenzene
Concen: 0.61 ug/kg
RT: 13.721 min Scan# 1394
Delta R.T. 0.007 min
Lab File: m58928.D
Acq: 3 Sep 2013 12:29 pm

Tgt Ion: 91 Resp: 12142

Ion	Ratio	Lower	Upper
91	100		
106	39.8	1.7	61.7

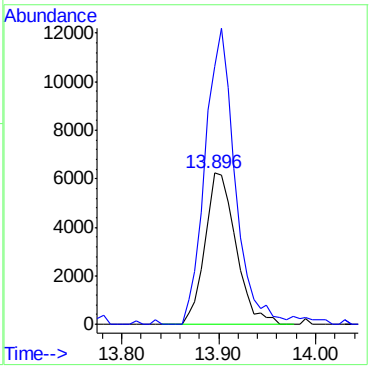


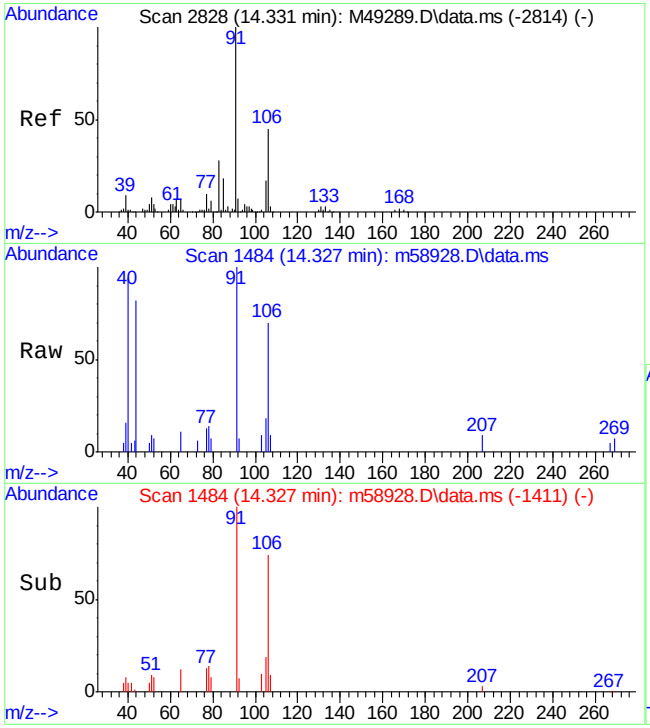


#74
m,p-xylene
Concen: 1.64 ug/kg
RT: 13.896 min Scan# 1420
Delta R.T. -0.006 min
Lab File: m58928.D
Acq: 3 Sep 2013 12:29 pm

Tgt Ion:106 Resp: 13738

Ion	Ratio	Lower	Upper
106	100		
91	170.6	166.0	226.0

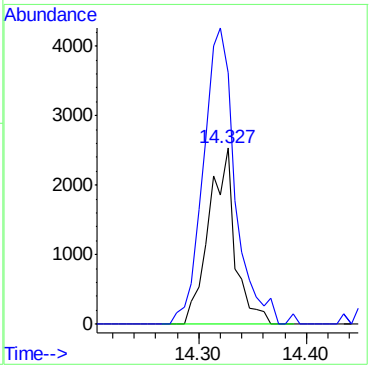


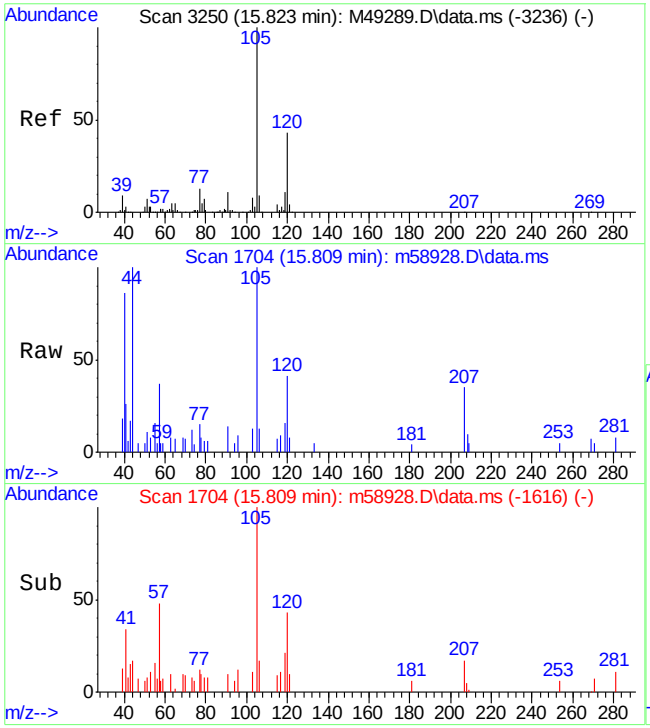


#75
o-xylene
Concen: 0.51 ug/kg
RT: 14.327 min Scan# 1484
Delta R.T. 0.014 min
Lab File: m58928.D
Acq: 3 Sep 2013 12:29 pm

Tgt Ion:106 Resp: 4274

Ion	Ratio	Lower	Upper
106	100		
91	142.8	180.6	240.6#

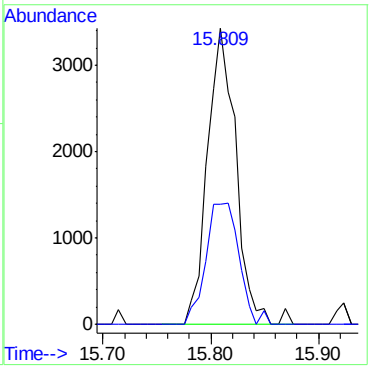




#90
1,2,4-trimethylbenzene
Concen: 0.39 ug/kg
RT: 15.809 min Scan# 1704
Delta R.T. -0.000 min
Lab File: m58928.D
Acq: 3 Sep 2013 12:29 pm

Tgt Ion:105 Resp: 6354

Ion	Ratio	Lower	Upper
105	100		
120	40.7	16.7	76.7



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58928.D
Acq On : 3 Sep 2013 12:29 pm
Operator : krystend
Sample : mc23948-4
Misc : MS29800,MSM2033,4.651,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

Signal : TIC: m58928.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.068	249	258	289	rVB3	13029	57689	3.33%	0.526%
2	6.338	289	298	313	rBV3	6413	28353	1.64%	0.259%
3	6.492	313	321	363	rVV4	21923	113623	6.55%	1.037%
4	6.843	363	373	403	rVV	76981	440311	25.40%	4.017%
5	7.112	403	413	449	rVB4	44543	226812	13.08%	2.069%
6	7.658	487	494	509	rBV5	6813	26013	1.50%	0.237%
7	7.846	515	522	551	rVB7	11763	46799	2.70%	0.427%
8	8.075	551	556	563	rBV4	4529	11920	0.69%	0.109%
9	8.284	581	587	597	rVB4	3869	13871	0.80%	0.127%
10	8.473	605	615	629	rBV4	10587	32453	1.87%	0.296%
11	8.594	629	633	661	rVV4	3188	17746	1.02%	0.162%
12	8.810	661	665	669	rVV6	3074	5345	0.31%	0.049%
13	8.870	669	674	681	rVV3	5979	13580	0.78%	0.124%
14	8.992	681	692	713	rVV	268271	621571	35.85%	5.671%
15	9.180	713	720	737	rVB9	7998	34389	1.98%	0.314%
16	9.355	737	746	777	rBV	452669	1031783	59.52%	9.414%
17	9.632	777	787	801	rVV2	44881	131463	7.58%	1.199%
18	9.766	801	807	815	rVV6	3111	7828	0.45%	0.071%
19	9.921	815	830	837	rVV7	6377	30218	1.74%	0.276%
20	10.036	837	847	867	rVB4	19949	65696	3.79%	0.599%
21	10.238	867	877	915	rBV	617274	1338074	77.18%	12.209%
22	10.507	915	917	931	rVV8	5741	19054	1.10%	0.174%
23	10.662	931	940	977	rVB4	21413	66011	3.81%	0.602%
24	11.040	993	996	1003	rVB3	1316	2942	0.17%	0.027%
25	11.181	1003	1017	1033	rBV6	11334	39477	2.28%	0.360%
26	11.343	1033	1041	1049	rBV5	1942	6860	0.40%	0.063%
27	11.457	1049	1058	1075	rVV5	2338	12503	0.72%	0.114%
28	11.639	1075	1085	1095	rVV9	3537	15590	0.90%	0.142%
29	11.774	1095	1105	1125	rVV9	5276	25956	1.50%	0.237%
30	11.929	1125	1128	1137	rVB6	4760	10832	0.62%	0.099%
31	12.043	1137	1145	1153	rBV	915705	1733632	100.00%	15.818%
32	12.117	1153	1156	1169	rVV	93486	184480	10.64%	1.683%
33	12.245	1169	1175	1189	rVV6	4904	20265	1.17%	0.185%
34	12.360	1189	1192	1205	rVV10	4077	14124	0.81%	0.129%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58928.D
Acq On : 3 Sep 2013 12:29 pm
Operator : krystend
Sample : mc23948-4
Misc : MS29800,MSM2033,4.651,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

35	12.495	1205	1212	1227	rVV4	7915	21413	1.24%	0.195%
36	12.623	1227	1231	1251	rVB9	4122	11240	0.65%	0.103%
37	12.858	1255	1266	1283	rVB4	14420	42670	2.46%	0.389%
38	13.020	1283	1290	1293	rBV5	2062	5235	0.30%	0.048%
39	13.148	1303	1309	1313	rBV4	1932	3013	0.17%	0.027%
40	13.202	1313	1317	1331	rVV9	2106	8357	0.48%	0.076%
41	13.350	1331	1339	1347	rVV9	3012	9627	0.56%	0.088%
42	13.512	1347	1363	1385	rVV	821126	1549113	89.36%	14.134%
43	13.721	1385	1394	1405	rVB2	14648	32110	1.85%	0.293%
44	13.902	1413	1421	1441	rVB2	35484	86219	4.97%	0.787%
45	14.105	1441	1451	1461	rVB6	2667	10173	0.59%	0.093%
46	14.259	1463	1474	1475	rBV4	2317	4261	0.25%	0.039%
47	14.320	1475	1483	1511	rVB4	13196	31061	1.79%	0.283%
48	14.536	1511	1515	1521	rVB5	2433	5460	0.31%	0.050%
49	14.738	1521	1545	1567	rBV	612902	1152498	66.48%	10.515%
50	14.940	1567	1575	1613	rVV5	10163	38569	2.22%	0.352%
51	15.236	1613	1619	1639	rVV4	9122	28287	1.63%	0.258%
52	15.405	1639	1644	1653	rVB7	6265	14247	0.82%	0.130%
53	15.492	1653	1657	1663	rBV8	2432	4590	0.26%	0.042%
54	15.573	1663	1669	1685	rBV10	5171	16805	0.97%	0.153%
55	15.809	1697	1704	1735	rBV4	15040	47795	2.76%	0.436%
56	16.072	1735	1743	1767	rBV	749858	1390128	80.19%	12.683%

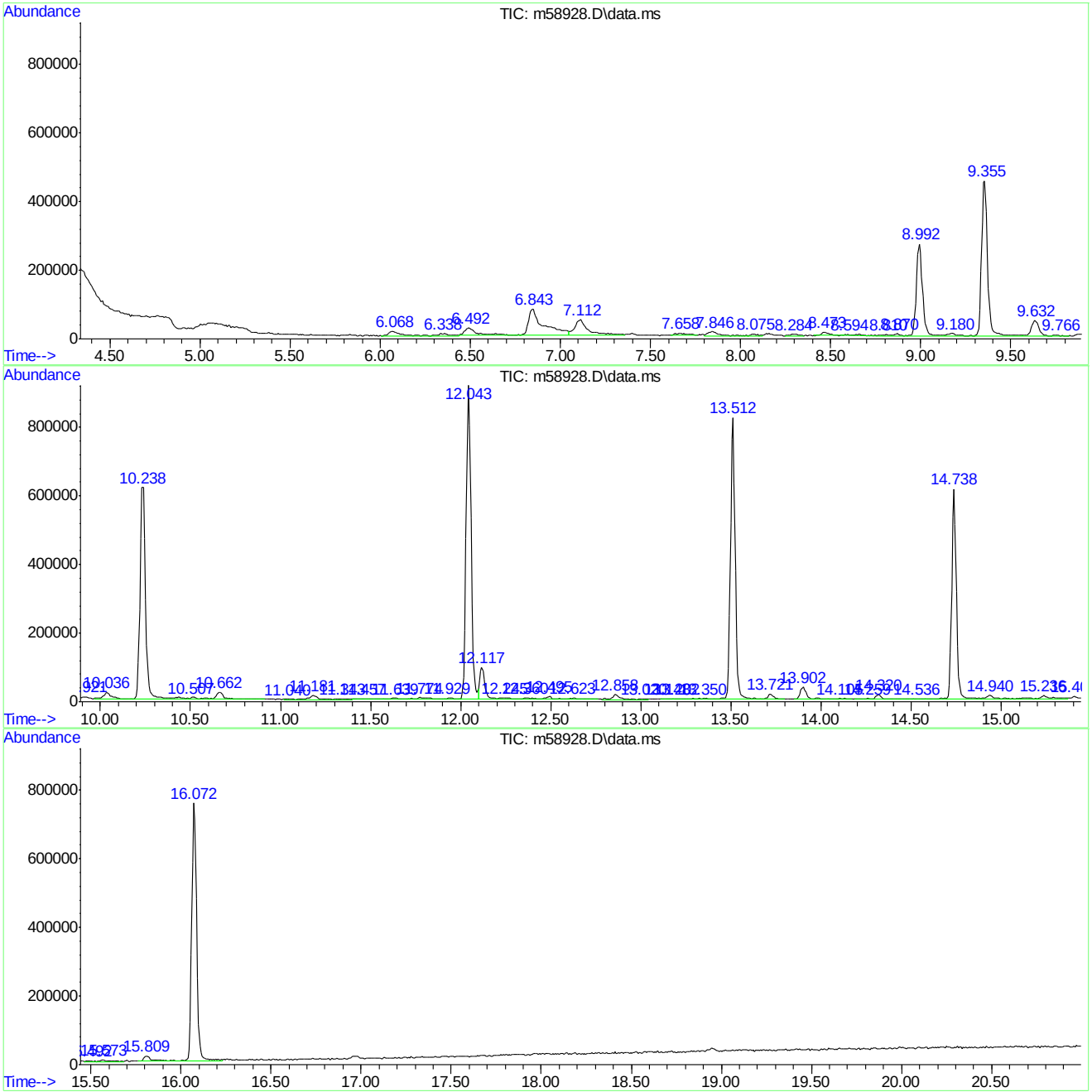
Sum of corrected areas: 10960134

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58928.D
Acq On : 3 Sep 2013 12:29 pm
Operator : krystend
Sample : mc23948-4
Misc : MS29800,MSM2033,4.651,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58928.D
Acq On : 3 Sep 2013 12:29 pm
Operator : krystend
Sample : mc23948-4
Misc : MS29800,MSM2033,4.651,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

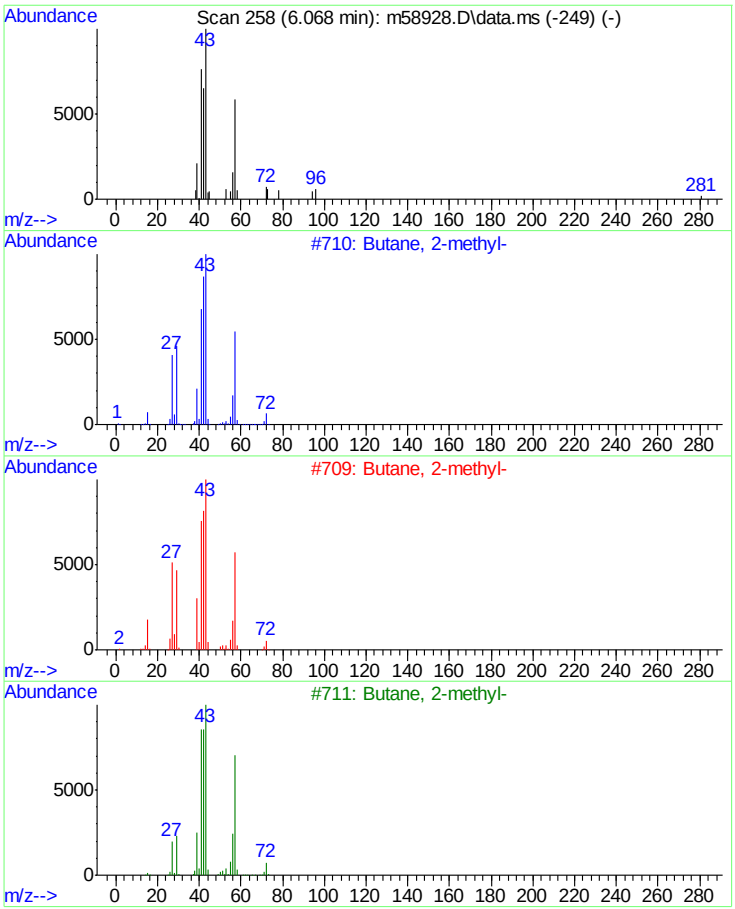
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

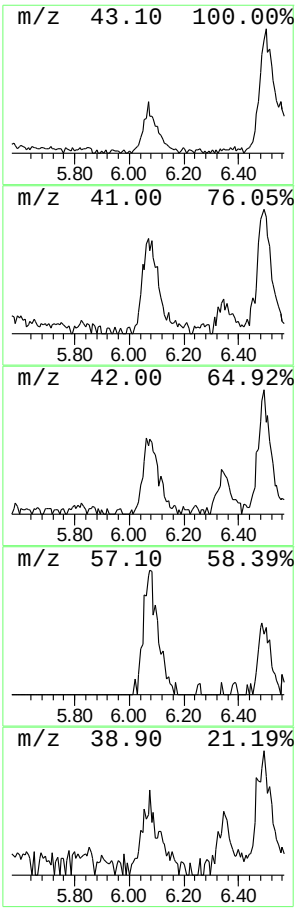
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.068	2.80 ug/kg	57689	pentafluorobenzene	9.355

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	80
2	Butane, 2-methyl-	72	C5H12	000078-78-4	80
3	Butane, 2-methyl-	72	C5H12	000078-78-4	64
4	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	50
5	Pentane	72	C5H12	000109-66-0	42





Library Search Compound Report

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58928.D
Acq On : 3 Sep 2013 12:29 pm
Operator : krystend
Sample : mc23948-4
Misc : MS29800,MSM2033,4.651,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

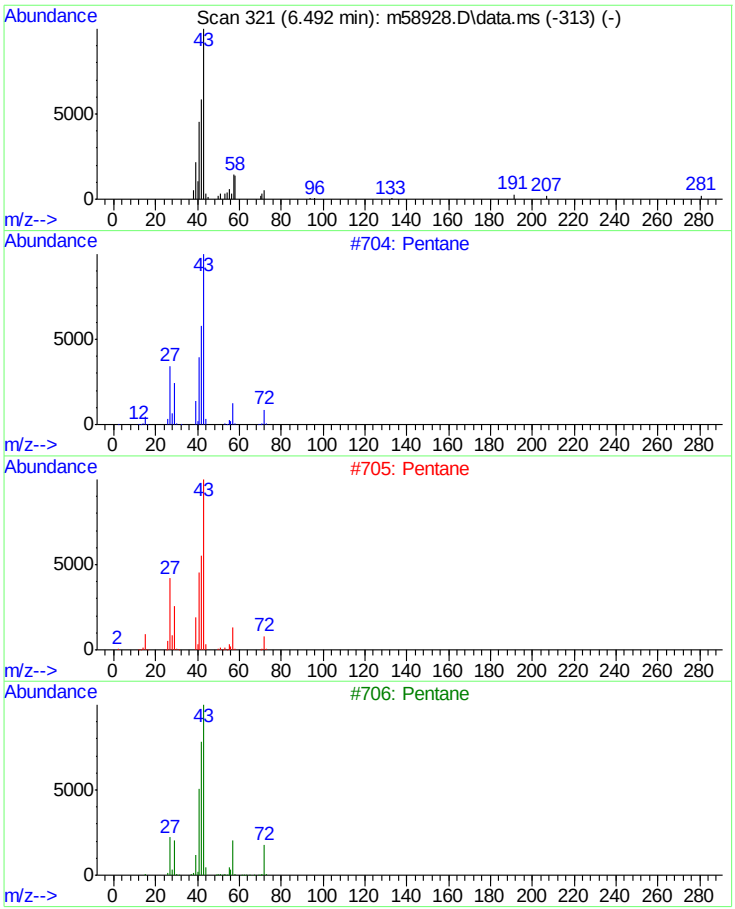
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

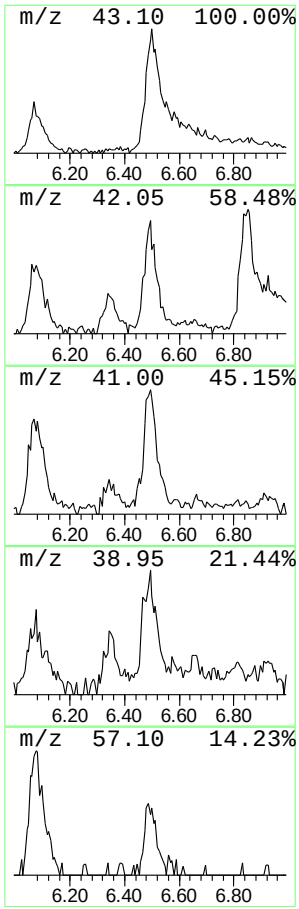
****

Peak Number 2 Pentane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.492	5.51 ug/kg	113623	pentafluorobenzene	9.355

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	72
2	Pentane	72	C5H12	000109-66-0	64
3	Pentane	72	C5H12	000109-66-0	53
4	Pentane	72	C5H12	000109-66-0	50
5	3-Buten-1-ol	72	C4H8O	000627-27-0	38





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58928.D
Acq On : 3 Sep 2013 12:29 pm
Operator : krystend
Sample : mc23948-4
Misc : MS29800,MSM2033,4.651,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	6.068	2.8	ug/kg	57689	2	9.355	1031780	50.0
Pentane	6.492	5.5	ug/kg	113623	2	9.355	1031780	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58924.D
Acq On : 3 Sep 2013 10:32 am
Operator : krystend
Sample : mb
Misc : MS29800,MSM2033,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 11:18:24 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

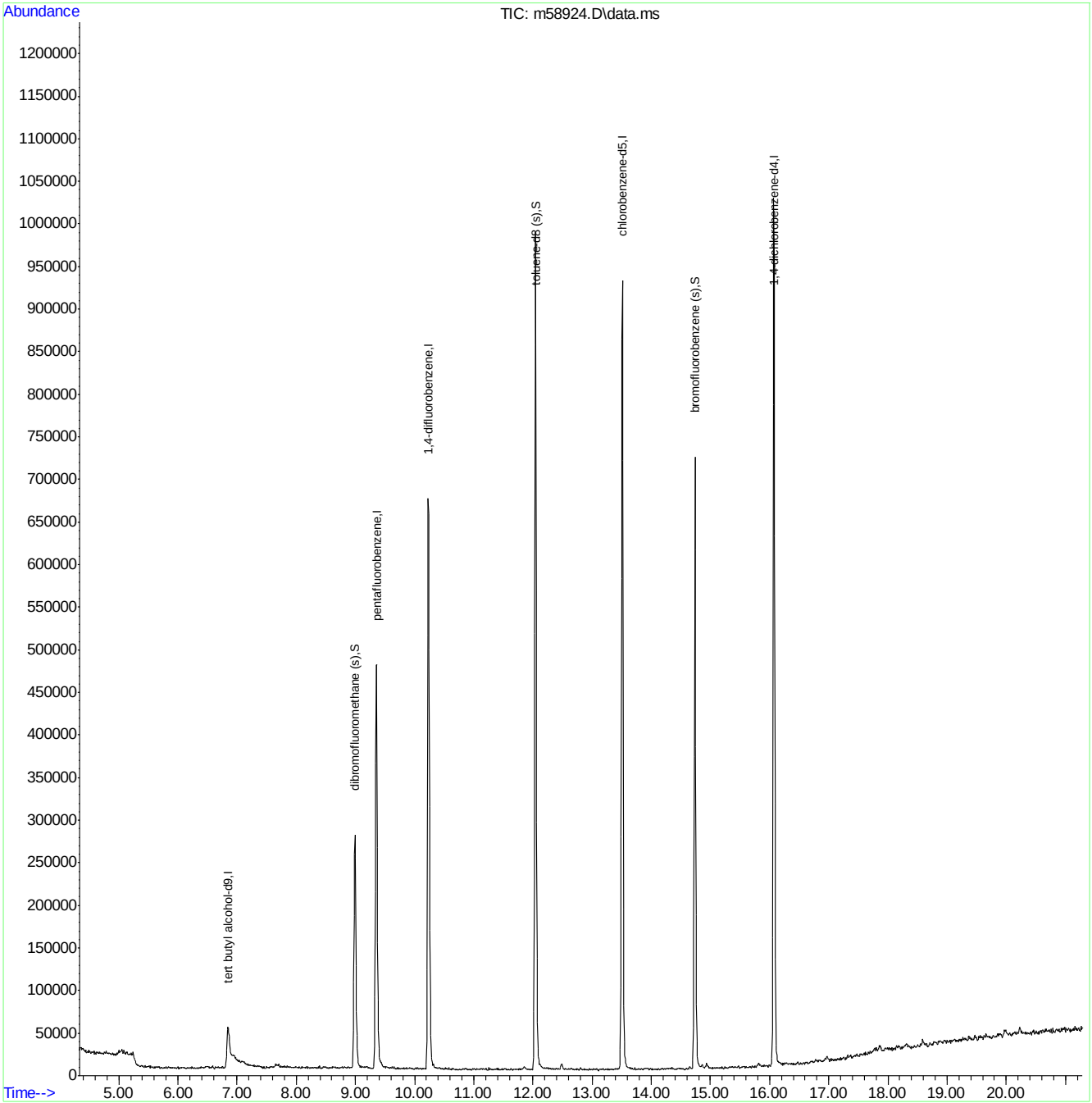
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	165767	500.00	ug/kg	0.00
4) pentafluorobenzene	9.356	168	392965	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	655908	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	282069	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	306120	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	202550	40.27	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 80.54%			
59) toluene-d8 (s)	12.043	98	727273	42.02	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.04%			
81) bromofluorobenzene (s)	14.738	95	262418	44.14	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 88.28%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58924.D
Acq On : 3 Sep 2013 10:32 am
Operator : krystend
Sample : mb
Misc : MS29800,MSM2033,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 11:18:24 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58924.D
Acq On : 3 Sep 2013 10:32 am
Operator : krystend
Sample : mb
Misc : MS29800,MSM2033,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

Signal : TIC: m58924.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.001	245	248	275	rVB10	1868	10582	0.48%	0.097%
2	6.843	363	373	465	rVB2	48086	354461	16.16%	3.233%
3	7.705	489	501	607	rVV8	4932	74146	3.38%	0.676%
4	8.473	609	615	625	rVB10	3174	10914	0.50%	0.100%
5	8.992	681	692	737	rVB	273991	666095	30.36%	6.075%
6	9.356	737	746	841	rVB	474199	1104155	50.33%	10.070%
7	10.231	867	876	911	rVB	670547	1406269	64.10%	12.826%
8	10.642	931	937	949	rVB5	1577	5929	0.27%	0.054%
9	10.750	949	953	959	rBV2	1402	2583	0.12%	0.024%
10	10.817	959	963	975	rBV6	1807	5054	0.23%	0.046%
11	10.979	985	987	1015	rBV6	1821	8228	0.38%	0.075%
12	11.255	1025	1028	1039	rBV3	2543	3762	0.17%	0.034%
13	11.538	1055	1070	1075	rVB5	1671	7560	0.34%	0.069%
14	11.855	1111	1117	1137	rVB8	4159	13060	0.60%	0.119%
15	12.043	1137	1145	1203	rBV	983821	1900836	86.64%	17.336%
16	12.488	1203	1211	1231	rVB2	6819	18138	0.83%	0.165%
17	12.865	1263	1267	1277	rBV5	1950	4315	0.20%	0.039%
18	13.189	1303	1315	1319	rBV8	2469	10289	0.47%	0.094%
19	13.512	1351	1363	1407	rVV	926083	1724562	78.61%	15.729%
20	13.835	1407	1411	1415	rVB3	1943	2581	0.12%	0.024%
21	13.916	1415	1423	1439	rVB6	2650	15588	0.71%	0.142%
22	14.037	1439	1441	1451	rBV3	1409	5227	0.24%	0.048%
23	14.246	1461	1472	1473	rVB3	1848	3940	0.18%	0.036%
24	14.347	1479	1487	1499	rBV6	2145	7818	0.36%	0.071%
25	14.482	1499	1507	1509	rVB4	1854	4725	0.22%	0.043%
26	14.596	1519	1524	1527	rBV3	1970	4346	0.20%	0.040%
27	14.657	1527	1533	1537	rVV7	3609	7429	0.34%	0.068%
28	14.738	1537	1545	1569	rVV	718589	1332118	60.72%	12.149%
29	14.933	1569	1574	1603	rVB6	7015	25708	1.17%	0.234%
30	15.809	1699	1704	1729	rVB6	5334	30298	1.38%	0.276%
31	16.072	1733	1743	1925	rVV2	1019444	2193823	100.00%	20.008%

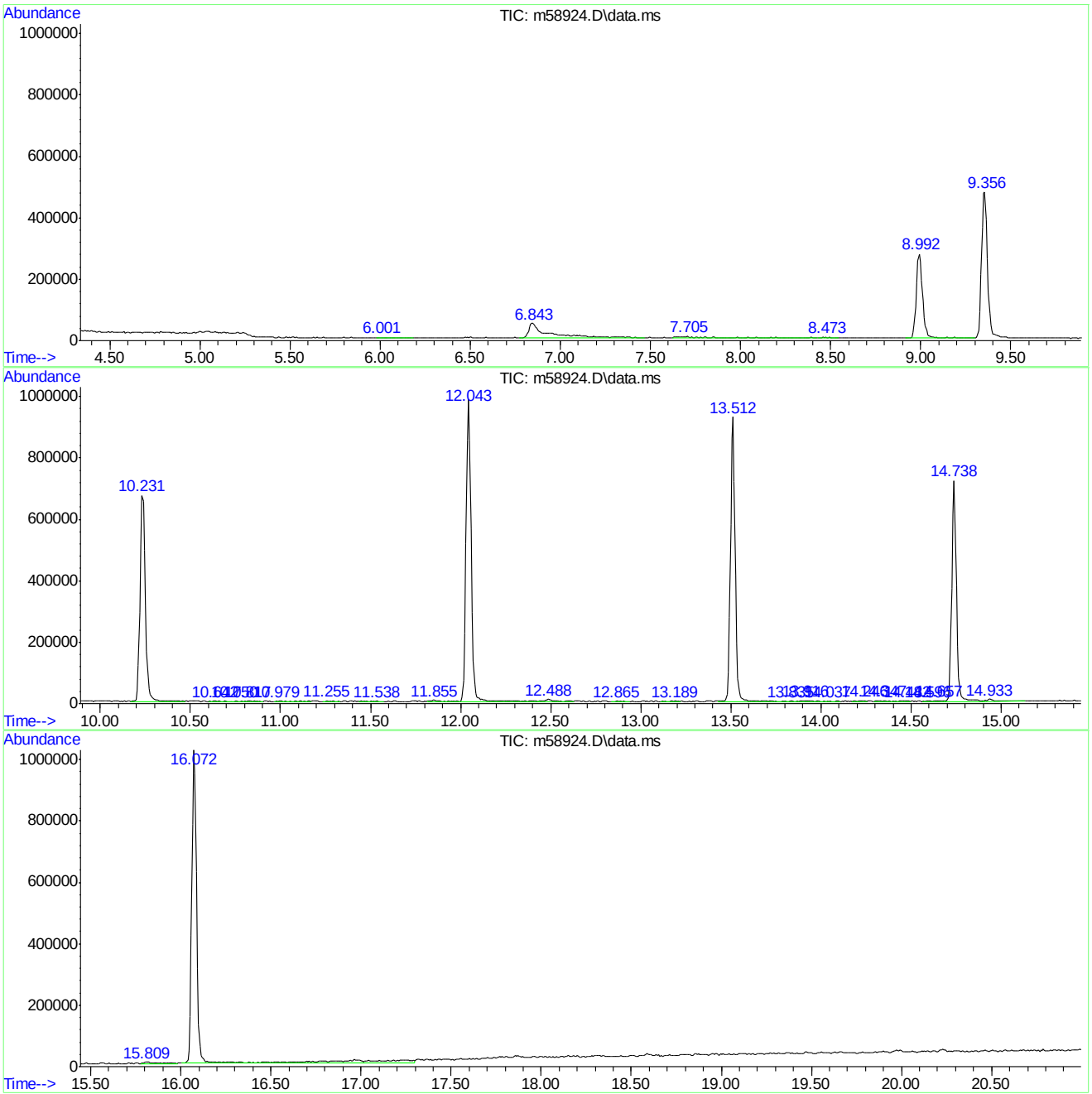
Sum of corrected areas: 10964539

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58924.D
Acq On : 3 Sep 2013 10:32 am
Operator : krystend
Sample : mb
Misc : MS29800,MSM2033,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



ACCUTEST LABORATORIES MC23948

Library Search Compound Report

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58924.D
Acq On : 3 Sep 2013 10:32 am
Operator : krystend
Sample : mb
Misc : MS29800,MSM2033,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58924.D
Acq On : 3 Sep 2013 10:32 am
Operator : krystend
Sample : mb
Misc : MS29800,MSM2033,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

7.2.2

7

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/04/13 09:22

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58921.D
Acq On : 3 Sep 2013 9:04 am
Operator : krystend
Sample : bs
Misc : MS29794,MSM2033,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 09:41:47 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	173236	500.00	ug/kg	0.00
4) pentafluorobenzene		9.355	168	407275	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	692882	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	318223	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	371363	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	212276	40.72	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 81.44%			
59) toluene-d8 (s)		12.043	98	766128	41.91	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 83.82%			
81) bromofluorobenzene (s)		14.738	95	289640	40.16	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 80.32%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.937	59	337456	725.88	ug/kg	96
3) Ethanol		5.657	45	215367	4697.64	ug/kg	99
5) dichlorodifluoromethane		4.438	85	302911	52.74	ug/kg	99
6) chloromethane		4.701	50	463342	51.96	ug/kg	99
7) vinyl chloride		4.970	62	395041	38.04	ug/kg	99
8) bromomethane	...	5.509	96	241241	50.76	ug/kg	96
9) chloroethane		5.684	64	172629m	51.71	ug/kg	
10) ethyl ether		6.580	59	204335	52.21	ug/kg	93
11) acetonitrile		6.580	41	57629	48.16	ug/kg	95
12) trichlorofluoromethane		6.338	101	446501	53.38	ug/kg	97
13) freon-113		7.146	101	252357	58.14	ug/kg	93
14) acrolein		6.331	56	87887	295.43	ug/kg	96
15) 1,1-dichloroethene		6.957	96	260904	54.71	ug/kg	90
16) acetone		6.479	58	51450	57.22	ug/kg#	80
17) Methyl Acetate		7.132	43	275359	41.89	ug/kg	97
18) methylene chloride		7.106	84	315404	55.55	ug/kg	90
19) methyl tert butyl ether		7.907	73	606505	49.83	ug/kg	97
20) acrylonitrile		7.004	53	98624	49.15	ug/kg	91
21) allyl chloride		7.200	41	458845	48.66	ug/kg	99
22) trans-1,2-dichloroethene		7.820	96	289723	52.65	ug/kg	92
23) iodomethane		7.018	142	524124	58.10	ug/kg	99
24) carbon disulfide		7.395	76	868400	54.21	ug/kg	99
25) propionitrile		8.102	54	35953	53.70	ug/kg	100
26) vinyl acetate		8.177	43	460806	40.32	ug/kg	98
27) chloroprene		8.446	53	440396	53.05	ug/kg	97
28) di-isopropyl ether		8.486	45	973611	48.92	ug/kg	95
29) methacrylonitrile		8.601	41	152822	45.49	ug/kg	97
30) 2-butanone		8.500	72	38453	41.48	ug/kg#	58
31) 1,1-dichloroethane		8.076	63	478070	53.80	ug/kg	96
32) tert-butyl ethyl ether		8.891	59	752501	51.02	ug/kg	99
33) isobutyl alcohol		8.891	43	176152	236.79	ug/kg	94
34) 2,2-dichloropropane		8.951	77	316438	52.97	ug/kg	99
35) cis-1,2-dichloroethene		8.655	96	314872	50.80	ug/kg	91
36) ethyl acetate		8.891	43	184960	49.26	ug/kg	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58921.D
Acq On : 3 Sep 2013 9:04 am
Operator : krystend
Sample : bs
Misc : MS29794,MSM2033,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 09:41:47 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	bromochloromethane	8.830	128	164824	59.44	ug/kg#	86
38)	chloroform	8.864	83	493208	53.48	ug/kg	99
40)	Tetrahydrofuran	9.194	42	83567	42.89	ug/kg	99
41)	1,1,1-trichloroethane	9.632	97	419558	55.92	ug/kg	96
43)	Cyclohexane	9.921	56	426181	49.86	ug/kg	97
44)	carbon tetrachloride	10.002	117	409255	57.80	ug/kg	94
45)	1,1-dichloropropene	9.807	75	364835	51.32	ug/kg	97
46)	benzene	10.036	78	1115402	50.10	ug/kg	98
47)	1,2-dichloroethane	9.531	62	346314	49.30	ug/kg	97
48)	tert-amyl methyl ether	10.150	73	614850	51.19	ug/kg	97
49)	heptane	10.514	43	427206	45.29	ug/kg	100
50)	trichloroethene	10.662	95	297092	50.40	ug/kg	90
51)	1,2-dichloropropane	10.622	63	288019	49.88	ug/kg	99
52)	dibromomethane	10.602	93	177972	56.18	ug/kg	95
53)	bromodichloromethane	10.716	83	386772	52.88	ug/kg	100
54)	Methylcyclohexane	11.181	83	472363	52.47	ug/kg	97
55)	2-chloroethyl vinyl ether	11.087	63	83891	36.36	ug/kg	97
56)	methyl methacrylate	10.804	69	167409	52.75	ug/kg	90
57)	1,4-dioxane	10.810	88	13015	267.15	ug/kg	77
58)	cis-1,3-dichloropropene	11.336	75	442435	50.57	ug/kg	96
60)	4-methyl-2-pentanone	11.424	43	298875	47.56	ug/kg	98
61)	toluene	12.117	92	732916	53.52	ug/kg	100
62)	trans-1,3-dichloropropene	11.754	75	389225	53.79	ug/kg	93
63)	1,1,2-trichloroethane	11.929	83	206468	53.20	ug/kg	95
64)	ethyl methacrylate	12.124	69	333198	49.74	ug/kg	98
66)	tetrachloroethene	12.858	166	309049	60.83	ug/kg	99
67)	1,3-dichloropropane	12.165	76	384640	51.96	ug/kg	99
68)	dibromochloromethane	12.461	129	342682	61.14	ug/kg	99
69)	1,2-dibromoethane	12.717	107	269063	56.54	ug/kg	99
70)	2-hexanone	12.286	43	239130	40.79	ug/kg	100
71)	chlorobenzene	13.545	112	871586	55.66	ug/kg	96
72)	1,1,1,2-tetrachloroethane	13.465	131	326702	60.07	ug/kg	96
73)	ethylbenzene	13.714	91	1388317	54.80	ug/kg	98
74)	m,p-xylene	13.903	106	1169939	109.97	ug/kg	92
75)	o-xylene	14.313	106	585302	55.23	ug/kg	91
76)	styrene	14.239	104	886618	55.35	ug/kg	97
77)	bromoform	14.071	173	212254	64.74	ug/kg	95
78)	trans-1,4-dichloro-2-b...	14.462	53	97525	49.83	ug/kg#	85
80)	isopropylbenzene	14.677	105	1501989	47.78	ug/kg	97
82)	bromobenzene	14.974	156	384067	51.78	ug/kg	87
83)	1,1,2,2-tetrachloroethane	14.320	83	354077	45.67	ug/kg	99
84)	1,2,3-trichloropropane	14.468	75	371288	47.56	ug/kg	99
85)	n-propylbenzene	15.122	91	1655366	45.47	ug/kg	96
86)	2-chlorotoluene	15.243	91	978692	45.76	ug/kg	95
87)	4-chlorotoluene	15.317	91	1003219	47.09	ug/kg	96
88)	1,3,5-trimethylbenzene	15.398	105	1259473	47.34	ug/kg	97
89)	tert-butylbenzene	15.708	91	684781	46.31	ug/kg	88
90)	1,2,4-trimethylbenzene	15.809	105	1261986	48.27	ug/kg	99
91)	sec-butylbenzene	15.930	105	1709293	47.51	ug/kg	97
92)	1,3-dichlorobenzene	16.038	146	767472	49.25	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58921.D
Acq On : 3 Sep 2013 9:04 am
Operator : krystend
Sample : bs
Misc : MS29794,MSM2033,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 09:41:47 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

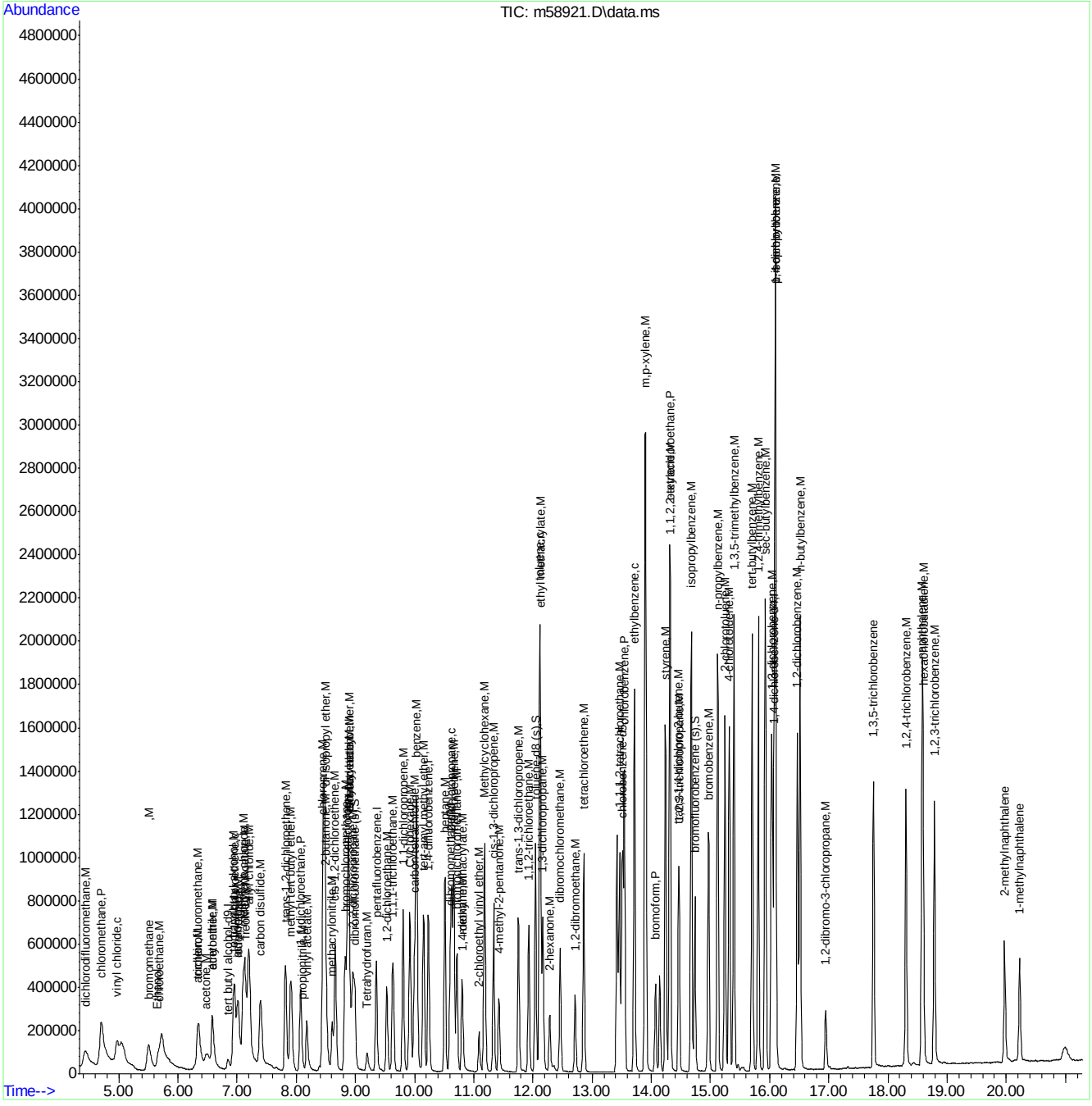
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	1449489	50.34	ug/kg	97
94) 1,4-dichlorobenzene	16.099	146	813593	49.45	ug/kg	97
95) 1,2-dichlorobenzene	16.469	146	759438	50.13	ug/kg	98
96) n-butylbenzene	16.516	91	1260520	44.87	ug/kg	95
97) 1,2-dibromo-3-chloropr...	16.947	75	65286	47.90	ug/kg	91
98) 1,3,5-trichlorobenzene	17.756	180	458164	46.22	ug/kg	99
99) 1,2,4-trichlorobenzene	18.308	180	468942	50.79	ug/kg	100
100) hexachlorobutadiene	18.598	225	236642	48.91	ug/kg	100
101) naphthalene	18.578	128	1309195	52.82	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	452964	50.98	ug/kg	97
103) 2-methylnaphthalene	19.972	142	355196	27.78	ug/kg	99
104) 1-methylnaphthalene	20.228	TIC	997194	24.16	ug/kg	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58921.D
Acq On : 3 Sep 2013 9:04 am
Operator : krystend
Sample : bs
Misc : MS29794,MSM2033,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

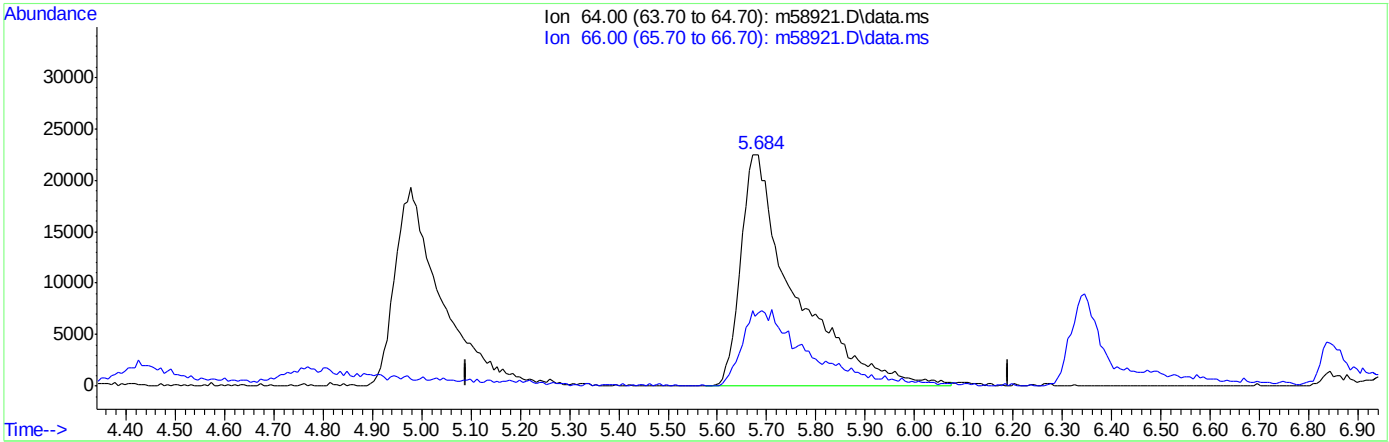
Quant Time: Sep 03 09:41:47 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

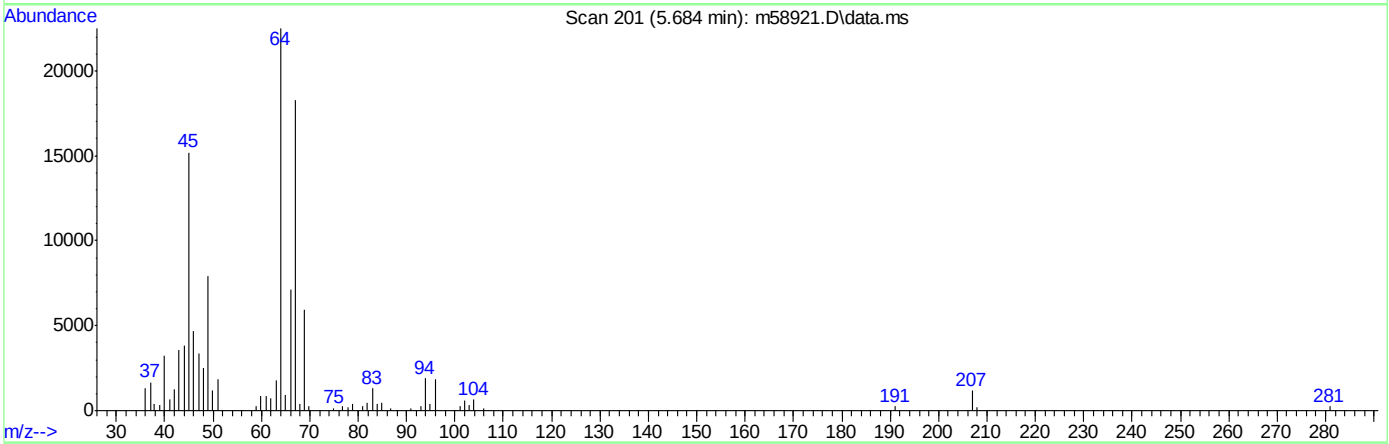


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58921.D
Acq On : 3 Sep 2013 9:04 am
Operator : krystend
Sample : bs
Misc : MS29794,MSM2033,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 09:41:33 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m58921.D\data.ms

(9) chloroethane (M)

5.684min (+0.013) 51.71ug/kg m

response 172629

Ion	Exp%	Act%
64.00	100	100
66.00	31.60	31.65
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/04/13 09:22

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58922.D
Acq On : 3 Sep 2013 9:34 am
Operator : krystend
Sample : bsd
Misc : MS29794,MSM2033,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 03 09:55:53 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.849	65	167292	500.00	ug/kg	0.00
4) pentafluorobenzene		9.355	168	415674	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.238	114	691573	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	314420	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.071	152	371450	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	212395	39.92	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 79.84%			
59) toluene-d8 (s)		12.043	98	771569	42.28	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 84.56%			
81) bromofluorobenzene (s)		14.738	95	290246	40.23	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 80.46%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.937	59	343483	765.09	ug/kg	92
3) Ethanol		5.664	45	219592	4956.16	ug/kg	98
5) dichlorodifluoromethane		4.438	85	337136	57.51	ug/kg	97
6) chloromethane		4.700	50	500330	54.98	ug/kg	97
7) vinyl chloride		4.977	62	400324	37.77	ug/kg	99
8) bromomethane	...	5.502	96	262469	54.11	ug/kg	99
9) chloroethane		5.670	64	185919m	54.57	ug/kg	
10) ethyl ether		6.580	59	216121	54.10	ug/kg	97
11) acetonitrile		6.587	41	62535	50.89	ug/kg	89
12) trichlorofluoromethane		6.337	101	464787	54.44	ug/kg	95
13) freon-113		7.152	101	272357	61.48	ug/kg	91
14) acrolein		6.337	56	104747	343.10	ug/kg	97
15) 1,1-dichloroethene		6.957	96	291431	59.88	ug/kg	86
16) acetone		6.479	58	52857	57.60	ug/kg#	71
17) Methyl Acetate		7.132	43	271329	40.45	ug/kg	97
18) methylene chloride		7.105	84	312313m	53.90	ug/kg	
19) methyl tert butyl ether		7.914	73	637359	51.30	ug/kg	97
20) acrylonitrile		7.011	53	103691	50.64	ug/kg	94
21) allyl chloride		7.200	41	487712	50.67	ug/kg	100
22) trans-1,2-dichloroethene		7.819	96	310357	55.26	ug/kg	93
23) iodomethane		7.011	142	560889	60.91	ug/kg	99
24) carbon disulfide		7.395	76	918023	56.15	ug/kg	100
25) propionitrile		8.102	54	35404	51.81	ug/kg	100
26) vinyl acetate		8.176	43	444831	38.13	ug/kg	96
27) chloroprene		8.446	53	477471	56.35	ug/kg	99
28) di-isopropyl ether		8.486	45	1007765	49.61	ug/kg	98
29) methacrylonitrile		8.601	41	160615	46.84	ug/kg	98
30) 2-butanone		8.500	72	42135	44.78	ug/kg#	73
31) 1,1-dichloroethane		8.075	63	521095	57.46	ug/kg	98
32) tert-butyl ethyl ether		8.890	59	794872	52.80	ug/kg	97
33) isobutyl alcohol		8.884	43	186478	245.61	ug/kg	84
34) 2,2-dichloropropane		8.958	77	347058	56.92	ug/kg	98
35) cis-1,2-dichloroethene		8.661	96	337858	53.41	ug/kg	93
36) ethyl acetate		8.884	43	191070	49.86	ug/kg	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58922.D
Acq On : 3 Sep 2013 9:34 am
Operator : krystend
Sample : bsd
Misc : MS29794,MSM2033,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 03 09:55:53 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	177911	62.86	ug/kg#	85
38) chloroform	8.864	83	529726	56.28	ug/kg	100
40) Tetrahydrofuran	9.200	42	84407	42.45	ug/kg	98
41) 1,1,1-trichloroethane	9.631	97	452067	59.04	ug/kg	96
43) Cyclohexane	9.921	56	453551	53.16	ug/kg	98
44) carbon tetrachloride	10.002	117	442694	62.64	ug/kg	97
45) 1,1-dichloropropene	9.807	75	390646	55.05	ug/kg	96
46) benzene	10.036	78	1177659	53.00	ug/kg	98
47) 1,2-dichloroethane	9.530	62	363675	51.87	ug/kg	96
48) tert-amyl methyl ether	10.150	73	644465	53.76	ug/kg	97
49) heptane	10.514	43	488655	51.90	ug/kg	99
50) trichloroethene	10.662	95	312927	53.19	ug/kg	94
51) 1,2-dichloropropane	10.622	63	304582	52.85	ug/kg	99
52) dibromomethane	10.602	93	188220	59.53	ug/kg	92
53) bromodichloromethane	10.716	83	407647	55.84	ug/kg	99
54) Methylcyclohexane	11.181	83	518378	57.69	ug/kg	96
55) 2-chloroethyl vinyl ether	11.087	63	85859	37.29	ug/kg	97
56) methyl methacrylate	10.804	69	174123	54.97	ug/kg	92
57) 1,4-dioxane	10.804	88	13327	274.19	ug/kg	82
58) cis-1,3-dichloropropene	11.336	75	456089	52.23	ug/kg	94
60) 4-methyl-2-pentanone	11.423	43	305542	48.71	ug/kg	98
61) toluene	12.117	92	772146	56.50	ug/kg	95
62) trans-1,3-dichloropropene	11.753	75	411379	56.96	ug/kg	92
63) 1,1,2-trichloroethane	11.929	83	213431	55.10	ug/kg	93
64) ethyl methacrylate	12.124	69	349000	52.20	ug/kg	98
66) tetrachloroethene	12.858	166	333846	66.50	ug/kg	99
67) 1,3-dichloropropane	12.164	76	405265	55.41	ug/kg	100
68) dibromochloromethane	12.461	129	359549	64.93	ug/kg	97
69) 1,2-dibromoethane	12.717	107	284964	60.61	ug/kg	98
70) 2-hexanone	12.286	43	258731	44.66	ug/kg	99
71) chlorobenzene	13.545	112	910619	58.86	ug/kg	95
72) 1,1,1,2-tetrachloroethane	13.464	131	343068	63.85	ug/kg	97
73) ethylbenzene	13.714	91	1456780	58.20	ug/kg	97
74) m,p-xylene	13.902	106	1220347	116.09	ug/kg	97
75) o-xylene	14.313	106	600460	57.34	ug/kg	95
76) styrene	14.239	104	935004	59.07	ug/kg	99
77) bromoform	14.071	173	229972	70.99	ug/kg	97
78) trans-1,4-dichloro-2-b...	14.461	53	103012	53.27	ug/kg	91
80) isopropylbenzene	14.677	105	1568845	49.89	ug/kg	96
82) bromobenzene	14.967	156	409716	55.23	ug/kg	91
83) 1,1,2,2-tetrachloroethane	14.320	83	374729	48.32	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	388231	49.72	ug/kg	99
85) n-propylbenzene	15.122	91	1724890	47.37	ug/kg	95
86) 2-chlorotoluene	15.243	91	1031588	48.22	ug/kg	95
87) 4-chlorotoluene	15.317	91	1034745	48.55	ug/kg	95
88) 1,3,5-trimethylbenzene	15.398	105	1330467	50.00	ug/kg	97
89) tert-butylbenzene	15.708	91	714212	48.29	ug/kg	88
90) 1,2,4-trimethylbenzene	15.809	105	1318544	50.43	ug/kg	98
91) sec-butylbenzene	15.930	105	1794629	49.87	ug/kg	97
92) 1,3-dichlorobenzene	16.038	146	808328	51.86	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58922.D
Acq On : 3 Sep 2013 9:34 am
Operator : krystend
Sample : bsd
Misc : MS29794,MSM2033,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 03 09:55:53 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

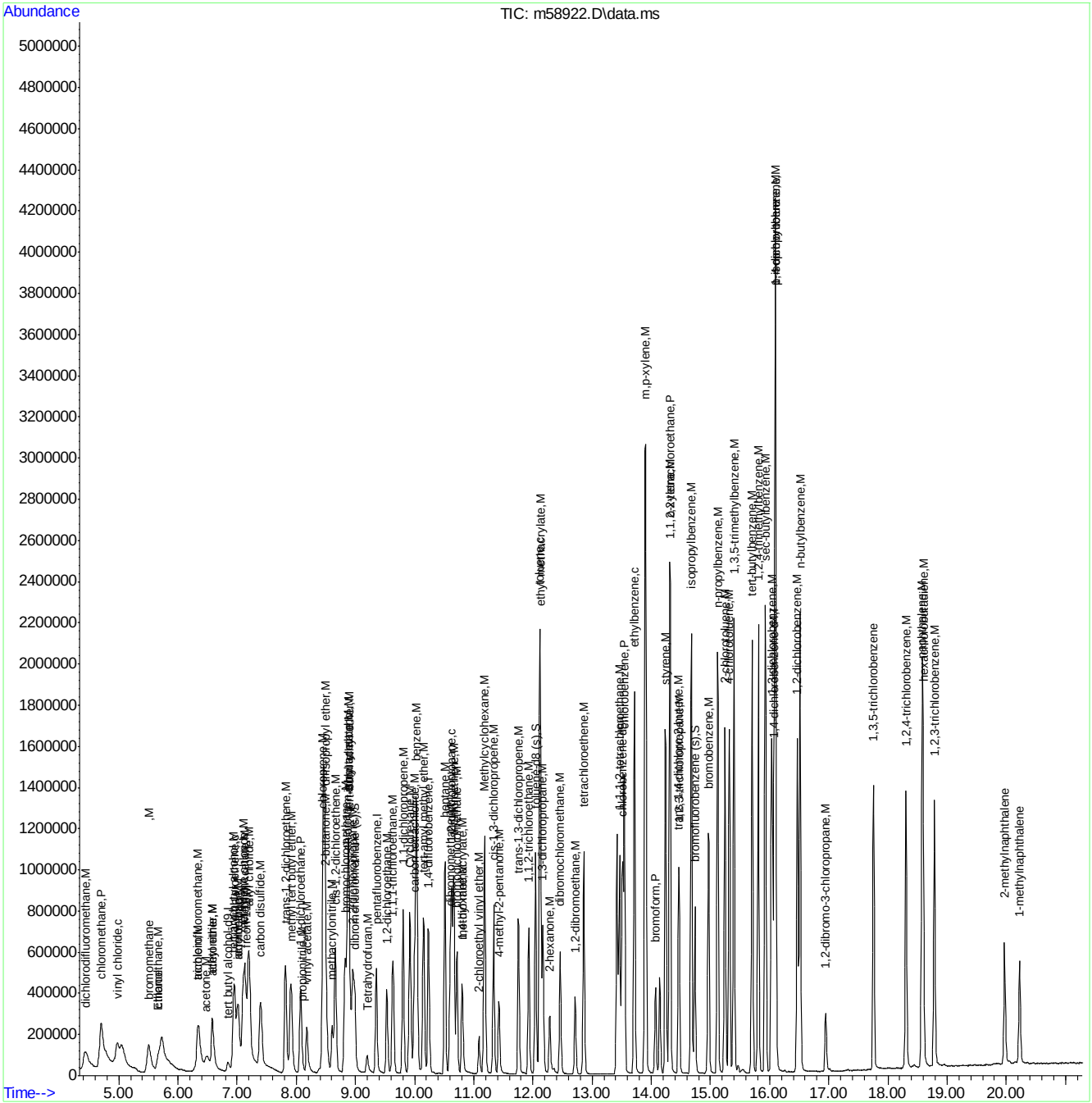
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.098	119	1534484	53.28	ug/kg	97
94)	1,4-dichlorobenzene	16.098	146	869837	52.86	ug/kg	96
95)	1,2-dichlorobenzene	16.469	146	791415	52.23	ug/kg	98
96)	n-butylbenzene	16.516	91	1354961	48.22	ug/kg	95
97)	1,2-dibromo-3-chloropr...	16.947	75	70099	51.84	ug/kg	95
98)	1,3,5-trichlorobenzene	17.756	180	478519	48.26	ug/kg	99
99)	1,2,4-trichlorobenzene	18.308	180	496739	53.79	ug/kg	98
100)	hexachlorobutadiene	18.598	225	254754	52.64	ug/kg	98
101)	naphthalene	18.577	128	1359286	54.82	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	477396	53.72	ug/kg	96
103)	2-methylnaphthalene	19.972	142	369619	28.90	ug/kg	98
104)	1-methylnaphthalene	20.228	TIC	1122934	27.52	ug/kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58922.D
Acq On : 3 Sep 2013 9:34 am
Operator : krystend
Sample : bsd
Misc : MS29794,MSM2033,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

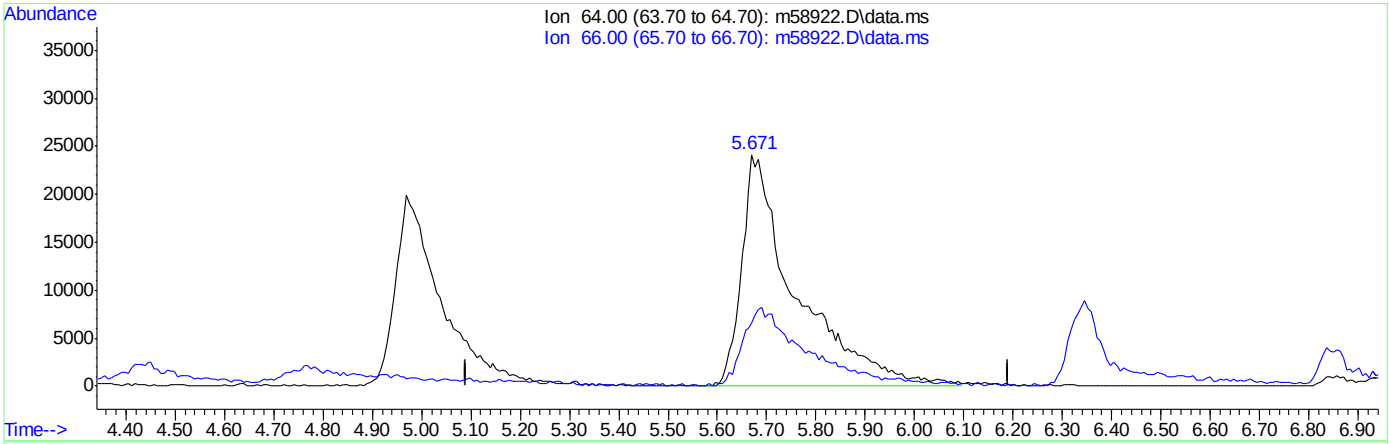
Quant Time: Sep 03 09:55:53 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

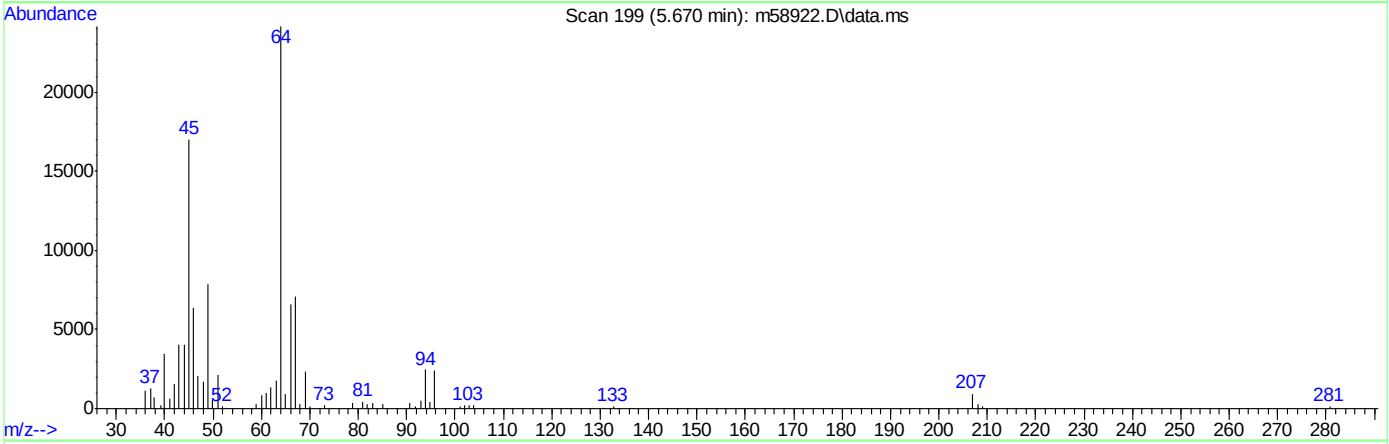


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58922.D
Acq On : 3 Sep 2013 9:34 am
Operator : krystend
Sample : bsd
Misc : MS29794,MSM2033,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 03 09:55:38 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m58922.D\data.ms

(9) chloroethane (M)

5.670min (-0.001) 54.57ug/kg m

response 185919

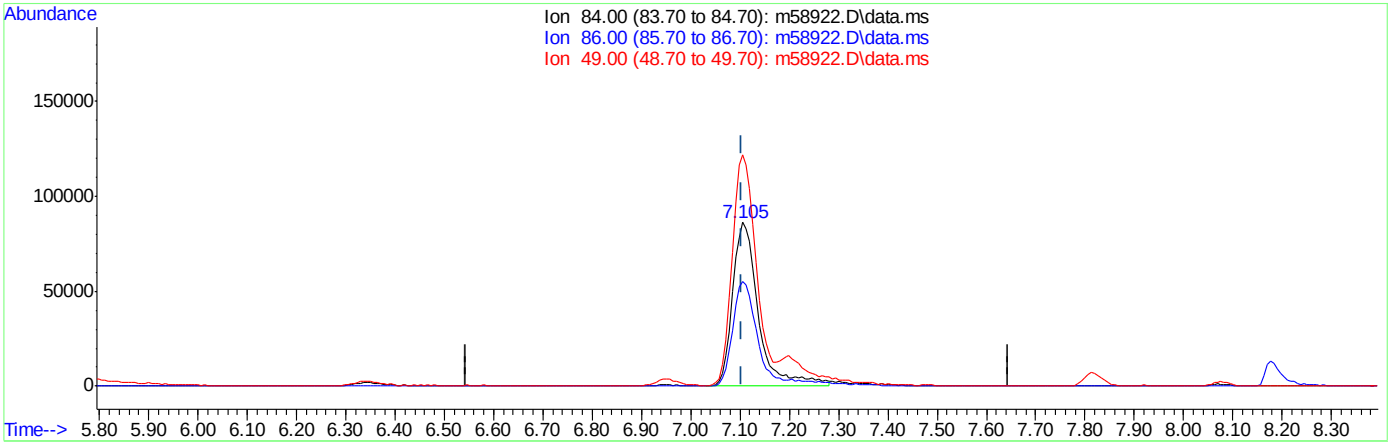
Ion	Exp%	Act%
64.00	100	100
66.00	31.60	27.42
0.00	0.00	0.00
0.00	0.00	0.00

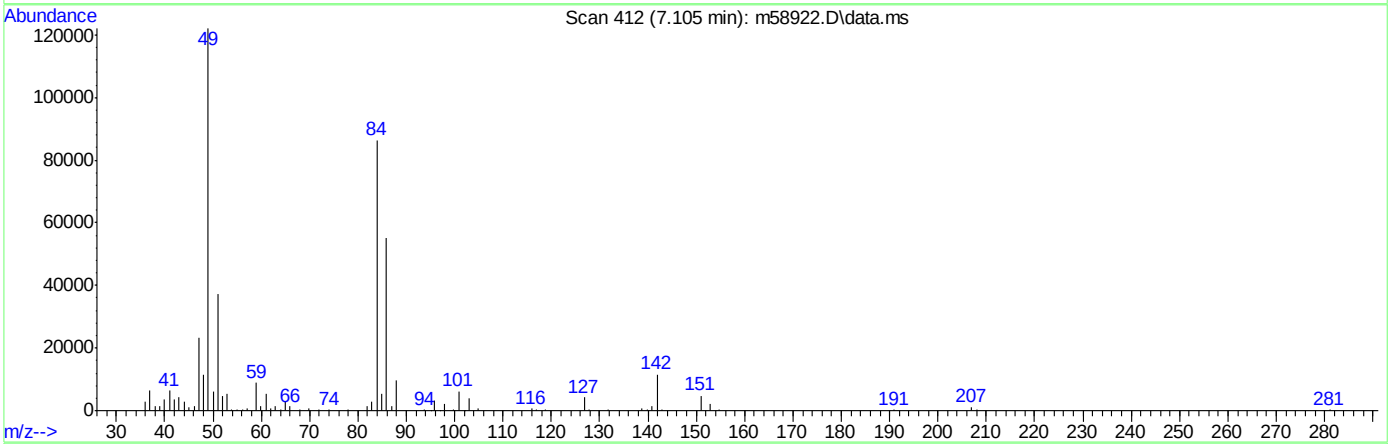
ACCUTEST LABORATORIES MC23948

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58922.D
Acq On : 3 Sep 2013 9:34 am
Operator : krystend
Sample : bsd
Misc : MS29794,MSM2033,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 03 09:55:38 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m58922.D\data.ms

(18) methylene chloride (M)

7.105min (+0.000) 53.90ug/kg m

response 312313

Ion	Exp%	Act%
84.00	100	100
86.00	67.20	63.71
49.00	155.70	141.48
0.00	0.00	0.00

ACCUTEST LABORATORIES MC23948

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58934.D
Acq On : 3 Sep 2013 3:25 pm
Operator : krystend
Sample : mc23948-1ms
Misc : MS29800,MSM2033,4.761,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 03 16:01:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	292663	500.00	ug/kg	0.00
4) pentafluorobenzene	9.356	168	407596	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.238	114	693107	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	313939	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	356847	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	216112	41.42	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 82.84%			
59) toluene-d8 (s)	12.043	98	762584	41.70	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.40%			
81) bromofluorobenzene (s)	14.738	95	288036	41.56	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.12%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	494123	629.14	ug/kg	96
3) Ethanol	5.657	45	276239	3583.06	ug/kg	98
5) dichlorodifluoromethane	4.431	85	227091	39.51	ug/kg	99
6) chloromethane	4.701	50	378177	42.38	ug/kg	100
7) vinyl chloride	4.970	62	296712	28.55	ug/kg	98
8) bromomethane ...	5.502	96	196523	41.32	ug/kg	93
9) chloroethane	5.684	64	143600	42.98	ug/kg	94
10) ethyl ether	6.587	59	177803	45.39	ug/kg	98
11) acetonitrile	6.580	41	54441	45.74	ug/kg	92
12) trichlorofluoromethane	6.344	101	351648	42.01	ug/kg	100
13) freon-113	7.153	101	185166	42.62	ug/kg	93
14) acrolein	6.344	56	79591	268.41	ug/kg	95
15) 1,1-dichloroethene	6.957	96	216717	45.41	ug/kg	88
16) acetone	6.479	58	38683	42.99	ug/kg#	69
17) Methyl Acetate	7.133	43	254379	38.67	ug/kg	89
18) methylene chloride	7.112	84	254803	44.84	ug/kg	87
19) methyl tert butyl ether	7.914	73	558788	45.87	ug/kg	97
20) acrylonitrile	7.011	53	111134	55.35	ug/kg	94
21) allyl chloride	7.200	41	381164	40.39	ug/kg	97
22) trans-1,2-dichloroethene	7.820	96	214340	38.92	ug/kg	94
23) iodomethane	7.018	142	415933	46.07	ug/kg	97
24) carbon disulfide	7.402	76	578155	36.06	ug/kg	100
25) propionitrile	8.103	54	41460	61.88	ug/kg	100
26) vinyl acetate	8.177	43	338628	29.60	ug/kg	96
27) chloroprene	8.446	53	340378	40.97	ug/kg	94
28) di-isopropyl ether	8.487	45	798108	40.07	ug/kg	91
29) methacrylonitrile	8.608	41	171372	50.97	ug/kg	96
30) 2-butanone	8.507	72	37065	39.82	ug/kg#	68
31) 1,1-dichloroethane	8.076	63	411641	46.29	ug/kg	97
32) tert-butyl ethyl ether	8.891	59	647840	43.89	ug/kg	99
33) isobutyl alcohol	8.911	43	215991	290.12	ug/kg#	62
34) 2,2-dichloropropane	8.958	77	266519	44.58	ug/kg	99
35) cis-1,2-dichloroethene	8.662	96	250797	40.43	ug/kg	93
36) ethyl acetate	8.911	43	205972	54.82	ug/kg	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58934.D
Acq On : 3 Sep 2013 3:25 pm
Operator : krystend
Sample : mc23948-1ms
Misc : MS29800,MSM2033,4.761,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 03 16:01:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	bromochloromethane	8.830	128	143327	51.65	ug/kg#	85
38)	chloroform	8.871	83	420937	45.61	ug/kg	100
40)	Tetrahydrofuran	9.201	42	103638	53.15	ug/kg	92
41)	1,1,1-trichloroethane	9.632	97	349766	46.59	ug/kg	96
43)	Cyclohexane	9.921	56	244009	28.54	ug/kg	96
44)	carbon tetrachloride	10.002	117	329319	46.50	ug/kg	100
45)	1,1-dichloropropene	9.807	75	262791	36.95	ug/kg	97
46)	benzene	10.036	78	908076	40.78	ug/kg	99
47)	1,2-dichloroethane	9.531	62	303847	43.24	ug/kg	98
48)	tert-amyl methyl ether	10.150	73	539940	44.94	ug/kg	97
49)	heptane	10.514	43	92759	9.83	ug/kg	99
50)	trichloroethene	10.662	95	220030	37.32	ug/kg	93
51)	1,2-dichloropropane	10.622	63	239062	41.39	ug/kg	99
52)	dibromomethane	10.602	93	158948	50.16	ug/kg	92
53)	bromodichloromethane	10.716	83	323040	44.16	ug/kg	99
54)	Methylcyclohexane	11.188	83	172929	19.20	ug/kg	95
55)	2-chloroethyl vinyl ether	11.336	63	2213	0.96	ug/kg#	47
56)	methyl methacrylate	10.804	69	178583	56.25	ug/kg	92
57)	1,4-dioxane	10.811	88	18609	383.83	ug/kg	71
58)	cis-1,3-dichloropropene	11.336	75	340235	38.87	ug/kg	94
60)	4-methyl-2-pentanone	11.424	43	382532	60.85	ug/kg	99
61)	toluene	12.117	92	566579	41.36	ug/kg	97
62)	trans-1,3-dichloropropene	11.754	75	306303	42.32	ug/kg	94
63)	1,1,2-trichloroethane	11.929	83	187803	48.37	ug/kg	96
64)	ethyl methacrylate	12.124	69	332432	49.61	ug/kg	94
66)	tetrachloroethene	12.865	166	200428	39.99	ug/kg	98
67)	1,3-dichloropropane	12.165	76	340730	46.66	ug/kg	99
68)	dibromochloromethane	12.461	129	299768	54.21	ug/kg	98
69)	1,2-dibromoethane	12.717	107	241659	51.48	ug/kg	99
70)	2-hexanone	12.286	43	276278	47.77	ug/kg	99
71)	chlorobenzene	13.546	112	597156	38.66	ug/kg	95
72)	1,1,1,2-tetrachloroethane	13.465	131	258828	48.24	ug/kg	99
73)	ethylbenzene	13.714	91	890136	35.62	ug/kg	97
74)	m,p-xylene	13.903	106	717949	68.40	ug/kg	93
75)	o-xylene	14.314	106	383370	36.67	ug/kg	96
76)	styrene	14.239	104	576501	36.48	ug/kg	98
77)	bromoform	14.071	173	207356	64.10	ug/kg	99
78)	trans-1,4-dichloro-2-b...	14.462	53	93737	48.55	ug/kg#	75
80)	isopropylbenzene	14.677	105	762623	25.25	ug/kg	96
82)	bromobenzene	14.974	156	246830	34.63	ug/kg	88
83)	1,1,2,2-tetrachloroethane	14.320	83	369179	49.55	ug/kg	99
84)	1,2,3-trichloropropane	14.468	75	384422	51.24	ug/kg	98
85)	n-propylbenzene	15.122	91	702620	20.08	ug/kg	95
86)	2-chlorotoluene	15.243	91	528287	25.70	ug/kg	93
87)	4-chlorotoluene	15.317	91	500411	24.44	ug/kg	92
88)	1,3,5-trimethylbenzene	15.398	105	545890	21.35	ug/kg	98
89)	tert-butylbenzene	15.708	91	259266	18.25	ug/kg	89
90)	1,2,4-trimethylbenzene	15.809	105	552609	22.00	ug/kg	99
91)	sec-butylbenzene	15.930	105	521012	15.07	ug/kg	96
92)	1,3-dichlorobenzene	16.038	146	339043	22.64	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58934.D
Acq On : 3 Sep 2013 3:25 pm
Operator : krystend
Sample : mc23948-1ms
Misc : MS29800,MSM2033,4.761,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 03 16:01:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

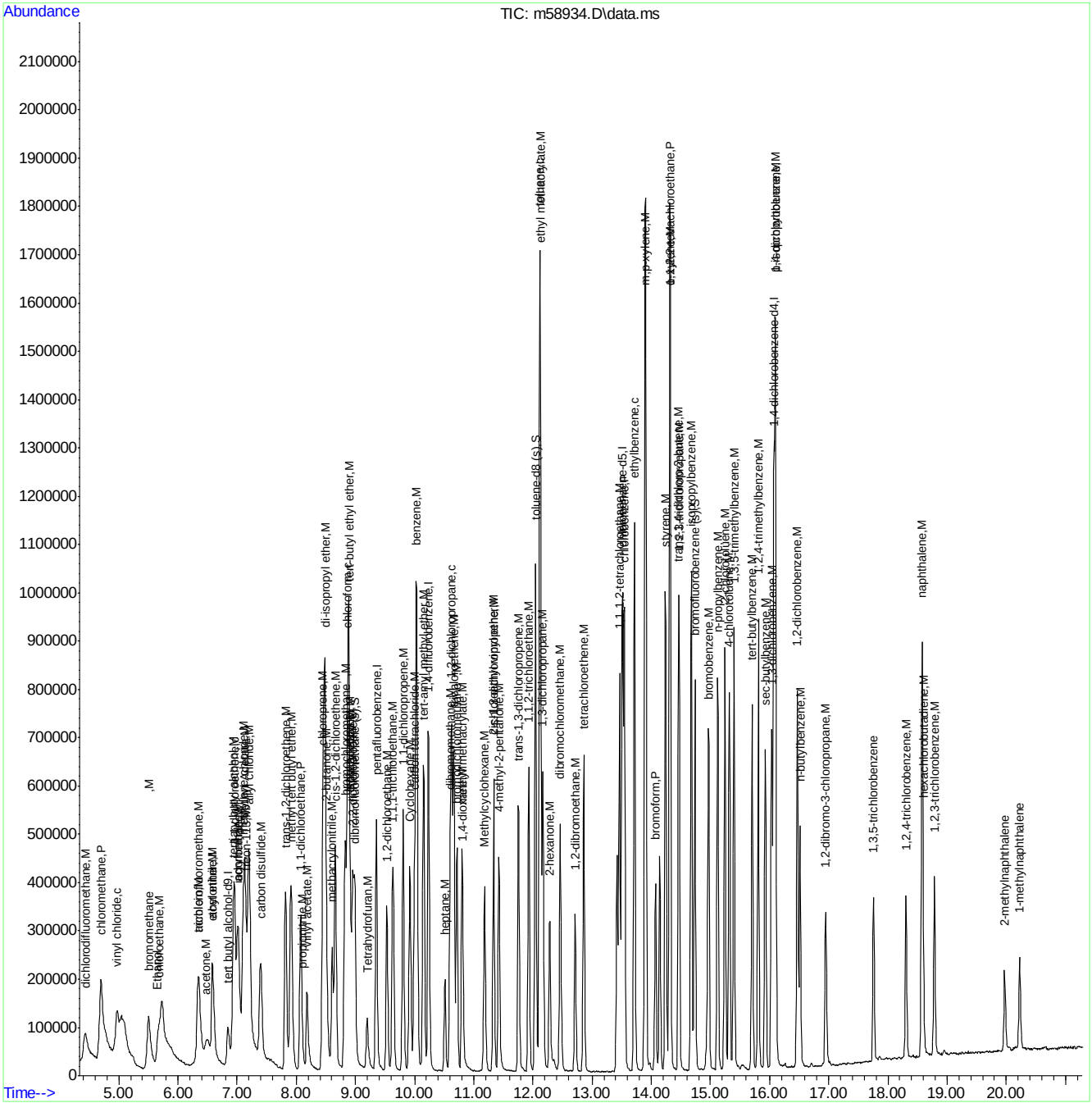
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	428570	15.49	ug/kg	97
94)	1,4-dichlorobenzene	16.099	146	372576	23.57	ug/kg	98
95)	1,2-dichlorobenzene	16.469	146	378348	25.99	ug/kg	98
96)	n-butylbenzene	16.516	91	302191	11.20	ug/kg	94
97)	1,2-dibromo-3-chloropr...	16.947	75	79618	62.33	ug/kg	92
98)	1,3,5-trichlorobenzene	17.756	180	116913	12.27	ug/kg	99
99)	1,2,4-trichlorobenzene	18.308	180	122503	13.81	ug/kg	99
100)	hexachlorobutadiene	18.598	225	43945	9.45	ug/kg	99
101)	naphthalene	18.578	128	782584	32.86	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	140809	16.49	ug/kg	96
103)	2-methylnaphthalene	19.972	142	110734	9.01	ug/kg	99
104)	1-methylnaphthalene	20.228	TIC	479536	10.85	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58934.D
Acq On : 3 Sep 2013 3:25 pm
Operator : krystend
Sample : mc23948-1ms
Misc : MS29800,MSM2033,4.761,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 03 16:01:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/04/13 09:22

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58935.D
Acq On : 3 Sep 2013 3:55 pm
Operator : krystend
Sample : mc23948-1msd
Misc : MS29800,MSM2033,4.807,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 03 16:16:45 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	306313	500.00	ug/kg	0.00
4) pentafluorobenzene		9.355	168	407855	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	679930	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	310644	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	353475	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	212585	40.72	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 81.44%			
59) toluene-d8 (s)		12.043	98	754039	42.03	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 84.06%			
81) bromofluorobenzene (s)		14.738	95	289755	42.21	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 84.42%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	537330	653.67	ug/kg	93
3) Ethanol		5.650	45	301478	3733.25	ug/kg	99
5) dichlorodifluoromethane		4.431	85	223486	38.86	ug/kg	95
6) chloromethane		4.694	50	389826	43.66	ug/kg	98
7) vinyl chloride		4.970	62	307336	29.55	ug/kg	98
8) bromomethane	...	5.509	96	208094	43.73	ug/kg	99
9) chloroethane		5.677	64	150442m	45.00	ug/kg	
10) ethyl ether		6.580	59	187926	47.95	ug/kg	93
11) acetonitrile		6.573	41	52288	44.10	ug/kg	95
12) trichlorofluoromethane		6.331	101	370855	44.27	ug/kg	100
13) freon-113		7.153	101	203978	46.92	ug/kg	89
14) acrolein		6.337	56	80130	269.99	ug/kg	99
15) 1,1-dichloroethene		6.950	96	226322	47.39	ug/kg	93
16) acetone		6.479	58	39438	43.80	ug/kg#	71
17) Methyl Acetate		7.132	43	250650	38.08	ug/kg	86
18) methylene chloride		7.112	84	263999	46.43	ug/kg	89
19) methyl tert butyl ether		7.907	73	594826	48.80	ug/kg	97
20) acrylonitrile		7.004	53	116859	58.16	ug/kg	86
21) allyl chloride		7.200	41	395801	41.91	ug/kg	100
22) trans-1,2-dichloroethene		7.813	96	232972	42.28	ug/kg	95
23) iodomethane		7.011	142	440730	48.78	ug/kg	98
24) carbon disulfide		7.395	76	622635	38.81	ug/kg	100
25) propionitrile		8.089	54	44235	65.98	ug/kg	100
26) vinyl acetate		8.177	43	322164	28.15	ug/kg	94
27) chloroprene		8.446	53	352154	42.36	ug/kg	95
28) di-isopropyl ether		8.486	45	846545	42.47	ug/kg	93
29) methacrylonitrile		8.601	41	179921	53.48	ug/kg	98
30) 2-butanone		8.500	72	42861	46.55	ug/kg#	80
31) 1,1-dichloroethane		8.075	63	424806	47.74	ug/kg	98
32) tert-butyl ethyl ether		8.891	59	688161	46.59	ug/kg	97
33) isobutyl alcohol		8.904	43	204304	274.24	ug/kg#	72
34) 2,2-dichloropropane		8.958	77	273562	45.73	ug/kg	99
35) cis-1,2-dichloroethene		8.662	96	262214	42.24	ug/kg	93
36) ethyl acetate		8.904	43	226692	60.29	ug/kg	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58935.D
Acq On : 3 Sep 2013 3:55 pm
Operator : krystend
Sample : mc23948-1msd
Misc : MS29800,MSM2033,4.807,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 03 16:16:45 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	bromochloromethane	8.830	128	147862	53.25	ug/kg#	87
38)	chloroform	8.864	83	440251	47.67	ug/kg	99
40)	Tetrahydrofuran	9.194	42	111468	57.13	ug/kg	97
41)	1,1,1-trichloroethane	9.632	97	373284	49.69	ug/kg	98
43)	Cyclohexane	9.921	56	284682	33.94	ug/kg	98
44)	carbon tetrachloride	10.002	117	354266	50.99	ug/kg	97
45)	1,1-dichloropropene	9.807	75	276504	39.63	ug/kg	95
46)	benzene	10.036	78	938088	42.94	ug/kg	99
47)	1,2-dichloroethane	9.531	62	317092	46.00	ug/kg	98
48)	tert-amyl methyl ether	10.150	73	571103	48.46	ug/kg	97
49)	heptane	10.514	43	87636	9.47	ug/kg	96
50)	trichloroethene	10.662	95	229398	39.66	ug/kg	91
51)	1,2-dichloropropane	10.629	63	254732	44.96	ug/kg	99
52)	dibromomethane	10.602	93	166349	53.51	ug/kg	95
53)	bromodichloromethane	10.716	83	341011	47.52	ug/kg	99
54)	Methylcyclohexane	11.181	83	210167	23.79	ug/kg	93
55)	2-chloroethyl vinyl ether	11.188	63	2128	0.94	ug/kg#	1
56)	methyl methacrylate	10.804	69	190829	61.27	ug/kg	89
57)	1,4-dioxane	10.804	88	20428	430.07	ug/kg	74
58)	cis-1,3-dichloropropene	11.336	75	357688	41.66	ug/kg	96
60)	4-methyl-2-pentanone	11.423	43	402335	65.24	ug/kg	97
61)	toluene	12.117	92	596150	44.37	ug/kg	99
62)	trans-1,3-dichloropropene	11.754	75	321034	45.21	ug/kg	92
63)	1,1,2-trichloroethane	11.929	83	197465	51.85	ug/kg	97
64)	ethyl methacrylate	12.124	69	347995	52.94	ug/kg	98
66)	tetrachloroethene	12.858	166	225204	45.41	ug/kg	98
67)	1,3-dichloropropane	12.164	76	359004	49.68	ug/kg	99
68)	dibromochloromethane	12.461	129	313460	57.29	ug/kg	100
69)	1,2-dibromoethane	12.717	107	254794	54.85	ug/kg	100
70)	2-hexanone	12.286	43	294586	51.47	ug/kg	100
71)	chlorobenzene	13.545	112	645312	42.22	ug/kg	96
72)	1,1,1,2-tetrachloroethane	13.465	131	277609	52.29	ug/kg	97
73)	ethylbenzene	13.714	91	980428	39.65	ug/kg	96
74)	m,p-xylene	13.902	106	802186	77.24	ug/kg	96
75)	o-xylene	14.313	106	419788	40.58	ug/kg	96
76)	styrene	14.239	104	622308	39.79	ug/kg	96
77)	bromoform	14.071	173	218787	68.36	ug/kg	100
78)	trans-1,4-dichloro-2-b...	14.462	53	103440	54.15	ug/kg#	87
80)	isopropylbenzene	14.677	105	894430	29.89	ug/kg	97
82)	bromobenzene	14.967	156	270254	38.28	ug/kg	93
83)	1,1,2,2-tetrachloroethane	14.320	83	385308	52.21	ug/kg	98
84)	1,2,3-trichloropropane	14.468	75	408398	54.96	ug/kg	100
85)	n-propylbenzene	15.122	91	839130	24.22	ug/kg	94
86)	2-chlorotoluene	15.243	91	611399	30.03	ug/kg	95
87)	4-chlorotoluene	15.317	91	573312	28.27	ug/kg	94
88)	1,3,5-trimethylbenzene	15.398	105	654988	25.87	ug/kg	97
89)	tert-butylbenzene	15.708	91	322663	22.93	ug/kg	89
90)	1,2,4-trimethylbenzene	15.809	105	662244	26.61	ug/kg	98
91)	sec-butylbenzene	15.930	105	628439	18.35	ug/kg	98
92)	1,3-dichlorobenzene	16.038	146	406824	27.43	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58935.D
Acq On : 3 Sep 2013 3:55 pm
Operator : krystend
Sample : mc23948-1msd
Misc : MS29800,MSM2033,4.807,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 03 16:16:45 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

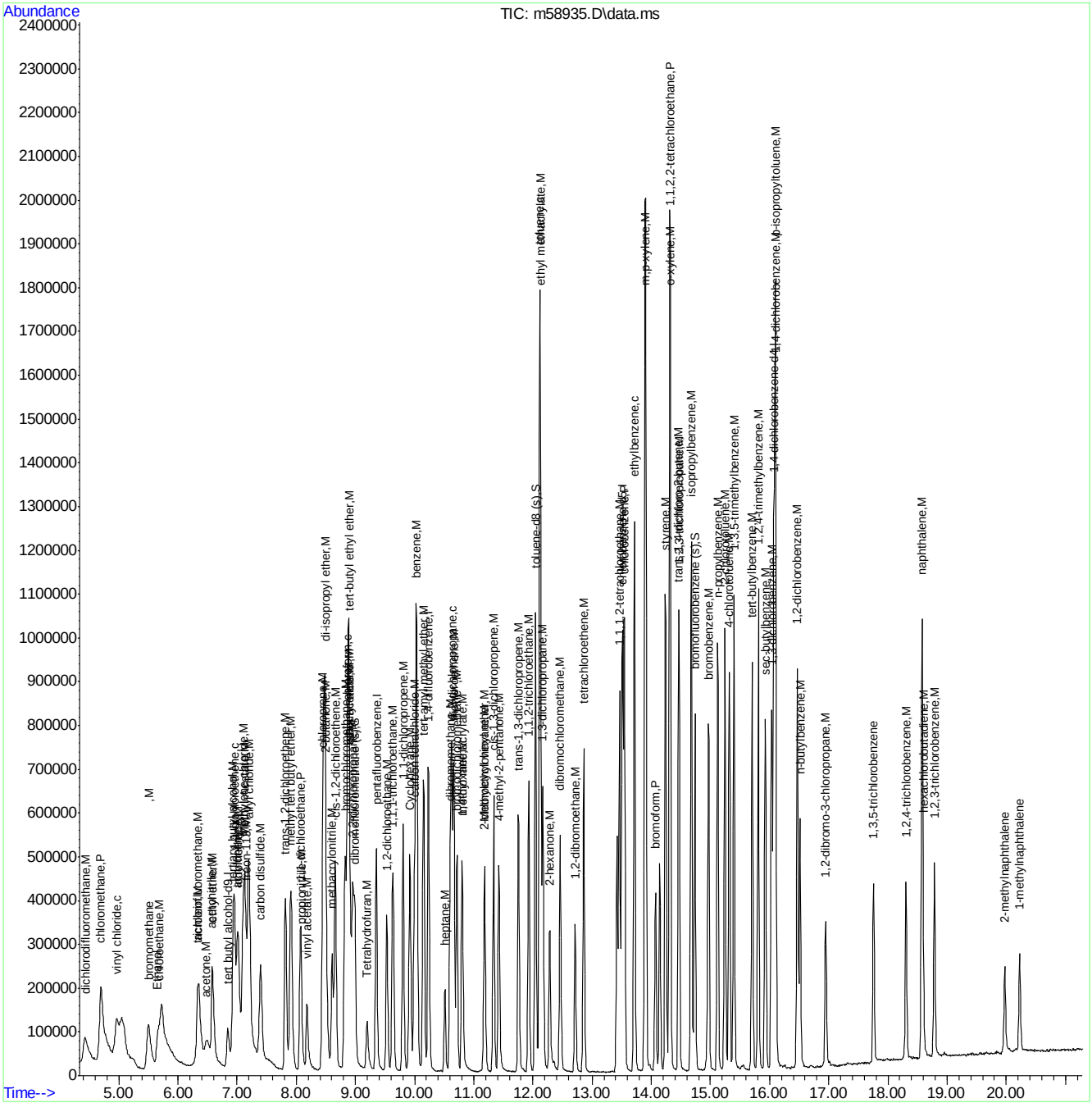
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	528008	19.27	ug/kg	98
94) 1,4-dichlorobenzene	16.105	146	439683	28.08	ug/kg	98
95) 1,2-dichlorobenzene	16.469	146	442429	30.68	ug/kg	98
96) n-butylbenzene	16.516	91	354129	13.24	ug/kg	97
97) 1,2-dibromo-3-chloropr...	16.947	75	82444	65.41	ug/kg	92
98) 1,3,5-trichlorobenzene	17.756	180	143132	15.17	ug/kg	99
99) 1,2,4-trichlorobenzene	18.308	180	149179	16.98	ug/kg	99
100) hexachlorobutadiene	18.598	225	38696	8.40	ug/kg	94
101) naphthalene	18.577	128	913978	38.74	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	163728	19.36	ug/kg	98
103) 2-methylnaphthalene	19.972	142	130752	10.74	ug/kg	98
104) 1-methylnaphthalene	20.228	TIC	515650	11.99	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58935.D
Acq On : 3 Sep 2013 3:55 pm
Operator : krystend
Sample : mc23948-1msd
Misc : MS29800,MSM2033,4.807,,,5,1
ALS Vial : 17 Sample Multiplier: 1

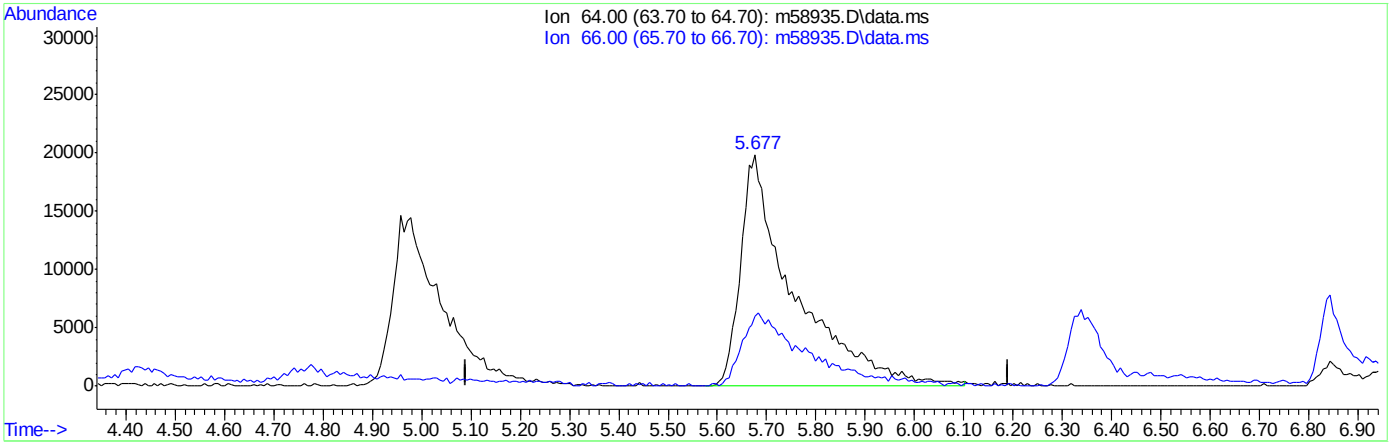
Quant Time: Sep 03 16:16:45 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

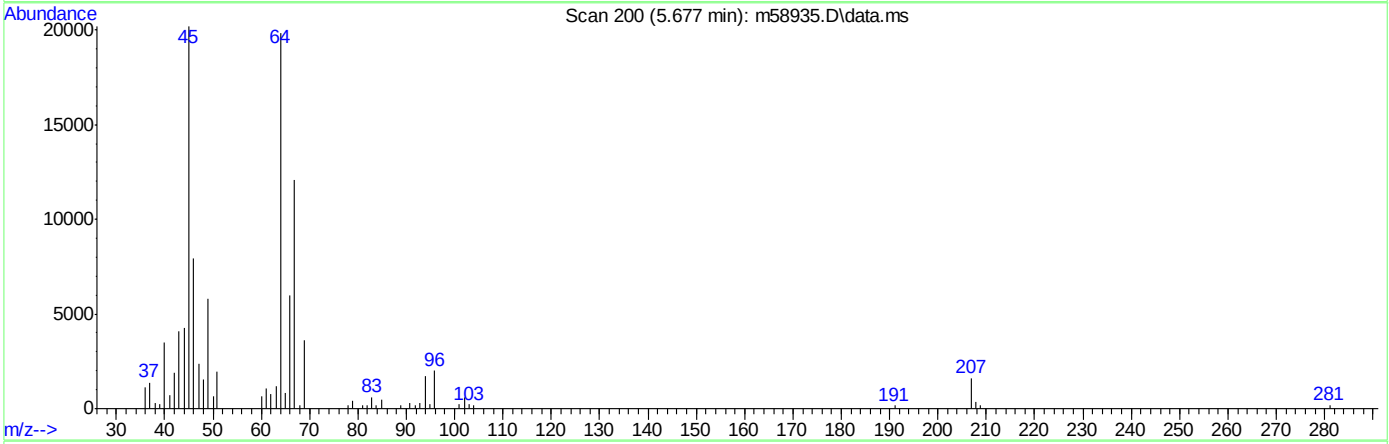


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58935.D
Acq On : 3 Sep 2013 3:55 pm
Operator : krystend
Sample : mc23948-1msd
Misc : MS29800,MSM2033,4.807,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 03 16:16:35 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m58935.D\data.ms

(9) chloroethane (M)

5.677min (+0.006) 45.00ug/kg m

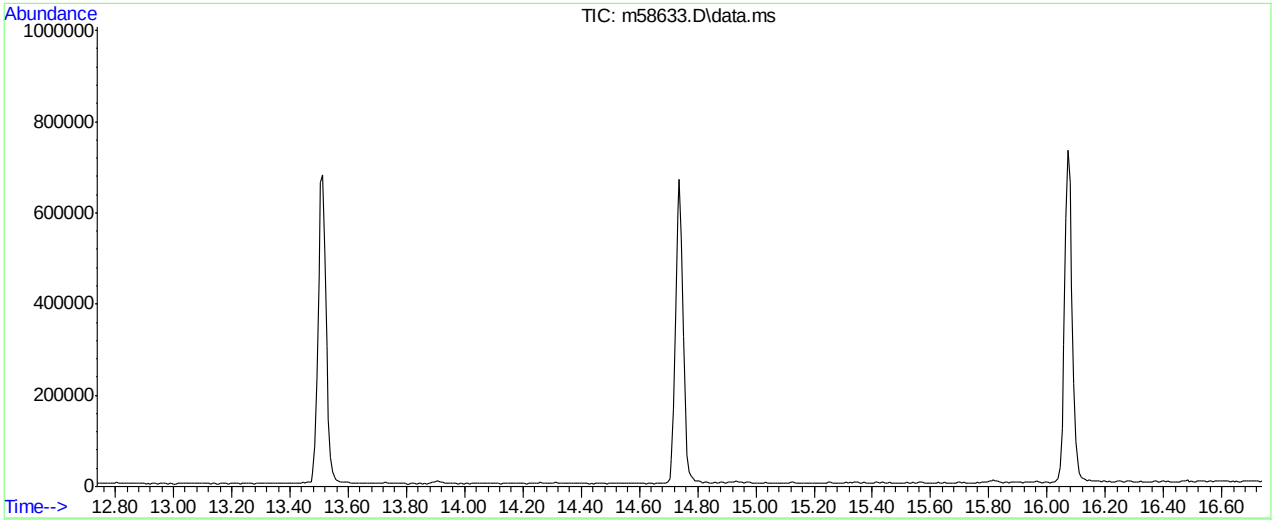
response 150442

Ion	Exp%	Act%
64.00	100	100
66.00	31.60	30.05
0.00	0.00	0.00
0.00	0.00	0.00

BFB

Data File : C:\msdchem\1\data\M130821.S\m58633.D Vial: 9
Acq On : 21 Aug 2013 12:54 pm Operator: krystend
Sample : bfb Inst : GCMS M
Misc : MS29707,MSM2022,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Average of 14.731 to 14.745 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.5	26707	PASS
75	95	30	60	51.4	58531	PASS
95	95	100	100	100.0	113843	PASS
96	95	5	9	6.7	7658	PASS
173	174	0.00	2	1.1	1127	PASS
174	95	50	150	86.7	98749	PASS
175	174	5	9	7.6	7472	PASS
176	174	95	101	96.7	95533	PASS
177	176	5	9	6.6	6321	PASS

m58633.D M130821S.M Thu Aug 22 09:41:59 2013

Average of 14.731 to 14.745 min.: m58633.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1525	49.00	5971	61.00	6136	74.00	21045
37.00	7395	50.00	26707	62.00	5630	75.00	58531
38.05	6945	51.00	8047	63.00	4877	76.00	5081
39.05	2577	52.05	360	64.05	642	76.85	629
41.90	67	53.00	53	65.05	250	77.20	152
43.10	178	54.90	480	67.05	509	77.95	257
44.00	1515	56.00	2310	68.00	11929	78.90	5317
45.00	1359	57.00	4195	69.00	12403	79.85	1337
46.05	186	58.00	293	69.95	888	80.90	5713
47.00	1543	58.80	68	72.00	751	81.85	1138
48.05	896	60.00	1227	73.00	5363	82.95	120

Average of 14.731 to 14.745 min.: m58633.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.20	66	96.80	88	116.85	744	139.90	52
86.10	69	97.00	123	117.85	545	140.90	1413
86.90	5503	102.90	62	118.90	651	141.85	126
87.90	5181	103.10	57	125.80	51	142.85	1361
88.80	64	103.90	672	127.90	559	145.90	126
90.85	624	105.90	666	128.90	291	147.30	81
91.95	3514	106.90	134	129.85	406	147.90	305
93.00	4836	110.80	60	130.90	54	149.85	147
94.00	15037	111.80	52	134.90	335	153.80	59
95.00	113843	114.90	53	136.70	58	154.85	297
96.00	7658	115.95	523	136.95	239	156.80	154

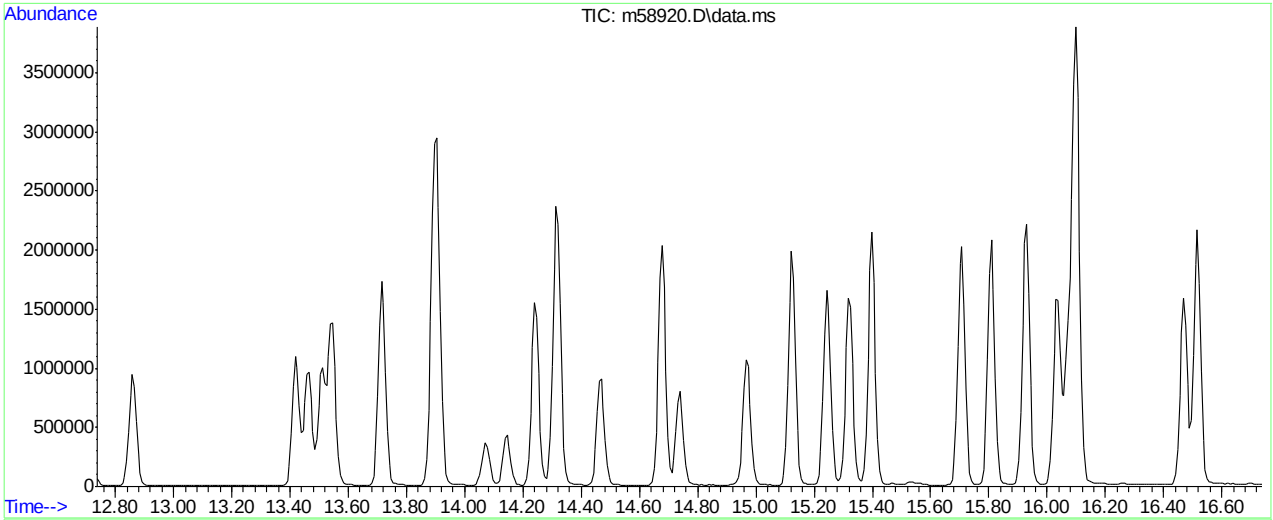
Average of 14.731 to 14.745 min.: m58633.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
159.00	51	175.90	95533				
160.75	123	176.90	6321				
169.70	51	177.95	115				
170.80	64	180.80	57				
171.10	73	207.00	161				
171.70	144	269.00	190				
172.00	167						
172.20	127						
173.00	1127						
173.90	98749						
174.90	7472						

BFB

Data File : C:\msdchem\1\data\M130903.S\m58920.D Vial: 2
Acq On : 3 Sep 2013 8:35 am Operator: krystend
Sample : bfb Inst : GCMS M
Misc : MS29794,MSM2033,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 1545

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.8	29765	PASS
75	95	30	60	45.3	71621	PASS
95	95	100	100	100.0	158192	PASS
96	95	5	9	6.7	10616	PASS
173	174	0.00	2	0.9	1291	PASS
174	95	50	150	89.4	141452	PASS
175	174	5	9	7.2	10201	PASS
176	174	95	101	97.6	138053	PASS
177	176	5	9	6.1	8408	PASS

m58920.D M130821S.M Tue Sep 03 11:47:38 2013

Scan 1545 (14.738 min): m58920.D\data.ms (-1554)
cc2022-50
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.85	1500	49.00	7287	62.00	6613	74.00	24544
37.00	8054	50.00	29765	62.95	5657	74.95	71621
38.05	6992	50.95	9612	63.90	584	76.00	6277
39.00	2598	52.10	304	65.20	207	77.00	1087
41.00	238	52.90	177	66.10	156	78.00	786
43.00	153	54.90	463	66.90	446	78.85	5908
44.00	350	56.00	2379	68.00	13842	79.90	1227
45.00	1487	57.00	4498	68.95	14472	80.85	5179
46.10	216	57.90	214	70.00	1050	81.90	1372
46.90	1896	60.00	1234	72.00	772	83.10	286
48.00	712	61.00	7422	73.00	5828	86.90	7284

Scan 1545 (14.738 min): m58920.D\data.ms (-1554)
cc2022-50
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.90	6128	105.90	730	127.90	597	149.00	182
90.90	653	106.90	191	128.80	608	151.90	159
91.90	4277	111.00	202	129.80	417	154.90	548
93.00	6743	111.80	239	130.90	339	156.90	230
94.00	19850	114.80	282	134.80	229	161.00	213
94.95	158192	115.90	533	137.00	208	171.00	168
96.00	10616	116.90	1058	140.90	2282	171.80	356
96.95	320	117.90	594	141.80	271	173.00	1291
102.90	587	118.80	1010	142.90	1678	173.85	141452
103.90	1050	120.00	364	145.05	165	174.90	10201
105.00	2439	123.90	186	147.80	397	175.90	138053

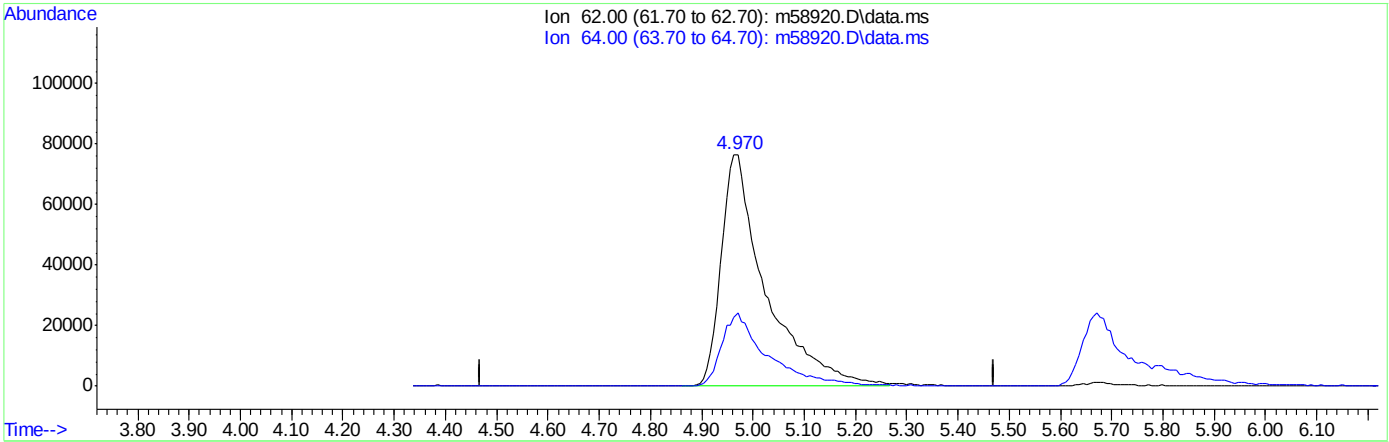
Scan 1545 (14.738 min): m58920.D\data.ms (-1554)
cc2022-50
Modified:subtracted

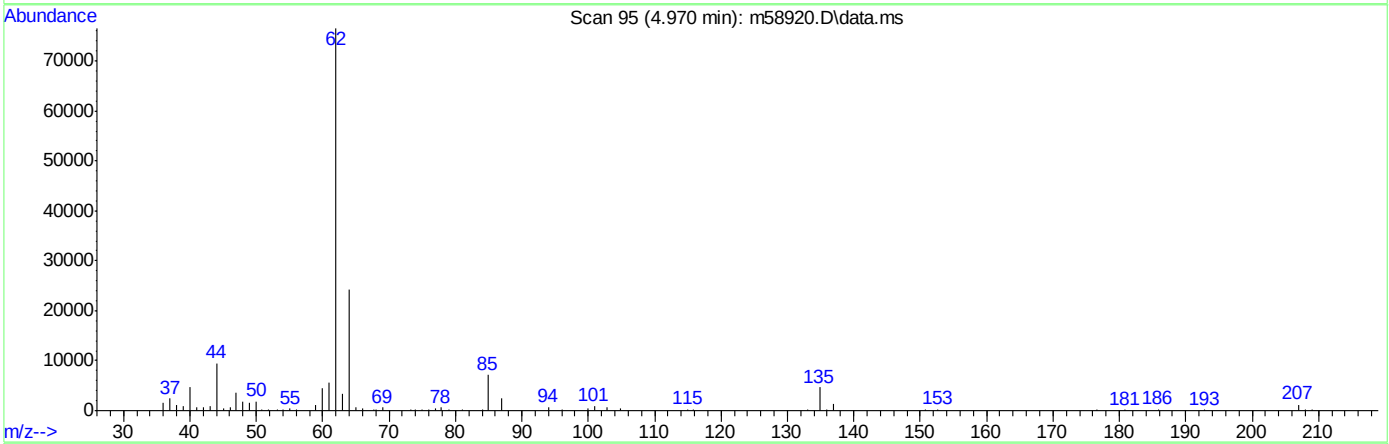
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
176.90	8408						
177.90	247						
266.90	220						
268.95	44						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58920.D
Acq On : 3 Sep 2013 8:35 am
Operator : krystend
Sample : cc2022-50
Misc : MS29794,MSM2033,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 03 08:58:12 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m58920.D\data.ms

(7) vinyl chloride (c)

4.970min (+0.000) 46.35ug/kg m

response 462041

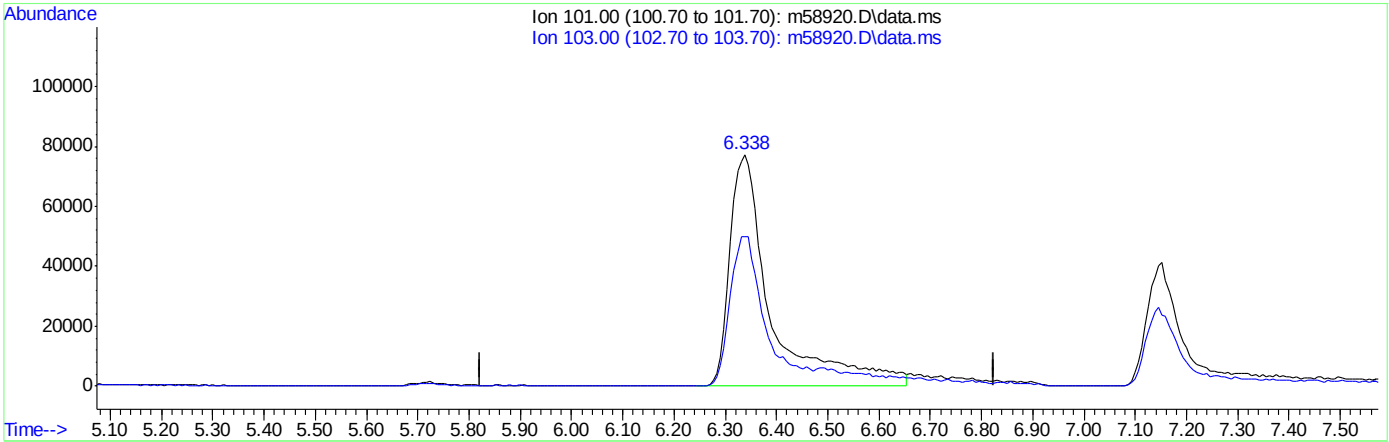
Ion	Exp%	Act%
62.00	100	100
64.00	29.50	31.72
0.00	0.00	0.00
0.00	0.00	0.00

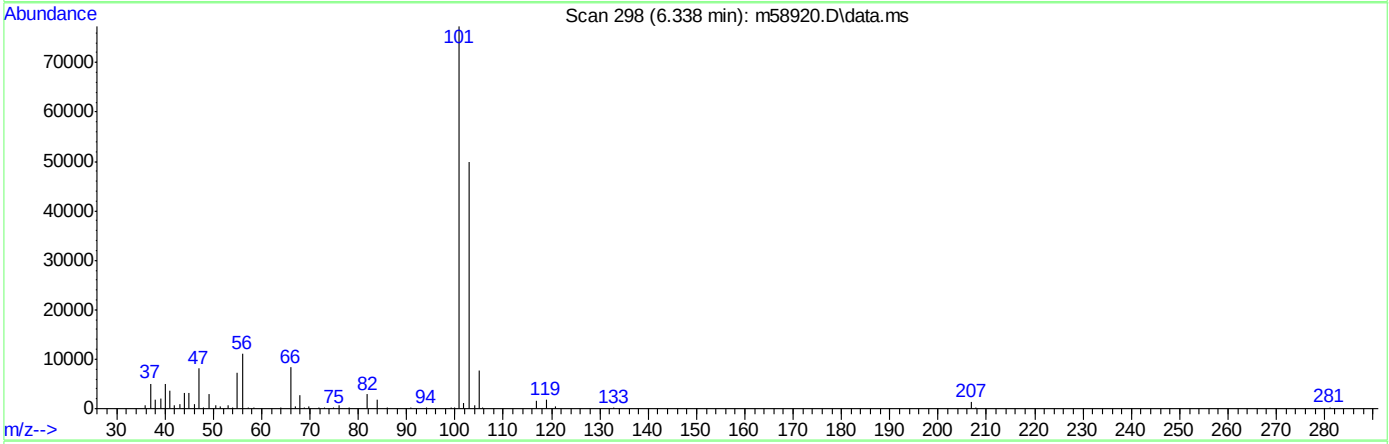
ACCUTEST LABORATORIES MC23948

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58920.D
Acq On : 3 Sep 2013 8:35 am
Operator : krystend
Sample : cc2022-50
Misc : MS29794,MSM2033,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 03 08:58:12 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m58920.D\data.ms

(12) trichlorofluoromethane (M)

6.338min (-0.006) 54.07ug/kg m

response 434175

Ion	Exp%	Act%
101.00	100	100
103.00	62.50	64.65
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC23948

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58636.D
Acq On : 21 Aug 2013 2:37 pm
Operator : krystend
Sample : IC2022-0.5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 08:23:35 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:22:00 2013
Response via : Initial Calibration

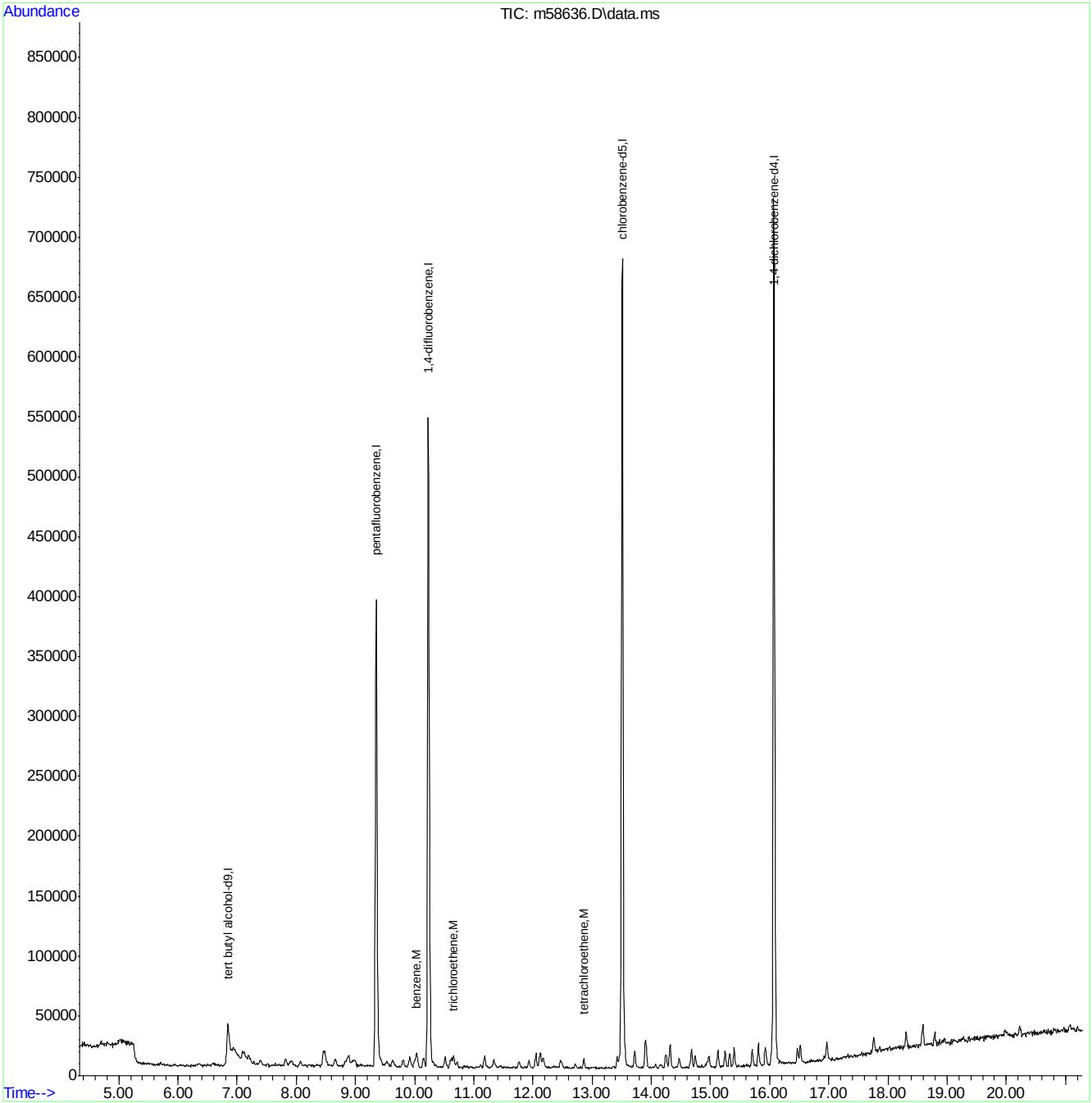
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	125230	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	290511	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	487688	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	208561	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	204058	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	0.000	113	0d	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
59) toluene-d8 (s)	0.000	98	0d	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
81) bromofluorobenzene (s)	0.000	95	0d	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
46) benzene	10.036	78	10302	0.65	ug/kg	90
50) trichloroethene	10.655	95	2530	0.60	ug/kg	88
66) tetrachloroethene	12.858	166	2213	0.63	ug/kg	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58636.D
Acq On : 21 Aug 2013 2:37 pm
Operator : krystend
Sample : IC2022-0.5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 08:23:35 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:22:00 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58637.D
Acq On : 21 Aug 2013 3:07 pm
Operator : krystend
Sample : IC2022-2
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 22 08:25:58 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:23:52 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.850	65	128874	500.00	ug/kg	0.00
4) pentafluorobenzene		9.355	168	301077	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	500343	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	210938	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	210898	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	7945	1.92	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	3.84%#		
59) toluene-d8 (s)		12.043	98	26163	1.85	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	3.70%#		
81) bromofluorobenzene (s)		14.738	95	8168	1.78	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	3.56%#		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.937	59	7658	19.65	ug/kg	70
3) Ethanol		5.651	45	3096	79.72	ug/kg#	39
5) dichlorodifluoromethane		4.445	85	9161	1.90	ug/kg	99
6) chloromethane		4.701	50	14972	2.11	ug/kg	87
7) vinyl chloride		4.984	62	16403	2.07	ug/kg	80
8) bromomethane	...	5.516	96	7998	2.35	ug/kg#	70
9) chloroethane		5.677	64	4226	1.61	ug/kg#	43
10) ethyl ether		6.607	59	5279	1.67	ug/kg	79
11) acetonitrile		6.614	41	2632	2.74	ug/kg#	38
12) trichlorofluoromethane		6.351	101	10186	1.49	ug/kg	92
13) freon-113		7.146	101	5465	1.48	ug/kg	97
15) 1,1-dichloroethene		6.951	96	6795	1.84	ug/kg#	82
17) Methyl Acetate		7.200	43	10617	1.85	ug/kg	93
18) methylene chloride		7.112	84	9404	2.28	ug/kg	92
19) methyl tert butyl ether		7.907	73	16694	1.65	ug/kg	91
21) allyl chloride		7.200	41	13894	1.93	ug/kg	94
22) trans-1,2-dichloroethene		7.826	96	8164	1.92	ug/kg	93
23) iodomethane		7.011	142	11710	1.63	ug/kg	92
24) carbon disulfide		7.388	76	22074	1.71	ug/kg	95
26) vinyl acetate		8.237	43	12058	1.21	ug/kg	81
27) chloroprene		8.446	53	11081	1.68	ug/kg	96
28) di-isopropyl ether		8.487	45	27298	1.71	ug/kg	83
29) methacrylonitrile		8.641	41	6176	2.25	ug/kg	76
31) 1,1-dichloroethane		8.082	63	12083	1.72	ug/kg	95
32) tert-butyl ethyl ether		8.884	59	18156	1.48	ug/kg	99
33) isobutyl alcohol		8.891	43	5165	9.07	ug/kg	77
34) 2,2-dichloropropane		8.951	77	8562	1.78	ug/kg	93
35) cis-1,2-dichloroethene		8.655	96	8346	1.75	ug/kg	94
36) ethyl acetate		8.891	43	5165	1.80	ug/kg	95
37) bromochloromethane		8.830	128	3731	1.72	ug/kg	86
38) chloroform		8.870	83	12568	1.72	ug/kg	95
40) Tetrahydrofuran		9.214	42	3904	2.63	ug/kg	73
41) 1,1,1-trichloroethane		9.638	97	10564	1.78	ug/kg	85
43) Cyclohexane		9.915	56	12233	1.82	ug/kg	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58637.D
Acq On : 21 Aug 2013 3:07 pm
Operator : krystend
Sample : IC2022-2
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 22 08:25:58 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:23:52 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	carbon tetrachloride	10.002	117	9279	1.75	ug/kg	98
45)	1,1-dichloropropene	9.814	75	9451	1.76	ug/kg	95
46)	benzene	10.036	78	28407	1.52	ug/kg	97
47)	1,2-dichloroethane	9.531	62	9457	1.68	ug/kg	99
48)	tert-amyl methyl ether	10.150	73	16924	1.77	ug/kg	92
49)	heptane	10.507	43	13200	1.78	ug/kg	95
50)	trichloroethene	10.669	95	7693	1.61	ug/kg	92
51)	1,2-dichloropropane	10.622	63	7565	1.70	ug/kg	93
52)	dibromomethane	10.602	93	4167	1.68	ug/kg	93
53)	bromodichloromethane	10.716	83	9180	1.59	ug/kg	84
54)	Methylcyclohexane	11.181	83	10913	1.52	ug/kg	85
55)	2-chloroethyl vinyl ether	11.100	63	2813	1.55	ug/kg#	47
56)	methyl methacrylate	10.824	69	3415	1.28	ug/kg#	78
58)	cis-1,3-dichloropropene	11.336	75	11165	1.64	ug/kg	90
60)	4-methyl-2-pentanone	11.437	43	8940	1.79	ug/kg#	82
61)	toluene	12.117	92	16606	1.61	ug/kg	96
62)	trans-1,3-dichloropropene	11.760	75	8720	1.54	ug/kg	92
63)	1,1,2-trichloroethane	11.929	83	5049	1.64	ug/kg	96
64)	ethyl methacrylate	12.138	69	7316	1.39	ug/kg	93
66)	tetrachloroethene	12.865	166	6304	1.57	ug/kg	92
67)	1,3-dichloropropane	12.171	76	9782	1.78	ug/kg	96
68)	dibromochloromethane	12.461	129	6880	1.62	ug/kg	91
69)	1,2-dibromoethane	12.717	107	6135	1.69	ug/kg	86
70)	2-hexanone	12.326	43	7816	1.81	ug/kg#	62
71)	chlorobenzene	13.546	112	19725	1.72	ug/kg	94
72)	1,1,1,2-tetrachloroethane	13.458	131	7194	1.82	ug/kg	90
73)	ethylbenzene	13.721	91	31475	1.68	ug/kg	96
74)	m,p-xylene	13.903	106	25645	3.30	ug/kg	90
75)	o-xylene	14.320	106	12426	1.61	ug/kg	83
76)	styrene	14.246	104	19320	1.66	ug/kg	87
77)	bromoform	14.071	173	3867	1.57	ug/kg	93
78)	trans-1,4-dichloro-2-b...	14.468	53	2739	1.79	ug/kg	89
80)	isopropylbenzene	14.677	105	32307	1.59	ug/kg	96
82)	bromobenzene	14.974	156	7465	1.60	ug/kg	95
83)	1,1,2,2-tetrachloroethane	14.320	83	8162	1.58	ug/kg	95
84)	1,2,3-trichloropropane	14.468	75	8063	1.52	ug/kg	97
85)	n-propylbenzene	15.129	91	37853	1.60	ug/kg	99
86)	2-chlorotoluene	15.243	91	22301	1.62	ug/kg	94
87)	4-chlorotoluene	15.324	91	22339	1.64	ug/kg	95
88)	1,3,5-trimethylbenzene	15.398	105	25624	1.46	ug/kg	91
89)	tert-butylbenzene	15.701	91	14863	1.55	ug/kg	88
90)	1,2,4-trimethylbenzene	15.809	105	25020	1.47	ug/kg	98
91)	sec-butylbenzene	15.923	105	34429	1.44	ug/kg	98
92)	1,3-dichlorobenzene	16.038	146	15816	1.63	ug/kg	97
93)	p-isopropyltoluene	16.099	119	27209	1.40	ug/kg	94
94)	1,4-dichlorobenzene	16.099	146	15890	1.48	ug/kg	93
95)	1,2-dichlorobenzene	16.469	146	14756	1.56	ug/kg	86
96)	n-butylbenzene	16.516	91	27362	1.44	ug/kg	98
97)	1,2-dibromo-3-chloropr...	16.954	75	1923m	2.10	ug/kg	
98)	1,3,5-trichlorobenzene	17.762	180	9882	1.55	ug/kg	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58637.D
Acq On : 21 Aug 2013 3:07 pm
Operator : krystend
Sample : IC2022-2
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 22 08:25:58 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:23:52 2013
Response via : Initial Calibration

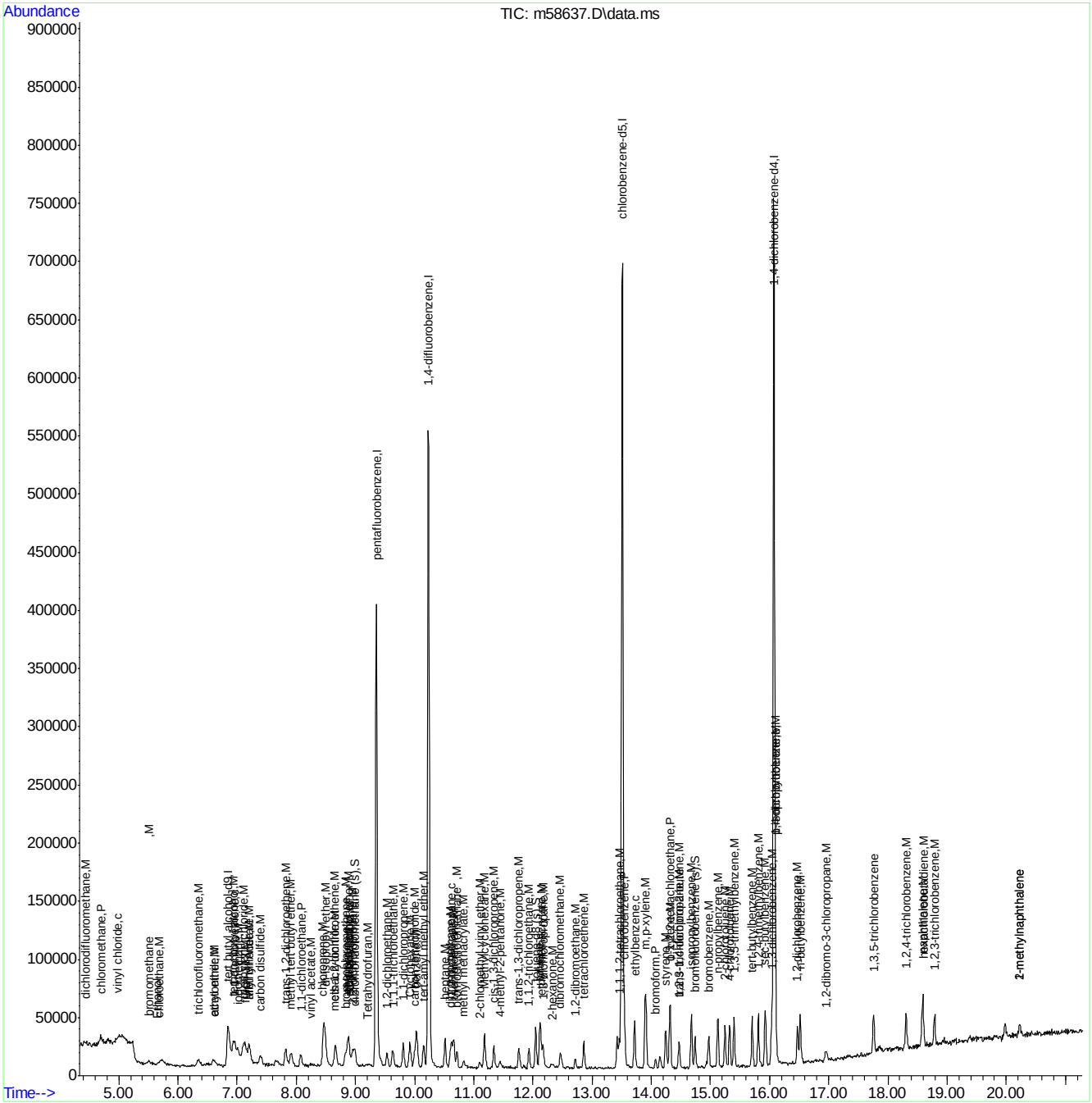
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99)	1,2,4-trichlorobenzene	18.308	180	9672	1.62	ug/kg	95
100)	hexachlorobutadiene	18.598	225	5037	1.64	ug/kg	79
101)	naphthalene	18.584	128	23533	1.48	ug/kg	100
102)	1,2,3-trichlorobenzene	18.793	180	9284	1.63	ug/kg	89
103)	2-methylnaphthalene	20.228	142	6495	0.77	ug/kg	98
104)	1-methylnaphthalene	20.228	TIC	106621	4.07	ug/kg#	62

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58637.D
Acq On : 21 Aug 2013 3:07 pm
Operator : krystend
Sample : IC2022-2
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 22 08:25:58 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:23:52 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58638.D
Acq On : 21 Aug 2013 3:36 pm
Operator : krystend
Sample : IC2022-5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 08:27:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:26:07 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	141836	500.00	ug/kg	0.00
4) pentafluorobenzene		9.355	168	299025	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	503895	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	216391	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	209821	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	20213	5.26	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	10.52%#		
59) toluene-d8 (s)		12.043	98	65377	4.99	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	9.98%#		
81) bromofluorobenzene (s)		14.738	95	22664	5.48	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	10.96%#		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.944	59	18874	44.39	ug/kg	78
3) Ethanol		5.650	45	7974	266.78	ug/kg#	84
5) dichlorodifluoromethane		4.424	85	19092	4.08	ug/kg	98
6) chloromethane		4.694	50	32374	4.47	ug/kg	94
7) vinyl chloride		4.984	62	38445	4.80	ug/kg	93
8) bromomethane	...	5.496	96	17517	4.77	ug/kg	90
9) chloroethane		5.691	64	12817	5.44	ug/kg	99
10) ethyl ether		6.587	59	13312	4.62	ug/kg	94
11) acetonitrile		6.594	41	4257	3.77	ug/kg	95
12) trichlorofluoromethane		6.338	101	33848	5.72	ug/kg	95
13) freon-113		7.139	101	15114	4.73	ug/kg	92
14) acrolein		6.412	56	4333	16.20	ug/kg	95
15) 1,1-dichloroethene		6.951	96	16905	4.80	ug/kg	83
16) acetone		6.614	58	2391	2.48	ug/kg#	28
17) Methyl Acetate		7.173	43	18399	3.35	ug/kg	83
18) methylene chloride		7.112	84	21395	4.88	ug/kg	86
19) methyl tert butyl ether		7.914	73	44190	4.82	ug/kg	98
20) acrylonitrile		7.106	53	6802	3.98	ug/kg	99
21) allyl chloride		7.193	41	34964	4.98	ug/kg	92
22) trans-1,2-dichloroethene		7.813	96	21634	5.23	ug/kg	95
23) iodomethane		7.018	142	30401	4.70	ug/kg	99
24) carbon disulfide		7.395	76	52813	4.44	ug/kg	99
25) propionitrile		8.204	54	2168m	3.95	ug/kg	
26) vinyl acetate		8.210	43	31863	4.02	ug/kg	100
27) chloroprene		8.446	53	27723	4.61	ug/kg	93
28) di-isopropyl ether		8.486	45	68698	4.68	ug/kg	92
29) methacrylonitrile		8.621	41	10148	3.50	ug/kg	94
30) 2-butanone		8.662	72	2065m	2.73	ug/kg	
31) 1,1-dichloroethane		8.076	63	32456	4.99	ug/kg	95
32) tert-butyl ethyl ether		8.884	59	51725	4.88	ug/kg	95
33) isobutyl alcohol		8.904	43	15700	29.11	ug/kg#	71
34) 2,2-dichloropropane		8.958	77	21611	4.78	ug/kg	95
35) cis-1,2-dichloroethene		8.662	96	22860	5.14	ug/kg	84
36) ethyl acetate		8.904	43	15700	5.80	ug/kg	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58638.D
Acq On : 21 Aug 2013 3:36 pm
Operator : krystend
Sample : IC2022-5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 08:27:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:26:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	9716	4.85	ug/kg	82
38) chloroform	8.864	83	31175	4.62	ug/kg	99
40) Tetrahydrofuran	9.207	42	8741	5.12	ug/kg	98
41) 1,1,1-trichloroethane	9.632	97	27320	4.90	ug/kg	99
43) Cyclohexane	9.921	56	31188	4.82	ug/kg	88
44) carbon tetrachloride	9.995	117	25263	5.04	ug/kg	92
45) 1,1-dichloropropene	9.807	75	25377	5.00	ug/kg	97
46) benzene	10.036	78	74513	4.30	ug/kg	96
47) 1,2-dichloroethane	9.531	62	25231	4.84	ug/kg	93
48) tert-amyl methyl ether	10.150	73	41674	4.59	ug/kg	99
49) heptane	10.514	43	33348	4.73	ug/kg	98
50) trichloroethene	10.662	95	19371	4.31	ug/kg	95
51) 1,2-dichloropropane	10.629	63	19941	4.81	ug/kg	91
52) dibromomethane	10.602	93	11067	4.81	ug/kg	98
53) bromodichloromethane	10.716	83	25169	4.82	ug/kg	96
54) Methylcyclohexane	11.181	83	30720	4.83	ug/kg	90
55) 2-chloroethyl vinyl ether	11.100	63	7406	4.56	ug/kg#	72
56) methyl methacrylate	10.811	69	10373	4.72	ug/kg	96
57) 1,4-dioxane	10.817	88	379m	9.79	ug/kg	
58) cis-1,3-dichloropropene	11.336	75	29386	4.71	ug/kg	94
60) 4-methyl-2-pentanone	11.430	43	24508	5.14	ug/kg	92
61) toluene	12.117	92	43860	4.68	ug/kg	97
62) trans-1,3-dichloropropene	11.760	75	24756	4.90	ug/kg	97
63) 1,1,2-trichloroethane	11.936	83	13377	4.75	ug/kg	96
64) ethyl methacrylate	12.138	69	19638	4.37	ug/kg	86
66) tetrachloroethene	12.858	166	16373	4.27	ug/kg	96
67) 1,3-dichloropropane	12.171	76	24718	4.63	ug/kg	99
68) dibromochloromethane	12.461	129	19247	4.88	ug/kg	86
69) 1,2-dibromoethane	12.710	107	16845	4.90	ug/kg	98
70) 2-hexanone	12.306	43	22642	5.37	ug/kg	88
71) chlorobenzene	13.546	112	53449	4.89	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.458	131	17912	4.62	ug/kg	99
73) ethylbenzene	13.714	91	84571	4.79	ug/kg	95
74) m,p-xylene	13.903	106	66820	9.19	ug/kg	99
75) o-xylene	14.313	106	32877	4.59	ug/kg	100
76) styrene	14.246	104	50574	4.62	ug/kg	94
77) bromoform	14.078	173	10641	4.72	ug/kg	96
78) trans-1,4-dichloro-2-b...	14.468	53	6653	4.48	ug/kg	95
80) isopropylbenzene	14.677	105	83853	4.63	ug/kg	100
82) bromobenzene	14.974	156	21229	5.08	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.320	83	21468	4.66	ug/kg	95
84) 1,2,3-trichloropropane	14.468	75	22139	4.77	ug/kg	88
85) n-propylbenzene	15.122	91	99988	4.71	ug/kg	97
86) 2-chlorotoluene	15.243	91	59177	4.77	ug/kg	98
87) 4-chlorotoluene	15.324	91	56918	4.62	ug/kg	91
88) 1,3,5-trimethylbenzene	15.398	105	67361	4.47	ug/kg	93
89) tert-butylbenzene	15.708	91	38702	4.57	ug/kg	93
90) 1,2,4-trimethylbenzene	15.809	105	67451	4.58	ug/kg	93
91) sec-butylbenzene	15.930	105	95612	4.68	ug/kg	100
92) 1,3-dichlorobenzene	16.038	146	41704	4.76	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58638.D
Acq On : 21 Aug 2013 3:36 pm
Operator : krystend
Sample : IC2022-5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 08:27:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:26:07 2013
Response via : Initial Calibration

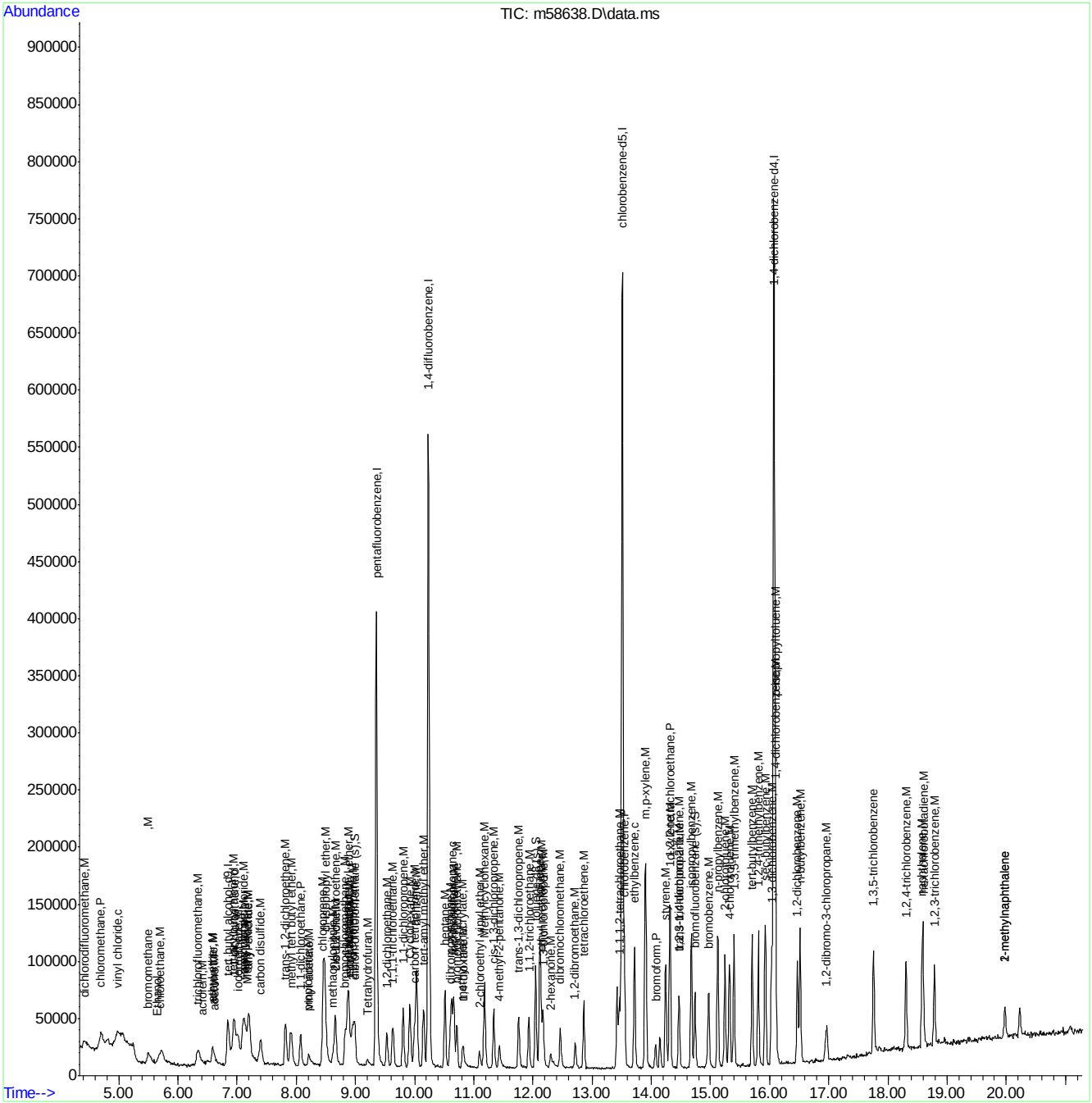
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	69506	4.23	ug/kg	96
94) 1,4-dichlorobenzene	16.105	146	41534	4.47	ug/kg	98
95) 1,2-dichlorobenzene	16.469	146	39580	4.73	ug/kg	99
96) n-butylbenzene	16.516	91	74879	4.61	ug/kg	95
97) 1,2-dibromo-3-chloropr...	16.954	75	5776	6.19	ug/kg#	76
98) 1,3,5-trichlorobenzene	17.756	180	28292	5.03	ug/kg	99
99) 1,2,4-trichlorobenzene	18.308	180	26041	4.85	ug/kg	99
100) hexachlorobutadiene	18.598	225	13008	4.68	ug/kg	92
101) naphthalene	18.578	128	64622	4.70	ug/kg	100
102) 1,2,3-trichlorobenzene	18.793	180	24563	4.78	ug/kg	99
103) 2-methylnaphthalene	19.979	142	18368	2.48	ug/kg#	93
104) 1-methylnaphthalene	19.979	TIC	73432	1.11	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58638.D
Acq On : 21 Aug 2013 3:36 pm
Operator : krystend
Sample : IC2022-5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 08:27:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:26:07 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC23948

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58639.D
Acq On : 21 Aug 2013 4:05 pm
Operator : krystend
Sample : IC2022-10
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 08:27:57 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:27:22 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	133918	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	294681	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	503178	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	216735	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	216300	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	39799	10.66	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	21.32%#		
59) toluene-d8 (s)		12.043	98	137795	10.87	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	21.74%#		
81) bromofluorobenzene (s)		14.738	95	45749	10.75	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	21.50%#		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.937	59	33823	87.53	ug/kg	93
3) Ethanol		5.650	45	33144	1390.64	ug/kg#	84
5) dichlorodifluoromethane		4.438	85	46389	10.72	ug/kg	85
6) chloromethane		4.694	50	70835	10.29	ug/kg	95
7) vinyl chloride		4.970	62	81543	10.47	ug/kg	89
8) bromomethane	...	5.496	96	37955	10.64	ug/kg	88
9) chloroethane		5.684	64	28471	11.91	ug/kg	98
10) ethyl ether		6.587	59	29085	10.51	ug/kg	87
11) acetonitrile		6.587	41	5541	5.42	ug/kg	73
12) trichlorofluoromethane		6.338	101	60468	9.90	ug/kg	99
13) freon-113		7.146	101	32435	10.50	ug/kg	94
14) acrolein		6.371	56	8715	40.13	ug/kg	95
15) 1,1-dichloroethene		6.951	96	35170	10.26	ug/kg	99
16) acetone		6.573	58	6890	9.69	ug/kg#	82
17) Methyl Acetate		7.153	43	37712	7.83	ug/kg	93
18) methylene chloride		7.099	84	46177	10.77	ug/kg	97
19) methyl tert butyl ether		7.907	73	90678	10.16	ug/kg	95
20) acrylonitrile		7.052	53	12994	8.60	ug/kg	87
21) allyl chloride		7.200	41	72089	10.43	ug/kg	93
22) trans-1,2-dichloroethene		7.813	96	40852	9.87	ug/kg	96
23) iodomethane		7.018	142	67724	10.84	ug/kg	98
24) carbon disulfide		7.395	76	124101	10.99	ug/kg	99
25) propionitrile		8.190	54	3862	7.97	ug/kg	100
26) vinyl acetate		8.190	43	74067	10.14	ug/kg	97
27) chloroprene		8.446	53	59534	10.31	ug/kg	89
28) di-isopropyl ether		8.486	45	140106	9.89	ug/kg	90
29) methacrylonitrile		8.614	41	22951	8.93	ug/kg	97
30) 2-butanone		8.534	72	6768	11.75	ug/kg#	1
31) 1,1-dichloroethane		8.076	63	66601	10.40	ug/kg	98
32) tert-butyl ethyl ether		8.884	59	106874	10.32	ug/kg	97
33) isobutyl alcohol		8.891	43	27751	49.50	ug/kg	100
34) 2,2-dichloropropane		8.958	77	46600	10.62	ug/kg	99
35) cis-1,2-dichloroethene		8.662	96	44421	10.04	ug/kg	95
36) ethyl acetate		8.891	43	28004	9.97	ug/kg	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58639.D
Acq On : 21 Aug 2013 4:05 pm
Operator : krystend
Sample : IC2022-10
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 08:27:57 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:27:22 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	19607	10.04	ug/kg	89
38) chloroform	8.864	83	65913	10.16	ug/kg	99
40) Tetrahydrofuran	9.214	42	13913	8.20	ug/kg	83
41) 1,1,1-trichloroethane	9.632	97	56161	10.29	ug/kg	95
43) Cyclohexane	9.921	56	62768	9.83	ug/kg	95
44) carbon tetrachloride	10.002	117	51373	10.24	ug/kg	95
45) 1,1-dichloropropene	9.807	75	51718	10.20	ug/kg	99
46) benzene	10.036	78	153694	9.21	ug/kg	99
47) 1,2-dichloroethane	9.531	62	50871	9.88	ug/kg	99
48) tert-amyl methyl ether	10.150	73	85107	9.66	ug/kg	98
49) heptane	10.514	43	69478	10.05	ug/kg	96
50) trichloroethene	10.662	95	41705	9.63	ug/kg	97
51) 1,2-dichloropropane	10.622	63	42450	10.39	ug/kg	98
52) dibromomethane	10.602	93	22337	9.85	ug/kg	95
53) bromodichloromethane	10.716	83	52538	10.20	ug/kg	97
54) Methylcyclohexane	11.181	83	65621	10.45	ug/kg	98
55) 2-chloroethyl vinyl ether	11.093	63	16374	10.41	ug/kg	96
56) methyl methacrylate	10.811	69	21661	10.06	ug/kg	99
57) 1,4-dioxane	10.844	88	1326m	49.28	ug/kg	
58) cis-1,3-dichloropropene	11.336	75	60810	9.95	ug/kg	95
60) 4-methyl-2-pentanone	11.430	43	46312	9.64	ug/kg	93
61) toluene	12.117	92	92664	10.12	ug/kg	97
62) trans-1,3-dichloropropene	11.760	75	50689	10.12	ug/kg	97
63) 1,1,2-trichloroethane	11.935	83	27256	9.85	ug/kg	96
64) ethyl methacrylate	12.131	69	41357	9.62	ug/kg	99
66) tetrachloroethene	12.858	166	34600	9.36	ug/kg	92
67) 1,3-dichloropropane	12.171	76	50588	9.71	ug/kg	97
68) dibromochloromethane	12.461	129	38928	9.94	ug/kg	97
69) 1,2-dibromoethane	12.717	107	33176	9.70	ug/kg	98
70) 2-hexanone	12.293	43	42896	9.91	ug/kg	96
71) chlorobenzene	13.545	112	111493	10.26	ug/kg	100
72) 1,1,1,2-tetrachloroethane	13.465	131	38005	10.04	ug/kg	96
73) ethylbenzene	13.714	91	178505	10.23	ug/kg	97
74) m,p-xylene	13.903	106	141425	19.95	ug/kg	96
75) o-xylene	14.313	106	70263	10.07	ug/kg	97
76) styrene	14.246	104	110681	10.36	ug/kg	95
77) bromoform	14.071	173	22198	10.02	ug/kg	90
78) trans-1,4-dichloro-2-b...	14.468	53	13249	9.22	ug/kg#	83
80) isopropylbenzene	14.677	105	184386	10.12	ug/kg	98
82) bromobenzene	14.974	156	43307	10.00	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.320	83	44504	9.59	ug/kg	93
84) 1,2,3-trichloropropane	14.468	75	44875	9.52	ug/kg	96
85) n-propylbenzene	15.122	91	219857	10.25	ug/kg	99
86) 2-chlorotoluene	15.243	91	126141	10.02	ug/kg	98
87) 4-chlorotoluene	15.324	91	124974	10.10	ug/kg	98
88) 1,3,5-trimethylbenzene	15.398	105	150711	10.05	ug/kg	97
89) tert-butylbenzene	15.708	91	83916	9.90	ug/kg	98
90) 1,2,4-trimethylbenzene	15.809	105	146287	9.92	ug/kg	99
91) sec-butylbenzene	15.930	105	202283	9.81	ug/kg	99
92) 1,3-dichlorobenzene	16.038	146	88987	10.01	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58639.D
Acq On : 21 Aug 2013 4:05 pm
Operator : krystend
Sample : IC2022-10
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 08:27:57 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:27:22 2013
Response via : Initial Calibration

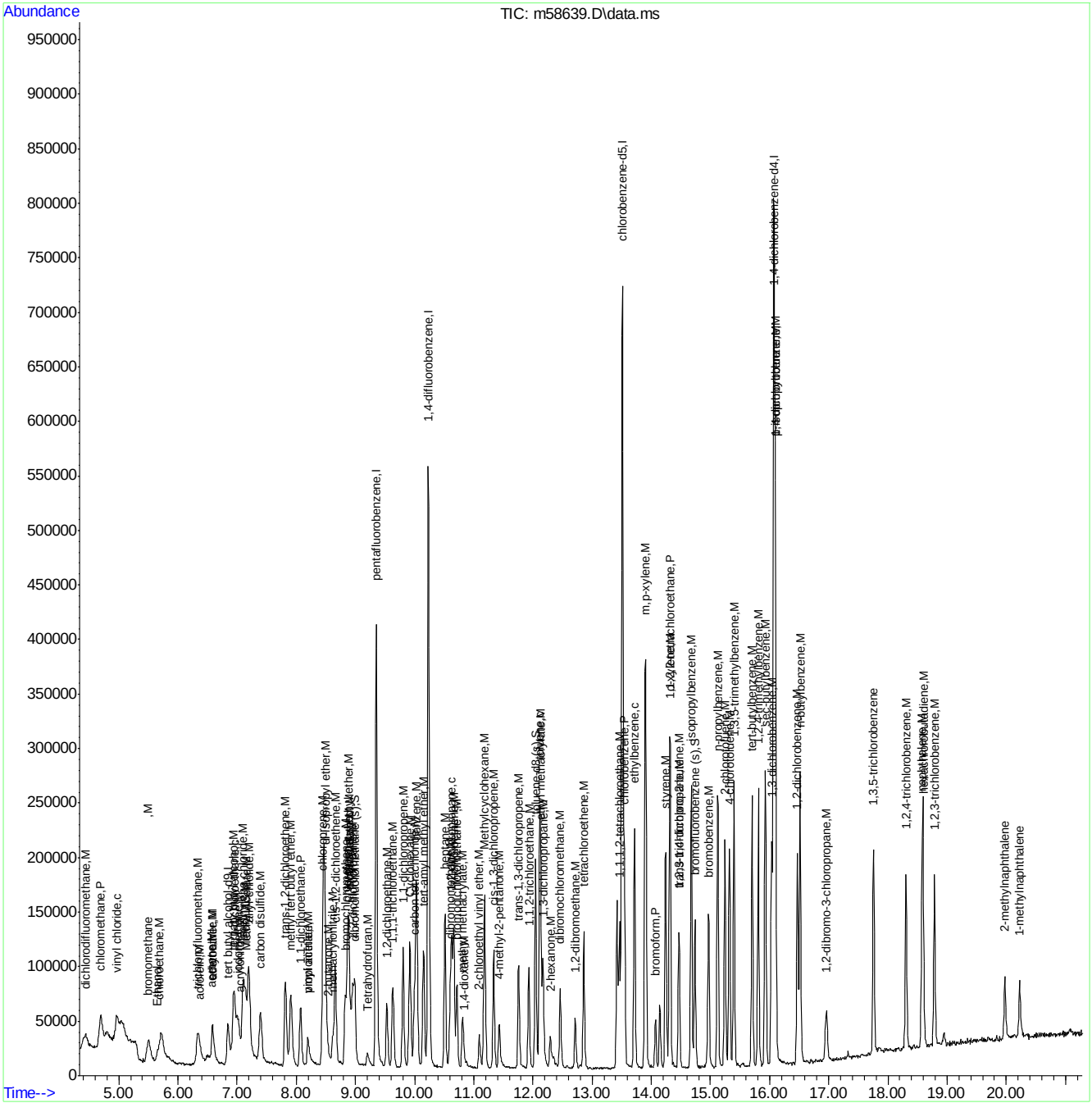
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	154801	9.64	ug/kg	99
94)	1,4-dichlorobenzene	16.099	146	90173	9.75	ug/kg	97
95)	1,2-dichlorobenzene	16.469	146	84187	9.94	ug/kg	98
96)	n-butylbenzene	16.516	91	164221	10.07	ug/kg	96
97)	1,2-dibromo-3-chloropr...	16.954	75	9809	9.45	ug/kg#	69
98)	1,3,5-trichlorobenzene	17.756	180	59191	10.18	ug/kg	94
99)	1,2,4-trichlorobenzene	18.308	180	55505	10.12	ug/kg	94
100)	hexachlorobutadiene	18.598	225	27376	9.77	ug/kg	96
101)	naphthalene	18.578	128	135371	9.74	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	52335	10.03	ug/kg	97
103)	2-methylnaphthalene	19.979	142	35914	4.72	ug/kg	96
104)	1-methylnaphthalene	20.228	TIC	162412	2.93	ug/kg#	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58639.D
Acq On : 21 Aug 2013 4:05 pm
Operator : krystend
Sample : IC2022-10
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 08:27:57 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:27:22 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58640.D
Acq On : 21 Aug 2013 4:35 pm
Operator : krystend
Sample : IC2022-20
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 22 08:38:20 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	138315	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	308232	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	526542	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	226339	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	224045	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	84513	21.81	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 43.62%#			
59) toluene-d8 (s)	12.043	98	291048	22.01	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 44.02%#			
81) bromofluorobenzene (s)	14.738	95	98129	22.39	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 44.78%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.944	59	72131	186.55	ug/kg	91
3) Ethanol	5.657	45	71872	2659.94	ug/kg	90
5) dichlorodifluoromethane	4.431	85	93564	20.31	ug/kg	98
6) chloromethane	4.694	50	143894	19.84	ug/kg	97
7) vinyl chloride	4.963	62	176496	21.41	ug/kg	92
8) bromomethane ...	5.496	96	80760	21.31	ug/kg	98
9) chloroethane	5.677	64	54158	20.68	ug/kg	98
10) ethyl ether	6.587	59	62985	21.48	ug/kg	97
11) acetonitrile	6.580	41	19529	20.63	ug/kg	83
12) trichlorofluoromethane	6.338	101	135900	21.32	ug/kg	96
13) freon-113	7.153	101	70398	21.51	ug/kg	99
14) acrolein	6.365	56	19953	94.02	ug/kg	86
15) 1,1-dichloroethene	6.957	96	76479	21.20	ug/kg	89
16) acetone	6.513	58	13082m	17.77	ug/kg	
17) Methyl Acetate	7.139	43	96541	20.27	ug/kg	95
18) methylene chloride	7.106	84	90201	19.73	ug/kg	96
19) methyl tert butyl ether	7.907	73	181033	19.31	ug/kg	95
20) acrylonitrile	7.038	53	30379	20.16	ug/kg	84
21) allyl chloride	7.193	41	142624	19.52	ug/kg	92
22) trans-1,2-dichloroethene	7.820	96	77568	17.97	ug/kg	96
23) iodomethane	7.011	142	135978	20.38	ug/kg	96
24) carbon disulfide	7.395	76	248484	20.54	ug/kg	98
25) propionitrile	8.170	54	9032	19.12	ug/kg	100
26) vinyl acetate	8.183	43	164482	21.46	ug/kg	98
27) chloroprene	8.446	53	127891	21.01	ug/kg	100
28) di-isopropyl ether	8.486	45	297883	20.16	ug/kg	87
29) methacrylonitrile	8.614	41	46873	17.92	ug/kg	90
30) 2-butanone	8.507	72	11638	18.25	ug/kg#	76
31) 1,1-dichloroethane	8.076	63	136478	20.18	ug/kg	97
32) tert-butyl ethyl ether	8.891	59	220429	20.18	ug/kg	97
33) isobutyl alcohol	8.884	43	62182	106.30	ug/kg#	75
34) 2,2-dichloropropane	8.951	77	89276	19.16	ug/kg	99
35) cis-1,2-dichloroethene	8.655	96	93083	20.10	ug/kg	92
36) ethyl acetate	8.884	43	62140	21.17	ug/kg	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58640.D
Acq On : 21 Aug 2013 4:35 pm
Operator : krystend
Sample : IC2022-20
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 22 08:38:20 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	41207	20.15	ug/kg	95
38) chloroform	8.864	83	138560	20.34	ug/kg	99
40) Tetrahydrofuran	9.201	42	30016	17.71	ug/kg	91
41) 1,1,1-trichloroethane	9.632	97	113214	19.69	ug/kg	98
43) Cyclohexane	9.921	56	124508	18.72	ug/kg	95
44) carbon tetrachloride	10.002	117	104752	19.83	ug/kg	93
45) 1,1-dichloropropene	9.807	75	108083	20.27	ug/kg	100
46) benzene	10.036	78	319888	18.61	ug/kg	100
47) 1,2-dichloroethane	9.531	62	109189	20.32	ug/kg	99
48) tert-amyl methyl ether	10.150	73	185187	20.26	ug/kg	96
49) heptane	10.507	43	139755	19.30	ug/kg	97
50) trichloroethene	10.656	95	84070	18.69	ug/kg	98
51) 1,2-dichloropropane	10.622	63	86853	20.12	ug/kg	100
52) dibromomethane	10.602	93	48317	20.43	ug/kg	95
53) bromodichloromethane	10.716	83	111824	20.64	ug/kg	99
54) Methylcyclohexane	11.188	83	131585	19.80	ug/kg	96
55) 2-chloroethyl vinyl ether	11.087	63	36183	21.76	ug/kg	96
56) methyl methacrylate	10.804	69	47357	20.98	ug/kg	92
57) 1,4-dioxane	10.811	88	3976	141.89	ug/kg	77
58) cis-1,3-dichloropropene	11.336	75	131842	20.65	ug/kg	98
60) 4-methyl-2-pentanone	11.424	43	87618	17.58	ug/kg	99
61) toluene	12.117	92	193082	20.09	ug/kg	98
62) trans-1,3-dichloropropene	11.754	75	108302	20.60	ug/kg	99
63) 1,1,2-trichloroethane	11.929	83	58552	20.30	ug/kg	98
64) ethyl methacrylate	12.131	69	92704	20.81	ug/kg	98
66) tetrachloroethene	12.858	166	73859	19.37	ug/kg	95
67) 1,3-dichloropropane	12.165	76	113763	21.06	ug/kg	100
68) dibromochloromethane	12.461	129	83028	20.33	ug/kg	99
69) 1,2-dibromoethane	12.710	107	72222	20.37	ug/kg	96
70) 2-hexanone	12.286	43	78978	17.51	ug/kg	99
71) chlorobenzene	13.546	112	229586	20.10	ug/kg	97
72) 1,1,1,2-tetrachloroethane	13.465	131	79979	20.22	ug/kg	98
73) ethylbenzene	13.714	91	367310	20.04	ug/kg	99
74) m,p-xylene	13.903	106	300255	40.59	ug/kg	99
75) o-xylene	14.313	106	148227	20.31	ug/kg	99
76) styrene	14.239	104	232602	20.66	ug/kg	100
77) bromoform	14.071	173	47768	20.63	ug/kg	95
78) trans-1,4-dichloro-2-b...	14.468	53	27563	18.73	ug/kg	88
80) isopropylbenzene	14.677	105	384437	20.31	ug/kg	100
82) bromobenzene	14.974	156	90422	20.15	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.320	83	94545	19.88	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	97380	20.19	ug/kg	100
85) n-propylbenzene	15.122	91	452676	20.25	ug/kg	98
86) 2-chlorotoluene	15.243	91	259054	19.86	ug/kg	99
87) 4-chlorotoluene	15.324	91	264638	20.59	ug/kg	98
88) 1,3,5-trimethylbenzene	15.398	105	321478	20.68	ug/kg	99
89) tert-butylbenzene	15.708	91	177869	20.31	ug/kg	93
90) 1,2,4-trimethylbenzene	15.809	105	312139	20.47	ug/kg	100
91) sec-butylbenzene	15.930	105	439925	20.69	ug/kg	98
92) 1,3-dichlorobenzene	16.031	146	183628	19.93	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58640.D
Acq On : 21 Aug 2013 4:35 pm
Operator : krystend
Sample : IC2022-20
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 22 08:38:20 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:07 2013
Response via : Initial Calibration

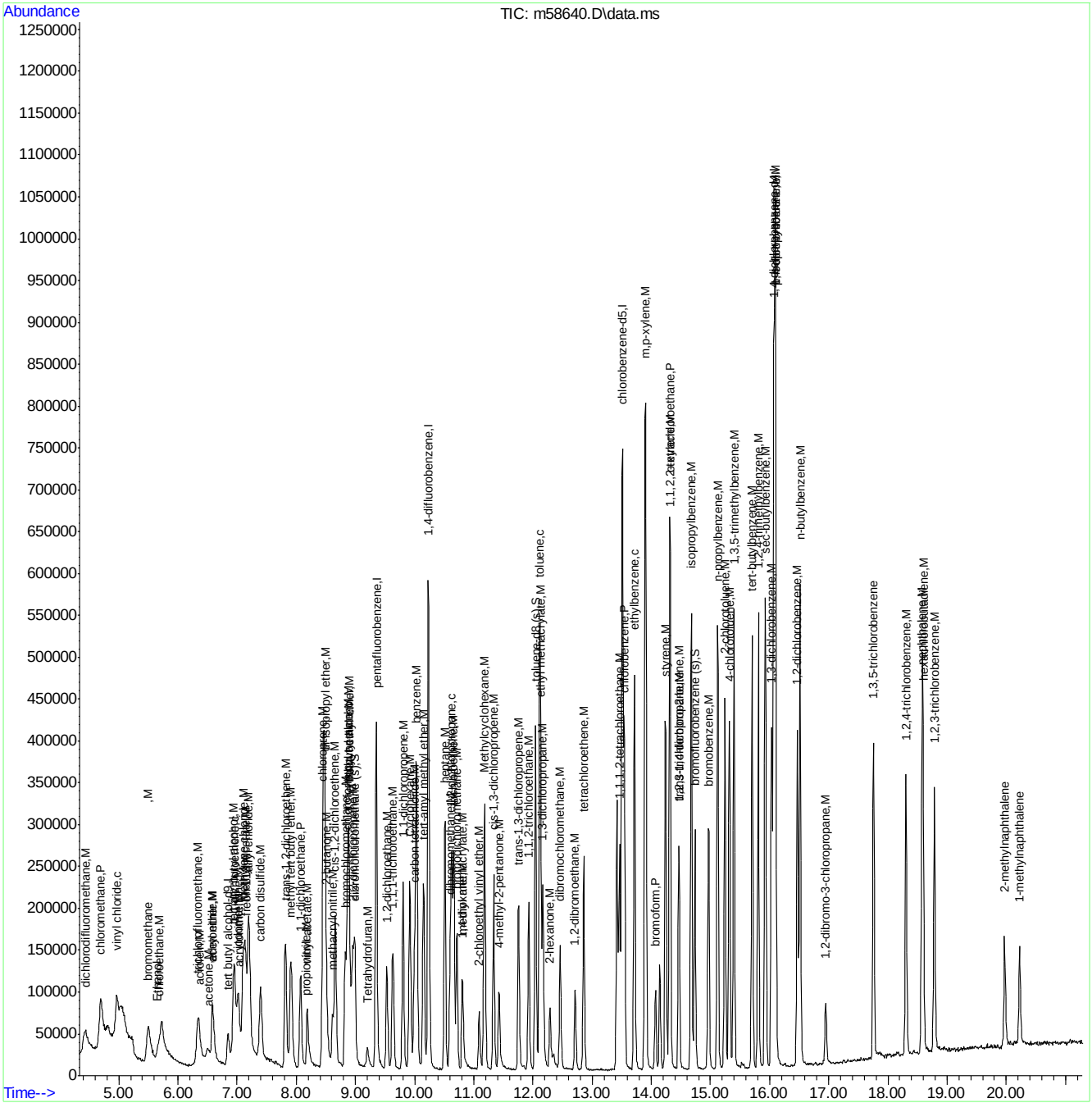
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	334042	20.26	ug/kg	100
94) 1,4-dichlorobenzene	16.099	146	189086	19.87	ug/kg	100
95) 1,2-dichlorobenzene	16.469	146	182787	20.86	ug/kg	96
96) n-butylbenzene	16.516	91	344019	20.32	ug/kg	95
97) 1,2-dibromo-3-chloropr...	16.947	75	18272	17.23	ug/kg	85
98) 1,3,5-trichlorobenzene	17.756	180	123142	20.36	ug/kg	99
99) 1,2,4-trichlorobenzene	18.308	180	113984	20.01	ug/kg	97
100) hexachlorobutadiene	18.598	225	57818	20.03	ug/kg	90
101) naphthalene	18.578	128	297909	20.83	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	108856	20.13	ug/kg	95
103) 2-methylnaphthalene	19.972	142	81260	10.45	ug/kg	99
104) 1-methylnaphthalene	20.228	TIC	287362	5.58	ug/kg	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58640.D
Acq On : 21 Aug 2013 4:35 pm
Operator : krystend
Sample : IC2022-20
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 22 08:38:20 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:07 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58641.D
Acq On : 21 Aug 2013 5:08 pm
Operator : krystend
Sample : ICC2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 08:41:08 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:40:43 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.849	65	133210	500.00	ug/kg	0.00
4) pentafluorobenzene		9.355	168	319026	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	550096	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	245364	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.071	152	248561	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	240789	58.96	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 117.92%			
59) toluene-d8 (s)		12.043	98	854645	58.90	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 117.80%			
81) bromofluorobenzene (s)		14.738	95	297874	61.70	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 123.40%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.937	59	201417	563.43	ug/kg	100
3) Ethanol		5.657	45	200720	5679.18	ug/kg	100
5) dichlorodifluoromethane		4.431	85	256075	56.92	ug/kg	100
6) chloromethane		4.700	50	376065	53.84	ug/kg	100
7) vinyl chloride		4.970	62	420391	51.68	ug/kg	100
8) bromomethane	...	5.509	96	180936	48.63	ug/kg	100
9) chloroethane		5.671	64	136479m	52.05	ug/kg	
10) ethyl ether		6.580	59	167701	54.70	ug/kg	100
11) acetonitrile		6.580	41	49587	52.24	ug/kg	98
12) trichlorofluoromethane		6.344	101	364040	55.62	ug/kg	100
13) freon-113		7.146	101	193776	56.91	ug/kg	99
14) acrolein		6.331	56	71331	305.70	ug/kg	100
15) 1,1-dichloroethene		6.950	96	196104	52.50	ug/kg	100
16) acetone		6.472	58	42985m	61.56	ug/kg	
17) Methyl Acetate		7.132	43	304395	59.12	ug/kg	100
18) methylene chloride		7.105	84	223685m	50.44	ug/kg	
19) methyl tert butyl ether		7.907	73	534305	56.01	ug/kg	100
20) acrylonitrile		7.011	53	91079	57.95	ug/kg	100
21) allyl chloride		7.200	41	381333	51.62	ug/kg	100
22) trans-1,2-dichloroethene		7.813	96	223770	51.87	ug/kg	100
23) iodomethane		7.011	142	380164	53.79	ug/kg	100
24) carbon disulfide		7.395	76	684854	54.58	ug/kg	100
25) propionitrile		8.156	54	29307	55.88	ug/kg	100
26) vinyl acetate		8.170	43	525049	58.61	ug/kg	100
27) chloroprene		8.446	53	348522	53.59	ug/kg	100
28) di-isopropyl ether		8.486	45	843619	54.11	ug/kg	100
29) methacrylonitrile		8.608	41	145363	55.24	ug/kg	100
30) 2-butanone		8.500	72	40327	56.68	ug/kg	100
31) 1,1-dichloroethane		8.075	63	373275	53.63	ug/kg	100
32) tert-butyl ethyl ether		8.891	59	649714	56.24	ug/kg	100
33) isobutyl alcohol		8.891	43	150282	257.76	ug/kg	100
34) 2,2-dichloropropane		8.951	77	254603	54.39	ug/kg	100
35) cis-1,2-dichloroethene		8.655	96	252856	52.07	ug/kg	100
36) ethyl acetate		8.891	43	156155	53.29	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58641.D
Acq On : 21 Aug 2013 5:08 pm
Operator : krystend
Sample : ICC2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 08:41:08 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:40:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	114742	52.82	ug/kg	100
38) chloroform	8.864	83	387756	53.68	ug/kg	100
40) Tetrahydrofuran	9.200	42	78771	51.62	ug/kg	100
41) 1,1,1-trichloroethane	9.632	97	315119	53.62	ug/kg	100
43) Cyclohexane	9.921	56	370769	54.65	ug/kg	100
44) carbon tetrachloride	10.002	117	292775	52.10	ug/kg	100
45) 1,1-dichloropropene	9.807	75	295050	52.29	ug/kg	100
46) benzene	10.036	78	895986	50.71	ug/kg	100
47) 1,2-dichloroethane	9.530	62	309778	55.56	ug/kg	100
48) tert-amyl methyl ether	10.150	73	525932	55.17	ug/kg	100
49) heptane	10.507	43	406732	54.31	ug/kg	100
50) trichloroethene	10.662	95	238846	51.05	ug/kg	100
51) 1,2-dichloropropane	10.622	63	244715	53.40	ug/kg	100
52) dibromomethane	10.602	93	136885	54.44	ug/kg	100
53) bromodichloromethane	10.716	83	318148	54.81	ug/kg	100
54) Methylcyclohexane	11.181	83	395374	55.33	ug/kg	100
55) 2-chloroethyl vinyl ether	11.087	63	100031	54.63	ug/kg	100
56) methyl methacrylate	10.804	69	146402	58.12	ug/kg	100
57) 1,4-dioxane	10.804	88	10591	274.03	ug/kg	100
58) cis-1,3-dichloropropene	11.336	75	374798	53.97	ug/kg	100
60) 4-methyl-2-pentanone	11.423	43	275445	55.22	ug/kg	100
61) toluene	12.117	92	567923	52.25	ug/kg	100
62) trans-1,3-dichloropropene	11.753	75	312006	54.33	ug/kg	100
63) 1,1,2-trichloroethane	11.929	83	169261	54.95	ug/kg	100
64) ethyl methacrylate	12.124	69	290156	54.58	ug/kg	100
66) tetrachloroethene	12.858	166	208025	53.10	ug/kg	100
67) 1,3-dichloropropane	12.164	76	322030	56.46	ug/kg	100
68) dibromochloromethane	12.461	129	246873	57.13	ug/kg	100
69) 1,2-dibromoethane	12.710	107	211468	57.64	ug/kg	100
70) 2-hexanone	12.279	43	255086	56.58	ug/kg	99
71) chlorobenzene	13.545	112	665471	55.12	ug/kg	100
72) 1,1,1,2-tetrachloroethane	13.465	131	230214	54.90	ug/kg	100
73) ethylbenzene	13.714	91	1088464	55.73	ug/kg	100
74) m,p-xylene	13.902	106	903875	110.19	ug/kg	100
75) o-xylene	14.313	106	450270	55.10	ug/kg	100
76) styrene	14.239	104	678744	54.95	ug/kg	100
77) bromoform	14.071	173	143214	56.65	ug/kg	100
78) trans-1,4-dichloro-2-b...	14.461	53	88892	58.91	ug/kg	100
80) isopropylbenzene	14.677	105	1194327	56.76	ug/kg	100
82) bromobenzene	14.967	156	275366	55.47	ug/kg	100
83) 1,1,2,2-tetrachloroethane	14.320	83	304945	58.76	ug/kg	100
84) 1,2,3-trichloropropane	14.468	75	312424	59.79	ug/kg	100
85) n-propylbenzene	15.122	91	1397998	57.37	ug/kg	100
86) 2-chlorotoluene	15.243	91	811548	56.69	ug/kg	100
87) 4-chlorotoluene	15.317	91	793527	55.57	ug/kg	100
88) 1,3,5-trimethylbenzene	15.398	105	1030930	57.90	ug/kg	100
89) tert-butylbenzene	15.708	91	564250	57.01	ug/kg	100
90) 1,2,4-trimethylbenzene	15.809	105	1006073	57.50	ug/kg	100
91) sec-butylbenzene	15.930	105	1407644	58.46	ug/kg	100
92) 1,3-dichlorobenzene	16.038	146	572854	54.93	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58641.D
Acq On : 21 Aug 2013 5:08 pm
Operator : krystend
Sample : ICC2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 08:41:08 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:40:43 2013
Response via : Initial Calibration

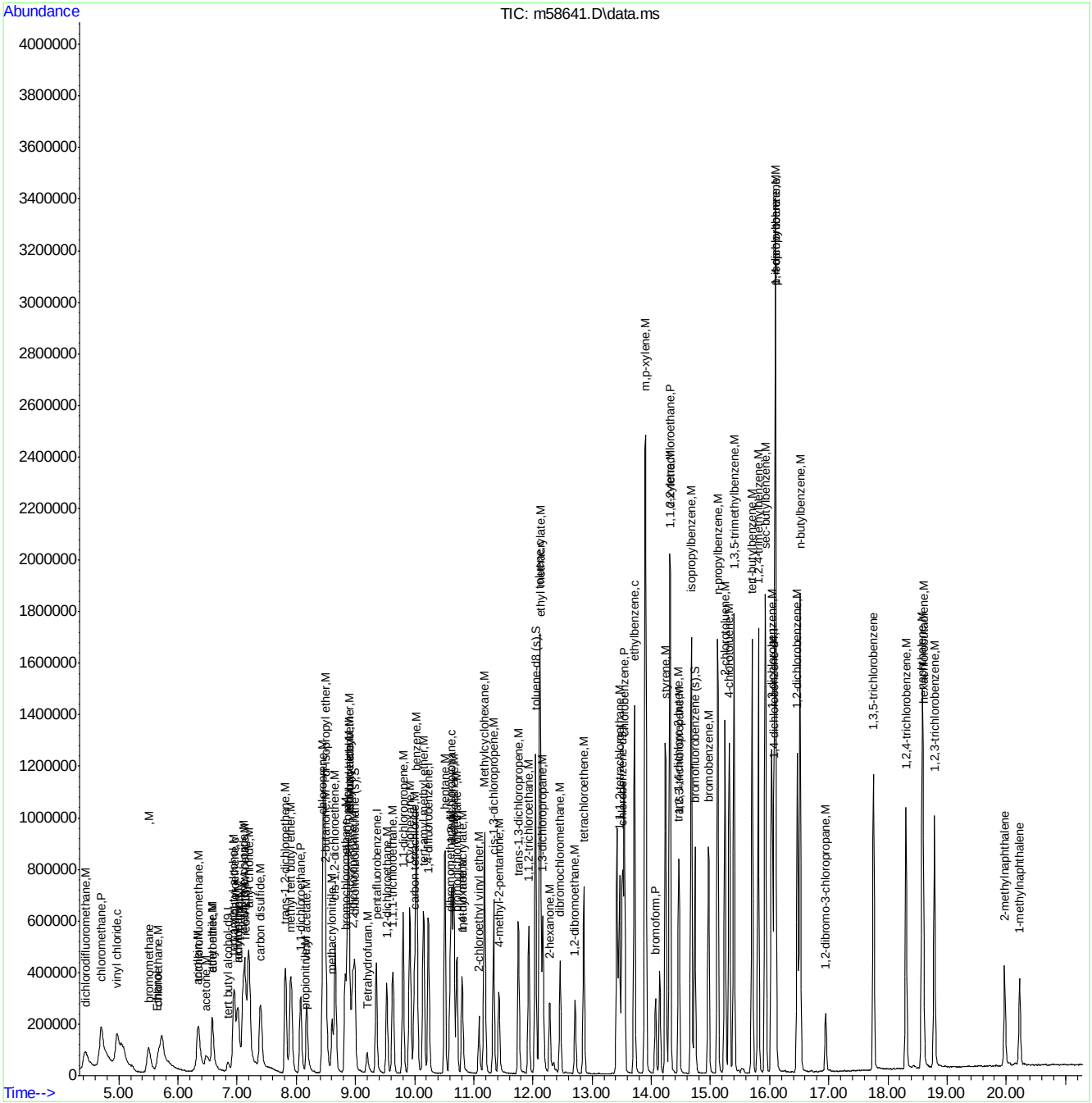
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.098	119	1144024	59.37	ug/kg	100
94)	1,4-dichlorobenzene	16.098	146	626542	56.81	ug/kg	100
95)	1,2-dichlorobenzene	16.469	146	556888	54.92	ug/kg	100
96)	n-butylbenzene	16.516	91	1119005	59.51	ug/kg	100
97)	1,2-dibromo-3-chloropr...	16.947	75	53838	60.34	ug/kg	100
98)	1,3,5-trichlorobenzene	17.756	180	375220	56.54	ug/kg	100
99)	1,2,4-trichlorobenzene	18.308	180	351656	56.91	ug/kg	100
100)	hexachlorobutadiene	18.598	225	180523	55.74	ug/kg	100
101)	naphthalene	18.577	128	936217	56.43	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	334655	56.27	ug/kg	100
103)	2-methylnaphthalene	19.972	142	246957	28.86	ug/kg	99
104)	1-methylnaphthalene	20.228	TIC	771562	28.32	ug/kg	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58641.D
Acq On : 21 Aug 2013 5:08 pm
Operator : krystend
Sample : ICC2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 08:41:08 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:40:43 2013
Response via : Initial Calibration



M58642.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski 08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58642.D
Acq On : 21 Aug 2013 5:37 pm
Operator : krystend
Sample : IC2022-100
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 22 08:38:55 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	148956	500.00	ug/kg	-0.01
4) pentafluorobenzene	9.349	168	333659	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	570156	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	273174	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	302693	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	473829	113.16	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 226.32%#			
59) toluene-d8 (s)	12.043	98	1711926	119.55	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 239.10%#			
81) bromofluorobenzene (s)	14.738	95	653746	110.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 220.00%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	384702	936.44	ug/kg	95
3) Ethanol	5.651	45	386426	12457.60	ug/kg	97
5) dichlorodifluoromethane	4.424	85	429080	85.78	ug/kg	98
6) chloromethane	4.694	50	689665	87.98	ug/kg	98
7) vinyl chloride	4.970	62	809177	89.41	ug/kg	99
8) bromomethane ...	5.496	96	354179	85.22	ug/kg	96
9) chloroethane	5.671	64	274083	96.02	ug/kg	96
10) ethyl ether	6.573	59	319480	99.18	ug/kg	94
11) acetonitrile	6.567	41	86560	83.93	ug/kg	96
12) trichlorofluoromethane	6.331	101	689569m	98.63	ug/kg	
13) freon-113	7.139	101	376123	104.60	ug/kg	96
14) acrolein	6.324	56	114847	507.53	ug/kg	96
15) 1,1-dichloroethene	6.944	96	395529	100.08	ug/kg	92
16) acetone	6.459	58	73101m	88.40	ug/kg	
17) Methyl Acetate	7.119	43	573229	110.87	ug/kg	97
18) methylene chloride	7.099	84	433609m	87.87	ug/kg	
19) methyl tert butyl ether	7.900	73	1009291	100.14	ug/kg	98
20) acrylonitrile	6.991	53	164336	100.53	ug/kg	96
21) allyl chloride	7.193	41	763597	97.00	ug/kg	98
22) trans-1,2-dichloroethene	7.813	96	438725	95.85	ug/kg	98
23) iodomethane	7.005	142	755740	104.23	ug/kg	99
24) carbon disulfide	7.388	76	1347724	102.34	ug/kg	100
25) propionitrile	8.082	54	61425	121.45	ug/kg	100
26) vinyl acetate	8.170	43	989562	117.53	ug/kg	98
27) chloroprene	8.439	53	708362	106.42	ug/kg	99
28) di-isopropyl ether	8.480	45	1679963	104.88	ug/kg	96
29) methacrylonitrile	8.601	41	265812	95.87	ug/kg	97
30) 2-butanone	8.487	72	73918	109.48	ug/kg#	12
31) 1,1-dichloroethane	8.069	63	730740	99.63	ug/kg	96
32) tert-butyl ethyl ether	8.884	59	1258182	106.23	ug/kg	99
33) isobutyl alcohol	8.884	43	286822	447.33	ug/kg	98
34) 2,2-dichloropropane	8.951	77	504941	100.95	ug/kg	98
35) cis-1,2-dichloroethene	8.655	96	500811	99.79	ug/kg	99
36) ethyl acetate	8.884	43	291633	90.71	ug/kg	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58642.D
Acq On : 21 Aug 2013 5:37 pm
Operator : krystend
Sample : IC2022-100
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 22 08:38:55 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	223903	100.98	ug/kg	96
38) chloroform	8.864	83	768665	103.89	ug/kg	98
40) Tetrahydrofuran	9.194	42	152940	85.33	ug/kg	99
41) 1,1,1-trichloroethane	9.632	97	635877	102.47	ug/kg	99
43) Cyclohexane	9.921	56	738374	103.84	ug/kg	98
44) carbon tetrachloride	10.002	117	607117	106.31	ug/kg	96
45) 1,1-dichloropropene	9.807	75	601444	103.90	ug/kg	100
46) benzene	10.029	78	1812479	98.50	ug/kg	98
47) 1,2-dichloroethane	9.524	62	584200	100.09	ug/kg	99
48) tert-amyl methyl ether	10.150	73	1004021	101.16	ug/kg	99
49) heptane	10.507	43	786719	101.02	ug/kg	99
50) trichloroethene	10.656	95	475796	98.78	ug/kg	99
51) 1,2-dichloropropane	10.622	63	478790	102.31	ug/kg	100
52) dibromomethane	10.602	93	261361	101.64	ug/kg	96
53) bromodichloromethane	10.716	83	620313	105.08	ug/kg	99
54) Methylcyclohexane	11.181	83	805884	112.21	ug/kg	97
55) 2-chloroethyl vinyl ether	11.087	63	193456	105.57	ug/kg	100
56) methyl methacrylate	10.804	69	278245	112.74	ug/kg	94
57) 1,4-dioxane	10.804	88	19995	596.50	ug/kg	85
58) cis-1,3-dichloropropene	11.336	75	738919	106.18	ug/kg	98
60) 4-methyl-2-pentanone	11.424	43	511057	97.05	ug/kg	99
61) toluene	12.117	92	1201839	115.36	ug/kg	99
62) trans-1,3-dichloropropene	11.754	75	613895	107.20	ug/kg	97
63) 1,1,2-trichloroethane	11.929	83	321934	102.76	ug/kg	97
64) ethyl methacrylate	12.124	69	588957	121.11	ug/kg	97
66) tetrachloroethene	12.858	166	421135	92.01	ug/kg	98
67) 1,3-dichloropropane	12.165	76	657887	99.83	ug/kg	99
68) dibromochloromethane	12.461	129	486011	98.27	ug/kg	98
69) 1,2-dibromoethane	12.710	107	405016	94.30	ug/kg	99
70) 2-hexanone	12.279	43	456638	86.04	ug/kg	99
71) chlorobenzene	13.546	112	1370753	99.34	ug/kg	98
72) 1,1,1,2-tetrachloroethane	13.465	131	471526	98.55	ug/kg	98
73) ethylbenzene	13.714	91	2312568	104.51	ug/kg	99
74) m,p-xylene	13.903	106	1999075	223.24	ug/kg	99
75) o-xylene	14.313	106	1024654	115.98	ug/kg	100
76) styrene	14.239	104	1476015	107.93	ug/kg	99
77) bromoform	14.071	173	295361	105.04	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.462	53	175088	99.87	ug/kg	97
80) isopropylbenzene	14.677	105	2640276	102.94	ug/kg	99
82) bromobenzene	14.967	156	579624	95.47	ug/kg	97
83) 1,1,2,2-tetrachloroethane	14.320	83	649693	101.22	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	638281	97.77	ug/kg	100
85) n-propylbenzene	15.122	91	3064437	101.20	ug/kg	98
86) 2-chlorotoluene	15.243	91	1762943	100.17	ug/kg	99
87) 4-chlorotoluene	15.317	91	1799630	103.05	ug/kg	98
88) 1,3,5-trimethylbenzene	15.398	105	2333549	110.34	ug/kg	99
89) tert-butylbenzene	15.708	91	1262824	106.42	ug/kg	95
90) 1,2,4-trimethylbenzene	15.809	105	2283660	110.35	ug/kg	99
91) sec-butylbenzene	15.930	105	3203665	110.77	ug/kg	98
92) 1,3-dichlorobenzene	16.031	146	1290835	103.78	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58642.D
Acq On : 21 Aug 2013 5:37 pm
Operator : krystend
Sample : IC2022-100
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 22 08:38:55 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:30 2013
Response via : Initial Calibration

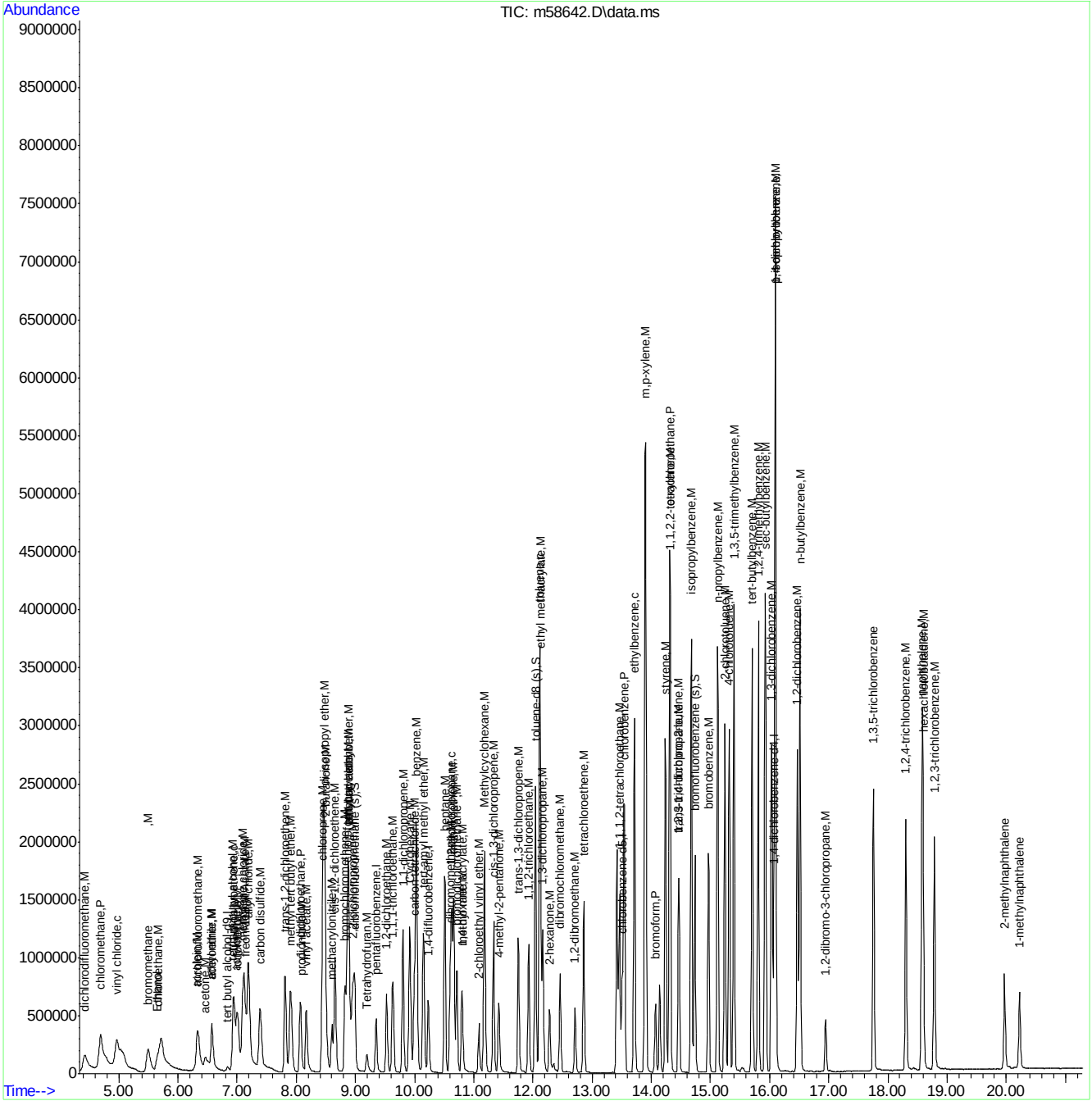
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	2615991	117.13	ug/kg	98
94) 1,4-dichlorobenzene	16.099	146	1434901	111.75	ug/kg	98
95) 1,2-dichlorobenzene	16.469	146	1227434	102.80	ug/kg	99
96) n-butylbenzene	16.516	91	2452641	106.90	ug/kg	100
97) 1,2-dibromo-3-chloropr...	16.947	75	110644	79.43	ug/kg	98
98) 1,3,5-trichlorobenzene	17.756	180	784504	95.66	ug/kg	99
99) 1,2,4-trichlorobenzene	18.301	180	719917	93.53	ug/kg	98
100) hexachlorobutadiene	18.598	225	386752	99.16	ug/kg	99
101) naphthalene	18.578	128	2003073	102.82	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	700932	95.81	ug/kg	97
103) 2-methylnaphthalene	19.972	142	493723	46.59	ug/kg	98
104) 1-methylnaphthalene	20.228	TIC	1559431	24.58	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58642.D
Acq On : 21 Aug 2013 5:37 pm
Operator : krystend
Sample : IC2022-100
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 22 08:38:55 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:30 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58643.D
Acq On : 21 Aug 2013 6:07 pm
Operator : krystend
Sample : IC2022-200
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 22 08:39:10 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:08 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	165225	500.00	ug/kg	-0.01
4) pentafluorobenzene	9.355	168	385716	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.238	114	660728	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	351270	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	384535	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	1080939	222.24	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	444.48%#		
59) toluene-d8 (s)	12.043	98	4114122	244.39	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	488.78%#		
81) bromofluorobenzene (s)	14.738	95	1570097	207.96	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	415.92%#		
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	829390	1839.60	ug/kg	100
3) Ethanol	5.657	45	873534	24389.12	ug/kg	98
5) dichlorodifluoromethane	4.438	85	1030089	182.47	ug/kg	98
6) chloromethane	4.701	50	1532459	172.56	ug/kg	97
7) vinyl chloride	4.970	62	1785918	173.78	ug/kg	97
8) bromomethane ...	5.502	96	800603	170.84	ug/kg	98
9) chloroethane	5.677	64	590780m	180.23	ug/kg	
10) ethyl ether	6.580	59	736950	198.17	ug/kg	93
11) acetonitrile	6.573	41	234146	201.80	ug/kg	89
12) trichlorofluoromethane	6.338	101	1546925	191.83	ug/kg	98
13) freon-113	7.153	101	816444	194.92	ug/kg	97
14) acrolein	6.331	56	275357	1049.46	ug/kg	95
15) 1,1-dichloroethene	6.951	96	888274	194.39	ug/kg	95
16) acetone	6.459	58	151274m	157.38	ug/kg	
17) Methyl Acetate	7.126	43	1333192	219.09	ug/kg	99
18) methylene chloride	7.106	84	975618m	204.92	ug/kg	
19) methyl tert butyl ether	7.907	73	2255945	193.57	ug/kg	97
20) acrylonitrile	6.998	53	380649	201.22	ug/kg	88
21) allyl chloride	7.200	41	1763635	194.78	ug/kg	100
22) trans-1,2-dichloroethene	7.813	96	1033019	196.58	ug/kg	98
23) iodomethane	7.011	142	1757388	208.19	ug/kg	98
24) carbon disulfide	7.395	76	3089880	202.18	ug/kg	100
25) propionitrile	8.082	54	139195	228.29	ug/kg	100
26) vinyl acetate	8.170	43	2347365	234.33	ug/kg	97
27) chloroprene	8.446	53	1661243	213.61	ug/kg	97
28) di-isopropyl ether	8.486	45	3950618	211.63	ug/kg	95
29) methacrylonitrile	8.601	41	637903	200.40	ug/kg	97
30) 2-butanone	8.486	72	173819	218.56	ug/kg#	20
31) 1,1-dichloroethane	8.069	63	1682545	198.56	ug/kg	98
32) tert-butyl ethyl ether	8.891	59	2910450	210.38	ug/kg	99
33) isobutyl alcohol	8.891	43	644060	884.44	ug/kg	98
34) 2,2-dichloropropane	8.958	77	1098082	189.60	ug/kg	99
35) cis-1,2-dichloroethene	8.655	96	1223648	210.99	ug/kg	97
36) ethyl acetate	8.891	43	643927	175.98	ug/kg	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58643.D
Acq On : 21 Aug 2013 6:07 pm
Operator : krystend
Sample : IC2022-200
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 22 08:39:10 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:08 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	546534	212.88	ug/kg	90
38) chloroform	8.864	83	1827091	212.24	ug/kg	96
40) Tetrahydrofuran	9.194	42	333074	164.78	ug/kg	100
41) 1,1,1-trichloroethane	9.632	97	1411137	195.90	ug/kg	99
43) Cyclohexane	9.921	56	1632934	196.91	ug/kg	98
44) carbon tetrachloride	10.002	117	1412565	211.22	ug/kg	98
45) 1,1-dichloropropene	9.807	75	1405972	208.23	ug/kg	97
46) benzene	10.036	78	4326012	203.30	ug/kg	100
47) 1,2-dichloroethane	9.531	62	1339766	198.05	ug/kg	98
48) tert-amyl methyl ether	10.150	73	2296625	199.29	ug/kg	97
49) heptane	10.514	43	1810861	200.32	ug/kg	98
50) trichloroethene	10.656	95	1156337	207.51	ug/kg	98
51) 1,2-dichloropropane	10.629	63	1148728	211.01	ug/kg	99
52) dibromomethane	10.602	93	619334	207.26	ug/kg	98
53) bromodichloromethane	10.716	83	1457469	211.26	ug/kg	100
54) Methylcyclohexane	11.181	83	1830838	215.59	ug/kg	97
55) 2-chloroethyl vinyl ether	11.087	63	472298	220.35	ug/kg	99
56) methyl methacrylate	10.804	69	667959	228.68	ug/kg	92
57) 1,4-dioxane	10.811	88	46531	1153.33	ug/kg	82
58) cis-1,3-dichloropropene	11.336	75	1794529	220.26	ug/kg	98
60) 4-methyl-2-pentanone	11.424	43	1164744	191.80	ug/kg	98
61) toluene	12.117	92	3055617	246.77	ug/kg	100
62) trans-1,3-dichloropropene	11.754	75	1500348	223.40	ug/kg	96
63) 1,1,2-trichloroethane	11.929	83	771993	211.66	ug/kg	95
64) ethyl methacrylate	12.124	69	1451585	248.82	ug/kg	96
66) tetrachloroethene	12.858	166	1028886	176.83	ug/kg	97
67) 1,3-dichloropropane	12.165	76	1606849	189.68	ug/kg	100
68) dibromochloromethane	12.461	129	1205308	190.07	ug/kg	98
69) 1,2-dibromoethane	12.717	107	1000321	182.87	ug/kg	98
70) 2-hexanone	12.279	43	1037566	155.66	ug/kg	99
71) chlorobenzene	13.545	112	3442279	194.22	ug/kg	97
72) 1,1,1,2-tetrachloroethane	13.465	131	1187570	193.49	ug/kg	98
73) ethylbenzene	13.714	91	5702729	198.93	ug/kg	98
74) m,p-xylene	13.903	106	5127793	436.86	ug/kg	96
75) o-xylene	14.313	106	2605488	223.40	ug/kg	95
76) styrene	14.239	104	3789925	212.70	ug/kg	98
77) bromoform	14.071	173	735421	201.69	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.462	53	414221	183.78	ug/kg	92
80) isopropylbenzene	14.677	105	6569800	200.65	ug/kg	97
82) bromobenzene	14.967	156	1516268	198.08	ug/kg	97
83) 1,1,2,2-tetrachloroethane	14.320	83	1541143	188.62	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	1529288	185.09	ug/kg	99
85) n-propylbenzene	15.122	91	7451182	193.31	ug/kg	96
86) 2-chlorotoluene	15.243	91	4364445	195.16	ug/kg	97
87) 4-chlorotoluene	15.317	91	4401027	197.37	ug/kg	97
88) 1,3,5-trimethylbenzene	15.398	105	5744824	210.21	ug/kg	96
89) tert-butylbenzene	15.708	91	3123079	204.97	ug/kg	90
90) 1,2,4-trimethylbenzene	15.809	105	5697208	213.02	ug/kg	98
91) sec-butylbenzene	15.930	105	7850031	209.89	ug/kg	96
92) 1,3-dichlorobenzene	16.038	146	3350938	210.74	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58643.D
Acq On : 21 Aug 2013 6:07 pm
Operator : krystend
Sample : IC2022-200
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 22 08:39:10 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:08 2013
Response via : Initial Calibration

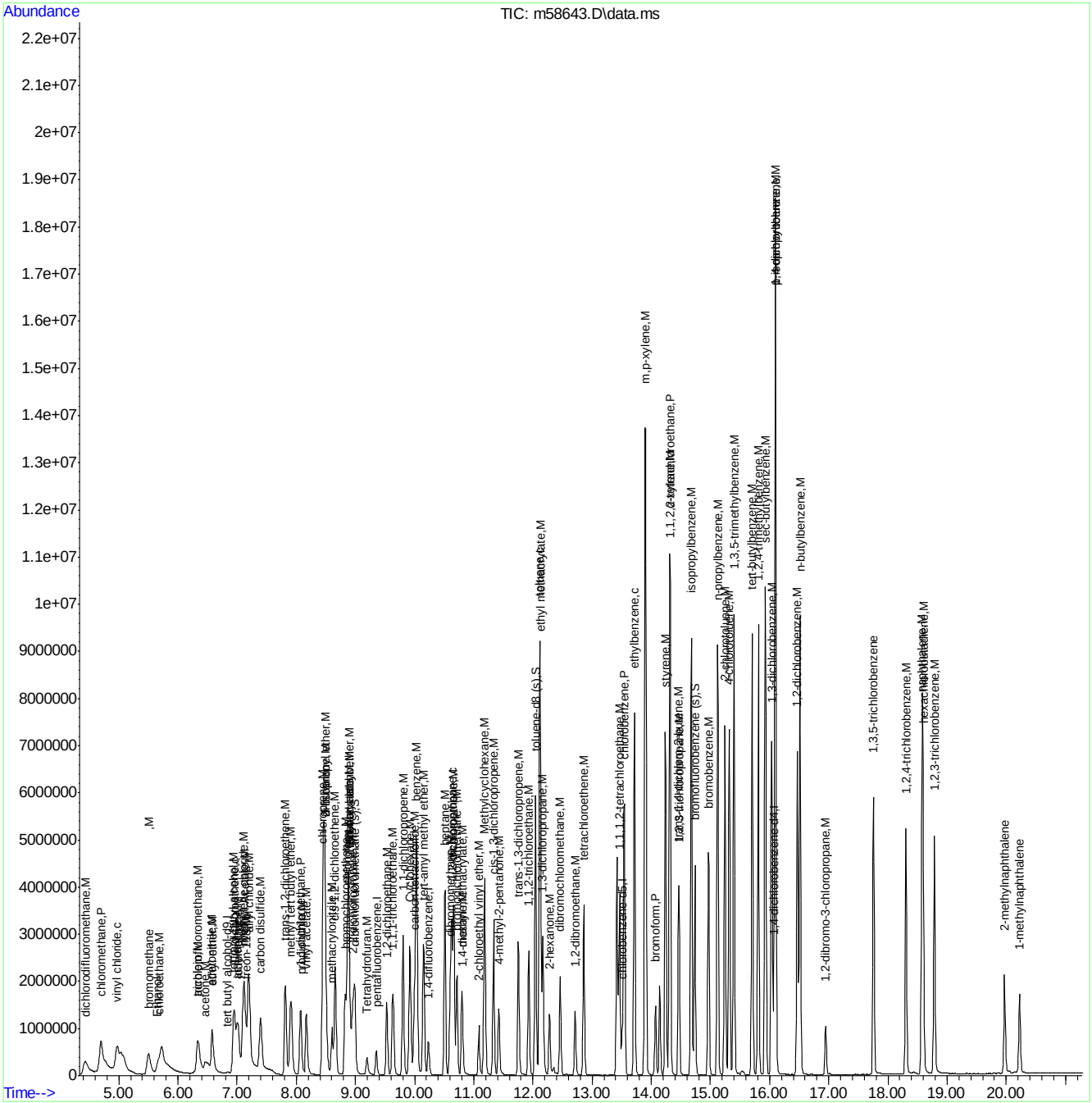
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	6486059	222.25	ug/kg	97
94)	1,4-dichlorobenzene	16.099	146	3630141	218.27	ug/kg	98
95)	1,2-dichlorobenzene	16.469	146	3077761	201.96	ug/kg	99
96)	n-butylbenzene	16.516	91	5701721	193.40	ug/kg	96
97)	1,2-dibromo-3-chloropr...	16.947	75	250493	146.58	ug/kg	98
98)	1,3,5-trichlorobenzene	17.756	180	1877473	181.53	ug/kg	100
99)	1,2,4-trichlorobenzene	18.308	180	1733939	179.26	ug/kg	100
100)	hexachlorobutadiene	18.598	225	963373	194.70	ug/kg	99
101)	naphthalene	18.578	128	5301886	213.23	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	1719504	186.32	ug/kg	96
103)	2-methylnaphthalene	19.972	142	1245815	93.60	ug/kg	99
104)	1-methylnaphthalene	20.228	TIC	3807135	51.60	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58643.D
Acq On : 21 Aug 2013 6:07 pm
Operator : krystend
Sample : IC2022-200
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 22 08:39:10 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:08 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58644.D
Acq On : 21 Aug 2013 6:36 pm
Operator : krystend
Sample : IC2022-400
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 22 08:30:13 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:45 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	194853	500.00	ug/kg	0.00
4) pentafluorobenzene		9.356	168	450140	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.238	114	790850	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	502580	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.078	152	462629	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	2775230	488.21	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	976.42%#		
59) toluene-d8 (s)		12.043	98	10389464	507.58	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	1015.16%#		
81) bromofluorobenzene (s)		14.738	95	3870385	429.46	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	858.92%#		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	2015975	3835.51	ug/kg	97
3) Ethanol		5.657	45	2095204	48095.55	ug/kg	97
5) dichlorodifluoromethane		4.431	85	2097448	322.40	ug/kg	99
6) chloromethane		4.701	50	3085778	303.69	ug/kg	96
7) vinyl chloride		4.977	62	3776871	320.92	ug/kg	96
8) bromomethane	...	5.502	96	1806369m	337.32	ug/kg	
9) chloroethane		5.684	64	1279011m	339.13	ug/kg	
10) ethyl ether		6.580	59	1707389	393.94	ug/kg	93
11) acetonitrile		6.580	41	594613	438.56	ug/kg	92
12) trichlorofluoromethane		6.344	101	3356159	358.71	ug/kg	98
13) freon-113		7.153	101	1737455	356.73	ug/kg	94
14) acrolein		6.324	56	688875	2231.33	ug/kg	99
15) 1,1-dichloroethene		6.951	96	1994836	375.58	ug/kg	92
16) acetone		6.459	58	349261	314.99	ug/kg	89
17) Methyl Acetate		7.119	43	3091878	429.52	ug/kg	98
18) methylene chloride		7.106	84	2093191m	375.42	ug/kg	
19) methyl tert butyl ether		7.914	73	5165901	381.58	ug/kg	96
20) acrylonitrile		6.991	53	905375	409.69	ug/kg	92
21) allyl chloride		7.200	41	3874909	368.07	ug/kg	99
22) trans-1,2-dichloroethene		7.813	96	2350174	384.16	ug/kg	96
23) iodomethane		7.018	142	4164244	420.26	ug/kg	100
24) carbon disulfide		7.395	76	6641329	371.79	ug/kg	99
25) propionitrile		8.076	54	323884	444.68	ug/kg	100
26) vinyl acetate		8.170	43	5460080	455.87	ug/kg	98
27) chloroprene		8.446	53	3703626	404.15	ug/kg	94
28) di-isopropyl ether		8.487	45	8890328	404.72	ug/kg	94
29) methacrylonitrile		8.601	41	1477167	397.53	ug/kg	95
30) 2-butanone		8.487	72	376202	399.16	ug/kg#	34
31) 1,1-dichloroethane		8.076	63	3766167	381.23	ug/kg	97
32) tert-butyl ethyl ether		8.891	59	6625255	407.35	ug/kg	98
33) isobutyl alcohol		8.897	43	1460827	1747.79	ug/kg	91
34) 2,2-dichloropropane		8.958	77	2349805	350.26	ug/kg	99
35) cis-1,2-dichloroethene		8.655	96	2827810	414.55	ug/kg	94
36) ethyl acetate		8.897	43	1478167	352.20	ug/kg	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58644.D
Acq On : 21 Aug 2013 6:36 pm
Operator : krystend
Sample : IC2022-400
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 22 08:30:13 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	1340994	443.49	ug/kg#	85
38) chloroform	8.871	83	4239773	418.35	ug/kg	92
40) Tetrahydrofuran	9.194	42	757784	329.54	ug/kg	95
41) 1,1,1-trichloroethane	9.632	97	3064286	365.58	ug/kg	96
43) Cyclohexane	9.921	56	3482030	351.58	ug/kg	99
44) carbon tetrachloride	10.002	117	3262121	404.29	ug/kg	98
45) 1,1-dichloropropene	9.807	75	3197941	393.39	ug/kg	97
46) benzene	10.036	78	9782991	383.32	ug/kg	100
47) 1,2-dichloroethane	9.531	62	3011398	372.43	ug/kg	97
48) tert-amyl methyl ether	10.150	73	5253965	381.10	ug/kg	97
49) heptane	10.514	43	4149356	383.39	ug/kg	97
50) trichloroethene	10.662	95	2770519	413.44	ug/kg	91
51) 1,2-dichloropropane	10.629	63	2695818	410.49	ug/kg	98
52) dibromomethane	10.602	93	1501013	417.50	ug/kg	94
53) bromodichloromethane	10.716	83	3398567	408.29	ug/kg	99
54) Methylcyclohexane	11.181	83	4095699	398.50	ug/kg	97
55) 2-chloroethyl vinyl ether	11.087	63	1135994	436.46	ug/kg	98
56) methyl methacrylate	10.797	69	1598771	448.12	ug/kg	93
57) 1,4-dioxane	10.804	88	109008	2201.10	ug/kg	95
58) cis-1,3-dichloropropene	11.336	75	4248303	429.42	ug/kg	96
60) 4-methyl-2-pentanone	11.424	43	2714782	375.70	ug/kg	97
61) toluene	12.117	92	7116960	464.68	ug/kg	97
62) trans-1,3-dichloropropene	11.754	75	3536232	432.67	ug/kg	92
63) 1,1,2-trichloroethane	11.929	83	1846733	419.53	ug/kg	96
64) ethyl methacrylate	12.124	69	3477700	481.25	ug/kg	96
66) tetrachloroethene	12.858	166	2632380	320.85	ug/kg	98
67) 1,3-dichloropropane	12.165	76	3695756	307.18	ug/kg	100
68) dibromochloromethane	12.461	129	3102479	344.40	ug/kg	98
69) 1,2-dibromoethane	12.717	107	2402465	310.77	ug/kg	99
70) 2-hexanone	12.279	43	2223796	240.81	ug/kg	99
71) chlorobenzene	13.546	112	8423704	333.56	ug/kg	95
72) 1,1,1,2-tetrachloroethane	13.465	131	3010765	344.46	ug/kg	99
73) ethylbenzene	13.714	91	13272448	323.85	ug/kg	95
74) m,p-xylene	13.903	106	12252746	720.12	ug/kg#	60
75) o-xylene	14.313	106	6055193	356.91	ug/kg	93
76) styrene	14.239	104	8932377	347.23	ug/kg	100
77) bromoform	14.071	173	1945658	372.50	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.462	53	965761	302.99	ug/kg	96
80) isopropylbenzene	14.677	105	14971593	379.89	ug/kg	89
82) bromobenzene	14.974	156	3816127	414.94	ug/kg	85
83) 1,1,2,2-tetrachloroethane	14.320	83	3606993	369.94	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	3584832	364.51	ug/kg	99
85) n-propylbenzene	15.122	91	15905929	344.64	ug/kg	80
86) 2-chlorotoluene	15.243	91	10186323	379.91	ug/kg	94
87) 4-chlorotoluene	15.317	91	10067942	376.00	ug/kg	93
88) 1,3,5-trimethylbenzene	15.398	105	13317400	402.11	ug/kg	93
89) tert-butylbenzene	15.708	91	7436905	404.27	ug/kg	93
90) 1,2,4-trimethylbenzene	15.809	105	13284619	409.07	ug/kg	94
91) sec-butylbenzene	15.924	105	16533790	364.88	ug/kg	90
92) 1,3-dichlorobenzene	16.038	146	8142837	422.41	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58644.D
Acq On : 21 Aug 2013 6:36 pm
Operator : krystend
Sample : IC2022-400
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 22 08:30:13 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:45 2013
Response via : Initial Calibration

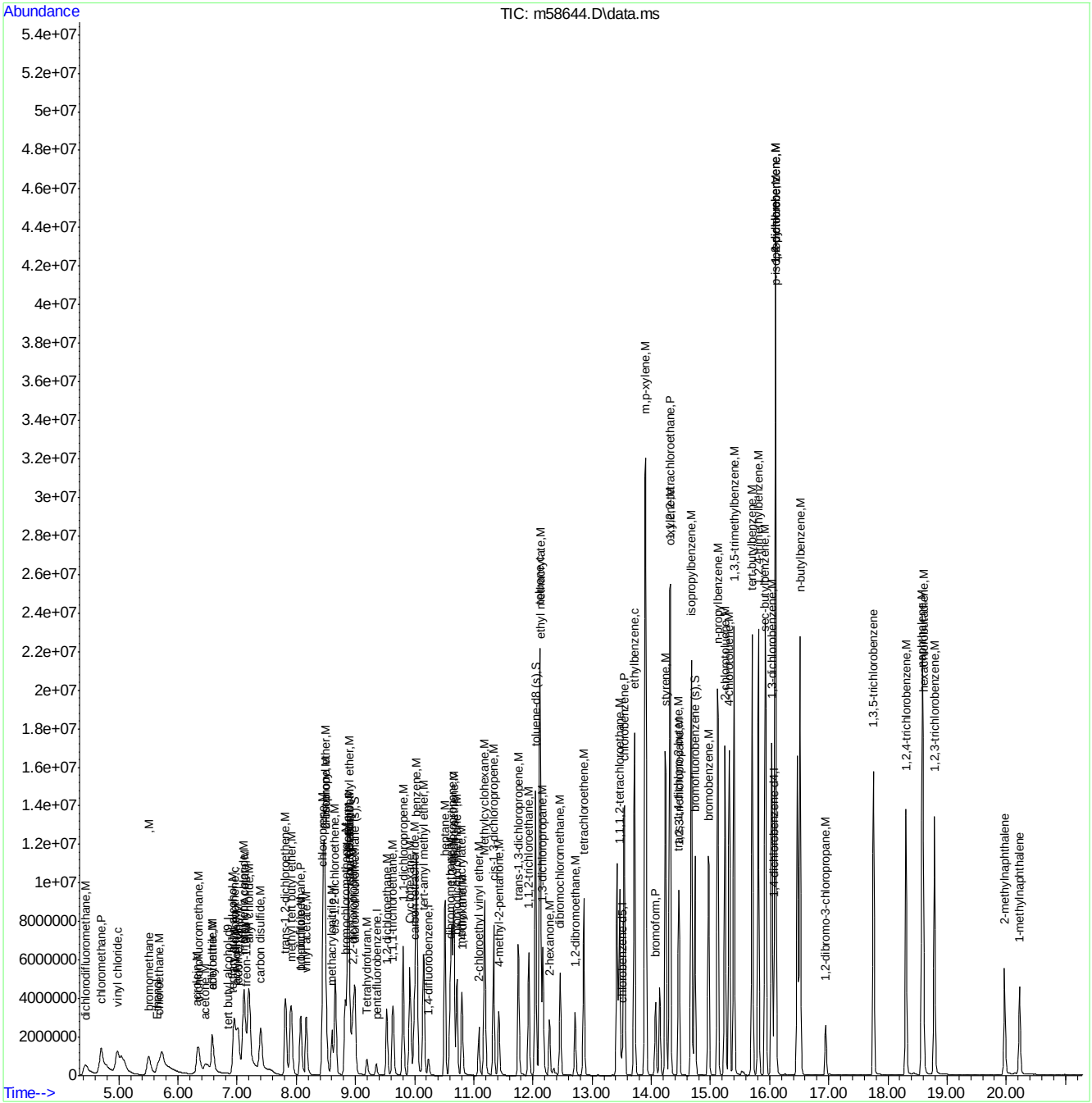
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	14904655	417.87	ug/kg	86
94) 1,4-dichlorobenzene	16.105	146	8925666	440.34	ug/kg	97
95) 1,2-dichlorobenzene	16.105	146	8987257	489.50	ug/kg	96
96) n-butylbenzene	16.516	91	13140041	372.22	ug/kg	91
97) 1,2-dibromo-3-chloropr...	16.947	75	616936	311.97	ug/kg	94
98) 1,3,5-trichlorobenzene	17.756	180	5144047	418.93	ug/kg	99
99) 1,2,4-trichlorobenzene	18.308	180	4703433	410.24	ug/kg	100
100) hexachlorobutadiene	18.598	225	2684090	452.61	ug/kg	100
101) naphthalene	18.578	128	14262903	472.33	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	4636056	421.68	ug/kg	96
103) 2-methylnaphthalene	19.972	142	3271194	206.17	ug/kg	99
104) 1-methylnaphthalene	20.228	TIC	9528647	115.32	ug/kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58644.D
Acq On : 21 Aug 2013 6:36 pm
Operator : krystend
Sample : IC2022-400
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 22 08:30:13 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:45 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58647.D
Acq On : 21 Aug 2013 8:04 pm
Operator : krystend
Sample : ICV2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 22 08:42:41 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	169879	500.00	ug/kg	-0.01
4) pentafluorobenzene	9.349	168	348434	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	593147	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	266098	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.078	152	279736	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	215604	48.34	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.68%			
59) toluene-d8 (s)	12.043	98	746048	47.67	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.34%			
81) bromofluorobenzene (s)	14.738	95	257294	47.36	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.72%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	314181	689.16	ug/kg	95
3) Ethanol	5.644	45	185479	4133.98	ug/kg	95
5) dichlorodifluoromethane	4.424	85	303384	61.74	ug/kg	99
6) chloromethane	4.687	50	479044	62.80	ug/kg	98
7) vinyl chloride	4.963	62	377845m	42.53	ug/kg	
8) bromomethane ...	5.502	96	218727	53.80	ug/kg	100
9) chloroethane	5.671	64	160747	56.29	ug/kg	97
10) ethyl ether	6.573	59	180761	53.98	ug/kg	97
11) acetonitrile	6.573	41	48541	47.49	ug/kg	96
12) trichlorofluoromethane	6.331	101	357635m	49.98	ug/kg	
13) freon-113	7.146	101	226923	61.11	ug/kg	98
14) acrolein	6.324	56	113661	440.82	ug/kg	96
15) 1,1-dichloroethene	6.944	96	234174	57.40	ug/kg	95
16) acetone	6.472	58	35940	46.72	ug/kg#	77
17) Methyl Acetate	7.132	43	244435	43.47	ug/kg	94
18) methylene chloride	7.099	84	245917m	50.63	ug/kg	
19) methyl tert butyl ether	7.907	73	566228	54.37	ug/kg	99
20) acrylonitrile	7.004	53	91901	53.54	ug/kg	91
21) allyl chloride	7.193	41	425190	52.70	ug/kg	98
22) trans-1,2-dichloroethene	7.813	96	245658	52.18	ug/kg	97
23) iodomethane	7.011	142	431885	55.96	ug/kg	98
24) carbon disulfide	7.388	76	781066	56.99	ug/kg	98
25) propionitrile	8.156	54	31207	54.48	ug/kg	100
26) vinyl acetate	8.170	43	381692	39.03	ug/kg	99
27) chloroprene	8.446	53	405732	57.12	ug/kg	99
28) di-isopropyl ether	8.480	45	871390	51.17	ug/kg	97
29) methacrylonitrile	8.601	41	142451	49.56	ug/kg	98
30) 2-butanone	8.493	72	35263	44.70	ug/kg#	32
31) 1,1-dichloroethane	8.069	63	445499	58.60	ug/kg	98
32) tert-butyl ethyl ether	8.884	59	698734	55.37	ug/kg	99
33) isobutyl alcohol	8.884	43	178064	279.78	ug/kg	91
34) 2,2-dichloropropane	8.951	77	297815	58.27	ug/kg	100
35) cis-1,2-dichloroethene	8.655	96	265225	50.02	ug/kg	97
36) ethyl acetate	8.884	43	169102	52.65	ug/kg	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58647.D
Acq On : 21 Aug 2013 8:04 pm
Operator : krystend
Sample : ICV2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 22 08:42:41 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	134925	56.87	ug/kg	97
38) chloroform	8.864	83	439636	55.72	ug/kg	98
40) Tetrahydrofuran	9.194	42	83642	50.18	ug/kg	97
41) 1,1,1-trichloroethane	9.632	97	375107	58.44	ug/kg	97
43) Cyclohexane	9.914	56	390330	53.34	ug/kg	96
44) carbon tetrachloride	10.002	117	351442	57.98	ug/kg	98
45) 1,1-dichloropropene	9.807	75	323349	53.13	ug/kg	99
46) benzene	10.029	78	965583	50.67	ug/kg	99
47) 1,2-dichloroethane	9.524	62	317441	52.79	ug/kg	99
48) tert-amyl methyl ether	10.150	73	562333	54.69	ug/kg	98
49) heptane	10.507	43	407150	50.42	ug/kg	100
50) trichloroethene	10.655	95	250901	49.73	ug/kg	99
51) 1,2-dichloropropane	10.622	63	253146	51.21	ug/kg	100
52) dibromomethane	10.602	93	159676	58.88	ug/kg	99
53) bromodichloromethane	10.709	83	335264	53.55	ug/kg	99
54) Methylcyclohexane	11.181	83	421581	54.70	ug/kg	98
55) 2-chloroethyl vinyl ether	11.087	63	90377	45.76	ug/kg	99
56) methyl methacrylate	10.804	69	150149	55.27	ug/kg	94
57) 1,4-dioxane	10.810	88	11261	270.06	ug/kg#	63
58) cis-1,3-dichloropropene	11.336	75	373879	49.92	ug/kg	99
60) 4-methyl-2-pentanone	11.423	43	272672	50.68	ug/kg	99
61) toluene	12.117	92	609992	52.04	ug/kg	99
62) trans-1,3-dichloropropene	11.753	75	334781	54.05	ug/kg	100
63) 1,1,2-trichloroethane	11.929	83	175214	52.74	ug/kg	99
64) ethyl methacrylate	12.124	69	292756	51.05	ug/kg	98
66) tetrachloroethene	12.858	166	241322	56.80	ug/kg	98
67) 1,3-dichloropropane	12.164	76	334352	54.02	ug/kg	99
68) dibromochloromethane	12.461	129	263738	56.27	ug/kg	98
69) 1,2-dibromoethane	12.717	107	222008	55.79	ug/kg	99
70) 2-hexanone	12.286	43	216488	44.16	ug/kg	99
71) chlorobenzene	13.545	112	681010	52.01	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.464	131	247166	54.35	ug/kg	97
73) ethylbenzene	13.714	91	1157180	54.63	ug/kg	99
74) m,p-xylene	13.902	106	943772	106.09	ug/kg	99
75) o-xylene	14.313	106	465934	52.58	ug/kg	99
76) styrene	14.239	104	705424	52.66	ug/kg	96
77) bromoform	14.071	173	167424	61.07	ug/kg	100
78) trans-1,4-dichloro-2-b...	14.461	53	89048	54.42	ug/kg	97
80) isopropylbenzene	14.677	105	1201019	50.72	ug/kg	99
82) bromobenzene	14.973	156	289397	51.80	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.320	83	314422	53.84	ug/kg	100
84) 1,2,3-trichloropropane	14.468	75	322765	54.89	ug/kg	97
85) n-propylbenzene	15.122	91	1368254	49.89	ug/kg	99
86) 2-chlorotoluene	15.243	91	796770	49.46	ug/kg	100
87) 4-chlorotoluene	15.317	91	798447	49.75	ug/kg	98
88) 1,3,5-trimethylbenzene	15.398	105	1016319	50.72	ug/kg	100
89) tert-butylbenzene	15.708	91	561796	50.44	ug/kg	100
90) 1,2,4-trimethylbenzene	15.809	105	995613	50.56	ug/kg	99
91) sec-butylbenzene	15.930	105	1368000	50.48	ug/kg	100
92) 1,3-dichlorobenzene	16.038	146	559210	47.64	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58647.D
Acq On : 21 Aug 2013 8:04 pm
Operator : krystend
Sample : ICV2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 22 08:42:41 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

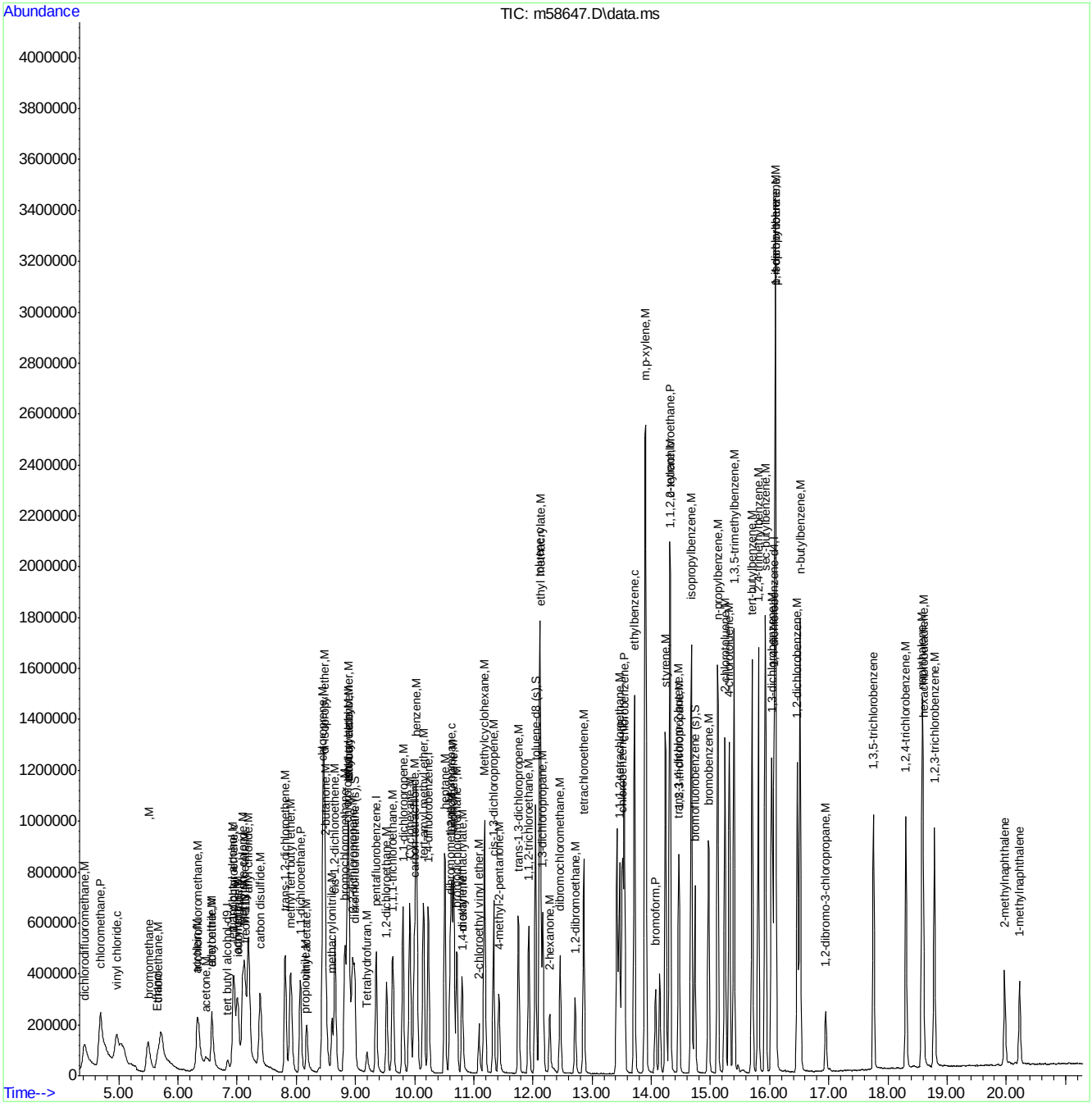
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.098	119	1181707	54.49	ug/kg	100
94)	1,4-dichlorobenzene	16.098	146	637716	51.46	ug/kg	99
95)	1,2-dichlorobenzene	16.469	146	545723	47.82	ug/kg	100
96)	n-butylbenzene	16.516	91	1084572	51.25	ug/kg	97
97)	1,2-dibromo-3-chloropr...	16.947	75	58334	57.88	ug/kg	94
98)	1,3,5-trichlorobenzene	17.756	180	326013	43.66	ug/kg	99
99)	1,2,4-trichlorobenzene	18.301	180	338889	48.73	ug/kg	99
100)	hexachlorobutadiene	18.598	225	176214	48.35	ug/kg	100
101)	naphthalene	18.577	128	945392	50.63	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	325071	48.57	ug/kg	95
103)	2-methylnaphthalene	19.979	142	237468	24.66	ug/kg	98
104)	1-methylnaphthalene	20.228	TIC	757045	24.37	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58647.D
Acq On : 21 Aug 2013 8:04 pm
Operator : krystend
Sample : ICV2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 22 08:42:41 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/04/13 09:22

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58920.D
Acq On : 3 Sep 2013 8:35 am
Operator : krystend
Sample : cc2022-50
Misc : MS29794,MSM2033,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 03 08:58:28 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	173218	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	390965	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	677504	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	307617	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	368849	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	208962	41.75	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.50%			
59) toluene-d8 (s)	12.043	98	750833	42.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.00%			
81) bromofluorobenzene (s)	14.738	95	285319	39.83	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 79.66%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	212845	457.88	ug/kg	91
3) Ethanol	5.657	45	206452	4506.47	ug/kg	88
5) dichlorodifluoromethane	4.424	85	321011	58.22	ug/kg	99
6) chloromethane	4.694	50	436651	51.01	ug/kg	96
7) vinyl chloride	4.970	62	462041m	46.35	ug/kg	
8) bromomethane ...	5.502	96	229194	50.24	ug/kg	98
9) chloroethane	5.671	64	171644	53.56	ug/kg	99
10) ethyl ether	6.573	59	190127	50.60	ug/kg	93
11) acetonitrile	6.573	41	58440	50.59	ug/kg	94
12) trichlorofluoromethane	6.338	101	434175m	54.07	ug/kg	
13) freon-113	7.153	101	240058	57.61	ug/kg	88
14) acrolein	6.331	56	52548	188.27	ug/kg	95
15) 1,1-dichloroethene	6.951	96	248849	54.36	ug/kg	86
16) acetone	6.479	58	40537	46.96	ug/kg#	85
17) Methyl Acetate	7.126	43	320398	50.78	ug/kg	96
18) methylene chloride	7.099	84	295481	54.22	ug/kg	93
19) methyl tert butyl ether	7.907	73	589327	50.44	ug/kg	98
20) acrylonitrile	7.004	53	93944	48.78	ug/kg	90
21) allyl chloride	7.193	41	451721	49.90	ug/kg	98
22) trans-1,2-dichloroethene	7.813	96	288205	54.56	ug/kg	93
23) iodomethane	7.011	142	514050	59.36	ug/kg	98
24) carbon disulfide	7.395	76	861905	56.05	ug/kg	99
25) propionitrile	8.096	54	35047	54.53	ug/kg	100
26) vinyl acetate	8.170	43	559461	50.99	ug/kg	99
27) chloroprene	8.446	53	402929	50.56	ug/kg	94
28) di-isopropyl ether	8.480	45	936647	49.02	ug/kg	96
29) methacrylonitrile	8.601	41	146854	45.54	ug/kg	96
30) 2-butanone	8.500	72	33069	36.81	ug/kg#	65
31) 1,1-dichloroethane	8.069	63	430454	50.46	ug/kg	98
32) tert-butyl ethyl ether	8.884	59	702116	49.59	ug/kg	97
33) isobutyl alcohol	8.884	43	156148	218.66	ug/kg	95
34) 2,2-dichloropropane	8.951	77	292261	50.96	ug/kg	96
35) cis-1,2-dichloroethene	8.655	96	311311	52.32	ug/kg	96
36) ethyl acetate	8.884	43	158077	43.86	ug/kg	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58920.D
Acq On : 3 Sep 2013 8:35 am
Operator : krystend
Sample : cc2022-50
Misc : MS29794,MSM2033,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 03 08:58:28 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	148448	55.77	ug/kg	88
38) chloroform	8.864	83	448408	50.65	ug/kg	98
40) Tetrahydrofuran	9.194	42	79778	42.66	ug/kg	99
41) 1,1,1-trichloroethane	9.632	97	381080	52.91	ug/kg	96
43) Cyclohexane	9.921	56	436855	52.27	ug/kg	98
44) carbon tetrachloride	10.002	117	375544	54.24	ug/kg	99
45) 1,1-dichloropropene	9.807	75	354016	50.93	ug/kg	95
46) benzene	10.029	78	1083749	49.79	ug/kg	100
47) 1,2-dichloroethane	9.524	62	339197	49.38	ug/kg	97
48) tert-amyl methyl ether	10.150	73	583726	49.71	ug/kg	97
49) heptane	10.507	43	472758	51.26	ug/kg	98
50) trichloroethene	10.656	95	295874	51.34	ug/kg	96
51) 1,2-dichloropropane	10.622	63	282566	50.05	ug/kg	98
52) dibromomethane	10.602	93	160029	51.66	ug/kg	92
53) bromodichloromethane	10.716	83	371549	51.96	ug/kg	98
54) Methylcyclohexane	11.181	83	477690	54.26	ug/kg	96
55) 2-chloroethyl vinyl ether	11.087	63	103067	45.69	ug/kg	97
56) methyl methacrylate	10.804	69	152846	49.25	ug/kg	94
57) 1,4-dioxane	10.804	88	11957	250.73	ug/kg	82
58) cis-1,3-dichloropropene	11.336	75	438479	51.25	ug/kg	94
60) 4-methyl-2-pentanone	11.424	43	272015	44.27	ug/kg	98
61) toluene	12.117	92	705411	52.68	ug/kg	99
62) trans-1,3-dichloropropene	11.754	75	362729	51.27	ug/kg	92
63) 1,1,2-trichloroethane	11.929	83	196258	51.71	ug/kg	96
64) ethyl methacrylate	12.124	69	311254	47.52	ug/kg	98
66) tetrachloroethene	12.858	166	280736	57.16	ug/kg	98
67) 1,3-dichloropropane	12.165	76	370822	51.82	ug/kg	97
68) dibromochloromethane	12.461	129	319572	58.98	ug/kg	97
69) 1,2-dibromoethane	12.710	107	255208	55.48	ug/kg	95
70) 2-hexanone	12.286	43	201557	35.56	ug/kg	99
71) chlorobenzene	13.546	112	857076	56.62	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.465	131	314899	59.90	ug/kg	98
73) ethylbenzene	13.714	91	1330200	54.32	ug/kg	98
74) m,p-xylene	13.903	106	1148248	111.65	ug/kg	97
75) o-xylene	14.313	106	576127	56.24	ug/kg	92
76) styrene	14.239	104	883425	57.05	ug/kg	100
77) bromoform	14.071	173	191723	60.49	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.462	53	92005	48.63	ug/kg	93
80) isopropylbenzene	14.677	105	1496582	47.93	ug/kg	97
82) bromobenzene	14.974	156	365866	49.66	ug/kg	89
83) 1,1,2,2-tetrachloroethane	14.320	83	334950	43.50	ug/kg	96
84) 1,2,3-trichloropropane	14.468	75	348035	44.88	ug/kg	99
85) n-propylbenzene	15.122	91	1679875	46.46	ug/kg	95
86) 2-chlorotoluene	15.243	91	1003343	47.23	ug/kg	95
87) 4-chlorotoluene	15.317	91	986109	46.60	ug/kg	93
88) 1,3,5-trimethylbenzene	15.398	105	1272671	48.17	ug/kg	96
89) tert-butylbenzene	15.708	91	684501	46.61	ug/kg	90
90) 1,2,4-trimethylbenzene	15.809	105	1257299	48.42	ug/kg	98
91) sec-butylbenzene	15.930	105	1733378	48.51	ug/kg	96
92) 1,3-dichlorobenzene	16.038	146	781158	50.47	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58920.D
Acq On : 3 Sep 2013 8:35 am
Operator : krystend
Sample : cc2022-50
Misc : MS29794,MSM2033,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 03 08:58:28 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	1401009	48.99	ug/kg	97
94)	1,4-dichlorobenzene	16.099	146	804394	49.23	ug/kg	97
95)	1,2-dichlorobenzene	16.469	146	755248	50.19	ug/kg	99
96)	n-butylbenzene	16.516	91	1316795	47.19	ug/kg	95
97)	1,2-dibromo-3-chloropr...	16.947	75	64702	47.78	ug/kg	99
98)	1,3,5-trichlorobenzene	17.756	180	506114	51.40	ug/kg	100
99)	1,2,4-trichlorobenzene	18.308	180	470916	51.35	ug/kg	98
100)	hexachlorobutadiene	18.598	225	236006	49.11	ug/kg	98
101)	naphthalene	18.578	128	1231497	50.02	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	446392	50.58	ug/kg	98
103)	2-methylnaphthalene	19.979	142	320293	25.22	ug/kg	99
104)	1-methylnaphthalene	20.228	TIC	967207	23.54	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

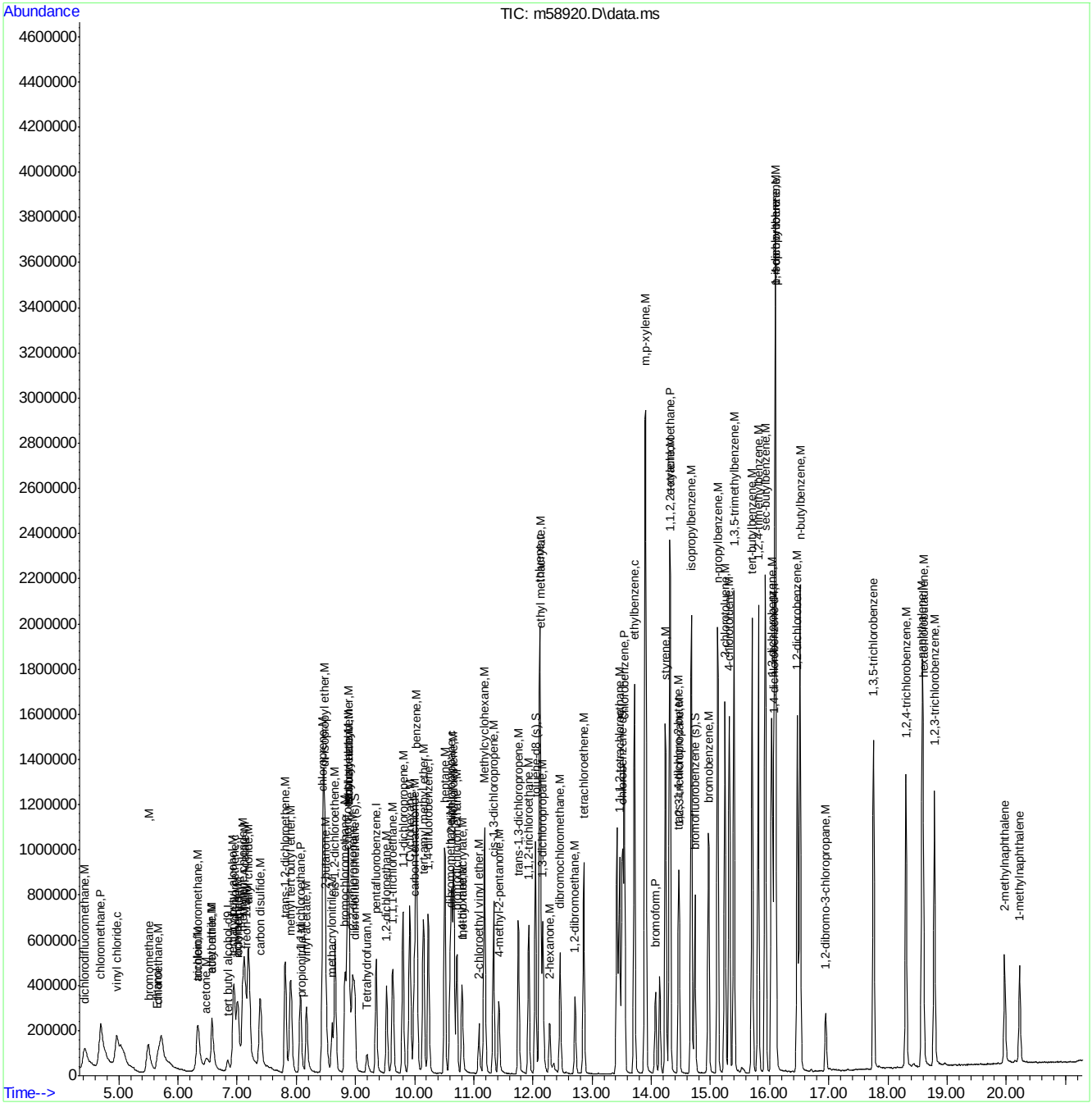
7.6.11

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58920.D
Acq On : 3 Sep 2013 8:35 am
Operator : krystend
Sample : cc2022-50
Misc : MS29794,MSM2033,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

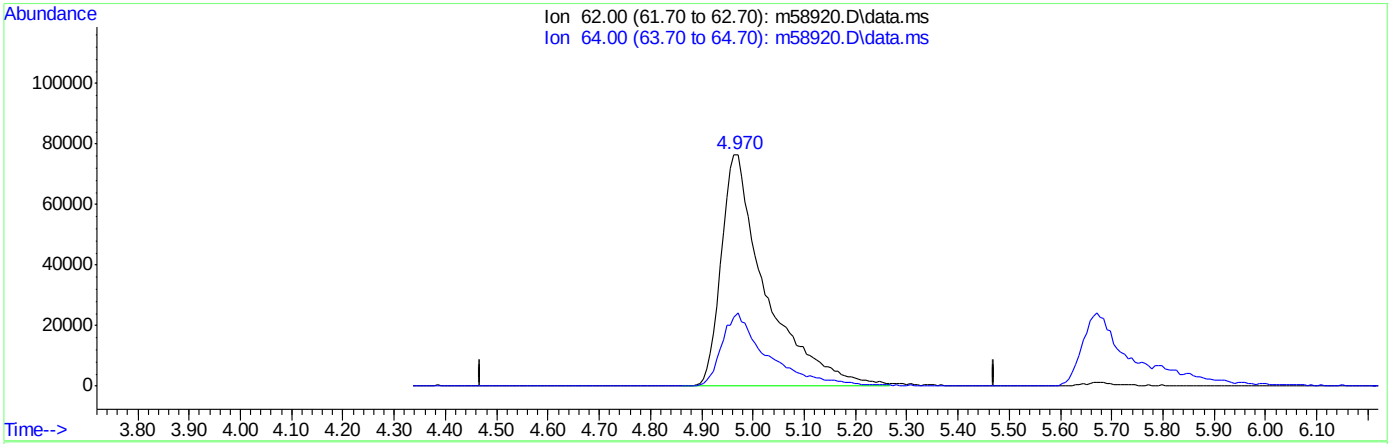
Quant Time: Sep 03 08:58:28 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

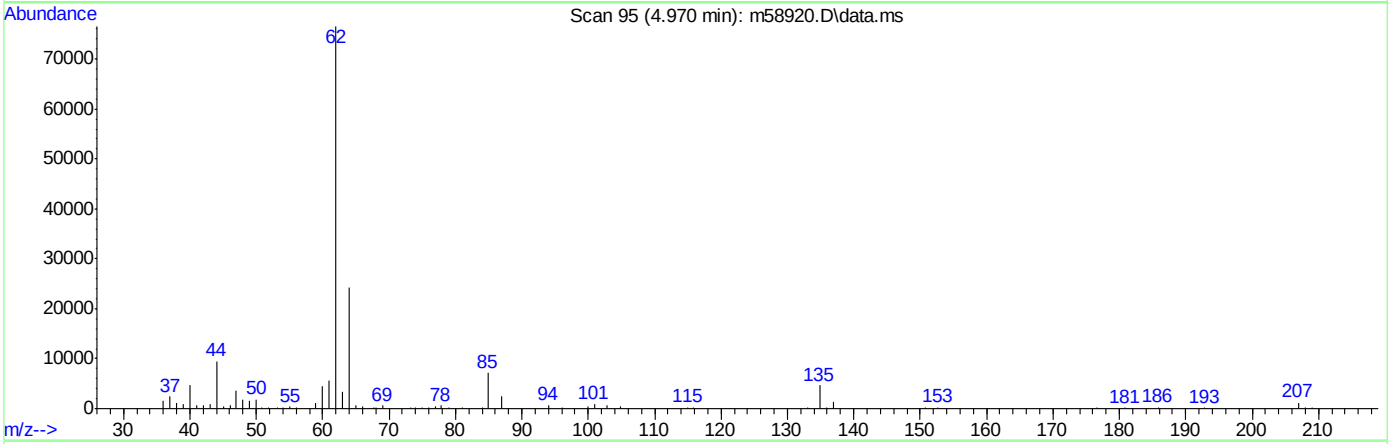


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58920.D
Acq On : 3 Sep 2013 8:35 am
Operator : krystend
Sample : cc2022-50
Misc : MS29794,MSM2033,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 03 08:58:12 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m58920.D\data.ms

(7) vinyl chloride (c)

4.970min (+0.000) 46.35ug/kg m

response 462041

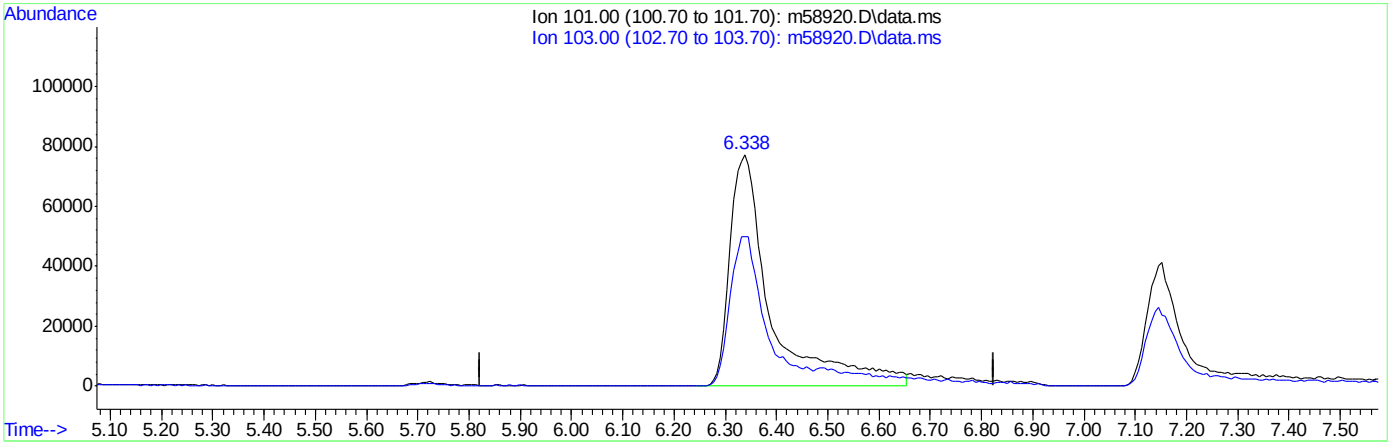
Ion	Exp%	Act%
62.00	100	100
64.00	29.50	31.72
0.00	0.00	0.00
0.00	0.00	0.00

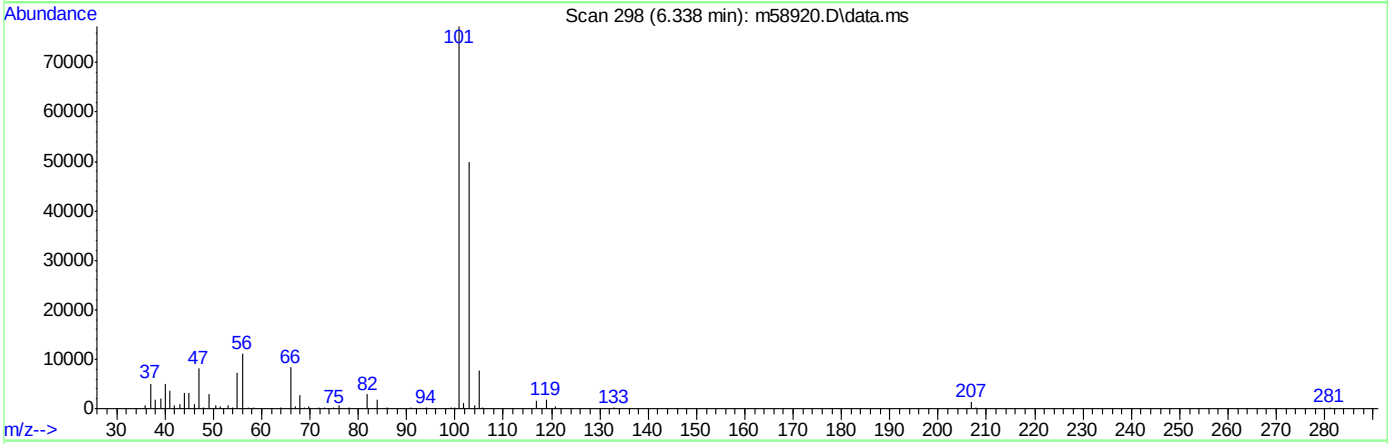
ACCUTEST LABORATORIES MC23948

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130903.S\
Data File : m58920.D
Acq On : 3 Sep 2013 8:35 am
Operator : krystend
Sample : cc2022-50
Misc : MS29794,MSM2033,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 03 08:58:12 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m58920.D\data.ms

(12) trichlorofluoromethane (M)

6.338min (-0.006) 54.07ug/kg m

response 434175

Ion	Exp%	Act%
101.00	100	100
103.00	62.50	64.65
0.00	0.00	0.00
0.00	0.00	0.00

7.6.11.2
7
ACCUTEST LABORATORIES
MC23948
M58920.D edits: trichlorofluoromethane

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9347	8260CC (1)	200ug/mL
344	BS (2)	200
330	IS	250
307	SS	200

Daily Saved File

Tune file 1:	M58633
Tune file 2:	
Initial Cal:	8/21/13
ID File:	M130821S.M
ICAL Verified:	KD
Sequence verified:	KR

Date: 8/21/13

Batch ID: MSM2022

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M58625	blank	NA	NA	8260	1	NA	NA	NA	NA	NA	-
26	blank	1		Low	2						-
27	blank	↓		Soil	3						-
28	test 0.5	1		Curve	4						OK
29	test 5	1			5						OK
30	test 400	↓			6						OK
31	blank	NA			7						-
32	blank	1			8						-
33	bfb	1			9						✓✓
34	blank	↓			10						-
35	*IC2022-2	1			11						
36	-0.5				12						✓✓
37	-2				13						✓✓
38	-5				14						✓✓
39	-10				15						✓✓
40	-20				16						✓✓
41	ICC2022-50				17						✓✓
42	IC2022-100				18						✓✓
43	-200				19						✓✓
44	-400	↓			20						✓✓
45	blank	NA			21						
46	blank	↓			22						
47	ICV2022-50	2			23						✓✓
48	ICV2022-50	↓			24						
49	blank	NA			25						
50	blank	↓	↓	↓	26	↓	↓	↓	↓	↓	

8/21/13 KD

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

ACCUTEST LABORATORIES MC23948

Accutest Laboratories of New England, Inc.

Instrument: GCMS M

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9347	8260 CC	200ug/mL
↓ 44	↓ BS	200
↓ 49	↓ IS/SS	250

Daily Saved File

Tune file 1:	M58633
Tune file 2:	M58652
Initial Cal:	8/21/13
ID File:	M130821S.M
ICAL Verified:	KD
Sequence verified:	KD

Date: 8/22/13

Batch ID: MSM2022

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M58651	blank	NA	NA	NA	1	NA	NA	NA	NA	NA	-
52	CC2022-50	1			2						VV
53	BS	2			3						VV
54	blk	NA			4						-
55	mb	↓	↓	↓	5	↓	↓				VV
56	MC23682-1	11	MS29719	SL+	6	50	5.570				VV
57	-2	3			7		4.950				VV
58	-3	3			8		5.730				VV
59	MC23678-5	2		TCL	9		5.17				VV
60	MC23682-1MS	12		SL+	10		6.020				VV
61	-1MSD	8			11		6.120				VV
62	MC23527-1	3		RCP	12		5.870				Hold VV
63	-2	3			13		5.210				Time VV
64	-3	3			14		4.210				Today VV
65	MC23678-1	3		TCL	15		5.05				VV
66	-2	2			16		5.1				VV
67	MC23603-1	4		TCL+MTBE SPL, SPM	17		9.43				RR↓IS
68	-2	4			18		8.34				VV
69	-3	4			19		10.11				RR↓IS
70	-4	3			20		9.07				VV
71	-5	3			21		8.19				VV
72	-6	4			22		9.03				VV
73	-7	4			23		6.59				VV
74	MC23661-1	7		Std+MTBE	24		4.52				RR↓IS
75	-2	6			25		4.66				VV
76	blank	NA	NA	NA	26	NA	NA				-

8/22/13 KD

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9347	8260 CC	200µg/mL
↓ 44	↓ BS	200
↓ 49	↓ ISTSS	250 ↓

Daily Saved File

Tune file 1:	M58920
Tune file 2:	NA
Initial Cal:	8/21/13
ID File:	M130821 S.M
ICAL Verified:	KD
Sequence verified:	KK

Date: 9/3/13

Batch ID: MSM2033

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M58919	Blank	NA	NA	NA	1 ~~NA~~ KD	NA	NA	NA	NA	NA	-
20	CC2022-50	2			2						VV
21	BS	2			3						VV
22	BSD	2			4						VV
23	161k	NA			5						-
24	mb	NA			6						VV
25	MC23939-1	7	MS29800	Std+MTBE	7	50	5.15				VV
26	MC23948-1	1		TCL42+	8		4.828				20 tics VV
27	-2	1			9		5.484				VV
28	-4	2			10		4.651				VV
29	MC23963-1	4		MCP	11		2.96				VV
30	-8	3			12		2.62				VV
31	-9	4			13		3.26				VV
32	-10	4			14		3.08				VV
33	-11	3			15		3.6				VV
34	MC23948-1MS	1		TCL42+	16		4.761				VV
35	-1MSD	1			17		4.807				VV

9/3/13 KD

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

Review:_____

New England ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M1.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16045
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:28	MA16045-STD1	1		STD1
10:33	MA16045-STD2	1		STD2
10:38	MA16045-STD3	1		STD3
10:43	MA16045-STD4	1		STD4
10:48	MA16045-ICV1	1		
11:12	MA16045-ICB1	1		
11:16	MA16045-CCV1	1		
11:21	MA16045-CCB1	1		
11:26	MA16045-CRI1	1		
11:31	MA16045-CRIA1	1		
11:36	MA16045-CRIB1	1		
11:45	MA16045-ICSA1	1		
11:50	MA16045-ICSAB1	1		
11:56	ZZZZZZ	10		
12:01	ZZZZZZ	10		
12:06	MP21572-PS1	1		
12:11	MP21575-B1	1		
12:16	MP21575-MB1	1		
12:21	MA16045-CCV2	1		
12:25	MA16045-CCB2	1		
12:30	MP21575-S1	1		
12:35	MP21575-S2	1		
12:40	MC23894-10	1		(sample used for QC only; not part of login MC23948)
12:45	MP21575-SD1	5		
12:50	MP21575-B2	1		
12:55	MP21575-LC1	1		
---------->	Last reportable sample/prep for job MC23948			
12:59	ZZZZZZ	1		
13:04	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:14	ZZZZZZ	1		
13:19	MA16045-CCV3	1		
13:23	MA16045-CCB3	1		
13:28	MP21576-B1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M1.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16045
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:33	MP21576-MB1	1		
13:38	MP21576-S1	1		
13:43	MP21576-S2	1		
13:48	MC23965-2A	1		(sample used for QC only; not part of login MC23948)
13:53	MP21576-SD1	5		
13:58	MP21576-LB1	1		
14:03	ZZZZZZ	1		
14:08	ZZZZZZ	1		
14:13	ZZZZZZ	1		
14:28	MA16045-CCV4	1		
14:33	MA16045-CCB4	1		
14:38	ZZZZZZ	1		
14:43	ZZZZZZ	1		
14:48	ZZZZZZ	1		
14:59	ZZZZZZ	1		RINSECONF.
15:04	MA16045-CRI2	1		
15:09	MA16045-CRIA2	1		
15:14	MA16045-CRIB2	1		
15:19	MA16045-ICSA2	1		
15:24	MA16045-ICSAB2	1		
15:29	MA16045-CCV5	1		
15:34	MA16045-CCB5	1		

----------> Last reportable CCB for job MC23948
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M1.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16045
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
10:28	MA16045-STD1	1375 R	58182 R	8557 R
10:33	MA16045-STD2	1359	57949	8551
10:38	MA16045-STD3			8635
10:43	MA16045-STD4	1369	57894	8542
10:48	MA16045-ICV1	1358	57364	8548
11:12	MA16045-ICB1	1377	56967	8408
11:16	MA16045-CCV1	1377	57510	8556
11:21	MA16045-CCB1	1377	57453	8492
11:26	MA16045-CRI1	1374	57448	8547
11:31	MA16045-CRIA1	1375	57477	8517
11:36	MA16045-CRIB1	1381	57273	8483
11:45	MA16045-ICSA1	1260	52767	8258
11:50	MA16045-ICSAB1	1264	52947	8317
11:56	ZZZZZZ	1373	57236	8541
12:01	ZZZZZZ	1349	56798	8360
12:06	MP21572-PS1	1503	62216	9342
12:11	MP21575-B1	1358	59893	8540
12:16	MP21575-MB1	1366	57170	8551
12:21	MA16045-CCV2	1380	57304	8620
12:25	MA16045-CCB2	1379	57260	8534
12:30	MP21575-S1	1278	55487	8509
12:35	MP21575-S2	1264	54772	8443
12:40	MC23894-10	1293	55154	8627
12:45	MP21575-SD1	1341	55861	8351
12:50	MP21575-B2	1367	56210	8496
12:55	MP21575-LC1	1510	62689	9428
12:59	ZZZZZZ	1515	63091	9415
13:04	ZZZZZZ	1499	62500	9364
13:09	ZZZZZZ	1567	64505	9739
13:14	ZZZZZZ	1557	63695	9582
13:19	MA16045-CCV3	1393	56982	8494
13:23	MA16045-CCB3	1394	57127	8541
13:28	MP21576-B1	1276	53708	8460

INTERNAL STANDARD SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M1.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16045
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
13:33	MP21576-MB1	1376	57130	8546
13:38	MP21576-S1	1278	54223	8469
13:43	MP21576-S2	1284	53870	8449
13:48	MC23965-2A	1275	53581	8438
13:53	MP21576-SD1	1359	56614	8579
13:58	MP21576-LB1	1268	53177	8392
14:03	ZZZZZZ	1161	50393	7932
14:08	ZZZZZZ	1184	50641	7930
14:13	ZZZZZZ	1194	51125	8062
14:28	MA16045-CCV4	1392	57727	8565
14:33	MA16045-CCB4	1387	57632	8508
14:38	ZZZZZZ	1173	51653	8064
14:43	ZZZZZZ	1260	54066	8312
14:48	ZZZZZZ	1266	54341	8371
14:59	ZZZZZZ	1373	57506	8505
15:04	MA16045-CRI2	1384	57448	8536
15:09	MA16045-CRIA2	1385	56955	8391
15:14	MA16045-CRIB2	1394	56726	8349
15:19	MA16045-ICSA2	1283	52593	8200
15:24	MA16045-ICSAB2	1286	52728	8305
15:29	MA16045-CCV5	1412	57074	8316
15:34	MA16045-CCB5	1409	57056	8309

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M1.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16045 Units: ug/l

Time: / Sample ID:			11:12 ICB1		11:21 CCB1		12:25 CCB2		13:23 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12								
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.7	-0.60	<4.0	0.0	<4.0	0.70	<4.0	-0.80	<4.0
Barium	50	.32	0.0	<50	0.10	<50	0.10	<50	0.20	<50
Beryllium	4.0	.1	anr							
Boron	100	1.1								
Cadmium	4.0	.25	0.0	<4.0	0.0	<4.0	0.0	<4.0	0.0	<4.0
Calcium	5000	21								
Chromium	10	.48	0.90	<10	0.70	<10	0.20	<10	0.60	<10
Cobalt	50	.29								
Copper	25	.93	0.0	<25	0.20	<25	0.30	<25	0.50	<25
Gold	50	1.5								
Iron	100	3.5								
Lead	5.0	1.2	0.80	<5.0	-0.20	<5.0	0.30	<5.0	0.70	<5.0
Magnesium	5000	30								
Manganese	15	.16								
Molybdenum	100	.31								
Nickel	40	.45	anr							
Palladium	50	2.2								
Platinum	50	6.4								
Potassium	5000	54								
Selenium	10	1.7	-0.60	<10	0.80	<10	1.2	<10	-0.40	<10
Silicon	100	2								
Silver	5.0	.81	0.10	<5.0	0.30	<5.0	0.10	<5.0	0.20	<5.0
Sodium	5000	16	anr							
Strontium	10	.12								
Thallium	5.0	1.2	anr							
Tin	100	.87								
Titanium	50	.66								
Tungsten	100	9.3								
Vanadium	10	.82								
Zinc	20	.45	anr							
Zirconium	50	.45								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M1.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16045 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M1.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16045 Units: ug/l

Time:			14:33		15:34	
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	12				
Antimony	6.0	1.1	anr			
Arsenic	4.0	1.7	0.20	<4.0	0.50	<4.0
Barium	50	.32	0.0	<50	0.10	<50
Beryllium	4.0	.1	anr			
Boron	100	1.1				
Cadmium	4.0	.25	0.0	<4.0	0.10	<4.0
Calcium	5000	21				
Chromium	10	.48	0.90	<10	0.40	<10
Cobalt	50	.29				
Copper	25	.93	0.30	<25	0.10	<25
Gold	50	1.5				
Iron	100	3.5				
Lead	5.0	1.2	0.10	<5.0	0.40	<5.0
Magnesium	5000	30				
Manganese	15	.16				
Molybdenum	100	.31				
Nickel	40	.45	anr			
Palladium	50	2.2				
Platinum	50	6.4				
Potassium	5000	54				
Selenium	10	1.7	-0.50	<10	0.60	<10
Silicon	100	2				
Silver	5.0	.81	0.10	<5.0	-0.30	<5.0
Sodium	5000	16	anr			
Strontium	10	.12				
Thallium	5.0	1.2	anr			
Tin	100	.87				
Titanium	50	.66				
Tungsten	100	9.3				
Vanadium	10	.82				
Zinc	20	.45	anr			
Zirconium	50	.45				

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M1.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16045 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M1.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16045 Units: ug/l

Time:		10:48			11:16			12:21	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	3000	3050	101.7	2000	1950	97.5	2000	2010	100.5
Barium	3000	3080	102.7	2000	1980	99.0	2000	2030	101.5
Beryllium	anr								
Boron									
Cadmium	3000	2970	99.0	2000	1970	98.5	2000	2030	101.5
Calcium									
Chromium	3000	3070	102.3	2000	2000	100.0	2000	2070	103.5
Cobalt									
Copper	3000	2940	98.0	2000	1970	98.5	2000	2050	102.5
Gold									
Iron									
Lead	3000	2910	97.0	2000	1950	97.5	2000	2000	100.0
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	3000	2970	99.0	2000	1950	97.5	2000	2000	100.0
Silicon									
Silver	500	508	101.6	250	254	101.6	250	261	104.4
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M1.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16045 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M1.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16045 Units: ug/l

Time:		13:19			14:28			15:29	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	2000	1990	99.5	2000	1940	97.0	2000	1970	98.5
Barium	2000	2010	100.5	2000	1950	97.5	2000	2030	101.5
Beryllium	anr								
Boron									
Cadmium	2000	2020	101.0	2000	1960	98.0	2000	2010	100.5
Calcium									
Chromium	2000	2080	104.0	2000	1990	99.5	2000	2080	104.0
Cobalt									
Copper	2000	2050	102.5	2000	1980	99.0	2000	2040	102.0
Gold									
Iron									
Lead	2000	1980	99.0	2000	1930	96.5	2000	1960	98.0
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	2000	1970	98.5	2000	1930	96.5	2000	1940	97.0
Silicon									
Silver	250	264	105.6	250	249	99.6	250	265	106.0
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M1.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16045 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M1.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16045 Units: ug/l

Time: / Sample ID: / Metal	CRI True	CRIA True	11:26 CRI1 Results	% Rec	11:31 CRIA1 Results	% Rec	15:04 CRI2 Results	% Rec	15:09 CRIA2 Results	% Rec
Aluminum	200	200								
Antimony	6.0	10	anr							
Arsenic	4.0	10	4.1	102.5	9.3	93.0	3.4	85.0	10.5	105.0
Barium	50	50	51.3	102.6	51.5	103.0	51.2	102.4	51.0	102.0
Beryllium	4.0	4.0	anr							
Boron	100	100								
Cadmium	4.0	4.0	4.2	105.0	4.3	107.5	4.2	105.0	4.1	102.5
Calcium	5000	5000								
Chromium	10	10	10.8	108.0	10.5	105.0	10.7	107.0	10.9	109.0
Cobalt	50	50								
Copper	25	25	24.9	99.6	24.5	98.0	24.9	99.6	24.8	99.2
Gold	50	50								
Iron	100	100								
Lead	5.0	10	5.2	104.0	11.4	114.0	4.5	90.0	10.2	102.0
Magnesium	5000	5000								
Manganese	15	15								
Molybdenum	100	100								
Nickel	40	40	anr							
Palladium	50	50								
Platinum	50	50								
Potassium	5000	5000								
Selenium	10	10	10.0	100.0	10.7	107.0	10.7	107.0	10.1	101.0
Silicon	100	100								
Silver	5.0	5.0	5.3	106.0	5.3	106.0	5.2	104.0	4.9	98.0
Sodium	5000	5000	anr							
Strontium	10	10								
Thallium	5.0	10	anr							
Tin	100	100								
Titanium	50	50								
Tungsten	100	100								
Vanadium	10	10								
Zinc	20	20	anr							
Zirconium	50	50								

(*) Outside of QC limits

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M1.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16045 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M1.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA16045 Units: ug/l

Time:		11:36		15:14	
Sample ID:	CRIB	CRIB1		CRIB2	
Metal	True	Results	% Rec	Results	% Rec
Aluminum	200				
Antimony	6.0				
Arsenic	10	10.5	105.0	8.6	86.0
Barium	500	522	104.4	520	104.0
Beryllium	4.0				
Boron	100				
Cadmium	4.0	4.2	105.0	4.2	105.0
Calcium	5000				
Chromium	10	10.6	106.0	10.4	104.0
Cobalt	50				
Copper	25	24.2	96.8	24.8	99.2
Gold	50				
Iron	100				
Lead	10	9.5	95.0	10.1	101.0
Magnesium	5000				
Manganese	15				
Molybdenum	100				
Nickel	40				
Palladium	50				
Platinum	50				
Potassium	5000				
Selenium	25	23.6	94.4	24.1	96.4
Silicon	100				
Silver	5.0	5.5	110.0	5.1	102.0
Sodium	5000				
Strontium	10				
Thallium	5.0				
Tin	100				
Titanium	50				
Tungsten	100				
Vanadium	10				
Zinc	100				
Zirconium	50				

(*) Outside of QC limits

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M1.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA16045 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M1.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16045 Units: ug/l

Time:			11:45		11:50		15:19		15:24	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	530000	106.0	528000	105.6	519000	103.8	515000	103.0
Antimony		2000	1.3		2030	101.5	1.2		1980	99.0
Arsenic		2000	1.5		2010	100.5	-1.6		1960	98.0
Barium		500	1.8		508	101.6	2.0		496	99.2
Beryllium		500	0.10		473	94.6	0.10		470	94.0
Boron		1000	1.6		973	97.3	0.60		959	95.9
Cadmium		1000	1.1		1020	102.0	0.90		1010	101.0
Calcium	500000	500000	462000	92.4	458000	91.6	456000	91.2	450000	90.0
Chromium		500	-0.30		483	96.6	0.20		486	97.2
Cobalt		500	1.5		468	93.6	1.7		462	92.4
Copper		500	1.1		515	103.0	0.40		517	103.4
Gold		500	-36		463	92.6	-32		462	92.4
Iron	200000	200000	182000	91.0	180000	90.0	177000	88.5	175000	87.5
Lead		1000	-0.30		877	87.7	-0.80		859	85.9
Magnesium	500000	500000	537000	107.4	536000	107.2	539000	107.8	531000	106.2
Manganese		500	0.70		495	99.0	1.0		503	100.6
Molybdenum		1000	-1.3		933	93.3	-1.3		917	91.7
Nickel		1000	-2.5		843	84.3	-2.0		818	81.8
Palladium		500	-13		525	105.0	-14		517	103.4
Platinum		500	-20		482	96.4	-24		484	96.8
Potassium			47.7		44.5		23.0		24.3	
Selenium		2000	-5.4		1980	99.0	-5.5		1920	96.0
Silicon		2000	34.6		2030	101.5	30.0		1970	98.5
Silver		1000	0.90		1080	108.0	0.90		1080	108.0
Sodium			134		138		414		425	
Strontium		1000	0.80		969	96.9	0.90		956	95.6
Thallium		2000	-0.10		1830	91.5	-0.60		1810	90.5
Tin		1000	0.20		946	94.6	0.40		913	91.3
Titanium		500	8.0		510	102.0	7.8		512	102.4
Tungsten		2000	-18		1890	94.5	-25		1950	97.5
Vanadium		500	0.20		503	100.6	0.40		517	103.4
Zinc		1000	-2.8		888	88.8	-2.7		874	87.4
Zirconium		500	6.6		436	87.2	7.0		429	85.8

(*) Outside of QC limits

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M1.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16045 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16047
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:35	MA16047-STD1	1		STD1
16:39	MA16047-STD2	1		STD2
16:44	MA16047-STD3	1		STD3
16:48	MA16047-STD4	1		STD4
16:52	MA16047-ICV1	1		
16:57	MA16047-ICB1	1		
17:02	MA16047-CCV1	1		
17:09	MA16047-CCB1	1		
17:15	MA16047-CRI1	1		
17:19	MA16047-ICSA1	1		
17:23	MA16047-ICSAB1	1		
17:28	MP21578-B1	1		
17:32	MP21578-MB1	1		
17:36	MP21578-S1	1		
17:40	MP21578-S2	1		
17:45	MC23921-8F	1		(sample used for QC only; not part of login MC23948)
17:49	MP21578-SD1	5		
17:53	MP21578-B2	1		
17:58	MA16047-CCV2	1		
18:02	MA16047-CCB2	1		
18:06	ZZZZZZ	1		
18:11	ZZZZZZ	1		
18:15	ZZZZZZ	1		
18:19	ZZZZZZ	1		
18:24	ZZZZZZ	1		
18:28	ZZZZZZ	1		
18:32	ZZZZZZ	1		
18:37	ZZZZZZ	1		
18:41	ZZZZZZ	1		
18:45	ZZZZZZ	1		
18:50	MA16047-CCV3	1		
18:54	MA16047-CCB3	1		
18:58	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16047
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:03	ZZZZZZ	1		
19:07	ZZZZZZ	1		
19:11	ZZZZZZ	1		
19:16	ZZZZZZ	1		
19:20	ZZZZZZ	1		
19:25	ZZZZZZ	1		
19:29	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:38	MA16047-CCV4	1		CR, CU, AG & V: HIGH RSD.
19:42	MA16047-CCB4	1		
19:46	MA16047-CRI2	1		
19:51	MA16047-CRIA1	1		
19:55	ZZZZZZ	1		
20:00	ZZZZZZ	1		
20:04	ZZZZZZ	1		
20:08	ZZZZZZ	1		
20:13	ZZZZZZ	1		
20:17	ZZZZZZ	1		
20:22	ZZZZZZ	1		
20:26	ZZZZZZ	1		
20:30	MA16047-CCV5	1		
20:35	MA16047-CCB5	1		
20:39	ZZZZZZ	1		
20:43	ZZZZZZ	1		
20:48	ZZZZZZ	1		
20:52	ZZZZZZ	1		
20:56	MC23948-3	1		BA HIGH RSD.
21:01	MC23948-4	1		
---------->	Last reportable sample/prep for job MC23948			
21:05	ZZZZZZ	1		
21:10	MA16047-CCV6	1		
21:14	MA16047-CCB6	1		
21:18	MA16047-CRIA2	1		
21:22	MA16047-ICSA2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16047
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:27	MA16047-ICSAB2	1		
21:31	MA16047-CCV7	1		
21:35	MA16047-CCB7	1		

----------> Last reportable CCB for job MC23948
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16047
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
16:35	MA16047-STD1	2362 R	69983 R	7394 R
16:39	MA16047-STD2	2358	69629	7371
16:44	MA16047-STD3			7593
16:48	MA16047-STD4	2388	69610	7385
16:52	MA16047-ICV1	2376	68795	7448
16:57	MA16047-ICB1	2406	70045	7595
17:02	MA16047-CCV1	2404	69423	7432
17:09	MA16047-CCB1	2414	69467	7271
17:15	MA16047-CRI1	2421	70898	7468
17:19	MA16047-ICSA1	2208	65443	7524
17:23	MA16047-ICSAB1	2208	65535	7326
17:28	MP21578-B1	2381	71013	7580
17:32	MP21578-MB1	2392	71187	7700
17:36	MP21578-S1	2345	70550	7682
17:40	MP21578-S2	2340	70828	7560
17:45	MC23921-8F	2359	71192	7785
17:49	MP21578-SD1	2376	71484	7743
17:53	MP21578-B2	2349	71100	7671
17:58	MA16047-CCV2	2366	71470	7697
18:02	MA16047-CCB2	2362	71815	7677
18:06	ZZZZZZ	2324	71627	7557
18:11	ZZZZZZ	2345	71414	7625
18:15	ZZZZZZ	2316	71217	7700
18:19	ZZZZZZ	2272	69923	7468
18:24	ZZZZZZ	2262	69967	7582
18:28	ZZZZZZ	2255	70378	7598
18:32	ZZZZZZ	2281	69860	7571
18:37	ZZZZZZ	2247	70110	7547
18:41	ZZZZZZ	2320	71213	7648
18:45	ZZZZZZ	2269	70317	7669
18:50	MA16047-CCV3	2358	71769	7672
18:54	MA16047-CCB3	2360	71906	7622
18:58	ZZZZZZ	2276	70461	7666

INTERNAL STANDARD SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16047
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
19:03	ZZZZZZ	2287	71366	7698
19:07	ZZZZZZ	2297	71003	7705
19:11	ZZZZZZ	2297	71002	7666
19:16	ZZZZZZ	2250	70007	7662
19:20	ZZZZZZ	2322	70926	7603
19:25	ZZZZZZ	2256	70107	7629
19:29	ZZZZZZ	2300	70538	7533
19:33	ZZZZZZ	2307	70812	7623
19:38	MA16047-CCV4	2351	73265	7446
19:42	MA16047-CCB4	2363	71872	7526
19:46	MA16047-CRI2	2359	72117	7631
19:51	MA16047-CRIA1	2363	72141	7558
19:55	ZZZZZZ	2465	77105	8383
20:00	ZZZZZZ	2291	71625	7937
20:04	ZZZZZZ	2284	72217	7984
20:08	ZZZZZZ	2513	77642	8512
20:13	ZZZZZZ	2312	72372	7954
20:17	ZZZZZZ	2641	82473	9167
20:22	ZZZZZZ	2289	71424	7824
20:26	ZZZZZZ	2392	74370	8173
20:30	MA16047-CCV5	2361	71579	7576
20:35	MA16047-CCB5	2364	71498	7622
20:39	ZZZZZZ	2537	78660	8514
20:43	ZZZZZZ	2457	76308	8252
20:48	ZZZZZZ	2538	76907	8323
20:52	ZZZZZZ	2594	79166	8552
20:56	MC23948-3	2547	77831	8040
21:01	MC23948-4	2295	72632	7848
21:05	ZZZZZZ	2547	77421	8195
21:10	MA16047-CCV6	2364	71697	7656
21:14	MA16047-CCB6	2366	71867	7562
21:18	MA16047-CRIA2	2372	70837	7578
21:22	MA16047-ICSA2	2181	66420	7415

INTERNAL STANDARD SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16047
Parameters: As,Ba,Cd,Cr,Cu,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
21:27	MA16047-ICSAB2	2178	66410	7392
21:31	MA16047-CCV7	2381	71732	7580
21:35	MA16047-CCB7	2389	71353	7313

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16047 Units: ug/l

Time: / Sample ID:			16:57 ICB1		17:09 CCB1		18:02 CCB2		18:54 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12								
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.7	1.1	<4.0	0.40	<4.0	0.80	<4.0	0.50	<4.0
Barium	50	.32	0.60	<50	0.40	<50	0.40	<50	0.30	<50
Beryllium	4.0	.1	anr							
Boron	100	1.1								
Cadmium	4.0	.25	0.10	<4.0	0.10	<4.0	0.10	<4.0	0.0	<4.0
Calcium	5000	21								
Chromium	10	.48	0.20	<10	-0.20	<10	-0.30	<10	-0.30	<10
Cobalt	50	.29								
Copper	25	.93	-0.10	<25	0.20	<25	1.1	<25	1.0	<25
Gold	50	1.5								
Iron	100	3.5								
Lead	5.0	1.2	-0.30	<5.0	0.0	<5.0	0.40	<5.0	0.50	<5.0
Magnesium	5000	30								
Manganese	15	.16								
Molybdenum	100	.31								
Nickel	40	.45	anr							
Palladium	50	2.2								
Platinum	50	6.4								
Potassium	5000	54								
Selenium	10	1.7	1.3	<10	0.80	<10	0.60	<10	0.50	<10
Silicon	100	2								
Silver	5.0	.81	0.30	<5.0	0.30	<5.0	0.80	<5.0	0.90	<5.0
Sodium	5000	16								
Strontium	10	.12								
Thallium	5.0	1.2	anr							
Tin	100	.87								
Titanium	50	.66								
Tungsten	100	9.3								
Vanadium	10	.82	anr							
Zinc	20	.45	anr							
Zirconium	50	.45								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16047 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16047 Units: ug/l

Time: / Sample ID:			19:42 CCB4		20:35 CCB5		21:14 CCB6		21:35 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12								
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.7	1.0	<4.0	1.0	<4.0	0.90	<4.0	0.70	<4.0
Barium	50	.32	0.30	<50	0.50	<50	0.30	<50	0.20	<50
Beryllium	4.0	.1	anr							
Boron	100	1.1								
Cadmium	4.0	.25	0.10	<4.0	0.10	<4.0	0.0	<4.0	0.20	<4.0
Calcium	5000	21								
Chromium	10	.48	-0.10	<10	0.0	<10	-0.30	<10	0.10	<10
Cobalt	50	.29								
Copper	25	.93	1.0	<25	0.50	<25	0.60	<25	0.90	<25
Gold	50	1.5								
Iron	100	3.5								
Lead	5.0	1.2	0.70	<5.0	0.60	<5.0	-0.10	<5.0	0.90	<5.0
Magnesium	5000	30								
Manganese	15	.16								
Molybdenum	100	.31								
Nickel	40	.45	anr							
Palladium	50	2.2								
Platinum	50	6.4								
Potassium	5000	54								
Selenium	10	1.7	1.1	<10	0.60	<10	0.70	<10	0.30	<10
Silicon	100	2								
Silver	5.0	.81	0.70	<5.0	0.60	<5.0	0.90	<5.0	0.50	<5.0
Sodium	5000	16								
Strontium	10	.12								
Thallium	5.0	1.2	anr							
Tin	100	.87								
Titanium	50	.66								
Tungsten	100	9.3								
Vanadium	10	.82	anr							
Zinc	20	.45	anr							
Zirconium	50	.45								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16047 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16047 Units: ug/l

Time:		16:52			17:02			17:58	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	3000	3030	101.0	2000	1960	98.0	2000	2010	100.5
Barium	3000	3070	102.3	2000	1950	97.5	2000	1910	95.5
Beryllium	anr								
Boron									
Cadmium	3000	3010	100.3	2000	1970	98.5	2000	1980	99.0
Calcium									
Chromium	3000	3100	103.3	2000	2010	100.5	2000	1950	97.5
Cobalt									
Copper	3000	2980	99.3	2000	2000	100.0	2000	1960	98.0
Gold									
Iron									
Lead	3000	2900	96.7	2000	1920	96.0	2000	1980	99.0
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	3000	3000	100.0	2000	1960	98.0	2000	2050	102.5
Silicon									
Silver	500	518	103.6	250	252	100.8	250	243	97.2
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16047 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16047 Units: ug/l

Time:		18:50			19:38			20:30	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	2000	2020	101.0	2000	2030	101.5	2000	2010	100.5
Barium	2000	1930	96.5	2000	1960	98.0	2000	1920	96.0
Beryllium	anr								
Boron									
Cadmium	2000	1980	99.0	2000	1990	99.5	2000	1990	99.5
Calcium									
Chromium	2000	1940	97.0	2000	1900	95.0	2000	1960	98.0
Cobalt									
Copper	2000	1950	97.5	2000	1900	95.0	2000	1960	98.0
Gold									
Iron									
Lead	2000	1980	99.0	2000	1990	99.5	2000	1980	99.0
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	2000	2040	102.0	2000	2050	102.5	2000	2040	102.0
Silicon									
Silver	250	240	96.0	250	237	94.8	250	244	97.6
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16047 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16047 Units: ug/l

Time:		21:10			21:31	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	2000	2020	101.0	2000	2010	100.5
Barium	2000	1920	96.0	2000	1930	96.5
Beryllium	anr					
Boron						
Cadmium	2000	2000	100.0	2000	1980	99.0
Calcium						
Chromium	2000	1960	98.0	2000	1960	98.0
Cobalt						
Copper	2000	1950	97.5	2000	1960	98.0
Gold						
Iron						
Lead	2000	1990	99.5	2000	1980	99.0
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Palladium						
Platinum						
Potassium						
Selenium	2000	2050	102.5	2000	2030	101.5
Silicon						
Silver	250	243	97.2	250	244	97.6
Sodium						
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					
Zirconium						

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16047 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16047 Units: ug/l

Time: / Sample ID: / Metal	CRI True	CRIA True	17:15 CRI1 Results	% Rec	19:46 CRI2 Results	% Rec	19:51 CRIA1 Results	% Rec	21:18 CRIA2 Results	% Rec
Aluminum	200	200								
Antimony	6.0	10	anr							
Arsenic	4.0	10	5.0	125.0	4.0	100.0	11.3	113.0	11.3	113.0
Barium	50	50	51.0	102.0	50.7	101.4	50.7	101.4	50.1	100.2
Beryllium	4.0	4.0	anr							
Boron	100	100								
Cadmium	4.0	4.0	4.1	102.5	4.3	107.5	4.2	105.0	4.3	107.5
Calcium	5000	5000								
Chromium	10	10	10.1	101.0	10.1	101.0	10.3	103.0	10.4	104.0
Cobalt	50	50								
Copper	25	25	24.5	98.0	25.9	103.6	25.7	102.8	25.5	102.0
Gold	50	50								
Iron	100	100								
Lead	5.0	10	5.6	112.0	5.8	116.0	10.8	108.0	11.0	110.0
Magnesium	5000	5000								
Manganese	15	15								
Molybdenum	100	100								
Nickel	40	40	anr							
Palladium	50	50								
Platinum	50	50								
Potassium	5000	5000								
Selenium	10	10	11.1	111.0	11.9	119.0	11.0	110.0	10.7	107.0
Silicon	100	100								
Silver	5.0	5.0	5.1	102.0	5.5	110.0	5.8	116.0	5.5	110.0
Sodium	5000	5000								
Strontium	10	10								
Thallium	5.0	10	anr							
Tin	100	100								
Titanium	50	50								
Tungsten	100	100								
Vanadium	10	10	anr							
Zinc	20	20	anr							
Zirconium	50	50								

(*) Outside of QC limits

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16047 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16047 Units: ug/l

Time:			17:19		17:23		21:22		21:27	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	533000	106.6	540000	108.0	532000	106.4	542000	108.4
Antimony		2000	1.1		2080	104.0	0.40		2110	105.5
Arsenic		2000	0.0		2060	103.0	-0.80		2080	104.0
Barium		500	-0.60		501	100.2	-0.90		503	100.6
Beryllium		500	0.30		471	94.2	0.20		464	92.8
Boron		1000	3.0		1000	100.0	1.7		1010	101.0
Cadmium		1000	0.10		1030	103.0	0.10		1040	104.0
Calcium	500000	500000	455000	91.0	471000	94.2	465000	93.0	464000	92.8
Chromium		500	-0.70		486	97.2	-0.60		482	96.4
Cobalt		500	1.3		486	97.2	1.6		491	98.2
Copper		500	-0.20		509	101.8	0.10		503	100.6
Gold		500	-9.5		487	97.4	-10		478	95.6
Iron	200000	200000	189000	94.5	192000	96.0	189000	94.5	193000	96.5
Lead		1000	0.90		904	90.4	-0.30		917	91.7
Magnesium	500000	500000	495000	99.0	503000	100.6	504000	100.8	512000	102.4
Manganese		500	-0.10		493	98.6	-0.40		480	96.0
Molybdenum		1000	-0.40		967	96.7	-0.60		979	97.9
Nickel		1000	-0.90		882	88.2	-1.1		903	90.3
Palladium		500	-27		503	100.6	-27		502	100.4
Platinum		500	-20		486	97.2	-25		472	94.4
Potassium			77.2		64.2		118		101	
Selenium		2000	-1.4		2060	103.0	-2.7		2090	104.5
Silicon		2000	45.4		2140	107.0	48.7		2190	109.5
Silver		1000	0.40		1040	104.0	1.2		1030	103.0
Sodium			122		132		5.5		18.2	
Strontium		1000	1.1		977	97.7	0.80		968	96.8
Thallium		2000	0.20		1900	95.0	-0.30		1910	95.5
Tin		1000	-0.60		984	98.4	-0.90		1020	102.0
Titanium		500	8.5		501	100.2	8.5		499	99.8
Tungsten		2000	-30		1850	92.5	-38		1800	90.0
Vanadium		500	0.20		498	99.6	-0.30		491	98.2
Zinc		1000	-1.6		917	91.7	-1.7		926	92.6
Zirconium		500	-0.10		423	84.6	-0.50		416	83.2

(*) Outside of QC limits

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090313M2.ICP Date Analyzed: 09/03/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16047 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2090513S1.PRN Date Analyzed: 09/05/13 Methods: SW846 7471B
Analyst: EM Run ID: MA16048
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:39	MA16048-STD1	1		STD01REP1
08:42	MA16048-STD2	1		STD02REP1
08:44	MA16048-STD3	1		STD03REP1
08:47	MA16048-STD4	1		STD04REP1
08:49	MA16048-STD5	1		STD05REP1
08:52	MA16048-STD6	1		STD06REP1
08:54	MA16048-STD7	1		STD07REP1
08:57	MA16048-STD8	1		STD08REP1
08:59	MA16048-STD9	1		STD09REP1
09:03	MA16048-ICV1	1		
09:06	MA16048-ICB1	1		
09:08	MA16048-CCV1	1		
09:11	MA16048-CCB1	1		
09:13	MA16048-CRI1	1		
09:16	ZZZZZZ	1		
09:18	ZZZZZZ	1		DNR: SEE RERUN.
09:20	MP21586-MB1	1		
09:23	MP21586-B1	1		
09:25	MP21586-B2	1		
09:28	MP21586-S1	1		
09:30	MP21586-S2	1		
09:33	MC23926-4	1		(sample used for QC only; not part of login MC23948)
09:35	MP21586-LC1	10		
09:37	MA16048-CCV2	1		
09:40	MA16048-CCB2	1		
09:42	ZZZZZZ	1		
09:45	ZZZZZZ	1		
09:47	ZZZZZZ	1		
09:50	ZZZZZZ	1		
09:52	ZZZZZZ	1		
09:55	ZZZZZZ	1		
09:57	ZZZZZZ	1		
10:00	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2090513S1.PRN Date Analyzed: 09/05/13 Methods: SW846 7471B
Analyst: EM Run ID: MA16048
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:02	ZZZZZZ	1		
10:05	ZZZZZZ	1		
10:08	MA16048-CCV3	1		
10:10	MA16048-CCB3	1		
10:13	ZZZZZZ	1		
10:15	ZZZZZZ	1		
10:18	MC23948-3	1		
10:20	MC23948-4	1		
---------->	Last reportable sample/prep for job MC23948			
10:23	ZZZZZZ	1		
10:26	ZZZZZZ	1		
10:28	ZZZZZZ	1		
10:30	ZZZZZZ	1		
10:34	MA16048-CRI2	1		
10:36	MA16048-CCV4	1		
10:40	MA16048-CCB4	1		
---------->	Last reportable CCB for job MC23948			
	Refer to raw data for calibration curve and standards.			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2090513S1.PRN Date Analyzed: 09/05/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA16048 Units: ug/l

Time:			09:06		09:11		09:40		10:10	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.018	-0.039	<0.20	-0.014	<0.20	-0.027	<0.20	-0.020	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2090513S1.PRN Date Analyzed: 09/05/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA16048 Units: ug/l

Time:			10:40	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Mercury	0.20	.018	-0.020	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

8.3.1
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2090513S1.PRN Date Analyzed: 09/05/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA16048 Units: ug/l

Time:		09:03			09:08			09:37	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	4	3.9	97.5	3.0	3.0	100.0	3	3.1	103.3

(*) Outside of QC limits
(anr) Analyte not requested

8.3.2
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2090513S1.PRN Date Analyzed: 09/05/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA16048 Units: ug/l

Time:		10:08			10:36	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.3	110.0	3	3.2	106.7

(*) Outside of QC limits
(anr) Analyte not requested

8.3.2
8

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2090513S1.PRN Date Analyzed: 09/05/13 Methods: SW846 7471B
QC Limits: 80 to 120 % Recovery Run ID: MA16048 Units: ug/l

Time:			09:13		10:34	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.19	95.0	0.19	95.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090413M1.ICP Date Analyzed: 09/04/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16049
Parameters: Ba

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:19	MA16049-STD1	1		STD1
10:24	MA16049-STD2	1		STD2
10:28	MA16049-STD3	1		STD3
10:32	MA16049-STD4	1		STD4
10:37	MA16049-ICV1	1		
10:45	MA16049-ICB1	1		
10:50	MA16049-CCV1	1		
10:54	MA16049-CCB1	1		
11:02	MA16049-CRI1	1		
11:06	MA16049-CRIA1	1		
11:11	MA16049-ICSA1	1		
11:15	MA16049-ICSAB1	1		
11:19	ZZZZZZ	1		
11:24	ZZZZZZ	1		
11:28	ZZZZZZ	1		
11:32	ZZZZZZ	1		
11:37	ZZZZZZ	1		
11:41	ZZZZZZ	1		
11:45	MA16049-CCV2	1		
11:50	MA16049-CCB2	1		
11:54	ZZZZZZ	1		
11:58	ZZZZZZ	1		
12:03	ZZZZZZ	1		
12:07	ZZZZZZ	1		
12:12	ZZZZZZ	1		
12:16	ZZZZZZ	1		
12:20	ZZZZZZ	1		
12:25	ZZZZZZ	1		
12:29	MC23948-3	1		
---------->	Last reportable sample/prep for job MC23948			
12:34	MA16049-CCV3	1		
12:38	MA16049-CCB3	1		
12:42	MA16049-CRI2	1		
12:46	MA16049-CRIA2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090413M1.ICP Date Analyzed: 09/04/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16049
Parameters: Ba

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:51	MA16049-ICSA2	1		
12:55	MA16049-ICSAB2	1		
12:59	MA16049-CCV4	1		
13:04	MA16049-CCB4	1		

----------> Last reportable CCB for job MC23948
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090413M1.ICP Date Analyzed: 09/04/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16049
Parameters: Ba

Time	Sample Description	Istd#1	Istd#2	Istd#3
10:19	MA16049-STD1	2310 R	73819 R	7214 R
10:24	MA16049-STD2	2295	74052	7226
10:28	MA16049-STD3			7288
10:32	MA16049-STD4	2315	74296	7280
10:37	MA16049-ICV1	2288	73555	7328
10:45	MA16049-ICB1	2297	74257	7302
10:50	MA16049-CCV1	2290	73518	7305
10:54	MA16049-CCB1	2292	73158	7341
11:02	MA16049-CRI1	2281	73859	7267
11:06	MA16049-CRIA1	2287	73528	7237
11:11	MA16049-ICSA1	2096	68385	7100
11:15	MA16049-ICSAB1	2097	67999	6889
11:19	ZZZZZZ	2219	71858	7323
11:24	ZZZZZZ	2245	74649	7062
11:28	ZZZZZZ	2260	72508	7090
11:32	ZZZZZZ	2228	72122	7002
11:37	ZZZZZZ	2295	72665	7180
11:41	ZZZZZZ	2305	71872	7333
11:45	MA16049-CCV2	2359	73026	7156
11:50	MA16049-CCB2	2369	73089	7083
11:54	ZZZZZZ	2469	78071	7889
11:58	ZZZZZZ	2320	73257	7408
12:03	ZZZZZZ	2302	72804	7491
12:07	ZZZZZZ	2549	79498	8007
12:12	ZZZZZZ	2323	73648	7506
12:16	ZZZZZZ	2690	83850	8627
12:20	ZZZZZZ	2307	72381	7339
12:25	ZZZZZZ	2450	76814	7755
12:29	MC23948-3	2571	80046	8109
12:34	MA16049-CCV3	2354	72313	7172
12:38	MA16049-CCB3	2391	74139	7249
12:42	MA16049-CRI2	2358	72992	7212
12:46	MA16049-CRIA2	2356	72532	7160

INTERNAL STANDARD SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090413M1.ICP Date Analyzed: 09/04/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16049
Parameters: Ba

Time	Sample Description	Istd#1	Istd#2	Istd#3
12:51	MA16049-ICSA2	2152	67989	7124
12:55	MA16049-ICSAB2	2165	67934	6886
12:59	MA16049-CCV4	2345	71470	7203
13:04	MA16049-CCB4	2369	73795	7084

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090413M1.ICP Date Analyzed: 09/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16049 Units: ug/l

Time: / Sample ID:			10:45 ICB1		10:54 CCB1		11:50 CCB2		12:38 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12								
Antimony	6.0	1.1								
Arsenic	4.0	1.7								
Barium	50	.32	0.10	<50	0.0	<50	0.10	<50	0.20	<50
Beryllium	4.0	.1								
Boron	100	1.1								
Cadmium	4.0	.25								
Calcium	5000	21								
Chromium	10	.48	anr							
Cobalt	50	.29								
Copper	25	.93	anr							
Gold	50	1.5								
Iron	100	3.5								
Lead	5.0	1.2								
Magnesium	5000	30								
Manganese	15	.16								
Molybdenum	100	.31								
Nickel	40	.45								
Palladium	50	2.2								
Platinum	50	6.4								
Potassium	5000	54								
Selenium	10	1.7								
Silicon	100	2								
Silver	5.0	.81	anr							
Sodium	5000	16								
Strontium	10	.12								
Thallium	5.0	1.2								
Tin	100	.87								
Titanium	50	.66								
Tungsten	100	9.3								
Vanadium	10	.82	anr							
Zinc	20	.45								
Zirconium	50	.45								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090413M1.ICP Date Analyzed: 09/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16049 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090413M1.ICP Date Analyzed: 09/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16049 Units: ug/l

Time:			13:04	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Aluminum	200	12		
Antimony	6.0	1.1		
Arsenic	4.0	1.7		
Barium	50	.32	0.20	<50
Beryllium	4.0	.1		
Boron	100	1.1		
Cadmium	4.0	.25		
Calcium	5000	21		
Chromium	10	.48	anr	
Cobalt	50	.29		
Copper	25	.93	anr	
Gold	50	1.5		
Iron	100	3.5		
Lead	5.0	1.2		
Magnesium	5000	30		
Manganese	15	.16		
Molybdenum	100	.31		
Nickel	40	.45		
Palladium	50	2.2		
Platinum	50	6.4		
Potassium	5000	54		
Selenium	10	1.7		
Silicon	100	2		
Silver	5.0	.81	anr	
Sodium	5000	16		
Strontium	10	.12		
Thallium	5.0	1.2		
Tin	100	.87		
Titanium	50	.66		
Tungsten	100	9.3		
Vanadium	10	.82	anr	
Zinc	20	.45		
Zirconium	50	.45		

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090413M1.ICP Date Analyzed: 09/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16049 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090413M1.ICP Date Analyzed: 09/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16049 Units: ug/l

Time:		10:37			10:50			11:45	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic									
Barium	3000	3060	102.0	2000	1970	98.5	2000	1970	98.5
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Gold									
Iron									
Lead									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Palladium									
Platinum									
Potassium									
Selenium									
Silicon									
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc									
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090413M1.ICP Date Analyzed: 09/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16049 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090413M1.ICP Date Analyzed: 09/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16049 Units: ug/l

Time:		12:34			12:59	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony						
Arsenic						
Barium	2000	1970	98.5	2000	1970	98.5
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Gold						
Iron						
Lead						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Palladium						
Platinum						
Potassium						
Selenium						
Silicon						
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc						
Zirconium						

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090413M1.ICP Date Analyzed: 09/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16049 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090413M1.ICP Date Analyzed: 09/04/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16049 Units: ug/l

Time: / Sample ID: / Metal	CRI True	CRIA True	11:02 CRI1 Results	% Rec	11:06 CRIA1 Results	% Rec	12:42 CRI2 Results	% Rec	12:46 CRIA2 Results	% Rec
Aluminum	200	200								
Antimony	6.0	10								
Arsenic	4.0	10								
Barium	50	50	51.9	103.8	51.2	102.4	51.9	103.8	51.3	102.6
Beryllium	4.0	4.0								
Boron	100	100								
Cadmium	4.0	4.0								
Calcium	5000	5000								
Chromium	10	10	anr							
Cobalt	50	50								
Copper	25	25	anr							
Gold	50	50								
Iron	100	100								
Lead	5.0	10								
Magnesium	5000	5000								
Manganese	15	15								
Molybdenum	100	100								
Nickel	40	40								
Palladium	50	50								
Platinum	50	50								
Potassium	5000	5000								
Selenium	10	10								
Silicon	100	100								
Silver	5.0	5.0	anr							
Sodium	5000	5000								
Strontium	10	10								
Thallium	5.0	10								
Tin	100	100								
Titanium	50	50								
Tungsten	100	100								
Vanadium	10	10	anr							
Zinc	20	20								
Zirconium	50	50								

(*) Outside of QC limits

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090413M1.ICP Date Analyzed: 09/04/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16049 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090413M1.ICP Date Analyzed: 09/04/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16049 Units: ug/l

Time:			11:11		11:15		12:51		12:55	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	533000	106.6	539000	107.8	524000	104.8	535000	107.0
Antimony		2000	1.0		2070	103.5	0.30		2020	101.0
Arsenic		2000	0.40		2040	102.0	-1.6		2010	100.5
Barium		500	-1.1		520	104.0	-1.0		518	103.6
Beryllium		500	0.30		480	96.0	0.20		491	98.2
Boron		1000	2.6		998	99.8	1.5		994	99.4
Cadmium		1000	0.50		1040	104.0	0.30		1030	103.0
Calcium	500000	500000	462000H	92.4	465000H	93.0	456000H	91.2	462000H	92.4
Chromium		500	-0.50		490	98.0	-0.40		493	98.6
Cobalt		500	1.1		483	96.6	1.1		477	95.4
Copper		500	1.1		514	102.8	0.30		523	104.6
Gold		500	-0.30		497	99.4	2.8		504	100.8
Iron	200000	200000	188000	94.0	192000	96.0	185000	92.5	189000	94.5
Lead		1000	0.30		894	89.4	-0.40		882	88.2
Magnesium	500000	500000	503000	100.6	510000	102.0	487000	97.4	497000	99.4
Manganese		500	-0.20		493	98.6	0.0		510	102.0
Molybdenum		1000	-0.50		962	96.2	-0.60		948	94.8
Nickel		1000	-1.7		880	88.0	-1.3		851	85.1
Palladium		500	-51		481	96.2	-47		501	100.2
Platinum		500	-22		471	94.2	-22		473	94.6
Potassium			86.2		57.6		94.0		100	
Selenium		2000	-1.6		2020	101.0	-1.1		1980	99.0
Silicon		2000	45.7		2120	106.0	40.3		2050	102.5
Silver		1000	0.60		1060	106.0	0.80		1080	108.0
Sodium			73.1		79.4		103		89.2	
Strontium		1000	1.3		1000	100.0	1.6		1010	101.0
Thallium		2000	-0.80		1890	94.5	-1.5		1880	94.0
Tin		1000	0.70		972	97.2	0.80		980	98.0
Titanium		500	8.6		508	101.6	8.4		510	102.0
Tungsten		2000	-37		1890	94.5	-42		1910	95.5
Vanadium		500	-0.30		502	100.4	0.20		510	102.0
Zinc		1000	-1.7		913	91.3	-1.6		908	90.8
Zirconium		500	0.10		425	85.0	-0.20		423	84.6

(*) Outside of QC limits

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090413M1.ICP Date Analyzed: 09/04/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16049 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21575
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 09/03/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.2	3.6		
Antimony	1.0	.11	.15		
Arsenic	1.0	.17	.21	-0.060	<1.0
Barium	5.0	.032	.073	0.080	<5.0
Beryllium	0.40	.01	.024		
Boron	10	.11	.11		
Cadmium	0.40	.025	.042	0.0	<0.40
Calcium	500	2.1	6.3		
Chromium	1.0	.048	.095	0.10	<1.0
Cobalt	5.0	.029	.047		
Copper	2.5	.093	.56	0.040	<2.5
Gold	5.0	.15	.43		
Iron	10	.35	.87		
Lead	1.0	.12	.17	0.0	<1.0
Magnesium	500	3	5.1		
Manganese	1.5	.016	.04		
Molybdenum	10	.031	.07		
Nickel	4.0	.045	.044		
Palladium	5.0	.22	.64		
Platinum	5.0	.64	1.5		
Potassium	500	5.4	8.6		
Selenium	1.0	.17	.35	-0.020	<1.0
Silicon	10	.2	3.3		
Silver	0.50	.081	.13	0.0	<0.50
Sodium	500	1.6	3.3		
Strontium	1.0	.012	.03		
Thallium	1.0	.12	.13		
Tin	10	.087	.14		
Titanium	5.0	.066	.14		
Tungsten	10	.93	.94		
Vanadium	1.0	.082	.13		
Zinc	2.0	.045	.16		
Zirconium	5.0	.045	.088		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21575
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21575: MC23948-3, MC23948-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21575
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 09/03/13

Metal	MC23894-10 Original	MS	Spikelot MPICP	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	2.9	50.6	46.1	103.6	75-125
Barium	10.0	185	184	95.0	75-125
Beryllium					
Boron					
Cadmium	0.11	46.5	46.1	100.7	75-125
Calcium					
Chromium	5.6	48.4	46.1	92.9	75-125
Cobalt					
Copper	6.3	52.3	46.1	99.9	75-125
Gold					
Iron					
Lead	2.5	84.9	92.1	89.5	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel					
Palladium					
Platinum					
Potassium					
Selenium	0.0	44.5	46.1	96.6	75-125
Silicon					
Silver	0.0	17.6	18.4	95.5	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc					
Zirconium					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21575
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21575: MC23948-3, MC23948-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21575
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 09/03/13

Metal	MC23894-10 Original	MSD	Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	2.9	53.0	46.5	107.8	4.6	20
Barium	10.0	188	186	95.8	1.6	20
Beryllium						
Boron						
Cadmium	0.11	47.0	46.5	100.9	1.1	20
Calcium						
Chromium	5.6	48.9	46.5	93.2	1.0	20
Cobalt						
Copper	6.3	50.4	46.5	94.9	3.7	20
Gold						
Iron						
Lead	2.5	87.6	92.9	91.6	3.1	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Palladium						
Platinum						
Potassium						
Selenium	0.0	45.0	46.5	96.9	1.1	20
Silicon						
Silver	0.0	18.3	18.6	98.5	3.9	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc						
Zirconium						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21575
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21575: MC23948-3, MC23948-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21575
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 09/03/13 09/03/13

Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum									
Antimony									
Arsenic	52.7	50	105.4	80-120	52.4	50	104.8	0.6	20
Barium	201	200	100.5	80-120	200	200	100.0	0.5	20
Beryllium									
Boron									
Cadmium	50.4	50	100.8	80-120	50.4	50	100.8	0.0	20
Calcium									
Chromium	49.0	50	98.0	80-120	53.5	50	107.0	8.8	20
Cobalt									
Copper	45.7	50	91.4	80-120	48.4	50	96.8	5.7	20
Gold									
Iron									
Lead	97.6	100	97.6	80-120	97.3	100	97.3	0.3	20
Magnesium									
Manganese									
Molybdenum									
Nickel									
Palladium									
Platinum									
Potassium									
Selenium	49.4	50	98.8	80-120	49.1	50	98.2	0.6	20
Silicon									
Silver	19.1	20	95.5	80-120	20.7	20	103.5	8.0	20
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc									
Zirconium									

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21575
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21575: MC23948-3, MC23948-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21575
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 09/03/13

Metal	LCS Result	Spikelot MPLCS78	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	87.8	94.5	92.9	82-117
Barium	159	166	95.8	83-116
Beryllium				
Boron				
Cadmium	58.3	59.9	97.3	84-116
Calcium				
Chromium	68.5	69.3	98.8	81-119
Cobalt				
Copper	73.1	78	93.7	84-116
Gold				
Iron				
Lead	81.1	91.7	88.4	82-118
Magnesium				
Manganese				
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium	151	159	95.0	79-121
Silicon				
Silver	32.2	33.9	95.0	66-134
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				
Zirconium				

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21575
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21575: MC23948-3, MC23948-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21575
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 09/03/13

Metal	MC23894-10 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	31.0	39.4	27.1 (a)	0-10
Barium	108	116	7.9	0-10
Beryllium				
Boron				
Cadmium	1.20	1.90	58.3 (a)	0-10
Calcium				
Chromium	60.5	67.1	10.9 (b)	0-10
Cobalt				
Copper	67.9	67.0	1.3	0-10
Gold				
Iron				
Lead	27.1	28.8	6.3	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				
Zirconium				

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21575
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Associated samples MP21575: MC23948-3, MC23948-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21586
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 09/04/13

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0029	.0097	-0.0093	<0.033

Associated samples MP21586: MC23948-3, MC23948-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21586
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 09/04/13

Metal	MC23926-4 Original	MS	Spikelot HGRWS1	% Rec	QC Limits
Mercury	0.093	0.61	0.484	106.9	80-120

Associated samples MP21586: MC23948-3, MC23948-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21586 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/04/13

Metal	MC23926-4 Original	MSD	Spikelot HGRWS1	% Rec	MSD RPD	QC Limit
Mercury	0.093	0.56	0.484	96.5	8.5	20

Associated samples MP21586: MC23948-3, MC23948-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21586
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 09/04/13 09/04/13

Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	0.48	0.5	96.0	80-120	0.48	0.5	96.0	0.0	30

Associated samples MP21586: MC23948-3, MC23948-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21586
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 09/04/13

Metal	LCS Result	Spikelot HGLCS78	% Rec	QC Limits
Mercury	4.0	4.05	98.8	72-128

Associated samples MP21586: MC23948-3, MC23948-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.6.3

8

New England ACCUTEST LABORATORIES

Metals Analysis

Raw Data

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 9/3/2013 10:28:32 Type: Cal
Method: Accutest -SS1 with S(v4) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0004	.0006	.0004	-.0001	.0018	.0086	.0001	.0040	.0027
Stddev	.0001	.0004	.0000	.0000	.0002	.0003	.0002	.0002	.0001
%RSD	13.45	80.83	6.362	31.93	10.96	3.034	137.1	5.773	2.998
#1	-.0004	.0002	.0004	-.0001	.0017	.0088	.0002	.0042	.0028
#2	-.0004	.0009	.0005	-.0001	.0020	.0084	.0000	.0039	.0027

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0004	.0000	.0050	.0002	.0029	-.0001	.0004	.0003	.0062
Stddev	.0001	.000	.0000	.0000	.0006	.0002	.0001	.0000	.0001
%RSD	16.19	322.6	.4017	20.28	18.93	284.6	27.38	11.23	2.331
#1	-.0003	.0000	.0050	.0002	.0025	.0001	.0004	.0003	.0063
#2	-.0004	.0000	.0050	.0001	.0033	-.0002	.0003	.0003	.0061

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0014	-.0010	.0001	.0000	.0053	-.0001	.0010	.0560	-.0001
Stddev	.0004	.0001	.0001	.0001	.0000	.0003	.0000	.0001	.0002
%RSD	29.66	13.65	57.45	409.8	.7941	548.6	4.567	.2634	191.9
#1	-.0017	-.0011	.0002	.0000	.0053	.0002	.0010	.0559	-.0003
#2	-.0011	-.0009	.0001	.0001	.0053	-.0003	.0010	.0562	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0055	-.0002	-.0014	.0000	.0000	.0006	.0205
Stddev	.0003	.0001	.0001	.000	.000	.0004	.0002
%RSD	4.647	34.23	8.371	43.04	72.21	67.02	.7776
#1	.0056	-.0003	-.0014	-.0001	.0000	.0003	.0206
#2	.0053	-.0002	-.0013	.0000	-.0001	.0009	.0204

◀ Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 9/3/2013 10:28:32 Type: Cal
Method: Accutest -SS1 with S(v4) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1374.6	58182.	8556.7
Stddev	5.8	75.	23.1
%RSD	.42424	.12861	.26981
#1	1378.7	58129.	8573.0
#2	1370.5	58235.	8540.4

◀ Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 9/3/2013 10:33:30 Type: Cal
Method: Accutest -SS1 with S(v4) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1453	.5582	2.475	17.79	12.56	10.65	8.676	.7059	1.973	3.990
Stddev	.0004	.0000	.002	.11	.06	.01	.006	.0026	.001	.015
%RSD	.2496	.0067	.0982	.6083	.5131	.0741	.0648	.3744	.0293	.3731
#1	.1455	.5582	2.473	17.71	12.51	10.64	8.672	.7078	1.972	4.000
#2	.1450	.5582	2.477	17.87	12.61	10.66	8.680	.7040	1.973	3.979

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8.184	6.572	2.597	1.890	.8252	1.126	7.067
Stddev	.016	.000	.005	.000	.0021	.002	.001
%RSD	.1904	.0068	.1841	.0194	.2546	.1744	.0071
#1	8.173	6.572	2.593	1.890	.8237	1.124	7.068
#2	8.195	6.572	2.600	1.889	.8266	1.127	7.067

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1358.9	57949.	8551.4
Stddev	2.1	191.	37.5
%RSD	.15294	.32990	.43895
#1	1360.3	57814.	8577.9
#2	1357.4	58085.	8524.9

◀ Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 9/3/2013 10:38:18 Type: Cal
Method: Accutest -SS1 with S(v4) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.234	1.812	1.122	.8052	.1393	2.418
Stddev	.005	.012	.006	.0033	.0006	.019
%RSD	.4280	.6738	.5526	.4153	.4408	.7790
#1	1.238	1.820	1.126	.8076	.1397	2.431
#2	1.230	1.803	1.118	.8028	.1389	2.404

Int. Std.	Y_3710
Units	Cts/S
Avg	8634.8
Stddev	32.4
%RSD	.37474
#1	8612.0
#2	8657.7

Zoom In Zoom Out

Sample Name: Std4 Acquired: 9/3/2013 10:43:12 Type: Cal
Method: Accutest -SS1 with S(v4) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	S_1820	Si2124	Sn1899	Sr4077	Ti3349	V_2924	W_2397
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2226	.4648	.0668	.7100	2.584	1.495	25.98	1.341	1.094	.0587
Stddev	.0007	.0010	.0003	.0029	.007	.004	.03	.002	.000	.0004
%RSD	.3188	.2081	.4712	.4144	.2672	.2471	.1110	.1414	.0340	.6024
#1	.2231	.4655	.0666	.7080	2.580	1.492	25.96	1.342	1.094	.0584
#2	.2221	.4641	.0670	.7121	2.589	1.498	26.00	1.339	1.094	.0589

Elem	Zr3391
Units	Cts/S
Avg	2.914
Stddev	.003
%RSD	.1093
#1	2.917
#2	2.912

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1368.9	57894.	8542.0
Stddev	2.3	13.	8.3
%RSD	.16628	.02324	.09669
#1	1370.6	57904.	8536.2
#2	1367.3	57885.	8547.9

Zoom In Zoom Out

Sample Name: ICV Acquired: 9/3/2013 10:48:07 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.5079	16.08	3.048	3.001	3.058	3.079	3.018	18.19	2.972
Stddev	.0020	.03	.005	.013	.003	.012	.004	.06	.005
%RSD	.3959	.1747	.1619	.4329	.1014	.3914	.1367	.3112	.1586
#1	.5093	16.06	3.045	3.011	3.055	3.070	3.015	18.15	2.969
#2	.5065	16.10	3.052	2.992	3.060	3.087	3.020	18.23	2.976

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	2.980	3.070	2.942	18.30	15.44	18.63	3.020	2.866	15.53
Stddev	.001	.013	.008	.01	.07	.21	.014	.004	.05
%RSD	.0418	.4238	.2763	.0586	.4540	1.109	.4543	.1496	.3343
#1	2.979	3.080	2.948	18.29	15.39	18.77	3.030	2.863	15.49
#2	2.981	3.061	2.936	18.31	15.49	18.48	3.010	2.869	15.56

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	2.875	2.912	3.012	3.011	F2.948	2.960	2.965	3.184	3.090
Stddev	.001	.001	.010	.009	.004	.001	.005	.002	.000
%RSD	.0332	.0380	.3339	.3012	.1518	.0440	.1822	.0562	.0019
#1	2.874	2.911	3.019	3.018	2.945	2.961	2.968	3.185	3.090
#2	2.876	2.912	3.005	3.005	2.951	2.959	2.961	3.183	3.090

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	3.033	3.038	2.972	2.990	2.969	2.912	3.101
Stddev	.009	.012	.003	.018	.002	.007	.011
%RSD	.2955	.3881	.0954	.6164	.0678	.2273	.3399
#1	3.026	3.046	2.970	3.003	2.967	2.907	3.109
#2	3.039	3.030	2.974	2.977	2.970	2.917	3.094

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1357.5	57364.	8548.4
Stddev	.7	231.	11.6
%RSD	.05377	.40263	.13558
#1	1357.0	57200.	8540.2
#2	1358.0	57527.	8556.5

Zoom In Zoom Out

Sample Name: ICB Acquired: 9/3/2013 11:12:00 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0001	-.0050	-.0006	.0003	.0001	.0000	.0000	-.0033
Stddev	.0002	.0050	.0001	.0009	.0003	.0002	.0001	.0039
%RSD	131.7	101.1	14.66	278.6	318.9	343.0	1757.	121.5
#1	.0003	-.0085	-.0005	-.0003	.0003	-.0001	.0000	-.0060
#2	.0000	-.0014	-.0007	.0010	-.0001	.0002	.0000	-.0005

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0000	.0000	.0009	.0000	.0034	-.0291	-.0177	.0001
Stddev	.000	.000	.0003	.0000	.0012	.0143	.0129	.0001
%RSD	329.8	256.1	34.99	176.4	35.46	49.12	73.21	44.67
#1	.0000	-.0001	.0012	.0000	.0042	-.0190	-.0085	.0001
#2	.0000	.0000	.0007	.0000	.0025	-.0391	-.0268	.0001

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0003	-.0052	-.0001	.0008	.0003	.0035	F-.0036	.0004
Stddev	.0001	.0010	.0000	.0006	.0006	.0038	.0001	.0005
%RSD	19.06	19.06	65.62	74.88	215.2	108.0	3.849	120.4
#1	.0003	-.0045	.0000	.0013	.0007	.0008	-.0037	.0007
#2	.0004	-.0059	-.0001	.0004	-.0001	.0062	-.0035	.0001

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	-.0006	-.0032	.0003	.0000	.0006	.0003	-.0004	.0062
Stddev	.0020	.0000	.0001	.000	.0001	.0012	.0001	.0007
%RSD	340.6	.3692	34.25	162.0	11.43	437.5	28.99	11.21
#1	.0008	-.0032	.0002	.0000	.0006	.0011	-.0003	.0066
#2	-.0020	-.0033	.0004	.0000	.0007	-.0006	-.0005	.0057

Elem	Zn2062	Zr3391
Avg	-.0003	.0003
Stddev	.0001	.0000
%RSD	44.21	6.722
#1	-.0002	.0003
#2	-.0004	.0003

Zoom In Zoom Out

Sample Name: ICB Acquired: 9/3/2013 11:12:00 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1376.7	56967.	8408.1
Stddev	4.4	201.	195.1
%RSD	.32005	.35349	2.3207
#1	1373.6	56825.	8270.1
#2	1379.8	57110.	8546.1

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/3/2013 11:16:56 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.2537	9.914	1.952	-.0112	1.971	1.980	2.017	10.11
Stddev	.0000	.042	.004	.0001	.001	.004	.003	.01
%RSD	.0080	.4242	.2185	1.111	.0710	.2024	.1646	.0862
#1	.2537	9.884	1.955	-.0113	1.970	1.977	2.015	10.10
#2	.2537	9.944	1.949	-.0111	1.972	1.982	2.020	10.12

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	1.972	2.042	2.004	1.971	10.02	10.02	10.10	2.021
Stddev	.001	.000	.001	.002	.05	.08	.01	.005
%RSD	.0259	.0122	.0292	.1143	.5054	.8327	.1128	.2535
#1	1.972	2.041	2.003	1.972	9.988	9.964	10.11	2.024
#2	1.971	2.042	2.004	1.969	10.06	10.08	10.09	2.017

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	1.951	9.971	1.932	1.950	.0022	.0095	F-.0058	1.962
Stddev	.002	.008	.003	.003	.0010	.0012	.0001	.002
%RSD	.0988	.0789	.1766	.1426	48.19	12.91	1.804	.1154
#1	1.949	9.976	1.935	1.952	.0029	.0087	-.0058	1.964
#2	1.952	9.965	1.930	1.948	.0014	.0104	-.0057	1.960

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	1.946	.1158	1.957	1.987	2.011	1.962	2.013	-.0030
Stddev	.001	.0005	.002	.003	.001	.008	.001	.0136
%RSD	.0562	.4251	.0975	.1433	.0350	.3880	.0401	447.4
#1	1.946	.1161	1.956	1.985	2.010	1.957	2.013	.0066
#2	1.945	.1155	1.958	1.989	2.011	1.968	2.014	-.0127

Elem	Zn2062	Zr3391
Avg	1.950	.0001
Stddev	.002	.0012
%RSD	.0927	2321.
#1	1.951	.0009
#2	1.949	-.0008

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/3/2013 11:16:56 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1377.3	57510.	8555.5
Stddev	.5	41.	17.1
%RSD	.03872	.07134	.19969
#1	1376.9	57481.	8567.6
#2	1377.7	57539.	8543.4

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/3/2013 11:21:38 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	-.0059	.0000	.0000	.0014	.0001	.0001	-.0025	.0000	-.0001
Stddev	.0002	.0025	.0021	.000	.0002	.0001	.0001	.0014	.0001	.0000
%RSD	56.49	41.33	14850.	2818.	16.43	121.1	96.95	55.82	1804.	6.888
#1	.0005	-.0077	-.0015	.0001	.0016	.0000	.0002	-.0034	.0001	-.0001
#2	.0002	-.0042	.0015	-.0001	.0013	.0002	.0000	-.0015	-.0001	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0007	.0002	.0025	-.0008	-.0182	.0001	.0022	-.0001	.0001	-.0002
Stddev	.0005	.0002	.0012	.0217	.0366	.0001	.0004	.0009	.0002	.0007
%RSD	68.62	81.86	47.76	2878.	200.5	36.37	17.82	846.4	239.2	342.4
#1	.0010	.0004	.0033	-.0161	.0076	.0002	.0025	-.0008	.0002	.0003
#2	.0003	.0001	.0016	.0146	-.0441	.0001	.0019	.0005	-.0001	-.0007

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0009	.0018	-.0009	.0008	.0008	-.0019	.0003	.0001	.0006	.0014
Stddev	.0000	.0037	.0010	.0007	.0006	.0001	.0008	.0000	.0002	.0014
%RSD	1.600	202.9	114.9	79.70	79.91	4.241	300.6	6.221	41.61	95.11
#1	.0009	.0044	-.0002	.0013	.0012	-.0020	.0008	.0001	.0004	.0024
#2	.0009	-.0008	-.0016	.0004	.0003	-.0019	-.0003	.0001	.0007	.0005

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0002	.0039	-.0001	.0001
Stddev	.0005	.0002	.0001	.0000
%RSD	190.8	6.317	209.0	41.68
#1	.0006	.0041	-.0001	.0001
#2	-.0001	.0038	.0000	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1377.0	57453.	8491.5
Stddev	4.1	55.	16.1
%RSD	.29721	.09585	.18903
#1	1379.9	57492.	8502.9
#2	1374.1	57414.	8480.2

Zoom In Zoom Out

Sample Name: CRI Acquired: 9/3/2013 11:26:37 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0053	.2108	.0041	-.0010	.1026	.0513	.0042	5.060
Stddev	.0003	.0001	.0022	.0000	.0000	.0005	.0001	.010
%RSD	4.895	.0380	52.79	2.031	.0436	.9682	1.793	.2045
#1	.0051	.2107	.0026	-.0010	.1026	.0517	.0042	5.053
#2	.0055	.2108	.0057	-.0010	.1026	.0510	.0043	5.067

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0042	.0531	.0108	.0249	.1053	5.018	4.976	.0162
Stddev	.0000	.0002	.0000	.0003	.0002	.016	.041	.0001
%RSD	.5000	.3168	.3332	1.129	.2240	.3163	.8186	.3350
#1	.0042	.0530	.0108	.0247	.1051	5.029	4.947	.0161
#2	.0042	.0532	.0107	.0251	.1054	5.006	5.005	.0162

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.1026	5.086	.0407	.0052	-.0004	.0022	F-.0022	.0068
Stddev	.0003	.018	.0001	.0002	.0007	.0022	.0016	.0009
%RSD	.3302	.3570	.2528	3.269	165.4	96.10	71.26	12.53
#1	.1023	5.099	.0406	.0053	.0001	.0007	-.0011	.0062
#2	.1028	5.073	.0407	.0051	-.0009	.0038	-.0033	.0074

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0100	.0012	.0996	.0101	.0527	.0042	.0105	.0066
Stddev	.0010	.0004	.0002	.0001	.0013	.0006	.0000	.0020
%RSD	9.585	32.80	.2214	.8635	2.441	13.39	.0916	30.58
#1	.0093	.0014	.0995	.0100	.0518	.0047	.0105	.0080
#2	.0107	.0009	.0998	.0102	.0536	.0038	.0105	.0052

Elem	Zn2062	Zr3391
Avg	.0208	.0002
Stddev	.0001	.0002
%RSD	.4443	120.3
#1	.0207	.0000
#2	.0208	.0004

Zoom In Zoom Out

Sample Name: CRI Acquired: 9/3/2013 11:26:37 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1373.6	57448.	8547.2
Stddev	.5	232.	65.2
%RSD	.03408	.40376	.76256
#1	1374.0	57284.	8593.3
#2	1373.3	57612.	8501.1

Zoom In Zoom Out

Sample Name: CRIA Acquired: 9/3/2013 11:31:30 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0053	.2200	.0093	-.0007	.1013	.0515	.0042	5.071
Stddev	.0001	.0057	.0011	.0009	.0004	.0000	.0000	.022
%RSD	1.003	2.586	12.26	126.9	.3680	.0236	.3269	.4289
#1	.0053	.2241	.0085	-.0014	.1010	.0515	.0042	5.086
#2	.0052	.2160	.0101	-.0001	.1016	.0515	.0042	5.056

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0043	.0527	.0105	.0245	.1067	5.068	4.975	.0158
Stddev	.0001	.0001	.0000	.0000	.0029	.002	.016	.0002
%RSD	2.122	.1391	.3360	.1947	2.714	.0410	.3132	1.087
#1	.0044	.0528	.0105	.0244	.1046	5.067	4.986	.0159
#2	.0042	.0526	.0106	.0245	.1087	5.070	4.964	.0157

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.1010	5.138	.0401	.0114	-.0001	.0007	F-.0013	.0107
Stddev	.0001	.009	.0001	.0008	.0002	.0025	.0010	.0003
%RSD	.0671	.1799	.1779	6.752	133.1	333.1	81.61	3.075
#1	.1010	5.131	.0401	.0119	-.0003	-.0010	-.0020	.0105
#2	.1011	5.145	.0402	.0108	.0000	.0025	-.0005	.0109

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0107	.0028	.0989	.0101	.0523	.0099	.0099	-.0006
Stddev	.0004	.0004	.0007	.0000	.0003	.0006	.0002	.0030
%RSD	3.958	14.08	.6631	.1368	.5116	5.827	1.694	487.8
#1	.0104	.0031	.0993	.0101	.0521	.0095	.0100	.0015
#2	.0110	.0025	.0984	.0101	.0525	.0103	.0098	-.0028

Elem	Zn2062	Zr3391
Avg	.0205	-.0001
Stddev	.0002	.0002
%RSD	.7461	139.0
#1	.0206	.0000
#2	.0203	-.0003

Zoom In Zoom Out

Sample Name: CRIA Acquired: 9/3/2013 11:31:30 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1374.6	57477.	8516.8
Stddev	.3	127.	2.3
%RSD	.02503	.22014	.02698
#1	1374.8	57387.	8515.2
#2	1374.3	57566.	8518.4

Zoom In Zoom Out

Sample Name: CRIB Acquired: 9/3/2013 11:36:23 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0055	.2032	.0105	-.0001	.1014	.5218	.0041	5.057
Stddev	.0003	.0039	.0012	.0004	.0005	.0004	.0001	.007
%RSD	5.329	1.929	11.12	324.5	.4838	.0731	1.414	.1310
#1	.0053	.2004	.0114	-.0004	.1010	.5215	.0042	5.061
#2	.0057	.2059	.0097	.0002	.1017	.5220	.0041	5.052

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0042	.0525	.0106	.0242	.1089	5.080	5.062	.0162
Stddev	.0001	.0005	.0002	.0000	.0020	.000	.001	.0000
%RSD	2.993	.9360	1.820	.1451	1.846	.0000	.0210	.1562
#1	.0041	.0521	.0105	.0242	.1103	5.080	5.063	.0162
#2	.0043	.0528	.0108	.0242	.1074	5.080	5.061	.0162

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.1009	5.095	.0402	.0095	-.0016	.0019	F-.0008	.0063
Stddev	.0005	.007	.0003	.0002	.0002	.0025	.0015	.0003
%RSD	.4659	.1438	.6881	1.901	14.26	130.3	198.7	5.088
#1	.1005	5.100	.0400	.0097	-.0015	.0036	-.0018	.0065
#2	.1012	5.090	.0404	.0094	-.0018	.0001	.0003	.0060

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0236	.0029	.0982	.0101	.0528	.0054	.0102	.0032
Stddev	.0010	.0001	.0005	.0000	.0004	.0004	.0004	.0030
%RSD	4.375	1.812	.5391	.4514	.7394	6.958	4.064	92.22
#1	.0228	.0028	.0978	.0101	.0531	.0051	.0105	.0011
#2	.0243	.0029	.0986	.0101	.0525	.0057	.0099	.0053

Elem	Zn2062	Zr3391
Avg	.1082	.0002
Stddev	.0009	.0001
%RSD	.8765	57.93
#1	.1075	.0001
#2	.1089	.0003

Zoom In Zoom Out

Sample Name: CRIB Acquired: 9/3/2013 11:36:23 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1381.1	57273.	8482.5
Stddev	.5	37.	20.2
%RSD	.03264	.06545	.23855
#1	1380.7	57300.	8496.8
#2	1381.4	57247.	8468.2

Zoom In Zoom Out

Sample Name: ICSA Acquired: 9/3/2013 11:45:23 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0009	530.3	.0015	-.0359	.0016	.0018	.0001	462.1
Stddev	.0000	5.3	.0007	.0013	.0015	.0001	.0000	1.8
%RSD	1.476	1.003	44.35	3.550	93.48	6.350	82.43	.3933
#1	.0009	526.6	.0020	-.0350	.0027	.0019	.0000	463.4
#2	.0008	534.1	.0010	-.0368	.0006	.0017	.0001	460.9

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0011	.0015	-.0003	.0011	181.7	.0477	536.7	.0007
Stddev	.0002	.0003	.0000	.0007	.2	.0037	.4	.0001
%RSD	13.85	20.60	12.52	66.21	.0858	7.824	.0742	15.60
#1	.0010	.0018	-.0003	.0017	181.8	.0504	536.9	.0008
#2	.0012	.0013	-.0002	.0006	181.6	.0451	536.4	.0006

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	-.0013	.1339	-.0025	-.0003	-.0133	-.0198	F-.0195	.0013
Stddev	.0003	.0150	.0000	.0034	.0013	.0007	.0009	.0012
%RSD	19.91	11.18	1.691	1012.	9.923	3.459	4.839	94.37
#1	-.0015	.1233	-.0025	-.0028	-.0142	-.0193	-.0202	.0022
#2	-.0011	.1445	-.0025	.0021	-.0124	-.0203	-.0189	.0004

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	-.0054	.0346	.0002	.0008	.0080	-.0001	.0002	-.0181
Stddev	.0028	.0005	.0005	.0001	.0005	.0008	.0003	.0044
%RSD	51.52	1.325	231.3	10.21	6.580	545.3	208.3	24.42
#1	-.0034	.0349	-.0001	.0009	.0083	-.0007	.0004	-.0150
#2	-.0073	.0342	.0005	.0008	.0076	.0004	-.0001	-.0212

Elem	Zn2062	Zr3391
Avg	-.0028	.0066
Stddev	.0004	.0002
%RSD	14.33	3.130
#1	-.0025	.0067
#2	-.0030	.0065

Zoom In Zoom Out

Sample Name: ICSA Acquired: 9/3/2013 11:45:23 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1259.5	52767.	8258.2
Stddev	2.9	33.	30.4
%RSD	.23085	.06241	.36859
#1	1257.5	52743.	8236.7
#2	1261.6	52790.	8279.7

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 9/3/2013 11:50:40 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	1.077	527.9	2.007	.4634	.9733	.5084	.4733	458.2
Stddev	.001	4.2	.006	.0006	.0015	.0007	.0014	2.8
%RSD	.0724	.8018	.2906	.1254	.1512	.1401	.3000	.6174
#1	1.078	524.9	2.003	.4638	.9723	.5079	.4723	456.2
#2	1.077	530.9	2.011	.4630	.9744	.5089	.4743	460.2

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	1.016	.4683	.4834	.5154	180.3	.0445	536.2	.4945
Stddev	.001	.0014	.0003	.0005	.8	.0112	2.7	.0004
%RSD	.1323	.3093	.0674	.0897	.4605	25.22	.5075	.0774
#1	1.015	.4673	.4832	.5151	179.7	.0365	534.3	.4948
#2	1.017	.4694	.4836	.5158	180.9	.0524	538.2	.4942

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.9333	.1377	.8433	.8771	.5251	.4823	F-.0242	2.029
Stddev	.0030	.0045	.0005	.0024	.0029	.0046	.0002	.008
%RSD	.3169	3.279	.0574	.2773	.5536	.9448	.8109	.3807
#1	.9312	.1409	.8430	.8754	.5230	.4791	-.0244	2.024
#2	.9354	.1345	.8436	.8789	.5272	.4856	-.0241	2.035

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	1.981	2.032	.9461	.9693	.5096	1.832	.5030	1.894
Stddev	.008	.004	.0021	.0024	.0027	.008	.0001	.001
%RSD	.3892	.2104	.2214	.2484	.5324	.4544	.0154	.0593
#1	1.975	2.029	.9446	.9676	.5076	1.826	.5031	1.895
#2	1.986	2.035	.9476	.9710	.5115	1.838	.5030	1.893

Elem	Zn2062	Zr3391
Avg	.8878	.4361
Stddev	.0036	.0032
%RSD	.4071	.7431
#1	.8852	.4338
#2	.8903	.4384

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 9/3/2013 11:50:40 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1264.3	52947.	8316.6
Stddev	1.1	73.	42.9
%RSD	.08875	.13835	.51610
#1	1265.1	52896.	8347.0
#2	1263.5	52999.	8286.3

Zoom In Zoom Out

Sample Name: MC23884-4 Acquired: 9/3/2013 11:56:48 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0039	.1810	.0018	.0004	.0402	.0061	-.0002	39.89	-.0009
Stddev	.0008	.1735	.0072	.0003	.0012	.0005	.0008	.19	.0008
%RSD	21.17	95.86	397.4	72.56	3.000	8.441	389.8	.4798	85.72
#1	-.0033	.0583	.0069	.0002	.0410	.0065	.0004	40.03	-.0004
#2	-.0045	.3038	-.0033	.0006	.0393	.0058	-.0008	39.75	-.0015

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0013	.0512	.0020	.1910	.8529	7.329	.0026	.0278	906.1
Stddev	.0014	.0016	.0016	.0289	.1727	.214	.0002	.0018	2.5
%RSD	102.0	3.090	77.08	15.11	20.25	2.925	7.899	6.467	.2763
#1	-.0023	.0501	.0009	.2114	.7307	7.480	.0028	.0290	907.9
#2	-.0004	.0524	.0031	.1706	.9750	7.177	.0025	.0265	904.4

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0034	.0057	-.0003	.0234	F622.7	.0110	.0080	2.849	.0048
Stddev	.0006	.0113	.0088	.0057	.1	.0051	.0074	.005	.0017
%RSD	17.77	197.3	2589.	24.20	.0221	46.75	91.83	.1680	35.50
#1	.0029	.0137	-.0066	.0274	622.6	.0146	.0132	2.846	.0036
#2	.0038	-.0023	.0059	.0194	622.8	.0073	.0028	2.853	.0060

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0659	.0033	.0142	.0076	.0387	.0072	.0403
Stddev	.0002	.0006	.0036	.0006	.0075	.0024	.0025
%RSD	.3510	17.39	25.52	8.039	19.39	33.56	6.141
#1	.0661	.0029	.0167	.0080	.0334	.0055	.0420
#2	.0658	.0038	.0116	.0072	.0440	.0089	.0385

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1372.9	57236.	8540.5
Stddev	.9	159.	26.1
%RSD	.06380	.27827	.30528
#1	1373.5	57124.	8522.1
#2	1372.3	57349.	8559.0

Zoom In Zoom Out

Sample Name: MC23885-4 Acquired: 9/3/2013 12:01:44 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0002	1.168	-.0022	-.0020	.0741	.0485	-.0001	540.3	.0005
Stddev	.0043	.124	.0187	.0008	.0048	.0014	.0005	2.1	.0014
%RSD	1943.	10.59	855.4	42.82	6.466	2.808	601.8	.3812	313.1
#1	.0028	1.081	-.0154	-.0025	.0707	.0494	-.0004	538.8	.0015
#2	-.0033	1.256	.0110	-.0014	.0775	.0475	.0003	541.7	-.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0457	.0222	.0033	.8650	3.815	147.5	.2484	.0049	1237.
Stddev	.0010	.0059	.0007	.0170	.005	.2	.0002	.0004	3.
%RSD	2.197	26.47	21.85	1.965	.1398	.1413	.0880	8.336	.2347
#1	.0464	.0264	.0038	.8770	3.819	147.4	.2485	.0046	1234.
#2	.0450	.0181	.0028	.8530	3.811	147.7	.2482	.0052	1239.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.1661	-.0032	-.0283	.0049	F1479.	.0120	.0072	10.97	-.0053
Stddev	.0013	.0018	.0012	.0111	6.	.0056	.0070	.03	.0010
%RSD	.7859	54.14	4.394	227.1	.4129	47.20	97.05	.2659	19.54
#1	.1670	-.0020	-.0274	-.0030	1483.	.0080	.0122	10.99	-.0060
#2	.1652	-.0045	-.0291	.0128	1474.	.0159	.0023	10.95	-.0045

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.172	.0110	.0167	-.0013	.0504	1.698	-.0195
Stddev	.006	.0014	.0040	.0056	.0380	.012	.0021
%RSD	.4895	12.54	23.73	425.3	75.38	.6864	10.88
#1	1.176	.0120	.0139	.0026	.0236	1.706	-.0180
#2	1.168	.0100	.0195	-.0052	.0773	1.690	-.0210

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1348.9	56798.	8360.4
Stddev	4.5	109.	29.9
%RSD	.33059	.19185	.35823
#1	1345.7	56721.	8381.6
#2	1352.0	56875.	8339.3

Zoom In Zoom Out

Sample Name: MP21572-PS1 Acquired: 9/3/2013 12:06:38 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	65.68	.0151	-.0295	.0087	.3099	.0022	8.560	.0003	.0415
Stddev	.0000	.00	.0031	.0001	.0003	.0008	.0001	.056	.0000	.0002
%RSD	3.091	.0012	20.76	.2842	3.250	.2594	5.172	.6482	10.39	.4841
#1	-.0007	65.68	.0129	-.0296	.0089	.3094	.0021	8.599	.0003	.0414
#2	-.0007	65.68	.0174	-.0295	.0085	.3105	.0023	8.521	.0004	.0417

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6335	.0783	98.52	3.678	15.24	2.763	.0014	.7787	.1386	.0743
Stddev	.0048	.0000	.16	.000	.01	.003	.0000	.0033	.0004	.0006
%RSD	.7552	.0273	.1620	.0010	.0923	.1047	1.542	.4217	.2802	.8283
#1	.6368	.0783	98.63	3.678	15.25	2.765	.0014	.7810	.1383	.0738
#2	.6301	.0783	98.41	3.678	15.23	2.761	.0014	.7764	.1389	.0747

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0073	.0144	.2464	.0190	-.0012	2.225	.0016	.0696	2.562	-.0021
Stddev	.0006	.0001	.0013	.0005	.0010	.002	.0001	.0000	.003	.0008
%RSD	8.178	.9486	.5138	2.677	89.52	.1059	8.146	.0132	.0979	36.66
#1	.0069	.0145	.2455	.0194	-.0004	2.224	.0015	.0696	2.564	-.0015
#2	.0077	.0143	.2473	.0186	-.0019	2.227	.0017	.0696	2.560	-.0026

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1443	.0066	.1406	.0148
Stddev	.0002	.0008	.0003	.0005
%RSD	.1369	12.72	.2345	3.210
#1	.1445	.0072	.1403	.0151
#2	.1442	.0060	.1408	.0144

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1502.6	62216.	9341.9
Stddev	1.1	95.	34.9
%RSD	.07350	.15328	.37324
#1	1501.8	62284.	9317.3
#2	1503.4	62149.	9366.6

Zoom In Zoom Out

Sample Name: MP21575-B1 Acquired: 9/3/2013 12:11:27 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1906	2.147	.5265	-.0027	.0046	2.014	.5155	24.81	.5043	.5064
Stddev	.0108	.124	.0012	.0004	.0002	.117	.0305	1.52	.0010	.0007
%RSD	5.690	5.756	.2229	15.17	4.518	5.792	5.920	6.121	.1897	.1468
#1	.1830	2.234	.5257	-.0024	.0048	2.097	.5370	25.88	.5036	.5059
#2	.1983	2.059	.5273	-.0030	.0045	1.932	.4939	23.73	.5049	.5070

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4898	.4574	2.054	25.58	25.68	.4818	.0003	25.33	.4749	.9762
Stddev	.0313	.0273	.123	1.39	1.68	.0265	.0001	1.40	.0006	.0008
%RSD	6.383	5.970	5.979	5.452	6.539	5.508	30.29	5.518	.1180	.0842
#1	.4677	.4381	2.141	26.56	26.86	.4631	.0003	26.32	.4745	.9768
#2	.5120	.4767	1.967	24.59	24.49	.5006	.0004	24.34	.4752	.9757

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0011	-.0030	.0246	.4921	.4942	.0441	.0069	.4935	.4728	.4980
Stddev	.0009	.0018	.0012	.0013	.0004	.0014	.0008	.0291	.0253	.0006
%RSD	77.21	60.62	4.731	.2567	.0848	3.193	12.04	5.890	5.344	.1221
#1	-.0017	-.0043	.0255	.4912	.4939	.0451	.0063	.5140	.4549	.4976
#2	-.0005	-.0017	.0238	.4930	.4945	.0431	.0075	.4729	.4907	.4985

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.4945	.0027	.5379	.0084
Stddev	.0306	.0009	.0017	.0015
%RSD	6.184	31.87	.3113	17.50
#1	.4728	.0033	.5391	.0074
#2	.5161	.0021	.5368	.0094

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1358.3	59893.	8540.2
Stddev	2.7	2715.	441.0
%RSD	.19742	4.5329	5.1637
#1	1360.2	61813.	8228.3
#2	1356.4	57973.	8852.0

Zoom In Zoom Out

Sample Name: MP21575-MB1 Acquired: 9/3/2013 12:16:14 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	.0034	-.0006	-.0014	.0012	.0008	.0000	.1350	.0000	-.0002
Stddev	.000	.0063	.0021	.0008	.0003	.0001	.000	.0003	.0000	.0000
%RSD	445.2	187.8	374.0	56.43	27.90	9.453	1727.	.2107	266.8	26.69
#1	.0001	.0078	.0009	-.0019	.0010	.0009	.0000	.1348	.0001	-.0002
#2	-.0002	-.0011	-.0020	-.0008	.0014	.0008	.0000	.1352	.0000	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0010	.0004	.0185	.0280	.0076	.0011	.0001	.1046	.0015	.0000
Stddev	.0004	.0001	.0002	.0095	.0218	.0000	.0001	.0029	.0001	.000
%RSD	40.19	13.62	.8529	33.81	285.5	2.183	135.1	2.778	6.070	1524.
#1	.0007	.0004	.0186	.0347	-.0078	.0011	.0001	.1025	.0014	-.0001
#2	.0013	.0005	.0183	.0213	.0230	.0011	.0000	.1066	.0015	.0001

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0001	.0065	.0483	.0025	-.0002	.0405	.0080	.0003	.0010	.0000
Stddev	.0001	.0017	.0027	.0005	.0006	.0007	.0002	.0001	.0001	.0001
%RSD	105.9	25.69	5.541	21.37	265.2	1.704	2.357	20.69	7.056	1125.
#1	-.0002	.0077	.0502	.0028	.0002	.0400	.0081	.0003	.0011	.0000
#2	.0000	.0054	.0464	.0021	-.0006	.0410	.0079	.0003	.0010	.0001

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0001	.0036	.0211	.0008
Stddev	.0005	.0004	.0001	.0003
%RSD	586.8	11.77	.5793	35.10
#1	.0003	.0039	.0210	.0010
#2	-.0005	.0033	.0212	.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1365.6	57170.	8550.8
Stddev	2.7	128.	39.7
%RSD	.19465	.22325	.46392
#1	1367.5	57080.	8578.9
#2	1363.7	57261.	8522.8

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/3/2013 12:21:11 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.2612	10.13	2.011	-.0121	2.027	2.027	2.065	10.26
Stddev	.0003	.14	.008	.0000	.006	.018	.024	.14
%RSD	.1129	1.423	.4047	.3596	.3031	.8820	1.159	1.344
#1	.2614	10.23	2.006	-.0121	2.023	2.040	2.082	10.36
#2	.2610	10.03	2.017	-.0122	2.032	2.014	2.048	10.17

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	2.030	2.101	2.068	2.047	10.18	10.23	10.36	2.094
Stddev	.001	.002	.006	.004	.15	.11	.04	.004
%RSD	.0599	.0745	.2946	.2072	1.485	1.032	.4017	.1670
#1	2.029	2.100	2.072	2.044	10.29	10.31	10.39	2.096
#2	2.031	2.102	2.064	2.050	10.07	10.16	10.33	2.091

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	2.010	10.23	1.979	1.997	.0010	.0081	F-.0031	2.016
Stddev	.005	.11	.001	.005	.0008	.0001	.0005	.004
%RSD	.2414	1.050	.0559	.2648	80.19	.7467	14.99	.1895
#1	2.006	10.31	1.978	1.993	.0016	.0082	-.0035	2.013
#2	2.013	10.16	1.980	2.001	.0004	.0081	-.0028	2.018

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	2.002	.1229	1.996	2.042	2.070	2.026	2.082	-.0014
Stddev	.001	.0003	.003	.022	.003	.002	.001	.0084
%RSD	.0508	.2318	.1321	1.084	.1238	.0743	.0247	609.6
#1	2.001	.1231	1.994	2.057	2.072	2.025	2.082	-.0074
#2	2.002	.1227	1.998	2.026	2.069	2.027	2.083	.0046

Elem	Zn2062	Zr3391
Avg	2.006	.0027
Stddev	.001	.0016
%RSD	.0581	57.93
#1	2.005	.0038
#2	2.006	.0016

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/3/2013 12:21:11 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1380.2	57304.	8620.1
Stddev	1.9	32.	127.3
%RSD	.13823	.05543	1.4770
#1	1381.6	57282.	8530.1
#2	1378.9	57327.	8710.2

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/3/2013 12:25:53 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	.0010	.0007	-.0010	.0018	.0001	.0001	.0012	.0000	.0001
Stddev	.0001	.0041	.0008	.0001	.0001	.0001	.0001	.0025	.0001	.0000
%RSD	123.3	406.0	123.7	7.476	5.549	100.4	57.43	208.2	296.0	71.80
#1	.0000	.0039	.0001	-.0010	.0019	.0000	.0002	.0029	.0001	.0000
#2	.0002	-.0019	.0012	-.0009	.0017	.0002	.0001	-.0006	.0000	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0003	.0035	-.0001	-.0151	.0003	.0019	.0006	.0000	.0003
Stddev	.0000	.0004	.0000	.0043	.0204	.0001	.0004	.0068	.0001	.0002
%RSD	20.33	143.7	.6590	5296.	134.8	30.24	22.26	1111.	6302.	47.48
#1	.0002	.0006	.0035	.0030	-.0007	.0002	.0022	-.0042	.0000	.0004
#2	.0001	.0000	.0035	-.0032	-.0295	.0004	.0016	.0054	.0000	.0002

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0001	.0005	-.0008	.0009	.0012	.0008	.0008	.0001	.0005	.0016
Stddev	.0010	.0024	.0010	.0008	.0007	.0000	.0001	.0000	.0002	.0027
%RSD	1294.	512.3	129.2	93.27	61.30	.5553	18.24	21.30	40.16	167.3
#1	-.0006	.0021	-.0001	.0015	.0007	.0008	.0009	.0001	.0007	.0036
#2	.0008	-.0012	-.0014	.0003	.0017	.0008	.0007	.0002	.0004	-.0003

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0001	.0029	-.0004	.0003
Stddev	.0003	.0014	.0002	.0005
%RSD	289.2	47.90	40.17	148.7
#1	.0001	.0039	-.0005	.0000
#2	-.0003	.0019	-.0003	.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1379.1	57260.	8534.3
Stddev	3.2	128.	17.5
%RSD	.23046	.22338	.20465
#1	1381.4	57350.	8546.6
#2	1376.9	57170.	8521.9

Zoom In Zoom Out

Sample Name: MP21575-S1 Acquired: 9/3/2013 12:30:51 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.1910	29.35	.5495	-.0236	.0547	2.008	.4727	F981.7	.5050
Stddev	.0001	.06	.0005	.0007	.0001	.002	.0006	7.4	.0003
%RSD	.0319	.1911	.0939	2.808	.1640	.0978	.1246	.7536	.0501
#1	.1910	29.31	.5491	-.0241	.0546	2.007	.4731	986.9	.5049
#2	.1911	29.39	.5499	-.0231	.0548	2.009	.4723	976.5	.5052

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.4834	.5256	.5678	67.93	29.99	390.1	2.798	.0191	26.98
Stddev	.0014	.0042	.0009	.19	.08	1.6	.000	.0003	.02
%RSD	.2806	.8060	.1668	.2813	.2658	.4154	.0079	1.317	.0718
#1	.4824	.5226	.5671	68.07	29.94	391.2	2.798	.0189	26.96
#2	.4843	.5286	.5684	67.80	30.05	388.9	2.798	.0192	26.99

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4949	.9218	-.0301	.0230	F11.37	.2760	.4830	2.722	-.0001
Stddev	.0001	.0042	.0004	.0019	.01	.0015	.0014	.001	.0010
%RSD	.0223	.4523	1.474	8.059	.0968	.5309	.2912	.0252	1085.
#1	.4948	.9188	-.0298	.0243	11.38	.2750	.4840	2.722	.0006
#2	.4950	.9247	-.0304	.0217	11.36	.2771	.4820	2.721	-.0008

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.173	1.528	.4424	.5842	.0016	.6185	.0225
Stddev	.002	.000	.0023	.0085	.0052	.0016	.0006
%RSD	.1604	.0152	.5301	1.459	315.7	.2650	2.726
#1	1.172	1.528	.4407	.5782	.0053	.6174	.0220
#2	1.175	1.527	.4440	.5903	-.0020	.6197	.0229

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1278.2	55487.	8509.0
Stddev	.5	21.	57.9
%RSD	.03726	.03828	.68062
#1	1278.6	55472.	8468.1
#2	1277.9	55502.	8550.0

Zoom In Zoom Out

Sample Name: MP21575-S2 Acquired: 9/3/2013 12:35:41 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.1972	27.92	.5703	-.0232	.0627	2.023	.4735	F1029.	.5057
Stddev	.0004	.04	.0028	.0011	.0002	.003	.0009	11.	.0001
%RSD	.2103	.1378	.4930	4.605	.3906	.1256	.1969	1.036	.0281
#1	.1969	27.94	.5683	-.0239	.0625	2.022	.4741	1036.	.5056
#2	.1975	27.89	.5722	-.0224	.0629	2.025	.4728	1021.	.5058

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.4820	.5262	.5427	68.34	30.89	380.4	2.972	.0228	26.80
Stddev	.0005	.0011	.0018	.27	.09	2.1	.006	.0001	.05
%RSD	.0999	.2029	.3232	.3906	.2767	.5523	.2146	.5433	.1723
#1	.4817	.5254	.5415	68.53	30.83	381.9	2.977	.0227	26.77
#2	.4824	.5269	.5439	68.15	30.95	379.0	2.968	.0229	26.83

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4879	.9430	-.0313	.0214	F13.27	.2863	.4845	3.032	.0009
Stddev	.0005	.0017	.0016	.0041	.03	.0001	.0026	.002	.0002
%RSD	.1109	.1824	5.104	19.02	.1925	.0370	.5469	.0560	24.66
#1	.4876	.9417	-.0324	.0185	13.25	.2862	.4864	3.033	.0008
#2	.4883	.9442	-.0302	.0242	13.29	.2864	.4826	3.031	.0011

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.253	1.568	.4398	.5673	.0043	.6189	.0247
Stddev	.001	.004	.0021	.0004	.0018	.0004	.0000
%RSD	.1081	.2309	.4689	.0652	42.29	.0595	.0288
#1	1.252	1.565	.4383	.5671	.0030	.6187	.0247
#2	1.254	1.571	.4412	.5676	.0056	.6192	.0247

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1264.4	54772.	8442.9
Stddev	.9	183.	70.3
%RSD	.07134	.33417	.83300
#1	1265.1	54643.	8393.1
#2	1263.8	54901.	8492.6

Zoom In Zoom Out

Sample Name: MC23894-10 Acquired: 9/3/2013 12:40:32 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0009	23.32	.0310	-.0212	.0468	.1078	.0014	F1132.	.0012
Stddev	.0001	.16	.0003	.0001	.0001	.0004	.0000	5.	.0001
%RSD	11.73	.6992	.8135	.4147	.2629	.3740	2.000	.4255	8.236
#1	-.0010	23.20	.0312	-.0211	.0467	.1075	.0014	1129.	.0011
#2	-.0008	23.43	.0309	-.0213	.0469	.1081	.0014	1136.	.0013

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0244	.0605	.0679	60.10	4.823	283.2	3.005	.0156	1.099
Stddev	.0005	.0005	.0006	.17	.007	1.0	.004	.0002	.001
%RSD	1.998	.8293	.8586	.2856	.1405	.3370	.1203	.9755	.1100
#1	.0248	.0602	.0683	59.98	4.818	282.5	3.008	.0155	1.098
#2	.0241	.0609	.0674	60.22	4.827	283.9	3.003	.0157	1.100

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0663	.0271	-.0363	.0164	F7.528	.0044	-.0037	2.294	.0008
Stddev	.0002	.0008	.0010	.0035	.017	.0005	.0001	.021	.0008
%RSD	.2478	2.985	2.622	21.15	.2302	11.70	1.487	.9074	92.95
#1	.0662	.0277	-.0370	.0188	7.516	.0040	-.0038	2.309	.0013
#2	.0664	.0266	-.0357	.0139	7.541	.0047	-.0037	2.280	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.7624	.9046	.0055	.0885	-.0041	.1551	.0260
Stddev	.0037	.0033	.0009	.0015	.0020	.0001	.0001
%RSD	.4864	.3642	17.20	1.673	49.73	.0531	.4990
#1	.7598	.9069	.0061	.0896	-.0056	.1551	.0261
#2	.7650	.9023	.0048	.0875	-.0027	.1552	.0259

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1293.1	55154.	8627.3
Stddev	.5	91.	11.9
%RSD	.03985	.16414	.13777
#1	1293.5	55090.	8635.7
#2	1292.7	55218.	8618.9

Zoom In Zoom Out

Sample Name: MP21575-SD1 Acquired: 9/3/2013 12:45:25 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0017	24.41	.0394	-.0257	.0585	.1163	.0012	1326.	.0019	.0255
Stddev	.0012	.04	.0039	.0094	.0017	.0003	.0001	10.	.0004	.0004
%RSD	69.59	.1786	10.02	36.55	2.989	.2337	4.288	.7240	22.23	1.521
#1	.0025	24.38	.0422	-.0323	.0597	.1165	.0012	1319.	.0022	.0252
#2	.0008	24.44	.0366	-.0190	.0573	.1161	.0012	1333.	.0016	.0258

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0671	.0670	68.45	5.120	299.7	3.354	.0176	1.147	.0730	.0288
Stddev	.0015	.0020	.30	.172	1.1	.001	.0003	.049	.0006	.0021
%RSD	2.185	2.925	.4328	3.351	.3794	.0272	1.482	4.299	.7627	7.283
#1	.0661	.0656	68.24	5.241	298.9	3.354	.0178	1.112	.0726	.0303
#2	.0682	.0684	68.65	4.999	300.5	3.355	.0174	1.182	.0734	.0273

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0502	.0211	7.717	.0160	-.0037	2.330	-.0016	.8287	.9960	.0013
Stddev	.0046	.0080	.012	.0000	.0061	.037	.0011	.0026	.0189	.0037
%RSD	9.238	37.79	.1560	.1434	165.2	1.607	70.16	.3128	1.896	280.8
#1	-.0534	.0154	7.726	.0160	-.0080	2.357	-.0008	.8269	.9826	.0039
#2	-.0469	.0267	7.709	.0161	.0006	2.304	-.0024	.8306	1.009	-.0013

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0926	.0062	.1830	.0311
Stddev	.0018	.0004	.0007	.0026
%RSD	1.955	6.109	.3751	8.419
#1	.0913	.0065	.1826	.0293
#2	.0939	.0059	.1835	.0330

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1340.8	55861.	8351.3
Stddev	1.8	86.	59.5
%RSD	.13306	.15461	.71249
#1	1339.6	55800.	8393.3
#2	1342.1	55923.	8309.2

Zoom In Zoom Out

Sample Name: MP21575-B2 Acquired: 9/3/2013 12:50:18 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2068	2.107	.5239	-.0038	.0023	1.998	.5141	24.63	.5043	.5037
Stddev	.0006	.013	.0003	.0005	.0002	.014	.0049	.28	.0007	.0009
%RSD	.2753	.6001	.0527	14.02	8.628	.6744	.9594	1.147	.1466	.1722
#1	.2064	2.098	.5237	-.0042	.0022	1.988	.5106	24.43	.5048	.5044
#2	.2072	2.116	.5241	-.0034	.0025	2.008	.5176	24.83	.5037	.5031

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5349	.4838	2.023	25.63	26.04	.5210	.0002	24.88	.4731	.9733
Stddev	.0008	.0008	.004	.08	.21	.0009	.0000	.09	.0011	.0090
%RSD	.1506	.1694	.1952	.2941	.8142	.1638	24.72	.3485	.2312	.9252
#1	.5343	.4832	2.025	25.69	25.89	.5204	.0001	24.82	.4738	.9796
#2	.5354	.4844	2.020	25.58	26.19	.5216	.0002	24.94	.4723	.9669

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0001	.0009	.0432	.4891	.4914	.0315	.0088	.4863	.5157	.4983
Stddev	.0006	.0033	.0005	.0012	.0030	.0002	.0001	.0031	.0119	.0030
%RSD	485.9	352.1	1.220	.2375	.6136	.6960	1.134	.6455	2.299	.6019
#1	-.0003	.0033	.0428	.4899	.4936	.0317	.0088	.4841	.5073	.5004
#2	.0006	-.0014	.0435	.4882	.4893	.0313	.0087	.4885	.5241	.4962

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5444	-.0035	.5270	.0024
Stddev	.0036	.0029	.0007	.0000
%RSD	.6613	84.09	.1350	.1608
#1	.5418	-.0056	.5275	.0024
#2	.5469	-.0014	.5264	.0024

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1366.6	56210.	8496.1
Stddev	1.3	62.	88.4
%RSD	.09702	.11097	1.0408
#1	1365.6	56254.	8558.6
#2	1367.5	56166.	8433.5

Zoom In Zoom Out

Sample Name: MP21575-LC1 Acquired: 9/3/2013 12:55:06 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.3217	92.52	.8778	-.0309	.9770	1.594	.5187	56.32	.5828
Stddev	.0010	.14	.0052	.0009	.0009	.005	.0018	.05	.0004
%RSD	.3179	.1518	.5876	2.881	.0928	.3205	.3550	.0952	.0674
#1	.3224	92.62	.8815	-.0303	.9763	1.597	.5200	56.28	.5825
#2	.3210	92.42	.8742	-.0315	.9776	1.590	.5174	56.36	.5830

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.9471	.6852	.7312	113.2	37.81	30.41	2.824	.3674	6.298
Stddev	.0013	.0085	.0005	.1	.10	.01	.014	.0005	.036
%RSD	.1409	1.238	.0659	.1241	.2540	.0300	.5107	.1371	.5770
#1	.9462	.6912	.7308	113.1	37.88	30.42	2.834	.3671	6.324
#2	.9481	.6792	.7315	113.3	37.75	30.40	2.814	.3678	6.272

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.5141	.8110	.0073	.0125	F2.385	.5844	1.511	7.793	.9165
Stddev	.0013	.0008	.0001	.0016	.001	.0014	.000	.009	.0012
%RSD	.2465	.0958	.9512	12.75	.0250	.2425	.0288	.1145	.1350
#1	.5132	.8105	.0072	.0113	2.385	.5854	1.511	7.799	.9156
#2	.5150	.8116	.0073	.0136	2.386	.5834	1.511	7.787	.9174

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.6512	2.471	1.121	.5549	.0012	1.257	.0186
Stddev	.0019	.009	.003	.0044	.0055	.001	.0007
%RSD	.2960	.3654	.2530	.7940	461.3	.0937	3.807
#1	.6526	2.478	1.119	.5580	-.0027	1.257	.0191
#2	.6499	2.465	1.123	.5518	.0051	1.258	.0181

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1509.5	62689.	9428.1
Stddev	1.0	361.	31.6
%RSD	.06852	.57633	.33502
#1	1510.2	62434.	9450.5
#2	1508.7	62945.	9405.8

Zoom In Zoom Out

Sample Name: MC23975-1 Acquired: 9/3/2013 12:59:48 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	68.60	.0213	-.0304	.0224	.3346	.0034	55.72	.0010	.0433
Stddev	.0000	.01	.0002	.0001	.0006	.0003	.0001	.04	.0001	.0001
%RSD	1.835	.0124	1.077	.1728	2.516	.0895	2.948	.0695	12.48	.2239
#1	-.0006	68.61	.0211	-.0304	.0228	.3348	.0035	55.69	.0009	.0432
#2	-.0006	68.60	.0214	-.0304	.0220	.3344	.0033	55.75	.0011	.0434

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0704	.0859	115.0	6.362	26.64	2.668	.0022	1.427	.0774	.0799
Stddev	.0003	.0010	.0	.002	.12	.004	.0001	.008	.0000	.0002
%RSD	.4012	1.167	.0013	.0381	.4392	.1621	3.222	.5678	.0268	.2847
#1	.0702	.0852	115.0	6.363	26.72	2.671	.0022	1.432	.0774	.0801
#2	.0706	.0866	115.0	6.360	26.56	2.664	.0023	1.421	.0775	.0798

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0064	.0156	1.004	.0011	-.0008	2.944	.0032	.1693	1.853	-.0002
Stddev	.0000	.0021	.003	.0002	.0006	.021	.0002	.0006	.002	.0005
%RSD	.4517	13.75	.2456	18.34	81.15	.7139	6.846	.3752	.1142	204.0
#1	.0064	.0141	1.006	.0013	-.0012	2.959	.0031	.1698	1.851	-.0005
#2	.0064	.0171	1.003	.0010	-.0003	2.929	.0034	.1689	1.854	.0001

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1537	.0047	.3075	-.0008
Stddev	.0021	.0009	.0007	.0024
%RSD	1.360	19.21	.2176	320.8
#1	.1523	.0053	.3080	-.0025
#2	.1552	.0041	.3070	.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1514.6	63091.	9415.3
Stddev	3.0	58.	38.7
%RSD	.20031	.09202	.41074
#1	1512.5	63050.	9442.6
#2	1516.8	63132.	9387.9

Zoom In Zoom Out

Sample Name: MC23975-2 Acquired: 9/3/2013 13:04:37 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	70.56	.0253	-.0364	.0229	.4762	.0035	75.27	.0014	.0455
Stddev	.0007	.15	.0008	.0006	.0007	.0002	.0001	.08	.0000	.0001
%RSD	310.1	.2120	3.325	1.607	3.160	.0436	2.597	.1005	1.025	.3022
#1	.0003	70.67	.0259	-.0368	.0234	.4763	.0034	75.22	.0014	.0454
#2	-.0007	70.45	.0247	-.0360	.0224	.4760	.0035	75.32	.0014	.0456

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0761	.1220	128.0	7.133	33.21	3.849	.0022	1.390	.0918	.0798
Stddev	.0006	.0003	.0	.028	.20	.004	.0002	.002	.0001	.0014
%RSD	.8423	.2677	.0352	.3957	.5903	.0994	10.52	.1167	.1195	1.792
#1	.0757	.1218	128.0	7.153	33.07	3.851	.0020	1.391	.0917	.0808
#2	.0766	.1222	127.9	7.114	33.35	3.846	.0023	1.388	.0918	.0788

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0067	.0202	1.284	.0004	.0001	2.577	.0039	.2019	1.794	-.0025
Stddev	.0002	.0019	.003	.0010	.0001	.002	.0001	.0001	.002	.0003
%RSD	2.581	9.319	.2305	227.3	107.8	.0826	2.164	.0547	.1223	10.70
#1	.0068	.0215	1.282	.0011	.0001	2.575	.0040	.2020	1.796	-.0027
#2	.0066	.0189	1.286	-.0003	.0000	2.578	.0039	.2018	1.792	-.0023

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1486	.0044	.3584	.0042
Stddev	.0007	.0071	.0001	.0002
%RSD	.4461	161.4	.0168	3.914
#1	.1481	.0094	.3583	.0041
#2	.1491	-.0006	.3584	.0043

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1498.6	62500.	9364.2
Stddev	2.5	4.	13.0
%RSD	.16540	.00656	.13877
#1	1500.4	62497.	9373.4
#2	1496.9	62503.	9355.0

Zoom In Zoom Out

Sample Name: MC23975-3 Acquired: 9/3/2013 13:09:26 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0007	76.34	.0215	-.0286	.0216	.3114	.0035	27.68	.0011
Stddev	.0004	.03	.0014	.0002	.0001	.0012	.0000	.14	.0000
%RSD	57.60	.0394	6.566	.7964	.6306	.3748	1.049	.5133	.9465
#1	-.0004	76.31	.0225	-.0284	.0215	.3106	.0036	27.78	.0011
#2	-.0009	76.36	.0205	-.0288	.0217	.3122	.0035	27.58	.0011

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0492	.0733	.0891	117.6	6.443	26.22	1.979	.0023	1.530
Stddev	.0003	.0004	.0003	.2	.061	.10	.015	.0000	.007
%RSD	.5266	.6093	.3484	.2114	.9475	.3999	.7630	1.460	.4436
#1	.0490	.0736	.0888	117.7	6.400	26.29	1.990	.0023	1.525
#2	.0494	.0730	.0893	117.4	6.486	26.15	1.968	.0023	1.535

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0815	.1039	.0081	.0116	F2.353	.0000	-.0024	3.123	.0030
Stddev	.0006	.0015	.0010	.0026	.003	.0003	.0001	.011	.0004
%RSD	.7187	1.471	12.42	22.44	.1352	1334.	5.873	.3605	12.40
#1	.0819	.1028	.0074	.0098	2.351	.0002	-.0023	3.115	.0027
#2	.0811	.1050	.0088	.0134	2.355	-.0002	-.0025	3.131	.0032

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0728	2.261	-.0012	.1539	.0036	.3106	-.0013
Stddev	.0002	.019	.0001	.0008	.0051	.0002	.0005
%RSD	.2936	.8586	6.968	.4929	141.7	.0717	37.47
#1	.0727	2.275	-.0013	.1544	.0000	.3107	-.0010
#2	.0730	2.247	-.0012	.1534	.0072	.3104	-.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1566.8	64505.	9738.9
Stddev	.6	411.	85.0
%RSD	.03877	.63733	.87288
#1	1567.3	64215.	9678.8
#2	1566.4	64796.	9799.0

Zoom In Zoom Out

Sample Name: MC23975-4 Acquired: 9/3/2013 13:14:15 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	74.95	.0231	-.0318	.0203	.3015	.0037	21.25	.0009	.0484
Stddev	.0001	.21	.0004	.0003	.0000	.0012	.0001	.11	.0001	.0003
%RSD	20.11	.2779	1.536	.8793	.1894	.3910	2.730	.5268	8.621	.7053
#1	-.0004	75.10	.0234	-.0320	.0204	.3024	.0038	21.33	.0009	.0481
#2	-.0005	74.80	.0229	-.0316	.0203	.3007	.0037	21.17	.0010	.0486

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0723	.0993	126.6	6.256	26.96	2.780	.0021	1.656	.0801	.0806
Stddev	.0002	.0000	.6	.030	.14	.014	.0001	.016	.0004	.0004
%RSD	.2256	.0387	.4882	.4833	.5093	.4884	4.975	.9866	.4753	.4615
#1	.0724	.0993	127.0	6.277	27.06	2.790	.0020	1.645	.0803	.0809
#2	.0722	.0993	126.1	6.235	26.86	2.771	.0021	1.668	.0798	.0803

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0091	.0112	1.220	-.0001	-.0004	3.500	.0027	.0722	2.219	-.0022
Stddev	.0008	.0012	.001	.0001	.0013	.010	.0004	.0000	.003	.0007
%RSD	9.010	11.11	.1057	251.3	336.8	.2870	13.41	.0018	.1356	33.62
#1	.0085	.0104	1.219	.0000	-.0013	3.507	.0025	.0722	2.221	-.0027
#2	.0096	.0121	1.221	-.0001	.0005	3.493	.0030	.0722	2.217	-.0016

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2157	.0071	.3048	-.0064
Stddev	.0001	.0016	.0002	.0001
%RSD	.0481	21.99	.0611	1.907
#1	.2157	.0082	.3047	-.0064
#2	.2158	.0060	.3050	-.0065

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1557.0	63695.	9581.9
Stddev	2.0	213.	29.5
%RSD	.12877	.33398	.30748
#1	1558.5	63545.	9561.1
#2	1555.6	63846.	9602.8

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/3/2013 13:19:03 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2638	10.08	1.992	-.0122	2.016	2.014	2.077	10.33	2.021
Stddev	.0005	.08	.004	.0001	.003	.021	.020	.07	.005
%RSD	.1709	.7540	.2146	.5774	.1239	1.054	.9614	.6866	.2530
#1	.2642	10.14	1.995	-.0122	2.018	2.029	2.091	10.39	2.024
#2	.2635	10.03	1.989	-.0123	2.014	1.999	2.063	10.28	2.017

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	2.083	2.076	2.049	10.11	10.22	10.56	2.120	1.990	10.11
Stddev	.004	.001	.002	.08	.14	.08	.001	.003	.14
%RSD	.1780	.0466	.1018	.7730	1.357	.7920	.0604	.1409	1.377
#1	2.086	2.077	2.048	10.17	10.31	10.62	2.121	1.992	10.21
#2	2.081	2.076	2.050	10.06	10.12	10.50	2.119	1.988	10.01

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	1.950	1.975	.0007	.0121	F.0013	1.989	1.974	.1174	1.959
Stddev	.003	.002	.0017	.0034	.0006	.005	.004	.0026	.003
%RSD	.1575	.0814	231.2	27.97	51.03	.2616	.2206	2.232	.1295
#1	1.953	1.976	.0019	.0145	.0008	1.992	1.977	.1193	1.961
#2	1.948	1.973	-.0005	.0097	.0017	1.985	1.970	.1155	1.958

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	2.037	2.075	2.012	2.095	-.0071	1.997	-.0033
Stddev	.021	.002	.004	.001	.0035	.005	.0006
%RSD	1.020	.1082	.2210	.0415	49.54	.2403	19.25
#1	2.052	2.076	2.015	2.095	-.0046	2.001	-.0028
#2	2.022	2.073	2.009	2.096	-.0096	1.994	-.0037

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1393.2	56982.	8494.2
Stddev	2.6	66.	49.9
%RSD	.18552	.11643	.58738
#1	1391.4	56935.	8458.9
#2	1395.0	57028.	8529.5

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/3/2013 13:23:47 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0009	-.0008	-.0003	.0020	.0002	.0001	.0036	.0000	.0002
Stddev	.0003	.0056	.0000	.0007	.0006	.0000	.0000	.0011	.0000	.0001
%RSD	200.3	609.4	2.213	269.0	31.34	11.84	18.41	29.62	107.8	65.22
#1	-.0001	-.0030	-.0008	-.0008	.0025	.0002	.0001	.0028	.0001	.0003
#2	.0004	.0049	-.0008	.0002	.0016	.0002	.0001	.0043	.0000	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0006	.0005	.0044	-.0110	.0126	.0003	.0018	-.0131	.0002	.0007
Stddev	.0000	.0001	.0020	.0296	.0048	.0001	.0005	.0019	.0000	.0010
%RSD	7.118	18.83	45.48	268.7	38.37	39.30	28.50	14.39	6.625	139.5
#1	.0006	.0004	.0030	.0099	.0091	.0003	.0022	-.0145	.0002	.0015
#2	.0005	.0006	.0058	-.0320	.0160	.0002	.0015	-.0118	.0002	.0000

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0004	.0029	-.0013	.0009	-.0004	.0002	.0007	.0002	.0007	.0016
Stddev	.0011	.0041	.0016	.0008	.0006	.0003	.0001	.0000	.0000	.0011
%RSD	285.7	141.9	121.3	84.86	153.3	161.3	7.992	25.65	1.599	66.09
#1	.0011	.0058	-.0002	.0015	-.0008	.0000	.0007	.0002	.0007	.0023
#2	-.0004	.0000	-.0025	.0004	.0000	.0004	.0008	.0001	.0007	.0008

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0000	.0017	-.0005	.0004
Stddev	.001	.0028	.0000	.0000
%RSD	2107.	165.6	1.234	5.724
#1	.0003	.0037	-.0005	.0004
#2	-.0004	-.0003	-.0005	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1394.1	57127.	8540.9
Stddev	.3	80.	68.6
%RSD	.02460	.14026	.80369
#1	1393.9	57071.	8492.4
#2	1394.4	57184.	8589.5

Zoom In Zoom Out

Sample Name: MP21576-B1 Acquired: 9/3/2013 13:28:45 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2161	2.081	.5734	-.0039	.0024	1.973	.4982	.0126	.5275
Stddev	.0001	.030	.0018	.0005	.0001	.015	.0045	.0008	.0004
%RSD	.0678	1.429	.3158	12.22	3.644	.7337	.9006	6.461	.0836
#1	.2160	2.102	.5746	-.0036	.0024	1.983	.5014	.0121	.5272
#2	.2162	2.060	.5721	-.0043	.0025	1.962	.4951	.0132	.5278

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.4867	.5211	.5011	1.990	.2943	.0068	.5083	.0007	F1413.
Stddev	.0015	.0019	.0002	.001	.0059	.0073	.0003	.0000	16.
%RSD	.3001	.3616	.0308	.0628	2.010	107.1	.0524	1.473	1.149
#1	.4856	.5224	.5010	1.989	.2984	.0016	.5085	.0007	1425.
#2	.4877	.5197	.5012	1.991	.2901	.0119	.5082	.0007	1402.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4555	.9042	.0007	.0037	.0422	.5089	.5933	.0298	.0045
Stddev	.0014	.0027	.0016	.0030	.0004	.0025	.0004	.0010	.0001
%RSD	.3111	.2977	223.1	80.56	1.014	.4833	.0726	3.454	1.276
#1	.4545	.9061	.0018	.0059	.0425	.5106	.5930	.0305	.0044
#2	.4565	.9023	-.0004	.0016	.0419	.5072	.5936	.0291	.0045

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4870	.5091	.4416	.5338	-.0019	.5052	.0017
Stddev	.0038	.0016	.0020	.0023	.0020	.0029	.0001
%RSD	.7820	.3235	.4548	.4246	107.9	.5694	3.627
#1	.4897	.5080	.4430	.5322	-.0033	.5031	.0017
#2	.4843	.5103	.4401	.5354	-.0004	.5072	.0018

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1275.7	53708.	8459.9
Stddev	1.5	95.	68.1
%RSD	.11946	.17655	.80463
#1	1276.8	53641.	8411.8
#2	1274.6	53775.	8508.0

Zoom In Zoom Out

Sample Name: MP21576-MB1 Acquired: 9/3/2013 13:33:38 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	-.0005	-.0011	-.0006	.0005	.0002	.0000	-.0058	-.0001	.0000
Stddev	.0005	.0016	.0000	.0010	.0000	.0000	.000	.0031	.0000	.0001
%RSD	169.1	324.6	2.200	175.3	5.742	14.13	1452.	53.51	25.48	19850.
#1	.0001	-.0017	-.0012	-.0013	.0005	.0001	.0000	-.0036	.0000	-.0001
#2	-.0007	.0007	-.0011	.0001	.0005	.0002	.0000	-.0080	-.0001	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0008	.0003	.0043	.0084	-.0010	.0001	.0003	.3560	-.0002	.0000
Stddev	.0002	.0002	.0005	.0007	.0020	.0000	.0001	.0074	.0001	.0001
%RSD	20.16	72.86	11.23	8.610	195.5	20.94	20.18	2.090	34.76	221.9
#1	.0007	.0005	.0046	.0079	-.0024	.0002	.0003	.3613	-.0002	.0001
#2	.0009	.0002	.0040	.0089	.0004	.0001	.0002	.3508	-.0001	.0000

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0004	.0011	-.0037	.0004	.0005	.0070	-.0003	.0001	.0005	-.0009
Stddev	.0005	.0021	.0008	.0006	.0012	.0003	.0002	.0001	.0003	.0002
%RSD	134.7	197.4	20.42	146.3	228.8	4.667	67.05	101.4	61.18	17.08
#1	.0000	.0026	-.0032	.0008	.0014	.0068	-.0004	.0000	.0008	-.0008
#2	-.0007	-.0004	-.0043	.0000	-.0003	.0072	-.0001	.0001	.0003	-.0010

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0000	-.0023	.0003	.0000
Stddev	.0000	.0013	.0001	.0000
%RSD	86.84	54.76	46.92	14.16
#1	.0001	-.0032	.0002	.0000
#2	.0000	-.0014	.0004	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1376.0	57130.	8546.1
Stddev	.6	35.	38.3
%RSD	.04656	.06173	.44866
#1	1376.4	57155.	8573.3
#2	1375.5	57105.	8519.0

Zoom In Zoom Out

Sample Name: MP21576-S1 Acquired: 9/3/2013 13:38:37 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2189	2.335	.5879	-.0076	.0292	2.285	.5135	12.98	.5393
Stddev	.0002	.001	.0009	.0011	.0003	.013	.0045	.11	.0001
%RSD	.0863	.0303	.1614	14.87	.9769	.5873	.8728	.8552	.0095
#1	.2188	2.335	.5885	-.0068	.0290	2.294	.5166	12.90	.5393
#2	.2190	2.334	.5872	-.0084	.0294	2.275	.5103	13.06	.5393

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5000	.5268	.5168	2.023	1.333	2.399	1.726	.0002	F1459.
Stddev	.0009	.0006	.0016	.004	.011	.043	.000	.0000	7.
%RSD	.1777	.1218	.3189	.2189	.8462	1.776	.0215	9.046	.5096
#1	.5007	.5272	.5156	2.020	1.341	2.369	1.726	.0002	1464.
#2	.4994	.5263	.5179	2.026	1.325	2.430	1.727	.0002	1453.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4744	.9225	-.0009	.0102	.2282	.5219	.6091	1.496	.0045
Stddev	.0004	.0014	.0006	.0027	.0018	.0012	.0029	.000	.0006
%RSD	.0834	.1483	66.92	26.11	.7934	.2318	.4744	.0247	13.04
#1	.4741	.9235	-.0005	.0083	.2295	.5228	.6112	1.496	.0041
#2	.4747	.9215	-.0013	.0120	.2269	.5211	.6071	1.496	.0049

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.6582	.5109	.4491	.5403	-.0023	.5209	-.0064
Stddev	.0035	.0069	.0015	.0001	.0086	.0010	.0004
%RSD	.5271	1.354	.3396	.0132	375.8	.1920	6.493
#1	.6606	.5158	.4501	.5403	-.0084	.5202	-.0061
#2	.6557	.5060	.4480	.5402	.0038	.5216	-.0067

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1278.4	54223.	8469.0
Stddev	.0	3.	42.3
%RSD	.00356	.00598	.49933
#1	1278.3	54226.	8439.1
#2	1278.4	54221.	8498.9

Zoom In Zoom Out

Sample Name: MP21576-S2 Acquired: 9/3/2013 13:43:32 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2220	2.357	.5851	-.0083	.0285	2.288	.5100	12.82	.5385
Stddev	.0006	.010	.0005	.0024	.0002	.002	.0008	.15	.0005
%RSD	.2487	.4235	.0804	28.75	.8389	.1032	.1491	1.168	.0910
#1	.2224	2.364	.5847	-.0100	.0283	2.286	.5095	12.93	.5388
#2	.2216	2.350	.5854	-.0066	.0286	2.289	.5106	12.72	.5381

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.4976	.5317	.5107	1.998	1.348	2.336	1.737	.0002	F1433.
Stddev	.0005	.0003	.0010	.013	.009	.032	.002	.0000	9.
%RSD	.1096	.0501	.1949	.6728	.6910	1.380	.1337	18.56	.6381
#1	.4980	.5319	.5114	2.007	1.342	2.358	1.735	.0002	1439.
#2	.4972	.5315	.5100	1.988	1.355	2.313	1.739	.0003	1426.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4715	.9242	.0003	.0085	.2292	.5176	.6063	1.482	.0043
Stddev	.0011	.0039	.0005	.0006	.0032	.0019	.0052	.002	.0003
%RSD	.2297	.4207	202.7	7.162	1.396	.3586	.8498	.1271	6.661
#1	.4723	.9269	-.0001	.0081	.2270	.5189	.6099	1.483	.0045
#2	.4708	.9214	.0006	.0089	.2315	.5163	.6026	1.480	.0041

Elem	Sr4077	Ti3349	TI1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.6520	.5069	.4481	.5439	.0009	.5197	-.0033
Stddev	.0001	.0004	.0008	.0013	.0007	.0001	.0000
%RSD	.0174	.0716	.1687	.2444	81.20	.0113	1.114
#1	.6521	.5072	.4487	.5429	.0014	.5197	-.0032
#2	.6519	.5067	.4476	.5448	.0004	.5198	-.0033

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1283.8	53870.	8449.2
Stddev	1.3	18.	3.6
%RSD	.10374	.03267	.04214
#1	1282.8	53857.	8451.7
#2	1284.7	53882.	8446.6

Zoom In Zoom Out

Sample Name: MC23965-2A Acquired: 9/3/2013 13:48:26 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0001	.2503	.0045	-.0052	.1701	.3209	.0004	14.49
Stddev	.0001	.0014	.0006	.0016	.0007	.0027	.0000	.08
%RSD	139.5	.5704	14.03	31.52	.3855	.8474	11.74	.5184
#1	.0001	.2513	.0041	-.0040	.1696	.3228	.0005	14.44
#2	.0000	.2492	.0050	-.0064	.1706	.3189	.0004	14.55

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0004	.0057	.0019	.0068	.0354	1.522	2.603	1.228
Stddev	.0000	.0003	.0006	.0002	.0022	.010	.018	.000
%RSD	8.558	4.806	30.87	2.969	6.165	.6301	.6972	.0299
#1	.0004	.0059	.0023	.0070	.0369	1.515	2.591	1.227
#2	.0003	.0055	.0015	.0067	.0338	1.529	2.616	1.228

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0001	F1446.	.0147	.0038	-.0001	.0104	.2330	.0019
Stddev	.0001	1.	.0001	.0001	.0002	.0006	.0002	.0002
%RSD	74.30	.1008	.3648	1.485	168.5	5.775	.0941	8.718
#1	.0002	1447.	.0148	.0039	.0000	.0099	.2328	.0021
#2	.0001	1445.	.0147	.0038	-.0003	.0108	.2331	.0018

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	TI1908	V_2924	W_2397
Avg	.0120	1.545	.0052	.1662	.0015	F-.0050	.0004	.0017
Stddev	.0011	.001	.0000	.0016	.0004	.0013	.0004	.0032
%RSD	9.395	.0317	.2843	.9743	24.52	25.44	108.5	191.4
#1	.0128	1.545	.0052	.1673	.0018	-.0041	.0006	.0039
#2	.0112	1.545	.0052	.1650	.0012	-.0059	.0001	-.0006

Elem	Zn2062	Zr3391
Avg	.0123	-.0055
Stddev	.0002	.0001
%RSD	1.814	1.554
#1	.0125	-.0054
#2	.0122	-.0055

Zoom In Zoom Out

Sample Name: MC23965-2A Acquired: 9/3/2013 13:48:26 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1275.1	53581.	8437.9
Stddev	1.8	62.	3.4
%RSD	.13987	.11479	.04049
#1	1276.4	53624.	8440.3
#2	1273.9	53537.	8435.5

Zoom In Zoom Out

Sample Name: MP21576-SD1 Acquired: 9/3/2013 13:53:28 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.2887	.0015	-.0019	.1928	.3371	.0003	15.20	.0002	.0063
Stddev	.0005	.0294	.0009	.0038	.0007	.0021	.0003	.01	.0003	.0002
%RSD	227.8	10.20	57.78	198.5	.3660	.6188	91.21	.0848	184.5	3.467
#1	-.0005	.2679	.0009	-.0046	.1933	.3385	.0005	15.19	.0004	.0065
#2	.0001	.3095	.0021	.0008	.1923	.3356	.0001	15.21	.0000	.0061

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0048	.0080	.0535	1.357	2.911	1.285	.0002	1626.	.0150	.0028
Stddev	.0012	.0009	.0068	.113	.098	.003	.0000	8.	.0008	.0043
%RSD	25.81	10.97	12.69	8.327	3.379	.2554	8.692	.4823	5.043	153.3
#1	.0057	.0074	.0487	1.277	2.842	1.283	.0002	1621.	.0144	-.0002
#2	.0039	.0086	.0583	1.437	2.981	1.287	.0002	1632.	.0155	.0058

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	TI1908
Avg	-.0011	.0223	.2402	.0043	.0144	1.591	.0061	.1764	.0034	-.0023
Stddev	.0058	.0031	.0069	.0004	.0000	.011	.0021	.0009	.0005	.0003
%RSD	521.8	14.05	2.885	9.669	.3203	.7047	33.71	.4849	14.32	13.16
#1	-.0052	.0246	.2451	.0046	.0144	1.599	.0047	.1771	.0038	-.0025
#2	.0030	.0201	.2353	.0040	.0144	1.583	.0076	.1758	.0031	-.0021

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0011	-.0110	.0117	-.0026
Stddev	.0011	.0255	.0021	.0003
%RSD	100.4	232.9	18.18	10.13
#1	-.0018	-.0290	.0102	-.0028
#2	-.0003	.0071	.0132	-.0024

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1358.6	56614.	8579.0
Stddev	4.2	12.	45.0
%RSD	.30969	.02106	.52401
#1	1361.5	56606.	8610.8
#2	1355.6	56623.	8547.2

Zoom In Zoom Out

Sample Name: MP21576-LB1 Acquired: 9/3/2013 13:58:29 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0006	.0091	.0047	-.0008	.0009	.0020	.0000	.0219	.0000
Stddev	.0000	.0010	.0010	.0013	.0002	.0001	.000	.0023	.0000
%RSD	.5927	11.09	22.03	163.1	17.29	2.670	305.3	10.30	6.002
#1	-.0006	.0098	.0040	-.0017	.0008	.0020	-.0001	.0235	.0000
#2	-.0006	.0083	.0054	.0001	.0010	.0020	.0000	.0203	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0001	.0009	.0008	.0065	.3152	.0078	.0008	.0001	F1444.
Stddev	.0001	.0002	.0001	.0012	.0175	.0093	.0000	.0001	12.
%RSD	68.23	21.56	9.802	18.87	5.550	119.6	3.446	67.42	.8638
#1	-.0001	.0008	.0009	.0057	.3276	.0143	.0008	.0000	1453.
#2	-.0002	.0010	.0007	.0074	.3028	.0012	.0008	.0001	1435.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0033	-.0004	-.0003	.0017	.0403	.0014	.0106	.0252	.0060
Stddev	.0002	.0005	.0009	.0001	.0009	.0002	.0017	.0004	.0000
%RSD	5.315	133.0	297.9	7.668	2.296	17.31	15.61	1.494	.2824
#1	.0035	.0000	-.0010	.0018	.0410	.0015	.0117	.0255	.0060
#2	.0032	-.0007	.0003	.0016	.0397	.0012	.0094	.0250	.0060

Elem	Sr4077	Ti3349	TI1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0020	.0006	-.0049	-.0001	-.0005	-.0007	.0026
Stddev	.0000	.0001	.0002	.0004	.0013	.0001	.0000
%RSD	.0049	9.407	3.878	719.9	263.4	17.85	1.076
#1	.0020	.0005	-.0050	.0002	.0004	-.0006	.0027
#2	.0020	.0006	-.0047	-.0004	-.0015	-.0008	.0026

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1267.6	53177.	8392.0
Stddev	3.3	205.	4.8
%RSD	.26352	.38628	.05751
#1	1265.3	53032.	8388.6
#2	1270.0	53322.	8395.5

Zoom In Zoom Out

Sample Name: MC23973-1A Acquired: 9/3/2013 14:03:34 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0000	.3071	.0005	-.0099	.2631	.1970	.0000	F866.5	.0007
Stddev	.0003	.0116	.0022	.0010	.0011	.0011	.0000	4.0	.0001
%RSD	661.7	3.789	430.1	10.23	.4119	.5401	542.8	.4574	9.416
#1	-.0001	.2989	-.0011	-.0107	.2639	.1962	.0000	863.7	.0007
#2	.0002	.3154	.0021	-.0092	.2623	.1977	.0000	869.3	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0159	.0014	.0036	.0056	6.970	63.40	1.549	.0004	F1598.
Stddev	.0003	.0003	.0001	.0008	.011	.32	.000	.0000	15.
%RSD	1.599	21.17	2.623	13.85	.1592	.5065	.0134	2.059	.9522
#1	.0161	.0016	.0035	.0051	6.963	63.17	1.549	.0004	1587.
#2	.0157	.0012	.0037	.0062	6.978	63.62	1.549	.0004	1609.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0212	-.0012	-.0321	.0147	F55.31	.0041	.0123	1.158	.0049
Stddev	.0008	.0001	.0001	.0061	.02	.0001	.0018	.004	.0000
%RSD	3.729	5.659	.3696	41.59	.0435	1.372	14.82	.3676	.1397
#1	.0217	-.0012	-.0321	.0190	55.33	.0041	.0136	1.161	.0049
#2	.0206	-.0011	-.0322	.0104	55.29	.0041	.0110	1.155	.0049

Elem	Sr4077	Ti3349	TI1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.360	.0044	-.0030	.0001	-.0018	.0253	.0025
Stddev	.001	.0002	.0012	.0002	.0018	.0001	.0002
%RSD	.1064	4.708	39.89	178.7	99.25	.5623	6.586
#1	1.361	.0045	-.0039	.0000	-.0005	.0252	.0024
#2	1.359	.0043	-.0022	.0002	-.0031	.0254	.0026

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1161.2	50393.	7931.9
Stddev	.9	10.	8.1
%RSD	.07636	.01981	.10169
#1	1161.8	50386.	7926.2
#2	1160.5	50400.	7937.6

Zoom In Zoom Out

Sample Name: MC23973-2A Acquired: 9/3/2013 14:08:39 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0002	.2892	.0010	-.0072	.2959	.7029	.0000	F749.6	.0012
Stddev	.0004	.0002	.0016	.0016	.0011	.0110	.000	10.9	.0000
%RSD	215.1	.0769	162.3	22.85	.3748	1.564	240.5	1.452	3.553
#1	.0001	.2890	-.0001	-.0083	.2967	.7107	-.0001	757.3	.0013
#2	-.0004	.2893	.0021	-.0060	.2951	.6952	.0000	741.9	.0012

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0008	.0013	.0035	.0027	2.819	63.64	1.166	.0004	F1537.
Stddev	.0002	.0010	.0002	.0031	.038	.08	.011	.0000	29.
%RSD	23.46	76.71	4.655	116.9	1.362	.1204	.9329	13.41	1.864
#1	-.0006	.0006	.0036	.0049	2.846	63.69	1.174	.0004	1557.
#2	-.0009	.0020	.0034	.0005	2.792	63.58	1.159	.0003	1517.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0138	-.0010	-.0285	.0076	F2.080	.0042	.0114	2.718	.0047
Stddev	.0001	.0006	.0004	.0075	.013	.0002	.0006	.015	.0001
%RSD	.5757	59.27	1.242	97.92	.6300	5.677	5.226	.5360	2.034
#1	.0137	-.0014	-.0282	.0023	2.089	.0044	.0119	2.728	.0047
#2	.0138	-.0006	-.0287	.0129	2.071	.0040	.0110	2.708	.0046

Elem	Sr4077	Ti3349	TI1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.664	.0042	-.0027	.0006	-.0022	.0132	-.0070
Stddev	.033	.0001	.0014	.0004	.0029	.0001	.0004
%RSD	1.985	3.115	52.47	74.30	133.5	.7793	5.427
#1	1.687	.0041	-.0017	.0009	-.0042	.0133	-.0067
#2	1.640	.0043	-.0037	.0003	-.0001	.0132	-.0073

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1183.8	50641.	7930.3
Stddev	3.3	407.	125.0
%RSD	.27513	.80446	1.5768
#1	1181.5	50353.	7841.8
#2	1186.1	50929.	8018.7

Zoom In Zoom Out

Sample Name: MC23974-1A Acquired: 9/3/2013 14:13:44 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0003	.3655	.0040	-.0088	1.123	.5618	.0001	470.9	.0013
Stddev	.0002	.0104	.0013	.0007	.002	.0039	.0001	5.4	.0001
%RSD	66.51	2.839	32.31	8.493	.1481	.6903	112.4	1.152	6.197
#1	-.0005	.3728	.0031	-.0094	1.124	.5645	.0000	474.7	.0013
#2	-.0002	.3581	.0049	-.0083	1.121	.5590	.0001	467.0	.0014

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0019	.0022	.0035	.1097	2.560	94.93	1.984	.0002	F1537.
Stddev	.0000	.0005	.0000	.0020	.025	.01	.018	.0000	17.
%RSD	1.279	23.42	.8340	1.851	.9963	.0157	.8930	6.406	1.120
#1	.0019	.0026	.0035	.1111	2.578	94.92	1.972	.0002	1549.
#2	.0019	.0018	.0035	.1082	2.541	94.94	1.997	.0002	1525.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0023	-.0011	-.0194	.0168	.4212	.0030	.0118	1.456	.0042
Stddev	.0000	.0016	.0018	.0048	.0001	.0005	.0003	.000	.0000
%RSD	1.474	145.2	9.453	28.87	.0219	17.42	2.242	.0066	.3355
#1	.0023	-.0022	-.0207	.0202	.4213	.0027	.0120	1.456	.0042
#2	.0023	.0000	-.0181	.0133	.4212	.0034	.0116	1.456	.0042

Elem	Sr4077	Ti3349	TI1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.6467	.0085	-.0040	.0012	.0002	.0567	.0033
Stddev	.0032	.0005	.0007	.0002	.0035	.0001	.0006
%RSD	.4929	5.480	16.85	20.60	1907.	.2402	17.48
#1	.6489	.0081	-.0045	.0014	.0027	.0566	.0029
#2	.6444	.0088	-.0035	.0010	-.0023	.0568	.0037

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1194.1	51125.	8062.2
Stddev	2.0	321.	67.4
%RSD	.16464	.62746	.83651
#1	1192.7	51352.	8014.5
#2	1195.5	50898.	8109.9

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/3/2013 14:28:48 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.2493	9.850	1.944	-.0108	1.955	1.954	2.014	9.999
Stddev	.0000	.021	.005	.0008	.003	.003	.009	.082
%RSD	.0098	.2121	.2644	7.521	.1612	.1611	.4300	.8236
#1	.2493	9.835	1.941	-.0114	1.953	1.952	2.008	9.941
#2	.2493	9.865	1.948	-.0103	1.957	1.956	2.020	10.06

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	1.955	2.026	1.986	1.979	9.938	9.889	9.983	2.023
Stddev	.001	.002	.006	.006	.057	.009	.016	.005
%RSD	.0349	.0902	.3129	.3031	.5763	.0927	.1586	.2477
#1	1.955	2.027	1.990	1.975	9.897	9.882	9.972	2.026
#2	1.955	2.025	1.981	1.983	9.978	9.895	9.994	2.019

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	1.940	10.07	1.908	1.927	.0008	.0118	F-.0073	1.938
Stddev	.002	.04	.002	.002	.0008	.0010	.0002	.002
%RSD	.1121	.3473	.0906	.0827	101.3	8.152	3.033	.0895
#1	1.938	10.05	1.907	1.928	.0002	.0111	-.0072	1.937
#2	1.941	10.10	1.909	1.926	.0014	.0125	-.0075	1.939

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	1.932	.1135	1.926	1.982	1.985	1.957	2.002	-.0099
Stddev	.007	.0015	.000	.005	.003	.004	.000	.0019
%RSD	.3699	1.363	.0124	.2556	.1263	.1836	.0159	19.30
#1	1.937	.1146	1.926	1.979	1.986	1.960	2.002	-.0086
#2	1.927	.1124	1.926	1.986	1.983	1.955	2.002	-.0113

Elem	Zn2062	Zr3391
Avg	1.943	-.0073
Stddev	.002	.0004
%RSD	.0876	5.397
#1	1.944	-.0070
#2	1.942	-.0076

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/3/2013 14:28:48 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1391.6	57727.	8564.7
Stddev	1.2	160.	69.0
%RSD	.08701	.27700	.80613
#1	1392.4	57614.	8613.5
#2	1390.7	57840.	8515.8

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/3/2013 14:33:31 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0001	.0054	.0002	.0000	.0022	.0000	.0001	.0034
Stddev	.0002	.0037	.0012	.0000	.0000	.0000	.0000	.0010
%RSD	142.4	69.87	528.9	112.3	.1487	77.53	22.75	29.94
#1	.0000	.0027	-.0006	.0000	.0022	.0000	.0001	.0027
#2	.0003	.0080	.0010	.0000	.0022	.0001	.0001	.0042

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0000	.0000	.0009	.0003	.0023	-.0162	-.0067	.0002
Stddev	.0000	.000	.0001	.0002	.0017	.0022	.0405	.0001
%RSD	97.50	130.1	7.543	49.97	71.79	13.68	603.8	39.92
#1	.0000	.0000	.0009	.0002	.0012	-.0146	.0219	.0002
#2	.0001	.0000	.0008	.0004	.0035	-.0177	-.0353	.0001

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0018	.2915	.0001	.0001	.0007	.0030	F-.0027	.0008
Stddev	.0003	.0121	.0003	.0004	.0003	.0014	.0002	.0009
%RSD	17.51	4.151	356.3	371.0	41.65	46.20	7.451	116.4
#1	.0021	.3001	-.0001	.0004	.0005	.0020	-.0029	.0001
#2	.0016	.2829	.0003	-.0002	.0010	.0039	-.0026	.0014

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	-.0005	-.0001	.0007	.0000	.0006	.0007	-.0001	.0081
Stddev	.0014	.0003	.0005	.0000	.0004	.0010	.0000	.0026
%RSD	289.1	317.9	70.53	15.58	63.31	147.0	22.55	32.09
#1	.0005	.0001	.0003	.0000	.0003	.0013	-.0001	.0063
#2	-.0015	-.0003	.0010	.0000	.0009	.0000	-.0001	.0100

Elem	Zn2062	Zr3391
Avg	-.0004	.0001
Stddev	.0000	.0000
%RSD	5.579	11.66
#1	-.0004	.0001
#2	-.0004	.0001

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/3/2013 14:33:31 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1386.8	57632.	8507.8
Stddev	.7	117.	29.0
%RSD	.04867	.20248	.34118
#1	1386.3	57715.	8487.3
#2	1387.3	57550.	8528.4

Zoom In Zoom Out

Sample Name: MC23974-2A Acquired: 9/3/2013 14:38:30 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0001	.3101	.0039	-.0060	.2725	1.326	.0001	504.6
Stddev	.0002	.0018	.0020	.0010	.0001	.003	.0000	2.1
%RSD	116.6	.5851	49.68	17.29	.0355	.2426	44.35	.4086
#1	-.0003	.3088	.0025	-.0053	.2725	1.328	.0000	503.1
#2	.0000	.3114	.0053	-.0067	.2724	1.324	.0001	506.0

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0018	-.0005	.0013	.0055	.0649	3.486	129.2	1.224
Stddev	.0000	.0001	.0004	.0002	.0014	.014	.8	.001
%RSD	1.258	13.49	32.31	3.370	2.190	.4081	.5885	.0799
#1	.0018	-.0005	.0010	.0054	.0639	3.496	128.7	1.224
#2	.0018	-.0004	.0016	.0056	.0659	3.476	129.7	1.223

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0012	F1558.	.0083	-.0010	-.0197	.0153	.7635	.0029
Stddev	.0001	8.	.0005	.0010	.0000	.0014	.0032	.0002
%RSD	6.008	.5152	5.460	97.74	.1536	8.977	.4221	5.832
#1	.0013	1552.	.0086	-.0003	-.0198	.0163	.7657	.0030
#2	.0012	1564.	.0080	-.0017	-.0197	.0144	.7612	.0027

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0120	3.442	.0047	.6982	.0077	F-.0052	.0004	-.0050
Stddev	.0005	.001	.0010	.0020	.0006	.0007	.0004	.0036
%RSD	4.333	.0308	22.03	.2851	7.838	12.98	114.2	70.91
#1	.0116	3.442	.0054	.6996	.0081	-.0047	.0001	-.0075
#2	.0123	3.441	.0039	.6968	.0072	-.0057	.0007	-.0025

Elem	Zn2062	Zr3391
Avg	.0247	-.0122
Stddev	.0000	.0003
%RSD	.0014	2.260
#1	.0247	-.0124
#2	.0247	-.0120

Zoom In Zoom Out

Sample Name: MC23974-2A Acquired: 9/3/2013 14:38:30 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1173.4	51653.	8063.6
Stddev	1.3	154.	13.9
%RSD	.11297	.29779	.17272
#1	1172.5	51544.	8073.5
#2	1174.4	51762.	8053.8

Zoom In Zoom Out

Sample Name: MC24022-1 Acquired: 9/3/2013 14:43:36 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0003	.8624	.0037	-.0028	.6134	.4697	.0001	4.359	.0021
Stddev	.0000	.0029	.0003	.0001	.0042	.0020	.0000	.002	.0000
%RSD	4.693	.3377	7.217	5.362	.6801	.4269	51.78	.0385	2.258
#1	-.0002	.8644	.0035	-.0029	.6164	.4711	.0001	4.361	.0020
#2	-.0003	.8603	.0039	-.0027	.6105	.4683	.0001	4.358	.0021

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0027	.0063	.0124	11.22	1.692	.3330	.1554	.0005	F1440.
Stddev	.0000	.0001	.0002	.01	.017	.0254	.0006	.0000	4.
%RSD	1.599	1.040	1.883	.1129	1.013	7.626	.4115	.1792	.2860
#1	.0028	.0062	.0122	11.23	1.704	.3510	.1549	.0005	1443.
#2	.0027	.0063	.0125	11.21	1.680	.3151	.1559	.0005	1437.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0151	.0008	.0002	.0063	.2482	.0010	.0119	1.353	.0058
Stddev	.0000	.0008	.0006	.0021	.0005	.0003	.0002	.002	.0002
%RSD	.1461	101.5	309.1	32.75	.1950	25.27	1.955	.1085	2.648
#1	.0151	.0002	-.0002	.0077	.2485	.0012	.0117	1.354	.0057
#2	.0151	.0014	.0007	.0048	.2478	.0008	.0120	1.352	.0059

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0214	.0094	-.0046	.0001	.0047	.1635	-.0051
Stddev	.0002	.0003	.0006	.0002	.0081	.0012	.0001
%RSD	.8405	3.096	12.98	125.8	170.9	.7260	2.872
#1	.0215	.0092	-.0042	.0000	-.0010	.1643	-.0052
#2	.0213	.0096	-.0050	.0003	.0105	.1626	-.0050

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1259.7	54066.	8312.2
Stddev	4.1	350.	51.0
%RSD	.32830	.64811	.61355
#1	1256.8	53818.	8276.1
#2	1262.6	54314.	8348.2

Zoom In Zoom Out

Sample Name: MC24022-2 Acquired: 9/3/2013 14:48:37 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0000	.7144	.0059	-.0022	.3951	.6515	.0001	13.15
Stddev	.0002	.0103	.0006	.0002	.0005	.0163	.0000	.02
%RSD	809.6	1.445	9.447	7.334	.1253	2.503	2.002	.1405
#1	-.0001	.7217	.0055	-.0021	.3947	.6630	.0001	13.16
#2	.0002	.7071	.0063	-.0023	.3954	.6399	.0001	13.13

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0255	.0013	.0035	.1869	.7213	2.384	1.565	.3654
Stddev	.0001	.0001	.0002	.0025	.0083	.015	.057	.0002
%RSD	.4762	5.499	5.240	1.361	1.153	.6454	3.667	.0576
#1	.0256	.0013	.0037	.1887	.7154	2.395	1.606	.3656
#2	.0254	.0012	.0034	.1852	.7272	2.374	1.525	.3653

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0007	F1243.	.0139	.0092	-.0004	.0071	F5.690	.0022
Stddev	.0001	15.	.0002	.0004	.0000	.0006	.003	.0000
%RSD	12.14	1.215	1.262	4.473	5.064	8.798	.0552	.8009
#1	.0006	1253.	.0141	.0089	-.0004	.0076	5.692	.0022
#2	.0007	1232.	.0138	.0095	-.0004	.0067	5.688	.0022

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0095	.3114	.0048	.0253	.0110	F-.0052	-.0002	-.0023
Stddev	.0006	.0046	.0007	.0001	.0011	.0003	.0002	.0011
%RSD	6.594	1.476	14.61	.5685	10.24	6.323	126.4	48.27
#1	.0090	.3146	.0053	.0254	.0118	-.0050	-.0003	-.0031
#2	.0099	.3081	.0043	.0252	.0102	-.0055	.0000	-.0015

Elem	Zn2062	Zr3391
Avg	.3527	.0013
Stddev	.0008	.0005
%RSD	.2145	37.31
#1	.3532	.0016
#2	.3521	.0009

Zoom In Zoom Out

Sample Name: MC24022-2 Acquired: 9/3/2013 14:48:37 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1266.1	54341.	8371.4
Stddev	1.3	38.	168.4
%RSD	.09919	.06921	2.0122
#1	1266.9	54314.	8252.3
#2	1265.2	54367.	8490.5

Zoom In Zoom Out

Sample Name: RINSECONF Acquired: 9/3/2013 14:59:03 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	.0063	-.0001	-.0007	.0005	.0000	.0000	.0055	-.0001	.0000
Stddev	.0002	.0014	.0004	.0007	.0001	.0001	.000	.0013	.0000	.000
%RSD	68.45	21.80	345.4	98.03	17.49	308.9	675.2	23.11	21.91	109.0
#1	-.0004	.0054	.0002	-.0002	.0005	.0000	.0000	.0064	-.0001	.0000
#2	-.0001	.0073	-.0004	-.0012	.0004	.0001	.0000	.0046	-.0002	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0005	.0002	.0033	-.0214	.0171	.0000	.0001	.3659	-.0001	.0003
Stddev	.0000	.0006	.0003	.0222	.0162	.000	.0001	.0019	.0001	.0003
%RSD	3.338	348.4	9.050	103.5	95.13	73.22	142.7	.5150	146.2	93.26
#1	.0005	.0006	.0031	-.0057	.0056	-.0001	.0000	.3672	-.0001	.0001
#2	.0005	-.0003	.0035	-.0371	.0285	.0000	.0001	.3645	.0000	.0006

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0004	.0019	-.0025	.0004	.0000	-.0039	.0009	.0000	.0006	-.0006
Stddev	.0013	.0004	.0021	.0000	.001	.0005	.0002	.0001	.0001	.0011
%RSD	319.6	19.87	83.04	6.640	1237.	12.07	24.08	6754.	21.82	177.9
#1	.0013	.0021	-.0010	.0004	.0003	-.0043	.0007	.0000	.0007	-.0014
#2	-.0005	.0016	-.0039	.0004	-.0004	-.0036	.0010	.0000	.0005	.0002

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0002	.0012	-.0002	.0004
Stddev	.0002	.0001	.0000	.0001
%RSD	157.3	10.08	13.36	21.44
#1	-.0003	.0013	-.0002	.0003
#2	.0000	.0012	-.0002	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1373.3	57506.	8504.8
Stddev	1.8	72.	2.4
%RSD	.13227	.12486	.02806
#1	1374.6	57556.	8506.5
#2	1372.0	57455.	8503.2

Zoom In Zoom Out

Sample Name: CRI Acquired: 9/3/2013 15:04:50 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0052	.2048	.0034	.0005	.1016	.0512	.0043	4.996
Stddev	.0002	.0026	.0015	.0010	.0010	.0000	.0000	.027
%RSD	3.069	1.294	44.62	215.5	1.014	.0209	.5231	.5489
#1	.0053	.2029	.0045	.0012	.1023	.0512	.0043	5.016
#2	.0050	.2066	.0023	-.0003	.1008	.0512	.0043	4.977

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0042	.0525	.0107	.0249	.1030	4.984	4.957	.0164
Stddev	.0001	.0001	.0001	.0003	.0010	.008	.051	.0002
%RSD	1.210	.2197	1.133	1.285	.9963	.1661	1.036	1.123
#1	.0042	.0526	.0108	.0251	.1037	4.978	4.994	.0162
#2	.0041	.0525	.0106	.0246	.1023	4.990	4.921	.0165

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.1007	5.298	.0401	.0045	.0001	.0008	F-.0031	.0068
Stddev	.0005	.005	.0003	.0004	.0002	.0020	.0016	.0000
%RSD	.4753	.0979	.6294	8.171	213.8	252.7	49.91	.6295
#1	.1010	5.302	.0403	.0047	-.0001	-.0006	-.0020	.0068
#2	.1004	5.294	.0399	.0042	.0003	.0022	-.0043	.0068

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0107	-.0019	.0979	.0101	.0534	.0051	.0102	-.0004
Stddev	.0013	.0012	.0002	.0000	.0004	.0004	.0002	.0014
%RSD	12.25	61.55	.1872	.4613	.7006	8.013	1.475	305.2
#1	.0098	-.0011	.0981	.0101	.0531	.0054	.0101	-.0014
#2	.0116	-.0027	.0978	.0102	.0537	.0048	.0103	.0005

Elem	Zn2062	Zr3391
Avg	.0208	.0002
Stddev	.0000	.0004
%RSD	.0391	164.9
#1	.0209	.0000
#2	.0208	.0005

Zoom In Zoom Out

Sample Name: CRI Acquired: 9/3/2013 15:04:50 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1383.6	57448.	8535.5
Stddev	4.7	236.	58.8
%RSD	.34328	.41158	.68863
#1	1380.2	57615.	8493.9
#2	1386.9	57280.	8577.1

Zoom In Zoom Out

Sample Name: CRIA Acquired: 9/3/2013 15:09:46 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0049	.2055	.0105	.0004	.1004	.0510	.0042	5.055
Stddev	.0002	.0033	.0009	.0004	.0009	.0001	.0000	.008
%RSD	4.932	1.598	8.969	113.9	.8830	.1731	.4788	.1655
#1	.0050	.2032	.0111	.0001	.1010	.0510	.0042	5.050
#2	.0047	.2079	.0098	.0007	.0997	.0511	.0042	5.061

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0041	.0523	.0109	.0248	.1029	5.023	5.026	.0163
Stddev	.0001	.0003	.0003	.0007	.0011	.028	.001	.0004
%RSD	2.172	.5474	2.612	2.928	1.094	.5604	.0157	2.710
#1	.0042	.0525	.0107	.0243	.1021	5.003	5.025	.0160
#2	.0040	.0521	.0111	.0253	.1037	5.043	5.026	.0166

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0998	5.232	.0398	.0102	.0004	.0002	F-.0020	.0111
Stddev	.0003	.003	.0003	.0000	.0001	.0012	.0007	.0000
%RSD	.2825	.0593	.6824	.3615	25.10	765.0	34.78	.3168
#1	.1000	5.234	.0400	.0102	.0004	-.0007	-.0015	.0110
#2	.0996	5.230	.0396	.0102	.0005	.0010	-.0025	.0111

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0101	.0008	.0967	.0101	.0536	.0102	.0099	.0019
Stddev	.0001	.0010	.0014	.0001	.0014	.0009	.0004	.0027
%RSD	1.036	128.4	1.470	1.252	2.592	8.625	4.202	138.4
#1	.0101	.0014	.0977	.0102	.0526	.0109	.0096	.0039
#2	.0100	.0001	.0957	.0100	.0546	.0096	.0102	.0000

Elem	Zn2062	Zr3391
Avg	.0241	.0002
Stddev	.0005	.0005
%RSD	2.257	231.6
#1	.0245	-.0001
#2	.0237	.0006

Zoom In Zoom Out

Sample Name: CRIA Acquired: 9/3/2013 15:09:46 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1384.8	56955.	8391.4
Stddev	1.7	62.	59.6
%RSD	.11931	.10921	.70973
#1	1386.0	56999.	8349.3
#2	1383.6	56911.	8433.5

Zoom In Zoom Out

Sample Name: CRIB Acquired: 9/3/2013 15:14:40 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0051	.1965	.0086	.0002	.0999	.5200	.0042	5.036
Stddev	.0004	.0047	.0015	.0003	.0005	.0059	.0000	.012
%RSD	7.299	2.389	17.57	126.2	.5318	1.126	.3882	.2413
#1	.0053	.1931	.0097	.0004	.1003	.5242	.0042	5.044
#2	.0048	.1998	.0076	.0000	.0995	.5159	.0042	5.027

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0042	.0520	.0104	.0248	.1104	5.077	5.129	.0165
Stddev	.0002	.0004	.0004	.0006	.0037	.012	.140	.0002
%RSD	5.693	.7842	3.792	2.615	3.353	.2446	2.720	1.420
#1	.0044	.0523	.0101	.0243	.1078	5.086	5.228	.0163
#2	.0041	.0517	.0107	.0252	.1130	5.068	5.030	.0166

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0994	5.210	.0394	.0101	-.0007	.0031	F-.0039	.0063
Stddev	.0004	.012	.0003	.0007	.0008	.0021	.0009	.0005
%RSD	.4363	.2333	.7449	6.861	111.2	68.83	21.96	7.659
#1	.0997	5.201	.0396	.0096	-.0012	.0046	-.0033	.0067
#2	.0991	5.218	.0392	.0106	-.0001	.0016	-.0045	.0060

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0241	.0009	.0956	.0101	.0533	.0059	.0100	.0010
Stddev	.0004	.0001	.0009	.0000	.0002	.0005	.0005	.0077
%RSD	1.741	16.55	.9603	.4909	.3675	7.773	4.857	735.4
#1	.0244	.0008	.0962	.0100	.0532	.0063	.0104	-.0044
#2	.0238	.0010	.0949	.0101	.0534	.0056	.0097	.0065

Elem	Zn2062	Zr3391
Avg	.1073	.0001
Stddev	.0004	.0002
%RSD	.3894	156.7
#1	.1076	.0000
#2	.1070	.0002

Zoom In Zoom Out

Sample Name: CRIB Acquired: 9/3/2013 15:14:40 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1393.7	56726.	8348.9
Stddev	.3	17.	90.2
%RSD	.01945	.02994	1.0800
#1	1393.9	56714.	8285.1
#2	1393.5	56738.	8412.7

Zoom In Zoom Out

Sample Name: ICSA Acquired: 9/3/2013 15:19:35 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0009	518.6	-.0016	-.0316	.0006	.0020	.0001	455.8
Stddev	.0004	5.2	.0011	.0010	.0009	.0000	.0001	1.1
%RSD	43.00	1.001	71.88	3.312	143.0	.7999	45.57	.2370
#1	.0006	522.2	-.0024	-.0309	.0000	.0020	.0001	455.1
#2	.0012	514.9	-.0008	-.0323	.0012	.0020	.0001	456.6

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0009	.0017	.0002	.0004	176.8	.0230	538.6	.0010
Stddev	.0001	.0000	.0001	.0003	1.3	.0118	3.3	.0000
%RSD	10.31	1.109	52.63	62.57	.7127	51.29	.6180	4.505
#1	.0010	.0017	.0001	.0006	175.9	.0146	536.3	.0010
#2	.0009	.0017	.0003	.0002	177.7	.0313	541.0	.0011

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	-.0013	.4143	-.0020	-.0008	-.0142	-.0236	F-.0255	.0012
Stddev	.0004	.0028	.0005	.0001	.0013	.0041	.0015	.0015
%RSD	31.55	.6795	24.30	16.66	9.071	17.42	5.792	124.3
#1	-.0015	.4162	-.0017	-.0009	-.0151	-.0207	-.0245	.0001
#2	-.0010	.4123	-.0024	-.0007	-.0133	-.0266	-.0266	.0022

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	-.0055	.0300	.0004	.0009	.0078	-.0006	.0004	-.0247
Stddev	.0014	.0007	.0009	.0001	.0000	.0014	.0003	.0006
%RSD	25.67	2.259	230.2	7.339	.3949	225.6	72.57	2.253
#1	-.0045	.0295	-.0002	.0008	.0078	.0004	.0005	-.0243
#2	-.0065	.0305	.0010	.0009	.0079	-.0017	.0002	-.0251

Elem	Zn2062	Zr3391
Avg	-.0027	.0070
Stddev	.0001	.0001
%RSD	1.946	1.404
#1	-.0028	.0070
#2	-.0027	.0071

Zoom In Zoom Out

Sample Name: ICSA Acquired: 9/3/2013 15:19:35 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1283.4	52593.	8200.0
Stddev	2.5	102.	36.6
%RSD	.19687	.19482	.44669
#1	1281.6	52521.	8225.9
#2	1285.2	52666.	8174.1

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 9/3/2013 15:24:38 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	1.082	515.4	1.961	.4623	.9585	.4960	.4699	449.9
Stddev	.001	2.7	.004	.0040	.0024	.0013	.0003	1.0
%RSD	.0854	.5208	.2175	.8580	.2478	.2582	.0718	.2315
#1	1.082	513.5	1.964	.4651	.9602	.4969	.4702	450.7
#2	1.083	517.3	1.958	.4595	.9568	.4951	.4697	449.2

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	1.007	.4615	.4855	.5172	175.3	.0243	531.3	.5030
Stddev	.000	.0003	.0015	.0018	.5	.0079	1.1	.0000
%RSD	.0017	.0753	.3107	.3427	.2793	32.54	.2011	.0076
#1	1.007	.4613	.4844	.5185	175.6	.0299	530.5	.5029
#2	1.007	.4618	.4865	.5160	174.9	.0187	532.1	.5030

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.9171	.4254	.8179	.8591	.5166	.4837	F-.0274	1.978
Stddev	.0007	.0065	.0002	.0014	.0024	.0045	.0019	.002
%RSD	.0717	1.526	.0262	.1670	.4713	.9201	6.800	.1012
#1	.9176	.4208	.8180	.8601	.5149	.4868	-.0287	1.979
#2	.9167	.4300	.8177	.8581	.5184	.4805	-.0261	1.976

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	1.920	1.974	.9126	.9561	.5115	1.805	.5174	1.952
Stddev	.002	.002	.0026	.0003	.0074	.004	.0007	.006
%RSD	.1131	.1021	.2806	.0292	1.454	.2090	.1364	.3254
#1	1.921	1.975	.9145	.9563	.5062	1.808	.5169	1.957
#2	1.918	1.972	.9108	.9559	.5167	1.802	.5179	1.948

Elem	Zn2062	Zr3391
Avg	.8737	.4286
Stddev	.0003	.0036
%RSD	.0359	.8484
#1	.8735	.4260
#2	.8740	.4312

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 9/3/2013 15:24:38 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1286.3	52728.	8305.4
Stddev	1.1	84.	27.1
%RSD	.08365	.15871	.32610
#1	1285.5	52787.	8286.2
#2	1287.1	52669.	8324.5

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/3/2013 15:29:33 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.2651	10.26	1.967	-.0109	1.988	2.034	2.107	10.51
Stddev	.0003	.01	.008	.0006	.008	.001	.006	.03
%RSD	.1001	.1031	.3936	5.352	.4086	.0706	.2664	.2674
#1	.2650	10.25	1.972	-.0105	1.994	2.033	2.103	10.49
#2	.2653	10.27	1.961	-.0113	1.982	2.035	2.111	10.53

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	2.012	2.067	2.079	2.040	10.20	10.31	10.65	2.131
Stddev	.004	.004	.001	.002	.01	.06	.04	.001
%RSD	.2260	.2098	.0508	.1143	.0554	.5467	.3796	.0595
#1	2.015	2.070	2.078	2.038	10.20	10.35	10.62	2.130
#2	2.009	2.064	2.080	2.041	10.19	10.27	10.68	2.132

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	1.968	10.22	1.927	1.960	.0017	.0066	F-.0069	1.961
Stddev	.003	.01	.006	.006	.0020	.0036	.0007	.006
%RSD	.1720	.0581	.2932	.2861	118.9	53.93	10.65	.3018
#1	1.970	10.22	1.931	1.964	.0003	.0041	-.0074	1.965
#2	1.965	10.22	1.923	1.956	.0031	.0091	-.0064	1.957

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	1.936	.1041	1.935	2.054	2.069	1.994	2.105	.0031
Stddev	.003	.0003	.005	.001	.001	.001	.000	.0033
%RSD	.1500	.3292	.2519	.0602	.0266	.0333	.0094	105.5
#1	1.938	.1044	1.938	2.053	2.069	1.993	2.105	.0008
#2	1.934	.1039	1.932	2.055	2.070	1.994	2.105	.0055

Elem	Zn2062	Zr3391
Avg	1.986	.0069
Stddev	.004	.0019
%RSD	.1928	26.91
#1	1.989	.0082
#2	1.983	.0056

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/3/2013 15:29:33 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1412.3	57074.	8315.9
Stddev	3.9	44.	23.7
%RSD	.27327	.07657	.28450
#1	1409.6	57104.	8332.7
#2	1415.1	57043.	8299.2

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/3/2013 15:34:17 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0003	.0036	.0005	-.0003	.0019	.0001	.0001	.0018
Stddev	.0000	.0035	.0000	.0000	.0000	.0001	.0000	.0008
%RSD	17.61	95.34	9.848	13.36	1.615	76.18	6.622	46.67
#1	-.0003	.0012	.0005	-.0004	.0019	.0001	.0001	.0024
#2	-.0002	.0061	.0005	-.0003	.0020	.0002	.0001	.0012

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0001	.0000	.0004	.0001	.0056	-.0333	-.0119	.0002
Stddev	.0001	.000	.0002	.0003	.0022	.0041	.0198	.0000
%RSD	48.08	745.1	56.28	235.9	40.26	12.30	166.3	2.429
#1	.0001	-.0001	.0005	.0003	.0071	-.0304	-.0259	.0002
#2	.0002	.0001	.0002	-.0001	.0040	-.0362	.0021	.0002

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0021	.1834	.0001	.0004	.0004	.0036	F-.0048	.0008
Stddev	.0005	.0062	.0001	.0011	.0003	.0003	.0014	.0009
%RSD	23.00	3.393	219.5	282.0	66.45	7.251	29.94	114.8
#1	.0025	.1790	.0000	-.0004	.0002	.0034	-.0038	.0014
#2	.0018	.1878	.0001	.0012	.0006	.0038	-.0058	.0001

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0006	-.0021	.0007	.0001	.0007	.0015	-.0006	.0085
Stddev	.0003	.0003	.0003	.0001	.0001	.0002	.0001	.0023
%RSD	50.28	12.25	45.20	57.67	11.71	16.14	20.93	26.72
#1	.0004	-.0023	.0009	.0001	.0006	.0014	-.0005	.0101
#2	.0008	-.0020	.0005	.0001	.0008	.0017	-.0007	.0069

Elem	Zn2062	Zr3391
Avg	-.0003	-.0001
Stddev	.0001	.0000
%RSD	25.83	18.89
#1	-.0004	-.0002
#2	-.0003	-.0001

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/3/2013 15:34:17 Type: Unk
Method: Accutest -SS1 with S(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1408.9	57056.	8309.0
Stddev	2.3	2.	1.5
%RSD	.16387	.00379	.01851
#1	1407.2	57058.	8308.0
#2	1410.5	57055.	8310.1

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	-0.000023	0.000000	No
			Co	0.000007	0.000000	No
			Mn	0.000105	0.000000	No
			Mo	-0.000103	0.000000	No
			Cu	0.000004	0.000000	No
			Ti	-0.000089	0.000000	No
			Al	-0.000001	0.000000	No
			Zr	0.005523	0.000000	No
Al 396.152 { 85}	☒	3	Mn	-0.000025	0.000000	No
			Mo	0.049063	0.000000	No
			Ca	-0.000285	0.000000	No
As 189.042 {479}	☒	9	V	-0.000028	0.000000	No
			Al	0.000025	0.000000	No
			Mo	0.000024	0.000000	No
			Fe	-0.000005	0.000000	No
			Mn	0.000016	0.000000	No
			Ca	0.000015	0.000000	No
			Mg	-0.000001	0.000000	No
			Cr	0.000310	0.000000	No
			Na	-0.000002	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000256	0.000000	No
			Mn	0.011376	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.064593	0.000000	No
Ba 455.403 { 74}	☒	1	Al	-0.000000	0.000000	No
Be 313.042 {108}	☒	3	V	0.000537	0.000000	No
			Mo	-0.000020	0.000000	No
			Ti	-0.000249	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	4	Ni	-0.000027	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000011	0.000000	No
			Ca	0.000000	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000062	0.000000	No
			Mo	-0.000031	0.000000	No
			Ti	0.001842	0.000000	No
			Ca	0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000004	0.000000	No
			Mn	0.000148	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000046	0.000000	No
			V	-0.000166	0.000000	No
			Mo	0.000483	0.000000	No
			Co	-0.000699	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000600	0.000000	No
			Co	-0.000015	0.000000	No
			Cr	0.000162	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000003	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000578	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No
			Al	0.000407	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ni 231.604 {446}	☒	3	Mo	-0.000536	0.000000	No
			Fe	0.000015	0.000000	No
			Ca	0.000002	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000057	0.000000	No
			Mn	0.000134	0.000000	No
			Mo	-0.001460	0.000000	No
			Co	0.000104	0.000000	No
			Cu	0.000045	0.000000	No
			Ca	0.000000	0.000000	No
			Fe	0.000046	0.000000	No
			Mg	0.000002	0.000000	No
			Ni	0.000376	0.000000	No
			Si	0.000157	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000342	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.006177	0.000000	No
			Ni	0.000902	0.000000	No
			Mn	-0.008486	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
S 182.034 {485}	☒	None				
Sb 206.833 {463}	☒	11	Al	0.000001	0.000000	No
			Fe	0.000035	0.000000	No
			Cr	0.005964	0.000000	No
			Mo	-0.000556	0.000000	No
			Mg	-0.000000	0.000000	No
			Ni	-0.000236	0.000000	No
			V	-0.001830	0.000000	No
			Ca	-0.000002	0.000000	No
			Ti	-0.000068	0.000000	No
			Cu	-0.000048	0.000000	No
			Sn	-0.009353	0.000000	No
Se 196.090 {472}	☒	7	Al	0.000001	0.000000	No
			Fe	-0.000178	0.000000	No
			Mn	0.000376	0.000000	No
			Mo	0.000021	0.000000	No
			Ca	-0.000000	0.000000	No
			Na	-0.000001	0.000000	No
			Co	-0.000239	0.000000	No
Si 212.412 {459}	☒	3	V	0.030413	0.000000	No
			Ti	0.006483	0.000000	No
			Mo	0.043276	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.000622	0.000000	No
			Cr	0.000225	0.000000	No
			V	-0.024438	0.000000	No
			Co	0.006099	0.000000	No
			Al	-0.000003	0.000000	No
			Fe	0.000014	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Ti	-0.000947	0.000000	No
				Mo	-0.000015	0.000000	No
				Ca	-0.000004	0.000000	No
				Na	-0.000002	0.000000	No
	V 292.402 {115}	☒	3	Ti	0.000624	0.000000	No
				Mo	-0.002871	0.000000	No
				Fe	0.000019	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000141	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000003	0.000000	No
				Mn	0.000018	0.000000	No
				Ni	0.000039	0.000000	No
				Cr	-0.000497	0.000000	No
				Mo	0.000207	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000006	0.000000	No
				Na	0.000004	0.000000	No
	Zr 339.198 { 99}	☒	5	Si	0.005567	0.000000	No
				Ti	0.000761	0.000000	No
				Fe	0.000014	0.000000	No
				Sn	0.002851	0.000000	No
				V	0.002032	0.000000	No

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 9/3/2013 16:35:35 Type: Cal
Method: Accutest -SS2(v57) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0007	.0012	.0000	-.0002	.0014	.0073	-.0001	.0046	.0026
Stddev	.0000	.0010	.0000	.0000	.0002	.0013	.0001	.0002	.0000
%RSD	.3350	87.63	88.70	18.80	14.51	17.23	56.09	4.465	.1194
#1	-.0007	.0004	.0000	-.0002	.0016	.0064	-.0002	.0047	.0026
#2	-.0007	.0019	.0000	-.0002	.0013	.0082	-.0001	.0044	.0026

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0003	.0001	.0044	.0006	.0016	.0000	.0005	.0002	.0227
Stddev	.0002	.0000	.0002	.0001	.0008	.000	.0000	.0003	.0004
%RSD	77.18	35.98	4.163	9.171	51.32	1870.	3.202	106.6	1.862
#1	-.0004	.0001	.0043	.0007	.0010	.0002	.0005	.0004	.0224
#2	-.0001	.0002	.0045	.0006	.0022	-.0002	.0005	.0001	.0230

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0011	-.0001	.0002	.0000	.0002	.0003	.0443	-.0001	.0040
Stddev	.0001	.0001	.0000	.000	.0003	.0001	.0001	.0001	.0001
%RSD	6.763	99.87	1.446	254.3	110.6	34.57	.1618	182.2	2.029
#1	-.0011	-.0002	.0002	.0000	.0001	.0004	.0444	-.0001	.0039
#2	-.0010	.0000	.0002	.0000	.0004	.0002	.0443	.0000	.0040

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0002	-.0012	.0004	-.0002	.0024	.0006
Stddev	.0002	.0001	.0001	.0000	.0000	.0001
%RSD	107.0	12.90	20.60	5.394	.6556	22.57
#1	.0000	-.0013	.0005	-.0001	.0024	.0005
#2	-.0003	-.0011	.0004	-.0002	.0024	.0007

◀ Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 9/3/2013 16:35:35 Type: Cal
Method: Accutest -SS2(v57) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	2361.7	69983.	7394.2
Stddev	2.8	14.	30.5
%RSD	.12014	.02043	.41216
#1	2359.7	69973.	7415.8
#2	2363.7	69993.	7372.7

◀ Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 9/3/2013 16:39:57 Type: Cal
Method: Accutest -SS2(v57) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1547	.5725	2.073	16.26	13.89	9.813	8.559	.9486	1.749	5.121
Stddev	.0007	.0013	.006	.01	.04	.022	.011	.0016	.007	.017
%RSD	.4394	.2309	.2730	.0348	.2863	.2202	.1320	.1727	.4223	.3329
#1	.1552	.5715	2.069	16.26	13.92	9.798	8.551	.9497	1.754	5.133
#2	.1542	.5734	2.077	16.26	13.86	9.828	8.567	.9474	1.744	5.109

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.345	6.702	2.802	1.583	.8054	1.069	10.36
Stddev	.012	.012	.003	.002	.0011	.002	.02
%RSD	.1655	.1803	.0931	.1448	.1397	.1853	.1468
#1	7.336	6.694	2.800	1.582	.8046	1.067	10.35
#2	7.353	6.711	2.804	1.585	.8062	1.070	10.37

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	2358.3	69629.	7371.1
Stddev	5.6	118.	98.9
%RSD	.23688	.16972	1.3418
#1	2362.2	69713.	7301.2
#2	2354.3	69545.	7441.0

◀ Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 9/3/2013 16:44:17 Type: Cal
Method: Accutest -SS2(v57) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.194	2.395	1.291	.8253	.1620	2.240
Stddev	.004	.004	.001	.0023	.0014	.004
%RSD	.3243	.1597	.0447	.2792	.8694	.1951
#1	1.197	2.397	1.291	.8270	.1630	2.243
#2	1.191	2.392	1.292	.8237	.1610	2.237

Int. Std.	Y_3710
Units	Cts/S
Avg	7592.5
Stddev	77.2
%RSD	1.0167
#1	7538.0
#2	7647.1

Zoom In Zoom Out

Sample Name: Std4 Acquired: 9/3/2013 16:48:38 Type: Cal
Method: Accutest -SS2(v57) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	Si2124	Sn1899	Sr4077	Ti3349	V_2924	W_2397	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2582	.4486	.0722	2.052	1.618	23.68	1.505	1.291	.0711	3.004
Stddev	.0000	.0004	.0014	.000	.001	.19	.000	.001	.0013	.001
%RSD	.0130	.0948	1.889	.0061	.0837	.8091	.0249	.0487	1.858	.0234
#1	.2582	.4483	.0732	2.052	1.619	23.55	1.505	1.291	.0721	3.003
#2	.2582	.4489	.0713	2.052	1.617	23.82	1.505	1.290	.0702	3.004

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	2387.9	69610.	7384.8
Stddev	.6	262.	47.6
%RSD	.02539	.37582	.64506
#1	2388.4	69425.	7418.5
#2	2387.5	69795.	7351.1

Zoom In Zoom Out

Sample Name: ICV Acquired: 9/3/2013 16:52:58 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.5175	16.32	3.027	3.019	3.060	3.066	3.021	18.53	3.007	2.989
Stddev	.0001	.05	.005	.000	.004	.002	.006	.07	.001	.001
%RSD	.0271	.2776	.1739	.0059	.1251	.0795	.2097	.3868	.0450	.0432
#1	.5176	16.28	3.023	3.019	3.057	3.064	3.017	18.48	3.006	2.988
#2	.5174	16.35	3.031	3.019	3.063	3.067	3.026	18.58	3.008	2.990

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	3.104	2.983	18.63	15.33	18.50	3.065	2.878	15.74	2.865	2.903
Stddev	.002	.003	.05	.01	.05	.008	.004	.04	.000	.002
%RSD	.0550	.0883	.2700	.0800	.2575	.2557	.1557	.2558	.0082	.0685
#1	3.102	2.981	18.59	15.32	18.53	3.059	2.875	15.71	2.864	2.904
#2	3.105	2.985	18.66	15.34	18.46	3.070	2.881	15.77	2.865	2.901

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	3.009	2.985	2.951	3.000	3.226	3.081	3.055	3.032	2.978	2.998
Stddev	.007	.008	.003	.006	.002	.000	.003	.002	.002	.001
%RSD	.2435	.2811	.0939	.2154	.0687	.0088	.1040	.0491	.0534	.0250
#1	3.004	2.991	2.953	3.004	3.228	3.081	3.053	3.034	2.977	2.998
#2	3.014	2.979	2.949	2.995	3.225	3.081	3.057	3.031	2.979	2.999

Elem	W_2397	Zn2062	Zr3391
Avg	2.955	2.928	3.086
Stddev	.003	.001	.003
%RSD	.1007	.0469	.0830
#1	2.953	2.927	3.084
#2	2.957	2.929	3.088

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2376.4	68795.	7447.8
Stddev	.5	51.	35.8
%RSD	.02261	.07392	.48097
#1	2376.1	68759.	7473.2
#2	2376.8	68831.	7422.5

Zoom In Zoom Out

Sample Name: ICB Acquired: 9/3/2013 16:57:48 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0003	-.0112	.0011	.0032	.0031	.0006	.0002	.0057	.0001
Stddev	.0002	.0062	.0009	.0013	.0003	.0002	.0000	.0005	.0001
%RSD	64.04	55.27	84.85	39.70	11.03	38.98	23.97	8.938	94.92
#1	.0005	-.0068	.0017	.0041	.0033	.0008	.0001	.0053	.0000
#2	.0002	-.0156	.0004	.0023	.0028	.0004	.0002	.0061	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	.0002	-.0001	-.0014	-.0299	-.0373	.0003	.0031	-.0076
Stddev	.0000	.0002	.0001	.0029	.0282	.0225	.0000	.0006	.0069
%RSD	18.87	75.24	52.30	216.5	94.39	60.39	11.51	20.81	91.44
#1	.0002	.0004	-.0002	.0007	-.0099	-.0532	.0002	.0035	-.0124
#2	.0002	.0001	-.0001	-.0034	-.0498	-.0214	.0003	.0026	-.0027

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0001	-.0003	-.0003	-.0004	.0005	.0013	.0013	.0001	.0002
Stddev	.0001	.0005	.0022	.0021	.0007	.0004	.0007	.0003	.0000
%RSD	54.23	140.6	797.5	603.9	139.8	32.10	52.00	296.0	11.82
#1	.0002	.0000	-.0018	-.0018	.0000	.0016	.0018	.0003	.0003
#2	.0001	-.0007	.0013	.0011	.0011	.0010	.0008	-.0001	.0002

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0007	F.0020	-.0002	.0181	-.0008	.0012
Stddev	.0000	.0006	.0003	.0063	.0001	.0000
%RSD	5.346	29.78	116.7	34.73	11.61	2.993
#1	.0007	.0016	-.0005	.0225	-.0007	.0012
#2	.0007	.0025	.0000	.0136	-.0008	.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2405.8	70045.	7595.3
Stddev	1.4	217.	191.6
%RSD	.05802	.31003	2.5227
#1	2404.8	70199.	7459.8
#2	2406.8	69892.	7730.8

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/3/2013 17:02:10 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2517	10.07	1.962	-.0026	1.972	1.953	2.004	10.24	1.971	2.047
Stddev	.0006	.11	.004	.0016	.004	.024	.029	.14	.004	.006
%RSD	.2199	1.124	.2232	63.72	.1761	1.225	1.428	1.320	.2161	.2828
#1	.2513	9.988	1.965	-.0037	1.974	1.936	1.984	10.15	1.974	2.051
#2	.2521	10.15	1.959	-.0014	1.969	1.970	2.024	10.34	1.968	2.043

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.008	1.995	10.20	9.893	9.848	2.038	1.957	10.17	1.930	1.923
Stddev	.005	.007	.12	.106	.027	.006	.004	.14	.005	.005
%RSD	.2289	.3371	1.186	1.067	.2710	.3062	.2012	1.377	.2389	.2771
#1	2.005	1.990	10.11	9.819	9.866	2.033	1.960	10.07	1.933	1.927
#2	2.011	2.000	10.28	9.968	9.829	2.042	1.954	10.27	1.927	1.919

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0004	.0064	1.953	1.961	.1368	1.952	1.990	1.986	1.962	1.998
Stddev	.0010	.0019	.003	.003	.0003	.002	.028	.006	.002	.004
%RSD	253.5	30.15	.1592	.1351	.2126	.1145	1.423	.2950	.1082	.2246
#1	-.0003	.0078	1.955	1.963	.1370	1.953	1.970	1.982	1.964	1.995
#2	.0011	.0050	1.951	1.960	.1366	1.950	2.010	1.990	1.961	2.002

Elem	W_2397	Zn2062	Zr3391
Avg	.0011	1.957	.0044
Stddev	.0002	.004	.0012
%RSD	20.62	.1810	26.45
#1	.0009	1.960	.0052
#2	.0012	1.955	.0035

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2404.2	69423.	7432.1
Stddev	2.6	397.	89.4
%RSD	.10951	.57200	1.2032
#1	2402.3	69704.	7495.3
#2	2406.1	69142.	7368.9

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/3/2013 17:09:24 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	-.0243	.0004	.0001	.0019	.0004	.0000	.0025	.0001	.0001
Stddev	.0002	.0111	.0004	.0008	.0001	.0000	.000	.0013	.0000	.0001
%RSD	66.94	45.58	79.21	1024.	4.847	6.589	207.9	54.13	46.92	106.1
#1	.0002	-.0321	.0007	-.0005	.0018	.0003	-.0001	.0015	.0000	.0000
#2	.0004	-.0164	.0002	.0006	.0020	.0004	.0000	.0034	.0001	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0002	-.0031	.0316	-.0261	.0001	.0012	-.0280	-.0001	.0000
Stddev	.0001	.0005	.0080	.0056	.0168	.0000	.0002	.0002	.0001	.001
%RSD	53.51	246.8	254.4	17.61	64.19	6.578	12.60	.8348	101.3	1435.
#1	-.0003	-.0001	-.0088	.0356	-.0380	.0001	.0014	-.0278	-.0002	.0003
#2	-.0001	.0005	.0025	.0277	-.0143	.0001	.0011	-.0281	.0000	-.0004

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0009	-.0022	.0008	.0008	-.0005	.0005	.0001	-.0003	.0016	-.0002
Stddev	.0009	.0031	.0003	.0003	.0002	.0002	.0001	.0007	.0008	.0002
%RSD	101.2	141.6	40.24	41.33	33.78	37.76	81.88	260.3	52.20	90.65
#1	-.0002	.0000	.0006	.0006	-.0006	.0004	.0000	.0002	.0010	-.0003
#2	-.0015	-.0044	.0010	.0011	-.0004	.0006	.0002	-.0007	.0022	-.0001

Elem	W_2397	Zn2062	Zr3391
Avg	.0122	-.0007	-.0002
Stddev	.0030	.0000	.0001
%RSD	24.25	5.613	77.19
#1	.0143	-.0008	-.0003
#2	.0101	-.0007	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2414.1	69467.	7271.0
Stddev	10.5	482.	68.7
%RSD	.43371	.69448	.94503
#1	2406.7	69126.	7222.4
#2	2421.5	69808.	7319.6

Zoom In Zoom Out

Sample Name: CRI Acquired: 9/3/2013 17:15:18 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0051	.1951	.0050	-.0003	.1027	.0510	.0043	5.117	.0041	.0533
Stddev	.0008	.0141	.0018	.0000	.0002	.0002	.0000	.030	.0001	.0000
%RSD	15.50	7.213	36.20	9.416	.1804	.4129	1.098	.5852	2.847	.0478
#1	.0056	.1851	.0063	-.0004	.1028	.0509	.0042	5.096	.0041	.0533
#2	.0045	.2050	.0037	-.0003	.1026	.0512	.0043	5.139	.0042	.0533

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0101	.0245	.1006	4.945	4.907	.0160	.1026	5.194	.0406	.0056
Stddev	.0003	.0001	.0019	.066	.017	.0003	.0001	.010	.0001	.0004
%RSD	3.259	.4891	1.885	1.337	.3527	2.120	.1362	.1855	.3317	7.369
#1	.0103	.0246	.1020	4.899	4.919	.0162	.1025	5.187	.0405	.0053
#2	.0099	.0244	.0993	4.992	4.894	.0157	.1027	5.201	.0407	.0059

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0006	.0032	.0065	.0111	.0006	.0996	.0102	.0514	.0061	.0100
Stddev	.0001	.0067	.0001	.0008	.0003	.0002	.0000	.0012	.0009	.0005
%RSD	21.67	208.9	1.160	6.909	48.16	.2027	.1413	2.269	15.45	4.727
#1	-.0005	-.0015	.0066	.0117	.0008	.0998	.0102	.0523	.0068	.0103
#2	-.0007	.0080	.0065	.0106	.0004	.0995	.0102	.0506	.0054	.0096

Elem	W_2397	Zn2062	Zr3391
Avg	.0103	.0200	-.0001
Stddev	.0009	.0001	.0001
%RSD	8.471	.3476	69.19
#1	.0109	.0200	-.0001
#2	.0097	.0199	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2420.6	70898.	7467.8
Stddev	3.3	325.	16.6
%RSD	.13586	.45884	.22180
#1	2422.9	70668.	7456.1
#2	2418.3	71128.	7479.6

Zoom In Zoom Out

Sample Name: ICSA Acquired: 9/3/2013 17:19:35 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	533.1	.0000	-.0095	.0030	-.0006	.0003	454.8	.0001	.0013
Stddev	.0001	7.6	.003	.0008	.0001	.0003	.0000	3.6	.0001	.0001
%RSD	29.65	1.422	14390.	8.150	4.979	58.41	5.167	.7960	80.57	6.331
#1	.0005	538.5	.0020	-.0100	.0031	-.0003	.0002	457.4	.0001	.0013
#2	.0004	527.7	-.0020	-.0089	.0029	-.0008	.0003	452.3	.0002	.0014

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0007	-.0002	188.6	.0772	495.2	-.0001	-.0004	.1221	-.0009	.0009
Stddev	.0004	.0004	2.8	.0033	7.3	.0000	.0001	.0038	.0001	.0020
%RSD	53.74	208.2	1.482	4.306	1.480	31.62	13.39	3.108	14.66	216.6
#1	-.0010	.0001	190.5	.0796	500.4	-.0001	-.0004	.1248	-.0008	.0024
#2	-.0005	-.0005	186.6	.0749	490.0	-.0001	-.0005	.1195	-.0010	-.0005

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0272	-.0199	.0011	-.0014	.0454	-.0006	.0011	.0085	.0002	.0002
Stddev	.0002	.0037	.0017	.0005	.0021	.0006	.0000	.0000	.0007	.0001
%RSD	.7064	18.58	154.7	38.46	4.592	95.23	2.495	.5490	292.0	62.17
#1	-.0270	-.0226	-.0001	-.0018	.0440	-.0002	.0011	.0086	.0007	.0003
#2	-.0273	-.0173	.0023	-.0010	.0469	-.0011	.0011	.0085	-.0003	.0001

Elem	W_2397	Zn2062	Zr3391
Avg	-.0304	-.0016	-.0001
Stddev	.0016	.0002	.0001
%RSD	5.146	9.679	66.22
#1	-.0293	-.0017	-.0002
#2	-.0315	-.0015	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2207.8	65443.	7523.5
Stddev	2.5	71.	142.9
%RSD	.11272	.10809	1.8990
#1	2209.5	65393.	7422.5
#2	2206.0	65493.	7624.5

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 9/3/2013 17:23:56 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.042	539.5	2.058	.4865	1.003	.5013	.4714	471.2	1.025	.4860
Stddev	.007	2.2	.003	.0052	.002	.0019	.0025	2.4	.000	.0002
%RSD	.6896	.4127	.1383	1.066	.1603	.3727	.5353	.5062	.0292	.0456
#1	1.037	538.0	2.060	.4828	1.004	.4999	.4696	469.5	1.026	.4862
#2	1.047	541.1	2.056	.4901	1.002	.5026	.4732	472.9	1.025	.4858

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4864	.5093	191.9	.0642	503.2	.4925	.9671	.1315	.8823	.9043
Stddev	.0020	.0052	1.1	.0035	3.8	.0029	.0012	.0067	.0005	.0012
%RSD	.4091	1.021	.5731	5.519	.7645	.5893	.1204	5.077	.0519	.1337
#1	.4850	.5057	191.1	.0617	500.5	.4905	.9663	.1362	.8827	.9052
#2	.4878	.5130	192.7	.0667	505.9	.4946	.9679	.1267	.8820	.9035

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.5025	.4860	2.076	2.064	2.139	.9842	.9772	.5009	1.904	.4977
Stddev	.0018	.0091	.005	.003	.000	.0020	.0044	.0026	.000	.0024
%RSD	.3637	1.865	.2315	.1356	.0049	.2007	.4503	.5255	.0104	.4753
#1	.5012	.4795	2.079	2.066	2.139	.9828	.9741	.4991	1.904	.4960
#2	.5038	.4924	2.072	2.062	2.139	.9856	.9803	.5028	1.904	.4993

Elem	W_2397	Zn2062	Zr3391
Avg	1.853	.9165	.4229
Stddev	.024	.0003	.0066
%RSD	1.284	.0381	1.551
#1	1.836	.9167	.4182
#2	1.870	.9162	.4275

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2207.9	65535.	7326.4
Stddev	.3	7.	49.1
%RSD	.01231	.01102	.66984
#1	2208.1	65530.	7361.1
#2	2207.7	65540.	7291.7

Zoom In Zoom Out

Sample Name: MP21578-B1 Acquired: 9/3/2013 17:28:10 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2013	2.229	.5447	.0008	.0034	2.000	.5136	25.44	.5116	.5197
Stddev	.0011	.020	.0013	.0006	.0004	.032	.0089	.37	.0000	.0003
%RSD	.5396	.9056	.2339	78.79	11.70	1.579	1.729	1.453	.0023	.0575
#1	.2005	2.243	.5456	.0003	.0037	2.022	.5199	25.70	.5116	.5195
#2	.2020	2.215	.5438	.0012	.0032	1.977	.5073	25.18	.5116	.5199

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5232	.4887	2.164	25.15	25.82	.5061	.0019	25.97	.4913	.9976
Stddev	.0094	.0014	.003	.01	.07	.0005	.0005	.41	.0002	.0007
%RSD	1.793	.2822	.1433	.0500	.2568	.1024	28.12	1.576	.0432	.0708
#1	.5166	.4878	2.162	25.16	25.87	.5057	.0022	26.26	.4914	.9981
#2	.5299	.4897	2.166	25.14	25.77	.5065	.0015	25.68	.4911	.9971

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0014	.0046	.5184	.5232	.0107	-.0018	.4908	.4967	.5131	.5131
Stddev	.0008	.0055	.0004	.0002	.0006	.0002	.0080	.0011	.0004	.0010
%RSD	57.62	119.1	.0715	.0471	5.575	10.78	1.637	.2194	.0710	.1864
#1	-.0020	.0085	.5187	.5230	.0111	-.0019	.4964	.4959	.5134	.5125
#2	-.0008	.0007	.5181	.5234	.0103	-.0016	.4851	.4975	.5129	.5138

Elem	W_2397	Zn2062	Zr3391
Avg	.0134	.5204	.0339
Stddev	.0026	.0001	.0027
%RSD	19.53	.0111	7.879
#1	.0116	.5204	.0358
#2	.0153	.5204	.0320

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2380.7	71013.	7580.4
Stddev	.3	92.	82.0
%RSD	.01267	.12984	1.0816
#1	2380.9	71078.	7522.4
#2	2380.5	70948.	7638.4

Zoom In Zoom Out

Sample Name: MP21578-MB1 Acquired: 9/3/2013 17:32:23 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	.0044	.0005	.0004	.0013	.0004	.0001	.0119	.0000	.0000
Stddev	.0003	.0010	.0002	.0001	.0001	.0000	.0000	.0014	.0001	.000
%RSD	96.65	23.36	34.17	30.36	10.60	7.869	73.02	11.65	924.0	248.2
#1	.0001	.0037	.0006	.0003	.0012	.0004	.0000	.0129	-.0001	.0000
#2	.0005	.0052	.0004	.0005	.0014	.0004	.0001	.0110	.0001	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	.0010	.0020	.0285	.0125	.0001	.0006	-.0047	-.0002	.0005
Stddev	.000	.0002	.0018	.0339	.0210	.0000	.0002	.0038	.0003	.0005
%RSD	1723.	24.22	88.15	119.0	167.0	18.45	28.64	80.71	166.3	98.85
#1	.0001	.0008	.0008	.0524	-.0023	.0002	.0007	-.0020	.0000	.0001
#2	-.0002	.0011	.0033	.0045	.0274	.0001	.0005	-.0073	-.0004	.0008

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0000	.0030	.0003	.0013	.0012	-.0001	.0001	.0000	.0014	-.0002
Stddev	.0002	.0007	.0000	.0004	.0010	.0000	.0001	.000	.0009	.0003
%RSD	564.3	24.34	10.76	32.96	84.51	8.445	90.80	523.0	63.87	159.3
#1	.0002	.0035	.0003	.0010	.0005	-.0002	.0000	-.0001	.0021	-.0004
#2	-.0001	.0025	.0004	.0016	.0019	-.0001	.0002	.0001	.0008	.0000

Elem	W_2397	Zn2062	Zr3391
Avg	.0124	.0000	.0005
Stddev	.0020	.0003	.0000
%RSD	16.18	1659.	7.946
#1	.0110	-.0002	.0004
#2	.0139	.0002	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2392.4	71187.	7699.7
Stddev	4.4	132.	16.0
%RSD	.18489	.18558	.20801
#1	2395.5	71281.	7688.4
#2	2389.3	71094.	7711.0

Zoom In Zoom Out

Sample Name: MP21578-S1 Acquired: 9/3/2013 17:36:45 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2014	2.185	.5512	-.0002	.0403	2.251	.5115	62.61	.5176	.5238
Stddev	.0002	.020	.0001	.0002	.0003	.005	.0009	.10	.0008	.0005
%RSD	.0958	.9094	.0188	109.0	.6566	.2118	.1759	.1656	.1522	.1022
#1	.2013	2.199	.5512	-.0003	.0401	2.255	.5122	62.68	.5182	.5242
#2	.2016	2.171	.5511	.0000	.0405	2.248	.5109	62.54	.5171	.5234

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5297	.4925	2.131	27.46	30.57	.5057	.0006	118.1	.4958	.9982
Stddev	.0010	.0011	.012	.01	.08	.0007	.0000	.3	.0000	.0028
%RSD	.1974	.2238	.5409	.0446	.2618	.1423	5.017	.2557	.0100	.2793
#1	.5304	.4917	2.139	27.47	30.63	.5062	.0006	118.3	.4958	1.000
#2	.5289	.4933	2.123	27.45	30.51	.5052	.0006	117.9	.4957	.9962

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0043	-.0007	.5265	.5305	6.133	-.0017	.6791	.4986	.5124	.5134
Stddev	.0020	.0013	.0009	.0016	.000	.0006	.0019	.0006	.0007	.0014
%RSD	45.80	195.1	.1755	.2962	.0058	34.87	.2770	.1289	.1391	.2683
#1	-.0057	.0003	.5272	.5316	6.132	-.0013	.6804	.4991	.5119	.5124
#2	-.0029	-.0016	.5259	.5294	6.133	-.0021	.6778	.4981	.5129	.5143

Elem	W_2397	Zn2062	Zr3391
Avg	.0091	.5264	.0024
Stddev	.0006	.0002	.0001
%RSD	6.946	.0368	5.221
#1	.0095	.5262	.0025
#2	.0086	.5265	.0023

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2345.0	70550.	7681.8
Stddev	.4	187.	20.6
%RSD	.01577	.26561	.26843
#1	2344.7	70417.	7667.2
#2	2345.3	70682.	7696.4

Zoom In Zoom Out

Sample Name: MP21578-S2 Acquired: 9/3/2013 17:40:59 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2014	2.208	.5501	-.0006	.0405	2.278	.5155	63.63	.5158	.5197
Stddev	.0002	.000	.0008	.0008	.0002	.002	.0014	.23	.0007	.0003
%RSD	.1021	.0104	.1442	150.9	.4459	.0895	.2636	.3559	.1289	.0503
#1	.2012	2.208	.5507	.0000	.0404	2.276	.5145	63.47	.5153	.5198
#2	.2015	2.208	.5495	-.0012	.0407	2.279	.5164	63.79	.5163	.5195

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5250	.4882	2.140	27.26	30.52	.5011	.0004	119.9	.4948	.9915
Stddev	.0002	.0009	.007	.06	.17	.0002	.0000	.1	.0011	.0013
%RSD	.0386	.1819	.3232	.2040	.5452	.0322	.1078	.1070	.2298	.1317
#1	.5249	.4888	2.135	27.22	30.41	.5010	.0004	119.8	.4939	.9925
#2	.5252	.4876	2.145	27.30	30.64	.5012	.0004	120.0	.4956	.9906

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0042	.0005	.5269	.5287	6.184	-.0018	.6857	.4939	.5090	.5101
Stddev	.0016	.0017	.0005	.0008	.006	.0004	.0018	.0006	.0023	.0015
%RSD	38.97	316.3	.0925	.1512	.0939	22.41	.2604	.1196	.4430	.3027
#1	-.0030	-.0007	.5273	.5292	6.180	-.0015	.6845	.4935	.5106	.5091
#2	-.0053	.0018	.5266	.5281	6.188	-.0021	.6870	.4943	.5074	.5112

Elem	W_2397	Zn2062	Zr3391
Avg	.0095	.5233	-.0012
Stddev	.0022	.0001	.0001
%RSD	23.62	.0163	6.392
#1	.0079	.5232	-.0011
#2	.0111	.5233	-.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2340.1	70828.	7560.2
Stddev	.2	19.	38.1
%RSD	.00910	.02652	.50420
#1	2340.2	70841.	7587.2
#2	2339.9	70815.	7533.3

Zoom In Zoom Out

Sample Name: MC23921-8F Acquired: 9/3/2013 17:45:12 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0010	-.0049	.0003	.0003	.0391	.2665	.0002	37.73	.0000	-.0003
Stddev	.0001	.0007	.0011	.0004	.0002	.0031	.0001	.45	.0000	.0001
%RSD	8.670	13.60	397.3	175.2	.6181	1.161	62.46	1.197	48.68	34.83
#1	.0011	-.0053	-.0005	.0006	.0392	.2687	.0001	38.05	.0000	-.0004
#2	.0009	-.0044	.0011	-.0001	.0389	.2643	.0002	37.41	.0000	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	.0015	-.0040	2.054	4.801	.0021	.0001	92.92	-.0002	-.0002
Stddev	.0000	.0005	.0010	.017	.074	.0000	.0001	1.20	.0001	.0002
%RSD	6.839	30.96	25.40	.8179	1.549	.8163	71.18	1.294	51.41	134.6
#1	-.0001	.0011	-.0048	2.042	4.749	.0021	.0001	93.77	-.0002	.0000
#2	-.0001	.0018	-.0033	2.066	4.854	.0021	.0002	92.07	-.0001	-.0004

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0037	.0020	.0002	.0004	6.128	-.0009	.1887	.0005	.0006	-.0001
Stddev	.0006	.0030	.0003	.0001	.004	.0002	.0022	.0001	.0004	.0002
%RSD	16.43	148.2	126.1	20.97	.0636	18.23	1.169	29.03	60.91	113.3
#1	-.0033	-.0001	.0000	.0004	6.125	-.0008	.1903	.0006	.0009	-.0003
#2	-.0041	.0041	.0005	.0005	6.131	-.0010	.1872	.0004	.0003	.0000

Elem	W_2397	Zn2062	Zr3391
Avg	.0096	.0050	-.0013
Stddev	.0013	.0000	.0001
%RSD	13.31	.0081	7.962
#1	.0087	.0050	-.0014
#2	.0105	.0050	-.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2358.7	71192.	7784.5
Stddev	1.3	40.	94.4
%RSD	.05620	.05623	1.2126
#1	2357.8	71164.	7717.8
#2	2359.7	71221.	7851.3

Zoom In Zoom Out

Sample Name: MP21578-SD1 Acquired: 9/3/2013 17:49:32 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0035	-.0262	.0063	-.0027	.0602	.2711	.0001	40.16	-.0001	-.0005
Stddev	.0007	.0352	.0018	.0036	.0012	.0005	.0002	.03	.0008	.0001
%RSD	19.79	134.0	28.61	134.7	1.933	.1731	252.6	.0636	1109.	13.42
#1	.0030	-.0511	.0050	-.0001	.0594	.2707	.0002	40.17	-.0006	-.0004
#2	.0040	-.0014	.0076	-.0053	.0610	.2714	-.0001	40.14	.0005	-.0005

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0013	.0052	-.0081	2.438	4.987	.0025	.0012	96.31	-.0003	.0002
Stddev	.0026	.0003	.0191	.080	.098	.0001	.0009	.13	.0001	.0002
%RSD	207.0	5.775	236.0	3.278	1.961	4.534	74.14	.1387	36.29	125.8
#1	-.0032	.0054	-.0216	2.381	4.918	.0024	.0018	96.41	-.0002	.0003
#2	.0006	.0050	.0054	2.494	5.056	.0026	.0006	96.22	-.0004	.0000

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0097	.0073	.0008	.0007	6.239	.0000	.1977	.0010	-.0013	-.0035
Stddev	.0052	.0261	.0012	.0008	.004	.0004	.0008	.0016	.0005	.0011
%RSD	53.94	357.8	158.2	128.6	.0659	1261.	.4149	167.1	35.23	31.15
#1	-.0134	.0257	.0016	.0012	6.242	-.0003	.1971	.0021	-.0017	-.0027
#2	-.0060	-.0112	-.0001	.0001	6.236	.0003	.1982	-.0002	-.0010	-.0043

Elem	W_2397	Zn2062	Zr3391
Avg	.0187	.0018	-.0015
Stddev	.0205	.0000	.0002
%RSD	109.7	2.538	14.02
#1	.0331	.0018	-.0013
#2	.0042	.0018	-.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2375.5	71484.	7742.6
Stddev	3.3	23.	29.6
%RSD	.13814	.03223	.38275
#1	2377.8	71501.	7763.6
#2	2373.1	71468.	7721.7

Zoom In Zoom Out

Sample Name: MP21578-B2 Acquired: 9/3/2013 17:53:53 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1982	2.165	.5509	-.0008	.0023	1.969	.5033	25.22	.5143	.5255
Stddev	.0009	.065	.0004	.0008	.0005	.062	.0151	.75	.0009	.0003
%RSD	.4761	3.010	.0668	95.62	22.49	3.166	3.006	2.955	.1799	.0596
#1	.1989	2.119	.5512	-.0003	.0027	1.925	.4926	24.70	.5149	.5252
#2	.1975	2.211	.5507	-.0013	.0019	2.013	.5140	25.75	.5136	.5257

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5243	.4839	2.156	25.27	26.36	.4962	.0004	26.04	.5032	1.004
Stddev	.0010	.0033	.032	.47	.53	.0027	.0001	.76	.0003	.001
%RSD	.1985	.6889	1.468	1.877	2.019	.5424	28.84	2.901	.0609	.1131
#1	.5236	.4862	2.134	24.94	25.98	.4981	.0003	25.50	.5034	1.005
#2	.5251	.4815	2.179	25.61	26.73	.4943	.0005	26.57	.5030	1.003

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0005	.0038	.5258	.5349	.0140	-.0016	.4838	.4934	.5163	.5065
Stddev	.0025	.0013	.0015	.0013	.0004	.0002	.0145	.0027	.0009	.0018
%RSD	517.9	35.07	.2879	.2407	3.132	12.40	2.994	.5434	.1713	.3596
#1	.0013	.0029	.5269	.5358	.0143	-.0015	.4735	.4953	.5169	.5078
#2	-.0023	.0048	.5248	.5340	.0137	-.0018	.4940	.4915	.5157	.5052

Elem	W_2397	Zn2062	Zr3391
Avg	.0045	.5242	.0006
Stddev	.0060	.0006	.0000
%RSD	131.5	.1163	6.133
#1	.0087	.5247	.0007
#2	.0003	.5238	.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2348.6	71100.	7670.5
Stddev	.7	284.	164.1
%RSD	.02837	.39955	2.1388
#1	2349.0	70899.	7786.5
#2	2348.1	71300.	7554.5

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/3/2013 17:58:06 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2426	10.06	2.012	-.0015	1.995	1.914	1.920	10.11	1.981	2.088
Stddev	.0005	.00	.001	.0006	.002	.000	.004	.04	.003	.003
%RSD	.1885	.0166	.0304	43.39	.1068	.0068	.2297	.3786	.1375	.1515
#1	.2429	10.06	2.013	-.0010	1.996	1.914	1.916	10.08	1.983	2.091
#2	.2423	10.06	2.012	-.0019	1.993	1.914	1.923	10.13	1.979	2.086

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.952	1.956	10.32	9.671	10.07	1.934	2.004	10.21	2.011	1.979
Stddev	.002	.006	.01	.008	.12	.004	.001	.03	.003	.003
%RSD	.1107	.2858	.0927	.0844	1.144	.2105	.0535	.2829	.1395	.1389
#1	1.950	1.952	10.33	9.677	10.15	1.931	2.005	10.19	2.013	1.981
#2	1.953	1.960	10.31	9.666	9.989	1.937	2.004	10.23	2.009	1.977

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0019	.0041	2.014	2.046	.1527	2.063	1.929	1.948	1.986	1.925
Stddev	.0007	.0006	.003	.005	.0014	.002	.002	.002	.005	.002
%RSD	36.80	15.25	.1684	.2327	.9060	.0719	.0858	.1017	.2795	.1008
#1	-.0024	.0037	2.016	2.050	.1536	2.064	1.930	1.946	1.990	1.924
#2	-.0014	.0045	2.011	2.043	.1517	2.062	1.927	1.949	1.982	1.926

Elem	W_2397	Zn2062	Zr3391
Avg	-.0077	1.986	-.0033
Stddev	.0024	.003	.0002
%RSD	30.71	.1533	5.429
#1	-.0060	1.988	-.0032
#2	-.0094	1.984	-.0035

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2365.9	71470.	7696.6
Stddev	4.2	436.	52.4
%RSD	.17692	.61011	.68043
#1	2363.0	71779.	7733.7
#2	2368.9	71162.	7659.6

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/3/2013 18:02:17 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0008	-.0098	.0008	-.0005	.0023	.0004	.0002	.0040	.0001
Stddev	.0001	.0052	.0005	.0003	.0002	.0000	.0001	.0003	.0002
%RSD	17.19	53.03	57.75	50.34	8.853	1.487	51.13	6.681	184.7
#1	.0009	-.0135	.0011	-.0007	.0024	.0004	.0002	.0038	.0000
#2	.0007	-.0062	.0005	-.0003	.0021	.0004	.0001	.0042	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0001	-.0003	.0011	-.0023	.0496	-.0223	.0001	.0024	-.0159
Stddev	.0000	.0001	.0004	.0017	.0107	.0039	.0001	.0006	.0033
%RSD	2.827	55.83	33.12	73.56	21.54	17.26	41.42	22.92	20.49
#1	.0002	-.0004	.0009	-.0011	.0420	-.0196	.0002	.0028	-.0136
#2	.0001	-.0002	.0014	-.0035	.0571	-.0251	.0001	.0020	-.0182

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0000	.0004	-.0015	-.0002	-.0002	.0006	.0026	.0000	.0001
Stddev	.000	.0002	.0001	.0034	.0003	.0002	.0000	.000	.0001
%RSD	232.1	50.03	4.306	2016.	148.6	35.76	.9937	439.3	100.4
#1	.0000	.0003	-.0015	.0022	-.0004	.0004	.0026	-.0002	.0002
#2	-.0001	.0005	-.0016	-.0026	.0000	.0007	.0026	.0001	.0000

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0003	F.0022	-.0002	.0070	-.0007	-.0001
Stddev	.0002	.0013	.0001	.0024	.0001	.0000
%RSD	63.93	59.50	30.26	34.49	10.77	28.01
#1	.0002	.0031	-.0002	.0053	-.0008	-.0001
#2	.0004	.0013	-.0003	.0087	-.0007	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2362.3	71815.	7677.3
Stddev	1.7	83.	42.9
%RSD	.07118	.11563	.55838
#1	2361.1	71873.	7647.0
#2	2363.5	71756.	7707.6

Zoom In Zoom Out

Sample Name: MC23894-2F Acquired: 9/3/2013 18:06:40 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0009	.0377	.0011	-.0002	.0700	.0299	.0000	62.26	.0001	.0016
Stddev	.0002	.0122	.0004	.0003	.0007	.0002	.0001	.18	.0000	.0000
%RSD	19.95	32.33	35.48	148.6	1.071	.7481	217.6	.2879	31.36	3.018
#1	.0008	.0464	.0014	-.0004	.0695	.0300	.0001	62.39	.0001	.0015
#2	.0010	.0291	.0008	.0000	.0705	.0297	.0000	62.13	.0001	.0016

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0013	.0190	2.184	15.78	.0335	.0102	3.626	.0021	-.0002
Stddev	.0006	.0002	.0006	.008	.02	.0005	.0000	.004	.0002	.0003
%RSD	313.3	16.33	3.299	.3467	.1559	1.365	.4157	.1193	9.675	159.3
#1	.0007	.0015	.0185	2.178	15.79	.0332	.0102	3.629	.0020	-.0005
#2	-.0002	.0012	.0194	2.189	15.76	.0338	.0102	3.623	.0022	.0000

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0052	.0000	.0012	.0014	3.457	-.0009	.1352	.0010	-.0001	-.0002
Stddev	.0007	.004	.0007	.0005	.002	.0004	.0005	.0001	.0005	.0003
%RSD	14.07	14970.	56.58	36.96	.0642	39.82	.3353	6.454	461.4	206.1
#1	-.0047	.0030	.0017	.0010	3.455	-.0012	.1349	.0010	-.0005	-.0004
#2	-.0057	-.0031	.0007	.0017	3.459	-.0007	.1355	.0009	.0003	.0001

Elem	W_2397	Zn2062	Zr3391
Avg	.0020	.0045	-.0008
Stddev	.0008	.0000	.0004
%RSD	37.18	.7902	53.06
#1	.0026	.0045	-.0005
#2	.0015	.0045	-.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2324.3	71627.	7557.4
Stddev	2.1	178.	9.8
%RSD	.09199	.24825	.12926
#1	2325.8	71501.	7550.5
#2	2322.7	71752.	7564.3

Zoom In Zoom Out

Sample Name: MC23921-9F Acquired: 9/3/2013 18:11:01 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	-.0225	-.0004	-.0002	.4868	.0311	.0001	10.15	.0000	-.0003
Stddev	.0001	.0022	.0014	.0006	.0038	.0003	.0001	.04	.0002	.0001
%RSD	32.99	9.876	396.4	321.4	.7845	1.090	153.3	.3857	473.7	50.21
#1	.0003	-.0241	.0006	.0002	.4841	.0313	.0000	10.18	.0002	-.0004
#2	.0004	-.0209	-.0014	-.0006	.4895	.0308	.0001	10.12	-.0001	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0003	.0012	-.0014	1.013	1.413	.0009	.0005	24.25	-.0002	-.0003
Stddev	.0003	.0005	.0029	.024	.019	.0000	.0001	.02	.0002	.0006
%RSD	120.4	41.43	211.2	2.337	1.324	3.945	12.79	.0995	153.5	202.0
#1	.0005	.0016	.0007	.9966	1.426	.0010	.0005	24.27	.0000	-.0007
#2	.0000	.0009	-.0035	1.030	1.400	.0009	.0006	24.24	-.0003	.0001

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0015	-.0021	.0001	.0005	6.155	-.0005	.0507	.0002	.0002	-.0003
Stddev	.0010	.0013	.0001	.0005	.009	.0003	.0001	.0001	.0000	.0002
%RSD	65.47	62.32	110.5	92.95	.1408	51.40	.1215	33.10	17.02	61.55
#1	-.0023	-.0012	.0001	.0002	6.149	-.0007	.0506	.0002	.0002	-.0002
#2	-.0008	-.0030	.0000	.0008	6.161	-.0003	.0507	.0002	.0002	-.0004

Elem	W_2397	Zn2062	Zr3391
Avg	.0095	.0041	-.0012
Stddev	.0011	.0000	.0003
%RSD	11.65	.7468	21.70
#1	.0103	.0041	-.0010
#2	.0087	.0041	-.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2344.8	71414.	7625.1
Stddev	2.8	123.	57.2
%RSD	.11878	.17273	.75018
#1	2346.8	71501.	7584.6
#2	2342.8	71327.	7665.5

Zoom In Zoom Out

Sample Name: MC23937-1 Acquired: 9/3/2013 18:15:21 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0010	.0564	.0026	-.0024	.1359	.1967	.0000	40.96	.0018	.0031
Stddev	.0002	.0074	.0013	.0008	.0007	.0002	.0000	.05	.0001	.0002
%RSD	17.91	13.11	50.48	33.82	.5274	.1099	62.18	.1247	3.362	5.013
#1	.0011	.0617	.0016	-.0018	.1364	.1966	.0000	40.92	.0019	.0030
#2	.0008	.0512	.0035	-.0030	.1354	.1969	.0000	41.00	.0018	.0032

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0011	.0091	.2757	7.108	3.465	3.602	.0063	165.3	.0030	-.0002
Stddev	.0001	.0001	.0004	.062	.041	.011	.0002	.2	.0002	.0006
%RSD	8.419	1.610	.1451	.8720	1.178	.3065	3.458	.1173	7.896	302.7
#1	.0011	.0092	.2760	7.064	3.436	3.594	.0065	165.2	.0032	.0002
#2	.0012	.0090	.2755	7.151	3.494	3.609	.0061	165.4	.0028	-.0006

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0048	.0174	.0004	.0010	10.00	-.0007	.7295	.0034	-.0023	.0025
Stddev	.0021	.0020	.0003	.0010	.02	.0004	.0009	.0001	.0006	.0001
%RSD	44.40	11.44	78.28	95.40	.1578	54.97	.1298	3.532	24.81	3.854
#1	-.0063	.0188	.0006	.0003	10.01	-.0004	.7289	.0035	-.0027	.0024
#2	-.0033	.0160	.0002	.0017	9.992	-.0010	.7302	.0033	-.0019	.0025

Elem	W_2397	Zn2062	Zr3391
Avg	.0019	.0415	-.0019
Stddev	.0002	.0003	.0002
%RSD	9.398	.7236	8.386
#1	.0020	.0417	-.0018
#2	.0018	.0413	-.0020

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2316.0	71217.	7700.3
Stddev	3.8	79.	20.9
%RSD	.16583	.11024	.27084
#1	2313.3	71162.	7715.1
#2	2318.8	71273.	7685.6

Zoom In Zoom Out

Sample Name: MC23937-2 Acquired: 9/3/2013 18:19:47 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	.0262	.0065	-.0040	.0630	.1323	.0002	169.9	.0004	.0001
Stddev	.0000	.0116	.0008	.0003	.0000	.0001	.0001	.4	.0000	.0001
%RSD	8.825	44.04	12.82	7.911	.0437	.1063	74.70	.2287	11.96	74.09
#1	.0006	.0181	.0059	-.0042	.0630	.1323	.0003	170.2	.0004	.0001
#2	.0005	.0344	.0071	-.0038	.0630	.1322	.0001	169.6	.0004	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0003	.0013	12.29	10.11	44.52	2.585	.0728	116.6	-.0001	.0003
Stddev	.0001	.0002	.06	.01	.22	.004	.0000	.4	.0001	.0004
%RSD	25.41	15.59	.4684	.0977	.4902	.1421	.0104	.3187	119.9	136.4
#1	.0003	.0012	12.33	10.12	44.68	2.587	.0728	116.8	.0000	.0006
#2	.0004	.0014	12.24	10.10	44.37	2.582	.0728	116.3	-.0001	.0000

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0101	.0107	.0006	.0009	9.295	-.0011	.7348	.0040	-.0015	.0000
Stddev	.0001	.0022	.0002	.0005	.019	.0007	.0023	.0000	.0002	.000
%RSD	.4990	20.36	32.45	54.13	.2052	59.49	.3186	.5822	14.21	157.8
#1	-.0101	.0091	.0005	.0012	9.308	-.0016	.7365	.0039	-.0016	-.0001
#2	-.0102	.0122	.0008	.0006	9.281	-.0007	.7332	.0040	-.0013	.0000

Elem	W_2397	Zn2062	Zr3391
Avg	.0004	.0089	-.0018
Stddev	.0003	.0000	.0001
%RSD	65.15	.3607	8.057
#1	.0006	.0089	-.0017
#2	.0002	.0090	-.0019

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2272.3	69923.	7468.2
Stddev	.7	198.	17.0
%RSD	.02875	.28246	.22794
#1	2272.7	69784.	7480.2
#2	2271.8	70063.	7456.1

Zoom In Zoom Out

Sample Name: MC23937-3 Acquired: 9/3/2013 18:24:05 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	.0235	.0049	-.0014	.0475	.0504	.0001	176.7	.0001	.0009
Stddev	.0003	.0031	.0003	.0001	.0003	.0004	.0000	1.2	.0001	.0000
%RSD	60.63	13.30	6.854	5.959	.6739	.8705	4.256	.6940	53.18	3.764
#1	.0008	.0257	.0047	-.0015	.0473	.0501	.0002	175.9	.0001	.0009
#2	.0003	.0213	.0052	-.0014	.0477	.0507	.0001	177.6	.0001	.0010

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0005	.0023	.2312	10.84	44.52	.0833	.0798	96.27	.0033	-.0003
Stddev	.0001	.0005	.0008	.02	.09	.0014	.0006	.59	.0000	.0001
%RSD	22.79	19.98	.3407	.1443	.2088	1.715	.7156	.6118	.4918	23.48
#1	.0005	.0027	.2317	10.85	44.58	.0843	.0794	95.85	.0032	-.0004
#2	.0004	.0020	.2306	10.83	44.45	.0823	.0802	96.69	.0033	-.0003

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0113	.0024	.0010	.0002	4.862	-.0016	.6987	.0029	-.0010	.0002
Stddev	.0001	.0044	.0001	.0002	.003	.0002	.0048	.0002	.0006	.0001
%RSD	.7118	184.9	8.630	110.4	.0662	14.59	.6822	6.163	64.18	37.01
#1	-.0112	.0054	.0010	.0000	4.860	-.0018	.6953	.0030	-.0005	.0001
#2	-.0114	-.0007	.0009	.0003	4.865	-.0014	.7020	.0027	-.0014	.0002

Elem	W_2397	Zn2062	Zr3391
Avg	.0079	.0089	-.0008
Stddev	.0037	.0001	.0001
%RSD	46.76	.7538	12.81
#1	.0105	.0089	-.0008
#2	.0053	.0089	-.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2262.4	69967.	7581.7
Stddev	.4	124.	56.6
%RSD	.01787	.17677	.74706
#1	2262.1	70055.	7621.7
#2	2262.7	69880.	7541.6

Zoom In Zoom Out

Sample Name: MC23937-4 Acquired: 9/3/2013 18:28:24 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0006	.0000	.0025	-.0011	.0546	.0580	.0002	198.7	.0002	.0011
Stddev	.0002	.005	.0007	.0003	.0000	.0000	.0000	1.6	.0000	.0001
%RSD	32.02	93620.	25.95	26.63	.0691	.0619	20.00	.7948	21.98	9.416
#1	.0007	.0034	.0030	-.0013	.0546	.0580	.0001	197.6	.0002	.0011
#2	.0005	-.0034	.0021	-.0009	.0546	.0580	.0002	199.8	.0001	.0012

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0008	.0015	.1005	15.63	49.17	.0711	.0912	106.8	.0075	-.0001
Stddev	.0001	.0004	.0042	.01	.23	.0002	.0006	1.0	.0004	.0001
%RSD	10.07	26.35	4.195	.0338	.4638	.3461	.6300	.9311	5.546	58.42
#1	.0008	.0018	.1035	15.62	49.33	.0710	.0908	106.1	.0072	-.0001
#2	.0009	.0012	.0976	15.63	49.00	.0713	.0916	107.5	.0078	-.0002

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0133	.0010	.0012	.0021	4.909	-.0011	.7763	.0017	-.0004	.0000
Stddev	.0008	.0021	.0007	.0009	.005	.0002	.0080	.0001	.0003	.000
%RSD	6.384	196.5	54.26	44.65	.1051	21.21	1.032	7.731	79.97	780.1
#1	-.0127	.0025	.0017	.0027	4.912	-.0010	.7706	.0017	-.0006	.0001
#2	-.0139	-.0004	.0008	.0014	4.905	-.0013	.7819	.0018	-.0002	-.0001

Elem	W_2397	Zn2062	Zr3391
Avg	.0104	.0077	-.0011
Stddev	.0001	.0001	.0002
%RSD	1.288	1.493	17.84
#1	.0103	.0077	-.0009
#2	.0105	.0078	-.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2254.6	70378.	7598.3
Stddev	.1	103.	16.3
%RSD	.00329	.14703	.21396
#1	2254.5	70305.	7609.8
#2	2254.6	70452.	7586.8

Zoom In Zoom Out

Sample Name: MC23937-5 Acquired: 9/3/2013 18:32:44 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0009	-.0040	.0078	-.0041	.0859	.1812	.0001	120.4	.0010	.0002
Stddev	.0006	.0098	.0012	.0004	.0006	.0003	.0001	.5	.0001	.0002
%RSD	70.87	245.6	15.04	10.22	.7329	.1458	58.14	.4035	6.595	84.02
#1	.0013	.0029	.0087	-.0038	.0864	.1810	.0001	120.7	.0010	.0004
#2	.0004	-.0110	.0070	-.0043	.0855	.1814	.0001	120.0	.0010	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0007	.0010	22.14	10.32	33.01	2.965	.0119	170.3	-.0001	-.0010
Stddev	.0002	.0002	.11	.03	.02	.009	.0000	.5	.0002	.0010
%RSD	21.49	16.37	.4935	.3070	.0498	.2921	.1406	.2974	229.0	91.09
#1	.0008	.0012	22.22	10.34	33.00	2.972	.0120	170.6	.0001	-.0017
#2	.0006	.0009	22.07	10.29	33.02	2.959	.0119	169.9	-.0003	-.0004

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0095	.0169	.0009	.0007	14.83	-.0006	.6884	.0023	-.0007	.0009
Stddev	.0019	.0000	.0009	.0006	.03	.0003	.0013	.0001	.0003	.0001
%RSD	19.57	.0583	104.9	84.40	.1924	51.15	.1827	3.762	39.03	11.04
#1	-.0108	.0169	.0002	.0011	14.81	-.0004	.6893	.0022	-.0005	.0009
#2	-.0082	.0169	.0016	.0003	14.85	-.0008	.6875	.0023	-.0009	.0010

Elem	W_2397	Zn2062	Zr3391
Avg	.0013	.0177	-.0018
Stddev	.0031	.0005	.0000
%RSD	227.4	2.985	1.533
#1	-.0008	.0181	-.0018
#2	.0035	.0174	-.0018

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2280.9	69860.	7570.7
Stddev	4.9	489.	58.5
%RSD	.21671	.70062	.77211
#1	2284.4	69514.	7529.3
#2	2277.4	70206.	7612.0

Zoom In Zoom Out

Sample Name: MC23937-6 Acquired: 9/3/2013 18:37:07 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0007	.0645	.0040	-.0040	.0854	.0588	.0000	213.0	.0005	.0257
Stddev	.0001	.0020	.0050	.0006	.0002	.0004	.0000	2.5	.0000	.0001
%RSD	14.75	3.149	124.2	15.90	.2916	.6721	108.2	1.169	1.346	.3990
#1	.0007	.0660	.0075	-.0045	.0852	.0585	.0001	211.2	.0005	.0256
#2	.0008	.0631	.0005	-.0036	.0856	.0591	.0000	214.7	.0006	.0258

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0010	.0015	.9629	25.34	78.35	7.292	.0009	131.5	.0079	-.0012
Stddev	.0000	.0007	.0041	.05	.02	.024	.0000	1.3	.0002	.0012
%RSD	1.650	47.23	.4252	.1948	.0209	.3229	4.953	.9669	2.943	93.76
#1	.0010	.0020	.9600	25.38	78.36	7.309	.0008	130.6	.0078	-.0021
#2	.0010	.0010	.9658	25.31	78.34	7.276	.0009	132.4	.0081	-.0004

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0175	.0361	.0005	.0010	15.89	-.0011	.9733	.0084	-.0024	.0004
Stddev	.0007	.0022	.0002	.0002	.02	.0001	.0093	.0009	.0015	.0002
%RSD	4.169	5.960	48.26	21.27	.0948	8.116	.9553	11.15	62.25	46.07
#1	-.0170	.0346	.0007	.0009	15.90	-.0010	.9668	.0090	-.0014	.0006
#2	-.0180	.0376	.0003	.0012	15.88	-.0011	.9799	.0077	-.0035	.0003

Elem	W_2397	Zn2062	Zr3391
Avg	.0013	.0087	-.0031
Stddev	.0023	.0002	.0000
%RSD	181.0	2.353	.6899
#1	.0029	.0086	-.0031
#2	-.0004	.0089	-.0031

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2246.9	70110.	7547.3
Stddev	.1	109.	143.3
%RSD	.00513	.15503	1.8993
#1	2246.8	70187.	7648.6
#2	2247.0	70033.	7445.9

Zoom In Zoom Out

Sample Name: MC23938-1 Acquired: 9/3/2013 18:41:32 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	.3263	.0000	-.0005	.0470	.2725	.0000	43.35	.0002	.0002
Stddev	.000	.0025	.0002	.0004	.0004	.0022	.0002	.52	.0002	.0000
%RSD	2316.	.7527	1342.	87.07	.9180	.7968	566.0	1.203	100.8	14.33
#1	.0001	.3281	-.0001	-.0002	.0467	.2740	-.0001	43.72	.0003	.0002
#2	-.0001	.3246	.0002	-.0008	.0473	.2709	.0002	42.99	.0000	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0008	.0019	.1925	21.28	14.14	.0563	.0003	140.5	.0094	-.0001
Stddev	.0002	.0003	.0024	.12	.07	.0005	.0000	1.8	.0002	.0001
%RSD	24.36	13.69	1.234	.5842	.4893	.8664	2.924	1.276	1.663	69.14
#1	.0009	.0017	.1942	21.19	14.09	.0560	.0003	141.7	.0096	-.0001
#2	.0007	.0021	.1908	21.36	14.19	.0566	.0003	139.2	.0093	-.0002

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0041	-.0019	.0001	.0011	7.846	-.0013	.4577	.0181	-.0008	.0004
Stddev	.0007	.0047	.0006	.0002	.022	.0001	.0051	.0061	.0000	.0004
%RSD	15.86	241.7	439.0	16.21	.2780	11.11	1.122	33.51	4.644	84.43
#1	-.0037	.0014	-.0003	.0012	7.861	-.0012	.4613	.0224	-.0008	.0002
#2	-.0046	-.0053	.0006	.0010	7.830	-.0014	.4541	.0138	-.0008	.0007

Elem	W_2397	Zn2062	Zr3391
Avg	.0049	.0123	-.0015
Stddev	.0014	.0000	.0000
%RSD	29.06	.1252	3.038
#1	.0059	.0123	-.0016
#2	.0039	.0123	-.0015

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2320.1	71213.	7648.0
Stddev	5.7	66.	55.3
%RSD	.24494	.09257	.72327
#1	2316.0	71260.	7608.9
#2	2324.1	71167.	7687.2

Zoom In Zoom Out

Sample Name: MC23938-2 Acquired: 9/3/2013 18:45:52 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0007	-.0041	.0012	-.0009	.1639	.2641	.0001	118.1	.0028	.0039
Stddev	.0001	.0007	.0002	.0002	.0006	.0004	.0000	.2	.0002	.0000
%RSD	9.460	17.42	17.73	18.77	.3442	.1530	85.71	.2064	6.711	.0022
#1	.0007	-.0036	.0013	-.0008	.1635	.2638	.0001	118.3	.0026	.0039
#2	.0006	-.0046	.0010	-.0011	.1643	.2644	.0000	117.9	.0029	.0039

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0014	.0032	.0192	19.56	31.15	1.139	.0006	257.2	.0164	.0002
Stddev	.0002	.0004	.0028	.04	.00	.004	.0000	1.9	.0000	.0014
%RSD	16.51	12.37	14.50	.1974	.0059	.3041	3.039	.7401	.1456	885.4
#1	.0012	.0029	.0212	19.54	31.15	1.136	.0006	255.8	.0164	-.0008
#2	.0015	.0035	.0173	19.59	31.15	1.141	.0006	258.5	.0164	.0012

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0091	.0057	.0003	.0041	9.081	-.0005	1.010	.0015	-.0016	.0002
Stddev	.0006	.0031	.0000	.0010	.017	.0001	.002	.0000	.0006	.0001
%RSD	6.415	54.16	2.976	24.18	.1876	25.63	.2348	.6921	37.40	61.07
#1	-.0087	.0079	.0003	.0034	9.069	-.0004	1.012	.0015	-.0012	.0001
#2	-.0096	.0035	.0003	.0048	9.094	-.0006	1.009	.0014	-.0020	.0003

Elem	W_2397	Zn2062	Zr3391
Avg	.0039	.0184	-.0020
Stddev	.0032	.0000	.0000
%RSD	83.57	.0787	1.325
#1	.0016	.0184	-.0020
#2	.0062	.0184	-.0020

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2268.6	70317.	7668.7
Stddev	3.8	433.	25.0
%RSD	.16646	.61513	.32604
#1	2271.3	70623.	7651.0
#2	2265.9	70011.	7686.4

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/3/2013 18:50:14 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2404	10.14	2.017	-.0026	1.998	1.928	1.923	10.14	1.984	2.090
Stddev	.0008	.14	.002	.0013	.002	.016	.016	.06	.002	.003
%RSD	.3343	1.414	.0973	48.22	.1012	.8146	.8293	.5772	.0993	.1369
#1	.2399	10.04	2.018	-.0035	2.000	1.917	1.912	10.10	1.986	2.092
#2	.2410	10.24	2.016	-.0017	1.997	1.939	1.935	10.18	1.983	2.088

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.940	1.948	10.36	9.749	10.19	1.920	2.007	10.40	2.019	1.981
Stddev	.006	.002	.11	.039	.03	.004	.001	.05	.002	.005
%RSD	.3229	.0933	1.017	.3992	.3188	.2241	.0579	.5267	.0947	.2697
#1	1.944	1.947	10.29	9.722	10.21	1.923	2.008	10.36	2.020	1.985
#2	1.935	1.950	10.44	9.777	10.17	1.917	2.006	10.44	2.017	1.977

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0000	.0013	2.020	2.043	.1609	2.069	1.939	1.939	1.986	1.913
Stddev	.001	.0018	.003	.002	.0018	.004	.017	.002	.000	.006
%RSD	2485.	138.4	.1653	.1080	1.121	.1943	.8712	.1213	.0192	.3198
#1	-.0007	.0000	2.023	2.045	.1621	2.072	1.927	1.940	1.986	1.917
#2	.0006	.0026	2.018	2.042	.1596	2.066	1.951	1.937	1.985	1.909

Elem	W_2397	Zn2062	Zr3391
Avg	-.0071	1.985	-.0051
Stddev	.0039	.004	.0000
%RSD	54.80	.2204	.8438
#1	-.0098	1.988	-.0051
#2	-.0043	1.982	-.0051

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2358.2	71769.	7671.9
Stddev	4.9	241.	45.6
%RSD	.20638	.33583	.59383
#1	2354.7	71599.	7704.1
#2	2361.6	71940.	7639.7

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/3/2013 18:54:25 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0009	-.0088	.0005	-.0001	.0026	.0003	.0002	.0082	.0000
Stddev	.0003	.0041	.0000	.0006	.0002	.0003	.0001	.0033	.0001
%RSD	35.13	46.87	9.497	471.6	7.459	81.21	60.33	41.06	104.8
#1	.0011	-.0059	.0005	-.0005	.0028	.0001	.0002	.0058	.0001
#2	.0007	-.0118	.0005	.0003	.0025	.0005	.0001	.0105	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0003	-.0003	.0010	-.0021	.0874	-.0051	.0002	.0024	.0204
Stddev	.0000	.0001	.0000	.0053	.0201	.0309	.0000	.0007	.0063
%RSD	19.21	24.37	1.551	255.2	23.02	602.9	.2871	29.35	31.12
#1	.0003	-.0002	.0009	-.0058	.1016	-.0270	.0002	.0029	.0159
#2	.0002	-.0003	.0010	.0017	.0731	.0167	.0002	.0019	.0249

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	-.0001	.0005	-.0009	.0034	.0000	.0005	.0022	.0005	.0002
Stddev	.0000	.0002	.0015	.0036	.0003	.0004	.0011	.0000	.0001
%RSD	27.13	28.58	173.2	104.4	2133.	73.56	48.93	9.852	31.59
#1	-.0001	.0004	.0002	.0009	-.0002	.0002	.0014	.0005	.0001
#2	-.0001	.0006	-.0019	.0059	.0002	.0007	.0029	.0004	.0002

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0006	F.0027	-.0001	.0014	-.0008	-.0001
Stddev	.0001	.0004	.0002	.0008	.0001	.0000
%RSD	20.14	13.35	374.4	56.13	12.51	23.88
#1	.0007	.0029	-.0002	.0008	-.0008	-.0001
#2	.0005	.0024	.0001	.0019	-.0007	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2359.8	71906.	7621.6
Stddev	1.1	112.	11.2
%RSD	.04457	.15568	.14728
#1	2359.1	71827.	7613.7
#2	2360.6	71985.	7629.5

Zoom In Zoom Out

Sample Name: MC23938-3 Acquired: 9/3/2013 18:58:48 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0247	.0026	-.0012	.1494	.2440	.0002	92.99	.0003	.0015
Stddev	.0003	.0145	.0001	.0012	.0011	.0044	.0000	2.04	.0001	.0003
%RSD	151.9	58.68	5.046	93.05	.7641	1.797	7.379	2.191	27.15	16.59
#1	.0004	.0350	.0025	-.0021	.1486	.2409	.0002	91.55	.0002	.0017
#2	.0000	.0145	.0027	-.0004	.1502	.2471	.0002	94.43	.0003	.0014

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0005	.0012	5.576	17.89	20.44	1.606	.0023	265.1	.0021	-.0005
Stddev	.0003	.0001	.014	.02	.07	.004	.0000	2.6	.0000	.0005
%RSD	54.10	7.771	.2512	.1274	.3373	.2345	1.714	.9943	2.150	103.1
#1	.0003	.0013	5.566	17.87	20.49	1.603	.0023	263.3	.0021	-.0001
#2	.0007	.0011	5.586	17.90	20.40	1.609	.0022	267.0	.0020	-.0009

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0070	.0090	.0009	.0018	7.839	-.0007	.7054	.0031	-.0010	.0001
Stddev	.0000	.0021	.0002	.0005	.002	.0000	.0176	.0002	.0008	.0002
%RSD	.6922	23.12	17.42	30.83	.0297	3.322	2.501	5.941	75.28	198.4
#1	-.0070	.0104	.0010	.0014	7.837	-.0007	.6929	.0030	-.0015	.0002
#2	-.0070	.0075	.0008	.0022	7.841	-.0007	.7178	.0032	-.0005	.0000

Elem	W_2397	Zn2062	Zr3391
Avg	.0038	.0073	-.0018
Stddev	.0009	.0000	.0003
%RSD	24.38	.4486	14.14
#1	.0045	.0073	-.0020
#2	.0032	.0074	-.0017

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2275.9	70461.	7666.0
Stddev	2.3	558.	162.6
%RSD	.10139	.79172	2.1207
#1	2277.5	70856.	7780.9
#2	2274.3	70067.	7551.0

Zoom In Zoom Out

Sample Name: MC23938-4 Acquired: 9/3/2013 19:03:13 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0008	-.0087	.0043	-.0033	.1419	.2601	.0002	85.38	.0004	.0076
Stddev	.0001	.0048	.0003	.0017	.0003	.0006	.0000	.08	.0001	.0000
%RSD	11.58	54.66	7.169	53.11	.2416	.2431	24.25	.0898	32.97	.0988
#1	.0008	-.0054	.0041	-.0020	.1422	.2606	.0002	85.43	.0004	.0075
#2	.0007	-.0121	.0045	-.0045	.1417	.2597	.0001	85.32	.0003	.0076

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0005	.0016	18.44	21.17	22.63	3.100	.0017	152.2	.0071	-.0004
Stddev	.0008	.0001	.02	.00	.11	.030	.0001	.0	.0001	.0004
%RSD	160.2	8.794	.1085	.0186	.4835	.9667	7.929	.0189	1.120	102.3
#1	-.0001	.0017	18.45	21.17	22.70	3.121	.0018	152.2	.0070	-.0007
#2	.0010	.0015	18.43	21.17	22.55	3.079	.0016	152.2	.0072	-.0001

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0059	.0118	.0002	.0010	6.978	-.0011	.7812	.0012	-.0018	.0001
Stddev	.0007	.0007	.0005	.0001	.011	.0003	.0017	.0003	.0000	.0001
%RSD	11.60	6.077	217.0	5.403	.1536	29.51	.2228	28.83	.1000	114.9
#1	-.0055	.0113	.0006	.0010	6.985	-.0014	.7824	.0014	-.0018	.0000
#2	-.0064	.0123	-.0001	.0009	6.970	-.0009	.7799	.0009	-.0018	.0002

Elem	W_2397	Zn2062	Zr3391
Avg	.0076	.0080	-.0019
Stddev	.0019	.0000	.0002
%RSD	24.83	.2007	8.297
#1	.0063	.0080	-.0018
#2	.0090	.0080	-.0020

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2287.1	71366.	7697.9
Stddev	6.3	972.	13.6
%RSD	.27550	1.3614	.17623
#1	2282.7	70679.	7688.3
#2	2291.6	72053.	7707.5

Zoom In Zoom Out

Sample Name: MC23938-5 Acquired: 9/3/2013 19:07:37 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0006	-.0018	.0029	-.0027	.2294	.1106	.0001	67.95	.0004	.0007
Stddev	.0001	.0128	.0016	.0003	.0002	.0010	.0001	.62	.0002	.0001
%RSD	12.63	718.3	55.44	12.39	.0941	.8603	72.25	.9078	43.94	19.11
#1	.0005	-.0108	.0018	-.0025	.2292	.1113	.0001	68.38	.0003	.0006
#2	.0006	.0072	.0041	-.0030	.2295	.1100	.0002	67.51	.0005	.0008

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0001	.0019	12.37	12.05	10.57	1.973	.0014	198.4	.0021	-.0005
Stddev	.0000	.0004	.01	.00	.07	.004	.0001	1.8	.0001	.0009
%RSD	33.57	21.91	.0664	.0014	.6269	.1852	4.852	.8862	4.951	184.5
#1	.0001	.0016	12.37	12.05	10.61	1.970	.0014	199.6	.0020	-.0011
#2	.0001	.0022	12.36	12.05	10.52	1.975	.0015	197.1	.0021	.0002

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0043	.0103	.0012	.0001	12.03	-.0010	.3917	.0010	-.0021	.0012
Stddev	.0011	.0007	.0004	.0003	.00	.0002	.0035	.0001	.0007	.0001
%RSD	24.54	6.637	28.63	318.4	.0158	20.37	.8872	8.284	32.24	11.99
#1	-.0050	.0098	.0010	.0003	12.03	-.0012	.3942	.0009	-.0016	.0011
#2	-.0035	.0107	.0015	-.0001	12.03	-.0009	.3893	.0011	-.0026	.0013

Elem	W_2397	Zn2062	Zr3391
Avg	.0057	.0072	-.0025
Stddev	.0008	.0000	.0000
%RSD	13.48	.5331	.6493
#1	.0052	.0073	-.0025
#2	.0063	.0072	-.0025

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2296.7	71003.	7704.7
Stddev	.4	224.	48.1
%RSD	.01533	.31510	.62414
#1	2297.0	71161.	7670.7
#2	2296.5	70845.	7738.7

Zoom In Zoom Out

Sample Name: MC23938-7F Acquired: 9/3/2013 19:11:59 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	-.0105	.0098	-.0035	.1559	.2016	.0001	59.31	.0012	.0245
Stddev	.0004	.0009	.0003	.0010	.0005	.0028	.0001	.61	.0000	.0002
%RSD	75.79	9.015	2.623	29.55	.3141	1.410	96.93	1.027	1.852	.8385
#1	.0008	-.0098	.0096	-.0043	.1555	.1995	.0001	58.88	.0012	.0243
#2	.0002	-.0112	.0100	-.0028	.1562	.2036	.0000	59.74	.0012	.0246

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0019	12.23	14.79	18.51	4.670	.0024	150.9	.0111	-.0004
Stddev	.0000	.0001	.10	.11	.14	.039	.0002	1.7	.0001	.0009
%RSD	2.662	5.331	.8251	.7642	.7395	.8418	8.784	1.111	.9286	242.3
#1	.0002	.0018	12.16	14.71	18.42	4.643	.0022	149.7	.0111	-.0010
#2	.0002	.0020	12.30	14.87	18.61	4.698	.0025	152.1	.0110	.0003

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0041	.0245	.0010	.0015	7.795	-.0009	.6150	.0010	-.0015	-.0003
Stddev	.0008	.0037	.0003	.0016	.011	.0001	.0070	.0003	.0004	.0004
%RSD	20.18	15.18	28.17	103.7	.1350	12.67	1.137	33.80	24.11	120.0
#1	-.0047	.0272	.0008	.0004	7.802	-.0008	.6101	.0013	-.0018	-.0001
#2	-.0035	.0219	.0012	.0027	7.787	-.0010	.6200	.0008	-.0013	-.0006

Elem	W_2397	Zn2062	Zr3391
Avg	.0063	.0209	-.0016
Stddev	.0009	.0002	.0001
%RSD	14.08	.9625	8.491
#1	.0056	.0208	-.0015
#2	.0069	.0210	-.0017

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2297.3	71002.	7666.3
Stddev	1.9	420.	35.6
%RSD	.08241	.59176	.46430
#1	2298.7	71299.	7691.5
#2	2296.0	70705.	7641.1

Zoom In Zoom Out

Sample Name: MC23943-1 Acquired: 9/3/2013 19:16:25 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	.0056	.0004	-.0019	.0348	.1175	.0001	216.9	.0000	.0000
Stddev	.0006	.0096	.0000	.0008	.0007	.0006	.0001	.8	.0001	.000
%RSD	142.5	169.9	5.679	40.93	2.030	.5226	112.2	.3811	174.2	598.7
#1	.0008	.0124	.0004	-.0013	.0343	.1180	.0002	217.5	.0001	-.0002
#2	.0000	-.0011	.0004	-.0024	.0353	.1171	.0000	216.3	.0000	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0035	.0680	1.871	79.91	.0396	.0011	31.91	.0002	-.0006
Stddev	.0000	.0007	.0012	.030	.14	.0008	.0000	.09	.0001	.0004
%RSD	2.391	19.77	1.776	1.601	.1783	1.941	4.453	.2720	38.25	73.76
#1	.0002	.0030	.0671	1.850	79.81	.0390	.0011	31.97	.0002	-.0009
#2	.0002	.0040	.0689	1.892	80.01	.0401	.0010	31.84	.0003	-.0003

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0154	.0008	.0007	.0015	6.392	-.0011	1.322	.0019	-.0003	.0001
Stddev	.0014	.0026	.0004	.0004	.002	.0001	.002	.0001	.0000	.0003
%RSD	8.957	339.2	60.72	25.57	.0280	10.13	.1771	2.783	.0884	262.8
#1	-.0163	.0026	.0004	.0012	6.391	-.0010	1.324	.0020	-.0003	-.0001
#2	-.0144	-.0011	.0010	.0018	6.393	-.0012	1.320	.0019	-.0003	.0003

Elem	W_2397	Zn2062	Zr3391
Avg	.0043	.0317	-.0013
Stddev	.0002	.0003	.0001
%RSD	5.125	1.093	4.674
#1	.0045	.0315	-.0013
#2	.0042	.0320	-.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2250.3	70007.	7661.6
Stddev	4.0	106.	56.3
%RSD	.17934	.15087	.73482
#1	2247.5	69932.	7621.8
#2	2253.2	70082.	7701.4

Zoom In Zoom Out

Sample Name: MC23954-3F Acquired: 9/3/2013 19:20:45 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0006	1.358	.0012	.0001	.0277	.0356	.0001	66.62	.0001	-.0002
Stddev	.0001	.003	.0001	.0003	.0005	.0002	.0000	.35	.0000	.0001
%RSD	9.838	.1849	5.394	348.4	1.651	.4360	22.35	.5209	35.85	28.86
#1	.0006	1.360	.0012	.0003	.0273	.0357	.0001	66.87	.0001	-.0002
#2	.0007	1.356	.0013	-.0001	.0280	.0354	.0001	66.38	.0001	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0012	.0014	.3936	2.365	13.74	.0022	.0004	31.54	.0000	.0001
Stddev	.0001	.0002	.0080	.017	.08	.0000	.0001	.21	.000	.0003
%RSD	5.680	13.35	2.040	.7287	.6097	.9331	17.21	.6814	447.9	540.2
#1	.0012	.0015	.3880	2.377	13.80	.0022	.0005	31.69	.0000	-.0001
#2	.0011	.0013	.3993	2.353	13.68	.0022	.0004	31.39	.0000	.0002

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0064	.0024	.0001	.0053	5.912	-.0012	.1818	.0122	-.0012	.0006
Stddev	.0010	.0018	.0001	.0006	.018	.0000	.0023	.0009	.0015	.0005
%RSD	16.25	76.67	107.2	12.26	.3018	1.594	1.287	7.327	125.2	76.80
#1	-.0071	.0011	.0000	.0048	5.925	-.0012	.1835	.0116	-.0022	.0009
#2	-.0057	.0037	.0001	.0057	5.900	-.0012	.1801	.0128	-.0001	.0003

Elem	W_2397	Zn2062	Zr3391
Avg	.0028	.0192	-.0004
Stddev	.0035	.0000	.0003
%RSD	126.0	.1406	81.05
#1	.0053	.0192	-.0002
#2	.0003	.0192	-.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2321.7	70926.	7603.2
Stddev	1.8	120.	21.5
%RSD	.07640	.16939	.28269
#1	2323.0	71011.	7618.4
#2	2320.4	70842.	7588.0

Zoom In Zoom Out

Sample Name: MC23954-4F Acquired: 9/3/2013 19:25:05 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0011	.0301	.0031	-.0065	.0428	.2086	.0001	146.3	.0005	.0041
Stddev	.0012	.0238	.0005	.0003	.0004	.0010	.0000	.4	.0000	.0000
%RSD	109.7	78.91	16.06	4.224	.8232	.4944	8.257	.2741	9.687	.5179
#1	.0020	.0469	.0027	-.0066	.0426	.2093	.0001	146.6	.0004	.0042
#2	.0003	.0133	.0034	-.0063	.0431	.2079	.0001	146.1	.0005	.0041

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	.0007	72.99	7.127	36.13	6.589	-.0001	290.4	.0008	-.0011
Stddev	.0001	.0003	.35	.038	.21	.039	.0002	.0	.0001	.0001
%RSD	18.84	42.79	.4785	.5359	.5941	.5892	167.5	.0010	6.967	5.475
#1	-.0003	.0005	73.24	7.154	35.98	6.562	-.0002	290.4	.0007	-.0012
#2	-.0002	.0009	72.75	7.100	36.28	6.617	.0000	290.4	.0008	-.0011

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0075	.0247	.0005	.0010	4.351	-.0005	.4115	.0022	-.0027	-.0006
Stddev	.0008	.0008	.0001	.0001	.024	.0002	.0032	.0003	.0000	.0001
%RSD	10.04	3.066	22.22	11.47	.5469	35.52	.7699	15.81	.4301	19.46
#1	-.0081	.0253	.0006	.0010	4.334	-.0004	.4137	.0025	-.0026	-.0007
#2	-.0070	.0242	.0004	.0011	4.367	-.0007	.4093	.0020	-.0027	-.0005

Elem	W_2397	Zn2062	Zr3391
Avg	-.0022	.0610	-.0013
Stddev	.0031	.0003	.0002
%RSD	140.9	.5228	12.13
#1	-.0044	.0607	-.0014
#2	.0000	.0612	-.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2256.0	70107.	7628.5
Stddev	6.5	270.	37.8
%RSD	.28736	.38498	.49541
#1	2260.6	69917.	7655.3
#2	2251.4	70298.	7601.8

Zoom In Zoom Out

Sample Name: MC23954-7 Acquired: 9/3/2013 19:29:36 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	.2558	.0006	-.0006	.0782	.0294	.0000	78.93	.0003	-.0002
Stddev	.0002	.0105	.0003	.0001	.0012	.0002	.0000	.94	.0000	.0001
%RSD	37.23	4.094	49.72	24.20	1.577	.7374	9.955	1.192	6.955	77.15
#1	.0003	.2632	.0004	-.0007	.0773	.0292	.0000	78.27	.0003	-.0002
#2	.0006	.2484	.0008	-.0005	.0790	.0295	.0000	79.60	.0003	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0017	.0057	.2362	10.15	18.55	.0206	.0052	147.3	.0004	.0001
Stddev	.0001	.0001	.0009	.06	.10	.0001	.0001	1.3	.0000	.0000
%RSD	5.249	2.468	.3661	.5617	.5422	.4293	1.936	.9060	1.876	28.00
#1	.0018	.0056	.2356	10.11	18.48	.0205	.0051	146.4	.0004	.0002
#2	.0017	.0058	.2369	10.19	18.62	.0206	.0052	148.2	.0004	.0001

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0060	-.0005	.0019	.0047	7.568	-.0007	.1359	.0142	-.0003	.0125
Stddev	.0006	.0011	.0001	.0002	.016	.0004	.0003	.0015	.0002	.0001
%RSD	10.20	225.5	4.562	4.797	.2077	57.06	.2195	10.56	62.08	.9985
#1	-.0055	.0003	.0020	.0046	7.557	-.0004	.1357	.0152	-.0005	.0124
#2	-.0064	-.0013	.0019	.0049	7.579	-.0009	.1361	.0131	-.0002	.0126

Elem	W_2397	Zn2062	Zr3391
Avg	.0030	.0206	-.0007
Stddev	.0020	.0000	.0002
%RSD	66.01	.1274	28.36
#1	.0016	.0206	-.0005
#2	.0045	.0206	-.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2300.2	70538.	7533.0
Stddev	3.1	144.	72.7
%RSD	.13503	.20422	.96532
#1	2302.4	70437.	7584.4
#2	2298.0	70640.	7481.6

Zoom In Zoom Out

Sample Name: MC23954-8 Acquired: 9/3/2013 19:33:57 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0010	.0636	.0008	-.0004	.0753	.0764	.0001	86.66	.0000	-.0002
Stddev	.0005	.0188	.0009	.0003	.0005	.0010	.0002	1.63	.0002	.0002
%RSD	51.64	29.55	115.6	85.08	.6012	1.318	309.8	1.876	917.2	99.86
#1	.0014	.0503	.0001	-.0006	.0749	.0771	-.0001	87.81	.0001	-.0001
#2	.0007	.0769	.0014	-.0002	.0756	.0757	.0002	85.51	-.0001	-.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0018	.0015	.0705	3.661	21.51	.0698	.0010	115.1	-.0003	.0002
Stddev	.0002	.0004	.0053	.048	.03	.0003	.0000	2.2	.0001	.0002
%RSD	10.84	24.82	7.587	1.305	.1208	.3977	.4430	1.922	34.96	125.9
#1	.0019	.0012	.0667	3.627	21.53	.0696	.0010	116.7	-.0004	.0003
#2	.0016	.0018	.0743	3.695	21.49	.0700	.0010	113.6	-.0003	.0000

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0061	-.0013	.0005	.0046	4.080	-.0008	.2151	.0055	-.0011	.0005
Stddev	.0010	.0008	.0002	.0001	.005	.0000	.0044	.0004	.0005	.0001
%RSD	16.44	64.27	42.28	1.278	.1127	2.023	2.052	7.829	48.03	18.72
#1	-.0053	-.0007	.0006	.0046	4.083	-.0008	.2182	.0059	-.0015	.0006
#2	-.0068	-.0019	.0003	.0045	4.076	-.0008	.2120	.0052	-.0007	.0005

Elem	W_2397	Zn2062	Zr3391
Avg	.0067	.0102	-.0004
Stddev	.0022	.0000	.0001
%RSD	33.57	.0562	22.04
#1	.0051	.0102	-.0004
#2	.0083	.0102	-.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2306.9	70812.	7623.1
Stddev	.3	68.	142.7
%RSD	.01400	.09596	1.8714
#1	2307.1	70764.	7522.3
#2	2306.7	70860.	7724.0

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/3/2013 19:38:17 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2370	10.32	2.025	-.0028	2.003	1.964	1.957	10.34	1.994	2.101
Stddev	.0126	.37	.000	.0015	.001	.062	.063	.36	.000	.002
%RSD	5.324	3.626	.0068	52.46	.0674	3.174	3.214	3.493	.0159	.0976
#1	.2281	10.06	2.024	-.0018	2.002	1.920	1.913	10.09	1.994	2.103
#2	.2459	10.59	2.025	-.0039	2.004	2.008	2.002	10.60	1.994	2.100

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.901	1.903	10.57	9.917	10.45	1.878	2.017	10.51	2.030	1.994
Stddev	.100	.097	.36	.303	.44	.098	.002	.34	.001	.000
%RSD	5.265	5.075	3.445	3.055	4.249	5.190	.0858	3.222	.0547	.0030
#1	1.831	1.835	10.31	9.703	10.14	1.809	2.016	10.28	2.031	1.994
#2	1.972	1.971	10.83	10.13	10.77	1.947	2.018	10.75	2.029	1.994

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0005	.0077	2.027	2.051	.1613	2.082	1.966	1.900	1.996	1.875
Stddev	.0002	.0005	.002	.005	.0063	.001	.065	.102	.002	.095
%RSD	33.32	6.814	.0968	.2405	3.929	.0234	3.312	5.391	.0832	5.082
#1	.0007	.0073	2.028	2.055	.1658	2.083	1.920	1.828	1.995	1.807
#2	.0004	.0080	2.025	2.048	.1568	2.082	2.012	1.973	1.997	1.942

Elem	W_2397	Zn2062	Zr3391
Avg	-.0072	1.999	-.0056
Stddev	.0008	.000	.0001
%RSD	10.71	.0197	1.197
#1	-.0078	1.998	-.0056
#2	-.0067	1.999	-.0055

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2350.5	73265.	7445.8
Stddev	3.4	3089.	199.2
%RSD	.14473	4.2157	2.6755
#1	2352.9	75449.	7586.7
#2	2348.1	71081.	7305.0

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/3/2013 19:42:29 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0007	-.0133	.0010	-.0003	.0025	.0003	.0001	.0060	.0001
Stddev	.0005	.0041	.0007	.0000	.0001	.0000	.0000	.0028	.0001
%RSD	74.87	30.83	69.80	12.95	5.515	13.03	26.20	46.76	44.40
#1	.0010	-.0104	.0014	-.0003	.0026	.0003	.0002	.0040	.0001
#2	.0003	-.0162	.0005	-.0003	.0024	.0003	.0001	.0080	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	-.0001	.0010	.0000	.0581	.0143	.0002	.0025	.0307
Stddev	.0001	.0002	.0001	.0004	.0240	.0341	.0001	.0006	.0062
%RSD	62.61	143.4	14.08	2961.	41.31	237.7	28.75	23.14	20.11
#1	.0001	-.0002	.0012	-.0003	.0751	-.0098	.0002	.0029	.0263
#2	.0002	.0000	.0009	.0003	.0411	.0385	.0003	.0021	.0351

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0002	.0007	.0001	-.0007	.0006	.0011	.0028	.0002	.0002
Stddev	.0003	.0001	.0008	.0007	.0001	.0005	.0001	.0002	.0000
%RSD	126.4	13.86	1016.	91.52	9.444	45.27	5.045	79.51	14.43
#1	.0000	.0006	-.0005	-.0012	.0007	.0015	.0027	.0001	.0002
#2	.0004	.0008	.0007	-.0003	.0006	.0008	.0029	.0004	.0002

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0003	F.0021	-.0006	.0042	-.0007	.0000
Stddev	.0001	.0006	.0001	.0043	.0000	.000
%RSD	17.97	26.46	21.85	103.0	2.130	579.4
#1	.0003	.0017	-.0005	.0073	-.0007	-.0001
#2	.0004	.0025	-.0007	.0011	-.0006	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2362.9	71872.	7526.0
Stddev	3.6	53.	66.1
%RSD	.15222	.07347	.87848
#1	2365.5	71910.	7479.3
#2	2360.4	71835.	7572.8

Zoom In Zoom Out

Sample Name: CRI Acquired: 9/3/2013 19:46:53 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0055	.2004	.0040	-.0008	.1037	.0507	.0043	5.127	.0043	.0542
Stddev	.0000	.0112	.0002	.0004	.0001	.0002	.0000	.014	.0001	.0001
%RSD	.2083	5.599	4.991	41.65	.0779	.4000	.7540	.2726	3.474	.1439
#1	.0055	.1925	.0042	-.0011	.1038	.0506	.0043	5.117	.0041	.0543
#2	.0055	.2083	.0039	-.0006	.1036	.0509	.0043	5.137	.0044	.0541

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0101	.0259	.1071	4.962	5.052	.0155	.1051	5.301	.0421	.0058
Stddev	.0001	.0001	.0062	.001	.027	.0000	.0002	.006	.0001	.0007
%RSD	1.177	.2488	5.788	.0205	.5409	.3076	.1890	.1094	.3454	12.86
#1	.0102	.0259	.1114	4.963	5.033	.0155	.1052	5.305	.0420	.0052
#2	.0100	.0259	.1027	4.961	5.072	.0156	.1050	5.296	.0422	.0063

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0017	.0054	.0059	.0119	.0034	.1050	.0099	.0521	.0053	.0099
Stddev	.0015	.0003	.0000	.0000	.0004	.0002	.0000	.0011	.0005	.0004
%RSD	89.93	6.195	.6128	.0374	11.10	.2028	.4203	2.066	9.500	3.654
#1	-.0027	.0056	.0059	.0119	.0031	.1049	.0099	.0529	.0049	.0102
#2	-.0006	.0051	.0060	.0119	.0037	.1052	.0099	.0514	.0056	.0097

Elem	W_2397	Zn2062	Zr3391
Avg	.0042	.0203	-.0003
Stddev	.0055	.0002	.0002
%RSD	130.8	.8869	62.03
#1	.0003	.0202	-.0002
#2	.0082	.0205	-.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2359.0	72117.	7631.3
Stddev	3.6	442.	57.3
%RSD	.15412	.61311	.75100
#1	2356.5	71804.	7671.8
#2	2361.6	72430.	7590.7

Zoom In Zoom Out

Sample Name: CRIA Acquired: 9/3/2013 19:51:13 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0058	.2140	.0113	-.0009	.1036	.0507	.0043	5.220	.0042	.0539
Stddev	.0003	.0003	.0001	.0011	.0003	.0005	.0000	.046	.0000	.0001
%RSD	5.732	.1336	.9828	124.1	.3358	.9559	.9723	.8757	1.162	.1871
#1	.0056	.2138	.0112	-.0001	.1038	.0511	.0043	5.252	.0042	.0539
#2	.0061	.2142	.0114	-.0016	.1034	.0504	.0043	5.188	.0043	.0540

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0103	.0257	.1057	5.041	5.179	.0155	.1042	5.372	.0420	.0108
Stddev	.0003	.0003	.0058	.053	.033	.0001	.0003	.076	.0002	.0006
%RSD	2.567	1.029	5.440	1.057	.6292	.8827	.2990	1.412	.4490	5.560
#1	.0101	.0255	.1098	5.078	5.202	.0154	.1040	5.425	.0419	.0113
#2	.0105	.0258	.1017	5.003	5.156	.0156	.1044	5.318	.0422	.0104

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0006	.0009	.0108	.0110	.0059	.1047	.0100	.0515	.0105	.0100
Stddev	.0013	.0017	.0005	.0005	.0009	.0001	.0000	.0001	.0003	.0003
%RSD	206.0	201.3	4.212	4.702	14.95	.0818	.2003	.2509	2.739	2.956
#1	-.0015	.0021	.0105	.0114	.0065	.1046	.0100	.0514	.0108	.0102
#2	.0003	-.0004	.0112	.0107	.0052	.1047	.0100	.0516	.0103	.0098

Elem	W_2397	Zn2062	Zr3391
Avg	.0036	.0204	-.0005
Stddev	.0007	.0002	.0002
%RSD	20.82	.8070	48.21
#1	.0041	.0203	-.0003
#2	.0031	.0206	-.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2362.8	72141.	7558.1
Stddev	2.9	61.	51.4
%RSD	.12120	.08445	.67992
#1	2364.9	72098.	7521.8
#2	2360.8	72184.	7594.5

Zoom In Zoom Out

Sample Name: MC23894-1 Acquired: 9/3/2013 19:55:34 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	57.41	.0601	-.0084	.0634	.3881	.0043	423.1	.0022	.0507
Stddev	.0000	.16	.0008	.0005	.0002	.0004	.0000	7.6	.0002	.0002
%RSD	11.97	.2747	1.336	6.171	.3348	.1088	.6941	1.801	8.527	.3835
#1	.0003	57.30	.0595	-.0081	.0632	.3878	.0043	417.7	.0023	.0508
#2	.0004	57.52	.0606	-.0088	.0635	.3884	.0044	428.4	.0021	.0505

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0865	.1713	140.7	11.41	180.5	3.280	.0241	.7323	.1768	.0733
Stddev	.0009	.0024	.7	.00	.8	.057	.0000	.0004	.0001	.0005
%RSD	1.064	1.386	.4695	.0411	.4637	1.734	.0770	.0518	.0667	.7476
#1	.0859	.1696	140.2	11.42	179.9	3.240	.0241	.7320	.1767	.0736
#2	.0872	.1729	141.1	11.41	181.1	3.321	.0241	.7326	.1769	.0729

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0217	.0114	.0002	-.0009	4.288	.0030	.2580	2.071	.0006	.1855
Stddev	.0005	.0012	.0002	.0005	.003	.0001	.0002	.025	.0000	.0018
%RSD	2.525	10.59	133.8	50.98	.0588	2.548	.0621	1.221	7.303	.9914
#1	-.0221	.0122	.0000	-.0006	4.289	.0029	.2579	2.053	.0005	.1842
#2	-.0213	.0105	.0003	-.0012	4.286	.0030	.2581	2.089	.0006	.1868

Elem	W_2397	Zn2062	Zr3391
Avg	-.0014	.4803	.0579
Stddev	.0080	.0001	.0005
%RSD	566.0	.0181	.9489
#1	-.0070	.4803	.0575
#2	.0042	.4802	.0582

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2464.8	77105.	8383.2
Stddev	1.5	876.	115.9
%RSD	.06019	1.1363	1.3824
#1	2465.9	77725.	8465.1
#2	2463.8	76486.	8301.2

Zoom In Zoom Out

Sample Name: MC23894-3 Acquired: 9/3/2013 20:00:02 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0004	49.07	.0442	-.0076	.0819	.2946	.0026	F859.1	.0020
Stddev	.0005	.03	.0011	.0016	.0002	.0008	.0001	15.2	.0001
%RSD	132.9	.0569	2.437	20.78	.2293	.2552	2.786	1.773	2.727
#1	.0000	49.09	.0434	-.0065	.0817	.2941	.0025	869.9	.0019
#2	-.0007	49.05	.0449	-.0087	.0820	.2951	.0026	848.4	.0020

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0429	.0799	.1107	100.9	12.50	306.6	2.745	.0126	1.650
Stddev	.0000	.0001	.0006	.4	.05	1.4	.002	.0001	.005
%RSD	.1158	.0857	.5842	.3542	.3631	.4582	.0605	.5617	.2884
#1	.0428	.0799	.1111	101.2	12.53	307.6	2.746	.0125	1.647
#2	.0429	.0800	.1102	100.7	12.46	305.6	2.744	.0126	1.653

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.1179	.0530	-.0450	.0067	-.0003	-.0002	4.639	.0033	.8316
Stddev	.0000	.0006	.0017	.0025	.0001	.0004	.004	.0003	.0000
%RSD	.0192	1.137	3.711	37.41	30.97	241.7	.0825	8.673	.0023
#1	.1179	.0535	-.0438	.0084	-.0004	.0001	4.642	.0035	.8316
#2	.1179	.0526	-.0462	.0049	-.0003	-.0005	4.636	.0031	.8316

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.423	.0006	.1307	.0053	.3159	.0584
Stddev	.001	.0007	.0002	.0012	.0004	.0004
%RSD	.0922	114.8	.1547	23.21	.1232	.6782
#1	1.423	.0011	.1308	.0044	.3162	.0581
#2	1.422	.0001	.1305	.0062	.3156	.0587

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2290.5	71625.	7937.0
Stddev	1.6	249.	62.7
%RSD	.06830	.34800	.79055
#1	2291.6	71801.	7892.7
#2	2289.4	71449.	7981.4

Zoom In Zoom Out

Sample Name: MC23894-4 Acquired: 9/3/2013 20:04:28 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0005	50.98	.0282	-.0064	.0914	.3054	.0025	F1015.
Stddev	.0001	.42	.0003	.0001	.0009	.0025	.0000	21.
%RSD	19.79	.8147	1.111	.9079	1.007	.8270	1.832	2.076
#1	.0006	51.28	.0284	-.0065	.0908	.3071	.0025	1030.
#2	.0004	50.69	.0279	-.0064	.0921	.3036	.0024	999.8

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0009	.0423	.0854	.1030	92.44	13.26	340.2	2.663
Stddev	.0001	.0001	.0009	.0005	.81	.11	3.1	.021
%RSD	7.161	.1438	1.068	.4984	.8808	.8446	.9016	.7698
#1	.0008	.0422	.0848	.1034	93.01	13.34	342.3	2.648
#2	.0009	.0423	.0860	.1026	91.86	13.18	338.0	2.677

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0128	1.527	.1119	.0512	F-.0511	.0066	.0002	.0006
Stddev	.0003	.022	.0003	.0001	.0005	.0047	.0012	.0012
%RSD	2.385	1.457	.3050	.1035	.8876	70.45	662.3	221.8
#1	.0126	1.543	.1117	.0513	-.0508	.0099	.0010	.0014
#2	.0130	1.512	.1122	.0512	-.0514	.0033	-.0007	-.0003

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	4.004	.0015	.9411	1.626	-.0003	.1221	.0018	.2140
Stddev	.029	.0001	.0068	.004	.0002	.0004	.0083	.0010
%RSD	.7152	7.798	.7233	.2748	56.92	.3524	471.1	.4514
#1	4.024	.0014	.9459	1.623	-.0002	.1218	-.0041	.2133
#2	3.984	.0016	.9362	1.629	-.0004	.1224	.0076	.2147

Elem	Zr3391
Avg	.0630
Stddev	.0008
%RSD	1.217
#1	.0624
#2	.0635

Zoom In Zoom Out

Sample Name: MC23894-4 Acquired: 9/3/2013 20:04:28 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2283.9	72217.	7984.3
Stddev	2.0	412.	72.4
%RSD	.08726	.57030	.90629
#1	2285.3	72508.	7933.1
#2	2282.5	71926.	8035.5

Zoom In Zoom Out

Sample Name: MC23894-5 Acquired: 9/3/2013 20:08:54 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	137.1	.0754	-.0129	.0769	.7091	.0058	254.9	.0028	.0719
Stddev	.000	.4	.0025	.0011	.0002	.0039	.0000	.6	.0000	.0002
%RSD	576.4	.2808	3.371	8.440	.3069	.5515	.0855	.2252	.9742	.2902
#1	-.0001	137.3	.0772	-.0137	.0768	.7119	.0058	255.3	.0028	.0718
#2	.0001	136.8	.0736	-.0121	.0771	.7064	.0058	254.5	.0028	.0721

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1669	.3485	188.5	14.65	118.7	3.143	.0143	1.681	.2015	.1712
Stddev	.0008	.0005	.4	.05	.2	.014	.0000	.009	.0002	.0011
%RSD	.4766	.1352	.1857	.3473	.2032	.4457	.3118	.5343	.0794	.6239
#1	.1664	.3488	188.8	14.69	118.9	3.133	.0143	1.687	.2016	.1720
#2	.1675	.3482	188.3	14.62	118.5	3.152	.0142	1.674	.2014	.1705

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0095	.0049	.0016	.0015	4.845	.0128	.2834	2.087	.0007	.2831
Stddev	.0011	.0023	.0005	.0026	.000	.0003	.0011	.001	.0011	.0015
%RSD	11.61	46.06	32.68	177.4	.0042	2.667	.3880	.0606	150.5	.5407
#1	-.0087	.0065	.0013	.0033	4.845	.0125	.2842	2.086	.0000	.2820
#2	-.0103	.0033	.0020	-.0004	4.845	.0130	.2826	2.088	.0015	.2841

Elem	W_2397	Zn2062	Zr3391
Avg	-.0088	.6857	.0734
Stddev	.0048	.0015	.0002
%RSD	54.31	.2234	.2540
#1	-.0054	.6868	.0732
#2	-.0122	.6846	.0735

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2512.8	77642.	8512.2
Stddev	4.9	316.	6.5
%RSD	.19529	.40691	.07693
#1	2509.3	77865.	8516.9
#2	2516.3	77418.	8507.6

Zoom In Zoom Out

Sample Name: MC23894-6 Acquired: 9/3/2013 20:13:15 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0006	38.74	.0411	-.0055	.0596	.3733	.0020	F660.8	.0013
Stddev	.0006	.33	.0019	.0014	.0004	.0017	.0000	4.3	.0002
%RSD	108.6	.8472	4.615	25.59	.6620	.4598	1.107	.6541	14.09
#1	.0010	38.50	.0425	-.0045	.0599	.3720	.0020	657.7	.0014
#2	.0001	38.97	.0398	-.0065	.0594	.3745	.0020	663.8	.0012

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0385	.0690	.0932	93.12	8.737	235.1	2.223	.0166	1.094
Stddev	.0002	.0010	.0001	.68	.063	2.1	.005	.0001	.005
%RSD	.4403	1.401	.1231	.7258	.7248	.8789	.2397	.3427	.4910
#1	.0384	.0683	.0931	92.65	8.692	233.7	2.219	.0166	1.098
#2	.0386	.0697	.0933	93.60	8.782	236.6	2.226	.0165	1.090

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.1028	.0436	-.0359	.0062	-.0010	-.0007	3.904	.0018	.5644
Stddev	.0004	.0001	.0003	.0016	.0005	.0007	.009	.0002	.0042
%RSD	.4190	.3240	.7318	25.81	47.34	93.77	.2239	12.22	.7385
#1	.1025	.0435	-.0357	.0051	-.0013	-.0012	3.898	.0017	.5614
#2	.1031	.0437	-.0361	.0073	-.0007	-.0002	3.910	.0020	.5673

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.299	.0009	.1000	.0019	.2649	.0574
Stddev	.001	.0003	.0002	.0071	.0003	.0000
%RSD	.0391	35.40	.1631	371.9	.1075	.0517
#1	1.299	.0011	.0999	.0069	.2646	.0573
#2	1.299	.0007	.1001	-.0031	.2651	.0574

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2311.7	72372.	7953.7
Stddev	4.7	273.	128.3
%RSD	.20539	.37731	1.6133
#1	2315.0	72565.	8044.4
#2	2308.3	72179.	7862.9

Zoom In Zoom Out

Sample Name: MC23894-7 Acquired: 9/3/2013 20:17:37 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0001	74.86	.1226	-.0085	.0495	.5254	.0041	F743.7	.0042
Stddev	.0002	.10	.0000	.0006	.0000	.0004	.0000	7.6	.0000
%RSD	224.4	.1282	.0142	6.898	.0987	.0832	.9687	1.018	.1000
#1	.0001	74.93	.1226	-.0080	.0495	.5257	.0041	749.1	.0042
#2	-.0002	74.79	.1227	-.0089	.0496	.5251	.0040	738.4	.0042

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0552	.1056	.1800	138.3	8.641	146.0	5.776	.0159	.9480
Stddev	.0003	.0002	.0010	.5	.024	.8	.003	.0000	.0045
%RSD	.5166	.1435	.5315	.3410	.2747	.5512	.0465	.2185	.4765
#1	.0550	.1055	.1807	138.6	8.657	146.6	5.778	.0159	.9512
#2	.0554	.1057	.1793	137.9	8.624	145.5	5.774	.0160	.9448

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.1283	.1778	-.0406	.0194	.0007	-.0006	5.813	.0227	.3690
Stddev	.0007	.0007	.0010	.0013	.0001	.0009	.002	.0002	.0003
%RSD	.5310	.3693	2.431	6.621	10.85	164.8	.0280	.8824	.0804
#1	.1288	.1773	-.0399	.0185	.0006	.0001	5.812	.0225	.3692
#2	.1278	.1783	-.0413	.0203	.0007	-.0012	5.814	.0228	.3688

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.394	.0006	.1849	-.0024	.5058	.0674
Stddev	.003	.0002	.0011	.0007	.0008	.0004
%RSD	.2176	29.98	.6153	29.35	.1541	.6451
#1	1.396	.0007	.1841	-.0019	.5052	.0671
#2	1.392	.0005	.1857	-.0029	.5063	.0677

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2640.8	82473.	9166.5
Stddev	5.6	146.	93.0
%RSD	.21147	.17757	1.0143
#1	2644.8	82370.	9100.7
#2	2636.9	82577.	9232.2

Zoom In Zoom Out

Sample Name: MC23894-8 Acquired: 9/3/2013 20:22:04 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0004	23.42	.0287	-.0012	.0345	.1223	.0014	F551.0	.0009
Stddev	.0003	.00	.0012	.0010	.0009	.0000	.0001	2.0	.0002
%RSD	63.65	.0022	4.200	83.41	2.491	.0291	5.506	.3648	25.82
#1	.0006	23.42	.0295	-.0005	.0338	.1222	.0013	549.6	.0007
#2	.0002	23.42	.0278	-.0019	.0351	.1223	.0014	552.4	.0010

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0229	.0542	.0468	50.34	3.786	180.5	1.622	.0103	1.195
Stddev	.0000	.0004	.0002	.09	.028	.1	.003	.0001	.002
%RSD	.1572	.6489	.5187	.1705	.7448	.0812	.1593	.7340	.1531
#1	.0229	.0544	.0469	50.28	3.806	180.4	1.620	.0102	1.197
#2	.0229	.0539	.0466	50.40	3.766	180.6	1.623	.0103	1.194

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0669	.0299	-.0335	.0067	-.0005	.0009	1.812	.0026	.3849
Stddev	.0006	.0007	.0003	.0055	.0009	.0010	.002	.0005	.0012
%RSD	.8928	2.381	.8974	82.00	198.8	108.8	.1206	20.79	.3000
#1	.0665	.0294	-.0337	.0028	-.0011	.0002	1.810	.0022	.3841
#2	.0673	.0304	-.0333	.0106	.0002	.0017	1.813	.0030	.3857

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.8777	.0008	.0673	.0020	.1519	.0260
Stddev	.0020	.0003	.0009	.0007	.0009	.0000
%RSD	.2223	39.90	1.346	34.20	.5890	.0378
#1	.8791	.0010	.0667	.0025	.1512	.0260
#2	.8764	.0006	.0680	.0015	.1525	.0260

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2289.0	71424.	7824.1
Stddev	1.1	235.	41.8
%RSD	.04789	.32896	.53377
#1	2288.3	71590.	7853.6
#2	2289.8	71258.	7794.5

Zoom In Zoom Out

Sample Name: MC23894-9 Acquired: 9/3/2013 20:26:28 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	60.41	.0464	-.0071	.0450	.3533	.0031	370.5	.0023	.0484
Stddev	.0000	.00	.0021	.0006	.0004	.0006	.0001	7.1	.0003	.0005
%RSD	26.88	.0045	4.515	9.092	.8156	.1585	2.108	1.919	13.84	1.108
#1	.0001	60.41	.0478	-.0067	.0453	.3529	.0031	365.5	.0025	.0488
#2	.0002	60.41	.0449	-.0076	.0447	.3537	.0030	375.6	.0020	.0481

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0924	.0960	109.3	7.098	183.6	3.502	.0085	.9353	.1136	.0725
Stddev	.0001	.0001	.2	.068	1.0	.042	.0001	.0161	.0020	.0024
%RSD	.1048	.1296	.1784	.9599	.5667	1.184	1.453	1.727	1.780	3.322
#1	.0924	.0960	109.2	7.050	182.9	3.531	.0085	.9239	.1151	.0742
#2	.0923	.0961	109.5	7.146	184.3	3.472	.0084	.9467	.1122	.0708

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0205	.0128	.0002	-.0005	3.583	.0025	.2285	1.454	-.0001	.1539
Stddev	.0001	.0011	.0005	.0001	.050	.0006	.0013	.007	.0008	.0001
%RSD	.5397	8.734	272.6	17.94	1.387	23.58	.5566	.4941	1212.	.0408
#1	-.0204	.0135	.0005	-.0005	3.618	.0021	.2294	1.459	-.0007	.1539
#2	-.0206	.0120	-.0002	-.0004	3.548	.0029	.2276	1.449	.0005	.1539

Elem	W_2397	Zn2062	Zr3391
Avg	-.0016	.3409	.0223
Stddev	.0006	.0043	.0004
%RSD	38.41	1.275	1.689
#1	-.0020	.3440	.0226
#2	-.0011	.3379	.0221

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2391.9	74370.	8172.5
Stddev	26.7	795.	122.3
%RSD	1.1166	1.0685	1.4958
#1	2373.0	73808.	8258.9
#2	2410.8	74932.	8086.0

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/3/2013 20:30:55 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2435	10.08	2.012	-.0031	1.993	1.919	1.917	10.12	1.985	2.092
Stddev	.0001	.15	.002	.0009	.002	.015	.017	.12	.002	.000
%RSD	.0485	1.451	.1160	27.55	.0810	.7973	.8941	1.216	.1088	.0137
#1	.2435	9.979	2.014	-.0025	1.995	1.908	1.905	10.03	1.987	2.092
#2	.2434	10.19	2.010	-.0037	1.992	1.930	1.929	10.20	1.983	2.091

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.955	1.956	10.32	9.614	10.16	1.933	2.006	10.20	2.020	1.983
Stddev	.000	.002	.11	.125	.04	.000	.001	.09	.002	.001
%RSD	.0011	.0793	1.024	1.301	.3565	.0191	.0275	.9226	.0772	.0437
#1	1.955	1.955	10.25	9.526	10.13	1.933	2.006	10.13	2.021	1.983
#2	1.955	1.957	10.40	9.703	10.19	1.933	2.007	10.26	2.019	1.982

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0003	.0083	2.016	2.040	.1567	2.067	1.926	1.955	1.988	1.927
Stddev	.0008	.0029	.001	.000	.0013	.002	.013	.002	.004	.001
%RSD	233.7	34.96	.0535	.0001	.8610	.0803	.6465	.0820	.2073	.0364
#1	-.0002	.0062	2.015	2.040	.1577	2.069	1.917	1.953	1.991	1.926
#2	.0009	.0103	2.017	2.040	.1558	2.066	1.935	1.956	1.985	1.927

Elem	W_2397	Zn2062	Zr3391
Avg	-.0122	1.987	-.0006
Stddev	.0005	.001	.0006
%RSD	4.079	.0479	95.94
#1	-.0126	1.988	-.0002
#2	-.0119	1.986	-.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2361.4	71579.	7575.5
Stddev	1.7	143.	88.1
%RSD	.07027	.19935	1.1634
#1	2362.5	71680.	7637.8
#2	2360.2	71479.	7513.2

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/3/2013 20:35:09 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0006	-.0039	.0010	.0003	.0024	.0005	.0002	.0077	.0001
Stddev	.0004	.0002	.0007	.0005	.0000	.0002	.0001	.0003	.0001
%RSD	74.37	4.247	67.86	162.5	.7801	33.09	44.87	3.610	57.64
#1	.0009	-.0040	.0005	.0006	.0024	.0006	.0002	.0075	.0001
#2	.0003	-.0038	.0015	.0000	.0024	.0004	.0003	.0079	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0001	.0000	.0005	-.0031	.0287	-.0019	.0002	.0024	-.0663
Stddev	.0000	.001	.0004	.0033	.0151	.0132	.0000	.0006	.0028
%RSD	30.48	2067.	89.95	104.9	52.54	708.7	19.82	23.62	4.215
#1	.0001	.0004	.0002	-.0054	.0394	-.0112	.0002	.0029	-.0644
#2	.0001	-.0004	.0008	-.0008	.0181	.0074	.0002	.0020	-.0683

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0000	.0006	-.0001	-.0004	-.0001	.0006	.0036	.0007	.0002
Stddev	.0001	.0001	.0011	.0048	.0002	.0002	.0005	.0003	.0000
%RSD	257.1	12.17	1526.	1111.	192.3	26.03	13.63	43.28	15.22
#1	.0001	.0007	.0007	.0030	-.0002	.0007	.0033	.0009	.0002
#2	.0000	.0006	-.0008	-.0039	.0000	.0005	.0040	.0005	.0002

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0005	F.0023	-.0004	-.0005	-.0007	.0002
Stddev	.0004	.0007	.0003	.0002	.0001	.0003
%RSD	88.90	29.64	69.88	43.79	10.42	137.5
#1	.0007	.0018	-.0007	-.0004	-.0008	.0000
#2	.0002	.0028	-.0002	-.0007	-.0007	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2364.0	71498.	7621.8
Stddev	2.4	18.	10.7
%RSD	.10039	.02584	.14078
#1	2365.7	71485.	7629.4
#2	2362.3	71511.	7614.3

Zoom In Zoom Out

Sample Name: MC23894-11 Acquired: 9/3/2013 20:39:35 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	94.16	.0924	-.0103	.0444	.7747	.0047	296.1	.0036	.0711
Stddev	.0001	.32	.0007	.0009	.0001	.0029	.0000	1.5	.0002	.0004
%RSD	27.69	.3365	.7251	8.993	.2351	.3761	.4060	.5085	5.177	.5478
#1	.0005	94.39	.0920	-.0110	.0445	.7768	.0047	297.2	.0038	.0708
#2	.0003	93.94	.0929	-.0097	.0443	.7726	.0047	295.1	.0035	.0713

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1277	.1985	159.5	9.779	136.5	6.916	.0143	.5400	.1600	.1870
Stddev	.0001	.0011	.6	.005	.5	.027	.0001	.0063	.0004	.0006
%RSD	.0438	.5607	.3879	.0564	.3835	.3928	.9993	1.160	.2443	.3442
#1	.1278	.1977	159.9	9.783	136.9	6.935	.0142	.5444	.1597	.1875
#2	.1277	.1993	159.1	9.775	136.1	6.897	.0144	.5356	.1602	.1866

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0137	.0216	.0014	-.0009	6.151	.0152	.2244	1.800	-.0001	.2104
Stddev	.0024	.0016	.0009	.0005	.013	.0001	.0009	.004	.0013	.0014
%RSD	17.65	7.196	62.02	51.75	.2045	.8468	.4209	.2240	2598.	.6868
#1	-.0120	.0205	.0020	-.0012	6.142	.0153	.2251	1.797	.0009	.2094
#2	-.0154	.0227	.0008	-.0006	6.160	.0151	.2238	1.803	-.0010	.2114

Elem	W_2397	Zn2062	Zr3391
Avg	-.0024	.5236	.0445
Stddev	.0036	.0000	.0001
%RSD	151.8	.0079	.3066
#1	-.0049	.5236	.0444
#2	.0002	.5236	.0446

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2536.7	78660.	8514.4
Stddev	1.6	158.	38.5
%RSD	.06409	.20149	.45275
#1	2537.8	78548.	8487.1
#2	2535.5	78772.	8541.6

Zoom In Zoom Out

Sample Name: MC23894-12 Acquired: 9/3/2013 20:43:56 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0007	103.2	.1009	-.0098	.0707	.6544	.0059	249.1	.0043	.0668
Stddev	.0000	.6	.0013	.0021	.0013	.0065	.0000	1.0	.0000	.0001
%RSD	2.635	.6001	1.244	21.52	1.847	.9960	.4931	.3977	.3819	.1191
#1	.0007	102.7	.1000	-.0083	.0697	.6498	.0059	248.4	.0043	.0668
#2	.0007	103.6	.1018	-.0113	.0716	.6590	.0059	249.8	.0043	.0669

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1464	.3176	167.3	9.310	122.3	3.722	.0161	.6611	.1546	.4537
Stddev	.0018	.0003	.8	.060	.4	.016	.0002	.0020	.0004	.0026
%RSD	1.253	.0977	.4957	.6459	.3384	.4395	1.379	.3037	.2632	.5668
#1	.1477	.3173	166.7	9.267	122.6	3.734	.0159	.6625	.1543	.4519
#2	.1451	.3178	167.9	9.352	122.0	3.711	.0162	.6597	.1549	.4555

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0098	.0055	.0010	.0019	6.133	.0472	.2231	1.913	.0015	.2211
Stddev	.0011	.0017	.0004	.0009	.008	.0000	.0012	.002	.0003	.0019
%RSD	11.44	30.62	42.64	45.09	.1281	.0850	.5498	.0784	19.86	.8714
#1	-.0106	.0043	.0013	.0026	6.127	.0472	.2223	1.912	.0017	.2225
#2	-.0090	.0067	.0007	.0013	6.139	.0472	.2240	1.914	.0013	.2198

Elem	W_2397	Zn2062	Zr3391
Avg	-.0021	.9254	.0501
Stddev	.0036	.0002	.0004
%RSD	167.5	.0268	.8832
#1	.0004	.9252	.0504
#2	-.0047	.9256	.0497

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2456.6	76308.	8251.5
Stddev	2.0	65.	22.4
%RSD	.07993	.08542	.27150
#1	2458.0	76262.	8267.4
#2	2455.2	76355.	8235.7

Zoom In Zoom Out

Sample Name: MC23964-1 Acquired: 9/3/2013 20:48:18 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0008	101.3	.0733	-.0083	.0028	.4198	.0032	18.71	.0011	.0719
Stddev	.0005	.1	.0008	.0009	.0000	.0002	.0000	.02	.0000	.0002
%RSD	59.37	.1368	1.156	10.38	1.711	.0452	1.249	.1226	.6574	.3200
#1	-.0012	101.2	.0727	-.0077	.0028	.4200	.0033	18.69	.0011	.0718
#2	-.0005	101.4	.0739	-.0089	.0029	.4197	.0032	18.73	.0011	.0721

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.3711	.1360	134.1	29.24	58.82	1.643	.0024	1.764	.2762	.5786
Stddev	.0033	.0007	.1	.07	.10	.008	.0001	.011	.0001	.0009
%RSD	.8917	.5164	.0546	.2466	.1674	.4872	3.402	.6390	.0261	.1595
#1	.3734	.1355	134.0	29.19	58.89	1.649	.0023	1.756	.2762	.5780
#2	.3687	.1365	134.1	29.29	58.75	1.638	.0024	1.772	.2763	.5793

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0087	.0020	-.0012	.0037	2.242	-.0047	.0575	8.005	-.0013	.2554
Stddev	.0005	.0040	.0004	.0006	.004	.0001	.0000	.043	.0003	.0003
%RSD	5.757	196.7	37.84	15.78	.1702	2.582	.0258	.5378	20.84	.1007
#1	.0090	.0048	-.0008	.0041	2.240	-.0046	.0575	8.035	-.0015	.2556
#2	.0083	-.0008	-.0015	.0033	2.245	-.0047	.0575	7.974	-.0011	.2552

Elem	W_2397	Zn2062	Zr3391
Avg	-.0027	.4235	.0150
Stddev	.0031	.0005	.0002
%RSD	114.4	.1251	1.311
#1	-.0005	.4231	.0148
#2	-.0049	.4238	.0151

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2537.8	76907.	8323.0
Stddev	4.4	640.	11.8
%RSD	.17453	.83273	.14234
#1	2541.0	76454.	8331.4
#2	2534.7	77360.	8314.6

Zoom In Zoom Out

Sample Name: MC23964-2 Acquired: 9/3/2013 20:52:34 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	152.2	.0859	-.0119	.0006	.7624	.0040	24.16	.0009	.1168
Stddev	.0004	.7	.0005	.0006	.0001	.0028	.0001	.08	.0001	.0006
%RSD	51.81	.4654	.5505	5.476	13.36	.3719	1.690	.3475	5.748	.5560
#1	-.0005	151.7	.0856	-.0114	.0006	.7604	.0039	24.11	.0008	.1173
#2	-.0010	152.7	.0862	-.0123	.0005	.7644	.0040	24.22	.0009	.1164

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5241	.1751	191.2	61.44	94.45	2.340	.0017	3.352	.4060	.1141
Stddev	.0019	.0007	.8	.30	.02	.009	.0001	.006	.0005	.0015
%RSD	.3580	.3938	.4283	.4865	.0197	.3827	8.252	.1792	.1217	1.331
#1	.5254	.1756	190.6	61.23	94.44	2.334	.0016	3.356	.4056	.1130
#2	.5227	.1746	191.8	61.65	94.46	2.346	.0018	3.347	.4063	.1151

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0109	.0041	-.0001	.0017	3.024	-.0115	.0828	11.44	-.0012	.4104
Stddev	.0009	.0038	.0002	.0024	.020	.0002	.0001	.10	.0016	.0001
%RSD	8.376	93.22	178.6	147.9	.6587	1.667	.1110	.8467	127.6	.0155
#1	.0102	.0068	.0000	.0034	3.038	-.0114	.0827	11.37	-.0023	.4104
#2	.0115	.0014	-.0003	-.0001	3.010	-.0116	.0828	11.50	-.0001	.4103

Elem	W_2397	Zn2062	Zr3391
Avg	-.0058	.4056	.0167
Stddev	.0016	.0004	.0001
%RSD	27.65	.1075	.6943
#1	-.0070	.4053	.0166
#2	-.0047	.4059	.0168

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2594.1	79166.	8552.3
Stddev	5.2	453.	39.5
%RSD	.20127	.57264	.46187
#1	2597.8	79486.	8580.3
#2	2590.5	78845.	8524.4

Zoom In Zoom Out

Sample Name: MC23948-3 Acquired: 9/3/2013 20:56:55 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	140.0	.1057	-.0220	.0141	2.947	.0053	22.51	.0012	.1668
Stddev	.0001	9.8	.0003	.0007	.0001	.205	.0004	1.62	.0002	.0006
%RSD	71.32	6.973	.3205	3.391	.7945	6.966	6.588	7.206	15.68	.3830
#1	.0002	133.1	.1060	-.0215	.0141	2.802	.0051	21.36	.0014	.1672
#2	.0001	146.9	.1055	-.0226	.0140	3.092	.0056	23.66	.0011	.1663

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1899	.0976	291.1	16.96	51.95	4.465	.0121	1.917	.3121	.1446
Stddev	.0010	.0002	20.4	1.12	3.64	.000	.0001	.166	.0006	.0020
%RSD	.5119	.1694	7.003	6.604	7.009	.0042	.5405	8.672	.2071	1.359
#1	.1906	.0975	276.7	16.17	49.37	4.465	.0121	1.800	.3125	.1432
#2	.1892	.0978	305.5	17.75	54.52	4.465	.0121	2.035	.3116	.1460

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0160	.0089	.0007	.0053	2.553	.0055	.1592	.3837	-.0002	.1774
Stddev	.0072	.0033	.0012	.0024	.006	.0001	.0111	.0091	.0005	.0018
%RSD	44.68	37.28	163.8	44.59	.2441	1.759	6.985	2.373	221.1	1.003
#1	.0110	.0113	.0016	.0037	2.557	.0056	.1514	.3902	-.0006	.1787
#2	.0211	.0066	-.0001	.0070	2.549	.0055	.1671	.3773	.0001	.1761

Elem	W_2397	Zn2062	Zr3391
Avg	-.0051	.5126	.0827
Stddev	.0050	.0005	.0005
%RSD	96.80	.0938	.5552
#1	-.0086	.5130	.0831
#2	-.0016	.5123	.0824

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2546.9	77831.	8039.6
Stddev	.3	92.	486.5
%RSD	.01099	.11820	6.0516
#1	2546.7	77896.	8383.6
#2	2547.1	77766.	7695.6

Zoom In Zoom Out

Sample Name: MC23948-4 Acquired: 9/3/2013 21:01:17 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0021	69.34	.2528	F-.0768	.1067	8.947	.0032	232.9
Stddev	.0002	.58	.0010	.0029	.0006	.076	.0002	1.7
%RSD	8.851	.8416	.4015	3.716	.5936	.8457	6.582	.7249
#1	.0020	68.93	.2520	-.0788	.1062	8.894	.0031	231.7
#2	.0022	69.75	.2535	-.0748	.1071	9.001	.0034	234.1

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0044	.0824	.1579	.5378	F774.8	8.882	37.28	5.155
Stddev	.0003	.0007	.0007	.0000	.3	.015	.08	.007
%RSD	5.996	.8308	.4627	.0004	.0448	.1635	.2273	.1419
#1	.0042	.0820	.1584	.5378	774.6	8.872	37.22	5.150
#2	.0046	.0829	.1574	.5378	775.1	8.892	37.34	5.160

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0358	3.114	.3463	.8539	.0013	.0030	.0062	F-.0101
Stddev	.0003	.001	.0010	.0009	.0029	.0024	.0004	.0036
%RSD	.9476	.0335	.2889	.1008	221.0	79.78	6.332	36.13
#1	.0356	3.115	.3456	.8533	-.0007	.0047	.0060	-.0075
#2	.0361	3.114	.3470	.8545	.0033	.0013	.0065	-.0127

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	2.595	.0464	.6037	.6084	.0016	.1477	.0224	.9104
Stddev	.007	.0003	.0049	.0017	.0008	.0015	.0033	.0030
%RSD	.2718	.7013	.8059	.2770	47.48	.9937	14.53	.3321
#1	2.590	.0462	.6003	.6073	.0011	.1466	.0247	.9082
#2	2.600	.0467	.6071	.6096	.0022	.1487	.0201	.9125

Elem	Zr3391
Avg	.0638
Stddev	.0012
%RSD	1.895
#1	.0647
#2	.0630

Zoom In Zoom Out

Sample Name: MC23948-4 Acquired: 9/3/2013 21:01:17 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2294.5	72632.	7848.0
Stddev	7.5	129.	44.2
%RSD	.32482	.17770	.56310
#1	2299.7	72723.	7879.3
#2	2289.2	72541.	7816.8

Zoom In Zoom Out

Sample Name: MC23963-7 Acquired: 9/3/2013 21:05:44 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0010	66.55	.0340	-.0013	.0406	.0769	.0025	5.528	.0010	.0297
Stddev	.0004	.56	.0014	.0005	.0001	.0007	.0001	.007	.0000	.0000
%RSD	43.29	.8346	4.086	41.41	.2207	.9715	3.135	.1254	2.788	.0730
#1	-.0013	66.16	.0331	-.0009	.0405	.0764	.0025	5.524	.0010	.0297
#2	-.0007	66.94	.0350	-.0017	.0406	.0774	.0026	5.533	.0011	.0297

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0770	.0521	50.64	3.862	12.41	.5165	.0018	1.151	.0921	.0940
Stddev	.0005	.0012	.39	.029	.04	.0002	.0002	.002	.0005	.0002
%RSD	.7072	2.295	.7725	.7529	.3057	.0341	11.27	.1939	.5842	.2439
#1	.0774	.0529	50.36	3.842	12.43	.5166	.0019	1.153	.0917	.0939
#2	.0766	.0513	50.91	3.883	12.38	.5163	.0016	1.150	.0925	.0942

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0022	.0000	-.0006	.0015	3.243	.0013	.0318	2.666	-.0004	.0791
Stddev	.0002	.004	.0006	.0002	.004	.0002	.0000	.002	.0004	.0020
%RSD	10.73	26150.	108.9	16.64	.1095	12.97	.0197	.0591	97.69	2.528
#1	.0021	-.0028	-.0010	.0013	3.246	.0012	.0318	2.665	-.0007	.0805
#2	.0024	.0027	-.0001	.0016	3.241	.0015	.0318	2.667	-.0001	.0777

Elem	W_2397	Zn2062	Zr3391
Avg	.0005	.1050	.0085
Stddev	.0011	.0002	.0001
%RSD	221.2	.2220	.9165
#1	.0013	.1048	.0086
#2	-.0003	.1051	.0085

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2546.7	77421.	8194.5
Stddev	3.4	232.	57.3
%RSD	.13541	.29901	.69953
#1	2549.2	77257.	8235.0
#2	2544.3	77584.	8153.9

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/3/2013 21:10:02 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2429	10.12	2.023	-.0028	2.004	1.923	1.920	10.11	1.995	2.099
Stddev	.0003	.02	.006	.0008	.009	.001	.001	.05	.007	.009
%RSD	.1099	.2063	.3131	30.70	.4542	.0288	.0284	.4784	.3625	.4237
#1	.2427	10.14	2.018	-.0022	1.997	1.923	1.920	10.07	1.990	2.093
#2	.2431	10.11	2.027	-.0034	2.010	1.924	1.921	10.14	2.000	2.106

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.956	1.952	10.34	9.646	10.16	1.932	2.015	10.15	2.028	1.992
Stddev	.003	.002	.05	.015	.06	.002	.010	.01	.006	.006
%RSD	.1582	.0882	.4930	.1563	.5514	.0757	.4978	.0725	.2835	.3207
#1	1.958	1.953	10.30	9.635	10.12	1.933	2.008	10.16	2.023	1.988
#2	1.954	1.951	10.37	9.656	10.20	1.931	2.022	10.15	2.032	1.997

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0015	.0069	2.028	2.049	.1606	2.076	1.929	1.951	1.994	1.928
Stddev	.0006	.0003	.011	.011	.0013	.004	.003	.004	.006	.002
%RSD	36.92	4.357	.5280	.5118	.7963	.1938	.1763	.1771	.2846	.0931
#1	.0019	.0072	2.020	2.041	.1597	2.073	1.932	1.954	1.990	1.927
#2	.0011	.0067	2.035	2.056	.1615	2.079	1.927	1.949	1.998	1.929

Elem	W_2397	Zn2062	Zr3391
Avg	-.0071	1.993	.0012
Stddev	.0037	.003	.0013
%RSD	52.21	.1629	110.5
#1	-.0045	1.991	.0022
#2	-.0098	1.996	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2364.0	71697.	7656.1
Stddev	2.3	175.	94.6
%RSD	.09766	.24347	1.2358
#1	2365.6	71573.	7723.0
#2	2362.3	71820.	7589.2

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/3/2013 21:14:15 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0009	-.0078	.0009	-.0003	.0026	.0003	.0002	.0039	.0000	.0002
Stddev	.0002	.0062	.0005	.0005	.0006	.0000	.0001	.0007	.000	.0002
%RSD	26.26	79.47	60.24	155.0	22.86	3.614	45.38	17.21	243.8	101.0
#1	.0007	-.0034	.0005	-.0007	.0030	.0003	.0001	.0035	.0000	.0004
#2	.0010	-.0121	.0013	.0000	.0022	.0002	.0002	.0044	.0000	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	.0006	-.0011	.0738	-.0051	.0002	.0024	-.1125	.0000	-.0001
Stddev	.0001	.0003	.0010	.0225	.0179	.0000	.0005	.0038	.0001	.0001
%RSD	35.49	45.72	87.17	30.46	348.1	4.865	20.92	3.342	661.4	52.32
#1	-.0003	.0008	-.0004	.0579	.0075	.0002	.0027	-.1151	.0001	-.0001
#2	-.0002	.0004	-.0018	.0897	-.0178	.0002	.0020	-.1098	-.0001	-.0002

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0028	-.0016	.0000	.0007	.0048	.0003	.0002	.0007	.0015	-.0005
Stddev	.0003	.0005	.000	.0003	.0015	.0002	.0001	.0000	.0004	.0004
%RSD	11.81	28.86	54.16	38.95	31.99	73.11	55.62	3.286	29.60	78.05
#1	-.0026	-.0020	.0000	.0009	.0037	.0002	.0003	.0007	.0018	-.0002
#2	-.0031	-.0013	.0000	.0005	.0058	.0005	.0001	.0007	.0012	-.0008

Elem	W_2397	Zn2062	Zr3391
Avg	.0016	-.0007	-.0002
Stddev	.0074	.0001	.0001
%RSD	455.9	10.50	43.16
#1	.0068	-.0007	-.0001
#2	-.0036	-.0006	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2365.8	71867.	7561.5
Stddev	1.5	320.	19.1
%RSD	.06504	.44589	.25202
#1	2364.7	71640.	7548.0
#2	2366.9	72093.	7575.0

Zoom In Zoom Out

Sample Name: CRIA Acquired: 9/3/2013 21:18:38 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0055	.2064	.0113	-.0002	.1032	.0501	.0042	5.182	.0043	.0539
Stddev	.0002	.0041	.0002	.0006	.0001	.0002	.0001	.007	.0000	.0003
%RSD	2.843	1.967	2.111	360.7	.0933	.3513	2.363	.1306	.1444	.6019
#1	.0057	.2035	.0111	.0002	.1033	.0503	.0043	5.187	.0043	.0536
#2	.0054	.2093	.0114	-.0005	.1031	.0500	.0041	5.177	.0043	.0541

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0104	.0255	.1028	4.986	5.102	.0157	.1037	5.204	.0419	.0110
Stddev	.0004	.0005	.0003	.005	.027	.0002	.0004	.023	.0001	.0005
%RSD	3.629	2.109	.2533	.0972	.5316	1.060	.3492	.4484	.2070	4.318
#1	.0101	.0251	.1026	4.982	5.083	.0156	.1034	5.187	.0418	.0113
#2	.0107	.0259	.1030	4.989	5.121	.0158	.1039	5.220	.0419	.0106

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0007	.0023	.0104	.0107	.0067	.1031	.0100	.0525	.0108	.0102
Stddev	.0004	.0011	.0001	.0016	.0002	.0010	.0000	.0009	.0005	.0005
%RSD	48.22	50.21	.6891	15.05	3.227	.9976	.0485	1.746	4.226	4.684
#1	-.0010	.0015	.0104	.0095	.0066	.1024	.0100	.0518	.0112	.0098
#2	-.0005	.0031	.0103	.0118	.0069	.1038	.0100	.0531	.0105	.0105

Elem	W_2397	Zn2062	Zr3391
Avg	.0005	.0206	-.0001
Stddev	.0034	.0002	.0003
%RSD	714.7	.7366	215.1
#1	.0028	.0204	-.0003
#2	-.0019	.0207	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2371.6	70837.	7577.9
Stddev	1.6	261.	67.6
%RSD	.06901	.36805	.89183
#1	2372.8	71021.	7530.1
#2	2370.5	70652.	7625.7

Zoom In Zoom Out

Sample Name: ICSA Acquired: 9/3/2013 21:22:57 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0012	532.2	-.0008	-.0101	.0017	-.0009	.0002	465.4	.0001	.0016
Stddev	.0001	7.2	.0009	.0013	.0004	.0001	.0001	4.3	.0002	.0003
%RSD	5.684	1.360	108.2	12.58	25.00	13.07	58.10	.9132	140.9	15.90
#1	.0012	537.3	-.0015	-.0092	.0020	-.0010	.0002	468.4	.0000	.0014
#2	.0013	527.0	-.0002	-.0110	.0014	-.0009	.0001	462.4	.0002	.0018

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0006	.0001	189.1	.1176	504.0	-.0004	-.0006	.0055	-.0011	-.0003
Stddev	.0000	.0003	2.5	.0408	6.9	.0001	.0004	.0130	.0003	.0013
%RSD	.4335	239.9	1.314	34.67	1.366	20.91	58.91	234.6	26.83	391.4
#1	-.0006	.0003	190.9	.1464	508.9	-.0004	-.0008	-.0037	-.0009	.0006
#2	-.0006	-.0001	187.3	.0888	499.2	-.0003	-.0003	.0147	-.0013	-.0013

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0270	-.0248	.0004	-.0027	.0487	-.0009	.0008	.0085	-.0003	-.0003
Stddev	.0004	.0053	.0009	.0009	.0001	.0007	.0001	.0003	.0000	.0005
%RSD	1.431	21.25	224.2	31.91	.2013	74.38	11.16	3.064	4.534	157.1
#1	-.0273	-.0286	.0010	-.0021	.0488	-.0004	.0007	.0087	-.0003	-.0007
#2	-.0267	-.0211	-.0002	-.0033	.0486	-.0014	.0008	.0083	-.0003	.0000

Elem	W_2397	Zn2062	Zr3391
Avg	-.0381	-.0017	-.0005
Stddev	.0011	.0000	.0002
%RSD	2.955	2.589	51.35
#1	-.0373	-.0016	-.0006
#2	-.0389	-.0017	-.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2181.4	66420.	7414.5
Stddev	1.2	89.	132.8
%RSD	.05503	.13457	1.7914
#1	2182.3	66357.	7320.6
#2	2180.6	66483.	7508.4

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 9/3/2013 21:27:19 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.031	541.9	2.082	.4782	1.009	.5030	.4639	463.8	1.036	.4909
Stddev	.030	4.6	.007	.0165	.000	.0035	.0033	6.6	.004	.0022
%RSD	2.954	.8489	.3205	3.443	.0321	.6881	.7071	1.433	.3894	.4570
#1	1.009	538.6	2.087	.4666	1.009	.5006	.4615	459.1	1.039	.4925
#2	1.052	545.1	2.077	.4899	1.010	.5055	.4662	468.5	1.033	.4893

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4823	.5033	192.9	.1011	511.8	.4802	.9794	.0182	.9034	.9173
Stddev	.0162	.0142	1.6	.0051	3.0	.0147	.0015	.0003	.0033	.0055
%RSD	3.352	2.825	.8498	5.049	.5952	3.062	.1517	1.881	.3651	.5973
#1	.4709	.4933	191.7	.0975	509.6	.4698	.9805	.0184	.9057	.9212
#2	.4938	.5134	194.0	.1047	514.0	.4906	.9784	.0179	.9010	.9135

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.5024	.4717	2.110	2.085	2.188	1.015	.9679	.4994	1.911	.4905
Stddev	.0112	.0094	.009	.001	.006	.003	.0069	.0149	.002	.0142
%RSD	2.224	1.993	.4242	.0394	.2780	.3065	.7110	2.975	.0881	2.887
#1	.4945	.4650	2.117	2.085	2.193	1.017	.9631	.4889	1.913	.4805
#2	.5103	.4783	2.104	2.086	2.184	1.012	.9728	.5099	1.910	.5005

Elem	W_2397	Zn2062	Zr3391
Avg	1.797	.9262	.4159
Stddev	.056	.0031	.0165
%RSD	3.090	.3345	3.963
#1	1.758	.9284	.4042
#2	1.836	.9240	.4275

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2177.9	66410.	7391.8
Stddev	7.4	1764.	55.4
%RSD	.34020	2.6562	.74961
#1	2172.7	67657.	7431.0
#2	2183.2	65163.	7352.6

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/3/2013 21:31:36 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2442	10.17	2.009	-.0028	1.990	1.929	1.938	10.18	1.984	2.086
Stddev	.0019	.06	.001	.0010	.002	.009	.013	.06	.000	.003
%RSD	.7657	.6010	.0519	36.69	.0855	.4692	.6769	.6213	.0120	.1253
#1	.2455	10.13	2.008	-.0021	1.991	1.923	1.929	10.14	1.984	2.088
#2	.2428	10.21	2.009	-.0035	1.988	1.936	1.947	10.23	1.984	2.084

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.960	1.963	10.33	9.661	10.16	1.949	2.001	10.13	2.004	1.975
Stddev	.003	.002	.08	.034	.09	.002	.000	.10	.001	.001
%RSD	.1322	.0901	.7977	.3499	.9123	.1201	.0208	.9653	.0426	.0732
#1	1.958	1.964	10.28	9.637	10.10	1.948	2.001	10.06	2.004	1.976
#2	1.962	1.961	10.39	9.685	10.23	1.951	2.001	10.20	2.003	1.974

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0007	.0064	2.005	2.029	.1512	2.053	1.943	1.953	1.985	1.936
Stddev	.0023	.0097	.001	.002	.0024	.001	.011	.002	.003	.002
%RSD	343.5	150.7	.0674	.1082	1.575	.0535	.5424	.0858	.1508	.1265
#1	.0023	-.0004	2.004	2.031	.1528	2.052	1.935	1.954	1.983	1.934
#2	-.0009	.0133	2.006	2.027	.1495	2.054	1.950	1.952	1.988	1.938

Elem	W_2397	Zn2062	Zr3391
Avg	.0037	1.985	.0123
Stddev	.0046	.000	.0029
%RSD	121.8	.0117	23.29
#1	.0070	1.985	.0143
#2	.0005	1.985	.0103

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2381.3	71732.	7580.0
Stddev	1.9	243.	124.0
%RSD	.08084	.33902	1.6357
#1	2382.6	71904.	7667.6
#2	2379.9	71560.	7492.3

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/3/2013 21:35:49 Type: Unk
Method: Accutest -SS2(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0005	-.0040	.0007	.0003	.0028	.0002	.0001	.0083	.0002
Stddev	.0000	.0032	.0002	.0009	.0001	.0001	.0001	.0016	.0001
%RSD	1.870	79.75	34.33	325.4	2.863	68.42	72.76	19.10	51.93
#1	.0005	-.0062	.0008	-.0004	.0029	.0003	.0002	.0094	.0002
#2	.0005	-.0017	.0005	.0009	.0027	.0001	.0001	.0072	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0001	.0001	.0009	-.0020	.0362	-.0370	.0001	.0026	-.1019
Stddev	.0001	.0001	.0004	.0082	.0260	.0024	.0000	.0006	.0085
%RSD	189.7	87.49	46.61	414.0	71.81	6.485	2.426	23.10	8.329
#1	.0002	.0000	.0006	.0038	.0178	-.0353	.0001	.0030	-.1079
#2	.0000	.0002	.0012	-.0077	.0545	-.0387	.0001	.0022	-.0959

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	-.0001	.0009	-.0007	.0061	.0001	.0003	.0039	.0000	.0001
Stddev	.0001	.0009	.0005	.0013	.0003	.0002	.0016	.0003	.0001
%RSD	64.96	97.22	74.94	21.20	177.2	53.19	40.28	858.8	103.8
#1	.0000	.0015	-.0003	.0070	.0000	.0002	.0028	-.0002	.0000
#2	-.0001	.0003	-.0011	.0052	.0003	.0005	.0050	.0002	.0002

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0002	F.0024	-.0002	.0079	-.0007	-.0001
Stddev	.0002	.0007	.0001	.0047	.0001	.0002
%RSD	111.1	27.53	47.75	59.34	12.48	216.2
#1	.0000	.0028	-.0003	.0112	-.0007	-.0003
#2	.0004	.0019	-.0001	.0046	-.0006	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2388.8	71353.	7313.2
Stddev	10.9	201.	450.5
%RSD	.45784	.28184	6.1603
#1	2381.0	71496.	6994.7
#2	2396.5	71211.	7631.8

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Ag 328.068 {103}	☒	8	V	-0.000111	0.000000	No
				Co	0.000025	0.000000	No
				Mn	0.000046	0.000000	No
				Mo	0.000061	0.000000	No
				Cu	0.000019	0.000000	No
				Ti	0.000004	0.000000	No
				Al	-0.000000	0.000000	No
				Zr	0.003788	0.000000	No
	Al 396.152 { 85}	☒	3	Mn	0.001390	0.000000	No
				Mo	0.046088	0.000000	No
				Ca	0.000119	0.000000	No
	As 189.042 {479}	☒	9	V	0.000122	0.000000	No
				Al	0.000008	0.000000	No
				Mo	0.000905	0.000000	No
				Fe	-0.000003	0.000000	No
				Mn	-0.000059	0.000000	No
				Ca	0.000004	0.000000	No
				Mg	0.000001	0.000000	No
				Cr	0.000404	0.000000	No
				Na	-0.000000	0.000000	No
	Au 242.795 {139}	☒	3	Fe	0.000122	0.000000	No
				Mn	0.010681	0.000000	No
				Co	-0.000671	0.000000	No
	B 208.959 {462}	☒	1	Mo	0.021507	0.000000	No
	Ba 455.403 { 74}	☒	1	Al	0.000005	0.000000	No
	Be 313.042 {108}	☒	3	V	0.000027	0.000000	No
				Mo	-0.000032	0.000000	No
				Ti	-0.000279	0.000000	No
	Ca 317.933 {106}	☒	None				
	Cd 228.802 {448}	☒	5	Ni	-0.000027	0.000000	No
				V	0.000020	0.000000	No
				Fe	0.000011	0.000000	No
				Ca	0.000001	0.000000	No
				Pt	-0.011956	0.000000	No
	Co 228.616 {448}	☒	4	Fe	0.000043	0.000000	No
				Mo	-0.000136	0.000000	No
				Ti	0.001983	0.000000	No
				Ca	-0.000001	0.000000	No
	Cr 267.716 {126}	☒	2	Al	0.000004	0.000000	No
				Mn	0.000091	0.000000	No
	Cu 324.754 {104}	☒	4	Fe	-0.000072	0.000000	No
				V	-0.000207	0.000000	No
				Mo	0.000488	0.000000	No
				Co	-0.000350	0.000000	No
	Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
				Mo	-0.000483	0.000000	No
				Co	0.000765	0.000000	No
				Cr	0.002515	0.000000	No
	K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
				Mo	-0.002000	0.000000	No
	Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
				Mo	-0.017077	0.000000	No
	Mn 257.610 {131}	☒	3	Fe	0.000008	0.000000	No
				Ti	0.000002	0.000000	No
				Al	0.000004	0.000000	No
	Mo 202.030 {467}	☒	1	V	0.000129	0.000000	No
	Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Al	0.000546	0.000000	No
Ni 231.604 {446}	☒	3	Mo	0.000090	0.000000	No
			Fe	0.000017	0.000000	No
			Ca	-0.000001	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000068	0.000000	No
			Mn	0.000110	0.000000	No
			Mo	-0.001493	0.000000	No
			Co	-0.000268	0.000000	No
			Cu	0.000379	0.000000	No
			Ca	-0.000003	0.000000	No
			Fe	0.000017	0.000000	No
			Mg	0.000002	0.000000	No
			Ni	0.000039	0.000000	No
			Si	0.000156	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000351	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.007692	0.000000	No
			Ni	0.000902	0.000000	No
			Mn	-0.007038	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
Sb 206.833 {463}	☒	12	Al	-0.000002	0.000000	No
			Fe	0.000033	0.000000	No
			Cr	0.009058	0.000000	No
			Mo	-0.003017	0.000000	No
			Mg	0.000000	0.000000	No
			Ni	-0.000343	0.000000	No
			V	-0.001519	0.000000	No
			Ca	0.000002	0.000000	No
			Ti	0.000081	0.000000	No
			Cu	0.000045	0.000000	No
			Sn	-0.007401	0.000000	No
			Pt	-0.002057	0.000000	No
Se 196.090 {472}	☒	8	Al	-0.000003	0.000000	No
			Fe	-0.000241	0.000000	No
			Mn	0.000431	0.000000	No
			Mo	0.000208	0.000000	No
			Ca	-0.000002	0.000000	No
			Na	0.000000	0.000000	No
			Co	-0.000440	0.000000	No
			Pd	-0.003371	0.000000	No
Si 212.412 {459}	☒	3	V	0.027489	0.000000	No
			Ti	0.015670	0.000000	No
			Mo	0.031283	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.001051	0.000000	No
			Cr	0.000192	0.000000	No
			V	-0.026562	0.000000	No
			Co	0.001818	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Al	-0.000003	0.000000	No
				Fe	0.000007	0.000000	No
				Ti	-0.001361	0.000000	No
				Mo	0.000119	0.000000	No
				Ca	-0.000000	0.000000	No
				Na	0.000006	0.000000	No
	V 292.402 {115}	☒	3	Ti	0.000455	0.000000	No
				Mo	-0.000978	0.000000	No
				Fe	0.000018	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000106	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000013	0.000000	No
				Mn	-0.000026	0.000000	No
				Ni	0.000026	0.000000	No
				Cr	-0.000478	0.000000	No
				Mo	0.000147	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000003	0.000000	No
				Na	0.000000	0.000000	No
	Zr 339.198 { 99}	☒	6	Si	0.000182	0.000000	No
				Ti	0.000195	0.000000	No
				Fe	0.000024	0.000000	No
				Sn	0.002296	0.000000	No
				Au	0.002269	0.000000	No
				Ba	0.000845	0.000000	No

Folder: #HG18 **PUBLIC FOLDER ** Page 1
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 1904	08:39:59 05 Sep 13	HG			
Hg	.000	ppb	552						=
*** Standard: 2 Rep: 1				Seq: 1905	08:42:24 05 Sep 13	HG			
Hg	.200	ppb	2737						=
*** Standard: 3 Rep: 1				Seq: 1906	08:44:48 05 Sep 13	HG			
Hg	.500	ppb	5856						=
*** Standard: 4 Rep: 1				Seq: 1907	08:47:10 05 Sep 13	HG			
Hg	1.00	ppb	10753						=
*** Standard: 5 Rep: 1				Seq: 1908	08:49:43 05 Sep 13	HG			
Hg	2.00	ppb	21396						=
*** Standard: 6 Rep: 1				Seq: 1909	08:52:14 05 Sep 13	HG			
Hg	3.00	ppb	30622						=
*** Standard: 7 Rep: 1				Seq: 1910	08:54:37 05 Sep 13	HG			
Hg	4.00	ppb	41655						=
*** Standard: 8 Rep: 1				Seq: 1911	08:57:09 05 Sep 13	HG			
Hg	5.00	ppb	52305						=
*** Standard: 9 Rep: 1				Seq: 1912	08:59:34 05 Sep 13	HG			
Hg	6.00	ppb	60438						=
*** Sample ID: ICV			H2090513S1	Seq: 1913	09:03:44 05 Sep 13	HG			
Hg	3.90	ppb	.000	3.90					=
*** Sample ID: ICB			H2090513S1	Seq: 1914	09:06:05 05 Sep 13	HG			
Hg	-.039	ppb	.000	-.039					=

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCV			H2090513S1 Seq: 1915	09:08:32 05 Sep 13	HG			
Hg	2.96	ppb	.000	2.96				
*** Sample ID: CCB			H2090513S1 Seq: 1916	09:11:16 05 Sep 13	HG			
Hg	-.014	ppb	.000	-.014				
*** Sample ID: CRI			H2090513S1 Seq: 1917	09:13:39 05 Sep 13	HG			
Hg	.187	ppb	.000	.187				
*** Sample ID: MC17591-3B			H2090513S1 Seq: 1918	09:16:11 05 Sep 13	HG			
Hg	.136	ppb	.000	.136				
*** Sample ID: MC17591-4B			H2090513S1 Seq: 1919	09:18:34 05 Sep 13	HG			
Hg	.149	ppb	.000	.149				
*** Sample ID: MP21586MB1			H2090513S1 Seq: 1920	09:20:56 05 Sep 13	HG			
Hg	-.056	ppb	.000	-.056				
*** Sample ID: MP21586-B1			H2090513S1 Seq: 1921	09:23:19 05 Sep 13	HG			
Hg	2.90	ppb	.000	2.90				
*** Sample ID: MP21586-B2			H2090513S1 Seq: 1922	09:25:43 05 Sep 13	HG			
Hg	2.86	ppb	.000	2.86				
*** Sample ID: MP21586-S1			H2090513S1 Seq: 1923	09:28:11 05 Sep 13	HG			
			MC23926-4					
Hg	3.80	ppb	.000	3.80				
*** Sample ID: MP21586-S2			H2090513S1 Seq: 1924	09:30:33 05 Sep 13	HG			
			MC23926-4					
Hg	3.47	ppb	.000	3.47				

Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC23926-4 H2090513S1 Seq: 1925 09:33:08 05 Sep 13 HG								
Hg	.587	ppb	.000	.587				
*** Sample ID: MP21586LC1 H2090513S1 Seq: 1926 09:35:30 05 Sep 13 HG Wgt 1.0000 Vol 10.000								
Hg	24.1	ppb	.000	24.1				
*** Sample ID: CCV H2090513S1 Seq: 1927 09:37:54 05 Sep 13 HG								
Hg	3.14	ppb	.000	3.14				
*** Sample ID: CCB H2090513S1 Seq: 1928 09:40:26 05 Sep 13 HG								
Hg	-.027	ppb	.000	-.027				
*** Sample ID: MC23922-6 H2090513S1 Seq: 1929 09:42:49 05 Sep 13 HG								
Hg	.160	ppb	.000	.160				
*** Sample ID: MC23922-7 H2090513S1 Seq: 1930 09:45:21 05 Sep 13 HG								
Hg	-.039	ppb	.000	-.039				
*** Sample ID: MC23922-10 H2090513S1 Seq: 1931 09:47:43 05 Sep 13 HG								
Hg	.127	ppb	.000	.127				
*** Sample ID: MC23922-11 H2090513S1 Seq: 1932 09:50:10 05 Sep 13 HG								
Hg	.052	ppb	.000	.052				
*** Sample ID: MC23926-1 H2090513S1 Seq: 1933 09:52:34 05 Sep 13 HG								
Hg	2.54	ppb	.000	2.54				
*** Sample ID: MC23926-2 H2090513S1 Seq: 1934 09:55:27 05 Sep 13 HG								
Hg	.708	ppb	.000	.708				

Folder: #HG18 **PUBLIC FOLDER ** Page 4
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC23926-3 H2090513S1 Seq: 1935 09:57:54 05 Sep 13 HG								
Hg	1.41	ppb	.000	1.41				
*** Sample ID: MC23928-1 H2090513S1 Seq: 1936 10:00:21 05 Sep 13 HG								
Hg	.012	ppb	.000	.012				
*** Sample ID: MC23928-2 H2090513S1 Seq: 1937 10:02:54 05 Sep 13 HG								
Hg	.012	ppb	.000	.012				
*** Sample ID: MC23929-1 H2090513S1 Seq: 1938 10:05:47 05 Sep 13 HG								
Hg	.002	ppb	.000	.002				
*** Sample ID: CCV H2090513S1 Seq: 1939 10:08:19 05 Sep 13 HG								
Hg	3.26	ppb	.000	3.26				
*** Sample ID: CCB H2090513S1 Seq: 1940 10:10:41 05 Sep 13 HG								
Hg	-.020	ppb	.000	-.020				
*** Sample ID: MC23929-2 H2090513S1 Seq: 1941 10:13:04 05 Sep 13 HG								
Hg	-.045	ppb	.000	-.045				
*** Sample ID: MC23930-3 H2090513S1 Seq: 1942 10:15:37 05 Sep 13 HG								
Hg	.113	ppb	.000	.113				
*** Sample ID: MC23948-3 H2090513S1 Seq: 1943 10:18:29 05 Sep 13 HG								
Hg	.086	ppb	.000	.086				
*** Sample ID: MC23948-4 H2090513S1 Seq: 1944 10:20:53 05 Sep 13 HG								
Hg	.534	ppb	.000	.534				

Folder: #HG18 **PUBLIC FOLDER ** Page 5
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC24029-1 H2090513S1 Seq: 1945 10:23:36 05 Sep 13 HG								
Hg	.058	ppb	.000	.058				
*** Sample ID: MC24029-2 H2090513S1 Seq: 1946 10:26:03 05 Sep 13 HG								
Hg	-.029	ppb	.000	-.029				
*** Sample ID: MC24029-3 H2090513S1 Seq: 1947 10:28:27 05 Sep 13 HG								
Hg	-.069	ppb	.000	-.069				
*** Sample ID: MC17591-4B H2090513S1 Seq: 1948 10:30:52 05 Sep 13 HG								
Hg	.208	ppb	.000	.208				
*** Sample ID: CRI H2090513S1 Seq: 1949 10:34:21 05 Sep 13 HG								
Hg	.190	ppb	.000	.190				
*** Sample ID: CCV H2090513S1 Seq: 1950 10:36:53 05 Sep 13 HG								
Hg	3.16	ppb	.000	3.16				
*** Sample ID: CCB H2090513S1 Seq: 1951 10:40:00 05 Sep 13 HG								
Hg	-.020	ppb	.000	-.020				

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 9/4/2013 8:59:47 Type: Cal
Method: Accutest Li -SS2(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0018	.0004	.0005	.0000	.0022	.0003	.0000	.0040	.0021
Stddev	.0000	.0003	.0000	.0000	.0003	.0002	.0001	.0000	.0003
%RSD	2.296	84.37	2.192	23.83	12.27	74.86	185.2	1.009	12.70
#1	-.0018	.0006	.0005	.0001	.0020	.0001	.0000	.0040	.0019
#2	-.0018	.0002	.0005	.0000	.0024	.0005	.0001	.0040	.0023

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6103	Mg2790	Mn2576	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0006	.0000	.0051	.0004	.0004	.0036	-.0001	.0004	.0003
Stddev	.0001	.0000	.0002	.0000	.0007	.0018	.0003	.0001	.0002
%RSD	16.93	85.52	2.936	8.747	173.5	49.03	254.0	15.67	70.89
#1	-.0005	.0000	.0050	.0005	.0008	.0024	-.0003	.0003	.0001
#2	-.0007	.0000	.0052	.0004	-.0001	.0049	.0001	.0004	.0004

Elem	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0033	-.0015	.0003	-.0005	.0001	.0001	.0008	.0342	.0001
Stddev	.0003	.0001	.0001	.0000	.0001	.0002	.0001	.0002	.0002
%RSD	10.41	9.243	41.21	2.062	43.60	236.6	10.51	.6322	124.5
#1	.0035	-.0016	.0002	-.0005	.0001	.0000	.0008	.0344	.0000
#2	.0030	-.0014	.0003	-.0005	.0002	.0002	.0007	.0341	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0008	-.0001	-.0014	.0002	.0000	.0018
Stddev	.0001	.0002	.0001	.0000	.000	.0001
%RSD	16.71	318.3	4.839	17.00	99.50	3.303
#1	-.0009	.0001	-.0015	.0002	.0000	.0018
#2	-.0007	-.0002	-.0014	.0002	.0000	.0018

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 9/4/2013 8:59:47 Type: Cal
Method: Accutest Li -SS2(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1695.2	69913.	8235.1
Stddev	4.6	616.	7.6
%RSD	.26990	.88040	.09188
#1	1692.0	69478.	8240.5
#2	1698.4	70348.	8229.8

Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 9/4/2013 9:04:14 Type: Cal
Method: Accutest Li -SS2(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1363	.5247	2.217	17.23	12.41	10.05	8.974	.7478	1.575	3.991
Stddev	.0001	.0006	.001	.05	.04	.01	.001	.0004	.001	.019
%RSD	.0396	.1177	.0225	.2954	.2895	.0941	.0148	.0546	.0476	.4673
#1	.1363	.5251	2.217	17.19	12.38	10.06	8.973	.7481	1.575	3.978
#2	.1363	.5242	2.217	17.27	12.43	10.05	8.975	.7475	1.576	4.004

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.953	7.184	2.765	1.770	.7650	1.163	7.890
Stddev	.009	.002	.000	.001	.0007	.002	.005
%RSD	.1180	.0204	.0160	.0790	.0877	.1287	.0702
#1	7.946	7.185	2.765	1.771	.7655	1.162	7.886
#2	7.960	7.183	2.764	1.769	.7645	1.164	7.894

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1691.5	69332.	8173.8
Stddev	.1	95.	34.9
%RSD	.00822	.13756	.42644
#1	1691.4	69399.	8198.4
#2	1691.6	69265.	8149.1

Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 9/4/2013 9:08:36 Type: Cal
Method: Accutest Li -SS2(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Li6103	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.233	2.015	1.206	.7624	2.184	.1364	1.967
Stddev	.003	.008	.003	.0032	.004	.0001	.001
%RSD	.1996	.4011	.2676	.4190	.1867	.0640	.0390
#1	1.235	2.021	1.208	.7601	2.187	.1363	1.968
#2	1.232	2.009	1.204	.7646	2.181	.1364	1.966

Int. Std.	Y_3710
Units	Cts/S
Avg	8108.7
Stddev	35.1
%RSD	.43293
#1	8083.9
#2	8133.5

Zoom In Zoom Out

Sample Name: Std4 Acquired: 9/4/2013 9:13:01 Type: Cal
Method: Accutest Li -SS2(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	Si2124	Sn1899	Sr4077	Ti3349	V_2924	W_2397
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2235	.2107	.0646	2.385	1.439	22.67	1.334	1.080	.0578
Stddev	.0006	.0004	.0001	.006	.002	.10	.001	.001	.0000
%RSD	.2832	.1752	.1106	.2516	.1367	.4421	.0353	.0514	.0475
#1	.2240	.2105	.0646	2.380	1.437	22.60	1.334	1.079	.0578
#2	.2231	.2110	.0647	2.389	1.440	22.74	1.334	1.080	.0578

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1685.0	68033.	8298.4
Stddev	4.1	128.	40.2
%RSD	.24447	.18839	.48421
#1	1687.9	68123.	8326.8
#2	1682.1	67942.	8270.0

Zoom In Zoom Out

Sample Name: Sample1 Acquired: 9/4/2013 9:17:29 Type: Unk
Method: Accutest Li -SS2(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	.0083	-.0005	.0056	.0006	.0003	.0001	.0321	.0000	.0001
Stddev	.0004	.0019	.0006	.0002	.0002	.0002	.0000	.0015	.0000	.0000
%RSD	450.1	22.57	117.7	3.613	27.84	93.23	6.188	4.591	167.3	53.24
#1	-.0004	.0097	-.0010	.0055	.0005	.0001	.0001	.0331	.0001	.0001
#2	.0002	.0070	-.0001	.0058	.0008	.0004	.0001	.0310	.0000	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6103	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Avg	.0000	.0011	-.0004	-.0219	-.0248	.0263	.0001	.0007	-.0128	.0001
Stddev	.000	.0002	.0019	.0148	.0031	.0188	.0000	.0000	.0043	.0001
%RSD	146.2	16.09	500.0	67.45	12.56	71.54	27.46	1.697	33.71	120.5
#1	.0000	.0012	-.0017	-.0115	-.0270	.0130	.0001	.0007	-.0098	.0002
#2	-.0001	.0009	.0010	-.0324	-.0226	.0397	.0001	.0007	-.0159	.0000

Elem	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0003	.0000	-.0015	.0006	-.0004	.0017	.0004	.0005	.0007	-.0005
Stddev	.0004	.003	.0040	.0005	.0014	.0001	.0002	.0001	.0001	.0002
%RSD	160.7	36030.	266.6	82.01	372.3	7.301	44.27	12.71	18.10	31.08
#1	-.0006	.0021	.0013	.0009	.0006	.0018	.0003	.0006	.0008	-.0006
#2	.0000	-.0022	-.0043	.0003	-.0013	.0016	.0006	.0005	.0006	-.0004

Elem	V_2924	W_2397	Zn2062
Avg	.0005	.0130	.0060
Stddev	.0001	.0041	.0004
%RSD	28.41	31.35	6.853
#1	.0004	.0159	.0063
#2	.0006	.0101	.0057

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1670.8	67309.	7985.3
Stddev	.2	604.	24.9
%RSD	.01280	.89716	.31192
#1	1670.6	66882.	8003.0
#2	1670.9	67736.	7967.7

Zoom In Zoom Out

Sample Name: BLANK1 Acquired: 9/4/2013 9:21:55 Type: Unk
Method: Accutest Li -SS2(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	-.0019	-.0001	.0017	.0004	.0001	.0001	-.0052	.0001	.0000
Stddev	.000	.0023	.0007	.0001	.0002	.0001	.0000	.0045	.0000	.0001
%RSD	152.0	125.6	1154.	5.490	51.88	186.9	5.824	87.48	3.089	329.1
#1	.0000	-.0002	-.0005	.0017	.0005	.0000	.0001	-.0020	.0001	.0000
#2	.0000	-.0035	.0004	.0018	.0002	.0001	.0001	-.0084	.0001	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6103	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Avg	.0000	.0008	-.0016	-.0203	-.0195	.0028	.0000	.0004	-.0124	-.0001
Stddev	.0001	.0001	.0005	.0250	.0027	.0259	.000	.0001	.0008	.0000
%RSD	1068.	14.37	31.48	123.5	13.64	927.1	136.3	16.51	6.098	16.09
#1	-.0001	.0009	-.0019	-.0379	-.0213	.0211	.0000	.0003	-.0118	-.0001
#2	.0001	.0007	-.0012	-.0026	-.0176	-.0155	-.0001	.0004	-.0129	.0000

Elem	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0002	.0010	-.0051	-.0001	.0007	.0003	.0002	.0001	.0001	-.0002
Stddev	.0004	.0015	.0015	.0006	.0009	.0001	.0006	.0000	.0001	.0003
%RSD	200.2	153.8	29.25	668.1	120.6	25.85	316.1	18.76	174.8	123.8
#1	-.0001	.0021	-.0062	.0003	.0001	.0003	.0007	.0001	.0000	.0000
#2	.0005	-.0001	-.0041	-.0005	.0013	.0004	-.0003	.0001	.0002	-.0004

Elem	V_2924	W_2397	Zn2062
Avg	.0003	.0039	-.0008
Stddev	.0003	.0012	.0001
%RSD	97.03	31.93	6.766
#1	.0006	.0048	-.0008
#2	.0001	.0030	-.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1668.7	69957.	8294.8
Stddev	3.1	159.	27.3
%RSD	.18651	.22782	.32948
#1	1670.9	70070.	8275.4
#2	1666.5	69844.	8314.1

Zoom In Zoom Out

Sample Name: BLANK2 Acquired: 9/4/2013 9:26:21 Type: Unk
Method: Accutest Li -SS2(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	-.0060	-.0010	.0004	.0000	.0001	.0001	-.0007	.0000	.0000
Stddev	.0001	.0035	.0011	.0001	.000	.0000	.0001	.0025	.0001	.0001
%RSD	26.78	58.20	112.6	13.06	503.0	37.98	181.6	376.9	467.1	913.7
#1	-.0002	-.0036	-.0017	.0004	.0000	.0001	.0001	-.0024	.0000	.0001
#2	-.0004	-.0085	-.0002	.0005	.0000	.0001	.0000	.0011	.0001	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6103	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Avg	.0002	.0008	.0005	-.0074	-.0208	-.0093	.0000	.0002	-.0177	-.0001
Stddev	.0000	.0002	.0038	.0206	.0006	.0041	.000	.0001	.0036	.0000
%RSD	12.18	23.35	763.6	277.5	3.048	43.80	514.9	51.21	20.05	1.840
#1	.0002	.0009	.0032	.0071	-.0213	-.0122	.0000	.0002	-.0152	-.0001
#2	.0001	.0006	-.0022	-.0220	-.0204	-.0064	.0000	.0003	-.0203	-.0001

Elem	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0001	.0016	-.0053	-.0001	-.0004	.0004	.0000	.0001	-.0003	.0007
Stddev	.0002	.0023	.0021	.0001	.0003	.0005	.000	.0000	.0000	.0001
%RSD	159.7	140.4	40.19	101.6	83.56	117.5	1628.	9.509	2.666	14.13
#1	.0002	.0032	-.0068	.0000	-.0006	.0001	-.0003	.0001	-.0003	.0006
#2	.0000	.0000	-.0038	-.0002	-.0002	.0008	.0003	.0001	-.0003	.0007

Elem	V_2924	W_2397	Zn2062
Avg	-.0002	.0042	.0019
Stddev	.0002	.0003	.0001
%RSD	98.55	7.212	6.010
#1	-.0004	.0044	.0018
#2	-.0001	.0040	.0020

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1659.4	68872.	8453.9
Stddev	.2	253.	67.2
%RSD	.01337	.36801	.79482
#1	1659.5	68693.	8501.4
#2	1659.2	69052.	8406.4

Zoom In Zoom Out

Sample Name: BLANK3 Acquired: 9/4/2013 9:30:47 Type: Unk
Method: Accutest Li -SS2(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	-.0077	.0001	.0003	-.0001	.0001	.0000	-.0030	.0001	.0001
Stddev	.000	.0003	.0012	.0003	.0002	.0000	.0001	.0006	.0000	.0001
%RSD	914.2	3.988	1404.	105.6	228.8	3.310	355.2	19.30	2.761	193.7
#1	-.0002	-.0079	.0009	.0001	.0001	.0001	.0000	-.0026	.0001	.0000
#2	.0002	-.0075	-.0008	.0004	-.0003	.0001	.0001	-.0034	.0001	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6103	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Avg	-.0001	.0009	-.0026	-.0370	-.0309	.0234	-.0001	.0002	-.0184	.0000
Stddev	.0003	.0000	.0017	.0076	.0082	.0089	.0001	.0000	.0040	.000
%RSD	368.6	3.127	64.25	20.61	26.55	38.05	73.64	11.37	21.87	123.7
#1	-.0003	.0009	-.0038	-.0424	-.0367	.0171	-.0001	.0002	-.0156	-.0001
#2	.0001	.0008	-.0014	-.0316	-.0251	.0297	.0000	.0002	-.0213	.0000

Elem	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0000	.0017	-.0053	-.0005	-.0007	.0002	.0000	.0000	-.0001	.0003
Stddev	.000	.0004	.0007	.0003	.0007	.0006	.000	.0001	.0001	.0011
%RSD	381.0	26.11	13.29	67.60	99.89	299.1	795.5	6443.	141.9	434.9
#1	.0001	.0014	-.0058	-.0007	-.0011	.0007	.0001	-.0001	-.0002	-.0005
#2	-.0002	.0020	-.0048	-.0003	-.0002	-.0002	-.0002	.0001	.0000	.0010

Elem	V_2924	W_2397	Zn2062
Avg	-.0002	.0036	-.0008
Stddev	.0000	.0005	.0001
%RSD	5.358	12.59	10.99
#1	-.0002	.0039	-.0007
#2	-.0002	.0033	-.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1654.4	68643.	8445.4
Stddev	1.7	283.	.5
%RSD	.10142	.41194	.00607
#1	1653.2	68843.	8445.1
#2	1655.5	68443.	8445.8

Zoom In Zoom Out

Sample Name: BLANK4 Acquired: 9/4/2013 9:35:13 Type: Unk
Method: Accutest Li -SS2(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	-.0023	-.0011	.0008	-.0003	.0000	.0000	-.0028	-.0001	.0001
Stddev	.0003	.0048	.0008	.0006	.0000	.0001	.0000	.0029	.0000	.0000
%RSD	140.8	208.8	73.14	82.02	1.283	467.6	74.10	105.9	28.00	18.55
#1	.0000	.0011	-.0016	.0003	-.0003	.0001	.0000	-.0048	-.0001	.0001
#2	.0004	-.0057	-.0005	.0012	-.0003	-.0001	.0000	-.0007	-.0001	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6103	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Avg	-.0002	.0011	-.0018	-.0186	-.0310	.0014	-.0001	.0002	-.0168	-.0002
Stddev	.0000	.0004	.0013	.0127	.0045	.0123	.0001	.0001	.0116	.0001
%RSD	16.33	31.58	68.90	68.36	14.48	888.4	189.5	74.15	69.42	22.58
#1	-.0001	.0014	-.0009	-.0096	-.0342	-.0073	-.0002	.0002	-.0250	-.0003
#2	-.0002	.0009	-.0027	-.0275	-.0279	.0101	.0000	.0001	-.0085	-.0002

Elem	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0004	.0023	-.0049	.0003	.0006	.0007	.0000	.0000	-.0001	-.0003
Stddev	.0003	.0005	.0002	.0003	.0023	.0001	.000	.000	.0002	.0003
%RSD	76.70	19.72	4.641	125.1	356.6	10.32	7424.	274.0	128.1	115.8
#1	-.0002	.0027	-.0047	.0000	.0023	.0006	.0002	.0000	-.0003	-.0001
#2	-.0007	.0020	-.0050	.0005	-.0010	.0007	-.0002	-.0001	.0000	-.0005

Elem	V_2924	W_2397	Zn2062
Avg	.0001	.0022	-.0010
Stddev	.0000	.0009	.0001
%RSD	31.00	39.45	11.17
#1	.0002	.0016	-.0009
#2	.0001	.0028	-.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1650.5	68465.	8476.5
Stddev	1.5	10.	110.8
%RSD	.09352	.01490	1.3068
#1	1651.5	68472.	8554.8
#2	1649.4	68458.	8398.1

Zoom In Zoom Out

Sample Name: BLANK5 Acquired: 9/4/2013 9:39:40 Type: Unk
Method: Accutest Li -SS2(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	-.0020	-.0003	.0005	.0000	.0000	.0001	-.0005	.0001	.0001
Stddev	.000	.0015	.0008	.0013	.000	.000	.0000	.0014	.0000	.0001
%RSD	653.6	75.29	244.3	288.6	1262.	6540.	65.85	268.9	33.54	73.05
#1	-.0001	-.0009	.0002	-.0005	.0001	.0001	.0000	-.0015	.0001	.0001
#2	.0001	-.0031	-.0009	.0014	-.0001	-.0001	.0001	.0005	.0001	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6103	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Avg	-.0002	.0013	.0018	-.0455	-.0375	.0228	.0000	.0002	-.0117	.0000
Stddev	.0002	.0002	.0016	.0153	.0055	.0252	.0000	.0000	.0047	.000
%RSD	117.7	15.33	87.86	33.63	14.80	110.4	217.6	7.501	40.44	619.7
#1	.0000	.0015	.0007	-.0563	-.0414	.0050	.0001	.0002	-.0084	.0000
#2	-.0003	.0012	.0030	-.0347	-.0335	.0407	.0000	.0002	-.0151	-.0001

Elem	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0006	.0037	-.0013	-.0001	.0011	.0026	.0004	.0008	.0004	-.0007
Stddev	.0002	.0005	.0015	.0003	.0004	.0001	.0001	.0000	.0001	.0003
%RSD	29.56	12.24	114.0	233.1	33.87	4.552	19.12	.6238	18.12	35.56
#1	-.0007	.0034	-.0024	-.0004	.0008	.0026	.0005	.0008	.0004	-.0005
#2	-.0004	.0040	-.0003	.0001	.0013	.0027	.0004	.0008	.0003	-.0009

Elem	V_2924	W_2397	Zn2062
Avg	.0005	.0023	-.0007
Stddev	.0000	.0034	.0001
%RSD	.4268	145.0	10.76
#1	.0005	.0047	-.0007
#2	.0005	-.0001	-.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1644.8	68136.	8521.9
Stddev	1.8	106.	29.3
%RSD	.10886	.15551	.34331
#1	1646.0	68211.	8501.2
#2	1643.5	68062.	8542.6

Zoom In Zoom Out

Sample Name: BLANK6 Acquired: 9/4/2013 9:44:06 Type: Unk
Method: Accutest Li -SS2(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	-.0063	-.0012	.0002	-.0001	.0001	.0000	-.0040	.0001	.0001
Stddev	.0000	.0070	.0021	.0005	.0002	.000	.0000	.0020	.0001	.0000
%RSD	28.56	111.0	180.1	206.1	140.4	109.2	386.5	49.69	55.58	47.24
#1	-.0001	-.0014	-.0026	.0006	.0000	.0000	-.0001	-.0054	.0001	.0001
#2	-.0002	-.0112	.0003	-.0001	-.0002	.0003	.0000	-.0026	.0001	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6103	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Avg	.0003	.0018	-.0008	.0009	-.0370	-.0062	.0000	.0001	-.0157	-.0001
Stddev	.0000	.0000	.0001	.0143	.0115	.0407	.000	.0001	.0057	.0001
%RSD	3.324	2.603	11.51	1598.	31.03	657.6	155.2	43.37	36.62	90.04
#1	.0003	.0019	-.0009	-.0092	-.0289	.0226	.0000	.0002	-.0198	-.0002
#2	.0003	.0018	-.0007	.0110	-.0451	-.0349	.0000	.0001	-.0116	-.0001

Elem	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0002	.0019	-.0050	.0003	-.0009	.0019	.0000	.0001	-.0003	-.0008
Stddev	.0003	.0002	.0027	.0004	.0002	.0002	.0003	.0000	.0003	.0006
%RSD	140.2	11.37	53.58	150.7	20.55	10.17	827.1	11.87	89.16	72.81
#1	-.0004	.0020	-.0069	.0005	-.0010	.0021	-.0001	.0001	-.0005	-.0013
#2	.0000	.0017	-.0031	.0000	-.0007	.0018	.0002	.0001	-.0001	-.0004

Elem	V_2924	W_2397	Zn2062
Avg	.0000	.0040	-.0008
Stddev	.000	.0018	.0001
%RSD	2064.	44.75	8.734
#1	.0001	.0053	-.0008
#2	-.0001	.0027	-.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1636.0	67905.	8616.2
Stddev	3.3	143.	34.9
%RSD	.20263	.21035	.40459
#1	1638.4	68006.	8640.9
#2	1633.7	67804.	8591.6

Zoom In Zoom Out

Sample Name: BLANK7 Acquired: 9/4/2013 9:48:32 Type: Unk
Method: Accutest Li -SS2(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	-.0049	-.0005	.0009	-.0004	.0001	.0000	-.0087	.0000	.0000
Stddev	.0003	.0074	.0000	.0000	.0002	.0000	.0000	.0049	.000	.0000
%RSD	266.0	149.6	1.339	2.465	43.22	14.49	38.42	56.81	269.4	38.30
#1	-.0003	-.0101	-.0005	.0009	-.0005	.0001	.0000	-.0121	.0000	.0000
#2	.0001	.0003	-.0005	.0009	-.0003	.0001	.0000	-.0052	.0000	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6103	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Avg	-.0001	.0017	-.0022	-.0058	-.0487	.0205	.0000	.0002	-.0288	.0001
Stddev	.0001	.0001	.0006	.0080	.0003	.0238	.0001	.0000	.0021	.0001
%RSD	172.1	3.945	29.39	137.8	.5158	116.1	261.3	3.086	7.230	53.24
#1	-.0001	.0018	-.0026	-.0114	-.0489	.0373	.0001	.0002	-.0303	.0002
#2	.0000	.0017	-.0017	-.0001	-.0486	.0037	.0000	.0003	-.0273	.0001

Elem	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0003	.0034	-.0073	.0000	-.0011	.0028	-.0003	.0000	-.0001	-.0002
Stddev	.0003	.0003	.0004	.0003	.0007	.0002	.0001	.0000	.0003	.0001
%RSD	104.3	8.064	5.721	1668.	58.59	7.357	45.36	14.16	203.9	43.56
#1	.0005	.0032	-.0076	.0002	-.0016	.0030	-.0004	.0000	.0001	-.0001
#2	.0001	.0036	-.0070	-.0002	-.0007	.0027	-.0002	.0000	-.0003	-.0003

Elem	V_2924	W_2397	Zn2062
Avg	.0002	.0001	-.0011
Stddev	.0001	.0015	.0001
%RSD	75.82	1286.	12.55
#1	.0001	-.0009	-.0012
#2	.0003	.0012	-.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1632.7	67624.	8481.4
Stddev	.8	95.	19.4
%RSD	.04631	.14102	.22886
#1	1633.2	67691.	8495.1
#2	1632.2	67556.	8467.7

Zoom In Zoom Out

Sample Name: BLANK8 Acquired: 9/4/2013 9:52:58 Type: Unk
Method: Accutest Li -SS2(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	-.0013	.0005	.0006	-.0005	.0002	.0000	-.0037	.0001	-.0001
Stddev	.000	.0055	.0001	.0005	.0003	.0000	.0001	.0019	.0001	.0001
%RSD	1926.	423.3	26.74	79.61	63.56	.5857	262.0	51.92	86.35	96.28
#1	-.0003	-.0052	.0004	.0003	-.0007	.0002	.0001	-.0050	.0001	-.0001
#2	.0002	.0026	.0007	.0009	-.0003	.0002	.0000	-.0023	.0000	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6103	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Avg	.0000	.0017	-.0020	-.0158	-.0536	-.0198	-.0001	.0000	-.0313	-.0001
Stddev	.0000	.0001	.0001	.0041	.0002	.0045	.0001	.0001	.0015	.0000
%RSD	221.2	7.914	5.870	26.07	.3254	22.84	116.8	3383.	4.779	2.769
#1	.0000	.0016	-.0019	-.0187	-.0538	-.0230	-.0001	.0000	-.0323	-.0001
#2	.0000	.0018	-.0021	-.0129	-.0535	-.0166	.0000	.0000	-.0302	-.0001

Elem	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0005	.0028	-.0013	-.0002	.0000	.0024	-.0001	.0000	-.0002	.0002
Stddev	.0001	.0011	.0007	.0003	.0008	.0003	.0002	.0000	.0001	.0002
%RSD	28.77	39.50	51.95	111.2	3456.	11.87	133.8	148.3	64.22	107.3
#1	.0006	.0036	-.0008	-.0004	-.0005	.0022	.0000	.0000	-.0001	.0001
#2	.0004	.0020	-.0018	-.0001	.0006	.0026	-.0003	.0000	-.0003	.0004

Elem	V_2924	W_2397	Zn2062
Avg	.0001	.0034	-.0011
Stddev	.0009	.0027	.0002
%RSD	1586.	78.19	19.65
#1	-.0006	.0053	-.0010
#2	.0007	.0015	-.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1627.9	67450.	8543.0
Stddev	5.2	187.	66.9
%RSD	.31685	.27652	.78322
#1	1631.5	67318.	8495.7
#2	1624.2	67582.	8590.3

Zoom In Zoom Out

Sample Name: BLANK9 Acquired: 9/4/2013 9:57:24 Type: Unk
Method: Accutest Li -SS2(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	-.0018	.0003	.0005	-.0002	.0001	.0000	-.0059	-.0001	.0001
Stddev	.0003	.0016	.0007	.0010	.0001	.0001	.000	.0003	.0001	.0000
%RSD	401.4	87.94	250.6	179.5	46.43	106.8	5199.	4.801	132.2	13.86
#1	-.0001	-.0030	-.0002	-.0001	-.0001	.0001	.0000	-.0061	-.0001	.0001
#2	.0003	-.0007	.0008	.0012	-.0002	.0000	.0000	-.0057	.0000	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6103	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Avg	-.0001	.0020	-.0026	-.0054	-.0661	.0081	.0000	.0001	-.0266	.0002
Stddev	.0001	.0003	.0021	.0094	.0060	.0066	.000	.0000	.0047	.0001
%RSD	169.2	14.90	81.49	174.7	9.060	81.68	384.8	21.35	17.72	30.46
#1	-.0001	.0022	-.0011	.0013	-.0619	.0128	.0000	.0001	-.0299	.0003
#2	.0000	.0018	-.0041	-.0120	-.0703	.0034	-.0001	.0001	-.0233	.0002

Elem	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0003	.0025	-.0061	.0002	-.0010	.0031	-.0003	.0000	-.0006	.0002
Stddev	.0001	.0001	.0009	.0003	.0003	.0000	.0001	.000	.0001	.0003
%RSD	45.62	5.228	15.32	144.5	30.10	1.516	40.86	170.5	18.90	220.1
#1	-.0002	.0024	-.0068	.0000	-.0008	.0031	-.0003	.0000	-.0005	.0004
#2	-.0004	.0026	-.0055	.0004	-.0012	.0031	-.0002	.0000	-.0007	-.0001

Elem	V_2924	W_2397	Zn2062
Avg	.0002	-.0042	-.0012
Stddev	.0002	.0005	.0000
%RSD	97.31	11.31	1.864
#1	.0001	-.0039	-.0011
#2	.0003	-.0045	-.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1621.0	67538.	8580.6
Stddev	2.5	57.	16.5
%RSD	.15665	.08426	.19180
#1	1622.7	67578.	8569.0
#2	1619.2	67498.	8592.3

Zoom In Zoom Out

Sample Name: Std1 Acquired: 9/4/2013 10:19:36 Type: Cal
Method: Accutest -SS2(v59) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0006	-.0001	.0000	.0002	.0015	.0080	-.0002	.0048	.0022
Stddev	.0001	.0002	.0000	.0001	.0002	.0008	.0001	.0003	.0002
%RSD	10.47	168.5	1.914	38.39	11.84	9.816	62.49	6.076	9.432
#1	-.0006	.0000	.0000	.0001	.0014	.0085	-.0001	.0050	.0024
#2	-.0005	-.0003	.0000	.0002	.0016	.0074	-.0003	.0046	.0021

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0002	.0000	.0075	.0005	-.0001	.0000	.0005	.0002	.0035
Stddev	.0002	.0002	.0001	.0001	.0006	.000	.0001	.0001	.0006
%RSD	85.04	2320.	1.019	14.53	474.2	353.2	20.22	69.57	18.37
#1	-.0001	-.0001	.0075	.0004	-.0006	.0000	.0006	.0003	.0030
#2	-.0003	.0001	.0074	.0005	.0003	-.0001	.0004	.0001	.0039

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0012	-.0002	.0003	.0000	.0000	.0005	.0464	.0000	.0033
Stddev	.0001	.0002	.0000	.0000	.000	.0001	.0002	.000	.0006
%RSD	6.354	79.61	10.67	345.0	358.4	16.75	.3553	205.5	18.02
#1	-.0011	-.0004	.0004	.0000	-.0002	.0006	.0466	-.0001	.0037
#2	-.0012	-.0001	.0003	.0000	.0001	.0004	.0463	.0000	.0028

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0003	-.0011	.0003	-.0001	.0017	.0005
Stddev	.0002	.0001	.0002	.0001	.0005	.0001
%RSD	76.50	7.164	60.63	94.65	26.93	12.81
#1	-.0001	-.0012	.0004	-.0001	.0014	.0005
#2	-.0004	-.0011	.0002	.0000	.0020	.0004

Zoom In Zoom Out

Sample Name: Std1 Acquired: 9/4/2013 10:19:36 Type: Cal
Method: Accutest -SS2(v59) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	2309.5	73819.	7214.4
Stddev	.8	137.	60.8
%RSD	.03499	.18499	.84291
#1	2309.0	73722.	7171.4
#2	2310.1	73915.	7257.4

Zoom In Zoom Out

Sample Name: Std2 Acquired: 9/4/2013 10:24:00 Type: Cal
Method: Accutest -SS2(v59) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1443	.5964	2.090	15.90	13.04	9.928	8.911	.9126	1.799	4.681
Stddev	.0002	.0012	.002	.10	.07	.003	.005	.0004	.004	.022
%RSD	.1600	.2014	.1164	.6507	.5488	.0259	.0557	.0445	.1920	.4811
#1	.1441	.5955	2.088	15.83	12.99	9.926	8.907	.9129	1.802	4.665
#2	.1444	.5972	2.091	15.98	13.09	9.930	8.914	.9123	1.797	4.697

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.686	7.308	2.969	1.667	.8571	1.093	10.73
Stddev	.016	.002	.000	.001	.0003	.001	.00
%RSD	.2042	.0328	.0004	.0543	.0342	.1118	.0075
#1	7.675	7.309	2.969	1.666	.8569	1.092	10.73
#2	7.697	7.306	2.969	1.668	.8573	1.094	10.72

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	2295.4	74052.	7225.8
Stddev	1.8	217.	71.9
%RSD	.07781	.29264	.99529
#1	2296.6	74205.	7276.7
#2	2294.1	73898.	7174.9

Zoom In Zoom Out

Sample Name: Std3 Acquired: 9/4/2013 10:28:20 Type: Cal
Method: Accutest -SS2(v59) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.239	2.442	1.313	.8104	.1730	1.931
Stddev	.001	.002	.001	.0011	.0005	.001
%RSD	.1057	.0901	.0666	.1387	.3142	.0746
#1	1.238	2.444	1.314	.8112	.1726	1.930
#2	1.240	2.441	1.313	.8096	.1734	1.932

Int. Std.	Y_3710
Units	Cts/S
Avg	7287.8
Stddev	21.0
%RSD	.28813
#1	7302.6
#2	7273.0

Zoom In Zoom Out

Sample Name: Std4 Acquired: 9/4/2013 10:32:41 Type: Cal
Method: Accutest -SS2(v59) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	Si2124	Sn1899	Sr4077	Ti3349	V_2924	W_2397	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2555	.3982	.0732	2.221	1.563	20.60	1.463	1.212	.0642	2.978
Stddev	.0003	.0002	.0002	.006	.004	.02	.001	.000	.0003	.002
%RSD	.1364	.0387	.3028	.2945	.2591	.1081	.0517	.0128	.5232	.0746
#1	.2552	.3984	.0734	2.216	1.560	20.62	1.463	1.212	.0639	2.976
#2	.2557	.3981	.0731	2.225	1.565	20.59	1.464	1.212	.0644	2.979

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	2315.2	74296.	7280.3
Stddev	1.2	106.	44.4
%RSD	.05129	.14241	.60994
#1	2314.4	74371.	7248.9
#2	2316.1	74221.	7311.7

Zoom In Zoom Out

Sample Name: ICV Acquired: 9/4/2013 10:37:00 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.5150	16.11	3.053	3.022	3.067	3.062	2.996	18.13	3.018	3.007
Stddev	.0002	.03	.003	.005	.003	.003	.003	.04	.000	.000
%RSD	.0365	.2040	.0875	.1512	.1068	.1033	.0999	.2383	.0019	.0045
#1	.5151	16.13	3.051	3.026	3.064	3.064	2.998	18.16	3.018	3.007
#2	.5148	16.09	3.055	3.019	3.069	3.060	2.993	18.10	3.017	3.007

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	3.090	2.965	18.32	15.15	18.46	3.018	2.897	15.51	2.903	2.923
Stddev	.006	.004	.03	.03	.16	.009	.004	.03	.001	.000
%RSD	.2049	.1293	.1645	.1744	.8540	.3012	.1282	.1655	.0353	.0044
#1	3.085	2.962	18.30	15.16	18.57	3.025	2.894	15.53	2.902	2.923
#2	3.094	2.967	18.34	15.13	18.35	3.012	2.900	15.49	2.904	2.923

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	3.029	3.027	2.976	3.019	3.243	3.101	3.029	3.044	2.993	2.995
Stddev	.002	.004	.001	.002	.003	.002	.001	.003	.002	.001
%RSD	.0584	.1454	.0391	.0633	.0998	.0654	.0468	.1056	.0564	.0345
#1	3.028	3.023	2.975	3.018	3.241	3.100	3.030	3.041	2.991	2.994
#2	3.031	3.030	2.977	3.020	3.245	3.103	3.028	3.046	2.994	2.996

Elem	W_2397	Zn2062	Zr3391
Avg	2.955	2.945	3.105
Stddev	.009	.001	.003
%RSD	.3188	.0177	.0908
#1	2.962	2.945	3.107
#2	2.948	2.946	3.103

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2287.8	73555.	7328.4
Stddev	.9	111.	102.6
%RSD	.04026	.15111	1.3994
#1	2287.2	73634.	7255.9
#2	2288.5	73477.	7400.9

Zoom In Zoom Out

Sample Name: ICB Acquired: 9/4/2013 10:45:38 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0002	.0103	.0011	.0015	.0021	.0001	.0002	-.0053	F.0004
Stddev	.0003	.0011	.0008	.0008	.0004	.0003	.0001	.0032	.0001
%RSD	129.7	10.83	73.76	55.31	20.22	286.4	91.86	60.76	19.08
#1	.0000	.0111	.0017	.0021	.0024	-.0001	.0001	-.0030	.0005
#2	.0005	.0096	.0005	.0009	.0018	.0003	.0003	-.0075	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	.0002	-.0002	.0036	.0013	-.0018	.0002	.0014	-.0081
Stddev	.0002	.0004	.0000	.0022	.0000	.0185	.0000	.0002	.0050
%RSD	115.2	184.4	4.764	62.43	.6782	1024.	13.22	15.52	60.96
#1	.0003	.0004	-.0002	.0020	.0013	-.0149	.0002	.0015	-.0046
#2	.0000	-.0001	-.0002	.0052	.0013	.0113	.0003	.0012	-.0117

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0002	.0013	-.0004	.0020	.0008	.0002	.0011	.0002	.0004
Stddev	.0000	.0001	.0013	.0013	.0004	.0000	.0011	.0004	.0000
%RSD	15.20	10.44	287.3	64.92	47.23	15.69	103.4	205.8	3.026
#1	.0001	.0014	-.0013	.0029	.0005	.0003	.0003	-.0001	.0004
#2	.0002	.0012	.0004	.0011	.0010	.0002	.0019	.0005	.0004

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0005	.0005	.0003	.0097	-.0006	.0008
Stddev	.0002	.0006	.0004	.0051	.0001	.0001
%RSD	47.87	133.7	108.8	53.13	23.18	12.61
#1	.0003	.0009	.0001	.0133	-.0005	.0007
#2	.0006	.0000	.0006	.0060	-.0007	.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2296.8	74257.	7301.7
Stddev	1.6	138.	31.5
%RSD	.06788	.18526	.43118
#1	2297.9	74160.	7279.5
#2	2295.7	74354.	7324.0

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/4/2013 10:50:00 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2502	9.984	1.990	-.0019	1.984	1.969	1.974	10.04	1.984	2.070
Stddev	.0005	.014	.001	.0004	.002	.005	.002	.01	.002	.001
%RSD	.1981	.1410	.0594	22.56	.0832	.2725	.1099	.1157	.0998	.0453
#1	.2505	9.994	1.989	-.0016	1.983	1.973	1.975	10.05	1.985	2.071
#2	.2498	9.974	1.991	-.0022	1.985	1.965	1.972	10.03	1.982	2.070

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.996	1.960	10.07	9.800	10.14	1.989	1.984	9.981	1.977	1.954
Stddev	.001	.004	.01	.012	.07	.002	.001	.011	.003	.003
%RSD	.0238	.2228	.0522	.1218	.6661	.1132	.0547	.1123	.1286	.1616
#1	1.996	1.963	10.08	9.809	10.10	1.991	1.983	9.973	1.979	1.956
#2	1.996	1.956	10.07	9.792	10.19	1.987	1.985	9.989	1.975	1.951

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0020	.0066	1.993	1.991	.0498	1.979	1.965	2.003	1.984	1.991
Stddev	.0003	.0023	.000	.001	.0010	.001	.005	.001	.001	.002
%RSD	13.08	34.62	.0077	.0259	2.083	.0640	.2413	.0578	.0382	.0900
#1	-.0018	.0050	1.993	1.991	.0491	1.978	1.969	2.003	1.984	1.993
#2	-.0022	.0082	1.993	1.991	.0505	1.980	1.962	2.002	1.985	1.990

Elem	W_2397	Zn2062	Zr3391
Avg	-.0027	1.968	.0061
Stddev	.0016	.003	.0011
%RSD	60.08	.1481	17.50
#1	-.0038	1.970	.0069
#2	-.0015	1.966	.0054

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2290.0	73518.	7305.0
Stddev	3.6	24.	5.5
%RSD	.15502	.03321	.07548
#1	2287.5	73501.	7308.9
#2	2292.5	73536.	7301.1

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/4/2013 10:54:42 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0006	.0210	.0017	.0005	.0026	.0000	.0002	-.0048	F.0005
Stddev	.0003	.0039	.0002	.0005	.0004	.0003	.0001	.0010	.0000
%RSD	48.00	18.36	11.07	95.59	15.99	2135.	48.79	21.18	8.013
#1	.0004	.0237	.0016	.0002	.0029	-.0002	.0001	-.0041	.0005
#2	.0008	.0183	.0019	.0009	.0023	.0002	.0003	-.0055	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	.0005	.0004	.0052	.0249	-.0066	.0003	.0026	.0013
Stddev	.0000	.0004	.0003	.0007	.0070	.0246	.0000	.0005	.0090
%RSD	13.64	82.10	72.04	14.02	28.08	373.5	9.051	18.02	688.0
#1	.0002	.0002	.0006	.0057	.0200	-.0240	.0003	.0029	.0077
#2	.0002	.0008	.0002	.0047	.0299	.0108	.0002	.0022	-.0051

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0002	.0010	-.0025	.0010	.0008	.0002	.0017	.0004	.0002
Stddev	.0000	.0003	.0004	.0043	.0006	.0011	.0007	.0003	.0000
%RSD	1.035	30.56	14.36	432.4	67.23	433.5	42.61	77.16	20.60
#1	.0002	.0008	-.0022	-.0020	.0004	-.0005	.0022	.0002	.0002
#2	.0002	.0013	-.0028	.0040	.0012	.0010	.0012	.0005	.0002

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0004	.0008	.0005	.0049	-.0006	.0001
Stddev	.0002	.0003	.0002	.0020	.0000	.0002
%RSD	37.16	36.74	37.31	42.05	7.093	190.4
#1	.0005	.0006	.0003	.0063	-.0006	.0000
#2	.0003	.0011	.0006	.0034	-.0006	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2291.9	73158.	7340.5
Stddev	.1	131.	84.9
%RSD	.00367	.17941	1.1562
#1	2292.0	73065.	7280.5
#2	2291.8	73251.	7400.5

Zoom In Zoom Out

Sample Name: CRI Acquired: 9/4/2013 11:02:34 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0056	.2249	.0041	-.0001	.1035	.0519	.0044	5.105	.0044	.0538
Stddev	.0004	.0139	.0004	.0003	.0004	.0000	.0001	.006	.0001	.0002
%RSD	6.423	6.170	10.35	288.0	.3700	.0915	1.801	.1130	1.181	.2992
#1	.0059	.2347	.0038	-.0003	.1033	.0519	.0044	5.100	.0044	.0537
#2	.0054	.2151	.0044	.0001	.1038	.0518	.0043	5.109	.0043	.0539

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0106	.0263	.1034	5.037	5.037	.0161	.1036	5.148	.0416	.0058
Stddev	.0001	.0001	.0013	.023	.053	.0000	.0004	.005	.0002	.0005
%RSD	.7480	.3500	1.237	.4653	1.063	.2887	.3732	.0998	.5307	8.707
#1	.0107	.0262	.1043	5.020	4.999	.0161	.1033	5.151	.0414	.0054
#2	.0105	.0264	.1025	5.054	5.075	.0162	.1039	5.144	.0417	.0061

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0019	-.0014	.0071	.0093	.0029	.1000	.0103	.0533	.0055	.0107
Stddev	.0014	.0023	.0006	.0015	.0002	.0003	.0002	.0001	.0008	.0000
%RSD	75.59	159.5	8.534	16.40	7.288	.3431	1.687	.1641	13.73	.3535
#1	-.0029	.0002	.0075	.0103	.0027	.0998	.0101	.0534	.0060	.0107
#2	-.0009	-.0030	.0067	.0082	.0030	.1003	.0104	.0533	.0050	.0108

Elem	W_2397	Zn2062	Zr3391
Avg	.0033	.0207	.0003
Stddev	.0015	.0000	.0002
%RSD	43.79	.2075	82.52
#1	.0044	.0207	.0004
#2	.0023	.0208	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2280.6	73859.	7266.8
Stddev	1.2	106.	27.8
%RSD	.05218	.14400	.38217
#1	2279.8	73784.	7286.5
#2	2281.5	73935.	7247.2

Zoom In Zoom Out

Sample Name: CRIA Acquired: 9/4/2013 11:06:55 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0054	.2289	.0116	.0003	.1022	.0512	.0043	5.130	.0044	.0532
Stddev	.0005	.0117	.0009	.0001	.0009	.0002	.0001	.029	.0000	.0002
%RSD	9.309	5.114	7.511	45.71	.9079	.4261	2.591	.5568	1.002	.2824
#1	.0057	.2372	.0110	.0004	.1015	.0510	.0044	5.150	.0044	.0531
#2	.0050	.2207	.0122	.0002	.1028	.0514	.0043	5.110	.0044	.0533

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0103	.0253	.1066	5.055	5.095	.0157	.1025	5.185	.0410	.0104
Stddev	.0001	.0006	.0005	.054	.020	.0000	.0002	.043	.0003	.0000
%RSD	.7486	2.482	.4665	1.077	.3928	.1813	.2273	.8270	.6348	.1909
#1	.0104	.0249	.1063	5.094	5.109	.0158	.1024	5.215	.0408	.0104
#2	.0103	.0258	.1070	5.017	5.081	.0157	.1027	5.154	.0412	.0105

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0008	-.0026	.0103	.0106	.0043	.0993	.0102	.0527	.0109	.0107
Stddev	.0023	.0008	.0010	.0001	.0006	.0005	.0001	.0006	.0004	.0002
%RSD	287.9	32.82	10.13	.9339	13.84	.5005	.8854	1.200	3.249	1.684
#1	.0008	-.0020	.0111	.0107	.0039	.0996	.0101	.0522	.0106	.0106
#2	-.0024	-.0032	.0096	.0105	.0047	.0989	.0102	.0531	.0111	.0109

Elem	W_2397	Zn2062	Zr3391
Avg	-.0042	.0204	.0001
Stddev	.0018	.0001	.0003
%RSD	42.23	.5095	321.9
#1	-.0054	.0204	-.0001
#2	-.0029	.0205	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2286.9	73528.	7236.7
Stddev	.3	78.	138.1
%RSD	.01504	.10667	1.9083
#1	2287.2	73583.	7334.3
#2	2286.7	73472.	7139.0

Zoom In Zoom Out

Sample Name: ICSA Acquired: 9/4/2013 11:11:13 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0006	533.0	.0004	-.0003	.0026	-.0011	.0003	462.1	.0005	.0011
Stddev	.0004	.0	.0004	.0009	.0004	.0001	.0000	4.4	.0001	.0002
%RSD	60.12	.0019	79.43	313.5	15.75	5.320	.5373	.9478	14.07	18.03
#1	.0009	533.0	.0002	.0003	.0029	-.0012	.0003	465.1	.0005	.0012
#2	.0004	533.0	.0007	-.0009	.0023	-.0011	.0003	459.0	.0004	.0009

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0005	.0011	188.1	.0862	503.4	-.0002	-.0005	.0731	-.0017	.0003
Stddev	.0005	.0007	.6	.0254	.2	.0001	.0003	.0079	.0004	.0004
%RSD	98.16	60.48	.2974	29.42	.0393	58.84	59.75	10.80	21.93	142.9
#1	-.0008	.0016	187.7	.0683	503.3	-.0001	-.0003	.0787	-.0014	.0000
#2	-.0001	.0006	188.5	.1042	503.6	-.0003	-.0008	.0675	-.0020	.0006

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0508	-.0215	.0010	-.0016	.0457	.0007	.0013	.0086	-.0008	-.0003
Stddev	.0012	.0043	.0000	.0008	.0005	.0004	.0002	.0002	.0008	.0001
%RSD	2.445	19.82	4.604	49.10	1.172	53.16	17.36	2.493	95.30	46.20
#1	-.0499	-.0185	.0010	-.0010	.0453	.0010	.0011	.0084	-.0014	-.0002
#2	-.0517	-.0245	.0011	-.0021	.0461	.0005	.0014	.0087	-.0003	-.0003

Elem	W_2397	Zn2062	Zr3391
Avg	-.0372	-.0017	.0001
Stddev	.0006	.0002	.0000
%RSD	1.593	9.909	35.06
#1	-.0376	-.0016	.0001
#2	-.0368	-.0018	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2096.3	68385.	7099.5
Stddev	5.4	205.	41.0
%RSD	.25611	.30021	.57772
#1	2100.1	68530.	7070.5
#2	2092.5	68240.	7128.5

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 9/4/2013 11:15:33 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.061	539.1	2.036	.4972	.9981	.5196	.4804	464.5	1.038	.4834
Stddev	.002	.1	.000	.0006	.0038	.0004	.0007	4.5	.001	.0015
%RSD	.1887	.0134	.0126	.1172	.3785	.0830	.1470	.9734	.0928	.3012
#1	1.063	539.1	2.036	.4976	1.001	.5193	.4809	467.7	1.039	.4844
#2	1.060	539.2	2.036	.4967	.9954	.5199	.4799	461.3	1.037	.4824

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4901	.5135	191.7	.0576	510.1	.4927	.9619	.0794	.8796	.8941
Stddev	.0002	.0013	.2	.0118	1.6	.0007	.0025	.0095	.0021	.0035
%RSD	.0372	.2487	.0785	20.52	.3145	.1380	.2565	11.98	.2437	.3915
#1	.4902	.5144	191.6	.0492	508.9	.4922	.9636	.0862	.8811	.8966
#2	.4899	.5126	191.8	.0659	511.2	.4932	.9601	.0727	.8781	.8916

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.4809	.4714	2.072	2.023	2.124	.9720	1.000	.5080	1.894	.5021
Stddev	.0020	.0006	.003	.006	.002	.0021	.002	.0007	.001	.0016
%RSD	.4152	.1369	.1630	.3156	.0846	.2143	.1590	.1463	.0457	.3272
#1	.4823	.4709	2.075	2.027	2.126	.9734	.9990	.5075	1.895	.5010
#2	.4794	.4718	2.070	2.018	2.123	.9705	1.001	.5085	1.894	.5033

Elem	W_2397	Zn2062	Zr3391
Avg	1.888	.9128	.4253
Stddev	.009	.0030	.0039
%RSD	.4530	.3286	.9099
#1	1.894	.9149	.4226
#2	1.882	.9107	.4280

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2096.6	67999.	6888.7
Stddev	8.5	63.	5.2
%RSD	.40663	.09285	.07480
#1	2090.6	68044.	6892.4
#2	2102.6	67955.	6885.1

Zoom In Zoom Out

Sample Name: MC23938-3 Acquired: 9/4/2013 11:19:47 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	.0704	.0031	-.0016	.1471	.2506	.0002	91.69	.0004	.0014
Stddev	.0003	.0106	.0001	.0001	.0002	.0013	.0001	.73	.0001	.0001
%RSD	80.14	15.04	3.790	3.459	.1115	.5010	71.69	.8001	15.40	7.399
#1	.0002	.0779	.0032	-.0016	.1470	.2515	.0002	92.20	.0004	.0014
#2	.0006	.0629	.0031	-.0017	.1472	.2497	.0001	91.17	.0005	.0015

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0008	.0001	5.479	18.32	19.95	1.681	.0031	259.4	.0022	-.0006
Stddev	.0004	.0000	.014	.03	.08	.003	.0002	3.0	.0003	.0002
%RSD	54.43	60.47	.2465	.1642	.3987	.1460	7.989	1.151	14.08	41.74
#1	.0005	.0000	5.470	18.30	19.90	1.683	.0033	261.5	.0020	-.0004
#2	.0011	.0001	5.489	18.34	20.01	1.679	.0029	257.3	.0024	-.0007

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0100	.0055	.0025	-.0004	7.469	.0004	.7278	.0037	-.0008	.0007
Stddev	.0017	.0047	.0002	.0006	.006	.0005	.0060	.0001	.0011	.0001
%RSD	16.85	85.42	7.187	124.7	.0752	129.8	.8298	2.251	142.7	8.821
#1	-.0088	.0022	.0026	-.0008	7.473	.0007	.7321	.0037	.0000	.0008
#2	-.0112	.0088	.0023	-.0001	7.465	.0000	.7236	.0038	-.0015	.0007

Elem	W_2397	Zn2062	Zr3391
Avg	.0121	.0074	.0139
Stddev	.0012	.0000	.0003
%RSD	9.741	.1737	2.114
#1	.0129	.0074	.0141
#2	.0113	.0074	.0137

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2218.9	71858.	7323.2
Stddev	2.4	201.	41.6
%RSD	.10665	.28033	.56742
#1	2220.6	71716.	7293.9
#2	2217.2	72000.	7352.6

Zoom In Zoom Out

Sample Name: MC23938-5 Acquired: 9/4/2013 11:24:12 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	.0535	.0016	-.0025	.2248	.1168	.0001	69.38	.0004	.0007
Stddev	.0004	.0089	.0003	.0007	.0002	.0013	.0001	1.15	.0001	.0002
%RSD	628.4	16.64	18.24	27.73	.0993	1.125	105.7	1.657	17.12	27.78
#1	.0003	.0598	.0018	-.0020	.2250	.1159	.0000	68.57	.0004	.0008
#2	-.0002	.0472	.0014	-.0030	.2246	.1177	.0002	70.20	.0005	.0006

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0008	.0002	12.34	12.49	10.60	2.014	.0018	203.1	.0021	.0003
Stddev	.0001	.0005	.20	.13	.18	.089	.0000	3.2	.0001	.0001
%RSD	19.07	246.1	1.653	1.053	1.721	4.409	.9372	1.576	2.767	22.46
#1	.0007	-.0002	12.19	12.40	10.47	1.951	.0018	200.8	.0021	.0004
#2	.0009	.0006	12.48	12.58	10.73	2.077	.0018	205.3	.0020	.0003

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0065	.0099	.0014	.0000	11.36	.0003	.4221	.0017	-.0012	.0017
Stddev	.0008	.0024	.0003	.0013	.03	.0003	.0073	.0003	.0009	.0003
%RSD	12.78	24.39	25.32	501900.	.2780	94.08	1.734	20.70	76.49	15.43
#1	-.0071	.0082	.0016	.0009	11.38	.0001	.4169	.0014	-.0019	.0015
#2	-.0059	.0117	.0011	-.0009	11.34	.0005	.4273	.0019	-.0006	.0019

Elem	W_2397	Zn2062	Zr3391
Avg	.0051	.0075	.0040
Stddev	.0050	.0001	.0001
%RSD	98.60	.9137	3.516
#1	.0086	.0076	.0039
#2	.0015	.0075	.0041

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2244.6	74649.	7061.7
Stddev	4.1	2831.	84.3
%RSD	.18174	3.7918	1.1944
#1	2241.7	76651.	7121.4
#2	2247.4	72648.	7002.1

Zoom In Zoom Out

Sample Name: MC23938-7F Acquired: 9/4/2013 11:28:31 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	.0103	.0094	-.0049	.1526	.2111	.0001	59.86	.0014	.0237
Stddev	.0007	.0053	.0002	.0006	.0004	.0002	.0001	.34	.0001	.0002
%RSD	212.8	51.87	2.019	13.34	.2726	.0772	133.6	.5727	5.180	.8438
#1	.0008	.0065	.0095	-.0053	.1523	.2112	.0002	60.10	.0013	.0236
#2	-.0002	.0141	.0092	-.0044	.1529	.2110	.0000	59.61	.0014	.0239

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0006	-.0001	11.91	15.07	17.72	4.908	.0025	154.8	.0104	.0001
Stddev	.0002	.0002	.03	.07	.02	.020	.0000	.7	.0001	.0004
%RSD	34.90	190.5	.2581	.4969	.0941	.4068	.4368	.4518	1.167	377.5
#1	.0005	-.0002	11.88	15.02	17.73	4.922	.0025	155.3	.0103	.0004
#2	.0008	.0000	11.93	15.12	17.71	4.894	.0025	154.3	.0105	-.0002

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0081	.0222	.0010	.0007	7.259	-.0001	.6634	.0009	-.0017	.0006
Stddev	.0007	.0019	.0005	.0011	.002	.0001	.0041	.0002	.0010	.0000
%RSD	8.137	8.584	44.59	167.8	.0226	69.06	.6196	25.49	62.14	3.420
#1	-.0085	.0235	.0014	-.0001	7.260	-.0001	.6663	.0011	-.0024	.0006
#2	-.0076	.0208	.0007	.0015	7.258	-.0002	.6605	.0007	-.0009	.0006

Elem	W_2397	Zn2062	Zr3391
Avg	.0067	.0207	.0008
Stddev	.0031	.0001	.0000
%RSD	46.42	.4675	3.264
#1	.0045	.0207	.0008
#2	.0088	.0208	.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2260.2	72508.	7090.2
Stddev	.9	60.	52.2
%RSD	.03775	.08250	.73658
#1	2259.6	72465.	7053.2
#2	2260.8	72550.	7127.1

Zoom In Zoom Out

Sample Name: MC23943-1 Acquired: 9/4/2013 11:32:55 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0288	.0010	-.0006	.0338	.1233	.0001	218.5	.0002	.0000
Stddev	.0004	.0191	.0013	.0010	.0001	.0001	.0000	.4	.0000	.000
%RSD	188.3	66.25	132.7	158.8	.1977	.0833	14.42	.2053	4.758	1268.
#1	-.0001	.0423	.0001	.0001	.0338	.1234	.0001	218.8	.0003	.0001
#2	.0005	.0153	.0018	-.0013	.0337	.1233	.0001	218.2	.0002	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0011	.0022	.0731	1.882	77.48	.0416	.0011	32.70	.0005	-.0001
Stddev	.0003	.0002	.0013	.010	.08	.0003	.0000	.02	.0002	.0002
%RSD	22.98	7.394	1.715	.5170	.1089	.6561	.9557	.0633	37.28	178.9
#1	.0013	.0023	.0739	1.889	77.42	.0414	.0010	32.68	.0006	-.0002
#2	.0009	.0021	.0722	1.875	77.54	.0418	.0011	32.71	.0004	.0000

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0183	.0019	.0011	-.0001	5.912	-.0003	1.448	.0021	-.0013	.0007
Stddev	.0019	.0009	.0000	.0006	.008	.0001	.002	.0003	.0009	.0000
%RSD	10.51	48.22	.4892	677.6	.1278	35.14	.1179	16.54	72.57	2.199
#1	-.0170	.0025	.0011	-.0005	5.917	-.0004	1.447	.0024	-.0006	.0008
#2	-.0197	.0013	.0011	.0003	5.907	-.0003	1.449	.0019	-.0019	.0007

Elem	W_2397	Zn2062	Zr3391
Avg	.0005	.0313	.0046
Stddev	.0016	.0000	.0001
%RSD	283.3	.0423	2.039
#1	-.0006	.0313	.0047
#2	.0017	.0313	.0045

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2227.6	72122.	7002.3
Stddev	1.4	397.	40.1
%RSD	.06153	.55103	.57220
#1	2226.6	71841.	6974.0
#2	2228.5	72403.	7030.6

Zoom In Zoom Out

Sample Name: MC23954-7 Acquired: 9/4/2013 11:37:15 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.2168	.0012	.0004	.0766	.0295	.0001	77.04	.0005	-.0001
Stddev	.0001	.0204	.0001	.0005	.0003	.0004	.0000	.38	.0001	.0000
%RSD	38.34	9.429	5.045	113.8	.4325	1.400	32.84	.4948	22.99	23.29
#1	.0001	.2023	.0013	.0001	.0763	.0298	.0002	77.31	.0005	-.0001
#2	.0002	.2312	.0012	.0008	.0768	.0292	.0001	76.77	.0006	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0021	.0038	.2088	10.46	17.62	.0212	.0050	148.3	.0006	.0003
Stddev	.0003	.0007	.0023	.02	.10	.0003	.0000	1.0	.0001	.0002
%RSD	15.33	18.57	1.110	.1855	.5908	1.230	.2237	.6853	16.76	56.43
#1	.0024	.0043	.2104	10.47	17.55	.0213	.0050	149.0	.0005	.0004
#2	.0019	.0033	.2071	10.45	17.70	.0210	.0050	147.6	.0006	.0002

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0059	.0005	.0030	.0046	6.802	-.0003	.1448	.0122	-.0009	.0136
Stddev	.0003	.0023	.0001	.0011	.006	.0002	.0001	.0005	.0001	.0001
%RSD	4.849	482.8	3.039	23.37	.0961	60.83	.1014	4.428	14.42	.9204
#1	-.0057	-.0012	.0029	.0039	6.807	-.0001	.1447	.0126	-.0008	.0137
#2	-.0061	.0021	.0031	.0054	6.798	-.0004	.1449	.0118	-.0010	.0135

Elem	W_2397	Zn2062	Zr3391
Avg	.0055	.0203	.0004
Stddev	.0047	.0001	.0000
%RSD	86.40	.6109	8.346
#1	.0021	.0202	.0004
#2	.0088	.0204	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2294.8	72665.	7180.4
Stddev	4.2	100.	10.7
%RSD	.18316	.13708	.14957
#1	2291.8	72736.	7188.0
#2	2297.8	72595.	7172.8

Zoom In Zoom Out

Sample Name: MC23954-8 Acquired: 9/4/2013 11:41:33 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	.0781	.0015	-.0006	.0736	.0758	.0001	83.12	.0002	-.0002
Stddev	.0002	.0213	.0008	.0003	.0000	.0008	.0000	.99	.0002	.0001
%RSD	58.02	27.30	55.96	47.41	.0249	1.037	37.20	1.193	62.72	47.32
#1	.0002	.0630	.0021	-.0004	.0736	.0764	.0001	83.82	.0003	-.0001
#2	.0005	.0932	.0009	-.0008	.0736	.0753	.0000	82.42	.0001	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0024	-.0002	.0675	3.614	19.80	.0739	.0010	114.3	.0000	.0002
Stddev	.0002	.0002	.0024	.015	.05	.0002	.0002	1.6	.000	.0002
%RSD	6.417	70.34	3.534	.4180	.2466	.3208	16.90	1.387	767.4	150.3
#1	.0022	-.0004	.0658	3.603	19.76	.0741	.0011	115.4	.0001	.0000
#2	.0025	-.0001	.0692	3.624	19.83	.0737	.0009	113.2	-.0002	.0003

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0074	-.0001	.0007	.0040	3.735	-.0005	.2224	.0049	-.0018	.0011
Stddev	.0001	.0048	.0003	.0001	.000	.0001	.0033	.0009	.0006	.0001
%RSD	.9030	3317.	39.04	2.962	.0063	23.02	1.476	17.95	33.82	4.433
#1	-.0074	.0032	.0005	.0040	3.735	-.0006	.2247	.0042	-.0022	.0012
#2	-.0073	-.0035	.0009	.0041	3.735	-.0004	.2201	.0055	-.0014	.0011

Elem	W_2397	Zn2062	Zr3391
Avg	.0057	.0098	.0006
Stddev	.0023	.0001	.0001
%RSD	39.54	1.396	18.44
#1	.0041	.0097	.0005
#2	.0073	.0099	.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2304.9	71872.	7332.8
Stddev	5.2	476.	25.1
%RSD	.22703	.66170	.34203
#1	2301.2	71536.	7350.5
#2	2308.6	72208.	7315.1

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/4/2013 11:45:53 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2555	9.816	1.924	-.0024	1.955	1.968	2.057	10.01	1.970	2.021
Stddev	.0012	.050	.004	.0001	.003	.017	.017	.05	.001	.000
%RSD	.4870	.5079	.2252	2.314	.1276	.8497	.8347	.4560	.0376	.0202
#1	.2564	9.851	1.927	-.0025	1.953	1.980	2.069	10.04	1.969	2.021
#2	.2546	9.781	1.921	-.0024	1.957	1.956	2.045	9.980	1.970	2.021

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.011	2.034	9.989	9.918	9.600	2.090	1.924	10.60	1.864	1.886
Stddev	.001	.000	.043	.119	.077	.000	.002	.05	.001	.000
%RSD	.0296	.0037	.4323	1.201	.8040	.0173	.1235	.5180	.0331	.0157
#1	2.011	2.034	10.02	10.00	9.655	2.091	1.922	10.63	1.864	1.886
#2	2.010	2.034	9.958	9.834	9.546	2.090	1.925	10.56	1.865	1.887

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0013	.0068	1.908	1.887	.0431	1.998	2.056	1.993	1.952	2.040
Stddev	.0023	.0073	.000	.001	.0009	.002	.018	.001	.001	.000
%RSD	183.7	106.6	.0032	.0288	2.198	.1042	.8787	.0707	.0711	.0038
#1	-.0029	.0017	1.908	1.887	.0438	1.999	2.069	1.992	1.951	2.040
#2	.0004	.0120	1.908	1.887	.0424	1.996	2.043	1.994	1.953	2.040

Elem	W_2397	Zn2062	Zr3391
Avg	-.0113	1.937	.0058
Stddev	.0060	.001	.0024
%RSD	52.77	.0640	41.12
#1	-.0071	1.938	.0075
#2	-.0155	1.936	.0041

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2359.4	73026.	7155.5
Stddev	2.0	269.	.1
%RSD	.08560	.36899	.00137
#1	2360.8	72836.	7155.5
#2	2357.9	73217.	7155.6

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/4/2013 11:50:04 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	.0175	.0005	.0008	.0018	.0001	.0003	-.0068	.0004	.0001
Stddev	.0000	.0049	.0005	.0003	.0006	.0003	.0000	.0019	.0001	.0002
%RSD	17.65	27.82	93.09	41.31	30.12	292.4	5.228	27.15	21.00	330.0
#1	-.0003	.0141	.0002	.0011	.0022	.0003	.0003	-.0055	.0003	-.0001
#2	-.0002	.0210	.0008	.0006	.0014	-.0001	.0003	-.0082	.0004	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0004	-.0013	.0007	.0409	-.0072	.0003	.0025	.0606	.0002	.0013
Stddev	.0003	.0003	.0023	.0658	.0283	.0002	.0007	.0002	.0001	.0003
%RSD	64.59	25.55	347.8	160.9	391.0	77.75	27.49	.3387	37.90	24.38
#1	.0006	-.0016	-.0010	.0874	.0128	.0001	.0030	.0604	.0002	.0016
#2	.0002	-.0011	.0023	-.0056	-.0273	.0005	.0020	.0607	.0003	.0011

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0032	.0052	.0007	-.0005	-.0050	.0001	.0004	.0006	.0016	.0002
Stddev	.0015	.0002	.0003	.0003	.0003	.0000	.0002	.0001	.0004	.0003
%RSD	47.89	4.733	42.28	66.47	5.357	28.03	37.91	15.23	26.44	141.2
#1	-.0043	.0051	.0005	-.0002	-.0052	.0002	.0005	.0006	.0013	.0004
#2	-.0021	.0054	.0009	-.0007	-.0048	.0001	.0003	.0007	.0019	.0000

Elem	W_2397	Zn2062	Zr3391
Avg	.0001	-.0005	.0000
Stddev	.0017	.0001	.000
%RSD	1294.	12.15	373.8
#1	-.0011	-.0005	-.0001
#2	.0013	-.0006	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2368.5	73089.	7083.1
Stddev	1.8	228.	23.4
%RSD	.07793	.31157	.33094
#1	2369.8	72928.	7099.7
#2	2367.2	73250.	7066.6

Zoom In Zoom Out

Sample Name: MC23894-1 Acquired: 9/4/2013 11:54:27 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	55.52	.0566	.0009	.0625	.3974	.0047	420.2	.0025	.0482
Stddev	.0005	.17	.0004	.0004	.0002	.0004	.0000	.6	.0002	.0001
%RSD	2331.	.3114	.6207	42.51	.3871	.1089	.8433	.1315	7.686	.2822
#1	.0004	55.64	.0568	.0006	.0626	.3977	.0047	419.8	.0026	.0483
#2	-.0004	55.39	.0563	.0011	.0623	.3971	.0047	420.6	.0024	.0481

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0911	.1806	136.0	11.77	170.3	3.579	.0233	.7955	.1624	.0704
Stddev	.0003	.0010	.0	.04	.7	.029	.0000	.0062	.0003	.0004
%RSD	.3243	.5579	.0259	.3616	.3931	.7987	.0853	.7815	.1547	.5350
#1	.0913	.1813	136.1	11.74	169.8	3.600	.0233	.7911	.1622	.0706
#2	.0909	.1798	136.0	11.80	170.7	3.559	.0233	.7999	.1626	.0701

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0327	.0142	.0010	.0000	3.818	.0030	.2750	2.117	.0000	.1984
Stddev	.0016	.0020	.0003	.000	.005	.0003	.0000	.000	.0004	.0017
%RSD	4.958	14.00	32.34	456.2	.1412	9.917	.0060	.0143	960.6	.8503
#1	-.0338	.0128	.0013	.0001	3.814	.0032	.2750	2.117	-.0002	.1996
#2	-.0315	.0156	.0008	-.0001	3.822	.0027	.2750	2.117	.0003	.1972

Elem	W_2397	Zn2062	Zr3391
Avg	-.0060	.4675	.0586
Stddev	.0014	.0007	.0002
%RSD	23.65	.1554	.3726
#1	-.0070	.4680	.0588
#2	-.0050	.4670	.0585

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2468.6	78071.	7888.6
Stddev	2.2	29.	74.5
%RSD	.08817	.03770	.94503
#1	2470.1	78092.	7941.3
#2	2467.1	78050.	7835.8

Zoom In Zoom Out

Sample Name: MC23894-3 Acquired: 9/4/2013 11:58:54 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0001	47.81	.0418	-.0002	.0792	.3040	.0026	F854.0
Stddev	.0001	.12	.0009	.0012	.0001	.0012	.0002	.4
%RSD	82.74	.2459	2.161	584.2	.1239	.3790	6.300	.0434
#1	.0000	47.89	.0425	.0006	.0793	.3048	.0025	854.2
#2	-.0002	47.73	.0412	-.0010	.0791	.3032	.0027	853.7

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0020	.0408	.0832	.1157	98.73	12.92	292.2	2.970
Stddev	.0002	.0001	.0007	.0017	.51	.02	1.8	.012
%RSD	7.597	.1472	.8502	1.437	.5197	.1197	.6188	.4138
#1	.0019	.0408	.0837	.1169	99.09	12.93	293.5	2.979
#2	.0021	.0407	.0827	.1146	98.37	12.91	290.9	2.961

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0122	1.726	.1071	.0496	F-.0584	.0109	-.0007	-.0001
Stddev	.0002	.013	.0002	.0009	.0007	.0049	.0002	.0006
%RSD	1.298	.7429	.1510	1.810	1.172	45.16	29.34	720.0
#1	.0121	1.717	.1072	.0502	-.0589	.0074	-.0008	.0003
#2	.0123	1.735	.1070	.0490	-.0579	.0144	-.0006	-.0005

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	3.929	.0026	.8965	1.441	.0006	.1395	-.0047	.3076
Stddev	.008	.0003	.0031	.003	.0010	.0017	.0057	.0007
%RSD	.2108	12.92	.3432	.2001	164.4	1.220	123.1	.2397
#1	3.935	.0023	.8987	1.443	.0013	.1408	-.0006	.3082
#2	3.923	.0028	.8943	1.439	-.0001	.1383	-.0087	.3071

Elem	Zr3391
Avg	.0596
Stddev	.0004
%RSD	.7513
#1	.0599
#2	.0593

Zoom In Zoom Out

Sample Name: MC23894-3 Acquired: 9/4/2013 11:58:54 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2319.7	73257.	7408.3
Stddev	7.2	485.	80.2
%RSD	.31017	.66166	1.0819
#1	2314.6	72914.	7351.6
#2	2324.8	73600.	7465.0

Zoom In Zoom Out

Sample Name: MC23894-4 Acquired: 9/4/2013 12:03:19 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0000	49.44	.0269	.0003	.0889	.3150	.0028	F998.8
Stddev	.000	.24	.0001	.0002	.0010	.0009	.0001	10.3
%RSD	135.2	.4785	.4292	82.19	1.109	.2815	2.482	1.028
#1	-.0001	49.61	.0268	.0001	.0882	.3157	.0028	1006.
#2	.0000	49.28	.0270	.0004	.0896	.3144	.0029	991.6

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0012	.0402	.0898	.1089	89.60	13.60	322.4	2.909
Stddev	.0001	.0001	.0005	.0000	.57	.13	1.4	.009
%RSD	6.684	.3063	.5363	.0091	.6382	.9345	.4465	.3155
#1	.0011	.0401	.0901	.1089	90.00	13.69	323.4	2.902
#2	.0012	.0403	.0894	.1089	89.20	13.51	321.4	2.915

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0123	1.617	.1022	.0483	F-.0683	.0144	.0001	.0000
Stddev	.0000	.017	.0003	.0001	.0010	.0028	.0006	.000
%RSD	.0039	1.072	.2745	.1568	1.483	19.25	527.3	513.9
#1	.0123	1.630	.1020	.0482	-.0690	.0125	-.0003	.0001
#2	.0123	1.605	.1024	.0483	-.0676	.0164	.0006	-.0001

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	3.399	.0017	1.009	1.663	.0002	.1344	-.0038	.2075
Stddev	.001	.0002	.005	.001	.0001	.0000	.0041	.0002
%RSD	.0196	9.614	.4611	.0363	47.13	.0298	107.8	.1124
#1	3.399	.0016	1.012	1.664	.0001	.1344	-.0009	.2077
#2	3.398	.0019	1.005	1.663	.0002	.1344	-.0067	.2073

Elem	Zr3391
Avg	.0650
Stddev	.0005
%RSD	.8409
#1	.0646
#2	.0653

Zoom In Zoom Out

Sample Name: MC23894-4 Acquired: 9/4/2013 12:03:19 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2301.5	72804.	7491.0
Stddev	.4	292.	66.2
%RSD	.01781	.40069	.88415
#1	2301.8	73010.	7444.2
#2	2301.2	72598.	7537.8

Zoom In Zoom Out

Sample Name: MC23894-5 Acquired: 9/4/2013 12:07:45 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	132.4	.0732	.0007	.0746	.7263	.0063	252.5	.0031	.0687
Stddev	.0003	.6	.0005	.0010	.0002	.0049	.0002	.8	.0001	.0005
%RSD	89.67	.4614	.6244	140.5	.2187	.6814	3.944	.3348	3.494	.6990
#1	-.0001	132.8	.0735	.0014	.0747	.7298	.0064	253.1	.0030	.0683
#2	-.0005	132.0	.0729	.0000	.0744	.7228	.0061	251.9	.0032	.0690

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1741	.3673	181.7	15.05	112.7	3.409	.0137	1.771	.1853	.1614
Stddev	.0028	.0007	.6	.02	.4	.005	.0002	.004	.0001	.0004
%RSD	1.581	.2033	.3475	.1489	.3791	.1396	1.127	.2007	.0730	.2727
#1	.1760	.3679	182.1	15.04	113.0	3.413	.0136	1.773	.1854	.1611
#2	.1721	.3668	181.3	15.07	112.4	3.406	.0138	1.768	.1852	.1618

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0200	.0069	.0007	.0010	4.310	.0114	.3008	2.129	-.0002	.3022
Stddev	.0005	.0044	.0002	.0004	.000	.0002	.0013	.010	.0002	.0048
%RSD	2.434	63.09	32.22	37.25	.0041	1.899	.4444	.4678	75.32	1.577
#1	-.0203	.0038	.0005	.0008	4.310	.0116	.3018	2.136	-.0003	.3056
#2	-.0196	.0100	.0008	.0013	4.310	.0113	.2999	2.122	-.0001	.2989

Elem	W_2397	Zn2062	Zr3391
Avg	-.0121	.6681	.0737
Stddev	.0052	.0022	.0018
%RSD	43.11	.3247	2.415
#1	-.0158	.6697	.0750
#2	-.0084	.6666	.0724

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2549.0	79498.	8006.9
Stddev	2.1	255.	6.8
%RSD	.08315	.32068	.08492
#1	2547.5	79318.	8011.7
#2	2550.5	79679.	8002.1

Zoom In Zoom Out

Sample Name: MC23894-6 Acquired: 9/4/2013 12:12:06 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0002	37.60	.0400	.0003	.0569	.3842	.0023	F650.7	.0015
Stddev	.0002	.08	.0007	.0013	.0004	.0024	.0001	7.9	.0002
%RSD	138.4	.2039	1.768	447.9	.6762	.6134	2.276	1.216	10.16
#1	.0003	37.65	.0405	.0012	.0566	.3858	.0023	645.1	.0016
#2	.0000	37.54	.0395	-.0006	.0572	.3825	.0022	656.3	.0014

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0368	.0714	.0977	89.89	9.012	222.4	2.415	.0158	1.185
Stddev	.0005	.0011	.0011	.14	.039	.4	.002	.0001	.009
%RSD	1.404	1.531	1.161	.1574	.4325	.1866	.0938	.7660	.7177
#1	.0365	.0706	.0969	89.79	8.984	222.1	2.414	.0157	1.191
#2	.0372	.0722	.0985	89.99	9.039	222.7	2.417	.0158	1.179

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0941	.0414	-.0458	.0085	-.0002	-.0006	3.318	.0020	.6020
Stddev	.0003	.0003	.0000	.0019	.0017	.0012	.010	.0001	.0005
%RSD	.2872	.7679	.0153	21.88	708.3	197.7	.2945	5.378	.0779
#1	.0939	.0412	-.0458	.0072	.0009	-.0015	3.325	.0020	.6023
#2	.0943	.0416	-.0458	.0098	-.0014	.0002	3.311	.0019	.6016

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.321	.0010	.1075	-.0085	.2575	.0582
Stddev	.000	.0004	.0015	.0005	.0001	.0009
%RSD	.0040	39.34	1.351	5.908	.0566	1.589
#1	1.321	.0012	.1064	-.0082	.2576	.0575
#2	1.321	.0007	.1085	-.0089	.2574	.0589

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2323.2	73648.	7505.6
Stddev	1.5	261.	41.9
%RSD	.06254	.35480	.55764
#1	2324.3	73833.	7535.2
#2	2322.2	73463.	7476.0

Zoom In Zoom Out

Sample Name: MC23894-7 Acquired: 9/4/2013 12:16:27 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0003	72.44	.1172	-.0027	.0478	.5373	.0044	F733.6
Stddev	.0001	.14	.0002	.0019	.0007	.0009	.0001	8.5
%RSD	35.93	.1940	.1807	70.39	1.388	.1649	1.315	1.155
#1	.0002	72.54	.1173	-.0013	.0474	.5380	.0044	739.6
#2	.0004	72.35	.1170	-.0040	.0483	.5367	.0043	727.6

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0043	.0525	.1084	.1842	133.8	8.918	138.2	6.339
Stddev	.0000	.0006	.0004	.0006	.3	.034	.2	.026
%RSD	.9403	1.072	.3739	.3295	.2241	.3838	.1283	.4076
#1	.0044	.0521	.1082	.1838	134.0	8.942	138.3	6.321
#2	.0043	.0529	.1087	.1846	133.5	8.894	138.1	6.357

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0154	1.038	.1179	.1672	F-.0516	.0228	.0002	-.0012
Stddev	.0000	.006	.0009	.0000	.0007	.0042	.0000	.0014
%RSD	.3048	.6008	.7679	.0104	1.275	18.40	8.351	109.9
#1	.0153	1.042	.1173	.1671	-.0521	.0257	.0002	-.0022
#2	.0154	1.033	.1186	.1672	-.0512	.0198	.0002	-.0003

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	5.181	.0213	.3936	1.410	-.0004	.1930	-.0066	.4928
Stddev	.018	.0001	.0008	.002	.0000	.0008	.0016	.0021
%RSD	.3412	.3530	.2051	.1243	1.912	.4377	24.06	.4268
#1	5.168	.0214	.3942	1.409	-.0004	.1924	-.0078	.4913
#2	5.193	.0213	.3930	1.412	-.0004	.1936	-.0055	.4943

Elem	Zr3391
Avg	.0666
Stddev	.0003
%RSD	.4585
#1	.0664
#2	.0668

Zoom In Zoom Out

Sample Name: MC23894-7 Acquired: 9/4/2013 12:16:27 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2689.7	83850.	8627.2
Stddev	3.9	229.	.9
%RSD	.14461	.27325	.01047
#1	2692.4	84012.	8626.5
#2	2686.9	83688.	8627.8

Zoom In Zoom Out

Sample Name: MC23894-8 Acquired: 9/4/2013 12:20:53 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0000	22.79	.0274	-.0003	.0340	.1249	.0014	F551.8	.0008
Stddev	.0001	.01	.0010	.0014	.0004	.0001	.0001	1.1	.0000
%RSD	424.3	.0597	3.729	452.0	1.274	.1166	4.559	.2010	3.524
#1	-.0001	22.78	.0267	.0007	.0337	.1248	.0014	551.0	.0008
#2	.0001	22.80	.0282	-.0013	.0343	.1250	.0014	552.5	.0007

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0219	.0559	.0469	48.27	3.893	171.1	1.777	.0097	1.274
Stddev	.0000	.0006	.0002	.07	.010	.2	.007	.0000	.000
%RSD	.1309	1.108	.4841	.1440	.2639	.0967	.3849	.1873	.0007
#1	.0219	.0563	.0471	48.22	3.885	171.0	1.772	.0097	1.274
#2	.0219	.0554	.0467	48.32	3.900	171.2	1.782	.0097	1.274

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0618	.0281	-.0431	.0047	.0006	.0004	1.518	.0018	.4065
Stddev	.0002	.0005	.0012	.0073	.0002	.0012	.002	.0004	.0007
%RSD	.2526	1.632	2.775	154.2	41.08	324.4	.1326	21.78	.1791
#1	.0619	.0284	-.0439	.0099	.0007	-.0005	1.517	.0021	.4059
#2	.0617	.0278	-.0422	-.0004	.0004	.0012	1.519	.0015	.4070

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.8945	.0002	.0719	-.0022	.1487	.0265
Stddev	.0003	.0000	.0011	.0013	.0006	.0001
%RSD	.0344	14.26	1.546	56.60	.3794	.3655
#1	.8943	.0002	.0727	-.0031	.1483	.0265
#2	.8947	.0002	.0711	-.0013	.1491	.0264

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2307.2	72381.	7338.7
Stddev	5.8	703.	18.3
%RSD	.25064	.97174	.24885
#1	2311.3	72879.	7325.8
#2	2303.1	71884.	7351.6

Zoom In Zoom Out

Sample Name: MC23894-9 Acquired: 9/4/2013 12:25:14 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	58.28	.0427	-.0016	.0436	.3603	.0033	365.0	.0024	.0459
Stddev	.0005	.18	.0010	.0010	.0007	.0001	.0001	1.2	.0001	.0001
%RSD	1786.	.3004	2.368	61.82	1.563	.0202	2.797	.3361	6.027	.2852
#1	.0004	58.40	.0434	-.0009	.0440	.3604	.0034	365.9	.0023	.0458
#2	-.0003	58.15	.0420	-.0022	.0431	.3603	.0033	364.2	.0025	.0460

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0957	.1017	105.5	7.233	173.7	3.771	.0079	1.004	.1036	.0681
Stddev	.0006	.0000	.3	.029	.6	.002	.0001	.012	.0003	.0004
%RSD	.6029	.0053	.2685	.4030	.3204	.0551	1.684	1.193	.2485	.6548
#1	.0953	.1017	105.7	7.254	174.1	3.769	.0080	1.013	.1038	.0684
#2	.0961	.1017	105.3	7.212	173.3	3.772	.0078	.9958	.1034	.0678

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0314	.0158	.0010	.0013	3.192	.0023	.2430	1.476	.0003	.1662
Stddev	.0003	.0006	.0006	.0006	.003	.0001	.0001	.000	.0008	.0024
%RSD	1.070	4.021	60.51	48.55	.0984	3.760	.0477	.0009	316.1	1.449
#1	-.0316	.0154	.0015	.0008	3.189	.0024	.2431	1.476	.0009	.1645
#2	-.0311	.0163	.0006	.0017	3.194	.0022	.2429	1.476	-.0003	.1679

Elem	W_2397	Zn2062	Zr3391
Avg	-.0072	.3297	.0230
Stddev	.0026	.0006	.0002
%RSD	35.90	.1952	.6787
#1	-.0090	.3301	.0229
#2	-.0053	.3292	.0231

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2449.7	76814.	7755.2
Stddev	5.2	162.	10.8
%RSD	.21149	.21084	.13882
#1	2446.1	76928.	7747.6
#2	2453.4	76699.	7762.8

Zoom In Zoom Out

Sample Name: MC23948-3 Acquired: 9/4/2013 12:29:42 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	129.2	.1024	-.0013	.0136	2.865	.0055	21.22	.0014	.1616
Stddev	.0000	.0	.0019	.0016	.0002	.003	.0001	.01	.0002	.0002
%RSD	16.86	.0117	1.882	120.1	1.416	.1047	1.618	.0619	16.39	.1129
#1	.0002	129.1	.1010	-.0002	.0135	2.863	.0056	21.21	.0016	.1618
#2	.0002	129.2	.1038	-.0025	.0138	2.867	.0055	21.23	.0013	.1615

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1975	.1012	265.7	16.37	46.69	4.825	.0117	1.958	.2890	.1380
Stddev	.0006	.0007	.3	.05	.10	.009	.0001	.020	.0005	.0002
%RSD	.3132	.6879	.1024	.2813	.2170	.1829	.8836	1.014	.1810	.1708
#1	.1979	.1017	265.5	16.34	46.76	4.819	.0117	1.944	.2887	.1378
#2	.1971	.1007	265.9	16.40	46.62	4.832	.0118	1.972	.2894	.1381

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0051	.0096	.0015	.0032	2.125	.0055	.1574	.3792	-.0014	.1895
Stddev	.0004	.0052	.0008	.0008	.000	.0005	.0004	.0002	.0009	.0020
%RSD	7.712	54.33	53.91	23.42	.0169	9.602	.2443	.0434	67.10	1.072
#1	-.0054	.0133	.0010	.0038	2.125	.0051	.1571	.3791	-.0007	.1910
#2	-.0048	.0059	.0021	.0027	2.125	.0059	.1576	.3794	-.0021	.1881

Elem	W_2397	Zn2062	Zr3391
Avg	-.0122	.5009	.0815
Stddev	.0038	.0003	.0003
%RSD	31.26	.0606	.4168
#1	-.0149	.5007	.0813
#2	-.0095	.5011	.0818

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2571.0	80046.	8109.1
Stddev	6.6	641.	30.3
%RSD	.25753	.80074	.37340
#1	2575.6	80499.	8130.5
#2	2566.3	79593.	8087.7

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/4/2013 12:34:03 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2566	9.948	1.939	-.0020	1.965	1.971	2.059	10.05	1.975	2.036
Stddev	.0003	.004	.014	.0009	.013	.009	.013	.05	.015	.016
%RSD	.1071	.0357	.7317	42.62	.6635	.4296	.6265	.5409	.7592	.7838
#1	.2564	9.951	1.949	-.0026	1.975	1.965	2.050	10.01	1.986	2.047
#2	.2568	9.946	1.929	-.0014	1.956	1.977	2.068	10.09	1.965	2.024

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.022	2.025	9.984	9.904	9.617	2.099	1.941	10.49	1.884	1.903
Stddev	.005	.002	.011	.041	.070	.006	.013	.08	.014	.015
%RSD	.2480	.1081	.1099	.4144	.7236	.2995	.6635	.7400	.7541	.8112
#1	2.026	2.024	9.992	9.875	9.567	2.104	1.951	10.44	1.894	1.913
#2	2.019	2.027	9.976	9.933	9.666	2.095	1.932	10.55	1.874	1.892

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0027	.0057	1.920	1.917	.0431	2.006	2.036	2.004	1.966	2.047
Stddev	.0010	.0017	.014	.013	.0013	.012	.009	.004	.015	.004
%RSD	36.47	30.58	.7008	.6782	3.079	.5966	.4432	.1965	.7509	.1912
#1	-.0034	.0069	1.929	1.926	.0441	2.014	2.030	2.007	1.977	2.050
#2	-.0020	.0044	1.910	1.907	.0422	1.997	2.042	2.001	1.956	2.045

Elem	W_2397	Zn2062	Zr3391
Avg	-.0113	1.954	.0061
Stddev	.0008	.015	.0016
%RSD	6.959	.7704	26.10
#1	-.0108	1.964	.0073
#2	-.0119	1.943	.0050

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2353.7	72313.	7172.2
Stddev	21.1	749.	32.7
%RSD	.89456	1.0354	.45561
#1	2338.8	71784.	7195.3
#2	2368.6	72842.	7149.1

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/4/2013 12:38:14 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0132	.0011	.0003	.0020	.0002	.0002	-.0094	.0003	.0001
Stddev	.0002	.0012	.0002	.0008	.0002	.0002	.0000	.0025	.0001	.0002
%RSD	96.43	9.357	15.28	286.0	10.80	109.8	13.19	27.08	39.43	118.6
#1	.0001	.0123	.0013	.0009	.0022	.0003	.0002	-.0076	.0002	.0000
#2	.0004	.0141	.0010	-.0003	.0019	.0000	.0002	-.0112	.0004	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0005	-.0011	.0056	.0459	-.0054	.0002	.0027	.0070	.0003	.0006
Stddev	.0003	.0005	.0002	.0076	.0220	.0001	.0007	.0129	.0001	.0002
%RSD	52.99	45.71	3.543	16.57	408.7	42.41	25.09	185.1	37.86	40.15
#1	.0007	-.0014	.0058	.0405	.0102	.0002	.0031	-.0022	.0002	.0004
#2	.0003	-.0007	.0055	.0512	-.0209	.0001	.0022	.0161	.0004	.0007

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0015	-.0005	.0005	.0005	-.0025	.0000	.0002	.0004	.0012	.0004
Stddev	.0010	.0022	.0002	.0001	.0005	.000	.0000	.0000	.0000	.0005
%RSD	71.47	420.4	33.83	27.24	21.85	547.3	11.53	2.852	3.931	111.7
#1	-.0022	-.0021	.0004	.0006	-.0029	.0001	.0002	.0004	.0012	.0008
#2	-.0007	.0010	.0007	.0004	-.0021	-.0001	.0002	.0005	.0013	.0001

Elem	W_2397	Zn2062	Zr3391
Avg	.0015	-.0005	.0001
Stddev	.0009	.0001	.0001
%RSD	61.37	19.54	222.7
#1	.0021	-.0006	.0002
#2	.0008	-.0005	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2390.8	74139.	7249.1
Stddev	4.1	478.	13.7
%RSD	.17232	.64432	.18875
#1	2387.8	73802.	7258.7
#2	2393.7	74477.	7239.4

Zoom In Zoom Out

Sample Name: CRI Acquired: 9/4/2013 12:42:38 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0056	.2212	.0049	-.0011	.1032	.0519	.0046	5.125	.0044	.0530
Stddev	.0006	.0021	.0001	.0007	.0001	.0008	.0001	.013	.0000	.0001
%RSD	10.92	.9633	2.606	70.30	.0521	1.573	2.443	.2567	.2587	.1989
#1	.0052	.2197	.0050	-.0005	.1031	.0513	.0045	5.115	.0044	.0531
#2	.0061	.2227	.0049	-.0016	.1032	.0525	.0046	5.134	.0044	.0529

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0112	.0249	.1029	5.051	4.916	.0168	.1019	5.371	.0398	.0055
Stddev	.0005	.0007	.0021	.014	.045	.0001	.0004	.018	.0000	.0004
%RSD	4.877	2.945	2.027	.2696	.9121	.7575	.3794	.3331	.0829	7.466
#1	.0108	.0255	.1043	5.041	4.948	.0168	.1021	5.358	.0398	.0052
#2	.0116	.0244	.1014	5.060	4.884	.0167	.1016	5.383	.0398	.0058

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0001	.0002	.0066	.0095	-.0002	.1017	.0106	.0529	.0044	.0110
Stddev	.0019	.0029	.0002	.0006	.0002	.0007	.0001	.0006	.0002	.0001
%RSD	1864.	1743.	3.258	6.779	126.5	.6433	.7935	1.172	5.495	1.340
#1	.0013	-.0019	.0064	.0099	.0000	.1022	.0106	.0534	.0042	.0109
#2	-.0015	.0022	.0068	.0090	-.0004	.1013	.0107	.0525	.0046	.0111

Elem	W_2397	Zn2062	Zr3391
Avg	-.0032	.0204	.0002
Stddev	.0006	.0000	.0003
%RSD	18.95	.1412	223.8
#1	-.0036	.0204	.0004
#2	-.0028	.0204	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2358.1	72992.	7211.9
Stddev	.2	203.	32.3
%RSD	.01025	.27836	.44832
#1	2357.9	72848.	7234.8
#2	2358.3	73136.	7189.1

Zoom In Zoom Out

Sample Name: CRIA Acquired: 9/4/2013 12:46:57 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0057	.2217	.0111	.0009	.1018	.0513	.0044	5.107	.0043	.0524
Stddev	.0003	.0127	.0000	.0015	.0005	.0000	.0000	.019	.0002	.0001
%RSD	5.659	5.736	.2790	159.8	.4934	.0478	.7259	.3750	3.570	.1225
#1	.0054	.2307	.0111	.0020	.1014	.0513	.0044	5.094	.0042	.0525
#2	.0059	.2127	.0111	-.0001	.1021	.0513	.0044	5.121	.0045	.0524

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0107	.0249	.1084	5.056	4.893	.0166	.1008	5.362	.0394	.0103
Stddev	.0000	.0008	.0035	.031	.008	.0002	.0003	.010	.0001	.0001
%RSD	.2240	3.327	3.248	.6218	.1691	1.145	.3351	.1793	.1921	1.030
#1	.0107	.0243	.1059	5.078	4.888	.0164	.1010	5.369	.0394	.0104
#2	.0107	.0255	.1108	5.034	4.899	.0167	.1005	5.356	.0395	.0102

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0012	.0005	.0106	.0100	.0013	.1008	.0106	.0533	.0108	.0111
Stddev	.0009	.0036	.0005	.0005	.0002	.0005	.0001	.0006	.0006	.0001
%RSD	69.21	703.5	4.596	5.194	16.32	.5411	1.025	1.183	5.354	.7272
#1	-.0019	-.0021	.0109	.0096	.0011	.1012	.0105	.0528	.0113	.0112
#2	-.0006	.0031	.0103	.0104	.0014	.1004	.0106	.0537	.0104	.0111

Elem	W_2397	Zn2062	Zr3391
Avg	.0011	.0233	-.0001
Stddev	.0031	.0001	.0001
%RSD	276.2	.5249	93.42
#1	-.0011	.0233	.0000
#2	.0033	.0232	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2356.4	72532.	7160.2
Stddev	5.1	201.	106.1
%RSD	.21530	.27713	1.4826
#1	2352.8	72674.	7235.3
#2	2360.0	72390.	7085.1

Zoom In Zoom Out

Sample Name: ICSA Acquired: 9/4/2013 12:51:17 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0008	523.7	-.0016	.0028	.0015	-.0010	.0002	455.5	.0003	.0011
Stddev	.0003	1.2	.0009	.0007	.0000	.0003	.0002	2.6	.0001	.0000
%RSD	37.88	.2311	55.07	24.61	2.471	27.70	90.06	.5644	27.90	1.276
#1	.0006	522.8	-.0023	.0032	.0015	-.0008	.0001	453.7	.0004	.0011
#2	.0010	524.5	-.0010	.0023	.0016	-.0012	.0003	457.3	.0003	.0011

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0004	.0003	184.5	.0940	487.3	.0000	-.0006	.1031	-.0013	-.0004
Stddev	.0008	.0001	.2	.0170	.3	.000	.0001	.0073	.0001	.0017
%RSD	207.3	42.10	.1023	18.11	.0698	206.3	21.81	7.048	6.027	478.8
#1	.0002	.0004	184.3	.0819	487.0	.0000	-.0005	.0979	-.0014	-.0016
#2	-.0009	.0002	184.6	.1060	487.5	.0000	-.0007	.1082	-.0013	.0008

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0468	-.0223	.0003	-.0011	.0403	.0008	.0016	.0084	-.0015	.0002
Stddev	.0005	.0039	.0000	.0013	.0009	.0009	.0000	.0000	.0003	.0000
%RSD	.9771	17.58	13.30	110.5	2.290	104.7	.8706	.1965	23.59	9.263
#1	-.0464	-.0251	.0004	-.0002	.0397	.0002	.0016	.0083	-.0017	.0001
#2	-.0471	-.0195	.0003	-.0020	.0410	.0014	.0016	.0084	-.0012	.0002

Elem	W_2397	Zn2062	Zr3391
Avg	-.0415	-.0016	-.0002
Stddev	.0012	.0003	.0000
%RSD	2.834	18.61	22.08
#1	-.0423	-.0018	-.0002
#2	-.0407	-.0014	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2152.4	67989.	7123.9
Stddev	4.2	368.	14.0
%RSD	.19577	.54174	.19701
#1	2155.4	67728.	7133.8
#2	2149.4	68249.	7114.0

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 9/4/2013 12:55:39 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.075	535.0	2.013	.5037	.9941	.5177	.4913	462.4	1.026	.4770
Stddev	.001	.0	.001	.0007	.0032	.0006	.0001	4.2	.000	.0002
%RSD	.1068	.0061	.0259	.1465	.3252	.1250	.0262	.9005	.0248	.0521
#1	1.074	535.0	2.013	.5042	.9918	.5181	.4912	459.5	1.026	.4769
#2	1.076	535.0	2.014	.5032	.9964	.5172	.4914	465.4	1.026	.4772

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4929	.5234	188.9	.1002	496.6	.5103	.9476	.0892	.8512	.8816
Stddev	.0001	.0000	.2	.0170	.5	.0003	.0014	.0052	.0004	.0013
%RSD	.0262	.0068	.1108	16.99	.1102	.0667	.1434	5.884	.0515	.1501
#1	.4929	.5234	188.7	.0882	496.2	.5101	.9467	.0855	.8508	.8825
#2	.4928	.5234	189.0	.1123	497.0	.5106	.9486	.0929	.8515	.8807

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.5008	.4732	2.024	1.981	2.046	.9797	1.012	.5100	1.879	.5103
Stddev	.0006	.0046	.001	.004	.002	.0019	.001	.0009	.000	.0021
%RSD	.1285	.9746	.0498	.2244	.0977	.1944	.1021	.1756	.0065	.4057
#1	.5012	.4765	2.023	1.978	2.047	.9810	1.013	.5093	1.879	.5088
#2	.5003	.4700	2.025	1.984	2.044	.9783	1.011	.5106	1.879	.5117

Elem	W_2397	Zn2062	Zr3391
Avg	1.910	.9078	.4225
Stddev	.011	.0005	.0048
%RSD	.5791	.0550	1.137
#1	1.902	.9074	.4191
#2	1.918	.9081	.4259

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2164.6	67934.	6886.0
Stddev	5.3	23.	26.8
%RSD	.24664	.03380	.38975
#1	2160.8	67950.	6905.0
#2	2168.4	67918.	6867.0

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/4/2013 12:59:56 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2596	9.978	1.949	-.0015	1.968	1.971	2.039	10.08	1.976	2.041
Stddev	.0037	.297	.003	.0003	.003	.054	.055	.30	.003	.004
%RSD	1.444	2.973	.1552	23.54	.1678	2.743	2.693	2.949	.1729	.2194
#1	.2570	9.769	1.951	-.0017	1.970	1.932	2.000	9.871	1.979	2.044
#2	.2623	10.19	1.947	-.0012	1.965	2.009	2.078	10.29	1.974	2.037

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.063	2.062	10.03	9.912	9.765	2.124	1.948	10.37	1.897	1.908
Stddev	.034	.032	.30	.298	.330	.037	.002	.28	.006	.005
%RSD	1.663	1.544	2.979	3.009	3.375	1.755	.1135	2.660	.3306	.2786
#1	2.039	2.039	9.816	9.701	9.532	2.097	1.949	10.17	1.902	1.911
#2	2.087	2.084	10.24	10.12	9.998	2.150	1.946	10.56	1.893	1.904

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0024	.0032	1.932	1.925	.0401	2.002	2.029	2.047	1.971	2.084
Stddev	.0020	.0005	.009	.005	.0024	.004	.056	.035	.007	.039
%RSD	82.31	16.09	.4484	.2738	5.883	.2001	2.777	1.695	.3686	1.876
#1	-.0038	.0029	1.938	1.928	.0417	2.005	1.989	2.023	1.976	2.057
#2	-.0010	.0036	1.926	1.921	.0384	1.999	2.069	2.072	1.966	2.112

Elem	W_2397	Zn2062	Zr3391
Avg	-.0019	1.953	.0132
Stddev	.0039	.007	.0028
%RSD	208.3	.3818	21.26
#1	.0009	1.958	.0152
#2	-.0047	1.947	.0112

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2344.7	71470.	7203.4
Stddev	5.6	1166.	178.6
%RSD	.23954	1.6316	2.4800
#1	2340.7	72295.	7329.8
#2	2348.7	70646.	7077.1

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/4/2013 13:04:08 Type: Unk
Method: Accutest -SS2(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0000	.0279	.0013	-.0001	.0023	.0002	.0003	-.0012	F.0006
Stddev	.000	.0051	.0006	.0000	.0001	.0001	.0000	.0012	.0002
%RSD	1776.	18.17	43.17	30.32	4.658	31.36	.2244	103.4	36.81
#1	-.0002	.0244	.0009	-.0001	.0023	.0001	.0003	-.0021	.0004
#2	.0002	.0315	.0017	-.0001	.0024	.0002	.0003	-.0003	.0007

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0003	.0004	-.0006	.0033	.0591	-.0104	.0003	.0032	.0007
Stddev	.0000	.0005	.0000	.0003	.0247	.0057	.0001	.0005	.0087
%RSD	4.916	111.9	3.535	9.263	41.80	54.86	28.62	14.46	1267.
#1	.0003	.0007	-.0006	.0035	.0766	-.0064	.0004	.0035	-.0055
#2	.0003	.0001	-.0006	.0031	.0417	-.0145	.0002	.0028	.0069

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0003	.0008	.0002	-.0021	.0013	.0001	-.0039	.0008	.0003
Stddev	.0001	.0002	.0019	.0013	.0002	.0008	.0005	.0005	.0002
%RSD	27.96	29.28	897.0	62.05	16.45	748.5	13.87	60.08	76.12
#1	.0002	.0010	-.0011	-.0012	.0012	-.0005	-.0043	.0011	.0001
#2	.0004	.0007	.0016	-.0031	.0015	.0007	-.0035	.0004	.0004

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0008	.0017	.0005	.0051	-.0003	.0003
Stddev	.0003	.0001	.0001	.0003	.0002	.0001
%RSD	35.92	5.671	22.66	5.846	80.88	22.93
#1	.0010	.0017	.0004	.0049	-.0004	.0002
#2	.0006	.0016	.0006	.0053	-.0001	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2369.2	73795.	7083.5
Stddev	1.7	117.	27.4
%RSD	.07325	.15899	.38657
#1	2368.0	73878.	7064.1
#2	2370.5	73712.	7102.9

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	-0.000111	0.000000	No
			Co	0.000025	0.000000	No
			Mn	0.000046	0.000000	No
			Mo	0.000061	0.000000	No
			Cu	0.000019	0.000000	No
			Ti	0.000004	0.000000	No
			Al	-0.000000	0.000000	No
			Zr	0.003788	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.001390	0.000000	No
			Mo	0.046088	0.000000	No
			Ca	0.000119	0.000000	No
As 189.042 {479}	☒	9	V	0.000122	0.000000	No
			Al	0.000008	0.000000	No
			Mo	0.000905	0.000000	No
			Fe	-0.000007	0.000000	No
			Mn	-0.000059	0.000000	No
			Ca	0.000004	0.000000	No
			Mg	0.000001	0.000000	No
			Cr	0.000404	0.000000	No
			Na	-0.000000	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000122	0.000000	No
			Mn	0.010681	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.021507	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000005	0.000000	No
Be 313.042 {108}	☒	3	V	0.000027	0.000000	No
			Mo	-0.000032	0.000000	No
			Ti	-0.000279	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	5	Ni	-0.000027	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000011	0.000000	No
			Ca	0.000001	0.000000	No
			Pt	-0.011956	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000043	0.000000	No
			Mo	-0.000136	0.000000	No
			Ti	0.001983	0.000000	No
			Ca	-0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000004	0.000000	No
			Mn	0.000091	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000098	0.000000	No
			V	-0.000207	0.000000	No
			Mo	0.000488	0.000000	No
			Co	-0.000350	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000483	0.000000	No
			Co	0.000765	0.000000	No
			Cr	0.002515	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000008	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000129	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Al	0.000546	0.000000	No
Ni 231.604 {446}	☒	3	Mo	0.000090	0.000000	No
			Fe	0.000017	0.000000	No
			Ca	-0.000001	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000068	0.000000	No
			Mn	0.000110	0.000000	No
			Mo	-0.001493	0.000000	No
			Co	-0.000268	0.000000	No
			Cu	0.000379	0.000000	No
			Ca	-0.000003	0.000000	No
			Fe	0.000017	0.000000	No
			Mg	0.000002	0.000000	No
			Ni	0.000039	0.000000	No
			Si	0.000156	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000351	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.007692	0.000000	No
			Ni	0.000902	0.000000	No
			Mn	-0.007038	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
Sb 206.833 {463}	☒	12	Al	-0.000002	0.000000	No
			Fe	0.000033	0.000000	No
			Cr	0.009058	0.000000	No
			Mo	-0.003017	0.000000	No
			Mg	0.000000	0.000000	No
			Ni	-0.000343	0.000000	No
			V	-0.001519	0.000000	No
			Ca	0.000002	0.000000	No
			Ti	0.000081	0.000000	No
			Cu	0.000045	0.000000	No
			Sn	-0.007401	0.000000	No
			Pt	-0.002057	0.000000	No
Se 196.090 {472}	☒	8	Al	-0.000005	0.000000	No
			Fe	-0.000241	0.000000	No
			Mn	0.000431	0.000000	No
			Mo	0.000208	0.000000	No
			Ca	-0.000002	0.000000	No
			Na	0.000000	0.000000	No
			Co	-0.000440	0.000000	No
			Pd	-0.003371	0.000000	No
Si 212.412 {459}	☒	3	V	0.027489	0.000000	No
			Ti	0.015670	0.000000	No
			Mo	0.031283	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.001051	0.000000	No
			Cr	0.000192	0.000000	No
			V	-0.026562	0.000000	No
			Co	0.001818	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Al	-0.000003	0.000000	No
			Fe	0.000007	0.000000	No
			Ti	-0.001361	0.000000	No
			Mo	0.000119	0.000000	No
			Ca	-0.000000	0.000000	No
			Na	0.000006	0.000000	No
V 292.402 {115}	☒	3	Ti	0.000455	0.000000	No
			Mo	-0.000978	0.000000	No
			Fe	0.000018	0.000000	No
W 239.709 {141}	☒	5	Fe	-0.000106	0.000000	No
			Mo	0.001630	0.000000	No
			Co	0.007596	0.000000	No
			Al	0.000073	0.000000	No
			Mn	-0.000017	0.000000	No
Y 224.306 {451}*	☒	None				
Y 360.073 { 94}*	☒	None				
Y 371.030 { 91}*	☒	None				
Zn 206.200 {464}	☒	9	Fe	0.000013	0.000000	No
			Mn	-0.000026	0.000000	No
			Ni	0.000026	0.000000	No
			Cr	-0.000478	0.000000	No
			Mo	0.000147	0.000000	No
			Co	0.000024	0.000000	No
			Ti	0.000277	0.000000	No
			Al	0.000003	0.000000	No
			Na	0.000000	0.000000	No
Zr 339.198 { 99}	☒	6	Si	0.000182	0.000000	No
			Ti	0.000195	0.000000	No
			Fe	0.000024	0.000000	No
			Sn	0.002296	0.000000	No
			Au	0.002269	0.000000	No
			Ba	0.000845	0.000000	No

Prep QC: MP21575

ACCUTEST

Date:	09/03/13
Time	8:30

Name:	ERICM1
MP Batch ID:	MP21575
QC Sample ID:	MC23894-10

Reagent Lot #	
1:1 HNO3	RGT-37100-METALS
1:1 HCL	RGT-37099-METALS
Conc HNO3	VENDOR-13668
H2O2	VENDOR-13654
LCS	VENDOR-13657
Filter Paper Lot #	11104171
Digetion Tube Lot #	MM01LKK0; 1303205

Aqueous EPA 200.7/ 200.8	○
Aqueous SW846 3010A	○
Soil- SW846 3050B	◉

ML Used	Spike Lot#
1	RGT-37165-METALS
1	RGT-37084-METALS
1	RGT-37166-METALS
1	RGT-37167-METALS
Spike ID	MPICP

Dig Block ID:	5	Therm ID	QA010	Temp. C	96	Factor	-1.5	Corrected Temp C	94.5
Dig Block ID:		Therm ID		Temp. C		Factor		Corrected Temp C	
Balance ID:	ACC-3	Repipetor ID	3						

Note: (A)Serial dilution shown for QC purposes only (not a seperate digestion). (B) For DW samples <1NTU, measure pH prior to analysis.

Bot#	Sample #	Initial G	Final (ML)			1:1 HNO3 (ML)	Conc. HNO3 (ML)	1:1 HCL (ML)	H2O2 (ML)	Comment
	MP21575-LC1	1	100			10	5	10	3	
	MP21575-MB1	1	100			10	5	10	3	
	MP21575-B1	1	100			10	5	10	3	
1	MP21575-S1	1.15	100			10	5	10	3	
1	MP21575-SD1	1.14	100			10	5	10	3	
	MP21575-B2	1	100			10	5	10	3	
1	MP21575-S2	1.14	100			10	5	10	3	
1	MC23894-1	1.21	100			10	5	10	3	
1	MC23894-10	1.14	100			10	5	10	3	
1	MC23894-11	1.14	100			10	5	10	3	
1	MC23894-12	1.15	100			10	5	10	3	
1	MC23894-3	1.13	100			10	5	10	3	
1	MC23894-4	1.15	100			10	5	10	3	
1	MC23894-5	1.15	100			10	5	10	3	
1	MC23894-6	1.18	100			10	5	10	3	
1	MC23894-7	1.25	100			10	5	10	3	
1	MC23894-8	1.31	100			10	5	10	3	
1	MC23894-9	1.15	100			10	5	10	3	
1	MC23948-3	1.17	100			10	5	10	3	
1	MC23948-4	1.16	100			10	5	10	3	
2	MC23963-7	1.18	100			10	5	10	3	
1	MC23964-1	1.25	100			10	5	10	3	
1	MC23964-2	1.24	100			10	5	10	3	
1	MC23975-1	1.21	100			10	5	10	3	
1	MC23975-2	1.2	100			10	5	10	3	
1	MC23975-3	1.18	100			10	5	10	3	
1	MC23975-4	1.23	100			10	5	10	3	

Protected Worksheet MMP003-02 QC Review EAL Date: 09/03/13

(Format edits must be done by dept. Manager)

9.5.1 9

HG SO: SW846 7471B

AQ ○ SO ◉ **Analysis: Hg**

Protected Worksheet
Format edits must be done by Dept. Manager

MP#	MP21586	Date	9/4/13	Balance ID	ACC-3	Pipet ID	N/A	Prep Analyst	EM				
Dig Block ID	3	Therm ID	GN015	Temp	96	Factor	-2	Corr. Temp. Deg C	94	Start Time	11:35	End Time	12:05
Dig Block ID	5	Therm ID	QA010	Temp	97	Factor	-1.5	Corr. Temp. Deg C	95.5	Start Time	12:50	End Time	13:20
MA#	MA16048	Date	9/5/13	Run File	H2090513S1.PRN			Calib File	2090513S			Analyst	EM

Bot#	Sample ID	Init G	Fin ML	Block ID	Comments	Bot#	Sample ID	Init G	Fin ML	Block ID	Comments
	RB		100	3		1	MC23922-6	0.62	100	5	
	STD#1		100	3	2 ml of METSTD 31088 Hg- 2	1	MC23922-7	0.66	100	5	
	STD#2		100	3	5 ml of METSTD 31088 Hg- 2	1	MC23922-10	0.62	100	5	
	STD#3		100	3	1 ml of METSTD 31088 Hg- 1	1	MC23922-11	0.63	100	5	
	STD#4		100	3	2 ml of METSTD 31088 Hg- 1	1	MC23926-1	0.63	100	5	
	STD#5		100	3	3 ml of METSTD 31088 Hg- 1	1	MC23926-2	0.63	100	5	
	STD#6		100	3	4 ml of METSTD 31088 Hg- 1	1	MC23926-3	0.63	100	5	
	STD#7		100	3	5 ml of METSTD 31088 Hg- 1	1	MC23928-1	0.76	100	5	
	STD#8		100	3	6 ml of METSTD 31088 Hg- 1	1	MC23928-2	0.67	100	5	
	ICV		100	3	4 ml of METSTD 31089 Hg- 1	1	MC23929-1	0.63	100	5	
	CCV		100	3	3 ml of METSTD 31088 Hg- 1	1	MC23929-2	0.65	100	5	
	CRI		100	3	2 ml of METSTD 31088 Hg- 2	1	MC23930-3	0.64	100	5	
	ICB		100	3		1	MC23948-3	0.67	100	5	
	CCB		100	3		1	MC23948-4	0.63	100	5	
*	MB	0.6	100	3		1	MC24029-1	0.66	100	5	
*	SB	0.6	100	3	3 ml of METSTD 31088 Hg- 1	1	MC24029-2	0.64	100	5	
*	SBD	0.6	100	3	3 ml of METSTD 31088 Hg- 1	1	MC24029-3	0.65	100	5	
1	MS MC23926-4	0.64	100	5	3 ml of METSTD 31088 Hg- 1		MP21586-LC1	0.6	100	5	VENDOR-13657
1	MSD MC23926-4	0.64	100	5	3 ml of METSTD 31088 Hg- 1						
1	MC23926-4	0.65	100	5							
*	MC17591-3B	0.6	100	5	1.5 ml of METSTD 31088 Hg- 2						
*	MC17591-4B	0.6	100	5	2 ml of METSTD 31088 Hg- 2						

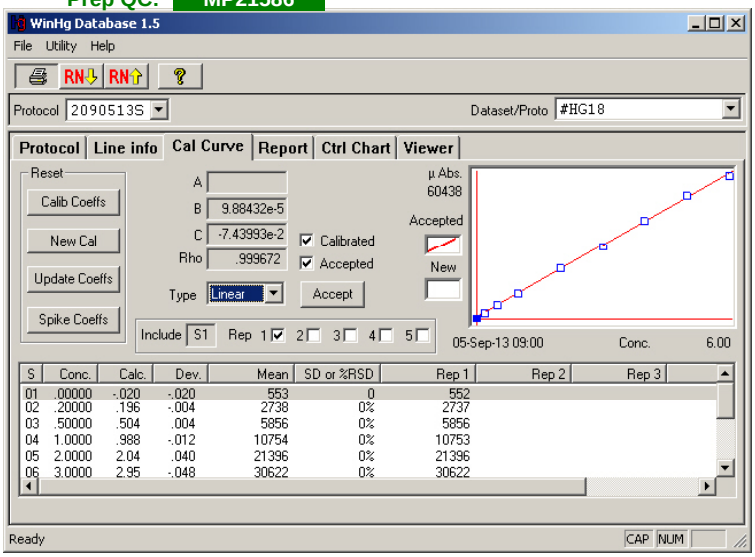
Reagent Lot#

Pot. Permanganate	RGT- 37154 _HG	Stannous Chloride	RGT- 37291 _HG	Conc. HNO3	Vendor- ***N/A***
Aqua Regia	RGT- 37276 _HG	Stannous Sulfate	RGT- ****N/A**** _HG	Conc. H2SO4	Vendor- ***N/A***
Hydroxylamine.SO4	RGT- 37177 _HG	Instrument ID:	HG-2	Dig.Tubes	MM01LKK0

Comment: * SAND USED : VENDOR-12599.

MC17591-3B = LOD = 0.15 PPB; MC17591-4B = LOQ= 0.20 PPB.

QC Review: PuiY **Date:** 9/5/13 **MMA015-02**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Protocol 2090513S
Dataset/Proto #HG18
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 9.88432e-5
C -7.43993e-2
Rho .999672
Type Linear
Calibrated
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60438
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New
Include S1 Rep 1 2 3 4 5
05-Sep-13 09:00
Conc. 6.00
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 -.020 -.020 553 0 552
02 .20000 .196 -.004 2738 0% 2737
03 .50000 .504 .004 5856 0% 5856
04 1.0000 .988 -.012 10754 0% 10753
05 2.0000 2.04 .040 21396 0% 21396
06 3.0000 2.95 -.048 30622 0% 30622
Ready
CAP NUM

New England ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP16552/GN44197	0.12	0.0	mg/kg	1.2	1.27	105.8	90-110%
Cyanide	GP16552/GN44197			mg/kg	2.4	2.45	102.1	90-110%
Cyanide	GP16552/GN44197			mg/kg	60.7	54.7	90.1	16-110%

Associated Samples:
Batch GP16552: MC23948-3
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP16552/GN44197	MC24047-1	mg/kg	0.027 U	0.0	0.0	0-20%
Solids, Percent	GN44161	MC23948-1	%	96.5	96.8	0.3	0-20%

Associated Samples:
Batch GN44161: MC23948-1, MC23948-2, MC23948-3, MC23948-4
Batch GP16552: MC23948-3
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP16552/GN44197	MC24047-1	mg/kg	0.027 U	1.31	1.4	107.0	75-125%

Associated Samples:
Batch GP16552: MC23948-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: 090513S1.CN Date Analyzed: 09/05/13 Methods: SW846 9012 M
Analyst: MA Run ID: GN44197
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:45	GN44197-STD1	1		STDA0.50
10:47	GN44197-STD2	1		STDC0.30
10:48	GN44197-STD3	1		STDD0.20
10:49	GN44197-STD4	1		STDE0.10
10:50	GN44197-STD5	1		STDG0.030
10:51	GN44197-STD6	1		STDH0.010
10:52	GN44197-STD7	1		STDI0.00
10:55	GN44197-ICV1	1		
10:56	GN44197-ICB1	1		
10:57	GN44197-CCV1	1		
10:58	GN44197-CCB1	1		
10:59	GP16552-MB1	1		
11:00	GP16552-B1	1		
11:01	GP16552-B2	1		
11:02	GP16552-LC1	20		
11:03	GP16552-S1	1		
11:04	GP16552-D1	1		
11:05	MC24047-1	1		(sample used for QC only; not part of login MC23948)
11:06	MC23948-3	1		
11:07	GN44197-CCV2	1		
11:08	GN44197-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: MC23948
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: 090513S1.CN Date Analyzed: 09/05/13 Methods: SW846 9012 M
Run ID: GN44197 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN44197-ICV1	Cyanide	0.20	0.010	0.0021	.2	100.0	90-110
GN44197-ICB1	Cyanide	-0.0071	0.010	0.0021			
GN44197-CCV1	Cyanide	0.30	0.010	0.0021	.3	100.0	90-110
GN44197-CCB1	Cyanide	-0.0071	0.010	0.0021			
GN44197-CCV2	Cyanide	0.30	0.010	0.0021	.3	100.0	90-110
GN44197-CCB2	Cyanide	-0.0079	0.010	0.0021			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: MC23948
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MC23948-1 **Analyzed:** 30-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: LBA-SB-301-(2.5)

Wet Weight (Total)	33.348	g
Tare Weight	27.306	g
Dry Weight (Total)	33.138	g
Solids, Percent	96.5	%

Sample: MC23948-2 **Analyzed:** 30-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: LBA-MW-17-(5)

Wet Weight (Total)	35.763	g
Tare Weight	27.29	g
Dry Weight (Total)	34.903	g
Solids, Percent	89.9	%

Sample: MC23948-3 **Analyzed:** 30-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: LBA-MW-18-(1.9)

Wet Weight (Total)	32.345	g
Tare Weight	22.712	g
Dry Weight (Total)	31.213	g
Solids, Percent	88.2	%

Sample: MC23948-4 **Analyzed:** 30-AUG-13 by MC **Method:** SM21 2540 B MOD.
ClientID: LBA-MW-19-(0-1.9)

Wet Weight (Total)	35.716	g
Tare Weight	24.883	g
Dry Weight (Total)	33.891	g
Solids, Percent	83.2	%

10.5
10

New England ACCUTEST LABORATORIES

General Chemistry

Raw Data

ACCUTEST

Protected Worksheet MGN117-02
(Format edits must be done by Dept. manager)

Analyst	MEHDIA	**Test/Analysis**	CNA SW846 9012
Date	9/5/13	**Analysis Batch ID**	GN44197
Instrument ID	LACHAT	**Prep Batch ID**	GP16552
File ID	090513S1.CN		

Reagents

Calib STD	GNSTD-	31107-CN	**Buffer**	RGT-	37298-CN
ICV	GNSTD-	31101-CN-2	**Carrier**	RGT-	37157-CN
CCV	GNSTD-	31107-CN-4	**Chloramine-T**	RGT-	37057-CN
			Pyridine Barb. Acid	RGT-	37299-CN

Standardization

Reagent/Stock Std:		NA ◉	Cyanide ○		
-		-	-		-

Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH

COMMENTS

Cyanide stock standardization was performed on 09/03/13 (GN44174).

QC Review Date: 09/05/13

ACCUTEST.

Distillation

Protected Worksheet MGN127-01
(Format edits must be done by Dept. manager)

Analyst:	MEHDIA	Date	9/5/13	Batch ID	GP16552	Matrix	Solids
QC Sample	MC24047-1	Balance ID	ACC-4	pH Meter ID	N/A	Block ID	MICRO

Analysis Type

CN EPA 335.4 ○	CN SW846 9010B ◉	CN-A SM21 4500CN-G/335.4 ○	CN-A SW846 9010 ○
PAC MADEP ○	CREAC Chap 7 ○	SREAC Chap7 ○	CNWAD SM20 4500CN-I ○

Sample ID	Bot #	ID	Interfere Chk CL	Interfere Chk S	Init. pH	SMPL Amt G	DIST Vol ML	Start Time	End Time	Comments/Spike
GP16552-LC1		N/A	ND	ND	>12	0.5	6	8:50	9:20	VENDOR-13516
GP16552-MB1	*	N/A	ND	ND	>12	0.5	6	8:50	9:20	
GP16552-B1	*	N/A	ND	ND	>12	0.5	6	8:50	9:20	0.10 ML OF SPIKE
GP16552-S1	2	N/A	ND	ND	>12	0.504	6	8:50	9:20	0.10 ML OF SPIKE
GP16552-D1	2	N/A	ND	ND	>12	0.512	6	8:50	9:20	
GP16552-B2	*	N/A	ND	ND	>12	0.5	6	8:50	9:20	0.20 ML OF SPIKE
MC23948-3	1	N/A	ND	ND	>12	0.518	6	8:50	9:20	
MC24047-1	2	N/A	ND	ND	>12	0.515	6	8:50	9:20	
ICV		N/A	ND	ND	>12	6 ML	6	8:50	9:20	0.20 ML OF ICV SPIKE

9-5-13

Reagent Lot # (Refer to Indivdual SOP for amounts added)

Sulfamic Acid	VENDOR-5746	Spike Solution	GNSTD-31098-CN-2
Conc. H2SO4	VENDOR-14009	ICV Stock Solution	GNSTD-31101-CN-2
NaOH	RGT-36753-CN	0.25N NAOH	RGT-37157-CN
MgCl2.6H2O	RGT-35456-CN	N/A	
Bismuth Nitrate	N/A	N/A	

Comment: * USED SAND VENDOR-12599.

QC Review _____ Date 09/05/13

11.1 11

Author: chemistry

Date : 9/5/2013

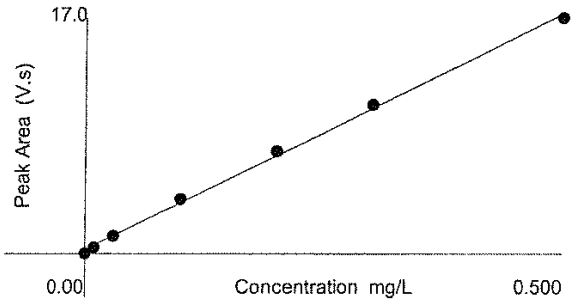
Original Run Filename: OM_9-5-2013_10-45-04AM.OMN Created: 9/5/2013 10:45:04 AM
Original Run Author's Signature: [chemistry]
Current Run Filename: OM_9-5-2013_10-45-04AM.OMN Last Modified: 9/5/2013 11:10:28 AM
Current Run Author's Signature: [chemistry]
Description: Default New Run

Sample	Rep.	Channel 1 Cn (mg/L)	MDF
StdA0.50	1	0.500	
StdC0.30	1	0.300	
StdD0.20	1	0.200	
StdE0.10	1	0.100	
StdG0.030	1	0.0300	
StdH0.010	1	0.0100	
StdI0.00	1	0.00	
ICV	1	0.200	
Calibration:		Table/Fig. : 1	
ICB	1	-7.12e-3	
CCV	1	0.303	
CCB	1	-7.12e-3	
GP16552-MB1	1	-5.78e-3	
GP16552-B1	1	0.106	
GP16552-B2	1	0.204	
GP16552-LC1	1	0.228	20.00
GP16552-S1	1	0.107	
GP16552-D1	1	-4.42e-3	
MC24047-1	1	-4.32e-3	
MC23948-3	1	-2.24e-3	
CCV	1	0.295	
CCB	1	-7.91e-3	

Table : 1 (Cn)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	17.0	0.925	0.0	1.8	0.490	9/5/2013	10:45:59 AM
2	0.300	1	10.7	0.590	0.0	-2.2	0.307	9/5/2013	10:47:03 AM
3	0.200	1	7.39	0.407	0.0	-4.2	0.209	9/5/2013	10:48:08 AM
4	0.100	1	3.94	0.219	0.0	-6.7	0.107	9/5/2013	10:49:13 AM
5	0.0300	1	1.29	0.0719	0.0	2.1	0.0294	9/5/2013	10:50:18 AM
6	0.0100	1	0.455	0.0255	0.0	28.5	4.91e-3	9/5/2013	10:51:22 AM
7	0.00	1	0.0292	1.88e-3			-7.61e-3	9/5/2013	10:52:26 AM

Figure : 1 (Cn)



Area = 34.0 * Conc + 0.298
Conc = 0.0294 * Area - 8.47e-3
Correlation Coefficient (r) = 0.99915

Weighting : None

New England ACCUTEST LABORATORIES

10/28/13

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC24023

Sampling Dates: 08/28/13 - 08/30/13

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **684**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) ISO 17025:2005 (L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC24023

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC24023-1	08/28/13	14:05	ER	08/31/13	SO	Soil	LBA-MW-22-(7)
MC24023-2	08/29/13	10:20	ER	08/31/13	SO	Soil	LBA-MW-24-(1)
MC24023-3	08/29/13	13:05	ER	08/31/13	SO	Soil	LBA-MW-25-(4)
MC24023-5	08/30/13	10:00	ER	08/31/13	SO	Soil	LBA-MW-26-(12)
MC24023-7	08/30/13	14:15	ER	08/31/13	SO	Soil	LBA-MW-27-(16-17.7)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environmental & Energy **Job No** MC24023

Site: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, **Report Date** 9/12/2013 12:28:50 PM

5 Sample(s) were collected on between 08/28/2013 and 08/30/2013 and were received at Accutest on 08/31/2013 properly preserved, at 0.9 Deg. C and intact. These Samples received an Accutest job number of MC24023. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix SO **Batch ID:** MSK2397

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC24071-3MS, MC24071-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- MSK2397-BS Recovery(s) for Tetrachloroethene are outside control limits. Blank Spike meets program technical requirements.
- MC24071-3MSD for Tert Butyl Alcohol-D9: Outside control limits. Target analytes not associated with this internal standard.

Matrix SO **Batch ID:** MSM2039

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC24064-1MS, MC24064-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- MC24023-5, MC24064-1MS, MC24064-1MSD for Tert Butyl Alcohol-D9: Outside control limits. Target analytes not associated with this internal standard.
- MSM2039-BS Recovery(s) for 2-Butanone (MEK), 2-Hexanone, Acetone, Tetrachloroethene are outside control limits. Blank Spike meets program technical requirements.
- Matrix Spike Recovery(s) for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 4-Methyl-2-pentanone (MIBK), Acetone, Bromoform, Cyclohexane, Ethylbenzene, Freon 113, Isopropylbenzene, Methylcyclohexane, Styrene, Tetrachloroethene, Vinyl chloride, Xylene (total) are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for 4-Methyl-2-pentanone (MIBK), Acetone, Bromoform, Vinyl chloride, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Isopropylbenzene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- RPD(s) for MSD for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Cyclohexane, Ethylbenzene, Freon 113, Isopropylbenzene, Methylcyclohexane, Tetrachloroethene, Xylene (total) are outside control limits for sample MC24064-1MSD. High RPD due to possible matrix interference and/or sample non-homogeneity.
- MSM2039-BS for Bromoform: Outside control limits. Associated samples are non-detect for this compound.

Extractables by GCMS By Method SW846 8270C

Matrix SO **Batch ID:** OP34724

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC24047-1MS, MC24047-1MSD were used as the QC samples indicated.
- OP34724-BS Recovery(s) for Benzaldehyde are outside control limits. Blank Spike meets program technical requirements.
- OP34724-MS/MSD Recovery(s) for Benzaldehyde are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.

Extractables by GC By Method SW846 8082

Matrix SO **Batch ID:** OP34712

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) MC24045-61MS, MC24045-61MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Metals By Method SW846 6010C

Matrix SO **Batch ID:** MP21595

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC24052-2MS, MC24052-2MSD, MC24052-2SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Cadmium are outside control limits for sample MP21595-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP21595-SD1 for Chromium: Serial dilution indicates possible matrix interference.

Metals By Method SW846 7471B

Matrix SO **Batch ID:** MP21596

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC24085-2MS, MC24085-2MSD were used as the QC samples for metals.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix SO **Batch ID:** GN44209

- Sample(s) MC24045-61DUP were used as the QC samples for Solids, Percent.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC24023).

Summary of Hits

Job Number: MC24023
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 08/28/13 thru 08/30/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC24023-1	**LBA-MW-22-(7)**					
Toluene		0.86 J	6.0	0.29	ug/kg	SW846 8260B
Xylene (total)		0.57 J	2.4	0.25	ug/kg	SW846 8260B
MC24023-2	**LBA-MW-24-(1)**					
Benzene		21.8 J	35	17	ug/kg	SW846 8260B
Cyclohexane		47.5 J	350	18	ug/kg	SW846 8260B
cis-1,2-Dichloroethene		1400	140	35	ug/kg	SW846 8260B
trans-1,2-Dichloroethene		564	140	31	ug/kg	SW846 8260B
Ethylbenzene		29.5 J	140	12	ug/kg	SW846 8260B
Methylcyclohexane		152 J	350	15	ug/kg	SW846 8260B
Toluene		92.8 J	350	17	ug/kg	SW846 8260B
1,2,4-Trichlorobenzene		510	350	25	ug/kg	SW846 8260B
Trichloroethene		2510	140	33	ug/kg	SW846 8260B
Vinyl chloride		176	140	40	ug/kg	SW846 8260B
Xylene (total)		155	140	14	ug/kg	SW846 8260B
Total TIC, Volatile		1240 J			ug/kg	
Acenaphthene		855	570	76	ug/kg	SW846 8270C
Acenaphthylene		493 J	570	56	ug/kg	SW846 8270C
Anthracene		2590	570	68	ug/kg	SW846 8270C
Benzo(a)anthracene		6240	570	73	ug/kg	SW846 8270C
Benzo(a)pyrene		5500	570	61	ug/kg	SW846 8270C
Benzo(b)fluoranthene		4770	570	71	ug/kg	SW846 8270C
Benzo(g,h,i)perylene		3080	570	56	ug/kg	SW846 8270C
Benzo(k)fluoranthene		4600	570	85	ug/kg	SW846 8270C
Carbazole		1160	570	67	ug/kg	SW846 8270C
Chrysene		5980	570	70	ug/kg	SW846 8270C
Dibenzo(a,h)anthracene		1070	570	67	ug/kg	SW846 8270C
Dibenzofuran		917	570	78	ug/kg	SW846 8270C
Fluoranthene		12600	570	77	ug/kg	SW846 8270C
Fluorene		1100	570	75	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene		2980	570	62	ug/kg	SW846 8270C
2-Methylnaphthalene		406 J	570	72	ug/kg	SW846 8270C
Naphthalene		625	570	91	ug/kg	SW846 8270C
Phenanthrene		7580	570	76	ug/kg	SW846 8270C
Pyrene		9570	570	66	ug/kg	SW846 8270C
Total TIC, Semi-Volatile		11100 J			ug/kg	
Aroclor 1260		11300	1000	510	ug/kg	SW846 8082
Arsenic		8.1	0.81	0.17	mg/kg	SW846 6010C
Barium		124	4.1	0.059	mg/kg	SW846 6010C
Cadmium		0.49	0.32	0.034	mg/kg	SW846 6010C
Chromium		31.8	0.81	0.077	mg/kg	SW846 6010C
Lead		49.4	0.81	0.14	mg/kg	SW846 6010C

Summary of Hits

Job Number: MC24023
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 08/28/13 thru 08/30/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Mercury		0.11	0.029	0.0085	mg/kg	SW846 7471B
MC24023-3	**LBA-MW-25-(4)**					
cis-1,2-Dichloroethene		1.3 J	2.3	0.59	ug/kg	SW846 8260B
Methylene chloride		2.0 J	2.3	1.8	ug/kg	SW846 8260B
Tetrachloroethene		4.3	2.3	0.51	ug/kg	SW846 8260B
Toluene		0.87 J	5.8	0.28	ug/kg	SW846 8260B
Xylene (total)		0.36 J	2.3	0.24	ug/kg	SW846 8260B
MC24023-5	**LBA-MW-26-(12)**					
Carbon disulfide		0.56 J	6.1	0.18	ug/kg	SW846 8260B
Methylene chloride		2.0 J	2.4	1.9	ug/kg	SW846 8260B
Toluene		0.56 J	6.1	0.30	ug/kg	SW846 8260B
Total TIC, Semi-Volatile		380 J			ug/kg	
MC24023-7	**LBA-MW-27-(16-17.7)**					
Acetone		32.3	14	5.3	ug/kg	SW846 8260B
Carbon disulfide		1.3 J	6.8	0.20	ug/kg	SW846 8260B
Methylene chloride		2.6 J	2.7	2.1	ug/kg	SW846 8260B
Toluene		1.0 J	6.8	0.33	ug/kg	SW846 8260B
Xylene (total)		0.54 J	2.7	0.28	ug/kg	SW846 8260B
Pyrene		70.2 J	120	14	ug/kg	SW846 8270C

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@143132 13:27 28-Oct-2013

Report of Analysis

Client Sample ID:	LBA-MW-22-(7)		
Lab Sample ID:	MC24023-1	**Date Sampled:**	08/28/13
Matrix:	SO - Soil	**Date Received:**	08/31/13
Method:	SW846 8260B	**Percent Solids:**	93.8
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M59056.D	1	09/09/13	KD	n/a	n/a	MSM2039
Run #2							

	Initial Weight	Final Volume
Run #1	4.43 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	4.7	ug/kg	
71-43-2	Benzene	ND	0.60	0.30	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.44	ug/kg	
75-25-2	Bromoform	ND	2.4	0.35	ug/kg	
74-83-9	Bromomethane	ND	2.4	1.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.0	3.7	ug/kg	
75-15-0	Carbon disulfide	ND	6.0	0.18	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.32	ug/kg	
75-00-3	Chloroethane	ND	6.0	0.72	ug/kg	
67-66-3	Chloroform	ND	2.4	0.35	ug/kg	
74-87-3	Chloromethane	ND	6.0	1.5	ug/kg	
110-82-7	Cyclohexane	ND	6.0	0.32	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.0	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.51	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.4	0.68	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.4	0.25	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.4	0.27	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.4	0.24	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.4	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.4	0.40	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.4	0.65	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.4	0.63	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.4	0.61	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.4	0.54	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.51	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.35	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.35	ug/kg	
100-41-4	Ethylbenzene	ND	2.4	0.21	ug/kg	
76-13-1	Freon 113	ND	6.0	1.1	ug/kg	
591-78-6	2-Hexanone	ND	6.0	2.9	ug/kg	
98-82-8	Isopropylbenzene	ND	6.0	0.34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-22-(7)		
Lab Sample ID:	MC24023-1	**Date Sampled:**	08/28/13
Matrix:	SO - Soil	**Date Received:**	08/31/13
Method:	SW846 8260B	**Percent Solids:**	93.8
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.0	3.3	ug/kg	
108-87-2	Methylcyclohexane	ND	6.0	0.26	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.4	0.48	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.0	2.2	ug/kg	
75-09-2	Methylene chloride	ND	2.4	1.9	ug/kg	
100-42-5	Styrene	ND	6.0	0.25	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.35	ug/kg	
127-18-4	Tetrachloroethene	ND	2.4	0.53	ug/kg	
108-88-3	Toluene	0.86	6.0	0.29	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	0.44	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.22	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.42	ug/kg	
79-01-6	Trichloroethene	ND	2.4	0.57	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.4	1.3	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	0.69	ug/kg	
1330-20-7	Xylene (total)	0.57	2.4	0.25	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	80%		70-130%
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	84%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: LBA-MW-24-(1)
Lab Sample ID: MC24023-2 **Date Sampled:** 08/29/13
Matrix: SO - Soil **Date Received:** 08/31/13
Method: SW846 8260B **Percent Solids:** 86.3
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K73810.D	1	09/09/13	GK	n/a	n/a	MSK2397
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.42 g	10.0 ml	100 ul
Run #2			

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	690	270	ug/kg	
71-43-2	Benzene	21.8	35	17	ug/kg	J
75-27-4	Bromodichloromethane	ND	140	25	ug/kg	
75-25-2	Bromoform	ND	140	20	ug/kg	
74-83-9	Bromomethane	ND	140	68	ug/kg	
78-93-3	2-Butanone (MEK)	ND	350	210	ug/kg	
75-15-0	Carbon disulfide	ND	350	11	ug/kg	
56-23-5	Carbon tetrachloride	ND	140	81	ug/kg	
108-90-7	Chlorobenzene	ND	140	19	ug/kg	
75-00-3	Chloroethane	ND	350	42	ug/kg	
67-66-3	Chloroform	ND	140	20	ug/kg	
74-87-3	Chloromethane	ND	350	85	ug/kg	
110-82-7	Cyclohexane	47.5	350	18	ug/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	350	140	ug/kg	
124-48-1	Dibromochloromethane	ND	140	30	ug/kg	
106-93-4	1,2-Dibromoethane	ND	140	39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	140	14	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	140	15	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	140	14	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	140	77	ug/kg	
75-34-3	1,1-Dichloroethane	ND	140	23	ug/kg	
107-06-2	1,2-Dichloroethane	ND	140	38	ug/kg	
75-35-4	1,1-Dichloroethene	ND	140	36	ug/kg	
156-59-2	cis-1,2-Dichloroethene	1400	140	35	ug/kg	
156-60-5	trans-1,2-Dichloroethene	564	140	31	ug/kg	
78-87-5	1,2-Dichloropropane	ND	140	29	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	140	20	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	140	20	ug/kg	
100-41-4	Ethylbenzene	29.5	140	12	ug/kg	J
76-13-1	Freon 113	ND	350	64	ug/kg	
591-78-6	2-Hexanone	ND	350	170	ug/kg	
98-82-8	Isopropylbenzene	ND	350	19	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-24-(1)		
Lab Sample ID:	MC24023-2	**Date Sampled:**	08/29/13
Matrix:	SO - Soil	**Date Received:**	08/31/13
Method:	SW846 8260B	**Percent Solids:**	86.3
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	350	190	ug/kg	
108-87-2	Methylcyclohexane	152	350	15	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	140	28	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	350	130	ug/kg	
75-09-2	Methylene chloride	ND	140	110	ug/kg	
100-42-5	Styrene	ND	350	14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	140	20	ug/kg	
127-18-4	Tetrachloroethene	ND	140	31	ug/kg	
108-88-3	Toluene	92.8	350	17	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	510	350	25	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	140	13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	140	24	ug/kg	
79-01-6	Trichloroethene	2510	140	33	ug/kg	
75-69-4	Trichlorofluoromethane	ND	140	73	ug/kg	
75-01-4	Vinyl chloride	176	140	40	ug/kg	
1330-20-7	Xylene (total)	155	140	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	95%		70-130%
460-00-4	4-Bromofluorobenzene	91%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
1687-34-9	1-Methyl-3-ethyladamantane	17.12	640	ug/kg	JN
702-79-4	Adamantane, 1,3-dimethyl-	17.83	600	ug/kg	JN
	Total TIC, Volatile		1240	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: LBA-MW-24-(1)
Lab Sample ID: MC24023-2 **Date Sampled:** 08/29/13
Matrix: SO - Soil **Date Received:** 08/31/13
Method: SW846 8270C SW846 3546 **Percent Solids:** 86.3
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R33458.D	5	09/10/13	KR	09/07/13	OP34724	MSR1218
Run #2							

	Initial Weight	Final Volume
Run #1	20.5 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	1400	64	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	2800	72	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	2800	81	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	2800	460	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	5700	710	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	2800	350	ug/kg	
95-48-7	2-Methylphenol	ND	2800	110	ug/kg	
	3&4-Methylphenol	ND	2800	140	ug/kg	
88-75-5	2-Nitrophenol	ND	2800	75	ug/kg	
100-02-7	4-Nitrophenol	ND	5700	530	ug/kg	
87-86-5	Pentachlorophenol	ND	2800	200	ug/kg	
108-95-2	Phenol	ND	1400	80	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	2800	71	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	2800	70	ug/kg	
83-32-9	Acenaphthene	855	570	76	ug/kg	
208-96-8	Acenaphthylene	493	570	56	ug/kg	J
98-86-2	Acetophenone	ND	2800	62	ug/kg	
120-12-7	Anthracene	2590	570	68	ug/kg	
1912-24-9	Atrazine	ND	2800	2800	ug/kg	
100-52-7	Benzaldehyde	ND	2800	2800	ug/kg	
56-55-3	Benzo(a)anthracene	6240	570	73	ug/kg	
50-32-8	Benzo(a)pyrene	5500	570	61	ug/kg	
205-99-2	Benzo(b)fluoranthene	4770	570	71	ug/kg	
191-24-2	Benzo(g,h,i)perylene	3080	570	56	ug/kg	
207-08-9	Benzo(k)fluoranthene	4600	570	85	ug/kg	
92-52-4	1,1'-Biphenyl	ND	2800	570	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	1400	71	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	1400	58	ug/kg	
105-60-2	Caprolactam	ND	2800	2800	ug/kg	
91-58-7	2-Chloronaphthalene	ND	1400	77	ug/kg	
106-47-8	4-Chloroaniline	ND	2800	71	ug/kg	
86-74-8	Carbazole	1160	570	67	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-MW-24-(1)
Lab Sample ID: MC24023-2 **Date Sampled:** 08/29/13
Matrix: SO - Soil **Date Received:** 08/31/13
Method: SW846 8270C SW846 3546 **Percent Solids:** 86.3
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	5980	570	70	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	1400	66	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	1400	86	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	1400	100	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1400	87	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2800	190	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2800	71	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1400	140	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1070	570	67	ug/kg	
132-64-9	Dibenzofuran	917	570	78	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	1400	150	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	1400	44	ug/kg	
84-66-2	Diethyl phthalate	ND	1400	71	ug/kg	
131-11-3	Dimethyl phthalate	ND	1400	82	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1400	52	ug/kg	
206-44-0	Fluoranthene	12600	570	77	ug/kg	
86-73-7	Fluorene	1100	570	75	ug/kg	
118-74-1	Hexachlorobenzene	ND	1400	88	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1400	82	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	2800	710	ug/kg	
67-72-1	Hexachloroethane	ND	1400	68	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	2980	570	62	ug/kg	
78-59-1	Isophorone	ND	1400	65	ug/kg	
91-57-6	2-Methylnaphthalene	406	570	72	ug/kg	J
88-74-4	2-Nitroaniline	ND	2800	71	ug/kg	
99-09-2	3-Nitroaniline	ND	2800	150	ug/kg	
100-01-6	4-Nitroaniline	ND	2800	71	ug/kg	
91-20-3	Naphthalene	625	570	91	ug/kg	
98-95-3	Nitrobenzene	ND	1400	76	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	1400	81	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1400	85	ug/kg	
85-01-8	Phenanthrene	7580	570	76	ug/kg	
129-00-0	Pyrene	9570	570	66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		30-130%
4165-62-2	Phenol-d5	67%		30-130%
118-79-6	2,4,6-Tribromophenol	70%		30-130%
4165-60-0	Nitrobenzene-d5	60%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-24-(1)		
Lab Sample ID:	MC24023-2	**Date Sampled:**	08/29/13
Matrix:	SO - Soil	**Date Received:**	08/31/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	86.3
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	75%		30-130%
1718-51-0	Terphenyl-d14	82%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
80655-44-3	Decahydro-4,4,8,9,10-pentamethylna	6.30	1400	ug/kg	JN
2531-84-2	Phenanthrene, 2-methyl-	8.50	1700	ug/kg	JN
243-17-4	11H-Benzo[b]fluorene	9.88	1900	ug/kg	JN
198-55-0	Perylene	12.36	2800	ug/kg	JN
215-58-7	Benzo[b]triphenylene	13.72	1900	ug/kg	JN
189-55-9	3,4:9,10-Dibenzopyrene	15.29	1400	ug/kg	JN
	Total TIC, Semi-Volatile		11100	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: LBA-MW-24-(1)
Lab Sample ID: MC24023-2 **Date Sampled:** 08/29/13
Matrix: SO - Soil **Date Received:** 08/31/13
Method: SW846 8082 SW846 3546 **Percent Solids:** 86.3
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK29046.D	1	09/10/13	NK	09/06/13	OP34712	GBK984
Run #2	BK29047.D	10	09/10/13	NK	09/06/13	OP34712	GBK984

	Initial Weight	Final Volume
Run #1	5.79 g	10.0 ml
Run #2	5.79 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	100	46	ug/kg	
11104-28-2	Aroclor 1221	ND	100	60	ug/kg	
11141-16-5	Aroclor 1232	ND	100	47	ug/kg	
53469-21-9	Aroclor 1242	ND	100	50	ug/kg	
12672-29-6	Aroclor 1248	ND	100	44	ug/kg	
11097-69-1	Aroclor 1254	ND	100	73	ug/kg	
11096-82-5	Aroclor 1260	11300 [a]	1000	510	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%	105%	30-150%
877-09-8	Tetrachloro-m-xylene	62%	66%	30-150%
2051-24-3	Decachlorobiphenyl	76%	93%	30-150%
2051-24-3	Decachlorobiphenyl	67%	83%	30-150%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-MW-24-(1)
Lab Sample ID: MC24023-2
Matrix: SO - Soil
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 08/29/13
Date Received: 08/31/13
Percent Solids: 86.3

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	8.1	0.81	0.17	mg/kg	1	09/06/13	09/06/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Barium	124	4.1	0.059	mg/kg	1	09/06/13	09/06/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Cadmium	0.49	0.32	0.034	mg/kg	1	09/06/13	09/06/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Chromium	31.8	0.81	0.077	mg/kg	1	09/06/13	09/06/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Lead	49.4	0.81	0.14	mg/kg	1	09/06/13	09/06/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Mercury	0.11	0.029	0.0085	mg/kg	1	09/06/13	09/06/13	EM	SW846 7471B [1]	SW846 7471B [4]
Selenium	0.28 U	0.81	0.28	mg/kg	1	09/06/13	09/06/13	EAL	SW846 6010C [2]	SW846 3050B [3]
Silver	0.10 U	0.41	0.10	mg/kg	1	09/06/13	09/06/13	EAL	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA16055
(2) Instrument QC Batch: MA16058
(3) Prep QC Batch: MP21595
(4) Prep QC Batch: MP21596

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

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Report of Analysis

Client Sample ID:	LBA-MW-25-(4)		
Lab Sample ID:	MC24023-3	**Date Sampled:**	08/29/13
Matrix:	SO - Soil	**Date Received:**	08/31/13
Method:	SW846 8260B	**Percent Solids:**	90.4
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M59057.D	1	09/09/13	KD	n/a	n/a	MSM2039
Run #2							

	Initial Weight	Final Volume
Run #1	4.78 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	4.5	ug/kg	
71-43-2	Benzene	ND	0.58	0.29	ug/kg	
75-27-4	Bromodichloromethane	ND	2.3	0.42	ug/kg	
75-25-2	Bromoform	ND	2.3	0.34	ug/kg	
74-83-9	Bromomethane	ND	2.3	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.8	3.6	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	0.18	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.31	ug/kg	
75-00-3	Chloroethane	ND	5.8	0.69	ug/kg	
67-66-3	Chloroform	ND	2.3	0.33	ug/kg	
74-87-3	Chloromethane	ND	5.8	1.4	ug/kg	
110-82-7	Cyclohexane	ND	5.8	0.31	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	2.3	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.49	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.3	0.65	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.3	0.24	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.3	0.26	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.3	0.23	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.3	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.3	0.38	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.3	0.63	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.3	0.60	ug/kg	
156-59-2	cis-1,2-Dichloroethene	1.3	2.3	0.59	ug/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	2.3	0.52	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.49	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.33	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.34	ug/kg	
100-41-4	Ethylbenzene	ND	2.3	0.21	ug/kg	
76-13-1	Freon 113	ND	5.8	1.1	ug/kg	
591-78-6	2-Hexanone	ND	5.8	2.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.8	0.32	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-25-(4)		
Lab Sample ID:	MC24023-3	**Date Sampled:**	08/29/13
Matrix:	SO - Soil	**Date Received:**	08/31/13
Method:	SW846 8260B	**Percent Solids:**	90.4
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.8	3.2	ug/kg	
108-87-2	Methylcyclohexane	ND	5.8	0.25	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.3	0.46	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.8	2.1	ug/kg	
75-09-2	Methylene chloride	2.0	2.3	1.8	ug/kg	J
100-42-5	Styrene	ND	5.8	0.24	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.34	ug/kg	
127-18-4	Tetrachloroethene	4.3	2.3	0.51	ug/kg	
108-88-3	Toluene	0.87	5.8	0.28	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	0.42	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.21	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.40	ug/kg	
79-01-6	Trichloroethene	ND	2.3	0.55	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.3	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	0.66	ug/kg	
1330-20-7	Xylene (total)	0.36	2.3	0.24	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	78%		70-130%
2037-26-5	Toluene-D8	83%		70-130%
460-00-4	4-Bromofluorobenzene	86%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	LBA-MW-26-(12)		
Lab Sample ID:	MC24023-5	**Date Sampled:**	08/30/13
Matrix:	SO - Soil	**Date Received:**	08/31/13
Method:	SW846 8260B	**Percent Solids:**	86.0
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M59058.D	1	09/09/13	KD	n/a	n/a	MSM2039
Run #2							

	Initial Weight	Final Volume
Run #1	4.78 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	4.7	ug/kg	
71-43-2	Benzene	ND	0.61	0.30	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.44	ug/kg	
75-25-2	Bromoform	ND	2.4	0.35	ug/kg	
74-83-9	Bromomethane	ND	2.4	1.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.1	3.8	ug/kg	
75-15-0	Carbon disulfide	0.56	6.1	0.18	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.4	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.33	ug/kg	
75-00-3	Chloroethane	ND	6.1	0.73	ug/kg	
67-66-3	Chloroform	ND	2.4	0.35	ug/kg	
74-87-3	Chloromethane	ND	6.1	1.5	ug/kg	
110-82-7	Cyclohexane	ND	6.1	0.32	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.1	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.52	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.4	0.69	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.4	0.25	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.4	0.27	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.4	0.25	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.4	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.4	0.40	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.4	0.66	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.4	0.63	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.4	0.62	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.4	0.54	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.51	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.35	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.35	ug/kg	
100-41-4	Ethylbenzene	ND	2.4	0.22	ug/kg	
76-13-1	Freon 113	ND	6.1	1.1	ug/kg	
591-78-6	2-Hexanone	ND	6.1	3.0	ug/kg	
98-82-8	Isopropylbenzene	ND	6.1	0.34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-26-(12)		
Lab Sample ID:	MC24023-5	**Date Sampled:**	08/30/13
Matrix:	SO - Soil	**Date Received:**	08/31/13
Method:	SW846 8260B	**Percent Solids:**	86.0
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.1	3.4	ug/kg	
108-87-2	Methylcyclohexane	ND	6.1	0.26	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.4	0.48	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.1	2.2	ug/kg	
75-09-2	Methylene chloride	2.0	2.4	1.9	ug/kg	J
100-42-5	Styrene	ND	6.1	0.25	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.36	ug/kg	
127-18-4	Tetrachloroethene	ND	2.4	0.54	ug/kg	
108-88-3	Toluene	0.56	6.1	0.30	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	0.44	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.22	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.42	ug/kg	
79-01-6	Trichloroethene	ND	2.4	0.58	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.4	1.3	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	0.69	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	0.25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	81%		70-130%
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	84%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: LBA-MW-26-(12)
Lab Sample ID: MC24023-5 **Date Sampled:** 08/30/13
Matrix: SO - Soil **Date Received:** 08/31/13
Method: SW846 8270C SW846 3546 **Percent Solids:** 86.0
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R33459.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218
Run #2							

	Initial Weight	Final Volume
Run #1	20.7 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	280	13	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	560	14	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	560	16	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	560	91	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	560	70	ug/kg	
95-48-7	2-Methylphenol	ND	560	22	ug/kg	
	3&4-Methylphenol	ND	560	27	ug/kg	
88-75-5	2-Nitrophenol	ND	560	15	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	110	ug/kg	
87-86-5	Pentachlorophenol	ND	560	40	ug/kg	
108-95-2	Phenol	ND	280	16	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	560	14	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	560	14	ug/kg	
83-32-9	Acenaphthene	ND	110	15	ug/kg	
208-96-8	Acenaphthylene	ND	110	11	ug/kg	
98-86-2	Acetophenone	ND	560	12	ug/kg	
120-12-7	Anthracene	ND	110	14	ug/kg	
1912-24-9	Atrazine	ND	560	560	ug/kg	
100-52-7	Benzaldehyde	ND	560	560	ug/kg	
56-55-3	Benzo(a)anthracene	ND	110	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	110	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	110	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	110	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	110	17	ug/kg	
92-52-4	1,1'-Biphenyl	ND	560	110	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	280	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	280	11	ug/kg	
105-60-2	Caprolactam	ND	560	560	ug/kg	
91-58-7	2-Chloronaphthalene	ND	280	15	ug/kg	
106-47-8	4-Chloroaniline	ND	560	14	ug/kg	
86-74-8	Carbazole	ND	110	13	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-26-(12)		
Lab Sample ID:	MC24023-5	**Date Sampled:**	08/30/13
Matrix:	SO - Soil	**Date Received:**	08/31/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	86.0
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	110	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	280	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	280	17	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	280	20	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	280	17	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	560	37	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	560	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	280	28	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	110	13	ug/kg	
132-64-9	Dibenzofuran	ND	110	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	280	30	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	280	8.8	ug/kg	
84-66-2	Diethyl phthalate	ND	280	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	280	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	280	10	ug/kg	
206-44-0	Fluoranthene	ND	110	15	ug/kg	
86-73-7	Fluorene	ND	110	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	280	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	280	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	560	140	ug/kg	
67-72-1	Hexachloroethane	ND	280	14	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	110	12	ug/kg	
78-59-1	Isophorone	ND	280	13	ug/kg	
91-57-6	2-Methylnaphthalene	ND	110	14	ug/kg	
88-74-4	2-Nitroaniline	ND	560	14	ug/kg	
99-09-2	3-Nitroaniline	ND	560	31	ug/kg	
100-01-6	4-Nitroaniline	ND	560	14	ug/kg	
91-20-3	Naphthalene	ND	110	18	ug/kg	
98-95-3	Nitrobenzene	ND	280	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	280	16	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	280	17	ug/kg	
85-01-8	Phenanthrene	ND	110	15	ug/kg	
129-00-0	Pyrene	ND	110	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		30-130%
4165-62-2	Phenol-d5	64%		30-130%
118-79-6	2,4,6-Tribromophenol	85%		30-130%
4165-60-0	Nitrobenzene-d5	60%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-26-(12)		
Lab Sample ID:	MC24023-5	**Date Sampled:**	08/30/13
Matrix:	SO - Soil	**Date Received:**	08/31/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	86.0
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	68%		30-130%
1718-51-0	Terphenyl-d14	99%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
10544-50-0	Cyclic octaatomic sulfur	9.22	380	ug/kg	JN
	Total TIC, Semi-Volatile		380	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	LBA-MW-26-(12)		
Lab Sample ID:	MC24023-5	**Date Sampled:**	08/30/13
Matrix:	SO - Soil	**Date Received:**	08/31/13
Method:	SW846 8082 SW846 3546	**Percent Solids:**	86.0
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK29048.D	1	09/10/13	NK	09/06/13	OP34712	GBK984
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	38	17	ug/kg	
11104-28-2	Aroclor 1221	ND	38	23	ug/kg	
11141-16-5	Aroclor 1232	ND	38	18	ug/kg	
53469-21-9	Aroclor 1242	ND	38	19	ug/kg	
12672-29-6	Aroclor 1248	ND	38	17	ug/kg	
11097-69-1	Aroclor 1254	ND	38	28	ug/kg	
11096-82-5	Aroclor 1260	ND	38	19	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%		30-150%
877-09-8	Tetrachloro-m-xylene	74%		30-150%
2051-24-3	Decachlorobiphenyl	84%		30-150%
2051-24-3	Decachlorobiphenyl	72%		30-150%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	LBA-MW-27-(16-17.7)		
Lab Sample ID:	MC24023-7	**Date Sampled:**	08/30/13
Matrix:	SO - Soil	**Date Received:**	08/31/13
Method:	SW846 8260B	**Percent Solids:**	80.9
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M59059.D	1	09/09/13	KD	n/a	n/a	MSM2039
Run #2							

	Initial Weight	Final Volume
Run #1	4.57 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	32.3	14	5.3	ug/kg	
71-43-2	Benzene	ND	0.68	0.33	ug/kg	
75-27-4	Bromodichloromethane	ND	2.7	0.49	ug/kg	
75-25-2	Bromoform	ND	2.7	0.39	ug/kg	
74-83-9	Bromomethane	ND	2.7	1.3	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.8	4.2	ug/kg	
75-15-0	Carbon disulfide	1.3	6.8	0.20	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.7	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	2.7	0.36	ug/kg	
75-00-3	Chloroethane	ND	6.8	0.81	ug/kg	
67-66-3	Chloroform	ND	2.7	0.39	ug/kg	
74-87-3	Chloromethane	ND	6.8	1.6	ug/kg	
110-82-7	Cyclohexane	ND	6.8	0.36	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.8	2.7	ug/kg	
124-48-1	Dibromochloromethane	ND	2.7	0.58	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.7	0.77	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.7	0.28	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.7	0.30	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.7	0.27	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.7	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.7	0.45	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.7	0.73	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.7	0.70	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.7	0.69	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.7	0.60	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.7	0.57	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.7	0.39	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.7	0.39	ug/kg	
100-41-4	Ethylbenzene	ND	2.7	0.24	ug/kg	
76-13-1	Freon 113	ND	6.8	1.2	ug/kg	
591-78-6	2-Hexanone	ND	6.8	3.3	ug/kg	
98-82-8	Isopropylbenzene	ND	6.8	0.38	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-27-(16-17.7)		
Lab Sample ID:	MC24023-7	**Date Sampled:**	08/30/13
Matrix:	SO - Soil	**Date Received:**	08/31/13
Method:	SW846 8260B	**Percent Solids:**	80.9
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.8	3.8	ug/kg	
108-87-2	Methylcyclohexane	ND	6.8	0.29	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.7	0.54	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.8	2.5	ug/kg	
75-09-2	Methylene chloride	2.6	2.7	2.1	ug/kg	J
100-42-5	Styrene	ND	6.8	0.28	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.7	0.40	ug/kg	
127-18-4	Tetrachloroethene	ND	2.7	0.60	ug/kg	
108-88-3	Toluene	1.0	6.8	0.33	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	6.8	0.49	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.7	0.24	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.7	0.47	ug/kg	
79-01-6	Trichloroethene	ND	2.7	0.64	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.7	1.4	ug/kg	
75-01-4	Vinyl chloride	ND	2.7	0.77	ug/kg	
1330-20-7	Xylene (total)	0.54	2.7	0.28	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	79%		70-130%
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	85%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@143132 13:27 28-Oct-2013

Report of Analysis

Client Sample ID: LBA-MW-27-(16-17.7)
Lab Sample ID: MC24023-7 **Date Sampled:** 08/30/13
Matrix: SO - Soil **Date Received:** 08/31/13
Method: SW846 8270C SW846 3546 **Percent Solids:** 80.9
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R33460.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218
Run #2							

	Initial Weight	Final Volume
Run #1	20.6 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	300	14	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	600	15	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	600	17	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	600	98	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	600	75	ug/kg	
95-48-7	2-Methylphenol	ND	600	24	ug/kg	
	3&4-Methylphenol	ND	600	29	ug/kg	
88-75-5	2-Nitrophenol	ND	600	16	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	110	ug/kg	
87-86-5	Pentachlorophenol	ND	600	42	ug/kg	
108-95-2	Phenol	ND	300	17	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	600	15	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	600	15	ug/kg	
83-32-9	Acenaphthene	ND	120	16	ug/kg	
208-96-8	Acenaphthylene	ND	120	12	ug/kg	
98-86-2	Acetophenone	ND	600	13	ug/kg	
120-12-7	Anthracene	ND	120	14	ug/kg	
1912-24-9	Atrazine	ND	600	600	ug/kg	
100-52-7	Benzaldehyde	ND	600	600	ug/kg	
56-55-3	Benzo(a)anthracene	ND	120	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	120	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	120	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	120	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	120	18	ug/kg	
92-52-4	1,1'-Biphenyl	ND	600	120	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	300	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	300	12	ug/kg	
105-60-2	Caprolactam	ND	600	600	ug/kg	
91-58-7	2-Chloronaphthalene	ND	300	16	ug/kg	
106-47-8	4-Chloroaniline	ND	600	15	ug/kg	
86-74-8	Carbazole	ND	120	14	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-27-(16-17.7)		
Lab Sample ID:	MC24023-7	**Date Sampled:**	08/30/13
Matrix:	SO - Soil	**Date Received:**	08/31/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	80.9
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	120	15	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	300	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	300	18	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	300	22	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	300	18	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	600	40	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	600	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	300	30	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	14	ug/kg	
132-64-9	Dibenzofuran	ND	120	17	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	300	32	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	300	9.4	ug/kg	
84-66-2	Diethyl phthalate	ND	300	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	300	17	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	300	11	ug/kg	
206-44-0	Fluoranthene	ND	120	16	ug/kg	
86-73-7	Fluorene	ND	120	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	300	19	ug/kg	
87-68-3	Hexachlorobutadiene	ND	300	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	600	150	ug/kg	
67-72-1	Hexachloroethane	ND	300	14	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	120	13	ug/kg	
78-59-1	Isophorone	ND	300	14	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	15	ug/kg	
88-74-4	2-Nitroaniline	ND	600	15	ug/kg	
99-09-2	3-Nitroaniline	ND	600	33	ug/kg	
100-01-6	4-Nitroaniline	ND	600	15	ug/kg	
91-20-3	Naphthalene	ND	120	19	ug/kg	
98-95-3	Nitrobenzene	ND	300	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	300	17	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	300	18	ug/kg	
85-01-8	Phenanthrene	ND	120	16	ug/kg	
129-00-0	Pyrene	70.2	120	14	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%		30-130%
4165-62-2	Phenol-d5	68%		30-130%
118-79-6	2,4,6-Tribromophenol	93%		30-130%
4165-60-0	Nitrobenzene-d5	59%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-27-(16-17.7)		
Lab Sample ID:	MC24023-7	**Date Sampled:**	08/30/13
Matrix:	SO - Soil	**Date Received:**	08/31/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	80.9
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	81%		30-130%
1718-51-0	Terphenyl-d14	97%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@143132 13:27 28-Oct-2013

Report of Analysis

Client Sample ID: LBA-MW-27-(16-17.7)
Lab Sample ID: MC24023-7 **Date Sampled:** 08/30/13
Matrix: SO - Soil **Date Received:** 08/31/13
Method: SW846 8082 SW846 3546 **Percent Solids:** 80.9
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK29049.D	1	09/10/13	NK	09/06/13	OP34712	GBK984
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	40	18	ug/kg	
11104-28-2	Aroclor 1221	ND	40	24	ug/kg	
11141-16-5	Aroclor 1232	ND	40	19	ug/kg	
53469-21-9	Aroclor 1242	ND	40	20	ug/kg	
12672-29-6	Aroclor 1248	ND	40	18	ug/kg	
11097-69-1	Aroclor 1254	ND	40	29	ug/kg	
11096-82-5	Aroclor 1260	ND	40	20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%		30-150%
877-09-8	Tetrachloro-m-xylene	72%		30-150%
2051-24-3	Decachlorobiphenyl	83%		30-150%
2051-24-3	Decachlorobiphenyl	65%		30-150%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY RECORD MC24023

Page 1 of 1

Project Number:	Site and Location:
4255/5	EPT Ithaca
Contact Name:	**Contact Email:**
Lisa.Bryda@wspgroup.com	
Sampler's Name:	**Sampler's Signature:**
Erik Reinert	

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses: TCL VOCs; TCL SVOCs; RCRA Metals; Cyanide; PCBs

N° 01003

Deliverable: NYS Cat B

See task order for analyte lists

Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	Remarks
LBA-MW-22-(7)-1	7'	8/29/13	1405	S	1	~~2oz~~ Hold -1
LBA-MW-24-(1) -2	1'	8/29/13	1020	S	2	~~2oz+4oz~~ Hold -2
LBA-MW-25-(4)-3	4'	8/29/13	1305	S	1	~~2oz~~ Hold -3
LBA-MW-26-(0-4)-4	0-4'	8/30/13	0945	S	1	~~4oz~~ Hold -4
LBA-MW-26-(12) -5	12'	8/30/13	1000	S	2	~~2oz+4oz~~ Hold -5
LBA-MW-27-(0-5)-6	0-5'	8/30/13	1315	S	1	~~4oz~~ Hold -6
LBA-MW-27-(16-17.7)-7	16-17.7'	8/30/13	1415	S	2	~~2oz+4oz~~ Hold -7

8/30/13

8A

Relinquished by (Signature):	8/30/13 1430 Date | Time	Received by (Signature):	Laboratory Name: Accutest
Relinquished by (Signature):	Date | Time	Received by (Signature):	Laboratory Location: Marlborough, MA
Turn-Around Time: ~~5-day~~ 10 day after receive	8-31-13 1600	Tracking Number:	Custody Seal Numbers: NA - courier
			Method of Shipment: Lab Courier

WSP Environment & Energy

SYRACUSE SC 0.9 °C

- [x] Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- [ ] Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- [ ] San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- [ ] New Jersey Office: 334 Elizabeth Ave., Somerset, NJ 08873 / Tel: 732-564-0888
- [ ] Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- [ ] Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- [x] Boxborough Office: 1740 Massachusetts Ave., Boxborough, MA 01719 / Tel: 978-635-9600
- [ ] Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

MC24023: Chain of Custody

Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC24023 **Client:** WSP **Immediate Client Services Action Required:** No

Date / Time Received: 8/31/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: 4255/5 **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	Infared gun	
3. Cooler media:	Ice (bag)	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☐	☑
2. Trip Blank listed on COC:	☐	☐	☑
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC24023: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC24023

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC24023-1 Collected: 28-AUG-13 14:05 By: ER LBA-MW-22-(7)			Received: 31-AUG-13 By:			
MC24023-1	SM21 2540 B MOD.	06-SEP-13	MC			%SOL
MC24023-1	SW846 8260B	09-SEP-13 13:48	KD			V8260TCL42+
MC24023-2 Collected: 29-AUG-13 10:20 By: ER LBA-MW-24-(1)			Received: 31-AUG-13 By:			
MC24023-2	SM21 2540 B MOD.	06-SEP-13	MC			%SOL
MC24023-2	SW846 6010C	06-SEP-13 12:16	EAL	06-SEP-13	EM	AG,AS,BA,CD,CR,PB,SE
MC24023-2	SW846 7471B	06-SEP-13 12:25	EM	06-SEP-13	EM	HG
MC24023-2	SW846 8260B	09-SEP-13 11:38	GK			V8260TCL42+
MC24023-2	SW846 8270C	10-SEP-13 10:51	KR	07-SEP-13	AZ	AB8270TCL42+
MC24023-2	SW846 8082	10-SEP-13 13:39	NK	06-SEP-13	BJ	P8082PCB
MC24023-2	SW846 8082	10-SEP-13 13:57	NK	06-SEP-13	BJ	P8082PCB
MC24023-3 Collected: 29-AUG-13 13:05 By: ER LBA-MW-25-(4)			Received: 31-AUG-13 By:			
MC24023-3	SM21 2540 B MOD.	06-SEP-13	MC			%SOL
MC24023-3	SW846 8260B	09-SEP-13 14:18	KD			V8260TCL42+
MC24023-5 Collected: 30-AUG-13 10:00 By: ER LBA-MW-26-(12)			Received: 31-AUG-13 By:			
MC24023-5	SM21 2540 B MOD.	06-SEP-13	MC			%SOL
MC24023-5	SW846 8260B	09-SEP-13 14:47	KD			V8260TCL42+
MC24023-5	SW846 8270C	10-SEP-13 11:14	KR	07-SEP-13	AZ	AB8270TCL42+
MC24023-5	SW846 8082	10-SEP-13 14:16	NK	06-SEP-13	BJ	P8082PCB
MC24023-7 Collected: 30-AUG-13 14:15 By: ER LBA-MW-27-(16-17.7)			Received: 31-AUG-13 By:			
MC24023-7	SM21 2540 B MOD.	06-SEP-13	MC			%SOL
MC24023-7	SW846 8260B	09-SEP-13 15:16	KD			V8260TCL42+
MC24023-7	SW846 8270C	10-SEP-13 11:36	KR	07-SEP-13	AZ	AB8270TCL42+
MC24023-7	SW846 8082	10-SEP-13 14:35	NK	06-SEP-13	BJ	P8082PCB

Accutest Internal Chain of Custody

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 08/31/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC24023-1.1	Walk In Ref #5	Miranda Cardullo	09/06/13 09:02	Retrieve from Storage
MC24023-1.1	Miranda Cardullo	Walk In Ref #5	09/06/13 10:19	Return to Storage
MC24023-2.1	Walk In Ref #5	Miranda Cardullo	09/06/13 09:02	Retrieve from Storage
MC24023-2.1	Miranda Cardullo	Walk In Ref #5	09/06/13 10:19	Return to Storage
MC24023-2.2	Walk In Ref #5	Eric Mensah	09/06/13 06:45	Retrieve from Storage
MC24023-2.2	Eric Mensah	Walk In Ref #5	09/06/13 06:45	Return to Storage
MC24023-2.2	Walk In Ref #5	Nicole Estey	09/06/13 14:38	Retrieve from Storage
MC24023-2.2	Nicole Estey	Walk In Ref #5	09/06/13 20:53	Return to Storage
MC24023-2.2	Walk In Ref #5	Bijan Jafari	09/07/13 11:10	Retrieve from Storage
MC24023-2.2	Bijan Jafari	Walk In Ref #5	09/07/13 15:14	Return to Storage
MC24023-3.1	Walk In Ref #5	Miranda Cardullo	09/06/13 09:02	Retrieve from Storage
MC24023-3.1	Miranda Cardullo	Walk In Ref #5	09/06/13 10:19	Return to Storage
MC24023-5.1	Walk In Ref #5	Miranda Cardullo	09/06/13 09:02	Retrieve from Storage
MC24023-5.1	Miranda Cardullo	Walk In Ref #5	09/06/13 10:19	Return to Storage
MC24023-5.2	Walk In Ref #5	Nicole Estey	09/06/13 14:38	Retrieve from Storage
MC24023-5.2	Nicole Estey	Walk In Ref #5	09/06/13 20:53	Return to Storage
MC24023-5.2	Walk In Ref #5	Bijan Jafari	09/07/13 11:10	Retrieve from Storage
MC24023-5.2	Bijan Jafari	Walk In Ref #5	09/07/13 15:14	Return to Storage
MC24023-7.1	Walk In Ref #5	Miranda Cardullo	09/06/13 09:02	Retrieve from Storage
MC24023-7.1	Miranda Cardullo	Walk In Ref #5	09/06/13 10:19	Return to Storage
MC24023-7.2	Walk In Ref #5	Nicole Estey	09/06/13 14:38	Retrieve from Storage
MC24023-7.2	Nicole Estey	Walk In Ref #5	09/06/13 20:53	Return to Storage
MC24023-7.2	Walk In Ref #5	Bijan Jafari	09/07/13 11:10	Retrieve from Storage
MC24023-7.2	Bijan Jafari	Walk In Ref #5	09/07/13 15:14	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2039-MB	M59050.D	1	09/09/13	KD	n/a	n/a	MSM2039

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24023-1, MC24023-3, MC24023-5, MC24023-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.9	ug/kg	
71-43-2	Benzene	ND	0.50	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.36	ug/kg	
75-25-2	Bromoform	ND	2.0	0.29	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.97	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.2	ug/kg	
110-82-7	Cyclohexane	ND	5.0	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.52	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.0	0.92	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.28	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.8	ug/kg	
108-87-2	Methylcyclohexane	ND	5.0	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.8	ug/kg	

Method Blank Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2039-MB	M59050.D	1	09/09/13	KD	n/a	n/a	MSM2039

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24023-1, MC24023-3, MC24023-5, MC24023-7

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	1.5	ug/kg	
100-42-5	Styrene	ND	5.0	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.44	ug/kg	
108-88-3	Toluene	ND	5.0	0.24	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.47	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.20	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	77%	70-130%
2037-26-5	Toluene-D8	84%	70-130%
460-00-4	4-Bromofluorobenzene	84%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2397-MB	K73809.D	1	09/09/13	GK	n/a	n/a	MSK2397

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24023-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	190	ug/kg	
71-43-2	Benzene	ND	25	12	ug/kg	
75-27-4	Bromodichloromethane	ND	100	18	ug/kg	
75-25-2	Bromoform	ND	100	15	ug/kg	
74-83-9	Bromomethane	ND	100	49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	250	150	ug/kg	
75-15-0	Carbon disulfide	ND	250	7.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	58	ug/kg	
108-90-7	Chlorobenzene	ND	100	13	ug/kg	
75-00-3	Chloroethane	ND	250	30	ug/kg	
67-66-3	Chloroform	ND	100	14	ug/kg	
74-87-3	Chloromethane	ND	250	61	ug/kg	
110-82-7	Cyclohexane	ND	250	13	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	100	ug/kg	
124-48-1	Dibromochloromethane	ND	100	21	ug/kg	
106-93-4	1,2-Dibromoethane	ND	100	28	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	100	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	100	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	100	10	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	100	56	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	27	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	26	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	22	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	15	ug/kg	
100-41-4	Ethylbenzene	ND	100	8.9	ug/kg	
76-13-1	Freon 113	ND	250	46	ug/kg	
591-78-6	2-Hexanone	ND	250	120	ug/kg	
98-82-8	Isopropylbenzene	ND	250	14	ug/kg	
79-20-9	Methyl Acetate	ND	250	140	ug/kg	
108-87-2	Methylcyclohexane	ND	250	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	100	20	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	92	ug/kg	

Method Blank Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2397-MB	K73809.D	1	09/09/13	GK	n/a	n/a	MSK2397

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24023-2

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	100	77	ug/kg	
100-42-5	Styrene	ND	250	10	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	15	ug/kg	
127-18-4	Tetrachloroethene	ND	100	22	ug/kg	
108-88-3	Toluene	ND	250	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100	9.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	17	ug/kg	
79-01-6	Trichloroethene	ND	100	24	ug/kg	
75-69-4	Trichlorofluoromethane	ND	100	52	ug/kg	
75-01-4	Vinyl chloride	ND	100	28	ug/kg	
1330-20-7	Xylene (total)	ND	100	10	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	70-130%
2037-26-5	Toluene-D8	104%	70-130%
460-00-4	4-Bromofluorobenzene	93%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2039-BS	M59047.D	1	09/09/13	KD	n/a	n/a	MSM2039

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24023-1, MC24023-3, MC24023-5, MC24023-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	31.9	64* [a]	70-130
71-43-2	Benzene	50	51.4	103	70-130
75-27-4	Bromodichloromethane	50	55.1	110	70-130
75-25-2	Bromoform	50	71.4	143* [b]	70-130
74-83-9	Bromomethane	50	51.5	103	70-130
78-93-3	2-Butanone (MEK)	50	29.6	59* [a]	70-130
75-15-0	Carbon disulfide	50	53.6	107	70-130
56-23-5	Carbon tetrachloride	50	61.7	123	70-130
108-90-7	Chlorobenzene	50	58.4	117	70-130
75-00-3	Chloroethane	50	52.4	105	70-130
67-66-3	Chloroform	50	54.8	110	70-130
74-87-3	Chloromethane	50	49.3	99	70-130
110-82-7	Cyclohexane	50	52.1	104	70-130
96-12-8	1,2-Dibromo-3-chloropropane	50	46.2	92	70-130
124-48-1	Dibromochloromethane	50	63.6	127	70-130
106-93-4	1,2-Dibromoethane	50	57.5	115	70-130
95-50-1	1,2-Dichlorobenzene	50	51.5	103	70-130
541-73-1	1,3-Dichlorobenzene	50	50.9	102	70-130
106-46-7	1,4-Dichlorobenzene	50	50.9	102	70-130
75-71-8	Dichlorodifluoromethane	50	46.7	93	70-130
75-34-3	1,1-Dichloroethane	50	55.5	111	70-130
107-06-2	1,2-Dichloroethane	50	51.1	102	70-130
75-35-4	1,1-Dichloroethene	50	59.0	118	70-130
156-59-2	cis-1,2-Dichloroethene	50	51.7	103	70-130
156-60-5	trans-1,2-Dichloroethene	50	54.5	109	70-130
78-87-5	1,2-Dichloropropane	50	51.7	103	70-130
10061-01-5	cis-1,3-Dichloropropene	50	52.1	104	70-130
10061-02-6	trans-1,3-Dichloropropene	50	56.2	112	70-130
100-41-4	Ethylbenzene	50	55.9	112	70-130
76-13-1	Freon 113	50	60.2	120	70-130
591-78-6	2-Hexanone	50	34.0	68* [a]	70-130
98-82-8	Isopropylbenzene	50	47.8	96	70-130
79-20-9	Methyl Acetate	50	39.6	79	33-141
108-87-2	Methylcyclohexane	50	57.4	115	78-140
1634-04-4	Methyl Tert Butyl Ether	50	50.1	100	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	46.6	93	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2039-BS	M59047.D	1	09/09/13	KD	n/a	n/a	MSM2039

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24023-1, MC24023-3, MC24023-5, MC24023-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
75-09-2	Methylene chloride	50	55.4	111	70-130
100-42-5	Styrene	50	57.2	114	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	43.8	88	70-130
127-18-4	Tetrachloroethene	50	67.6	135* [a]	70-130
108-88-3	Toluene	50	55.0	110	70-130
120-82-1	1,2,4-Trichlorobenzene	50	58.1	116	70-130
71-55-6	1,1,1-Trichloroethane	50	58.5	117	70-130
79-00-5	1,1,2-Trichloroethane	50	54.1	108	70-130
79-01-6	Trichloroethene	50	52.7	105	70-130
75-69-4	Trichlorofluoromethane	50	54.6	109	70-130
75-01-4	Vinyl chloride	50	35.5	71	70-130
1330-20-7	Xylene (total)	150	169	113	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	78%	70-130%
2037-26-5	Toluene-D8	84%	70-130%
460-00-4	4-Bromofluorobenzene	78%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.
(b) Outside control limits. Associated samples are non-detect for this compound.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2397-BS	K73806.D	1	09/09/13	GK	n/a	n/a	MSK2397

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24023-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	2500	1900	76	70-130
71-43-2	Benzene	2500	2620	105	70-130
75-27-4	Bromodichloromethane	2500	2640	106	70-130
75-25-2	Bromoform	2500	2930	117	70-130
74-83-9	Bromomethane	2500	2670	107	70-130
78-93-3	2-Butanone (MEK)	2500	2350	94	70-130
75-15-0	Carbon disulfide	2500	2500	100	70-130
56-23-5	Carbon tetrachloride	2500	2990	120	70-130
108-90-7	Chlorobenzene	2500	2700	108	70-130
75-00-3	Chloroethane	2500	2620	105	70-130
67-66-3	Chloroform	2500	2690	108	70-130
74-87-3	Chloromethane	2500	2610	104	70-130
110-82-7	Cyclohexane	2500	2750	110	70-130
96-12-8	1,2-Dibromo-3-chloropropane	2500	2180	87	70-130
124-48-1	Dibromochloromethane	2500	2760	110	70-130
106-93-4	1,2-Dibromoethane	2500	2610	104	70-130
95-50-1	1,2-Dichlorobenzene	2500	2570	103	70-130
541-73-1	1,3-Dichlorobenzene	2500	2570	103	70-130
106-46-7	1,4-Dichlorobenzene	2500	2670	107	70-130
75-71-8	Dichlorodifluoromethane	2500	2140	86	70-130
75-34-3	1,1-Dichloroethane	2500	2740	110	70-130
107-06-2	1,2-Dichloroethane	2500	2480	99	70-130
75-35-4	1,1-Dichloroethene	2500	2740	110	70-130
156-59-2	cis-1,2-Dichloroethene	2500	2500	100	70-130
156-60-5	trans-1,2-Dichloroethene	2500	2640	106	70-130
78-87-5	1,2-Dichloropropane	2500	2570	103	70-130
10061-01-5	cis-1,3-Dichloropropene	2500	2550	102	70-130
10061-02-6	trans-1,3-Dichloropropene	2500	2720	109	70-130
100-41-4	Ethylbenzene	2500	2860	114	70-130
76-13-1	Freon 113	2500	2770	111	70-130
591-78-6	2-Hexanone	2500	2400	96	70-130
98-82-8	Isopropylbenzene	2500	2690	108	70-130
79-20-9	Methyl Acetate	2500	1590	64	33-141
108-87-2	Methylcyclohexane	2500	3000	120	78-140
1634-04-4	Methyl Tert Butyl Ether	2500	2370	95	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	2500	2300	92	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2397-BS	K73806.D	1	09/09/13	GK	n/a	n/a	MSK2397

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24023-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
75-09-2	Methylene chloride	2500	2570	103	70-130
100-42-5	Styrene	2500	2960	118	70-130
79-34-5	1,1,2,2-Tetrachloroethane	2500	2360	94	70-130
127-18-4	Tetrachloroethene	2500	3350	134* [a]	70-130
108-88-3	Toluene	2500	2710	108	70-130
120-82-1	1,2,4-Trichlorobenzene	2500	2680	107	70-130
71-55-6	1,1,1-Trichloroethane	2500	2850	114	70-130
79-00-5	1,1,2-Trichloroethane	2500	2490	100	70-130
79-01-6	Trichloroethene	2500	2680	107	70-130
75-69-4	Trichlorofluoromethane	2500	2510	100	70-130
75-01-4	Vinyl chloride	2500	2110	84	70-130
1330-20-7	Xylene (total)	7500	8420	112	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	70-130%
2037-26-5	Toluene-D8	107%	70-130%
460-00-4	4-Bromofluorobenzene	94%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC24071-3MS	K73820.D	1	09/09/13	GK	n/a	n/a	MSK2397
MC24071-3MSD	K73821.D	1	09/09/13	GK	n/a	n/a	MSK2397
MC24071-3	K73812.D	1	09/09/13	GK	n/a	n/a	MSK2397

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24023-2

CAS No.	Compound	MC24071-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		2910	3190	110	3010	103	6	70-130/30
71-43-2	Benzene	ND		2910	2900	100	2930	101	1	70-130/30
75-27-4	Bromodichloromethane	ND		2910	2870	99	2840	98	1	70-130/30
75-25-2	Bromoform	127		2910	3240	107	3300	109	2	70-130/30
74-83-9	Bromomethane	ND		2910	2630	90	2730	94	4	70-130/30
78-93-3	2-Butanone (MEK)	ND		2910	3440	118	3380	116	2	70-130/30
75-15-0	Carbon disulfide	ND		2910	2750	94	2780	95	1	70-130/30
56-23-5	Carbon tetrachloride	ND		2910	2760	95	2790	96	1	70-130/30
108-90-7	Chlorobenzene	ND		2910	2980	102	3040	104	2	70-130/30
75-00-3	Chloroethane	ND		2910	2740	94	2750	94	0	70-130/30
67-66-3	Chloroform	ND		2910	2700	93	2730	94	1	70-130/30
74-87-3	Chloromethane	ND		2910	2550	88	2570	88	1	70-130/30
110-82-7	Cyclohexane	ND		2910	2820	97	2860	98	1	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		2910	2790	96	2750	94	1	70-130/30
124-48-1	Dibromochloromethane	ND		2910	3110	107	3140	108	1	70-130/30
106-93-4	1,2-Dibromoethane	ND		2910	3110	107	3120	107	0	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		2910	2800	96	2840	98	1	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		2910	2850	98	2930	101	3	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		2910	2750	94	2840	98	3	70-130/30
75-71-8	Dichlorodifluoromethane	ND		2910	2320	80	2390	82	3	70-130/30
75-34-3	1,1-Dichloroethane	ND		2910	2680	92	2740	94	2	70-130/30
107-06-2	1,2-Dichloroethane	ND		2910	2770	95	2790	96	1	70-130/30
75-35-4	1,1-Dichloroethene	ND		2910	2640	91	2770	95	5	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		2910	2720	93	2780	95	2	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		2910	2690	92	2740	94	2	70-130/30
78-87-5	1,2-Dichloropropane	ND		2910	2870	99	2900	100	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		2910	3000	103	3020	104	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		2910	3020	104	3000	103	1	70-130/30
100-41-4	Ethylbenzene	53.9	J	2910	3130	106	3170	107	1	70-130/30
76-13-1	Freon 113	ND		2910	2600	89	2670	92	3	70-130/30
591-78-6	2-Hexanone	ND		2910	3440	118	3440	118	0	70-130/30
98-82-8	Isopropylbenzene	ND		2910	2940	101	3010	103	2	70-130/30
79-20-9	Methyl Acetate	ND		2910	2770	95	2750	94	1	30-160/30
108-87-2	Methylcyclohexane	ND		2910	3030	104	3080	106	2	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		2910	2970	102	2960	102	0	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2910	3230	111	3140	108	3	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC24071-3MS	K73820.D	1	09/09/13	GK	n/a	n/a	MSK2397
MC24071-3MSD	K73821.D	1	09/09/13	GK	n/a	n/a	MSK2397
MC24071-3	K73812.D	1	09/09/13	GK	n/a	n/a	MSK2397

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24023-2

CAS No.	Compound	MC24071-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	ND		2910	2730	94	2750	94	1	70-130/30
100-42-5	Styrene	ND		2910	3260	112	3300	113	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		2910	3150	108	3120	107	1	70-130/30
127-18-4	Tetrachloroethene	ND		2910	3210	110	3320	114	3	70-130/30
108-88-3	Toluene	20.3	J	2910	2940	100	2990	102	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		2910	2710	93	2750	94	1	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		2910	2660	91	2700	93	1	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		2910	2970	102	2990	103	1	70-130/30
79-01-6	Trichloroethene	ND		2910	2950	101	2980	102	1	70-130/30
75-69-4	Trichlorofluoromethane	ND		2910	2580	89	2600	89	1	70-130/30
75-01-4	Vinyl chloride	ND		2910	2570	88	2480	85	4	70-130/30
1330-20-7	Xylene (total)	205		8730	9330	104	9490	106	2	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC24071-3	Limits
1868-53-7	Dibromofluoromethane	86%	86%	98%	70-130%
2037-26-5	Toluene-D8	95%	95%	98%	70-130%
460-00-4	4-Bromofluorobenzene	86%	88%	94%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC24064-1MS	M59063.D	1	09/09/13	KD	n/a	n/a	MSM2039
MC24064-1MSD	M59064.D	1	09/09/13	KD	n/a	n/a	MSM2039
MC24064-1	M59060.D	1	09/09/13	KD	n/a	n/a	MSM2039

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24023-1, MC24023-3, MC24023-5, MC24023-7

CAS No.	Compound	MC24064-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	21.2		60.6	61.1	66* [a]	60.1	69* [a]	2	70-130/30
71-43-2	Benzene	ND		60.6	51.4	85	50.5	90	2	70-130/30
75-27-4	Bromodichloromethane	ND		60.6	58.2	96	55.4	99	5	70-130/30
75-25-2	Bromoform	ND		60.6	81.5	135* [a]	79.7	142* [a]	2	70-130/30
74-83-9	Bromomethane	ND		60.6	55.4	91	49.6	88	11	70-130/30
78-93-3	2-Butanone (MEK)	ND		60.6	54.0	89	50.6	90	7	70-130/30
75-15-0	Carbon disulfide	2.8	J	60.6	57.1	90	53.2	90	7	70-130/30
56-23-5	Carbon tetrachloride	ND		60.6	46.0	76	56.3	100	20	70-130/30
108-90-7	Chlorobenzene	ND		60.6	43.8	72	50.0	89	13	70-130/30
75-00-3	Chloroethane	ND		60.6	61.7	102	53.0	95	15	70-130/30
67-66-3	Chloroform	ND		60.6	57.7	95	54.4	97	6	70-130/30
74-87-3	Chloromethane	ND		60.6	59.6	98	53.6	96	11	70-130/30
110-82-7	Cyclohexane	ND		60.6	21.3	35* [a]	40.4	72	62* [b]	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		60.6	57.3	95	60.4	108	5	70-130/30
124-48-1	Dibromochloromethane	ND		60.6	69.5	115	65.4	117	6	70-130/30
106-93-4	1,2-Dibromoethane	ND		60.6	70.6	117	66.1	118	7	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		60.6	25.1	41* [a]	36.5	65* [a]	37* [b]	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		60.6	22.5	37* [a]	35.4	63* [a]	45* [b]	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		60.6	23.2	38* [a]	35.6	63* [a]	42* [b]	70-130/30
75-71-8	Dichlorodifluoromethane	ND		60.6	50.5	83	45.8	82	10	70-130/30
75-34-3	1,1-Dichloroethane	ND		60.6	59.6	98	55.9	100	6	70-130/30
107-06-2	1,2-Dichloroethane	ND		60.6	59.8	99	55.1	98	8	70-130/30
75-35-4	1,1-Dichloroethene	ND		60.6	56.5	93	55.8	100	1	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		60.6	55.4	91	51.9	93	7	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		60.6	55.5	92	54.2	97	2	70-130/30
78-87-5	1,2-Dichloropropane	ND		60.6	53.7	89	50.9	91	5	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		60.6	53.4	88	50.1	89	6	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		60.6	60.8	100	56.0	100	8	70-130/30
100-41-4	Ethylbenzene	ND		60.6	31.4	52* [a]	44.9	80	35* [b]	70-130/30
76-13-1	Freon 113	ND		60.6	35.5	59* [a]	50.8	91	35* [b]	70-130/30
591-78-6	2-Hexanone	ND		60.6	65.1	107	58.3	104	11	70-130/30
98-82-8	Isopropylbenzene	ND		60.6	19.3	32* [a]	34.7	62* [a]	57* [b]	70-130/30
79-20-9	Methyl Acetate	ND		60.6	48.7	80	41.0	73	17	30-160/30
108-87-2	Methylcyclohexane	ND		60.6	14.2	23* [a]	41.5	74	98* [b]	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		60.6	63.4	105	57.2	102	10	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		60.6	80.5	133* [a]	73.3	131* [a]	9	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC24064-1MS	M59063.D	1	09/09/13	KD	n/a	n/a	MSM2039
MC24064-1MSD	M59064.D	1	09/09/13	KD	n/a	n/a	MSM2039
MC24064-1	M59060.D	1	09/09/13	KD	n/a	n/a	MSM2039

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24023-1, MC24023-3, MC24023-5, MC24023-7

CAS No.	Compound	MC24064-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	2.6	J	60.6	56.6	89	53.1	90	6	70-130/30
100-42-5	Styrene	ND		60.6	33.2	55* [a]	44.4	79	29	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		60.6	56.5	93	52.3	93	8	70-130/30
127-18-4	Tetrachloroethene	ND		60.6	37.1	61* [a]	55.3	99	39* [b]	70-130/30
108-88-3	Toluene	0.60	J	60.6	43.8	71	50.0	88	13	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		60.6	13.4	22* [a]	35.7	64* [a]	91* [b]	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		60.6	51.6	85	54.7	98	6	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		60.6	63.3	104	60.3	108	5	70-130/30
79-01-6	Trichloroethene	ND		60.6	46.2	76	49.0	87	6	70-130/30
75-69-4	Trichlorofluoromethane	ND		60.6	48.7	80	51.3	91	5	70-130/30
75-01-4	Vinyl chloride	ND		60.6	41.1	68* [a]	38.2	68* [a]	7	70-130/30
1330-20-7	Xylene (total)	ND		182	91.2	50* [a]	132	78	37* [b]	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC24064-1	Limits
1868-53-7	Dibromofluoromethane	77%	79%	79%	70-130%
2037-26-5	Toluene-D8	83%	85%	83%	70-130%
460-00-4	4-Bromofluorobenzene	86%	81%	86%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(b) High RPD due to possible matrix interference and/or sample non-homogeneity.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSK2393-BFB
Lab File ID: K73674.D
Instrument ID: GCMSK
Injection Date: 09/03/13
Injection Time: 14:01

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	17100	16.0		Pass
75	30.0 - 60.0% of mass 95	45549	42.6		Pass
95	Base peak, 100% relative abundance	106925	100.0		Pass
96	5.0 - 9.0% of mass 95	7471	6.99		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	104813	98.0		Pass
175	5.0 - 9.0% of mass 174	7453	6.97	(7.11) [a]	Pass
176	95.0 - 101.0% of mass 174	99584	93.1	(95.0) [a]	Pass
177	5.0 - 9.0% of mass 176	6455	6.04	(6.48) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSK2393-IC2393	K73675.D	09/03/13	14:28	00:27	Initial cal 0.5
MSK2393-IC2393	K73676.D	09/03/13	14:56	00:55	Initial cal 2
MSK2393-IC2393	K73677.D	09/03/13	15:24	01:23	Initial cal 5
MSK2393-IC2393	K73678.D	09/03/13	15:52	01:51	Initial cal 25
MSK2393-ICC2393	K73679.D	09/03/13	16:19	02:18	Initial cal 50
MSK2393-IC2393	K73680.D	09/03/13	16:46	02:45	Initial cal 100
MSK2393-IC2393	K73681.D	09/03/13	17:14	03:13	Initial cal 200
MSK2393-IC2393	K73682.D	09/03/13	17:41	03:40	Initial cal 400
MSK2393-ICV2393	K73685.D	09/03/13	19:04	05:03	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSK2397-BFB
Lab File ID: K73805.D
Instrument ID: GCMSK
Injection Date: 09/09/13
Injection Time: 09:19

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	17736	16.0		Pass
75	30.0 - 60.0% of mass 95	47280	42.6		Pass
95	Base peak, 100% relative abundance	110936	100.0		Pass
96	5.0 - 9.0% of mass 95	7523	6.78		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	114816	103.5		Pass
175	5.0 - 9.0% of mass 174	8707	7.85	(7.58) [a]	Pass
176	95.0 - 101.0% of mass 174	111192	100.2	(96.8) [a]	Pass
177	5.0 - 9.0% of mass 176	7625	6.87	(6.86) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSK2397-CC2393	K73805.D	09/09/13	09:19	00:00	Continuing cal 50
MSK2397-BS	K73806.D	09/09/13	09:46	00:27	Blank Spike
MSK2397-MB	K73809.D	09/09/13	11:08	01:49	Method Blank
MC24023-2	K73810.D	09/09/13	11:38	02:19	LBA-MW-24-(1)
ZZZZZZ	K73811.D	09/09/13	12:06	02:47	(unrelated sample)
MC24071-3	K73812.D	09/09/13	12:34	03:15	(used for QC only; not part of job MC24023)
ZZZZZZ	K73813.D	09/09/13	13:02	03:43	(unrelated sample)
ZZZZZZ	K73814.D	09/09/13	13:30	04:11	(unrelated sample)
ZZZZZZ	K73815.D	09/09/13	13:58	04:39	(unrelated sample)
ZZZZZZ	K73816.D	09/09/13	14:26	05:07	(unrelated sample)
ZZZZZZ	K73817.D	09/09/13	14:54	05:35	(unrelated sample)
ZZZZZZ	K73818.D	09/09/13	15:22	06:03	(unrelated sample)
ZZZZZZ	K73819.D	09/09/13	15:50	06:31	(unrelated sample)
MC24071-3MS	K73820.D	09/09/13	16:18	06:59	Matrix Spike
MC24071-3MSD	K73821.D	09/09/13	16:46	07:27	Matrix Spike Duplicate
ZZZZZZ	K73822.D	09/09/13	17:14	07:55	(unrelated sample)
ZZZZZZ	K73823.D	09/09/13	17:42	08:23	(unrelated sample)
ZZZZZZ	K73824.D	09/09/13	18:10	08:51	(unrelated sample)
ZZZZZZ	K73825.D	09/09/13	18:38	09:19	(unrelated sample)
ZZZZZZ	K73826.D	09/09/13	19:06	09:47	(unrelated sample)
ZZZZZZ	K73827.D	09/09/13	19:33	10:14	(unrelated sample)
ZZZZZZ	K73828.D	09/09/13	20:00	10:41	(unrelated sample)
ZZZZZZ	K73829.D	09/09/13	20:28	11:09	(unrelated sample)
ZZZZZZ	K73830.D	09/09/13	20:55	11:36	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSM2022-BFB
Lab File ID: M58633.D
Instrument ID: GCMSM
Injection Date: 08/21/13
Injection Time: 12:54

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	26707	23.5		Pass
75	30.0 - 60.0% of mass 95	58531	51.4		Pass
95	Base peak, 100% relative abundance	113843	100.0		Pass
96	5.0 - 9.0% of mass 95	7658	6.73		Pass
173	Less than 2.0% of mass 174	1127	0.99	(1.14) [a]	Pass
174	50.0 - 150.0% of mass 95	98749	86.7		Pass
175	5.0 - 9.0% of mass 174	7472	6.56	(7.57) [a]	Pass
176	95.0 - 101.0% of mass 174	95533	83.9	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	6321	5.55	(6.62) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM2022-IC2022	M58636.D	08/21/13	14:37	01:43	Initial cal 0.5
MSM2022-IC2022	M58637.D	08/21/13	15:07	02:13	Initial cal 2
MSM2022-IC2022	M58638.D	08/21/13	15:36	02:42	Initial cal 5
MSM2022-IC2022	M58639.D	08/21/13	16:05	03:11	Initial cal 10
MSM2022-IC2022	M58640.D	08/21/13	16:35	03:41	Initial cal 20
MSM2022-ICC2022	M58641.D	08/21/13	17:08	04:14	Initial cal 50
MSM2022-IC2022	M58642.D	08/21/13	17:37	04:43	Initial cal 100
MSM2022-IC2022	M58643.D	08/21/13	18:07	05:13	Initial cal 200
MSM2022-IC2022	M58644.D	08/21/13	18:36	05:42	Initial cal 400
MSM2022-ICV2022	M58647.D	08/21/13	20:04	07:10	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSM2039-BFB
Lab File ID: M59046.D
Instrument ID: GCMSM
Injection Date: 09/09/13
Injection Time: 08:51

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11514	16.5		Pass
75	30.0 - 60.0% of mass 95	29809	42.8		Pass
95	Base peak, 100% relative abundance	69638	100.0		Pass
96	5.0 - 9.0% of mass 95	4409	6.33		Pass
173	Less than 2.0% of mass 174	968	1.39	(1.22) [a]	Pass
174	50.0 - 150.0% of mass 95	79162	113.7		Pass
175	5.0 - 9.0% of mass 174	5560	7.98	(7.02) [a]	Pass
176	95.0 - 101.0% of mass 174	77056	110.7	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	4307	6.18	(5.59) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM2039-CC2022	M59046.D	09/09/13	08:51	00:00	Continuing cal 50
MSM2039-BS	M59047.D	09/09/13	09:21	00:30	Blank Spike
MSM2039-MB	M59050.D	09/09/13	10:50	01:59	Method Blank
ZZZZZZ	M59051.D	09/09/13	11:19	02:28	(unrelated sample)
ZZZZZZ	M59052.D	09/09/13	11:49	02:58	(unrelated sample)
ZZZZZZ	M59053.D	09/09/13	12:19	03:28	(unrelated sample)
ZZZZZZ	M59054.D	09/09/13	12:48	03:57	(unrelated sample)
ZZZZZZ	M59055.D	09/09/13	13:18	04:27	(unrelated sample)
MC24023-1	M59056.D	09/09/13	13:48	04:57	LBA-MW-22-(7)
MC24023-3	M59057.D	09/09/13	14:18	05:27	LBA-MW-25-(4)
MC24023-5	M59058.D	09/09/13	14:47	05:56	LBA-MW-26-(12)
MC24023-7	M59059.D	09/09/13	15:16	06:25	LBA-MW-27-(16-17.7)
MC24064-1	M59060.D	09/09/13	15:45	06:54	(used for QC only; not part of job MC24023)
ZZZZZZ	M59061.D	09/09/13	16:15	07:24	(unrelated sample)
ZZZZZZ	M59062.D	09/09/13	16:44	07:53	(unrelated sample)
MC24064-1MS	M59063.D	09/09/13	17:13	08:22	Matrix Spike
MC24064-1MSD	M59064.D	09/09/13	17:43	08:52	Matrix Spike Duplicate
ZZZZZZ	M59065.D	09/09/13	18:12	09:21	(unrelated sample)
ZZZZZZ	M59066.D	09/09/13	18:42	09:51	(unrelated sample)
ZZZZZZ	M59067.D	09/09/13	19:11	10:20	(unrelated sample)
ZZZZZZ	M59068.D	09/09/13	19:40	10:49	(unrelated sample)
ZZZZZZ	M59069.D	09/09/13	20:10	11:19	(unrelated sample)
ZZZZZZ	M59070.D	09/09/13	20:39	11:48	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	MSK2397-CC2393	**Injection Date:**	09/09/13
Lab File ID:	K73805.D	**Injection Time:**	09:19
Instrument ID:	GCMSK	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	329309	8.84	462500	9.68	191996	12.94	217033	15.50	26392	6.42
Upper Limit [a]	658618	9.34	925000	10.18	383992	13.44	434066	16.00	52784	6.92
Lower Limit [b]	164655	8.34	231250	9.18	95998	12.44	108517	15.00	13196	5.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSK2397-BS	323575	8.84	451216	9.68	189063	12.94	212496	15.50	28344	6.41
MSK2397-MB	342880	8.84	494843	9.68	199106	12.94	235475	15.50	38282	6.42
MC24023-2	316983	8.83	462967	9.68	186122	12.94	210736	15.50	49099	6.42
ZZZZZZ	333351	8.84	479360	9.68	191084	12.94	224291	15.50	48802	6.42
MC24071-3	349483	8.84	505043	9.68	202813	12.94	226364	15.50	49529	6.42
ZZZZZZ	385832	8.84	554601	9.69	218443	12.94	260604	15.50	57907[c]	6.42
ZZZZZZ	383742	8.84	545669	9.69	228473	12.94	265225	15.50	61470[c]	6.42
ZZZZZZ	410225	8.84	597450	9.69	242617	12.94	290338	15.50	57486[c]	6.42
ZZZZZZ	391891	8.84	574165	9.69	226261	12.94	264662	15.50	58223[c]	6.42
ZZZZZZ	395711	8.84	562690	9.69	218537	12.94	263667	15.50	59388[c]	6.42
ZZZZZZ	350635	8.84	497390	9.69	198133	12.94	231171	15.50	56593[c]	6.42
ZZZZZZ	392556	8.84	562966	9.69	224981	12.94	262909	15.50	60873[c]	6.42
MC24071-3MS	362794	8.84	509045	9.69	213993	12.94	238191	15.50	50047	6.42
MC24071-3MSD	375790	8.84	525392	9.69	219070	12.94	242350	15.50	54145[c]	6.42
ZZZZZZ	381200	8.84	538367	9.69	213137	12.94	256835	15.50	53851[c]	6.42
ZZZZZZ	348121	8.85	497617	9.69	205013	12.95	244976	15.51	49580	6.42
ZZZZZZ	363275	8.85	516981	9.69	211285	12.95	246465	15.51	51494	6.42
ZZZZZZ	338127	8.85	485079	9.69	199761	12.95	236981	15.51	48068	6.42
ZZZZZZ	335636	8.85	482837	9.69	195101	12.95	223491	15.51	40514	6.42
ZZZZZZ	333343	8.85	479415	9.69	192482	12.95	223828	15.51	36344	6.42
ZZZZZZ	338654	8.85	495811	9.69	202438	12.95	242048	15.51	46374	6.43
ZZZZZZ	328162	8.85	481005	9.69	194989	12.95	229768	15.51	36755	6.42
ZZZZZZ	352728	8.85	494073	9.69	197627	12.95	235738	15.51	41088	6.42

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits. Target analytes not associated with this internal standard.

Volatile Internal Standard Area Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std: MSM2039-CC2022 **Injection Date:** 09/09/13
Lab File ID: M59046.D **Injection Time:** 08:51
Instrument ID: GCMSM **Method:** SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	396695	9.35	668568	10.23	314658	13.51	394718	16.07	151692	6.84
Upper Limit [a]	793390	9.85	1337136	10.73	629316	14.01	789436	16.57	303384	7.34
Lower Limit [b]	198348	8.85	334284	9.73	157329	13.01	197359	15.57	75846	6.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSM2039-BS	415801	9.35	694969	10.23	323691	13.51	392033	16.07	160226	6.84
MSM2039-MB	406482	9.35	669600	10.23	288136	13.51	342292	16.07	158206	6.84
ZZZZZZ	397428	9.35	646479	10.23	280744	13.51	341103	16.07	273302	6.84
ZZZZZZ	373032	9.36	631201	10.23	263443	13.50	272142	16.07	324706[c]	6.85
ZZZZZZ	381520	9.36	628562	10.23	276951	13.51	322272	16.07	332966[c]	6.84
ZZZZZZ	371050	9.36	619313	10.23	273317	13.51	302052	16.07	344806[c]	6.85
ZZZZZZ	404677	9.36	665097	10.23	291775	13.50	335253	16.07	314446[c]	6.84
MC24023-1	392713	9.36	647374	10.23	285145	13.51	336440	16.07	302810	6.84
MC24023-3	403479	9.36	660207	10.23	286858	13.51	335378	16.07	274371	6.84
MC24023-5	391964	9.36	648129	10.23	286947	13.51	343221	16.07	305208[c]	6.84
MC24023-7	396702	9.36	652777	10.23	285649	13.51	341264	16.07	281119	6.84
MC24064-1	396149	9.35	653259	10.23	285633	13.50	340127	16.07	303152	6.84
ZZZZZZ	405782	9.35	658042	10.23	294134	13.51	364161	16.07	307841[c]	6.84
ZZZZZZ	425917	9.36	698097	10.23	308279	13.51	390638	16.07	363415[c]	6.84
MC24064-1MS	477020	9.36	778444	10.23	350739	13.51	397879	16.07	371133[c]	6.85
MC24064-1MSD	472479	9.35	769630	10.23	355283	13.50	425569	16.07	363960[c]	6.84
ZZZZZZ	416194	9.35	679284	10.23	302296	13.51	353552	16.07	378722[c]	6.84
ZZZZZZ	410070	9.36	691705	10.23	290928	13.51	299874	16.07	394201[c]	6.84
ZZZZZZ	419972	9.36	694878	10.24	302812	13.51	355628	16.07	403928[c]	6.84
ZZZZZZ	407610	9.35	663379	10.23	286609	13.51	326793	16.07	359057[c]	6.84
ZZZZZZ	417196	9.35	676129	10.23	298086	13.51	367340	16.07	349236[c]	6.84
ZZZZZZ	387110	9.35	634570	10.23	278000	13.51	326780	16.07	361722[c]	6.84

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits. Target analytes not associated with this internal standard.

Volatile Surrogate Recovery Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC24023-1	M59056.D	80.0	84.0	84.0
MC24023-2	K73810.D	96.0	95.0	91.0
MC24023-3	M59057.D	78.0	83.0	86.0
MC24023-5	M59058.D	81.0	84.0	84.0
MC24023-7	M59059.D	79.0	84.0	85.0
MC24064-1MS	M59063.D	77.0	83.0	86.0
MC24064-1MSD	M59064.D	79.0	85.0	81.0
MC24071-3MS	K73820.D	86.0	95.0	86.0
MC24071-3MSD	K73821.D	86.0	95.0	88.0
MSK2397-BS	K73806.D	96.0	107.0	94.0
MSK2397-MB	K73809.D	104.0	104.0	93.0
MSM2039-BS	M59047.D	78.0	84.0	78.0
MSM2039-MB	M59050.D	77.0	84.0	84.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC24023 **Sample:** MSK2393-ICC2393
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K73679.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report MSK

Method : C:\msdchem\1\methods\K130903S.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration

Calibration Files
0.5 =k73675.D 2 =k73676.D 5 =k73677.D 50 =k73679.D
100 =k73680.D 200 =k73681.D 400 =k73682.D 25 =k73678.D
= =

Compound	0.5	2	5	50	100	200	400	25	Avg	%RSD
1) Tert butyl alcohol-d9	----------ISTD----------									
2) tertiary butyl alcohol	1.419	1.529	1.478	1.432	1.472	1.400	1.470		1.457	2.98
3) Ethanol	0.146	0.148	0.131	0.123	0.109	0.128	0.136		0.132	10.18
4) I pentafluorobenzene	----------ISTD----------									
5) dichlorodifluoromethane	0.667	0.662	0.638	0.617	0.591	0.579	0.647		0.629	5.44
6) chloromethane	0.609	0.531	0.448	0.450	0.406	0.523			0.495	14.93
7) vinyl chloride	0.453	0.498	0.459	0.438	0.442	0.393	0.461		0.449	7.02
8) bromomethane	0.472	0.448	0.395	0.364	0.361	0.344	0.377		0.395	12.10
9) chloroethane	0.258	0.290	0.272	0.250	0.247	0.236	0.272		0.261	7.01
10) dichlorofluoromethane	0.819	0.872	0.812	0.746	0.726	0.685	0.829		0.784	8.46
11) ethyl ether	0.284	0.282	0.294	0.284	0.279	0.270	0.286		0.283	2.62
12) acetonitrile	0.047	0.042	0.040	0.035	0.037	0.045			0.041	11.31
13) trichlorofluoromethane	0.811	0.876	0.822	0.801	0.769	0.733	0.860		0.810	6.11
14) freon-113	0.480	0.475	0.453	0.434	0.419	0.398	0.484		0.449	7.37
15) acrolein	0.013	0.013	0.014	0.015	0.015	0.013			0.014	6.28
16) 1,1-dichloroethene	0.472	0.452	0.411	0.399	0.392	0.378	0.433		0.420	8.09
17) acetone	0.066	0.063	0.057	0.057	0.060	0.061	0.057		0.060	5.84
18) Methyl Acetate	0.288	0.340	0.314	0.298	0.280	0.270	0.319		0.301	8.12
19) methylene chloride	0.493	0.535	0.480	0.436	0.422	0.407	0.477		0.464	9.71
20) methyl tert butyl ether	0.851	0.933	0.932	0.893	0.893	0.872	0.901		0.897	3.31
21) acrylonitrile	0.057	0.083	0.089	0.088	0.085	0.083	0.087		0.082	13.73
22) allyl chloride	0.639	0.691	0.663	0.592	0.581	0.560	0.659		0.626	7.81
23) trans-1,2-dichloroethene										

		0.548	0.546	0.507	0.480	0.467	0.461	0.508	0.502	6.98
24)	iodomethane									
		0.881	0.952	0.954	0.875	0.857	0.834	0.937	0.899	5.38
25)	carbon disulfide									
		1.268	1.399	1.306	1.227	1.215	1.208	1.314	1.277	5.36
26)	propionitrile									
			0.021	0.032	0.032	0.031	0.033	0.032	0.030	14.92
27)	vinyl acetate									
		0.517	0.585	0.639	0.659	0.656	0.624	0.574	0.608	8.50
28)	chloroprene									
		0.554	0.623	0.668	0.654	0.638	0.605	0.662	0.629	6.33
29)	di-isopropyl ether									
		1.303	1.493	1.387	1.247	1.182	1.091	1.387	1.299	10.56
30)	methacrylonitrile									
		0.149	0.189	0.167	0.175	0.169	0.172	0.180	0.171	7.25
31)	2-butanone									
			0.018	0.025	0.025	0.026	0.025	0.025	0.024	11.45
32)	Hexane									
		0.701	0.783	0.666	0.624	0.578	0.505	0.702	0.651	14.03
33)	1,1-dichloroethane									
		0.741	0.794	0.775	0.708	0.688	0.665	0.760	0.733	6.46
34)	tert-butyl ethyl ether									
		1.036	1.175	1.176	1.086	1.085	1.027	1.150	1.105	5.68
35)	isobutyl alcohol									
		0.033	0.037	0.032	0.029	0.028	0.027	0.032	0.031	10.68
36)	2,2-dichloropropane									
		0.606	0.629	0.558	0.524	0.516	0.502	0.561	0.557	8.50
37)	cis-1,2-dichloroethene									
		0.589	0.608	0.555	0.521	0.507	0.486	0.553	0.546	8.08
38)	ethyl acetate									
		0.163	0.186	0.160	0.144	0.138	0.135	0.162	0.156	11.52
39)	bromochloromethane									
		0.272	0.292	0.269	0.252	0.249	0.239	0.265	0.263	6.72
40)	chloroform									
		0.773	0.879	0.811	0.733	0.708	0.666	0.808	0.768	9.34
41)	dibromofluoromethane (s)									
		0.462	0.637	0.584	0.524	0.496	0.485	0.456	0.498	0.518	12.09
42)	Tetrahydrofuran									
		0.066	0.068	0.065	0.063	0.064	0.065	0.063	0.065	2.70
43)	1,1,1-trichloroethane									
		0.687	0.710	0.687	0.660	0.647	0.631	0.692	0.673	4.19
44)	n-Butyl Alcohol									
		0.025	0.026	0.027	0.026	0.025	0.024	0.027	0.026	4.15
45)	I 1,4-difluorobenzene	----------	ISTD	----------						
46)	Cyclohexane									
		0.403	0.431	0.452	0.445	0.440	0.430	0.454	0.436	3.98
47)	carbon tetrachloride									
		0.408	0.414	0.420	0.405	0.400	0.389	0.421	0.408	2.79
48)	1,1-dichloropropene									
		0.384	0.412	0.433	0.427	0.419	0.406	0.422	0.415	3.90
49)	benzene									
		1.128	1.162	1.276	1.221	1.135	1.103	1.052	1.207	1.160	6.17
50)	1,2-dichloroethane									
		0.345	0.407	0.401	0.395	0.393	0.378	0.387	0.387	5.33
51)	tert-amyl methyl ether									
		0.836	0.712	0.665	0.652	0.661	0.651	0.640	0.688	10.06
52)	heptane									
		0.360	0.392	0.416	0.431	0.421	0.381	0.416	0.403	6.36
53)	2-Nitropropane									

Initial Calibration Summary

Job Number: MC24023 **Sample:** MSK2393-ICC2393
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K73679.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

		0.360	0.392	0.416	0.431	0.421	0.381	0.416	0.403	6.36
54)	trichloroethene									
		0.279	0.344	0.393	0.378	0.356	0.352	0.339	0.377	0.352	9.93
55)	1,2-dichloropropane									
		0.295	0.319	0.314	0.298	0.299	0.287	0.316	0.304	3.98
56)	dibromomethane									
		0.145	0.170	0.162	0.157	0.158	0.153	0.158	0.157	4.88
57)	bromodichloromethane									
		0.387	0.399	0.416	0.405	0.402	0.395	0.407	0.401	2.31
58)	Methylcyclohexane									
		0.370	0.429	0.461	0.457	0.453	0.461	0.460	0.441	7.61
59)	2-chloroethyl vinyl ether									
			0.112	0.138	0.144	0.151	0.154	0.127	0.137	11.55
60)	methyl methacrylate									
			0.098	0.114	0.120	0.126	0.130	0.108	0.116	10.25
61)	1,4-dioxane									
				0.001	0.001	0.001	0.001	0.001	0.001	13.13
62)	cis-1,3-dichloropropene									
		0.426	0.497	0.523	0.512	0.517	0.501	0.501	0.497	6.58
63)	toluene-d8 (s)									
		1.064	1.448	1.332	1.299	1.276	1.243	1.149	1.243	1.257	9.20
64)	4-methyl-2-pentanone									
		0.107	0.144	0.152	0.157	0.158	0.160	0.146	0.146	12.67
65)	toluene									
		0.774	0.850	0.841	0.796	0.777	0.739	0.827	0.801	5.08
66)	trans-1,3-dichloropropene									
		0.330	0.378	0.430	0.425	0.433	0.424	0.403	0.403	9.36
67)	1,1,2-trichloroethane									
		0.183	0.205	0.203	0.198	0.200	0.195	0.200	0.198	3.67
68)	ethyl methacrylate									
		0.161	0.195	0.224	0.229	0.236	0.235	0.212	0.213	12.72
69)	I chlorobenzene-d5	----------	ISTD	----------						
70)	tetrachloroethene									
		0.712	0.929	1.002	0.970	0.936	0.880	0.769	0.969	0.896	11.57
71)	1,3-dichloropropane									
		0.856	0.988	0.887	0.843	0.802	0.714	0.867	0.851	9.76
72)	dibromochloromethane									
		0.692	0.774	0.820	0.803	0.788	0.708	0.770	0.765	6.25
73)	1,2-dibromoethane									
		0.545	0.644	0.642	0.632	0.613	0.550	0.615	0.606	6.87
74)	2-hexanone									
		0.159	0.185	0.227	0.230	0.236	0.213	0.214	0.209	13.18
75)	chlorobenzene									
		2.564	2.828	2.610	2.401	2.236	1.948	2.552	2.448	11.69
76)	1-chlorohexane									
		0.873	0.975	1.108	1.089	1.033	0.889	1.055	1.003	9.34
77)	1,1,1,2-tetrachloroethane									
		0.860	0.993	0.944	0.863	0.806	0.685	0.916	0.867	11.66
78)	ethylbenzene									
		3.359	3.844	3.863	3.577	3.341	2.839	3.730	3.507	10.35
79)	m,p-xylene									
		1.437	1.651	1.594	1.471	1.368	1.147	1.598	1.466	11.82
80)	o-xylene									
		1.431	1.638	1.583	1.445	1.354	1.166	1.576	1.456	11.18
81)	styrene									
		1.730	2.151	2.521	2.400	2.282	1.942	2.344	2.196	12.61
82)	bromoform									
		0.359	0.363	0.395	0.405	0.418	0.393	0.371	0.386	5.80
83)	cis-1,4-dichloro-2-butene									

Initial Calibration Summary

Job Number: MC24023 **Sample:** MSK2393-ICC2393
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K73679.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                0.104 0.159 0.197 0.203 0.207 0.189 0.173         0.176   20.57
            ---- Linear regression ----  Coefficient =  0.9977
              Response Ratio = 0.00682 + 0.19215 *A

 84)  trans-1,4-dichloro-2-butene
                0.102 0.141 0.141 0.141 0.139 0.125 0.134         0.132   10.99

 85) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
 86)  isopropylbenzene
                2.968 3.454 3.679 3.564 3.483 3.355 3.587         3.441    6.77
 87)  bromofluorobenzene (s)
           1.163 1.202 1.063 1.005 1.016 1.003 0.979 0.944         1.047    8.68
 88)  bromobenzene
                0.906 1.034 1.052 1.047 1.048 1.042 1.008         1.020    5.11
 89)  1,1,2,2-tetrachloroethane
                0.490 0.536 0.486 0.483 0.479 0.475 0.479         0.490    4.29
 90)  1,2,3-trichloropropane
                0.472 0.543 0.546 0.569 0.586 0.601 0.532         0.550    7.71
 91)  n-propylbenzene
                3.268 3.796 4.072 3.990 3.860 3.695 3.988         3.810    7.12
 92)  2-chlorotoluene
                2.212 2.562 2.502 2.438 2.385 2.340 2.478         2.417    4.82
 93)  4-chlorotoluene
                2.187 2.594 2.558 2.474 2.435 2.356 2.515         2.446    5.67
 94)  1,3,5-trimethylbenzene
                2.495 2.908 2.942 2.831 2.778 2.710 2.893         2.794    5.52
 95)  tert-butylbenzene
                1.334 1.582 1.623 1.602 1.545 1.459 1.593         1.534    6.74
 96)  1,2,4-trimethylbenzene
                2.379 2.861 2.980 2.882 2.808 2.719 2.901         2.790    7.12
 97)  sec-butylbenzene
                3.092 3.607 3.696 3.588 3.476 3.353 3.644         3.494    6.04
 98)  1,3-dichlorobenzene
                1.963 2.078 2.031 1.969 1.927 1.869 1.977         1.973    3.43
 99)  p-isopropyltoluene
                2.680 2.889 2.878 2.763 2.684 2.572 2.812         2.754    4.21
100)  1,4-dichlorobenzene
                1.801 1.991 1.889 1.823 1.767 1.648 1.869         1.827    5.86
101)  1,2-dichlorobenzene
                1.612 1.855 1.830 1.806 1.790 1.742 1.757         1.770    4.53
102)  n-butylbenzene
                2.262 2.534 2.691 2.590 2.506 2.387 2.622         2.513    5.83
103)  1,2-dibromo-3-chloropropane
                0.063 0.074 0.071 0.074 0.077 0.083 0.066         0.073    9.24
104)  1,3,5-trichlorobenzene
                1.157 1.241 1.293 1.281 1.275 1.292 1.220         1.251    3.97
105)  1,2,4-trichlorobenzene
                0.880 0.965 1.025 1.017 1.044 1.077 0.952         0.994    6.67
106)  hexachlorobutadiene
                0.676 0.605 0.542 0.525 0.517 0.504 0.531         0.557   11.09
107)  naphthalene
                1.292 1.399 1.574 1.627 1.675 1.764 1.447         1.540   10.85
108)  1,2,3-trichlorobenzene
                0.650 0.686 0.741 0.751 0.768 0.812 0.689         0.728    7.66
109)  2-methylnaphthalene
                0.423 0.459 0.521 0.568 0.636 0.681 0.442         0.533   18.73
            ---- Linear regression ----  Coefficient =  0.9979
              Response Ratio = -0.05611 + 0.68534 *A

110)  1-methylnaphthalene
```

Initial Calibration Summary

Job Number: MC24023 **Sample:** MSK2393-ICC2393
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K73679.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                        0.722 1.216 1.346 1.361 1.419 1.153         1.203   21.22
              ---- Linear regression ----  Coefficient =  0.9997
                Response Ratio = -0.08116 + 1.43125 *A

 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           K130903S.m        Fri Sep 06 12:22:45 2013
```

Initial Calibration Verification

Job Number: MC24023 **Sample:** MSK2393-ICV2393
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K73685.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\130903\k73685.D Vial: 14
Acq On : 3 Sep 2013 7:04 pm Operator: GaryK
Sample : icv2393-50 Inst : MSK
Misc : ms29792,msk2393,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\K130903S.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Sep 04 08:37:25 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		Tert butyl alcohol-d9	1.000	1.000	0.0	102	0.00	6.42
2		tertiary butyl alcohol	1.457	1.689	-15.9	117	0.00	6.51
3	T	Ethanol	0.132	0.114	13.6	89	0.00	5.34
4	I	pentafluorobenzene	1.000	1.000	0.0	103	0.00	8.84
5	M	dichlorodifluoromethane	0.629	0.596	5.2	96	0.00	4.24
6	P	chloromethane	0.495	0.562	-13.5	109	0.00	4.46
7	c	vinyl chloride	0.449	0.373	16.9	84	0.00	4.70
8	M	bromomethane	0.395	0.420	-6.3	110	0.00	5.18
9	M	chloroethane	0.261	0.293	-12.3	111	0.00	5.34
10	m	dichlorofluoromethane	0.784	0.886	-13.0	113	0.00	5.39
11	M	ethyl ether	0.283	0.309	-9.2	109	0.00	6.18
12	M	acetonitrile	0.041	0.046	-12.2	114	0.00	6.51
13	M	trichlorofluoromethane	0.810	0.826	-2.0	104	0.00	5.97
14	M	freon-113	0.449	0.504	-12.2	115	0.00	6.74
15	M	acrolein	0.014	0.001	92.9#	8#	0.03	5.96
16	c	1,1-dichloroethene	0.420	0.472	-12.4	118	0.00	6.55
17	M	acetone	0.060	0.060	0.0	109	0.00	6.05
18	M	Methyl Acetate	0.301	0.254	15.6	83	0.00	6.67
19	M	methylene chloride	0.464	0.502	-8.2	108	0.00	6.68
20	M	methyl tert butyl ether	0.897	0.995	-10.9	110	0.00	7.45
21	M	acrylonitrile	0.082	0.097	-18.3	113	0.00	6.55
22	M	allyl chloride	0.626	0.663	-5.9	103	0.00	6.77
23	M	trans-1,2-dichloroethene	0.502	0.534	-6.4	109	0.00	7.35
24	M	iodomethane	0.899	0.981	-9.1	106	0.00	6.59
25	M	carbon disulfide	1.277	1.341	-5.0	106	0.00	6.96
26	M	propionitrile	0.030	0.033	-10.0	106	0.00	7.57
27	M	vinyl acetate	0.608	0.479	21.2#	77	0.00	7.66
28	M	chloroprene	0.629	0.754	-19.9	116	0.00	7.96
29	M	di-isopropyl ether	1.299	1.375	-5.9	102	0.00	8.01
30	M	methacrylonitrile	0.171	0.182	-6.4	112	0.00	8.08
31	M	2-butanone	0.024	0.027	-12.5	112	0.00	7.98
32	M	Hexane	0.651	0.685	-5.2	106	0.00	7.99
33	P	1,1-dichloroethane	0.733	0.870	-18.7	116	0.00	7.60
34	M	tert-butyl ethyl ether	1.105	1.249	-13.0	110	0.00	8.39
35	M	isobutyl alcohol	0.031	0.034	-9.7	111	0.00	8.40
36	M	2,2-dichloropropane	0.557	0.597	-7.2	110	0.00	8.46
37	M	cis-1,2-dichloroethene	0.546	0.574	-5.1	107	0.00	8.17
38	M	ethyl acetate	0.156	0.172	-10.3	110	0.00	8.40
39	M	bromochloromethane	0.263	0.305	-16.0	117	0.00	8.32
40	c	chloroform	0.768	0.889	-15.8	113	0.00	8.36
41	S	dibromofluoromethane (s)	0.518	0.527	-1.7	104	0.00	8.47

Initial Calibration Verification

Job Number: MC24023 **Sample:** MSK2393-ICV2393
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K73685.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42	M	Tetrahydrofuran	0.065	0.067	-3.1	107	0.00	8.68
43	M	1,1,1-trichloroethane	0.673	0.785	-16.6	118	0.00	9.12
44		n-Butyl Alcohol	0.026	0.028	-7.7	110	0.00	9.42
45	I	1,4-difluorobenzene	1.000	1.000	0.0	101	0.00	9.69
46	M	Cyclohexane	0.436	0.489	-12.2	110	0.00	9.42
47	M	carbon tetrachloride	0.408	0.478	-17.2	115	0.00	9.48
48	M	1,1-dichloropropene	0.415	0.453	-9.2	106	0.00	9.29
49	M	benzene	1.160	1.250	-7.8	104	0.00	9.49
50	M	1,2-dichloroethane	0.387	0.427	-10.3	108	0.00	8.99
51	M	tert-amyl methyl ether	0.688	0.733	-6.5	112	0.00	9.63
52	M	heptane	0.403	0.411	-2.0	100	0.00	10.00
53		2-Nitropropane	0.403	0.411	-2.0	100	0.00	10.00
54	M	trichloroethene	0.352	0.383	-8.8	103	0.00	10.12
55	c	1,2-dichloropropane	0.304	0.331	-8.9	107	0.00	10.07
56	M	dibromomethane	0.157	0.191	-21.7#	120	0.00	10.05
57	M	bromodichloromethane	0.401	0.449	-12.0	110	0.00	10.16
58	M	Methylcyclohexane	0.441	0.501	-13.6	110	0.00	10.66
59	M	2-chloroethyl vinyl ether	0.137	0.110	19.7	81	0.00	10.53
60	M	methyl methacrylate	0.116	0.130	-12.1	115	0.00	10.25
61	M	1,4-dioxane	0.001	0.001	0.0	113	0.00	10.24
62	M	cis-1,3-dichloropropene	0.497	0.534	-7.4	104	0.00	10.79
63	S	toluene-d8 (s)	1.257	1.342	-6.8	105	0.00	11.48
64	M	4-methyl-2-pentanone	0.146	0.169	-15.8	113	0.00	10.87
65	c	toluene	0.801	0.882	-10.1	106	0.00	11.55
66	M	trans-1,3-dichloropropene	0.403	0.470	-16.6	111	0.00	11.20
67	M	1,1,2-trichloroethane	0.198	0.219	-10.6	110	0.00	11.37
68	M	ethyl methacrylate	0.213	0.256	-20.2#	116	0.00	11.57
69	I	chlorobenzene-d5	1.000	1.000	0.0	103	0.00	12.94
70	M	tetrachloroethene	0.896	1.117	-24.7#	118	0.00	12.31
71	M	1,3-dichloropropane	0.851	0.946	-11.2	110	0.00	11.61
72	M	dibromochloromethane	0.765	0.893	-16.7	112	0.00	11.89
73	M	1,2-dibromoethane	0.606	0.687	-13.4	110	0.00	12.14
74	M	2-hexanone	0.209	0.241	-15.3	109	0.00	11.72
75	P	chlorobenzene	2.448	2.593	-5.9	102	0.00	12.98
76	m	1-chlorohexane	1.003	1.180	-17.6	110	0.00	12.87
77	M	1,1,1,2-tetrachloroethane	0.867	0.977	-12.7	106	0.00	12.90
78	c	ethylbenzene	3.507	3.951	-12.7	105	0.00	13.15
79	M	m,p-xylene	1.466	1.609	-9.8	104	0.00	13.33
80	M	o-xylene	1.456	1.558	-7.0	101	0.00	13.74
81	M	styrene	2.196	2.602	-18.5	106	0.00	13.67
82	P	bromoform	0.386	0.477	-23.6#	124	0.00	13.49
		----------	Amount	Calc.	%Drift		----------	
83	m	cis-1,4-dichloro-2-butene	50.000	54.405	-8.8	113	0.00	13.57
		----------	AvgRF	CCRF	%Dev		----------	
84	M	trans-1,4-dichloro-2-bute	0.132	0.155	-17.4	114	0.00	13.89
85	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	15.50
86	M	isopropylbenzene	3.441	3.673	-6.7	102	0.00	14.11
87	S	bromofluorobenzene (s)	1.047	1.041	0.6	106	0.00	14.16
88	M	bromobenzene	1.020	1.122	-10.0	109	0.00	14.39
89	P	1,1,2,2-tetrachloroethane	0.490	0.532	-8.6	112	0.00	13.75
90	M	1,2,3-trichloropropane	0.550	0.611	-11.1	115	0.00	13.89
91	M	n-propylbenzene	3.810	4.025	-5.6	101	0.00	14.55
92	M	2-chlorotoluene	2.417	2.453	-1.5	100	0.00	14.68
93	M	4-chlorotoluene	2.446	2.602	-6.4	104	0.00	14.75
94	M	1,3,5-trimethylbenzene	2.794	2.919	-4.5	102	0.00	14.83

Initial Calibration Verification

Job Number: MC24023 **Sample:** MSK2393-ICV2393
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K73685.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

95	M	tert-butylbenzene	1.534	1.604	-4.6	101	0.00	15.13
96	M	1,2,4-trimethylbenzene	2.790	2.960	-6.1	102	0.00	15.24
97	M	sec-butylbenzene	3.494	3.647	-4.4	101	0.00	15.36
98	M	1,3-dichlorobenzene	1.973	2.018	-2.3	102	0.00	15.47
99	M	p-isopropyltoluene	2.754	3.038	-10.3	108	0.00	15.53
100	M	1,4-dichlorobenzene	1.827	1.981	-8.4	107	0.00	15.53
101	M	1,2-dichlorobenzene	1.770	1.849	-4.5	103	0.00	15.91
102	M	n-butylbenzene	2.513	2.699	-7.4	103	0.00	15.95
103	M	1,2-dibromo-3-chloropropa	0.073	0.077	-5.5	111	0.00	16.37
104		1,3,5-trichlorobenzene	1.251	1.249	0.2	99	0.00	17.19
105	M	1,2,4-trichlorobenzene	0.994	1.101	-10.8	110	0.00	17.73
106	M	hexachlorobutadiene	0.557	0.599	-7.5	113	0.00	18.03
107	M	naphthalene	1.540	1.691	-9.8	110	0.00	17.98
108	M	1,2,3-trichlorobenzene	0.728	0.809	-11.1	112	0.00	18.20

		Amount	Calc.	%Drift			
109	2-methylnaphthalene	25.000	25.709	-2.8	117	0.00	19.32
110	1-methylnaphthalene	25.000	33.206	-32.8#	147	0.00	19.57

(#) = Out of Range SPCC's out = 0 CCC's out = 0
k73679.D K130903S.m Fri Sep 06 12:22:12 2013

Continuing Calibration Summary

Job Number: MC24023 **Sample:** MSK2397-CC2393
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K73805.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\130909\k73805.D Vial: 2
Acq On : 9 Sep 2013 9:19 am Operator: GaryK
Sample : cc2393-50 Inst : MSK
Misc : ms29832,msk2397,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\K130903S.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Sep 04 08:37:25 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		Tert butyl alcohol-d9	1.000	1.000	0.0	69	0.00	6.42
2		tertiary butyl alcohol	1.457	1.648	-13.1	77	0.00	6.51
3	T	Ethanol	0.132	0.112	15.2	59	-0.02	5.33
4	I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	8.84
5	M	dichlorodifluoromethane	0.629	0.639	-1.6	102	0.00	4.24
6	P	chloromethane	0.495	0.504	-1.8	97	0.00	4.46
7	c	vinyl chloride	0.449	0.501	-11.6	112	0.00	4.70
8	M	bromomethane	0.395	0.415	-5.1	108	0.00	5.18
9	M	chloroethane	0.261	0.268	-2.7	101	0.00	5.34
10	m	dichlorofluoromethane	0.784	0.809	-3.2	102	0.00	5.39
11	M	ethyl ether	0.283	0.265	6.4	92	0.00	6.18
12	M	acetonitrile	0.041	0.029	29.3#	72	0.00	6.51
13	M	trichlorofluoromethane	0.810	0.833	-2.8	104	0.00	5.97
14	M	freon-113	0.449	0.466	-3.8	105	0.00	6.74
15	M	acrolein	0.014	0.012	14.3	98	0.00	5.93
16	c	1,1-dichloroethene	0.420	0.428	-1.9	107	0.00	6.54
17	M	acetone	0.060	0.048	20.0	86	0.00	6.05
18	M	Methyl Acetate	0.301	0.250	16.9	82	0.00	6.67
19	M	methylene chloride	0.464	0.472	-1.7	101	0.00	6.68
20	M	methyl tert butyl ether	0.897	0.880	1.9	97	0.00	7.44
21	M	acrylonitrile	0.082	0.077	6.1	88	0.00	6.55
22	M	allyl chloride	0.626	0.597	4.6	92	0.00	6.76
23	M	trans-1,2-dichloroethene	0.502	0.515	-2.6	104	0.00	7.35
24	M	iodomethane	0.899	1.010	-12.3	109	0.00	6.59
25	M	carbon disulfide	1.277	1.315	-3.0	103	0.00	6.96
26	M	propionitrile	0.030	0.026	13.3	85	0.00	7.57
27	M	vinyl acetate	0.608	0.588	3.3	94	0.00	7.66
28	M	chloroprene	0.629	0.615	2.2	94	0.00	7.95
29	M	di-isopropyl ether	1.299	1.236	4.8	91	0.00	8.00
30	M	methacrylonitrile	0.171	0.144	15.8	88	0.00	8.09
31	M	2-butanone	0.024	0.024	0.0	99	0.00	7.98
32	M	Hexane	0.651	0.620	4.8	95	0.00	7.99
33	P	1,1-dichloroethane	0.733	0.725	1.1	96	0.00	7.60
34	M	tert-butyl ethyl ether	1.105	1.090	1.4	95	0.00	8.39
35	M	isobutyl alcohol	0.031	0.027	12.9	88	0.00	8.39
36	M	2,2-dichloropropane	0.557	0.586	-5.2	107	0.00	8.46
37	M	cis-1,2-dichloroethene	0.546	0.551	-0.9	102	0.00	8.17
38	M	ethyl acetate	0.156	0.135	13.5	86	0.00	8.39
39	M	bromochloromethane	0.263	0.264	-0.4	100	0.00	8.32
40	c	chloroform	0.768	0.771	-0.4	97	0.00	8.36
41	S	dibromofluoromethane (s)	0.518	0.491	5.2	96	0.00	8.47

Continuing Calibration Summary

Job Number: MC24023 **Sample:** MSK2397-CC2393
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K73805.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42	M	Tetrahydrofuran	0.065	0.052	20.0#	82	0.00	8.68
43	M	1,1,1-trichloroethane	0.673	0.706	-4.9	105	0.00	9.12
44		n-Butyl Alcohol	0.026	0.026	0.0	100	0.00	9.42
45	I	1,4-difluorobenzene	1.000	1.000	0.0	98	0.00	9.68
46	M	Cyclohexane	0.436	0.460	-5.5	100	0.00	9.42
47	M	carbon tetrachloride	0.408	0.447	-9.6	104	0.00	9.48
48	M	1,1-dichloropropene	0.415	0.435	-4.8	99	0.00	9.29
49	M	benzene	1.160	1.207	-4.1	97	0.00	9.48
50	M	1,2-dichloroethane	0.387	0.388	-0.3	95	0.00	8.99
51	M	tert-amyl methyl ether	0.688	0.659	4.2	97	0.00	9.63
52	M	heptane	0.403	0.411	-2.0	97	0.00	10.00
53		2-Nitropropane	0.403	0.411	-2.0	97	0.00	10.00
54	M	trichloroethene	0.352	0.385	-9.4	100	0.00	10.12
55	c	1,2-dichloropropane	0.304	0.310	-2.0	97	0.00	10.07
56	M	dibromomethane	0.157	0.160	-1.9	97	0.00	10.05
57	M	bromodichloromethane	0.401	0.416	-3.7	98	0.00	10.16
58	M	Methylcyclohexane	0.441	0.493	-11.8	105	0.00	10.66
59	M	2-chloroethyl vinyl ether	0.137	0.132	3.6	94	0.00	10.53
60	M	methyl methacrylate	0.116	0.108	6.9	93	0.00	10.25
61	M	1,4-dioxane	0.001	0.000	100.0#	61	0.00	10.24
62	M	cis-1,3-dichloropropene	0.497	0.531	-6.8	100	0.00	10.78
63	S	toluene-d8 (s)	1.257	1.312	-4.4	99	0.00	11.48
64	M	4-methyl-2-pentanone	0.146	0.134	8.2	86	0.00	10.86
65	c	toluene	0.801	0.864	-7.9	101	0.00	11.55
66	M	trans-1,3-dichloropropene	0.403	0.424	-5.2	97	0.00	11.20
67	M	1,1,2-trichloroethane	0.198	0.198	0.0	96	0.00	11.37
68	M	ethyl methacrylate	0.213	0.211	0.9	93	0.00	11.57
69	I	chlorobenzene-d5	1.000	1.000	0.0	97	0.00	12.94
70	M	tetrachloroethene	0.896	1.072	-19.6	108	0.00	12.31
71	M	1,3-dichloropropane	0.851	0.882	-3.6	97	0.00	11.61
72	M	dibromochloromethane	0.765	0.840	-9.8	100	0.00	11.89
73	M	1,2-dibromoethane	0.606	0.649	-7.1	98	0.00	12.13
74	M	2-hexanone	0.209	0.200	4.3	86	0.00	11.72
75	P	chlorobenzene	2.448	2.738	-11.8	102	0.00	12.98
76	m	1-chlorohexane	1.003	1.177	-17.3	104	0.00	12.87
77	M	1,1,1,2-tetrachloroethane	0.867	1.000	-15.3	103	0.00	12.90
78	c	ethylbenzene	3.507	4.027	-14.8	102	0.00	13.15
79	M	m,p-xylene	1.466	1.680	-14.6	103	0.00	13.33
80	M	o-xylene	1.456	1.661	-14.1	102	0.00	13.74
81	M	styrene	2.196	2.630	-19.8	102	0.00	13.66
82	P	bromoform	0.386	0.422	-9.3	104	0.00	13.49
		----------	Amount	Calc.	%Drift		----------	
83	m	cis-1,4-dichloro-2-butene	50.000	53.065	-6.1	104	0.00	13.57
		----------	AvgRF	CCRF	%Dev		----------	
84	M	trans-1,4-dichloro-2-bute	0.132	0.142	-7.6	99	0.00	13.89
85	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	15.50
86	M	isopropylbenzene	3.441	3.763	-9.4	104	0.00	14.11
87	S	bromofluorobenzene (s)	1.047	0.976	6.8	98	0.00	14.16
88	M	bromobenzene	1.020	1.093	-7.2	105	0.00	14.39
89	P	1,1,2,2-tetrachloroethane	0.490	0.455	7.1	95	0.00	13.75
90	M	1,2,3-trichloropropane	0.550	0.525	4.5	97	0.00	13.89
91	M	n-propylbenzene	3.810	4.096	-7.5	102	0.00	14.55
92	M	2-chlorotoluene	2.417	2.527	-4.6	102	0.00	14.67
93	M	4-chlorotoluene	2.446	2.542	-3.9	101	0.00	14.75
94	M	1,3,5-trimethylbenzene	2.794	2.980	-6.7	103	0.00	14.83

Continuing Calibration Summary

Job Number: MC24023 **Sample:** MSK2397-CC2393
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** K73805.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

95	M	tert-butylbenzene	1.534	1.621	-5.7	101	0.00	15.13
96	M	1,2,4-trimethylbenzene	2.790	3.044	-9.1	104	0.00	15.24
97	M	sec-butylbenzene	3.494	3.728	-6.7	102	0.00	15.36
98	M	1,3-dichlorobenzene	1.973	2.071	-5.0	103	0.00	15.46
99	M	p-isopropyltoluene	2.754	2.949	-7.1	104	0.00	15.53
100	M	1,4-dichlorobenzene	1.827	1.912	-4.7	103	0.00	15.53
101	M	1,2-dichlorobenzene	1.770	1.877	-6.0	104	0.00	15.91
102	M	n-butylbenzene	2.513	2.670	-6.2	101	0.00	15.95
103	M	1,2-dibromo-3-chloropropa	0.073	0.063	13.7	89	0.00	16.37
104		1,3,5-trichlorobenzene	1.251	1.399	-11.8	110	0.00	17.19
105	M	1,2,4-trichlorobenzene	0.994	1.041	-4.7	103	0.00	17.73
106	M	hexachlorobutadiene	0.557	0.594	-6.6	111	0.00	18.03
107	M	naphthalene	1.540	1.451	5.8	93	0.00	17.98
108	M	1,2,3-trichlorobenzene	0.728	0.700	3.8	96	0.00	18.20
			Amount	Calc.	%Drift			
109		2-methylnaphthalene	25.000	18.170	27.3#	75	0.00	19.32
110		1-methylnaphthalene	25.000	16.930	32.3#	67	0.00	19.56

(#) = Out of Range SPCC's out = 0 CCC's out = 0
k73679.D K130903S.m Mon Sep 09 13:15:04 2013

Initial Calibration Summary

Job Number: MC24023 **Sample:** MSM2022-ICC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58641.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report GCMS M

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Calibration Files
.5 =m58636.D 20 =m58640.D 2 =m58637.D 5 =m58638.D
10 =m58639.D 50 =m58641.D 100 =m58642.D 200 =m58643.D
400 =m58644.D =

Compound	.5	20	2	5	10	50	100	200	400	Avg	%RSD
1) I tert butyl alcohol-d9 ----------ISTD----------											
2) tertiary butyl alcohol	1.304	1.486	1.331	1.263	1.512	1.291	1.255	1.293		1.342	7.45
3) Ethanol	0.130	0.060	0.056	0.124	0.151	0.130	0.132	0.134		0.115	31.17
---- Linear regression ---- Coefficient = 0.9995											
Response Ratio = -0.01835 + 0.13427 *A											
4) I pentafluorobenzene ----------ISTD----------											
5) dichlorodifluoromethane	0.759	0.761	0.638	0.787	0.803	0.643	0.668	0.582		0.705	11.62
6) chloromethane	1.167	1.243	1.083	1.202	1.179	1.033	0.993	0.857		1.095	11.79
7) vinyl chloride	1.432	1.362	1.286	1.384	1.318	1.213	1.158	1.049		1.275	10.04
8) bromomethane	0.655	0.664	0.586	0.644	0.567	0.531	0.519	0.502		0.583	11.07
9) chloroethane	0.439	0.351	0.429	0.483	0.428	0.411	0.383	0.355		0.410	10.95
10) ethyl ether	0.511	0.438	0.445	0.493	0.526	0.479	0.478	0.474		0.481	6.20
11) acetonitrile	0.158	0.219	0.142	0.094	0.155	0.130	0.152	0.165		0.152	23.08
---- Linear regression ---- Coefficient = 0.9964											
Response Ratio = -0.01626 + 0.16379 *A											
12) trichlorofluoromethane	1.102	0.846	1.132	1.026	1.141	1.033	1.003	0.932		1.027	9.89
13) freon-113	0.571	0.454	0.505	0.550	0.607	0.564	0.529	0.482		0.533	9.47
14) acrolein	0.032		0.029	0.030	0.045	0.034	0.036	0.038		0.035	15.64
---- Linear regression ---- Coefficient = 0.9976											
Response Ratio = -0.00857 + 0.03797 *A											
15) 1,1-dichloroethene	0.620	0.564	0.565	0.597	0.615	0.593	0.576	0.554		0.585	4.18
16) acetone	0.106		0.117	0.135	0.110	0.098	0.097			0.110	12.72
17) Methyl Acetate	0.783	0.882	0.615	0.640	0.954	0.859	0.864	0.859		0.807	14.89
18) methylene chloride	0.732	0.781	0.715	0.784	0.701	0.650	0.632	0.581		0.697	10.27

Initial Calibration Summary

Job Number: MC24023 **Sample:** MSM2022-ICC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58641.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
19)  methyl tert butyl ether
                1.468 1.386 1.478 1.539 1.675 1.512 1.462 1.435   1.494    5.77
20)  acrylonitrile
                0.246       0.227 0.220 0.285 0.246 0.247 0.251   0.246    8.42
21)  allyl chloride
                1.157 1.154 1.169 1.223 1.195 1.144 1.143 1.076   1.158    3.71
22)  trans-1,2-dichloroethene
                0.629 0.678 0.723 0.693 0.701 0.657 0.670 0.653   0.676    4.45
23)  iodomethane
                1.103 0.972 1.017 1.149 1.192 1.133 1.139 1.156   1.108    6.77
24)  carbon disulfide
                2.015 1.833 1.766 2.106 2.147 2.020 2.003 1.844   1.967    6.96
25)  propionitrile
                0.073       0.073 0.066 0.092 0.092 0.090 0.090   0.082   13.75
26)  vinyl acetate
                1.334       1.066 1.257 1.646 1.483 1.521 1.516   1.403   14.02
27)  chloroprene
                1.037 0.920 0.927 1.010 1.092 1.062 1.077 1.028   1.019    6.34
28)  di-isopropyl ether
                2.416 2.267 2.297 2.377 2.644 2.517 2.561 2.469   2.444    5.31
29)  methacrylonitrile
                0.380 0.513 0.339 0.389 0.456 0.398 0.413 0.410   0.412   12.65
30)  2-butanone
                0.094       0.069 0.115 0.126 0.111 0.113 0.104   0.105   17.67
             ---- Linear regression ----  Coefficient =  0.9979
               Response Ratio = 0.00712 + 0.10523 *A

31)  1,1-dichloroethane
                1.107 1.003 1.085 1.130 1.170 1.095 1.091 1.046   1.091    4.62
32)  tert-butyl ethyl ether
                1.788 1.508 1.730 1.813 2.037 1.885 1.886 1.840   1.811    8.40
33)  isobutyl alcohol
                0.101 0.086 0.105 0.094 0.094 0.086 0.083 0.081   0.091    9.43
34)  2,2-dichloropropane
                0.724 0.711 0.723 0.791 0.798 0.757 0.712 0.653   0.733    6.46
35)  cis-1,2-dichloroethene
                0.755 0.693 0.764 0.754 0.793 0.750 0.793 0.785   0.761    4.29
36)  ethyl acetate
                0.504 0.429 0.525 0.475 0.489 0.437 0.417 0.410   0.461    9.36
37)  bromochloromethane
                0.334 0.310 0.325 0.333 0.360 0.336 0.354 0.372   0.340    5.96
38)  chloroform
                1.124 1.044 1.043 1.118 1.215 1.152 1.184 1.177   1.132    5.61
39)  dibromofluoromethane (s)
                0.623 0.600 0.615 0.614 0.686 0.645 0.637 0.701   0.640    5.63
40)  Tetrahydrofuran
                0.243       0.292 0.236 0.247 0.229 0.216 0.210   0.239   11.30
41)  1,1,1-trichloroethane
                0.918 0.877 0.914 0.953 0.988 0.953 0.915 0.851   0.921    4.75

42) I   1,4-difluorobenzene   ----------------ISTD---------------------
43)  Cyclohexane
                0.591 0.611 0.619 0.624 0.674 0.648 0.618 0.550   0.617    5.93
44)  carbon tetrachloride
                0.497 0.464 0.501 0.510 0.532 0.532 0.534 0.516   0.511    4.68
45)  1,1-dichloropropene
                0.513 0.472 0.504 0.514 0.536 0.527 0.532 0.505   0.513    3.98
46)  benzene
              2.112 1.519 1.419 1.479 1.527 1.629 1.589 1.637 1.546   1.606   12.58
47)  1,2-dichloroethane
```

Initial Calibration Summary

Job Number: MC24023 **Sample:** MSM2022-ICC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58641.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                0.518 0.473 0.501 0.505 0.563 0.512 0.507 0.476   0.507    5.53
48)  tert-amyl methyl ether
                0.879 0.846 0.827 0.846 0.956 0.880 0.869 0.830   0.867    4.80
49)  heptane
                0.664 0.660 0.662 0.690 0.739 0.690 0.685 0.656   0.681    4.06
50)  trichloroethene
           0.519 0.399 0.384 0.384 0.414 0.434 0.417 0.438 0.438   0.425    9.60
51)  1,2-dichloropropane
                0.412 0.378 0.396 0.422 0.445 0.420 0.435 0.426   0.417    5.13
52)  dibromomethane
                0.229 0.208 0.220 0.222 0.249 0.229 0.234 0.237   0.229    5.38
53)  bromodichloromethane
                0.531 0.459 0.499 0.522 0.578 0.544 0.551 0.537   0.528    6.83
54)  Methylcyclohexane
                0.625 0.545 0.610 0.652 0.719 0.707 0.693 0.647   0.650    8.83
55)  2-chloroethyl vinyl ether
                0.172 0.141 0.147 0.163 0.182 0.170 0.179 0.180   0.166    9.25
56)  methyl methacrylate
                0.225 0.171 0.206 0.215 0.266 0.244 0.253 0.253   0.229   13.69
57)  1,4-dioxane
                0.004       0.002 0.003 0.004 0.004 0.004 0.003   0.003   26.34
             ---- Linear regression ----  Coefficient =  0.9995
               Response Ratio = 0.00032 + 0.00346 *A

58)  cis-1,3-dichloropropene
                0.626 0.558 0.583 0.604 0.681 0.648 0.679 0.671   0.631    7.37
59)  toluene-d8 (s)
                1.256 1.188 1.179 1.245 1.412 1.365 1.415 1.493   1.319    8.89
60)  4-methyl-2-pentanone
                0.416 0.447 0.486 0.460 0.501 0.448 0.441 0.429   0.453    6.23
61)  toluene
                0.917 0.830 0.870 0.921 1.032 1.054 1.156 1.125   0.988   12.20
62)  trans-1,3-dichloropropene
                0.514 0.436 0.491 0.504 0.567 0.538 0.568 0.559   0.522    8.73
63)  1,1,2-trichloroethane
                0.278 0.252 0.265 0.271 0.308 0.282 0.292 0.292   0.280    6.22
64)  ethyl methacrylate
                0.440       0.390 0.411 0.527 0.516 0.549 0.550   0.483   14.05

65) I   chlorobenzene-d5      ----------------ISTD---------------------
66)  tetrachloroethene
           1.061 0.816 0.747 0.757 0.798 0.848 0.771 0.732 0.655   0.798   14.14
67)  1,3-dichloropropane
                1.257 1.159 1.142 1.167 1.312 1.204 1.144 0.919   1.163    9.91
68)  dibromochloromethane
                0.917 0.815 0.889 0.898 1.006 0.890 0.858 0.772   0.881    7.94
69)  1,2-dibromoethane
                0.798 0.727 0.778 0.765 0.862 0.741 0.712 0.598   0.748   10.25
70)  2-hexanone
                0.872 0.926 1.046 0.990 1.040 0.836 0.738         0.921   12.33
71)  chlorobenzene
                2.536 2.338 2.470 2.572 2.712 2.509 2.450 2.095   2.460    7.41
72)  1,1,1,2-tetrachloroethane
                0.883 0.853 0.828 0.877 0.938 0.863 0.845 0.749   0.854    6.32
73)  ethylbenzene
                4.057 3.730 3.908 4.118 4.436 4.233 4.059 3.301   3.980    8.66
74)  m,p-xylene
                1.658 1.520 1.544 1.631 1.842 1.829 1.825 1.524   1.672    8.47
75)  o-xylene
                1.637 1.473 1.519 1.621 1.835 1.875 1.854 1.506   1.665   10.03
```

Initial Calibration Summary

Job Number: MC24023 **Sample:** MSM2022-ICC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58641.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
76)  styrene
                2.569 2.290 2.337 2.553 2.766 2.702 2.697 2.222   2.517    8.28
77)  bromoform
                0.528 0.458 0.492 0.512 0.584 0.541 0.523 0.484   0.515    7.46
78)  trans-1,4-dichloro-2-butene
                0.304 0.325 0.307 0.306 0.362 0.320 0.295 0.240   0.307   11.11

79) I   1,4-dichlorobenzene-d ----------------ISTD--------------------
80)  isopropylbenzene
                4.290 3.830 3.996 4.262 4.805 4.361 4.271 4.045   4.233    6.93
81)  bromofluorobenzene (s)
                0.995 0.880 0.982 0.961 1.089 0.982 0.928 0.951   0.971    6.21
82)  bromobenzene
                1.009 0.885 1.012 1.001 1.108 0.957 0.986 1.031   0.999    6.34
83)  1,1,2,2-tetrachloroethane
                1.055 0.968 1.023 1.029 1.227 1.073 1.002 0.975   1.044    7.89
84)  1,2,3-trichloropropane
                1.087 0.956 1.055 1.037 1.257 1.054 0.994 0.969   1.051    9.02
85)  n-propylbenzene
                5.051 4.487 4.765 5.082 5.624 5.062 4.844 4.298   4.902    8.31
86)  2-chlorotoluene
                2.891 2.644 2.820 2.916 3.265 2.912 2.837 2.752   2.880    6.27
87)  4-chlorotoluene
                2.953 2.648 2.713 2.889 3.192 2.973 2.861 2.720   2.869    6.16
88)  1,3,5-trimethylbenzene
                3.587 3.037 3.210 3.484 4.148 3.855 3.735 3.598   3.582    9.80
89)  tert-butylbenzene
                1.985 1.762 1.845 1.940 2.270 2.086 2.030 2.009   1.991    7.72
90)  1,2,4-trimethylbenzene
                3.483 2.966 3.215 3.382 4.048 3.772 3.704 3.589   3.520    9.61
91)  sec-butylbenzene
                4.909 4.081 4.557 4.676 5.663 5.292 5.104 4.467   4.844   10.40
92)  1,3-dichlorobenzene
                2.049 1.875 1.988 2.057 2.305 2.132 2.179 2.200   2.098    6.42
93)  p-isopropyltoluene
                3.727 3.225 3.313 3.578 4.603 4.321 4.217 4.027   3.876   12.77
94)  1,4-dichlorobenzene
                2.110 1.884 1.979 2.084 2.521 2.370 2.360 2.412   2.215   10.39
95)  1,2-dichlorobenzene
                2.040 1.749 1.886 1.946 2.240 2.028 2.001 2.428   2.040   10.31
96)  n-butylbenzene
                3.839 3.244 3.569 3.796 4.502 4.051 3.707 3.550   3.782    9.94
97)  1,2-dibromo-3-chloropropane
                0.204 0.228 0.275 0.227 0.217 0.183 0.163 0.167   0.208   17.95
             ---- Linear regression ----  Coefficient =  0.9983
               Response Ratio = 0.01873 + 0.16396 *A

98)  1,3,5-trichlorobenzene
                1.374 1.171 1.348 1.368 1.510 1.296 1.221 1.390   1.335    7.89
99)  1,2,4-trichlorobenzene
                1.272 1.147 1.241 1.283 1.415 1.189 1.127 1.271   1.243    7.34
100)  hexachlorobutadiene
                0.645 0.597 0.620 0.633 0.726 0.639 0.626 0.725   0.651    7.38
101)  naphthalene
                3.324 2.790 3.080 3.129 3.767 3.309 3.447 3.854   3.337   10.58
102)  1,2,3-trichlorobenzene
                1.215 1.101 1.171 1.210 1.346 1.158 1.118 1.253   1.196    6.60
103)  2-methylnaphthalene
                1.813 1.540 1.751 1.660 1.987 1.631 1.620 1.768   1.721    8.13
104)  1-methylnaphthalene
```

Initial Calibration Summary

Job Number: MC24023 **Sample:** MSM2022-ICC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58641.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                0.641 2.528 0.700 0.751 0.621 0.515 0.495 0.515   0.846 E1   81.11
            ---- Linear regression ----  Coefficient =  0.9988
              Response Ratio = 0.25159 + 5.03552 *A

--------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M130821S.M        Thu Aug 22 09:43:29 2013
```

Initial Calibration Verification

Job Number: MC24023 **Sample:** MSM2022-ICV2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58647.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M130821.S\m58647.D Vial: 23
Acq On : 21 Aug 2013 8:04 pm Operator: krystend
Sample : ICV2022-50 Inst : GCMS M
Misc : MS29707,MSM2022,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 22 08:41:20 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	128	-0.01	6.84
2	M	tertiary butyl alcohol	1.342	1.849	-37.8#	156	0.00	6.93
			Amount	Calc.	%Drift			
3		Ethanol	5000.000	4133.977	17.3	92	-0.01	5.64
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	109	0.00	9.35
5	M	dichlorodifluoromethane	0.705	0.871	-23.5#	118	0.00	4.42
6	P	chloromethane	1.095	1.375	-25.6#	127	-0.01	4.69
7	c	vinyl chloride	1.275	1.084	15.0	90	0.00	4.96
8	M	bromomethane	0.583	0.628	-7.7	121	0.00	5.50
9	M	chloroethane	0.410	0.461	-12.4	118	0.00	5.67
10	M	ethyl ether	0.481	0.519	-7.9	108	0.00	6.57
			Amount	Calc.	%Drift			
11	M	acetonitrile	50.000	47.491	5.0	98	0.00	6.57
			AvgRF	CCRF	%Dev			
12	M	trichlorofluoromethane	1.027	1.026	0.1	98	-0.01	6.33
13	M	freon-113	0.533	0.651	-22.1#	117	0.00	7.15
			Amount	Calc.	%Drift			
14	M	acrolein	250.000	440.816	-76.3#	159	0.00	6.32
			AvgRF	CCRF	%Dev			
15	c	1,1-dichloroethene	0.585	0.672	-14.9	119	0.00	6.94
16	M	acetone	0.110	0.103	6.4	84	0.00	6.47
17	M	Methyl Acetate	0.807	0.702	13.0	80	0.00	7.13
18	M	methylene chloride	0.697	0.706	-1.3	110	0.00	7.10
19	M	methyl tert butyl ether	1.494	1.625	-8.8	106	0.00	7.91
20	M	acrylonitrile	0.246	0.264	-7.3	101	0.00	7.00
21	M	allyl chloride	1.158	1.220	-5.4	112	0.00	7.19
22	M	trans-1,2-dichloroethene	0.676	0.705	-4.3	110	0.00	7.81
23	M	iodomethane	1.108	1.240	-11.9	114	0.00	7.01
24	M	carbon disulfide	1.967	2.242	-14.0	114	0.00	7.39
25	M	propionitrile	0.082	0.090	-9.8	106	0.00	8.16
26	M	vinyl acetate	1.403	1.095	22.0#	73	0.00	8.17
27	M	chloroprene	1.019	1.164	-14.2	116	0.00	8.45
28	M	di-isopropyl ether	2.444	2.501	-2.3	103	0.00	8.48
29	M	methacrylonitrile	0.412	0.409	0.7	98	0.00	8.60

Initial Calibration Verification

Job Number: MC24023 **Sample:** MSM2022-ICV2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58647.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
30	M	2-butanone	50.000	44.703	10.6	87	0.00	8.49
			AvgRF	CCRF	%Dev			
31	P	1,1-dichloroethane	1.091	1.279	-17.2	119	0.00	8.07
32	M	tert-butyl ethyl ether	1.811	2.005	-10.7	108	0.00	8.88
33	M	isobutyl alcohol	0.091	0.102	-12.1	118	0.00	8.88
34	M	2,2-dichloropropane	0.733	0.855	-16.6	117	0.00	8.95
35	M	cis-1,2-dichloroethene	0.761	0.761	0.0	105	0.00	8.65
36	M	ethyl acetate	0.461	0.485	-5.2	108	0.00	8.88
37	M	bromochloromethane	0.340	0.387	-13.8	118	0.00	8.82
38	c	chloroform	1.132	1.262	-11.5	113	0.00	8.86
39	S	dibromofluoromethane (s)	0.640	0.563	12.0	90	0.00	8.98
40	M	Tetrahydrofuran	0.239	0.240	-0.4	106	0.00	9.19
41	M	1,1,1-trichloroethane	0.921	1.077	-16.9	119	0.00	9.63
42	I	1,4-difluorobenzene	1.000	1.000	0.0	108	0.00	10.23
43	M	Cyclohexane	0.617	0.658	-6.6	105	0.00	9.91
44	M	carbon tetrachloride	0.511	0.593	-16.0	120	0.00	10.00
45	M	1,1-dichloropropene	0.513	0.545	-6.2	110	0.00	9.81
46	M	benzene	1.606	1.628	-1.4	108	0.00	10.03
47	M	1,2-dichloroethane	0.507	0.535	-5.5	102	0.00	9.52
48	M	tert-amyl methyl ether	0.867	0.948	-9.3	107	0.00	10.15
49	M	heptane	0.681	0.686	-0.7	100	0.00	10.51
50	M	trichloroethene	0.425	0.423	0.5	105	0.00	10.66
51	c	1,2-dichloropropane	0.417	0.427	-2.4	103	0.00	10.62
52	M	dibromomethane	0.229	0.269	-17.5	117	0.00	10.60
53	M	bromodichloromethane	0.528	0.565	-7.0	105	0.00	10.71
54	M	Methylcyclohexane	0.650	0.711	-9.4	107	0.00	11.18
55	M	2-chloroethyl vinyl ether	0.166	0.152	8.4	90	0.00	11.09
56	M	methyl methacrylate	0.229	0.253	-10.5	103	0.00	10.80
			Amount	Calc.	%Drift			
57	M	1,4-dioxane	250.000	270.065	-8.0	106	0.00	10.81
			AvgRF	CCRF	%Dev			
58	M	cis-1,3-dichloropropene	0.631	0.630	0.2	100	0.00	11.34
59	S	toluene-d8 (s)	1.319	1.143	13.3	87	0.00	12.04
60	M	4-methyl-2-pentanone	0.453	0.460	-1.5	99	0.00	11.42
61	c	toluene	0.988	1.028	-4.0	107	0.00	12.12
62	M	trans-1,3-dichloropropene	0.522	0.564	-8.0	107	0.00	11.75
63	M	1,1,2-trichloroethane	0.280	0.295	-5.4	104	0.00	11.93
64	M	ethyl methacrylate	0.483	0.494	-2.3	101	0.00	12.12
65	I	chlorobenzene-d5	1.000	1.000	0.0	108	0.00	13.51
66	M	tetrachloroethene	0.798	0.907	-13.7	116	0.00	12.86
67	M	1,3-dichloropropane	1.163	1.256	-8.0	104	0.00	12.16
68	M	dibromochloromethane	0.881	0.991	-12.5	107	0.00	12.46
69	M	1,2-dibromoethane	0.748	0.834	-11.5	105	0.00	12.72
70	M	2-hexanone	0.921	0.814	11.6	85	0.00	12.29
71	P	chlorobenzene	2.460	2.559	-4.0	102	0.00	13.55
72	M	1,1,1,2-tetrachloroethane	0.854	0.929	-8.8	107	0.00	13.46
73	c	ethylbenzene	3.980	4.349	-9.3	106	0.00	13.71
74	M	m,p-xylene	1.672	1.773	-6.0	104	0.00	13.90
75	M	o-xylene	1.665	1.751	-5.2	103	0.00	14.31
76	M	styrene	2.517	2.651	-5.3	104	0.00	14.24
77	P	bromoform	0.515	0.629	-22.1#	117	0.00	14.07
78	M	trans-1,4-dichloro-2-bute	0.307	0.335	-9.1	100	0.00	14.46

Initial Calibration Verification

Job Number: MC24023 **Sample:** MSM2022-ICV2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58647.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	113	0.00	16.08
80	M	isopropylbenzene	4.233	4.293	-1.4	101	0.00	14.68
81	S	bromofluorobenzene (s)	0.971	0.836	13.9	86	0.00	14.74
82	M	bromobenzene	0.999	1.035	-3.6	105	0.00	14.97
83	P	1,1,2,2-tetrachloroethane	1.044	1.124	-7.7	103	0.00	14.32
84	M	1,2,3-trichloropropane	1.051	1.154	-9.8	103	0.00	14.47
85	M	n-propylbenzene	4.902	4.891	0.2	98	0.00	15.12
86	M	2-chlorotoluene	2.880	2.848	1.1	98	0.00	15.24
87	M	4-chlorotoluene	2.869	2.854	0.5	101	0.00	15.32
88	M	1,3,5-trimethylbenzene	3.582	3.633	-1.4	99	0.00	15.40
89	M	tert-butylbenzene	1.991	2.008	-0.9	100	0.00	15.71
90	M	1,2,4-trimethylbenzene	3.520	3.559	-1.1	99	0.00	15.81
91	M	sec-butylbenzene	4.844	4.890	-0.9	97	0.00	15.93
92	M	1,3-dichlorobenzene	2.098	1.999	4.7	98	0.00	16.04
93	M	p-isopropyltoluene	3.876	4.224	-9.0	103	0.00	16.10
94	M	1,4-dichlorobenzene	2.215	2.280	-2.9	102	0.00	16.10
95	M	1,2-dichlorobenzene	2.040	1.951	4.4	98	0.00	16.47
96	M	n-butylbenzene	3.782	3.877	-2.5	97	0.00	16.52
			Amount	Calc.	%Drift			
97	M	1,2-dibromo-3-chloropropa	50.000	57.879	-15.8	108	0.00	16.95
			AvgRF	CCRF	%Dev			
98		1,3,5-trichlorobenzene	1.335	1.165	12.7	87	0.00	17.76
99	M	1,2,4-trichlorobenzene	1.243	1.211	2.6	96	0.00	18.30
100	M	hexachlorobutadiene	0.651	0.630	3.2	98	0.00	18.60
101	M	naphthalene	3.337	3.380	-1.3	101	0.00	18.58
102	M	1,2,3-trichlorobenzene	1.196	1.162	2.8	97	0.00	18.79
103		2-methylnaphthalene	1.721	1.698	1.3	96	0.00	19.98
			Amount	Calc.	%Drift			
104		1-methylnaphthalene	25.000	24.374	2.5	98	0.00	20.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m58641.D M130821S.M Thu Aug 22 09:43:22 2013

Continuing Calibration Summary

Job Number: MC24023 **Sample:** MSM2039-CC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59046.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M130909.S\m59046.D Vial: 2
Acq On : 9 Sep 2013 8:51 am Operator: krystend
Sample : cc2022-50 Inst : GCMS M
Misc : MS29833,MSM2039,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 22 08:41:20 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	114	0.00	6.84
2	M	tertiary butyl alcohol	1.342	1.305	2.8	98	0.00	6.94
			Amount	Calc.	%Drift			
3		Ethanol	5000.000	4557.307	8.9	91	-0.01	5.64
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	124	0.00	9.35
5	M	dichlorodifluoromethane	0.705	0.738	-4.7	114	0.00	4.43
6	P	chloromethane	1.095	1.049	4.2	111	0.00	4.69
7	c	vinyl chloride	1.275	1.128	11.5	106	0.00	4.96
8	M	bromomethane	0.583	0.594	-1.9	130	-0.01	5.50
9	M	chloroethane	0.410	0.432	-5.4	125	0.00	5.67
10	M	ethyl ether	0.481	0.484	-0.6	114	0.00	6.57
			Amount	Calc.	%Drift			
11	M	acetonitrile	50.000	44.551	10.9	104	-0.01	6.57
			AvgRF	CCRF	%Dev			
12	M	trichlorofluoromethane	1.027	1.155	-12.5	126	-0.01	6.33
13	M	freon-113	0.533	0.598	-12.2	122	0.00	7.15
			Amount	Calc.	%Drift			
14	M	acrolein	250.000	221.244	11.5	89	0.00	6.32
			AvgRF	CCRF	%Dev			
15	c	1,1-dichloroethene	0.585	0.630	-7.7	128	0.00	6.94
16	M	acetone	0.110	0.087	20.9#	81	0.00	6.48
17	M	Methyl Acetate	0.807	0.765	5.2	100	0.00	7.13
18	M	methylene chloride	0.697	0.735	-5.5	130	0.00	7.10
19	M	methyl tert butyl ether	1.494	1.468	1.7	109	0.00	7.90
20	M	acrylonitrile	0.246	0.233	5.3	102	-0.01	7.00
21	M	allyl chloride	1.158	1.147	0.9	119	0.00	7.19
22	M	trans-1,2-dichloroethene	0.676	0.712	-5.3	126	0.00	7.81
23	M	iodomethane	1.108	1.360	-22.7#	142	0.00	7.00
24	M	carbon disulfide	1.967	2.172	-10.4	126	0.00	7.39
25	M	propionitrile	0.082	0.085	-3.7	115	0.00	8.15
26	M	vinyl acetate	1.403	1.367	2.6	103	0.00	8.17
27	M	chloroprene	1.019	1.020	-0.1	116	0.00	8.44
28	M	di-isopropyl ether	2.444	2.400	1.8	113	0.00	8.48
29	M	methacrylonitrile	0.412	0.358	13.1	98	0.00	8.60

Continuing Calibration Summary

Job Number: MC24023 **Sample:** MSM2039-CC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59046.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
30	M	2-butanone	50.000	30.177	39.6#	69	0.00	8.50
			AvgRF	CCRF	%Dev			
31	P	1,1-dichloroethane	1.091	1.101	-0.9	117	0.00	8.07
32	M	tert-butyl ethyl ether	1.811	1.787	1.3	109	0.00	8.88
33	M	isobutyl alcohol	0.091	0.091	0.0	120	0.00	8.88
34	M	2,2-dichloropropane	0.733	0.766	-4.5	119	0.00	8.95
35	M	cis-1,2-dichloroethene	0.761	0.795	-4.5	125	0.00	8.65
36	M	ethyl acetate	0.461	0.385	16.5	98	0.00	8.88
37	M	bromochloromethane	0.340	0.385	-13.2	133	0.00	8.82
38	c	chloroform	1.132	1.146	-1.2	117	0.00	8.86
39	S	dibromofluoromethane (s)	0.640	0.473	26.1#	86	0.00	8.99
40	M	Tetrahydrofuran	0.239	0.194	18.8	98	0.00	9.19
41	M	1,1,1-trichloroethane	0.921	0.990	-7.5	125	0.00	9.63
42	I	1,4-difluorobenzene	1.000	1.000	0.0	122	0.00	10.23
43	M	Cyclohexane	0.617	0.668	-8.3	121	0.00	9.91
44	M	carbon tetrachloride	0.511	0.578	-13.1	132	0.00	10.00
45	M	1,1-dichloropropene	0.513	0.533	-3.9	121	0.00	9.80
46	M	benzene	1.606	1.614	-0.5	120	0.00	10.03
47	M	1,2-dichloroethane	0.507	0.510	-0.6	110	0.00	9.52
48	M	tert-amyl methyl ether	0.867	0.880	-1.5	112	0.00	10.15
49	M	heptane	0.681	0.681	0.0	112	0.00	10.51
50	M	trichloroethene	0.425	0.447	-5.2	125	0.00	10.66
51	c	1,2-dichloropropane	0.417	0.430	-3.1	117	0.00	10.62
52	M	dibromomethane	0.229	0.239	-4.4	117	0.00	10.60
53	M	bromodichloromethane	0.528	0.559	-5.9	117	0.00	10.71
54	M	Methylcyclohexane	0.650	0.734	-12.9	124	0.00	11.18
55	M	2-chloroethyl vinyl ether	0.166	0.132	20.5#	88	0.00	11.09
56	M	methyl methacrylate	0.229	0.229	0.0	104	0.00	10.80
			Amount	Calc.	%Drift			
57	M	1,4-dioxane	250.000	219.018	12.4	98	0.00	10.80
			AvgRF	CCRF	%Dev			
58	M	cis-1,3-dichloropropene	0.631	0.671	-6.3	120	0.00	11.34
59	S	toluene-d8 (s)	1.319	1.016	23.0#	87	0.00	12.04
60	M	4-methyl-2-pentanone	0.453	0.398	12.1	97	0.00	11.42
61	c	toluene	0.988	1.075	-8.8	127	0.00	12.12
62	M	trans-1,3-dichloropropene	0.522	0.561	-7.5	120	0.00	11.75
63	M	1,1,2-trichloroethane	0.280	0.298	-6.4	118	0.00	11.93
64	M	ethyl methacrylate	0.483	0.462	4.3	107	0.00	12.12
65	I	chlorobenzene-d5	1.000	1.000	0.0	128	0.00	13.51
66	M	tetrachloroethene	0.798	0.986	-23.6#	149	0.00	12.86
67	M	1,3-dichloropropane	1.163	1.183	-1.7	116	0.00	12.16
68	M	dibromochloromethane	0.881	1.066	-21.0#	136	0.00	12.46
69	M	1,2-dibromoethane	0.748	0.830	-11.0	123	0.00	12.71
70	M	2-hexanone	0.921	0.571	38.0#	70	0.00	12.29
71	P	chlorobenzene	2.460	2.879	-17.0	136	0.00	13.55
72	M	1,1,1,2-tetrachloroethane	0.854	1.070	-25.3#	146	0.00	13.46
73	c	ethylbenzene	3.980	4.344	-9.1	126	0.00	13.71
74	M	m,p-xylene	1.672	1.861	-11.3	130	0.00	13.90
75	M	o-xylene	1.665	1.900	-14.1	133	0.00	14.31
76	M	styrene	2.517	2.908	-15.5	135	0.00	14.24
77	P	bromoform	0.515	0.661	-28.3#	145	0.00	14.07
78	M	trans-1,4-dichloro-2-bute	0.307	0.298	2.9	106	0.00	14.46

Continuing Calibration Summary

Job Number: MC24023 **Sample:** MSM2039-CC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59046.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	159	0.00	16.07
80	M	isopropylbenzene	4.233	3.948	6.7	130	0.00	14.68
81	S	bromofluorobenzene (s)	0.971	0.688	29.1#	100	0.00	14.74
82	M	bromobenzene	0.999	1.008	-0.9	144	0.00	14.97
83	P	1,1,2,2-tetrachloroethane	1.044	0.858	17.8	111	0.00	14.32
84	M	1,2,3-trichloropropane	1.051	0.891	15.2	113	0.00	14.46
85	M	n-propylbenzene	4.902	4.368	10.9	123	0.00	15.12
86	M	2-chlorotoluene	2.880	2.571	10.7	125	0.00	15.24
87	M	4-chlorotoluene	2.869	2.586	9.9	129	0.00	15.32
88	M	1,3,5-trimethylbenzene	3.582	3.301	7.8	126	0.00	15.40
89	M	tert-butylbenzene	1.991	1.780	10.6	125	0.00	15.71
90	M	1,2,4-trimethylbenzene	3.520	3.299	6.3	129	0.00	15.81
91	M	sec-butylbenzene	4.844	4.544	6.2	127	0.00	15.93
92	M	1,3-dichlorobenzene	2.098	2.084	0.7	144	0.00	16.04
93	M	p-isopropyltoluene	3.876	3.581	7.6	124	0.00	16.10
94	M	1,4-dichlorobenzene	2.215	2.134	3.7	134	0.00	16.10
95	M	1,2-dichlorobenzene	2.040	2.060	-1.0	146	0.00	16.47
96	M	n-butylbenzene	3.782	3.337	11.8	118	0.00	16.52
			Amount	Calc.	%Drift			
97	M	1,2-dibromo-3-chloropropa	50.000	42.679	14.6	116	0.00	16.95
			AvgRF	CCRF	%Dev			
98		1,3,5-trichlorobenzene	1.335	1.485	-11.2	156	0.00	17.76
99	M	1,2,4-trichlorobenzene	1.243	1.406	-13.1	158	0.00	18.30
100	M	hexachlorobutadiene	0.651	0.683	-4.9	149	0.00	18.60
101	M	naphthalene	3.337	3.443	-3.2	145	0.00	18.58
102	M	1,2,3-trichlorobenzene	1.196	1.322	-10.5	156	0.00	18.79
103		2-methylnaphthalene	1.721	1.840	-6.9	147	0.00	19.97
			Amount	Calc.	%Drift			
104		1-methylnaphthalene	25.000	24.864	0.5	141	0.00	20.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m58641.D M130821S.M Mon Sep 09 15:38:57 2013

New England ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59056.D
Acq On : 9 Sep 2013 1:48 pm
Operator : krystend
Sample : mc24023-1
Misc : MS29844,MSM2039,4.431,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 09 15:45:50 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

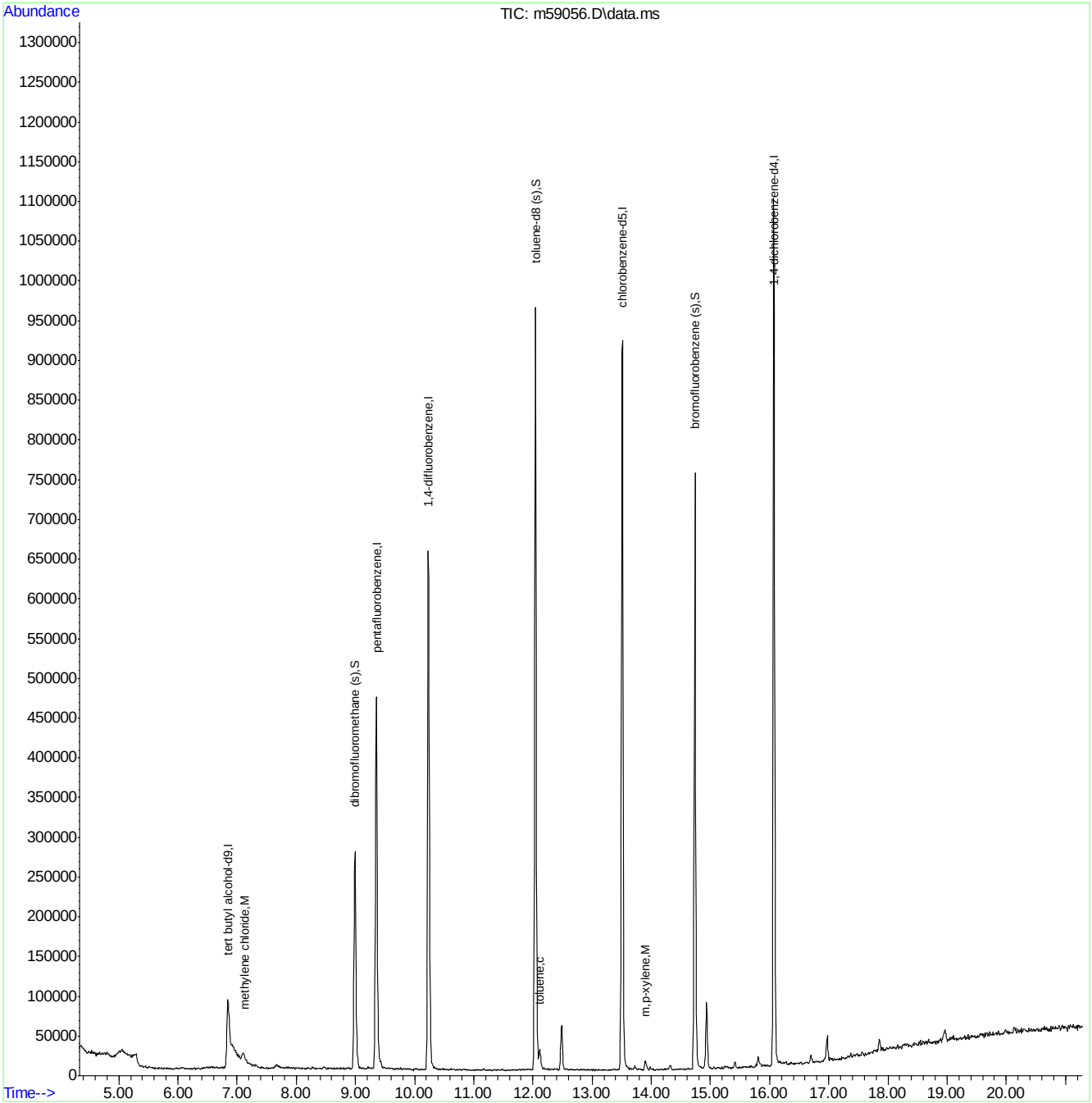
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	302810	500.00	ug/kg	0.00
4) pentafluorobenzene	9.356	168	392713	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	647374	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	285145	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	336440	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	199923	39.77	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 79.54%			
59) toluene-d8 (s)	12.043	98	718283	42.05	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.10%			
81) bromofluorobenzene (s)	14.738	95	275868	42.22	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.44%			
Target Compounds						Qvalue
18) methylene chloride	7.119	84	7472	1.36	ug/kg#	67
61) toluene	12.117	92	9144	0.71	ug/kg	98
74) m,p-xylene	13.903	106	4495	0.47	ug/kg#	69

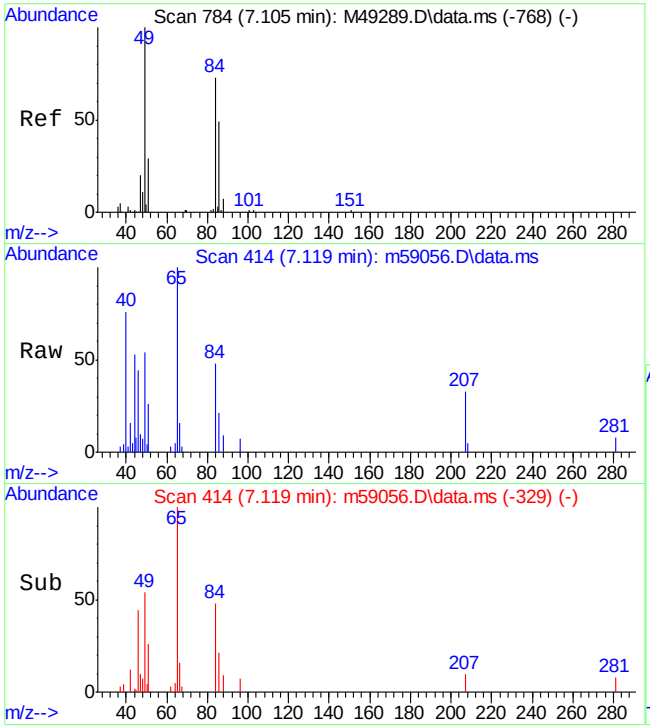
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59056.D
Acq On : 9 Sep 2013 1:48 pm
Operator : krystend
Sample : mc24023-1
Misc : MS29844,MSM2039,4.431,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 09 15:45:50 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

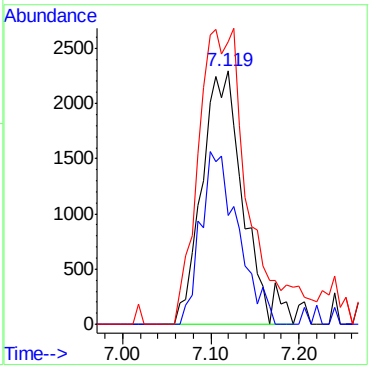


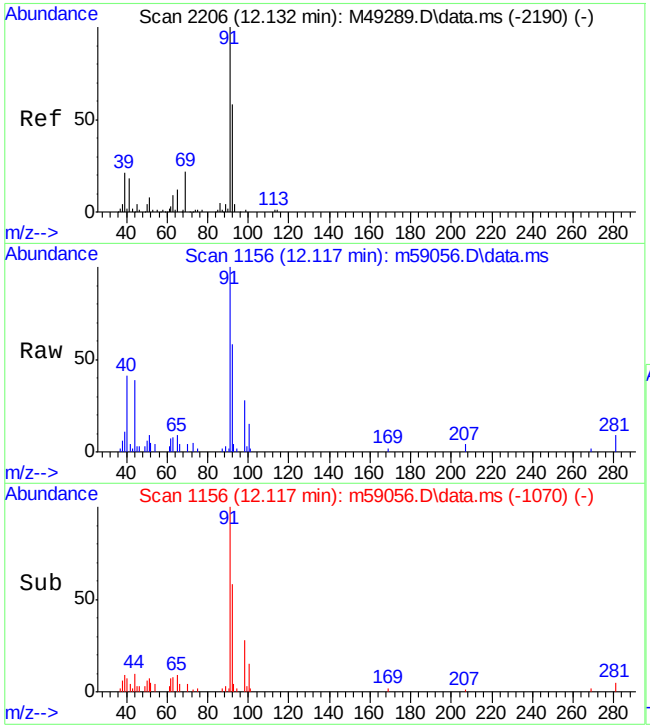


#18
methylene chloride
Concen: 1.36 ug/kg
RT: 7.119 min Scan# 414
Delta R.T. 0.014 min
Lab File: m59056.D
Acq: 9 Sep 2013 1:48 pm

Tgt Ion: 84 Resp: 7472

Ion	Ratio	Lower	Upper
84	100		
86	42.9	37.2	97.2
49	111.6	125.7	185.7#

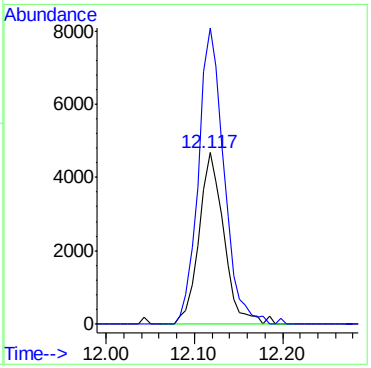


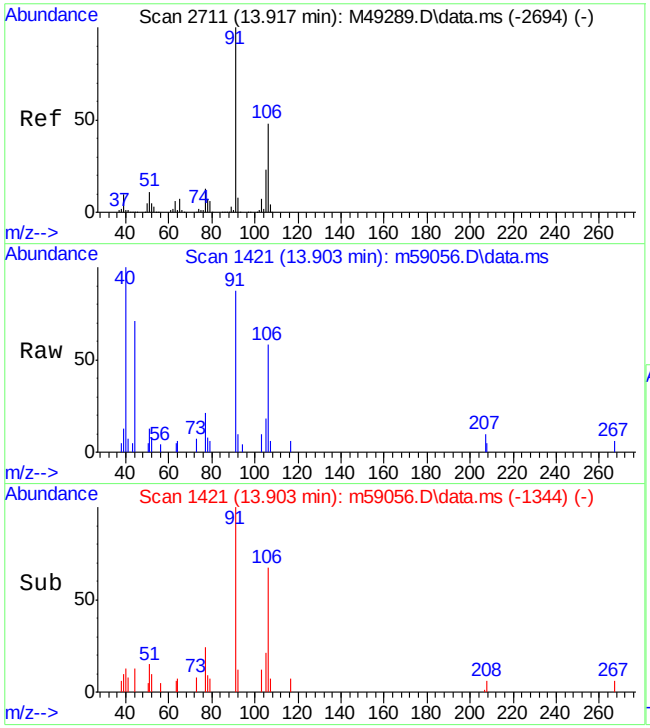


#61
toluene
Concen: 0.71 ug/kg
RT: 12.117 min Scan# 1156
Delta R.T. 0.000 min
Lab File: m59056.D
Acq: 9 Sep 2013 1:48 pm

Tgt Ion: 92 Resp: 9144

Ion	Ratio	Lower	Upper
92	100		
91	172.7	145.9	205.9

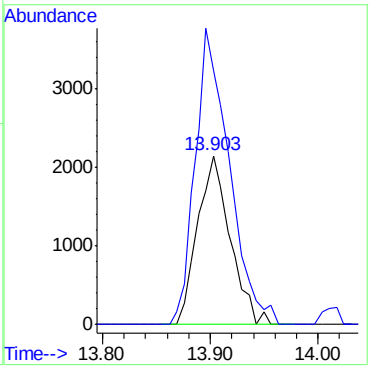




#74
m,p-xylene
Concen: 0.47 ug/kg
RT: 13.903 min Scan# 1421
Delta R.T. 0.001 min
Lab File: m59056.D
Acq: 9 Sep 2013 1:48 pm

Tgt Ion:106 Resp: 4495

Ion	Ratio	Lower	Upper
106	100		
91	150.1	166.0	226.0#



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59056.D
Acq On : 9 Sep 2013 1:48 pm
Operator : krystend
Sample : mc24023-1
Misc : MS29844,MSM2039,4.431,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

Signal : TIC: m59056.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.594	303	336	355	rBV9	3496	41964	2.00%	0.351%
2	6.843	365	373	487	rBV	86091	636177	30.36%	5.319%
3	8.271	581	585	595	rVB4	2960	6821	0.33%	0.057%
4	8.466	595	614	637	rBV4	3307	21810	1.04%	0.182%
5	8.992	683	692	717	rVB	273266	638735	30.48%	5.341%
6	9.349	737	745	789	rVB	468983	1066751	50.90%	8.920%
7	10.029	839	846	853	rBV6	3299	12175	0.58%	0.102%
8	10.137	855	862	867	rVV3	1838	6044	0.29%	0.051%
9	10.231	867	876	907	rVV	653337	1368698	65.31%	11.445%
10	10.615	929	933	937	rBV4	1528	2028	0.10%	0.017%
11	10.737	945	951	957	rBV4	1702	4199	0.20%	0.035%
12	10.804	957	961	1011	rVB6	1541	15851	0.76%	0.133%
13	11.343	1035	1041	1047	rVB5	1661	3232	0.15%	0.027%
14	11.471	1053	1060	1075	rBV4	1523	6219	0.30%	0.052%
15	11.767	1095	1104	1107	rBV2	1682	3500	0.17%	0.029%
16	12.043	1137	1145	1177	rVB	959364	1890051	90.19%	15.804%
17	12.488	1203	1211	1227	rVB	56320	123392	5.89%	1.032%
18	12.960	1279	1281	1287	rVB5	1303	2371	0.11%	0.020%
19	13.027	1289	1291	1297	rVB4	1723	2514	0.12%	0.021%
20	13.162	1299	1311	1327	rVB5	1422	6696	0.32%	0.056%
21	13.296	1327	1331	1337	rBV3	1491	2019	0.10%	0.017%
22	13.397	1337	1346	1349	rVB5	1754	4854	0.23%	0.041%
23	13.512	1349	1363	1389	rBV	918985	1755275	83.76%	14.677%
24	13.721	1389	1394	1401	rVB5	5356	9681	0.46%	0.081%
25	13.903	1413	1421	1429	rVV3	11668	29068	1.39%	0.243%
26	13.983	1429	1433	1443	rVB5	4540	9408	0.45%	0.079%
27	14.145	1453	1457	1463	rVB4	1781	4084	0.19%	0.034%
28	14.233	1463	1470	1471	rBV4	2107	4084	0.19%	0.034%
29	14.314	1477	1482	1491	rVB4	5513	11415	0.54%	0.095%
30	14.462	1491	1504	1507	rBV4	1127	2338	0.11%	0.020%
31	14.610	1507	1526	1537	rBV8	1971	10269	0.49%	0.086%
32	14.738	1537	1545	1567	rVV	750343	1390977	66.38%	11.631%
33	14.933	1567	1574	1589	rVB	83559	177512	8.47%	1.484%
34	15.061	1589	1593	1597	rVB3	2595	3302	0.16%	0.028%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59056.D
Acq On : 9 Sep 2013 1:48 pm
Operator : krystend
Sample : mc24023-1
Misc : MS29844,MSM2039,4.431,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

35	15.189	1597	1612	1613	rBV7	2650	6885	0.33%	0.058%
36	15.243	1613	1620	1635	rBV7	4300	14973	0.71%	0.125%
37	15.418	1639	1646	1663	rVB9	7600	18244	0.87%	0.153%
38	15.802	1695	1703	1733	rBV9	14049	54914	2.62%	0.459%
39	16.072	1733	1743	1831	rBV	1093081	2095578	100.00%	17.522%
40	16.698	1831	1836	1867	rBV	9435	23385	1.12%	0.196%
41	16.974	1867	1877	2003	rBV2	33959	471927	22.52%	3.946%

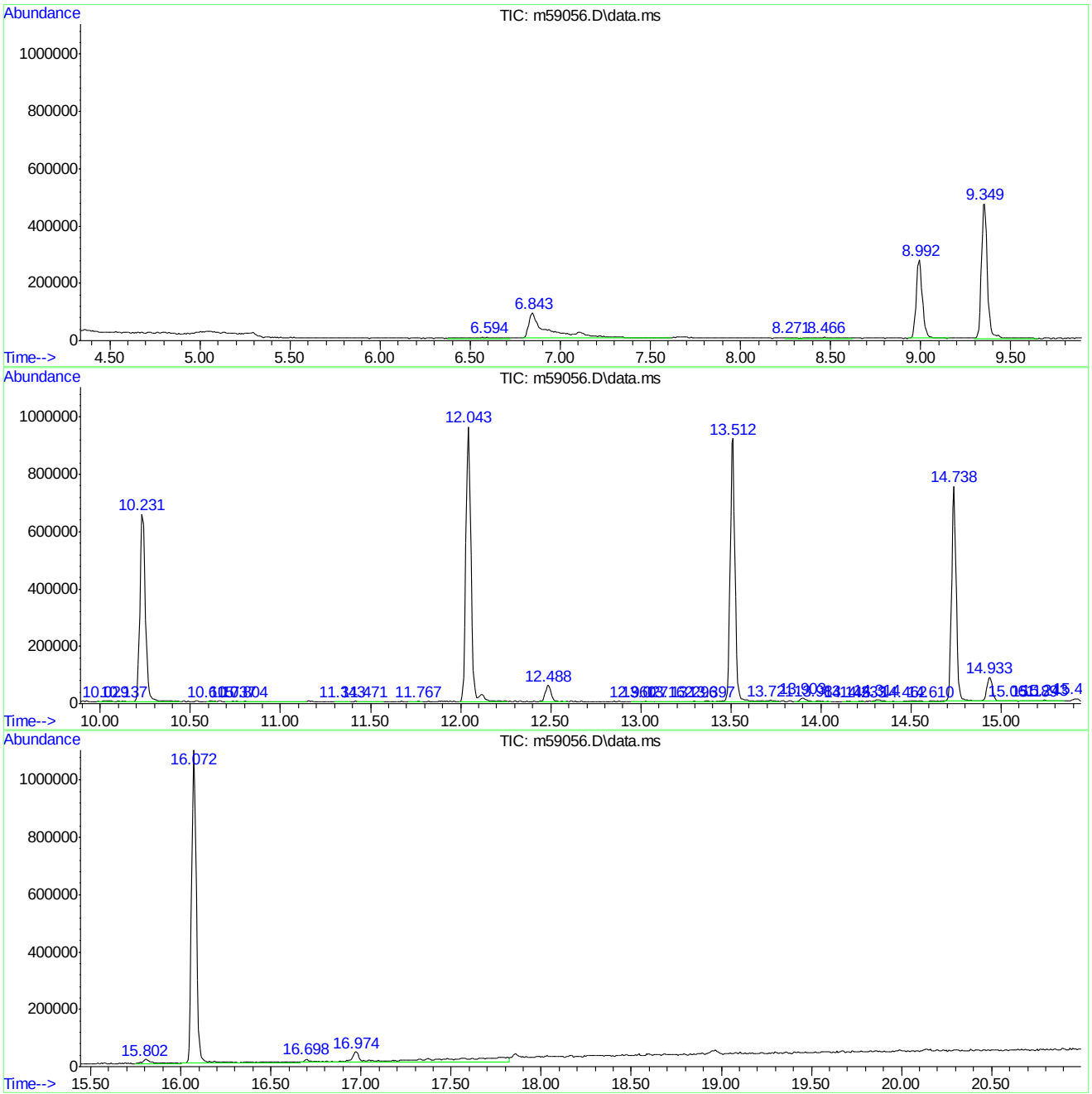
Sum of corrected areas: 11959420

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59056.D
Acq On : 9 Sep 2013 1:48 pm
Operator : krystend
Sample : mc24023-1
Misc : MS29844,MSM2039,4.431,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

```
Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59056.D
Acq On    :  9 Sep 2013    1:48 pm
Operator  : krystend
Sample    : mc24023-1
Misc      : MS29844,MSM2039,4.431,,,5,1
ALS Vial  : 12   Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title  : SW-846 Method 8260

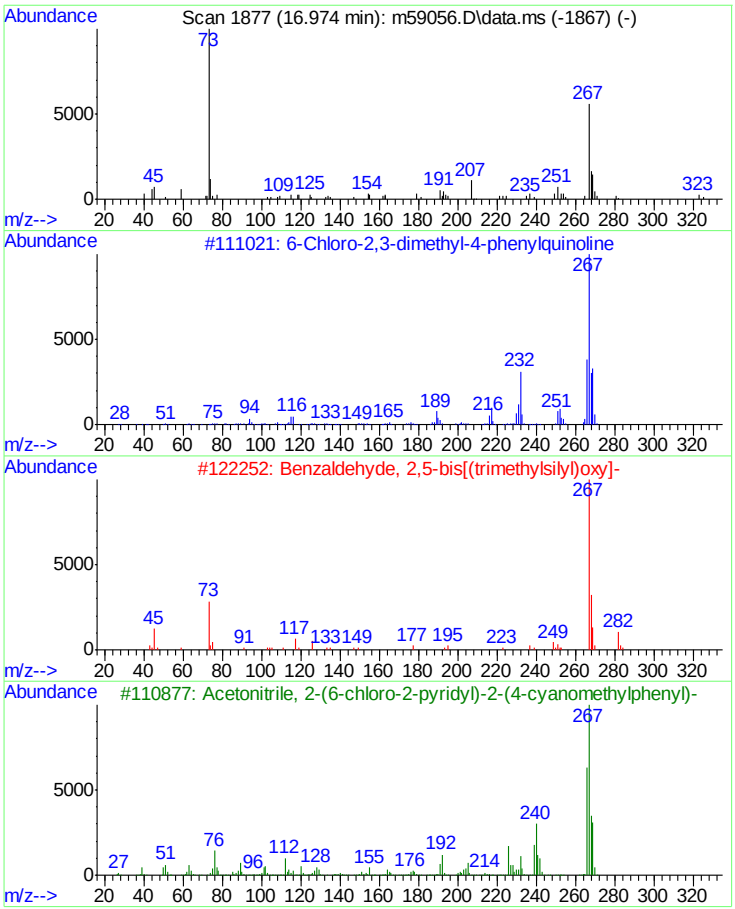
TIC Library   : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P
```

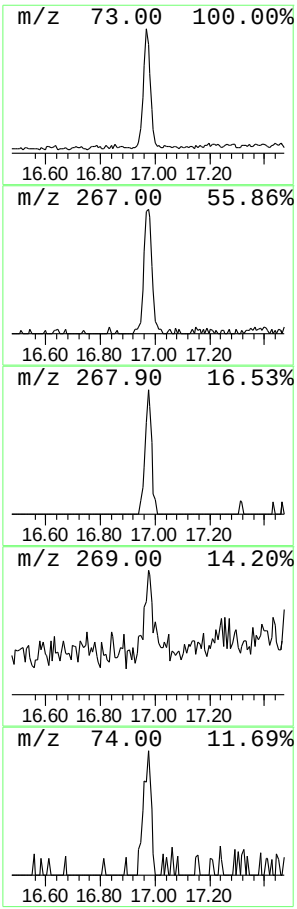
****

Peak Number 1 6-Chloro-2,3-dimethyl-4-phe... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.974	11.26 ug/kg	471927	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Chloro-2,3-dimethyl-4-phenylqu...	267	C17H14ClN	022609-11-6	52
2	Benzaldehyde, 2,5-bis[(trimethyl...	282	C13H22O3Si2	056114-69-3	50
3	Acetonitrile, 2-(6-chloro-2-pyri...	267	C15H10ClN3	1000162-41-0	47
4	6H-Indolo[2,3-b]quinoxaline, 10-...	267	C15H10ClN3	1000319-70-8	47
5	4-[.alpha.-[2-Hydroxyethyl]ethyl...	355	C20H22ClN3O	1000252-94-4	43





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59056.D
Acq On : 9 Sep 2013 1:48 pm
Operator : krystend
Sample : mc24023-1
Misc : MS29844,MSM2039,4.431,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
6-Chloro-2,3-di...	16.974	11.3	ug/kg	471927	5	16.072	2095580	50.0

7.1.2

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73810.D
Acq On : 9 Sep 2013 11:38 am
Operator : GaryK
Sample : mc24023-2
Misc : ms29847,msk2397,9.418,,100,10,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 09 13:19:03 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration

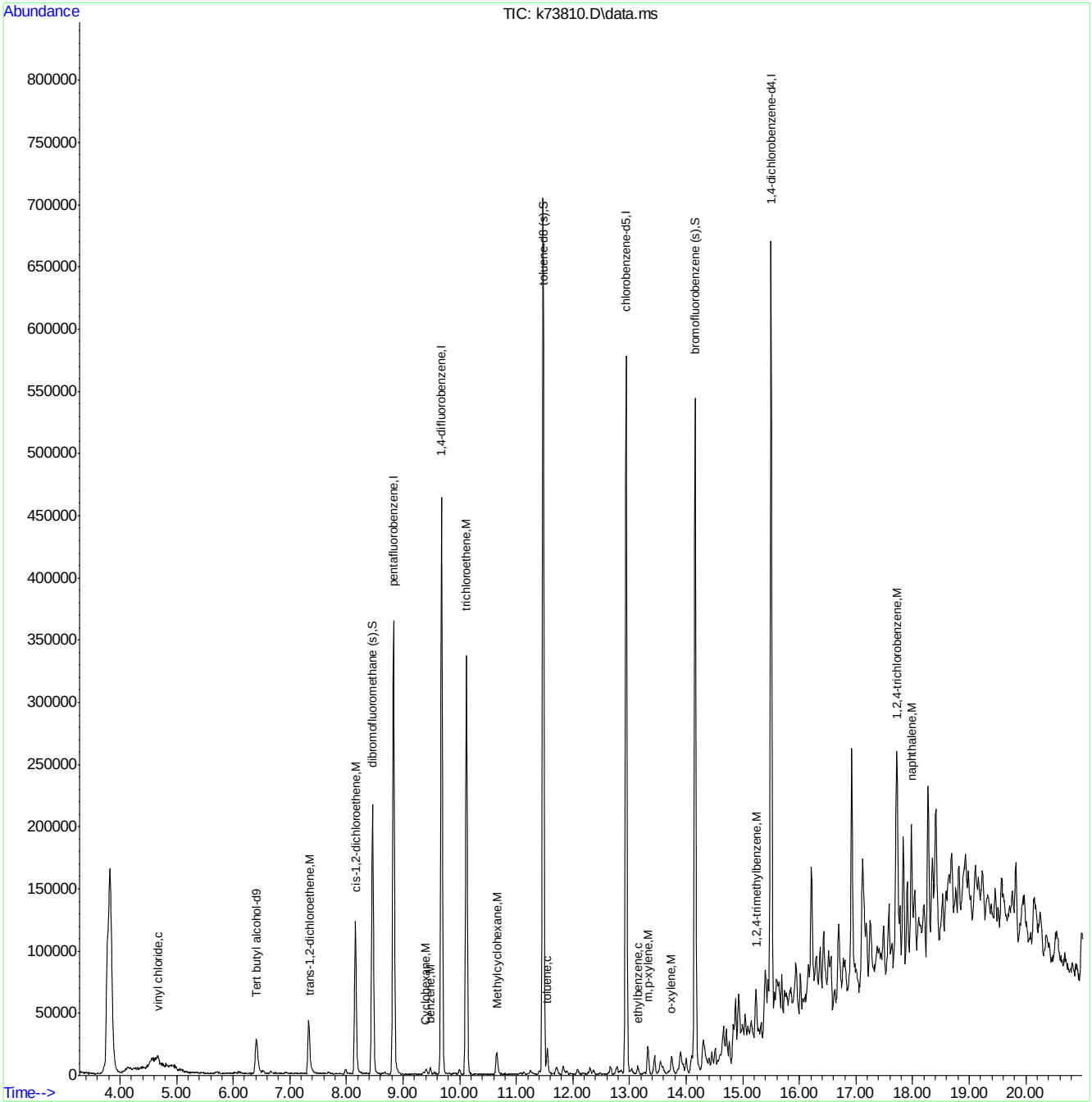
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.418	65	49099	500.00	ug/kg	0.00
4) pentafluorobenzene	8.834	168	316983	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.681	114	462967	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.940	82	186122	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.499	152	210736	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.463	113	158342	48.24	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.48%			
63) toluene-d8 (s)	11.475	98	554763	47.68	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.36%			
87) bromofluorobenzene (s)	14.158	95	200749	45.49	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.98%			
Target Compounds						Qvalue
7) vinyl chloride	4.675	62	7222	2.54	ug/kg	88
23) trans-1,2-dichloroethene	7.348	96	25885	8.13	ug/kg	93
37) cis-1,2-dichloroethene	8.163	96	69678	20.15	ug/kg	96
46) Cyclohexane	9.403	56	2764	0.68	ug/kg#	78
49) benzene	9.481	78	3367	0.31	ug/kg	93
54) trichloroethene	10.119	95	117992	36.17	ug/kg	96
58) Methylcyclohexane	10.658	83	8972	2.19	ug/kg#	83
65) toluene	11.547	92	9900	1.34	ug/kg	90
78) ethylbenzene	13.145	91	5551	0.43	ug/kg	70
79) m,p-xylene	13.326	106	8379	1.53	ug/kg	91
80) o-xylene	13.741	106	3807	0.70	ug/kg	100
96) 1,2,4-trimethylbenzene	15.236	105	23449	1.99	ug/kg	96
105) 1,2,4-trichlorobenzene	17.729	180	30789	7.35	ug/kg	99
107) naphthalene	17.978	128	48491	7.47	ug/kg	100

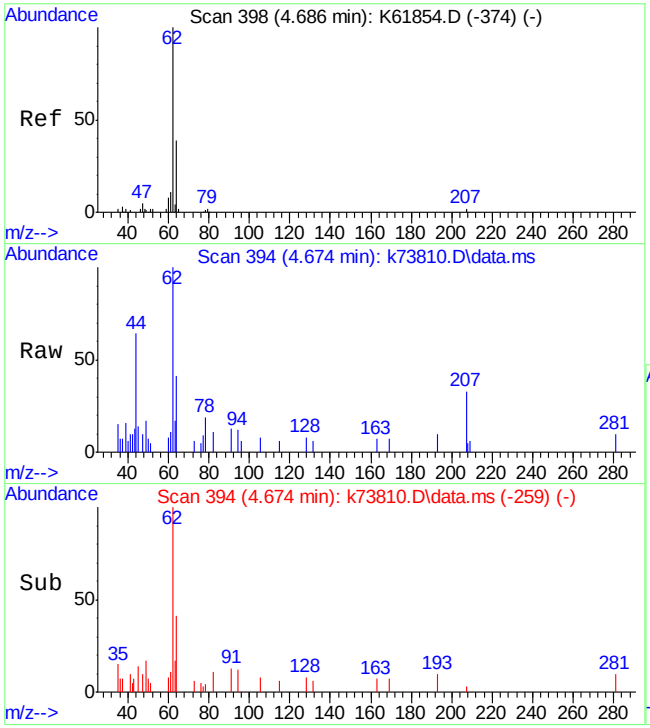
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73810.D
Acq On : 9 Sep 2013 11:38 am
Operator : GaryK
Sample : mc24023-2
Misc : ms29847,msk2397,9.418,,100,10,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 09 13:19:03 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration

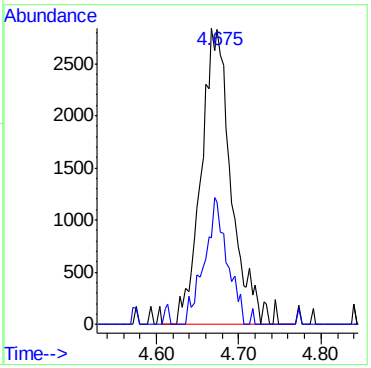


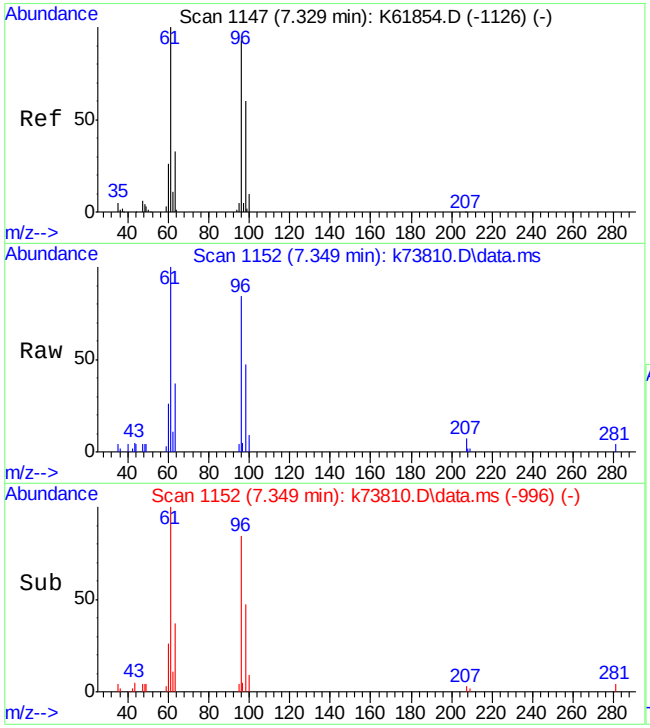


#7
vinyl chloride
Concen: 2.54 ug/kg
RT: 4.675 min Scan# 394
Delta R.T. -0.021 min
Lab File: k73810.D
Acq: 9 Sep 2013 11:38 am

Tgt Ion: 62 Resp: 7222

Ion	Ratio	Lower	Upper
62	100		
64	41.5	4.3	64.3

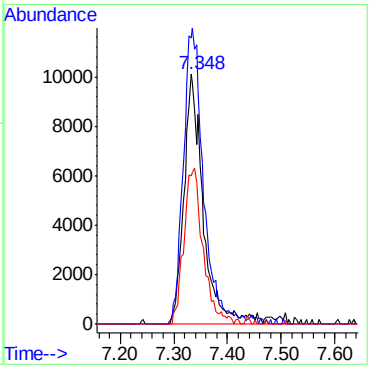


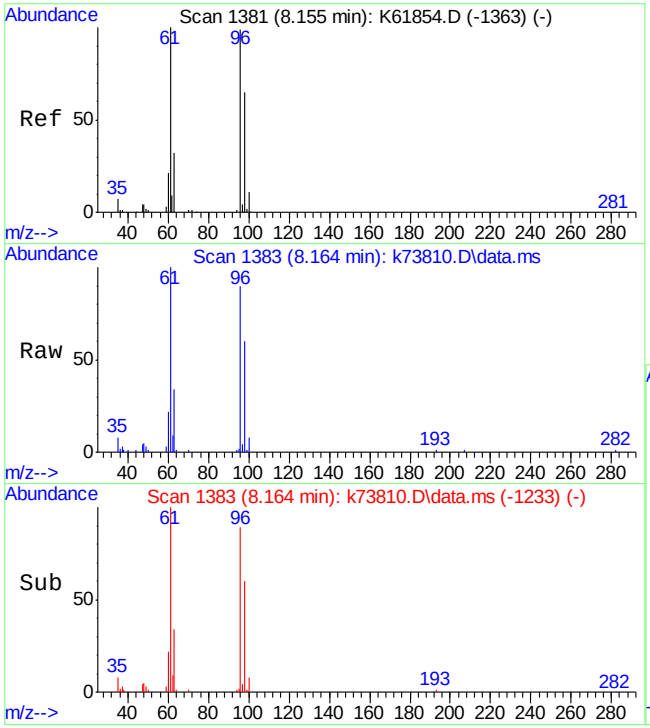


#23
trans-1,2-dichloroethene
Concen: 8.13 ug/kg
RT: 7.348 min Scan# 1152
Delta R.T. 0.000 min
Lab File: k73810.D
Acq: 9 Sep 2013 11:38 am

Tgt Ion: 96 Resp: 25885

Ion	Ratio	Lower	Upper
96	100		
61	119.0	84.6	144.6
98	56.2	35.3	95.3

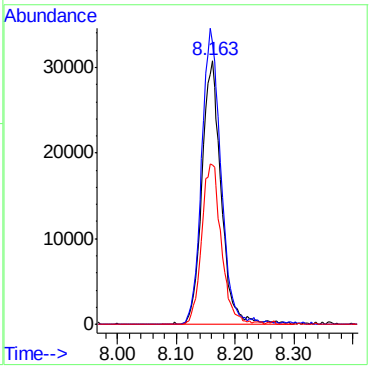


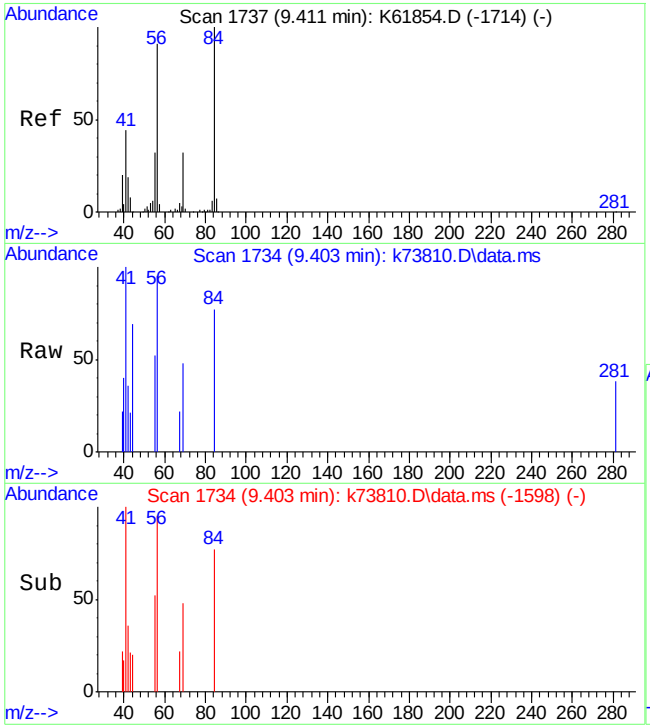


#37
cis-1,2-dichloroethene
Concen: 20.15 ug/kg
RT: 8.163 min Scan# 1383
Delta R.T. -0.003 min
Lab File: k73810.D
Acq: 9 Sep 2013 11:38 am

Tgt Ion: 96 Resp: 69678

Ion	Ratio	Lower	Upper
96	100		
61	111.1	76.6	136.6
98	66.5	34.6	94.6

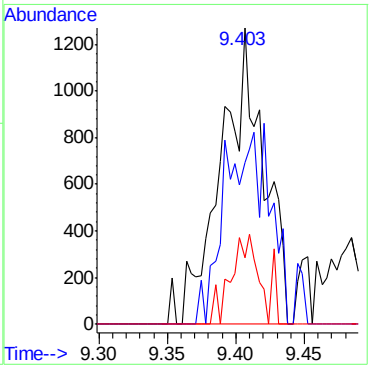


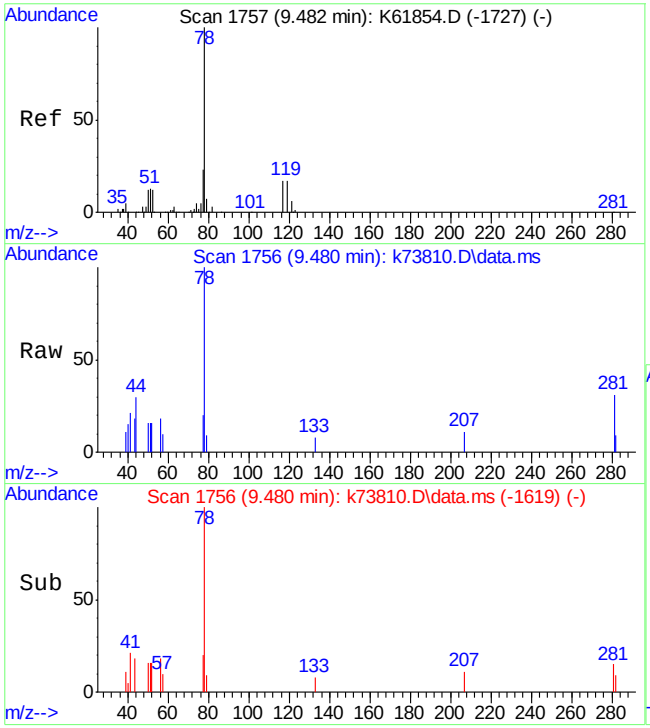


#46
Cyclohexane
Concen: 0.68 ug/kg
RT: 9.403 min Scan# 1734
Delta R.T. -0.019 min
Lab File: k73810.D
Acq: 9 Sep 2013 11:38 am

Tgt Ion: 56 Resp: 2764

Ion	Ratio	Lower	Upper
56	100		
84	80.6	81.2	121.8#
69	50.2	27.7	41.5#

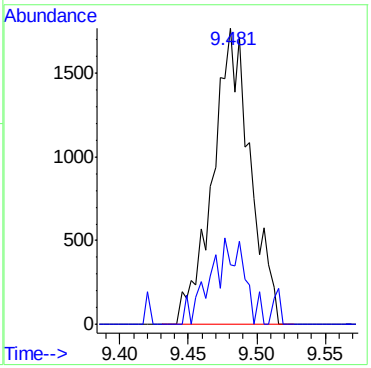


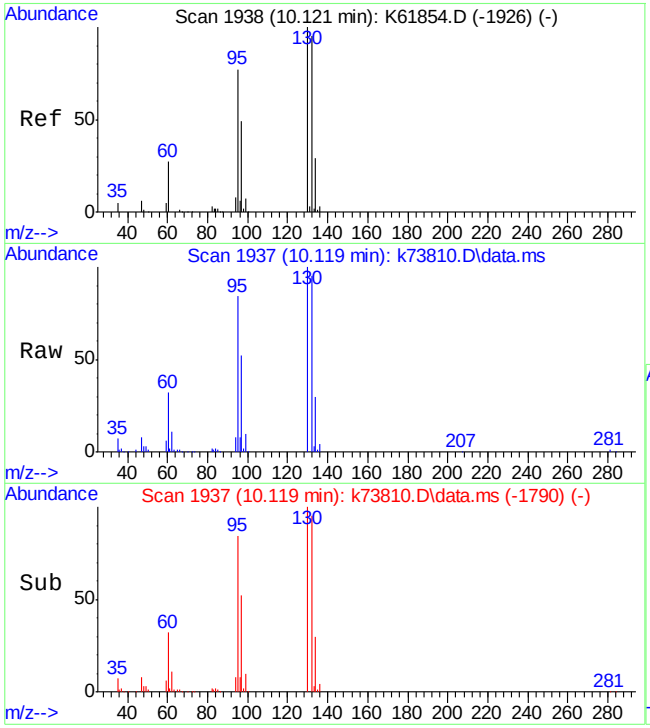


#49
benzene
Concen: 0.31 ug/kg
RT: 9.481 min Scan# 1756
Delta R.T. -0.005 min
Lab File: k73810.D
Acq: 9 Sep 2013 11:38 am

Tgt Ion: 78 Resp: 3367

Ion	Ratio	Lower	Upper
78	100		
77	20.2	0.0	53.4

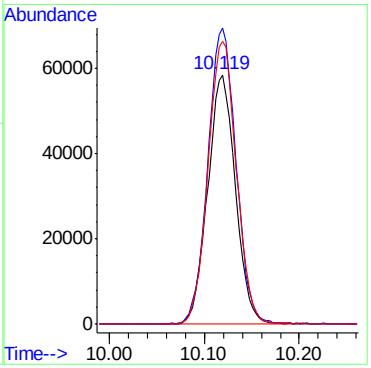


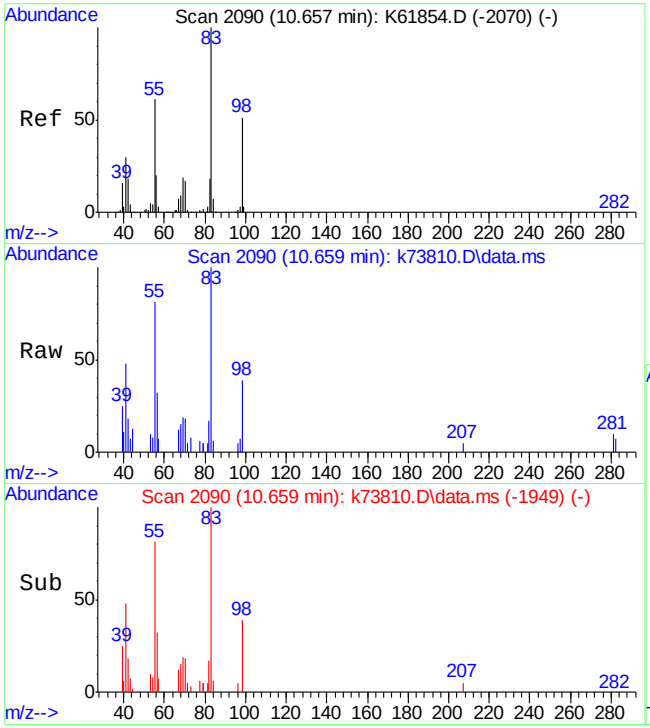


#54
trichloroethene
Concen: 36.17 ug/kg
RT: 10.119 min Scan# 1937
Delta R.T. -0.003 min
Lab File: k73810.D
Acq: 9 Sep 2013 11:38 am

Tgt Ion: 95 Resp: 117992

Ion	Ratio	Lower	Upper
95	100		
130	118.9	83.8	143.8
132	113.5	79.6	139.6

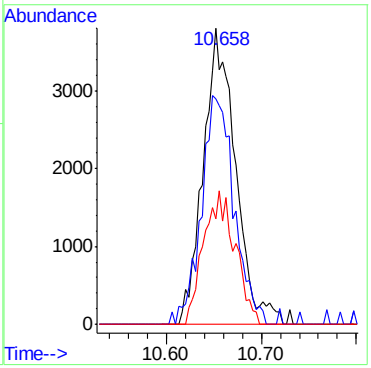


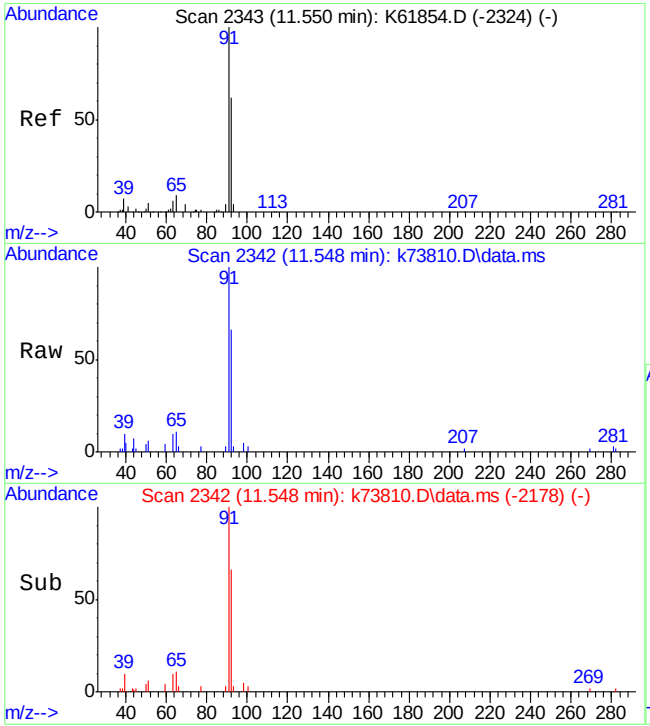


#58
Methylcyclohexane
Concen: 2.19 ug/kg
RT: 10.658 min Scan# 2090
Delta R.T. -0.005 min
Lab File: k73810.D
Acq: 9 Sep 2013 11:38 am

Tgt Ion: 83 Resp: 8972

Ion	Ratio	Lower	Upper
83	100		
55	80.8	52.2	78.4#
98	39.2	38.9	58.3

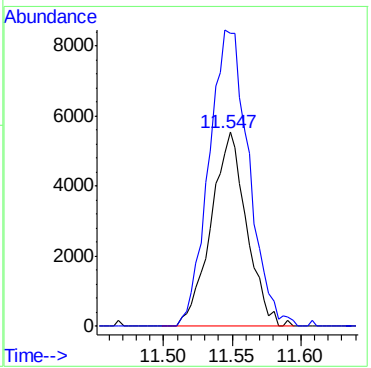


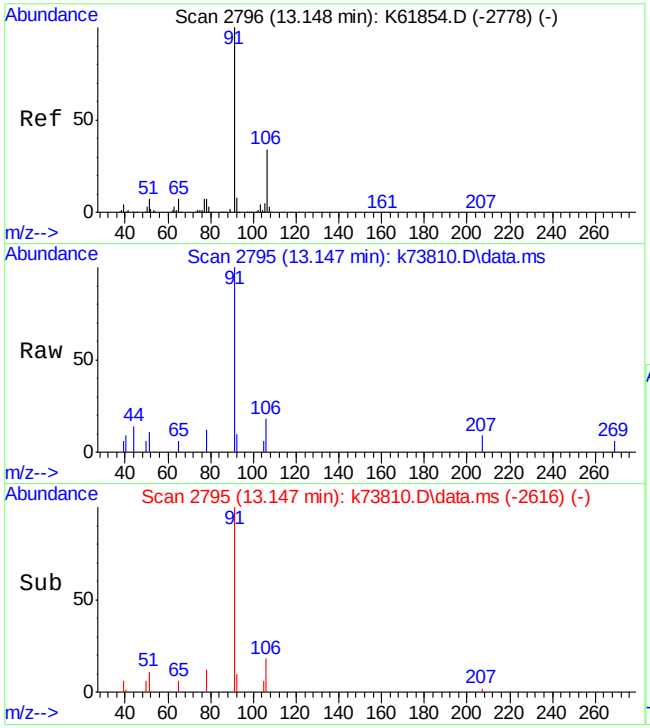


#65
toluene
Concen: 1.34 ug/kg
RT: 11.547 min Scan# 2342
Delta R.T. -0.003 min
Lab File: k73810.D
Acq: 9 Sep 2013 11:38 am

Tgt Ion: 92 Resp: 9900

Ion	Ratio	Lower	Upper
92	100		
91	151.4	135.5	195.5

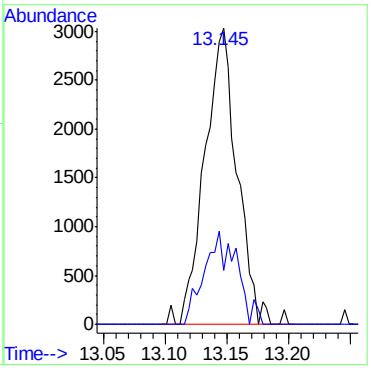


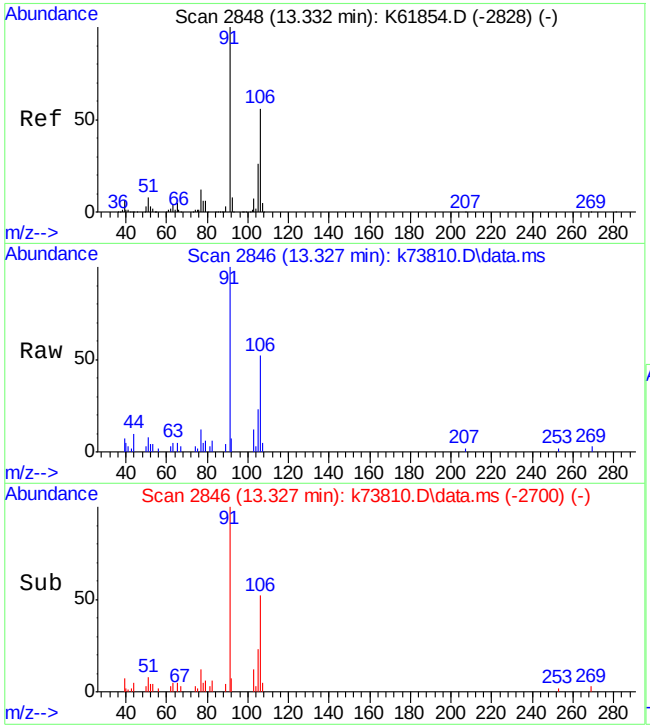


#78
ethylbenzene
Concen: 0.43 ug/kg
RT: 13.145 min Scan# 2795
Delta R.T. -0.002 min
Lab File: k73810.D
Acq: 9 Sep 2013 11:38 am

Tgt Ion: 91 Resp: 5551

Ion	Ratio	Lower	Upper
91	100		
106	18.1	5.5	65.5

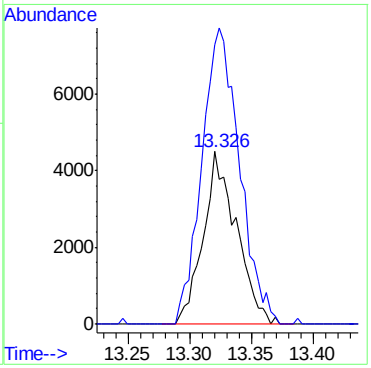


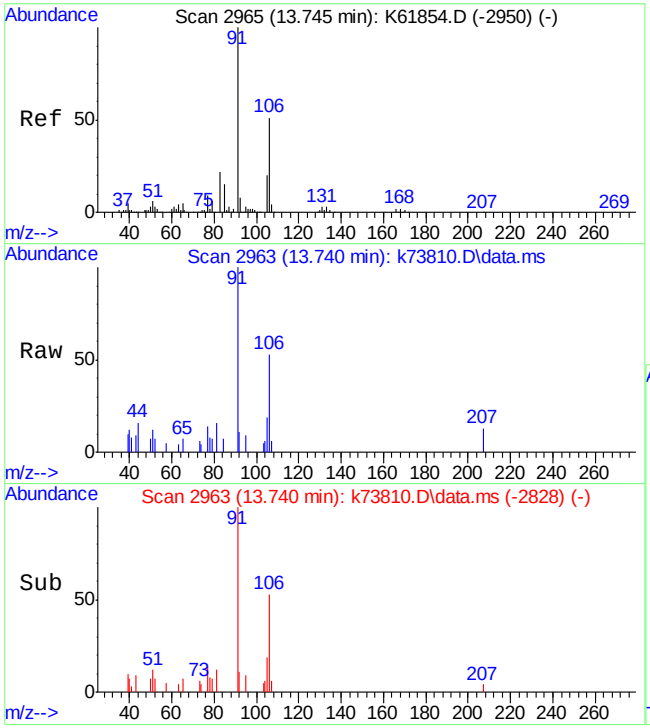


#79
m,p-xylene
Concen: 1.53 ug/kg
RT: 13.326 min Scan# 2846
Delta R.T. -0.004 min
Lab File: k73810.D
Acq: 9 Sep 2013 11:38 am

Tgt Ion:106 Resp: 8379

Ion	Ratio	Lower	Upper
106	100		
91	192.4	150.2	210.2

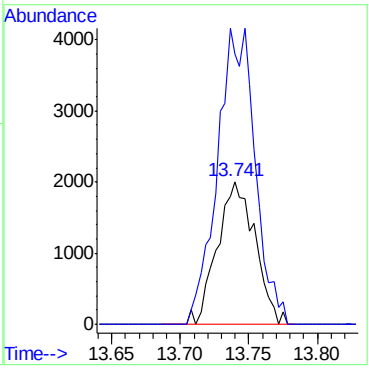


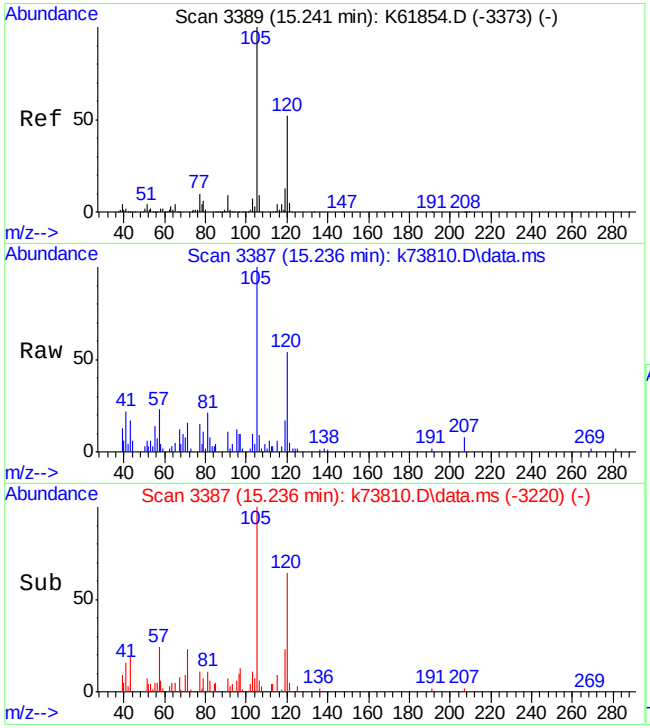


#80
o-xylene
Concen: 0.70 ug/kg
RT: 13.741 min Scan# 2963
Delta R.T. -0.002 min
Lab File: k73810.D
Acq: 9 Sep 2013 11:38 am

Tgt Ion:106 Resp: 3807

Ion	Ratio	Lower	Upper
106	100		
91	189.2	159.4	219.4

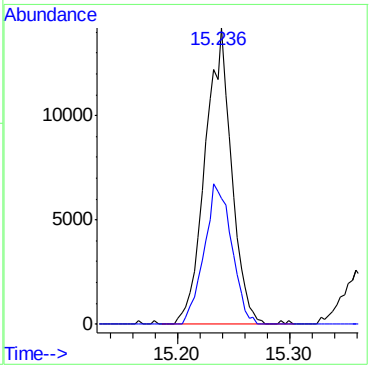


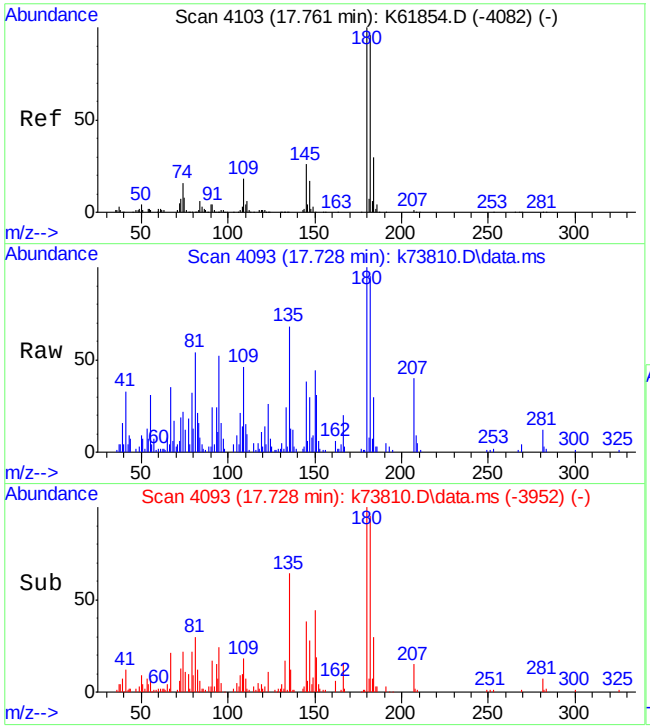


#96
1,2,4-trimethylbenzene
Concen: 1.99 ug/kg
RT: 15.236 min Scan# 3387
Delta R.T. -0.002 min
Lab File: k73810.D
Acq: 9 Sep 2013 11:38 am

Tgt Ion:105 Resp: 23449

Ion	Ratio	Lower	Upper
105	100		
120	54.0	21.1	81.1

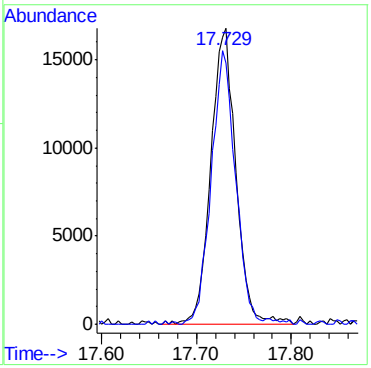


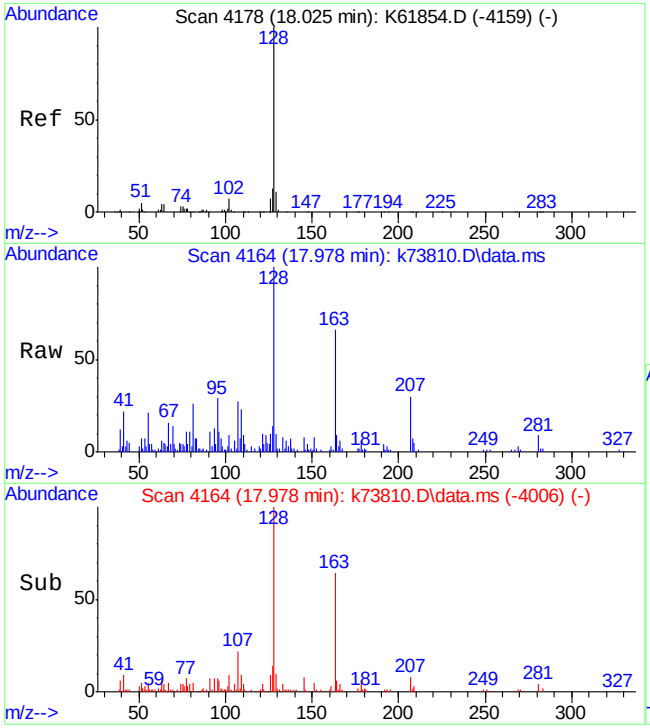


#105
1,2,4-trichlorobenzene
Concen: 7.35 ug/kg
RT: 17.729 min Scan# 4093
Delta R.T. 0.000 min
Lab File: k73810.D
Acq: 9 Sep 2013 11:38 am

Tgt Ion:180 Resp: 30789

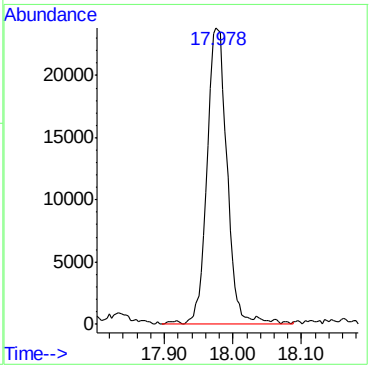
Ion	Ratio	Lower	Upper
180	100		
182	95.2	66.6	126.6





#107
naphthalene
Concen: 7.47 ug/kg
RT: 17.978 min Scan# 4164
Delta R.T. -0.001 min
Lab File: k73810.D
Acq: 9 Sep 2013 11:38 am

Tgt Ion:128 Resp: 48491



LSC Area Percent Report

Data Path : C:\msdchem\1\data\130909\
Data File : k73810.D
Acq On : 9 Sep 2013 11:38 am
Operator : GaryK
Sample : mc24023-2
Misc : ms29847tic,msk2397,9.418,,100,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\K130903S.m
Title : SW-846 Method 8260

Signal : TIC: k73810.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.410	871	886	910	rBV2	27903	91365	6.72%	0.837%
2	7.335	1136	1148	1168	rBV2	42726	109368	8.05%	1.002%
3	8.157	1367	1381	1400	rBV2	122630	275977	20.30%	2.529%
4	8.461	1451	1467	1487	rBV2	217233	487948	35.89%	4.472%
5	8.831	1557	1572	1589	rBV2	364435	785494	57.78%	7.200%
6	9.678	1796	1812	1833	rBV	464250	939151	69.09%	8.608%
7	10.119	1923	1937	1954	rBV2	336544	687600	50.58%	6.302%
8	10.652	2076	2088	2089	rBV2	17504	24045	1.77%	0.220%
9	11.474	2307	2321	2334	rBV	702909	1359384	100.00%	12.460%
10	11.545	2336	2341	2354	rVB2	20229	35775	2.63%	0.328%
11	12.939	2720	2736	2752	rBV	576759	1101402	81.02%	10.095%
12	13.320	2835	2844	2857	rBV2	21846	47308	3.48%	0.434%
13	13.440	2868	2878	2892	rVB7	14489	27674	2.04%	0.254%
14	13.895	2982	3007	3019	rBV7	18063	59562	4.38%	0.546%
15	14.001	3028	3037	3051	rVB5	11820	23024	1.69%	0.211%
16	14.100	3051	3065	3066	rBV8	14367	23441	1.72%	0.215%
17	14.160	3069	3082	3099	rVB2	537196	1024855	75.39%	9.393%
18	14.308	3110	3124	3136	rBV2	24273	79616	5.86%	0.730%
19	14.453	3157	3165	3173	rBV5	11158	18697	1.38%	0.171%
20	14.513	3175	3182	3190	rVB8	13093	21325	1.57%	0.195%
21	14.657	3213	3223	3229	rBV6	23682	44907	3.30%	0.412%
22	14.760	3247	3252	3260	rVB8	17167	28743	2.11%	0.263%
23	14.834	3263	3273	3274	rBV3	30511	38913	2.86%	0.357%
24	14.869	3279	3283	3291	rVV4	37426	58400	4.30%	0.535%
25	14.929	3292	3300	3310	rVV9	35778	81415	5.99%	0.746%
26	15.042	3327	3332	3340	rVB6	16637	24167	1.78%	0.222%
27	15.233	3379	3386	3395	rVB4	34013	63186	4.65%	0.579%
28	15.398	3420	3433	3441	rBV4	54769	149605	11.01%	1.371%
29	15.441	3443	3445	3451	rVV7	35839	51436	3.78%	0.471%
30	15.497	3451	3461	3474	rVB	619826	1144241	84.17%	10.488%
31	15.688	3510	3515	3523	rVB6	30901	41267	3.04%	0.378%
32	16.016	3603	3608	3616	rVB8	28237	40733	3.00%	0.373%
33	16.214	3656	3664	3677	rVB9	91812	189852	13.97%	1.740%
34	16.697	3791	3801	3812	rBV7	56443	138224	10.17%	1.267%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\130909\
Data File : k73810.D
Acq On : 9 Sep 2013 11:38 am
Operator : GaryK
Sample : mc24023-2
Misc : ms29847tic,msk2397,9.418,,100,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\K130903S.m
Title : SW-846 Method 8260

35	16.923	3856	3865	3877	rBV3	177251	333619	24.54%	3.058%
36	17.117	3912	3920	3932	rBV4	82649	211424	15.55%	1.938%
37	17.720	4080	4091	4102	rBV7	151451	375173	27.60%	3.439%
38	17.833	4116	4123	4133	rVB2	102833	196925	14.49%	1.805%
39	17.904	4139	4143	4152	rVB3	53374	80303	5.91%	0.736%
40	17.978	4157	4164	4171	rVV2	84617	144484	10.63%	1.324%
41	18.271	4239	4247	4258	rBV5	124872	250350	18.42%	2.295%

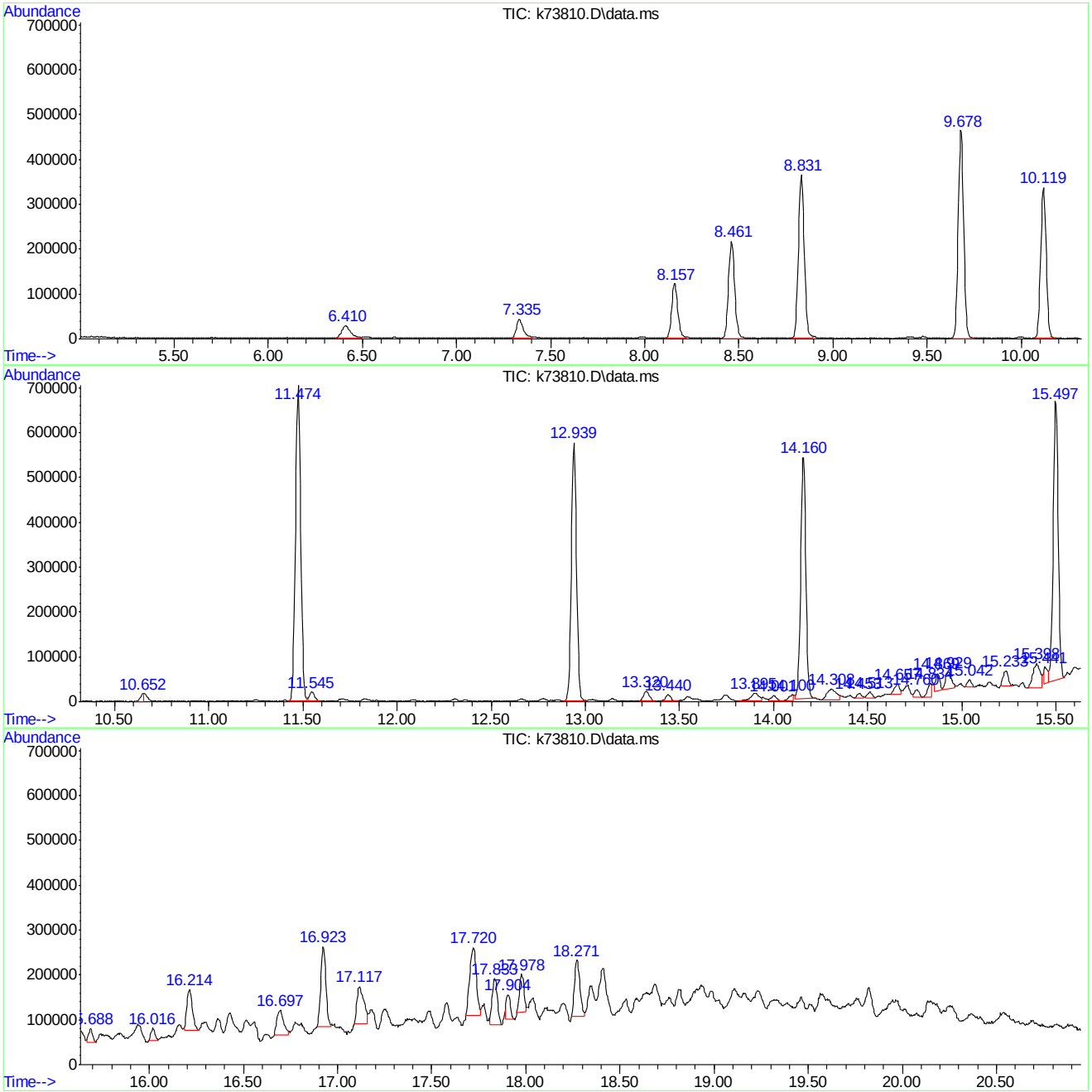
Sum of corrected areas: 10910378

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\130909\
Data File : k73810.D
Acq On : 9 Sep 2013 11:38 am
Operator : GaryK
Sample : mc24023-2
Misc : ms29847tic,msk2397,9.418,,100,10,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\130909\
Data File : k73810.D
Acq On : 9 Sep 2013 11:38 am
Operator : GaryK
Sample : mc24023-2
Misc : ms29847tic,msk2397,9.418,,100,10,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260

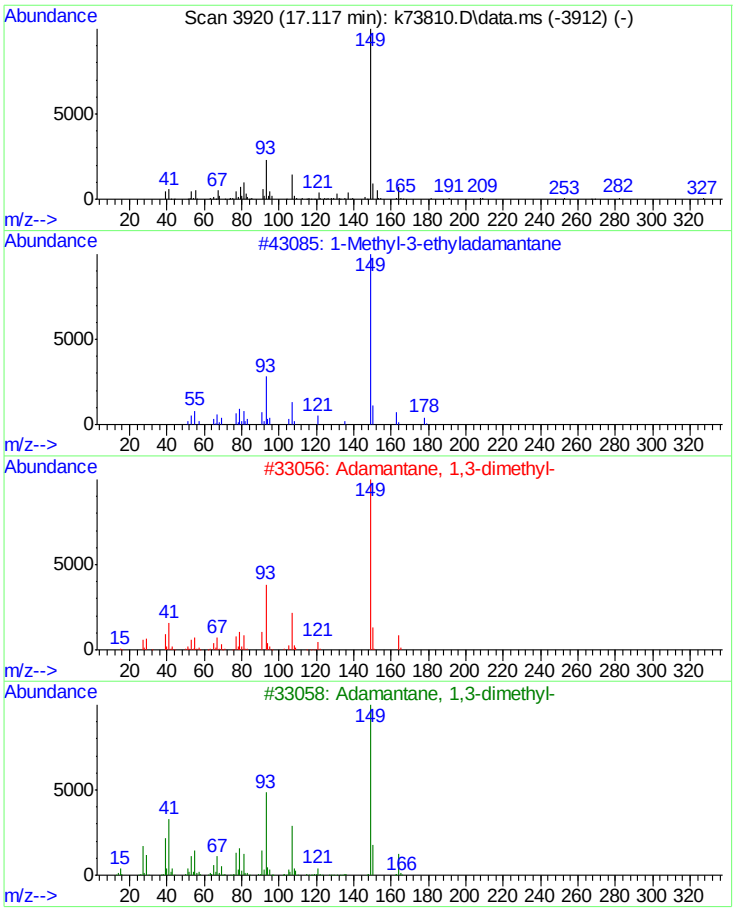
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

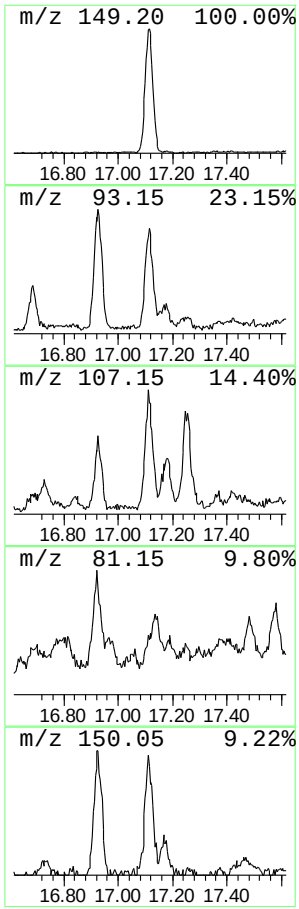
****

Peak Number 5 1-Methyl-3-ethyladamantane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.117	9.24 ug/kg	211424	1,4-dichlorobenzene-d4	15.499

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-3-ethyladamantane	178	C13H22	001687-34-9	78
2	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	53
3	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	50
4	Tricyclo[4.3.1.1(3,8)]undecane-1...	208	C13H20O2	031083-60-0	50
5	Cis-1,4-dimethyladamantane	164	C12H20	024145-89-9	47





Library Search Compound Report

Data Path : C:\msdchem\1\data\130909\
Data File : k73810.D
Acq On : 9 Sep 2013 11:38 am
Operator : GaryK
Sample : mc24023-2
Misc : ms29847tic,msk2397,9.418,,100,10,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260

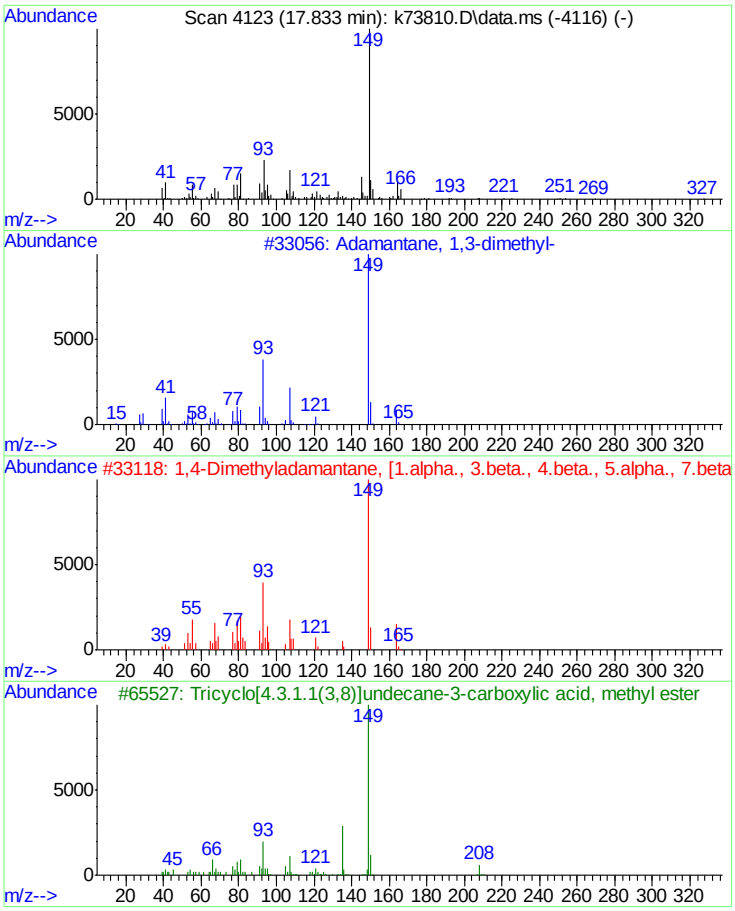
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

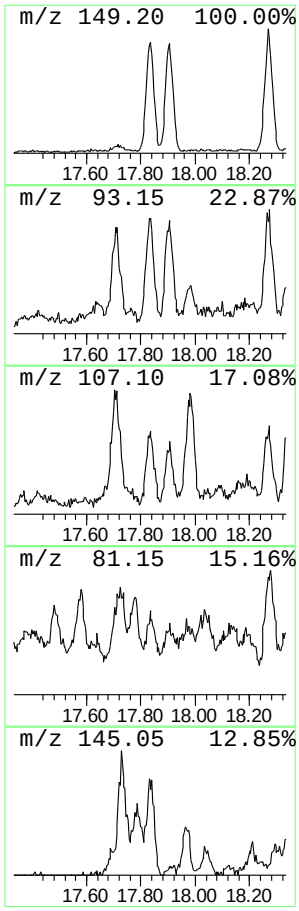
****

Peak Number 6 Adamantane, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.833	8.61 ug/kg	196925	1,4-dichlorobenzene-d4	15.499

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	74
2	1,4-Dimethyladamantane, [1.alpha...	164	C12H20	024145-88-8	72
3	Tricyclo[4.3.1.1(3,8)]undecane-3...	208	C13H20O2	031061-61-7	59
4	Adamantane, 1-isothiocyanato-3-m...	207	C12H17NS	136860-48-5	59
5	Benzenemethanol, 4-(1,1-dimethyl...	164	C11H16O	000877-65-6	50





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\130909\
Data File : k73810.D
Acq On : 9 Sep 2013 11:38 am
Operator : GaryK
Sample : mc24023-2
Misc : ms29847tic,msk2397,9.418,,100,10,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1-Methyl-3-ethy...	17.117	9.2	ug/kg	211424	5	15.499	1144240	50.0
Adamantane, 1,3...	17.833	8.6	ug/kg	196925	5	15.499	1144240	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59057.D
Acq On : 9 Sep 2013 2:18 pm
Operator : krystend
Sample : mc24023-3
Misc : MS29844,MSM2039,4.784,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 09 15:47:00 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

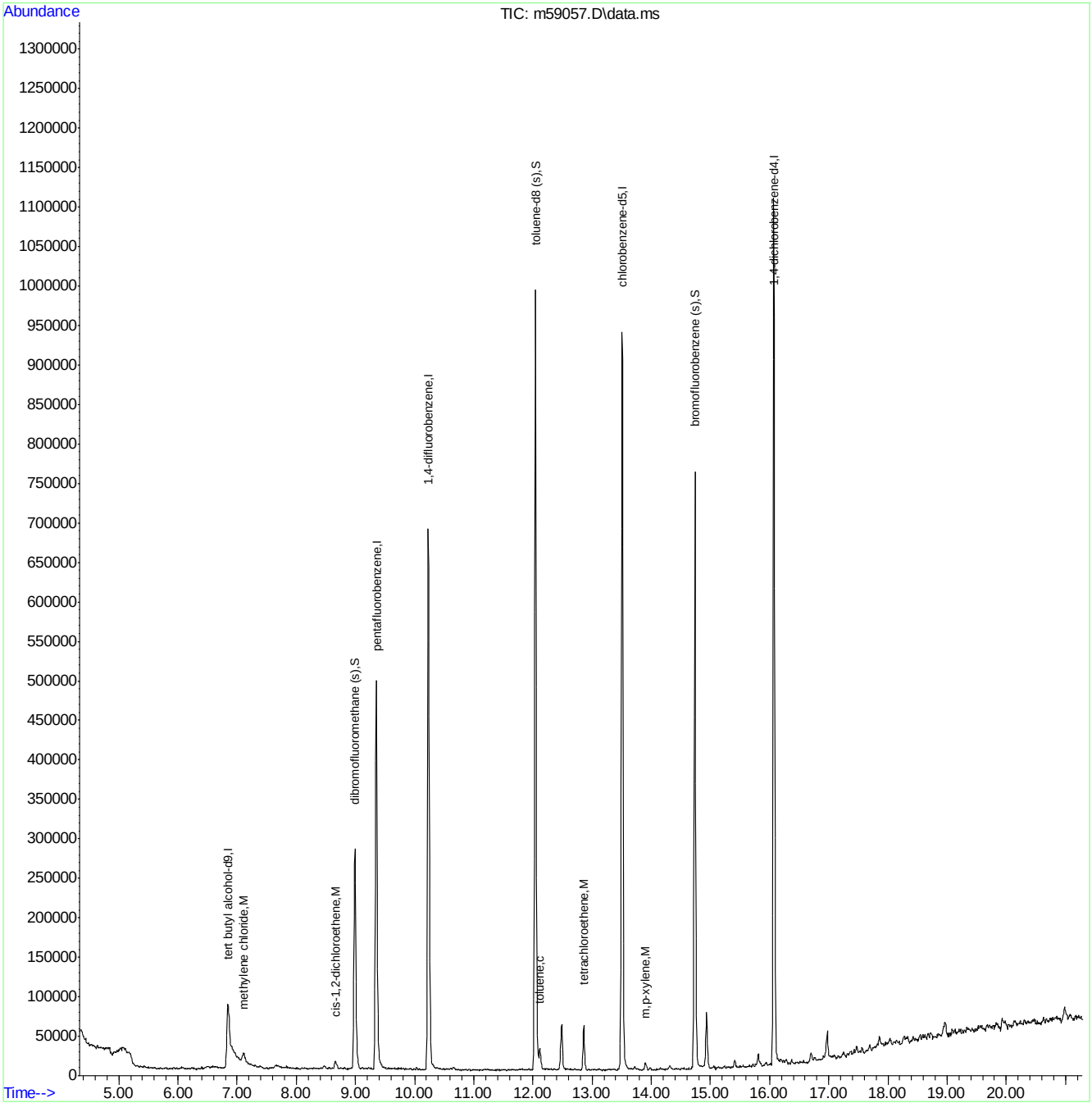
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	274371	500.00	ug/kg	0.00
4) pentafluorobenzene	9.356	168	403479	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	660207	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	286858	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	335378	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	200635	38.85	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 77.70%			
59) toluene-d8 (s)	12.043	98	720018	41.33	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 82.66%			
81) bromofluorobenzene (s)	14.738	95	278649	42.78	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 85.56%			
Target Compounds						Qvalue
18) methylene chloride	7.112	84	9519	1.69	ug/kg	84
35) cis-1,2-dichloroethene	8.662	96	6789	1.11	ug/kg#	65
61) toluene	12.117	92	9807	0.75	ug/kg	91
66) tetrachloroethene	12.865	166	17083	3.73	ug/kg	93
74) m,p-xylene	13.903	106	2993	0.31	ug/kg	99

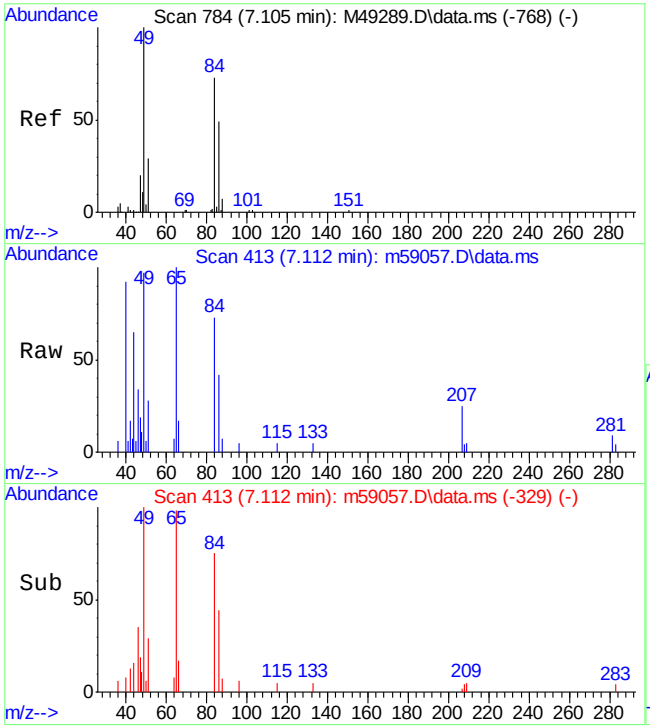
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59057.D
Acq On : 9 Sep 2013 2:18 pm
Operator : krystend
Sample : mc24023-3
Misc : MS29844,MSM2039,4.784,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 09 15:47:00 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

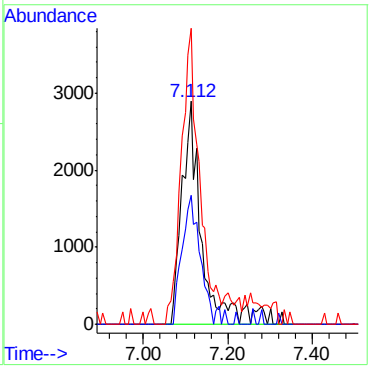


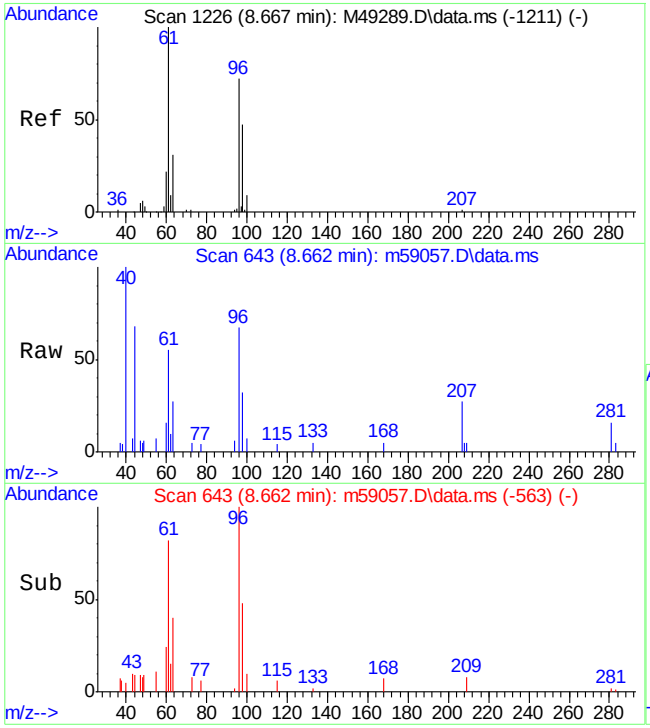


#18
methylene chloride
Concen: 1.69 ug/kg
RT: 7.112 min Scan# 413
Delta R.T. 0.007 min
Lab File: m59057.D
Acq: 9 Sep 2013 2:18 pm

Tgt Ion: 84 Resp: 9519

Ion	Ratio	Lower	Upper
84	100		
86	58.1	37.2	97.2
49	132.7	125.7	185.7

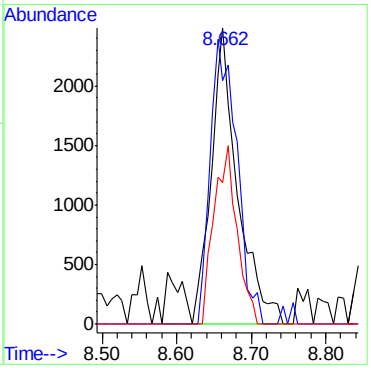


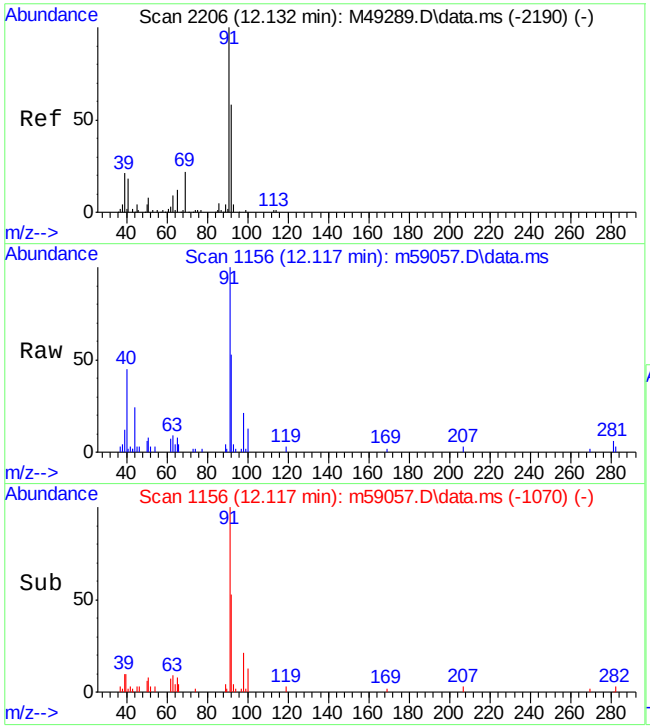


#35
cis-1,2-dichloroethene
Concen: 1.11 ug/kg
RT: 8.662 min Scan# 643
Delta R.T. 0.007 min
Lab File: m59057.D
Acq: 9 Sep 2013 2:18 pm

Tgt Ion: 96 Resp: 6789

Ion	Ratio	Lower	Upper
96	100		
61	82.1	102.0	162.0#
98	47.9	32.2	92.2

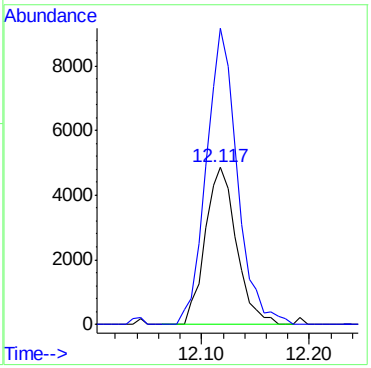


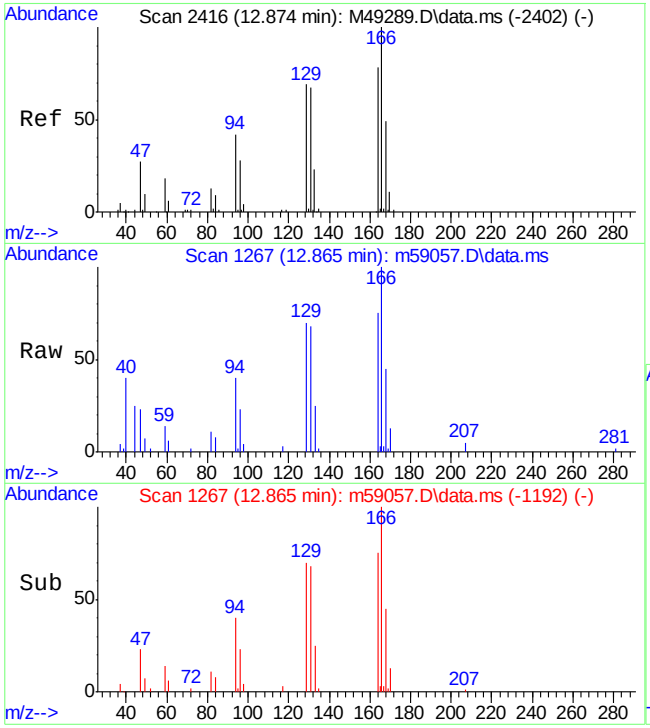


#61
toluene
Concen: 0.75 ug/kg
RT: 12.117 min Scan# 1156
Delta R.T. 0.000 min
Lab File: m59057.D
Acq: 9 Sep 2013 2:18 pm

Tgt Ion: 92 Resp: 9807

Ion	Ratio	Lower	Upper
92	100		
91	188.4	145.9	205.9

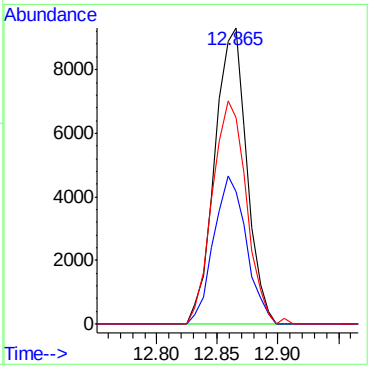


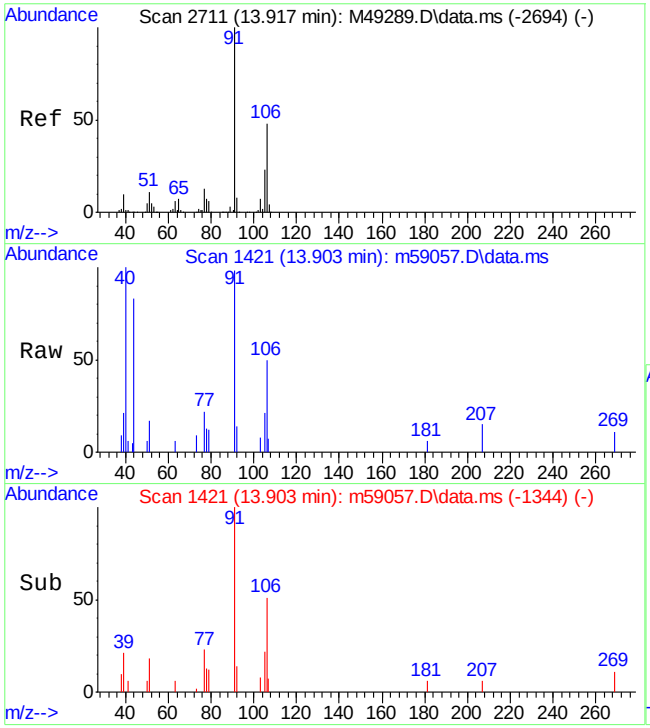


#66
tetrachloroethene
Concen: 3.73 ug/kg
RT: 12.865 min Scan# 1267
Delta R.T. 0.007 min
Lab File: m59057.D
Acq: 9 Sep 2013 2:18 pm

Tgt Ion:166 Resp: 17083

Ion	Ratio	Lower	Upper
166	100		
168	46.9	16.5	76.5
129	69.6	49.6	109.6

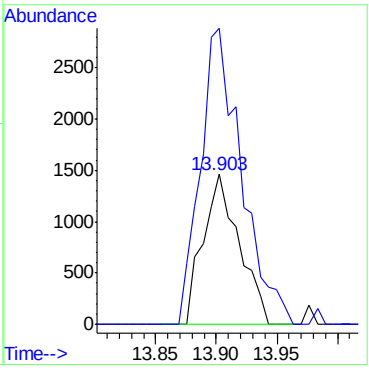




#74
m,p-xylene
Concen: 0.31 ug/kg
RT: 13.903 min Scan# 1421
Delta R.T. 0.001 min
Lab File: m59057.D
Acq: 9 Sep 2013 2:18 pm

Tgt Ion:106 Resp: 2993

Ion	Ratio	Lower	Upper
106	100		
91	197.2	166.0	226.0



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59057.D
Acq On : 9 Sep 2013 2:18 pm
Operator : krystend
Sample : mc24023-3
Misc : MS29844,MSM2039,4.784,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

Signal : TIC: m59057.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.270	279	288	301	rBV6	1956	7501	0.37%	0.064%
2	6.499	303	322	331	rBV8	3399	16937	0.83%	0.145%
3	6.843	363	373	407	rBV2	81111	463261	22.77%	3.954%
4	7.665	487	495	543	rVB10	5359	61114	3.00%	0.522%
5	8.136	555	565	573	rVB10	2673	12590	0.62%	0.107%
6	8.473	611	615	637	rVB10	3393	8771	0.43%	0.075%
7	8.662	637	643	663	rVB4	10546	31342	1.54%	0.268%
8	8.992	681	692	725	rVB	278523	647479	31.82%	5.527%
9	9.349	735	745	803	rVV	492376	1097985	53.96%	9.373%
10	9.766	803	807	817	rVB8	2825	7457	0.37%	0.064%
11	10.029	837	846	861	rVB8	3521	15610	0.77%	0.133%
12	10.231	867	876	911	rBV	685726	1403689	68.99%	11.982%
13	10.656	935	939	959	rVB7	4510	19257	0.95%	0.164%
14	10.811	959	962	969	rBV4	1388	4077	0.20%	0.035%
15	10.999	985	990	997	rBV3	1840	4411	0.22%	0.038%
16	11.181	1013	1017	1029	rVB8	1484	4545	0.22%	0.039%
17	11.370	1037	1045	1055	rVB4	2132	7519	0.37%	0.064%
18	11.518	1055	1067	1073	rBV4	1601	7411	0.36%	0.063%
19	11.585	1073	1077	1079	rBV2	1818	2403	0.12%	0.021%
20	11.821	1091	1112	1113	rVB7	2029	7460	0.37%	0.064%
21	11.868	1115	1119	1125	rVB5	1398	2416	0.12%	0.021%
22	11.936	1125	1129	1135	rVB4	2383	4681	0.23%	0.040%
23	12.043	1135	1145	1177	rBV	988776	1914031	94.07%	16.339%
24	12.313	1177	1185	1187	rVB4	2652	6772	0.33%	0.058%
25	12.360	1187	1192	1199	rBV5	2732	7632	0.38%	0.065%
26	12.488	1199	1211	1231	rVV2	57581	129278	6.35%	1.104%
27	12.703	1237	1243	1251	rVB3	2372	3744	0.18%	0.032%
28	12.858	1257	1266	1275	rBV2	57464	111070	5.46%	0.948%
29	13.121	1299	1305	1313	rVB7	2595	8329	0.41%	0.071%
30	13.189	1313	1315	1325	rBV5	1516	4825	0.24%	0.041%
31	13.276	1325	1328	1333	rVV5	1556	3776	0.19%	0.032%
32	13.364	1333	1341	1349	rVV5	1896	6919	0.34%	0.059%
33	13.505	1349	1362	1389	rVV	935194	1786770	87.81%	15.252%
34	13.721	1389	1394	1413	rVB6	4247	12916	0.63%	0.110%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59057.D
Acq On : 9 Sep 2013 2:18 pm
Operator : krystend
Sample : mc24023-3
Misc : MS29844,MSM2039,4.784,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

35	13.896	1413	1420	1427	rBV4	9097	21125	1.04%	0.180%
36	13.977	1429	1432	1443	rVB5	3119	6326	0.31%	0.054%
37	14.091	1443	1449	1457	rBV5	1659	4109	0.20%	0.035%
38	14.313	1469	1482	1507	rBV9	5009	25439	1.25%	0.217%
39	14.556	1507	1518	1531	rBV8	2998	9931	0.49%	0.085%
40	14.738	1531	1545	1565	rBV	757225	1417834	69.68%	12.103%
41	14.933	1565	1574	1597	rVB	72576	178706	8.78%	1.525%
42	15.135	1599	1604	1615	rVB6	2105	5158	0.25%	0.044%
43	15.243	1615	1620	1635	rBV8	4083	14402	0.71%	0.123%
44	15.412	1639	1645	1687	rBV10	9021	36622	1.80%	0.313%
45	15.721	1687	1691	1695	rBV5	3759	6016	0.30%	0.051%
46	15.809	1695	1704	1735	rBV5	16697	69108	3.40%	0.590%
47	16.072	1735	1743	1833	rBV	1097240	2034764	100.00%	17.369%
48	16.698	1833	1836	1869	rBV	10205	51317	2.52%	0.438%

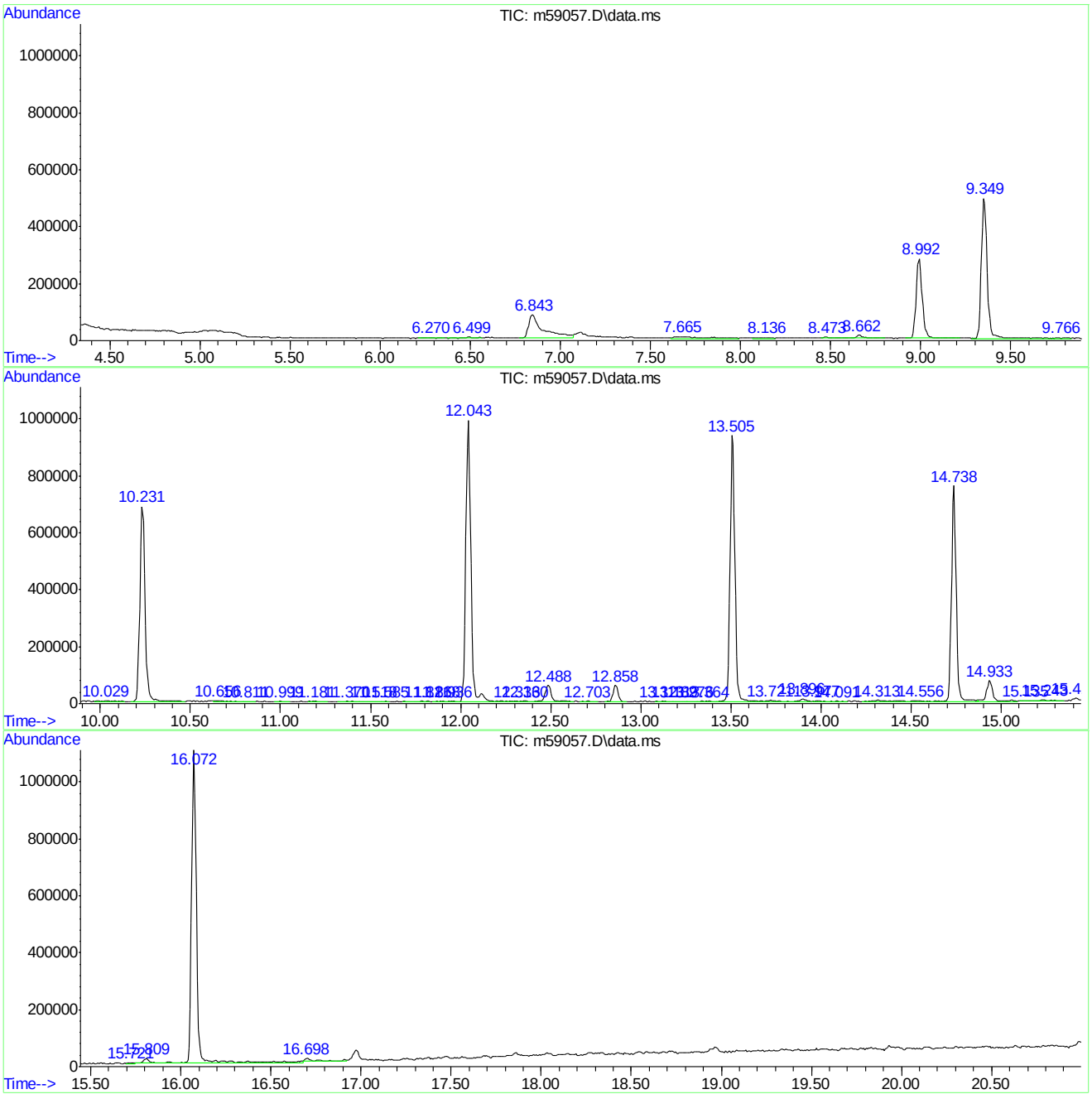
Sum of corrected areas: 11714835

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59057.D
Acq On : 9 Sep 2013 2:18 pm
Operator : krystend
Sample : mc24023-3
Misc : MS29844,MSM2039,4.784,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59057.D
Acq On : 9 Sep 2013 2:18 pm
Operator : krystend
Sample : mc24023-3
Misc : MS29844,MSM2039,4.784,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

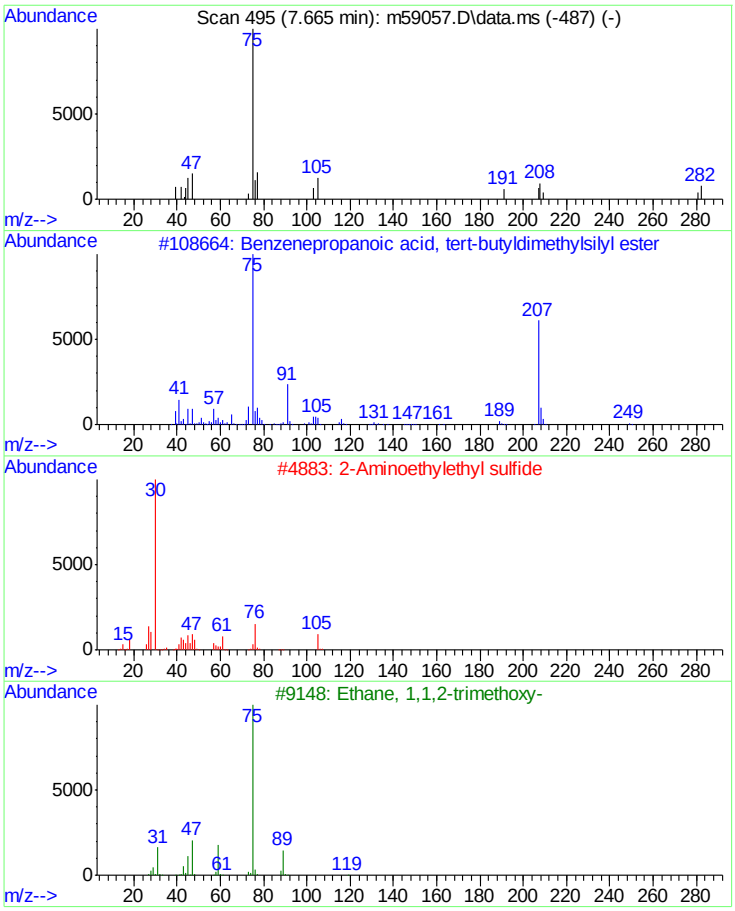
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

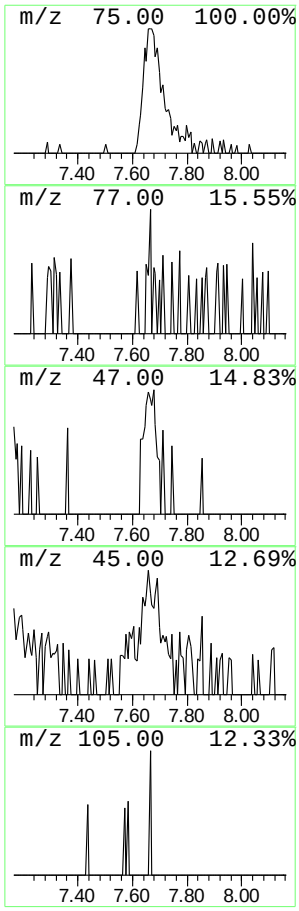
****

Peak Number 1 Benzenepropanoic acid, tert... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.665	2.78 ug/kg	61114	pentafluorobenzene	9.356

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenepropanoic acid, tert-buty...	264	C15H24O2Si	078324-01-3	50
2	2-Aminoethylethyl sulfide	105	C4H11NS	036489-03-9	9
3	Ethane, 1,1,2-trimethoxy-	120	C5H12O3	024332-20-5	9
4	Ethane, 1,1,2-trimethoxy-	120	C5H12O3	024332-20-5	9
5	Benzene, [2-(ethylthio)ethyl]-	166	C10H14S	022914-08-5	9





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59057.D
Acq On : 9 Sep 2013 2:18 pm
Operator : krystend
Sample : mc24023-3
Misc : MS29844,MSM2039,4.784,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzenepropanoi...	7.665	2.8	ug/kg	61114	2	9.356	1097990	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59058.D
Acq On : 9 Sep 2013 2:47 pm
Operator : krystend
Sample : mc24023-5
Misc : MS29844,MSM2039,4.784,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 09 15:48:32 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	305208	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	391964	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	648129	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	286947	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	343221	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	202743	40.41	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 80.82%			
59) toluene-d8 (s)	12.043	98	722289	42.24	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.48%			
81) bromofluorobenzene (s)	14.738	95	281034	42.16	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.32%			
Target Compounds						Qvalue
18) methylene chloride	7.105	84	9004	1.65	ug/kg	92
24) carbon disulfide	7.388	76	7161	0.46	ug/kg	95
35) cis-1,2-dichloroethene	8.662	96	2888	0.48	ug/kg	79
61) toluene	12.117	92	5851	0.46	ug/kg#	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

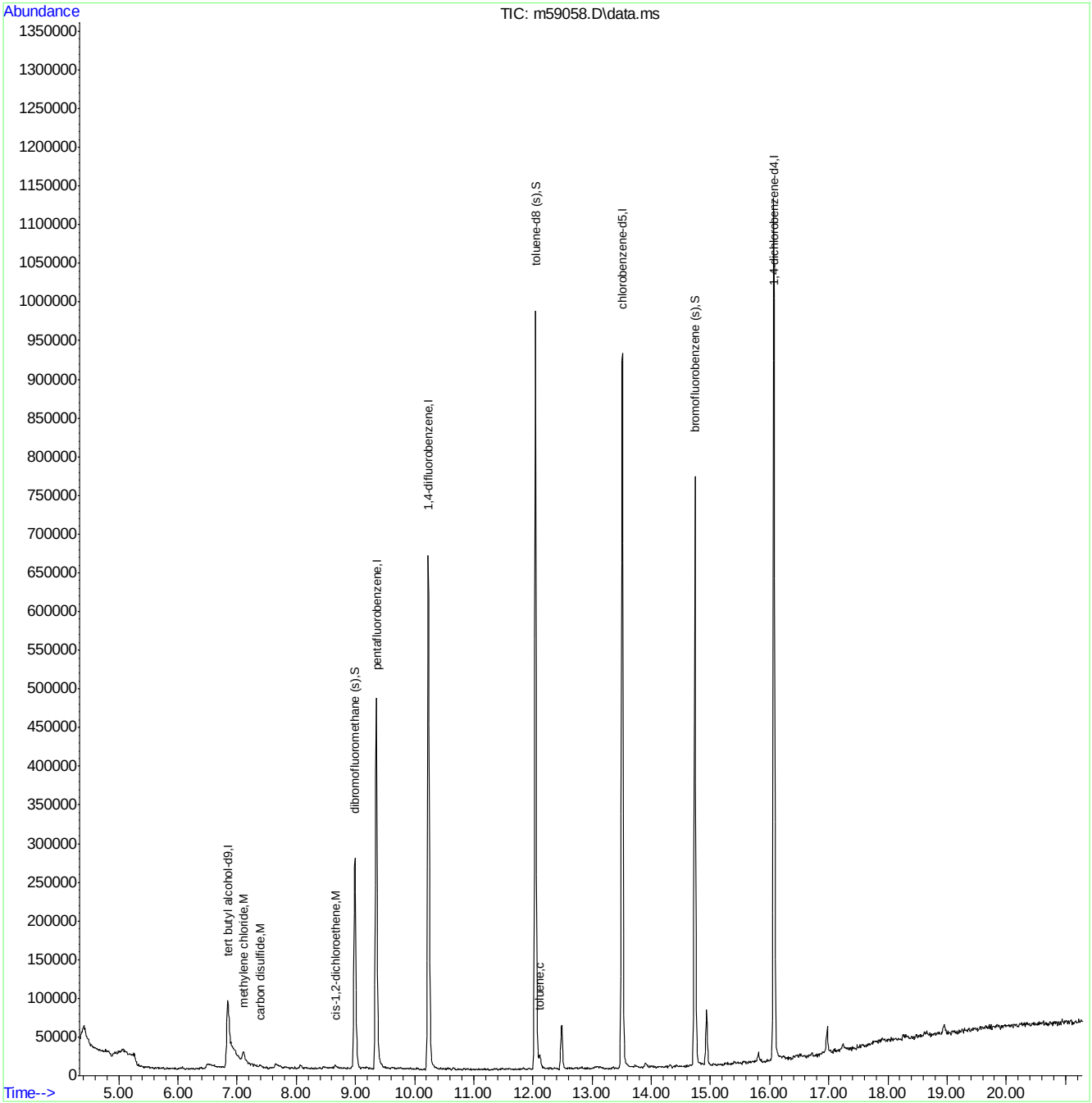
7.1.7

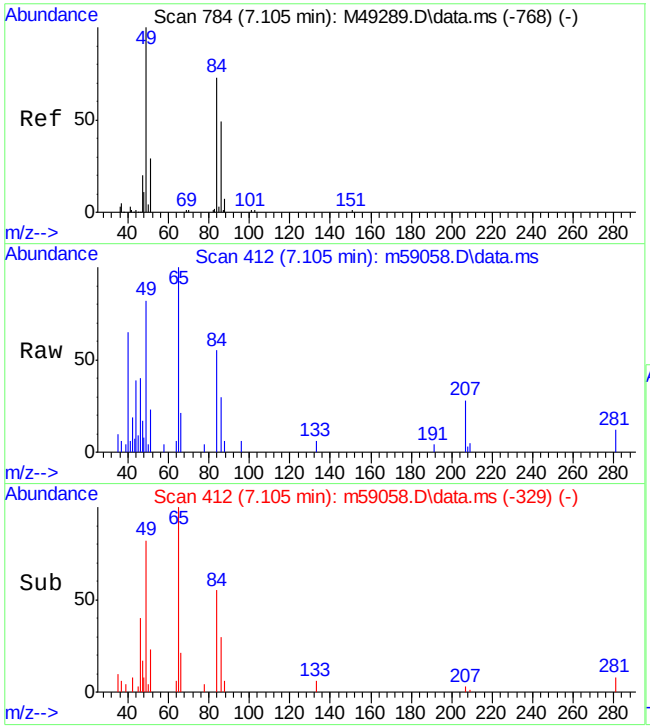
7

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59058.D
Acq On : 9 Sep 2013 2:47 pm
Operator : krystend
Sample : mc24023-5
Misc : MS29844,MSM2039,4.784,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 09 15:48:32 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

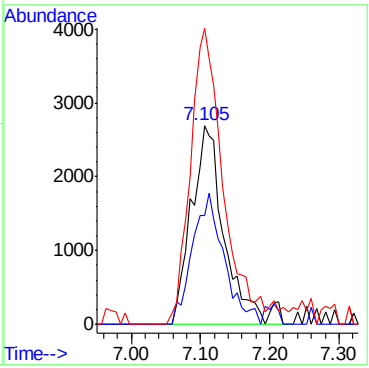


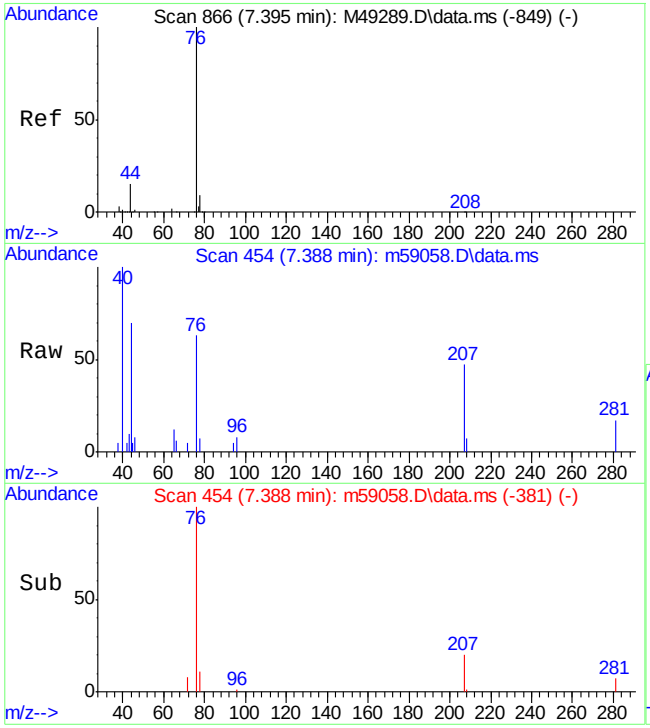


#18
methylene chloride
Concen: 1.65 ug/kg
RT: 7.105 min Scan# 412
Delta R.T. 0.000 min
Lab File: m59058.D
Acq: 9 Sep 2013 2:47 pm

Tgt Ion: 84 Resp: 9004

Ion	Ratio	Lower	Upper
84	100		
86	54.8	37.2	97.2
49	149.0	125.7	185.7

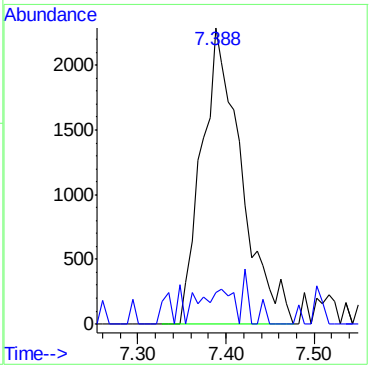


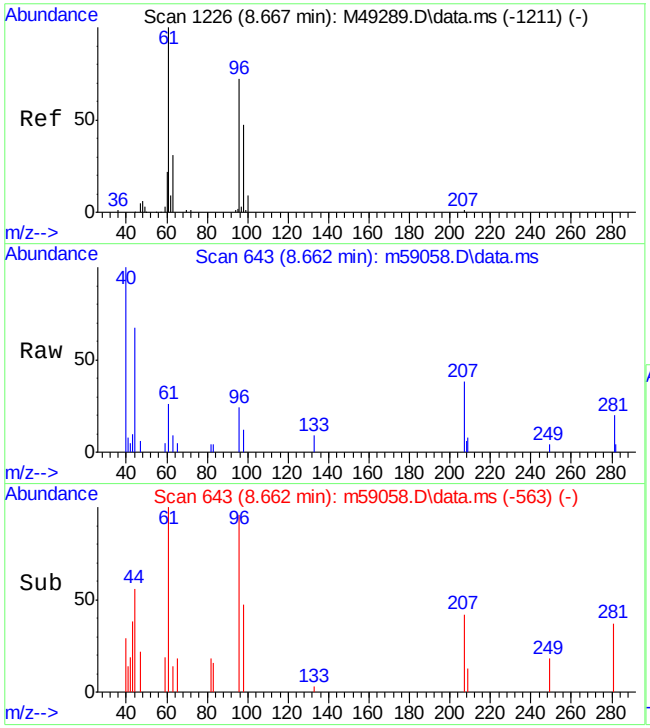


#24
carbon disulfide
Concen: 0.46 ug/kg
RT: 7.388 min Scan# 454
Delta R.T. -0.007 min
Lab File: m59058.D
Acq: 9 Sep 2013 2:47 pm

Tgt Ion: 76 Resp: 7161

Ion	Ratio	Lower	Upper
76	100		
78	10.8	0.0	39.1

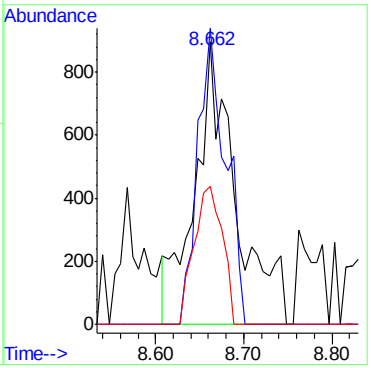


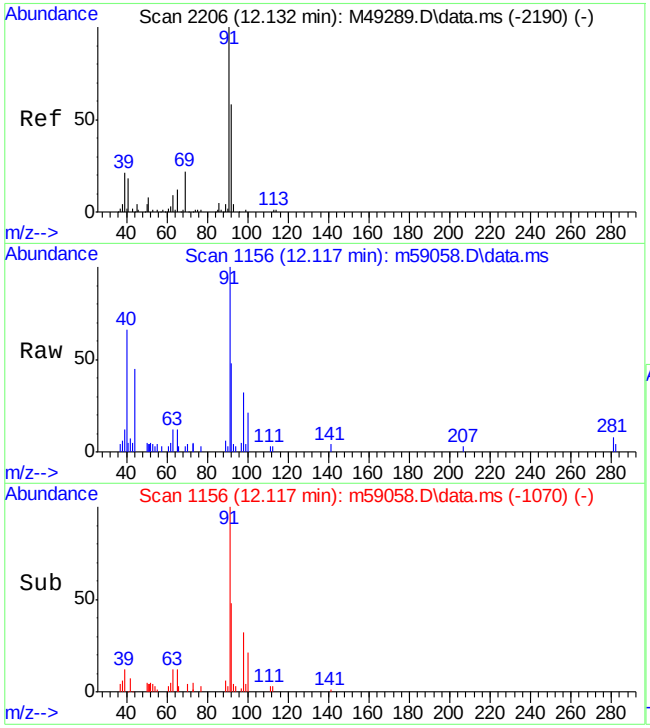


#35
cis-1,2-dichloroethene
Concen: 0.48 ug/kg
RT: 8.662 min Scan# 643
Delta R.T. 0.007 min
Lab File: m59058.D
Acq: 9 Sep 2013 2:47 pm

Tgt Ion: 96 Resp: 2888

Ion	Ratio	Lower	Upper
96	100		
61	104.6	102.0	162.0
98	48.9	32.2	92.2

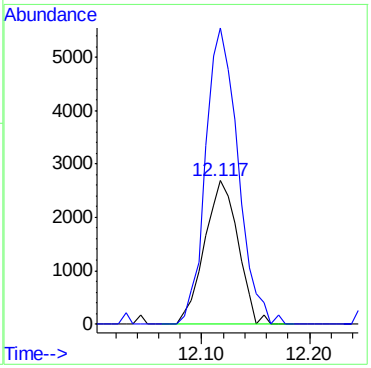




#61
toluene
Concen: 0.46 ug/kg
RT: 12.117 min Scan# 1156
Delta R.T. 0.000 min
Lab File: m59058.D
Acq: 9 Sep 2013 2:47 pm

Tgt Ion: 92 Resp: 5851

Ion	Ratio	Lower	Upper
92	100		
91	206.4	145.9	205.9#



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59058.D
Acq On : 9 Sep 2013 2:47 pm
Operator : krystend
Sample : mc24023-5
Misc : MS29844,MSM2039,4.784,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

Signal : TIC: m59058.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.947	217	240	253	rBV7	2074	14357	0.63%	0.119%
2	6.075	255	259	277	rVB9	3347	10002	0.44%	0.083%
3	6.311	289	294	297	rBV4	1494	2884	0.13%	0.024%
4	6.371	301	303	309	rVV3	2242	4068	0.18%	0.034%
5	6.519	315	325	365	rBV7	5650	55123	2.43%	0.455%
6	6.843	365	373	407	rVV	87637	518230	22.85%	4.281%
7	7.099	407	411	477	rVB8	22064	171394	7.56%	1.416%
8	7.570	477	481	485	rBV3	2163	3423	0.15%	0.028%
9	7.651	485	493	545	rVB8	6710	57913	2.55%	0.478%
10	8.062	547	554	563	rVB7	4981	15921	0.70%	0.132%
11	8.150	563	567	607	rBV9	2348	14685	0.65%	0.121%
12	8.480	607	616	639	rVV9	3224	18534	0.82%	0.153%
13	8.655	639	642	671	rVB9	5057	23497	1.04%	0.194%
14	8.992	681	692	733	rVB	272934	668772	29.49%	5.525%
15	9.349	737	745	781	rBV	479635	1071104	47.24%	8.848%
16	9.632	781	787	817	rVB	3021	22688	1.00%	0.187%
17	9.861	817	821	827	rBV5	1703	4534	0.20%	0.037%
18	9.928	827	831	839	rVB6	2370	4803	0.21%	0.040%
19	10.036	839	847	867	rVB7	2888	11262	0.50%	0.093%
20	10.231	867	876	901	rBV	665303	1371199	60.47%	11.327%
21	10.561	921	925	933	rVB4	2848	7521	0.33%	0.062%
22	10.656	933	939	961	rBV6	3637	13486	0.59%	0.111%
23	10.824	961	964	969	rVV4	1628	3456	0.15%	0.029%
24	11.080	993	1002	1005	rVB6	1742	4938	0.22%	0.041%
25	11.174	1005	1016	1021	rBV5	2501	7401	0.33%	0.061%
26	11.376	1039	1046	1051	rBV6	2581	7026	0.31%	0.058%
27	11.491	1055	1063	1073	rVV8	2673	9834	0.43%	0.081%
28	11.599	1073	1079	1091	rVB8	1976	7618	0.34%	0.063%
29	11.767	1091	1104	1105	rVB5	2516	5888	0.26%	0.049%
30	11.834	1105	1114	1115	rBV4	3309	6065	0.27%	0.050%
31	12.043	1133	1145	1187	rBV	981020	1892195	83.45%	15.631%
32	12.367	1187	1193	1203	rBV8	2154	6077	0.27%	0.050%
33	12.488	1203	1211	1225	rVV	56391	127597	5.63%	1.054%
34	12.649	1225	1235	1255	rBV	2464	11373	0.50%	0.094%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59058.D
Acq On : 9 Sep 2013 2:47 pm
Operator : krystend
Sample : mc24023-5
Misc : MS29844,MSM2039,4.784,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

35	13.081	1273	1299	1327	rVB	4004	43887	1.94%	0.363%
36	13.296	1327	1331	1335	rBV7	2058	4201	0.19%	0.035%
37	13.512	1353	1363	1413	rBV	923374	1790286	78.95%	14.789%
38	13.902	1417	1421	1469	rVB	5860	22440	0.99%	0.185%
39	14.657	1477	1533	1537	rBV	4394	55393	2.44%	0.458%
40	14.738	1537	1545	1567	rVV	761466	1410837	62.22%	11.655%
41	14.933	1567	1574	1615	rVB2	72987	171703	7.57%	1.418%
42	15.755	1615	1696	1697	rBV2	6708	117182	5.17%	0.968%
43	15.809	1697	1704	1735	rBV7	13952	47064	2.08%	0.389%
44	16.072	1735	1743	1871	rBV	1114624	2267525	100.00%	18.732%

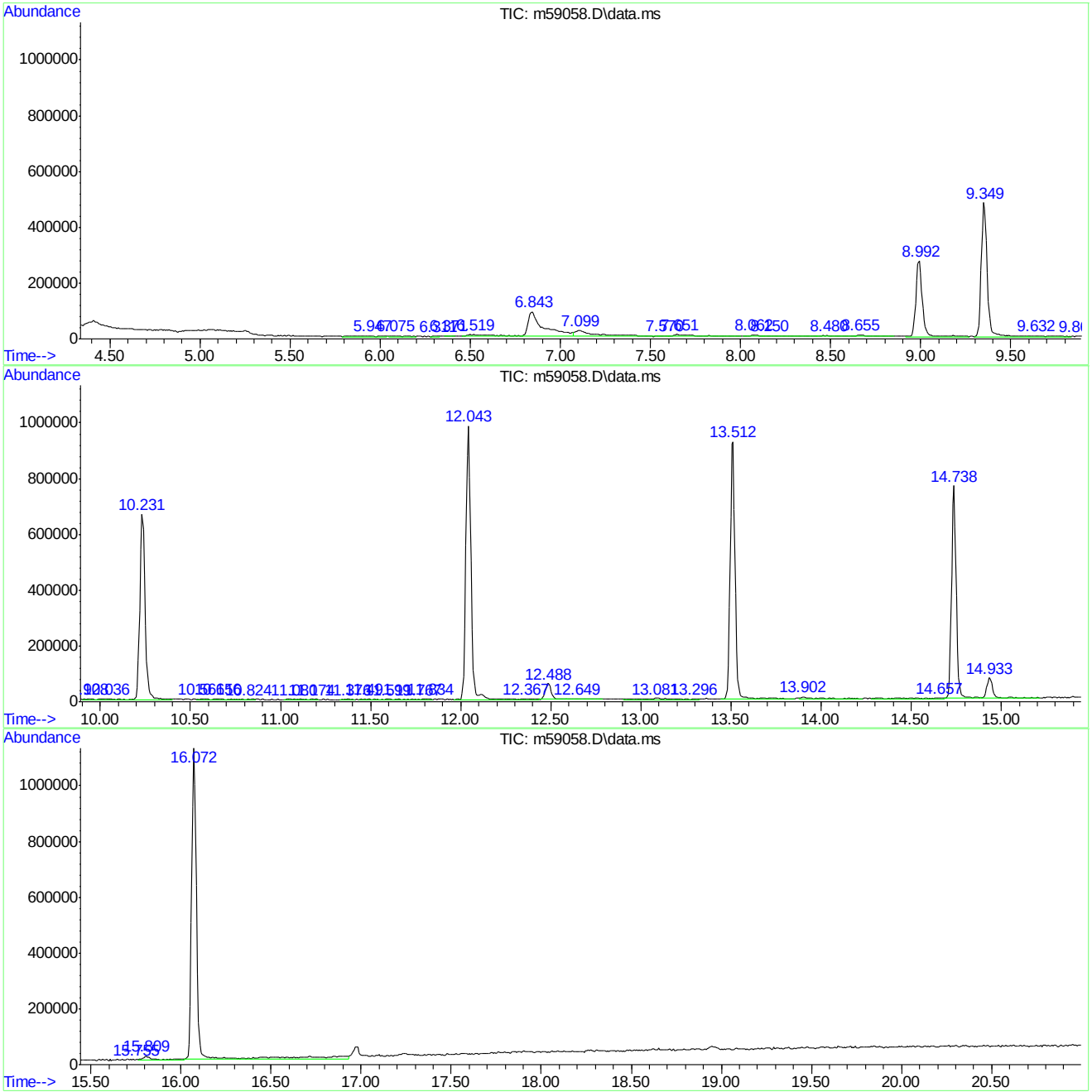
Sum of corrected areas: 12105386

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59058.D
Acq On : 9 Sep 2013 2:47 pm
Operator : krystend
Sample : mc24023-5
Misc : MS29844,MSM2039,4.784,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59058.D
Acq On : 9 Sep 2013 2:47 pm
Operator : krystend
Sample : mc24023-5
Misc : MS29844,MSM2039,4.784,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59058.D
Acq On : 9 Sep 2013 2:47 pm
Operator : krystend
Sample : mc24023-5
Misc : MS29844,MSM2039,4.784,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

7.1.8

7

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59059.D
Acq On : 9 Sep 2013 3:16 pm
Operator : krystend
Sample : mc24023-7
Misc : MS29844,MSM2039,4.574,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 09 15:49:45 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

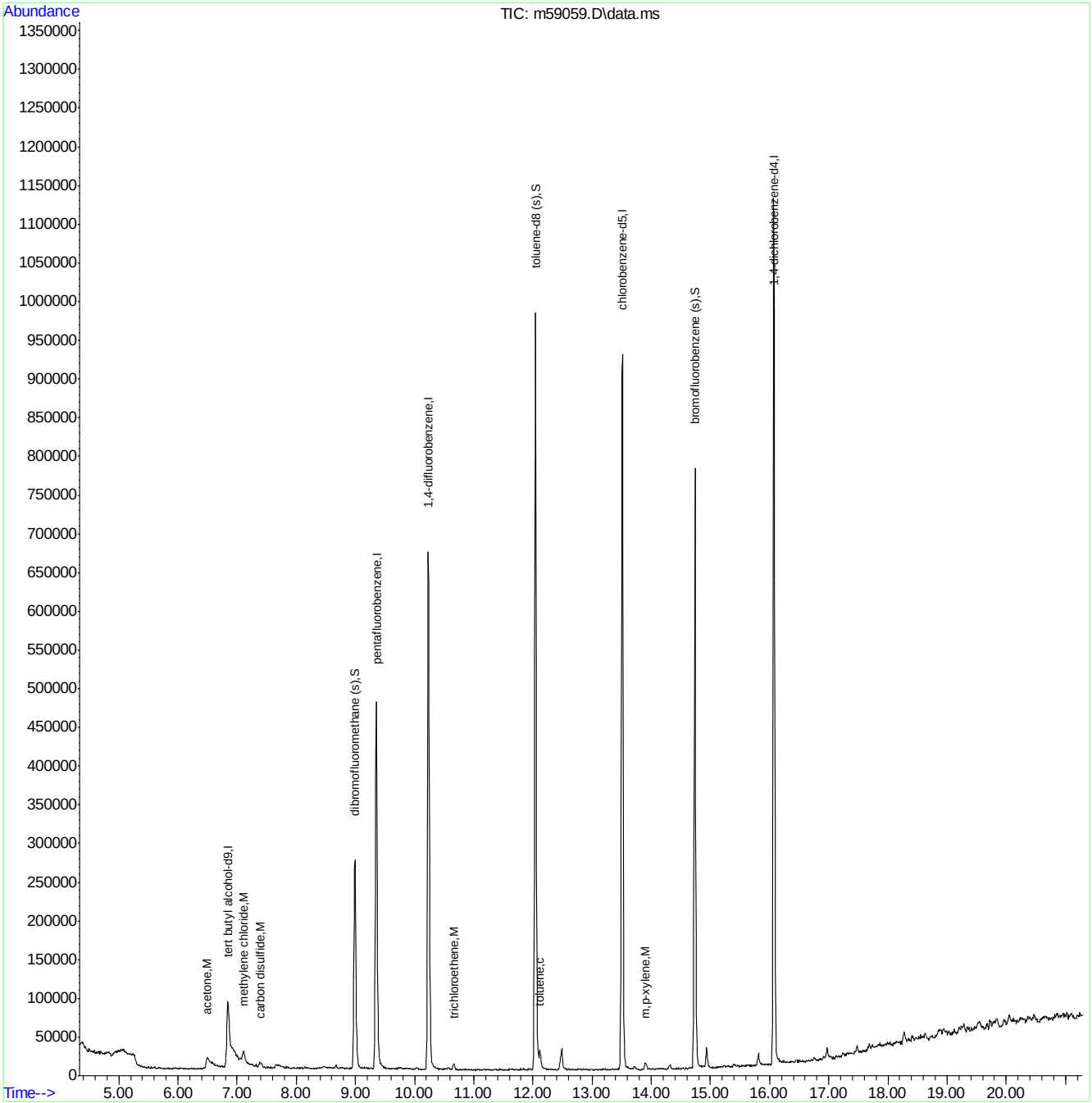
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	281119	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	396702	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	652777	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	285649	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	341264	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	201140	39.61	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 79.22%			
59) toluene-d8 (s)	12.043	98	719678	41.78	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.56%			
81) bromofluorobenzene (s)	14.738	95	280692	42.35	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.70%			
Target Compounds						Qvalue
16) acetone	6.493	58	20967	23.94	ug/kg#	62
18) methylene chloride	7.106	84	10731	1.94	ug/kg	91
24) carbon disulfide	7.395	76	15381	0.99	ug/kg	98
50) trichloroethene	10.662	95	2574	0.46	ug/kg	87
61) toluene	12.117	92	9790	0.76	ug/kg	81
74) m,p-xylene	13.903	106	3797	0.40	ug/kg#	68

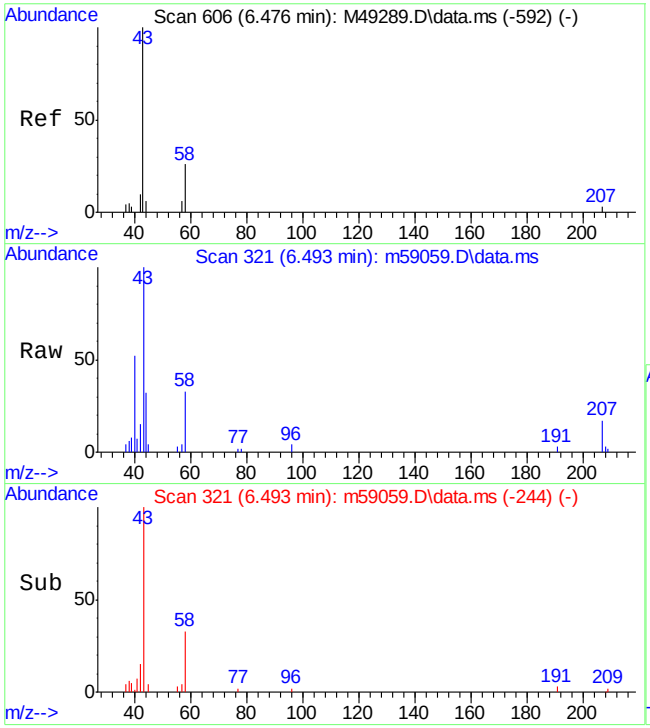
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59059.D
Acq On : 9 Sep 2013 3:16 pm
Operator : krystend
Sample : mc24023-7
Misc : MS29844,MSM2039,4.574,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 09 15:49:45 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

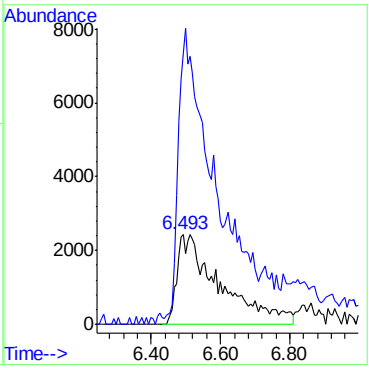


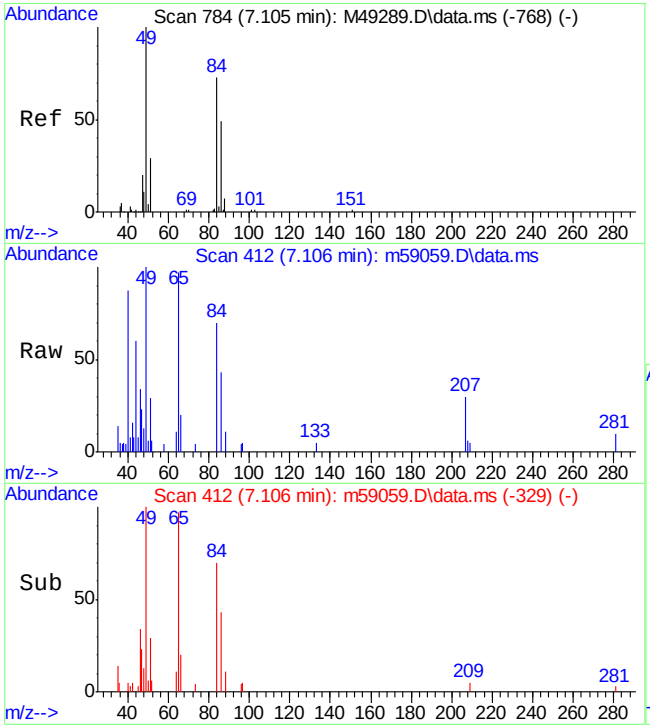


#16
acetone
Concen: 23.94 ug/kg
RT: 6.493 min Scan# 321
Delta R.T. 0.021 min
Lab File: m59059.D
Acq: 9 Sep 2013 3:16 pm

Tgt Ion: 58 Resp: 20967

Ion	Ratio	Lower	Upper
58	100		
43	294.3	350.4	410.4#

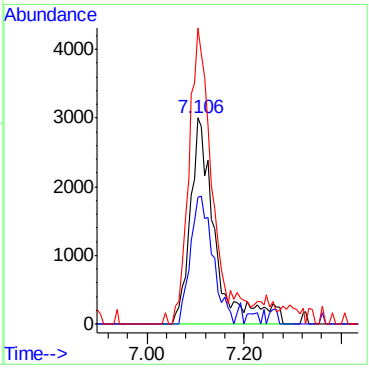


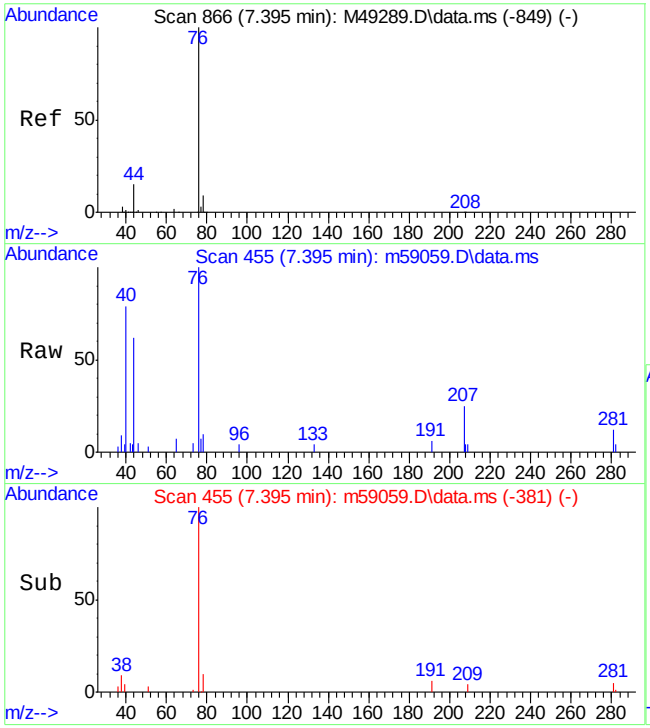


#18
methylene chloride
Concen: 1.94 ug/kg
RT: 7.106 min Scan# 412
Delta R.T. 0.001 min
Lab File: m59059.D
Acq: 9 Sep 2013 3:16 pm

Tgt Ion: 84 Resp: 10731

Ion	Ratio	Lower	Upper
84	100		
86	61.5	37.2	97.2
49	143.5	125.7	185.7

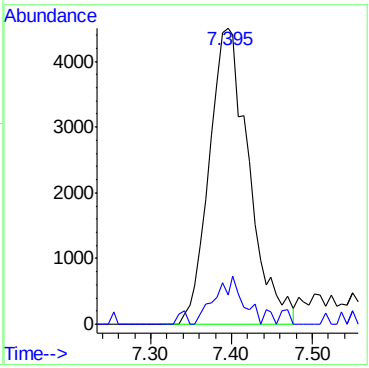


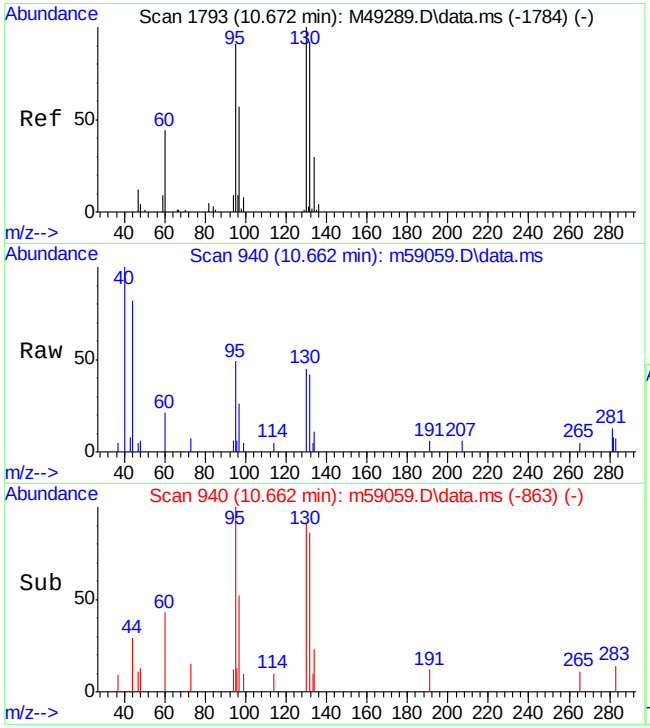


#24
carbon disulfide
Concen: 0.99 ug/kg
RT: 7.395 min Scan# 455
Delta R.T. 0.000 min
Lab File: m59059.D
Acq: 9 Sep 2013 3:16 pm

Tgt Ion: 76 Resp: 15381

Ion	Ratio	Lower	Upper
76	100		
78	9.7	0.0	39.1

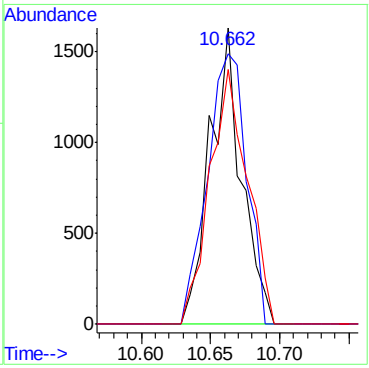


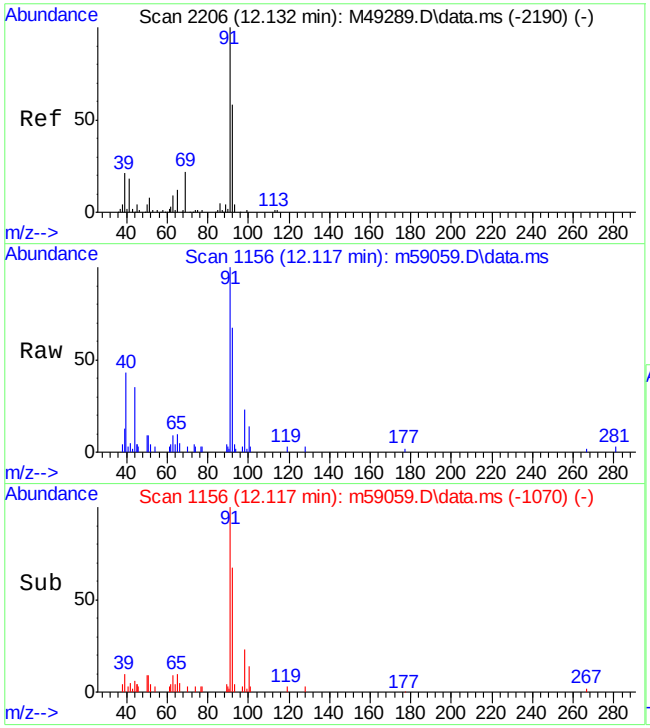


#50
trichloroethene
Concen: 0.46 ug/kg
RT: 10.662 min Scan# 940
Delta R.T. 0.000 min
Lab File: m59059.D
Acq: 9 Sep 2013 3:16 pm

Tgt Ion: 95 Resp: 2574

Ion	Ratio	Lower	Upper
95	100		
130	91.4	73.0	133.0
132	86.0	70.3	130.3

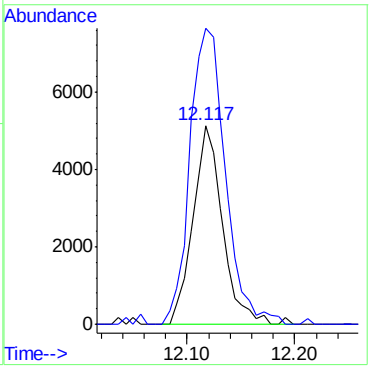


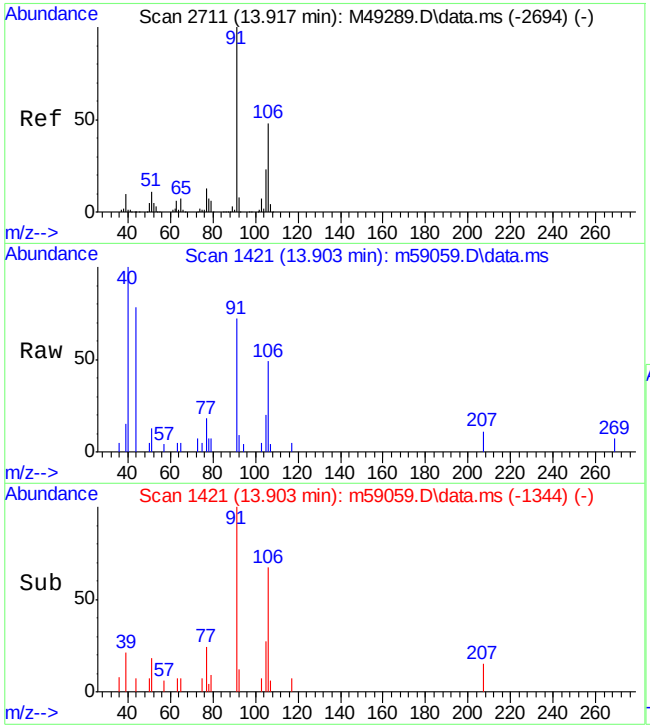


#61
toluene
Concen: 0.76 ug/kg
RT: 12.117 min Scan# 1156
Delta R.T. 0.000 min
Lab File: m59059.D
Acq: 9 Sep 2013 3:16 pm

Tgt Ion: 92 Resp: 9790

Ion	Ratio	Lower	Upper
92	100		
91	149.0	145.9	205.9

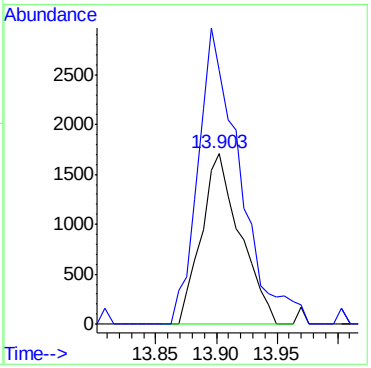




#74
m,p-xylene
Concen: 0.40 ug/kg
RT: 13.903 min Scan# 1421
Delta R.T. 0.001 min
Lab File: m59059.D
Acq: 9 Sep 2013 3:16 pm

Tgt Ion:106 Resp: 3797

Ion	Ratio	Lower	Upper
106	100		
91	148.5	166.0	226.0#



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59059.D
Acq On : 9 Sep 2013 3:16 pm
Operator : krystend
Sample : mc24023-7
Misc : MS29844,MSM2039,4.574,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

Signal : TIC: m59059.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.954	235	241	275	rVB	2861	24439	1.09%	0.207%
2	6.203	275	278	299	rBV9	2212	12625	0.56%	0.107%
3	6.499	309	322	365	rBV2	14619	117872	5.23%	0.998%
4	6.843	365	373	407	rVV2	86438	489714	21.75%	4.146%
5	7.106	407	412	449	rVV4	22995	137099	6.09%	1.161%
6	7.388	449	454	481	rVB4	8131	33647	1.49%	0.285%
7	7.651	489	493	551	rVB4	5870	64638	2.87%	0.547%
8	8.992	679	692	727	rVB	271150	674562	29.96%	5.711%
9	9.261	727	732	737	rBV4	2673	6095	0.27%	0.052%
10	9.349	737	745	795	rBV	474949	1082295	48.06%	9.163%
11	10.231	865	876	903	rVB	669332	1379257	61.25%	11.677%
12	10.561	919	925	935	rBV7	2128	6535	0.29%	0.055%
13	10.662	935	940	951	rVB5	8693	19475	0.86%	0.165%
14	10.858	959	969	995	rVB7	3028	20831	0.93%	0.176%
15	11.067	995	1000	1005	rBV5	2451	5458	0.24%	0.046%
16	11.430	1035	1054	1055	rVB6	2664	9542	0.42%	0.081%
17	11.471	1055	1060	1065	rBV5	1348	3252	0.14%	0.028%
18	11.599	1073	1079	1093	rBV6	2140	8059	0.36%	0.068%
19	11.787	1101	1107	1111	rBV5	2116	2936	0.13%	0.025%
20	11.841	1111	1115	1123	rVB6	2023	3545	0.16%	0.030%
21	11.922	1123	1127	1137	rBV6	2306	5317	0.24%	0.045%
22	12.043	1137	1145	1173	rBV	978601	1899074	84.34%	16.077%
23	12.367	1191	1193	1199	rBV3	1425	2775	0.12%	0.023%
24	12.488	1199	1211	1231	rVB3	28279	82710	3.67%	0.700%
25	12.771	1247	1253	1261	rBV5	1933	5799	0.26%	0.049%
26	12.852	1261	1265	1281	rBV4	2063	6780	0.30%	0.057%
27	13.074	1289	1298	1301	rBV3	1664	4601	0.20%	0.039%
28	13.229	1311	1321	1331	rVB8	1952	8129	0.36%	0.069%
29	13.350	1335	1339	1353	rVV6	2218	6313	0.28%	0.053%
30	13.512	1353	1363	1389	rVV	924398	1771488	78.67%	14.997%
31	13.721	1389	1394	1407	rVB4	4791	13190	0.59%	0.112%
32	13.896	1407	1420	1443	rBV5	9492	33151	1.47%	0.281%
33	14.125	1443	1454	1475	rVV10	1640	10017	0.44%	0.085%
34	14.320	1475	1483	1489	rVB6	5676	13035	0.58%	0.110%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59059.D
Acq On : 9 Sep 2013 3:16 pm
Operator : krystend
Sample : mc24023-7
Misc : MS29844,MSM2039,4.574,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

35	14.536	1511	1515	1527	rBV6	2314	7641	0.34%	0.065%
36	14.738	1535	1545	1569	rBV	773847	1402502	62.28%	11.873%
37	14.933	1569	1574	1615	rVB	27229	64028	2.84%	0.542%
38	15.243	1615	1620	1637	rBV	3378	17442	0.77%	0.148%
39	15.398	1637	1643	1699	rBV	4166	54994	2.44%	0.466%
40	15.809	1699	1704	1733	rBV6	16250	49557	2.20%	0.420%
41	16.072	1733	1743	1871	rBV	1120145	2251755	100.00%	19.063%

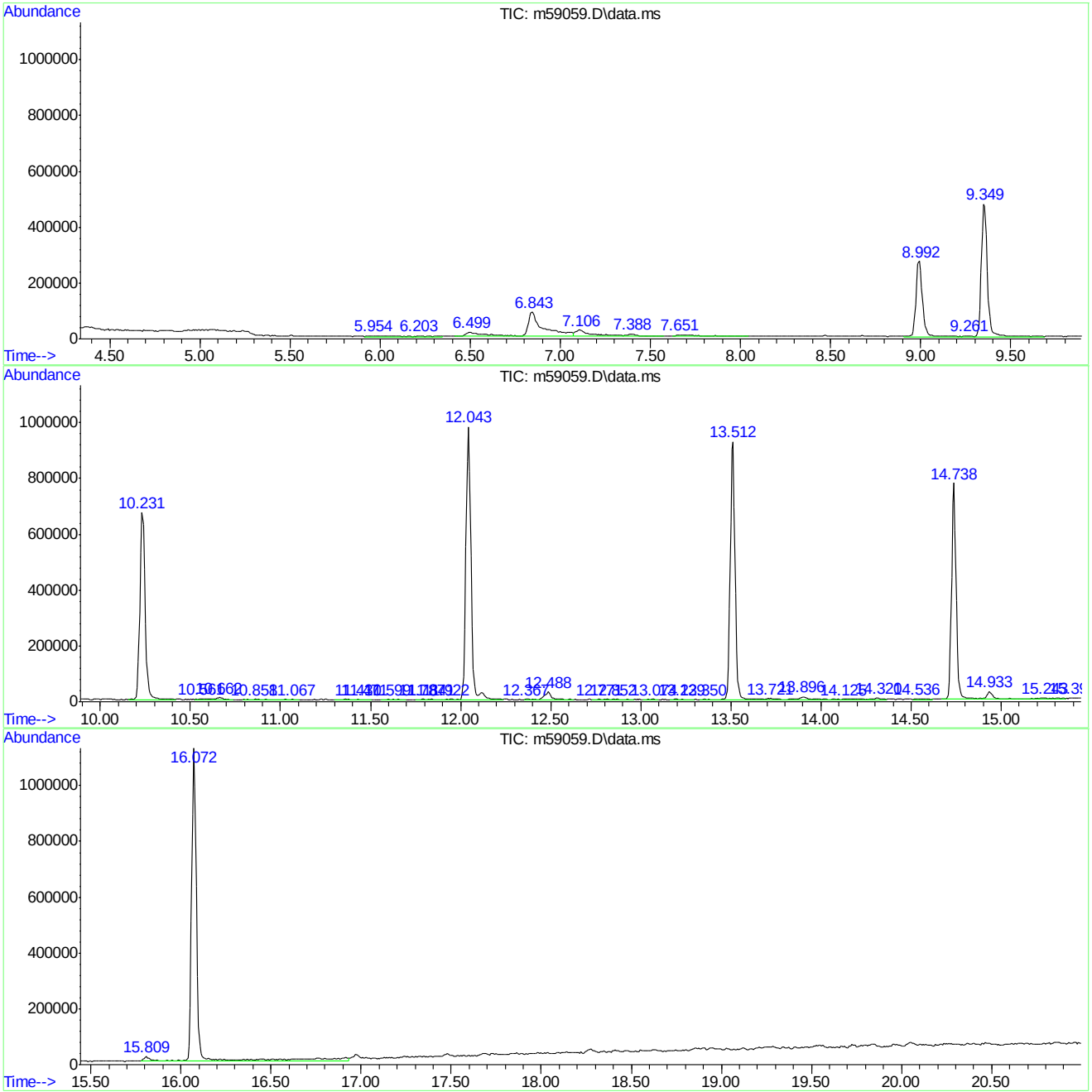
Sum of corrected areas: 11812174

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59059.D
Acq On : 9 Sep 2013 3:16 pm
Operator : krystend
Sample : mc24023-7
Misc : MS29844,MSM2039,4.574,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59059.D
Acq On : 9 Sep 2013 3:16 pm
Operator : krystend
Sample : mc24023-7
Misc : MS29844,MSM2039,4.574,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59059.D
Acq On : 9 Sep 2013 3:16 pm
Operator : krystend
Sample : mc24023-7
Misc : MS29844,MSM2039,4.574,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59050.D
Acq On : 9 Sep 2013 10:50 am
Operator : krystend
Sample : mb
Misc : MS29844,MSM2039,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 09 11:43:14 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

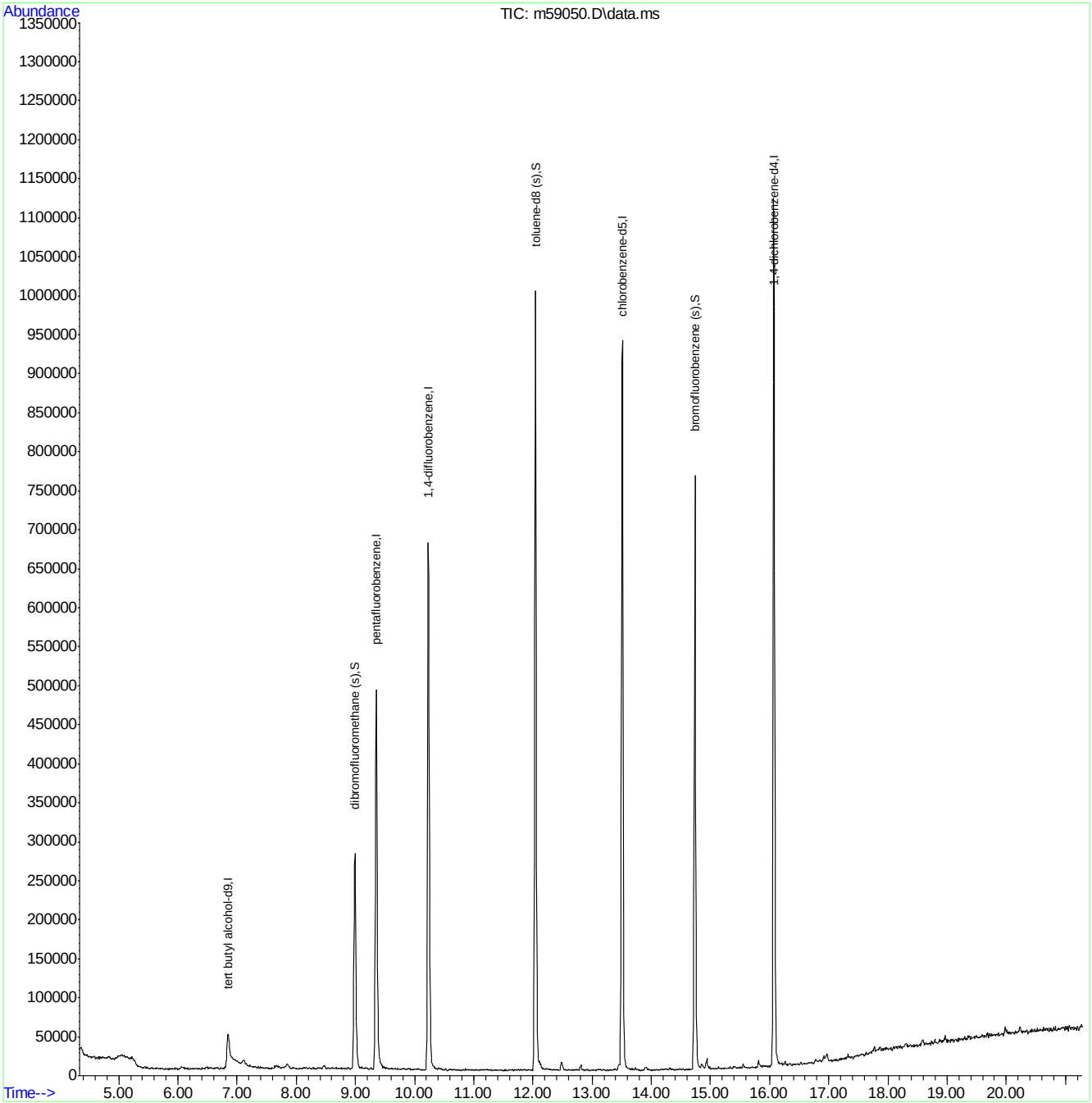
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	158206	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	406482	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	669600	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	288136	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	342292	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	200340	38.50	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 77.00%			
59) toluene-d8 (s)	12.043	98	740561	41.92	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.84%			
81) bromofluorobenzene (s)	14.738	95	278143	41.84	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.68%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59050.D
Acq On : 9 Sep 2013 10:50 am
Operator : krystend
Sample : mb
Misc : MS29844,MSM2039,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 09 11:43:14 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59050.D
Acq On : 9 Sep 2013 10:50 am
Operator : krystend
Sample : mb
Misc : MS29844,MSM2039,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

Signal : TIC: m59050.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.055	249	256	315	rBV9	2679	17212	0.81%	0.154%
2	6.843	365	373	453	rBV	44420	332421	15.58%	2.983%
3	7.651	487	493	507	rBV7	4206	18417	0.86%	0.165%
4	7.847	515	522	549	rVB9	6830	32721	1.53%	0.294%
5	8.163	549	569	593	rBV10	2633	20749	0.97%	0.186%
6	8.480	609	616	671	rBV10	4992	36953	1.73%	0.332%
7	8.992	681	692	715	rBV2	276351	648388	30.39%	5.818%
8	9.268	727	733	737	rVB7	1682	2258	0.11%	0.020%
9	9.349	737	745	821	rVB	487115	1103246	51.70%	9.900%
10	10.231	865	876	913	rVB	676639	1407055	65.94%	12.627%
11	10.521	913	919	927	rBV7	2195	2856	0.13%	0.026%
12	10.858	965	969	981	rBV7	2571	6574	0.31%	0.059%
13	11.026	981	994	997	rVB5	1702	5543	0.26%	0.050%
14	11.073	997	1001	1005	rBV4	1189	2722	0.13%	0.024%
15	11.592	1069	1078	1079	rBV2	2058	4946	0.23%	0.044%
16	11.848	1113	1116	1125	rBV5	1274	4107	0.19%	0.037%
17	12.043	1135	1145	1183	rBV	999719	1915853	89.78%	17.192%
18	12.481	1203	1210	1223	rVB2	10400	23163	1.09%	0.208%
19	12.710	1233	1244	1253	rVB6	1378	5390	0.25%	0.048%
20	12.811	1253	1259	1279	rBV4	6958	16415	0.77%	0.147%
21	13.013	1287	1289	1297	rVB3	1837	2719	0.13%	0.024%
22	13.108	1297	1303	1311	rBV5	2133	6936	0.33%	0.062%
23	13.202	1311	1317	1321	rVB4	1244	2212	0.10%	0.020%
24	13.256	1321	1325	1339	rBV5	1932	4501	0.21%	0.040%
25	13.391	1339	1345	1349	rVB4	2263	4314	0.20%	0.039%
26	13.512	1349	1363	1385	rBV	935478	1801022	84.40%	16.162%
27	13.727	1393	1395	1407	rVB5	4236	9227	0.43%	0.083%
28	13.909	1413	1422	1437	rVB7	4414	16329	0.77%	0.147%
29	14.098	1437	1450	1455	rBV5	2029	8190	0.38%	0.073%
30	14.165	1455	1460	1465	rVB4	1691	4083	0.19%	0.037%
31	14.253	1467	1473	1481	rVV3	1641	5880	0.28%	0.053%
32	14.334	1481	1485	1495	rVB8	1554	4418	0.21%	0.040%
33	14.542	1511	1516	1529	rBV4	2090	6800	0.32%	0.061%
34	14.738	1531	1545	1559	rVV	761698	1406842	65.93%	12.625%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59050.D
Acq On : 9 Sep 2013 10:50 am
Operator : krystend
Sample : mb
Misc : MS29844,MSM2039,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

35	14.852	1559	1562	1569	rVV6	7197	15883	0.74%	0.143%
36	14.940	1569	1575	1637	rVB2	13879	42500	1.99%	0.381%
37	15.398	1637	1643	1663	rBV9	2513	14115	0.66%	0.127%
38	15.560	1663	1667	1697	rBV10	5413	18075	0.85%	0.162%
39	15.816	1701	1705	1735	rBV10	8945	28713	1.35%	0.258%
40	16.072	1735	1743	1843	rBV	1113979	2133825	100.00%	19.148%

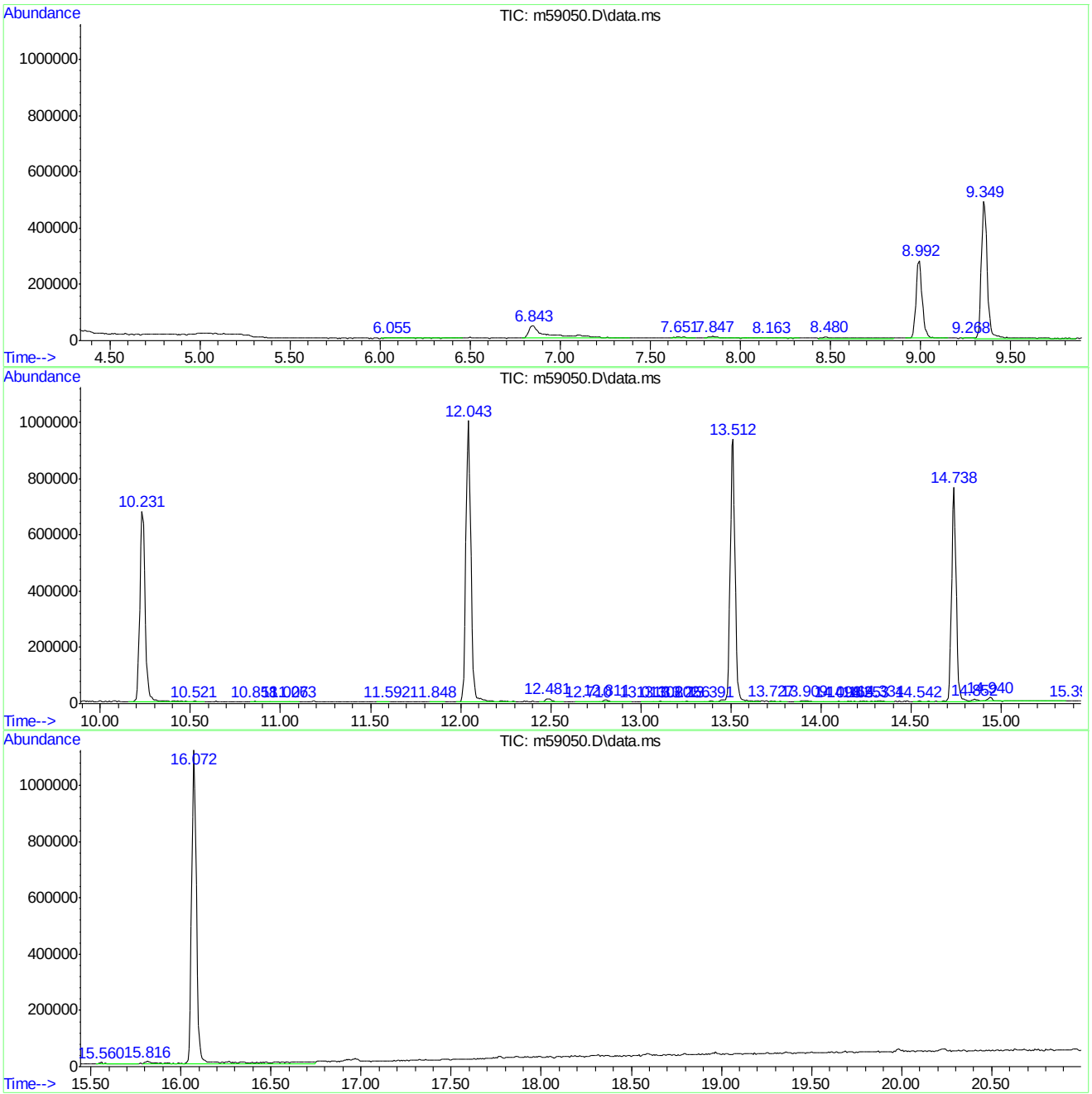
Sum of corrected areas: 11143573

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59050.D
Acq On : 9 Sep 2013 10:50 am
Operator : krystend
Sample : mb
Misc : MS29844,MSM2039,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



ACCUTEST LABORATORIES MC24023

Library Search Compound Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59050.D
Acq On : 9 Sep 2013 10:50 am
Operator : krystend
Sample : mb
Misc : MS29844,MSM2039,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59050.D
Acq On : 9 Sep 2013 10:50 am
Operator : krystend
Sample : mb
Misc : MS29844,MSM2039,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

7.2.2

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73809.D
Acq On : 9 Sep 2013 11:08 am
Operator : GaryK
Sample : mb
Misc : ms29832,msk2397,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 09 13:16:41 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration

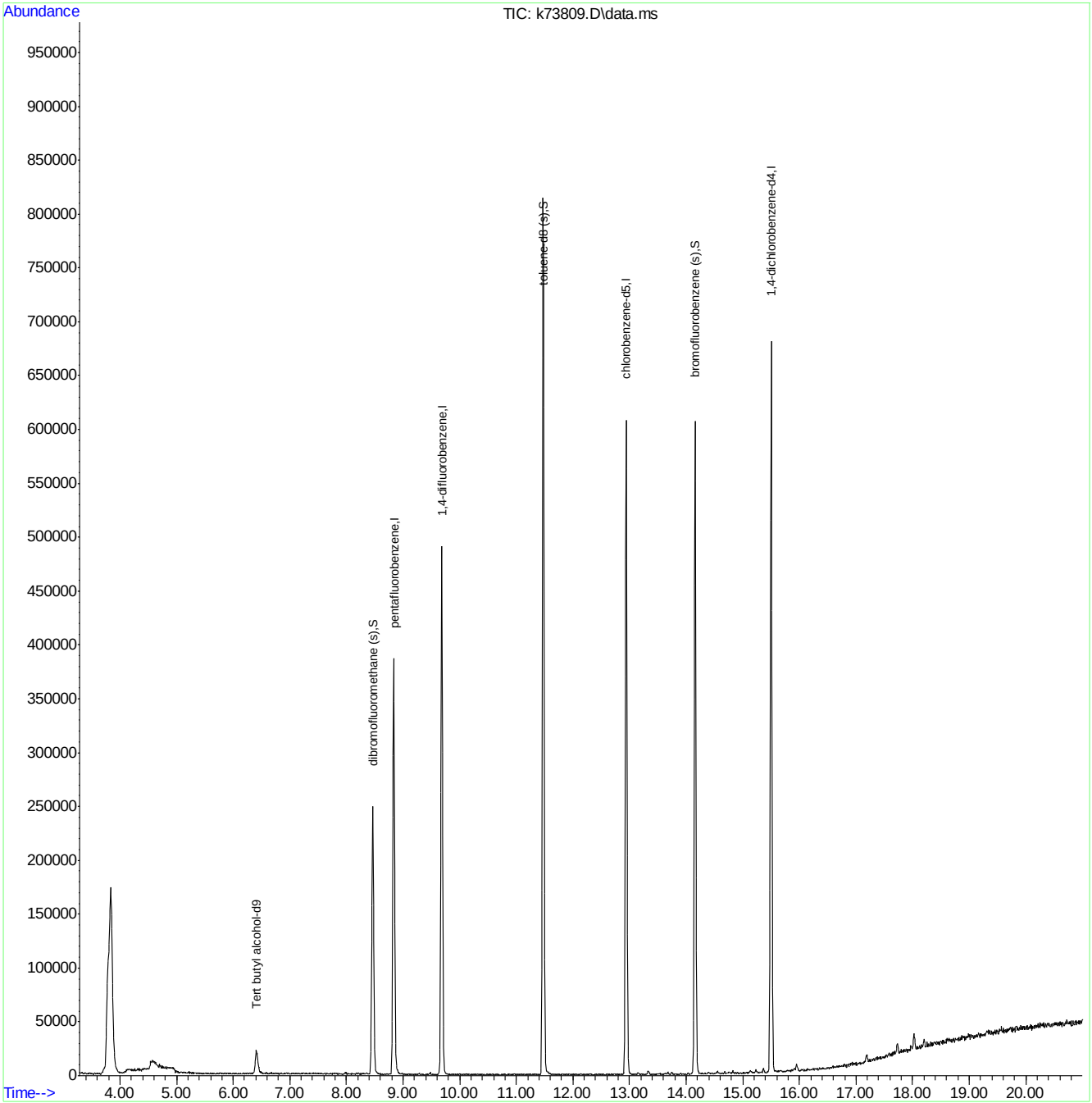
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.418	65	38282	500.00	ug/kg	0.00
4) pentafluorobenzene	8.837	168	342880	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.683	114	494843	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.941	82	199106	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.500	152	235475	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.466	113	184903	52.08	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.16%			
63) toluene-d8 (s)	11.476	98	645887	51.93	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.86%			
87) bromofluorobenzene (s)	14.159	95	228842	46.41	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.82%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73809.D
Acq On : 9 Sep 2013 11:08 am
Operator : GaryK
Sample : mb
Misc : ms29832,msk2397,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 09 13:16:41 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\data\130909\
Data File : k73809.D
Acq On : 9 Sep 2013 11:08 am
Operator : GaryK
Sample : mb
Misc : ms29847tic,msk2397,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\K130903S.m
Title : SW-846 Method 8260

Signal : TIC: k73809.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.410	870	886	899	rBV3	21966	66209	4.17%	0.869%
2	8.464	1452	1468	1489	rBV2	248229	565268	35.61%	7.420%
3	8.835	1560	1573	1589	rBV2	385748	847668	53.40%	11.127%
4	9.682	1799	1813	1830	rBV2	490114	1003318	63.21%	13.171%
5	11.474	2307	2321	2336	rBV	814422	1587271	100.00%	20.836%
6	12.939	2721	2736	2754	rBV	607472	1175641	74.07%	15.433%
7	14.160	3070	3082	3099	rVB	604854	1109416	69.89%	14.563%
8	15.501	3446	3462	3481	rBV	679256	1263059	79.57%	16.580%

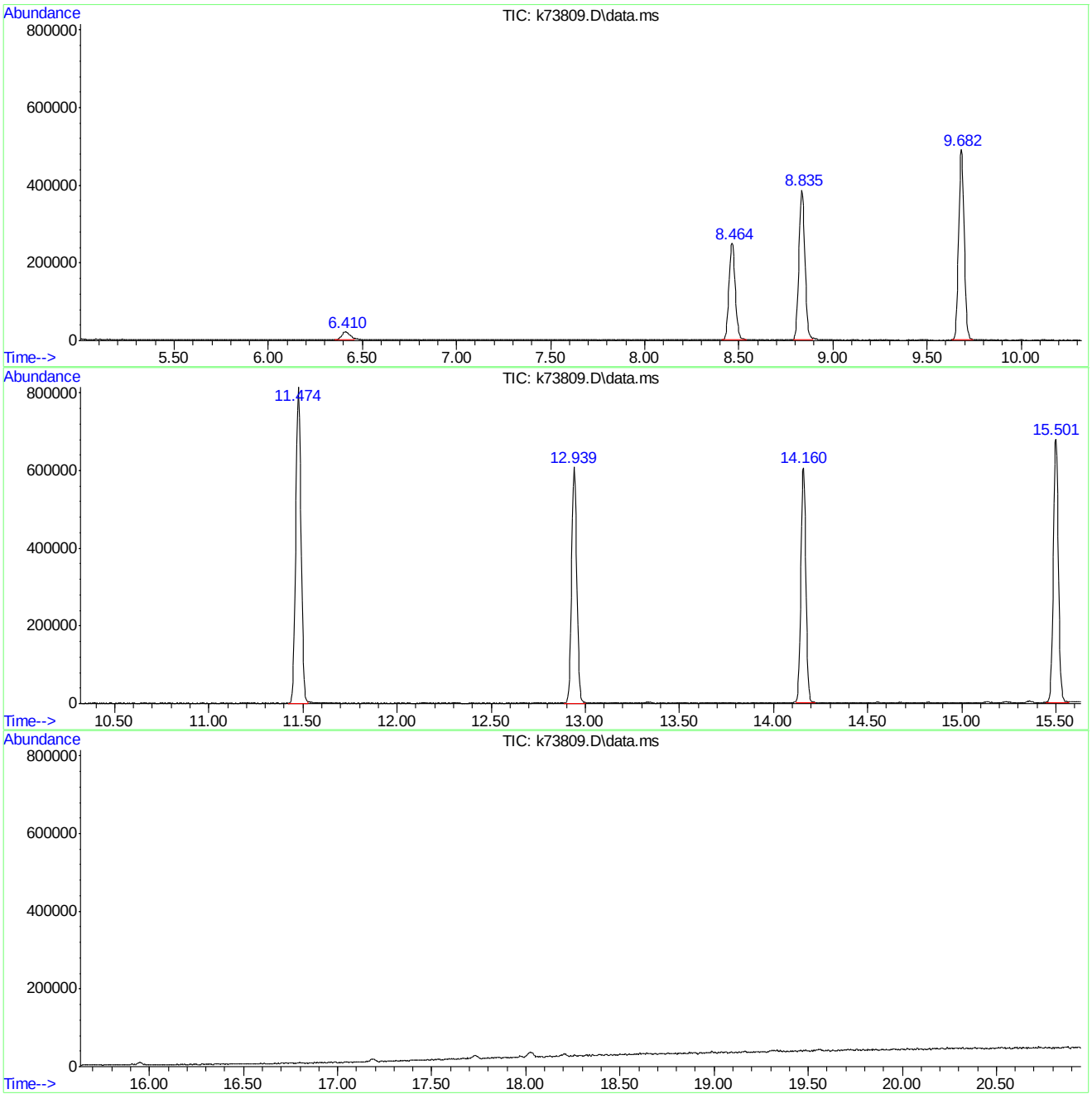
Sum of corrected areas: 7617850

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\130909\
Data File : k73809.D
Acq On : 9 Sep 2013 11:08 am
Operator : GaryK
Sample : mb
Misc : ms29847tic,msk2397,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\130909\
Data File : k73809.D
Acq On : 9 Sep 2013 11:08 am
Operator : GaryK
Sample : mb
Misc : ms29847tic,msk2397,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\130909\
Data File : k73809.D
Acq On : 9 Sep 2013 11:08 am
Operator : GaryK
Sample : mb
Misc : ms29847tic,msk2397,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/10/13 11:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59047.D
Acq On : 9 Sep 2013 9:21 am
Operator : krystend
Sample : bs
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 09:52:11 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.836	65	160226	500.00	ug/kg	-0.01
4) pentafluorobenzene		9.349	168	415801	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	694969	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	323691	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	392033	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	207506	38.98	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 77.96%			
59) toluene-d8 (s)		12.043	98	770247	42.01	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 84.02%			
81) bromofluorobenzene (s)		14.738	95	298835	39.25	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 78.50%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.937	59	228023	530.31	ug/kg	94
3) Ethanol		5.650	45	186607	4405.13	ug/kg	95
5) dichlorodifluoromethane		4.438	85	274109	46.75	ug/kg	100
6) chloromethane		4.694	50	448565	49.28	ug/kg	97
7) vinyl chloride		4.963	62	376412	35.50	ug/kg	98
8) bromomethane	...	5.502	96	250054	51.54	ug/kg	99
9) chloroethane		5.677	64	178555	52.39	ug/kg	98
10) ethyl ether		6.573	59	201952	50.54	ug/kg	95
11) acetonitrile		6.573	41	57006	46.82	ug/kg	98
12) trichlorofluoromethane		6.338	101	466056m	54.58	ug/kg	
13) freon-113		7.153	101	266600	60.16	ug/kg	89
14) acrolein		6.324	56	109842	359.13	ug/kg	98
15) 1,1-dichloroethene		6.944	96	287163	58.98	ug/kg	89
16) acetone		6.499	58	29250	31.86	ug/kg#	51
17) Methyl Acetate		7.126	43	265595	39.58	ug/kg	97
18) methylene chloride		7.099	84	321392	55.45	ug/kg	89
19) methyl tert butyl ether		7.907	73	623018	50.13	ug/kg	98
20) acrylonitrile		7.004	53	96627	47.17	ug/kg	80
21) allyl chloride		7.193	41	485072	50.38	ug/kg	98
22) trans-1,2-dichloroethene		7.813	96	306267	54.51	ug/kg	92
23) iodomethane		7.011	142	568333	61.70	ug/kg	97
24) carbon disulfide		7.388	76	876378	53.58	ug/kg	99
25) propionitrile		8.156	54	32669	47.79	ug/kg	100
26) vinyl acetate		8.170	43	451252	38.67	ug/kg	95
27) chloroprene		8.446	53	461466	54.44	ug/kg	92
28) di-isopropyl ether		8.480	45	994150	48.92	ug/kg	95
29) methacrylonitrile		8.601	41	151624	44.21	ug/kg	98
30) 2-butanone		8.493	72	28853	29.59	ug/kg#	1
31) 1,1-dichloroethane		8.069	63	503480	55.50	ug/kg	97
32) tert-butyl ethyl ether		8.884	59	778717	51.71	ug/kg	98
33) isobutyl alcohol		8.884	43	171864	226.29	ug/kg	97
34) 2,2-dichloropropane		8.951	77	340766	55.87	ug/kg	95
35) cis-1,2-dichloroethene		8.655	96	327206	51.71	ug/kg	94
36) ethyl acetate		8.884	43	185544	48.41	ug/kg	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59047.D
Acq On : 9 Sep 2013 9:21 am
Operator : krystend
Sample : bs
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 09:52:11 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	176381	62.30	ug/kg#	86
38) chloroform	8.864	83	516110	54.82	ug/kg	97
40) Tetrahydrofuran	9.194	42	79620	40.03	ug/kg	99
41) 1,1,1-trichloroethane	9.632	97	447906	58.48	ug/kg	96
43) Cyclohexane	9.915	56	446971	52.13	ug/kg	99
44) carbon tetrachloride	10.002	117	438491	61.74	ug/kg	98
45) 1,1-dichloropropene	9.800	75	380240	53.32	ug/kg	96
46) benzene	10.029	78	1146903	51.37	ug/kg	100
47) 1,2-dichloroethane	9.524	62	359823	51.07	ug/kg	97
48) tert-amyl methyl ether	10.150	73	632153	52.48	ug/kg	96
49) heptane	10.507	43	483949	51.15	ug/kg	98
50) trichloroethene	10.656	95	311831	52.75	ug/kg	92
51) 1,2-dichloropropane	10.622	63	299309	51.68	ug/kg	99
52) dibromomethane	10.602	93	184241	57.98	ug/kg	89
53) bromodichloromethane	10.709	83	404415	55.13	ug/kg	98
54) Methylcyclohexane	11.181	83	518153	57.38	ug/kg	96
55) 2-chloroethyl vinyl ether	11.087	63	70283	30.37	ug/kg	96
56) methyl methacrylate	10.804	69	166015	52.15	ug/kg	88
57) 1,4-dioxane	10.804	88	11345	231.57	ug/kg	89
58) cis-1,3-dichloropropene	11.336	75	457481	52.13	ug/kg	95
60) 4-methyl-2-pentanone	11.424	43	293669	46.59	ug/kg	99
61) toluene	12.117	92	755919	55.04	ug/kg	99
62) trans-1,3-dichloropropene	11.754	75	407831	56.20	ug/kg	90
63) 1,1,2-trichloroethane	11.929	83	210464	54.06	ug/kg	96
64) ethyl methacrylate	12.124	69	336722	50.12	ug/kg	97
66) tetrachloroethene	12.858	166	349300	67.59	ug/kg	95
67) 1,3-dichloropropane	12.165	76	396034	52.60	ug/kg	99
68) dibromochloromethane	12.461	129	362388	63.56	ug/kg	99
69) 1,2-dibromoethane	12.710	107	278452	57.53	ug/kg	98
70) 2-hexanone	12.279	43	202807	34.01	ug/kg	100
71) chlorobenzene	13.546	112	929522	58.36	ug/kg	94
72) 1,1,1,2-tetrachloroethane	13.465	131	361030	65.26	ug/kg	97
73) ethylbenzene	13.714	91	1439223	55.85	ug/kg	95
74) m,p-xylene	13.896	106	1218801	112.62	ug/kg	95
75) o-xylene	14.313	106	607393	56.35	ug/kg	96
76) styrene	14.239	104	932243	57.21	ug/kg	96
77) bromoform	14.071	173	238059	71.38	ug/kg	100
78) trans-1,4-dichloro-2-b...	14.462	53	100241	50.36	ug/kg	91
80) isopropylbenzene	14.677	105	1585239	47.77	ug/kg	95
82) bromobenzene	14.967	156	424107	54.17	ug/kg	90
83) 1,1,2,2-tetrachloroethane	14.320	83	358216	43.77	ug/kg	98
84) 1,2,3-trichloropropane	14.462	75	378912	45.98	ug/kg	98
85) n-propylbenzene	15.122	91	1737350	45.20	ug/kg	94
86) 2-chlorotoluene	15.243	91	1013717	44.90	ug/kg	93
87) 4-chlorotoluene	15.317	91	1057276	47.01	ug/kg	92
88) 1,3,5-trimethylbenzene	15.398	105	1321503	47.06	ug/kg	95
89) tert-butylbenzene	15.708	91	713881	45.73	ug/kg	88
90) 1,2,4-trimethylbenzene	15.809	105	1328002	48.12	ug/kg	97
91) sec-butylbenzene	15.930	105	1800865	47.42	ug/kg	95
92) 1,3-dichlorobenzene	16.031	146	837211	50.89	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59047.D
Acq On : 9 Sep 2013 9:21 am
Operator : krystend
Sample : bs
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 09:52:11 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

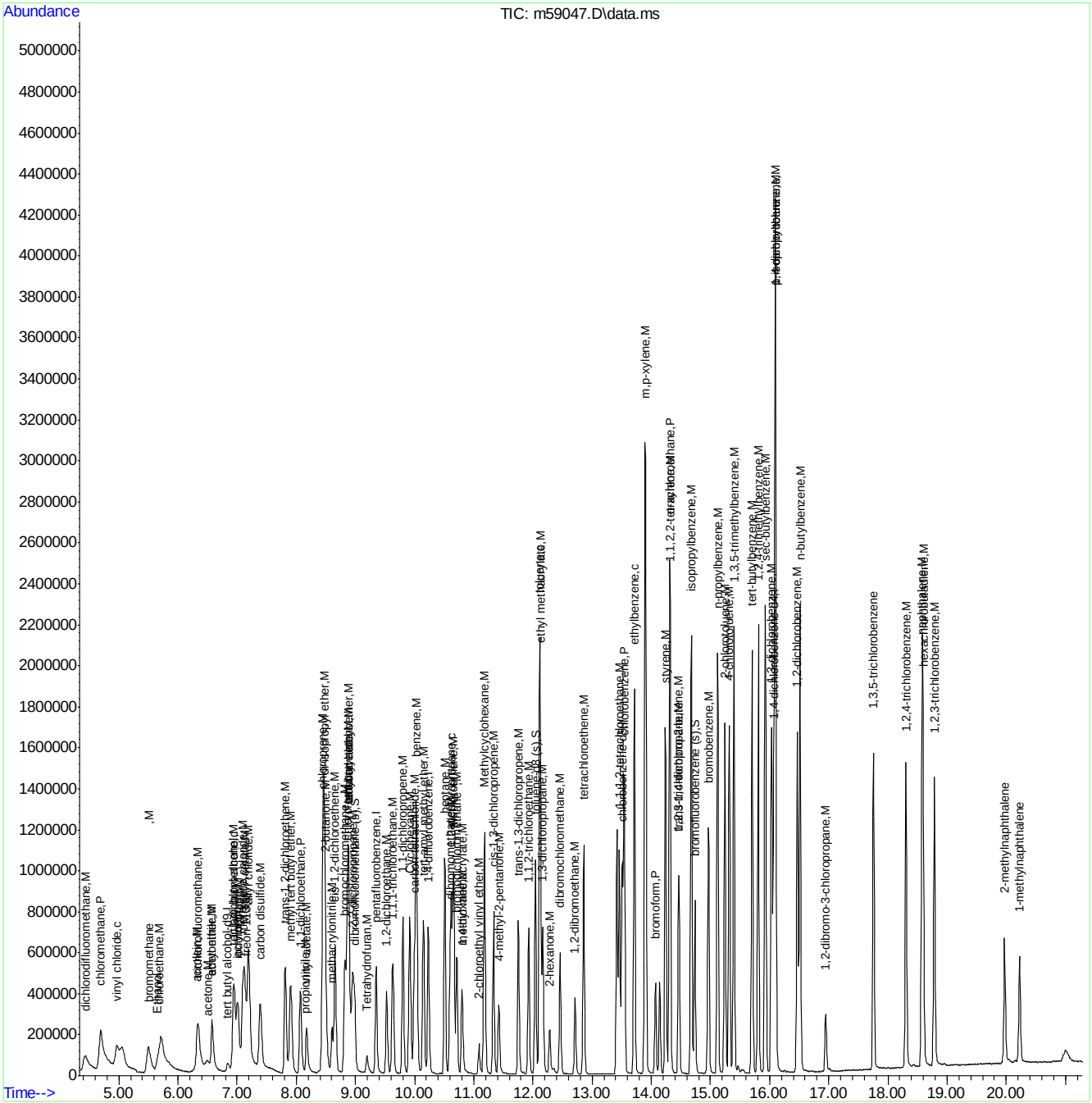
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	1548836	50.96	ug/kg	97
94)	1,4-dichlorobenzene	16.099	146	883202	50.85	ug/kg	96
95)	1,2-dichlorobenzene	16.469	146	823569	51.49	ug/kg	98
96)	n-butylbenzene	16.516	91	1353039	45.63	ug/kg	93
97)	1,2-dibromo-3-chloropr...	16.947	75	66759	46.22	ug/kg	77
98)	1,3,5-trichlorobenzene	17.756	180	556083	53.14	ug/kg	99
99)	1,2,4-trichlorobenzene	18.308	180	565984	58.07	ug/kg	100
100)	hexachlorobutadiene	18.598	225	297602	58.26	ug/kg	99
101)	naphthalene	18.578	128	1445851	55.25	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	543755	57.97	ug/kg	95
103)	2-methylnaphthalene	19.972	142	402807	29.85	ug/kg	99
104)	1-methylnaphthalene	20.228	TIC	1252819	29.23	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59047.D
Acq On : 9 Sep 2013 9:21 am
Operator : krystend
Sample : bs
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

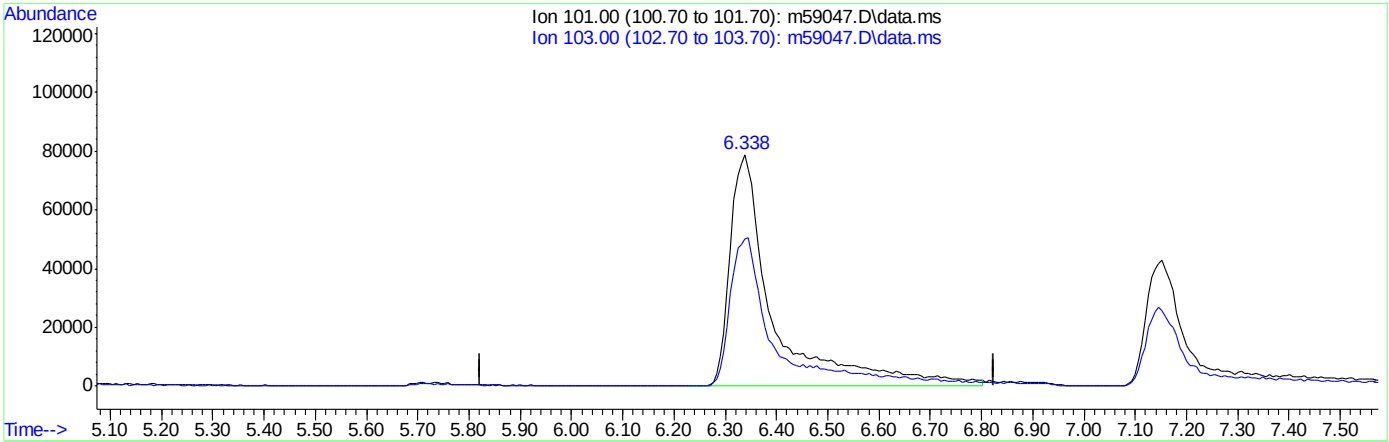
Quant Time: Sep 09 09:52:11 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

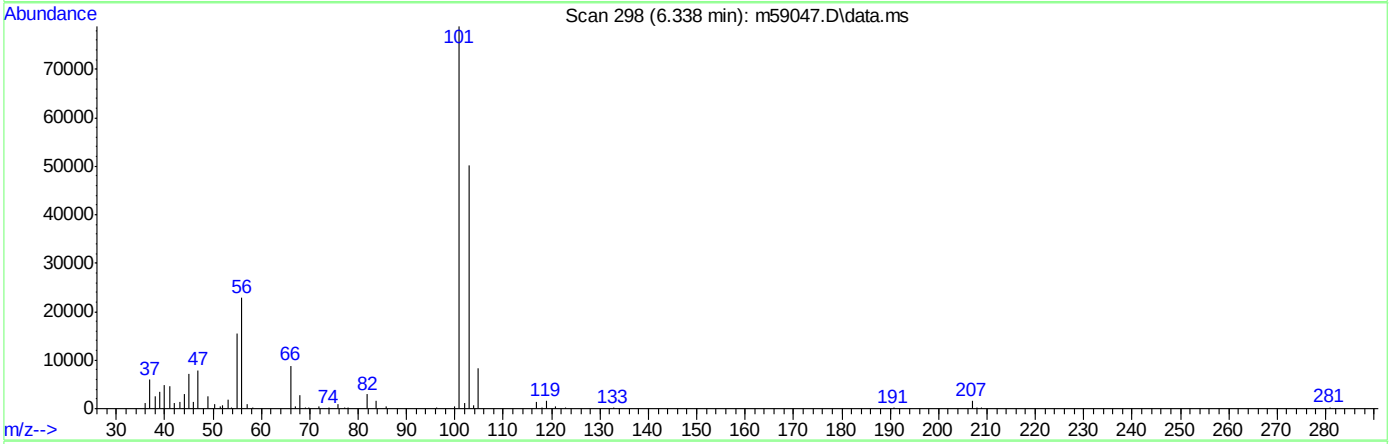


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59047.D
Acq On : 9 Sep 2013 9:21 am
Operator : krystend
Sample : bs
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 09:52:01 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59047.D\data.ms

(12) trichlorofluoromethane (M)

6.338min (-0.006) 54.58ug/kg m

response 466056

Ion	Exp%	Act%
101.00	100	100
103.00	62.50	63.54
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/10/13 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73806.D
Acq On : 9 Sep 2013 9:46 am
Operator : GaryK
Sample : bs
Misc : ms29832,msk2397,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 13:15:48 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.412	65	28344	500.00	ug/kg	0.00
4) pentafluorobenzene	8.835	168	323575	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.682	114	451216	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.939	82	189063	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.499	152	212496	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.464	113	161657	48.25	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.50%			
63) toluene-d8 (s)	11.475	98	607957	53.61	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.22%			
87) bromofluorobenzene (s)	14.158	95	209364	47.05	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.10%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.502	59	46756	566.00	ug/kg	91
3) Ethanol	5.330	45	31104	4169.45	ug/kg#	100
5) dichlorodifluoromethane	4.229	85	173926	42.74	ug/kg	100
6) chloromethane	4.451	50	167005	52.17	ug/kg	99
7) vinyl chloride	4.692	62	122572	42.17	ug/kg	97
8) bromomethane	5.181	96	136195	53.35	ug/kg	96
9) chloroethane	5.338	64	88445	52.39	ug/kg	96
10) dichlorofluoromethane	5.382	67	281518	55.48	ug/kg	100
11) ethyl ether	6.174	59	83685	45.74	ug/kg	98
12) acetonitrile	6.499	41	10814	40.60	ug/kg	72
13) trichlorofluoromethane	5.966	101	263299	50.22	ug/kg	99
14) freon-113	6.733	101	161033	55.41	ug/kg	91
15) acrolein	5.955	56	1347m	15.08	ug/kg	
16) 1,1-dichloroethene	6.542	96	148625	54.74	ug/kg	99
17) acetone	6.045	43	14808	38.02	ug/kg	87
18) Methyl Acetate	6.666	43	62146	31.87	ug/kg	94
19) methylene chloride	6.676	84	154373	51.39	ug/kg	86
20) methyl tert butyl ether	7.437	73	274458	47.31	ug/kg	96
21) acrylonitrile	6.546	53	24469	46.37	ug/kg	91
22) allyl chloride	6.759	41	194144	47.89	ug/kg	86
23) trans-1,2-dichloroethene	7.347	96	171835	52.85	ug/kg	98
24) iodomethane	6.586	142	321611	55.31	ug/kg	98
25) carbon disulfide	6.955	76	413410	50.04	ug/kg	99
26) propionitrile	7.565	54	8109	41.81	ug/kg	100
27) vinyl acetate	7.662	43	136163	34.63	ug/kg	94
28) chloroprene	7.953	53	227941	55.98	ug/kg	87
29) di-isopropyl ether	8.000	45	387473	46.10	ug/kg	85
30) methacrylonitrile	8.080	41	45236	40.77	ug/kg	86
31) 2-butanone	7.980	72	7300	47.09	ug/kg#	1
32) Hexane	7.990	41	207094	49.15	ug/kg#	85
33) 1,1-dichloroethane	7.593	63	260272	54.86	ug/kg	94
34) tert-butyl ethyl ether	8.388	59	355308	49.68	ug/kg	96
35) isobutyl alcohol	8.390	43	44850	223.41	ug/kg	97
36) 2,2-dichloropropane	8.454	77	206598	57.34	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73806.D
Acq On : 9 Sep 2013 9:46 am
Operator : GaryK
Sample : bs
Misc : ms29832,msk2397,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 13:15:48 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.162	96	176207	49.91	ug/kg	95
38) ethyl acetate	8.391	43	44940	44.60	ug/kg	94
39) bromochloromethane	8.313	128	91296	53.71	ug/kg	91
40) chloroform	8.353	83	267165	53.73	ug/kg	99
42) Tetrahydrofuran	8.673	42	15520	36.93	ug/kg	79
43) 1,1,1-trichloroethane	9.118	97	248568	57.03	ug/kg	98
44) n-Butyl Alcohol	9.420	56	216421	1310.28	ug/kg#	68
46) Cyclohexane	9.420	56	216574	55.00	ug/kg	89
47) carbon tetrachloride	9.477	117	220532	59.89	ug/kg	99
48) 1,1-dichloropropene	9.285	75	202730	54.17	ug/kg	96
49) benzene	9.483	78	547997	52.33	ug/kg	99
50) 1,2-dichloroethane	8.988	62	173280	49.65	ug/kg	92
51) tert-amyl methyl ether	9.627	73	301776	48.60	ug/kg	94
52) heptane	9.995	43	186363	51.30	ug/kg	83
53) 2-Nitropropane	9.995	43	186363	51.30	ug/kg	95
54) trichloroethene	10.119	95	170496	53.63	ug/kg	94
55) 1,2-dichloropropane	10.072	63	141076	51.40	ug/kg	99
56) dibromomethane	10.046	93	78298	55.12	ug/kg	91
57) bromodichloromethane	10.157	83	191414	52.84	ug/kg	99
58) Methylcyclohexane	10.660	83	239293	60.06	ug/kg	94
59) 2-chloroethyl vinyl ether	10.530	63	40748	32.87	ug/kg	99
60) methyl methacrylate	10.248	69	48534	46.34	ug/kg	86
61) 1,4-dioxane	10.239	88	1395m	187.13	ug/kg	
62) cis-1,3-dichloropropene	10.783	75	228902	51.08	ug/kg	97
64) 4-methyl-2-pentanone	10.863	43	60695	46.00	ug/kg	90
65) toluene	11.548	92	392079	54.27	ug/kg	95
66) trans-1,3-dichloropropene	11.194	75	198125	54.44	ug/kg	98
67) 1,1,2-trichloroethane	11.365	83	88865	49.85	ug/kg	97
68) ethyl methacrylate	11.568	69	97406	50.65	ug/kg	79
70) tetrachloroethene	12.305	166	227174	67.06	ug/kg	99
71) 1,3-dichloropropane	11.604	76	162081	50.38	ug/kg	98
72) dibromochloromethane	11.885	129	159649	55.18	ug/kg	97
73) 1,2-dibromoethane	12.134	107	119747	52.27	ug/kg	100
74) 2-hexanone	11.718	43	37984	48.04	ug/kg	96
75) chlorobenzene	12.974	112	500203	54.03	ug/kg	96
76) 1-chlorohexane	12.871	91	230775	60.84	ug/kg	87
77) 1,1,1,2-tetrachloroethane	12.900	131	188473	57.52	ug/kg	98
78) ethylbenzene	13.144	91	758057	57.16	ug/kg	97
79) m,p-xylene	13.328	106	629980	113.61	ug/kg	98
80) o-xylene	13.741	106	301669	54.79	ug/kg	99
81) styrene	13.663	104	492056	59.27	ug/kg	97
82) bromoform	13.485	173	85613	58.62	ug/kg	99
83) cis-1,4-dichloro-2-butene	13.571	88	39768	52.96	ug/kg	88
84) trans-1,4-dichloro-2-b...	13.892	53	27317	54.86	ug/kg#	85
86) isopropylbenzene	14.106	105	785972	53.74	ug/kg	100
88) bromobenzene	14.393	156	233835	53.96	ug/kg	92
89) 1,1,2,2-tetrachloroethane	13.750	83	98006	47.11	ug/kg	99
90) 1,2,3-trichloropropane	13.892	75	113217	48.45	ug/kg	98
91) n-propylbenzene	14.553	91	852398	52.64	ug/kg	98
92) 2-chlorotoluene	14.674	91	515070	50.15	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73806.D
Acq On : 9 Sep 2013 9:46 am
Operator : GaryK
Sample : bs
Misc : ms29832,msk2397,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 13:15:48 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration

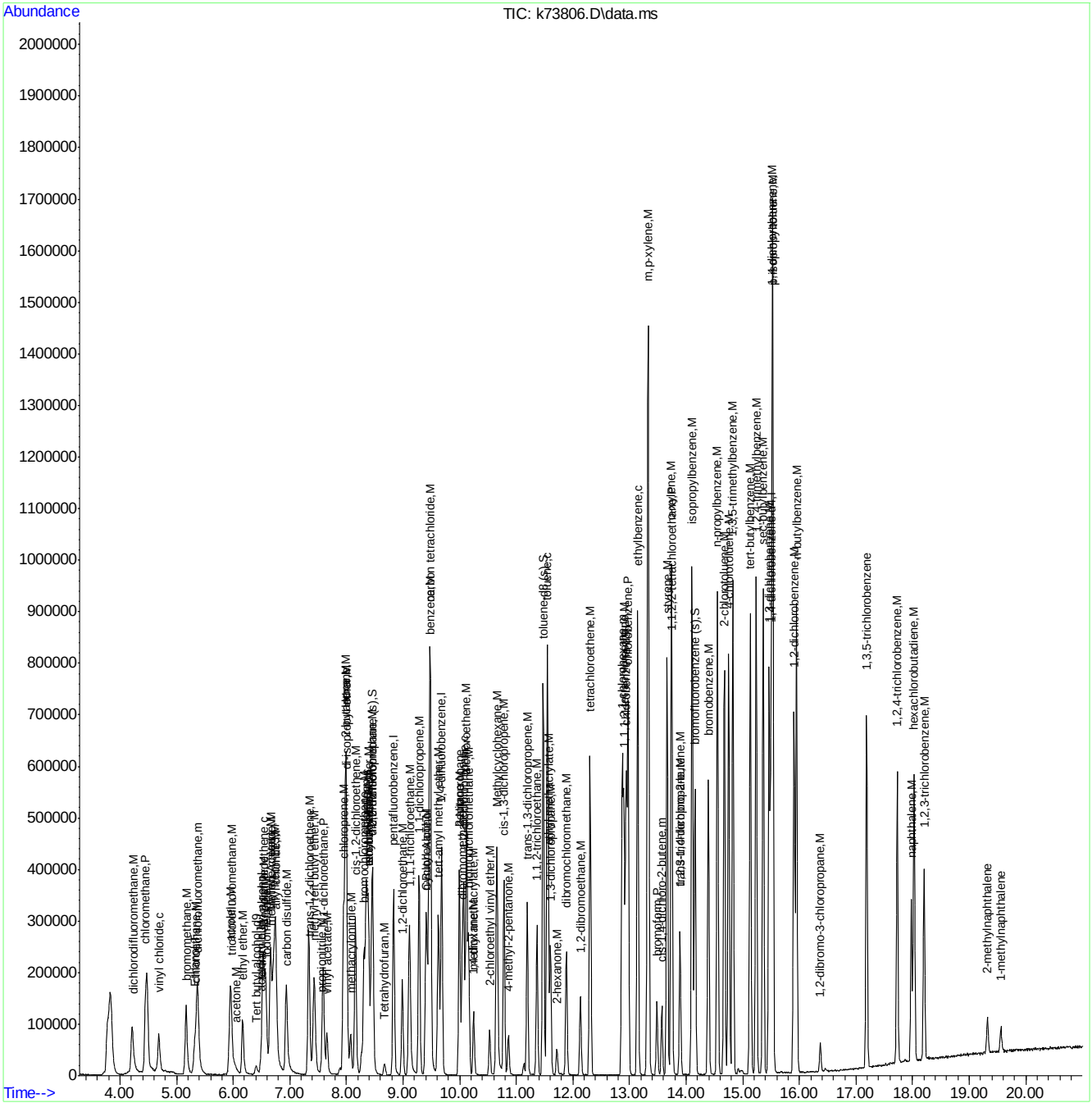
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.750	91	536808	51.65	ug/kg	97
94)	1,3,5-trimethylbenzene	14.825	105	625644	52.69	ug/kg	98
95)	tert-butylbenzene	15.132	91	341100	52.32	ug/kg	93
96)	1,2,4-trimethylbenzene	15.236	105	639541	53.94	ug/kg	100
97)	sec-butylbenzene	15.360	105	797716	53.73	ug/kg	100
98)	1,3-dichlorobenzene	15.465	146	431564	51.46	ug/kg	98
99)	p-isopropyltoluene	15.528	119	673630	57.56	ug/kg	98
100)	1,4-dichlorobenzene	15.527	146	415151	53.47	ug/kg	97
101)	1,2-dichlorobenzene	15.905	146	386018	51.31	ug/kg	97
102)	n-butylbenzene	15.949	91	588739	55.13	ug/kg	97
103)	1,2-dibromo-3-chloropr...	16.369	75	13522	43.64	ug/kg	95
104)	1,3,5-trichlorobenzene	17.187	180	279333	52.52	ug/kg	97
105)	1,2,4-trichlorobenzene	17.728	180	226159	53.51	ug/kg	99
106)	hexachlorobutadiene	18.025	225	134332	56.72	ug/kg	92
107)	naphthalene	17.977	128	312911	47.82	ug/kg	100
108)	1,2,3-trichlorobenzene	18.202	180	154634	49.98	ug/kg	98
109)	2-methylnaphthalene	19.321	142	45719	19.79	ug/kg	100
110)	1-methylnaphthalene	19.559	TIC	108375m	20.65	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73806.D
Acq On : 9 Sep 2013 9:46 am
Operator : GaryK
Sample : bs
Misc : ms29832,msk2397,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 13:15:48 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73820.D
Acq On : 9 Sep 2013 4:18 pm
Operator : GaryK
Sample : mc24071-3ms
Misc : ms29847,msk2397,11.104,,100,10,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 07:21:50 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.418	65	50047	500.00	ug/kg	0.00
4) pentafluorobenzene	8.839	168	362794	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.686	114	509045	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.942	82	213993	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.502	152	238191	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.470	113	162005	43.13	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 86.26%			
63) toluene-d8 (s)	11.478	98	609997	47.68	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.36%			
87) bromofluorobenzene (s)	14.161	95	214512	43.01	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 86.02%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.505	59	69491	476.42	ug/kg	96
3) Ethanol	5.346	45	55753	4232.67	ug/kg#	100
5) dichlorodifluoromethane	4.240	85	181928	39.88	ug/kg	97
6) chloromethane	4.457	50	156875	43.71	ug/kg	98
7) vinyl chloride	4.701	62	144013	44.19	ug/kg	95
8) bromomethane	5.178	96	129358	45.19	ug/kg	97
9) chloroethane	5.339	64	88951	47.00	ug/kg	97
10) dichlorofluoromethane	5.385	67	262836	46.20	ug/kg	100
11) ethyl ether	6.182	59	97301	47.43	ug/kg	93
12) acetonitrile	6.508	41	16126	54.00	ug/kg	87
13) trichlorofluoromethane	5.968	101	260565	44.32	ug/kg	100
14) freon-113	6.734	101	145399	44.62	ug/kg	88
15) acrolein	5.934	56	24841	248.10	ug/kg	93
16) 1,1-dichloroethene	6.542	96	137915	45.30	ug/kg	92
17) acetone	6.056	43	23942	54.82	ug/kg	97
18) Methyl Acetate	6.675	43	103950	47.55	ug/kg#	91
19) methylene chloride	6.681	84	157824	46.86	ug/kg	85
20) methyl tert butyl ether	7.449	73	331279	50.93	ug/kg	94
21) acrylonitrile	6.554	53	29731	50.25	ug/kg	96
22) allyl chloride	6.771	41	203812	44.84	ug/kg	84
23) trans-1,2-dichloroethene	7.350	96	168197	46.14	ug/kg	94
24) iodomethane	6.593	142	319452	49.00	ug/kg	98
25) carbon disulfide	6.961	76	436995	47.17	ug/kg	100
26) propionitrile	7.570	54	11301	51.97	ug/kg	100
27) vinyl acetate	7.665	43	213405	48.40	ug/kg	94
28) chloroprene	7.960	53	209424	45.87	ug/kg	85
29) di-isopropyl ether	8.008	45	435221	46.19	ug/kg	91
30) methacrylonitrile	8.086	41	58150	46.74	ug/kg	87
31) 2-butanone	7.985	72	10258	59.02	ug/kg#	1
32) Hexane	7.995	41	205522	43.50	ug/kg#	82
33) 1,1-dichloroethane	7.602	63	245158	46.09	ug/kg	99
34) tert-butyl ethyl ether	8.396	59	394530	49.20	ug/kg	98
35) isobutyl alcohol	8.400	43	52383	232.73	ug/kg	90
36) 2,2-dichloropropane	8.457	77	186458	46.16	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73820.D
Acq On : 9 Sep 2013 4:18 pm
Operator : GaryK
Sample : mc24071-3ms
Misc : ms29847,msk2397,11.104,,100,10,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 07:21:50 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.170	96	184639	46.65	ug/kg	95
38) ethyl acetate	8.399	43	52358	46.35	ug/kg	98
39) bromochloromethane	8.320	128	91248	47.88	ug/kg	95
40) chloroform	8.360	83	258298	46.34	ug/kg	99
42) Tetrahydrofuran	8.678	42	22492	47.73	ug/kg	78
43) 1,1,1-trichloroethane	9.121	97	223021	45.64	ug/kg	98
44) n-Butyl Alcohol	9.422	56	214904	1160.44	ug/kg	85
46) Cyclohexane	9.422	56	214904	48.37	ug/kg	89
47) carbon tetrachloride	9.481	117	196973	47.42	ug/kg	99
48) 1,1-dichloropropene	9.289	75	208447	49.37	ug/kg	98
49) benzene	9.487	78	588039	49.78	ug/kg	98
50) 1,2-dichloroethane	8.993	62	187147	47.53	ug/kg	94
51) tert-amyl methyl ether	9.634	73	344230	49.14	ug/kg	94
52) heptane	9.999	43	219016	53.44	ug/kg	85
53) 2-Nitropropane	9.999	43	219016	53.44	ug/kg	98
54) trichloroethene	10.123	95	181907	50.72	ug/kg	93
55) 1,2-dichloropropane	10.076	63	152343	49.20	ug/kg	98
56) dibromomethane	10.049	93	79501	49.61	ug/kg	97
57) bromodichloromethane	10.161	83	201611	49.33	ug/kg	99
58) Methylcyclohexane	10.664	83	233497	51.95	ug/kg	93
59) 2-chloroethyl vinyl ether	10.532	63	72906	52.13	ug/kg	97
60) methyl methacrylate	10.252	69	62955	53.28	ug/kg	85
61) 1,4-dioxane	10.243	88	2084	247.80	ug/kg#	14
62) cis-1,3-dichloropropene	10.786	75	260379	51.50	ug/kg	96
64) 4-methyl-2-pentanone	10.867	43	82653	55.53	ug/kg	88
65) toluene	11.551	92	411437	50.48	ug/kg	96
66) trans-1,3-dichloropropene	11.197	75	212866	51.84	ug/kg	97
67) 1,1,2-trichloroethane	11.368	83	102715	51.07	ug/kg	96
68) ethyl methacrylate	11.571	69	121577	56.04	ug/kg	81
70) tetrachloroethene	12.308	166	211643	55.20	ug/kg	98
71) 1,3-dichloropropane	11.607	76	186197	51.13	ug/kg	99
72) dibromochloromethane	11.888	129	175078	53.46	ug/kg	99
73) 1,2-dibromoethane	12.136	107	138631	53.47	ug/kg	99
74) 2-hexanone	11.721	43	52923	59.14	ug/kg	97
75) chlorobenzene	12.977	112	535943	51.15	ug/kg	98
76) 1-chlorohexane	12.874	91	237039	55.21	ug/kg#	79
77) 1,1,1,2-tetrachloroethane	12.903	131	191758	51.70	ug/kg	95
78) ethylbenzene	13.147	91	807568	53.80	ug/kg	98
79) m,p-xylene	13.330	106	674007	107.39	ug/kg	98
80) o-xylene	13.744	106	328864	52.77	ug/kg	97
81) styrene	13.666	104	526648	56.04	ug/kg	97
82) bromoform	13.488	173	92020	55.66	ug/kg	99
83) cis-1,4-dichloro-2-butene	13.574	88	45763	53.87	ug/kg	87
84) trans-1,4-dichloro-2-b...	13.894	53	33651	59.70	ug/kg#	88
86) isopropylbenzene	14.109	105	827918	50.50	ug/kg	100
88) bromobenzene	14.396	156	243346	50.10	ug/kg	92
89) 1,1,2,2-tetrachloroethane	13.753	83	126008	54.03	ug/kg	92
90) 1,2,3-trichloropropane	13.895	75	133842	51.09	ug/kg	97
91) n-propylbenzene	14.556	91	905283	49.88	ug/kg	100
92) 2-chlorotoluene	14.677	91	562547	48.86	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73820.D
Acq On : 9 Sep 2013 4:18 pm
Operator : GaryK
Sample : mc24071-3ms
Misc : ms29847,msk2397,11.104,,100,10,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 07:21:50 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration

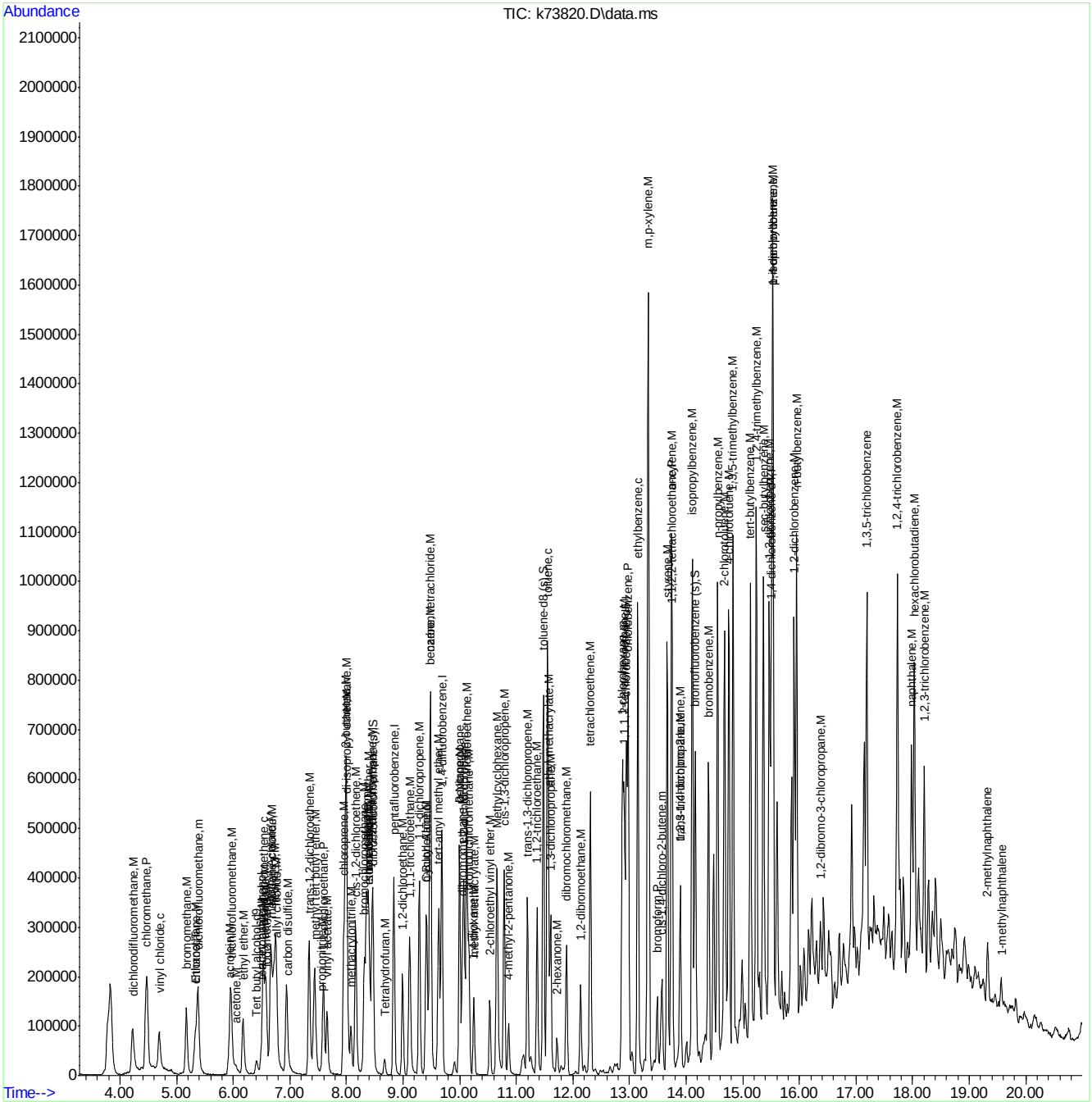
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.753	91	562944	48.32	ug/kg	97
94)	1,3,5-trimethylbenzene	14.827	105	675079	50.72	ug/kg	99
95)	tert-butylbenzene	15.135	91	347194	47.51	ug/kg	98
96)	1,2,4-trimethylbenzene	15.239	105	717425	53.98	ug/kg	99
97)	sec-butylbenzene	15.363	105	818019	49.15	ug/kg	99
98)	1,3-dichlorobenzene	15.468	146	460693	49.01	ug/kg	96
99)	p-isopropyltoluene	15.531	119	644295	49.11	ug/kg	98
100)	1,4-dichlorobenzene	15.531	146	411468	47.28	ug/kg	98
101)	1,2-dichlorobenzene	15.908	146	405077	48.03	ug/kg	98
102)	n-butylbenzene	15.951	91	611052	51.04	ug/kg	94
103)	1,2-dibromo-3-chloropr...	16.372	75	16619	47.85	ug/kg	89
104)	1,3,5-trichlorobenzene	17.190	180	283080	47.48	ug/kg	98
105)	1,2,4-trichlorobenzene	17.732	180	220109	46.46	ug/kg	96
106)	hexachlorobutadiene	18.027	225	134456	50.65	ug/kg	94
107)	naphthalene	17.980	128	356687	48.63	ug/kg	100
108)	1,2,3-trichlorobenzene	18.205	180	152245	43.90	ug/kg	97
109)	2-methylnaphthalene	19.324	142	62290	23.17	ug/kg	98
110)	1-methylnaphthalene	19.583	TIC	236516	37.52	ug/kg#	33

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73820.D
Acq On : 9 Sep 2013 4:18 pm
Operator : GaryK
Sample : mc24071-3ms
Misc : ms29847,msk2397,11.104,,100,10,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 07:21:50 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/10/13 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73821.D
Acq On : 9 Sep 2013 4:46 pm
Operator : GaryK
Sample : mc24071-3msd
Misc : ms29847,msk2397,11.104,,100,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 07:22:13 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.422	65	54145	500.00	ug/kg	0.00
4) pentafluorobenzene	8.841	168	375790	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.687	114	525392	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.942	82	219070	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.502	152	242350	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.471	113	167630	43.08	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 86.16%			
63) toluene-d8 (s)	11.479	98	629011	47.63	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.26%			
87) bromofluorobenzene (s)	14.162	95	223522	44.04	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 88.08%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.509	59	72885	461.87	ug/kg	99
3) Ethanol	5.346	45	60748	4262.83	ug/kg#	100
5) dichlorodifluoromethane	4.245	85	193978	41.05	ug/kg	99
6) chloromethane	4.461	50	164314	44.20	ug/kg	98
7) vinyl chloride	4.704	62	143846	42.62	ug/kg	94
8) bromomethane	5.186	96	138788	46.81	ug/kg	94
9) chloroethane	5.344	64	92515	47.19	ug/kg	100
10) dichlorofluoromethane	5.390	67	276506	46.92	ug/kg	100
11) ethyl ether	6.186	59	101523	47.78	ug/kg	84
12) acetonitrile	6.508	41	14741	47.66	ug/kg	99
13) trichlorofluoromethane	5.971	101	272100	44.68	ug/kg	100
14) freon-113	6.737	101	154958	45.91	ug/kg	90
15) acrolein	5.934	56	25327	244.20	ug/kg	94
16) 1,1-dichloroethene	6.550	96	149728	47.48	ug/kg	92
17) acetone	6.060	43	23347	51.61	ug/kg	94
18) Methyl Acetate	6.675	43	106748	47.14	ug/kg#	92
19) methylene chloride	6.685	84	164849	47.26	ug/kg	86
20) methyl tert butyl ether	7.452	73	341921	50.75	ug/kg	95
21) acrylonitrile	6.555	53	30232	49.33	ug/kg	88
22) allyl chloride	6.773	41	212723	45.18	ug/kg	84
23) trans-1,2-dichloroethene	7.351	96	177855	47.10	ug/kg	94
24) iodomethane	6.597	142	335951	49.74	ug/kg	98
25) carbon disulfide	6.964	76	458813m	47.82	ug/kg	
26) propionitrile	7.571	54	11623	51.60	ug/kg	100
27) vinyl acetate	7.666	43	216348	47.37	ug/kg	94
28) chloroprene	7.963	53	222695	47.09	ug/kg	90
29) di-isopropyl ether	8.009	45	446174	45.71	ug/kg	88
30) methacrylonitrile	8.085	41	57788	44.84	ug/kg	85
31) 2-butanone	7.988	72	10444	58.02	ug/kg#	1
32) Hexane	7.996	41	214796	43.89	ug/kg#	87
33) 1,1-dichloroethane	7.603	63	258847	46.98	ug/kg	96
34) tert-butyl ethyl ether	8.398	59	400648	48.24	ug/kg	97
35) isobutyl alcohol	8.401	43	53625	230.01	ug/kg	92
36) 2,2-dichloropropane	8.459	77	191688	45.81	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73821.D
Acq On : 9 Sep 2013 4:46 pm
Operator : GaryK
Sample : mc24071-3msd
Misc : ms29847,msk2397,11.104,,100,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 07:22:13 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.172	96	195883	47.78	ug/kg	98
38) ethyl acetate	8.403	43	54189	46.31	ug/kg	88
39) bromochloromethane	8.321	128	93920	47.58	ug/kg	91
40) chloroform	8.361	83	270411	46.83	ug/kg	99
42) Tetrahydrofuran	8.678	42	23176	47.48	ug/kg	88
43) 1,1,1-trichloroethane	9.123	97	234608	46.35	ug/kg	96
44) n-Butyl Alcohol	9.424	56	225428	1175.18	ug/kg	85
46) Cyclohexane	9.424	56	225428	49.16	ug/kg	91
47) carbon tetrachloride	9.483	117	205323	47.89	ug/kg	100
48) 1,1-dichloropropene	9.290	75	220008	50.48	ug/kg	97
49) benzene	9.488	78	613805	50.34	ug/kg	99
50) 1,2-dichloroethane	8.994	62	194838	47.94	ug/kg	94
51) tert-amyl methyl ether	9.635	73	351558	48.63	ug/kg	93
52) heptane	10.000	43	226749	53.60	ug/kg	87
53) 2-Nitropropane	10.000	43	226749	53.60	ug/kg	97
54) trichloroethene	10.124	95	189697	51.24	ug/kg	95
55) 1,2-dichloropropane	10.077	63	159021	49.76	ug/kg	98
56) dibromomethane	10.050	93	82792	50.06	ug/kg	95
57) bromodichloromethane	10.162	83	205973	48.83	ug/kg	98
58) Methylcyclohexane	10.664	83	245333	52.89	ug/kg	93
59) 2-chloroethyl vinyl ether	10.533	63	73841	51.15	ug/kg	98
60) methyl methacrylate	10.253	69	65219	53.48	ug/kg	85
61) 1,4-dioxane	10.243	88	2694	310.36	ug/kg	98
62) cis-1,3-dichloropropene	10.787	75	270633	51.86	ug/kg	96
64) 4-methyl-2-pentanone	10.868	43	82759	53.87	ug/kg	91
65) toluene	11.551	92	432628	51.43	ug/kg	98
66) trans-1,3-dichloropropene	11.198	75	218321	51.52	ug/kg	99
67) 1,1,2-trichloroethane	11.369	83	106591	51.35	ug/kg	94
68) ethyl methacrylate	11.572	69	124897	55.78	ug/kg	85
70) tetrachloroethene	12.309	166	223658	56.98	ug/kg	96
71) 1,3-dichloropropane	11.608	76	191663	51.41	ug/kg	98
72) dibromochloromethane	11.889	129	180961	53.98	ug/kg	100
73) 1,2-dibromoethane	12.137	107	142198	53.57	ug/kg	98
74) 2-hexanone	11.722	43	54087	59.04	ug/kg	98
75) chlorobenzene	12.978	112	560931	52.29	ug/kg	98
76) 1-chlorohexane	12.874	91	248905	56.63	ug/kg#	79
77) 1,1,1,2-tetrachloroethane	12.904	131	198294	52.22	ug/kg	98
78) ethylbenzene	13.148	91	836257	54.42	ug/kg	97
79) m,p-xylene	13.331	106	701614	109.20	ug/kg	97
80) o-xylene	13.744	106	343464	53.84	ug/kg	93
81) styrene	13.667	104	544870	56.64	ug/kg	97
82) bromoform	13.489	173	95924	56.68	ug/kg	94
83) cis-1,4-dichloro-2-butene	13.575	88	45559	52.34	ug/kg	87
84) trans-1,4-dichloro-2-b...	13.894	53	35538	61.59	ug/kg#	79
86) isopropylbenzene	14.109	105	861694	51.66	ug/kg	99
88) bromobenzene	14.396	156	255355	51.67	ug/kg	93
89) 1,1,2,2-tetrachloroethane	13.753	83	127322	53.66	ug/kg	95
90) 1,2,3-trichloropropane	13.895	75	136606	51.25	ug/kg	98
91) n-propylbenzene	14.556	91	950428	51.47	ug/kg	100
92) 2-chlorotoluene	14.678	91	586287	50.05	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73821.D
Acq On : 9 Sep 2013 4:46 pm
Operator : GaryK
Sample : mc24071-3msd
Misc : ms29847,msk2397,11.104,,100,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 07:22:13 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration

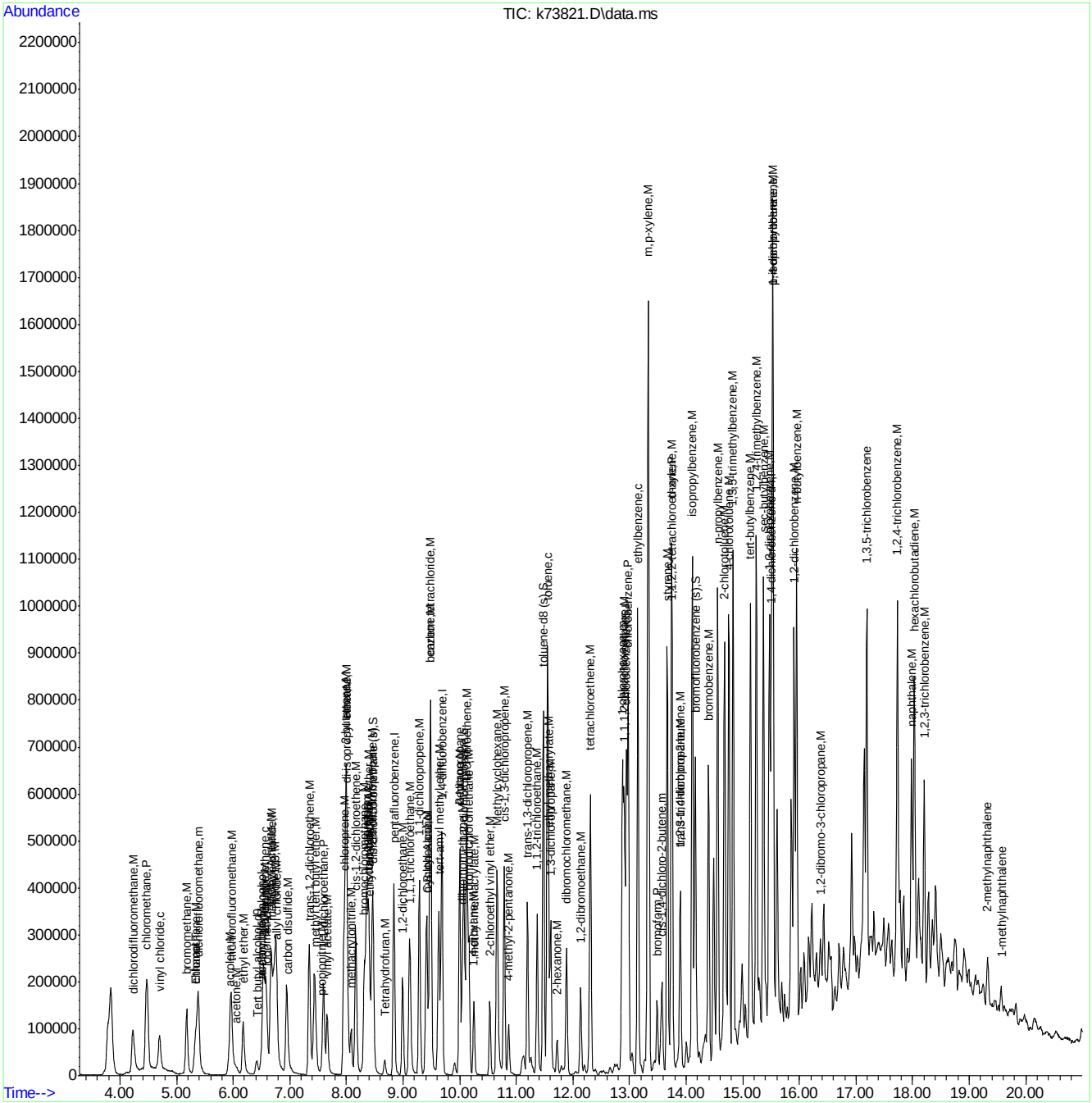
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.754	91	589887	49.76	ug/kg	95
94)	1,3,5-trimethylbenzene	14.828	105	694798	51.31	ug/kg	99
95)	tert-butylbenzene	15.135	91	359663	48.37	ug/kg	100
96)	1,2,4-trimethylbenzene	15.239	105	723042	53.47	ug/kg	99
97)	sec-butylbenzene	15.364	105	863988	51.02	ug/kg	100
98)	1,3-dichlorobenzene	15.468	146	481593	50.35	ug/kg	96
99)	p-isopropyltoluene	15.531	119	679823	50.93	ug/kg	98
100)	1,4-dichlorobenzene	15.531	146	432124	48.80	ug/kg	96
101)	1,2-dichlorobenzene	15.908	146	418383	48.76	ug/kg	99
102)	n-butylbenzene	15.951	91	637881	52.37	ug/kg	96
103)	1,2-dibromo-3-chloropr...	16.371	75	16690	47.23	ug/kg	95
104)	1,3,5-trichlorobenzene	17.190	180	296824	48.93	ug/kg	98
105)	1,2,4-trichlorobenzene	17.731	180	227271	47.15	ug/kg	95
106)	hexachlorobutadiene	18.027	225	141157	52.26	ug/kg	90
107)	naphthalene	17.980	128	359678	48.20	ug/kg	100
108)	1,2,3-trichlorobenzene	18.205	180	159997	45.34	ug/kg	96
109)	2-methylnaphthalene	19.323	142	54520	20.51	ug/kg#	94
110)	1-methylnaphthalene	19.579	TIC	187696	29.89	ug/kg#	35

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73821.D
Acq On : 9 Sep 2013 4:46 pm
Operator : GaryK
Sample : mc24071-3msd
Misc : ms29847,msk2397,11.104,,100,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 07:22:13 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/10/13 11:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59063.D
Acq On : 9 Sep 2013 5:13 pm
Operator : krystend
Sample : mc24064-1ms
Misc : MS29844,MSM2039,5.178,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 10 08:44:35 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.849	65	371133	500.00	ug/kg	0.00
4) pentafluorobenzene		9.355	168	477020	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	778444	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	350739	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	397879	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	235279	38.53	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 77.06%			
59) toluene-d8 (s)		12.043	98	847616	41.27	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 82.54%			
81) bromofluorobenzene (s)		14.738	95	332272	43.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 86.00%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.937	59	569573	571.88	ug/kg	93
3) Ethanol		5.691	45	410533	4187.34	ug/kg	98
5) dichlorodifluoromethane		4.431	85	280622	41.72	ug/kg	99
6) chloromethane		4.707	50	514019	49.22	ug/kg	99
7) vinyl chloride		4.970	62	412700	33.93	ug/kg	93
8) bromomethane	...	5.502	96	254634	45.75	ug/kg	98
9) chloroethane		5.677	64	198947m	50.88	ug/kg	
10) ethyl ether		6.580	59	228116	49.76	ug/kg	89
11) acetonitrile		6.580	41	58732	42.55	ug/kg	94
12) trichlorofluoromethane		6.338	101	393516	40.17	ug/kg	98
13) freon-113		7.153	101	148972	29.30	ug/kg	91
14) acrolein		6.331	56	127778	364.00	ug/kg	99
15) 1,1-dichloroethene		6.951	96	260699	46.67	ug/kg	85
16) acetone		6.472	58	53089	50.41	ug/kg	87
17) Methyl Acetate		7.132	43	309614	40.22	ug/kg	94
18) methylene chloride		7.105	84	310446m	46.69	ug/kg	
19) methyl tert butyl ether		7.907	73	746545	52.36	ug/kg	98
20) acrylonitrile		7.011	53	139243	59.25	ug/kg	94
21) allyl chloride		7.200	41	491046	44.46	ug/kg	99
22) trans-1,2-dichloroethene		7.813	96	294990	45.77	ug/kg	93
23) iodomethane		7.011	142	581576	55.04	ug/kg	95
24) carbon disulfide		7.395	76	884033	47.12	ug/kg	99
25) propionitrile		8.096	54	49383	62.98	ug/kg	100
26) vinyl acetate		8.177	43	469887	35.10	ug/kg	97
27) chloroprene		8.446	53	295382	30.38	ug/kg	93
28) di-isopropyl ether		8.486	45	1001992	42.98	ug/kg	95
29) methacrylonitrile		8.601	41	213663	54.30	ug/kg	99
30) 2-butanone		8.500	72	48181	44.61	ug/kg#	60
31) 1,1-dichloroethane		8.075	63	511693	49.17	ug/kg	97
32) tert-butyl ethyl ether		8.891	59	835280	48.35	ug/kg	98
33) isobutyl alcohol		8.911	43	256284	294.14	ug/kg#	62
34) 2,2-dichloropropane		8.951	77	314649	44.97	ug/kg	99
35) cis-1,2-dichloroethene		8.655	96	332026	45.73	ug/kg	92
36) ethyl acetate		8.911	43	263059	59.82	ug/kg	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59063.D
Acq On : 9 Sep 2013 5:13 pm
Operator : krystend
Sample : mc24064-1ms
Misc : MS29844,MSM2039,5.178,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 10 08:44:35 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	189529	58.36	ug/kg#	83
38) chloroform	8.864	83	514364	47.62	ug/kg	95
40) Tetrahydrofuran	9.194	42	132722	58.16	ug/kg	100
41) 1,1,1-trichloroethane	9.632	97	373932	42.56	ug/kg	94
43) Cyclohexane	9.921	56	168442	17.54	ug/kg	99
44) carbon tetrachloride	10.002	117	301835	37.94	ug/kg	99
45) 1,1-dichloropropene	9.807	75	283731	35.52	ug/kg	96
46) benzene	10.029	78	1061617	42.45	ug/kg	100
47) 1,2-dichloroethane	9.531	62	389680	49.37	ug/kg	95
48) tert-amyl methyl ether	10.150	73	682785	50.60	ug/kg	96
49) heptane	10.507	43	65609	6.19	ug/kg	98
50) trichloroethene	10.662	95	252254	38.09	ug/kg	87
51) 1,2-dichloropropane	10.622	63	287539	44.32	ug/kg	96
52) dibromomethane	10.602	93	202549	56.91	ug/kg	87
53) bromodichloromethane	10.716	83	394659	48.03	ug/kg	99
54) Methylcyclohexane	11.181	83	118575	11.72	ug/kg	94
55) 2-chloroethyl vinyl ether	11.336	63	2763	1.07	ug/kg#	47
56) methyl methacrylate	10.804	69	228683	64.14	ug/kg	93
57) 1,4-dioxane	10.810	88	21819	400.91	ug/kg	77
58) cis-1,3-dichloropropene	11.336	75	433191	44.07	ug/kg	94
60) 4-methyl-2-pentanone	11.423	43	469334	66.47	ug/kg	96
61) toluene	12.117	92	556379	36.17	ug/kg	99
62) trans-1,3-dichloropropene	11.754	75	408205	50.22	ug/kg	92
63) 1,1,2-trichloroethane	11.929	83	227918	52.27	ug/kg	93
64) ethyl methacrylate	12.124	69	406815	54.06	ug/kg	95
66) tetrachloroethene	12.858	166	171552	30.64	ug/kg	98
67) 1,3-dichloropropane	12.164	76	411232	50.40	ug/kg	100
68) dibromochloromethane	12.461	129	354235	57.34	ug/kg	97
69) 1,2-dibromoethane	12.710	107	305630	58.27	ug/kg	98
70) 2-hexanone	12.279	43	347327	53.75	ug/kg	99
71) chlorobenzene	13.545	112	624333	36.18	ug/kg	95
72) 1,1,1,2-tetrachloroethane	13.465	131	260460	43.45	ug/kg	99
73) ethylbenzene	13.714	91	724363	25.94	ug/kg	98
74) m,p-xylene	13.902	106	577932	49.29	ug/kg	91
75) o-xylene	14.313	106	303475	25.98	ug/kg	90
76) styrene	14.239	104	483499	27.38	ug/kg	97
77) bromoform	14.071	173	243114	67.27	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.462	53	115274	53.44	ug/kg	90
80) isopropylbenzene	14.677	105	536338	15.92	ug/kg	94
82) bromobenzene	14.967	156	245423	30.88	ug/kg	90
83) 1,1,2,2-tetrachloroethane	14.320	83	387221	46.62	ug/kg	97
84) 1,2,3-trichloropropane	14.468	75	436650	52.20	ug/kg	99
85) n-propylbenzene	15.122	91	527857	13.53	ug/kg	93
86) 2-chlorotoluene	15.243	91	416125	18.16	ug/kg	93
87) 4-chlorotoluene	15.317	91	444786	19.48	ug/kg	90
88) 1,3,5-trimethylbenzene	15.398	105	379898	13.33	ug/kg	94
89) tert-butylbenzene	15.708	91	171924	10.85	ug/kg	88
90) 1,2,4-trimethylbenzene	15.809	105	397249	14.18	ug/kg	96
91) sec-butylbenzene	15.930	105	358898	9.31	ug/kg	92
92) 1,3-dichlorobenzene	16.038	146	309463	18.54	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59063.D
Acq On : 9 Sep 2013 5:13 pm
Operator : krystend
Sample : mc24064-1ms
Misc : MS29844,MSM2039,5.178,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 10 08:44:35 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

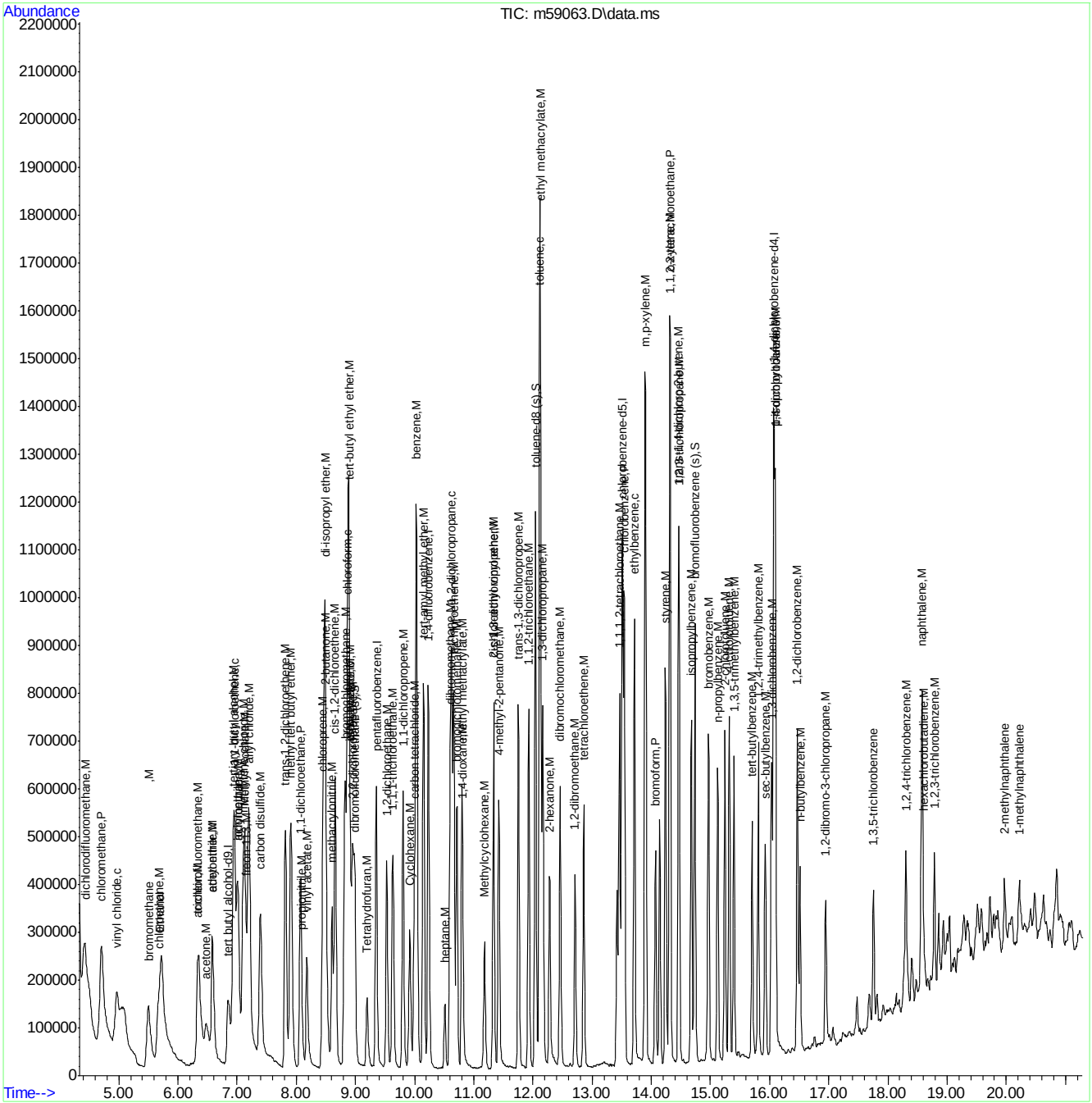
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	299905	9.72	ug/kg	98
94) 1,4-dichlorobenzene	16.099	146	338011	19.18	ug/kg	97
95) 1,2-dichlorobenzene	16.469	146	336561	20.73	ug/kg	98
96) n-butylbenzene	16.516	91	232347	7.72	ug/kg	94
97) 1,2-dibromo-3-chloropr...	16.947	75	69135	47.28	ug/kg	80
98) 1,3,5-trichlorobenzene	17.756	180	98069	9.23	ug/kg	99
99) 1,2,4-trichlorobenzene	18.308	180	109605	11.08	ug/kg	91
100) hexachlorobutadiene	18.598	225	26157	5.05	ug/kg	96
101) naphthalene	18.577	128	570164	21.47	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	104814	11.01	ug/kg	96
103) 2-methylnaphthalene	19.972	142	70420	5.14	ug/kg	95
104) 1-methylnaphthalene	20.221	TIC	597627	12.42	ug/kg#	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59063.D
Acq On : 9 Sep 2013 5:13 pm
Operator : krystend
Sample : mc24064-1ms
Misc : MS29844,MSM2039,5.178,,,5,1
ALS Vial : 19 Sample Multiplier: 1

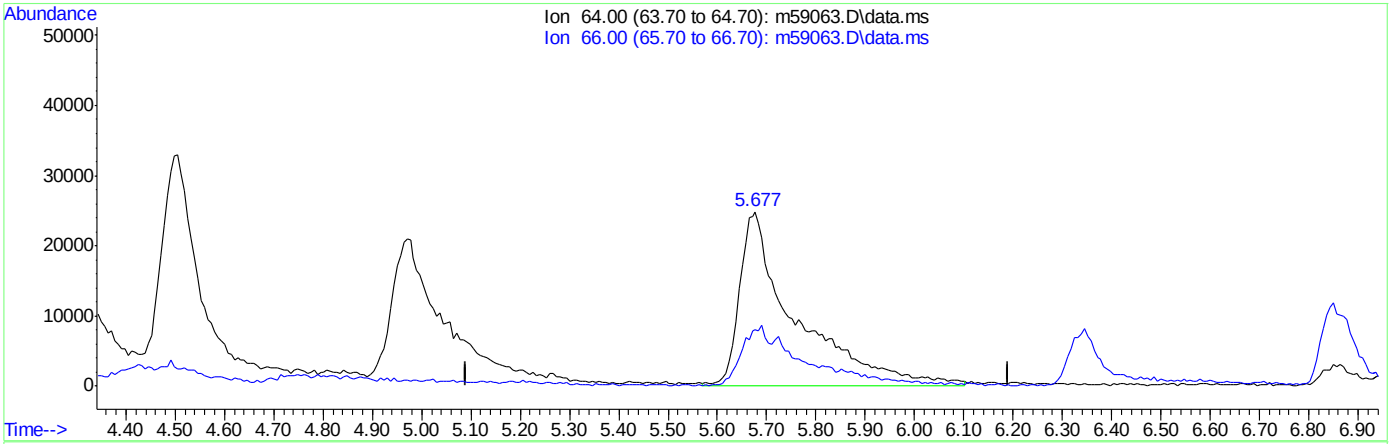
Quant Time: Sep 10 08:44:35 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

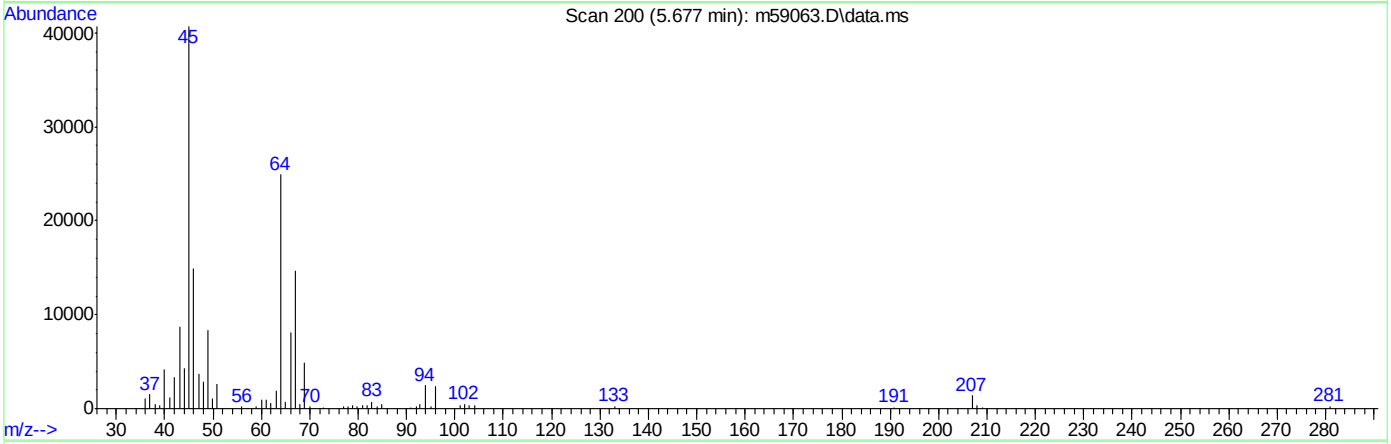


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59063.D
Acq On : 9 Sep 2013 5:13 pm
Operator : krystend
Sample : mc24064-1ms
Misc : MS29844,MSM2039,5.178,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 10 08:44:14 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59063.D\data.ms

(9) chloroethane (M)

5.677min (+0.006) 50.88ug/kg m

response 198947

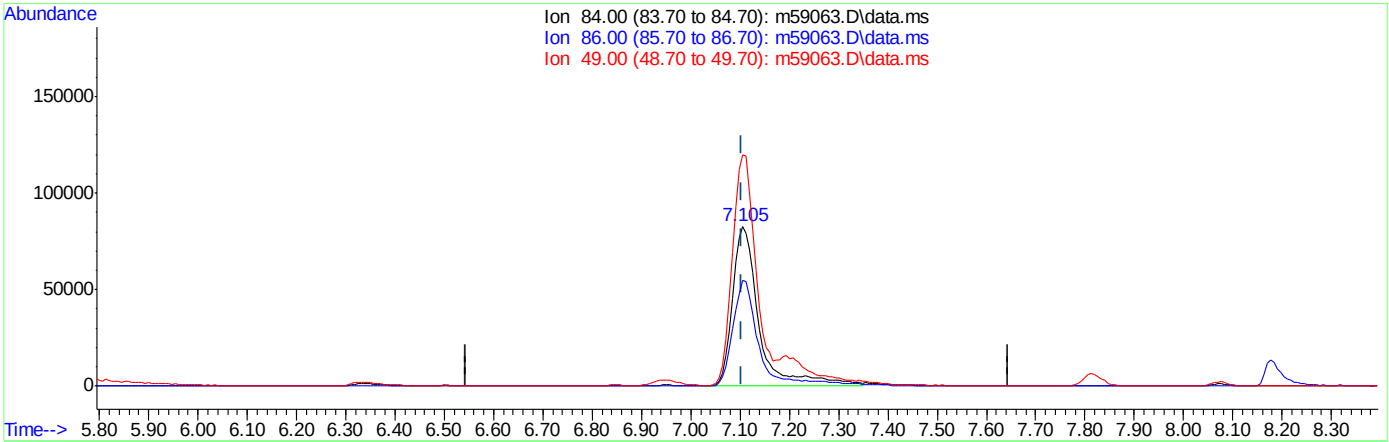
Ion	Exp%	Act%
64.00	100	100
66.00	31.60	32.60
0.00	0.00	0.00
0.00	0.00	0.00

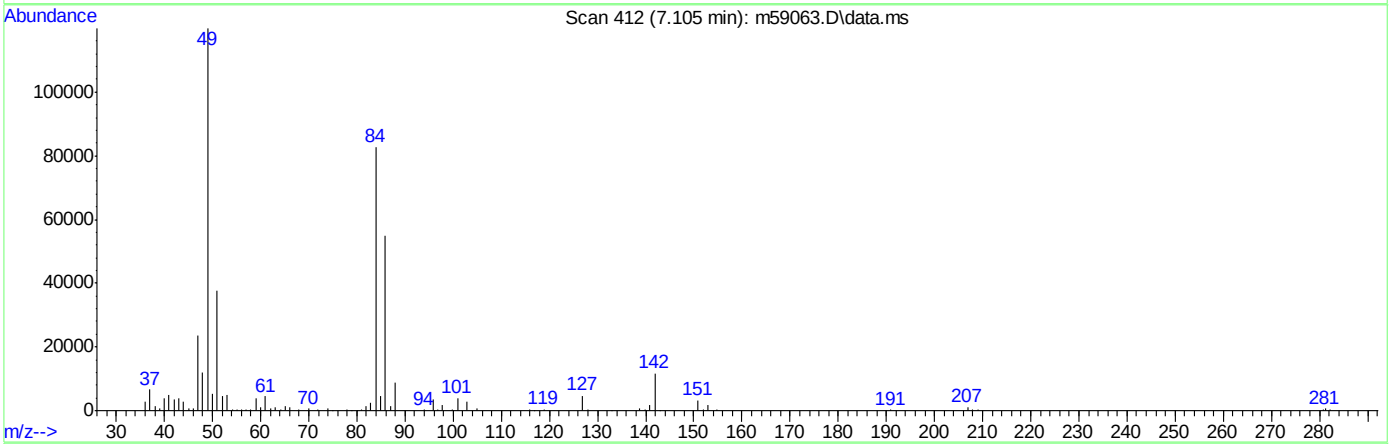
ACCUTEST LABORATORIES
MC24023

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59063.D
Acq On : 9 Sep 2013 5:13 pm
Operator : krystend
Sample : mc24064-1ms
Misc : MS29844,MSM2039,5.178,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 10 08:44:14 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59063.D\data.ms

(18) methylene chloride (M)

7.105min (+0.000) 46.69ug/kg m

response 310446

Ion	Exp%	Act%
84.00	100	100
86.00	67.20	66.20
49.00	155.70	144.87
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/10/13 11:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59064.D
Acq On : 9 Sep 2013 5:43 pm
Operator : krystend
Sample : mc24064-1msd
Misc : MS29844,MSM2039,5.594,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 10 08:45:12 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	363960	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	472479	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	769630	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	355283	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	425569	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	239640	39.62	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 79.24%			
59) toluene-d8 (s)	12.043	98	857982	42.25	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.50%			
81) bromofluorobenzene (s)	14.738	95	336413	40.70	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 81.40%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	560592	573.95	ug/kg	94
3) Ethanol	5.697	45	436842	4537.69	ug/kg	99
5) dichlorodifluoromethane	4.424	85	272379	40.88	ug/kg	96
6) chloromethane	4.694	50	494431	47.80	ug/kg	100
7) vinyl chloride	4.956	62	409886	34.02	ug/kg	97
8) bromomethane ...	5.495	96	243704	44.20	ug/kg	96
9) chloroethane	5.677	64	183107	47.28	ug/kg	97
10) ethyl ether	6.580	59	226587	49.90	ug/kg	92
11) acetonitrile	6.580	41	64478	46.62	ug/kg	88
12) trichlorofluoromethane	6.331	101	443817m	45.74	ug/kg	
13) freon-113	7.146	101	227928	45.26	ug/kg	87
14) acrolein	6.331	56	116387	335.65	ug/kg	97
15) 1,1-dichloroethene	6.944	96	275439	49.79	ug/kg	89
16) acetone	6.465	58	55925	53.61	ug/kg#	58
17) Methyl Acetate	7.126	43	278678	36.55	ug/kg	98
18) methylene chloride	7.099	84	312035m	47.38	ug/kg	
19) methyl tert butyl ether	7.907	73	720172	51.00	ug/kg	98
20) acrylonitrile	6.998	53	135687	58.29	ug/kg	92
21) allyl chloride	7.193	41	456033	41.69	ug/kg	99
22) trans-1,2-dichloroethene	7.813	96	308695	48.35	ug/kg	93
23) iodomethane	7.011	142	573226	54.77	ug/kg	96
24) carbon disulfide	7.388	76	881058	47.41	ug/kg	100
25) propionitrile	8.089	54	50365	64.85	ug/kg	100
26) vinyl acetate	8.176	43	418495	31.56	ug/kg	97
27) chloroprene	8.446	53	403005	41.84	ug/kg	94
28) di-isopropyl ether	8.486	45	976129	42.27	ug/kg	98
29) methacrylonitrile	8.601	41	211860	54.36	ug/kg	97
30) 2-butanone	8.493	72	48272	45.16	ug/kg	96
31) 1,1-dichloroethane	8.069	63	513684	49.83	ug/kg	97
32) tert-butyl ethyl ether	8.890	59	822319	48.06	ug/kg	99
33) isobutyl alcohol	8.904	43	252202	292.24	ug/kg#	67
34) 2,2-dichloropropane	8.951	77	339349	48.96	ug/kg	97
35) cis-1,2-dichloroethene	8.655	96	332769	46.28	ug/kg	93
36) ethyl acetate	8.904	43	243402	55.88	ug/kg	79

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59064.D
Acq On : 9 Sep 2013 5:43 pm
Operator : krystend
Sample : mc24064-1msd
Misc : MS29844,MSM2039,5.594,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 10 08:45:12 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	188396	58.56	ug/kg#	83
38) chloroform	8.864	83	518914	48.50	ug/kg	96
40) Tetrahydrofuran	9.194	42	123429	54.61	ug/kg	99
41) 1,1,1-trichloroethane	9.632	97	424276	48.75	ug/kg	95
43) Cyclohexane	9.914	56	342397	36.06	ug/kg	99
44) carbon tetrachloride	10.002	117	394638	50.18	ug/kg	97
45) 1,1-dichloropropene	9.800	75	351459	44.51	ug/kg	96
46) benzene	10.029	78	1113864	45.05	ug/kg	100
47) 1,2-dichloroethane	9.524	62	383043	49.09	ug/kg	94
48) tert-amyl methyl ether	10.150	73	681252	51.07	ug/kg	96
49) heptane	10.507	43	334980	31.97	ug/kg	100
50) trichloroethene	10.655	95	285828	43.66	ug/kg	93
51) 1,2-dichloropropane	10.622	63	290993	45.37	ug/kg	99
52) dibromomethane	10.602	93	201808	57.35	ug/kg	86
53) bromodichloromethane	10.716	83	401164	49.38	ug/kg	99
54) Methylcyclohexane	11.181	83	369981	37.00	ug/kg	95
55) 2-chloroethyl vinyl ether	11.181	63	4086	1.59	ug/kg#	1
56) methyl methacrylate	10.804	69	231264	65.60	ug/kg	87
57) 1,4-dioxane	10.804	88	24010	446.74	ug/kg	83
58) cis-1,3-dichloropropene	11.336	75	434497	44.71	ug/kg	92
60) 4-methyl-2-pentanone	11.423	43	456437	65.39	ug/kg	96
61) toluene	12.117	92	678547	44.61	ug/kg	95
62) trans-1,3-dichloropropene	11.753	75	401169	49.92	ug/kg	90
63) 1,1,2-trichloroethane	11.929	83	231850	53.78	ug/kg	96
64) ethyl methacrylate	12.124	69	414171	55.66	ug/kg	96
66) tetrachloroethene	12.858	166	279899	49.35	ug/kg	98
67) 1,3-dichloropropane	12.164	76	420109	50.83	ug/kg	99
68) dibromochloromethane	12.461	129	365160	58.35	ug/kg	95
69) 1,2-dibromoethane	12.710	107	312910	58.90	ug/kg	98
70) 2-hexanone	12.279	43	340490	52.02	ug/kg	94
71) chlorobenzene	13.539	112	779586	44.59	ug/kg	95
72) 1,1,1,2-tetrachloroethane	13.464	131	322757	53.16	ug/kg	95
73) ethylbenzene	13.714	91	1131963	40.02	ug/kg	96
74) m,p-xylene	13.902	106	926435	78.00	ug/kg	95
75) o-xylene	14.313	106	464772	39.28	ug/kg	92
76) styrene	14.239	104	708222	39.60	ug/kg	98
77) bromoform	14.071	173	260200	71.08	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.461	53	111093	50.85	ug/kg#	81
80) isopropylbenzene	14.677	105	1114578	30.94	ug/kg	96
82) bromobenzene	14.967	156	338534	39.83	ug/kg	89
83) 1,1,2,2-tetrachloroethane	14.320	83	414549	46.66	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	447817	50.05	ug/kg	99
85) n-propylbenzene	15.122	91	1192659	28.59	ug/kg	92
86) 2-chlorotoluene	15.243	91	722514	29.48	ug/kg	93
87) 4-chlorotoluene	15.317	91	749319	30.69	ug/kg	93
88) 1,3,5-trimethylbenzene	15.398	105	885748	29.05	ug/kg	95
89) tert-butylbenzene	15.708	91	466482	27.53	ug/kg	84
90) 1,2,4-trimethylbenzene	15.809	105	883021	29.47	ug/kg	97
91) sec-butylbenzene	15.930	105	1154619	28.01	ug/kg	94
92) 1,3-dichlorobenzene	16.038	146	563312	31.55	ug/kg	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59064.D
Acq On : 9 Sep 2013 5:43 pm
Operator : krystend
Sample : mc24064-1msd
Misc : MS29844,MSM2039,5.594,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 10 08:45:12 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

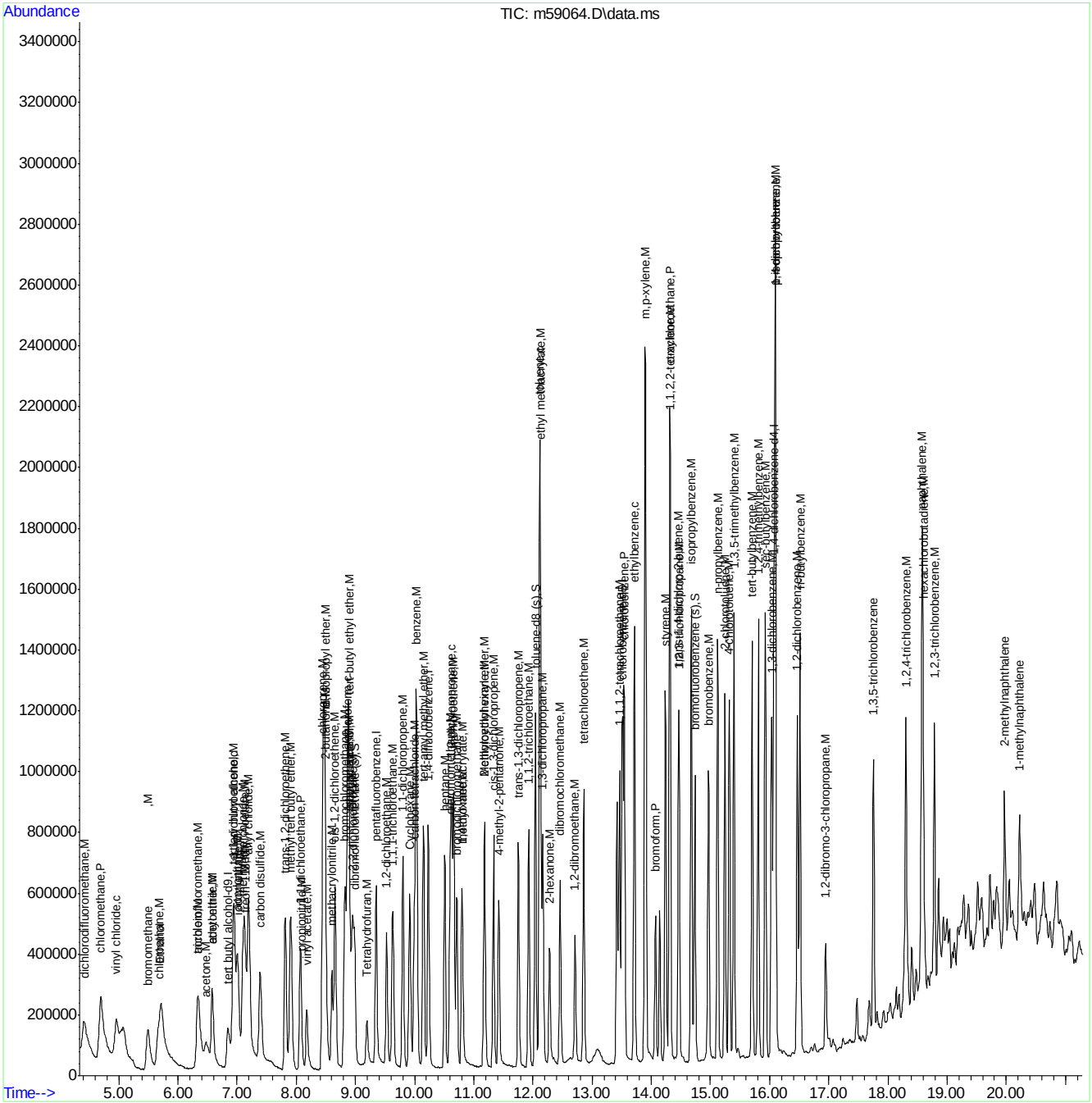
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.098	119	978827	29.67	ug/kg	96
94) 1,4-dichlorobenzene	16.098	146	598628	31.75	ug/kg	98
95) 1,2-dichlorobenzene	16.469	146	565497	32.57	ug/kg	98
96) n-butylbenzene	16.516	91	838855	26.06	ug/kg	93
97) 1,2-dibromo-3-chloropr...	16.947	75	83123	53.85	ug/kg	82
98) 1,3,5-trichlorobenzene	17.756	180	323430	28.47	ug/kg	99
99) 1,2,4-trichlorobenzene	18.308	180	337214	31.87	ug/kg	99
100) hexachlorobutadiene	18.598	225	175343	31.62	ug/kg	97
101) naphthalene	18.577	128	1165141	41.02	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	320843	31.51	ug/kg	97
103) 2-methylnaphthalene	19.972	142	281285	19.20	ug/kg	97
104) 1-methylnaphthalene	20.228	TIC	1631201	35.56	ug/kg#	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59064.D
Acq On : 9 Sep 2013 5:43 pm
Operator : krystend
Sample : mc24064-1msd
Misc : MS29844,MSM2039,5.594,,,5,1
ALS Vial : 20 Sample Multiplier: 1

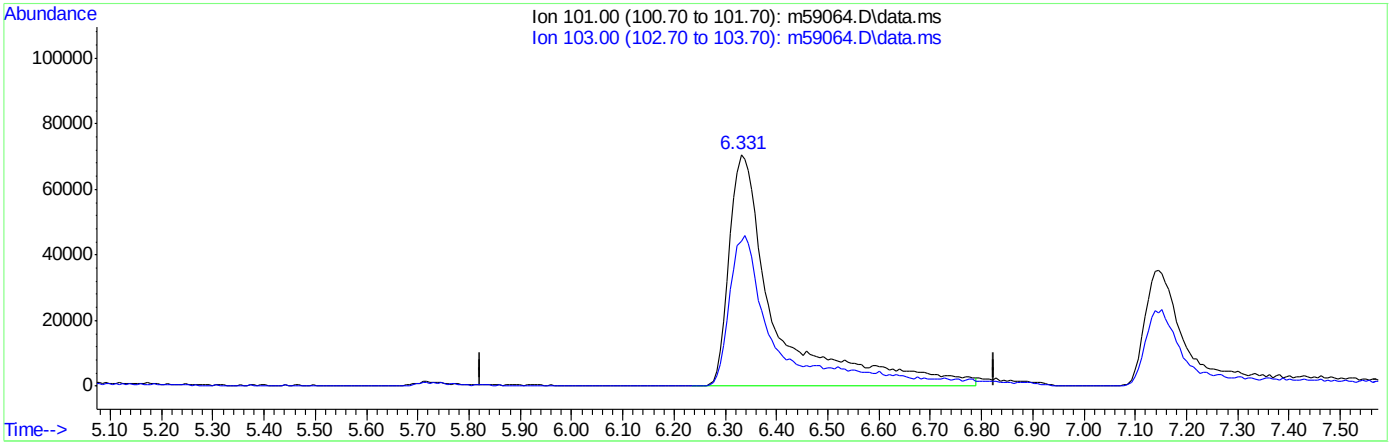
Quant Time: Sep 10 08:45:12 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

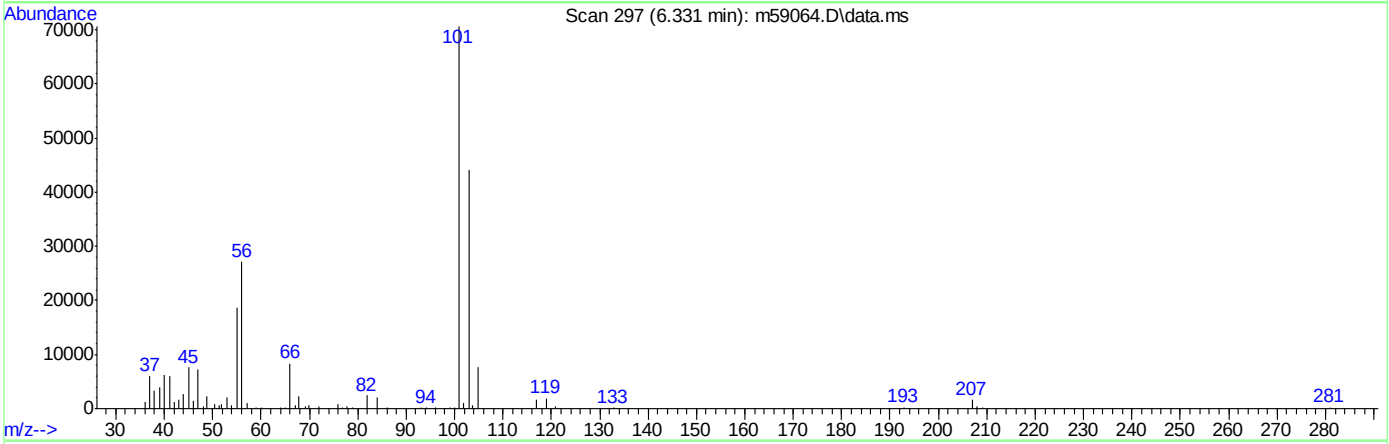


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59064.D
Acq On : 9 Sep 2013 5:43 pm
Operator : krystend
Sample : mc24064-1msd
Misc : MS29844,MSM2039,5.594,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 10 08:44:53 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59064.D\data.ms

(12) trichlorofluoromethane (M)

6.331min (-0.013) 45.74ug/kg m

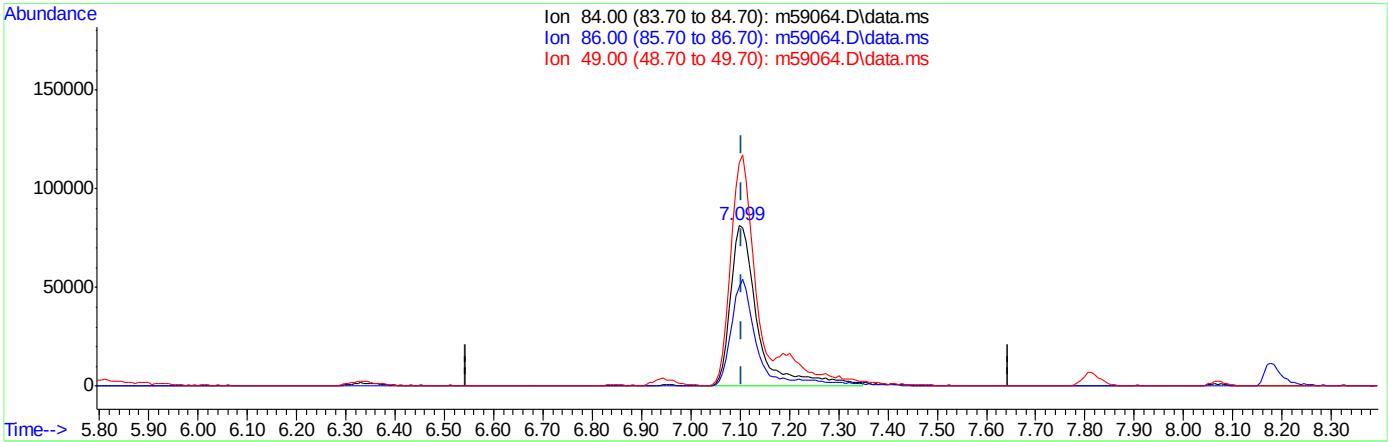
response 443817

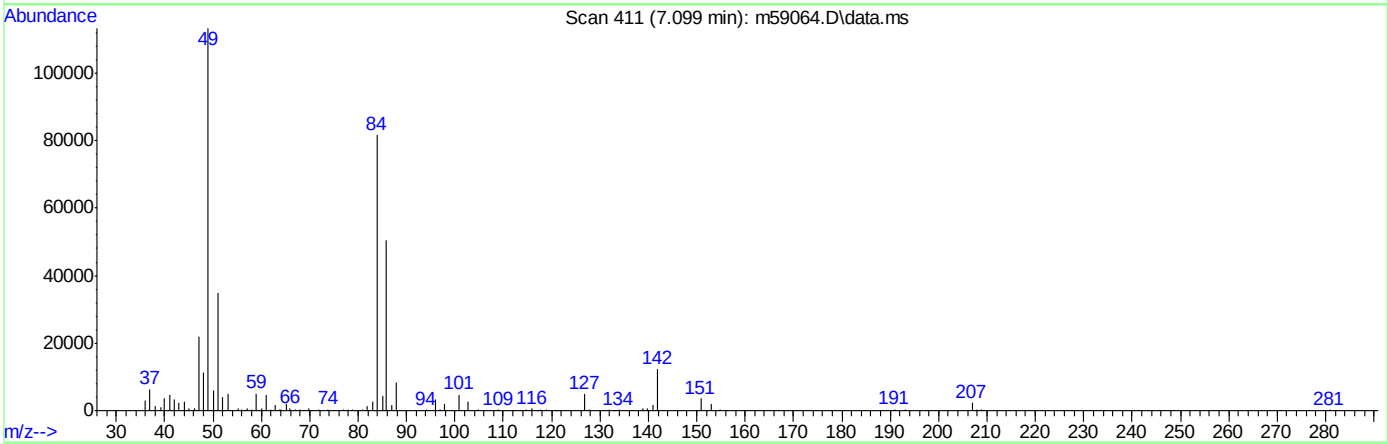
Ion	Exp%	Act%
101.00	100	100
103.00	62.50	62.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59064.D
Acq On : 9 Sep 2013 5:43 pm
Operator : krystend
Sample : mc24064-1msd
Misc : MS29844,MSM2039,5.594,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 10 08:44:53 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59064.D\data.ms

(18) methylene chloride (M)

7.099min (-0.006) 47.38ug/kg m

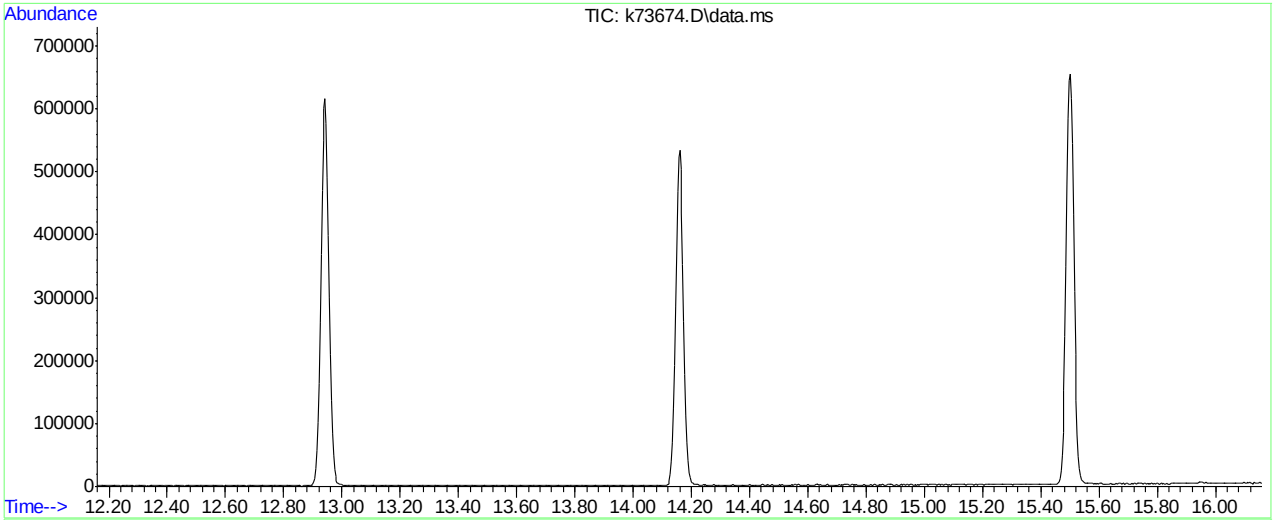
response 312035

Ion	Exp%	Act%
84.00	100	100
86.00	67.20	61.87
49.00	155.70	138.85
0.00	0.00	0.00

SW-846 Method 8260

Data File : C:\msdchem\1\data\130903\k73674.D Vial: 3
Acq On : 3 Sep 2013 2:01 pm Operator: GaryK
Sample : bfb Inst : MSK
Misc : ms29792,msk2393,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\K130807S.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Average of 14.156 to 14.163 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.0	17100	PASS
75	95	30	60	42.6	45549	PASS
95	95	100	100	100.0	106925	PASS
96	95	5	9	7.0	7471	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	98.0	104813	PASS
175	174	5	9	7.1	7453	PASS
176	174	95	101	95.0	99584	PASS
177	176	5	9	6.5	6455	PASS

k73674.D K130807S.m Tue Sep 03 15:10:09 2013

Average of 14.156 to 14.163 min.: k73674.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	790	50.10	17100	64.15	408	77.05	700
37.15	4094	51.15	5241	65.05	352	78.05	441
38.15	3805	52.10	173	67.10	171	79.00	1986
39.15	1616	55.15	348	68.10	9060	80.00	591
40.00	7	56.10	1285	69.10	9297	80.95	2151
44.10	428	57.10	2367	70.10	680	82.05	444
45.10	910	58.00	52	72.05	541	83.20	57
47.15	1121	60.05	739	73.05	4097	86.00	74
47.85	269	61.10	4268	74.10	14879	87.05	4163
48.10	178	62.10	4006	75.10	45549	88.05	3960
49.15	3736	63.10	2860	76.10	3911	91.05	226

Average of 14.156 to 14.163 min.: k73674.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.10	2441	117.00	628	140.00	67	150.10	53
93.10	4033	117.95	359	141.00	841	152.80	50
94.10	11072	119.00	640	142.90	333	154.95	355
95.10	106925	120.10	55	143.05	656	157.00	125
96.10	7471	127.95	347	144.85	140	158.95	125
97.15	184	128.80	51	145.70	65	161.00	106
104.00	393	129.95	445	145.95	174	172.00	757
106.00	405	131.10	75	147.00	86	174.00	104813
107.00	55	135.05	127	147.20	62	175.00	7453
115.00	52	136.80	68	147.90	254	176.00	99584
116.00	337	137.10	116	149.80	54	177.00	6455

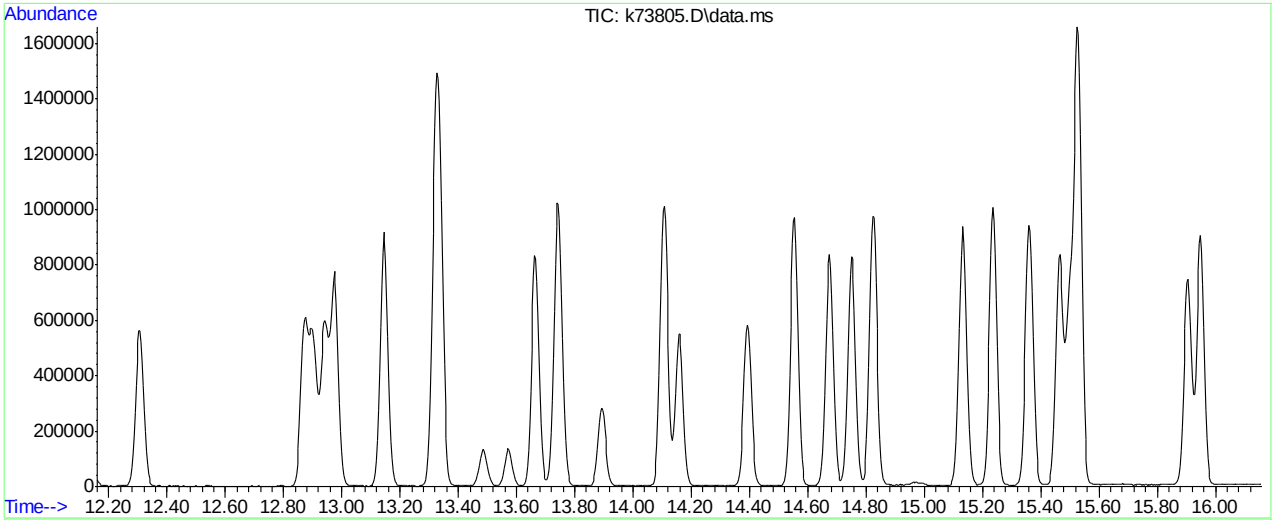
Average of 14.156 to 14.163 min.: k73674.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
178.05	223						
193.20	52						
207.05	34						
269.20	63						
280.90	64						
281.10	55						

SW-846 Method 8260

Data File : C:\msdchem\1\data\130909\k73805.D Vial: 2
Acq On : 9 Sep 2013 9:19 am Operator: GaryK
Sample : bfb Inst : MSK
Misc : ms29832,msk2397,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\K130903S.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 3082

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.0	17736	PASS
75	95	30	60	42.6	47280	PASS
95	95	100	100	100.0	110936	PASS
96	95	5	9	6.8	7523	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	103.5	114816	PASS
175	174	5	9	7.6	8707	PASS
176	174	95	101	96.8	111192	PASS
177	176	5	9	6.9	7625	PASS

k73805.D K130903S.m Mon Sep 09 13:14:25 2013

Scan 3082 (14.160 min): k73805.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.20	922	51.10	4909	69.10	8839	81.00	2140
37.10	3924	52.30	196	70.10	714	82.00	391
38.20	3348	55.10	156	72.10	554	87.00	4216
39.20	1530	56.10	1095	73.10	3978	88.10	4184
40.10	318	57.20	2655	74.10	14397	91.20	456
44.10	1010	60.10	854	75.10	47280	92.10	3048
45.10	745	61.10	3778	76.10	4181	93.10	4069
47.10	1191	62.10	3827	77.10	669	94.10	11250
48.20	624	63.10	3033	78.20	447	95.10	110936
49.10	3302	64.20	362	79.00	2015	96.10	7523
50.20	17736	68.10	9133	80.00	616	97.20	274

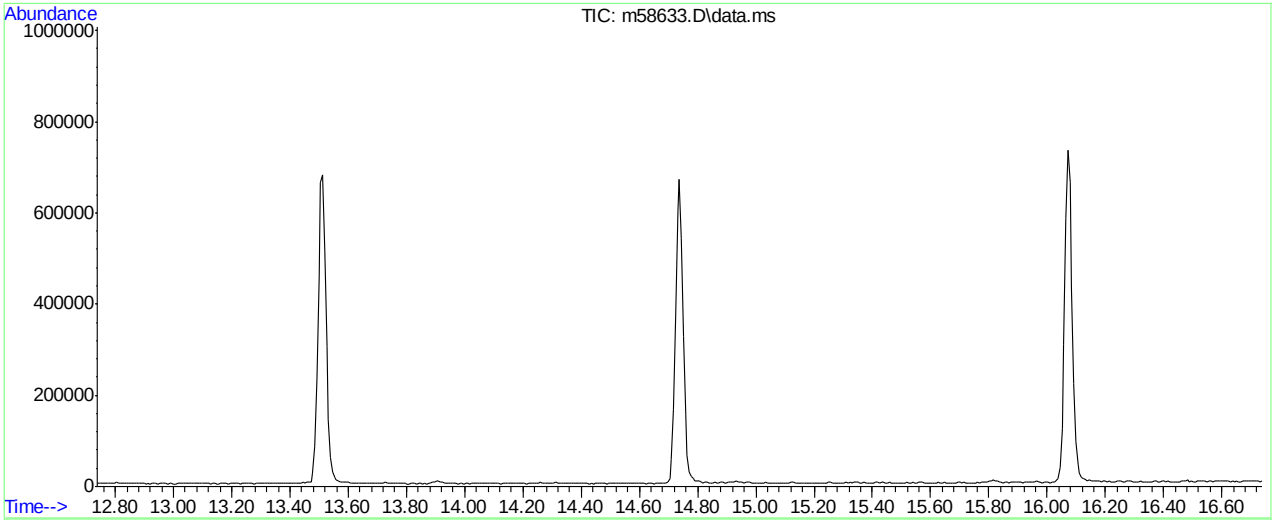
Scan 3082 (14.160 min): k73805.D\data.ms
bfb

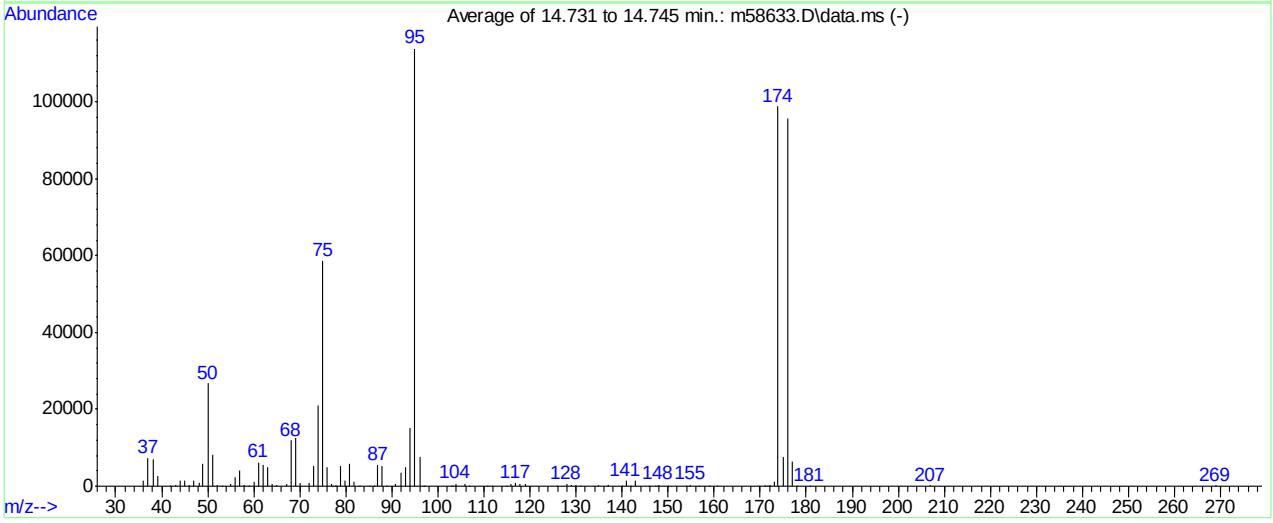
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.00	204	128.00	408	149.90	185	208.00	208
104.00	323	129.10	151	155.00	555	253.00	243
105.00	590	130.00	402	157.00	232	269.00	393
106.00	419	131.00	205	159.00	200	281.20	230
107.00	227	135.00	354	172.00	234		
113.00	150	136.90	185	174.00	114816		
116.10	314	141.00	795	175.00	8707		
117.00	615	143.00	647	176.00	111192		
118.00	322	145.90	207	177.00	7625		
119.00	539	148.00	257	177.90	247		
120.20	207	148.90	194	207.10	1018		

BFB

Data File : C:\msdchem\1\data\M130821.S\m58633.D Vial: 9
Acq On : 21 Aug 2013 12:54 pm Operator: krystend
Sample : bfb Inst : GCMS M
Misc : MS29707,MSM2022,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Average of 14.731 to 14.745 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.5	26707	PASS
75	95	30	60	51.4	58531	PASS
95	95	100	100	100.0	113843	PASS
96	95	5	9	6.7	7658	PASS
173	174	0.00	2	1.1	1127	PASS
174	95	50	150	86.7	98749	PASS
175	174	5	9	7.6	7472	PASS
176	174	95	101	96.7	95533	PASS
177	176	5	9	6.6	6321	PASS

m58633.D M130821S.M Thu Aug 22 09:41:59 2013

Average of 14.731 to 14.745 min.: m58633.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1525	49.00	5971	61.00	6136	74.00	21045
37.00	7395	50.00	26707	62.00	5630	75.00	58531
38.05	6945	51.00	8047	63.00	4877	76.00	5081
39.05	2577	52.05	360	64.05	642	76.85	629
41.90	67	53.00	53	65.05	250	77.20	152
43.10	178	54.90	480	67.05	509	77.95	257
44.00	1515	56.00	2310	68.00	11929	78.90	5317
45.00	1359	57.00	4195	69.00	12403	79.85	1337
46.05	186	58.00	293	69.95	888	80.90	5713
47.00	1543	58.80	68	72.00	751	81.85	1138
48.05	896	60.00	1227	73.00	5363	82.95	120

Average of 14.731 to 14.745 min.: m58633.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.20	66	96.80	88	116.85	744	139.90	52
86.10	69	97.00	123	117.85	545	140.90	1413
86.90	5503	102.90	62	118.90	651	141.85	126
87.90	5181	103.10	57	125.80	51	142.85	1361
88.80	64	103.90	672	127.90	559	145.90	126
90.85	624	105.90	666	128.90	291	147.30	81
91.95	3514	106.90	134	129.85	406	147.90	305
93.00	4836	110.80	60	130.90	54	149.85	147
94.00	15037	111.80	52	134.90	335	153.80	59
95.00	113843	114.90	53	136.70	58	154.85	297
96.00	7658	115.95	523	136.95	239	156.80	154

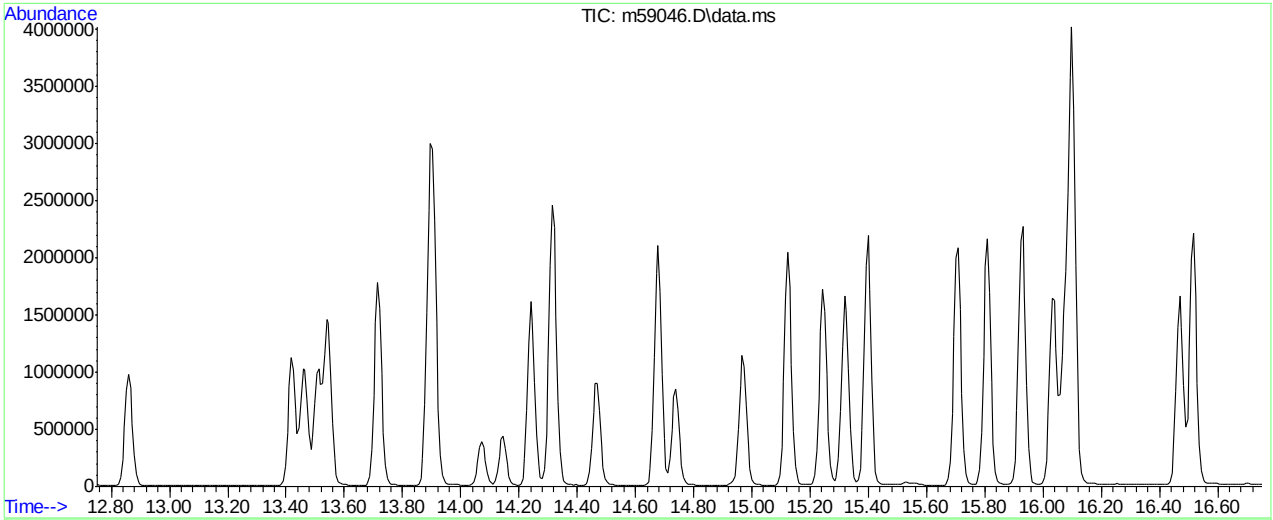
Average of 14.731 to 14.745 min.: m58633.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
159.00	51	175.90	95533				
160.75	123	176.90	6321				
169.70	51	177.95	115				
170.80	64	180.80	57				
171.10	73	207.00	161				
171.70	144	269.00	190				
172.00	167						
172.20	127						
173.00	1127						
173.90	98749						
174.90	7472						

BFB

Data File : C:\msdchem\1\data\M130909.S\m59046.D Vial: 2
Acq On : 9 Sep 2013 8:51 am Operator: krystend
Sample : bfb Inst : GCMS M
Misc : MS29833,MSM2039,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 1547

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.5	11514	PASS
75	95	30	60	42.8	29809	PASS
95	95	100	100	100.0	69638	PASS
96	95	5	9	6.3	4409	PASS
173	174	0.00	2	1.2	968	PASS
174	95	50	150	113.7	79162	PASS
175	174	5	9	7.0	5560	PASS
176	174	95	101	97.3	77056	PASS
177	176	5	9	5.6	4307	PASS

m59046.D M130821S.M Mon Sep 09 15:38:20 2013

Scan 1547 (14.751 min): m59046.D\data.ms (-1553)
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	689	50.00	11514	65.00	202	78.10	540
37.10	3845	51.00	3645	67.00	364	78.90	2285
38.00	2852	52.10	240	68.00	6312	80.00	629
39.00	1402	55.90	1292	69.00	6703	80.90	2414
42.90	195	57.00	1797	69.90	418	82.00	485
43.10	188	60.10	459	72.10	271	87.00	2878
44.00	576	61.00	3335	73.00	2575	88.00	3087
45.00	815	62.00	2947	74.00	10250	89.20	152
47.00	647	63.00	2360	75.00	29809	91.00	443
48.00	239	63.90	216	76.00	2363	92.00	2175
49.00	2648	64.20	206	77.00	458	93.00	3230

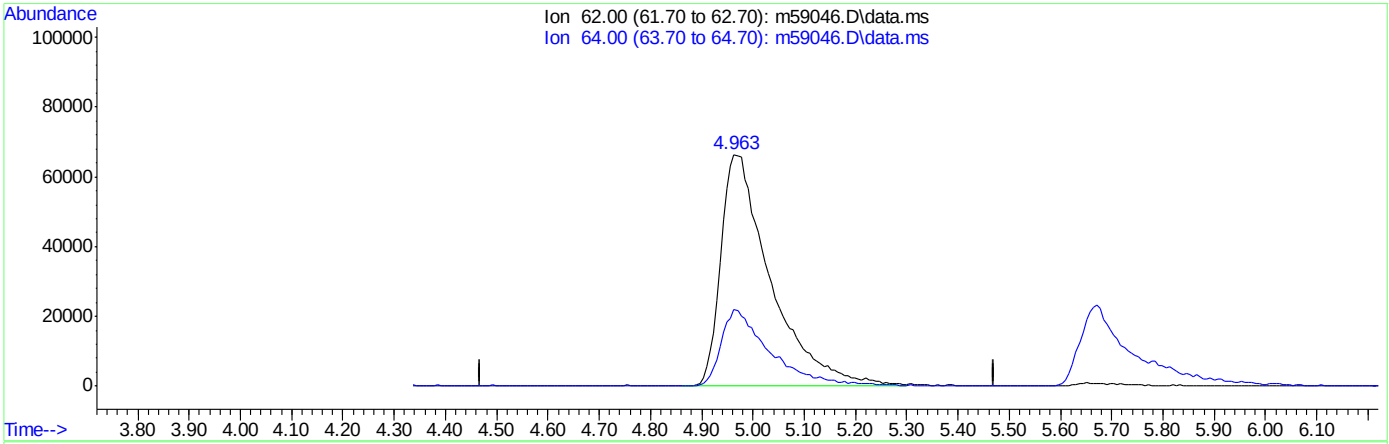
Scan 1547 (14.751 min): m59046.D\data.ms (-1553)
bfb
Modified:subtracted

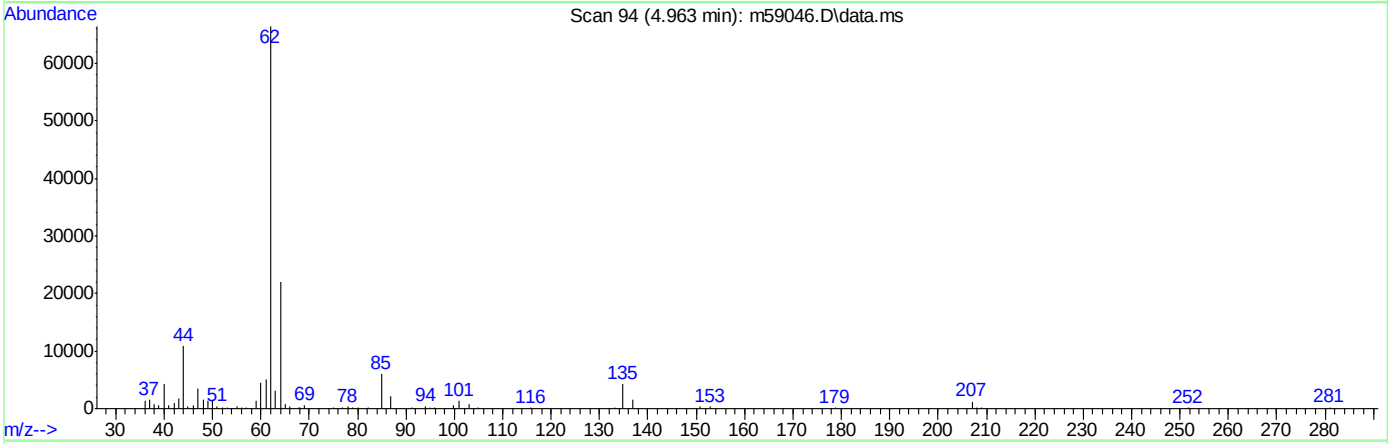
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	7789	116.80	585	155.10	247	207.90	245
95.00	69638	118.00	365	156.90	195	266.90	218
96.00	4409	118.90	488	158.80	186	269.00	79
96.90	215	119.90	124	170.50	159		
102.80	251	127.80	293	171.90	279		
103.95	297	129.70	351	172.90	968		
105.00	942	135.00	355	173.90	79162		
105.90	515	141.00	970	174.90	5560		
110.80	177	142.80	703	175.90	77056		
115.00	257	147.80	300	176.90	4307		
115.90	394	148.90	160	177.90	200		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59046.D
Acq On : 9 Sep 2013 8:51 am
Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:29:40 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59046.D\data.ms

(7) vinyl chloride (c)

4.963min (-0.007) 44.23ug/kg m

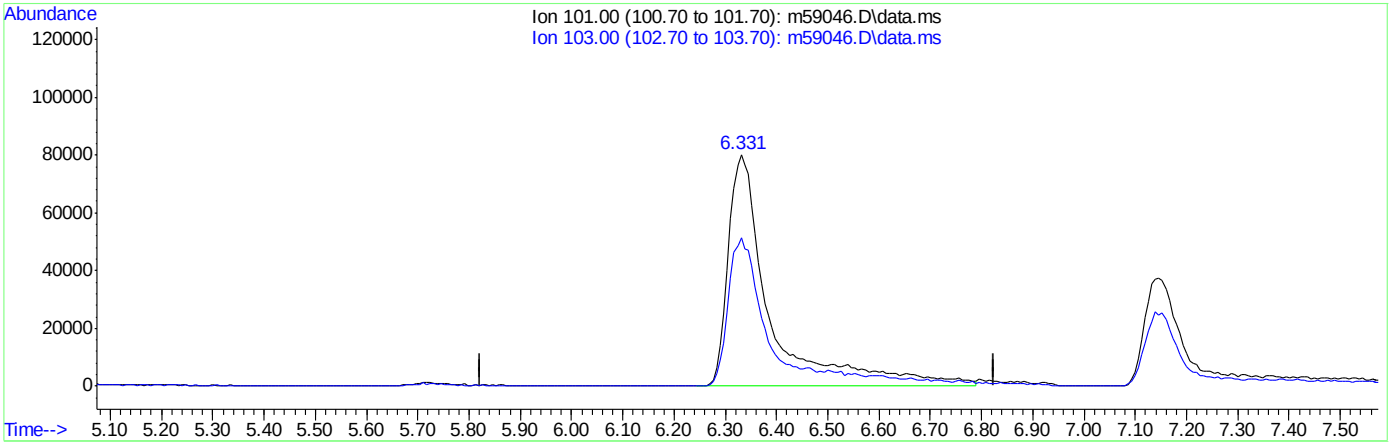
response 447392

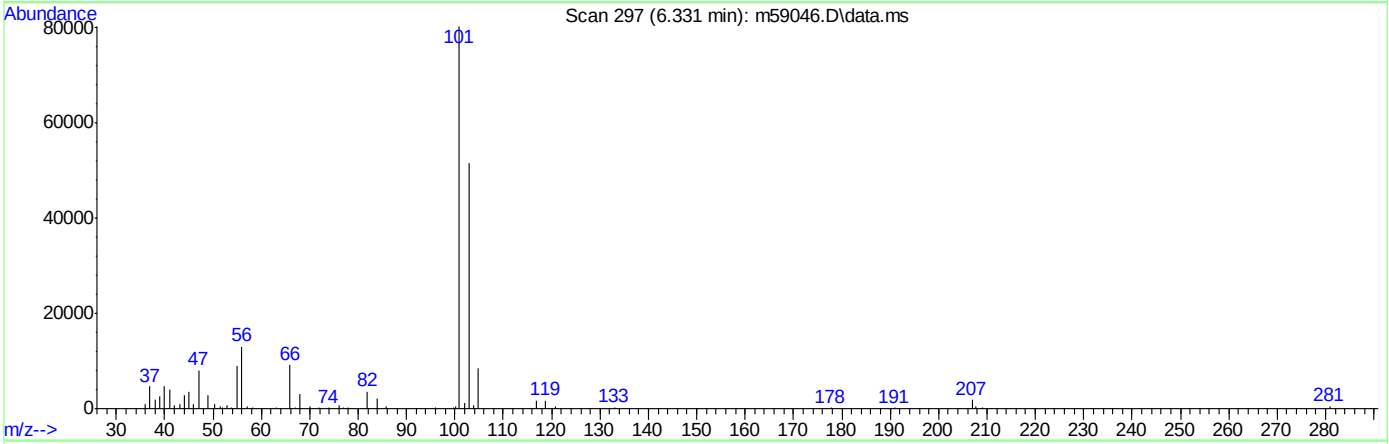
Ion	Exp%	Act%
62.00	100	100
64.00	29.50	33.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59046.D
Acq On : 9 Sep 2013 8:51 am
Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:29:40 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59046.D\data.ms

(12) trichlorofluoromethane (M)

6.331min (-0.013) 56.23ug/kg m

response 458088

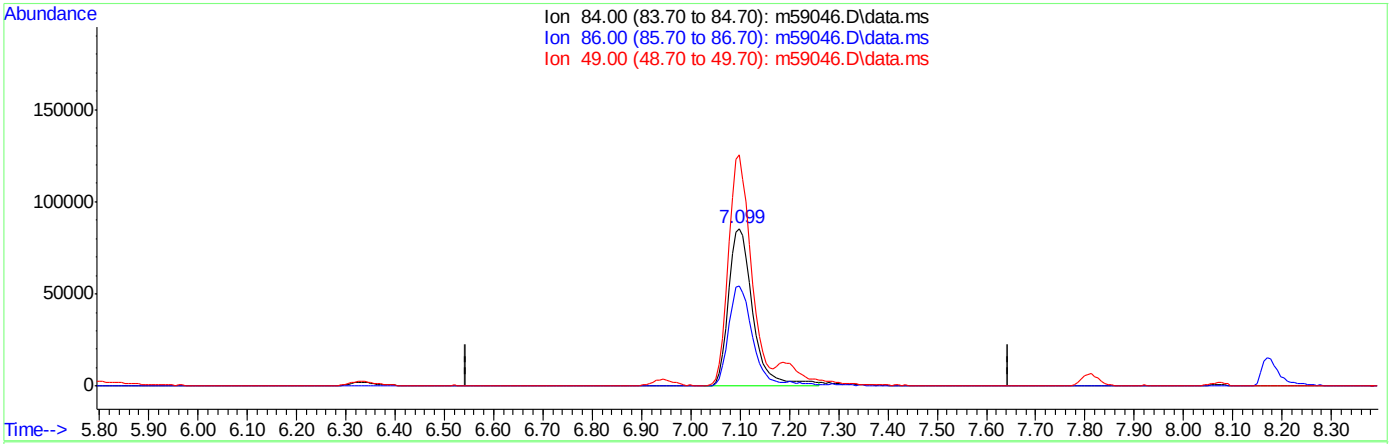
Ion	Exp%	Act%
101.00	100	100
103.00	62.50	64.25
0.00	0.00	0.00
0.00	0.00	0.00

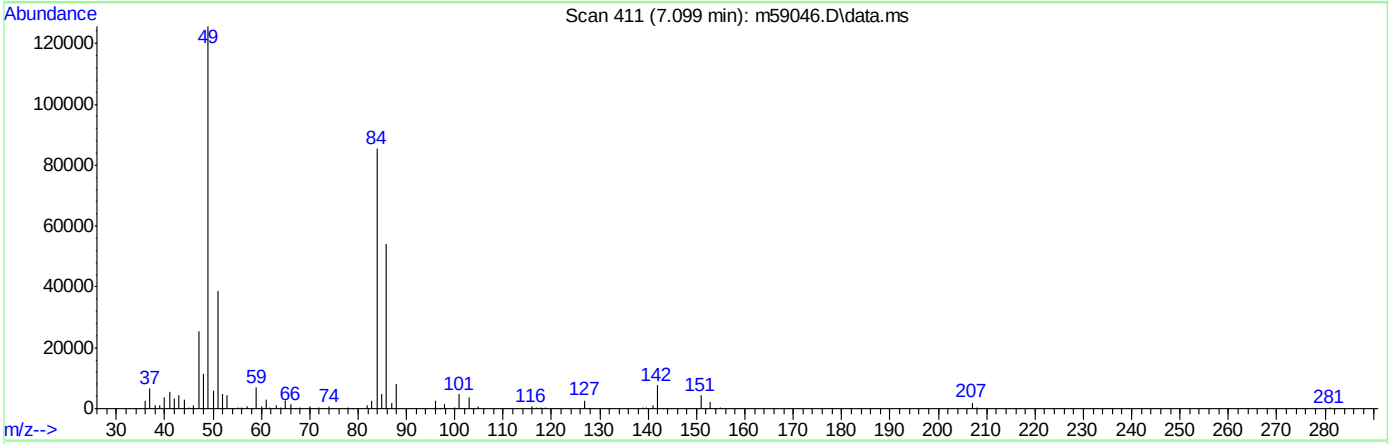
ACCUTEST LABORATORIES MC24023

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59046.D
Acq On : 9 Sep 2013 8:51 am
Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:29:40 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59046.D\data.ms

(18) methylene chloride (M)

7.099min (-0.006) 52.70ug/kg m

response 291450

Ion	Exp%	Act%
84.00	100	100
86.00	67.20	63.51
49.00	155.70	147.02
0.00	0.00	0.00

Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
09/04/13 09:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73675.D
Acq On : 3 Sep 2013 2:28 pm
Operator : GaryK
Sample : ic2393-0.5
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 08:34:10 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:27:26 2013
Response via : Initial Calibration

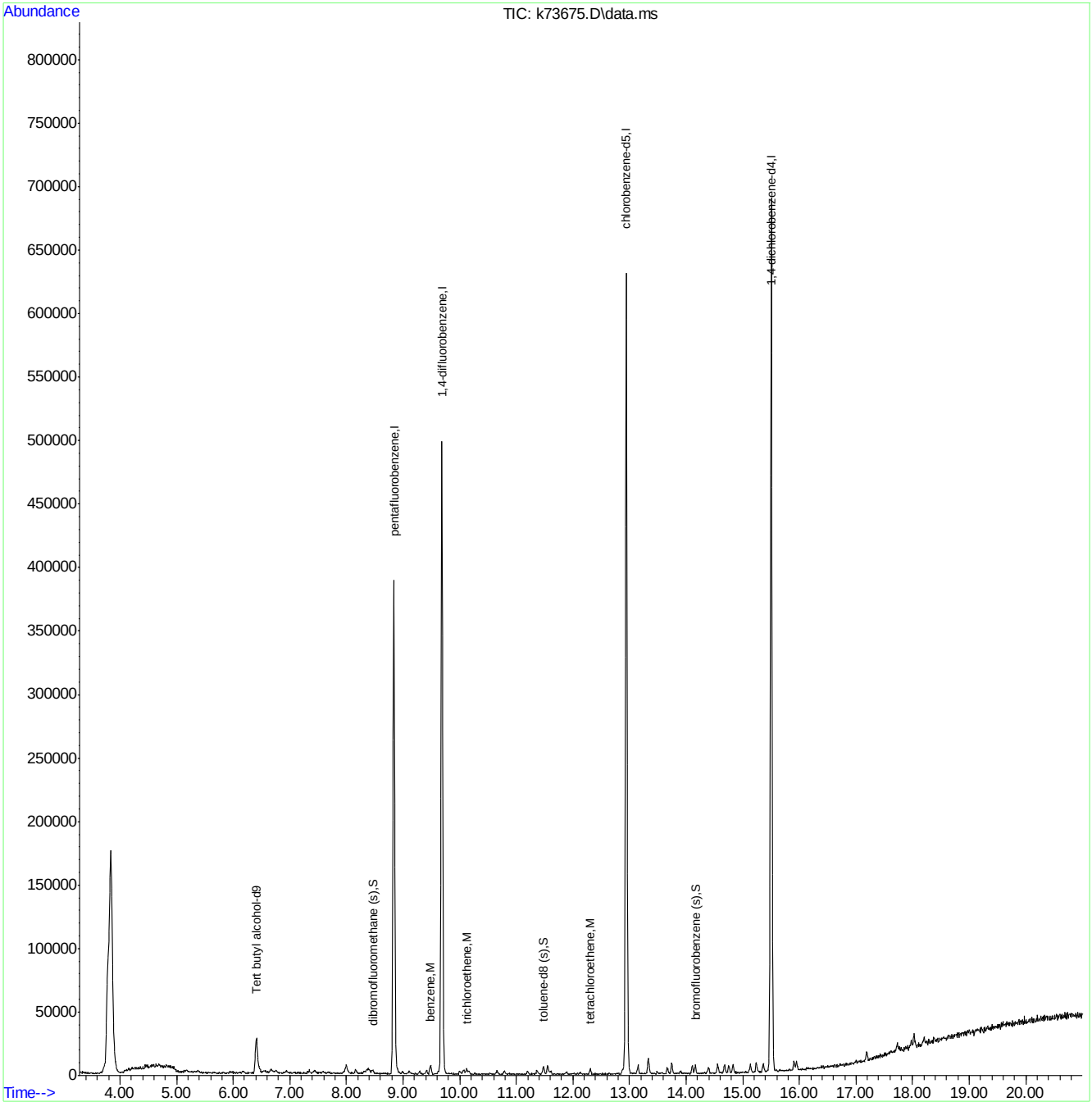
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.415	65	43873	50.00	ug/kg	0.00
4) pentafluorobenzene	8.839	168	327352	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.686	114	489648	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.943	82	198965	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	225002	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.468	113	1513m	0.45	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 0.90%#			
63) toluene-d8 (s)	11.480	98	5209	0.42	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 0.84%#			
87) bromofluorobenzene (s)	14.162	95	2617	0.56	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.12%#			
Target Compounds						Qvalue
49) benzene	9.487	78	5524	0.49	ug/kg	96
54) trichloroethene	10.123	95	1367m	0.40	ug/kg	
70) tetrachloroethene	12.307	166	1416m	0.40	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73675.D
Acq On : 3 Sep 2013 2:28 pm
Operator : GaryK
Sample : ic2393-0.5
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 08:34:10 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:27:26 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/04/13 09:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73676.D
Acq On : 3 Sep 2013 2:56 pm
Operator : GaryK
Sample : ic2393-2
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 07:33:28 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.420	65	42575	500.00	ug/kg	0.00
4) pentafluorobenzene	8.838	168	332879	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.685	114	507137	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.942	82	202713	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	228159	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.466	113	8477	2.43	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.86%#		
63) toluene-d8 (s)	11.479	98	29370	2.23	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.46%#		
87) bromofluorobenzene (s)	14.160	95	10974	2.39	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.78%#		
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.508	59	2417	19.21	ug/kg#	58
3) Ethanol	5.327	45	2488	222.26	ug/kg#	100
5) dichlorodifluoromethane	4.230	85	8886	2.09	ug/kg	100
6) chloromethane	4.461	50	8849	2.50	ug/kg	97
7) vinyl chloride	4.686	62	6027	1.97	ug/kg	97
8) bromomethane	5.178	96	6284	2.39	ug/kg	75
9) chloroethane	5.336	64	3436	1.90	ug/kg	97
10) dichlorofluoromethane	5.380	67	10910	2.02	ug/kg	100
11) ethyl ether	6.178	59	3784	1.93	ug/kg	98
13) trichlorofluoromethane	5.963	101	10795	1.97	ug/kg	77
14) freon-113	6.723	101	6394	2.12	ug/kg	90
15) acrolein	5.934	56	282m	3.31	ug/kg	
16) 1,1-dichloroethene	6.539	96	6282	2.30	ug/kg	79
17) acetone	6.057	43	880m	2.31	ug/kg	
18) Methyl Acetate	6.680	43	3829	1.83	ug/kg#	81
19) methylene chloride	6.674	84	6565	2.05	ug/kg	79
20) methyl tert butyl ether	7.441	73	11331	1.83	ug/kg	95
21) acrylonitrile	6.558	53	755m	1.28	ug/kg	
22) allyl chloride	6.762	41	8513	1.99	ug/kg	62
23) trans-1,2-dichloroethene	7.346	96	7293	2.16	ug/kg	93
24) iodomethane	6.582	142	11730	1.85	ug/kg	96
25) carbon disulfide	6.951	76	16886	1.96	ug/kg	97
26) propionitrile	7.571	54	104m	0.50	ug/kg	
27) vinyl acetate	7.684	43	6889	1.62	ug/kg	70
28) chloroprene	7.955	53	7377	1.66	ug/kg	76
29) di-isopropyl ether	8.004	45	17353	1.88	ug/kg	73
30) methacrylonitrile	8.090	41	1980m	1.78	ug/kg	
31) 2-butanone	7.991	72	143m	0.87	ug/kg	
32) Hexane	7.996	41	9330	2.10	ug/kg#	72
33) 1,1-dichloroethane	7.594	63	9869	1.91	ug/kg	93
34) tert-butyl ethyl ether	8.392	59	13797	1.76	ug/kg	87
35) isobutyl alcohol	8.398	43	2174	10.30	ug/kg#	47
36) 2,2-dichloropropane	8.455	77	8069	2.17	ug/kg	93
37) cis-1,2-dichloroethene	8.164	96	7844	2.11	ug/kg	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73676.D
Acq On : 3 Sep 2013 2:56 pm
Operator : GaryK
Sample : ic2393-2
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 07:33:28 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) ethyl acetate	8.398	43	2174	2.04	ug/kg#	24
39) bromochloromethane	8.316	128	3627	2.02	ug/kg	94
40) chloroform	8.355	83	10297	1.91	ug/kg	92
42) Tetrahydrofuran	8.679	42	885m	2.05	ug/kg	
43) 1,1,1-trichloroethane	9.116	97	9153	1.97	ug/kg	96
44) n-Butyl Alcohol	9.417	56	8180	46.35	ug/kg	95
46) Cyclohexane	9.417	56	8180	1.78	ug/kg#	81
47) carbon tetrachloride	9.475	117	8274	1.94	ug/kg	72
48) 1,1-dichloropropene	9.288	75	7794	1.77	ug/kg	94
49) benzene	9.486	78	23568	1.90	ug/kg	96
50) 1,2-dichloroethane	8.992	62	6999	1.72	ug/kg	98
51) tert-amyl methyl ether	9.647	73	16957	2.51	ug/kg	89
52) heptane	9.999	43	7296	1.73	ug/kg#	75
53) 2-Nitropropane	9.999	43	7296	1.73	ug/kg#	82
54) trichloroethene	10.123	95	6979	1.82	ug/kg	85
55) 1,2-dichloropropane	10.076	63	5984	1.88	ug/kg	84
56) dibromomethane	10.048	93	2936	1.79	ug/kg	83
57) bromodichloromethane	10.160	83	7844	1.86	ug/kg	96
58) Methylcyclohexane	10.659	83	7499	1.61	ug/kg	95
59) 2-chloroethyl vinyl ether	10.536	63	1990m	1.42	ug/kg	
60) methyl methacrylate	10.253	69	1620m	1.40	ug/kg	
62) cis-1,3-dichloropropene	10.787	75	8636	1.63	ug/kg	93
64) 4-methyl-2-pentanone	10.871	43	2162	1.40	ug/kg#	39
65) toluene	11.551	92	15691	1.84	ug/kg	91
66) trans-1,3-dichloropropene	11.199	75	6691	1.53	ug/kg	95
67) 1,1,2-trichloroethane	11.368	83	3704	1.80	ug/kg	89
68) ethyl methacrylate	11.574	69	3267	1.44	ug/kg	77
70) tetrachloroethene	12.308	166	7535	1.92	ug/kg	96
71) 1,3-dichloropropane	11.608	76	6938	1.93	ug/kg	100
72) dibromochloromethane	11.887	129	5610	1.69	ug/kg	87
73) 1,2-dibromoethane	12.136	107	4418	1.70	ug/kg	81
74) 2-hexanone	11.728	43	1290m	1.40	ug/kg	
75) chlorobenzene	12.976	112	20789	1.96	ug/kg	97
76) 1-chlorohexane	12.874	91	7082	1.58	ug/kg#	71
77) 1,1,1,2-tetrachloroethane	12.901	131	6973	1.82	ug/kg	84
78) ethylbenzene	13.147	91	27234	1.74	ug/kg	97
79) m,p-xylene	13.331	106	23304	3.61	ug/kg	97
80) o-xylene	13.743	106	11602	1.81	ug/kg	97
81) styrene	13.666	104	14030	1.37	ug/kg	96
82) bromoform	13.487	173	2908	1.81	ug/kg	84
83) cis-1,4-dichloro-2-butene	13.570	88	840m	1.05	ug/kg	
84) trans-1,4-dichloro-2-b...	13.895	53	824m	1.45	ug/kg	
86) isopropylbenzene	14.108	105	27087	1.61	ug/kg	100
88) bromobenzene	14.395	156	8271	1.72	ug/kg	89
89) 1,1,2,2-tetrachloroethane	13.752	83	4469	2.01	ug/kg	97
90) 1,2,3-trichloropropane	13.895	75	4307	1.73	ug/kg	90
91) n-propylbenzene	14.555	91	29829	1.61	ug/kg	97
92) 2-chlorotoluene	14.676	91	20189	1.76	ug/kg	99
93) 4-chlorotoluene	14.753	91	19963	1.71	ug/kg	99
94) 1,3,5-trimethylbenzene	14.826	105	22769	1.70	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73676.D
Acq On : 3 Sep 2013 2:56 pm
Operator : GaryK
Sample : ic2393-2
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 07:33:28 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration

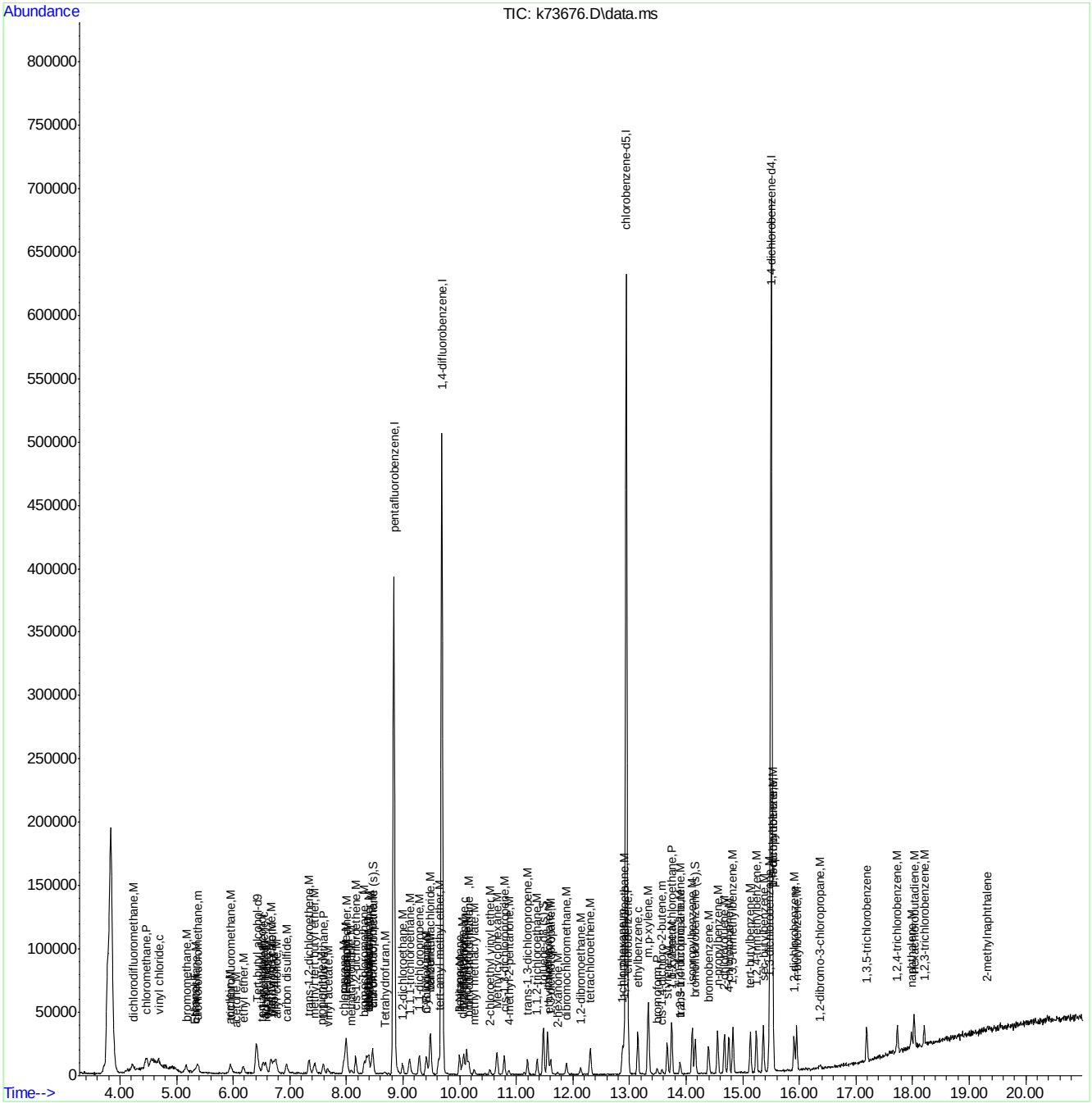
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	tert-butylbenzene	15.134	91	12173	1.64	ug/kg	91
96)	1,2,4-trimethylbenzene	15.238	105	21708	1.60	ug/kg	96
97)	sec-butylbenzene	15.362	105	28216	1.67	ug/kg	92
98)	1,3-dichlorobenzene	15.466	146	17911	1.93	ug/kg	92
99)	p-isopropyltoluene	15.529	119	24459	1.86	ug/kg	98
100)	1,4-dichlorobenzene	15.528	146	16437	1.91	ug/kg	89
101)	1,2-dichlorobenzene	15.907	146	14711	1.76	ug/kg	90
102)	n-butylbenzene	15.951	91	20641	1.68	ug/kg	99
103)	1,2-dibromo-3-chloropr...	16.369	75	577m	1.77	ug/kg	
104)	1,3,5-trichlorobenzene	17.189	180	10562	1.79	ug/kg	95
105)	1,2,4-trichlorobenzene	17.730	180	8033	1.72	ug/kg	88
106)	hexachlorobutadiene	18.026	225	6172	2.50	ug/kg	99
107)	naphthalene	17.979	128	11789	1.64	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	5935	1.76	ug/kg	87
109)	2-methylnaphthalene	19.323	142	1930m	0.81	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73676.D
Acq On : 3 Sep 2013 2:56 pm
Operator : GaryK
Sample : ic2393-2
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 07:33:28 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/04/13 09:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73677.D
Acq On : 3 Sep 2013 3:24 pm
Operator : GaryK
Sample : ic2393-5
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 07:42:15 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:13:09 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.420	65	38996	500.00	ug/kg	0.00
4) pentafluorobenzene	8.839	168	329924	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.686	114	500025	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.942	82	201000	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	222041	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.468	113	19273	5.56	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 11.12%#			
63) toluene-d8 (s)	11.479	98	66590	5.12	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.24%#			
87) bromofluorobenzene (s)	14.161	95	23605	5.29	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.58%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.509	59	5963	51.74	ug/kg#	58
3) Ethanol	5.333	45	5762	561.96	ug/kg#	100
5) dichlorodifluoromethane	4.234	85	21825	5.19	ug/kg	92
6) chloromethane	4.452	50	20107	5.72	ug/kg	96
7) vinyl chloride	4.692	62	16414	5.42	ug/kg	92
8) bromomethane	5.181	96	14775	5.68	ug/kg	96
9) chloroethane	5.339	64	9565	5.33	ug/kg	93
10) dichlorofluoromethane	5.384	67	28776	5.37	ug/kg	100
11) ethyl ether	6.181	59	9307	4.79	ug/kg	87
12) acetonitrile	6.509	41	1565m	5.63	ug/kg	
13) trichlorofluoromethane	5.966	101	28887	5.33	ug/kg	98
14) freon-113	6.729	101	15663	5.24	ug/kg	96
15) acrolein	5.933	56	2191	25.95	ug/kg	95
16) 1,1-dichloroethene	6.544	96	14909	5.50	ug/kg	83
17) acetone	6.061	43	2073m	5.58	ug/kg	
18) Methyl Acetate	6.679	43	11214	5.40	ug/kg#	88
19) methylene chloride	6.679	84	17650	5.57	ug/kg#	65
20) methyl tert butyl ether	7.445	73	30795	5.00	ug/kg	88
21) acrylonitrile	6.562	53	2735	4.66	ug/kg	81
22) allyl chloride	6.765	41	22797	5.21	ug/kg	84
23) trans-1,2-dichloroethene	7.349	96	17998	5.38	ug/kg	95
24) iodomethane	6.588	142	31404	4.99	ug/kg	93
25) carbon disulfide	6.960	76	46141	5.35	ug/kg	96
26) propionitrile	7.578	54	690m	3.32	ug/kg	
27) vinyl acetate	7.679	43	19294	4.58	ug/kg	86
28) chloroprene	7.957	53	20568	4.67	ug/kg	78
29) di-isopropyl ether	8.005	45	49253	5.38	ug/kg	85
30) methacrylonitrile	8.091	41	6231	5.64	ug/kg	85
31) 2-butanone	7.998	72	607m	3.73	ug/kg	
32) Hexane	7.996	41	25827	5.88	ug/kg#	78
33) 1,1-dichloroethane	7.596	63	26186	5.13	ug/kg	97
34) tert-butyl ethyl ether	8.393	59	38777	5.00	ug/kg	88
35) isobutyl alcohol	8.399	43	6039	28.87	ug/kg#	62
36) 2,2-dichloropropane	8.456	77	20768	5.64	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73677.D
Acq On : 3 Sep 2013 3:24 pm
Operator : GaryK
Sample : ic2393-5
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 07:42:15 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:13:09 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.167	96	20065	5.43	ug/kg	95
38) ethyl acetate	8.398	43	6152	5.79	ug/kg	91
39) bromochloromethane	8.318	128	9634	5.42	ug/kg	86
40) chloroform	8.356	83	28985	5.43	ug/kg	97
42) Tetrahydrofuran	8.681	42	2243	5.24	ug/kg	82
43) 1,1,1-trichloroethane	9.119	97	23424	5.17	ug/kg	99
44) n-Butyl Alcohol	9.420	56	21547	123.19	ug/kg	92
46) Cyclohexane	9.420	56	21547	4.77	ug/kg	89
47) carbon tetrachloride	9.478	117	20704	4.93	ug/kg	95
48) 1,1-dichloropropene	9.288	75	20587	4.75	ug/kg	95
49) benzene	9.486	78	63784	5.23	ug/kg	97
50) 1,2-dichloroethane	8.993	62	20362	5.08	ug/kg	92
51) tert-amyl methyl ether	9.639	73	35607	5.38	ug/kg	91
52) heptane	9.999	43	19620	4.71	ug/kg	78
53) 2-Nitropropane	9.999	43	19620	4.71	ug/kg	90
54) trichloroethene	10.122	95	19666	5.21	ug/kg	95
55) 1,2-dichloropropane	10.076	63	15932	5.05	ug/kg	99
56) dibromomethane	10.049	93	8493	5.25	ug/kg	99
57) bromodichloromethane	10.161	83	19966	4.80	ug/kg	95
58) Methylcyclohexane	10.661	83	21453	4.67	ug/kg#	88
59) 2-chloroethyl vinyl ether	10.535	63	5587	4.06	ug/kg#	42
60) methyl methacrylate	10.255	69	4922	4.32	ug/kg	83
62) cis-1,3-dichloropropene	10.787	75	24837	4.75	ug/kg	95
64) 4-methyl-2-pentanone	10.869	43	7176	4.72	ug/kg#	72
65) toluene	11.551	92	42524	5.06	ug/kg	95
66) trans-1,3-dichloropropene	11.198	75	18897	4.40	ug/kg	96
67) 1,1,2-trichloroethane	11.369	83	10232	5.05	ug/kg	98
68) ethyl methacrylate	11.574	69	9742	4.35	ug/kg#	66
70) tetrachloroethene	12.308	166	20133	5.16	ug/kg	98
71) 1,3-dichloropropane	11.608	76	19852	5.57	ug/kg	96
72) dibromochloromethane	11.888	129	15559	4.72	ug/kg	92
73) 1,2-dibromoethane	12.137	107	12938	5.01	ug/kg	99
74) 2-hexanone	11.728	43	3725	4.09	ug/kg#	56
75) chlorobenzene	12.977	112	56840	5.42	ug/kg	96
76) 1-chlorohexane	12.874	91	19589	4.40	ug/kg#	73
77) 1,1,1,2-tetrachloroethane	12.902	131	19962	5.26	ug/kg	99
78) ethylbenzene	13.148	91	77265	4.98	ug/kg	93
79) m,p-xylene	13.331	106	66357	10.35	ug/kg	87
80) o-xylene	13.743	106	32921	5.17	ug/kg	96
81) styrene	13.667	104	43227	4.27	ug/kg	95
82) bromoform	13.487	173	7300	4.59	ug/kg	97
83) cis-1,4-dichloro-2-butene	13.575	88	3188	4.03	ug/kg#	82
84) trans-1,4-dichloro-2-b...	13.895	53	2828	5.01	ug/kg#	71
86) isopropylbenzene	14.109	105	76702	4.69	ug/kg	98
88) bromobenzene	14.395	156	22950	4.91	ug/kg	98
89) 1,1,2,2-tetrachloroethane	13.752	83	11897	5.51	ug/kg	96
90) 1,2,3-trichloropropane	13.895	75	12061	4.97	ug/kg	93
91) n-propylbenzene	14.556	91	84281	4.66	ug/kg	99
92) 2-chlorotoluene	14.676	91	56888	5.12	ug/kg	100
93) 4-chlorotoluene	14.753	91	57603	5.07	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73677.D
Acq On : 3 Sep 2013 3:24 pm
Operator : GaryK
Sample : ic2393-5
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 07:42:15 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:13:09 2013
Response via : Initial Calibration

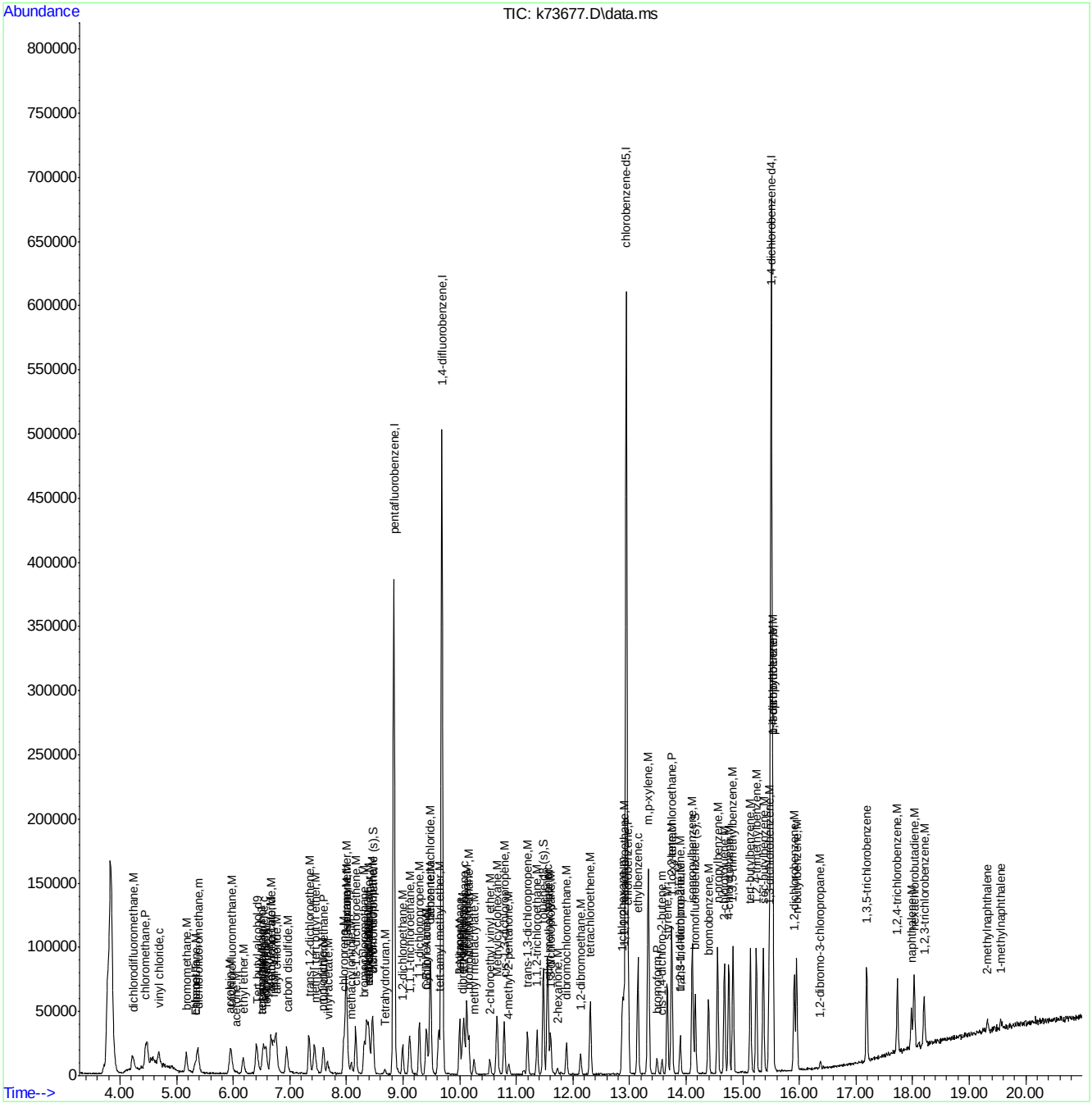
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	1,3,5-trimethylbenzene	14.827	105	64578	4.94	ug/kg	94
95)	tert-butylbenzene	15.134	91	35134	4.87	ug/kg	92
96)	1,2,4-trimethylbenzene	15.238	105	63537	4.80	ug/kg	96
97)	sec-butylbenzene	15.363	105	80100	4.88	ug/kg	100
98)	1,3-dichlorobenzene	15.467	146	46136	5.12	ug/kg	98
99)	p-isopropyltoluene	15.530	119	64158	5.02	ug/kg	97
100)	1,4-dichlorobenzene	15.529	146	44219	5.27	ug/kg	100
101)	1,2-dichlorobenzene	15.908	146	41190	5.07	ug/kg	91
102)	n-butylbenzene	15.951	91	56256	4.71	ug/kg	99
103)	1,2-dibromo-3-chloropr...	16.369	75	1651m	5.21	ug/kg	
104)	1,3,5-trichlorobenzene	17.189	180	27566	4.80	ug/kg	98
105)	1,2,4-trichlorobenzene	17.730	180	21438	4.71	ug/kg	94
106)	hexachlorobutadiene	18.026	225	13444	5.59	ug/kg	86
107)	naphthalene	17.979	128	31055	4.44	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	15222	4.63	ug/kg	97
109)	2-methylnaphthalene	19.323	142	5101m	3.20	ug/kg	
110)	1-methylnaphthalene	19.556	TIC	8019m	19.98	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73677.D
Acq On : 3 Sep 2013 3:24 pm
Operator : GaryK
Sample : ic2393-5
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 07:42:15 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:13:09 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/04/13 09:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73678.D
Acq On : 3 Sep 2013 3:52 pm
Operator : GaryK
Sample : ic2393-25
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 07:35:45 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.421	65	40147	500.00	ug/kg	0.00
4) pentafluorobenzene	8.839	168	330570	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.686	114	491002	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.942	82	206256	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	224365	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.468	113	82241	23.74	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 47.48%#			
63) toluene-d8 (s)	11.478	98	305158	23.91	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 47.82%#			
87) bromofluorobenzene (s)	14.160	95	105882	23.47	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 46.94%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.510	59	29501	248.62	ug/kg	86
3) Ethanol	5.345	45	27269	2583.36	ug/kg#	100
5) dichlorodifluoromethane	4.242	85	107001	25.36	ug/kg	93
6) chloromethane	4.458	50	86445	24.62	ug/kg	99
7) vinyl chloride	4.698	62	76253	25.11	ug/kg	98
8) bromomethane	5.180	96	62347	23.90	ug/kg	95
9) chloroethane	5.342	64	44970	24.99	ug/kg	90
10) dichlorofluoromethane	5.387	67	136953	25.51	ug/kg	100
11) ethyl ether	6.181	59	47214	24.28	ug/kg	90
12) acetonitrile	6.511	41	7414	26.62	ug/kg	83
13) trichlorofluoromethane	5.970	101	142212	26.17	ug/kg	99
14) freon-113	6.735	101	80026	26.70	ug/kg	94
15) acrolein	5.933	56	10994	129.94	ug/kg	95
16) 1,1-dichloroethene	6.551	96	71542	26.32	ug/kg	90
17) acetone	6.060	43	9347	24.74	ug/kg	87
18) Methyl Acetate	6.675	43	52725	25.37	ug/kg	92
19) methylene chloride	6.681	84	78769	24.80	ug/kg	82
20) methyl tert butyl ether	7.446	73	148972	24.19	ug/kg	95
21) acrylonitrile	6.557	53	14407	24.52	ug/kg	85
22) allyl chloride	6.768	41	108851	25.65	ug/kg	79
23) trans-1,2-dichloroethene	7.353	96	83912	25.02	ug/kg	93
24) iodomethane	6.593	142	154851	24.56	ug/kg	100
25) carbon disulfide	6.964	76	217205	25.42	ug/kg	97
26) propionitrile	7.575	54	5258	25.21	ug/kg	100
27) vinyl acetate	7.667	43	94825	22.46	ug/kg	87
28) chloroprene	7.960	53	109440	24.79	ug/kg	82
29) di-isopropyl ether	8.006	45	229284	25.00	ug/kg	82
30) methacrylonitrile	8.087	41	29775m	26.91	ug/kg	
31) 2-butanone	7.987	72	4152	25.46	ug/kg#	1
32) Hexane	7.995	41	115959	26.33	ug/kg#	78
33) 1,1-dichloroethane	7.600	63	125605	24.51	ug/kg	95
34) tert-butyl ethyl ether	8.394	59	190122	24.45	ug/kg	95
35) isobutyl alcohol	8.398	43	26740	127.56	ug/kg	89
36) 2,2-dichloropropane	8.457	77	92764	25.15	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73678.D
Acq On : 3 Sep 2013 3:52 pm
Operator : GaryK
Sample : ic2393-25
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 07:35:45 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.170	96	91456	24.83	ug/kg	89
38) ethyl acetate	8.397	43	26830	25.30	ug/kg	82
39) bromochloromethane	8.318	128	43734	24.56	ug/kg	89
40) chloroform	8.358	83	133556	24.92	ug/kg	100
42) Tetrahydrofuran	8.678	42	10407	24.26	ug/kg	62
43) 1,1,1-trichloroethane	9.122	97	114448	24.84	ug/kg	99
44) n-Butyl Alcohol	9.423	56	111378	635.48	ug/kg	89
46) Cyclohexane	9.423	56	111378	25.08	ug/kg	91
47) carbon tetrachloride	9.481	117	103236	25.03	ug/kg	99
48) 1,1-dichloropropene	9.289	75	103591	24.36	ug/kg	96
49) benzene	9.486	78	296205	24.70	ug/kg	99
50) 1,2-dichloroethane	8.993	62	95118	24.18	ug/kg	96
51) tert-amyl methyl ether	9.634	73	157025	24.05	ug/kg	90
52) heptane	9.999	43	102035	24.96	ug/kg	80
53) 2-Nitropropane	9.999	43	102035	24.96	ug/kg	95
54) trichloroethene	10.123	95	92617	24.96	ug/kg	99
55) 1,2-dichloropropane	10.076	63	77587	25.14	ug/kg	96
56) dibromomethane	10.049	93	38813	24.44	ug/kg	98
57) bromodichloromethane	10.161	83	99923	24.46	ug/kg	97
58) Methylcyclohexane	10.662	83	113048	24.99	ug/kg	91
59) 2-chloroethyl vinyl ether	10.533	63	31057	22.96	ug/kg	96
60) methyl methacrylate	10.252	69	26424	23.60	ug/kg#	62
61) 1,4-dioxane	10.243	88	1037m	135.13	ug/kg	
62) cis-1,3-dichloropropene	10.786	75	122951	23.95	ug/kg	100
64) 4-methyl-2-pentanone	10.866	43	35942	24.09	ug/kg	86
65) toluene	11.550	92	203091	24.59	ug/kg	93
66) trans-1,3-dichloropropene	11.197	75	98955	23.44	ug/kg	97
67) 1,1,2-trichloroethane	11.368	83	49040	24.63	ug/kg	94
68) ethyl methacrylate	11.570	69	52101	23.71	ug/kg	79
70) tetrachloroethene	12.307	166	99982	24.98	ug/kg	99
71) 1,3-dichloropropane	11.607	76	89413	24.44	ug/kg	95
72) dibromochloromethane	11.887	129	79436	23.48	ug/kg	100
73) 1,2-dibromoethane	12.136	107	63429	23.95	ug/kg	96
74) 2-hexanone	11.725	43	22098	23.62	ug/kg	94
75) chlorobenzene	12.976	112	263202	24.45	ug/kg	97
76) 1-chlorohexane	12.873	91	108756	23.80	ug/kg#	81
77) 1,1,1,2-tetrachloroethane	12.902	131	94502	24.27	ug/kg	99
78) ethylbenzene	13.147	91	384697	24.14	ug/kg	97
79) m,p-xylene	13.330	106	329550	50.11	ug/kg	96
80) o-xylene	13.743	106	162532	24.88	ug/kg	93
81) styrene	13.666	104	241765	23.25	ug/kg	96
82) bromoform	13.487	173	38245	23.46	ug/kg	96
83) cis-1,4-dichloro-2-butene	13.574	88	17869	22.00	ug/kg	85
84) trans-1,4-dichloro-2-b...	13.895	53	13790	23.78	ug/kg#	80
86) isopropylbenzene	14.108	105	402378	24.37	ug/kg	99
88) bromobenzene	14.395	156	113065	23.94	ug/kg	94
89) 1,1,2,2-tetrachloroethane	13.752	83	53690	24.61	ug/kg	94
90) 1,2,3-trichloropropane	13.895	75	59669	24.36	ug/kg	99
91) n-propylbenzene	14.555	91	447374	24.49	ug/kg	100
92) 2-chlorotoluene	14.676	91	278006	24.63	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73678.D
Acq On : 3 Sep 2013 3:52 pm
Operator : GaryK
Sample : ic2393-25
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 07:35:45 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration

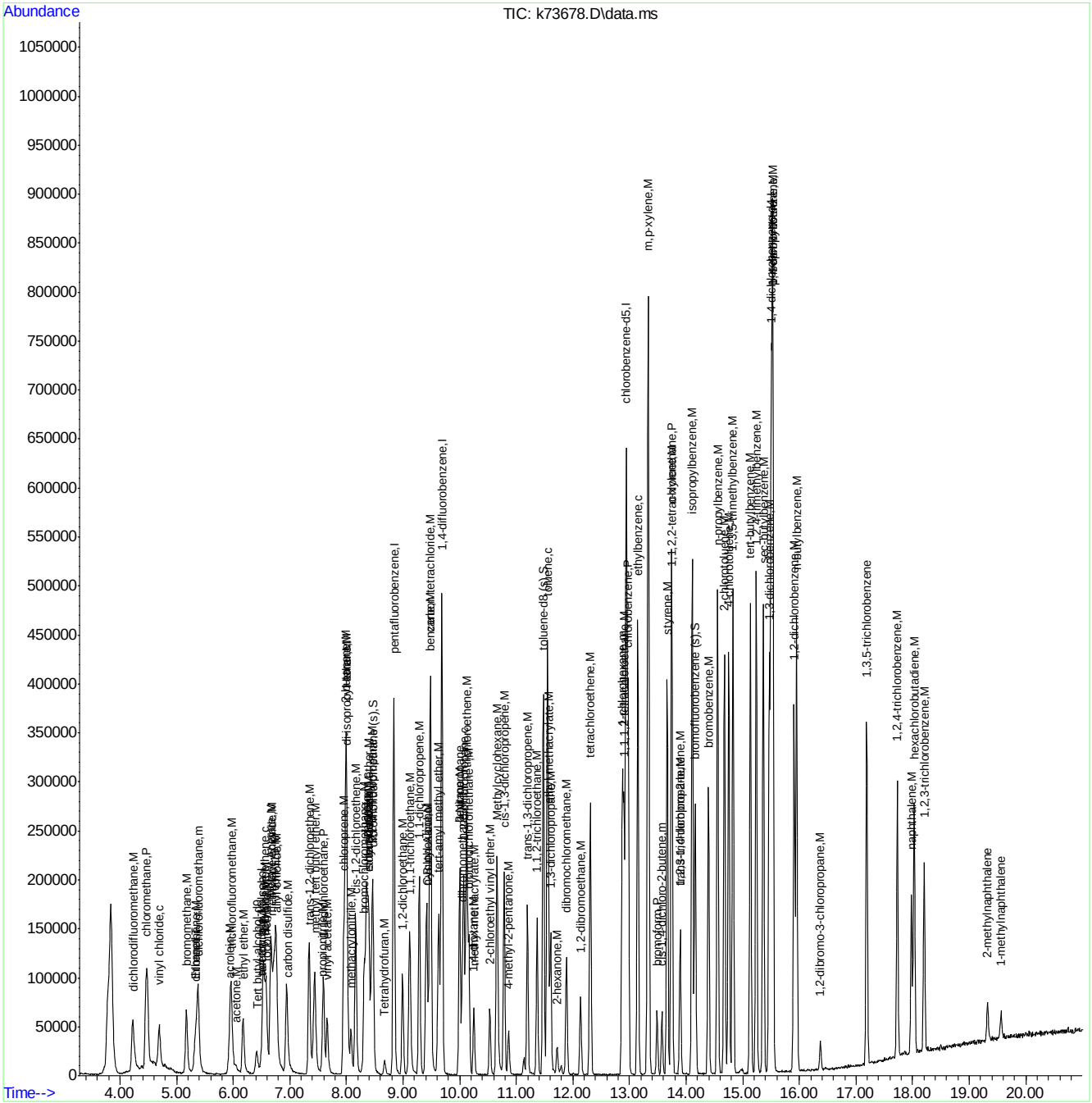
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.753	91	282180	24.59	ug/kg	98
94)	1,3,5-trimethylbenzene	14.826	105	324496	24.58	ug/kg	99
95)	tert-butylbenzene	15.134	91	178669	24.53	ug/kg	93
96)	1,2,4-trimethylbenzene	15.238	105	325458	24.34	ug/kg	99
97)	sec-butylbenzene	15.362	105	408779	24.65	ug/kg	98
98)	1,3-dichlorobenzene	15.467	146	221786	24.34	ug/kg	97
99)	p-isopropyltoluene	15.530	119	315429	24.42	ug/kg	98
100)	1,4-dichlorobenzene	15.529	146	209723	24.75	ug/kg	97
101)	1,2-dichlorobenzene	15.908	146	197152	24.00	ug/kg	98
102)	n-butylbenzene	15.951	91	294140	24.36	ug/kg	99
103)	1,2-dibromo-3-chloropr...	16.370	75	7452	23.27	ug/kg	87
104)	1,3,5-trichlorobenzene	17.189	180	136834	23.58	ug/kg	98
105)	1,2,4-trichlorobenzene	17.730	180	106822	23.23	ug/kg	98
106)	hexachlorobutadiene	18.027	225	59545	24.50	ug/kg	92
107)	naphthalene	17.979	128	162278	22.98	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	77306	23.26	ug/kg	98
109)	2-methylnaphthalene	19.323	142	24779	10.61	ug/kg#	93
110)	1-methylnaphthalene	19.559	TIC	64699m	12.04	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73678.D
Acq On : 3 Sep 2013 3:52 pm
Operator : GaryK
Sample : ic2393-25
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 07:35:45 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/04/13 09:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73679.D
Acq On : 3 Sep 2013 4:19 pm
Operator : GaryK
Sample : icc2393-50
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 04 07:36:08 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.418	65	38465	500.00	ug/kg	0.00
4) pentafluorobenzene	8.839	168	321539	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.685	114	471178	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.940	82	197014	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	214170	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.467	113	168504	50.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.00%			
63) toluene-d8 (s)	11.478	98	612254	50.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.00%			
87) bromofluorobenzene (s)	14.160	95	215282	50.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.00%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.508	59	56844	500.00	ug/kg	89
3) Ethanol	5.347	45	50567	5000.00	ug/kg#	100
5) dichlorodifluoromethane	4.237	85	205198	50.00	ug/kg	97
6) chloromethane	4.456	50	170773	50.00	ug/kg	100
7) vinyl chloride	4.696	62	147712	50.00	ug/kg	97
8) bromomethane	5.181	96	126862	50.00	ug/kg	93
9) chloroethane	5.342	64	87510	50.00	ug/kg	98
10) dichlorofluoromethane	5.386	67	261063	50.00	ug/kg	100
11) ethyl ether	6.179	59	94583	50.00	ug/kg	90
12) acetonitrile	6.510	41	13545	50.00	ug/kg	91
13) trichlorofluoromethane	5.970	101	264303	50.00	ug/kg	98
14) freon-113	6.736	101	145775	50.00	ug/kg	85
15) acrolein	5.927	56	20574	250.00	ug/kg	95
16) 1,1-dichloroethene	6.543	96	132174	50.00	ug/kg	95
17) acetone	6.054	43	18371	50.00	ug/kg	92
18) Methyl Acetate	6.670	43	101065	50.00	ug/kg	92
19) methylene chloride	6.679	84	154464	50.00	ug/kg	82
20) methyl tert butyl ether	7.443	73	299516	50.00	ug/kg	96
21) acrylonitrile	6.549	53	28574	50.00	ug/kg	100
22) allyl chloride	6.768	41	213180	51.65	ug/kg	80
23) trans-1,2-dichloroethene	7.347	96	163098	50.00	ug/kg	90
24) iodomethane	6.592	142	306626	50.00	ug/kg	96
25) carbon disulfide	6.963	76	419879	50.53	ug/kg	98
26) propionitrile	7.570	54	10143	50.00	ug/kg	100
27) vinyl acetate	7.663	43	205321	50.00	ug/kg	93
28) chloroprene	7.957	53	214728	50.00	ug/kg	82
29) di-isopropyl ether	8.005	45	445963	50.00	ug/kg	85
30) methacrylonitrile	8.082	41	53808	50.00	ug/kg	87
31) 2-butanone	7.985	72	7932	50.00	ug/kg#	1
32) Hexane	7.994	41	214156	50.00	ug/kg#	78
33) 1,1-dichloroethane	7.598	63	249202	50.00	ug/kg	97
34) tert-butyl ethyl ether	8.393	59	378240	50.00	ug/kg	96
35) isobutyl alcohol	8.396	43	50976	250.00	ug/kg	78
36) 2,2-dichloropropane	8.457	77	179408	50.00	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73679.D
Acq On : 3 Sep 2013 4:19 pm
Operator : GaryK
Sample : icc2393-50
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 04 07:36:08 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.166	96	178328	49.77	ug/kg	90
38) ethyl acetate	8.397	43	51582	50.00	ug/kg	86
39) bromochloromethane	8.317	128	86610	50.00	ug/kg	92
40) chloroform	8.357	83	260674	50.00	ug/kg	100
42) Tetrahydrofuran	8.677	42	20859	50.00	ug/kg	84
43) 1,1,1-trichloroethane	9.121	97	220841	49.28	ug/kg	97
44) n-Butyl Alcohol	9.422	56	213097	1250.00	ug/kg	88
46) Cyclohexane	9.422	56	213097	50.00	ug/kg	88
47) carbon tetrachloride	9.481	117	197903	50.00	ug/kg	99
48) 1,1-dichloropropene	9.288	75	204014	50.00	ug/kg	98
49) benzene	9.486	78	575364	50.00	ug/kg	99
50) 1,2-dichloroethane	8.992	62	188769	50.00	ug/kg	92
51) tert-amyl methyl ether	9.632	73	313231	50.00	ug/kg	93
52) heptane	9.998	43	196180	50.00	ug/kg	83
53) 2-Nitropropane	9.998	43	196180	50.00	ug/kg	97
54) trichloroethene	10.122	95	178006	50.00	ug/kg	97
55) 1,2-dichloropropane	10.075	63	148108	50.00	ug/kg	98
56) dibromomethane	10.048	93	76206	50.00	ug/kg	99
57) bromodichloromethane	10.160	83	195976	50.00	ug/kg	98
58) Methylcyclohexane	10.663	83	217031	50.00	ug/kg	91
59) 2-chloroethyl vinyl ether	10.532	63	64897	50.00	ug/kg	99
60) methyl methacrylate	10.251	69	53732	50.00	ug/kg#	74
61) 1,4-dioxane	10.243	88	1841m	250.00	ug/kg	
62) cis-1,3-dichloropropene	10.786	75	246360	50.00	ug/kg	97
64) 4-methyl-2-pentanone	10.865	43	71579	50.00	ug/kg	88
65) toluene	11.550	92	396317	50.00	ug/kg	99
66) trans-1,3-dichloropropene	11.197	75	202546	50.00	ug/kg	99
67) 1,1,2-trichloroethane	11.368	83	95520	50.00	ug/kg	98
68) ethyl methacrylate	11.570	69	105451	50.00	ug/kg	78
70) tetrachloroethene	12.308	166	191120	50.00	ug/kg	99
71) 1,3-dichloropropane	11.607	76	174698	50.00	ug/kg	99
72) dibromochloromethane	11.887	129	161597	50.00	ug/kg	99
73) 1,2-dibromoethane	12.136	107	126501	50.00	ug/kg	99
74) 2-hexanone	11.721	43	44689	50.00	ug/kg	94
75) chlorobenzene	12.976	112	514130	50.00	ug/kg	98
76) 1-chlorohexane	12.873	91	218244	50.00	ug/kg#	82
77) 1,1,1,2-tetrachloroethane	12.902	131	185945	50.00	ug/kg	97
78) ethylbenzene	13.147	91	761035	50.00	ug/kg	96
79) m,p-xylene	13.330	106	628125	100.00	ug/kg	95
80) o-xylene	13.743	106	311942	50.00	ug/kg	98
81) styrene	13.665	104	496584	50.00	ug/kg	99
82) bromoform	13.487	173	77864	50.00	ug/kg	98
83) cis-1,4-dichloro-2-butene	13.573	88	38794	50.00	ug/kg	85
84) trans-1,4-dichloro-2-b...	13.893	53	27690	50.00	ug/kg#	77
86) isopropylbenzene	14.108	105	787950	50.00	ug/kg	99
88) bromobenzene	14.395	156	225396	50.00	ug/kg	96
89) 1,1,2,2-tetrachloroethane	13.752	83	104121	50.00	ug/kg	99
90) 1,2,3-trichloropropane	13.894	75	116921	50.00	ug/kg	100
91) n-propylbenzene	14.555	91	872052	50.00	ug/kg	100
92) 2-chlorotoluene	14.676	91	535876	49.74	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73679.D
Acq On : 3 Sep 2013 4:19 pm
Operator : GaryK
Sample : icc2393-50
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 04 07:36:08 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration

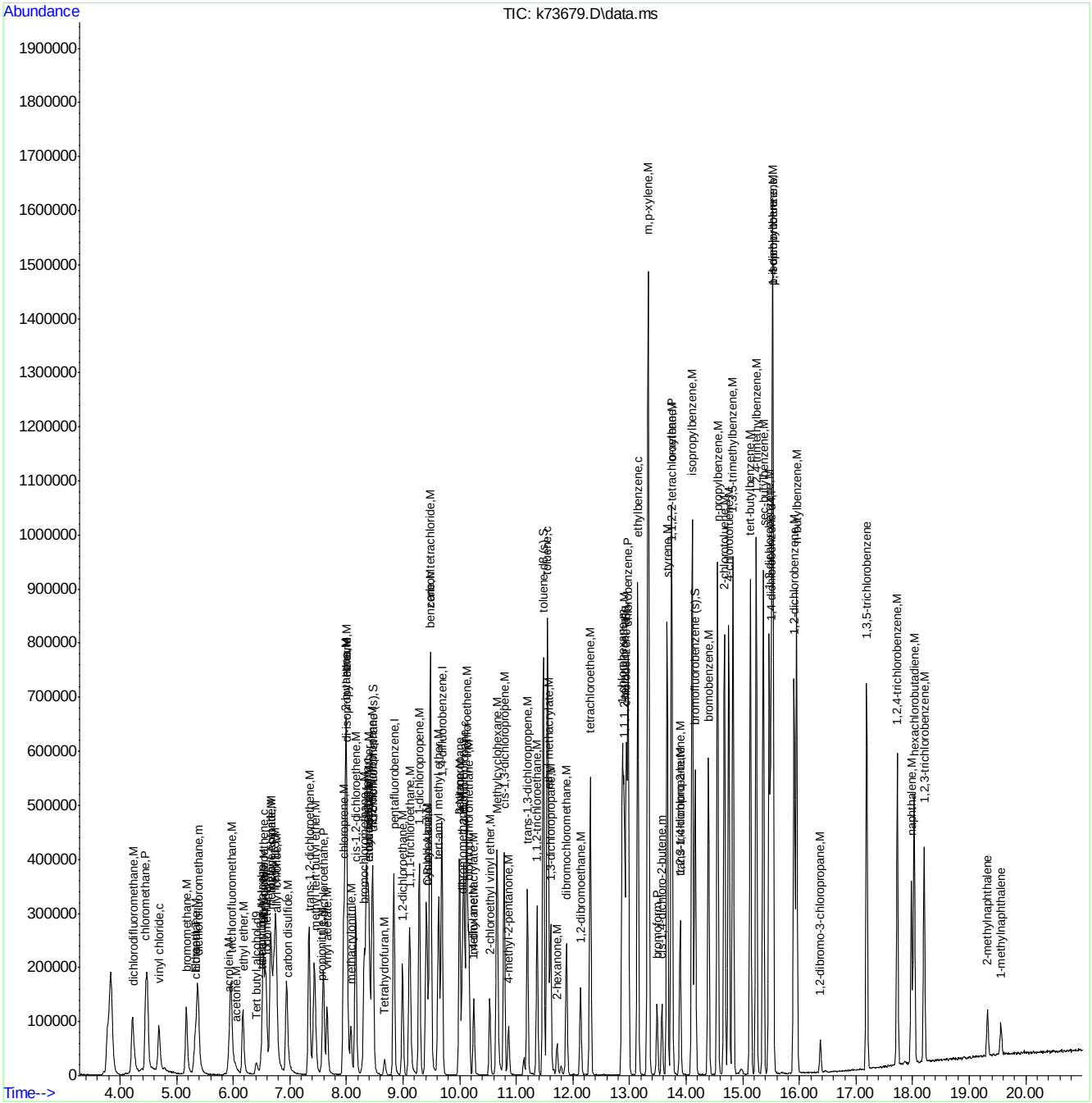
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.752	91	547793	50.00	ug/kg	97
94)	1,3,5-trimethylbenzene	14.826	105	630113	50.00	ug/kg	98
95)	tert-butylbenzene	15.134	91	347646	50.00	ug/kg	100
96)	1,2,4-trimethylbenzene	15.238	105	638180	50.00	ug/kg	99
97)	sec-butylbenzene	15.362	105	791472	50.00	ug/kg	100
98)	1,3-dichlorobenzene	15.466	146	434892	50.00	ug/kg	99
99)	p-isopropyltoluene	15.529	119	616395	50.00	ug/kg	98
100)	1,4-dichlorobenzene	15.528	146	404482	50.00	ug/kg	99
101)	1,2-dichlorobenzene	15.907	146	391990	50.00	ug/kg	97
102)	n-butylbenzene	15.950	91	576275	50.00	ug/kg	100
103)	1,2-dibromo-3-chloropr...	16.370	75	15286	50.00	ug/kg	93
104)	1,3,5-trichlorobenzene	17.189	180	276919	50.00	ug/kg	97
105)	1,2,4-trichlorobenzene	17.729	180	219446	50.00	ug/kg	94
106)	hexachlorobutadiene	18.026	225	116022	50.00	ug/kg	93
107)	naphthalene	17.979	128	337086	50.00	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	158633	50.00	ug/kg	96
109)	2-methylnaphthalene	19.322	142	55781	25.02	ug/kg	100
110)	1-methylnaphthalene	19.559	TIC	130186m	25.38	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73679.D
Acq On : 3 Sep 2013 4:19 pm
Operator : GaryK
Sample : icc2393-50
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 04 07:36:08 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/04/13 09:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73680.D
Acq On : 3 Sep 2013 4:46 pm
Operator : GaryK
Sample : ic2393-100
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 07:37:40 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.419	65	39107	500.00	ug/kg	0.00
4) pentafluorobenzene	8.840	168	325677	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.686	114	467388	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.940	82	200810	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	207946	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.469	113	323242	94.70	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 189.40%#			
63) toluene-d8 (s)	11.478	98	1192803	98.20	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 196.40%#			
87) bromofluorobenzene (s)	14.160	95	422716	101.12	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 202.24%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.507	59	112020	969.15	ug/kg	90
3) Ethanol	5.359	45	96202m	9356.17	ug/kg	
5) dichlorodifluoromethane	4.239	85	401798	96.66	ug/kg	97
6) chloromethane	4.464	50	291721	84.33	ug/kg	99
7) vinyl chloride	4.701	62	284982	95.24	ug/kg	96
8) bromomethane	5.184	96	237391	92.37	ug/kg	97
9) chloroethane	5.344	64	163055	91.98	ug/kg	98
10) dichlorofluoromethane	5.388	67	485781	91.86	ug/kg	100
11) ethyl ether	6.182	59	185087	96.60	ug/kg	89
12) acetonitrile	6.509	41	26294m	95.83	ug/kg	
13) trichlorofluoromethane	5.971	101	521972	97.49	ug/kg	98
14) freon-113	6.738	101	282516	95.67	ug/kg	93
15) acrolein	5.929	56	44714	536.43	ug/kg	100
16) 1,1-dichloroethene	6.548	96	259807	97.03	ug/kg	96
17) acetone	6.053	43	37386	100.46	ug/kg	94
18) Methyl Acetate	6.669	43	194157	94.84	ug/kg#	89
19) methylene chloride	6.685	84	283727	90.68	ug/kg	82
20) methyl tert butyl ether	7.448	73	581716	95.88	ug/kg	93
21) acrylonitrile	6.550	53	57027	98.52	ug/kg	91
22) allyl chloride	6.770	41	385855	92.31	ug/kg	80
23) trans-1,2-dichloroethene	7.352	96	312679	94.64	ug/kg	93
24) iodomethane	6.595	142	570085	91.78	ug/kg	99
25) carbon disulfide	6.964	76	799185m	94.95	ug/kg	
26) propionitrile	7.567	54	20635	100.43	ug/kg	100
27) vinyl acetate	7.662	43	429330	103.22	ug/kg	93
28) chloroprene	7.960	53	426093	97.96	ug/kg	86
29) di-isopropyl ether	8.007	45	812535	89.94	ug/kg	85
30) methacrylonitrile	8.087	41	113702m	104.31	ug/kg	
31) 2-butanone	7.983	72	16102	100.21	ug/kg#	1
32) Hexane	7.995	41	406330	93.66	ug/kg#	79
33) 1,1-dichloroethane	7.602	63	461468	91.41	ug/kg	94
34) tert-butyl ethyl ether	8.395	59	707185	92.30	ug/kg	96
35) isobutyl alcohol	8.398	43	93512	452.78	ug/kg	87
36) 2,2-dichloropropane	8.459	77	341381	93.93	ug/kg	97

7.6.6
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73680.D
Acq On : 3 Sep 2013 4:46 pm
Operator : GaryK
Sample : ic2393-100
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 07:37:40 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.169	96	339231	93.47	ug/kg	93
38) ethyl acetate	8.399	43	93645	89.62	ug/kg	89
39) bromochloromethane	8.319	128	164267	93.63	ug/kg	90
40) chloroform	8.359	83	477700	90.46	ug/kg	100
42) Tetrahydrofuran	8.677	42	41315	97.78	ug/kg	77
43) 1,1,1-trichloroethane	9.126	97	429699	94.67	ug/kg	98
44) n-Butyl Alcohol	9.424	56	415565	2406.68	ug/kg	88
46) Cyclohexane	9.424	56	415565	98.30	ug/kg	88
47) carbon tetrachloride	9.483	117	378464	96.39	ug/kg	99
48) 1,1-dichloropropene	9.289	75	399182	98.63	ug/kg	98
49) benzene	9.487	78	1061148	92.96	ug/kg	99
50) 1,2-dichloroethane	8.993	62	369613	98.69	ug/kg	92
51) tert-amyl methyl ether	9.632	73	609464	98.08	ug/kg	91
52) heptane	9.999	43	403229	103.60	ug/kg	82
53) 2-Nitropropane	9.999	43	403229	103.60	ug/kg	98
54) trichloroethene	10.123	95	332851	94.25	ug/kg	96
55) 1,2-dichloropropane	10.076	63	278944	94.93	ug/kg	98
56) dibromomethane	10.049	93	146571	96.95	ug/kg	96
57) bromodichloromethane	10.161	83	378154	97.26	ug/kg	97
58) Methylcyclohexane	10.664	83	426730	99.11	ug/kg	91
59) 2-chloroethyl vinyl ether	10.532	63	134740	104.65	ug/kg	97
60) methyl methacrylate	10.251	69	111927	105.00	ug/kg#	71
61) 1,4-dioxane	10.246	88	3963	542.52	ug/kg	71
62) cis-1,3-dichloropropene	10.786	75	478317	97.86	ug/kg	98
64) 4-methyl-2-pentanone	10.866	43	146707	103.31	ug/kg	87
65) toluene	11.550	92	743762	94.60	ug/kg	98
66) trans-1,3-dichloropropene	11.197	75	397484	98.92	ug/kg	99
67) 1,1,2-trichloroethane	11.368	83	184778	97.51	ug/kg	100
68) ethyl methacrylate	11.569	69	213790	102.19	ug/kg	81
70) tetrachloroethene	12.307	166	376077	96.53	ug/kg	97
71) 1,3-dichloropropane	11.607	76	338370	95.01	ug/kg	99
72) dibromochloromethane	11.887	129	322554	97.92	ug/kg	99
73) 1,2-dibromoethane	12.136	107	253899	98.46	ug/kg	98
74) 2-hexanone	11.719	43	92223	101.23	ug/kg	95
75) chlorobenzene	12.976	112	964309	92.01	ug/kg	99
76) 1-chlorohexane	12.873	91	437504	98.34	ug/kg#	84
77) 1,1,1,2-tetrachloroethane	12.903	131	346430	91.39	ug/kg	97
78) ethylbenzene	13.147	91	1436407	92.59	ug/kg	99
79) m,p-xylene	13.330	106	1181658	184.57	ug/kg	96
80) o-xylene	13.743	106	580455	91.28	ug/kg	97
81) styrene	13.665	104	963888	95.22	ug/kg	98
82) bromoform	13.487	173	162689	102.50	ug/kg	99
83) cis-1,4-dichloro-2-butene	13.573	88	81512	103.07	ug/kg	87
84) trans-1,4-dichloro-2-b...	13.893	53	56817	100.66	ug/kg#	76
86) isopropylbenzene	14.108	105	1482141	96.87	ug/kg	100
88) bromobenzene	14.395	156	435578	99.52	ug/kg	94
89) 1,1,2,2-tetrachloroethane	13.752	83	200889	99.36	ug/kg	99
90) 1,2,3-trichloropropane	13.894	75	236599	104.21	ug/kg	100
91) n-propylbenzene	14.555	91	1659320	97.99	ug/kg	99
92) 2-chlorotoluene	14.676	91	1013812	96.92	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73680.D
Acq On : 3 Sep 2013 4:46 pm
Operator : GaryK
Sample : ic2393-100
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 07:37:40 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration

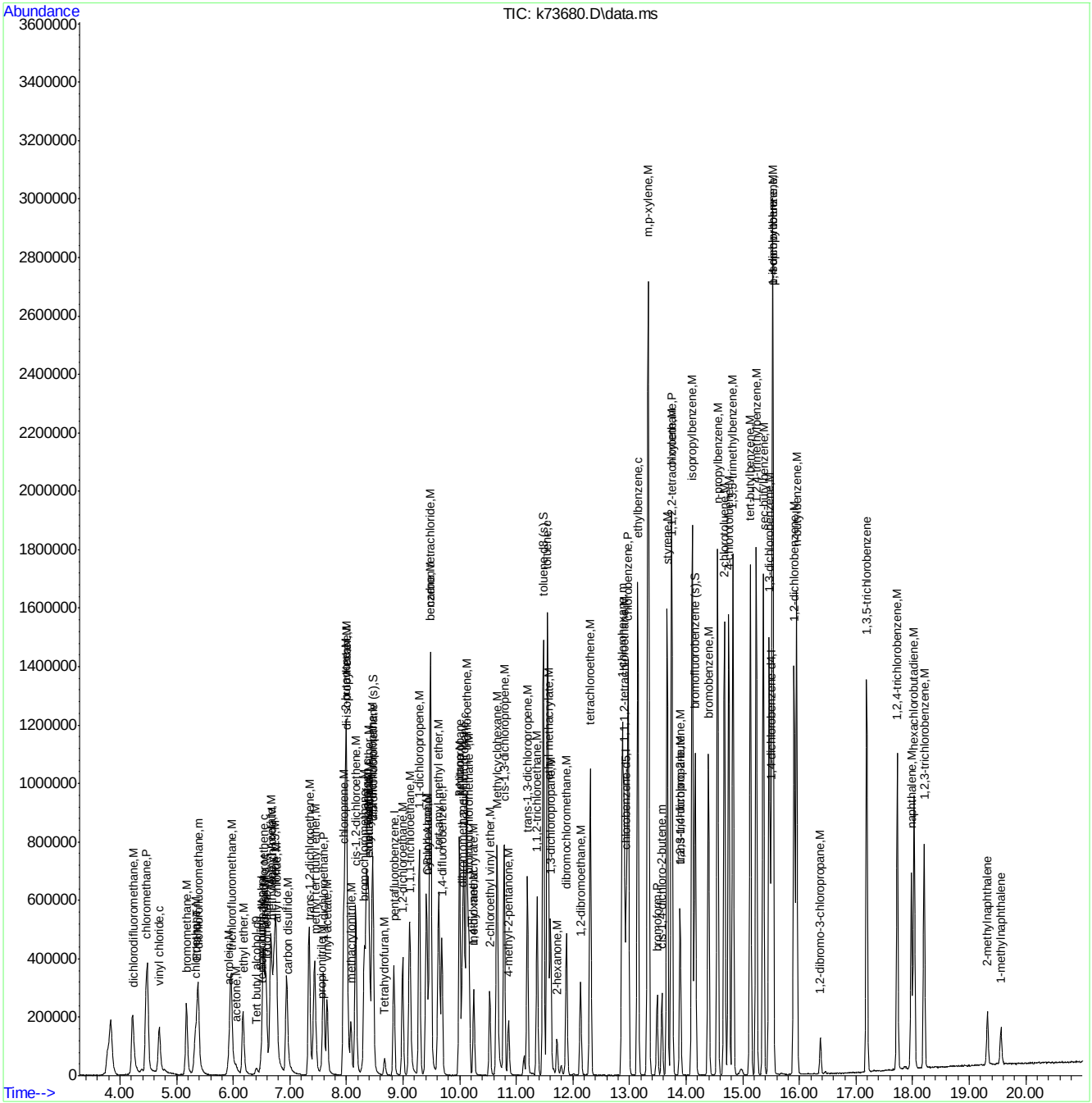
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.752	91	1028952	96.73	ug/kg	97
94)	1,3,5-trimethylbenzene	14.826	105	1177570	96.24	ug/kg	99
95)	tert-butylbenzene	15.134	91	666164	98.68	ug/kg	99
96)	1,2,4-trimethylbenzene	15.238	105	1198685	96.73	ug/kg	99
97)	sec-butylbenzene	15.362	105	1492242	97.09	ug/kg	99
98)	1,3-dichlorobenzene	15.466	146	818831	96.96	ug/kg	98
99)	p-isopropyltoluene	15.529	119	1148903	95.98	ug/kg	98
100)	1,4-dichlorobenzene	15.529	146	758117	96.52	ug/kg	98
101)	1,2-dichlorobenzene	15.907	146	751079	98.67	ug/kg	97
102)	n-butylbenzene	15.950	91	1077010	96.24	ug/kg	98
103)	1,2-dibromo-3-chloropr...	16.370	75	30859	103.96	ug/kg	95
104)	1,3,5-trichlorobenzene	17.189	180	532921	99.10	ug/kg	97
105)	1,2,4-trichlorobenzene	17.729	180	422998	99.26	ug/kg	96
106)	hexachlorobutadiene	18.026	225	218387	96.93	ug/kg	91
107)	naphthalene	17.978	128	676714	103.38	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	312132	101.33	ug/kg	99
109)	2-methylnaphthalene	19.322	142	118073	54.54	ug/kg	97
110)	1-methylnaphthalene	19.559	TIC	279887m	56.19	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73680.D
Acq On : 3 Sep 2013 4:46 pm
Operator : GaryK
Sample : ic2393-100
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 07:37:40 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration



K73681.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski 09/04/13 09:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73681.D
Acq On : 3 Sep 2013 5:14 pm
Operator : GaryK
Sample : ic2393-200
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 04 08:23:40 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.418	65	36357	500.00	ug/kg	0.00
4) pentafluorobenzene	8.841	168	327499	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.687	114	462842	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.938	82	209358	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.502	152	206894	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.472	113	635357	185.10	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 370.20%#			
63) toluene-d8 (s)	11.478	98	2301006	191.30	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 382.60%#			
87) bromofluorobenzene (s)	14.160	95	830092	199.57	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 399.14%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.505	59	214135	1992.74	ug/kg	97
3) Ethanol	5.347	45	158876	16620.30	ug/kg#	100
5) dichlorodifluoromethane	4.244	85	774122	185.20	ug/kg	98
6) chloromethane	4.505	50	589864m	169.56	ug/kg	
7) vinyl chloride	4.708	62	579661	192.64	ug/kg	97
8) bromomethane	5.186	96	473102	183.07	ug/kg	97
9) chloroethane	5.344	64	323878	181.68	ug/kg	100
10) dichlorofluoromethane	5.390	67	950782	178.78	ug/kg	100
11) ethyl ether	6.183	59	365605	189.75	ug/kg	91
12) acetonitrile	6.506	41	46009m	166.75	ug/kg	
13) trichlorofluoromethane	5.972	101	1006795	187.00	ug/kg	99
14) freon-113	6.738	101	548936	184.86	ug/kg	93
15) acrolein	5.926	56	96089	1146.35	ug/kg	98
16) 1,1-dichloroethene	6.550	96	514130	190.95	ug/kg	94
17) acetone	6.050	43	78344	209.35	ug/kg	94
18) Methyl Acetate	6.668	43	366414	177.98	ug/kg#	91
19) methylene chloride	6.685	84	552607	175.62	ug/kg	84
20) methyl tert butyl ether	7.446	73	1169818	191.73	ug/kg	96
21) acrylonitrile	6.549	53	111041	190.77	ug/kg	99
22) allyl chloride	6.773	41	760840	181.00	ug/kg	81
23) trans-1,2-dichloroethene	7.352	96	612263	184.28	ug/kg	90
24) iodomethane	6.594	142	1123228m	179.83	ug/kg	
25) carbon disulfide	6.964	76	1592037m	188.09	ug/kg	
26) propionitrile	7.563	54	40708	197.02	ug/kg	100
27) vinyl acetate	7.661	43	859003	205.38	ug/kg	92
28) chloroprene	7.963	53	835407	190.99	ug/kg	85
29) di-isopropyl ether	8.007	45	1547806	170.38	ug/kg	86
30) methacrylonitrile	8.084	41	221526	202.10	ug/kg	82
31) 2-butanone	7.981	72	33500	207.33	ug/kg#	1
32) Hexane	7.996	41	757127	173.55	ug/kg#	80
33) 1,1-dichloroethane	7.604	63	900843	177.46	ug/kg	96
34) tert-butyl ethyl ether	8.394	59	1420876	184.41	ug/kg	96
35) isobutyl alcohol	8.397	43	183181	882.02	ug/kg	88
36) 2,2-dichloropropane	8.459	77	676128	185.00	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73681.D
Acq On : 3 Sep 2013 5:14 pm
Operator : GaryK
Sample : ic2393-200
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 04 08:23:40 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	cis-1,2-dichloroethene	8.171	96	664177	181.98	ug/kg	93
38)	ethyl acetate	8.396	43	180945	172.20	ug/kg	93
39)	bromochloromethane	8.320	128	326490	185.05	ug/kg	93
40)	chloroform	8.361	83	927998	174.76	ug/kg	99
42)	Tetrahydrofuran	8.675	42	84095	197.91	ug/kg	81
43)	1,1,1-trichloroethane	9.126	97	847895	185.77	ug/kg	97
44)	n-Butyl Alcohol	9.424	56	815128	4694.42	ug/kg	87
46)	Cyclohexane	9.424	56	815128	194.70	ug/kg	91
47)	carbon tetrachloride	9.484	117	740407	190.43	ug/kg	99
48)	1,1-dichloropropene	9.290	75	775765	193.55	ug/kg	96
49)	benzene	9.488	78	2041476	180.60	ug/kg	100
50)	1,2-dichloroethane	8.993	62	728440	196.42	ug/kg	94
51)	tert-amyl methyl ether	9.632	73	1223791	198.87	ug/kg	91
52)	heptane	9.999	43	779954	202.37	ug/kg	84
53)	2-Nitropropane	9.999	43	779954	202.37	ug/kg	98
54)	trichloroethene	10.124	95	651072	186.17	ug/kg	98
55)	1,2-dichloropropane	10.077	63	553809	190.33	ug/kg	96
56)	dibromomethane	10.049	93	291713	194.84	ug/kg	99
57)	bromodichloromethane	10.162	83	743850	193.20	ug/kg	98
58)	Methylcyclohexane	10.665	83	838436	196.64	ug/kg	90
59)	2-chloroethyl vinyl ether	10.531	63	278838	218.70	ug/kg	98
60)	methyl methacrylate	10.250	69	233435	221.13	ug/kg#	75
61)	1,4-dioxane	10.246	88	6289m	869.40	ug/kg	
62)	cis-1,3-dichloropropene	10.786	75	958061	197.95	ug/kg	97
64)	4-methyl-2-pentanone	10.864	43	292044	207.68	ug/kg	90
65)	toluene	11.550	92	1437621	184.64	ug/kg	99
66)	trans-1,3-dichloropropene	11.197	75	802455	201.66	ug/kg	100
67)	1,1,2-trichloroethane	11.368	83	370265	197.31	ug/kg	98
68)	ethyl methacrylate	11.569	69	436665	210.78	ug/kg	82
70)	tetrachloroethene	12.308	166	736787	181.39	ug/kg	100
71)	1,3-dichloropropane	11.607	76	671603	180.88	ug/kg	99
72)	dibromochloromethane	11.888	129	660161	192.22	ug/kg	100
73)	1,2-dibromoethane	12.136	107	513015	190.82	ug/kg	98
74)	2-hexanone	11.719	43	197488	207.93	ug/kg	95
75)	chlorobenzene	12.977	112	1872509	171.37	ug/kg	99
76)	1-chlorohexane	12.873	91	865311	186.56	ug/kg	85
77)	1,1,1,2-tetrachloroethane	12.903	131	674638	170.71	ug/kg	97
78)	ethylbenzene	13.147	91	2797462	172.96	ug/kg	98
79)	m,p-xylene	13.330	106	2291418	343.29	ug/kg	98
80)	o-xylene	13.743	106	1133539	170.98	ug/kg	97
81)	styrene	13.665	104	1911174	181.09	ug/kg	100
82)	bromoform	13.487	173	349848	211.41	ug/kg	100
83)	cis-1,4-dichloro-2-butene	13.574	88	173349	210.25	ug/kg	89
84)	trans-1,4-dichloro-2-b...	13.893	53	116212	197.47	ug/kg#	85
86)	isopropylbenzene	14.108	105	2882460	189.34	ug/kg	99
88)	bromobenzene	14.395	156	867010	199.09	ug/kg	93
89)	1,1,2,2-tetrachloroethane	13.753	83	396107	196.90	ug/kg	97
90)	1,2,3-trichloropropane	13.894	75	484998	214.70	ug/kg	99
91)	n-propylbenzene	14.555	91	3194362	189.59	ug/kg	97
92)	2-chlorotoluene	14.676	91	1973898	189.66	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73681.D
Acq On : 3 Sep 2013 5:14 pm
Operator : GaryK
Sample : ic2393-200
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 04 08:23:40 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration

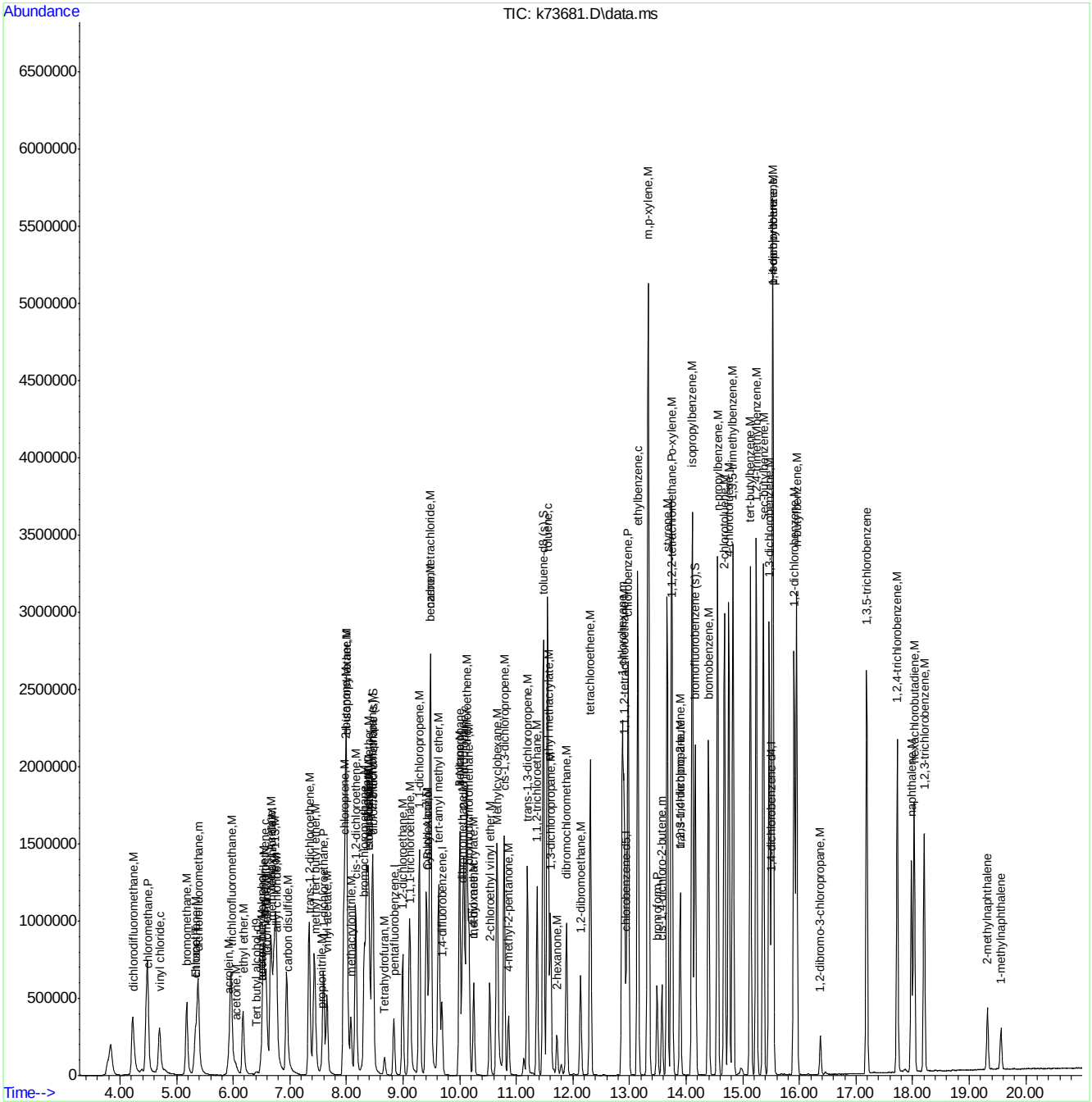
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.753	91	2015450	190.43	ug/kg	97
94)	1,3,5-trimethylbenzene	14.826	105	2298711	188.82	ug/kg	99
95)	tert-butylbenzene	15.134	91	1278917	190.41	ug/kg	100
96)	1,2,4-trimethylbenzene	15.238	105	2323473	188.44	ug/kg	100
97)	sec-butylbenzene	15.363	105	2876759	188.13	ug/kg	99
98)	1,3-dichlorobenzene	15.467	146	1594513	189.77	ug/kg	99
99)	p-isopropyltoluene	15.529	119	2220808	186.48	ug/kg	98
100)	1,4-dichlorobenzene	15.529	146	1462600	187.16	ug/kg	98
101)	1,2-dichlorobenzene	15.907	146	1481448	195.61	ug/kg	98
102)	n-butylbenzene	15.950	91	2073609	186.24	ug/kg	98
103)	1,2-dibromo-3-chloropr...	16.370	75	64024	216.79	ug/kg	97
104)	1,3,5-trichlorobenzene	17.189	180	1055241	197.23	ug/kg	97
105)	1,2,4-trichlorobenzene	17.729	180	863850	203.75	ug/kg	98
106)	hexachlorobutadiene	18.026	225	428064	190.96	ug/kg	93
107)	naphthalene	17.978	128	1386403	212.88	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	635775	207.44	ug/kg	96
109)	2-methylnaphthalene	19.322	142	263092	122.13	ug/kg	99
110)	1-methylnaphthalene	19.559	TIC	563137m	113.63	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73681.D
Acq On : 3 Sep 2013 5:14 pm
Operator : GaryK
Sample : ic2393-200
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 04 08:23:40 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/04/13 09:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73682.D
Acq On : 3 Sep 2013 5:41 pm
Operator : GaryK
Sample : ic2393-400
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 04 08:23:09 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert butyl alcohol-d9	6.421	65	43182	500.00	ug/kg		0.00
4) pentafluorobenzene	8.844	168	323290	50.00	ug/kg		0.00
45) 1,4-difluorobenzene	9.689	114	453872	50.00	ug/kg		0.00
69) chlorobenzene-d5	12.936	82	228282	50.00	ug/kg	#	0.00
85) 1,4-dichlorobenzene-d4	15.503	152	196787	50.00	ug/kg		0.00
System Monitoring Compounds							
41) dibromofluoromethane (s)	8.476	113	1179043	347.96	ug/kg		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 695.92%#				
63) toluene-d8 (s)	11.479	98	4170776	353.60	ug/kg		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 707.20%#				
87) bromofluorobenzene (s)	14.161	95	1541317	389.60	ug/kg		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 779.20%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.506	59	483699	3789.86	ug/kg		98
3) Ethanol	5.383	45	441394m	38876.95	ug/kg		
5) dichlorodifluoromethane	4.243	85	1497853	363.00	ug/kg		98
6) chloromethane	4.512	50	1050636m	305.95	ug/kg		
7) vinyl chloride	4.708	62	1015965	342.04	ug/kg		96
8) bromomethane	5.186	96	890749	349.17	ug/kg		97
9) chloroethane	5.343	64	610970	347.20	ug/kg		99
10) dichlorofluoromethane	5.387	67	1771916m	337.53	ug/kg		
11) ethyl ether	6.187	59	697319	366.63	ug/kg		94
12) acetonitrile	6.506	41	95731m	351.47	ug/kg		
13) trichlorofluoromethane	5.969	101	1895512m	356.64	ug/kg		
14) freon-113	6.737	101	1030572	351.57	ug/kg		91
15) acrolein	5.929	56	194149	2346.38	ug/kg		100
16) 1,1-dichloroethene	6.549	96	977478	367.77	ug/kg		94
17) acetone	6.052	43	159032	430.49	ug/kg		96
18) Methyl Acetate	6.672	43	699254	344.07	ug/kg		92
19) methylene chloride	6.687	84	1051616	338.56	ug/kg		85
20) methyl tert butyl ether	7.450	73	2256102	374.58	ug/kg		96
21) acrylonitrile	6.552	53	214135	372.67	ug/kg		99
22) allyl chloride	6.776	41	1448516	349.08	ug/kg		83
23) trans-1,2-dichloroethene	7.355	96	1192903	363.72	ug/kg		93
24) iodomethane	6.597	142	2157308m	349.88	ug/kg		
25) carbon disulfide	6.964	76	3124330m	373.92	ug/kg		
26) propionitrile	7.565	54	84791	415.71	ug/kg		100
27) vinyl acetate	7.662	43	1614083	390.93	ug/kg		94
28) chloroprene	7.966	53	1565374	362.53	ug/kg		88
29) di-isopropyl ether	8.011	45	2822210	314.70	ug/kg		91
30) methacrylonitrile	8.087	41	443584	409.96	ug/kg		84
31) 2-butanone	7.982	72	65258	409.13	ug/kg#		1
32) Hexane	7.997	41	1305393	303.13	ug/kg#		78
33) 1,1-dichloroethane	7.608	63	1721019	343.44	ug/kg		97
34) tert-butyl ethyl ether	8.399	59	2657066	349.34	ug/kg		97
35) isobutyl alcohol	8.401	43	350923	1711.70	ug/kg		93
36) 2,2-dichloropropane	8.461	77	1298823	360.01	ug/kg		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73682.D
Acq On : 3 Sep 2013 5:41 pm
Operator : GaryK
Sample : ic2393-400
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 04 08:23:09 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.174	96	1255970	348.61	ug/kg	95
38) ethyl acetate	8.401	43	350360	337.78	ug/kg	96
39) bromochloromethane	8.324	128	617381	354.48	ug/kg	91
40) chloroform	8.366	83	1721297	328.37	ug/kg	98
42) Tetrahydrofuran	8.676	42	167241	398.71	ug/kg	83
43) 1,1,1-trichloroethane	9.128	97	1630889	361.97	ug/kg	99
44) n-Butyl Alcohol	9.425	56	1557600	9087.20	ug/kg	85
46) Cyclohexane	9.425	56	1560108	380.01	ug/kg	89
47) carbon tetrachloride	9.486	117	1412140	370.38	ug/kg	100
48) 1,1-dichloropropene	9.292	75	1474872	375.25	ug/kg	98
49) benzene	9.492	78	3819905	344.61	ug/kg	100
50) 1,2-dichloroethane	8.994	62	1373350	377.63	ug/kg	94
51) tert-amyl methyl ether	9.633	73	2362846	391.55	ug/kg	92
52) heptane	10.001	43	1384409	366.30	ug/kg	85
53) 2-Nitropropane	10.001	43	1384409	366.30	ug/kg	100
54) trichloroethene	10.125	95	1230987	358.96	ug/kg	95
55) 1,2-dichloropropane	10.078	63	1043297	365.64	ug/kg	98
56) dibromomethane	10.049	93	555701	378.51	ug/kg	97
57) bromodichloromethane	10.163	83	1433787	379.75	ug/kg	99
58) Methylcyclohexane	10.672	83	1674289	400.43	ug/kg	92
59) 2-chloroethyl vinyl ether	10.531	63	557506	445.91	ug/kg	98
60) methyl methacrylate	10.249	69	473714	457.62	ug/kg	80
61) 1,4-dioxane	10.239	88	17733m	2499.89	ug/kg	
62) cis-1,3-dichloropropene	10.786	75	1819084	383.27	ug/kg	97
64) 4-methyl-2-pentanone	10.865	43	582168	422.17	ug/kg	90
65) toluene	11.551	92	2684924	351.65	ug/kg	99
66) trans-1,3-dichloropropene	11.197	75	1538430	394.25	ug/kg	99
67) 1,1,2-trichloroethane	11.368	83	709500	385.55	ug/kg	100
68) ethyl methacrylate	11.569	69	854171	420.45	ug/kg	83
70) tetrachloroethene	12.308	166	1404280	317.06	ug/kg	100
71) 1,3-dichloropropane	11.608	76	1304431	322.20	ug/kg	100
72) dibromochloromethane	11.888	129	1293699	345.46	ug/kg	98
73) 1,2-dibromoethane	12.136	107	1004809	342.76	ug/kg	98
74) 2-hexanone	11.719	43	388289	374.93	ug/kg	98
75) chlorobenzene	12.977	112	3558178	298.64	ug/kg	99
76) 1-chlorohexane	12.873	91	1623022	320.91	ug/kg	86
77) 1,1,1,2-tetrachloroethane	12.904	131	1250820	290.27	ug/kg	98
78) ethylbenzene	13.147	91	5185384	294.02	ug/kg	100
79) m,p-xylene	13.331	106	4187782	575.39	ug/kg	99
80) o-xylene	13.744	106	2129236	294.54	ug/kg	99
81) styrene	13.666	104	3545864	308.12	ug/kg	98
82) bromoform	13.488	173	718000	397.91	ug/kg	99
83) cis-1,4-dichloro-2-butene	13.575	88	345948	384.81	ug/kg	89
84) trans-1,4-dichloro-2-b...	13.894	53	228379	355.90	ug/kg#	84
86) isopropylbenzene	14.109	105	5281125	364.72	ug/kg	97
88) bromobenzene	14.396	156	1640512	396.06	ug/kg	94
89) 1,1,2,2-tetrachloroethane	13.754	83	747635	390.74	ug/kg	98
90) 1,2,3-trichloropropane	13.895	75	946670	440.59	ug/kg	99
91) n-propylbenzene	14.556	91	5817319	363.01	ug/kg	96
92) 2-chlorotoluene	14.678	91	3683607	372.12	ug/kg	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73682.D
Acq On : 3 Sep 2013 5:41 pm
Operator : GaryK
Sample : ic2393-400
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 04 08:23:09 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration

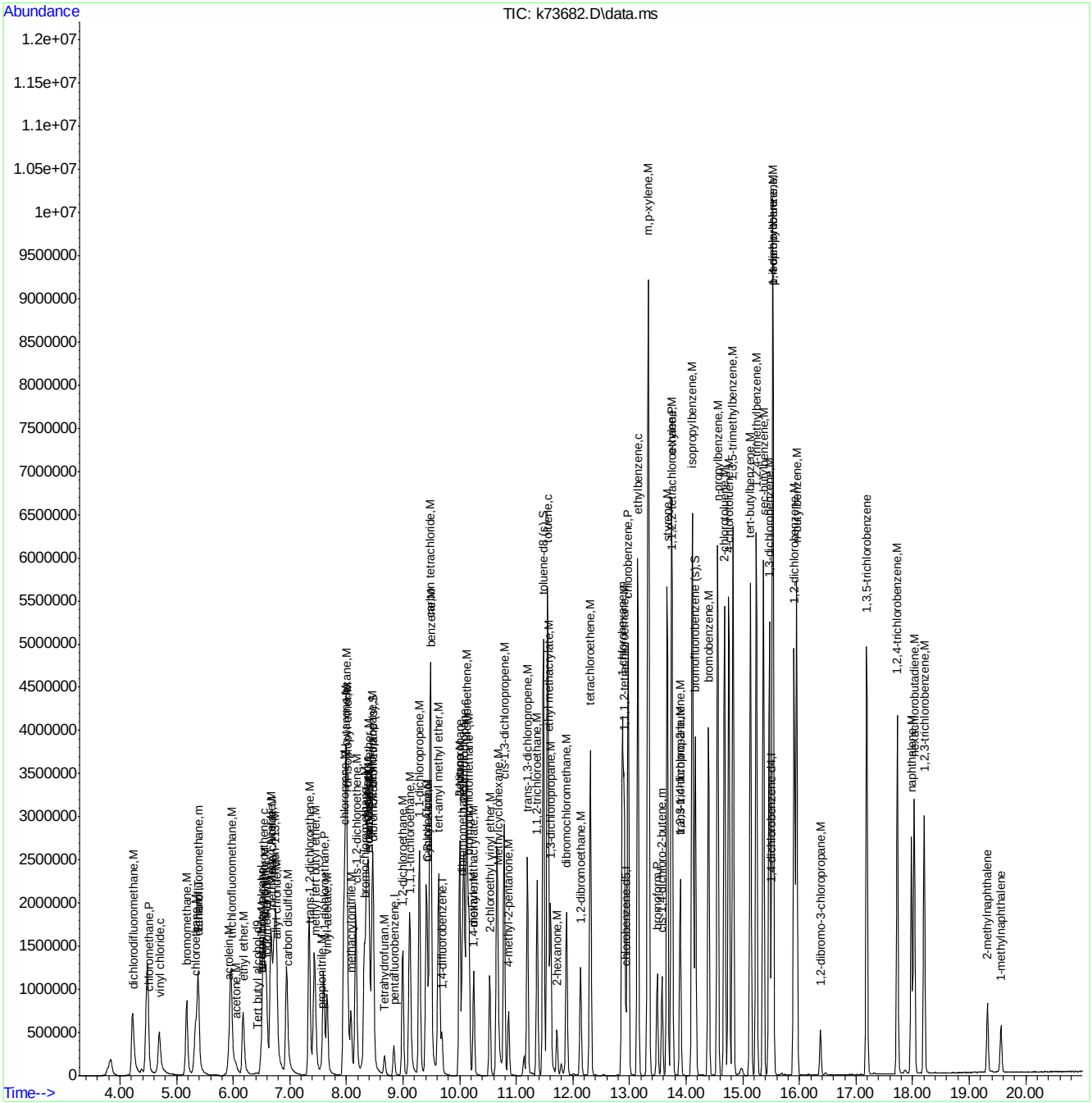
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.754	91	3708733	368.42	ug/kg	95
94)	1,3,5-trimethylbenzene	14.828	105	4266206	368.43	ug/kg	100
95)	tert-butylbenzene	15.135	91	2296724	359.50	ug/kg	100
96)	1,2,4-trimethylbenzene	15.239	105	4281102	365.04	ug/kg	99
97)	sec-butylbenzene	15.364	105	5279102	362.96	ug/kg	97
98)	1,3-dichlorobenzene	15.468	146	2942011	368.12	ug/kg	98
99)	p-isopropyltoluene	15.531	119	4049636	357.51	ug/kg	98
100)	1,4-dichlorobenzene	15.531	146	2595041	349.12	ug/kg	98
101)	1,2-dichlorobenzene	15.908	146	2741851	380.63	ug/kg	98
102)	n-butylbenzene	15.951	91	3757758	354.84	ug/kg	95
103)	1,2-dibromo-3-chloropr...	16.371	75	131351	467.60	ug/kg	95
104)	1,3,5-trichlorobenzene	17.189	180	2034415	399.78	ug/kg	98
105)	1,2,4-trichlorobenzene	17.730	180	1696106	420.59	ug/kg	98
106)	hexachlorobutadiene	18.027	225	793422	372.13	ug/kg	93
107)	naphthalene	17.978	128	2776301	448.19	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	1277955	438.38	ug/kg	100
109)	2-methylnaphthalene	19.322	142	536210	261.71	ug/kg	99
110)	1-methylnaphthalene	19.559	TIC	1117091m	236.98	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73682.D
Acq On : 3 Sep 2013 5:41 pm
Operator : GaryK
Sample : ic2393-400
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 04 08:23:09 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 07:29:52 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/06/13 12:24

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73685.D
Acq On : 3 Sep 2013 7:04 pm
Operator : GaryK
Sample : icv2393-50
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 06 12:21:24 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.419	65	39350	500.00	ug/kg	0.00
4) pentafluorobenzene	8.838	168	331745	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.685	114	478048	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.940	82	202673	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.501	152	219403	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.468	113	174857	50.90	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.80%			
63) toluene-d8 (s)	11.478	98	641655	53.40	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.80%			
87) bromofluorobenzene (s)	14.160	95	228298	49.69	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.38%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.508	59	66467	579.56	ug/kg	91
3) Ethanol	5.338	45	44830	4328.61	ug/kg#	100
5) dichlorodifluoromethane	4.239	85	197719	47.39	ug/kg	99
6) chloromethane	4.457	50	186451	56.81	ug/kg	100
7) vinyl chloride	4.698	62	123615	41.48	ug/kg	100
8) bromomethane	5.183	96	139330	53.23	ug/kg	99
9) chloroethane	5.343	64	97040	56.07	ug/kg	100
10) dichlorofluoromethane	5.388	67	293884	56.49	ug/kg	100
11) ethyl ether	6.181	59	102665	54.73	ug/kg	95
12) acetonitrile	6.506	41	15415	56.46	ug/kg	83
13) trichlorofluoromethane	5.970	101	274075	50.98	ug/kg	100
14) freon-113	6.738	101	167094	56.08	ug/kg	94
15) acrolein	5.959	56	1739m	18.99	ug/kg	
16) 1,1-dichloroethene	6.549	96	156475	56.21	ug/kg	90
17) acetone	6.054	43	19942	49.94	ug/kg	97
18) Methyl Acetate	6.670	43	84294	42.17	ug/kg#	91
19) methylene chloride	6.683	84	166414	54.04	ug/kg	85
20) methyl tert butyl ether	7.446	73	330209	55.51	ug/kg	95
21) acrylonitrile	6.552	53	32249	59.61	ug/kg	96
22) allyl chloride	6.765	41	219851	52.89	ug/kg	79
23) trans-1,2-dichloroethene	7.350	96	177165	53.15	ug/kg	92
24) iodomethane	6.593	142	325461	54.59	ug/kg	100
25) carbon disulfide	6.961	76	444925m	52.52	ug/kg	
26) propionitrile	7.568	54	10783	54.23	ug/kg	100
27) vinyl acetate	7.665	43	159046	39.45	ug/kg	92
28) chloroprene	7.958	53	250077	59.90	ug/kg	85
29) di-isopropyl ether	8.005	45	456258	52.95	ug/kg	85
30) methacrylonitrile	8.084	41	60222	52.94	ug/kg	87
31) 2-butanone	7.985	72	8908	56.05	ug/kg#	1
32) Hexane	7.994	41	227302	52.62	ug/kg#	83
33) 1,1-dichloroethane	7.600	63	288526	59.32	ug/kg	94
34) tert-butyl ethyl ether	8.394	59	414489	56.53	ug/kg	95
35) isobutyl alcohol	8.396	43	56566	274.84	ug/kg	95
36) 2,2-dichloropropane	8.458	77	198119	53.63	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73685.D
Acq On : 3 Sep 2013 7:04 pm
Operator : GaryK
Sample : icv2393-50
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 06 12:21:24 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.168	96	190257	52.56	ug/kg	96
38) ethyl acetate	8.399	43	56935	55.12	ug/kg	90
39) bromochloromethane	8.318	128	101018	57.97	ug/kg	90
40) chloroform	8.358	83	294962	57.86	ug/kg	98
42) Tetrahydrofuran	8.676	42	22298	51.75	ug/kg	91
43) 1,1,1-trichloroethane	9.124	97	260525	58.31	ug/kg	98
44) n-Butyl Alcohol	9.424	56	233957	1381.57	ug/kg#	54
46) Cyclohexane	9.424	56	233957	56.08	ug/kg	88
47) carbon tetrachloride	9.481	117	228553	58.59	ug/kg	98
48) 1,1-dichloropropene	9.288	75	216639	54.63	ug/kg	97
49) benzene	9.486	78	597639	53.87	ug/kg	99
50) 1,2-dichloroethane	8.992	62	204132	55.20	ug/kg	93
51) tert-amyl methyl ether	9.632	73	350533	53.29	ug/kg	90
52) heptane	9.998	43	196716	51.11	ug/kg	82
53) 2-Nitropropane	9.998	43	196716	51.11	ug/kg	97
54) trichloroethene	10.122	95	183227	54.40	ug/kg	98
55) 1,2-dichloropropane	10.075	63	158050	54.36	ug/kg	99
56) dibromomethane	10.048	93	91498	60.80	ug/kg	97
57) bromodichloromethane	10.161	83	214741	55.95	ug/kg	98
58) Methylcyclohexane	10.663	83	239390	56.72	ug/kg	90
59) 2-chloroethyl vinyl ether	10.532	63	52397	39.89	ug/kg	99
60) methyl methacrylate	10.251	69	61986	55.86	ug/kg#	76
61) 1,4-dioxane	10.242	88	2076	262.85	ug/kg#	18
62) cis-1,3-dichloropropene	10.786	75	255509	53.81	ug/kg	97
64) 4-methyl-2-pentanone	10.865	43	80973	57.93	ug/kg	89
65) toluene	11.550	92	421535	55.07	ug/kg	97
66) trans-1,3-dichloropropene	11.196	75	224833	58.31	ug/kg	99
67) 1,1,2-trichloroethane	11.368	83	104851	55.52	ug/kg	99
68) ethyl methacrylate	11.570	69	122377	60.06	ug/kg	77
70) tetrachloroethene	12.307	166	226317	62.32	ug/kg	98
71) 1,3-dichloropropane	11.606	76	191701	55.58	ug/kg	100
72) dibromochloromethane	11.887	129	181000	58.36	ug/kg	100
73) 1,2-dibromoethane	12.136	107	139147	56.66	ug/kg	97
74) 2-hexanone	11.721	43	48808	57.59	ug/kg	96
75) chlorobenzene	12.976	112	525508	52.95	ug/kg	98
76) 1-chlorohexane	12.873	91	239171	58.82	ug/kg#	84
77) 1,1,1,2-tetrachloroethane	12.902	131	197918	56.34	ug/kg	96
78) ethylbenzene	13.147	91	800830	56.33	ug/kg	99
79) m,p-xylene	13.330	106	652168	109.71	ug/kg	94
80) o-xylene	13.743	106	315784	53.50	ug/kg	96
81) styrene	13.665	104	527292	59.25	ug/kg	99
82) bromoform	13.487	173	96732	61.78	ug/kg	100
83) cis-1,4-dichloro-2-butene	13.573	88	43756	54.40	ug/kg	86
84) trans-1,4-dichloro-2-b...	13.894	53	31457	58.93	ug/kg#	82
86) isopropylbenzene	14.108	105	805953	53.37	ug/kg	100
88) bromobenzene	14.395	156	246189	55.03	ug/kg	95
89) 1,1,2,2-tetrachloroethane	13.752	83	116765	54.36	ug/kg	98
90) 1,2,3-trichloropropane	13.894	75	134046	55.55	ug/kg	100
91) n-propylbenzene	14.555	91	883043	52.82	ug/kg	100
92) 2-chlorotoluene	14.676	91	538178	50.75	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73685.D
Acq On : 3 Sep 2013 7:04 pm
Operator : GaryK
Sample : icv2393-50
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 06 12:21:24 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration

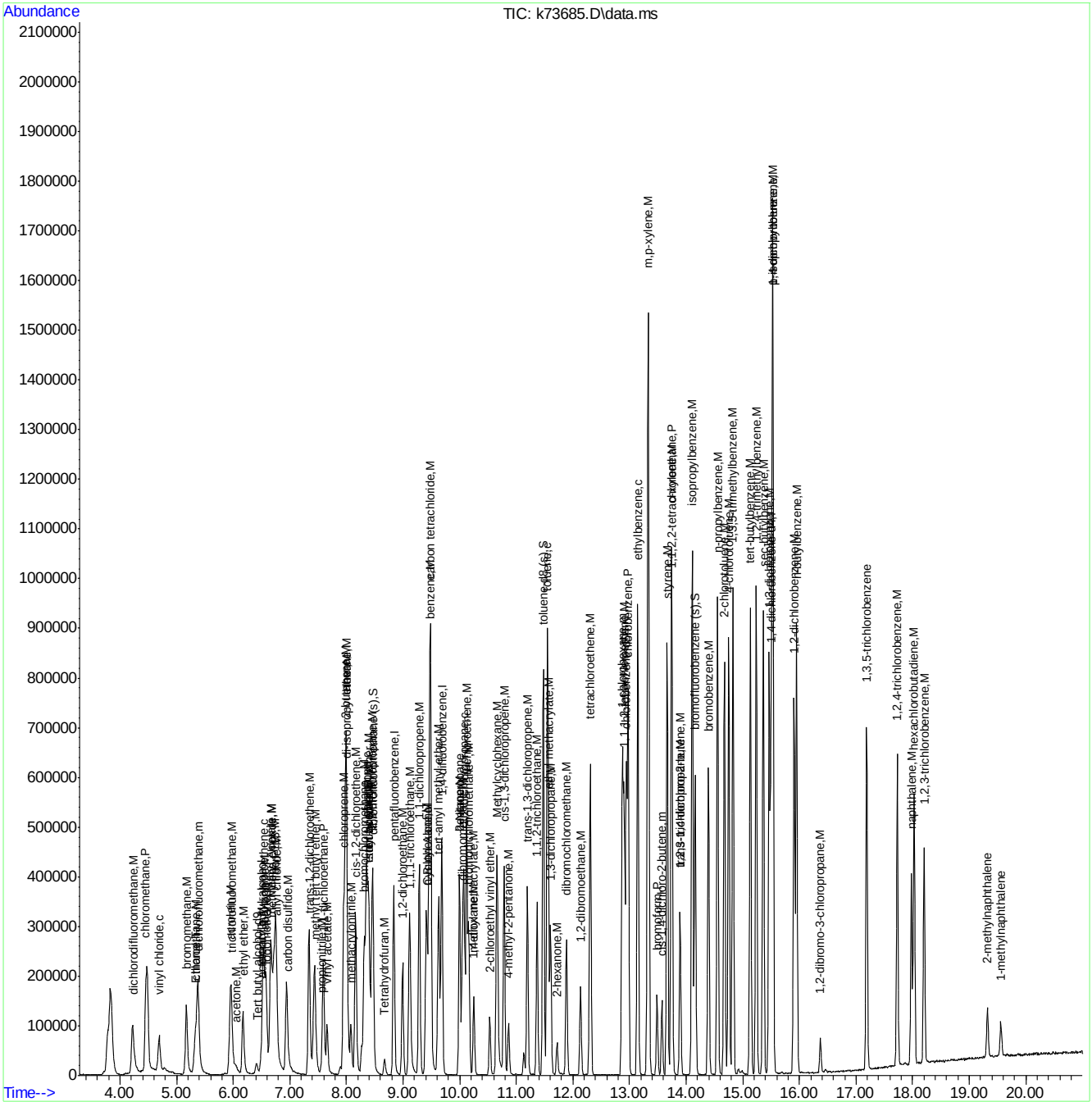
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.752	91	570905	53.20	ug/kg	98
94)	1,3,5-trimethylbenzene	14.826	105	640465	52.24	ug/kg	99
95)	tert-butylbenzene	15.134	91	351919	52.28	ug/kg	98
96)	1,2,4-trimethylbenzene	15.238	105	649438	53.05	ug/kg	97
97)	sec-butylbenzene	15.362	105	800196	52.20	ug/kg	99
98)	1,3-dichlorobenzene	15.466	146	442758	51.14	ug/kg	99
99)	p-isopropyltoluene	15.529	119	666652	55.17	ug/kg	99
100)	1,4-dichlorobenzene	15.528	146	434568	54.21	ug/kg	98
101)	1,2-dichlorobenzene	15.907	146	405679	52.22	ug/kg	97
102)	n-butylbenzene	15.950	91	592248	53.71	ug/kg	98
103)	1,2-dibromo-3-chloropr...	16.370	75	16968	53.04	ug/kg	99
104)	1,3,5-trichlorobenzene	17.189	180	274004	49.90	ug/kg	99
105)	1,2,4-trichlorobenzene	17.729	180	241600	55.37	ug/kg	97
106)	hexachlorobutadiene	18.025	225	131446	53.76	ug/kg	95
107)	naphthalene	17.978	128	371087	54.93	ug/kg	100
108)	1,2,3-trichlorobenzene	18.204	180	177471	55.55	ug/kg	98
109)	2-methylnaphthalene	19.322	142	65004	25.71	ug/kg	98
110)	1-methylnaphthalene	19.567	TIC	190739	33.21	ug/kg#	42

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130903\
Data File : k73685.D
Acq On : 3 Sep 2013 7:04 pm
Operator : GaryK
Sample : icv2393-50
Misc : ms29792,msk2393,10,,100,10,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 06 12:21:24 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
09/10/13 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73805.D
Acq On : 9 Sep 2013 9:19 am
Operator : GaryK
Sample : cc2393-50
Misc : ms29832,msk2397,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:53:07 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert butyl alcohol-d9	6.416	65	26392	500.00	ug/kg	0.00
4) pentafluorobenzene	8.837	168	329309	50.00	ug/kg	0.00
45) 1,4-difluorobenzene	9.684	114	462500	50.00	ug/kg	0.00
69) chlorobenzene-d5	12.939	82	191996	50.00	ug/kg	0.00
85) 1,4-dichlorobenzene-d4	15.500	152	217033	50.00	ug/kg	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	8.466	113	161728	47.43	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.86%			
63) toluene-d8 (s)	11.476	98	606856	52.21	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.42%			
87) bromofluorobenzene (s)	14.159	95	211930	46.63	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.26%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.506	59	43496	565.48	ug/kg	92
3) Ethanol	5.328	45	29617	4263.76	ug/kg#	100
5) dichlorodifluoromethane	4.235	85	210276	50.78	ug/kg	99
6) chloromethane	4.460	50	165824	50.90	ug/kg	97
7) vinyl chloride	4.699	62	164936	55.76	ug/kg	96
8) bromomethane	5.184	96	136566	52.56	ug/kg	99
9) chloroethane	5.342	64	88276	51.38	ug/kg	98
10) dichlorofluoromethane	5.386	67	266397	51.58	ug/kg	100
11) ethyl ether	6.177	59	87426	46.95	ug/kg	90
12) acetonitrile	6.509	41	9691m	35.75	ug/kg	
13) trichlorofluoromethane	5.969	101	274312	51.41	ug/kg	96
14) freon-113	6.735	101	153526	51.90	ug/kg	86
15) acrolein	5.926	56	20085	221.00	ug/kg	95
16) 1,1-dichloroethene	6.541	96	140969	51.02	ug/kg	96
17) acetone	6.051	43	15850	39.99	ug/kg	96
18) Methyl Acetate	6.668	43	82371	41.51	ug/kg#	91
19) methylene chloride	6.679	84	155428	50.84	ug/kg	85
20) methyl tert butyl ether	7.441	73	289805	49.08	ug/kg	95
21) acrylonitrile	6.550	53	25213	46.95	ug/kg	91
22) allyl chloride	6.763	41	196646	47.66	ug/kg	86
23) trans-1,2-dichloroethene	7.346	96	169716	51.29	ug/kg	95
24) iodomethane	6.589	142	332722	56.22	ug/kg	100
25) carbon disulfide	6.961	76	433076	51.50	ug/kg	98
26) propionitrile	7.570	54	8667	43.91	ug/kg	100
27) vinyl acetate	7.664	43	193684	48.40	ug/kg	94
28) chloroprene	7.955	53	202479	48.86	ug/kg	91
29) di-isopropyl ether	8.002	45	407116	47.60	ug/kg	84
30) methacrylonitrile	8.086	41	47257	41.85	ug/kg	85
31) 2-butanone	7.982	72	7820	49.57	ug/kg#	1
32) Hexane	7.993	41	204170	47.61	ug/kg#	82
33) 1,1-dichloroethane	7.597	63	238694	49.44	ug/kg	98
34) tert-butyl ethyl ether	8.390	59	358908	49.31	ug/kg	96
35) isobutyl alcohol	8.393	43	44623	218.41	ug/kg	81
36) 2,2-dichloropropane	8.456	77	192820	52.59	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73805.D
Acq On : 9 Sep 2013 9:19 am
Operator : GaryK
Sample : cc2393-50
Misc : ms29832,msk2397,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:53:07 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) cis-1,2-dichloroethene	8.166	96	181445	50.50	ug/kg	97
38) ethyl acetate	8.393	43	44448	43.35	ug/kg	81
39) bromochloromethane	8.315	128	86832	50.20	ug/kg	95
40) chloroform	8.355	83	253768	50.15	ug/kg	96
42) Tetrahydrofuran	8.676	42	17017m	39.79	ug/kg	
43) 1,1,1-trichloroethane	9.122	97	232522	52.42	ug/kg	97
44) n-Butyl Alcohol	9.420	56	213120	1267.83	ug/kg	85
46) Cyclohexane	9.420	56	212859	52.73	ug/kg	93
47) carbon tetrachloride	9.479	117	206688	54.76	ug/kg	99
48) 1,1-dichloropropene	9.287	75	201032	52.40	ug/kg	96
49) benzene	9.484	78	558391	52.02	ug/kg	99
50) 1,2-dichloroethane	8.991	62	179527	50.18	ug/kg	94
51) tert-amyl methyl ether	9.629	73	304837	47.90	ug/kg	91
52) heptane	9.997	43	190039	51.03	ug/kg	86
53) 2-Nitropropane	9.997	43	190039	51.03	ug/kg	97
54) trichloroethene	10.121	95	178059	54.64	ug/kg	95
55) 1,2-dichloropropane	10.074	63	143580	51.04	ug/kg	97
56) dibromomethane	10.047	93	74138	50.92	ug/kg	93
57) bromodichloromethane	10.158	83	192233	51.77	ug/kg	99
58) Methylcyclohexane	10.661	83	228042	55.84	ug/kg	91
59) 2-chloroethyl vinyl ether	10.531	63	60833	47.87	ug/kg	98
60) methyl methacrylate	10.250	69	50035	46.60	ug/kg#	75
61) 1,4-dioxane	10.243	88	1130m	147.89	ug/kg	
62) cis-1,3-dichloropropene	10.784	75	245611	53.47	ug/kg	97
64) 4-methyl-2-pentanone	10.864	43	61793	45.69	ug/kg	90
65) toluene	11.549	92	399658	53.97	ug/kg	97
66) trans-1,3-dichloropropene	11.195	75	196201	52.59	ug/kg	98
67) 1,1,2-trichloroethane	11.366	83	91725	50.20	ug/kg	98
68) ethyl methacrylate	11.568	69	97593	49.51	ug/kg	84
70) tetrachloroethene	12.306	166	205800	59.82	ug/kg	100
71) 1,3-dichloropropane	11.605	76	169410	51.85	ug/kg	98
72) dibromochloromethane	11.886	129	161333	54.91	ug/kg	96
73) 1,2-dibromoethane	12.134	107	124516	53.53	ug/kg	99
74) 2-hexanone	11.721	43	38435	47.87	ug/kg	98
75) chlorobenzene	12.975	112	525781	55.92	ug/kg	97
76) 1-chlorohexane	12.872	91	226017	58.68	ug/kg	86
77) 1,1,1,2-tetrachloroethane	12.901	131	191999	57.70	ug/kg	96
78) ethylbenzene	13.145	91	773089	57.40	ug/kg	97
79) m,p-xylene	13.329	106	645061	114.55	ug/kg	97
80) o-xylene	13.741	106	318830	57.02	ug/kg	97
81) styrene	13.664	104	505010	59.90	ug/kg	97
82) bromoform	13.486	173	81051	54.64	ug/kg	96
83) cis-1,4-dichloro-2-butene	13.572	88	40462	53.06	ug/kg	88
84) trans-1,4-dichloro-2-b...	13.893	53	27276	53.94	ug/kg#	81
86) isopropylbenzene	14.107	105	816637	54.67	ug/kg	99
88) bromobenzene	14.394	156	237229	53.60	ug/kg	93
89) 1,1,2,2-tetrachloroethane	13.751	83	98668	46.43	ug/kg	97
90) 1,2,3-trichloropropane	13.893	75	113897	47.72	ug/kg	99
91) n-propylbenzene	14.554	91	889024	53.76	ug/kg	99
92) 2-chlorotoluene	14.675	91	548521	52.29	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73805.D
Acq On : 9 Sep 2013 9:19 am
Operator : GaryK
Sample : cc2393-50
Misc : ms29832,msk2397,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:53:07 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration

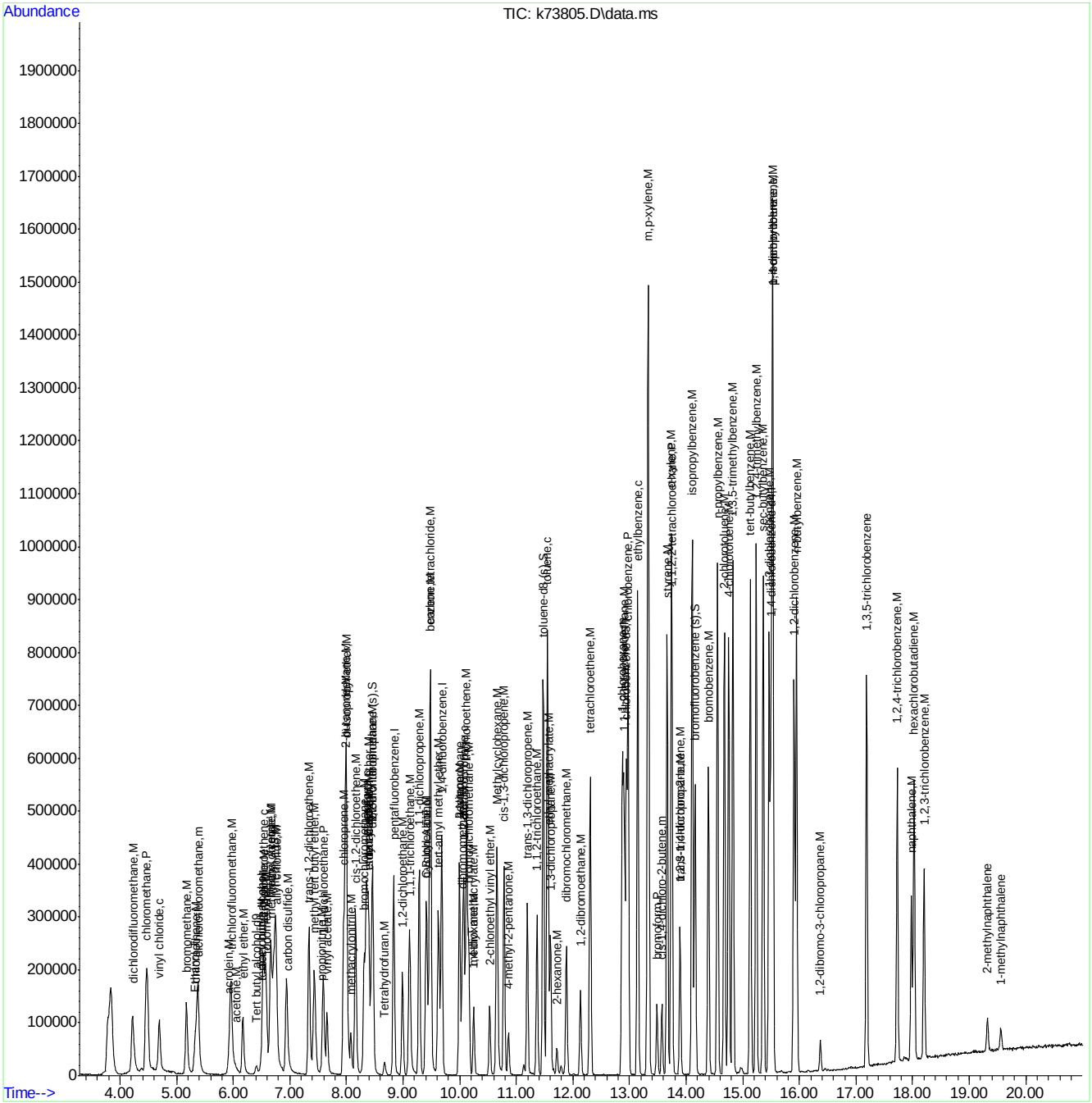
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-chlorotoluene	14.751	91	551660	51.96	ug/kg	96
94)	1,3,5-trimethylbenzene	14.825	105	646698	53.33	ug/kg	99
95)	tert-butylbenzene	15.133	91	351886	52.85	ug/kg	95
96)	1,2,4-trimethylbenzene	15.236	105	660705	54.56	ug/kg	99
97)	sec-butylbenzene	15.361	105	809171	53.36	ug/kg	99
98)	1,3-dichlorobenzene	15.465	146	449440	52.47	ug/kg	98
99)	p-isopropyltoluene	15.528	119	640046	53.54	ug/kg	98
100)	1,4-dichlorobenzene	15.527	146	414997	52.33	ug/kg	98
101)	1,2-dichlorobenzene	15.906	146	407288	53.00	ug/kg	97
102)	n-butylbenzene	15.949	91	579548	53.13	ug/kg	98
103)	1,2-dibromo-3-chloropr...	16.369	75	13590	42.94	ug/kg	88
104)	1,3,5-trichlorobenzene	17.188	180	303578	55.88	ug/kg	97
105)	1,2,4-trichlorobenzene	17.728	180	225904	52.34	ug/kg	98
106)	hexachlorobutadiene	18.025	225	128946	53.31	ug/kg	91
107)	naphthalene	17.977	128	314844	47.11	ug/kg	100
108)	1,2,3-trichlorobenzene	18.203	180	151855	48.05	ug/kg	97
109)	2-methylnaphthalene	19.321	142	41875	18.17	ug/kg	97
110)	1-methylnaphthalene	19.559	TIC	87563m	16.93	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\130909\
Data File : k73805.D
Acq On : 9 Sep 2013 9:19 am
Operator : GaryK
Sample : cc2393-50
Misc : ms29832,msk2397,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:53:07 2013
Quant Method : C:\msdchem\1\methods\K130903S.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Sep 04 08:37:25 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58636.D
Acq On : 21 Aug 2013 2:37 pm
Operator : krystend
Sample : IC2022-0.5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 08:23:35 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:22:00 2013
Response via : Initial Calibration

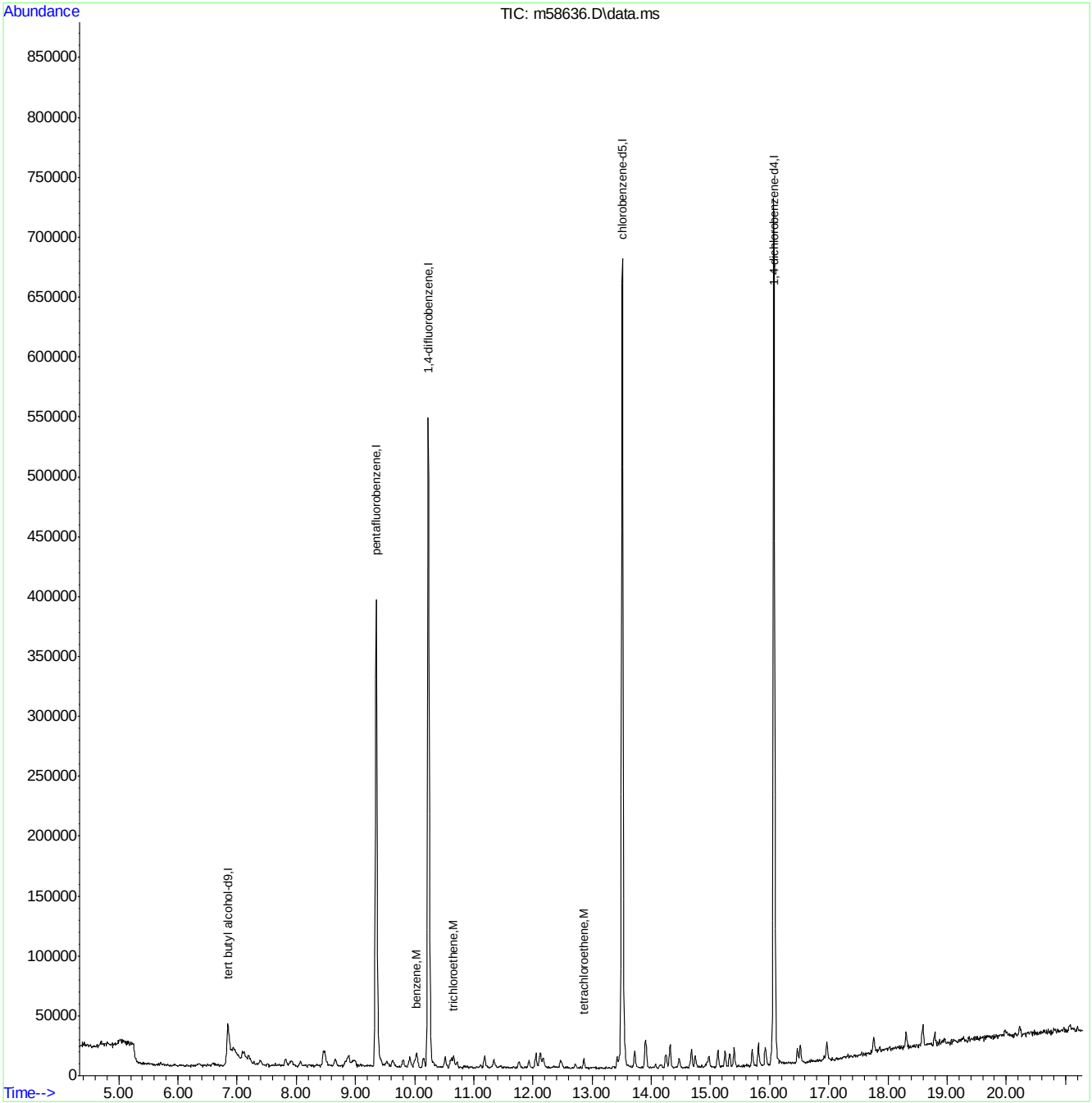
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	125230	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	290511	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	487688	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	208561	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	204058	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	0.000	113	0d	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
59) toluene-d8 (s)	0.000	98	0d	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
81) bromofluorobenzene (s)	0.000	95	0d	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
46) benzene	10.036	78	10302	0.65	ug/kg	90
50) trichloroethene	10.655	95	2530	0.60	ug/kg	88
66) tetrachloroethene	12.858	166	2213	0.63	ug/kg	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58636.D
Acq On : 21 Aug 2013 2:37 pm
Operator : krystend
Sample : IC2022-0.5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 08:23:35 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:22:00 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24023

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58637.D
Acq On : 21 Aug 2013 3:07 pm
Operator : krystend
Sample : IC2022-2
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 22 08:25:58 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:23:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.850	65	128874	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	301077	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	500343	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	210938	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	210898	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	7945	1.92	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 3.84%#			
59) toluene-d8 (s)	12.043	98	26163	1.85	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 3.70%#			
81) bromofluorobenzene (s)	14.738	95	8168	1.78	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 3.56%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	7658	19.65	ug/kg	70
3) Ethanol	5.651	45	3096	79.72	ug/kg#	39
5) dichlorodifluoromethane	4.445	85	9161	1.90	ug/kg	99
6) chloromethane	4.701	50	14972	2.11	ug/kg	87
7) vinyl chloride	4.984	62	16403	2.07	ug/kg	80
8) bromomethane ...	5.516	96	7998	2.35	ug/kg#	70
9) chloroethane	5.677	64	4226	1.61	ug/kg#	43
10) ethyl ether	6.607	59	5279	1.67	ug/kg	79
11) acetonitrile	6.614	41	2632	2.74	ug/kg#	38
12) trichlorofluoromethane	6.351	101	10186	1.49	ug/kg	92
13) freon-113	7.146	101	5465	1.48	ug/kg	97
15) 1,1-dichloroethene	6.951	96	6795	1.84	ug/kg#	82
17) Methyl Acetate	7.200	43	10617	1.85	ug/kg	93
18) methylene chloride	7.112	84	9404	2.28	ug/kg	92
19) methyl tert butyl ether	7.907	73	16694	1.65	ug/kg	91
21) allyl chloride	7.200	41	13894	1.93	ug/kg	94
22) trans-1,2-dichloroethene	7.826	96	8164	1.92	ug/kg	93
23) iodomethane	7.011	142	11710	1.63	ug/kg	92
24) carbon disulfide	7.388	76	22074	1.71	ug/kg	95
26) vinyl acetate	8.237	43	12058	1.21	ug/kg	81
27) chloroprene	8.446	53	11081	1.68	ug/kg	96
28) di-isopropyl ether	8.487	45	27298	1.71	ug/kg	83
29) methacrylonitrile	8.641	41	6176	2.25	ug/kg	76
31) 1,1-dichloroethane	8.082	63	12083	1.72	ug/kg	95
32) tert-butyl ethyl ether	8.884	59	18156	1.48	ug/kg	99
33) isobutyl alcohol	8.891	43	5165	9.07	ug/kg	77
34) 2,2-dichloropropane	8.951	77	8562	1.78	ug/kg	93
35) cis-1,2-dichloroethene	8.655	96	8346	1.75	ug/kg	94
36) ethyl acetate	8.891	43	5165	1.80	ug/kg	95
37) bromochloromethane	8.830	128	3731	1.72	ug/kg	86
38) chloroform	8.870	83	12568	1.72	ug/kg	95
40) Tetrahydrofuran	9.214	42	3904	2.63	ug/kg	73
41) 1,1,1-trichloroethane	9.638	97	10564	1.78	ug/kg	85
43) Cyclohexane	9.915	56	12233	1.82	ug/kg	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58637.D
Acq On : 21 Aug 2013 3:07 pm
Operator : krystend
Sample : IC2022-2
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 22 08:25:58 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:23:52 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	carbon tetrachloride	10.002	117	9279	1.75	ug/kg	98
45)	1,1-dichloropropene	9.814	75	9451	1.76	ug/kg	95
46)	benzene	10.036	78	28407	1.52	ug/kg	97
47)	1,2-dichloroethane	9.531	62	9457	1.68	ug/kg	99
48)	tert-amyl methyl ether	10.150	73	16924	1.77	ug/kg	92
49)	heptane	10.507	43	13200	1.78	ug/kg	95
50)	trichloroethene	10.669	95	7693	1.61	ug/kg	92
51)	1,2-dichloropropane	10.622	63	7565	1.70	ug/kg	93
52)	dibromomethane	10.602	93	4167	1.68	ug/kg	93
53)	bromodichloromethane	10.716	83	9180	1.59	ug/kg	84
54)	Methylcyclohexane	11.181	83	10913	1.52	ug/kg	85
55)	2-chloroethyl vinyl ether	11.100	63	2813	1.55	ug/kg#	47
56)	methyl methacrylate	10.824	69	3415	1.28	ug/kg#	78
58)	cis-1,3-dichloropropene	11.336	75	11165	1.64	ug/kg	90
60)	4-methyl-2-pentanone	11.437	43	8940	1.79	ug/kg#	82
61)	toluene	12.117	92	16606	1.61	ug/kg	96
62)	trans-1,3-dichloropropene	11.760	75	8720	1.54	ug/kg	92
63)	1,1,2-trichloroethane	11.929	83	5049	1.64	ug/kg	96
64)	ethyl methacrylate	12.138	69	7316	1.39	ug/kg	93
66)	tetrachloroethene	12.865	166	6304	1.57	ug/kg	92
67)	1,3-dichloropropane	12.171	76	9782	1.78	ug/kg	96
68)	dibromochloromethane	12.461	129	6880	1.62	ug/kg	91
69)	1,2-dibromoethane	12.717	107	6135	1.69	ug/kg	86
70)	2-hexanone	12.326	43	7816	1.81	ug/kg#	62
71)	chlorobenzene	13.546	112	19725	1.72	ug/kg	94
72)	1,1,1,2-tetrachloroethane	13.458	131	7194	1.82	ug/kg	90
73)	ethylbenzene	13.721	91	31475	1.68	ug/kg	96
74)	m,p-xylene	13.903	106	25645	3.30	ug/kg	90
75)	o-xylene	14.320	106	12426	1.61	ug/kg	83
76)	styrene	14.246	104	19320	1.66	ug/kg	87
77)	bromoform	14.071	173	3867	1.57	ug/kg	93
78)	trans-1,4-dichloro-2-b...	14.468	53	2739	1.79	ug/kg	89
80)	isopropylbenzene	14.677	105	32307	1.59	ug/kg	96
82)	bromobenzene	14.974	156	7465	1.60	ug/kg	95
83)	1,1,2,2-tetrachloroethane	14.320	83	8162	1.58	ug/kg	95
84)	1,2,3-trichloropropane	14.468	75	8063	1.52	ug/kg	97
85)	n-propylbenzene	15.129	91	37853	1.60	ug/kg	99
86)	2-chlorotoluene	15.243	91	22301	1.62	ug/kg	94
87)	4-chlorotoluene	15.324	91	22339	1.64	ug/kg	95
88)	1,3,5-trimethylbenzene	15.398	105	25624	1.46	ug/kg	91
89)	tert-butylbenzene	15.701	91	14863	1.55	ug/kg	88
90)	1,2,4-trimethylbenzene	15.809	105	25020	1.47	ug/kg	98
91)	sec-butylbenzene	15.923	105	34429	1.44	ug/kg	98
92)	1,3-dichlorobenzene	16.038	146	15816	1.63	ug/kg	97
93)	p-isopropyltoluene	16.099	119	27209	1.40	ug/kg	94
94)	1,4-dichlorobenzene	16.099	146	15890	1.48	ug/kg	93
95)	1,2-dichlorobenzene	16.469	146	14756	1.56	ug/kg	86
96)	n-butylbenzene	16.516	91	27362	1.44	ug/kg	98
97)	1,2-dibromo-3-chloropr...	16.954	75	1923m	2.10	ug/kg	
98)	1,3,5-trichlorobenzene	17.762	180	9882	1.55	ug/kg	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58637.D
Acq On : 21 Aug 2013 3:07 pm
Operator : krystend
Sample : IC2022-2
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 22 08:25:58 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:23:52 2013
Response via : Initial Calibration

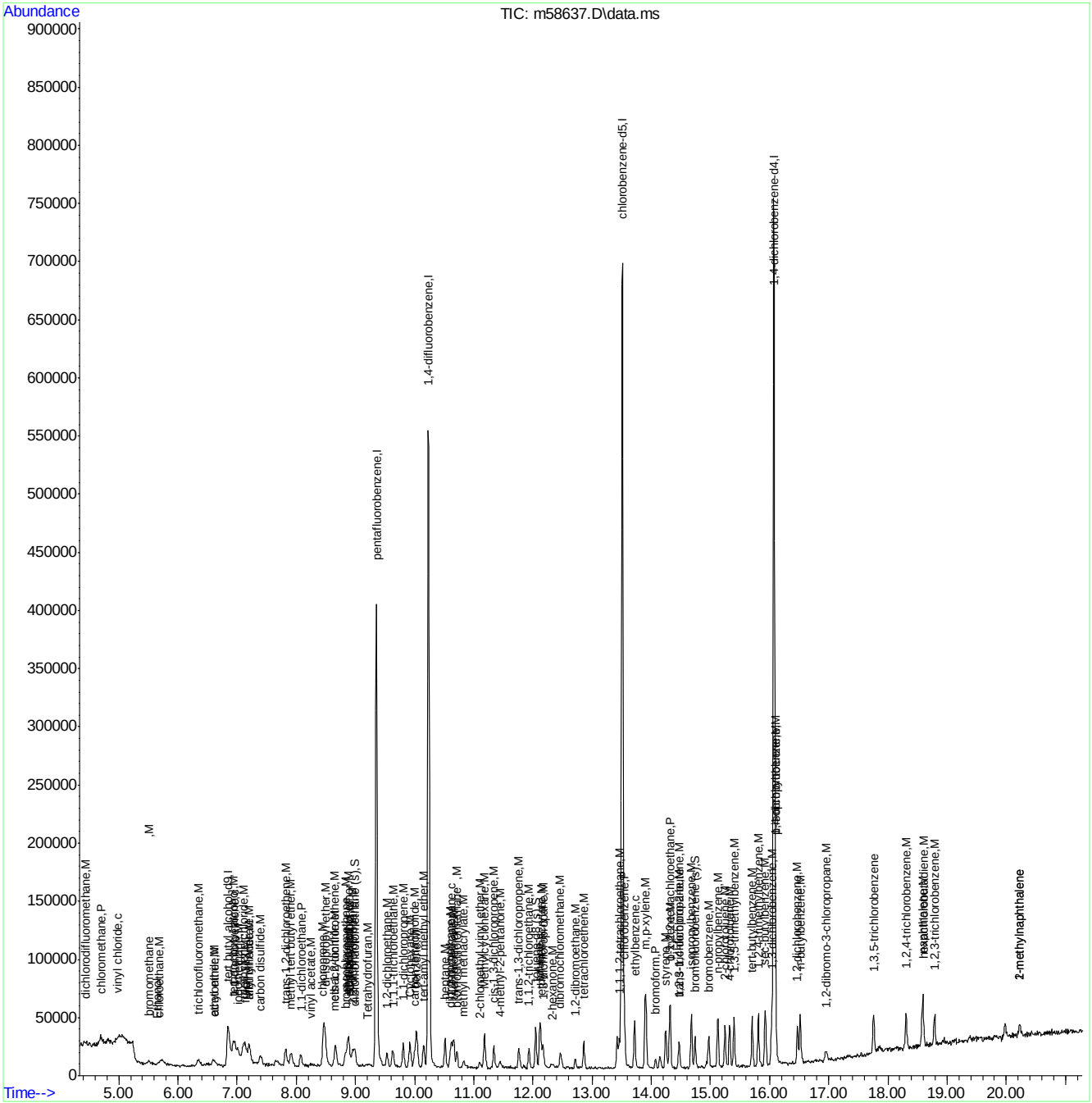
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99)	1,2,4-trichlorobenzene	18.308	180	9672	1.62	ug/kg	95
100)	hexachlorobutadiene	18.598	225	5037	1.64	ug/kg	79
101)	naphthalene	18.584	128	23533	1.48	ug/kg	100
102)	1,2,3-trichlorobenzene	18.793	180	9284	1.63	ug/kg	89
103)	2-methylnaphthalene	20.228	142	6495	0.77	ug/kg	98
104)	1-methylnaphthalene	20.228	TIC	106621	4.07	ug/kg#	62

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58637.D
Acq On : 21 Aug 2013 3:07 pm
Operator : krystend
Sample : IC2022-2
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 22 08:25:58 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:23:52 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58638.D
Acq On : 21 Aug 2013 3:36 pm
Operator : krystend
Sample : IC2022-5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 08:27:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:26:07 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	141836	500.00	ug/kg	0.00
4) pentafluorobenzene		9.355	168	299025	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	503895	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	216391	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	209821	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	20213	5.26	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	10.52%#		
59) toluene-d8 (s)		12.043	98	65377	4.99	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	9.98%#		
81) bromofluorobenzene (s)		14.738	95	22664	5.48	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	10.96%#		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.944	59	18874	44.39	ug/kg	78
3) Ethanol		5.650	45	7974	266.78	ug/kg#	84
5) dichlorodifluoromethane		4.424	85	19092	4.08	ug/kg	98
6) chloromethane		4.694	50	32374	4.47	ug/kg	94
7) vinyl chloride		4.984	62	38445	4.80	ug/kg	93
8) bromomethane	...	5.496	96	17517	4.77	ug/kg	90
9) chloroethane		5.691	64	12817	5.44	ug/kg	99
10) ethyl ether		6.587	59	13312	4.62	ug/kg	94
11) acetonitrile		6.594	41	4257	3.77	ug/kg	95
12) trichlorofluoromethane		6.338	101	33848	5.72	ug/kg	95
13) freon-113		7.139	101	15114	4.73	ug/kg	92
14) acrolein		6.412	56	4333	16.20	ug/kg	95
15) 1,1-dichloroethene		6.951	96	16905	4.80	ug/kg	83
16) acetone		6.614	58	2391	2.48	ug/kg#	28
17) Methyl Acetate		7.173	43	18399	3.35	ug/kg	83
18) methylene chloride		7.112	84	21395	4.88	ug/kg	86
19) methyl tert butyl ether		7.914	73	44190	4.82	ug/kg	98
20) acrylonitrile		7.106	53	6802	3.98	ug/kg	99
21) allyl chloride		7.193	41	34964	4.98	ug/kg	92
22) trans-1,2-dichloroethene		7.813	96	21634	5.23	ug/kg	95
23) iodomethane		7.018	142	30401	4.70	ug/kg	99
24) carbon disulfide		7.395	76	52813	4.44	ug/kg	99
25) propionitrile		8.204	54	2168m	3.95	ug/kg	
26) vinyl acetate		8.210	43	31863	4.02	ug/kg	100
27) chloroprene		8.446	53	27723	4.61	ug/kg	93
28) di-isopropyl ether		8.486	45	68698	4.68	ug/kg	92
29) methacrylonitrile		8.621	41	10148	3.50	ug/kg	94
30) 2-butanone		8.662	72	2065m	2.73	ug/kg	
31) 1,1-dichloroethane		8.076	63	32456	4.99	ug/kg	95
32) tert-butyl ethyl ether		8.884	59	51725	4.88	ug/kg	95
33) isobutyl alcohol		8.904	43	15700	29.11	ug/kg#	71
34) 2,2-dichloropropane		8.958	77	21611	4.78	ug/kg	95
35) cis-1,2-dichloroethene		8.662	96	22860	5.14	ug/kg	84
36) ethyl acetate		8.904	43	15700	5.80	ug/kg	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58638.D
Acq On : 21 Aug 2013 3:36 pm
Operator : krystend
Sample : IC2022-5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 08:27:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:26:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	9716	4.85	ug/kg	82
38) chloroform	8.864	83	31175	4.62	ug/kg	99
40) Tetrahydrofuran	9.207	42	8741	5.12	ug/kg	98
41) 1,1,1-trichloroethane	9.632	97	27320	4.90	ug/kg	99
43) Cyclohexane	9.921	56	31188	4.82	ug/kg	88
44) carbon tetrachloride	9.995	117	25263	5.04	ug/kg	92
45) 1,1-dichloropropene	9.807	75	25377	5.00	ug/kg	97
46) benzene	10.036	78	74513	4.30	ug/kg	96
47) 1,2-dichloroethane	9.531	62	25231	4.84	ug/kg	93
48) tert-amyl methyl ether	10.150	73	41674	4.59	ug/kg	99
49) heptane	10.514	43	33348	4.73	ug/kg	98
50) trichloroethene	10.662	95	19371	4.31	ug/kg	95
51) 1,2-dichloropropane	10.629	63	19941	4.81	ug/kg	91
52) dibromomethane	10.602	93	11067	4.81	ug/kg	98
53) bromodichloromethane	10.716	83	25169	4.82	ug/kg	96
54) Methylcyclohexane	11.181	83	30720	4.83	ug/kg	90
55) 2-chloroethyl vinyl ether	11.100	63	7406	4.56	ug/kg#	72
56) methyl methacrylate	10.811	69	10373	4.72	ug/kg	96
57) 1,4-dioxane	10.817	88	379m	9.79	ug/kg	
58) cis-1,3-dichloropropene	11.336	75	29386	4.71	ug/kg	94
60) 4-methyl-2-pentanone	11.430	43	24508	5.14	ug/kg	92
61) toluene	12.117	92	43860	4.68	ug/kg	97
62) trans-1,3-dichloropropene	11.760	75	24756	4.90	ug/kg	97
63) 1,1,2-trichloroethane	11.936	83	13377	4.75	ug/kg	96
64) ethyl methacrylate	12.138	69	19638	4.37	ug/kg	86
66) tetrachloroethene	12.858	166	16373	4.27	ug/kg	96
67) 1,3-dichloropropane	12.171	76	24718	4.63	ug/kg	99
68) dibromochloromethane	12.461	129	19247	4.88	ug/kg	86
69) 1,2-dibromoethane	12.710	107	16845	4.90	ug/kg	98
70) 2-hexanone	12.306	43	22642	5.37	ug/kg	88
71) chlorobenzene	13.546	112	53449	4.89	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.458	131	17912	4.62	ug/kg	99
73) ethylbenzene	13.714	91	84571	4.79	ug/kg	95
74) m,p-xylene	13.903	106	66820	9.19	ug/kg	99
75) o-xylene	14.313	106	32877	4.59	ug/kg	100
76) styrene	14.246	104	50574	4.62	ug/kg	94
77) bromoform	14.078	173	10641	4.72	ug/kg	96
78) trans-1,4-dichloro-2-b...	14.468	53	6653	4.48	ug/kg	95
80) isopropylbenzene	14.677	105	83853	4.63	ug/kg	100
82) bromobenzene	14.974	156	21229	5.08	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.320	83	21468	4.66	ug/kg	95
84) 1,2,3-trichloropropane	14.468	75	22139	4.77	ug/kg	88
85) n-propylbenzene	15.122	91	99988	4.71	ug/kg	97
86) 2-chlorotoluene	15.243	91	59177	4.77	ug/kg	98
87) 4-chlorotoluene	15.324	91	56918	4.62	ug/kg	91
88) 1,3,5-trimethylbenzene	15.398	105	67361	4.47	ug/kg	93
89) tert-butylbenzene	15.708	91	38702	4.57	ug/kg	93
90) 1,2,4-trimethylbenzene	15.809	105	67451	4.58	ug/kg	93
91) sec-butylbenzene	15.930	105	95612	4.68	ug/kg	100
92) 1,3-dichlorobenzene	16.038	146	41704	4.76	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58638.D
Acq On : 21 Aug 2013 3:36 pm
Operator : krystend
Sample : IC2022-5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 08:27:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:26:07 2013
Response via : Initial Calibration

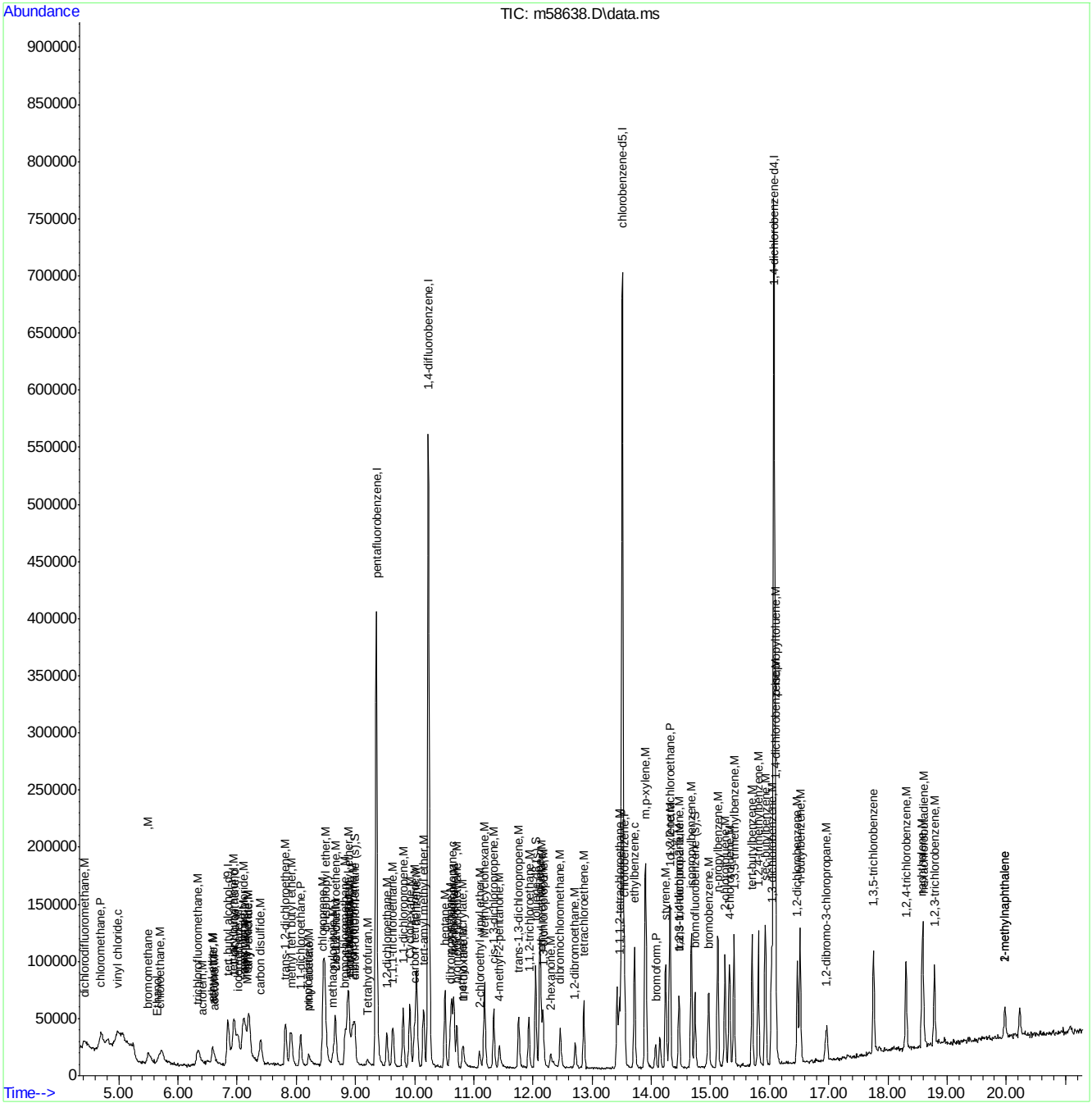
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	69506	4.23	ug/kg	96
94) 1,4-dichlorobenzene	16.105	146	41534	4.47	ug/kg	98
95) 1,2-dichlorobenzene	16.469	146	39580	4.73	ug/kg	99
96) n-butylbenzene	16.516	91	74879	4.61	ug/kg	95
97) 1,2-dibromo-3-chloropr...	16.954	75	5776	6.19	ug/kg#	76
98) 1,3,5-trichlorobenzene	17.756	180	28292	5.03	ug/kg	99
99) 1,2,4-trichlorobenzene	18.308	180	26041	4.85	ug/kg	99
100) hexachlorobutadiene	18.598	225	13008	4.68	ug/kg	92
101) naphthalene	18.578	128	64622	4.70	ug/kg	100
102) 1,2,3-trichlorobenzene	18.793	180	24563	4.78	ug/kg	99
103) 2-methylnaphthalene	19.979	142	18368	2.48	ug/kg#	93
104) 1-methylnaphthalene	19.979	TIC	73432	1.11	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58638.D
Acq On : 21 Aug 2013 3:36 pm
Operator : krystend
Sample : IC2022-5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 08:27:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:26:07 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24023

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58639.D
Acq On : 21 Aug 2013 4:05 pm
Operator : krystend
Sample : IC2022-10
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 08:27:57 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:27:22 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	133918	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	294681	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	503178	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	216735	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	216300	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	39799	10.66	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 21.32%#			
59) toluene-d8 (s)	12.043	98	137795	10.87	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 21.74%#			
81) bromofluorobenzene (s)	14.738	95	45749	10.75	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 21.50%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	33823	87.53	ug/kg	93
3) Ethanol	5.650	45	33144	1390.64	ug/kg#	84
5) dichlorodifluoromethane	4.438	85	46389	10.72	ug/kg	85
6) chloromethane	4.694	50	70835	10.29	ug/kg	95
7) vinyl chloride	4.970	62	81543	10.47	ug/kg	89
8) bromomethane ...	5.496	96	37955	10.64	ug/kg	88
9) chloroethane	5.684	64	28471	11.91	ug/kg	98
10) ethyl ether	6.587	59	29085	10.51	ug/kg	87
11) acetonitrile	6.587	41	5541	5.42	ug/kg	73
12) trichlorofluoromethane	6.338	101	60468	9.90	ug/kg	99
13) freon-113	7.146	101	32435	10.50	ug/kg	94
14) acrolein	6.371	56	8715	40.13	ug/kg	95
15) 1,1-dichloroethene	6.951	96	35170	10.26	ug/kg	99
16) acetone	6.573	58	6890	9.69	ug/kg#	82
17) Methyl Acetate	7.153	43	37712	7.83	ug/kg	93
18) methylene chloride	7.099	84	46177	10.77	ug/kg	97
19) methyl tert butyl ether	7.907	73	90678	10.16	ug/kg	95
20) acrylonitrile	7.052	53	12994	8.60	ug/kg	87
21) allyl chloride	7.200	41	72089	10.43	ug/kg	93
22) trans-1,2-dichloroethene	7.813	96	40852	9.87	ug/kg	96
23) iodomethane	7.018	142	67724	10.84	ug/kg	98
24) carbon disulfide	7.395	76	124101	10.99	ug/kg	99
25) propionitrile	8.190	54	3862	7.97	ug/kg	100
26) vinyl acetate	8.190	43	74067	10.14	ug/kg	97
27) chloroprene	8.446	53	59534	10.31	ug/kg	89
28) di-isopropyl ether	8.486	45	140106	9.89	ug/kg	90
29) methacrylonitrile	8.614	41	22951	8.93	ug/kg	97
30) 2-butanone	8.534	72	6768	11.75	ug/kg#	1
31) 1,1-dichloroethane	8.076	63	66601	10.40	ug/kg	98
32) tert-butyl ethyl ether	8.884	59	106874	10.32	ug/kg	97
33) isobutyl alcohol	8.891	43	27751	49.50	ug/kg	100
34) 2,2-dichloropropane	8.958	77	46600	10.62	ug/kg	99
35) cis-1,2-dichloroethene	8.662	96	44421	10.04	ug/kg	95
36) ethyl acetate	8.891	43	28004	9.97	ug/kg	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58639.D
Acq On : 21 Aug 2013 4:05 pm
Operator : krystend
Sample : IC2022-10
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 08:27:57 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:27:22 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	19607	10.04	ug/kg	89
38) chloroform	8.864	83	65913	10.16	ug/kg	99
40) Tetrahydrofuran	9.214	42	13913	8.20	ug/kg	83
41) 1,1,1-trichloroethane	9.632	97	56161	10.29	ug/kg	95
43) Cyclohexane	9.921	56	62768	9.83	ug/kg	95
44) carbon tetrachloride	10.002	117	51373	10.24	ug/kg	95
45) 1,1-dichloropropene	9.807	75	51718	10.20	ug/kg	99
46) benzene	10.036	78	153694	9.21	ug/kg	99
47) 1,2-dichloroethane	9.531	62	50871	9.88	ug/kg	99
48) tert-amyl methyl ether	10.150	73	85107	9.66	ug/kg	98
49) heptane	10.514	43	69478	10.05	ug/kg	96
50) trichloroethene	10.662	95	41705	9.63	ug/kg	97
51) 1,2-dichloropropane	10.622	63	42450	10.39	ug/kg	98
52) dibromomethane	10.602	93	22337	9.85	ug/kg	95
53) bromodichloromethane	10.716	83	52538	10.20	ug/kg	97
54) Methylcyclohexane	11.181	83	65621	10.45	ug/kg	98
55) 2-chloroethyl vinyl ether	11.093	63	16374	10.41	ug/kg	96
56) methyl methacrylate	10.811	69	21661	10.06	ug/kg	99
57) 1,4-dioxane	10.844	88	1326m	49.28	ug/kg	
58) cis-1,3-dichloropropene	11.336	75	60810	9.95	ug/kg	95
60) 4-methyl-2-pentanone	11.430	43	46312	9.64	ug/kg	93
61) toluene	12.117	92	92664	10.12	ug/kg	97
62) trans-1,3-dichloropropene	11.760	75	50689	10.12	ug/kg	97
63) 1,1,2-trichloroethane	11.935	83	27256	9.85	ug/kg	96
64) ethyl methacrylate	12.131	69	41357	9.62	ug/kg	99
66) tetrachloroethene	12.858	166	34600	9.36	ug/kg	92
67) 1,3-dichloropropane	12.171	76	50588	9.71	ug/kg	97
68) dibromochloromethane	12.461	129	38928	9.94	ug/kg	97
69) 1,2-dibromoethane	12.717	107	33176	9.70	ug/kg	98
70) 2-hexanone	12.293	43	42896	9.91	ug/kg	96
71) chlorobenzene	13.545	112	111493	10.26	ug/kg	100
72) 1,1,1,2-tetrachloroethane	13.465	131	38005	10.04	ug/kg	96
73) ethylbenzene	13.714	91	178505	10.23	ug/kg	97
74) m,p-xylene	13.903	106	141425	19.95	ug/kg	96
75) o-xylene	14.313	106	70263	10.07	ug/kg	97
76) styrene	14.246	104	110681	10.36	ug/kg	95
77) bromoform	14.071	173	22198	10.02	ug/kg	90
78) trans-1,4-dichloro-2-b...	14.468	53	13249	9.22	ug/kg#	83
80) isopropylbenzene	14.677	105	184386	10.12	ug/kg	98
82) bromobenzene	14.974	156	43307	10.00	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.320	83	44504	9.59	ug/kg	93
84) 1,2,3-trichloropropane	14.468	75	44875	9.52	ug/kg	96
85) n-propylbenzene	15.122	91	219857	10.25	ug/kg	99
86) 2-chlorotoluene	15.243	91	126141	10.02	ug/kg	98
87) 4-chlorotoluene	15.324	91	124974	10.10	ug/kg	98
88) 1,3,5-trimethylbenzene	15.398	105	150711	10.05	ug/kg	97
89) tert-butylbenzene	15.708	91	83916	9.90	ug/kg	98
90) 1,2,4-trimethylbenzene	15.809	105	146287	9.92	ug/kg	99
91) sec-butylbenzene	15.930	105	202283	9.81	ug/kg	99
92) 1,3-dichlorobenzene	16.038	146	88987	10.01	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58639.D
Acq On : 21 Aug 2013 4:05 pm
Operator : krystend
Sample : IC2022-10
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 08:27:57 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:27:22 2013
Response via : Initial Calibration

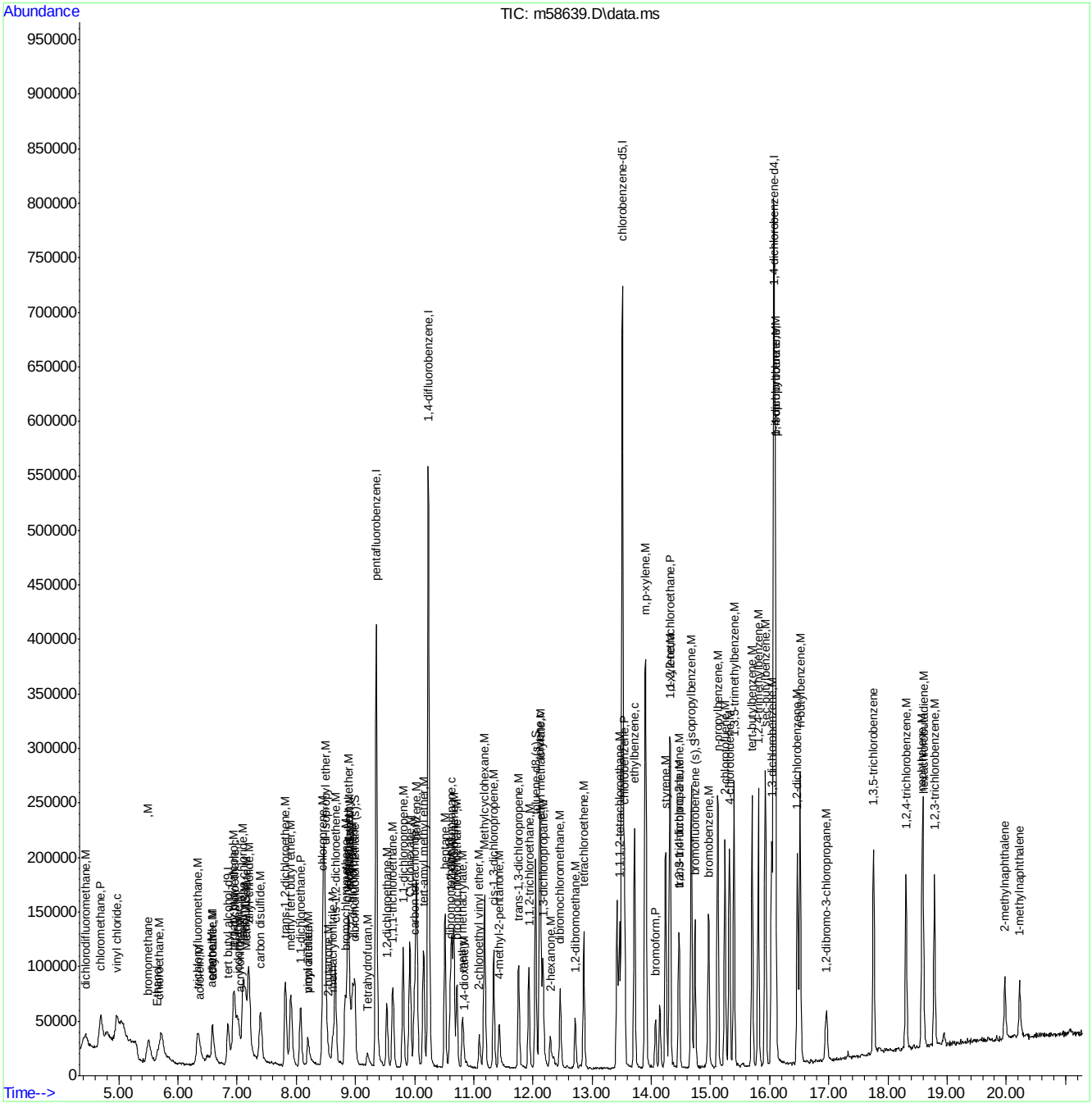
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	154801	9.64	ug/kg	99
94)	1,4-dichlorobenzene	16.099	146	90173	9.75	ug/kg	97
95)	1,2-dichlorobenzene	16.469	146	84187	9.94	ug/kg	98
96)	n-butylbenzene	16.516	91	164221	10.07	ug/kg	96
97)	1,2-dibromo-3-chloropr...	16.954	75	9809	9.45	ug/kg#	69
98)	1,3,5-trichlorobenzene	17.756	180	59191	10.18	ug/kg	94
99)	1,2,4-trichlorobenzene	18.308	180	55505	10.12	ug/kg	94
100)	hexachlorobutadiene	18.598	225	27376	9.77	ug/kg	96
101)	naphthalene	18.578	128	135371	9.74	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	52335	10.03	ug/kg	97
103)	2-methylnaphthalene	19.979	142	35914	4.72	ug/kg	96
104)	1-methylnaphthalene	20.228	TIC	162412	2.93	ug/kg#	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58639.D
Acq On : 21 Aug 2013 4:05 pm
Operator : krystend
Sample : IC2022-10
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 08:27:57 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:27:22 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58640.D
Acq On : 21 Aug 2013 4:35 pm
Operator : krystend
Sample : IC2022-20
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 22 08:38:20 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	138315	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	308232	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	526542	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	226339	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	224045	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	84513	21.81	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 43.62%#			
59) toluene-d8 (s)	12.043	98	291048	22.01	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 44.02%#			
81) bromofluorobenzene (s)	14.738	95	98129	22.39	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 44.78%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.944	59	72131	186.55	ug/kg	91
3) Ethanol	5.657	45	71872	2659.94	ug/kg	90
5) dichlorodifluoromethane	4.431	85	93564	20.31	ug/kg	98
6) chloromethane	4.694	50	143894	19.84	ug/kg	97
7) vinyl chloride	4.963	62	176496	21.41	ug/kg	92
8) bromomethane ...	5.496	96	80760	21.31	ug/kg	98
9) chloroethane	5.677	64	54158	20.68	ug/kg	98
10) ethyl ether	6.587	59	62985	21.48	ug/kg	97
11) acetonitrile	6.580	41	19529	20.63	ug/kg	83
12) trichlorofluoromethane	6.338	101	135900	21.32	ug/kg	96
13) freon-113	7.153	101	70398	21.51	ug/kg	99
14) acrolein	6.365	56	19953	94.02	ug/kg	86
15) 1,1-dichloroethene	6.957	96	76479	21.20	ug/kg	89
16) acetone	6.513	58	13082m	17.77	ug/kg	
17) Methyl Acetate	7.139	43	96541	20.27	ug/kg	95
18) methylene chloride	7.106	84	90201	19.73	ug/kg	96
19) methyl tert butyl ether	7.907	73	181033	19.31	ug/kg	95
20) acrylonitrile	7.038	53	30379	20.16	ug/kg	84
21) allyl chloride	7.193	41	142624	19.52	ug/kg	92
22) trans-1,2-dichloroethene	7.820	96	77568	17.97	ug/kg	96
23) iodomethane	7.011	142	135978	20.38	ug/kg	96
24) carbon disulfide	7.395	76	248484	20.54	ug/kg	98
25) propionitrile	8.170	54	9032	19.12	ug/kg	100
26) vinyl acetate	8.183	43	164482	21.46	ug/kg	98
27) chloroprene	8.446	53	127891	21.01	ug/kg	100
28) di-isopropyl ether	8.486	45	297883	20.16	ug/kg	87
29) methacrylonitrile	8.614	41	46873	17.92	ug/kg	90
30) 2-butanone	8.507	72	11638	18.25	ug/kg#	76
31) 1,1-dichloroethane	8.076	63	136478	20.18	ug/kg	97
32) tert-butyl ethyl ether	8.891	59	220429	20.18	ug/kg	97
33) isobutyl alcohol	8.884	43	62182	106.30	ug/kg#	75
34) 2,2-dichloropropane	8.951	77	89276	19.16	ug/kg	99
35) cis-1,2-dichloroethene	8.655	96	93083	20.10	ug/kg	92
36) ethyl acetate	8.884	43	62140	21.17	ug/kg	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58640.D
Acq On : 21 Aug 2013 4:35 pm
Operator : krystend
Sample : IC2022-20
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 22 08:38:20 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	41207	20.15	ug/kg	95
38) chloroform	8.864	83	138560	20.34	ug/kg	99
40) Tetrahydrofuran	9.201	42	30016	17.71	ug/kg	91
41) 1,1,1-trichloroethane	9.632	97	113214	19.69	ug/kg	98
43) Cyclohexane	9.921	56	124508	18.72	ug/kg	95
44) carbon tetrachloride	10.002	117	104752	19.83	ug/kg	93
45) 1,1-dichloropropene	9.807	75	108083	20.27	ug/kg	100
46) benzene	10.036	78	319888	18.61	ug/kg	100
47) 1,2-dichloroethane	9.531	62	109189	20.32	ug/kg	99
48) tert-amyl methyl ether	10.150	73	185187	20.26	ug/kg	96
49) heptane	10.507	43	139755	19.30	ug/kg	97
50) trichloroethene	10.656	95	84070	18.69	ug/kg	98
51) 1,2-dichloropropane	10.622	63	86853	20.12	ug/kg	100
52) dibromomethane	10.602	93	48317	20.43	ug/kg	95
53) bromodichloromethane	10.716	83	111824	20.64	ug/kg	99
54) Methylcyclohexane	11.188	83	131585	19.80	ug/kg	96
55) 2-chloroethyl vinyl ether	11.087	63	36183	21.76	ug/kg	96
56) methyl methacrylate	10.804	69	47357	20.98	ug/kg	92
57) 1,4-dioxane	10.811	88	3976	141.89	ug/kg	77
58) cis-1,3-dichloropropene	11.336	75	131842	20.65	ug/kg	98
60) 4-methyl-2-pentanone	11.424	43	87618	17.58	ug/kg	99
61) toluene	12.117	92	193082	20.09	ug/kg	98
62) trans-1,3-dichloropropene	11.754	75	108302	20.60	ug/kg	99
63) 1,1,2-trichloroethane	11.929	83	58552	20.30	ug/kg	98
64) ethyl methacrylate	12.131	69	92704	20.81	ug/kg	98
66) tetrachloroethene	12.858	166	73859	19.37	ug/kg	95
67) 1,3-dichloropropane	12.165	76	113763	21.06	ug/kg	100
68) dibromochloromethane	12.461	129	83028	20.33	ug/kg	99
69) 1,2-dibromoethane	12.710	107	72222	20.37	ug/kg	96
70) 2-hexanone	12.286	43	78978	17.51	ug/kg	99
71) chlorobenzene	13.546	112	229586	20.10	ug/kg	97
72) 1,1,1,2-tetrachloroethane	13.465	131	79979	20.22	ug/kg	98
73) ethylbenzene	13.714	91	367310	20.04	ug/kg	99
74) m,p-xylene	13.903	106	300255	40.59	ug/kg	99
75) o-xylene	14.313	106	148227	20.31	ug/kg	99
76) styrene	14.239	104	232602	20.66	ug/kg	100
77) bromoform	14.071	173	47768	20.63	ug/kg	95
78) trans-1,4-dichloro-2-b...	14.468	53	27563	18.73	ug/kg	88
80) isopropylbenzene	14.677	105	384437	20.31	ug/kg	100
82) bromobenzene	14.974	156	90422	20.15	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.320	83	94545	19.88	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	97380	20.19	ug/kg	100
85) n-propylbenzene	15.122	91	452676	20.25	ug/kg	98
86) 2-chlorotoluene	15.243	91	259054	19.86	ug/kg	99
87) 4-chlorotoluene	15.324	91	264638	20.59	ug/kg	98
88) 1,3,5-trimethylbenzene	15.398	105	321478	20.68	ug/kg	99
89) tert-butylbenzene	15.708	91	177869	20.31	ug/kg	93
90) 1,2,4-trimethylbenzene	15.809	105	312139	20.47	ug/kg	100
91) sec-butylbenzene	15.930	105	439925	20.69	ug/kg	98
92) 1,3-dichlorobenzene	16.031	146	183628	19.93	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58640.D
Acq On : 21 Aug 2013 4:35 pm
Operator : krystend
Sample : IC2022-20
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 22 08:38:20 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:07 2013
Response via : Initial Calibration

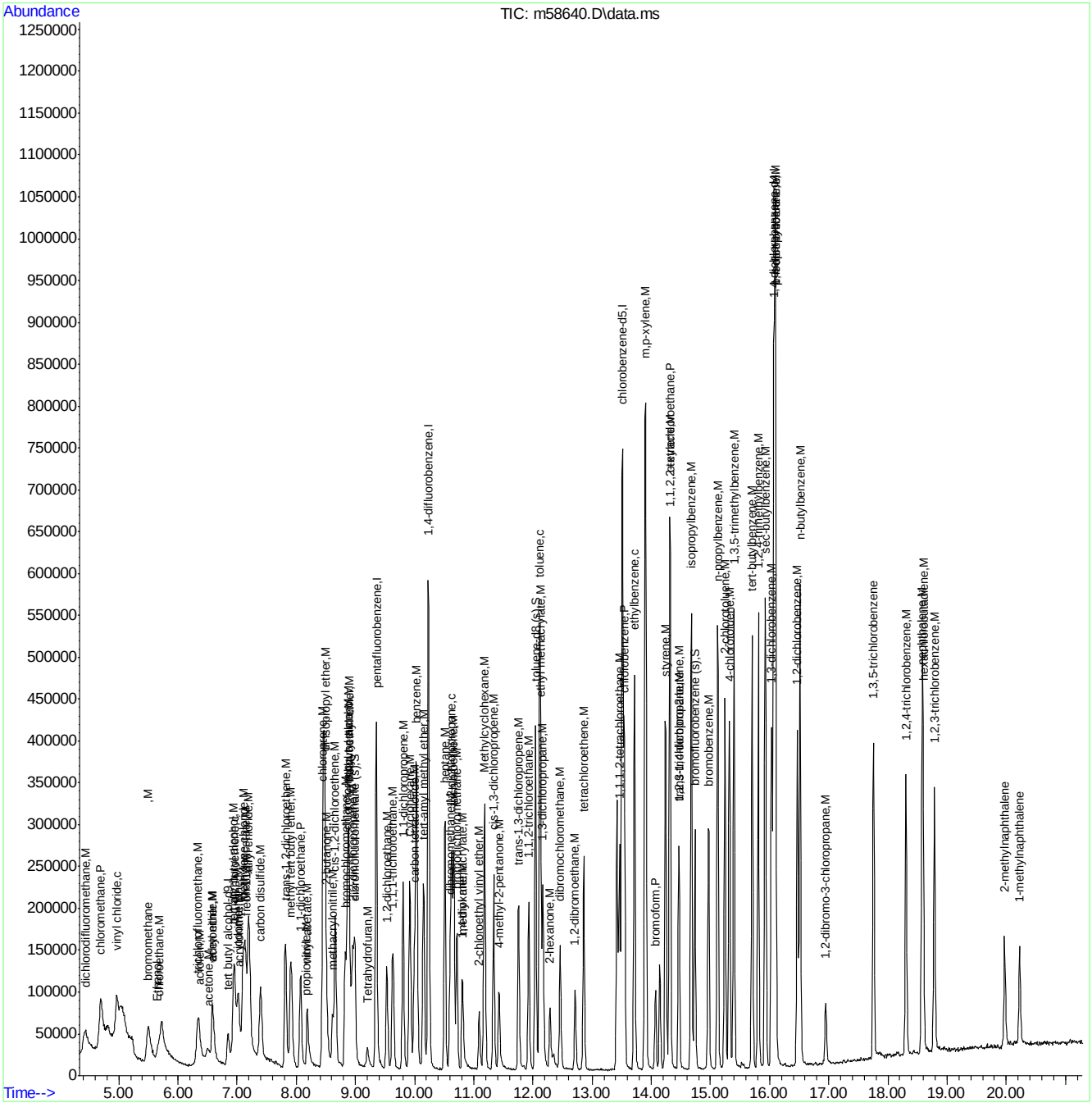
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	334042	20.26	ug/kg	100
94) 1,4-dichlorobenzene	16.099	146	189086	19.87	ug/kg	100
95) 1,2-dichlorobenzene	16.469	146	182787	20.86	ug/kg	96
96) n-butylbenzene	16.516	91	344019	20.32	ug/kg	95
97) 1,2-dibromo-3-chloropr...	16.947	75	18272	17.23	ug/kg	85
98) 1,3,5-trichlorobenzene	17.756	180	123142	20.36	ug/kg	99
99) 1,2,4-trichlorobenzene	18.308	180	113984	20.01	ug/kg	97
100) hexachlorobutadiene	18.598	225	57818	20.03	ug/kg	90
101) naphthalene	18.578	128	297909	20.83	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	108856	20.13	ug/kg	95
103) 2-methylnaphthalene	19.972	142	81260	10.45	ug/kg	99
104) 1-methylnaphthalene	20.228	TIC	287362	5.58	ug/kg	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58640.D
Acq On : 21 Aug 2013 4:35 pm
Operator : krystend
Sample : IC2022-20
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 22 08:38:20 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:07 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58641.D
Acq On : 21 Aug 2013 5:08 pm
Operator : krystend
Sample : ICC2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 08:41:08 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:40:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.849	65	133210	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	319026	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	550096	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	245364	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	248561	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	240789	58.96	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 117.92%			
59) toluene-d8 (s)	12.043	98	854645	58.90	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 117.80%			
81) bromofluorobenzene (s)	14.738	95	297874	61.70	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 123.40%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	201417	563.43	ug/kg	100
3) Ethanol	5.657	45	200720	5679.18	ug/kg	100
5) dichlorodifluoromethane	4.431	85	256075	56.92	ug/kg	100
6) chloromethane	4.700	50	376065	53.84	ug/kg	100
7) vinyl chloride	4.970	62	420391	51.68	ug/kg	100
8) bromomethane ...	5.509	96	180936	48.63	ug/kg	100
9) chloroethane	5.671	64	136479m	52.05	ug/kg	
10) ethyl ether	6.580	59	167701	54.70	ug/kg	100
11) acetonitrile	6.580	41	49587	52.24	ug/kg	98
12) trichlorofluoromethane	6.344	101	364040	55.62	ug/kg	100
13) freon-113	7.146	101	193776	56.91	ug/kg	99
14) acrolein	6.331	56	71331	305.70	ug/kg	100
15) 1,1-dichloroethene	6.950	96	196104	52.50	ug/kg	100
16) acetone	6.472	58	42985m	61.56	ug/kg	
17) Methyl Acetate	7.132	43	304395	59.12	ug/kg	100
18) methylene chloride	7.105	84	223685m	50.44	ug/kg	
19) methyl tert butyl ether	7.907	73	534305	56.01	ug/kg	100
20) acrylonitrile	7.011	53	91079	57.95	ug/kg	100
21) allyl chloride	7.200	41	381333	51.62	ug/kg	100
22) trans-1,2-dichloroethene	7.813	96	223770	51.87	ug/kg	100
23) iodomethane	7.011	142	380164	53.79	ug/kg	100
24) carbon disulfide	7.395	76	684854	54.58	ug/kg	100
25) propionitrile	8.156	54	29307	55.88	ug/kg	100
26) vinyl acetate	8.170	43	525049	58.61	ug/kg	100
27) chloroprene	8.446	53	348522	53.59	ug/kg	100
28) di-isopropyl ether	8.486	45	843619	54.11	ug/kg	100
29) methacrylonitrile	8.608	41	145363	55.24	ug/kg	100
30) 2-butanone	8.500	72	40327	56.68	ug/kg	100
31) 1,1-dichloroethane	8.075	63	373275	53.63	ug/kg	100
32) tert-butyl ethyl ether	8.891	59	649714	56.24	ug/kg	100
33) isobutyl alcohol	8.891	43	150282	257.76	ug/kg	100
34) 2,2-dichloropropane	8.951	77	254603	54.39	ug/kg	100
35) cis-1,2-dichloroethene	8.655	96	252856	52.07	ug/kg	100
36) ethyl acetate	8.891	43	156155	53.29	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58641.D
Acq On : 21 Aug 2013 5:08 pm
Operator : krystend
Sample : ICC2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 08:41:08 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:40:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	114742	52.82	ug/kg	100
38) chloroform	8.864	83	387756	53.68	ug/kg	100
40) Tetrahydrofuran	9.200	42	78771	51.62	ug/kg	100
41) 1,1,1-trichloroethane	9.632	97	315119	53.62	ug/kg	100
43) Cyclohexane	9.921	56	370769	54.65	ug/kg	100
44) carbon tetrachloride	10.002	117	292775	52.10	ug/kg	100
45) 1,1-dichloropropene	9.807	75	295050	52.29	ug/kg	100
46) benzene	10.036	78	895986	50.71	ug/kg	100
47) 1,2-dichloroethane	9.530	62	309778	55.56	ug/kg	100
48) tert-amyl methyl ether	10.150	73	525932	55.17	ug/kg	100
49) heptane	10.507	43	406732	54.31	ug/kg	100
50) trichloroethene	10.662	95	238846	51.05	ug/kg	100
51) 1,2-dichloropropane	10.622	63	244715	53.40	ug/kg	100
52) dibromomethane	10.602	93	136885	54.44	ug/kg	100
53) bromodichloromethane	10.716	83	318148	54.81	ug/kg	100
54) Methylcyclohexane	11.181	83	395374	55.33	ug/kg	100
55) 2-chloroethyl vinyl ether	11.087	63	100031	54.63	ug/kg	100
56) methyl methacrylate	10.804	69	146402	58.12	ug/kg	100
57) 1,4-dioxane	10.804	88	10591	274.03	ug/kg	100
58) cis-1,3-dichloropropene	11.336	75	374798	53.97	ug/kg	100
60) 4-methyl-2-pentanone	11.423	43	275445	55.22	ug/kg	100
61) toluene	12.117	92	567923	52.25	ug/kg	100
62) trans-1,3-dichloropropene	11.753	75	312006	54.33	ug/kg	100
63) 1,1,2-trichloroethane	11.929	83	169261	54.95	ug/kg	100
64) ethyl methacrylate	12.124	69	290156	54.58	ug/kg	100
66) tetrachloroethene	12.858	166	208025	53.10	ug/kg	100
67) 1,3-dichloropropane	12.164	76	322030	56.46	ug/kg	100
68) dibromochloromethane	12.461	129	246873	57.13	ug/kg	100
69) 1,2-dibromoethane	12.710	107	211468	57.64	ug/kg	100
70) 2-hexanone	12.279	43	255086	56.58	ug/kg	99
71) chlorobenzene	13.545	112	665471	55.12	ug/kg	100
72) 1,1,1,2-tetrachloroethane	13.465	131	230214	54.90	ug/kg	100
73) ethylbenzene	13.714	91	1088464	55.73	ug/kg	100
74) m,p-xylene	13.902	106	903875	110.19	ug/kg	100
75) o-xylene	14.313	106	450270	55.10	ug/kg	100
76) styrene	14.239	104	678744	54.95	ug/kg	100
77) bromoform	14.071	173	143214	56.65	ug/kg	100
78) trans-1,4-dichloro-2-b...	14.461	53	88892	58.91	ug/kg	100
80) isopropylbenzene	14.677	105	1194327	56.76	ug/kg	100
82) bromobenzene	14.967	156	275366	55.47	ug/kg	100
83) 1,1,2,2-tetrachloroethane	14.320	83	304945	58.76	ug/kg	100
84) 1,2,3-trichloropropane	14.468	75	312424	59.79	ug/kg	100
85) n-propylbenzene	15.122	91	1397998	57.37	ug/kg	100
86) 2-chlorotoluene	15.243	91	811548	56.69	ug/kg	100
87) 4-chlorotoluene	15.317	91	793527	55.57	ug/kg	100
88) 1,3,5-trimethylbenzene	15.398	105	1030930	57.90	ug/kg	100
89) tert-butylbenzene	15.708	91	564250	57.01	ug/kg	100
90) 1,2,4-trimethylbenzene	15.809	105	1006073	57.50	ug/kg	100
91) sec-butylbenzene	15.930	105	1407644	58.46	ug/kg	100
92) 1,3-dichlorobenzene	16.038	146	572854	54.93	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58641.D
Acq On : 21 Aug 2013 5:08 pm
Operator : krystend
Sample : ICC2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 08:41:08 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:40:43 2013
Response via : Initial Calibration

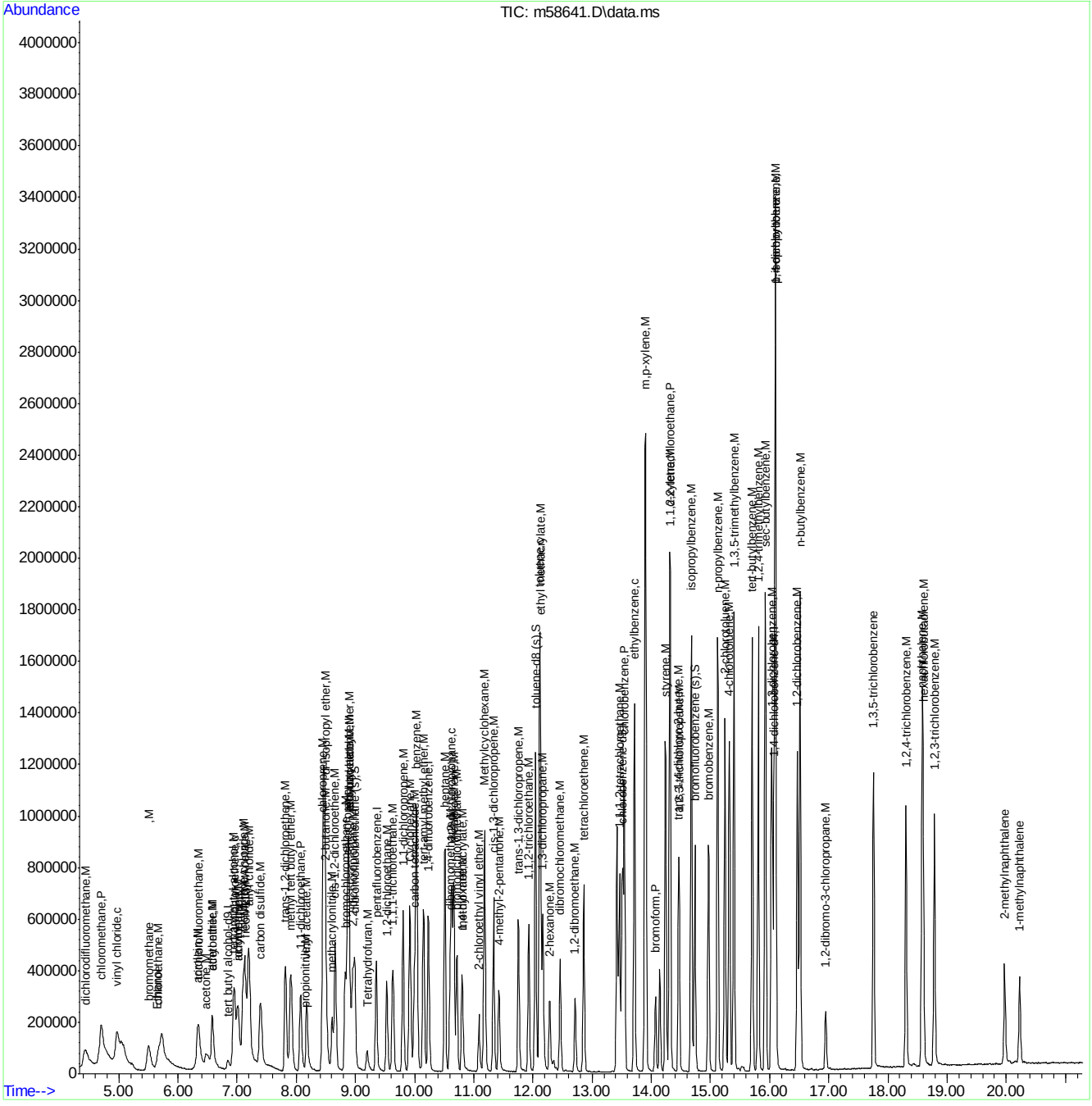
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.098	119	1144024	59.37	ug/kg	100
94)	1,4-dichlorobenzene	16.098	146	626542	56.81	ug/kg	100
95)	1,2-dichlorobenzene	16.469	146	556888	54.92	ug/kg	100
96)	n-butylbenzene	16.516	91	1119005	59.51	ug/kg	100
97)	1,2-dibromo-3-chloropr...	16.947	75	53838	60.34	ug/kg	100
98)	1,3,5-trichlorobenzene	17.756	180	375220	56.54	ug/kg	100
99)	1,2,4-trichlorobenzene	18.308	180	351656	56.91	ug/kg	100
100)	hexachlorobutadiene	18.598	225	180523	55.74	ug/kg	100
101)	naphthalene	18.577	128	936217	56.43	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	334655	56.27	ug/kg	100
103)	2-methylnaphthalene	19.972	142	246957	28.86	ug/kg	99
104)	1-methylnaphthalene	20.228	TIC	771562	28.32	ug/kg	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58641.D
Acq On : 21 Aug 2013 5:08 pm
Operator : krystend
Sample : ICC2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 08:41:08 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:40:43 2013
Response via : Initial Calibration



M58642.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski 08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58642.D
Acq On : 21 Aug 2013 5:37 pm
Operator : krystend
Sample : IC2022-100
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 22 08:38:55 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	148956	500.00	ug/kg	-0.01
4) pentafluorobenzene	9.349	168	333659	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	570156	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	273174	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	302693	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	473829	113.16	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 226.32%#			
59) toluene-d8 (s)	12.043	98	1711926	119.55	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 239.10%#			
81) bromofluorobenzene (s)	14.738	95	653746	110.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 220.00%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	384702	936.44	ug/kg	95
3) Ethanol	5.651	45	386426	12457.60	ug/kg	97
5) dichlorodifluoromethane	4.424	85	429080	85.78	ug/kg	98
6) chloromethane	4.694	50	689665	87.98	ug/kg	98
7) vinyl chloride	4.970	62	809177	89.41	ug/kg	99
8) bromomethane ...	5.496	96	354179	85.22	ug/kg	96
9) chloroethane	5.671	64	274083	96.02	ug/kg	96
10) ethyl ether	6.573	59	319480	99.18	ug/kg	94
11) acetonitrile	6.567	41	86560	83.93	ug/kg	96
12) trichlorofluoromethane	6.331	101	689569m	98.63	ug/kg	
13) freon-113	7.139	101	376123	104.60	ug/kg	96
14) acrolein	6.324	56	114847	507.53	ug/kg	96
15) 1,1-dichloroethene	6.944	96	395529	100.08	ug/kg	92
16) acetone	6.459	58	73101m	88.40	ug/kg	
17) Methyl Acetate	7.119	43	573229	110.87	ug/kg	97
18) methylene chloride	7.099	84	433609m	87.87	ug/kg	
19) methyl tert butyl ether	7.900	73	1009291	100.14	ug/kg	98
20) acrylonitrile	6.991	53	164336	100.53	ug/kg	96
21) allyl chloride	7.193	41	763597	97.00	ug/kg	98
22) trans-1,2-dichloroethene	7.813	96	438725	95.85	ug/kg	98
23) iodomethane	7.005	142	755740	104.23	ug/kg	99
24) carbon disulfide	7.388	76	1347724	102.34	ug/kg	100
25) propionitrile	8.082	54	61425	121.45	ug/kg	100
26) vinyl acetate	8.170	43	989562	117.53	ug/kg	98
27) chloroprene	8.439	53	708362	106.42	ug/kg	99
28) di-isopropyl ether	8.480	45	1679963	104.88	ug/kg	96
29) methacrylonitrile	8.601	41	265812	95.87	ug/kg	97
30) 2-butanone	8.487	72	73918	109.48	ug/kg#	12
31) 1,1-dichloroethane	8.069	63	730740	99.63	ug/kg	96
32) tert-butyl ethyl ether	8.884	59	1258182	106.23	ug/kg	99
33) isobutyl alcohol	8.884	43	286822	447.33	ug/kg	98
34) 2,2-dichloropropane	8.951	77	504941	100.95	ug/kg	98
35) cis-1,2-dichloroethene	8.655	96	500811	99.79	ug/kg	99
36) ethyl acetate	8.884	43	291633	90.71	ug/kg	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58642.D
Acq On : 21 Aug 2013 5:37 pm
Operator : krystend
Sample : IC2022-100
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 22 08:38:55 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	223903	100.98	ug/kg	96
38) chloroform	8.864	83	768665	103.89	ug/kg	98
40) Tetrahydrofuran	9.194	42	152940	85.33	ug/kg	99
41) 1,1,1-trichloroethane	9.632	97	635877	102.47	ug/kg	99
43) Cyclohexane	9.921	56	738374	103.84	ug/kg	98
44) carbon tetrachloride	10.002	117	607117	106.31	ug/kg	96
45) 1,1-dichloropropene	9.807	75	601444	103.90	ug/kg	100
46) benzene	10.029	78	1812479	98.50	ug/kg	98
47) 1,2-dichloroethane	9.524	62	584200	100.09	ug/kg	99
48) tert-amyl methyl ether	10.150	73	1004021	101.16	ug/kg	99
49) heptane	10.507	43	786719	101.02	ug/kg	99
50) trichloroethene	10.656	95	475796	98.78	ug/kg	99
51) 1,2-dichloropropane	10.622	63	478790	102.31	ug/kg	100
52) dibromomethane	10.602	93	261361	101.64	ug/kg	96
53) bromodichloromethane	10.716	83	620313	105.08	ug/kg	99
54) Methylcyclohexane	11.181	83	805884	112.21	ug/kg	97
55) 2-chloroethyl vinyl ether	11.087	63	193456	105.57	ug/kg	100
56) methyl methacrylate	10.804	69	278245	112.74	ug/kg	94
57) 1,4-dioxane	10.804	88	19995	596.50	ug/kg	85
58) cis-1,3-dichloropropene	11.336	75	738919	106.18	ug/kg	98
60) 4-methyl-2-pentanone	11.424	43	511057	97.05	ug/kg	99
61) toluene	12.117	92	1201839	115.36	ug/kg	99
62) trans-1,3-dichloropropene	11.754	75	613895	107.20	ug/kg	97
63) 1,1,2-trichloroethane	11.929	83	321934	102.76	ug/kg	97
64) ethyl methacrylate	12.124	69	588957	121.11	ug/kg	97
66) tetrachloroethene	12.858	166	421135	92.01	ug/kg	98
67) 1,3-dichloropropane	12.165	76	657887	99.83	ug/kg	99
68) dibromochloromethane	12.461	129	486011	98.27	ug/kg	98
69) 1,2-dibromoethane	12.710	107	405016	94.30	ug/kg	99
70) 2-hexanone	12.279	43	456638	86.04	ug/kg	99
71) chlorobenzene	13.546	112	1370753	99.34	ug/kg	98
72) 1,1,1,2-tetrachloroethane	13.465	131	471526	98.55	ug/kg	98
73) ethylbenzene	13.714	91	2312568	104.51	ug/kg	99
74) m,p-xylene	13.903	106	1999075	223.24	ug/kg	99
75) o-xylene	14.313	106	1024654	115.98	ug/kg	100
76) styrene	14.239	104	1476015	107.93	ug/kg	99
77) bromoform	14.071	173	295361	105.04	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.462	53	175088	99.87	ug/kg	97
80) isopropylbenzene	14.677	105	2640276	102.94	ug/kg	99
82) bromobenzene	14.967	156	579624	95.47	ug/kg	97
83) 1,1,2,2-tetrachloroethane	14.320	83	649693	101.22	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	638281	97.77	ug/kg	100
85) n-propylbenzene	15.122	91	3064437	101.20	ug/kg	98
86) 2-chlorotoluene	15.243	91	1762943	100.17	ug/kg	99
87) 4-chlorotoluene	15.317	91	1799630	103.05	ug/kg	98
88) 1,3,5-trimethylbenzene	15.398	105	2333549	110.34	ug/kg	99
89) tert-butylbenzene	15.708	91	1262824	106.42	ug/kg	95
90) 1,2,4-trimethylbenzene	15.809	105	2283660	110.35	ug/kg	99
91) sec-butylbenzene	15.930	105	3203665	110.77	ug/kg	98
92) 1,3-dichlorobenzene	16.031	146	1290835	103.78	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58642.D
Acq On : 21 Aug 2013 5:37 pm
Operator : krystend
Sample : IC2022-100
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 22 08:38:55 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:30 2013
Response via : Initial Calibration

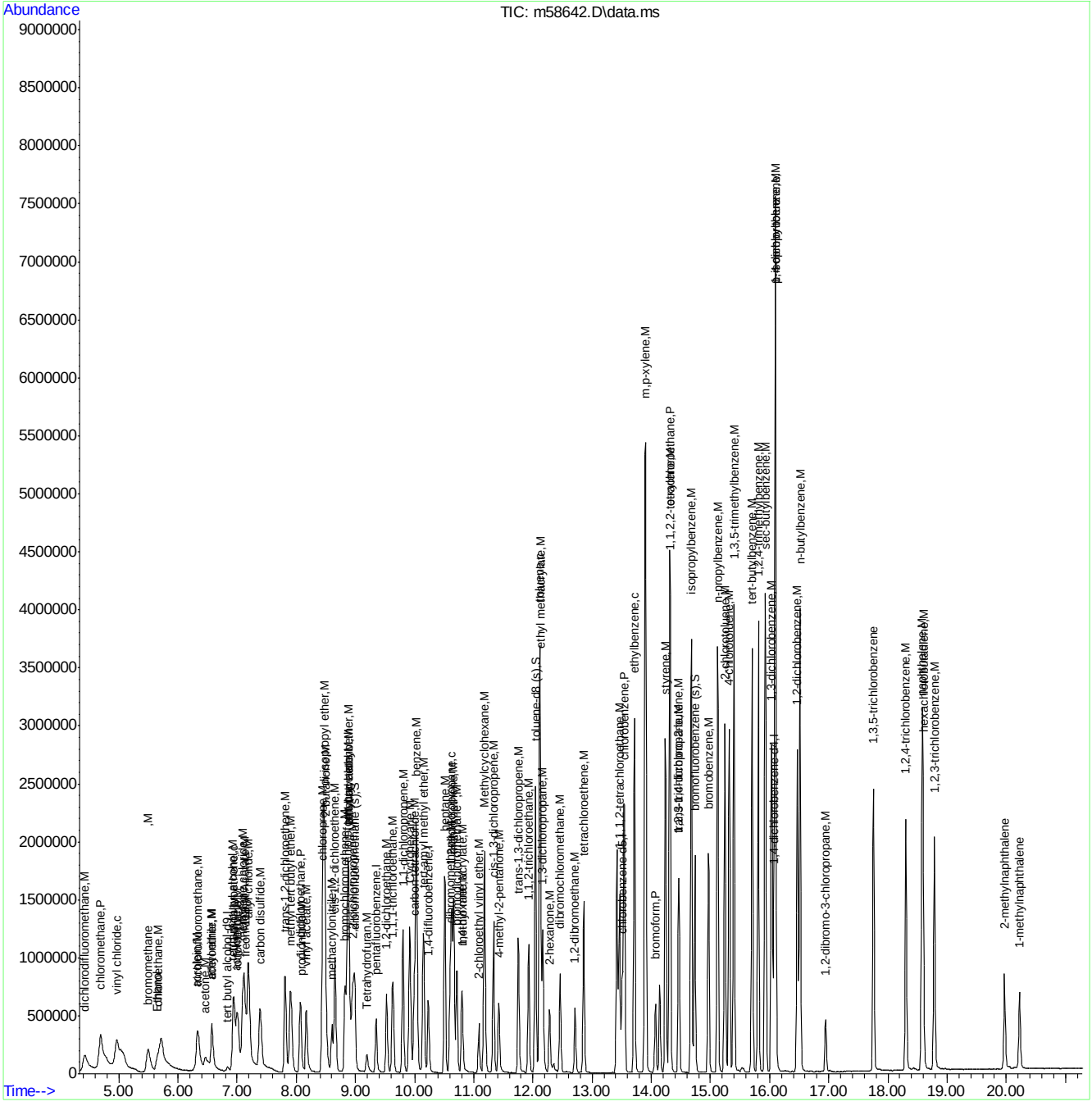
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	2615991	117.13	ug/kg	98
94) 1,4-dichlorobenzene	16.099	146	1434901	111.75	ug/kg	98
95) 1,2-dichlorobenzene	16.469	146	1227434	102.80	ug/kg	99
96) n-butylbenzene	16.516	91	2452641	106.90	ug/kg	100
97) 1,2-dibromo-3-chloropr...	16.947	75	110644	79.43	ug/kg	98
98) 1,3,5-trichlorobenzene	17.756	180	784504	95.66	ug/kg	99
99) 1,2,4-trichlorobenzene	18.301	180	719917	93.53	ug/kg	98
100) hexachlorobutadiene	18.598	225	386752	99.16	ug/kg	99
101) naphthalene	18.578	128	2003073	102.82	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	700932	95.81	ug/kg	97
103) 2-methylnaphthalene	19.972	142	493723	46.59	ug/kg	98
104) 1-methylnaphthalene	20.228	TIC	1559431	24.58	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58642.D
Acq On : 21 Aug 2013 5:37 pm
Operator : krystend
Sample : IC2022-100
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 22 08:38:55 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:30 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58643.D
Acq On : 21 Aug 2013 6:07 pm
Operator : krystend
Sample : IC2022-200
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 22 08:39:10 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:08 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	165225	500.00	ug/kg	-0.01
4) pentafluorobenzene	9.355	168	385716	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.238	114	660728	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	351270	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	384535	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	1080939	222.24	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 444.48%#			
59) toluene-d8 (s)	12.043	98	4114122	244.39	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 488.78%#			
81) bromofluorobenzene (s)	14.738	95	1570097	207.96	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 415.92%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	829390	1839.60	ug/kg	100
3) Ethanol	5.657	45	873534	24389.12	ug/kg	98
5) dichlorodifluoromethane	4.438	85	1030089	182.47	ug/kg	98
6) chloromethane	4.701	50	1532459	172.56	ug/kg	97
7) vinyl chloride	4.970	62	1785918	173.78	ug/kg	97
8) bromomethane ...	5.502	96	800603	170.84	ug/kg	98
9) chloroethane	5.677	64	590780m	180.23	ug/kg	
10) ethyl ether	6.580	59	736950	198.17	ug/kg	93
11) acetonitrile	6.573	41	234146	201.80	ug/kg	89
12) trichlorofluoromethane	6.338	101	1546925	191.83	ug/kg	98
13) freon-113	7.153	101	816444	194.92	ug/kg	97
14) acrolein	6.331	56	275357	1049.46	ug/kg	95
15) 1,1-dichloroethene	6.951	96	888274	194.39	ug/kg	95
16) acetone	6.459	58	151274m	157.38	ug/kg	
17) Methyl Acetate	7.126	43	1333192	219.09	ug/kg	99
18) methylene chloride	7.106	84	975618m	204.92	ug/kg	
19) methyl tert butyl ether	7.907	73	2255945	193.57	ug/kg	97
20) acrylonitrile	6.998	53	380649	201.22	ug/kg	88
21) allyl chloride	7.200	41	1763635	194.78	ug/kg	100
22) trans-1,2-dichloroethene	7.813	96	1033019	196.58	ug/kg	98
23) iodomethane	7.011	142	1757388	208.19	ug/kg	98
24) carbon disulfide	7.395	76	3089880	202.18	ug/kg	100
25) propionitrile	8.082	54	139195	228.29	ug/kg	100
26) vinyl acetate	8.170	43	2347365	234.33	ug/kg	97
27) chloroprene	8.446	53	1661243	213.61	ug/kg	97
28) di-isopropyl ether	8.486	45	3950618	211.63	ug/kg	95
29) methacrylonitrile	8.601	41	637903	200.40	ug/kg	97
30) 2-butanone	8.486	72	173819	218.56	ug/kg#	20
31) 1,1-dichloroethane	8.069	63	1682545	198.56	ug/kg	98
32) tert-butyl ethyl ether	8.891	59	2910450	210.38	ug/kg	99
33) isobutyl alcohol	8.891	43	644060	884.44	ug/kg	98
34) 2,2-dichloropropane	8.958	77	1098082	189.60	ug/kg	99
35) cis-1,2-dichloroethene	8.655	96	1223648	210.99	ug/kg	97
36) ethyl acetate	8.891	43	643927	175.98	ug/kg	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58643.D
Acq On : 21 Aug 2013 6:07 pm
Operator : krystend
Sample : IC2022-200
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 22 08:39:10 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:08 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	546534	212.88	ug/kg	90
38) chloroform	8.864	83	1827091	212.24	ug/kg	96
40) Tetrahydrofuran	9.194	42	333074	164.78	ug/kg	100
41) 1,1,1-trichloroethane	9.632	97	1411137	195.90	ug/kg	99
43) Cyclohexane	9.921	56	1632934	196.91	ug/kg	98
44) carbon tetrachloride	10.002	117	1412565	211.22	ug/kg	98
45) 1,1-dichloropropene	9.807	75	1405972	208.23	ug/kg	97
46) benzene	10.036	78	4326012	203.30	ug/kg	100
47) 1,2-dichloroethane	9.531	62	1339766	198.05	ug/kg	98
48) tert-amyl methyl ether	10.150	73	2296625	199.29	ug/kg	97
49) heptane	10.514	43	1810861	200.32	ug/kg	98
50) trichloroethene	10.656	95	1156337	207.51	ug/kg	98
51) 1,2-dichloropropane	10.629	63	1148728	211.01	ug/kg	99
52) dibromomethane	10.602	93	619334	207.26	ug/kg	98
53) bromodichloromethane	10.716	83	1457469	211.26	ug/kg	100
54) Methylcyclohexane	11.181	83	1830838	215.59	ug/kg	97
55) 2-chloroethyl vinyl ether	11.087	63	472298	220.35	ug/kg	99
56) methyl methacrylate	10.804	69	667959	228.68	ug/kg	92
57) 1,4-dioxane	10.811	88	46531	1153.33	ug/kg	82
58) cis-1,3-dichloropropene	11.336	75	1794529	220.26	ug/kg	98
60) 4-methyl-2-pentanone	11.424	43	1164744	191.80	ug/kg	98
61) toluene	12.117	92	3055617	246.77	ug/kg	100
62) trans-1,3-dichloropropene	11.754	75	1500348	223.40	ug/kg	96
63) 1,1,2-trichloroethane	11.929	83	771993	211.66	ug/kg	95
64) ethyl methacrylate	12.124	69	1451585	248.82	ug/kg	96
66) tetrachloroethene	12.858	166	1028886	176.83	ug/kg	97
67) 1,3-dichloropropane	12.165	76	1606849	189.68	ug/kg	100
68) dibromochloromethane	12.461	129	1205308	190.07	ug/kg	98
69) 1,2-dibromoethane	12.717	107	1000321	182.87	ug/kg	98
70) 2-hexanone	12.279	43	1037566	155.66	ug/kg	99
71) chlorobenzene	13.545	112	3442279	194.22	ug/kg	97
72) 1,1,1,2-tetrachloroethane	13.465	131	1187570	193.49	ug/kg	98
73) ethylbenzene	13.714	91	5702729	198.93	ug/kg	98
74) m,p-xylene	13.903	106	5127793	436.86	ug/kg	96
75) o-xylene	14.313	106	2605488	223.40	ug/kg	95
76) styrene	14.239	104	3789925	212.70	ug/kg	98
77) bromoform	14.071	173	735421	201.69	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.462	53	414221	183.78	ug/kg	92
80) isopropylbenzene	14.677	105	6569800	200.65	ug/kg	97
82) bromobenzene	14.967	156	1516268	198.08	ug/kg	97
83) 1,1,2,2-tetrachloroethane	14.320	83	1541143	188.62	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	1529288	185.09	ug/kg	99
85) n-propylbenzene	15.122	91	7451182	193.31	ug/kg	96
86) 2-chlorotoluene	15.243	91	4364445	195.16	ug/kg	97
87) 4-chlorotoluene	15.317	91	4401027	197.37	ug/kg	97
88) 1,3,5-trimethylbenzene	15.398	105	5744824	210.21	ug/kg	96
89) tert-butylbenzene	15.708	91	3123079	204.97	ug/kg	90
90) 1,2,4-trimethylbenzene	15.809	105	5697208	213.02	ug/kg	98
91) sec-butylbenzene	15.930	105	7850031	209.89	ug/kg	96
92) 1,3-dichlorobenzene	16.038	146	3350938	210.74	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58643.D
Acq On : 21 Aug 2013 6:07 pm
Operator : krystend
Sample : IC2022-200
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 22 08:39:10 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:08 2013
Response via : Initial Calibration

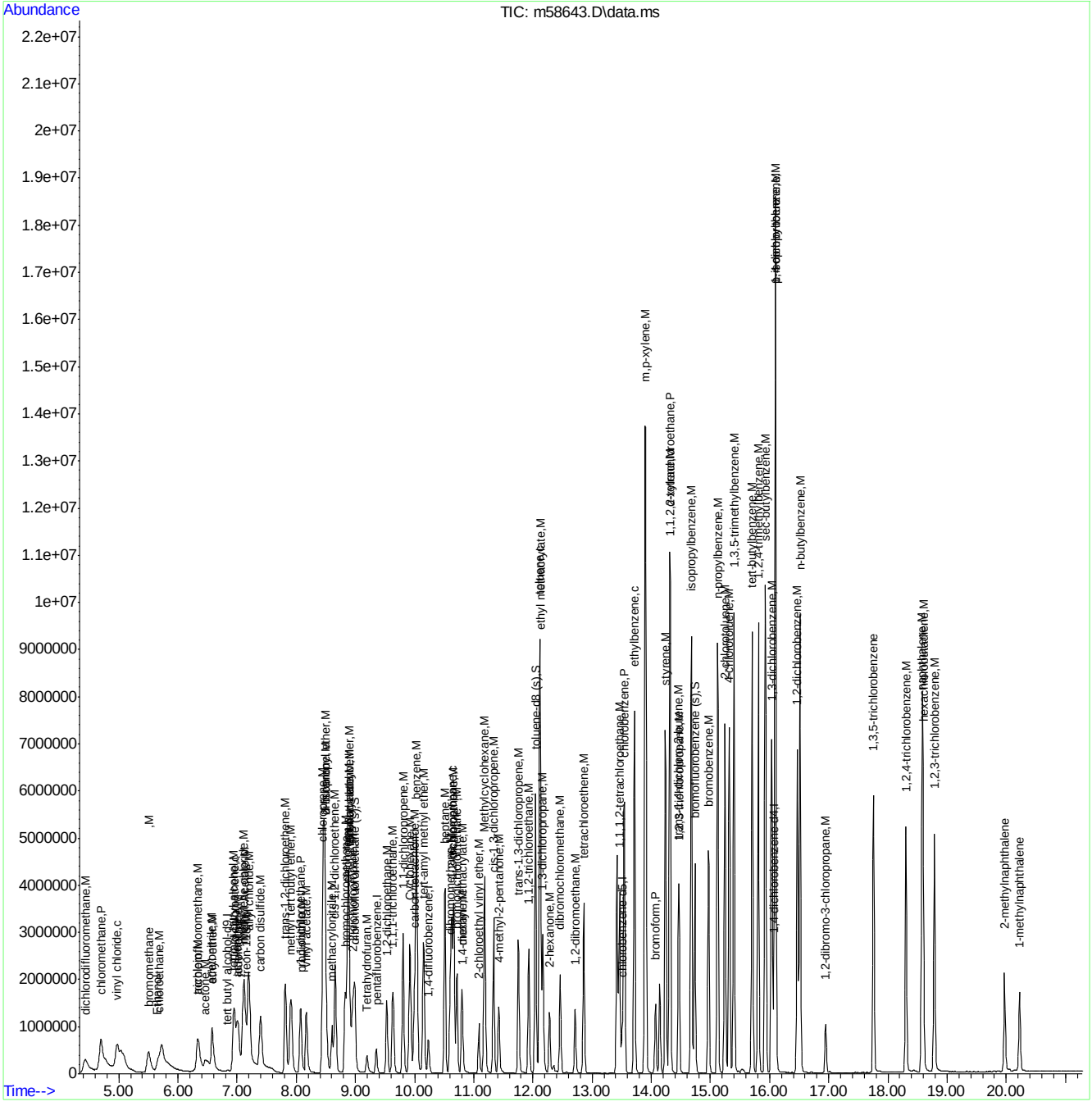
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	6486059	222.25	ug/kg	97
94)	1,4-dichlorobenzene	16.099	146	3630141	218.27	ug/kg	98
95)	1,2-dichlorobenzene	16.469	146	3077761	201.96	ug/kg	99
96)	n-butylbenzene	16.516	91	5701721	193.40	ug/kg	96
97)	1,2-dibromo-3-chloropr...	16.947	75	250493	146.58	ug/kg	98
98)	1,3,5-trichlorobenzene	17.756	180	1877473	181.53	ug/kg	100
99)	1,2,4-trichlorobenzene	18.308	180	1733939	179.26	ug/kg	100
100)	hexachlorobutadiene	18.598	225	963373	194.70	ug/kg	99
101)	naphthalene	18.578	128	5301886	213.23	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	1719504	186.32	ug/kg	96
103)	2-methylnaphthalene	19.972	142	1245815	93.60	ug/kg	99
104)	1-methylnaphthalene	20.228	TIC	3807135	51.60	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58643.D
Acq On : 21 Aug 2013 6:07 pm
Operator : krystend
Sample : IC2022-200
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 22 08:39:10 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:08 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58644.D
Acq On : 21 Aug 2013 6:36 pm
Operator : krystend
Sample : IC2022-400
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 22 08:30:13 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:45 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	194853	500.00	ug/kg	0.00
4) pentafluorobenzene		9.356	168	450140	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.238	114	790850	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	502580	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.078	152	462629	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	2775230	488.21	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 976.42%#			
59) toluene-d8 (s)		12.043	98	10389464	507.58	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 1015.16%#			
81) bromofluorobenzene (s)		14.738	95	3870385	429.46	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 858.92%#			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	2015975	3835.51	ug/kg	97
3) Ethanol		5.657	45	2095204	48095.55	ug/kg	97
5) dichlorodifluoromethane		4.431	85	2097448	322.40	ug/kg	99
6) chloromethane		4.701	50	3085778	303.69	ug/kg	96
7) vinyl chloride		4.977	62	3776871	320.92	ug/kg	96
8) bromomethane	...	5.502	96	1806369m	337.32	ug/kg	
9) chloroethane		5.684	64	1279011m	339.13	ug/kg	
10) ethyl ether		6.580	59	1707389	393.94	ug/kg	93
11) acetonitrile		6.580	41	594613	438.56	ug/kg	92
12) trichlorofluoromethane		6.344	101	3356159	358.71	ug/kg	98
13) freon-113		7.153	101	1737455	356.73	ug/kg	94
14) acrolein		6.324	56	688875	2231.33	ug/kg	99
15) 1,1-dichloroethene		6.951	96	1994836	375.58	ug/kg	92
16) acetone		6.459	58	349261	314.99	ug/kg	89
17) Methyl Acetate		7.119	43	3091878	429.52	ug/kg	98
18) methylene chloride		7.106	84	2093191m	375.42	ug/kg	
19) methyl tert butyl ether		7.914	73	5165901	381.58	ug/kg	96
20) acrylonitrile		6.991	53	905375	409.69	ug/kg	92
21) allyl chloride		7.200	41	3874909	368.07	ug/kg	99
22) trans-1,2-dichloroethene		7.813	96	2350174	384.16	ug/kg	96
23) iodomethane		7.018	142	4164244	420.26	ug/kg	100
24) carbon disulfide		7.395	76	6641329	371.79	ug/kg	99
25) propionitrile		8.076	54	323884	444.68	ug/kg	100
26) vinyl acetate		8.170	43	5460080	455.87	ug/kg	98
27) chloroprene		8.446	53	3703626	404.15	ug/kg	94
28) di-isopropyl ether		8.487	45	8890328	404.72	ug/kg	94
29) methacrylonitrile		8.601	41	1477167	397.53	ug/kg	95
30) 2-butanone		8.487	72	376202	399.16	ug/kg#	34
31) 1,1-dichloroethane		8.076	63	3766167	381.23	ug/kg	97
32) tert-butyl ethyl ether		8.891	59	6625255	407.35	ug/kg	98
33) isobutyl alcohol		8.897	43	1460827	1747.79	ug/kg	91
34) 2,2-dichloropropane		8.958	77	2349805	350.26	ug/kg	99
35) cis-1,2-dichloroethene		8.655	96	2827810	414.55	ug/kg	94
36) ethyl acetate		8.897	43	1478167	352.20	ug/kg	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58644.D
Acq On : 21 Aug 2013 6:36 pm
Operator : krystend
Sample : IC2022-400
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 22 08:30:13 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	1340994	443.49	ug/kg#	85
38) chloroform	8.871	83	4239773	418.35	ug/kg	92
40) Tetrahydrofuran	9.194	42	757784	329.54	ug/kg	95
41) 1,1,1-trichloroethane	9.632	97	3064286	365.58	ug/kg	96
43) Cyclohexane	9.921	56	3482030	351.58	ug/kg	99
44) carbon tetrachloride	10.002	117	3262121	404.29	ug/kg	98
45) 1,1-dichloropropene	9.807	75	3197941	393.39	ug/kg	97
46) benzene	10.036	78	9782991	383.32	ug/kg	100
47) 1,2-dichloroethane	9.531	62	3011398	372.43	ug/kg	97
48) tert-amyl methyl ether	10.150	73	5253965	381.10	ug/kg	97
49) heptane	10.514	43	4149356	383.39	ug/kg	97
50) trichloroethene	10.662	95	2770519	413.44	ug/kg	91
51) 1,2-dichloropropane	10.629	63	2695818	410.49	ug/kg	98
52) dibromomethane	10.602	93	1501013	417.50	ug/kg	94
53) bromodichloromethane	10.716	83	3398567	408.29	ug/kg	99
54) Methylcyclohexane	11.181	83	4095699	398.50	ug/kg	97
55) 2-chloroethyl vinyl ether	11.087	63	1135994	436.46	ug/kg	98
56) methyl methacrylate	10.797	69	1598771	448.12	ug/kg	93
57) 1,4-dioxane	10.804	88	109008	2201.10	ug/kg	95
58) cis-1,3-dichloropropene	11.336	75	4248303	429.42	ug/kg	96
60) 4-methyl-2-pentanone	11.424	43	2714782	375.70	ug/kg	97
61) toluene	12.117	92	7116960	464.68	ug/kg	97
62) trans-1,3-dichloropropene	11.754	75	3536232	432.67	ug/kg	92
63) 1,1,2-trichloroethane	11.929	83	1846733	419.53	ug/kg	96
64) ethyl methacrylate	12.124	69	3477700	481.25	ug/kg	96
66) tetrachloroethene	12.858	166	2632380	320.85	ug/kg	98
67) 1,3-dichloropropane	12.165	76	3695756	307.18	ug/kg	100
68) dibromochloromethane	12.461	129	3102479	344.40	ug/kg	98
69) 1,2-dibromoethane	12.717	107	2402465	310.77	ug/kg	99
70) 2-hexanone	12.279	43	2223796	240.81	ug/kg	99
71) chlorobenzene	13.546	112	8423704	333.56	ug/kg	95
72) 1,1,1,2-tetrachloroethane	13.465	131	3010765	344.46	ug/kg	99
73) ethylbenzene	13.714	91	13272448	323.85	ug/kg	95
74) m,p-xylene	13.903	106	12252746	720.12	ug/kg#	60
75) o-xylene	14.313	106	6055193	356.91	ug/kg	93
76) styrene	14.239	104	8932377	347.23	ug/kg	100
77) bromoform	14.071	173	1945658	372.50	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.462	53	965761	302.99	ug/kg	96
80) isopropylbenzene	14.677	105	14971593	379.89	ug/kg	89
82) bromobenzene	14.974	156	3816127	414.94	ug/kg	85
83) 1,1,2,2-tetrachloroethane	14.320	83	3606993	369.94	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	3584832	364.51	ug/kg	99
85) n-propylbenzene	15.122	91	15905929	344.64	ug/kg	80
86) 2-chlorotoluene	15.243	91	10186323	379.91	ug/kg	94
87) 4-chlorotoluene	15.317	91	10067942	376.00	ug/kg	93
88) 1,3,5-trimethylbenzene	15.398	105	13317400	402.11	ug/kg	93
89) tert-butylbenzene	15.708	91	7436905	404.27	ug/kg	93
90) 1,2,4-trimethylbenzene	15.809	105	13284619	409.07	ug/kg	94
91) sec-butylbenzene	15.924	105	16533790	364.88	ug/kg	90
92) 1,3-dichlorobenzene	16.038	146	8142837	422.41	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58644.D
Acq On : 21 Aug 2013 6:36 pm
Operator : krystend
Sample : IC2022-400
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 22 08:30:13 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:45 2013
Response via : Initial Calibration

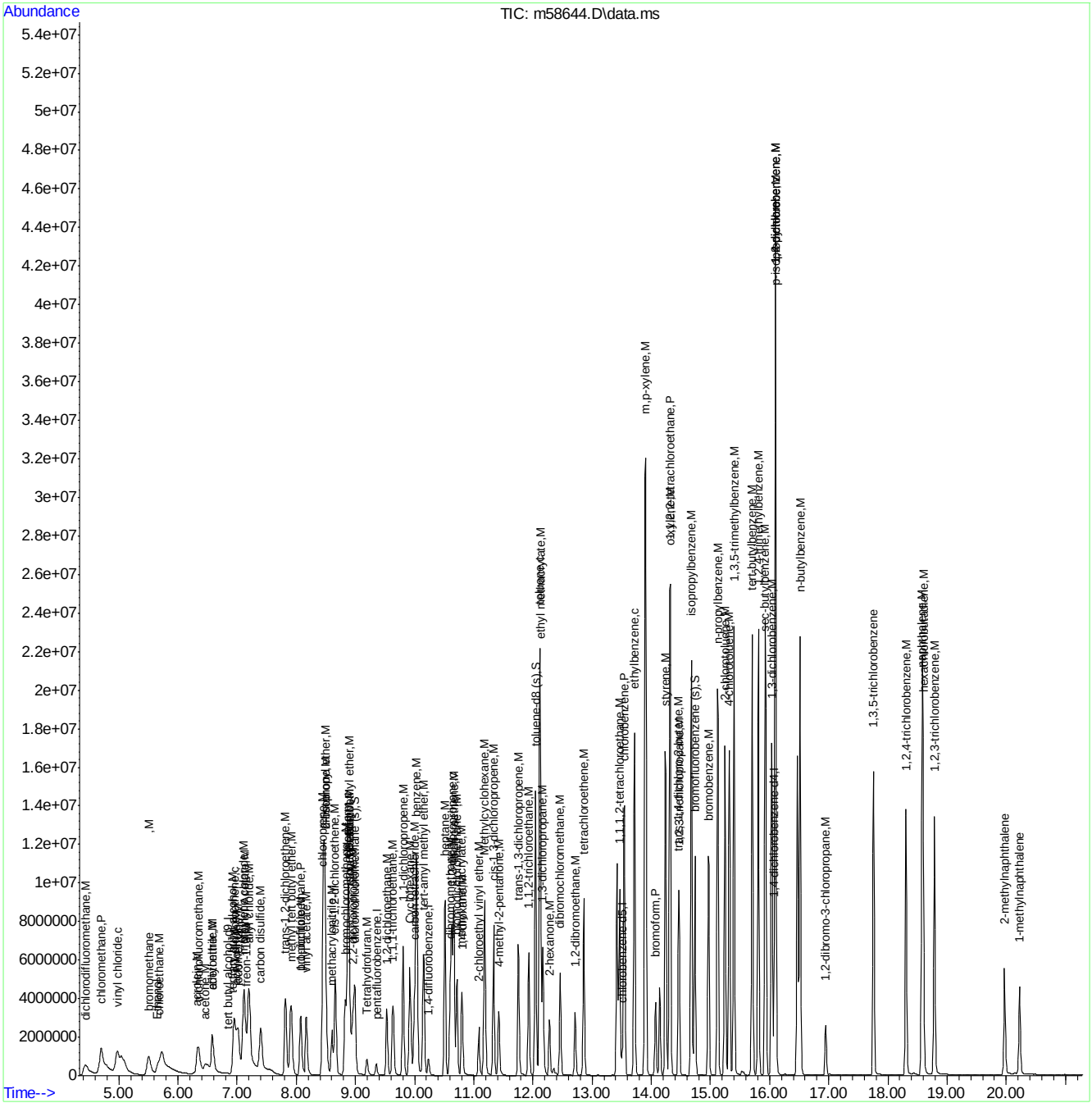
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	14904655	417.87	ug/kg	86
94) 1,4-dichlorobenzene	16.105	146	8925666	440.34	ug/kg	97
95) 1,2-dichlorobenzene	16.105	146	8987257	489.50	ug/kg	96
96) n-butylbenzene	16.516	91	13140041	372.22	ug/kg	91
97) 1,2-dibromo-3-chloropr...	16.947	75	616936	311.97	ug/kg	94
98) 1,3,5-trichlorobenzene	17.756	180	5144047	418.93	ug/kg	99
99) 1,2,4-trichlorobenzene	18.308	180	4703433	410.24	ug/kg	100
100) hexachlorobutadiene	18.598	225	2684090	452.61	ug/kg	100
101) naphthalene	18.578	128	14262903	472.33	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	4636056	421.68	ug/kg	96
103) 2-methylnaphthalene	19.972	142	3271194	206.17	ug/kg	99
104) 1-methylnaphthalene	20.228	TIC	9528647	115.32	ug/kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58644.D
Acq On : 21 Aug 2013 6:36 pm
Operator : krystend
Sample : IC2022-400
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 22 08:30:13 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:45 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58647.D
Acq On : 21 Aug 2013 8:04 pm
Operator : krystend
Sample : ICV2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 22 08:42:41 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.836	65	169879	500.00	ug/kg	-0.01
4) pentafluorobenzene		9.349	168	348434	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	593147	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	266098	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.078	152	279736	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	215604	48.34	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 96.68%			
59) toluene-d8 (s)		12.043	98	746048	47.67	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 95.34%			
81) bromofluorobenzene (s)		14.738	95	257294	47.36	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 94.72%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	314181	689.16	ug/kg	95
3) Ethanol		5.644	45	185479	4133.98	ug/kg	95
5) dichlorodifluoromethane		4.424	85	303384	61.74	ug/kg	99
6) chloromethane		4.687	50	479044	62.80	ug/kg	98
7) vinyl chloride		4.963	62	377845m	42.53	ug/kg	
8) bromomethane	...	5.502	96	218727	53.80	ug/kg	100
9) chloroethane		5.671	64	160747	56.29	ug/kg	97
10) ethyl ether		6.573	59	180761	53.98	ug/kg	97
11) acetonitrile		6.573	41	48541	47.49	ug/kg	96
12) trichlorofluoromethane		6.331	101	357635m	49.98	ug/kg	
13) freon-113		7.146	101	226923	61.11	ug/kg	98
14) acrolein		6.324	56	113661	440.82	ug/kg	96
15) 1,1-dichloroethene		6.944	96	234174	57.40	ug/kg	95
16) acetone		6.472	58	35940	46.72	ug/kg#	77
17) Methyl Acetate		7.132	43	244435	43.47	ug/kg	94
18) methylene chloride		7.099	84	245917m	50.63	ug/kg	
19) methyl tert butyl ether		7.907	73	566228	54.37	ug/kg	99
20) acrylonitrile		7.004	53	91901	53.54	ug/kg	91
21) allyl chloride		7.193	41	425190	52.70	ug/kg	98
22) trans-1,2-dichloroethene		7.813	96	245658	52.18	ug/kg	97
23) iodomethane		7.011	142	431885	55.96	ug/kg	98
24) carbon disulfide		7.388	76	781066	56.99	ug/kg	98
25) propionitrile		8.156	54	31207	54.48	ug/kg	100
26) vinyl acetate		8.170	43	381692	39.03	ug/kg	99
27) chloroprene		8.446	53	405732	57.12	ug/kg	99
28) di-isopropyl ether		8.480	45	871390	51.17	ug/kg	97
29) methacrylonitrile		8.601	41	142451	49.56	ug/kg	98
30) 2-butanone		8.493	72	35263	44.70	ug/kg#	32
31) 1,1-dichloroethane		8.069	63	445499	58.60	ug/kg	98
32) tert-butyl ethyl ether		8.884	59	698734	55.37	ug/kg	99
33) isobutyl alcohol		8.884	43	178064	279.78	ug/kg	91
34) 2,2-dichloropropane		8.951	77	297815	58.27	ug/kg	100
35) cis-1,2-dichloroethene		8.655	96	265225	50.02	ug/kg	97
36) ethyl acetate		8.884	43	169102	52.65	ug/kg	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58647.D
Acq On : 21 Aug 2013 8:04 pm
Operator : krystend
Sample : ICV2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 22 08:42:41 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	134925	56.87	ug/kg	97
38) chloroform	8.864	83	439636	55.72	ug/kg	98
40) Tetrahydrofuran	9.194	42	83642	50.18	ug/kg	97
41) 1,1,1-trichloroethane	9.632	97	375107	58.44	ug/kg	97
43) Cyclohexane	9.914	56	390330	53.34	ug/kg	96
44) carbon tetrachloride	10.002	117	351442	57.98	ug/kg	98
45) 1,1-dichloropropene	9.807	75	323349	53.13	ug/kg	99
46) benzene	10.029	78	965583	50.67	ug/kg	99
47) 1,2-dichloroethane	9.524	62	317441	52.79	ug/kg	99
48) tert-amyl methyl ether	10.150	73	562333	54.69	ug/kg	98
49) heptane	10.507	43	407150	50.42	ug/kg	100
50) trichloroethene	10.655	95	250901	49.73	ug/kg	99
51) 1,2-dichloropropane	10.622	63	253146	51.21	ug/kg	100
52) dibromomethane	10.602	93	159676	58.88	ug/kg	99
53) bromodichloromethane	10.709	83	335264	53.55	ug/kg	99
54) Methylcyclohexane	11.181	83	421581	54.70	ug/kg	98
55) 2-chloroethyl vinyl ether	11.087	63	90377	45.76	ug/kg	99
56) methyl methacrylate	10.804	69	150149	55.27	ug/kg	94
57) 1,4-dioxane	10.810	88	11261	270.06	ug/kg#	63
58) cis-1,3-dichloropropene	11.336	75	373879	49.92	ug/kg	99
60) 4-methyl-2-pentanone	11.423	43	272672	50.68	ug/kg	99
61) toluene	12.117	92	609992	52.04	ug/kg	99
62) trans-1,3-dichloropropene	11.753	75	334781	54.05	ug/kg	100
63) 1,1,2-trichloroethane	11.929	83	175214	52.74	ug/kg	99
64) ethyl methacrylate	12.124	69	292756	51.05	ug/kg	98
66) tetrachloroethene	12.858	166	241322	56.80	ug/kg	98
67) 1,3-dichloropropane	12.164	76	334352	54.02	ug/kg	99
68) dibromochloromethane	12.461	129	263738	56.27	ug/kg	98
69) 1,2-dibromoethane	12.717	107	222008	55.79	ug/kg	99
70) 2-hexanone	12.286	43	216488	44.16	ug/kg	99
71) chlorobenzene	13.545	112	681010	52.01	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.464	131	247166	54.35	ug/kg	97
73) ethylbenzene	13.714	91	1157180	54.63	ug/kg	99
74) m,p-xylene	13.902	106	943772	106.09	ug/kg	99
75) o-xylene	14.313	106	465934	52.58	ug/kg	99
76) styrene	14.239	104	705424	52.66	ug/kg	96
77) bromoform	14.071	173	167424	61.07	ug/kg	100
78) trans-1,4-dichloro-2-b...	14.461	53	89048	54.42	ug/kg	97
80) isopropylbenzene	14.677	105	1201019	50.72	ug/kg	99
82) bromobenzene	14.973	156	289397	51.80	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.320	83	314422	53.84	ug/kg	100
84) 1,2,3-trichloropropane	14.468	75	322765	54.89	ug/kg	97
85) n-propylbenzene	15.122	91	1368254	49.89	ug/kg	99
86) 2-chlorotoluene	15.243	91	796770	49.46	ug/kg	100
87) 4-chlorotoluene	15.317	91	798447	49.75	ug/kg	98
88) 1,3,5-trimethylbenzene	15.398	105	1016319	50.72	ug/kg	100
89) tert-butylbenzene	15.708	91	561796	50.44	ug/kg	100
90) 1,2,4-trimethylbenzene	15.809	105	995613	50.56	ug/kg	99
91) sec-butylbenzene	15.930	105	1368000	50.48	ug/kg	100
92) 1,3-dichlorobenzene	16.038	146	559210	47.64	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58647.D
Acq On : 21 Aug 2013 8:04 pm
Operator : krystend
Sample : ICV2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 22 08:42:41 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

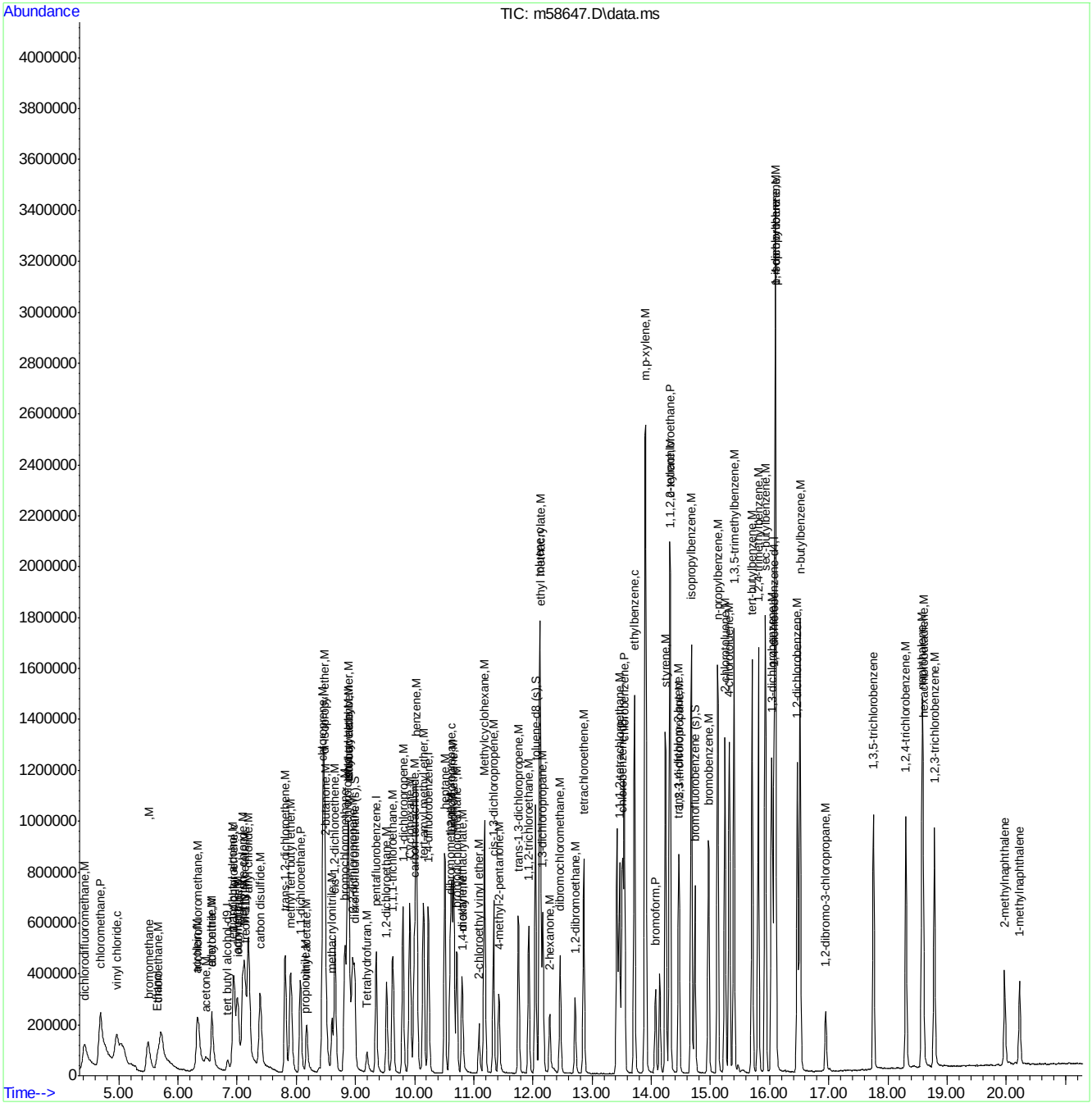
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.098	119	1181707	54.49	ug/kg	100
94)	1,4-dichlorobenzene	16.098	146	637716	51.46	ug/kg	99
95)	1,2-dichlorobenzene	16.469	146	545723	47.82	ug/kg	100
96)	n-butylbenzene	16.516	91	1084572	51.25	ug/kg	97
97)	1,2-dibromo-3-chloropr...	16.947	75	58334	57.88	ug/kg	94
98)	1,3,5-trichlorobenzene	17.756	180	326013	43.66	ug/kg	99
99)	1,2,4-trichlorobenzene	18.301	180	338889	48.73	ug/kg	99
100)	hexachlorobutadiene	18.598	225	176214	48.35	ug/kg	100
101)	naphthalene	18.577	128	945392	50.63	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	325071	48.57	ug/kg	95
103)	2-methylnaphthalene	19.979	142	237468	24.66	ug/kg	98
104)	1-methylnaphthalene	20.228	TIC	757045	24.37	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58647.D
Acq On : 21 Aug 2013 8:04 pm
Operator : krystend
Sample : ICV2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 22 08:42:41 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/10/13 11:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59046.D
Acq On : 9 Sep 2013 8:51 am
Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:30:04 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	151692	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	396695	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	668568	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	314658	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	394718	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	206477	40.66	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 81.32%			
59) toluene-d8 (s)	12.043	98	746902	42.34	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.68%			
81) bromofluorobenzene (s)	14.738	95	298895	38.99	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 77.98%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	198011	486.42	ug/kg	99
3) Ethanol	5.644	45	182867	4557.31	ug/kg	97
5) dichlorodifluoromethane	4.431	85	292864	52.35	ug/kg	96
6) chloromethane	4.694	50	416308	47.93	ug/kg	99
7) vinyl chloride	4.963	62	447392m	44.23	ug/kg	
8) bromomethane ...	5.496	96	235540	50.89	ug/kg	97
9) chloroethane	5.671	64	171182	52.65	ug/kg	98
10) ethyl ether	6.573	59	191885	50.33	ug/kg	91
11) acetonitrile	6.567	41	51444	44.55	ug/kg	90
12) trichlorofluoromethane	6.331	101	458088m	56.23	ug/kg	
13) freon-113	7.146	101	237305	56.13	ug/kg	86
14) acrolein	6.324	56	63253	221.24	ug/kg	99
15) 1,1-dichloroethene	6.944	96	250101	53.84	ug/kg	83
16) acetone	6.479	58	34634	39.55	ug/kg#	66
17) Methyl Acetate	7.126	43	303547	47.41	ug/kg	99
18) methylene chloride	7.099	84	291450m	52.70	ug/kg	
19) methyl tert butyl ether	7.900	73	582389	49.12	ug/kg	96
20) acrylonitrile	6.998	53	92536	47.35	ug/kg	94
21) allyl chloride	7.193	41	455017	49.54	ug/kg	98
22) trans-1,2-dichloroethene	7.806	96	282458	52.70	ug/kg	93
23) iodomethane	7.005	142	539519	61.40	ug/kg	98
24) carbon disulfide	7.389	76	861710	55.23	ug/kg	99
25) propionitrile	8.150	54	33849	51.91	ug/kg	100
26) vinyl acetate	8.170	43	542242	48.70	ug/kg	98
27) chloroprene	8.439	53	404556	50.03	ug/kg	98
28) di-isopropyl ether	8.480	45	952191	49.11	ug/kg	92
29) methacrylonitrile	8.601	41	142190	43.45	ug/kg	97
30) 2-butanone	8.500	72	28020	30.18	ug/kg#	45
31) 1,1-dichloroethane	8.069	63	436884	50.48	ug/kg	98
32) tert-butyl ethyl ether	8.884	59	708844	49.34	ug/kg	96
33) isobutyl alcohol	8.884	43	180850	249.59	ug/kg	93
34) 2,2-dichloropropane	8.951	77	303712	52.19	ug/kg	100
35) cis-1,2-dichloroethene	8.655	96	315197	52.21	ug/kg	95
36) ethyl acetate	8.884	43	152724	41.76	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59046.D
Acq On : 9 Sep 2013 8:51 am
Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:30:04 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	152743	56.55	ug/kg#	83
38) chloroform	8.864	83	454426	50.59	ug/kg	97
40) Tetrahydrofuran	9.194	42	77156	40.66	ug/kg	92
41) 1,1,1-trichloroethane	9.632	97	392912	53.77	ug/kg	97
43) Cyclohexane	9.915	56	446909	54.18	ug/kg	99
44) carbon tetrachloride	9.995	117	386198	56.53	ug/kg	100
45) 1,1-dichloropropene	9.800	75	356094	51.91	ug/kg	97
46) benzene	10.029	78	1079337	50.25	ug/kg	99
47) 1,2-dichloroethane	9.524	62	340939	50.30	ug/kg	97
48) tert-amyl methyl ether	10.150	73	588105	50.75	ug/kg	96
49) heptane	10.507	43	455576	50.05	ug/kg	99
50) trichloroethene	10.656	95	298887	52.55	ug/kg	90
51) 1,2-dichloropropane	10.622	63	287538	51.61	ug/kg	98
52) dibromomethane	10.602	93	159900	52.31	ug/kg	89
53) bromodichloromethane	10.710	83	373550	52.93	ug/kg	99
54) Methylcyclohexane	11.181	83	490871	56.51	ug/kg	95
55) 2-chloroethyl vinyl ether	11.087	63	88096	39.58	ug/kg	97
56) methyl methacrylate	10.804	69	152870	49.92	ug/kg	93
57) 1,4-dioxane	10.804	88	10334	219.02	ug/kg	85
58) cis-1,3-dichloropropene	11.336	75	448546	53.13	ug/kg	96
60) 4-methyl-2-pentanone	11.424	43	266405	43.93	ug/kg	97
61) toluene	12.117	92	718935	54.41	ug/kg	97
62) trans-1,3-dichloropropene	11.754	75	374995	53.71	ug/kg	92
63) 1,1,2-trichloroethane	11.929	83	199126	53.17	ug/kg	88
64) ethyl methacrylate	12.124	69	309062	47.82	ug/kg	99
66) tetrachloroethene	12.858	166	310239	61.76	ug/kg	97
67) 1,3-dichloropropane	12.165	76	372148	50.84	ug/kg	99
68) dibromochloromethane	12.461	129	335425	60.52	ug/kg	97
69) 1,2-dibromoethane	12.710	107	261043	55.48	ug/kg	99
70) 2-hexanone	12.286	43	179722	31.00	ug/kg	99
71) chlorobenzene	13.546	112	905994	58.52	ug/kg	95
72) 1,1,1,2-tetrachloroethane	13.465	131	336533	62.58	ug/kg	98
73) ethylbenzene	13.714	91	1366774	54.56	ug/kg	97
74) m,p-xylene	13.903	106	1171196	111.33	ug/kg	95
75) o-xylene	14.313	106	597726	57.04	ug/kg	91
76) styrene	14.239	104	915062	57.77	ug/kg	96
77) bromoform	14.071	173	208113	64.19	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.462	53	93793	48.47	ug/kg#	83
80) isopropylbenzene	14.677	105	1558520	46.64	ug/kg	96
82) bromobenzene	14.974	156	397894	50.47	ug/kg#	84
83) 1,1,2,2-tetrachloroethane	14.320	83	338770	41.11	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	351563	42.37	ug/kg	98
85) n-propylbenzene	15.122	91	1724276	44.56	ug/kg	95
86) 2-chlorotoluene	15.243	91	1014675	44.63	ug/kg	94
87) 4-chlorotoluene	15.317	91	1020678	45.07	ug/kg	92
88) 1,3,5-trimethylbenzene	15.398	105	1303105	46.09	ug/kg	96
89) tert-butylbenzene	15.708	91	702788	44.72	ug/kg	87
90) 1,2,4-trimethylbenzene	15.809	105	1302255	46.87	ug/kg	96
91) sec-butylbenzene	15.930	105	1793712	46.91	ug/kg	95
92) 1,3-dichlorobenzene	16.038	146	822702	49.67	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59046.D
Acq On : 9 Sep 2013 8:51 am
Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:30:04 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	1413360	46.19	ug/kg	97
94) 1,4-dichlorobenzene	16.099	146	842309	48.17	ug/kg	97
95) 1,2-dichlorobenzene	16.469	146	813244	50.50	ug/kg	97
96) n-butylbenzene	16.516	91	1317127	44.11	ug/kg	92
97) 1,2-dibromo-3-chloropr...	16.947	75	62637	42.68	ug/kg#	75
98) 1,3,5-trichlorobenzene	17.756	180	586239	55.64	ug/kg	100
99) 1,2,4-trichlorobenzene	18.301	180	554805	56.54	ug/kg	99
100) hexachlorobutadiene	18.598	225	269653	52.43	ug/kg	99
101) naphthalene	18.578	128	1359066	51.58	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	522003	55.27	ug/kg	97
103) 2-methylnaphthalene	19.972	142	363143	26.72	ug/kg	99
104) 1-methylnaphthalene	20.228	TIC	1087725	24.86	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
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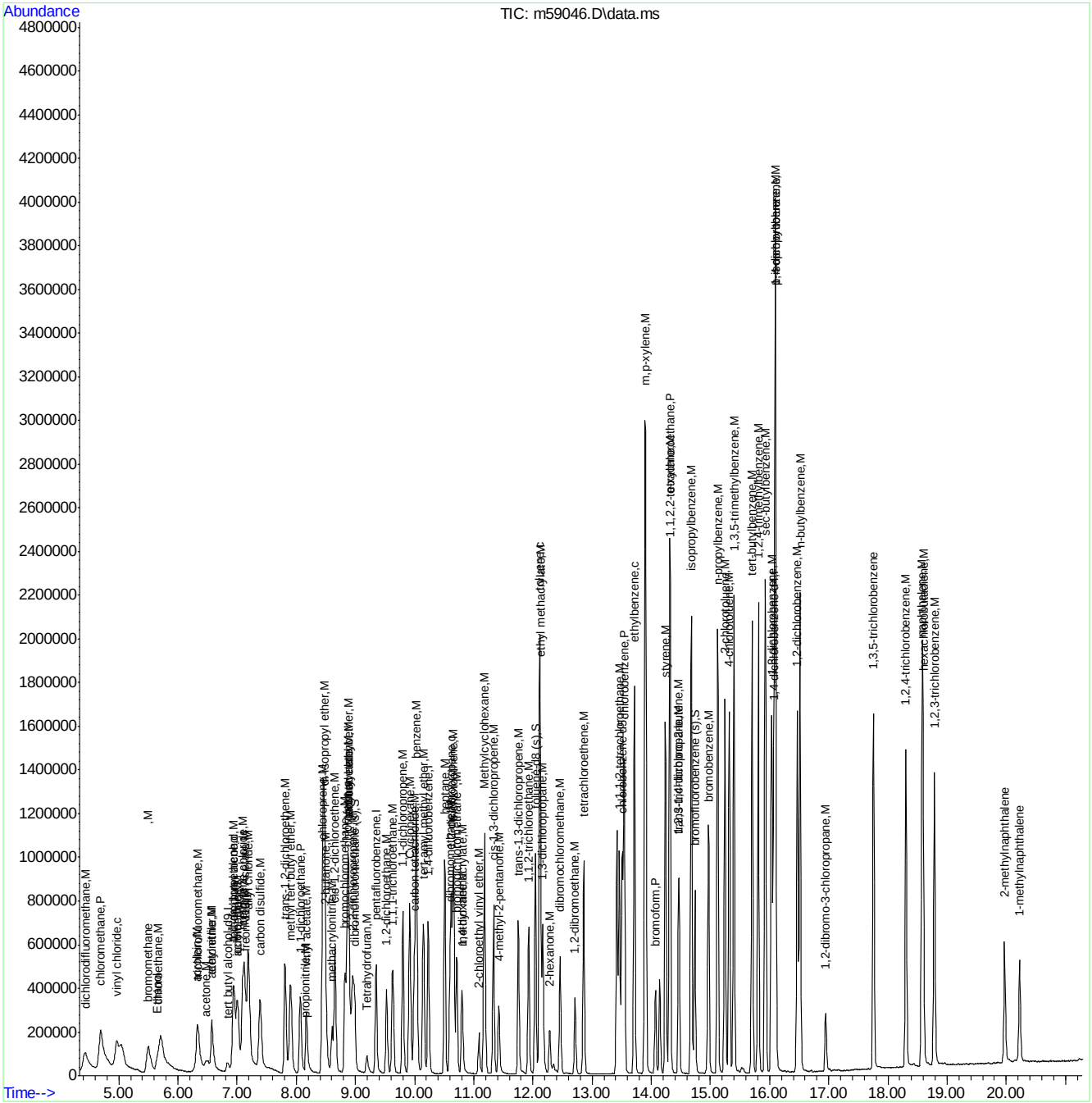
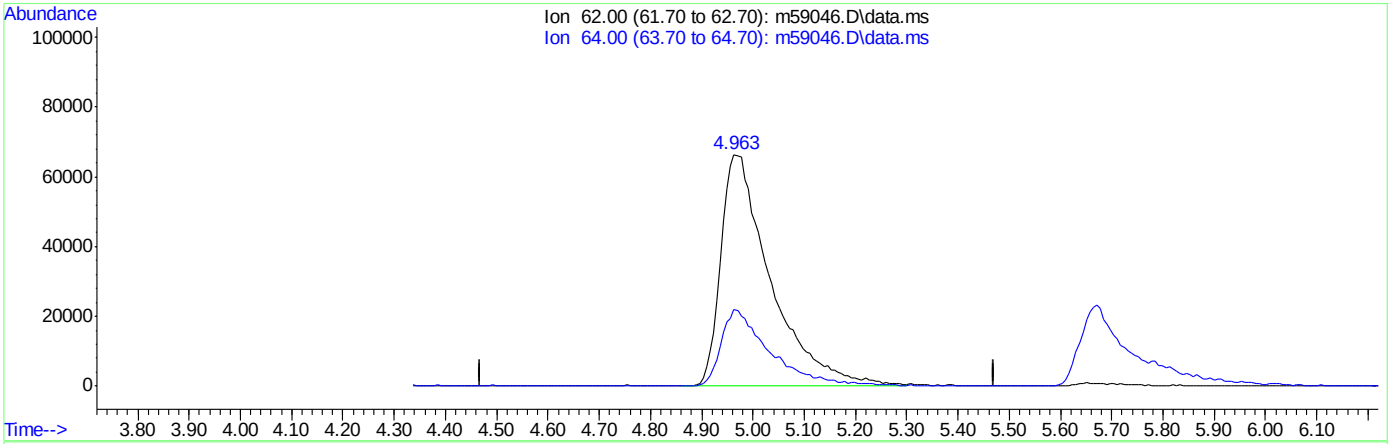
Quant Time: Sep 09 09:30:04 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

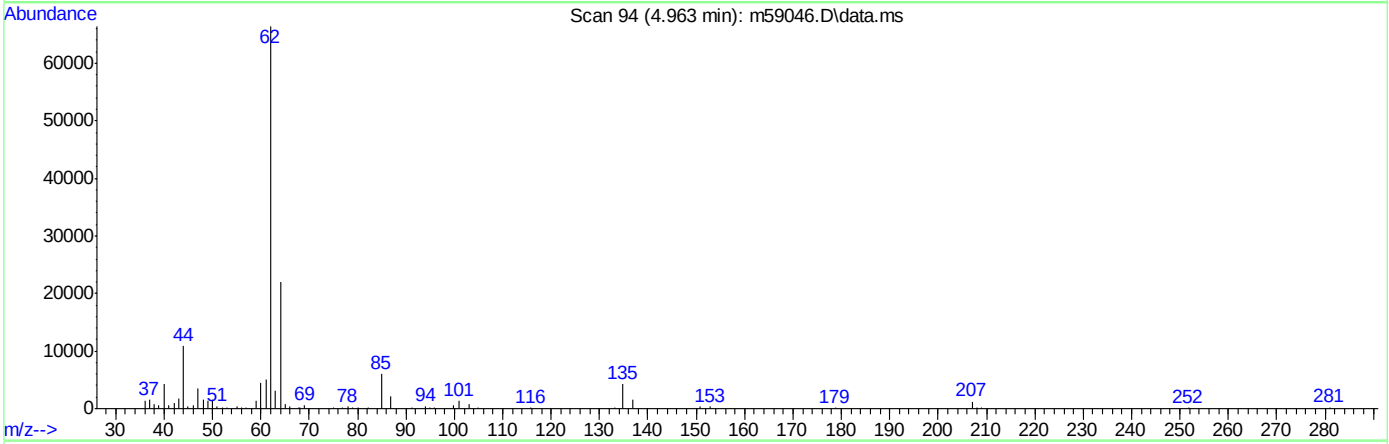


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59046.D
Acq On : 9 Sep 2013 8:51 am
Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:29:40 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59046.D\data.ms

(7) vinyl chloride (c)

4.963min (-0.007) 44.23ug/kg m

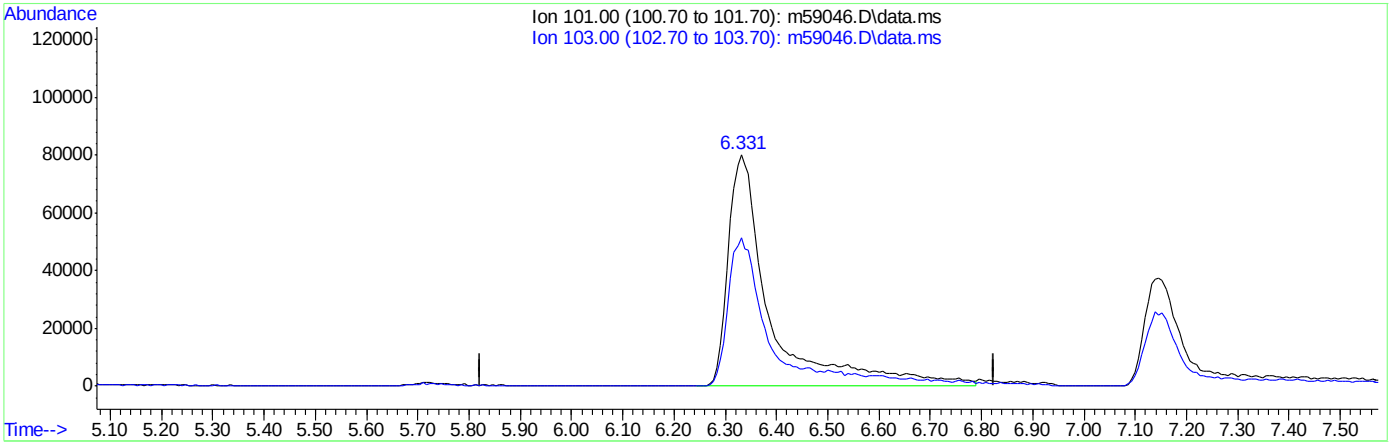
response 447392

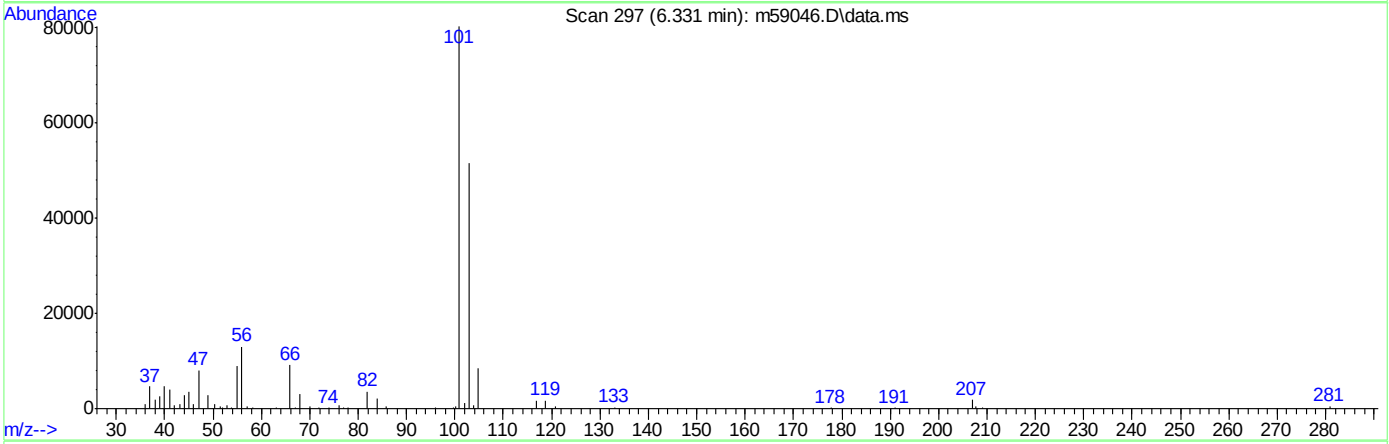
Ion	Exp%	Act%
62.00	100	100
64.00	29.50	33.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59046.D
Acq On : 9 Sep 2013 8:51 am
Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:29:40 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59046.D\data.ms

(12) trichlorofluoromethane (M)

6.331min (-0.013) 56.23ug/kg m

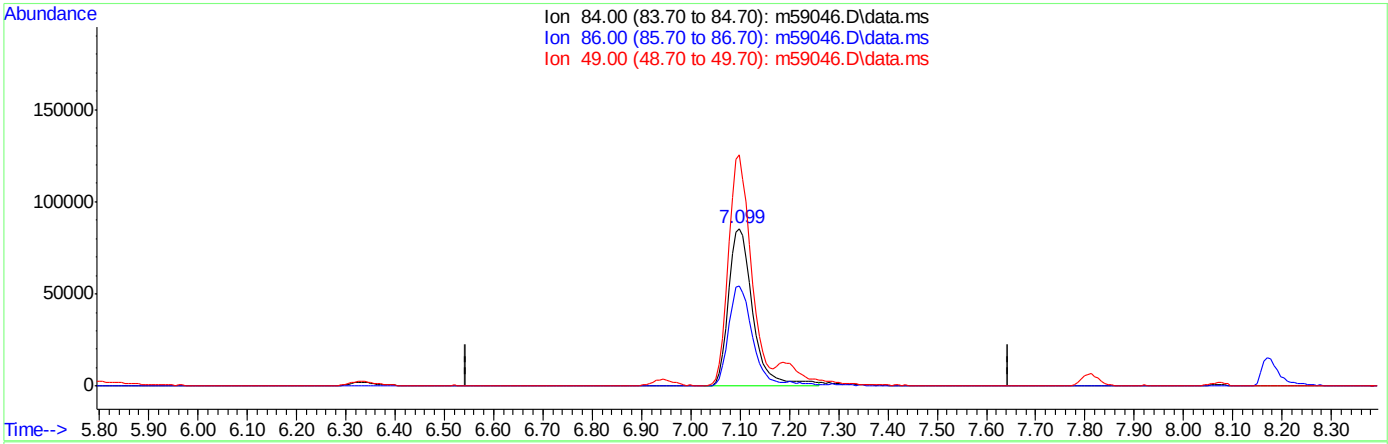
response 458088

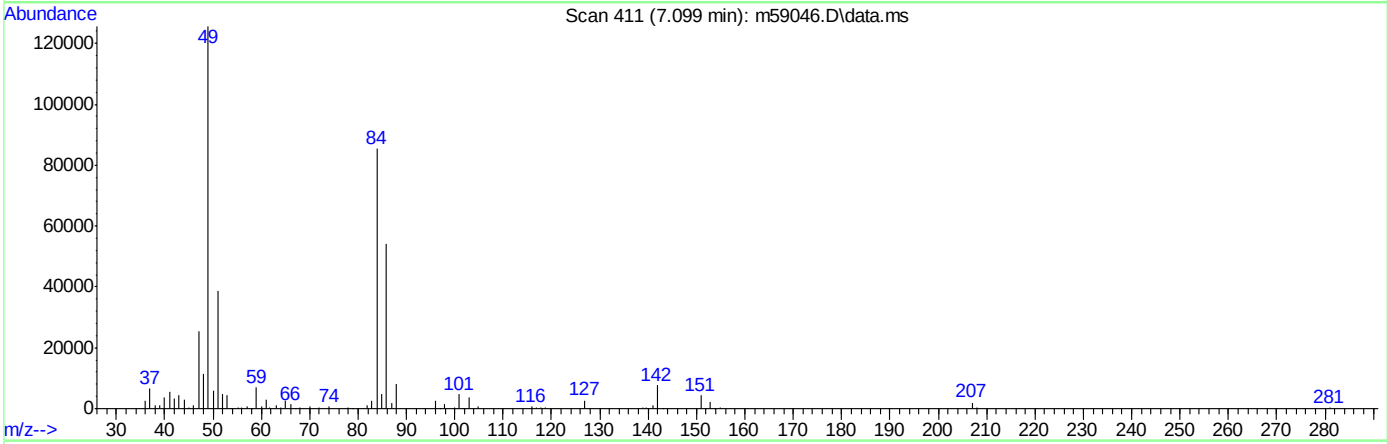
Ion	Exp%	Act%
101.00	100	100
103.00	62.50	64.25
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59046.D
Acq On : 9 Sep 2013 8:51 am
Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:29:40 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59046.D\data.ms

(18) methylene chloride (M)

7.099min (-0.006) 52.70ug/kg m

response 291450

Ion	Exp%	Act%
84.00	100	100
86.00	67.20	63.51
49.00	155.70	147.02
0.00	0.00	0.00

Accutest Laboratories of New England, Inc. **Instrument: GCMS K**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9361	8260 IS	250ug/ml
9307	SS	200ug/ml
9347	CAL	
9344	BS	

Daily Saved File

Tune file 1:	K73674
Tune file 2:	—
Initial Cal:	9-3-13
ID File:	K130903S.m
ICAL Verified:	K73685
Sequence verified:	

Date: 9-3-13

Batch ID: MSK 2393

Analysts GK

Signature:

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
K73672	blank	—	MS29792	8260 curve	1	S	10.0g	NA	50X	NA	✓
73	↓				2						✓
74	BFB Tune	↓			3						✓ 2:01pm
75	ic2393-0.5	3			4						✓
76	2				5						✓
77	5				6						✓
78	25				7						✓
79	icc 50				8						✓
80	100				9						✓
81	200				10						✓
82	400	↓			11						✓
83	blk	—			12						✓
84	↓	↓			13						✓
85	ICV2393-50	3			14						✓ 7:04pm

GK 9-4-13

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

15

7.2.1

7

Accutest Laboratories of New England, Inc. **Instrument: GCMS K**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS 9136	8260 IS	250 ug/ml
9307	SS	200 ug/ml
9347	CAL	
9344	BS	

Daily Saved File

Tune file 1:	K73805
Tune file 2:	—
Initial Cal:	9-3-13
ID File:	K130903S.m
ICAL Verified:	K73685
Sequence verified:	KL

Date: 9-9-13

Batch ID: MSK2397

Analysts GK

Signature: Gary Kramer

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
K73804	blk	—	MS29847	8260	1	S	10.0g	NA	50X	NA	✓
05	BFB/MC2393-50	3			2						✓✓ 9:19am
06	B5				3						✓
07	B5D				4						✓
08	blk	—			5						✓
09	MB				6						✓
10	MC24033-2	1		TCL42+	1		9.418				✓
11	MC24071-2	4		BTXN	2		9.332				✓
12	-3				3		11.104				✓
13	-4				4		14.373				✓
14	-17				5		24.45				✓
15	-19				6		20.0				✓ on target
16	-20				7		23.54				✓
17	-1				8		17.89		100X		✓
18	-22				9		26.14				✓
19	-21				10		23.41		250X		✓
20	MC24071-3MS				11		11.104		50X		✓
21	-3MSD				12						✓
22	MC23976-1	1	MS29826	STAR	13		9.719		500X		✓
23	MC24074-1	4	MS29832	STD+MTBE	14		8.618		10,000X		✓
24	MC24099-1	1	MS29847	STAR	15		10.360		50X		✓
25	2	2			16		10.486				✓
26	3	1			17		11.082				✓
27	4	2			18		10.411				✓
28	5	1			19		10.147				✓
29	6	1			20		10.096				✓
30	7	2			21		11.669		250X		rr 2000X TMB
31	8	2			22		10.899				Tune out rr 2000X TMB 500X 9:22pm
32	blk	—			23		—		50X		
33				—	24						✓

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

Review:_____

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9347	8260CC (1)	200ug/mL
344	BS (2)	200
330	IS	250
307	SS	200

Daily Saved File

Tune file 1:	M58633
Tune file 2:	
Initial Cal:	8/21/13
ID File:	M130821S.M
ICAL Verified:	KD
Sequence verified:	KR

Date: 8/21/13

Batch ID: MSM2022

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M58625	blank	NA	NA	8260	1	NA	NA	NA	NA	NA	-
26	blank	1		Low	2						-
27	blank	↓		Soil	3						-
28	test 0.5	1		Curve	4						OK
29	test 5	1			5						OK
30	test 400	↓			6						OK
31	blank	NA			7						-
32	blank	1			8						-
33	bfb	1			9						✓✓
34	blank	↓			10						-
35	IC2022-2	1			11						
36	-0.5				12						✓✓
37	-2				13						✓✓
38	-5				14						✓✓
39	-10				15						✓✓
40	-20				16						✓✓
41	ICC2022-50				17						✓✓
42	IC2022-100				18						✓✓
43	-200				19						✓✓
44	-400	↓			20						✓✓
45	blank	NA			21						
46	blank	↓			22						
47	ICV2022-50	2			23						✓✓
48	ICV2022-50	↓			24						
49	blank	NA			25						
50	blank	↓	↓	↓	26	↓	↓	↓	↓	↓	

8/21/13 KD

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

ACCUTEST LABORATORIES MC24023

Accutest Laboratories of New England, Inc.

Instrument: GCMS M

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9347	8260 CC	200ug/mL
↓ 44	↓ BS	200
↓ 49	↓ IS/SS	250

Daily Saved File

Tune file 1:	M58633
Tune file 2:	M58652
Initial Cal:	8/21/13
ID File:	M130821S.M
ICAL Verified:	KD
Sequence verified:	KD

Date: 8/22/13

Batch ID: MSM2022

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M58651	blank	NA	NA	NA	1	NA	NA	NA	NA	NA	-
52	CC2022-50	1			2						VV
53	BS	2			3						VV
54	blk	NA			4						-
55	mb	↓	↓	↓	5	↓	↓				VV
56	MC23682-1	11	MS29719	SL+	6	50	5.570				VV
57	-2	3			7		4.950				VV
58	-3	3			8		5.730				VV
59	MC23678-5	2		TCL	9		5.17				VV
60	MC23682-1MS	12		SL+	10		6.020				VV
61	-1MSD	8			11		6.120				VV
62	MC23527-1	3		RCP	12		5.870				Hold VV
63	-2	3			13		5.210				Time VV
64	-3	3			14		4.210				Today VV
65	MC23678-1	3		TCL	15		5.05				VV
66	-2	2			16		5.1				VV
67	MC23603-1	4		TCL+MTBE SPL, SPM	17		9.43				RR↓IS
68	-2	4			18		8.34				VV
69	-3	4			19		10.11				RR↓IS
70	-4	3			20		9.07				VV
71	-5	3			21		8.19				VV
72	-6	4			22		9.03				VV
73	-7	4			23		6.59				VV
74	MC23661-1	7		Std+MTBE	24		4.52				RR↓IS
75	-2	6	↓	↓	25	↓	4.66				VV
76	blank	NA	NA	NA	26	NA	NA	↓	↓	↓	-

8/22/13 KD

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:

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7.7.3

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Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9347	8260CC	200 ug/mL
44	BS	200
49	IS/SS	250

Daily Saved File

Tune file 1:	MS9046
Tune file 2:	NA
Initial Cal:	8/21/13
ID File:	M130821S.M
ICAL Verified:	KD
Sequence verified:	KR

Date: 9/9/13

Batch ID: MSM2039

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
MS9045	blank	NA	NA	NA	1	NA	NA	NA	NA	NA	-
46	CC2022-50	3			2						VV
47	BS	3			3						VV
48	BSD	3			4						-
49	iblk	NA			5						-
50	mb	NA			6						VV
51	MC24071-18	2	MS29844	BTXN	7	50	12.56				VV
52	MC24075-1	2		BTX	8		4.917				VV
53	-2	2			9		6.239				VV
54	-3	2			10		5.697				VV
55	MC24074-7	2	MS29833	Std+MTBE	11		5.592				VV
56	MC24023-1	1	MS29844	TCL42+	12		4.431				20+ICS VV
57	-3	1			13		4.784				VV
58	-5	2			14		4.784				VV
59	-7	1			15		4.574				VV
60	MC24064-1	2			16		4.533				VV
61	MC24155-2	4	MS29850	STAR	17		7.820				VV
62	-3	4			18		4.46				VV
63	MC24064-1MS	2	MS29844	TCL42+	19		5.178				VV
64	-1MSD	2			20		5.594				VV
65	MC24075-4	2		BTX	21		5.532				VV
66	-5	3			22		4.363				VV
67	-6	2			23		5.947				VV
68	-7	2			24		4.691				VV
69	-8	3			25		6.004				VV
70	-9	3			26		4.142				VV
71	Blank	NA	NA	NA	27	NA	NA				-
									9/9/13	KD	

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

ACCUTEST LABORATORIES MC24023

New England ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34724-MB	R33453.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24023-2, MC24023-5, MC24023-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	250	11	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	490	13	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	490	14	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	490	81	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	990	120	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	490	62	ug/kg	
95-48-7	2-Methylphenol	ND	490	20	ug/kg	
	3&4-Methylphenol	ND	490	24	ug/kg	
88-75-5	2-Nitrophenol	ND	490	13	ug/kg	
100-02-7	4-Nitrophenol	ND	990	93	ug/kg	
87-86-5	Pentachlorophenol	ND	490	35	ug/kg	
108-95-2	Phenol	ND	250	14	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	490	12	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	490	12	ug/kg	
83-32-9	Acenaphthene	ND	99	13	ug/kg	
208-96-8	Acenaphthylene	ND	99	9.9	ug/kg	
98-86-2	Acetophenone	ND	490	11	ug/kg	
120-12-7	Anthracene	ND	99	12	ug/kg	
1912-24-9	Atrazine	ND	490	490	ug/kg	
100-52-7	Benzaldehyde	ND	490	490	ug/kg	
56-55-3	Benzo(a)anthracene	ND	99	13	ug/kg	
50-32-8	Benzo(a)pyrene	ND	99	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	99	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	99	9.9	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	99	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	490	99	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	250	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	250	10	ug/kg	
105-60-2	Caprolactam	ND	490	490	ug/kg	
91-58-7	2-Chloronaphthalene	ND	250	13	ug/kg	
106-47-8	4-Chloroaniline	ND	490	12	ug/kg	
86-74-8	Carbazole	ND	99	12	ug/kg	
218-01-9	Chrysene	ND	99	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	250	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	250	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	250	18	ug/kg	

Method Blank Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34724-MB	R33453.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24023-2, MC24023-5, MC24023-7

CAS No.	Compound	Result	RL	MDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	ND	250	15	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	490	33	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	490	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	250	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	99	12	ug/kg	
132-64-9	Dibenzofuran	ND	99	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	250	26	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	250	7.7	ug/kg	
84-66-2	Diethyl phthalate	ND	250	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	250	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	250	9.1	ug/kg	
206-44-0	Fluoranthene	ND	99	14	ug/kg	
86-73-7	Fluorene	ND	99	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	250	15	ug/kg	
87-68-3	Hexachlorobutadiene	ND	250	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	490	120	ug/kg	
67-72-1	Hexachloroethane	ND	250	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	99	11	ug/kg	
78-59-1	Isophorone	ND	250	11	ug/kg	
91-57-6	2-Methylnaphthalene	ND	99	13	ug/kg	
88-74-4	2-Nitroaniline	ND	490	12	ug/kg	
99-09-2	3-Nitroaniline	ND	490	27	ug/kg	
100-01-6	4-Nitroaniline	ND	490	12	ug/kg	
91-20-3	Naphthalene	ND	99	16	ug/kg	
98-95-3	Nitrobenzene	ND	250	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	250	14	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	250	15	ug/kg	
85-01-8	Phenanthrene	ND	99	13	ug/kg	
129-00-0	Pyrene	ND	99	12	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	75%	30-130%
4165-62-2	Phenol-d5	74%	30-130%
118-79-6	2,4,6-Tribromophenol	77%	30-130%

Method Blank Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34724-MB	R33453.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24023-2, MC24023-5, MC24023-7

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	67%	30-130%
321-60-8	2-Fluorobiphenyl	78%	30-130%
1718-51-0	Terphenyl-d14	86%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/kg	

Blank Spike Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34724-BS	R33454.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24023-2, MC24023-5, MC24023-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	2420	2040	84	30-130
59-50-7	4-Chloro-3-methyl phenol	2420	2010	83	30-130
120-83-2	2,4-Dichlorophenol	2420	2150	89	30-130
105-67-9	2,4-Dimethylphenol	2420	1900	79	30-130
51-28-5	2,4-Dinitrophenol	2420	2140	88	30-130
534-52-1	4,6-Dinitro-o-cresol	2420	2400	99	30-130
95-48-7	2-Methylphenol	2420	2190	90	30-130
	3&4-Methylphenol	4840	4000	83	30-130
88-75-5	2-Nitrophenol	2420	2130	88	30-130
100-02-7	4-Nitrophenol	2420	1710	71	30-130
87-86-5	Pentachlorophenol	2420	1940	80	30-130
108-95-2	Phenol	2420	2200	91	30-130
95-95-4	2,4,5-Trichlorophenol	2420	2370	98	30-130
88-06-2	2,4,6-Trichlorophenol	2420	2260	93	30-130
83-32-9	Acenaphthene	2420	2510	104	40-140
208-96-8	Acenaphthylene	2420	2070	86	40-140
98-86-2	Acetophenone	2420	2100	87	40-140
120-12-7	Anthracene	2420	2670	110	40-140
1912-24-9	Atrazine	2420	2410	100	40-140
100-52-7	Benzaldehyde	2420	840	35* [a]	40-140
56-55-3	Benzo(a)anthracene	2420	3020	125	40-140
50-32-8	Benzo(a)pyrene	2420	2570	106	40-140
205-99-2	Benzo(b)fluoranthene	2420	3150	130	40-140
191-24-2	Benzo(g,h,i)perylene	2420	2810	116	40-140
207-08-9	Benzo(k)fluoranthene	2420	2370	98	40-140
92-52-4	1,1'-Biphenyl	2420	2350	97	40-140
101-55-3	4-Bromophenyl phenyl ether	2420	2780	115	40-140
85-68-7	Butyl benzyl phthalate	2420	2920	121	40-140
105-60-2	Caprolactam	2420	2110	87	40-140
91-58-7	2-Chloronaphthalene	2420	2570	106	40-140
106-47-8	4-Chloroaniline	2420	1900	79	40-140
86-74-8	Carbazole	2420	2800	116	40-140
218-01-9	Chrysene	2420	2850	118	40-140
111-91-1	bis(2-Chloroethoxy)methane	2420	2350	97	40-140
111-44-4	bis(2-Chloroethyl)ether	2420	2200	91	40-140
108-60-1	bis(2-Chloroisopropyl)ether	2420	2620	108	40-140

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34724-BS	R33454.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24023-2, MC24023-5, MC24023-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
7005-72-3	4-Chlorophenyl phenyl ether	2420	2640	109	40-140
121-14-2	2,4-Dinitrotoluene	2420	2780	115	40-140
606-20-2	2,6-Dinitrotoluene	2420	2720	112	40-140
91-94-1	3,3'-Dichlorobenzidine	2420	1670	69	40-140
53-70-3	Dibenzo(a,h)anthracene	2420	2830	117	40-140
132-64-9	Dibenzofuran	2420	2460	102	40-140
84-74-2	Di-n-butyl phthalate	2420	2740	113	40-140
117-84-0	Di-n-octyl phthalate	2420	2920	121	40-140
84-66-2	Diethyl phthalate	2420	2630	109	40-140
131-11-3	Dimethyl phthalate	2420	2660	110	40-140
117-81-7	bis(2-Ethylhexyl)phthalate	2420	2830	117	40-140
206-44-0	Fluoranthene	2420	2950	122	40-140
86-73-7	Fluorene	2420	2600	107	40-140
118-74-1	Hexachlorobenzene	2420	2590	107	40-140
87-68-3	Hexachlorobutadiene	2420	2180	90	40-140
77-47-4	Hexachlorocyclopentadiene	2420	1210	50	40-140
67-72-1	Hexachloroethane	2420	2010	83	40-140
193-39-5	Indeno(1,2,3-cd)pyrene	2420	2780	115	40-140
78-59-1	Isophorone	2420	2150	89	40-140
91-57-6	2-Methylnaphthalene	2420	2210	91	40-140
88-74-4	2-Nitroaniline	2420	2910	120	40-140
99-09-2	3-Nitroaniline	2420	2340	97	40-140
100-01-6	4-Nitroaniline	2420	2630	109	40-140
91-20-3	Naphthalene	2420	3040	126	40-140
98-95-3	Nitrobenzene	2420	1970	81	40-140
621-64-7	N-Nitroso-di-n-propylamine	2420	2120	88	40-140
86-30-6	N-Nitrosodiphenylamine	2420	2590	107	40-140
85-01-8	Phenanthrene	2420	2750	114	40-140
129-00-0	Pyrene	2420	2850	118	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	81%	30-130%
4165-62-2	Phenol-d5	81%	30-130%
118-79-6	2,4,6-Tribromophenol	87%	30-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34724-BS	R33454.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24023-2, MC24023-5, MC24023-7

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	71%	30-130%
321-60-8	2-Fluorobiphenyl	84%	30-130%
1718-51-0	Terphenyl-d14	95%	30-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34724-MS	R33455.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218
OP34724-MSD	R33456.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218
MC24047-1	R33457.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24023-2, MC24023-5, MC24023-7

CAS No.	Compound	MC24047-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	270 U		2690	2020	75	2080	76	3	30-130/30
59-50-7	4-Chloro-3-methyl phenol	540 U		2690	2160	80	2100	77	3	30-130/30
120-83-2	2,4-Dichlorophenol	540 U		2690	2220	83	2190	80	1	30-130/30
105-67-9	2,4-Dimethylphenol	540 U		2690	1730	64	1760	65	2	30-130/30
51-28-5	2,4-Dinitrophenol	1100 U		2690	1120	42	1010	37	10	30-130/30
534-52-1	4,6-Dinitro-o-cresol	540 U		2690	2240	83	2000	73	11	30-130/30
95-48-7	2-Methylphenol	540 U		2690	2160	80	2160	79	0	30-130/30
	3&4-Methylphenol	540 U		5370	4050	75	3990	73	1	30-130/30
88-75-5	2-Nitrophenol	540 U		2690	2160	80	2190	80	1	30-130/30
100-02-7	4-Nitrophenol	1100 U		2690	2030	76	1780	65	13	30-130/30
87-86-5	Pentachlorophenol	540 U		2690	2010	75	1830	67	9	30-130/30
108-95-2	Phenol	270 U		2690	2210	82	2220	82	0	30-130/30
95-95-4	2,4,5-Trichlorophenol	540 U		2690	2540	95	2340	86	8	30-130/30
88-06-2	2,4,6-Trichlorophenol	540 U		2690	2320	86	2260	83	3	30-130/30
83-32-9	Acenaphthene	110 U		2690	2610	97	2590	95	1	40-140/30
208-96-8	Acenaphthylene	110 U		2690	2090	78	2140	79	2	40-140/30
98-86-2	Acetophenone	540 U		2690	2130	79	2170	80	2	40-140/30
120-12-7	Anthracene	110 U		2690	2990	111	2880	106	4	40-140/30
1912-24-9	Atrazine	540 U		2690	2760	103	2580	95	7	40-140/30
100-52-7	Benzaldehyde	540 U		2690	860	32* [a]	901	33* [a]	5	40-140/30
56-55-3	Benzo(a)anthracene	110 U		2690	3310	123	3200	118	3	40-140/30
50-32-8	Benzo(a)pyrene	110 U		2690	2950	110	2800	103	5	40-140/30
205-99-2	Benzo(b)fluoranthene	110 U		2690	3630	135	3440	126	5	40-140/30
191-24-2	Benzo(g,h,i)perylene	110 U		2690	3200	119	3070	113	4	40-140/30
207-08-9	Benzo(k)fluoranthene	110 U		2690	2720	101	2590	95	5	40-140/30
92-52-4	1,1'-Biphenyl	540 U		2690	2370	88	2450	90	3	40-140/30
101-55-3	4-Bromophenyl phenyl ether	270 U		2690	2940	109	2950	108	0	40-140/30
85-68-7	Butyl benzyl phthalate	270 U		2690	3250	121	3070	113	6	40-140/30
105-60-2	Caprolactam	540 U		2690	2100	78	1960	72	7	40-140/30
91-58-7	2-Chloronaphthalene	270 U		2690	2620	98	2710	100	3	40-140/30
106-47-8	4-Chloroaniline	540 U		2690	1900	71	2000	73	5	40-140/30
86-74-8	Carbazole	110 U		2690	3160	118	3020	111	5	40-140/30
218-01-9	Chrysene	110 U		2690	3130	116	2990	110	5	40-140/30
111-91-1	bis(2-Chloroethoxy)methane	270 U		2690	2330	87	2460	90	5	40-140/30
111-44-4	bis(2-Chloroethyl)ether	270 U		2690	2220	83	2330	86	5	40-140/30
108-60-1	bis(2-Chloroisopropyl)ether	270 U		2690	2620	98	2720	100	4	40-140/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34724-MS	R33455.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218
OP34724-MSD	R33456.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218
MC24047-1	R33457.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24023-2, MC24023-5, MC24023-7

CAS No.	Compound	MC24047-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
7005-72-3	4-Chlorophenyl phenyl ether	270	U	2690	2750	102	2700	99	2	40-140/30
121-14-2	2,4-Dinitrotoluene	540	U	2690	3120	116	2970	109	5	40-140/30
606-20-2	2,6-Dinitrotoluene	540	U	2690	2900	108	2710	100	7	40-140/30
91-94-1	3,3'-Dichlorobenzidine	270	U	2690	1700	63	1700	62	0	40-140/30
53-70-3	Dibenzo(a,h)anthracene	110	U	2690	3220	120	3090	114	4	40-140/30
132-64-9	Dibenzofuran	110	U	2690	2570	96	2590	95	1	40-140/30
84-74-2	Di-n-butyl phthalate	270	U	2690	3100	115	2980	110	4	40-140/30
117-84-0	Di-n-octyl phthalate	270	U	2690	3340	124	3200	118	4	40-140/30
84-66-2	Diethyl phthalate	270	U	2690	2910	108	2820	104	3	40-140/30
131-11-3	Dimethyl phthalate	270	U	2690	2810	105	2790	103	1	40-140/30
117-81-7	bis(2-Ethylhexyl)phthalate	270	U	2690	3140	117	3020	111	4	40-140/30
206-44-0	Fluoranthene	110	U	2690	3300	123	3160	116	4	40-140/30
86-73-7	Fluorene	110	U	2690	2800	104	2710	100	3	40-140/30
118-74-1	Hexachlorobenzene	270	U	2690	2880	107	2730	100	5	40-140/30
87-68-3	Hexachlorobutadiene	270	U	2690	2230	83	2370	87	6	40-140/30
77-47-4	Hexachlorocyclopentadiene	540	U	2690	1150	43	1270	47	10	40-140/30
67-72-1	Hexachloroethane	270	U	2690	1990	74	2070	76	4	40-140/30
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	2690	3160	118	3030	111	4	40-140/30
78-59-1	Isophorone	270	U	2690	2190	82	2230	82	2	40-140/30
91-57-6	2-Methylnaphthalene	110	U	2690	2250	84	2330	86	3	40-140/30
88-74-4	2-Nitroaniline	540	U	2690	3000	112	3020	111	1	40-140/30
99-09-2	3-Nitroaniline	540	U	2690	2610	97	2540	93	3	40-140/30
100-01-6	4-Nitroaniline	540	U	2690	2830	105	2760	101	3	40-140/30
91-20-3	Naphthalene	110	U	2690	3080	115	3200	118	4	40-140/30
98-95-3	Nitrobenzene	270	U	2690	1980	74	2050	75	3	40-140/30
621-64-7	N-Nitroso-di-n-propylamine	270	U	2690	2170	81	2280	84	5	40-140/30
86-30-6	N-Nitrosodiphenylamine	270	U	2690	2870	107	2770	102	4	40-140/30
85-01-8	Phenanthrene	110	U	2690	3160	118	2970	109	6	40-140/30
129-00-0	Pyrene	110	U	2690	3200	119	3040	112	5	40-140/30

CAS No.	Surrogate Recoveries	MS	MSD	MC24047-1	Limits
367-12-4	2-Fluorophenol	73%	73%	62%	30-130%
4165-62-2	Phenol-d5	73%	74%	64%	30-130%
118-79-6	2,4,6-Tribromophenol	82%	81%	66%	30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34724-MS	R33455.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218
OP34724-MSD	R33456.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218
MC24047-1	R33457.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24023-2, MC24023-5, MC24023-7

CAS No.	Surrogate Recoveries	MS	MSD	MC24047-1	Limits
4165-60-0	Nitrobenzene-d5	65%	65%	58%	30-130%
321-60-8	2-Fluorobiphenyl	76%	77%	67%	30-130%
1718-51-0	Terphenyl-d14	94%	88%	75%	30-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSR1159-DFTPP
Lab File ID: R31829.D
Instrument ID: GCMSR
Injection Date: 06/28/13
Injection Time: 19:25

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	15081	37.7		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	15275	38.1		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	18690	46.7		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	40043	100.0		Pass
199	5.0 - 9.0% of mass 198	2731	6.82		Pass
275	10.0 - 30.0% of mass 198	10188	25.4		Pass
365	1.0 - 100.0% of mass 198	1276	3.19		Pass
441	Present, but less than mass 443	5840	14.6	(81.2) [b]	Pass
442	40.0 - 100.0% of mass 198	36685	91.6		Pass
443	17.0 - 23.0% of mass 442	7191	18.0	(19.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSR1159-ICC1159	R31830.D	06/28/13	19:48	00:23	Initial cal 50
MSR1159-IC1159	R31831.D	06/28/13	20:11	00:46	Initial cal 2
MSR1159-IC1159	R31832.D	06/28/13	20:33	01:08	Initial cal 5
MSR1159-IC1159	R31833.D	06/28/13	20:56	01:31	Initial cal 10
MSR1159-IC1159	R31834.D	06/28/13	21:19	01:54	Initial cal 20
MSR1159-IC1159	R31835.D	06/28/13	21:42	02:17	Initial cal 80
MSR1159-IC1159	R31836.D	06/28/13	22:05	02:40	Initial cal 120
MSR1159-IC1159	R31837.D	06/28/13	22:27	03:02	Initial cal 160
MSR1159-IC1159	R31839.D	06/28/13	23:13	03:48	Initial cal 5
MSR1159-IC1159	R31840.D	06/28/13	23:36	04:11	Initial cal 10
MSR1159-IC1159	R31841.D	06/28/13	23:59	04:34	Initial cal 20
MSR1159-IC1159	R31842.D	06/29/13	00:21	04:56	Initial cal 50
MSR1159-IC1159	R31843.D	06/29/13	00:45	05:20	Initial cal 80
MSR1159-IC1159	R31844.D	06/29/13	01:08	05:43	Initial cal 120
MSR1159-IC1159	R31845.D	06/29/13	01:32	06:07	Initial cal 160

Instrument Performance Check (DFTPP)

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSR1218-DFTPP
Lab File ID: R33450.D
Instrument ID: GCMSR
Injection Date: 09/10/13
Injection Time: 07:50

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	19794	34.9		Pass
68	Less than 2.0% of mass 69	256	0.45	(1.37) [a]	Pass
69	Mass 69 relative abundance	18724	33.0		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	23816	42.0		Pass
197	Less than 1.0% of mass 198	351	0.62		Pass
198	Base peak, 100% relative abundance	56696	100.0		Pass
199	5.0 - 9.0% of mass 198	3813	6.73		Pass
275	10.0 - 30.0% of mass 198	12414	21.9		Pass
365	1.0 - 100.0% of mass 198	1369	2.41		Pass
441	Present, but less than mass 443	7142	12.6	(72.6) [b]	Pass
442	40.0 - 100.0% of mass 198	45116	79.6		Pass
443	17.0 - 23.0% of mass 442	9835	17.3	(21.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSR1218-CC1159	R33451.D	09/10/13	08:13	00:23	Continuing cal 50
MSR1218-CC1159	R33452.D	09/10/13	08:35	00:45	Continuing cal 50
OP34724-MB	R33453.D	09/10/13	08:58	01:08	Method Blank
OP34724-BS	R33454.D	09/10/13	09:21	01:31	Blank Spike
OP34724-MS	R33455.D	09/10/13	09:43	01:53	Matrix Spike
OP34724-MSD	R33456.D	09/10/13	10:06	02:16	Matrix Spike Duplicate
MC24047-1	R33457.D	09/10/13	10:28	02:38	(used for QC only; not part of job MC24023)
MC24023-2	R33458.D	09/10/13	10:51	03:01	LBA-MW-24-(1)
MC24023-5	R33459.D	09/10/13	11:14	03:24	LBA-MW-26-(12)
MC24023-7	R33460.D	09/10/13	11:36	03:46	LBA-MW-27-(16-17.7)
ZZZZZZ	R33461.D	09/10/13	11:59	04:09	(unrelated sample)
ZZZZZZ	R33462.D	09/10/13	12:22	04:32	(unrelated sample)
ZZZZZZ	R33463.D	09/10/13	12:44	04:54	(unrelated sample)
ZZZZZZ	R33464.D	09/10/13	13:07	05:17	(unrelated sample)
ZZZZZZ	R33465.D	09/10/13	13:30	05:40	(unrelated sample)
ZZZZZZ	R33466.D	09/10/13	13:52	06:02	(unrelated sample)
ZZZZZZ	R33467.D	09/10/13	14:15	06:25	(unrelated sample)
ZZZZZZ	R33468.D	09/10/13	14:38	06:48	(unrelated sample)
ZZZZZZ	R33469.D	09/10/13	15:01	07:11	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample:	MSR1218-DFTPP	**Injection Date:**	09/10/13
Lab File ID:	R33450.D	**Injection Time:**	07:50
Instrument ID:	GCMSR		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	R33470.D	09/10/13	15:24	07:34	(unrelated sample)
ZZZZZZ	R33471.D	09/10/13	15:46	07:56	(unrelated sample)
ZZZZZZ	R33472.D	09/10/13	16:09	08:19	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std: MSR1218-CC1159 **Injection Date:** 09/10/13
Lab File ID: R33451.D **Injection Time:** 08:13
Instrument ID: GCMSR **Method:** SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	56406	4.00	208881	5.05	126569	6.57	220181	7.95	238566	10.89	228762	12.47
Upper Limit [a]	112812	4.50	417762	5.55	253138	7.07	440362	8.45	477132	11.39	457524	12.97
Lower Limit [b]	28203	3.50	104441	4.55	63285	6.07	110091	7.45	119283	10.39	114381	11.97

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP34724-MB	100688	4.00	357509	5.05	215109	6.57	374333	7.95	392125	10.89	381698	12.47
OP34724-BS	101780	4.00	374962	5.05	224751	6.57	378351	7.95	390549	10.90	387358	12.47
OP34724-MS	104272	4.00	382497	5.05	233844	6.57	389667	7.95	405013	10.90	385697	12.47
OP34724-MSD	108041	4.00	391413	5.05	237496	6.57	393710	7.95	417916	10.90	399640	12.47
MC24047-1	70188	4.00	251319	5.05	156574	6.57	271263	7.95	287223	10.88	276563	12.47
MC24023-2	68230	4.00	245238	5.05	152231	6.57	259807	7.95	282198	10.89	271715	12.47
MC24023-5	95190	4.00	344590	5.05	212590	6.57	357498	7.95	386335	10.89	382665	12.47
MC24023-7	75716	4.00	271956	5.05	168980	6.57	286386	7.95	309652	10.89	301789	12.48
ZZZZZZ	100512	4.00	362634	5.05	225261	6.57	365319	7.95	360345	10.92	355091	12.52
ZZZZZZ	96755	4.00	355594	5.05	217816	6.57	365993	7.95	391789	10.89	379461	12.48
ZZZZZZ	90443	4.00	320951	5.05	198397	6.57	335269	7.95	368804	10.89	357104	12.47
ZZZZZZ	78951	4.00	286730	5.05	176761	6.57	301940	7.95	333270	10.89	328350	12.47
ZZZZZZ	101903	4.00	368162	5.05	226989	6.57	377137	7.95	400087	10.89	383798	12.47
ZZZZZZ	102175	4.00	376866	5.05	225937	6.57	387652	7.95	404635	10.89	391807	12.47
ZZZZZZ	100236	4.00	374491	5.05	225207	6.57	382741	7.95	398687	10.89	380987	12.47
ZZZZZZ	104584	4.00	375116	5.05	227243	6.57	389069	7.95	409581	10.89	406803	12.47
ZZZZZZ	104277	4.00	375316	5.05	232367	6.57	393349	7.95	418543	10.89	406104	12.48
ZZZZZZ	89740	4.00	328802	5.05	207734	6.58	341677	7.96	381349	10.90	357912	12.47
ZZZZZZ	85265	4.00	279792	5.05	188913	6.58	303657	7.96	328383	10.90	320465	12.47
ZZZZZZ	80144	4.00	295321	5.05	191319	6.58	321324	7.95	356402	10.89	342142	12.47

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8270C **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC24023-2	R33458.D	67.0	67.0	70.0	60.0	75.0	82.0
MC24023-5	R33459.D	67.0	64.0	85.0	60.0	68.0	99.0
MC24023-7	R33460.D	65.0	68.0	93.0	59.0	81.0	97.0
OP34724-BS	R33454.D	81.0	81.0	87.0	71.0	84.0	95.0
OP34724-MB	R33453.D	75.0	74.0	77.0	67.0	78.0	86.0
OP34724-MS	R33455.D	73.0	73.0	82.0	65.0	76.0	94.0
OP34724-MSD	R33456.D	73.0	74.0	81.0	65.0	77.0	88.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	30-130%
S2 = Phenol-d5	30-130%
S3 = 2,4,6-Tribromophenol	30-130%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

Initial Calibration Summary

Job Number: MC24023 **Sample:** MSR1159-ICC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31830.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report MSR

Method : W:\1\methods\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

Calibration Files
160 =R31845.D 120 =R31844.D 80 =R31843.D 20 =R31841.D
5 =R31839.D 2 =R31831.D 10 =R31840.D 50 =R31842.D

	Compound	160	120	80	20	5	2	10	50	Avg	%RSD
1)	I 1,4-Dichlorobenzene-d	ISTD									
2)	N-nitrosodim	0.816	0.822	0.786	0.784	0.710		0.795	0.791	0.786	4.67
3)	Pyridine	1.434	1.468	1.433	1.428	1.372		1.426	1.449	1.430	2.05
4)	Aniline	1.906	1.924	1.873	1.823	1.746	1.640	1.793	1.871	1.822	5.18
5)	2-Fluorophen	1.258	1.270	1.207	1.195	1.238	1.083	1.215	1.233	1.213	4.79
6)	bis(2-Chloro	0.888	0.906	0.859	0.857	0.889	0.781	0.866	0.875	0.865	4.37
7)	Phenol-d5	1.594	1.597	1.530	1.524	1.518	1.541	1.462	1.516	1.535	2.85
8)	Phenol	1.604	1.611	1.566	1.557	1.446	1.434	1.457	1.546	1.528	4.68
9)	2-Chlorophen	1.350	1.380	1.314	1.287	1.177	1.186	1.283	1.323	1.287	5.64
10)	1,3-Dichloro	1.493	1.499	1.444	1.449	1.444	1.381	1.480	1.458	1.456	2.56
11)	1,4-Dichloro	1.564	1.574	1.514	1.491	1.439	1.519	1.471	1.544	1.515	3.05
12)	1,2-Dichloro	1.420	1.441	1.366	1.325	1.277	1.282	1.334	1.408	1.357	4.60
13)	Benzyl alcoh	0.866	0.885	0.848	0.796	0.754		0.778	0.866	0.828	6.14
14)	bis(2-chloro	1.520	1.521	1.479	1.492	1.508	1.365	1.419	1.513	1.477	3.80
15)	o-cresol	1.165	1.169	1.154	1.104	1.041	1.030	1.027	1.169	1.107	5.92
16)	Acetophenone	1.871	1.909	1.853	1.862	1.816	1.700	1.728	1.884	1.828	4.14
17)	Hexachloroet	0.576	0.590	0.569	0.572	0.552	0.548	0.536	0.576	0.565	3.13
18)	N-Nitroso-di	0.892	0.902	0.870	0.877	0.744	0.937	0.787	0.861	0.859	7.32
19)	m+p-cresols	1.284	1.293	1.252	1.180	1.157	1.130	1.141	1.265	1.213	5.57
20)	4-methylphen	1.284	1.293	1.252	1.180	1.157	1.130	1.141	1.264	1.213	5.56
21)	I 1,4-Dichlorobenzene-d	ISTD									
22)	Benzaldehyde			1.030	0.999	0.925		1.134	1.025	1.023	7.34
23)	I Naphthalene-d8	ISTD									
24)	Nitrobenzene	0.403	0.392	0.380	0.386	0.381	0.361	0.376	0.379	0.382	3.21
25)	Nitrobenzene	0.400	0.387	0.379	0.384	0.389	0.393	0.374	0.381	0.386	2.14
26)	Isophorone	0.694	0.675	0.645	0.645	0.598	0.618	0.617	0.648	0.643	4.90
27)	2-Nitropheno	0.203	0.193	0.186	0.175	0.166		0.174	0.189	0.184	6.86
28)	2,4-Dimethyl	0.369	0.361	0.340	0.351	0.283		0.331	0.350	0.341	8.36
29)	bis(2-Chloro	0.411	0.401	0.386	0.396	0.367		0.377	0.374	0.388	4.09
30)	Benzoic acid	0.292	0.280	0.262	0.196			0.158	0.240	0.238	21.79
	---- Linear regression ---- Coefficient = 0.9955										
	Response Ratio = -0.03395 + 0.28255 *A										
31)	2,4-Dichloro	0.325	0.312	0.304	0.295	0.260		0.295	0.312	0.300	6.88
32)	1,2,4-Trichl	0.355	0.339	0.327	0.336	0.339	0.325	0.325	0.327	0.334	3.15
33)	Naphthalene	1.120	1.066	1.023	1.044	0.983	1.037	1.028	1.046	1.044	3.76
34)	2,6-Dichloro	0.315	0.310	0.295	0.303	0.274		0.282	0.303	0.297	4.95
35)	4-Chloroanil	0.466	0.445	0.435	0.439	0.402		0.410	0.437	0.433	4.97
36)	Hexachlorobu	0.217	0.215	0.207	0.223	0.191	0.186	0.218	0.210	0.208	6.34
37)	4-Chloro-3-m	0.314	0.305	0.296	0.286	0.264		0.268	0.296	0.290	6.37
38)	2-Methylnaph	0.779	0.751	0.732	0.733	0.695	0.721	0.699	0.746	0.732	3.79
39)	1-Methylnaph	0.740	0.719	0.707	0.701	0.704	0.719	0.692	0.708	0.711	2.04
40)	1,2,4,5-Tetr	0.395	0.386	0.375	0.377	0.393	0.408	0.382	0.381	0.387	2.79

Initial Calibration Summary

Job Number: MC24023 **Sample:** MSR1159-ICC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31830.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
41) I   Naphthalene-d8a       ----------------ISTD--------------------
42) Caprolactam  0.164 0.161 0.156 0.148 0.106       0.132 0.159 0.146  14.30
            ---- Linear regression ----  Coefficient =  0.9997
              Response Ratio = -0.00729 + 0.16297 *A


43) I   Acenaphthene-d10      ----------------ISTD--------------------
44) Pentachloron 0.182 0.177 0.176 0.157             0.151 0.176 0.170   7.38
45) Hexachlorocy 0.428 0.417 0.402 0.390 0.358       0.342 0.404 0.392   7.95
46) 2,4,6-Trichl 0.395 0.391 0.389 0.364 0.333       0.346 0.382 0.371   6.54
47) 2,4,5-Trichl 0.412 0.405 0.403 0.406 0.359       0.350 0.403 0.391   6.52
48) 2-Fluorobiph 1.363 1.361 1.330 1.350 1.303 1.299 1.312 1.325 1.331   1.90
49) 2-Chloronaph 1.098 1.089 1.064 1.101 1.008 1.099 1.030 1.053 1.068   3.31
50) Acenaphthyle 1.833 1.804 1.776 1.777 1.637 1.661 1.661 1.751 1.737   4.27
51) Dimethylphth 1.281 1.260 1.248 1.258 1.173 1.138 1.177 1.228 1.221   4.21
52) 2,4-Dinitrot 0.401 0.391 0.380 0.373 0.323       0.331 0.373 0.368   8.02
53) Acenaphthene 1.181 1.152 1.146 1.152 1.131 1.049 1.053 1.128 1.124   4.28
54) 2,4-Dinitrop 0.214 0.211 0.197 0.158                   0.175 0.191  12.56
55) Dibenzofuran 1.662 1.643 1.616 1.620 1.489 1.590 1.525 1.587 1.592   3.67
56) 2,6-Dinitrot 0.304 0.303 0.298 0.281 0.227       0.252 0.285 0.278  10.41
57) 4-Nitropheno 0.260 0.253 0.250 0.235             0.208 0.250 0.243   7.75
58) 2,3,4,6-Tetr 0.367 0.355 0.359 0.321 0.301       0.291 0.346 0.334   8.97
59) Fluorene     1.355 1.321 1.308 1.295 1.238 1.214 1.223 1.286 1.280   3.93
60) 4-Chlorophen 0.644 0.637 0.638 0.645 0.595 0.629 0.592 0.620 0.625   3.37
61) Diethylphtha 1.289 1.262 1.250 1.236 1.126 1.167 1.172 1.225 1.216   4.56
62) 2-nitroanili 0.375 0.364 0.360 0.343 0.284       0.303 0.350 0.340   9.94
63) 3-nitroanili 0.321 0.315 0.314 0.298             0.270 0.299 0.303   6.18
64) 4-nitroanili 0.321 0.316 0.303 0.297             0.264 0.297 0.300   6.80

65)     Acenaphthene-d10a     ----------------ISTD--------------------
66) 1,1'-Bipheny 1.502 1.506 1.463 1.391 1.447       1.429 1.491 1.461   2.90

67) I   Phenanthrene-d10      ----------------ISTD--------------------
68) 4,6-Dinitro- 0.162 0.153 0.152 0.135             0.101 0.147 0.142  15.35
            ---- Linear regression ----  Coefficient =  0.9994
              Response Ratio = -0.01474 + 0.16125 *A

69) n-Nitrosodip 0.556 0.543 0.538 0.532 0.490 0.491 0.493 0.529 0.522   5.03
70) 1,2-Diphenyl 0.712 0.689 0.686 0.672 0.633 0.677 0.674 0.683 0.678   3.27
71) 2,4,6-Tribro 0.133 0.131 0.129 0.119 0.097       0.107 0.123 0.120  11.27
72) 4-Bromopheny 0.228 0.224 0.219 0.214 0.205 0.200 0.216 0.222 0.216   4.42
73) Hexachlorobe 0.253 0.247 0.245 0.259 0.243 0.235 0.226 0.247 0.244   4.17
74) Pentachlorop 0.178 0.176 0.169 0.146             0.123 0.159 0.158  13.38
75) Phenanthrene 1.148 1.090 1.092 1.069 1.038 1.054 1.062 1.092 1.081   3.10
76) Anthracene   1.184 1.153 1.150 1.122 1.075 1.000 1.055 1.131 1.109   5.47
77) Carbazole    1.085 1.065 1.034 0.992 0.937 0.815 0.944 1.033 0.988   8.88
78) Di-n-butylph 1.322 1.278 1.267 1.179 1.011       1.084 1.230 1.196   9.40
79) Fluoranthene 1.244 1.199 1.191 1.150 1.057 1.010 1.097 1.173 1.140   6.95

80) I   Phenanthrene-d10a     ----------------ISTD--------------------
81) Atrazine           0.212 0.212 0.199 0.159       0.177 0.215 0.196  11.74

82) I   Chrysene-d12          ----------------ISTD--------------------
83) Benzidine    0.412 0.391 0.382 0.347             0.280 0.386 0.366  12.86
84) Pyrene       1.236 1.203 1.155 1.160 1.079 1.043 1.106 1.164 1.143   5.59
85) Terphenyl-d1 0.900 0.894 0.863 0.878 0.834 0.820 0.804 0.856 0.856   4.06
86) 3,3-Dimethyl 0.518 0.507 0.497 0.434             0.382 0.486 0.471  11.16
87) Butylbenzylp 0.524 0.511 0.483 0.481 0.382       0.430 0.499 0.473  10.55
88) 3,3'-Dichlor 0.459 0.448 0.429 0.372 0.277       0.329 0.411 0.389  17.23
            ---- Linear regression ----  Coefficient =  0.9972
```

Initial Calibration Summary

Job Number: MC24023 **Sample:** MSR1159-ICC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31830.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
               Response Ratio = -0.02247 + 0.44011 *A

 89) Benzo[a]anth 1.123 1.106 1.067 1.054 0.946 0.918 0.998 1.060 1.034   7.09
 90) Chrysene     1.092 1.079 1.035 1.036 0.993 0.973 0.993 1.025 1.028   4.06
 91) bis(2-Ethylh 0.762 0.739 0.704 0.658 0.485       0.558 0.696 0.657  15.33
             ---- Linear regression ----  Coefficient =  0.9981
               Response Ratio = -0.03404 + 0.73447 *A


 92) I   Perylene-d12          ----------------ISTD---------------------
 93) Di-n-octylph 1.301 1.253 1.170 1.032 0.673       0.798 1.128 1.051  22.33#
             ---- Linear regression ----  Coefficient =  0.9982
               Response Ratio = -0.16023 + 1.31545 *A

 94) Benzo[b]fluo 1.283 1.289 1.153 1.147 0.978 1.027 1.095 1.199 1.146   9.74
 95) Benzo[k]fluo 1.221 1.157 1.185 1.183 1.018 0.943 1.110 1.121 1.117   8.39
 96) Benzo[a]pyre 1.142 1.115 1.088 1.071 0.857 0.803 0.950 1.056 1.010  12.45
 97) Indeno[1,2,3 1.420 1.410 1.340 1.298 1.102 1.019 1.189 1.310 1.261  11.48
 98) Dibenz[a,h]a 1.152 1.133 1.066 1.053 0.918 0.844 0.921 1.058 1.018  10.88
 99) Benzo[g,h,i] 1.145 1.146 1.100 1.085 0.921 0.885 1.006 1.090 1.047   9.49

100)     Naphthalene-d8b       ----------------ISTD---------------------
101) o-Toluic Aci 0.220 0.207 0.203 0.156 0.099       0.125 0.193 0.172  26.87
             ---- Quadratic regression ----  Coefficient =  0.9997
               Response Ratio = -0.01503 + 0.19200 *A + 0.00772 *A^2

102) m-Toluic Aci 0.279 0.270 0.236 0.178 0.119       0.154 0.229 0.209  28.96
             ---- Quadratic regression ----  Coefficient =  0.9992
               Response Ratio = -0.01899 + 0.22129 *A + 0.01614 *A^2

103) p-Toluic Aci 0.319 0.319 0.316 0.310 0.234       0.298 0.336 0.304  10.83
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           R130628_8270+.m        Tue Jul 09 10:08:52 2013
```

Initial Calibration Verification

Job Number: MC24023 **Sample:** MSR1160-ICV1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31849.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\R130701\R31849.D Vial: 100
Acq On : 1 Jul 2013 8:41 am Operator: kristinr
Sample : ICV1159-50 Inst : MSR
Misc : op33699,msr1160,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : W:\1\methods\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Mon Jul 08 17:06:27 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	172	0.00	4.42
2		N-nitrosodimethylamine	0.786	0.773	1.7	168	0.00	2.55
3	T	Pyridine	1.430	1.271	11.1	151	0.00	2.57
4	T	Aniline	1.822	1.646	9.7	152	0.00	4.19
5	S	2-Fluorophenol	1.213	1.268	-4.5	177	0.00	3.47
6	T	bis(2-Chloroethyl)ether	0.865	0.877	-1.4	172	0.00	4.22
7	S	Phenol-d5	1.535	1.569	-2.2	178	0.00	4.14
8	C	Phenol	1.528	1.595	-4.4	178	0.00	4.15
9	M	2-Chlorophenol	1.287	1.371	-6.5	179	0.00	4.28
10	T	1,3-Dichlorobenzene	1.456	1.420	2.5	168	0.00	4.40
11	C	1,4-Dichlorobenzene	1.515	1.478	2.4	165	0.00	4.44
12	T	1,2-Dichlorobenzene	1.357	1.406	-3.6	172	0.00	4.59
13	T	Benzyl alcohol	0.828	0.829	-0.1	165	0.00	4.54
14	T	bis(2-chloroisopropyl)eth	1.477	1.819	-23.2#	207#	0.00	4.66
15	T	o-cresol	1.107	1.157	-4.5	170	0.00	4.63
16	T	Acetophenone	1.828	1.818	0.5	166	0.00	4.76
17	T	Hexachloroethane	0.565	0.565	0.0	169	0.00	4.84
18	P	N-Nitroso-di-n-propylamin	0.859	0.919	-7.0	184	0.00	4.78
19	T	m+p-cresols	1.213	1.283	-5.8	175	0.00	4.75
20		4-methylphenol	1.213	1.283	-5.8	175	0.00	4.75
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	103	0.00	4.42
22		Benzaldehyde	1.023	0.918	10.3	92	0.00	4.09
23	I	Naphthalene-d8	1.000	1.000	0.0	179	0.00	5.48
24	S	Nitrobenzene-d5	0.382	0.367	3.9	173	0.00	4.89
25	T	Nitrobenzene	0.386	0.355	8.0	167	0.00	4.91
26	T	Isophorone	0.643	0.609	5.3	168	0.00	5.10
27	C	2-Nitrophenol	0.184	0.181	1.6	171	0.00	5.17
28	T	2,4-Dimethylphenol	0.341	0.340	0.3	174	0.00	5.19
29	T	bis(2-Chloroethoxy)methan	0.388	0.388	0.0	185	0.00	5.27
		----------	Amount	Calc.	%Drift	----------		
30	T	Benzoic acid	50.000	53.410	-6.8	204	0.01	5.27
		----------	AvgRF	CCRF	%Dev	----------		
31	C	2,4-Dichlorophenol	0.300	0.304	-1.3	174	0.00	5.37
32	M	1,2,4-Trichlorobenzene	0.334	0.336	-0.6	184	0.00	5.44
33	T	Naphthalene	1.044	1.032	1.1	176	0.00	5.50
34	T	2,6-Dichlorophenol	0.297	0.294	1.0	174	0.00	5.57
35	T	4-Chloroaniline	0.433	0.339	21.7#	139	0.00	5.55
36	C	Hexachlorobutadiene	0.208	0.200	3.8	170	0.00	5.65

Initial Calibration Verification

Job Number: MC24023 **Sample:** MSR1160-ICV1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31849.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

37	C	4-Chloro-3-methylphenol	0.290	0.291	-0.3	176	0.00	5.96
38	T	2-Methylnaphthalene	0.732	0.693	5.3	166	0.00	6.09
39	T	1-Methylnaphthalene	0.711	0.685	3.7	173	0.00	6.18
40	T	1,2,4,5-Tetrachlorobenzen	0.387	0.362	6.5	170	0.00	6.27
41	I	Naphthalene-d8a	1.000	1.000	0.0	110	0.00	5.48
		----------	Amount	Calc.	%Drift	----------		
42		Caprolactam	50.000	47.864	4.3	104	-0.02	5.83
		----------	AvgRF	CCRF	%Dev	----------		
43	I	Acenaphthene-d10	1.000	1.000	0.0	187	0.00	7.02
44	T	Pentachloronitrobenzene	0.170	0.160	5.9	170	0.00	8.41
45	P	Hexachlorocyclopentadiene	0.392	0.189	51.8#	87	0.00	6.29
46	C	2,4,6-Trichlorophenol	0.371	0.368	0.8	180	0.00	6.35
47	T	2,4,5-Trichlorophenol	0.391	0.403	-3.1	186	0.00	6.39
48	S	2-Fluorobiphenyl	1.331	1.314	1.3	185	0.00	6.42
49	T	2-Chloronaphthalene	1.068	1.066	0.2	189	0.00	6.51
50	M	Acenaphthylene	1.737	1.712	1.4	182	0.00	6.89
51	T	Dimethylphthalate	1.221	1.175	3.8	178	0.00	6.81
52	T	2,4-Dinitrotoluene	0.368	0.387	-5.2	193	0.00	7.22
53	C	Acenaphthene	1.124	1.102	2.0	182	0.00	7.05
54	P	2,4-Dinitrophenol	0.191	0.191	0.0	204#	0.00	7.08
55	T	Dibenzofuran	1.592	1.492	6.3	175	0.00	7.20
56	M	2,6-Dinitrotoluene	0.278	0.275	1.1	180	0.00	6.87
57	P	4-Nitrophenol	0.243	0.230	5.3	172	0.00	7.13
58	T	2,3,4,6-Tetrachlorophenol	0.334	0.337	-0.9	182	0.00	7.35
59	T	Fluorene	1.280	1.293	-1.0	187	0.00	7.52
60	T	4-Chlorophenyl-phenylethe	0.625	0.623	0.3	187	0.00	7.51
61	T	Diethylphthalate	1.216	1.249	-2.7	190	0.00	7.45
62	T	2-nitroaniline	0.340	0.342	-0.6	183	0.00	6.62
63	T	3-nitroaniline	0.303	0.228	24.8#	142	0.00	7.00
64	T	4-nitroaniline	0.300	0.288	4.0	181	0.00	7.57
65		Acenaphthene-d10a	1.000	1.000	0.0	118	0.00	7.02
66		1,1'-Biphenyl	1.461	1.348	7.7	107	0.00	6.50
67	I	Phenanthrene-d10	1.000	1.000	0.0	192	0.00	8.46
		----------	Amount	Calc.	%Drift	----------		
68	T	4,6-Dinitro-2-methylpheno	50.000	52.042	-4.1	203	0.00	7.61
		----------	AvgRF	CCRF	%Dev	----------		
69	C	n-Nitrosodiphenylamine	0.522	0.502	3.8	182	0.00	7.63
70	T	1,2-Diphenylhydrazine	0.678	0.650	4.1	183	0.00	7.67
71	S	2,4,6-Tribromophenol	0.120	0.122	-1.7	190	0.00	7.78
72	T	4-Bromophenyl-phenylether	0.216	0.204	5.6	177	0.00	7.99
73	T	Hexachlorobenzene	0.244	0.247	-1.2	192	0.00	8.15
74	C	Pentachlorophenol	0.158	0.161	-1.9	194	0.00	8.32
75	T	Phenanthrene	1.081	1.072	0.8	188	0.00	8.48
76	T	Anthracene	1.109	1.070	3.5	182	0.00	8.53
77	T	Carbazole	0.988	1.009	-2.1	187	0.00	8.70
78	T	Di-n-butylphthalate	1.196	1.193	0.3	186	0.00	9.12
79	C	Fluoranthene	1.140	1.222	-7.2	200	0.00	9.78
80	I	Phenanthrene-d10a	1.000	1.000	0.0	116	0.00	8.46
81		Atrazine	0.196	0.209	-6.6	113	0.00	8.18
82	I	Chrysene-d12	1.000	1.000	0.0	195	0.00	11.45

Initial Calibration Verification

Job Number: MC24023 **Sample:** MSR1160-ICV1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31849.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

83	T	Benzidine	0.366	0.442	-20.8#	223#	0.00	9.92
84	M	Pyrene	1.143	1.117	2.3	187	0.00	10.04
85	S	Terphenyl-d14	0.856	0.854	0.2	195	0.00	10.22
86		3,3-Dimethylbenzidine		----------NA----------				
87	T	Butylbenzylphthalate	0.473	0.471	0.4	184	0.00	10.83
		----------	Amount	Calc.	%Drift	----------		
88	T	3,3'-Dichlorobenzidine	50.000	35.699	28.6#	141	0.00	11.42
		----------	AvgRF	CCRF	%Dev	----------		
89	T	Benzo[a]anthracene	1.034	1.100	-6.4	202#	0.00	11.44
90	T	Chrysene	1.028	1.016	1.2	193	0.00	11.48
		----------	Amount	Calc.	%Drift	----------		
91	T	bis(2-Ethylhexyl)phthalat	50.000	49.309	1.4	196	0.00	11.54
		----------	AvgRF	CCRF	%Dev	----------		
92	I	Perylene-d12	1.000	1.000	0.0	192	0.00	13.06
		----------	Amount	Calc.	%Drift	----------		
93	C	Di-n-octylphthalate	50.000	52.011	-4.0	211	0.00	12.23
		----------	AvgRF	CCRF	%Dev	----------		
94	T	Benzo[b]fluoranthene	1.146	1.167	-1.8	187	0.00	12.65
95	T	Benzo[k]fluoranthene	1.117	1.167	-4.5	200	0.00	12.68
96	C	Benzo[a]pyrene	1.010	0.965	4.5	176	0.00	12.99
97	T	Indeno[1,2,3-cd]pyrene	1.261	1.273	-1.0	186	0.00	14.33
98	T	Dibenz[a,h]anthracene	1.018	1.028	-1.0	186	0.00	14.34
99	T	Benzo[g,h,i]perylene	1.047	1.057	-1.0	186	0.00	14.68
100		Naphthalene-d8b	1.000	1.000	0.0	110	0.00	5.48
		----------	Amount	Calc.	%Drift	----------		
101		o-Toluic Acid		----------NA----------				
102		m-Toluic Acid		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
103		p-Toluic Acid		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
R31842.D R130628_8270+.m Mon Jul 08 17:16:37 2013

Continuing Calibration Summary

Job Number: MC24023 **Sample:** MSR1218-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R33451.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\R130910\R33451.D Vial: 100
Acq On : 10 Sep 2013 8:13 am Operator: kristinr
Sample : CC1159-50 Inst : MSR
Misc : OP34233,MSR1218,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\met...\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Fri Jul 12 11:59:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	-0.10	4.00
2		N-nitrosodimethylamine	0.786	0.703	10.6	84	-0.23	2.14
3	T	Pyridine	1.430	1.283	10.3	84	-0.24	2.15
4	T	Aniline	1.822	1.742	4.4	88	-0.11	3.78
5	S	2-Fluorophenol	1.213	1.172	3.4	90	-0.14	3.08
6	T	bis(2-Chloroethyl)ether	0.865	0.784	9.4	85	-0.11	3.81
7	S	Phenol-d5	1.535	1.369	10.8	86	-0.08	3.77
8	C	Phenol	1.528	1.573	-2.9	97	-0.08	3.77
9	M	2-Chlorophenol	1.287	1.243	3.4	89	-0.10	3.87
10	T	1,3-Dichlorobenzene	1.456	1.368	6.0	89	-0.11	3.97
11	C	1,4-Dichlorobenzene	1.515	1.394	8.0	86	-0.10	4.01
12	T	1,2-Dichlorobenzene	1.357	1.303	4.0	88	-0.09	4.17
13	T	Benzyl alcohol	0.828	0.718	13.3	79	-0.08	4.13
14	T	bis(2-chloroisopropyl)eth	1.477	1.353	8.4	85	-0.07	4.25
15	T	o-cresol	1.107	1.156	-4.4	94	-0.05	4.24
16	T	Acetophenone	1.828	1.647	9.9	83	-0.07	4.34
17	T	Hexachloroethane	0.565	0.493	12.7	81	-0.08	4.41
18	P	N-Nitroso-di-n-propylamin	0.859	0.699	18.6	77	-0.07	4.36
19	T	m+p-cresols	1.213	1.173	3.3	88	-0.04	4.36
20		4-methylphenol	1.213	1.171	3.5	88	-0.04	4.36
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	57	-0.10	4.00
22		Benzaldehyde	----------NA----------					
23	I	Naphthalene-d8	1.000	1.000	0.0	94	-0.10	5.05
24	S	Nitrobenzene-d5	0.382	0.322	15.7	80	-0.12	4.47
25	T	Nitrobenzene	0.386	0.302	21.8#	75	-0.13	4.48
26	T	Isophorone	0.643	0.549	14.6	80	-0.12	4.67
27	C	2-Nitrophenol	0.184	0.185	-0.5	92	-0.11	4.75
28	T	2,4-Dimethylphenol	0.341	0.312	8.5	84	-0.09	4.79
29	T	bis(2-Chloroethoxy)methan	0.388	0.353	9.0	89	-0.09	4.86
		----------	Amount	Calc.	%Drift		----------	
30	T	Benzoic acid	50.000	39.588	20.8#	77	-0.05	4.89
		----------	AvgRF	CCRF	%Dev		----------	
31	C	2,4-Dichlorophenol	0.300	0.294	2.0	89	-0.09	4.95
32	M	1,2,4-Trichlorobenzene	0.334	0.318	4.8	92	-0.09	5.02
33	T	Naphthalene	1.044	0.945	9.5	85	-0.10	5.07
34	T	2,6-Dichlorophenol	0.297	0.286	3.7	89	-0.08	5.14
35	T	4-Chloroaniline	0.433	0.403	6.9	87	-0.08	5.14
36	C	Hexachlorobutadiene	0.208	0.181	13.0	81	-0.09	5.22

Continuing Calibration Summary

Job Number: MC24023 **Sample:** MSR1218-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R33451.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

37	C	4-Chloro-3-methylphenol	0.290	0.258	11.0	82	-0.03	5.56
38	T	2-Methylnaphthalene	0.732	0.663	9.4	84	-0.07	5.65
39	T	1-Methylnaphthalene	0.711	0.638	10.3	85	-0.06	5.75
40	T	1,2,4,5-Tetrachlorobenzen	0.387	0.351	9.3	87	-0.06	5.84
41	I	Naphthalene-d8a	1.000	1.000	0.0	58	-0.10	5.05
		----------	Amount	Calc.	%Drift		----------	
42		Caprolactam		----------NA----------				
		----------	AvgRF	CCRF	%Dev		----------	
43	I	Acenaphthene-d10	1.000	1.000	0.0	91	-0.11	6.57
44	T	Pentachloronitrobenzene	0.170	0.146	14.1	75	-0.04	7.91
45	P	Hexachlorocyclopentadiene	0.392	0.285	27.3#	64	-0.12	5.85
46	C	2,4,6-Trichlorophenol	0.371	0.362	2.4	86	-0.11	5.93
47	T	2,4,5-Trichlorophenol	0.391	0.408	-4.3	92	-0.11	5.97
48	S	2-Fluorobiphenyl	1.331	1.256	5.6	86	-0.11	5.99
49	T	2-Chloronaphthalene	1.068	1.036	3.0	89	-0.11	6.08
50	M	Acenaphthylene	1.737	1.612	7.2	83	-0.11	6.44
51	T	Dimethylphthalate	1.221	1.135	7.0	84	-0.10	6.37
52	T	2,4-Dinitrotoluene	0.368	0.356	3.3	86	-0.10	6.78
53	C	Acenaphthene	1.124	1.013	9.9	81	-0.11	6.60
54	P	2,4-Dinitrophenol	0.191	0.164	14.1	85	-0.10	6.65
55	T	Dibenzofuran	1.592	1.520	4.5	87	-0.11	6.74
56	M	2,6-Dinitrotoluene	0.278	0.272	2.2	86	-0.10	6.43
57	P	4-Nitrophenol	0.243	0.187	23.0#	68	-0.08	6.74
58	T	2,3,4,6-Tetrachlorophenol	0.334	0.330	1.2	86	-0.10	6.90
59	T	Fluorene	1.280	1.185	7.4	83	-0.11	7.05
60	T	4-Chlorophenyl-phenylethe	0.625	0.588	5.9	86	-0.11	7.05
61	T	Diethylphthalate	1.216	1.103	9.3	81	-0.10	7.00
62	T	2-nitroaniline	0.340	0.357	-5.0	92	-0.11	6.20
63	T	3-nitroaniline	0.303	0.301	0.7	91	-0.10	6.56
64	T	4-nitroaniline	0.300	0.304	-1.3	93	-0.10	7.11
65		Acenaphthene-d10a	1.000	1.000	0.0	57	-0.11	6.57
66		1,1'-Biphenyl		----------NA----------				
67	I	Phenanthrene-d10	1.000	1.000	0.0	92	-0.12	7.95
		----------	Amount	Calc.	%Drift		----------	
68	T	4,6-Dinitro-2-methylpheno	50.000	46.278	7.4	86	-0.11	7.15
		----------	AvgRF	CCRF	%Dev		----------	
69	C	n-Nitrosodiphenylamine	0.522	0.487	6.7	84	-0.12	7.17
70	T	1,2-Diphenylhydrazine	0.678	0.561	17.3	75	-0.12	7.20
71	S	2,4,6-Tribromophenol	0.120	0.112	6.7	83	-0.12	7.30
72	T	4-Bromophenyl-phenylether	0.216	0.200	7.4	83	-0.12	7.51
73	T	Hexachlorobenzene	0.244	0.220	9.8	82	-0.12	7.65
74	C	Pentachlorophenol	0.158	0.142	10.1	82	-0.11	7.84
75	T	Phenanthrene	1.081	1.012	6.4	85	-0.13	7.97
76	T	Anthracene	1.109	1.045	5.8	85	-0.12	8.02
77	T	Carbazole	0.988	0.966	2.2	86	-0.11	8.19
78	T	Di-n-butylphthalate	1.196	1.169	2.3	87	-0.09	8.61
79	C	Fluoranthene	1.140	1.108	2.8	87	-0.10	9.24
80	I	Phenanthrene-d10a	1.000	1.000	0.0	55	-0.12	7.95
81		Atrazine		----------NA----------				
82	I	Chrysene-d12	1.000	1.000	0.0	89	-0.14	10.89

Continuing Calibration Summary

Job Number: MC24023 **Sample:** MSR1218-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R33451.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

83	T	Benzidine	0.366	0.387	-5.7	89	-0.16	9.40
84	M	Pyrene	1.143	1.075	5.9	82	-0.18	9.48
85	S	Terphenyl-d14	0.856	0.821	4.1	85	-0.16	9.68
86		3,3-Dimethylbenzidine	0.471	0.577	-22.5#	106	-0.14	10.25
87	T	Butylbenzylphthalate	0.473	0.462	2.3	82	-0.13	10.30
		----------	Amount	Calc.	%Drift	----------		
88	T	3,3'-Dichlorobenzidine	50.000	47.933	4.1	88	-0.12	10.87
		----------	AvgRF	CCRF	%Dev	----------		
89	T	Benzo[a]anthracene	1.034	0.974	5.8	82	-0.13	10.87
90	T	Chrysene	1.028	0.988	3.9	86	-0.14	10.92
		----------	Amount	Calc.	%Drift	----------		
91	T	bis(2-Ethylhexyl)phthalat	50.000	46.295	7.4	84	-0.10	11.01
		----------	AvgRF	CCRF	%Dev	----------		
92	I	Perylene-d12	1.000	1.000	0.0	88	-0.14	12.47
		----------	Amount	Calc.	%Drift	----------		
93	C	Di-n-octylphthalate	50.000	51.685	-3.4	96	-0.12	11.70
		----------	AvgRF	CCRF	%Dev	----------		
94	T	Benzo[b]fluoranthene	1.146	1.138	0.7	84	-0.14	12.08
95	T	Benzo[k]fluoranthene	1.117	0.967	13.4	76	-0.14	12.11
96	C	Benzo[a]pyrene	1.010	0.991	1.9	83	-0.14	12.41
97	T	Indeno[1,2,3-cd]pyrene	1.261	1.200	4.8	81	-0.28	13.56
98	T	Dibenz[a,h]anthracene	1.018	1.002	1.6	84	-0.28	13.57
99	T	Benzo[g,h,i]perylene	1.047	1.040	0.7	84	-0.34	13.85
100		Naphthalene-d8b	1.000	1.000	0.0	58	-0.10	5.05
		----------	Amount	Calc.	%Drift	----------		
101		o-Toluic Acid		----------NA----------				
102		m-Toluic Acid		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
103		p-Toluic Acid		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
R31842.D R130628_8270+.m Thu Sep 12 07:50:48 2013

8.7.3

8

Continuing Calibration Summary

Job Number: MC24023 **Sample:** MSR1218-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R33452.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\R130910\R33452.D Vial: 100
Acq On : 10 Sep 2013 8:35 am Operator: kristinr
Sample : CC1159-50, tcl42 Inst : MSR
Misc : OP34233,MSR1218,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\met...\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Fri Jul 12 11:59:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	-0.10	4.00
2		N-nitrosodimethylamine		----------NA----------				
3	T	Pyridine		----------NA----------				
4	T	Aniline		----------NA----------				
5	S	2-Fluorophenol		----------NA----------				
6	T	bis(2-Chloroethyl)ether		----------NA----------				
7	S	Phenol-d5		----------NA----------				
8	C	Phenol		----------NA----------				
9	M	2-Chlorophenol		----------NA----------				
10	T	1,3-Dichlorobenzene		----------NA----------				
11	C	1,4-Dichlorobenzene		----------NA----------				
12	T	1,2-Dichlorobenzene		----------NA----------				
13	T	Benzyl alcohol		----------NA----------				
14	T	bis(2-chloroisopropyl)eth		----------NA----------				
15	T	o-cresol		----------NA----------				
16	T	Acetophenone		----------NA----------				
17	T	Hexachloroethane		----------NA----------				
18	P	N-Nitroso-di-n-propylamin		----------NA----------				
19	T	m+p-cresols		----------NA----------				
20		4-methylphenol		----------NA----------				
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	65	-0.10	4.00
22		Benzaldehyde	0.987	1.060	-7.4	67	-0.12	3.67
23	I	Naphthalene-d8	1.000	1.000	0.0	107	-0.10	5.05
24	S	Nitrobenzene-d5		----------NA----------				
25	T	Nitrobenzene		----------NA----------				
26	T	Isophorone		----------NA----------				
27	C	2-Nitrophenol		----------NA----------				
28	T	2,4-Dimethylphenol		----------NA----------				
29	T	bis(2-Chloroethoxy)methan		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
30	T	Benzoic acid		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
31	C	2,4-Dichlorophenol		----------NA----------				
32	M	1,2,4-Trichlorobenzene		----------NA----------				
33	T	Naphthalene		----------NA----------				
34	T	2,6-Dichlorophenol		----------NA----------				
35	T	4-Chloroaniline		----------NA----------				
36	C	Hexachlorobutadiene		----------NA----------				

Continuing Calibration Summary

Job Number: MC24023 **Sample:** MSR1218-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R33452.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

37	C	4-Chloro-3-methylphenol		----------NA----------					
38	T	2-Methylnaphthalene		----------NA----------					
39	T	1-Methylnaphthalene		----------NA----------					
40	T	1,2,4,5-Tetrachlorobenzen		----------NA----------					
41	I	Naphthalene-d8a	1.000	1.000	0.0	66	-0.10	5.05	
		----------	Amount	Calc.	%Drift	----------			
42		Caprolactam	50.000	49.355	1.3	65	-0.09	5.41	
		----------	AvgRF	CCRF	%Dev	----------			
43	I	Acenaphthene-d10	1.000	1.000	0.0	105	-0.11	6.57	
44	T	Pentachloronitrobenzene		----------NA----------					
45	P	Hexachlorocyclopentadiene		----------NA----------					
46	C	2,4,6-Trichlorophenol		----------NA----------					
47	T	2,4,5-Trichlorophenol		----------NA----------					
48	S	2-Fluorobiphenyl		----------NA----------					
49	T	2-Chloronaphthalene		----------NA----------					
50	M	Acenaphthylene		----------NA----------					
51	T	Dimethylphthalate		----------NA----------					
52	T	2,4-Dinitrotoluene		----------NA----------					
53	C	Acenaphthene		----------NA----------					
54	P	2,4-Dinitrophenol		----------NA----------					
55	T	Dibenzofuran		----------NA----------					
56	M	2,6-Dinitrotoluene		----------NA----------					
57	P	4-Nitrophenol		----------NA----------					
58	T	2,3,4,6-Tetrachlorophenol		----------NA----------					
59	T	Fluorene		----------NA----------					
60	T	4-Chlorophenyl-phenylethe		----------NA----------					
61	T	Diethylphthalate		----------NA----------					
62	T	2-nitroaniline		----------NA----------					
63	T	3-nitroaniline		----------NA----------					
64	T	4-nitroaniline		----------NA----------					
65		Acenaphthene-d10a	1.000	1.000	0.0	66	-0.11	6.57	
66		1,1'-Biphenyl	1.461	1.565	-7.1	70	-0.12	6.07	
67	I	Phenanthrene-d10	1.000	1.000	0.0	106	-0.12	7.95	
		----------	Amount	Calc.	%Drift	----------			
68	T	4,6-Dinitro-2-methylpheno		----------NA----------					
		----------	AvgRF	CCRF	%Dev	----------			
69	C	n-Nitrosodiphenylamine		----------NA----------					
70	T	1,2-Diphenylhydrazine		----------NA----------					
71	S	2,4,6-Tribromophenol		----------NA----------					
72	T	4-Bromophenyl-phenylether		----------NA----------					
73	T	Hexachlorobenzene		----------NA----------					
74	C	Pentachlorophenol		----------NA----------					
75	T	Phenanthrene		----------NA----------					
76	T	Anthracene		----------NA----------					
77	T	Carbazole		----------NA----------					
78	T	Di-n-butylphthalate		----------NA----------					
79	C	Fluoranthene		----------NA----------					
80	I	Phenanthrene-d10a	1.000	1.000	0.0	64	-0.12	7.95	
81		Atrazine	0.196	0.210	-7.1	63	-0.10	7.71	
82	I	Chrysene-d12	1.000	1.000	0.0	104	-0.14	10.89	

Continuing Calibration Summary

Job Number: MC24023 **Sample:** MSR1218-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R33452.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

83	T	Benzidine			NA			
84	M	Pyrene			NA			
85	S	Terphenyl-d14			NA			
86		3,3-Dimethylbenzidine			NA			
87	T	Butylbenzylphthalate			NA			
			Amount	Calc.	%Drift			
88	T	3,3'-Dichlorobenzidine			NA			
			AvgRF	CCRF	%Dev			
89	T	Benzo[a]anthracene			NA			
90	T	Chrysene			NA			
			Amount	Calc.	%Drift			
91	T	bis(2-Ethylhexyl)phthalat			NA			
			AvgRF	CCRF	%Dev			
92	I	Perylene-d12	1.000	1.000	0.0	104	-0.14	12.47
			Amount	Calc.	%Drift			
93	C	Di-n-octylphthalate			NA			
			AvgRF	CCRF	%Dev			
94	T	Benzo[b]fluoranthene			NA			
95	T	Benzo[k]fluoranthene			NA			
96	C	Benzo[a]pyrene			NA			
97	T	Indeno[1,2,3-cd]pyrene			NA			
98	T	Dibenz[a,h]anthracene			NA			
99	T	Benzo[g,h,i]perylene			NA			
100		Naphthalene-d8b	1.000	1.000	0.0	66	-0.10	5.05
			Amount	Calc.	%Drift			
101		o-Toluic Acid			NA			
102		m-Toluic Acid			NA			
			AvgRF	CCRF	%Dev			
103		p-Toluic Acid			NA			

(#) = Out of Range SPCC's out = 4 CCC's out = 13
R31842.D R130628_8270+.m Thu Sep 12 07:50:50 2013

8.7.4

8

New England ACCUTEST LABORATORIES

GC/MS Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 09/12/13 10:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33458.D
Acq On : 10 Sep 2013 10:51 am
Operator : kristinr
Sample : mc24023-2
Misc : OP34724,MSR1218,20.50,,,1,5
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 09:42:52 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.001	152	68230	40.00	ppm	-0.10
21) 1,4-Dichlorobenzene-d4A	4.001	152	68230	40.00	PPM	-0.10
23) Naphthalene-d8	5.048	136	245238	40.00	ppm	-0.10
41) Naphthalene-d8a	5.048	136	245238	40.00	ppm	-0.10
43) Acenaphthene-d10	6.572	164	152231	40.00	ppm	-0.11
65) Acenaphthene-d10a	6.572	164	152231	40.00	ppm	-0.11
67) Phenanthrene-d10	7.948	188	259807	40.00	ppm	-0.12
80) Phenanthrene-d10a	7.948	188	259807	40.00	ppm	-0.12
82) Chrysene-d12	10.889	240	282198m	40.00	ppm	-0.14
92) Perylene-d12	12.471	264	271715	40.00	ppm	-0.14
100) Naphthalene-d8b	5.048	136	245238	40.00	ug/mL	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	3.084	112	13819	6.68	ppm	-0.13
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.68%#			
7) Phenol-d5	3.772	99	17488	6.68	ppm	-0.07
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.68%#			
24) Nitrobenzene-d5	4.472	82	14090	6.01	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 12.02%#			
48) 2-Fluorobiphenyl	5.990	172	38030	7.51	ppm	-0.11
Spiked Amount 50.000	Range 30 - 130		Recovery = 15.02%#			
71) 2,4,6-Tribromophenol	7.295	330	5414	6.95	ppm	-0.12
Spiked Amount 100.000	Range 30 - 130		Recovery = 6.95%#			
85) Terphenyl-d14	9.683	244	49372	8.17	ppm	-0.16
Spiked Amount 50.000	Range 30 - 130		Recovery = 16.34%#			
Target Compounds						Qvalue
33) Naphthalene	5.066	128	14160	2.21	ppm	92
38) 2-Methylnaphthalene	5.654	142	6452	1.44	ppm	87
39) 1-Methylnaphthalene	5.748	142	4908m	1.13	ppm	
50) Acenaphthylene	6.442	152	11545	1.75	ppm	97
53) Acenaphthene	6.601	153	12948	3.03	ppm	92
55) Dibenzofuran	6.742	168	19653	3.24	ppm	96
59) Fluorene	7.048	166	18969	3.89	ppm	99
66) 1,1'-Biphenyl	6.066	154	2272	0.41	ppm	100
75) Phenanthrene	7.972	178	188138	26.81	ppm	98
76) Anthracene	8.013	178	65990	9.16	ppm	99
77) Carbazole	8.189	167	26436	4.12	ppm	97
79) Fluoranthene	9.242	202	331193	44.72	ppm	100
84) Pyrene	9.489	202	273138m	33.87	ppm	
89) Benzo[a]anthracene	10.872	228	161062m	22.08	ppm	
90) Chrysene	10.919	228	153487m	21.16	ppm	
94) Benzo[b]fluoranthene	12.083	252	131352m	16.87	ppm	
95) Benzo[k]fluoranthene	12.101	252	123583m	16.29	ppm	
96) Benzo[a]pyrene	12.413	252	133572	19.46	ppm	97
97) Indeno[1,2,3-cd]pyrene	13.560	276	90446m	10.56	ppm	
98) Dibenz[a,h]anthracene	13.566	278	26290m	3.80	ppm	
99) Benzo[g,h,i]perylene	13.848	276	77593m	10.91	ppm	

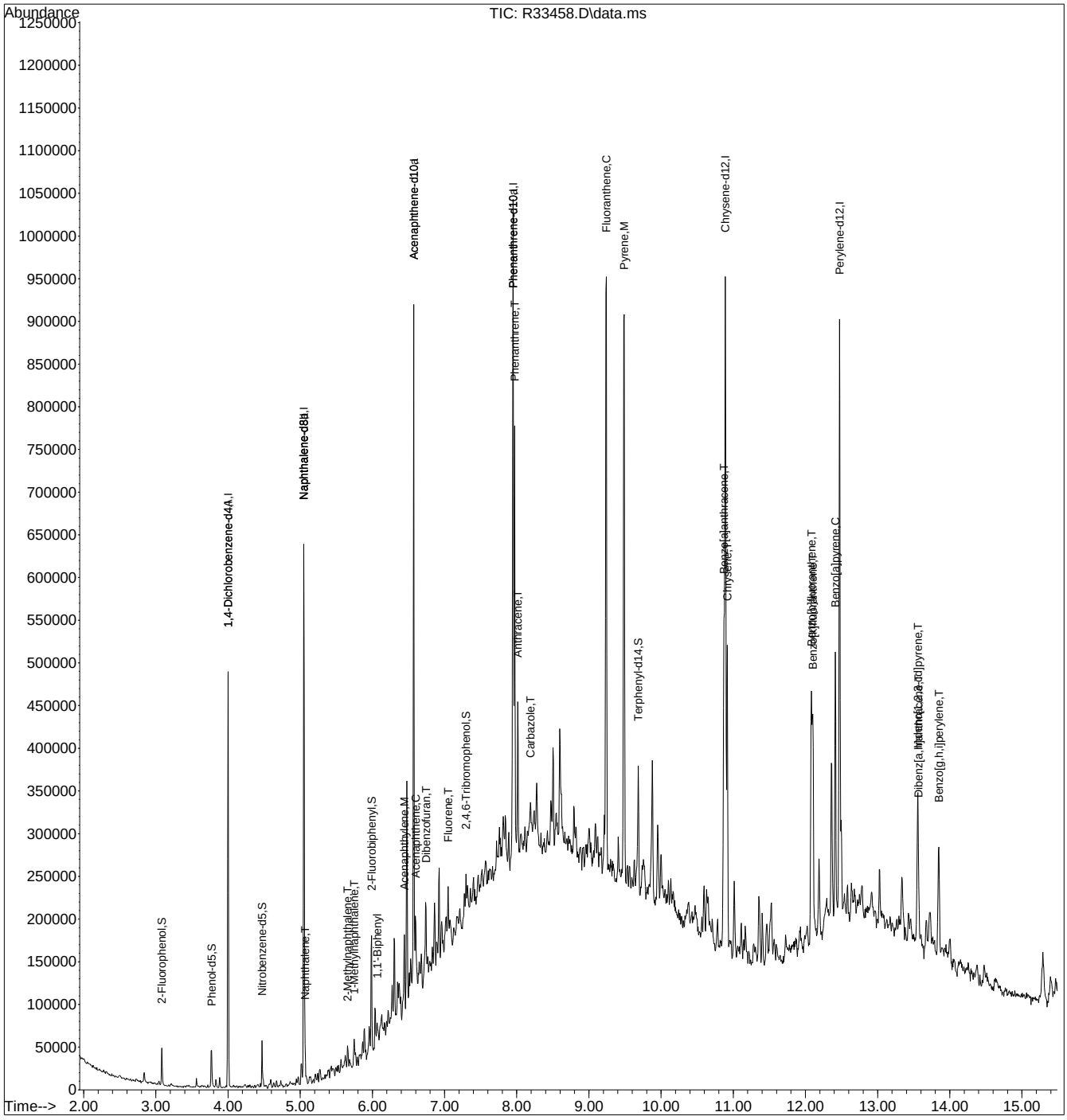
(#) = qualifier out of range (m) = manual integration (+) = signals summed

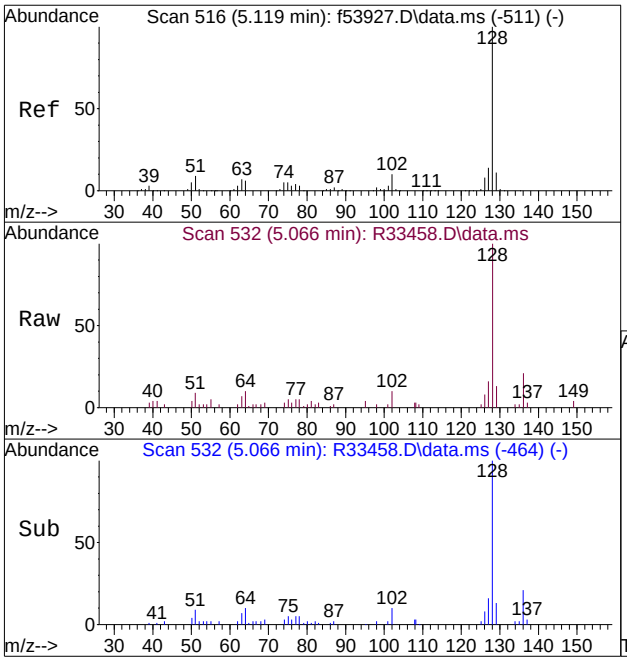
9.1.1
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33458.D
Acq On : 10 Sep 2013 10:51 am
Operator : kristinr
Sample : mc24023-2
Misc : OP34724,MSR1218,20.50,,,1,5
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 09:42:52 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

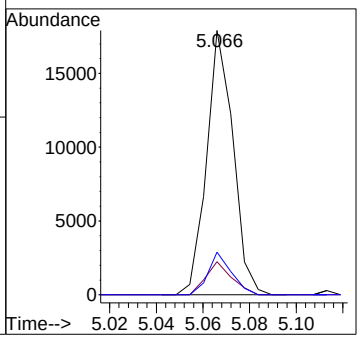


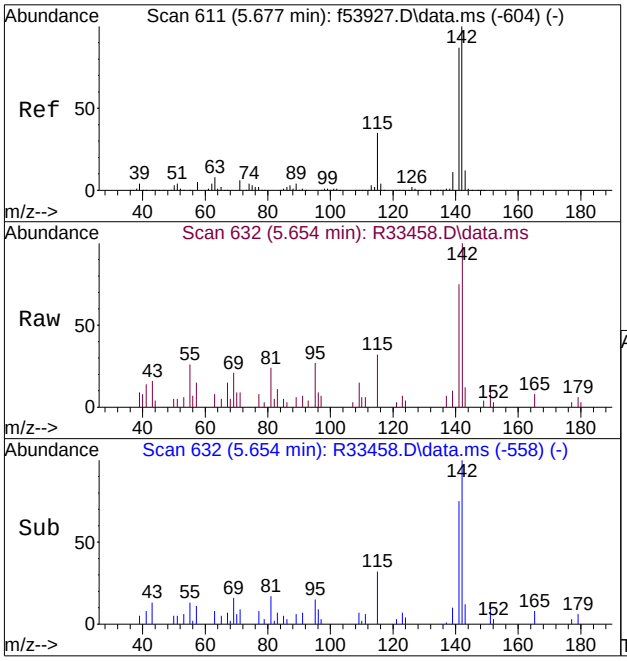


#33
Naphthalene
Concen: 2.21 ppm
RT: 5.066 min Scan# 532
Delta R.T. -0.102 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:128 Resp: 14160

Ion	Ratio	Lower	Upper
128	100		
129	12.5	0.0	40.1
127	16.2	0.0	42.3

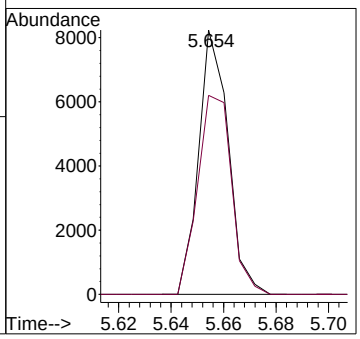


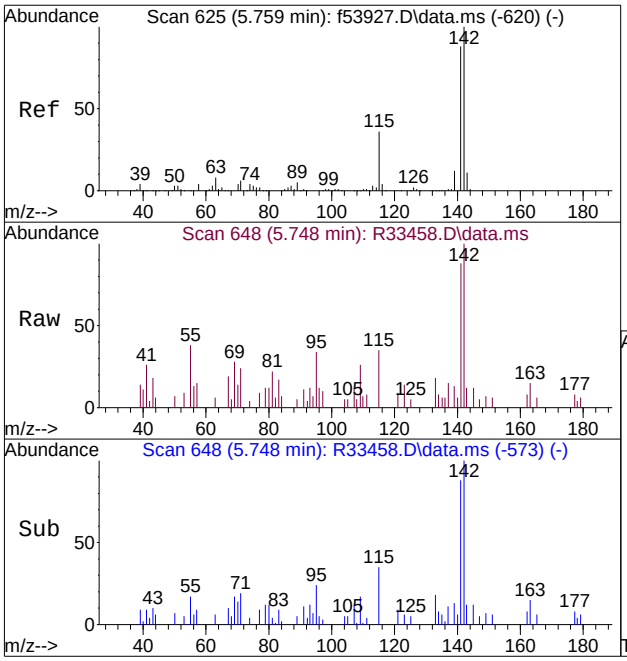


#38
2-Methylnaphthalene
Concen: 1.44 ppm
RT: 5.654 min Scan# 632
Delta R.T. -0.068 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:142 Resp: 6452

Ion	Ratio	Lower	Upper
142	100		
141	75.2	57.2	117.2

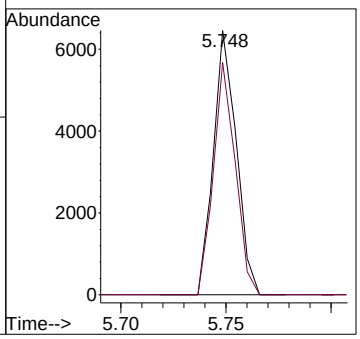


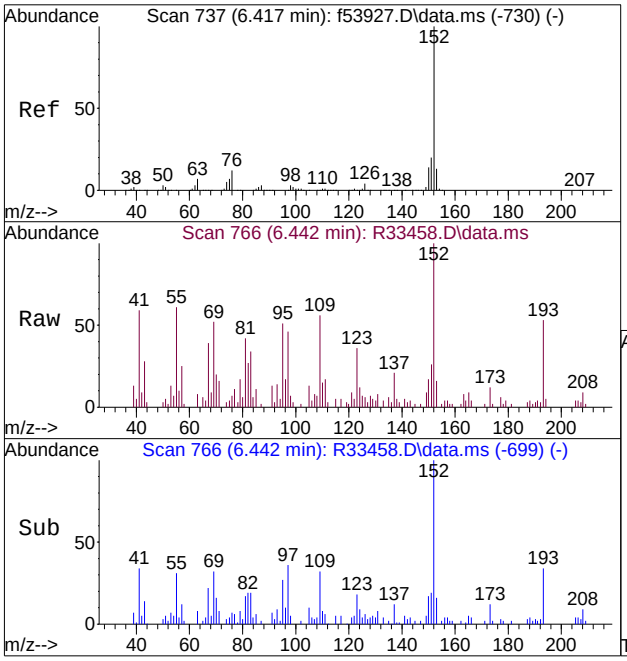


#39
1-Methylnaphthalene
Concen: 1.13 ppm m
RT: 5.748 min Scan# 648
Delta R.T. -0.062 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:142 Resp: 4908

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.0	110.0

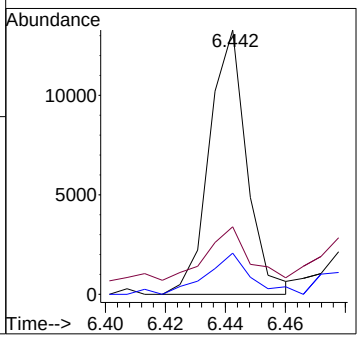


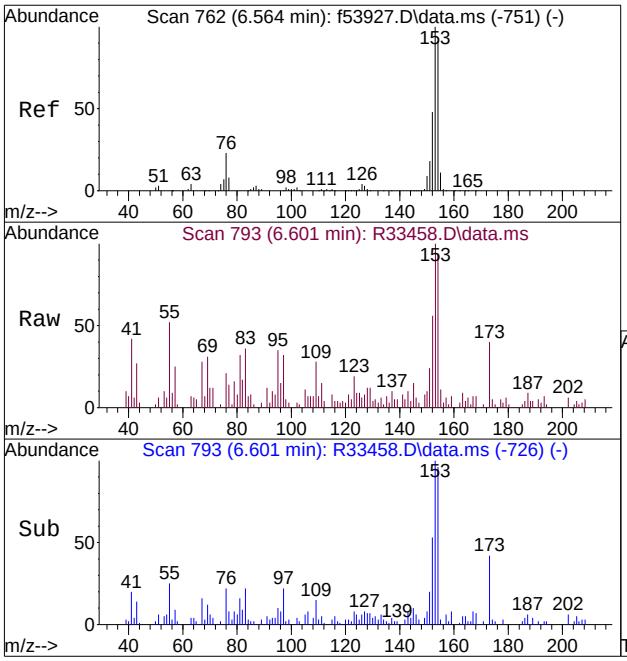


#50
Acenaphthylene
Concen: 1.75 ppm
RT: 6.442 min Scan# 766
Delta R.T. -0.108 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:152 Resp: 11545

Ion	Ratio	Lower	Upper
152	100		
151	20.3	0.0	49.7
153	15.6	0.0	42.9

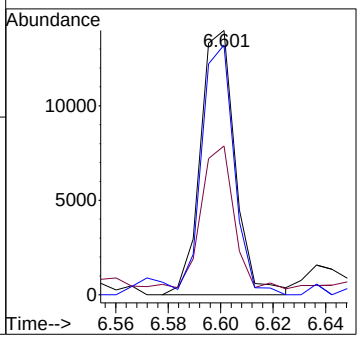


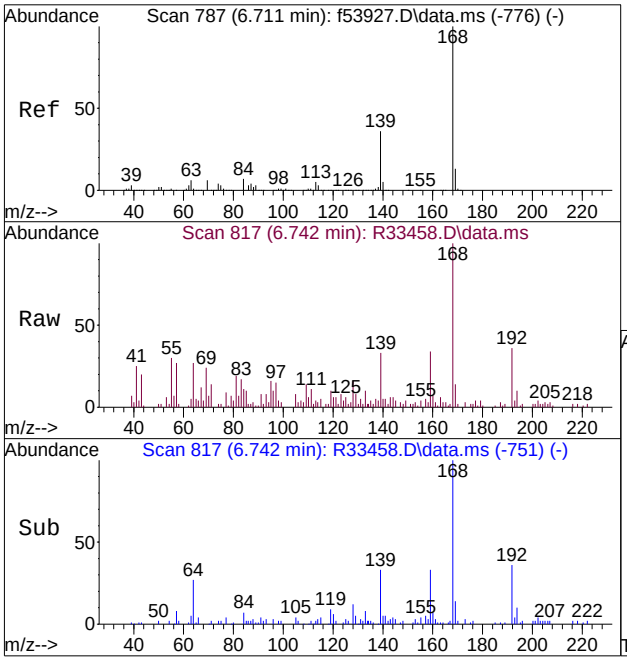


#53
Acenaphthene
Concen: 3.03 ppm
RT: 6.601 min Scan# 793
Delta R.T. -0.109 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:153 Resp: 12948

Ion	Ratio	Lower	Upper
153	100		
152	54.0	16.2	76.2
154	94.4	58.7	118.7

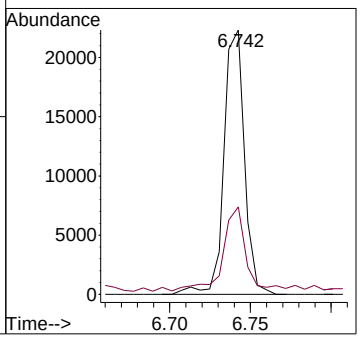


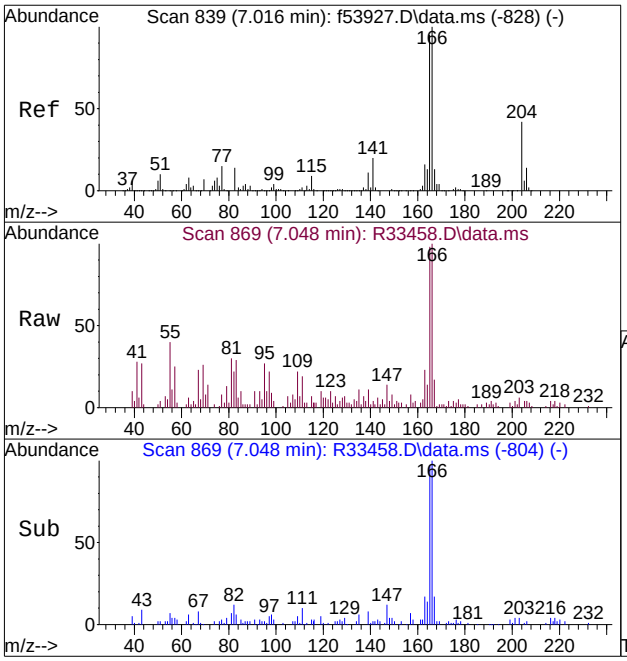


#55
Dibenzofuran
Concen: 3.24 ppm
RT: 6.742 min Scan# 817
Delta R.T. -0.110 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:168 Resp: 19653

Ion	Ratio	Lower	Upper
168	100		
139	30.9	3.2	63.2

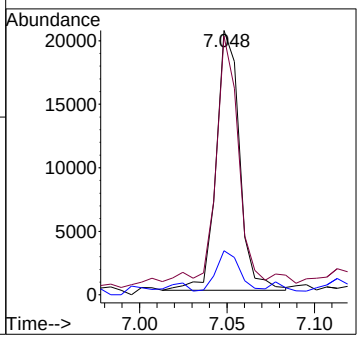


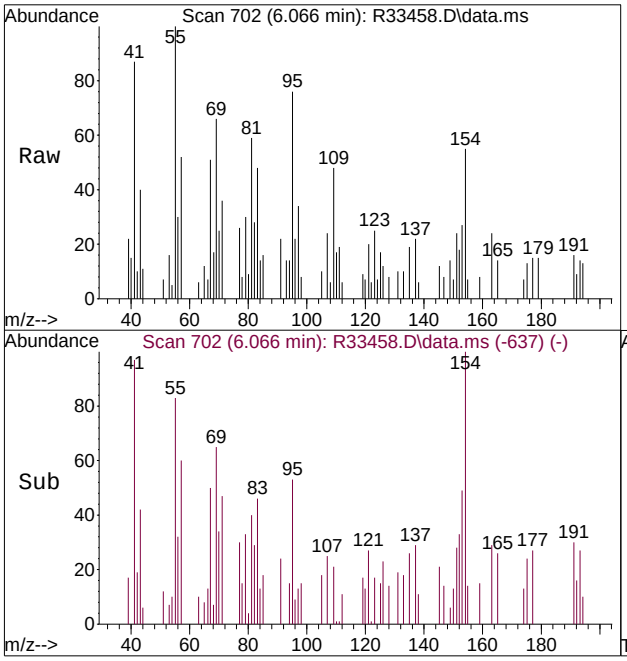


#59
Fluorene
Concen: 3.89 ppm
RT: 7.048 min Scan# 869
Delta R.T. -0.117 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:166 Resp: 18969

Ion	Ratio	Lower	Upper
166	100		
165	94.5	65.6	125.6
167	14.7	0.0	43.4

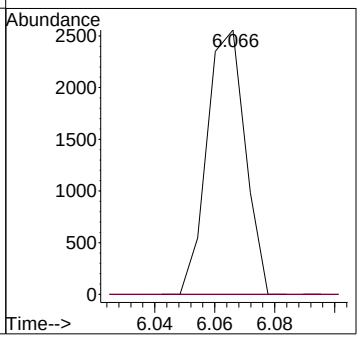


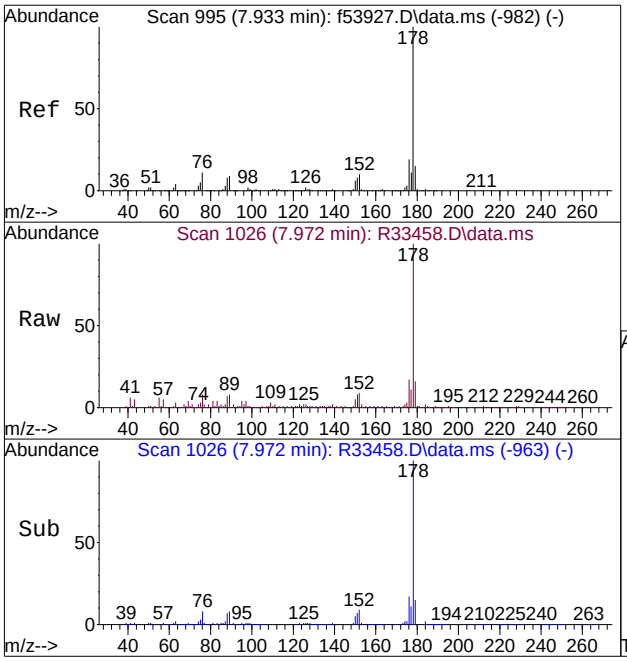


#66
1,1'-Biphenyl
Concen: 0.41 ppm
RT: 6.066 min Scan# 702
Delta R.T. -0.117 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:154 Resp: 2272

Ion	Ratio	Lower	Upper
154	100		
76	0.0	0.0	0.0

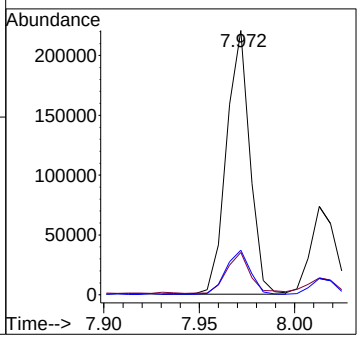


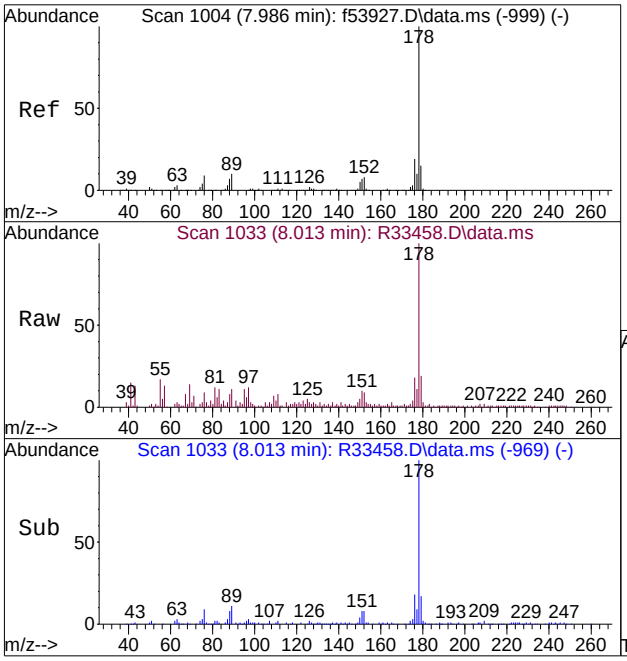


#75
Phenanthrene
Concen: 26.81 ppm
RT: 7.972 min Scan# 1026
Delta R.T. -0.127 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:178 Resp: 188138

Ion	Ratio	Lower	Upper
178	100		
179	15.1	0.0	45.2
176	16.7	0.0	48.6

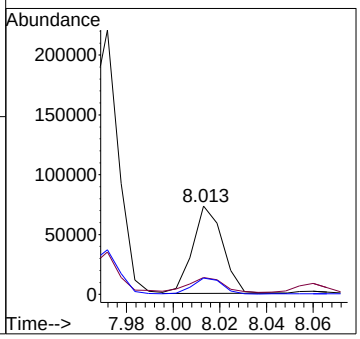


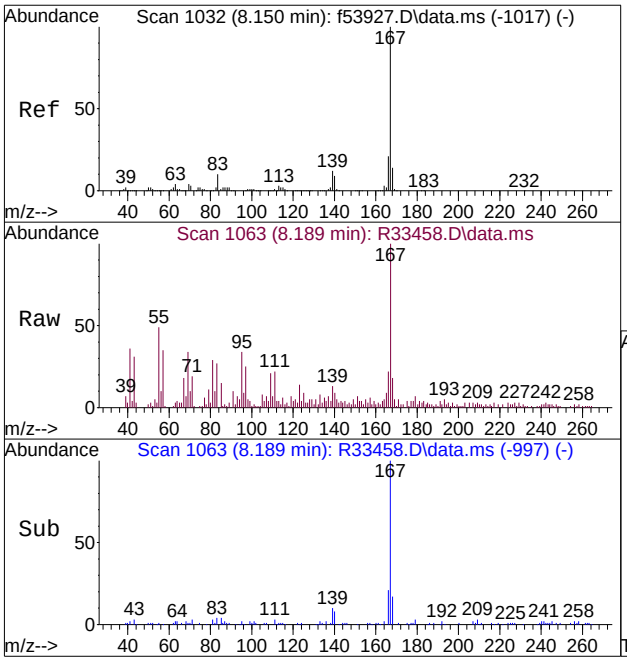


#76
Anthracene
Concen: 9.16 ppm
RT: 8.013 min Scan# 1033
Delta R.T. -0.125 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:178 Resp: 65990

Ion	Ratio	Lower	Upper
178	100		
179	15.7	0.0	45.9
176	18.1	0.0	48.6

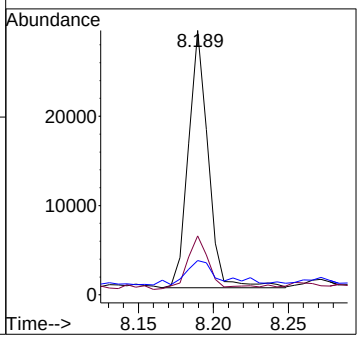


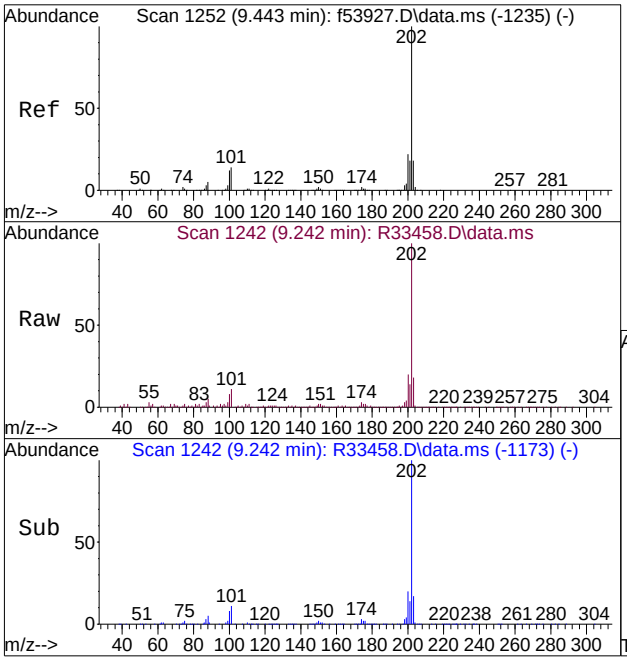


#77
Carbazole
Concen: 4.12 ppm
RT: 8.189 min Scan# 1063
Delta R.T. -0.110 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:167 Resp: 26436

Ion	Ratio	Lower	Upper
167	100		
166	20.5	0.0	50.4
139	8.9	0.0	41.6

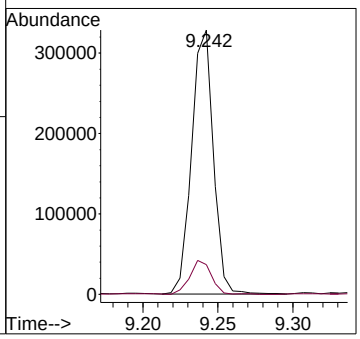


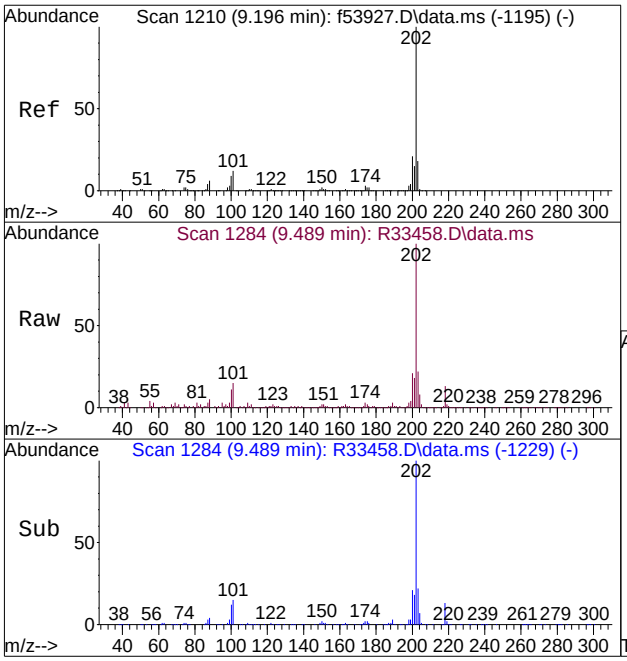


#79
Fluoranthene
Concen: 44.72 ppm
RT: 9.242 min Scan# 1242
Delta R.T. -0.096 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:202 Resp: 331193

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	41.0

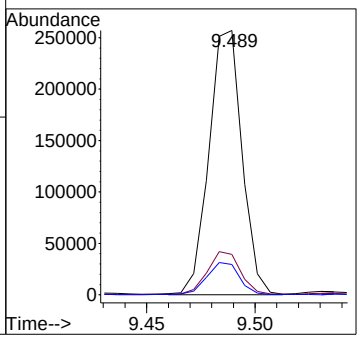


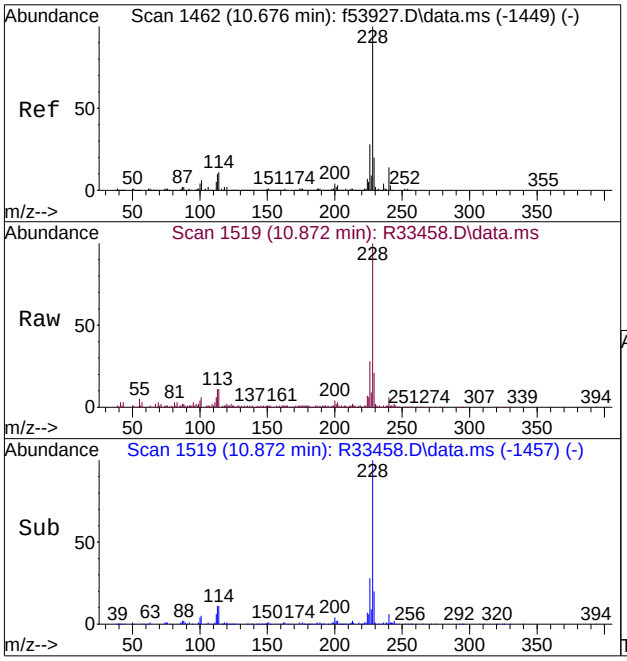


#84
Pyrene
Concen: 33.87 ppm m
RT: 9.489 min Scan# 1284
Delta R.T. -0.174 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:202 Resp: 273138

Ion	Ratio	Lower	Upper
202	100		
101	15.3	0.0	43.1
100	11.5	0.0	40.6

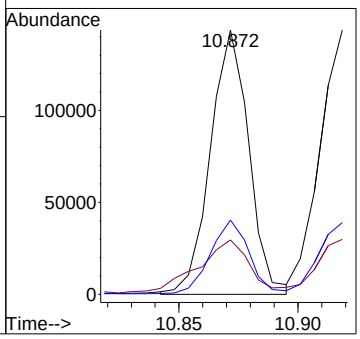


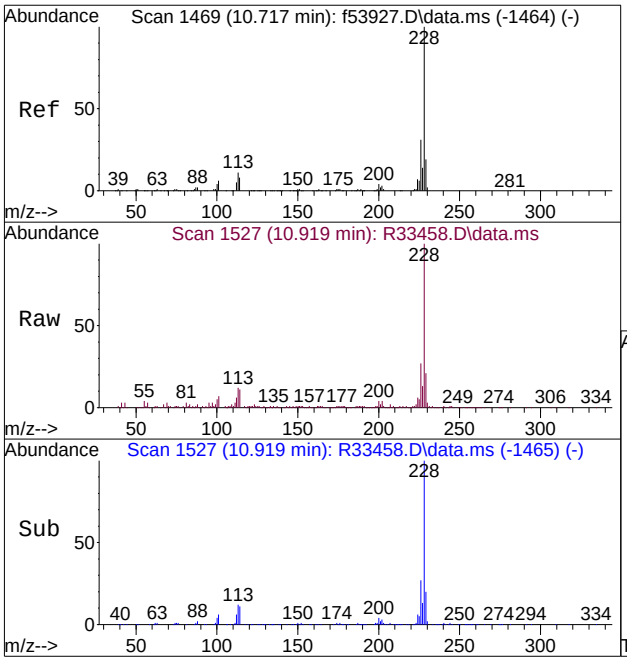


#89
Benzo[a]anthracene
Concen: 22.08 ppm m
RT: 10.872 min Scan# 1519
Delta R.T. -0.134 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:228 Resp: 161062

Ion	Ratio	Lower	Upper
228	100		
229	20.6	0.0	49.1
226	28.1	0.0	56.0

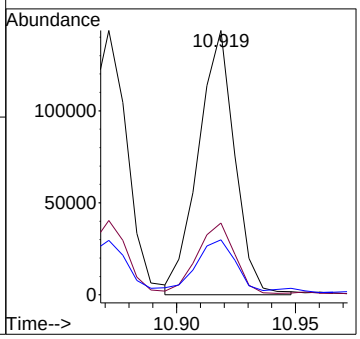


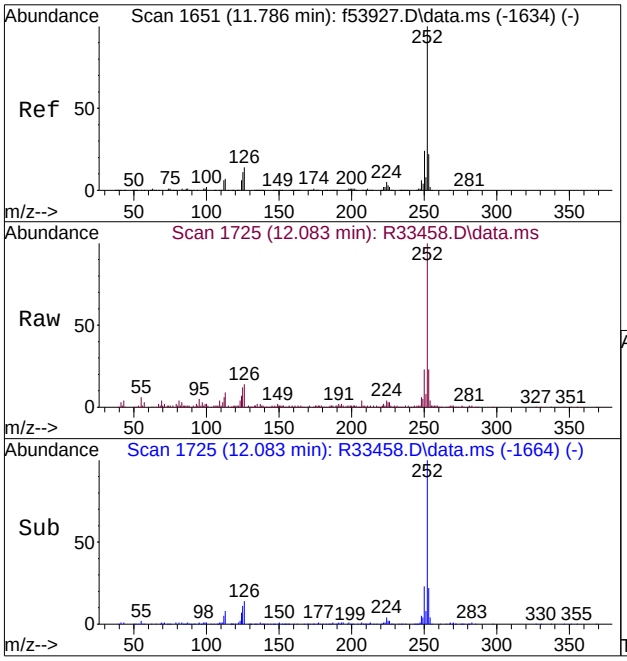


#90
Chrysene
Concen: 21.16 ppm m
RT: 10.919 min Scan# 1527
Delta R.T. -0.138 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:228 Resp: 153487

Ion	Ratio	Lower	Upper
228	100		
226	27.1	0.0	59.0
229	20.8	0.0	48.7

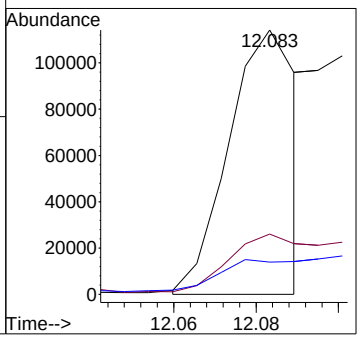


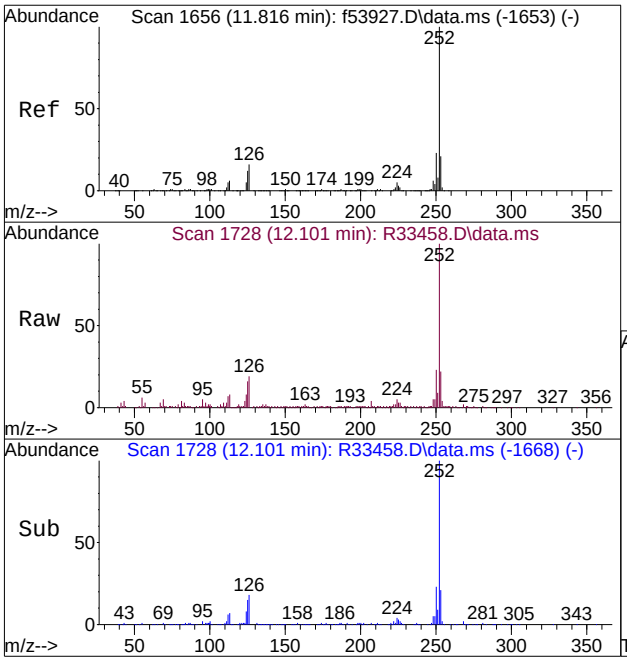


#94
Benzo[b]fluoranthene
Concen: 16.87 ppm m
RT: 12.083 min Scan# 1725
Delta R.T. -0.141 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:252 Resp: 131352

Ion	Ratio	Lower	Upper
252	100		
253	22.8	0.0	50.9
125	12.2	0.0	41.8

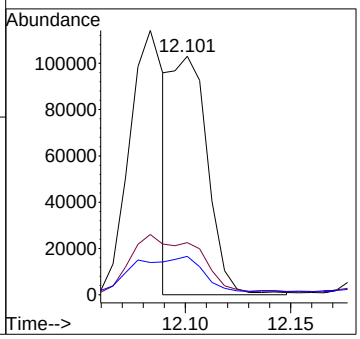


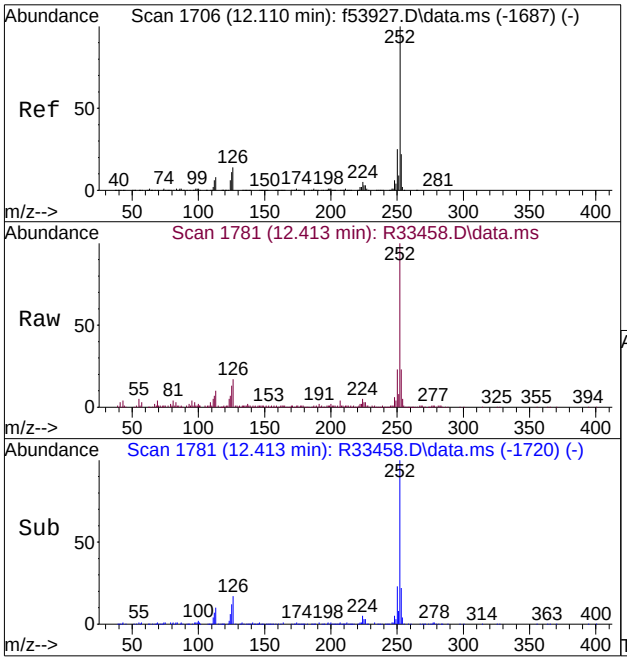


#95
Benzo[k]fluoranthene
Concen: 16.29 ppm m
RT: 12.101 min Scan# 1728
Delta R.T. -0.145 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:252 Resp: 123583

Ion	Ratio	Lower	Upper
252	100		
253	21.9	0.0	51.4
125	16.1	0.0	42.0

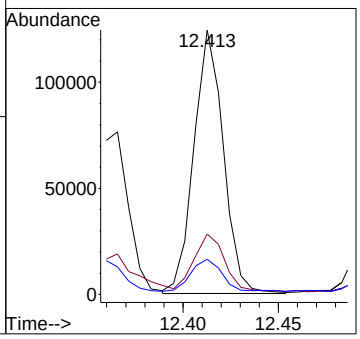


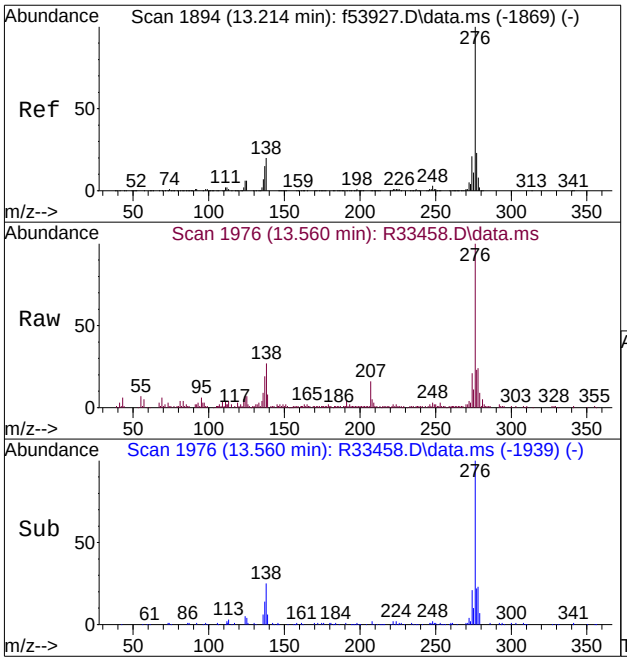


#96
Benzo[a]pyrene
Concen: 19.46 ppm
RT: 12.413 min Scan# 1781
Delta R.T. -0.141 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:252 Resp: 133572

Ion	Ratio	Lower	Upper
252	100		
253	22.0	0.0	50.5
125	12.2	0.0	43.2

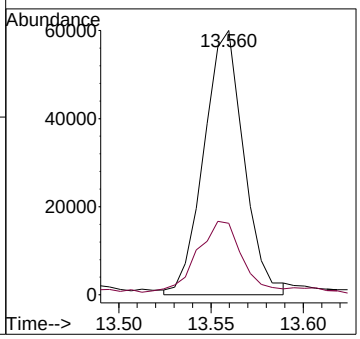


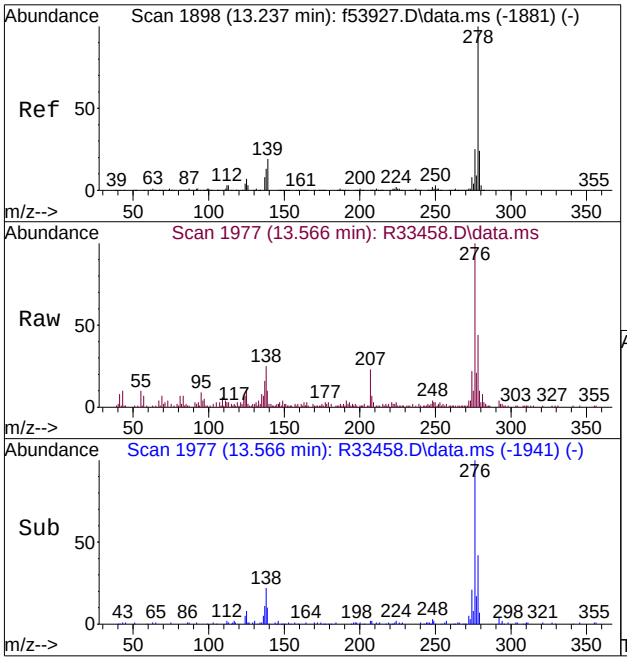


#97
Indeno[1,2,3-cd]pyrene
Concen: 10.56 ppm m
RT: 13.560 min Scan# 1976
Delta R.T. -0.284 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:276 Resp: 90446

Ion	Ratio	Lower	Upper
276	100		
138	27.0	0.6	60.6

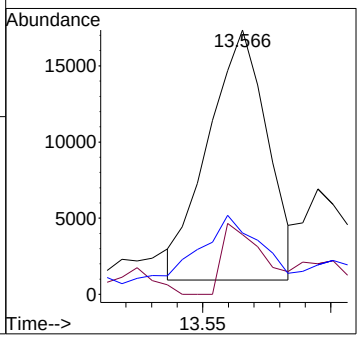


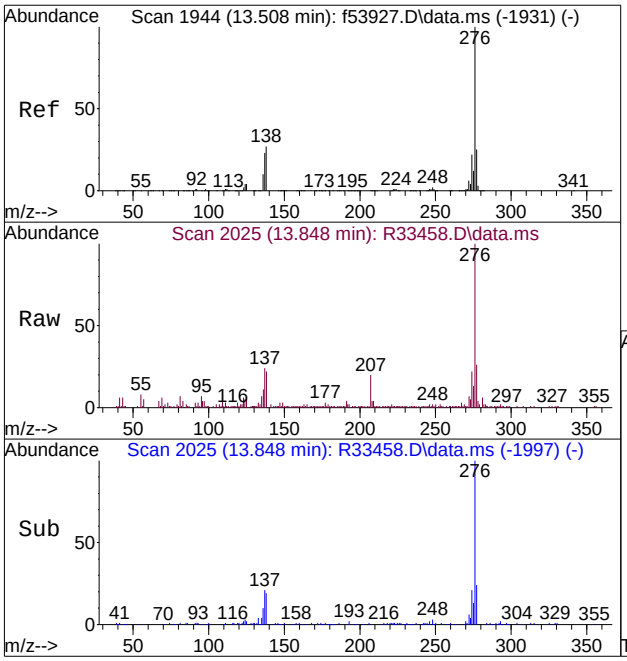


#98
Dibenz[a,h]anthracene
Concen: 3.80 ppm m
RT: 13.566 min Scan# 1977
Delta R.T. -0.289 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:278 Resp: 26290

Ion	Ratio	Lower	Upper
278	100		
139	22.6	0.0	48.9
279	23.2	0.0	54.2

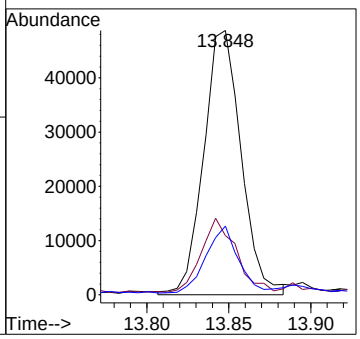




#99
Benzo[g,h,i]perylene
Concen: 10.91 ppm m
RT: 13.848 min Scan# 2025
Delta R.T. -0.336 min
Lab File: R33458.D
Acq: 10 Sep 2013 10:51 am

Tgt Ion:276 Resp: 77593

Ion	Ratio	Lower	Upper
276	100		
138	22.4	0.0	55.6
277	26.0	0.0	53.3



LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33458.D
Acq On : 10 Sep 2013 10:51 am
Operator : kristinr
Sample : mc24023-2
Misc : OP34724,MSR1218,20.50,,,1,5
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

Signal : TIC: R33458.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.837	146	153	162	rVB2	12816	21573	1.67%	0.143%
2	3.084	191	195	203	rVV	44061	43426	3.37%	0.288%
3	3.772	305	312	319	rBV	43390	47266	3.66%	0.313%
4	4.001	343	351	358	rBV	487440	375837	29.14%	2.489%
5	4.472	424	431	436	rBV	54136	47980	3.72%	0.318%
6	4.596	444	452	456	rBV5	10780	19852	1.54%	0.131%
7	4.731	469	475	481	rVB7	8131	11955	0.93%	0.079%
8	4.860	490	497	504	rBV7	6266	15773	1.22%	0.104%
9	5.019	519	524	526	rBV2	24479	28056	2.18%	0.186%
10	5.048	526	529	539	rVB	631808	535762	41.54%	3.548%
11	5.143	539	545	548	rVB7	8234	15923	1.23%	0.105%
12	5.213	554	557	560	rBV3	10621	13841	1.07%	0.092%
13	5.272	564	567	571	rBV4	14971	21284	1.65%	0.141%
14	5.395	583	588	590	rVB4	9886	13587	1.05%	0.090%
15	5.431	590	594	596	rBV4	14263	22043	1.71%	0.146%
16	5.448	596	597	602	rVB5	8877	13560	1.05%	0.090%
17	5.490	602	604	607	rBV3	10364	13340	1.03%	0.088%
18	5.566	613	617	621	rBV5	15921	20874	1.62%	0.138%
19	5.625	621	627	630	rBV7	14652	19171	1.49%	0.127%
20	5.654	630	632	636	rBV2	25212	24458	1.90%	0.162%
21	5.748	643	648	653	rBV4	33582	48928	3.79%	0.324%
22	5.837	658	663	664	rBV5	13567	24025	1.86%	0.159%
23	5.866	664	668	670	rBV4	20250	22270	1.73%	0.147%
24	5.890	670	672	677	rVB5	36556	41992	3.26%	0.278%
25	5.954	677	683	686	rBV6	39121	59832	4.64%	0.396%
26	5.990	686	689	693	rVB	134561	112829	8.75%	0.747%
27	6.037	693	697	700	rBV3	49564	54203	4.20%	0.359%
28	6.066	700	702	706	rVB5	20257	23397	1.81%	0.155%
29	6.131	706	713	718	rBV10	30114	69101	5.36%	0.458%
30	6.219	722	728	731	rBV5	29450	54590	4.23%	0.361%
31	6.272	734	737	740	rBV4	39753	38642	3.00%	0.256%
32	6.301	740	742	747	rVB	90161	78763	6.11%	0.522%
33	6.348	747	750	752	rBV2	38931	38895	3.02%	0.258%
34	6.442	760	766	769	rBV3	99989	119630	9.27%	0.792%
35	6.478	769	772	775	rBV	266960	233016	18.07%	1.543%
36	6.513	775	778	779	rBV3	29650	25996	2.02%	0.172%
37	6.531	779	781	784	rBV2	31923	27117	2.10%	0.180%
38	6.572	784	788	791	rBV	795225	627945	48.68%	4.158%
39	6.648	798	801	804	rBV4	25511	33253	2.58%	0.220%
40	6.678	804	806	809	rVB3	40672	37300	2.89%	0.247%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33458.D
Acq On : 10 Sep 2013 10:51 am
Operator : kristinr
Sample : mc24023-2
Misc : OP34724,MSR1218,20.50,,,1,5
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

41	6.737	810	816	824	rBV3	99958	194589	15.09%	1.288%
42	6.831	830	832	834	rBV3	27945	24637	1.91%	0.163%
43	6.860	834	837	840	rVB3	76624	75172	5.83%	0.498%
44	6.889	840	842	845	rBV3	27982	35298	2.74%	0.234%
45	6.925	845	848	851	rVV	109972	98124	7.61%	0.650%
46	6.960	851	854	859	rVV4	43812	68162	5.28%	0.451%
47	7.025	860	865	866	rVV4	42311	67637	5.24%	0.448%
48	7.048	866	869	879	rVB5	70598	140017	10.86%	0.927%
49	7.272	905	907	909	rBV3	27940	24401	1.89%	0.162%
50	7.719	981	983	988	rBV5	34918	47759	3.70%	0.316%
51	7.760	988	990	996	rVV6	37177	46673	3.62%	0.309%
52	7.813	996	999	1002	rBV4	46636	62721	4.86%	0.415%
53	7.948	1017	1022	1024	rBV	772130	706066	54.74%	4.675%
54	7.972	1024	1026	1030	rVV	503542	408864	31.70%	2.707%
55	8.013	1030	1033	1038	rVB	177193	160411	12.44%	1.062%
56	8.278	1075	1078	1100	rVB	80309	150433	11.66%	0.996%
57	8.472	1109	1111	1114	rBV	49124	59757	4.63%	0.396%
58	8.501	1114	1116	1120	rVB	113816	107093	8.30%	0.709%
59	8.595	1129	1132	1163	rVB	145047	335654	26.02%	2.223%
60	8.789	1163	1165	1178	rVB4	58560	99348	7.70%	0.658%
61	9.089	1214	1216	1233	rVB4	53929	157453	12.21%	1.043%
62	9.242	1234	1242	1266	rVB	709204	921630	71.45%	6.103%
63	9.407	1267	1270	1279	rVV6	52274	72617	5.63%	0.481%
64	9.489	1279	1284	1289	rVB	666963	718225	55.68%	4.756%
65	9.683	1313	1317	1322	rVB2	151549	164834	12.78%	1.091%
66	9.878	1345	1350	1359	rVB2	163244	217286	16.85%	1.439%
67	9.954	1359	1363	1367	rBV	87743	122216	9.48%	0.809%
68	10.001	1368	1371	1386	rVB6	52163	82981	6.43%	0.549%
69	10.595	1469	1472	1476	rBV3	54288	58026	4.50%	0.384%
70	10.630	1476	1478	1490	rVB4	50119	103843	8.05%	0.688%
71	10.783	1500	1504	1513	rVV3	32158	43649	3.38%	0.289%
72	10.889	1513	1522	1525	rVV2	789132	1289850	100.00%	8.541%
73	10.919	1525	1527	1539	rVB	365229	365291	28.32%	2.419%
74	11.013	1539	1543	1549	rVB2	89050	103004	7.99%	0.682%
75	11.113	1557	1560	1563	rVB2	42209	45210	3.51%	0.299%
76	11.148	1563	1566	1567	rVV	25118	27668	2.15%	0.183%
77	11.166	1568	1569	1575	rVB2	44039	52067	4.04%	0.345%
78	11.283	1586	1589	1597	rBV8	22603	54414	4.22%	0.360%
79	11.354	1598	1601	1606	rVB2	77793	109536	8.49%	0.725%
80	11.401	1606	1609	1614	rVB2	61326	68064	5.28%	0.451%
81	11.466	1615	1620	1625	rBV3	45378	85154	6.60%	0.564%
82	11.530	1625	1631	1634	rVB5	60614	109215	8.47%	0.723%
83	11.724	1661	1664	1692	rBV5	27261	150661	11.68%	0.998%
84	12.083	1720	1725	1738	rBV2	297386	724972	56.21%	4.800%
85	12.189	1739	1743	1751	rVB2	88491	109240	8.47%	0.723%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33458.D
Acq On : 10 Sep 2013 10:51 am
Operator : kristinr
Sample : mc24023-2
Misc : OP34724,MSR1218,20.50,,,1,5
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

86	12.360	1768	1772	1777	rVB	179523	227237	17.62%	1.505%
87	12.413	1777	1781	1786	rBV	309774	331593	25.71%	2.196%
88	12.471	1786	1791	1807	rVB2	696376	908315	70.42%	6.014%
89	12.583	1807	1810	1815	rVB7	43184	53398	4.14%	0.354%
90	12.636	1816	1819	1825	rBV4	40462	73146	5.67%	0.484%
91	13.024	1882	1885	1924	rVB4	68327	148599	11.52%	0.984%
92	13.336	1935	1938	1950	rVB4	74221	142431	11.04%	0.943%
93	13.424	1951	1953	1970	rVV5	35735	115874	8.98%	0.767%
94	13.560	1970	1976	1990	rVB2	194921	407448	31.59%	2.698%
95	13.671	1991	1995	2000	rBV2	35102	59391	4.60%	0.393%
96	13.724	2000	2004	2020	rVB7	50000	150344	11.66%	0.995%
97	13.848	2020	2025	2037	rVB	128126	207544	16.09%	1.374%
98	14.477	2129	2132	2154	rVB	30636	110943	8.60%	0.735%
99	15.289	2265	2270	2282	rVB3	58081	113276	8.78%	0.750%
100	15.395	2283	2288	2298	rBV5	30507	85622	6.64%	0.567%

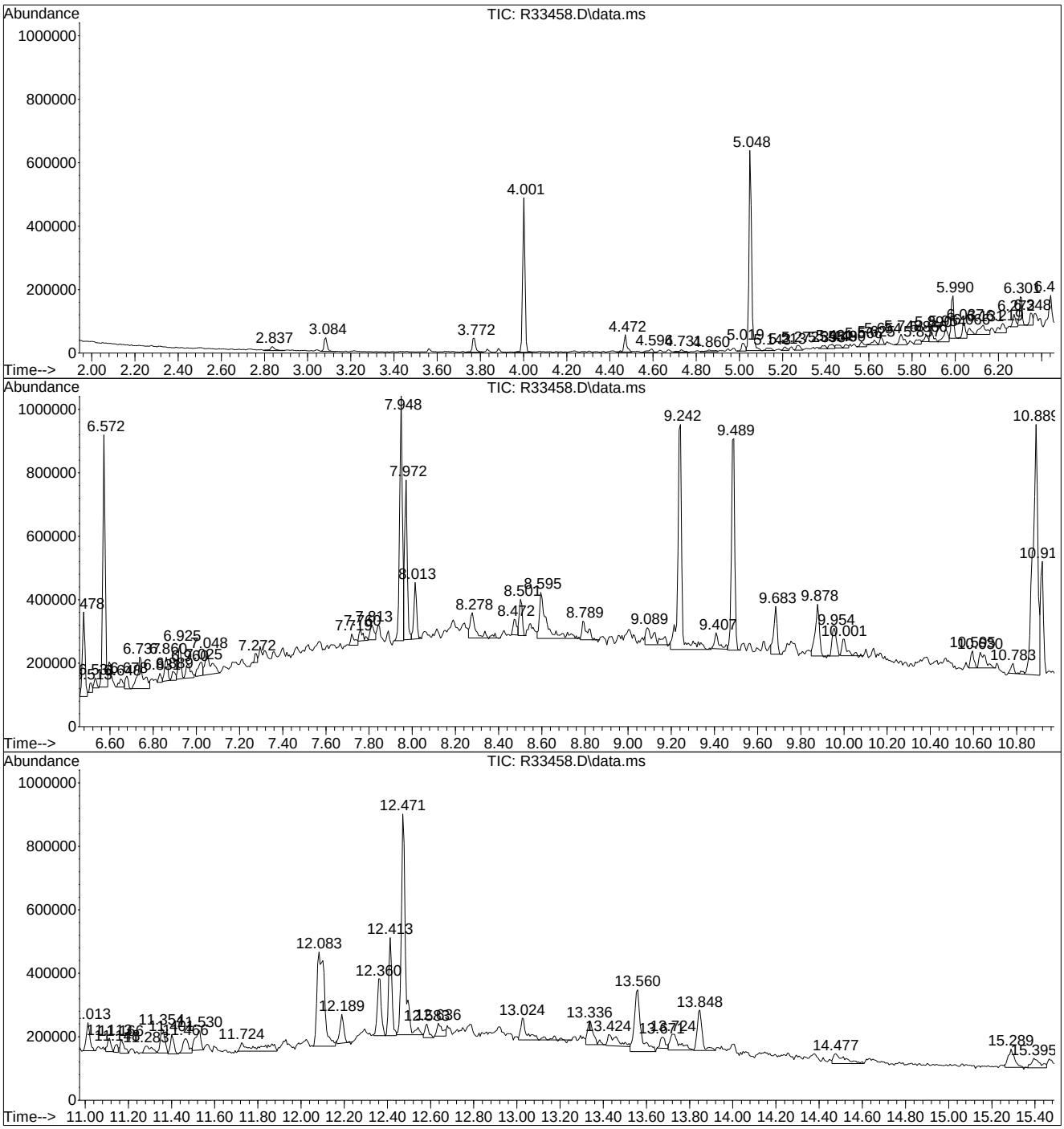
Sum of corrected areas: 15102368

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\R130910\
Data File : R33458.D
Acq On : 10 Sep 2013 10:51 am
Operator : kristinr
Sample : mc24023-2
Misc : OP34724,MSR1218,20.50,,,1,5
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33458.D
Acq On : 10 Sep 2013 10:51 am
Operator : kristinr
Sample : mc24023-2
Misc : OP34724,MSR1218,20.50,,,1,5
ALS Vial : 6 Sample Multiplier: 1

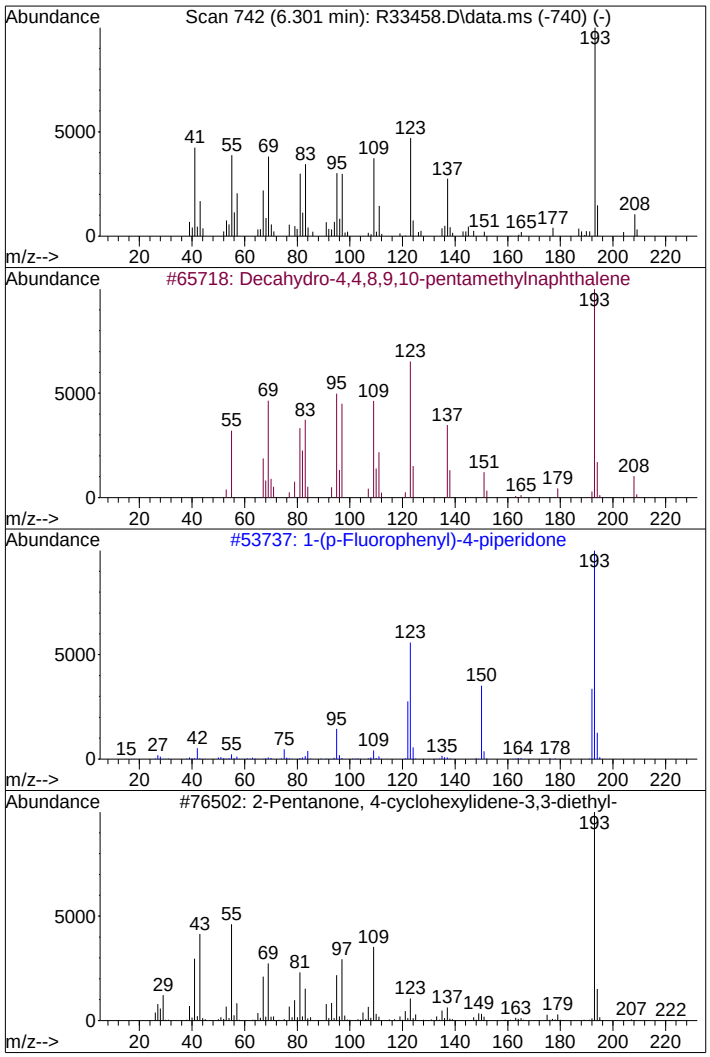
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

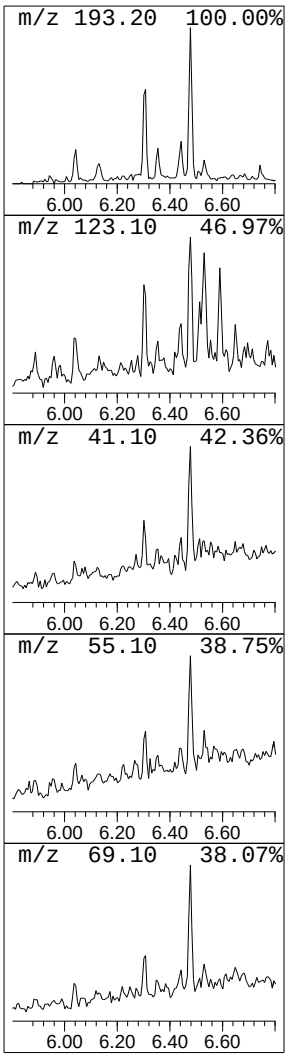
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

****
Peak Number 1 Decahydro-4,4,8,9,10-pentam... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.301	5.02 ppm	78763	Acenaphthene-d10	6.572

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	94
2	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	47
3	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	38
4	Butan-2-one, 1-[3-(3,3-dimethyl-...	278	C16H26N2O2	1000303-34-2	35
5	diallyl(2,2,4a,7,7-pentamethyl-1...	384	C19H33N2O4P	1000187-42-4	32





Library Search Compound Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33458.D
Acq On : 10 Sep 2013 10:51 am
Operator : kristinr
Sample : mc24023-2
Misc : OP34724,MSR1218,20.50,,,1,5
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

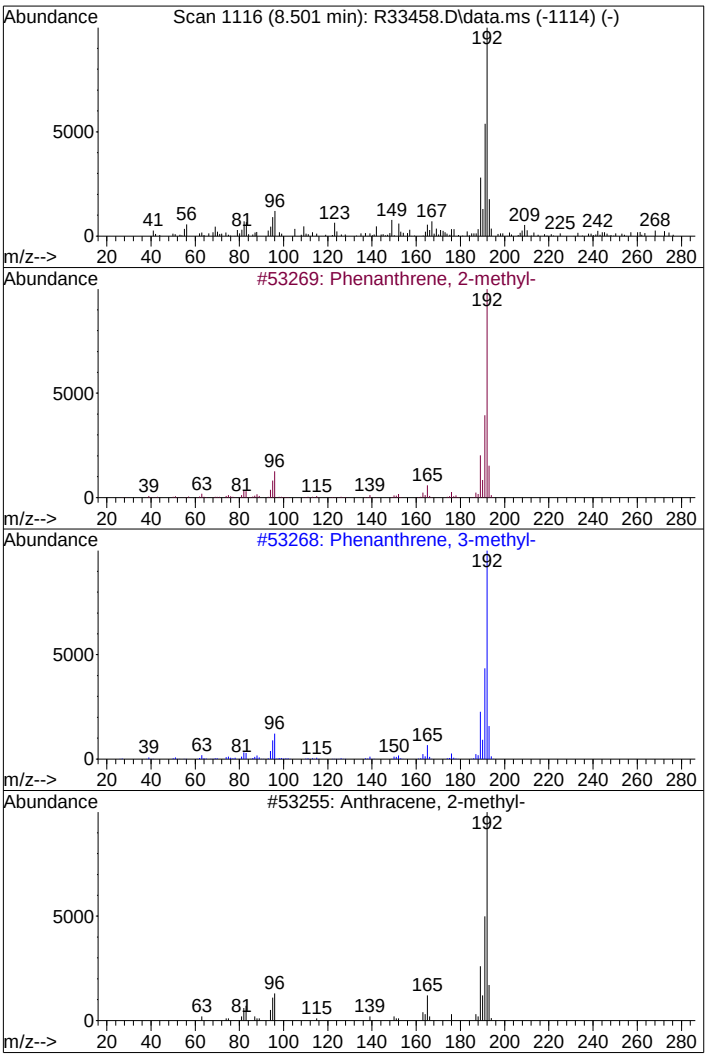
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

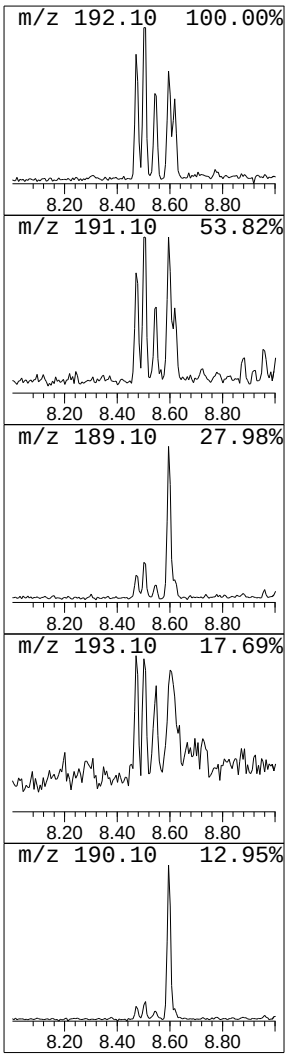
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.501	6.07 ppm	107093	Phenanthrene-d10a	7.948

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Library Search Compound Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33458.D
Acq On : 10 Sep 2013 10:51 am
Operator : kristinr
Sample : mc24023-2
Misc : OP34724,MSR1218,20.50,,,1,5
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

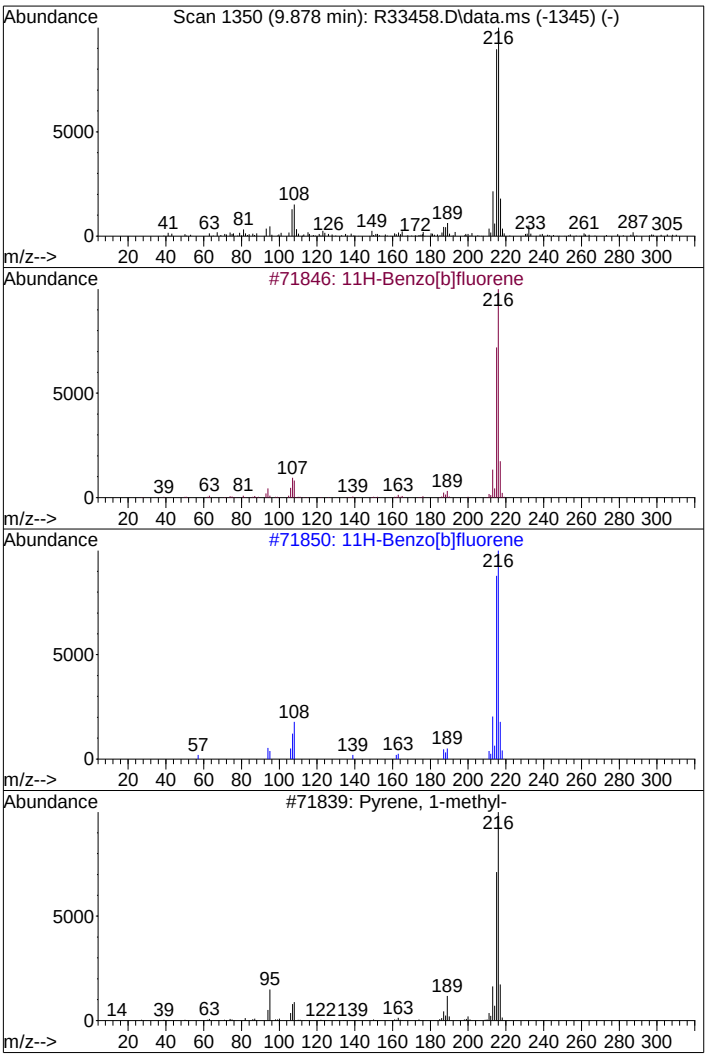
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

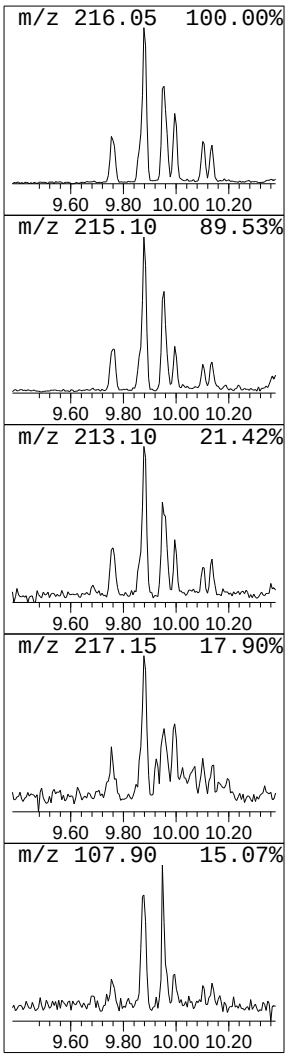
****

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.878	6.74 ppm	217286	Chrysene-d12	10.889

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Library Search Compound Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33458.D
Acq On : 10 Sep 2013 10:51 am
Operator : kristinr
Sample : mc24023-2
Misc : OP34724,MSR1218,20.50,,,1,5
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

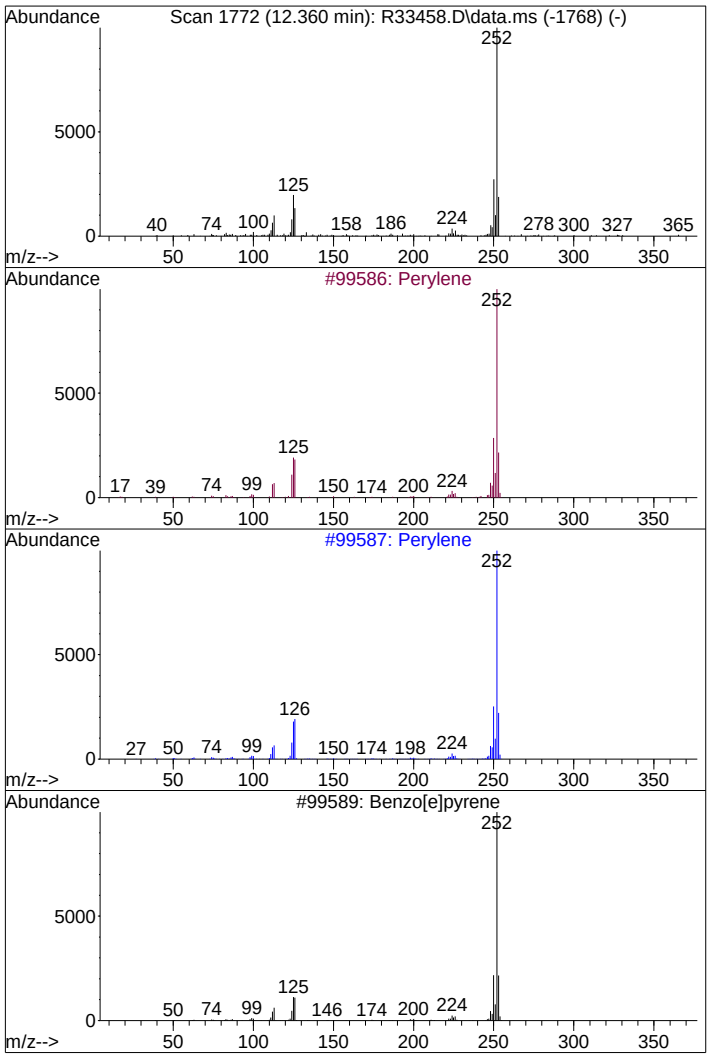
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

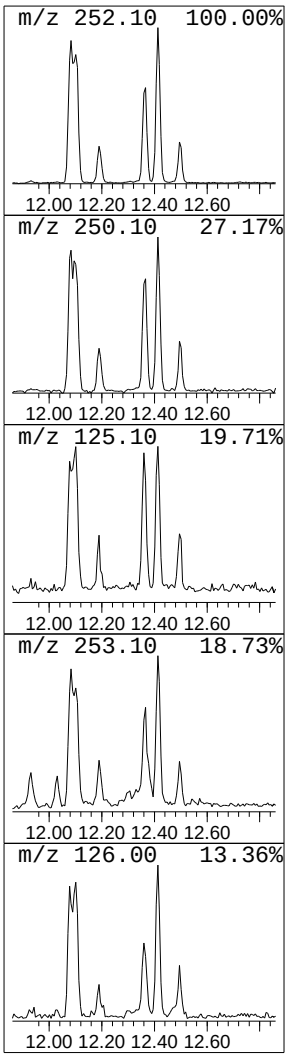
****

Peak Number 10 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.360	10.01 ppm	227237	Perylene-d12	12.472

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Perylene	252	C20H12	000198-55-0	97
3	Benzo[e]pyrene	252	C20H12	000192-97-2	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
5	Perylene	252	C20H12	000198-55-0	89





Library Search Compound Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33458.D
Acq On : 10 Sep 2013 10:51 am
Operator : kristinr
Sample : mc24023-2
Misc : OP34724,MSR1218,20.50,,,1,5
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

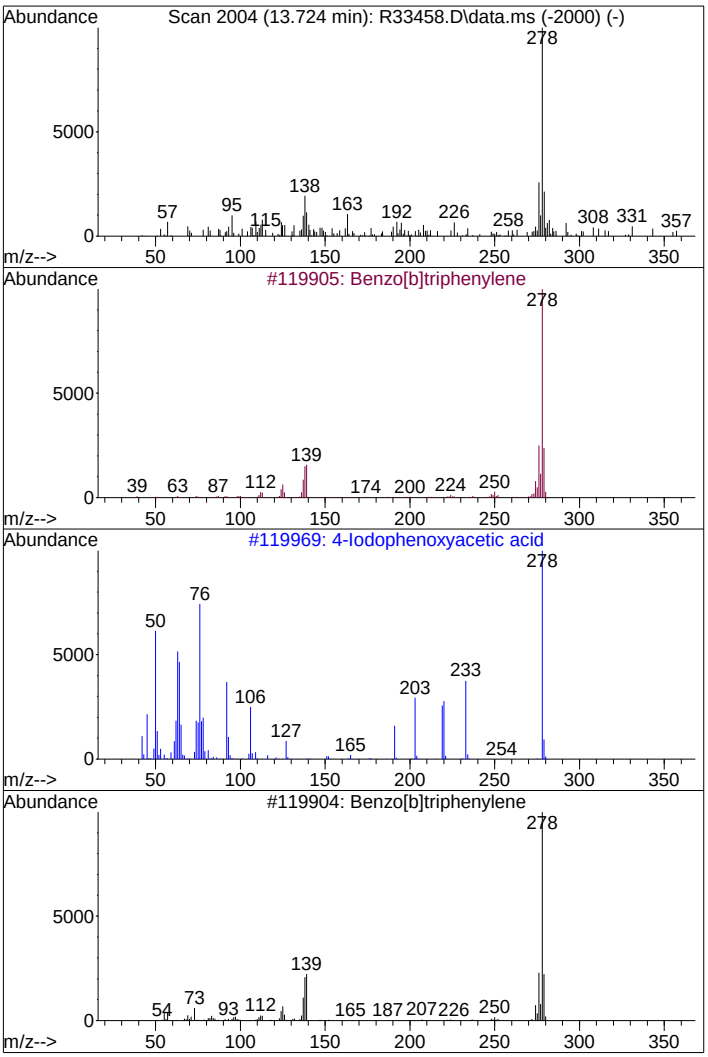
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

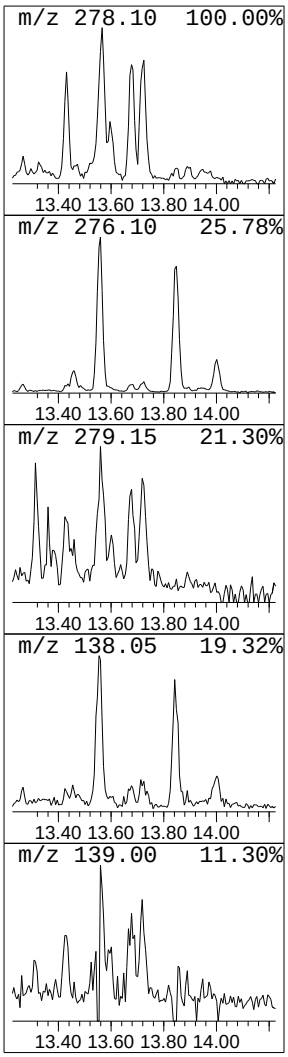
****

Peak Number 14 Benzo[b]triphenylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.724	6.62 ppm	150344	Perylene-d12	12.472

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	89
2	4-Iodophenoxyacetic acid	278	C8H7IO3	001878-94-0	86
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	76
4	Pentacene	278	C22H14	000135-48-8	60
5	Pentacene	278	C22H14	000135-48-8	60





Library Search Compound Report

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Data Path : C:\msdchem\1\data\R130910\
Data File : R33458.D
Acq On    : 10 Sep 2013  10:51 am
Operator  : kristinr
Sample    : mc24023-2
Misc      : OP34724,MSR1218,20.50,,,1,5
ALS Vial  : 6   Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title  : SW-864 Method 8270

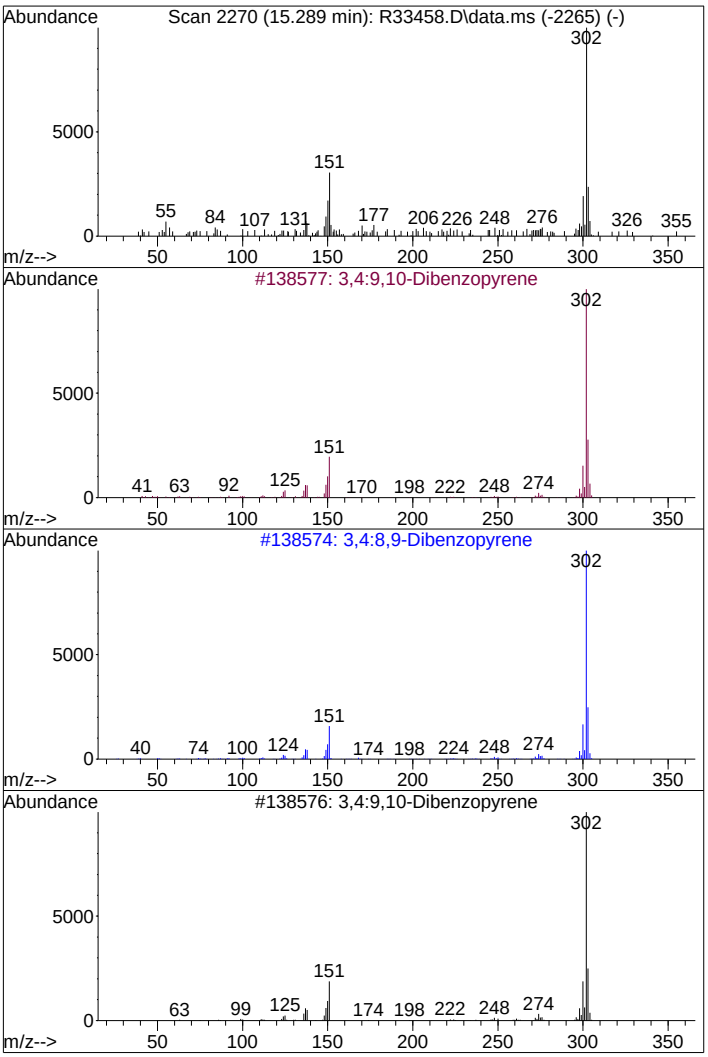
TIC Library   : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P
```

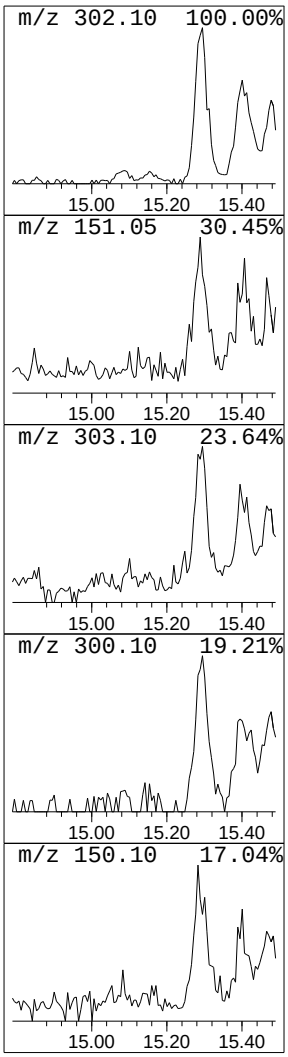
****

Peak Number 15 3,4:9,10-Dibenzopyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.289	4.99 ppm	113276	Perylene-d12	12.472

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	93
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	90
3	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	90
4	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	81
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	81





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\R130910\
Data File : R33458.D
Acq On : 10 Sep 2013 10:51 am
Operator : kristinr
Sample : mc24023-2
Misc : OP34724,MSR1218,20.50,,,1,5
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Decahydro-4,4,8...	6.301	5.0	ppm	78763	6	6.572	627945	40.0
Phenanthrene, 2...	8.501	6.1	ppm	107093	9	7.948	706066	40.0
11H-Benzo[b]flu...	9.878	6.7	ppm	217286	10	10.889	1289850	40.0
Perylene	12.360	10.0	ppm	227237	11	12.472	908315	40.0
Benzo[b]triphen...	13.724	6.6	ppm	150344	11	12.472	908315	40.0
3,4:9,10-Dibenz...	15.289	5.0	ppm	113276	11	12.472	908315	40.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33459.D
Acq On : 10 Sep 2013 11:14 am
Operator : kristinr
Sample : mc24023-5
Misc : OP34724,MSR1218,20.72,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 12 09:54:31 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

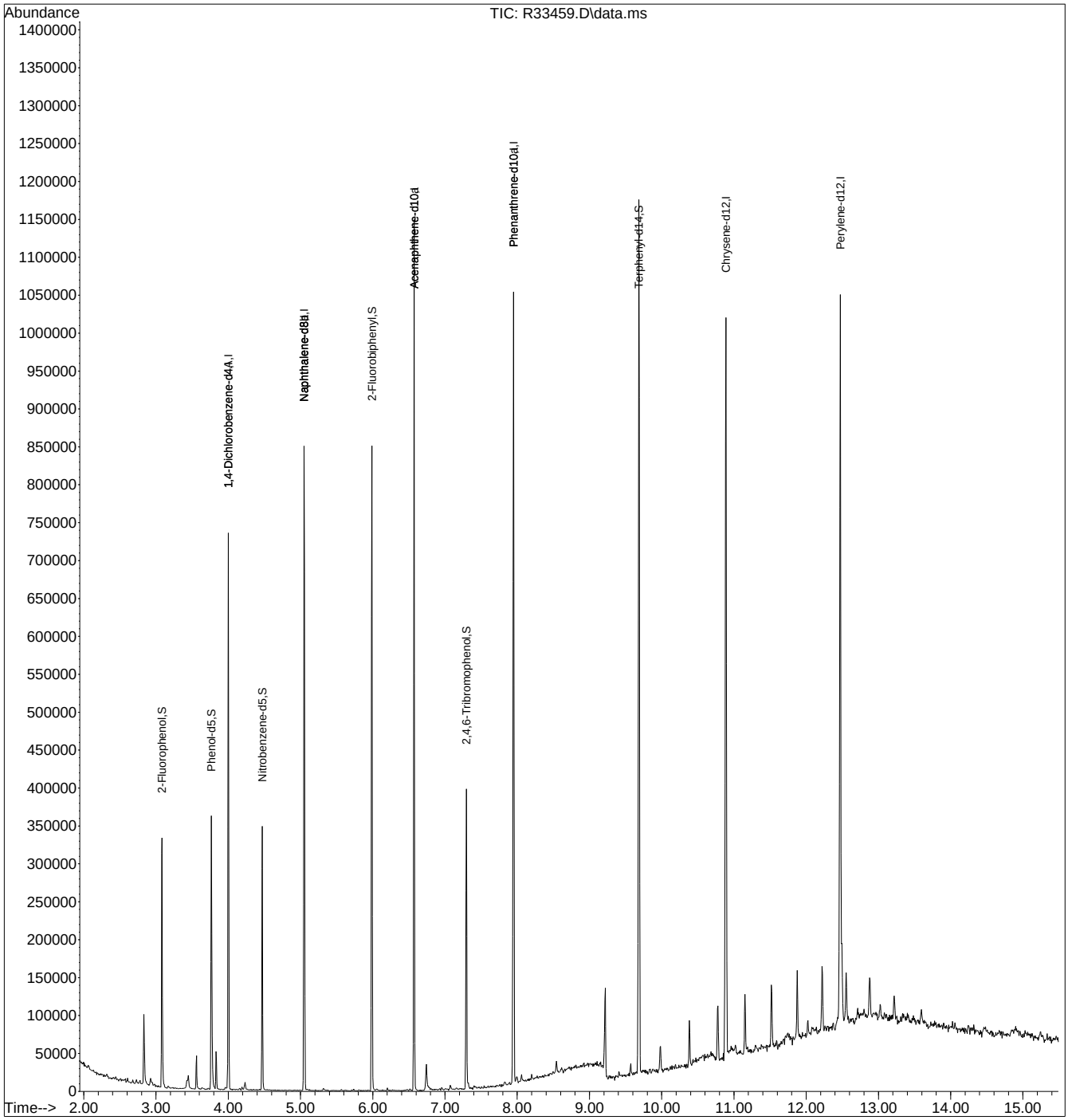
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.001	152	95190	40.00	ppm	-0.10
21) 1,4-Dichlorobenzene-d4A	4.001	152	95190	40.00	PPM	-0.10
23) Naphthalene-d8	5.048	136	344590	40.00	ppm	-0.10
41) Naphthalene-d8a	5.048	136	344590	40.00	ppm	-0.10
43) Acenaphthene-d10	6.572	164	212590	40.00	ppm	-0.11
65) Acenaphthene-d10a	6.572	164	212590	40.00	ppm	-0.11
67) Phenanthrene-d10	7.948	188	357498	40.00	ppm	-0.12
80) Phenanthrene-d10a	7.948	188	357498	40.00	ppm	-0.12
82) Chrysene-d12	10.889	240	386335	40.00	ppm	-0.14
92) Perylene-d12	12.472	264	382665	40.00	ppm	-0.14
100) Naphthalene-d8b	5.048	136	344590	40.00	ug/mL	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	3.084	112	96663	33.50	ppm	-0.13
Spiked Amount 100.000	Range 30 - 130		Recovery = 33.50%			
7) Phenol-d5	3.766	99	117628	32.19	ppm	-0.08
Spiked Amount 100.000	Range 30 - 130		Recovery = 32.19%			
24) Nitrobenzene-d5	4.472	82	98539	29.93	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 59.86%			
48) 2-Fluorobiphenyl	5.990	172	241214	34.11	ppm	-0.11
Spiked Amount 50.000	Range 30 - 130		Recovery = 68.22%			
71) 2,4,6-Tribromophenol	7.295	330	45733	42.69	ppm	-0.12
Spiked Amount 100.000	Range 30 - 130		Recovery = 42.69%			
85) Terphenyl-d14	9.683	244	410243	49.61	ppm	-0.16
Spiked Amount 50.000	Range 30 - 130		Recovery = 99.22%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33459.D
Acq On : 10 Sep 2013 11:14 am
Operator : kristinr
Sample : mc24023-5
Misc : OP34724,MSR1218,20.72,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 12 09:54:31 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33459.D
Acq On : 10 Sep 2013 11:14 am
Operator : kristinr
Sample : mc24023-5
Misc : OP34724,MSR1218,20.72,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

Signal : TIC: R33459.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.413	78	81	84	rVV4	2277	3056	0.26%	0.030%
2	2.443	84	86	93	rVB3	5875	9091	0.78%	0.090%
3	2.607	111	114	122	rVB5	6705	8345	0.71%	0.083%
4	2.678	122	126	130	rVV3	4933	6040	0.52%	0.060%
5	2.731	131	135	140	rVV7	5883	9010	0.77%	0.089%
6	2.778	140	143	148	rVV4	5795	7903	0.68%	0.078%
7	2.831	148	152	164	rVV	93679	96137	8.23%	0.952%
8	2.925	164	168	175	rVV3	10079	16281	1.39%	0.161%
9	2.984	175	178	180	rVB3	3372	3428	0.29%	0.034%
10	3.084	190	195	207	rVB	330363	307850	26.36%	3.048%
11	3.166	207	209	217	rBV3	2888	3759	0.32%	0.037%
12	3.449	246	257	266	rVB	17331	32866	2.81%	0.325%
13	3.560	272	276	286	rVB	44161	38715	3.32%	0.383%
14	3.637	286	289	297	rBV3	2200	3206	0.27%	0.032%
15	3.725	299	304	306	rBV3	2101	2534	0.22%	0.025%
16	3.766	306	311	319	rVV	361101	308742	26.44%	3.056%
17	3.831	319	322	332	rVB	50813	42165	3.61%	0.417%
18	3.960	339	344	347	rVV2	3597	5634	0.48%	0.056%
19	4.001	347	351	360	rVB	734866	533420	45.68%	5.281%
20	4.154	374	377	381	rVB2	2669	3380	0.29%	0.033%
21	4.190	381	383	386	rBV2	4369	3937	0.34%	0.039%
22	4.231	386	390	399	rVB4	9850	12638	1.08%	0.125%
23	4.472	426	431	442	rBV	347911	285760	24.47%	2.829%
24	4.843	490	494	501	rVB2	980	2246	0.19%	0.022%
25	5.048	523	529	534	rBV	850110	681489	58.36%	6.747%
26	5.319	571	575	582	rBV	3141	4286	0.37%	0.042%
27	5.566	612	617	622	rBB3	2012	2542	0.22%	0.025%
28	5.737	644	646	653	rVB	2390	2207	0.19%	0.022%
29	5.990	685	689	696	rBV	850929	652083	55.84%	6.456%
30	6.060	696	701	708	rVB5	2242	4299	0.37%	0.043%
31	6.201	722	725	730	rBV2	4095	4387	0.38%	0.043%
32	6.478	764	772	775	rVB4	1899	4327	0.37%	0.043%
33	6.513	775	778	784	rBV2	2995	4239	0.36%	0.042%
34	6.572	784	788	797	rBV	1149065	838981	71.84%	8.306%
35	6.742	807	817	827	rBV	34961	53838	4.61%	0.533%
36	6.931	844	849	850	rBV3	2346	2921	0.25%	0.029%
37	6.954	850	853	858	rBV4	4002	4190	0.36%	0.041%
38	7.007	858	862	865	rBV3	2104	3469	0.30%	0.034%
39	7.031	865	866	869	rVB	2190	2124	0.18%	0.021%
40	7.072	869	873	880	rBV4	7019	11772	1.01%	0.117%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33459.D
Acq On : 10 Sep 2013 11:14 am
Operator : kristinr
Sample : mc24023-5
Misc : OP34724,MSR1218,20.72,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

41	7.160	884	888	894	rBV6	2421	3728	0.32%	0.037%
42	7.295	905	911	919	rBV	396555	350848	30.04%	3.473%
43	7.348	919	920	926	rVB2	3064	4477	0.38%	0.044%
44	7.401	926	929	931	rBV2	5163	6250	0.54%	0.062%
45	7.478	936	942	945	rVB4	2145	3128	0.27%	0.031%
46	7.507	945	947	951	rBV4	2829	2350	0.20%	0.023%
47	7.542	951	953	958	rBV3	3393	3446	0.30%	0.034%
48	7.601	958	963	965	rBV4	2984	4040	0.35%	0.040%
49	7.631	965	968	972	rVV4	1971	2321	0.20%	0.023%
50	7.713	980	982	986	rBV4	2795	4110	0.35%	0.041%
51	7.760	987	990	992	rVB4	3066	2978	0.26%	0.029%
52	7.825	995	1001	1008	rBV6	6565	16119	1.38%	0.160%
53	7.895	1008	1013	1016	rBV5	3295	4276	0.37%	0.042%
54	7.948	1016	1022	1027	rBV	1045258	907722	77.73%	8.986%
55	7.995	1027	1030	1033	rVB	7968	10248	0.88%	0.101%
56	8.060	1034	1041	1049	rVV7	9600	14275	1.22%	0.141%
57	8.160	1052	1058	1059	rBV5	3799	5097	0.44%	0.050%
58	8.201	1059	1065	1070	rBV4	9099	15274	1.31%	0.151%
59	8.278	1070	1078	1081	rBV9	4693	8736	0.75%	0.086%
60	8.319	1081	1085	1087	rBV5	2758	4168	0.36%	0.041%
61	8.384	1094	1096	1102	rBV6	3238	4488	0.38%	0.044%
62	8.466	1106	1110	1113	rBV5	3001	5048	0.43%	0.050%
63	8.495	1113	1115	1118	rVV4	3931	4562	0.39%	0.045%
64	8.542	1119	1123	1130	rVV7	15736	19268	1.65%	0.191%
65	8.613	1132	1135	1139	rVB6	7457	10527	0.90%	0.104%
66	8.660	1140	1143	1145	rBV4	5099	6371	0.55%	0.063%
67	8.925	1185	1188	1195	rBV8	4523	5936	0.51%	0.059%
68	9.219	1233	1238	1245	rVB	120439	153395	13.14%	1.519%
69	9.272	1245	1247	1253	rBV7	4742	9113	0.78%	0.090%
70	9.366	1260	1263	1268	rBV6	6829	14405	1.23%	0.143%
71	9.407	1268	1270	1278	rVV7	8858	16655	1.43%	0.165%
72	9.536	1287	1292	1293	rBV4	3015	4222	0.36%	0.042%
73	9.572	1295	1298	1303	rBV3	16973	19299	1.65%	0.191%
74	9.683	1307	1317	1324	rBV	1153993	1118660	95.79%	11.075%
75	9.842	1339	1344	1346	rBV5	5900	7229	0.62%	0.072%
76	9.878	1347	1350	1357	rVV9	4909	8813	0.75%	0.087%
77	9.983	1362	1368	1374	rBV3	35471	51005	4.37%	0.505%
78	10.119	1388	1391	1393	rBV4	4690	3798	0.33%	0.038%
79	10.189	1401	1403	1410	rBV7	6419	8697	0.74%	0.086%
80	10.272	1415	1417	1424	rBV8	4045	6728	0.58%	0.067%
81	10.383	1432	1436	1441	rBV	62232	66638	5.71%	0.660%
82	10.436	1441	1445	1450	rBV6	8085	16666	1.43%	0.165%
83	10.778	1499	1503	1508	rBV2	71113	79240	6.79%	0.784%
84	10.889	1515	1522	1532	rBV	977712	1062826	91.01%	10.522%
85	11.154	1563	1567	1587	rBV	79236	113096	9.68%	1.120%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33459.D
Acq On : 10 Sep 2013 11:14 am
Operator : kristinr
Sample : mc24023-5
Misc : OP34724,MSR1218,20.72,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

86	11.295	1590	1591	1598	rVB6	8644	14091	1.21%	0.139%
87	11.519	1626	1629	1638	rBV	81655	92651	7.93%	0.917%
88	11.719	1660	1663	1664	rBV3	11764	14621	1.25%	0.145%
89	11.877	1685	1690	1699	rVB	90423	103451	8.86%	1.024%
90	12.024	1711	1715	1722	rBV10	21776	30247	2.59%	0.299%
91	12.142	1723	1735	1738	rVB10	9609	34655	2.97%	0.343%
92	12.219	1744	1748	1753	rVB	85000	92334	7.91%	0.914%
93	12.472	1786	1791	1800	rVV	957436	1167794	100.00%	11.561%
94	12.554	1801	1805	1813	rVB	66176	78901	6.76%	0.781%
95	12.713	1829	1832	1836	rBV6	15444	18861	1.62%	0.187%
96	12.877	1856	1860	1881	rVV	52569	89818	7.69%	0.889%
97	13.024	1882	1885	1893	rVB10	19748	29584	2.53%	0.293%
98	13.219	1915	1918	1935	rVB7	33995	51638	4.42%	0.511%
99	13.595	1979	1982	2002	rVB7	23220	51928	4.45%	0.514%
100	14.242	2090	2092	2096	rVB4	12033	17044	1.46%	0.169%

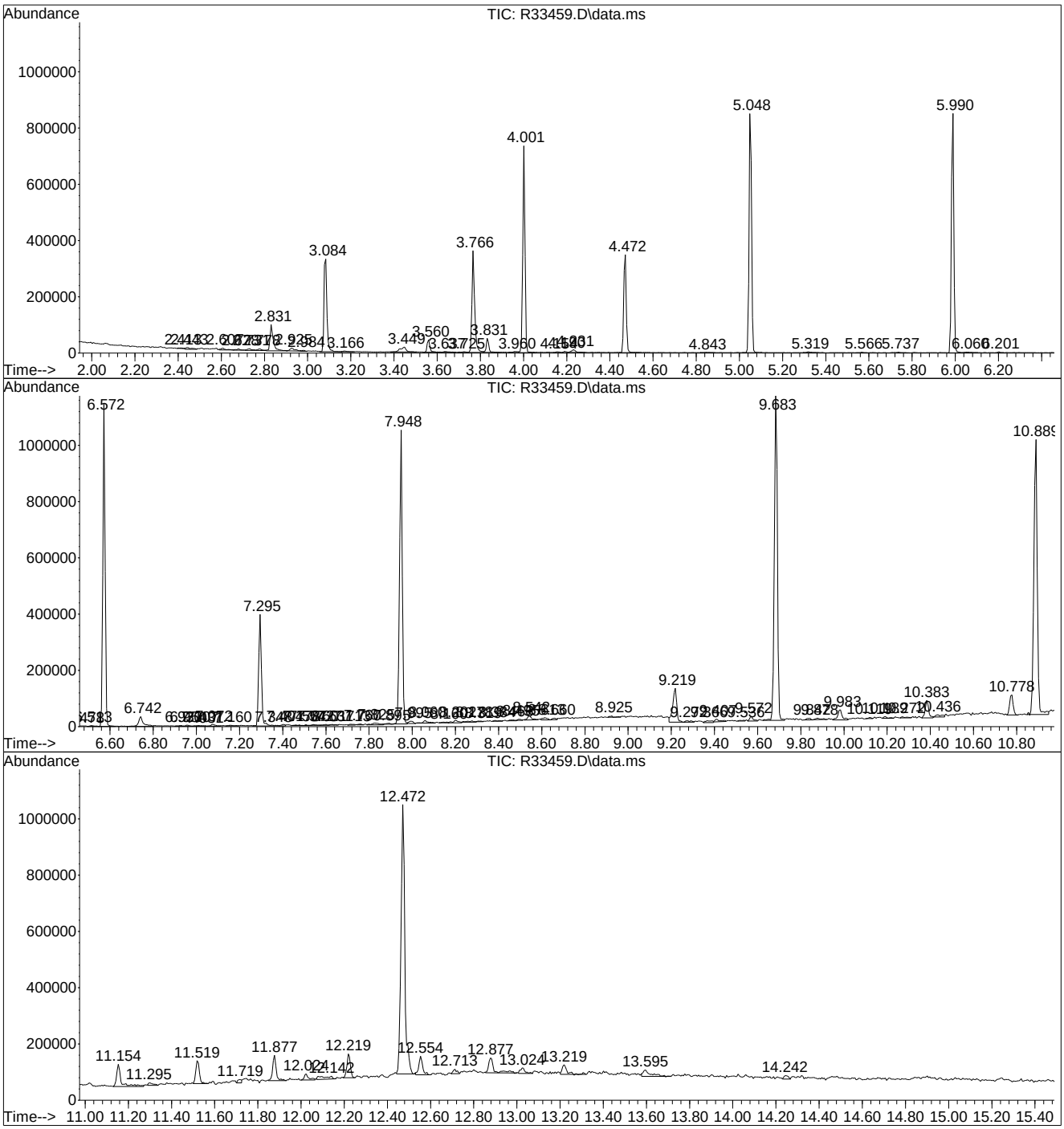
Sum of corrected areas: 10101191

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\R130910\
Data File : R33459.D
Acq On : 10 Sep 2013 11:14 am
Operator : kristinr
Sample : mc24023-5
Misc : OP34724,MSR1218,20.72,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33459.D
Acq On : 10 Sep 2013 11:14 am
Operator : kristinr
Sample : mc24023-5
Misc : OP34724,MSR1218,20.72,,,1,1
ALS Vial : 7 Sample Multiplier: 1

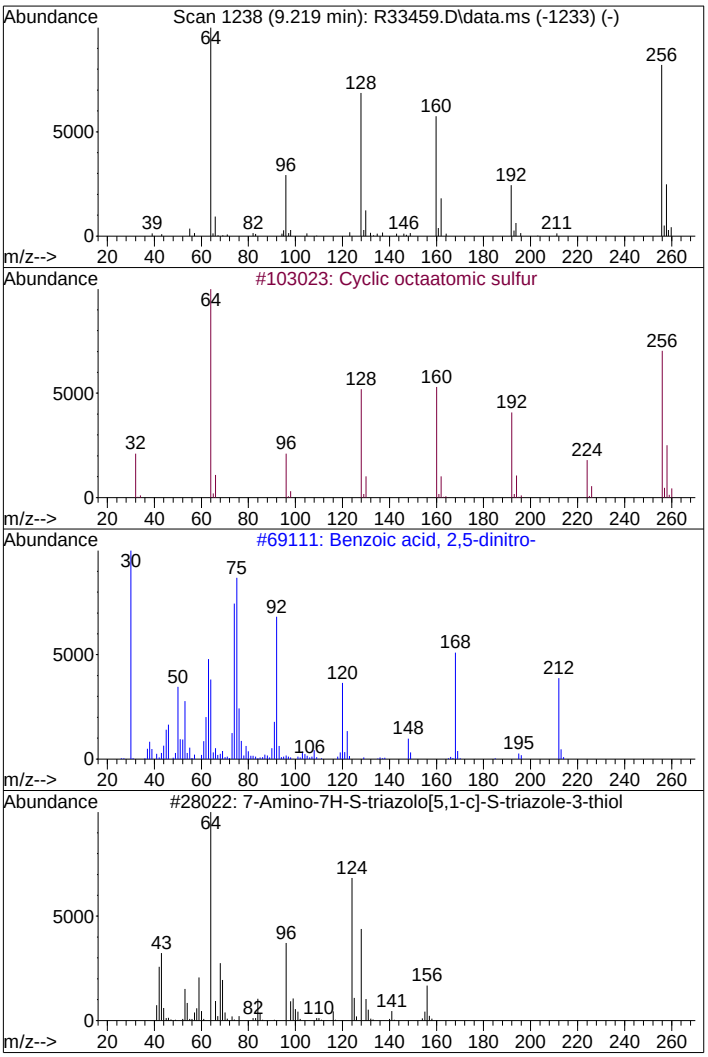
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

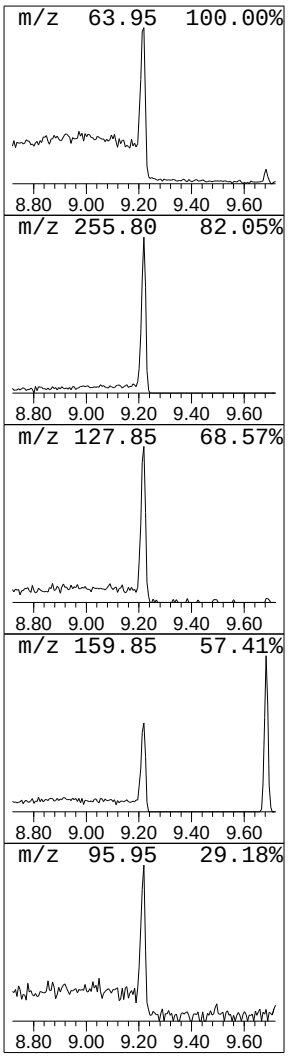
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

****
Peak Number 2 Cyclic octaatomic sulfur Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.219	6.76 ppm	153395	Phenanthrene-d10a	7.948

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclic octaatomic sulfur	256	S8	010544-50-0	91
2	Benzoic acid, 2,5-dinitro-	212	C7H4N2O6	000610-28-6	43
3	7-Amino-7H-S-triazolo[5,1-c]-S-t...	156	C3H4N6S	013728-28-4	33
4	Dihydropyrimidine-2-methyl thios...	208	C5H8N2O3S2	1000256-28-8	25
5	1H-Pyrazole, 3-(4-chlorophenyl)-...	256	C15H13ClN2	020264-80-6	9





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\R130910\
Data File : R33459.D
Acq On : 10 Sep 2013 11:14 am
Operator : kristinr
Sample : mc24023-5
Misc : OP34724,MSR1218,20.72,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclic octaatom...	9.219	6.8	ppm	153395	9	7.948	907722	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 09/12/13 10:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33460.D
Acq On : 10 Sep 2013 11:36 am
Operator : kristinr
Sample : mc24023-7
Misc : OP34724,MSR1218,20.58,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 12 10:00:30 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

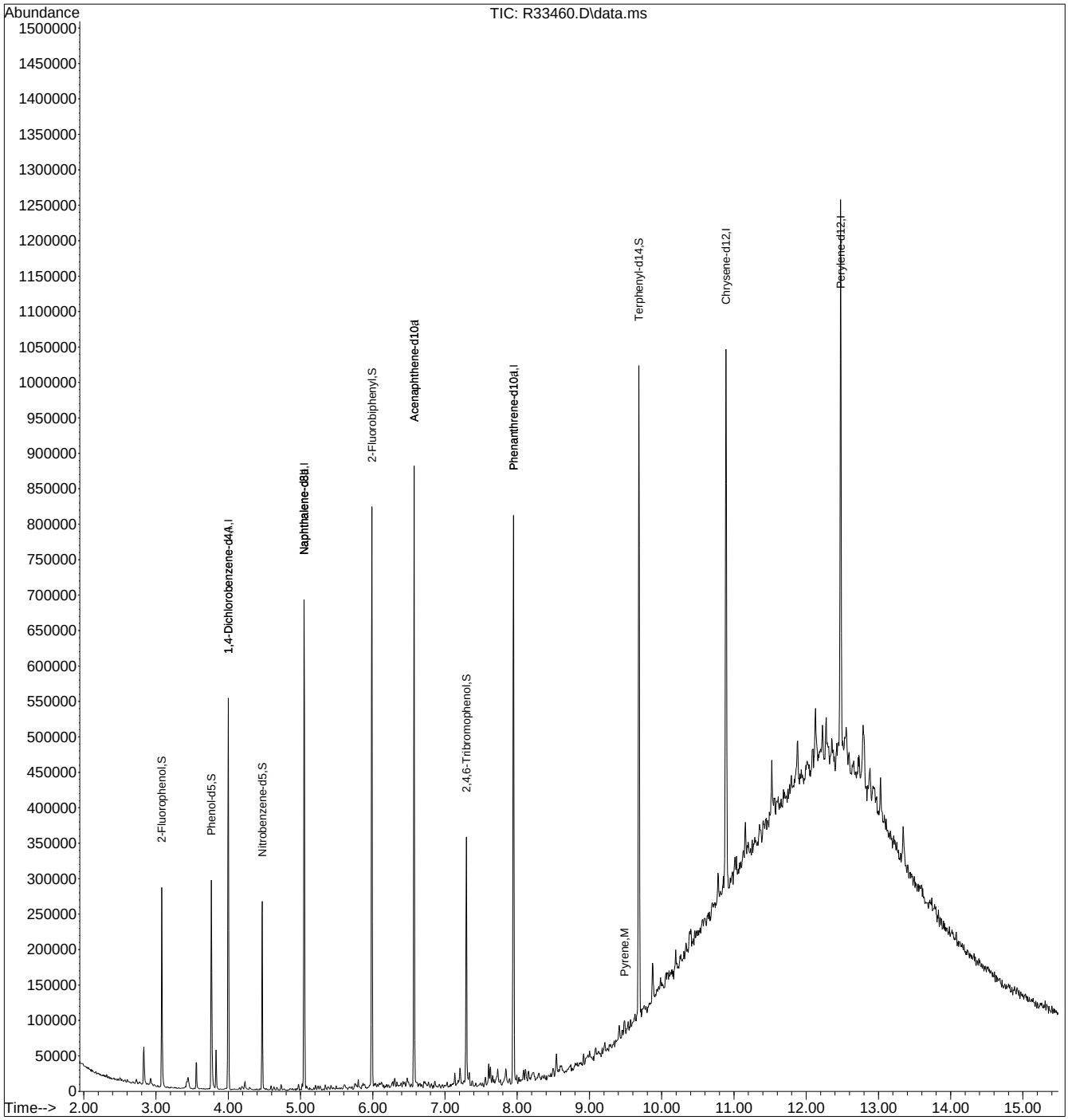
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.001	152	75716	40.00	ppm	-0.10
21) 1,4-Dichlorobenzene-d4A	4.001	152	75716	40.00	PPM	-0.10
23) Naphthalene-d8	5.048	136	271956	40.00	ppm	-0.10
41) Naphthalene-d8a	5.048	136	271956	40.00	ppm	-0.10
43) Acenaphthene-d10	6.572	164	168980	40.00	ppm	-0.11
65) Acenaphthene-d10a	6.572	164	168980	40.00	ppm	-0.11
67) Phenanthrene-d10	7.948	188	286386	40.00	ppm	-0.12
80) Phenanthrene-d10a	7.948	188	286386	40.00	ppm	-0.12
82) Chrysene-d12	10.889	240	309652	40.00	ppm	-0.14
92) Perylene-d12	12.477	264	301789	40.00	ppm	-0.13
100) Naphthalene-d8b	5.048	136	271956	40.00	ug/mL	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	3.078	112	74117	32.29	ppm	-0.14
Spiked Amount 100.000	Range 30 - 130		Recovery = 32.29%			
7) Phenol-d5	3.766	99	98423	33.87	ppm	-0.08
Spiked Amount 100.000	Range 30 - 130		Recovery = 33.87%			
24) Nitrobenzene-d5	4.472	82	77301	29.75	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 59.50%			
48) 2-Fluorobiphenyl	5.990	172	226561	40.30	ppm	-0.11
Spiked Amount 50.000	Range 30 - 130		Recovery = 80.60%			
71) 2,4,6-Tribromophenol	7.295	330	39919	46.52	ppm	-0.12
Spiked Amount 100.000	Range 30 - 130		Recovery = 46.52%			
85) Terphenyl-d14	9.683	244	322893	48.71	ppm	-0.16
Spiked Amount 50.000	Range 30 - 130		Recovery = 97.42%			
Target Compounds						Qvalue
84) Pyrene	9.483	202	10346m	1.17	ppm	

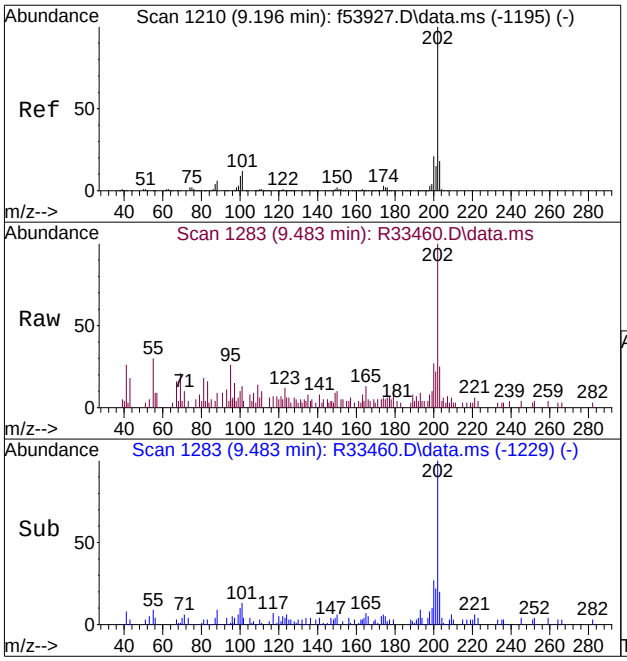
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33460.D
Acq On : 10 Sep 2013 11:36 am
Operator : kristinr
Sample : mc24023-7
Misc : OP34724,MSR1218,20.58,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 12 10:00:30 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

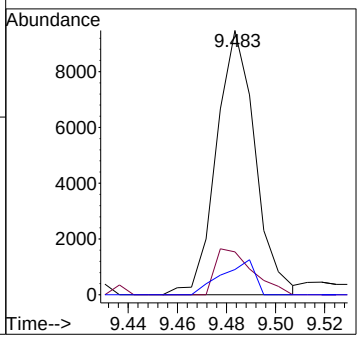




#84
Pyrene
Concen: 1.17 ppm m
RT: 9.483 min Scan# 1283
Delta R.T. -0.180 min
Lab File: R33460.D
Acq: 10 Sep 2013 11:36 am

Tgt Ion:202 Resp: 10346

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	43.1
100	9.6	0.0	40.6



LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33460.D
Acq On : 10 Sep 2013 11:36 am
Operator : kristinr
Sample : mc24023-7
Misc : OP34724,MSR1218,20.58,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

Signal : TIC: R33460.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.602	111	113	122	rVB6	5532	9124	0.79%	0.099%
2	2.731	131	135	139	rBV4	6161	6936	0.60%	0.075%
3	2.831	147	152	159	rVB	52685	53573	4.64%	0.582%
4	2.925	164	168	174	rVV4	10675	14714	1.27%	0.160%
5	3.078	188	194	205	rVB	282286	241505	20.91%	2.624%
6	3.443	247	256	268	rVB4	16902	41727	3.61%	0.453%
7	3.554	272	275	283	rVB	37485	35439	3.07%	0.385%
8	3.766	305	311	319	rBV	294833	252994	21.91%	2.748%
9	3.831	319	322	331	rVB	55556	40206	3.48%	0.437%
10	4.001	346	351	358	rVB	552328	419792	36.35%	4.561%
11	4.190	380	383	387	rBV2	5143	7092	0.61%	0.077%
12	4.231	387	390	398	rVV2	11856	15446	1.34%	0.168%
13	4.472	427	431	438	rVV	266048	227668	19.71%	2.473%
14	4.596	445	452	454	rVB3	6775	8008	0.69%	0.087%
15	4.631	454	458	463	rBV3	5279	6227	0.54%	0.068%
16	4.731	472	475	478	rBV4	7892	7431	0.64%	0.081%
17	4.972	513	516	519	rVB2	8533	6851	0.59%	0.074%
18	5.048	519	529	534	rBV	691866	559129	48.41%	6.074%
19	5.084	534	535	541	rVV3	5859	6193	0.54%	0.067%
20	5.272	564	567	571	rVB4	6481	7394	0.64%	0.080%
21	5.343	577	579	583	rBV	7632	7260	0.63%	0.079%
22	5.378	583	585	590	rBV5	4343	6711	0.58%	0.073%
23	5.607	619	624	632	rVB8	7085	17794	1.54%	0.193%
24	5.690	632	638	640	rBV4	3980	8829	0.76%	0.096%
25	5.754	644	649	653	rBV5	8722	15518	1.34%	0.169%
26	5.801	655	657	664	rVB3	13097	12578	1.09%	0.137%
27	5.866	664	668	670	rBV3	8044	11587	1.00%	0.126%
28	5.990	677	689	693	rBV	820800	629961	54.55%	6.844%
29	6.042	696	698	700	rVV3	7318	7288	0.63%	0.079%
30	6.090	704	706	708	rVV2	7819	9168	0.79%	0.100%
31	6.119	708	711	715	rVV5	8842	14535	1.26%	0.158%
32	6.278	731	738	740	rBV8	8842	12156	1.05%	0.132%
33	6.307	740	743	745	rVV4	12861	13614	1.18%	0.148%
34	6.337	745	748	752	rVV5	7778	7546	0.65%	0.082%
35	6.395	752	758	760	rVB7	6246	9467	0.82%	0.103%
36	6.419	760	762	764	rBV2	8119	7829	0.68%	0.085%
37	6.442	764	766	768	rVV3	7268	6397	0.55%	0.069%
38	6.478	768	772	779	rVV6	13172	22308	1.93%	0.242%
39	6.572	784	788	799	rVV	876179	698199	60.46%	7.585%
40	6.707	809	811	820	rBV9	9030	21721	1.88%	0.236%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33460.D
Acq On : 10 Sep 2013 11:36 am
Operator : kristinr
Sample : mc24023-7
Misc : OP34724,MSR1218,20.58,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

41	6.772	820	822	826	rVB3	8266	7578	0.66%	0.082%
42	6.813	826	829	832	rVB3	6753	8610	0.75%	0.094%
43	6.860	832	837	841	rBV6	10538	15144	1.31%	0.165%
44	6.919	844	847	851	rVB3	5846	7188	0.62%	0.078%
45	6.966	851	855	857	rBV3	5187	6497	0.56%	0.071%
46	6.989	857	859	863	rVV4	4127	6108	0.53%	0.066%
47	7.031	863	866	869	rVV3	7974	7461	0.65%	0.081%
48	7.137	875	884	887	rVV3	20155	26069	2.26%	0.283%
49	7.207	887	896	903	rVV5	26469	48064	4.16%	0.522%
50	7.295	903	911	916	rVV	351491	319893	27.70%	3.475%
51	7.337	916	918	922	rVV3	18724	15534	1.35%	0.169%
52	7.378	922	925	930	rVB	8085	8478	0.73%	0.092%
53	7.495	937	945	947	rBV5	4132	6278	0.54%	0.068%
54	7.560	952	956	959	rBV2	13843	16498	1.43%	0.179%
55	7.607	959	964	966	rBV2	29813	29675	2.57%	0.322%
56	7.631	966	968	970	rVV	24366	20215	1.75%	0.220%
57	7.660	970	973	978	rVV5	11736	15838	1.37%	0.172%
58	7.731	978	985	989	rVV4	20609	31430	2.72%	0.341%
59	7.766	989	991	995	rVB3	8081	6348	0.55%	0.069%
60	7.842	995	1004	1009	rBV4	23576	48781	4.22%	0.530%
61	7.895	1009	1013	1016	rVB4	8219	8938	0.77%	0.097%
62	7.948	1016	1022	1028	rBV	802764	739142	64.00%	8.030%
63	7.995	1028	1030	1032	rVB2	12543	8416	0.73%	0.091%
64	8.025	1032	1035	1039	rBV6	9483	13948	1.21%	0.152%
65	8.089	1040	1046	1048	rVV3	16285	18663	1.62%	0.203%
66	8.113	1048	1050	1055	rVV4	16768	19338	1.67%	0.210%
67	8.160	1055	1058	1062	rVV2	14010	18811	1.63%	0.204%
68	8.225	1062	1069	1074	rVV7	11607	30773	2.66%	0.334%
69	8.301	1074	1082	1086	rVB10	10063	19284	1.67%	0.209%
70	8.348	1088	1090	1092	rVV3	5500	6215	0.54%	0.068%
71	8.372	1092	1094	1098	rVB5	6725	5822	0.50%	0.063%
72	8.431	1101	1104	1108	rBV5	4991	9093	0.79%	0.099%
73	8.495	1112	1115	1119	rVB6	11868	13583	1.18%	0.148%
74	8.542	1119	1123	1128	rBV6	32180	43830	3.80%	0.476%
75	8.613	1130	1135	1142	rVB10	11069	29087	2.52%	0.316%
76	8.742	1147	1157	1159	rBV10	9904	20372	1.76%	0.221%
77	8.831	1163	1172	1175	rBV10	10439	28008	2.43%	0.304%
78	8.883	1175	1181	1184	rVV8	5830	11205	0.97%	0.122%
79	8.919	1184	1187	1190	rBV4	16888	16533	1.43%	0.180%
80	8.978	1190	1197	1199	rBV8	13072	29576	2.56%	0.321%
81	9.001	1199	1201	1209	rVB9	13065	19424	1.68%	0.211%
82	9.089	1211	1216	1219	rBV7	18348	33968	2.94%	0.369%
83	9.178	1228	1231	1232	rBV3	12722	10260	0.89%	0.111%
84	9.213	1233	1237	1241	rVV3	13740	18075	1.57%	0.196%
85	9.295	1246	1251	1254	rBV7	10056	19726	1.71%	0.214%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33460.D
Acq On : 10 Sep 2013 11:36 am
Operator : kristinr
Sample : mc24023-7
Misc : OP34724,MSR1218,20.58,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

86	9.413	1267	1271	1276	rBV7	20552	24884	2.15%	0.270%
87	9.460	1276	1279	1280	rBV3	11356	13088	1.13%	0.142%
88	9.483	1280	1283	1287	rVV	20389	26669	2.31%	0.290%
89	9.566	1296	1297	1300	rBV2	12120	9967	0.86%	0.108%
90	9.683	1311	1317	1324	rBV	924717	907700	78.60%	9.861%
91	9.872	1346	1349	1357	rBV9	57520	89807	7.78%	0.976%
92	10.136	1378	1394	1399	rBV9	24821	132877	11.51%	1.444%
93	10.195	1401	1404	1411	rVV9	28238	42237	3.66%	0.459%
94	10.401	1434	1439	1447	rBV10	24654	52410	4.54%	0.569%
95	10.777	1501	1503	1513	rBV4	37401	55608	4.82%	0.604%
96	10.889	1517	1522	1539	rBV	760064	893873	77.40%	9.711%
97	11.160	1565	1568	1598	rBV	50019	209386	18.13%	2.275%
98	11.524	1627	1630	1655	rBV6	74424	164699	14.26%	1.789%
99	12.130	1730	1733	1747	rBV6	64809	75060	6.50%	0.815%
100	12.477	1788	1792	1841	rVB	806887	1154869	100.00%	12.546%

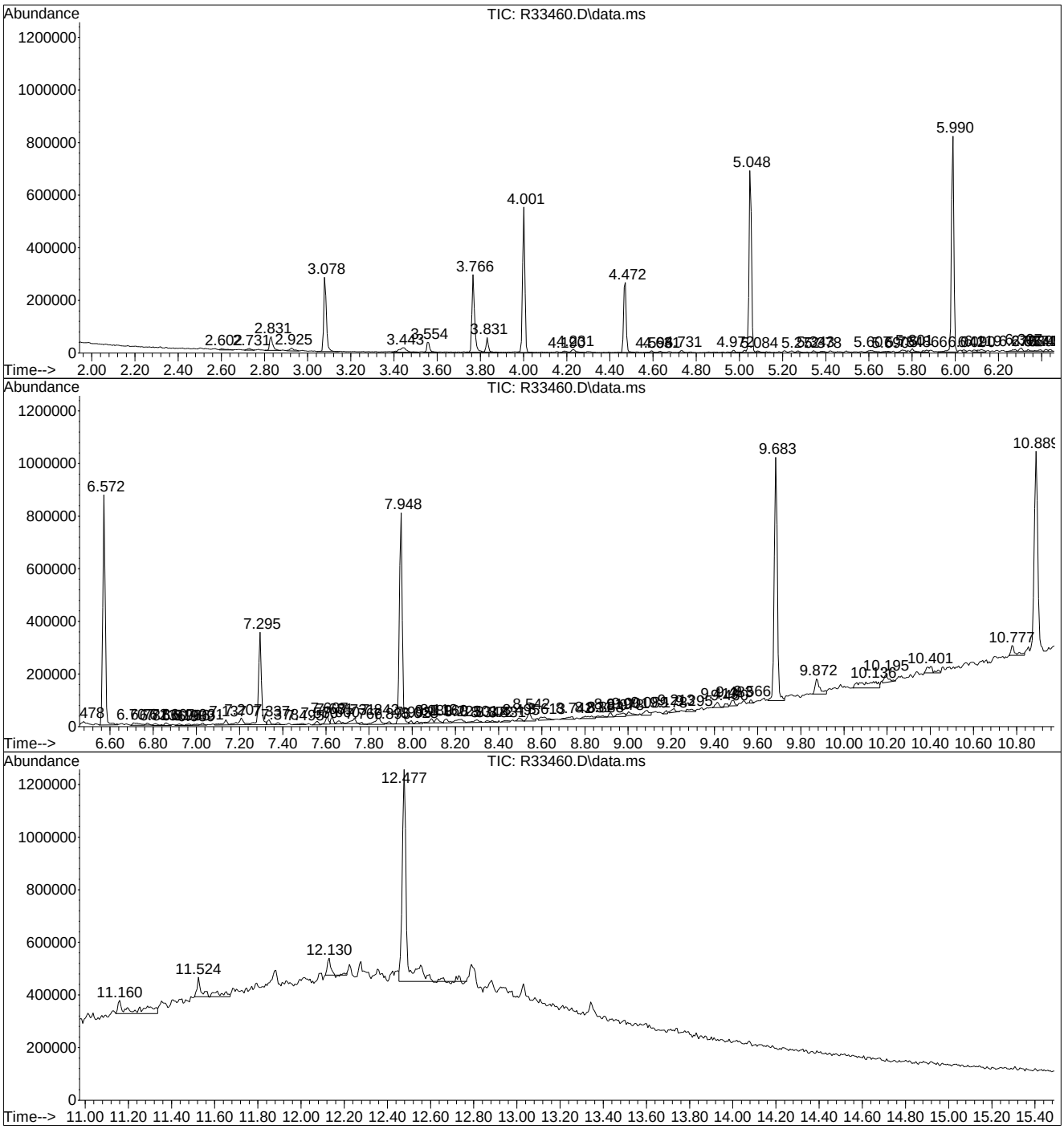
Sum of corrected areas: 9204826

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\R130910\
Data File : R33460.D
Acq On : 10 Sep 2013 11:36 am
Operator : kristinr
Sample : mc24023-7
Misc : OP34724,MSR1218,20.58,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33460.D
Acq On : 10 Sep 2013 11:36 am
Operator : kristinr
Sample : mc24023-7
Misc : OP34724,MSR1218,20.58,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\R130910\
Data File : R33460.D
Acq On : 10 Sep 2013 11:36 am
Operator : kristinr
Sample : mc24023-7
Misc : OP34724,MSR1218,20.58,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33453.D
Acq On : 10 Sep 2013 8:58 am
Operator : kristinr
Sample : op34724-mb
Misc : OP34724,MSR1218,20.21,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 09:19:50 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

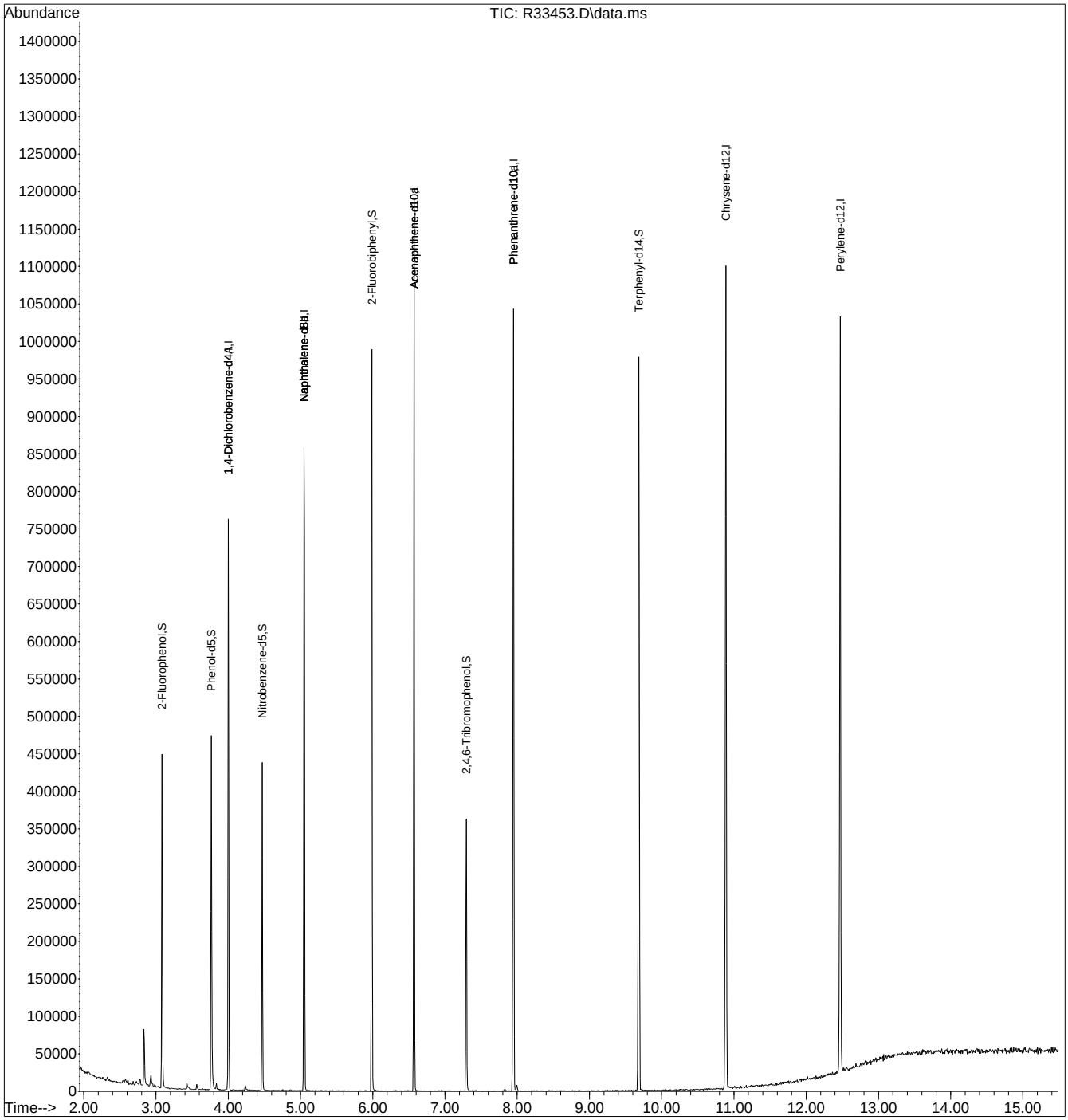
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.001	152	100688	40.00	ppm	-0.10
21) 1,4-Dichlorobenzene-d4A	4.001	152	100688	40.00	PPM	-0.10
23) Naphthalene-d8	5.048	136	357509	40.00	ppm	-0.10
41) Naphthalene-d8a	5.048	136	357509	40.00	ppm	-0.10
43) Acenaphthene-d10	6.572	164	215109	40.00	ppm	-0.11
65) Acenaphthene-d10a	6.572	164	215109	40.00	ppm	-0.11
67) Phenanthrene-d10	7.948	188	374333	40.00	ppm	-0.12
80) Phenanthrene-d10a	7.948	188	374333	40.00	ppm	-0.12
82) Chrysene-d12	10.889	240	392125	40.00	ppm	-0.14
92) Perylene-d12	12.471	264	381698	40.00	ppm	-0.14
100) Naphthalene-d8b	5.048	136	357509	40.00	ug/mL	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	3.084	112	114555	37.53	ppm	-0.13
Spiked Amount 100.000	Range 30 - 130		Recovery = 37.53%			
7) Phenol-d5	3.766	99	143928	37.24	ppm	-0.08
Spiked Amount 100.000	Range 30 - 130		Recovery = 37.24%			
24) Nitrobenzene-d5	4.472	82	113985	33.37	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 66.74%			
48) 2-Fluorobiphenyl	5.990	172	279572	39.07	ppm	-0.11
Spiked Amount 50.000	Range 30 - 130		Recovery = 78.14%			
71) 2,4,6-Tribromophenol	7.295	330	43279	38.59	ppm	-0.12
Spiked Amount 100.000	Range 30 - 130		Recovery = 38.59%			
85) Terphenyl-d14	9.683	244	362908	43.23	ppm	-0.16
Spiked Amount 50.000	Range 30 - 130		Recovery = 86.46%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33453.D
Acq On : 10 Sep 2013 8:58 am
Operator : kristinr
Sample : op34724-mb
Misc : OP34724,MSR1218,20.21,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 09:19:50 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



R130628_8270+.m Thu Sep 12 09:19:57 2013 Page: 2

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33453.D
Acq On : 10 Sep 2013 8:58 am
Operator : kristinr
Sample : op34724-mb
Misc : OP34724,MSR1218,20.21,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

Signal : TIC: R33453.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.260	54	55	63	rVB5	5008	7575	0.70%	0.087%
2	2.325	63	66	93	rVB7	8029	30054	2.78%	0.344%
3	2.543	99	103	106	rVV4	3573	5217	0.48%	0.060%
4	2.578	106	109	112	rVV3	5591	7238	0.67%	0.083%
5	2.613	112	115	119	rVB3	5360	4889	0.45%	0.056%
6	2.684	125	127	130	rVB2	5291	3501	0.32%	0.040%
7	2.731	130	135	139	rVV7	5177	10090	0.93%	0.116%
8	2.778	139	143	149	rVV3	8374	12182	1.13%	0.140%
9	2.831	149	152	165	rVV	76104	77022	7.13%	0.882%
10	2.931	165	169	175	rVV2	16664	20950	1.94%	0.240%
11	2.984	175	178	182	rVV3	3529	3405	0.32%	0.039%
12	3.037	182	187	190	rVB4	2273	4405	0.41%	0.050%
13	3.084	190	195	215	rVB	446098	367143	33.98%	4.205%
14	3.219	215	218	231	rVB3	1710	5319	0.49%	0.061%
15	3.319	231	235	242	rBV2	1399	2599	0.24%	0.030%
16	3.425	249	253	269	rVB2	9134	14418	1.33%	0.165%
17	3.566	272	277	282	rVB2	7174	7224	0.67%	0.083%
18	3.731	303	305	307	rBV3	1158	1144	0.11%	0.013%
19	3.766	307	311	321	rVV	472350	368844	34.13%	4.225%
20	3.837	321	323	326	rVB	7921	5159	0.48%	0.059%
21	4.001	341	351	358	rVV	762030	552456	51.12%	6.328%
22	4.066	358	362	372	rVB2	1042	2113	0.20%	0.024%
23	4.207	381	386	388	rVB2	1040	1339	0.12%	0.015%
24	4.237	388	391	397	rBV3	6276	8076	0.75%	0.093%
25	4.472	425	431	439	rBV	437571	335428	31.04%	3.842%
26	4.684	466	467	473	rVB	1002	1735	0.16%	0.020%
27	4.860	494	497	504	rVB2	1607	2511	0.23%	0.029%
28	5.048	525	529	539	rBV	858968	707774	65.50%	8.107%
29	5.990	684	689	696	rBV	989104	747941	69.22%	8.567%
30	6.301	737	742	743	rVB2	1080	1471	0.14%	0.017%
31	6.319	743	745	747	rBV	1238	1185	0.11%	0.014%
32	6.572	781	788	796	rVB	1188948	873628	80.85%	10.007%
33	7.295	905	911	920	rVB	363180	316628	29.30%	3.627%
34	7.484	940	943	949	rVB2	855	1540	0.14%	0.018%
35	7.684	973	977	979	rBV	959	1158	0.11%	0.013%
36	7.831	992	1002	1004	rBV	2640	3687	0.34%	0.042%
37	7.948	1016	1022	1028	rBV	1043347	914633	84.64%	10.476%
38	7.995	1028	1030	1035	rVB	8205	7511	0.70%	0.086%
39	8.442	1101	1106	1113	rBV2	1371	3071	0.28%	0.035%
40	8.554	1121	1125	1127	rBV2	1183	1473	0.14%	0.017%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33453.D
Acq On : 10 Sep 2013 8:58 am
Operator : kristinr
Sample : op34724-mb
Misc : OP34724,MSR1218,20.21,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

41	8.642	1138	1140	1149	rVB3	587	1487	0.14%	0.017%
42	8.795	1163	1166	1173	rVB2	633	1164	0.11%	0.013%
43	8.866	1176	1178	1180	rBV	1448	1263	0.12%	0.014%
44	8.954	1189	1193	1196	rVB	903	1371	0.13%	0.016%
45	8.978	1196	1197	1204	rBB2	1089	1689	0.16%	0.019%
46	9.031	1204	1206	1208	rBV	1235	1194	0.11%	0.014%
47	9.136	1216	1224	1225	rVB3	946	1747	0.16%	0.020%
48	9.319	1252	1255	1260	rBV	1594	2431	0.22%	0.028%
49	9.366	1260	1263	1265	rVV3	1240	1678	0.16%	0.019%
50	9.383	1265	1266	1271	rVB2	1134	1419	0.13%	0.016%
51	9.495	1284	1285	1288	rBV	1434	1138	0.11%	0.013%
52	9.583	1297	1300	1302	rVB	1638	1306	0.12%	0.015%
53	9.642	1306	1310	1311	rBV	2004	1578	0.15%	0.018%
54	9.683	1311	1317	1325	rVV	978688	961707	89.00%	11.016%
55	9.778	1332	1333	1341	rBV3	925	1824	0.17%	0.021%
56	9.901	1351	1354	1359	rBV	1715	2276	0.21%	0.026%
57	10.048	1378	1379	1384	rVB3	1858	1907	0.18%	0.022%
58	10.119	1384	1391	1395	rBV2	1894	3053	0.28%	0.035%
59	10.201	1395	1405	1409	rVB3	1501	3584	0.33%	0.041%
60	10.230	1409	1410	1413	rBV2	1390	1308	0.12%	0.015%
61	10.342	1425	1429	1435	rVB2	1239	1739	0.16%	0.020%
62	10.401	1438	1439	1444	rVB2	1682	2558	0.24%	0.029%
63	10.448	1444	1447	1448	rBV2	2318	1681	0.16%	0.019%
64	10.478	1448	1452	1455	rVV2	1620	2534	0.23%	0.029%
65	10.536	1460	1462	1464	rBV2	1406	1196	0.11%	0.014%
66	10.601	1469	1473	1475	rBV2	2750	3714	0.34%	0.043%
67	10.642	1478	1480	1483	rBV2	1946	2124	0.20%	0.024%
68	10.719	1490	1493	1494	rBV2	1241	1288	0.12%	0.015%
69	10.754	1498	1499	1510	rVB5	1603	3724	0.34%	0.043%
70	10.830	1510	1512	1514	rVB2	2156	1786	0.17%	0.020%
71	10.889	1514	1522	1528	rBV	1099122	1051255	97.28%	12.041%
72	11.007	1538	1542	1545	rBV3	3416	4532	0.42%	0.052%
73	11.054	1549	1550	1554	rVB4	2144	2183	0.20%	0.025%
74	11.095	1554	1557	1559	rBV2	3561	3547	0.33%	0.041%
75	11.130	1559	1563	1566	rBV3	2278	3982	0.37%	0.046%
76	11.172	1566	1570	1572	rBV	3902	3225	0.30%	0.037%
77	11.242	1572	1582	1583	rVV4	3491	6672	0.62%	0.076%
78	11.313	1589	1594	1600	rBV4	2582	6185	0.57%	0.071%
79	11.354	1600	1601	1605	rVB3	2120	2125	0.20%	0.024%
80	11.389	1605	1607	1611	rBV4	2684	3139	0.29%	0.036%
81	11.442	1611	1616	1621	rVB6	2509	5977	0.55%	0.068%
82	11.513	1621	1628	1638	rBV10	4035	15191	1.41%	0.174%
83	11.583	1638	1640	1641	rVB2	3117	1613	0.15%	0.018%
84	11.648	1647	1651	1652	rBV4	3373	2593	0.24%	0.030%
85	11.666	1653	1654	1658	rVB4	2953	3002	0.28%	0.034%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33453.D
Acq On : 10 Sep 2013 8:58 am
Operator : kristinr
Sample : op34724-mb
Misc : OP34724,MSR1218,20.21,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

86	11.713	1658	1662	1663	rBV3	2889	4086	0.38%	0.047%
87	11.789	1672	1675	1677	rVB4	3298	3429	0.32%	0.039%
88	11.830	1678	1682	1683	rVB4	2010	1905	0.18%	0.022%
89	11.848	1683	1685	1688	rBV4	2932	3789	0.35%	0.043%
90	11.924	1692	1698	1699	rBV6	4162	5239	0.48%	0.060%
91	11.972	1705	1706	1710	rBV4	2779	2231	0.21%	0.026%
92	12.019	1710	1714	1717	rBV6	4644	4995	0.46%	0.057%
93	12.107	1722	1729	1732	rBV7	3677	9178	0.85%	0.105%
94	12.136	1732	1734	1738	rBV5	5672	6882	0.64%	0.079%
95	12.207	1745	1746	1751	rBV5	3964	4795	0.44%	0.055%
96	12.366	1771	1773	1775	rBV3	3743	2126	0.20%	0.024%
97	12.471	1785	1791	1798	rBV	1009391	1080601	100.00%	12.377%
98	12.560	1803	1806	1812	rVB8	4684	7158	0.66%	0.082%
99	12.783	1842	1844	1847	rBV4	4656	5283	0.49%	0.061%
100	12.819	1847	1850	1858	rVV9	5741	12300	1.14%	0.141%

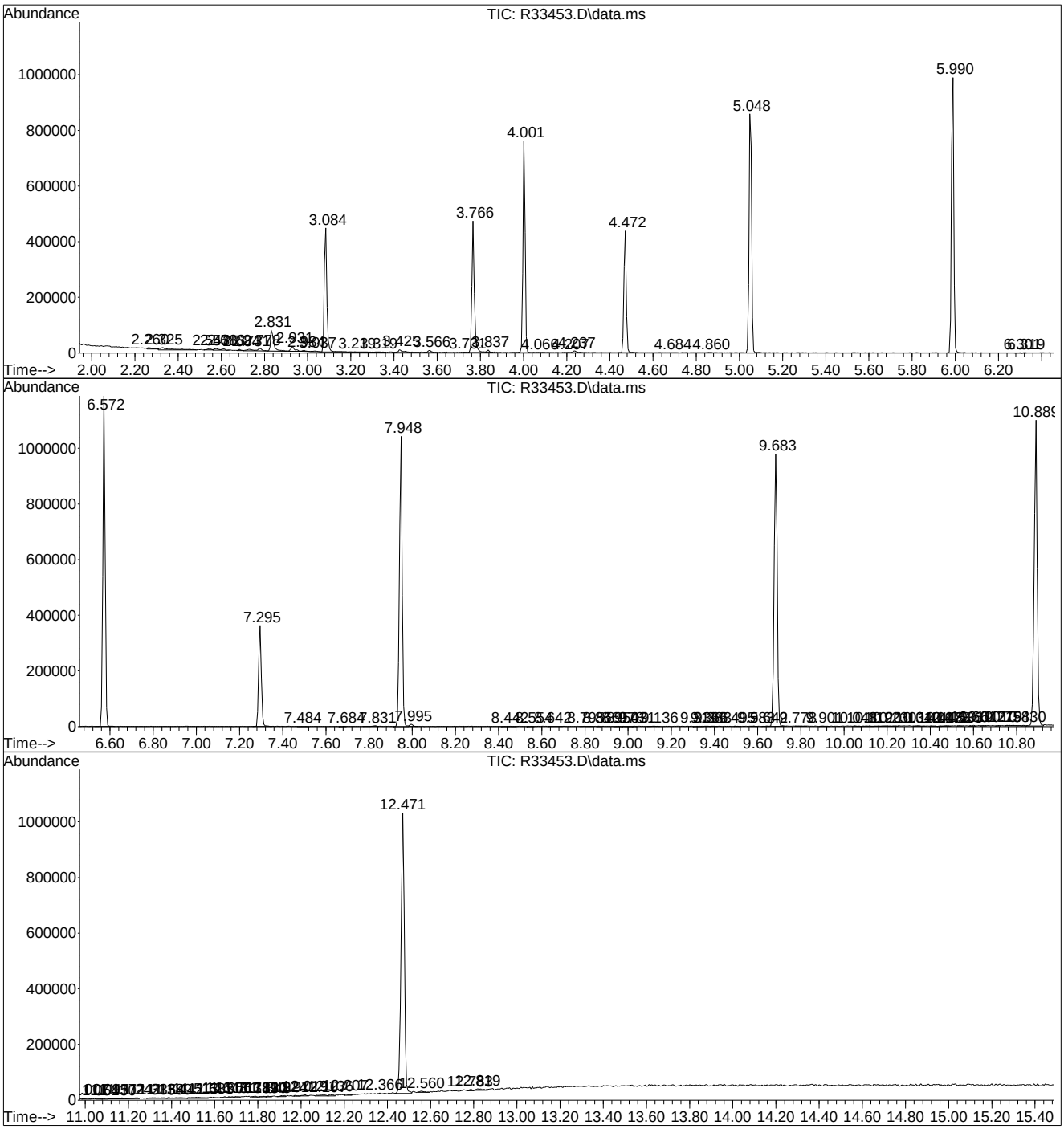
Sum of corrected areas: 8730422

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\R130910\
Data File : R33453.D
Acq On : 10 Sep 2013 8:58 am
Operator : kristinr
Sample : op34724-mb
Misc : OP34724,MSR1218,20.21,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33453.D
Acq On : 10 Sep 2013 8:58 am
Operator : kristinr
Sample : op34724-mb
Misc : OP34724,MSR1218,20.21,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\R130910\
Data File : R33453.D
Acq On : 10 Sep 2013 8:58 am
Operator : kristinr
Sample : op34724-mb
Misc : OP34724,MSR1218,20.21,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 09/12/13 10:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33454.D
Acq On : 10 Sep 2013 9:21 am
Operator : kristinr
Sample : op34724-bs
Misc : OP34724,MSR1218,20.66,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 09:23:03 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.001	152	101780	40.00	ppm	-0.10
21) 1,4-Dichlorobenzene-d4A	4.001	152	101780	40.00	PPM	-0.10
23) Naphthalene-d8	5.054	136	374962	40.00	ppm	-0.10
41) Naphthalene-d8a	5.054	136	374962	40.00	ppm	-0.10
43) Acenaphthene-d10	6.572	164	224751	40.00	ppm	-0.11
65) Acenaphthene-d10a	6.572	164	224751	40.00	ppm	-0.11
67) Phenanthrene-d10	7.948	188	378351	40.00	ppm	-0.12
80) Phenanthrene-d10a	7.948	188	378351	40.00	ppm	-0.12
82) Chrysene-d12	10.895	240	390549	40.00	ppm	-0.13
92) Perylene-d12	12.471	264	387358	40.00	ppm	-0.14
100) Naphthalene-d8b	5.054	136	374962	40.00	ug/mL	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	3.084	112	125430	40.65	ppm	-0.13
Spiked Amount 100.000	Range 30 - 130		Recovery = 40.65%			
7) Phenol-d5	3.766	99	158242	40.51	ppm	-0.08
Spiked Amount 100.000	Range 30 - 130		Recovery = 40.51%			
24) Nitrobenzene-d5	4.472	82	126777	35.38	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 70.76%			
48) 2-Fluorobiphenyl	5.990	172	314435	42.06	ppm	-0.11
Spiked Amount 50.000	Range 30 - 130		Recovery = 84.12%			
71) 2,4,6-Tribromophenol	7.301	330	49569	43.72	ppm	-0.12
Spiked Amount 100.000	Range 30 - 130		Recovery = 43.72%			
85) Terphenyl-d14	9.683	244	397719	47.57	ppm	-0.16
Spiked Amount 50.000	Range 30 - 130		Recovery = 95.14%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.154	74	80779	40.37	ug/l	93
3) Pyridine	2.166	79	119042	32.72	ppm	90
4) Aniline	3.778	93	154337	33.29	ppm #	1
6) bis(2-Chloroethyl)ether	3.819	63	100160	45.50	ppm	92
8) Phenol	3.778	94	176541	45.42	ppm	71
9) 2-Chlorophenol	3.872	128	137847	42.08	ppm	98
10) 1,3-Dichlorobenzene	3.978	146	162629	43.90	ppm	97
11) 1,4-Dichlorobenzene	4.019	146	170656	44.28	ppm	98
12) 1,2-Dichlorobenzene	4.166	146	162656	47.12	ppm	99
13) Benzyl alcohol	4.131	108	93073	44.20	ppm	95
14) bis(2-chloroisopropyl)...	4.248	45	203238	54.07	ppm	99
15) o-cresol	4.243	108	127619	45.29	ppm	82
16) Acetophenone	4.343	105	201873	43.40	ppm	99
17) Hexachloroethane	4.413	117	59714	41.54	ppm	82
18) N-Nitroso-di-n-propyla...	4.366	70	95843	43.86	ppm	90
19) m+p-cresols	4.360	108	254886m	82.59	ppm	
20) 4-methylphenol	4.360	108	254921m	82.61	ppm	
22) Benzaldehyde	3.672	77	43589m	17.36	ppm	
25) Nitrobenzene	4.490	77	146972	40.62	ppm	97
26) Isophorone	4.678	82	267903	44.47	ppm	96
27) 2-Nitrophenol	4.754	139	75657	43.90	ppm	90
28) 2,4-Dimethylphenol	4.790	107	125554	39.31	ppm	98
29) bis(2-Chloroethoxy)met...	4.860	93	176668	48.63	ppm	98
30) Benzoic acid	4.895	105	104030	44.08	ppm	94
31) 2,4-Dichlorophenol	4.954	162	125256	44.51	ppm	97
32) 1,2,4-Trichlorobenzene	5.019	180	155302	49.59	ppm	96
33) Naphthalene	5.072	128	614011	62.77	ppm	97
34) 2,6-Dichlorophenol	5.143	162	121737	43.67	ppm	97
35) 4-Chloroaniline	5.137	127	159712	39.33	ppm	100
36) Hexachlorobutadiene	5.219	225	87869	44.98	ppm	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33454.D
Acq On : 10 Sep 2013 9:21 am
Operator : kristinr
Sample : op34724-bs
Misc : OP34724,MSR1218,20.66,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 09:23:03 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

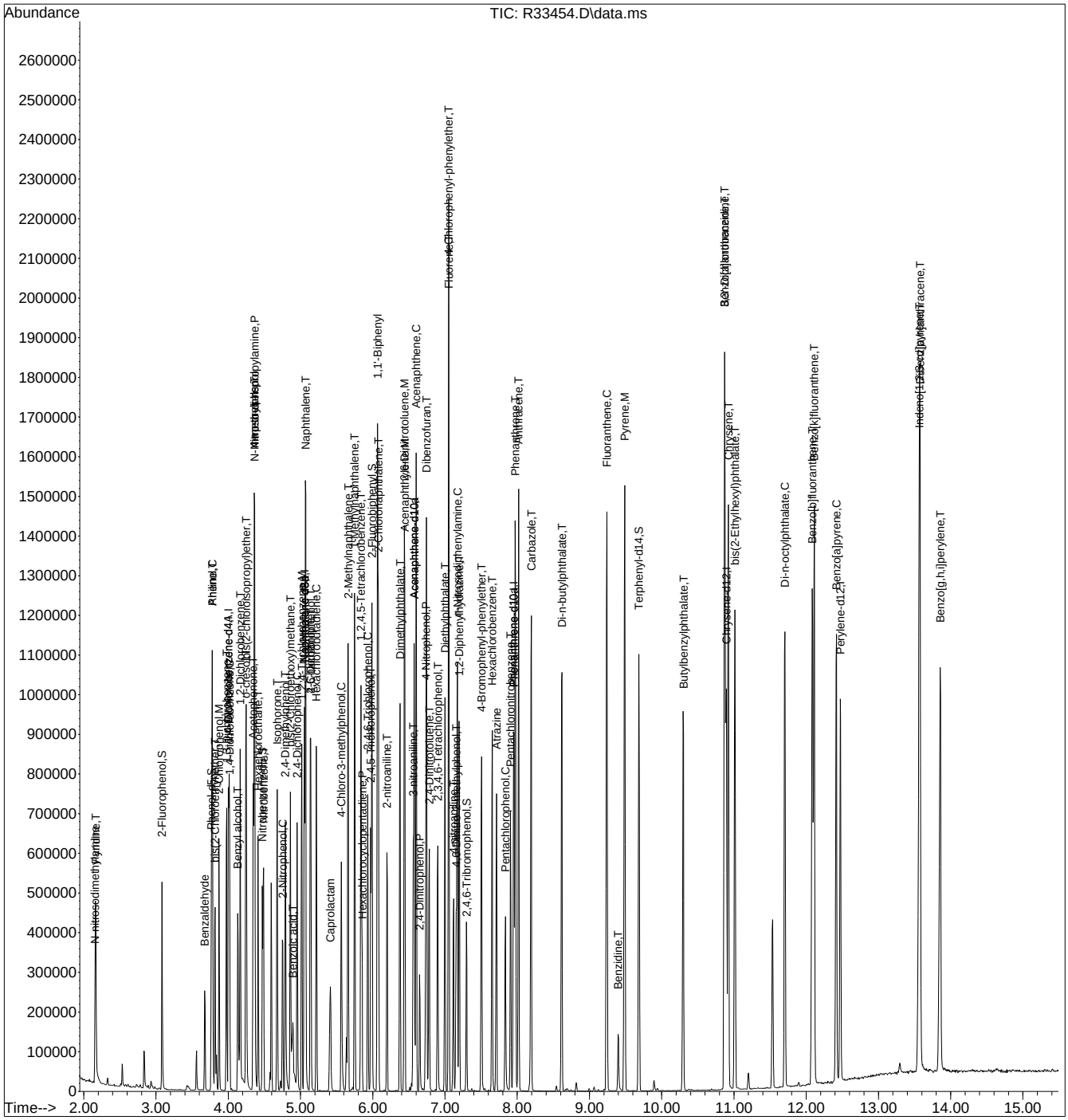
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Chloro-3-methylphenol	5.566	107	112712	41.51	ppm		98
38) 2-Methylnaphthalene	5.660	142	313856	45.73	ppm		96
39) 1-Methylnaphthalene	5.748	142	304894m	45.73	ppm		
40) 1,2,4,5-Tetrachloroben...	5.837	216	166291	45.82	ppm		99
42) Caprolactam	5.413	55	63859m	43.59	ppm		
44) Pentachloronitrobenzene	7.907	237	47359m	49.61	ppm		
45) Hexachlorocyclopentadiene	5.854	237	55004	25.00	ppm		97
46) 2,4,6-Trichlorophenol	5.931	196	97357	46.69	ppm		99
47) 2,4,5-Trichlorophenol	5.972	196	107659	48.99	ppm		95
49) 2-Chloronaphthalene	6.078	162	317985	53.00	ppm		97
50) Acenaphthylene	6.442	152	417769	42.79	ppm		98
51) Dimethylphthalate	6.378	163	376724	54.93	ppm		99
52) 2,4-Dinitrotoluene	6.784	165	118538	57.40	ppm		92
53) Acenaphthene	6.601	153	327174	51.80	ppm		97
54) 2,4-Dinitrophenol	6.648	184	47464	44.26	ppm		97
55) Dibenzofuran	6.742	168	455445	50.92	ppm		92
56) 2,6-Dinitrotoluene	6.437	165	87830	56.16	ppm		93
57) 4-Nitrophenol	6.737	65	48064	35.25	ppm	#	1
58) 2,3,4,6-Tetrachlorophenol	6.901	232	84111	44.78	ppm		97
59) Fluorene	7.054	166	386983	53.80	ppm		98
60) 4-Chlorophenyl-phenyle...	7.048	204	191307	54.48	ppm		99
61) Diethylphthalate	7.001	149	371716	54.42	ppm		98
62) 2-nitroaniline	6.195	138	115018	60.22	ppm		92
63) 3-nitroaniline	6.560	138	82120	48.29	ppm		94
64) 4-nitroaniline	7.119	138	91450	54.31	ppm		89
66) 1,1'-Biphenyl	6.066	154	398637	48.55	ppm	#	100
68) 4,6-Dinitro-2-methylph...	7.154	198	70146	49.65	ppm		100
69) n-Nitrosodiphenylamine	7.172	169	263846	53.49	ppm		99
70) 1,2-Diphenylhydrazine	7.195	77	312429	48.71	ppm		99
72) 4-Bromophenyl-phenylether	7.507	248	117449	57.52	ppm		90
73) Hexachlorobenzene	7.654	284	123607	53.51	ppm		94
74) Pentachlorophenol	7.836	266	60076	40.10	ppm		97
75) Phenanthrene	7.972	178	580695	56.81	ppm		99
76) Anthracene	8.019	178	577849	55.10	ppm		100
77) Carbazole	8.195	167	540249	57.81	ppm		98
78) Di-n-butylphthalate	8.619	149	641419	56.70	ppm		98
79) Fluoranthene	9.242	202	657812	60.99	ppm		96
81) Atrazine	7.713	200	92186m	49.81	ppm		
83) Benzidine	9.395	184	65762	18.39	ppm		99
84) Pyrene	9.489	202	657317m	58.89	ppm		
87) Butylbenzylphthalate	10.301	149	278695	60.36	ppm		93
88) 3,3'-Dichlorobenzidine	10.872	252	139760	34.57	ppm		96
89) Benzo[a]anthracene	10.872	228	629800	62.38	ppm		100
90) Chrysene	10.924	228	590282	58.79	ppm		99
91) bis(2-Ethylhexyl)phtha...	11.013	149	405576	58.41	ppm		99
93) Di-n-octylphthalate	11.707	149	705570	60.26	ppm		99
94) Benzo[b]fluoranthene	12.083	252	722376	65.07	ppm		98
95) Benzo[k]fluoranthene	12.113	252	529867	48.98	ppm		99
96) Benzo[a]pyrene	12.419	252	519392	53.09	ppm		99
97) Indeno[1,2,3-cd]pyrene	13.565	276	701998	57.48	ppm		100
98) Dibenz[a,h]anthracene	13.577	278	576842m	58.49	ppm		
99) Benzo[g,h,i]perylene	13.854	276	587993	57.98	ppm		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33454.D
Acq On : 10 Sep 2013 9:21 am
Operator : kristinr
Sample : op34724-bs
Misc : OP34724,MSR1218,20.66,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 09:23:03 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24023

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 09/12/13 10:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33455.D
Acq On : 10 Sep 2013 9:43 am
Operator : kristinr
Sample : op34724-ms
Misc : OP34724,MSR1218,20.45,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 09:31:42 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.001	152	104272	40.00	ppm	-0.10
21) 1,4-Dichlorobenzene-d4A	4.001	152	104272	40.00	PPM	-0.10
23) Naphthalene-d8	5.054	136	382497	40.00	ppm	-0.10
41) Naphthalene-d8a	5.054	136	382497	40.00	ppm	-0.10
43) Acenaphthene-d10	6.572	164	233844	40.00	ppm	-0.11
65) Acenaphthene-d10a	6.572	164	233844	40.00	ppm	-0.11
67) Phenanthrene-d10	7.948	188	389667	40.00	ppm	-0.12
80) Phenanthrene-d10a	7.948	188	389667	40.00	ppm	-0.12
82) Chrysene-d12	10.895	240	405013	40.00	ppm	-0.13
92) Perylene-d12	12.471	264	385697	40.00	ppm	-0.14
100) Naphthalene-d8b	5.054	136	382497	40.00	ug/mL	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	3.084	112	115509	36.54	ppm	-0.13
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.54%			
7) Phenol-d5	3.766	99	145819	36.43	ppm	-0.08
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.43%			
24) Nitrobenzene-d5	4.472	82	118102	32.31	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 64.62%			
48) 2-Fluorobiphenyl	5.989	172	295325	37.96	ppm	-0.11
Spiked Amount 50.000	Range 30 - 130		Recovery = 75.92%			
71) 2,4,6-Tribromophenol	7.301	330	47715	40.87	ppm	-0.12
Spiked Amount 100.000	Range 30 - 130		Recovery = 40.87%			
85) Terphenyl-d14	9.683	244	409531	47.24	ppm	-0.16
Spiked Amount 50.000	Range 30 - 130		Recovery = 94.48%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.154	74	74328	36.26	ug/l	94
3) Pyridine	2.160	79	104784	28.11	ppm	83
4) Aniline	3.778	93	120243	25.32	ppm #	1
6) bis(2-Chloroethyl)ether	3.819	63	93090	41.28	ppm	91
8) Phenol	3.778	94	163927	41.17	ppm	76
9) 2-Chlorophenol	3.872	128	126225	37.61	ppm	98
10) 1,3-Dichlorobenzene	3.978	146	149212	39.31	ppm	100
11) 1,4-Dichlorobenzene	4.013	146	159446	40.39	ppm	96
12) 1,2-Dichlorobenzene	4.166	146	149317	42.23	ppm	99
13) Benzyl alcohol	4.131	108	89313	41.40	ppm	93
14) bis(2-chloroisopropyl)...	4.248	45	187550	48.71	ppm	98
15) o-cresol	4.242	108	115807	40.12	ppm	77
16) Acetophenone	4.342	105	188682	39.60	ppm	99
17) Hexachloroethane	4.413	117	54642	37.10	ppm	83
18) N-Nitroso-di-n-propyla...	4.366	70	90283	40.33	ppm	92
19) m+p-cresols	4.360	108	238535m	75.44	ppm	
20) 4-methylphenol	4.360	108	238804m	75.54	ppm	
22) Benzaldehyde	3.672	77	41168m	16.00	ppm	
25) Nitrobenzene	4.490	77	136020	36.86	ppm	90
26) Isophorone	4.678	82	250488	40.76	ppm	95
27) 2-Nitrophenol	4.748	139	70800	40.28	ppm	96
28) 2,4-Dimethylphenol	4.790	107	105171	32.28	ppm	97
29) bis(2-Chloroethoxy)met...	4.860	93	160505	43.31	ppm	99
30) Benzoic acid	4.872	105	25398	14.21	ppm	91
31) 2,4-Dichlorophenol	4.954	162	118755	41.37	ppm	97
32) 1,2,4-Trichlorobenzene	5.019	180	142513	44.61	ppm	98
33) Naphthalene	5.072	128	571961	57.32	ppm	97
34) 2,6-Dichlorophenol	5.142	162	112567	39.58	ppm	96
35) 4-Chloroaniline	5.137	127	146696	35.41	ppm	100
36) Hexachlorobutadiene	5.219	225	82779	41.54	ppm	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33455.D
Acq On : 10 Sep 2013 9:43 am
Operator : kristinr
Sample : op34724-ms
Misc : OP34724,MSR1218,20.45,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 09:31:42 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

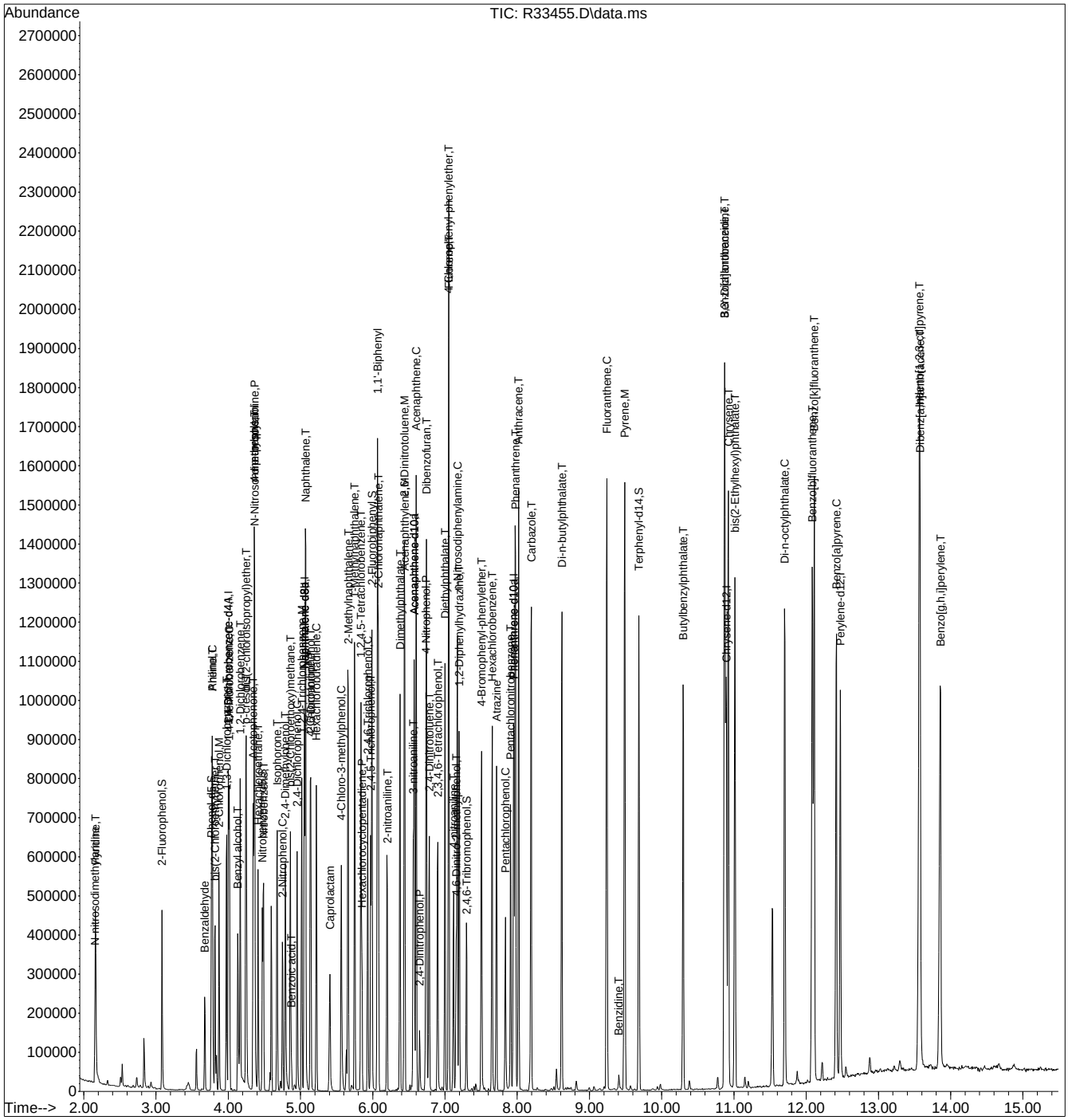
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Chloro-3-methylphenol	5.566	107	111466	40.24	ppm		97
38) 2-Methylnaphthalene	5.660	142	293270	41.89	ppm		95
39) 1-Methylnaphthalene	5.748	142	287050m	42.21	ppm		
40) 1,2,4,5-Tetrachloroben...	5.837	216	154930	41.85	ppm		98
42) Caprolactam	5.407	55	58051m	39.04	ppm		
44) Pentachloronitrobenzene	7.907	237	47496	47.82	ppm		96
45) Hexachlorocyclopentadiene	5.848	237	49115	21.45	ppm		94
46) 2,4,6-Trichlorophenol	5.931	196	93854	43.26	ppm		99
47) 2,4,5-Trichlorophenol	5.972	196	108100	47.28	ppm		97
49) 2-Chloronaphthalene	6.078	162	304509	48.78	ppm		97
50) Acenaphthylene	6.442	152	394713	38.86	ppm		98
51) Dimethylphthalate	6.378	163	373352	52.32	ppm		99
52) 2,4-Dinitrotoluene	6.784	165	124946	58.15	ppm		89
53) Acenaphthene	6.601	153	319066	48.55	ppm		97
54) 2,4-Dinitrophenol	6.648	184	23261	20.85	ppm		92
55) Dibenzofuran	6.742	168	444810	47.80	ppm		91
56) 2,6-Dinitrotoluene	6.436	165	87874	54.00	ppm		92
57) 4-Nitrophenol	6.736	65	53681	37.84	ppm	#	1
58) 2,3,4,6-Tetrachlorophenol	6.901	232	87518	44.78	ppm		97
59) Fluorene	7.054	166	389928	52.10	ppm		97
60) 4-Chlorophenyl-phenyle...	7.048	204	186954	51.17	ppm		98
61) Diethylphthalate	7.001	149	384377	54.08	ppm		98
62) 2-nitroaniline	6.201	138	111063	55.89	ppm		95
63) 3-nitroaniline	6.560	138	86096	48.66	ppm		90
64) 4-nitroaniline	7.119	138	92408	52.75	ppm		92
66) 1,1'-Biphenyl	6.066	154	376352	44.05	ppm	#	100
68) 4,6-Dinitro-2-methylph...	7.154	198	59881	41.78	ppm		100
69) n-Nitrosodiphenylamine	7.172	169	271504	53.44	ppm		99
70) 1,2-Diphenylhydrazine	7.195	77	317227	48.02	ppm		100
72) 4-Bromophenyl-phenylether	7.507	248	115225	54.79	ppm		92
73) Hexachlorobenzene	7.654	284	127523	53.60	ppm		93
74) Pentachlorophenol	7.836	266	57729	37.42	ppm		99
75) Phenanthrene	7.978	178	618070	58.71	ppm		99
76) Anthracene	8.019	178	600462	55.59	ppm		99
77) Carbazole	8.195	167	566789	58.89	ppm		98
78) Di-n-butylphthalate	8.619	149	672170	57.69	ppm		99
79) Fluoranthene	9.242	202	682226	61.42	ppm		97
81) Atrazine	7.713	200	97790m	51.31	ppm		
83) Benzidine	9.401	184	5818m	1.57	ppm		
84) Pyrene	9.489	202	689747	59.59	ppm		98
87) Butylbenzylphthalate	10.295	149	289735	60.51	ppm		98
88) 3,3'-Dichlorobenzidine	10.871	252	132071	31.68	ppm		99
89) Benzo[a]anthracene	10.871	228	645693	61.67	ppm		99
90) Chrysene	10.924	228	606281	58.23	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.013	149	421109	58.48	ppm		99
93) Di-n-octylphthalate	11.701	149	727413	62.22	ppm		100
94) Benzo[b]fluoranthene	12.083	252	746205	67.50	ppm		99
95) Benzo[k]fluoranthene	12.113	252	544940	50.59	ppm		99
96) Benzo[a]pyrene	12.418	252	534617	54.88	ppm		99
97) Indeno[1,2,3-cd]pyrene	13.565	276	715261	58.82	ppm		99
98) Dibenz[a,h]anthracene	13.577	278	587595m	59.84	ppm		
99) Benzo[g,h,i]perylene	13.860	276	602113	59.62	ppm		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33455.D
Acq On : 10 Sep 2013 9:43 am
Operator : kristinr
Sample : op34724-ms
Misc : OP34724,MSR1218,20.45,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 09:31:42 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 09/12/13 10:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33456.D
Acq On : 10 Sep 2013 10:06 am
Operator : kristinr
Sample : op34724-msd
Misc : OP34724,MSR1218,20.19,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 09:31:28 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.001	152	108041	40.00	ppm	-0.10
21) 1,4-Dichlorobenzene-d4A	4.001	152	108041	40.00	PPM	-0.10
23) Naphthalene-d8	5.054	136	391413	40.00	ppm	-0.10
41) Naphthalene-d8a	5.054	136	391413	40.00	ppm	-0.10
43) Acenaphthene-d10	6.572	164	237496	40.00	ppm	-0.11
65) Acenaphthene-d10a	6.572	164	237496	40.00	ppm	-0.11
67) Phenanthrene-d10	7.948	188	393710	40.00	ppm	-0.12
80) Phenanthrene-d10a	7.948	188	393710	40.00	ppm	-0.12
82) Chrysene-d12	10.895	240	417916	40.00	ppm	-0.13
92) Perylene-d12	12.471	264	399640	40.00	ppm	-0.14
100) Naphthalene-d8b	5.054	136	391413	40.00	ug/mL	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	3.084	112	120163	36.69	ppm	-0.13
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.69%			
7) Phenol-d5	3.766	99	153176	36.94	ppm	-0.08
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.94%			
24) Nitrobenzene-d5	4.472	82	121972	32.61	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 65.22%			
48) 2-Fluorobiphenyl	5.989	172	304422	38.53	ppm	-0.11
Spiked Amount 50.000	Range 30 - 130		Recovery = 77.06%			
71) 2,4,6-Tribromophenol	7.295	330	47809	40.53	ppm	-0.12
Spiked Amount 100.000	Range 30 - 130		Recovery = 40.53%			
85) Terphenyl-d14	9.683	244	393146	43.95	ppm	-0.16
Spiked Amount 50.000	Range 30 - 130		Recovery = 87.90%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.154	74	79070	37.23	ug/l	99
3) Pyridine	2.160	79	109162	28.26	ppm	87
4) Aniline	3.778	93	130069	26.43	ppm #	1
6) bis(2-Chloroethyl)ether	3.813	63	99971	42.78	ppm	83
8) Phenol	3.778	94	167944	40.70	ppm	77
9) 2-Chlorophenol	3.872	128	132805	38.19	ppm	99
10) 1,3-Dichlorobenzene	3.978	146	163090	41.47	ppm	98
11) 1,4-Dichlorobenzene	4.013	146	166887	40.80	ppm	100
12) 1,2-Dichlorobenzene	4.166	146	161202	44.00	ppm	98
13) Benzyl alcohol	4.131	108	89799	40.17	ppm	89
14) bis(2-chloroisopropyl)...	4.248	45	199378	49.97	ppm	99
15) o-cresol	4.242	108	118848	39.74	ppm	81
16) Acetophenone	4.342	105	197004	39.90	ppm	99
17) Hexachloroethane	4.413	117	58008	38.01	ppm	83
18) N-Nitroso-di-n-propyla...	4.366	70	97002	41.82	ppm	93
19) m+p-cresols	4.360	108	240147m	73.30	ppm	
20) 4-methylphenol	4.360	108	240662m	73.47	ppm	
22) Benzaldehyde	3.672	77	44126m	16.55	ppm	
25) Nitrobenzene	4.490	77	142109	37.63	ppm	98
26) Isophorone	4.678	82	257834	41.00	ppm	95
27) 2-Nitrophenol	4.754	139	72310	40.20	ppm	89
28) 2,4-Dimethylphenol	4.790	107	108011	32.40	ppm	96
29) bis(2-Chloroethoxy)met...	4.860	93	171588	45.24	ppm	98
30) Benzoic acid	4.872	105	22625	12.99	ppm	94
31) 2,4-Dichlorophenol	4.954	162	118227	40.25	ppm	97
32) 1,2,4-Trichlorobenzene	5.019	180	153885	47.07	ppm	98
33) Naphthalene	5.072	128	600713	58.83	ppm	98
34) 2,6-Dichlorophenol	5.142	162	116147	39.91	ppm	98
35) 4-Chloroaniline	5.137	127	155596	36.71	ppm	100
36) Hexachlorobutadiene	5.219	225	88731	43.51	ppm	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33456.D
Acq On : 10 Sep 2013 10:06 am
Operator : kristinr
Sample : op34724-msd
Misc : OP34724,MSR1218,20.19,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 09:31:28 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

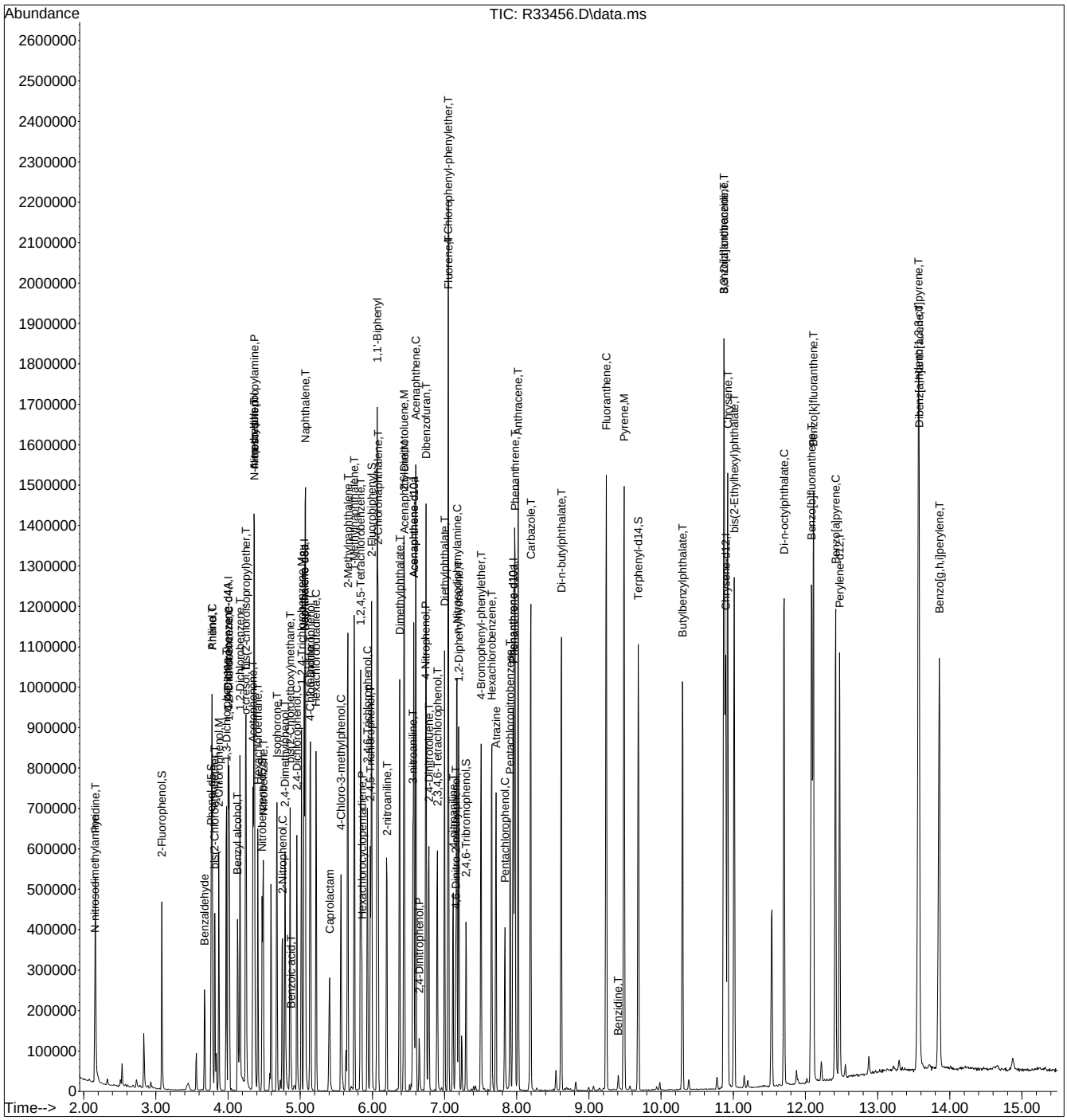
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Chloro-3-methylphenol	5.566	107	109402	38.60	ppm		95
38) 2-Methylnaphthalene	5.660	142	306071	42.72	ppm		98
39) 1-Methylnaphthalene	5.748	142	301616m	43.34	ppm		
40) 1,2,4,5-Tetrachloroben...	5.837	216	165112	43.58	ppm		99
42) Caprolactam	5.407	55	54657m	36.06	ppm		
44) Pentachloronitrobenzene	7.907	237	45899	45.50	ppm		97
45) Hexachlorocyclopentadiene	5.854	237	54450	23.42	ppm		96
46) 2,4,6-Trichlorophenol	5.931	196	91648	41.59	ppm		99
47) 2,4,5-Trichlorophenol	5.972	196	99652	42.91	ppm		99
49) 2-Chloronaphthalene	6.078	162	315208	49.72	ppm		97
50) Acenaphthylene	6.442	152	406433	39.40	ppm		100
51) Dimethylphthalate	6.378	163	371068	51.20	ppm		99
52) 2,4-Dinitrotoluene	6.784	165	119251	54.64	ppm		91
53) Acenaphthene	6.601	153	318167	47.67	ppm		96
54) 2,4-Dinitrophenol	6.648	184	21096	18.62	ppm		95
55) Dibenzofuran	6.742	168	450275	47.65	ppm		93
56) 2,6-Dinitrotoluene	6.436	165	82215	49.75	ppm		91
57) 4-Nitrophenol	6.736	65	47036	32.65	ppm	#	1
58) 2,3,4,6-Tetrachlorophenol	6.901	232	79369	39.99	ppm		99
59) Fluorene	7.054	166	377760	49.70	ppm		99
60) 4-Chlorophenyl-phenyle...	7.048	204	183978	49.58	ppm		96
61) Diethylphthalate	7.001	149	374157	51.83	ppm		98
62) 2-nitroaniline	6.201	138	112143	55.57	ppm		94
63) 3-nitroaniline	6.560	138	83888	46.68	ppm		94
64) 4-nitroaniline	7.119	138	90305	50.76	ppm		90
66) 1,1'-Biphenyl	6.066	154	391254	45.09	ppm	#	100
68) 4,6-Dinitro-2-methylph...	7.154	198	52425	36.69	ppm		100
69) n-Nitrosodiphenylamine	7.172	169	260953	50.84	ppm		99
70) 1,2-Diphenylhydrazine	7.195	77	305728	45.80	ppm		98
72) 4-Bromophenyl-phenylether	7.507	248	115091	54.17	ppm		90
73) Hexachlorobenzene	7.654	284	120614	50.18	ppm		94
74) Pentachlorophenol	7.836	266	52453	33.65	ppm		98
75) Phenanthrene	7.978	178	580037	54.54	ppm		100
76) Anthracene	8.019	178	576969	52.87	ppm		99
77) Carbazole	8.195	167	540181	55.55	ppm		99
78) Di-n-butylphthalate	8.619	149	643775	54.69	ppm		99
79) Fluoranthene	9.242	202	650843	57.99	ppm		97
81) Atrazine	7.713	200	91311m	47.42	ppm		
83) Benzidine	9.401	184	5196m	1.36	ppm		
84) Pyrene	9.489	202	666691	55.82	ppm		96
87) Butylbenzylphthalate	10.295	149	278965	56.46	ppm		99
88) 3,3'-Dichlorobenzidine	10.871	252	134414	31.27	ppm		98
89) Benzo[a]anthracene	10.871	228	634701	58.75	ppm		100
90) Chrysene	10.924	228	590750	54.98	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.013	149	411131	55.43	ppm		100
93) Di-n-octylphthalate	11.707	149	709019	58.82	ppm		100
94) Benzo[b]fluoranthene	12.083	252	724351	63.24	ppm		99
95) Benzo[k]fluoranthene	12.113	252	531361	47.61	ppm		98
96) Benzo[a]pyrene	12.418	252	519174	51.44	ppm		99
97) Indeno[1,2,3-cd]pyrene	13.565	276	702236	55.73	ppm		97
98) Dibenz[a,h]anthracene	13.577	278	577150m	56.73	ppm		
99) Benzo[g,h,i]perylene	13.854	276	590717	56.45	ppm		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33456.D
Acq On : 10 Sep 2013 10:06 am
Operator : kristinr
Sample : op34724-msd
Misc : OP34724,MSR1218,20.19,,,1,1
ALS Vial : 4 Sample Multiplier: 1

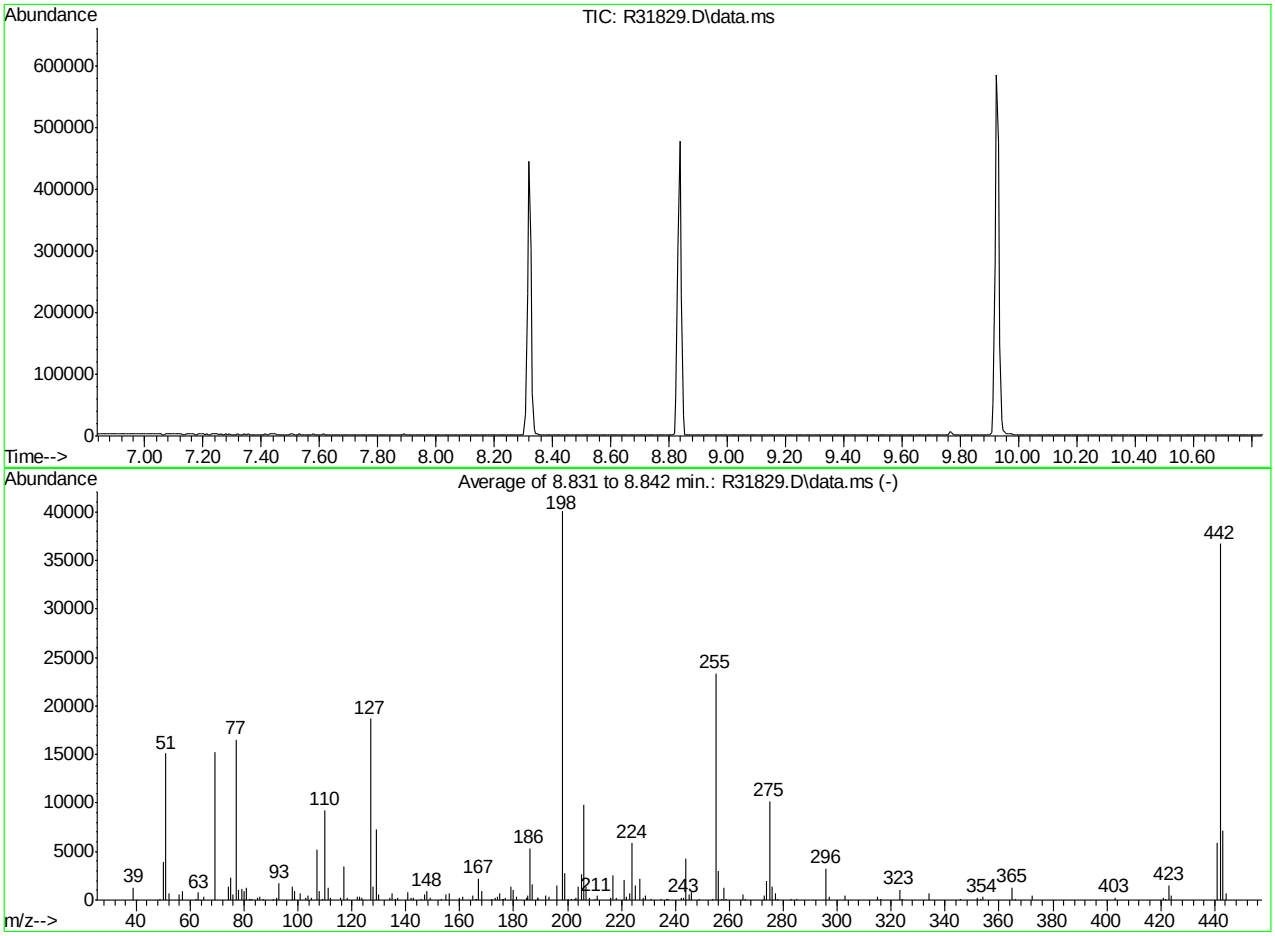
Quant Time: Sep 12 09:31:28 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



DFTPP

Data File : C:\msdchem\1\data\R130628\R31829.D Vial: 99
Acq On : 28 Jun 2013 7:25 pm Operator: kristinr
Sample : DFTPP Inst : MSR
Misc : op33699,msr1159,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\2\METHODS\DFTPP.m (RTE Integrator)
Title : DFTPP and Tune Evaluation



Spectrum Information: Average of 8.831 to 8.842 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.7	15081	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	38.1	15275	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	46.7	18690	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	40043	PASS
199	198	5	9	6.8	2731	PASS
275	198	10	30	25.4	10188	PASS
365	198	1	100	3.2	1276	PASS
441	443	0.01	100	81.2	5840	PASS
442	198	40	100	91.6	36685	PASS
443	442	17	23	19.6	7191	PASS

R31829.D DFTPP.m Mon Jul 08 17:11:43 2013

Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
39.05	1310	69.00	15275	83.00	125	103.90	469
39.90	15	74.05	1364	84.85	232	104.95	253
48.90	101	75.05	2357	85.95	324	107.00	5237
50.00	3927	76.00	571	87.00	105	107.95	955
51.05	15081	77.10	16543	90.90	154	109.20	107
52.00	693	78.05	1013	92.05	225	110.00	9249
55.95	591	79.00	1106	92.95	1738	111.00	1323
56.95	934	80.00	876	97.95	1365	112.05	277
62.00	99	80.95	1229	98.90	926	115.95	235
63.00	765	81.90	169	101.00	672	117.00	3481
64.90	319	82.10	85	102.85	208	118.05	267

Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
122.00	382	140.90	858	161.00	320	176.10	124
122.95	355	141.95	229	165.00	454	176.95	278
123.85	237	142.95	238	166.00	107	179.00	1443
127.00	18690	145.90	92	166.20	129	179.95	1037
128.00	1429	146.90	558	167.00	2217	180.95	323
129.00	7300	147.95	942	168.00	972	184.80	190
130.00	541	148.95	231	171.90	85	185.05	515
134.00	227	153.00	110	173.00	208	186.00	5361
135.00	655	155.05	576	173.85	342	187.05	1660
136.10	120	156.05	672	175.00	683	188.90	210
136.95	198	159.95	253	175.90	85	189.10	186

Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
192.00	455	206.10	9769	222.95	673	243.05	259
193.00	375	207.00	1406	224.00	5859	244.00	4258
196.00	1497	208.00	232	225.05	1455	245.00	623
198.00	40043	210.00	130	226.95	2227	245.95	851
198.90	2731	210.95	422	228.05	270	249.00	161
200.00	152	216.05	231	228.95	492	253.80	95
201.30	121	217.00	2552	231.00	91	255.00	23355
202.70	91	218.00	274	234.80	116	256.00	3050
203.00	286	221.00	2085	236.80	114	257.00	142
204.00	1371	221.70	350	237.00	86	257.95	1267
205.00	2672	221.90	95	242.05	234	258.90	88

Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

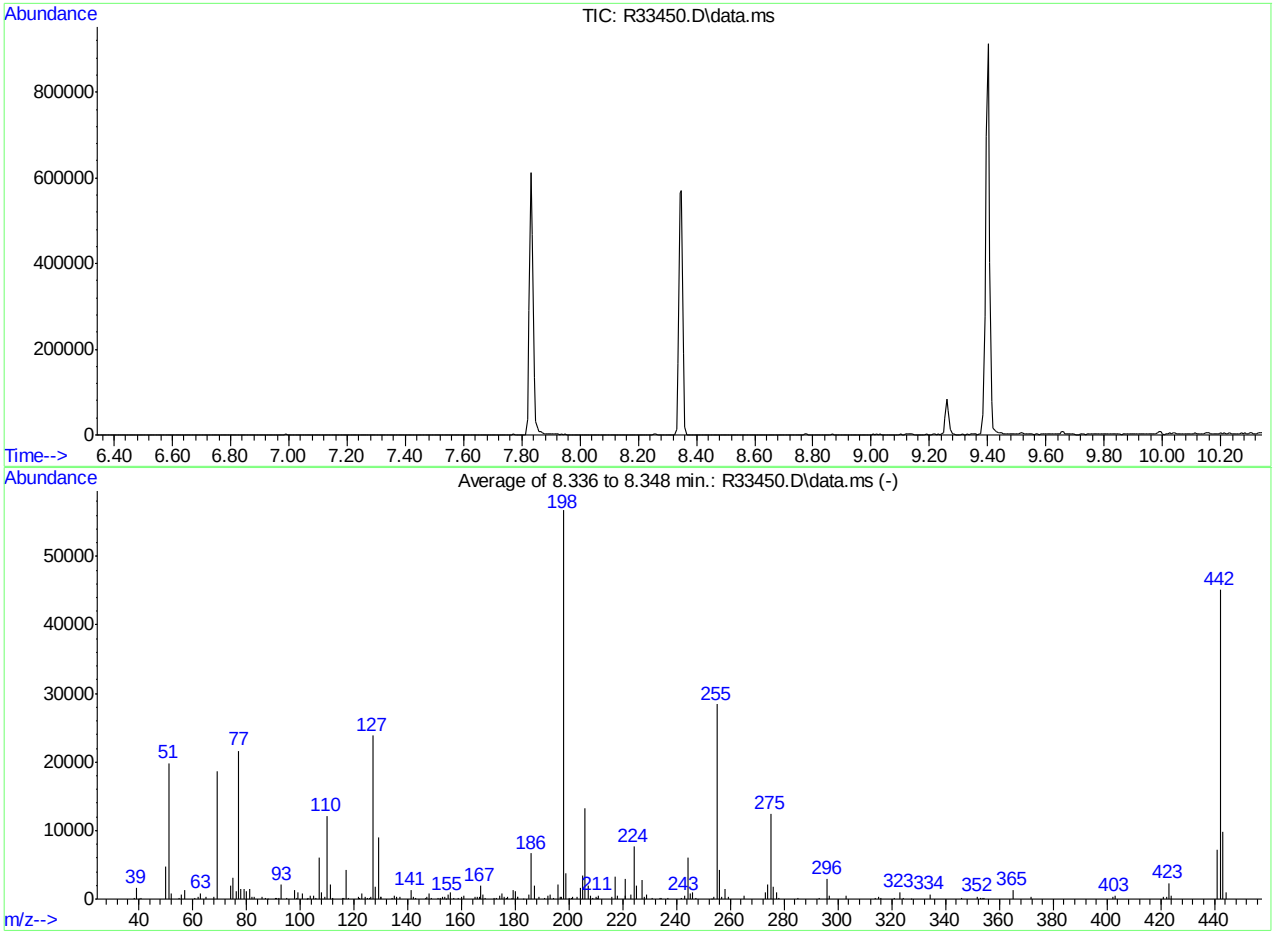
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
264.95	560	296.00	3253	353.95	300	443.00	7191
266.00	87	297.00	359	364.95	1276	444.05	691
272.90	164	303.00	453	366.00	95		
273.05	518	315.00	388	372.10	514		
273.95	1963	316.00	100	403.05	273		
275.00	10188	323.05	1098	421.00	236		
276.00	1401	324.00	106	421.80	108		
276.95	753	334.00	649	423.05	1554		
277.90	108	345.80	123	423.95	442		
282.90	92	351.95	256	441.00	5840		
285.00	87	353.10	128	442.10	36685		

DFTPP

Data File : W:\1\data\R130910\R33450.D
Acq On : 10 Sep 2013 7:50 am
Sample : DFTPP
Misc : OP34233,MSR1218,,,,1,1
MS Integration Params: rteint.p

Vial: 99
Operator: kristinr
Inst : MSR
Multiplr: 1.00

Method : W:\2\METHODS\DFTPP.m (RTE Integrator)
Title : DFTPP and Tune Evaluation



Spectrum Information: Average of 8.336 to 8.348 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.9	19794	PASS
68	69	0.00	2	1.4	256	PASS
69	198	0.00	100	33.0	18724	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.0	23816	PASS
197	198	0.00	1	0.6	351	PASS
198	198	100	100	100.0	56696	PASS
199	198	5	9	6.7	3813	PASS
275	198	10	30	21.9	12414	PASS
365	198	1	100	2.4	1369	PASS
441	443	0.01	100	72.6	7142	PASS
442	198	40	100	79.6	45116	PASS
443	442	17	23	21.8	9835	PASS

R33450.D DFTPP.m Wed Sep 11 11:17:47 2013

Average of 8.336 to 8.348 min.: R33450.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	223	62.05	300	79.95	1070	94.90	131
39.10	1574	63.00	849	81.05	1469	97.90	1389
39.95	25	64.95	371	82.05	377	98.90	197
41.00	193	68.00	256	82.90	373	99.05	913
50.10	4758	69.00	18724	85.95	364	101.00	773
51.10	19794	74.05	1953	87.00	94	102.60	83
52.05	851	75.00	3036	87.80	85	103.00	197
55.00	90	76.05	1138	90.90	199	103.85	424
56.00	687	77.10	21629	91.10	205	104.95	458
57.00	1320	78.10	1477	92.00	155	105.90	95
61.00	191	79.05	1421	93.00	2114	107.00	5991

Average of 8.336 to 8.348 min.: R33450.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
108.05	1028	122.95	746	135.00	572	151.90	96
109.10	259	124.00	321	135.95	305	152.95	286
110.00	12112	125.00	249	136.90	412	153.85	285
111.05	2059	125.80	119	141.05	1351	154.10	85
111.90	250	126.10	269	141.95	271	154.95	588
115.90	152	127.00	23816	142.95	215	156.00	929
116.10	123	128.00	1879	146.80	198	157.10	132
117.00	4256	129.00	8942	147.10	313	158.70	100
117.85	222	129.90	386	147.95	788	160.00	286
121.85	278	130.10	343	148.90	140	161.00	512
122.10	120	134.10	181	151.20	117	165.00	327

Average of 8.336 to 8.348 min.: R33450.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
166.00	369	177.00	388	191.00	158	201.45	345
166.80	271	178.80	222	191.90	435	203.05	377
167.00	1937	179.00	1300	193.00	644	204.00	1706
168.00	675	179.95	1148	194.00	98	205.00	3459
168.80	129	180.80	393	195.95	2087	206.00	13253
171.95	199	181.00	258	196.90	258	207.00	1943
172.90	232	182.80	84	197.10	351	208.05	484
174.05	421	184.90	682	197.95	56696	208.90	104
175.00	852	186.00	6663	198.95	3813	210.10	304
175.90	393	187.00	1939	200.00	214	210.50	166
176.50	116	188.95	261	201.00	119	210.80	552

Average of 8.336 to 8.348 min.: R33450.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
215.95	286	231.00	112	253.90	403	277.05	1015
217.00	3320	233.90	133	255.00	28417	278.10	114
218.00	474	234.20	115	256.00	4229	285.00	98
220.80	438	236.90	166	256.90	270	292.95	211
221.05	2872	241.90	134	257.95	1450	296.05	2884
223.00	710	242.90	522	259.05	257	296.90	522
224.00	7649	244.05	6126	265.05	508	303.00	545
225.05	2042	245.05	901	272.95	928	314.00	108
226.95	2736	246.00	1039	273.95	2203	314.95	348
227.95	331	247.00	106	275.00	12414	316.00	144
228.90	655	253.10	83	276.00	1730	320.95	212

Average of 8.336 to 8.348 min.: R33450.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
323.00	983	371.95	395				
324.05	189	402.05	379				
327.00	85	403.00	449				
334.05	666	421.05	372				

DFTPP.m Wed Sep 11 11:17:33 2013 Page: 0

346.00	143	422.10	269
351.95	349	423.05	2324
352.90	122	424.05	525
353.10	171	441.05	7142
353.80	178	442.10	45116
354.10	236	443.10	9835
364.95	1369	444.10	955

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	59485m	40.00	ppm	0.55
21) 1,4-Dichlorobenzene-d4A	4.425	152	59492m	40.00	PPM	0.55
23) Naphthalene-d8	5.484	136	221858m	40.00	ppm	0.56
41) Naphthalene-d8a	5.484	136	221870m	40.00	ppm	0.56
43) Acenaphthene-d10	7.025	164	139822m	40.00	ppm	0.58
65) Acenaphthene-d10a	7.025	164	139833m	40.00	ppm	0.58
67) Phenanthrene-d10	8.454	188	240225m	40.00	ppm	0.64
80) Phenanthrene-d10a	8.454	188	240225m	40.00	ppm	0.65
82) Chrysene-d12	11.454	240	267691m	40.00	ppm	0.72
92) Perylene-d12	13.054	264	259313m	40.00	ppm	0.74
100) Naphthalene-d8b	5.484	136	221867m	40.00	ug/mL	0.56
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	91717m	46.49	ppm	0.52
Spiked Amount 100.000	Range 30 - 130		Recovery = 46.49%			
7) Phenol-d5	4.143	99	112760m	41.54	ppm	0.51
Spiked Amount 100.000	Range 30 - 130		Recovery = 41.54%			
24) Nitrobenzene-d5	4.890	82	105028m	43.20	ppm	0.55
Spiked Amount 50.000	Range 30 - 130		Recovery = 86.40%			
48) 2-Fluorobiphenyl	6.419	172	231580m	50.10	ppm	0.55
Spiked Amount 50.000	Range 30 - 130		Recovery = 100.20%			
71) 2,4,6-Tribromophenol	7.772	330	37038m	50.41	ppm	0.61
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.41%			
85) Terphenyl-d14	10.225	244	286560m	49.61	ppm	0.68
Spiked Amount 50.000	Range 30 - 130		Recovery = 99.22%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.560	74	58838m	42.59	ug/l	
3) Pyridine	2.572	79	107712m	42.57	ppm	
4) Aniline	4.190	93	139086m	42.02	ppm	
6) bis(2-Chloroethyl)ether	4.225	63	65072m	43.66	ppm	
8) Phenol	4.154	94	114928m	40.44	ppm	
9) 2-Chlorophenol	4.278	128	98355m	49.37	ppm	
10) 1,3-Dichlorobenzene	4.396	146	108436m	48.13	ppm	
11) 1,4-Dichlorobenzene	4.437	146	114841m	48.74	ppm	
12) 1,2-Dichlorobenzene	4.590	146	104690m	48.73	ppm	
13) Benzyl alcohol	4.537	108	64404m	44.88	ppm	
14) bis(2-chloroisopropyl)...	4.660	45	112465m	53.46	ppm	
15) o-cresol	4.631	108	86947m	20.61	ppm	
16) Acetophenone	4.760	105	140090m	43.37	ppm	
17) Hexachloroethane	4.843	117	42833m	46.47	ppm	
18) N-Nitroso-di-n-propyla...	4.778	70	64035m	41.68	ppm	
19) m+p-cresols	4.748	108	188185m	89.20	ppm	
20) 4-methylphenol	4.748	108	187986m	89.11	ppm	
25) Nitrobenzene	4.907	77	105565m	42.72	ppm	
26) Isophorone	5.096	82	179787m	41.90	ppm	
27) 2-Nitrophenol	5.172	139	52445m	50.82	ppm	
28) 2,4-Dimethylphenol	5.190	107	96931m	43.60	ppm	
29) bis(2-Chloroethoxy)met...	5.272	93	103765m	41.88	ppm	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.260	105	66559m	37.88	ppm	
31) 2,4-Dichlorophenol	5.366	162	86395m	52.33	ppm	
32) 1,2,4-Trichlorobenzene	5.443	180	90548m	52.20	ppm	
33) Naphthalene	5.501	128	289988m	50.63	ppm	
34) 2,6-Dichlorophenol	5.560	162	84039m	51.85	ppm	
35) 4-Chloroaniline	5.554	127	121152m	49.73	ppm	
36) Hexachlorobutadiene	5.648	225	58274m	50.91	ppm	
37) 4-Chloro-3-methylphenol	5.954	107	82037m	42.10	ppm	
38) 2-Methylnaphthalene	6.090	142	206997m	55.16	ppm	
39) 1-Methylnaphthalene	6.184	142	196454m	53.44	ppm	
40) 1,2,4,5-Tetrachloroben...	6.272	216	105598m	53.51	ppm	
44) Pentachloronitrobenzene	8.407	237	30771m	51.08	ppm	
45) Hexachlorocyclopentadiene	6.290	237	70656m	61.24	ppm	
46) 2,4,6-Trichlorophenol	6.354	196	66800m	49.70	ppm	
47) 2,4,5-Trichlorophenol	6.384	196	70396m	48.86	ppm	
49) 2-Chloronaphthalene	6.513	162	184044m	49.24	ppm	
50) Acenaphthylene	6.890	152	306015m	50.70	ppm	
51) Dimethylphthalate	6.801	163	214661m	47.35	ppm	
52) 2,4-Dinitrotoluene	7.225	165	65240m	50.40	ppm	
53) Acenaphthene	7.054	153	197159m	52.66	ppm	
54) 2,4-Dinitrophenol	7.084	184	30595m	43.38	ppm	
55) Dibenzofuran	7.201	168	277334m	51.59	ppm	
56) 2,6-Dinitrotoluene	6.866	165	49768m	51.53	ppm	
57) 4-Nitrophenol	7.125	65	43699m	42.35	ppm	
58) 2,3,4,6-Tetrachlorophenol	7.348	232	60487m	48.86	ppm	
59) Fluorene	7.525	166	224845m	52.78	ppm	
60) 4-Chlorophenyl-phenyle...	7.513	204	108434m	51.20	ppm	
61) Diethylphthalate	7.448	149	214106m	47.40	ppm	
62) 2-nitroaniline	6.625	138	61122m	47.86	ppm	
63) 3-nitroaniline	6.995	138	52284m	47.04	ppm	
64) 4-nitroaniline	7.566	138	51830m	45.76	ppm	
68) 4,6-Dinitro-2-methylph...	7.607	198	44240m	49.91	ppm	
69) n-Nitrosodiphenylamine	7.631	169	158960m	49.39	ppm	
70) 1,2-Diphenylhydrazine	7.666	77	205111m	40.91	ppm	
72) 4-Bromophenyl-phenylether	7.989	248	66649m	49.83	ppm	
73) Hexachlorobenzene	8.148	284	74087m	55.49	ppm	
74) Pentachlorophenol	8.325	266	47627m	52.94	ppm	
75) Phenanthrene	8.484	178	327784m	52.57	ppm	
76) Anthracene	8.525	178	339720m	53.26	ppm	
77) Carbazole	8.695	167	310096m	52.77	ppm	
78) Di-n-butylphthalate	9.119	149	369483m	49.09	ppm	
79) Fluoranthene	9.783	202	352235m	50.45	ppm	
83) Benzidine	9.925	184	129163m	41.62	ppm	
84) Pyrene	10.036	202	389354m	50.87	ppm	
86) 3,3-Dimethylbenzidine	10.789	212	162659m	37.69	ppm	
87) Butylbenzylphthalate	10.830	149	167072m	48.86	ppm	
88) 3,3'-Dichlorobenzidine	11.419	252	137506m	49.93	ppm	
89) Benzo[a]anthracene	11.430	228	354784m	49.39	ppm	
90) Chrysene	11.483	228	342967m	48.98	ppm	
91) bis(2-Ethylhexyl)phtha...	11.542	149	232773m	47.84	ppm	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration

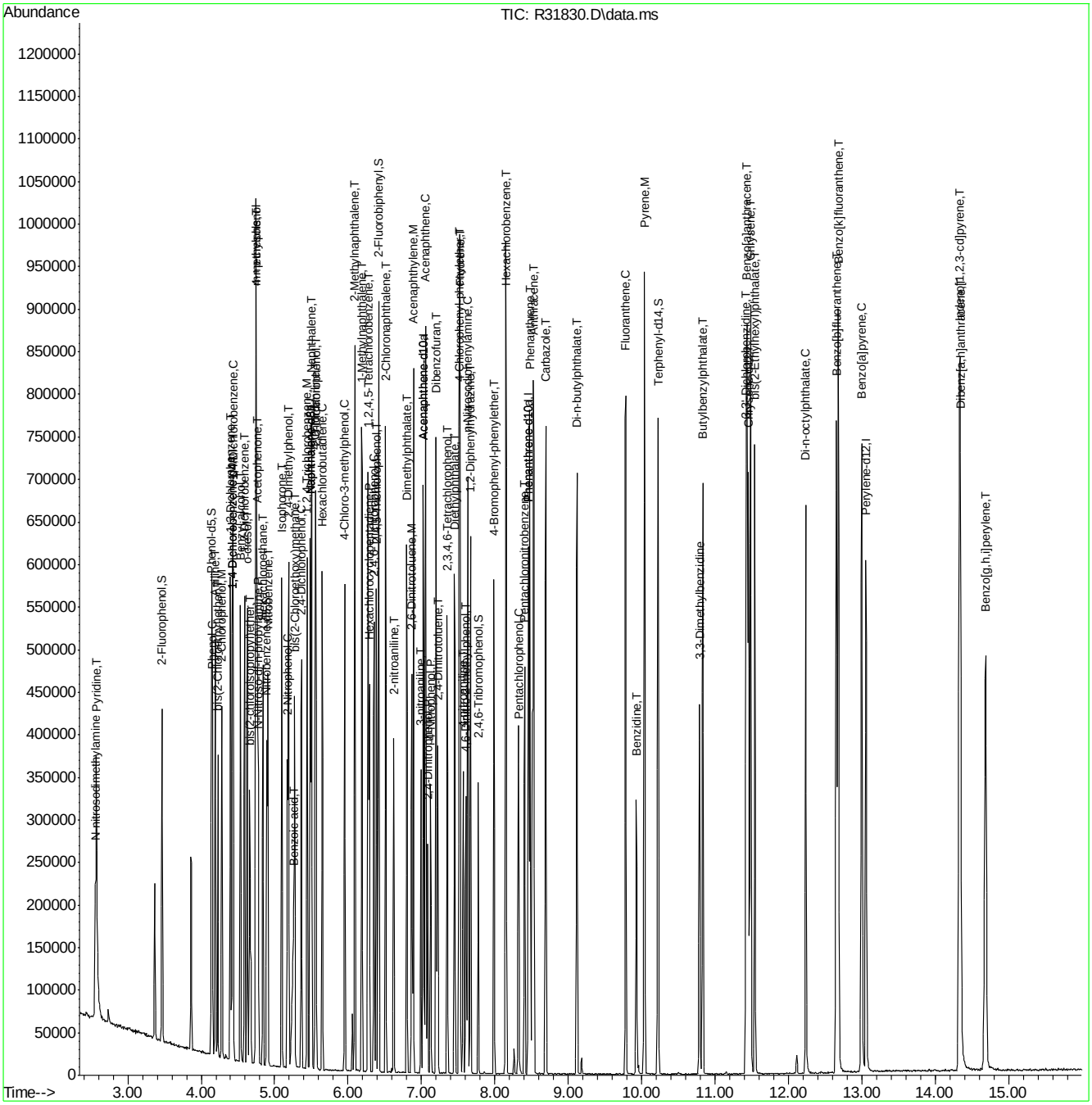
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	365730m	42.88	ppm	
94) Benzo[b]fluoranthene	12.654	252	388574m	48.87	ppm	
95) Benzo[k]fluoranthene	12.677	252	363381m	50.19	ppm	
96) Benzo[a]pyrene	12.995	252	342214m	49.28	ppm	
97) Indeno[1,2,3-cd]pyrene	14.330	276	424772m	52.15	ppm	
98) Dibenz[a,h]anthracene	14.342	278	343005m	51.88	ppm	
99) Benzo[g,h,i]perylene	14.683	276	353384m	52.43	ppm	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration



R130628_8270+.m Mon Jul 08 17:12:07 2013 Page: 4

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	49138	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	49138	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	181281	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	181281	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	112249	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	112249	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	196732	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	196732	40.00	ppm		0.00
82) Chrysene-d12	11.448	240	209909	40.00	ppm		0.00
92) Perylene-d12	13.054	264	203361	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	181281	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.466	112	2661	1.76	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.76%#				
7) Phenol-d5	4.137	99	3786	2.03	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 2.03%#				
24) Nitrobenzene-d5	4.890	82	3273	1.91	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.82%#				
48) 2-Fluorobiphenyl	6.419	172	7292	1.96	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.92%#				
71) 2,4,6-Tribromophenol	7.772	330	795m	1.31	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.31%#				
85) Terphenyl-d14	10.219	244	8605	1.91	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.82%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.566	74	1962	2.02	ug/l	#	63
3) Pyridine	2.596	79	3640	2.05	ppm		97
4) Aniline	4.190	93	4029	1.75	ppm	#	1
6) bis(2-Chloroethyl)ether	4.225	63	1919	1.79	ppm		89
8) Phenol	4.149	94	3522	1.85	ppm		93
9) 2-Chlorophenol	4.278	128	2915	1.79	ppm		97
10) 1,3-Dichlorobenzene	4.396	146	3393	1.89	ppm		92
11) 1,4-Dichlorobenzene	4.437	146	3732	1.97	ppm		96
12) 1,2-Dichlorobenzene	4.590	146	3150	1.82	ppm		93
13) Benzyl alcohol	4.537	108	1928	1.81	ppm		93
14) bis(2-chloroisopropyl)...	4.660	45	3354	1.81	ppm		92
15) o-cresol	4.625	108	2530	1.76	ppm		81
16) Acetophenone	4.760	105	4176	1.80	ppm		83
17) Hexachloroethane	4.843	117	1347	1.90	ppm		84
18) N-Nitroso-di-n-propyla...	4.772	70	2301	2.17	ppm		91
19) m+p-cresols	4.743	108	5553	3.57	ppm		97
20) 4-methylphenol	4.743	108	5553	3.58	ppm		97
25) Nitrobenzene	4.907	77	3565	2.07	ppm		96
26) Isophorone	5.096	82	5600	1.91	ppm		99
27) 2-Nitrophenol	5.172	139	1694	1.98	ppm		73
28) 2,4-Dimethylphenol	5.184	107	2562	1.62	ppm		81
29) bis(2-Chloroethoxy)met...	5.272	93	3348	1.97	ppm		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) 2,4-Dichlorophenol	5.366	162	2506	1.77	ppm	86
32) 1,2,4-Trichlorobenzene	5.443	180	2944	1.99	ppm	88
33) Naphthalene	5.496	128	9402	1.98	ppm	97
34) 2,6-Dichlorophenol	5.560	162	2616	1.90	ppm	96
35) 4-Chloroaniline	5.554	127	3379	1.71	ppm	100
36) Hexachlorobutadiene	5.648	225	1690	1.77	ppm	92
37) 4-Chloro-3-methylphenol	5.954	107	2184	1.63	ppm	89
38) 2-Methylnaphthalene	6.090	142	6539	1.93	ppm	88
39) 1-Methylnaphthalene	6.184	142	6518	2.03	ppm	89
40) 1,2,4,5-Tetrachloroben...	6.272	216	3697	2.14	ppm	89
45) Hexachlorocyclopentadiene	6.290	237	1707	1.50	ppm	68
46) 2,4,6-Trichlorophenol	6.348	196	1666	1.55	ppm	85
47) 2,4,5-Trichlorophenol	6.384	196	1841	1.63	ppm	84
49) 2-Chloronaphthalene	6.513	162	6168	2.09	ppm	95
50) Acenaphthylene	6.890	152	9322	1.90	ppm	91
51) Dimethylphthalate	6.801	163	6385	1.85	ppm	100
52) 2,4-Dinitrotoluene	7.219	165	1629	1.56	ppm	98
53) Acenaphthene	7.054	153	5886	1.86	ppm	93
54) 2,4-Dinitrophenol	7.078	184	453m	0.92	ppm	
55) Dibenzofuran	7.195	168	8925	2.00	ppm	93
56) 2,6-Dinitrotoluene	6.860	165	1175	1.47	ppm	91
57) 4-Nitrophenol	7.119	65	792m	1.13	ppm	
58) 2,3,4,6-Tetrachlorophenol	7.348	232	1227	1.26	ppm	84
59) Fluorene	7.525	166	6816	1.89	ppm	96
60) 4-Chlorophenyl-phenyle...	7.513	204	3528	2.03	ppm	84
61) Diethylphthalate	7.448	149	6550	1.91	ppm	92
62) 2-nitroaniline	6.619	138	1561	1.59	ppm	84
63) 3-nitroaniline	6.990	138	1374	1.64	ppm	90
64) 4-nitroaniline	7.560	138	967m	1.16	ppm	
69) n-Nitrosodiphenylamine	7.631	169	4831	1.86	ppm	95
70) 1,2-Diphenylhydrazine	7.666	77	6664	1.98	ppm	97
72) 4-Bromophenyl-phenylether	7.990	248	1967	1.80	ppm	84
73) Hexachlorobenzene	8.142	284	2312	1.91	ppm	90
74) Pentachlorophenol	8.319	266	1052	1.35	ppm	82
75) Phenanthrene	8.478	178	10370	1.93	ppm	96
76) Anthracene	8.525	178	9840	1.77	ppm	96
77) Carbazole	8.689	167	8014	1.58	ppm	78
78) Di-n-butylphthalate	9.113	149	9533	1.58	ppm	95
79) Fluoranthene	9.778	202	9933	1.72	ppm	95
83) Benzidine	9.925	184	2615	1.29	ppm	85
84) Pyrene	10.036	202	10951	1.79	ppm	95
86) 3,3-Dimethylbenzidine	10.783	212	2441	0.96	ppm	100
87) Butylbenzylphthalate	10.825	149	3069	1.17	ppm	90
88) 3,3'-Dichlorobenzidine	11.419	252	2425	1.12	ppm	95
89) Benzo[a]anthracene	11.430	228	9635	1.73	ppm	95
90) Chrysene	11.478	228	10214	1.90	ppm	99
91) bis(2-Ethylhexyl)phtha...	11.542	149	4588	1.26	ppm	77
93) Di-n-octylphthalate	12.230	149	5394	0.94	ppm	95
94) Benzo[b]fluoranthene	12.648	252	10441	1.71	ppm	95
95) Benzo[k]fluoranthene	12.672	252	9589	1.68	ppm	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration

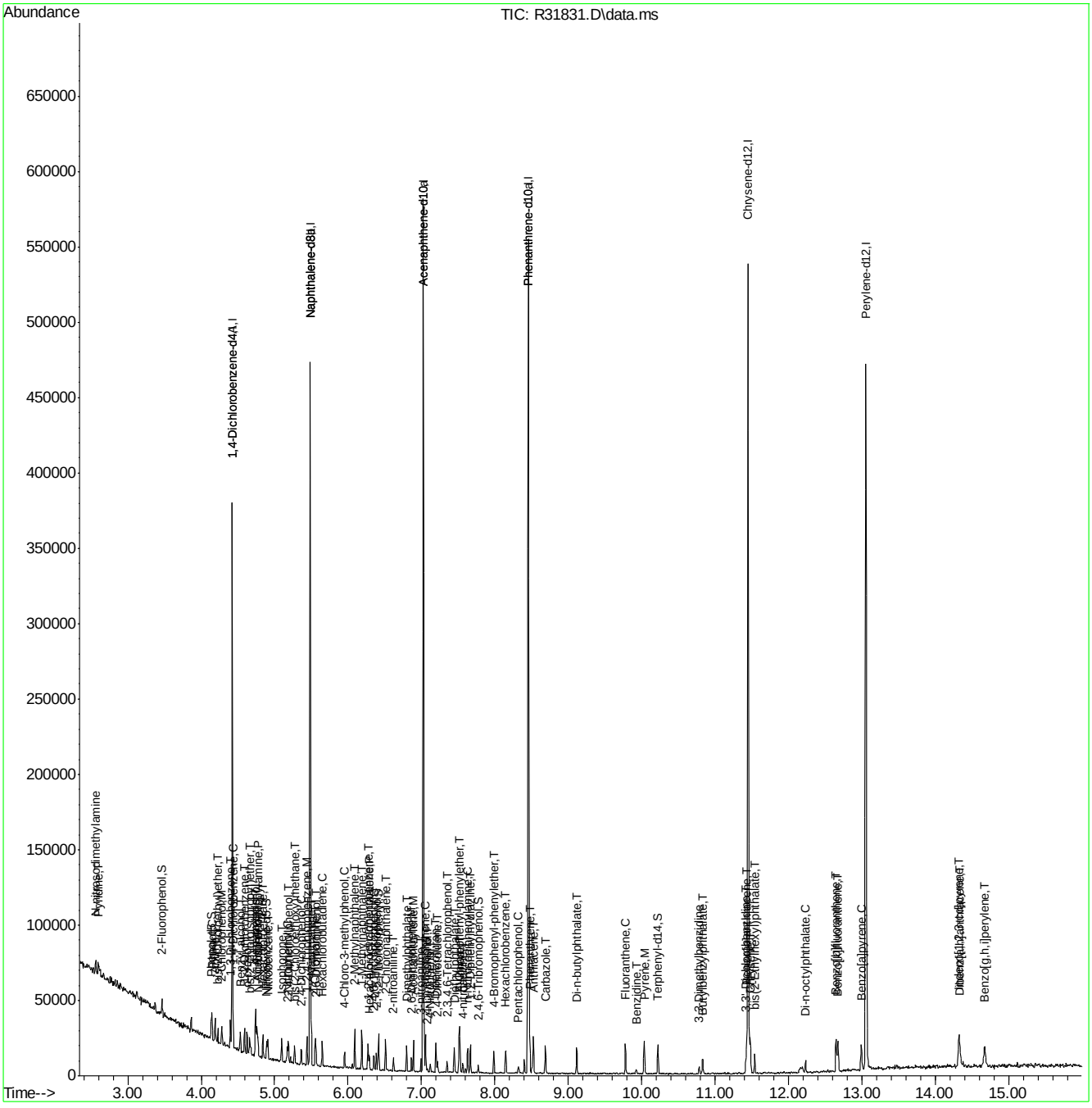
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Benzo[a]pyrene	12.989	252	8160	1.52	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.324	276	10360	1.56	ppm	80
98) Dibenz[a,h]anthracene	14.330	278	8584	1.60	ppm	95
99) Benzo[g,h,i]perylene	14.671	276	9002	1.62	ppm	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	51367	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	51367	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	187437	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	187437	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	119311	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	119311	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	202315	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	202315	40.00	ppm	0.00
82) Chrysene-d12	11.448	240	219013	40.00	ppm	0.00
92) Perylene-d12	13.054	264	214392	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	187437	40.00	ug/mL	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	7952	5.35	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 5.35%#			
7) Phenol-d5	4.137	99	9750	4.97	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 4.97%#			
24) Nitrobenzene-d5	4.890	82	8917	5.14	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 10.28%#			
48) 2-Fluorobiphenyl	6.419	172	19440	4.97	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 9.94%#			
71) 2,4,6-Tribromophenol	7.772	330	2452	3.93	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 3.93%#			
85) Terphenyl-d14	10.219	244	22822	4.97	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 9.94%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.560	74	4558	4.49	ug/l	# 79
3) Pyridine	2.590	79	8812	4.74	ppm	97
4) Aniline	4.190	93	11209	4.97	ppm	# 1
6) bis(2-Chloroethyl)ether	4.225	63	5705	5.36	ppm	78
8) Phenol	4.148	94	9287	4.85	ppm	97
9) 2-Chlorophenol	4.278	128	7555	4.69	ppm	91
10) 1,3-Dichlorobenzene	4.396	146	9269	5.08	ppm	99
11) 1,4-Dichlorobenzene	4.437	146	9242	4.70	ppm	96
12) 1,2-Dichlorobenzene	4.590	146	8197	4.75	ppm	88
13) Benzyl alcohol	4.537	108	4842	4.35	ppm	98
14) bis(2-chloroisopropyl)...	4.660	45	9684	5.24	ppm	81
15) o-cresol	4.625	108	6681	4.73	ppm	85
16) Acetophenone	4.760	105	11659	5.07	ppm	98
17) Hexachloroethane	4.843	117	3547	4.91	ppm	80
18) N-Nitroso-di-n-propyla...	4.772	70	4779m	4.14	ppm	
19) m+p-cresols	4.743	108	14861	9.66	ppm	99
20) 4-methylphenol	4.743	108	14861	9.67	ppm	99
25) Nitrobenzene	4.907	77	9124	5.03	ppm	94
26) Isophorone	5.095	82	14021	4.73	ppm	99
27) 2-Nitrophenol	5.172	139	3900	4.40	ppm	91
28) 2,4-Dimethylphenol	5.184	107	6625	4.04	ppm	98
29) bis(2-Chloroethoxy)met...	5.272	93	8609	4.91	ppm	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.219	105	2500	2.22	ppm		96
31) 2,4-Dichlorophenol	5.360	162	6088	4.17	ppm		95
32) 1,2,4-Trichlorobenzene	5.442	180	7933	5.20	ppm		98
33) Naphthalene	5.501	128	23030	4.72	ppm		96
34) 2,6-Dichlorophenol	5.560	162	6427	4.53	ppm		93
35) 4-Chloroaniline	5.554	127	9409	4.60	ppm		100
36) Hexachlorobutadiene	5.648	225	4470	4.81	ppm		84
37) 4-Chloro-3-methylphenol	5.954	107	6182	4.46	ppm		95
38) 2-Methylnaphthalene	6.090	142	16285	4.74	ppm		93
39) 1-Methylnaphthalene	6.184	142	16485	4.93	ppm		92
40) 1,2,4,5-Tetrachloroben...	6.272	216	9197	4.98	ppm		100
44) Pentachloronitrobenzene	8.401	237	2166	4.12	ppm		90
45) Hexachlorocyclopentadiene	6.289	237	5335	4.42	ppm		86
46) 2,4,6-Trichlorophenol	6.354	196	4962	4.35	ppm		99
47) 2,4,5-Trichlorophenol	6.384	196	5351	4.45	ppm		99
49) 2-Chloronaphthalene	6.513	162	15028	4.68	ppm		98
50) Acenaphthylene	6.889	152	24421	4.80	ppm		97
51) Dimethylphthalate	6.801	163	17498	4.96	ppm		98
52) 2,4-Dinitrotoluene	7.219	165	4817	4.33	ppm		80
53) Acenaphthene	7.054	153	16873	5.20	ppm		96
54) 2,4-Dinitrophenol	7.084	184	1515	2.90	ppm		85
55) Dibenzofuran	7.201	168	22213	4.69	ppm		98
56) 2,6-Dinitrotoluene	6.866	165	3383	3.98	ppm		71
57) 4-Nitrophenol	7.119	65	2914	3.91	ppm	#	71
58) 2,3,4,6-Tetrachlorophenol	7.348	232	4491	4.35	ppm		91
59) Fluorene	7.525	166	18464	4.95	ppm		93
60) 4-Chlorophenyl-phenyle...	7.513	204	8876	4.76	ppm		95
61) Diethylphthalate	7.448	149	16793	4.71	ppm		99
62) 2-nitroaniline	6.625	138	4231	4.06	ppm		95
63) 3-nitroaniline	6.989	138	3727	4.18	ppm		85
64) 4-nitroaniline	7.560	138	3573	4.04	ppm		84
68) 4,6-Dinitro-2-methylph...	7.601	198	2324	3.12	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	12398	4.80	ppm		97
70) 1,2-Diphenylhydrazine	7.666	77	16006	4.65	ppm		95
72) 4-Bromophenyl-phenylether	7.989	248	5172	4.85	ppm		97
73) Hexachlorobenzene	8.148	284	6133	5.03	ppm		96
74) Pentachlorophenol	8.319	266	3153	3.93	ppm		96
75) Phenanthrene	8.478	178	26259	4.84	ppm		96
76) Anthracene	8.525	178	27189	5.04	ppm		100
77) Carbazole	8.689	167	23695	5.07	ppm		100
78) Di-n-butylphthalate	9.113	149	25565	4.11	ppm		98
79) Fluoranthene	9.777	202	26727	4.84	ppm		98
83) Benzidine	9.925	184	7390	3.50	ppm		94
84) Pyrene	10.030	202	29538	4.89	ppm		96
86) 3,3-Dimethylbenzidine	10.783	212	9433	3.54	ppm		100
87) Butylbenzylphthalate	10.824	149	10469	3.83	ppm		95
88) 3,3'-Dichlorobenzidine	11.419	252	7573	3.37	ppm		95
89) Benzo[a]anthracene	11.430	228	25910	4.78	ppm		93
90) Chrysene	11.477	228	27195	4.97	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.542	149	13275	3.49	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration

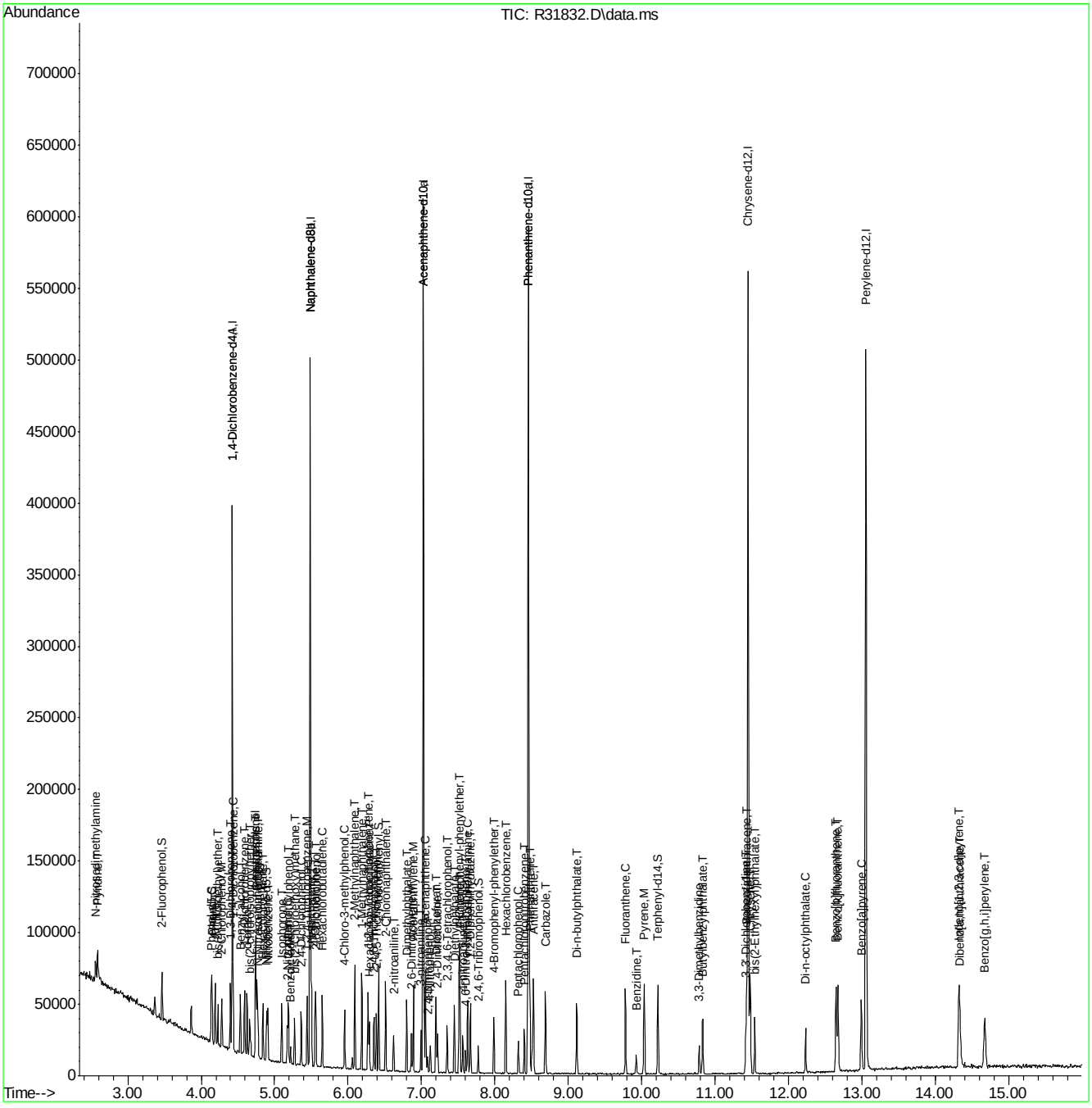
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.230	149	18042	2.98	ppm	97
94) Benzo[b]fluoranthene	12.648	252	26212	4.39	ppm	93
95) Benzo[k]fluoranthene	12.671	252	27270	4.93	ppm	97
96) Benzo[a]pyrene	12.989	252	22958	4.61	ppm	93
97) Indeno[1,2,3-cd]pyrene	14.324	276	29545	4.73	ppm	86
98) Dibenz[a,h]anthracene	14.336	278	24614	4.83	ppm	94
99) Benzo[g,h,i]perylene	14.671	276	24683	4.66	ppm	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	46884	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	46884	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	166929	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	166929	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	105710	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	105710	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	181940	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	181940	40.00	ppm	0.00
82) Chrysene-d12	11.448	240	195288	40.00	ppm	0.00
92) Perylene-d12	13.054	264	187013	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	166929	40.00	ug/mL	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	14242	10.25	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 10.25%#			
7) Phenol-d5	4.137	99	17138	9.59	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 9.59%#			
24) Nitrobenzene-d5	4.890	82	15688	10.07	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 20.14%#			
48) 2-Fluorobiphenyl	6.419	172	34683	10.02	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 20.04%#			
71) 2,4,6-Tribromophenol	7.772	330	4845	9.67	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 9.67%#			
85) Terphenyl-d14	10.219	244	39266	9.61	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 19.22%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.560	74	9321	10.59	ug/l	99
3) Pyridine	2.584	79	16709	10.11	ppm	83
4) Aniline	4.190	93	21013	10.23	ppm #	1
6) bis(2-Chloroethyl)ether	4.225	63	10148	10.21	ppm	82
8) Phenol	4.148	94	17082	9.88	ppm	94
9) 2-Chlorophenol	4.278	128	15038	10.44	ppm	96
10) 1,3-Dichlorobenzene	4.396	146	17344	10.36	ppm	97
11) 1,4-Dichlorobenzene	4.437	146	17241	9.80	ppm	96
12) 1,2-Dichlorobenzene	4.590	146	15632	10.09	ppm	99
13) Benzyl alcohol	4.537	108	9120	9.60	ppm	95
14) bis(2-chloroisopropyl)...	4.660	45	16636	9.71	ppm	86
15) o-cresol	4.625	108	12035	9.51	ppm	77
16) Acetophenone	4.760	105	20253	9.60	ppm	98
17) Hexachloroethane	4.843	117	6286	9.60	ppm	89
18) N-Nitroso-di-n-propyla...	4.772	70	9230	9.29	ppm	80
19) m+p-cresols	4.743	108	26756	19.28	ppm	91
20) 4-methylphenol	4.743	108	26756	19.28	ppm	91
25) Nitrobenzene	4.907	77	15604	9.64	ppm	97
26) Isophorone	5.095	82	25747	9.93	ppm	97
27) 2-Nitrophenol	5.172	139	7271	9.80	ppm	81
28) 2,4-Dimethylphenol	5.184	107	13801	10.46	ppm	94
29) bis(2-Chloroethoxy)met...	5.272	93	15740	10.17	ppm	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.225	105	6577	6.57	ppm		88
31) 2,4-Dichlorophenol	5.360	162	12327	10.34	ppm		93
32) 1,2,4-Trichlorobenzene	5.442	180	13568	9.85	ppm		98
33) Naphthalene	5.501	128	42908	10.06	ppm		97
34) 2,6-Dichlorophenol	5.560	162	11758	9.76	ppm		96
35) 4-Chloroaniline	5.554	127	17103	9.78	ppm		100
36) Hexachlorobutadiene	5.648	225	9080	11.11	ppm		94
37) 4-Chloro-3-methylphenol	5.954	107	11168	9.56	ppm		96
38) 2-Methylnaphthalene	6.090	142	29155	9.69	ppm		97
39) 1-Methylnaphthalene	6.184	142	28886	9.74	ppm		100
40) 1,2,4,5-Tetrachloroben...	6.272	216	15961	9.71	ppm		94
44) Pentachloronitrobenzene	8.401	237	3995	8.59	ppm		93
45) Hexachlorocyclopentadiene	6.290	237	9042	8.98	ppm		98
46) 2,4,6-Trichlorophenol	6.354	196	9139	9.67	ppm		90
47) 2,4,5-Trichlorophenol	6.384	196	9245	9.19	ppm		92
49) 2-Chloronaphthalene	6.513	162	27215	9.78	ppm		94
50) Acenaphthylene	6.889	152	43895	9.87	ppm		98
51) Dimethylphthalate	6.801	163	31117	9.98	ppm		97
52) 2,4-Dinitrotoluene	7.219	165	8753	9.51	ppm		91
53) Acenaphthene	7.054	153	27820	9.55	ppm		96
54) 2,4-Dinitrophenol	7.084	184	3245	7.01	ppm		82
55) Dibenzofuran	7.201	168	40311	9.81	ppm		93
56) 2,6-Dinitrotoluene	6.866	165	6650	9.84	ppm	#	65
57) 4-Nitrophenol	7.119	65	5494	8.31	ppm	#	79
58) 2,3,4,6-Tetrachlorophenol	7.348	232	7686	8.99	ppm		95
59) Fluorene	7.525	166	32313	9.81	ppm		98
60) 4-Chlorophenyl-phenyle...	7.513	204	15641	9.63	ppm		86
61) Diethylphthalate	7.448	149	30962	9.99	ppm		97
62) 2-nitroaniline	6.619	138	8013	9.57	ppm		84
63) 3-nitroaniline	6.989	138	7123	9.01	ppm		87
64) 4-nitroaniline	7.560	138	6966	8.89	ppm		80
68) 4,6-Dinitro-2-methylph...	7.601	198	4616	6.89	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	22406	9.78	ppm		95
70) 1,2-Diphenylhydrazine	7.666	77	30647	10.14	ppm		93
72) 4-Bromophenyl-phenylether	7.989	248	9842	10.36	ppm		94
73) Hexachlorobenzene	8.148	284	10266	9.35	ppm		96
74) Pentachlorophenol	8.319	266	5580	7.73	ppm		95
75) Phenanthrene	8.478	178	48283	10.00	ppm		98
76) Anthracene	8.525	178	47975	9.87	ppm		97
77) Carbazole	8.689	167	42932	10.17	ppm		98
78) Di-n-butylphthalate	9.113	149	49326	9.68	ppm		98
79) Fluoranthene	9.778	202	49907	10.16	ppm		96
83) Benzidine	9.925	184	13689	8.55	ppm		97
84) Pyrene	10.030	202	53983	10.09	ppm		97
86) 3,3-Dimethylbenzidine	10.783	212	18632	9.19	ppm		100
87) Butylbenzylphthalate	10.830	149	20998	9.76	ppm		94
88) 3,3'-Dichlorobenzidine	11.419	252	16039	9.56	ppm		91
89) Benzo[a]anthracene	11.430	228	48728	10.24	ppm		96
90) Chrysene	11.477	228	48493	9.96	ppm		97
91) bis(2-Ethylhexyl)phtha...	11.542	149	27224	9.45	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration

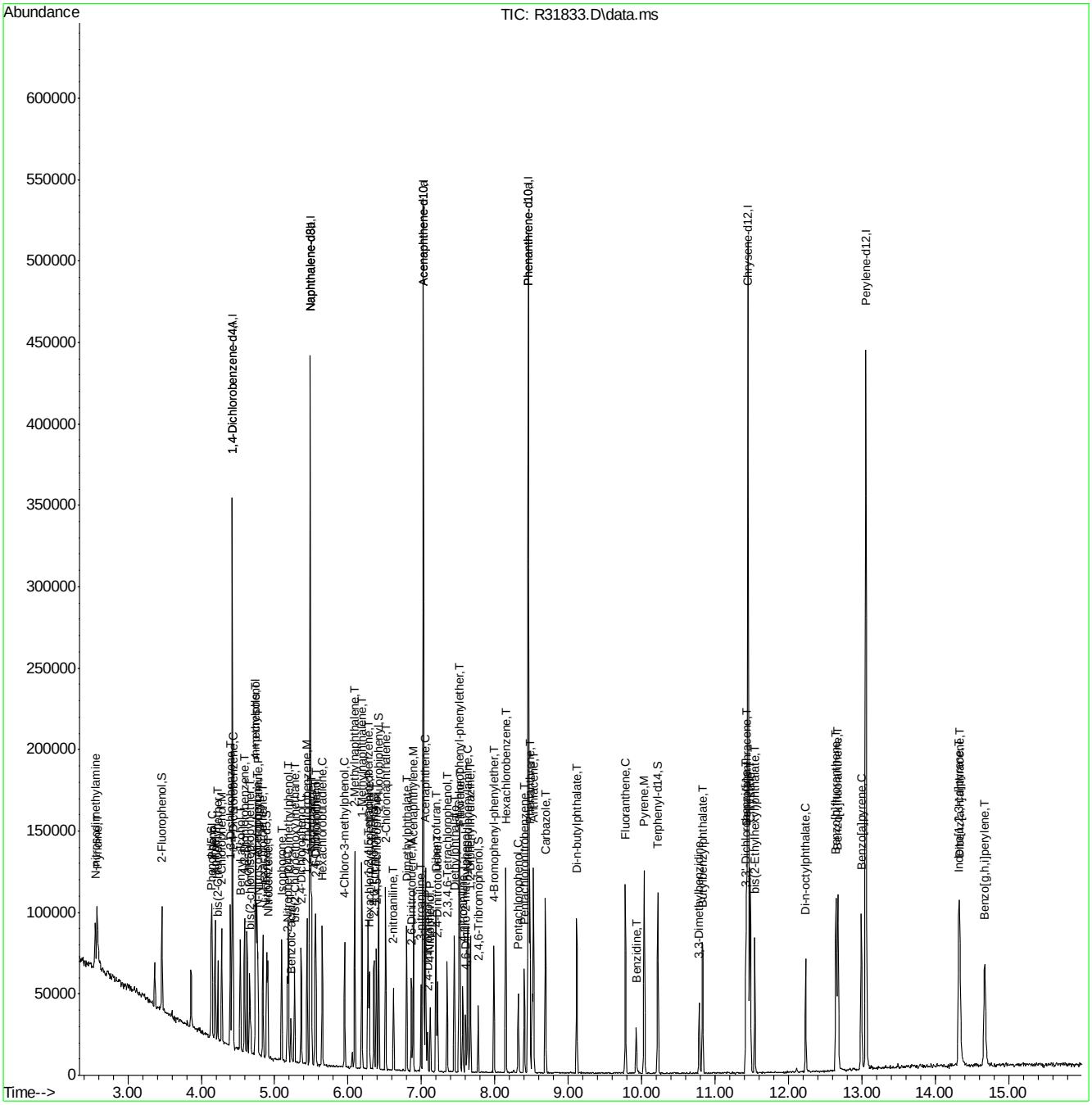
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.230	149	37306	8.86	ppm	99
94) Benzo[b]fluoranthene	12.648	252	51185	10.25	ppm	96
95) Benzo[k]fluoranthene	12.671	252	51893	10.81	ppm	97
96) Benzo[a]pyrene	12.989	252	44414	10.50	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.318	276	55586	10.39	ppm	85
98) Dibenz[a,h]anthracene	14.330	278	43079	9.80	ppm	96
99) Benzo[g,h,i]perylene	14.671	276	47038	10.42	ppm	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	51742	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	51742	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	187414	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	187414	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	116090	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	116090	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	205439	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	205439	40.00	ppm		0.00
82) Chrysene-d12	11.448	240	219524	40.00	ppm		0.00
92) Perylene-d12	13.054	264	211519	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	187414	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.466	112	30920	20.04	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 20.04%#				
7) Phenol-d5	4.137	99	39428	20.19	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 20.19%#				
24) Nitrobenzene-d5	4.890	82	36172	20.64	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 41.28%				
48) 2-Fluorobiphenyl	6.419	172	78365	20.61	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 41.22%				
71) 2,4,6-Tribromophenol	7.772	330	12254	21.90	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 21.90%#				
85) Terphenyl-d14	10.219	244	96411	21.20	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 42.40%				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.560	74	20277	20.48	ug/l		85
3) Pyridine	2.578	79	36952	20.18	ppm		85
4) Aniline	4.190	93	47163	20.69	ppm	#	1
6) bis(2-Chloroethyl)ether	4.225	63	22170	20.10	ppm		91
8) Phenol	4.149	94	40284	21.17	ppm		97
9) 2-Chlorophenol	4.278	128	33290	20.72	ppm		98
10) 1,3-Dichlorobenzene	4.396	146	37487	20.12	ppm		97
11) 1,4-Dichlorobenzene	4.437	146	38579	19.97	ppm		96
12) 1,2-Dichlorobenzene	4.590	146	34284	20.00	ppm		95
13) Benzyl alcohol	4.537	108	20595	19.92	ppm		96
14) bis(2-chloroisopropyl)...	4.660	45	38598	20.56	ppm		82
15) o-cresol	4.625	108	28574	20.71	ppm		81
16) Acetophenone	4.760	105	48172	20.90	ppm		99
17) Hexachloroethane	4.843	117	14788	20.66	ppm		89
18) N-Nitroso-di-n-propyla...	4.772	70	22687	21.07	ppm		83
19) m+p-cresols	4.743	108	61057	40.22	ppm		100
20) 4-methylphenol	4.743	108	61057	40.23	ppm		100
25) Nitrobenzene	4.907	77	35950	19.96	ppm		95
26) Isophorone	5.096	82	60479	20.81	ppm		95
27) 2-Nitrophenol	5.172	139	16401	19.82	ppm		85
28) 2,4-Dimethylphenol	5.184	107	32918	21.89	ppm		95
29) bis(2-Chloroethoxy)met...	5.272	93	37153	21.26	ppm		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.237	105	18397	19.75	ppm		95
31) 2,4-Dichlorophenol	5.360	162	27608	20.39	ppm		95
32) 1,2,4-Trichlorobenzene	5.443	180	31478	20.44	ppm		96
33) Naphthalene	5.501	128	97867	20.41	ppm		98
34) 2,6-Dichlorophenol	5.560	162	28427	21.19	ppm		97
35) 4-Chloroaniline	5.554	127	41102	21.08	ppm		100
36) Hexachlorobutadiene	5.648	225	20924	22.19	ppm		97
37) 4-Chloro-3-methylphenol	5.954	107	26807	20.75	ppm		97
38) 2-Methylnaphthalene	6.090	142	68715	20.50	ppm		90
39) 1-Methylnaphthalene	6.184	142	65711	19.87	ppm		94
40) 1,2,4,5-Tetrachloroben...	6.272	216	35372	19.31	ppm		97
44) Pentachloronitrobenzene	8.401	237	9129	19.23	ppm		95
45) Hexachlorocyclopentadiene	6.290	237	22665	21.22	ppm		95
46) 2,4,6-Trichlorophenol	6.354	196	21103	20.56	ppm		94
47) 2,4,5-Trichlorophenol	6.384	196	23571	21.92	ppm		99
49) 2-Chloronaphthalene	6.513	162	63890	21.02	ppm		94
50) Acenaphthylene	6.890	152	103146	21.19	ppm		99
51) Dimethylphthalate	6.801	163	73029	21.34	ppm		98
52) 2,4-Dinitrotoluene	7.219	165	21650	21.78	ppm		84
53) Acenaphthene	7.054	153	66856	21.13	ppm		99
54) 2,4-Dinitrophenol	7.084	184	9159	18.03	ppm		88
55) Dibenzofuran	7.201	168	94051	20.94	ppm		99
56) 2,6-Dinitrotoluene	6.866	165	16295	22.07	ppm	#	62
57) 4-Nitrophenol	7.125	65	13669	20.57	ppm		94
58) 2,3,4,6-Tetrachlorophenol	7.348	232	18645	20.55	ppm		91
59) Fluorene	7.525	166	75169	20.88	ppm		98
60) 4-Chlorophenyl-phenyle...	7.513	204	37443	21.18	ppm		94
61) Diethylphthalate	7.448	149	71749	21.09	ppm		99
62) 2-nitroaniline	6.619	138	19932	22.00	ppm		85
63) 3-nitroaniline	6.990	138	17272	20.93	ppm		84
64) 4-nitroaniline	7.566	138	17246	21.22	ppm		93
68) 4,6-Dinitro-2-methylph...	7.601	198	13821	21.63	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	54634	21.24	ppm		99
70) 1,2-Diphenylhydrazine	7.666	77	69003	20.15	ppm		97
72) 4-Bromophenyl-phenylether	7.989	248	21957	20.29	ppm		94
73) Hexachlorobenzene	8.148	284	26555	21.77	ppm		89
74) Pentachlorophenol	8.319	266	14968	20.72	ppm		86
75) Phenanthrene	8.478	178	109782	20.14	ppm		97
76) Anthracene	8.525	178	115301	21.07	ppm		99
77) Carbazole	8.689	167	101889	21.28	ppm		100
78) Di-n-butylphthalate	9.113	149	121116	21.27	ppm		97
79) Fluoranthene	9.778	202	118135	21.21	ppm		100
83) Benzidine	9.925	184	38042	22.21	ppm		98
84) Pyrene	10.031	202	127299	21.13	ppm		100
86) 3,3-Dimethylbenzidine	10.783	212	47611	21.47	ppm		100
87) Butylbenzylphthalate	10.830	149	52766	21.99	ppm		98
88) 3,3'-Dichlorobenzidine	11.419	252	40862	21.98	ppm		93
89) Benzo[a]anthracene	11.430	228	115708	21.50	ppm		97
90) Chrysene	11.477	228	113742	20.80	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.542	149	72206	22.71	ppm		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.230	149	109176	23.83	ppm	99
94) Benzo[b]fluoranthene	12.648	252	121301	21.35	ppm	97
95) Benzo[k]fluoranthene	12.672	252	125067	22.57	ppm	97
96) Benzo[a]pyrene	12.989	252	113294	23.38	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.324	276	137292	22.48	ppm	88
98) Dibenz[a,h]anthracene	14.336	278	111343	22.51	ppm	98
99) Benzo[g,h,i]perylene	14.671	276	114707	22.23	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

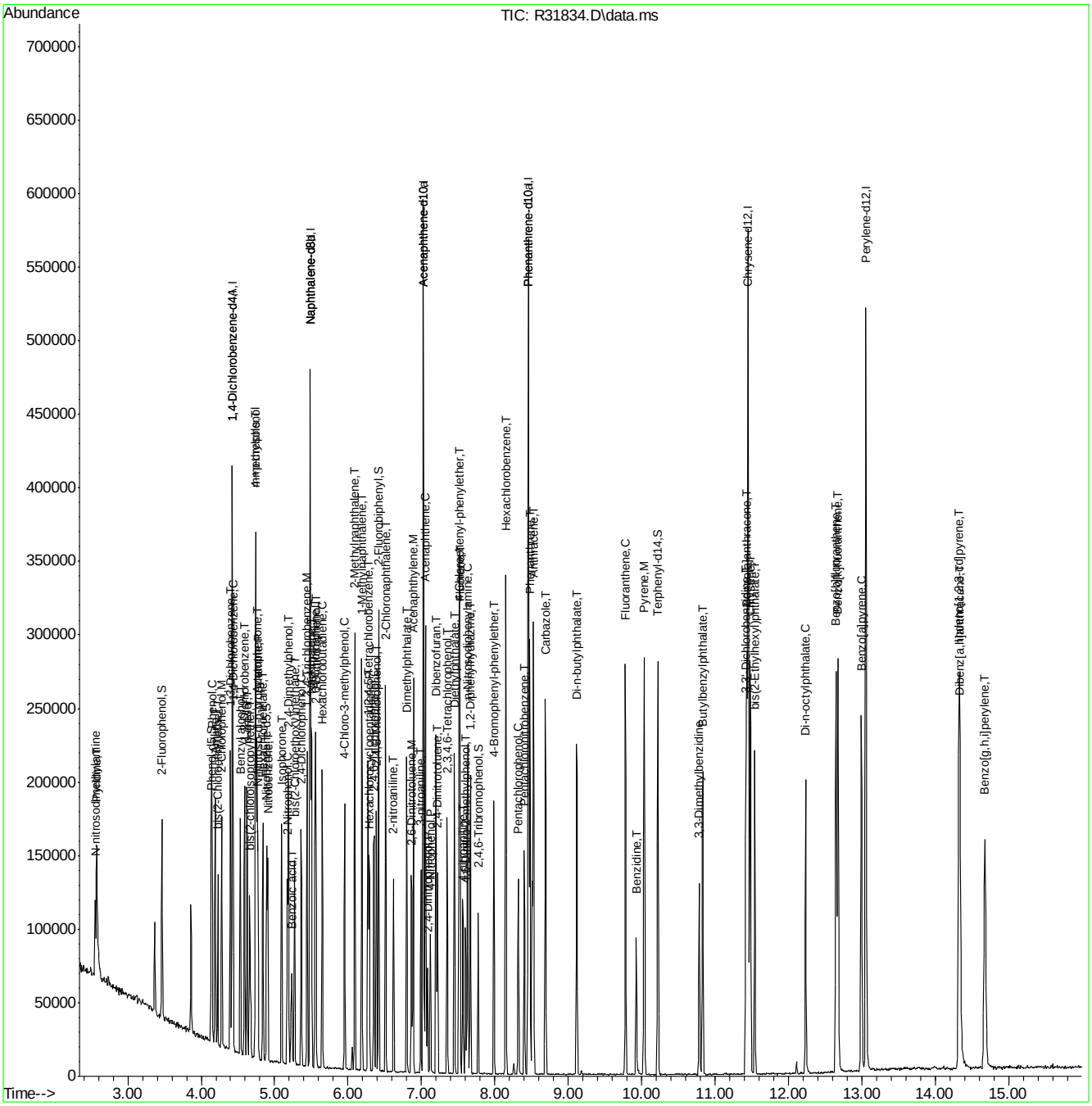
9.6.5

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	60503	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	60503	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	224861	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	224861	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	138065	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	138065	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	242175	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	242175	40.00	ppm		0.00
82) Chrysene-d12	11.454	240	270189	40.00	ppm		0.00
92) Perylene-d12	13.054	264	262365	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	224861	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.466	112	146080	80.95	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 80.95%				
7) Phenol-d5	4.143	99	185174	80.94	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 80.94%				
24) Nitrobenzene-d5	4.890	82	171072	80.83	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 161.66%#				
48) 2-Fluorobiphenyl	6.419	172	367337	80.74	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 161.48%#				
71) 2,4,6-Tribromophenol	7.778	330	62320	92.29	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 92.29%				
85) Terphenyl-d14	10.219	244	466379	82.34	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 164.68%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.560	74	95161	81.70	ug/l		85
3) Pyridine	2.572	79	173375	80.79	ppm		93
4) Aniline	4.190	93	226620	84.44	ppm	#	1
6) bis(2-Chloroethyl)ether	4.225	63	103993	80.55	ppm		88
8) Phenol	4.154	94	189494	84.19	ppm		97
9) 2-Chlorophenol	4.284	128	158965	84.00	ppm		97
10) 1,3-Dichlorobenzene	4.396	146	174784	80.12	ppm		99
11) 1,4-Dichlorobenzene	4.437	146	183171	81.11	ppm		99
12) 1,2-Dichlorobenzene	4.590	146	165338	82.49	ppm		98
13) Benzyl alcohol	4.537	108	102620	84.95	ppm		98
14) bis(2-chloroisopropyl)...	4.660	45	178962	81.07	ppm		83
15) o-cresol	4.631	108	139697	85.98	ppm		81
16) Acetophenone	4.760	105	224175	82.43	ppm		96
17) Hexachloroethane	4.843	117	68901	81.79	ppm		91
18) N-Nitroso-di-n-propyla...	4.778	70	105251	82.71	ppm		85
19) m+p-cresols	4.749	108	302988	170.50	ppm		97
20) 4-methylphenol	4.749	108	302988	170.54	ppm		97
25) Nitrobenzene	4.907	77	170655	79.02	ppm		93
26) Isophorone	5.096	82	290293	82.57	ppm		99
27) 2-Nitrophenol	5.172	139	83722	84.52	ppm		88
28) 2,4-Dimethylphenol	5.190	107	153128	82.90	ppm		97
29) bis(2-Chloroethoxy)met...	5.272	93	173481	81.47	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30)	Benzoic acid	5.272	105	117860	105.90	ppm		92
31)	2,4-Dichlorophenol	5.366	162	136507	83.63	ppm		99
32)	1,2,4-Trichlorobenzene	5.443	180	147150	79.28	ppm		97
33)	Naphthalene	5.501	128	460263	79.67	ppm		99
34)	2,6-Dichlorophenol	5.566	162	132676	81.21	ppm		94
35)	4-Chloroaniline	5.554	127	195522	82.47	ppm		100
36)	Hexachlorobutadiene	5.649	225	93063	80.50	ppm		98
37)	4-Chloro-3-methylphenol	5.954	107	133116	85.08	ppm		92
38)	2-Methylnaphthalene	6.090	142	329038	81.41	ppm		95
39)	1-Methylnaphthalene	6.190	142	317890	80.22	ppm		93
40)	1,2,4,5-Tetrachloroben...	6.272	216	168769	77.33	ppm		100
44)	Pentachloronitrobenzene	8.407	237	48472	86.95	ppm		96
45)	Hexachlorocyclopentadiene	6.290	237	111120	86.16	ppm		98
46)	2,4,6-Trichlorophenol	6.354	196	107277	87.29	ppm		93
47)	2,4,5-Trichlorophenol	6.384	196	111256	84.96	ppm		99
49)	2-Chloronaphthalene	6.513	162	293904	80.48	ppm		94
50)	Acenaphthylene	6.890	152	490303	83.68	ppm		100
51)	Dimethylphthalate	6.807	163	344670	83.57	ppm		100
52)	2,4-Dinitrotoluene	7.225	165	105039	86.92	ppm		96
53)	Acenaphthene	7.054	153	316498	83.17	ppm		99
54)	2,4-Dinitrophenol	7.084	184	54411	94.72	ppm		96
55)	Dibenzofuran	7.201	168	446301	82.76	ppm		99
56)	2,6-Dinitrotoluene	6.866	165	82198	91.25	ppm		73
57)	4-Nitrophenol	7.125	65	68946	86.42	ppm	#	76
58)	2,3,4,6-Tetrachlorophenol	7.348	232	99182	91.28	ppm		100
59)	Fluorene	7.525	166	361247	83.64	ppm		100
60)	4-Chlorophenyl-phenyle...	7.519	204	176034	82.76	ppm		98
61)	Diethylphthalate	7.454	149	345081	84.36	ppm		98
62)	2-nitroaniline	6.625	138	99381	89.98	ppm		90
63)	3-nitroaniline	6.995	138	86569	86.86	ppm		93
64)	4-nitroaniline	7.572	138	83664	84.83	ppm		85
68)	4,6-Dinitro-2-methylph...	7.613	198	73851	95.45	ppm		100
69)	n-Nitrosodiphenylamine	7.631	169	260791	84.95	ppm		98
70)	1,2-Diphenylhydrazine	7.666	77	332090	82.14	ppm		96
72)	4-Bromophenyl-phenylether	7.990	248	105847	82.73	ppm		99
73)	Hexachlorobenzene	8.148	284	118666	81.09	ppm		99
74)	Pentachlorophenol	8.325	266	82047	95.21	ppm		98
75)	Phenanthrene	8.484	178	529132	82.23	ppm		100
76)	Anthracene	8.531	178	556788	85.40	ppm		99
77)	Carbazole	8.695	167	500802	87.62	ppm		99
78)	Di-n-butylphthalate	9.119	149	613562	89.98	ppm		100
79)	Fluoranthene	9.784	202	577075	86.86	ppm		98
83)	Benzidine	9.925	184	206250	95.20	ppm		99
84)	Pyrene	10.036	202	624149	83.22	ppm		100
86)	3,3-Dimethylbenzidine	10.789	212	268450	96.58	ppm		100
87)	Butylbenzylphthalate	10.831	149	260925	86.20	ppm		95
88)	3,3'-Dichlorobenzidine	11.419	252	231674	98.82	ppm		99
89)	Benzo[a]anthracene	11.430	228	576686	85.77	ppm		100
90)	Chrysene	11.483	228	559366	82.46	ppm		98
91)	bis(2-Ethylhexyl)phtha...	11.542	149	380195	93.97	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration

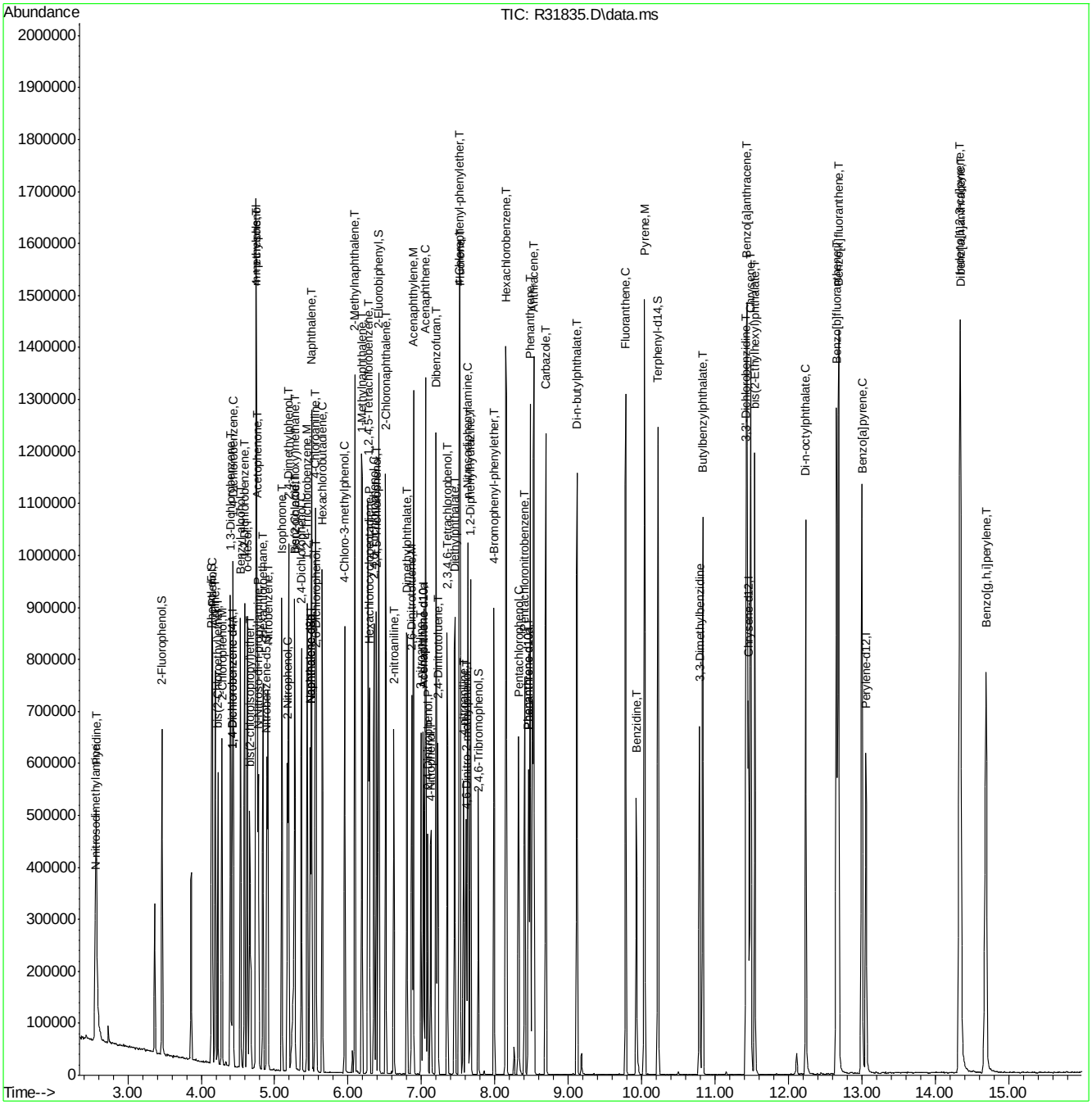
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	613966	103.10	ppm	99
94) Benzo[b]fluoranthene	12.654	252	605090	84.71	ppm	99
95) Benzo[k]fluoranthene	12.683	252	622047	88.23	ppm	97
96) Benzo[a]pyrene	13.001	252	570752	91.86	ppm	96
97) Indeno[1,2,3-cd]pyrene	14.336	276	702968	90.54	ppm	91
98) Dibenz[a,h]anthracene	14.342	278	559431	88.94	ppm	99
99) Benzo[g,h,i]perylene	14.689	276	577222	88.23	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	54158	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	54158	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	200776	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	200776	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	125917	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	125917	40.00	ppm	0.00
67) Phenanthrene-d10	8.460	188	221086	40.00	ppm	0.00
80) Phenanthrene-d10a	8.460	188	221086	40.00	ppm	0.00
82) Chrysene-d12	11.460	240	241245	40.00	ppm	0.00
92) Perylene-d12	13.060	264	234497	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	200776m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	206362	127.50	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 127.50%			
7) Phenol-d5	4.143	99	259408	126.43	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 126.43%			
24) Nitrobenzene-d5	4.895	82	236116	124.74	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 249.48%#			
48) 2-Fluorobiphenyl	6.425	172	514301	123.76	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 247.52%#			
71) 2,4,6-Tribromophenol	7.778	330	86880	136.74	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 136.74%#			
85) Terphenyl-d14	10.224	244	647239	127.36	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 254.72%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.554	74	133517	127.52	ug/l #	81
3) Pyridine	2.566	79	238557	123.95	ppm	89
4) Aniline	4.190	93	312582	128.92	ppm #	1
6) bis(2-Chloroethyl)ether	4.225	63	147175	127.21	ppm	85
8) Phenol	4.154	94	261710	128.78	ppm	98
9) 2-Chlorophenol	4.284	128	224163	131.24	ppm	97
10) 1,3-Dichlorobenzene	4.395	146	243499	124.66	ppm	98
11) 1,4-Dichlorobenzene	4.437	146	255712	126.21	ppm	97
12) 1,2-Dichlorobenzene	4.590	146	234064	129.79	ppm	99
13) Benzyl alcohol	4.537	108	143767	131.33	ppm	98
14) bis(2-chloroisopropyl)...	4.660	45	247142	124.79	ppm	81
15) o-cresol	4.631	108	189936	128.99	ppm	79
16) Acetophenone	4.766	105	310217	126.80	ppm	98
17) Hexachloroethane	4.842	117	95857	126.65	ppm	91
18) N-Nitroso-di-n-propyla...	4.784	70	146586	127.97	ppm	86
19) m+p-cresols	4.754	108	420159	261.28	ppm	98
20) 4-methylphenol	4.754	108	420159	261.33	ppm	98
25) Nitrobenzene	4.907	77	233401	121.28	ppm	92
26) Isophorone	5.095	82	406653	128.86	ppm	98
27) 2-Nitrophenol	5.178	139	116124	129.83	ppm	97
28) 2,4-Dimethylphenol	5.190	107	217491	130.92	ppm	95
29) bis(2-Chloroethoxy)met...	5.272	93	241373	126.48	ppm	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.284	105	168394	156.77	ppm		96
31) 2,4-Dichlorophenol	5.366	162	187778	127.69	ppm		97
32) 1,2,4-Trichlorobenzene	5.448	180	204227	123.41	ppm		99
33) Naphthalene	5.501	128	642164	124.57	ppm		99
34) 2,6-Dichlorophenol	5.566	162	186478	127.45	ppm		96
35) 4-Chloroaniline	5.554	127	268103	125.88	ppm		100
36) Hexachlorobutadiene	5.648	225	129200	125.04	ppm		100
37) 4-Chloro-3-methylphenol	5.954	107	183644	129.80	ppm		97
38) 2-Methylnaphthalene	6.089	142	452390	124.99	ppm		96
39) 1-Methylnaphthalene	6.189	142	433056	122.34	ppm		96
40) 1,2,4,5-Tetrachloroben...	6.272	216	232522	119.99	ppm		98
44) Pentachloronitrobenzene	8.407	237	66864	128.72	ppm		96
45) Hexachlorocyclopentadiene	6.289	237	157499	131.87	ppm		96
46) 2,4,6-Trichlorophenol	6.354	196	147593	129.32	ppm		96
47) 2,4,5-Trichlorophenol	6.384	196	153108	126.64	ppm		100
49) 2-Chloronaphthalene	6.519	162	411276	123.36	ppm		97
50) Acenaphthylene	6.889	152	681362	126.54	ppm		99
51) Dimethylphthalate	6.807	163	475981	125.60	ppm		99
52) 2,4-Dinitrotoluene	7.225	165	147554	131.60	ppm		91
53) Acenaphthene	7.060	153	435291	124.60	ppm		100
54) 2,4-Dinitrophenol	7.089	184	79663	143.27	ppm		91
55) Dibenzofuran	7.201	168	620765	125.49	ppm		97
56) 2,6-Dinitrotoluene	6.872	165	114393	135.43	ppm	#	62
57) 4-Nitrophenol	7.131	65	95470	128.63	ppm		87
58) 2,3,4,6-Tetrachlorophenol	7.354	232	134031	131.54	ppm		98
59) Fluorene	7.525	166	499158	125.77	ppm		99
60) 4-Chlorophenyl-phenyle...	7.519	204	240768	123.41	ppm		95
61) Diethylphthalate	7.454	149	476544	126.58	ppm		98
62) 2-nitroaniline	6.625	138	137621	133.29	ppm		91
63) 3-nitroaniline	6.995	138	119043	128.22	ppm		88
64) 4-nitroaniline	7.578	138	119501	130.88	ppm		88
68) 4,6-Dinitro-2-methylph...	7.613	198	101635	137.27	ppm		100
69) n-Nitrosodiphenylamine	7.636	169	360102	127.18	ppm		98
70) 1,2-Diphenylhydrazine	7.672	77	456935	123.25	ppm		97
72) 4-Bromophenyl-phenylether	7.989	248	148681	126.58	ppm		97
73) Hexachlorobenzene	8.148	284	164135	122.58	ppm		99
74) Pentachlorophenol	8.325	266	116494	141.36	ppm		97
75) Phenanthrene	8.483	178	722841	122.47	ppm		99
76) Anthracene	8.530	178	764579	127.03	ppm		99
77) Carbazole	8.695	167	706065	133.20	ppm		99
78) Di-n-butylphthalate	9.119	149	847814	132.88	ppm		99
79) Fluoranthene	9.783	202	795520	129.31	ppm		100
83) Benzidine	9.930	184	282972	140.93	ppm		99
84) Pyrene	10.042	202	870788	129.17	ppm		97
86) 3,3-Dimethylbenzidine	10.789	212	366855	141.93	ppm		100
87) Butylbenzylphthalate	10.830	149	370106	134.85	ppm		97
88) 3,3'-Dichlorobenzidine	11.424	252	323904	147.78	ppm		98
89) Benzo[a]anthracene	11.436	228	800204	131.71	ppm		100
90) Chrysene	11.489	228	780853	128.27	ppm		99
91) bis(2-Ethylhexyl)phtha...	11.542	149	534624	142.99	ppm		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration

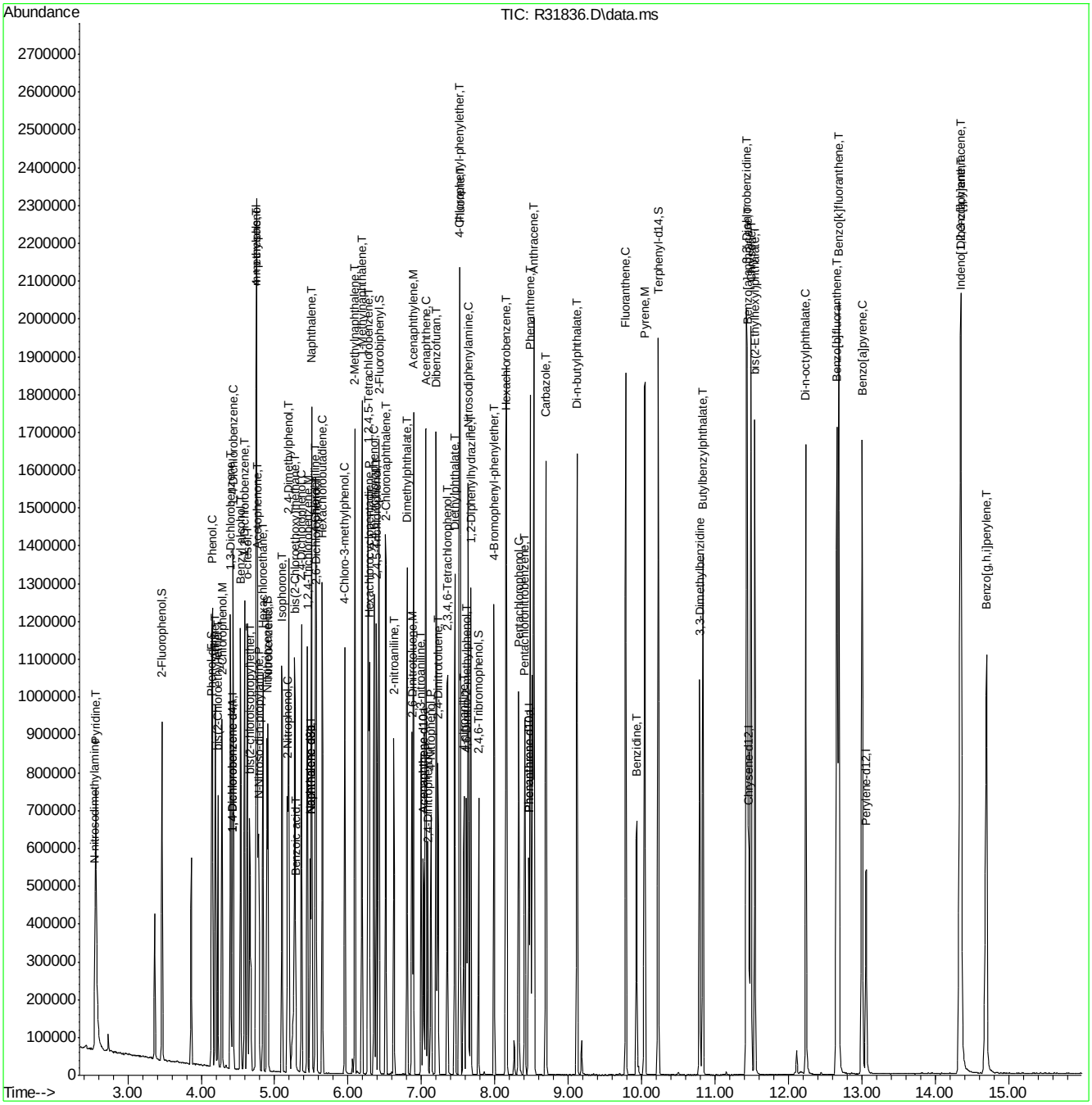
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	881487	156.57	ppm	99
94) Benzo[b]fluoranthene	12.660	252	907022	140.68	ppm	98
95) Benzo[k]fluoranthene	12.683	252	813670	126.95	ppm	98
96) Benzo[a]pyrene	13.001	252	784721	137.90	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.342	276	992175	139.90	ppm	95
98) Dibenz[a,h]anthracene	14.348	278	797085	139.18	ppm	98
99) Benzo[g,h,i]perylene	14.695	276	806240	135.55	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	50272	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	50272	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	179223	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	179223	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	113814	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	113814	40.00	ppm	0.00
67) Phenanthrene-d10	8.460	188	198099	40.00	ppm	0.00
80) Phenanthrene-d10a	8.460	188	198099	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	218244	40.00	ppm	0.00
92) Perylene-d12	13.054	264	210724	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	179232m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	253032	166.93	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 166.93%#			
7) Phenol-d5	4.148	99	320502	167.00	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 167.00%#			
24) Nitrobenzene-d5	4.895	82	288990	170.07	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 340.14%#			
48) 2-Fluorobiphenyl	6.425	172	620525	164.47	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 328.94%#			
71) 2,4,6-Tribromophenol	7.778	330	105558	181.20	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 181.20%#			
85) Terphenyl-d14	10.224	244	785889	169.46	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 338.92%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.554	74	164142	167.14	ug/l	84
3) Pyridine	2.566	79	288336	160.51	ppm	91
4) Aniline	4.195	93	383349	168.54	ppm #	1
6) bis(2-Chloroethyl)ether	4.225	63	178550	164.85	ppm	84
8) Phenol	4.154	94	322550	169.21	ppm	97
9) 2-Chlorophenol	4.284	128	271462	168.95	ppm	100
10) 1,3-Dichlorobenzene	4.395	146	300207	164.66	ppm	98
11) 1,4-Dichlorobenzene	4.437	146	314444	165.97	ppm	96
12) 1,2-Dichlorobenzene	4.590	146	285461	168.56	ppm	100
13) Benzyl alcohol	4.537	108	174167	168.75	ppm	95
14) bis(2-chloroisopropyl)...	4.660	45	305677	165.34	ppm	81
15) o-cresol	4.631	108	234170	169.51	ppm	81
16) Acetophenone	4.766	105	376289	164.36	ppm	100
17) Hexachloroethane	4.842	117	115747	163.46	ppm	92
18) N-Nitroso-di-n-propyla...	4.784	70	179357	167.09	ppm	85
19) m+p-cresols	4.754	108	516535	341.72	ppm	98
20) 4-methylphenol	4.754	108	516535	341.77	ppm	98
25) Nitrobenzene	4.913	77	286519	166.53	ppm	97
26) Isophorone	5.101	82	497277	174.68	ppm	98
27) 2-Nitrophenol	5.178	139	145555	179.85	ppm	98
28) 2,4-Dimethylphenol	5.190	107	264615	175.78	ppm	96
29) bis(2-Chloroethoxy)met...	5.278	93	294839	171.53	ppm	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.290	105	209388	205.77	ppm		92
31) 2,4-Dichlorophenol	5.366	162	232823	175.48	ppm		98
32) 1,2,4-Trichlorobenzene	5.448	180	254785	171.78	ppm		98
33) Naphthalene	5.501	128	803204	173.61	ppm		99
34) 2,6-Dichlorophenol	5.566	162	225612	170.97	ppm		96
35) 4-Chloroaniline	5.560	127	333729	174.11	ppm		100
36) Hexachlorobutadiene	5.648	225	155868	167.98	ppm		98
37) 4-Chloro-3-methylphenol	5.954	107	224748	175.57	ppm		99
38) 2-Methylnaphthalene	6.095	142	558643	171.89	ppm		95
39) 1-Methylnaphthalene	6.189	142	530263	167.35	ppm		95
40) 1,2,4,5-Tetrachloroben...	6.272	216	283132	163.68	ppm		100
44) Pentachloronitrobenzene	8.413	237	83018	174.28	ppm		98
45) Hexachlorocyclopentadiene	6.289	237	194667	177.40	ppm		98
46) 2,4,6-Trichlorophenol	6.354	196	179613	171.89	ppm		94
47) 2,4,5-Trichlorophenol	6.384	196	187671	170.16	ppm		96
49) 2-Chloronaphthalene	6.519	162	500046	165.28	ppm		96
50) Acenaphthylene	6.889	152	834518	170.14	ppm		100
51) Dimethylphthalate	6.807	163	583310	169.17	ppm		99
52) 2,4-Dinitrotoluene	7.231	165	182759	177.48	ppm		95
53) Acenaphthene	7.060	153	537854	169.40	ppm		99
54) 2,4-Dinitrophenol	7.089	184	97223	184.50	ppm		85
55) Dibenzofuran	7.201	168	756639	168.13	ppm		98
56) 2,6-Dinitrotoluene	6.872	165	138375	177.44	ppm	#	62
57) 4-Nitrophenol	7.131	65	118394	173.98	ppm		83
58) 2,3,4,6-Tetrachlorophenol	7.354	232	166949	178.41	ppm		98
59) Fluorene	7.531	166	616734	170.74	ppm		98
60) 4-Chlorophenyl-phenyle...	7.519	204	293229	165.61	ppm		96
61) Diethylphthalate	7.454	149	586849	171.12	ppm		97
62) 2-nitroaniline	6.625	138	170792	179.70	ppm		89
63) 3-nitroaniline	7.001	138	146154	171.81	ppm		95
64) 4-nitroaniline	7.578	138	146300	174.11	ppm		84
68) 4,6-Dinitro-2-methylph...	7.613	198	128568	188.37	ppm		100
69) n-Nitrosodiphenylamine	7.636	169	440260	172.06	ppm		99
70) 1,2-Diphenylhydrazine	7.672	77	564004	169.13	ppm		98
72) 4-Bromophenyl-phenylether	7.989	248	180393	170.06	ppm		97
73) Hexachlorobenzene	8.148	284	200255	166.40	ppm		99
74) Pentachlorophenol	8.325	266	141190	184.63	ppm		97
75) Phenanthrene	8.483	178	909636	171.50	ppm		98
76) Anthracene	8.530	178	938236	172.53	ppm		99
77) Carbazole	8.701	167	859533	178.17	ppm		99
78) Di-n-butylphthalate	9.119	149	1047691	180.04	ppm		100
79) Fluoranthene	9.783	202	986010	176.91	ppm		97
83) Benzidine	9.930	184	359721	198.04	ppm		99
84) Pyrene	10.042	202	1079071	175.03	ppm		97
86) 3,3-Dimethylbenzidine	10.789	212	452555	193.54	ppm		100
87) Butylbenzylphthalate	10.830	149	457121	180.38	ppm		95
88) 3,3'-Dichlorobenzidine	11.424	252	400871	194.66	ppm		97
89) Benzo[a]anthracene	11.436	228	980256	175.90	ppm		100
90) Chrysene	11.489	228	952946	171.35	ppm		99
91) bis(2-Ethylhexyl)phtha...	11.542	149	665537	190.68	ppm		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	1096487	206.25	ppm	99
94) Benzo[b]fluoranthene	12.660	252	1081845	182.24	ppm	98
95) Benzo[k]fluoranthene	12.683	252	1028774	177.16	ppm	98
96) Benzo[a]pyrene	13.001	252	962978	184.39	ppm	99
97) Indeno[1,2,3-cd]pyrene	14.342	276	1197113	183.49	ppm	96
98) Dibenz[a,h]anthracene	14.348	278	971298	184.52	ppm	99
99) Benzo[g,h,i]perylene	14.695	276	965112	177.29	ppm	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

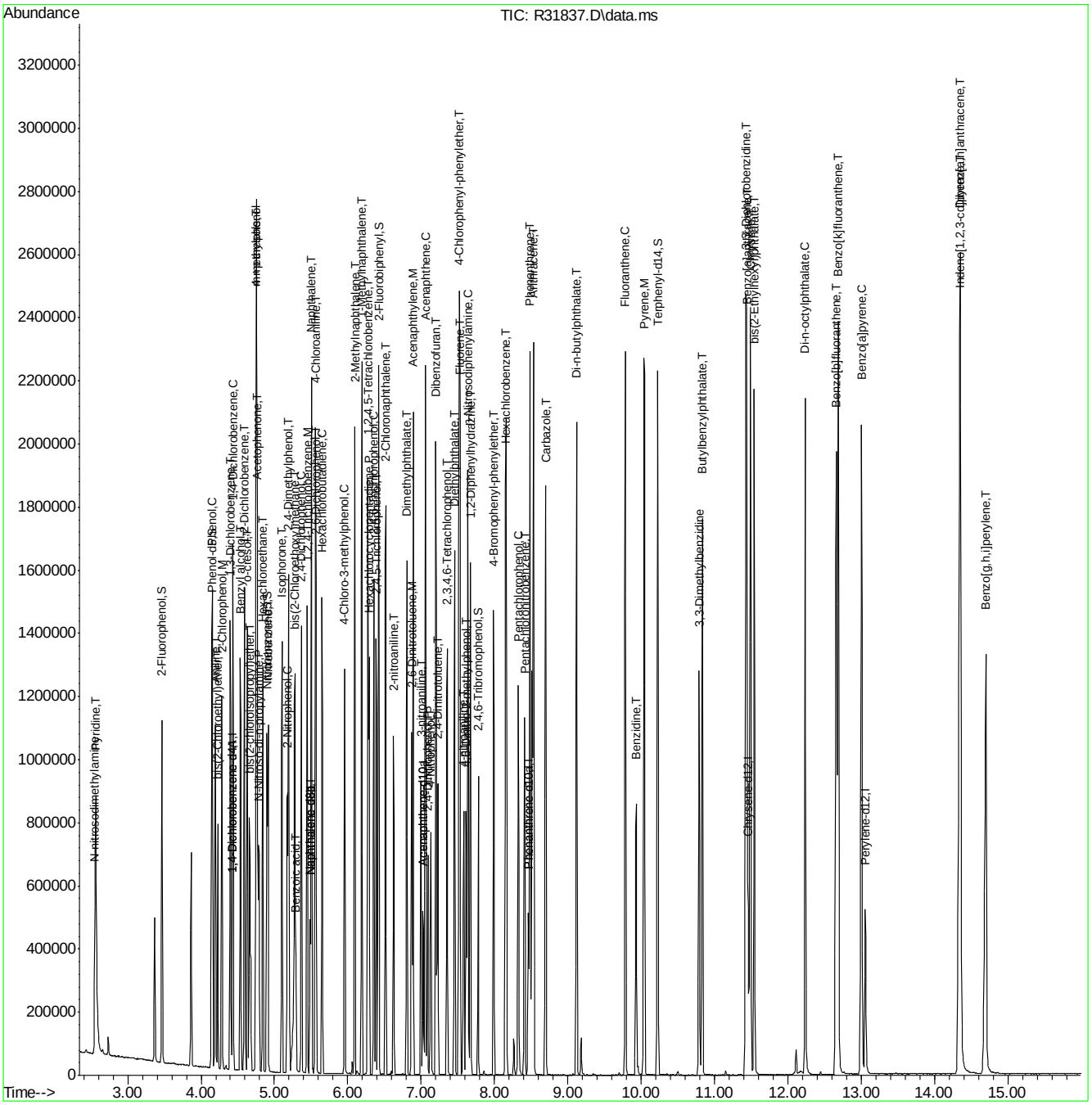
9.6.8

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31839.D
Acq On : 28 Jun 2013 11:13 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 08 17:07:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:56:20 2013
Response via : Initial Calibration

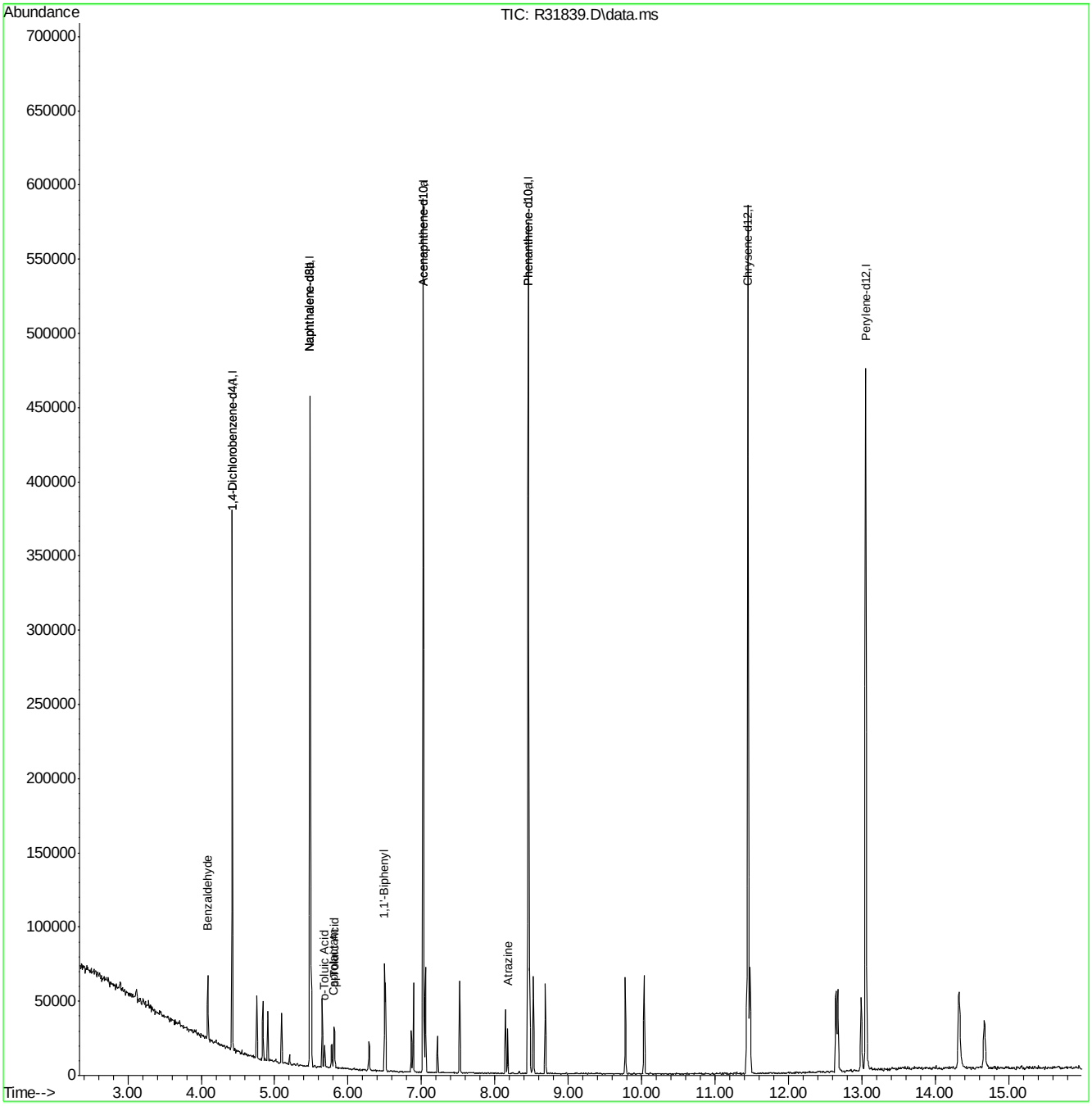
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	51755m	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	51769	40.00	PPM		0.00
23) Naphthalene-d8	5.478	136	185984m	40.00	ppm		0.00
41) Naphthalene-d8a	5.478	136	185981	40.00	ppm	#	0.00
43) Acenaphthene-d10	7.025	164	113905m	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	113927	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	203257m	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	202138	40.00	ppm		0.00
82) Chrysene-d12	11.448	240	217514m	40.00	ppm		0.00
92) Perylene-d12	13.054	264	214634m	40.00	ppm		0.00
100) Naphthalene-d8b	5.478	136	185989m	40.00	ug/mL		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
22) Benzaldehyde	4.090	77	5986m	4.51	ppm		
42) Caprolactam	5.807	55	2460	3.33	ppm	#	100
66) 1,1'-Biphenyl	6.495	154	20604	4.85	ppm	#	100
81) Atrazine	8.178	200	4006	3.69	ppm	#	100
101) o-Toluic Acid	5.678	118	2302m	2.57	ug/mL		
103) p-Toluic Acid	5.819	91	5443	3.49	ug/mL	#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31839.D
Acq On : 28 Jun 2013 11:13 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 08 17:07:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:56:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31840.D
Acq On : 28 Jun 2013 11:36 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 08 17:07:14 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:57:50 2013
Response via : Initial Calibration

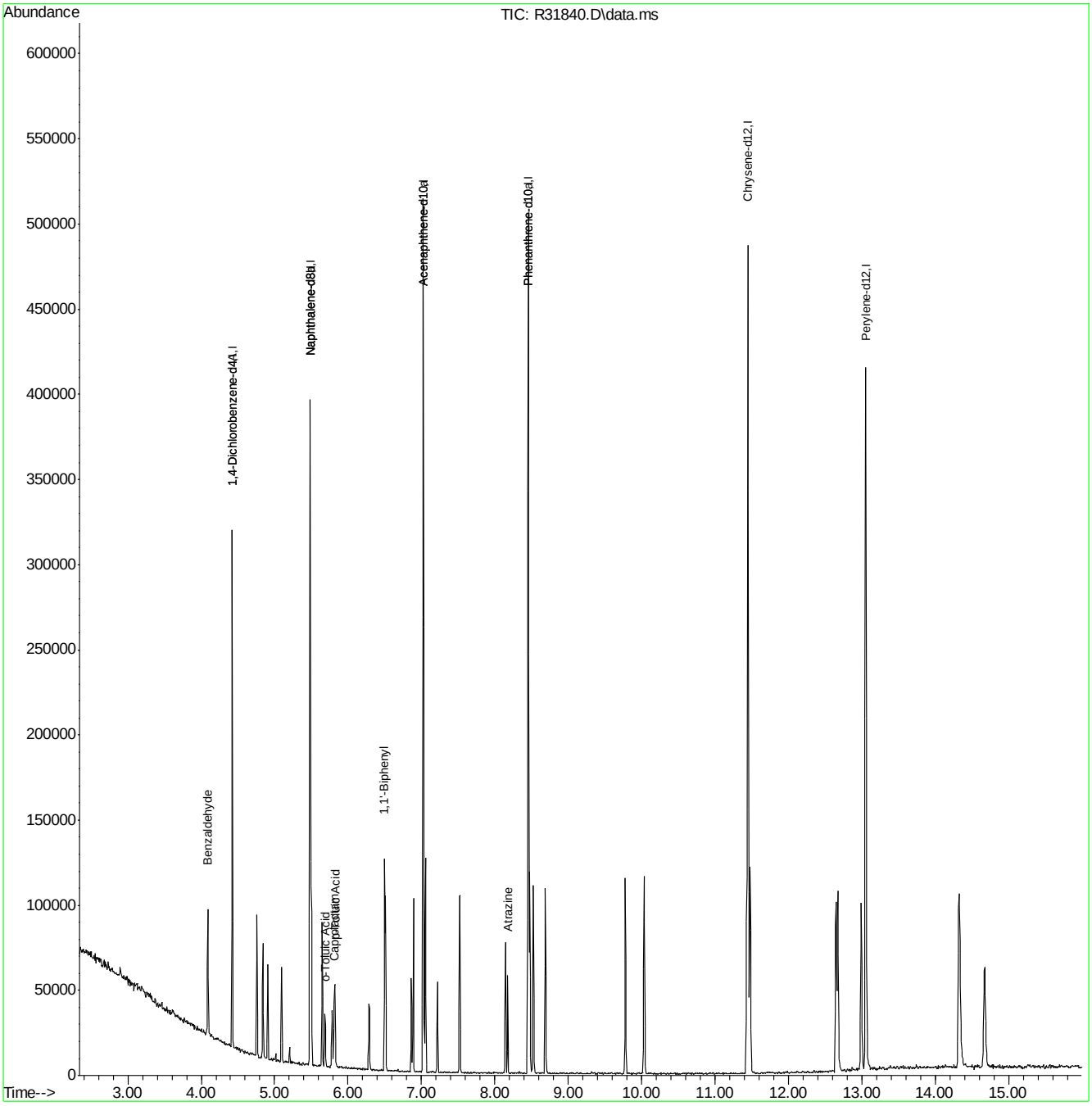
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	43065m	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	43061	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	158287m	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	158278	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	95549m	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	95543	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	175803m	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	174860	40.00	ppm		0.00
82) Chrysene-d12	11.448	240	186746m	40.00	ppm		0.00
92) Perylene-d12	13.054	264	183518m	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	158293m	40.00	ug/mL		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
22) Benzaldehyde	4.090	77	12205m	11.63	ppm		
42) Caprolactam	5.813	55	5213	9.96	ppm	#	100
66) 1,1'-Biphenyl	6.495	154	34137	9.73	ppm	#	100
81) Atrazine	8.178	200	7756	9.51	ppm	#	100
101) o-Toluic Acid	5.690	118	4927m	8.53	ug/mL		
103) p-Toluic Acid	5.825	91	11795	10.46	ug/mL	#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31840.D
Acq On : 28 Jun 2013 11:36 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 08 17:07:14 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:57:50 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31841.D
Acq On : 28 Jun 2013 11:59 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 08 17:07:54 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:58:44 2013
Response via : Initial Calibration

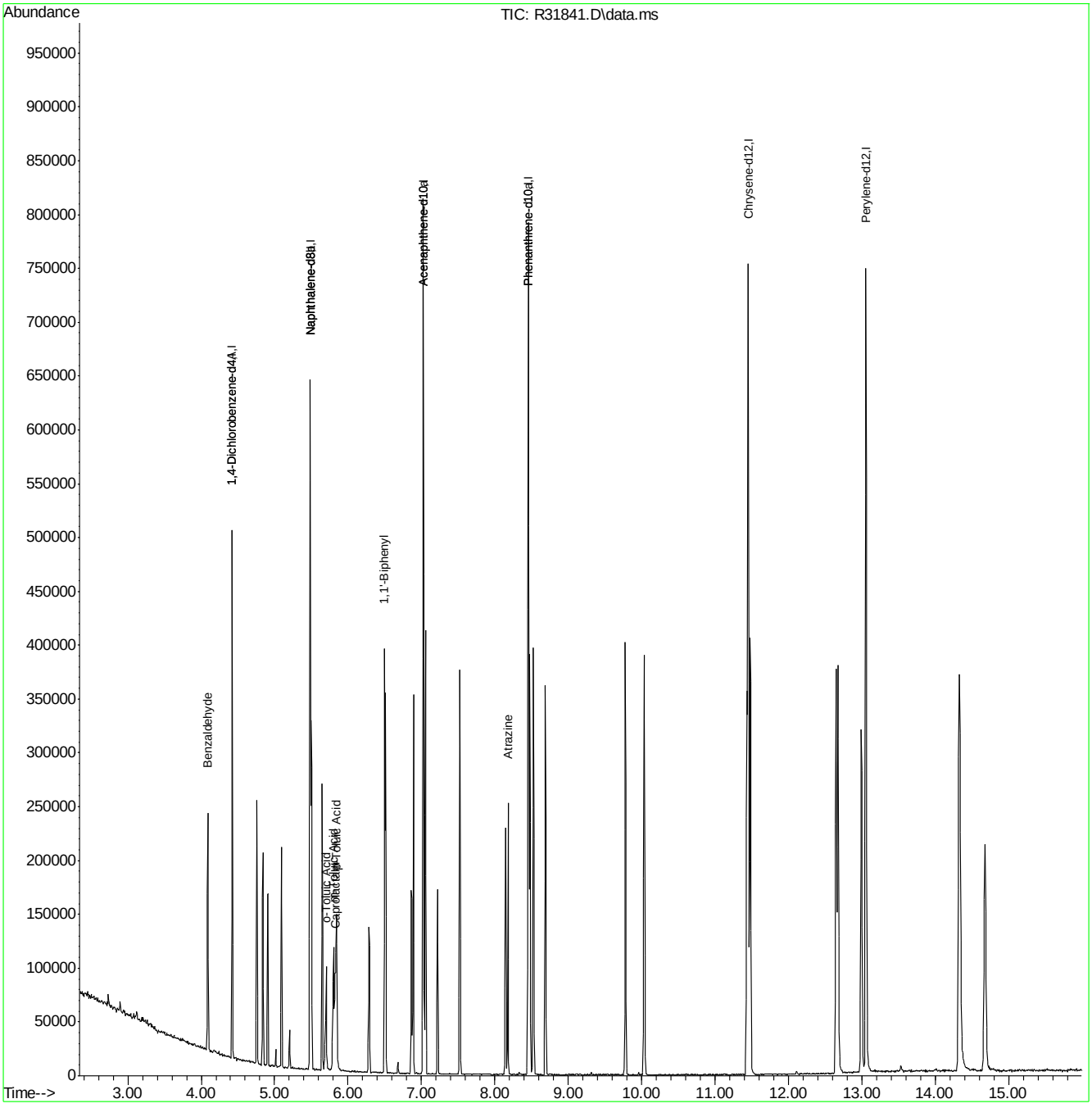
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.419	152	70121m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.419	152	70114	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	248909m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	248898	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	157195m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	157189	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	277532m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	275791	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	317196m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	311683m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	248932m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	35008m	19.43	ppm	
42) Caprolactam	5.825	55	18376	22.36	ppm	# 100
66) 1,1'-Biphenyl	6.495	154	109313	19.11	ppm	# 100
81) Atrazine	8.178	200	27375	21.64	ppm	# 100
101) o-Toluic Acid	5.701	118	19381m	22.43	ug/mL	
102) m-Toluic Acid	5.801	136	22150m	19.74	ug/mL	
103) p-Toluic Acid	5.842	91	38523	21.40	ug/mL#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31841.D
Acq On : 28 Jun 2013 11:59 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 08 17:07:54 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:58:44 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31842.D
Acq On : 29 Jun 2013 12:21 am
Operator : kristinr
Sample : IC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 08 17:08:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:56:09 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	99665m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	99689	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	359948m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	359938	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	220423m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	220393	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	399652m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	397954	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	457283m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	457187m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	359814m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue

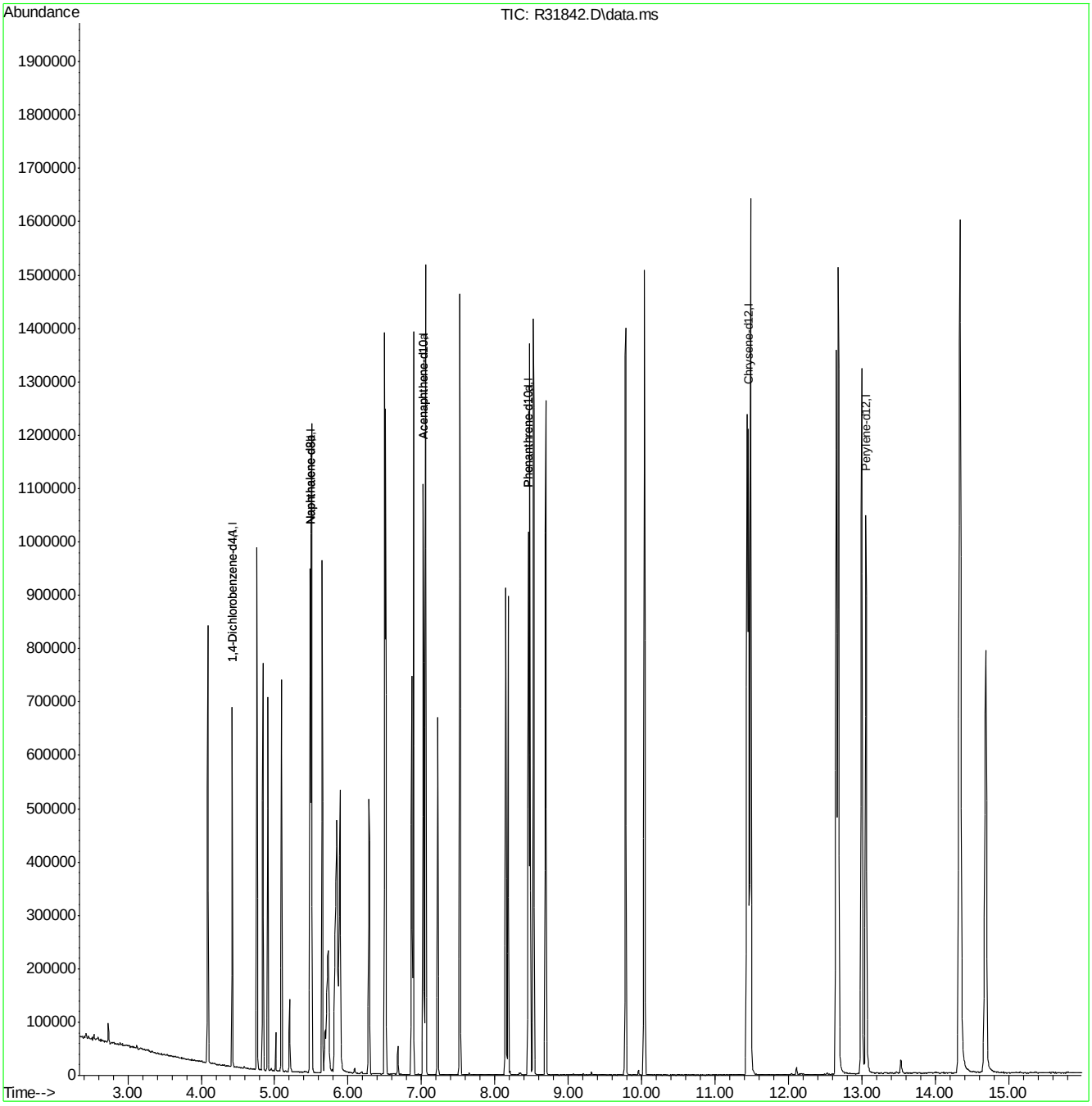
(#) = qualifier out of range (m) = manual integration (+) = signals summed

9.6.12
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31842.D
Acq On : 29 Jun 2013 12:21 am
Operator : kristinr
Sample : IC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 08 17:08:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:56:09 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31843.D
Acq On : 29 Jun 2013 12:45 am
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 08 17:08:37 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:00:42 2013
Response via : Initial Calibration

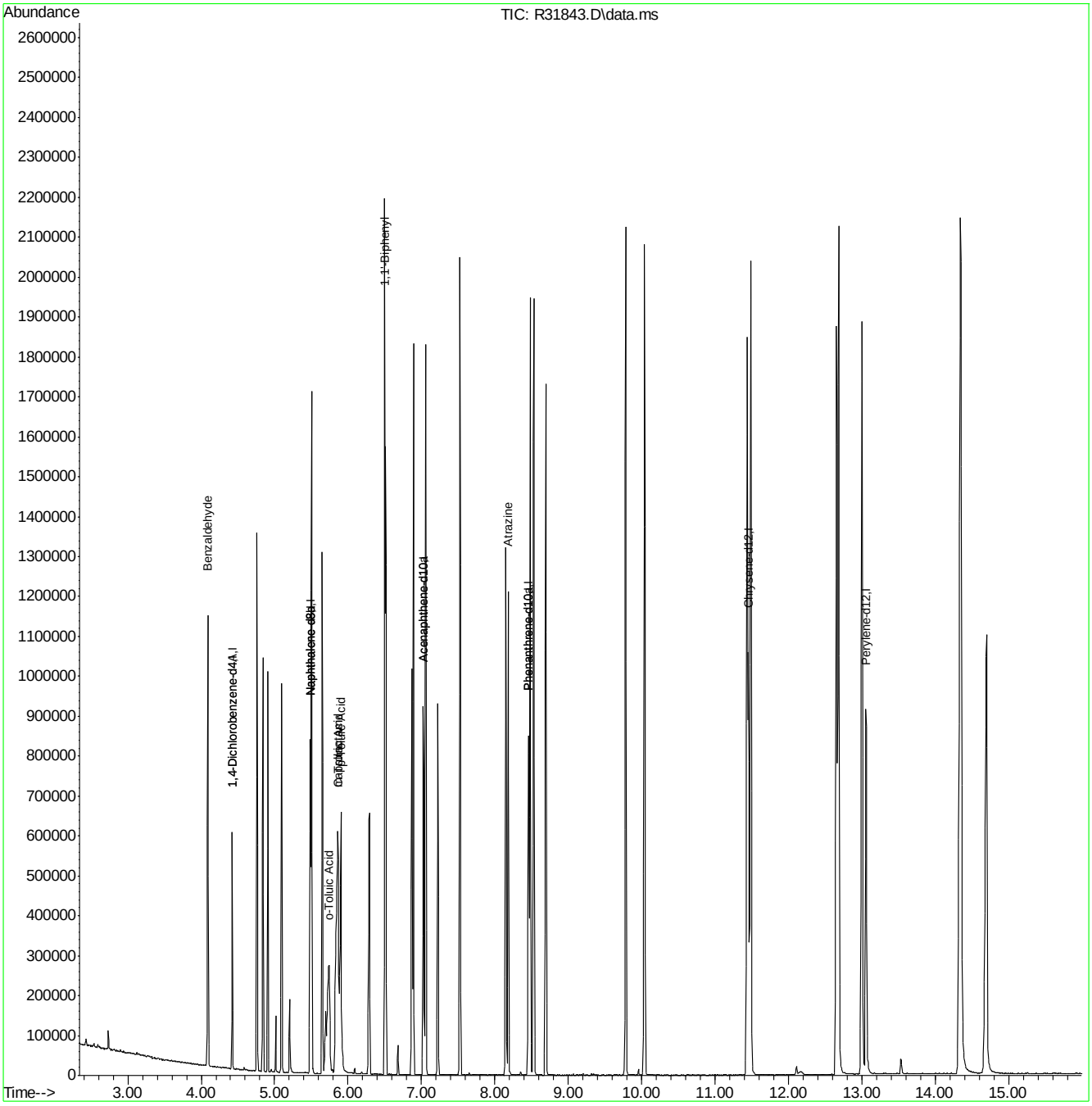
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	81660m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	81658	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	308277m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	308252	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	193654m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	193645	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	348848m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	347113	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	394970m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	393582m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	308242m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	168278m	80.76	ppm	
42) Caprolactam	5.860	55	96297m	91.89	ppm	
66) 1,1'-Biphenyl	6.501	154	566530	81.30	ppm #	100
81) Atrazine	8.183	200	147503	90.77	ppm #	100
101) o-Toluic Acid	5.742	118	125061m	113.45	ug/mL	
102) m-Toluic Acid	5.860	136	145492m	72.37	ug/mL	
103) p-Toluic Acid	5.907	91	194511m	85.77	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31843.D
Acq On : 29 Jun 2013 12:45 am
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 08 17:08:37 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:00:42 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31844.D
Acq On : 29 Jun 2013 1:08 am
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 08 17:09:01 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:02:34 2013
Response via : Initial Calibration

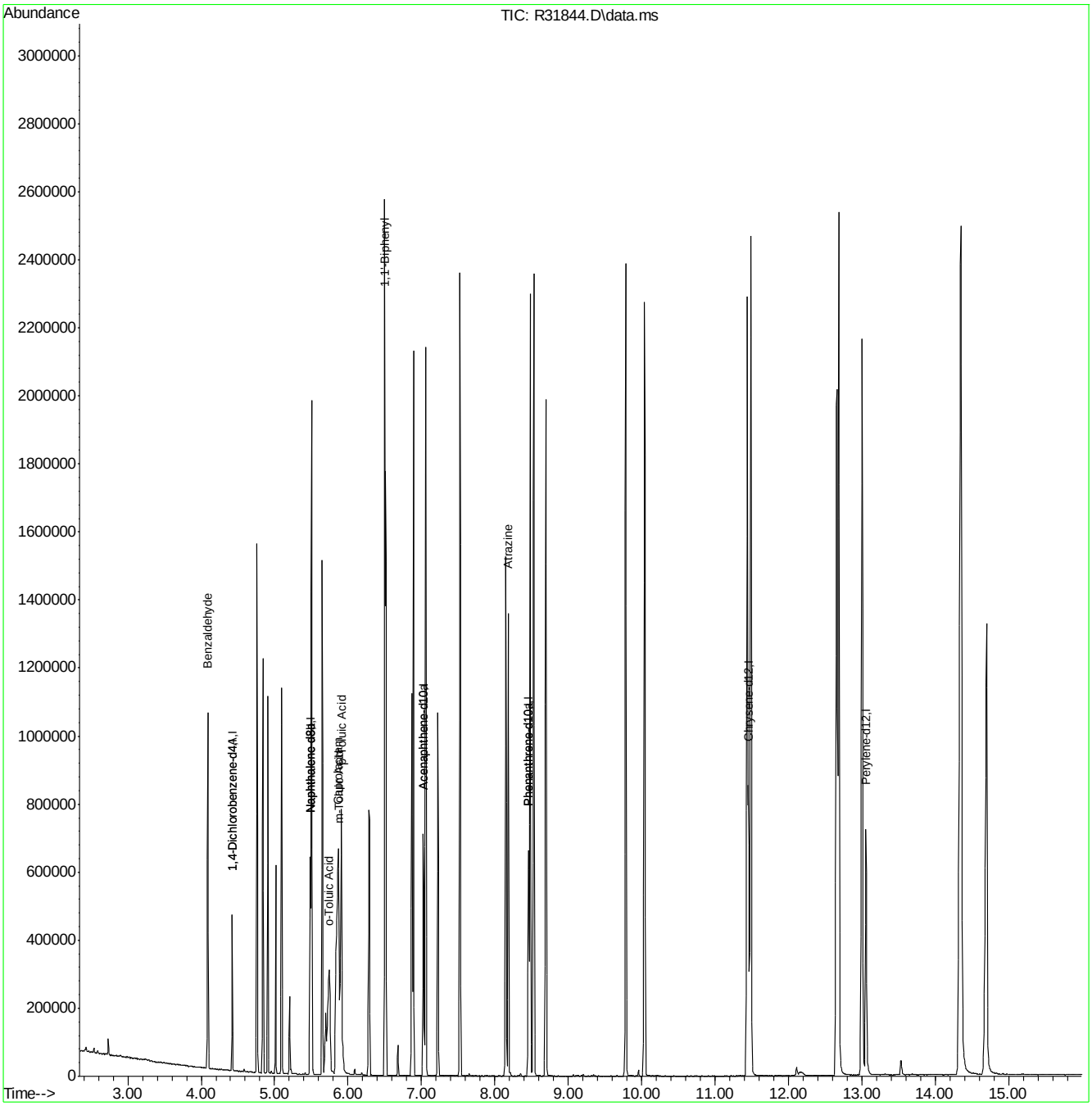
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	64215m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	64209	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	238587m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	238559	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	145572m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	145605	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	266422m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	265173	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	302539m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	297813m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	238559m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	155618m	94.80	ppm	
42) Caprolactam	5.866	55	115046m	137.76	ppm	
66) 1,1'-Biphenyl	6.501	154	658054	125.18	ppm #	100
81) Atrazine	8.184	200	168957	132.53	ppm #	100
101) o-Toluic Acid	5.742	118	148165m	160.27	ug/mL	
102) m-Toluic Acid	5.872	136	193444m	118.74	ug/mL	
103) p-Toluic Acid	5.913	91	228040m	128.08	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31844.D
Acq On : 29 Jun 2013 1:08 am
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 08 17:09:01 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:02:34 2013
Response via : Initial Calibration



R31845.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31845.D
Acq On : 29 Jun 2013 1:32 am
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 08 17:09:43 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:04:39 2013
Response via : Initial Calibration

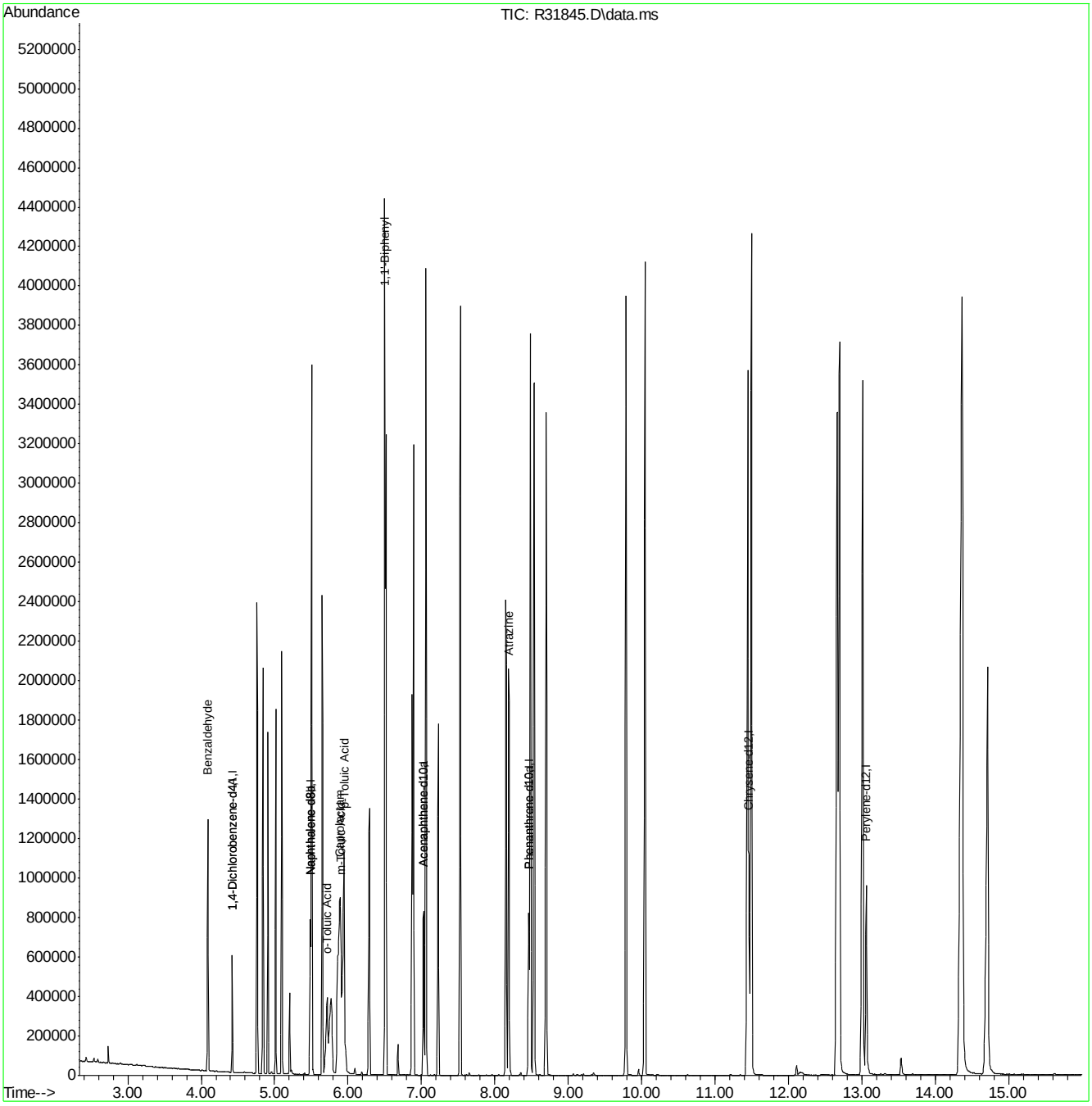
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	78085m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	78117	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	297117m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	297107	40.00	ppm	0.00
43) Acenaphthene-d10	7.031	164	188814m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.031	164	188789	40.00	ppm	0.00
67) Phenanthrene-d10	8.460	188	338778m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.460	188	337541	40.00	ppm	0.00
82) Chrysene-d12	11.460	240	388468m	40.00	ppm	0.00
92) Perylene-d12	13.060	264	386358m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	297107m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	195827m	98.06	ppm	
42) Caprolactam	5.884	55	195090m	163.84	ppm	
66) 1,1'-Biphenyl	6.501	154	1134425	165.25	ppm #	100
81) Atrazine	8.195	200	293647	177.86	ppm #	100
101) o-Toluic Acid	5.719	118	261477m	165.37	ug/mL	
102) m-Toluic Acid	5.901	136	331757m	153.09	ug/mL	
103) p-Toluic Acid	5.948	91	379240m	169.13	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31845.D
Acq On : 29 Jun 2013 1:32 am
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 08 17:09:43 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:04:39 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Doug Yargeau
07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	102428	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	102428	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	396436	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	396436	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	260777	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	260777	40.00	ppm		0.00
67) Phenanthrene-d10	8.460	188	461001	40.00	ppm		0.00
80) Phenanthrene-d10a	8.460	188	461001	40.00	ppm		0.00
82) Chrysene-d12	11.454	240	522330	40.00	ppm		0.00
92) Perylene-d12	13.060	264	497815	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	396436	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.466	112	162292	52.27	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 52.27%				
7) Phenol-d5	4.143	99	200950	51.11	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 51.11%				
24) Nitrobenzene-d5	4.890	82	181994	48.04	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 96.08%				
48) 2-Fluorobiphenyl	6.419	172	428486	49.39	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 98.78%				
71) 2,4,6-Tribromophenol	7.778	330	70554	51.08	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 51.08%				
85) Terphenyl-d14	10.225	244	557458	49.86	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 99.72%				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.554	74	98911	49.12	ug/l	#	81
3) Pyridine	2.566	79	162713	44.44	ppm		88
4) Aniline	4.190	93	210738	45.17	ppm	#	1
6) bis(2-Chloroethyl)ether	4.225	63	112249	50.67	ppm		90
8) Phenol	4.154	94	204234	52.21	ppm		98
9) 2-Chlorophenol	4.278	128	175569	53.26	ppm		96
10) 1,3-Dichlorobenzene	4.396	146	181775	48.76	ppm		98
11) 1,4-Dichlorobenzene	4.437	146	189184	48.78	ppm		97
12) 1,2-Dichlorobenzene	4.590	146	180024	51.83	ppm		98
13) Benzyl alcohol	4.537	108	106099	50.06	ppm		97
14) bis(2-chloroisopropyl)...	4.660	45	232887	61.57	ppm		79
15) o-cresol	4.631	108	148143	52.24	ppm		82
16) Acetophenone	4.760	105	232723	49.72	ppm		97
17) Hexachloroethane	4.843	117	72342	50.01	ppm		89
18) N-Nitroso-di-n-propyla...	4.778	70	117713	53.53	ppm		83
19) m+p-cresols	4.748	108	328647	105.81	ppm		99
20) 4-methylphenol	4.748	108	328647	105.83	ppm		99
22) Benzaldehyde	4.090	77	117515m	44.88	ppm		
25) Nitrobenzene	4.907	77	176054	46.03	ppm		95
26) Isophorone	5.095	82	301667	47.36	ppm		98
27) 2-Nitrophenol	5.172	139	89933	49.36	ppm		92
28) 2,4-Dimethylphenol	5.190	107	168483	49.90	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) bis(2-Chloroethoxy)met...	5.272	93	192217	50.04	ppm		98
30) Benzoic acid	5.272	105	136105	53.41	ppm		96
31) 2,4-Dichlorophenol	5.366	162	150620	50.62	ppm		100
32) 1,2,4-Trichlorobenzene	5.443	180	166612	50.32	ppm		98
33) Naphthalene	5.501	128	511298	49.44	ppm		99
34) 2,6-Dichlorophenol	5.566	162	145894	49.50	ppm		94
35) 4-Chloroaniline	5.554	127	167949	39.12	ppm		100
36) Hexachlorobutadiene	5.648	225	98872	47.87	ppm		96
37) 4-Chloro-3-methylphenol	5.960	107	144195	50.23	ppm		99
38) 2-Methylnaphthalene	6.090	142	343497	47.34	ppm		95
39) 1-Methylnaphthalene	6.184	142	339582	48.17	ppm		95
40) 1,2,4,5-Tetrachloroben...	6.272	216	179190	46.70	ppm		98
42) Caprolactam	5.831	55	74420	47.86	ppm	#	100
44) Pentachloronitrobenzene	8.407	237	52229	47.15	ppm		96
45) Hexachlorocyclopentadiene	6.290	237	61559	24.11	ppm		99
46) 2,4,6-Trichlorophenol	6.354	196	120111	49.64	ppm		97
47) 2,4,5-Trichlorophenol	6.390	196	131241	51.47	ppm		98
49) 2-Chloronaphthalene	6.513	162	347577	49.93	ppm		96
50) Acenaphthylene	6.889	152	558012m	49.26	ppm		
51) Dimethylphthalate	6.807	163	383077	48.14	ppm		99
52) 2,4-Dinitrotoluene	7.225	165	126189	52.66	ppm		98
53) Acenaphthene	7.054	153	359375	49.04	ppm		99
54) 2,4-Dinitrophenol	7.084	184	62344	50.10	ppm		91
55) Dibenzofuran	7.201	168	486232	46.86	ppm		99
56) 2,6-Dinitrotoluene	6.866	165	89759	49.46	ppm		73
57) 4-Nitrophenol	7.131	65	75053	47.44	ppm		87
58) 2,3,4,6-Tetrachlorophenol	7.354	232	109848	50.40	ppm		99
59) Fluorene	7.525	166	421393	50.49	ppm		99
60) 4-Chlorophenyl-phenyle...	7.513	204	203060	49.83	ppm		90
61) Diethylphthalate	7.454	149	407241	51.38	ppm		98
62) 2-nitroaniline	6.625	138	111580	50.35	ppm		92
63) 3-nitroaniline	6.995	138	74182	37.60	ppm		94
64) 4-nitroaniline	7.572	138	93866	48.05	ppm		86
66) 1,1'-Biphenyl	6.501	154	439270	46.11	ppm	#	100
68) 4,6-Dinitro-2-methylph...	7.613	198	89921	52.04	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	289409	48.15	ppm		98
70) 1,2-Diphenylhydrazine	7.666	77	374751	47.95	ppm		98
72) 4-Bromophenyl-phenylether	7.989	248	117706	47.31	ppm		98
73) Hexachlorobenzene	8.148	284	142551	50.65	ppm		98
74) Pentachlorophenol	8.325	266	92571	50.72	ppm		100
75) Phenanthrene	8.483	178	617835	49.61	ppm		99
76) Anthracene	8.531	178	616762	48.26	ppm		99
77) Carbazole	8.695	167	581297	51.05	ppm		99
78) Di-n-butylphthalate	9.119	149	687192	49.85	ppm		100
79) Fluoranthene	9.783	202	704215	53.59	ppm		99
81) Atrazine	8.184	200	120641m	53.50	ppm		
83) Benzidine	9.925	184	288266	60.27	ppm		99
84) Pyrene	10.036	202	729336	48.86	ppm		99
87) Butylbenzylphthalate	10.830	149	307300	49.76	ppm		96
88) 3,3'-Dichlorobenzidine	11.419	252	193426	35.70	ppm		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

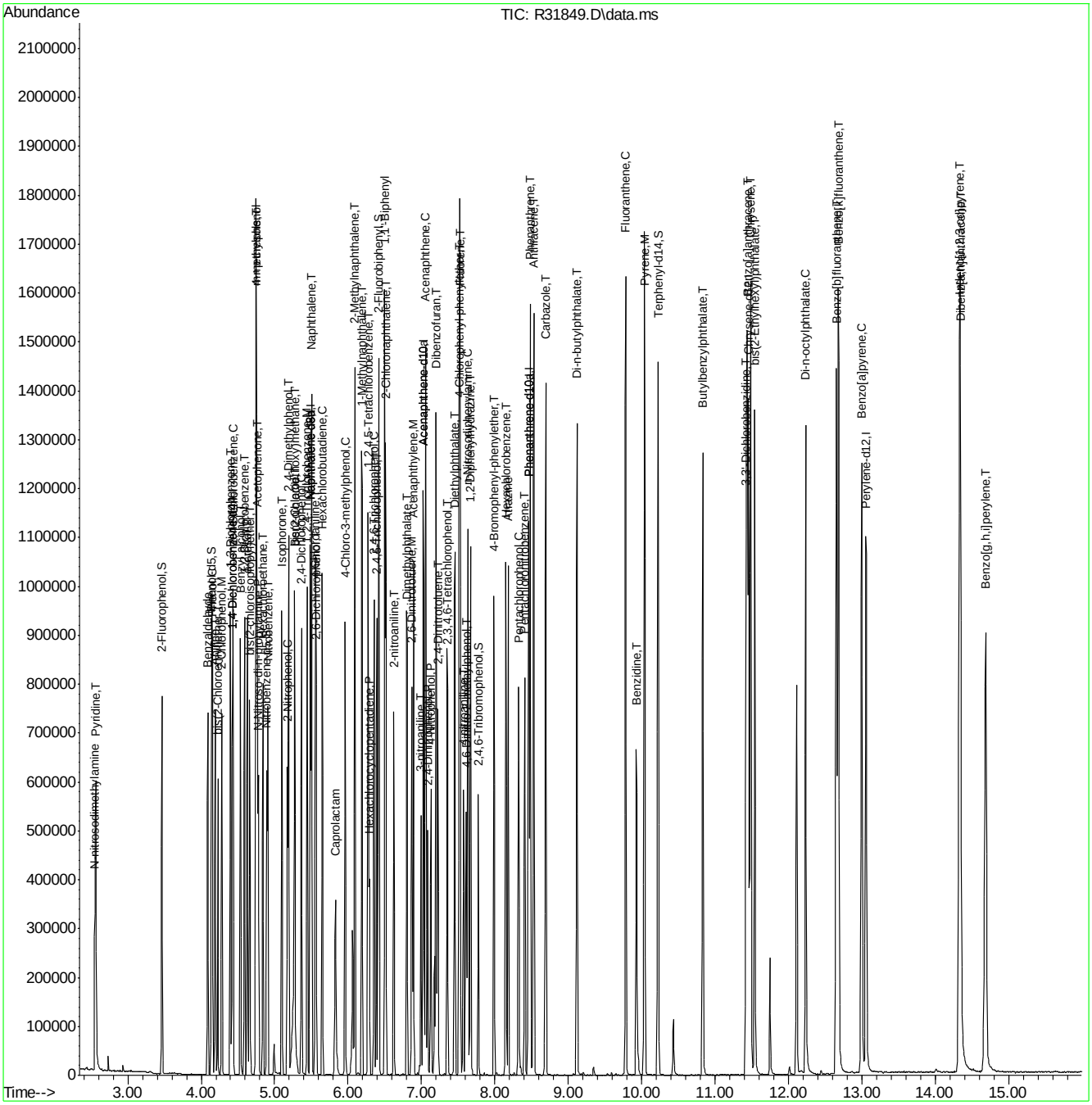
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89)	Benzo[a]anthracene	11.436	228	717890	53.16	ppm	98
90)	Chrysene	11.483	228	663099	49.38	ppm	99
91)	bis(2-Ethylhexyl)phtha...	11.542	149	455136	49.31	ppm	100
93)	Di-n-octylphthalate	12.230	149	771729	52.01	ppm	99
94)	Benzo[b]fluoranthene	12.654	252	726188	50.90	ppm	98
95)	Benzo[k]fluoranthene	12.677	252	726398	52.25	ppm	98
96)	Benzo[a]pyrene	12.995	252	600680	47.78	ppm	98
97)	Indeno[1,2,3-cd]pyrene	14.330	276	791853	50.45	ppm	91
98)	Dibenz[a,h]anthracene	14.342	278	639524	50.46	ppm	98
99)	Benzo[g,h,i]perylene	14.683	276	657776	50.47	ppm	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 09/12/13 07:54

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\R130910\
Data File : R33451.D
Acq On : 10 Sep 2013 8:13 am
Operator : kristinr
Sample : CC1159-50
Misc : OP34233,MSR1218,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Sep 11 11:21:53 2013
Quant Method : W:\1\methods\R130628_8270PAH.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.001	152	56406	40.00	ppm	-0.12
2) Naphthalene-d8	5.054	136	208881	40.00	ppm	-0.12
7) Acenaphthene-d10	6.572	164	126569	40.00	ppm	-0.13
13) Phenanthrene-d10	7.948	188	220388	40.00	ppm	-0.15
18) Chrysene-d12	10.889	240	238566	40.00	ppm	-0.16
23) Perylene-d12	12.471	264	228762	40.00	ppm	-0.17
System Monitoring Compounds						
3) Nitrobenzene-d5	4.472	82	83995	42.08	ppm	-0.14
Spiked Amount 50.000	Range 30 - 130		Recovery = 84.16%			
8) 2-Fluorobiphenyl	5.989	172	198717	47.20	ppm	-0.13
Spiked Amount 50.000	Range 30 - 130		Recovery = 94.40%			
20) Terphenyl-d14	9.683	244	244952	47.96	ppm	-0.18
Spiked Amount 50.000	Range 30 - 130		Recovery = 95.92%			
Target Compounds						Qvalue
4) Naphthalene	5.066	128	246862	45.30	ppm	99
5) 2-Methylnaphthalene	5.654	142	173149	45.29	ppm	97
6) 1-Methylnaphthalene	5.654	142	173149	46.62	ppm	94
9) Acenaphthylene	6.442	152	254988	46.38	ppm	99
10) Acenaphthene	6.601	153	160276	45.06	ppm	97
11) Dibenzofuran	6.742	168	240484	47.75	ppm	95
12) Fluorene	7.054	166	187559	46.30	ppm	96
14) Phenanthrene	7.972	178	278635	46.80	ppm	99
15) Anthracene	8.019	178	287598	47.08	ppm	100
16) Carbazole	8.189	167	265839	48.84	ppm	100
17) Fluoranthene	9.242	202	304823	48.52	ppm	99
19) Pyrene	9.483	202	320660	47.03	ppm	93
21) Benzo[a]anthracene	10.872	228	290593	47.12	ppm	96
22) Chrysene	10.919	228	294550	48.03	ppm	98
24) Benzo[b]fluoranthene	12.083	252	325358	49.62	ppm	99
25) Benzo[k]fluoranthene	12.107	252	276583	43.29	ppm	98
26) Benzo[a]pyrene	12.413	252	283443	49.06	ppm	98
27) Indeno[1,2,3-cd]pyrene	13.560	276	343162	47.58	ppm	100
28) Dibenz[a,h]anthracene	13.571	278	282982m	48.59	ppm	
29) Benzo[g,h,i]perylene	13.848	276	295717m	49.37	ppm	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

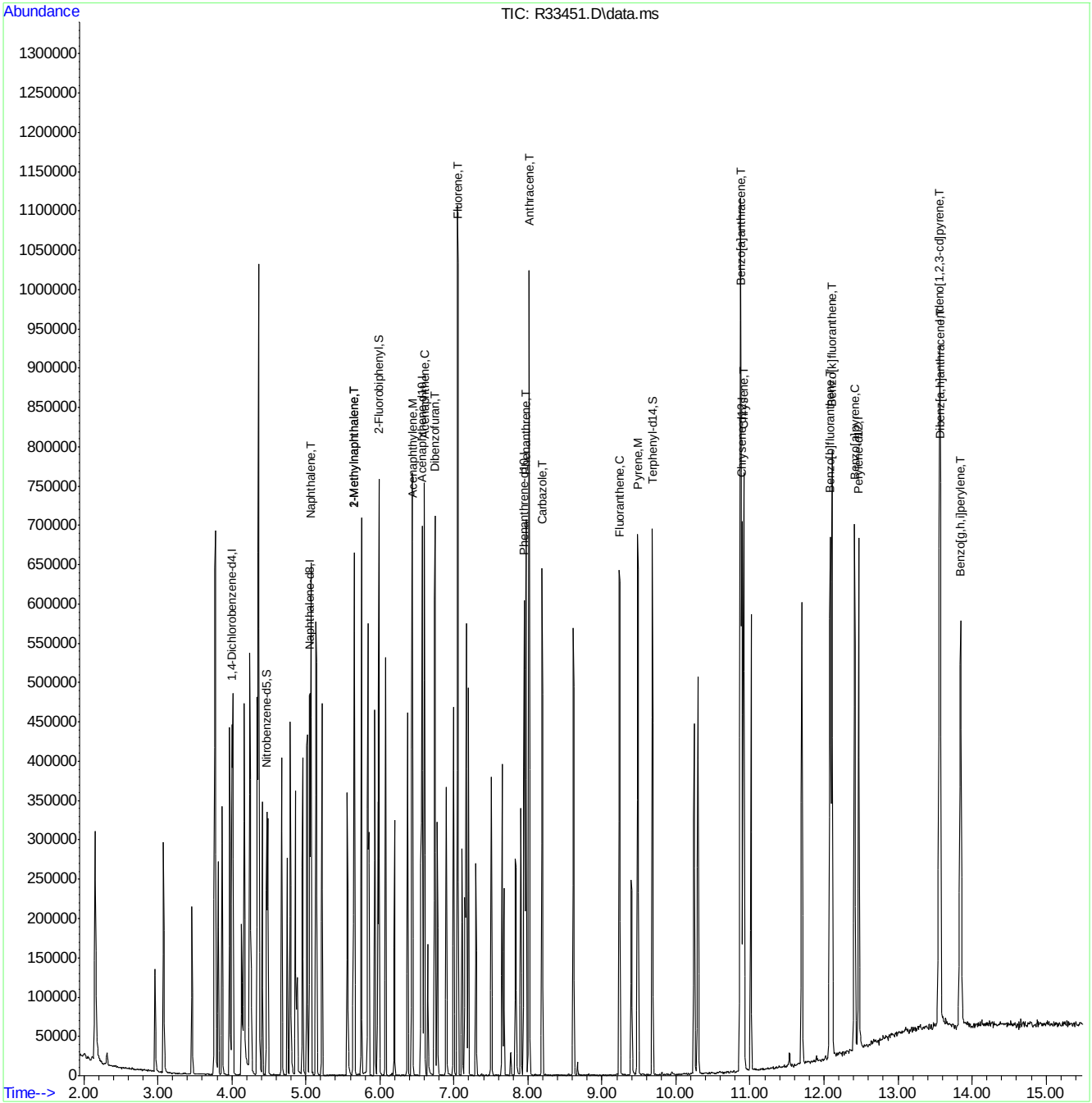
9.6.17

6

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\R130910\
Data File : R33451.D
Acq On : 10 Sep 2013 8:13 am
Operator : kristinr
Sample : CC1159-50
Misc : OP34233,MSR1218,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Sep 11 11:21:53 2013
Quant Method : W:\1\methods\R130628_8270PAH.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 09/12/13 07:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33452.D
Acq On : 10 Sep 2013 8:35 am
Operator : kristinr
Sample : CC1159-50, tcl42
Misc : OP34233,MSR1218,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Sep 10 08:54:46 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

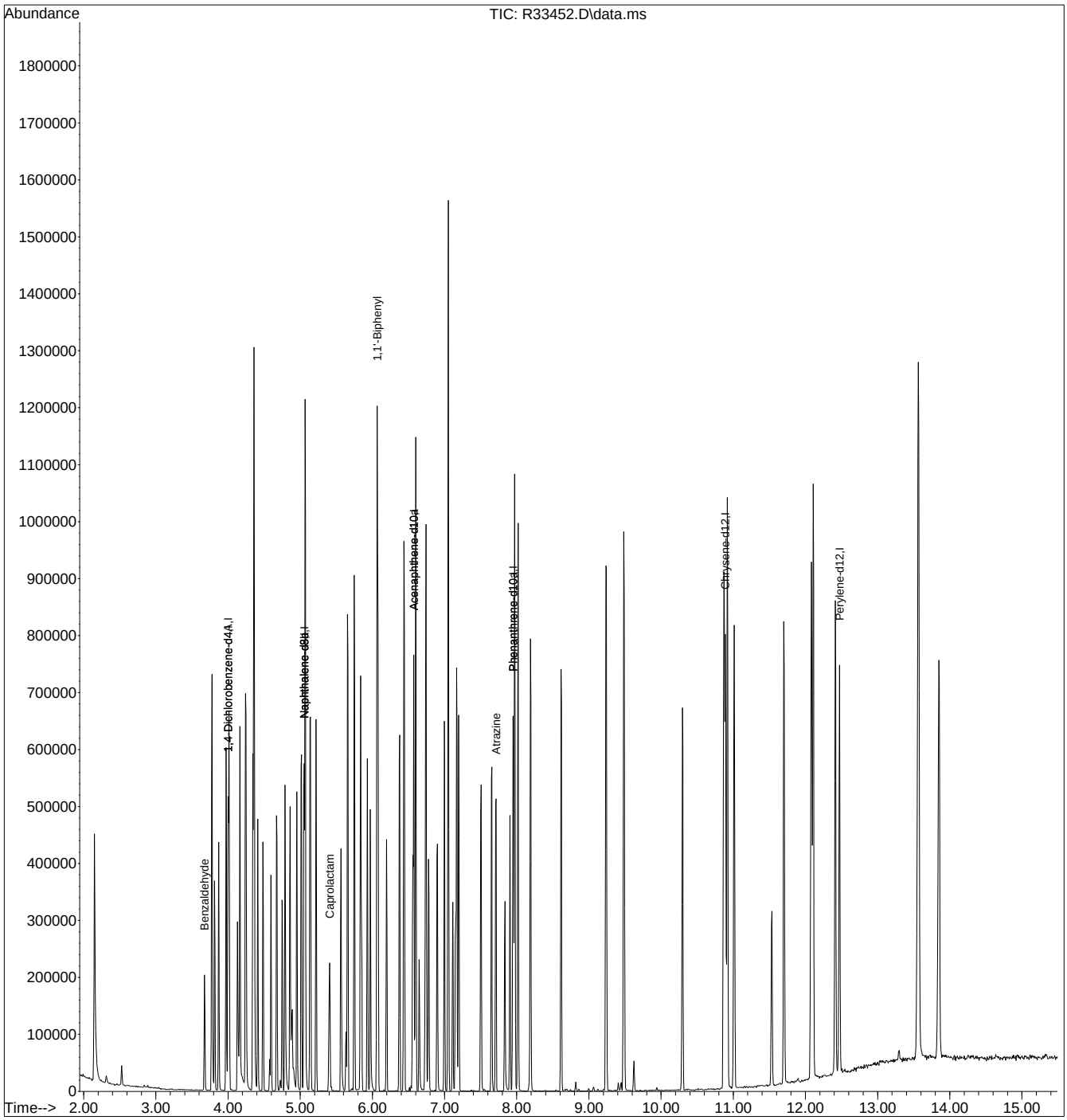
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.001	152	64999	40.00	ppm	-0.10
21) 1,4-Dichlorobenzene-d4A	4.001	152	64999	40.00	PPM	-0.10
23) Naphthalene-d8	5.054	136	237700	40.00	ppm	-0.10
41) Naphthalene-d8a	5.054	136	237700	40.00	ppm	-0.10
43) Acenaphthene-d10	6.572	164	146513	40.00	ppm	-0.11
65) Acenaphthene-d10a	6.572	164	146513	40.00	ppm	-0.11
67) Phenanthrene-d10	7.948	188	255148	40.00	ppm	-0.12
80) Phenanthrene-d10a	7.948	188	255148	40.00	ppm	-0.12
82) Chrysene-d12	10.889	240	278891	40.00	ppm	-0.14
92) Perylene-d12	12.471	264	270253	40.00	ppm	-0.14
100) Naphthalene-d8b	5.054	136	237700	40.00	ug/mL	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	3.672	77	86151m	53.72	ppm	
42) Caprolactam	5.407	55	46066m	49.36	ppm	
66) 1,1'-Biphenyl	6.066	154	286642	53.55	ppm	# 100
81) Atrazine	7.713	200	66941m	53.64	ppm	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33452.D
Acq On : 10 Sep 2013 8:35 am
Operator : kristinr
Sample : CC1159-50, tcl42
Misc : OP34233,MSR1218,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Sep 10 08:54:46 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



R130628_8270+.m Thu Sep 12 10:12:00 2013 Page: 2

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 06/28/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 µg/mL
MSS1625	AB8270 Cal. Std.	2:160
MSS1560	↓	5:160
MSS1594H	AB8270 Int. Std.	4000

Column Information: Front RTX 5B-5MS; 7/9/13 MR

Rear N/A

Sequence File: ~~ot~~ R130628.s 7/9/13 MR

Quantitation Methods: DFTPP.M

R130628_8270+.M

Instrument Run Batches: MSR1159

Inj. Vol:

Data Acquisition Methods: R8270FAST.M Inj. Vol: 1

ICAL verified:

Sequence verified: 6/28/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98 X	R31828	BLK	N/A		N/A	N/A	N/A	*R31826-R31827
99 X	29	DFTPP	↓		↓	↓	↓	are blanks
100 X	30	ICC1159-50						
1 X	31	IC1159-2	MSS1625					
2 X	32	5						
3 X	33	10						
4 X	34	20						
5 X	35	80						
6 X	36	120						
7 X	37	160	↓					
98 X	38	BLK	N/A					
8 X	39	IC1159-5	MSS1560					
9 X	R31840	10						
10 X	41	20						
11 X	42	50						
12 X	43	80						
13 X	44	120						
14 X	45	160	↓		↓	↓	↓	

6/28/13 MR

MS002-04

Date: 8/29/06 Dilution Solvent: N/A Lot: N/A **Review:**

ACCUTEST LABORATORIES MC24023

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 07/01/2013 **Analyst Signature:** KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 ng/mL
MSS1625	AB8270 Cal. Std.	50
MSS1560	↓	50
MSS159411	AB8270 Int. Std.	4000

Column Information: Front ZB-5MSi
Rear N/A
Sequence File: R130701.S
Quantitation Methods: R130628_B270+.M
DFTPP.M
Instrument Run Batches: MSR11600 MSR11601
Inj. Vol:
Data Acquisition Methods: R8270FAST.M Inj. Vol: 1

ICAL verified: Sequence verified: 7/2/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98 X	R131846	BLK	N/A		N/A	N/A	N/A	
99 X	47	DFTPP	↓		↓	↓	↓	
100 X	48	CC1159-50						
100 X	49	ICV1159-50	↓		leached fluid			
1 X	50	MC21245-4R	OP33792		↓			
2 X	51	↓ -7R	↓					
3 X	52	↓ -8R						
4 X	53	OP33792-BSD						
5 X	54	MC22172-1						2 acid surr <10% ✓
6 X	55	↓ -2						↳ Re-extract
7 X	56	↓ -3						
8 X	57	MC22237-1						
9 X	58	MC22240-1			↓			
10 X	59	OP33818-MB	OP33818		SOIL			
11 X	R131860	↓ BS	↓		↓			
12 X	61	MC22229-5	↓					
13 X	62	↓ -6	↓		↓			
100 X	63	AP 9 TEST	N/A		N/A			
14 X	64	MC22229-20	OP33818		SOIL			
15 X	65	MC22279-6	↓		↓			
99	66	DFTPP	N/A		N/A			
100	67	CC1155-50	↓		↓			AP-9
100	68	CC1159-50						Toluic
100	69	CC1159-50	↓		↓			
1 X	R131870	MC21245-4R	OP33792		leached fluid			
2 X	71	↓ -7R	↓		↓			
3 X	72	↓ -8R	↓					
4 X	73	OP33792-BSD	OP33792					
5	74	MC22172-1	↓					
6	75	↓ -2						
7	76	↓ -3						7/1/13
8	77	MC22237-1	↓		↓	↓	↓	MR

MS002-04
Date: 8/29/06 Dilution Solvent: N/A Lot: N/A **Review:**

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 07/01/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
	Refer to	
	Page 20	

Column Information: Front

Rear

Sequence File: Refer to

Quantitation Methods: Page 20

Instrument Run Batches:

Data Acquisition Methods: Inj. Vol:

Inj. Vol:

ICAL verified:

Sequence verified: 7/2/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
9	RX31878	MC22240-1	OP33792		leachate filtered	N/A	N/A	
10	10ml/10ml 79	OP33818-MB	OP33818		SOIL			
11	RX31880	BS						
12	81	MC22229-5						
13	82	-6						
14	83	-20						
15	84	MC22279-6						
16	85	OP33825-MB	OP33825		SOIL			
17	86	JB40714-5	OP33773					
18	87	-7						
19	88	-8						
20	10ml/10ml 89	-9						
21	RX31890	-10						
22	91	-11						
23	92	-12						
24	93	JB40712-6A						
25	94	-7A						
26	95	-8A						
98	96	BLK	N/A		N/A			
98	97							
98	98							
98	99							

7/1/13 MR

MS002-04

Date: 8/29/06

Dilution Solvent: N/A

Lot: N/A

Review:

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 09/10/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 µg/mL
MSS16025	AB8270 Cal.Std.	50
MSS16602	Cal.Std.	50
MSS1594L	Int.std.	4000

Column Information: Front ZB-5MSi

Rear N/A

Sequence File: R130910.S

Quantitation Methods: DFTPP.M

R130628-8270t.M

Instrument Run Batches: MSR1218

Inj. Vol:

Data Acquisition Methods: R8270FAST.M Inj. Vol: 1µL

ICAL verified:

Sequence verified: 9/12/13 KR

Vial #		Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98	X	R33449	Blank	N/A		N/A	N/A	N/A	
99	X	R33450	DFTPP						
100	X	1	CC1159-50						
100	X	2	CC1159-50						TCL42
1	X	3	OP34724-MB	OP34724	+TIC	SOIL			
2	X	4	-BS						
3	X	5	-MS						
4	X	6	-MSD						
5	X	7	MC24047-1						
6	X	8	MC24023-2		+TIC		5X		
7	X	9	-5				N/A		
8	X	R33460	-7						
9	X	1	MC24064-1						
10		2	MC24125-1						
11		3	-2						
12		4	MC24126-1						
13		5	-3						
14		6	MC24054-1						
15		7	-2						
16		8	-3						
17		9	-4						
18	X	R33470	MC23888-23	OP34622			10X		
19	X	1	-27						
20	X	2	MC23987-3	OP34658		AQ	20X		
98	X	R33473-16	Blank	N/A		N/A	N/A		
									9/12/2013 KR

MS002-04

Date: 8/29/06 Dilution Solvent: B+J DCM Lot: D1997 **Review:**

ACCUTEST LABORATORIES MC24023

ACCUTEST LABORATORIES

Approximate Gram weight equals +/- 0.5g

Extracted by: BJ, AZ
Spike Witness: AZ
Concentrated by: RE 9/9/2013
Fractionated by:

Date/Time: 9-Sep-13 1300
Date/Time:
Batch: OP34724 (PB) OP34725 (SIM)
Matrix: **Soil/Solid**; Sand Lot:
Analysis Method: 8270Reg, TCL, TCL42+, STD
Waste Dilution: SW3580 1 Micro. SW 3546 8270SIM PAH

Extraction Method: ASE #1 SW 3545A | ASE #2 SW 3545A | ASE #3 SW3545A | ASE # 4 SW3545A | Sonicate SW3550B
Soxhlet: SW 3540C

	Sample	Bottle No.	ASE Position	Initial Weight (g)	Final Volume (ml)	**Cleanup/Comments (3660B, 3630, 3665, other)	Received by: Date:
1	OP34-MB	N/A	N/A	20.21	1mL	AB, SIM	
2	-BS	↓		20.66			
3	MC24047-1 MS	3		20.45			
4	-1 MSD	↓		20.19			
5	-1	↓		20.39			
6	MC24023-2	2		20.50		AB, Rocks, Sludge	
7	-5	↓		20.72		, Rocks, clay	
8	-7	↓		20.58		↓ ↓	
9	MC24064-1	2		20.46			
10	MC24125-1	1		20.90			
11	-2	↓		20.25			
12	MC24126-1	↓		20.55			
13	-3	↓		20.79			
14	MC24054-1	↓		20.14			
15	-2	↓		20.34			
16	-3	↓		20.31			
17	-4	↓		20.49			
18	MC24074-13	↓		20.13		SIM	
19	-14	↓		20.48			
20	-15	↓		20.33			
21	-16	↓		20.57			
22							
23							
24							
25							

Fraction	Bottle #	Lot #	Concentration	Volume
Surrogate: ABN	1	PO 6959	500 µg/mL	100µl
Surrogate:				
Spike: Acid	1	PO 6961	500 µg/mL	100µl
Spike: BN	2	PO 6940	500 µg/mL	100µl
Spike: cal 8293	8	PO 6816	2000 µg/mL	25µl
Spike: Toluene				
Spike:				
Hexane Frac. Volume:	NA	NA	NA	
Soxhlet Start/Stop Date/Time:		Filter Paper Lot #	FC 005823	

H2SO4 Lot #	
Ether:	
MeCl2:	DI 997
Hexane:	
MeCl2/Acetone:	
Acetone:	133706
Acetonitrile:	
Na Sulfate Lot #:	B763
Silica Lot #:	
SPE MFG/Lot #:	
Copper:	
Hydromatrix:	
Florisil:	
Sand Lot #:	

Balance ID: 8
Water Bath Temp: 40°C Water Bath ID: 70-21
Laboratory Percent Humidity:

*Note volume of extract: N = Normal, L = Low
Reviewed by:
Tray #: MS-6

** Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup; 3620 = Florisil
**For Soxhlet extraction document date/time started and finished

OP001-16 (10/23/12)

New England ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34712-MB	BK29032.D	1	09/10/13	NK	09/06/13	OP34712	GBK984

The QC reported here applies to the following samples: **Method:** SW846 8082

MC24023-2, MC24023-5, MC24023-7

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	15	ug/kg	
11104-28-2	Aroclor 1221	ND	33	19	ug/kg	
11141-16-5	Aroclor 1232	ND	33	15	ug/kg	
53469-21-9	Aroclor 1242	ND	33	16	ug/kg	
12672-29-6	Aroclor 1248	ND	33	14	ug/kg	
11097-69-1	Aroclor 1254	ND	33	24	ug/kg	
11096-82-5	Aroclor 1260	ND	33	16	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	107%	30-150%
877-09-8	Tetrachloro-m-xylene	85%	30-150%
2051-24-3	Decachlorobiphenyl	97%	30-150%
2051-24-3	Decachlorobiphenyl	87%	30-150%

Blank Spike Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34712-BS	BK29033.D	1	09/10/13	NK	09/06/13	OP34712	GBK984

The QC reported here applies to the following samples: **Method:** SW846 8082

MC24023-2, MC24023-5, MC24023-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	253	263	104	40-140
11104-28-2	Aroclor 1221		ND		40-140
11141-16-5	Aroclor 1232		ND		40-140
53469-21-9	Aroclor 1242		ND		40-140
12672-29-6	Aroclor 1248		ND		40-140
11097-69-1	Aroclor 1254		ND		40-140
11096-82-5	Aroclor 1260	253	272	108	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	105%	30-150%
877-09-8	Tetrachloro-m-xylene	89%	30-150%
2051-24-3	Decachlorobiphenyl	100%	30-150%
2051-24-3	Decachlorobiphenyl	90%	30-150%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34712-MS	BK29034.D	1	09/10/13	NK	09/06/13	OP34712	GBK984
OP34712-MSD	BK29035.D	1	09/10/13	NK	09/06/13	OP34712	GBK984
MC24045-61	BK29041.D	1	09/10/13	NK	09/06/13	OP34712	GBK984

The QC reported here applies to the following samples: **Method:** SW846 8082

MC24023-2, MC24023-5, MC24023-7

CAS No.	Compound	MC24045-61 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		278	262	94	544	99	5	40-140/50
11104-28-2	Aroclor 1221	ND			ND		ND		nc	40-140/50
11141-16-5	Aroclor 1232	ND			ND		ND		nc	40-140/50
53469-21-9	Aroclor 1242	ND			ND		ND		nc	40-140/50
12672-29-6	Aroclor 1248	ND			ND		ND		nc	40-140/50
11097-69-1	Aroclor 1254	ND			ND		ND		nc	40-140/50
11096-82-5	Aroclor 1260	ND		278	291	105	606	110	5	40-140/50

CAS No.	Surrogate Recoveries	MS	MSD	MC24045-61	Limits
877-09-8	Tetrachloro-m-xylene	90%	99%	95%	30-150%
877-09-8	Tetrachloro-m-xylene	79%	87%	82%	30-150%
2051-24-3	Decachlorobiphenyl	88%	99%	94%	30-150%
2051-24-3	Decachlorobiphenyl	80%	90%	86%	30-150%

* = Outside of Control Limits.

Semivolatile Surrogate Recovery Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8082 **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
MC24023-2	BK29046.D	86.0	62.0	76.0	67.0
MC24023-2	BK29047.D	105.0	66.0	93.0	83.0
MC24023-5	BK29048.D	97.0	74.0	84.0	72.0
MC24023-7	BK29049.D	95.0	72.0	83.0	65.0
OP34712-BS	BK29033.D	105.0	89.0	100.0	90.0
OP34712-MB	BK29032.D	107.0	85.0	97.0	87.0
OP34712-MS	BK29034.D	90.0	79.0	88.0	80.0
OP34712-MSD	BK29035.D	99.0	87.0	99.0	90.0

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	30-150%
S2 = Decachlorobiphenyl	30-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	GBK984-CC979	**Injection Date:**	09/10/13
Lab File ID:	BK29031.D	**Injection Time:**	08:49
Instrument ID:	GCBK	**Method:**	SW846 8082

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.01	2.30	10.53	9.72

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP34712-MB	BK29032.D	09/10/13	09:13	3.01	2.30	10.53	9.72
OP34712-BS	BK29033.D	09/10/13	09:32	3.01	2.31	10.52	9.72
OP34712-MS	BK29034.D	09/10/13	09:51	3.01	2.31	10.52	9.72
OP34712-MSD	BK29035.D	09/10/13	10:10	3.00	2.30	10.52	9.72
ZZZZZZ	BK29036.D	09/10/13	10:29	3.00	2.31	10.52	9.72
ZZZZZZ	BK29037.D	09/10/13	10:48	3.01	2.31	10.52	9.72
ZZZZZZ	BK29038.D	09/10/13	11:07	3.01	2.31	10.52	9.72
ZZZZZZ	BK29039.D	09/10/13	11:26	3.01	2.31	10.52	9.72
ZZZZZZ	BK29040.D	09/10/13	11:45	3.01	2.31	10.52	9.72
MC24045-61	BK29041.D	09/10/13	12:04	3.01	2.31	10.52	9.72

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	GBK984-CC979	**Injection Date:**	09/10/13
Lab File ID:	BK29042.D	**Injection Time:**	12:23
Instrument ID:	GCBK	**Method:**	SW846 8082

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.00	2.30	10.52	9.72

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
ZZZZZZ	BK29043.D	09/10/13	12:42	3.01	2.31	10.52	9.72
ZZZZZZ	BK29044.D	09/10/13	13:00	0.00	0.00	0.00	0.00
ZZZZZZ	BK29045.D	09/10/13	13:19	3.01	2.31	10.52	9.72
MC24023-2	BK29046.D	09/10/13	13:39	3.01	2.31	10.52	9.72
MC24023-2	BK29047.D	09/10/13	13:57	3.00	2.31	10.52	9.72
MC24023-5	BK29048.D	09/10/13	14:16	3.01	2.31	10.52	9.72
MC24023-7	BK29049.D	09/10/13	14:35	3.01	2.31	10.52	9.72
ZZZZZZ	BK29050.D	09/10/13	14:54	3.01	2.31	10.52	9.72
ZZZZZZ	BK29051.D	09/10/13	15:13	3.01	2.31	10.53	9.73
OP34719-MB	BK29052.D	09/10/13	15:32	3.01	2.31	10.52	9.72

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: MC24023 **Sample:** GBK979-ICC979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28890.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report GCBK

Method : C:\msdchem\1\METHODS\PC130905.M (ChemStation Integrator)
Title : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration

Calibration Files
1 =BK28888.d 2 =BK28889.d 3 =BK28890.d 4 =BK28891.d
5 =BK28892.d 6 =BK28893.d

		Compound	1	2	3	4	5	6	Avg		%RSD
1)	s	TCMX	2.114	1.859	2.139	1.980	2.051	2.391	2.089	E8	8.59
2)		AR1016-A	4.090	3.774	4.073	4.213	4.701	4.707	4.260	E6	8.76
3)		AR1016-B	8.469	7.531	8.514	7.532	8.280	8.495	8.137	E6	5.85
4)		AR1016-C	1.747	1.540	1.771	1.561	1.845	1.950	1.736	E7	9.23
5)		AR1016-D	1.153	1.045	1.196	1.049	1.189	1.157	1.131	E7	5.96
6)		AR1016-E	7.458	6.541	7.527	6.802	7.651	8.146	7.354	E6	7.98
7)		AR1260-A	1.240	1.091	1.268	1.155	1.283	1.415	1.242	E7	9.02
8)		AR1260-B	2.559	2.255	2.611	2.338	2.664	2.800	2.538	E7	8.08
9)		AR1260-C	4.573	3.994	4.610	4.008	4.533	4.937	4.442	E7	8.35
10)		AR1260-D	3.265	2.925	3.239	2.890	3.212	3.321	3.142	E7	5.90
11)		AR1260-E	3.007	2.690	3.018	2.701	3.061	3.328	2.967	E7	8.13
12)		AR1260-F	7.529	6.680	7.365	6.742	7.626	7.821	7.294	E6	6.52
13)	s	DCB	2.328	2.068	2.397	2.266	2.579	3.251	2.482	E8	16.60
14)		AR1221-A			2.032				2.032	E6	0.00
15)		AR1221-B			2.378				2.378	E6	0.00
16)		AR1221-C			6.611				6.611	E6	0.00
17)		AR1232-A			4.660				4.660	E6	0.00
18)		AR1232-B			3.506				3.506	E6	0.00
19)		AR1232-C			8.337				8.337	E6	0.00
20)		AR1232-D			4.155				4.155	E6	0.00
21)		AR1232-E			6.921				6.921	E6	0.00
22)		AR1242-A			2.990				2.990	E6	0.00
23)		AR1242-B			5.878				5.878	E6	0.00
24)		AR1242-C			1.184				1.184	E7	0.00
25)		AR1242-D			8.114				8.114	E6	0.00
26)		AR1242-E			1.160				1.160	E7	0.00
27)		AR1248-A			2.592				2.592	E6	0.00
28)		AR1248-B			7.450				7.450	E6	0.00
29)		AR1248-C			1.151				1.151	E7	0.00
30)		AR1248-D			1.470				1.470	E7	0.00
31)		AR1248-E			1.901				1.901	E7	0.00
32)		AR1254-A			1.830				1.830	E7	0.00
33)		AR1254-B			2.497				2.497	E7	0.00
34)		AR1254-C			3.668				3.668	E7	0.00
35)		AR1254-D			1.501				1.501	E7	0.00
36)		AR1254-E			1.993				1.993	E7	0.00
37)		AR1262-A			7.997				7.997	E6	0.00
38)		AR1262-B			1.769				1.769	E7	0.00
39)		AR1262-C			3.650				3.650	E7	0.00
40)		AR1262-D			3.358				3.358	E7	0.00
41)		AR1262-E			9.630				9.630	E6	0.00
42)		AR1268-A			7.168				7.168	E6	0.00
43)		AR1268-B			9.943				9.943	E6	0.00
44)		AR1268-C			7.190				7.190	E7	0.00
45)		AR1268-D			3.056				3.056	E7	0.00
46)		AR1268-E			7.998				7.998	E7	0.00

Initial Calibration Summary

Job Number: MC24023 **Sample:** GBK979-ICC979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28890.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Signal #2

1)	s	TCMX	8.007	6.893	8.098	7.298	7.872	9.078	7.874 E6	9.52
2)		AR1016-A	1.261	1.180	1.353	1.284	1.437	1.409	1.321 E5	7.34
3)		AR1016-B	2.911	2.602	2.991	2.868	3.176	3.431	2.997 E5	9.44
4)		AR1016-C	5.794	5.105	5.849	5.282	6.011	6.630	5.779 E5	9.43
5)		AR1016-D	2.213	1.985	2.234	2.095	2.340	2.553	2.237 E5	8.82
6)		AR1016-E	2.770	2.425	2.796	2.607	2.921	3.166	2.781 E5	9.17
7)		AR1260-A	3.895	3.422	3.987	3.660	4.161	4.549	3.946 E5	9.94
8)		AR1260-B	4.619	4.083	4.632	4.284	4.939	5.299	4.643 E5	9.44
9)		AR1260-C	1.201	1.048	1.201	1.089	1.257	1.320	1.186 E6	8.61
10)		AR1260-D	9.324	8.236	9.066	8.089	9.147	9.937	8.966 E5	7.75
11)		AR1260-E	8.810	7.787	8.732	7.932	8.899	9.780	8.657 E5	8.38
12)		AR1260-F	2.507	2.221	2.461	2.240	2.566	2.825	2.470 E5	9.08
13)	s	DCB	0.812	0.710	0.837	0.767	0.879	1.138	0.857 E7	17.44
14)		AR1221-A			5.370				5.370 E4	0.00
15)		AR1221-B			8.125				8.125 E4	0.00
16)		AR1221-C			2.203				2.203 E5	0.00
17)		AR1232-A			1.398				1.398 E5	0.00
18)		AR1232-B			1.380				1.380 E5	0.00
19)		AR1232-C			2.404				2.404 E5	0.00
20)		AR1232-D			1.521				1.521 E5	0.00
21)		AR1232-E			2.478				2.478 E5	0.00
22)		AR1242-A			9.472				9.472 E4	0.00
23)		AR1242-B			2.149				2.149 E5	0.00
24)		AR1242-C			4.165				4.165 E5	0.00
25)		AR1242-D			2.860				2.860 E5	0.00
26)		AR1242-E			4.150				4.150 E5	0.00
27)		AR1248-A			1.009				1.009 E5	0.00
28)		AR1248-B			2.632				2.632 E5	0.00
29)		AR1248-C			4.042				4.042 E5	0.00
30)		AR1248-D			6.616				6.616 E5	0.00
31)		AR1248-E			3.927				3.927 E5	0.00
32)		AR1254-A			4.903				4.903 E5	0.00
33)		AR1254-B			7.107				7.107 E5	0.00
34)		AR1254-C			1.193				1.193 E6	0.00
35)		AR1254-D			7.017				7.017 E5	0.00
36)		AR1254-E			6.025				6.025 E5	0.00
37)		AR1262-A			2.749				2.749 E5	0.00
38)		AR1262-B			2.939				2.939 E5	0.00
39)		AR1262-C			9.580				9.580 E5	0.00
40)		AR1262-D			1.003				1.003 E6	0.00
41)		AR1262-E			3.280				3.280 E5	0.00
42)		AR1268-A			1.826				1.826 E5	0.00
43)		AR1268-B			2.650				2.650 E5	0.00
44)		AR1268-C			2.180				2.180 E6	0.00
45)		AR1268-D			9.592				9.592 E5	0.00
46)		AR1268-E			2.938				2.938 E6	0.00

(#) = Out of Range

PC130905.M Fri Sep 06 08:34:25 2013

Initial Calibration Verification

Job Number: MC24023 **Sample:** GBK979-ICV979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28898.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...05\BK28898.d\ECD1A.ch Vial: 61
Signal #2 : C:\msdchem\1\DATA\BK130905\BK28898.d\ECD2B.ch
Acq On    :  5 Sep 2013   7:10 pm                    Operator: nickk
Sample    : icv979-500,a16/60                       Inst    : GCBK
Misc      : op34682,gbk979,15,,,10,,s               Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC130905.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Fri Sep 06 08:26:11 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	s	TCMX	208.901	228.474 E6	-9.4	107	0.00	2.90- 3.10
2		AR1016-A	4.260	3.997 E6	6.2	98	0.00	3.24- 3.44
3		AR1016-B	8.137	8.120 E6	0.2	95	0.00	3.60- 3.80
4		AR1016-C	17.357	17.255 E6	0.6	97	0.00	4.11- 4.31
5		AR1016-D	11.315	11.275 E6	0.4	94	0.00	4.33- 4.39
6		AR1016-E	7.354	7.288 E6	0.9	97	0.00	4.81- 4.87
7		AR1260-A	12.419	12.668 E6	-2.0	100	0.00	6.36- 6.56
8		AR1260-B	25.379	25.609 E6	-0.9	98	0.00	6.75- 6.95
9		AR1260-C	44.425	44.658 E6	-0.5	97	0.00	7.34- 7.54
10		AR1260-D	31.417	30.998 E6	1.3	96	0.00	8.19- 8.39
11		AR1260-E	29.674	29.606 E6	0.2	98	0.00	8.64- 8.84
12		AR1260-F	7.294	7.598 E6	-4.2	103	0.00	9.64- 9.84
13	s	DCB	248.152	252.747 E6	-1.9	105	0.00	10.42-10.62
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					

Initial Calibration Verification

Job Number: MC24023 **Sample:** GBK979-ICV979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28898.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42		AR1268-A		----------NA----------				
43		AR1268-B		----------NA----------				
44		AR1268-C		----------NA----------				
45		AR1268-D		----------NA----------				
46		AR1268-E		----------NA----------				
*****		Signal #2 *****						
1	s	TCMX	7.874	8.584 E6	-9.0	106	0.00	2.20- 2.40
2		AR1016-A	132.086	128.379 E3	2.8	95	0.00	2.58- 2.78
3		AR1016-B	299.650	291.140 E3	2.8	97	0.00	2.91- 3.11
4		AR1016-C	577.863	565.471 E3	2.1	97	0.00	3.33- 3.53
5		AR1016-D	223.687	226.128 E3	-1.1	101	0.00	3.53- 3.59
6		AR1016-E	278.079	278.397 E3	-0.1	100	0.00	4.01- 4.07
7		AR1260-A	394.570	404.831 E3	-2.6	102	0.00	5.48- 5.68
8		AR1260-B	464.284	464.726 E3	-0.1	100	0.00	5.77- 5.97
9		AR1260-C	1.186	1.209 E6	-1.9	101	0.00	6.40- 6.60
10		AR1260-D	896.645	880.081 E3	1.8	97	0.00	7.21- 7.41
11		AR1260-E	865.669	878.300 E3	-1.5	101	0.00	7.77- 7.97
12		AR1260-F	247.021	256.837 E3	-4.0	104	0.00	8.68- 8.88
13	s	DCB	8.572	9.007 E6	-5.1	108	0.00	9.62- 9.82
14		AR1221-A		----------NA----------				
15		AR1221-B		----------NA----------				
16		AR1221-C		----------NA----------				
17		AR1232-A		----------NA----------				
18		AR1232-B		----------NA----------				
19		AR1232-C		----------NA----------				
20		AR1232-D		----------NA----------				
21		AR1232-E		----------NA----------				
22		AR1242-A		----------NA----------				
23		AR1242-B		----------NA----------				
24		AR1242-C		----------NA----------				
25		AR1242-D		----------NA----------				
26		AR1242-E		----------NA----------				
27		AR1248-A		----------NA----------				
28		AR1248-B		----------NA----------				
29		AR1248-C		----------NA----------				
30		AR1248-D		----------NA----------				
31		AR1248-E		----------NA----------				
32		AR1254-A		----------NA----------				
33		AR1254-B		----------NA----------				
34		AR1254-C		----------NA----------				
35		AR1254-D		----------NA----------				
36		AR1254-E		----------NA----------				
37		AR1262-A		----------NA----------				
38		AR1262-B		----------NA----------				
39		AR1262-C		----------NA----------				
40		AR1262-D		----------NA----------				
41		AR1262-E		----------NA----------				
42		AR1268-A		----------NA----------				
43		AR1268-B		----------NA----------				
44		AR1268-C		----------NA----------				
45		AR1268-D		----------NA----------				
46		AR1268-E		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK28890.d PC130905.M Fri Sep 06 08:34:20 2013

10.6.2 10

Continuing Calibration Summary

Job Number: MC24023 **Sample:** GBK984-CC979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK29031.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...10\BK29031.d\ECD1A.ch Vial: 100
Signal #2 : C:\msdchem\1\DATA\BK130910\BK29031.d\ECD2B.ch
Acq On    : 10 Sep 2013   8:49 am                    Operator: nickk
Sample    : cc979-750,a16/60                         Inst    : GCBK
Misc      : op34712,gbk984,15,,,10,,s                Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC130910.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Fri Sep 06 08:26:11 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	s	TCMX	208.901	230.199 E6	-10.2	124#	0.00	2.91- 3.11
2		AR1016-A	4.260	4.023 E6	5.6	107	0.00	3.25- 3.45
3		AR1016-B	8.137	9.349 E6	-14.9	124#	0.00	3.61- 3.81
4		AR1016-C	17.357	18.022 E6	-3.8	117#	0.00	4.12- 4.32
5		AR1016-D	11.315	12.286 E6	-8.6	118#	0.00	4.34- 4.40
6		AR1016-E	7.354	8.288 E6	-12.7	127#	0.00	4.82- 4.88
7		AR1260-A	12.419	13.673 E6	-10.1	125#	0.01	6.37- 6.57
8		AR1260-B	25.379	27.954 E6	-10.1	124#	0.01	6.76- 6.96
9		AR1260-C	44.425	47.278 E6	-6.4	118#	0.01	7.35- 7.55
10		AR1260-D	31.417	32.090 E6	-2.1	110	0.01	8.20- 8.40
11		AR1260-E	29.674	29.936 E6	-0.9	111	0.01	8.65- 8.85
12		AR1260-F	7.294	7.208 E6	1.2	108	0.01	9.65- 9.85
13	s	DCB	248.152	228.707 E6	7.8	111	0.00	10.43-10.63
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					

Continuing Calibration Summary

Job Number: MC24023 **Sample:** GBK984-CC979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK29031.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42		AR1268-A			----------NA----------			
43		AR1268-B			----------NA----------			
44		AR1268-C			----------NA----------			
45		AR1268-D			----------NA----------			
46		AR1268-E			----------NA----------			
*****		Signal #2 *****						
1	s	TCMX	7.874	7.328 E6	6.9	106	0.00	2.20- 2.40
2		AR1016-A	132.086	119.142 E3	9.8	101	0.00	2.58- 2.78
3		AR1016-B	299.650	259.702 E3	13.3	100	0.00	2.91- 3.11
4		AR1016-C	577.863	505.116 E3	12.6	99	0.00	3.33- 3.53
5		AR1016-D	223.687	207.027 E3	7.4	104	0.00	3.53- 3.59
6		AR1016-E	278.079	246.875 E3	11.2	102	0.00	4.01- 4.07
7		AR1260-A	394.570	360.768 E3	8.6	105	0.00	5.49- 5.69
8		AR1260-B	464.284	414.242 E3	10.8	101	0.00	5.77- 5.97
9		AR1260-C	1.186	1.123 E6	5.3	107	0.00	6.40- 6.60
10		AR1260-D	896.645	860.953 E3	4.0	105	0.00	7.22- 7.42
11		AR1260-E	865.669	805.472 E3	7.0	103	0.00	7.77- 7.97
12		AR1260-F	247.021	219.282 E3	11.2	99	0.00	8.69- 8.89
13	s	DCB	8.572	7.304 E6	14.8	103	0.00	9.62- 9.82
14		AR1221-A			----------NA----------			
15		AR1221-B			----------NA----------			
16		AR1221-C			----------NA----------			
17		AR1232-A			----------NA----------			
18		AR1232-B			----------NA----------			
19		AR1232-C			----------NA----------			
20		AR1232-D			----------NA----------			
21		AR1232-E			----------NA----------			
22		AR1242-A			----------NA----------			
23		AR1242-B			----------NA----------			
24		AR1242-C			----------NA----------			
25		AR1242-D			----------NA----------			
26		AR1242-E			----------NA----------			
27		AR1248-A			----------NA----------			
28		AR1248-B			----------NA----------			
29		AR1248-C			----------NA----------			
30		AR1248-D			----------NA----------			
31		AR1248-E			----------NA----------			
32		AR1254-A			----------NA----------			
33		AR1254-B			----------NA----------			
34		AR1254-C			----------NA----------			
35		AR1254-D			----------NA----------			
36		AR1254-E			----------NA----------			
37		AR1262-A			----------NA----------			
38		AR1262-B			----------NA----------			
39		AR1262-C			----------NA----------			
40		AR1262-D			----------NA----------			
41		AR1262-E			----------NA----------			
42		AR1268-A			----------NA----------			
43		AR1268-B			----------NA----------			
44		AR1268-C			----------NA----------			
45		AR1268-D			----------NA----------			
46		AR1268-E			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK28889.d PC130910.M Tue Sep 10 09:14:27 2013

Continuing Calibration Summary

Job Number: MC24023 **Sample:** GBK984-CC979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK29042.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...10\BK29042.d\ECD1A.ch Vial: 100
Signal #2 : C:\msdchem\1\DATA\BK130910\BK29042.d\ECD2B.ch
Acq On    : 10 Sep 2013  12:23 pm                    Operator: nickk
Sample    : cc979-750,a16/60                         Inst    : GCBK
Misc      : op34712,gbk984,15,,,10,,s                Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC130910.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Fri Sep 06 08:26:11 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	s	TCMX	208.901	233.049 E6	-11.6	125#	0.00	2.90- 3.10
2		AR1016-A	4.260	4.125 E6	3.2	109	0.00	3.24- 3.44
3		AR1016-B	8.137	9.219 E6	-13.3	122#	0.00	3.60- 3.80
4		AR1016-C	17.357	18.564 E6	-7.0	121#	0.00	4.11- 4.31
5		AR1016-D	11.315	12.426 E6	-9.8	119#	0.00	4.33- 4.39
6		AR1016-E	7.354	8.180 E6	-11.2	125#	0.00	4.81- 4.87
7		AR1260-A	12.419	13.924 E6	-12.1	128#	0.00	6.35- 6.55
8		AR1260-B	25.379	29.158 E6	-14.9	129#	0.00	6.75- 6.95
9		AR1260-C	44.425	49.708 E6	-11.9	124#	0.00	7.34- 7.54
10		AR1260-D	31.417	35.284 E6	-12.3	121#	0.00	8.19- 8.39
11		AR1260-E	29.674	33.286 E6	-12.2	124#	0.00	8.64- 8.84
12		AR1260-F	7.294	8.130 E6	-11.5	122#	0.00	9.64- 9.84
13	s	DCB	248.152	249.366 E6	-0.5	121#	0.00	10.42-10.62
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					

Continuing Calibration Summary

Job Number: MC24023 **Sample:** GBK984-CC979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK29042.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42		AR1268-A			----------NA----------			
43		AR1268-B			----------NA----------			
44		AR1268-C			----------NA----------			
45		AR1268-D			----------NA----------			
46		AR1268-E			----------NA----------			
*****		Signal #2 *****						
1	s	TCMX	7.874	7.384 E6	6.2	107	0.00	2.20- 2.40
2		AR1016-A	132.086	124.370 E3	5.8	105	0.00	2.58- 2.78
3		AR1016-B	299.650	267.057 E3	10.9	103	0.00	2.92- 3.12
4		AR1016-C	577.863	530.874 E3	8.1	104	0.00	3.33- 3.53
5		AR1016-D	223.687	209.091 E3	6.5	105	0.00	3.53- 3.59
6		AR1016-E	278.079	256.228 E3	7.9	106	0.00	4.02- 4.08
7		AR1260-A	394.570	375.640 E3	4.8	110	0.00	5.49- 5.69
8		AR1260-B	464.284	435.399 E3	6.2	107	0.00	5.77- 5.97
9		AR1260-C	1.186	1.172 E6	1.2	112	0.00	6.40- 6.60
10		AR1260-D	896.645	930.260 E3	-3.7	113	0.00	7.21- 7.41
11		AR1260-E	865.669	878.407 E3	-1.5	113	0.00	7.77- 7.97
12		AR1260-F	247.021	246.062 E3	0.4	111	0.00	8.69- 8.89
13	s	DCB	8.572	7.864 E6	8.3	111	0.00	9.62- 9.82
14		AR1221-A			----------NA----------			
15		AR1221-B			----------NA----------			
16		AR1221-C			----------NA----------			
17		AR1232-A			----------NA----------			
18		AR1232-B			----------NA----------			
19		AR1232-C			----------NA----------			
20		AR1232-D			----------NA----------			
21		AR1232-E			----------NA----------			
22		AR1242-A			----------NA----------			
23		AR1242-B			----------NA----------			
24		AR1242-C			----------NA----------			
25		AR1242-D			----------NA----------			
26		AR1242-E			----------NA----------			
27		AR1248-A			----------NA----------			
28		AR1248-B			----------NA----------			
29		AR1248-C			----------NA----------			
30		AR1248-D			----------NA----------			
31		AR1248-E			----------NA----------			
32		AR1254-A			----------NA----------			
33		AR1254-B			----------NA----------			
34		AR1254-C			----------NA----------			
35		AR1254-D			----------NA----------			
36		AR1254-E			----------NA----------			
37		AR1262-A			----------NA----------			
38		AR1262-B			----------NA----------			
39		AR1262-C			----------NA----------			
40		AR1262-D			----------NA----------			
41		AR1262-E			----------NA----------			
42		AR1268-A			----------NA----------			
43		AR1268-B			----------NA----------			
44		AR1268-C			----------NA----------			
45		AR1268-D			----------NA----------			
46		AR1268-E			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK28889.d PC130910.M Tue Sep 10 13:14:54 2013

Continuing Calibration Summary

Job Number: MC24023 **Sample:** GBK984-CC979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK29053.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...10\BK29053.d\ECD1A.ch Vial: 99
Signal #2 : C:\msdchem\1\DATA\BK130910\BK29053.d\ECD2B.ch
Acq On    : 10 Sep 2013   4:03 pm                    Operator: nickk
Sample    : cc979-750,a16/60                         Inst    : GCBK
Misc      : op34712,gbk984,15,,,10,,s                Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC130910.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Fri Sep 06 08:26:11 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	s	TCMX	208.901	223.701 E6	-7.1	120#	0.01	2.92- 3.12
2		AR1016-A	4.260	4.330 E6	-1.6	115	0.01	3.25- 3.45
3		AR1016-B	8.137	9.042 E6	-11.1	120#	0.01	3.62- 3.82
4		AR1016-C	17.357	17.636 E6	-1.6	115	0.01	4.12- 4.32
5		AR1016-D	11.315	11.374 E6	-0.5	109	0.01	4.34- 4.40
6		AR1016-E	7.354	7.848 E6	-6.7	120#	0.01	4.83- 4.89
7		AR1260-A	12.419	13.020 E6	-4.8	119#	0.02	6.37- 6.57
8		AR1260-B	25.379	26.602 E6	-4.8	118#	0.02	6.77- 6.97
9		AR1260-C	44.425	45.668 E6	-2.8	114	0.02	7.35- 7.55
10		AR1260-D	31.417	31.770 E6	-1.1	109	0.02	8.21- 8.41
11		AR1260-E	29.674	30.603 E6	-3.1	114	0.02	8.66- 8.86
12		AR1260-F	7.294	7.275 E6	0.3	109	0.02	9.66- 9.86
13	s	DCB	248.152	227.079 E6	8.5	110	0.01	10.43-10.63
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					

Continuing Calibration Summary

Job Number: MC24023 **Sample:** GBK984-CC979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK29053.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					
45		AR1268-D	----------NA----------					
46		AR1268-E	----------NA----------					
*****		Signal #2 *****						
1	s	TCMX	7.874	6.657 E6	15.5#	97	0.00	2.20- 2.40
2		AR1016-A	132.086	105.780 E3	19.9#	90	0.00	2.58- 2.78
3		AR1016-B	299.650	236.378 E3	21.1#	91	0.00	2.91- 3.11
4		AR1016-C	577.863	470.894 E3	18.5#	92	0.00	3.33- 3.53
5		AR1016-D	223.687	194.909 E3	12.9	98	0.00	3.53- 3.59
6		AR1016-E	278.079	227.261 E3	18.3#	94	0.00	4.01- 4.07
7		AR1260-A	394.570	332.647 E3	15.7#	97	0.00	5.49- 5.69
8		AR1260-B	464.284	398.992 E3	14.1	98	0.00	5.77- 5.97
9		AR1260-C	1.186	1.045 E6	11.9	100	0.00	6.40- 6.60
10		AR1260-D	896.645	817.278 E3	8.9	99	0.00	7.22- 7.42
11		AR1260-E	865.669	761.613 E3	12.0	98	0.00	7.77- 7.97
12		AR1260-F	247.021	211.452 E3	14.4	95	0.00	8.69- 8.89
13	s	DCB	8.572	6.787 E6	20.8#	96	0.00	9.62- 9.82
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					
42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					
45		AR1268-D	----------NA----------					
46		AR1268-E	----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK28889.d PC130910.M Tue Sep 10 16:23:26 2013

10.6.5 10

New England ACCUTEST LABORATORIES

GC Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/11/13 13:09

Quantitation Report (QT Reviewed)

Data Path : K:\1\DATA\BK130910\
Data File : BK29046.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 1:39 pm
Operator : nickk
Sample : mc24023-2,op34712
Misc : op34712,gbk984,5.79,,,10,,s
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 11 13:03:52 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.007	2.307	7192.7E6	194.0E6	34.431m	24.635m#
	Spiked Amount 40.000			Recovery	=	86.08%	61.59%
13) s	DCB	10.522	9.724	7539.8E6	230.1E6	30.384m	26.842m
	Spiked Amount 40.000			Recovery	=	75.96%	67.10%
	Target Compounds						
7)	AR1260-A	6.449	5.589	54763.6E6	1679.1E6	4409.582m	4255.431m
8)	AR1260-B	6.838	5.873	97503.8E6	2510.3E6	3841.982m	5406.915m#
9)	AR1260-C	7.433	6.377f	202692.0E6	6018.7E6	4562.589m	5074.925m
10)	AR1260-D	8.290	7.319	71147.7E6	4580.4E6	2264.628	5108.338 #
11)	AR1260-E	8.731	7.877	127085.4E6	3847.1E6	4282.748m	4444.062m
12)	AR1260-F	9.746	8.789	29178.5E6	1015.6E6	4000.462	4111.308m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

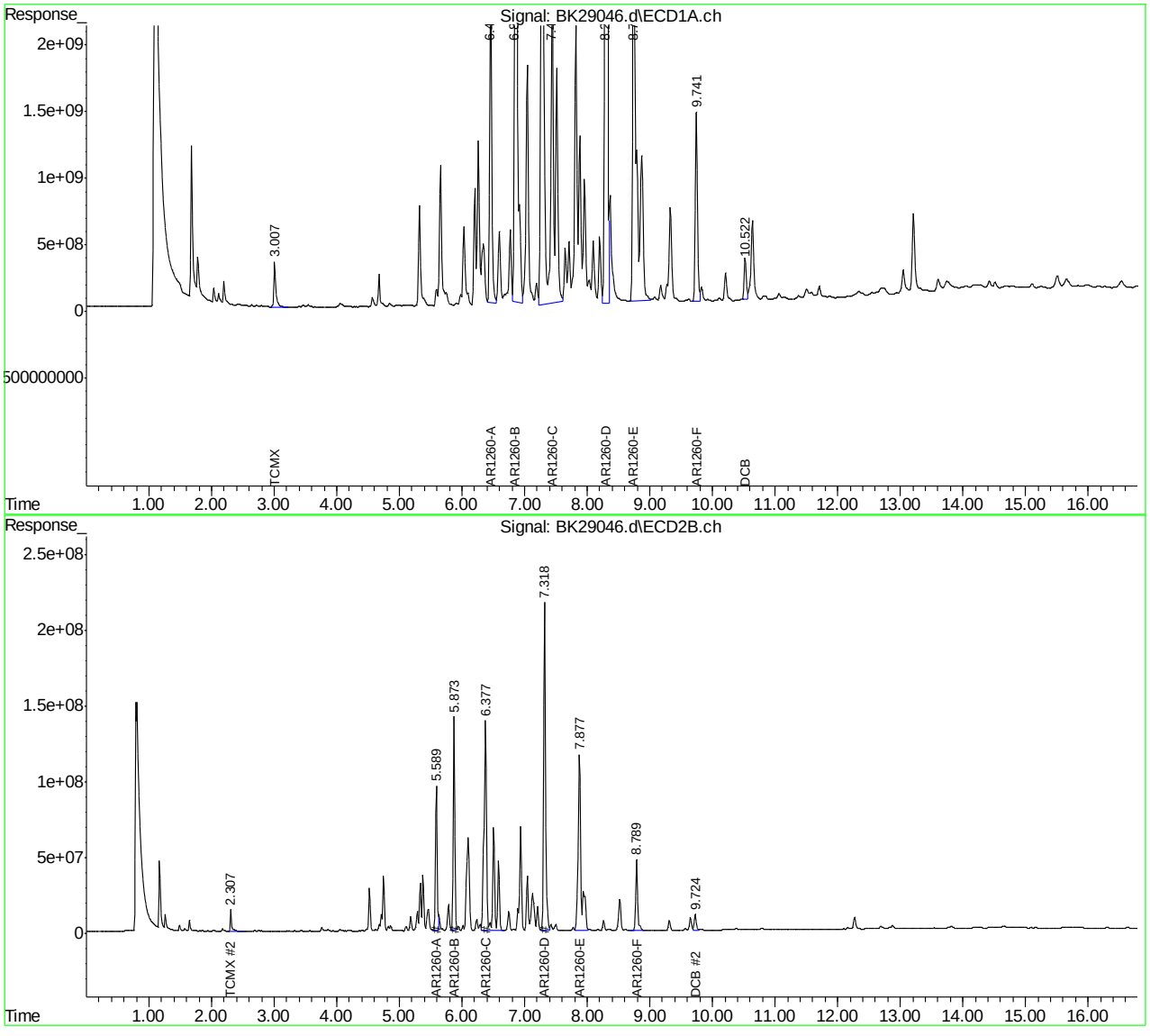
11.1.1 11

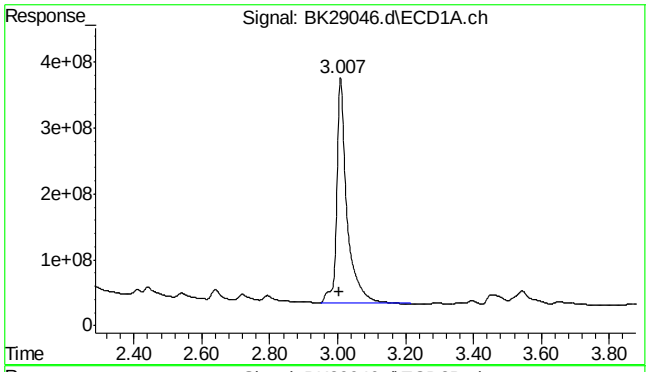
Quantitation Report (QT Reviewed)

Data Path : K:\1\DATA\BK130910\
Data File : BK29046.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 1:39 pm
Operator : nickk
Sample : mc24023-2,op34712
Misc : op34712,gbk984,5.79,,,10,,s
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 11 13:03:52 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

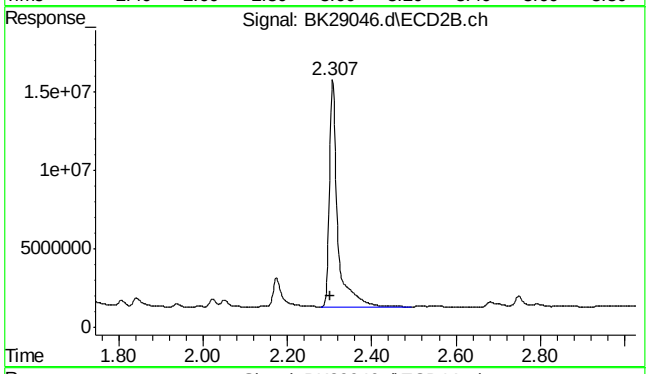
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





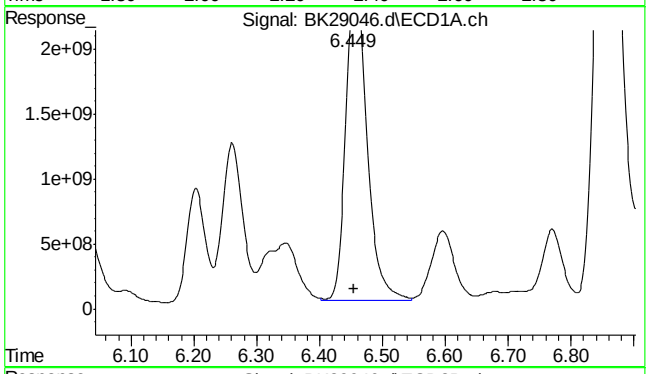
#1 TCMX

R.T.: 3.007 min
Delta R.T.: 0.003 min
Response: 7192721838
Conc: 34.43 ppb m



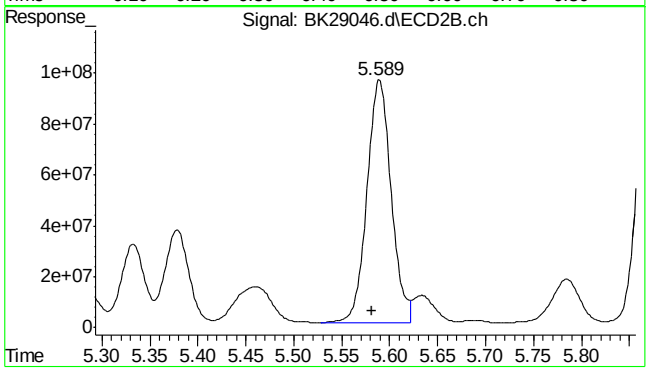
#1 TCMX

R.T.: 2.307 min
Delta R.T.: 0.004 min
Response: 193983752
Conc: 24.63 ppb m



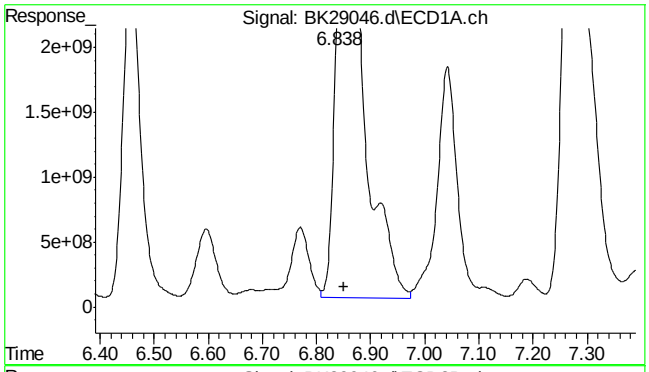
#7 AR1260-A

R.T.: 6.449 min
Delta R.T.: -0.005 min
Response: 54763642462
Conc: 4409.58 ppb m



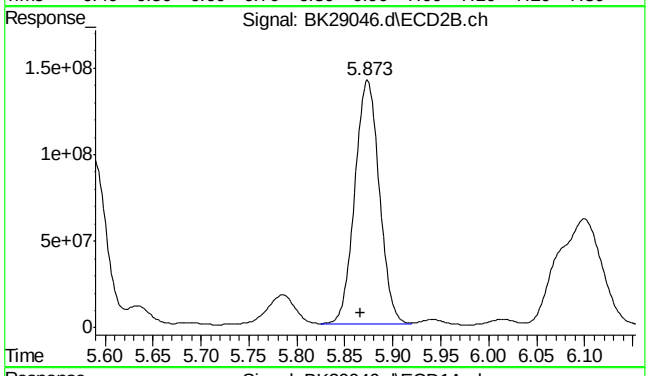
#7 AR1260-A

R.T.: 5.589 min
Delta R.T.: 0.007 min
Response: 1679064523
Conc: 4255.43 ppb m



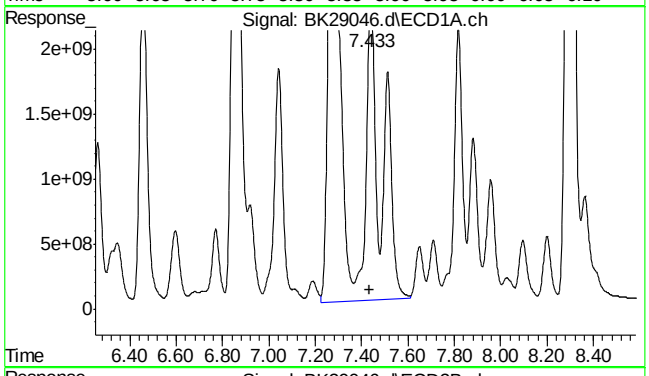
#8 AR1260-B

R.T.: 6.838 min
Delta R.T.: -0.013 min
Response: 97503770142
Conc: 3841.98 ppb m



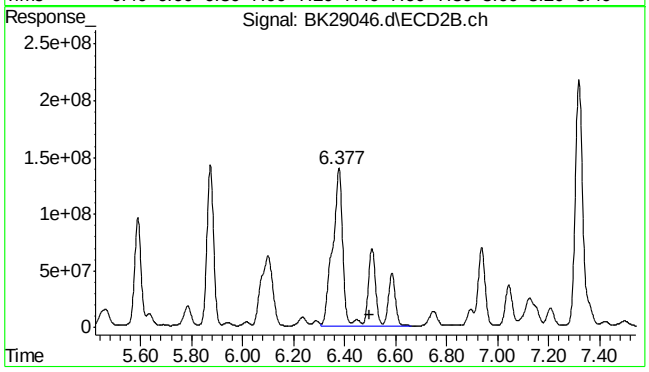
#8 AR1260-B

R.T.: 5.873 min
Delta R.T.: 0.007 min
Response: 2510344376
Conc: 5406.92 ppb m



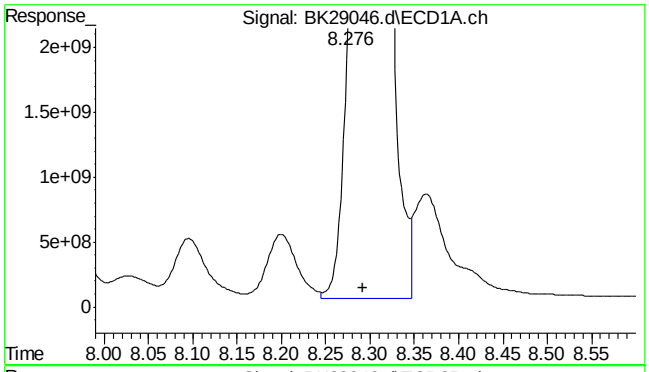
#9 AR1260-C

R.T.: 7.433 min
Delta R.T.: -0.003 min
Response: 2.02692e+011
Conc: 4562.59 ppb m



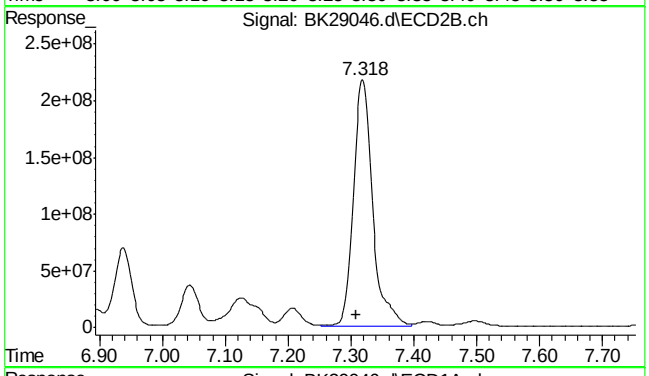
#9 AR1260-C

R.T.: 6.377 min
Delta R.T.: -0.122 min
Response: 6018690527
Conc: 5074.93 ppb m



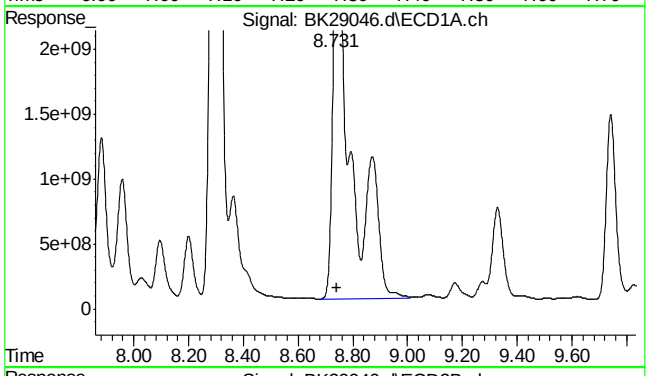
#10 AR1260-D

R.T.: 8.290 min
Delta R.T.: -0.002 min
Response: 71147730873
Conc: 2264.63 ppb



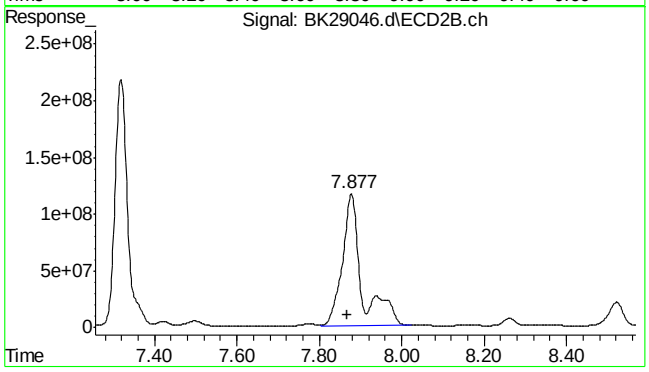
#10 AR1260-D

R.T.: 7.319 min
Delta R.T.: 0.010 min
Response: 4580364394
Conc: 5108.34 ppb



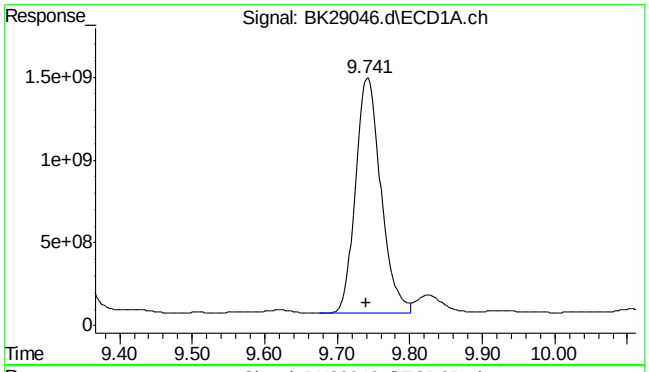
#11 AR1260-E

R.T.: 8.731 min
Delta R.T.: -0.010 min
Response: 1.27085e+011
Conc: 4282.75 ppb m



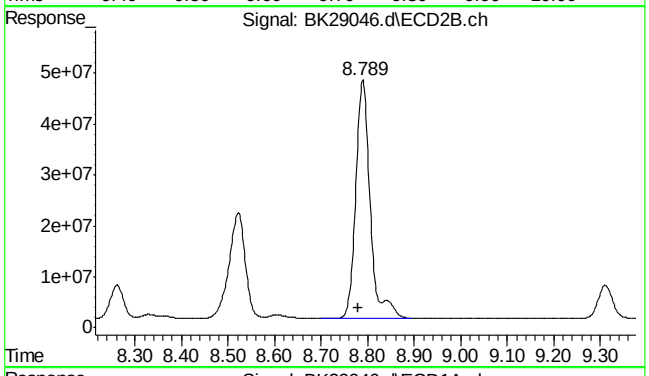
#11 AR1260-E

R.T.: 7.877 min
Delta R.T.: 0.011 min
Response: 3847086652
Conc: 4444.06 ppb m



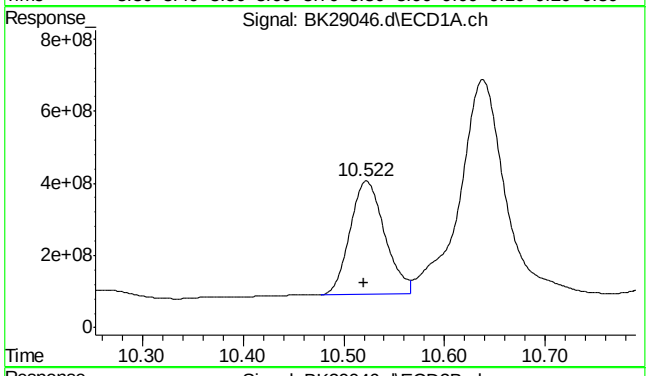
#12 AR1260-F

R.T.: 9.746 min
Delta R.T.: 0.007 min
Response: 29178480306
Conc: 4000.46



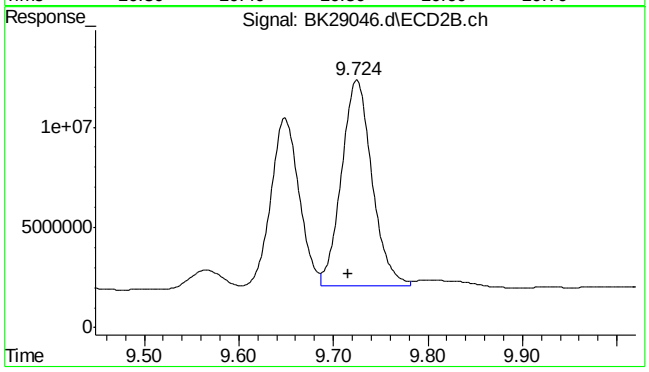
#12 AR1260-F

R.T.: 8.789 min
Delta R.T.: 0.008 min
Response: 1015577313
Conc: 4111.31 m



#13 DCB

R.T.: 10.522 min
Delta R.T.: 0.002 min
Response: 7539768958
Conc: 30.38 ppb m



#13 DCB

R.T.: 9.724 min
Delta R.T.: 0.009 min
Response: 230089514
Conc: 26.84 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/11/13 13:09

Quantitation Report (QT Reviewed)

Data Path : K:\1\DATA\BK130910\
Data File : BK29047.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 1:57 pm
Operator : nickk
Sample : mc24023-2,1:10 op34712
Misc : op34712,gbk984,5.79,,,10,10,s
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 11 13:09:33 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.004	2.305	875.0E6	20780990	4.189m	2.639m#
	Spiked Amount 40.000			Recovery	=	10.47%	6.60%
13) s	DCB	10.519	9.721	924.9E6	28541550	3.727m	3.330m
	Spiked Amount 40.000			Recovery	=	9.32%	8.33%
	Target Compounds						
7)	AR1260-A	6.454	5.586	6981.1E6	184.7E6	562.120m	468.074m
8)	AR1260-B	6.852	5.871	16778.4E6	261.7E6	661.128m	563.638m
9)	AR1260-C	7.269f	6.376f	25983.1E6	654.9E6	584.879m	552.214m
10)	AR1260-D	8.294	7.315	18554.8E6	468.8E6	590.599	522.872m
11)	AR1260-E	8.743	7.876	15464.8E6	407.0E6	521.161m	470.173m
12)	AR1260-F	9.739	8.787	3480.6E6	108.5E6	477.203m	439.253m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

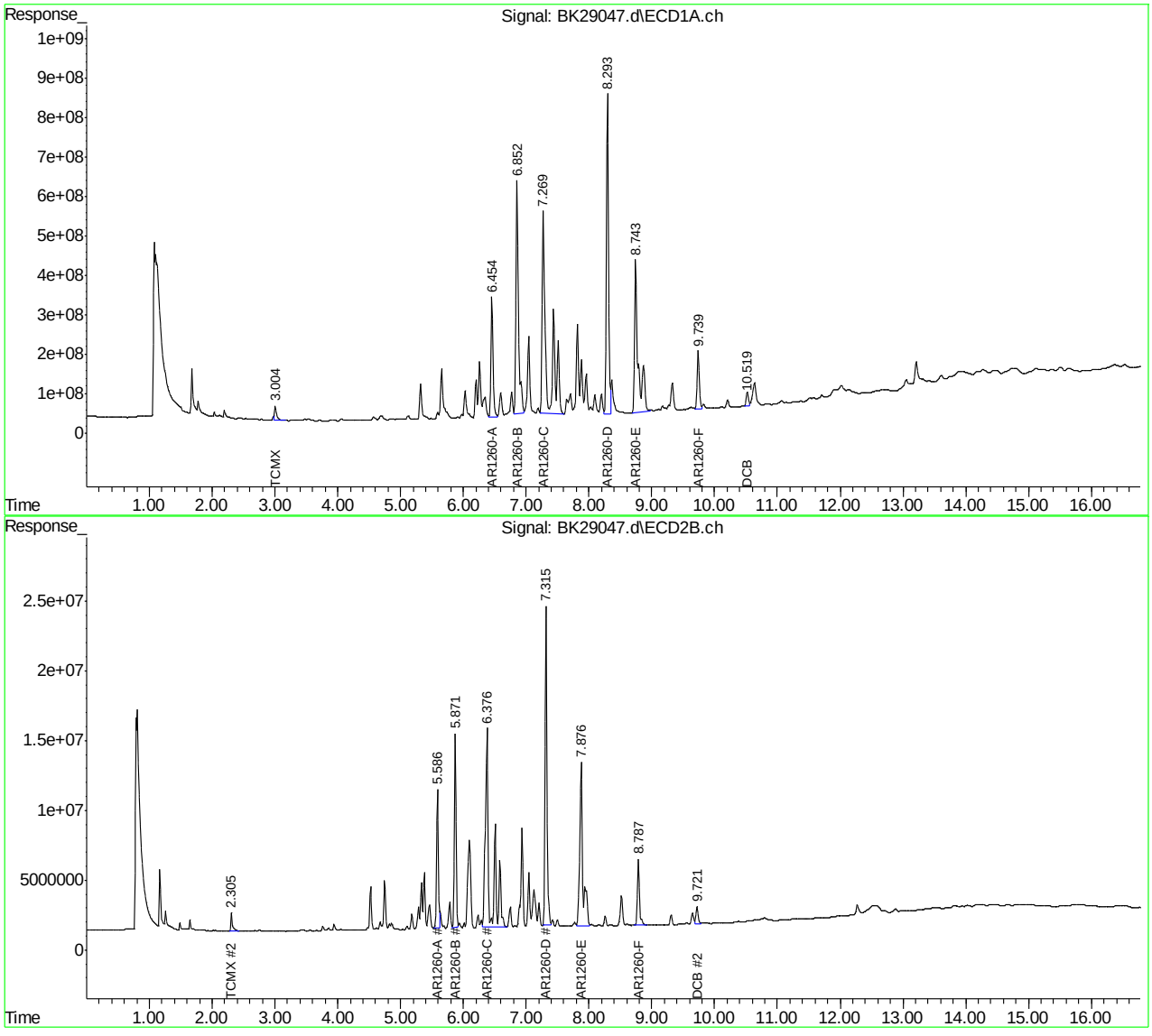
11.1.2 11

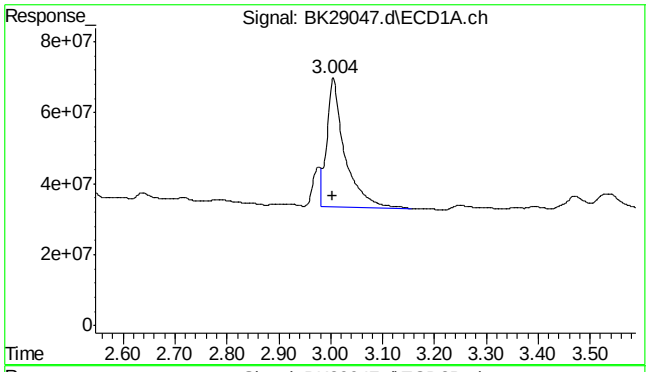
Quantitation Report (QT Reviewed)

Data Path : K:\1\DATA\BK130910\
Data File : BK29047.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 1:57 pm
Operator : nickk
Sample : mc24023-2,1:10 op34712
Misc : op34712,gbk984,5.79,,,10,10,s
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 11 13:09:33 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

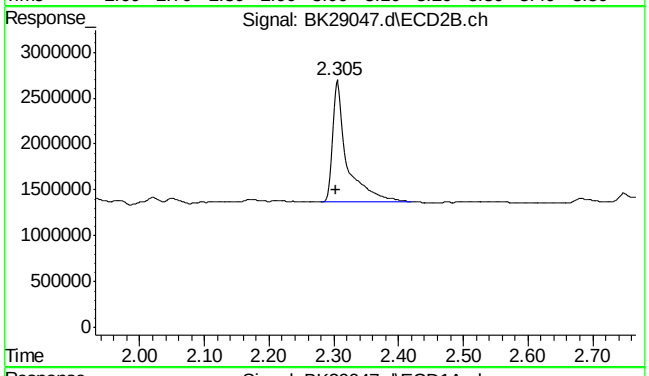
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





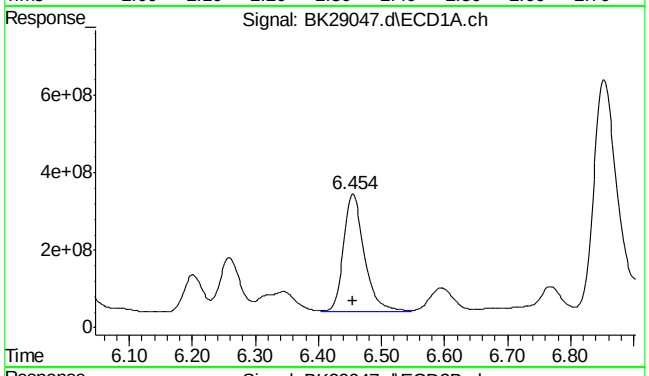
#1 TCMX

R.T.: 3.004 min
Delta R.T.: 0.000 min
Response: 875040642
Conc: 4.19 ppb m



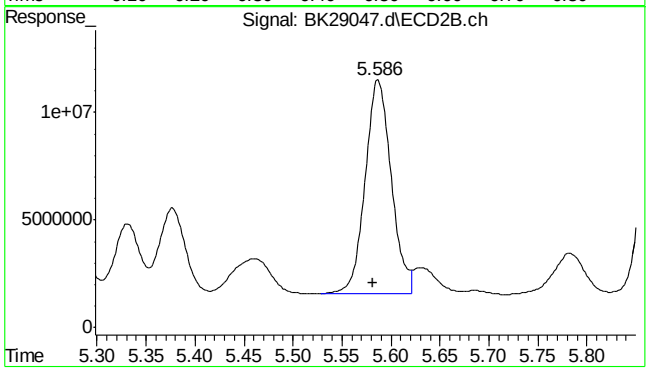
#1 TCMX

R.T.: 2.305 min
Delta R.T.: 0.002 min
Response: 20780990
Conc: 2.64 ppb m



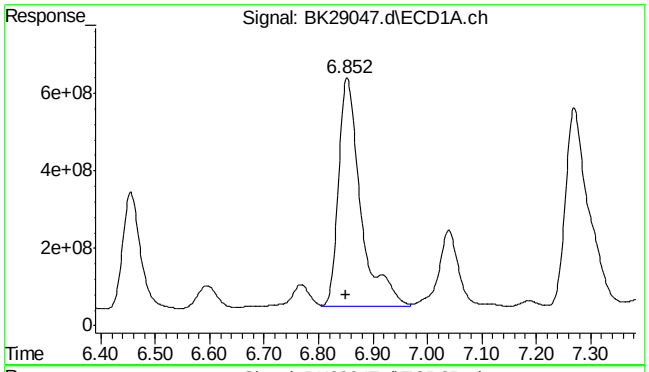
#7 AR1260-A

R.T.: 6.454 min
Delta R.T.: 0.000 min
Response: 6981097523
Conc: 562.12 ppb m



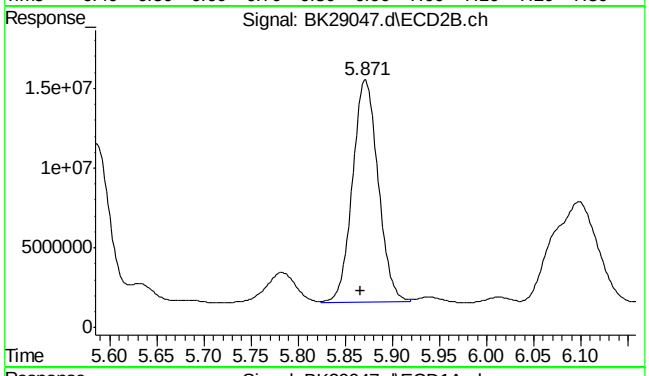
#7 AR1260-A

R.T.: 5.586 min
Delta R.T.: 0.005 min
Response: 184687724
Conc: 468.07 ppb m



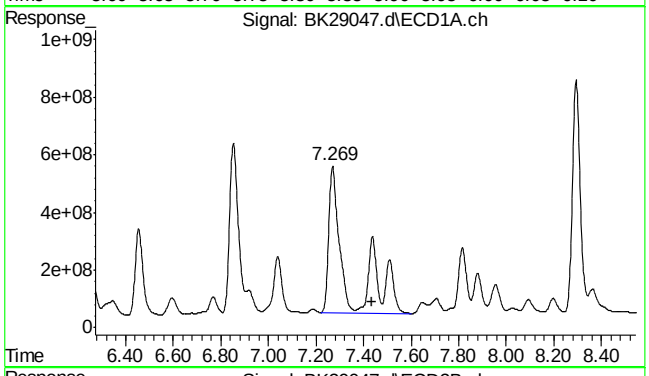
#8 AR1260-B

R.T.: 6.852 min
Delta R.T.: 0.001 min
Response: 16778431646
Conc: 661.13 ppb m



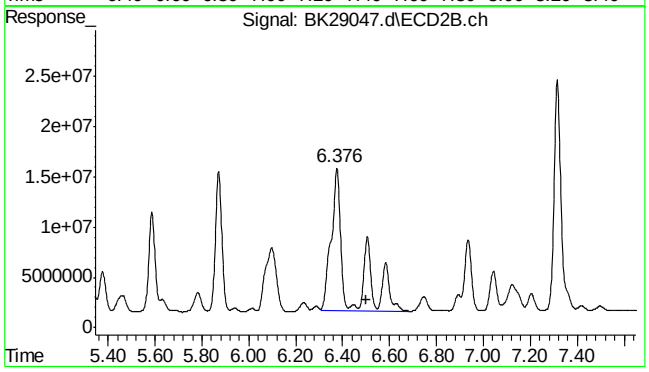
#8 AR1260-B

R.T.: 5.871 min
Delta R.T.: 0.005 min
Response: 261688262
Conc: 563.64 ppb m



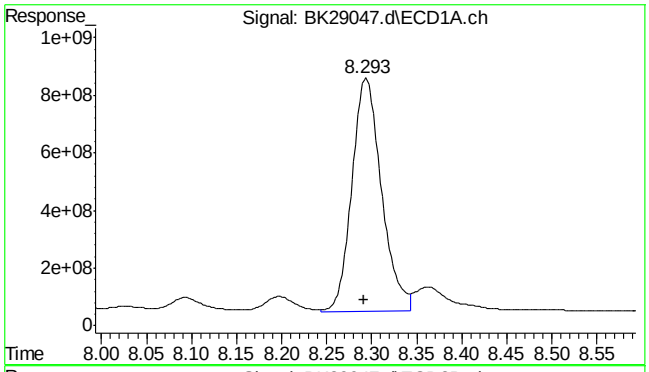
#9 AR1260-C

R.T.: 7.269 min
Delta R.T.: -0.166 min
Response: 25983124537
Conc: 584.88 ppb m



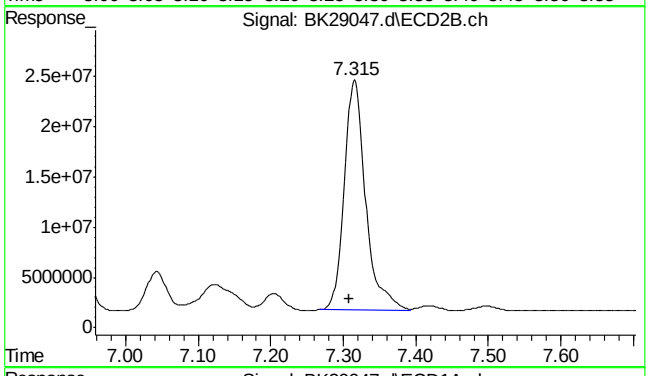
#9 AR1260-C

R.T.: 6.376 min
Delta R.T.: -0.124 min
Response: 654907423
Conc: 552.21 ppb m



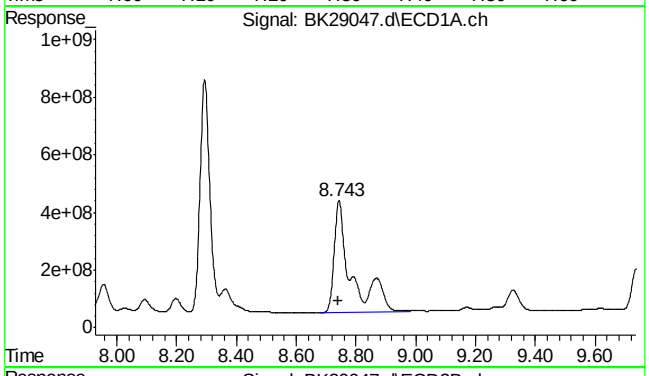
#10 AR1260-D

R.T.: 8.294 min
Delta R.T.: 0.002 min
Response: 18554820211
Conc: 590.60 ppb



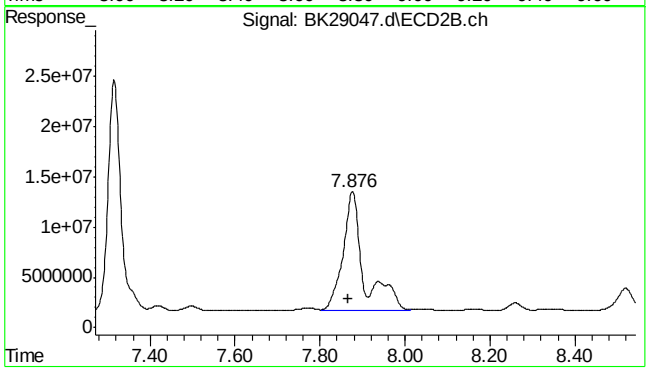
#10 AR1260-D

R.T.: 7.315 min
Delta R.T.: 0.006 min
Response: 468830694
Conc: 522.87 ppb m



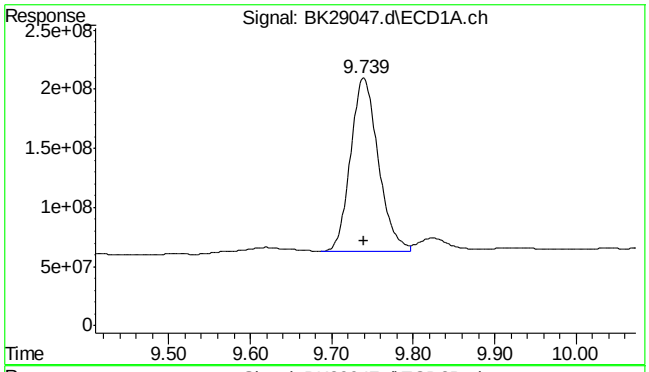
#11 AR1260-E

R.T.: 8.743 min
Delta R.T.: 0.001 min
Response: 15464828919
Conc: 521.16 ppb m



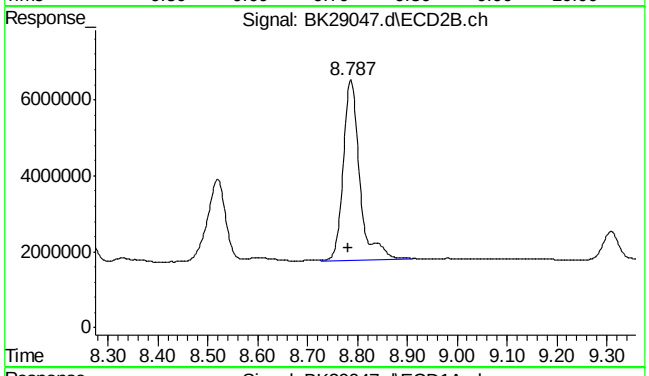
#11 AR1260-E

R.T.: 7.876 min
Delta R.T.: 0.009 min
Response: 407013966
Conc: 470.17 ppb m



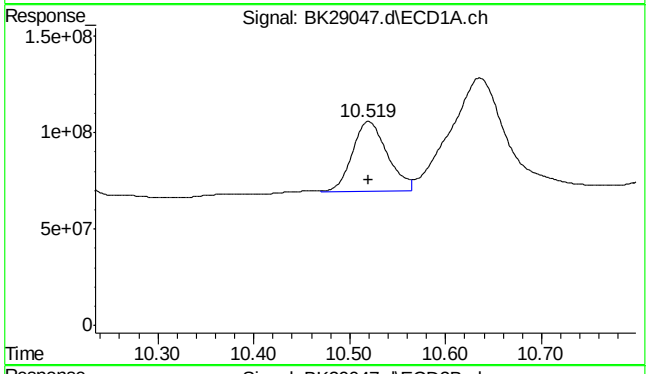
#12 AR1260-F

R.T.: 9.739 min
Delta R.T.: 0.000 min
Response: 3480609112
Conc: 477.20 m



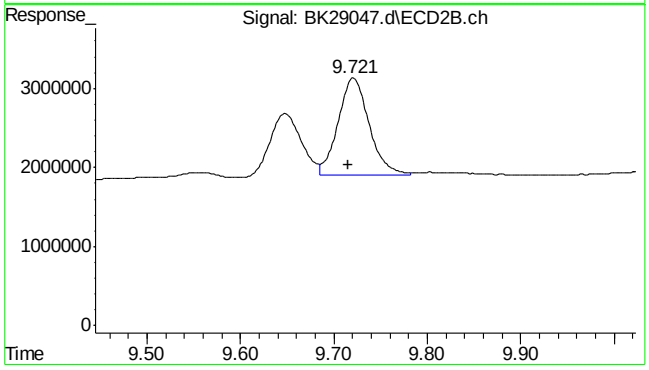
#12 AR1260-F

R.T.: 8.787 min
Delta R.T.: 0.006 min
Response: 108504568
Conc: 439.25 m



#13 DCB

R.T.: 10.519 min
Delta R.T.: 0.000 min
Response: 924871975
Conc: 3.73 ppb m



#13 DCB

R.T.: 9.721 min
Delta R.T.: 0.005 min
Response: 28541550
Conc: 3.33 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/11/13 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29048.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 2:16 pm
Operator : nickk
Sample : mc24023-5,op34712
Misc : op34712,gbk984,15.23,,,10,,s
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 14:45:54 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.005	2.305	8138.6E6	234.3E6	38.959m	29.756m
	Spiked Amount 40.000			Recovery	=	97.40%	74.39%
13) s	DCB	10.519	9.722	8345.2E6	246.4E6	33.629m	28.745
	Spiked Amount 40.000			Recovery	=	84.07%	71.86%
	Target Compounds						
32)	AR1254-A	5.373f	4.525	259.6E6	9373231	14.188m	19.116m#
33)	AR1254-B	5.653	4.746	483.0E6	12104040	19.344m	17.031m
34)	AR1254-C	6.200	0.000	526.9E6	0	14.363m	N.D. d#
35)	AR1254-D	6.593	5.632	189.3E6	9090607	12.609m	12.955m
36)	AR1254-E	7.270	6.376	269.8E6	6701704	13.541m	11.124m

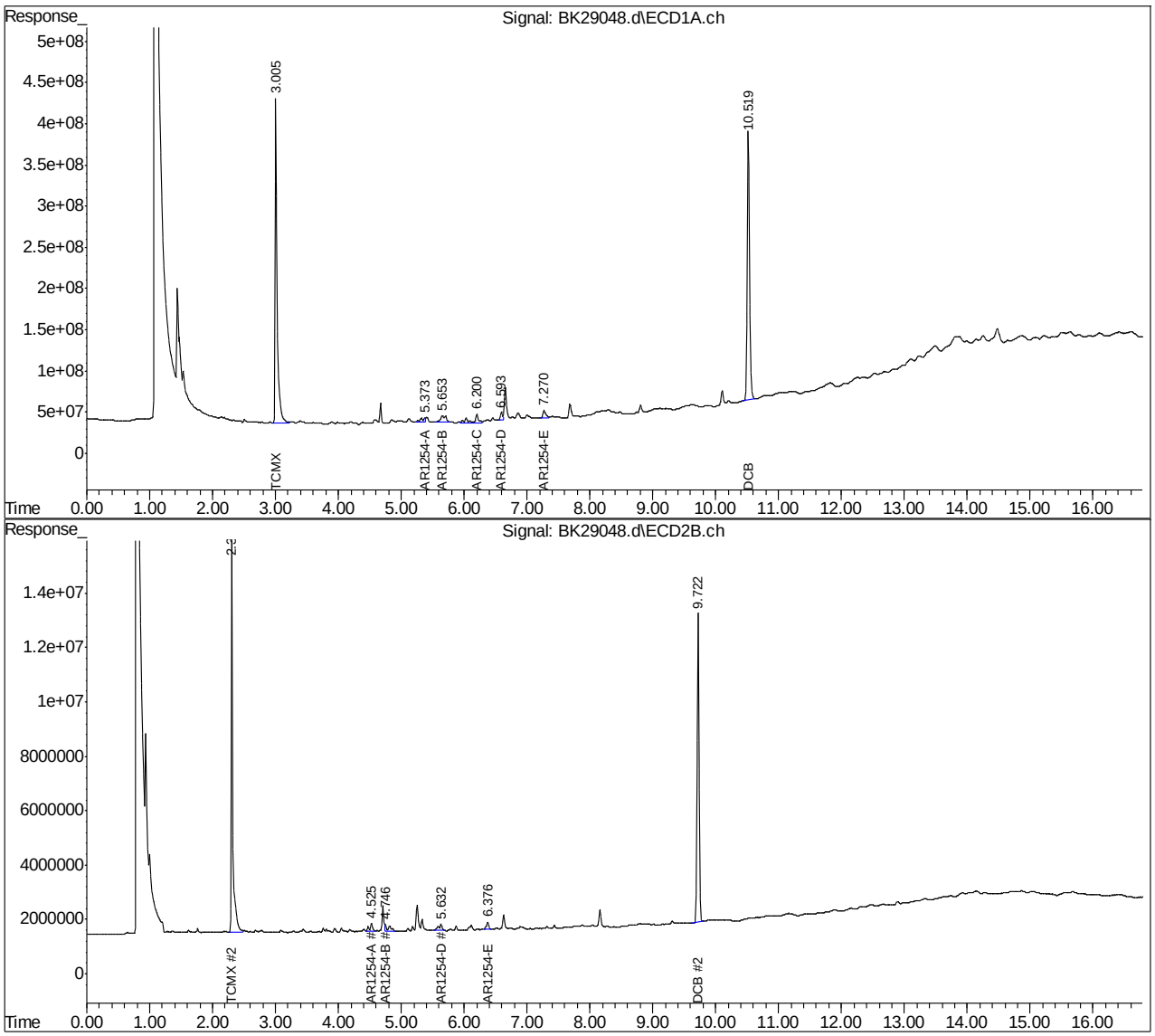
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

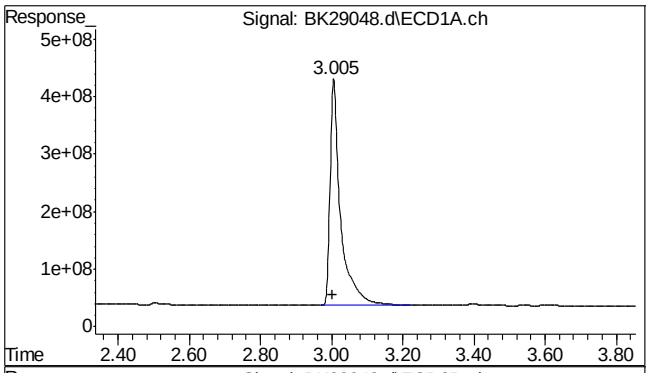
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29048.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 2:16 pm
Operator : nickk
Sample : mc24023-5,op34712
Misc : op34712,gbk984,15.23,,,10,,s
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 14:45:54 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

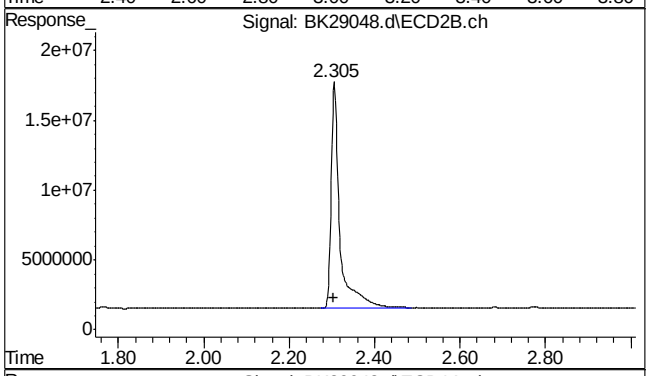
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





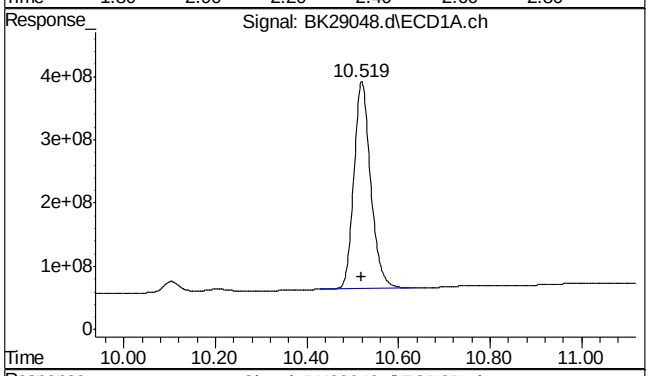
#1 TCMX

R.T.: 3.005 min
Delta R.T.: 0.001 min
Response: 8138630853
Conc: 38.96 ppb m



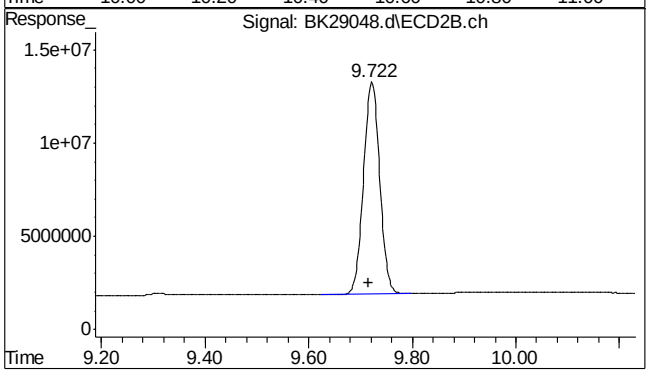
#1 TCMX

R.T.: 2.305 min
Delta R.T.: 0.002 min
Response: 234312445
Conc: 29.76 ppb m



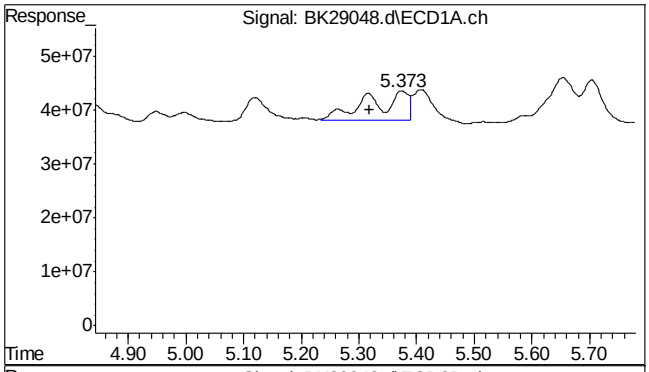
#13 DCB

R.T.: 10.519 min
Delta R.T.: 0.000 min
Response: 8345188142
Conc: 33.63 ppb m



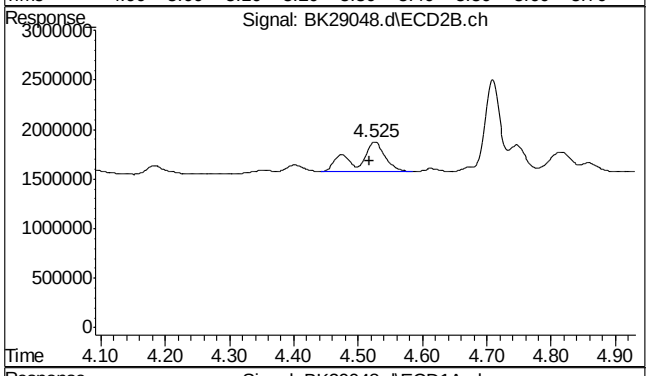
#13 DCB

R.T.: 9.722 min
Delta R.T.: 0.007 min
Response: 246402159
Conc: 28.75 ppb



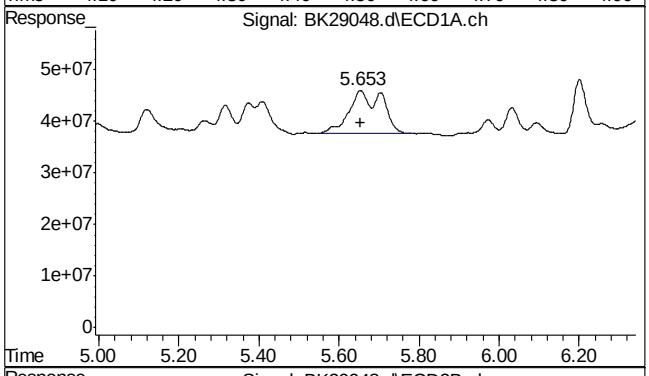
#32 AR1254-A

R.T.: 5.373 min
Delta R.T.: 0.054 min
Response: 259594004
Conc: 14.19 ppb m



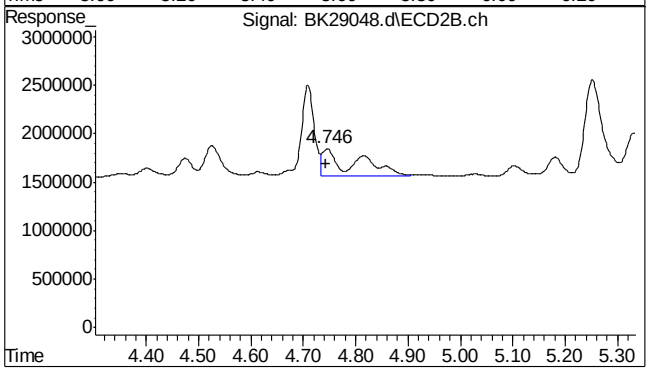
#32 AR1254-A

R.T.: 4.525 min
Delta R.T.: 0.007 min
Response: 9373231
Conc: 19.12 ppb m



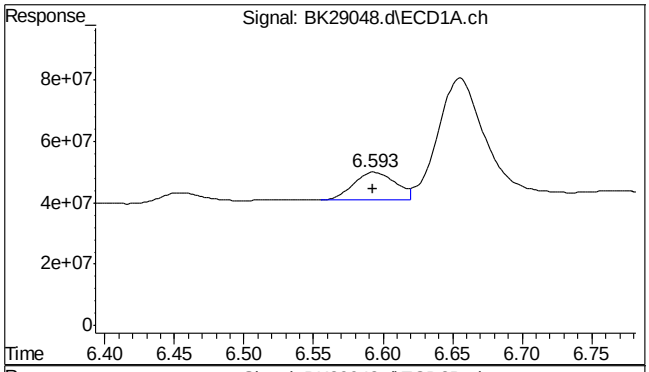
#33 AR1254-B

R.T.: 5.653 min
Delta R.T.: 0.000 min
Response: 483047806
Conc: 19.34 ppb m



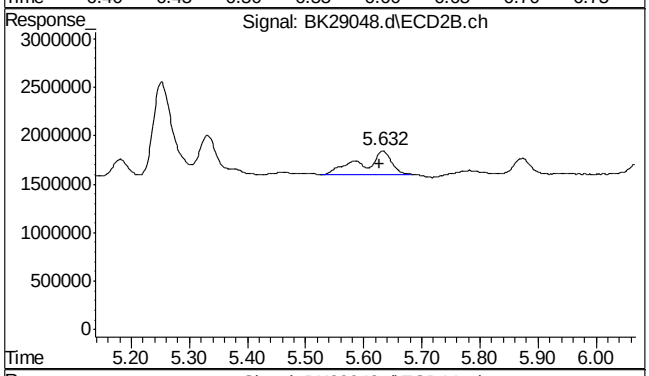
#33 AR1254-B

R.T.: 4.746 min
Delta R.T.: 0.004 min
Response: 12104040
Conc: 17.03 ppb m



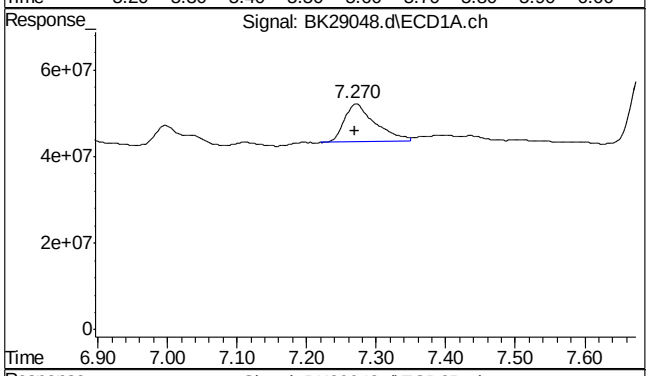
#35 AR1254-D

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 189320123
Conc: 12.61 ppb m



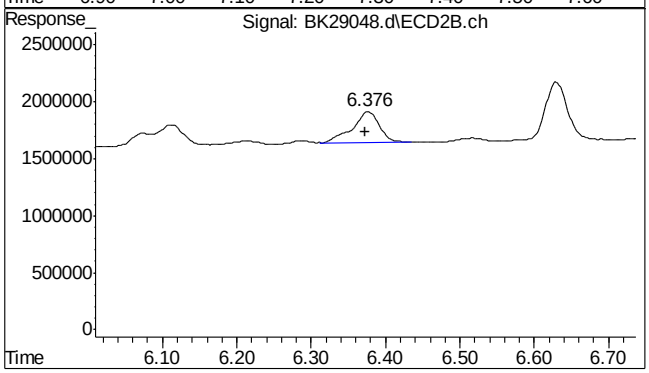
#35 AR1254-D

R.T.: 5.632 min
Delta R.T.: 0.005 min
Response: 9090607
Conc: 12.96 ppb m



#36 AR1254-E

R.T.: 7.270 min
Delta R.T.: 0.000 min
Response: 269807279
Conc: 13.54 ppb m



#36 AR1254-E

R.T.: 6.376 min
Delta R.T.: 0.004 min
Response: 6701704
Conc: 11.12 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/11/13 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29049.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 2:35 pm
Operator : nickk
Sample : mc24023-7,op34712
Misc : op34712,gbk984,15.54,,,10,,s
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 16:18:03 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) s TCMX	3.006	2.306	7977.0E6	228.0E6	38.186	28.954m
Spiked Amount 40.000			Recovery	=	95.47%	72.39%
13) s DCB	10.519	9.722	8210.5E6	221.7E6	33.087m	25.860
Spiked Amount 40.000			Recovery	=	82.72%	64.65%
Target Compounds						

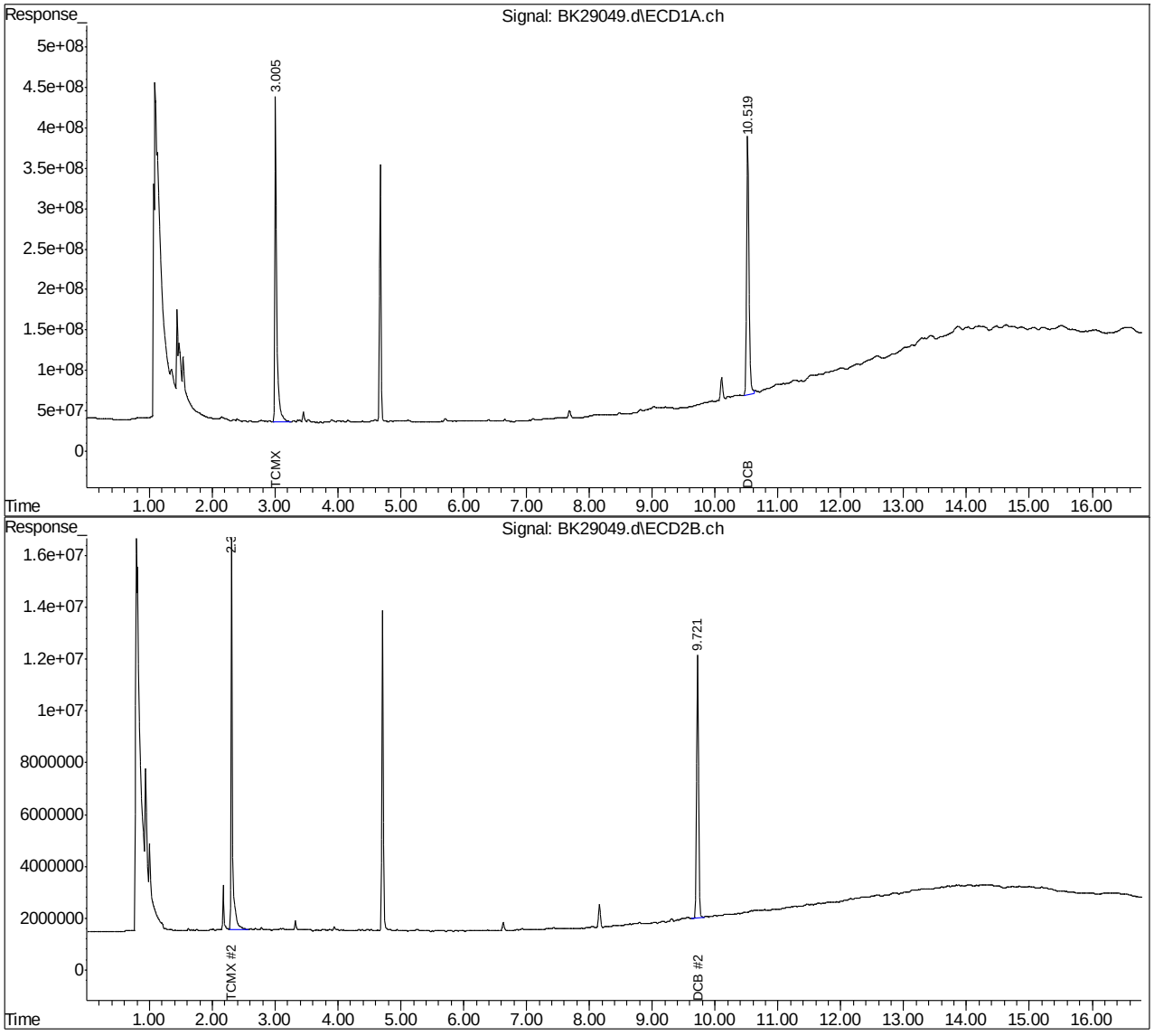
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

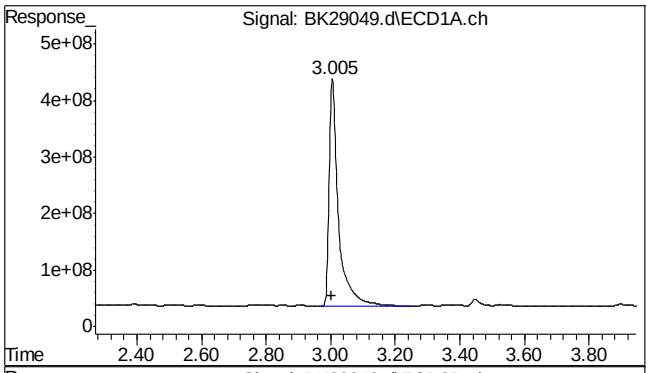
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29049.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 2:35 pm
Operator : nickk
Sample : mc24023-7,op34712
Misc : op34712,gbk984,15.54,,,10,,s
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 16:18:03 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

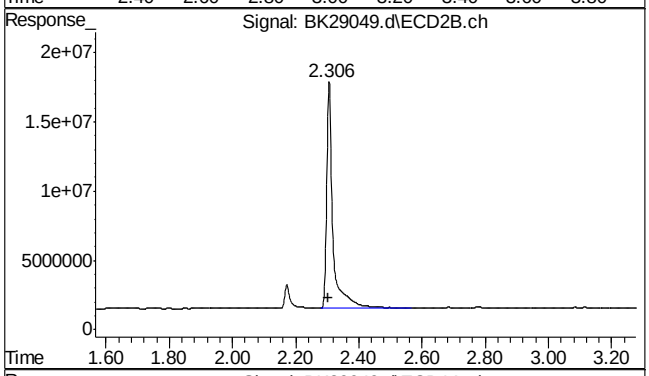
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





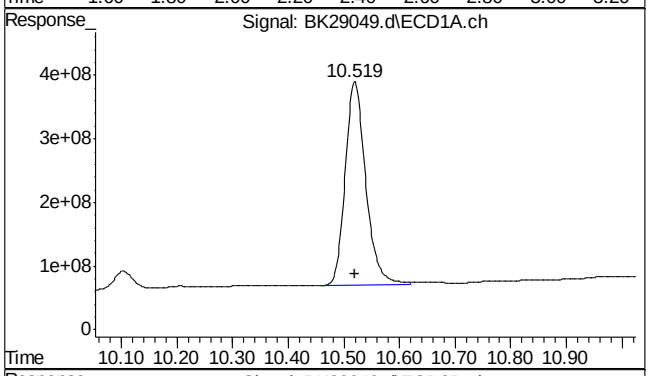
#1 TCMX

R.T.: 3.006 min
Delta R.T.: 0.002 min
Response: 7976977823
Conc: 38.19 ppb



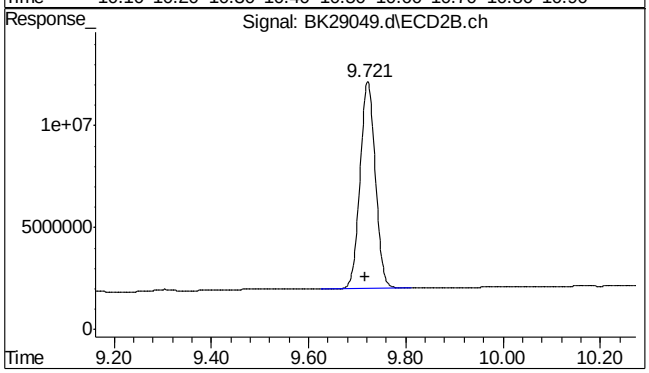
#1 TCMX

R.T.: 2.306 min
Delta R.T.: 0.002 min
Response: 227995011
Conc: 28.95 ppb m



#13 DCB

R.T.: 10.519 min
Delta R.T.: 0.000 min
Response: 8210482397
Conc: 33.09 ppb m



#13 DCB

R.T.: 9.722 min
Delta R.T.: 0.007 min
Response: 221666546
Conc: 25.86 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/11/13 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29032.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 9:13 am
Operator : nickk
Sample : op34712-mb
Misc : op34712,gbk984,15.34,,,10,,s
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 09:40:18 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) s TCMX	3.012	2.303	8966.6E6	268.4E6	42.923m	34.080m
Spiked Amount 40.000			Recovery	=	107.31%	85.20%
13) s DCB	10.526	9.723	9608.5E6	297.1E6	38.720m	34.658m
Spiked Amount 40.000			Recovery	=	96.80%	86.65%
Target Compounds						

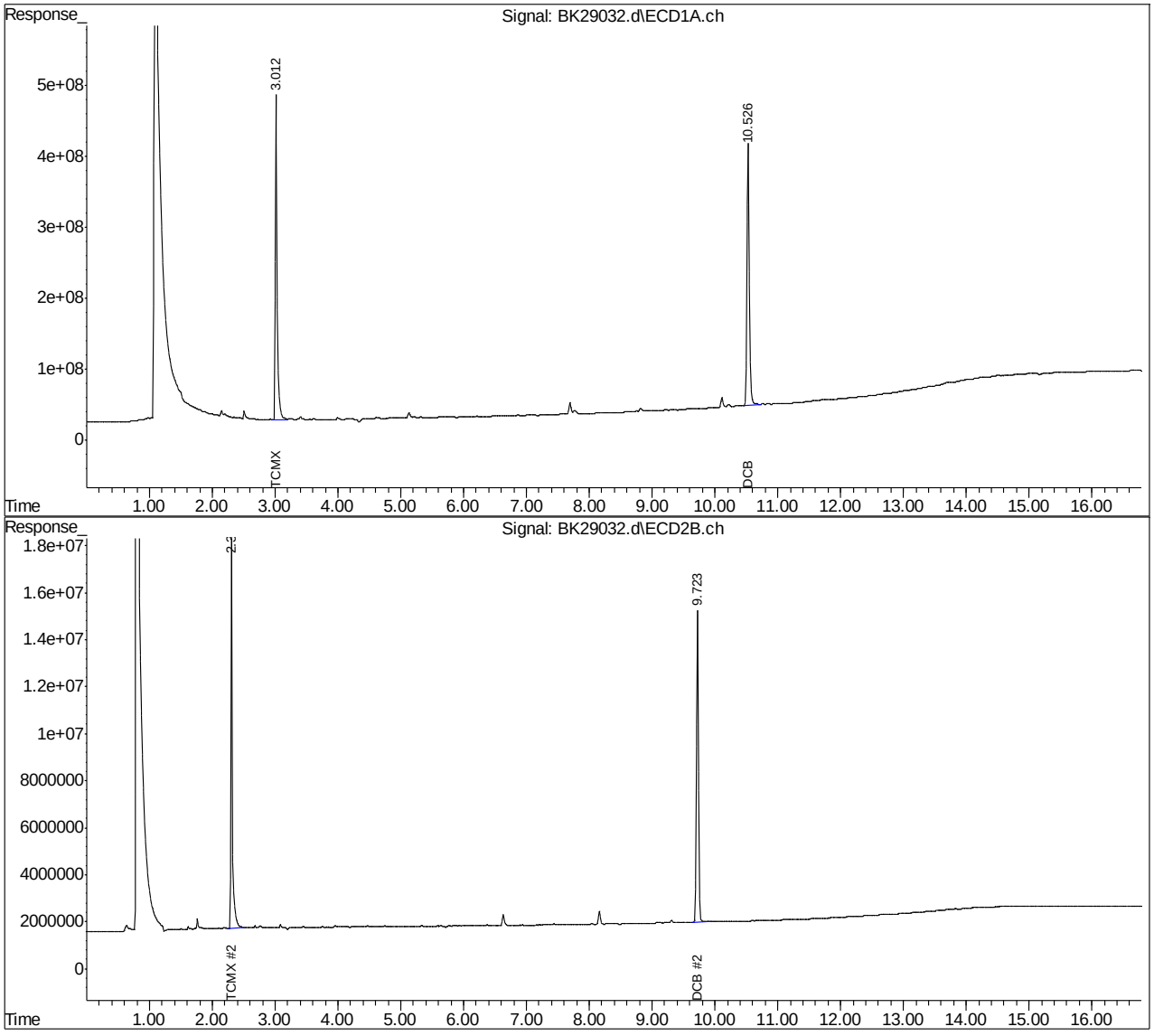
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

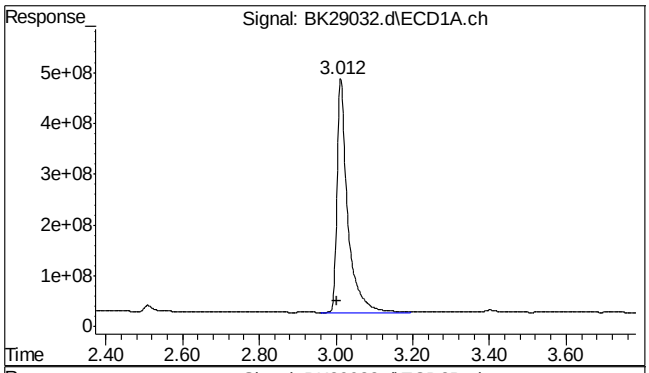
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29032.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 9:13 am
Operator : nickk
Sample : op34712-mb
Misc : op34712,gbk984,15.34,,,10,,s
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 09:40:18 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

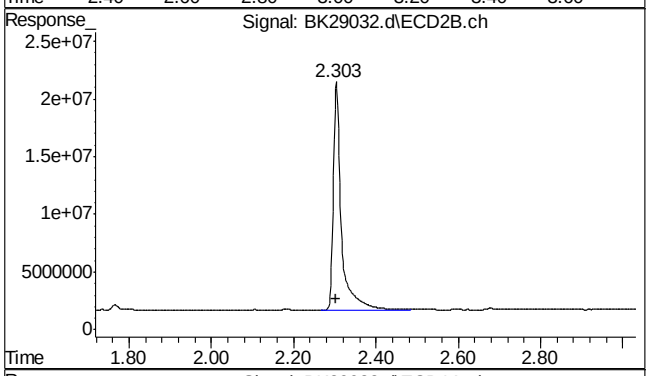
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





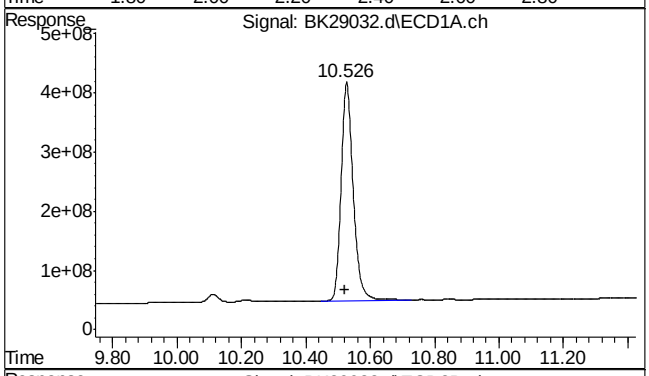
#1 TCMX

R.T.: 3.012 min
Delta R.T.: 0.008 min
Response: 8966599957
Conc: 42.92 ppb m



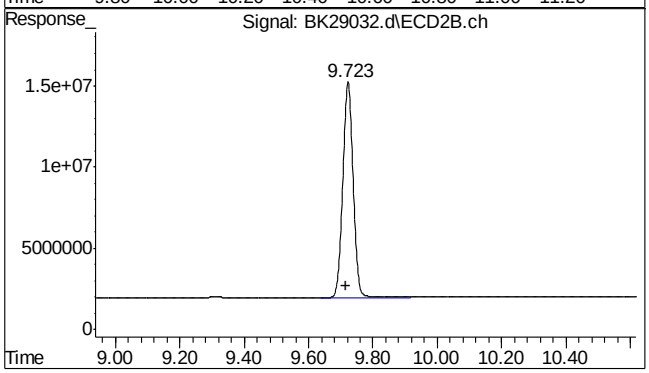
#1 TCMX

R.T.: 2.303 min
Delta R.T.: 0.000 min
Response: 268360697
Conc: 34.08 ppb m



#13 DCB

R.T.: 10.526 min
Delta R.T.: 0.006 min
Response: 9608543851
Conc: 38.72 ppb m



#13 DCB

R.T.: 9.723 min
Delta R.T.: 0.007 min
Response: 297085901
Conc: 34.66 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/11/13 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29033.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 9:32 am
Operator : nickk
Sample : op34712-bs
Misc : op34712,gbk984,15.82,,,10,,s
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 10:36:04 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.006	2.305	8757.8E6	280.4E6	41.923	35.603m
	Spiked Amount 40.000			Recovery	=	104.81%	89.01%
13) s	DCB	10.520	9.721	9919.5E6	307.7E6	39.974m	35.898m
	Spiked Amount 40.000			Recovery	=	99.94%	89.75%
	Target Compounds						
2)	AR1016-A	3.341	2.680	1686.5E6	50928544	395.916	385.571m
3)	AR1016-B	3.704	3.017	3536.6E6	107.3E6	434.635	357.921
4)	AR1016-C	4.207	3.433	7097.8E6	198.2E6	408.932m	343.004m
5)	AR1016-D	4.360	3.564	4722.4E6	78681979	417.370m	351.750m
6)	AR1016-E	4.840	4.046	3109.6E6	99339315	422.840m	357.235m
7)	AR1260-A	6.454	5.586	5465.6E6	143.2E6	440.092	362.938m
8)	AR1260-B	6.851	5.871	11226.6E6	170.0E6	442.367m	366.207m
9)	AR1260-C	7.436	6.504	18975.8E6	455.2E6	427.144m	383.822m
10)	AR1260-D	8.292	7.315	13516.4E6	338.7E6	430.226m	377.701m
11)	AR1260-E	8.743	7.873	12466.4E6	330.0E6	420.114m	381.179m
12)	AR1260-F	9.740	8.786	3110.7E6	93082943	426.486	376.823m

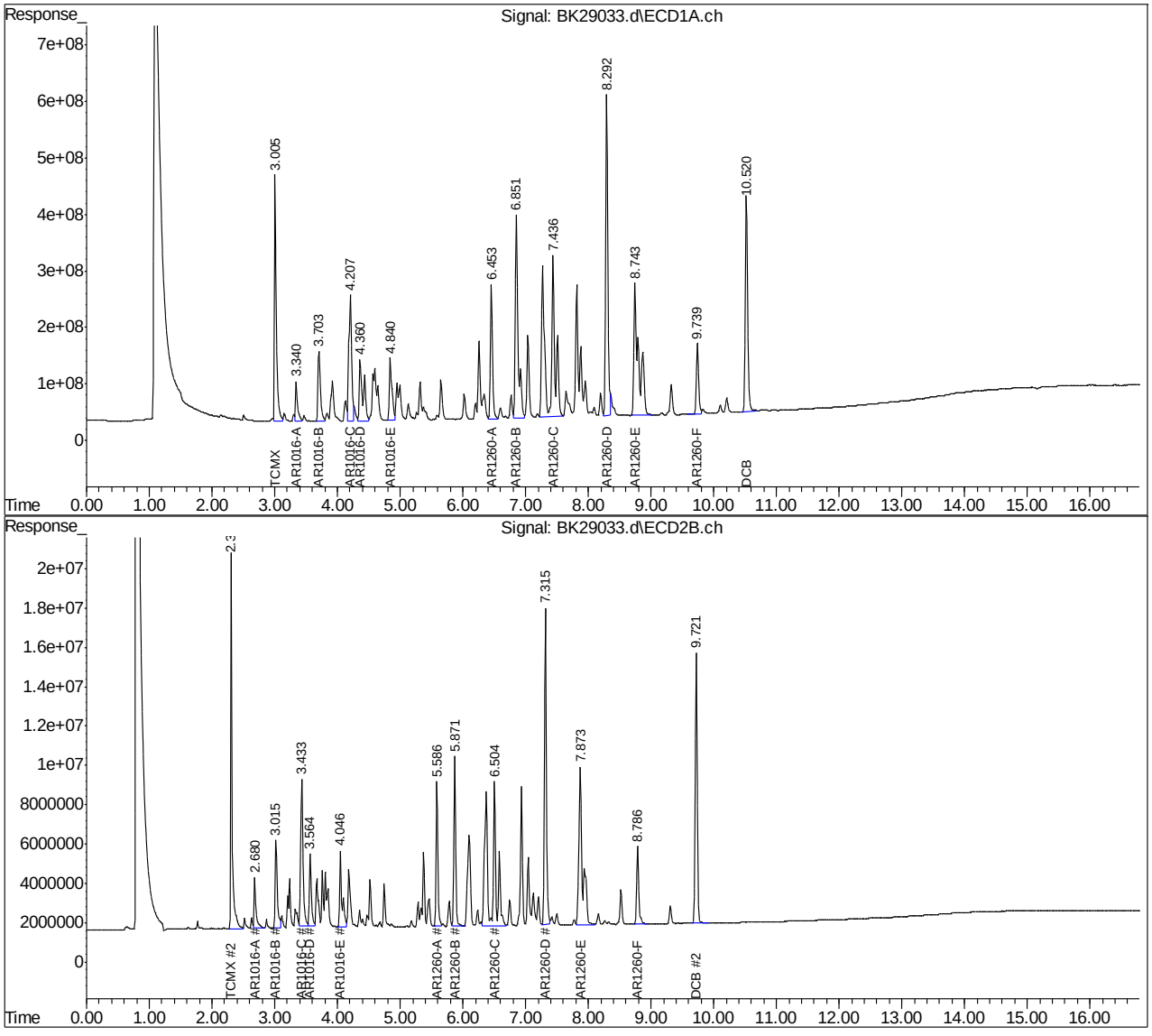
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

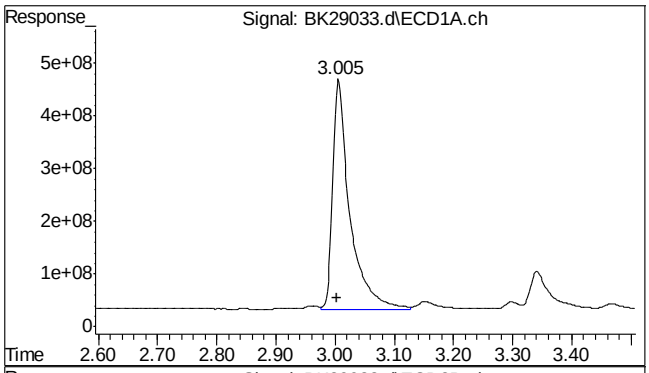
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29033.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 9:32 am
Operator : nickk
Sample : op34712-bs
Misc : op34712,gbk984,15.82,,,10,,s
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 10:36:04 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

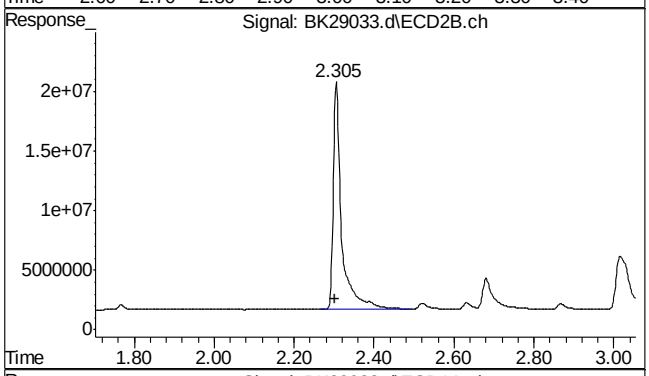
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





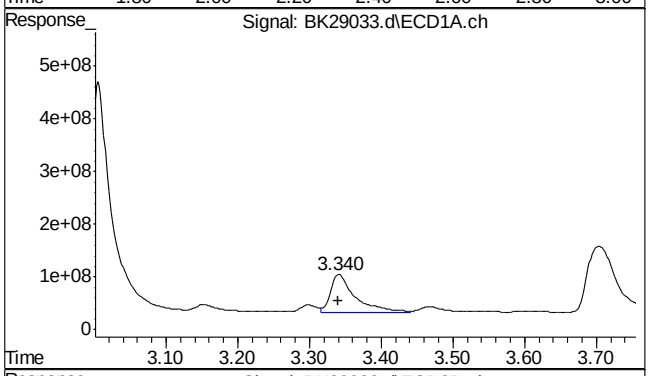
#1 TCMX

R.T.: 3.006 min
Delta R.T.: 0.002 min
Response: 8757771640
Conc: 41.92 ppb



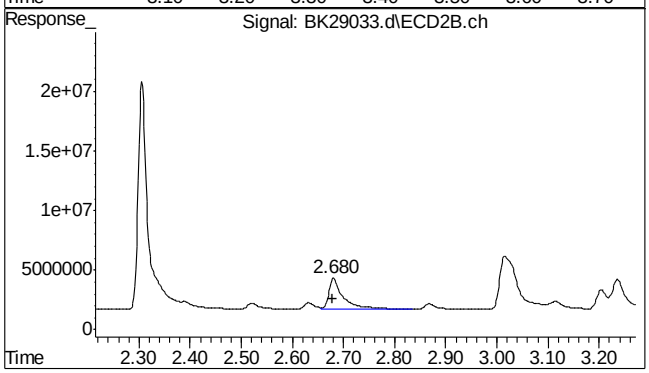
#1 TCMX

R.T.: 2.305 min
Delta R.T.: 0.002 min
Response: 280351064
Conc: 35.60 ppb m



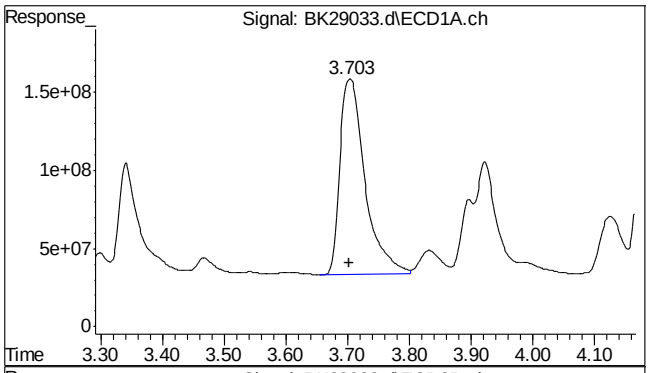
#2 AR1016-A

R.T.: 3.341 min
Delta R.T.: 0.001 min
Response: 1686457892
Conc: 395.92 ppb



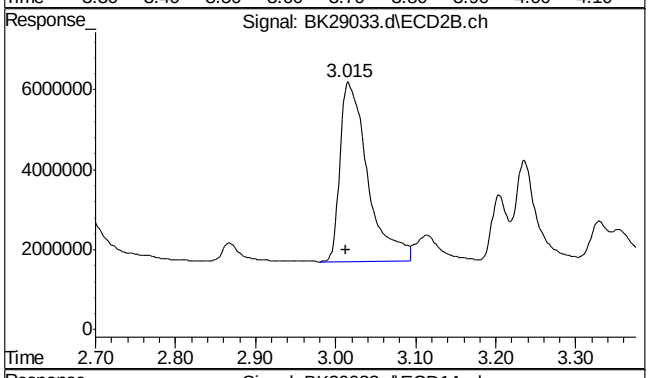
#2 AR1016-A

R.T.: 2.680 min
Delta R.T.: 0.002 min
Response: 50928544
Conc: 385.57 ppb m



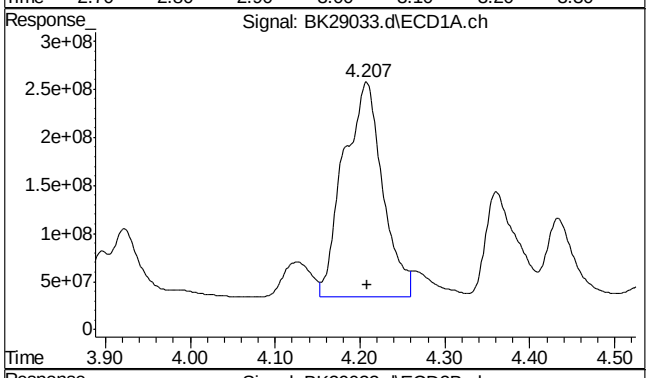
#3 AR1016-B

R.T.: 3.704 min
Delta R.T.: 0.001 min
Response: 3536600232
Conc: 434.64 ppb



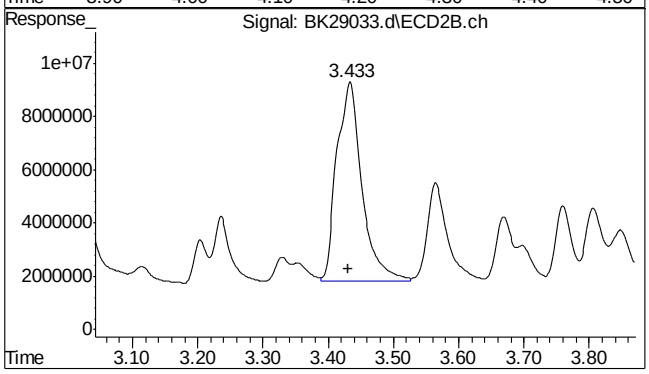
#3 AR1016-B

R.T.: 3.017 min
Delta R.T.: 0.004 min
Response: 107251191
Conc: 357.92 ppb



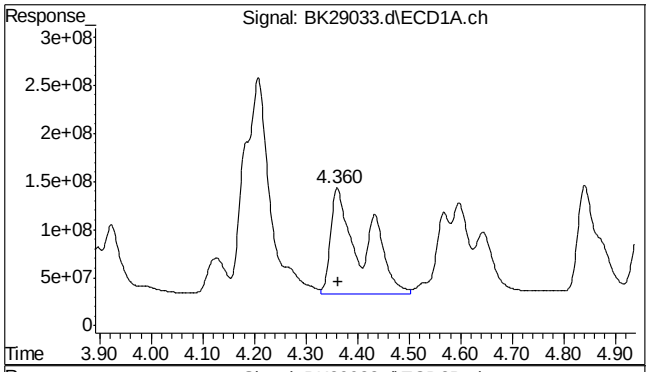
#4 AR1016-C

R.T.: 4.207 min
Delta R.T.: -0.002 min
Response: 7097842769
Conc: 408.93 ppb m



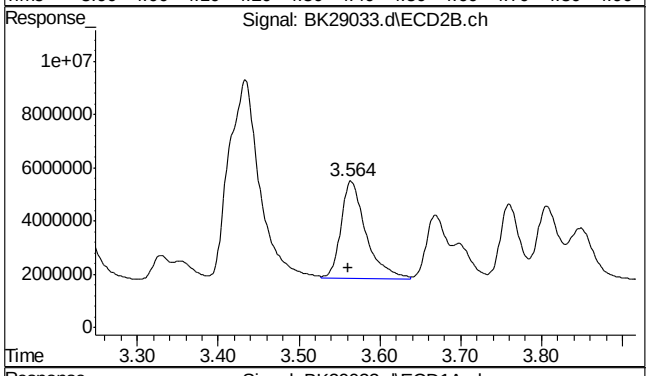
#4 AR1016-C

R.T.: 3.433 min
Delta R.T.: 0.003 min
Response: 198209490
Conc: 343.00 ppb m



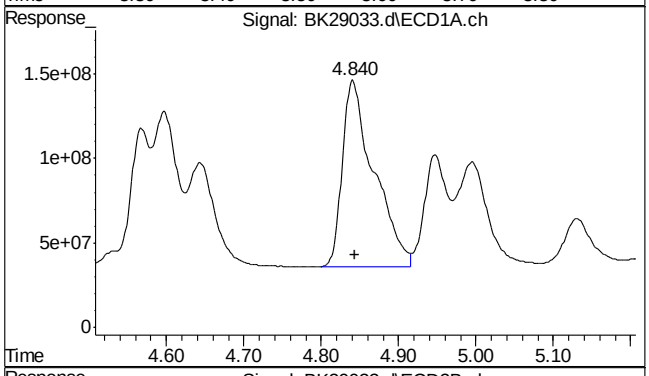
#5 AR1016-D

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 4722420446
Conc: 417.37 m



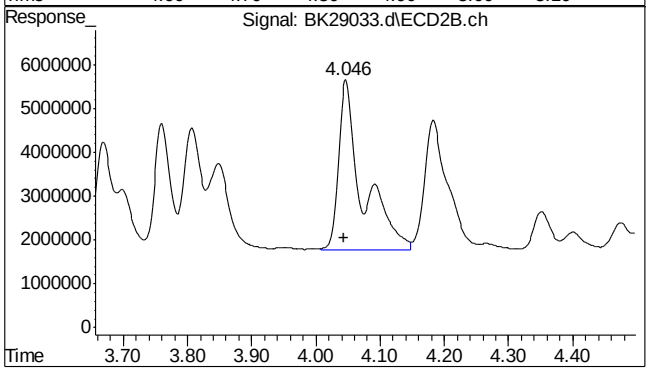
#5 AR1016-D

R.T.: 3.564 min
Delta R.T.: 0.003 min
Response: 78681979
Conc: 351.75 m



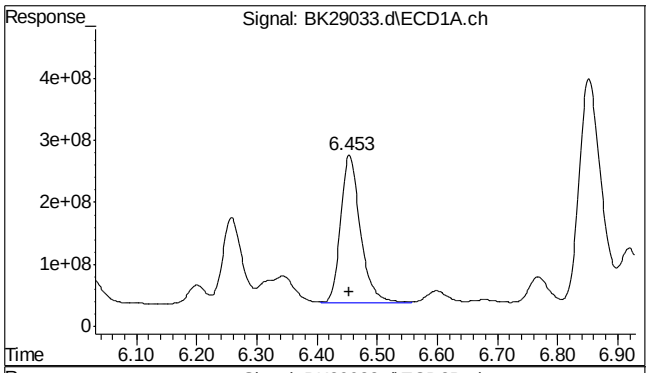
#6 AR1016-E

R.T.: 4.840 min
Delta R.T.: -0.003 min
Response: 3109609713
Conc: 422.84 m



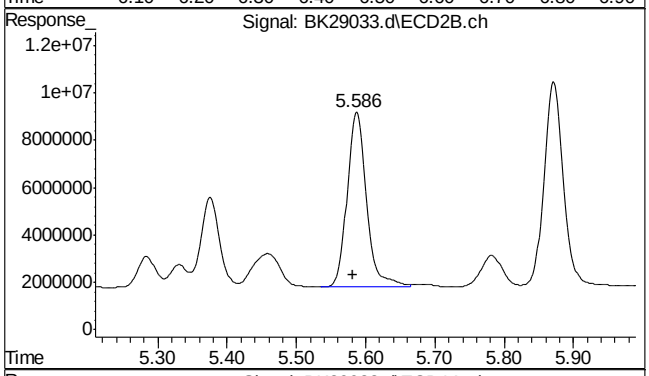
#6 AR1016-E

R.T.: 4.046 min
Delta R.T.: 0.003 min
Response: 99339315
Conc: 357.23 m



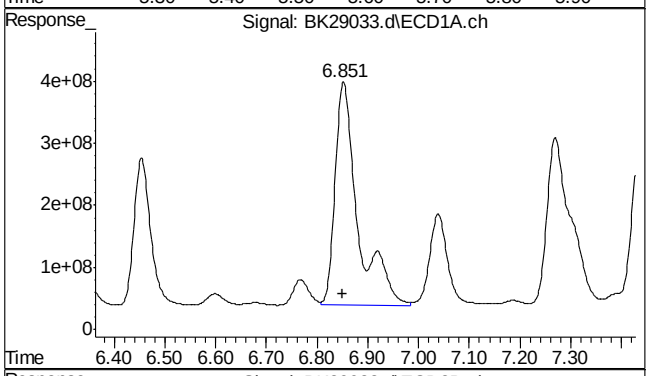
#7 AR1260-A

R.T.: 6.454 min
Delta R.T.: 0.000 min
Response: 5465606578
Conc: 440.09 ppb



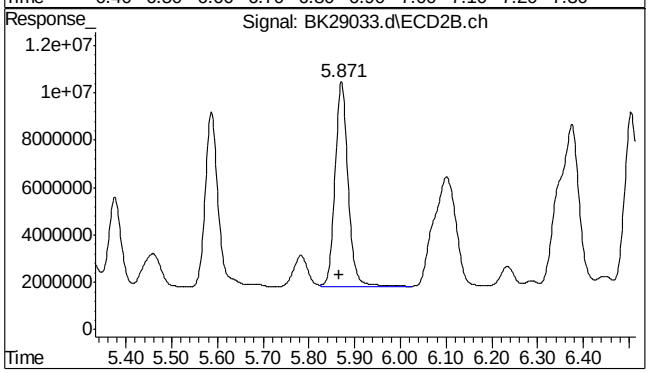
#7 AR1260-A

R.T.: 5.586 min
Delta R.T.: 0.005 min
Response: 143204421
Conc: 362.94 ppb m



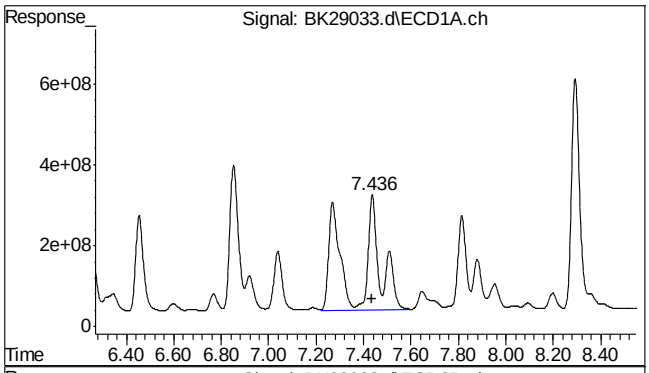
#8 AR1260-B

R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 11226608936
Conc: 442.37 ppb m



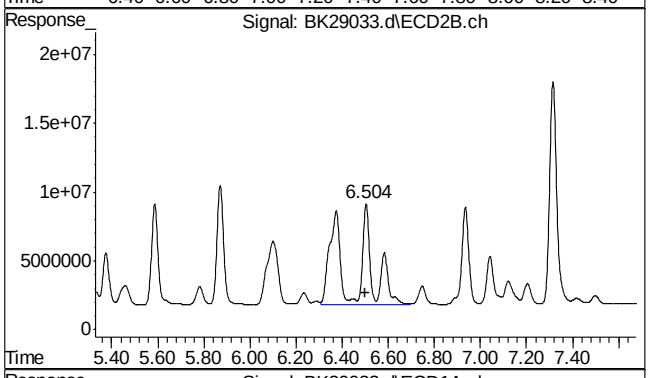
#8 AR1260-B

R.T.: 5.871 min
Delta R.T.: 0.004 min
Response: 170024131
Conc: 366.21 ppb m



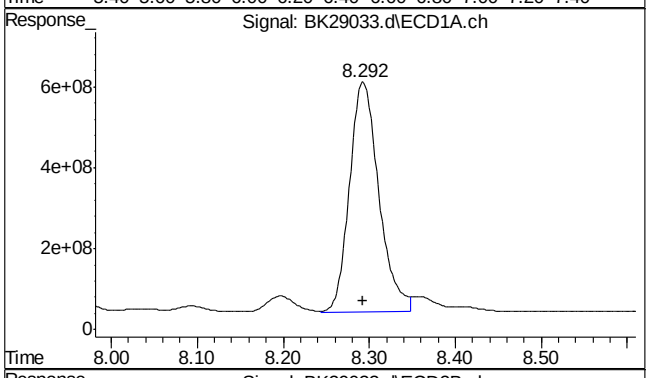
#9 AR1260-C

R.T.: 7.436 min
Delta R.T.: 0.000 min
Response: 18975766421
Conc: 427.14 ppb m



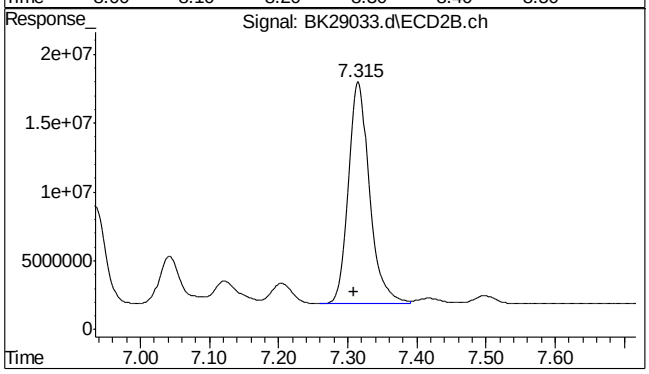
#9 AR1260-C

R.T.: 6.504 min
Delta R.T.: 0.005 min
Response: 455199970
Conc: 383.82 ppb m



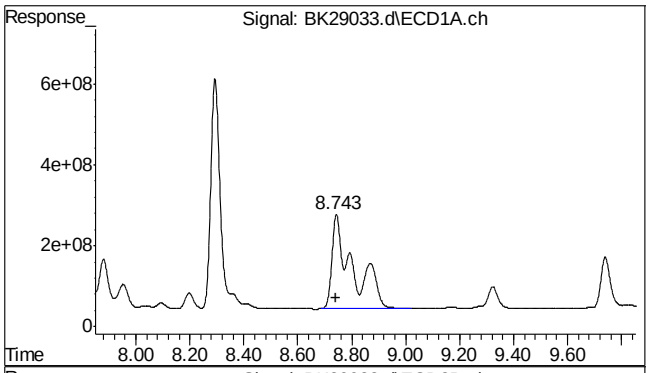
#10 AR1260-D

R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 13516397847
Conc: 430.23 ppb m



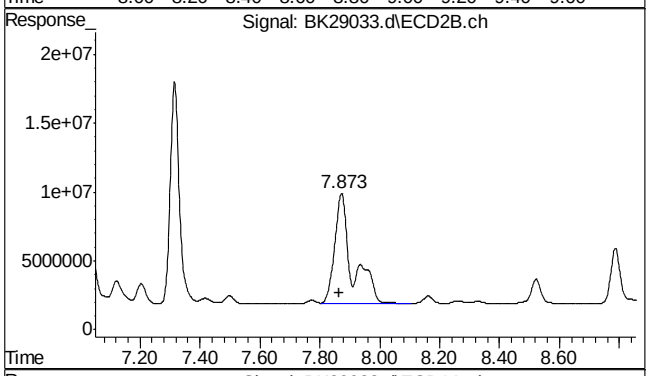
#10 AR1260-D

R.T.: 7.315 min
Delta R.T.: 0.006 min
Response: 338663658
Conc: 377.70 ppb m



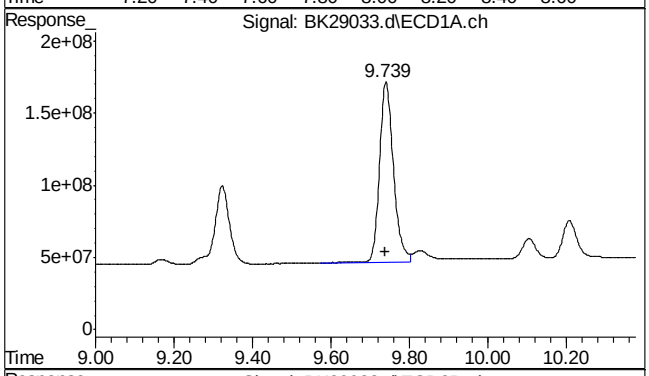
#11 AR1260-E

R.T.: 8.743 min
Delta R.T.: 0.001 min
Response: 12466377851
Conc: 420.11 ppb m



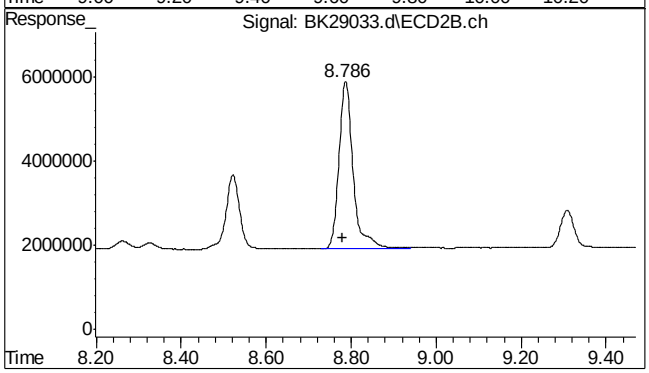
#11 AR1260-E

R.T.: 7.873 min
Delta R.T.: 0.006 min
Response: 329974794
Conc: 381.18 ppb m



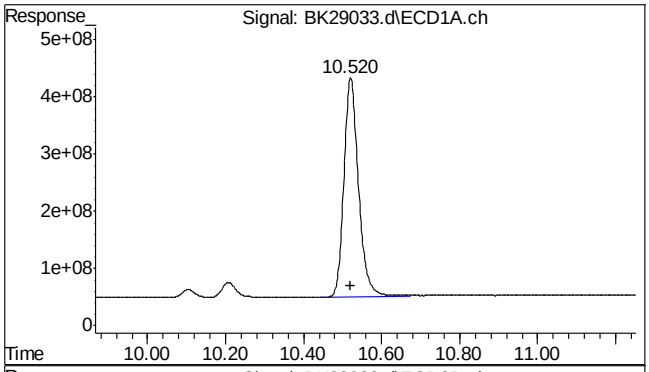
#12 AR1260-F

R.T.: 9.740 min
Delta R.T.: 0.000 min
Response: 3110691298
Conc: 426.49



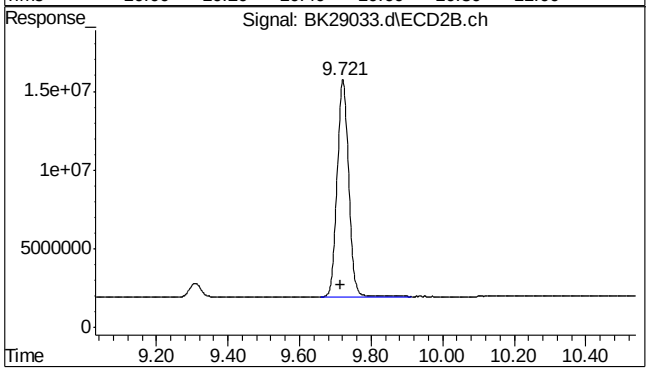
#12 AR1260-F

R.T.: 8.786 min
Delta R.T.: 0.005 min
Response: 93082943
Conc: 376.82 m



#13 DCB

R.T.: 10.520 min
Delta R.T.: 0.000 min
Response: 9919531173
Conc: 39.97 ppb m



#13 DCB

R.T.: 9.721 min
Delta R.T.: 0.006 min
Response: 307715630
Conc: 35.90 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/11/13 14:44

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29034.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 9:51 am
Operator : nickk
Sample : op34712-ms
Misc : op34712,gbk984,15.36,,,10,,s
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 10:39:02 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.005	2.305	7525.0E6	249.8E6	36.022m	31.729m
	Spiked Amount 40.000			Recovery	=	90.05%	79.32%
13) s	DCB	10.519	9.720	8725.9E6	274.6E6	35.164m	32.032m
	Spiked Amount 40.000			Recovery	=	87.91%	80.08%
	Target Compounds						
2)	AR1016-A	3.341	2.680	1513.8E6	41160708	355.388	311.621m
3)	AR1016-B	3.702	3.015	3171.8E6	95294054	389.800	318.018m
4)	AR1016-C	4.206	3.433	6205.5E6	175.7E6	357.521m	304.035
5)	AR1016-D	4.359	3.564	4323.8E6	73036442	382.139m	326.512
6)	AR1016-E	4.840	4.046	2982.4E6	90669418	405.542m	326.057m
7)	AR1260-A	6.461	5.586	7949.7E6	134.1E6	640.113m	339.949m#
8)	AR1260-B	6.852	5.871	6389.2E6	154.0E6	251.755m	331.662 #
10)	AR1260-D	8.293	7.314	12438.5E6	307.0E6	395.916	342.345m
11)	AR1260-E	8.742	7.870	12476.1E6	311.4E6	420.440m	359.702m
12)	AR1260-F	9.739	8.787	2842.4E6	85241375	389.703	345.078m

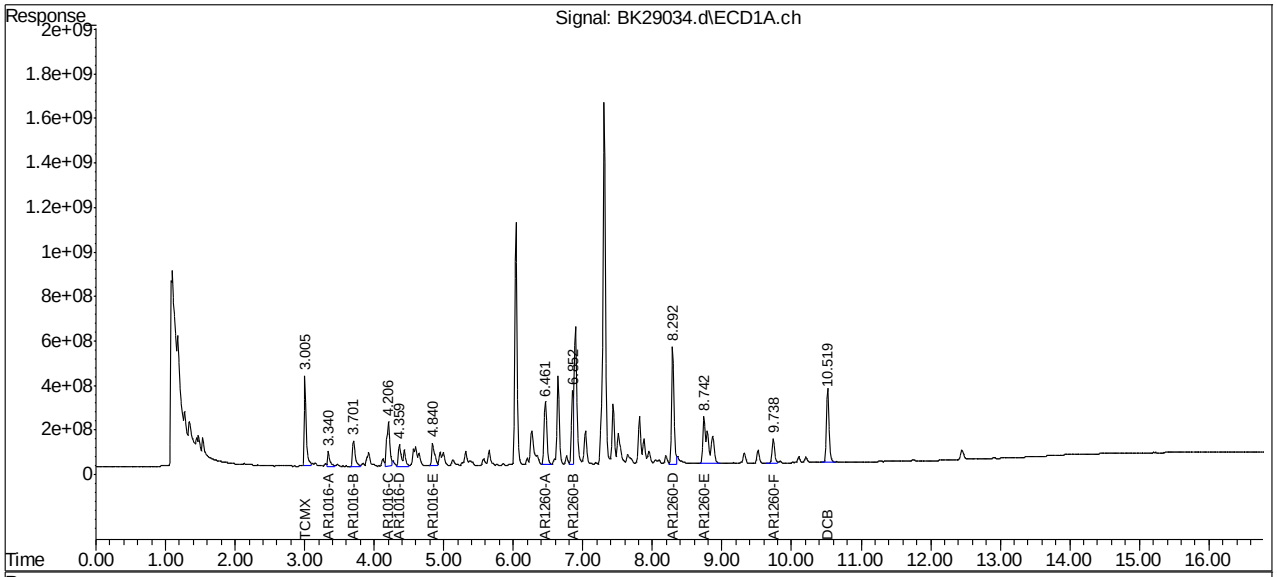
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

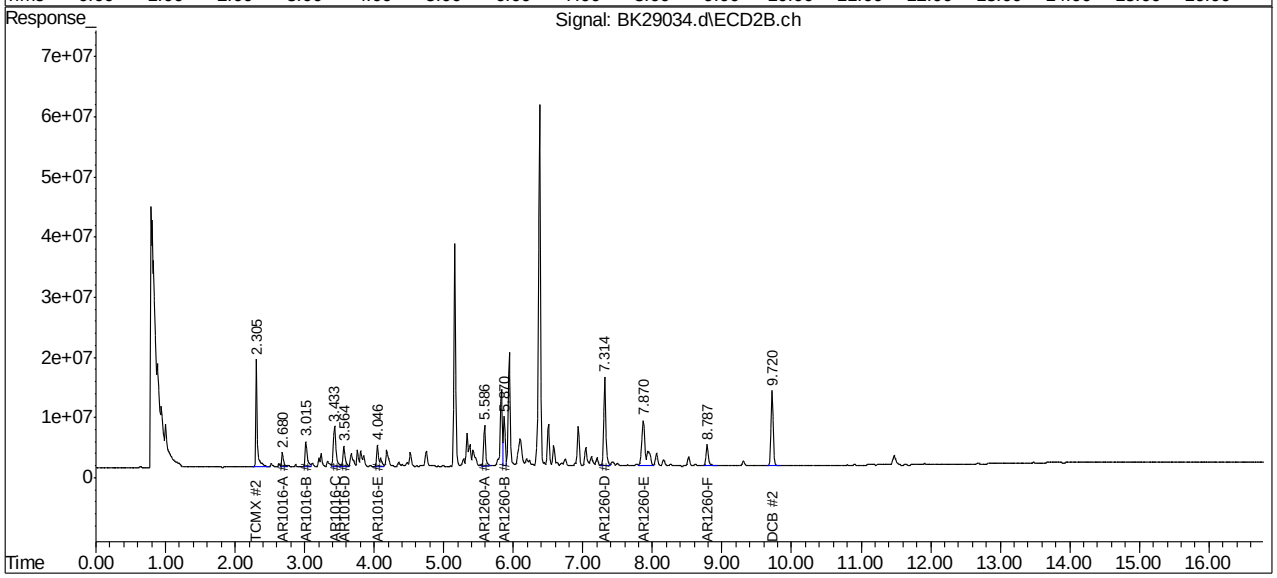
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29034.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 9:51 am
Operator : nickk
Sample : op34712-ms
Misc : op34712,gbk984,15.36,,,10,,s
ALS Vial : 3 Sample Multiplier: 1

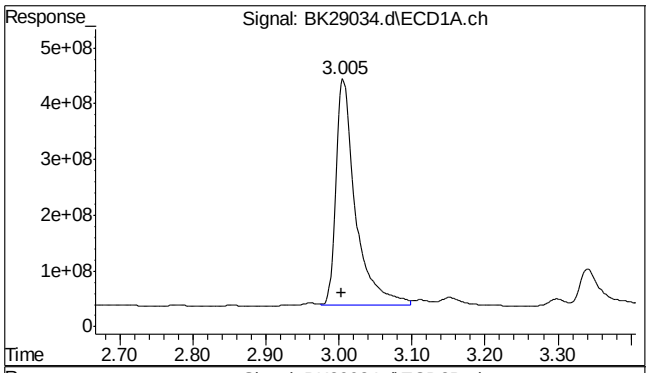
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 10:39:02 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



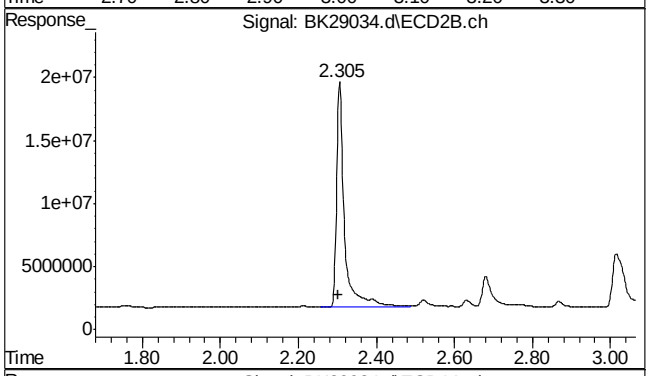


ACCUTEST LABORATORIES MC24023



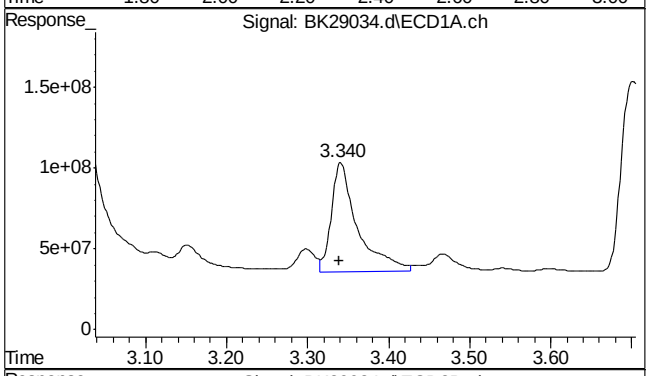
#1 TCMX

R.T.: 3.005 min
Delta R.T.: 0.001 min
Response: 7525002853
Conc: 36.02 ppb m



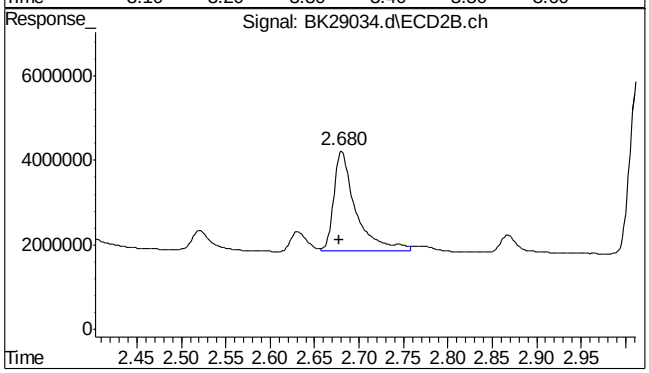
#1 TCMX

R.T.: 2.305 min
Delta R.T.: 0.002 min
Response: 249844302
Conc: 31.73 ppb m



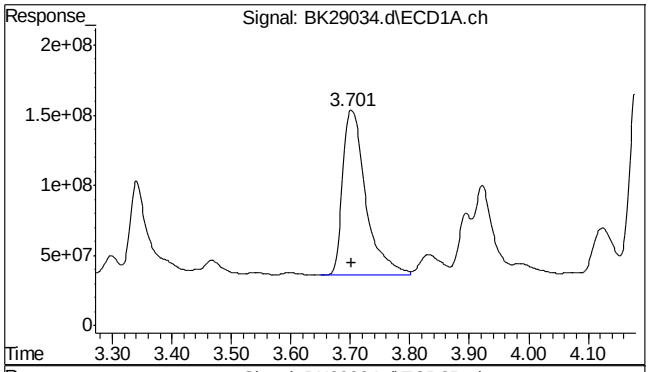
#2 AR1016-A

R.T.: 3.341 min
Delta R.T.: 0.001 min
Response: 1513821459
Conc: 355.39 ppb



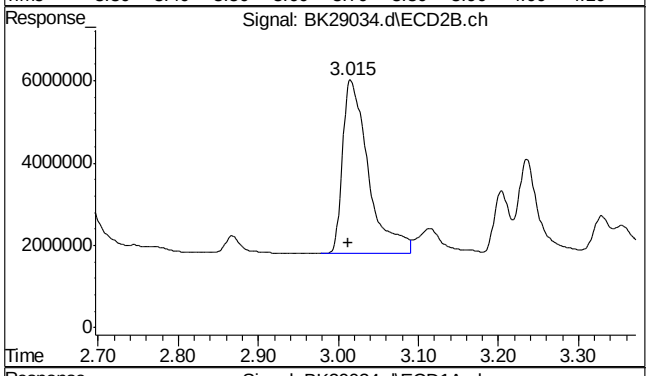
#2 AR1016-A

R.T.: 2.680 min
Delta R.T.: 0.002 min
Response: 41160708
Conc: 311.62 ppb m



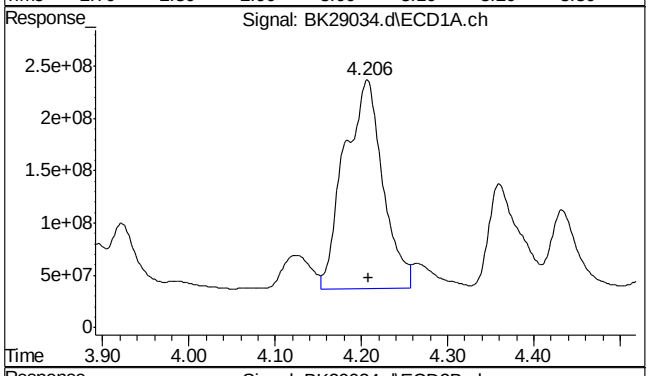
#3 AR1016-B

R.T.: 3.702 min
Delta R.T.: 0.000 min
Response: 3171774997
Conc: 389.80 ppb



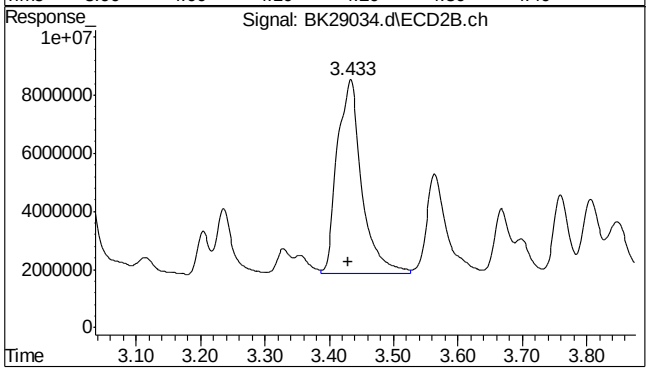
#3 AR1016-B

R.T.: 3.015 min
Delta R.T.: 0.002 min
Response: 95294054
Conc: 318.02 ppb m



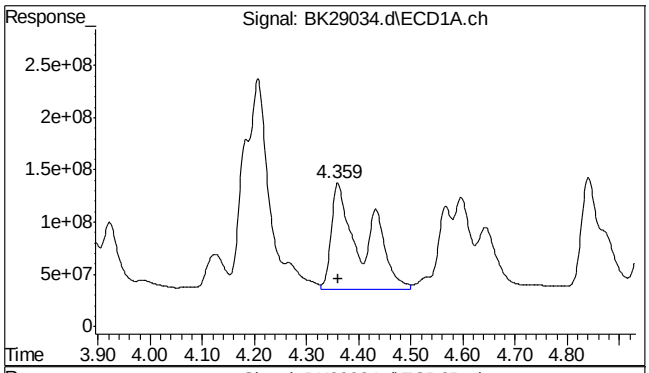
#4 AR1016-C

R.T.: 4.206 min
Delta R.T.: -0.002 min
Response: 6205513215
Conc: 357.52 ppb m



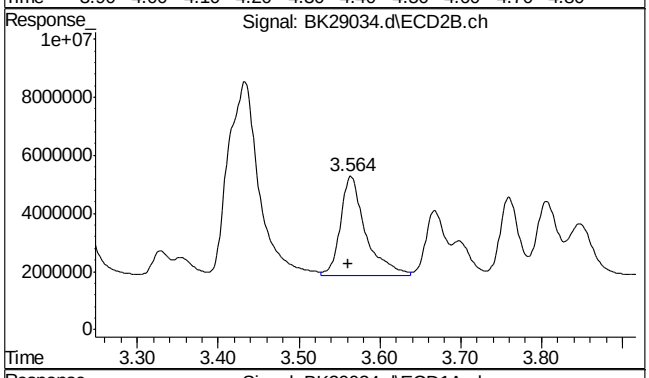
#4 AR1016-C

R.T.: 3.433 min
Delta R.T.: 0.003 min
Response: 175690526
Conc: 304.03 ppb



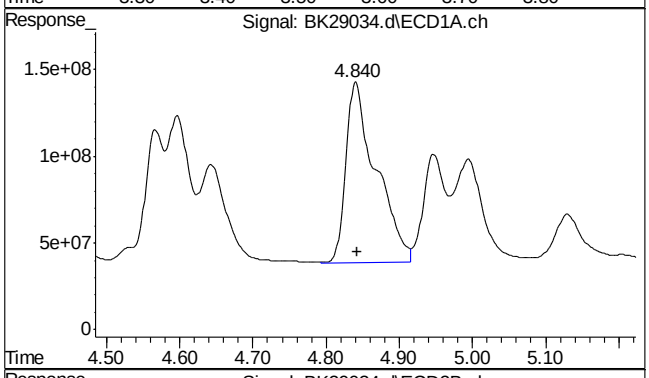
#5 AR1016-D

R.T.: 4.359 min
Delta R.T.: -0.002 min
Response: 4323789916
Conc: 382.14 m



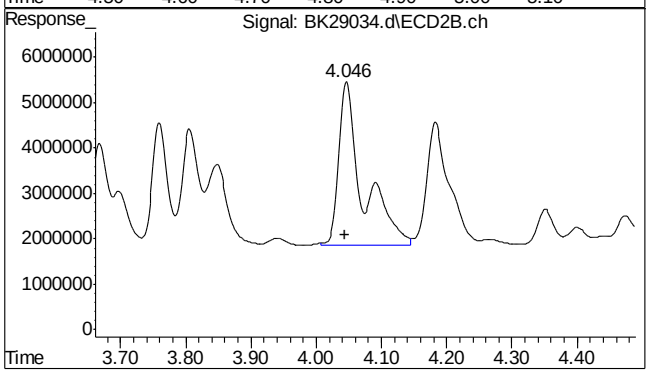
#5 AR1016-D

R.T.: 3.564 min
Delta R.T.: 0.004 min
Response: 73036442
Conc: 326.51



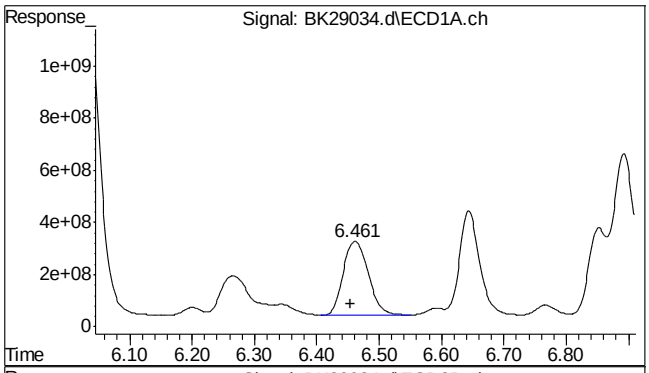
#6 AR1016-E

R.T.: 4.840 min
Delta R.T.: -0.003 min
Response: 2982400201
Conc: 405.54 m



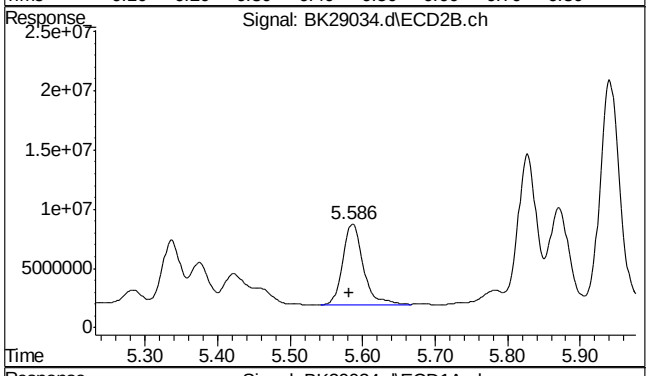
#6 AR1016-E

R.T.: 4.046 min
Delta R.T.: 0.003 min
Response: 90669418
Conc: 326.06 m



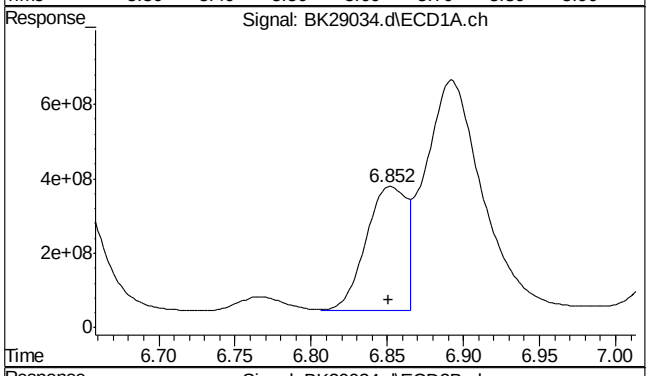
#7 AR1260-A

R.T.: 6.461 min
Delta R.T.: 0.007 min
Response: 7949720008
Conc: 640.11 ppb m



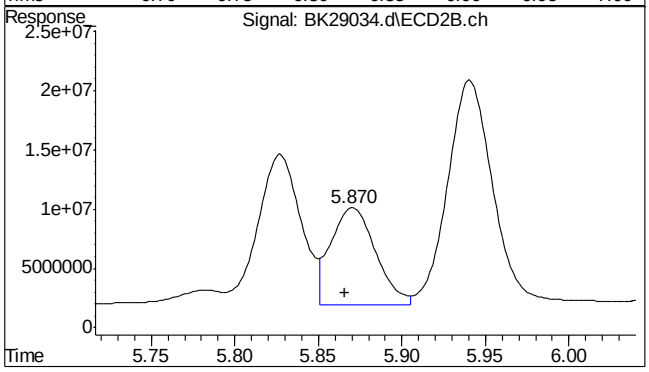
#7 AR1260-A

R.T.: 5.586 min
Delta R.T.: 0.004 min
Response: 134133450
Conc: 339.95 ppb m



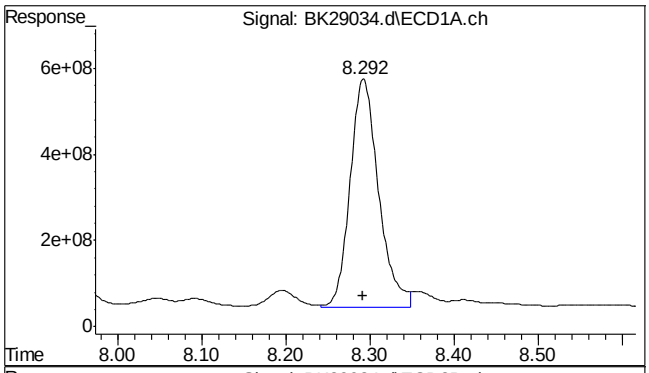
#8 AR1260-B

R.T.: 6.852 min
Delta R.T.: 0.000 min
Response: 6389156562
Conc: 251.75 ppb m



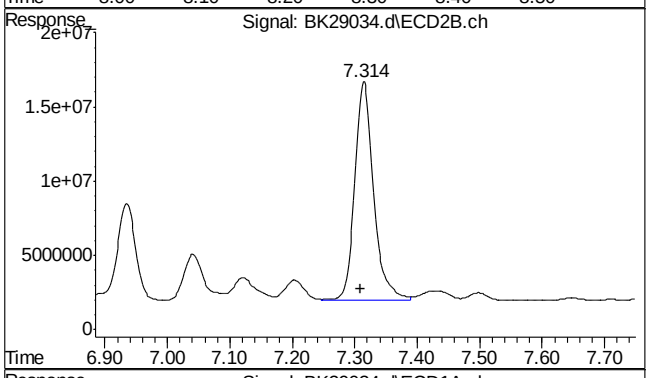
#8 AR1260-B

R.T.: 5.871 min
Delta R.T.: 0.005 min
Response: 153985183
Conc: 331.66 ppb



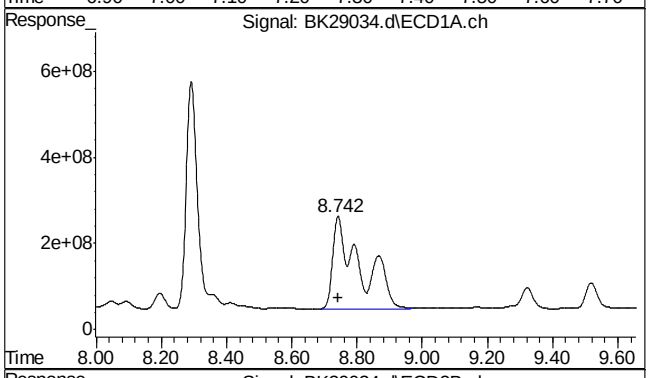
#10 AR1260-D

R.T.: 8.293 min
Delta R.T.: 0.000 min
Response: 12438481308
Conc: 395.92 ppb



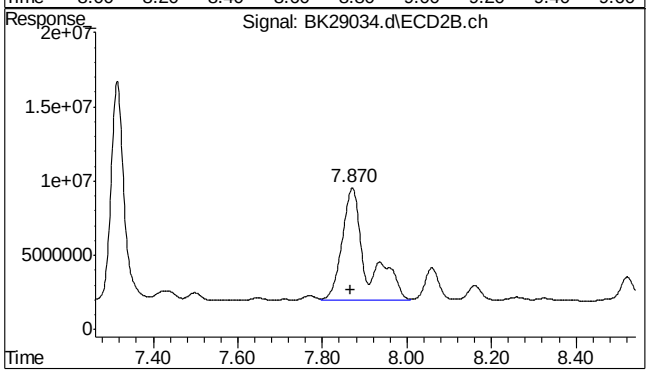
#10 AR1260-D

R.T.: 7.314 min
Delta R.T.: 0.005 min
Response: 306961933
Conc: 342.35 ppb m



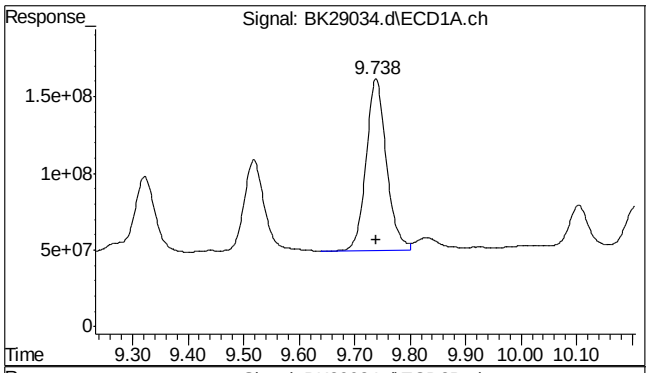
#11 AR1260-E

R.T.: 8.742 min
Delta R.T.: 0.000 min
Response: 12476060594
Conc: 420.44 ppb m



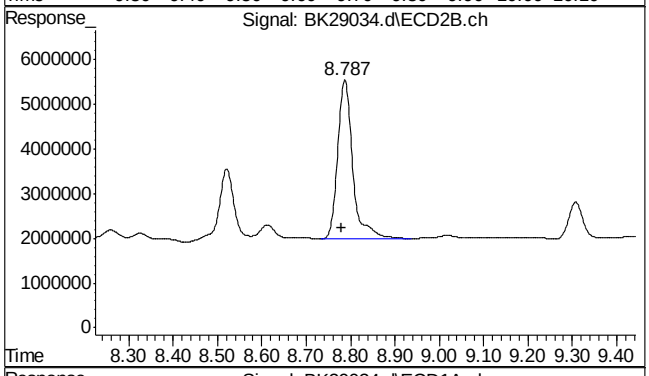
#11 AR1260-E

R.T.: 7.870 min
Delta R.T.: 0.004 min
Response: 311382441
Conc: 359.70 ppb m



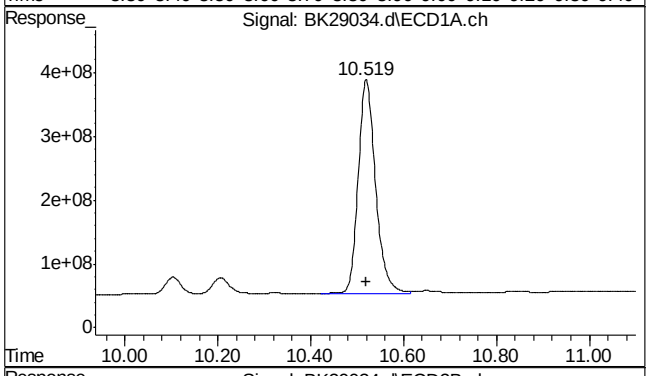
#12 AR1260-F

R.T.: 9.739 min
Delta R.T.: 0.000 min
Response: 2842405350
Conc: 389.70



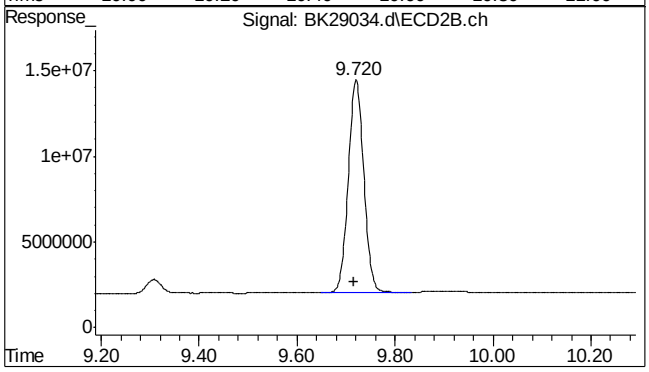
#12 AR1260-F

R.T.: 8.787 min
Delta R.T.: 0.006 min
Response: 85241375
Conc: 345.08 m



#13 DCB

R.T.: 10.519 min
Delta R.T.: 0.000 min
Response: 8725941337
Conc: 35.16 ppb m



#13 DCB

R.T.: 9.720 min
Delta R.T.: 0.005 min
Response: 274576415
Conc: 32.03 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/11/13 14:44

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29035.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 10:10 am
Operator : nickk
Sample : op34712-msd
Misc : op34712,gbk984,15.46,,,10,,s
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 10:41:13 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.004	2.305	8274.9E6	274.5E6	39.612m	34.858m
	Spiked Amount 40.000			Recovery	=	99.03%	87.14%
13) s	DCB	10.519	9.720	9823.5E6	307.6E6	39.586m	35.886m
	Spiked Amount 40.000			Recovery	=	98.96%	89.72%
	Target Compounds						
2)	AR1016-A	3.340	2.680	3183.6E6	92706666	747.396	701.866m
3)	AR1016-B	3.703	3.015	6727.7E6	195.3E6	826.812	651.709m
4)	AR1016-C	4.207	3.434	13531.1E6	389.0E6	779.572m	673.116
5)	AR1016-D	4.360	3.565	8961.1E6	149.2E6	791.987m	666.991
6)	AR1016-E	4.840	4.046	5856.1E6	191.9E6	796.306m	690.103m
7)	AR1260-A	6.457	5.587	14300.3E6	284.9E6	1151.463m	721.971 #
8)	AR1260-B	6.853	5.871	15828.9E6	334.8E6	623.712	721.082
10)	AR1260-D	8.292	7.315	27064.8E6	699.3E6	861.472m	779.873
11)	AR1260-E	8.741	7.871	26640.3E6	670.4E6	897.771m	774.408m
12)	AR1260-F	9.738	8.786	6281.3E6	187.1E6	861.191m	757.305m

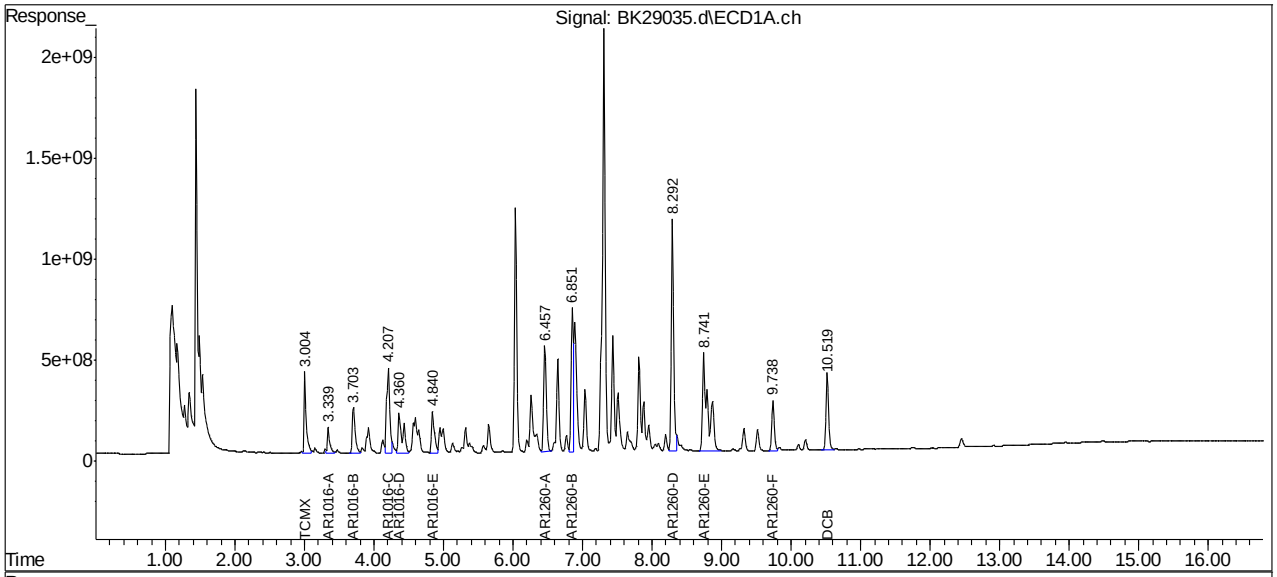
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

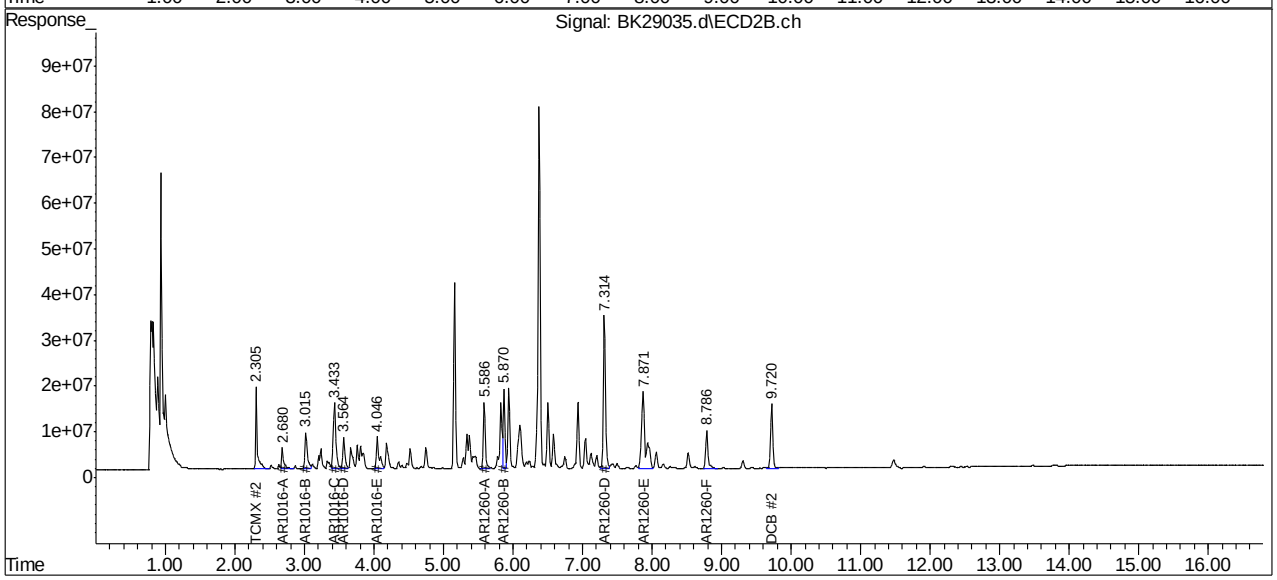
Quantitation Report (QT Reviewed)

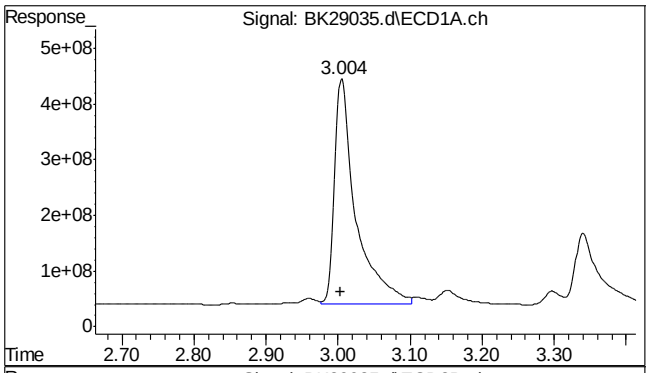
Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29035.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 10:10 am
Operator : nickk
Sample : op34712-msd
Misc : op34712,gbk984,15.46,,,10,,s
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 10:41:13 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

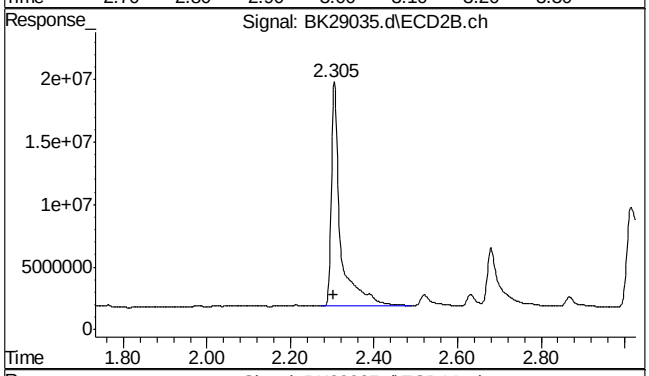






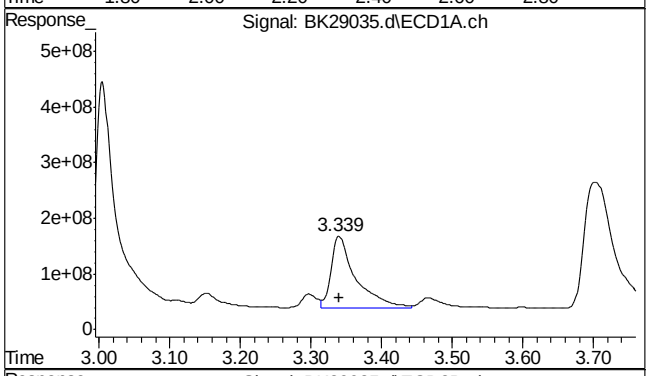
#1 TCMX

R.T.: 3.004 min
Delta R.T.: 0.000 min
Response: 8274913638
Conc: 39.61 ppb m



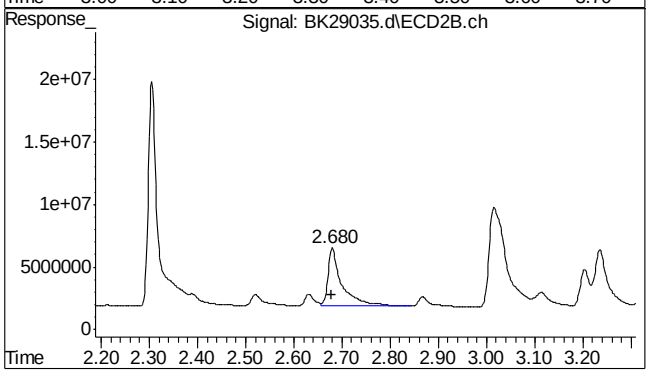
#1 TCMX

R.T.: 2.305 min
Delta R.T.: 0.002 min
Response: 274481248
Conc: 34.86 ppb m



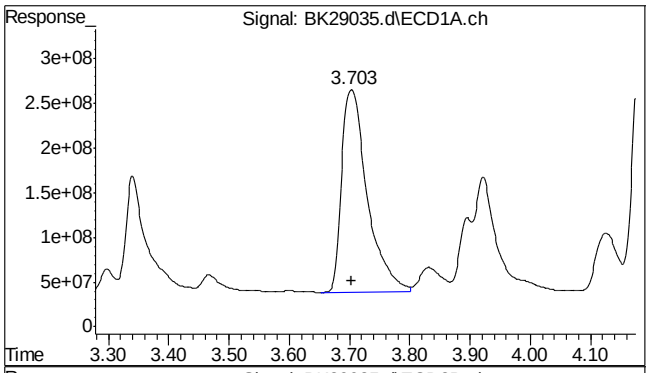
#2 AR1016-A

R.T.: 3.340 min
Delta R.T.: 0.000 min
Response: 3183631045
Conc: 747.40 ppb



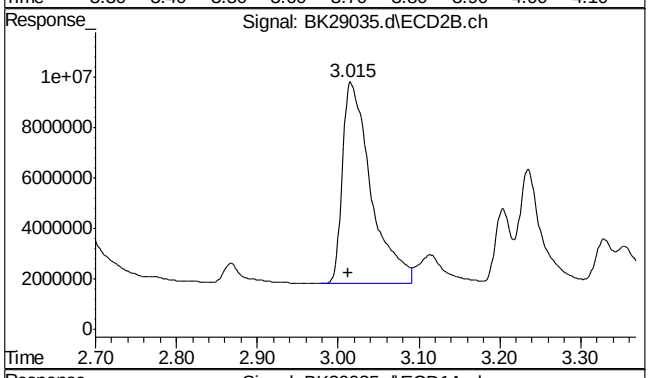
#2 AR1016-A

R.T.: 2.680 min
Delta R.T.: 0.002 min
Response: 92706666
Conc: 701.87 ppb m



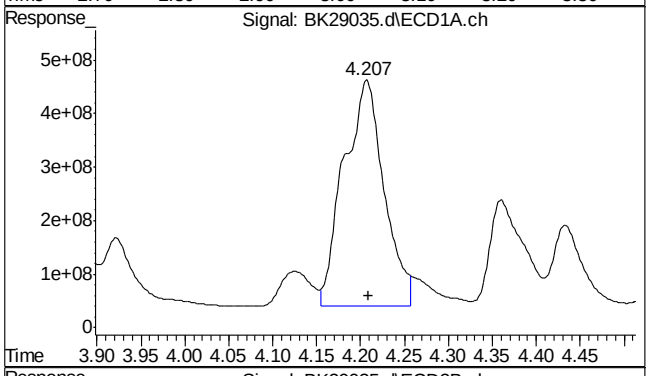
#3 AR1016-B

R.T.: 3.703 min
Delta R.T.: 0.000 min
Response: 6727719874
Conc: 826.81 ppb



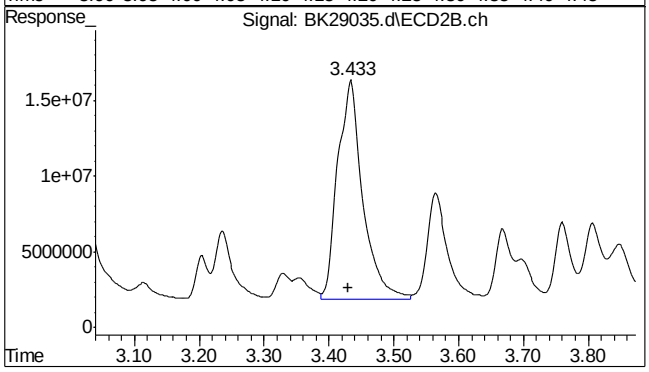
#3 AR1016-B

R.T.: 3.015 min
Delta R.T.: 0.002 min
Response: 195284783
Conc: 651.71 ppb m



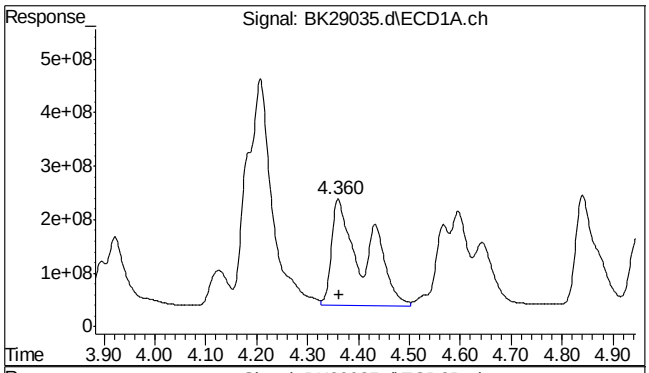
#4 AR1016-C

R.T.: 4.207 min
Delta R.T.: -0.002 min
Response: 13531063060
Conc: 779.57 ppb m



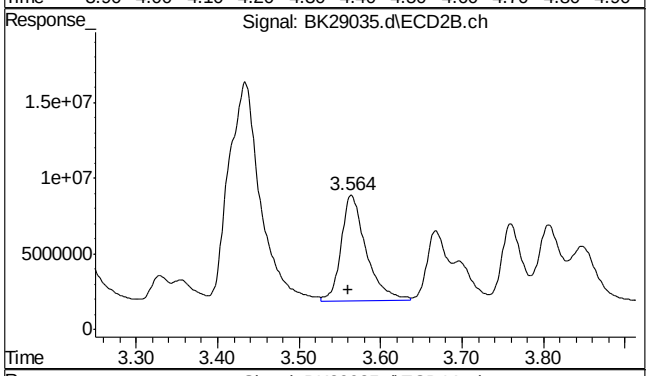
#4 AR1016-C

R.T.: 3.434 min
Delta R.T.: 0.004 min
Response: 388968873
Conc: 673.12 ppb



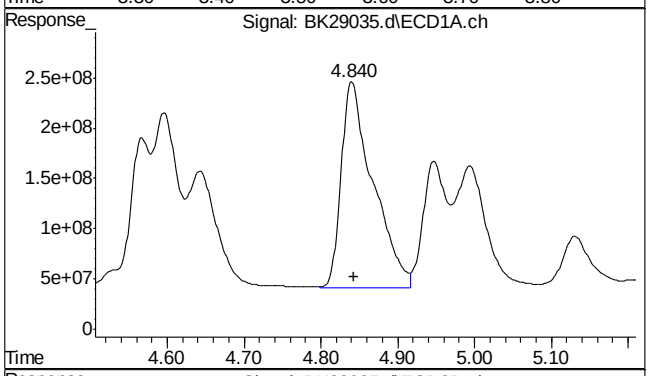
#5 AR1016-D

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 8961104586
Conc: 791.99 m



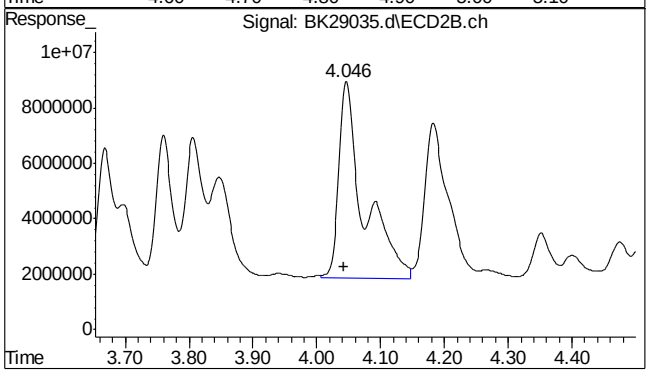
#5 AR1016-D

R.T.: 3.565 min
Delta R.T.: 0.004 min
Response: 149197342
Conc: 666.99



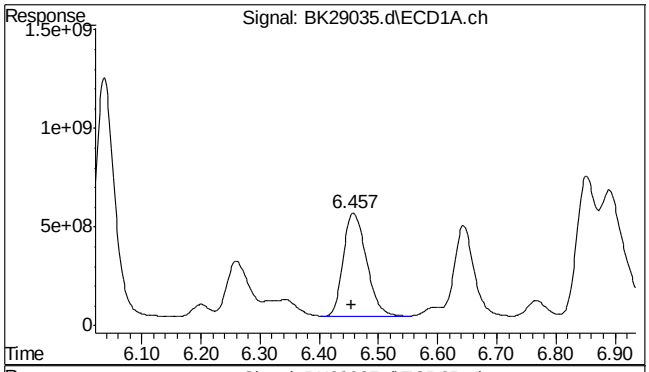
#6 AR1016-E

R.T.: 4.840 min
Delta R.T.: -0.003 min
Response: 5856114882
Conc: 796.31 m



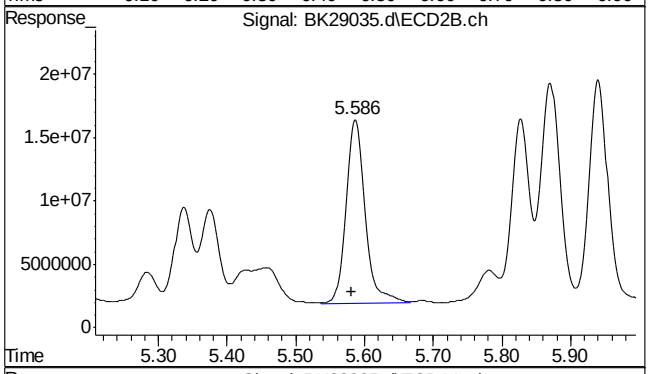
#6 AR1016-E

R.T.: 4.046 min
Delta R.T.: 0.003 min
Response: 191902873
Conc: 690.10 m



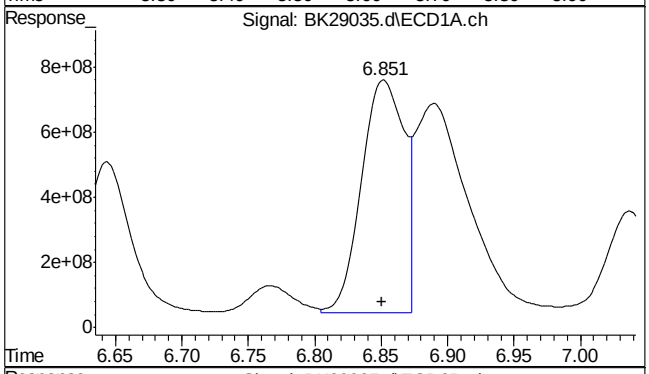
#7 AR1260-A

R.T.: 6.457 min
Delta R.T.: 0.002 min
Response: 14300286856
Conc: 1151.46 ppb m



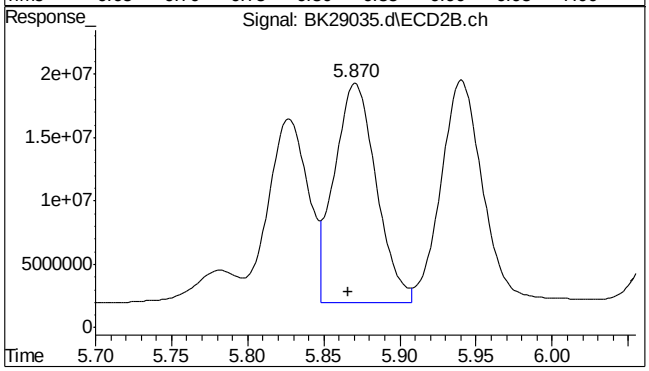
#7 AR1260-A

R.T.: 5.587 min
Delta R.T.: 0.005 min
Response: 284868048
Conc: 721.97 ppb



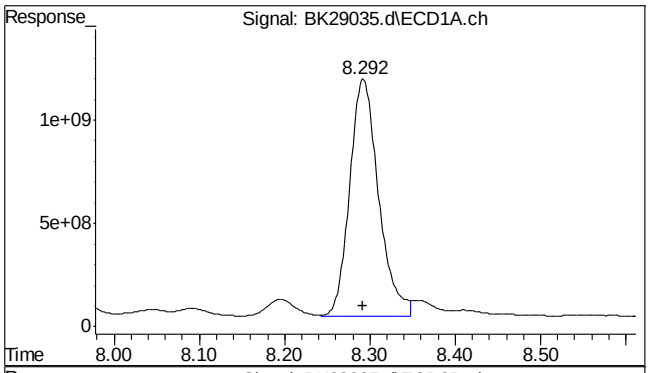
#8 AR1260-B

R.T.: 6.853 min
Delta R.T.: 0.002 min
Response: 15828876966
Conc: 623.71 ppb



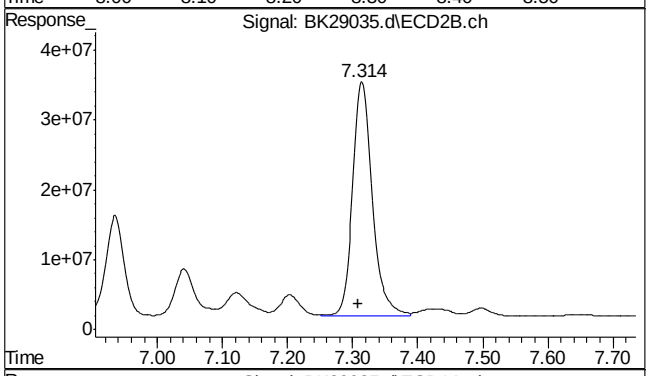
#8 AR1260-B

R.T.: 5.871 min
Delta R.T.: 0.005 min
Response: 334786715
Conc: 721.08 ppb



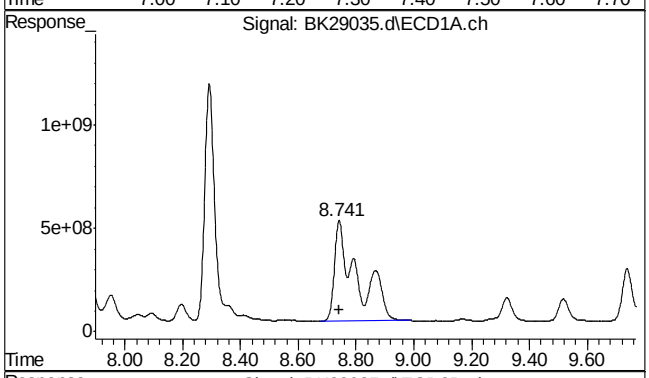
#10 AR1260-D

R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 27064822015
Conc: 861.47 ppb m



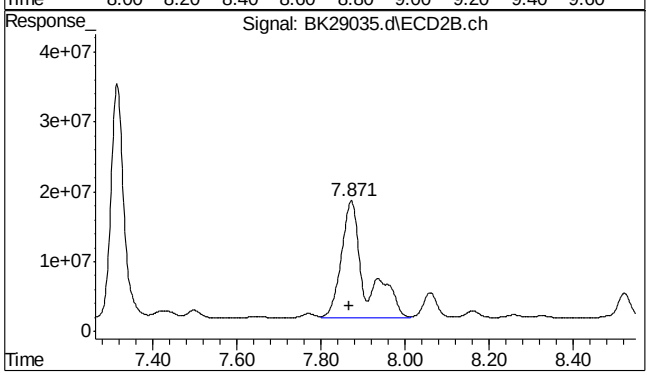
#10 AR1260-D

R.T.: 7.315 min
Delta R.T.: 0.006 min
Response: 699269417
Conc: 779.87 ppb



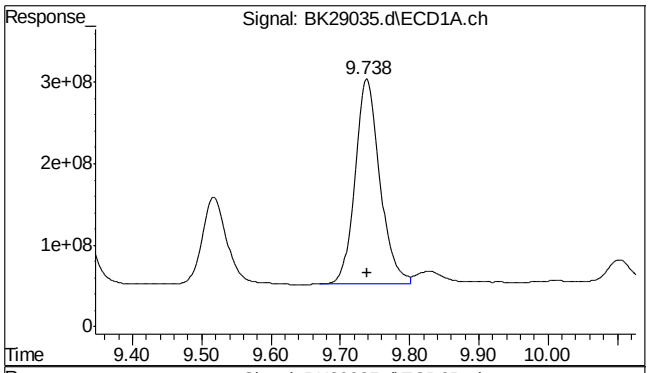
#11 AR1260-E

R.T.: 8.741 min
Delta R.T.: 0.000 min
Response: 26640292074
Conc: 897.77 ppb m



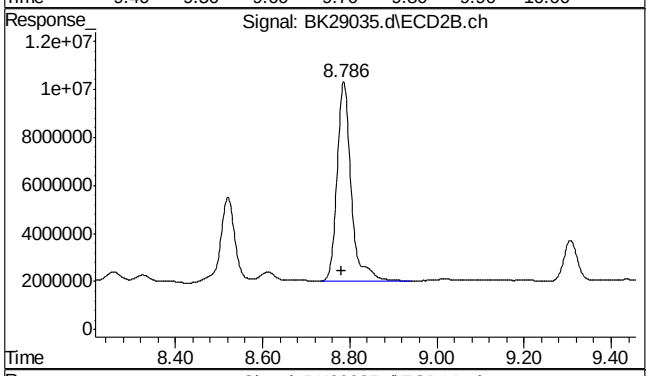
#11 AR1260-E

R.T.: 7.871 min
Delta R.T.: 0.005 min
Response: 670381196
Conc: 774.41 ppb m



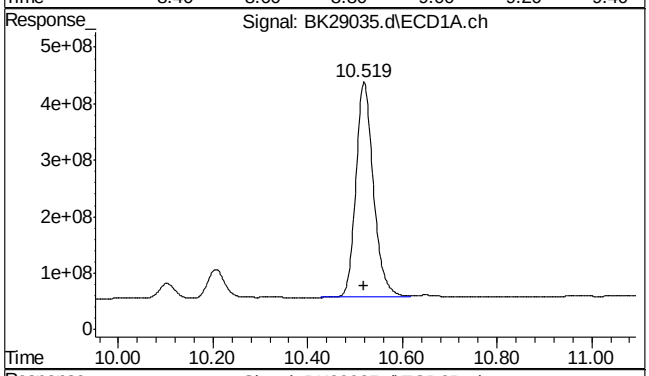
#12 AR1260-F

R.T.: 9.738 min
Delta R.T.: -0.001 min
Response: 6281333781
Conc: 861.19 m



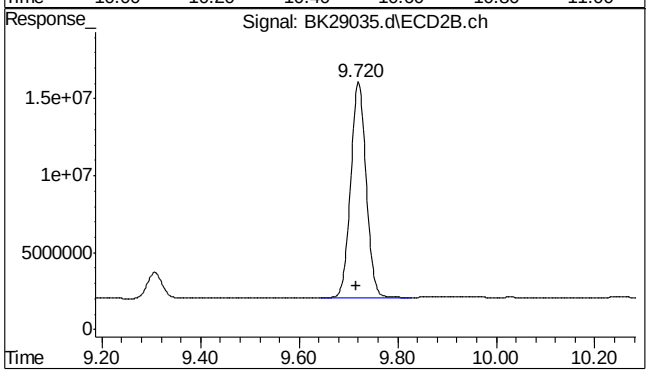
#12 AR1260-F

R.T.: 8.786 min
Delta R.T.: 0.005 min
Response: 187069854
Conc: 757.30 m



#13 DCB

R.T.: 10.519 min
Delta R.T.: -0.001 min
Response: 9823460391
Conc: 39.59 ppb m



#13 DCB

R.T.: 9.720 min
Delta R.T.: 0.004 min
Response: 307607822
Conc: 35.89 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28888.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 4:00 pm
Operator : nickk
Sample : ic979-1000,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:00:40 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 16:07:10 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.004	2.304	16912.1E6	640.6E6	91.119m	97.071m
	Spiked Amount 40.000			Recovery	= 227.80%	242.68%	
13) s	DCB	10.520	9.715	18625.9E6	649.3E6	78.119m	81.518m
	Spiked Amount 40.000			Recovery	= 195.30%	203.79%	
	Target Compounds						
2)	AR1016-A	3.340	2.678	4089.9E6	126.1E6	778.136m	959.351m
3)	AR1016-B	3.702	3.013	8469.1E6	291.1E6	1167.634m	1124.050m
4)	AR1016-C	4.210	3.430	17467.2E6	579.4E6	968.596	1111.458m
5)	AR1016-D	4.361	3.561	11530.7E6	221.3E6	1135.974m	1084.271m
6)	AR1016-E	4.842	4.043	7457.8E6	277.0E6	1126.367m	1139.296m
7)	AR1260-A	6.454	5.581	12402.4E6	389.5E6	1077.423	1115.768m
8)	AR1260-B	6.851	5.865	25588.1E6	461.9E6	1079.003m	1060.494m
9)	AR1260-C	7.436f	6.499	45731.0E6	1200.7E6	1093.461m	1093.934m
10)	AR1260-D	8.293	7.309	32645.1E6	932.4E6	1094.579m	1094.966m
11)	AR1260-E	8.741	7.867	30068.6E6	881.0E6	1057.048m	1087.688m
12)	AR1260-F	9.739	8.782	7529.2E6	250.7E6	1051.140m	1074.068

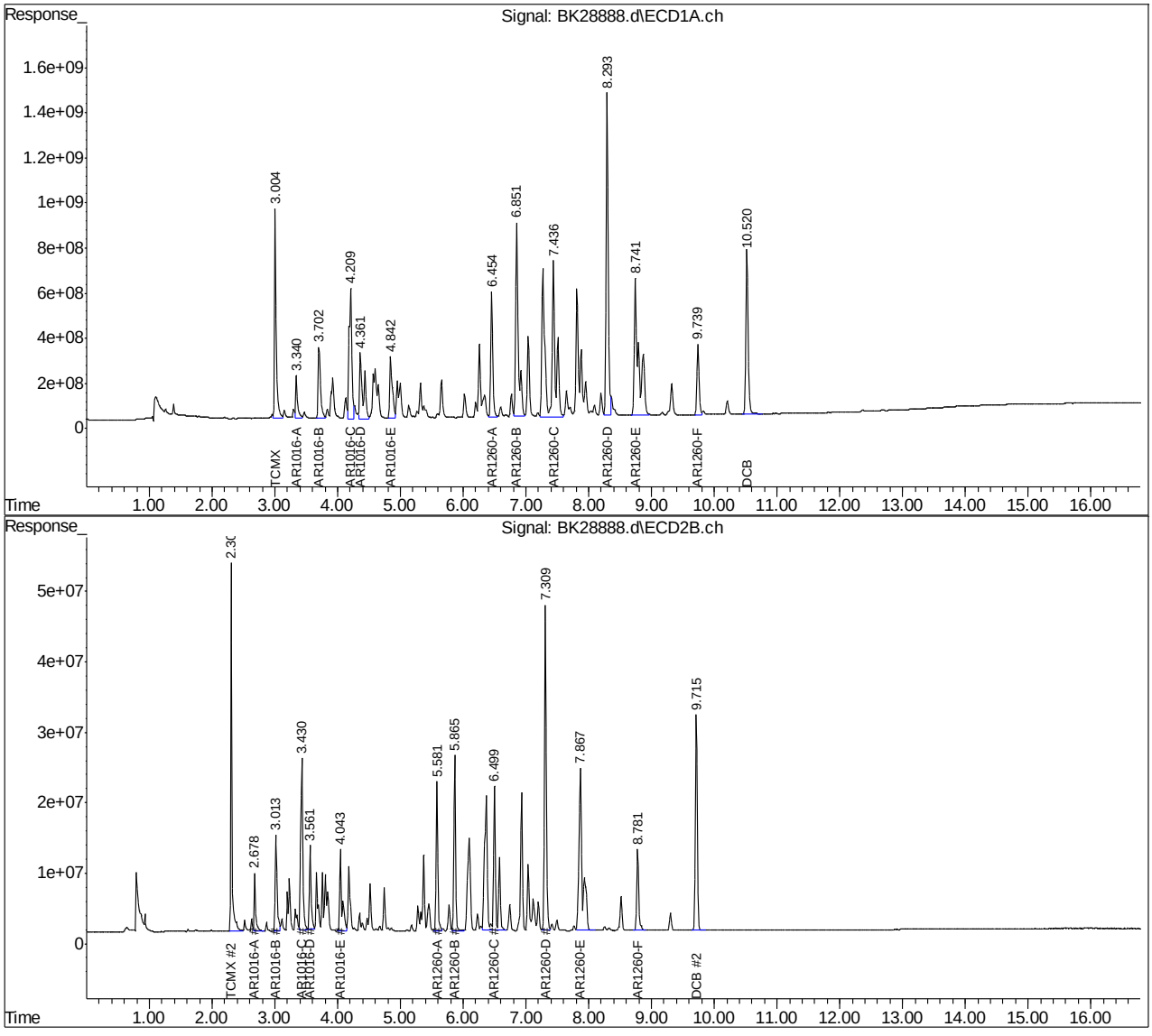
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

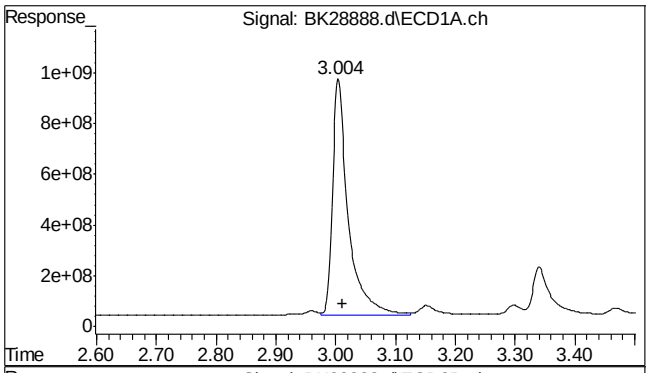
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28888.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 4:00 pm
Operator : nickk
Sample : ic979-1000,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:00:40 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 16:07:10 2013
Response via : Initial Calibration
Integrator: ChemStation

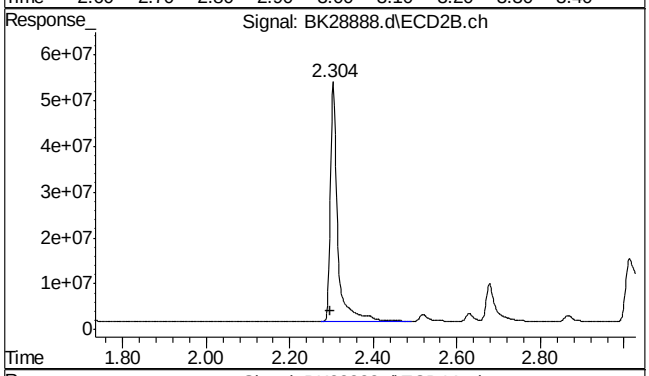
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





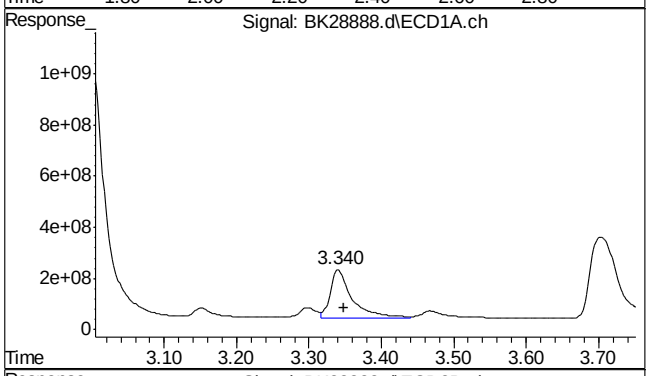
#1 TCMX

R.T.: 3.004 min
Delta R.T.: -0.007 min
Response: 16912118597
Conc: 91.12 ppb m



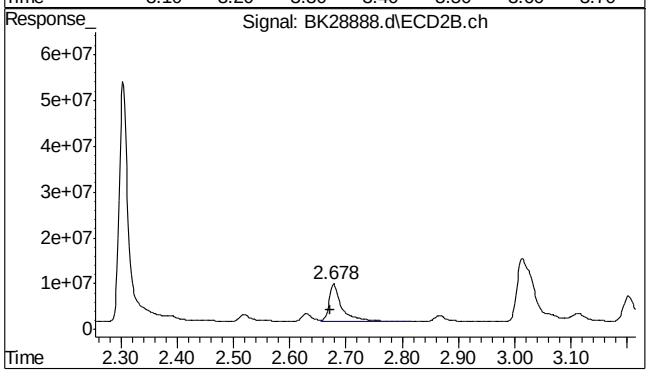
#1 TCMX

R.T.: 2.304 min
Delta R.T.: 0.006 min
Response: 640583829
Conc: 97.07 ppb m



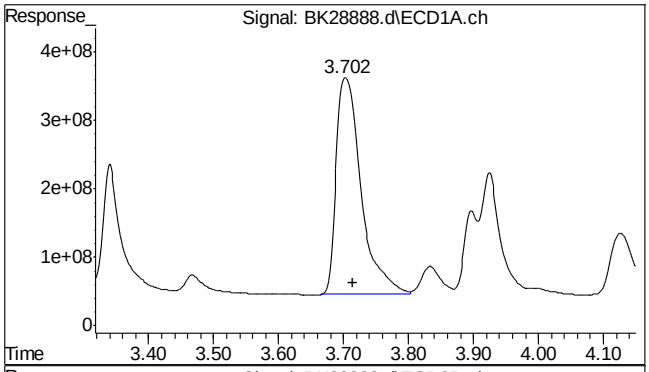
#2 AR1016-A

R.T.: 3.340 min
Delta R.T.: -0.008 min
Response: 4089855237
Conc: 778.14 ppb m



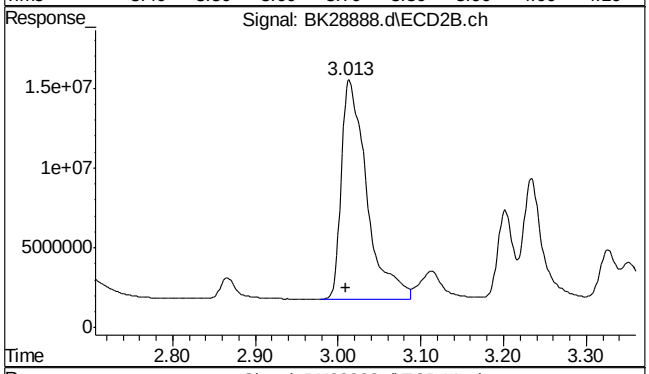
#2 AR1016-A

R.T.: 2.678 min
Delta R.T.: 0.005 min
Response: 126141190
Conc: 959.35 ppb m



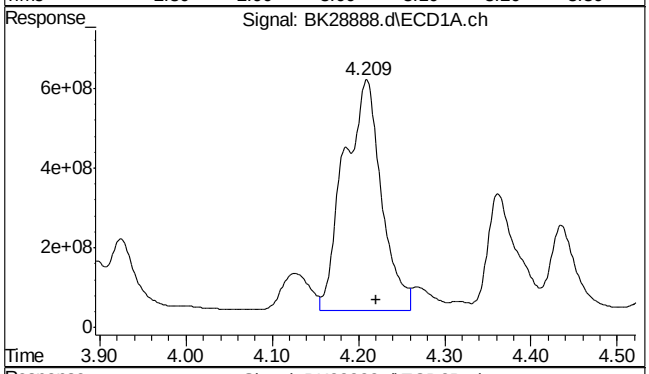
#3 AR1016-B

R.T.: 3.702 min
Delta R.T.: -0.012 min
Response: 8469098376
Conc: 1167.63 ppb m



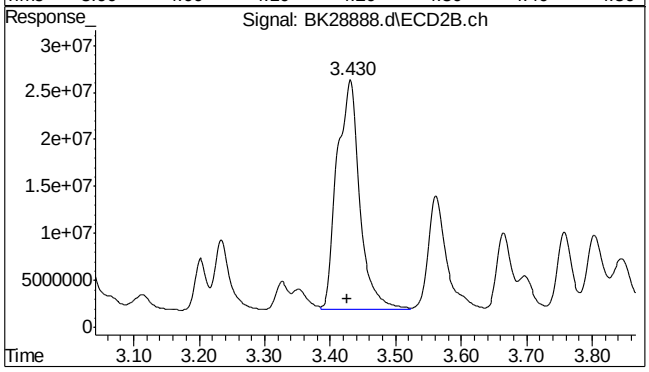
#3 AR1016-B

R.T.: 3.013 min
Delta R.T.: 0.004 min
Response: 291115032
Conc: 1124.05 ppb m



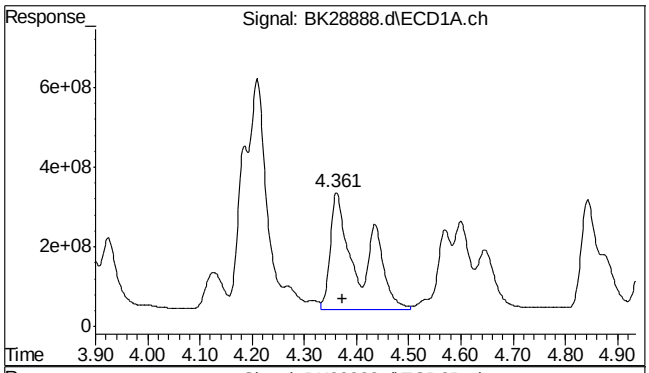
#4 AR1016-C

R.T.: 4.210 min
Delta R.T.: -0.011 min
Response: 17467235985
Conc: 968.60 ppb



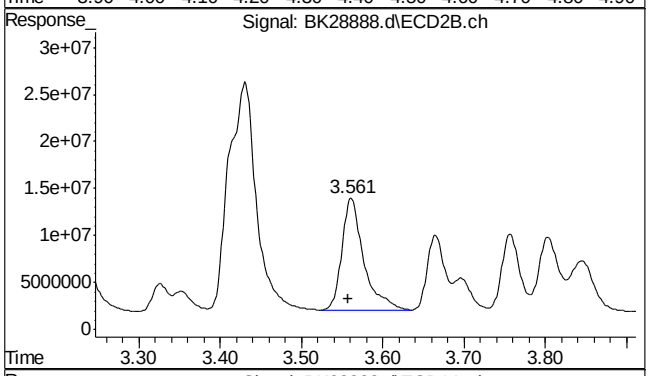
#4 AR1016-C

R.T.: 3.430 min
Delta R.T.: 0.004 min
Response: 579419604
Conc: 1111.46 ppb m



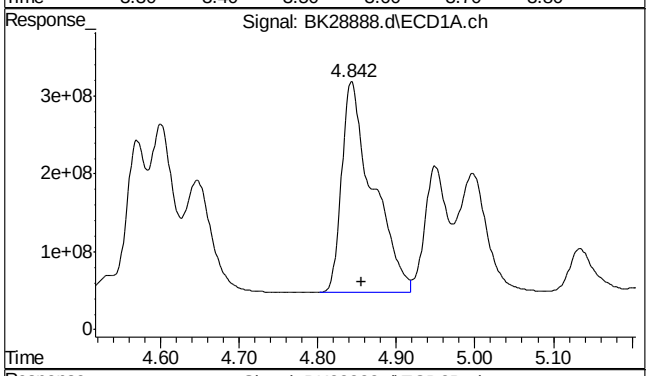
#5 AR1016-D

R.T.: 4.361 min
Delta R.T.: -0.012 min
Response: 11530729578
Conc: 1135.97 m



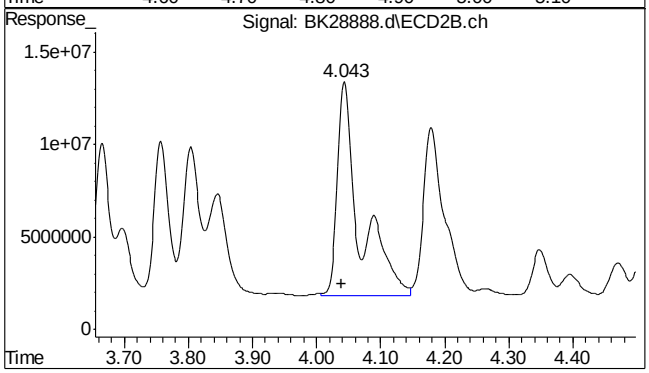
#5 AR1016-D

R.T.: 3.561 min
Delta R.T.: 0.003 min
Response: 221295092
Conc: 1084.27 m



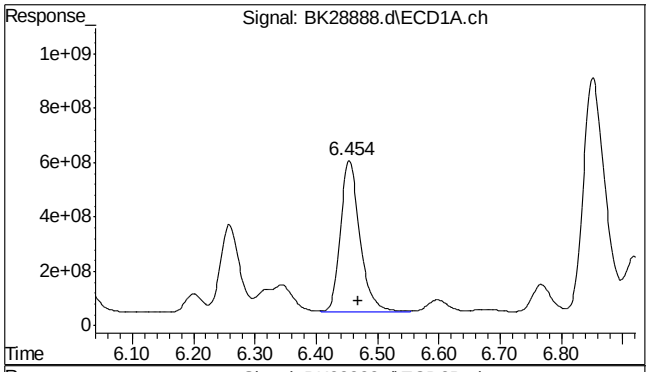
#6 AR1016-E

R.T.: 4.842 min
Delta R.T.: -0.014 min
Response: 7457837666
Conc: 1126.37 m



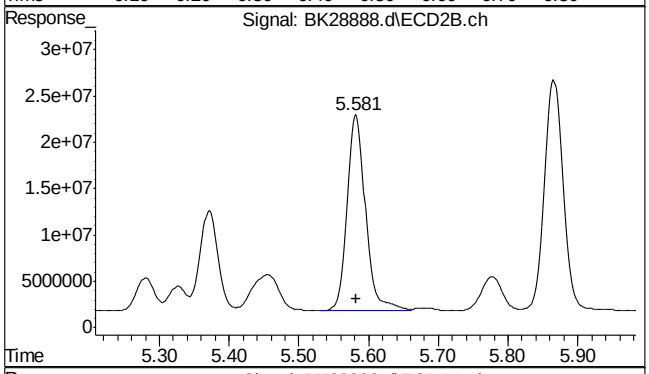
#6 AR1016-E

R.T.: 4.043 min
Delta R.T.: 0.003 min
Response: 276974578
Conc: 1139.30 m



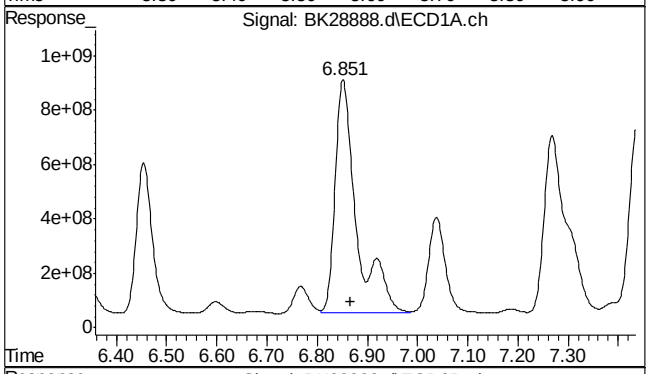
#7 AR1260-A

R.T.: 6.454 min
Delta R.T.: -0.014 min
Response: 12402387462
Conc: 1077.42 ppb



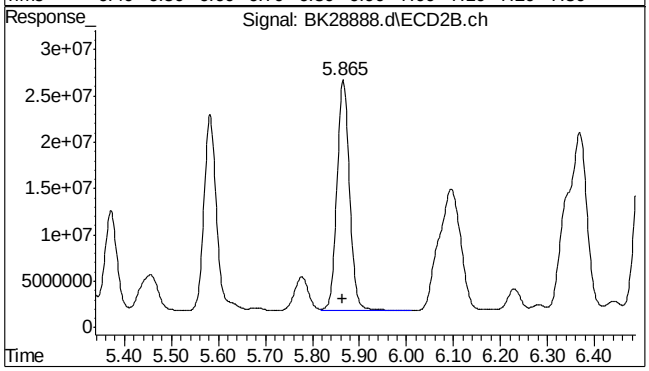
#7 AR1260-A

R.T.: 5.581 min
Delta R.T.: 0.000 min
Response: 389482035
Conc: 1115.77 ppb m



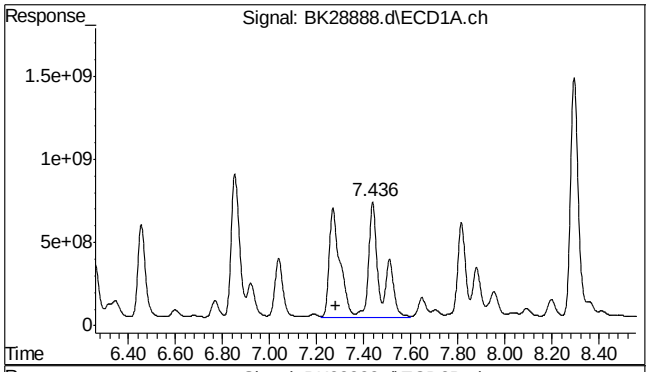
#8 AR1260-B

R.T.: 6.851 min
Delta R.T.: -0.014 min
Response: 25588127448
Conc: 1079.00 ppb m



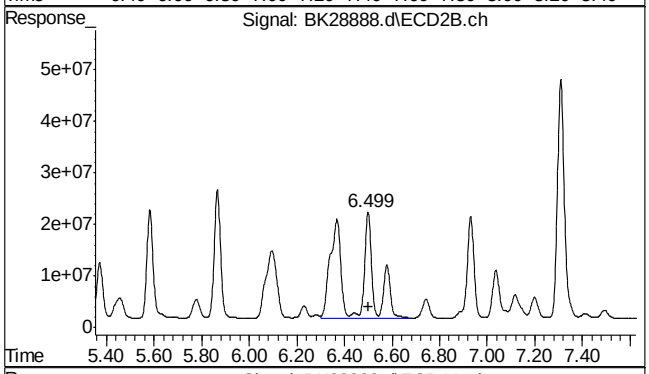
#8 AR1260-B

R.T.: 5.865 min
Delta R.T.: 0.000 min
Response: 461947343
Conc: 1060.49 ppb m



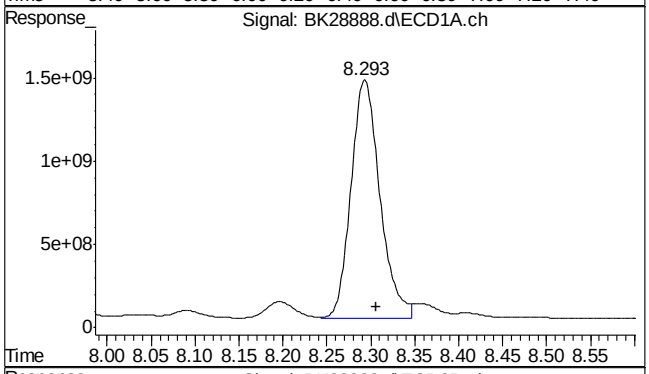
#9 AR1260-C

R.T.: 7.436 min
Delta R.T.: 0.154 min
Response: 45730969944
Conc: 1093.46 ppb m



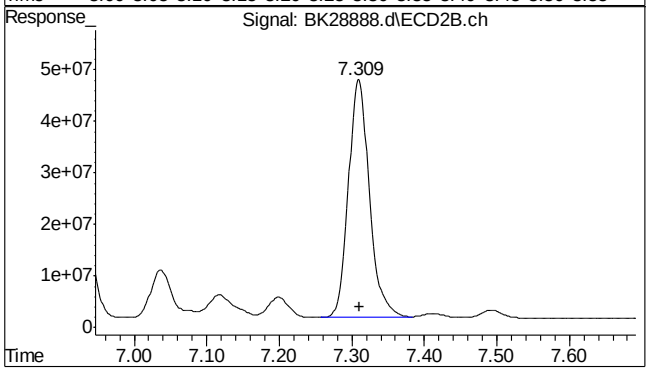
#9 AR1260-C

R.T.: 6.499 min
Delta R.T.: 0.000 min
Response: 1200687015
Conc: 1093.93 ppb m



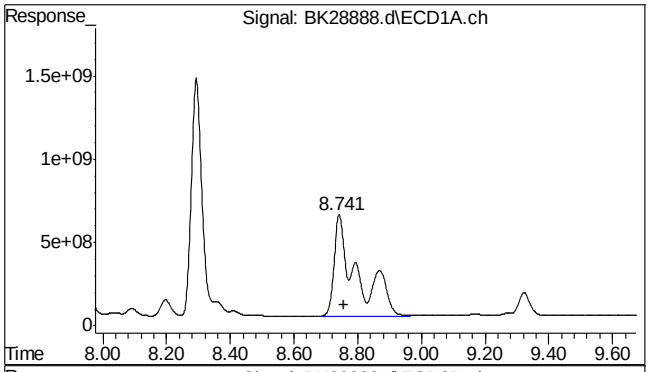
#10 AR1260-D

R.T.: 8.293 min
Delta R.T.: -0.014 min
Response: 32645119969
Conc: 1094.58 ppb m



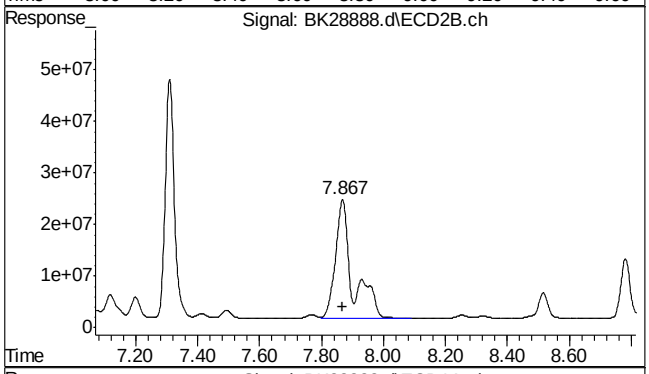
#10 AR1260-D

R.T.: 7.309 min
Delta R.T.: -0.002 min
Response: 932400385
Conc: 1094.97 ppb m



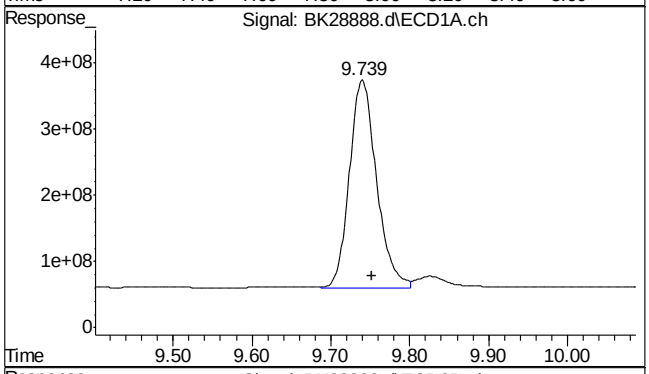
#11 AR1260-E

R.T.: 8.741 min
Delta R.T.: -0.014 min
Response: 30068595455
Conc: 1057.05 ppb m



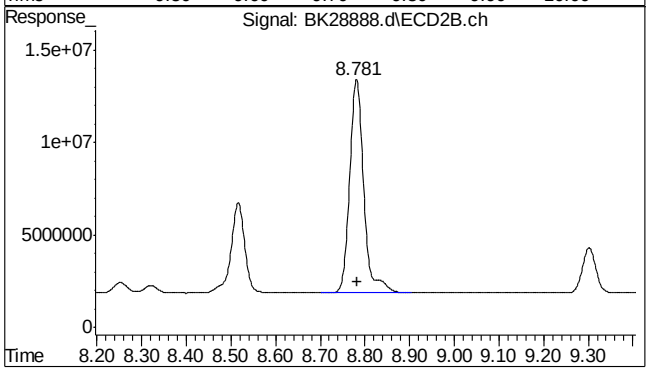
#11 AR1260-E

R.T.: 7.867 min
Delta R.T.: -0.002 min
Response: 881019765
Conc: 1087.69 ppb m



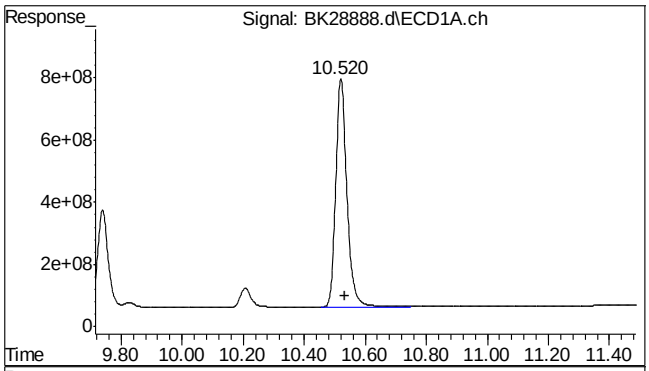
#12 AR1260-F

R.T.: 9.739 min
Delta R.T.: -0.012 min
Response: 7529195349
Conc: 1051.14 m



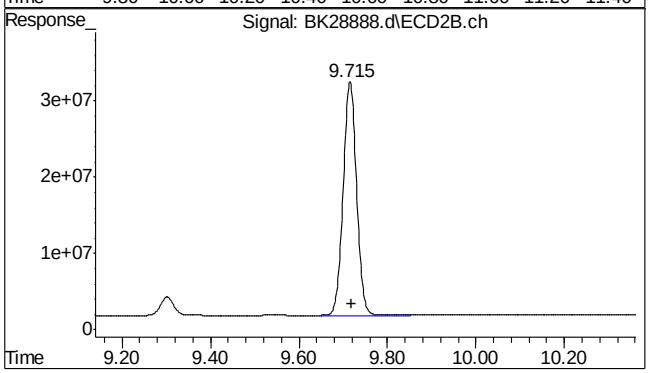
#12 AR1260-F

R.T.: 8.782 min
Delta R.T.: -0.001 min
Response: 250724270
Conc: 1074.07



#13 DCB

R.T.: 10.520 min
Delta R.T.: -0.013 min
Response: 18625904487
Conc: 78.12 ppb m



#13 DCB

R.T.: 9.715 min
Delta R.T.: -0.004 min
Response: 649258236
Conc: 81.52 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28889.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 4:19 pm
Operator : nickk
Sample : ic979-750,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:04:30 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:00:45 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.002	2.301	10411.2E6	386.0E6	49.970m	49.033m
	Spiked Amount 40.000			Recovery	= 124.93%	122.58%	
13) s	DCB	10.522	9.715	11581.7E6	397.7E6	46.664m	46.432m
	Spiked Amount 40.000			Recovery	= 116.66%	116.08%	
	Target Compounds						
2)	AR1016-A	3.338	2.676	2830.5E6	88488045	666.507m	668.636m
3)	AR1016-B	3.705	3.013	5648.0E6	195.2E6	694.718m	650.791
4)	AR1016-C	4.208	3.430	11548.7E6	382.9E6	660.622m	662.373m
5)	AR1016-D	4.362	3.560	7841.1E6	148.9E6	691.634m	663.630m
6)	AR1016-E	4.844	4.043	4905.7E6	181.9E6	667.201m	653.978m
7)	AR1260-A	6.456	5.582	8180.2E6	256.7E6	658.676	650.410m
8)	AR1260-B	6.852	5.866	16913.5E6	306.2E6	665.876m	659.173m
9)	AR1260-C	7.437	6.499	29953.0E6	785.9E6	674.922m	662.731m
10)	AR1260-D	8.294	7.310	21937.3E6	617.7E6	698.264	689.634
11)	AR1260-E	8.743	7.868	20172.1E6	584.1E6	680.570m	675.029m
12)	AR1260-F	9.741	8.782	5009.7E6	166.6E6	686.851	673.517

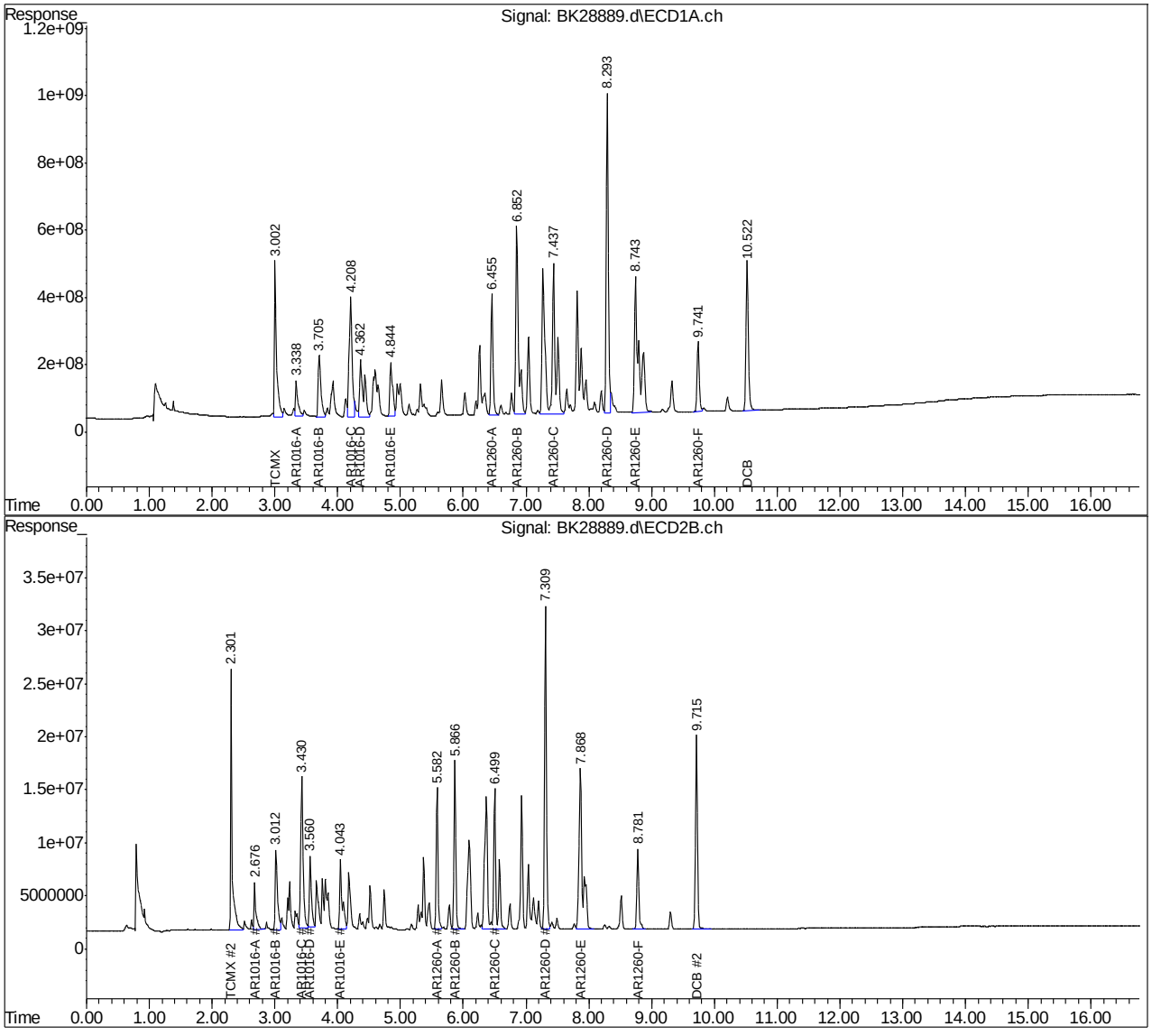
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

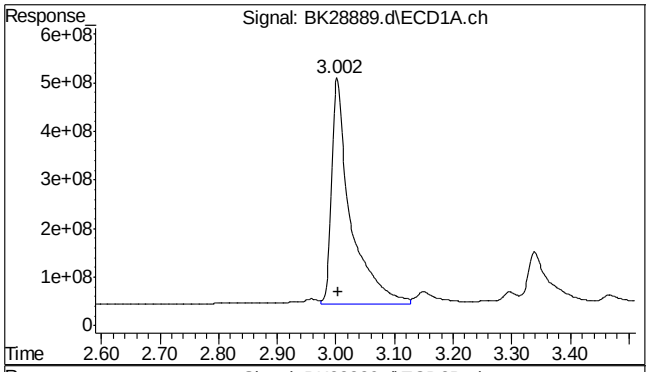
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28889.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 4:19 pm
Operator : nickk
Sample : ic979-750,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:04:30 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:00:45 2013
Response via : Initial Calibration
Integrator: ChemStation

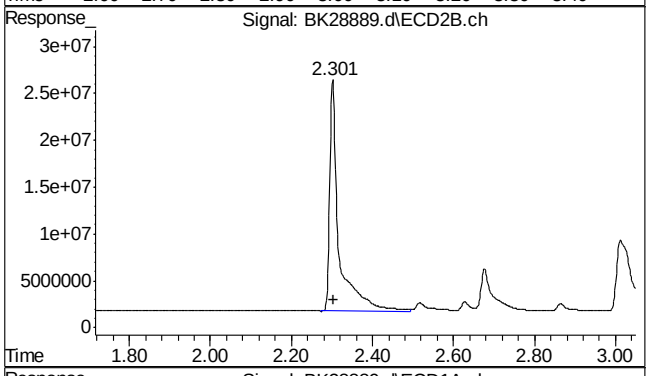
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





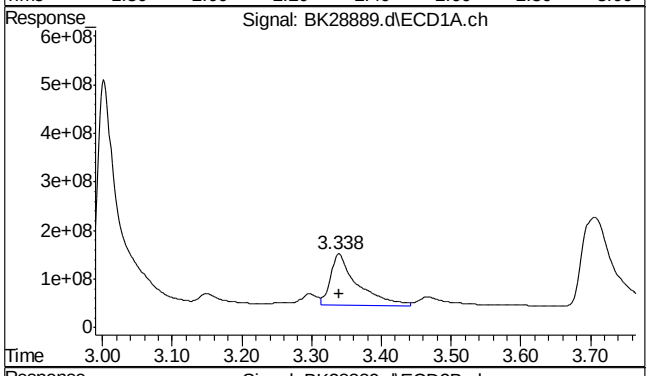
#1 TCMX

R.T.: 3.002 min
Delta R.T.: -0.002 min
Response: 10411226291
Conc: 49.97 ppb m



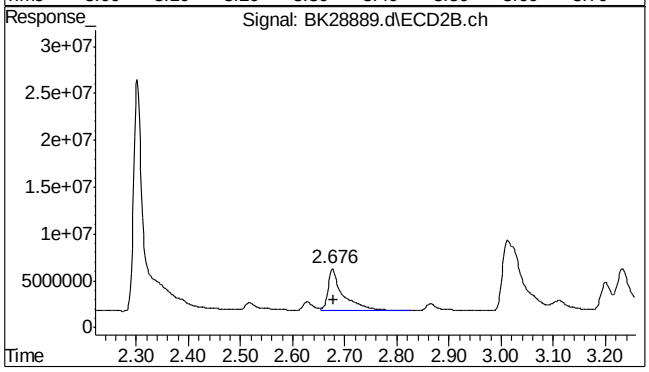
#1 TCMX

R.T.: 2.301 min
Delta R.T.: -0.002 min
Response: 386008433
Conc: 49.03 ppb m



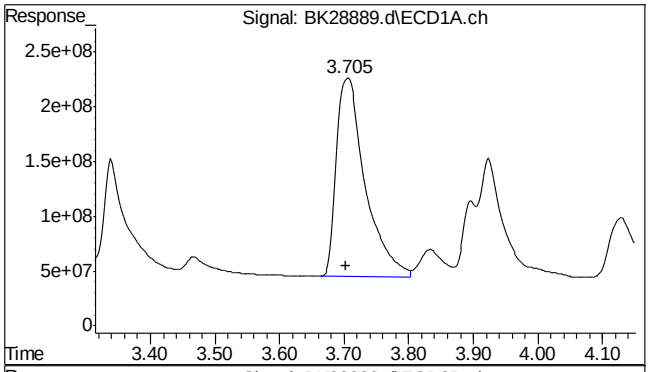
#2 AR1016-A

R.T.: 3.338 min
Delta R.T.: -0.001 min
Response: 2830530259
Conc: 666.51 ppb m



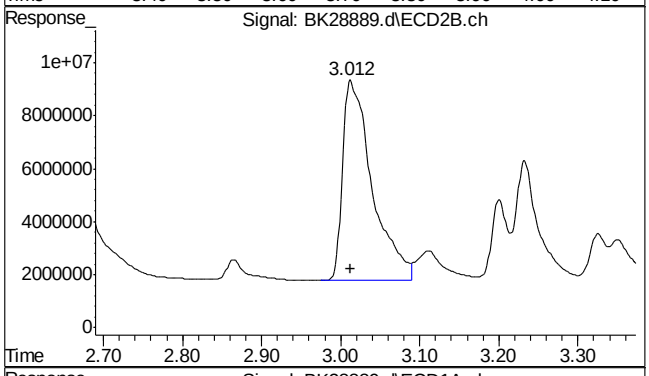
#2 AR1016-A

R.T.: 2.676 min
Delta R.T.: -0.002 min
Response: 88488045
Conc: 668.64 ppb m



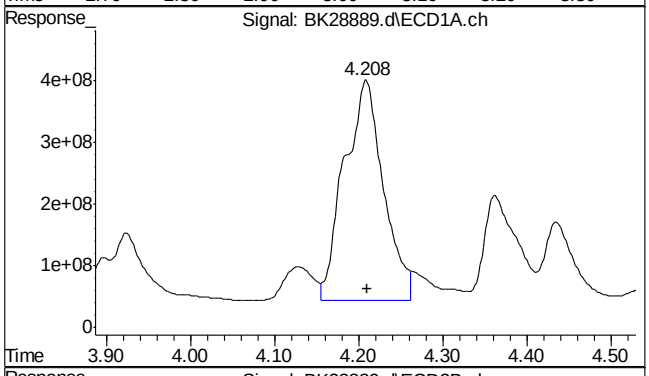
#3 AR1016-B

R.T.: 3.705 min
Delta R.T.: 0.003 min
Response: 5648029612
Conc: 694.72 ppb m



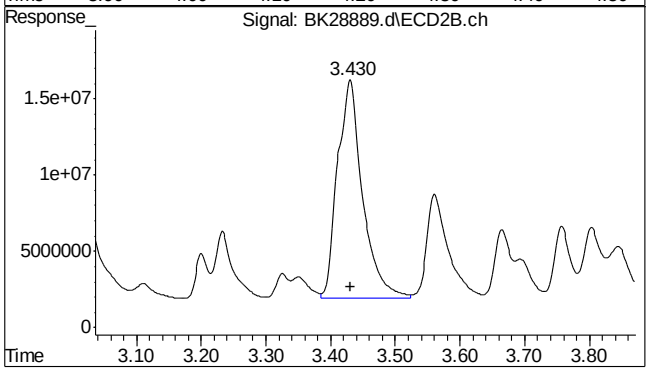
#3 AR1016-B

R.T.: 3.013 min
Delta R.T.: 0.000 min
Response: 195176653
Conc: 650.79 ppb



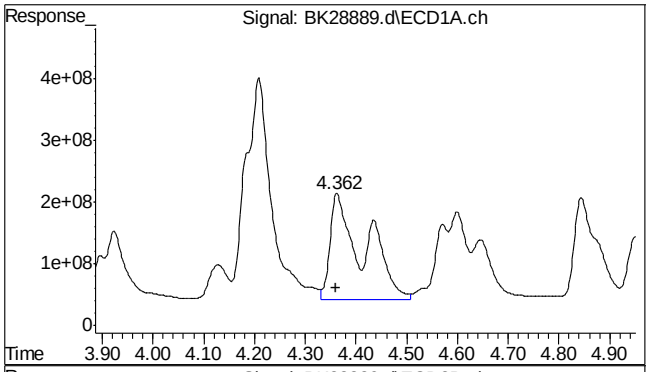
#4 AR1016-C

R.T.: 4.208 min
Delta R.T.: -0.002 min
Response: 11548679195
Conc: 660.62 ppb m



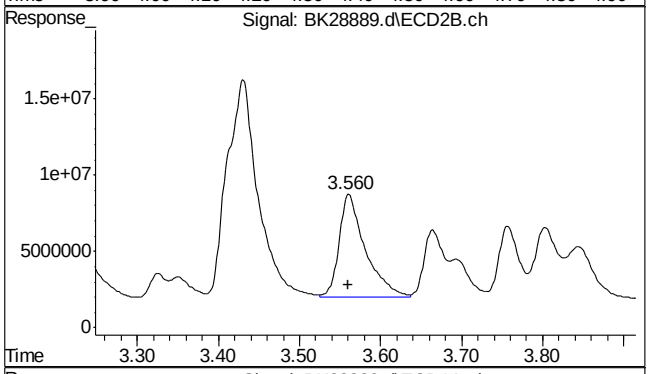
#4 AR1016-C

R.T.: 3.430 min
Delta R.T.: 0.000 min
Response: 382867409
Conc: 662.37 ppb m



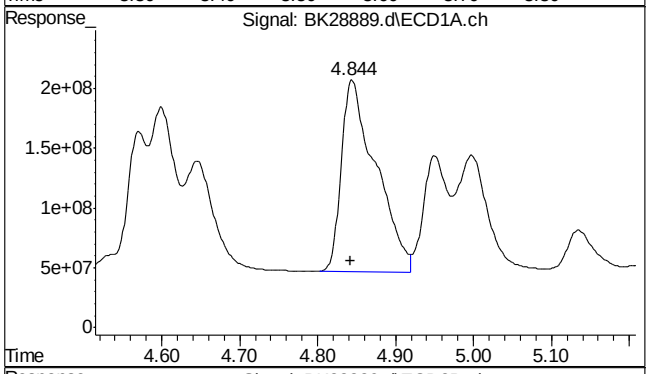
#5 AR1016-D

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 7841057801
Conc: 691.63 m



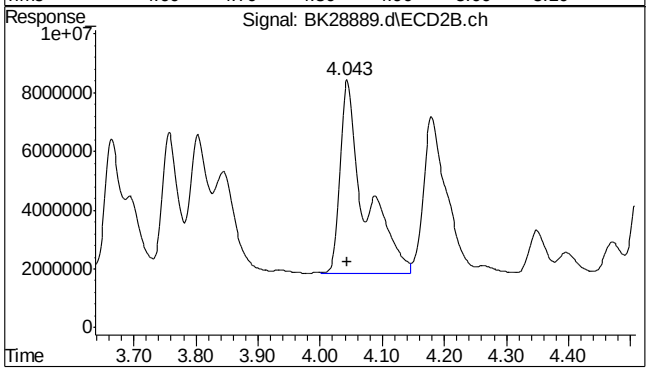
#5 AR1016-D

R.T.: 3.560 min
Delta R.T.: 0.000 min
Response: 148902848
Conc: 663.63 m



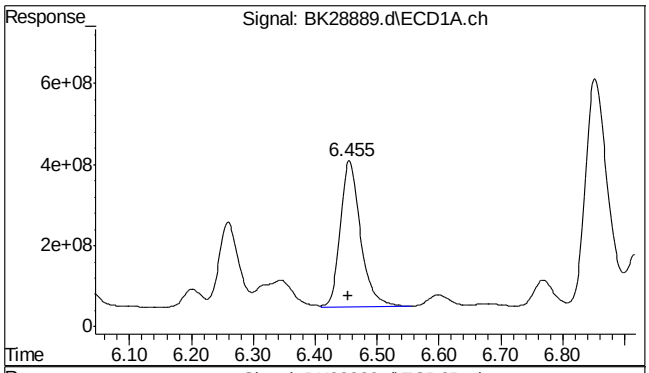
#6 AR1016-E

R.T.: 4.844 min
Delta R.T.: 0.001 min
Response: 4905680579
Conc: 667.20 m



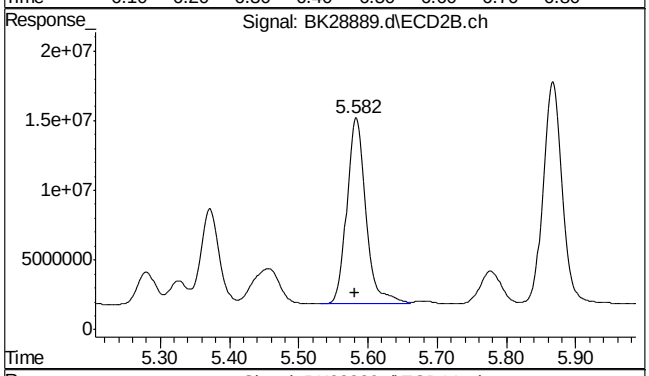
#6 AR1016-E

R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 181893841
Conc: 653.98 m



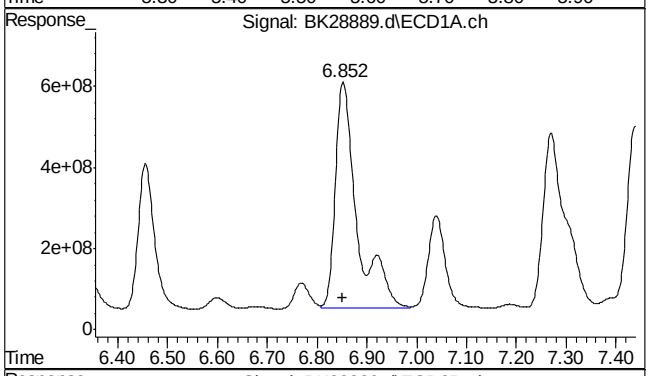
#7 AR1260-A

R.T.: 6.456 min
Delta R.T.: 0.001 min
Response: 8180246801
Conc: 658.68 ppb



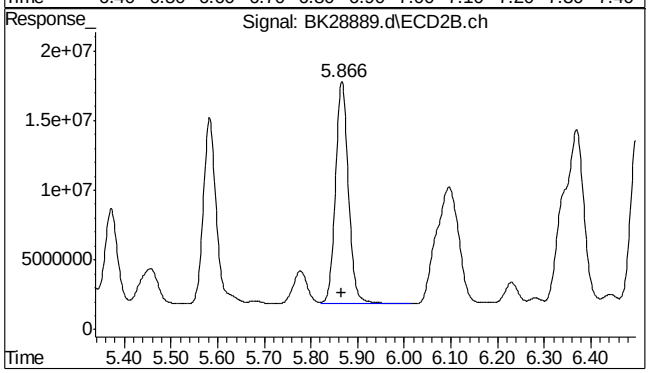
#7 AR1260-A

R.T.: 5.582 min
Delta R.T.: 0.000 min
Response: 256668884
Conc: 650.41 ppb m



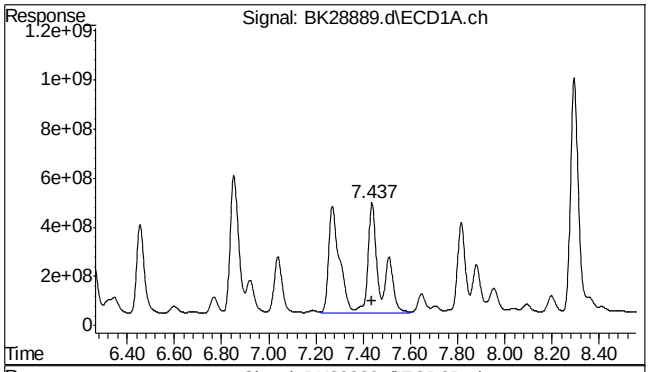
#8 AR1260-B

R.T.: 6.852 min
Delta R.T.: 0.000 min
Response: 16913492084
Conc: 665.88 ppb m



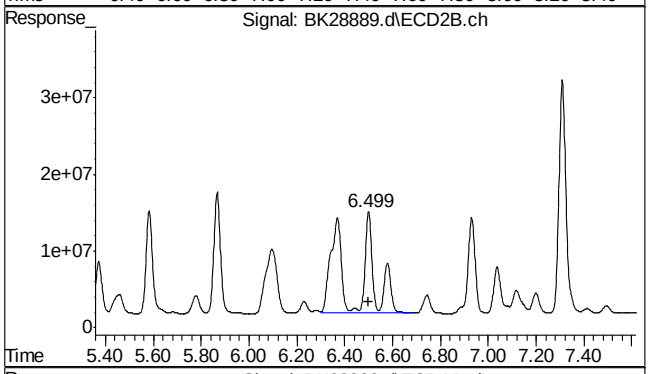
#8 AR1260-B

R.T.: 5.866 min
Delta R.T.: 0.001 min
Response: 306233826
Conc: 659.17 ppb m



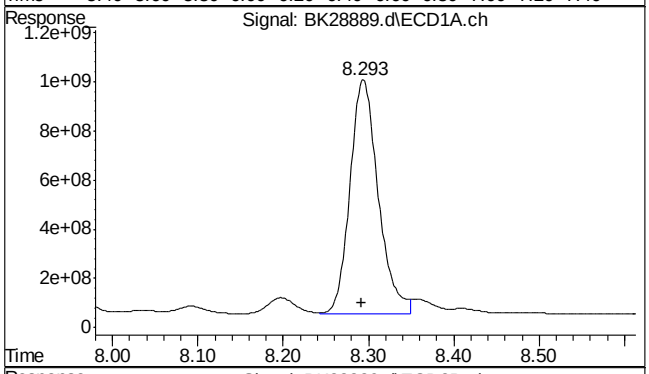
#9 AR1260-C

R.T.: 7.437 min
Delta R.T.: 0.000 min
Response: 29953021577
Conc: 674.92 ppb m



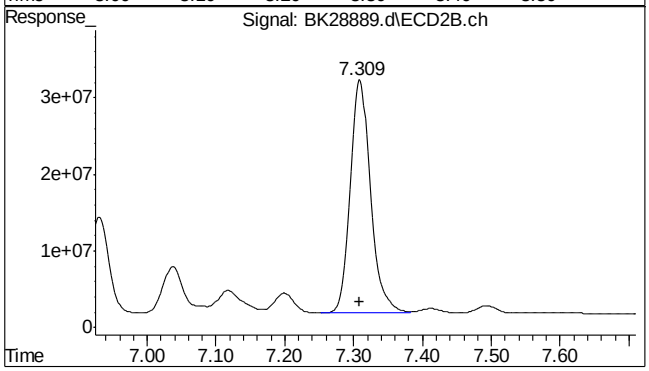
#9 AR1260-C

R.T.: 6.499 min
Delta R.T.: 0.000 min
Response: 785939073
Conc: 662.73 ppb m



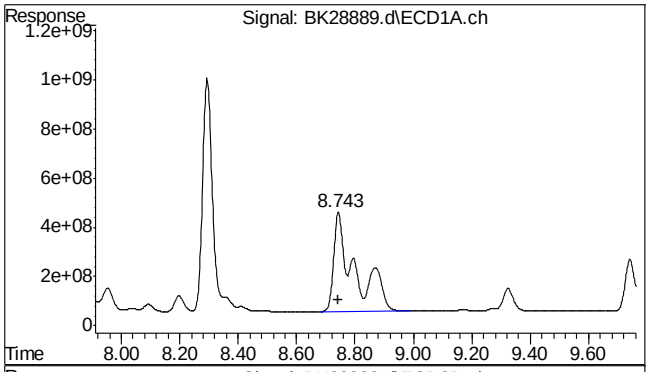
#10 AR1260-D

R.T.: 8.294 min
Delta R.T.: 0.001 min
Response: 21937343263
Conc: 698.26 ppb



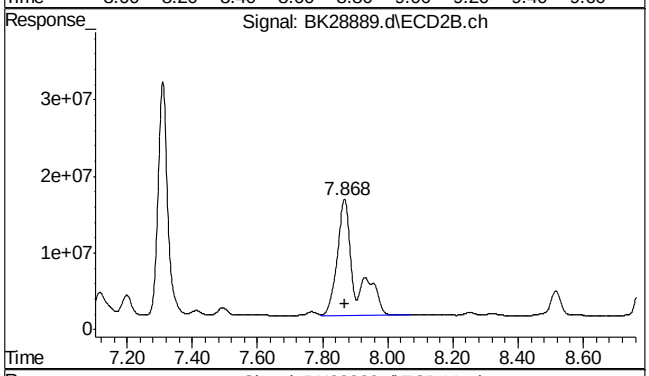
#10 AR1260-D

R.T.: 7.310 min
Delta R.T.: 0.000 min
Response: 617681512
Conc: 689.63 ppb



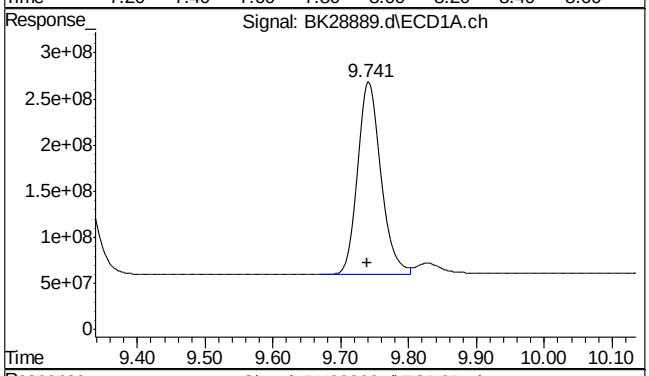
#11 AR1260-E

R.T.: 8.743 min
Delta R.T.: 0.002 min
Response: 20172143366
Conc: 680.57 ppb m



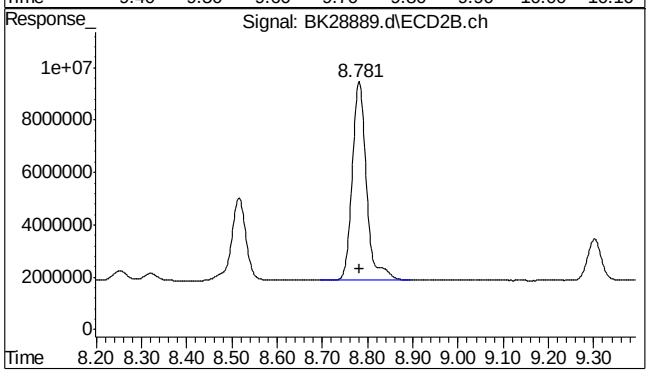
#11 AR1260-E

R.T.: 7.868 min
Delta R.T.: 0.000 min
Response: 584059276
Conc: 675.03 ppb m



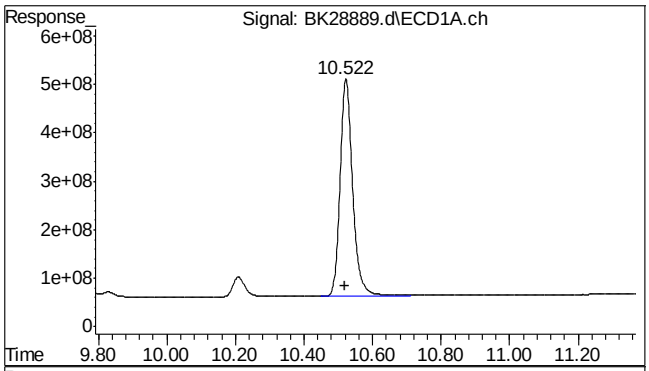
#12 AR1260-F

R.T.: 9.741 min
Delta R.T.: 0.002 min
Response: 5009736515
Conc: 686.85



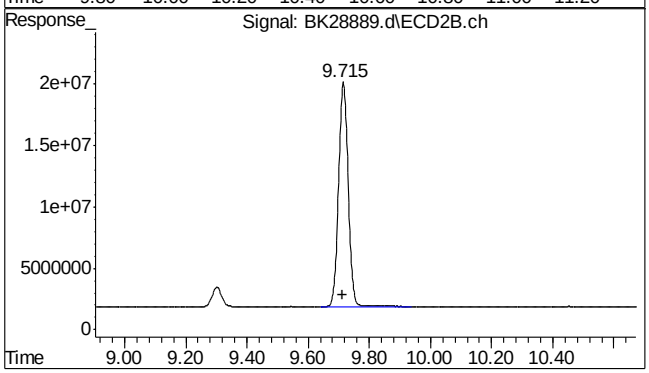
#12 AR1260-F

R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 166589823
Conc: 673.52



#13 DCB

R.T.: 10.522 min
Delta R.T.: 0.002 min
Response: 11581670130
Conc: 46.66 ppb m



#13 DCB

R.T.: 9.715 min
Delta R.T.: 0.000 min
Response: 397705831
Conc: 46.43 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28890.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 4:38 pm
Operator : nickk
Sample : icc979-500,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:04:59 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 16:44:13 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.004	2.303	10267.7E6	388.7E6	54.551m	56.281m
	Spiked Amount 40.000			Recovery	= 136.38%	140.70%	
13) s	DCB	10.520	9.715	11505.7E6	401.7E6	48.110m	49.995m
	Spiked Amount 40.000			Recovery	= 120.28%	124.99%	
	Target Compounds						
2)	AR1016-A	3.340	2.678	2036.4E6	67674324	388.588m	501.819m#
3)	AR1016-B	3.703	3.013	4257.0E6	149.5E6	585.337m	559.411m
4)	AR1016-C	4.209	3.430	8856.9E6	292.5E6	502.767m	555.415m
5)	AR1016-D	4.362	3.561	5978.8E6	111.7E6	572.102m	540.617m
6)	AR1016-E	4.843	4.043	3763.4E6	139.8E6	555.948m	559.536m
7)	AR1260-A	6.454	5.582	6339.0E6	199.4E6	549.677	558.376m
8)	AR1260-B	6.851	5.866	13055.7E6	231.6E6	547.830m	537.566
9)	AR1260-C	7.436	6.499	23052.1E6	600.5E6	551.548m	541.141m
10)	AR1260-D	8.292	7.309	16192.9E6	453.3E6	534.658m	534.389m
11)	AR1260-E	8.741	7.867	15087.8E6	436.6E6	529.207m	536.578m
12)	AR1260-F	9.739	8.781	3682.5E6	123.1E6	511.379m	525.979

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

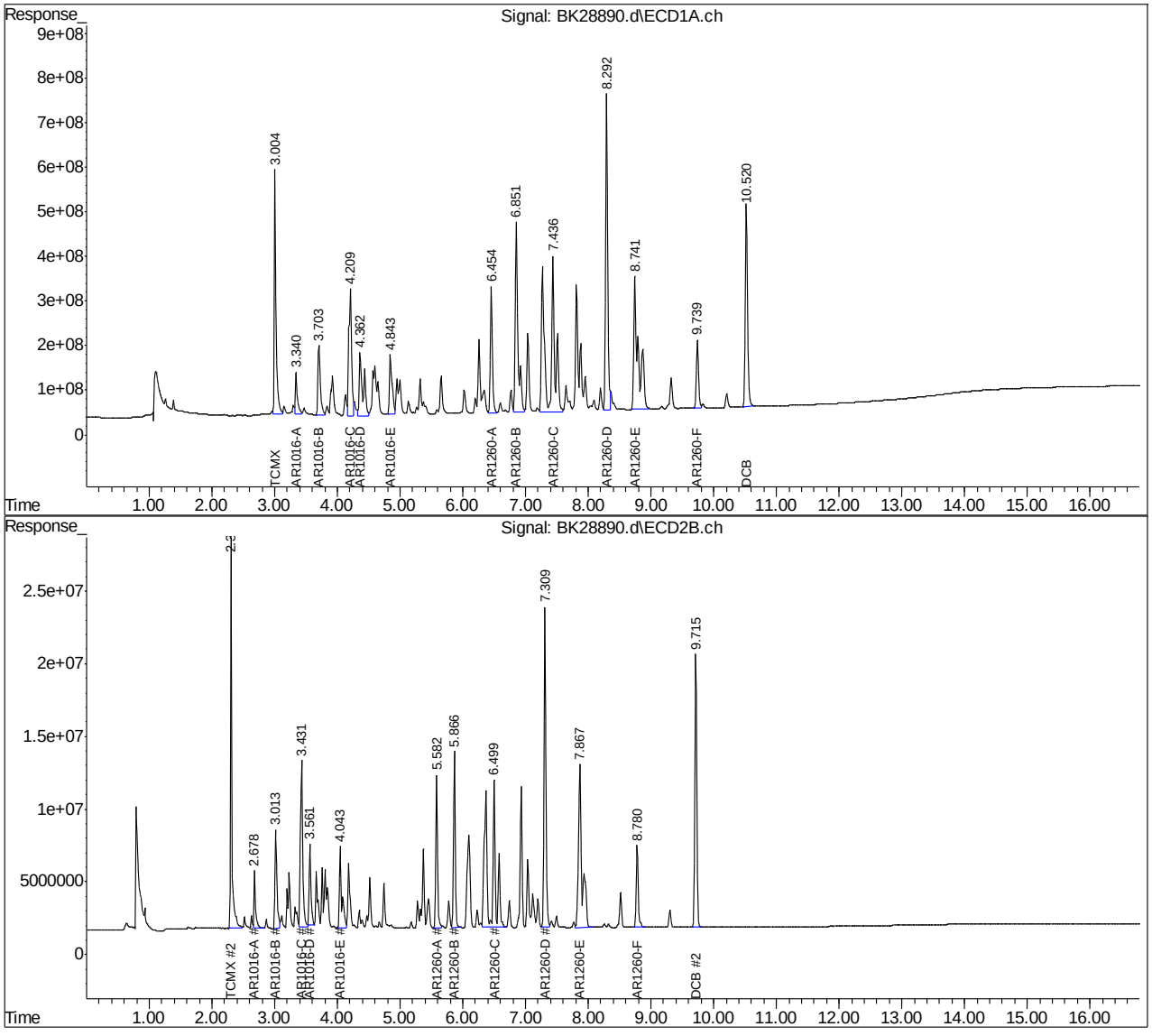
11.5.3 11

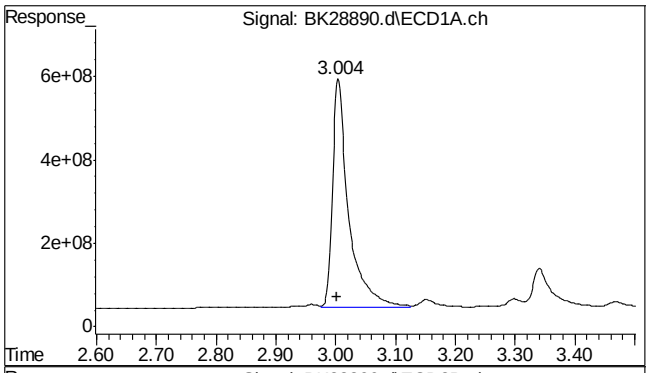
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28890.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 4:38 pm
Operator : nickk
Sample : icc979-500,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:04:59 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 16:44:13 2013
Response via : Initial Calibration
Integrator: ChemStation

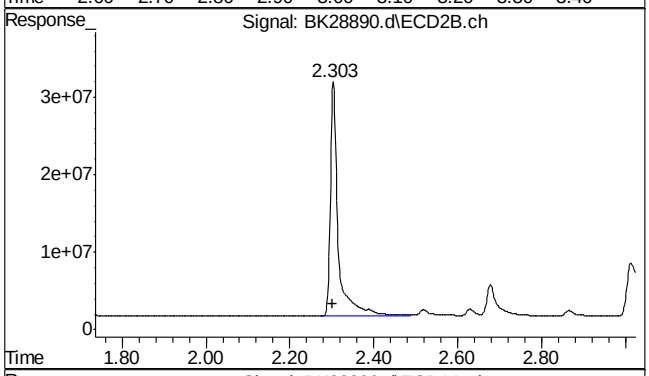
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





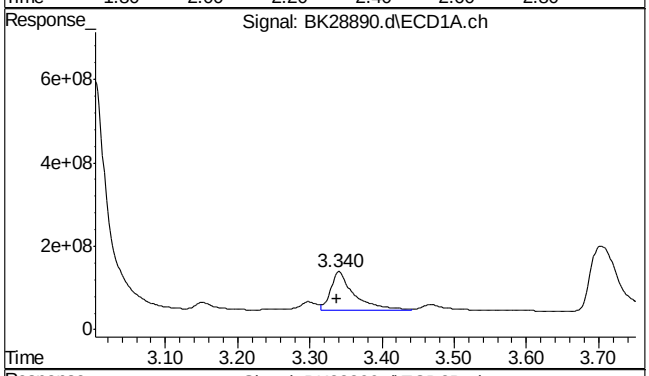
#1 TCMX

R.T.: 3.004 min
Delta R.T.: 0.002 min
Response: 10267662833
Conc: 54.55 ppb m



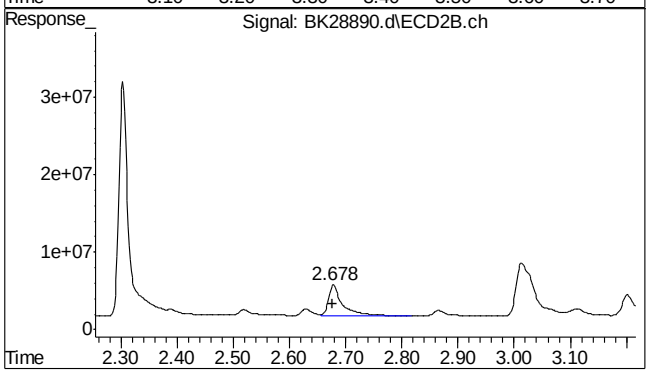
#1 TCMX

R.T.: 2.303 min
Delta R.T.: 0.002 min
Response: 388702784
Conc: 56.28 ppb m



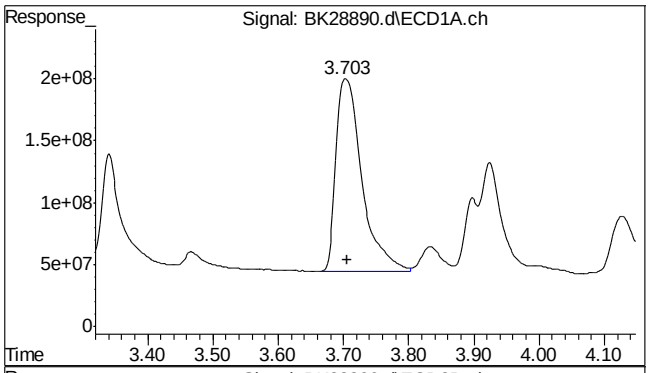
#2 AR1016-A

R.T.: 3.340 min
Delta R.T.: 0.002 min
Response: 2036368819
Conc: 388.59 ppb m



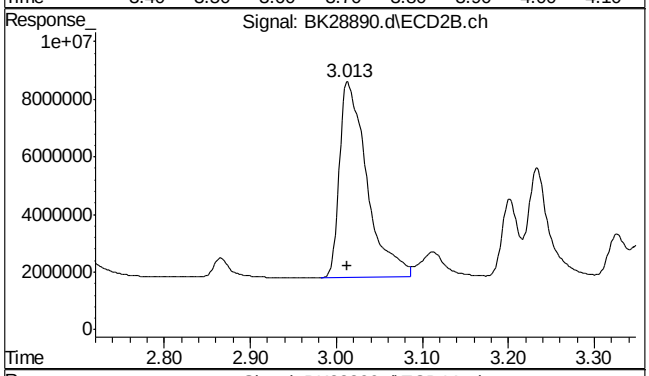
#2 AR1016-A

R.T.: 2.678 min
Delta R.T.: 0.002 min
Response: 67674324
Conc: 501.82 ppb m



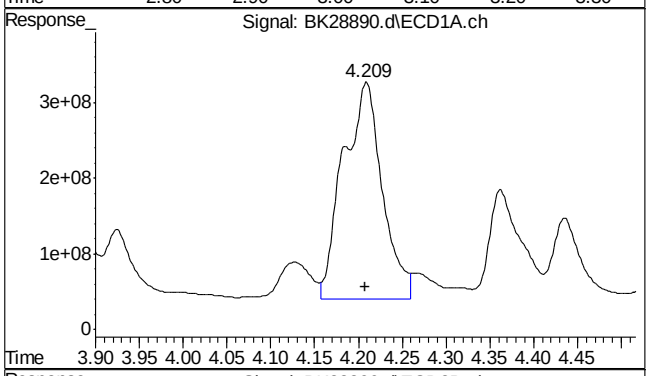
#3 AR1016-B

R.T.: 3.703 min
Delta R.T.: -0.002 min
Response: 4257042259
Conc: 585.34 ppb m



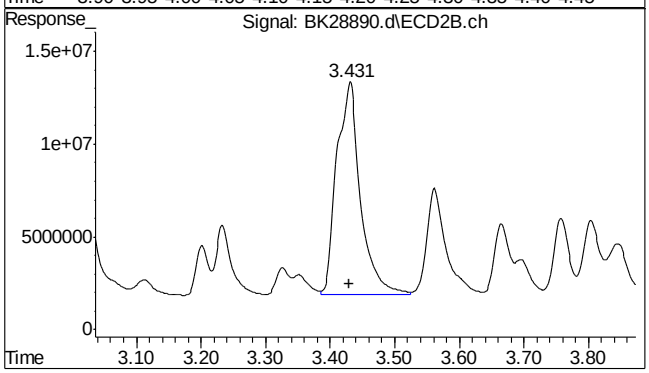
#3 AR1016-B

R.T.: 3.013 min
Delta R.T.: 0.000 min
Response: 149535989
Conc: 559.41 ppb m



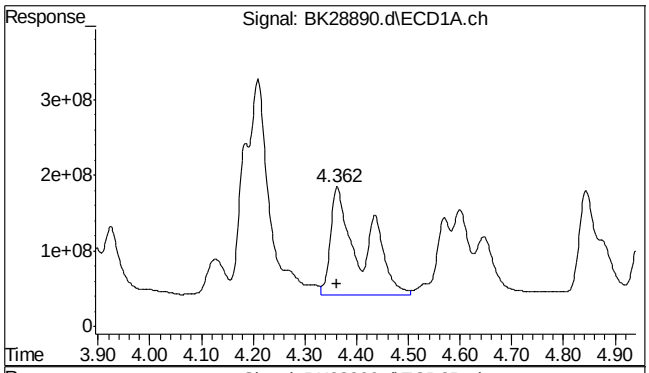
#4 AR1016-C

R.T.: 4.209 min
Delta R.T.: 0.000 min
Response: 8856932854
Conc: 502.77 ppb m



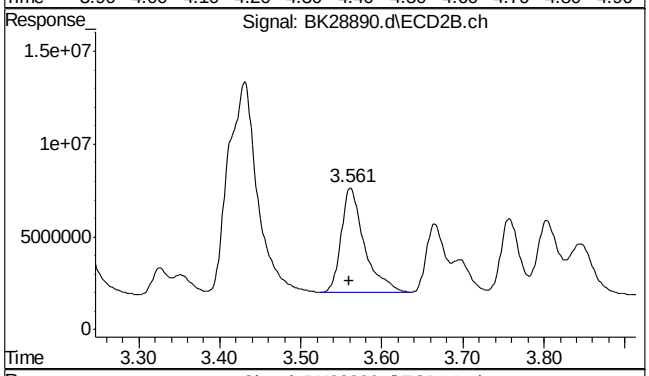
#4 AR1016-C

R.T.: 3.430 min
Delta R.T.: 0.000 min
Response: 292451796
Conc: 555.42 ppb m



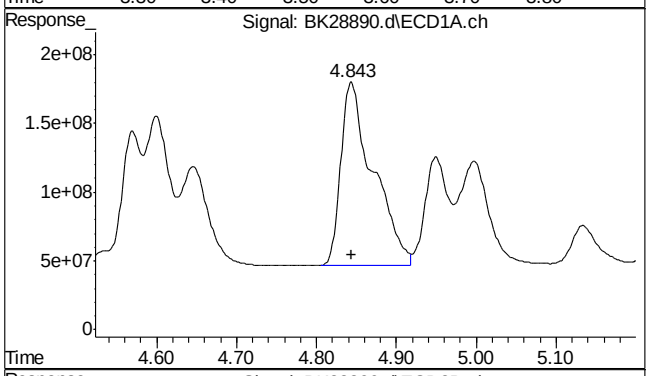
#5 AR1016-D

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 5978841314
Conc: 572.10 m



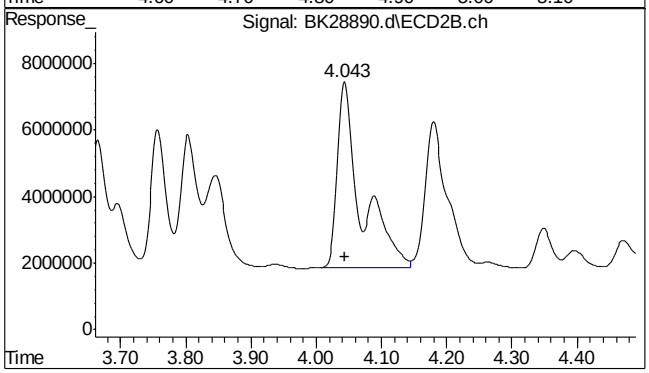
#5 AR1016-D

R.T.: 3.561 min
Delta R.T.: 0.000 min
Response: 111720497
Conc: 540.62 m



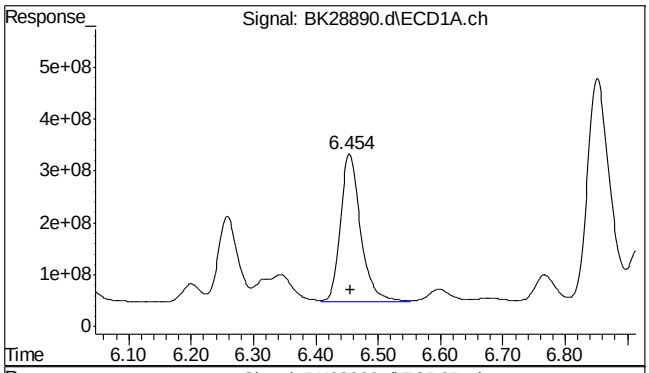
#6 AR1016-E

R.T.: 4.843 min
Delta R.T.: 0.000 min
Response: 3763362736
Conc: 555.95 m



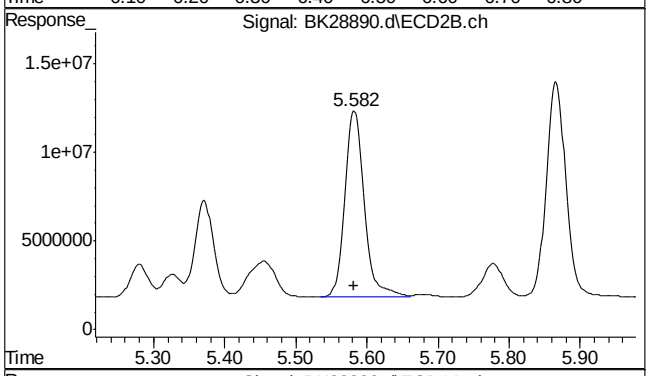
#6 AR1016-E

R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 139819087
Conc: 559.54 m



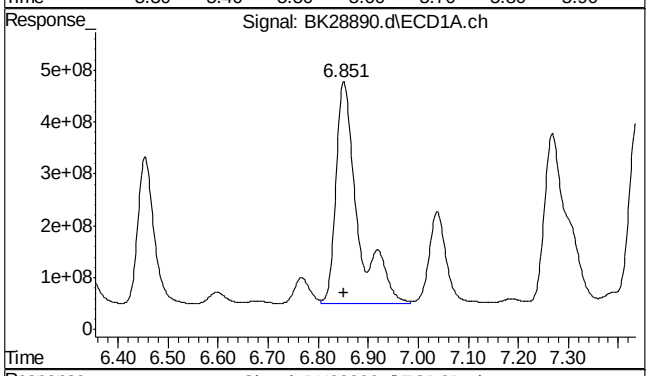
#7 AR1260-A

R.T.: 6.454 min
Delta R.T.: -0.001 min
Response: 6338989900
Conc: 549.68 ppb



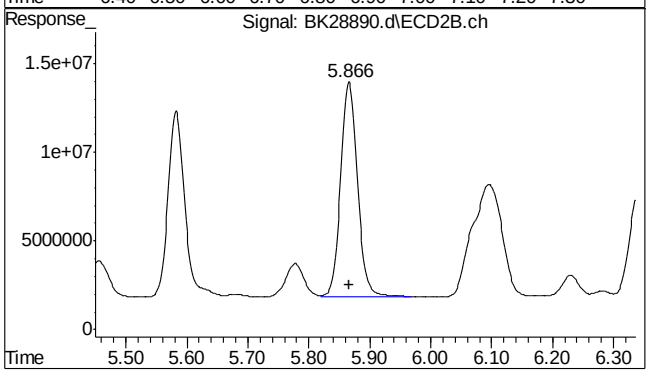
#7 AR1260-A

R.T.: 5.582 min
Delta R.T.: 0.000 min
Response: 199350186
Conc: 558.38 ppb m



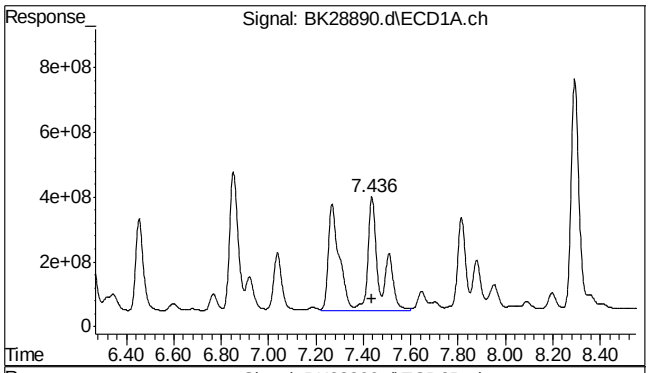
#8 AR1260-B

R.T.: 6.851 min
Delta R.T.: -0.001 min
Response: 13055678093
Conc: 547.83 ppb m



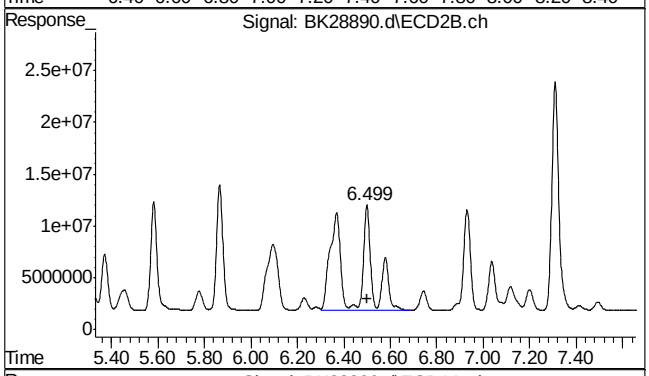
#8 AR1260-B

R.T.: 5.866 min
Delta R.T.: 0.000 min
Response: 231615875
Conc: 537.57 ppb



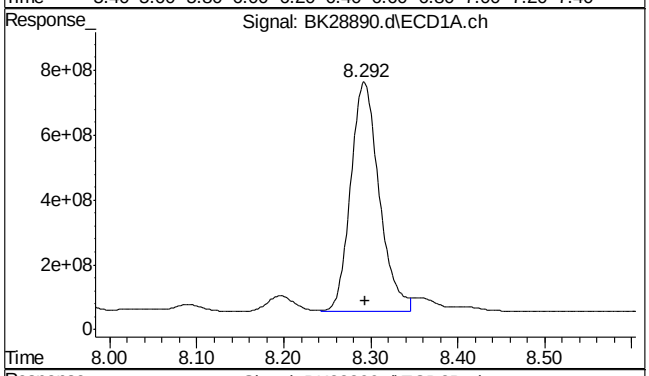
#9 AR1260-C

R.T.: 7.436 min
Delta R.T.: -0.002 min
Response: 23052073895
Conc: 551.55 ppb m



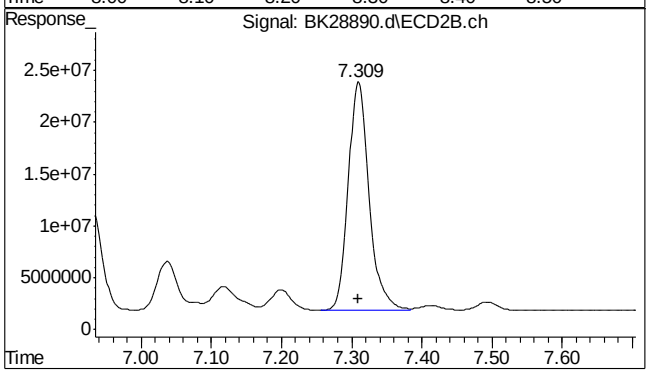
#9 AR1260-C

R.T.: 6.499 min
Delta R.T.: 0.000 min
Response: 600480471
Conc: 541.14 ppb m



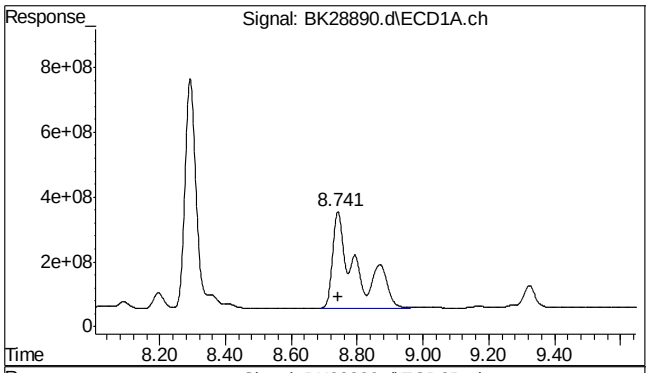
#10 AR1260-D

R.T.: 8.292 min
Delta R.T.: -0.002 min
Response: 16192948439
Conc: 534.66 ppb m



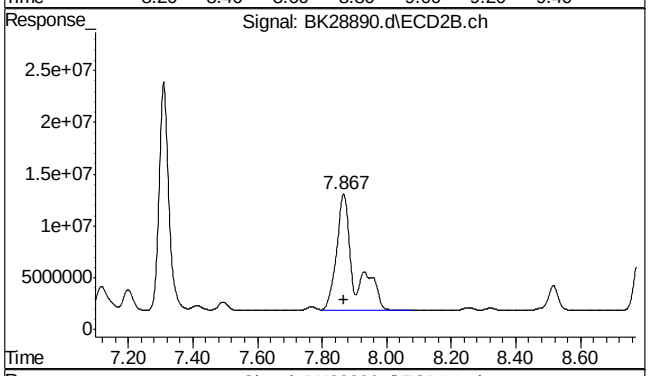
#10 AR1260-D

R.T.: 7.309 min
Delta R.T.: 0.000 min
Response: 453286140
Conc: 534.39 ppb m



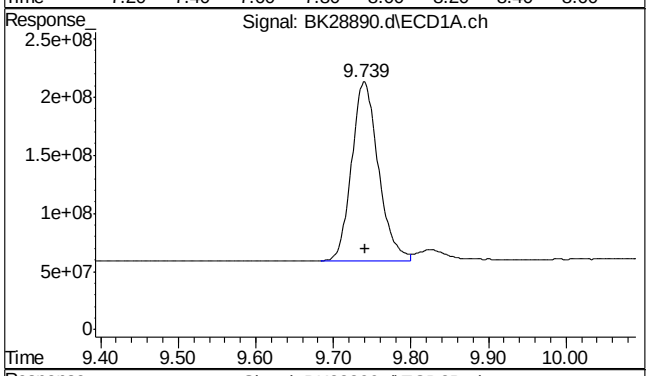
#11 AR1260-E

R.T.: 8.741 min
Delta R.T.: -0.002 min
Response: 15087796236
Conc: 529.21 ppb m



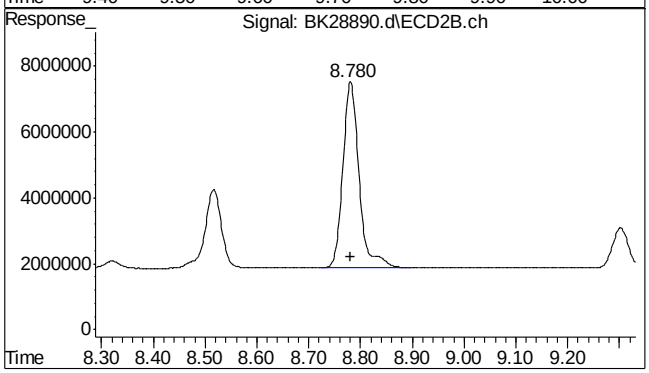
#11 AR1260-E

R.T.: 7.867 min
Delta R.T.: -0.001 min
Response: 436595959
Conc: 536.58 ppb m



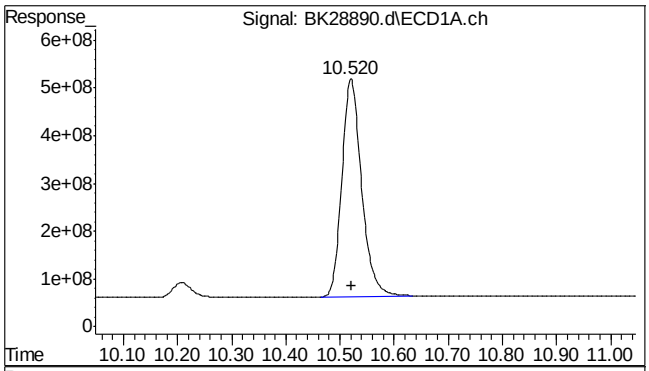
#12 AR1260-F

R.T.: 9.739 min
Delta R.T.: -0.002 min
Response: 3682481754
Conc: 511.38 m



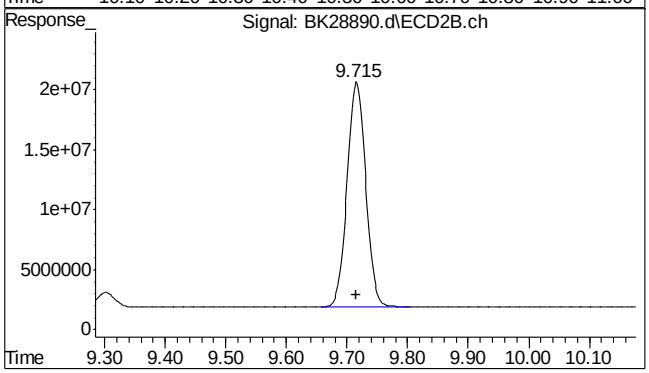
#12 AR1260-F

R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 123069477
Conc: 525.98



#13 DCB

R.T.: 10.520 min
Delta R.T.: -0.002 min
Response: 11505658573
Conc: 48.11 ppb m



#13 DCB

R.T.: 9.715 min
Delta R.T.: 0.000 min
Response: 401746426
Conc: 50.00 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28891.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 4:57 pm
Operator : nickk
Sample : ic979-250,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 07:57:09 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 17:39:56 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.002	2.301	7918.6E6	291.9E6	41.190m	40.813m
	Spiked Amount 40.000			Recovery	=	102.97%	102.03%
13) s	DCB	10.520	9.716	9064.3E6	306.7E6	37.994m	37.910
	Spiked Amount 40.000			Recovery	=	94.98%	94.77%
	Target Compounds						
2)	AR1016-A	3.338	2.676	1053.3E6	32111093	205.272m	234.981m
3)	AR1016-B	3.705	3.012	1883.1E6	71707029	252.863m	261.593m
4)	AR1016-C	4.208	3.430	3901.9E6	132.1E6	220.764m	246.585m
5)	AR1016-D	4.361	3.561	2622.7E6	52379981	246.868m	249.275m
6)	AR1016-E	4.844	4.044	1700.4E6	65168841	247.075m	255.150m
7)	AR1260-A	6.456	5.583	2886.6E6	91508677	247.573	250.791m
8)	AR1260-B	6.852	5.867	5845.0E6	107.1E6	242.890m	246.172m
9)	AR1260-C	7.437	6.500	10019.4E6	272.2E6	237.561m	242.041m
10)	AR1260-D	8.292	7.311	7224.0E6	202.2E6	239.513m	237.496m
11)	AR1260-E	8.742	7.868	6753.5E6	198.3E6	237.336m	242.103m
12)	AR1260-F	9.740	8.783	1685.5E6	56005723	236.149	239.097

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

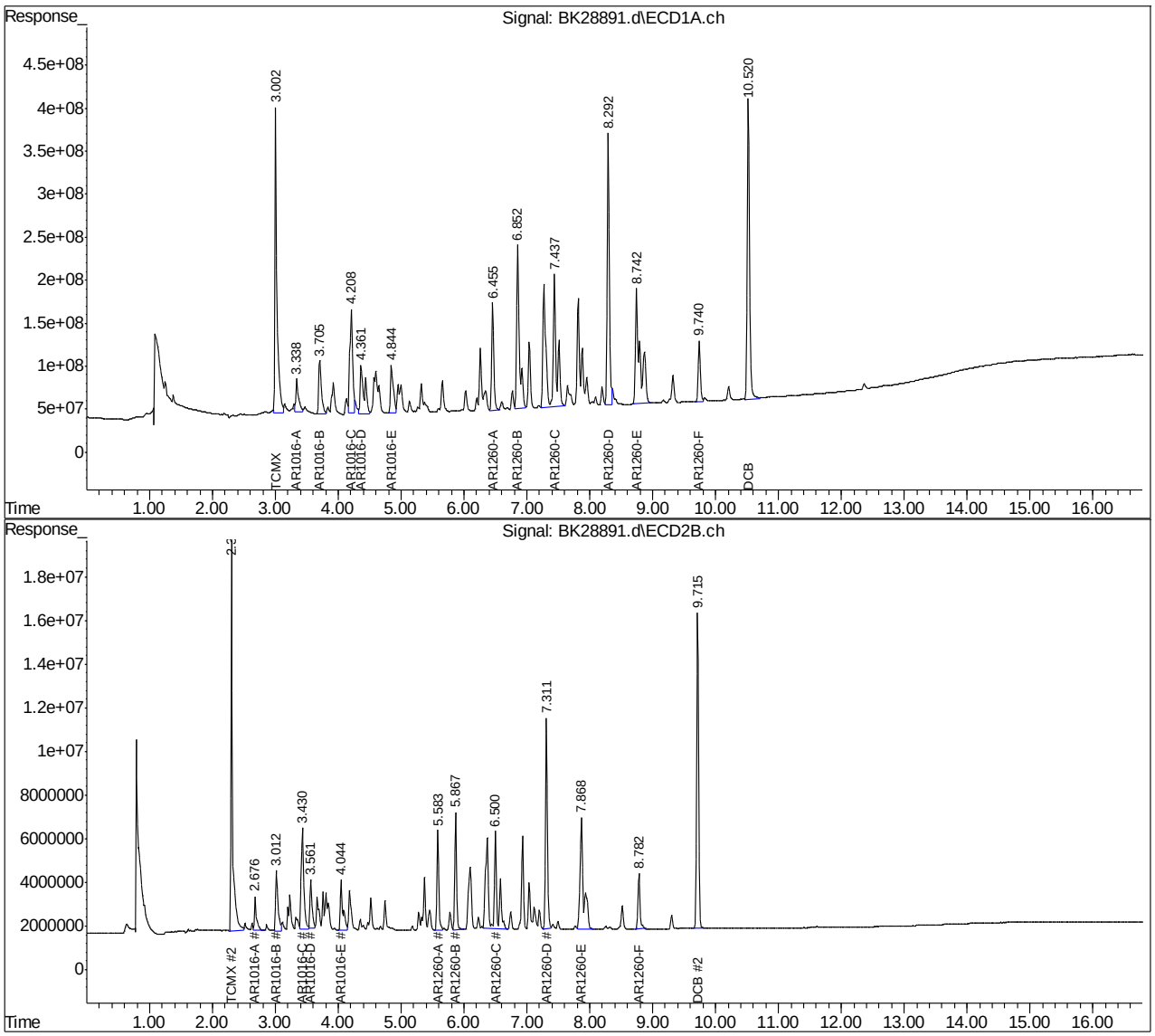
11.5.4 11

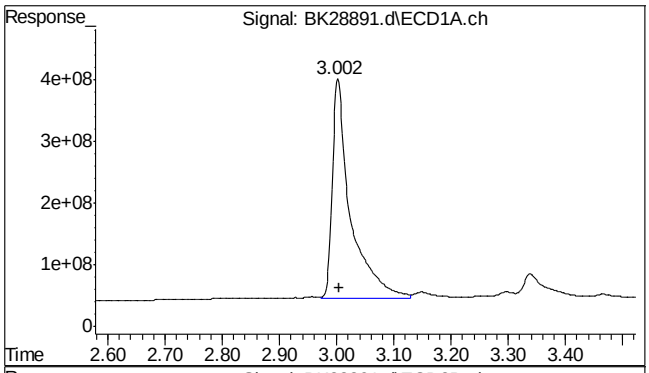
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28891.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 4:57 pm
Operator : nickk
Sample : ic979-250,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 07:57:09 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 17:39:56 2013
Response via : Initial Calibration
Integrator: ChemStation

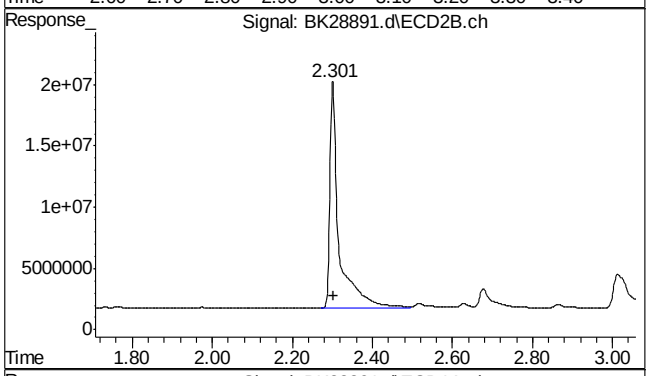
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





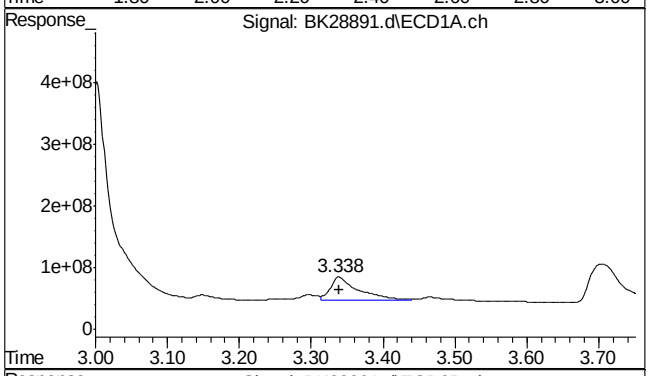
#1 TCMX

R.T.: 3.002 min
Delta R.T.: -0.002 min
Response: 7918593559
Conc: 41.19 ppb m



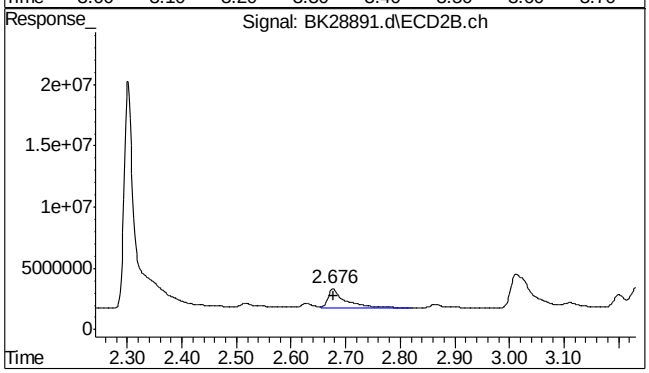
#1 TCMX

R.T.: 2.301 min
Delta R.T.: -0.002 min
Response: 291923513
Conc: 40.81 ppb m



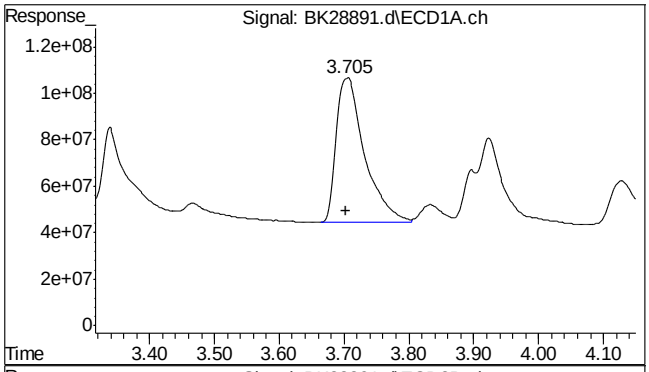
#2 AR1016-A

R.T.: 3.338 min
Delta R.T.: -0.002 min
Response: 1053299762
Conc: 205.27 ppb m



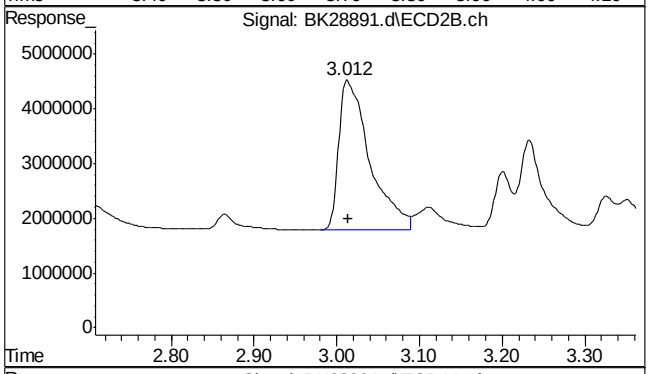
#2 AR1016-A

R.T.: 2.676 min
Delta R.T.: -0.001 min
Response: 32111093
Conc: 234.98 ppb m



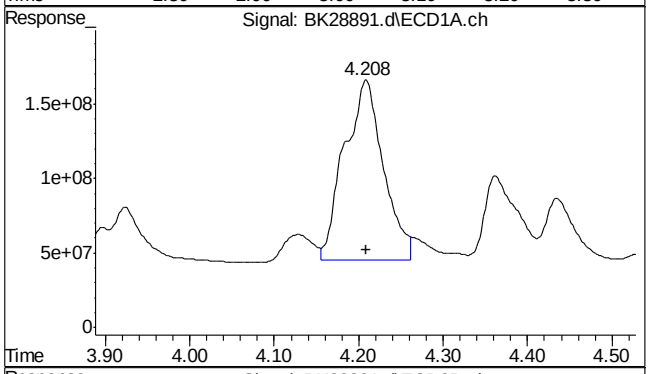
#3 AR1016-B

R.T.: 3.705 min
Delta R.T.: 0.002 min
Response: 1883099930
Conc: 252.86 ppb m



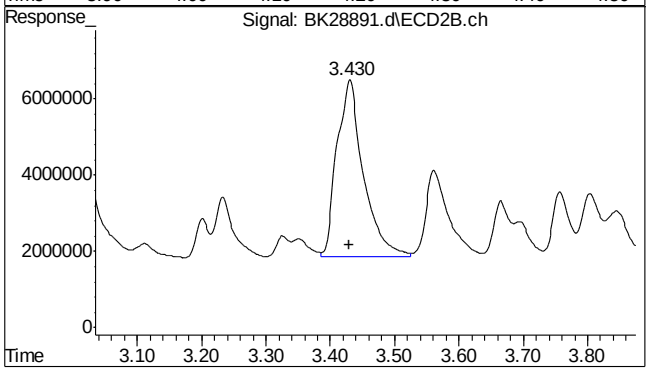
#3 AR1016-B

R.T.: 3.012 min
Delta R.T.: -0.002 min
Response: 71707029
Conc: 261.59 ppb m



#4 AR1016-C

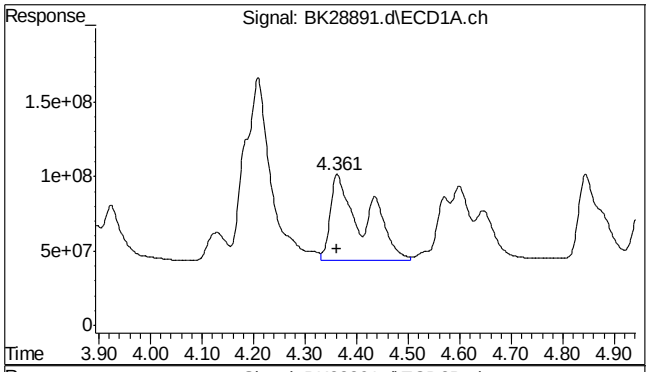
R.T.: 4.208 min
Delta R.T.: 0.000 min
Response: 3901866477
Conc: 220.76 ppb m



#4 AR1016-C

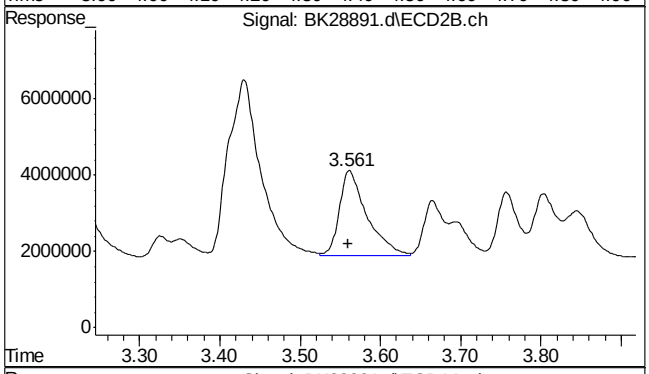
R.T.: 3.430 min
Delta R.T.: 0.000 min
Response: 132058990
Conc: 246.59 ppb m

11.5.4 11



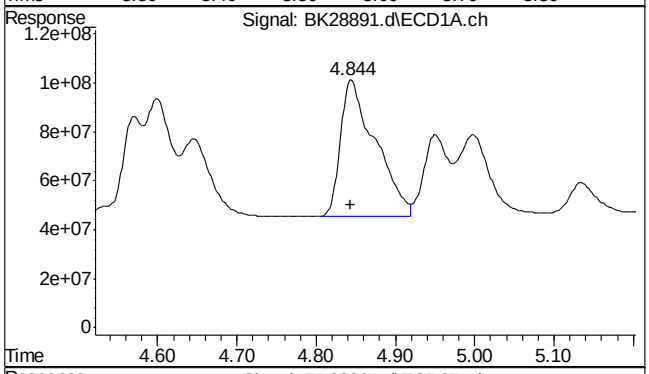
#5 AR1016-D

R.T.: 4.361 min
Delta R.T.: 0.000 min
Response: 2622705458
Conc: 246.87 m



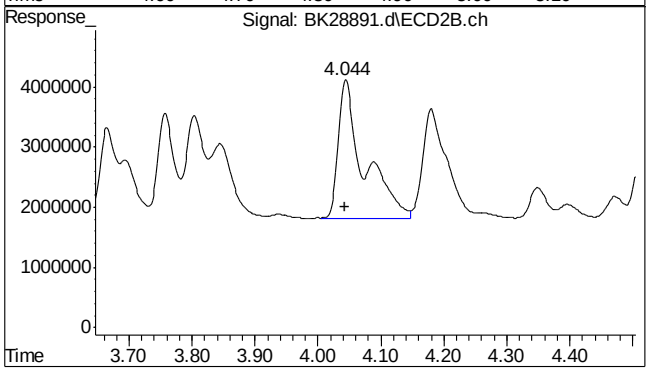
#5 AR1016-D

R.T.: 3.561 min
Delta R.T.: 0.000 min
Response: 52379981
Conc: 249.27 m



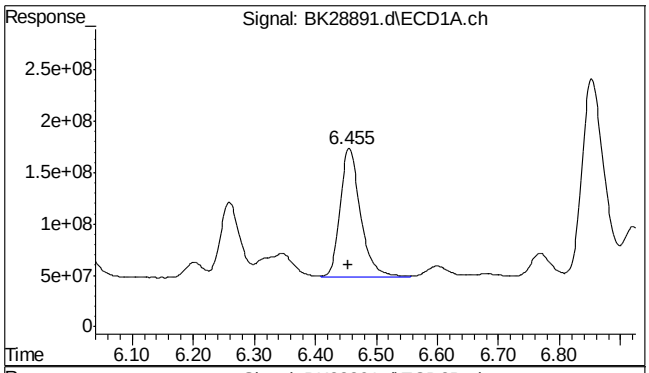
#6 AR1016-E

R.T.: 4.844 min
Delta R.T.: 0.000 min
Response: 1700439054
Conc: 247.07 m



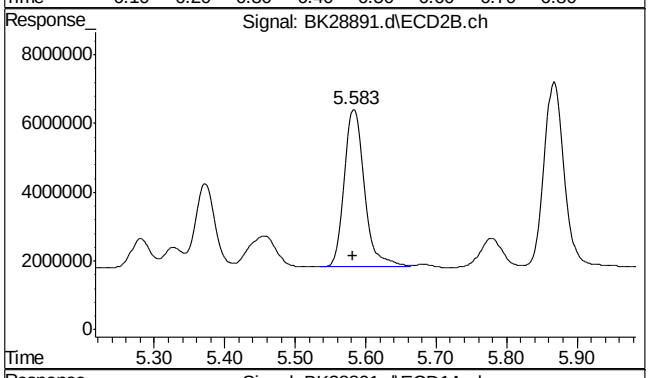
#6 AR1016-E

R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 65168841
Conc: 255.15 m



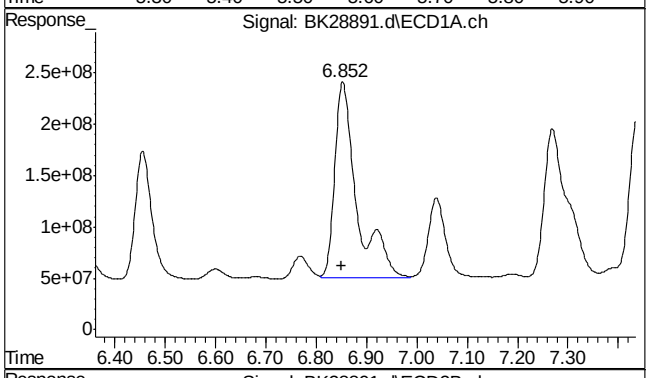
#7 AR1260-A

R.T.: 6.456 min
Delta R.T.: 0.001 min
Response: 2886597839
Conc: 247.57 ppb



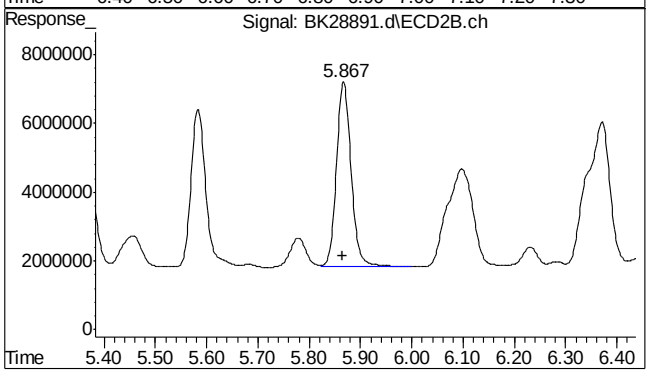
#7 AR1260-A

R.T.: 5.583 min
Delta R.T.: 0.001 min
Response: 91508677
Conc: 250.79 ppb m



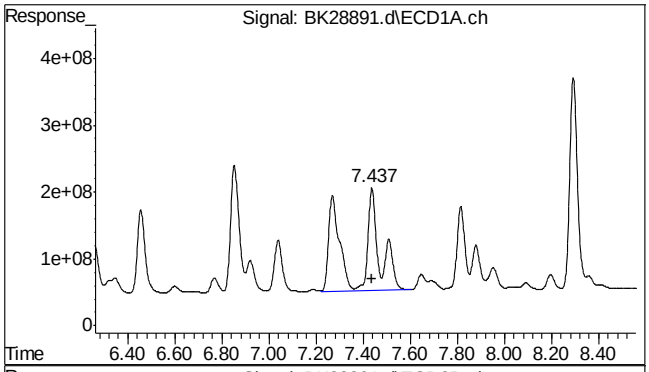
#8 AR1260-B

R.T.: 6.852 min
Delta R.T.: 0.001 min
Response: 5844999877
Conc: 242.89 ppb m



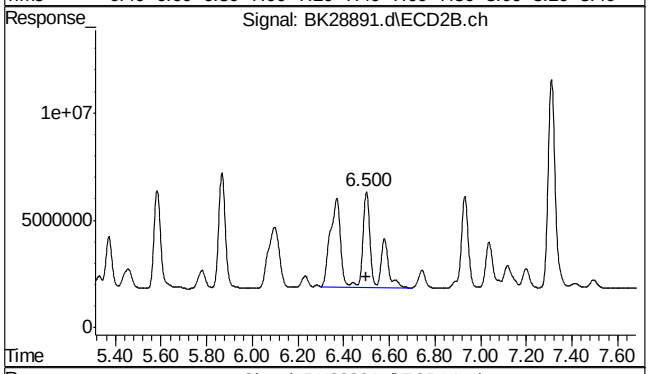
#8 AR1260-B

R.T.: 5.867 min
Delta R.T.: 0.000 min
Response: 107101585
Conc: 246.17 ppb m



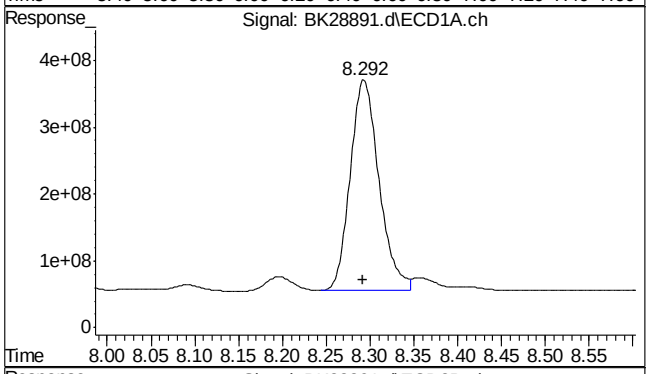
#9 AR1260-C

R.T.: 7.437 min
Delta R.T.: 0.000 min
Response: 10019413279
Conc: 237.56 ppb m



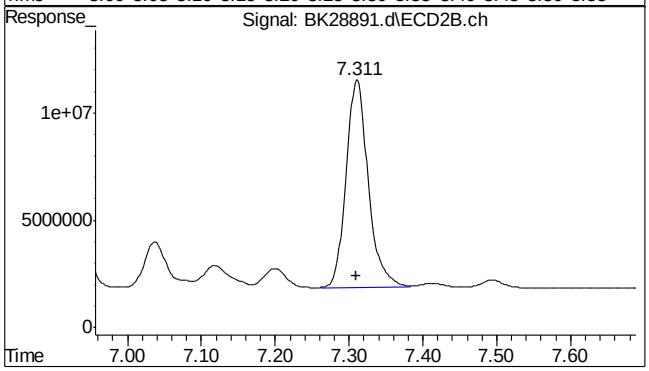
#9 AR1260-C

R.T.: 6.500 min
Delta R.T.: 0.000 min
Response: 272159246
Conc: 242.04 ppb m



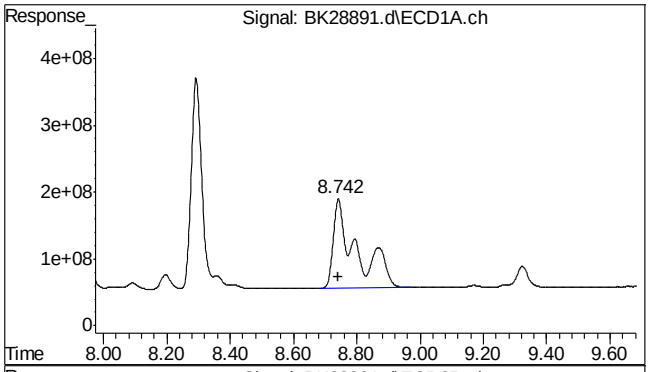
#10 AR1260-D

R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 7224012697
Conc: 239.51 ppb m



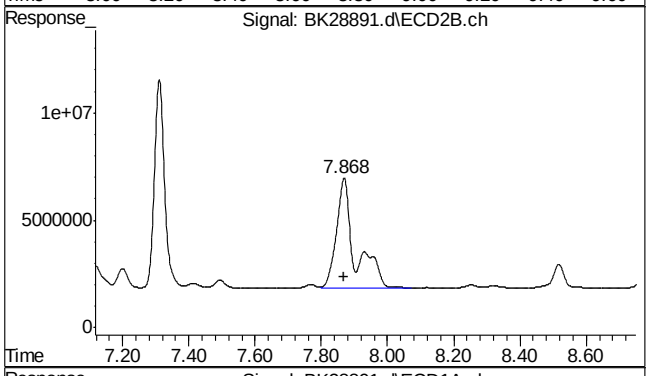
#10 AR1260-D

R.T.: 7.311 min
Delta R.T.: 0.001 min
Response: 202224315
Conc: 237.50 ppb m



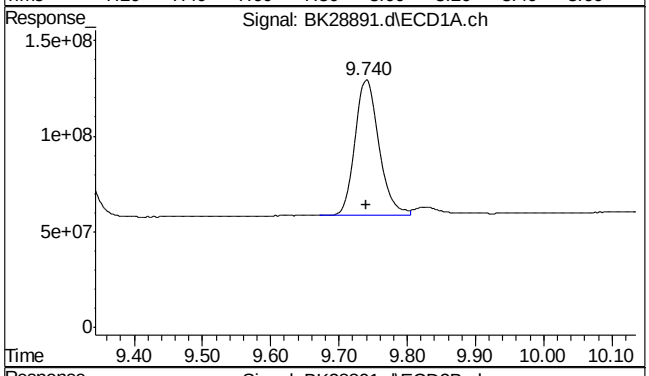
#11 AR1260-E

R.T.: 8.742 min
Delta R.T.: 0.000 min
Response: 6753531491
Conc: 237.34 ppb m



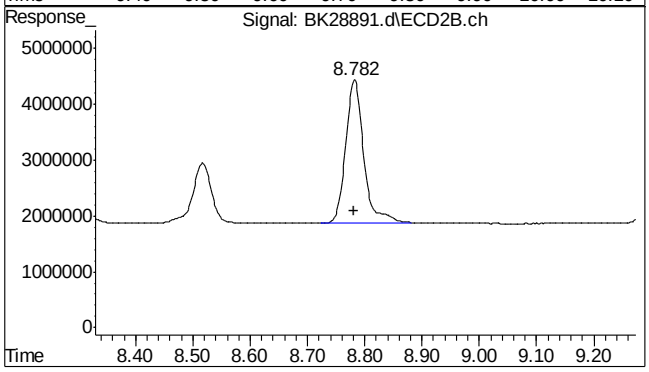
#11 AR1260-E

R.T.: 7.868 min
Delta R.T.: 0.002 min
Response: 198295776
Conc: 242.10 ppb m



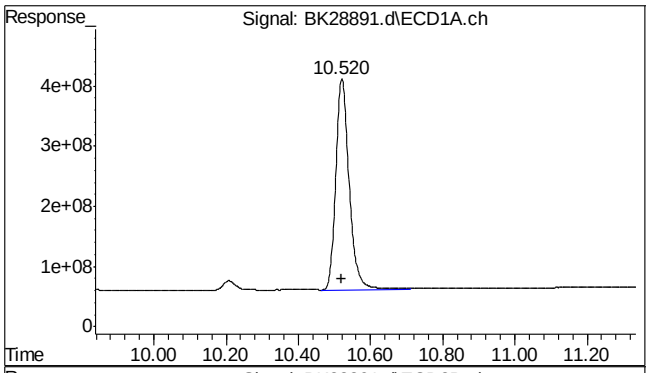
#12 AR1260-F

R.T.: 9.740 min
Delta R.T.: 0.000 min
Response: 1685459364
Conc: 236.15



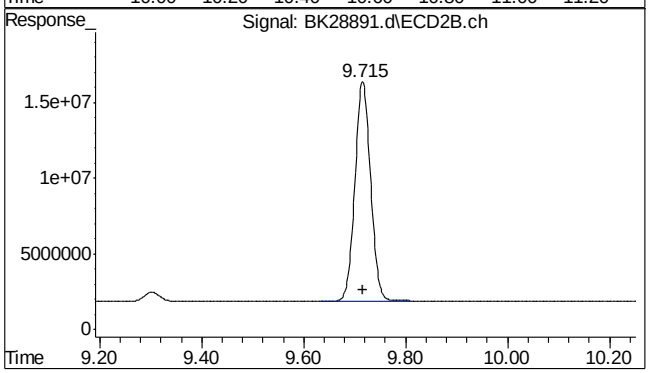
#12 AR1260-F

R.T.: 8.783 min
Delta R.T.: 0.001 min
Response: 56005723
Conc: 239.10



#13 DCB

R.T.: 10.520 min
Delta R.T.: 0.000 min
Response: 9064291423
Conc: 37.99 ppb m



#13 DCB

R.T.: 9.716 min
Delta R.T.: 0.000 min
Response: 306724485
Conc: 37.91 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28892.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 5:16 pm
Operator : nickk
Sample : ic979-100,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:00:03 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 17:42:54 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.003	2.303	3281.1E6	125.9E6	16.817m	17.209m
	Spiked Amount 40.000			Recovery	=	42.04%	43.02%
13) s	DCB	10.521	9.716	4126.5E6	140.7E6	17.412m	17.376m
	Spiked Amount 40.000			Recovery	=	43.53%	43.44%
	Target Compounds						
2)	AR1016-A	3.340	2.678	470.1E6	14369387	95.606m	104.413m
3)	AR1016-B	3.702	3.013	828.0E6	31758710	109.578m	113.616m
4)	AR1016-C	4.208	3.431	1845.1E6	60113464	106.555m	111.231m
5)	AR1016-D	4.361	3.562	1188.7E6	23403407	113.663m	110.369m
6)	AR1016-E	4.843	4.044	765.1E6	29208919	110.288m	112.849m
7)	AR1260-A	6.454	5.582	1283.3E6	41610654	109.579m	112.800m
8)	AR1260-B	6.851	5.866	2664.2E6	49387408	110.789m	112.897m
9)	AR1260-C	7.436	6.500	4532.8E6	125.7E6	108.010m	111.412m
10)	AR1260-D	8.292	7.310	3211.6E6	91474589	107.090m	107.466m
11)	AR1260-E	8.742	7.868	3061.0E6	88990608	108.214m	108.407m
12)	AR1260-F	9.740	8.781	762.6E6	25661366	107.744	109.772m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

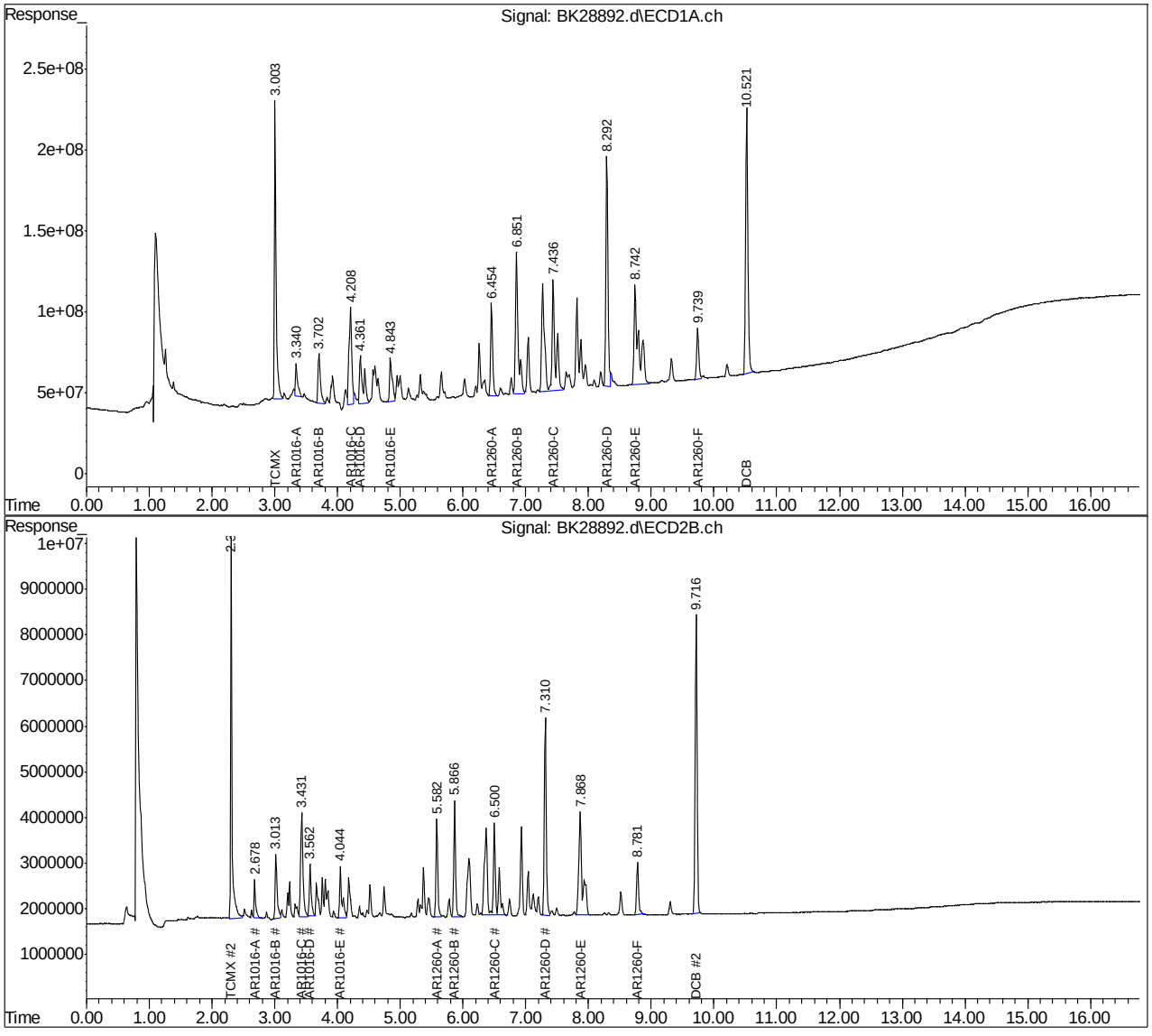
11.5.5 11

Quantitation Report (QT Reviewed)

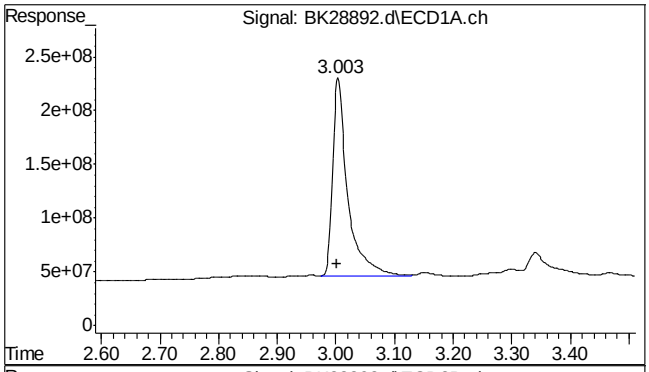
Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28892.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 5:16 pm
Operator : nickk
Sample : ic979-100,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:00:03 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 17:42:54 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

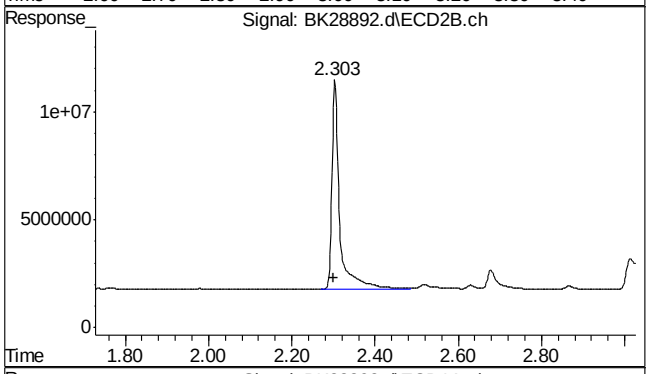


ACCUTEST LABORATORIES MC24023



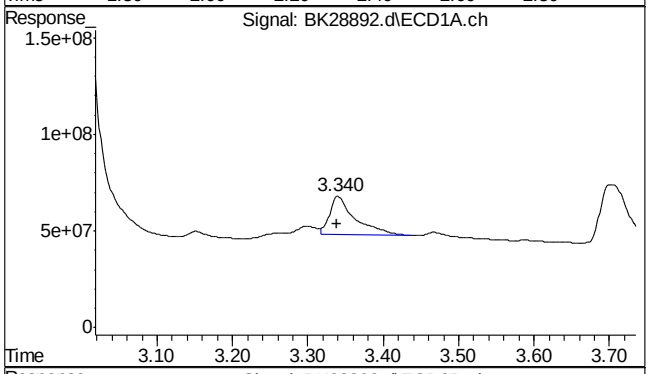
#1 TCMX

R.T.: 3.003 min
Delta R.T.: 0.001 min
Response: 3281127621
Conc: 16.82 ppb m



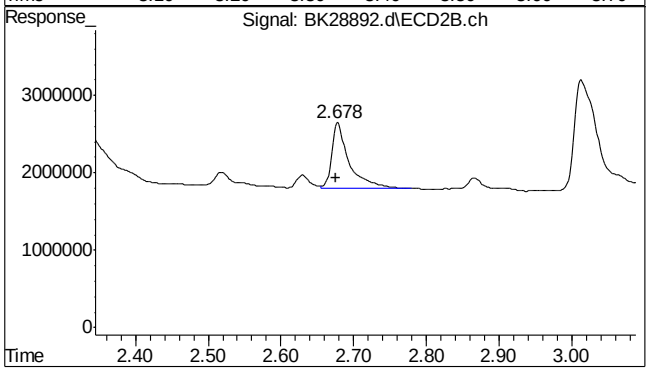
#1 TCMX

R.T.: 2.303 min
Delta R.T.: 0.002 min
Response: 125947905
Conc: 17.21 ppb m



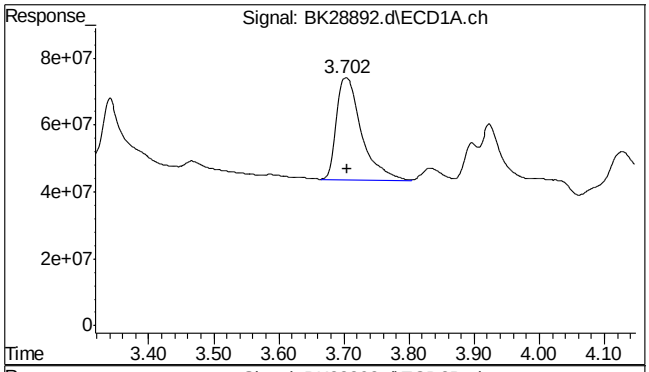
#2 AR1016-A

R.T.: 3.340 min
Delta R.T.: 0.001 min
Response: 470114423
Conc: 95.61 ppb m



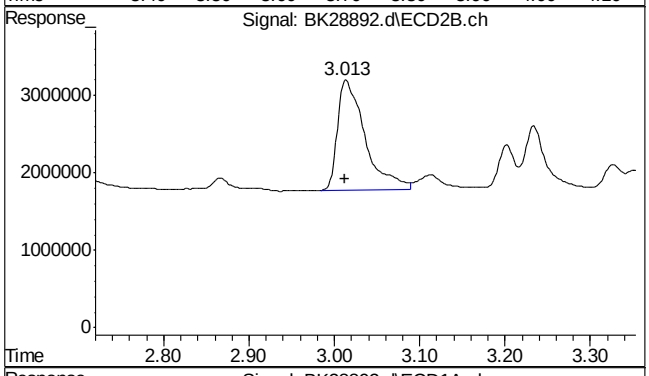
#2 AR1016-A

R.T.: 2.678 min
Delta R.T.: 0.002 min
Response: 14369387
Conc: 104.41 ppb m



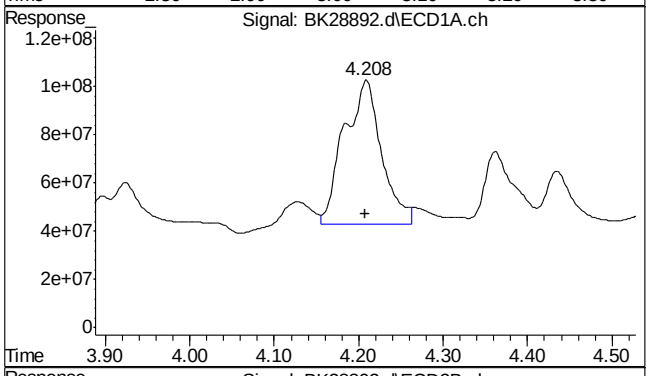
#3 AR1016-B

R.T.: 3.702 min
Delta R.T.: -0.003 min
Response: 827996186
Conc: 109.58 ppb m



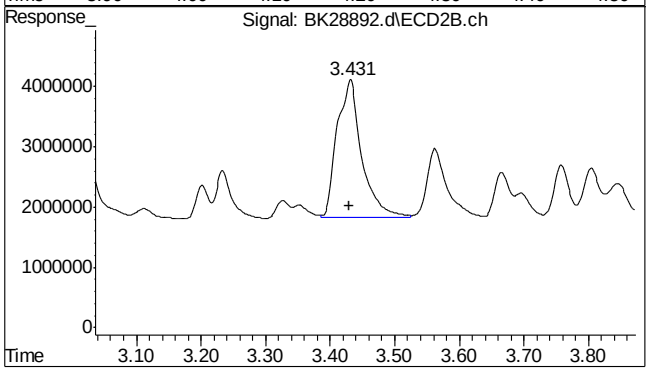
#3 AR1016-B

R.T.: 3.013 min
Delta R.T.: 0.000 min
Response: 31758710
Conc: 113.62 ppb m



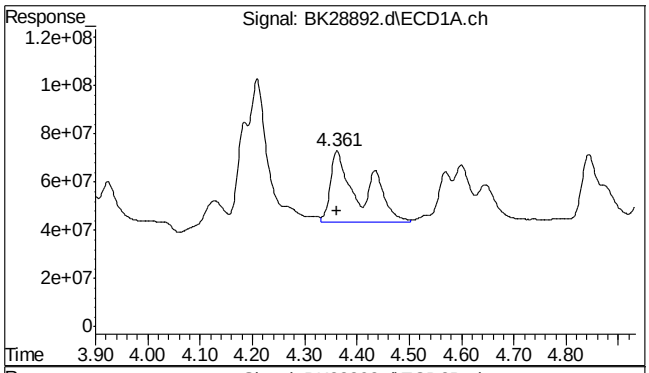
#4 AR1016-C

R.T.: 4.208 min
Delta R.T.: 0.000 min
Response: 1845140772
Conc: 106.55 ppb m



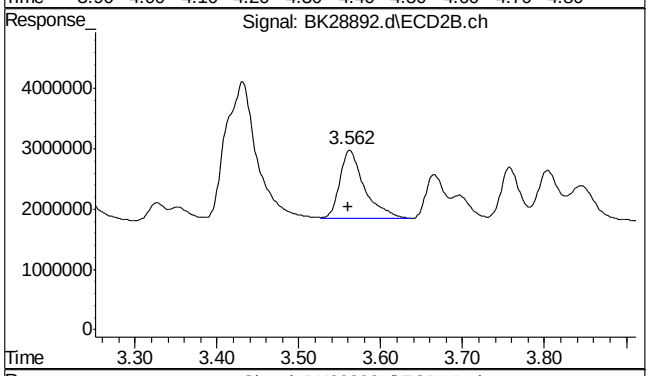
#4 AR1016-C

R.T.: 3.431 min
Delta R.T.: 0.001 min
Response: 60113464
Conc: 111.23 ppb m



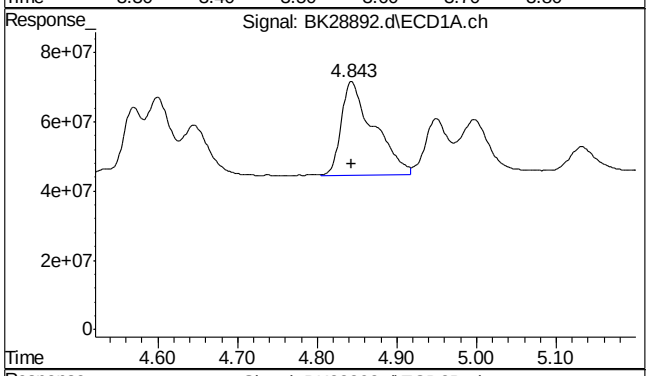
#5 AR1016-D

R.T.: 4.361 min
Delta R.T.: 0.000 min
Response: 1188745609
Conc: 113.66 m



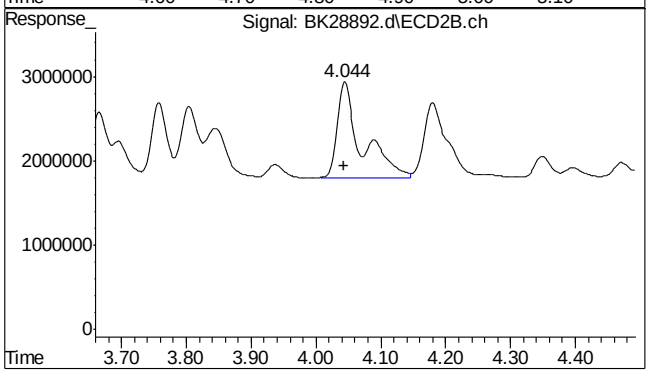
#5 AR1016-D

R.T.: 3.562 min
Delta R.T.: 0.000 min
Response: 23403407
Conc: 110.37 m



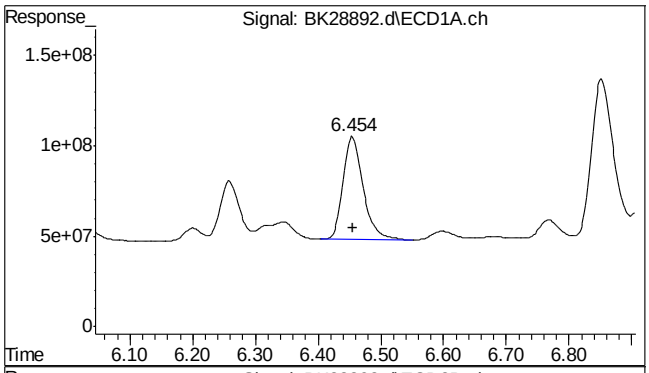
#6 AR1016-E

R.T.: 4.843 min
Delta R.T.: 0.000 min
Response: 765130919
Conc: 110.29 m



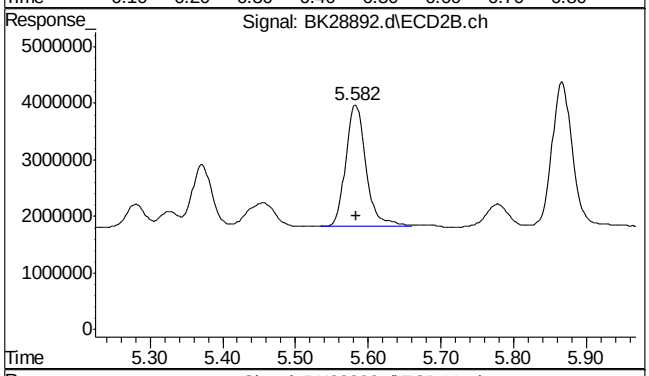
#6 AR1016-E

R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 29208919
Conc: 112.85 m



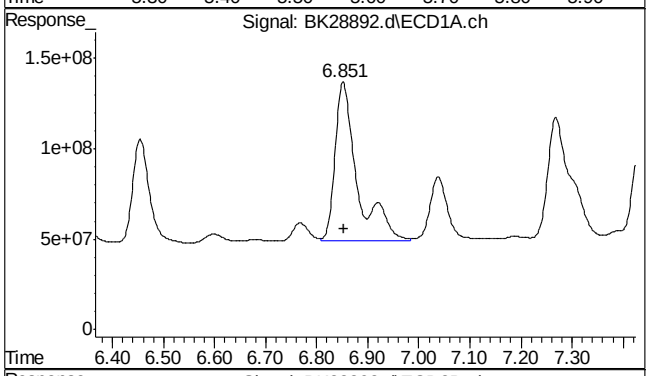
#7 AR1260-A

R.T.: 6.454 min
Delta R.T.: -0.002 min
Response: 1283279255
Conc: 109.58 ppb m



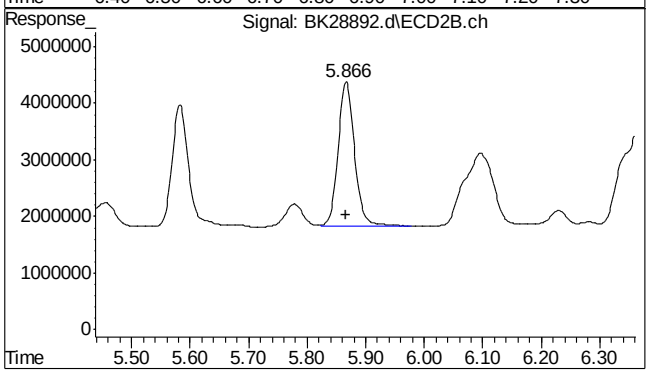
#7 AR1260-A

R.T.: 5.582 min
Delta R.T.: 0.000 min
Response: 41610654
Conc: 112.80 ppb m



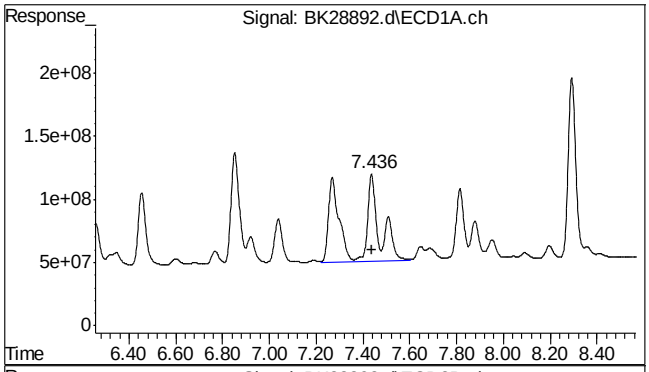
#8 AR1260-B

R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 2664203964
Conc: 110.79 ppb m



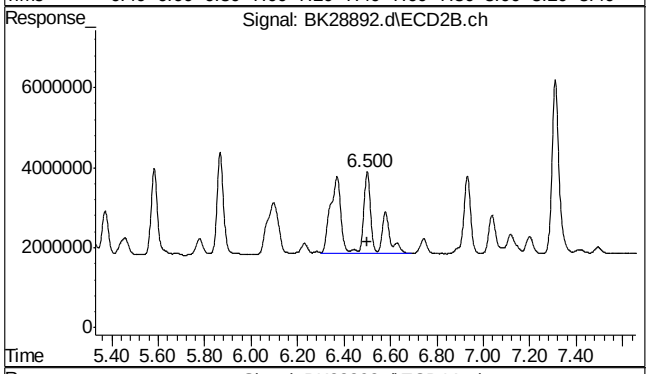
#8 AR1260-B

R.T.: 5.866 min
Delta R.T.: 0.000 min
Response: 49387408
Conc: 112.90 ppb m



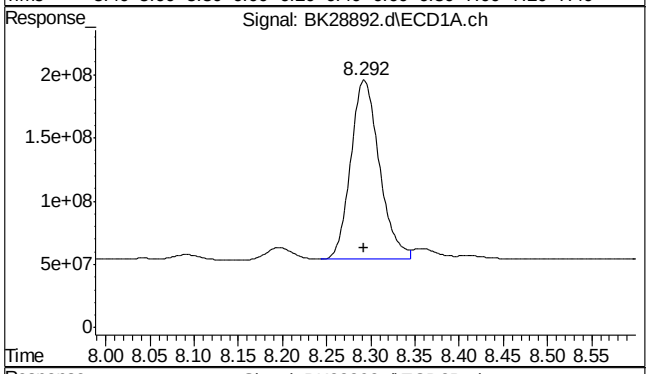
#9 AR1260-C

R.T.: 7.436 min
Delta R.T.: 0.000 min
Response: 4532763612
Conc: 108.01 ppb m



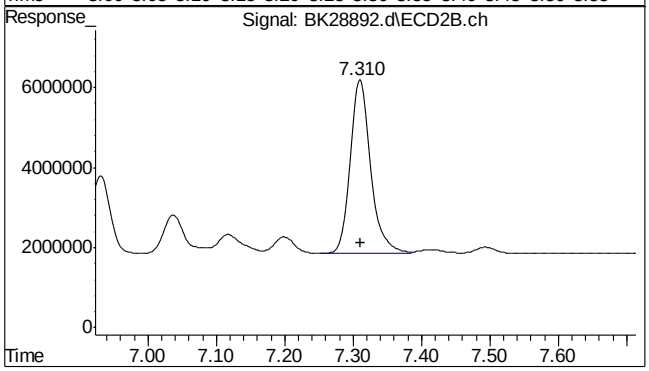
#9 AR1260-C

R.T.: 6.500 min
Delta R.T.: 0.000 min
Response: 125728790
Conc: 111.41 ppb m



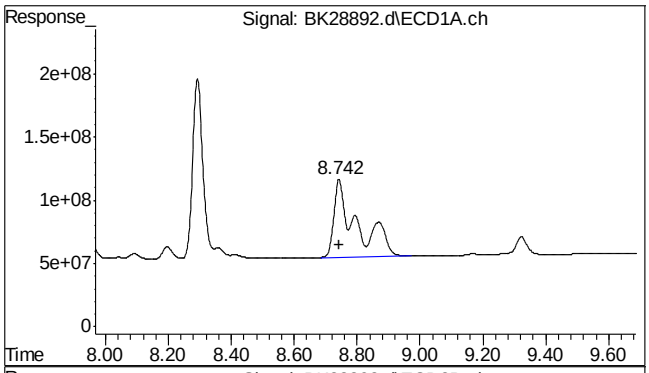
#10 AR1260-D

R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 3211550766
Conc: 107.09 ppb m



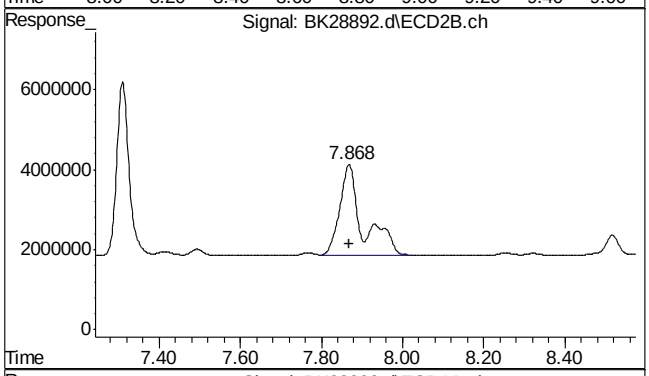
#10 AR1260-D

R.T.: 7.310 min
Delta R.T.: 0.000 min
Response: 91474589
Conc: 107.47 ppb m



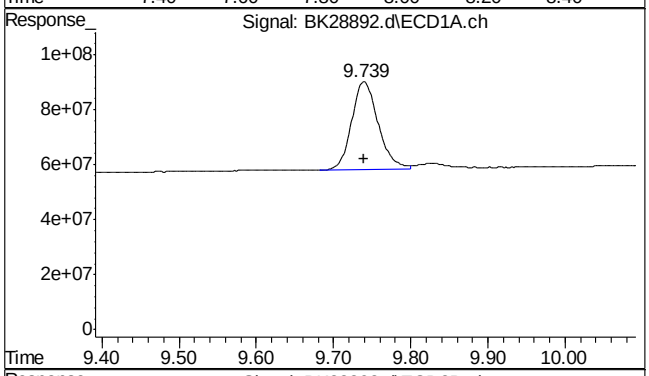
#11 AR1260-E

R.T.: 8.742 min
Delta R.T.: 0.000 min
Response: 3060979088
Conc: 108.21 ppb m



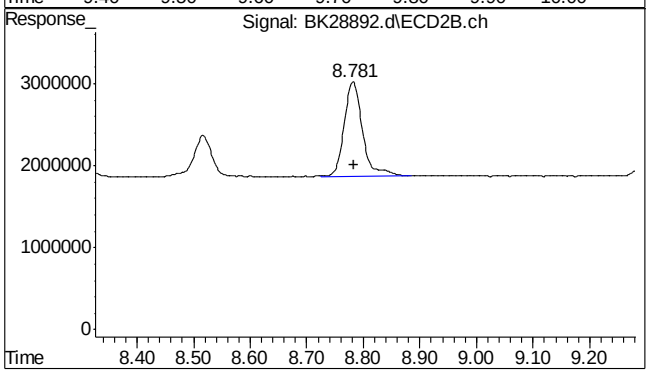
#11 AR1260-E

R.T.: 7.868 min
Delta R.T.: 0.000 min
Response: 88990608
Conc: 108.41 ppb m



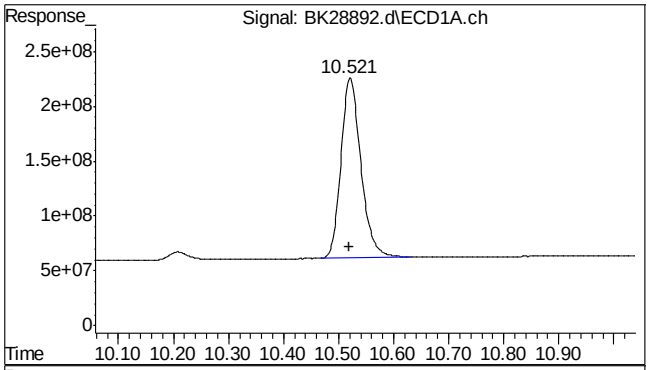
#12 AR1260-F

R.T.: 9.740 min
Delta R.T.: 0.000 min
Response: 762559086
Conc: 107.74



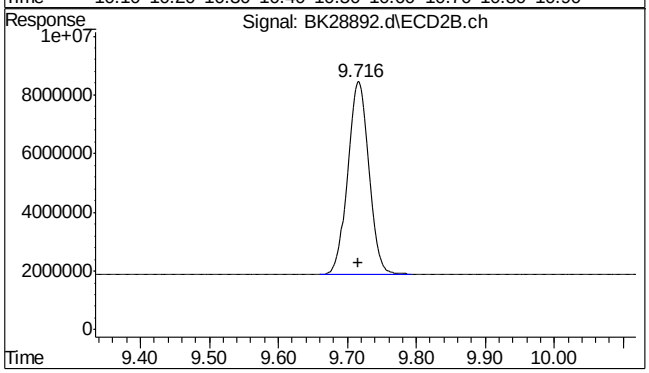
#12 AR1260-F

R.T.: 8.781 min
Delta R.T.: -0.001 min
Response: 25661366
Conc: 109.77 m



#13 DCB

R.T.: 10.521 min
Delta R.T.: 0.000 min
Response: 4126517673
Conc: 17.41 ppb m



#13 DCB

R.T.: 9.716 min
Delta R.T.: 0.000 min
Response: 140694894
Conc: 17.38 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28893.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 5:35 pm
Operator : nickk
Sample : ic979-50,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 07:59:24 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 17:45:54 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.003	2.303	1913.1E6	72623561	9.630m	9.676m
	Spiked Amount 40.000			Recovery	=	24.08%	24.19%
13) s	DCB	10.520	9.715	2600.5E6	91057942	10.922m	11.167m
	Spiked Amount 40.000			Recovery	=	27.31%	27.92%
	Target Compounds						
2)	AR1016-A	3.340	2.677	235.3E6	7045180	50.555m	51.028m
3)	AR1016-B	3.704	3.013	424.8E6	17153139	55.195m	59.724m
4)	AR1016-C	4.209	3.431	975.2E6	33149848	56.395m	60.253m
5)	AR1016-D	4.362	3.562	578.3E6	12764771	53.633m	59.088m
6)	AR1016-E	4.843	4.044	407.3E6	15828487	57.862m	59.937m
7)	AR1260-A	6.454	5.582	707.4E6	22743500	59.839m	60.632m
8)	AR1260-B	6.851	5.866	1399.9E6	26496639	57.622m	59.826m
9)	AR1260-C	7.437	6.499	2468.5E6	66015337	58.315m	57.986m
10)	AR1260-D	8.292	7.309	1660.5E6	49683873	54.965m	57.857m
11)	AR1260-E	8.742	7.866	1663.9E6	48898362	58.505m	59.072m
12)	AR1260-F	9.739	8.780	391.1E6	14125177	55.133m	59.473m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

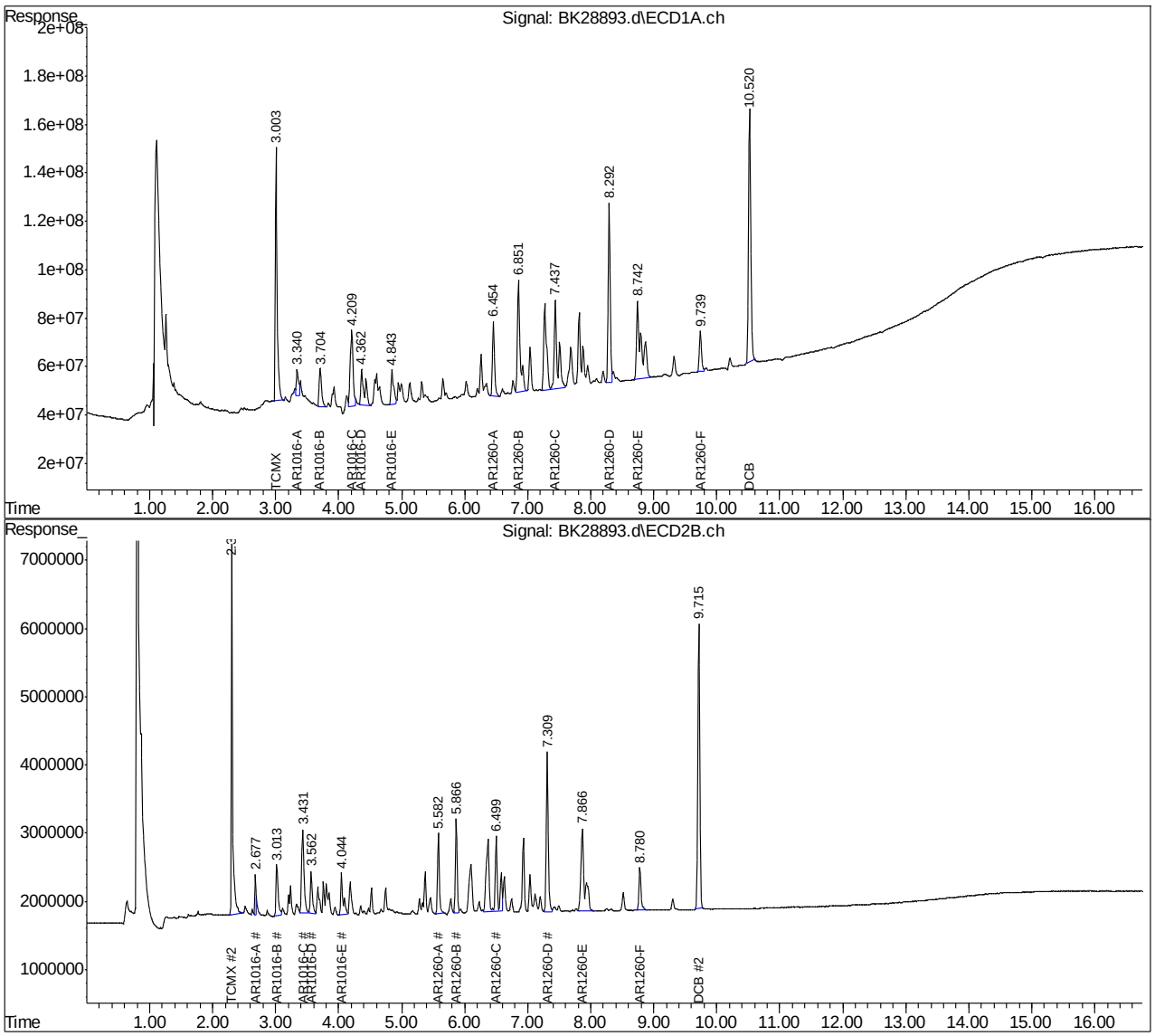
11.5.6
11

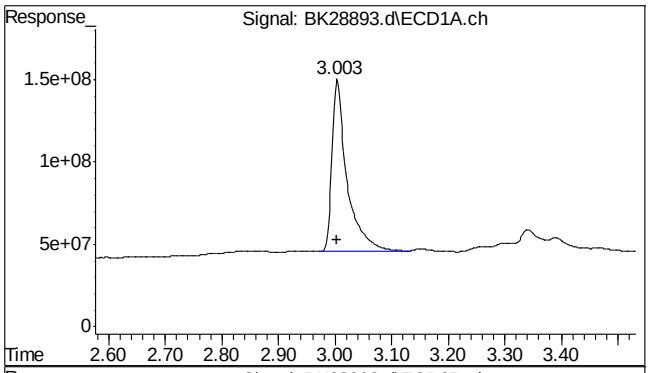
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28893.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 5:35 pm
Operator : nickk
Sample : ic979-50,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 07:59:24 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 17:45:54 2013
Response via : Initial Calibration
Integrator: ChemStation

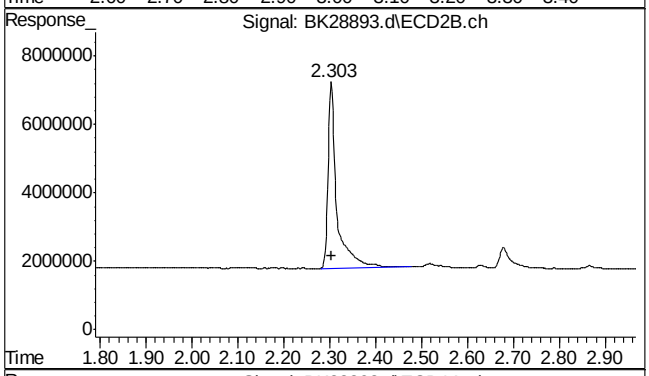
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





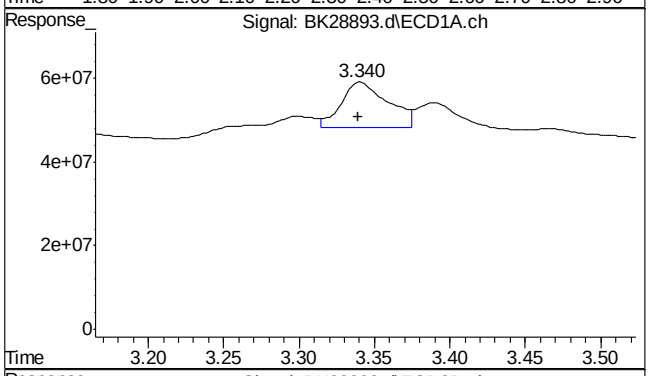
#1 TCMX

R.T.: 3.003 min
Delta R.T.: 0.000 min
Response: 1913136890
Conc: 9.63 ppb m



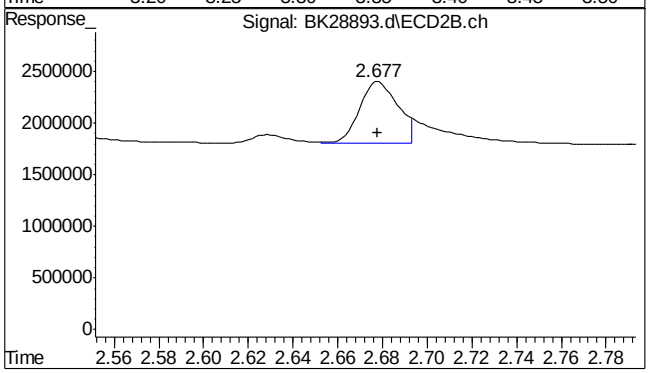
#1 TCMX

R.T.: 2.303 min
Delta R.T.: 0.000 min
Response: 72623561
Conc: 9.68 ppb m



#2 AR1016-A

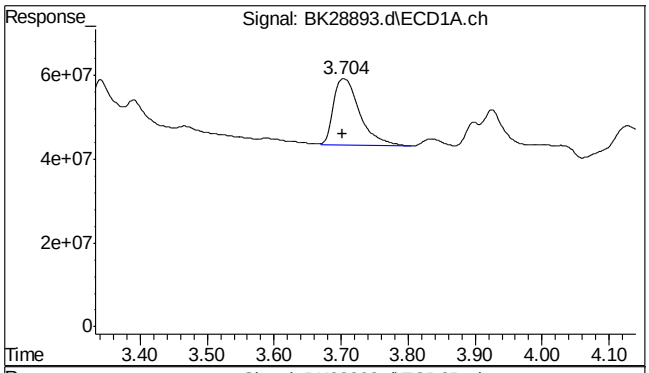
R.T.: 3.340 min
Delta R.T.: 0.000 min
Response: 235340645
Conc: 50.55 ppb m



#2 AR1016-A

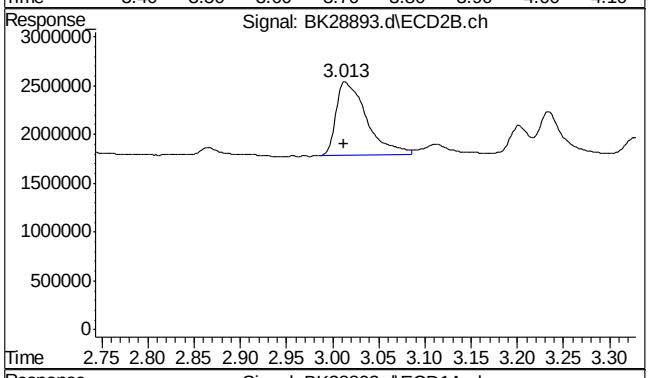
R.T.: 2.677 min
Delta R.T.: 0.000 min
Response: 7045180
Conc: 51.03 ppb m

11.5.6 11



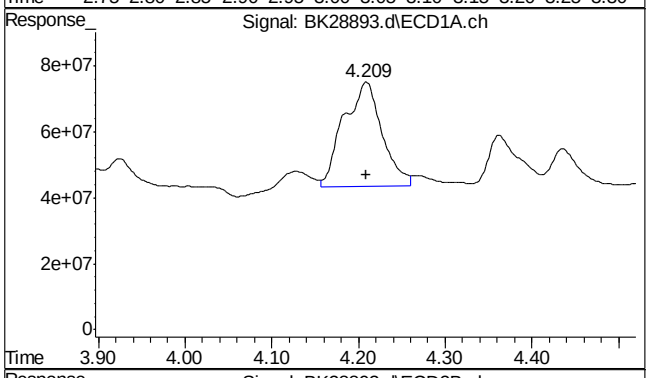
#3 AR1016-B

R.T.: 3.704 min
Delta R.T.: 0.002 min
Response: 424769336
Conc: 55.19 ppb m



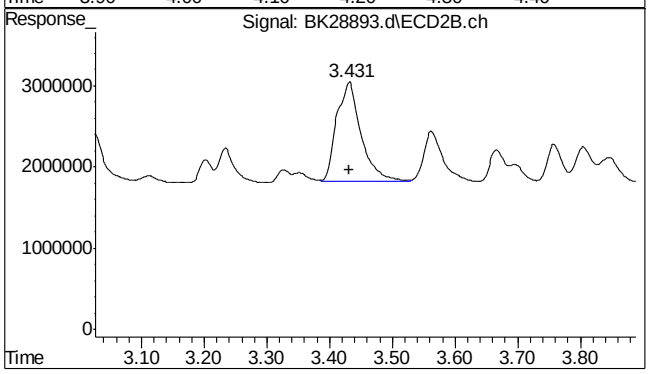
#3 AR1016-B

R.T.: 3.013 min
Delta R.T.: 0.000 min
Response: 17153139
Conc: 59.72 ppb m



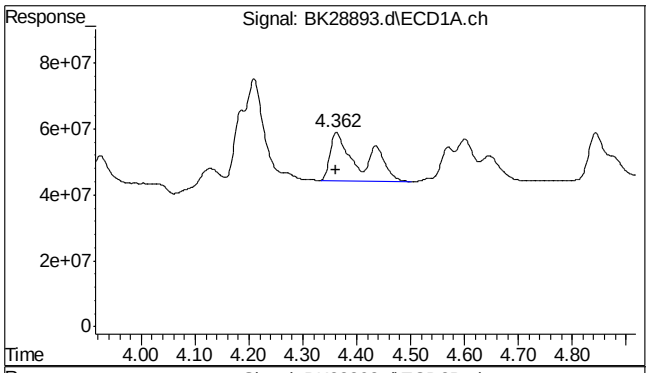
#4 AR1016-C

R.T.: 4.209 min
Delta R.T.: 0.000 min
Response: 975201982
Conc: 56.40 ppb m



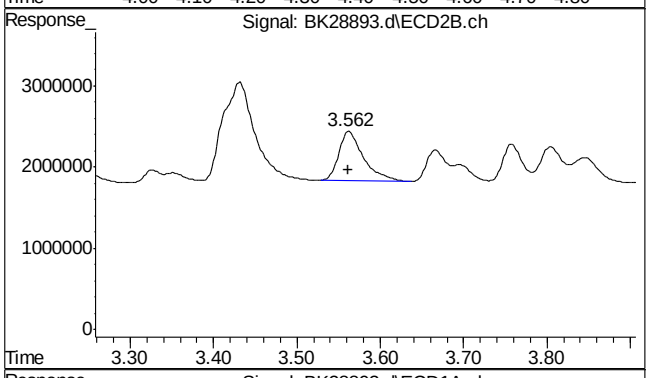
#4 AR1016-C

R.T.: 3.431 min
Delta R.T.: 0.000 min
Response: 33149848
Conc: 60.25 ppb m



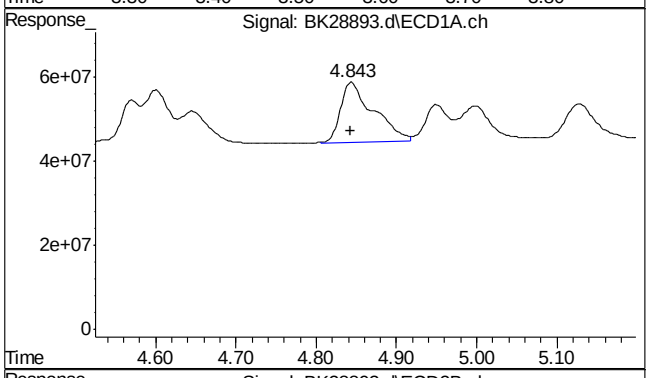
#5 AR1016-D

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 578342750
Conc: 53.63 m



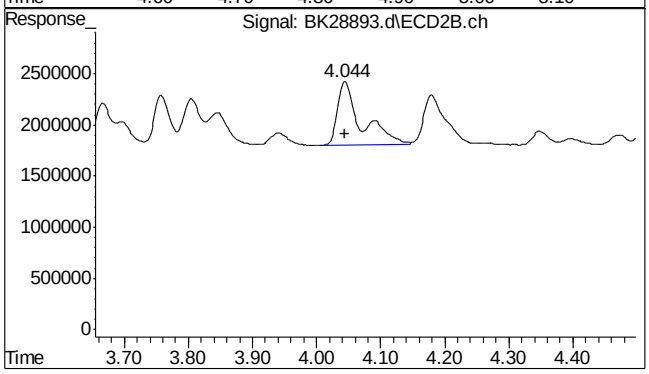
#5 AR1016-D

R.T.: 3.562 min
Delta R.T.: 0.000 min
Response: 12764771
Conc: 59.09 m



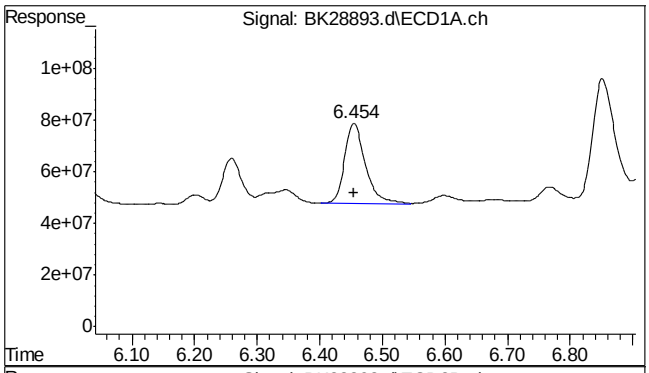
#6 AR1016-E

R.T.: 4.843 min
Delta R.T.: 0.000 min
Response: 407304877
Conc: 57.86 m



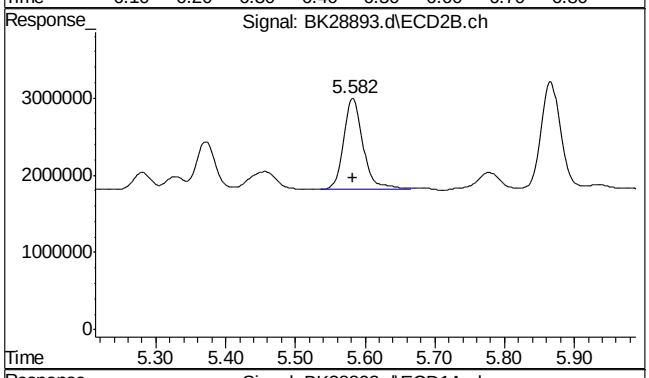
#6 AR1016-E

R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 15828487
Conc: 59.94 m



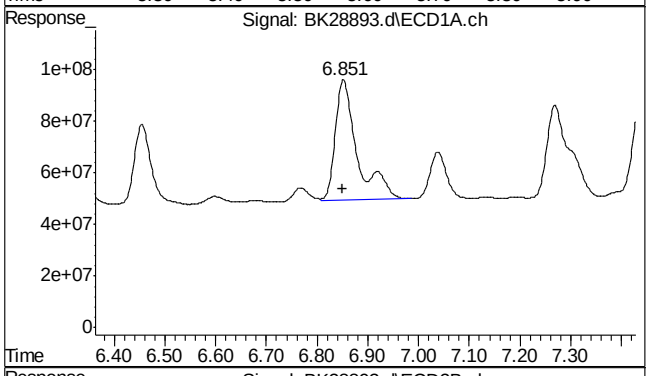
#7 AR1260-A

R.T.: 6.454 min
Delta R.T.: 0.000 min
Response: 707443408
Conc: 59.84 ppb m



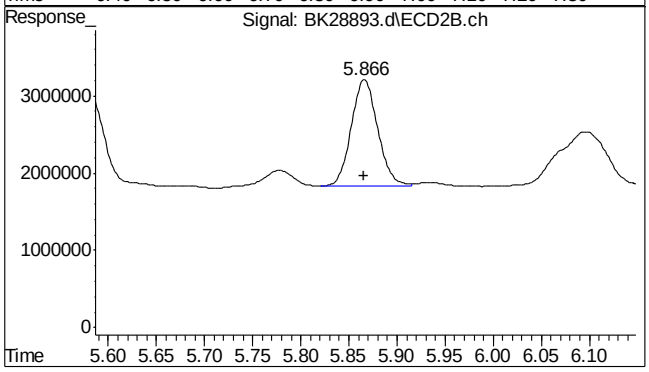
#7 AR1260-A

R.T.: 5.582 min
Delta R.T.: 0.000 min
Response: 22743500
Conc: 60.63 ppb m



#8 AR1260-B

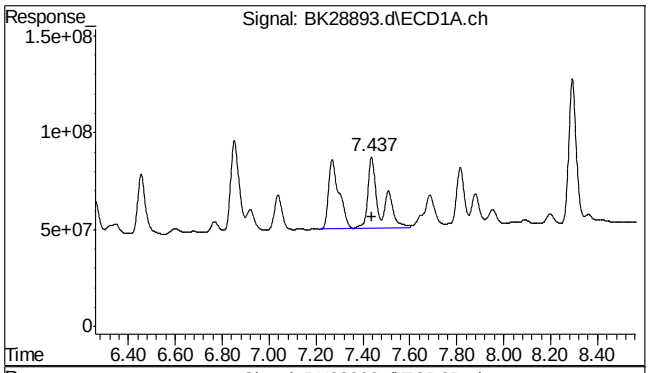
R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 1399909451
Conc: 57.62 ppb m



#8 AR1260-B

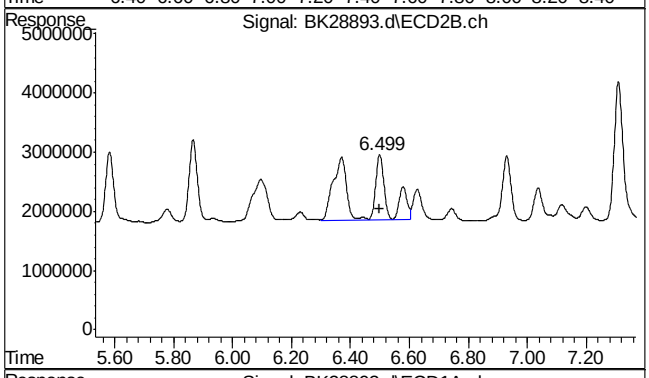
R.T.: 5.866 min
Delta R.T.: 0.000 min
Response: 26496639
Conc: 59.83 ppb m

11.5.6 11



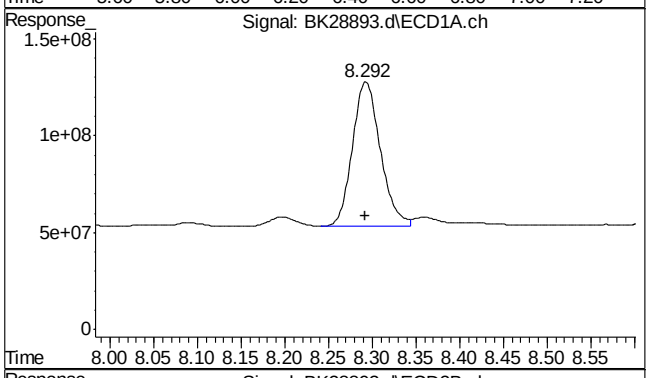
#9 AR1260-C

R.T.: 7.437 min
Delta R.T.: 0.000 min
Response: 2468541797
Conc: 58.32 ppb m



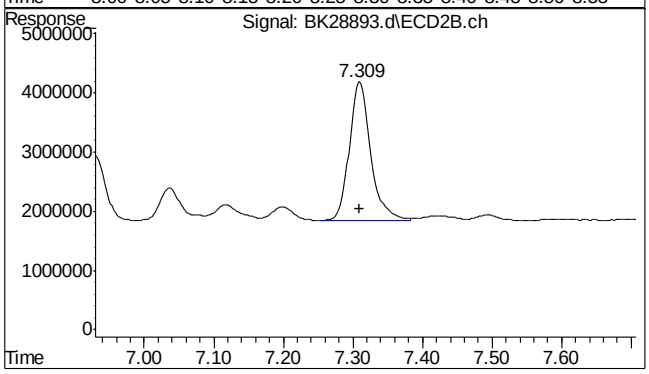
#9 AR1260-C

R.T.: 6.499 min
Delta R.T.: 0.000 min
Response: 66015337
Conc: 57.99 ppb m



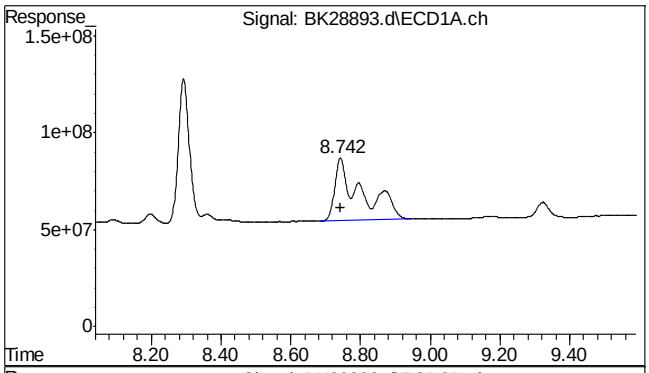
#10 AR1260-D

R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 1660471512
Conc: 54.96 ppb m



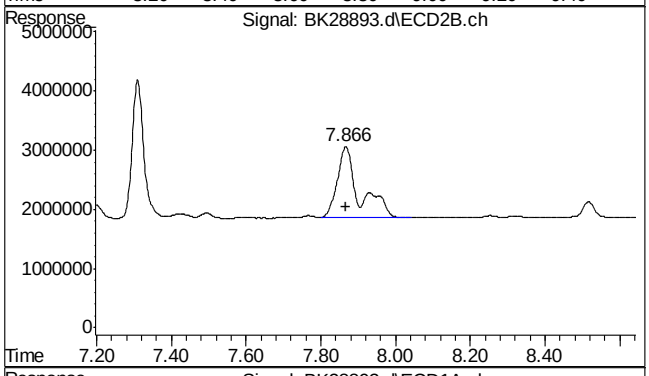
#10 AR1260-D

R.T.: 7.309 min
Delta R.T.: 0.000 min
Response: 49683873
Conc: 57.86 ppb m



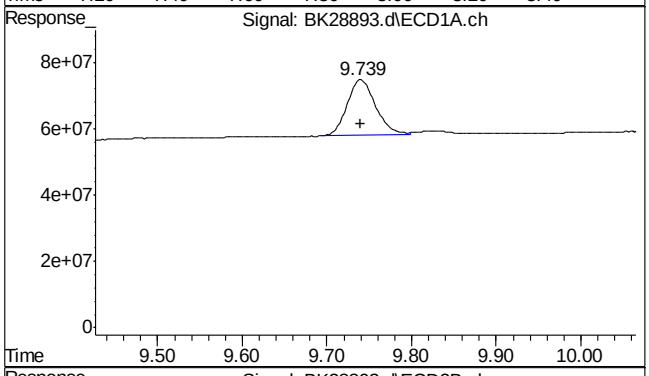
#11 AR1260-E

R.T.: 8.742 min
Delta R.T.: 0.000 min
Response: 1663926454
Conc: 58.50 ppb m



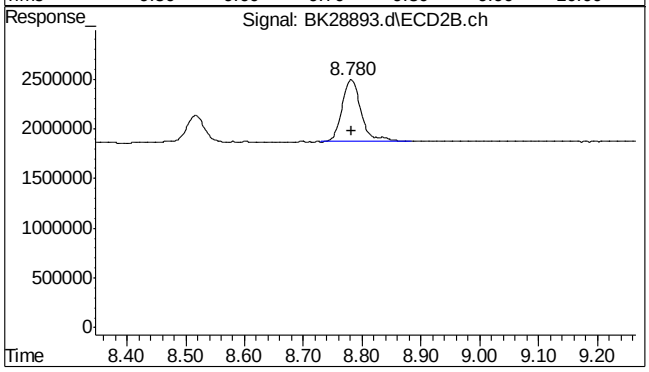
#11 AR1260-E

R.T.: 7.866 min
Delta R.T.: -0.002 min
Response: 48898362
Conc: 59.07 ppb m



#12 AR1260-F

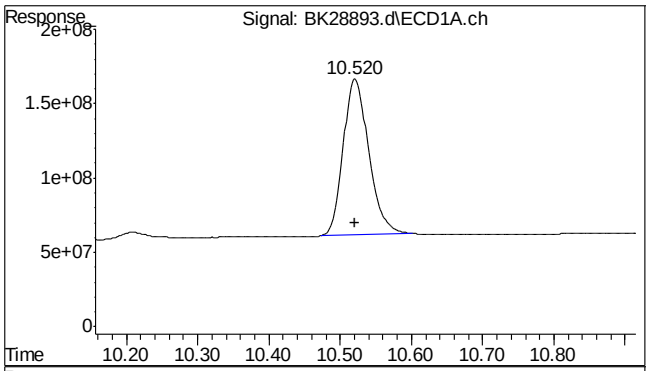
R.T.: 9.739 min
Delta R.T.: 0.000 min
Response: 391071387
Conc: 55.13 m



#12 AR1260-F

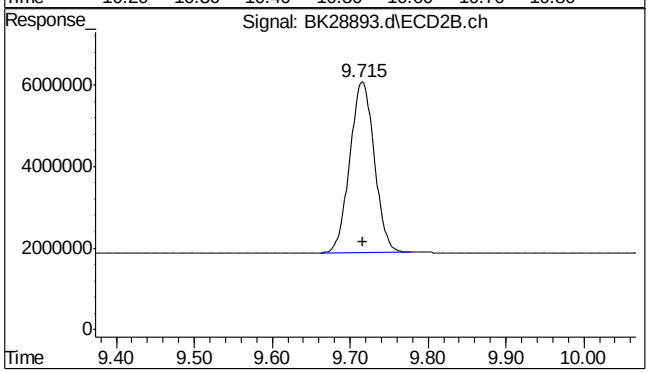
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 14125177
Conc: 59.47 m

11.5.6
11



#13 DCB

R.T.: 10.520 min
Delta R.T.: 0.000 min
Response: 2600455497
Conc: 10.92 ppb m



#13 DCB

R.T.: 9.715 min
Delta R.T.: 0.000 min
Response: 91057942
Conc: 11.17 ppb m

11.5.6
11

BK28894.D

Manual Integrations APPROVED (compounds with "m" flag)

Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28894.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 5:54 pm
Operator : nickk
Sample : ic979-500,a21/54
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:08:28 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:05:04 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.003	2.302	9480.6E6	362.1E6	45.383m	45.991
	Spiked Amount 40.000			Recovery	=	113.46%	114.98%
13) s	DCB	10.523	9.717	9662.7E6	336.0E6	38.939	39.192
	Spiked Amount 40.000			Recovery	=	97.35%	97.98%
	Target Compounds						
14)	AR1221-A	2.506f	1.975f	1016.2E6	26852099	513.768m	651.401m#
15)	AR1221-B	3.151f	2.517f	1188.9E6	40626719	487.008m	670.442m#
16)	AR1221-C	3.339f	2.676f	3305.7E6	110.1E6	476.386m	720.317m#
32)	AR1254-A	5.319f	4.518f	9148.2E6	245.2E6	556.933m	748.144m#
33)	AR1254-B	5.653f	4.742f	12485.6E6	355.4E6	559.647m	760.037m#
34)	AR1254-C	6.201f	5.326f	18341.4E6	596.4E6	603.840m	784.779m#
35)	AR1254-D	6.593f	5.627f	7507.4E6	350.8E6	662.599m	848.324m#
36)	AR1254-E	7.270f	6.372f	9962.5E6	301.2E6	625.913m	846.816m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

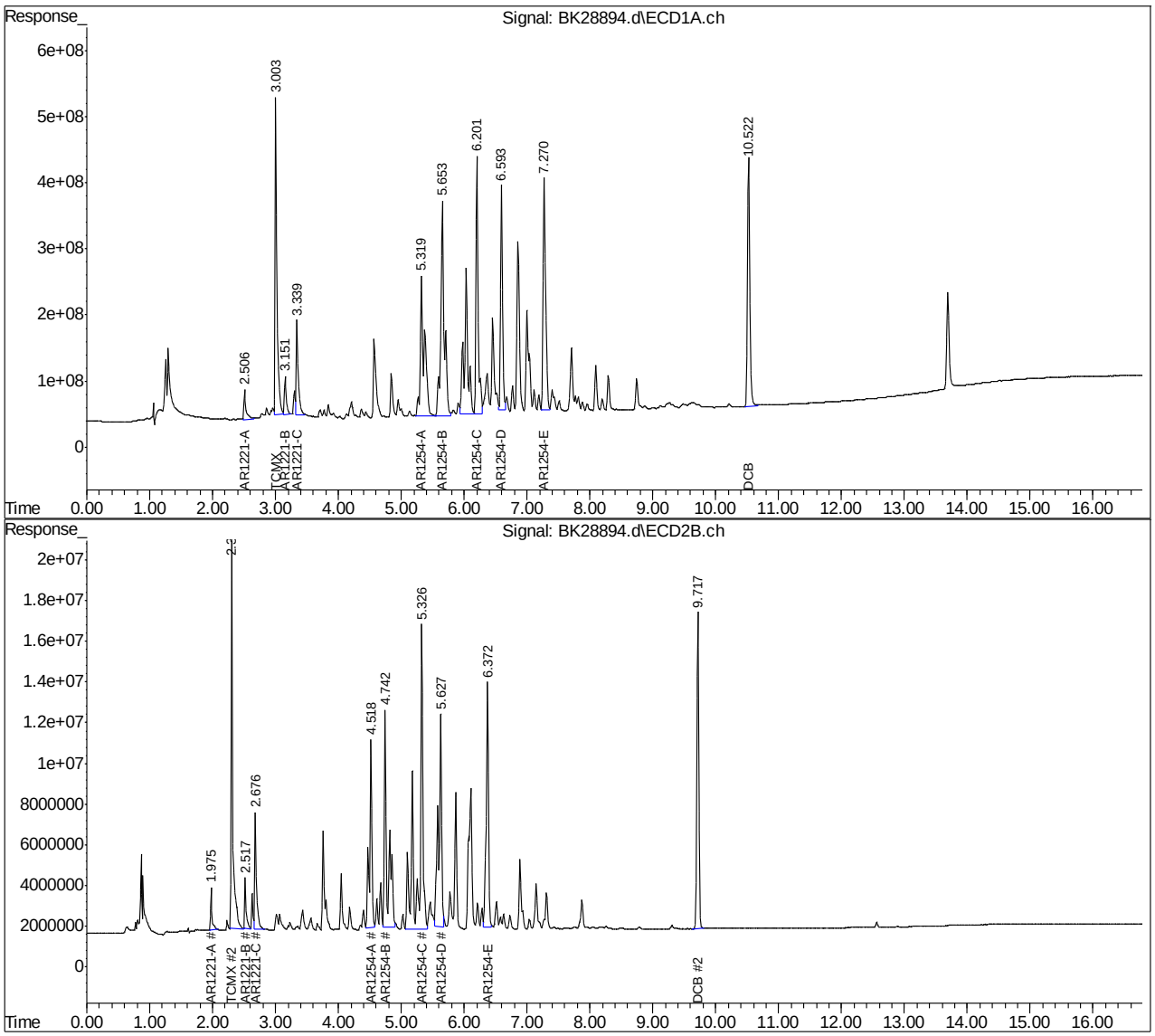
11.5.7 11

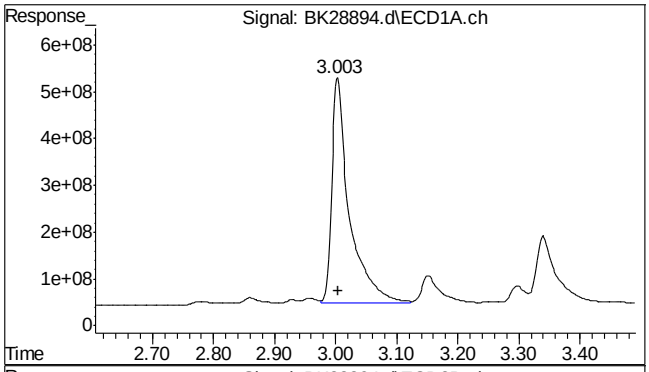
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28894.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 5:54 pm
Operator : nickk
Sample : ic979-500,a21/54
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:08:28 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:05:04 2013
Response via : Initial Calibration
Integrator: ChemStation

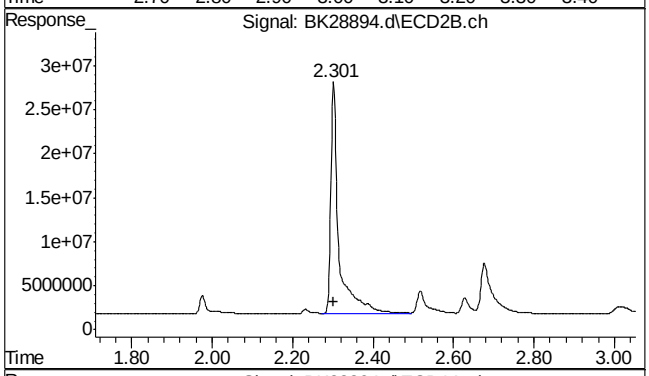
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





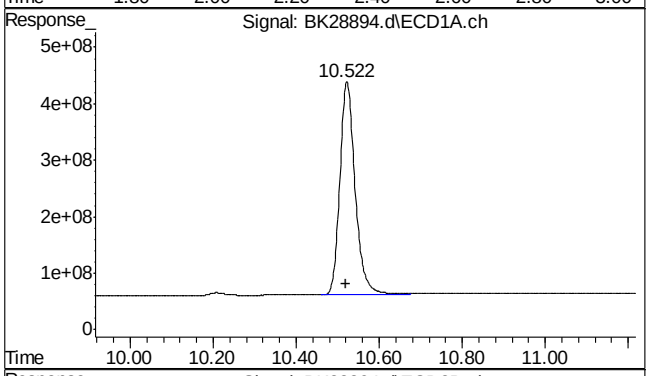
#1 TCMX

R.T.: 3.003 min
Delta R.T.: -0.001 min
Response: 9480568301
Conc: 45.38 ppb m



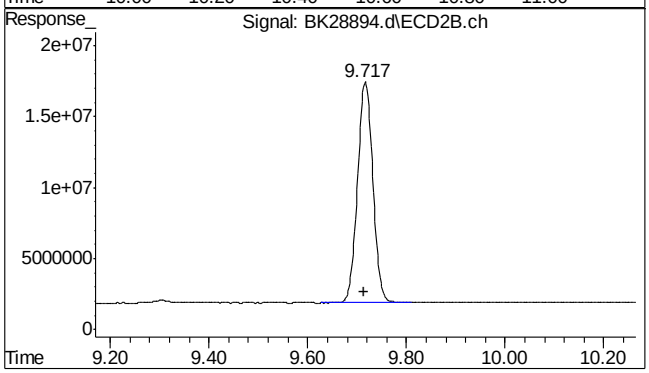
#1 TCMX

R.T.: 2.302 min
Delta R.T.: -0.001 min
Response: 362148147
Conc: 45.99 ppb



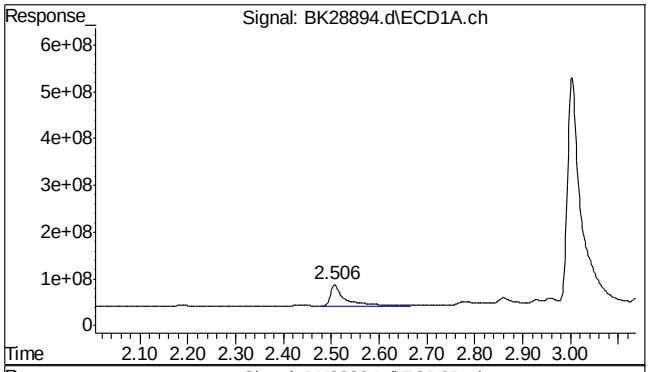
#13 DCB

R.T.: 10.523 min
Delta R.T.: 0.003 min
Response: 9662749298
Conc: 38.94 ppb



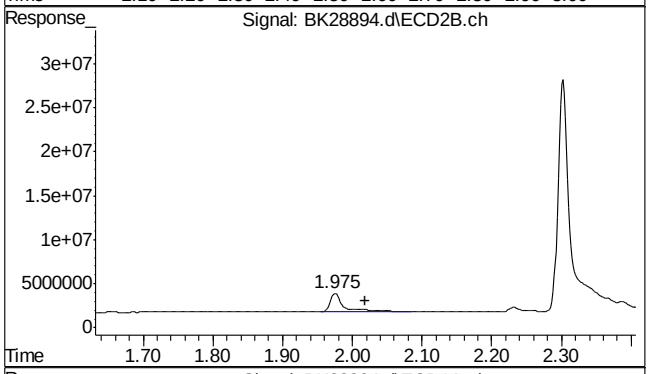
#13 DCB

R.T.: 9.717 min
Delta R.T.: 0.002 min
Response: 335951125
Conc: 39.19 ppb



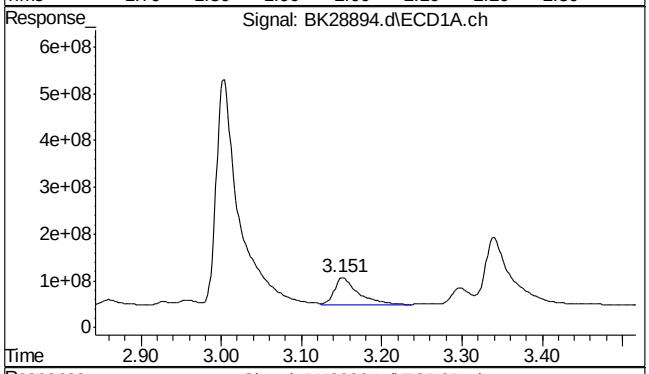
#14 AR1221-A

R.T.: 2.506 min
Delta R.T.: 0.530 min
Response: 1016196635
Conc: 513.77 ppb m



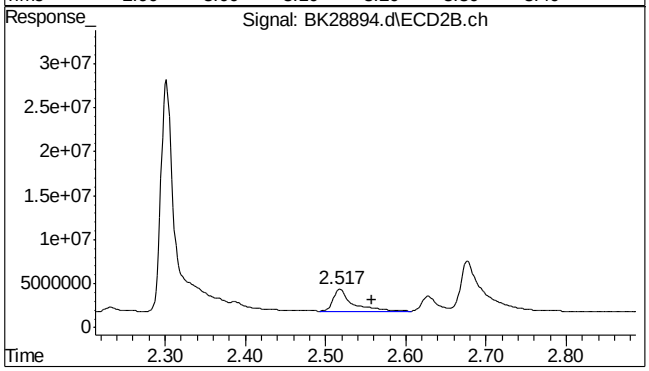
#14 AR1221-A

R.T.: 1.975 min
Delta R.T.: -0.044 min
Response: 26852099
Conc: 651.40 ppb m



#15 AR1221-B

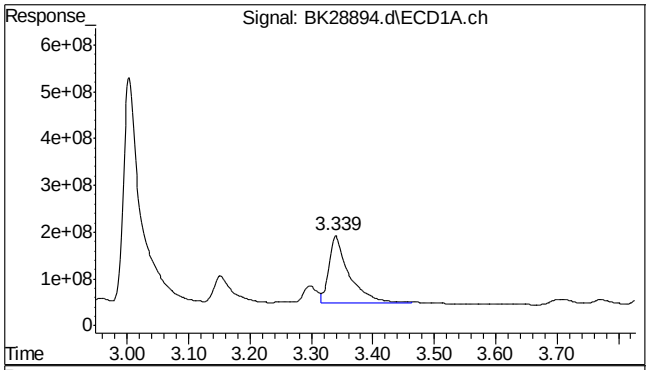
R.T.: 3.151 min
Delta R.T.: 0.674 min
Response: 1188910770
Conc: 487.01 ppb m



#15 AR1221-B

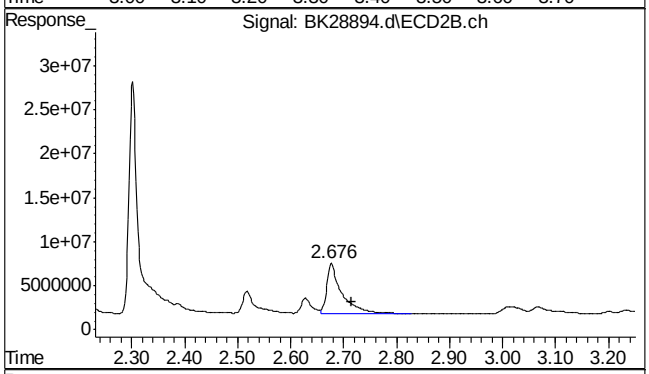
R.T.: 2.517 min
Delta R.T.: -0.041 min
Response: 40626719
Conc: 670.44 ppb m

11.5.7 11



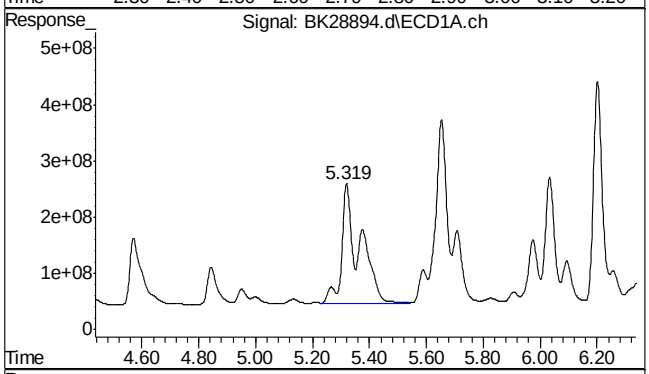
#16 AR1221-C

R.T.: 3.339 min
Delta R.T.: 0.715 min
Response: 3305747896
Conc: 476.39 ppb m



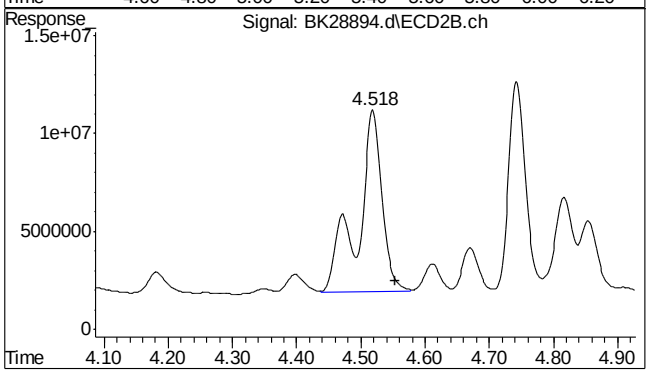
#16 AR1221-C

R.T.: 2.676 min
Delta R.T.: -0.040 min
Response: 110127152
Conc: 720.32 ppb m



#32 AR1254-A

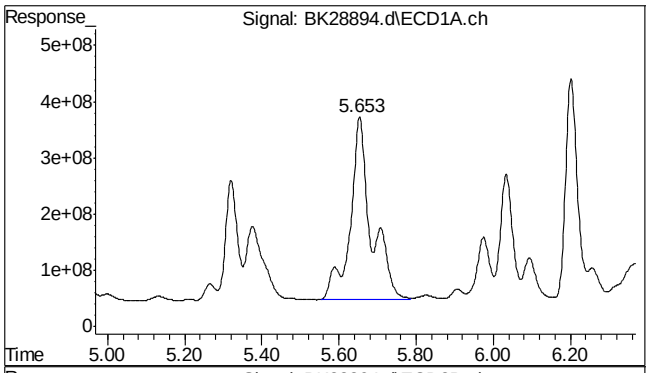
R.T.: 5.319 min
Delta R.T.: 1.073 min
Response: 9148204850
Conc: 556.93 ppb m



#32 AR1254-A

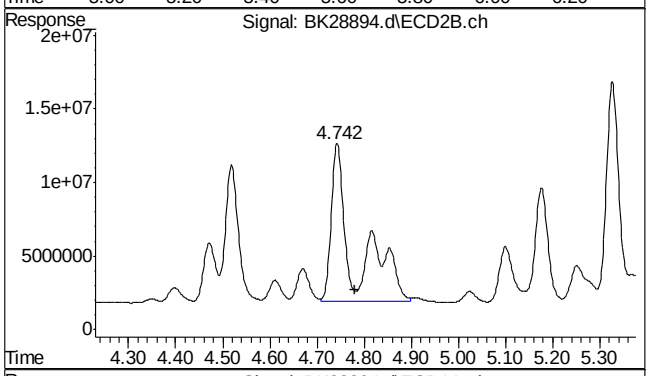
R.T.: 4.518 min
Delta R.T.: -0.036 min
Response: 245164091
Conc: 748.14 ppb m

11.5.7 11



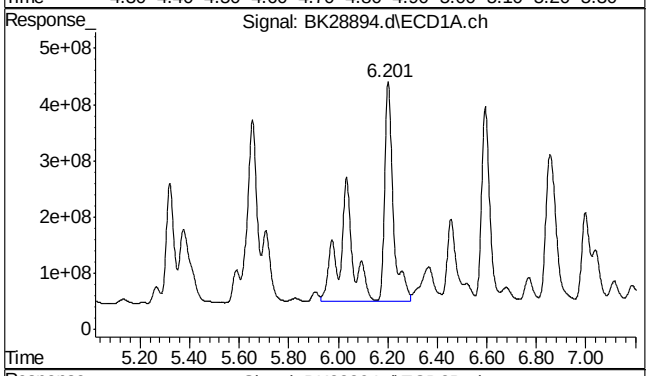
#33 AR1254-B

R.T.: 5.653 min
Delta R.T.: 1.118 min
Response: 12485571958
Conc: 559.65 ppb m



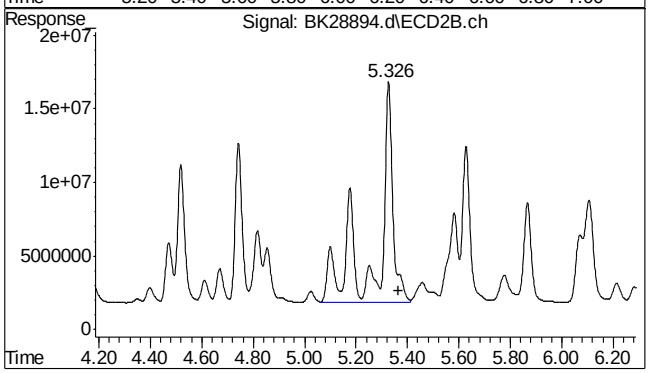
#33 AR1254-B

R.T.: 4.742 min
Delta R.T.: -0.038 min
Response: 355362943
Conc: 760.04 ppb m



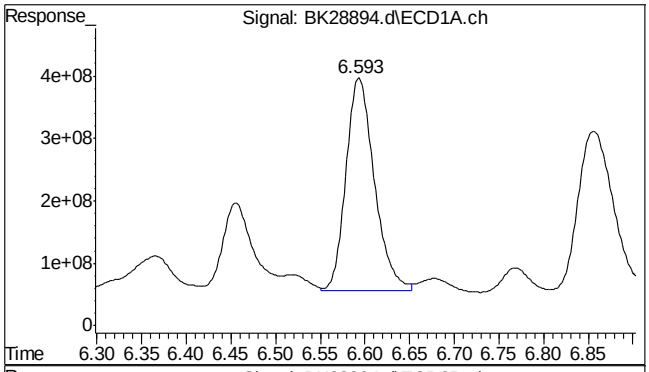
#34 AR1254-C

R.T.: 6.201 min
Delta R.T.: 1.185 min
Response: 18341442615
Conc: 603.84 ppb m



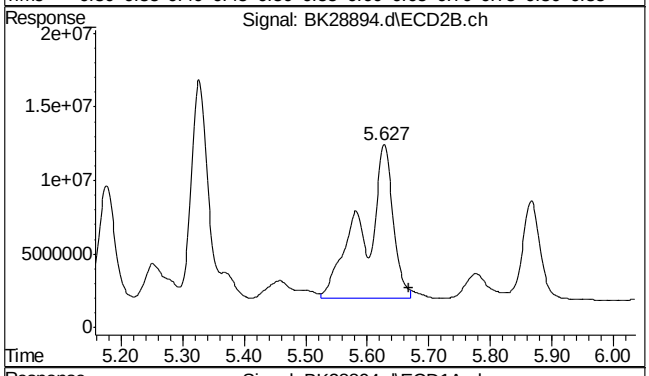
#34 AR1254-C

R.T.: 5.326 min
Delta R.T.: -0.040 min
Response: 596420803
Conc: 784.78 ppb m



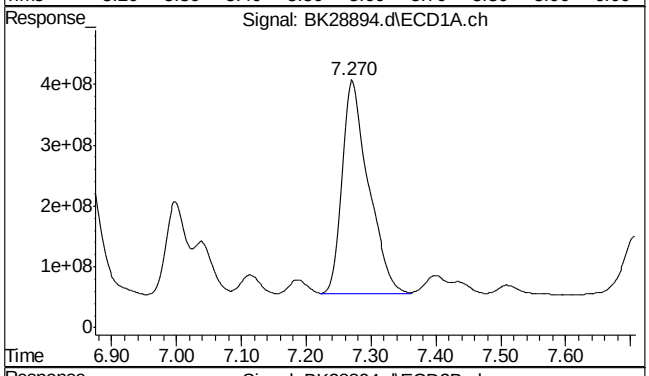
#35 AR1254-D

R.T.: 6.593 min
Delta R.T.: 1.223 min
Response: 7507382150
Conc: 662.60 ppb m



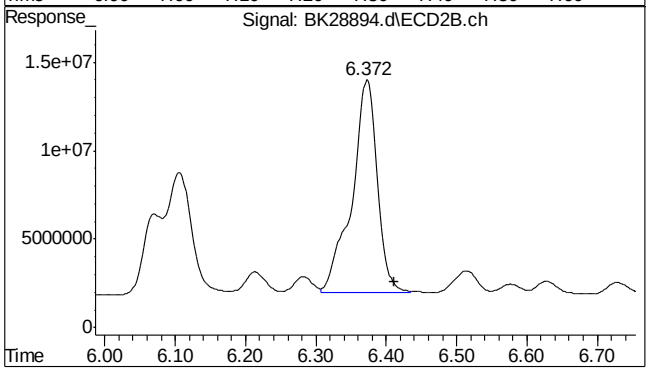
#35 AR1254-D

R.T.: 5.627 min
Delta R.T.: -0.041 min
Response: 350849009
Conc: 848.32 ppb m



#36 AR1254-E

R.T.: 7.270 min
Delta R.T.: 1.287 min
Response: 9962514753
Conc: 625.91 ppb m



#36 AR1254-E

R.T.: 6.372 min
Delta R.T.: -0.040 min
Response: 301240584
Conc: 846.82 ppb m

11.5.7 11

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28895.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 6:13 pm
Operator : nickk
Sample : ic979-500,a32/62
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:20:15 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:08:35 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.003	2.301	9002.7E6	320.2E6	43.667	41.144
	Spiked Amount 40.000			Recovery	=	109.17%	102.86%
13) s	DCB	10.522	9.718	9860.3E6	339.1E6	40.787	40.644
	Spiked Amount 40.000			Recovery	=	101.97%	101.61%
	Target Compounds						
17)	AR1232-A	3.338f	2.676f	2329.8E6	69881807	702.060m	687.982m
18)	AR1232-B	3.704f	3.012f	1753.0E6	68997473	478.223m	646.129m#
19)	AR1232-C	4.208f	3.431f	4168.3E6	120.2E6	637.320m	715.174m
20)	AR1232-D	4.598f	3.757f	2077.5E6	76063955	457.977m	654.064m#
21)	AR1232-E	5.411f	4.524f	3460.7E6	123.9E6	567.916m	698.369m
37)	AR1262-A	6.455f	5.584f	3998.5E6	137.4E6	472.067m	667.506m#
38)	AR1262-B	6.852f	5.867f	8844.3E6	146.9E6	495.021m	694.508m#
39)	AR1262-C	7.438f	6.501f	18249.2E6	479.0E6	484.276m	675.469m#
40)	AR1262-D	8.795f	7.862f	16789.9E6	501.3E6	472.374m	694.842m#
41)	AR1262-E	9.741f	8.783f	4814.9E6	164.0E6	497.662m	725.345m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

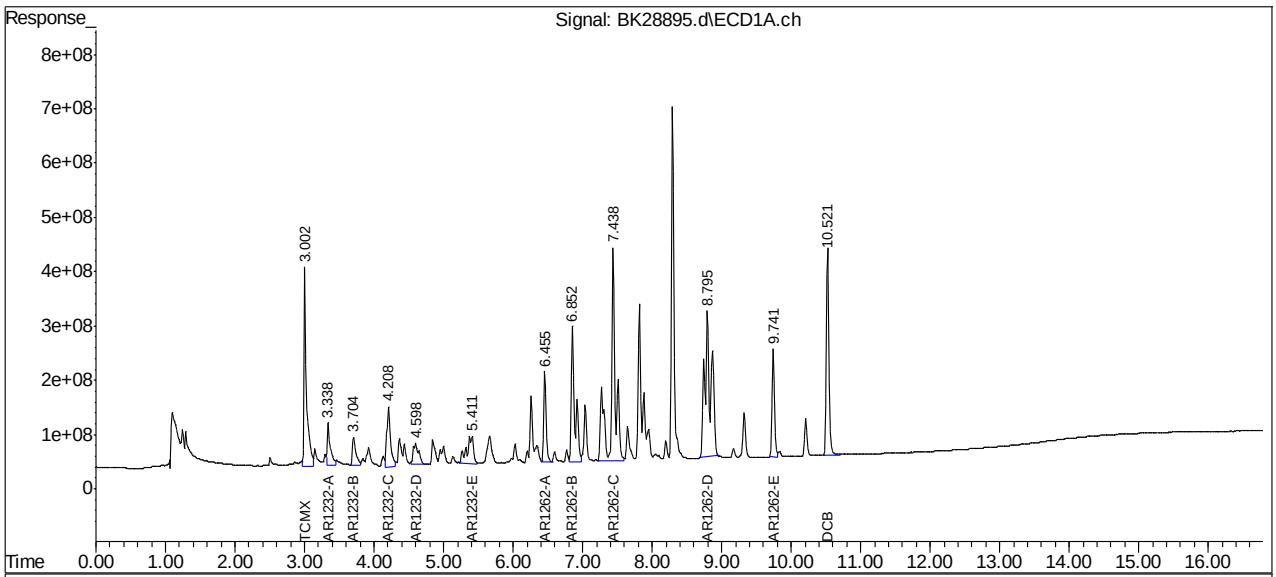
11.5.8
11

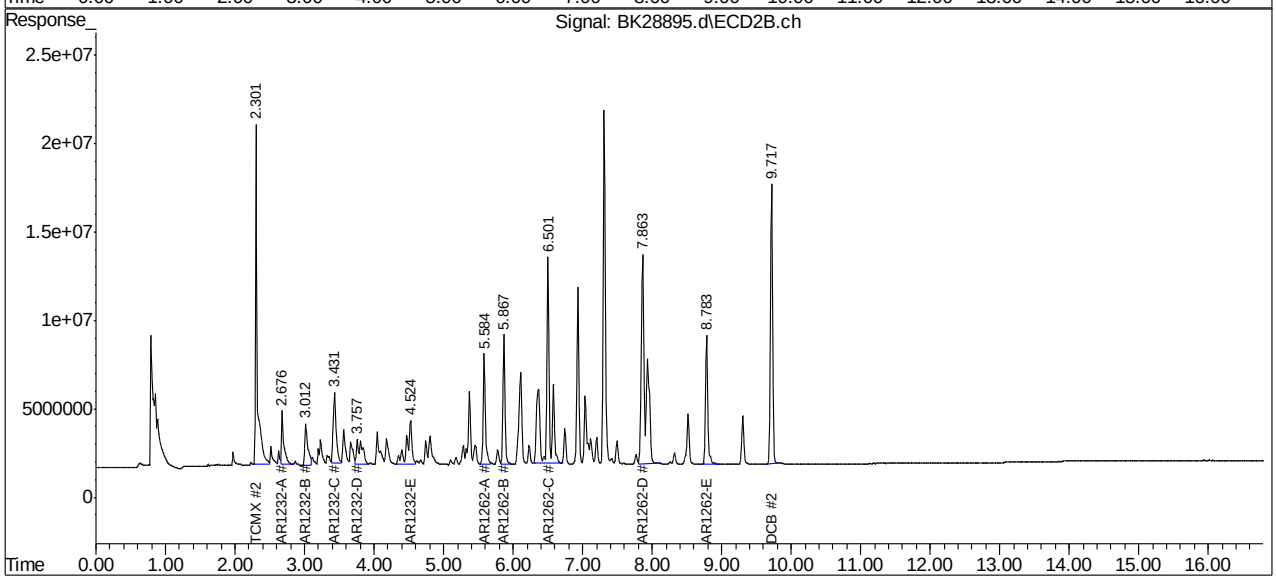
Quantitation Report (QT Reviewed)

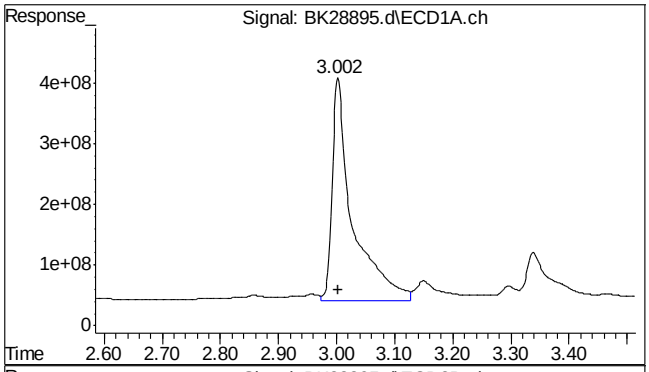
Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28895.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 6:13 pm
Operator : nickk
Sample : ic979-500,a32/62
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:20:15 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:08:35 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

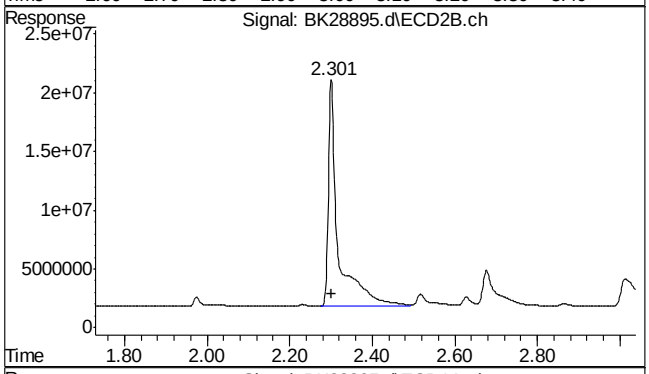






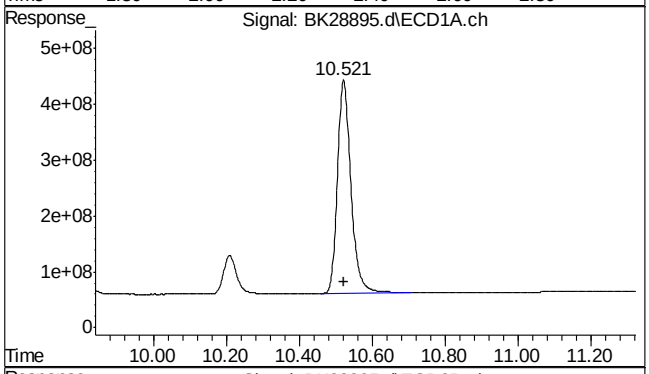
#1 TCMX

R.T.: 3.003 min
Delta R.T.: 0.000 min
Response: 9002728946
Conc: 43.67 ppb



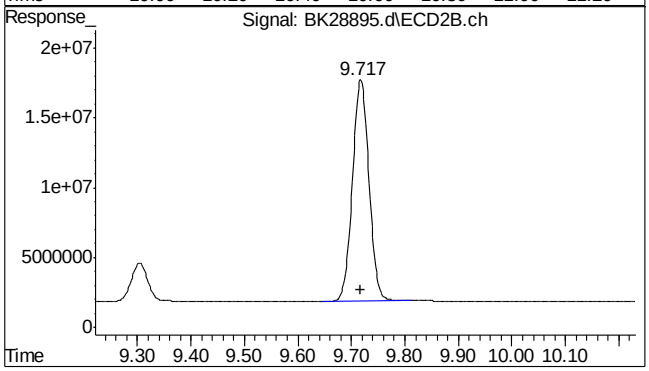
#1 TCMX

R.T.: 2.301 min
Delta R.T.: 0.000 min
Response: 320187221
Conc: 41.14 ppb



#13 DCB

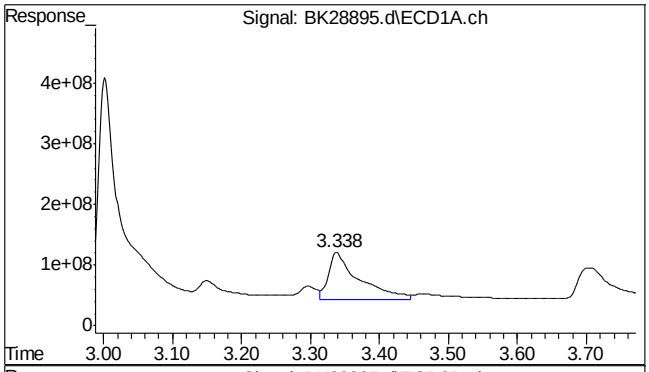
R.T.: 10.522 min
Delta R.T.: 0.000 min
Response: 9860266344
Conc: 40.79 ppb



#13 DCB

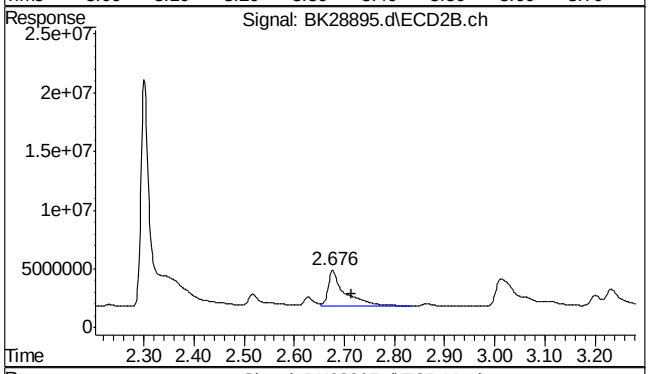
R.T.: 9.718 min
Delta R.T.: 0.000 min
Response: 339109968
Conc: 40.64 ppb

11.5.8 11



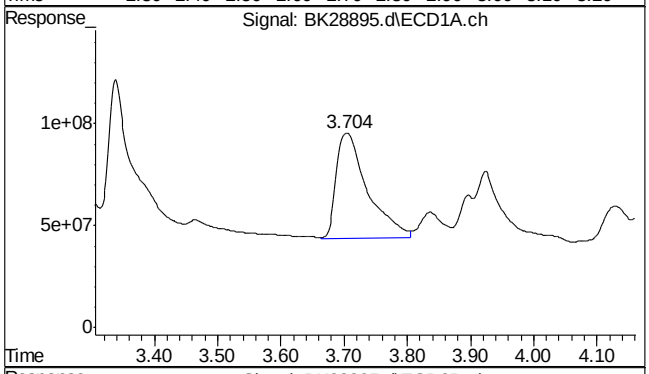
#17 AR1232-A

R.T.: 3.338 min
Delta R.T.: 0.716 min
Response: 2329800076
Conc: 702.06 ppb m



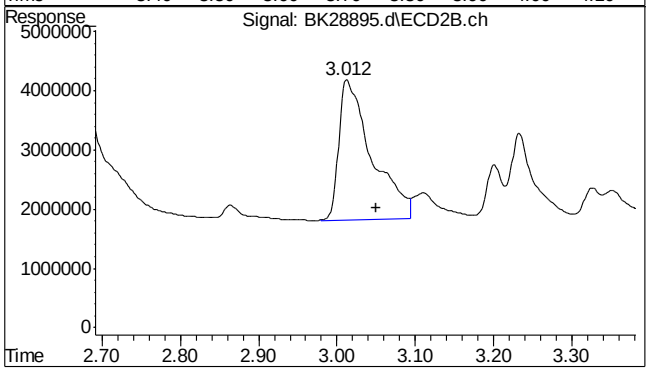
#17 AR1232-A

R.T.: 2.676 min
Delta R.T.: -0.039 min
Response: 69881807
Conc: 687.98 ppb m



#18 AR1232-B

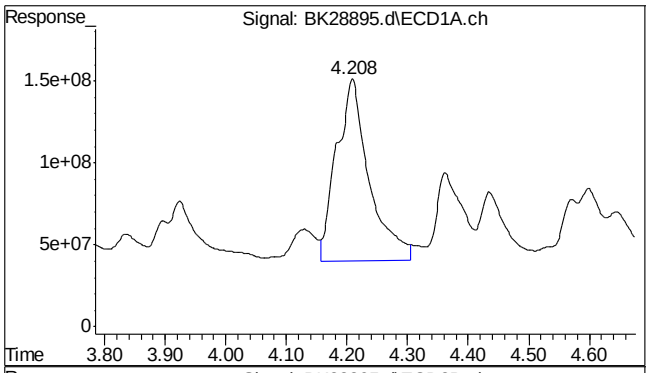
R.T.: 3.704 min
Delta R.T.: 0.794 min
Response: 1752990053
Conc: 478.22 ppb m



#18 AR1232-B

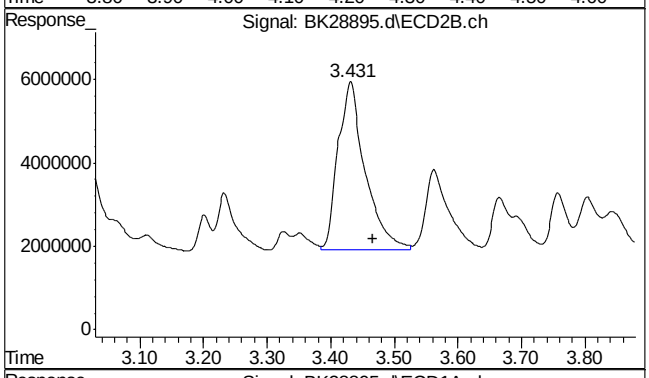
R.T.: 3.012 min
Delta R.T.: -0.038 min
Response: 68997473
Conc: 646.13 ppb m

11.5.8 11



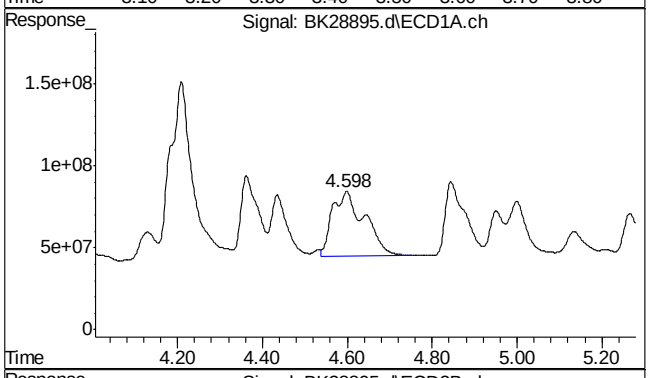
#19 AR1232-C

R.T.: 4.208 min
Delta R.T.: 0.889 min
Response: 4168272852
Conc: 637.32 ppb m



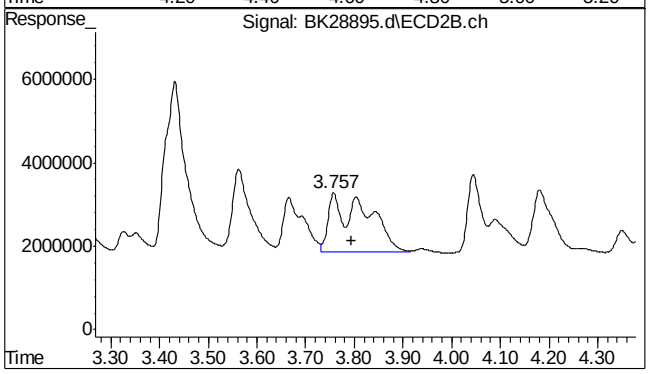
#19 AR1232-C

R.T.: 3.431 min
Delta R.T.: -0.036 min
Response: 120211443
Conc: 715.17 ppb m



#20 AR1232-D

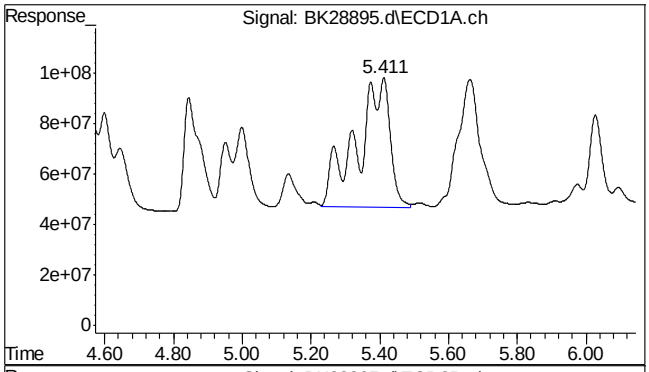
R.T.: 4.598 min
Delta R.T.: 0.961 min
Response: 2077509109
Conc: 457.98 ppb m



#20 AR1232-D

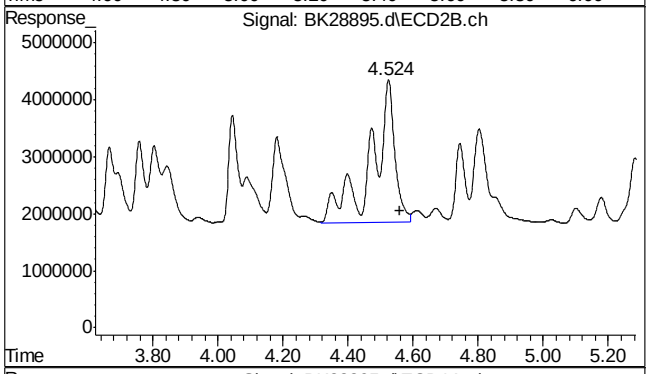
R.T.: 3.757 min
Delta R.T.: -0.037 min
Response: 76063955
Conc: 654.06 ppb m

11.5.8 11



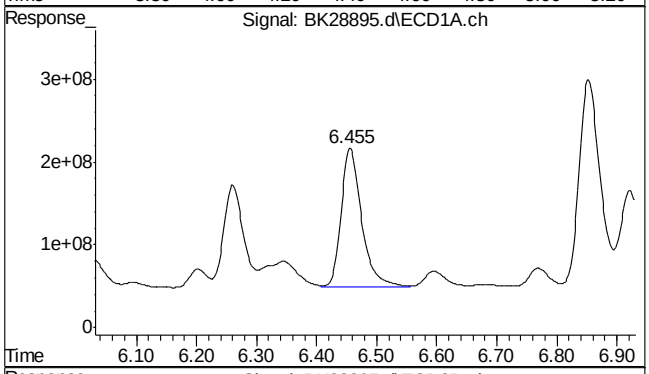
#21 AR1232-E

R.T.: 5.411 min
Delta R.T.: 1.087 min
Response: 3460677768
Conc: 567.92 ppb m



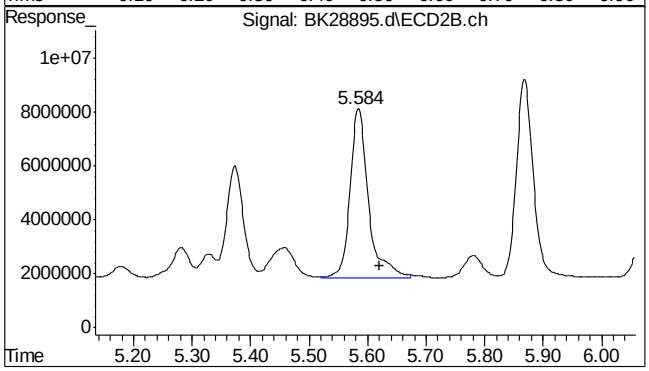
#21 AR1232-E

R.T.: 4.524 min
Delta R.T.: -0.035 min
Response: 123886234
Conc: 698.37 ppb m



#37 AR1262-A

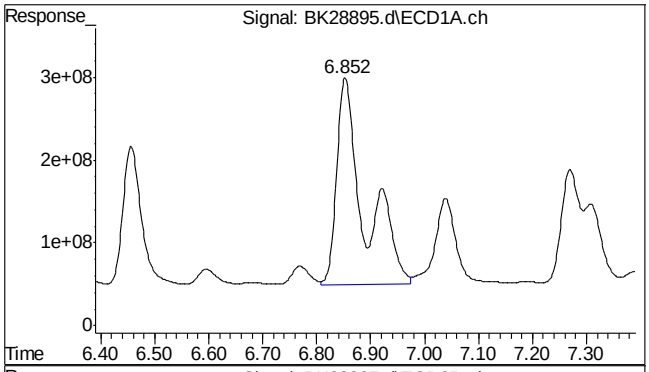
R.T.: 6.455 min
Delta R.T.: 1.211 min
Response: 3998541295
Conc: 472.07 ppb m



#37 AR1262-A

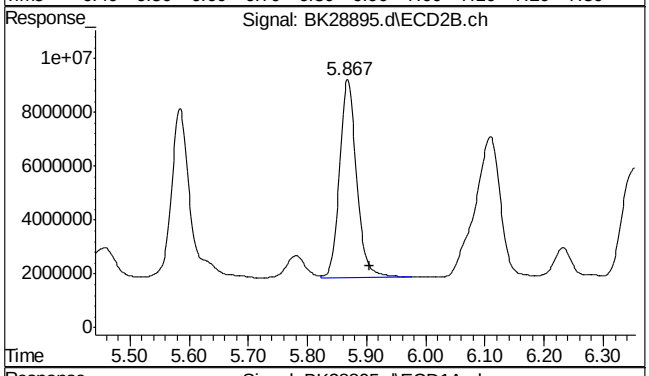
R.T.: 5.584 min
Delta R.T.: -0.038 min
Response: 137445426
Conc: 667.51 ppb m

11.5.8 11



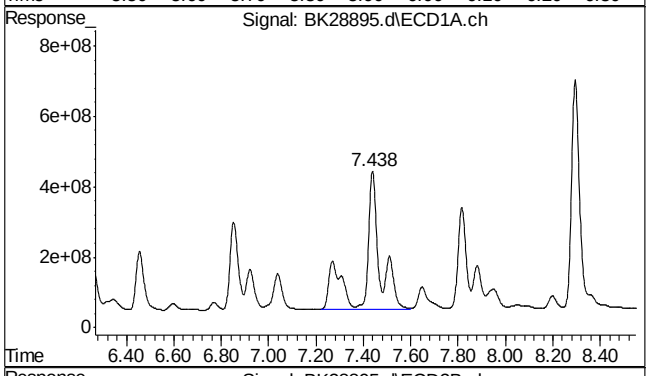
#38 AR1262-B

R.T.: 6.852 min
Delta R.T.: 1.249 min
Response: 8844267808
Conc: 495.02 ppb m



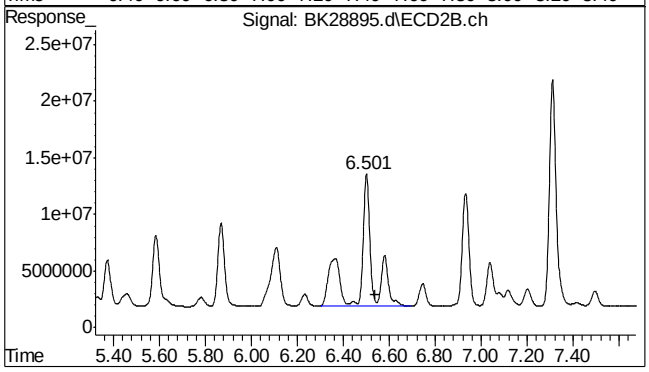
#38 AR1262-B

R.T.: 5.867 min
Delta R.T.: -0.038 min
Response: 146927377
Conc: 694.51 ppb m



#39 AR1262-C

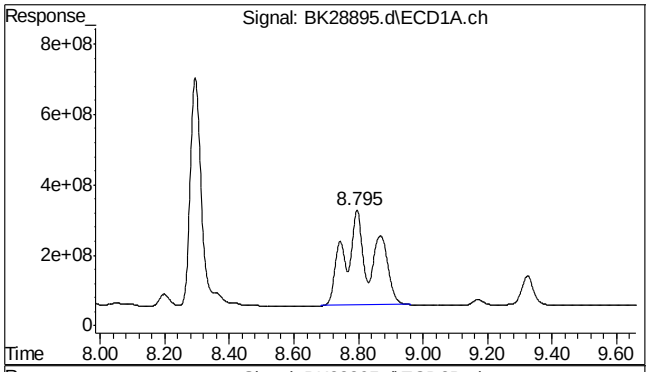
R.T.: 7.438 min
Delta R.T.: 1.300 min
Response: 18249170380
Conc: 484.28 ppb m



#39 AR1262-C

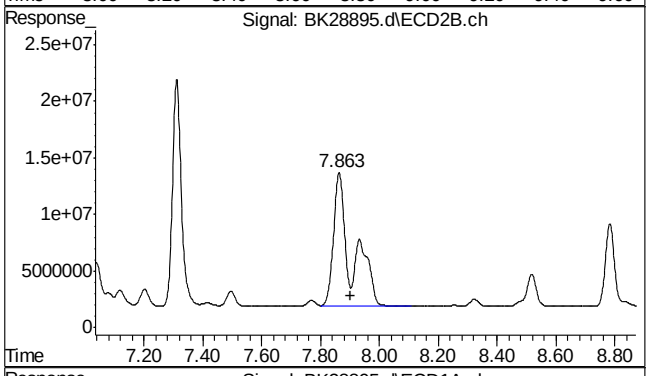
R.T.: 6.501 min
Delta R.T.: -0.039 min
Response: 478999286
Conc: 675.47 ppb m

11.5.8 11



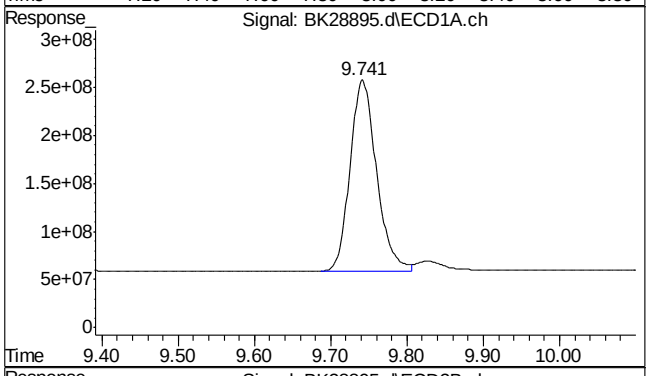
#40 AR1262-D

R.T.: 8.795 min
Delta R.T.: 1.388 min
Response: 16789852308
Conc: 472.37 ppb m



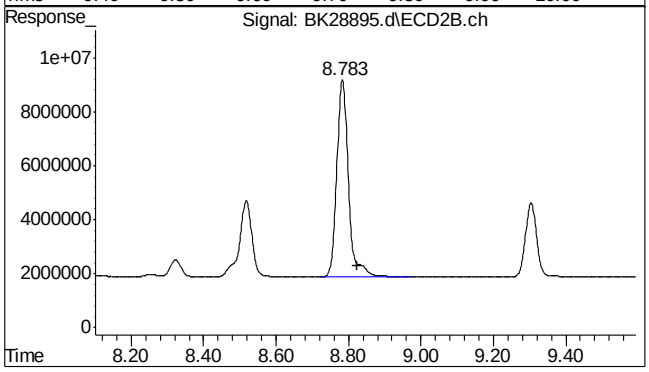
#40 AR1262-D

R.T.: 7.862 min
Delta R.T.: -0.040 min
Response: 501255357
Conc: 694.84 ppb m



#41 AR1262-E

R.T.: 9.741 min
Delta R.T.: 1.435 min
Response: 4814863407
Conc: 497.66 ppb m



#41 AR1262-E

R.T.: 8.783 min
Delta R.T.: -0.042 min
Response: 163994980
Conc: 725.34 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28896.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 6:32 pm
Operator : nickk
Sample : ic979-500,a42/68
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:23:32 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:20:22 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.005	2.304	9195.3E6	341.8E6	44.963m	44.764
	Spiked Amount 40.000			Recovery	= 112.41%	111.91%	
13) s	DCB	10.522	9.717	18109.0E6	631.6E6	74.695	75.606
	Spiked Amount 40.000			Recovery	= 186.74%	189.01%	
	Target Compounds						
22)	AR1242-A	3.340f	2.678f	1495.2E6	47359281	685.769m	676.445m
23)	AR1242-B	3.703f	3.013f	2938.8E6	107.4E6	496.210m	673.346m#
24)	AR1242-C	4.209f	3.431f	5919.1E6	208.2E6	546.862m	777.100m#
25)	AR1242-D	4.599f	3.757f	4056.9E6	143.0E6	484.996m	672.933m#
26)	AR1242-E	5.373f	4.524f	5798.7E6	207.5E6	637.414m	751.142m
42)	AR1268-A	7.437f	6.499f	3584.2E6	91316629	473.801m	697.164m#
43)	AR1268-B	7.806f	6.933f	4971.3E6	132.5E6	485.404m	663.423m#
44)	AR1268-C	8.795f	7.857f	35950.7E6	1090.1E6	494.903m	724.034m#
45)	AR1268-D	9.170f	8.321f	15281.0E6	479.6E6	478.862m	694.762m#
46)	AR1268-E	10.209f	9.302f	39991.8E6	1468.9E6	500.665m	740.608m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

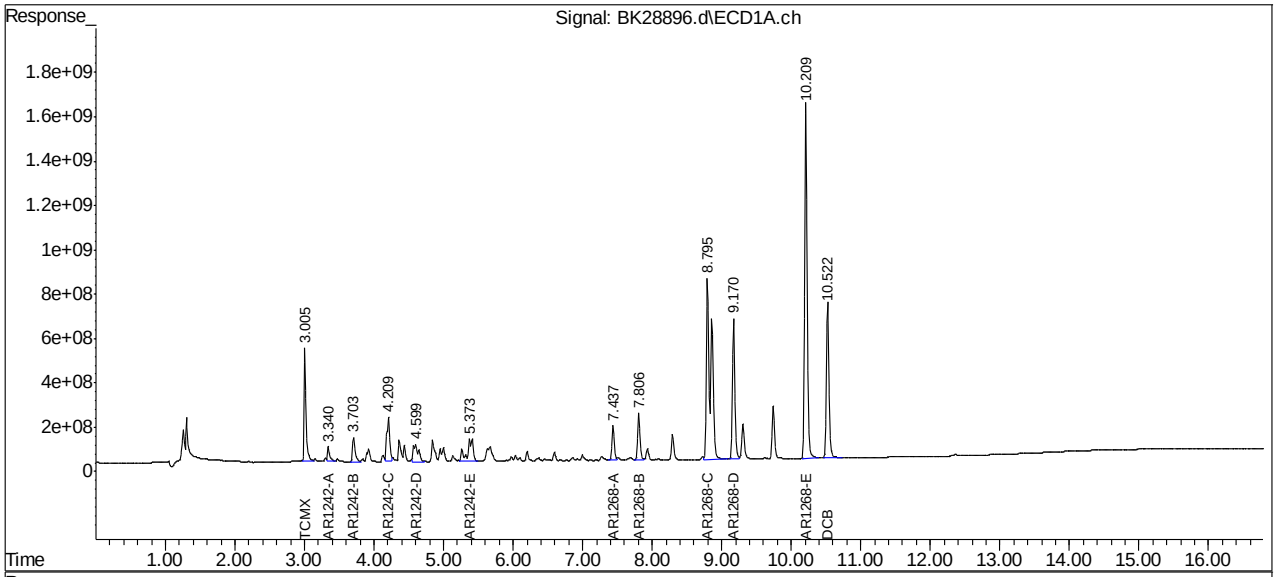
11.5.9 11

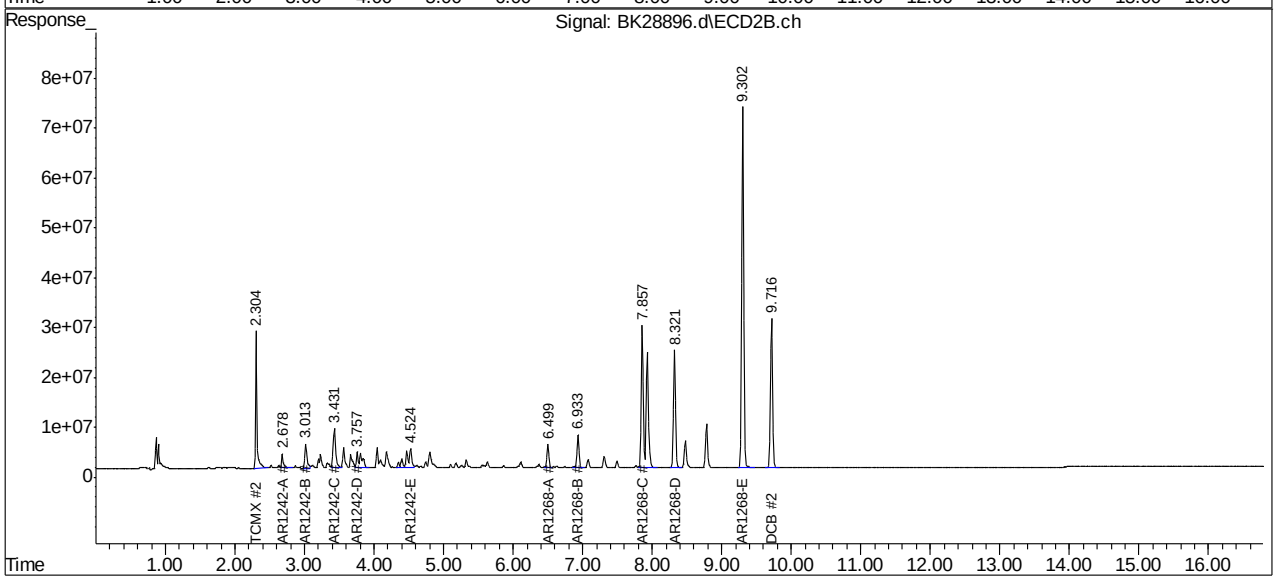
Quantitation Report (QT Reviewed)

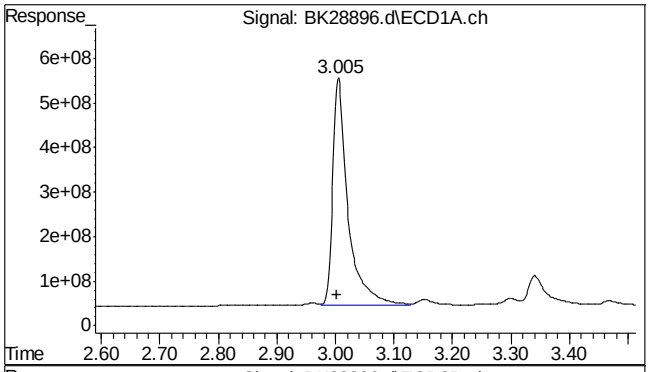
Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28896.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 6:32 pm
Operator : nickk
Sample : ic979-500,a42/68
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:23:32 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:20:22 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

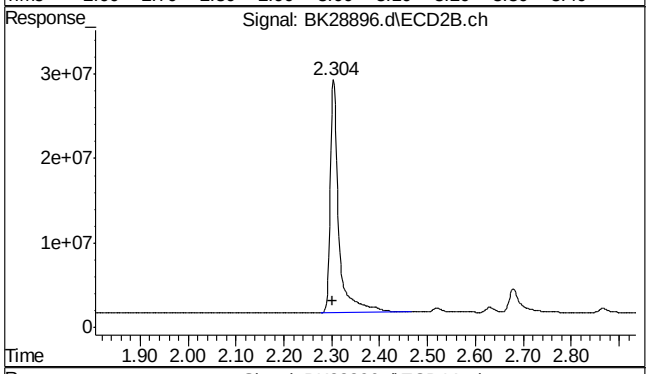






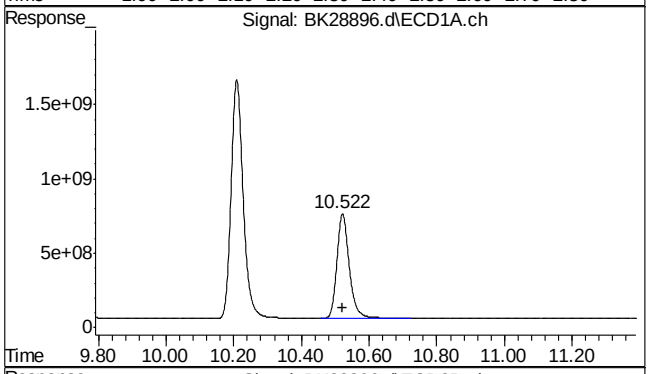
#1 TCMX

R.T.: 3.005 min
Delta R.T.: 0.002 min
Response: 9195266225
Conc: 44.96 ppb m



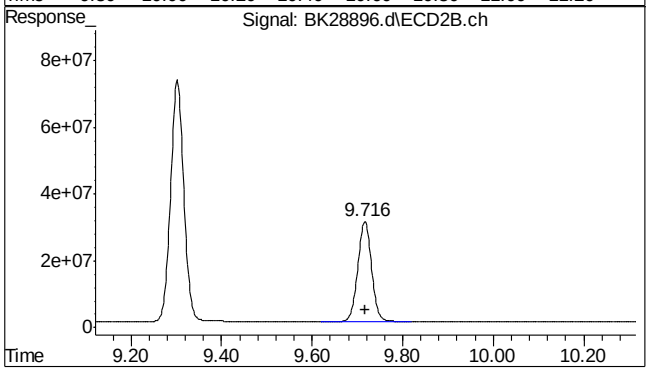
#1 TCMX

R.T.: 2.304 min
Delta R.T.: 0.003 min
Response: 341833902
Conc: 44.76 ppb



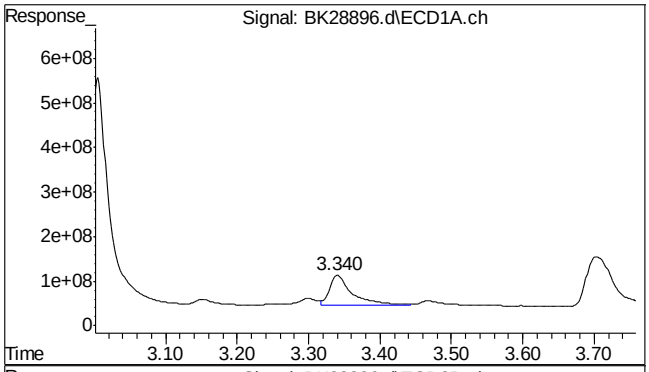
#13 DCB

R.T.: 10.522 min
Delta R.T.: 0.000 min
Response: 18108972326
Conc: 74.70 ppb



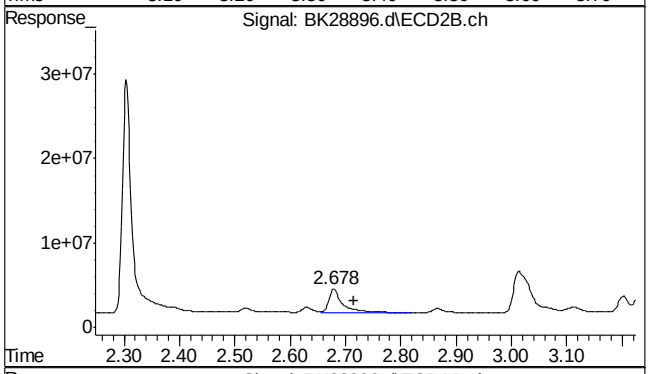
#13 DCB

R.T.: 9.717 min
Delta R.T.: -0.001 min
Response: 631639417
Conc: 75.61 ppb



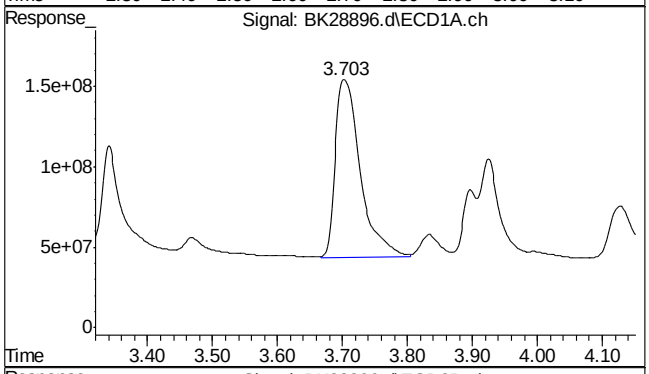
#22 AR1242-A

R.T.: 3.340 min
Delta R.T.: 0.716 min
Response: 1495152458
Conc: 685.77 ppb m



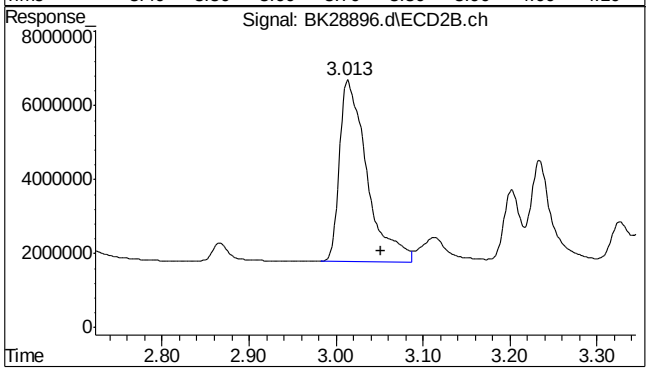
#22 AR1242-A

R.T.: 2.678 min
Delta R.T.: -0.038 min
Response: 47359281
Conc: 676.44 ppb m



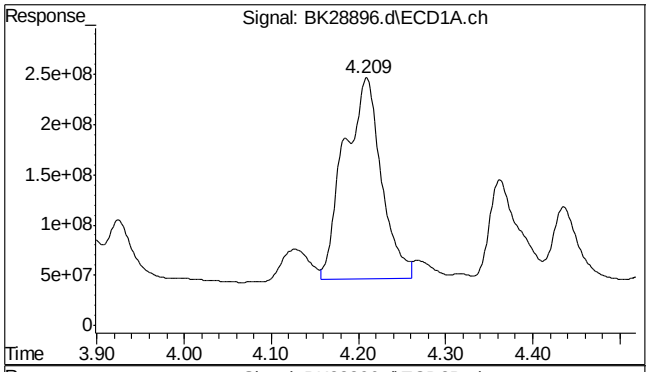
#23 AR1242-B

R.T.: 3.703 min
Delta R.T.: 0.793 min
Response: 2938762381
Conc: 496.21 ppb m



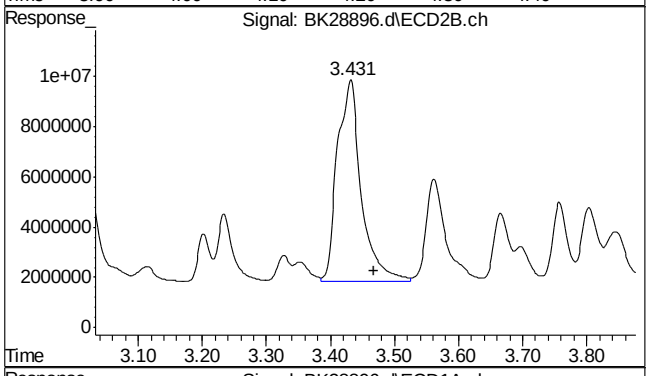
#23 AR1242-B

R.T.: 3.013 min
Delta R.T.: -0.038 min
Response: 107432824
Conc: 673.35 ppb m



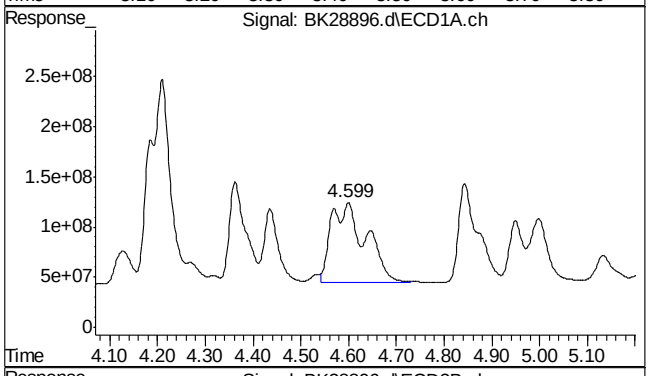
#24 AR1242-C

R.T.: 4.209 min
Delta R.T.: 0.889 min
Response: 5919132912
Conc: 546.86 ppb m



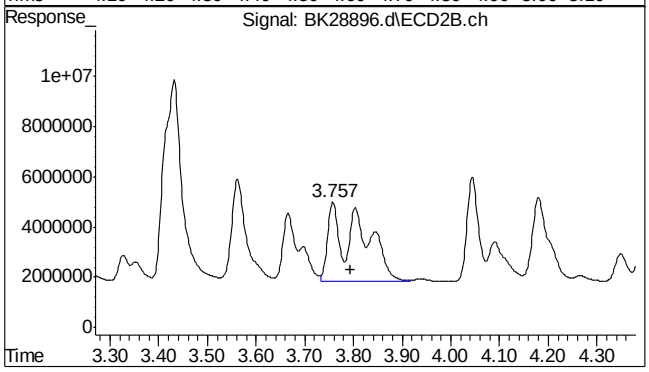
#24 AR1242-C

R.T.: 3.431 min
Delta R.T.: -0.037 min
Response: 208230189
Conc: 777.10 ppb m



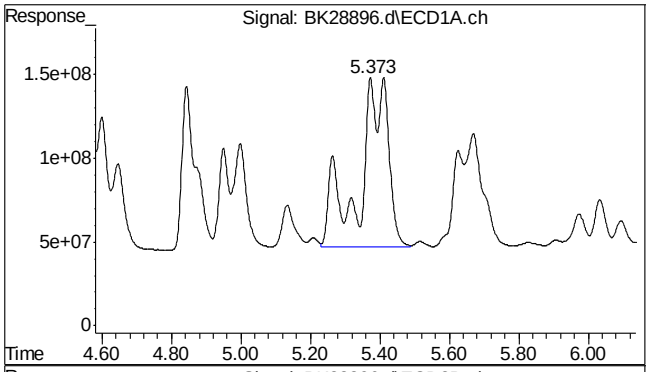
#25 AR1242-D

R.T.: 4.599 min
Delta R.T.: 0.962 min
Response: 4056910869
Conc: 485.00 ppb m



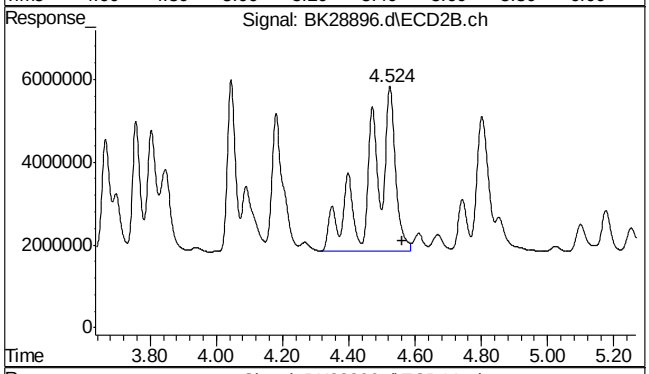
#25 AR1242-D

R.T.: 3.757 min
Delta R.T.: -0.037 min
Response: 142976397
Conc: 672.93 ppb m



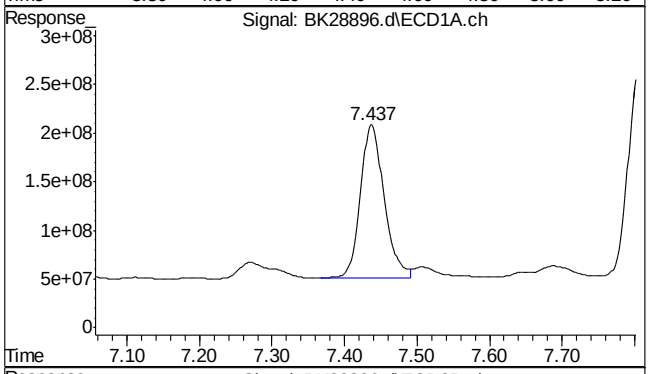
#26 AR1242-E

R.T.: 5.373 min
Delta R.T.: 1.049 min
Response: 5798677063
Conc: 637.41 ppb m



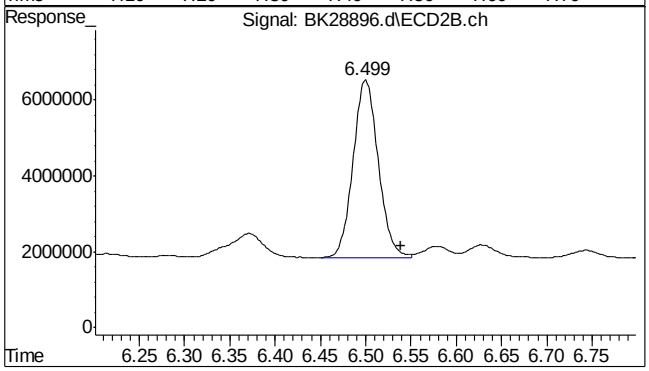
#26 AR1242-E

R.T.: 4.524 min
Delta R.T.: -0.038 min
Response: 207523070
Conc: 751.14 ppb m



#42 AR1268-A

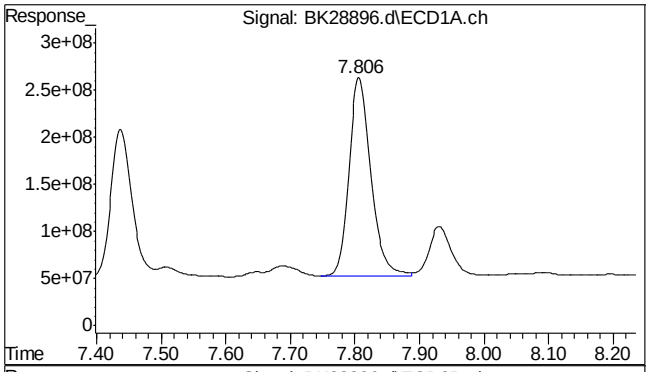
R.T.: 7.437 min
Delta R.T.: 1.298 min
Response: 3584247216
Conc: 473.80 ppb m



#42 AR1268-A

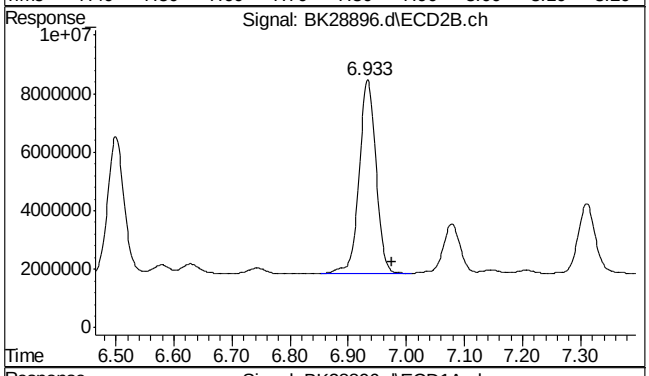
R.T.: 6.499 min
Delta R.T.: -0.040 min
Response: 91316629
Conc: 697.16 ppb m

11.5.9
11



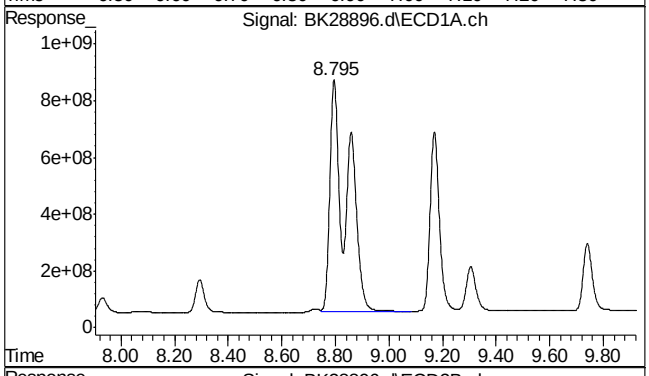
#43 AR1268-B

R.T.: 7.806 min
Delta R.T.: 1.325 min
Response: 4971312466
Conc: 485.40 ppb m



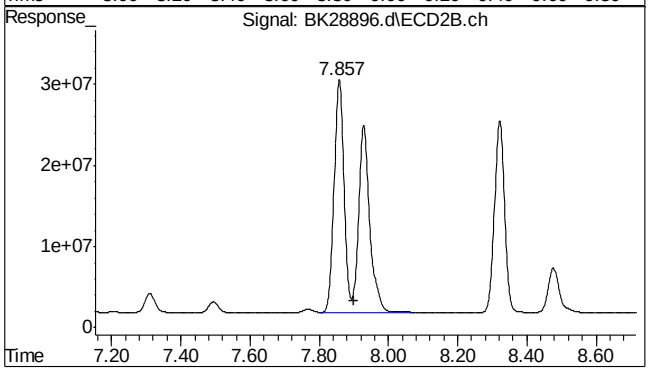
#43 AR1268-B

R.T.: 6.933 min
Delta R.T.: -0.042 min
Response: 132500012
Conc: 663.42 ppb m



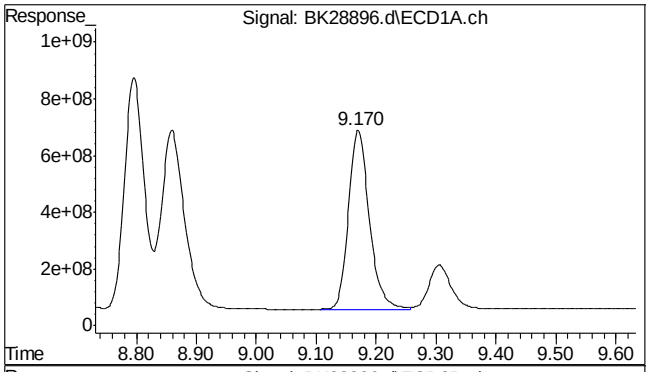
#44 AR1268-C

R.T.: 8.795 min
Delta R.T.: 1.387 min
Response: 35950677178
Conc: 494.90 ppb m



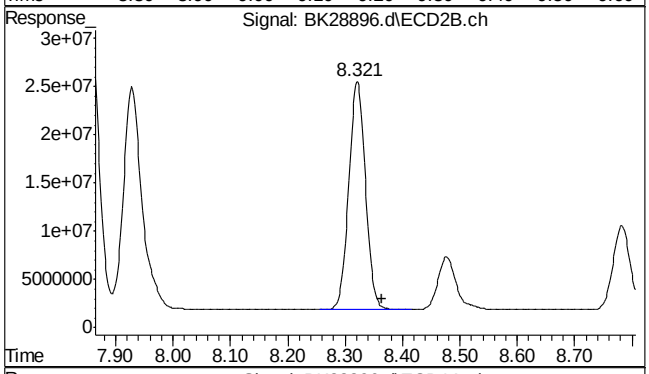
#44 AR1268-C

R.T.: 7.857 min
Delta R.T.: -0.042 min
Response: 1090110824
Conc: 724.03 ppb m



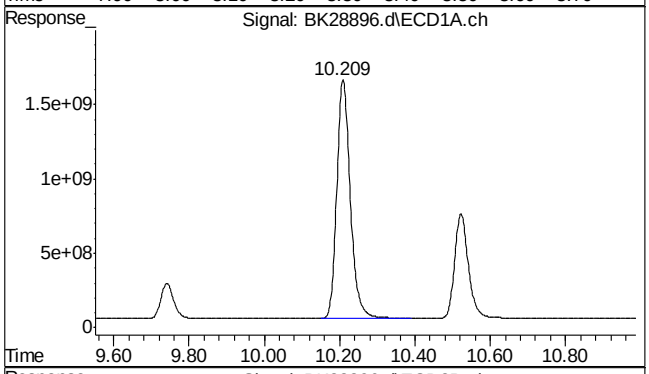
#45 AR1268-D

R.T.: 9.170 min
Delta R.T.: 1.406 min
Response: 15280980744
Conc: 478.86 ppb m



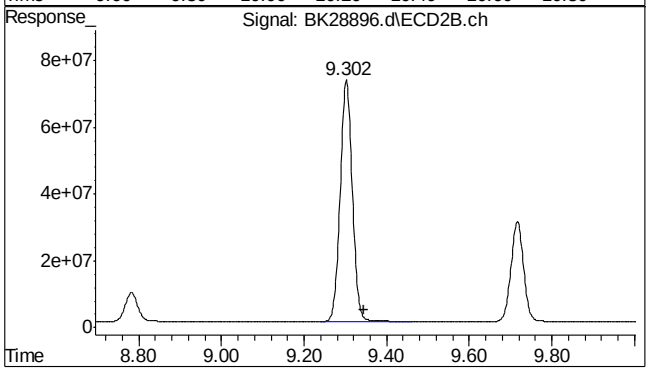
#45 AR1268-D

R.T.: 8.321 min
Delta R.T.: -0.043 min
Response: 479600849
Conc: 694.76 ppb m



#46 AR1268-E

R.T.: 10.209 min
Delta R.T.: 1.450 min
Response: 39991752399
Conc: 500.66 ppb m



#46 AR1268-E

R.T.: 9.302 min
Delta R.T.: -0.044 min
Response: 1468850976
Conc: 740.61 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28897.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 6:51 pm
Operator : nickk
Sample : ic979-500,a1248
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:25:43 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:23:50 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.004	2.303	8345.3E6	313.0E6	40.674m	40.583m
	Spiked Amount 40.000			Recovery	=	101.69%	101.46%
13) s	DCB	10.522	9.716	9574.4E6	334.0E6	35.319	35.647
	Spiked Amount 40.000			Recovery	=	88.30%	89.12%
	Target Compounds						
27)	AR1248-A	3.701f	3.013f	1296.2E6	50460996	443.218m	607.826m#
28)	AR1248-B	4.209f	3.431f	3724.8E6	131.6E6	481.534m	755.118m#
29)	AR1248-C	4.570f	3.757f	5752.8E6	202.1E6	473.695m	645.674m#
30)	AR1248-D	4.843f	4.525f	7351.5E6	330.8E6	495.451m	719.767m#
31)	AR1248-E	5.373f	4.803f	9504.1E6	196.4E6	585.231m	707.131m

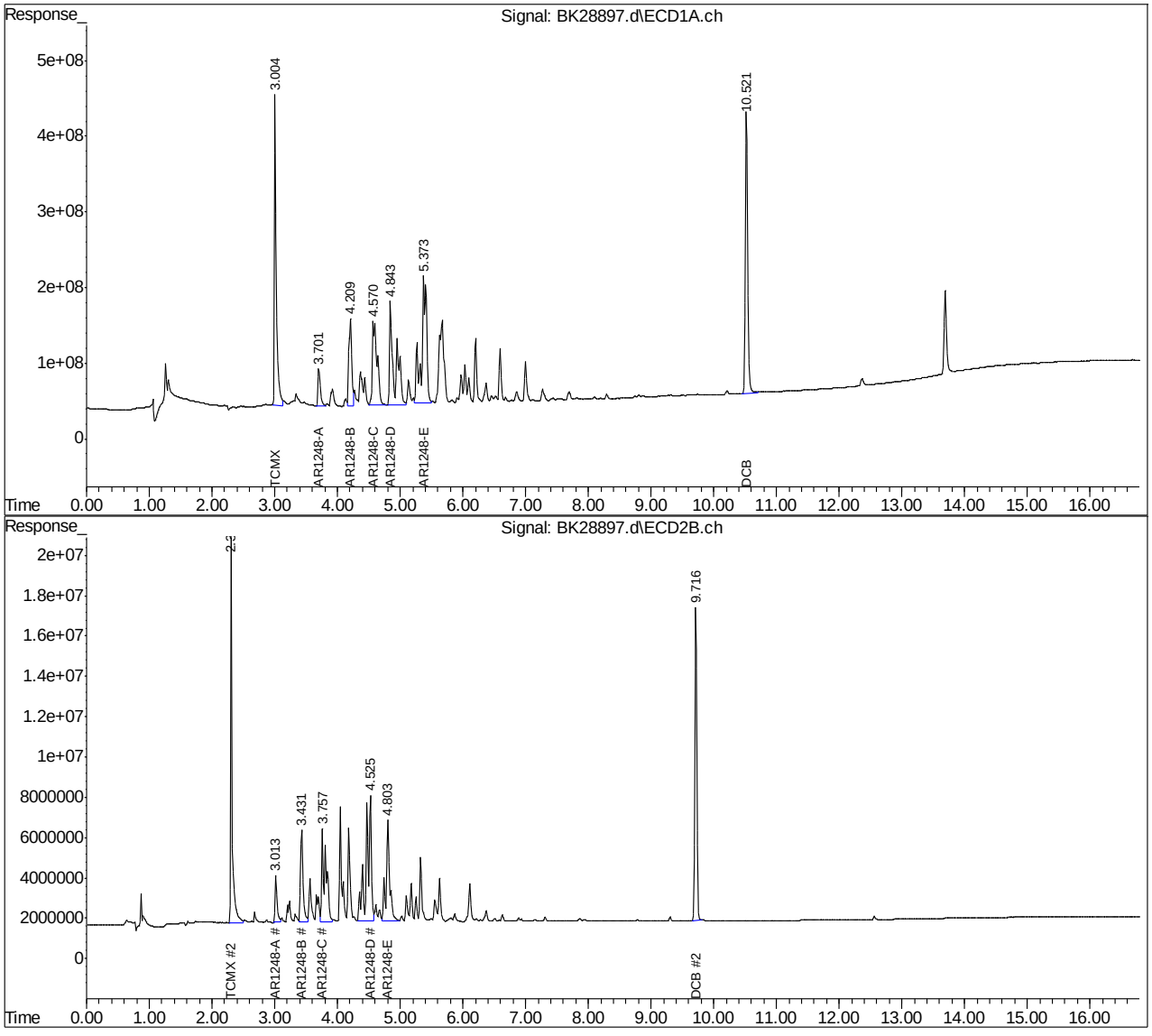
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

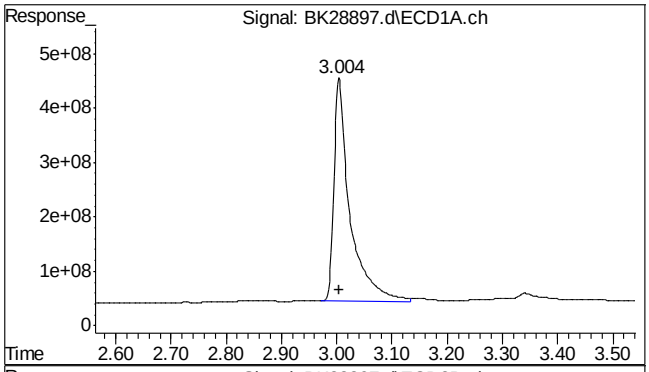
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28897.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 6:51 pm
Operator : nickk
Sample : ic979-500,a1248
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:25:43 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:23:50 2013
Response via : Initial Calibration
Integrator: ChemStation

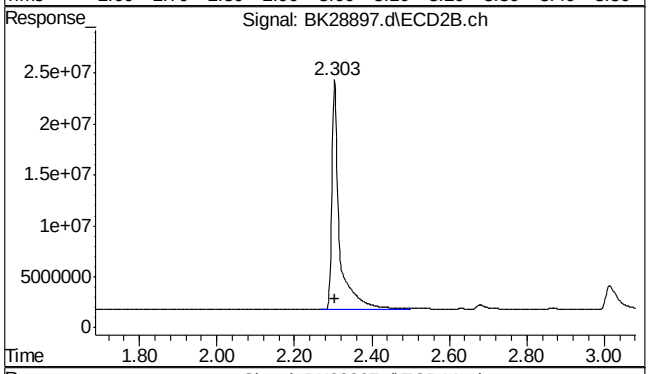
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





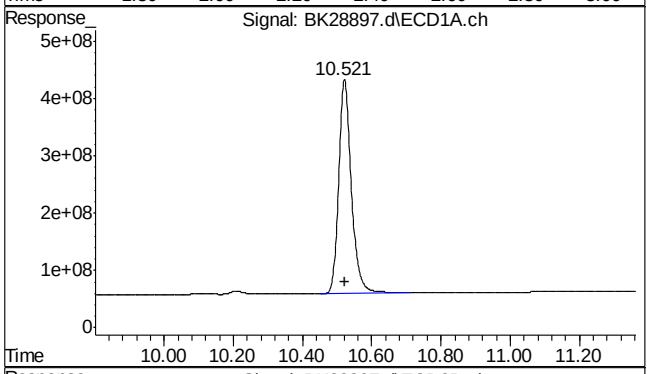
#1 TCMX

R.T.: 3.004 min
Delta R.T.: -0.001 min
Response: 8345265543
Conc: 40.67 ppb m



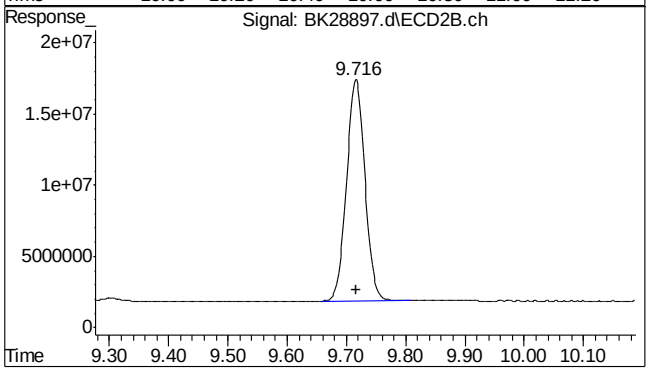
#1 TCMX

R.T.: 2.303 min
Delta R.T.: 0.000 min
Response: 312960322
Conc: 40.58 ppb m



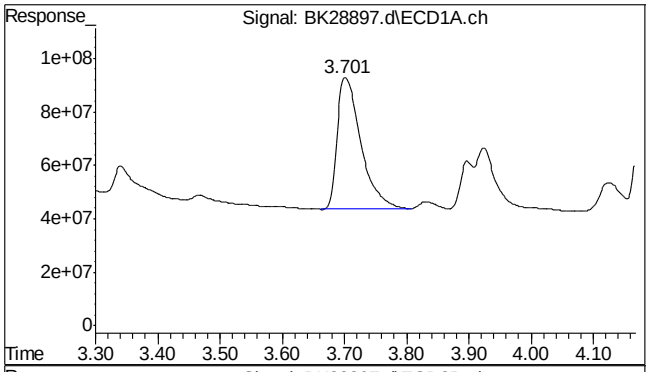
#13 DCB

R.T.: 10.522 min
Delta R.T.: 0.000 min
Response: 9574369742
Conc: 35.32 ppb



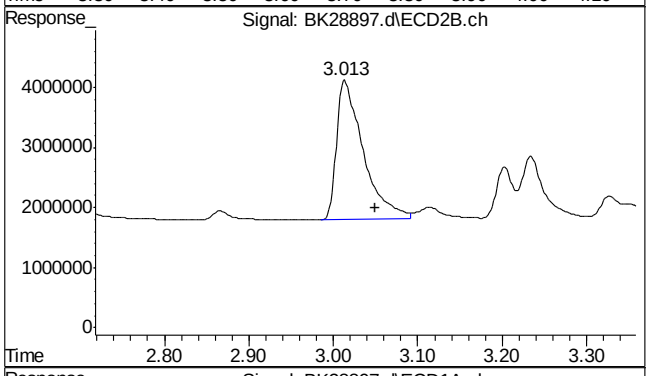
#13 DCB

R.T.: 9.716 min
Delta R.T.: 0.000 min
Response: 334018348
Conc: 35.65 ppb



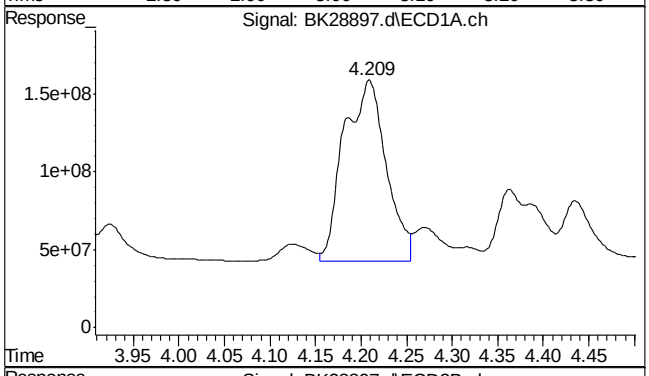
#27 AR1248-A

R.T.: 3.701 min
Delta R.T.: 0.793 min
Response: 1296203577
Conc: 443.22 ppb m



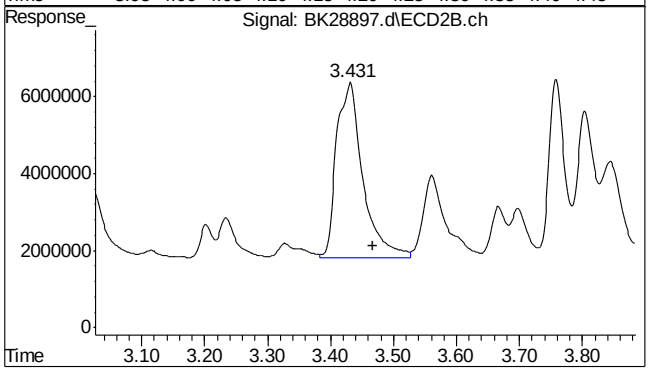
#27 AR1248-A

R.T.: 3.013 min
Delta R.T.: -0.037 min
Response: 50460996
Conc: 607.83 ppb m



#28 AR1248-B

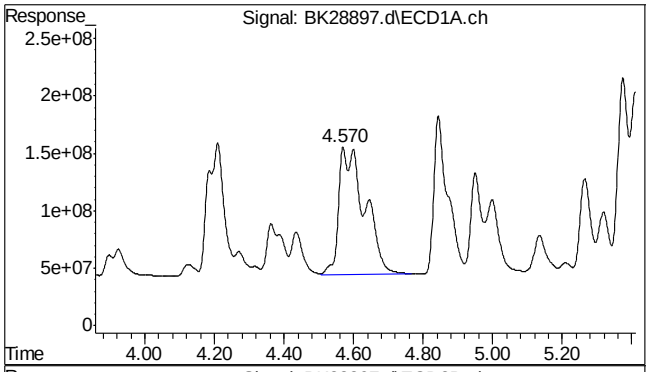
R.T.: 4.209 min
Delta R.T.: 0.891 min
Response: 3724785742
Conc: 481.53 ppb m



#28 AR1248-B

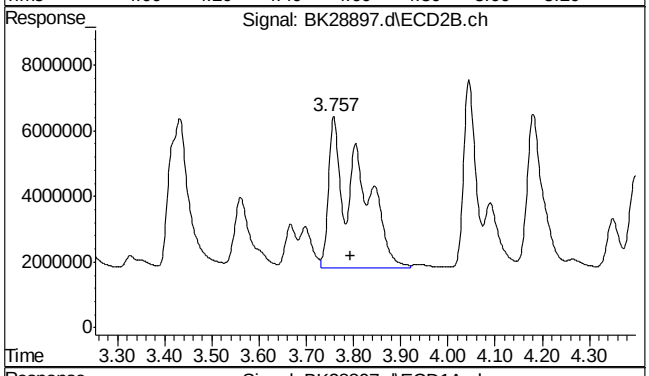
R.T.: 3.431 min
Delta R.T.: -0.036 min
Response: 131584983
Conc: 755.12 ppb m

11.5.10 11



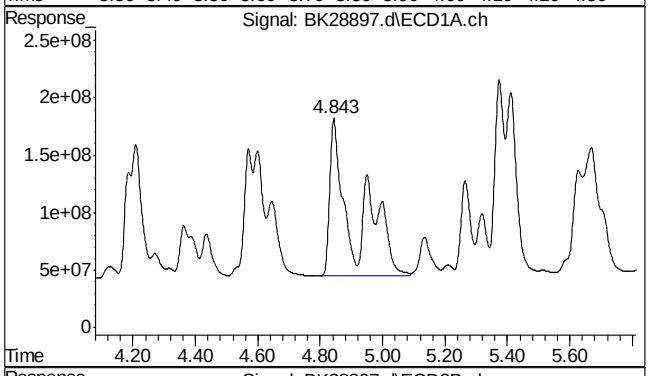
#29 AR1248-C

R.T.: 4.570 min
Delta R.T.: 0.935 min
Response: 5752804557
Conc: 473.69 ppb m



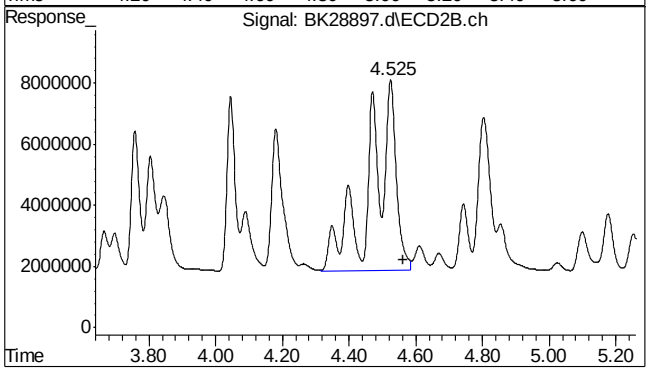
#29 AR1248-C

R.T.: 3.757 min
Delta R.T.: -0.036 min
Response: 202110269
Conc: 645.67 ppb m



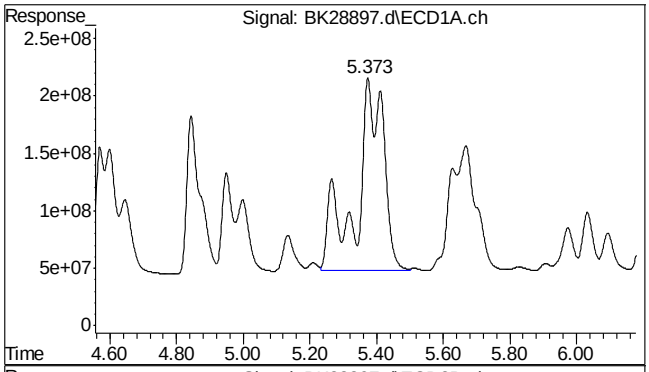
#30 AR1248-D

R.T.: 4.843 min
Delta R.T.: 1.002 min
Response: 7351478191
Conc: 495.45 ppb m



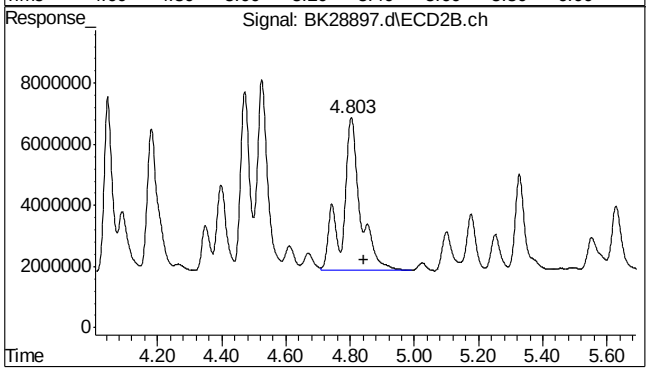
#30 AR1248-D

R.T.: 4.525 min
Delta R.T.: -0.036 min
Response: 330788559
Conc: 719.77 ppb m



#31 AR1248-E

R.T.: 5.373 min
Delta R.T.: 1.053 min
Response: 9504144713
Conc: 585.23 ppb m



#31 AR1248-E

R.T.: 4.803 min
Delta R.T.: -0.040 min
Response: 196367644
Conc: 707.13 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28898.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 7:10 pm
Operator : nickk
Sample : icv979-500,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:34:03 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.005	2.303	10966.7E6	412.0E6	52.497m	52.325m
	Spiked Amount 40.000			Recovery	= 131.24%	130.81%	
13) s	DCB	10.522	9.716	12131.9E6	432.3E6	48.889m	50.437m
	Spiked Amount 40.000			Recovery	= 122.22%	126.09%	
	Target Compounds						
2)	AR1016-A	3.341	2.678	1998.6E6	64189640	469.199m	485.969m
3)	AR1016-B	3.704	3.014	4060.0E6	145.6E6	498.964m	485.801
4)	AR1016-C	4.210	3.430	8627.5E6	282.7E6	497.061	489.278m
5)	AR1016-D	4.362	3.561	5637.5E6	113.1E6	498.241m	505.456m
6)	AR1016-E	4.844	4.044	3644.2E6	139.2E6	495.534m	500.573m
7)	AR1260-A	6.456	5.583	6333.9E6	202.4E6	510.009	513.002m
8)	AR1260-B	6.852	5.867	12804.5E6	232.4E6	504.540m	500.476m
9)	AR1260-C	7.437	6.500	22329.2E6	604.4E6	502.629m	509.594m
10)	AR1260-D	8.294	7.310	15499.0E6	440.0E6	493.331	490.763m
11)	AR1260-E	8.743	7.867	14802.9E6	439.1E6	498.854m	507.295m
12)	AR1260-F	9.740	8.782	3799.1E6	128.4E6	520.870m	519.870m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

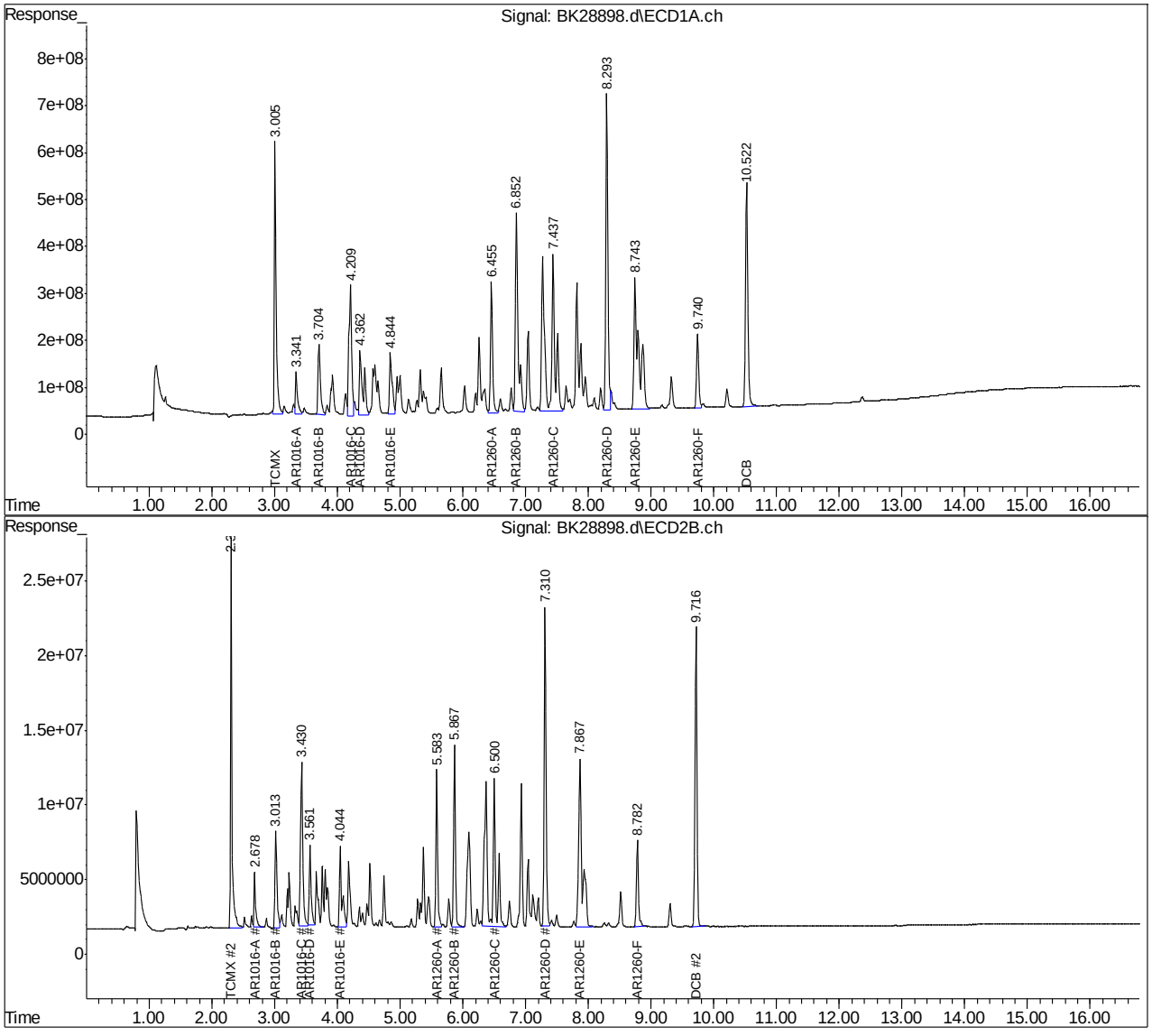
11.5.11
11

Quantitation Report (QT Reviewed)

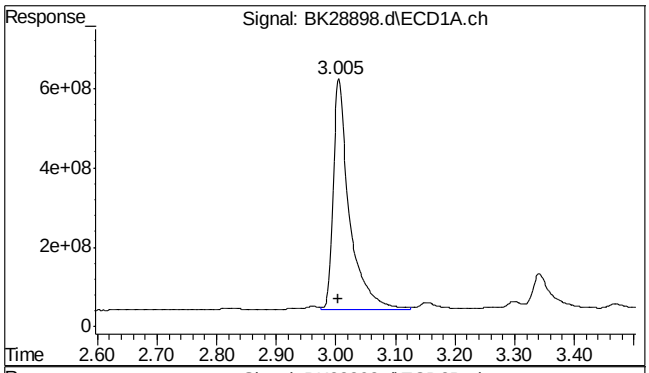
Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28898.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 7:10 pm
Operator : nickk
Sample : icv979-500,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:34:03 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

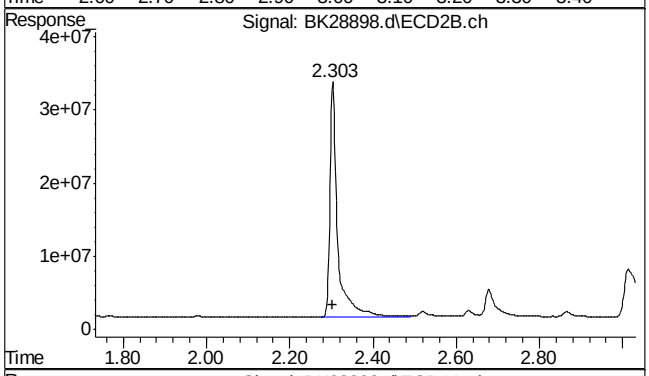


ACCUTEST LABORATORIES MC24023



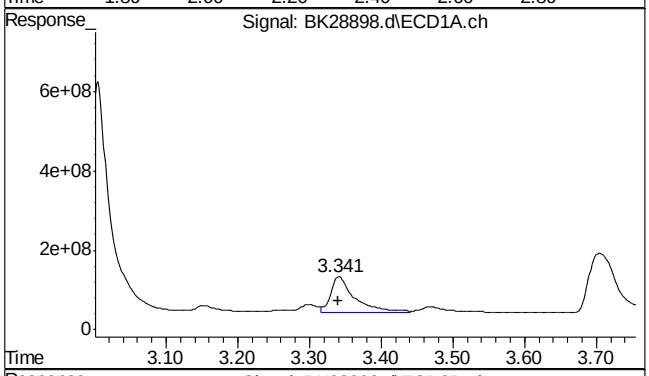
#1 TCMX

R.T.: 3.005 min
Delta R.T.: 0.000 min
Response: 10966737772
Conc: 52.50 ppb m



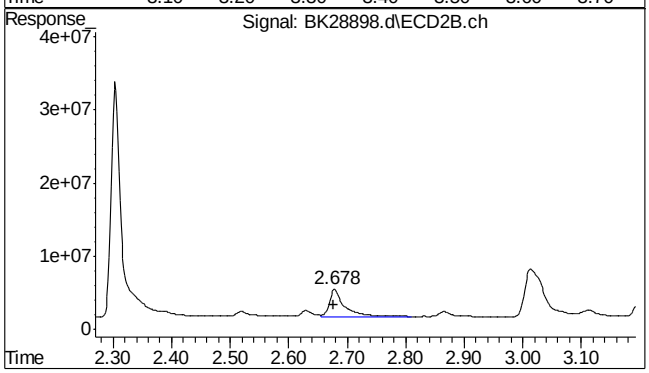
#1 TCMX

R.T.: 2.303 min
Delta R.T.: 0.000 min
Response: 412027441
Conc: 52.33 ppb m



#2 AR1016-A

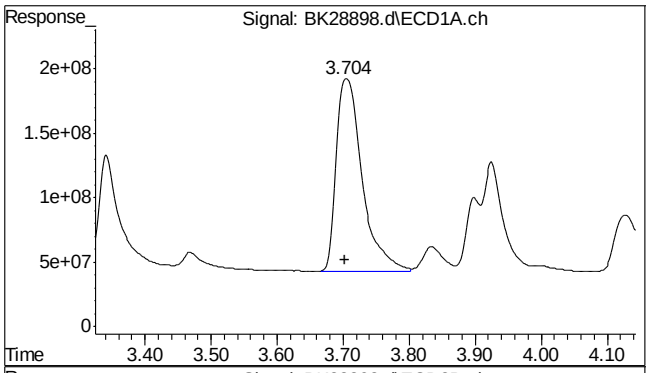
R.T.: 3.341 min
Delta R.T.: 0.000 min
Response: 1998613843
Conc: 469.20 ppb m



#2 AR1016-A

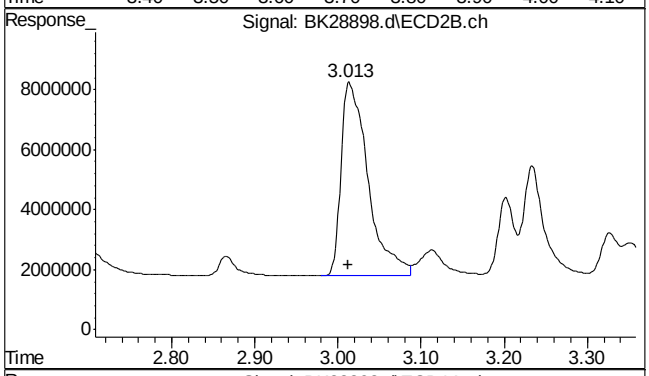
R.T.: 2.678 min
Delta R.T.: 0.000 min
Response: 64189640
Conc: 485.97 ppb m

11.5.11
11



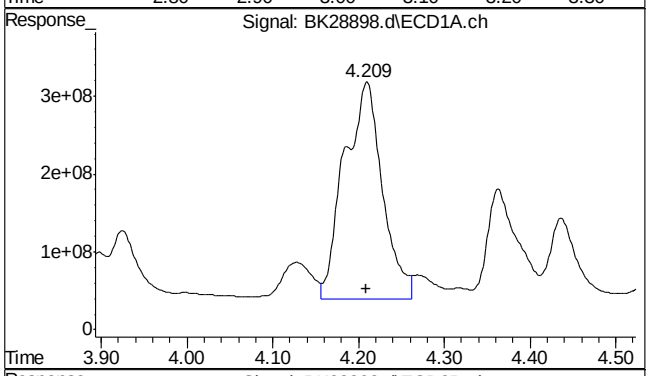
#3 AR1016-B

R.T.: 3.704 min
Delta R.T.: 0.001 min
Response: 4060036881
Conc: 498.96 ppb m



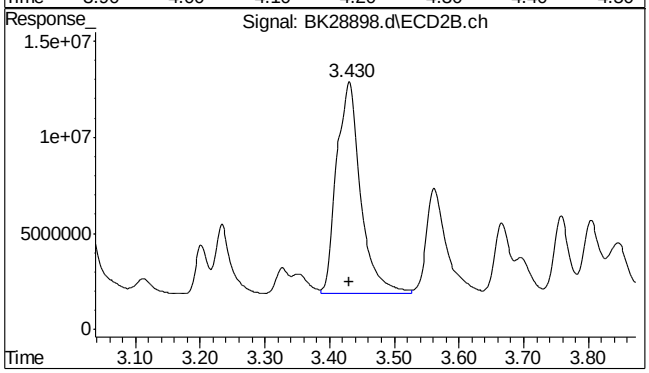
#3 AR1016-B

R.T.: 3.014 min
Delta R.T.: 0.002 min
Response: 145570200
Conc: 485.80 ppb



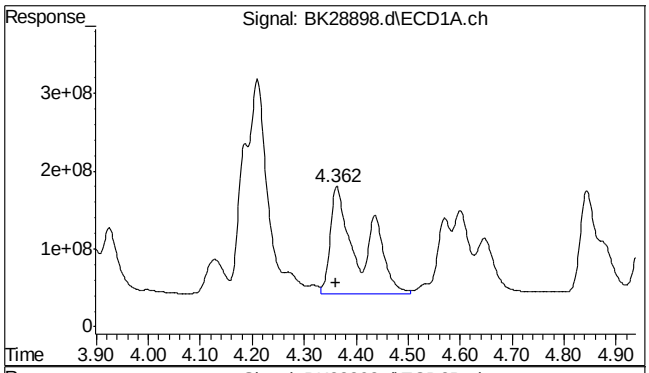
#4 AR1016-C

R.T.: 4.210 min
Delta R.T.: 0.001 min
Response: 8627513892
Conc: 497.06 ppb



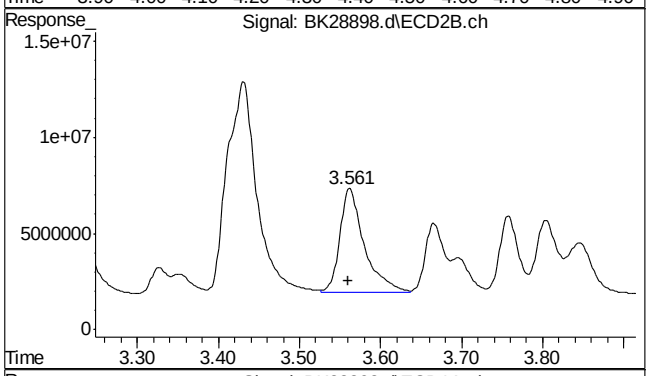
#4 AR1016-C

R.T.: 3.430 min
Delta R.T.: 0.000 min
Response: 282735673
Conc: 489.28 ppb m



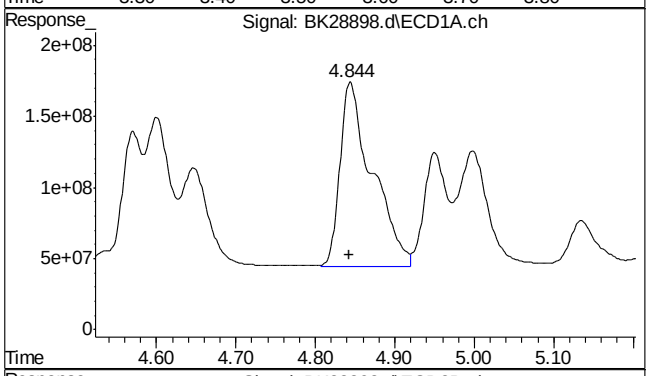
#5 AR1016-D

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 5637451067
Conc: 498.24 m



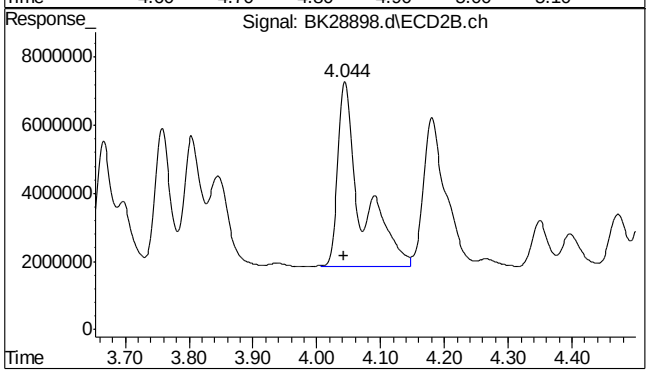
#5 AR1016-D

R.T.: 3.561 min
Delta R.T.: 0.000 min
Response: 113063943
Conc: 505.46 m



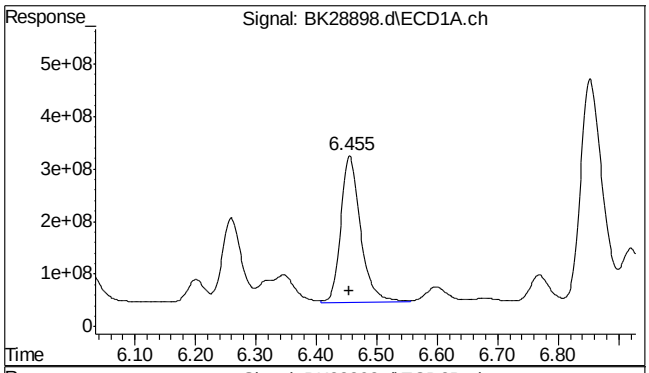
#6 AR1016-E

R.T.: 4.844 min
Delta R.T.: 0.000 min
Response: 3644207955
Conc: 495.53 m



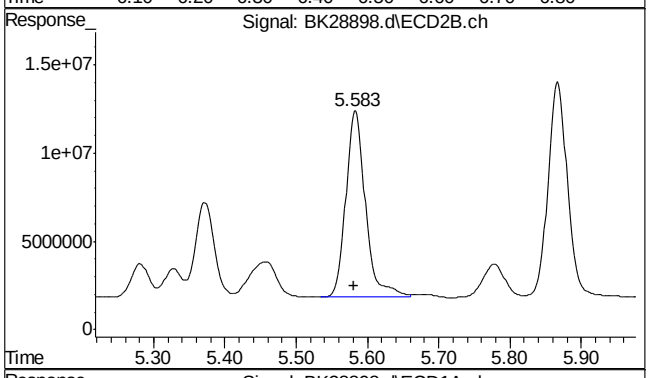
#6 AR1016-E

R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 139198567
Conc: 500.57 m



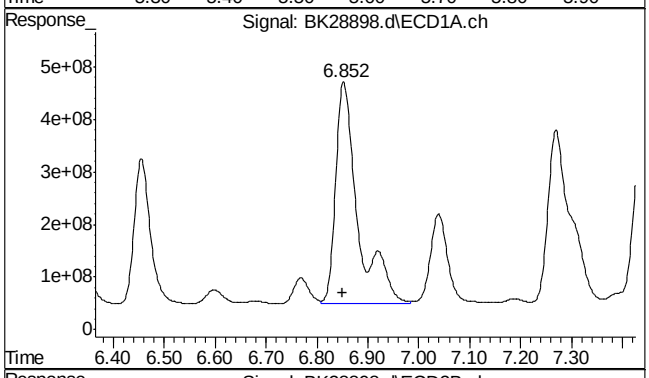
#7 AR1260-A

R.T.: 6.456 min
Delta R.T.: 0.001 min
Response: 6333918211
Conc: 510.01 ppb



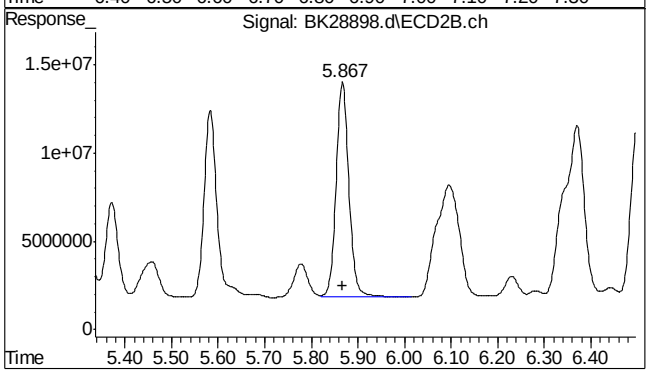
#7 AR1260-A

R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 202415265
Conc: 513.00 ppb m



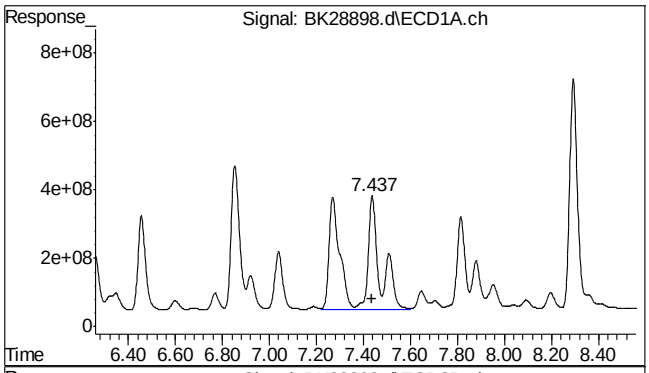
#8 AR1260-B

R.T.: 6.852 min
Delta R.T.: 0.001 min
Response: 12804463354
Conc: 504.54 ppb m



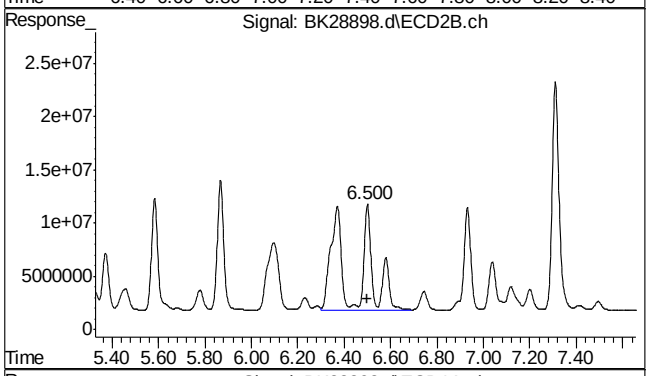
#8 AR1260-B

R.T.: 5.867 min
Delta R.T.: 0.000 min
Response: 232362850
Conc: 500.48 ppb m



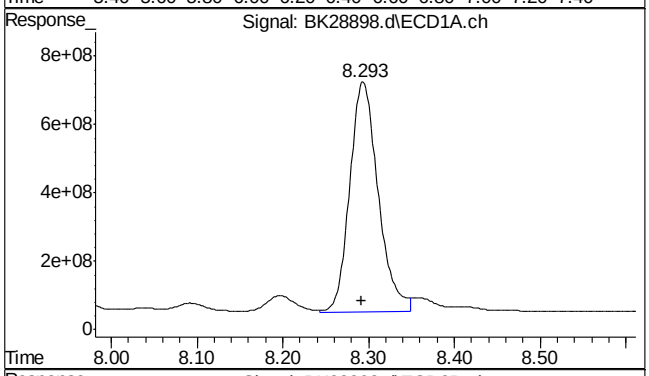
#9 AR1260-C

R.T.: 7.437 min
Delta R.T.: 0.002 min
Response: 22329192851
Conc: 502.63 ppb m



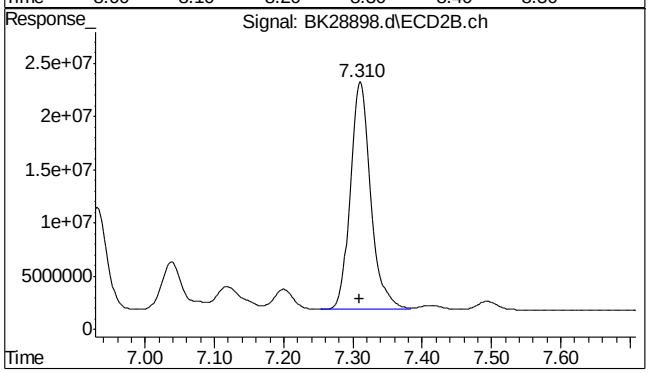
#9 AR1260-C

R.T.: 6.500 min
Delta R.T.: 0.000 min
Response: 604361377
Conc: 509.59 ppb m



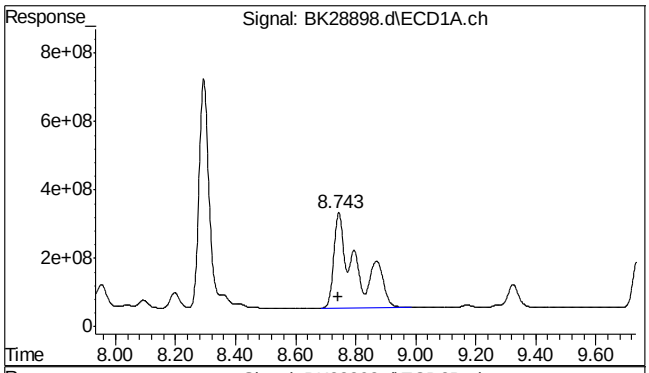
#10 AR1260-D

R.T.: 8.294 min
Delta R.T.: 0.002 min
Response: 15498969876
Conc: 493.33 ppb



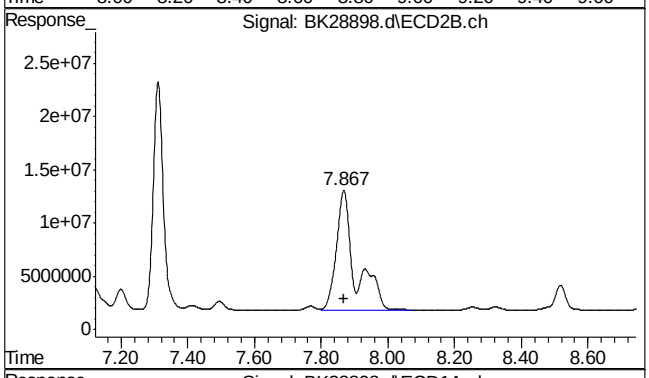
#10 AR1260-D

R.T.: 7.310 min
Delta R.T.: 0.000 min
Response: 440040516
Conc: 490.76 ppb m



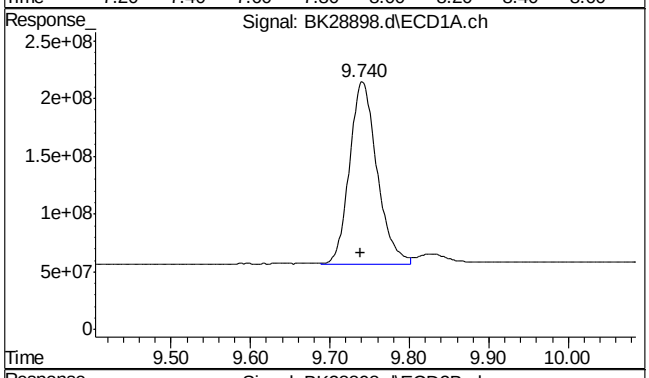
#11 AR1260-E

R.T.: 8.743 min
Delta R.T.: 0.002 min
Response: 14802904421
Conc: 498.85 ppb m



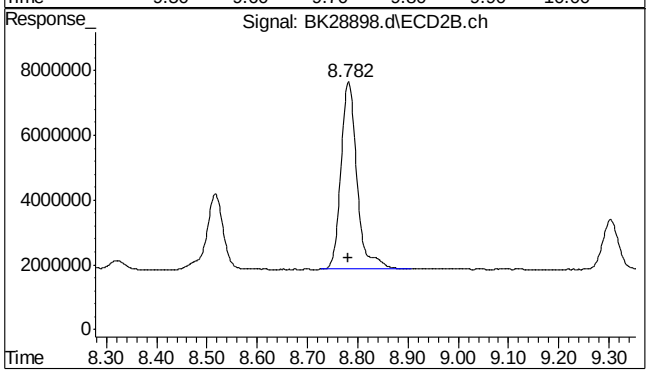
#11 AR1260-E

R.T.: 7.867 min
Delta R.T.: 0.000 min
Response: 439149954
Conc: 507.30 ppb m



#12 AR1260-F

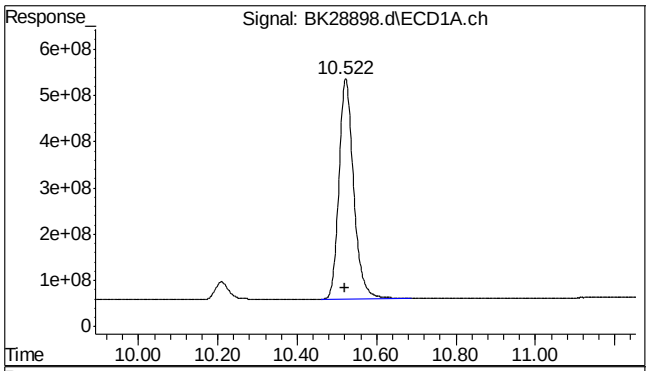
R.T.: 9.740 min
Delta R.T.: 0.001 min
Response: 3799108186
Conc: 520.87 m



#12 AR1260-F

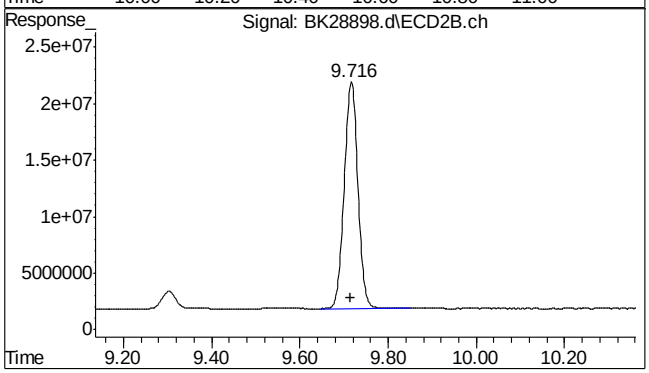
R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 128418660
Conc: 519.87 m

11.5.11
11



#13 DCB

R.T.: 10.522 min
Delta R.T.: 0.002 min
Response: 12131876863
Conc: 48.89 ppb m



#13 DCB

R.T.: 9.716 min
Delta R.T.: 0.001 min
Response: 432340756
Conc: 50.44 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/11/13 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29031.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 8:49 am
Operator : nickk
Sample : cc979-750,a16/60
Misc : op34712,gbk984,15,,,10,,s
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 09:14:18 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.013	2.303	12891.2E6	410.4E6	61.710m	52.117m
	Spiked Amount 40.000			Recovery	= 154.28%	130.29%	
13) s	DCB	10.530	9.723	12807.6E6	409.0E6	51.612m	47.714m
	Spiked Amount 40.000			Recovery	= 129.03%	119.29%	
	Target Compounds						
2)	AR1016-A	3.349	2.677	3017.3E6	89356137	708.350m	676.500m
3)	AR1016-B	3.712	3.012	7011.6E6	194.8E6	861.706m	650.012m
4)	AR1016-C	4.218	3.431	13516.5E6	378.8E6	778.732m	655.582
5)	AR1016-D	4.370	3.562	9214.2E6	155.3E6	814.358m	694.141
6)	AR1016-E	4.851	4.044	6215.8E6	185.2E6	845.210m	665.840m
7)	AR1260-A	6.465	5.585	10255.0E6	270.6E6	825.738m	685.749m
8)	AR1260-B	6.864	5.869	20965.7E6	310.7E6	826.120m	669.163m
9)	AR1260-C	7.448	6.504	35458.3E6	842.4E6	798.166m	710.343m
10)	AR1260-D	8.304	7.316	24067.2E6	645.7E6	766.056m	720.145
11)	AR1260-E	8.753	7.873	22451.9E6	604.1E6	756.624m	697.847m
12)	AR1260-F	9.750	8.789	5406.0E6	164.5E6	741.181m	665.779m

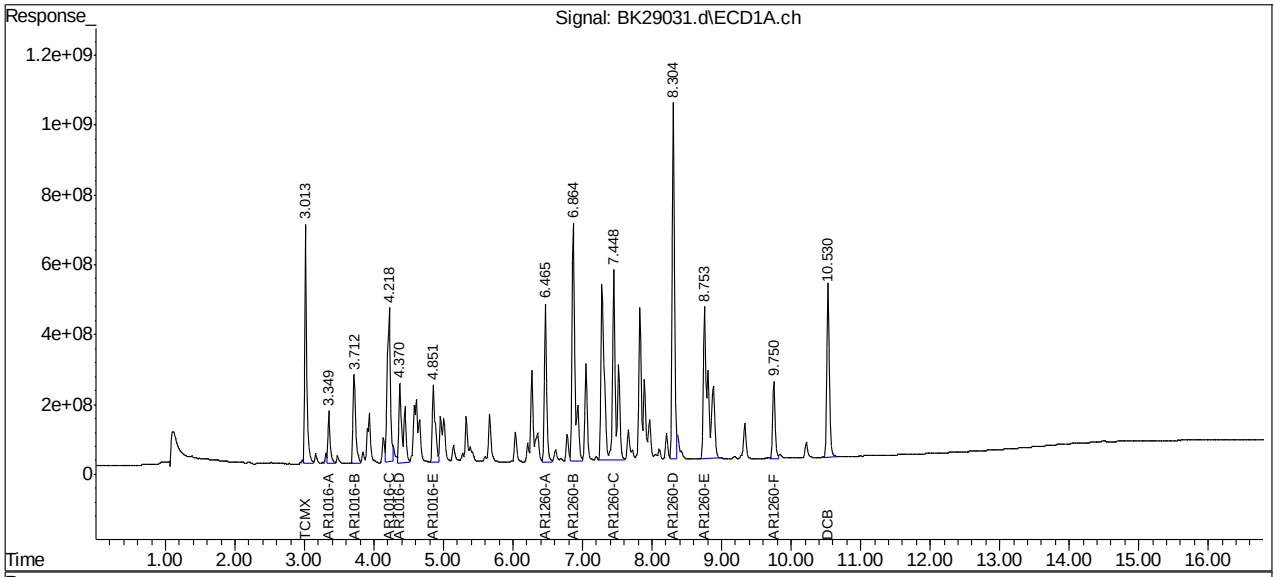
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

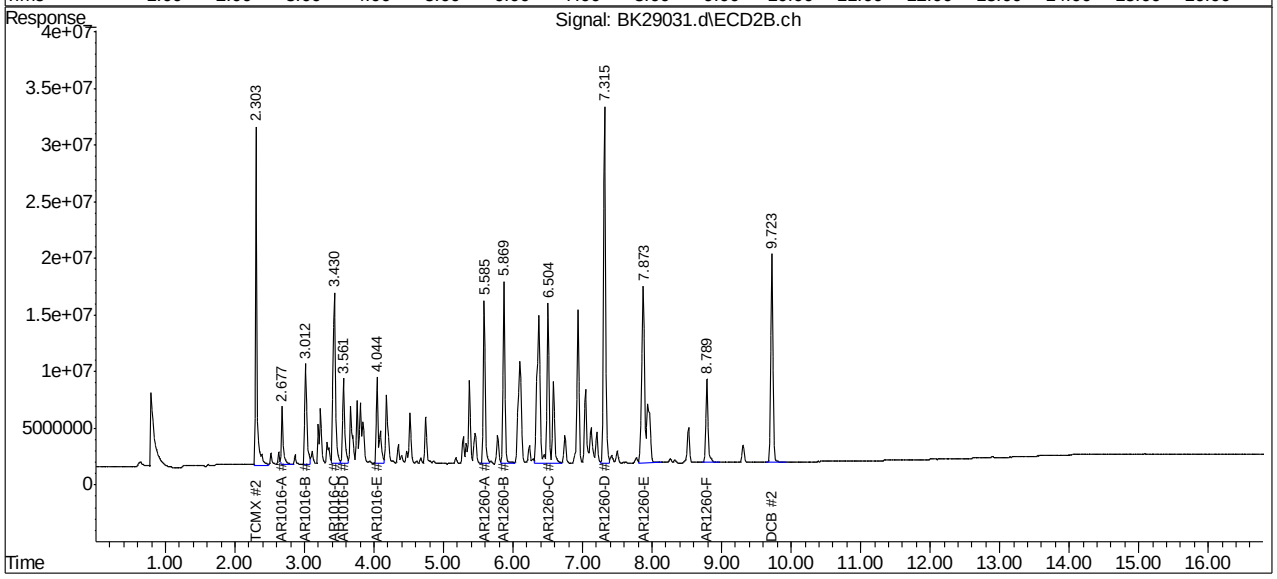
Quantitation Report (QT Reviewed)

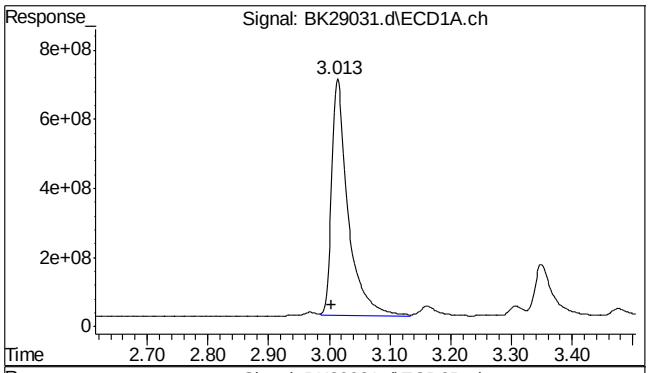
Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29031.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 8:49 am
Operator : nickk
Sample : cc979-750,a16/60
Misc : op34712,gbk984,15,,,10,,s
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 09:14:18 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

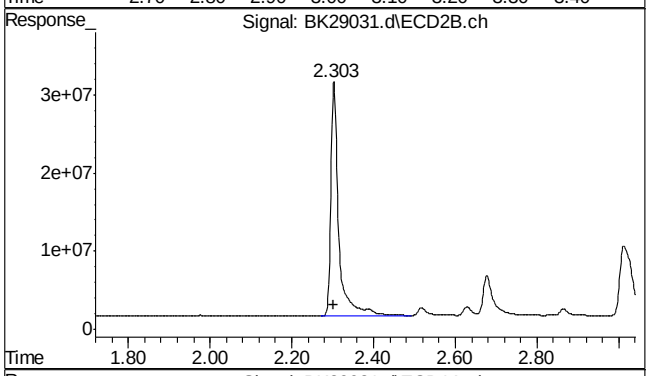






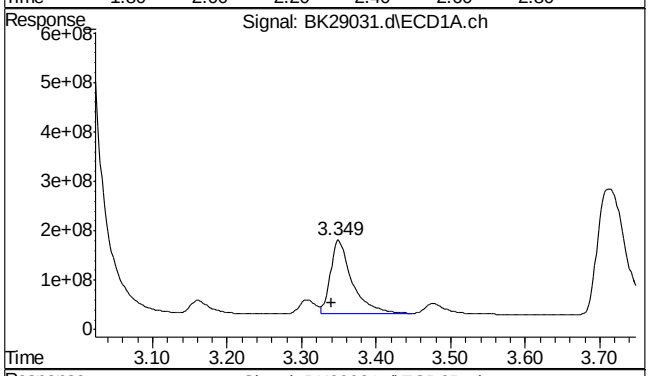
#1 TCMX

R.T.: 3.013 min
Delta R.T.: 0.009 min
Response: 12891163363
Conc: 61.71 ppb m



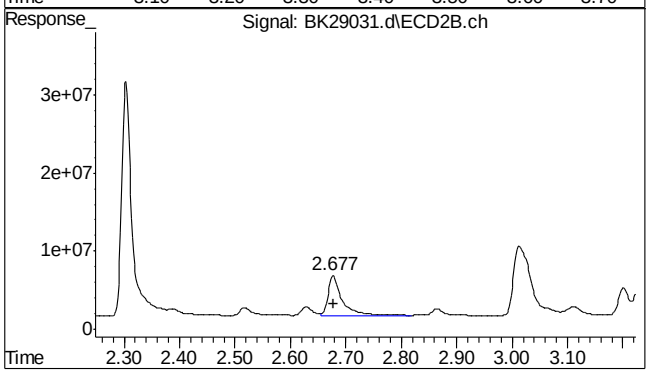
#1 TCMX

R.T.: 2.303 min
Delta R.T.: 0.000 min
Response: 410385086
Conc: 52.12 ppb m



#2 AR1016-A

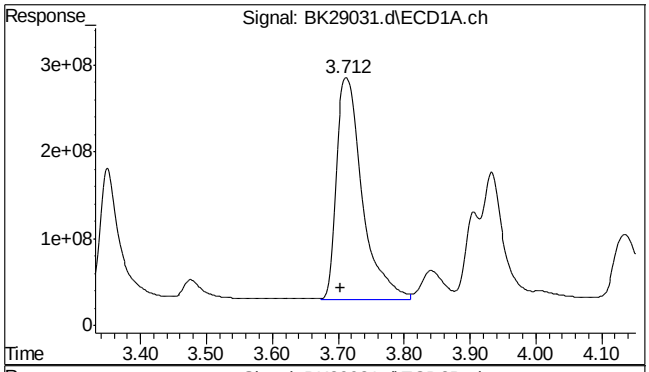
R.T.: 3.349 min
Delta R.T.: 0.009 min
Response: 3017308101
Conc: 708.35 ppb m



#2 AR1016-A

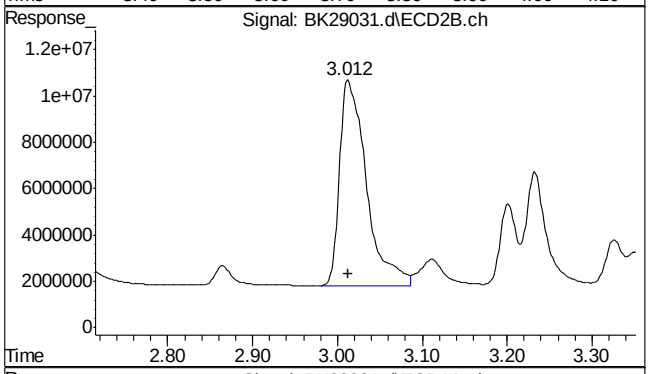
R.T.: 2.677 min
Delta R.T.: 0.000 min
Response: 89356137
Conc: 676.50 ppb m

11.5.12
11



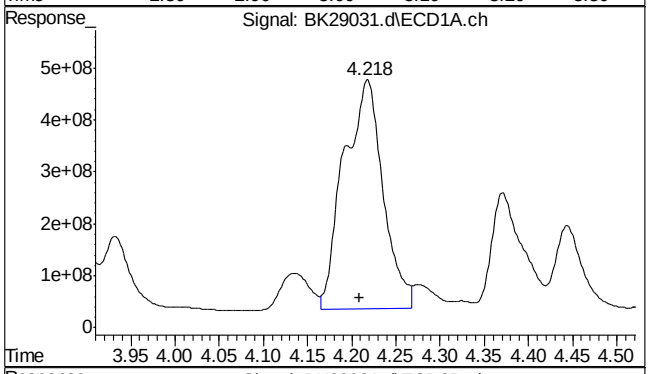
#3 AR1016-B

R.T.: 3.712 min
Delta R.T.: 0.009 min
Response: 7011645737
Conc: 861.71 ppb m



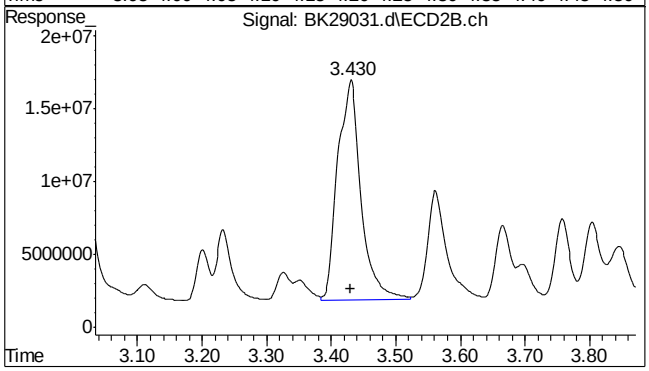
#3 AR1016-B

R.T.: 3.012 min
Delta R.T.: 0.000 min
Response: 194776158
Conc: 650.01 ppb m



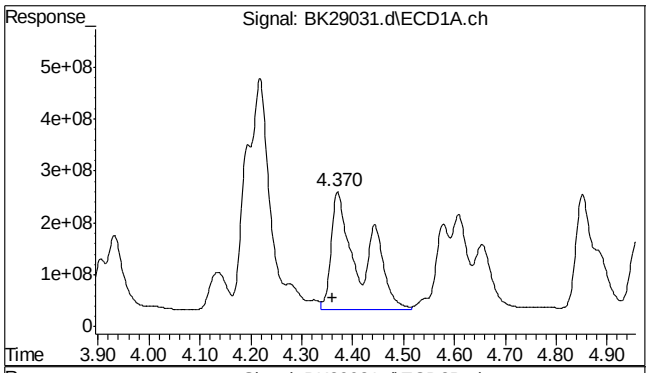
#4 AR1016-C

R.T.: 4.218 min
Delta R.T.: 0.009 min
Response: 13516475934
Conc: 778.73 ppb m



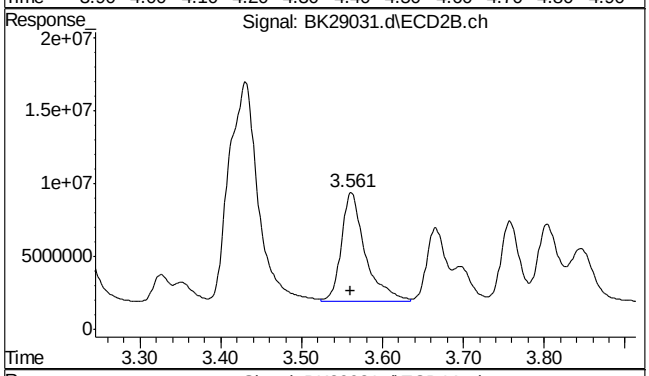
#4 AR1016-C

R.T.: 3.431 min
Delta R.T.: 0.000 min
Response: 378836892
Conc: 655.58 ppb



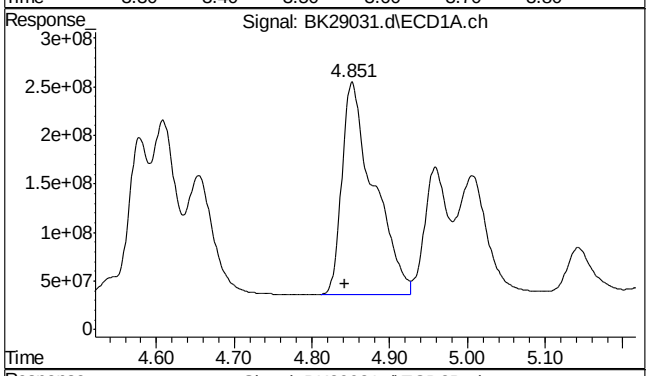
#5 AR1016-D

R.T.: 4.370 min
Delta R.T.: 0.009 min
Response: 9214225984
Conc: 814.36 m



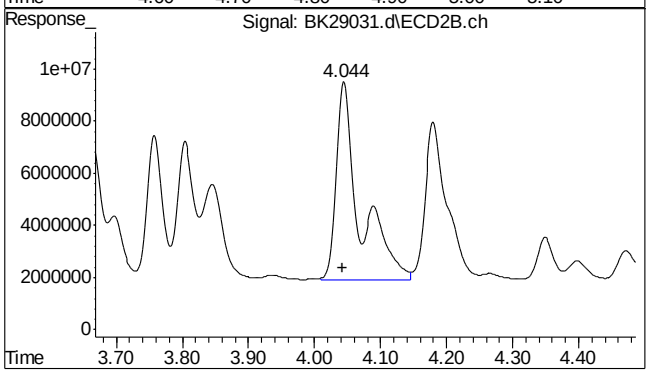
#5 AR1016-D

R.T.: 3.562 min
Delta R.T.: 0.000 min
Response: 155270435
Conc: 694.14



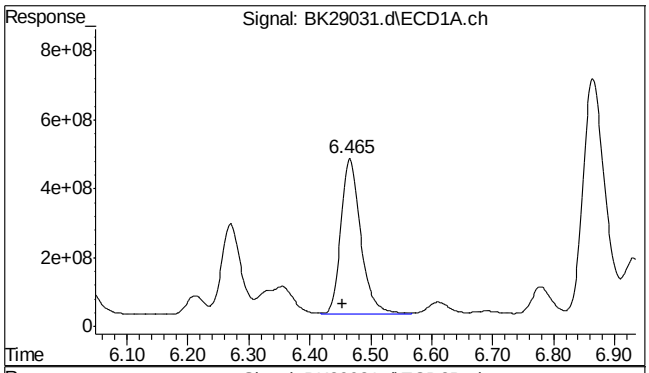
#6 AR1016-E

R.T.: 4.851 min
Delta R.T.: 0.008 min
Response: 6215765570
Conc: 845.21 m



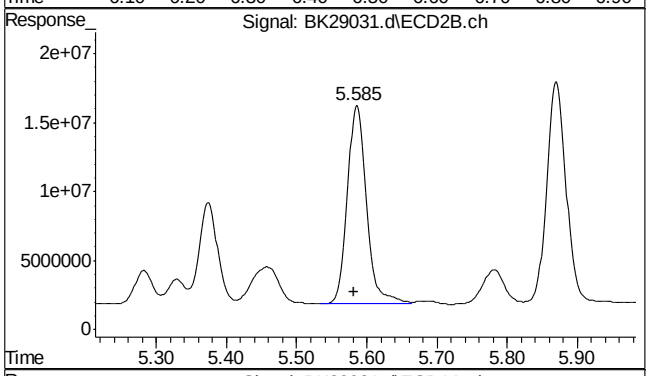
#6 AR1016-E

R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 185155895
Conc: 665.84 m



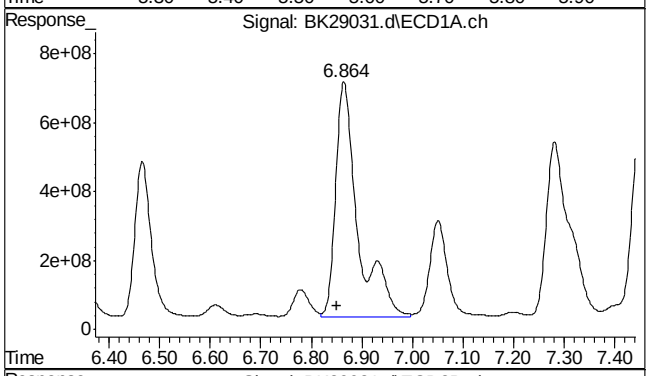
#7 AR1260-A

R.T.: 6.465 min
Delta R.T.: 0.011 min
Response: 10255033785
Conc: 825.74 ppb m



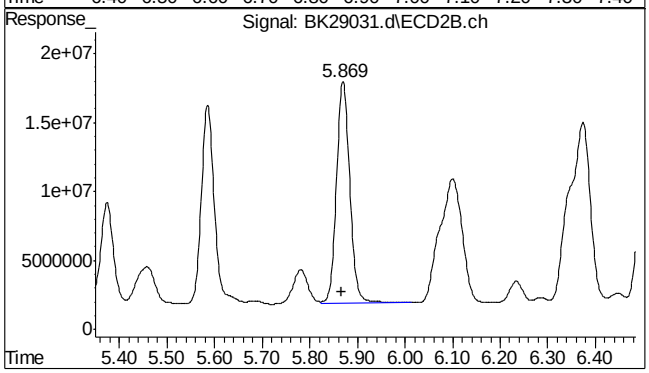
#7 AR1260-A

R.T.: 5.585 min
Delta R.T.: 0.003 min
Response: 270575712
Conc: 685.75 ppb m



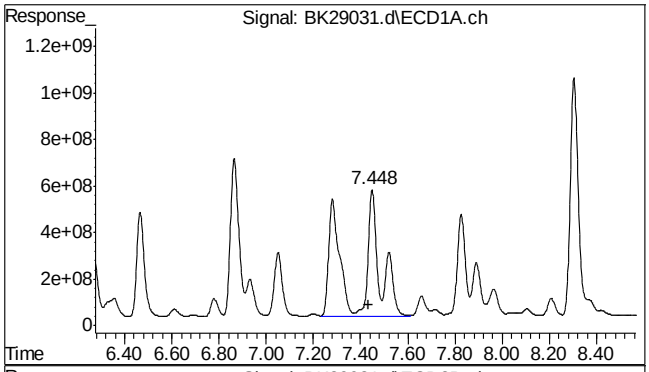
#8 AR1260-B

R.T.: 6.864 min
Delta R.T.: 0.013 min
Response: 20965700131
Conc: 826.12 ppb m



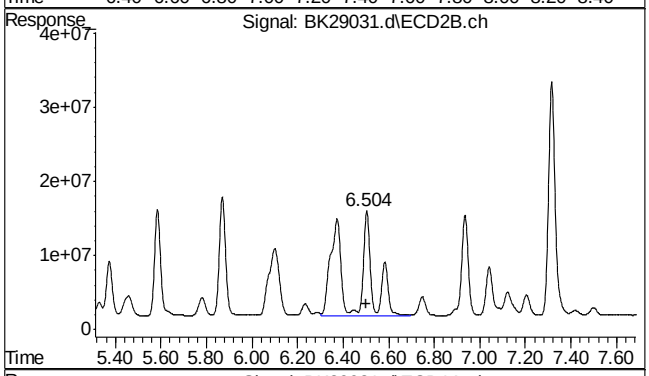
#8 AR1260-B

R.T.: 5.869 min
Delta R.T.: 0.003 min
Response: 310681694
Conc: 669.16 ppb m



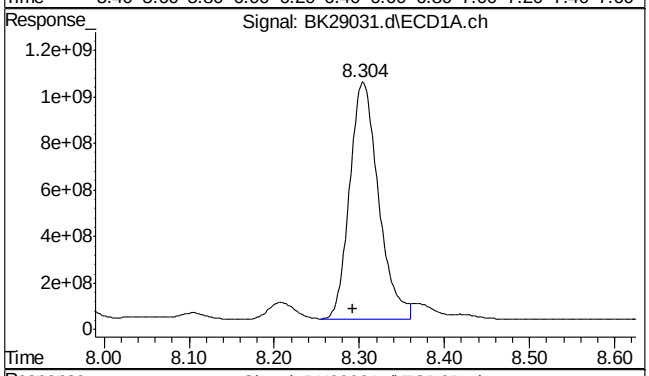
#9 AR1260-C

R.T.: 7.448 min
Delta R.T.: 0.013 min
Response: 35458328582
Conc: 798.17 ppb m



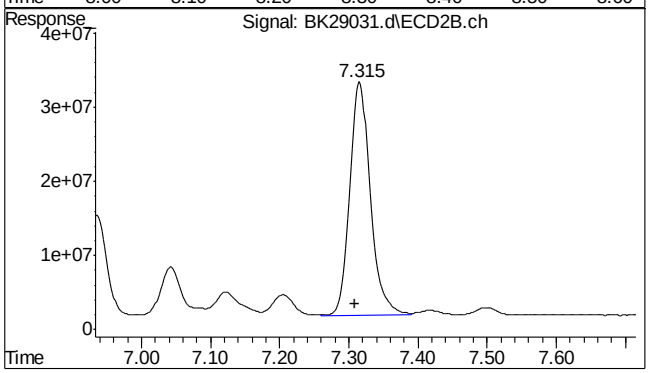
#9 AR1260-C

R.T.: 6.504 min
Delta R.T.: 0.004 min
Response: 842442493
Conc: 710.34 ppb m



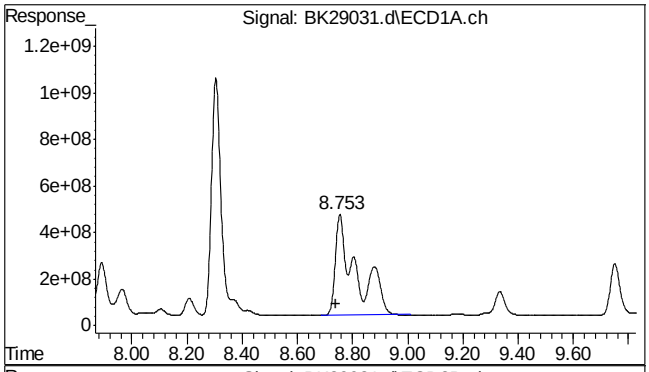
#10 AR1260-D

R.T.: 8.304 min
Delta R.T.: 0.012 min
Response: 24067170192
Conc: 766.06 ppb m



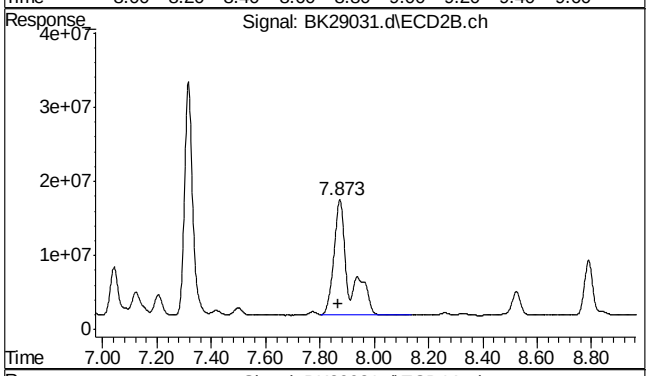
#10 AR1260-D

R.T.: 7.316 min
Delta R.T.: 0.007 min
Response: 645714577
Conc: 720.15 ppb



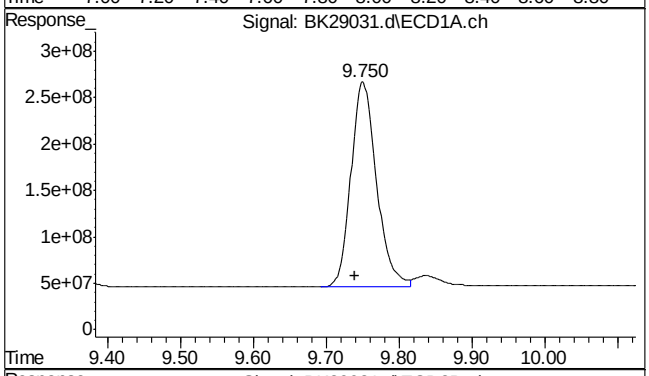
#11 AR1260-E

R.T.: 8.753 min
Delta R.T.: 0.012 min
Response: 22451901812
Conc: 756.62 ppb m



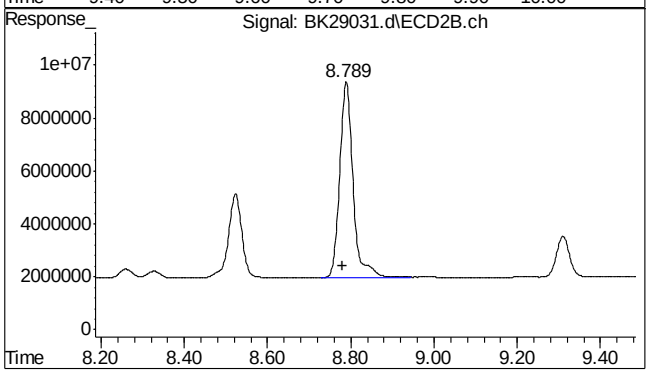
#11 AR1260-E

R.T.: 7.873 min
Delta R.T.: 0.006 min
Response: 604104209
Conc: 697.85 ppb m



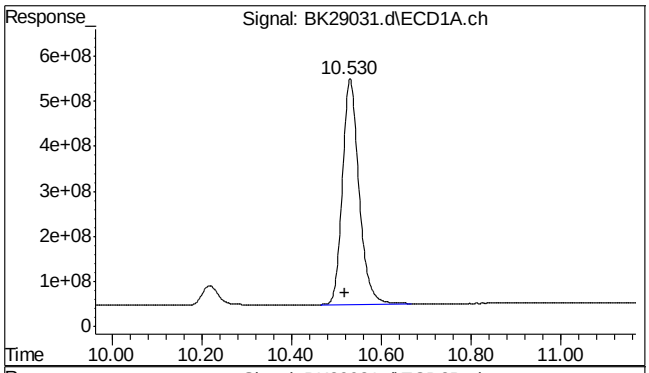
#12 AR1260-F

R.T.: 9.750 min
Delta R.T.: 0.011 min
Response: 5406006312
Conc: 741.18 m



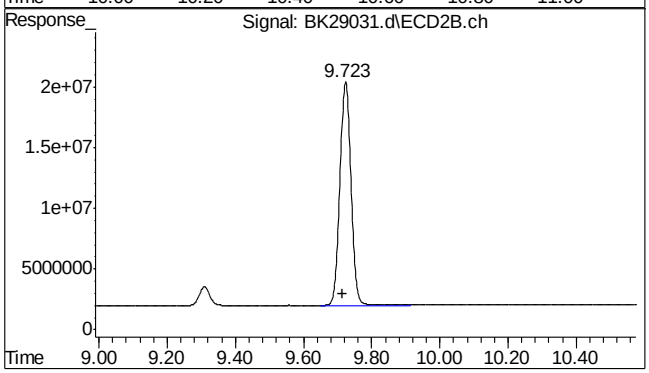
#12 AR1260-F

R.T.: 8.789 min
Delta R.T.: 0.008 min
Response: 164461139
Conc: 665.78 m



#13 DCB

R.T.: 10.530 min
Delta R.T.: 0.010 min
Response: 12807591406
Conc: 51.61 ppb m



#13 DCB

R.T.: 9.723 min
Delta R.T.: 0.007 min
Response: 408996072
Conc: 47.71 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/11/13 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29042.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 12:23 pm
Operator : nickk
Sample : cc979-750,a16/60
Misc : op34712,gbk984,15,,,10,,s
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 13:14:51 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.005	2.304	13050.7E6	413.5E6	62.473	52.514m
	Spiked Amount 40.000			Recovery	= 156.18%	131.29%	
13) s	DCB	10.519	9.721	13964.5E6	440.4E6	56.274m	51.377m
	Spiked Amount 40.000			Recovery	= 140.69%	128.44%	
	Target Compounds						
2)	AR1016-A	3.339	2.679	3093.5E6	93277535	726.248m	706.188m
3)	AR1016-B	3.704	3.016	6914.4E6	200.3E6	849.753m	668.423
4)	AR1016-C	4.207	3.433	13923.1E6	398.2E6	802.161m	689.013m
5)	AR1016-D	4.360	3.564	9319.8E6	156.8E6	823.689m	701.062m
6)	AR1016-E	4.840	4.046	6135.0E6	192.2E6	834.228m	691.066m
7)	AR1260-A	6.454	5.587	10443.2E6	281.7E6	840.887m	714.019m
8)	AR1260-B	6.852	5.871	21868.7E6	326.5E6	861.703m	703.340m
9)	AR1260-C	7.437	6.504	37281.2E6	879.4E6	839.199m	741.480m
10)	AR1260-D	8.292	7.315	26463.0E6	697.7E6	842.314m	778.117m
11)	AR1260-E	8.742	7.873	24964.4E6	658.8E6	841.293m	761.036m
12)	AR1260-F	9.739	8.788	6097.3E6	184.5E6	835.959m	747.090

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

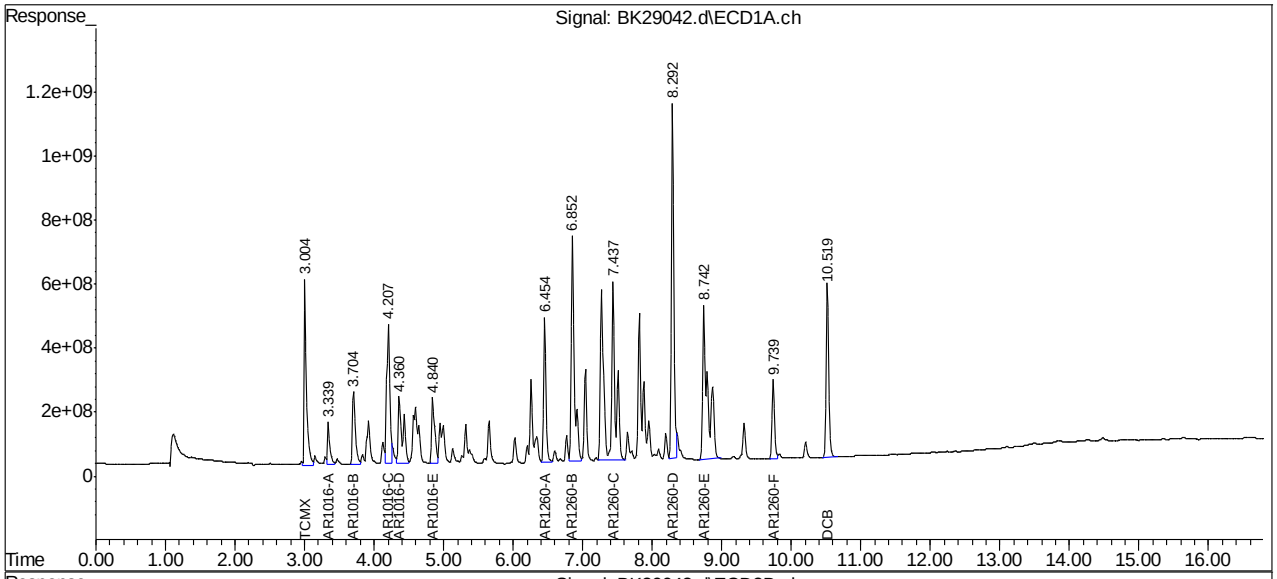
11.5.13
11

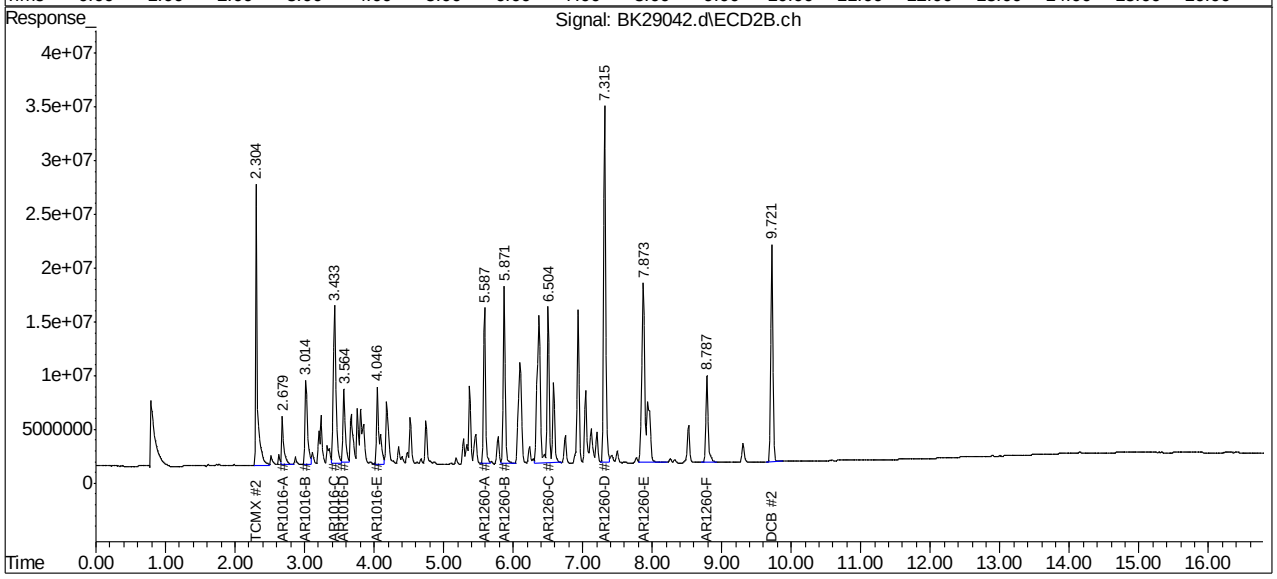
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29042.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 12:23 pm
Operator : nickk
Sample : cc979-750,a16/60
Misc : op34712,gbk984,15,,,10,,s
ALS Vial : 100 Sample Multiplier: 1

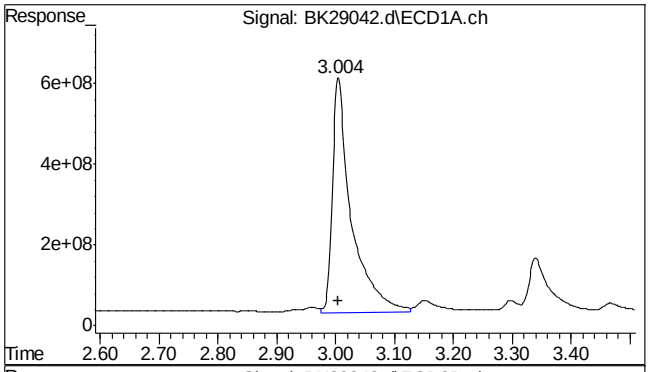
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 13:14:51 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



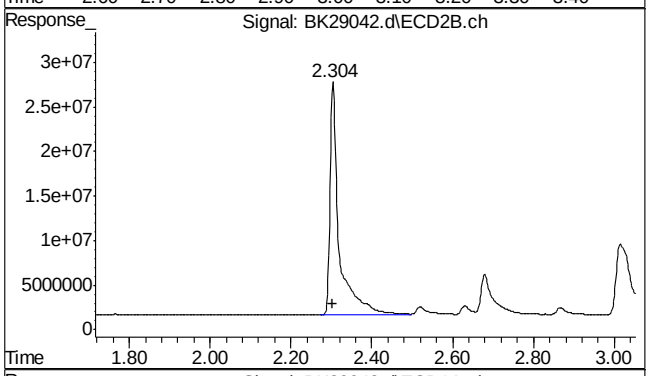


ACCUTEST LABORATORIES MC24023



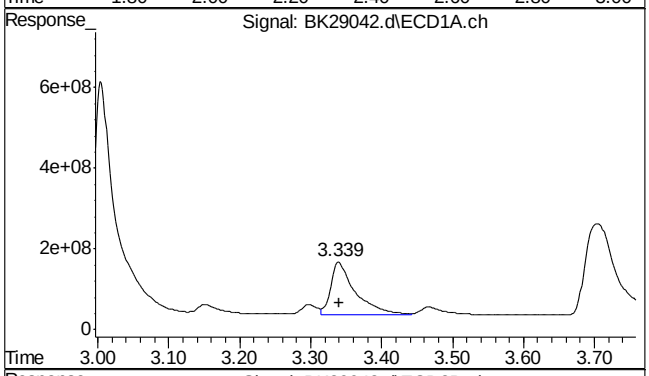
#1 TCMX

R.T.: 3.005 min
Delta R.T.: 0.000 min
Response: 13050726759
Conc: 62.47 ppb



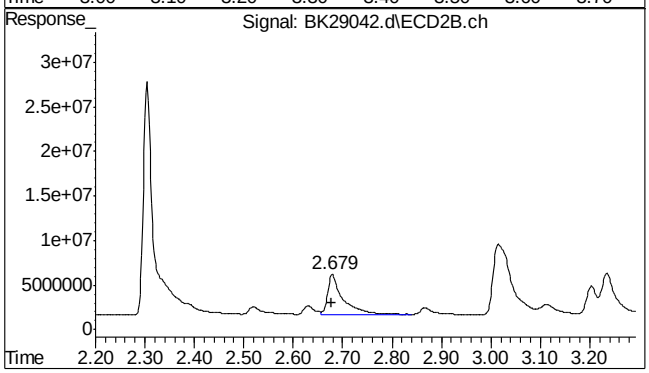
#1 TCMX

R.T.: 2.304 min
Delta R.T.: 0.000 min
Response: 413513591
Conc: 52.51 ppb m



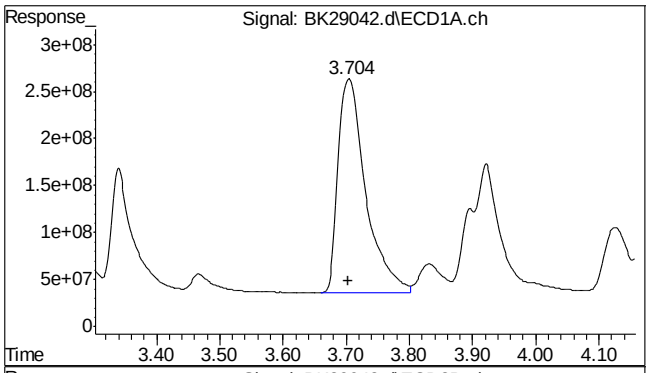
#2 AR1016-A

R.T.: 3.339 min
Delta R.T.: 0.000 min
Response: 3093548026
Conc: 726.25 ppb m



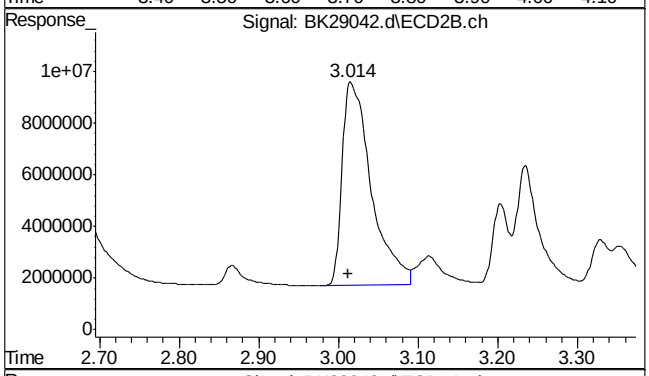
#2 AR1016-A

R.T.: 2.679 min
Delta R.T.: 0.000 min
Response: 93277535
Conc: 706.19 ppb m



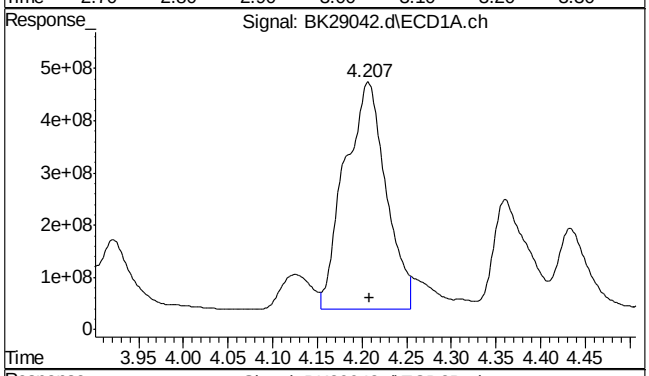
#3 AR1016-B

R.T.: 3.704 min
Delta R.T.: 0.002 min
Response: 6914391444
Conc: 849.75 ppb m



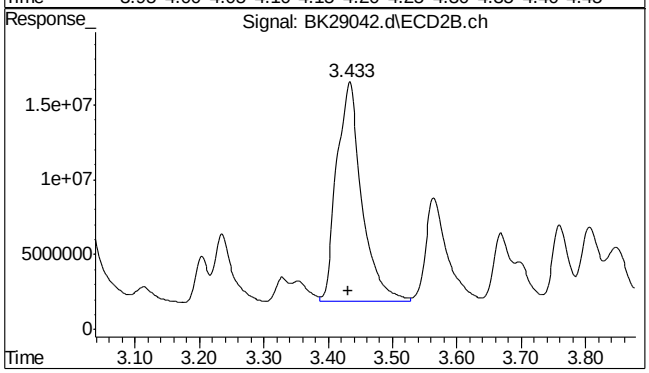
#3 AR1016-B

R.T.: 3.016 min
Delta R.T.: 0.004 min
Response: 200293104
Conc: 668.42 ppb



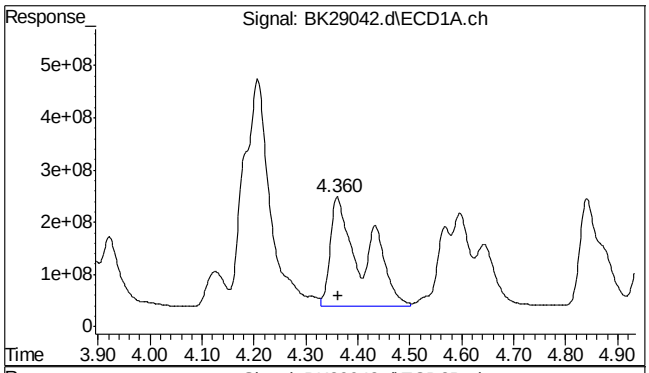
#4 AR1016-C

R.T.: 4.207 min
Delta R.T.: -0.002 min
Response: 13923147412
Conc: 802.16 ppb m



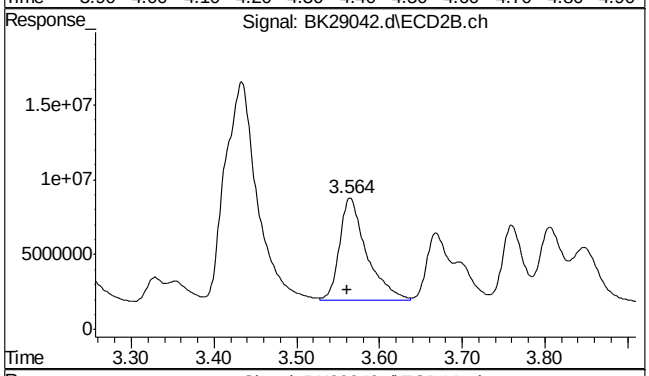
#4 AR1016-C

R.T.: 3.433 min
Delta R.T.: 0.002 min
Response: 398155620
Conc: 689.01 ppb m



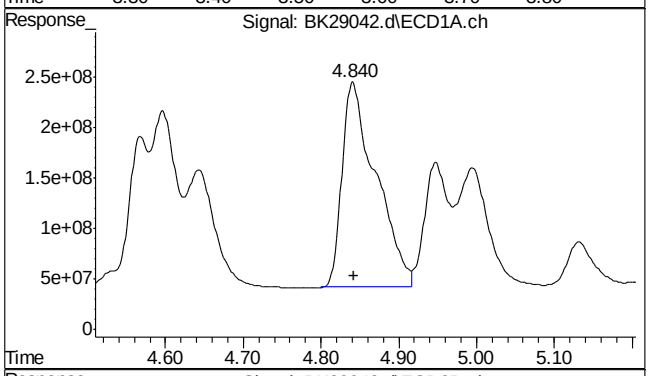
#5 AR1016-D

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 9319810890
Conc: 823.69 m



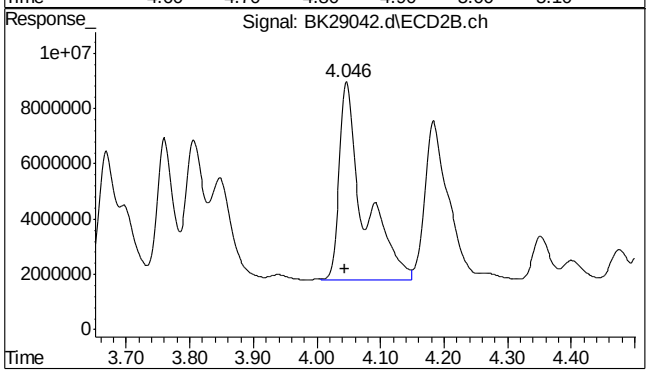
#5 AR1016-D

R.T.: 3.564 min
Delta R.T.: 0.003 min
Response: 156818481
Conc: 701.06 m



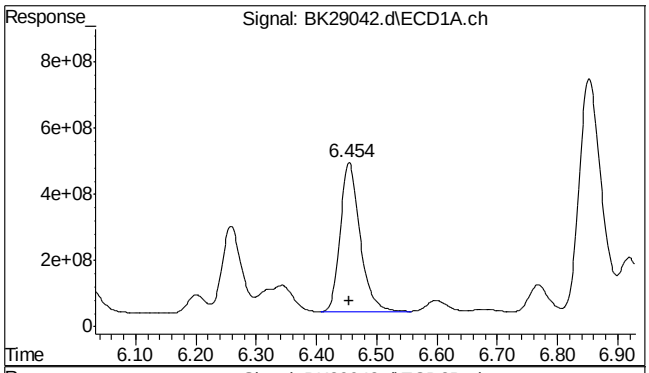
#6 AR1016-E

R.T.: 4.840 min
Delta R.T.: -0.003 min
Response: 6134998511
Conc: 834.23 m



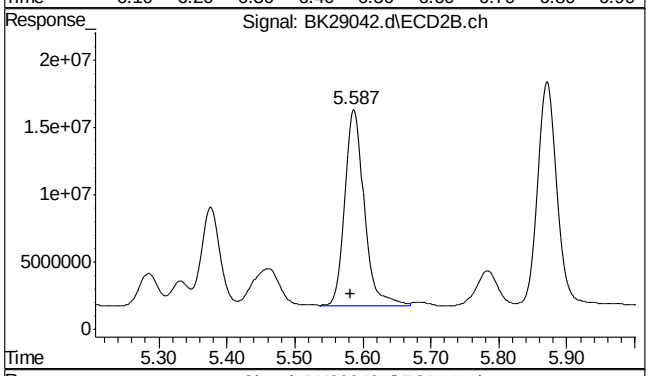
#6 AR1016-E

R.T.: 4.046 min
Delta R.T.: 0.003 min
Response: 192170645
Conc: 691.07 m



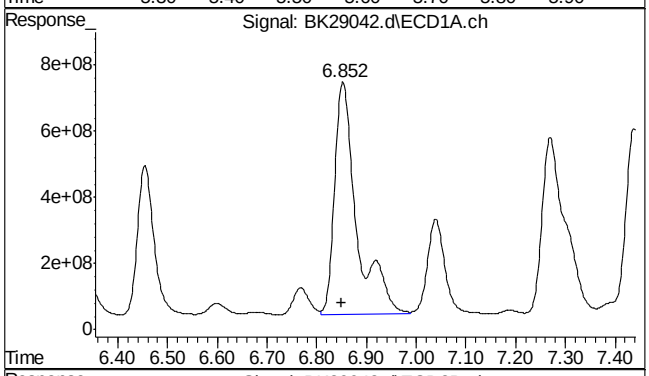
#7 AR1260-A

R.T.: 6.454 min
Delta R.T.: 0.000 min
Response: 10443178724
Conc: 840.89 ppb m



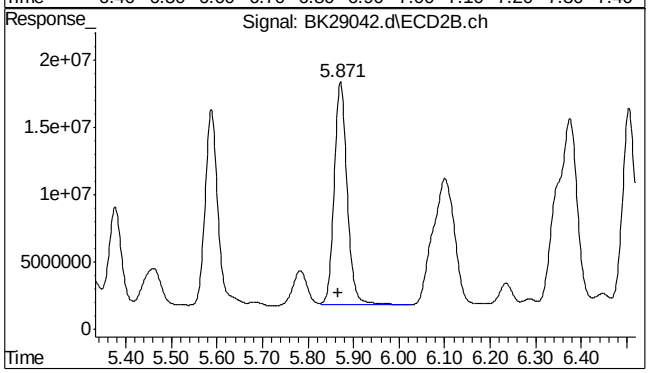
#7 AR1260-A

R.T.: 5.587 min
Delta R.T.: 0.005 min
Response: 281730272
Conc: 714.02 ppb m



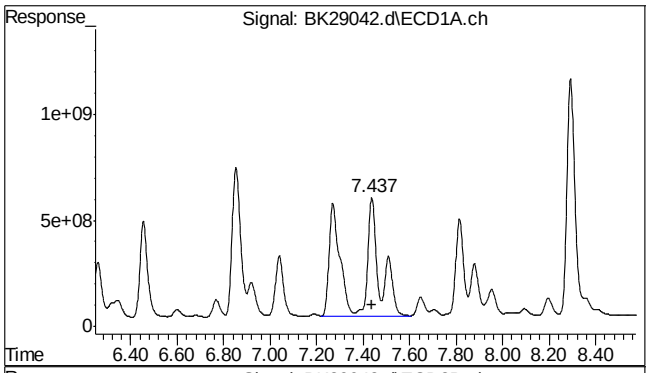
#8 AR1260-B

R.T.: 6.852 min
Delta R.T.: 0.001 min
Response: 21868730012
Conc: 861.70 ppb m



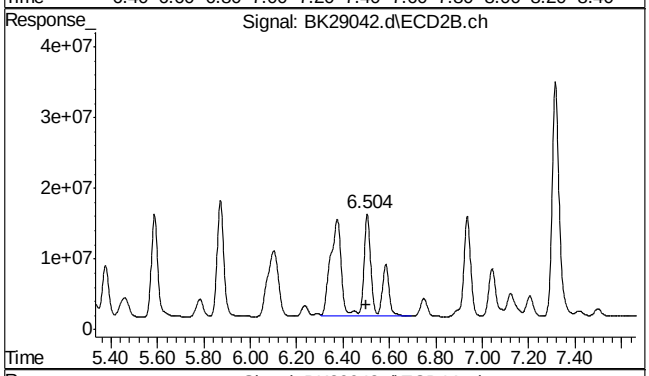
#8 AR1260-B

R.T.: 5.871 min
Delta R.T.: 0.005 min
Response: 326549433
Conc: 703.34 ppb m



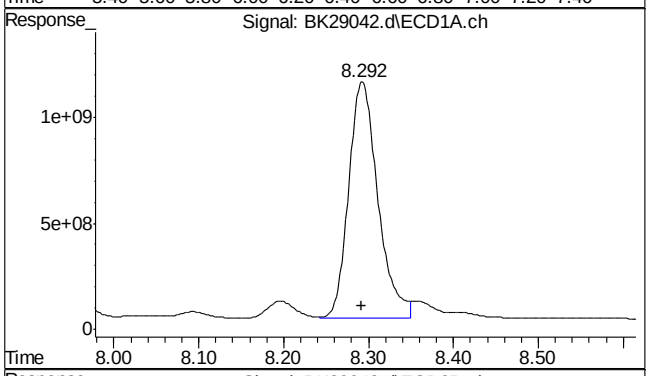
#9 AR1260-C

R.T.: 7.437 min
Delta R.T.: 0.000 min
Response: 37281232286
Conc: 839.20 ppb m



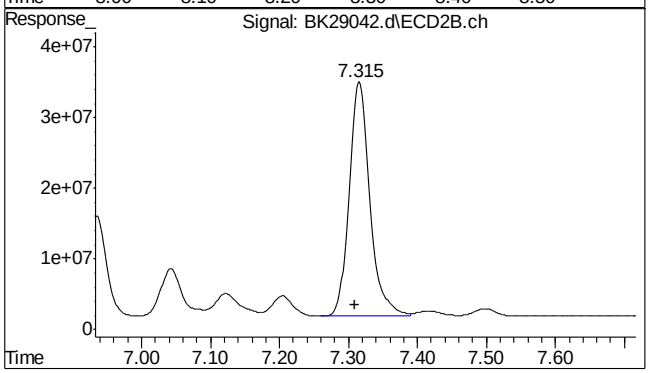
#9 AR1260-C

R.T.: 6.504 min
Delta R.T.: 0.005 min
Response: 879370705
Conc: 741.48 ppb m



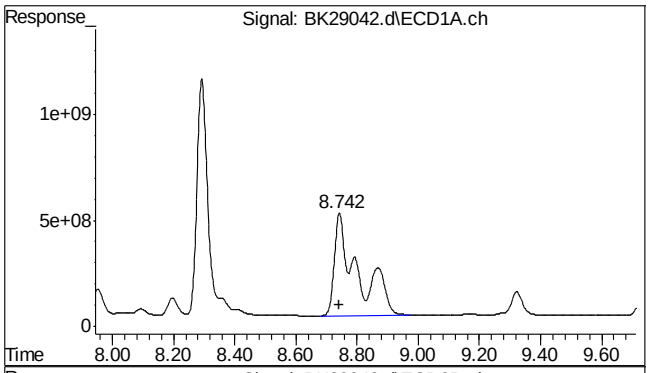
#10 AR1260-D

R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 26462955076
Conc: 842.31 ppb m



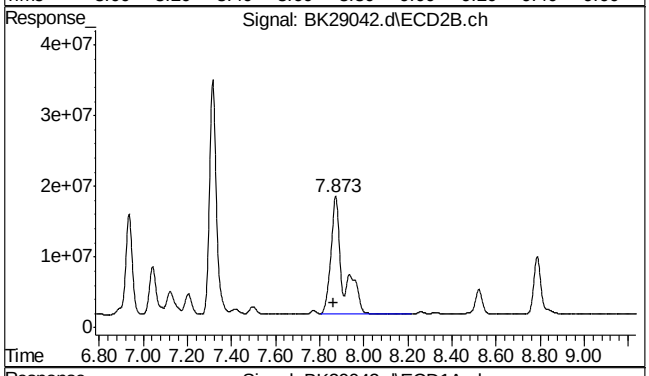
#10 AR1260-D

R.T.: 7.315 min
Delta R.T.: 0.006 min
Response: 697694772
Conc: 778.12 ppb m



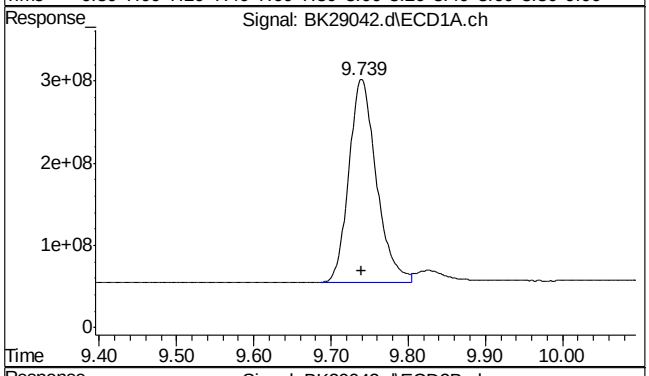
#11 AR1260-E

R.T.: 8.742 min
Delta R.T.: 0.000 min
Response: 24964353862
Conc: 841.29 ppb m



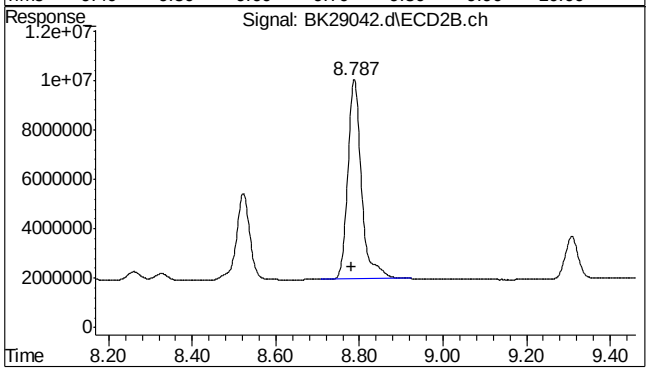
#11 AR1260-E

R.T.: 7.873 min
Delta R.T.: 0.006 min
Response: 658805333
Conc: 761.04 ppb m



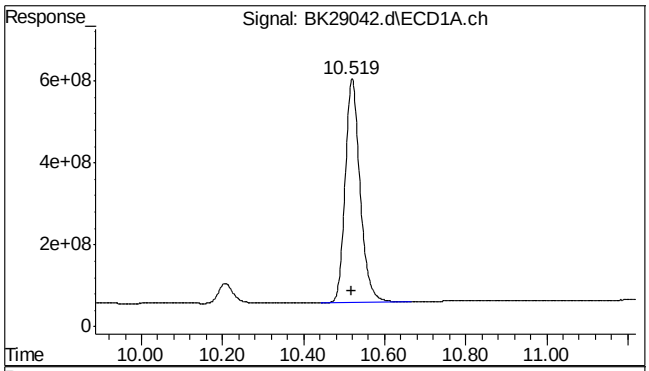
#12 AR1260-F

R.T.: 9.739 min
Delta R.T.: 0.000 min
Response: 6097295380
Conc: 835.96 m



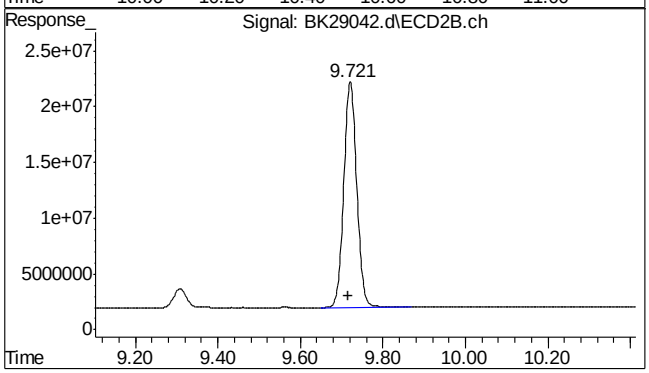
#12 AR1260-F

R.T.: 8.788 min
Delta R.T.: 0.007 min
Response: 184546675
Conc: 747.09



#13 DCB

R.T.: 10.519 min
Delta R.T.: 0.000 min
Response: 13964468805
Conc: 56.27 ppb m



#13 DCB

R.T.: 9.721 min
Delta R.T.: 0.005 min
Response: 440394202
Conc: 51.38 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/11/13 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29053.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 4:03 pm
Operator : nickk
Sample : cc979-750,a16/60
Misc : op34712,gbk984,15,,,10,,s
ALS Vial : 99 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 16:23:23 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.017	2.304	12527.2E6	372.8E6	59.967m	47.340m
	Spiked Amount 40.000			Recovery	= 149.92%	118.35%	
13) s	DCB	10.534	9.724	12716.4E6	380.1E6	51.245m	44.342m
	Spiked Amount 40.000			Recovery	= 128.11%	110.85%	
	Target Compounds						
2)	AR1016-A	3.354	2.678	3247.2E6	79334993	762.323	600.632m
3)	AR1016-B	3.716	3.015	6781.9E6	177.3E6	833.466m	591.636 #
4)	AR1016-C	4.222	3.432	13227.0E6	353.2E6	762.056m	611.166
5)	AR1016-D	4.374	3.563	8530.7E6	146.2E6	753.946m	653.511
6)	AR1016-E	4.856	4.044	5886.0E6	170.4E6	800.368m	612.941m
7)	AR1260-A	6.470	5.586	9765.1E6	249.5E6	786.286	632.297m
8)	AR1260-B	6.868	5.871	19951.5E6	299.2E6	786.158m	644.528
9)	AR1260-C	7.453	6.505	34251.2E6	783.7E6	770.993m	660.839m
10)	AR1260-D	8.309	7.317	23827.9E6	613.0E6	758.439m	683.613
11)	AR1260-E	8.759	7.875	22952.2E6	571.2E6	773.484m	659.848m
12)	AR1260-F	9.756	8.790	5456.3E6	158.6E6	748.073	642.008

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

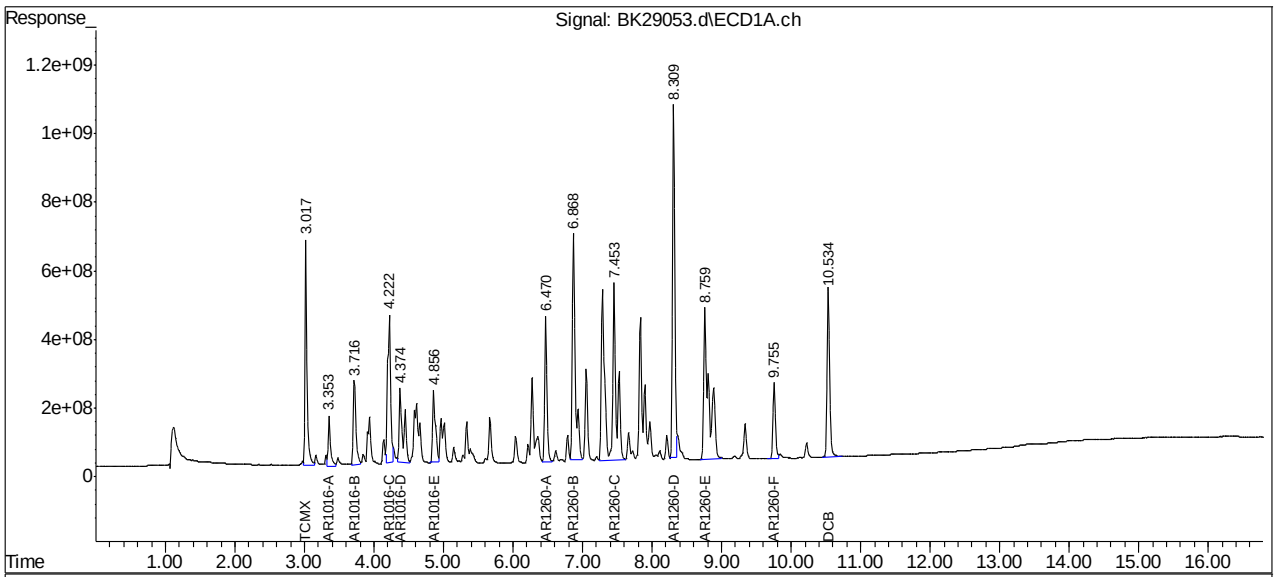
11.5.14
11

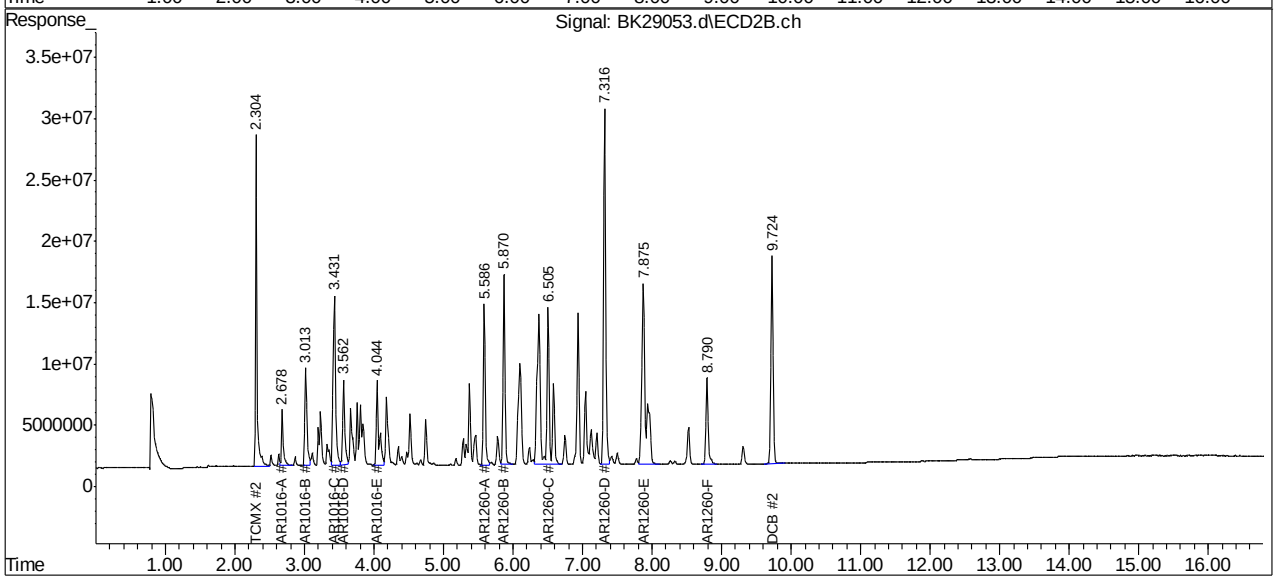
Quantitation Report (QT Reviewed)

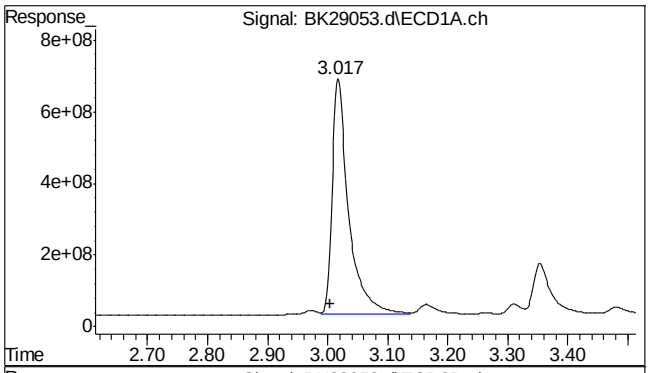
Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29053.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 4:03 pm
Operator : nickk
Sample : cc979-750,a16/60
Misc : op34712,gbk984,15,,,10,,s
ALS Vial : 99 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 16:23:23 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

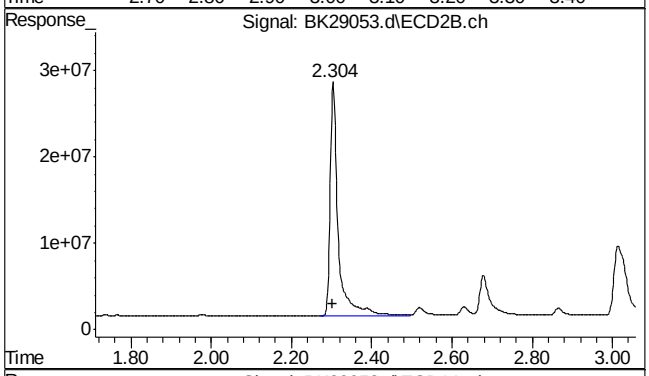






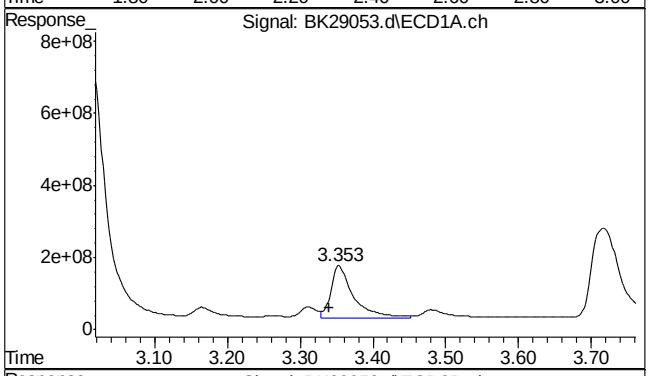
#1 TCMX

R.T.: 3.017 min
Delta R.T.: 0.013 min
Response: 12527240493
Conc: 59.97 ppb m



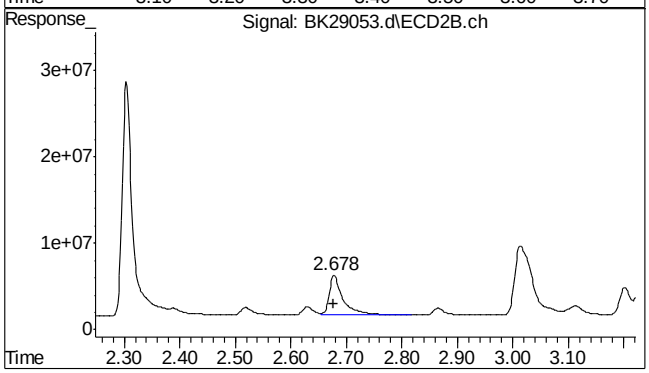
#1 TCMX

R.T.: 2.304 min
Delta R.T.: 0.000 min
Response: 372772354
Conc: 47.34 ppb m



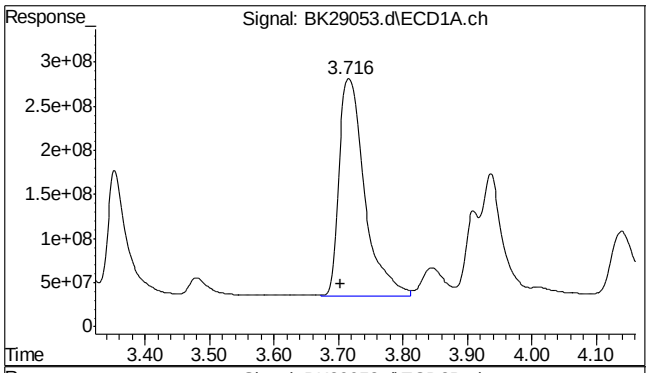
#2 AR1016-A

R.T.: 3.354 min
Delta R.T.: 0.014 min
Response: 3247213644
Conc: 762.32 ppb



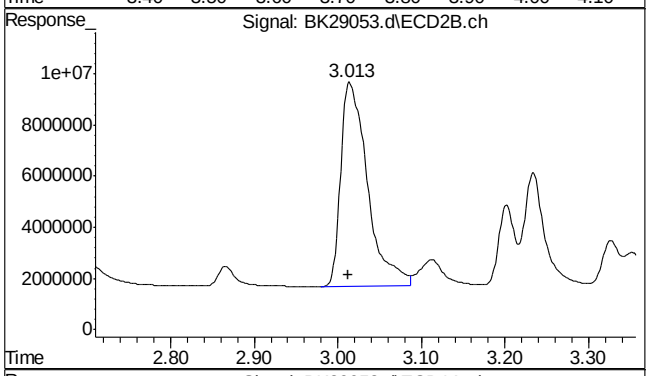
#2 AR1016-A

R.T.: 2.678 min
Delta R.T.: 0.000 min
Response: 79334993
Conc: 600.63 ppb m



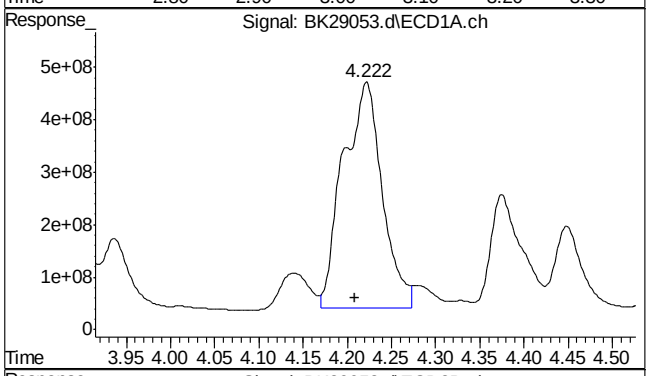
#3 AR1016-B

R.T.: 3.716 min
Delta R.T.: 0.013 min
Response: 6781862298
Conc: 833.47 ppb m



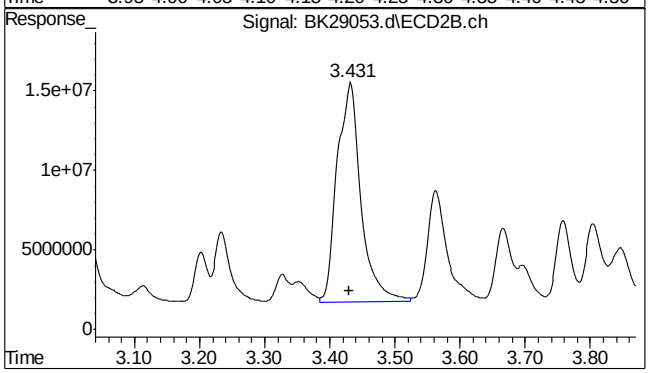
#3 AR1016-B

R.T.: 3.015 min
Delta R.T.: 0.002 min
Response: 177283810
Conc: 591.64 ppb



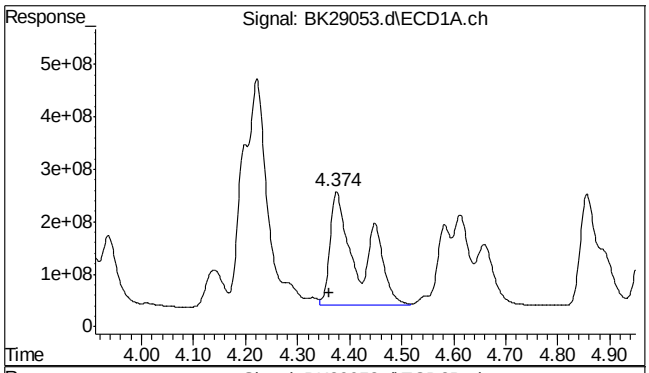
#4 AR1016-C

R.T.: 4.222 min
Delta R.T.: 0.013 min
Response: 13227044445
Conc: 762.06 ppb m



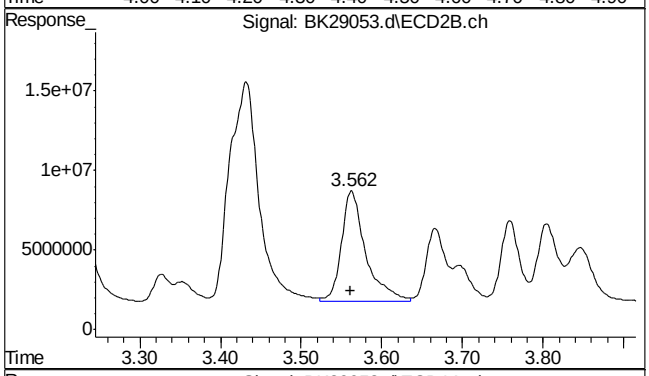
#4 AR1016-C

R.T.: 3.432 min
Delta R.T.: 0.001 min
Response: 353170350
Conc: 611.17 ppb



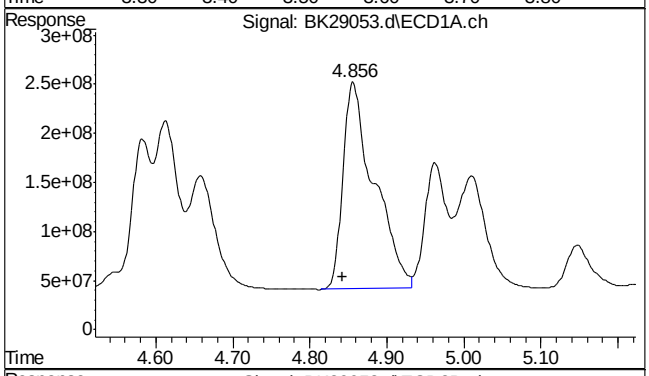
#5 AR1016-D

R.T.: 4.374 min
Delta R.T.: 0.013 min
Response: 8530681269
Conc: 753.95 m



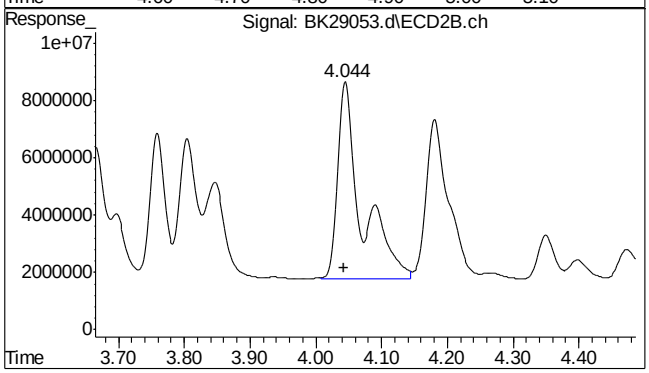
#5 AR1016-D

R.T.: 3.563 min
Delta R.T.: 0.002 min
Response: 146182061
Conc: 653.51



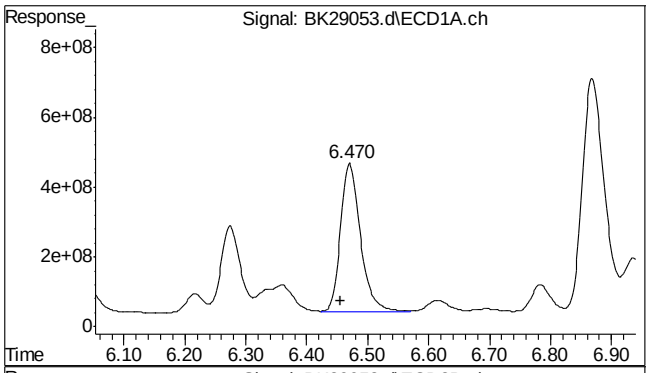
#6 AR1016-E

R.T.: 4.856 min
Delta R.T.: 0.013 min
Response: 5885993628
Conc: 800.37 m



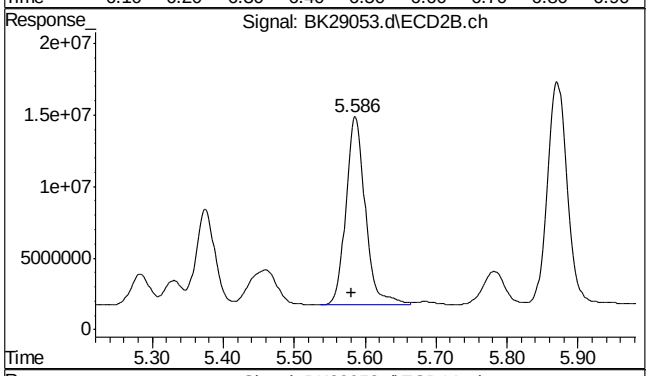
#6 AR1016-E

R.T.: 4.044 min
Delta R.T.: 0.001 min
Response: 170445922
Conc: 612.94 m



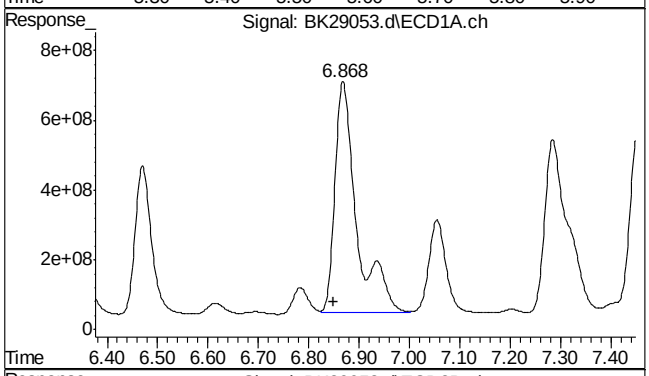
#7 AR1260-A

R.T.: 6.470 min
Delta R.T.: 0.016 min
Response: 9765075266
Conc: 786.29 ppb



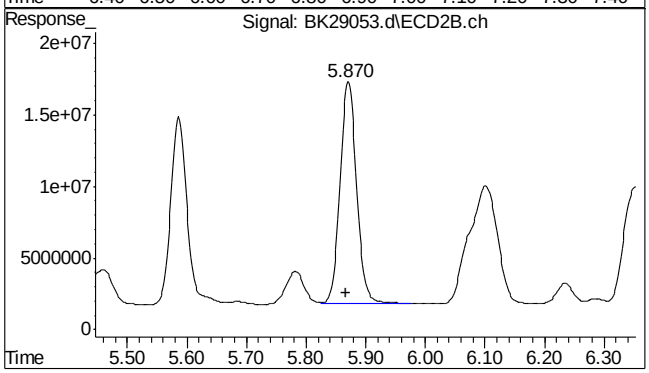
#7 AR1260-A

R.T.: 5.586 min
Delta R.T.: 0.004 min
Response: 249485181
Conc: 632.30 ppb m



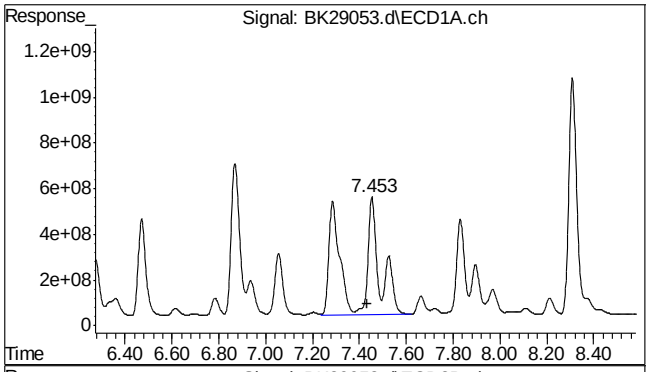
#8 AR1260-B

R.T.: 6.868 min
Delta R.T.: 0.017 min
Response: 19951509559
Conc: 786.16 ppb m



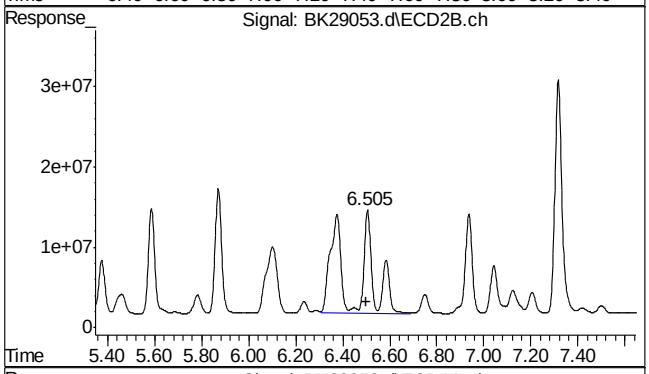
#8 AR1260-B

R.T.: 5.871 min
Delta R.T.: 0.005 min
Response: 299243899
Conc: 644.53 ppb



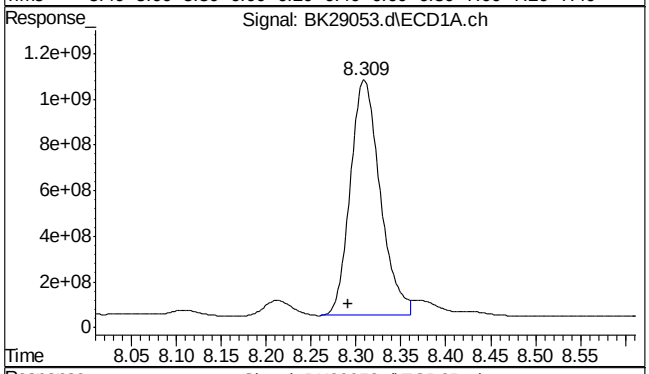
#9 AR1260-C

R.T.: 7.453 min
Delta R.T.: 0.017 min
Response: 34251187726
Conc: 770.99 ppb m



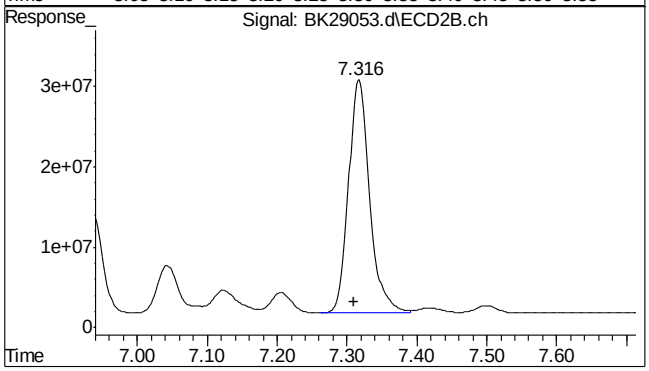
#9 AR1260-C

R.T.: 6.505 min
Delta R.T.: 0.006 min
Response: 783733282
Conc: 660.84 ppb m



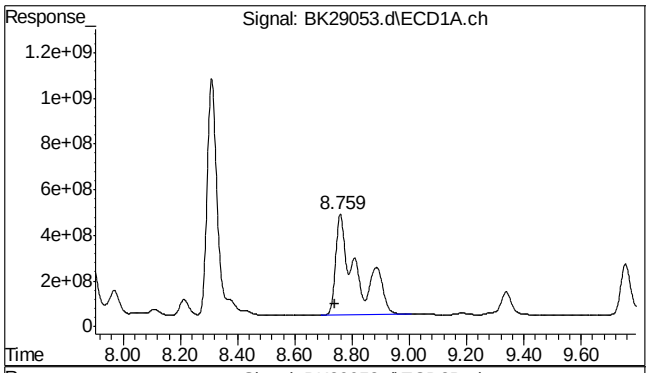
#10 AR1260-D

R.T.: 8.309 min
Delta R.T.: 0.017 min
Response: 23827850175
Conc: 758.44 ppb m



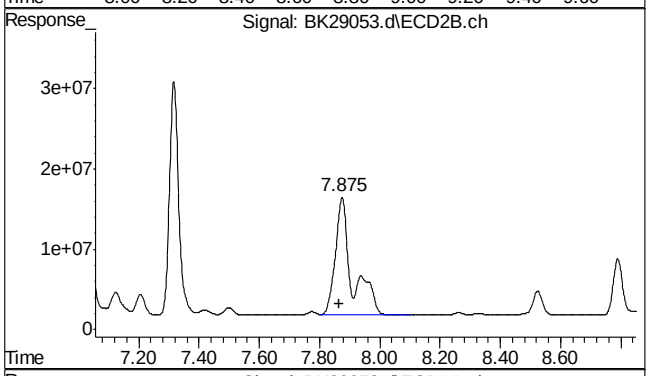
#10 AR1260-D

R.T.: 7.317 min
Delta R.T.: 0.008 min
Response: 612958202
Conc: 683.61 ppb



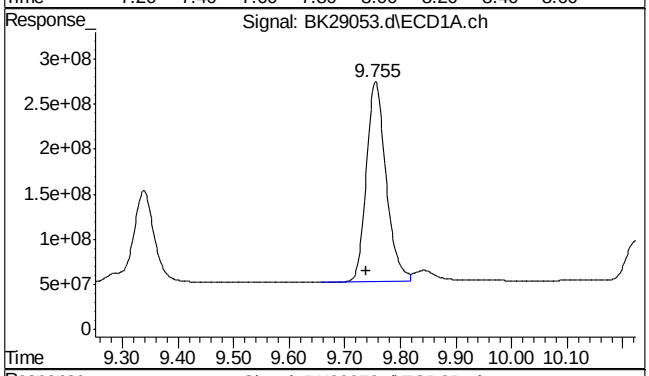
#11 AR1260-E

R.T.: 8.759 min
Delta R.T.: 0.017 min
Response: 22952211769
Conc: 773.48 ppb m



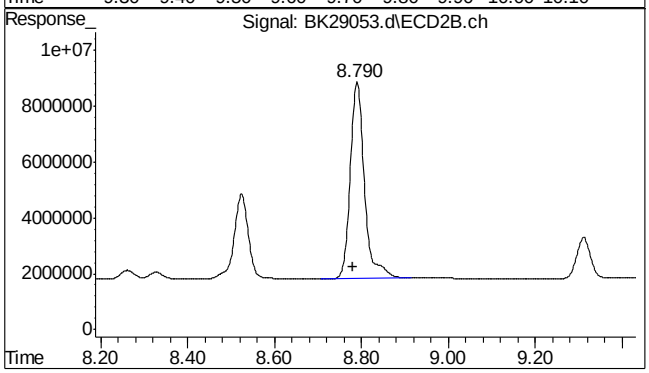
#11 AR1260-E

R.T.: 7.875 min
Delta R.T.: 0.008 min
Response: 571209805
Conc: 659.85 ppb m



#12 AR1260-F

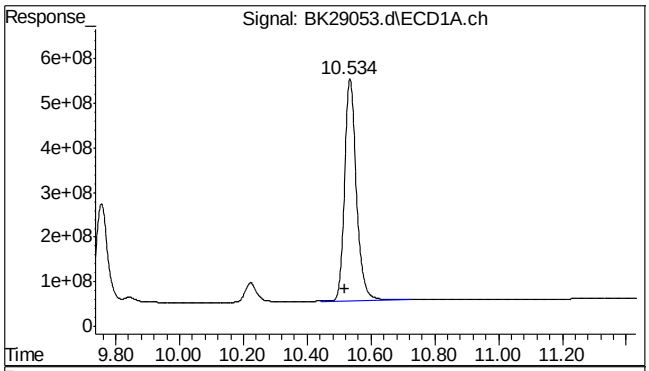
R.T.: 9.756 min
Delta R.T.: 0.016 min
Response: 5456275451
Conc: 748.07



#12 AR1260-F

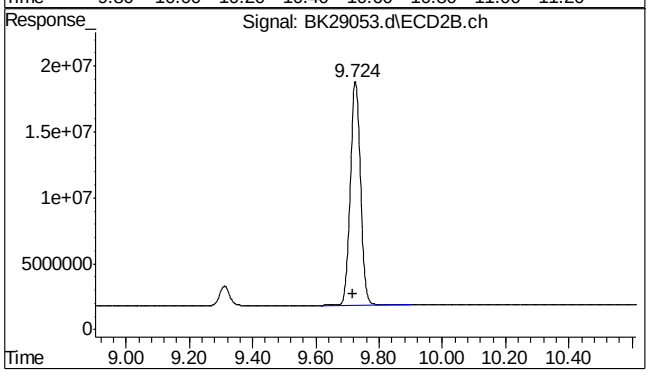
R.T.: 8.790 min
Delta R.T.: 0.009 min
Response: 158589166
Conc: 642.01

11.5.14
11



#13 DCB

R.T.: 10.534 min
Delta R.T.: 0.014 min
Response: 12716447490
Conc: 51.24 ppb m



#13 DCB

R.T.: 9.724 min
Delta R.T.: 0.009 min
Response: 380091147
Conc: 44.34 ppb m

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 9.5.13 Analyst Signature: NK pg 1 of 2

Standard Data

Lot #	Description	Conc
GS17003	A116/160	750 ng/L

NK 9.6.13

Column Information: Front : RTX-5 Alternate:
Rear : RTX-5 Alternate:
Sequence File: 130905
Quantitation Methods: PC130905
Instrument Run Batches: GBK979
Data Acquisition Methods: GC31PCB Inj. Vol: 1 µl
Inj. Vol:

Date of ICAL: 9.5.13 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
62	BK28887	A116/160	NA	P8082	NA	NA	Prime after Maintenance
51	88	ICV979-1000					A116/160 GS17002
52	89	-750					03
53	90	-500					04
54	91	-250					05
55	92	-100					06
56	93	-50					✓ 07
57	94	-500					A214 GS16990
58	95	-500					A226 ✓ 81
59	96	-500					A408 GS17126
60	97	✓ -500					A48 127
61	98	ICV979-500	✓		✓		A116/160 ✓ 009 ICV OK
1	✓ 99	OP34682-MB	OP34682		S		
2	BK28900	-BS					~~Recon 1:10~~ NK
3	01	-MS					NK ~~1:10, 1:100~~
4	02	✓ -MSD					NK ~~1:20~~
5	03	MC24044-4D					NK ~~1:5~~ Recon 1:10
6	04	-42					NK ~~1:5~~ 1:10, 1:100
7	05	-47					1:20
8	06	-49					1:5
9	07	-51					1:5
10	08	✓ -53					✓ 1:5
52	09	CCV979-750					A116/160 OK (TG)
11	10	MC24044-56					Recon 1:5
12	11	-58					1:20
13	12	-60					1:5
14	✓ 13	✓ -62	✓	✓	✓	✓	✓ 1:10, 1:50

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: _____ Lot#: _____

GC014-01
Date: 9/15/10

Review: _____

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 9.5.13 Analyst Signature: NK pg 2 of 2

Standard Data

~~Lot #~~	~~Description~~	~~Conc~~
	SEE PAGE 1	

Column Information: ~~Front : RTX-5 Alternate:~~
Rear : RTX-5 Alternate:
Sequence File:
Quantitation Methods:
Instrument Run Batches:
Data Acquisition Methods: SEE PAGE 1 Inj. Vol:
~~Inj. Vol:~~

Date of ICAL: ICAL Verified Sample positions verified against sequence:

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
15	BK28914	MC24044-64	GP34682	P8082	S	NA	Perm 1:50, 1:100
16	15	-66					1:10
17	16	-68					1:10
18	17	-70					1:20
19	18	-71					
20	19	-73					Perm 1:5
100	20	CCG979-750					A1&160 OK(TG)
21	21	MC24044-75					Perm 1:10, 1:100
100	22	CCG979-750					A1&160 OK(TG)

NK 9.6.13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC014-01
Date: 9/15/10

Review:

Accutest Laboratories of New England, Inc.

Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 9.10.13

Analyst Signature: NK pg 1 of 2

Standard Data

Lot #	Description	Conc
GS17003	A16/60	750 ug/L

NK 9.11.13

Column Information: Front : RTX-5 Alternate:

Rear : RTX-5 Alternate:

Sequence File: 130910

Quantitation Methods: PC130910

Instrument Run Batches: GBK984

Data Acquisition Methods: GC31PCB Inj. Vol: 1 µl

Inj. Vol:

Date of ICAL: 9.5.13 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext. Batch	Analysis	Matrix	Dilution	Comments
100	BK29031	CCC79-750	OP34712	P8082	S	NA	A16/60 OK
1	32	OP34712-MB					
2	33	-BS					
3	34	-MS					
4	35	-MSD					Double spike- RRD manual cal.
5	36	MC24045-57					
16	37	-57				1:5	
6	38	-58				NA	
7	39	-60					
17	40	-60				1:10	
8	41	-61				NA	
100	42	CCC79-750					A16/60 OK
9	43	MC24045-63					
18	44	-63				1:50	
10	45	-64				NA	
11	46	MC24023-2					
19	47	-2				1:10	
12	48	-5				NA	
13	49	-7					
14	50	MC24060-1					
15	51	MC24064-1					
20	52	OP34719-MB					
99	53	CCC79-750					A16/60 OK(sig)(TG)
21	54	OP34719-BS	OP34719				
22	55	-MS					
23	56	-MSD					
24	57	MC24052-1					

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: DiffChem Hex Lot#: 1709494

GC014-01
Date: 9/15/10

Review:

ACCUTEST LABORATORIES MC24023

11.6.2 11

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 9.10.13 Analyst Signature: NK pg 2 of 2

Standard Data

Lot #	Description	Conc
SEE PAGE 1		

Column Information: ~~Front : RTX-5 Alternate:~~
Rear : RTX-5 Alternate:
Sequence File:
Quantitation Methods:
Instrument Run Batches:
Data Acquisition Methods: SEE PAGE 1 Inj. Vol: ~~Inj. Vol:~~

Date of ICAL: ICAL Verified Sample positions verified against sequence:

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
25	BK29058	MC24052-2	OP34719	P8082	S	NA	
26	59	-3					
27	60	-4					
28	61	-6					
29	62	MC24047-1					MC24047-1
30	63	MC24125-1					
99	64	EC979-750					AR/LCO OK
31	65	MC24052-5					
32	66	-7					
33	67	MC24125-2					
34	68	MC24126-1					
35	69	-3					
36	70	MC24102-1					
37	71	-2					
99	72	EC979-750					AR/LCO OK

NK 9.11.13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC014-01
Date: 9/15/10

Review:

5

11.6.2 11

ACCUTEST LABORATORIES

Approximate Gram weight equals +/- 0.5g

Extracted by: NE
Spike Witness: MK
Concentrated by: AJ
Fractionated by:

Date/Time: 9/6/2013
Date/Time:
Batch: OP34712
Matrix: **Soil/Solid**; Sand Lot:
Analysis Method: P8082PCB, P8082RCP
Waste Dilution: SW3580 (Micro) SW 3546 #1

Extraction Method: Soxhlet: SW 3540C | ASE #1 SW 3545A | ASE #2 SW 3545A | ASE #3 SW3545A | ASE # 4 SW3545A | Sonicate SW3550B

	Sample	Bottle No.	ASE Position	Initial Weight (g)	Final Volume (ml)	**Cleanup/Comments (3660B, 3630, 3665, other)	Received by: Date:
1	OP34712 MB	n/a	n/a	15.34	10.0		9/9/13 HV
2	↓ BS	↓		15.82			
3	mc24045-61ms	1		15.36		Sand | Dirt | Rocks	
4	↓ -61msd			15.46		↓ ↓ ↓ Possible doublespk	
5	mc24045-57			15.30		↓ ↓ ↓	
6	-58			15.52		↓ ↓ ↓	
7	-60			15.28		↓ ↓ ↓	
8	-61			15.39		↓ ↓ ↓	
9	-63			15.58		↓ ↓ ↓	
10	↓ -64	↓		15.39		↓ ↓ ↓	
11	mc24023-2	2		5.79		very wet Rocks	
12	↓ -5	↓		15.23		Clay | Rocks	
13	↓ -7	↓		15.24			
14	mc24060-1	2		15.93		very wet Sand	
15	mc24064-1	↓	↓	15.69		(very) wet Sand | clay | rocks	✓
16							
17							
18							
19							
20							
21							
22						AJ 09/09/13	
23							
24							
25							

Fraction	Bottle #	Lot #	Concentration	Volume
Surrogate: PCB	4	P069935	4.0 ug/ml	100ml
Surrogate:				
Spike: PCB	2	P069946	40.0 ug/ml	100ml
Spike:				
Spike:				
Spike:				
Spike:				
Hexane Frac. Volume:	NA	NA	NA	
Soxhlet Start/Stop Date/Time:		Filter Paper Lot #	5843	

H2SO4 Lot #	J.T. Baker 43560
Ether:	
MeCl2:	101997
Hexane:	J.T. Baker 47029
MeCl2/Acetone:	
Acetone:	133706
Acetonitrile:	
Na Sulfate Lot #:	B-783
Silica Lot #:	
SPE MFG/Lot #:	
Copper:	14407 LEV Aldrich
Hydromatrix:	
Florisil:	
Sand Lot #:	

Balance ID: MCC-8
Water Bath Temp: 40C Water Bath ID: 023
Laboratory Percent Humidity:

*Note volume of extract: N = Normal, L = Low

Reviewed by:

Tray #: GC-42

** Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup; 3620 = Florisil
**For Soxhlet extraction document date/time started and finished

New England ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2090613S1.PRN Date Analyzed: 09/06/13 Methods: SW846 7471B
Analyst: EM Run ID: MA16055
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:32	MA16055-STD1	1		STD01REP1
11:35	MA16055-STD2	1		STD02REP1
11:37	MA16055-STD3	1		STD03REP1
11:40	MA16055-STD4	1		STD04REP1
11:42	MA16055-STD5	1		STD05REP1
11:45	MA16055-STD6	1		STD06REP1
11:47	MA16055-STD7	1		STD07REP1
11:50	MA16055-STD8	1		STD08REP1
11:53	MA16055-STD9	1		STD09REP1
11:56	MA16055-ICV1	1		
11:58	MA16055-ICB1	1		
12:01	MA16055-CCV1	1		
12:03	MA16055-CCB1	1		
12:05	MA16055-CRI1	1		
12:08	MP21596-MB1	1		
12:10	MP21596-B1	1		
12:13	MP21596-B2	1		
12:15	MP21596-S1	1		
12:18	MP21596-S2	1		
12:20	MC24085-2	1		(sample used for QC only; not part of login MC24023)
12:22	MP21596-LC1	10		
12:25	MC24023-2	1		
---------->	Last reportable sample/prep for job MC24023			
12:27	ZZZZZZ	1		
12:29	MA16055-CCV2	1		
12:32	MA16055-CCB2	1		
12:34	ZZZZZZ	1		
12:37	ZZZZZZ	1		
12:39	ZZZZZZ	1		
12:42	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:53	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2090613S1.PRN Date Analyzed: 09/06/13 Methods: SW846 7471B
Analyst: EM Run ID: MA16055
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:56	ZZZZZZ	1		
12:59	ZZZZZZ	1		
13:01	MA16055-CCV3	1		
13:03	MA16055-CCB3	1		
13:07	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:11	ZZZZZZ	1		
13:15	MA16055-CRI2	1		
13:20	MA16055-CCV4	1		
13:22	MA16055-CCB4	1		

----------> Last reportable CCB for job MC24023
Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2090613S1.PRN Date Analyzed: 09/06/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA16055 Units: ug/l

Time:			11:58		12:03		12:32		13:03	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.018	0.037	<0.20	0.052	<0.20	0.026	<0.20	0.044	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2090613S1.PRN Date Analyzed: 09/06/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA16055 Units: ug/l

Time:			13:22	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Mercury	0.20	.018	0.075	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2090613S1.PRN Date Analyzed: 09/06/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA16055 Units: ug/l

Time:		11:56			12:01			12:29	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	4	3.9	97.5	3.0	3.0	100.0	3.0	3.0	100.0

(*) Outside of QC limits
(anr) Analyte not requested

12.1.2
12

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2090613S1.PRN Date Analyzed: 09/06/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA16055 Units: ug/l

Time:		13:01			13:20	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	3.0	3.0	100.0	3	3.1	103.3

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2090613S1.PRN Date Analyzed: 09/06/13 Methods: SW846 7471B
QC Limits: 80 to 120 % Recovery Run ID: MA16055 Units: ug/l

Time:			12:05		13:15	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.23	115.0	0.23	115.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090613M1.ICP Date Analyzed: 09/06/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16058
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:17	MA16058-STD1	1		STD1
10:22	MA16058-STD2	1		STD2
10:26	MA16058-STD3	1		STD3
10:30	MA16058-STD4	1		STD4
10:35	MA16058-ICV1	1		
10:41	MA16058-ICB1	1		
10:45	MA16058-CCV1	1		
10:51	MA16058-CCB1	1		
10:55	MA16058-CRIA1	1		
10:59	MA16058-ICSA1	1		
11:04	MA16058-ICSAB1	1		
11:08	MP21595-B1	1		
11:12	MP21595-MB1	1		
11:17	MP21595-S1	1		
11:21	MP21595-S2	1		
11:25	MC24052-2	1		(sample used for QC only; not part of login MC24023)
11:30	MP21595-SD1	5		
11:34	MP21595-B2	1		
11:38	MA16058-CCV2	1		
11:42	MA16058-CCB2	1		
11:47	MP21595-LC1	1		
11:51	ZZZZZZ	1		
11:55	ZZZZZZ	1		
11:59	ZZZZZZ	1		
12:04	ZZZZZZ	1		
12:08	ZZZZZZ	1		
12:12	ZZZZZZ	1		
12:16	MC24023-2	1		
12:21	ZZZZZZ	1		
12:25	ZZZZZZ	1		
12:29	MA16058-CCV3	1		
12:34	MA16058-CCB3	1		
12:38	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090613M1.ICP Date Analyzed: 09/06/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16058
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:42	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:51	ZZZZZZ	1		
12:55	ZZZZZZ	1		
13:00	ZZZZZZ	1		
13:04	MP21595-PS1	1		
---------->	Last reportable sample/prep for job MC24023			
13:09	MA16058-CRIA2	1		
13:14	MA16058-ICSA2	1		
13:18	MA16058-ICSAB2	1		
13:22	MA16058-CCV4	1		
13:26	MA16058-CCB4	1		
---------->	Last reportable CCB for job MC24023			
	Refer to raw data for calibration curve and standards.			

INTERNAL STANDARD SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090613M1.ICP Date Analyzed: 09/06/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16058
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
10:17	MA16058-STD1	2464 R	74329 R	7274 R
10:22	MA16058-STD2	2508	75934	6912
10:26	MA16058-STD3			7015
10:30	MA16058-STD4	2551	74680	7138
10:35	MA16058-ICV1	2519	74921	6930
10:41	MA16058-ICB1	2512	75552	7065
10:45	MA16058-CCV1	2501	74963	6967
10:51	MA16058-CCB1	2507	75519	6961
10:55	MA16058-CRIA1	2502	75380	6985
10:59	MA16058-ICSA1	2274	69842	6840
11:04	MA16058-ICSAB1	2281	69533	6584
11:08	MP21595-B1	2428	74616	6870
11:12	MP21595-MB1	2460	76344	6955
11:17	MP21595-S1	2561	80309	7307
11:21	MP21595-S2	2544	79571	7310
11:25	MC24052-2	2538	79698	7378
11:30	MP21595-SD1	2447	76094	7009
11:34	MP21595-B2	2396	75088	6769
11:38	MA16058-CCV2	2407	75754	6873
11:42	MA16058-CCB2	2431	76054	6838
11:47	MP21595-LC1	2608	81602	7398
11:51	ZZZZZZ	2588	79710	7493
11:55	ZZZZZZ	2653	81527	7603
11:59	ZZZZZZ	2632	79730	7620
12:04	ZZZZZZ	2603	78549	7515
12:08	ZZZZZZ	2627	79639	7404
12:12	ZZZZZZ	2570	78297	7412
12:16	MC24023-2	2598	80446	7597
12:21	ZZZZZZ	2668	81193	7538
12:25	ZZZZZZ	2646	82023	7528
12:29	MA16058-CCV3	2457	77005	6747
12:34	MA16058-CCB3	2471	76492	6808
12:38	ZZZZZZ	2613	81646	7449

INTERNAL STANDARD SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090613M1.ICP Date Analyzed: 09/06/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16058
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
12:42	ZZZZZZ	2611	81057	7497
12:47	ZZZZZZ	2655	83091	7766
12:51	ZZZZZZ	2656	81772	7587
12:55	ZZZZZZ	2664	80997	7484
13:00	ZZZZZZ	3026	91866	8771
13:04	MP21595-PS1	2584	79606	7430
13:09	MA16058-CRIA2	2525	76241	7249
13:14	MA16058-ICSA2	2305	69253	6991
13:18	MA16058-ICSAB2	2309	70056	6865
13:22	MA16058-CCV4	2512	75372	7093
13:26	MA16058-CCB4	2514	75009	7050

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090613M1.ICP Date Analyzed: 09/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16058 Units: ug/l

Time: / Sample ID:			10:41 ICB1		10:51 CCB1		11:42 CCB2		12:34 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.1	anr							
Antimony	10	1.1	anr							
Arsenic	10	2.2	-1.3	<10	0.20	<10	-1.1	<10	-1.0	<10
Barium	50	.19	0.20	<50	0.10	<50	0.40	<50	0.50	<50
Beryllium	4.0	.08	anr							
Boron	100	.81								
Cadmium	4.0	.22	0.40	<4.0	0.40	<4.0	0.30	<4.0	0.50	<4.0
Calcium	5000	8.5	anr							
Chromium	10	.74	0.60	<10	-0.10	<10	0.60	<10	0.30	<10
Cobalt	50	.28	anr							
Copper	25	.86	anr							
Gold	50	1.8								
Iron	100	4.4	anr							
Lead	10	1.6	0.20	<10	0.10	<10	-0.50	<10	0.10	<10
Magnesium	5000	43	anr							
Manganese	15	.17	anr							
Molybdenum	100	.4								
Nickel	40	.45	anr							
Palladium	50	2								
Platinum	50	8.7								
Potassium	5000	24	anr							
Selenium	10	1.4	0.50	<10	0.10	<10	0.70	<10	0.90	<10
Silicon	100	2.1								
Silver	5.0	.47	-0.20	<5.0	-0.80	<5.0	-0.60	<5.0	-0.70	<5.0
Sodium	5000	42	anr							
Strontium	10	.1								
Thallium	10	1.7	anr							
Tin	100	1.5								
Titanium	50	.48								
Tungsten	100	9.3								
Vanadium	10	.9	anr							
Zinc	20	.91	anr							
Zirconium	50	.76								

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090613M1.ICP Date Analyzed: 09/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16058 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090613M1.ICP Date Analyzed: 09/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16058 Units: ug/l

Time:			13:26	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Aluminum	200	6.1	anr	
Antimony	10	1.1	anr	
Arsenic	10	2.2	0.70	<10
Barium	50	.19	0.40	<50
Beryllium	4.0	.08	anr	
Boron	100	.81		
Cadmium	4.0	.22	0.40	<4.0
Calcium	5000	8.5	anr	
Chromium	10	.74	0.50	<10
Cobalt	50	.28	anr	
Copper	25	.86	anr	
Gold	50	1.8		
Iron	100	4.4	anr	
Lead	10	1.6	-0.20	<10
Magnesium	5000	43	anr	
Manganese	15	.17	anr	
Molybdenum	100	.4		
Nickel	40	.45	anr	
Palladium	50	2		
Platinum	50	8.7		
Potassium	5000	24	anr	
Selenium	10	1.4	2.1	<10
Silicon	100	2.1		
Silver	5.0	.47	-0.40	<5.0
Sodium	5000	42	anr	
Strontium	10	.1		
Thallium	10	1.7	anr	
Tin	100	1.5		
Titanium	50	.48		
Tungsten	100	9.3		
Vanadium	10	.9	anr	
Zinc	20	.91	anr	
Zirconium	50	.76		

(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090613M1.ICP Date Analyzed: 09/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16058 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090613M1.ICP Date Analyzed: 09/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16058 Units: ug/l

Time:		10:35			10:45			11:38	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	3000	3090	103.0	2000	1990	99.5	2000	1890	94.5
Barium	3000	3110	103.7	2000	1980	99.0	2000	1970	98.5
Beryllium	anr								
Boron									
Cadmium	3000	2970	99.0	2000	1960	98.0	2000	2100	105.0
Calcium	anr								
Chromium	3000	3080	102.7	2000	1980	99.0	2000	1980	99.0
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	3000	2910	97.0	2000	1940	97.0	2000	2000	100.0
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	3000	3010	100.3	2000	1970	98.5	2000	2010	100.5
Silicon									
Silver	500	513	102.6	250	249	99.6	250	253	101.2
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								
Zirconium									

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090613M1.ICP Date Analyzed: 09/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16058 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090613M1.ICP Date Analyzed: 09/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16058 Units: ug/l

Time:		12:29			13:22	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	anr					
Arsenic	2000	1930	96.5	2000	2010	100.5
Barium	2000	2030	101.5	2000	1960	98.0
Beryllium	anr					
Boron						
Cadmium	2000	2050	102.5	2000	1980	99.0
Calcium	anr					
Chromium	2000	1940	97.0	2000	1980	99.0
Cobalt	anr					
Copper	anr					
Gold						
Iron	anr					
Lead	2000	1970	98.5	2000	1950	97.5
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Platinum						
Potassium	anr					
Selenium	2000	1990	99.5	2000	2010	100.5
Silicon						
Silver	250	248	99.2	250	249	99.6
Sodium	anr					
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					
Zirconium						

(*) Outside of QC limits

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090613M1.ICP Date Analyzed: 09/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16058 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090613M1.ICP Date Analyzed: 09/06/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16058 Units: ug/l

Time:			10:55		13:09	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	200	200	anr			
Antimony	6.0	10	anr			
Arsenic	4.0	10	8.9	89.0	9.6	96.0
Barium	50	50	51.5	103.0	50.5	101.0
Beryllium	4.0	4.0	anr			
Boron	100	100				
Cadmium	4.0	4.0	4.5	112.5	4.5	112.5
Calcium	5000	5000	anr			
Chromium	10	10	10.2	102.0	10.5	105.0
Cobalt	50	50	anr			
Copper	25	25	anr			
Gold	50	50				
Iron	100	100	anr			
Lead	5.0	10	9.5	95.0	10.1	101.0
Magnesium	5000	5000	anr			
Manganese	15	15	anr			
Molybdenum	100	100				
Nickel	40	40	anr			
Palladium	50	50				
Platinum	50	50				
Potassium	5000	5000	anr			
Selenium	10	10	10.9	109.0	10.7	107.0
Silicon	100	100				
Silver	5.0	5.0	4.1	82.0	4.8	96.0
Sodium	5000	5000	anr			
Strontium	10	10				
Thallium	5.0	10	anr			
Tin	100	100				
Titanium	50	50				
Tungsten	100	100				
Vanadium	10	10	anr			
Zinc	20	20	anr			
Zirconium	50	50				

(*) Outside of QC limits

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090613M1.ICP Date Analyzed: 09/06/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16058 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090613M1.ICP Date Analyzed: 09/06/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16058 Units: ug/l

Time:			10:59		11:04		13:14		13:18	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	523000	104.6	552000	110.4	526000	105.2	537000	107.4
Antimony		2000	-1.6		2080	104.0	-1.5		2080	104.0
Arsenic		2000	-1.3		2060	103.0	0.50		2070	103.5
Barium		500	-0.70		533	106.6	-0.50		516	103.2
Beryllium		500	0.10		494	98.8	0.10		482	96.4
Boron		1000	3.1		1010	101.0	3.4		1010	101.0
Cadmium		1000	0.50		1030	103.0	0.50		1030	103.0
Calcium	500000	500000	453000	90.6	469000	93.8	450000	90.0	460000	92.0
Chromium		500	0.50		489	97.8	0.50		487	97.4
Cobalt		500	0.80		459	91.8	0.50		459	91.8
Copper		500	0.10		511	102.2	-0.10		507	101.4
Gold		500	0.0		491	98.2	-0.50		492	98.4
Iron	200000	200000	184000	92.0	194000	97.0	182000	91.0	187000	93.5
Lead		1000	-0.80		903	90.3	0.30		902	90.2
Magnesium	500000	500000	489000	97.8	514000	102.8	485000	97.0	496000	99.2
Manganese		500	-0.20		498	99.6	-0.10		499	99.8
Molybdenum		1000	-0.50		964	96.4	-1.0		968	96.8
Nickel		1000	-1.7		880	88.0	-2.1		879	87.9
Palladium		500	-40		483	96.6	-43		483	96.6
Platinum		500	-23		459	91.8	-26		463	92.6
Potassium			-1.2		38.8		98.6		93.1	
Selenium		2000	-2.0		2040	102.0	-3.0		2060	103.0
Silicon		2000	47.2		2160	108.0	50.3		2170	108.5
Silver		1000	-0.10		1060	106.0	-0.70		1050	105.0
Sodium			71.3		66.4		68.7		58.1	
Strontium		1000	1.6		1050	105.0	1.5		1010	101.0
Thallium		2000	-0.10		1900	95.0	-0.10		1910	95.5
Tin		1000	-0.10		975	97.5	0.0		976	97.6
Titanium		500	7.7		504	100.8	8.6		502	100.4
Tungsten		2000	-26		1860	93.0	-29		1840	92.0
Vanadium		500	0.70		500	100.0	0.70		497	99.4
Zinc		1000	-0.40		908	90.8	-0.80		907	90.7
Zirconium		500	-3.1		419	83.8	-3.1		421	84.2

(*) Outside of QC limits

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB090613M1.ICP Date Analyzed: 09/06/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16058 Units: ug/l

Time:	
Sample ID:	
Metal	

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21595
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 09/06/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	.61	3.6		
Antimony	1.0	.11	.15		
Arsenic	1.0	.22	.21	-0.050	<1.0
Barium	5.0	.019	.073	0.060	<5.0
Beryllium	0.40	.008	.024		
Boron	10	.081	.11		
Cadmium	0.40	.022	.042	0.030	<0.40
Calcium	500	.85	6.3		
Chromium	1.0	.074	.095	0.10	<1.0
Cobalt	5.0	.028	.047		
Copper	2.5	.086	.56		
Gold	5.0	.18	.43		
Iron	10	.44	.87		
Lead	1.0	.16	.17	0.0	<1.0
Magnesium	500	4.3	5.1		
Manganese	1.5	.017	.04		
Molybdenum	10	.04	.07		
Nickel	4.0	.045	.044		
Palladium	5.0	.2	.64		
Platinum	5.0	.87	1.5		
Potassium	500	2.4	8.6		
Selenium	1.0	.14	.35	0.040	<1.0
Silicon	10	.21	3.3		
Silver	0.50	.047	.13	-0.050	<0.50
Sodium	500	4.2	3.3		
Strontium	1.0	.01	.03		
Thallium	1.0	.17	.13		
Tin	10	.15	.14		
Titanium	5.0	.048	.14		
Tungsten	10	.93	.94		
Vanadium	1.0	.09	.13		
Zinc	2.0	.091	.16		
Zirconium	5.0	.076	.088		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21595 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date:

Metal

Associated samples MP21595: MC24023-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21595
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 09/06/13

Metal	MC24052-2 Original	MS	Spikelot MPICP	% Rec	QC Limits
Aluminum	anr				
Antimony	anr				
Arsenic	3.3	45.3	43.6	96.4	75-125
Barium	68.0	263	174	111.8	75-125
Beryllium	anr				
Boron					
Cadmium	0.18	42.1	43.6	96.2	75-125
Calcium	anr				
Chromium	9.5	50.3	43.6	93.6	75-125
Cobalt	anr				
Copper	anr				
Gold					
Iron	anr				
Lead	5.9	83.3	87.2	88.8	75-125
Magnesium	anr				
Manganese	anr				
Molybdenum					
Nickel	anr				
Palladium					
Platinum					
Potassium	anr				
Selenium	0.0	40.5	43.6	92.9	75-125
Silicon					
Silver	0.0	16.0	17.4	91.8	75-125
Sodium	anr				
Strontium					
Thallium	anr				
Tin					
Titanium					
Tungsten					
Vanadium	anr				
Zinc	anr				
Zirconium					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21595
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21595: MC24023-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21595
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 09/06/13

Metal	MC24052-2 Original	MSD	Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	3.3	45.2	43.6	96.1	0.2	20
Barium	68.0	243	174	100.4	7.9	20
Beryllium	anr					
Boron						
Cadmium	0.18	42.0	43.6	95.9	0.2	20
Calcium	anr					
Chromium	9.5	50.3	43.6	93.6	0.0	20
Cobalt	anr					
Copper	anr					
Gold						
Iron	anr					
Lead	5.9	83.2	87.2	88.7	0.1	20
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Platinum						
Potassium	anr					
Selenium	0.0	39.9	43.6	91.5	1.5	20
Silicon						
Silver	0.0	15.8	17.4	90.6	1.3	20
Sodium	anr					
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					
Zirconium						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21595
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21595: MC24023-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21595
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 09/06/13 09/06/13

Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum	anr								
Antimony	anr								
Arsenic	51.1	50	102.2	80-120	49.2	50	98.4	3.8	20
Barium	196	200	98.0	80-120	197	200	98.5	0.5	20
Beryllium	anr								
Boron									
Cadmium	50.1	50	100.2	80-120	51.9	50	103.8	3.5	20
Calcium	anr								
Chromium	50.9	50	101.8	80-120	51.1	50	102.2	0.4	20
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	94.6	100	94.6	80-120	96.2	100	96.2	1.7	20
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	49.2	50	98.4	80-120	49.8	50	99.6	1.2	20
Silicon									
Silver	19.4	20	97.0	80-120	19.7	20	98.5	1.5	20
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								
Zirconium									

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21595
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21595: MC24023-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21595
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 09/06/13

Metal	LCS Result	Spikelot MPLCS78	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	89.0	94.5	94.2	82-117
Barium	170	166	102.4	83-116
Beryllium	anr			
Boron				
Cadmium	62.8	59.9	104.8	84-116
Calcium	anr			
Chromium	71.1	69.3	102.6	81-119
Cobalt	anr			
Copper	anr			
Gold				
Iron	anr			
Lead	88.6	91.7	96.6	82-118
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Palladium				
Platinum				
Potassium	anr			
Selenium	161	159	101.3	79-121
Silicon				
Silver	34.0	33.9	100.3	66-134
Sodium	anr			
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			
Zirconium				

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21595
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Associated samples MP21595: MC24023-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21595
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 09/06/13

Metal	MC24052-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	38.6	42.5	10.1 (a)	0-10
Barium	786	845	7.5	0-10
Beryllium	anr			
Boron				
Cadmium	2.10	3.30	57.1 (a)	0-10
Calcium	anr			
Chromium	110	123	12.0 (b)	0-10
Cobalt	anr			
Copper	anr			
Gold				
Iron	anr			
Lead	68.3	73.5	7.6	0-10
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Palladium				
Platinum				
Potassium	anr			
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium	anr			
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			
Zirconium				

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21595
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Associated samples MP21595: MC24023-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

POST DIGESTATE SPIKE SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21595
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 09/06/13

Metal	Sample ml	Final ml	MC24052-2 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Boron										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Gold										
Iron										
Lead										
Magnesium										
Manganese										
Molybdenum										
Nickel										
Palladium										
Platinum										
Potassium										
Selenium										
Silicon										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Tungsten										
Vanadium										
Zinc										
Zirconium										

POST DIGESTATE SPIKE SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21595
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Associated samples MP21595: MC24023-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21596 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/06/13

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0029	.0097	0.010	<0.033

Associated samples MP21596: MC24023-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21596
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 09/06/13

Metal	MC24085-2 Original	MS	Spikelot HGRWS1	% Rec	QC Limits
Mercury	0.014	0.54	0.493	106.6	80-120

Associated samples MP21596: MC24023-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21596 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/06/13

Metal	MC24085-2 Original	MSD	Spikelot HGRWS1	% Rec	MSD RPD	QC Limit
Mercury	0.014	0.53	0.486	106.2	1.9	20

Associated samples MP21596: MC24023-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21596 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/06/13 09/06/13

Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	0.53	0.5	106.0	80-120	0.53	0.5	106.0	0.0	30

Associated samples MP21596: MC24023-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC24023
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21596
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 09/06/13

Metal	LCS Result	Spikelot HGLCS78	% Rec	QC Limits
Mercury	4.2	4.05	103.7	72-128

Associated samples MP21596: MC24023-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

New England ACCUTEST LABORATORIES

Metals Analysis

Raw Data

```
                                  Folder:   #HG18    **PUBLIC FOLDER **   Page    1
                                  Protocol:
                                 ***POST-RUN REPORT***
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  2006    11:32:50 06 Sep 13   HG

Hg    .000    ppb       -9

*** Standard: 2 Rep: 1              Seq:  2007    11:35:32 06 Sep 13   HG

Hg    .200    ppb      1913

*** Standard: 3 Rep: 1              Seq:  2008    11:37:59 06 Sep 13   HG

Hg    .500    ppb      4524

*** Standard: 4 Rep: 1              Seq:  2009    11:40:31 06 Sep 13   HG

Hg    1.00    ppb      8726

*** Standard: 5 Rep: 1              Seq:  2010    11:42:56 06 Sep 13   HG

Hg    2.00    ppb      17115

*** Standard: 6 Rep: 1              Seq:  2011    11:45:31 06 Sep 13   HG

Hg    3.00    ppb      27518

*** Standard: 7 Rep: 1              Seq:  2012    11:47:57 06 Sep 13   HG

Hg    4.00    ppb      37772

*** Standard: 8 Rep: 1              Seq:  2013    11:50:40 06 Sep 13   HG

Hg    5.00    ppb      47715

*** Standard: 9 Rep: 1              Seq:  2014    11:53:06 06 Sep 13   HG

Hg    6.00    ppb      56271

*** Sample ID: ICV        H2090613S1 Seq:  2015   11:56:07 06 Sep 13   HG

Hg    3.92    ppb       .000      3.92

===============================================================================
*** Sample ID: ICB        H2090613S1 Seq:  2016   11:58:29 06 Sep 13   HG

Hg    .037    ppb       .000      .037
                                                                             =
===============================================================================
```

Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCV H2090613S1 Seq: 2017 12:01:00 06 Sep 13 HG								
Hg	3.01	ppb	.000	3.01				
*** Sample ID: CCB H2090613S1 Seq: 2018 12:03:24 06 Sep 13 HG								
Hg	.052	ppb	.000	.052				
*** Sample ID: CRI H2090613S1 Seq: 2019 12:05:50 06 Sep 13 HG								
Hg	.234	ppb	.000	.234				
*** Sample ID: MP21596MB1 H2090613S1 Seq: 2020 12:08:14 06 Sep 13 HG								
Hg	.062	ppb	.000	.062				
*** Sample ID: MP21596-B1 H2090613S1 Seq: 2021 12:10:38 06 Sep 13 HG								
Hg	3.15	ppb	.000	3.15				
*** Sample ID: MP21596-B2 H2090613S1 Seq: 2022 12:13:00 06 Sep 13 HG								
Hg	3.17	ppb	.000	3.17				
*** Sample ID: MP21596-S1 H2090613S1 Seq: 2023 12:15:22 06 Sep 13 HG MC24085-2								
Hg	3.26	ppb	.000	3.26				
*** Sample ID: MP21596-S2 H2090613S1 Seq: 2024 12:18:04 06 Sep 13 HG MC24085-2								
Hg	3.29	ppb	.000	3.29				
*** Sample ID: MC24085-2 H2090613S1 Seq: 2025 12:20:31 06 Sep 13 HG								
Hg	.086	ppb	.000	.086				
*** Sample ID: MP21596LC1 H2090613S1 Seq: 2026 12:22:53 06 Sep 13 HG Wgt 1.0000 Vol 10.000								
Hg	25.3	ppb	.000	25.3				

Folder: #HG18 **PUBLIC FOLDER ** Page 3
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC24023-2 H2090613S1 Seq: 2027 12:25:16 06 Sep 13 HG								
Hg	.745	ppb	.000	.745				
*** Sample ID: MC24047-1 H2090613S1 Seq: 2028 12:27:38 06 Sep 13 HG								
Hg	.116	ppb	.000	.116				
*** Sample ID: CCV H2090613S1 Seq: 2029 12:29:59 06 Sep 13 HG								
Hg	3.03	ppb	.000	3.03				
*** Sample ID: CCB H2090613S1 Seq: 2030 12:32:23 06 Sep 13 HG								
Hg	.026	ppb	.000	.026				
*** Sample ID: MC24052-1 H2090613S1 Seq: 2031 12:34:44 06 Sep 13 HG								
Hg	.094	ppb	.000	.094				
*** Sample ID: MC24052-2 H2090613S1 Seq: 2032 12:37:28 06 Sep 13 HG								
Hg	.262	ppb	.000	.262				
*** Sample ID: MC24052-3 H2090613S1 Seq: 2033 12:39:51 06 Sep 13 HG								
Hg	.070	ppb	.000	.070				
*** Sample ID: MC24052-4 H2090613S1 Seq: 2034 12:42:15 06 Sep 13 HG								
Hg	.121	ppb	.000	.121				
*** Sample ID: MC24052-5 H2090613S1 Seq: 2035 12:44:48 06 Sep 13 HG								
Hg	.144	ppb	.000	.144				
*** Sample ID: MC24052-6 H2090613S1 Seq: 2036 12:47:37 06 Sep 13 HG								
Hg	.098	ppb	.000	.098				

Folder: #HG18 **PUBLIC FOLDER ** Page 4
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC24052-7 H2090613S1 Seq: 2037 12:50:29 06 Sep 13 HG								
Hg	.504	ppb	.000	.504				
*** Sample ID: MC24054-3 H2090613S1 Seq: 2038 12:53:10 06 Sep 13 HG								
Hg	.070	ppb	.000	.070				
*** Sample ID: MC24054-4 H2090613S1 Seq: 2039 12:56:01 06 Sep 13 HG								
Hg	.076	ppb	.000	.076				
*** Sample ID: MC24085-1 H2090613S1 Seq: 2040 12:59:04 06 Sep 13 HG								
Hg	.129	ppb	.000	.129				
*** Sample ID: CCV H2090613S1 Seq: 2041 13:01:25 06 Sep 13 HG								
Hg	2.99	ppb	.000	2.99				
*** Sample ID: CCB H2090613S1 Seq: 2042 13:03:57 06 Sep 13 HG								
Hg	.044	ppb	.000	.044				
*** Sample ID: MC24085-3 H2090613S1 Seq: 2043 13:07:02 06 Sep 13 HG								
Hg	.070	ppb	.000	.070				
*** Sample ID: MC24085-4 H2090613S1 Seq: 2044 13:09:26 06 Sep 13 HG								
Hg	.085	ppb	.000	.085				
*** Sample ID: MC24085-5 H2090613S1 Seq: 2045 13:11:50 06 Sep 13 HG								
Hg	.076	ppb	.000	.076				
*** Sample ID: CRI H2090613S1 Seq: 2046 13:15:35 06 Sep 13 HG								
Hg	.228	ppb	.000	.228				

Folder: #HG18 **PUBLIC FOLDER ** Page 5
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCV H2090613S1 Seq: 2047 13:20:14 06 Sep 13 HG								
Hg	3.13	ppb	.000	3.13				
*** Sample ID: CCB H2090613S1 Seq: 2048 13:22:57 06 Sep 13 HG								
Hg	.075	ppb	.000	.075				

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 9/6/2013 10:17:50 Type: Cal
Method: Accutest -SS2(v66) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0024	.0006	-.0004	.0001	.0011	.0073	.0001	.0041	.0020
Stddev	.0000	.0008	.0001	.0000	.0001	.0008	.0001	.0003	.0002
%RSD	.7242	126.3	14.80	16.19	5.723	10.48	74.11	7.184	8.096
#1	-.0024	.0012	-.0003	.0001	.0010	.0078	.0000	.0043	.0019
#2	-.0024	.0001	-.0004	.0001	.0011	.0068	.0001	.0039	.0022

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0001	.0000	.0079	.0002	.0014	-.0002	.0006	.0003	.0066
Stddev	.0000	.0000	.0000	.0002	.0006	.0002	.0001	.0000	.0013
%RSD	2.070	886.7	.2234	89.46	43.40	112.8	18.16	2.347	20.32
#1	-.0001	.0000	.0079	.0001	.0018	.0000	.0005	.0003	.0056
#2	-.0001	.0000	.0079	.0004	.0009	-.0003	.0007	.0003	.0075

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0016	-.0005	.0003	.0000	.0000	.0005	.0420	-.0003	.0035
Stddev	.0002	.0002	.0003	.0001	.0002	.0000	.0001	.0002	.0002
%RSD	10.63	33.37	99.42	804.8	441.9	1.590	.1280	50.77	6.011
#1	-.0015	-.0006	.0001	.0000	.0001	.0005	.0420	-.0002	.0033
#2	-.0017	-.0004	.0005	.0000	-.0001	.0005	.0420	-.0004	.0036

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	-.0009	.0002	.0000	-.0005	.0033
Stddev	.000	.0005	.0001	.000	.0001	.0000
%RSD	123.1	48.96	47.55	82.83	16.26	1.354
#1	-.0001	-.0013	.0003	.0000	-.0006	.0034
#2	.0000	-.0006	.0001	.0000	-.0005	.0033

◀ Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 9/6/2013 10:17:50 Type: Cal
Method: Accutest -SS2(v66) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	2463.6	74329.	7273.6
Stddev	26.3	12.	3.6
%RSD	1.0693	.01641	.04885
#1	2445.0	74338.	7276.2
#2	2482.2	74320.	7271.1

◀ Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 9/6/2013 10:22:14 Type: Cal
Method: Accutest -SS2(v66) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1395	.4794	2.129	15.88	14.29	8.981	8.115	.9036	1.739	5.402
Stddev	.0003	.0065	.030	.12	.09	.123	.113	.0022	.001	.025
%RSD	.2107	1.360	1.391	.7344	.6626	1.365	1.388	.2442	.0776	.4612
#1	.1393	.4748	2.108	15.96	14.35	8.894	8.036	.9020	1.738	5.420
#2	.1397	.4840	2.150	15.80	14.22	9.068	8.195	.9051	1.739	5.384

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.944	6.986	2.746	1.556	.7877	1.038	9.791
Stddev	.108	.093	.040	.022	.0115	.014	.148
%RSD	1.559	1.337	1.454	1.397	1.454	1.331	1.509
#1	6.867	6.920	2.717	1.540	.7796	1.029	9.686
#2	7.021	7.052	2.774	1.571	.7958	1.048	9.895

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	2508.4	75934.	6911.7
Stddev	21.8	333.	75.8
%RSD	.87086	.43814	1.0972
#1	2523.8	76169.	6965.3
#2	2492.9	75698.	6858.1

◀ Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 9/6/2013 10:26:35 Type: Cal
Method: Accutest -SS2(v66) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.256	2.474	1.358	.8153	.1867	2.430
Stddev	.016	.034	.019	.0026	.0009	.034
%RSD	1.263	1.365	1.418	.3229	.4924	1.400
#1	1.268	2.498	1.372	.8171	.1861	2.454
#2	1.245	2.450	1.344	.8134	.1874	2.406

Int. Std.	Y_3710
Units	Cts/S
Avg	7015.2
Stddev	100.9
%RSD	1.4388
#1	6943.8
#2	7086.5

Zoom In Zoom Out

Sample Name: Std4 Acquired: 9/6/2013 10:30:54 Type: Cal
Method: Accutest -SS2(v66) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	Si2124	Sn1899	Sr4077	Ti3349	V_2924	W_2397	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2507	.4823	.0777	2.081	1.764	19.30	1.476	1.182	.0684	3.032
Stddev	.0000	.0013	.0013	.004	.001	.04	.001	.001	.0013	.001
%RSD	.0168	.2599	1.679	.1748	.0559	.1975	.0731	.0682	1.967	.0468
#1	.2506	.4832	.0786	2.078	1.763	19.27	1.477	1.183	.0694	3.033
#2	.2507	.4814	.0768	2.083	1.764	19.33	1.475	1.182	.0675	3.031

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	2550.7	74680.	7138.0
Stddev	2.6	302.	35.9
%RSD	.10282	.40446	.50264
#1	2548.8	74894.	7163.4
#2	2552.5	74467.	7112.7

Zoom In Zoom Out

Sample Name: ICV Acquired: 9/6/2013 10:35:12 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.5131	16.39	3.085	3.010	3.074	3.107	3.087	18.32	2.967	2.830
Stddev	.0006	.26	.001	.003	.003	.051	.050	.31	.001	.000
%RSD	.1086	1.609	.0338	.0938	.0914	1.658	1.608	1.669	.0230	.0077
#1	.5127	16.57	3.084	3.012	3.072	3.143	3.122	18.54	2.967	2.830
#2	.5135	16.20	3.086	3.008	3.076	3.070	3.052	18.11	2.968	2.830

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	3.077	2.935	18.45	15.16	18.57	3.076	2.868	15.83	2.888	2.906
Stddev	.009	.007	.21	.24	.04	.018	.004	.24	.001	.001
%RSD	.2949	.2340	1.163	1.612	.1958	.5931	.1314	1.502	.0252	.0312
#1	3.084	2.930	18.60	15.34	18.59	3.089	2.866	16.00	2.888	2.905
#2	3.071	2.940	18.30	14.99	18.54	3.063	2.871	15.67	2.889	2.907

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	3.003	2.940	2.981	3.011	3.236	3.109	3.113	3.021	3.024	2.968
Stddev	.007	.003	.003	.002	.001	.001	.053	.005	.001	.006
%RSD	.2413	.0913	.0970	.0790	.0178	.0322	1.719	.1547	.0376	.1942
#1	3.008	2.938	2.979	3.013	3.236	3.108	3.151	3.024	3.025	2.972
#2	2.998	2.942	2.983	3.009	3.235	3.110	3.075	3.017	3.023	2.964

Elem	W_2397	Zn2062	Zr3391
Avg	2.934	2.895	3.060
Stddev	.005	.000	.005
%RSD	.1691	.0069	.1583
#1	2.930	2.895	3.064
#2	2.937	2.896	3.057

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2519.0	74921.	6929.7
Stddev	2.1	425.	71.4
%RSD	.08173	.56723	1.0301
#1	2517.6	74620.	6879.2
#2	2520.5	75221.	6980.2

Zoom In Zoom Out

Sample Name: ICB Acquired: 9/6/2013 10:41:29 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	-.0054	-.0013	.0034	.0032	.0002	.0001	.0032	.0004	.0001
Stddev	.0002	.0025	.0006	.0012	.0005	.0002	.0000	.0005	.0001	.0001
%RSD	104.9	47.49	47.86	34.15	14.15	66.89	9.552	16.40	23.52	80.33
#1	-.0003	-.0071	-.0017	.0026	.0036	.0003	.0001	.0028	.0003	.0000
#2	.0000	-.0036	-.0009	.0043	.0029	.0001	.0002	.0035	.0004	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0006	.0005	.0042	-.0262	.0138	.0001	.0023	-.0037	.0004	.0002
Stddev	.0001	.0002	.0014	.0182	.0027	.0000	.0003	.0007	.0002	.0006
%RSD	21.79	38.92	32.94	69.27	19.38	30.76	12.49	19.78	52.73	409.8
#1	.0007	.0006	.0033	-.0134	.0157	.0001	.0025	-.0042	.0005	-.0003
#2	.0005	.0004	.0052	-.0391	.0119	.0000	.0021	-.0032	.0002	.0006

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0004	-.0015	.0004	.0005	.0022	.0004	.0002	.0000	.0013	.0008
Stddev	.0005	.0030	.0007	.0007	.0002	.0005	.0001	.0006	.0002	.0010
%RSD	123.3	200.6	163.0	125.8	7.924	103.7	53.00	1623.	16.33	129.6
#1	-.0001	.0006	-.0001	.0010	.0021	.0008	.0001	-.0004	.0011	.0015
#2	-.0008	-.0036	.0009	.0001	.0023	.0001	.0002	.0004	.0014	.0001

Elem	W_2397	Zn2062	Zr3391
Avg	.0124	.0002	-.0018
Stddev	.0003	.0000	.0003
%RSD	2.387	11.35	14.22
#1	.0122	.0003	-.0017
#2	.0126	.0002	-.0020

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2512.1	75552.	7065.4
Stddev	1.2	343.	36.7
%RSD	.04953	.45362	.51942
#1	2511.2	75794.	7039.5
#2	2513.0	75310.	7091.4

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/6/2013 10:45:52 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2491	9.960	1.994	-.0025	1.987	1.977	2.006	9.950	1.964	1.952
Stddev	.0004	.118	.004	.0001	.004	.015	.015	.067	.002	.001
%RSD	.1795	1.185	.1934	3.987	.1985	.7518	.7636	.6722	.0860	.0593
#1	.2488	10.04	1.992	-.0026	1.984	1.987	2.017	9.997	1.963	1.951
#2	.2495	9.876	1.997	-.0025	1.989	1.966	1.996	9.903	1.965	1.952

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.976	1.939	10.10	9.720	9.898	2.016	1.965	10.07	1.963	1.935
Stddev	.002	.004	.04	.164	.047	.001	.005	.09	.000	.000
%RSD	.1165	.2092	.3572	1.691	.4729	.0441	.2524	.8879	.0089	.0069
#1	1.975	1.941	10.12	9.836	9.931	2.015	1.961	10.13	1.963	1.935
#2	1.978	1.936	10.07	9.604	9.865	2.016	1.968	10.01	1.963	1.935

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0012	.0065	1.979	1.974	.0397	1.989	2.029	1.968	1.995	1.970
Stddev	.0014	.0001	.000	.001	.0005	.000	.016	.001	.000	.000
%RSD	116.0	1.933	.0118	.0328	1.364	.0079	.7662	.0391	.0014	.0012
#1	-.0022	.0064	1.978	1.974	.0401	1.989	2.040	1.968	1.995	1.970
#2	-.0002	.0066	1.979	1.975	.0393	1.989	2.018	1.967	1.995	1.970

Elem	W_2397	Zn2062	Zr3391
Avg	.0167	1.947	.0066
Stddev	.0021	.001	.0019
%RSD	12.31	.0653	28.51
#1	.0181	1.947	.0079
#2	.0152	1.946	.0053

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2501.4	74963.	6967.2
Stddev	.2	212.	1.3
%RSD	.00704	.28322	.01848
#1	2501.6	75113.	6966.3
#2	2501.3	74813.	6968.2

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/6/2013 10:51:13 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0008	.0017	.0002	.0013	.0034	.0001	.0000	.0037	F.0004
Stddev	.0003	.0050	.0004	.0001	.0004	.0000	.0001	.0003	.0000
%RSD	40.85	299.4	151.8	4.673	11.51	22.52	216.3	7.238	2.613
#1	-.0005	.0052	.0005	.0013	.0037	.0001	.0001	.0035	.0004
#2	-.0010	-.0019	.0000	.0012	.0032	.0002	.0000	.0039	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	-.0001	.0004	.0049	-.0337	-.0221	.0001	.0022	.0008
Stddev	.0000	.0001	.0000	.0021	.0115	.0225	.0000	.0002	.0124
%RSD	1.848	79.35	2.618	41.82	34.18	101.7	40.57	11.25	1494.
#1	.0002	-.0002	.0004	.0035	-.0255	-.0062	.0001	.0023	.0096
#2	.0003	-.0001	.0004	.0064	-.0418	-.0380	.0001	.0020	-.0080

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0006	.0001	-.0009	-.0013	-.0002	.0001	.0022	.0008	.0001
Stddev	.0003	.0003	.0012	.0039	.0000	.0016	.0003	.0001	.0001
%RSD	62.82	467.8	128.2	296.3	4.943	1813.	13.20	6.535	52.09
#1	.0003	.0003	-.0018	.0014	-.0002	-.0010	.0024	.0008	.0001
#2	.0008	-.0001	-.0001	-.0041	-.0002	.0012	.0020	.0007	.0001

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0001	.0015	.0005	.0063	.0004	-.0030
Stddev	.0001	.0000	.0001	.0033	.0001	.0000
%RSD	238.1	1.600	13.59	52.76	17.98	.8306
#1	.0000	.0015	.0005	.0086	.0003	-.0030
#2	.0002	.0015	.0006	.0039	.0004	-.0030

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2507.3	75519.	6960.8
Stddev	2.0	459.	31.1
%RSD	.07974	.60802	.44672
#1	2508.7	75843.	6982.8
#2	2505.9	75194.	6938.8

Zoom In Zoom Out

Sample Name: CRIA Acquired: 9/6/2013 10:55:37 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0041	.2090	.0089	.0016	.1041	.0515	.0044	5.096	.0045	.0501
Stddev	.0003	.0032	.0006	.0006	.0006	.0001	.0000	.028	.0000	.0000
%RSD	7.483	1.522	7.280	36.83	.5685	.1228	.4729	.5445	1.011	.0531
#1	.0038	.2068	.0093	.0020	.1037	.0514	.0044	5.116	.0045	.0501
#2	.0043	.2113	.0084	.0012	.1045	.0515	.0044	5.077	.0046	.0501

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0102	.0246	.1118	5.014	5.043	.0161	.1021	5.202	.0412	.0095
Stddev	.0003	.0008	.0005	.081	.047	.0004	.0008	.041	.0004	.0001
%RSD	2.627	3.215	.4709	1.606	.9248	2.554	.7890	.7836	.9532	1.210
#1	.0104	.0252	.1115	5.071	5.076	.0164	.1016	5.231	.0409	.0094
#2	.0101	.0241	.1122	4.957	5.010	.0158	.1027	5.174	.0415	.0096

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0003	.0006	.0113	.0109	.0058	.1003	.0103	.0517	.0107	.0107
Stddev	.0005	.0011	.0001	.0013	.0004	.0006	.0000	.0011	.0005	.0004
%RSD	148.8	181.3	.6413	12.17	7.511	.5860	.0698	2.128	4.616	3.491
#1	.0000	-.0002	.0113	.0099	.0062	.0999	.0103	.0525	.0103	.0104
#2	-.0007	.0014	.0112	.0118	.0055	.1007	.0103	.0509	.0110	.0109

Elem	W_2397	Zn2062	Zr3391
Avg	.0091	.0210	-.0005
Stddev	.0039	.0001	.0002
%RSD	43.00	.4369	32.14
#1	.0063	.0209	-.0004
#2	.0118	.0210	-.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2501.9	75380.	6985.1
Stddev	3.1	197.	74.3
%RSD	.12375	.26112	1.0632
#1	2504.0	75241.	6932.6
#2	2499.7	75519.	7037.6

Zoom In Zoom Out

Sample Name: ICSA Acquired: 9/6/2013 10:59:55 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	523.4	-.0013	.0000	.0031	-.0007	.0001	453.0	.0005	.0008
Stddev	.0008	4.1	.0001	.0010	.0003	.0001	.0000	.6	.0000	.0002
%RSD	762.0	.7848	10.74	15210.	9.977	19.49	17.15	.1282	1.825	27.24
#1	-.0007	520.5	-.0014	-.0007	.0034	-.0008	.0001	452.6	.0005	.0009
#2	.0005	526.3	-.0012	.0007	.0029	-.0006	.0000	453.4	.0005	.0006

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0005	.0001	184.0	-.0012	489.2	-.0002	-.0005	.0713	-.0017	-.0008
Stddev	.0002	.0002	.8	.0190	2.4	.0000	.0001	.0106	.0002	.0014
%RSD	35.31	270.0	.4559	1521.	.4989	16.58	17.20	14.88	9.887	184.2
#1	.0004	.0002	183.4	-.0147	487.5	-.0002	-.0004	.0638	-.0016	-.0018
#2	.0006	-.0001	184.6	.0122	491.0	-.0003	-.0005	.0788	-.0018	.0002

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0402	-.0229	-.0016	-.0020	.0472	-.0001	.0016	.0077	-.0001	.0007
Stddev	.0009	.0014	.0008	.0000	.0001	.0003	.0000	.0000	.0016	.0005
%RSD	2.202	5.999	48.69	2.241	.2605	202.8	1.074	.4899	1657.	76.49
#1	-.0409	-.0219	-.0022	-.0020	.0471	.0001	.0016	.0077	-.0013	.0003
#2	-.0396	-.0239	-.0011	-.0021	.0472	-.0004	.0016	.0078	.0011	.0010

Elem	W_2397	Zn2062	Zr3391
Avg	-.0264	-.0004	-.0031
Stddev	.0052	.0004	.0004
%RSD	19.60	95.85	11.72
#1	-.0300	-.0007	-.0034
#2	-.0227	-.0001	-.0029

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2274.3	69842.	6839.5
Stddev	.2	51.	13.4
%RSD	.00731	.07275	.19624
#1	2274.4	69806.	6849.0
#2	2274.2	69878.	6830.0

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 9/6/2013 11:04:16 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.056	551.9	2.059	.4913	1.008	.5328	.4936	468.6	1.034	.4587
Stddev	.003	3.3	.007	.0039	.001	.0029	.0019	8.8	.002	.0010
%RSD	.2626	.6066	.3308	.8002	.0587	.5441	.3945	1.870	.1421	.2134
#1	1.058	554.3	2.064	.4941	1.008	.5349	.4949	474.7	1.035	.4594
#2	1.055	549.5	2.054	.4885	1.007	.5308	.4922	462.4	1.033	.4580

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4888	.5107	194.3	.0388	513.6	.4980	.9639	.0664	.8801	.9026
Stddev	.0011	.0023	1.2	.0164	4.1	.0033	.0014	.0094	.0021	.0027
%RSD	.2319	.4504	.6344	42.30	.7904	.6707	.1412	14.17	.2413	.3039
#1	.4896	.5123	195.2	.0504	516.5	.5003	.9648	.0731	.8816	.9046
#2	.4880	.5091	193.4	.0272	510.7	.4956	.9629	.0598	.8786	.9007

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.4834	.4592	2.078	2.037	2.160	.9751	1.049	.5037	1.903	.4996
Stddev	.0040	.0002	.003	.008	.005	.0014	.006	.0015	.005	.0018
%RSD	.8328	.0484	.1207	.4117	.2174	.1444	.5979	.2917	.2456	.3693
#1	.4862	.4594	2.080	2.043	2.163	.9761	1.053	.5048	1.906	.5009
#2	.4805	.4590	2.076	2.031	2.156	.9741	1.044	.5027	1.899	.4983

Elem	W_2397	Zn2062	Zr3391
Avg	1.855	.9081	.4194
Stddev	.000	.0025	.0018
%RSD	.0147	.2805	.4411
#1	1.855	.9099	.4181
#2	1.855	.9063	.4207

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2281.4	69533.	6583.6
Stddev	.4	203.	65.3
%RSD	.01872	.29135	.99257
#1	2281.7	69390.	6537.4
#2	2281.1	69677.	6629.8

Zoom In Zoom Out

Sample Name: MP21595-B1 Acquired: 9/6/2013 11:08:31 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1941	2.130	.5109	.0006	.0087	1.962	.5002	23.87	.5014	.4784
Stddev	.0005	.020	.0015	.0008	.0006	.025	.0064	.29	.0001	.0005
%RSD	.2559	.9265	.2958	146.3	6.932	1.268	1.280	1.198	.0162	.1116
#1	.1945	2.116	.5119	.0011	.0091	1.945	.4957	23.67	.5014	.4788
#2	.1938	2.144	.5098	.0000	.0083	1.980	.5047	24.07	.5015	.4781

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5085	.4699	2.040	24.49	24.46	.4901	.0020	24.41	.4745	.9461
Stddev	.0046	.0012	.009	.12	.00	.0018	.0007	.29	.0007	.0009
%RSD	.9084	.2499	.4486	.4927	.0052	.3600	34.04	1.206	.1472	.0990
#1	.5117	.4707	2.034	24.40	24.46	.4913	.0025	24.20	.4750	.9467
#2	.5052	.4691	2.047	24.57	24.46	.4888	.0016	24.62	.4740	.9454

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0025	.0044	.4945	.4920	.0358	.0039	.4945	.4777	.4973	.4980
Stddev	.0008	.0016	.0011	.0016	.0004	.0002	.0049	.0007	.0014	.0022
%RSD	30.40	36.51	.2306	.3305	1.106	6.160	1.000	.1407	.2810	.4393
#1	-.0031	.0055	.4954	.4932	.0355	.0041	.4910	.4782	.4983	.4995
#2	-.0020	.0033	.4937	.4909	.0361	.0038	.4980	.4773	.4963	.4964

Elem	W_2397	Zn2062	Zr3391
Avg	.0154	.5021	.0295
Stddev	.0068	.0003	.0036
%RSD	43.93	.0662	12.07
#1	.0202	.5023	.0320
#2	.0106	.5018	.0270

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2427.7	74616.	6870.3
Stddev	.6	383.	63.9
%RSD	.02574	.51273	.92966
#1	2427.3	74346.	6915.4
#2	2428.2	74887.	6825.1

Zoom In Zoom Out

Sample Name: MP21595-MB1 Acquired: 9/6/2013 11:12:44 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	.0041	-.0005	.0003	.0038	.0006	-.0001	.0379	.0003	-.0001
Stddev	.0001	.0141	.0007	.0005	.0004	.0001	.0001	.0071	.0001	.0001
%RSD	27.29	344.2	148.4	167.5	9.795	11.72	95.39	18.78	21.71	116.7
#1	-.0004	.0141	.0000	.0007	.0041	.0006	.0000	.0429	.0003	-.0002
#2	-.0006	-.0059	-.0010	-.0001	.0035	.0005	-.0002	.0329	.0002	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0010	-.0005	.0207	.0484	.0160	.0001	.0005	.0349	.0003	.0000
Stddev	.0002	.0005	.0025	.0136	.0228	.0000	.0002	.0144	.0003	.000
%RSD	21.93	108.5	12.32	28.03	143.0	31.24	39.21	41.41	111.8	255.2
#1	.0012	-.0001	.0189	.0580	-.0002	.0002	.0006	.0451	.0001	.0000
#2	.0008	-.0008	.0225	.0388	.0321	.0001	.0003	.0246	.0005	-.0001

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0011	.0026	.0016	.0004	.0290	.0074	.0002	.0002	.0007	.0002
Stddev	.0003	.0019	.0003	.0005	.0004	.0001	.0001	.0003	.0005	.0005
%RSD	24.69	75.15	18.40	114.5	1.504	1.916	62.35	186.7	64.97	208.9
#1	-.0009	.0040	.0018	.0008	.0287	.0073	.0001	.0004	.0004	.0005
#2	-.0013	.0012	.0014	.0001	.0293	.0075	.0002	.0000	.0010	-.0001

Elem	W_2397	Zn2062	Zr3391
Avg	.0055	.0012	-.0021
Stddev	.0009	.0002	.0001
%RSD	16.73	13.18	4.894
#1	.0049	.0014	-.0021
#2	.0062	.0011	-.0022

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2459.5	76344.	6954.7
Stddev	1.6	252.	11.4
%RSD	.06666	.33027	.16344
#1	2460.6	76166.	6946.7
#2	2458.3	76522.	6962.8

Zoom In Zoom Out

Sample Name: MP21595-S1 Acquired: 9/6/2013 11:17:08 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1836	101.3	.5196	-.0073	.8252	3.019	.4665	116.8	.4827	.5565
Stddev	.0004	.3	.0008	.0019	.0006	.009	.0018	.3	.0000	.0006
%RSD	.2245	.2473	.1520	25.65	.0752	.2886	.3816	.2882	.0022	.1138
#1	.1833	101.5	.5190	-.0087	.8248	3.026	.4678	117.0	.4827	.5560
#2	.1838	101.2	.5202	-.0060	.8257	3.013	.4652	116.6	.4828	.5569

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5775	.7057	242.3	32.89	84.15	4.640	.0031	24.68	.5740	.9559
Stddev	.0045	.0014	.7	.17	.02	.003	.0000	.06	.0001	.0003
%RSD	.7741	.1927	.2919	.5169	.0181	.0633	1.094	.2435	.0178	.0278
#1	.5807	.7047	242.8	33.01	84.14	4.642	.0031	24.72	.5739	.9557
#2	.5744	.7067	241.8	32.77	84.16	4.638	.0030	24.64	.5741	.9561

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0064	.0138	.2118	.4643	3.368	-.0049	.6660	8.086	.4573	.8612
Stddev	.0013	.0009	.0009	.0019	.001	.0001	.0020	.003	.0018	.0003
%RSD	19.81	6.752	.4108	.4122	.0397	1.292	.2987	.0306	.4012	.0339
#1	-.0055	.0145	.2124	.4629	3.369	-.0049	.6674	8.088	.4560	.8614
#2	-.0073	.0132	.2112	.4657	3.367	-.0048	.6645	8.085	.4586	.8610

Elem	W_2397	Zn2062	Zr3391
Avg	.0130	.8837	.0483
Stddev	.0015	.0002	.0019
%RSD	11.41	.0224	3.876
#1	.0119	.8839	.0470
#2	.0140	.8836	.0496

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2561.3	80309.	7307.3
Stddev	1.2	141.	47.0
%RSD	.04512	.17542	.64288
#1	2560.5	80209.	7274.1
#2	2562.1	80409.	7340.5

Zoom In Zoom Out

Sample Name: MP21595-S2 Acquired: 9/6/2013 11:21:25 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1814	102.1	.5183	-.0074	1.551	2.793	.4668	110.2	.4813	.5536
Stddev	.0001	.1	.0007	.0009	.003	.003	.0007	.2	.0013	.0003
%RSD	.0571	.1133	.1355	12.85	.1754	.1083	.1511	.1859	.2737	.0581
#1	.1814	102.0	.5178	-.0067	1.553	2.791	.4663	110.0	.4804	.5538
#2	.1815	102.2	.5188	-.0080	1.549	2.795	.4673	110.3	.4822	.5534

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5767	.8142	235.9	31.34	76.59	4.945	.0060	24.69	.5623	.9540
Stddev	.0014	.0041	.5	.01	.10	.021	.0002	.01	.0001	.0017
%RSD	.2487	.5021	.1963	.0408	.1306	.4189	3.494	.0466	.0124	.1827
#1	.5777	.8113	235.6	31.33	76.52	4.960	.0061	24.68	.5622	.9528
#2	.5757	.8171	236.3	31.35	76.66	4.931	.0058	24.70	.5623	.9552

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0062	.0131	.2149	.4579	3.277	-.0024	.6489	6.526	.4536	.8724
Stddev	.0005	.0001	.0001	.0020	.012	.0002	.0017	.006	.0010	.0007
%RSD	7.688	.9911	.0593	.4421	.3608	8.592	.2656	.0970	.2196	.0818
#1	-.0065	.0130	.2148	.4565	3.269	-.0025	.6477	6.522	.4529	.8719
#2	-.0059	.0132	.2150	.4593	3.286	-.0022	.6501	6.531	.4543	.8729

Elem	W_2397	Zn2062	Zr3391
Avg	.0109	.8858	.0397
Stddev	.0014	.0007	.0004
%RSD	12.88	.0830	1.083
#1	.0119	.8853	.0400
#2	.0099	.8863	.0394

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2543.8	79571.	7310.4
Stddev	2.6	29.	26.1
%RSD	.10090	.03632	.35757
#1	2545.6	79551.	7328.9
#2	2541.9	79592.	7291.9

Zoom In Zoom Out

Sample Name: MC24052-2 Acquired: 9/6/2013 11:25:42 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	85.90	.0386	-.0051	1.031	.7860	.0027	193.7	.0021	.0940
Stddev	.0007	.03	.0020	.0008	.003	.0020	.0001	.2	.0001	.0005
%RSD	151.9	.0337	5.136	15.31	.2917	.2515	3.653	.1193	3.580	.5665
#1	.0000	85.88	.0400	-.0057	1.029	.7846	.0026	193.9	.0021	.0936
#2	-.0009	85.92	.0372	-.0046	1.033	.7874	.0028	193.5	.0022	.0943

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1101	.2188	199.3	8.118	49.91	5.047	.0023	1.168	.1262	.0683
Stddev	.0010	.0029	.2	.014	.04	.010	.0000	.010	.0001	.0003
%RSD	.8639	1.344	.1168	.1712	.0818	.2013	.3309	.8743	.0874	.4465
#1	.1108	.2209	199.5	8.108	49.94	5.040	.0023	1.176	.1263	.0681
#2	.1094	.2168	199.1	8.128	49.88	5.054	.0023	1.161	.1262	.0685

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0115	.0167	-.0016	-.0012	2.944	-.0022	.2655	5.749	.0057	.3221
Stddev	.0007	.0012	.0001	.0003	.005	.0004	.0009	.010	.0007	.0088
%RSD	6.197	6.946	9.031	28.53	.1670	17.75	.3460	.1778	12.06	2.744
#1	-.0120	.0159	-.0015	-.0009	2.948	-.0019	.2648	5.757	.0062	.3283
#2	-.0110	.0175	-.0017	-.0014	2.941	-.0024	.2661	5.742	.0052	.3158

Elem	W_2397	Zn2062	Zr3391
Avg	.0016	.3699	.0287
Stddev	.0009	.0007	.0012
%RSD	58.41	.1792	4.221
#1	.0022	.3694	.0295
#2	.0009	.3704	.0278

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2537.8	79698.	7378.1
Stddev	1.5	108.	68.8
%RSD	.05743	.13587	.93216
#1	2538.8	79621.	7329.5
#2	2536.8	79774.	7426.8

Zoom In Zoom Out

Sample Name: MP21595-SD1 Acquired: 9/6/2013 11:30:00 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0018	91.54	.0425	-.0025	1.118	.8449	.0027	214.0	.0033	.1009
Stddev	.0008	.15	.0057	.0009	.000	.0044	.0001	1.0	.0006	.0011
%RSD	43.68	.1622	13.45	35.25	.0279	.5215	3.747	.4599	19.26	1.054
#1	-.0023	91.65	.0465	-.0031	1.118	.8480	.0028	214.7	.0029	.1017
#2	-.0012	91.44	.0384	-.0018	1.118	.8418	.0027	213.3	.0038	.1002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1233	.2282	220.4	8.797	53.87	5.602	.0024	1.181	.1399	.0735
Stddev	.0006	.0004	.8	.301	.09	.006	.0005	.099	.0008	.0005
%RSD	.4741	.1684	.3668	3.427	.1582	.1003	19.09	8.420	.5522	.7444
#1	.1229	.2284	221.0	9.010	53.81	5.598	.0028	1.111	.1405	.0731
#2	.1237	.2279	219.8	8.584	53.93	5.606	.0021	1.251	.1394	.0739

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0121	.0203	.0011	.0039	3.200	-.0016	.2941	6.244	.0033	.3518
Stddev	.0012	.0117	.0015	.0049	.009	.0006	.0004	.004	.0018	.0027
%RSD	10.24	57.90	138.7	127.1	.2705	36.38	.1234	.0692	54.94	.7655
#1	-.0129	.0286	.0000	.0073	3.194	-.0012	.2943	6.241	.0046	.3499
#2	-.0112	.0120	.0021	.0004	3.207	-.0020	.2938	6.247	.0020	.3537

Elem	W_2397	Zn2062	Zr3391
Avg	.0198	.4247	.0183
Stddev	.0047	.0013	.0002
%RSD	23.61	.3125	1.201
#1	.0231	.4238	.0182
#2	.0165	.4257	.0185

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2447.4	76094.	7009.0
Stddev	.6	373.	24.1
%RSD	.02627	.48988	.34402
#1	2447.8	76358.	7026.0
#2	2446.9	75830.	6991.9

Zoom In Zoom Out

Sample Name: MP21595-B2 Acquired: 9/6/2013 11:34:16 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1974	2.035	.4924	-.0001	.0060	1.974	.4859	23.84	.5192	.4916
Stddev	.0007	.003	.0028	.0002	.0001	.009	.0012	.08	.0028	.0034
%RSD	.3479	.1380	.5755	307.4	1.900	.4715	.2438	.3468	.5451	.6854
#1	.1979	2.036	.4904	.0001	.0061	1.967	.4851	23.78	.5172	.4892
#2	.1970	2.033	.4944	-.0002	.0059	1.980	.4868	23.90	.5212	.4939

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5106	.4788	2.025	24.58	23.44	.4711	.0004	23.87	.4744	.9616
Stddev	.0006	.0008	.010	.00	.01	.0008	.0002	.03	.0023	.0070
%RSD	.1227	.1650	.4799	.0058	.0401	.1631	46.45	.1139	.4948	.7283
#1	.5110	.4793	2.018	24.58	23.44	.4716	.0005	23.85	.4727	.9567
#2	.5101	.4782	2.032	24.58	23.45	.4705	.0002	23.89	.4760	.9666

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0012	-.0022	.5032	.4975	.0340	.0061	.5175	.4709	.4856	.5012
Stddev	.0015	.0007	.0048	.0050	.0006	.0000	.0035	.0008	.0061	.0005
%RSD	125.2	30.63	.9519	1.004	1.775	.1323	.6853	.1753	1.257	.1039
#1	-.0001	-.0027	.4998	.4940	.0344	.0061	.5150	.4715	.4813	.5008
#2	-.0022	-.0017	.5066	.5010	.0336	.0061	.5200	.4703	.4900	.5015

Elem	W_2397	Zn2062	Zr3391
Avg	.0006	.5186	.0031
Stddev	.0015	.0033	.0004
%RSD	239.5	.6320	12.36
#1	-.0004	.5163	.0034
#2	.0017	.5209	.0028

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2396.4	75088.	6769.0
Stddev	3.2	402.	5.4
%RSD	.13154	.53502	.07980
#1	2398.6	75372.	6772.8
#2	2394.2	74804.	6765.2

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/6/2013 11:38:29 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2533	9.685	1.889	-.0011	1.958	1.972	1.903	9.850	2.103	2.048
Stddev	.0004	.085	.005	.0004	.000	.021	.021	.088	.003	.001
%RSD	.1453	.8777	.2828	37.60	.0006	1.053	1.114	.8989	.1320	.0441
#1	.2536	9.625	1.892	-.0008	1.957	1.957	1.888	9.787	2.101	2.048
#2	.2531	9.745	1.885	-.0014	1.958	1.987	1.918	9.912	2.105	2.049

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.979	2.008	9.882	9.890	9.396	1.918	2.057	9.684	1.980	1.998
Stddev	.000	.002	.105	.075	.123	.000	.004	.114	.001	.001
%RSD	.0056	.0894	1.063	.7574	1.307	.0018	.2049	1.175	.0694	.0443
#1	1.978	2.007	9.808	9.837	9.309	1.918	2.054	9.603	1.981	1.997
#2	1.979	2.010	9.956	9.943	9.483	1.918	2.060	9.764	1.979	1.998

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0008	.0045	2.037	2.006	.0438	1.988	2.132	1.940	1.954	2.000
Stddev	.0007	.0006	.000	.000	.0005	.002	.020	.002	.001	.001
%RSD	88.49	12.71	.0039	.0099	1.243	.0894	.9213	.1015	.0481	.0495
#1	-.0014	.0050	2.037	2.006	.0442	1.989	2.118	1.939	1.953	1.999
#2	-.0003	.0041	2.037	2.006	.0435	1.986	2.146	1.942	1.954	2.000

Elem	W_2397	Zn2062	Zr3391
Avg	.0104	2.053	.0015
Stddev	.0054	.002	.0012
%RSD	52.11	.0728	77.69
#1	.0143	2.052	.0023
#2	.0066	2.054	.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2406.8	75754.	6873.4
Stddev	4.0	42.	27.3
%RSD	.16435	.05537	.39676
#1	2409.6	75724.	6892.7
#2	2404.0	75784.	6854.2

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/6/2013 11:42:40 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0006	.0015	-.0011	.0006	.0036	.0004	.0001	-.0013	.0003
Stddev	.0000	.0109	.0011	.0003	.0007	.0001	.0000	.0024	.0001
%RSD	7.138	737.4	101.7	49.70	20.90	19.73	43.19	183.7	27.42
#1	-.0007	-.0062	-.0003	.0009	.0041	.0004	.0001	.0004	.0002
#2	-.0006	.0092	-.0019	.0004	.0030	.0005	.0001	-.0030	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	.0006	-.0017	.0053	.0021	.0058	.0001	.0031	-.0150
Stddev	.0000	.0005	.0003	.0058	.0223	.0425	.0001	.0008	.0047
%RSD	15.62	82.79	19.79	108.4	1039.	737.7	60.62	24.85	31.38
#1	.0003	.0010	-.0019	.0012	-.0136	.0358	.0001	.0037	-.0117
#2	.0002	.0003	-.0015	.0094	.0179	-.0243	.0001	.0026	-.0183

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0004	-.0005	-.0017	.0030	.0013	.0007	.0041	.0002	.0002
Stddev	.0000	.0006	.0017	.0015	.0006	.0011	.0003	.0004	.0000
%RSD	12.53	131.2	100.3	49.45	46.81	163.8	7.755	191.6	8.057
#1	.0004	.0000	-.0005	.0040	.0008	.0015	.0039	-.0001	.0002
#2	.0003	-.0009	-.0028	.0019	.0017	-.0001	.0043	.0005	.0002

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0001	F.0024	.0009	.0004	.0003	-.0036
Stddev	.0002	.0003	.0002	.0010	.0000	.0001
%RSD	356.8	12.01	16.66	217.8	2.697	2.103
#1	-.0001	.0026	.0011	-.0002	.0002	-.0035
#2	.0002	.0022	.0008	.0011	.0003	-.0036

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2430.6	76054.	6838.1
Stddev	.8	56.	96.0
%RSD	.03485	.07363	1.4045
#1	2430.0	76094.	6906.1
#2	2431.2	76015.	6770.2

Zoom In Zoom Out

Sample Name: MP21595-LC1 Acquired: 9/6/2013 11:47:02 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.3404	101.3	.8902	-.0011	1.013	1.701	.5121	58.57	.6282	.9882
Stddev	.0009	.0	.0021	.0001	.001	.002	.0007	.10	.0009	.0002
%RSD	.2608	.0097	.2387	6.924	.0907	.1219	.1313	.1702	.1466	.0242
#1	.3411	101.3	.8917	-.0011	1.013	1.702	.5126	58.50	.6275	.9880
#2	.3398	101.3	.8887	-.0012	1.014	1.699	.5116	58.64	.6288	.9884

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.7105	.7601	130.8	39.86	29.95	2.734	.4149	6.306	.5446	.8856
Stddev	.0014	.0009	.0	.04	.11	.000	.0003	.006	.0000	.0008
%RSD	.2041	.1170	.0320	.1034	.3638	.0066	.0722	.0981	.0076	.0908
#1	.7115	.7607	130.8	39.83	29.87	2.734	.4147	6.302	.5447	.8862
#2	.7094	.7595	130.9	39.89	30.03	2.734	.4151	6.310	.5446	.8851

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0006	.0033	.7731	1.607	5.623	1.010	.7400	2.545	1.158	.5888
Stddev	.0006	.0029	.0005	.002	.009	.000	.0005	.002	.004	.0013
%RSD	87.58	87.69	.0639	.0975	.1527	.0205	.0721	.0705	.3553	.2145
#1	.0002	.0053	.7728	1.606	5.629	1.010	.7404	2.544	1.155	.5879
#2	.0010	.0012	.7735	1.608	5.617	1.010	.7397	2.546	1.161	.5897

Elem	W_2397	Zn2062	Zr3391
Avg	.0050	1.480	.0584
Stddev	.0026	.000	.0005
%RSD	52.40	.0018	.8703
#1	.0068	1.480	.0581
#2	.0031	1.480	.0588

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2607.7	81602.	7398.4
Stddev	.8	144.	30.4
%RSD	.02909	.17608	.41130
#1	2607.1	81704.	7419.9
#2	2608.2	81500.	7376.8

Zoom In Zoom Out

Sample Name: MC24085-1 Acquired: 9/6/2013 11:51:18 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0011	87.17	.1032	-.0013	.0125	.2530	.0037	16.72	.0032	.0663
Stddev	.0002	1.05	.0004	.0012	.0002	.0031	.0000	.20	.0000	.0003
%RSD	14.19	1.209	.4249	92.79	1.869	1.213	.5414	1.188	.3152	.4136
#1	-.0012	86.42	.1028	-.0022	.0126	.2509	.0037	16.58	.0032	.0661
#2	-.0010	87.91	.1035	-.0005	.0123	.2552	.0037	16.86	.0031	.0665

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2934	.1830	146.3	13.87	44.57	2.361	.0039	5.121	.1922	.1589
Stddev	.0018	.0009	2.0	.12	.11	.003	.0001	.018	.0001	.0010
%RSD	.6149	.4725	1.381	.8763	.2363	.1351	3.672	.3531	.0352	.6338
#1	.2921	.1824	144.9	13.78	44.65	2.359	.0040	5.108	.1921	.1582
#2	.2946	.1836	147.7	13.95	44.50	2.364	.0038	5.133	.1922	.1597

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0024	.0047	-.0013	.0013	3.448	.0362	.0576	6.060	.0032	.2431
Stddev	.0012	.0016	.0007	.0003	.007	.0007	.0002	.003	.0003	.0005
%RSD	50.74	34.09	58.94	24.70	.2133	1.896	.3617	.0435	8.079	.2005
#1	.0015	.0036	-.0018	.0016	3.442	.0357	.0575	6.058	.0034	.2427
#2	.0033	.0059	-.0007	.0011	3.453	.0367	.0578	6.062	.0030	.2434

Elem	W_2397	Zn2062	Zr3391
Avg	.0080	.5094	.0267
Stddev	.0079	.0005	.0003
%RSD	99.54	.1056	1.212
#1	.0024	.5090	.0264
#2	.0136	.5098	.0269

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2587.6	79710.	7493.0
Stddev	2.0	288.	49.1
%RSD	.07718	.36174	.65547
#1	2589.0	79914.	7527.7
#2	2586.2	79506.	7458.3

Zoom In Zoom Out

Sample Name: MC24085-2 Acquired: 9/6/2013 11:55:32 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0016	85.59	.1128	-.0018	.0122	.2710	.0038	10.97	.0020	.0722
Stddev	.0006	.82	.0001	.0016	.0000	.0025	.0001	.03	.0002	.0006
%RSD	39.54	.9544	.0600	87.37	.1404	.9387	1.804	.2353	11.07	.8802
#1	-.0012	85.01	.1129	-.0029	.0122	.2692	.0038	10.95	.0019	.0726
#2	-.0021	86.16	.1128	-.0007	.0122	.2728	.0037	10.99	.0022	.0717

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2699	.1202	139.0	12.20	42.55	2.017	.0029	2.811	.2062	.0593
Stddev	.0005	.0009	1.3	.01	.11	.004	.0001	.012	.0000	.0005
%RSD	.1883	.7645	.9049	.0909	.2630	.1890	3.129	.4249	.0109	.8299
#1	.2696	.1196	138.1	12.21	42.63	2.014	.0030	2.820	.2062	.0596
#2	.2703	.1209	139.9	12.19	42.47	2.019	.0028	2.803	.2062	.0589

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.0000	.0053	-.0017	.0002	2.898	-.0007	.0502	5.795	.0017	.2448
Stddev	.001	.0005	.0002	.0004	.011	.0005	.0002	.010	.0002	.0008
%RSD	2016.	10.27	13.67	195.8	.3655	71.46	.3155	.1654	9.276	.3268
#1	-.0005	.0057	-.0019	-.0001	2.906	-.0010	.0503	5.789	.0018	.2454
#2	.0004	.0049	-.0016	.0005	2.891	-.0003	.0501	5.802	.0016	.2443

Elem	W_2397	Zn2062	Zr3391
Avg	-.0001	.2600	.0330
Stddev	.0018	.0000	.0000
%RSD	2257.	.0083	.0550
#1	-.0014	.2600	.0330
#2	.0012	.2601	.0330

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2653.3	81527.	7603.0
Stddev	2.6	202.	79.2
%RSD	.09892	.24765	1.0412
#1	2655.2	81670.	7659.0
#2	2651.5	81384.	7547.0

Zoom In Zoom Out

Sample Name: MC24085-3 Acquired: 9/6/2013 11:59:48 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0009	80.69	.0976	-.0024	.0085	.2614	.0035	8.479	.0030	.0611
Stddev	.0001	.02	.0010	.0001	.0003	.0001	.0000	.020	.0000	.0004
%RSD	9.677	.0278	1.005	4.579	3.732	.0392	.2544	.2331	.0237	.6297
#1	-.0009	80.68	.0983	-.0025	.0083	.2614	.0035	8.465	.0030	.0608
#2	-.0010	80.71	.0969	-.0024	.0088	.2615	.0035	8.493	.0030	.0613

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2659	.1118	135.1	9.886	40.46	2.078	.0026	3.062	.1923	.1107
Stddev	.0021	.0014	.3	.073	.00	.004	.0001	.002	.0002	.0008
%RSD	.7794	1.246	.2461	.7386	.0103	.1754	2.646	.0732	.1156	.7011
#1	.2673	.1128	134.9	9.834	40.45	2.081	.0026	3.060	.1922	.1101
#2	.2644	.1109	135.3	9.938	40.46	2.075	.0025	3.063	.1925	.1112

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0004	.0039	-.0017	.0018	2.758	.0006	.0417	4.613	.0018	.2074
Stddev	.0010	.0008	.0001	.0003	.008	.0002	.0000	.003	.0009	.0047
%RSD	265.4	19.04	7.692	18.51	.2927	39.33	.0884	.0685	50.99	2.270
#1	-.0011	.0034	-.0016	.0021	2.752	.0007	.0417	4.615	.0025	.2107
#2	.0003	.0045	-.0018	.0016	2.764	.0004	.0417	4.611	.0012	.2041

Elem	W_2397	Zn2062	Zr3391
Avg	.0048	.5160	.0399
Stddev	.0001	.0002	.0014
%RSD	2.858	.0437	3.564
#1	.0047	.5162	.0409
#2	.0049	.5158	.0389

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2631.7	79730.	7619.6
Stddev	2.2	48.	17.4
%RSD	.08531	.06034	.22867
#1	2633.3	79696.	7631.9
#2	2630.1	79764.	7607.3

Zoom In Zoom Out

Sample Name: MC24085-4 Acquired: 9/6/2013 12:04:03 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0015	78.29	.0821	-.0010	.0063	.1952	.0032	7.935	.0015	.0504
Stddev	.0003	.57	.0007	.0008	.0000	.0011	.0000	.045	.0001	.0000
%RSD	18.10	.7243	.8126	78.16	.5885	.5605	.1504	.5678	4.487	.0402
#1	-.0017	78.69	.0825	-.0004	.0063	.1960	.0032	7.967	.0014	.0504
#2	-.0013	77.89	.0816	-.0015	.0063	.1944	.0032	7.903	.0015	.0503

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2649	.1015	124.3	9.796	41.23	1.347	.0019	2.427	.1735	.0638
Stddev	.0016	.0001	.6	.049	.05	.004	.0001	.005	.0003	.0001
%RSD	.6177	.0634	.5081	.5027	.1229	.2990	5.251	.2077	.1803	.0804
#1	.2660	.1015	124.8	9.830	41.27	1.350	.0020	2.424	.1733	.0638
#2	.2637	.1016	123.9	9.761	41.20	1.344	.0018	2.431	.1737	.0638

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0008	-.0011	-.0017	.0009	2.550	.0009	.0440	4.987	.0002	.2044
Stddev	.0017	.0003	.0004	.0010	.002	.0001	.0002	.008	.0002	.0039
%RSD	206.2	30.37	23.94	108.9	.0882	5.470	.4822	.1685	97.32	1.918
#1	-.0020	-.0008	-.0014	.0016	2.549	.0010	.0442	4.993	.0001	.2072
#2	.0004	-.0013	-.0020	.0002	2.552	.0009	.0439	4.981	.0004	.2016

Elem	W_2397	Zn2062	Zr3391
Avg	.0056	.2440	.0349
Stddev	.0010	.0001	.0006
%RSD	18.47	.0391	1.614
#1	.0049	.2439	.0353
#2	.0063	.2440	.0345

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2602.5	78549.	7515.4
Stddev	5.8	65.	5.4
%RSD	.22220	.08224	.07183
#1	2598.4	78503.	7519.3
#2	2606.6	78595.	7511.6

Zoom In Zoom Out

Sample Name: MC24085-5 Acquired: 9/6/2013 12:08:19 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0016	83.96	.1002	-.0021	.0084	.2397	.0035	10.07	.0019	.0578
Stddev	.0000	.00	.0007	.0009	.0001	.0004	.0001	.01	.0000	.0001
%RSD	1.518	.0019	.7138	41.58	1.445	.1746	1.841	.0673	.5253	.1991
#1	-.0017	83.96	.1007	-.0027	.0085	.2394	.0035	10.06	.0019	.0577
#2	-.0016	83.96	.0997	-.0015	.0083	.2400	.0034	10.07	.0019	.0579

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2510	.1259	135.4	10.19	41.36	1.776	.0024	1.754	.1962	.0831
Stddev	.0010	.0003	.4	.06	.09	.007	.0002	.004	.0003	.0009
%RSD	.4083	.2525	.2910	.5653	.2238	.3834	8.270	.2503	.1513	1.065
#1	.2503	.1261	135.1	10.23	41.29	1.771	.0026	1.751	.1960	.0825
#2	.2517	.1257	135.7	10.15	41.42	1.781	.0023	1.757	.1964	.0838

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0029	.0021	-.0013	.0009	2.907	.0018	.0697	4.314	.0009	.1961
Stddev	.0008	.0036	.0004	.0007	.001	.0000	.0005	.001	.0009	.0004
%RSD	28.31	169.0	30.21	75.32	.0413	1.614	.7004	.0220	99.41	.1998
#1	-.0035	-.0004	-.0010	.0004	2.906	.0018	.0693	4.314	.0015	.1964
#2	-.0023	.0046	-.0016	.0014	2.908	.0017	.0700	4.315	.0003	.1958

Elem	W_2397	Zn2062	Zr3391
Avg	.0005	.3195	.0385
Stddev	.0061	.0008	.0005
%RSD	1343.	.2491	1.417
#1	.0047	.3200	.0381
#2	-.0038	.3189	.0389

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2626.7	79639.	7404.3
Stddev	3.7	373.	50.0
%RSD	.14211	.46828	.67579
#1	2629.3	79903.	7439.7
#2	2624.0	79375.	7368.9

Zoom In Zoom Out

Sample Name: MC23929-2 Acquired: 9/6/2013 12:12:34 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0015	175.5	.0117	-.0035	.0114	1.945	.0052	23.75	.0009	.0716
Stddev	.0004	1.3	.0008	.0007	.0006	.012	.0001	.22	.0000	.0007
%RSD	24.03	.7631	6.617	21.16	5.162	.5992	1.609	.9237	1.789	1.013
#1	-.0018	174.6	.0111	-.0029	.0110	1.937	.0051	23.59	.0009	.0711
#2	-.0013	176.4	.0122	-.0040	.0118	1.954	.0053	23.90	.0009	.0721

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4216	.1347	174.7	48.45	84.83	2.461	.0021	1.621	.1915	.0493
Stddev	.0002	.0004	1.2	.27	.09	.004	.0000	.020	.0016	.0001
%RSD	.0574	.2744	.6606	.5524	.1106	.1655	1.587	1.249	.8411	.2646
#1	.4217	.1344	173.9	48.26	84.77	2.458	.0021	1.606	.1903	.0494
#2	.4214	.1350	175.5	48.64	84.90	2.464	.0022	1.635	.1926	.0492

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0042	-.0009	-.0040	-.0006	3.337	-.0084	.1585	11.93	.0037	.3752
Stddev	.0014	.0045	.0009	.0002	.008	.0001	.0009	.06	.0008	.0002
%RSD	34.17	472.9	22.79	34.53	.2505	1.220	.5442	.5242	21.86	.0529
#1	-.0053	-.0041	-.0034	-.0005	3.331	-.0083	.1579	11.97	.0031	.3750
#2	-.0032	.0022	-.0047	-.0008	3.343	-.0084	.1591	11.89	.0042	.3753

Elem	W_2397	Zn2062	Zr3391
Avg	-.0040	.4321	.0101
Stddev	.0009	.0001	.0004
%RSD	23.56	.0225	3.566
#1	-.0047	.4322	.0104
#2	-.0033	.4320	.0099

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2570.2	78297.	7412.2
Stddev	1.2	64.	100.1
%RSD	.04712	.08143	1.3506
#1	2571.1	78342.	7483.0
#2	2569.4	78252.	7341.4

Zoom In Zoom Out

Sample Name: MC24023-2 Acquired: 9/6/2013 12:16:54 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	82.16	.0995	-.0046	.0376	1.530	.0060	443.6	.0061	.0645
Stddev	.0000	.48	.0002	.0001	.0003	.011	.0001	.3	.0001	.0003
%RSD	59.84	.5820	.1920	2.364	.7382	.7064	.8807	.0780	2.134	.5229
#1	-.0001	82.50	.0994	-.0046	.0378	1.538	.0059	443.3	.0060	.0647
#2	.0000	81.82	.0997	-.0047	.0374	1.523	.0060	443.8	.0062	.0642

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.3922	.4773	195.5	8.595	44.97	3.044	.0170	20.95	.3050	.6101
Stddev	.0042	.0013	1.2	.015	.08	.054	.0002	.18	.0009	.0007
%RSD	1.078	.2666	.5970	.1779	.1851	1.774	1.024	.8508	.2940	.1208
#1	.3951	.4764	196.3	8.606	45.03	3.082	.0172	21.07	.3057	.6096
#2	.3892	.4782	194.7	8.584	44.91	3.005	.0169	20.82	.3044	.6106

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0296	.0089	.0052	.0025	4.304	.0240	.7960	1.634	.0011	.1921
Stddev	.0013	.0030	.0017	.0006	.007	.0005	.0054	.001	.0009	.0061
%RSD	4.390	33.90	33.45	23.21	.1539	2.136	.6750	.0348	83.03	3.179
#1	-.0287	.0067	.0064	.0029	4.309	.0243	.7998	1.634	.0017	.1965
#2	-.0305	.0110	.0040	.0021	4.299	.0236	.7922	1.633	.0005	.1878

Elem	W_2397	Zn2062	Zr3391
Avg	.0216	.7582	.0710
Stddev	.0046	.0011	.0027
%RSD	21.37	.1460	3.747
#1	.0249	.7590	.0729
#2	.0183	.7574	.0691

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2597.8	80446.	7596.9
Stddev	1.7	550.	31.5
%RSD	.06630	.68323	.41472
#1	2596.6	80057.	7574.6
#2	2599.0	80834.	7619.2

Zoom In Zoom Out

Sample Name: MC24052-1 Acquired: 9/6/2013 12:21:19 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	79.85	.0337	-.0043	.2644	.5298	.0029	30.06	.0015	.0682
Stddev	.0001	1.03	.0005	.0002	.0023	.0070	.0001	.38	.0001	.0001
%RSD	54.64	1.285	1.465	5.142	.8633	1.316	4.999	1.277	5.208	.1991
#1	-.0002	79.12	.0333	-.0045	.2628	.5249	.0030	29.79	.0015	.0681
#2	-.0001	80.57	.0340	-.0042	.2660	.5348	.0028	30.33	.0016	.0683

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1445	.1702	171.3	9.565	41.15	3.650	.0029	.6950	.1339	.0565
Stddev	.0009	.0012	1.8	.063	.34	.046	.0001	.0097	.0005	.0001
%RSD	.6027	.6863	1.068	.6594	.8330	1.259	4.527	1.389	.3924	.1550
#1	.1439	.1694	170.0	9.521	40.91	3.682	.0028	.6882	.1335	.0565
#2	.1451	.1711	172.5	9.610	41.40	3.617	.0030	.7018	.1342	.0564

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0042	.0147	-.0010	.0011	2.555	.0025	.0998	3.046	.0031	.2379
Stddev	.0001	.0014	.0004	.0016	.004	.0003	.0009	.022	.0008	.0005
%RSD	3.428	9.726	38.30	138.2	.1374	12.68	.8643	.7222	25.93	.2118
#1	-.0041	.0137	-.0013	.0000	2.552	.0023	.0992	3.061	.0037	.2375
#2	-.0043	.0157	-.0008	.0023	2.557	.0027	.1004	3.030	.0026	.2382

Elem	W_2397	Zn2062	Zr3391
Avg	.0038	.3723	.0156
Stddev	.0026	.0010	.0001
%RSD	68.72	.2561	.3644
#1	.0020	.3717	.0156
#2	.0057	.3730	.0155

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2667.7	81193.	7537.5
Stddev	2.7	589.	57.1
%RSD	.10224	.72507	.75736
#1	2669.6	80776.	7577.9
#2	2665.7	81609.	7497.1

Zoom In Zoom Out

Sample Name: MC24052-3 Acquired: 9/6/2013 12:25:39 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	87.59	.0424	-.0079	.4870	.6917	.0030	66.95	.0020	.0921
Stddev	.0002	.25	.0022	.0006	.0008	.0038	.0001	.16	.0001	.0001
%RSD	41.79	.2878	5.143	7.558	.1637	.5532	2.585	.2455	6.219	.1084
#1	-.0006	87.77	.0440	-.0075	.4875	.6944	.0030	67.06	.0021	.0922
#2	-.0003	87.42	.0409	-.0083	.4864	.6890	.0031	66.83	.0019	.0921

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1507	.2090	209.3	9.691	50.80	5.163	.0044	1.303	.1399	.0627
Stddev	.0001	.0006	.6	.037	.07	.006	.0003	.010	.0006	.0008
%RSD	.0642	.2803	.2960	.3821	.1396	.1182	5.787	.7371	.4405	1.206
#1	.1508	.2095	209.7	9.717	50.75	5.167	.0045	1.310	.1395	.0632
#2	.1506	.2086	208.8	9.665	50.85	5.158	.0042	1.296	.1403	.0622

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0083	.0210	-.0015	.0006	2.774	.0014	.2047	4.245	.0051	.3208
Stddev	.0002	.0040	.0000	.0002	.005	.0004	.0011	.006	.0007	.0001
%RSD	2.525	19.22	.6535	38.33	.1947	31.47	.5240	.1464	13.49	.0280
#1	-.0085	.0238	-.0015	.0008	2.778	.0011	.2055	4.249	.0056	.3207
#2	-.0082	.0181	-.0015	.0005	2.770	.0017	.2039	4.240	.0046	.3209

Elem	W_2397	Zn2062	Zr3391
Avg	.0046	.3722	.0275
Stddev	.0077	.0014	.0007
%RSD	168.8	.3782	2.483
#1	-.0009	.3732	.0270
#2	.0100	.3712	.0280

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2645.5	82023.	7527.9
Stddev	.5	128.	17.5
%RSD	.02077	.15651	.23277
#1	2645.9	82113.	7540.3
#2	2645.2	81932.	7515.5

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/6/2013 12:29:58 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2480	9.988	1.925	-.0025	1.971	2.027	1.988	10.11	2.049	2.005
Stddev	.0049	.016	.002	.0002	.003	.005	.005	.02	.000	.002
%RSD	1.957	.1582	.0947	7.766	.1413	.2710	.2359	.1914	.0155	.1044
#1	.2515	9.999	1.924	-.0023	1.969	2.031	1.991	10.13	2.049	2.004
#2	.2446	9.976	1.926	-.0026	1.973	2.023	1.984	10.10	2.049	2.007

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.942	1.953	10.29	10.06	9.700	1.915	2.016	10.01	1.976	1.968
Stddev	.034	.037	.00	.05	.008	.033	.005	.01	.000	.004
%RSD	1.768	1.894	.0203	.4604	.0864	1.711	.2568	.1253	.0144	.1861
#1	1.966	1.979	10.28	10.10	9.706	1.938	2.012	10.02	1.976	1.966
#2	1.918	1.927	10.29	10.03	9.694	1.892	2.019	10.00	1.976	1.971

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0022	.0075	2.017	1.987	.0499	1.985	2.154	1.921	1.966	1.949
Stddev	.0004	.0050	.003	.005	.0008	.003	.004	.035	.002	.033
%RSD	20.55	66.76	.1607	.2470	1.553	.1487	.1663	1.835	.0965	1.672
#1	-.0019	.0040	2.015	1.983	.0493	1.983	2.157	1.946	1.967	1.972
#2	-.0025	.0110	2.019	1.990	.0504	1.987	2.152	1.896	1.964	1.926

Elem	W_2397	Zn2062	Zr3391
Avg	.0046	2.006	.0016
Stddev	.0027	.001	.0016
%RSD	58.11	.0666	98.35
#1	.0065	2.005	.0028
#2	.0027	2.007	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2456.7	77005.	6747.4
Stddev	4.9	823.	30.6
%RSD	.19876	1.0683	.45412
#1	2453.2	76423.	6769.0
#2	2460.1	77586.	6725.7

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/6/2013 12:34:11 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0007	-.0085	-.0010	.0009	.0037	.0005	.0000	.0046	F.0005
Stddev	.0001	.0058	.0001	.0000	.0011	.0000	.0000	.0003	.0001
%RSD	7.852	67.95	6.361	4.579	28.34	1.964	114.9	6.365	16.20
#1	-.0007	-.0044	-.0010	.0009	.0045	.0005	.0000	.0044	.0005
#2	-.0006	-.0126	-.0010	.0009	.0030	.0005	.0001	.0048	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	.0003	-.0010	.0069	.0252	.0131	.0001	.0026	-.0219
Stddev	.0001	.0001	.0001	.0020	.0277	.0164	.0000	.0006	.0033
%RSD	61.06	48.56	13.38	28.24	110.1	125.2	5.078	24.67	14.91
#1	.0001	.0003	-.0011	.0056	.0447	.0247	.0001	.0030	-.0196
#2	.0002	.0002	-.0009	.0083	.0056	.0015	.0001	.0021	-.0242

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0004	.0001	-.0008	-.0014	.0010	.0009	.0056	.0008	.0002
Stddev	.0000	.0000	.0003	.0044	.0001	.0005	.0003	.0003	.0001
%RSD	12.64	42.95	34.74	318.9	6.156	59.40	5.410	34.64	26.77
#1	.0003	.0001	-.0010	.0018	.0009	.0013	.0059	.0010	.0003
#2	.0004	.0001	-.0006	-.0045	.0010	.0005	.0054	.0006	.0002

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0004	F.0022	.0009	-.0003	.0003	-.0037
Stddev	.0003	.0004	.0002	.0051	.0001	.0003
%RSD	75.31	19.60	26.66	1687.	22.69	8.106
#1	.0002	.0025	.0007	-.0039	.0003	-.0039
#2	.0007	.0019	.0010	.0033	.0004	-.0035

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2471.0	76492.	6808.1
Stddev	5.8	274.	19.3
%RSD	.23550	.35789	.28407
#1	2466.9	76686.	6794.4
#2	2475.1	76298.	6821.8

Zoom In Zoom Out

Sample Name: MC24052-4 Acquired: 9/6/2013 12:38:35 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0008	94.34	.0346	-.0064	.1508	.5048	.0032	39.24	.0016	.0755
Stddev	.0002	.27	.0007	.0004	.0002	.0022	.0001	.06	.0000	.0003
%RSD	26.92	.2826	2.137	6.267	.1341	.4427	4.151	.1615	2.450	.3721
#1	-.0010	94.16	.0340	-.0061	.1510	.5032	.0032	39.19	.0015	.0753
#2	-.0007	94.53	.0351	-.0066	.1507	.5064	.0033	39.28	.0016	.0757

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1415	.2144	185.1	9.762	43.43	3.484	.0035	.8574	.1308	.0805
Stddev	.0005	.0003	.0	.044	.24	.035	.0001	.0141	.0003	.0014
%RSD	.3608	.1235	.0250	.4518	.5595	1.002	3.886	1.648	.2338	1.736
#1	.1411	.2146	185.0	9.793	43.60	3.459	.0036	.8474	.1311	.0795
#2	.1418	.2142	185.1	9.731	43.25	3.508	.0034	.8674	.1306	.0815

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0003	.0115	-.0013	.0034	2.909	.0007	.0816	4.335	.0026	.2687
Stddev	.0004	.0007	.0001	.0002	.002	.0001	.0004	.037	.0000	.0032
%RSD	113.4	6.119	6.866	6.047	.0614	21.65	.4938	.8642	.6130	1.182
#1	-.0006	.0120	-.0014	.0036	2.910	.0006	.0813	4.308	.0026	.2710
#2	-.0001	.0110	-.0013	.0033	2.908	.0008	.0819	4.361	.0026	.2665

Elem	W_2397	Zn2062	Zr3391
Avg	.0078	.3503	.0114
Stddev	.0031	.0005	.0001
%RSD	40.26	.1445	.4736
#1	.0056	.3500	.0115
#2	.0100	.3507	.0114

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2612.5	81646.	7448.9
Stddev	1.6	486.	37.1
%RSD	.05963	.59558	.49854
#1	2611.4	81990.	7422.6
#2	2613.6	81302.	7475.1

Zoom In Zoom Out

Sample Name: MC24052-5 Acquired: 9/6/2013 12:42:56 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0008	86.65	.0336	-.0045	.1221	.5498	.0030	58.68	.0019	.0646
Stddev	.0002	.32	.0021	.0028	.0007	.0013	.0000	.30	.0001	.0002
%RSD	27.38	.3733	6.159	62.69	.5871	.2348	1.456	.5062	5.203	.3460
#1	-.0009	86.88	.0322	-.0065	.1216	.5507	.0030	58.89	.0019	.0645
#2	-.0006	86.43	.0351	-.0025	.1226	.5488	.0031	58.47	.0020	.0648

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1354	.2232	167.4	9.636	38.56	3.563	.0028	1.440	.1224	.0791
Stddev	.0017	.0015	.8	.045	.21	.017	.0001	.016	.0008	.0005
%RSD	1.220	.6612	.4951	.4627	.5443	.4654	1.946	1.113	.6274	.6382
#1	.1342	.2222	168.0	9.604	38.71	3.551	.0029	1.429	.1219	.0795
#2	.1365	.2243	166.8	9.667	38.41	3.575	.0028	1.452	.1230	.0787

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0027	.0065	-.0001	.0025	4.799	.0023	.1876	3.993	.0035	.2557
Stddev	.0006	.0026	.0004	.0017	.004	.0004	.0007	.004	.0006	.0078
%RSD	23.26	39.58	654.7	65.58	.0836	17.42	.3764	.1123	15.87	3.046
#1	-.0023	.0083	.0002	.0037	4.797	.0020	.1881	3.990	.0031	.2502
#2	-.0031	.0047	-.0004	.0013	4.802	.0026	.1871	3.997	.0039	.2612

Elem	W_2397	Zn2062	Zr3391
Avg	.0099	.3856	.0081
Stddev	.0021	.0004	.0003
%RSD	21.41	.0928	4.112
#1	.0113	.3853	.0079
#2	.0084	.3858	.0084

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2611.4	81057.	7497.0
Stddev	2.2	225.	98.2
%RSD	.08394	.27804	1.3092
#1	2613.0	81216.	7427.6
#2	2609.9	80898.	7566.4

Zoom In Zoom Out

Sample Name: MC24052-6 Acquired: 9/6/2013 12:47:16 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0010	96.15	.0307	-.0140	1.546	.9073	.0027	269.8	.0023	.1118
Stddev	.0003	.19	.0004	.0003	.013	.0038	.0000	.4	.0001	.0001
%RSD	31.22	.1933	1.368	2.224	.8698	.4240	.3322	.1516	4.585	.0989
#1	-.0008	96.02	.0310	-.0143	1.556	.9046	.0027	269.5	.0024	.1118
#2	-.0012	96.28	.0304	-.0138	1.537	.9100	.0027	270.1	.0023	.1117

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1006	.4502	244.5	9.014	89.41	10.36	.0015	2.727	.1150	.0585
Stddev	.0003	.0002	.7	.024	.40	.06	.0000	.008	.0004	.0002
%RSD	.3207	.0392	.2834	.2628	.4430	.5745	.1228	.3022	.3640	.3290
#1	.1008	.4503	244.0	9.031	89.69	10.40	.0015	2.733	.1153	.0586
#2	.1004	.4500	245.0	8.997	89.13	10.32	.0015	2.721	.1147	.0583

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0202	.0412	-.0030	-.0017	3.876	-.0032	.4654	7.176	.0077	.4713
Stddev	.0006	.0015	.0004	.0026	.045	.0002	.0014	.010	.0008	.0004
%RSD	3.114	3.657	14.43	154.9	1.152	5.008	.2963	.1350	10.11	.0911
#1	-.0206	.0402	-.0033	-.0035	3.908	-.0034	.4645	7.182	.0071	.4716
#2	-.0197	.0423	-.0027	.0002	3.845	-.0031	.4664	7.169	.0082	.4710

Elem	W_2397	Zn2062	Zr3391
Avg	.0154	.3996	.0304
Stddev	.0001	.0032	.0002
%RSD	.3476	.8085	.7764
#1	.0154	.4019	.0303
#2	.0154	.3973	.0306

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2654.8	83091.	7766.4
Stddev	15.2	316.	20.8
%RSD	.57230	.38005	.26761
#1	2644.0	82868.	7751.7
#2	2665.5	83314.	7781.1

Zoom In Zoom Out

Sample Name: MC24052-7 Acquired: 9/6/2013 12:51:36 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	95.07	.0254	-.0033	.0119	.4816	.0029	29.18	.0014	.0674
Stddev	.0005	1.06	.0002	.0012	.0009	.0053	.0000	.27	.0002	.0001
%RSD	420.8	1.112	.6854	36.99	7.798	1.092	.3574	.9180	17.53	.1390
#1	.0003	95.82	.0253	-.0042	.0126	.4853	.0029	29.37	.0012	.0673
#2	-.0005	94.32	.0256	-.0024	.0113	.4779	.0029	28.99	.0016	.0675

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2070	.1641	145.0	13.10	46.17	2.418	.0024	2.377	.1705	.3462
Stddev	.0016	.0004	1.1	.06	.15	.011	.0001	.011	.0003	.0028
%RSD	.7489	.2201	.7265	.4665	.3328	.4484	3.596	.4472	.1997	.8116
#1	.2059	.1639	145.8	13.15	46.28	2.410	.0024	2.385	.1708	.3442
#2	.2081	.1644	144.3	13.06	46.06	2.425	.0023	2.370	.1703	.3482

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0022	.0042	-.0015	.0036	3.777	.0146	.2862	5.022	.0011	.2341
Stddev	.0022	.0031	.0011	.0002	.008	.0003	.0026	.025	.0002	.0017
%RSD	97.59	74.58	75.20	7.000	.2141	1.927	.9227	.5063	22.65	.7058
#1	-.0007	.0020	-.0007	.0037	3.783	.0144	.2880	5.004	.0012	.2330
#2	-.0038	.0064	-.0023	.0034	3.771	.0148	.2843	5.040	.0009	.2353

Elem	W_2397	Zn2062	Zr3391
Avg	-.0014	.4478	.0114
Stddev	.0070	.0009	.0001
%RSD	509.7	.1987	.6582
#1	.0036	.4484	.0114
#2	-.0063	.4472	.0113

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2655.7	81772.	7586.5
Stddev	3.1	507.	89.1
%RSD	.11608	.61952	1.1746
#1	2653.6	82130.	7523.5
#2	2657.9	81413.	7649.6

Zoom In Zoom Out

Sample Name: MC24054-3 Acquired: 9/6/2013 12:55:51 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0011	37.87	.0151	-.0025	.0326	.2880	.0023	8.767	.0009	.0331
Stddev	.0005	.19	.0001	.0011	.0005	.0011	.0000	.043	.0003	.0004
%RSD	49.23	.5029	.5287	42.71	1.547	.3737	.1982	.4936	29.51	1.355
#1	-.0015	37.73	.0152	-.0033	.0330	.2872	.0023	8.737	.0007	.0328
#2	-.0007	38.00	.0151	-.0018	.0322	.2888	.0023	8.798	.0011	.0334

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0864	.0721	80.72	6.738	17.93	2.740	.0017	.8411	.0673	.0387
Stddev	.0001	.0002	.30	.027	.03	.043	.0001	.0143	.0008	.0003
%RSD	.0891	.2241	.3760	.4055	.1892	1.575	4.485	1.699	1.136	.7309
#1	.0864	.0722	80.51	6.758	17.90	2.770	.0017	.8512	.0667	.0385
#2	.0863	.0720	80.94	6.719	17.95	2.709	.0018	.8310	.0678	.0389

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0026	.0094	-.0007	.0014	3.001	.0039	.0380	2.161	.0011	.1513
Stddev	.0015	.0007	.0006	.0010	.009	.0004	.0002	.013	.0002	.0012
%RSD	59.32	7.080	86.76	71.36	.2946	9.464	.5164	.5811	13.89	.7912
#1	-.0036	.0090	-.0003	.0020	3.007	.0042	.0379	2.170	.0010	.1521
#2	-.0015	.0099	-.0011	.0007	2.995	.0037	.0382	2.152	.0012	.1504

Elem	W_2397	Zn2062	Zr3391
Avg	.0026	.1609	.0123
Stddev	.0047	.0003	.0002
%RSD	184.9	.2067	1.613
#1	-.0008	.1611	.0125
#2	.0059	.1606	.0122

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2664.2	80997.	7484.4
Stddev	1.3	716.	63.3
%RSD	.04936	.88340	.84535
#1	2663.3	80491.	7529.1
#2	2665.1	81503.	7439.6

Zoom In Zoom Out

Sample Name: MC24054-4 Acquired: 9/6/2013 13:00:14 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0016	83.91	.0372	-.0054	.0343	.5858	.0064	13.71	.0013	.0770
Stddev	.0004	.04	.0014	.0013	.0004	.0002	.0000	.01	.0000	.0001
%RSD	22.72	.0434	3.821	24.28	1.243	.0318	.4281	.1048	3.363	.0858
#1	-.0019	83.94	.0361	-.0045	.0340	.5860	.0064	13.72	.0013	.0770
#2	-.0013	83.89	.0382	-.0063	.0346	.5857	.0064	13.70	.0013	.0770

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1788	.2244	156.1	5.099	40.85	4.451	.0036	1.182	.1052	.2238
Stddev	.0039	.0005	.4	.008	.12	.025	.0000	.002	.0003	.0006
%RSD	2.162	.2446	.2553	.1536	.2962	.5714	1.175	.1296	.2558	.2894
#1	.1815	.2240	156.4	5.104	40.76	4.469	.0036	1.183	.1054	.2243
#2	.1760	.2248	155.8	5.093	40.94	4.433	.0036	1.181	.1050	.2234

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0071	.0118	-.0023	-.0005	3.407	.0031	.0389	4.003	.0001	.3170
Stddev	.0003	.0007	.0008	.0009	.004	.0006	.0001	.004	.0008	.0017
%RSD	3.767	5.652	37.47	168.4	.1069	17.95	.2082	.1032	874.3	.5440
#1	-.0073	.0122	-.0029	.0001	3.409	.0027	.0388	4.006	-.0005	.3158
#2	-.0069	.0113	-.0017	-.0011	3.404	.0035	.0389	4.000	.0006	.3182

Elem	W_2397	Zn2062	Zr3391
Avg	.0037	.3426	.0195
Stddev	.0058	.0008	.0008
%RSD	158.0	.2333	4.280
#1	-.0004	.3432	.0201
#2	.0078	.3421	.0189

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3026.2	91866.	8770.7
Stddev	.5	339.	12.8
%RSD	.01780	.36874	.14610
#1	3026.6	91627.	8779.8
#2	3025.8	92106.	8761.7

Zoom In Zoom Out

Sample Name: MP21595-PS1 Acquired: 9/6/2013 13:04:35 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	86.55	.0370	-.0087	1.022	.7773	.0025	191.9	.0018	.0891
Stddev	.0005	.95	.0025	.0005	.005	.0069	.0001	2.4	.0002	.0012
%RSD	162.7	1.100	6.653	6.196	.4960	.8830	2.644	1.246	10.08	1.390
#1	-.0007	87.22	.0388	-.0083	1.019	.7822	.0024	193.6	.0017	.0882
#2	.0000	85.88	.0353	-.0091	1.026	.7725	.0025	190.2	.0019	.0900

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1079	.2130	195.2	7.911	140.7	5.097	.0022	1.161	.1213	.0661
Stddev	.0001	.0012	2.8	.058	2.1	.004	.0001	.009	.0012	.0005
%RSD	.1175	.5602	1.460	.7377	1.457	.0708	4.694	.7577	1.024	.7493
#1	.1080	.2138	197.2	7.952	142.2	5.095	.0022	1.168	.1205	.0658
#2	.1078	.2121	193.2	7.870	139.3	5.100	.0021	1.155	.1222	.0665

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0165	.0142	.0185	-.0013	2.860	-.0021	.2542	5.713	.0046	.3098
Stddev	.0012	.0093	.0014	.0009	.008	.0000	.0028	.021	.0002	.0018
%RSD	7.345	65.16	7.482	69.49	.2727	1.543	1.105	.3746	4.688	.5849
#1	-.0174	.0077	.0195	-.0006	2.854	-.0022	.2562	5.728	.0044	.3111
#2	-.0156	.0208	.0175	-.0019	2.865	-.0021	.2522	5.698	.0047	.3086

Elem	W_2397	Zn2062	Zr3391
Avg	.0059	.3523	.0278
Stddev	.0011	.0015	.0002
%RSD	17.73	.4395	.8442
#1	.0067	.3512	.0280
#2	.0052	.3534	.0277

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2584.2	79606.	7430.4
Stddev	8.5	244.	135.4
%RSD	.32983	.30704	1.8224
#1	2590.2	79433.	7334.6
#2	2578.2	79779.	7526.1

Zoom In Zoom Out

Sample Name: CRIA Acquired: 9/6/2013 13:09:44 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0048	.2149	.0096	.0001	.1040	.0505	.0042	5.040	.0045	.0505
Stddev	.0004	.0053	.0000	.0009	.0003	.0002	.0001	.008	.0000	.0002
%RSD	8.741	2.476	.3229	595.4	.2630	.4060	2.168	.1530	.2023	.3599
#1	.0051	.2187	.0096	.0008	.1042	.0507	.0041	5.045	.0045	.0504
#2	.0045	.2112	.0096	-.0005	.1038	.0504	.0042	5.034	.0045	.0507

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0105	.0250	.1217	4.983	4.891	.0163	.1025	5.115	.0410	.0101
Stddev	.0000	.0001	.0024	.025	.024	.0000	.0002	.014	.0001	.0002
%RSD	.3398	.4704	1.945	.5121	.4917	.2042	.1494	.2766	.2771	1.646
#1	.0105	.0249	.1234	4.965	4.908	.0163	.1023	5.105	.0409	.0102
#2	.0104	.0251	.1200	5.001	4.874	.0164	.1026	5.126	.0411	.0099

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0006	.0018	.0112	.0107	.0117	.1008	.0104	.0526	.0102	.0113
Stddev	.0000	.0007	.0000	.0013	.0008	.0014	.0001	.0008	.0008	.0003
%RSD	1.337	39.26	.2238	12.40	6.740	1.343	.7214	1.495	7.626	2.544
#1	-.0005	.0013	.0112	.0117	.0111	.0999	.0105	.0520	.0108	.0111
#2	-.0006	.0023	.0112	.0098	.0123	.1018	.0103	.0531	.0097	.0115

Elem	W_2397	Zn2062	Zr3391
Avg	.0036	.0214	.0047
Stddev	.0023	.0002	.0006
%RSD	63.82	.7546	11.98
#1	.0020	.0213	.0050
#2	.0052	.0215	.0043

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2525.3	76241.	7248.8
Stddev	10.5	270.	56.0
%RSD	.41706	.35467	.77210
#1	2517.8	76050.	7209.2
#2	2532.7	76432.	7288.3

Zoom In Zoom Out

Sample Name: ICSA Acquired: 9/6/2013 13:14:05 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	525.7	.0005	-.0005	.0034	-.0005	.0001	449.9	.0005	.0005
Stddev	.0001	11.8	.0002	.0005	.0005	.0000	.0001	11.9	.0001	.0002
%RSD	8.150	2.237	32.11	106.9	14.74	3.041	87.15	2.637	16.69	44.51
#1	-.0007	517.3	.0004	-.0001	.0038	-.0005	.0000	441.5	.0004	.0007
#2	-.0006	534.0	.0007	-.0009	.0031	-.0005	.0002	458.2	.0005	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0005	-.0001	182.4	.0986	485.0	-.0001	-.0010	.0687	-.0021	.0003
Stddev	.0004	.0016	3.8	.0101	10.9	.0001	.0001	.0037	.0003	.0028
%RSD	78.67	1087.	2.086	10.24	2.256	91.84	11.18	5.347	13.35	855.0
#1	.0008	-.0013	179.7	.1057	477.3	.0000	-.0011	.0661	-.0023	-.0016
#2	.0002	.0010	185.1	.0914	492.8	-.0002	-.0009	.0713	-.0019	.0023

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0432	-.0257	-.0015	-.0030	.0503	.0000	.0015	.0086	-.0001	.0007
Stddev	.0049	.0018	.0005	.0018	.0008	.0002	.0001	.0004	.0006	.0002
%RSD	11.30	6.977	34.94	58.12	1.680	890.3	8.026	4.430	460.3	31.20
#1	-.0467	-.0244	-.0011	-.0018	.0509	.0002	.0015	.0088	.0003	.0008
#2	-.0398	-.0269	-.0018	-.0043	.0497	-.0001	.0014	.0083	-.0006	.0005

Elem	W_2397	Zn2062	Zr3391
Avg	-.0287	-.0008	-.0031
Stddev	.0029	.0002	.0003
%RSD	10.18	20.87	10.08
#1	-.0266	-.0007	-.0028
#2	-.0308	-.0009	-.0033

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2304.9	69253.	6990.5
Stddev	2.6	2168.	171.4
%RSD	.11440	3.1304	2.4513
#1	2306.8	67720.	7111.7
#2	2303.1	70786.	6869.4

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 9/6/2013 13:18:27 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.049	537.3	2.071	.4917	1.010	.5163	.4817	459.5	1.030	.4593
Stddev	.000	.2	.002	.0025	.002	.0001	.0001	4.7	.001	.0003
%RSD	.0351	.0351	.0904	.4989	.1625	.0224	.0305	1.017	.0554	.0753
#1	1.049	537.1	2.069	.4934	1.009	.5164	.4816	456.2	1.030	.4590
#2	1.048	537.4	2.072	.4899	1.011	.5162	.4818	462.8	1.029	.4595

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4868	.5066	186.6	.0931	495.7	.4985	.9675	.0581	.8789	.9022
Stddev	.0009	.0025	.3	.0194	.9	.0009	.0009	.0019	.0012	.0018
%RSD	.1892	.4974	.1369	20.81	.1824	.1815	.0917	3.282	.1324	.2030
#1	.4875	.5048	186.4	.0794	495.1	.4991	.9669	.0595	.8781	.9009
#2	.4862	.5084	186.8	.1068	496.3	.4979	.9682	.0568	.8797	.9035

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	.4833	.4628	2.082	2.057	2.166	.9761	1.005	.5015	1.905	.4973
Stddev	.0010	.0049	.000	.004	.006	.0010	.000	.0005	.001	.0008
%RSD	.2112	1.051	.0209	.2168	.2728	.1050	.0108	.1037	.0310	.1573
#1	.4840	.4663	2.082	2.054	2.162	.9769	1.005	.5019	1.904	.4978
#2	.4826	.4594	2.082	2.060	2.170	.9754	1.005	.5012	1.905	.4967

Elem	W_2397	Zn2062	Zr3391
Avg	1.836	.9065	.4206
Stddev	.017	.0011	.0036
%RSD	.9398	.1242	.8552
#1	1.848	.9057	.4181
#2	1.824	.9073	.4232

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2308.6	70056.	6865.3
Stddev	.1	227.	39.0
%RSD	.00286	.32430	.56761
#1	2308.6	69895.	6892.8
#2	2308.6	70217.	6837.7

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/6/2013 13:22:43 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2490	10.04	2.007	-.0035	2.004	1.960	2.000	9.926	1.977	1.970
Stddev	.0009	.01	.003	.0008	.001	.001	.000	.006	.004	.004
%RSD	.3686	.0591	.1468	23.80	.0499	.0618	.0164	.0568	.1942	.1932
#1	.2483	10.03	2.009	-.0041	2.003	1.961	2.000	9.922	1.980	1.973
#2	.2496	10.04	2.005	-.0029	2.005	1.959	2.000	9.930	1.974	1.968

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.984	1.959	9.880	9.553	9.758	2.036	1.991	10.01	1.970	1.949
Stddev	.002	.003	.060	.005	.068	.000	.001	.01	.004	.004
%RSD	.1202	.1559	.6029	.0477	.6952	.0073	.0598	.1261	.1974	.2279
#1	1.982	1.957	9.922	9.550	9.806	2.036	1.992	9.997	1.973	1.952
#2	1.986	1.961	9.837	9.557	9.710	2.036	1.990	10.02	1.967	1.946

Elem	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Avg	-.0023	.0055	1.997	2.006	.0510	2.001	2.000	1.983	2.012	1.986
Stddev	.0007	.0021	.003	.003	.0009	.003	.007	.001	.001	.002
%RSD	29.41	38.82	.1642	.1487	1.698	.1625	.3681	.0534	.0249	.0764
#1	-.0027	.0070	1.999	2.008	.0516	2.003	2.005	1.983	2.011	1.985
#2	-.0018	.0040	1.994	2.004	.0503	1.999	1.995	1.984	2.012	1.987

Elem	W_2397	Zn2062	Zr3391
Avg	.0141	1.954	.0140
Stddev	.0024	.004	.0036
%RSD	16.77	.2129	25.57
#1	.0157	1.957	.0166
#2	.0124	1.951	.0115

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2511.9	75372.	7093.4
Stddev	3.0	149.	7.8
%RSD	.11849	.19772	.11064
#1	2509.8	75266.	7099.0
#2	2514.0	75477.	7087.9

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/6/2013 13:26:55 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0004	.0063	.0007	.0005	.0046	.0004	.0002	.0125	.0004
Stddev	.0004	.0034	.0013	.0005	.0010	.0002	.0000	.0010	.0000
%RSD	96.22	54.66	199.6	104.4	22.18	43.51	.5264	7.943	4.792
#1	-.0007	.0039	.0016	.0001	.0053	.0005	.0002	.0118	.0003
#2	-.0001	.0087	-.0003	.0008	.0038	.0002	.0002	.0132	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0001	.0005	.0011	.0099	.0170	-.0022	.0002	.0029	-.0188
Stddev	.0001	.0003	.0004	.0007	.0307	.0151	.0000	.0007	.0081
%RSD	80.63	56.23	35.30	7.177	180.2	691.6	23.28	23.55	43.29
#1	.0002	.0003	.0008	.0094	-.0047	.0085	.0002	.0034	-.0130
#2	.0001	.0007	.0013	.0104	.0387	-.0128	.0002	.0025	-.0245

Elem	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	.0003	-.0002	-.0011	-.0028	.0008	.0021	.0045	.0007	.0003
Stddev	.0000	.0004	.0007	.0025	.0002	.0006	.0001	.0005	.0000
%RSD	6.819	243.8	61.54	90.49	28.22	29.24	3.086	63.53	2.267
#1	.0003	-.0005	-.0006	-.0046	.0007	.0017	.0044	.0004	.0003
#2	.0003	.0001	-.0016	-.0010	.0010	.0025	.0046	.0011	.0003

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0001	F.0022	.0007	.0071	.0003	-.0036
Stddev	.0002	.0006	.0005	.0042	.0002	.0002
%RSD	169.8	29.01	74.55	59.41	61.16	6.711
#1	.0000	.0026	.0003	.0100	.0002	-.0034
#2	.0003	.0017	.0011	.0041	.0004	-.0037

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2513.8	75009.	7050.4
Stddev	2.6	298.	5.4
%RSD	.10374	.39670	.07723
#1	2512.0	74799.	7054.2
#2	2515.7	75220.	7046.5

Zoom In Zoom Out

Sample Name: MC24037-1UND Acquired: 9/6/2013 13:31:19 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0002	.2568	F-.0042	.0000	.0434	.1843	.0002	118.9
Stddev	.0004	.0102	.0004	.001	.0005	.0003	.0001	.0
%RSD	246.7	3.974	10.27	21470.	1.040	.1532	47.24	.0351
#1	-.0005	.2495	-.0045	.0004	.0437	.1845	.0001	118.9
#2	.0001	.2640	-.0039	-.0004	.0431	.1841	.0003	118.9

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0665	.0002	.0018	.0141	.0827	3.238	4.864	.4352
Stddev	.0003	.0001	.0004	.0007	.0017	.042	.003	.0002
%RSD	.3904	43.25	22.01	5.019	2.070	1.294	.0514	.0567
#1	.0663	.0001	.0015	.0136	.0815	3.268	4.863	.4350
#2	.0666	.0003	.0021	.0147	.0839	3.209	4.866	.4354

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0008	F1234.	.0066	.0019	-.0076	.0029	-.0001	.0074
Stddev	.0001	1.	.0005	.0000	.0001	.0030	.0012	.0016
%RSD	12.06	.0512	7.110	.9185	.7623	101.4	1286.	21.85
#1	.0009	1234.	.0070	.0019	-.0077	.0050	.0007	.0085
#2	.0008	1234.	.0063	.0019	-.0076	.0008	-.0009	.0062

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	3.464	.0036	.2883	.0046	F-.0127	.0014	.0077	.1941
Stddev	.005	.0000	.0002	.0005	.0002	.0003	.0067	.0013
%RSD	.1362	.0203	.0833	10.45	1.765	23.55	88.03	.6882
#1	3.467	.0036	.2885	.0043	-.0128	.0012	.0124	.1951
#2	3.460	.0036	.2881	.0050	-.0125	.0017	.0029	.1932

Elem	Zr3391
Avg	-.0041
Stddev	.0001
%RSD	1.547
#1	-.0040
#2	-.0041

Zoom In Zoom Out

Sample Name: MC24037-1UND Acquired: 9/6/2013 13:31:19 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2389.4	73969.	7202.2
Stddev	.3	49.	43.8
%RSD	.01241	.06634	.60848
#1	2389.6	74004.	7233.2
#2	2389.2	73934.	7171.2

Zoom In Zoom Out

Sample Name: MC24037-1AUND Acquired: 9/6/2013 13:35:46 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0001	.3944	-.0036	-.0005	.0820	.5626	.0001	123.8
Stddev	.0001	.0162	.0003	.0010	.0003	.0011	.0000	.4
%RSD	51.38	4.117	9.283	197.9	.3548	.1980	1.293	.3209
#1	-.0001	.3829	-.0034	.0002	.0818	.5634	.0001	124.0
#2	-.0002	.4059	-.0039	-.0013	.0822	.5618	.0001	123.5

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0629	.0001	.0021	.0136	.1542	3.686	4.635	.3750
Stddev	.0003	.0001	.0001	.0004	.0017	.018	.047	.0014
%RSD	.5285	88.54	5.818	2.972	1.127	.4857	1.016	.3732
#1	.0626	.0001	.0020	.0133	.1554	3.699	4.601	.3760
#2	.0631	.0000	.0022	.0139	.1529	3.674	4.668	.3740

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	Sb2068	Se1960
Avg	.0004	F1163.	.0055	.0014	-.0091	-.0019	-.0001	.0087
Stddev	.0000	36.	.0001	.0008	.0001	.0044	.0001	.0007
%RSD	12.21	3.120	2.022	58.89	.9564	229.6	103.5	7.708
#1	.0004	1189.	.0056	.0019	-.0091	-.0050	.0000	.0091
#2	.0004	1138.	.0054	.0008	-.0090	.0012	-.0001	.0082

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062
Avg	3.834	.0040	.2957	.0085	F-.0132	.0017	.0014	.2164
Stddev	.013	.0003	.0014	.0004	.0008	.0004	.0070	.0006
%RSD	.3420	7.758	.4640	4.511	5.983	23.74	505.7	.2864
#1	3.825	.0042	.2967	.0082	-.0127	.0014	-.0036	.2169
#2	3.844	.0038	.2947	.0088	-.0138	.0020	.0063	.2160

Elem	Zr3391
Avg	-.0044
Stddev	.0000
%RSD	.7348
#1	-.0044
#2	-.0044

Zoom In
Zoom Out

Sample Name: MC24037-1AUND Acquired: 9/6/2013 13:35:46 Type: Unk
Method: Accutest -SS2(v66) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	2385.3	73952.	7512.2
Stddev	5.3	353.	65.3
%RSD	.22238	.47796	.86870
#1	2389.1	73702.	7466.1
#2	2381.6	74202.	7558.3

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	-0.000243	0.000000	No
			Co	0.000025	0.000000	No
			Mn	0.000046	0.000000	No
			Mo	-0.000042	0.000000	No
			Cu	0.000019	0.000000	No
			Ti	-0.000088	0.000000	No
			Al	-0.000000	0.000000	No
			Zr	0.003788	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.003505	0.000000	No
			Mo	0.048640	0.000000	No
			Ca	0.000154	0.000000	No
As 189.042 {479}	☒	9	V	0.000116	0.000000	No
			Al	-0.000013	0.000000	No
			Mo	0.000770	0.000000	No
			Fe	-0.000006	0.000000	No
			Mn	0.000256	0.000000	No
			Ca	0.000000	0.000000	No
			Mg	-0.000000	0.000000	No
			Cr	0.000453	0.000000	No
			Na	-0.000000	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000122	0.000000	No
			Mn	0.010681	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.021507	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000005	0.000000	No
Be 313.042 {108}	☒	3	V	0.000027	0.000000	No
			Mo	-0.000032	0.000000	No
			Ti	-0.000279	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	5	Ni	-0.000027	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000011	0.000000	No
			Ca	0.000001	0.000000	No
			Pt	-0.011956	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000043	0.000000	No
			Mo	-0.000136	0.000000	No
			Ti	0.001851	0.000000	No
			Ca	-0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000004	0.000000	No
			Mn	0.000091	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000098	0.000000	No
			V	-0.000207	0.000000	No
			Mo	0.000488	0.000000	No
			Co	-0.000350	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000483	0.000000	No
			Co	0.000765	0.000000	No
			Cr	0.002515	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000008	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000129	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Al	0.000546	0.000000	No
	Ni 231.604 {446}	☒	3	Mo	0.000090	0.000000	No
				Fe	0.000017	0.000000	No
				Ca	-0.000001	0.000000	No
	Pb 220.353 {453}	☒	10	Al	-0.000070	0.000000	No
				Mn	0.000028	0.000000	No
				Mo	-0.001493	0.000000	No
				Co	-0.000419	0.000000	No
				Cu	0.000379	0.000000	No
				Ca	-0.000003	0.000000	No
				Fe	0.000025	0.000000	No
				Mg	0.000002	0.000000	No
				Ni	0.000039	0.000000	No
				Si	0.000118	0.000000	No
	Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
				Co	-0.000515	0.000000	No
				Cu	0.000121	0.000000	No
				Fe	-0.000351	0.000000	No
	Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
				Fe	-0.000027	0.000000	No
				Cr	0.007692	0.000000	No
				Ni	0.000902	0.000000	No
				Mn	-0.007038	0.000000	No
				V	-0.000835	0.000000	No
				Co	-0.000324	0.000000	No
				Cu	-0.000222	0.000000	No
	Sb 206.833 {463}	☒	12	Al	-0.000002	0.000000	No
				Fe	0.000011	0.000000	No
				Cr	0.009923	0.000000	No
				Mo	-0.003756	0.000000	No
				Mg	0.000000	0.000000	No
				Ni	-0.000343	0.000000	No
				V	-0.001422	0.000000	No
				Ca	0.000002	0.000000	No
				Ti	0.000081	0.000000	No
				Cu	0.000045	0.000000	No
				Sn	-0.007401	0.000000	No
				Pt	-0.002057	0.000000	No
	Se 196.090 {472}	☒	8	Al	-0.000005	0.000000	No
				Fe	-0.000285	0.000000	No
				Mn	0.000360	0.000000	No
				Mo	0.000208	0.000000	No
				Ca	-0.000002	0.000000	No
				Na	0.000000	0.000000	No
				Co	-0.000453	0.000000	No
				Pd	-0.003371	0.000000	No
	Si 212.412 {459}	☒	3	V	0.027489	0.000000	No
				Ti	0.015670	0.000000	No
				Mo	0.031283	0.000000	No
	Sn 189.989 {478}	☒	None				
	Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
	Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
				Mo	0.000546	0.000000	No
	Tl 190.856 {477}	☒	10	Mn	0.000949	0.000000	No
				Cr	0.000192	0.000000	No
				V	-0.024878	0.000000	No
				Co	0.001633	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Al	-0.000003	0.000000	No
				Fe	0.000007	0.000000	No
				Ti	-0.001250	0.000000	No
				Mo	0.000119	0.000000	No
				Ca	-0.000000	0.000000	No
				Na	0.000006	0.000000	No
	V 292.402 {115}	☒	3	Ti	0.000455	0.000000	No
				Mo	-0.000978	0.000000	No
				Fe	0.000018	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000106	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000013	0.000000	No
				Mn	-0.000026	0.000000	No
				Ni	0.000026	0.000000	No
				Cr	-0.000478	0.000000	No
				Mo	0.000147	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000003	0.000000	No
				Na	0.000000	0.000000	No
	Zr 339.198 { 99}	☒	6	Si	0.000182	0.000000	No
				Ti	0.000195	0.000000	No
				Fe	0.000024	0.000000	No
				Sn	0.002296	0.000000	No
				Au	0.002269	0.000000	No
				Ba	0.000845	0.000000	No

Prep QC: MP21595

ACCUTEST

Date:	09/06/13
Time	7:20

Name:	ERICM1
MP Batch ID:	MP21595
QC Sample ID:	MC24052-2

Reagent Lot #	
1:1 HNO3	RGT-37100-METALS
1:1 HCL	RGT-37294-METALS
Conc HNO3	VENDOR-13668
H2O2	VENDOR-13654
LCS	VENDOR-13657
Filter Paper Lot #	11104171
Digetion Tube Lot #	MM01LKK0; 1303205

Aqueous EPA 200.7/ 200.8	○
Aqueous SW846 3010A	○
Soil- SW846 3050B	◉

ML Used	Spike Lot#
1	RGT-37165-METALS
1	RGT-37270-METALS
1	RGT-37166-METALS
1	RGT-37167-METALS
Spike ID	MPICP

Dig Block ID:	5	Therm ID	QA010	Temp. C	96	Factor	-1.5	Corrected Temp C	94.5
Dig Block ID:		Therm ID		Temp. C		Factor		Corrected Temp C	
Balance ID:	ACC-3	Repipetor ID	3						

Note: (A)Serial dilution shown for QC purposes only (not a seperate digestion). (B) For DW samples <1NTU, measure pH prior to analysis.

Bot#	Sample #	Initial G	Final (ML)			1:1 HNO3 (ML)	Conc. HNO3 (ML)	1:1 HCL (ML)	H2O2 (ML)	Comment
	MP21595-LC1	1	100			10	5	10	3	
	MP21595-MB1	1	100			10	5	10	3	
	MP21595-B1	1	100			10	5	10	3	
6	MP21595-S1	1.21	100			10	5	10	3	
6	MP21595-SD1	1.22	100			10	5	10	3	
	MP21595-B2	1	100			10	5	10	3	
6	MP21595-S2	1.21	100			10	5	10	3	
1	MC23929-2	1.18	100			10	5	10	3	
2	MC24023-2	1.43	100			10	5	10	3	
6	MC24052-1	1.21	100			10	5	10	3	
6	MC24052-2	1.22	100			10	5	10	3	
6	MC24052-3	1.22	100			10	5	10	3	
6	MC24052-4	1.22	100			10	5	10	3	
6	MC24052-5	1.2	100			10	5	10	3	
6	MC24052-6	1.22	100			10	5	10	3	
6	MC24052-7	1.22	100			10	5	10	3	
2	MC24054-3	1.22	100			10	5	10	3	
1	MC24054-4	1.23	100			10	5	10	3	
1	MC24085-1	1.21	100			10	5	10	3	
1	MC24085-2	1.24	100			10	5	10	3	
1	MC24085-3	1.22	100			10	5	10	3	
1	MC24085-4	1.22	100			10	5	10	3	
1	MC24085-5	1.25	100			10	5	10	3	

Protected Worksheet MMP003-02 QC Review EAL Date: 09/06/13

(Format edits must be done by dept. Manager)

13.3.1 13

HG SO: SW846 7471B

AQ ○ SO ◉ **Analysis: Hg**

Protected Worksheet
Format edits must be done by Dept. Manager

MP#	MP21596	Date	9/6/13	Balance ID	ACC-3	Pipet ID	N/A	Prep Analyst	EM				
Dig Block ID	3	Therm ID	GN015	Temp	97	Factor	-2	Corr. Temp. Deg C	95	Start Time	8:45	End Time	9:15
Dig Block ID	3	Therm ID	GN015	Temp	97	Factor	-2	Corr. Temp. Deg C	95	Start Time	9:27	End Time	9:57
MA#	MA16055	Date	9/6/13	Run File	H2090613S1.PRN			Calib File	2090613S			Analyst	EM

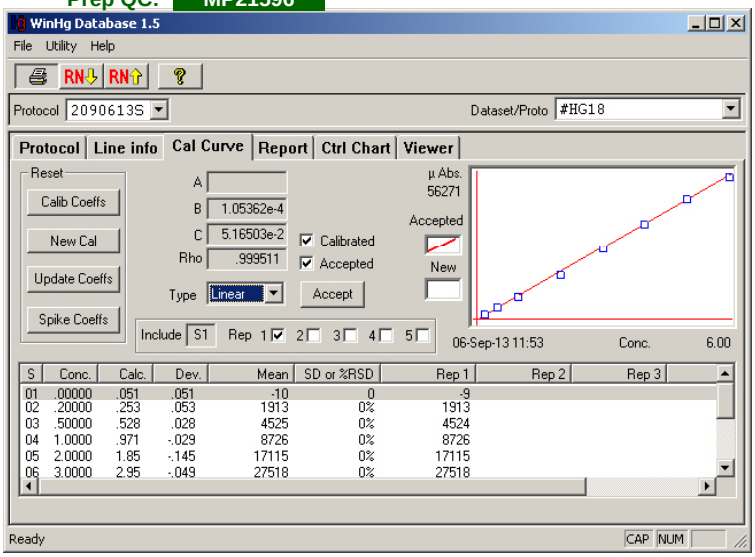
Bot#	Sample ID	Init G	Fin ML	Block ID	Comments	Bot#	Sample ID	Init G	Fin ML	Block ID	Comments
	RB		100	3		6	MC24052-1	0.63	100	3	
	STD#1		100	3	2 ml of METSTD 31117 Hg- 2	6	MC24052-2	0.66	100	3	
	STD#2		100	3	5 ml of METSTD 31117 Hg- 2	6	MC24052-3	0.62	100	3	
	STD#3		100	3	1 ml of METSTD 31117 Hg- 1	6	MC24052-4	0.66	100	3	
	STD#4		100	3	2 ml of METSTD 31117 Hg- 1	6	MC24052-5	0.63	100	3	
	STD#5		100	3	3 ml of METSTD 31117 Hg- 1	6	MC24052-6	0.66	100	3	
	STD#6		100	3	4 ml of METSTD 31117 Hg- 1	6	MC24052-7	0.64	100	3	
	STD#7		100	3	5 ml of METSTD 31117 Hg- 1	2	MC24054-3	0.67	100	3	
	STD#8		100	3	6 ml of METSTD 31117 Hg- 1	1	MC24054-4	0.65	100	3	
	ICV		100	3	4 ml of METSTD 31118 Hg- 1	1	MC24085-1	0.65	100	3	
	CCV		100	3	3 ml of METSTD 31117 Hg- 1	1	MC24085-3	0.65	100	3	
	CRI		100	3	2 ml of METSTD 31117 Hg- 2	1	MC24085-4	0.64	100	3	
	ICB		100	3		1	MC24085-5	0.66	100	3	
	CCB		100	3			MP21596-LC1	0.6	100	3	VENDOR-13657
*	MB	0.6	100	3							
*	SB	0.6	100	3	3 ml of METSTD 31117 Hg- 1						
*	SBD	0.6	100	3	3 ml of METSTD 31117 Hg- 1						
1	MS MC24085-2	0.64	100	3	3 ml of METSTD 31117 Hg- 1						
1	MSD MC24085-2	0.65	100	3	3 ml of METSTD 31117 Hg- 1						
1	MC24085-2	0.64	100	3							
2	MC24023-2	0.79	100	3							
3	MC24047-1	0.63	100	3							

Reagent Lot#

Pot. Permanganate	RGT-	37154	_HG	Stannous Chloride	RGT-	37339	_HG	Conc. HNO3	Vendor- ***N/A***
Aqua Regia	RGT-	37338	_HG	Stannous Sulfate	RGT-	****N/A****	_HG	Conc. H2SO4	Vendor- ***N/A***
Hydroxylamine.SO4	RGT-	37177	_HG	Instrument ID:	HG-2			Dig.Tubes	MM01LKK0

Comment: * SAND USED : VENDOR-12599.

QC Review: PuiY **Date:** 9/6/13 **MMA015-02**


WinHg Database 1.5
File Utility Help
RN RN
Protocol 2090613S
Dataset/Proto #HG18
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 1.05362e-4
C 5.16503e-2
Rho .999511
Type Linear
Calibrated
Accepted
Accept
µ Abs.
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06-Sep-13 11:53
Conc. 6.00
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 .051 .051 -10 0 -9
02 .20000 .253 .053 1913 0% 1913
03 .50000 .528 .028 4525 0% 4524
04 1.0000 .971 -.029 8726 0% 8726
05 2.0000 1.85 -.145 17115 0% 17115
06 3.0000 2.95 -.049 27518 0% 27518
Ready
CAP NUM

New England ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: MC24023
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MC24023-1 **Analyzed:** 06-SEP-13 by MC **Method:** SM21 2540 B MOD.
ClientID: LBA-MW-22-(7)

Wet Weight (Total)	34.78	g
Tare Weight	27.026	g
Dry Weight (Total)	34.3	g
Solids, Percent	93.8	%

Sample: MC24023-2 **Analyzed:** 06-SEP-13 by MC **Method:** SM21 2540 B MOD.
ClientID: LBA-MW-24-(1)

Wet Weight (Total)	24.158	g
Tare Weight	17.137	g
Dry Weight (Total)	23.194	g
Solids, Percent	86.3	%

Sample: MC24023-3 **Analyzed:** 06-SEP-13 by MC **Method:** SM21 2540 B MOD.
ClientID: LBA-MW-25-(4)

Wet Weight (Total)	31.07	g
Tare Weight	21.844	g
Dry Weight (Total)	30.185	g
Solids, Percent	90.4	%

Sample: MC24023-5 **Analyzed:** 06-SEP-13 by MC **Method:** SM21 2540 B MOD.
ClientID: LBA-MW-26-(12)

Wet Weight (Total)	29.382	g
Tare Weight	19.44	g
Dry Weight (Total)	27.994	g
Solids, Percent	86	%

Sample: MC24023-7 **Analyzed:** 06-SEP-13 by MC **Method:** SM21 2540 B MOD.
ClientID: LBA-MW-27-(16-17.7)

Wet Weight (Total)	27.925	g
Tare Weight	19.995	g
Dry Weight (Total)	26.414	g
Solids, Percent	80.9	%

New England ACCUTEST LABORATORIES

10/28/13

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC24064

Sampling Dates: 09/03/13 - 09/04/13

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **429**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) ISO 17025:2005 (L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC24064

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC24064-1	09/03/13	11:23	BJW	09/05/13	SO	Soil	LBA-MW-28-(17-17.3)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environmental & Energy **Job No** MC24064

Site: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca **Report Date** 9/12/2013 12:48:45 PM

1 Sample was collected on 09/03/2013 and were received at Accutest on 09/05/2013 properly preserved, at 2.2 Deg. C and intact. These Samples received an Accutest job number of MC24064. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** MSM2039

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC24064-1MS, MC24064-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- MSM2039-BS Recovery(s) for 2-Butanone (MEK), 2-Hexanone, Acetone, Tetrachloroethene are outside control limits. Blank Spike meets program technical requirements.
- Matrix Spike Recovery(s) for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 4-Methyl-2-pentanone (MIBK), Acetone, Bromoform, Cyclohexane, Ethylbenzene, Freon 113, Isopropylbenzene, Methylcyclohexane, Styrene, Tetrachloroethene, Vinyl chloride, Xylene (total) are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for 4-Methyl-2-pentanone (MIBK), Acetone, Bromoform, Vinyl chloride, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Isopropylbenzene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- RPD(s) for MSD for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Cyclohexane, Ethylbenzene, Freon 113, Isopropylbenzene, Methylcyclohexane, Tetrachloroethene, Xylene (total) are outside control limits for sample MC24064-1MSD. High RPD due to possible matrix interference and/or sample non-homogeneity.
- MSM2039-BS for Bromoform: Outside control limits. Associated samples are non-detect for this compound.
- MC24064-1MS, MC24064-1MSD for Tert Butyl Alcohol-D9: Outside control limits. Target analytes not associated with this internal standard.

Extractables by GCMS By Method SW846 8270C

Matrix: SO **Batch ID:** OP34724

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC24047-1MS, MC24047-1MSD were used as the QC samples indicated.
- OP34724-BS Recovery(s) for Benzaldehyde are outside control limits. Blank Spike meets program technical requirements.
- OP34724-MS/MSD Recovery(s) for Benzaldehyde are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.

Extractables by GC By Method SW846 8082

Matrix: SO	Batch ID: OP34712

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC24045-61MS, MC24045-61MSD were used as the QC samples indicated.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix: SO	Batch ID: GN44211

- Sample(s) MC24074-3DUP were used as the QC samples for Solids, Percent.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC24064).

Summary of Hits

Job Number: MC24064
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 09/03/13 thru 09/04/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC24064-1	**LBA-MW-28-(17-17.3)**					
Acetone		21.2	14	5.4	ug/kg	SW846 8260B
Carbon disulfide		2.8 J	6.9	0.21	ug/kg	SW846 8260B
Methylene chloride		2.6 J	2.8	2.1	ug/kg	SW846 8260B
Toluene		0.60 J	6.9	0.34	ug/kg	SW846 8260B
Total TIC, Volatile		27 J			ug/kg	
Total TIC, Semi-Volatile		2490 J			ug/kg	

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@143132 13:28 28-Oct-2013

Report of Analysis

Client Sample ID:	LBA-MW-28-(17-17.3)		
Lab Sample ID:	MC24064-1	**Date Sampled:**	09/03/13
Matrix:	SO - Soil	**Date Received:**	09/05/13
Method:	SW846 8260B	**Percent Solids:**	79.7
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M59060.D	1	09/09/13	KD	n/a	n/a	MSM2039
Run #2							

	Initial Weight	Final Volume
Run #1	4.53 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	21.2	14	5.4	ug/kg	
71-43-2	Benzene	ND	0.69	0.34	ug/kg	
75-27-4	Bromodichloromethane	ND	2.8	0.50	ug/kg	
75-25-2	Bromoform	ND	2.8	0.40	ug/kg	
74-83-9	Bromomethane	ND	2.8	1.3	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.9	4.3	ug/kg	
75-15-0	Carbon disulfide	2.8	6.9	0.21	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.8	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	2.8	0.37	ug/kg	
75-00-3	Chloroethane	ND	6.9	0.83	ug/kg	
67-66-3	Chloroform	ND	2.8	0.40	ug/kg	
74-87-3	Chloromethane	ND	6.9	1.7	ug/kg	
110-82-7	Cyclohexane	ND	6.9	0.37	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.9	2.8	ug/kg	
124-48-1	Dibromochloromethane	ND	2.8	0.59	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.8	0.78	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.8	0.29	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.8	0.31	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.8	0.28	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.8	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.8	0.46	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.8	0.75	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.8	0.72	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.8	0.70	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.8	0.62	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.8	0.58	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.8	0.40	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.8	0.40	ug/kg	
100-41-4	Ethylbenzene	ND	2.8	0.25	ug/kg	
76-13-1	Freon 113	ND	6.9	1.3	ug/kg	
591-78-6	2-Hexanone	ND	6.9	3.4	ug/kg	
98-82-8	Isopropylbenzene	ND	6.9	0.39	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-28-(17-17.3)		
Lab Sample ID:	MC24064-1	**Date Sampled:**	09/03/13
Matrix:	SO - Soil	**Date Received:**	09/05/13
Method:	SW846 8260B	**Percent Solids:**	79.7
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.9	3.8	ug/kg	
108-87-2	Methylcyclohexane	ND	6.9	0.29	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.8	0.55	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.9	2.6	ug/kg	
75-09-2	Methylene chloride	2.6	2.8	2.1	ug/kg	J
100-42-5	Styrene	ND	6.9	0.28	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.8	0.41	ug/kg	
127-18-4	Tetrachloroethene	ND	2.8	0.61	ug/kg	
108-88-3	Toluene	0.60	6.9	0.34	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	6.9	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.8	0.25	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.8	0.48	ug/kg	
79-01-6	Trichloroethene	ND	2.8	0.66	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.8	1.5	ug/kg	
75-01-4	Vinyl chloride	ND	2.8	0.79	ug/kg	
1330-20-7	Xylene (total)	ND	2.8	0.28	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	79%		70-130%
2037-26-5	Toluene-D8	83%		70-130%
460-00-4	4-Bromofluorobenzene	86%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
1000111-72-9	trans,cis-1,8-Dimethylspiro[4.5]decane	18.14	16	ug/kg	JN
707-35-7	1,3,5-Trimethyladamantane	18.56	11	ug/kg	JN
	Total TIC, Volatile		27	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@143132 13:28 28-Oct-2013

Report of Analysis

Client Sample ID: LBA-MW-28-(17-17.3)
Lab Sample ID: MC24064-1 **Date Sampled:** 09/03/13
Matrix: SO - Soil **Date Received:** 09/05/13
Method: SW846 8270C SW846 3546 **Percent Solids:** 79.7
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R33461.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218
Run #2							

	Initial Weight	Final Volume
Run #1	20.5 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	310	14	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	610	16	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	610	18	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	610	100	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	610	77	ug/kg	
95-48-7	2-Methylphenol	ND	610	24	ug/kg	
	3&4-Methylphenol	ND	610	30	ug/kg	
88-75-5	2-Nitrophenol	ND	610	16	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	110	ug/kg	
87-86-5	Pentachlorophenol	ND	610	43	ug/kg	
108-95-2	Phenol	ND	310	17	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	610	15	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	610	15	ug/kg	
83-32-9	Acenaphthene	ND	120	16	ug/kg	
208-96-8	Acenaphthylene	ND	120	12	ug/kg	
98-86-2	Acetophenone	ND	610	14	ug/kg	
120-12-7	Anthracene	ND	120	15	ug/kg	
1912-24-9	Atrazine	ND	610	610	ug/kg	
100-52-7	Benzaldehyde	ND	610	610	ug/kg	
56-55-3	Benzo(a)anthracene	ND	120	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	120	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	120	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	120	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	120	19	ug/kg	
92-52-4	1,1'-Biphenyl	ND	610	120	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	310	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	310	13	ug/kg	
105-60-2	Caprolactam	ND	610	610	ug/kg	
91-58-7	2-Chloronaphthalene	ND	310	17	ug/kg	
106-47-8	4-Chloroaniline	ND	610	15	ug/kg	
86-74-8	Carbazole	ND	120	14	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-28-(17-17.3)		
Lab Sample ID:	MC24064-1	**Date Sampled:**	09/03/13
Matrix:	SO - Soil	**Date Received:**	09/05/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	79.7
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	120	15	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	310	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	310	19	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	310	22	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	310	19	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	610	41	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	610	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	310	31	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	15	ug/kg	
132-64-9	Dibenzofuran	ND	120	17	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	310	32	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	310	9.6	ug/kg	
84-66-2	Diethyl phthalate	ND	310	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	310	18	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	310	11	ug/kg	
206-44-0	Fluoranthene	ND	120	17	ug/kg	
86-73-7	Fluorene	ND	120	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	310	19	ug/kg	
87-68-3	Hexachlorobutadiene	ND	310	18	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	610	150	ug/kg	
67-72-1	Hexachloroethane	ND	310	15	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	120	14	ug/kg	
78-59-1	Isophorone	ND	310	14	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	16	ug/kg	
88-74-4	2-Nitroaniline	ND	610	15	ug/kg	
99-09-2	3-Nitroaniline	ND	610	34	ug/kg	
100-01-6	4-Nitroaniline	ND	610	15	ug/kg	
91-20-3	Naphthalene	ND	120	20	ug/kg	
98-95-3	Nitrobenzene	ND	310	17	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	310	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	310	19	ug/kg	
85-01-8	Phenanthrene	ND	120	17	ug/kg	
129-00-0	Pyrene	ND	120	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		30-130%
4165-62-2	Phenol-d5	69%		30-130%
118-79-6	2,4,6-Tribromophenol	80%		30-130%
4165-60-0	Nitrobenzene-d5	59%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-28-(17-17.3)		
Lab Sample ID:	MC24064-1	**Date Sampled:**	09/03/13
Matrix:	SO - Soil	**Date Received:**	09/05/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	79.7
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	75%		30-130%
1718-51-0	Terphenyl-d14	86%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
80655-44-3	Decahydro-4,4,8,9,10-pentamethylna	6.48	590	ug/kg	JN
13798-23-7	Sulfur	6.74	1400	ug/kg	JN
544-76-3	Hexadecane	7.90	500	ug/kg	JN
	Total TIC, Semi-Volatile		2490	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@143132 13:28 28-Oct-2013

Report of Analysis

Client Sample ID: LBA-MW-28-(17-17.3)
Lab Sample ID: MC24064-1 **Date Sampled:** 09/03/13
Matrix: SO - Soil **Date Received:** 09/05/13
Method: SW846 8082 SW846 3546 **Percent Solids:** 79.7
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK29051.D	1	09/10/13	NK	09/06/13	OP34712	GBK984
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	40	18	ug/kg	
11104-28-2	Aroclor 1221	ND	40	24	ug/kg	
11141-16-5	Aroclor 1232	ND	40	19	ug/kg	
53469-21-9	Aroclor 1242	ND	40	20	ug/kg	
12672-29-6	Aroclor 1248	ND	40	18	ug/kg	
11097-69-1	Aroclor 1254	ND	40	29	ug/kg	
11096-82-5	Aroclor 1260	ND	40	20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%		30-150%
877-09-8	Tetrachloro-m-xylene	49%		30-150%
2051-24-3	Decachlorobiphenyl	65%		30-150%
2051-24-3	Decachlorobiphenyl	48%		30-150%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 1 OF 1

FED-EX Tracking # 9019 9105 8266 | Bottle Order Control #
Accutest Quote # | Accutest Job # MC24064

Client / Reporting Information

Company Name: WSP
Street Address: 11190 Sunrise Valley Dr Ste 300
City: Reston State: VA Zip: 20191
Project Contact: Lisa Bryla E-mail: Lisa.Bryla@WSPgroup.com
Phone #: 703-709-6500 Fax #:
Sampler(s) Name(s): Rob Wallace Phone #: 571-205-8058

Project Information

Project Name: Labella Due Diligence
Street: Aurora St
City: Ithaca NY
Project#: 4255/05
Client PO#:
Project Manager: Lisa Bryla

Billing Information (If different from Report to)

Company Name:
Street Address:
City State Zip:
Attention: PO#

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	VOCs	SVOCs	PCBs	LAB USE ONLY
-1	LBA-MW-28-(17-27.3)		9/3/13	1123	RW	S	2					X					X	X	X	
-2	LBA-MW-30 (3)		9/4/13	1047	RW	S	2					X					-HNA			
																				9C

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [x] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [x] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Labtink

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		9/4/13, 1625	1	2 FEDX	9-5-13 930	2
3	Relinquished by Sampler:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal # ☐ Intact ☐ Not intact	Preserved where applicable ☐	On Ice ☑ Cooler Temp. 2.2

MC24064: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC24064 **Client:** WSP **Immediate Client Services Action Required:** No

Date / Time Received: 9/5/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: CABELLA DUE DILLIGENCE **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	Infared gun	
3. Cooler media:	Ice (bag)	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☐	☑
2. Trip Blank listed on COC:	☐	☐	☑
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC24064: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC24064

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC24064-1 Collected: 03-SEP-13 11:23 By: BJW Received: 05-SEP-13 By: LBA-MW-28-(17-17.3)						
MC24064-1	SM21 2540 B MOD.	06-SEP-13	MC			%SOL
MC24064-1	SW846 8260B	09-SEP-13 15:45	KD			V8260TCL42+
MC24064-1	SW846 8270C	10-SEP-13 11:59	KR	07-SEP-13	AZ	AB8270TCL42+
MC24064-1	SW846 8082	10-SEP-13 15:13	NK	06-SEP-13	BJ	P8082PCB

Accutest Internal Chain of Custody

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 09/05/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC24064-1.1	Walk In Ref #9	Miranda Cardullo	09/06/13 09:05	Retrieve from Storage
MC24064-1.1	Miranda Cardullo	Walk In Ref #9	09/06/13 10:19	Return to Storage
MC24064-1.2	Walk In Ref #9	Nicole Estey	09/06/13 20:58	Retrieve from Storage
MC24064-1.2	Nicole Estey	Walk In Ref #9	09/06/13 22:43	Return to Storage
MC24064-1.2	Walk In Ref #9	Bijan Jafari	09/07/13 11:09	Retrieve from Storage
MC24064-1.2	Bijan Jafari	Walk In Ref #9	09/07/13 15:14	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2039-MB	M59050.D	1	09/09/13	KD	n/a	n/a	MSM2039

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24064-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.9	ug/kg	
71-43-2	Benzene	ND	0.50	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.36	ug/kg	
75-25-2	Bromoform	ND	2.0	0.29	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.97	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.2	ug/kg	
110-82-7	Cyclohexane	ND	5.0	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.52	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.0	0.92	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.28	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.8	ug/kg	
108-87-2	Methylcyclohexane	ND	5.0	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.8	ug/kg	

Method Blank Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2039-MB	M59050.D	1	09/09/13	KD	n/a	n/a	MSM2039

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24064-1

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	1.5	ug/kg	
100-42-5	Styrene	ND	5.0	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.44	ug/kg	
108-88-3	Toluene	ND	5.0	0.24	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.47	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.20	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	77%	70-130%
2037-26-5	Toluene-D8	84%	70-130%
460-00-4	4-Bromofluorobenzene	84%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2039-BS	M59047.D	1	09/09/13	KD	n/a	n/a	MSM2039

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24064-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	31.9	64* [a]	70-130
71-43-2	Benzene	50	51.4	103	70-130
75-27-4	Bromodichloromethane	50	55.1	110	70-130
75-25-2	Bromoform	50	71.4	143* [b]	70-130
74-83-9	Bromomethane	50	51.5	103	70-130
78-93-3	2-Butanone (MEK)	50	29.6	59* [a]	70-130
75-15-0	Carbon disulfide	50	53.6	107	70-130
56-23-5	Carbon tetrachloride	50	61.7	123	70-130
108-90-7	Chlorobenzene	50	58.4	117	70-130
75-00-3	Chloroethane	50	52.4	105	70-130
67-66-3	Chloroform	50	54.8	110	70-130
74-87-3	Chloromethane	50	49.3	99	70-130
110-82-7	Cyclohexane	50	52.1	104	70-130
96-12-8	1,2-Dibromo-3-chloropropane	50	46.2	92	70-130
124-48-1	Dibromochloromethane	50	63.6	127	70-130
106-93-4	1,2-Dibromoethane	50	57.5	115	70-130
95-50-1	1,2-Dichlorobenzene	50	51.5	103	70-130
541-73-1	1,3-Dichlorobenzene	50	50.9	102	70-130
106-46-7	1,4-Dichlorobenzene	50	50.9	102	70-130
75-71-8	Dichlorodifluoromethane	50	46.7	93	70-130
75-34-3	1,1-Dichloroethane	50	55.5	111	70-130
107-06-2	1,2-Dichloroethane	50	51.1	102	70-130
75-35-4	1,1-Dichloroethene	50	59.0	118	70-130
156-59-2	cis-1,2-Dichloroethene	50	51.7	103	70-130
156-60-5	trans-1,2-Dichloroethene	50	54.5	109	70-130
78-87-5	1,2-Dichloropropane	50	51.7	103	70-130
10061-01-5	cis-1,3-Dichloropropene	50	52.1	104	70-130
10061-02-6	trans-1,3-Dichloropropene	50	56.2	112	70-130
100-41-4	Ethylbenzene	50	55.9	112	70-130
76-13-1	Freon 113	50	60.2	120	70-130
591-78-6	2-Hexanone	50	34.0	68* [a]	70-130
98-82-8	Isopropylbenzene	50	47.8	96	70-130
79-20-9	Methyl Acetate	50	39.6	79	33-141
108-87-2	Methylcyclohexane	50	57.4	115	78-140
1634-04-4	Methyl Tert Butyl Ether	50	50.1	100	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	46.6	93	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2039-BS	M59047.D	1	09/09/13	KD	n/a	n/a	MSM2039

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24064-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
75-09-2	Methylene chloride	50	55.4	111	70-130
100-42-5	Styrene	50	57.2	114	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	43.8	88	70-130
127-18-4	Tetrachloroethene	50	67.6	135* [a]	70-130
108-88-3	Toluene	50	55.0	110	70-130
120-82-1	1,2,4-Trichlorobenzene	50	58.1	116	70-130
71-55-6	1,1,1-Trichloroethane	50	58.5	117	70-130
79-00-5	1,1,2-Trichloroethane	50	54.1	108	70-130
79-01-6	Trichloroethene	50	52.7	105	70-130
75-69-4	Trichlorofluoromethane	50	54.6	109	70-130
75-01-4	Vinyl chloride	50	35.5	71	70-130
1330-20-7	Xylene (total)	150	169	113	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	78%	70-130%
2037-26-5	Toluene-D8	84%	70-130%
460-00-4	4-Bromofluorobenzene	78%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.
(b) Outside control limits. Associated samples are non-detect for this compound.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC24064-1MS	M59063.D	1	09/09/13	KD	n/a	n/a	MSM2039
MC24064-1MSD	M59064.D	1	09/09/13	KD	n/a	n/a	MSM2039
MC24064-1	M59060.D	1	09/09/13	KD	n/a	n/a	MSM2039

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24064-1

CAS No.	Compound	MC24064-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	21.2		60.6	61.1	66* [a]	60.1	69* [a]	2	70-130/30
71-43-2	Benzene	ND		60.6	51.4	85	50.5	90	2	70-130/30
75-27-4	Bromodichloromethane	ND		60.6	58.2	96	55.4	99	5	70-130/30
75-25-2	Bromoform	ND		60.6	81.5	135* [a]	79.7	142* [a]	2	70-130/30
74-83-9	Bromomethane	ND		60.6	55.4	91	49.6	88	11	70-130/30
78-93-3	2-Butanone (MEK)	ND		60.6	54.0	89	50.6	90	7	70-130/30
75-15-0	Carbon disulfide	2.8	J	60.6	57.1	90	53.2	90	7	70-130/30
56-23-5	Carbon tetrachloride	ND		60.6	46.0	76	56.3	100	20	70-130/30
108-90-7	Chlorobenzene	ND		60.6	43.8	72	50.0	89	13	70-130/30
75-00-3	Chloroethane	ND		60.6	61.7	102	53.0	95	15	70-130/30
67-66-3	Chloroform	ND		60.6	57.7	95	54.4	97	6	70-130/30
74-87-3	Chloromethane	ND		60.6	59.6	98	53.6	96	11	70-130/30
110-82-7	Cyclohexane	ND		60.6	21.3	35* [a]	40.4	72	62* [b]	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		60.6	57.3	95	60.4	108	5	70-130/30
124-48-1	Dibromochloromethane	ND		60.6	69.5	115	65.4	117	6	70-130/30
106-93-4	1,2-Dibromoethane	ND		60.6	70.6	117	66.1	118	7	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		60.6	25.1	41* [a]	36.5	65* [a]	37* [b]	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		60.6	22.5	37* [a]	35.4	63* [a]	45* [b]	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		60.6	23.2	38* [a]	35.6	63* [a]	42* [b]	70-130/30
75-71-8	Dichlorodifluoromethane	ND		60.6	50.5	83	45.8	82	10	70-130/30
75-34-3	1,1-Dichloroethane	ND		60.6	59.6	98	55.9	100	6	70-130/30
107-06-2	1,2-Dichloroethane	ND		60.6	59.8	99	55.1	98	8	70-130/30
75-35-4	1,1-Dichloroethene	ND		60.6	56.5	93	55.8	100	1	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		60.6	55.4	91	51.9	93	7	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		60.6	55.5	92	54.2	97	2	70-130/30
78-87-5	1,2-Dichloropropane	ND		60.6	53.7	89	50.9	91	5	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		60.6	53.4	88	50.1	89	6	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		60.6	60.8	100	56.0	100	8	70-130/30
100-41-4	Ethylbenzene	ND		60.6	31.4	52* [a]	44.9	80	35* [b]	70-130/30
76-13-1	Freon 113	ND		60.6	35.5	59* [a]	50.8	91	35* [b]	70-130/30
591-78-6	2-Hexanone	ND		60.6	65.1	107	58.3	104	11	70-130/30
98-82-8	Isopropylbenzene	ND		60.6	19.3	32* [a]	34.7	62* [a]	57* [b]	70-130/30
79-20-9	Methyl Acetate	ND		60.6	48.7	80	41.0	73	17	30-160/30
108-87-2	Methylcyclohexane	ND		60.6	14.2	23* [a]	41.5	74	98* [b]	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		60.6	63.4	105	57.2	102	10	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		60.6	80.5	133* [a]	73.3	131* [a]	9	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC24064-1MS	M59063.D	1	09/09/13	KD	n/a	n/a	MSM2039
MC24064-1MSD	M59064.D	1	09/09/13	KD	n/a	n/a	MSM2039
MC24064-1	M59060.D	1	09/09/13	KD	n/a	n/a	MSM2039

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24064-1

CAS No.	Compound	MC24064-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	2.6	J	60.6	56.6	89	53.1	90	6	70-130/30
100-42-5	Styrene	ND		60.6	33.2	55* [a]	44.4	79	29	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		60.6	56.5	93	52.3	93	8	70-130/30
127-18-4	Tetrachloroethene	ND		60.6	37.1	61* [a]	55.3	99	39* [b]	70-130/30
108-88-3	Toluene	0.60	J	60.6	43.8	71	50.0	88	13	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		60.6	13.4	22* [a]	35.7	64* [a]	91* [b]	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		60.6	51.6	85	54.7	98	6	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		60.6	63.3	104	60.3	108	5	70-130/30
79-01-6	Trichloroethene	ND		60.6	46.2	76	49.0	87	6	70-130/30
75-69-4	Trichlorofluoromethane	ND		60.6	48.7	80	51.3	91	5	70-130/30
75-01-4	Vinyl chloride	ND		60.6	41.1	68* [a]	38.2	68* [a]	7	70-130/30
1330-20-7	Xylene (total)	ND		182	91.2	50* [a]	132	78	37* [b]	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC24064-1	Limits
1868-53-7	Dibromofluoromethane	77%	79%	79%	70-130%
2037-26-5	Toluene-D8	83%	85%	83%	70-130%
460-00-4	4-Bromofluorobenzene	86%	81%	86%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(b) High RPD due to possible matrix interference and/or sample non-homogeneity.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSM2022-BFB
Lab File ID: M58633.D
Instrument ID: GCMSM
Injection Date: 08/21/13
Injection Time: 12:54

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	26707	23.5		Pass
75	30.0 - 60.0% of mass 95	58531	51.4		Pass
95	Base peak, 100% relative abundance	113843	100.0		Pass
96	5.0 - 9.0% of mass 95	7658	6.73		Pass
173	Less than 2.0% of mass 174	1127	0.99	(1.14) [a]	Pass
174	50.0 - 150.0% of mass 95	98749	86.7		Pass
175	5.0 - 9.0% of mass 174	7472	6.56	(7.57) [a]	Pass
176	95.0 - 101.0% of mass 174	95533	83.9	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	6321	5.55	(6.62) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM2022-IC2022	M58636.D	08/21/13	14:37	01:43	Initial cal 0.5
MSM2022-IC2022	M58637.D	08/21/13	15:07	02:13	Initial cal 2
MSM2022-IC2022	M58638.D	08/21/13	15:36	02:42	Initial cal 5
MSM2022-IC2022	M58639.D	08/21/13	16:05	03:11	Initial cal 10
MSM2022-IC2022	M58640.D	08/21/13	16:35	03:41	Initial cal 20
MSM2022-ICC2022	M58641.D	08/21/13	17:08	04:14	Initial cal 50
MSM2022-IC2022	M58642.D	08/21/13	17:37	04:43	Initial cal 100
MSM2022-IC2022	M58643.D	08/21/13	18:07	05:13	Initial cal 200
MSM2022-IC2022	M58644.D	08/21/13	18:36	05:42	Initial cal 400
MSM2022-ICV2022	M58647.D	08/21/13	20:04	07:10	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSM2039-BFB
Lab File ID: M59046.D
Instrument ID: GCMSM
Injection Date: 09/09/13
Injection Time: 08:51

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11514	16.5		Pass
75	30.0 - 60.0% of mass 95	29809	42.8		Pass
95	Base peak, 100% relative abundance	69638	100.0		Pass
96	5.0 - 9.0% of mass 95	4409	6.33		Pass
173	Less than 2.0% of mass 174	968	1.39	(1.22) [a]	Pass
174	50.0 - 150.0% of mass 95	79162	113.7		Pass
175	5.0 - 9.0% of mass 174	5560	7.98	(7.02) [a]	Pass
176	95.0 - 101.0% of mass 174	77056	110.7	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	4307	6.18	(5.59) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM2039-CC2022	M59046.D	09/09/13	08:51	00:00	Continuing cal 50
MSM2039-BS	M59047.D	09/09/13	09:21	00:30	Blank Spike
MSM2039-MB	M59050.D	09/09/13	10:50	01:59	Method Blank
ZZZZZZ	M59051.D	09/09/13	11:19	02:28	(unrelated sample)
ZZZZZZ	M59052.D	09/09/13	11:49	02:58	(unrelated sample)
ZZZZZZ	M59053.D	09/09/13	12:19	03:28	(unrelated sample)
ZZZZZZ	M59054.D	09/09/13	12:48	03:57	(unrelated sample)
ZZZZZZ	M59055.D	09/09/13	13:18	04:27	(unrelated sample)
ZZZZZZ	M59056.D	09/09/13	13:48	04:57	(unrelated sample)
ZZZZZZ	M59057.D	09/09/13	14:18	05:27	(unrelated sample)
ZZZZZZ	M59058.D	09/09/13	14:47	05:56	(unrelated sample)
ZZZZZZ	M59059.D	09/09/13	15:16	06:25	(unrelated sample)
MC24064-1	M59060.D	09/09/13	15:45	06:54	LBA-MW-28-(17-17.3)
ZZZZZZ	M59061.D	09/09/13	16:15	07:24	(unrelated sample)
ZZZZZZ	M59062.D	09/09/13	16:44	07:53	(unrelated sample)
MC24064-1MS	M59063.D	09/09/13	17:13	08:22	Matrix Spike
MC24064-1MSD	M59064.D	09/09/13	17:43	08:52	Matrix Spike Duplicate
ZZZZZZ	M59065.D	09/09/13	18:12	09:21	(unrelated sample)
ZZZZZZ	M59066.D	09/09/13	18:42	09:51	(unrelated sample)
ZZZZZZ	M59067.D	09/09/13	19:11	10:20	(unrelated sample)
ZZZZZZ	M59068.D	09/09/13	19:40	10:49	(unrelated sample)
ZZZZZZ	M59069.D	09/09/13	20:10	11:19	(unrelated sample)
ZZZZZZ	M59070.D	09/09/13	20:39	11:48	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	MSM2039-CC2022	**Injection Date:**	09/09/13
Lab File ID:	M59046.D	**Injection Time:**	08:51
Instrument ID:	GCMSM	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	396695	9.35	668568	10.23	314658	13.51	394718	16.07	151692	6.84
Upper Limit [a]	793390	9.85	1337136	10.73	629316	14.01	789436	16.57	303384	7.34
Lower Limit [b]	198348	8.85	334284	9.73	157329	13.01	197359	15.57	75846	6.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSM2039-BS	415801	9.35	694969	10.23	323691	13.51	392033	16.07	160226	6.84
MSM2039-MB	406482	9.35	669600	10.23	288136	13.51	342292	16.07	158206	6.84
ZZZZZZ	397428	9.35	646479	10.23	280744	13.51	341103	16.07	273302	6.84
ZZZZZZ	373032	9.36	631201	10.23	263443	13.50	272142	16.07	324706[c]	6.85
ZZZZZZ	381520	9.36	628562	10.23	276951	13.51	322272	16.07	332966[c]	6.84
ZZZZZZ	371050	9.36	619313	10.23	273317	13.51	302052	16.07	344806[c]	6.85
ZZZZZZ	404677	9.36	665097	10.23	291775	13.50	335253	16.07	314446[c]	6.84
ZZZZZZ	392713	9.36	647374	10.23	285145	13.51	336440	16.07	302810	6.84
ZZZZZZ	403479	9.36	660207	10.23	286858	13.51	335378	16.07	274371	6.84
ZZZZZZ	391964	9.36	648129	10.23	286947	13.51	343221	16.07	305208[c]	6.84
ZZZZZZ	396702	9.36	652777	10.23	285649	13.51	341264	16.07	281119	6.84
MC24064-1	396149	9.35	653259	10.23	285633	13.50	340127	16.07	303152	6.84
ZZZZZZ	405782	9.35	658042	10.23	294134	13.51	364161	16.07	307841[c]	6.84
ZZZZZZ	425917	9.36	698097	10.23	308279	13.51	390638	16.07	363415[c]	6.84
MC24064-1MS	477020	9.36	778444	10.23	350739	13.51	397879	16.07	371133[c]	6.85
MC24064-1MSD	472479	9.35	769630	10.23	355283	13.50	425569	16.07	363960[c]	6.84
ZZZZZZ	416194	9.35	679284	10.23	302296	13.51	353552	16.07	378722[c]	6.84
ZZZZZZ	410070	9.36	691705	10.23	290928	13.51	299874	16.07	394201[c]	6.84
ZZZZZZ	419972	9.36	694878	10.24	302812	13.51	355628	16.07	403928[c]	6.84
ZZZZZZ	407610	9.35	663379	10.23	286609	13.51	326793	16.07	359057[c]	6.84
ZZZZZZ	417196	9.35	676129	10.23	298086	13.51	367340	16.07	349236[c]	6.84
ZZZZZZ	387110	9.35	634570	10.23	278000	13.51	326780	16.07	361722[c]	6.84

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits. Target analytes not associated with this internal standard.

Volatile Surrogate Recovery Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC24064-1	M59060.D	79.0	83.0	86.0
MC24064-1MS	M59063.D	77.0	83.0	86.0
MC24064-1MSD	M59064.D	79.0	85.0	81.0
MSM2039-BS	M59047.D	78.0	84.0	78.0
MSM2039-MB	M59050.D	77.0	84.0	84.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC24064 **Sample:** MSM2022-ICC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58641.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report GCMS M

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Calibration Files
.5 =m58636.D 20 =m58640.D 2 =m58637.D 5 =m58638.D
10 =m58639.D 50 =m58641.D 100 =m58642.D 200 =m58643.D
400 =m58644.D =

Compound	.5	20	2	5	10	50	100	200	400	Avg	%RSD
1) I tert butyl alcohol-d9 ----------ISTD----------											
2) tertiary butyl alcohol	1.304	1.486	1.331	1.263	1.512	1.291	1.255	1.293		1.342	7.45
3) Ethanol	0.130	0.060	0.056	0.124	0.151	0.130	0.132	0.134		0.115	31.17
---- Linear regression ---- Coefficient = 0.9995											
Response Ratio = -0.01835 + 0.13427 *A											
4) I pentafluorobenzene ----------ISTD----------											
5) dichlorodifluoromethane	0.759	0.761	0.638	0.787	0.803	0.643	0.668	0.582		0.705	11.62
6) chloromethane	1.167	1.243	1.083	1.202	1.179	1.033	0.993	0.857		1.095	11.79
7) vinyl chloride	1.432	1.362	1.286	1.384	1.318	1.213	1.158	1.049		1.275	10.04
8) bromomethane	0.655	0.664	0.586	0.644	0.567	0.531	0.519	0.502		0.583	11.07
9) chloroethane	0.439	0.351	0.429	0.483	0.428	0.411	0.383	0.355		0.410	10.95
10) ethyl ether	0.511	0.438	0.445	0.493	0.526	0.479	0.478	0.474		0.481	6.20
11) acetonitrile	0.158	0.219	0.142	0.094	0.155	0.130	0.152	0.165		0.152	23.08
---- Linear regression ---- Coefficient = 0.9964											
Response Ratio = -0.01626 + 0.16379 *A											
12) trichlorofluoromethane	1.102	0.846	1.132	1.026	1.141	1.033	1.003	0.932		1.027	9.89
13) freon-113	0.571	0.454	0.505	0.550	0.607	0.564	0.529	0.482		0.533	9.47
14) acrolein	0.032		0.029	0.030	0.045	0.034	0.036	0.038		0.035	15.64
---- Linear regression ---- Coefficient = 0.9976											
Response Ratio = -0.00857 + 0.03797 *A											
15) 1,1-dichloroethene	0.620	0.564	0.565	0.597	0.615	0.593	0.576	0.554		0.585	4.18
16) acetone	0.106		0.117	0.135	0.110	0.098	0.097			0.110	12.72
17) Methyl Acetate	0.783	0.882	0.615	0.640	0.954	0.859	0.864	0.859		0.807	14.89
18) methylene chloride	0.732	0.781	0.715	0.784	0.701	0.650	0.632	0.581		0.697	10.27

Initial Calibration Summary

Job Number: MC24064 **Sample:** MSM2022-ICC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58641.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
19)  methyl tert butyl ether
                1.468 1.386 1.478 1.539 1.675 1.512 1.462 1.435   1.494    5.77
20)  acrylonitrile
                0.246       0.227 0.220 0.285 0.246 0.247 0.251   0.246    8.42
21)  allyl chloride
                1.157 1.154 1.169 1.223 1.195 1.144 1.143 1.076   1.158    3.71
22)  trans-1,2-dichloroethene
                0.629 0.678 0.723 0.693 0.701 0.657 0.670 0.653   0.676    4.45
23)  iodomethane
                1.103 0.972 1.017 1.149 1.192 1.133 1.139 1.156   1.108    6.77
24)  carbon disulfide
                2.015 1.833 1.766 2.106 2.147 2.020 2.003 1.844   1.967    6.96
25)  propionitrile
                0.073       0.073 0.066 0.092 0.092 0.090 0.090   0.082   13.75
26)  vinyl acetate
                1.334       1.066 1.257 1.646 1.483 1.521 1.516   1.403   14.02
27)  chloroprene
                1.037 0.920 0.927 1.010 1.092 1.062 1.077 1.028   1.019    6.34
28)  di-isopropyl ether
                2.416 2.267 2.297 2.377 2.644 2.517 2.561 2.469   2.444    5.31
29)  methacrylonitrile
                0.380 0.513 0.339 0.389 0.456 0.398 0.413 0.410   0.412   12.65
30)  2-butanone
                0.094       0.069 0.115 0.126 0.111 0.113 0.104   0.105   17.67
             ---- Linear regression ----  Coefficient =  0.9979
               Response Ratio = 0.00712 + 0.10523 *A

31)  1,1-dichloroethane
                1.107 1.003 1.085 1.130 1.170 1.095 1.091 1.046   1.091    4.62
32)  tert-butyl ethyl ether
                1.788 1.508 1.730 1.813 2.037 1.885 1.886 1.840   1.811    8.40
33)  isobutyl alcohol
                0.101 0.086 0.105 0.094 0.094 0.086 0.083 0.081   0.091    9.43
34)  2,2-dichloropropane
                0.724 0.711 0.723 0.791 0.798 0.757 0.712 0.653   0.733    6.46
35)  cis-1,2-dichloroethene
                0.755 0.693 0.764 0.754 0.793 0.750 0.793 0.785   0.761    4.29
36)  ethyl acetate
                0.504 0.429 0.525 0.475 0.489 0.437 0.417 0.410   0.461    9.36
37)  bromochloromethane
                0.334 0.310 0.325 0.333 0.360 0.336 0.354 0.372   0.340    5.96
38)  chloroform
                1.124 1.044 1.043 1.118 1.215 1.152 1.184 1.177   1.132    5.61
39)  dibromofluoromethane (s)
                0.623 0.600 0.615 0.614 0.686 0.645 0.637 0.701   0.640    5.63
40)  Tetrahydrofuran
                0.243       0.292 0.236 0.247 0.229 0.216 0.210   0.239   11.30
41)  1,1,1-trichloroethane
                0.918 0.877 0.914 0.953 0.988 0.953 0.915 0.851   0.921    4.75

42) I   1,4-difluorobenzene   ----------------ISTD---------------------
43)  Cyclohexane
                0.591 0.611 0.619 0.624 0.674 0.648 0.618 0.550   0.617    5.93
44)  carbon tetrachloride
                0.497 0.464 0.501 0.510 0.532 0.532 0.534 0.516   0.511    4.68
45)  1,1-dichloropropene
                0.513 0.472 0.504 0.514 0.536 0.527 0.532 0.505   0.513    3.98
46)  benzene
              2.112 1.519 1.419 1.479 1.527 1.629 1.589 1.637 1.546   1.606   12.58
47)  1,2-dichloroethane
```

Initial Calibration Summary

Job Number: MC24064 **Sample:** MSM2022-ICC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58641.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                0.518 0.473 0.501 0.505 0.563 0.512 0.507 0.476   0.507    5.53
48)  tert-amyl methyl ether
                0.879 0.846 0.827 0.846 0.956 0.880 0.869 0.830   0.867    4.80
49)  heptane
                0.664 0.660 0.662 0.690 0.739 0.690 0.685 0.656   0.681    4.06
50)  trichloroethene
           0.519 0.399 0.384 0.384 0.414 0.434 0.417 0.438 0.438   0.425    9.60
51)  1,2-dichloropropane
                0.412 0.378 0.396 0.422 0.445 0.420 0.435 0.426   0.417    5.13
52)  dibromomethane
                0.229 0.208 0.220 0.222 0.249 0.229 0.234 0.237   0.229    5.38
53)  bromodichloromethane
                0.531 0.459 0.499 0.522 0.578 0.544 0.551 0.537   0.528    6.83
54)  Methylcyclohexane
                0.625 0.545 0.610 0.652 0.719 0.707 0.693 0.647   0.650    8.83
55)  2-chloroethyl vinyl ether
                0.172 0.141 0.147 0.163 0.182 0.170 0.179 0.180   0.166    9.25
56)  methyl methacrylate
                0.225 0.171 0.206 0.215 0.266 0.244 0.253 0.253   0.229   13.69
57)  1,4-dioxane
                0.004       0.002 0.003 0.004 0.004 0.004 0.003   0.003   26.34
              ---- Linear regression ----  Coefficient =  0.9995
                Response Ratio = 0.00032 + 0.00346 *A

58)  cis-1,3-dichloropropene
                0.626 0.558 0.583 0.604 0.681 0.648 0.679 0.671   0.631    7.37
59)  toluene-d8 (s)
                1.256 1.188 1.179 1.245 1.412 1.365 1.415 1.493   1.319    8.89
60)  4-methyl-2-pentanone
                0.416 0.447 0.486 0.460 0.501 0.448 0.441 0.429   0.453    6.23
61)  toluene
                0.917 0.830 0.870 0.921 1.032 1.054 1.156 1.125   0.988   12.20
62)  trans-1,3-dichloropropene
                0.514 0.436 0.491 0.504 0.567 0.538 0.568 0.559   0.522    8.73
63)  1,1,2-trichloroethane
                0.278 0.252 0.265 0.271 0.308 0.282 0.292 0.292   0.280    6.22
64)  ethyl methacrylate
                0.440       0.390 0.411 0.527 0.516 0.549 0.550   0.483   14.05

65) I   chlorobenzene-d5      ----------------ISTD---------------------
66)  tetrachloroethene
           1.061 0.816 0.747 0.757 0.798 0.848 0.771 0.732 0.655   0.798   14.14
67)  1,3-dichloropropane
                1.257 1.159 1.142 1.167 1.312 1.204 1.144 0.919   1.163    9.91
68)  dibromochloromethane
                0.917 0.815 0.889 0.898 1.006 0.890 0.858 0.772   0.881    7.94
69)  1,2-dibromoethane
                0.798 0.727 0.778 0.765 0.862 0.741 0.712 0.598   0.748   10.25
70)  2-hexanone
                0.872 0.926 1.046 0.990 1.040 0.836 0.738         0.921   12.33
71)  chlorobenzene
                2.536 2.338 2.470 2.572 2.712 2.509 2.450 2.095   2.460    7.41
72)  1,1,1,2-tetrachloroethane
                0.883 0.853 0.828 0.877 0.938 0.863 0.845 0.749   0.854    6.32
73)  ethylbenzene
                4.057 3.730 3.908 4.118 4.436 4.233 4.059 3.301   3.980    8.66
74)  m,p-xylene
                1.658 1.520 1.544 1.631 1.842 1.829 1.825 1.524   1.672    8.47
75)  o-xylene
                1.637 1.473 1.519 1.621 1.835 1.875 1.854 1.506   1.665   10.03
```

Initial Calibration Summary

Job Number: MC24064 **Sample:** MSM2022-ICC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58641.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
 76)  styrene
                2.569 2.290 2.337 2.553 2.766 2.702 2.697 2.222   2.517    8.28
 77)  bromoform
                0.528 0.458 0.492 0.512 0.584 0.541 0.523 0.484   0.515    7.46
 78)  trans-1,4-dichloro-2-butene
                0.304 0.325 0.307 0.306 0.362 0.320 0.295 0.240   0.307   11.11

 79) I   1,4-dichlorobenzene-d ----------------ISTD--------------------
 80)  isopropylbenzene
                4.290 3.830 3.996 4.262 4.805 4.361 4.271 4.045   4.233    6.93
 81)  bromofluorobenzene (s)
                0.995 0.880 0.982 0.961 1.089 0.982 0.928 0.951   0.971    6.21
 82)  bromobenzene
                1.009 0.885 1.012 1.001 1.108 0.957 0.986 1.031   0.999    6.34
 83)  1,1,2,2-tetrachloroethane
                1.055 0.968 1.023 1.029 1.227 1.073 1.002 0.975   1.044    7.89
 84)  1,2,3-trichloropropane
                1.087 0.956 1.055 1.037 1.257 1.054 0.994 0.969   1.051    9.02
 85)  n-propylbenzene
                5.051 4.487 4.765 5.082 5.624 5.062 4.844 4.298   4.902    8.31
 86)  2-chlorotoluene
                2.891 2.644 2.820 2.916 3.265 2.912 2.837 2.752   2.880    6.27
 87)  4-chlorotoluene
                2.953 2.648 2.713 2.889 3.192 2.973 2.861 2.720   2.869    6.16
 88)  1,3,5-trimethylbenzene
                3.587 3.037 3.210 3.484 4.148 3.855 3.735 3.598   3.582    9.80
 89)  tert-butylbenzene
                1.985 1.762 1.845 1.940 2.270 2.086 2.030 2.009   1.991    7.72
 90)  1,2,4-trimethylbenzene
                3.483 2.966 3.215 3.382 4.048 3.772 3.704 3.589   3.520    9.61
 91)  sec-butylbenzene
                4.909 4.081 4.557 4.676 5.663 5.292 5.104 4.467   4.844   10.40
 92)  1,3-dichlorobenzene
                2.049 1.875 1.988 2.057 2.305 2.132 2.179 2.200   2.098    6.42
 93)  p-isopropyltoluene
                3.727 3.225 3.313 3.578 4.603 4.321 4.217 4.027   3.876   12.77
 94)  1,4-dichlorobenzene
                2.110 1.884 1.979 2.084 2.521 2.370 2.360 2.412   2.215   10.39
 95)  1,2-dichlorobenzene
                2.040 1.749 1.886 1.946 2.240 2.028 2.001 2.428   2.040   10.31
 96)  n-butylbenzene
                3.839 3.244 3.569 3.796 4.502 4.051 3.707 3.550   3.782    9.94
 97)  1,2-dibromo-3-chloropropane
                0.204 0.228 0.275 0.227 0.217 0.183 0.163 0.167   0.208   17.95
             ---- Linear regression ----  Coefficient =  0.9983
               Response Ratio = 0.01873 + 0.16396 *A

 98)  1,3,5-trichlorobenzene
                1.374 1.171 1.348 1.368 1.510 1.296 1.221 1.390   1.335    7.89
 99)  1,2,4-trichlorobenzene
                1.272 1.147 1.241 1.283 1.415 1.189 1.127 1.271   1.243    7.34
100)  hexachlorobutadiene
                0.645 0.597 0.620 0.633 0.726 0.639 0.626 0.725   0.651    7.38
101)  naphthalene
                3.324 2.790 3.080 3.129 3.767 3.309 3.447 3.854   3.337   10.58
102)  1,2,3-trichlorobenzene
                1.215 1.101 1.171 1.210 1.346 1.158 1.118 1.253   1.196    6.60
103)  2-methylnaphthalene
                1.813 1.540 1.751 1.660 1.987 1.631 1.620 1.768   1.721    8.13
104)  1-methylnaphthalene
```

Initial Calibration Summary

Job Number: MC24064 **Sample:** MSM2022-ICC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58641.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                0.641 2.528 0.700 0.751 0.621 0.515 0.495 0.515   0.846 E1   81.11
            ---- Linear regression ----  Coefficient =  0.9988
              Response Ratio = 0.25159 + 5.03552 *A

--------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M130821S.M        Thu Aug 22 09:43:29 2013
```

Initial Calibration Verification

Job Number: MC24064 **Sample:** MSM2022-ICV2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58647.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M130821.S\m58647.D Vial: 23
Acq On : 21 Aug 2013 8:04 pm Operator: krystend
Sample : ICV2022-50 Inst : GCMS M
Misc : MS29707,MSM2022,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 22 08:41:20 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	128	-0.01	6.84
2	M	tertiary butyl alcohol	1.342	1.849	-37.8#	156	0.00	6.93
			Amount	Calc.	%Drift			
3		Ethanol	5000.000	4133.977	17.3	92	-0.01	5.64
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	109	0.00	9.35
5	M	dichlorodifluoromethane	0.705	0.871	-23.5#	118	0.00	4.42
6	P	chloromethane	1.095	1.375	-25.6#	127	-0.01	4.69
7	c	vinyl chloride	1.275	1.084	15.0	90	0.00	4.96
8	M	bromomethane	0.583	0.628	-7.7	121	0.00	5.50
9	M	chloroethane	0.410	0.461	-12.4	118	0.00	5.67
10	M	ethyl ether	0.481	0.519	-7.9	108	0.00	6.57
			Amount	Calc.	%Drift			
11	M	acetonitrile	50.000	47.491	5.0	98	0.00	6.57
			AvgRF	CCRF	%Dev			
12	M	trichlorofluoromethane	1.027	1.026	0.1	98	-0.01	6.33
13	M	freon-113	0.533	0.651	-22.1#	117	0.00	7.15
			Amount	Calc.	%Drift			
14	M	acrolein	250.000	440.816	-76.3#	159	0.00	6.32
			AvgRF	CCRF	%Dev			
15	c	1,1-dichloroethene	0.585	0.672	-14.9	119	0.00	6.94
16	M	acetone	0.110	0.103	6.4	84	0.00	6.47
17	M	Methyl Acetate	0.807	0.702	13.0	80	0.00	7.13
18	M	methylene chloride	0.697	0.706	-1.3	110	0.00	7.10
19	M	methyl tert butyl ether	1.494	1.625	-8.8	106	0.00	7.91
20	M	acrylonitrile	0.246	0.264	-7.3	101	0.00	7.00
21	M	allyl chloride	1.158	1.220	-5.4	112	0.00	7.19
22	M	trans-1,2-dichloroethene	0.676	0.705	-4.3	110	0.00	7.81
23	M	iodomethane	1.108	1.240	-11.9	114	0.00	7.01
24	M	carbon disulfide	1.967	2.242	-14.0	114	0.00	7.39
25	M	propionitrile	0.082	0.090	-9.8	106	0.00	8.16
26	M	vinyl acetate	1.403	1.095	22.0#	73	0.00	8.17
27	M	chloroprene	1.019	1.164	-14.2	116	0.00	8.45
28	M	di-isopropyl ether	2.444	2.501	-2.3	103	0.00	8.48
29	M	methacrylonitrile	0.412	0.409	0.7	98	0.00	8.60

Initial Calibration Verification

Job Number: MC24064 **Sample:** MSM2022-ICV2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58647.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
30	M	2-butanone	50.000	44.703	10.6	87	0.00	8.49
			AvgRF	CCRF	%Dev			
31	P	1,1-dichloroethane	1.091	1.279	-17.2	119	0.00	8.07
32	M	tert-butyl ethyl ether	1.811	2.005	-10.7	108	0.00	8.88
33	M	isobutyl alcohol	0.091	0.102	-12.1	118	0.00	8.88
34	M	2,2-dichloropropane	0.733	0.855	-16.6	117	0.00	8.95
35	M	cis-1,2-dichloroethene	0.761	0.761	0.0	105	0.00	8.65
36	M	ethyl acetate	0.461	0.485	-5.2	108	0.00	8.88
37	M	bromochloromethane	0.340	0.387	-13.8	118	0.00	8.82
38	c	chloroform	1.132	1.262	-11.5	113	0.00	8.86
39	S	dibromofluoromethane (s)	0.640	0.563	12.0	90	0.00	8.98
40	M	Tetrahydrofuran	0.239	0.240	-0.4	106	0.00	9.19
41	M	1,1,1-trichloroethane	0.921	1.077	-16.9	119	0.00	9.63
42	I	1,4-difluorobenzene	1.000	1.000	0.0	108	0.00	10.23
43	M	Cyclohexane	0.617	0.658	-6.6	105	0.00	9.91
44	M	carbon tetrachloride	0.511	0.593	-16.0	120	0.00	10.00
45	M	1,1-dichloropropene	0.513	0.545	-6.2	110	0.00	9.81
46	M	benzene	1.606	1.628	-1.4	108	0.00	10.03
47	M	1,2-dichloroethane	0.507	0.535	-5.5	102	0.00	9.52
48	M	tert-amyl methyl ether	0.867	0.948	-9.3	107	0.00	10.15
49	M	heptane	0.681	0.686	-0.7	100	0.00	10.51
50	M	trichloroethene	0.425	0.423	0.5	105	0.00	10.66
51	c	1,2-dichloropropane	0.417	0.427	-2.4	103	0.00	10.62
52	M	dibromomethane	0.229	0.269	-17.5	117	0.00	10.60
53	M	bromodichloromethane	0.528	0.565	-7.0	105	0.00	10.71
54	M	Methylcyclohexane	0.650	0.711	-9.4	107	0.00	11.18
55	M	2-chloroethyl vinyl ether	0.166	0.152	8.4	90	0.00	11.09
56	M	methyl methacrylate	0.229	0.253	-10.5	103	0.00	10.80
			Amount	Calc.	%Drift			
57	M	1,4-dioxane	250.000	270.065	-8.0	106	0.00	10.81
			AvgRF	CCRF	%Dev			
58	M	cis-1,3-dichloropropene	0.631	0.630	0.2	100	0.00	11.34
59	S	toluene-d8 (s)	1.319	1.143	13.3	87	0.00	12.04
60	M	4-methyl-2-pentanone	0.453	0.460	-1.5	99	0.00	11.42
61	c	toluene	0.988	1.028	-4.0	107	0.00	12.12
62	M	trans-1,3-dichloropropene	0.522	0.564	-8.0	107	0.00	11.75
63	M	1,1,2-trichloroethane	0.280	0.295	-5.4	104	0.00	11.93
64	M	ethyl methacrylate	0.483	0.494	-2.3	101	0.00	12.12
65	I	chlorobenzene-d5	1.000	1.000	0.0	108	0.00	13.51
66	M	tetrachloroethene	0.798	0.907	-13.7	116	0.00	12.86
67	M	1,3-dichloropropane	1.163	1.256	-8.0	104	0.00	12.16
68	M	dibromochloromethane	0.881	0.991	-12.5	107	0.00	12.46
69	M	1,2-dibromoethane	0.748	0.834	-11.5	105	0.00	12.72
70	M	2-hexanone	0.921	0.814	11.6	85	0.00	12.29
71	P	chlorobenzene	2.460	2.559	-4.0	102	0.00	13.55
72	M	1,1,1,2-tetrachloroethane	0.854	0.929	-8.8	107	0.00	13.46
73	c	ethylbenzene	3.980	4.349	-9.3	106	0.00	13.71
74	M	m,p-xylene	1.672	1.773	-6.0	104	0.00	13.90
75	M	o-xylene	1.665	1.751	-5.2	103	0.00	14.31
76	M	styrene	2.517	2.651	-5.3	104	0.00	14.24
77	P	bromoform	0.515	0.629	-22.1#	117	0.00	14.07
78	M	trans-1,4-dichloro-2-bute	0.307	0.335	-9.1	100	0.00	14.46

Initial Calibration Verification

Job Number: MC24064 **Sample:** MSM2022-ICV2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M58647.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	113	0.00	16.08
80	M	isopropylbenzene	4.233	4.293	-1.4	101	0.00	14.68
81	S	bromofluorobenzene (s)	0.971	0.836	13.9	86	0.00	14.74
82	M	bromobenzene	0.999	1.035	-3.6	105	0.00	14.97
83	P	1,1,2,2-tetrachloroethane	1.044	1.124	-7.7	103	0.00	14.32
84	M	1,2,3-trichloropropane	1.051	1.154	-9.8	103	0.00	14.47
85	M	n-propylbenzene	4.902	4.891	0.2	98	0.00	15.12
86	M	2-chlorotoluene	2.880	2.848	1.1	98	0.00	15.24
87	M	4-chlorotoluene	2.869	2.854	0.5	101	0.00	15.32
88	M	1,3,5-trimethylbenzene	3.582	3.633	-1.4	99	0.00	15.40
89	M	tert-butylbenzene	1.991	2.008	-0.9	100	0.00	15.71
90	M	1,2,4-trimethylbenzene	3.520	3.559	-1.1	99	0.00	15.81
91	M	sec-butylbenzene	4.844	4.890	-0.9	97	0.00	15.93
92	M	1,3-dichlorobenzene	2.098	1.999	4.7	98	0.00	16.04
93	M	p-isopropyltoluene	3.876	4.224	-9.0	103	0.00	16.10
94	M	1,4-dichlorobenzene	2.215	2.280	-2.9	102	0.00	16.10
95	M	1,2-dichlorobenzene	2.040	1.951	4.4	98	0.00	16.47
96	M	n-butylbenzene	3.782	3.877	-2.5	97	0.00	16.52
			Amount	Calc.	%Drift			
97	M	1,2-dibromo-3-chloropropa	50.000	57.879	-15.8	108	0.00	16.95
			AvgRF	CCRF	%Dev			
98		1,3,5-trichlorobenzene	1.335	1.165	12.7	87	0.00	17.76
99	M	1,2,4-trichlorobenzene	1.243	1.211	2.6	96	0.00	18.30
100	M	hexachlorobutadiene	0.651	0.630	3.2	98	0.00	18.60
101	M	naphthalene	3.337	3.380	-1.3	101	0.00	18.58
102	M	1,2,3-trichlorobenzene	1.196	1.162	2.8	97	0.00	18.79
103		2-methylnaphthalene	1.721	1.698	1.3	96	0.00	19.98
			Amount	Calc.	%Drift			
104		1-methylnaphthalene	25.000	24.374	2.5	98	0.00	20.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m58641.D M130821S.M Thu Aug 22 09:43:22 2013

Continuing Calibration Summary

Job Number: MC24064 **Sample:** MSM2039-CC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59046.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M130909.S\m59046.D Vial: 2
Acq On : 9 Sep 2013 8:51 am Operator: krystend
Sample : cc2022-50 Inst : GCMS M
Misc : MS29833,MSM2039,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Aug 22 08:41:20 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	114	0.00	6.84
2	M	tertiary butyl alcohol	1.342	1.305	2.8	98	0.00	6.94
			Amount	Calc.	%Drift			
3		Ethanol	5000.000	4557.307	8.9	91	-0.01	5.64
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	124	0.00	9.35
5	M	dichlorodifluoromethane	0.705	0.738	-4.7	114	0.00	4.43
6	P	chloromethane	1.095	1.049	4.2	111	0.00	4.69
7	c	vinyl chloride	1.275	1.128	11.5	106	0.00	4.96
8	M	bromomethane	0.583	0.594	-1.9	130	-0.01	5.50
9	M	chloroethane	0.410	0.432	-5.4	125	0.00	5.67
10	M	ethyl ether	0.481	0.484	-0.6	114	0.00	6.57
			Amount	Calc.	%Drift			
11	M	acetonitrile	50.000	44.551	10.9	104	-0.01	6.57
			AvgRF	CCRF	%Dev			
12	M	trichlorofluoromethane	1.027	1.155	-12.5	126	-0.01	6.33
13	M	freon-113	0.533	0.598	-12.2	122	0.00	7.15
			Amount	Calc.	%Drift			
14	M	acrolein	250.000	221.244	11.5	89	0.00	6.32
			AvgRF	CCRF	%Dev			
15	c	1,1-dichloroethene	0.585	0.630	-7.7	128	0.00	6.94
16	M	acetone	0.110	0.087	20.9#	81	0.00	6.48
17	M	Methyl Acetate	0.807	0.765	5.2	100	0.00	7.13
18	M	methylene chloride	0.697	0.735	-5.5	130	0.00	7.10
19	M	methyl tert butyl ether	1.494	1.468	1.7	109	0.00	7.90
20	M	acrylonitrile	0.246	0.233	5.3	102	-0.01	7.00
21	M	allyl chloride	1.158	1.147	0.9	119	0.00	7.19
22	M	trans-1,2-dichloroethene	0.676	0.712	-5.3	126	0.00	7.81
23	M	iodomethane	1.108	1.360	-22.7#	142	0.00	7.00
24	M	carbon disulfide	1.967	2.172	-10.4	126	0.00	7.39
25	M	propionitrile	0.082	0.085	-3.7	115	0.00	8.15
26	M	vinyl acetate	1.403	1.367	2.6	103	0.00	8.17
27	M	chloroprene	1.019	1.020	-0.1	116	0.00	8.44
28	M	di-isopropyl ether	2.444	2.400	1.8	113	0.00	8.48
29	M	methacrylonitrile	0.412	0.358	13.1	98	0.00	8.60

Continuing Calibration Summary

Job Number: MC24064 **Sample:** MSM2039-CC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59046.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
30	M	2-butanone	50.000	30.177	39.6#	69	0.00	8.50
			AvgRF	CCRF	%Dev			
31	P	1,1-dichloroethane	1.091	1.101	-0.9	117	0.00	8.07
32	M	tert-butyl ethyl ether	1.811	1.787	1.3	109	0.00	8.88
33	M	isobutyl alcohol	0.091	0.091	0.0	120	0.00	8.88
34	M	2,2-dichloropropane	0.733	0.766	-4.5	119	0.00	8.95
35	M	cis-1,2-dichloroethene	0.761	0.795	-4.5	125	0.00	8.65
36	M	ethyl acetate	0.461	0.385	16.5	98	0.00	8.88
37	M	bromochloromethane	0.340	0.385	-13.2	133	0.00	8.82
38	c	chloroform	1.132	1.146	-1.2	117	0.00	8.86
39	S	dibromofluoromethane (s)	0.640	0.473	26.1#	86	0.00	8.99
40	M	Tetrahydrofuran	0.239	0.194	18.8	98	0.00	9.19
41	M	1,1,1-trichloroethane	0.921	0.990	-7.5	125	0.00	9.63
42	I	1,4-difluorobenzene	1.000	1.000	0.0	122	0.00	10.23
43	M	Cyclohexane	0.617	0.668	-8.3	121	0.00	9.91
44	M	carbon tetrachloride	0.511	0.578	-13.1	132	0.00	10.00
45	M	1,1-dichloropropene	0.513	0.533	-3.9	121	0.00	9.80
46	M	benzene	1.606	1.614	-0.5	120	0.00	10.03
47	M	1,2-dichloroethane	0.507	0.510	-0.6	110	0.00	9.52
48	M	tert-amyl methyl ether	0.867	0.880	-1.5	112	0.00	10.15
49	M	heptane	0.681	0.681	0.0	112	0.00	10.51
50	M	trichloroethene	0.425	0.447	-5.2	125	0.00	10.66
51	c	1,2-dichloropropane	0.417	0.430	-3.1	117	0.00	10.62
52	M	dibromomethane	0.229	0.239	-4.4	117	0.00	10.60
53	M	bromodichloromethane	0.528	0.559	-5.9	117	0.00	10.71
54	M	Methylcyclohexane	0.650	0.734	-12.9	124	0.00	11.18
55	M	2-chloroethyl vinyl ether	0.166	0.132	20.5#	88	0.00	11.09
56	M	methyl methacrylate	0.229	0.229	0.0	104	0.00	10.80
			Amount	Calc.	%Drift			
57	M	1,4-dioxane	250.000	219.018	12.4	98	0.00	10.80
			AvgRF	CCRF	%Dev			
58	M	cis-1,3-dichloropropene	0.631	0.671	-6.3	120	0.00	11.34
59	S	toluene-d8 (s)	1.319	1.016	23.0#	87	0.00	12.04
60	M	4-methyl-2-pentanone	0.453	0.398	12.1	97	0.00	11.42
61	c	toluene	0.988	1.075	-8.8	127	0.00	12.12
62	M	trans-1,3-dichloropropene	0.522	0.561	-7.5	120	0.00	11.75
63	M	1,1,2-trichloroethane	0.280	0.298	-6.4	118	0.00	11.93
64	M	ethyl methacrylate	0.483	0.462	4.3	107	0.00	12.12
65	I	chlorobenzene-d5	1.000	1.000	0.0	128	0.00	13.51
66	M	tetrachloroethene	0.798	0.986	-23.6#	149	0.00	12.86
67	M	1,3-dichloropropane	1.163	1.183	-1.7	116	0.00	12.16
68	M	dibromochloromethane	0.881	1.066	-21.0#	136	0.00	12.46
69	M	1,2-dibromoethane	0.748	0.830	-11.0	123	0.00	12.71
70	M	2-hexanone	0.921	0.571	38.0#	70	0.00	12.29
71	P	chlorobenzene	2.460	2.879	-17.0	136	0.00	13.55
72	M	1,1,1,2-tetrachloroethane	0.854	1.070	-25.3#	146	0.00	13.46
73	c	ethylbenzene	3.980	4.344	-9.1	126	0.00	13.71
74	M	m,p-xylene	1.672	1.861	-11.3	130	0.00	13.90
75	M	o-xylene	1.665	1.900	-14.1	133	0.00	14.31
76	M	styrene	2.517	2.908	-15.5	135	0.00	14.24
77	P	bromoform	0.515	0.661	-28.3#	145	0.00	14.07
78	M	trans-1,4-dichloro-2-bute	0.307	0.298	2.9	106	0.00	14.46

Continuing Calibration Summary

Job Number: MC24064 **Sample:** MSM2039-CC2022
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59046.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	159	0.00	16.07
80	M	isopropylbenzene	4.233	3.948	6.7	130	0.00	14.68
81	S	bromofluorobenzene (s)	0.971	0.688	29.1#	100	0.00	14.74
82	M	bromobenzene	0.999	1.008	-0.9	144	0.00	14.97
83	P	1,1,2,2-tetrachloroethane	1.044	0.858	17.8	111	0.00	14.32
84	M	1,2,3-trichloropropane	1.051	0.891	15.2	113	0.00	14.46
85	M	n-propylbenzene	4.902	4.368	10.9	123	0.00	15.12
86	M	2-chlorotoluene	2.880	2.571	10.7	125	0.00	15.24
87	M	4-chlorotoluene	2.869	2.586	9.9	129	0.00	15.32
88	M	1,3,5-trimethylbenzene	3.582	3.301	7.8	126	0.00	15.40
89	M	tert-butylbenzene	1.991	1.780	10.6	125	0.00	15.71
90	M	1,2,4-trimethylbenzene	3.520	3.299	6.3	129	0.00	15.81
91	M	sec-butylbenzene	4.844	4.544	6.2	127	0.00	15.93
92	M	1,3-dichlorobenzene	2.098	2.084	0.7	144	0.00	16.04
93	M	p-isopropyltoluene	3.876	3.581	7.6	124	0.00	16.10
94	M	1,4-dichlorobenzene	2.215	2.134	3.7	134	0.00	16.10
95	M	1,2-dichlorobenzene	2.040	2.060	-1.0	146	0.00	16.47
96	M	n-butylbenzene	3.782	3.337	11.8	118	0.00	16.52
			Amount	Calc.	%Drift			
97	M	1,2-dibromo-3-chloropropa	50.000	42.679	14.6	116	0.00	16.95
			AvgRF	CCRF	%Dev			
98		1,3,5-trichlorobenzene	1.335	1.485	-11.2	156	0.00	17.76
99	M	1,2,4-trichlorobenzene	1.243	1.406	-13.1	158	0.00	18.30
100	M	hexachlorobutadiene	0.651	0.683	-4.9	149	0.00	18.60
101	M	naphthalene	3.337	3.443	-3.2	145	0.00	18.58
102	M	1,2,3-trichlorobenzene	1.196	1.322	-10.5	156	0.00	18.79
103		2-methylnaphthalene	1.721	1.840	-6.9	147	0.00	19.97
			Amount	Calc.	%Drift			
104		1-methylnaphthalene	25.000	24.864	0.5	141	0.00	20.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m58641.D M130821S.M Mon Sep 09 15:38:57 2013

New England ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59060.D
Acq On : 9 Sep 2013 3:45 pm
Operator : krystend
Sample : mc24064-1
Misc : MS29844,MSM2039,4.533,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 09 16:35:11 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

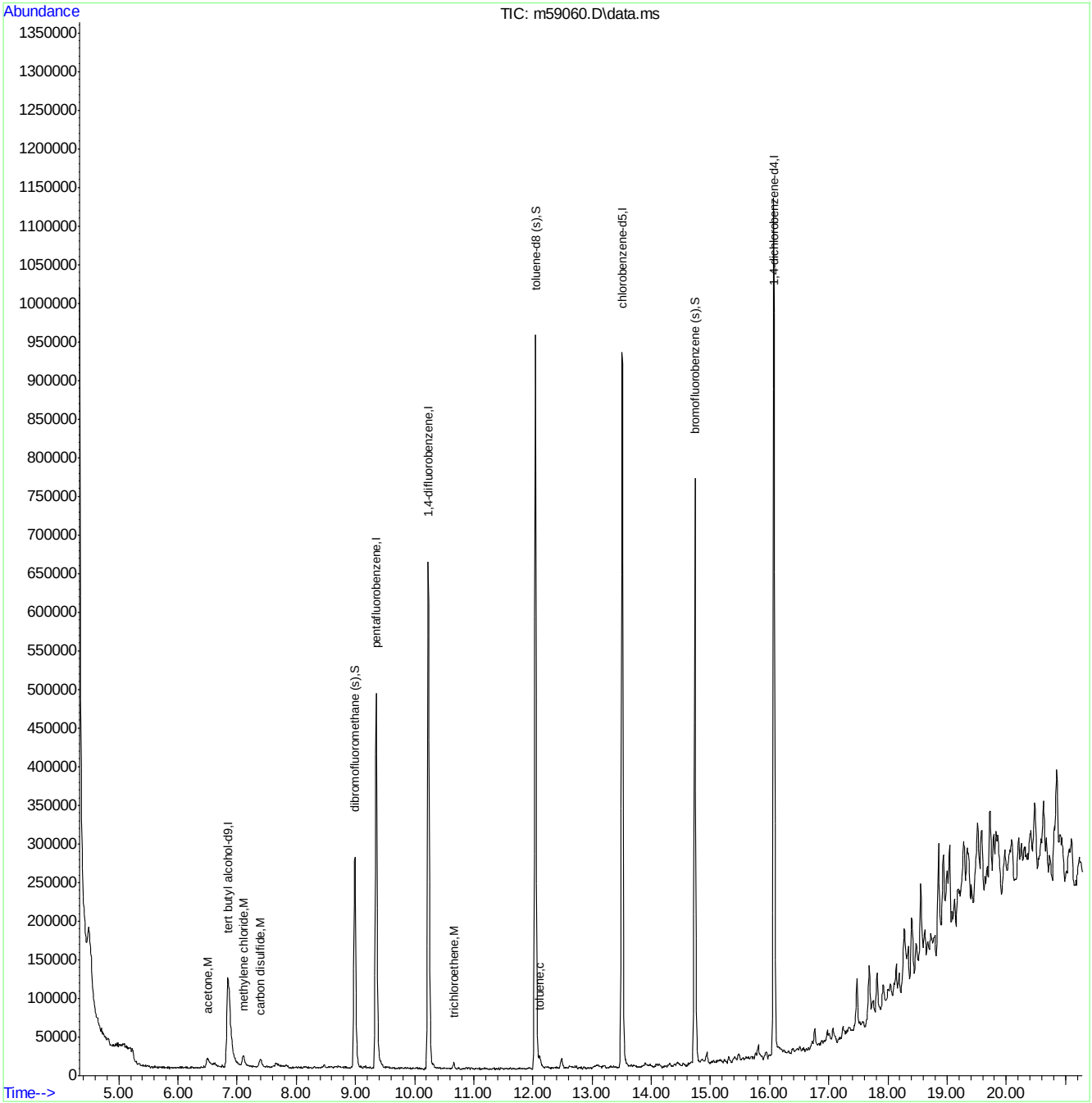
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	303152	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	396149	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	653259	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	285633	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	340127	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	201214	39.68	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 79.36%			
59) toluene-d8 (s)	12.043	98	716691	41.58	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.16%			
81) bromofluorobenzene (s)	14.738	95	282648	42.79	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 85.58%			
Target Compounds						Qvalue
16) acetone	6.499	58	13410	15.33	ug/kg#	62
18) methylene chloride	7.105	84	10463	1.89	ug/kg#	79
24) carbon disulfide	7.395	76	31602	2.03	ug/kg	91
50) trichloroethene	10.662	95	2444	0.44	ug/kg	84
61) toluene	12.111	92	5611	0.43	ug/kg#	71

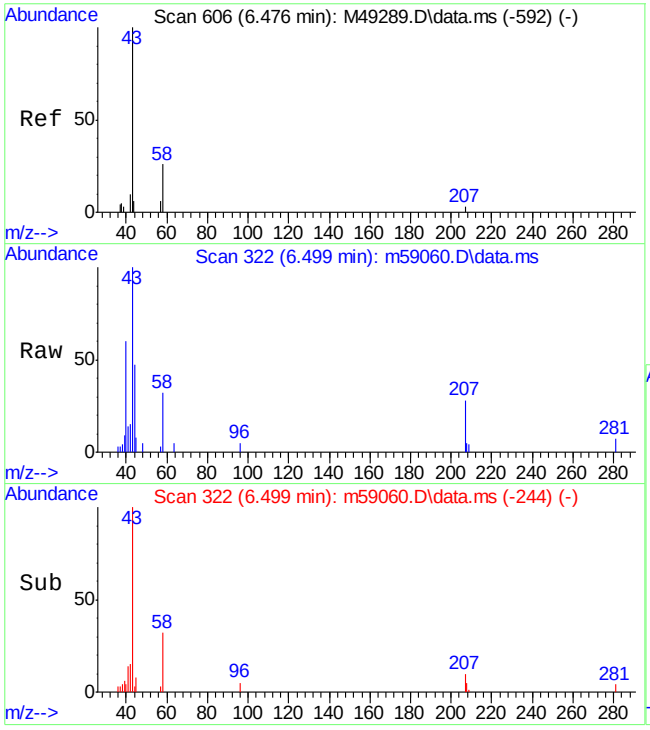
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59060.D
Acq On : 9 Sep 2013 3:45 pm
Operator : krystend
Sample : mc24064-1
Misc : MS29844,MSM2039,4.533,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 09 16:35:11 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

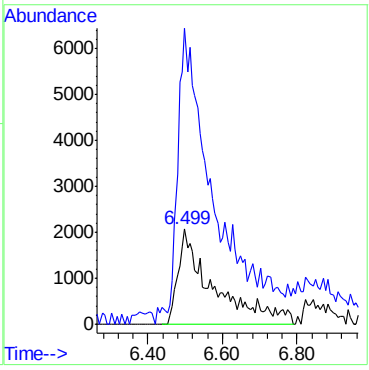


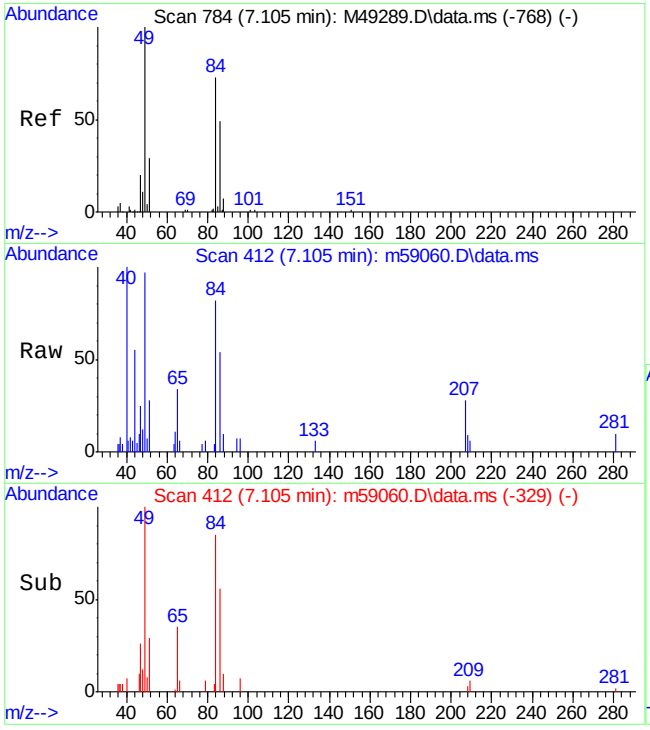


#16
acetone
Concen: 15.33 ug/kg
RT: 6.499 min Scan# 322
Delta R.T. 0.027 min
Lab File: m59060.D
Acq: 9 Sep 2013 3:45 pm

Tgt Ion: 58 Resp: 13410

Ion	Ratio	Lower	Upper
58	100		
43	293.4	350.4	410.4#

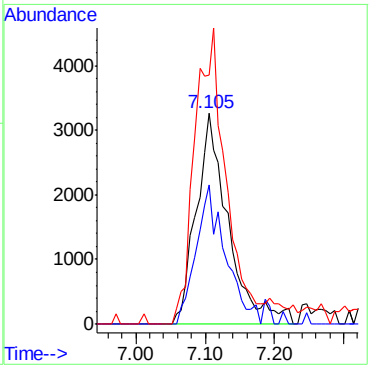


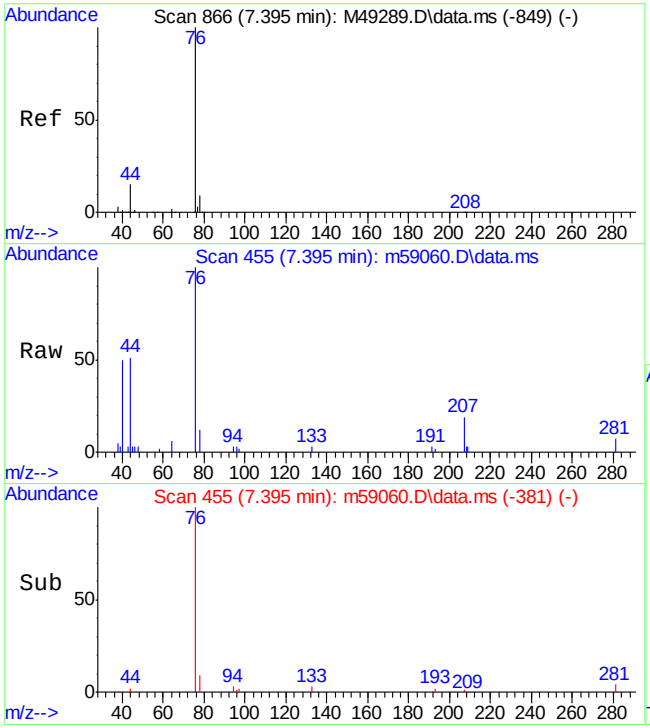


#18
methylene chloride
Concen: 1.89 ug/kg
RT: 7.105 min Scan# 412
Delta R.T. 0.000 min
Lab File: m59060.D
Acq: 9 Sep 2013 3:45 pm

Tgt Ion: 84 Resp: 10463

Ion	Ratio	Lower	Upper
84	100		
86	66.0	37.2	97.2
49	117.9	125.7	185.7#

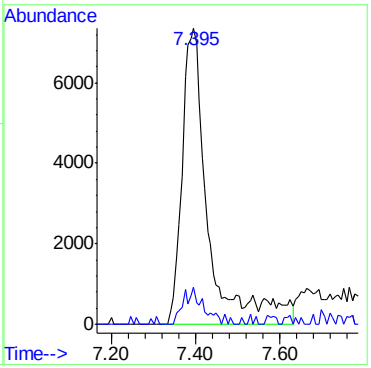


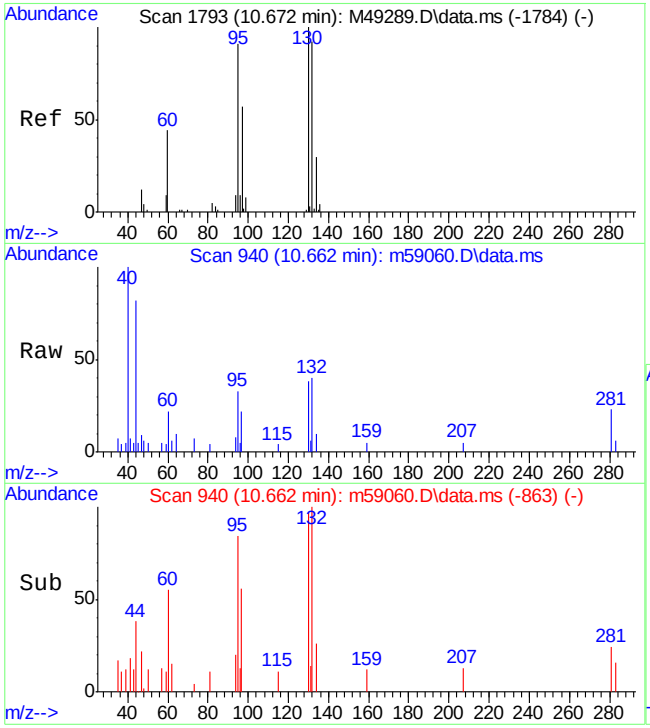


#24
carbon disulfide
Concen: 2.03 ug/kg
RT: 7.395 min Scan# 455
Delta R.T. 0.000 min
Lab File: m59060.D
Acq: 9 Sep 2013 3:45 pm

Tgt Ion: 76 Resp: 31602

Ion	Ratio	Lower	Upper
76	100		
78	12.4	0.0	39.1

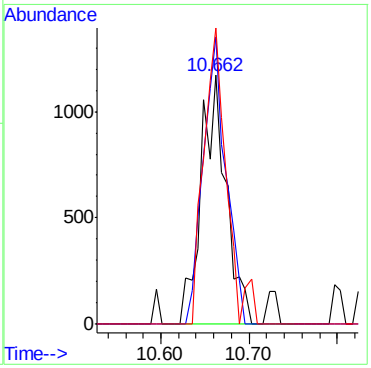


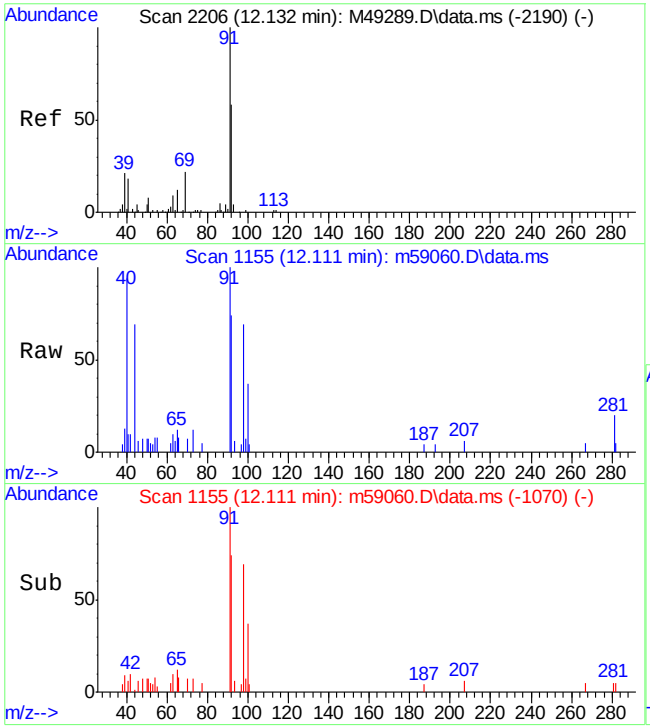


#50
trichloroethene
Concen: 0.44 ug/kg
RT: 10.662 min Scan# 940
Delta R.T. 0.000 min
Lab File: m59060.D
Acq: 9 Sep 2013 3:45 pm

Tgt Ion: 95 Resp: 2444

Ion	Ratio	Lower	Upper
95	100		
130	115.7	73.0	133.0
132	119.1	70.3	130.3

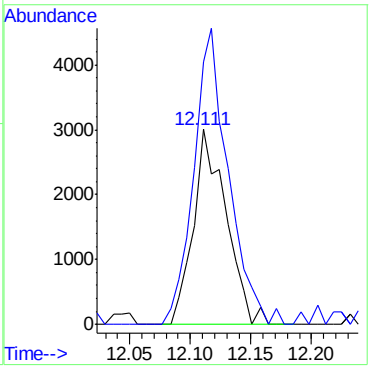




#61
toluene
Concen: 0.43 ug/kg
RT: 12.111 min Scan# 1155
Delta R.T. -0.006 min
Lab File: m59060.D
Acq: 9 Sep 2013 3:45 pm

Tgt Ion: 92 Resp: 5611

Ion	Ratio	Lower	Upper
92	100		
91	134.7	145.9	205.9#



7.1.1

7

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59060.D
Acq On : 9 Sep 2013 3:45 pm
Operator : krystend
Sample : mc24064-1
Misc : MS29844,MSM2039,4.533,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

Signal : TIC: m59060.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.499	315	322	363	rBV5	12393	82653	2.50%	0.552%
2	6.843	363	373	405	rVV2	117105	580590	17.56%	3.878%
3	7.105	405	412	445	rVV3	16183	77281	2.34%	0.516%
4	7.395	445	455	467	rVB	11099	43423	1.31%	0.290%
5	7.651	487	493	557	rVB6	7025	62767	1.90%	0.419%
6	8.466	585	614	637	rBV6	4494	30667	0.93%	0.205%
7	8.992	681	692	711	rVB	273925	651191	19.69%	4.349%
8	9.349	735	745	835	rVB	487201	1134101	34.29%	7.574%
9	10.049	845	849	855	rVB4	2495	5461	0.17%	0.036%
10	10.231	865	876	931	rBV	658173	1417020	42.85%	9.464%
11	10.662	931	940	947	rVV6	9880	23048	0.70%	0.154%
12	10.730	947	950	965	rVV9	3401	10015	0.30%	0.067%
13	10.905	965	976	981	rVB7	2873	10051	0.30%	0.067%
14	10.959	981	984	997	rBV5	2764	8802	0.27%	0.059%
15	11.060	997	999	1003	rVB3	1711	2310	0.07%	0.015%
16	11.188	1009	1018	1029	rVB9	2757	9252	0.28%	0.062%
17	11.349	1035	1042	1051	rBV9	2520	5886	0.18%	0.039%
18	11.531	1065	1069	1077	rBV2	1502	3184	0.10%	0.021%
19	11.774	1101	1105	1119	rVB10	2988	10146	0.31%	0.068%
20	11.929	1119	1128	1137	rBV8	2632	10635	0.32%	0.071%
21	12.043	1137	1145	1183	rVV	951103	1889261	57.13%	12.618%
22	12.488	1203	1211	1225	rBV2	12867	35190	1.06%	0.235%
23	12.710	1225	1244	1251	rVB9	4734	28629	0.87%	0.191%
24	12.811	1253	1259	1263	rVB7	3094	6811	0.21%	0.045%
25	12.865	1263	1267	1279	rBV7	3517	11526	0.35%	0.077%
26	13.310	1329	1333	1339	rBV7	4153	9136	0.28%	0.061%
27	13.505	1351	1362	1413	rBV	926028	1781383	53.87%	11.897%
28	13.902	1413	1421	1443	rVB	5664	32347	0.98%	0.216%
29	14.078	1443	1447	1475	rBV	4838	26453	0.80%	0.177%
30	14.738	1535	1545	1569	rBV	755675	1375126	41.58%	9.184%
31	14.940	1569	1575	1639	rVB6	13250	34194	1.03%	0.228%
32	15.411	1639	1645	1651	rBV10	6663	20427	0.62%	0.136%
33	16.072	1733	1743	1945	rBV	1110324	3306900	100.00%	22.086%
34	17.473	1945	1951	1975	rBV4	60882	123391	3.73%	0.824%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59060.D
Acq On : 9 Sep 2013 3:45 pm
Operator : krystend
Sample : mc24064-1
Misc : MS29844,MSM2039,4.533,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

35	17.688	1975	1983	1997	rBV3	74814	274867	8.31%	1.836%
36	18.140	1997	2050	2065	rBV6	62817	776124	23.47%	5.184%
37	18.274	2065	2070	2085	rBV10	66958	266116	8.05%	1.777%
38	18.402	2085	2089	2107	rBV4	73622	267164	8.08%	1.784%
39	18.557	2107	2112	2151	rVV4	94967	529300	16.01%	3.535%

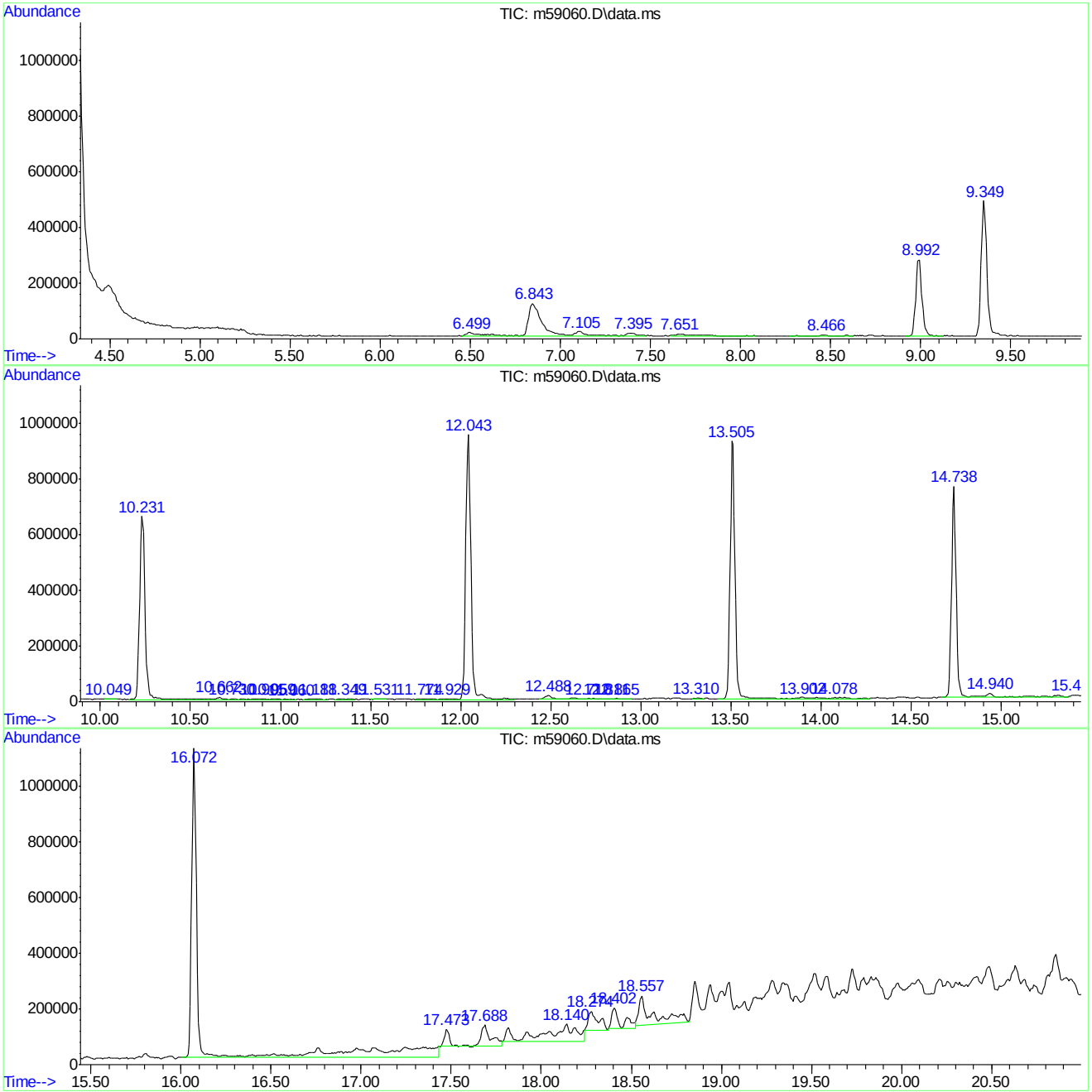
Sum of corrected areas: 14972828

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59060.D
Acq On : 9 Sep 2013 3:45 pm
Operator : krystend
Sample : mc24064-1
Misc : MS29844,MSM2039,4.533,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59060.D
Acq On : 9 Sep 2013 3:45 pm
Operator : krystend
Sample : mc24064-1
Misc : MS29844,MSM2039,4.533,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

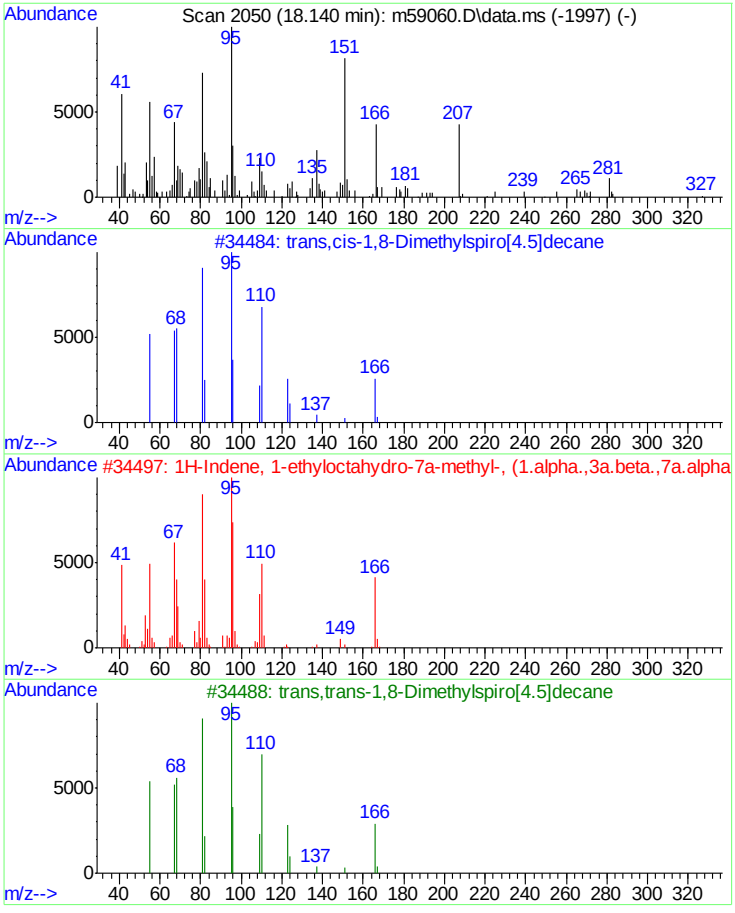
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

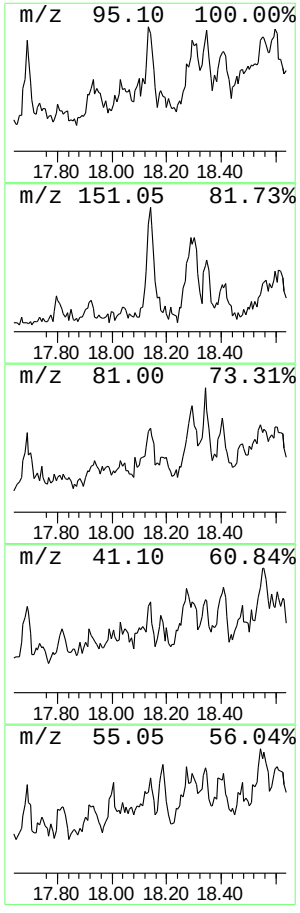
****

Peak Number 2 trans,cis-1,8-Dimethylspiro... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.140	11.73 ug/kg	776124	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans,cis-1,8-Dimethylspiro[4.5]...	166	C12H22	1000111-72-9	64
2	1H-Indene, 1-ethyloctahydro-7a-m...	166	C12H22	056324-71-1	60
3	trans,trans-1,8-Dimethylspiro[4....	166	C12H22	1000111-72-8	58
4	3,5-Octadiene, 4,5-diethyl-	166	C12H22	067652-84-0	53
5	trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	50





Library Search Compound Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59060.D
Acq On : 9 Sep 2013 3:45 pm
Operator : krystend
Sample : mc24064-1
Misc : MS29844,MSM2039,4.533,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

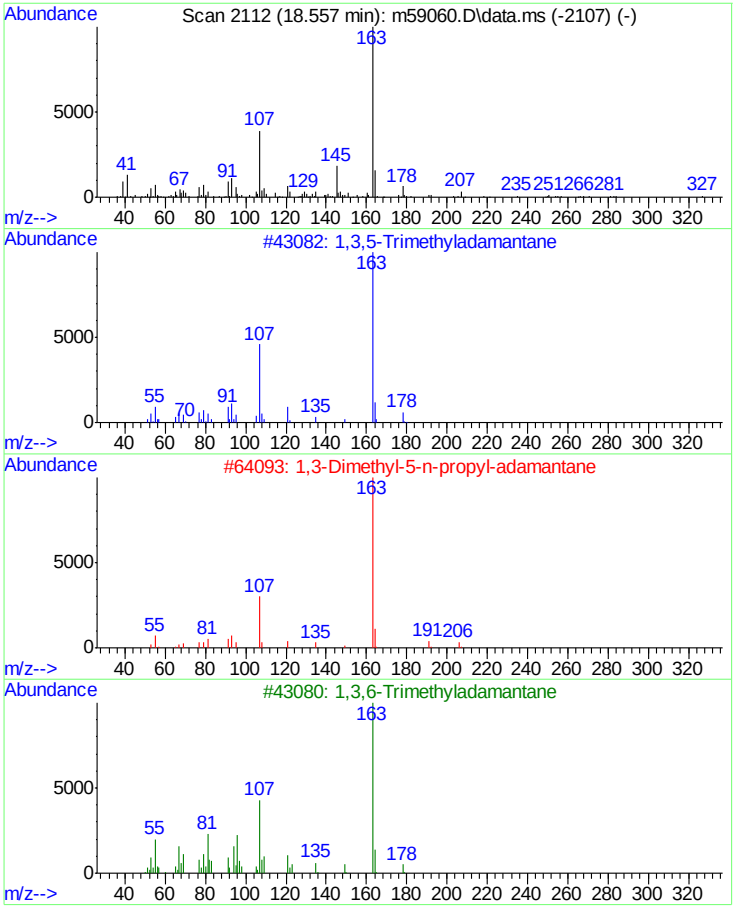
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

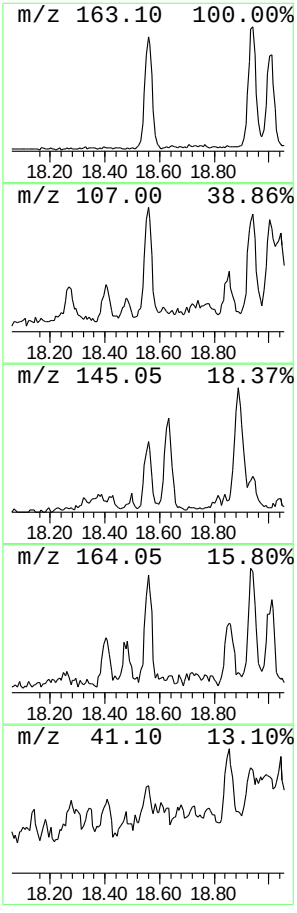
****

Peak Number 3 1,3,5-Trimethyladamantane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.557	8.00 ug/kg	529300	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Trimethyladamantane	178	C13H22	000707-35-7	90
2	1,3-Dimethyl-5-n-propyl-adamantane	206	C15H26	019385-87-6	72
3	1,3,6-Trimethyladamantane	178	C13H22	024139-37-5	64
4	1,3-Dimethyl-5-n-hexyladamantane	248	C18H32	052873-50-4	64
5	1,3-Dimethyl-5-ethyladamantane	192	C14H24	001687-35-0	56





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59060.D
Acq On : 9 Sep 2013 3:45 pm
Operator : krystend
Sample : mc24064-1
Misc : MS29844,MSM2039,4.533,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
trans,cis-1,8-D...	18.140	11.7	ug/kg	776124	5	16.072	3306900	50.0
1,3,5-Trimethyl...	18.557	8.0	ug/kg	529300	5	16.072	3306900	50.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59050.D
Acq On : 9 Sep 2013 10:50 am
Operator : krystend
Sample : mb
Misc : MS29844,MSM2039,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 09 11:43:14 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

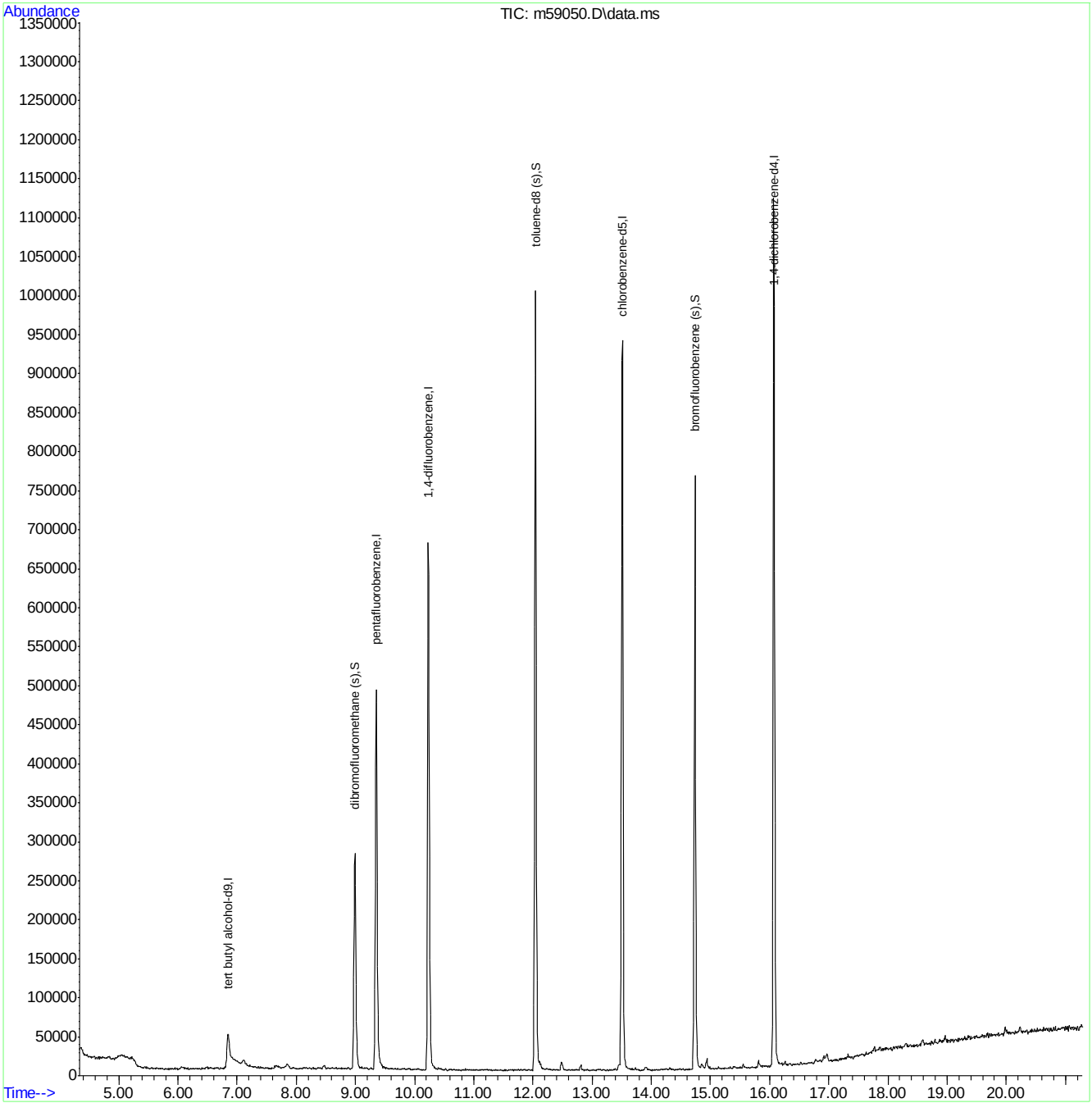
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	158206	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	406482	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	669600	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	288136	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	342292	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	200340	38.50	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 77.00%			
59) toluene-d8 (s)	12.043	98	740561	41.92	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.84%			
81) bromofluorobenzene (s)	14.738	95	278143	41.84	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.68%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59050.D
Acq On : 9 Sep 2013 10:50 am
Operator : krystend
Sample : mb
Misc : MS29844,MSM2039,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 09 11:43:14 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59050.D
Acq On : 9 Sep 2013 10:50 am
Operator : krystend
Sample : mb
Misc : MS29844,MSM2039,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

Signal : TIC: m59050.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.055	249	256	315	rBV9	2679	17212	0.81%	0.154%
2	6.843	365	373	453	rBV	44420	332421	15.58%	2.983%
3	7.651	487	493	507	rBV7	4206	18417	0.86%	0.165%
4	7.847	515	522	549	rVB9	6830	32721	1.53%	0.294%
5	8.163	549	569	593	rBV10	2633	20749	0.97%	0.186%
6	8.480	609	616	671	rBV10	4992	36953	1.73%	0.332%
7	8.992	681	692	715	rBV2	276351	648388	30.39%	5.818%
8	9.268	727	733	737	rVB7	1682	2258	0.11%	0.020%
9	9.349	737	745	821	rVB	487115	1103246	51.70%	9.900%
10	10.231	865	876	913	rVB	676639	1407055	65.94%	12.627%
11	10.521	913	919	927	rBV7	2195	2856	0.13%	0.026%
12	10.858	965	969	981	rBV7	2571	6574	0.31%	0.059%
13	11.026	981	994	997	rVB5	1702	5543	0.26%	0.050%
14	11.073	997	1001	1005	rBV4	1189	2722	0.13%	0.024%
15	11.592	1069	1078	1079	rBV2	2058	4946	0.23%	0.044%
16	11.848	1113	1116	1125	rBV5	1274	4107	0.19%	0.037%
17	12.043	1135	1145	1183	rBV	999719	1915853	89.78%	17.192%
18	12.481	1203	1210	1223	rVB2	10400	23163	1.09%	0.208%
19	12.710	1233	1244	1253	rVB6	1378	5390	0.25%	0.048%
20	12.811	1253	1259	1279	rBV4	6958	16415	0.77%	0.147%
21	13.013	1287	1289	1297	rVB3	1837	2719	0.13%	0.024%
22	13.108	1297	1303	1311	rBV5	2133	6936	0.33%	0.062%
23	13.202	1311	1317	1321	rVB4	1244	2212	0.10%	0.020%
24	13.256	1321	1325	1339	rBV5	1932	4501	0.21%	0.040%
25	13.391	1339	1345	1349	rVB4	2263	4314	0.20%	0.039%
26	13.512	1349	1363	1385	rBV	935478	1801022	84.40%	16.162%
27	13.727	1393	1395	1407	rVB5	4236	9227	0.43%	0.083%
28	13.909	1413	1422	1437	rVB7	4414	16329	0.77%	0.147%
29	14.098	1437	1450	1455	rBV5	2029	8190	0.38%	0.073%
30	14.165	1455	1460	1465	rVB4	1691	4083	0.19%	0.037%
31	14.253	1467	1473	1481	rVV3	1641	5880	0.28%	0.053%
32	14.334	1481	1485	1495	rVB8	1554	4418	0.21%	0.040%
33	14.542	1511	1516	1529	rBV4	2090	6800	0.32%	0.061%
34	14.738	1531	1545	1559	rVV	761698	1406842	65.93%	12.625%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59050.D
Acq On : 9 Sep 2013 10:50 am
Operator : krystend
Sample : mb
Misc : MS29844,MSM2039,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130821S.M
Title : SW-846 Method 8260

35	14.852	1559	1562	1569	rVV6	7197	15883	0.74%	0.143%
36	14.940	1569	1575	1637	rVB2	13879	42500	1.99%	0.381%
37	15.398	1637	1643	1663	rBV9	2513	14115	0.66%	0.127%
38	15.560	1663	1667	1697	rBV10	5413	18075	0.85%	0.162%
39	15.816	1701	1705	1735	rBV10	8945	28713	1.35%	0.258%
40	16.072	1735	1743	1843	rBV	1113979	2133825	100.00%	19.148%

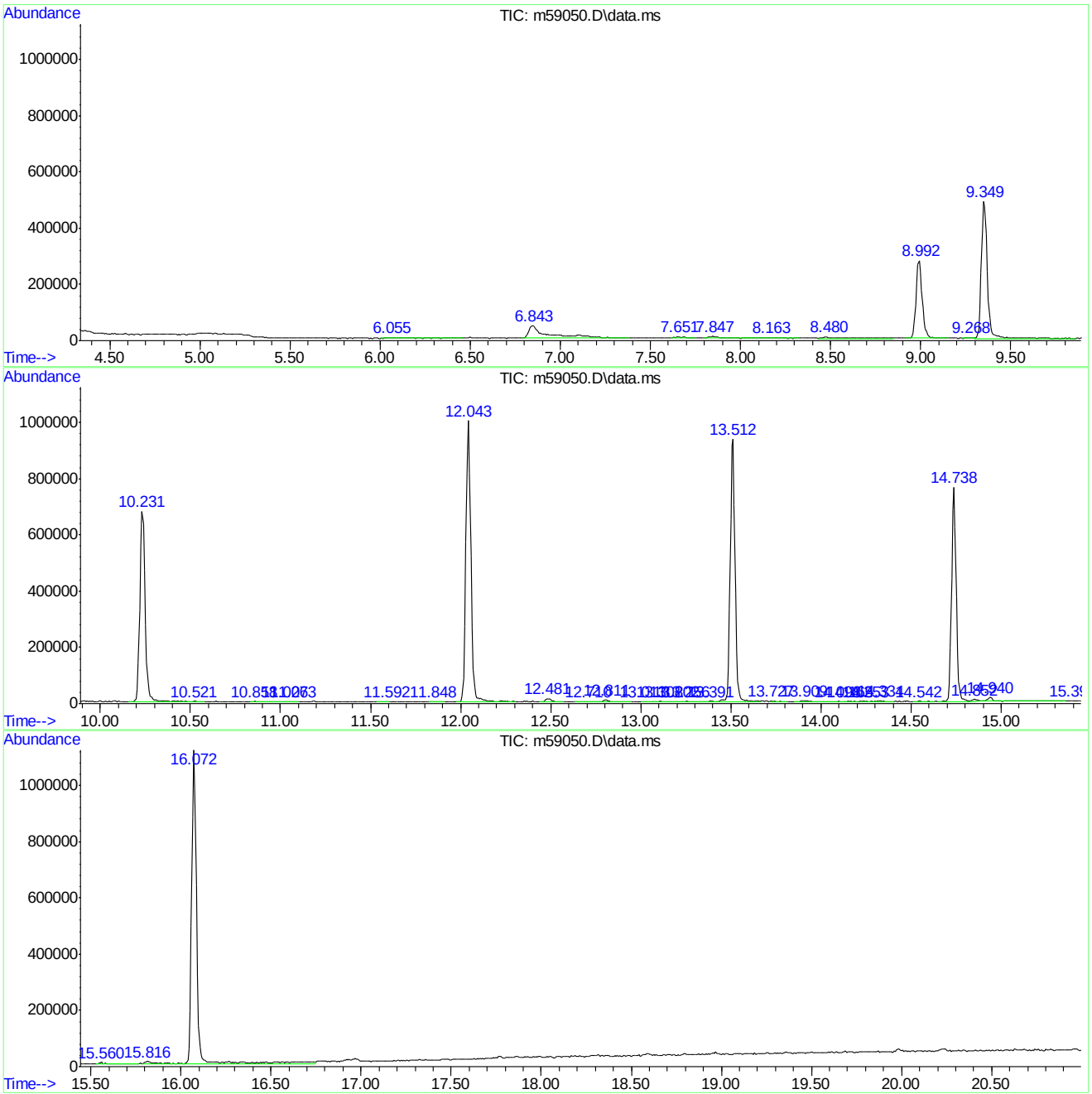
Sum of corrected areas: 11143573

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59050.D
Acq On : 9 Sep 2013 10:50 am
Operator : krystend
Sample : mb
Misc : MS29844,MSM2039,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59050.D
Acq On : 9 Sep 2013 10:50 am
Operator : krystend
Sample : mb
Misc : MS29844,MSM2039,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59050.D
Acq On : 9 Sep 2013 10:50 am
Operator : krystend
Sample : mb
Misc : MS29844,MSM2039,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

7.2.2

7

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/10/13 11:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59047.D
Acq On : 9 Sep 2013 9:21 am
Operator : krystend
Sample : bs
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 09:52:11 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.836	65	160226	500.00	ug/kg	-0.01
4) pentafluorobenzene		9.349	168	415801	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	694969	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	323691	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	392033	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	207506	38.98	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 77.96%			
59) toluene-d8 (s)		12.043	98	770247	42.01	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 84.02%			
81) bromofluorobenzene (s)		14.738	95	298835	39.25	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 78.50%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.937	59	228023	530.31	ug/kg	94
3) Ethanol		5.650	45	186607	4405.13	ug/kg	95
5) dichlorodifluoromethane		4.438	85	274109	46.75	ug/kg	100
6) chloromethane		4.694	50	448565	49.28	ug/kg	97
7) vinyl chloride		4.963	62	376412	35.50	ug/kg	98
8) bromomethane	...	5.502	96	250054	51.54	ug/kg	99
9) chloroethane		5.677	64	178555	52.39	ug/kg	98
10) ethyl ether		6.573	59	201952	50.54	ug/kg	95
11) acetonitrile		6.573	41	57006	46.82	ug/kg	98
12) trichlorofluoromethane		6.338	101	466056m	54.58	ug/kg	
13) freon-113		7.153	101	266600	60.16	ug/kg	89
14) acrolein		6.324	56	109842	359.13	ug/kg	98
15) 1,1-dichloroethene		6.944	96	287163	58.98	ug/kg	89
16) acetone		6.499	58	29250	31.86	ug/kg#	51
17) Methyl Acetate		7.126	43	265595	39.58	ug/kg	97
18) methylene chloride		7.099	84	321392	55.45	ug/kg	89
19) methyl tert butyl ether		7.907	73	623018	50.13	ug/kg	98
20) acrylonitrile		7.004	53	96627	47.17	ug/kg	80
21) allyl chloride		7.193	41	485072	50.38	ug/kg	98
22) trans-1,2-dichloroethene		7.813	96	306267	54.51	ug/kg	92
23) iodomethane		7.011	142	568333	61.70	ug/kg	97
24) carbon disulfide		7.388	76	876378	53.58	ug/kg	99
25) propionitrile		8.156	54	32669	47.79	ug/kg	100
26) vinyl acetate		8.170	43	451252	38.67	ug/kg	95
27) chloroprene		8.446	53	461466	54.44	ug/kg	92
28) di-isopropyl ether		8.480	45	994150	48.92	ug/kg	95
29) methacrylonitrile		8.601	41	151624	44.21	ug/kg	98
30) 2-butanone		8.493	72	28853	29.59	ug/kg#	1
31) 1,1-dichloroethane		8.069	63	503480	55.50	ug/kg	97
32) tert-butyl ethyl ether		8.884	59	778717	51.71	ug/kg	98
33) isobutyl alcohol		8.884	43	171864	226.29	ug/kg	97
34) 2,2-dichloropropane		8.951	77	340766	55.87	ug/kg	95
35) cis-1,2-dichloroethene		8.655	96	327206	51.71	ug/kg	94
36) ethyl acetate		8.884	43	185544	48.41	ug/kg	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59047.D
Acq On : 9 Sep 2013 9:21 am
Operator : krystend
Sample : bs
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 09:52:11 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	176381	62.30	ug/kg#	86
38) chloroform	8.864	83	516110	54.82	ug/kg	97
40) Tetrahydrofuran	9.194	42	79620	40.03	ug/kg	99
41) 1,1,1-trichloroethane	9.632	97	447906	58.48	ug/kg	96
43) Cyclohexane	9.915	56	446971	52.13	ug/kg	99
44) carbon tetrachloride	10.002	117	438491	61.74	ug/kg	98
45) 1,1-dichloropropene	9.800	75	380240	53.32	ug/kg	96
46) benzene	10.029	78	1146903	51.37	ug/kg	100
47) 1,2-dichloroethane	9.524	62	359823	51.07	ug/kg	97
48) tert-amyl methyl ether	10.150	73	632153	52.48	ug/kg	96
49) heptane	10.507	43	483949	51.15	ug/kg	98
50) trichloroethene	10.656	95	311831	52.75	ug/kg	92
51) 1,2-dichloropropane	10.622	63	299309	51.68	ug/kg	99
52) dibromomethane	10.602	93	184241	57.98	ug/kg	89
53) bromodichloromethane	10.709	83	404415	55.13	ug/kg	98
54) Methylcyclohexane	11.181	83	518153	57.38	ug/kg	96
55) 2-chloroethyl vinyl ether	11.087	63	70283	30.37	ug/kg	96
56) methyl methacrylate	10.804	69	166015	52.15	ug/kg	88
57) 1,4-dioxane	10.804	88	11345	231.57	ug/kg	89
58) cis-1,3-dichloropropene	11.336	75	457481	52.13	ug/kg	95
60) 4-methyl-2-pentanone	11.424	43	293669	46.59	ug/kg	99
61) toluene	12.117	92	755919	55.04	ug/kg	99
62) trans-1,3-dichloropropene	11.754	75	407831	56.20	ug/kg	90
63) 1,1,2-trichloroethane	11.929	83	210464	54.06	ug/kg	96
64) ethyl methacrylate	12.124	69	336722	50.12	ug/kg	97
66) tetrachloroethene	12.858	166	349300	67.59	ug/kg	95
67) 1,3-dichloropropane	12.165	76	396034	52.60	ug/kg	99
68) dibromochloromethane	12.461	129	362388	63.56	ug/kg	99
69) 1,2-dibromoethane	12.710	107	278452	57.53	ug/kg	98
70) 2-hexanone	12.279	43	202807	34.01	ug/kg	100
71) chlorobenzene	13.546	112	929522	58.36	ug/kg	94
72) 1,1,1,2-tetrachloroethane	13.465	131	361030	65.26	ug/kg	97
73) ethylbenzene	13.714	91	1439223	55.85	ug/kg	95
74) m,p-xylene	13.896	106	1218801	112.62	ug/kg	95
75) o-xylene	14.313	106	607393	56.35	ug/kg	96
76) styrene	14.239	104	932243	57.21	ug/kg	96
77) bromoform	14.071	173	238059	71.38	ug/kg	100
78) trans-1,4-dichloro-2-b...	14.462	53	100241	50.36	ug/kg	91
80) isopropylbenzene	14.677	105	1585239	47.77	ug/kg	95
82) bromobenzene	14.967	156	424107	54.17	ug/kg	90
83) 1,1,2,2-tetrachloroethane	14.320	83	358216	43.77	ug/kg	98
84) 1,2,3-trichloropropane	14.462	75	378912	45.98	ug/kg	98
85) n-propylbenzene	15.122	91	1737350	45.20	ug/kg	94
86) 2-chlorotoluene	15.243	91	1013717	44.90	ug/kg	93
87) 4-chlorotoluene	15.317	91	1057276	47.01	ug/kg	92
88) 1,3,5-trimethylbenzene	15.398	105	1321503	47.06	ug/kg	95
89) tert-butylbenzene	15.708	91	713881	45.73	ug/kg	88
90) 1,2,4-trimethylbenzene	15.809	105	1328002	48.12	ug/kg	97
91) sec-butylbenzene	15.930	105	1800865	47.42	ug/kg	95
92) 1,3-dichlorobenzene	16.031	146	837211	50.89	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59047.D
Acq On : 9 Sep 2013 9:21 am
Operator : krystend
Sample : bs
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 09:52:11 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

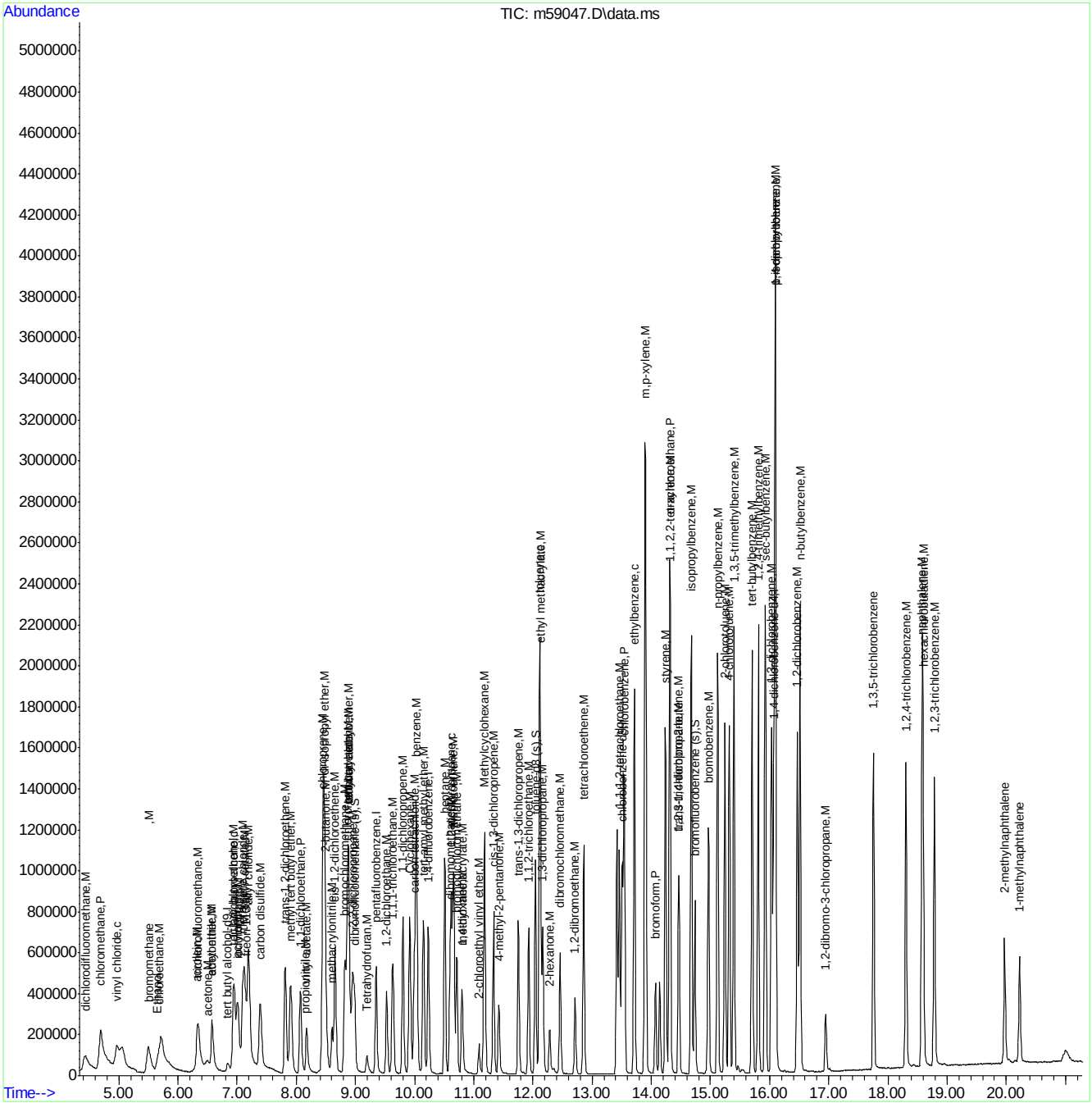
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	1548836	50.96	ug/kg	97
94) 1,4-dichlorobenzene	16.099	146	883202	50.85	ug/kg	96
95) 1,2-dichlorobenzene	16.469	146	823569	51.49	ug/kg	98
96) n-butylbenzene	16.516	91	1353039	45.63	ug/kg	93
97) 1,2-dibromo-3-chloropr...	16.947	75	66759	46.22	ug/kg	77
98) 1,3,5-trichlorobenzene	17.756	180	556083	53.14	ug/kg	99
99) 1,2,4-trichlorobenzene	18.308	180	565984	58.07	ug/kg	100
100) hexachlorobutadiene	18.598	225	297602	58.26	ug/kg	99
101) naphthalene	18.578	128	1445851	55.25	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	543755	57.97	ug/kg	95
103) 2-methylnaphthalene	19.972	142	402807	29.85	ug/kg	99
104) 1-methylnaphthalene	20.228	TIC	1252819	29.23	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59047.D
Acq On : 9 Sep 2013 9:21 am
Operator : krystend
Sample : bs
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

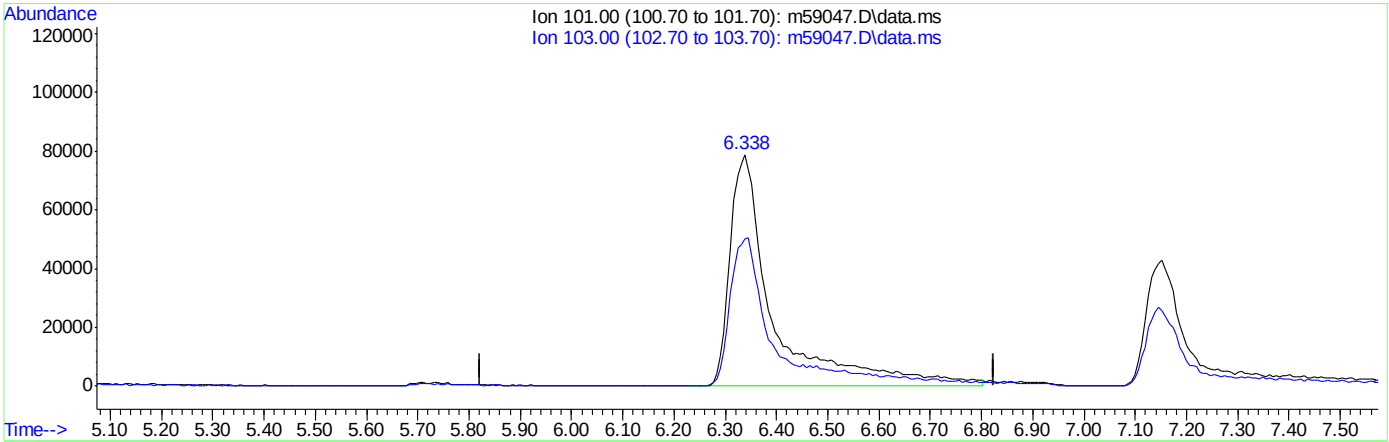
Quant Time: Sep 09 09:52:11 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

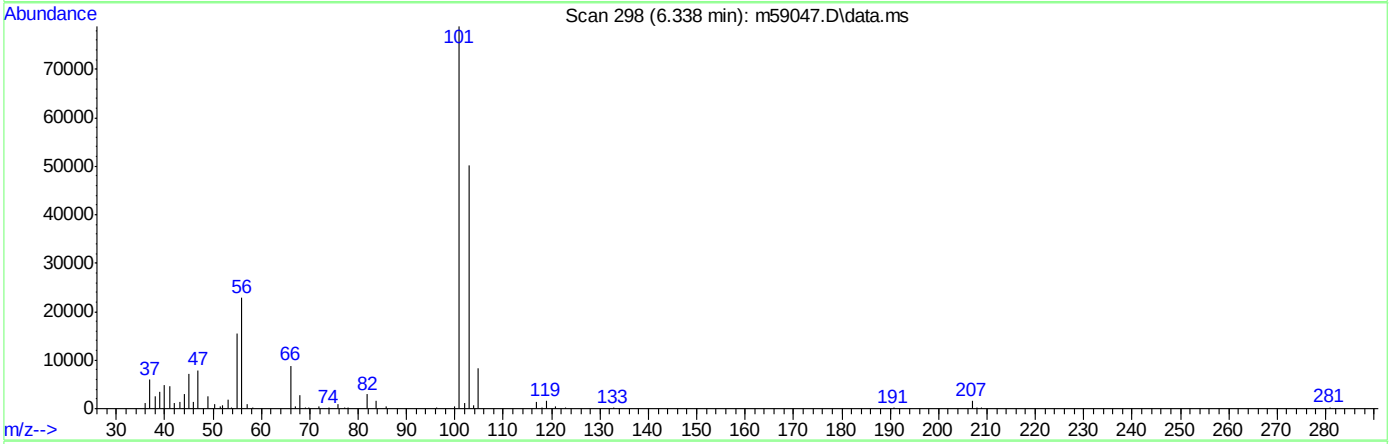


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59047.D
Acq On : 9 Sep 2013 9:21 am
Operator : krystend
Sample : bs
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 09:52:01 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59047.D\data.ms

(12) trichlorofluoromethane (M)

6.338min (-0.006) 54.58ug/kg m

response 466056

Ion	Exp%	Act%
101.00	100	100
103.00	62.50	63.54
0.00	0.00	0.00
0.00	0.00	0.00

M59047.D edits: trichlorofluoromethane

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/10/13 11:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59063.D
Acq On : 9 Sep 2013 5:13 pm
Operator : krystend
Sample : mc24064-1ms
Misc : MS29844,MSM2039,5.178,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 10 08:44:35 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.849	65	371133	500.00	ug/kg	0.00
4) pentafluorobenzene		9.355	168	477020	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	778444	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	350739	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	397879	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	235279	38.53	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 77.06%			
59) toluene-d8 (s)		12.043	98	847616	41.27	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 82.54%			
81) bromofluorobenzene (s)		14.738	95	332272	43.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 86.00%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.937	59	569573	571.88	ug/kg	93
3) Ethanol		5.691	45	410533	4187.34	ug/kg	98
5) dichlorodifluoromethane		4.431	85	280622	41.72	ug/kg	99
6) chloromethane		4.707	50	514019	49.22	ug/kg	99
7) vinyl chloride		4.970	62	412700	33.93	ug/kg	93
8) bromomethane	...	5.502	96	254634	45.75	ug/kg	98
9) chloroethane		5.677	64	198947m	50.88	ug/kg	
10) ethyl ether		6.580	59	228116	49.76	ug/kg	89
11) acetonitrile		6.580	41	58732	42.55	ug/kg	94
12) trichlorofluoromethane		6.338	101	393516	40.17	ug/kg	98
13) freon-113		7.153	101	148972	29.30	ug/kg	91
14) acrolein		6.331	56	127778	364.00	ug/kg	99
15) 1,1-dichloroethene		6.951	96	260699	46.67	ug/kg	85
16) acetone		6.472	58	53089	50.41	ug/kg	87
17) Methyl Acetate		7.132	43	309614	40.22	ug/kg	94
18) methylene chloride		7.105	84	310446m	46.69	ug/kg	
19) methyl tert butyl ether		7.907	73	746545	52.36	ug/kg	98
20) acrylonitrile		7.011	53	139243	59.25	ug/kg	94
21) allyl chloride		7.200	41	491046	44.46	ug/kg	99
22) trans-1,2-dichloroethene		7.813	96	294990	45.77	ug/kg	93
23) iodomethane		7.011	142	581576	55.04	ug/kg	95
24) carbon disulfide		7.395	76	884033	47.12	ug/kg	99
25) propionitrile		8.096	54	49383	62.98	ug/kg	100
26) vinyl acetate		8.177	43	469887	35.10	ug/kg	97
27) chloroprene		8.446	53	295382	30.38	ug/kg	93
28) di-isopropyl ether		8.486	45	1001992	42.98	ug/kg	95
29) methacrylonitrile		8.601	41	213663	54.30	ug/kg	99
30) 2-butanone		8.500	72	48181	44.61	ug/kg#	60
31) 1,1-dichloroethane		8.075	63	511693	49.17	ug/kg	97
32) tert-butyl ethyl ether		8.891	59	835280	48.35	ug/kg	98
33) isobutyl alcohol		8.911	43	256284	294.14	ug/kg#	62
34) 2,2-dichloropropane		8.951	77	314649	44.97	ug/kg	99
35) cis-1,2-dichloroethene		8.655	96	332026	45.73	ug/kg	92
36) ethyl acetate		8.911	43	263059	59.82	ug/kg	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59063.D
Acq On : 9 Sep 2013 5:13 pm
Operator : krystend
Sample : mc24064-1ms
Misc : MS29844,MSM2039,5.178,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 10 08:44:35 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	bromochloromethane	8.830	128	189529	58.36	ug/kg#	83
38)	chloroform	8.864	83	514364	47.62	ug/kg	95
40)	Tetrahydrofuran	9.194	42	132722	58.16	ug/kg	100
41)	1,1,1-trichloroethane	9.632	97	373932	42.56	ug/kg	94
43)	Cyclohexane	9.921	56	168442	17.54	ug/kg	99
44)	carbon tetrachloride	10.002	117	301835	37.94	ug/kg	99
45)	1,1-dichloropropene	9.807	75	283731	35.52	ug/kg	96
46)	benzene	10.029	78	1061617	42.45	ug/kg	100
47)	1,2-dichloroethane	9.531	62	389680	49.37	ug/kg	95
48)	tert-amyl methyl ether	10.150	73	682785	50.60	ug/kg	96
49)	heptane	10.507	43	65609	6.19	ug/kg	98
50)	trichloroethene	10.662	95	252254	38.09	ug/kg	87
51)	1,2-dichloropropane	10.622	63	287539	44.32	ug/kg	96
52)	dibromomethane	10.602	93	202549	56.91	ug/kg	87
53)	bromodichloromethane	10.716	83	394659	48.03	ug/kg	99
54)	Methylcyclohexane	11.181	83	118575	11.72	ug/kg	94
55)	2-chloroethyl vinyl ether	11.336	63	2763	1.07	ug/kg#	47
56)	methyl methacrylate	10.804	69	228683	64.14	ug/kg	93
57)	1,4-dioxane	10.810	88	21819	400.91	ug/kg	77
58)	cis-1,3-dichloropropene	11.336	75	433191	44.07	ug/kg	94
60)	4-methyl-2-pentanone	11.423	43	469334	66.47	ug/kg	96
61)	toluene	12.117	92	556379	36.17	ug/kg	99
62)	trans-1,3-dichloropropene	11.754	75	408205	50.22	ug/kg	92
63)	1,1,2-trichloroethane	11.929	83	227918	52.27	ug/kg	93
64)	ethyl methacrylate	12.124	69	406815	54.06	ug/kg	95
66)	tetrachloroethene	12.858	166	171552	30.64	ug/kg	98
67)	1,3-dichloropropane	12.164	76	411232	50.40	ug/kg	100
68)	dibromochloromethane	12.461	129	354235	57.34	ug/kg	97
69)	1,2-dibromoethane	12.710	107	305630	58.27	ug/kg	98
70)	2-hexanone	12.279	43	347327	53.75	ug/kg	99
71)	chlorobenzene	13.545	112	624333	36.18	ug/kg	95
72)	1,1,1,2-tetrachloroethane	13.465	131	260460	43.45	ug/kg	99
73)	ethylbenzene	13.714	91	724363	25.94	ug/kg	98
74)	m,p-xylene	13.902	106	577932	49.29	ug/kg	91
75)	o-xylene	14.313	106	303475	25.98	ug/kg	90
76)	styrene	14.239	104	483499	27.38	ug/kg	97
77)	bromoform	14.071	173	243114	67.27	ug/kg	98
78)	trans-1,4-dichloro-2-b...	14.462	53	115274	53.44	ug/kg	90
80)	isopropylbenzene	14.677	105	536338	15.92	ug/kg	94
82)	bromobenzene	14.967	156	245423	30.88	ug/kg	90
83)	1,1,2,2-tetrachloroethane	14.320	83	387221	46.62	ug/kg	97
84)	1,2,3-trichloropropane	14.468	75	436650	52.20	ug/kg	99
85)	n-propylbenzene	15.122	91	527857	13.53	ug/kg	93
86)	2-chlorotoluene	15.243	91	416125	18.16	ug/kg	93
87)	4-chlorotoluene	15.317	91	444786	19.48	ug/kg	90
88)	1,3,5-trimethylbenzene	15.398	105	379898	13.33	ug/kg	94
89)	tert-butylbenzene	15.708	91	171924	10.85	ug/kg	88
90)	1,2,4-trimethylbenzene	15.809	105	397249	14.18	ug/kg	96
91)	sec-butylbenzene	15.930	105	358898	9.31	ug/kg	92
92)	1,3-dichlorobenzene	16.038	146	309463	18.54	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59063.D
Acq On : 9 Sep 2013 5:13 pm
Operator : krystend
Sample : mc24064-1ms
Misc : MS29844,MSM2039,5.178,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 10 08:44:35 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

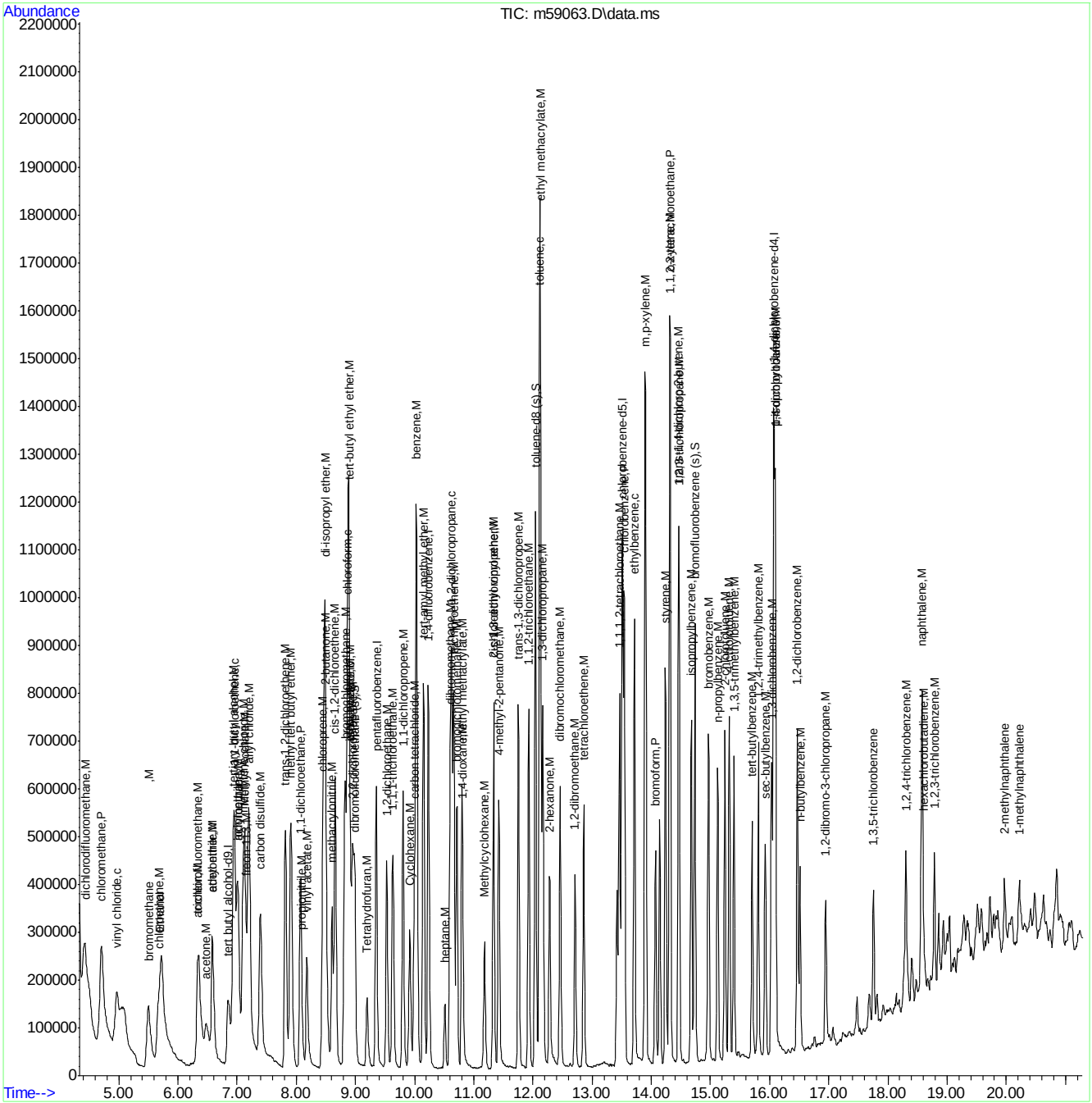
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	299905	9.72	ug/kg	98
94)	1,4-dichlorobenzene	16.099	146	338011	19.18	ug/kg	97
95)	1,2-dichlorobenzene	16.469	146	336561	20.73	ug/kg	98
96)	n-butylbenzene	16.516	91	232347	7.72	ug/kg	94
97)	1,2-dibromo-3-chloropr...	16.947	75	69135	47.28	ug/kg	80
98)	1,3,5-trichlorobenzene	17.756	180	98069	9.23	ug/kg	99
99)	1,2,4-trichlorobenzene	18.308	180	109605	11.08	ug/kg	91
100)	hexachlorobutadiene	18.598	225	26157	5.05	ug/kg	96
101)	naphthalene	18.577	128	570164	21.47	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	104814	11.01	ug/kg	96
103)	2-methylnaphthalene	19.972	142	70420	5.14	ug/kg	95
104)	1-methylnaphthalene	20.221	TIC	597627	12.42	ug/kg#	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59063.D
Acq On : 9 Sep 2013 5:13 pm
Operator : krystend
Sample : mc24064-1ms
Misc : MS29844,MSM2039,5.178,,,5,1
ALS Vial : 19 Sample Multiplier: 1

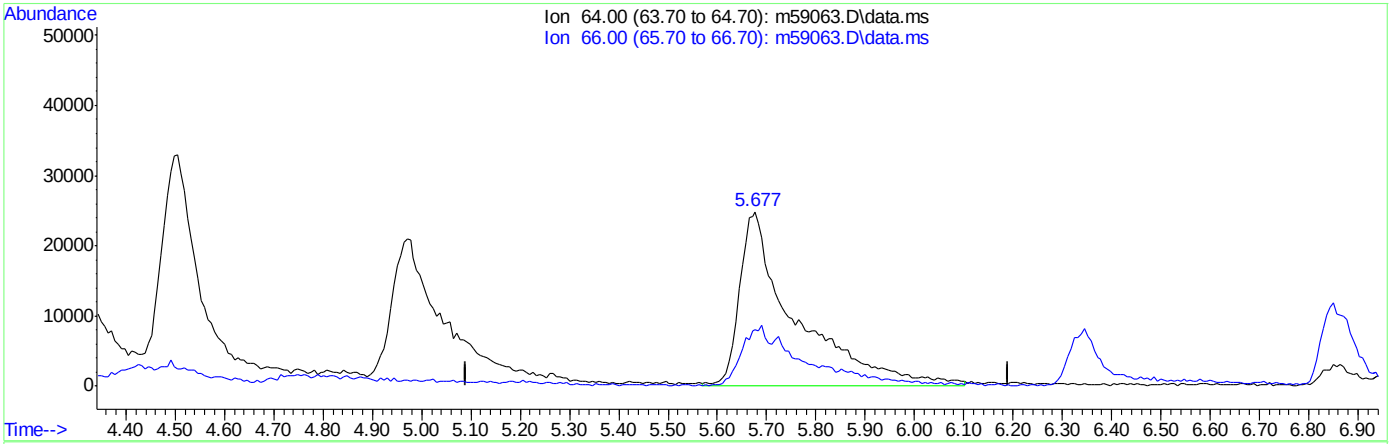
Quant Time: Sep 10 08:44:35 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

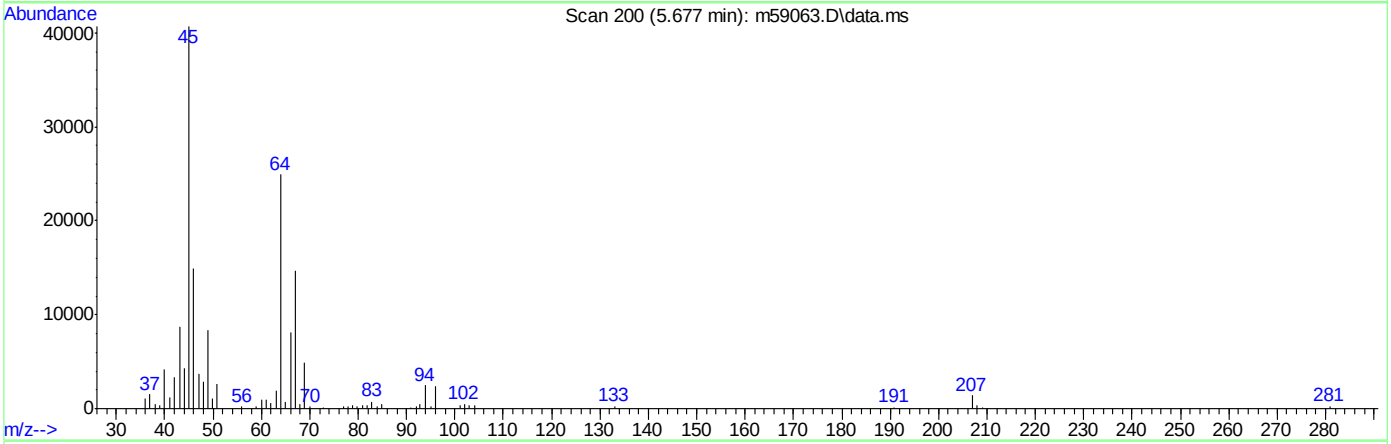


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59063.D
Acq On : 9 Sep 2013 5:13 pm
Operator : krystend
Sample : mc24064-1ms
Misc : MS29844,MSM2039,5.178,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 10 08:44:14 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59063.D\data.ms

(9) chloroethane (M)

5.677min (+0.006) 50.88ug/kg m

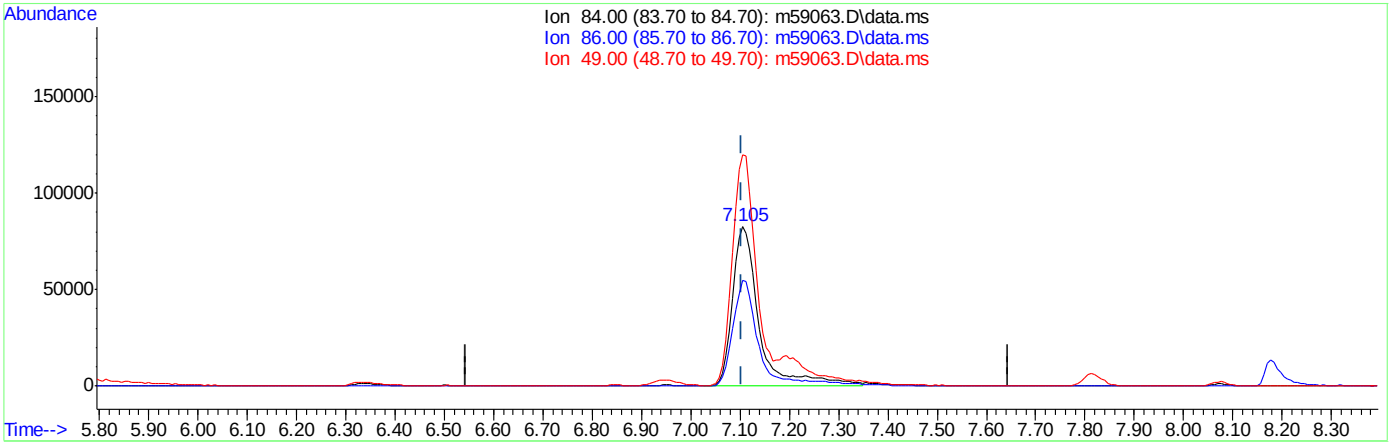
response 198947

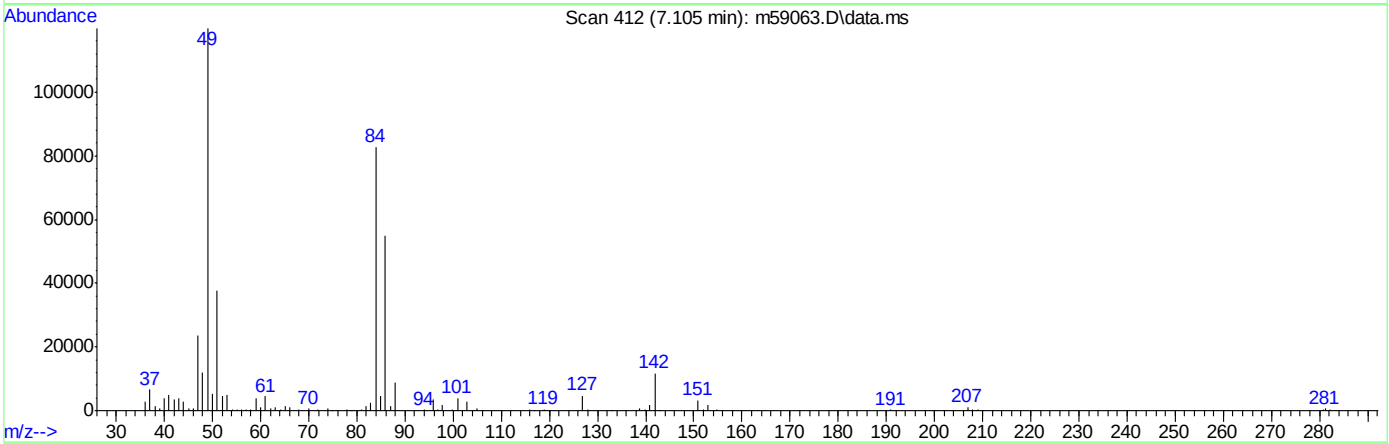
Ion	Exp%	Act%
64.00	100	100
66.00	31.60	32.60
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59063.D
Acq On : 9 Sep 2013 5:13 pm
Operator : krystend
Sample : mc24064-1ms
Misc : MS29844,MSM2039,5.178,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 10 08:44:14 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59063.D\data.ms

(18) methylene chloride (M)

7.105min (+0.000) 46.69ug/kg m

response 310446

Ion	Exp%	Act%
84.00	100	100
86.00	67.20	66.20
49.00	155.70	144.87
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/10/13 11:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59064.D
Acq On : 9 Sep 2013 5:43 pm
Operator : krystend
Sample : mc24064-1msd
Misc : MS29844,MSM2039,5.594,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 10 08:45:12 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	363960	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	472479	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	769630	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	355283	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	425569	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	239640	39.62	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 79.24%			
59) toluene-d8 (s)	12.043	98	857982	42.25	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.50%			
81) bromofluorobenzene (s)	14.738	95	336413	40.70	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 81.40%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	560592	573.95	ug/kg	94
3) Ethanol	5.697	45	436842	4537.69	ug/kg	99
5) dichlorodifluoromethane	4.424	85	272379	40.88	ug/kg	96
6) chloromethane	4.694	50	494431	47.80	ug/kg	100
7) vinyl chloride	4.956	62	409886	34.02	ug/kg	97
8) bromomethane ...	5.495	96	243704	44.20	ug/kg	96
9) chloroethane	5.677	64	183107	47.28	ug/kg	97
10) ethyl ether	6.580	59	226587	49.90	ug/kg	92
11) acetonitrile	6.580	41	64478	46.62	ug/kg	88
12) trichlorofluoromethane	6.331	101	443817m	45.74	ug/kg	
13) freon-113	7.146	101	227928	45.26	ug/kg	87
14) acrolein	6.331	56	116387	335.65	ug/kg	97
15) 1,1-dichloroethene	6.944	96	275439	49.79	ug/kg	89
16) acetone	6.465	58	55925	53.61	ug/kg#	58
17) Methyl Acetate	7.126	43	278678	36.55	ug/kg	98
18) methylene chloride	7.099	84	312035m	47.38	ug/kg	
19) methyl tert butyl ether	7.907	73	720172	51.00	ug/kg	98
20) acrylonitrile	6.998	53	135687	58.29	ug/kg	92
21) allyl chloride	7.193	41	456033	41.69	ug/kg	99
22) trans-1,2-dichloroethene	7.813	96	308695	48.35	ug/kg	93
23) iodomethane	7.011	142	573226	54.77	ug/kg	96
24) carbon disulfide	7.388	76	881058	47.41	ug/kg	100
25) propionitrile	8.089	54	50365	64.85	ug/kg	100
26) vinyl acetate	8.176	43	418495	31.56	ug/kg	97
27) chloroprene	8.446	53	403005	41.84	ug/kg	94
28) di-isopropyl ether	8.486	45	976129	42.27	ug/kg	98
29) methacrylonitrile	8.601	41	211860	54.36	ug/kg	97
30) 2-butanone	8.493	72	48272	45.16	ug/kg	96
31) 1,1-dichloroethane	8.069	63	513684	49.83	ug/kg	97
32) tert-butyl ethyl ether	8.890	59	822319	48.06	ug/kg	99
33) isobutyl alcohol	8.904	43	252202	292.24	ug/kg#	67
34) 2,2-dichloropropane	8.951	77	339349	48.96	ug/kg	97
35) cis-1,2-dichloroethene	8.655	96	332769	46.28	ug/kg	93
36) ethyl acetate	8.904	43	243402	55.88	ug/kg	79

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59064.D
Acq On : 9 Sep 2013 5:43 pm
Operator : krystend
Sample : mc24064-1msd
Misc : MS29844,MSM2039,5.594,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 10 08:45:12 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	188396	58.56	ug/kg#	83
38) chloroform	8.864	83	518914	48.50	ug/kg	96
40) Tetrahydrofuran	9.194	42	123429	54.61	ug/kg	99
41) 1,1,1-trichloroethane	9.632	97	424276	48.75	ug/kg	95
43) Cyclohexane	9.914	56	342397	36.06	ug/kg	99
44) carbon tetrachloride	10.002	117	394638	50.18	ug/kg	97
45) 1,1-dichloropropene	9.800	75	351459	44.51	ug/kg	96
46) benzene	10.029	78	1113864	45.05	ug/kg	100
47) 1,2-dichloroethane	9.524	62	383043	49.09	ug/kg	94
48) tert-amyl methyl ether	10.150	73	681252	51.07	ug/kg	96
49) heptane	10.507	43	334980	31.97	ug/kg	100
50) trichloroethene	10.655	95	285828	43.66	ug/kg	93
51) 1,2-dichloropropane	10.622	63	290993	45.37	ug/kg	99
52) dibromomethane	10.602	93	201808	57.35	ug/kg	86
53) bromodichloromethane	10.716	83	401164	49.38	ug/kg	99
54) Methylcyclohexane	11.181	83	369981	37.00	ug/kg	95
55) 2-chloroethyl vinyl ether	11.181	63	4086	1.59	ug/kg#	1
56) methyl methacrylate	10.804	69	231264	65.60	ug/kg	87
57) 1,4-dioxane	10.804	88	24010	446.74	ug/kg	83
58) cis-1,3-dichloropropene	11.336	75	434497	44.71	ug/kg	92
60) 4-methyl-2-pentanone	11.423	43	456437	65.39	ug/kg	96
61) toluene	12.117	92	678547	44.61	ug/kg	95
62) trans-1,3-dichloropropene	11.753	75	401169	49.92	ug/kg	90
63) 1,1,2-trichloroethane	11.929	83	231850	53.78	ug/kg	96
64) ethyl methacrylate	12.124	69	414171	55.66	ug/kg	96
66) tetrachloroethene	12.858	166	279899	49.35	ug/kg	98
67) 1,3-dichloropropane	12.164	76	420109	50.83	ug/kg	99
68) dibromochloromethane	12.461	129	365160	58.35	ug/kg	95
69) 1,2-dibromoethane	12.710	107	312910	58.90	ug/kg	98
70) 2-hexanone	12.279	43	340490	52.02	ug/kg	94
71) chlorobenzene	13.539	112	779586	44.59	ug/kg	95
72) 1,1,1,2-tetrachloroethane	13.464	131	322757	53.16	ug/kg	95
73) ethylbenzene	13.714	91	1131963	40.02	ug/kg	96
74) m,p-xylene	13.902	106	926435	78.00	ug/kg	95
75) o-xylene	14.313	106	464772	39.28	ug/kg	92
76) styrene	14.239	104	708222	39.60	ug/kg	98
77) bromoform	14.071	173	260200	71.08	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.461	53	111093	50.85	ug/kg#	81
80) isopropylbenzene	14.677	105	1114578	30.94	ug/kg	96
82) bromobenzene	14.967	156	338534	39.83	ug/kg	89
83) 1,1,2,2-tetrachloroethane	14.320	83	414549	46.66	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	447817	50.05	ug/kg	99
85) n-propylbenzene	15.122	91	1192659	28.59	ug/kg	92
86) 2-chlorotoluene	15.243	91	722514	29.48	ug/kg	93
87) 4-chlorotoluene	15.317	91	749319	30.69	ug/kg	93
88) 1,3,5-trimethylbenzene	15.398	105	885748	29.05	ug/kg	95
89) tert-butylbenzene	15.708	91	466482	27.53	ug/kg	84
90) 1,2,4-trimethylbenzene	15.809	105	883021	29.47	ug/kg	97
91) sec-butylbenzene	15.930	105	1154619	28.01	ug/kg	94
92) 1,3-dichlorobenzene	16.038	146	563312	31.55	ug/kg	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59064.D
Acq On : 9 Sep 2013 5:43 pm
Operator : krystend
Sample : mc24064-1msd
Misc : MS29844,MSM2039,5.594,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 10 08:45:12 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

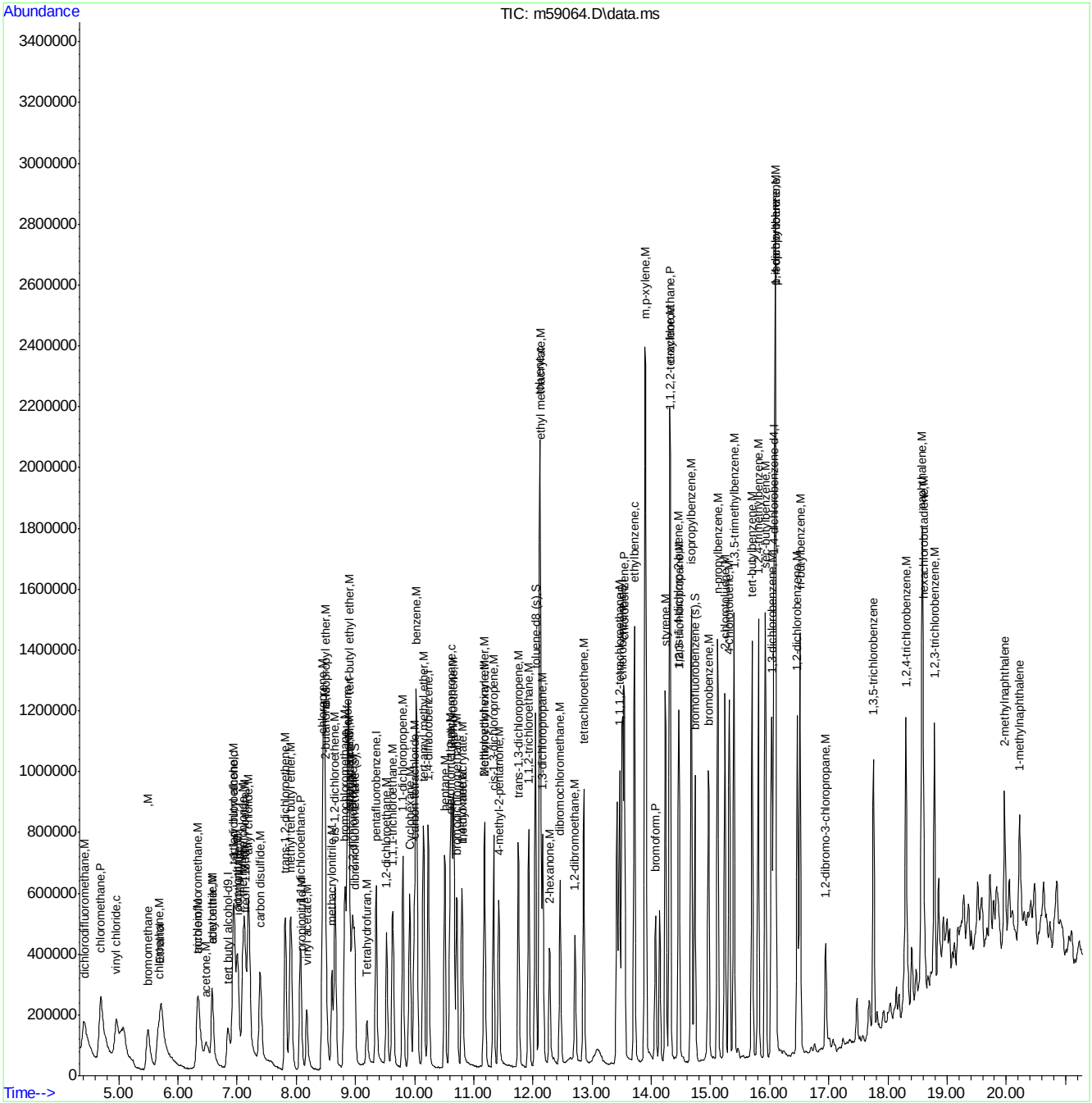
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.098	119	978827	29.67	ug/kg	96
94) 1,4-dichlorobenzene	16.098	146	598628	31.75	ug/kg	98
95) 1,2-dichlorobenzene	16.469	146	565497	32.57	ug/kg	98
96) n-butylbenzene	16.516	91	838855	26.06	ug/kg	93
97) 1,2-dibromo-3-chloropr...	16.947	75	83123	53.85	ug/kg	82
98) 1,3,5-trichlorobenzene	17.756	180	323430	28.47	ug/kg	99
99) 1,2,4-trichlorobenzene	18.308	180	337214	31.87	ug/kg	99
100) hexachlorobutadiene	18.598	225	175343	31.62	ug/kg	97
101) naphthalene	18.577	128	1165141	41.02	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	320843	31.51	ug/kg	97
103) 2-methylnaphthalene	19.972	142	281285	19.20	ug/kg	97
104) 1-methylnaphthalene	20.228	TIC	1631201	35.56	ug/kg#	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59064.D
Acq On : 9 Sep 2013 5:43 pm
Operator : krystend
Sample : mc24064-1msd
Misc : MS29844,MSM2039,5.594,,,5,1
ALS Vial : 20 Sample Multiplier: 1

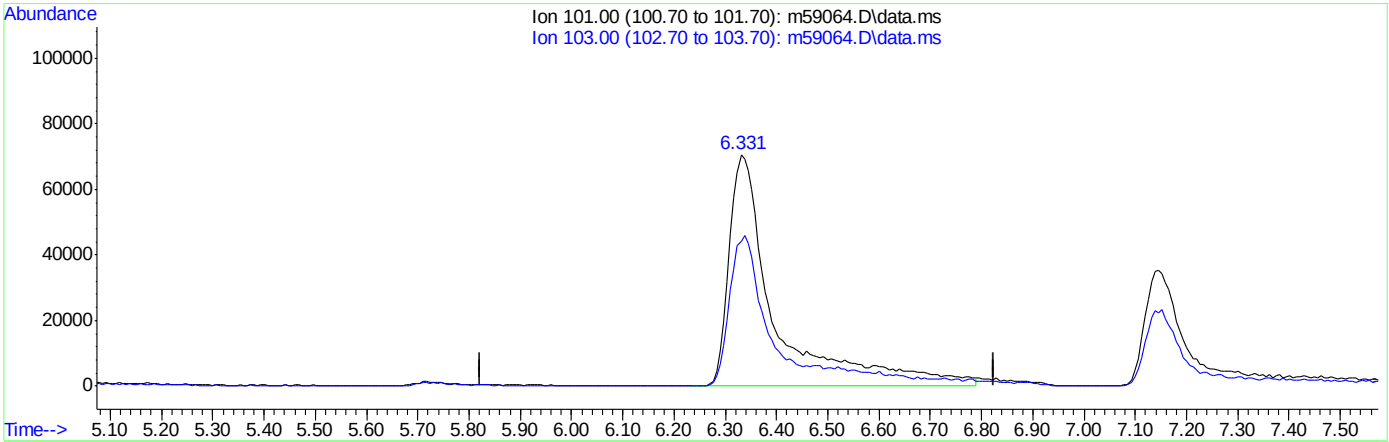
Quant Time: Sep 10 08:45:12 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

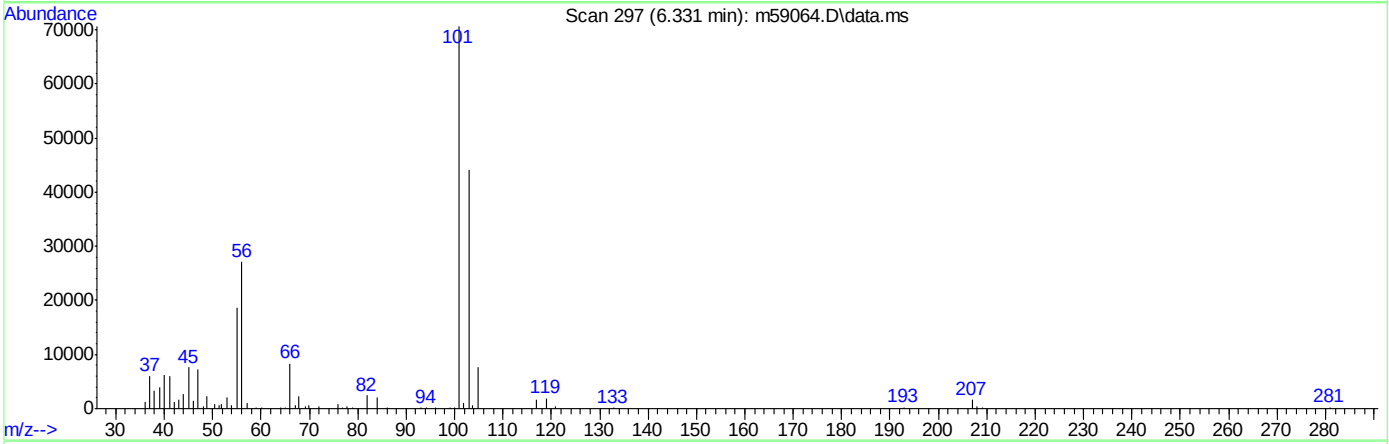


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59064.D
Acq On : 9 Sep 2013 5:43 pm
Operator : krystend
Sample : mc24064-1msd
Misc : MS29844,MSM2039,5.594,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 10 08:44:53 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59064.D\data.ms

(12) trichlorofluoromethane (M)

6.331min (-0.013) 45.74ug/kg m

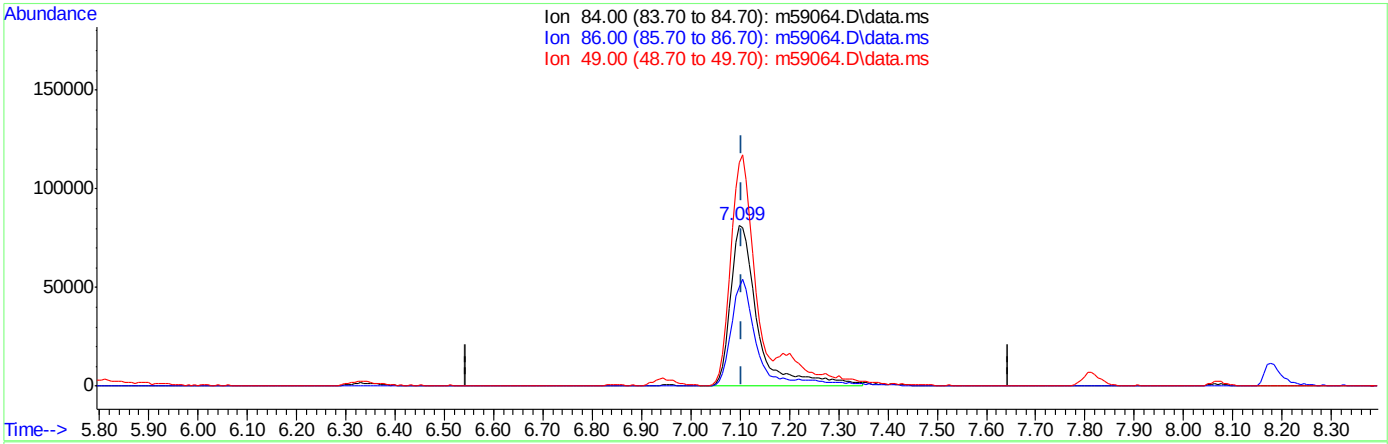
response 443817

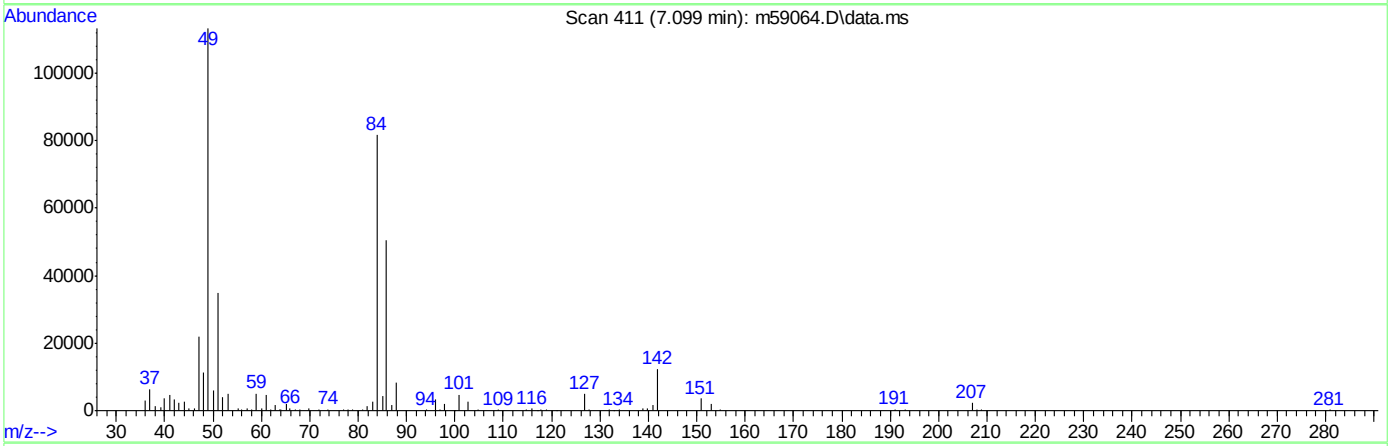
Ion	Exp%	Act%
101.00	100	100
103.00	62.50	62.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59064.D
Acq On : 9 Sep 2013 5:43 pm
Operator : krystend
Sample : mc24064-1msd
Misc : MS29844,MSM2039,5.594,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 10 08:44:53 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59064.D\data.ms

(18) methylene chloride (M)

7.099min (-0.006) 47.38ug/kg m

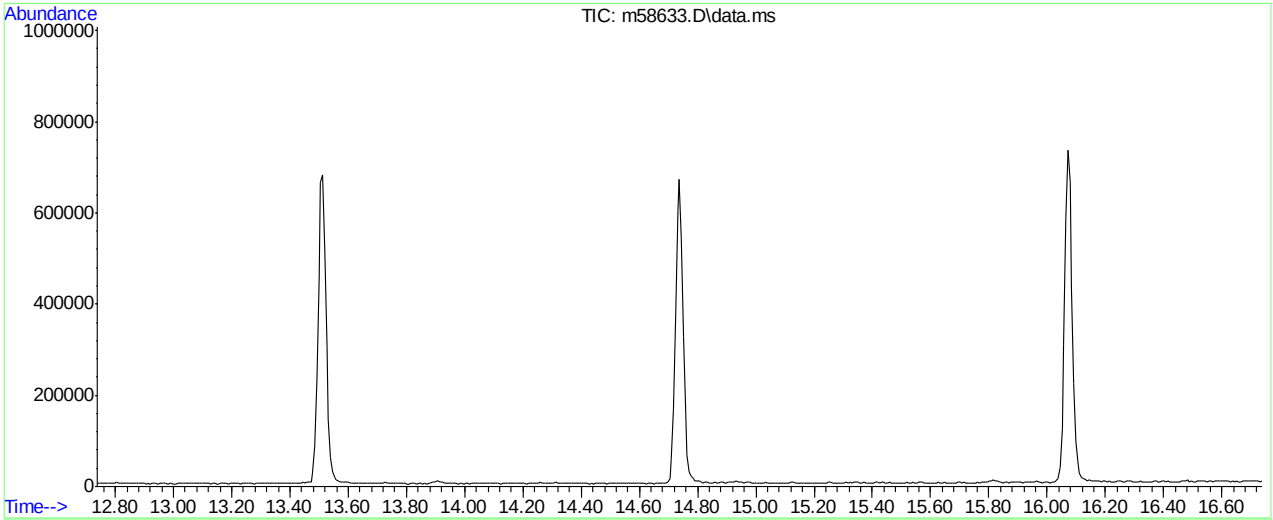
response 312035

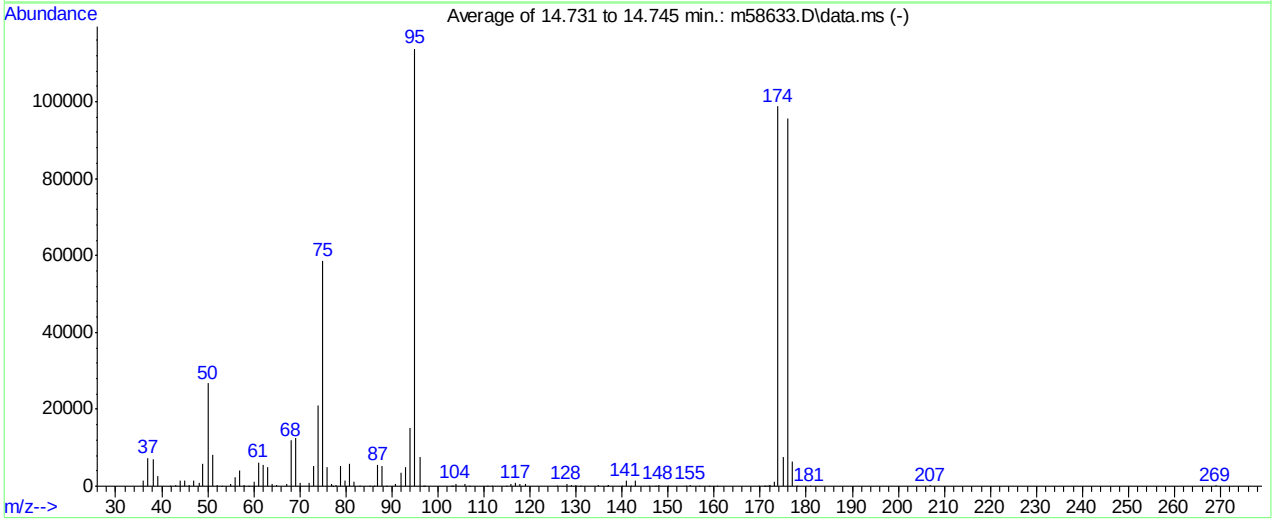
Ion	Exp%	Act%
84.00	100	100
86.00	67.20	61.87
49.00	155.70	138.85
0.00	0.00	0.00

BFB

Data File : C:\msdchem\1\data\M130821.S\m58633.D Vial: 9
Acq On : 21 Aug 2013 12:54 pm Operator: krystend
Sample : bfb Inst : GCMS M
Misc : MS29707,MSM2022,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Average of 14.731 to 14.745 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.5	26707	PASS
75	95	30	60	51.4	58531	PASS
95	95	100	100	100.0	113843	PASS
96	95	5	9	6.7	7658	PASS
173	174	0.00	2	1.1	1127	PASS
174	95	50	150	86.7	98749	PASS
175	174	5	9	7.6	7472	PASS
176	174	95	101	96.7	95533	PASS
177	176	5	9	6.6	6321	PASS

m58633.D M130821S.M Thu Aug 22 09:41:59 2013

Average of 14.731 to 14.745 min.: m58633.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1525	49.00	5971	61.00	6136	74.00	21045
37.00	7395	50.00	26707	62.00	5630	75.00	58531
38.05	6945	51.00	8047	63.00	4877	76.00	5081
39.05	2577	52.05	360	64.05	642	76.85	629
41.90	67	53.00	53	65.05	250	77.20	152
43.10	178	54.90	480	67.05	509	77.95	257
44.00	1515	56.00	2310	68.00	11929	78.90	5317
45.00	1359	57.00	4195	69.00	12403	79.85	1337
46.05	186	58.00	293	69.95	888	80.90	5713
47.00	1543	58.80	68	72.00	751	81.85	1138
48.05	896	60.00	1227	73.00	5363	82.95	120

Average of 14.731 to 14.745 min.: m58633.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.20	66	96.80	88	116.85	744	139.90	52
86.10	69	97.00	123	117.85	545	140.90	1413
86.90	5503	102.90	62	118.90	651	141.85	126
87.90	5181	103.10	57	125.80	51	142.85	1361
88.80	64	103.90	672	127.90	559	145.90	126
90.85	624	105.90	666	128.90	291	147.30	81
91.95	3514	106.90	134	129.85	406	147.90	305
93.00	4836	110.80	60	130.90	54	149.85	147
94.00	15037	111.80	52	134.90	335	153.80	59
95.00	113843	114.90	53	136.70	58	154.85	297
96.00	7658	115.95	523	136.95	239	156.80	154

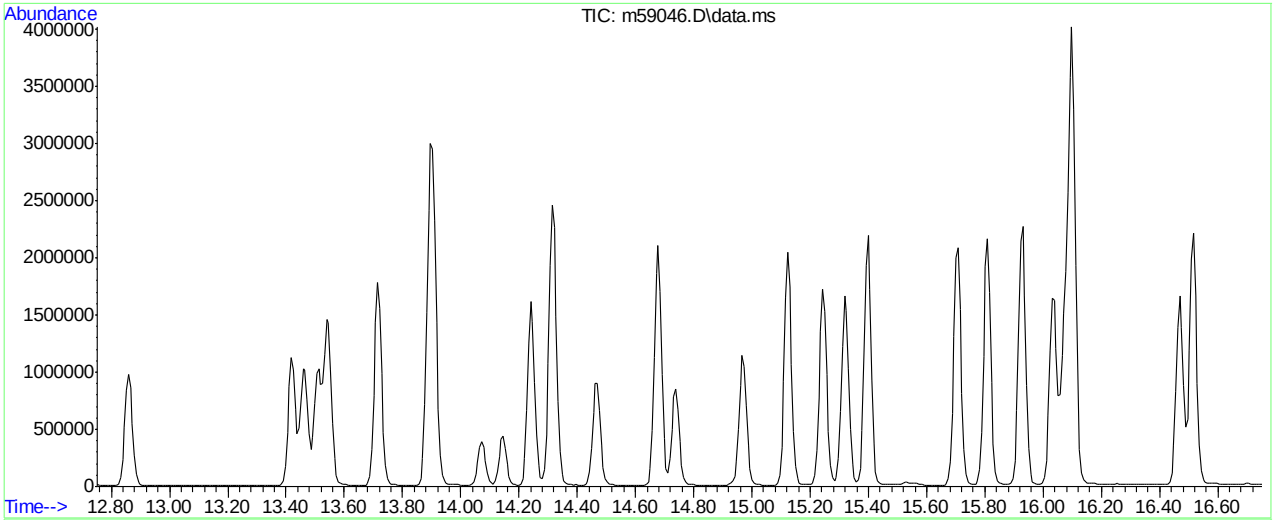
Average of 14.731 to 14.745 min.: m58633.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
159.00	51	175.90	95533				
160.75	123	176.90	6321				
169.70	51	177.95	115				
170.80	64	180.80	57				
171.10	73	207.00	161				
171.70	144	269.00	190				
172.00	167						
172.20	127						
173.00	1127						
173.90	98749						
174.90	7472						

BFB

Data File : C:\msdchem\1\data\M130909.S\m59046.D Vial: 2
Acq On : 9 Sep 2013 8:51 am Operator: krystend
Sample : bfb Inst : GCMS M
Misc : MS29833,MSM2039,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130821S.M (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 1547

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.5	11514	PASS
75	95	30	60	42.8	29809	PASS
95	95	100	100	100.0	69638	PASS
96	95	5	9	6.3	4409	PASS
173	174	0.00	2	1.2	968	PASS
174	95	50	150	113.7	79162	PASS
175	174	5	9	7.0	5560	PASS
176	174	95	101	97.3	77056	PASS
177	176	5	9	5.6	4307	PASS

m59046.D M130821S.M Mon Sep 09 15:38:20 2013

Scan 1547 (14.751 min): m59046.D\data.ms (-1553)
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	689	50.00	11514	65.00	202	78.10	540
37.10	3845	51.00	3645	67.00	364	78.90	2285
38.00	2852	52.10	240	68.00	6312	80.00	629
39.00	1402	55.90	1292	69.00	6703	80.90	2414
42.90	195	57.00	1797	69.90	418	82.00	485
43.10	188	60.10	459	72.10	271	87.00	2878
44.00	576	61.00	3335	73.00	2575	88.00	3087
45.00	815	62.00	2947	74.00	10250	89.20	152
47.00	647	63.00	2360	75.00	29809	91.00	443
48.00	239	63.90	216	76.00	2363	92.00	2175
49.00	2648	64.20	206	77.00	458	93.00	3230

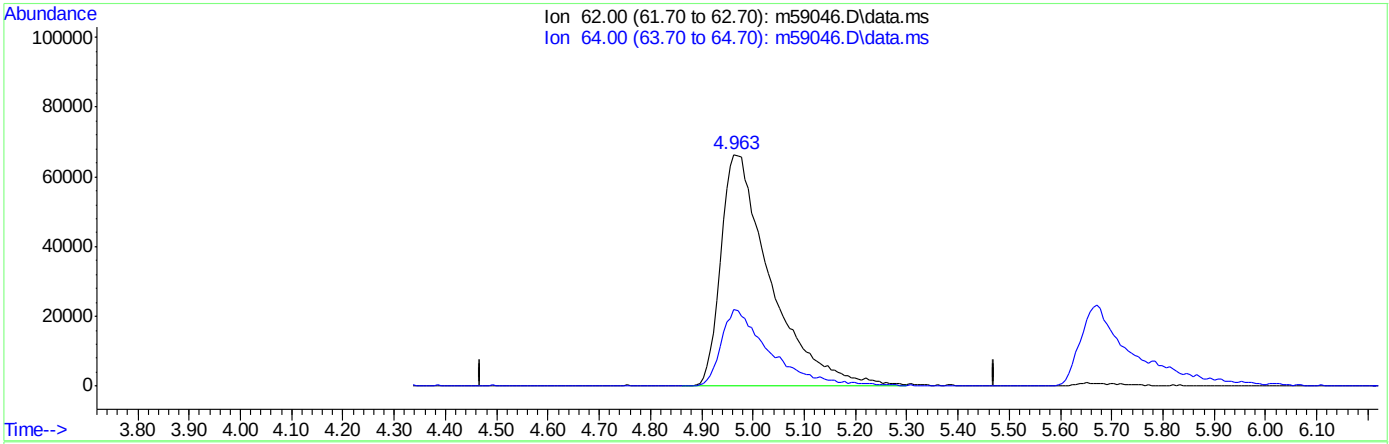
Scan 1547 (14.751 min): m59046.D\data.ms (-1553)
bfb
Modified:subtracted

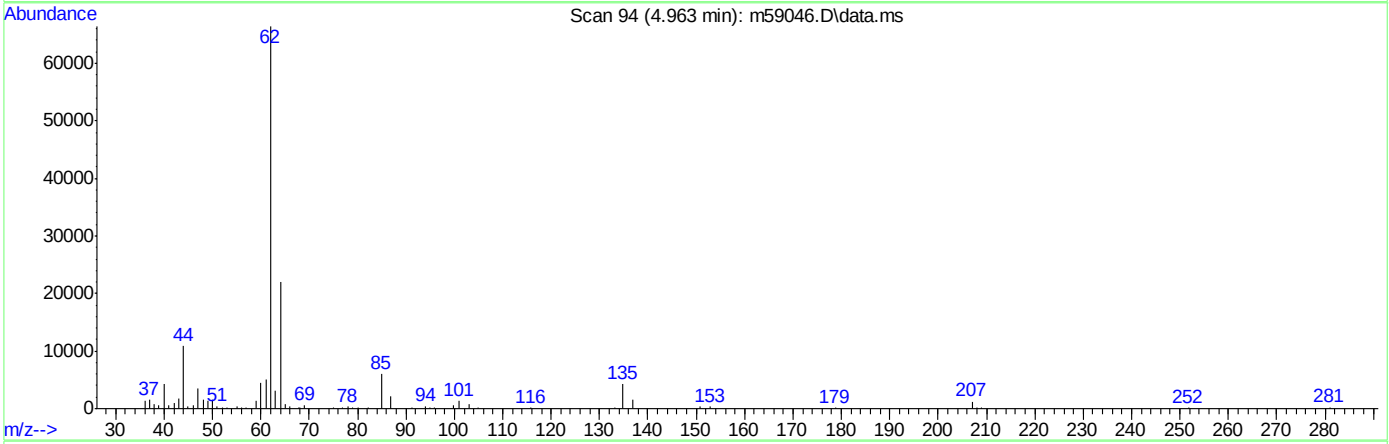
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	7789	116.80	585	155.10	247	207.90	245
95.00	69638	118.00	365	156.90	195	266.90	218
96.00	4409	118.90	488	158.80	186	269.00	79
96.90	215	119.90	124	170.50	159		
102.80	251	127.80	293	171.90	279		
103.95	297	129.70	351	172.90	968		
105.00	942	135.00	355	173.90	79162		
105.90	515	141.00	970	174.90	5560		
110.80	177	142.80	703	175.90	77056		
115.00	257	147.80	300	176.90	4307		
115.90	394	148.90	160	177.90	200		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59046.D
Acq On : 9 Sep 2013 8:51 am
Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:29:40 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59046.D\data.ms

(7) vinyl chloride (c)

4.963min (-0.007) 44.23ug/kg m

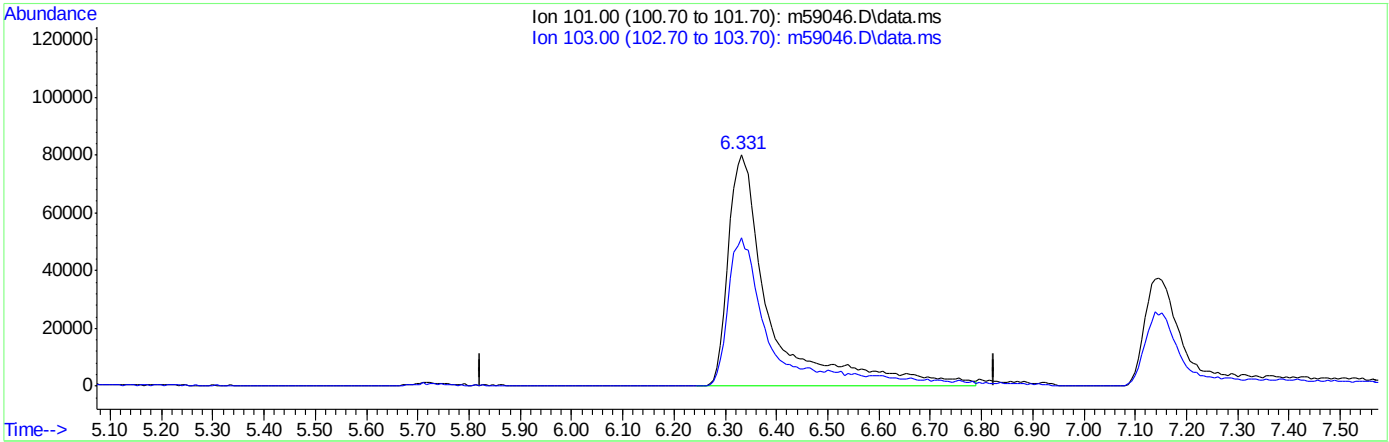
response 447392

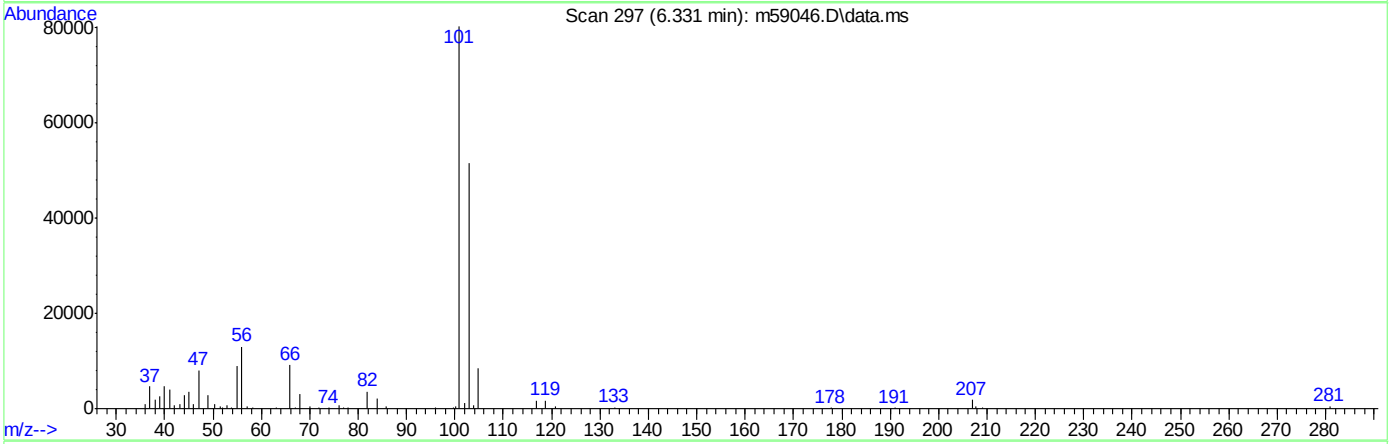
Ion	Exp%	Act%
62.00	100	100
64.00	29.50	33.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59046.D
Acq On : 9 Sep 2013 8:51 am
Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:29:40 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59046.D\data.ms

(12) trichlorofluoromethane (M)

6.331min (-0.013) 56.23ug/kg m

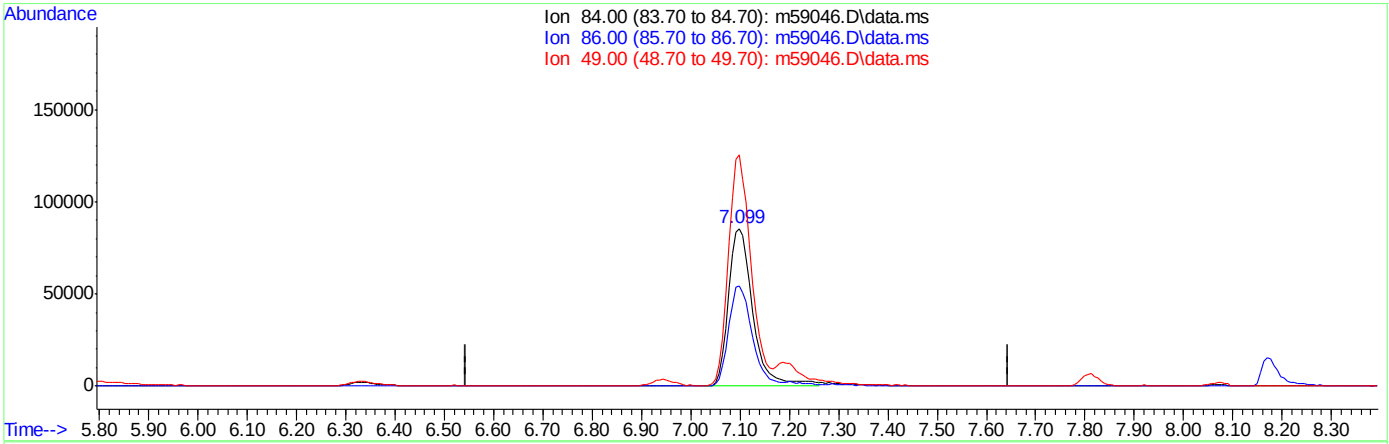
response 458088

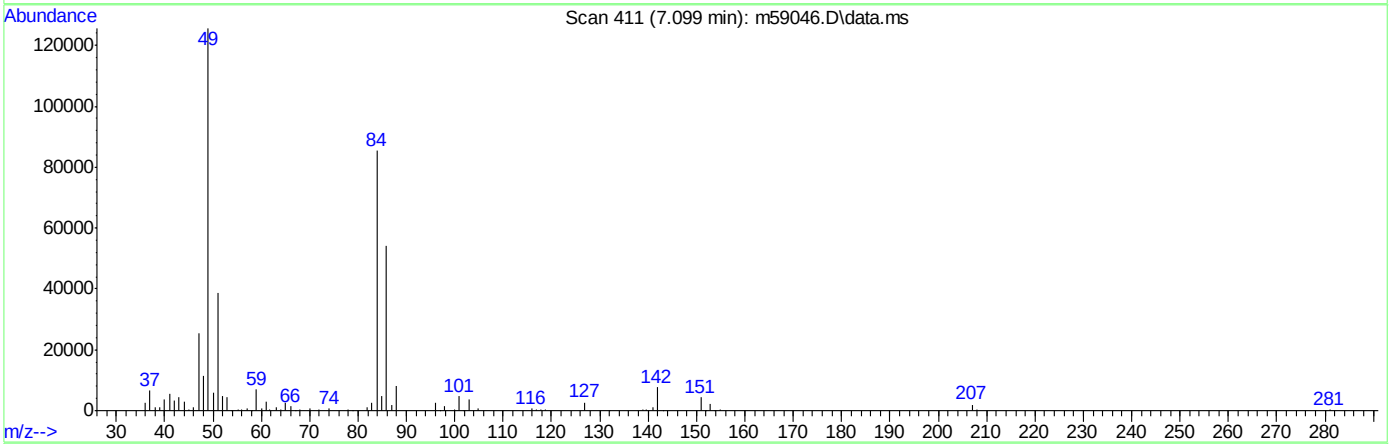
Ion	Exp%	Act%
101.00	100	100
103.00	62.50	64.25
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59046.D
Acq On : 9 Sep 2013 8:51 am
Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:29:40 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59046.D\data.ms

(18) methylene chloride (M)

7.099min (-0.006) 52.70ug/kg m

response 291450

Ion	Exp%	Act%
84.00	100	100
86.00	67.20	63.51
49.00	155.70	147.02
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58636.D
Acq On : 21 Aug 2013 2:37 pm
Operator : krystend
Sample : IC2022-0.5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 08:23:35 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:22:00 2013
Response via : Initial Calibration

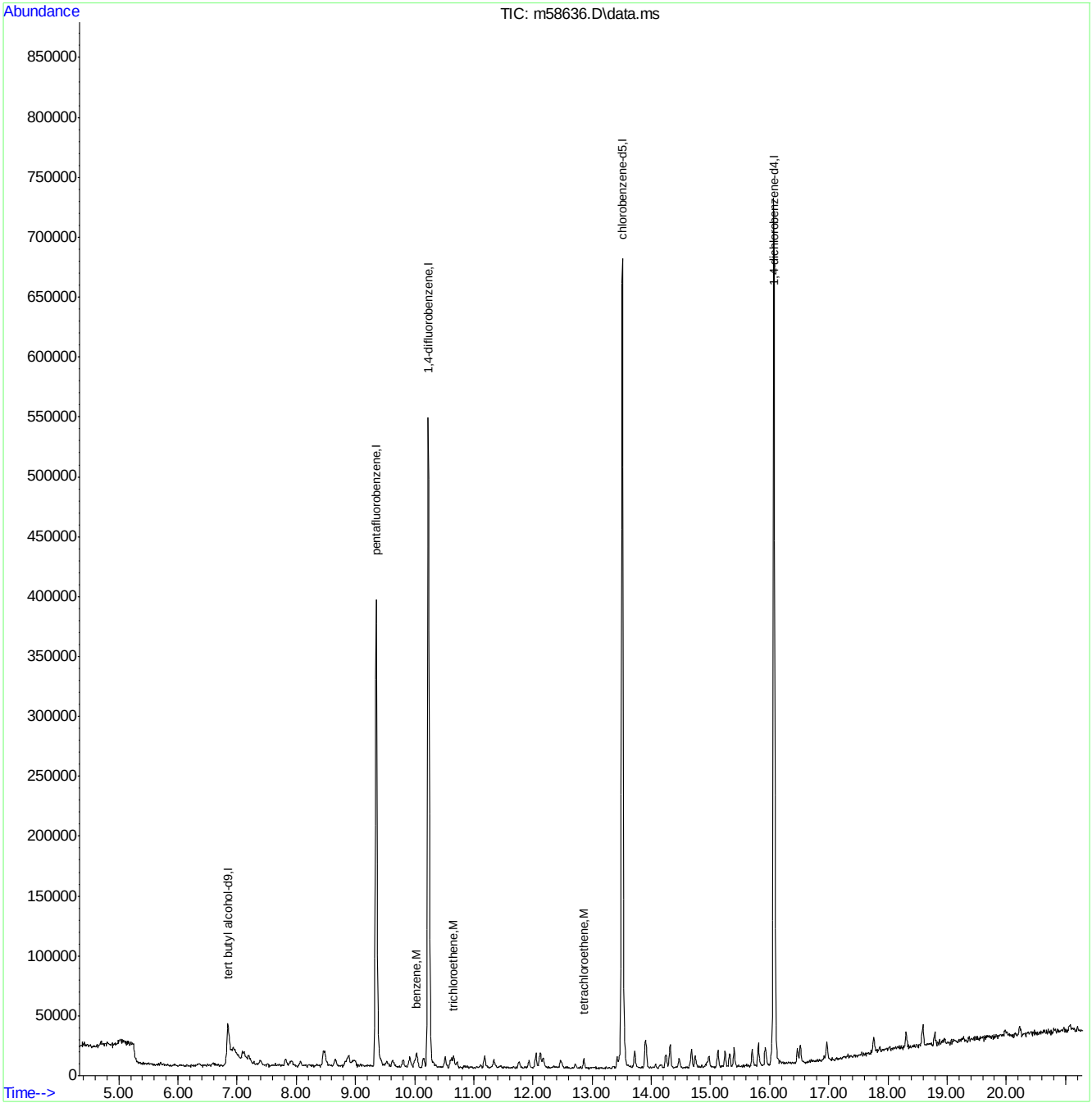
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	125230	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	290511	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	487688	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	208561	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	204058	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	0.000	113	0d	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
59) toluene-d8 (s)	0.000	98	0d	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
81) bromofluorobenzene (s)	0.000	95	0d	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
46) benzene	10.036	78	10302	0.65	ug/kg	90
50) trichloroethene	10.655	95	2530	0.60	ug/kg	88
66) tetrachloroethene	12.858	166	2213	0.63	ug/kg	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58636.D
Acq On : 21 Aug 2013 2:37 pm
Operator : krystend
Sample : IC2022-0.5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 08:23:35 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:22:00 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES
MC24064

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58637.D
Acq On : 21 Aug 2013 3:07 pm
Operator : krystend
Sample : IC2022-2
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 22 08:25:58 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:23:52 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.850	65	128874	500.00	ug/kg	0.00
4) pentafluorobenzene		9.355	168	301077	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	500343	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	210938	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	210898	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	7945	1.92	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	3.84%#		
59) toluene-d8 (s)		12.043	98	26163	1.85	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	3.70%#		
81) bromofluorobenzene (s)		14.738	95	8168	1.78	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	3.56%#		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.937	59	7658	19.65	ug/kg	70
3) Ethanol		5.651	45	3096	79.72	ug/kg#	39
5) dichlorodifluoromethane		4.445	85	9161	1.90	ug/kg	99
6) chloromethane		4.701	50	14972	2.11	ug/kg	87
7) vinyl chloride		4.984	62	16403	2.07	ug/kg	80
8) bromomethane	...	5.516	96	7998	2.35	ug/kg#	70
9) chloroethane		5.677	64	4226	1.61	ug/kg#	43
10) ethyl ether		6.607	59	5279	1.67	ug/kg	79
11) acetonitrile		6.614	41	2632	2.74	ug/kg#	38
12) trichlorofluoromethane		6.351	101	10186	1.49	ug/kg	92
13) freon-113		7.146	101	5465	1.48	ug/kg	97
15) 1,1-dichloroethene		6.951	96	6795	1.84	ug/kg#	82
17) Methyl Acetate		7.200	43	10617	1.85	ug/kg	93
18) methylene chloride		7.112	84	9404	2.28	ug/kg	92
19) methyl tert butyl ether		7.907	73	16694	1.65	ug/kg	91
21) allyl chloride		7.200	41	13894	1.93	ug/kg	94
22) trans-1,2-dichloroethene		7.826	96	8164	1.92	ug/kg	93
23) iodomethane		7.011	142	11710	1.63	ug/kg	92
24) carbon disulfide		7.388	76	22074	1.71	ug/kg	95
26) vinyl acetate		8.237	43	12058	1.21	ug/kg	81
27) chloroprene		8.446	53	11081	1.68	ug/kg	96
28) di-isopropyl ether		8.487	45	27298	1.71	ug/kg	83
29) methacrylonitrile		8.641	41	6176	2.25	ug/kg	76
31) 1,1-dichloroethane		8.082	63	12083	1.72	ug/kg	95
32) tert-butyl ethyl ether		8.884	59	18156	1.48	ug/kg	99
33) isobutyl alcohol		8.891	43	5165	9.07	ug/kg	77
34) 2,2-dichloropropane		8.951	77	8562	1.78	ug/kg	93
35) cis-1,2-dichloroethene		8.655	96	8346	1.75	ug/kg	94
36) ethyl acetate		8.891	43	5165	1.80	ug/kg	95
37) bromochloromethane		8.830	128	3731	1.72	ug/kg	86
38) chloroform		8.870	83	12568	1.72	ug/kg	95
40) Tetrahydrofuran		9.214	42	3904	2.63	ug/kg	73
41) 1,1,1-trichloroethane		9.638	97	10564	1.78	ug/kg	85
43) Cyclohexane		9.915	56	12233	1.82	ug/kg	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58637.D
Acq On : 21 Aug 2013 3:07 pm
Operator : krystend
Sample : IC2022-2
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 22 08:25:58 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:23:52 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	carbon tetrachloride	10.002	117	9279	1.75	ug/kg	98
45)	1,1-dichloropropene	9.814	75	9451	1.76	ug/kg	95
46)	benzene	10.036	78	28407	1.52	ug/kg	97
47)	1,2-dichloroethane	9.531	62	9457	1.68	ug/kg	99
48)	tert-amyl methyl ether	10.150	73	16924	1.77	ug/kg	92
49)	heptane	10.507	43	13200	1.78	ug/kg	95
50)	trichloroethene	10.669	95	7693	1.61	ug/kg	92
51)	1,2-dichloropropane	10.622	63	7565	1.70	ug/kg	93
52)	dibromomethane	10.602	93	4167	1.68	ug/kg	93
53)	bromodichloromethane	10.716	83	9180	1.59	ug/kg	84
54)	Methylcyclohexane	11.181	83	10913	1.52	ug/kg	85
55)	2-chloroethyl vinyl ether	11.100	63	2813	1.55	ug/kg#	47
56)	methyl methacrylate	10.824	69	3415	1.28	ug/kg#	78
58)	cis-1,3-dichloropropene	11.336	75	11165	1.64	ug/kg	90
60)	4-methyl-2-pentanone	11.437	43	8940	1.79	ug/kg#	82
61)	toluene	12.117	92	16606	1.61	ug/kg	96
62)	trans-1,3-dichloropropene	11.760	75	8720	1.54	ug/kg	92
63)	1,1,2-trichloroethane	11.929	83	5049	1.64	ug/kg	96
64)	ethyl methacrylate	12.138	69	7316	1.39	ug/kg	93
66)	tetrachloroethene	12.865	166	6304	1.57	ug/kg	92
67)	1,3-dichloropropane	12.171	76	9782	1.78	ug/kg	96
68)	dibromochloromethane	12.461	129	6880	1.62	ug/kg	91
69)	1,2-dibromoethane	12.717	107	6135	1.69	ug/kg	86
70)	2-hexanone	12.326	43	7816	1.81	ug/kg#	62
71)	chlorobenzene	13.546	112	19725	1.72	ug/kg	94
72)	1,1,1,2-tetrachloroethane	13.458	131	7194	1.82	ug/kg	90
73)	ethylbenzene	13.721	91	31475	1.68	ug/kg	96
74)	m,p-xylene	13.903	106	25645	3.30	ug/kg	90
75)	o-xylene	14.320	106	12426	1.61	ug/kg	83
76)	styrene	14.246	104	19320	1.66	ug/kg	87
77)	bromoform	14.071	173	3867	1.57	ug/kg	93
78)	trans-1,4-dichloro-2-b...	14.468	53	2739	1.79	ug/kg	89
80)	isopropylbenzene	14.677	105	32307	1.59	ug/kg	96
82)	bromobenzene	14.974	156	7465	1.60	ug/kg	95
83)	1,1,2,2-tetrachloroethane	14.320	83	8162	1.58	ug/kg	95
84)	1,2,3-trichloropropane	14.468	75	8063	1.52	ug/kg	97
85)	n-propylbenzene	15.129	91	37853	1.60	ug/kg	99
86)	2-chlorotoluene	15.243	91	22301	1.62	ug/kg	94
87)	4-chlorotoluene	15.324	91	22339	1.64	ug/kg	95
88)	1,3,5-trimethylbenzene	15.398	105	25624	1.46	ug/kg	91
89)	tert-butylbenzene	15.701	91	14863	1.55	ug/kg	88
90)	1,2,4-trimethylbenzene	15.809	105	25020	1.47	ug/kg	98
91)	sec-butylbenzene	15.923	105	34429	1.44	ug/kg	98
92)	1,3-dichlorobenzene	16.038	146	15816	1.63	ug/kg	97
93)	p-isopropyltoluene	16.099	119	27209	1.40	ug/kg	94
94)	1,4-dichlorobenzene	16.099	146	15890	1.48	ug/kg	93
95)	1,2-dichlorobenzene	16.469	146	14756	1.56	ug/kg	86
96)	n-butylbenzene	16.516	91	27362	1.44	ug/kg	98
97)	1,2-dibromo-3-chloropr...	16.954	75	1923m	2.10	ug/kg	
98)	1,3,5-trichlorobenzene	17.762	180	9882	1.55	ug/kg	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58637.D
Acq On : 21 Aug 2013 3:07 pm
Operator : krystend
Sample : IC2022-2
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 22 08:25:58 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:23:52 2013
Response via : Initial Calibration

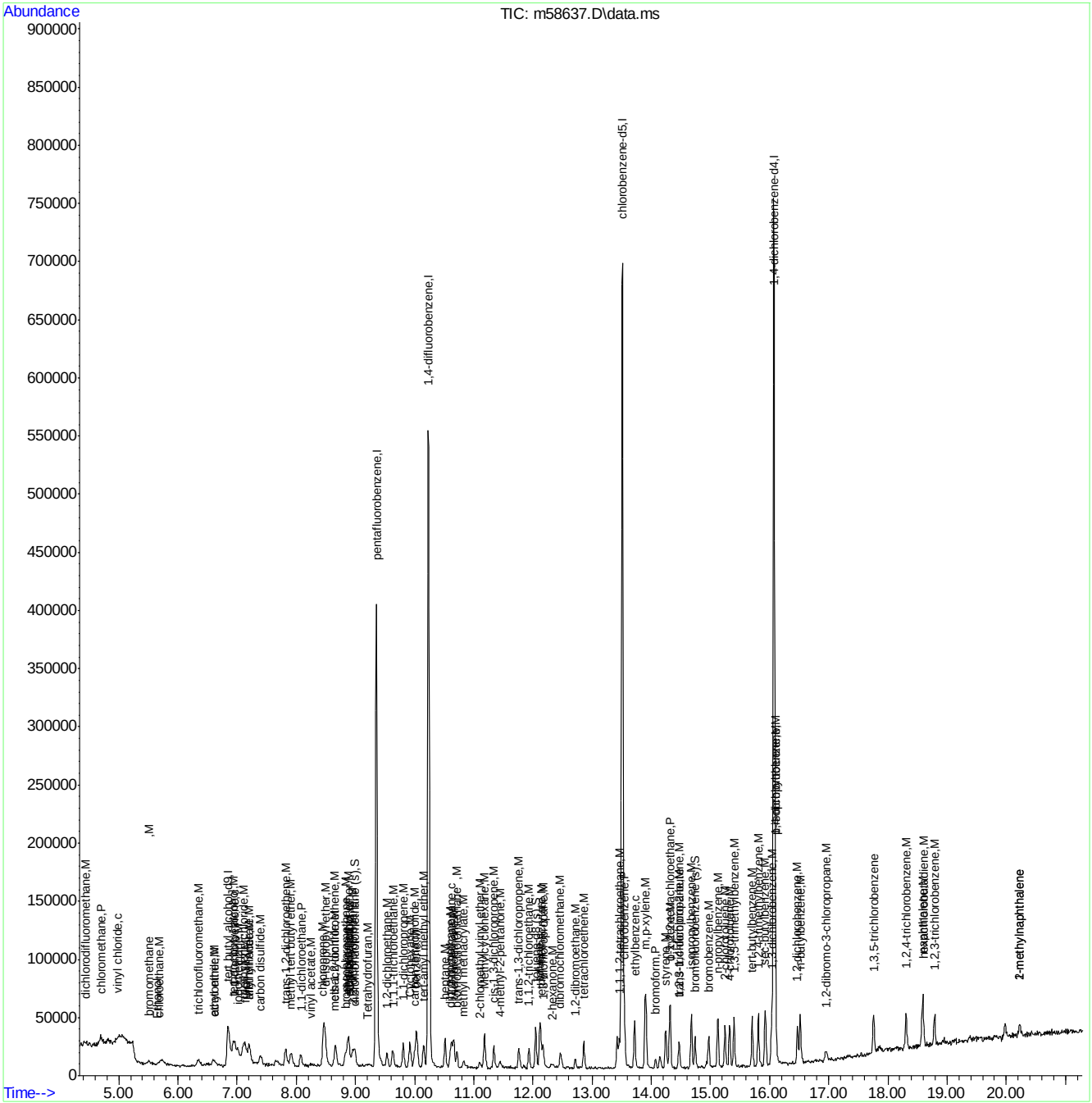
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99)	1,2,4-trichlorobenzene	18.308	180	9672	1.62	ug/kg	95
100)	hexachlorobutadiene	18.598	225	5037	1.64	ug/kg	79
101)	naphthalene	18.584	128	23533	1.48	ug/kg	100
102)	1,2,3-trichlorobenzene	18.793	180	9284	1.63	ug/kg	89
103)	2-methylnaphthalene	20.228	142	6495	0.77	ug/kg	98
104)	1-methylnaphthalene	20.228	TIC	106621	4.07	ug/kg#	62

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58637.D
Acq On : 21 Aug 2013 3:07 pm
Operator : krystend
Sample : IC2022-2
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 22 08:25:58 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:23:52 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58638.D
Acq On : 21 Aug 2013 3:36 pm
Operator : krystend
Sample : IC2022-5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 08:27:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:26:07 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	141836	500.00	ug/kg	0.00
4) pentafluorobenzene		9.355	168	299025	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	503895	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	216391	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	209821	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	20213	5.26	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	10.52%#		
59) toluene-d8 (s)		12.043	98	65377	4.99	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	9.98%#		
81) bromofluorobenzene (s)		14.738	95	22664	5.48	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	10.96%#		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.944	59	18874	44.39	ug/kg	78
3) Ethanol		5.650	45	7974	266.78	ug/kg#	84
5) dichlorodifluoromethane		4.424	85	19092	4.08	ug/kg	98
6) chloromethane		4.694	50	32374	4.47	ug/kg	94
7) vinyl chloride		4.984	62	38445	4.80	ug/kg	93
8) bromomethane	...	5.496	96	17517	4.77	ug/kg	90
9) chloroethane		5.691	64	12817	5.44	ug/kg	99
10) ethyl ether		6.587	59	13312	4.62	ug/kg	94
11) acetonitrile		6.594	41	4257	3.77	ug/kg	95
12) trichlorofluoromethane		6.338	101	33848	5.72	ug/kg	95
13) freon-113		7.139	101	15114	4.73	ug/kg	92
14) acrolein		6.412	56	4333	16.20	ug/kg	95
15) 1,1-dichloroethene		6.951	96	16905	4.80	ug/kg	83
16) acetone		6.614	58	2391	2.48	ug/kg#	28
17) Methyl Acetate		7.173	43	18399	3.35	ug/kg	83
18) methylene chloride		7.112	84	21395	4.88	ug/kg	86
19) methyl tert butyl ether		7.914	73	44190	4.82	ug/kg	98
20) acrylonitrile		7.106	53	6802	3.98	ug/kg	99
21) allyl chloride		7.193	41	34964	4.98	ug/kg	92
22) trans-1,2-dichloroethene		7.813	96	21634	5.23	ug/kg	95
23) iodomethane		7.018	142	30401	4.70	ug/kg	99
24) carbon disulfide		7.395	76	52813	4.44	ug/kg	99
25) propionitrile		8.204	54	2168m	3.95	ug/kg	
26) vinyl acetate		8.210	43	31863	4.02	ug/kg	100
27) chloroprene		8.446	53	27723	4.61	ug/kg	93
28) di-isopropyl ether		8.486	45	68698	4.68	ug/kg	92
29) methacrylonitrile		8.621	41	10148	3.50	ug/kg	94
30) 2-butanone		8.662	72	2065m	2.73	ug/kg	
31) 1,1-dichloroethane		8.076	63	32456	4.99	ug/kg	95
32) tert-butyl ethyl ether		8.884	59	51725	4.88	ug/kg	95
33) isobutyl alcohol		8.904	43	15700	29.11	ug/kg#	71
34) 2,2-dichloropropane		8.958	77	21611	4.78	ug/kg	95
35) cis-1,2-dichloroethene		8.662	96	22860	5.14	ug/kg	84
36) ethyl acetate		8.904	43	15700	5.80	ug/kg	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58638.D
Acq On : 21 Aug 2013 3:36 pm
Operator : krystend
Sample : IC2022-5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 08:27:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:26:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	9716	4.85	ug/kg	82
38) chloroform	8.864	83	31175	4.62	ug/kg	99
40) Tetrahydrofuran	9.207	42	8741	5.12	ug/kg	98
41) 1,1,1-trichloroethane	9.632	97	27320	4.90	ug/kg	99
43) Cyclohexane	9.921	56	31188	4.82	ug/kg	88
44) carbon tetrachloride	9.995	117	25263	5.04	ug/kg	92
45) 1,1-dichloropropene	9.807	75	25377	5.00	ug/kg	97
46) benzene	10.036	78	74513	4.30	ug/kg	96
47) 1,2-dichloroethane	9.531	62	25231	4.84	ug/kg	93
48) tert-amyl methyl ether	10.150	73	41674	4.59	ug/kg	99
49) heptane	10.514	43	33348	4.73	ug/kg	98
50) trichloroethene	10.662	95	19371	4.31	ug/kg	95
51) 1,2-dichloropropane	10.629	63	19941	4.81	ug/kg	91
52) dibromomethane	10.602	93	11067	4.81	ug/kg	98
53) bromodichloromethane	10.716	83	25169	4.82	ug/kg	96
54) Methylcyclohexane	11.181	83	30720	4.83	ug/kg	90
55) 2-chloroethyl vinyl ether	11.100	63	7406	4.56	ug/kg#	72
56) methyl methacrylate	10.811	69	10373	4.72	ug/kg	96
57) 1,4-dioxane	10.817	88	379m	9.79	ug/kg	
58) cis-1,3-dichloropropene	11.336	75	29386	4.71	ug/kg	94
60) 4-methyl-2-pentanone	11.430	43	24508	5.14	ug/kg	92
61) toluene	12.117	92	43860	4.68	ug/kg	97
62) trans-1,3-dichloropropene	11.760	75	24756	4.90	ug/kg	97
63) 1,1,2-trichloroethane	11.936	83	13377	4.75	ug/kg	96
64) ethyl methacrylate	12.138	69	19638	4.37	ug/kg	86
66) tetrachloroethene	12.858	166	16373	4.27	ug/kg	96
67) 1,3-dichloropropane	12.171	76	24718	4.63	ug/kg	99
68) dibromochloromethane	12.461	129	19247	4.88	ug/kg	86
69) 1,2-dibromoethane	12.710	107	16845	4.90	ug/kg	98
70) 2-hexanone	12.306	43	22642	5.37	ug/kg	88
71) chlorobenzene	13.546	112	53449	4.89	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.458	131	17912	4.62	ug/kg	99
73) ethylbenzene	13.714	91	84571	4.79	ug/kg	95
74) m,p-xylene	13.903	106	66820	9.19	ug/kg	99
75) o-xylene	14.313	106	32877	4.59	ug/kg	100
76) styrene	14.246	104	50574	4.62	ug/kg	94
77) bromoform	14.078	173	10641	4.72	ug/kg	96
78) trans-1,4-dichloro-2-b...	14.468	53	6653	4.48	ug/kg	95
80) isopropylbenzene	14.677	105	83853	4.63	ug/kg	100
82) bromobenzene	14.974	156	21229	5.08	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.320	83	21468	4.66	ug/kg	95
84) 1,2,3-trichloropropane	14.468	75	22139	4.77	ug/kg	88
85) n-propylbenzene	15.122	91	99988	4.71	ug/kg	97
86) 2-chlorotoluene	15.243	91	59177	4.77	ug/kg	98
87) 4-chlorotoluene	15.324	91	56918	4.62	ug/kg	91
88) 1,3,5-trimethylbenzene	15.398	105	67361	4.47	ug/kg	93
89) tert-butylbenzene	15.708	91	38702	4.57	ug/kg	93
90) 1,2,4-trimethylbenzene	15.809	105	67451	4.58	ug/kg	93
91) sec-butylbenzene	15.930	105	95612	4.68	ug/kg	100
92) 1,3-dichlorobenzene	16.038	146	41704	4.76	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58638.D
Acq On : 21 Aug 2013 3:36 pm
Operator : krystend
Sample : IC2022-5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 08:27:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:26:07 2013
Response via : Initial Calibration

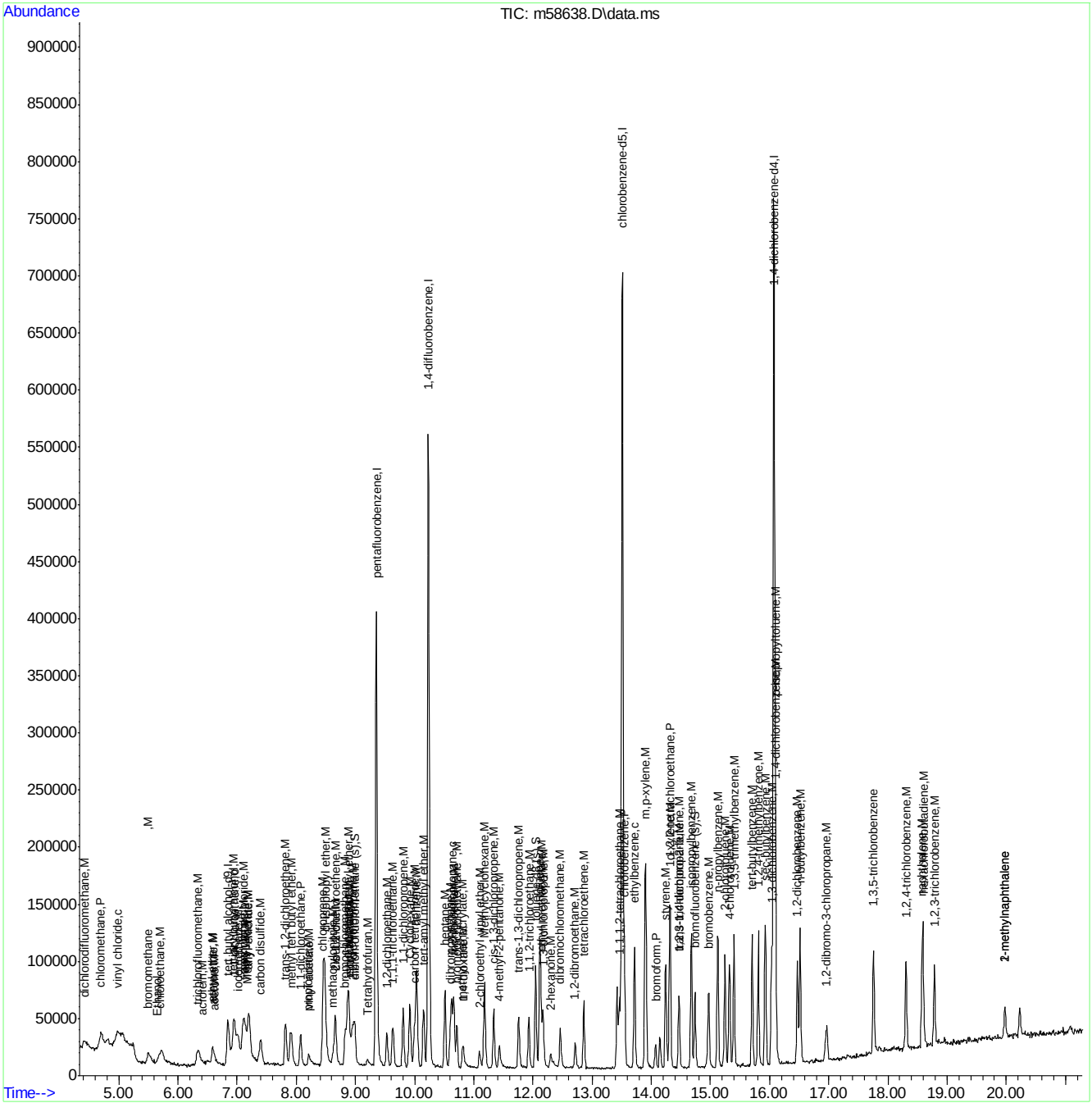
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	69506	4.23	ug/kg	96
94) 1,4-dichlorobenzene	16.105	146	41534	4.47	ug/kg	98
95) 1,2-dichlorobenzene	16.469	146	39580	4.73	ug/kg	99
96) n-butylbenzene	16.516	91	74879	4.61	ug/kg	95
97) 1,2-dibromo-3-chloropr...	16.954	75	5776	6.19	ug/kg#	76
98) 1,3,5-trichlorobenzene	17.756	180	28292	5.03	ug/kg	99
99) 1,2,4-trichlorobenzene	18.308	180	26041	4.85	ug/kg	99
100) hexachlorobutadiene	18.598	225	13008	4.68	ug/kg	92
101) naphthalene	18.578	128	64622	4.70	ug/kg	100
102) 1,2,3-trichlorobenzene	18.793	180	24563	4.78	ug/kg	99
103) 2-methylnaphthalene	19.979	142	18368	2.48	ug/kg#	93
104) 1-methylnaphthalene	19.979	TIC	73432	1.11	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58638.D
Acq On : 21 Aug 2013 3:36 pm
Operator : krystend
Sample : IC2022-5
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 08:27:09 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:26:07 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24064

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58639.D
Acq On : 21 Aug 2013 4:05 pm
Operator : krystend
Sample : IC2022-10
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 08:27:57 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:27:22 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	133918	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	294681	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	503178	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	216735	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	216300	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	39799	10.66	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 21.32%#			
59) toluene-d8 (s)	12.043	98	137795	10.87	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 21.74%#			
81) bromofluorobenzene (s)	14.738	95	45749	10.75	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 21.50%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	33823	87.53	ug/kg	93
3) Ethanol	5.650	45	33144	1390.64	ug/kg#	84
5) dichlorodifluoromethane	4.438	85	46389	10.72	ug/kg	85
6) chloromethane	4.694	50	70835	10.29	ug/kg	95
7) vinyl chloride	4.970	62	81543	10.47	ug/kg	89
8) bromomethane ...	5.496	96	37955	10.64	ug/kg	88
9) chloroethane	5.684	64	28471	11.91	ug/kg	98
10) ethyl ether	6.587	59	29085	10.51	ug/kg	87
11) acetonitrile	6.587	41	5541	5.42	ug/kg	73
12) trichlorofluoromethane	6.338	101	60468	9.90	ug/kg	99
13) freon-113	7.146	101	32435	10.50	ug/kg	94
14) acrolein	6.371	56	8715	40.13	ug/kg	95
15) 1,1-dichloroethene	6.951	96	35170	10.26	ug/kg	99
16) acetone	6.573	58	6890	9.69	ug/kg#	82
17) Methyl Acetate	7.153	43	37712	7.83	ug/kg	93
18) methylene chloride	7.099	84	46177	10.77	ug/kg	97
19) methyl tert butyl ether	7.907	73	90678	10.16	ug/kg	95
20) acrylonitrile	7.052	53	12994	8.60	ug/kg	87
21) allyl chloride	7.200	41	72089	10.43	ug/kg	93
22) trans-1,2-dichloroethene	7.813	96	40852	9.87	ug/kg	96
23) iodomethane	7.018	142	67724	10.84	ug/kg	98
24) carbon disulfide	7.395	76	124101	10.99	ug/kg	99
25) propionitrile	8.190	54	3862	7.97	ug/kg	100
26) vinyl acetate	8.190	43	74067	10.14	ug/kg	97
27) chloroprene	8.446	53	59534	10.31	ug/kg	89
28) di-isopropyl ether	8.486	45	140106	9.89	ug/kg	90
29) methacrylonitrile	8.614	41	22951	8.93	ug/kg	97
30) 2-butanone	8.534	72	6768	11.75	ug/kg#	1
31) 1,1-dichloroethane	8.076	63	66601	10.40	ug/kg	98
32) tert-butyl ethyl ether	8.884	59	106874	10.32	ug/kg	97
33) isobutyl alcohol	8.891	43	27751	49.50	ug/kg	100
34) 2,2-dichloropropane	8.958	77	46600	10.62	ug/kg	99
35) cis-1,2-dichloroethene	8.662	96	44421	10.04	ug/kg	95
36) ethyl acetate	8.891	43	28004	9.97	ug/kg	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58639.D
Acq On : 21 Aug 2013 4:05 pm
Operator : krystend
Sample : IC2022-10
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 08:27:57 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:27:22 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	19607	10.04	ug/kg	89
38) chloroform	8.864	83	65913	10.16	ug/kg	99
40) Tetrahydrofuran	9.214	42	13913	8.20	ug/kg	83
41) 1,1,1-trichloroethane	9.632	97	56161	10.29	ug/kg	95
43) Cyclohexane	9.921	56	62768	9.83	ug/kg	95
44) carbon tetrachloride	10.002	117	51373	10.24	ug/kg	95
45) 1,1-dichloropropene	9.807	75	51718	10.20	ug/kg	99
46) benzene	10.036	78	153694	9.21	ug/kg	99
47) 1,2-dichloroethane	9.531	62	50871	9.88	ug/kg	99
48) tert-amyl methyl ether	10.150	73	85107	9.66	ug/kg	98
49) heptane	10.514	43	69478	10.05	ug/kg	96
50) trichloroethene	10.662	95	41705	9.63	ug/kg	97
51) 1,2-dichloropropane	10.622	63	42450	10.39	ug/kg	98
52) dibromomethane	10.602	93	22337	9.85	ug/kg	95
53) bromodichloromethane	10.716	83	52538	10.20	ug/kg	97
54) Methylcyclohexane	11.181	83	65621	10.45	ug/kg	98
55) 2-chloroethyl vinyl ether	11.093	63	16374	10.41	ug/kg	96
56) methyl methacrylate	10.811	69	21661	10.06	ug/kg	99
57) 1,4-dioxane	10.844	88	1326m	49.28	ug/kg	
58) cis-1,3-dichloropropene	11.336	75	60810	9.95	ug/kg	95
60) 4-methyl-2-pentanone	11.430	43	46312	9.64	ug/kg	93
61) toluene	12.117	92	92664	10.12	ug/kg	97
62) trans-1,3-dichloropropene	11.760	75	50689	10.12	ug/kg	97
63) 1,1,2-trichloroethane	11.935	83	27256	9.85	ug/kg	96
64) ethyl methacrylate	12.131	69	41357	9.62	ug/kg	99
66) tetrachloroethene	12.858	166	34600	9.36	ug/kg	92
67) 1,3-dichloropropane	12.171	76	50588	9.71	ug/kg	97
68) dibromochloromethane	12.461	129	38928	9.94	ug/kg	97
69) 1,2-dibromoethane	12.717	107	33176	9.70	ug/kg	98
70) 2-hexanone	12.293	43	42896	9.91	ug/kg	96
71) chlorobenzene	13.545	112	111493	10.26	ug/kg	100
72) 1,1,1,2-tetrachloroethane	13.465	131	38005	10.04	ug/kg	96
73) ethylbenzene	13.714	91	178505	10.23	ug/kg	97
74) m,p-xylene	13.903	106	141425	19.95	ug/kg	96
75) o-xylene	14.313	106	70263	10.07	ug/kg	97
76) styrene	14.246	104	110681	10.36	ug/kg	95
77) bromoform	14.071	173	22198	10.02	ug/kg	90
78) trans-1,4-dichloro-2-b...	14.468	53	13249	9.22	ug/kg#	83
80) isopropylbenzene	14.677	105	184386	10.12	ug/kg	98
82) bromobenzene	14.974	156	43307	10.00	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.320	83	44504	9.59	ug/kg	93
84) 1,2,3-trichloropropane	14.468	75	44875	9.52	ug/kg	96
85) n-propylbenzene	15.122	91	219857	10.25	ug/kg	99
86) 2-chlorotoluene	15.243	91	126141	10.02	ug/kg	98
87) 4-chlorotoluene	15.324	91	124974	10.10	ug/kg	98
88) 1,3,5-trimethylbenzene	15.398	105	150711	10.05	ug/kg	97
89) tert-butylbenzene	15.708	91	83916	9.90	ug/kg	98
90) 1,2,4-trimethylbenzene	15.809	105	146287	9.92	ug/kg	99
91) sec-butylbenzene	15.930	105	202283	9.81	ug/kg	99
92) 1,3-dichlorobenzene	16.038	146	88987	10.01	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58639.D
Acq On : 21 Aug 2013 4:05 pm
Operator : krystend
Sample : IC2022-10
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 08:27:57 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:27:22 2013
Response via : Initial Calibration

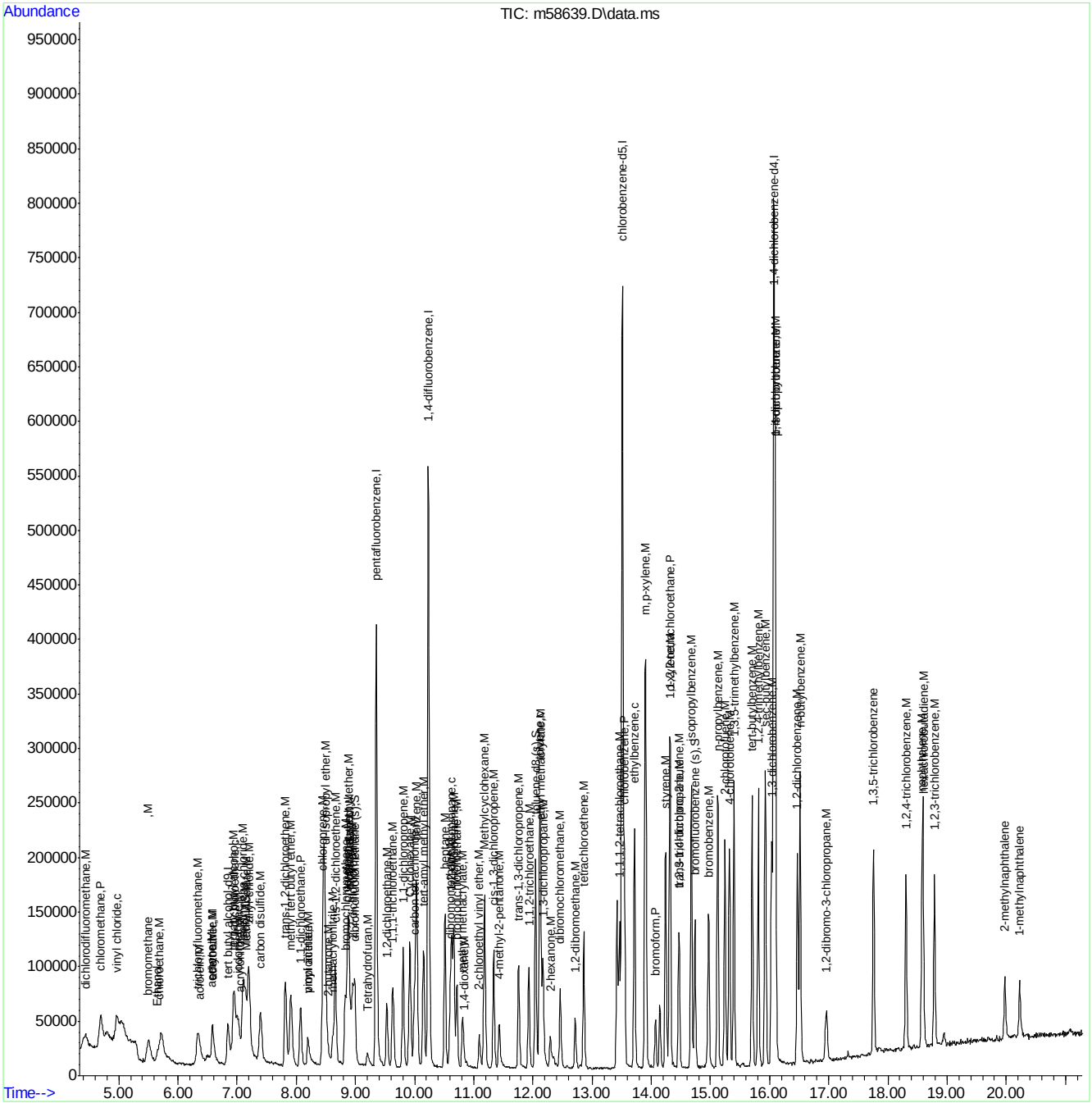
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	154801	9.64	ug/kg	99
94)	1,4-dichlorobenzene	16.099	146	90173	9.75	ug/kg	97
95)	1,2-dichlorobenzene	16.469	146	84187	9.94	ug/kg	98
96)	n-butylbenzene	16.516	91	164221	10.07	ug/kg	96
97)	1,2-dibromo-3-chloropr...	16.954	75	9809	9.45	ug/kg#	69
98)	1,3,5-trichlorobenzene	17.756	180	59191	10.18	ug/kg	94
99)	1,2,4-trichlorobenzene	18.308	180	55505	10.12	ug/kg	94
100)	hexachlorobutadiene	18.598	225	27376	9.77	ug/kg	96
101)	naphthalene	18.578	128	135371	9.74	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	52335	10.03	ug/kg	97
103)	2-methylnaphthalene	19.979	142	35914	4.72	ug/kg	96
104)	1-methylnaphthalene	20.228	TIC	162412	2.93	ug/kg#	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58639.D
Acq On : 21 Aug 2013 4:05 pm
Operator : krystend
Sample : IC2022-10
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 08:27:57 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:27:22 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58640.D
Acq On : 21 Aug 2013 4:35 pm
Operator : krystend
Sample : IC2022-20
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 22 08:38:20 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	138315	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	308232	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	526542	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	226339	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	224045	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	84513	21.81	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 43.62%#			
59) toluene-d8 (s)	12.043	98	291048	22.01	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 44.02%#			
81) bromofluorobenzene (s)	14.738	95	98129	22.39	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 44.78%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.944	59	72131	186.55	ug/kg	91
3) Ethanol	5.657	45	71872	2659.94	ug/kg	90
5) dichlorodifluoromethane	4.431	85	93564	20.31	ug/kg	98
6) chloromethane	4.694	50	143894	19.84	ug/kg	97
7) vinyl chloride	4.963	62	176496	21.41	ug/kg	92
8) bromomethane ...	5.496	96	80760	21.31	ug/kg	98
9) chloroethane	5.677	64	54158	20.68	ug/kg	98
10) ethyl ether	6.587	59	62985	21.48	ug/kg	97
11) acetonitrile	6.580	41	19529	20.63	ug/kg	83
12) trichlorofluoromethane	6.338	101	135900	21.32	ug/kg	96
13) freon-113	7.153	101	70398	21.51	ug/kg	99
14) acrolein	6.365	56	19953	94.02	ug/kg	86
15) 1,1-dichloroethene	6.957	96	76479	21.20	ug/kg	89
16) acetone	6.513	58	13082m	17.77	ug/kg	
17) Methyl Acetate	7.139	43	96541	20.27	ug/kg	95
18) methylene chloride	7.106	84	90201	19.73	ug/kg	96
19) methyl tert butyl ether	7.907	73	181033	19.31	ug/kg	95
20) acrylonitrile	7.038	53	30379	20.16	ug/kg	84
21) allyl chloride	7.193	41	142624	19.52	ug/kg	92
22) trans-1,2-dichloroethene	7.820	96	77568	17.97	ug/kg	96
23) iodomethane	7.011	142	135978	20.38	ug/kg	96
24) carbon disulfide	7.395	76	248484	20.54	ug/kg	98
25) propionitrile	8.170	54	9032	19.12	ug/kg	100
26) vinyl acetate	8.183	43	164482	21.46	ug/kg	98
27) chloroprene	8.446	53	127891	21.01	ug/kg	100
28) di-isopropyl ether	8.486	45	297883	20.16	ug/kg	87
29) methacrylonitrile	8.614	41	46873	17.92	ug/kg	90
30) 2-butanone	8.507	72	11638	18.25	ug/kg#	76
31) 1,1-dichloroethane	8.076	63	136478	20.18	ug/kg	97
32) tert-butyl ethyl ether	8.891	59	220429	20.18	ug/kg	97
33) isobutyl alcohol	8.884	43	62182	106.30	ug/kg#	75
34) 2,2-dichloropropane	8.951	77	89276	19.16	ug/kg	99
35) cis-1,2-dichloroethene	8.655	96	93083	20.10	ug/kg	92
36) ethyl acetate	8.884	43	62140	21.17	ug/kg	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58640.D
Acq On : 21 Aug 2013 4:35 pm
Operator : krystend
Sample : IC2022-20
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 22 08:38:20 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	41207	20.15	ug/kg	95
38) chloroform	8.864	83	138560	20.34	ug/kg	99
40) Tetrahydrofuran	9.201	42	30016	17.71	ug/kg	91
41) 1,1,1-trichloroethane	9.632	97	113214	19.69	ug/kg	98
43) Cyclohexane	9.921	56	124508	18.72	ug/kg	95
44) carbon tetrachloride	10.002	117	104752	19.83	ug/kg	93
45) 1,1-dichloropropene	9.807	75	108083	20.27	ug/kg	100
46) benzene	10.036	78	319888	18.61	ug/kg	100
47) 1,2-dichloroethane	9.531	62	109189	20.32	ug/kg	99
48) tert-amyl methyl ether	10.150	73	185187	20.26	ug/kg	96
49) heptane	10.507	43	139755	19.30	ug/kg	97
50) trichloroethene	10.656	95	84070	18.69	ug/kg	98
51) 1,2-dichloropropane	10.622	63	86853	20.12	ug/kg	100
52) dibromomethane	10.602	93	48317	20.43	ug/kg	95
53) bromodichloromethane	10.716	83	111824	20.64	ug/kg	99
54) Methylcyclohexane	11.188	83	131585	19.80	ug/kg	96
55) 2-chloroethyl vinyl ether	11.087	63	36183	21.76	ug/kg	96
56) methyl methacrylate	10.804	69	47357	20.98	ug/kg	92
57) 1,4-dioxane	10.811	88	3976	141.89	ug/kg	77
58) cis-1,3-dichloropropene	11.336	75	131842	20.65	ug/kg	98
60) 4-methyl-2-pentanone	11.424	43	87618	17.58	ug/kg	99
61) toluene	12.117	92	193082	20.09	ug/kg	98
62) trans-1,3-dichloropropene	11.754	75	108302	20.60	ug/kg	99
63) 1,1,2-trichloroethane	11.929	83	58552	20.30	ug/kg	98
64) ethyl methacrylate	12.131	69	92704	20.81	ug/kg	98
66) tetrachloroethene	12.858	166	73859	19.37	ug/kg	95
67) 1,3-dichloropropane	12.165	76	113763	21.06	ug/kg	100
68) dibromochloromethane	12.461	129	83028	20.33	ug/kg	99
69) 1,2-dibromoethane	12.710	107	72222	20.37	ug/kg	96
70) 2-hexanone	12.286	43	78978	17.51	ug/kg	99
71) chlorobenzene	13.546	112	229586	20.10	ug/kg	97
72) 1,1,1,2-tetrachloroethane	13.465	131	79979	20.22	ug/kg	98
73) ethylbenzene	13.714	91	367310	20.04	ug/kg	99
74) m,p-xylene	13.903	106	300255	40.59	ug/kg	99
75) o-xylene	14.313	106	148227	20.31	ug/kg	99
76) styrene	14.239	104	232602	20.66	ug/kg	100
77) bromoform	14.071	173	47768	20.63	ug/kg	95
78) trans-1,4-dichloro-2-b...	14.468	53	27563	18.73	ug/kg	88
80) isopropylbenzene	14.677	105	384437	20.31	ug/kg	100
82) bromobenzene	14.974	156	90422	20.15	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.320	83	94545	19.88	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	97380	20.19	ug/kg	100
85) n-propylbenzene	15.122	91	452676	20.25	ug/kg	98
86) 2-chlorotoluene	15.243	91	259054	19.86	ug/kg	99
87) 4-chlorotoluene	15.324	91	264638	20.59	ug/kg	98
88) 1,3,5-trimethylbenzene	15.398	105	321478	20.68	ug/kg	99
89) tert-butylbenzene	15.708	91	177869	20.31	ug/kg	93
90) 1,2,4-trimethylbenzene	15.809	105	312139	20.47	ug/kg	100
91) sec-butylbenzene	15.930	105	439925	20.69	ug/kg	98
92) 1,3-dichlorobenzene	16.031	146	183628	19.93	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58640.D
Acq On : 21 Aug 2013 4:35 pm
Operator : krystend
Sample : IC2022-20
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 22 08:38:20 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:07 2013
Response via : Initial Calibration

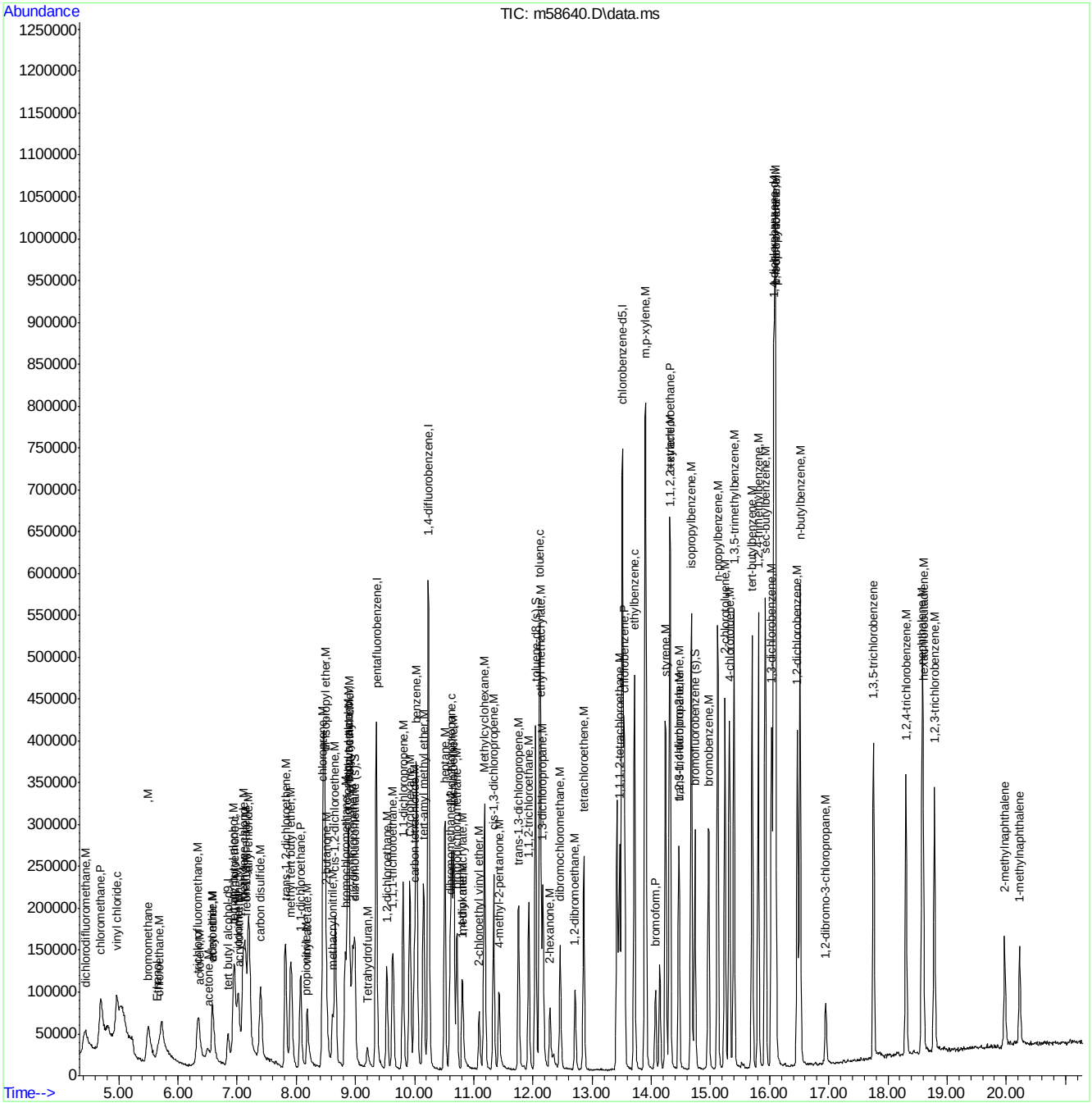
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	334042	20.26	ug/kg	100
94) 1,4-dichlorobenzene	16.099	146	189086	19.87	ug/kg	100
95) 1,2-dichlorobenzene	16.469	146	182787	20.86	ug/kg	96
96) n-butylbenzene	16.516	91	344019	20.32	ug/kg	95
97) 1,2-dibromo-3-chloropr...	16.947	75	18272	17.23	ug/kg	85
98) 1,3,5-trichlorobenzene	17.756	180	123142	20.36	ug/kg	99
99) 1,2,4-trichlorobenzene	18.308	180	113984	20.01	ug/kg	97
100) hexachlorobutadiene	18.598	225	57818	20.03	ug/kg	90
101) naphthalene	18.578	128	297909	20.83	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	108856	20.13	ug/kg	95
103) 2-methylnaphthalene	19.972	142	81260	10.45	ug/kg	99
104) 1-methylnaphthalene	20.228	TIC	287362	5.58	ug/kg	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58640.D
Acq On : 21 Aug 2013 4:35 pm
Operator : krystend
Sample : IC2022-20
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 22 08:38:20 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:07 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58641.D
Acq On : 21 Aug 2013 5:08 pm
Operator : krystend
Sample : ICC2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 08:41:08 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:40:43 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.849	65	133210	500.00	ug/kg	0.00
4) pentafluorobenzene		9.355	168	319026	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	550096	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	245364	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.071	152	248561	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	240789	58.96	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 117.92%			
59) toluene-d8 (s)		12.043	98	854645	58.90	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 117.80%			
81) bromofluorobenzene (s)		14.738	95	297874	61.70	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 123.40%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.937	59	201417	563.43	ug/kg	100
3) Ethanol		5.657	45	200720	5679.18	ug/kg	100
5) dichlorodifluoromethane		4.431	85	256075	56.92	ug/kg	100
6) chloromethane		4.700	50	376065	53.84	ug/kg	100
7) vinyl chloride		4.970	62	420391	51.68	ug/kg	100
8) bromomethane	...	5.509	96	180936	48.63	ug/kg	100
9) chloroethane		5.671	64	136479m	52.05	ug/kg	
10) ethyl ether		6.580	59	167701	54.70	ug/kg	100
11) acetonitrile		6.580	41	49587	52.24	ug/kg	98
12) trichlorofluoromethane		6.344	101	364040	55.62	ug/kg	100
13) freon-113		7.146	101	193776	56.91	ug/kg	99
14) acrolein		6.331	56	71331	305.70	ug/kg	100
15) 1,1-dichloroethene		6.950	96	196104	52.50	ug/kg	100
16) acetone		6.472	58	42985m	61.56	ug/kg	
17) Methyl Acetate		7.132	43	304395	59.12	ug/kg	100
18) methylene chloride		7.105	84	223685m	50.44	ug/kg	
19) methyl tert butyl ether		7.907	73	534305	56.01	ug/kg	100
20) acrylonitrile		7.011	53	91079	57.95	ug/kg	100
21) allyl chloride		7.200	41	381333	51.62	ug/kg	100
22) trans-1,2-dichloroethene		7.813	96	223770	51.87	ug/kg	100
23) iodomethane		7.011	142	380164	53.79	ug/kg	100
24) carbon disulfide		7.395	76	684854	54.58	ug/kg	100
25) propionitrile		8.156	54	29307	55.88	ug/kg	100
26) vinyl acetate		8.170	43	525049	58.61	ug/kg	100
27) chloroprene		8.446	53	348522	53.59	ug/kg	100
28) di-isopropyl ether		8.486	45	843619	54.11	ug/kg	100
29) methacrylonitrile		8.608	41	145363	55.24	ug/kg	100
30) 2-butanone		8.500	72	40327	56.68	ug/kg	100
31) 1,1-dichloroethane		8.075	63	373275	53.63	ug/kg	100
32) tert-butyl ethyl ether		8.891	59	649714	56.24	ug/kg	100
33) isobutyl alcohol		8.891	43	150282	257.76	ug/kg	100
34) 2,2-dichloropropane		8.951	77	254603	54.39	ug/kg	100
35) cis-1,2-dichloroethene		8.655	96	252856	52.07	ug/kg	100
36) ethyl acetate		8.891	43	156155	53.29	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58641.D
Acq On : 21 Aug 2013 5:08 pm
Operator : krystend
Sample : ICC2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 08:41:08 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:40:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	114742	52.82	ug/kg	100
38) chloroform	8.864	83	387756	53.68	ug/kg	100
40) Tetrahydrofuran	9.200	42	78771	51.62	ug/kg	100
41) 1,1,1-trichloroethane	9.632	97	315119	53.62	ug/kg	100
43) Cyclohexane	9.921	56	370769	54.65	ug/kg	100
44) carbon tetrachloride	10.002	117	292775	52.10	ug/kg	100
45) 1,1-dichloropropene	9.807	75	295050	52.29	ug/kg	100
46) benzene	10.036	78	895986	50.71	ug/kg	100
47) 1,2-dichloroethane	9.530	62	309778	55.56	ug/kg	100
48) tert-amyl methyl ether	10.150	73	525932	55.17	ug/kg	100
49) heptane	10.507	43	406732	54.31	ug/kg	100
50) trichloroethene	10.662	95	238846	51.05	ug/kg	100
51) 1,2-dichloropropane	10.622	63	244715	53.40	ug/kg	100
52) dibromomethane	10.602	93	136885	54.44	ug/kg	100
53) bromodichloromethane	10.716	83	318148	54.81	ug/kg	100
54) Methylcyclohexane	11.181	83	395374	55.33	ug/kg	100
55) 2-chloroethyl vinyl ether	11.087	63	100031	54.63	ug/kg	100
56) methyl methacrylate	10.804	69	146402	58.12	ug/kg	100
57) 1,4-dioxane	10.804	88	10591	274.03	ug/kg	100
58) cis-1,3-dichloropropene	11.336	75	374798	53.97	ug/kg	100
60) 4-methyl-2-pentanone	11.423	43	275445	55.22	ug/kg	100
61) toluene	12.117	92	567923	52.25	ug/kg	100
62) trans-1,3-dichloropropene	11.753	75	312006	54.33	ug/kg	100
63) 1,1,2-trichloroethane	11.929	83	169261	54.95	ug/kg	100
64) ethyl methacrylate	12.124	69	290156	54.58	ug/kg	100
66) tetrachloroethene	12.858	166	208025	53.10	ug/kg	100
67) 1,3-dichloropropane	12.164	76	322030	56.46	ug/kg	100
68) dibromochloromethane	12.461	129	246873	57.13	ug/kg	100
69) 1,2-dibromoethane	12.710	107	211468	57.64	ug/kg	100
70) 2-hexanone	12.279	43	255086	56.58	ug/kg	99
71) chlorobenzene	13.545	112	665471	55.12	ug/kg	100
72) 1,1,1,2-tetrachloroethane	13.465	131	230214	54.90	ug/kg	100
73) ethylbenzene	13.714	91	1088464	55.73	ug/kg	100
74) m,p-xylene	13.902	106	903875	110.19	ug/kg	100
75) o-xylene	14.313	106	450270	55.10	ug/kg	100
76) styrene	14.239	104	678744	54.95	ug/kg	100
77) bromoform	14.071	173	143214	56.65	ug/kg	100
78) trans-1,4-dichloro-2-b...	14.461	53	88892	58.91	ug/kg	100
80) isopropylbenzene	14.677	105	1194327	56.76	ug/kg	100
82) bromobenzene	14.967	156	275366	55.47	ug/kg	100
83) 1,1,2,2-tetrachloroethane	14.320	83	304945	58.76	ug/kg	100
84) 1,2,3-trichloropropane	14.468	75	312424	59.79	ug/kg	100
85) n-propylbenzene	15.122	91	1397998	57.37	ug/kg	100
86) 2-chlorotoluene	15.243	91	811548	56.69	ug/kg	100
87) 4-chlorotoluene	15.317	91	793527	55.57	ug/kg	100
88) 1,3,5-trimethylbenzene	15.398	105	1030930	57.90	ug/kg	100
89) tert-butylbenzene	15.708	91	564250	57.01	ug/kg	100
90) 1,2,4-trimethylbenzene	15.809	105	1006073	57.50	ug/kg	100
91) sec-butylbenzene	15.930	105	1407644	58.46	ug/kg	100
92) 1,3-dichlorobenzene	16.038	146	572854	54.93	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58641.D
Acq On : 21 Aug 2013 5:08 pm
Operator : krystend
Sample : ICC2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 08:41:08 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:40:43 2013
Response via : Initial Calibration

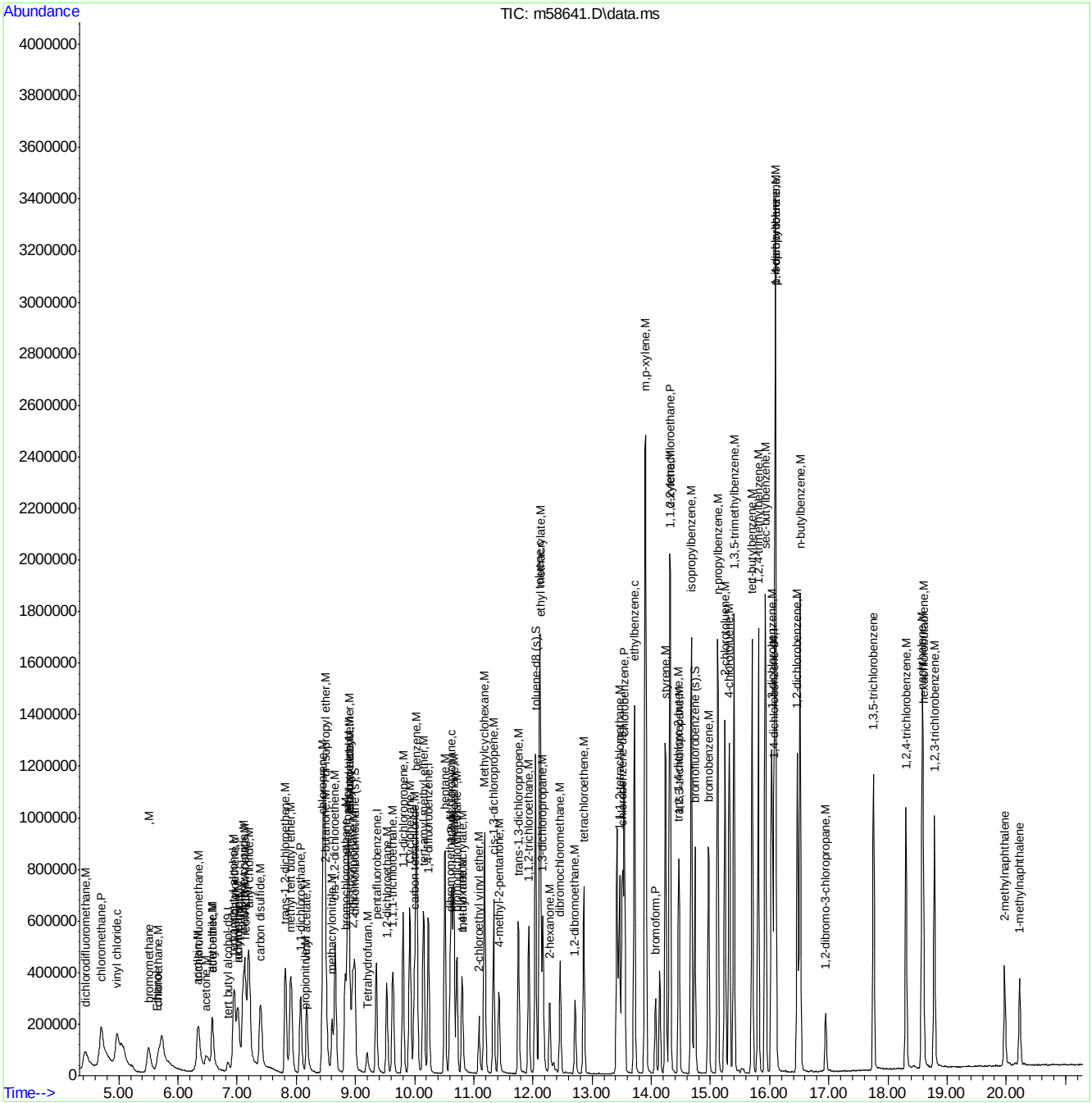
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.098	119	1144024	59.37	ug/kg	100
94)	1,4-dichlorobenzene	16.098	146	626542	56.81	ug/kg	100
95)	1,2-dichlorobenzene	16.469	146	556888	54.92	ug/kg	100
96)	n-butylbenzene	16.516	91	1119005	59.51	ug/kg	100
97)	1,2-dibromo-3-chloropr...	16.947	75	53838	60.34	ug/kg	100
98)	1,3,5-trichlorobenzene	17.756	180	375220	56.54	ug/kg	100
99)	1,2,4-trichlorobenzene	18.308	180	351656	56.91	ug/kg	100
100)	hexachlorobutadiene	18.598	225	180523	55.74	ug/kg	100
101)	naphthalene	18.577	128	936217	56.43	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	334655	56.27	ug/kg	100
103)	2-methylnaphthalene	19.972	142	246957	28.86	ug/kg	99
104)	1-methylnaphthalene	20.228	TIC	771562	28.32	ug/kg	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58641.D
Acq On : 21 Aug 2013 5:08 pm
Operator : krystend
Sample : ICC2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 08:41:08 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:40:43 2013
Response via : Initial Calibration



M58642.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58642.D
Acq On : 21 Aug 2013 5:37 pm
Operator : krystend
Sample : IC2022-100
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 22 08:38:55 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	148956	500.00	ug/kg	-0.01
4) pentafluorobenzene	9.349	168	333659	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	570156	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	273174	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	302693	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	473829	113.16	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 226.32%#			
59) toluene-d8 (s)	12.043	98	1711926	119.55	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 239.10%#			
81) bromofluorobenzene (s)	14.738	95	653746	110.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 220.00%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	384702	936.44	ug/kg	95
3) Ethanol	5.651	45	386426	12457.60	ug/kg	97
5) dichlorodifluoromethane	4.424	85	429080	85.78	ug/kg	98
6) chloromethane	4.694	50	689665	87.98	ug/kg	98
7) vinyl chloride	4.970	62	809177	89.41	ug/kg	99
8) bromomethane ...	5.496	96	354179	85.22	ug/kg	96
9) chloroethane	5.671	64	274083	96.02	ug/kg	96
10) ethyl ether	6.573	59	319480	99.18	ug/kg	94
11) acetonitrile	6.567	41	86560	83.93	ug/kg	96
12) trichlorofluoromethane	6.331	101	689569m	98.63	ug/kg	
13) freon-113	7.139	101	376123	104.60	ug/kg	96
14) acrolein	6.324	56	114847	507.53	ug/kg	96
15) 1,1-dichloroethene	6.944	96	395529	100.08	ug/kg	92
16) acetone	6.459	58	73101m	88.40	ug/kg	
17) Methyl Acetate	7.119	43	573229	110.87	ug/kg	97
18) methylene chloride	7.099	84	433609m	87.87	ug/kg	
19) methyl tert butyl ether	7.900	73	1009291	100.14	ug/kg	98
20) acrylonitrile	6.991	53	164336	100.53	ug/kg	96
21) allyl chloride	7.193	41	763597	97.00	ug/kg	98
22) trans-1,2-dichloroethene	7.813	96	438725	95.85	ug/kg	98
23) iodomethane	7.005	142	755740	104.23	ug/kg	99
24) carbon disulfide	7.388	76	1347724	102.34	ug/kg	100
25) propionitrile	8.082	54	61425	121.45	ug/kg	100
26) vinyl acetate	8.170	43	989562	117.53	ug/kg	98
27) chloroprene	8.439	53	708362	106.42	ug/kg	99
28) di-isopropyl ether	8.480	45	1679963	104.88	ug/kg	96
29) methacrylonitrile	8.601	41	265812	95.87	ug/kg	97
30) 2-butanone	8.487	72	73918	109.48	ug/kg#	12
31) 1,1-dichloroethane	8.069	63	730740	99.63	ug/kg	96
32) tert-butyl ethyl ether	8.884	59	1258182	106.23	ug/kg	99
33) isobutyl alcohol	8.884	43	286822	447.33	ug/kg	98
34) 2,2-dichloropropane	8.951	77	504941	100.95	ug/kg	98
35) cis-1,2-dichloroethene	8.655	96	500811	99.79	ug/kg	99
36) ethyl acetate	8.884	43	291633	90.71	ug/kg	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58642.D
Acq On : 21 Aug 2013 5:37 pm
Operator : krystend
Sample : IC2022-100
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 22 08:38:55 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:30 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	223903	100.98	ug/kg	96
38) chloroform	8.864	83	768665	103.89	ug/kg	98
40) Tetrahydrofuran	9.194	42	152940	85.33	ug/kg	99
41) 1,1,1-trichloroethane	9.632	97	635877	102.47	ug/kg	99
43) Cyclohexane	9.921	56	738374	103.84	ug/kg	98
44) carbon tetrachloride	10.002	117	607117	106.31	ug/kg	96
45) 1,1-dichloropropene	9.807	75	601444	103.90	ug/kg	100
46) benzene	10.029	78	1812479	98.50	ug/kg	98
47) 1,2-dichloroethane	9.524	62	584200	100.09	ug/kg	99
48) tert-amyl methyl ether	10.150	73	1004021	101.16	ug/kg	99
49) heptane	10.507	43	786719	101.02	ug/kg	99
50) trichloroethene	10.656	95	475796	98.78	ug/kg	99
51) 1,2-dichloropropane	10.622	63	478790	102.31	ug/kg	100
52) dibromomethane	10.602	93	261361	101.64	ug/kg	96
53) bromodichloromethane	10.716	83	620313	105.08	ug/kg	99
54) Methylcyclohexane	11.181	83	805884	112.21	ug/kg	97
55) 2-chloroethyl vinyl ether	11.087	63	193456	105.57	ug/kg	100
56) methyl methacrylate	10.804	69	278245	112.74	ug/kg	94
57) 1,4-dioxane	10.804	88	19995	596.50	ug/kg	85
58) cis-1,3-dichloropropene	11.336	75	738919	106.18	ug/kg	98
60) 4-methyl-2-pentanone	11.424	43	511057	97.05	ug/kg	99
61) toluene	12.117	92	1201839	115.36	ug/kg	99
62) trans-1,3-dichloropropene	11.754	75	613895	107.20	ug/kg	97
63) 1,1,2-trichloroethane	11.929	83	321934	102.76	ug/kg	97
64) ethyl methacrylate	12.124	69	588957	121.11	ug/kg	97
66) tetrachloroethene	12.858	166	421135	92.01	ug/kg	98
67) 1,3-dichloropropane	12.165	76	657887	99.83	ug/kg	99
68) dibromochloromethane	12.461	129	486011	98.27	ug/kg	98
69) 1,2-dibromoethane	12.710	107	405016	94.30	ug/kg	99
70) 2-hexanone	12.279	43	456638	86.04	ug/kg	99
71) chlorobenzene	13.546	112	1370753	99.34	ug/kg	98
72) 1,1,1,2-tetrachloroethane	13.465	131	471526	98.55	ug/kg	98
73) ethylbenzene	13.714	91	2312568	104.51	ug/kg	99
74) m,p-xylene	13.903	106	1999075	223.24	ug/kg	99
75) o-xylene	14.313	106	1024654	115.98	ug/kg	100
76) styrene	14.239	104	1476015	107.93	ug/kg	99
77) bromoform	14.071	173	295361	105.04	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.462	53	175088	99.87	ug/kg	97
80) isopropylbenzene	14.677	105	2640276	102.94	ug/kg	99
82) bromobenzene	14.967	156	579624	95.47	ug/kg	97
83) 1,1,2,2-tetrachloroethane	14.320	83	649693	101.22	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	638281	97.77	ug/kg	100
85) n-propylbenzene	15.122	91	3064437	101.20	ug/kg	98
86) 2-chlorotoluene	15.243	91	1762943	100.17	ug/kg	99
87) 4-chlorotoluene	15.317	91	1799630	103.05	ug/kg	98
88) 1,3,5-trimethylbenzene	15.398	105	2333549	110.34	ug/kg	99
89) tert-butylbenzene	15.708	91	1262824	106.42	ug/kg	95
90) 1,2,4-trimethylbenzene	15.809	105	2283660	110.35	ug/kg	99
91) sec-butylbenzene	15.930	105	3203665	110.77	ug/kg	98
92) 1,3-dichlorobenzene	16.031	146	1290835	103.78	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58642.D
Acq On : 21 Aug 2013 5:37 pm
Operator : krystend
Sample : IC2022-100
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 22 08:38:55 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:30 2013
Response via : Initial Calibration

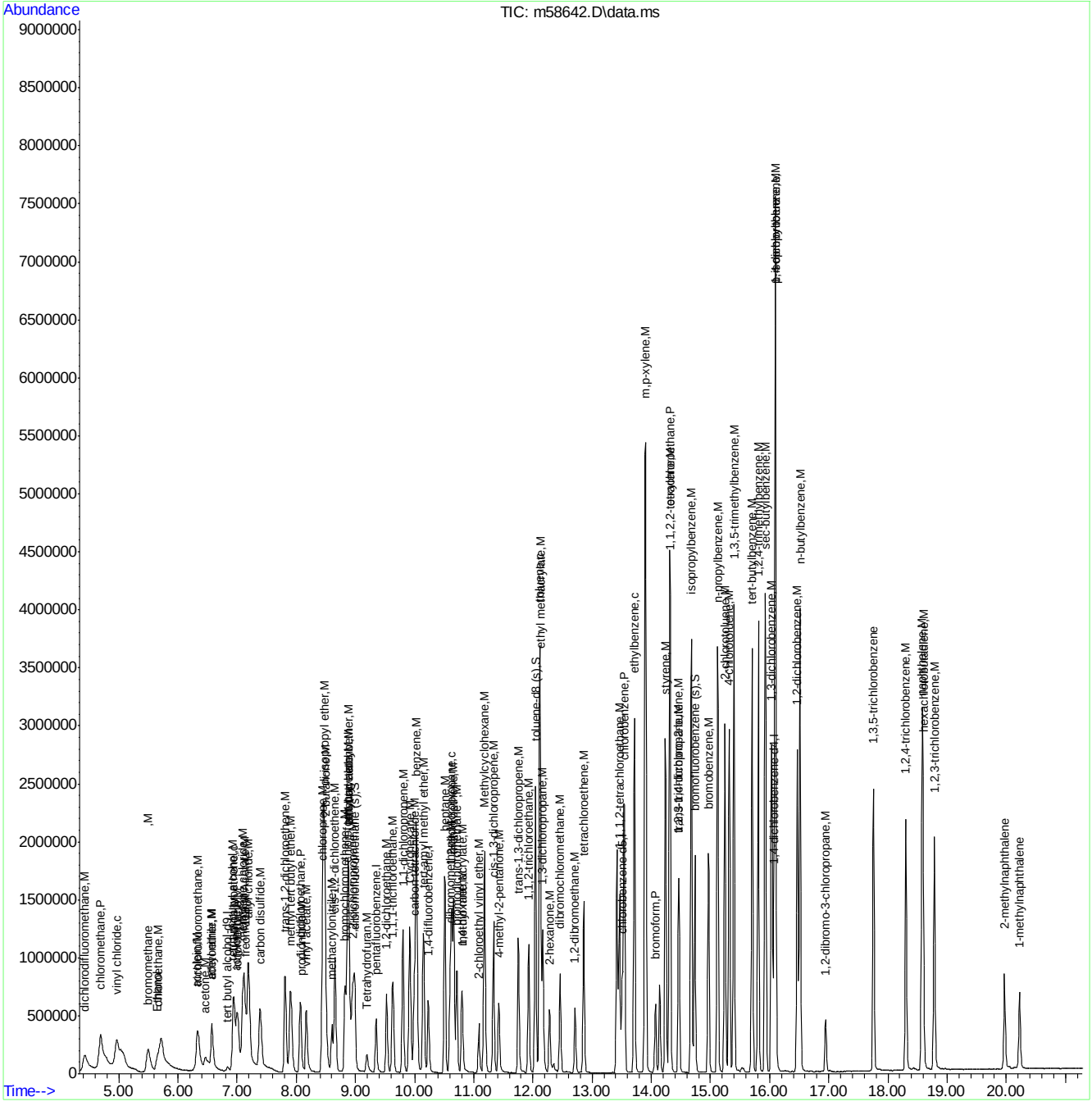
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	2615991	117.13	ug/kg	98
94)	1,4-dichlorobenzene	16.099	146	1434901	111.75	ug/kg	98
95)	1,2-dichlorobenzene	16.469	146	1227434	102.80	ug/kg	99
96)	n-butylbenzene	16.516	91	2452641	106.90	ug/kg	100
97)	1,2-dibromo-3-chloropr...	16.947	75	110644	79.43	ug/kg	98
98)	1,3,5-trichlorobenzene	17.756	180	784504	95.66	ug/kg	99
99)	1,2,4-trichlorobenzene	18.301	180	719917	93.53	ug/kg	98
100)	hexachlorobutadiene	18.598	225	386752	99.16	ug/kg	99
101)	naphthalene	18.578	128	2003073	102.82	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	700932	95.81	ug/kg	97
103)	2-methylnaphthalene	19.972	142	493723	46.59	ug/kg	98
104)	1-methylnaphthalene	20.228	TIC	1559431	24.58	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58642.D
Acq On : 21 Aug 2013 5:37 pm
Operator : krystend
Sample : IC2022-100
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 22 08:38:55 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:28:30 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58643.D
Acq On : 21 Aug 2013 6:07 pm
Operator : krystend
Sample : IC2022-200
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 22 08:39:10 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:08 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	165225	500.00	ug/kg	-0.01
4) pentafluorobenzene	9.355	168	385716	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.238	114	660728	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.512	82	351270	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	384535	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	1080939	222.24	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	444.48%#		
59) toluene-d8 (s)	12.043	98	4114122	244.39	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	488.78%#		
81) bromofluorobenzene (s)	14.738	95	1570097	207.96	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	415.92%#		
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	829390	1839.60	ug/kg	100
3) Ethanol	5.657	45	873534	24389.12	ug/kg	98
5) dichlorodifluoromethane	4.438	85	1030089	182.47	ug/kg	98
6) chloromethane	4.701	50	1532459	172.56	ug/kg	97
7) vinyl chloride	4.970	62	1785918	173.78	ug/kg	97
8) bromomethane ...	5.502	96	800603	170.84	ug/kg	98
9) chloroethane	5.677	64	590780m	180.23	ug/kg	
10) ethyl ether	6.580	59	736950	198.17	ug/kg	93
11) acetonitrile	6.573	41	234146	201.80	ug/kg	89
12) trichlorofluoromethane	6.338	101	1546925	191.83	ug/kg	98
13) freon-113	7.153	101	816444	194.92	ug/kg	97
14) acrolein	6.331	56	275357	1049.46	ug/kg	95
15) 1,1-dichloroethene	6.951	96	888274	194.39	ug/kg	95
16) acetone	6.459	58	151274m	157.38	ug/kg	
17) Methyl Acetate	7.126	43	1333192	219.09	ug/kg	99
18) methylene chloride	7.106	84	975618m	204.92	ug/kg	
19) methyl tert butyl ether	7.907	73	2255945	193.57	ug/kg	97
20) acrylonitrile	6.998	53	380649	201.22	ug/kg	88
21) allyl chloride	7.200	41	1763635	194.78	ug/kg	100
22) trans-1,2-dichloroethene	7.813	96	1033019	196.58	ug/kg	98
23) iodomethane	7.011	142	1757388	208.19	ug/kg	98
24) carbon disulfide	7.395	76	3089880	202.18	ug/kg	100
25) propionitrile	8.082	54	139195	228.29	ug/kg	100
26) vinyl acetate	8.170	43	2347365	234.33	ug/kg	97
27) chloroprene	8.446	53	1661243	213.61	ug/kg	97
28) di-isopropyl ether	8.486	45	3950618	211.63	ug/kg	95
29) methacrylonitrile	8.601	41	637903	200.40	ug/kg	97
30) 2-butanone	8.486	72	173819	218.56	ug/kg#	20
31) 1,1-dichloroethane	8.069	63	1682545	198.56	ug/kg	98
32) tert-butyl ethyl ether	8.891	59	2910450	210.38	ug/kg	99
33) isobutyl alcohol	8.891	43	644060	884.44	ug/kg	98
34) 2,2-dichloropropane	8.958	77	1098082	189.60	ug/kg	99
35) cis-1,2-dichloroethene	8.655	96	1223648	210.99	ug/kg	97
36) ethyl acetate	8.891	43	643927	175.98	ug/kg	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58643.D
Acq On : 21 Aug 2013 6:07 pm
Operator : krystend
Sample : IC2022-200
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 22 08:39:10 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:08 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	546534	212.88	ug/kg	90
38) chloroform	8.864	83	1827091	212.24	ug/kg	96
40) Tetrahydrofuran	9.194	42	333074	164.78	ug/kg	100
41) 1,1,1-trichloroethane	9.632	97	1411137	195.90	ug/kg	99
43) Cyclohexane	9.921	56	1632934	196.91	ug/kg	98
44) carbon tetrachloride	10.002	117	1412565	211.22	ug/kg	98
45) 1,1-dichloropropene	9.807	75	1405972	208.23	ug/kg	97
46) benzene	10.036	78	4326012	203.30	ug/kg	100
47) 1,2-dichloroethane	9.531	62	1339766	198.05	ug/kg	98
48) tert-amyl methyl ether	10.150	73	2296625	199.29	ug/kg	97
49) heptane	10.514	43	1810861	200.32	ug/kg	98
50) trichloroethene	10.656	95	1156337	207.51	ug/kg	98
51) 1,2-dichloropropane	10.629	63	1148728	211.01	ug/kg	99
52) dibromomethane	10.602	93	619334	207.26	ug/kg	98
53) bromodichloromethane	10.716	83	1457469	211.26	ug/kg	100
54) Methylcyclohexane	11.181	83	1830838	215.59	ug/kg	97
55) 2-chloroethyl vinyl ether	11.087	63	472298	220.35	ug/kg	99
56) methyl methacrylate	10.804	69	667959	228.68	ug/kg	92
57) 1,4-dioxane	10.811	88	46531	1153.33	ug/kg	82
58) cis-1,3-dichloropropene	11.336	75	1794529	220.26	ug/kg	98
60) 4-methyl-2-pentanone	11.424	43	1164744	191.80	ug/kg	98
61) toluene	12.117	92	3055617	246.77	ug/kg	100
62) trans-1,3-dichloropropene	11.754	75	1500348	223.40	ug/kg	96
63) 1,1,2-trichloroethane	11.929	83	771993	211.66	ug/kg	95
64) ethyl methacrylate	12.124	69	1451585	248.82	ug/kg	96
66) tetrachloroethene	12.858	166	1028886	176.83	ug/kg	97
67) 1,3-dichloropropane	12.165	76	1606849	189.68	ug/kg	100
68) dibromochloromethane	12.461	129	1205308	190.07	ug/kg	98
69) 1,2-dibromoethane	12.717	107	1000321	182.87	ug/kg	98
70) 2-hexanone	12.279	43	1037566	155.66	ug/kg	99
71) chlorobenzene	13.545	112	3442279	194.22	ug/kg	97
72) 1,1,1,2-tetrachloroethane	13.465	131	1187570	193.49	ug/kg	98
73) ethylbenzene	13.714	91	5702729	198.93	ug/kg	98
74) m,p-xylene	13.903	106	5127793	436.86	ug/kg	96
75) o-xylene	14.313	106	2605488	223.40	ug/kg	95
76) styrene	14.239	104	3789925	212.70	ug/kg	98
77) bromoform	14.071	173	735421	201.69	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.462	53	414221	183.78	ug/kg	92
80) isopropylbenzene	14.677	105	6569800	200.65	ug/kg	97
82) bromobenzene	14.967	156	1516268	198.08	ug/kg	97
83) 1,1,2,2-tetrachloroethane	14.320	83	1541143	188.62	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	1529288	185.09	ug/kg	99
85) n-propylbenzene	15.122	91	7451182	193.31	ug/kg	96
86) 2-chlorotoluene	15.243	91	4364445	195.16	ug/kg	97
87) 4-chlorotoluene	15.317	91	4401027	197.37	ug/kg	97
88) 1,3,5-trimethylbenzene	15.398	105	5744824	210.21	ug/kg	96
89) tert-butylbenzene	15.708	91	3123079	204.97	ug/kg	90
90) 1,2,4-trimethylbenzene	15.809	105	5697208	213.02	ug/kg	98
91) sec-butylbenzene	15.930	105	7850031	209.89	ug/kg	96
92) 1,3-dichlorobenzene	16.038	146	3350938	210.74	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58643.D
Acq On : 21 Aug 2013 6:07 pm
Operator : krystend
Sample : IC2022-200
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 22 08:39:10 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:08 2013
Response via : Initial Calibration

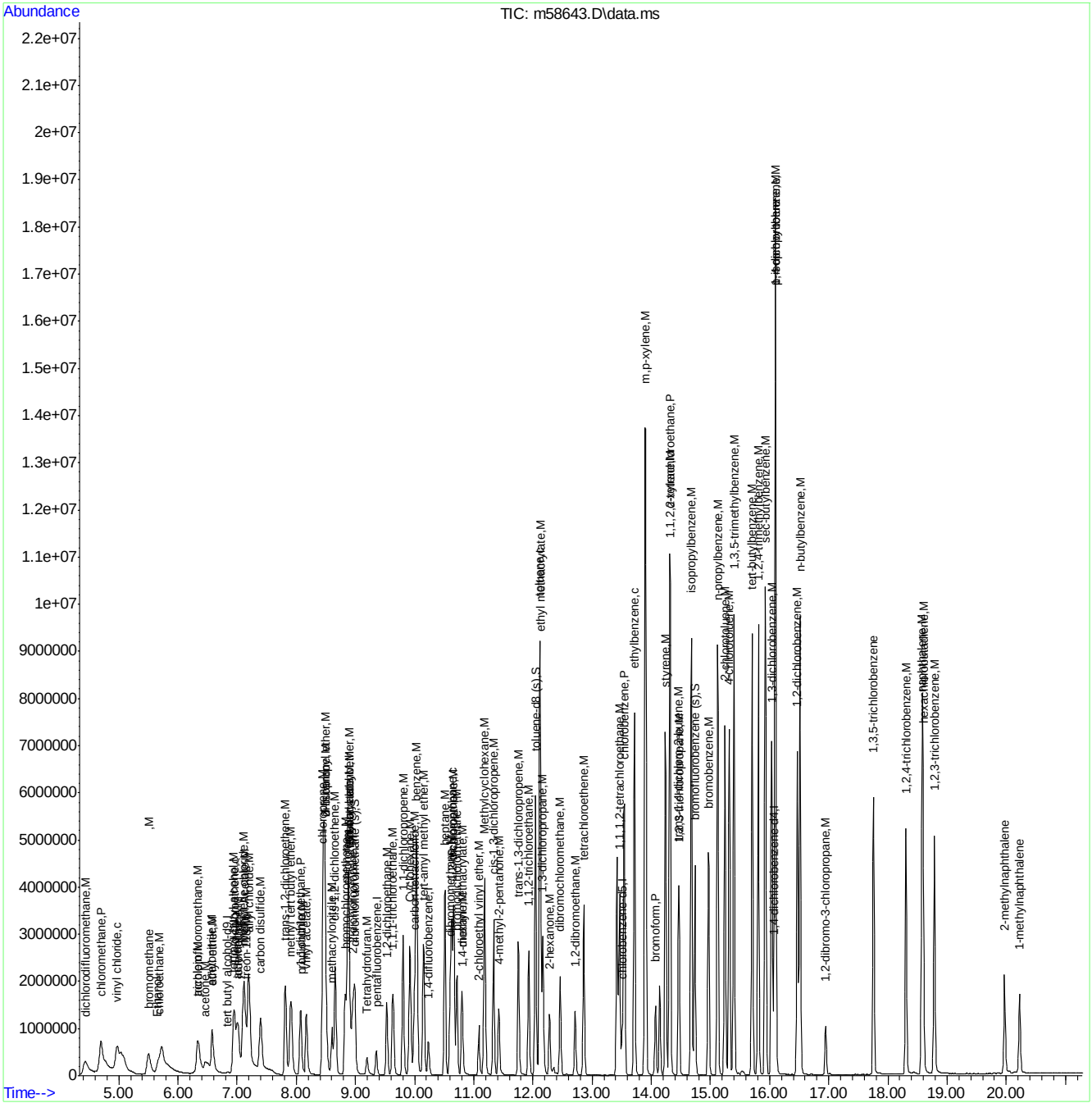
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	6486059	222.25	ug/kg	97
94) 1,4-dichlorobenzene	16.099	146	3630141	218.27	ug/kg	98
95) 1,2-dichlorobenzene	16.469	146	3077761	201.96	ug/kg	99
96) n-butylbenzene	16.516	91	5701721	193.40	ug/kg	96
97) 1,2-dibromo-3-chloropr...	16.947	75	250493	146.58	ug/kg	98
98) 1,3,5-trichlorobenzene	17.756	180	1877473	181.53	ug/kg	100
99) 1,2,4-trichlorobenzene	18.308	180	1733939	179.26	ug/kg	100
100) hexachlorobutadiene	18.598	225	963373	194.70	ug/kg	99
101) naphthalene	18.578	128	5301886	213.23	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	1719504	186.32	ug/kg	96
103) 2-methylnaphthalene	19.972	142	1245815	93.60	ug/kg	99
104) 1-methylnaphthalene	20.228	TIC	3807135	51.60	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58643.D
Acq On : 21 Aug 2013 6:07 pm
Operator : krystend
Sample : IC2022-200
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 22 08:39:10 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:08 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58644.D
Acq On : 21 Aug 2013 6:36 pm
Operator : krystend
Sample : IC2022-400
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 22 08:30:13 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:45 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	194853	500.00	ug/kg	0.00
4) pentafluorobenzene		9.356	168	450140	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.238	114	790850	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	502580	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.078	152	462629	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	2775230	488.21	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	976.42%#		
59) toluene-d8 (s)		12.043	98	10389464	507.58	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	1015.16%#		
81) bromofluorobenzene (s)		14.738	95	3870385	429.46	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	858.92%#		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	2015975	3835.51	ug/kg	97
3) Ethanol		5.657	45	2095204	48095.55	ug/kg	97
5) dichlorodifluoromethane		4.431	85	2097448	322.40	ug/kg	99
6) chloromethane		4.701	50	3085778	303.69	ug/kg	96
7) vinyl chloride		4.977	62	3776871	320.92	ug/kg	96
8) bromomethane	...	5.502	96	1806369m	337.32	ug/kg	
9) chloroethane		5.684	64	1279011m	339.13	ug/kg	
10) ethyl ether		6.580	59	1707389	393.94	ug/kg	93
11) acetonitrile		6.580	41	594613	438.56	ug/kg	92
12) trichlorofluoromethane		6.344	101	3356159	358.71	ug/kg	98
13) freon-113		7.153	101	1737455	356.73	ug/kg	94
14) acrolein		6.324	56	688875	2231.33	ug/kg	99
15) 1,1-dichloroethene		6.951	96	1994836	375.58	ug/kg	92
16) acetone		6.459	58	349261	314.99	ug/kg	89
17) Methyl Acetate		7.119	43	3091878	429.52	ug/kg	98
18) methylene chloride		7.106	84	2093191m	375.42	ug/kg	
19) methyl tert butyl ether		7.914	73	5165901	381.58	ug/kg	96
20) acrylonitrile		6.991	53	905375	409.69	ug/kg	92
21) allyl chloride		7.200	41	3874909	368.07	ug/kg	99
22) trans-1,2-dichloroethene		7.813	96	2350174	384.16	ug/kg	96
23) iodomethane		7.018	142	4164244	420.26	ug/kg	100
24) carbon disulfide		7.395	76	6641329	371.79	ug/kg	99
25) propionitrile		8.076	54	323884	444.68	ug/kg	100
26) vinyl acetate		8.170	43	5460080	455.87	ug/kg	98
27) chloroprene		8.446	53	3703626	404.15	ug/kg	94
28) di-isopropyl ether		8.487	45	8890328	404.72	ug/kg	94
29) methacrylonitrile		8.601	41	1477167	397.53	ug/kg	95
30) 2-butanone		8.487	72	376202	399.16	ug/kg#	34
31) 1,1-dichloroethane		8.076	63	3766167	381.23	ug/kg	97
32) tert-butyl ethyl ether		8.891	59	6625255	407.35	ug/kg	98
33) isobutyl alcohol		8.897	43	1460827	1747.79	ug/kg	91
34) 2,2-dichloropropane		8.958	77	2349805	350.26	ug/kg	99
35) cis-1,2-dichloroethene		8.655	96	2827810	414.55	ug/kg	94
36) ethyl acetate		8.897	43	1478167	352.20	ug/kg	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58644.D
Acq On : 21 Aug 2013 6:36 pm
Operator : krystend
Sample : IC2022-400
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 22 08:30:13 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	1340994	443.49	ug/kg#	85
38) chloroform	8.871	83	4239773	418.35	ug/kg	92
40) Tetrahydrofuran	9.194	42	757784	329.54	ug/kg	95
41) 1,1,1-trichloroethane	9.632	97	3064286	365.58	ug/kg	96
43) Cyclohexane	9.921	56	3482030	351.58	ug/kg	99
44) carbon tetrachloride	10.002	117	3262121	404.29	ug/kg	98
45) 1,1-dichloropropene	9.807	75	3197941	393.39	ug/kg	97
46) benzene	10.036	78	9782991	383.32	ug/kg	100
47) 1,2-dichloroethane	9.531	62	3011398	372.43	ug/kg	97
48) tert-amyl methyl ether	10.150	73	5253965	381.10	ug/kg	97
49) heptane	10.514	43	4149356	383.39	ug/kg	97
50) trichloroethene	10.662	95	2770519	413.44	ug/kg	91
51) 1,2-dichloropropane	10.629	63	2695818	410.49	ug/kg	98
52) dibromomethane	10.602	93	1501013	417.50	ug/kg	94
53) bromodichloromethane	10.716	83	3398567	408.29	ug/kg	99
54) Methylcyclohexane	11.181	83	4095699	398.50	ug/kg	97
55) 2-chloroethyl vinyl ether	11.087	63	1135994	436.46	ug/kg	98
56) methyl methacrylate	10.797	69	1598771	448.12	ug/kg	93
57) 1,4-dioxane	10.804	88	109008	2201.10	ug/kg	95
58) cis-1,3-dichloropropene	11.336	75	4248303	429.42	ug/kg	96
60) 4-methyl-2-pentanone	11.424	43	2714782	375.70	ug/kg	97
61) toluene	12.117	92	7116960	464.68	ug/kg	97
62) trans-1,3-dichloropropene	11.754	75	3536232	432.67	ug/kg	92
63) 1,1,2-trichloroethane	11.929	83	1846733	419.53	ug/kg	96
64) ethyl methacrylate	12.124	69	3477700	481.25	ug/kg	96
66) tetrachloroethene	12.858	166	2632380	320.85	ug/kg	98
67) 1,3-dichloropropane	12.165	76	3695756	307.18	ug/kg	100
68) dibromochloromethane	12.461	129	3102479	344.40	ug/kg	98
69) 1,2-dibromoethane	12.717	107	2402465	310.77	ug/kg	99
70) 2-hexanone	12.279	43	2223796	240.81	ug/kg	99
71) chlorobenzene	13.546	112	8423704	333.56	ug/kg	95
72) 1,1,1,2-tetrachloroethane	13.465	131	3010765	344.46	ug/kg	99
73) ethylbenzene	13.714	91	13272448	323.85	ug/kg	95
74) m,p-xylene	13.903	106	12252746	720.12	ug/kg#	60
75) o-xylene	14.313	106	6055193	356.91	ug/kg	93
76) styrene	14.239	104	8932377	347.23	ug/kg	100
77) bromoform	14.071	173	1945658	372.50	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.462	53	965761	302.99	ug/kg	96
80) isopropylbenzene	14.677	105	14971593	379.89	ug/kg	89
82) bromobenzene	14.974	156	3816127	414.94	ug/kg	85
83) 1,1,2,2-tetrachloroethane	14.320	83	3606993	369.94	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	3584832	364.51	ug/kg	99
85) n-propylbenzene	15.122	91	15905929	344.64	ug/kg	80
86) 2-chlorotoluene	15.243	91	10186323	379.91	ug/kg	94
87) 4-chlorotoluene	15.317	91	10067942	376.00	ug/kg	93
88) 1,3,5-trimethylbenzene	15.398	105	13317400	402.11	ug/kg	93
89) tert-butylbenzene	15.708	91	7436905	404.27	ug/kg	93
90) 1,2,4-trimethylbenzene	15.809	105	13284619	409.07	ug/kg	94
91) sec-butylbenzene	15.924	105	16533790	364.88	ug/kg	90
92) 1,3-dichlorobenzene	16.038	146	8142837	422.41	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58644.D
Acq On : 21 Aug 2013 6:36 pm
Operator : krystend
Sample : IC2022-400
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 22 08:30:13 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:45 2013
Response via : Initial Calibration

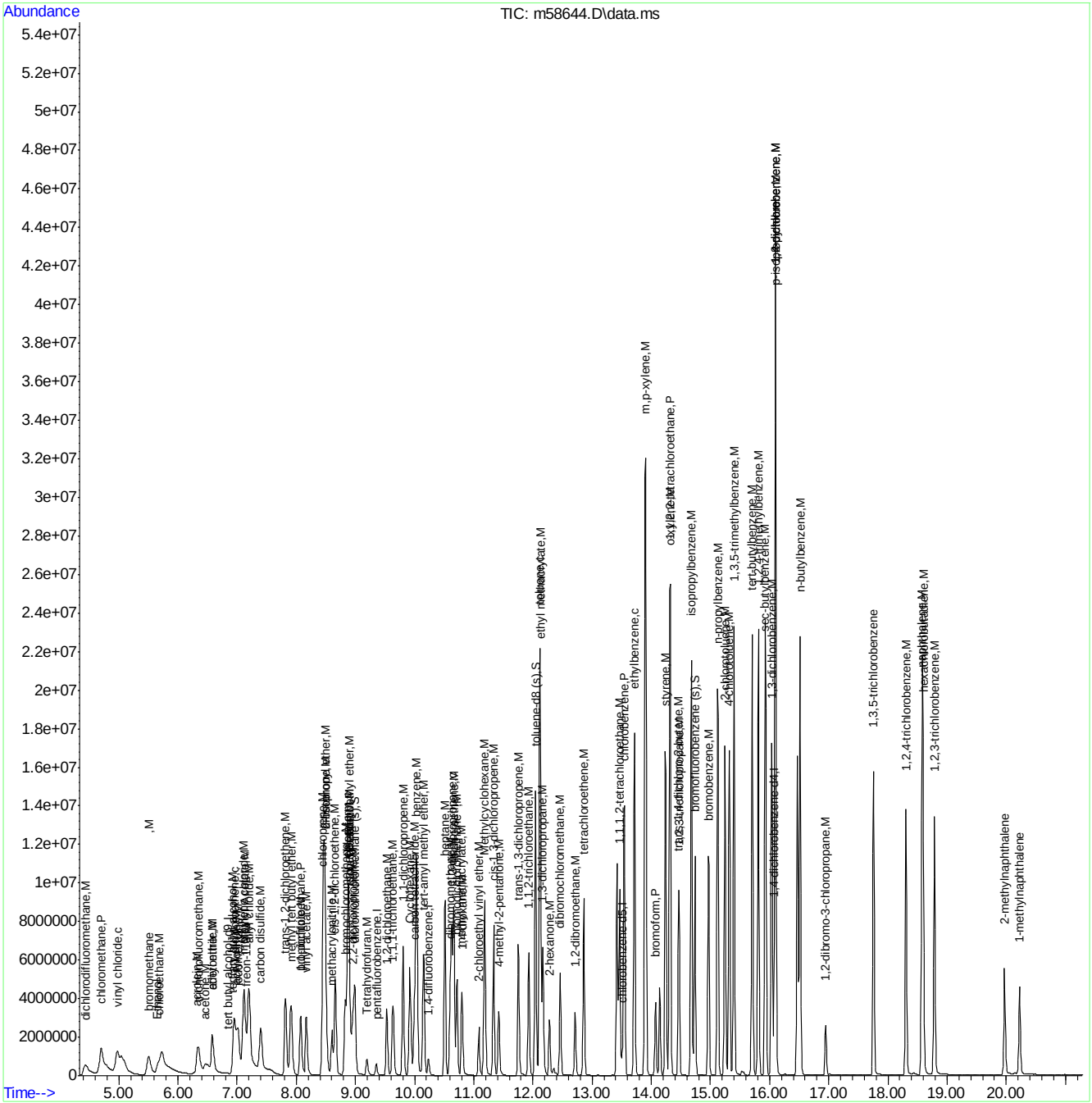
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	14904655	417.87	ug/kg	86
94)	1,4-dichlorobenzene	16.105	146	8925666	440.34	ug/kg	97
95)	1,2-dichlorobenzene	16.105	146	8987257	489.50	ug/kg	96
96)	n-butylbenzene	16.516	91	13140041	372.22	ug/kg	91
97)	1,2-dibromo-3-chloropr...	16.947	75	616936	311.97	ug/kg	94
98)	1,3,5-trichlorobenzene	17.756	180	5144047	418.93	ug/kg	99
99)	1,2,4-trichlorobenzene	18.308	180	4703433	410.24	ug/kg	100
100)	hexachlorobutadiene	18.598	225	2684090	452.61	ug/kg	100
101)	naphthalene	18.578	128	14262903	472.33	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	4636056	421.68	ug/kg	96
103)	2-methylnaphthalene	19.972	142	3271194	206.17	ug/kg	99
104)	1-methylnaphthalene	20.228	TIC	9528647	115.32	ug/kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58644.D
Acq On : 21 Aug 2013 6:36 pm
Operator : krystend
Sample : IC2022-400
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 22 08:30:13 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:29:45 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 08/22/13 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58647.D
Acq On : 21 Aug 2013 8:04 pm
Operator : krystend
Sample : ICV2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 22 08:42:41 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.836	65	169879	500.00	ug/kg	-0.01
4) pentafluorobenzene		9.349	168	348434	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	593147	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.512	82	266098	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.078	152	279736	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	215604	48.34	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 96.68%			
59) toluene-d8 (s)		12.043	98	746048	47.67	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 95.34%			
81) bromofluorobenzene (s)		14.738	95	257294	47.36	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 94.72%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	314181	689.16	ug/kg	95
3) Ethanol		5.644	45	185479	4133.98	ug/kg	95
5) dichlorodifluoromethane		4.424	85	303384	61.74	ug/kg	99
6) chloromethane		4.687	50	479044	62.80	ug/kg	98
7) vinyl chloride		4.963	62	377845m	42.53	ug/kg	
8) bromomethane	...	5.502	96	218727	53.80	ug/kg	100
9) chloroethane		5.671	64	160747	56.29	ug/kg	97
10) ethyl ether		6.573	59	180761	53.98	ug/kg	97
11) acetonitrile		6.573	41	48541	47.49	ug/kg	96
12) trichlorofluoromethane		6.331	101	357635m	49.98	ug/kg	
13) freon-113		7.146	101	226923	61.11	ug/kg	98
14) acrolein		6.324	56	113661	440.82	ug/kg	96
15) 1,1-dichloroethene		6.944	96	234174	57.40	ug/kg	95
16) acetone		6.472	58	35940	46.72	ug/kg#	77
17) Methyl Acetate		7.132	43	244435	43.47	ug/kg	94
18) methylene chloride		7.099	84	245917m	50.63	ug/kg	
19) methyl tert butyl ether		7.907	73	566228	54.37	ug/kg	99
20) acrylonitrile		7.004	53	91901	53.54	ug/kg	91
21) allyl chloride		7.193	41	425190	52.70	ug/kg	98
22) trans-1,2-dichloroethene		7.813	96	245658	52.18	ug/kg	97
23) iodomethane		7.011	142	431885	55.96	ug/kg	98
24) carbon disulfide		7.388	76	781066	56.99	ug/kg	98
25) propionitrile		8.156	54	31207	54.48	ug/kg	100
26) vinyl acetate		8.170	43	381692	39.03	ug/kg	99
27) chloroprene		8.446	53	405732	57.12	ug/kg	99
28) di-isopropyl ether		8.480	45	871390	51.17	ug/kg	97
29) methacrylonitrile		8.601	41	142451	49.56	ug/kg	98
30) 2-butanone		8.493	72	35263	44.70	ug/kg#	32
31) 1,1-dichloroethane		8.069	63	445499	58.60	ug/kg	98
32) tert-butyl ethyl ether		8.884	59	698734	55.37	ug/kg	99
33) isobutyl alcohol		8.884	43	178064	279.78	ug/kg	91
34) 2,2-dichloropropane		8.951	77	297815	58.27	ug/kg	100
35) cis-1,2-dichloroethene		8.655	96	265225	50.02	ug/kg	97
36) ethyl acetate		8.884	43	169102	52.65	ug/kg	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58647.D
Acq On : 21 Aug 2013 8:04 pm
Operator : krystend
Sample : ICV2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 22 08:42:41 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	134925	56.87	ug/kg	97
38) chloroform	8.864	83	439636	55.72	ug/kg	98
40) Tetrahydrofuran	9.194	42	83642	50.18	ug/kg	97
41) 1,1,1-trichloroethane	9.632	97	375107	58.44	ug/kg	97
43) Cyclohexane	9.914	56	390330	53.34	ug/kg	96
44) carbon tetrachloride	10.002	117	351442	57.98	ug/kg	98
45) 1,1-dichloropropene	9.807	75	323349	53.13	ug/kg	99
46) benzene	10.029	78	965583	50.67	ug/kg	99
47) 1,2-dichloroethane	9.524	62	317441	52.79	ug/kg	99
48) tert-amyl methyl ether	10.150	73	562333	54.69	ug/kg	98
49) heptane	10.507	43	407150	50.42	ug/kg	100
50) trichloroethene	10.655	95	250901	49.73	ug/kg	99
51) 1,2-dichloropropane	10.622	63	253146	51.21	ug/kg	100
52) dibromomethane	10.602	93	159676	58.88	ug/kg	99
53) bromodichloromethane	10.709	83	335264	53.55	ug/kg	99
54) Methylcyclohexane	11.181	83	421581	54.70	ug/kg	98
55) 2-chloroethyl vinyl ether	11.087	63	90377	45.76	ug/kg	99
56) methyl methacrylate	10.804	69	150149	55.27	ug/kg	94
57) 1,4-dioxane	10.810	88	11261	270.06	ug/kg#	63
58) cis-1,3-dichloropropene	11.336	75	373879	49.92	ug/kg	99
60) 4-methyl-2-pentanone	11.423	43	272672	50.68	ug/kg	99
61) toluene	12.117	92	609992	52.04	ug/kg	99
62) trans-1,3-dichloropropene	11.753	75	334781	54.05	ug/kg	100
63) 1,1,2-trichloroethane	11.929	83	175214	52.74	ug/kg	99
64) ethyl methacrylate	12.124	69	292756	51.05	ug/kg	98
66) tetrachloroethene	12.858	166	241322	56.80	ug/kg	98
67) 1,3-dichloropropane	12.164	76	334352	54.02	ug/kg	99
68) dibromochloromethane	12.461	129	263738	56.27	ug/kg	98
69) 1,2-dibromoethane	12.717	107	222008	55.79	ug/kg	99
70) 2-hexanone	12.286	43	216488	44.16	ug/kg	99
71) chlorobenzene	13.545	112	681010	52.01	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.464	131	247166	54.35	ug/kg	97
73) ethylbenzene	13.714	91	1157180	54.63	ug/kg	99
74) m,p-xylene	13.902	106	943772	106.09	ug/kg	99
75) o-xylene	14.313	106	465934	52.58	ug/kg	99
76) styrene	14.239	104	705424	52.66	ug/kg	96
77) bromoform	14.071	173	167424	61.07	ug/kg	100
78) trans-1,4-dichloro-2-b...	14.461	53	89048	54.42	ug/kg	97
80) isopropylbenzene	14.677	105	1201019	50.72	ug/kg	99
82) bromobenzene	14.973	156	289397	51.80	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.320	83	314422	53.84	ug/kg	100
84) 1,2,3-trichloropropane	14.468	75	322765	54.89	ug/kg	97
85) n-propylbenzene	15.122	91	1368254	49.89	ug/kg	99
86) 2-chlorotoluene	15.243	91	796770	49.46	ug/kg	100
87) 4-chlorotoluene	15.317	91	798447	49.75	ug/kg	98
88) 1,3,5-trimethylbenzene	15.398	105	1016319	50.72	ug/kg	100
89) tert-butylbenzene	15.708	91	561796	50.44	ug/kg	100
90) 1,2,4-trimethylbenzene	15.809	105	995613	50.56	ug/kg	99
91) sec-butylbenzene	15.930	105	1368000	50.48	ug/kg	100
92) 1,3-dichlorobenzene	16.038	146	559210	47.64	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58647.D
Acq On : 21 Aug 2013 8:04 pm
Operator : krystend
Sample : ICV2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 22 08:42:41 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

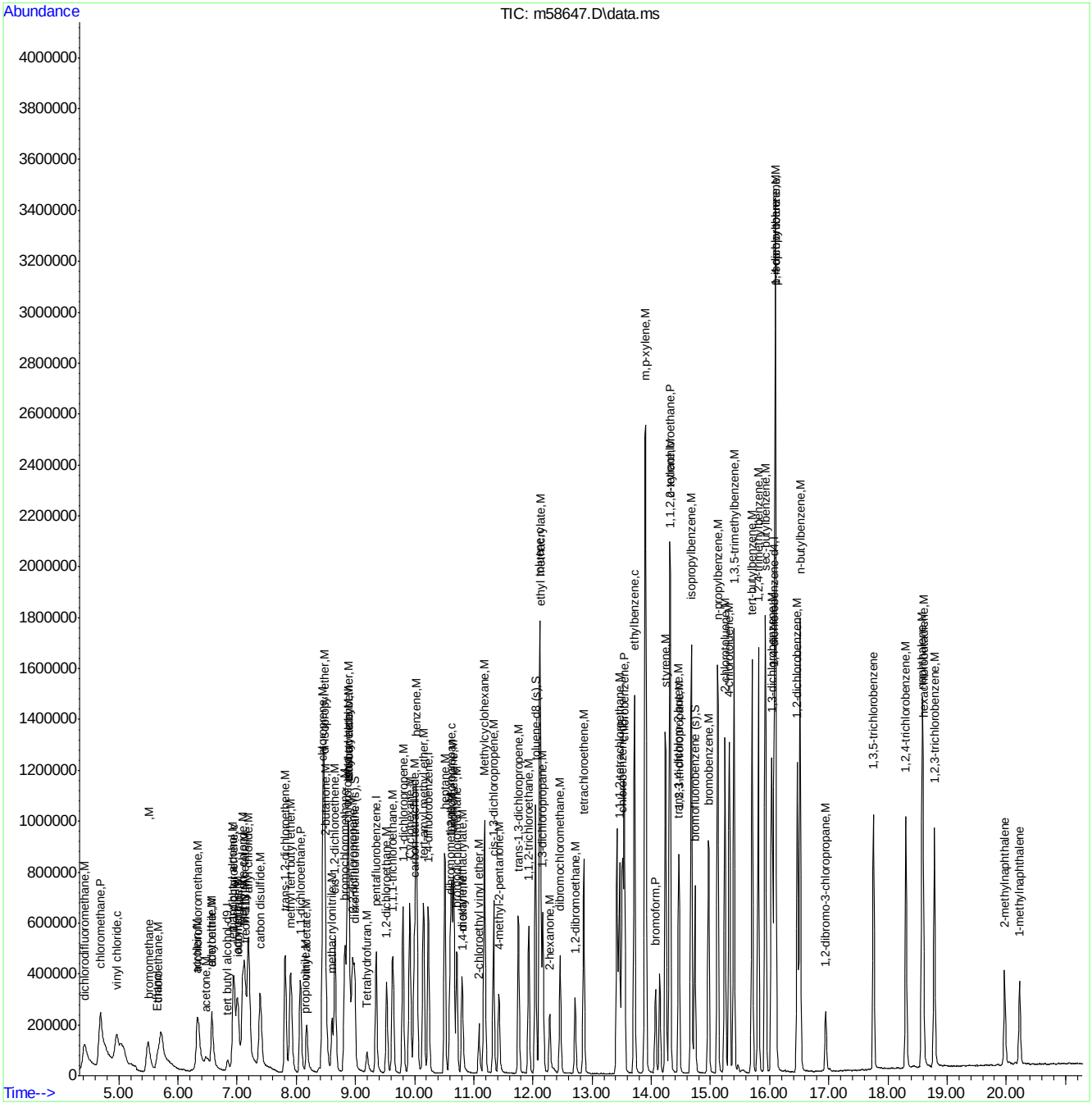
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.098	119	1181707	54.49	ug/kg	100
94)	1,4-dichlorobenzene	16.098	146	637716	51.46	ug/kg	99
95)	1,2-dichlorobenzene	16.469	146	545723	47.82	ug/kg	100
96)	n-butylbenzene	16.516	91	1084572	51.25	ug/kg	97
97)	1,2-dibromo-3-chloropr...	16.947	75	58334	57.88	ug/kg	94
98)	1,3,5-trichlorobenzene	17.756	180	326013	43.66	ug/kg	99
99)	1,2,4-trichlorobenzene	18.301	180	338889	48.73	ug/kg	99
100)	hexachlorobutadiene	18.598	225	176214	48.35	ug/kg	100
101)	naphthalene	18.577	128	945392	50.63	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	325071	48.57	ug/kg	95
103)	2-methylnaphthalene	19.979	142	237468	24.66	ug/kg	98
104)	1-methylnaphthalene	20.228	TIC	757045	24.37	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130821.S\
Data File : m58647.D
Acq On : 21 Aug 2013 8:04 pm
Operator : krystend
Sample : ICV2022-50
Misc : MS29707,MSM2022,5,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 22 08:42:41 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/10/13 11:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59046.D
Acq On : 9 Sep 2013 8:51 am
Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:30:04 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	151692	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	396695	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	668568	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	314658	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	394718	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	206477	40.66	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 81.32%			
59) toluene-d8 (s)	12.043	98	746902	42.34	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.68%			
81) bromofluorobenzene (s)	14.738	95	298895	38.99	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 77.98%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	198011	486.42	ug/kg	99
3) Ethanol	5.644	45	182867	4557.31	ug/kg	97
5) dichlorodifluoromethane	4.431	85	292864	52.35	ug/kg	96
6) chloromethane	4.694	50	416308	47.93	ug/kg	99
7) vinyl chloride	4.963	62	447392m	44.23	ug/kg	
8) bromomethane ...	5.496	96	235540	50.89	ug/kg	97
9) chloroethane	5.671	64	171182	52.65	ug/kg	98
10) ethyl ether	6.573	59	191885	50.33	ug/kg	91
11) acetonitrile	6.567	41	51444	44.55	ug/kg	90
12) trichlorofluoromethane	6.331	101	458088m	56.23	ug/kg	
13) freon-113	7.146	101	237305	56.13	ug/kg	86
14) acrolein	6.324	56	63253	221.24	ug/kg	99
15) 1,1-dichloroethene	6.944	96	250101	53.84	ug/kg	83
16) acetone	6.479	58	34634	39.55	ug/kg#	66
17) Methyl Acetate	7.126	43	303547	47.41	ug/kg	99
18) methylene chloride	7.099	84	291450m	52.70	ug/kg	
19) methyl tert butyl ether	7.900	73	582389	49.12	ug/kg	96
20) acrylonitrile	6.998	53	92536	47.35	ug/kg	94
21) allyl chloride	7.193	41	455017	49.54	ug/kg	98
22) trans-1,2-dichloroethene	7.806	96	282458	52.70	ug/kg	93
23) iodomethane	7.005	142	539519	61.40	ug/kg	98
24) carbon disulfide	7.389	76	861710	55.23	ug/kg	99
25) propionitrile	8.150	54	33849	51.91	ug/kg	100
26) vinyl acetate	8.170	43	542242	48.70	ug/kg	98
27) chloroprene	8.439	53	404556	50.03	ug/kg	98
28) di-isopropyl ether	8.480	45	952191	49.11	ug/kg	92
29) methacrylonitrile	8.601	41	142190	43.45	ug/kg	97
30) 2-butanone	8.500	72	28020	30.18	ug/kg#	45
31) 1,1-dichloroethane	8.069	63	436884	50.48	ug/kg	98
32) tert-butyl ethyl ether	8.884	59	708844	49.34	ug/kg	96
33) isobutyl alcohol	8.884	43	180850	249.59	ug/kg	93
34) 2,2-dichloropropane	8.951	77	303712	52.19	ug/kg	100
35) cis-1,2-dichloroethene	8.655	96	315197	52.21	ug/kg	95
36) ethyl acetate	8.884	43	152724	41.76	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59046.D
Acq On : 9 Sep 2013 8:51 am
Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:30:04 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	152743	56.55	ug/kg#	83
38) chloroform	8.864	83	454426	50.59	ug/kg	97
40) Tetrahydrofuran	9.194	42	77156	40.66	ug/kg	92
41) 1,1,1-trichloroethane	9.632	97	392912	53.77	ug/kg	97
43) Cyclohexane	9.915	56	446909	54.18	ug/kg	99
44) carbon tetrachloride	9.995	117	386198	56.53	ug/kg	100
45) 1,1-dichloropropene	9.800	75	356094	51.91	ug/kg	97
46) benzene	10.029	78	1079337	50.25	ug/kg	99
47) 1,2-dichloroethane	9.524	62	340939	50.30	ug/kg	97
48) tert-amyl methyl ether	10.150	73	588105	50.75	ug/kg	96
49) heptane	10.507	43	455576	50.05	ug/kg	99
50) trichloroethene	10.656	95	298887	52.55	ug/kg	90
51) 1,2-dichloropropane	10.622	63	287538	51.61	ug/kg	98
52) dibromomethane	10.602	93	159900	52.31	ug/kg	89
53) bromodichloromethane	10.710	83	373550	52.93	ug/kg	99
54) Methylcyclohexane	11.181	83	490871	56.51	ug/kg	95
55) 2-chloroethyl vinyl ether	11.087	63	88096	39.58	ug/kg	97
56) methyl methacrylate	10.804	69	152870	49.92	ug/kg	93
57) 1,4-dioxane	10.804	88	10334	219.02	ug/kg	85
58) cis-1,3-dichloropropene	11.336	75	448546	53.13	ug/kg	96
60) 4-methyl-2-pentanone	11.424	43	266405	43.93	ug/kg	97
61) toluene	12.117	92	718935	54.41	ug/kg	97
62) trans-1,3-dichloropropene	11.754	75	374995	53.71	ug/kg	92
63) 1,1,2-trichloroethane	11.929	83	199126	53.17	ug/kg	88
64) ethyl methacrylate	12.124	69	309062	47.82	ug/kg	99
66) tetrachloroethene	12.858	166	310239	61.76	ug/kg	97
67) 1,3-dichloropropane	12.165	76	372148	50.84	ug/kg	99
68) dibromochloromethane	12.461	129	335425	60.52	ug/kg	97
69) 1,2-dibromoethane	12.710	107	261043	55.48	ug/kg	99
70) 2-hexanone	12.286	43	179722	31.00	ug/kg	99
71) chlorobenzene	13.546	112	905994	58.52	ug/kg	95
72) 1,1,1,2-tetrachloroethane	13.465	131	336533	62.58	ug/kg	98
73) ethylbenzene	13.714	91	1366774	54.56	ug/kg	97
74) m,p-xylene	13.903	106	1171196	111.33	ug/kg	95
75) o-xylene	14.313	106	597726	57.04	ug/kg	91
76) styrene	14.239	104	915062	57.77	ug/kg	96
77) bromoform	14.071	173	208113	64.19	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.462	53	93793	48.47	ug/kg#	83
80) isopropylbenzene	14.677	105	1558520	46.64	ug/kg	96
82) bromobenzene	14.974	156	397894	50.47	ug/kg#	84
83) 1,1,2,2-tetrachloroethane	14.320	83	338770	41.11	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	351563	42.37	ug/kg	98
85) n-propylbenzene	15.122	91	1724276	44.56	ug/kg	95
86) 2-chlorotoluene	15.243	91	1014675	44.63	ug/kg	94
87) 4-chlorotoluene	15.317	91	1020678	45.07	ug/kg	92
88) 1,3,5-trimethylbenzene	15.398	105	1303105	46.09	ug/kg	96
89) tert-butylbenzene	15.708	91	702788	44.72	ug/kg	87
90) 1,2,4-trimethylbenzene	15.809	105	1302255	46.87	ug/kg	96
91) sec-butylbenzene	15.930	105	1793712	46.91	ug/kg	95
92) 1,3-dichlorobenzene	16.038	146	822702	49.67	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59046.D
Acq On : 9 Sep 2013 8:51 am
Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:30:04 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	1413360	46.19	ug/kg	97
94) 1,4-dichlorobenzene	16.099	146	842309	48.17	ug/kg	97
95) 1,2-dichlorobenzene	16.469	146	813244	50.50	ug/kg	97
96) n-butylbenzene	16.516	91	1317127	44.11	ug/kg	92
97) 1,2-dibromo-3-chloropr...	16.947	75	62637	42.68	ug/kg#	75
98) 1,3,5-trichlorobenzene	17.756	180	586239	55.64	ug/kg	100
99) 1,2,4-trichlorobenzene	18.301	180	554805	56.54	ug/kg	99
100) hexachlorobutadiene	18.598	225	269653	52.43	ug/kg	99
101) naphthalene	18.578	128	1359066	51.58	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	522003	55.27	ug/kg	97
103) 2-methylnaphthalene	19.972	142	363143	26.72	ug/kg	99
104) 1-methylnaphthalene	20.228	TIC	1087725	24.86	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

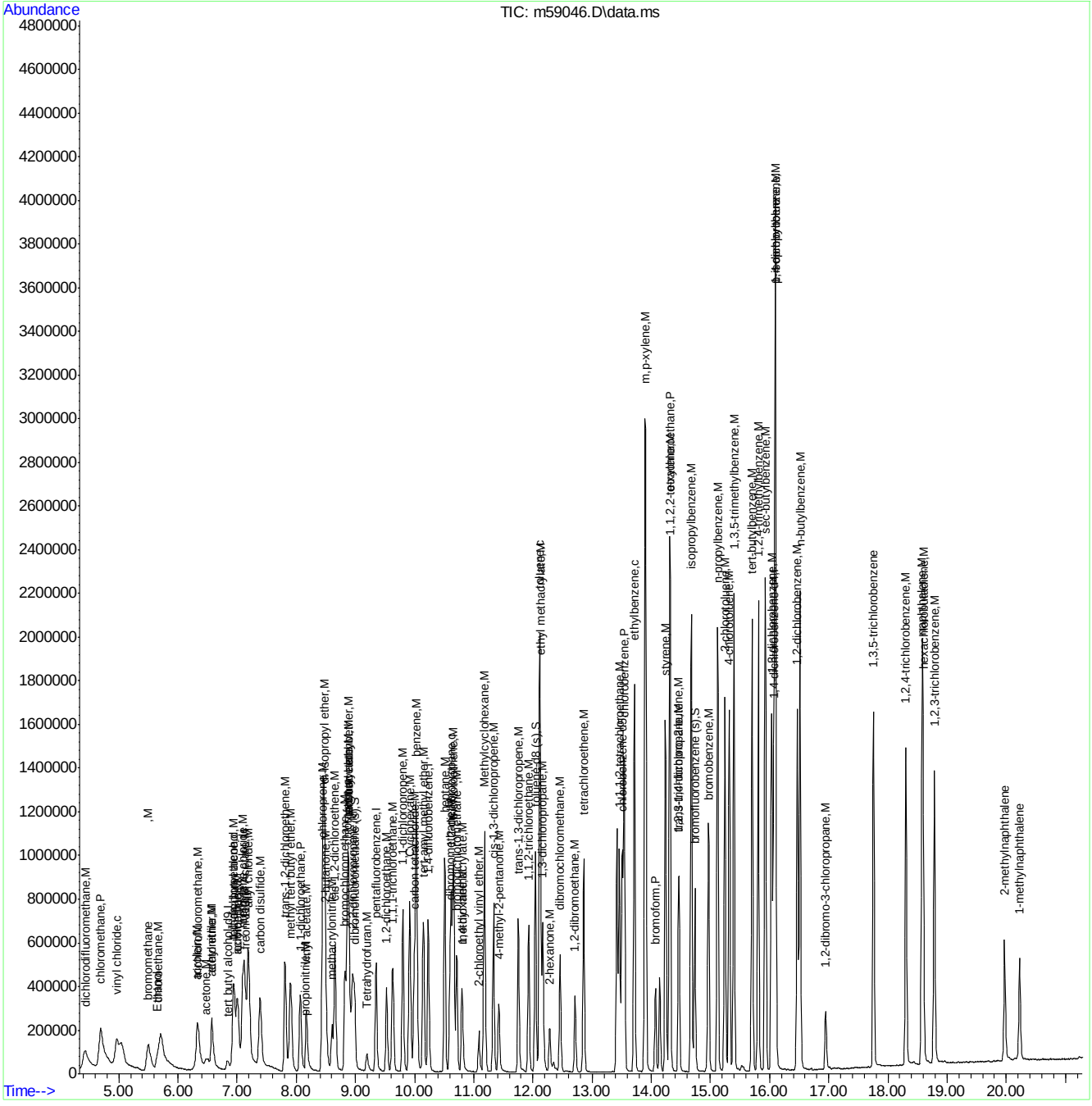
7.6.11

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59046.D
Acq On : 9 Sep 2013 8:51 am
Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

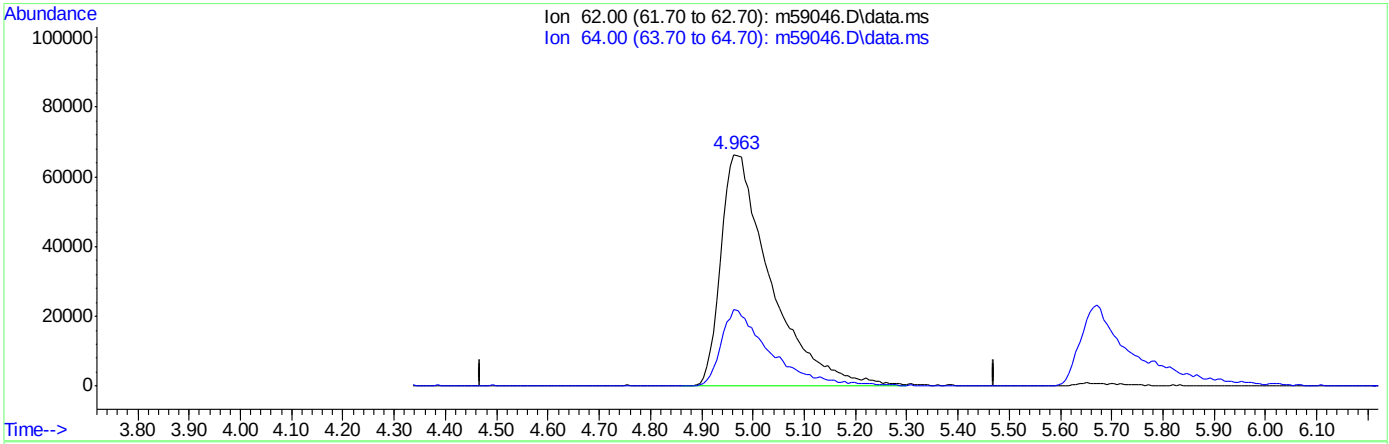
Quant Time: Sep 09 09:30:04 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration

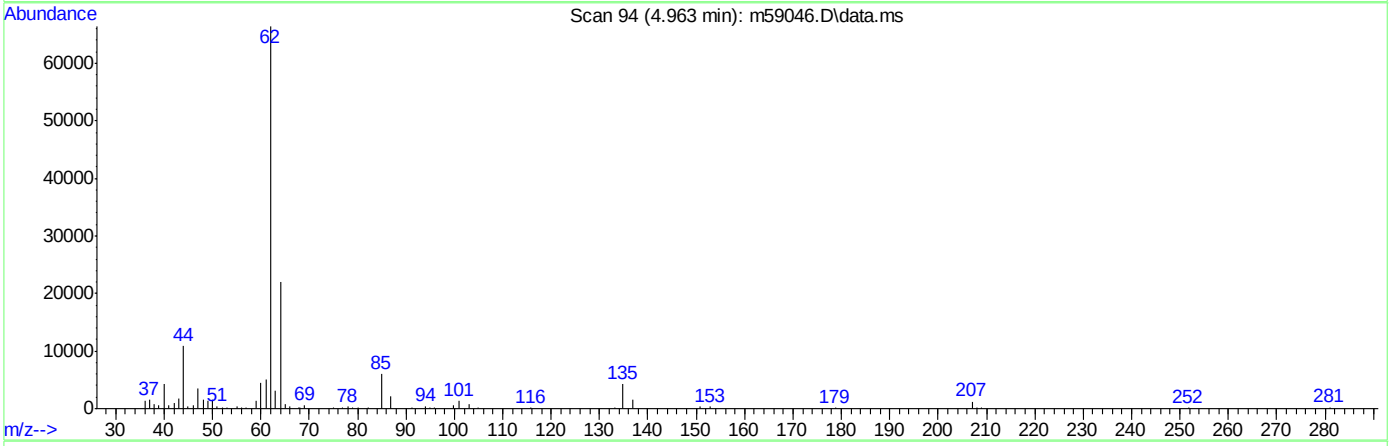


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59046.D
Acq On : 9 Sep 2013 8:51 am
Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:29:40 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59046.D\data.ms

(7) vinyl chloride (c)

4.963min (-0.007) 44.23ug/kg m

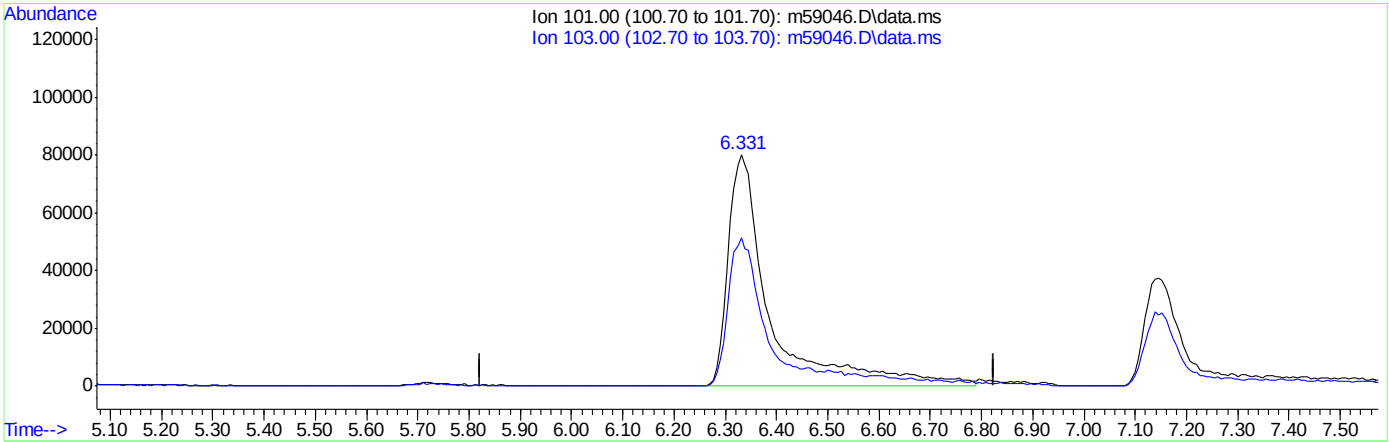
response 447392

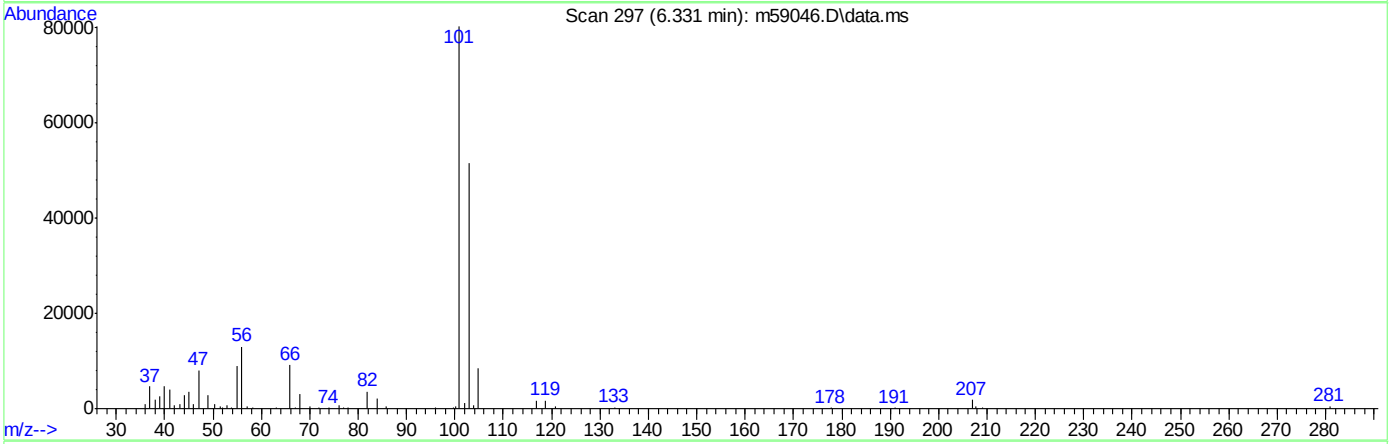
Ion	Exp%	Act%
62.00	100	100
64.00	29.50	33.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59046.D
Acq On : 9 Sep 2013 8:51 am
Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:29:40 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59046.D\data.ms

(12) trichlorofluoromethane (M)

6.331min (-0.013) 56.23ug/kg m

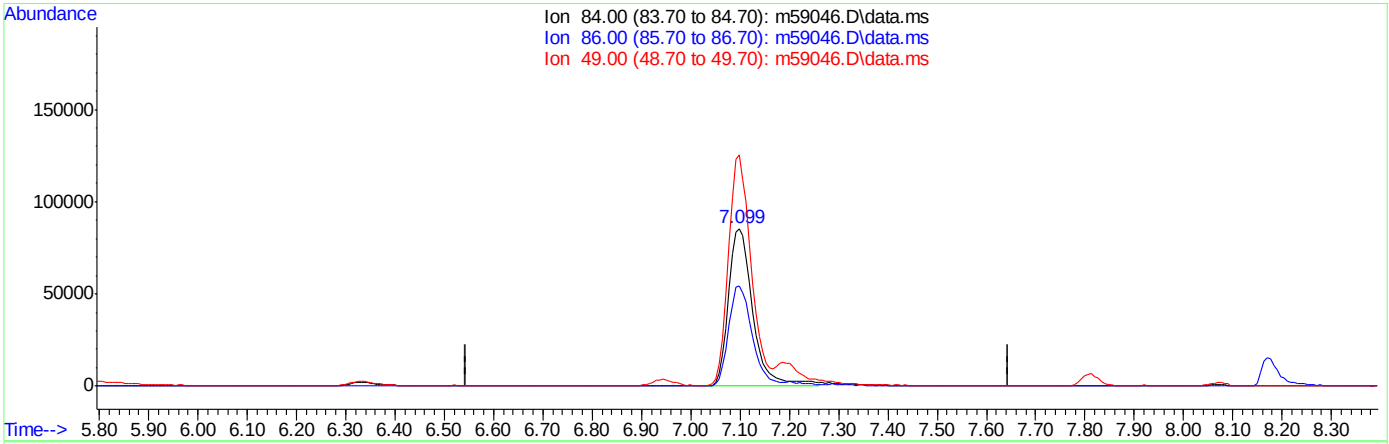
response 458088

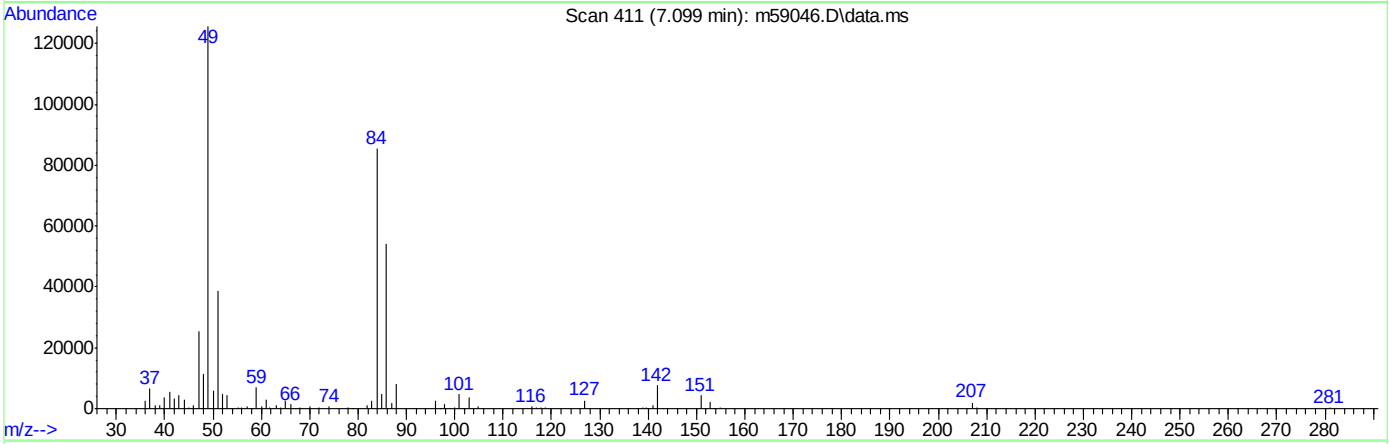
Ion	Exp%	Act%
101.00	100	100
103.00	62.50	64.25
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130909.S\
Data File : m59046.D
Acq On : 9 Sep 2013 8:51 am
Operator : krystend
Sample : cc2022-50
Misc : MS29833,MSM2039,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:29:40 2013
Quant Method : C:\msdchem\1\methods\M130821S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Aug 22 08:41:20 2013
Response via : Initial Calibration





TIC: m59046.D\data.ms

(18) methylene chloride (M)

7.099min (-0.006) 52.70ug/kg m

response 291450

Ion	Exp%	Act%
84.00	100	100
86.00	67.20	63.51
49.00	155.70	147.02
0.00	0.00	0.00

ACCUTEST LABORATORIES MC24064

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9347	8260CC (1)	200ug/mL
344	BS (2)	200
330	IS	250
307	SS	200

Daily Saved File

Tune file 1:	M58633
Tune file 2:	
Initial Cal:	8/21/13
ID File:	M130821S.M
ICAL Verified:	KD
Sequence verified:	KR

Date: 8/21/13

Batch ID: MSM2022

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M58625	blank	NA	NA	8260	1	NA	NA	NA	NA	NA	-
26	blank	1		Low	2						-
27	blank	↓		Soil	3						-
28	test 0.5	1		Curve	4						OK
29	test 5	1			5						OK
30	test 400	↓			6						OK
31	blank	NA			7						-
32	blank	1			8						-
33	bfb	1			9						✓✓
34	blank	↓			10						-
35	*IC2022-2	1			11						
36	-0.5				12						✓✓
37	-2				13						✓✓
38	-5				14						✓✓
39	-10				15						✓✓
40	-20				16						✓✓
41	ICC2022-50				17						✓✓
42	IC2022-100				18						✓✓
43	-200				19						✓✓
44	-400	↓			20						✓✓
45	blank	NA			21						
46	blank	↓			22						
47	ICV2022-50	2			23						✓✓
48	ICV2022-50	↓			24						
49	blank	NA			25						
50	blank	↓	↓	↓	26	↓	↓	↓	↓	↓	

8/21/13 KD

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

ACCUTEST LABORATORIES MC24064

Accutest Laboratories of New England, Inc.

Instrument: GCMS M

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9347	8260 CC	200ug/mL
↓ 44	↓ BS	200
↓ 49	↓ IS/SS	250

Daily Saved File

Tune file 1:	M58633
Tune file 2:	M58652
Initial Cal:	8/21/13
ID File:	M130821S.M
ICAL Verified:	KD
Sequence verified:	KD

Date: 8/22/13

Batch ID: MSM2022

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M58651	blank	NA	NA	NA	1	NA	NA	NA	NA	NA	-
52	CC2022-50	1			2						VV
53	BS	2			3						VV
54	blk	NA			4						-
55	mb	↓	↓	↓	5	↓	↓				VV
56	MC23682-1	11	MS29719	SL+	6	50	5.570				VV
57	-2	3			7		4.950				VV
58	-3	3			8		5.730				VV
59	MC23678-5	2		TCL	9		5.17				VV
60	MC23682-1MS	12		SL+	10		6.020				VV
61	-1MSD	8			11		6.120				VV
62	MC23527-1	3		RCP	12		5.870				Hold VV
63	-2	3			13		5.210				Time VV
64	-3	3			14		4.210				Today VV
65	MC23678-1	3		TCL	15		5.05				VV
66	-2	2			16		5.1				VV
67	MC23603-1	4		TCL+MTBE SPL, SPM	17		9.43				RR↓IS
68	-2	4			18		8.34				VV
69	-3	4			19		10.11				RR↓IS
70	-4	3			20		9.07				VV
71	-5	3			21		8.19				VV
72	-6	4			22		9.03				VV
73	-7	4			23		6.59				VV
74	MC23661-1	7		Std+MTBE	24		4.52				RR↓IS
75	-2	6			25		4.66				VV
76	blank	NA	NA	NA	26	NA	NA				-

8/22/13 KD

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9347	8260CC	200 ug/mL
44	BS	200
49	IS/SS	250

Daily Saved File

Tune file 1:	MS9046
Tune file 2:	NA
Initial Cal:	8/21/13
ID File:	M130821S.M
ICAL Verified:	KD
Sequence verified:	KR

Date: 9/9/13

Batch ID: MSM2039

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
MS9045	blank	NA	NA	NA	1	NA	NA	NA	NA	NA	-
46	CC2022-50	3			2						VV
47	BS	3			3						VV
48	BSD	3			4						-
49	iblk	NA			5						-
50	mb	NA			6						VV
51	MC24071-18	2	MS29844	BTXN	7	SO	12.56				VV
52	MC24075-1	2		BTX	8		4.917				VV
53	-2	2			9		6.239				VV
54	-3	2			10		5.697				VV
55	MC24074-7	2	MS29833	Std+MTBE	11		5.592				VV
56	MC24023-1	1	MS29844	TCL42+	12		4.431				20+ICS VV
57	-3	1			13		4.784				VV
58	-5	2			14		4.784				VV
59	-7	1			15		4.574				VV
60	MC24064-1	2			16		4.533				VV
61	MC24155-2	4	MS29850	STAR	17		7.820				VV
62	-3	4			18		4.46				VV
63	MC24064-1MS	2	MS29844	TCL42+	19		5.178				VV
64	-1MSD	2			20		5.594				VV
65	MC24075-4	2		BTX	21		5.532				VV
66	-5	3			22		4.363				VV
67	-6	2			23		5.947				VV
68	-7	2			24		4.691				VV
69	-8	3			25		6.004				VV
70	-9	3			26		4.142				VV
71	Blank	NA	NA	NA	27	NA	NA				-
									9/9/13	KD	

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

ACCUTEST LABORATORIES MC24064

New England ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34724-MB	R33453.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24064-1

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	250	11	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	490	13	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	490	14	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	490	81	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	990	120	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	490	62	ug/kg	
95-48-7	2-Methylphenol	ND	490	20	ug/kg	
	3&4-Methylphenol	ND	490	24	ug/kg	
88-75-5	2-Nitrophenol	ND	490	13	ug/kg	
100-02-7	4-Nitrophenol	ND	990	93	ug/kg	
87-86-5	Pentachlorophenol	ND	490	35	ug/kg	
108-95-2	Phenol	ND	250	14	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	490	12	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	490	12	ug/kg	
83-32-9	Acenaphthene	ND	99	13	ug/kg	
208-96-8	Acenaphthylene	ND	99	9.9	ug/kg	
98-86-2	Acetophenone	ND	490	11	ug/kg	
120-12-7	Anthracene	ND	99	12	ug/kg	
1912-24-9	Atrazine	ND	490	490	ug/kg	
100-52-7	Benzaldehyde	ND	490	490	ug/kg	
56-55-3	Benzo(a)anthracene	ND	99	13	ug/kg	
50-32-8	Benzo(a)pyrene	ND	99	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	99	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	99	9.9	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	99	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	490	99	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	250	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	250	10	ug/kg	
105-60-2	Caprolactam	ND	490	490	ug/kg	
91-58-7	2-Chloronaphthalene	ND	250	13	ug/kg	
106-47-8	4-Chloroaniline	ND	490	12	ug/kg	
86-74-8	Carbazole	ND	99	12	ug/kg	
218-01-9	Chrysene	ND	99	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	250	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	250	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	250	18	ug/kg	

Method Blank Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34724-MB	R33453.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24064-1

CAS No.	Compound	Result	RL	MDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	ND	250	15	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	490	33	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	490	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	250	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	99	12	ug/kg	
132-64-9	Dibenzofuran	ND	99	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	250	26	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	250	7.7	ug/kg	
84-66-2	Diethyl phthalate	ND	250	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	250	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	250	9.1	ug/kg	
206-44-0	Fluoranthene	ND	99	14	ug/kg	
86-73-7	Fluorene	ND	99	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	250	15	ug/kg	
87-68-3	Hexachlorobutadiene	ND	250	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	490	120	ug/kg	
67-72-1	Hexachloroethane	ND	250	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	99	11	ug/kg	
78-59-1	Isophorone	ND	250	11	ug/kg	
91-57-6	2-Methylnaphthalene	ND	99	13	ug/kg	
88-74-4	2-Nitroaniline	ND	490	12	ug/kg	
99-09-2	3-Nitroaniline	ND	490	27	ug/kg	
100-01-6	4-Nitroaniline	ND	490	12	ug/kg	
91-20-3	Naphthalene	ND	99	16	ug/kg	
98-95-3	Nitrobenzene	ND	250	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	250	14	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	250	15	ug/kg	
85-01-8	Phenanthrene	ND	99	13	ug/kg	
129-00-0	Pyrene	ND	99	12	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	75%	30-130%
4165-62-2	Phenol-d5	74%	30-130%
118-79-6	2,4,6-Tribromophenol	77%	30-130%

Method Blank Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34724-MB	R33453.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24064-1

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	67%	30-130%
321-60-8	2-Fluorobiphenyl	78%	30-130%
1718-51-0	Terphenyl-d14	86%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/kg	

8.1.1

8

Blank Spike Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34724-BS	R33454.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24064-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	2420	2040	84	30-130
59-50-7	4-Chloro-3-methyl phenol	2420	2010	83	30-130
120-83-2	2,4-Dichlorophenol	2420	2150	89	30-130
105-67-9	2,4-Dimethylphenol	2420	1900	79	30-130
51-28-5	2,4-Dinitrophenol	2420	2140	88	30-130
534-52-1	4,6-Dinitro-o-cresol	2420	2400	99	30-130
95-48-7	2-Methylphenol	2420	2190	90	30-130
	3&4-Methylphenol	4840	4000	83	30-130
88-75-5	2-Nitrophenol	2420	2130	88	30-130
100-02-7	4-Nitrophenol	2420	1710	71	30-130
87-86-5	Pentachlorophenol	2420	1940	80	30-130
108-95-2	Phenol	2420	2200	91	30-130
95-95-4	2,4,5-Trichlorophenol	2420	2370	98	30-130
88-06-2	2,4,6-Trichlorophenol	2420	2260	93	30-130
83-32-9	Acenaphthene	2420	2510	104	40-140
208-96-8	Acenaphthylene	2420	2070	86	40-140
98-86-2	Acetophenone	2420	2100	87	40-140
120-12-7	Anthracene	2420	2670	110	40-140
1912-24-9	Atrazine	2420	2410	100	40-140
100-52-7	Benzaldehyde	2420	840	35* [a]	40-140
56-55-3	Benzo(a)anthracene	2420	3020	125	40-140
50-32-8	Benzo(a)pyrene	2420	2570	106	40-140
205-99-2	Benzo(b)fluoranthene	2420	3150	130	40-140
191-24-2	Benzo(g,h,i)perylene	2420	2810	116	40-140
207-08-9	Benzo(k)fluoranthene	2420	2370	98	40-140
92-52-4	1,1'-Biphenyl	2420	2350	97	40-140
101-55-3	4-Bromophenyl phenyl ether	2420	2780	115	40-140
85-68-7	Butyl benzyl phthalate	2420	2920	121	40-140
105-60-2	Caprolactam	2420	2110	87	40-140
91-58-7	2-Chloronaphthalene	2420	2570	106	40-140
106-47-8	4-Chloroaniline	2420	1900	79	40-140
86-74-8	Carbazole	2420	2800	116	40-140
218-01-9	Chrysene	2420	2850	118	40-140
111-91-1	bis(2-Chloroethoxy)methane	2420	2350	97	40-140
111-44-4	bis(2-Chloroethyl)ether	2420	2200	91	40-140
108-60-1	bis(2-Chloroisopropyl)ether	2420	2620	108	40-140

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34724-BS	R33454.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24064-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
7005-72-3	4-Chlorophenyl phenyl ether	2420	2640	109	40-140
121-14-2	2,4-Dinitrotoluene	2420	2780	115	40-140
606-20-2	2,6-Dinitrotoluene	2420	2720	112	40-140
91-94-1	3,3'-Dichlorobenzidine	2420	1670	69	40-140
53-70-3	Dibenzo(a,h)anthracene	2420	2830	117	40-140
132-64-9	Dibenzofuran	2420	2460	102	40-140
84-74-2	Di-n-butyl phthalate	2420	2740	113	40-140
117-84-0	Di-n-octyl phthalate	2420	2920	121	40-140
84-66-2	Diethyl phthalate	2420	2630	109	40-140
131-11-3	Dimethyl phthalate	2420	2660	110	40-140
117-81-7	bis(2-Ethylhexyl)phthalate	2420	2830	117	40-140
206-44-0	Fluoranthene	2420	2950	122	40-140
86-73-7	Fluorene	2420	2600	107	40-140
118-74-1	Hexachlorobenzene	2420	2590	107	40-140
87-68-3	Hexachlorobutadiene	2420	2180	90	40-140
77-47-4	Hexachlorocyclopentadiene	2420	1210	50	40-140
67-72-1	Hexachloroethane	2420	2010	83	40-140
193-39-5	Indeno(1,2,3-cd)pyrene	2420	2780	115	40-140
78-59-1	Isophorone	2420	2150	89	40-140
91-57-6	2-Methylnaphthalene	2420	2210	91	40-140
88-74-4	2-Nitroaniline	2420	2910	120	40-140
99-09-2	3-Nitroaniline	2420	2340	97	40-140
100-01-6	4-Nitroaniline	2420	2630	109	40-140
91-20-3	Naphthalene	2420	3040	126	40-140
98-95-3	Nitrobenzene	2420	1970	81	40-140
621-64-7	N-Nitroso-di-n-propylamine	2420	2120	88	40-140
86-30-6	N-Nitrosodiphenylamine	2420	2590	107	40-140
85-01-8	Phenanthrene	2420	2750	114	40-140
129-00-0	Pyrene	2420	2850	118	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	81%	30-130%
4165-62-2	Phenol-d5	81%	30-130%
118-79-6	2,4,6-Tribromophenol	87%	30-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34724-BS	R33454.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24064-1

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	71%	30-130%
321-60-8	2-Fluorobiphenyl	84%	30-130%
1718-51-0	Terphenyl-d14	95%	30-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34724-MS	R33455.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218
OP34724-MSD	R33456.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218
MC24047-1	R33457.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24064-1

CAS No.	Compound	MC24047-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	270 U		2690	2020	75	2080	76	3	30-130/30
59-50-7	4-Chloro-3-methyl phenol	540 U		2690	2160	80	2100	77	3	30-130/30
120-83-2	2,4-Dichlorophenol	540 U		2690	2220	83	2190	80	1	30-130/30
105-67-9	2,4-Dimethylphenol	540 U		2690	1730	64	1760	65	2	30-130/30
51-28-5	2,4-Dinitrophenol	1100 U		2690	1120	42	1010	37	10	30-130/30
534-52-1	4,6-Dinitro-o-cresol	540 U		2690	2240	83	2000	73	11	30-130/30
95-48-7	2-Methylphenol	540 U		2690	2160	80	2160	79	0	30-130/30
	3&4-Methylphenol	540 U		5370	4050	75	3990	73	1	30-130/30
88-75-5	2-Nitrophenol	540 U		2690	2160	80	2190	80	1	30-130/30
100-02-7	4-Nitrophenol	1100 U		2690	2030	76	1780	65	13	30-130/30
87-86-5	Pentachlorophenol	540 U		2690	2010	75	1830	67	9	30-130/30
108-95-2	Phenol	270 U		2690	2210	82	2220	82	0	30-130/30
95-95-4	2,4,5-Trichlorophenol	540 U		2690	2540	95	2340	86	8	30-130/30
88-06-2	2,4,6-Trichlorophenol	540 U		2690	2320	86	2260	83	3	30-130/30
83-32-9	Acenaphthene	110 U		2690	2610	97	2590	95	1	40-140/30
208-96-8	Acenaphthylene	110 U		2690	2090	78	2140	79	2	40-140/30
98-86-2	Acetophenone	540 U		2690	2130	79	2170	80	2	40-140/30
120-12-7	Anthracene	110 U		2690	2990	111	2880	106	4	40-140/30
1912-24-9	Atrazine	540 U		2690	2760	103	2580	95	7	40-140/30
100-52-7	Benzaldehyde	540 U		2690	860	32* [a]	901	33* [a]	5	40-140/30
56-55-3	Benzo(a)anthracene	110 U		2690	3310	123	3200	118	3	40-140/30
50-32-8	Benzo(a)pyrene	110 U		2690	2950	110	2800	103	5	40-140/30
205-99-2	Benzo(b)fluoranthene	110 U		2690	3630	135	3440	126	5	40-140/30
191-24-2	Benzo(g,h,i)perylene	110 U		2690	3200	119	3070	113	4	40-140/30
207-08-9	Benzo(k)fluoranthene	110 U		2690	2720	101	2590	95	5	40-140/30
92-52-4	1,1'-Biphenyl	540 U		2690	2370	88	2450	90	3	40-140/30
101-55-3	4-Bromophenyl phenyl ether	270 U		2690	2940	109	2950	108	0	40-140/30
85-68-7	Butyl benzyl phthalate	270 U		2690	3250	121	3070	113	6	40-140/30
105-60-2	Caprolactam	540 U		2690	2100	78	1960	72	7	40-140/30
91-58-7	2-Chloronaphthalene	270 U		2690	2620	98	2710	100	3	40-140/30
106-47-8	4-Chloroaniline	540 U		2690	1900	71	2000	73	5	40-140/30
86-74-8	Carbazole	110 U		2690	3160	118	3020	111	5	40-140/30
218-01-9	Chrysene	110 U		2690	3130	116	2990	110	5	40-140/30
111-91-1	bis(2-Chloroethoxy)methane	270 U		2690	2330	87	2460	90	5	40-140/30
111-44-4	bis(2-Chloroethyl)ether	270 U		2690	2220	83	2330	86	5	40-140/30
108-60-1	bis(2-Chloroisopropyl)ether	270 U		2690	2620	98	2720	100	4	40-140/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34724-MS	R33455.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218
OP34724-MSD	R33456.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218
MC24047-1	R33457.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24064-1

CAS No.	Compound	MC24047-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
7005-72-3	4-Chlorophenyl phenyl ether	270	U	2690	2750	102	2700	99	2	40-140/30
121-14-2	2,4-Dinitrotoluene	540	U	2690	3120	116	2970	109	5	40-140/30
606-20-2	2,6-Dinitrotoluene	540	U	2690	2900	108	2710	100	7	40-140/30
91-94-1	3,3'-Dichlorobenzidine	270	U	2690	1700	63	1700	62	0	40-140/30
53-70-3	Dibenzo(a,h)anthracene	110	U	2690	3220	120	3090	114	4	40-140/30
132-64-9	Dibenzofuran	110	U	2690	2570	96	2590	95	1	40-140/30
84-74-2	Di-n-butyl phthalate	270	U	2690	3100	115	2980	110	4	40-140/30
117-84-0	Di-n-octyl phthalate	270	U	2690	3340	124	3200	118	4	40-140/30
84-66-2	Diethyl phthalate	270	U	2690	2910	108	2820	104	3	40-140/30
131-11-3	Dimethyl phthalate	270	U	2690	2810	105	2790	103	1	40-140/30
117-81-7	bis(2-Ethylhexyl)phthalate	270	U	2690	3140	117	3020	111	4	40-140/30
206-44-0	Fluoranthene	110	U	2690	3300	123	3160	116	4	40-140/30
86-73-7	Fluorene	110	U	2690	2800	104	2710	100	3	40-140/30
118-74-1	Hexachlorobenzene	270	U	2690	2880	107	2730	100	5	40-140/30
87-68-3	Hexachlorobutadiene	270	U	2690	2230	83	2370	87	6	40-140/30
77-47-4	Hexachlorocyclopentadiene	540	U	2690	1150	43	1270	47	10	40-140/30
67-72-1	Hexachloroethane	270	U	2690	1990	74	2070	76	4	40-140/30
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	2690	3160	118	3030	111	4	40-140/30
78-59-1	Isophorone	270	U	2690	2190	82	2230	82	2	40-140/30
91-57-6	2-Methylnaphthalene	110	U	2690	2250	84	2330	86	3	40-140/30
88-74-4	2-Nitroaniline	540	U	2690	3000	112	3020	111	1	40-140/30
99-09-2	3-Nitroaniline	540	U	2690	2610	97	2540	93	3	40-140/30
100-01-6	4-Nitroaniline	540	U	2690	2830	105	2760	101	3	40-140/30
91-20-3	Naphthalene	110	U	2690	3080	115	3200	118	4	40-140/30
98-95-3	Nitrobenzene	270	U	2690	1980	74	2050	75	3	40-140/30
621-64-7	N-Nitroso-di-n-propylamine	270	U	2690	2170	81	2280	84	5	40-140/30
86-30-6	N-Nitrosodiphenylamine	270	U	2690	2870	107	2770	102	4	40-140/30
85-01-8	Phenanthrene	110	U	2690	3160	118	2970	109	6	40-140/30
129-00-0	Pyrene	110	U	2690	3200	119	3040	112	5	40-140/30

CAS No.	Surrogate Recoveries	MS	MSD	MC24047-1	Limits
367-12-4	2-Fluorophenol	73%	73%	62%	30-130%
4165-62-2	Phenol-d5	73%	74%	64%	30-130%
118-79-6	2,4,6-Tribromophenol	82%	81%	66%	30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34724-MS	R33455.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218
OP34724-MSD	R33456.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218
MC24047-1	R33457.D	1	09/10/13	KR	09/07/13	OP34724	MSR1218

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24064-1

CAS No.	Surrogate Recoveries	MS	MSD	MC24047-1	Limits
4165-60-0	Nitrobenzene-d5	65%	65%	58%	30-130%
321-60-8	2-Fluorobiphenyl	76%	77%	67%	30-130%
1718-51-0	Terphenyl-d14	94%	88%	75%	30-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSR1159-DFTPP
Lab File ID: R31829.D
Instrument ID: GCMSR
Injection Date: 06/28/13
Injection Time: 19:25

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	15081	37.7		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	15275	38.1		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	18690	46.7		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	40043	100.0		Pass
199	5.0 - 9.0% of mass 198	2731	6.82		Pass
275	10.0 - 30.0% of mass 198	10188	25.4		Pass
365	1.0 - 100.0% of mass 198	1276	3.19		Pass
441	Present, but less than mass 443	5840	14.6	(81.2) [b]	Pass
442	40.0 - 100.0% of mass 198	36685	91.6		Pass
443	17.0 - 23.0% of mass 442	7191	18.0	(19.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSR1159-ICC1159	R31830.D	06/28/13	19:48	00:23	Initial cal 50
MSR1159-IC1159	R31831.D	06/28/13	20:11	00:46	Initial cal 2
MSR1159-IC1159	R31832.D	06/28/13	20:33	01:08	Initial cal 5
MSR1159-IC1159	R31833.D	06/28/13	20:56	01:31	Initial cal 10
MSR1159-IC1159	R31834.D	06/28/13	21:19	01:54	Initial cal 20
MSR1159-IC1159	R31835.D	06/28/13	21:42	02:17	Initial cal 80
MSR1159-IC1159	R31836.D	06/28/13	22:05	02:40	Initial cal 120
MSR1159-IC1159	R31837.D	06/28/13	22:27	03:02	Initial cal 160
MSR1159-IC1159	R31839.D	06/28/13	23:13	03:48	Initial cal 5
MSR1159-IC1159	R31840.D	06/28/13	23:36	04:11	Initial cal 10
MSR1159-IC1159	R31841.D	06/28/13	23:59	04:34	Initial cal 20
MSR1159-IC1159	R31842.D	06/29/13	00:21	04:56	Initial cal 50
MSR1159-IC1159	R31843.D	06/29/13	00:45	05:20	Initial cal 80
MSR1159-IC1159	R31844.D	06/29/13	01:08	05:43	Initial cal 120
MSR1159-IC1159	R31845.D	06/29/13	01:32	06:07	Initial cal 160

Instrument Performance Check (DFTPP)

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSR1218-DFTPP
Lab File ID: R33450.D
Instrument ID: GCMSR
Injection Date: 09/10/13
Injection Time: 07:50

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	19794	34.9		Pass
68	Less than 2.0% of mass 69	256	0.45	(1.37) [a]	Pass
69	Mass 69 relative abundance	18724	33.0		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	23816	42.0		Pass
197	Less than 1.0% of mass 198	351	0.62		Pass
198	Base peak, 100% relative abundance	56696	100.0		Pass
199	5.0 - 9.0% of mass 198	3813	6.73		Pass
275	10.0 - 30.0% of mass 198	12414	21.9		Pass
365	1.0 - 100.0% of mass 198	1369	2.41		Pass
441	Present, but less than mass 443	7142	12.6	(72.6) [b]	Pass
442	40.0 - 100.0% of mass 198	45116	79.6		Pass
443	17.0 - 23.0% of mass 442	9835	17.3	(21.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSR1218-CC1159	R33451.D	09/10/13	08:13	00:23	Continuing cal 50
MSR1218-CC1159	R33452.D	09/10/13	08:35	00:45	Continuing cal 50
OP34724-MB	R33453.D	09/10/13	08:58	01:08	Method Blank
OP34724-BS	R33454.D	09/10/13	09:21	01:31	Blank Spike
OP34724-MS	R33455.D	09/10/13	09:43	01:53	Matrix Spike
OP34724-MSD	R33456.D	09/10/13	10:06	02:16	Matrix Spike Duplicate
MC24047-1	R33457.D	09/10/13	10:28	02:38	(used for QC only; not part of job MC24064)
ZZZZZZ	R33458.D	09/10/13	10:51	03:01	(unrelated sample)
ZZZZZZ	R33459.D	09/10/13	11:14	03:24	(unrelated sample)
ZZZZZZ	R33460.D	09/10/13	11:36	03:46	(unrelated sample)
MC24064-1	R33461.D	09/10/13	11:59	04:09	LBA-MW-28-(17-17.3)
ZZZZZZ	R33462.D	09/10/13	12:22	04:32	(unrelated sample)
ZZZZZZ	R33463.D	09/10/13	12:44	04:54	(unrelated sample)
ZZZZZZ	R33464.D	09/10/13	13:07	05:17	(unrelated sample)
ZZZZZZ	R33465.D	09/10/13	13:30	05:40	(unrelated sample)
ZZZZZZ	R33466.D	09/10/13	13:52	06:02	(unrelated sample)
ZZZZZZ	R33467.D	09/10/13	14:15	06:25	(unrelated sample)
ZZZZZZ	R33468.D	09/10/13	14:38	06:48	(unrelated sample)
ZZZZZZ	R33469.D	09/10/13	15:01	07:11	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample:	MSR1218-DFTPP	**Injection Date:**	09/10/13
Lab File ID:	R33450.D	**Injection Time:**	07:50
Instrument ID:	GCMSR		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	R33470.D	09/10/13	15:24	07:34	(unrelated sample)
ZZZZZZ	R33471.D	09/10/13	15:46	07:56	(unrelated sample)
ZZZZZZ	R33472.D	09/10/13	16:09	08:19	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	MSR1218-CC1159	**Injection Date:**	09/10/13
Lab File ID:	R33451.D	**Injection Time:**	08:13
Instrument ID:	GCMSR	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	56406	4.00	208881	5.05	126569	6.57	220181	7.95	238566	10.89	228762	12.47
Upper Limit [a]	112812	4.50	417762	5.55	253138	7.07	440362	8.45	477132	11.39	457524	12.97
Lower Limit [b]	28203	3.50	104441	4.55	63285	6.07	110091	7.45	119283	10.39	114381	11.97

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP34724-MB	100688	4.00	357509	5.05	215109	6.57	374333	7.95	392125	10.89	381698	12.47
OP34724-BS	101780	4.00	374962	5.05	224751	6.57	378351	7.95	390549	10.90	387358	12.47
OP34724-MS	104272	4.00	382497	5.05	233844	6.57	389667	7.95	405013	10.90	385697	12.47
OP34724-MSD	108041	4.00	391413	5.05	237496	6.57	393710	7.95	417916	10.90	399640	12.47
MC24047-1	70188	4.00	251319	5.05	156574	6.57	271263	7.95	287223	10.88	276563	12.47
ZZZZZZ	68230	4.00	245238	5.05	152231	6.57	259807	7.95	282198	10.89	271715	12.47
ZZZZZZ	95190	4.00	344590	5.05	212590	6.57	357498	7.95	386335	10.89	382665	12.47
ZZZZZZ	75716	4.00	271956	5.05	168980	6.57	286386	7.95	309652	10.89	301789	12.48
MC24064-1	100512	4.00	362634	5.05	225261	6.57	365319	7.95	360345	10.92	355091	12.52
ZZZZZZ	96755	4.00	355594	5.05	217816	6.57	365993	7.95	391789	10.89	379461	12.48
ZZZZZZ	90443	4.00	320951	5.05	198397	6.57	335269	7.95	368804	10.89	357104	12.47
ZZZZZZ	78951	4.00	286730	5.05	176761	6.57	301940	7.95	333270	10.89	328350	12.47
ZZZZZZ	101903	4.00	368162	5.05	226989	6.57	377137	7.95	400087	10.89	383798	12.47
ZZZZZZ	102175	4.00	376866	5.05	225937	6.57	387652	7.95	404635	10.89	391807	12.47
ZZZZZZ	100236	4.00	374491	5.05	225207	6.57	382741	7.95	398687	10.89	380987	12.47
ZZZZZZ	104584	4.00	375116	5.05	227243	6.57	389069	7.95	409581	10.89	406803	12.47
ZZZZZZ	104277	4.00	375316	5.05	232367	6.57	393349	7.95	418543	10.89	406104	12.48
ZZZZZZ	89740	4.00	328802	5.05	207734	6.58	341677	7.96	381349	10.90	357912	12.47
ZZZZZZ	85265	4.00	279792	5.05	188913	6.58	303657	7.96	328383	10.90	320465	12.47
ZZZZZZ	80144	4.00	295321	5.05	191319	6.58	321324	7.95	356402	10.89	342142	12.47

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8270C **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC24064-1	R33461.D	69.0	69.0	80.0	59.0	75.0	86.0
OP34724-BS	R33454.D	81.0	81.0	87.0	71.0	84.0	95.0
OP34724-MB	R33453.D	75.0	74.0	77.0	67.0	78.0	86.0
OP34724-MS	R33455.D	73.0	73.0	82.0	65.0	76.0	94.0
OP34724-MSD	R33456.D	73.0	74.0	81.0	65.0	77.0	88.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	30-130%
S2 = Phenol-d5	30-130%
S3 = 2,4,6-Tribromophenol	30-130%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

Initial Calibration Summary

Job Number: MC24064 **Sample:** MSR1159-ICC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31830.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report MSR

Method : W:\1\methods\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

Calibration Files
160 =R31845.D 120 =R31844.D 80 =R31843.D 20 =R31841.D
5 =R31839.D 2 =R31831.D 10 =R31840.D 50 =R31842.D

	Compound	160	120	80	20	5	2	10	50	Avg	%RSD
1)	I 1,4-Dichlorobenzene-d	ISTD									
2)	N-nitrosodim	0.816	0.822	0.786	0.784	0.710		0.795	0.791	0.786	4.67
3)	Pyridine	1.434	1.468	1.433	1.428	1.372		1.426	1.449	1.430	2.05
4)	Aniline	1.906	1.924	1.873	1.823	1.746	1.640	1.793	1.871	1.822	5.18
5)	2-Fluorophen	1.258	1.270	1.207	1.195	1.238	1.083	1.215	1.233	1.213	4.79
6)	bis(2-Chloro	0.888	0.906	0.859	0.857	0.889	0.781	0.866	0.875	0.865	4.37
7)	Phenol-d5	1.594	1.597	1.530	1.524	1.518	1.541	1.462	1.516	1.535	2.85
8)	Phenol	1.604	1.611	1.566	1.557	1.446	1.434	1.457	1.546	1.528	4.68
9)	2-Chlorophen	1.350	1.380	1.314	1.287	1.177	1.186	1.283	1.323	1.287	5.64
10)	1,3-Dichloro	1.493	1.499	1.444	1.449	1.444	1.381	1.480	1.458	1.456	2.56
11)	1,4-Dichloro	1.564	1.574	1.514	1.491	1.439	1.519	1.471	1.544	1.515	3.05
12)	1,2-Dichloro	1.420	1.441	1.366	1.325	1.277	1.282	1.334	1.408	1.357	4.60
13)	Benzyl alcoh	0.866	0.885	0.848	0.796	0.754		0.778	0.866	0.828	6.14
14)	bis(2-chloro	1.520	1.521	1.479	1.492	1.508	1.365	1.419	1.513	1.477	3.80
15)	o-cresol	1.165	1.169	1.154	1.104	1.041	1.030	1.027	1.169	1.107	5.92
16)	Acetophenone	1.871	1.909	1.853	1.862	1.816	1.700	1.728	1.884	1.828	4.14
17)	Hexachloroet	0.576	0.590	0.569	0.572	0.552	0.548	0.536	0.576	0.565	3.13
18)	N-Nitroso-di	0.892	0.902	0.870	0.877	0.744	0.937	0.787	0.861	0.859	7.32
19)	m+p-cresols	1.284	1.293	1.252	1.180	1.157	1.130	1.141	1.265	1.213	5.57
20)	4-methylphen	1.284	1.293	1.252	1.180	1.157	1.130	1.141	1.264	1.213	5.56
21)	I 1,4-Dichlorobenzene-d	ISTD									
22)	Benzaldehyde			1.030	0.999	0.925		1.134	1.025	1.023	7.34
23)	I Naphthalene-d8	ISTD									
24)	Nitrobenzene	0.403	0.392	0.380	0.386	0.381	0.361	0.376	0.379	0.382	3.21
25)	Nitrobenzene	0.400	0.387	0.379	0.384	0.389	0.393	0.374	0.381	0.386	2.14
26)	Isophorone	0.694	0.675	0.645	0.645	0.598	0.618	0.617	0.648	0.643	4.90
27)	2-Nitropheno	0.203	0.193	0.186	0.175	0.166		0.174	0.189	0.184	6.86
28)	2,4-Dimethyl	0.369	0.361	0.340	0.351	0.283		0.331	0.350	0.341	8.36
29)	bis(2-Chloro	0.411	0.401	0.386	0.396	0.367		0.377	0.374	0.388	4.09
30)	Benzoic acid	0.292	0.280	0.262	0.196			0.158	0.240	0.238	21.79
	---- Linear regression ---- Coefficient = 0.9955										
	Response Ratio = -0.03395 + 0.28255 *A										
31)	2,4-Dichloro	0.325	0.312	0.304	0.295	0.260		0.295	0.312	0.300	6.88
32)	1,2,4-Trichl	0.355	0.339	0.327	0.336	0.339	0.325	0.325	0.327	0.334	3.15
33)	Naphthalene	1.120	1.066	1.023	1.044	0.983	1.037	1.028	1.046	1.044	3.76
34)	2,6-Dichloro	0.315	0.310	0.295	0.303	0.274		0.282	0.303	0.297	4.95
35)	4-Chloroanil	0.466	0.445	0.435	0.439	0.402		0.410	0.437	0.433	4.97
36)	Hexachlorobu	0.217	0.215	0.207	0.223	0.191	0.186	0.218	0.210	0.208	6.34
37)	4-Chloro-3-m	0.314	0.305	0.296	0.286	0.264		0.268	0.296	0.290	6.37
38)	2-Methylnaph	0.779	0.751	0.732	0.733	0.695	0.721	0.699	0.746	0.732	3.79
39)	1-Methylnaph	0.740	0.719	0.707	0.701	0.704	0.719	0.692	0.708	0.711	2.04
40)	1,2,4,5-Tetr	0.395	0.386	0.375	0.377	0.393	0.408	0.382	0.381	0.387	2.79

Initial Calibration Summary

Job Number: MC24064 **Sample:** MSR1159-ICC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31830.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
41) I   Naphthalene-d8a       ----------------ISTD--------------------
42) Caprolactam  0.164 0.161 0.156 0.148 0.106       0.132 0.159 0.146  14.30
            ---- Linear regression ----  Coefficient =  0.9997
              Response Ratio = -0.00729 + 0.16297 *A


43) I   Acenaphthene-d10      ----------------ISTD--------------------
44) Pentachloron 0.182 0.177 0.176 0.157             0.151 0.176 0.170   7.38
45) Hexachlorocy 0.428 0.417 0.402 0.390 0.358       0.342 0.404 0.392   7.95
46) 2,4,6-Trichl 0.395 0.391 0.389 0.364 0.333       0.346 0.382 0.371   6.54
47) 2,4,5-Trichl 0.412 0.405 0.403 0.406 0.359       0.350 0.403 0.391   6.52
48) 2-Fluorobiph 1.363 1.361 1.330 1.350 1.303 1.299 1.312 1.325 1.331   1.90
49) 2-Chloronaph 1.098 1.089 1.064 1.101 1.008 1.099 1.030 1.053 1.068   3.31
50) Acenaphthyle 1.833 1.804 1.776 1.777 1.637 1.661 1.661 1.751 1.737   4.27
51) Dimethylphth 1.281 1.260 1.248 1.258 1.173 1.138 1.177 1.228 1.221   4.21
52) 2,4-Dinitrot 0.401 0.391 0.380 0.373 0.323       0.331 0.373 0.368   8.02
53) Acenaphthene 1.181 1.152 1.146 1.152 1.131 1.049 1.053 1.128 1.124   4.28
54) 2,4-Dinitrop 0.214 0.211 0.197 0.158                   0.175 0.191  12.56
55) Dibenzofuran 1.662 1.643 1.616 1.620 1.489 1.590 1.525 1.587 1.592   3.67
56) 2,6-Dinitrot 0.304 0.303 0.298 0.281 0.227       0.252 0.285 0.278  10.41
57) 4-Nitropheno 0.260 0.253 0.250 0.235             0.208 0.250 0.243   7.75
58) 2,3,4,6-Tetr 0.367 0.355 0.359 0.321 0.301       0.291 0.346 0.334   8.97
59) Fluorene     1.355 1.321 1.308 1.295 1.238 1.214 1.223 1.286 1.280   3.93
60) 4-Chlorophen 0.644 0.637 0.638 0.645 0.595 0.629 0.592 0.620 0.625   3.37
61) Diethylphtha 1.289 1.262 1.250 1.236 1.126 1.167 1.172 1.225 1.216   4.56
62) 2-nitroanili 0.375 0.364 0.360 0.343 0.284       0.303 0.350 0.340   9.94
63) 3-nitroanili 0.321 0.315 0.314 0.298             0.270 0.299 0.303   6.18
64) 4-nitroanili 0.321 0.316 0.303 0.297             0.264 0.297 0.300   6.80

65)     Acenaphthene-d10a     ----------------ISTD--------------------
66) 1,1'-Bipheny 1.502 1.506 1.463 1.391 1.447       1.429 1.491 1.461   2.90

67) I   Phenanthrene-d10      ----------------ISTD--------------------
68) 4,6-Dinitro- 0.162 0.153 0.152 0.135             0.101 0.147 0.142  15.35
            ---- Linear regression ----  Coefficient =  0.9994
              Response Ratio = -0.01474 + 0.16125 *A

69) n-Nitrosodip 0.556 0.543 0.538 0.532 0.490 0.491 0.493 0.529 0.522   5.03
70) 1,2-Diphenyl 0.712 0.689 0.686 0.672 0.633 0.677 0.674 0.683 0.678   3.27
71) 2,4,6-Tribro 0.133 0.131 0.129 0.119 0.097       0.107 0.123 0.120  11.27
72) 4-Bromopheny 0.228 0.224 0.219 0.214 0.205 0.200 0.216 0.222 0.216   4.42
73) Hexachlorobe 0.253 0.247 0.245 0.259 0.243 0.235 0.226 0.247 0.244   4.17
74) Pentachlorop 0.178 0.176 0.169 0.146             0.123 0.159 0.158  13.38
75) Phenanthrene 1.148 1.090 1.092 1.069 1.038 1.054 1.062 1.092 1.081   3.10
76) Anthracene   1.184 1.153 1.150 1.122 1.075 1.000 1.055 1.131 1.109   5.47
77) Carbazole    1.085 1.065 1.034 0.992 0.937 0.815 0.944 1.033 0.988   8.88
78) Di-n-butylph 1.322 1.278 1.267 1.179 1.011       1.084 1.230 1.196   9.40
79) Fluoranthene 1.244 1.199 1.191 1.150 1.057 1.010 1.097 1.173 1.140   6.95

80) I   Phenanthrene-d10a     ----------------ISTD--------------------
81) Atrazine           0.212 0.212 0.199 0.159       0.177 0.215 0.196  11.74

82) I   Chrysene-d12          ----------------ISTD--------------------
83) Benzidine    0.412 0.391 0.382 0.347             0.280 0.386 0.366  12.86
84) Pyrene       1.236 1.203 1.155 1.160 1.079 1.043 1.106 1.164 1.143   5.59
85) Terphenyl-d1 0.900 0.894 0.863 0.878 0.834 0.820 0.804 0.856 0.856   4.06
86) 3,3-Dimethyl 0.518 0.507 0.497 0.434             0.382 0.486 0.471  11.16
87) Butylbenzylp 0.524 0.511 0.483 0.481 0.382       0.430 0.499 0.473  10.55
88) 3,3'-Dichlor 0.459 0.448 0.429 0.372 0.277       0.329 0.411 0.389  17.23
            ---- Linear regression ----  Coefficient =  0.9972
```

Initial Calibration Summary

Job Number: MC24064 **Sample:** MSR1159-ICC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31830.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
               Response Ratio = -0.02247 + 0.44011 *A

 89) Benzo[a]anth 1.123 1.106 1.067 1.054 0.946 0.918 0.998 1.060 1.034   7.09
 90) Chrysene     1.092 1.079 1.035 1.036 0.993 0.973 0.993 1.025 1.028   4.06
 91) bis(2-Ethylh 0.762 0.739 0.704 0.658 0.485       0.558 0.696 0.657  15.33
             ---- Linear regression ----  Coefficient =  0.9981
               Response Ratio = -0.03404 + 0.73447 *A


 92) I   Perylene-d12          ----------------ISTD---------------------
 93) Di-n-octylph 1.301 1.253 1.170 1.032 0.673       0.798 1.128 1.051  22.33#
             ---- Linear regression ----  Coefficient =  0.9982
               Response Ratio = -0.16023 + 1.31545 *A

 94) Benzo[b]fluo 1.283 1.289 1.153 1.147 0.978 1.027 1.095 1.199 1.146   9.74
 95) Benzo[k]fluo 1.221 1.157 1.185 1.183 1.018 0.943 1.110 1.121 1.117   8.39
 96) Benzo[a]pyre 1.142 1.115 1.088 1.071 0.857 0.803 0.950 1.056 1.010  12.45
 97) Indeno[1,2,3 1.420 1.410 1.340 1.298 1.102 1.019 1.189 1.310 1.261  11.48
 98) Dibenz[a,h]a 1.152 1.133 1.066 1.053 0.918 0.844 0.921 1.058 1.018  10.88
 99) Benzo[g,h,i] 1.145 1.146 1.100 1.085 0.921 0.885 1.006 1.090 1.047   9.49

100)     Naphthalene-d8b       ----------------ISTD---------------------
101) o-Toluic Aci 0.220 0.207 0.203 0.156 0.099       0.125 0.193 0.172  26.87
             ---- Quadratic regression ----  Coefficient =  0.9997
               Response Ratio = -0.01503 + 0.19200 *A + 0.00772 *A^2

102) m-Toluic Aci 0.279 0.270 0.236 0.178 0.119       0.154 0.229 0.209  28.96
             ---- Quadratic regression ----  Coefficient =  0.9992
               Response Ratio = -0.01899 + 0.22129 *A + 0.01614 *A^2

103) p-Toluic Aci 0.319 0.319 0.316 0.310 0.234       0.298 0.336 0.304  10.83
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           R130628_8270+.m        Tue Jul 09 10:08:52 2013
```

8.7.1

8

Initial Calibration Verification

Job Number: MC24064 **Sample:** MSR1160-ICV1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31849.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\R130701\R31849.D Vial: 100
Acq On : 1 Jul 2013 8:41 am Operator: kristinr
Sample : ICV1159-50 Inst : MSR
Misc : op33699,msr1160,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : W:\1\methods\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Mon Jul 08 17:06:27 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	172	0.00	4.42
2		N-nitrosodimethylamine	0.786	0.773	1.7	168	0.00	2.55
3	T	Pyridine	1.430	1.271	11.1	151	0.00	2.57
4	T	Aniline	1.822	1.646	9.7	152	0.00	4.19
5	S	2-Fluorophenol	1.213	1.268	-4.5	177	0.00	3.47
6	T	bis(2-Chloroethyl)ether	0.865	0.877	-1.4	172	0.00	4.22
7	S	Phenol-d5	1.535	1.569	-2.2	178	0.00	4.14
8	C	Phenol	1.528	1.595	-4.4	178	0.00	4.15
9	M	2-Chlorophenol	1.287	1.371	-6.5	179	0.00	4.28
10	T	1,3-Dichlorobenzene	1.456	1.420	2.5	168	0.00	4.40
11	C	1,4-Dichlorobenzene	1.515	1.478	2.4	165	0.00	4.44
12	T	1,2-Dichlorobenzene	1.357	1.406	-3.6	172	0.00	4.59
13	T	Benzyl alcohol	0.828	0.829	-0.1	165	0.00	4.54
14	T	bis(2-chloroisopropyl)eth	1.477	1.819	-23.2#	207#	0.00	4.66
15	T	o-cresol	1.107	1.157	-4.5	170	0.00	4.63
16	T	Acetophenone	1.828	1.818	0.5	166	0.00	4.76
17	T	Hexachloroethane	0.565	0.565	0.0	169	0.00	4.84
18	P	N-Nitroso-di-n-propylamin	0.859	0.919	-7.0	184	0.00	4.78
19	T	m+p-cresols	1.213	1.283	-5.8	175	0.00	4.75
20		4-methylphenol	1.213	1.283	-5.8	175	0.00	4.75
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	103	0.00	4.42
22		Benzaldehyde	1.023	0.918	10.3	92	0.00	4.09
23	I	Naphthalene-d8	1.000	1.000	0.0	179	0.00	5.48
24	S	Nitrobenzene-d5	0.382	0.367	3.9	173	0.00	4.89
25	T	Nitrobenzene	0.386	0.355	8.0	167	0.00	4.91
26	T	Isophorone	0.643	0.609	5.3	168	0.00	5.10
27	C	2-Nitrophenol	0.184	0.181	1.6	171	0.00	5.17
28	T	2,4-Dimethylphenol	0.341	0.340	0.3	174	0.00	5.19
29	T	bis(2-Chloroethoxy)methan	0.388	0.388	0.0	185	0.00	5.27
		----------	Amount	Calc.	%Drift	----------		
30	T	Benzoic acid	50.000	53.410	-6.8	204	0.01	5.27
		----------	AvgRF	CCRF	%Dev	----------		
31	C	2,4-Dichlorophenol	0.300	0.304	-1.3	174	0.00	5.37
32	M	1,2,4-Trichlorobenzene	0.334	0.336	-0.6	184	0.00	5.44
33	T	Naphthalene	1.044	1.032	1.1	176	0.00	5.50
34	T	2,6-Dichlorophenol	0.297	0.294	1.0	174	0.00	5.57
35	T	4-Chloroaniline	0.433	0.339	21.7#	139	0.00	5.55
36	C	Hexachlorobutadiene	0.208	0.200	3.8	170	0.00	5.65

Initial Calibration Verification

Job Number: MC24064 **Sample:** MSR1160-ICV1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31849.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

37	C	4-Chloro-3-methylphenol	0.290	0.291	-0.3	176	0.00	5.96
38	T	2-Methylnaphthalene	0.732	0.693	5.3	166	0.00	6.09
39	T	1-Methylnaphthalene	0.711	0.685	3.7	173	0.00	6.18
40	T	1,2,4,5-Tetrachlorobenzen	0.387	0.362	6.5	170	0.00	6.27
41	I	Naphthalene-d8a	1.000	1.000	0.0	110	0.00	5.48
		----------	Amount	Calc.	%Drift	----------		
42		Caprolactam	50.000	47.864	4.3	104	-0.02	5.83
		----------	AvgRF	CCRF	%Dev	----------		
43	I	Acenaphthene-d10	1.000	1.000	0.0	187	0.00	7.02
44	T	Pentachloronitrobenzene	0.170	0.160	5.9	170	0.00	8.41
45	P	Hexachlorocyclopentadiene	0.392	0.189	51.8#	87	0.00	6.29
46	C	2,4,6-Trichlorophenol	0.371	0.368	0.8	180	0.00	6.35
47	T	2,4,5-Trichlorophenol	0.391	0.403	-3.1	186	0.00	6.39
48	S	2-Fluorobiphenyl	1.331	1.314	1.3	185	0.00	6.42
49	T	2-Chloronaphthalene	1.068	1.066	0.2	189	0.00	6.51
50	M	Acenaphthylene	1.737	1.712	1.4	182	0.00	6.89
51	T	Dimethylphthalate	1.221	1.175	3.8	178	0.00	6.81
52	T	2,4-Dinitrotoluene	0.368	0.387	-5.2	193	0.00	7.22
53	C	Acenaphthene	1.124	1.102	2.0	182	0.00	7.05
54	P	2,4-Dinitrophenol	0.191	0.191	0.0	204#	0.00	7.08
55	T	Dibenzofuran	1.592	1.492	6.3	175	0.00	7.20
56	M	2,6-Dinitrotoluene	0.278	0.275	1.1	180	0.00	6.87
57	P	4-Nitrophenol	0.243	0.230	5.3	172	0.00	7.13
58	T	2,3,4,6-Tetrachlorophenol	0.334	0.337	-0.9	182	0.00	7.35
59	T	Fluorene	1.280	1.293	-1.0	187	0.00	7.52
60	T	4-Chlorophenyl-phenylethe	0.625	0.623	0.3	187	0.00	7.51
61	T	Diethylphthalate	1.216	1.249	-2.7	190	0.00	7.45
62	T	2-nitroaniline	0.340	0.342	-0.6	183	0.00	6.62
63	T	3-nitroaniline	0.303	0.228	24.8#	142	0.00	7.00
64	T	4-nitroaniline	0.300	0.288	4.0	181	0.00	7.57
65		Acenaphthene-d10a	1.000	1.000	0.0	118	0.00	7.02
66		1,1'-Biphenyl	1.461	1.348	7.7	107	0.00	6.50
67	I	Phenanthrene-d10	1.000	1.000	0.0	192	0.00	8.46
		----------	Amount	Calc.	%Drift	----------		
68	T	4,6-Dinitro-2-methylpheno	50.000	52.042	-4.1	203	0.00	7.61
		----------	AvgRF	CCRF	%Dev	----------		
69	C	n-Nitrosodiphenylamine	0.522	0.502	3.8	182	0.00	7.63
70	T	1,2-Diphenylhydrazine	0.678	0.650	4.1	183	0.00	7.67
71	S	2,4,6-Tribromophenol	0.120	0.122	-1.7	190	0.00	7.78
72	T	4-Bromophenyl-phenylether	0.216	0.204	5.6	177	0.00	7.99
73	T	Hexachlorobenzene	0.244	0.247	-1.2	192	0.00	8.15
74	C	Pentachlorophenol	0.158	0.161	-1.9	194	0.00	8.32
75	T	Phenanthrene	1.081	1.072	0.8	188	0.00	8.48
76	T	Anthracene	1.109	1.070	3.5	182	0.00	8.53
77	T	Carbazole	0.988	1.009	-2.1	187	0.00	8.70
78	T	Di-n-butylphthalate	1.196	1.193	0.3	186	0.00	9.12
79	C	Fluoranthene	1.140	1.222	-7.2	200	0.00	9.78
80	I	Phenanthrene-d10a	1.000	1.000	0.0	116	0.00	8.46
81		Atrazine	0.196	0.209	-6.6	113	0.00	8.18
82	I	Chrysene-d12	1.000	1.000	0.0	195	0.00	11.45

Initial Calibration Verification

Job Number: MC24064 **Sample:** MSR1160-ICV1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31849.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

83	T	Benzidine	0.366	0.442	-20.8#	223#	0.00	9.92
84	M	Pyrene	1.143	1.117	2.3	187	0.00	10.04
85	S	Terphenyl-d14	0.856	0.854	0.2	195	0.00	10.22
86		3,3-Dimethylbenzidine		----------NA----------				
87	T	Butylbenzylphthalate	0.473	0.471	0.4	184	0.00	10.83
		----------	Amount	Calc.	%Drift	----------		
88	T	3,3'-Dichlorobenzidine	50.000	35.699	28.6#	141	0.00	11.42
		----------	AvgRF	CCRF	%Dev	----------		
89	T	Benzo[a]anthracene	1.034	1.100	-6.4	202#	0.00	11.44
90	T	Chrysene	1.028	1.016	1.2	193	0.00	11.48
		----------	Amount	Calc.	%Drift	----------		
91	T	bis(2-Ethylhexyl)phthalat	50.000	49.309	1.4	196	0.00	11.54
		----------	AvgRF	CCRF	%Dev	----------		
92	I	Perylene-d12	1.000	1.000	0.0	192	0.00	13.06
		----------	Amount	Calc.	%Drift	----------		
93	C	Di-n-octylphthalate	50.000	52.011	-4.0	211	0.00	12.23
		----------	AvgRF	CCRF	%Dev	----------		
94	T	Benzo[b]fluoranthene	1.146	1.167	-1.8	187	0.00	12.65
95	T	Benzo[k]fluoranthene	1.117	1.167	-4.5	200	0.00	12.68
96	C	Benzo[a]pyrene	1.010	0.965	4.5	176	0.00	12.99
97	T	Indeno[1,2,3-cd]pyrene	1.261	1.273	-1.0	186	0.00	14.33
98	T	Dibenz[a,h]anthracene	1.018	1.028	-1.0	186	0.00	14.34
99	T	Benzo[g,h,i]perylene	1.047	1.057	-1.0	186	0.00	14.68
100		Naphthalene-d8b	1.000	1.000	0.0	110	0.00	5.48
		----------	Amount	Calc.	%Drift	----------		
101		o-Toluic Acid		----------NA----------				
102		m-Toluic Acid		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
103		p-Toluic Acid		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
R31842.D R130628_8270+.m Mon Jul 08 17:16:37 2013

8.7.2

8

Continuing Calibration Summary

Job Number: MC24064 **Sample:** MSR1218-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R33451.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\R130910\R33451.D Vial: 100
Acq On : 10 Sep 2013 8:13 am Operator: kristinr
Sample : CC1159-50 Inst : MSR
Misc : OP34233,MSR1218,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\met...\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Fri Jul 12 11:59:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	-0.10	4.00
2		N-nitrosodimethylamine	0.786	0.703	10.6	84	-0.23	2.14
3	T	Pyridine	1.430	1.283	10.3	84	-0.24	2.15
4	T	Aniline	1.822	1.742	4.4	88	-0.11	3.78
5	S	2-Fluorophenol	1.213	1.172	3.4	90	-0.14	3.08
6	T	bis(2-Chloroethyl)ether	0.865	0.784	9.4	85	-0.11	3.81
7	S	Phenol-d5	1.535	1.369	10.8	86	-0.08	3.77
8	C	Phenol	1.528	1.573	-2.9	97	-0.08	3.77
9	M	2-Chlorophenol	1.287	1.243	3.4	89	-0.10	3.87
10	T	1,3-Dichlorobenzene	1.456	1.368	6.0	89	-0.11	3.97
11	C	1,4-Dichlorobenzene	1.515	1.394	8.0	86	-0.10	4.01
12	T	1,2-Dichlorobenzene	1.357	1.303	4.0	88	-0.09	4.17
13	T	Benzyl alcohol	0.828	0.718	13.3	79	-0.08	4.13
14	T	bis(2-chloroisopropyl)eth	1.477	1.353	8.4	85	-0.07	4.25
15	T	o-cresol	1.107	1.156	-4.4	94	-0.05	4.24
16	T	Acetophenone	1.828	1.647	9.9	83	-0.07	4.34
17	T	Hexachloroethane	0.565	0.493	12.7	81	-0.08	4.41
18	P	N-Nitroso-di-n-propylamin	0.859	0.699	18.6	77	-0.07	4.36
19	T	m+p-cresols	1.213	1.173	3.3	88	-0.04	4.36
20		4-methylphenol	1.213	1.171	3.5	88	-0.04	4.36
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	57	-0.10	4.00
22		Benzaldehyde	----------NA----------					
23	I	Naphthalene-d8	1.000	1.000	0.0	94	-0.10	5.05
24	S	Nitrobenzene-d5	0.382	0.322	15.7	80	-0.12	4.47
25	T	Nitrobenzene	0.386	0.302	21.8#	75	-0.13	4.48
26	T	Isophorone	0.643	0.549	14.6	80	-0.12	4.67
27	C	2-Nitrophenol	0.184	0.185	-0.5	92	-0.11	4.75
28	T	2,4-Dimethylphenol	0.341	0.312	8.5	84	-0.09	4.79
29	T	bis(2-Chloroethoxy)methan	0.388	0.353	9.0	89	-0.09	4.86
		----------	Amount	Calc.	%Drift		----------	
30	T	Benzoic acid	50.000	39.588	20.8#	77	-0.05	4.89
		----------	AvgRF	CCRF	%Dev		----------	
31	C	2,4-Dichlorophenol	0.300	0.294	2.0	89	-0.09	4.95
32	M	1,2,4-Trichlorobenzene	0.334	0.318	4.8	92	-0.09	5.02
33	T	Naphthalene	1.044	0.945	9.5	85	-0.10	5.07
34	T	2,6-Dichlorophenol	0.297	0.286	3.7	89	-0.08	5.14
35	T	4-Chloroaniline	0.433	0.403	6.9	87	-0.08	5.14
36	C	Hexachlorobutadiene	0.208	0.181	13.0	81	-0.09	5.22

Continuing Calibration Summary

Job Number: MC24064 **Sample:** MSR1218-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R33451.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

37	C	4-Chloro-3-methylphenol	0.290	0.258	11.0	82	-0.03	5.56
38	T	2-Methylnaphthalene	0.732	0.663	9.4	84	-0.07	5.65
39	T	1-Methylnaphthalene	0.711	0.638	10.3	85	-0.06	5.75
40	T	1,2,4,5-Tetrachlorobenzen	0.387	0.351	9.3	87	-0.06	5.84
41	I	Naphthalene-d8a	1.000	1.000	0.0	58	-0.10	5.05
		----------	Amount	Calc.	%Drift		----------	
42		Caprolactam		----------NA----------				
		----------	AvgRF	CCRF	%Dev		----------	
43	I	Acenaphthene-d10	1.000	1.000	0.0	91	-0.11	6.57
44	T	Pentachloronitrobenzene	0.170	0.146	14.1	75	-0.04	7.91
45	P	Hexachlorocyclopentadiene	0.392	0.285	27.3#	64	-0.12	5.85
46	C	2,4,6-Trichlorophenol	0.371	0.362	2.4	86	-0.11	5.93
47	T	2,4,5-Trichlorophenol	0.391	0.408	-4.3	92	-0.11	5.97
48	S	2-Fluorobiphenyl	1.331	1.256	5.6	86	-0.11	5.99
49	T	2-Chloronaphthalene	1.068	1.036	3.0	89	-0.11	6.08
50	M	Acenaphthylene	1.737	1.612	7.2	83	-0.11	6.44
51	T	Dimethylphthalate	1.221	1.135	7.0	84	-0.10	6.37
52	T	2,4-Dinitrotoluene	0.368	0.356	3.3	86	-0.10	6.78
53	C	Acenaphthene	1.124	1.013	9.9	81	-0.11	6.60
54	P	2,4-Dinitrophenol	0.191	0.164	14.1	85	-0.10	6.65
55	T	Dibenzofuran	1.592	1.520	4.5	87	-0.11	6.74
56	M	2,6-Dinitrotoluene	0.278	0.272	2.2	86	-0.10	6.43
57	P	4-Nitrophenol	0.243	0.187	23.0#	68	-0.08	6.74
58	T	2,3,4,6-Tetrachlorophenol	0.334	0.330	1.2	86	-0.10	6.90
59	T	Fluorene	1.280	1.185	7.4	83	-0.11	7.05
60	T	4-Chlorophenyl-phenylethe	0.625	0.588	5.9	86	-0.11	7.05
61	T	Diethylphthalate	1.216	1.103	9.3	81	-0.10	7.00
62	T	2-nitroaniline	0.340	0.357	-5.0	92	-0.11	6.20
63	T	3-nitroaniline	0.303	0.301	0.7	91	-0.10	6.56
64	T	4-nitroaniline	0.300	0.304	-1.3	93	-0.10	7.11
65		Acenaphthene-d10a	1.000	1.000	0.0	57	-0.11	6.57
66		1,1'-Biphenyl		----------NA----------				
67	I	Phenanthrene-d10	1.000	1.000	0.0	92	-0.12	7.95
		----------	Amount	Calc.	%Drift		----------	
68	T	4,6-Dinitro-2-methylpheno	50.000	46.278	7.4	86	-0.11	7.15
		----------	AvgRF	CCRF	%Dev		----------	
69	C	n-Nitrosodiphenylamine	0.522	0.487	6.7	84	-0.12	7.17
70	T	1,2-Diphenylhydrazine	0.678	0.561	17.3	75	-0.12	7.20
71	S	2,4,6-Tribromophenol	0.120	0.112	6.7	83	-0.12	7.30
72	T	4-Bromophenyl-phenylether	0.216	0.200	7.4	83	-0.12	7.51
73	T	Hexachlorobenzene	0.244	0.220	9.8	82	-0.12	7.65
74	C	Pentachlorophenol	0.158	0.142	10.1	82	-0.11	7.84
75	T	Phenanthrene	1.081	1.012	6.4	85	-0.13	7.97
76	T	Anthracene	1.109	1.045	5.8	85	-0.12	8.02
77	T	Carbazole	0.988	0.966	2.2	86	-0.11	8.19
78	T	Di-n-butylphthalate	1.196	1.169	2.3	87	-0.09	8.61
79	C	Fluoranthene	1.140	1.108	2.8	87	-0.10	9.24
80	I	Phenanthrene-d10a	1.000	1.000	0.0	55	-0.12	7.95
81		Atrazine		----------NA----------				
82	I	Chrysene-d12	1.000	1.000	0.0	89	-0.14	10.89

Continuing Calibration Summary

Job Number: MC24064 **Sample:** MSR1218-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R33451.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

83	T	Benzidine	0.366	0.387	-5.7	89	-0.16	9.40
84	M	Pyrene	1.143	1.075	5.9	82	-0.18	9.48
85	S	Terphenyl-d14	0.856	0.821	4.1	85	-0.16	9.68
86		3,3-Dimethylbenzidine	0.471	0.577	-22.5#	106	-0.14	10.25
87	T	Butylbenzylphthalate	0.473	0.462	2.3	82	-0.13	10.30
		----------	Amount	Calc.	%Drift			
88	T	3,3'-Dichlorobenzidine	50.000	47.933	4.1	88	-0.12	10.87
		----------	AvgRF	CCRF	%Dev			
89	T	Benzo[a]anthracene	1.034	0.974	5.8	82	-0.13	10.87
90	T	Chrysene	1.028	0.988	3.9	86	-0.14	10.92
		----------	Amount	Calc.	%Drift			
91	T	bis(2-Ethylhexyl)phthalat	50.000	46.295	7.4	84	-0.10	11.01
		----------	AvgRF	CCRF	%Dev			
92	I	Perylene-d12	1.000	1.000	0.0	88	-0.14	12.47
		----------	Amount	Calc.	%Drift			
93	C	Di-n-octylphthalate	50.000	51.685	-3.4	96	-0.12	11.70
		----------	AvgRF	CCRF	%Dev			
94	T	Benzo[b]fluoranthene	1.146	1.138	0.7	84	-0.14	12.08
95	T	Benzo[k]fluoranthene	1.117	0.967	13.4	76	-0.14	12.11
96	C	Benzo[a]pyrene	1.010	0.991	1.9	83	-0.14	12.41
97	T	Indeno[1,2,3-cd]pyrene	1.261	1.200	4.8	81	-0.28	13.56
98	T	Dibenz[a,h]anthracene	1.018	1.002	1.6	84	-0.28	13.57
99	T	Benzo[g,h,i]perylene	1.047	1.040	0.7	84	-0.34	13.85
100		Naphthalene-d8b	1.000	1.000	0.0	58	-0.10	5.05
		----------	Amount	Calc.	%Drift			
101		o-Toluic Acid		----------NA----------				
102		m-Toluic Acid		----------NA----------				
		----------	AvgRF	CCRF	%Dev			
103		p-Toluic Acid		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
R31842.D R130628_8270+.m Thu Sep 12 07:50:48 2013

8.7.3

8

Continuing Calibration Summary

Job Number: MC24064 **Sample:** MSR1218-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R33452.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\R130910\R33452.D Vial: 100
Acq On : 10 Sep 2013 8:35 am Operator: kristinr
Sample : CC1159-50, tcl42 Inst : MSR
Misc : OP34233,MSR1218,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\met...\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Fri Jul 12 11:59:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	-0.10	4.00
2		N-nitrosodimethylamine		----------NA----------				
3	T	Pyridine		----------NA----------				
4	T	Aniline		----------NA----------				
5	S	2-Fluorophenol		----------NA----------				
6	T	bis(2-Chloroethyl)ether		----------NA----------				
7	S	Phenol-d5		----------NA----------				
8	C	Phenol		----------NA----------				
9	M	2-Chlorophenol		----------NA----------				
10	T	1,3-Dichlorobenzene		----------NA----------				
11	C	1,4-Dichlorobenzene		----------NA----------				
12	T	1,2-Dichlorobenzene		----------NA----------				
13	T	Benzyl alcohol		----------NA----------				
14	T	bis(2-chloroisopropyl)eth		----------NA----------				
15	T	o-cresol		----------NA----------				
16	T	Acetophenone		----------NA----------				
17	T	Hexachloroethane		----------NA----------				
18	P	N-Nitroso-di-n-propylamin		----------NA----------				
19	T	m+p-cresols		----------NA----------				
20		4-methylphenol		----------NA----------				
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	65	-0.10	4.00
22		Benzaldehyde	0.987	1.060	-7.4	67	-0.12	3.67
23	I	Naphthalene-d8	1.000	1.000	0.0	107	-0.10	5.05
24	S	Nitrobenzene-d5		----------NA----------				
25	T	Nitrobenzene		----------NA----------				
26	T	Isophorone		----------NA----------				
27	C	2-Nitrophenol		----------NA----------				
28	T	2,4-Dimethylphenol		----------NA----------				
29	T	bis(2-Chloroethoxy)methan		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
30	T	Benzoic acid		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
31	C	2,4-Dichlorophenol		----------NA----------				
32	M	1,2,4-Trichlorobenzene		----------NA----------				
33	T	Naphthalene		----------NA----------				
34	T	2,6-Dichlorophenol		----------NA----------				
35	T	4-Chloroaniline		----------NA----------				
36	C	Hexachlorobutadiene		----------NA----------				

Continuing Calibration Summary

Job Number: MC24064 **Sample:** MSR1218-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R33452.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

37	C	4-Chloro-3-methylphenol		----------NA----------					
38	T	2-Methylnaphthalene		----------NA----------					
39	T	1-Methylnaphthalene		----------NA----------					
40	T	1,2,4,5-Tetrachlorobenzen		----------NA----------					
41	I	Naphthalene-d8a	1.000	1.000	0.0	66	-0.10	5.05	
		----------	Amount	Calc.	%Drift	----------			
42		Caprolactam	50.000	49.355	1.3	65	-0.09	5.41	
		----------	AvgRF	CCRF	%Dev	----------			
43	I	Acenaphthene-d10	1.000	1.000	0.0	105	-0.11	6.57	
44	T	Pentachloronitrobenzene		----------NA----------					
45	P	Hexachlorocyclopentadiene		----------NA----------					
46	C	2,4,6-Trichlorophenol		----------NA----------					
47	T	2,4,5-Trichlorophenol		----------NA----------					
48	S	2-Fluorobiphenyl		----------NA----------					
49	T	2-Chloronaphthalene		----------NA----------					
50	M	Acenaphthylene		----------NA----------					
51	T	Dimethylphthalate		----------NA----------					
52	T	2,4-Dinitrotoluene		----------NA----------					
53	C	Acenaphthene		----------NA----------					
54	P	2,4-Dinitrophenol		----------NA----------					
55	T	Dibenzofuran		----------NA----------					
56	M	2,6-Dinitrotoluene		----------NA----------					
57	P	4-Nitrophenol		----------NA----------					
58	T	2,3,4,6-Tetrachlorophenol		----------NA----------					
59	T	Fluorene		----------NA----------					
60	T	4-Chlorophenyl-phenylethe		----------NA----------					
61	T	Diethylphthalate		----------NA----------					
62	T	2-nitroaniline		----------NA----------					
63	T	3-nitroaniline		----------NA----------					
64	T	4-nitroaniline		----------NA----------					
65		Acenaphthene-d10a	1.000	1.000	0.0	66	-0.11	6.57	
66		1,1'-Biphenyl	1.461	1.565	-7.1	70	-0.12	6.07	
67	I	Phenanthrene-d10	1.000	1.000	0.0	106	-0.12	7.95	
		----------	Amount	Calc.	%Drift	----------			
68	T	4,6-Dinitro-2-methylpheno		----------NA----------					
		----------	AvgRF	CCRF	%Dev	----------			
69	C	n-Nitrosodiphenylamine		----------NA----------					
70	T	1,2-Diphenylhydrazine		----------NA----------					
71	S	2,4,6-Tribromophenol		----------NA----------					
72	T	4-Bromophenyl-phenylether		----------NA----------					
73	T	Hexachlorobenzene		----------NA----------					
74	C	Pentachlorophenol		----------NA----------					
75	T	Phenanthrene		----------NA----------					
76	T	Anthracene		----------NA----------					
77	T	Carbazole		----------NA----------					
78	T	Di-n-butylphthalate		----------NA----------					
79	C	Fluoranthene		----------NA----------					
80	I	Phenanthrene-d10a	1.000	1.000	0.0	64	-0.12	7.95	
81		Atrazine	0.196	0.210	-7.1	63	-0.10	7.71	
82	I	Chrysene-d12	1.000	1.000	0.0	104	-0.14	10.89	

Continuing Calibration Summary

Job Number: MC24064 **Sample:** MSR1218-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R33452.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

83	T	Benzidine			NA				
84	M	Pyrene			NA				
85	S	Terphenyl-d14			NA				
86		3,3-Dimethylbenzidine			NA				
87	T	Butylbenzylphthalate			NA				
			Amount	Calc.	%Drift				
88	T	3,3'-Dichlorobenzidine			NA				
			AvgRF	CCRF	%Dev				
89	T	Benzo[a]anthracene			NA				
90	T	Chrysene			NA				
			Amount	Calc.	%Drift				
91	T	bis(2-Ethylhexyl)phthalat			NA				
			AvgRF	CCRF	%Dev				
92	I	Perylene-d12	1.000	1.000	0.0	104	-0.14	12.47	
			Amount	Calc.	%Drift				
93	C	Di-n-octylphthalate			NA				
			AvgRF	CCRF	%Dev				
94	T	Benzo[b]fluoranthene			NA				
95	T	Benzo[k]fluoranthene			NA				
96	C	Benzo[a]pyrene			NA				
97	T	Indeno[1,2,3-cd]pyrene			NA				
98	T	Dibenz[a,h]anthracene			NA				
99	T	Benzo[g,h,i]perylene			NA				
100		Naphthalene-d8b	1.000	1.000	0.0	66	-0.10	5.05	
			Amount	Calc.	%Drift				
101		o-Toluic Acid			NA				
102		m-Toluic Acid			NA				
			AvgRF	CCRF	%Dev				
103		p-Toluic Acid			NA				

(#) = Out of Range SPCC's out = 4 CCC's out = 13
R31842.D R130628_8270+.m Thu Sep 12 07:50:50 2013

8.7.4

8

New England ACCUTEST LABORATORIES

GC/MS Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33461.D
Acq On : 10 Sep 2013 11:59 am
Operator : kristinr
Sample : mc24064-1
Misc : OP34724,MSR1218,20.46,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 12 10:01:52 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

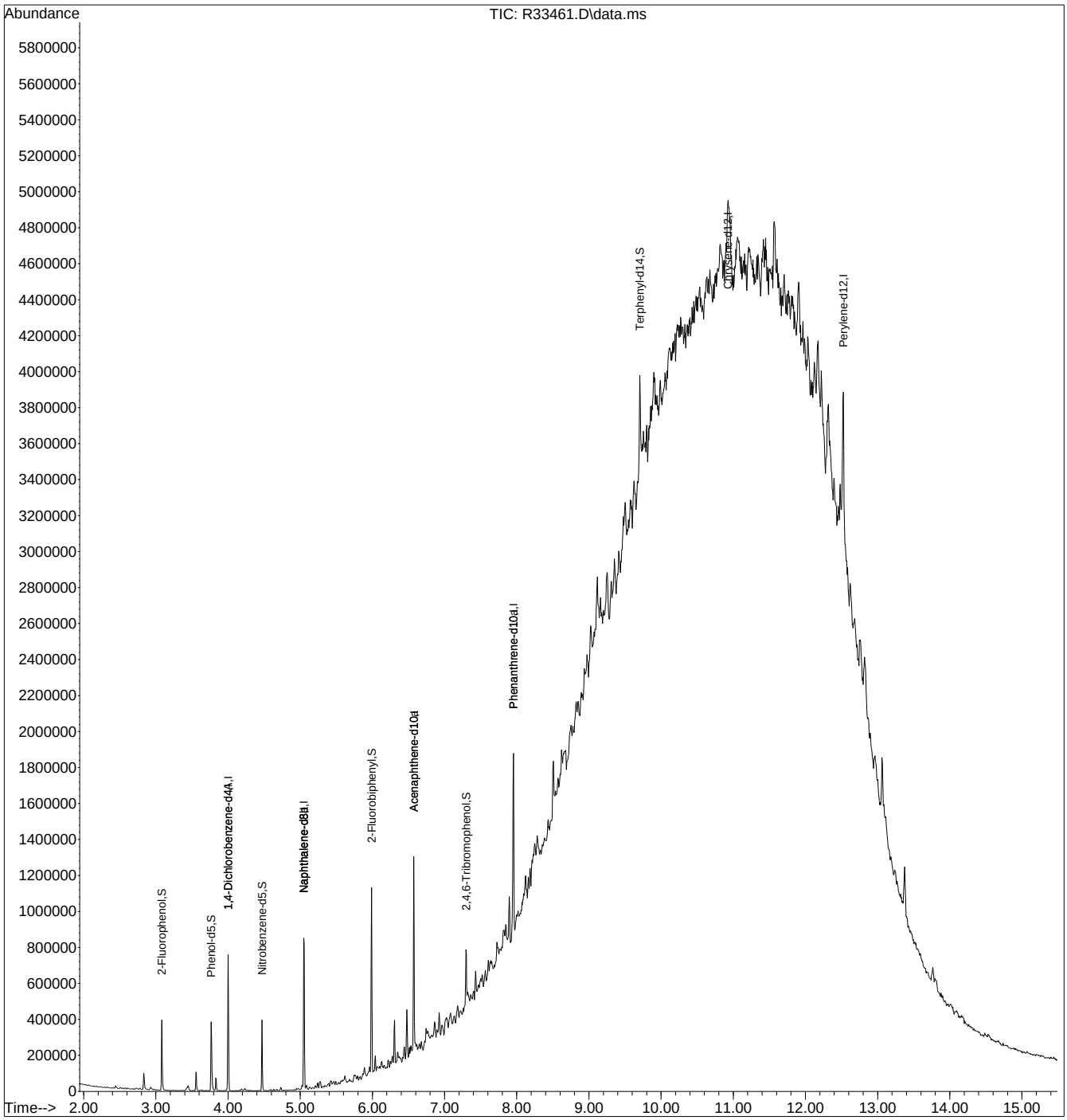
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.001	152	100512	40.00	ppm	-0.10
21) 1,4-Dichlorobenzene-d4A	4.001	152	100512	40.00	PPM	-0.10
23) Naphthalene-d8	5.048	136	362634	40.00	ppm	-0.10
41) Naphthalene-d8a	5.048	136	362634	40.00	ppm	-0.10
43) Acenaphthene-d10	6.572	164	225261	40.00	ppm	-0.11
65) Acenaphthene-d10a	6.572	164	225261	40.00	ppm	-0.11
67) Phenanthrene-d10	7.954	188	365319	40.00	ppm	-0.12
80) Phenanthrene-d10a	7.954	188	365319	40.00	ppm	-0.12
82) Chrysene-d12	10.924	240	360345	40.00	ppm	-0.10
92) Perylene-d12	12.524	264	355091	40.00	ppm	-0.09
100) Naphthalene-d8b	5.048	136	362634	40.00	ug/mL	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	3.084	112	105388	34.59	ppm	-0.13
Spiked Amount 100.000	Range 30 - 130		Recovery = 34.59%			
7) Phenol-d5	3.766	99	132174	34.26	ppm	-0.08
Spiked Amount 100.000	Range 30 - 130		Recovery = 34.26%			
24) Nitrobenzene-d5	4.472	82	102331	29.53	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 59.06%			
48) 2-Fluorobiphenyl	5.989	172	281256	37.53	ppm	-0.11
Spiked Amount 50.000	Range 30 - 130		Recovery = 75.06%			
71) 2,4,6-Tribromophenol	7.301	330	43582	39.81	ppm	-0.12
Spiked Amount 100.000	Range 30 - 130		Recovery = 39.81%			
85) Terphenyl-d14	9.707	244	330610	42.86	ppm	-0.14
Spiked Amount 50.000	Range 30 - 130		Recovery = 85.72%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33461.D
Acq On : 10 Sep 2013 11:59 am
Operator : kristinr
Sample : mc24064-1
Misc : OP34724,MSR1218,20.46,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 12 10:01:52 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



R130628_8270+.m Thu Sep 12 10:01:58 2013 Page: 2

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33461.D
Acq On : 10 Sep 2013 11:59 am
Operator : kristinr
Sample : mc24064-1
Misc : OP34724,MSR1218,20.46,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

Signal : TIC: R33461.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.319	63	65	77	rVB6	6215	9917	0.01%	0.008%
2	2.443	83	86	94	rVB2	16371	21995	0.02%	0.018%
3	2.507	94	97	100	rVV3	9398	10477	0.01%	0.008%
4	2.543	101	103	105	rVV2	6176	4665	0.00%	0.004%
5	2.572	105	108	112	rVV5	6058	8201	0.01%	0.007%
6	2.607	112	114	124	rVV5	7301	12942	0.01%	0.010%
7	2.684	124	127	131	rVV4	4370	4625	0.00%	0.004%
8	2.725	131	134	141	rVV5	7818	13676	0.01%	0.011%
9	2.778	141	143	147	rVB4	8110	9151	0.01%	0.007%
10	2.831	147	152	164	rVB	93093	101310	0.10%	0.081%
11	2.931	164	169	175	rBV3	15380	23627	0.02%	0.019%
12	2.978	175	177	181	rVB3	4934	4039	0.00%	0.003%
13	3.084	191	195	204	rBV	392406	336859	0.35%	0.269%
14	3.172	208	210	214	rVB	1979	1995	0.00%	0.002%
15	3.248	222	223	229	rVB2	1484	2136	0.00%	0.002%
16	3.448	243	257	268	rVB	28364	63146	0.06%	0.050%
17	3.554	272	275	284	rBV	103852	93138	0.10%	0.074%
18	3.631	284	288	296	rVB3	4835	8242	0.01%	0.007%
19	3.695	296	299	303	rVB2	2459	3143	0.00%	0.003%
20	3.725	303	304	307	rBV3	2388	2623	0.00%	0.002%
21	3.766	307	311	319	rBV	382967	344592	0.35%	0.275%
22	3.831	319	322	329	rVV	72174	55808	0.06%	0.045%
23	3.884	329	331	336	rVB3	2913	3001	0.00%	0.002%
24	3.937	336	340	342	rBV3	1501	1707	0.00%	0.001%
25	4.001	342	351	359	rVB	758670	571587	0.59%	0.456%
26	4.125	365	372	374	rVB4	1890	3243	0.00%	0.003%
27	4.154	374	377	379	rBV	4290	3308	0.00%	0.003%
28	4.190	379	383	386	rVV3	10062	11616	0.01%	0.009%
29	4.231	386	390	397	rVV3	13160	19756	0.02%	0.016%
30	4.301	400	402	407	rVB2	3846	4428	0.00%	0.004%
31	4.401	417	419	421	rBV2	2100	2278	0.00%	0.002%
32	4.472	421	431	437	rVV	394129	308114	0.32%	0.246%
33	4.531	437	441	444	rVB3	3603	4936	0.01%	0.004%
34	4.572	444	448	449	rBV3	4753	5178	0.01%	0.004%
35	4.595	449	452	454	rVB	6933	5587	0.01%	0.004%
36	4.631	456	458	461	rVB3	8223	6280	0.01%	0.005%
37	4.672	461	465	469	rBV	8274	8023	0.01%	0.006%
38	4.731	469	475	480	rBV2	19630	19443	0.02%	0.016%
39	4.772	480	482	484	rVB	4094	2465	0.00%	0.002%
40	4.807	484	488	490	rVB3	3710	3435	0.00%	0.003%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33461.D
Acq On : 10 Sep 2013 11:59 am
Operator : kristinr
Sample : mc24064-1
Misc : OP34724,MSR1218,20.46,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

41	4.825	490	491	493	rBV2	2741	1989	0.00%	0.002%
42	4.866	493	498	500	rBV3	3685	5125	0.01%	0.004%
43	4.890	500	502	504	rVB3	2890	2626	0.00%	0.002%
44	4.919	504	507	510	rBV4	4940	5197	0.01%	0.004%
45	4.948	510	512	514	rBV3	9618	8545	0.01%	0.007%
46	4.972	514	516	519	rVB3	9200	8956	0.01%	0.007%
47	5.048	519	529	533	rBV	845291	771166	0.79%	0.615%
48	5.090	533	536	539	rVB2	24817	27011	0.03%	0.022%
49	5.131	539	543	547	rBV5	14481	23092	0.02%	0.018%
50	5.172	547	550	554	rBV5	8457	13579	0.01%	0.011%
51	5.213	554	557	559	rBV	16382	16462	0.02%	0.013%
52	5.242	559	562	564	rVB	30306	24642	0.03%	0.020%
53	5.278	564	568	571	rBV3	36670	48481	0.05%	0.039%
54	5.313	571	574	577	rBV3	10154	13799	0.01%	0.011%
55	5.342	577	579	583	rBV4	9544	12236	0.01%	0.010%
56	5.395	583	588	590	rVB5	19096	24630	0.03%	0.020%
57	5.419	590	592	596	rBV3	32564	50286	0.05%	0.040%
58	5.466	596	600	602	rVB5	18087	22451	0.02%	0.018%
59	5.489	602	604	608	rBV3	19399	17000	0.02%	0.014%
60	5.531	608	611	614	rBV4	11924	11941	0.01%	0.010%
61	5.584	614	620	622	rBV3	21411	41929	0.04%	0.033%
62	5.619	622	626	631	rVB5	36864	48609	0.05%	0.039%
63	5.684	631	637	644	rBV9	18326	35043	0.04%	0.028%
64	5.760	644	650	653	rBV6	40438	85895	0.09%	0.069%
65	5.795	654	656	658	rVB3	24434	22636	0.02%	0.018%
66	5.831	659	662	664	rVB3	18115	16212	0.02%	0.013%
67	5.889	664	672	677	rBV6	68611	139834	0.14%	0.112%
68	5.989	678	689	693	rBV	1048282	880029	0.91%	0.702%
69	6.042	695	698	700	rBV	85660	64893	0.07%	0.052%
70	6.101	700	708	709	rBV7	26789	60507	0.06%	0.048%
71	6.131	709	713	717	rVV5	38958	47713	0.05%	0.038%
72	6.219	725	728	731	rBV4	45472	50972	0.05%	0.041%
73	6.278	731	738	740	rBV7	64122	115242	0.12%	0.092%
74	6.307	740	743	746	rVB	244732	194783	0.20%	0.155%
75	6.348	747	750	760	rVV8	58521	118230	0.12%	0.094%
76	6.442	760	766	769	rBV6	87132	122398	0.13%	0.098%
77	6.478	769	772	775	rBV	275944	243553	0.25%	0.194%
78	6.513	775	778	779	rBV2	57148	46133	0.05%	0.037%
79	6.531	780	781	784	rVV3	40887	38894	0.04%	0.031%
80	6.572	784	788	798	rVV	1083962	1010124	1.04%	0.806%
81	6.678	804	806	810	rVB4	49512	50210	0.05%	0.040%
82	6.742	811	817	833	rBV5	119166	575186	0.59%	0.459%
83	6.860	834	837	841	rVB6	94636	116312	0.12%	0.093%
84	6.895	841	843	845	rBV2	43164	47935	0.05%	0.038%
85	6.925	845	848	851	rVB3	125693	121414	0.12%	0.097%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33461.D
Acq On : 10 Sep 2013 11:59 am
Operator : kristinr
Sample : mc24064-1
Misc : OP34724,MSR1218,20.46,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

86	6.966	852	855	859	rVB5	57590	90817	0.09%	0.072%
87	7.025	860	865	870	rBV8	85460	201748	0.21%	0.161%
88	7.083	870	875	879	rBV7	80939	147494	0.15%	0.118%
89	7.184	887	892	895	rBV4	96705	174488	0.18%	0.139%
90	7.295	907	911	920	rBV5	318400	448922	0.46%	0.358%
91	7.431	931	934	938	rBV2	160091	198935	0.20%	0.159%
92	7.725	982	984	997	rBV9	104892	361283	0.37%	0.288%
93	7.825	997	1001	1003	rBV4	100047	172131	0.18%	0.137%
94	7.895	1010	1013	1018	rVB2	247499	228947	0.24%	0.183%
95	7.954	1018	1023	1027	rBV	1043600	1118037	1.15%	0.892%
96	8.507	1113	1117	1134	rBV	332379	1436563	1.48%	1.146%
97	10.930	1318	1529	1634	rBV10	1503302	97220546	100.00%	77.590%
98	12.524	1796	1800	1837	rVB	1522666	6667874	6.86%	5.322%
99	13.060	1889	1891	1941	rVB4	811927	4787062	4.92%	3.820%
100	13.377	1941	1945	2007	rVB3	630979	4521093	4.65%	3.608%

Sum of corrected areas: 125300532

LSC Report - Integrated Chromatogram

```
Data Path : C:\msdchem\1\data\R130910\
Data File : R33461.D
Acq On    : 10 Sep 2013  11:59 am
Operator  : kristinr
Sample    : mc24064-1
Misc      : OP34724,MSR1218,20.46,,,1,1
ALS Vial  : 9   Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title  : SW-864 Method 8270

TIC Library   : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P
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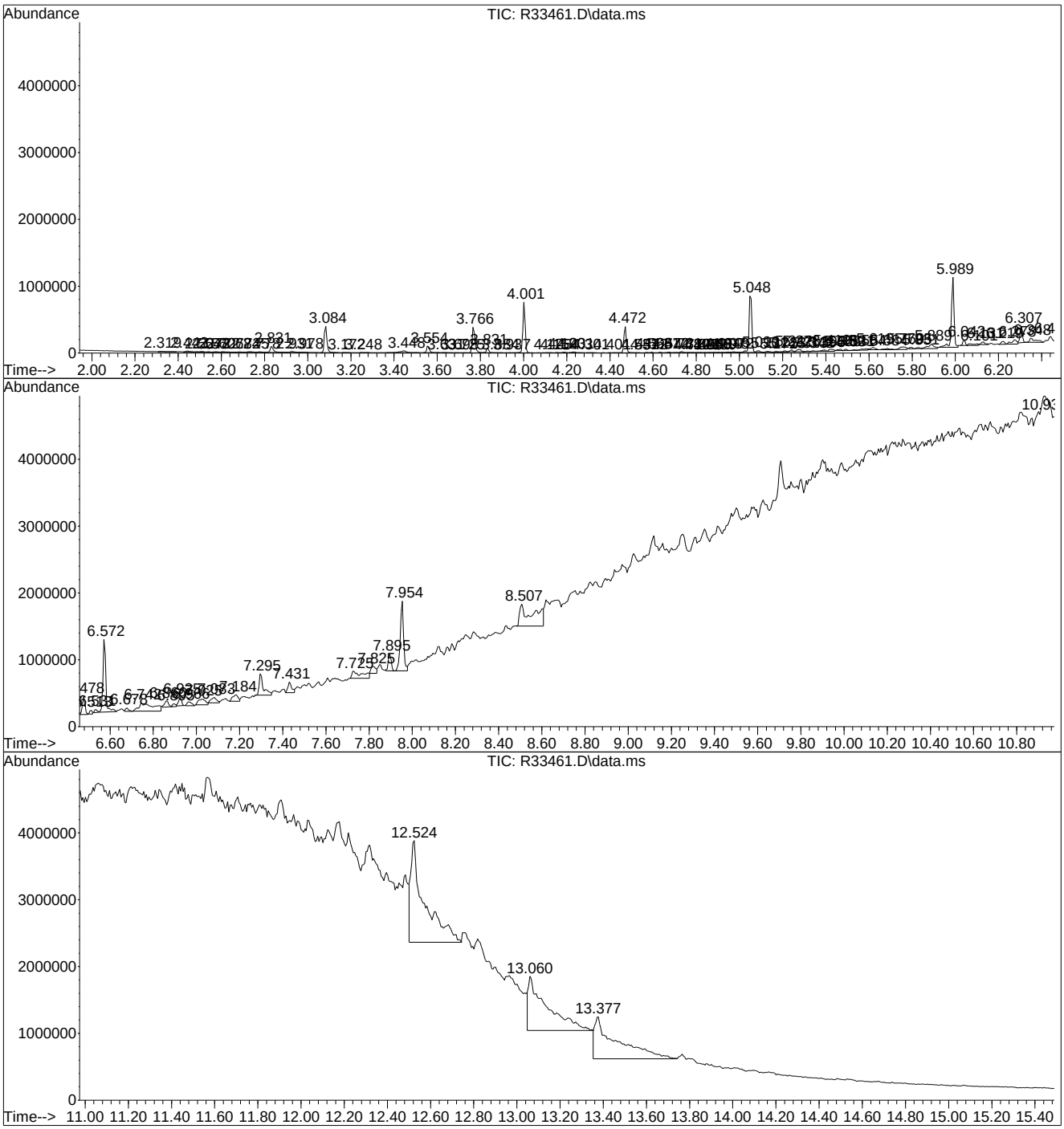

Library Search Compound Report

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Data Path : C:\msdchem\1\data\R130910\
Data File : R33461.D
Acq On    : 10 Sep 2013  11:59 am
Operator  : kristinr
Sample    : mc24064-1
Misc      : OP34724,MSR1218,20.46,,,1,1
ALS Vial  : 9   Sample Multiplier: 1

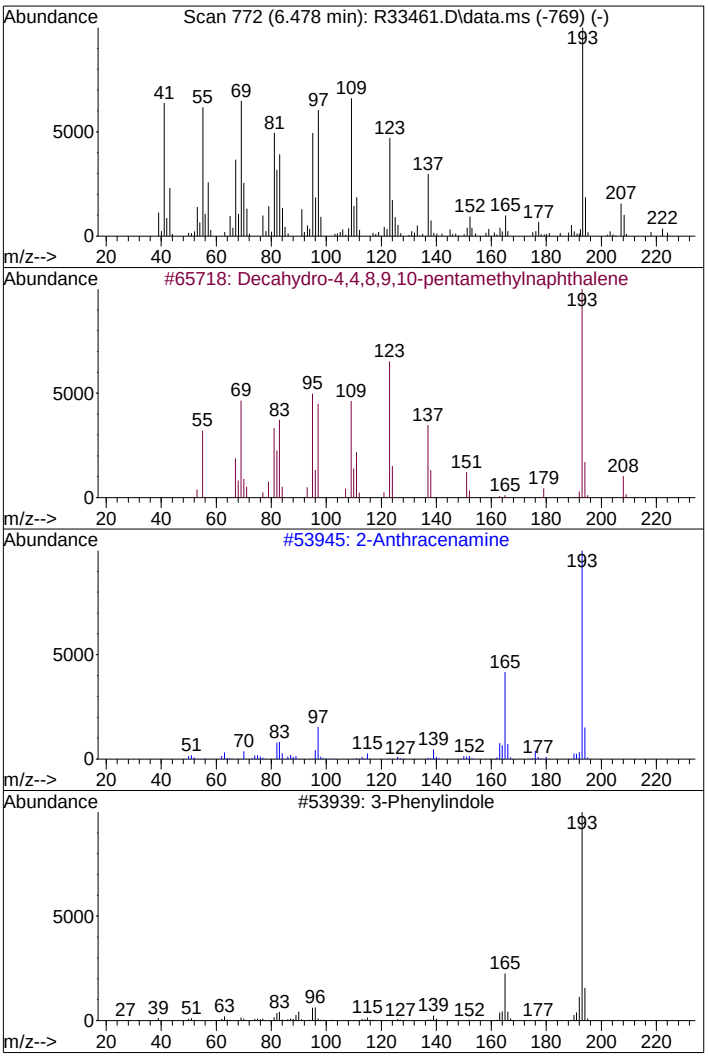
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title  : SW-864 Method 8270

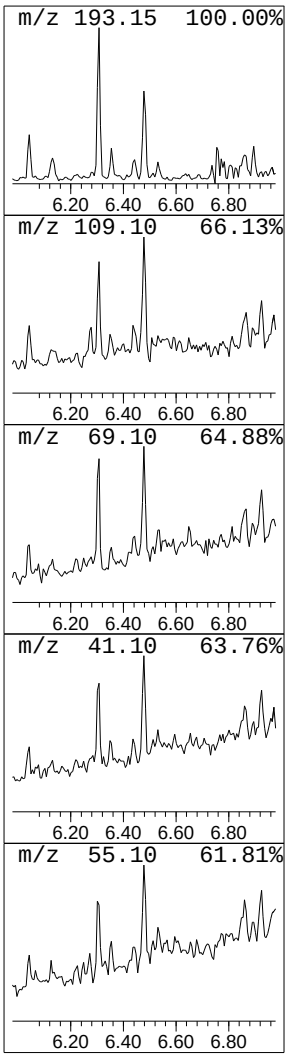
TIC Library   : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

**********************************************************************
Peak Number  4  Decahydro-4,4,8,9,10-pentam...  Concentration Rank  6
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.478	9.64 ppm	243553	Acenaphthene-d10	6.572

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	91
2	2-Anthracenamine	193	C14H11N	000613-13-8	53
3	3-Phenylindole	193	C14H11N	001504-16-1	35
4	9-Phenanthrenamine	193	C14H11N	000947-73-9	22
5	Cyclododecanone, 2-methylene-	194	C13H22O	003045-76-9	22





Library Search Compound Report

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Data Path : C:\msdchem\1\data\R130910\
Data File : R33461.D
Acq On    : 10 Sep 2013  11:59 am
Operator  : kristinr
Sample    : mc24064-1
Misc      : OP34724,MSR1218,20.46,,,1,1
ALS Vial  : 9   Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title  : SW-864 Method 8270

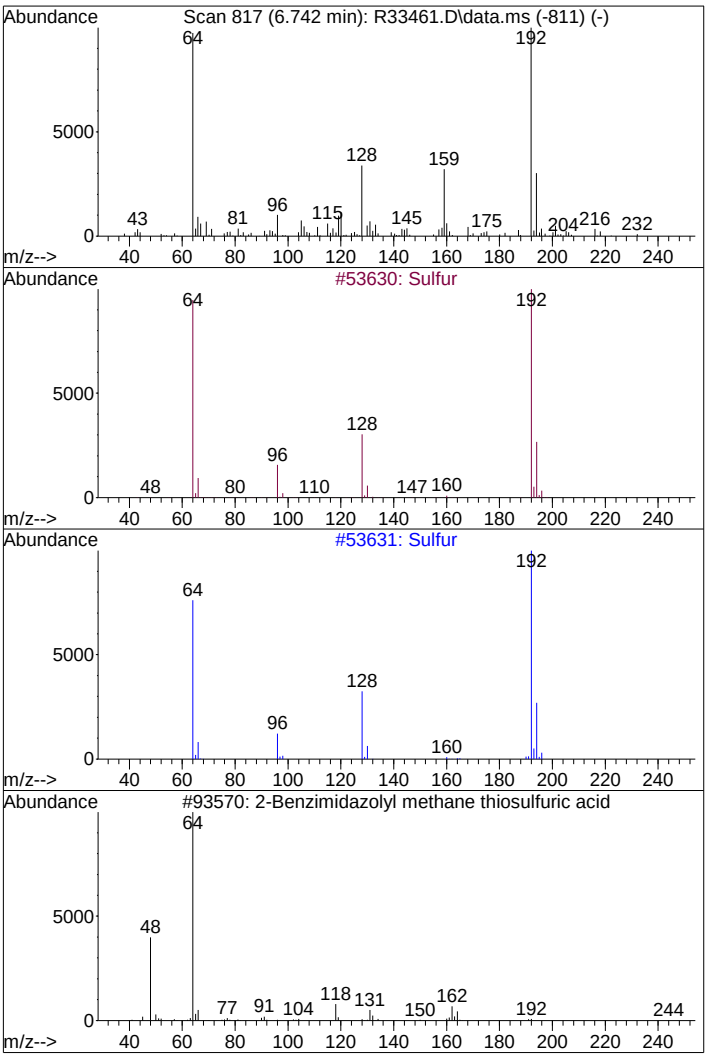
TIC Library   : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P
```

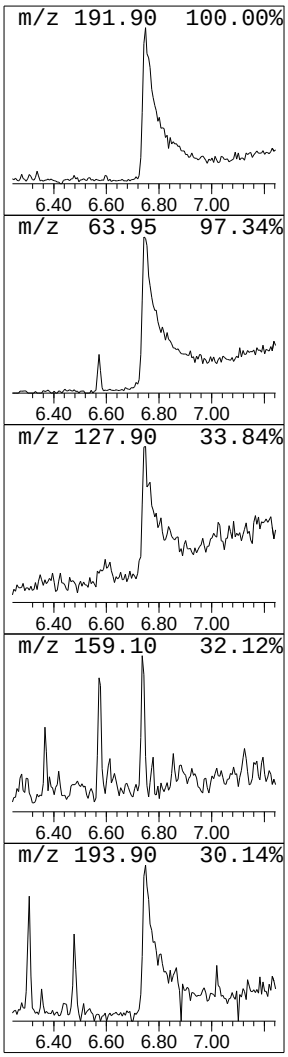
****

Peak Number 5 Sulfur Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.742	22.78 ppm	575186	Acenaphthene-d10a	6.572

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur	192	S6	013798-23-7	90
2	Sulfur	192	S6	013798-23-7	87
3	2-Benzimidazolyl methane thiosul...	244	C8H8N2O3S2	1000256-39-2	40
4	Di(tert-butyl) trisulfide, perfl...	534	C8F18S3	016005-64-4	33
5	l-Leucine, N-(2-chloroethoxycarb...	293	C13H24ClNO4	1000327-95-2	10





Library Search Compound Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33461.D
Acq On : 10 Sep 2013 11:59 am
Operator : kristinr
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Misc : OP34724,MSR1218,20.46,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

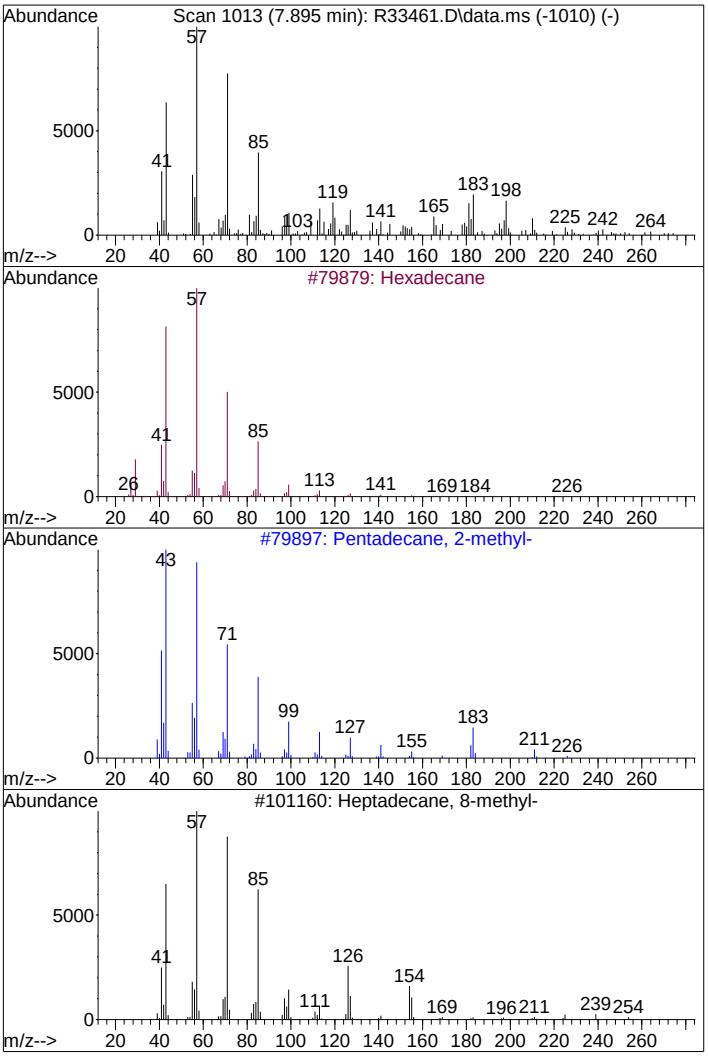
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

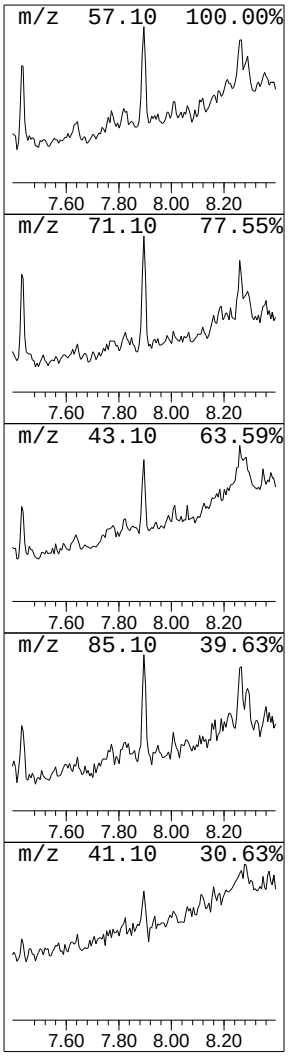
****

Peak Number 12 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.895	8.19 ppm	228947	Phenanthrene-d10	7.954

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Pentadecane, 2-methyl-	226	C16H34	001560-93-6	89
3	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	86
4	Pentadecane, 2-methyl-	226	C16H34	001560-93-6	81
5	Hexadecane	226	C16H34	000544-76-3	64





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\R130910\
Data File : R33461.D
Acq On : 10 Sep 2013 11:59 am
Operator : kristinr
Sample : mc24064-1
Misc : OP34724,MSR1218,20.46,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Decahydro-4,4,8...	6.478	9.6	ppm	243553	6	6.572	1010120	40.0
Sulfur	6.742	22.8	ppm	575186	7	6.572	1010120	40.0
Hexadecane	7.895	8.2	ppm	228947	8	7.954	1118040	40.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33453.D
Acq On : 10 Sep 2013 8:58 am
Operator : kristinr
Sample : op34724-mb
Misc : OP34724,MSR1218,20.21,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 09:19:50 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

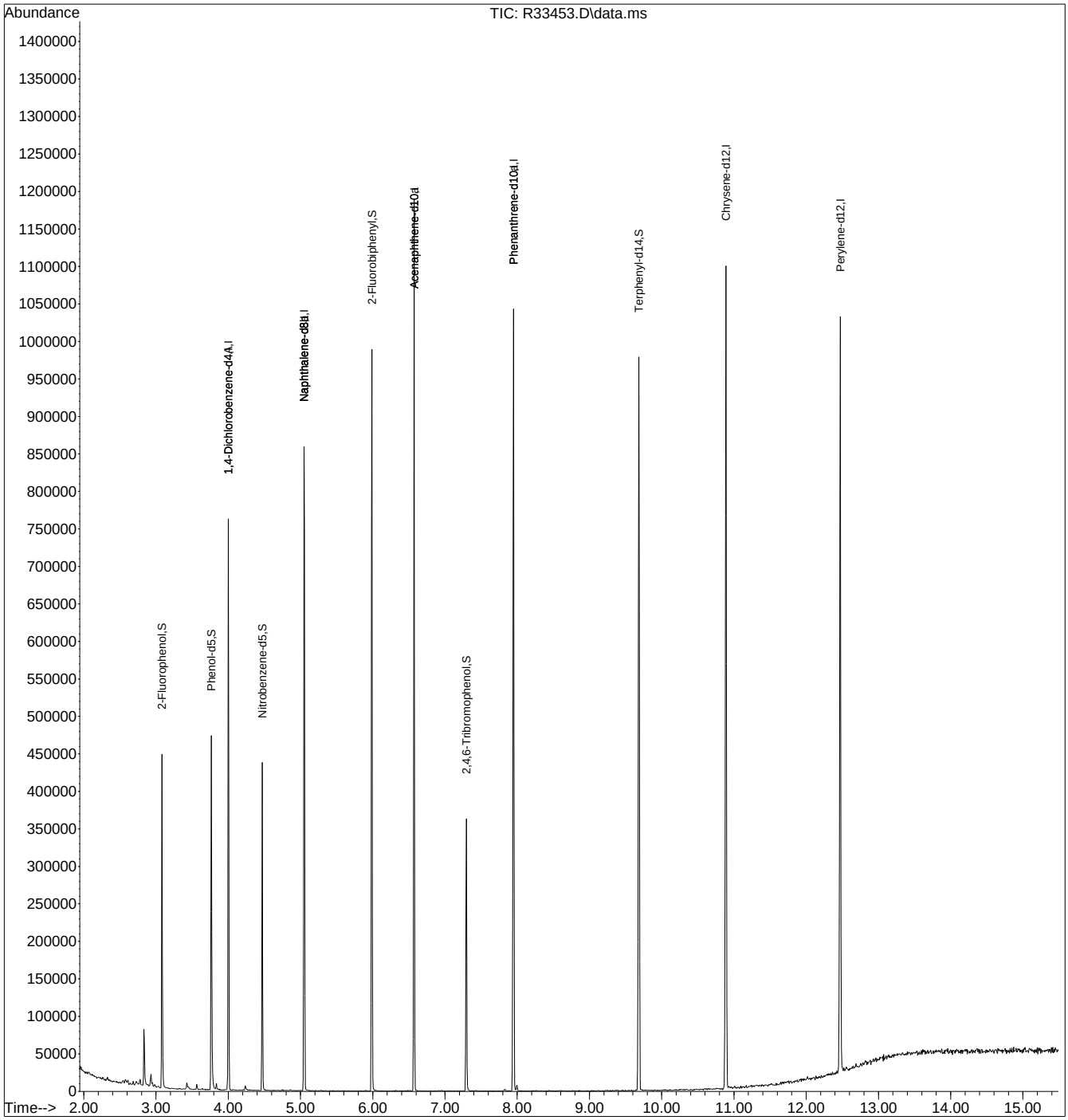
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.001	152	100688	40.00	ppm	-0.10
21) 1,4-Dichlorobenzene-d4A	4.001	152	100688	40.00	PPM	-0.10
23) Naphthalene-d8	5.048	136	357509	40.00	ppm	-0.10
41) Naphthalene-d8a	5.048	136	357509	40.00	ppm	-0.10
43) Acenaphthene-d10	6.572	164	215109	40.00	ppm	-0.11
65) Acenaphthene-d10a	6.572	164	215109	40.00	ppm	-0.11
67) Phenanthrene-d10	7.948	188	374333	40.00	ppm	-0.12
80) Phenanthrene-d10a	7.948	188	374333	40.00	ppm	-0.12
82) Chrysene-d12	10.889	240	392125	40.00	ppm	-0.14
92) Perylene-d12	12.471	264	381698	40.00	ppm	-0.14
100) Naphthalene-d8b	5.048	136	357509	40.00	ug/mL	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	3.084	112	114555	37.53	ppm	-0.13
Spiked Amount 100.000	Range 30 - 130		Recovery = 37.53%			
7) Phenol-d5	3.766	99	143928	37.24	ppm	-0.08
Spiked Amount 100.000	Range 30 - 130		Recovery = 37.24%			
24) Nitrobenzene-d5	4.472	82	113985	33.37	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 66.74%			
48) 2-Fluorobiphenyl	5.990	172	279572	39.07	ppm	-0.11
Spiked Amount 50.000	Range 30 - 130		Recovery = 78.14%			
71) 2,4,6-Tribromophenol	7.295	330	43279	38.59	ppm	-0.12
Spiked Amount 100.000	Range 30 - 130		Recovery = 38.59%			
85) Terphenyl-d14	9.683	244	362908	43.23	ppm	-0.16
Spiked Amount 50.000	Range 30 - 130		Recovery = 86.46%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33453.D
Acq On : 10 Sep 2013 8:58 am
Operator : kristinr
Sample : op34724-mb
Misc : OP34724,MSR1218,20.21,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 09:19:50 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33453.D
Acq On : 10 Sep 2013 8:58 am
Operator : kristinr
Sample : op34724-mb
Misc : OP34724,MSR1218,20.21,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

Signal : TIC: R33453.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.260	54	55	63	rVB5	5008	7575	0.70%	0.087%
2	2.325	63	66	93	rVB7	8029	30054	2.78%	0.344%
3	2.543	99	103	106	rVV4	3573	5217	0.48%	0.060%
4	2.578	106	109	112	rVV3	5591	7238	0.67%	0.083%
5	2.613	112	115	119	rVB3	5360	4889	0.45%	0.056%
6	2.684	125	127	130	rVB2	5291	3501	0.32%	0.040%
7	2.731	130	135	139	rVV7	5177	10090	0.93%	0.116%
8	2.778	139	143	149	rVV3	8374	12182	1.13%	0.140%
9	2.831	149	152	165	rVV	76104	77022	7.13%	0.882%
10	2.931	165	169	175	rVV2	16664	20950	1.94%	0.240%
11	2.984	175	178	182	rVV3	3529	3405	0.32%	0.039%
12	3.037	182	187	190	rVB4	2273	4405	0.41%	0.050%
13	3.084	190	195	215	rVB	446098	367143	33.98%	4.205%
14	3.219	215	218	231	rVB3	1710	5319	0.49%	0.061%
15	3.319	231	235	242	rBV2	1399	2599	0.24%	0.030%
16	3.425	249	253	269	rVB2	9134	14418	1.33%	0.165%
17	3.566	272	277	282	rVB2	7174	7224	0.67%	0.083%
18	3.731	303	305	307	rBV3	1158	1144	0.11%	0.013%
19	3.766	307	311	321	rVV	472350	368844	34.13%	4.225%
20	3.837	321	323	326	rVB	7921	5159	0.48%	0.059%
21	4.001	341	351	358	rVV	762030	552456	51.12%	6.328%
22	4.066	358	362	372	rVB2	1042	2113	0.20%	0.024%
23	4.207	381	386	388	rVB2	1040	1339	0.12%	0.015%
24	4.237	388	391	397	rBV3	6276	8076	0.75%	0.093%
25	4.472	425	431	439	rBV	437571	335428	31.04%	3.842%
26	4.684	466	467	473	rVB	1002	1735	0.16%	0.020%
27	4.860	494	497	504	rVB2	1607	2511	0.23%	0.029%
28	5.048	525	529	539	rBV	858968	707774	65.50%	8.107%
29	5.990	684	689	696	rBV	989104	747941	69.22%	8.567%
30	6.301	737	742	743	rVB2	1080	1471	0.14%	0.017%
31	6.319	743	745	747	rBV	1238	1185	0.11%	0.014%
32	6.572	781	788	796	rVB	1188948	873628	80.85%	10.007%
33	7.295	905	911	920	rVB	363180	316628	29.30%	3.627%
34	7.484	940	943	949	rVB2	855	1540	0.14%	0.018%
35	7.684	973	977	979	rBV	959	1158	0.11%	0.013%
36	7.831	992	1002	1004	rBV	2640	3687	0.34%	0.042%
37	7.948	1016	1022	1028	rBV	1043347	914633	84.64%	10.476%
38	7.995	1028	1030	1035	rVB	8205	7511	0.70%	0.086%
39	8.442	1101	1106	1113	rBV2	1371	3071	0.28%	0.035%
40	8.554	1121	1125	1127	rBV2	1183	1473	0.14%	0.017%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33453.D
Acq On : 10 Sep 2013 8:58 am
Operator : kristinr
Sample : op34724-mb
Misc : OP34724,MSR1218,20.21,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

41	8.642	1138	1140	1149	rVB3	587	1487	0.14%	0.017%
42	8.795	1163	1166	1173	rVB2	633	1164	0.11%	0.013%
43	8.866	1176	1178	1180	rBV	1448	1263	0.12%	0.014%
44	8.954	1189	1193	1196	rVB	903	1371	0.13%	0.016%
45	8.978	1196	1197	1204	rBB2	1089	1689	0.16%	0.019%
46	9.031	1204	1206	1208	rBV	1235	1194	0.11%	0.014%
47	9.136	1216	1224	1225	rVB3	946	1747	0.16%	0.020%
48	9.319	1252	1255	1260	rBV	1594	2431	0.22%	0.028%
49	9.366	1260	1263	1265	rVV3	1240	1678	0.16%	0.019%
50	9.383	1265	1266	1271	rVB2	1134	1419	0.13%	0.016%
51	9.495	1284	1285	1288	rBV	1434	1138	0.11%	0.013%
52	9.583	1297	1300	1302	rVB	1638	1306	0.12%	0.015%
53	9.642	1306	1310	1311	rBV	2004	1578	0.15%	0.018%
54	9.683	1311	1317	1325	rVV	978688	961707	89.00%	11.016%
55	9.778	1332	1333	1341	rBV3	925	1824	0.17%	0.021%
56	9.901	1351	1354	1359	rBV	1715	2276	0.21%	0.026%
57	10.048	1378	1379	1384	rVB3	1858	1907	0.18%	0.022%
58	10.119	1384	1391	1395	rBV2	1894	3053	0.28%	0.035%
59	10.201	1395	1405	1409	rVB3	1501	3584	0.33%	0.041%
60	10.230	1409	1410	1413	rBV2	1390	1308	0.12%	0.015%
61	10.342	1425	1429	1435	rVB2	1239	1739	0.16%	0.020%
62	10.401	1438	1439	1444	rVB2	1682	2558	0.24%	0.029%
63	10.448	1444	1447	1448	rBV2	2318	1681	0.16%	0.019%
64	10.478	1448	1452	1455	rVV2	1620	2534	0.23%	0.029%
65	10.536	1460	1462	1464	rBV2	1406	1196	0.11%	0.014%
66	10.601	1469	1473	1475	rBV2	2750	3714	0.34%	0.043%
67	10.642	1478	1480	1483	rBV2	1946	2124	0.20%	0.024%
68	10.719	1490	1493	1494	rBV2	1241	1288	0.12%	0.015%
69	10.754	1498	1499	1510	rVB5	1603	3724	0.34%	0.043%
70	10.830	1510	1512	1514	rVB2	2156	1786	0.17%	0.020%
71	10.889	1514	1522	1528	rBV	1099122	1051255	97.28%	12.041%
72	11.007	1538	1542	1545	rBV3	3416	4532	0.42%	0.052%
73	11.054	1549	1550	1554	rVB4	2144	2183	0.20%	0.025%
74	11.095	1554	1557	1559	rBV2	3561	3547	0.33%	0.041%
75	11.130	1559	1563	1566	rBV3	2278	3982	0.37%	0.046%
76	11.172	1566	1570	1572	rBV	3902	3225	0.30%	0.037%
77	11.242	1572	1582	1583	rVV4	3491	6672	0.62%	0.076%
78	11.313	1589	1594	1600	rBV4	2582	6185	0.57%	0.071%
79	11.354	1600	1601	1605	rVB3	2120	2125	0.20%	0.024%
80	11.389	1605	1607	1611	rBV4	2684	3139	0.29%	0.036%
81	11.442	1611	1616	1621	rVB6	2509	5977	0.55%	0.068%
82	11.513	1621	1628	1638	rBV10	4035	15191	1.41%	0.174%
83	11.583	1638	1640	1641	rVB2	3117	1613	0.15%	0.018%
84	11.648	1647	1651	1652	rBV4	3373	2593	0.24%	0.030%
85	11.666	1653	1654	1658	rVB4	2953	3002	0.28%	0.034%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33453.D
Acq On : 10 Sep 2013 8:58 am
Operator : kristinr
Sample : op34724-mb
Misc : OP34724,MSR1218,20.21,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

86	11.713	1658	1662	1663	rBV3	2889	4086	0.38%	0.047%
87	11.789	1672	1675	1677	rVB4	3298	3429	0.32%	0.039%
88	11.830	1678	1682	1683	rVB4	2010	1905	0.18%	0.022%
89	11.848	1683	1685	1688	rBV4	2932	3789	0.35%	0.043%
90	11.924	1692	1698	1699	rBV6	4162	5239	0.48%	0.060%
91	11.972	1705	1706	1710	rBV4	2779	2231	0.21%	0.026%
92	12.019	1710	1714	1717	rBV6	4644	4995	0.46%	0.057%
93	12.107	1722	1729	1732	rBV7	3677	9178	0.85%	0.105%
94	12.136	1732	1734	1738	rBV5	5672	6882	0.64%	0.079%
95	12.207	1745	1746	1751	rBV5	3964	4795	0.44%	0.055%
96	12.366	1771	1773	1775	rBV3	3743	2126	0.20%	0.024%
97	12.471	1785	1791	1798	rBV	1009391	1080601	100.00%	12.377%
98	12.560	1803	1806	1812	rVB8	4684	7158	0.66%	0.082%
99	12.783	1842	1844	1847	rBV4	4656	5283	0.49%	0.061%
100	12.819	1847	1850	1858	rVV9	5741	12300	1.14%	0.141%

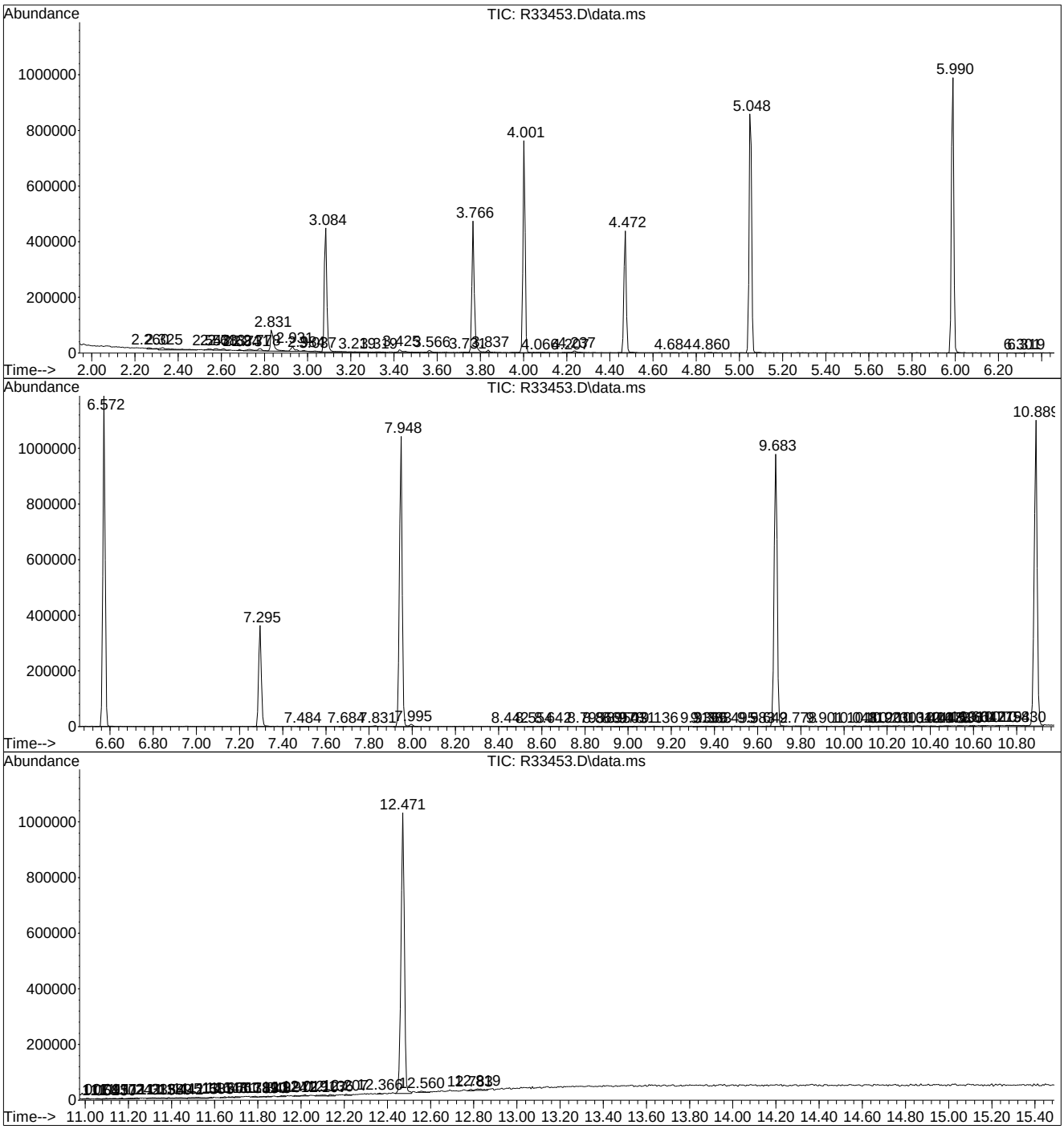
Sum of corrected areas: 8730422

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\R130910\
Data File : R33453.D
Acq On : 10 Sep 2013 8:58 am
Operator : kristinr
Sample : op34724-mb
Misc : OP34724,MSR1218,20.21,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\R130910\
Data File : R33453.D
Acq On : 10 Sep 2013 8:58 am
Operator : kristinr
Sample : op34724-mb
Misc : OP34724,MSR1218,20.21,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\R130910\
Data File : R33453.D
Acq On : 10 Sep 2013 8:58 am
Operator : kristinr
Sample : op34724-mb
Misc : OP34724,MSR1218,20.21,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 09/12/13 10:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33454.D
Acq On : 10 Sep 2013 9:21 am
Operator : kristinr
Sample : op34724-bs
Misc : OP34724,MSR1218,20.66,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 09:23:03 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.001	152	101780	40.00	ppm	-0.10
21) 1,4-Dichlorobenzene-d4A	4.001	152	101780	40.00	PPM	-0.10
23) Naphthalene-d8	5.054	136	374962	40.00	ppm	-0.10
41) Naphthalene-d8a	5.054	136	374962	40.00	ppm	-0.10
43) Acenaphthene-d10	6.572	164	224751	40.00	ppm	-0.11
65) Acenaphthene-d10a	6.572	164	224751	40.00	ppm	-0.11
67) Phenanthrene-d10	7.948	188	378351	40.00	ppm	-0.12
80) Phenanthrene-d10a	7.948	188	378351	40.00	ppm	-0.12
82) Chrysene-d12	10.895	240	390549	40.00	ppm	-0.13
92) Perylene-d12	12.471	264	387358	40.00	ppm	-0.14
100) Naphthalene-d8b	5.054	136	374962	40.00	ug/mL	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	3.084	112	125430	40.65	ppm	-0.13
Spiked Amount 100.000	Range 30 - 130		Recovery = 40.65%			
7) Phenol-d5	3.766	99	158242	40.51	ppm	-0.08
Spiked Amount 100.000	Range 30 - 130		Recovery = 40.51%			
24) Nitrobenzene-d5	4.472	82	126777	35.38	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 70.76%			
48) 2-Fluorobiphenyl	5.990	172	314435	42.06	ppm	-0.11
Spiked Amount 50.000	Range 30 - 130		Recovery = 84.12%			
71) 2,4,6-Tribromophenol	7.301	330	49569	43.72	ppm	-0.12
Spiked Amount 100.000	Range 30 - 130		Recovery = 43.72%			
85) Terphenyl-d14	9.683	244	397719	47.57	ppm	-0.16
Spiked Amount 50.000	Range 30 - 130		Recovery = 95.14%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.154	74	80779	40.37	ug/l	93
3) Pyridine	2.166	79	119042	32.72	ppm	90
4) Aniline	3.778	93	154337	33.29	ppm #	1
6) bis(2-Chloroethyl)ether	3.819	63	100160	45.50	ppm	92
8) Phenol	3.778	94	176541	45.42	ppm	71
9) 2-Chlorophenol	3.872	128	137847	42.08	ppm	98
10) 1,3-Dichlorobenzene	3.978	146	162629	43.90	ppm	97
11) 1,4-Dichlorobenzene	4.019	146	170656	44.28	ppm	98
12) 1,2-Dichlorobenzene	4.166	146	162656	47.12	ppm	99
13) Benzyl alcohol	4.131	108	93073	44.20	ppm	95
14) bis(2-chloroisopropyl)...	4.248	45	203238	54.07	ppm	99
15) o-cresol	4.243	108	127619	45.29	ppm	82
16) Acetophenone	4.343	105	201873	43.40	ppm	99
17) Hexachloroethane	4.413	117	59714	41.54	ppm	82
18) N-Nitroso-di-n-propyla...	4.366	70	95843	43.86	ppm	90
19) m+p-cresols	4.360	108	254886m	82.59	ppm	
20) 4-methylphenol	4.360	108	254921m	82.61	ppm	
22) Benzaldehyde	3.672	77	43589m	17.36	ppm	
25) Nitrobenzene	4.490	77	146972	40.62	ppm	97
26) Isophorone	4.678	82	267903	44.47	ppm	96
27) 2-Nitrophenol	4.754	139	75657	43.90	ppm	90
28) 2,4-Dimethylphenol	4.790	107	125554	39.31	ppm	98
29) bis(2-Chloroethoxy)met...	4.860	93	176668	48.63	ppm	98
30) Benzoic acid	4.895	105	104030	44.08	ppm	94
31) 2,4-Dichlorophenol	4.954	162	125256	44.51	ppm	97
32) 1,2,4-Trichlorobenzene	5.019	180	155302	49.59	ppm	96
33) Naphthalene	5.072	128	614011	62.77	ppm	97
34) 2,6-Dichlorophenol	5.143	162	121737	43.67	ppm	97
35) 4-Chloroaniline	5.137	127	159712	39.33	ppm	100
36) Hexachlorobutadiene	5.219	225	87869	44.98	ppm	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33454.D
Acq On : 10 Sep 2013 9:21 am
Operator : kristinr
Sample : op34724-bs
Misc : OP34724,MSR1218,20.66,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 09:23:03 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

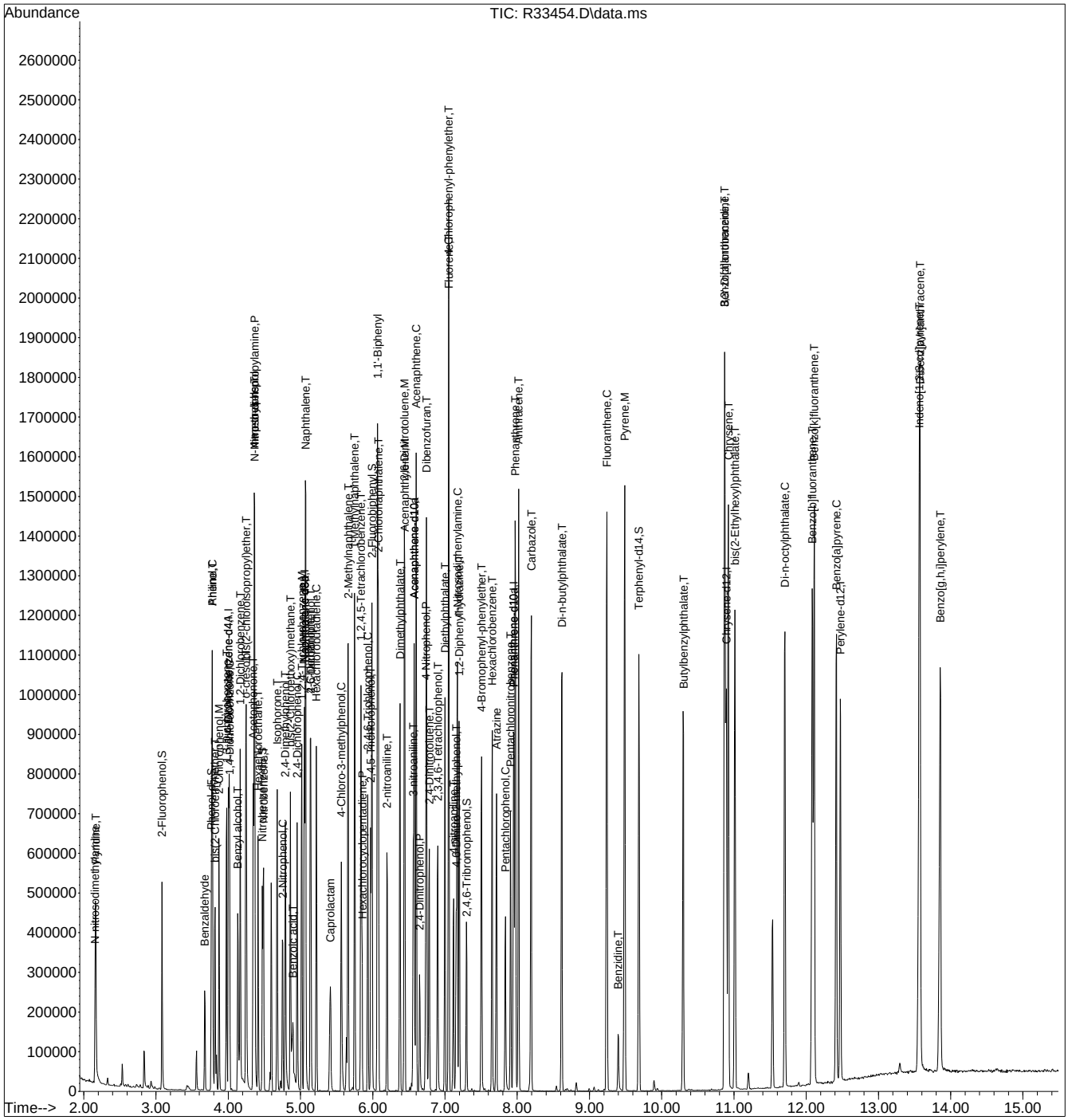
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Chloro-3-methylphenol	5.566	107	112712	41.51	ppm		98
38) 2-Methylnaphthalene	5.660	142	313856	45.73	ppm		96
39) 1-Methylnaphthalene	5.748	142	304894m	45.73	ppm		
40) 1,2,4,5-Tetrachloroben...	5.837	216	166291	45.82	ppm		99
42) Caprolactam	5.413	55	63859m	43.59	ppm		
44) Pentachloronitrobenzene	7.907	237	47359m	49.61	ppm		
45) Hexachlorocyclopentadiene	5.854	237	55004	25.00	ppm		97
46) 2,4,6-Trichlorophenol	5.931	196	97357	46.69	ppm		99
47) 2,4,5-Trichlorophenol	5.972	196	107659	48.99	ppm		95
49) 2-Chloronaphthalene	6.078	162	317985	53.00	ppm		97
50) Acenaphthylene	6.442	152	417769	42.79	ppm		98
51) Dimethylphthalate	6.378	163	376724	54.93	ppm		99
52) 2,4-Dinitrotoluene	6.784	165	118538	57.40	ppm		92
53) Acenaphthene	6.601	153	327174	51.80	ppm		97
54) 2,4-Dinitrophenol	6.648	184	47464	44.26	ppm		97
55) Dibenzofuran	6.742	168	455445	50.92	ppm		92
56) 2,6-Dinitrotoluene	6.437	165	87830	56.16	ppm		93
57) 4-Nitrophenol	6.737	65	48064	35.25	ppm	#	1
58) 2,3,4,6-Tetrachlorophenol	6.901	232	84111	44.78	ppm		97
59) Fluorene	7.054	166	386983	53.80	ppm		98
60) 4-Chlorophenyl-phenyle...	7.048	204	191307	54.48	ppm		99
61) Diethylphthalate	7.001	149	371716	54.42	ppm		98
62) 2-nitroaniline	6.195	138	115018	60.22	ppm		92
63) 3-nitroaniline	6.560	138	82120	48.29	ppm		94
64) 4-nitroaniline	7.119	138	91450	54.31	ppm		89
66) 1,1'-Biphenyl	6.066	154	398637	48.55	ppm	#	100
68) 4,6-Dinitro-2-methylph...	7.154	198	70146	49.65	ppm		100
69) n-Nitrosodiphenylamine	7.172	169	263846	53.49	ppm		99
70) 1,2-Diphenylhydrazine	7.195	77	312429	48.71	ppm		99
72) 4-Bromophenyl-phenylether	7.507	248	117449	57.52	ppm		90
73) Hexachlorobenzene	7.654	284	123607	53.51	ppm		94
74) Pentachlorophenol	7.836	266	60076	40.10	ppm		97
75) Phenanthrene	7.972	178	580695	56.81	ppm		99
76) Anthracene	8.019	178	577849	55.10	ppm		100
77) Carbazole	8.195	167	540249	57.81	ppm		98
78) Di-n-butylphthalate	8.619	149	641419	56.70	ppm		98
79) Fluoranthene	9.242	202	657812	60.99	ppm		96
81) Atrazine	7.713	200	92186m	49.81	ppm		
83) Benzidine	9.395	184	65762	18.39	ppm		99
84) Pyrene	9.489	202	657317m	58.89	ppm		
87) Butylbenzylphthalate	10.301	149	278695	60.36	ppm		93
88) 3,3'-Dichlorobenzidine	10.872	252	139760	34.57	ppm		96
89) Benzo[a]anthracene	10.872	228	629800	62.38	ppm		100
90) Chrysene	10.924	228	590282	58.79	ppm		99
91) bis(2-Ethylhexyl)phtha...	11.013	149	405576	58.41	ppm		99
93) Di-n-octylphthalate	11.707	149	705570	60.26	ppm		99
94) Benzo[b]fluoranthene	12.083	252	722376	65.07	ppm		98
95) Benzo[k]fluoranthene	12.113	252	529867	48.98	ppm		99
96) Benzo[a]pyrene	12.419	252	519392	53.09	ppm		99
97) Indeno[1,2,3-cd]pyrene	13.565	276	701998	57.48	ppm		100
98) Dibenz[a,h]anthracene	13.577	278	576842m	58.49	ppm		
99) Benzo[g,h,i]perylene	13.854	276	587993	57.98	ppm		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33454.D
Acq On : 10 Sep 2013 9:21 am
Operator : kristinr
Sample : op34724-bs
Misc : OP34724,MSR1218,20.66,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 09:23:03 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24064

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 09/12/13 10:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33455.D
Acq On : 10 Sep 2013 9:43 am
Operator : kristinr
Sample : op34724-ms
Misc : OP34724,MSR1218,20.45,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 09:31:42 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.001	152	104272	40.00	ppm	-0.10
21) 1,4-Dichlorobenzene-d4A	4.001	152	104272	40.00	PPM	-0.10
23) Naphthalene-d8	5.054	136	382497	40.00	ppm	-0.10
41) Naphthalene-d8a	5.054	136	382497	40.00	ppm	-0.10
43) Acenaphthene-d10	6.572	164	233844	40.00	ppm	-0.11
65) Acenaphthene-d10a	6.572	164	233844	40.00	ppm	-0.11
67) Phenanthrene-d10	7.948	188	389667	40.00	ppm	-0.12
80) Phenanthrene-d10a	7.948	188	389667	40.00	ppm	-0.12
82) Chrysene-d12	10.895	240	405013	40.00	ppm	-0.13
92) Perylene-d12	12.471	264	385697	40.00	ppm	-0.14
100) Naphthalene-d8b	5.054	136	382497	40.00	ug/mL	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	3.084	112	115509	36.54	ppm	-0.13
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.54%			
7) Phenol-d5	3.766	99	145819	36.43	ppm	-0.08
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.43%			
24) Nitrobenzene-d5	4.472	82	118102	32.31	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 64.62%			
48) 2-Fluorobiphenyl	5.989	172	295325	37.96	ppm	-0.11
Spiked Amount 50.000	Range 30 - 130		Recovery = 75.92%			
71) 2,4,6-Tribromophenol	7.301	330	47715	40.87	ppm	-0.12
Spiked Amount 100.000	Range 30 - 130		Recovery = 40.87%			
85) Terphenyl-d14	9.683	244	409531	47.24	ppm	-0.16
Spiked Amount 50.000	Range 30 - 130		Recovery = 94.48%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.154	74	74328	36.26	ug/l	94
3) Pyridine	2.160	79	104784	28.11	ppm	83
4) Aniline	3.778	93	120243	25.32	ppm #	1
6) bis(2-Chloroethyl)ether	3.819	63	93090	41.28	ppm	91
8) Phenol	3.778	94	163927	41.17	ppm	76
9) 2-Chlorophenol	3.872	128	126225	37.61	ppm	98
10) 1,3-Dichlorobenzene	3.978	146	149212	39.31	ppm	100
11) 1,4-Dichlorobenzene	4.013	146	159446	40.39	ppm	96
12) 1,2-Dichlorobenzene	4.166	146	149317	42.23	ppm	99
13) Benzyl alcohol	4.131	108	89313	41.40	ppm	93
14) bis(2-chloroisopropyl)...	4.248	45	187550	48.71	ppm	98
15) o-cresol	4.242	108	115807	40.12	ppm	77
16) Acetophenone	4.342	105	188682	39.60	ppm	99
17) Hexachloroethane	4.413	117	54642	37.10	ppm	83
18) N-Nitroso-di-n-propyla...	4.366	70	90283	40.33	ppm	92
19) m+p-cresols	4.360	108	238535m	75.44	ppm	
20) 4-methylphenol	4.360	108	238804m	75.54	ppm	
22) Benzaldehyde	3.672	77	41168m	16.00	ppm	
25) Nitrobenzene	4.490	77	136020	36.86	ppm	90
26) Isophorone	4.678	82	250488	40.76	ppm	95
27) 2-Nitrophenol	4.748	139	70800	40.28	ppm	96
28) 2,4-Dimethylphenol	4.790	107	105171	32.28	ppm	97
29) bis(2-Chloroethoxy)met...	4.860	93	160505	43.31	ppm	99
30) Benzoic acid	4.872	105	25398	14.21	ppm	91
31) 2,4-Dichlorophenol	4.954	162	118755	41.37	ppm	97
32) 1,2,4-Trichlorobenzene	5.019	180	142513	44.61	ppm	98
33) Naphthalene	5.072	128	571961	57.32	ppm	97
34) 2,6-Dichlorophenol	5.142	162	112567	39.58	ppm	96
35) 4-Chloroaniline	5.137	127	146696	35.41	ppm	100
36) Hexachlorobutadiene	5.219	225	82779	41.54	ppm	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33455.D
Acq On : 10 Sep 2013 9:43 am
Operator : kristinr
Sample : op34724-ms
Misc : OP34724,MSR1218,20.45,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 09:31:42 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

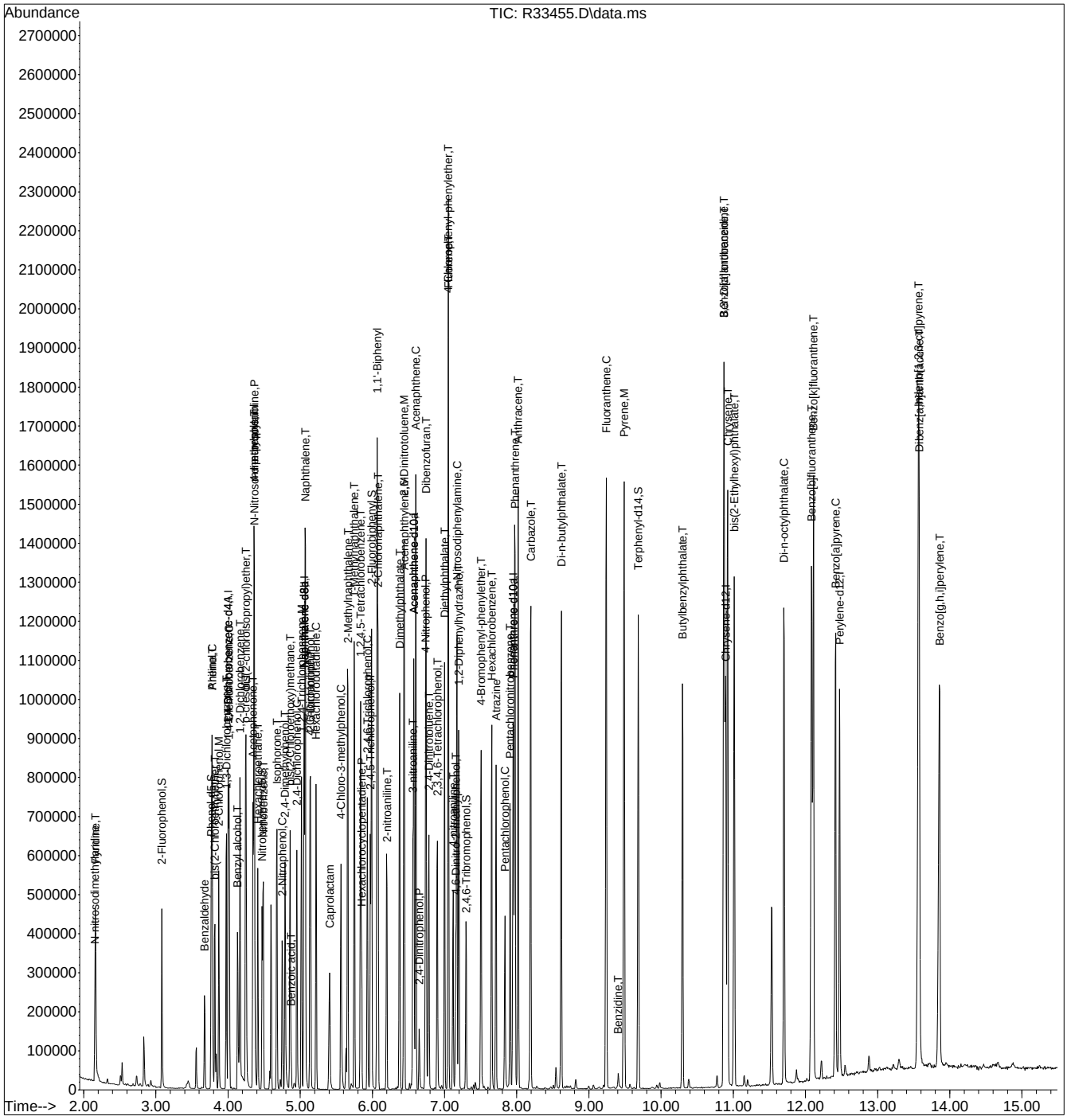
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Chloro-3-methylphenol	5.566	107	111466	40.24	ppm		97
38) 2-Methylnaphthalene	5.660	142	293270	41.89	ppm		95
39) 1-Methylnaphthalene	5.748	142	287050m	42.21	ppm		
40) 1,2,4,5-Tetrachloroben...	5.837	216	154930	41.85	ppm		98
42) Caprolactam	5.407	55	58051m	39.04	ppm		
44) Pentachloronitrobenzene	7.907	237	47496	47.82	ppm		96
45) Hexachlorocyclopentadiene	5.848	237	49115	21.45	ppm		94
46) 2,4,6-Trichlorophenol	5.931	196	93854	43.26	ppm		99
47) 2,4,5-Trichlorophenol	5.972	196	108100	47.28	ppm		97
49) 2-Chloronaphthalene	6.078	162	304509	48.78	ppm		97
50) Acenaphthylene	6.442	152	394713	38.86	ppm		98
51) Dimethylphthalate	6.378	163	373352	52.32	ppm		99
52) 2,4-Dinitrotoluene	6.784	165	124946	58.15	ppm		89
53) Acenaphthene	6.601	153	319066	48.55	ppm		97
54) 2,4-Dinitrophenol	6.648	184	23261	20.85	ppm		92
55) Dibenzofuran	6.742	168	444810	47.80	ppm		91
56) 2,6-Dinitrotoluene	6.436	165	87874	54.00	ppm		92
57) 4-Nitrophenol	6.736	65	53681	37.84	ppm	#	1
58) 2,3,4,6-Tetrachlorophenol	6.901	232	87518	44.78	ppm		97
59) Fluorene	7.054	166	389928	52.10	ppm		97
60) 4-Chlorophenyl-phenyle...	7.048	204	186954	51.17	ppm		98
61) Diethylphthalate	7.001	149	384377	54.08	ppm		98
62) 2-nitroaniline	6.201	138	111063	55.89	ppm		95
63) 3-nitroaniline	6.560	138	86096	48.66	ppm		90
64) 4-nitroaniline	7.119	138	92408	52.75	ppm		92
66) 1,1'-Biphenyl	6.066	154	376352	44.05	ppm	#	100
68) 4,6-Dinitro-2-methylph...	7.154	198	59881	41.78	ppm		100
69) n-Nitrosodiphenylamine	7.172	169	271504	53.44	ppm		99
70) 1,2-Diphenylhydrazine	7.195	77	317227	48.02	ppm		100
72) 4-Bromophenyl-phenylether	7.507	248	115225	54.79	ppm		92
73) Hexachlorobenzene	7.654	284	127523	53.60	ppm		93
74) Pentachlorophenol	7.836	266	57729	37.42	ppm		99
75) Phenanthrene	7.978	178	618070	58.71	ppm		99
76) Anthracene	8.019	178	600462	55.59	ppm		99
77) Carbazole	8.195	167	566789	58.89	ppm		98
78) Di-n-butylphthalate	8.619	149	672170	57.69	ppm		99
79) Fluoranthene	9.242	202	682226	61.42	ppm		97
81) Atrazine	7.713	200	97790m	51.31	ppm		
83) Benzidine	9.401	184	5818m	1.57	ppm		
84) Pyrene	9.489	202	689747	59.59	ppm		98
87) Butylbenzylphthalate	10.295	149	289735	60.51	ppm		98
88) 3,3'-Dichlorobenzidine	10.871	252	132071	31.68	ppm		99
89) Benzo[a]anthracene	10.871	228	645693	61.67	ppm		99
90) Chrysene	10.924	228	606281	58.23	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.013	149	421109	58.48	ppm		99
93) Di-n-octylphthalate	11.701	149	727413	62.22	ppm		100
94) Benzo[b]fluoranthene	12.083	252	746205	67.50	ppm		99
95) Benzo[k]fluoranthene	12.113	252	544940	50.59	ppm		99
96) Benzo[a]pyrene	12.418	252	534617	54.88	ppm		99
97) Indeno[1,2,3-cd]pyrene	13.565	276	715261	58.82	ppm		99
98) Dibenz[a,h]anthracene	13.577	278	587595m	59.84	ppm		
99) Benzo[g,h,i]perylene	13.860	276	602113	59.62	ppm		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33455.D
Acq On : 10 Sep 2013 9:43 am
Operator : kristinr
Sample : op34724-ms
Misc : OP34724,MSR1218,20.45,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 09:31:42 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24064

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 09/12/13 10:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33456.D
Acq On : 10 Sep 2013 10:06 am
Operator : kristinr
Sample : op34724-msd
Misc : OP34724,MSR1218,20.19,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 09:31:28 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.001	152	108041	40.00	ppm	-0.10
21) 1,4-Dichlorobenzene-d4A	4.001	152	108041	40.00	PPM	-0.10
23) Naphthalene-d8	5.054	136	391413	40.00	ppm	-0.10
41) Naphthalene-d8a	5.054	136	391413	40.00	ppm	-0.10
43) Acenaphthene-d10	6.572	164	237496	40.00	ppm	-0.11
65) Acenaphthene-d10a	6.572	164	237496	40.00	ppm	-0.11
67) Phenanthrene-d10	7.948	188	393710	40.00	ppm	-0.12
80) Phenanthrene-d10a	7.948	188	393710	40.00	ppm	-0.12
82) Chrysene-d12	10.895	240	417916	40.00	ppm	-0.13
92) Perylene-d12	12.471	264	399640	40.00	ppm	-0.14
100) Naphthalene-d8b	5.054	136	391413	40.00	ug/mL	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	3.084	112	120163	36.69	ppm	-0.13
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.69%			
7) Phenol-d5	3.766	99	153176	36.94	ppm	-0.08
Spiked Amount 100.000	Range 30 - 130		Recovery = 36.94%			
24) Nitrobenzene-d5	4.472	82	121972	32.61	ppm	-0.12
Spiked Amount 50.000	Range 30 - 130		Recovery = 65.22%			
48) 2-Fluorobiphenyl	5.989	172	304422	38.53	ppm	-0.11
Spiked Amount 50.000	Range 30 - 130		Recovery = 77.06%			
71) 2,4,6-Tribromophenol	7.295	330	47809	40.53	ppm	-0.12
Spiked Amount 100.000	Range 30 - 130		Recovery = 40.53%			
85) Terphenyl-d14	9.683	244	393146	43.95	ppm	-0.16
Spiked Amount 50.000	Range 30 - 130		Recovery = 87.90%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.154	74	79070	37.23	ug/l	99
3) Pyridine	2.160	79	109162	28.26	ppm	87
4) Aniline	3.778	93	130069	26.43	ppm #	1
6) bis(2-Chloroethyl)ether	3.813	63	99971	42.78	ppm	83
8) Phenol	3.778	94	167944	40.70	ppm	77
9) 2-Chlorophenol	3.872	128	132805	38.19	ppm	99
10) 1,3-Dichlorobenzene	3.978	146	163090	41.47	ppm	98
11) 1,4-Dichlorobenzene	4.013	146	166887	40.80	ppm	100
12) 1,2-Dichlorobenzene	4.166	146	161202	44.00	ppm	98
13) Benzyl alcohol	4.131	108	89799	40.17	ppm	89
14) bis(2-chloroisopropyl)...	4.248	45	199378	49.97	ppm	99
15) o-cresol	4.242	108	118848	39.74	ppm	81
16) Acetophenone	4.342	105	197004	39.90	ppm	99
17) Hexachloroethane	4.413	117	58008	38.01	ppm	83
18) N-Nitroso-di-n-propyla...	4.366	70	97002	41.82	ppm	93
19) m+p-cresols	4.360	108	240147m	73.30	ppm	
20) 4-methylphenol	4.360	108	240662m	73.47	ppm	
22) Benzaldehyde	3.672	77	44126m	16.55	ppm	
25) Nitrobenzene	4.490	77	142109	37.63	ppm	98
26) Isophorone	4.678	82	257834	41.00	ppm	95
27) 2-Nitrophenol	4.754	139	72310	40.20	ppm	89
28) 2,4-Dimethylphenol	4.790	107	108011	32.40	ppm	96
29) bis(2-Chloroethoxy)met...	4.860	93	171588	45.24	ppm	98
30) Benzoic acid	4.872	105	22625	12.99	ppm	94
31) 2,4-Dichlorophenol	4.954	162	118227	40.25	ppm	97
32) 1,2,4-Trichlorobenzene	5.019	180	153885	47.07	ppm	98
33) Naphthalene	5.072	128	600713	58.83	ppm	98
34) 2,6-Dichlorophenol	5.142	162	116147	39.91	ppm	98
35) 4-Chloroaniline	5.137	127	155596	36.71	ppm	100
36) Hexachlorobutadiene	5.219	225	88731	43.51	ppm	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33456.D
Acq On : 10 Sep 2013 10:06 am
Operator : kristinr
Sample : op34724-msd
Misc : OP34724,MSR1218,20.19,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 09:31:28 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

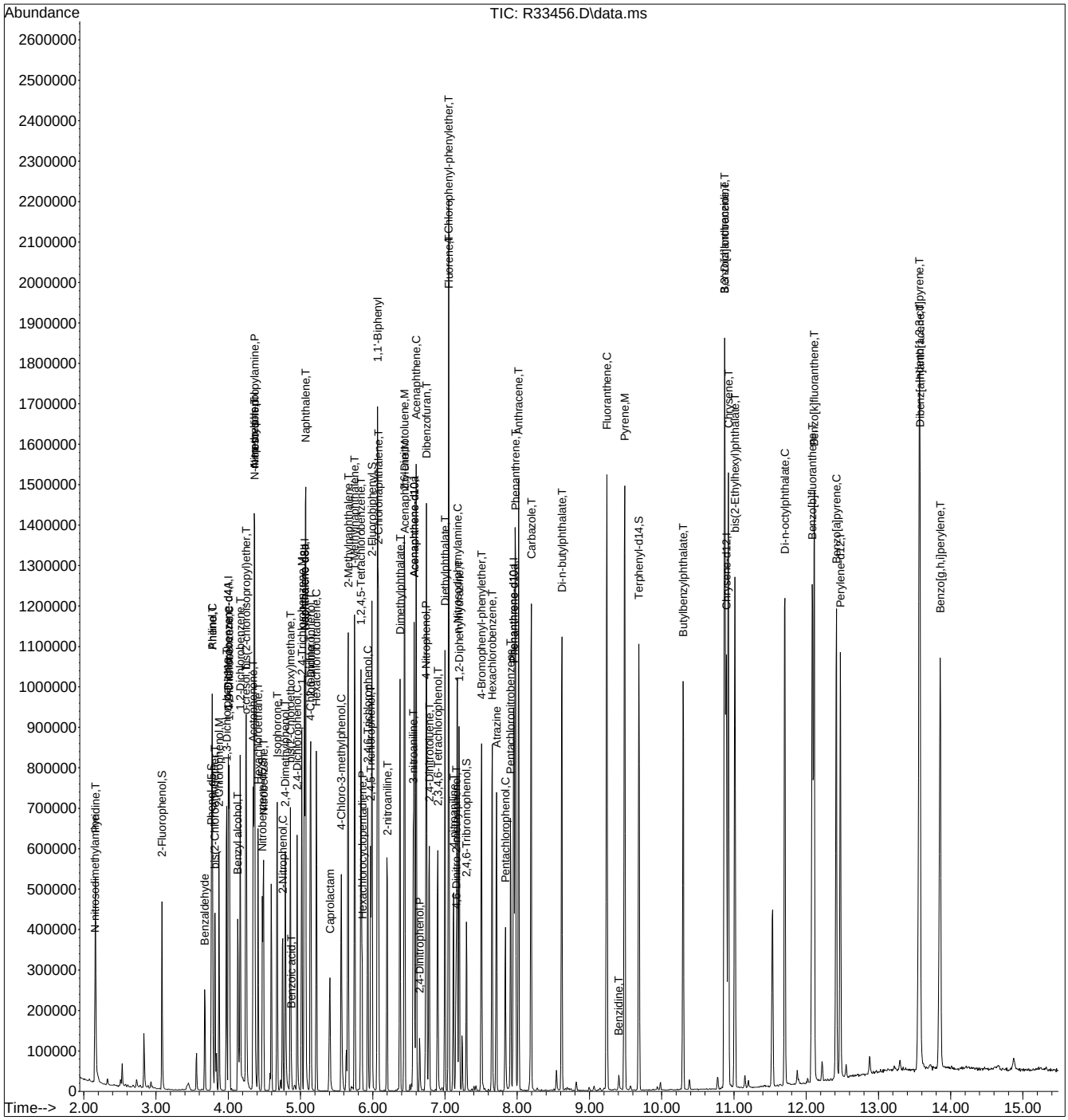
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Chloro-3-methylphenol	5.566	107	109402	38.60	ppm		95
38) 2-Methylnaphthalene	5.660	142	306071	42.72	ppm		98
39) 1-Methylnaphthalene	5.748	142	301616m	43.34	ppm		
40) 1,2,4,5-Tetrachloroben...	5.837	216	165112	43.58	ppm		99
42) Caprolactam	5.407	55	54657m	36.06	ppm		
44) Pentachloronitrobenzene	7.907	237	45899	45.50	ppm		97
45) Hexachlorocyclopentadiene	5.854	237	54450	23.42	ppm		96
46) 2,4,6-Trichlorophenol	5.931	196	91648	41.59	ppm		99
47) 2,4,5-Trichlorophenol	5.972	196	99652	42.91	ppm		99
49) 2-Chloronaphthalene	6.078	162	315208	49.72	ppm		97
50) Acenaphthylene	6.442	152	406433	39.40	ppm		100
51) Dimethylphthalate	6.378	163	371068	51.20	ppm		99
52) 2,4-Dinitrotoluene	6.784	165	119251	54.64	ppm		91
53) Acenaphthene	6.601	153	318167	47.67	ppm		96
54) 2,4-Dinitrophenol	6.648	184	21096	18.62	ppm		95
55) Dibenzofuran	6.742	168	450275	47.65	ppm		93
56) 2,6-Dinitrotoluene	6.436	165	82215	49.75	ppm		91
57) 4-Nitrophenol	6.736	65	47036	32.65	ppm	#	1
58) 2,3,4,6-Tetrachlorophenol	6.901	232	79369	39.99	ppm		99
59) Fluorene	7.054	166	377760	49.70	ppm		99
60) 4-Chlorophenyl-phenyle...	7.048	204	183978	49.58	ppm		96
61) Diethylphthalate	7.001	149	374157	51.83	ppm		98
62) 2-nitroaniline	6.201	138	112143	55.57	ppm		94
63) 3-nitroaniline	6.560	138	83888	46.68	ppm		94
64) 4-nitroaniline	7.119	138	90305	50.76	ppm		90
66) 1,1'-Biphenyl	6.066	154	391254	45.09	ppm	#	100
68) 4,6-Dinitro-2-methylph...	7.154	198	52425	36.69	ppm		100
69) n-Nitrosodiphenylamine	7.172	169	260953	50.84	ppm		99
70) 1,2-Diphenylhydrazine	7.195	77	305728	45.80	ppm		98
72) 4-Bromophenyl-phenylether	7.507	248	115091	54.17	ppm		90
73) Hexachlorobenzene	7.654	284	120614	50.18	ppm		94
74) Pentachlorophenol	7.836	266	52453	33.65	ppm		98
75) Phenanthrene	7.978	178	580037	54.54	ppm		100
76) Anthracene	8.019	178	576969	52.87	ppm		99
77) Carbazole	8.195	167	540181	55.55	ppm		99
78) Di-n-butylphthalate	8.619	149	643775	54.69	ppm		99
79) Fluoranthene	9.242	202	650843	57.99	ppm		97
81) Atrazine	7.713	200	91311m	47.42	ppm		
83) Benzidine	9.401	184	5196m	1.36	ppm		
84) Pyrene	9.489	202	666691	55.82	ppm		96
87) Butylbenzylphthalate	10.295	149	278965	56.46	ppm		99
88) 3,3'-Dichlorobenzidine	10.871	252	134414	31.27	ppm		98
89) Benzo[a]anthracene	10.871	228	634701	58.75	ppm		100
90) Chrysene	10.924	228	590750	54.98	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.013	149	411131	55.43	ppm		100
93) Di-n-octylphthalate	11.707	149	709019	58.82	ppm		100
94) Benzo[b]fluoranthene	12.083	252	724351	63.24	ppm		99
95) Benzo[k]fluoranthene	12.113	252	531361	47.61	ppm		98
96) Benzo[a]pyrene	12.418	252	519174	51.44	ppm		99
97) Indeno[1,2,3-cd]pyrene	13.565	276	702236	55.73	ppm		97
98) Dibenz[a,h]anthracene	13.577	278	577150m	56.73	ppm		
99) Benzo[g,h,i]perylene	13.854	276	590717	56.45	ppm		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33456.D
Acq On : 10 Sep 2013 10:06 am
Operator : kristinr
Sample : op34724-msd
Misc : OP34724,MSR1218,20.19,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 09:31:28 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

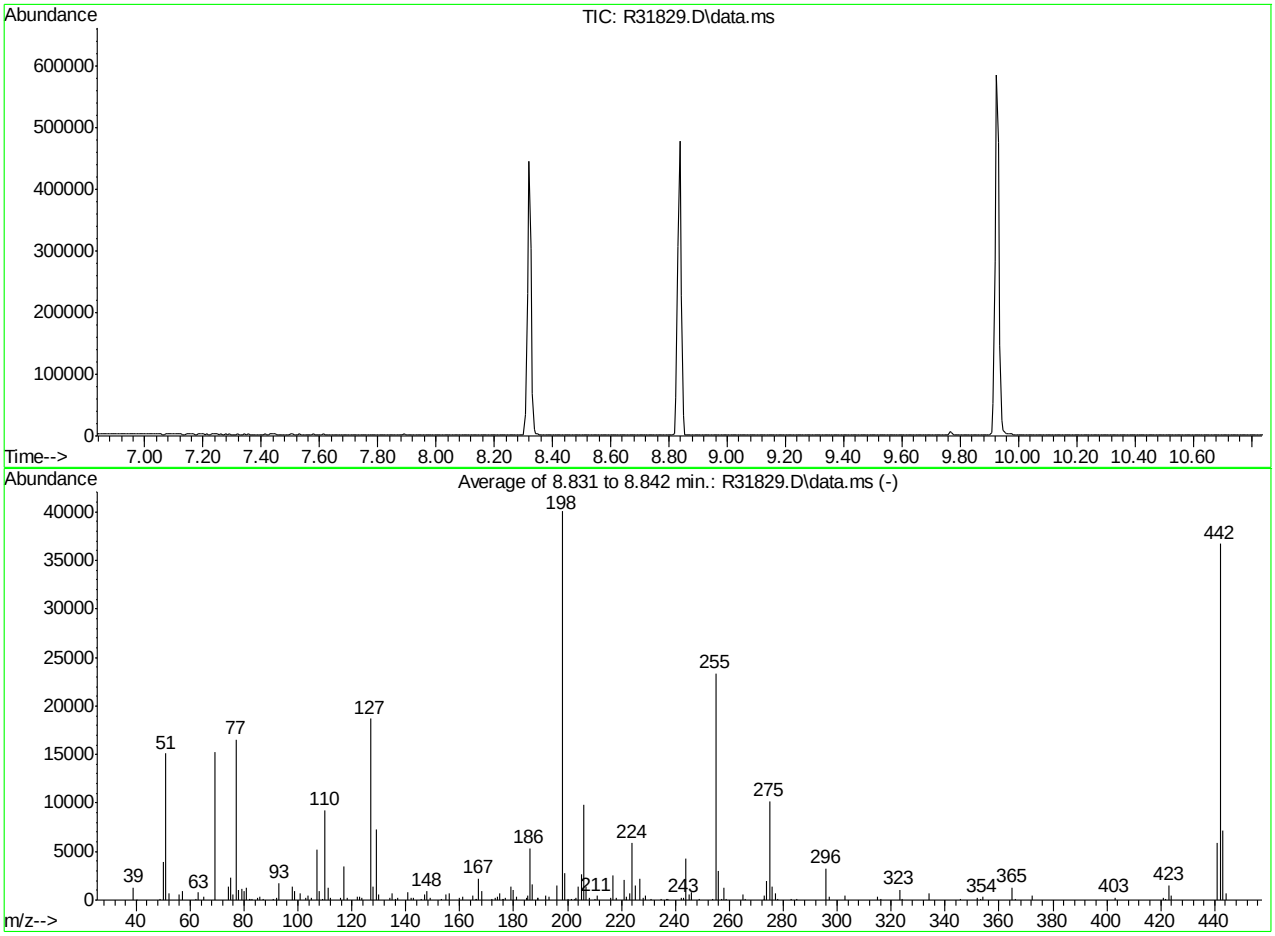


ACCUTEST LABORATORIES MC24064

DFTPP

Data File : C:\msdchem\1\data\R130628\R31829.D Vial: 99
Acq On : 28 Jun 2013 7:25 pm Operator: kristinr
Sample : DFTPP Inst : MSR
Misc : op33699,msr1159,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\2\METHODS\DFTPP.m (RTE Integrator)
Title : DFTPP and Tune Evaluation



Spectrum Information: Average of 8.831 to 8.842 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.7	15081	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	38.1	15275	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	46.7	18690	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	40043	PASS
199	198	5	9	6.8	2731	PASS
275	198	10	30	25.4	10188	PASS
365	198	1	100	3.2	1276	PASS
441	443	0.01	100	81.2	5840	PASS
442	198	40	100	91.6	36685	PASS
443	442	17	23	19.6	7191	PASS

R31829.D DFTPP.m Mon Jul 08 17:11:43 2013

Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
39.05	1310	69.00	15275	83.00	125	103.90	469
39.90	15	74.05	1364	84.85	232	104.95	253
48.90	101	75.05	2357	85.95	324	107.00	5237
50.00	3927	76.00	571	87.00	105	107.95	955
51.05	15081	77.10	16543	90.90	154	109.20	107
52.00	693	78.05	1013	92.05	225	110.00	9249
55.95	591	79.00	1106	92.95	1738	111.00	1323
56.95	934	80.00	876	97.95	1365	112.05	277
62.00	99	80.95	1229	98.90	926	115.95	235
63.00	765	81.90	169	101.00	672	117.00	3481
64.90	319	82.10	85	102.85	208	118.05	267

Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
122.00	382	140.90	858	161.00	320	176.10	124
122.95	355	141.95	229	165.00	454	176.95	278
123.85	237	142.95	238	166.00	107	179.00	1443
127.00	18690	145.90	92	166.20	129	179.95	1037
128.00	1429	146.90	558	167.00	2217	180.95	323
129.00	7300	147.95	942	168.00	972	184.80	190
130.00	541	148.95	231	171.90	85	185.05	515
134.00	227	153.00	110	173.00	208	186.00	5361
135.00	655	155.05	576	173.85	342	187.05	1660
136.10	120	156.05	672	175.00	683	188.90	210
136.95	198	159.95	253	175.90	85	189.10	186

Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
192.00	455	206.10	9769	222.95	673	243.05	259
193.00	375	207.00	1406	224.00	5859	244.00	4258
196.00	1497	208.00	232	225.05	1455	245.00	623
198.00	40043	210.00	130	226.95	2227	245.95	851
198.90	2731	210.95	422	228.05	270	249.00	161
200.00	152	216.05	231	228.95	492	253.80	95
201.30	121	217.00	2552	231.00	91	255.00	23355
202.70	91	218.00	274	234.80	116	256.00	3050
203.00	286	221.00	2085	236.80	114	257.00	142
204.00	1371	221.70	350	237.00	86	257.95	1267
205.00	2672	221.90	95	242.05	234	258.90	88

Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

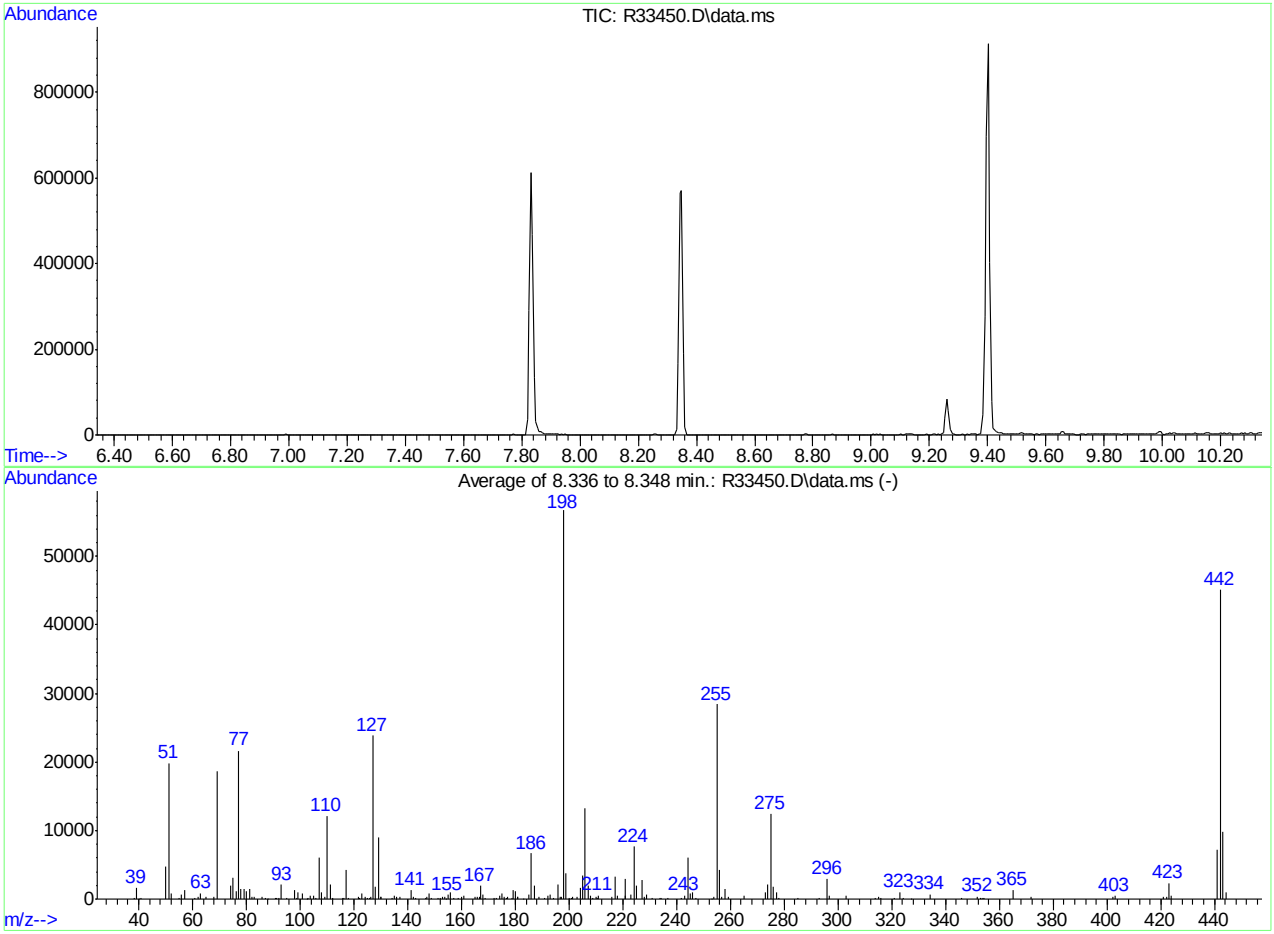
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
264.95	560	296.00	3253	353.95	300	443.00	7191
266.00	87	297.00	359	364.95	1276	444.05	691
272.90	164	303.00	453	366.00	95		
273.05	518	315.00	388	372.10	514		
273.95	1963	316.00	100	403.05	273		
275.00	10188	323.05	1098	421.00	236		
276.00	1401	324.00	106	421.80	108		
276.95	753	334.00	649	423.05	1554		
277.90	108	345.80	123	423.95	442		
282.90	92	351.95	256	441.00	5840		
285.00	87	353.10	128	442.10	36685		

DFTPP

Data File : W:\1\data\R130910\R33450.D
Acq On : 10 Sep 2013 7:50 am
Sample : DFTPP
Misc : OP34233,MSR1218,,,,1,1
MS Integration Params: rteint.p

Vial: 99
Operator: kristinr
Inst : MSR
Multiplr: 1.00

Method : W:\2\METHODS\DFTPP.m (RTE Integrator)
Title : DFTPP and Tune Evaluation



Spectrum Information: Average of 8.336 to 8.348 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.9	19794	PASS
68	69	0.00	2	1.4	256	PASS
69	198	0.00	100	33.0	18724	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.0	23816	PASS
197	198	0.00	1	0.6	351	PASS
198	198	100	100	100.0	56696	PASS
199	198	5	9	6.7	3813	PASS
275	198	10	30	21.9	12414	PASS
365	198	1	100	2.4	1369	PASS
441	443	0.01	100	72.6	7142	PASS
442	198	40	100	79.6	45116	PASS
443	442	17	23	21.8	9835	PASS

R33450.D DFTPP.m Wed Sep 11 11:17:47 2013

Average of 8.336 to 8.348 min.: R33450.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	223	62.05	300	79.95	1070	94.90	131
39.10	1574	63.00	849	81.05	1469	97.90	1389
39.95	25	64.95	371	82.05	377	98.90	197
41.00	193	68.00	256	82.90	373	99.05	913
50.10	4758	69.00	18724	85.95	364	101.00	773
51.10	19794	74.05	1953	87.00	94	102.60	83
52.05	851	75.00	3036	87.80	85	103.00	197
55.00	90	76.05	1138	90.90	199	103.85	424
56.00	687	77.10	21629	91.10	205	104.95	458
57.00	1320	78.10	1477	92.00	155	105.90	95
61.00	191	79.05	1421	93.00	2114	107.00	5991

Average of 8.336 to 8.348 min.: R33450.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
108.05	1028	122.95	746	135.00	572	151.90	96
109.10	259	124.00	321	135.95	305	152.95	286
110.00	12112	125.00	249	136.90	412	153.85	285
111.05	2059	125.80	119	141.05	1351	154.10	85
111.90	250	126.10	269	141.95	271	154.95	588
115.90	152	127.00	23816	142.95	215	156.00	929
116.10	123	128.00	1879	146.80	198	157.10	132
117.00	4256	129.00	8942	147.10	313	158.70	100
117.85	222	129.90	386	147.95	788	160.00	286
121.85	278	130.10	343	148.90	140	161.00	512
122.10	120	134.10	181	151.20	117	165.00	327

Average of 8.336 to 8.348 min.: R33450.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
166.00	369	177.00	388	191.00	158	201.45	345
166.80	271	178.80	222	191.90	435	203.05	377
167.00	1937	179.00	1300	193.00	644	204.00	1706
168.00	675	179.95	1148	194.00	98	205.00	3459
168.80	129	180.80	393	195.95	2087	206.00	13253
171.95	199	181.00	258	196.90	258	207.00	1943
172.90	232	182.80	84	197.10	351	208.05	484
174.05	421	184.90	682	197.95	56696	208.90	104
175.00	852	186.00	6663	198.95	3813	210.10	304
175.90	393	187.00	1939	200.00	214	210.50	166
176.50	116	188.95	261	201.00	119	210.80	552

Average of 8.336 to 8.348 min.: R33450.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
215.95	286	231.00	112	253.90	403	277.05	1015
217.00	3320	233.90	133	255.00	28417	278.10	114
218.00	474	234.20	115	256.00	4229	285.00	98
220.80	438	236.90	166	256.90	270	292.95	211
221.05	2872	241.90	134	257.95	1450	296.05	2884
223.00	710	242.90	522	259.05	257	296.90	522
224.00	7649	244.05	6126	265.05	508	303.00	545
225.05	2042	245.05	901	272.95	928	314.00	108
226.95	2736	246.00	1039	273.95	2203	314.95	348
227.95	331	247.00	106	275.00	12414	316.00	144
228.90	655	253.10	83	276.00	1730	320.95	212

Average of 8.336 to 8.348 min.: R33450.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
323.00	983	371.95	395				
324.05	189	402.05	379				
327.00	85	403.00	449				
334.05	666	421.05	372				

DFTPP.m Wed Sep 11 11:17:33 2013 Page: 0

346.00	143	422.10	269
351.95	349	423.05	2324
352.90	122	424.05	525
353.10	171	441.05	7142
353.80	178	442.10	45116
354.10	236	443.10	9835
364.95	1369	444.10	955

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	59485m	40.00	ppm	0.55
21) 1,4-Dichlorobenzene-d4A	4.425	152	59492m	40.00	PPM	0.55
23) Naphthalene-d8	5.484	136	221858m	40.00	ppm	0.56
41) Naphthalene-d8a	5.484	136	221870m	40.00	ppm	0.56
43) Acenaphthene-d10	7.025	164	139822m	40.00	ppm	0.58
65) Acenaphthene-d10a	7.025	164	139833m	40.00	ppm	0.58
67) Phenanthrene-d10	8.454	188	240225m	40.00	ppm	0.64
80) Phenanthrene-d10a	8.454	188	240225m	40.00	ppm	0.65
82) Chrysene-d12	11.454	240	267691m	40.00	ppm	0.72
92) Perylene-d12	13.054	264	259313m	40.00	ppm	0.74
100) Naphthalene-d8b	5.484	136	221867m	40.00	ug/mL	0.56
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	91717m	46.49	ppm	0.52
Spiked Amount 100.000	Range 30 - 130		Recovery = 46.49%			
7) Phenol-d5	4.143	99	112760m	41.54	ppm	0.51
Spiked Amount 100.000	Range 30 - 130		Recovery = 41.54%			
24) Nitrobenzene-d5	4.890	82	105028m	43.20	ppm	0.55
Spiked Amount 50.000	Range 30 - 130		Recovery = 86.40%			
48) 2-Fluorobiphenyl	6.419	172	231580m	50.10	ppm	0.55
Spiked Amount 50.000	Range 30 - 130		Recovery = 100.20%			
71) 2,4,6-Tribromophenol	7.772	330	37038m	50.41	ppm	0.61
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.41%			
85) Terphenyl-d14	10.225	244	286560m	49.61	ppm	0.68
Spiked Amount 50.000	Range 30 - 130		Recovery = 99.22%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.560	74	58838m	42.59	ug/l	
3) Pyridine	2.572	79	107712m	42.57	ppm	
4) Aniline	4.190	93	139086m	42.02	ppm	
6) bis(2-Chloroethyl)ether	4.225	63	65072m	43.66	ppm	
8) Phenol	4.154	94	114928m	40.44	ppm	
9) 2-Chlorophenol	4.278	128	98355m	49.37	ppm	
10) 1,3-Dichlorobenzene	4.396	146	108436m	48.13	ppm	
11) 1,4-Dichlorobenzene	4.437	146	114841m	48.74	ppm	
12) 1,2-Dichlorobenzene	4.590	146	104690m	48.73	ppm	
13) Benzyl alcohol	4.537	108	64404m	44.88	ppm	
14) bis(2-chloroisopropyl)...	4.660	45	112465m	53.46	ppm	
15) o-cresol	4.631	108	86947m	20.61	ppm	
16) Acetophenone	4.760	105	140090m	43.37	ppm	
17) Hexachloroethane	4.843	117	42833m	46.47	ppm	
18) N-Nitroso-di-n-propyla...	4.778	70	64035m	41.68	ppm	
19) m+p-cresols	4.748	108	188185m	89.20	ppm	
20) 4-methylphenol	4.748	108	187986m	89.11	ppm	
25) Nitrobenzene	4.907	77	105565m	42.72	ppm	
26) Isophorone	5.096	82	179787m	41.90	ppm	
27) 2-Nitrophenol	5.172	139	52445m	50.82	ppm	
28) 2,4-Dimethylphenol	5.190	107	96931m	43.60	ppm	
29) bis(2-Chloroethoxy)met...	5.272	93	103765m	41.88	ppm	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.260	105	66559m	37.88	ppm	
31) 2,4-Dichlorophenol	5.366	162	86395m	52.33	ppm	
32) 1,2,4-Trichlorobenzene	5.443	180	90548m	52.20	ppm	
33) Naphthalene	5.501	128	289988m	50.63	ppm	
34) 2,6-Dichlorophenol	5.560	162	84039m	51.85	ppm	
35) 4-Chloroaniline	5.554	127	121152m	49.73	ppm	
36) Hexachlorobutadiene	5.648	225	58274m	50.91	ppm	
37) 4-Chloro-3-methylphenol	5.954	107	82037m	42.10	ppm	
38) 2-Methylnaphthalene	6.090	142	206997m	55.16	ppm	
39) 1-Methylnaphthalene	6.184	142	196454m	53.44	ppm	
40) 1,2,4,5-Tetrachloroben...	6.272	216	105598m	53.51	ppm	
44) Pentachloronitrobenzene	8.407	237	30771m	51.08	ppm	
45) Hexachlorocyclopentadiene	6.290	237	70656m	61.24	ppm	
46) 2,4,6-Trichlorophenol	6.354	196	66800m	49.70	ppm	
47) 2,4,5-Trichlorophenol	6.384	196	70396m	48.86	ppm	
49) 2-Chloronaphthalene	6.513	162	184044m	49.24	ppm	
50) Acenaphthylene	6.890	152	306015m	50.70	ppm	
51) Dimethylphthalate	6.801	163	214661m	47.35	ppm	
52) 2,4-Dinitrotoluene	7.225	165	65240m	50.40	ppm	
53) Acenaphthene	7.054	153	197159m	52.66	ppm	
54) 2,4-Dinitrophenol	7.084	184	30595m	43.38	ppm	
55) Dibenzofuran	7.201	168	277334m	51.59	ppm	
56) 2,6-Dinitrotoluene	6.866	165	49768m	51.53	ppm	
57) 4-Nitrophenol	7.125	65	43699m	42.35	ppm	
58) 2,3,4,6-Tetrachlorophenol	7.348	232	60487m	48.86	ppm	
59) Fluorene	7.525	166	224845m	52.78	ppm	
60) 4-Chlorophenyl-phenyle...	7.513	204	108434m	51.20	ppm	
61) Diethylphthalate	7.448	149	214106m	47.40	ppm	
62) 2-nitroaniline	6.625	138	61122m	47.86	ppm	
63) 3-nitroaniline	6.995	138	52284m	47.04	ppm	
64) 4-nitroaniline	7.566	138	51830m	45.76	ppm	
68) 4,6-Dinitro-2-methylph...	7.607	198	44240m	49.91	ppm	
69) n-Nitrosodiphenylamine	7.631	169	158960m	49.39	ppm	
70) 1,2-Diphenylhydrazine	7.666	77	205111m	40.91	ppm	
72) 4-Bromophenyl-phenylether	7.989	248	66649m	49.83	ppm	
73) Hexachlorobenzene	8.148	284	74087m	55.49	ppm	
74) Pentachlorophenol	8.325	266	47627m	52.94	ppm	
75) Phenanthrene	8.484	178	327784m	52.57	ppm	
76) Anthracene	8.525	178	339720m	53.26	ppm	
77) Carbazole	8.695	167	310096m	52.77	ppm	
78) Di-n-butylphthalate	9.119	149	369483m	49.09	ppm	
79) Fluoranthene	9.783	202	352235m	50.45	ppm	
83) Benzidine	9.925	184	129163m	41.62	ppm	
84) Pyrene	10.036	202	389354m	50.87	ppm	
86) 3,3-Dimethylbenzidine	10.789	212	162659m	37.69	ppm	
87) Butylbenzylphthalate	10.830	149	167072m	48.86	ppm	
88) 3,3'-Dichlorobenzidine	11.419	252	137506m	49.93	ppm	
89) Benzo[a]anthracene	11.430	228	354784m	49.39	ppm	
90) Chrysene	11.483	228	342967m	48.98	ppm	
91) bis(2-Ethylhexyl)phtha...	11.542	149	232773m	47.84	ppm	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration

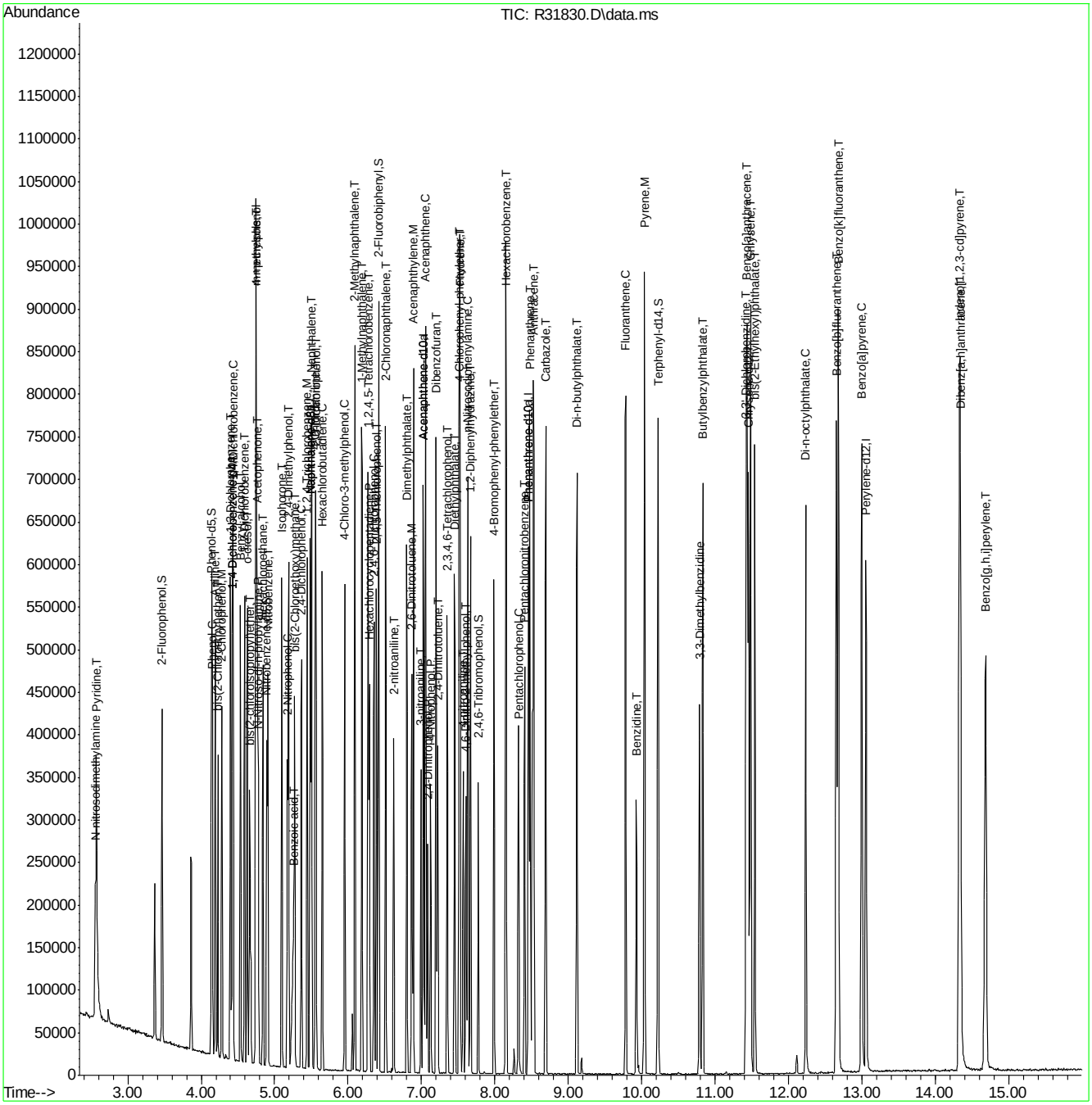
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	365730m	42.88	ppm	
94) Benzo[b]fluoranthene	12.654	252	388574m	48.87	ppm	
95) Benzo[k]fluoranthene	12.677	252	363381m	50.19	ppm	
96) Benzo[a]pyrene	12.995	252	342214m	49.28	ppm	
97) Indeno[1,2,3-cd]pyrene	14.330	276	424772m	52.15	ppm	
98) Dibenz[a,h]anthracene	14.342	278	343005m	51.88	ppm	
99) Benzo[g,h,i]perylene	14.683	276	353384m	52.43	ppm	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24064

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	49138	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	49138	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	181281	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	181281	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	112249	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	112249	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	196732	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	196732	40.00	ppm	0.00
82) Chrysene-d12	11.448	240	209909	40.00	ppm	0.00
92) Perylene-d12	13.054	264	203361	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	181281	40.00	ug/mL	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	2661	1.76	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.76%#			
7) Phenol-d5	4.137	99	3786	2.03	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 2.03%#			
24) Nitrobenzene-d5	4.890	82	3273	1.91	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.82%#			
48) 2-Fluorobiphenyl	6.419	172	7292	1.96	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.92%#			
71) 2,4,6-Tribromophenol	7.772	330	795m	1.31	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.31%#			
85) Terphenyl-d14	10.219	244	8605	1.91	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.82%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.566	74	1962	2.02	ug/l	# 63
3) Pyridine	2.596	79	3640	2.05	ppm	97
4) Aniline	4.190	93	4029	1.75	ppm	# 1
6) bis(2-Chloroethyl)ether	4.225	63	1919	1.79	ppm	89
8) Phenol	4.149	94	3522	1.85	ppm	93
9) 2-Chlorophenol	4.278	128	2915	1.79	ppm	97
10) 1,3-Dichlorobenzene	4.396	146	3393	1.89	ppm	92
11) 1,4-Dichlorobenzene	4.437	146	3732	1.97	ppm	96
12) 1,2-Dichlorobenzene	4.590	146	3150	1.82	ppm	93
13) Benzyl alcohol	4.537	108	1928	1.81	ppm	93
14) bis(2-chloroisopropyl)...	4.660	45	3354	1.81	ppm	92
15) o-cresol	4.625	108	2530	1.76	ppm	81
16) Acetophenone	4.760	105	4176	1.80	ppm	83
17) Hexachloroethane	4.843	117	1347	1.90	ppm	84
18) N-Nitroso-di-n-propyla...	4.772	70	2301	2.17	ppm	91
19) m+p-cresols	4.743	108	5553	3.57	ppm	97
20) 4-methylphenol	4.743	108	5553	3.58	ppm	97
25) Nitrobenzene	4.907	77	3565	2.07	ppm	96
26) Isophorone	5.096	82	5600	1.91	ppm	99
27) 2-Nitrophenol	5.172	139	1694	1.98	ppm	73
28) 2,4-Dimethylphenol	5.184	107	2562	1.62	ppm	81
29) bis(2-Chloroethoxy)met...	5.272	93	3348	1.97	ppm	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) 2,4-Dichlorophenol	5.366	162	2506	1.77	ppm	86
32) 1,2,4-Trichlorobenzene	5.443	180	2944	1.99	ppm	88
33) Naphthalene	5.496	128	9402	1.98	ppm	97
34) 2,6-Dichlorophenol	5.560	162	2616	1.90	ppm	96
35) 4-Chloroaniline	5.554	127	3379	1.71	ppm	100
36) Hexachlorobutadiene	5.648	225	1690	1.77	ppm	92
37) 4-Chloro-3-methylphenol	5.954	107	2184	1.63	ppm	89
38) 2-Methylnaphthalene	6.090	142	6539	1.93	ppm	88
39) 1-Methylnaphthalene	6.184	142	6518	2.03	ppm	89
40) 1,2,4,5-Tetrachloroben...	6.272	216	3697	2.14	ppm	89
45) Hexachlorocyclopentadiene	6.290	237	1707	1.50	ppm	68
46) 2,4,6-Trichlorophenol	6.348	196	1666	1.55	ppm	85
47) 2,4,5-Trichlorophenol	6.384	196	1841	1.63	ppm	84
49) 2-Chloronaphthalene	6.513	162	6168	2.09	ppm	95
50) Acenaphthylene	6.890	152	9322	1.90	ppm	91
51) Dimethylphthalate	6.801	163	6385	1.85	ppm	100
52) 2,4-Dinitrotoluene	7.219	165	1629	1.56	ppm	98
53) Acenaphthene	7.054	153	5886	1.86	ppm	93
54) 2,4-Dinitrophenol	7.078	184	453m	0.92	ppm	
55) Dibenzofuran	7.195	168	8925	2.00	ppm	93
56) 2,6-Dinitrotoluene	6.860	165	1175	1.47	ppm	91
57) 4-Nitrophenol	7.119	65	792m	1.13	ppm	
58) 2,3,4,6-Tetrachlorophenol	7.348	232	1227	1.26	ppm	84
59) Fluorene	7.525	166	6816	1.89	ppm	96
60) 4-Chlorophenyl-phenyle...	7.513	204	3528	2.03	ppm	84
61) Diethylphthalate	7.448	149	6550	1.91	ppm	92
62) 2-nitroaniline	6.619	138	1561	1.59	ppm	84
63) 3-nitroaniline	6.990	138	1374	1.64	ppm	90
64) 4-nitroaniline	7.560	138	967m	1.16	ppm	
69) n-Nitrosodiphenylamine	7.631	169	4831	1.86	ppm	95
70) 1,2-Diphenylhydrazine	7.666	77	6664	1.98	ppm	97
72) 4-Bromophenyl-phenylether	7.990	248	1967	1.80	ppm	84
73) Hexachlorobenzene	8.142	284	2312	1.91	ppm	90
74) Pentachlorophenol	8.319	266	1052	1.35	ppm	82
75) Phenanthrene	8.478	178	10370	1.93	ppm	96
76) Anthracene	8.525	178	9840	1.77	ppm	96
77) Carbazole	8.689	167	8014	1.58	ppm	78
78) Di-n-butylphthalate	9.113	149	9533	1.58	ppm	95
79) Fluoranthene	9.778	202	9933	1.72	ppm	95
83) Benzidine	9.925	184	2615	1.29	ppm	85
84) Pyrene	10.036	202	10951	1.79	ppm	95
86) 3,3-Dimethylbenzidine	10.783	212	2441	0.96	ppm	100
87) Butylbenzylphthalate	10.825	149	3069	1.17	ppm	90
88) 3,3'-Dichlorobenzidine	11.419	252	2425	1.12	ppm	95
89) Benzo[a]anthracene	11.430	228	9635	1.73	ppm	95
90) Chrysene	11.478	228	10214	1.90	ppm	99
91) bis(2-Ethylhexyl)phtha...	11.542	149	4588	1.26	ppm	77
93) Di-n-octylphthalate	12.230	149	5394	0.94	ppm	95
94) Benzo[b]fluoranthene	12.648	252	10441	1.71	ppm	95
95) Benzo[k]fluoranthene	12.672	252	9589	1.68	ppm	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration

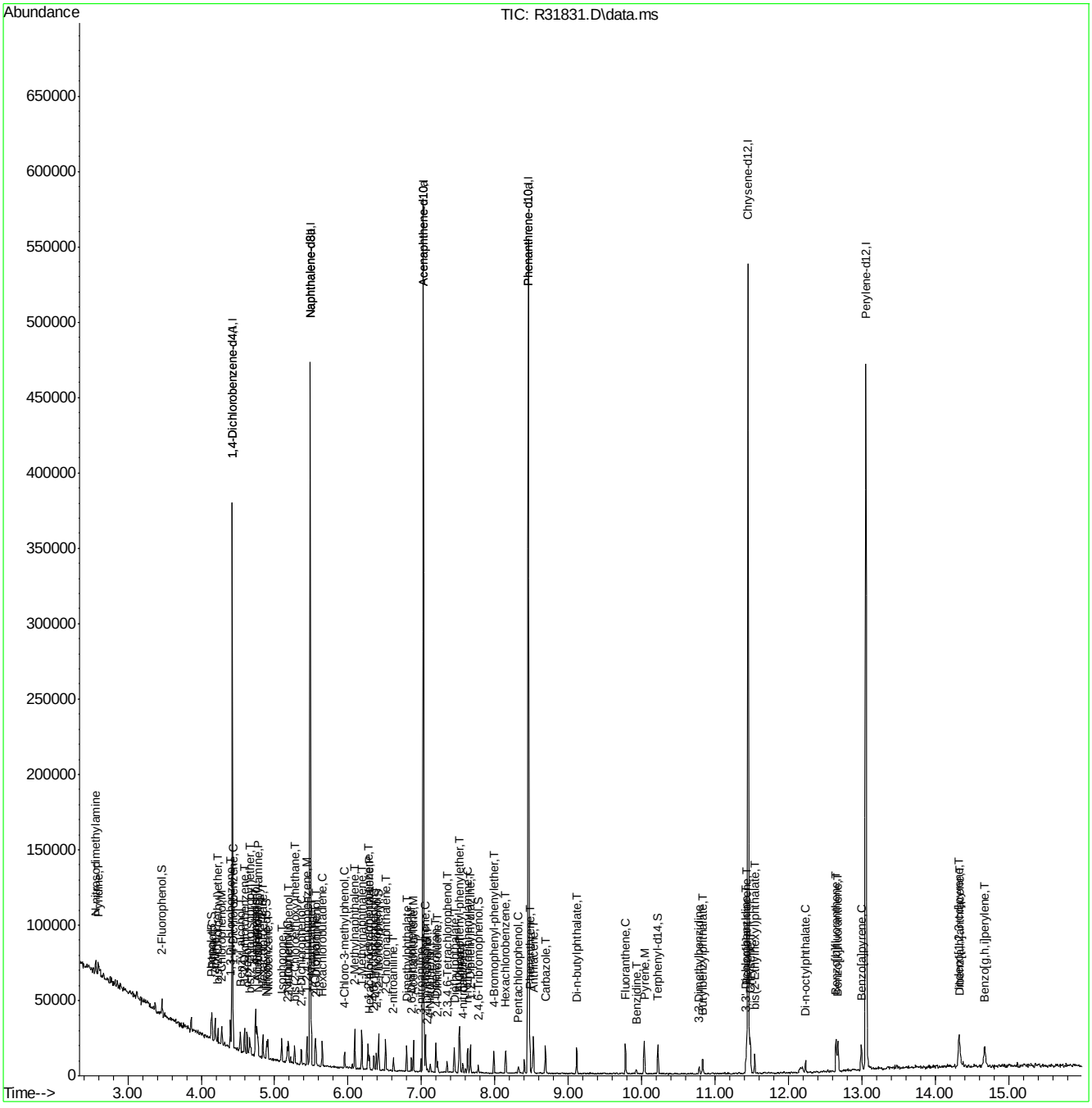
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Benzo[a]pyrene	12.989	252	8160	1.52	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.324	276	10360	1.56	ppm	80
98) Dibenz[a,h]anthracene	14.330	278	8584	1.60	ppm	95
99) Benzo[g,h,i]perylene	14.671	276	9002	1.62	ppm	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	51367	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	51367	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	187437	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	187437	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	119311	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	119311	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	202315	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	202315	40.00	ppm	0.00
82) Chrysene-d12	11.448	240	219013	40.00	ppm	0.00
92) Perylene-d12	13.054	264	214392	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	187437	40.00	ug/mL	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	7952	5.35	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 5.35%#			
7) Phenol-d5	4.137	99	9750	4.97	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 4.97%#			
24) Nitrobenzene-d5	4.890	82	8917	5.14	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 10.28%#			
48) 2-Fluorobiphenyl	6.419	172	19440	4.97	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 9.94%#			
71) 2,4,6-Tribromophenol	7.772	330	2452	3.93	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 3.93%#			
85) Terphenyl-d14	10.219	244	22822	4.97	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 9.94%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.560	74	4558	4.49	ug/l	# 79
3) Pyridine	2.590	79	8812	4.74	ppm	97
4) Aniline	4.190	93	11209	4.97	ppm	# 1
6) bis(2-Chloroethyl)ether	4.225	63	5705	5.36	ppm	78
8) Phenol	4.148	94	9287	4.85	ppm	97
9) 2-Chlorophenol	4.278	128	7555	4.69	ppm	91
10) 1,3-Dichlorobenzene	4.396	146	9269	5.08	ppm	99
11) 1,4-Dichlorobenzene	4.437	146	9242	4.70	ppm	96
12) 1,2-Dichlorobenzene	4.590	146	8197	4.75	ppm	88
13) Benzyl alcohol	4.537	108	4842	4.35	ppm	98
14) bis(2-chloroisopropyl)...	4.660	45	9684	5.24	ppm	81
15) o-cresol	4.625	108	6681	4.73	ppm	85
16) Acetophenone	4.760	105	11659	5.07	ppm	98
17) Hexachloroethane	4.843	117	3547	4.91	ppm	80
18) N-Nitroso-di-n-propyla...	4.772	70	4779m	4.14	ppm	
19) m+p-cresols	4.743	108	14861	9.66	ppm	99
20) 4-methylphenol	4.743	108	14861	9.67	ppm	99
25) Nitrobenzene	4.907	77	9124	5.03	ppm	94
26) Isophorone	5.095	82	14021	4.73	ppm	99
27) 2-Nitrophenol	5.172	139	3900	4.40	ppm	91
28) 2,4-Dimethylphenol	5.184	107	6625	4.04	ppm	98
29) bis(2-Chloroethoxy)met...	5.272	93	8609	4.91	ppm	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.219	105	2500	2.22	ppm		96
31) 2,4-Dichlorophenol	5.360	162	6088	4.17	ppm		95
32) 1,2,4-Trichlorobenzene	5.442	180	7933	5.20	ppm		98
33) Naphthalene	5.501	128	23030	4.72	ppm		96
34) 2,6-Dichlorophenol	5.560	162	6427	4.53	ppm		93
35) 4-Chloroaniline	5.554	127	9409	4.60	ppm		100
36) Hexachlorobutadiene	5.648	225	4470	4.81	ppm		84
37) 4-Chloro-3-methylphenol	5.954	107	6182	4.46	ppm		95
38) 2-Methylnaphthalene	6.090	142	16285	4.74	ppm		93
39) 1-Methylnaphthalene	6.184	142	16485	4.93	ppm		92
40) 1,2,4,5-Tetrachloroben...	6.272	216	9197	4.98	ppm		100
44) Pentachloronitrobenzene	8.401	237	2166	4.12	ppm		90
45) Hexachlorocyclopentadiene	6.289	237	5335	4.42	ppm		86
46) 2,4,6-Trichlorophenol	6.354	196	4962	4.35	ppm		99
47) 2,4,5-Trichlorophenol	6.384	196	5351	4.45	ppm		99
49) 2-Chloronaphthalene	6.513	162	15028	4.68	ppm		98
50) Acenaphthylene	6.889	152	24421	4.80	ppm		97
51) Dimethylphthalate	6.801	163	17498	4.96	ppm		98
52) 2,4-Dinitrotoluene	7.219	165	4817	4.33	ppm		80
53) Acenaphthene	7.054	153	16873	5.20	ppm		96
54) 2,4-Dinitrophenol	7.084	184	1515	2.90	ppm		85
55) Dibenzofuran	7.201	168	22213	4.69	ppm		98
56) 2,6-Dinitrotoluene	6.866	165	3383	3.98	ppm		71
57) 4-Nitrophenol	7.119	65	2914	3.91	ppm	#	71
58) 2,3,4,6-Tetrachlorophenol	7.348	232	4491	4.35	ppm		91
59) Fluorene	7.525	166	18464	4.95	ppm		93
60) 4-Chlorophenyl-phenyle...	7.513	204	8876	4.76	ppm		95
61) Diethylphthalate	7.448	149	16793	4.71	ppm		99
62) 2-nitroaniline	6.625	138	4231	4.06	ppm		95
63) 3-nitroaniline	6.989	138	3727	4.18	ppm		85
64) 4-nitroaniline	7.560	138	3573	4.04	ppm		84
68) 4,6-Dinitro-2-methylph...	7.601	198	2324	3.12	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	12398	4.80	ppm		97
70) 1,2-Diphenylhydrazine	7.666	77	16006	4.65	ppm		95
72) 4-Bromophenyl-phenylether	7.989	248	5172	4.85	ppm		97
73) Hexachlorobenzene	8.148	284	6133	5.03	ppm		96
74) Pentachlorophenol	8.319	266	3153	3.93	ppm		96
75) Phenanthrene	8.478	178	26259	4.84	ppm		96
76) Anthracene	8.525	178	27189	5.04	ppm		100
77) Carbazole	8.689	167	23695	5.07	ppm		100
78) Di-n-butylphthalate	9.113	149	25565	4.11	ppm		98
79) Fluoranthene	9.777	202	26727	4.84	ppm		98
83) Benzidine	9.925	184	7390	3.50	ppm		94
84) Pyrene	10.030	202	29538	4.89	ppm		96
86) 3,3-Dimethylbenzidine	10.783	212	9433	3.54	ppm		100
87) Butylbenzylphthalate	10.824	149	10469	3.83	ppm		95
88) 3,3'-Dichlorobenzidine	11.419	252	7573	3.37	ppm		95
89) Benzo[a]anthracene	11.430	228	25910	4.78	ppm		93
90) Chrysene	11.477	228	27195	4.97	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.542	149	13275	3.49	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration

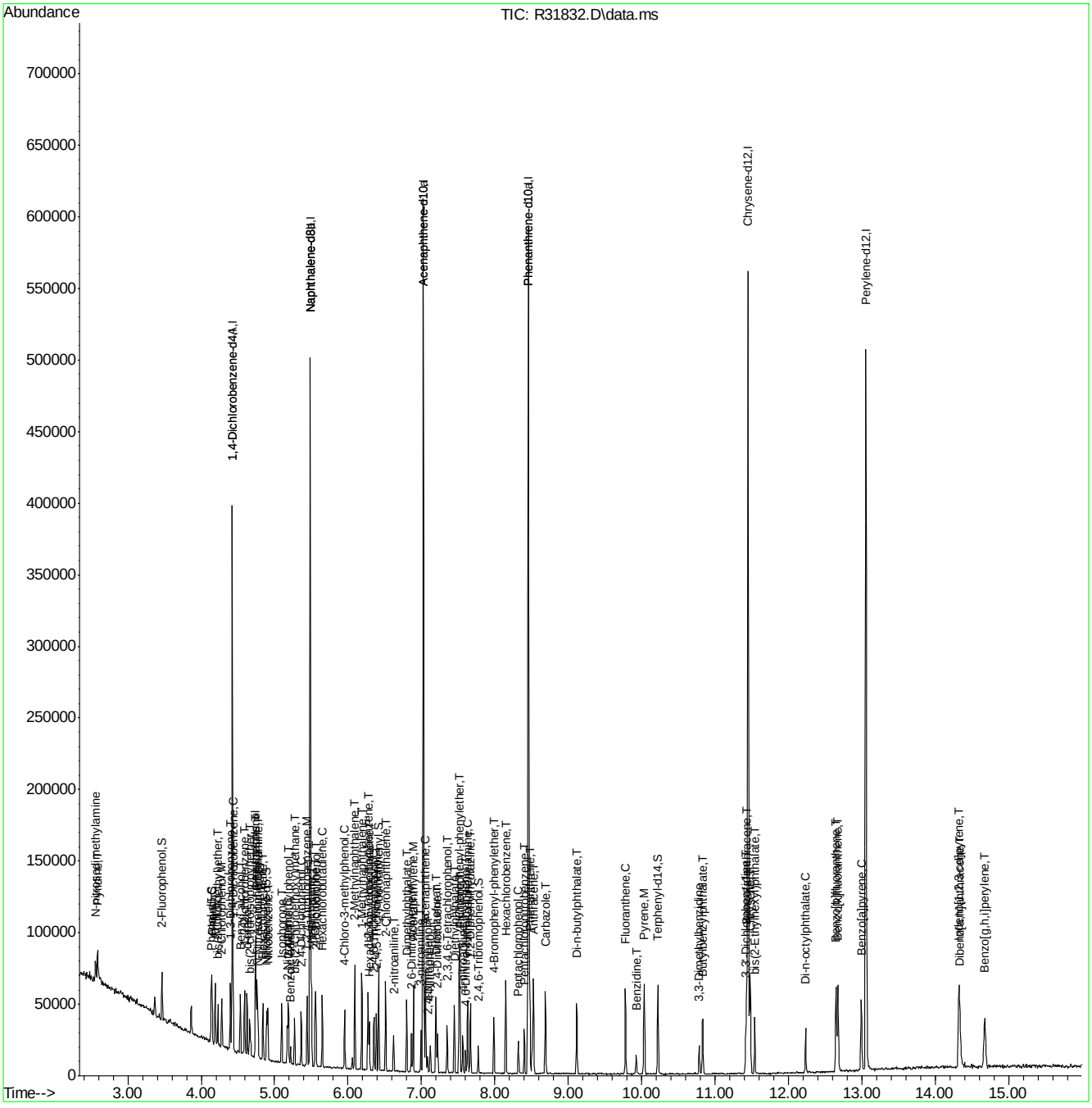
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.230	149	18042	2.98	ppm	97
94) Benzo[b]fluoranthene	12.648	252	26212	4.39	ppm	93
95) Benzo[k]fluoranthene	12.671	252	27270	4.93	ppm	97
96) Benzo[a]pyrene	12.989	252	22958	4.61	ppm	93
97) Indeno[1,2,3-cd]pyrene	14.324	276	29545	4.73	ppm	86
98) Dibenz[a,h]anthracene	14.336	278	24614	4.83	ppm	94
99) Benzo[g,h,i]perylene	14.671	276	24683	4.66	ppm	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24064

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	46884	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	46884	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	166929	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	166929	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	105710	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	105710	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	181940	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	181940	40.00	ppm	0.00
82) Chrysene-d12	11.448	240	195288	40.00	ppm	0.00
92) Perylene-d12	13.054	264	187013	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	166929	40.00	ug/mL	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	14242	10.25	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 10.25%#			
7) Phenol-d5	4.137	99	17138	9.59	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 9.59%#			
24) Nitrobenzene-d5	4.890	82	15688	10.07	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 20.14%#			
48) 2-Fluorobiphenyl	6.419	172	34683	10.02	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 20.04%#			
71) 2,4,6-Tribromophenol	7.772	330	4845	9.67	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 9.67%#			
85) Terphenyl-d14	10.219	244	39266	9.61	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 19.22%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.560	74	9321	10.59	ug/l	99
3) Pyridine	2.584	79	16709	10.11	ppm	83
4) Aniline	4.190	93	21013	10.23	ppm #	1
6) bis(2-Chloroethyl)ether	4.225	63	10148	10.21	ppm	82
8) Phenol	4.148	94	17082	9.88	ppm	94
9) 2-Chlorophenol	4.278	128	15038	10.44	ppm	96
10) 1,3-Dichlorobenzene	4.396	146	17344	10.36	ppm	97
11) 1,4-Dichlorobenzene	4.437	146	17241	9.80	ppm	96
12) 1,2-Dichlorobenzene	4.590	146	15632	10.09	ppm	99
13) Benzyl alcohol	4.537	108	9120	9.60	ppm	95
14) bis(2-chloroisopropyl)...	4.660	45	16636	9.71	ppm	86
15) o-cresol	4.625	108	12035	9.51	ppm	77
16) Acetophenone	4.760	105	20253	9.60	ppm	98
17) Hexachloroethane	4.843	117	6286	9.60	ppm	89
18) N-Nitroso-di-n-propyla...	4.772	70	9230	9.29	ppm	80
19) m+p-cresols	4.743	108	26756	19.28	ppm	91
20) 4-methylphenol	4.743	108	26756	19.28	ppm	91
25) Nitrobenzene	4.907	77	15604	9.64	ppm	97
26) Isophorone	5.095	82	25747	9.93	ppm	97
27) 2-Nitrophenol	5.172	139	7271	9.80	ppm	81
28) 2,4-Dimethylphenol	5.184	107	13801	10.46	ppm	94
29) bis(2-Chloroethoxy)met...	5.272	93	15740	10.17	ppm	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.225	105	6577	6.57	ppm		88
31) 2,4-Dichlorophenol	5.360	162	12327	10.34	ppm		93
32) 1,2,4-Trichlorobenzene	5.442	180	13568	9.85	ppm		98
33) Naphthalene	5.501	128	42908	10.06	ppm		97
34) 2,6-Dichlorophenol	5.560	162	11758	9.76	ppm		96
35) 4-Chloroaniline	5.554	127	17103	9.78	ppm		100
36) Hexachlorobutadiene	5.648	225	9080	11.11	ppm		94
37) 4-Chloro-3-methylphenol	5.954	107	11168	9.56	ppm		96
38) 2-Methylnaphthalene	6.090	142	29155	9.69	ppm		97
39) 1-Methylnaphthalene	6.184	142	28886	9.74	ppm		100
40) 1,2,4,5-Tetrachloroben...	6.272	216	15961	9.71	ppm		94
44) Pentachloronitrobenzene	8.401	237	3995	8.59	ppm		93
45) Hexachlorocyclopentadiene	6.290	237	9042	8.98	ppm		98
46) 2,4,6-Trichlorophenol	6.354	196	9139	9.67	ppm		90
47) 2,4,5-Trichlorophenol	6.384	196	9245	9.19	ppm		92
49) 2-Chloronaphthalene	6.513	162	27215	9.78	ppm		94
50) Acenaphthylene	6.889	152	43895	9.87	ppm		98
51) Dimethylphthalate	6.801	163	31117	9.98	ppm		97
52) 2,4-Dinitrotoluene	7.219	165	8753	9.51	ppm		91
53) Acenaphthene	7.054	153	27820	9.55	ppm		96
54) 2,4-Dinitrophenol	7.084	184	3245	7.01	ppm		82
55) Dibenzofuran	7.201	168	40311	9.81	ppm		93
56) 2,6-Dinitrotoluene	6.866	165	6650	9.84	ppm	#	65
57) 4-Nitrophenol	7.119	65	5494	8.31	ppm	#	79
58) 2,3,4,6-Tetrachlorophenol	7.348	232	7686	8.99	ppm		95
59) Fluorene	7.525	166	32313	9.81	ppm		98
60) 4-Chlorophenyl-phenyle...	7.513	204	15641	9.63	ppm		86
61) Diethylphthalate	7.448	149	30962	9.99	ppm		97
62) 2-nitroaniline	6.619	138	8013	9.57	ppm		84
63) 3-nitroaniline	6.989	138	7123	9.01	ppm		87
64) 4-nitroaniline	7.560	138	6966	8.89	ppm		80
68) 4,6-Dinitro-2-methylph...	7.601	198	4616	6.89	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	22406	9.78	ppm		95
70) 1,2-Diphenylhydrazine	7.666	77	30647	10.14	ppm		93
72) 4-Bromophenyl-phenylether	7.989	248	9842	10.36	ppm		94
73) Hexachlorobenzene	8.148	284	10266	9.35	ppm		96
74) Pentachlorophenol	8.319	266	5580	7.73	ppm		95
75) Phenanthrene	8.478	178	48283	10.00	ppm		98
76) Anthracene	8.525	178	47975	9.87	ppm		97
77) Carbazole	8.689	167	42932	10.17	ppm		98
78) Di-n-butylphthalate	9.113	149	49326	9.68	ppm		98
79) Fluoranthene	9.778	202	49907	10.16	ppm		96
83) Benzidine	9.925	184	13689	8.55	ppm		97
84) Pyrene	10.030	202	53983	10.09	ppm		97
86) 3,3-Dimethylbenzidine	10.783	212	18632	9.19	ppm		100
87) Butylbenzylphthalate	10.830	149	20998	9.76	ppm		94
88) 3,3'-Dichlorobenzidine	11.419	252	16039	9.56	ppm		91
89) Benzo[a]anthracene	11.430	228	48728	10.24	ppm		96
90) Chrysene	11.477	228	48493	9.96	ppm		97
91) bis(2-Ethylhexyl)phtha...	11.542	149	27224	9.45	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.230	149	37306	8.86	ppm	99
94) Benzo[b]fluoranthene	12.648	252	51185	10.25	ppm	96
95) Benzo[k]fluoranthene	12.671	252	51893	10.81	ppm	97
96) Benzo[a]pyrene	12.989	252	44414	10.50	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.318	276	55586	10.39	ppm	85
98) Dibenz[a,h]anthracene	14.330	278	43079	9.80	ppm	96
99) Benzo[g,h,i]perylene	14.671	276	47038	10.42	ppm	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

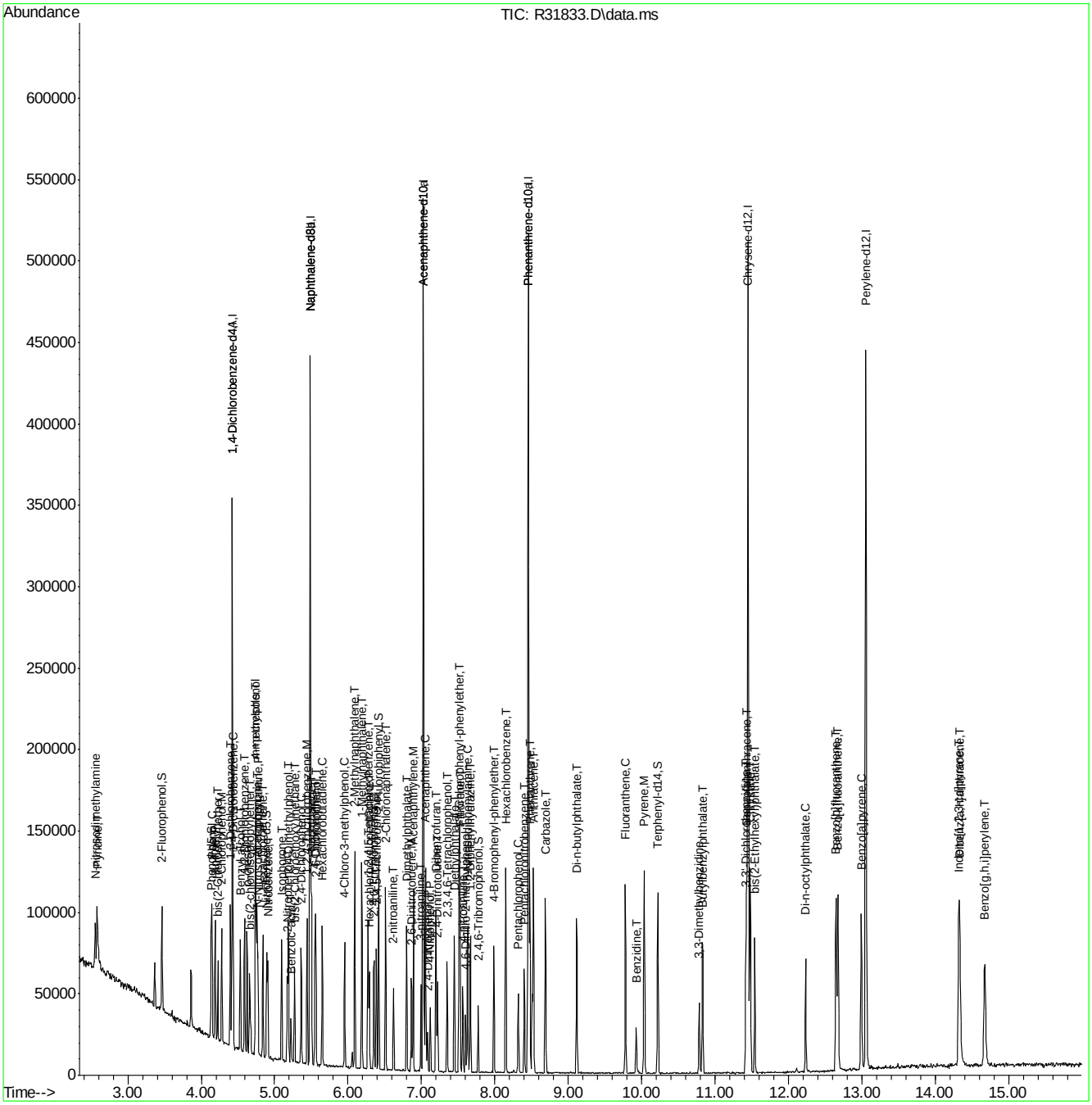
9.6.4

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	51742	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	51742	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	187414	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	187414	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	116090	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	116090	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	205439	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	205439	40.00	ppm		0.00
82) Chrysene-d12	11.448	240	219524	40.00	ppm		0.00
92) Perylene-d12	13.054	264	211519	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	187414	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.466	112	30920	20.04	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 20.04%#				
7) Phenol-d5	4.137	99	39428	20.19	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 20.19%#				
24) Nitrobenzene-d5	4.890	82	36172	20.64	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 41.28%				
48) 2-Fluorobiphenyl	6.419	172	78365	20.61	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 41.22%				
71) 2,4,6-Tribromophenol	7.772	330	12254	21.90	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 21.90%#				
85) Terphenyl-d14	10.219	244	96411	21.20	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 42.40%				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.560	74	20277	20.48	ug/l		85
3) Pyridine	2.578	79	36952	20.18	ppm		85
4) Aniline	4.190	93	47163	20.69	ppm	#	1
6) bis(2-Chloroethyl)ether	4.225	63	22170	20.10	ppm		91
8) Phenol	4.149	94	40284	21.17	ppm		97
9) 2-Chlorophenol	4.278	128	33290	20.72	ppm		98
10) 1,3-Dichlorobenzene	4.396	146	37487	20.12	ppm		97
11) 1,4-Dichlorobenzene	4.437	146	38579	19.97	ppm		96
12) 1,2-Dichlorobenzene	4.590	146	34284	20.00	ppm		95
13) Benzyl alcohol	4.537	108	20595	19.92	ppm		96
14) bis(2-chloroisopropyl)...	4.660	45	38598	20.56	ppm		82
15) o-cresol	4.625	108	28574	20.71	ppm		81
16) Acetophenone	4.760	105	48172	20.90	ppm		99
17) Hexachloroethane	4.843	117	14788	20.66	ppm		89
18) N-Nitroso-di-n-propyla...	4.772	70	22687	21.07	ppm		83
19) m+p-cresols	4.743	108	61057	40.22	ppm		100
20) 4-methylphenol	4.743	108	61057	40.23	ppm		100
25) Nitrobenzene	4.907	77	35950	19.96	ppm		95
26) Isophorone	5.096	82	60479	20.81	ppm		95
27) 2-Nitrophenol	5.172	139	16401	19.82	ppm		85
28) 2,4-Dimethylphenol	5.184	107	32918	21.89	ppm		95
29) bis(2-Chloroethoxy)met...	5.272	93	37153	21.26	ppm		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.237	105	18397	19.75	ppm		95
31) 2,4-Dichlorophenol	5.360	162	27608	20.39	ppm		95
32) 1,2,4-Trichlorobenzene	5.443	180	31478	20.44	ppm		96
33) Naphthalene	5.501	128	97867	20.41	ppm		98
34) 2,6-Dichlorophenol	5.560	162	28427	21.19	ppm		97
35) 4-Chloroaniline	5.554	127	41102	21.08	ppm		100
36) Hexachlorobutadiene	5.648	225	20924	22.19	ppm		97
37) 4-Chloro-3-methylphenol	5.954	107	26807	20.75	ppm		97
38) 2-Methylnaphthalene	6.090	142	68715	20.50	ppm		90
39) 1-Methylnaphthalene	6.184	142	65711	19.87	ppm		94
40) 1,2,4,5-Tetrachloroben...	6.272	216	35372	19.31	ppm		97
44) Pentachloronitrobenzene	8.401	237	9129	19.23	ppm		95
45) Hexachlorocyclopentadiene	6.290	237	22665	21.22	ppm		95
46) 2,4,6-Trichlorophenol	6.354	196	21103	20.56	ppm		94
47) 2,4,5-Trichlorophenol	6.384	196	23571	21.92	ppm		99
49) 2-Chloronaphthalene	6.513	162	63890	21.02	ppm		94
50) Acenaphthylene	6.890	152	103146	21.19	ppm		99
51) Dimethylphthalate	6.801	163	73029	21.34	ppm		98
52) 2,4-Dinitrotoluene	7.219	165	21650	21.78	ppm		84
53) Acenaphthene	7.054	153	66856	21.13	ppm		99
54) 2,4-Dinitrophenol	7.084	184	9159	18.03	ppm		88
55) Dibenzofuran	7.201	168	94051	20.94	ppm		99
56) 2,6-Dinitrotoluene	6.866	165	16295	22.07	ppm	#	62
57) 4-Nitrophenol	7.125	65	13669	20.57	ppm		94
58) 2,3,4,6-Tetrachlorophenol	7.348	232	18645	20.55	ppm		91
59) Fluorene	7.525	166	75169	20.88	ppm		98
60) 4-Chlorophenyl-phenyle...	7.513	204	37443	21.18	ppm		94
61) Diethylphthalate	7.448	149	71749	21.09	ppm		99
62) 2-nitroaniline	6.619	138	19932	22.00	ppm		85
63) 3-nitroaniline	6.990	138	17272	20.93	ppm		84
64) 4-nitroaniline	7.566	138	17246	21.22	ppm		93
68) 4,6-Dinitro-2-methylph...	7.601	198	13821	21.63	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	54634	21.24	ppm		99
70) 1,2-Diphenylhydrazine	7.666	77	69003	20.15	ppm		97
72) 4-Bromophenyl-phenylether	7.989	248	21957	20.29	ppm		94
73) Hexachlorobenzene	8.148	284	26555	21.77	ppm		89
74) Pentachlorophenol	8.319	266	14968	20.72	ppm		86
75) Phenanthrene	8.478	178	109782	20.14	ppm		97
76) Anthracene	8.525	178	115301	21.07	ppm		99
77) Carbazole	8.689	167	101889	21.28	ppm		100
78) Di-n-butylphthalate	9.113	149	121116	21.27	ppm		97
79) Fluoranthene	9.778	202	118135	21.21	ppm		100
83) Benzidine	9.925	184	38042	22.21	ppm		98
84) Pyrene	10.031	202	127299	21.13	ppm		100
86) 3,3-Dimethylbenzidine	10.783	212	47611	21.47	ppm		100
87) Butylbenzylphthalate	10.830	149	52766	21.99	ppm		98
88) 3,3'-Dichlorobenzidine	11.419	252	40862	21.98	ppm		93
89) Benzo[a]anthracene	11.430	228	115708	21.50	ppm		97
90) Chrysene	11.477	228	113742	20.80	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.542	149	72206	22.71	ppm		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration

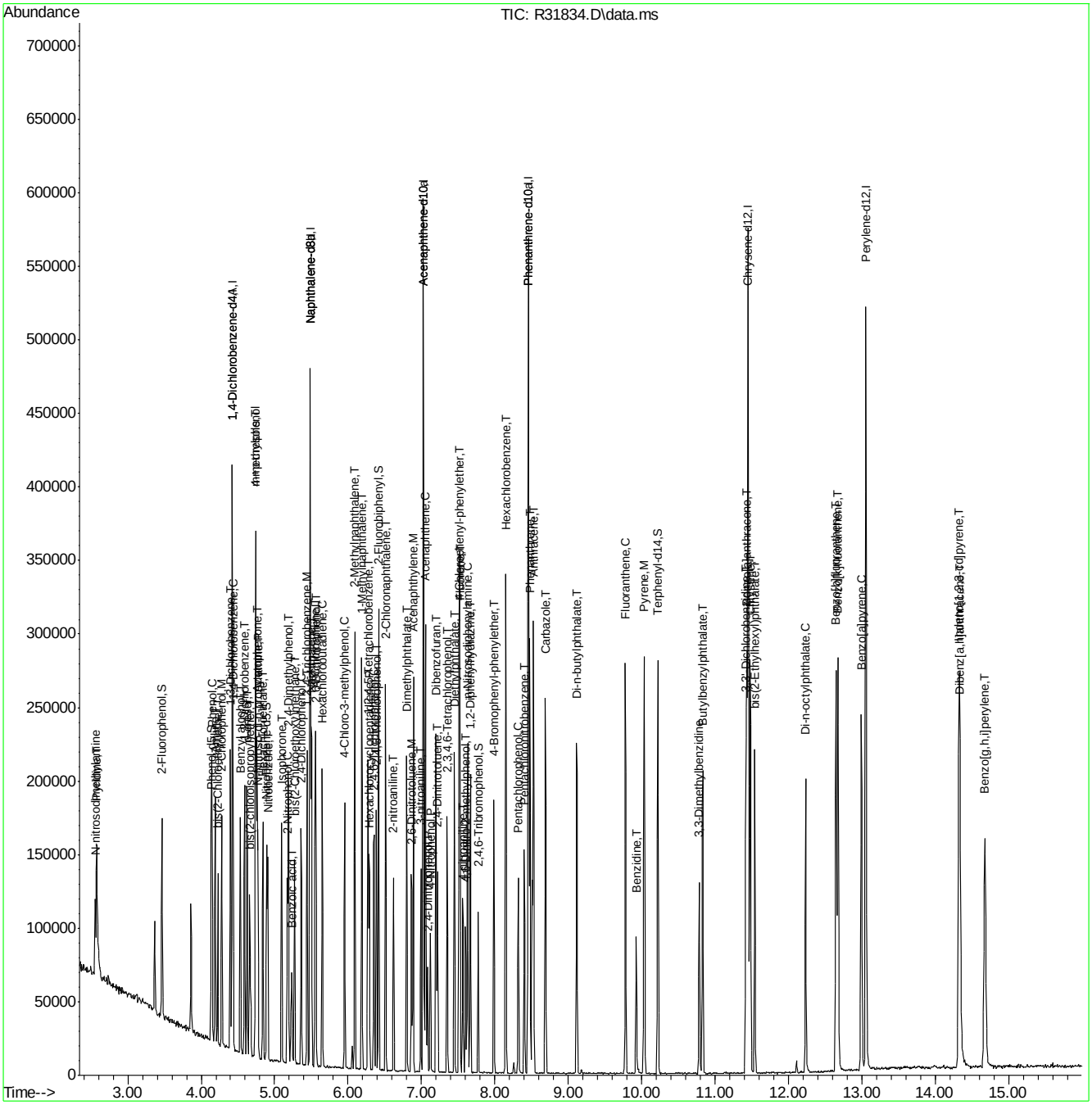
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.230	149	109176	23.83	ppm	99
94) Benzo[b]fluoranthene	12.648	252	121301	21.35	ppm	97
95) Benzo[k]fluoranthene	12.672	252	125067	22.57	ppm	97
96) Benzo[a]pyrene	12.989	252	113294	23.38	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.324	276	137292	22.48	ppm	88
98) Dibenz[a,h]anthracene	14.336	278	111343	22.51	ppm	98
99) Benzo[g,h,i]perylene	14.671	276	114707	22.23	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	60503	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	60503	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	224861	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	224861	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	138065	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	138065	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	242175	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	242175	40.00	ppm		0.00
82) Chrysene-d12	11.454	240	270189	40.00	ppm		0.00
92) Perylene-d12	13.054	264	262365	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	224861	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.466	112	146080	80.95	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 80.95%				
7) Phenol-d5	4.143	99	185174	80.94	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 80.94%				
24) Nitrobenzene-d5	4.890	82	171072	80.83	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 161.66%#				
48) 2-Fluorobiphenyl	6.419	172	367337	80.74	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 161.48%#				
71) 2,4,6-Tribromophenol	7.778	330	62320	92.29	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 92.29%				
85) Terphenyl-d14	10.219	244	466379	82.34	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 164.68%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.560	74	95161	81.70	ug/l		85
3) Pyridine	2.572	79	173375	80.79	ppm		93
4) Aniline	4.190	93	226620	84.44	ppm	#	1
6) bis(2-Chloroethyl)ether	4.225	63	103993	80.55	ppm		88
8) Phenol	4.154	94	189494	84.19	ppm		97
9) 2-Chlorophenol	4.284	128	158965	84.00	ppm		97
10) 1,3-Dichlorobenzene	4.396	146	174784	80.12	ppm		99
11) 1,4-Dichlorobenzene	4.437	146	183171	81.11	ppm		99
12) 1,2-Dichlorobenzene	4.590	146	165338	82.49	ppm		98
13) Benzyl alcohol	4.537	108	102620	84.95	ppm		98
14) bis(2-chloroisopropyl)...	4.660	45	178962	81.07	ppm		83
15) o-cresol	4.631	108	139697	85.98	ppm		81
16) Acetophenone	4.760	105	224175	82.43	ppm		96
17) Hexachloroethane	4.843	117	68901	81.79	ppm		91
18) N-Nitroso-di-n-propyla...	4.778	70	105251	82.71	ppm		85
19) m+p-cresols	4.749	108	302988	170.50	ppm		97
20) 4-methylphenol	4.749	108	302988	170.54	ppm		97
25) Nitrobenzene	4.907	77	170655	79.02	ppm		93
26) Isophorone	5.096	82	290293	82.57	ppm		99
27) 2-Nitrophenol	5.172	139	83722	84.52	ppm		88
28) 2,4-Dimethylphenol	5.190	107	153128	82.90	ppm		97
29) bis(2-Chloroethoxy)met...	5.272	93	173481	81.47	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.272	105	117860	105.90	ppm		92
31) 2,4-Dichlorophenol	5.366	162	136507	83.63	ppm		99
32) 1,2,4-Trichlorobenzene	5.443	180	147150	79.28	ppm		97
33) Naphthalene	5.501	128	460263	79.67	ppm		99
34) 2,6-Dichlorophenol	5.566	162	132676	81.21	ppm		94
35) 4-Chloroaniline	5.554	127	195522	82.47	ppm		100
36) Hexachlorobutadiene	5.649	225	93063	80.50	ppm		98
37) 4-Chloro-3-methylphenol	5.954	107	133116	85.08	ppm		92
38) 2-Methylnaphthalene	6.090	142	329038	81.41	ppm		95
39) 1-Methylnaphthalene	6.190	142	317890	80.22	ppm		93
40) 1,2,4,5-Tetrachloroben...	6.272	216	168769	77.33	ppm		100
44) Pentachloronitrobenzene	8.407	237	48472	86.95	ppm		96
45) Hexachlorocyclopentadiene	6.290	237	111120	86.16	ppm		98
46) 2,4,6-Trichlorophenol	6.354	196	107277	87.29	ppm		93
47) 2,4,5-Trichlorophenol	6.384	196	111256	84.96	ppm		99
49) 2-Chloronaphthalene	6.513	162	293904	80.48	ppm		94
50) Acenaphthylene	6.890	152	490303	83.68	ppm		100
51) Dimethylphthalate	6.807	163	344670	83.57	ppm		100
52) 2,4-Dinitrotoluene	7.225	165	105039	86.92	ppm		96
53) Acenaphthene	7.054	153	316498	83.17	ppm		99
54) 2,4-Dinitrophenol	7.084	184	54411	94.72	ppm		96
55) Dibenzofuran	7.201	168	446301	82.76	ppm		99
56) 2,6-Dinitrotoluene	6.866	165	82198	91.25	ppm		73
57) 4-Nitrophenol	7.125	65	68946	86.42	ppm	#	76
58) 2,3,4,6-Tetrachlorophenol	7.348	232	99182	91.28	ppm		100
59) Fluorene	7.525	166	361247	83.64	ppm		100
60) 4-Chlorophenyl-phenyle...	7.519	204	176034	82.76	ppm		98
61) Diethylphthalate	7.454	149	345081	84.36	ppm		98
62) 2-nitroaniline	6.625	138	99381	89.98	ppm		90
63) 3-nitroaniline	6.995	138	86569	86.86	ppm		93
64) 4-nitroaniline	7.572	138	83664	84.83	ppm		85
68) 4,6-Dinitro-2-methylph...	7.613	198	73851	95.45	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	260791	84.95	ppm		98
70) 1,2-Diphenylhydrazine	7.666	77	332090	82.14	ppm		96
72) 4-Bromophenyl-phenylether	7.990	248	105847	82.73	ppm		99
73) Hexachlorobenzene	8.148	284	118666	81.09	ppm		99
74) Pentachlorophenol	8.325	266	82047	95.21	ppm		98
75) Phenanthrene	8.484	178	529132	82.23	ppm		100
76) Anthracene	8.531	178	556788	85.40	ppm		99
77) Carbazole	8.695	167	500802	87.62	ppm		99
78) Di-n-butylphthalate	9.119	149	613562	89.98	ppm		100
79) Fluoranthene	9.784	202	577075	86.86	ppm		98
83) Benzidine	9.925	184	206250	95.20	ppm		99
84) Pyrene	10.036	202	624149	83.22	ppm		100
86) 3,3-Dimethylbenzidine	10.789	212	268450	96.58	ppm		100
87) Butylbenzylphthalate	10.831	149	260925	86.20	ppm		95
88) 3,3'-Dichlorobenzidine	11.419	252	231674	98.82	ppm		99
89) Benzo[a]anthracene	11.430	228	576686	85.77	ppm		100
90) Chrysene	11.483	228	559366	82.46	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.542	149	380195	93.97	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration

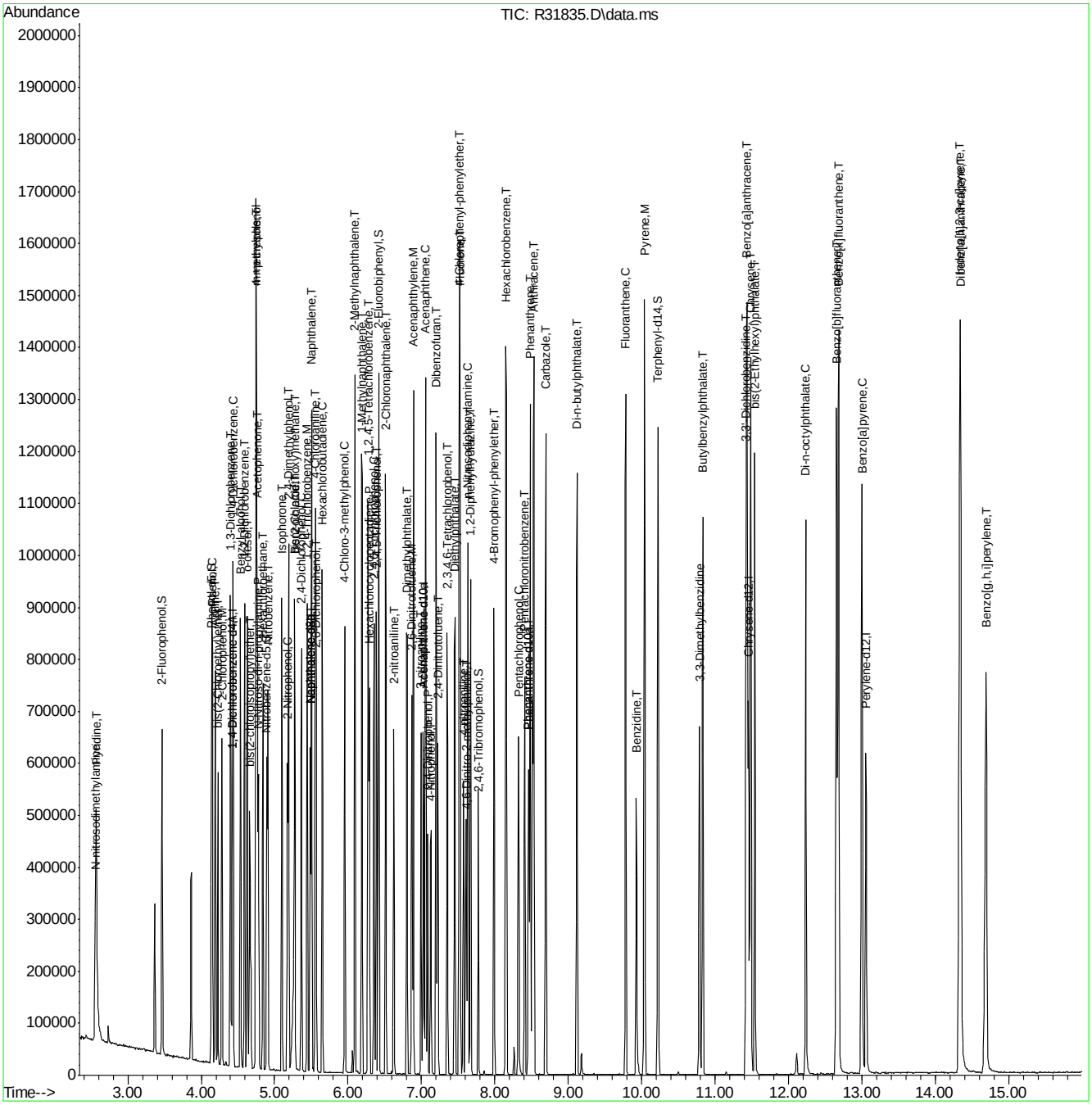
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	613966	103.10	ppm	99
94) Benzo[b]fluoranthene	12.654	252	605090	84.71	ppm	99
95) Benzo[k]fluoranthene	12.683	252	622047	88.23	ppm	97
96) Benzo[a]pyrene	13.001	252	570752	91.86	ppm	96
97) Indeno[1,2,3-cd]pyrene	14.336	276	702968	90.54	ppm	91
98) Dibenz[a,h]anthracene	14.342	278	559431	88.94	ppm	99
99) Benzo[g,h,i]perylene	14.689	276	577222	88.23	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24064

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	54158	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	54158	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	200776	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	200776	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	125917	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	125917	40.00	ppm	0.00
67) Phenanthrene-d10	8.460	188	221086	40.00	ppm	0.00
80) Phenanthrene-d10a	8.460	188	221086	40.00	ppm	0.00
82) Chrysene-d12	11.460	240	241245	40.00	ppm	0.00
92) Perylene-d12	13.060	264	234497	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	200776m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	206362	127.50	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 127.50%			
7) Phenol-d5	4.143	99	259408	126.43	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 126.43%			
24) Nitrobenzene-d5	4.895	82	236116	124.74	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 249.48%#			
48) 2-Fluorobiphenyl	6.425	172	514301	123.76	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 247.52%#			
71) 2,4,6-Tribromophenol	7.778	330	86880	136.74	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 136.74%#			
85) Terphenyl-d14	10.224	244	647239	127.36	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 254.72%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.554	74	133517	127.52	ug/l #	81
3) Pyridine	2.566	79	238557	123.95	ppm	89
4) Aniline	4.190	93	312582	128.92	ppm #	1
6) bis(2-Chloroethyl)ether	4.225	63	147175	127.21	ppm	85
8) Phenol	4.154	94	261710	128.78	ppm	98
9) 2-Chlorophenol	4.284	128	224163	131.24	ppm	97
10) 1,3-Dichlorobenzene	4.395	146	243499	124.66	ppm	98
11) 1,4-Dichlorobenzene	4.437	146	255712	126.21	ppm	97
12) 1,2-Dichlorobenzene	4.590	146	234064	129.79	ppm	99
13) Benzyl alcohol	4.537	108	143767	131.33	ppm	98
14) bis(2-chloroisopropyl)...	4.660	45	247142	124.79	ppm	81
15) o-cresol	4.631	108	189936	128.99	ppm	79
16) Acetophenone	4.766	105	310217	126.80	ppm	98
17) Hexachloroethane	4.842	117	95857	126.65	ppm	91
18) N-Nitroso-di-n-propyla...	4.784	70	146586	127.97	ppm	86
19) m+p-cresols	4.754	108	420159	261.28	ppm	98
20) 4-methylphenol	4.754	108	420159	261.33	ppm	98
25) Nitrobenzene	4.907	77	233401	121.28	ppm	92
26) Isophorone	5.095	82	406653	128.86	ppm	98
27) 2-Nitrophenol	5.178	139	116124	129.83	ppm	97
28) 2,4-Dimethylphenol	5.190	107	217491	130.92	ppm	95
29) bis(2-Chloroethoxy)met...	5.272	93	241373	126.48	ppm	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.284	105	168394	156.77	ppm		96
31) 2,4-Dichlorophenol	5.366	162	187778	127.69	ppm		97
32) 1,2,4-Trichlorobenzene	5.448	180	204227	123.41	ppm		99
33) Naphthalene	5.501	128	642164	124.57	ppm		99
34) 2,6-Dichlorophenol	5.566	162	186478	127.45	ppm		96
35) 4-Chloroaniline	5.554	127	268103	125.88	ppm		100
36) Hexachlorobutadiene	5.648	225	129200	125.04	ppm		100
37) 4-Chloro-3-methylphenol	5.954	107	183644	129.80	ppm		97
38) 2-Methylnaphthalene	6.089	142	452390	124.99	ppm		96
39) 1-Methylnaphthalene	6.189	142	433056	122.34	ppm		96
40) 1,2,4,5-Tetrachloroben...	6.272	216	232522	119.99	ppm		98
44) Pentachloronitrobenzene	8.407	237	66864	128.72	ppm		96
45) Hexachlorocyclopentadiene	6.289	237	157499	131.87	ppm		96
46) 2,4,6-Trichlorophenol	6.354	196	147593	129.32	ppm		96
47) 2,4,5-Trichlorophenol	6.384	196	153108	126.64	ppm		100
49) 2-Chloronaphthalene	6.519	162	411276	123.36	ppm		97
50) Acenaphthylene	6.889	152	681362	126.54	ppm		99
51) Dimethylphthalate	6.807	163	475981	125.60	ppm		99
52) 2,4-Dinitrotoluene	7.225	165	147554	131.60	ppm		91
53) Acenaphthene	7.060	153	435291	124.60	ppm		100
54) 2,4-Dinitrophenol	7.089	184	79663	143.27	ppm		91
55) Dibenzofuran	7.201	168	620765	125.49	ppm		97
56) 2,6-Dinitrotoluene	6.872	165	114393	135.43	ppm	#	62
57) 4-Nitrophenol	7.131	65	95470	128.63	ppm		87
58) 2,3,4,6-Tetrachlorophenol	7.354	232	134031	131.54	ppm		98
59) Fluorene	7.525	166	499158	125.77	ppm		99
60) 4-Chlorophenyl-phenyle...	7.519	204	240768	123.41	ppm		95
61) Diethylphthalate	7.454	149	476544	126.58	ppm		98
62) 2-nitroaniline	6.625	138	137621	133.29	ppm		91
63) 3-nitroaniline	6.995	138	119043	128.22	ppm		88
64) 4-nitroaniline	7.578	138	119501	130.88	ppm		88
68) 4,6-Dinitro-2-methylph...	7.613	198	101635	137.27	ppm		100
69) n-Nitrosodiphenylamine	7.636	169	360102	127.18	ppm		98
70) 1,2-Diphenylhydrazine	7.672	77	456935	123.25	ppm		97
72) 4-Bromophenyl-phenylether	7.989	248	148681	126.58	ppm		97
73) Hexachlorobenzene	8.148	284	164135	122.58	ppm		99
74) Pentachlorophenol	8.325	266	116494	141.36	ppm		97
75) Phenanthrene	8.483	178	722841	122.47	ppm		99
76) Anthracene	8.530	178	764579	127.03	ppm		99
77) Carbazole	8.695	167	706065	133.20	ppm		99
78) Di-n-butylphthalate	9.119	149	847814	132.88	ppm		99
79) Fluoranthene	9.783	202	795520	129.31	ppm		100
83) Benzidine	9.930	184	282972	140.93	ppm		99
84) Pyrene	10.042	202	870788	129.17	ppm		97
86) 3,3-Dimethylbenzidine	10.789	212	366855	141.93	ppm		100
87) Butylbenzylphthalate	10.830	149	370106	134.85	ppm		97
88) 3,3'-Dichlorobenzidine	11.424	252	323904	147.78	ppm		98
89) Benzo[a]anthracene	11.436	228	800204	131.71	ppm		100
90) Chrysene	11.489	228	780853	128.27	ppm		99
91) bis(2-Ethylhexyl)phtha...	11.542	149	534624	142.99	ppm		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration

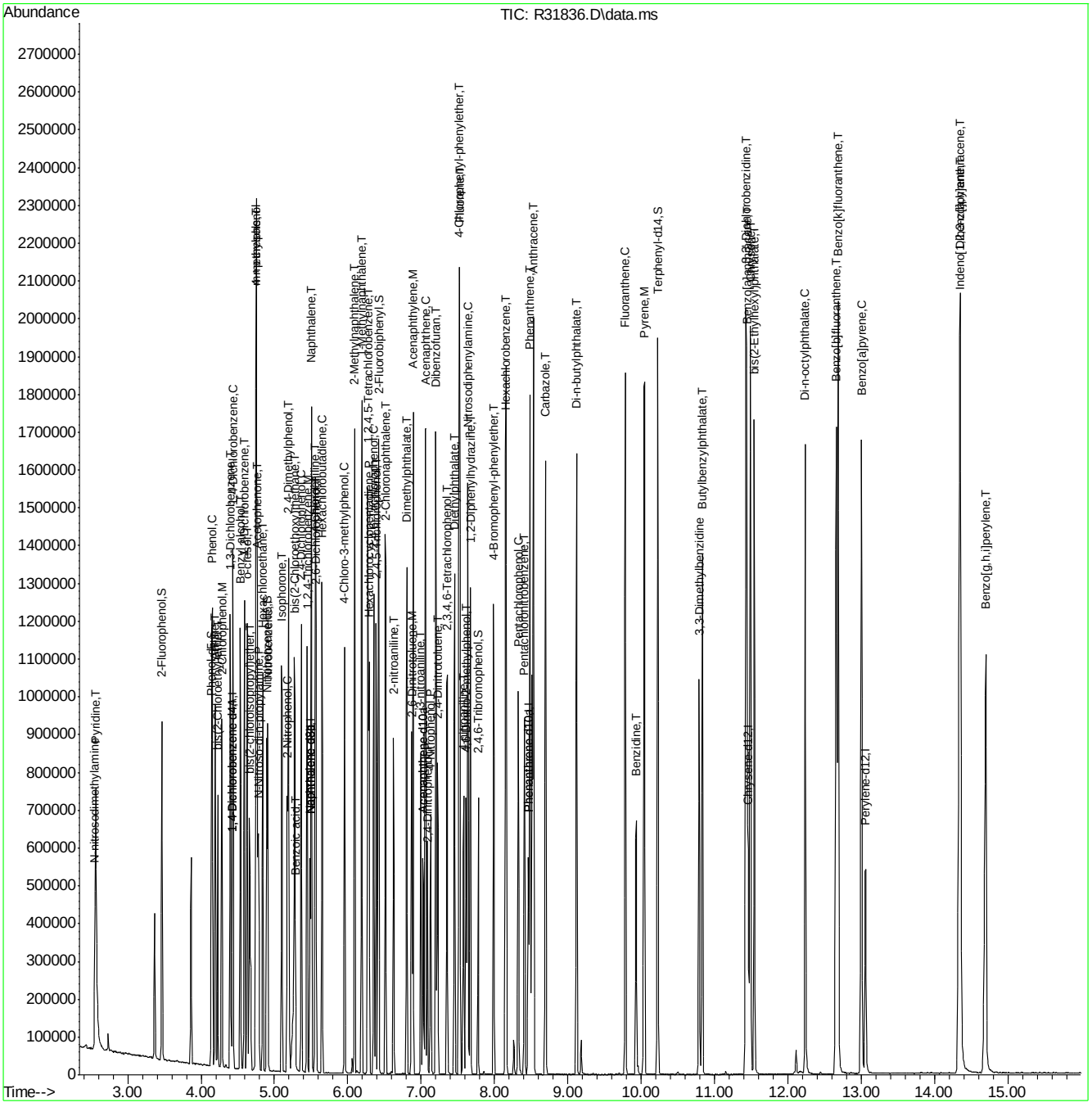
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	881487	156.57	ppm	99
94) Benzo[b]fluoranthene	12.660	252	907022	140.68	ppm	98
95) Benzo[k]fluoranthene	12.683	252	813670	126.95	ppm	98
96) Benzo[a]pyrene	13.001	252	784721	137.90	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.342	276	992175	139.90	ppm	95
98) Dibenz[a,h]anthracene	14.348	278	797085	139.18	ppm	98
99) Benzo[g,h,i]perylene	14.695	276	806240	135.55	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24064

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	50272	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	50272	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	179223	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	179223	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	113814	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	113814	40.00	ppm	0.00
67) Phenanthrene-d10	8.460	188	198099	40.00	ppm	0.00
80) Phenanthrene-d10a	8.460	188	198099	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	218244	40.00	ppm	0.00
92) Perylene-d12	13.054	264	210724	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	179232m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	253032	166.93	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 166.93%#			
7) Phenol-d5	4.148	99	320502	167.00	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 167.00%#			
24) Nitrobenzene-d5	4.895	82	288990	170.07	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 340.14%#			
48) 2-Fluorobiphenyl	6.425	172	620525	164.47	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 328.94%#			
71) 2,4,6-Tribromophenol	7.778	330	105558	181.20	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 181.20%#			
85) Terphenyl-d14	10.224	244	785889	169.46	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 338.92%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.554	74	164142	167.14	ug/l	84
3) Pyridine	2.566	79	288336	160.51	ppm	91
4) Aniline	4.195	93	383349	168.54	ppm #	1
6) bis(2-Chloroethyl)ether	4.225	63	178550	164.85	ppm	84
8) Phenol	4.154	94	322550	169.21	ppm	97
9) 2-Chlorophenol	4.284	128	271462	168.95	ppm	100
10) 1,3-Dichlorobenzene	4.395	146	300207	164.66	ppm	98
11) 1,4-Dichlorobenzene	4.437	146	314444	165.97	ppm	96
12) 1,2-Dichlorobenzene	4.590	146	285461	168.56	ppm	100
13) Benzyl alcohol	4.537	108	174167	168.75	ppm	95
14) bis(2-chloroisopropyl)...	4.660	45	305677	165.34	ppm	81
15) o-cresol	4.631	108	234170	169.51	ppm	81
16) Acetophenone	4.766	105	376289	164.36	ppm	100
17) Hexachloroethane	4.842	117	115747	163.46	ppm	92
18) N-Nitroso-di-n-propyla...	4.784	70	179357	167.09	ppm	85
19) m+p-cresols	4.754	108	516535	341.72	ppm	98
20) 4-methylphenol	4.754	108	516535	341.77	ppm	98
25) Nitrobenzene	4.913	77	286519	166.53	ppm	97
26) Isophorone	5.101	82	497277	174.68	ppm	98
27) 2-Nitrophenol	5.178	139	145555	179.85	ppm	98
28) 2,4-Dimethylphenol	5.190	107	264615	175.78	ppm	96
29) bis(2-Chloroethoxy)met...	5.278	93	294839	171.53	ppm	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.290	105	209388	205.77	ppm		92
31) 2,4-Dichlorophenol	5.366	162	232823	175.48	ppm		98
32) 1,2,4-Trichlorobenzene	5.448	180	254785	171.78	ppm		98
33) Naphthalene	5.501	128	803204	173.61	ppm		99
34) 2,6-Dichlorophenol	5.566	162	225612	170.97	ppm		96
35) 4-Chloroaniline	5.560	127	333729	174.11	ppm		100
36) Hexachlorobutadiene	5.648	225	155868	167.98	ppm		98
37) 4-Chloro-3-methylphenol	5.954	107	224748	175.57	ppm		99
38) 2-Methylnaphthalene	6.095	142	558643	171.89	ppm		95
39) 1-Methylnaphthalene	6.189	142	530263	167.35	ppm		95
40) 1,2,4,5-Tetrachloroben...	6.272	216	283132	163.68	ppm		100
44) Pentachloronitrobenzene	8.413	237	83018	174.28	ppm		98
45) Hexachlorocyclopentadiene	6.289	237	194667	177.40	ppm		98
46) 2,4,6-Trichlorophenol	6.354	196	179613	171.89	ppm		94
47) 2,4,5-Trichlorophenol	6.384	196	187671	170.16	ppm		96
49) 2-Chloronaphthalene	6.519	162	500046	165.28	ppm		96
50) Acenaphthylene	6.889	152	834518	170.14	ppm		100
51) Dimethylphthalate	6.807	163	583310	169.17	ppm		99
52) 2,4-Dinitrotoluene	7.231	165	182759	177.48	ppm		95
53) Acenaphthene	7.060	153	537854	169.40	ppm		99
54) 2,4-Dinitrophenol	7.089	184	97223	184.50	ppm		85
55) Dibenzofuran	7.201	168	756639	168.13	ppm		98
56) 2,6-Dinitrotoluene	6.872	165	138375	177.44	ppm	#	62
57) 4-Nitrophenol	7.131	65	118394	173.98	ppm		83
58) 2,3,4,6-Tetrachlorophenol	7.354	232	166949	178.41	ppm		98
59) Fluorene	7.531	166	616734	170.74	ppm		98
60) 4-Chlorophenyl-phenyle...	7.519	204	293229	165.61	ppm		96
61) Diethylphthalate	7.454	149	586849	171.12	ppm		97
62) 2-nitroaniline	6.625	138	170792	179.70	ppm		89
63) 3-nitroaniline	7.001	138	146154	171.81	ppm		95
64) 4-nitroaniline	7.578	138	146300	174.11	ppm		84
68) 4,6-Dinitro-2-methylph...	7.613	198	128568	188.37	ppm		100
69) n-Nitrosodiphenylamine	7.636	169	440260	172.06	ppm		99
70) 1,2-Diphenylhydrazine	7.672	77	564004	169.13	ppm		98
72) 4-Bromophenyl-phenylether	7.989	248	180393	170.06	ppm		97
73) Hexachlorobenzene	8.148	284	200255	166.40	ppm		99
74) Pentachlorophenol	8.325	266	141190	184.63	ppm		97
75) Phenanthrene	8.483	178	909636	171.50	ppm		98
76) Anthracene	8.530	178	938236	172.53	ppm		99
77) Carbazole	8.701	167	859533	178.17	ppm		99
78) Di-n-butylphthalate	9.119	149	1047691	180.04	ppm		100
79) Fluoranthene	9.783	202	986010	176.91	ppm		97
83) Benzidine	9.930	184	359721	198.04	ppm		99
84) Pyrene	10.042	202	1079071	175.03	ppm		97
86) 3,3-Dimethylbenzidine	10.789	212	452555	193.54	ppm		100
87) Butylbenzylphthalate	10.830	149	457121	180.38	ppm		95
88) 3,3'-Dichlorobenzidine	11.424	252	400871	194.66	ppm		97
89) Benzo[a]anthracene	11.436	228	980256	175.90	ppm		100
90) Chrysene	11.489	228	952946	171.35	ppm		99
91) bis(2-Ethylhexyl)phtha...	11.542	149	665537	190.68	ppm		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	1096487	206.25	ppm	99
94) Benzo[b]fluoranthene	12.660	252	1081845	182.24	ppm	98
95) Benzo[k]fluoranthene	12.683	252	1028774	177.16	ppm	98
96) Benzo[a]pyrene	13.001	252	962978	184.39	ppm	99
97) Indeno[1,2,3-cd]pyrene	14.342	276	1197113	183.49	ppm	96
98) Dibenz[a,h]anthracene	14.348	278	971298	184.52	ppm	99
99) Benzo[g,h,i]perylene	14.695	276	965112	177.29	ppm	97

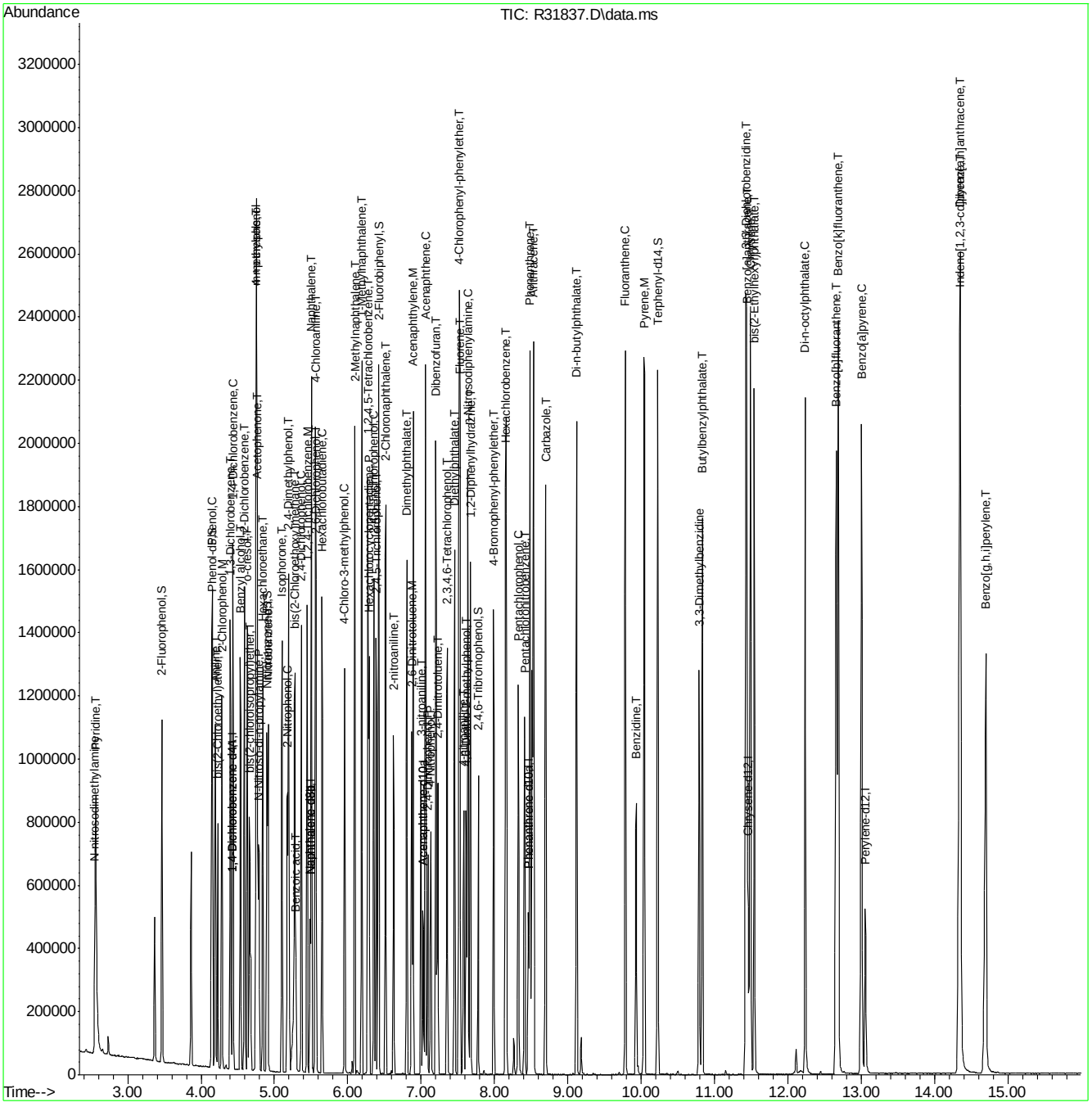
(#) = qualifier out of range (m) = manual integration (+) = signals summed

9.6.8
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Doug Yargeau
07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31839.D
Acq On : 28 Jun 2013 11:13 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 08 17:07:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:56:20 2013
Response via : Initial Calibration

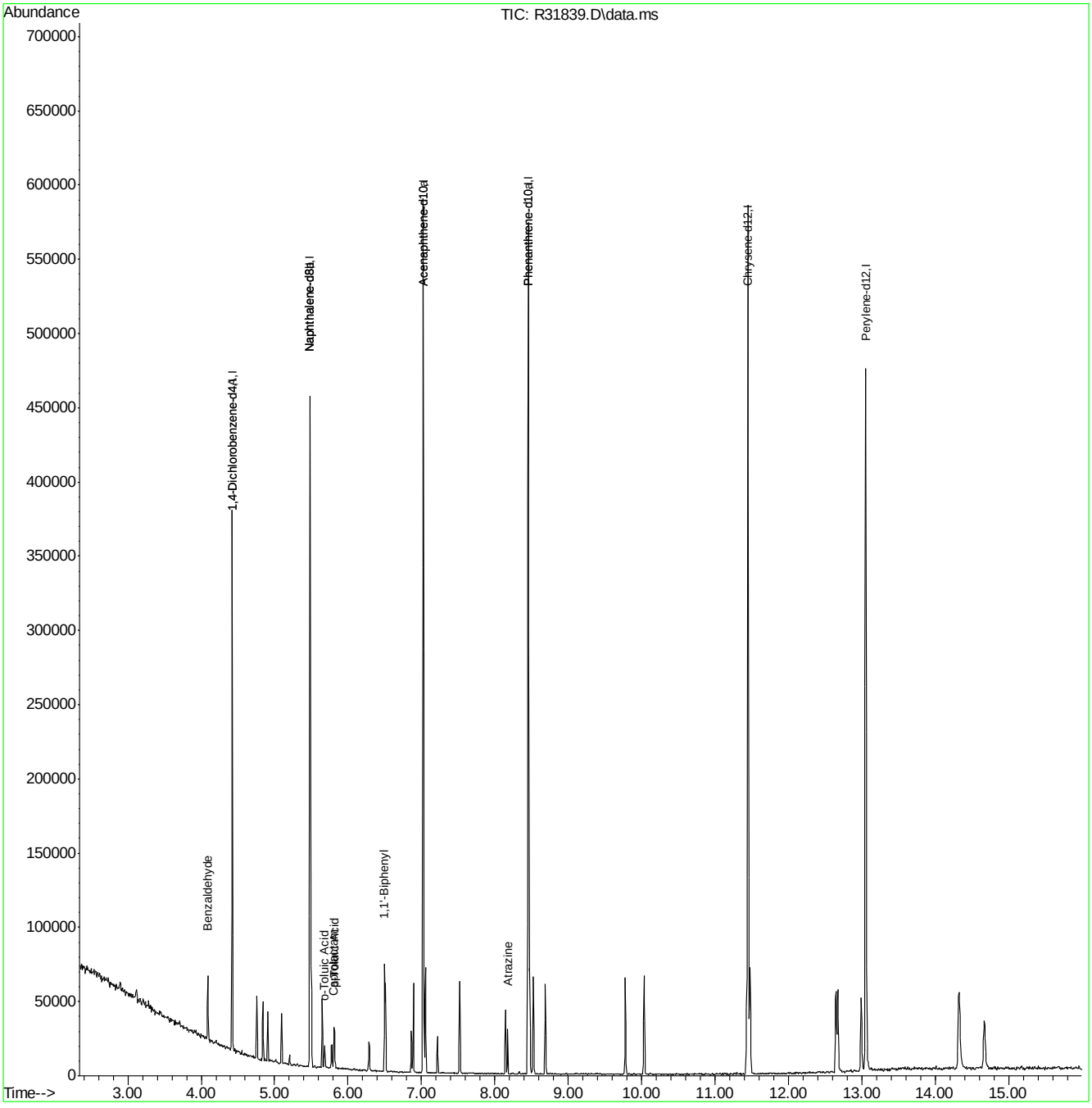
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	51755m	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	51769	40.00	PPM		0.00
23) Naphthalene-d8	5.478	136	185984m	40.00	ppm		0.00
41) Naphthalene-d8a	5.478	136	185981	40.00	ppm	#	0.00
43) Acenaphthene-d10	7.025	164	113905m	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	113927	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	203257m	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	202138	40.00	ppm		0.00
82) Chrysene-d12	11.448	240	217514m	40.00	ppm		0.00
92) Perylene-d12	13.054	264	214634m	40.00	ppm		0.00
100) Naphthalene-d8b	5.478	136	185989m	40.00	ug/mL		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
22) Benzaldehyde	4.090	77	5986m	4.51	ppm		
42) Caprolactam	5.807	55	2460	3.33	ppm	#	100
66) 1,1'-Biphenyl	6.495	154	20604	4.85	ppm	#	100
81) Atrazine	8.178	200	4006	3.69	ppm	#	100
101) o-Toluic Acid	5.678	118	2302m	2.57	ug/mL		
103) p-Toluic Acid	5.819	91	5443	3.49	ug/mL	#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31839.D
Acq On : 28 Jun 2013 11:13 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 08 17:07:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:56:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31840.D
Acq On : 28 Jun 2013 11:36 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 08 17:07:14 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:57:50 2013
Response via : Initial Calibration

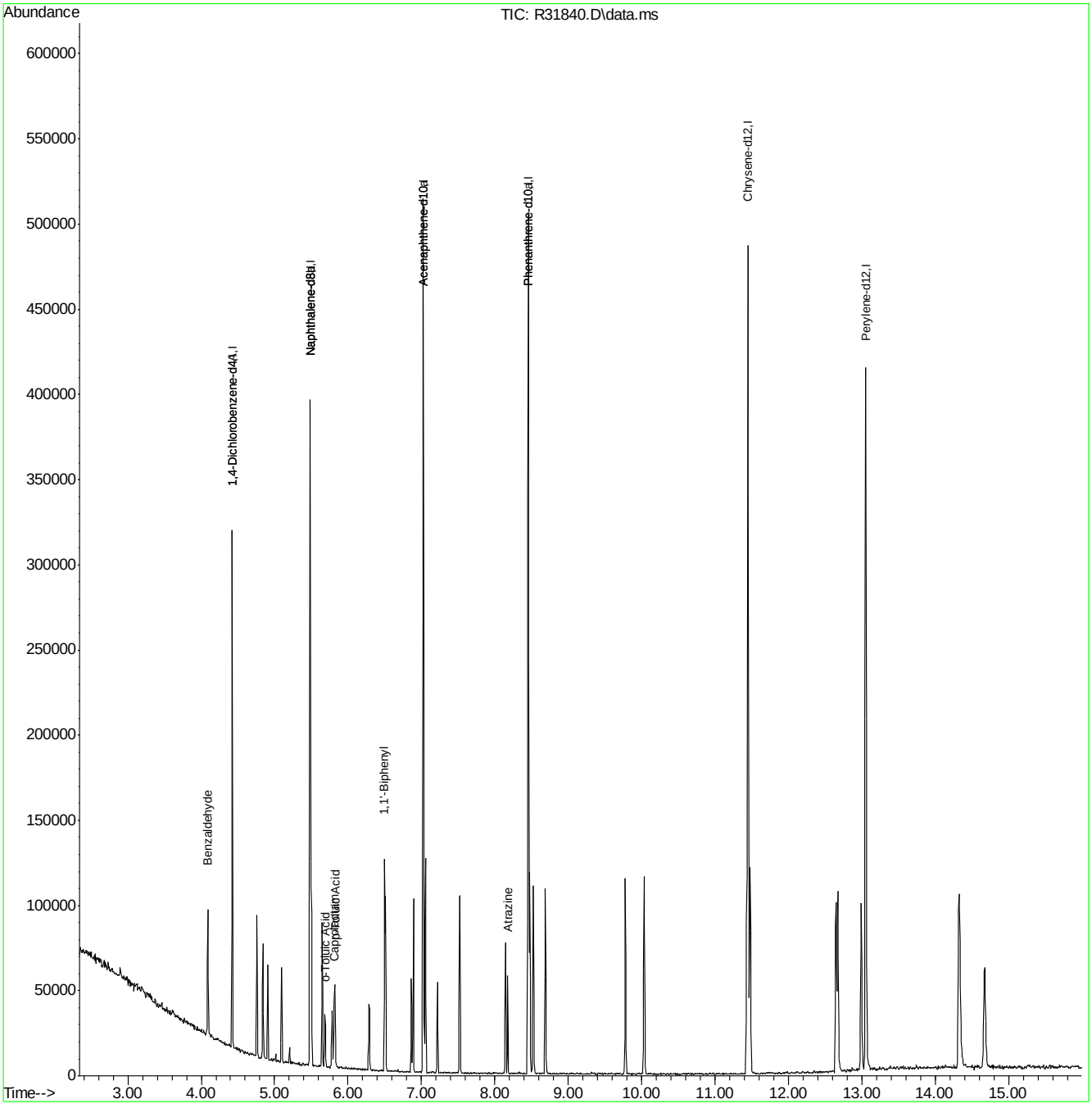
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	43065m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	43061	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	158287m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	158278	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	95549m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	95543	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	175803m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	174860	40.00	ppm	0.00
82) Chrysene-d12	11.448	240	186746m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	183518m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	158293m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	12205m	11.63	ppm	
42) Caprolactam	5.813	55	5213	9.96	ppm	# 100
66) 1,1'-Biphenyl	6.495	154	34137	9.73	ppm	# 100
81) Atrazine	8.178	200	7756	9.51	ppm	# 100
101) o-Toluic Acid	5.690	118	4927m	8.53	ug/mL	
103) p-Toluic Acid	5.825	91	11795	10.46	ug/mL	# 100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31840.D
Acq On : 28 Jun 2013 11:36 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 08 17:07:14 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:57:50 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31841.D
Acq On : 28 Jun 2013 11:59 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 08 17:07:54 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:58:44 2013
Response via : Initial Calibration

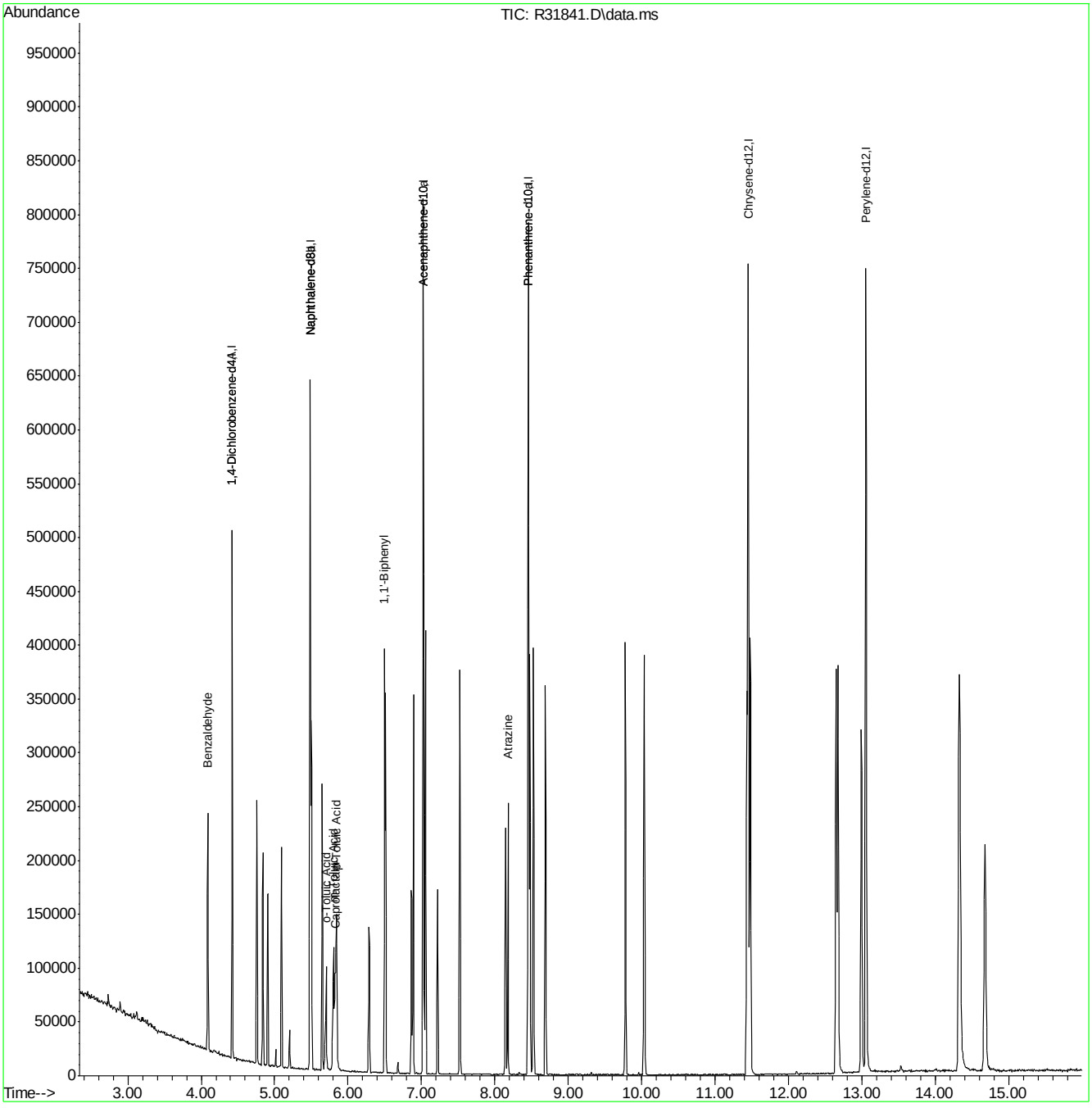
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.419	152	70121m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.419	152	70114	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	248909m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	248898	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	157195m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	157189	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	277532m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	275791	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	317196m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	311683m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	248932m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	35008m	19.43	ppm	
42) Caprolactam	5.825	55	18376	22.36	ppm	# 100
66) 1,1'-Biphenyl	6.495	154	109313	19.11	ppm	# 100
81) Atrazine	8.178	200	27375	21.64	ppm	# 100
101) o-Toluic Acid	5.701	118	19381m	22.43	ug/mL	
102) m-Toluic Acid	5.801	136	22150m	19.74	ug/mL	
103) p-Toluic Acid	5.842	91	38523	21.40	ug/mL#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31841.D
Acq On : 28 Jun 2013 11:59 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 08 17:07:54 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:58:44 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31842.D
Acq On : 29 Jun 2013 12:21 am
Operator : kristinr
Sample : IC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 08 17:08:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:56:09 2013
Response via : Initial Calibration

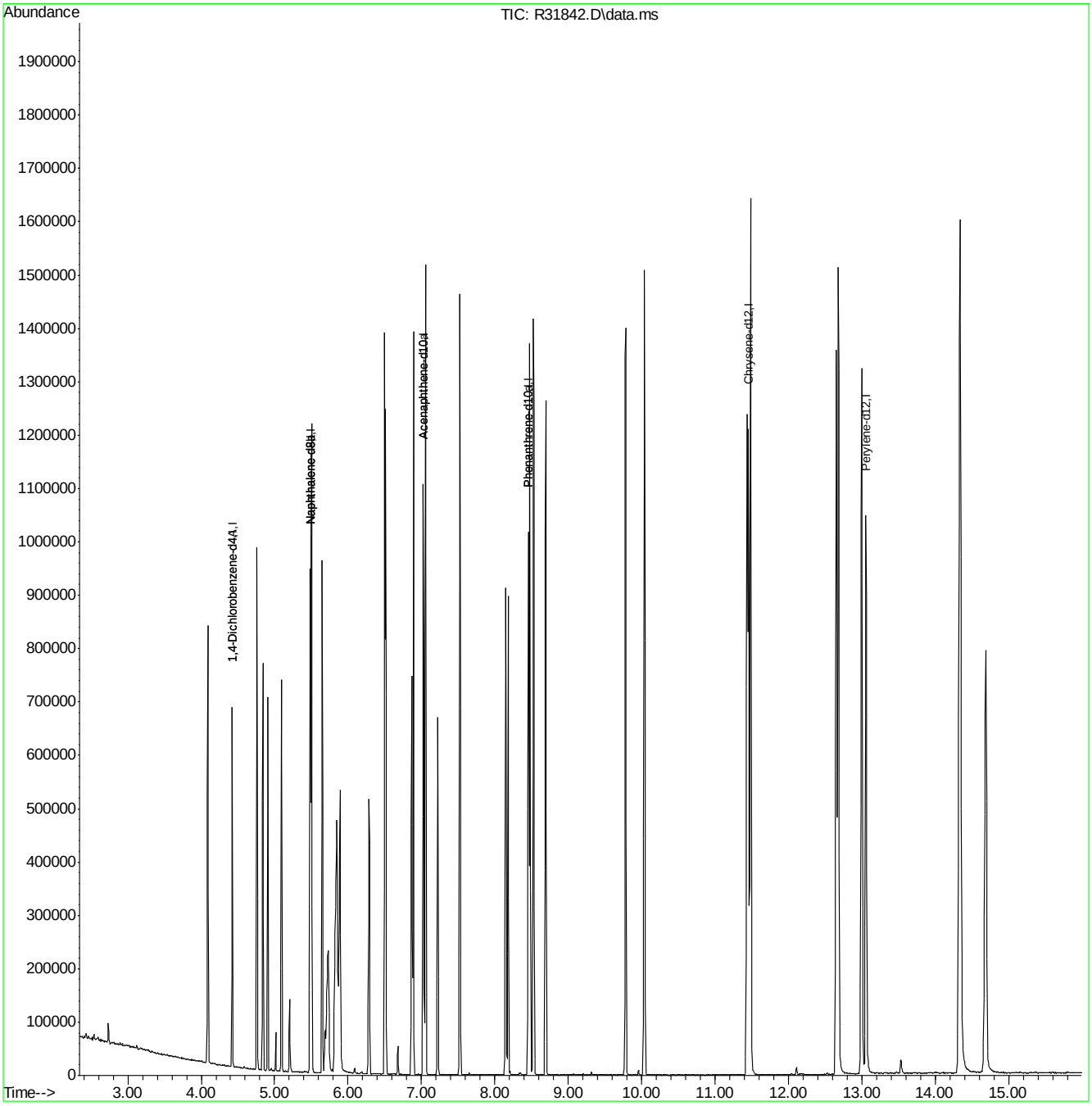
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	99665m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	99689	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	359948m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	359938	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	220423m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	220393	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	399652m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	397954	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	457283m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	457187m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	359814m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery = 0.00%#			
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery = 0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery = 0.00%#			
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery = 0.00%#			
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery = 0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31842.D
Acq On : 29 Jun 2013 12:21 am
Operator : kristinr
Sample : IC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 08 17:08:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:56:09 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31843.D
Acq On : 29 Jun 2013 12:45 am
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 08 17:08:37 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:00:42 2013
Response via : Initial Calibration

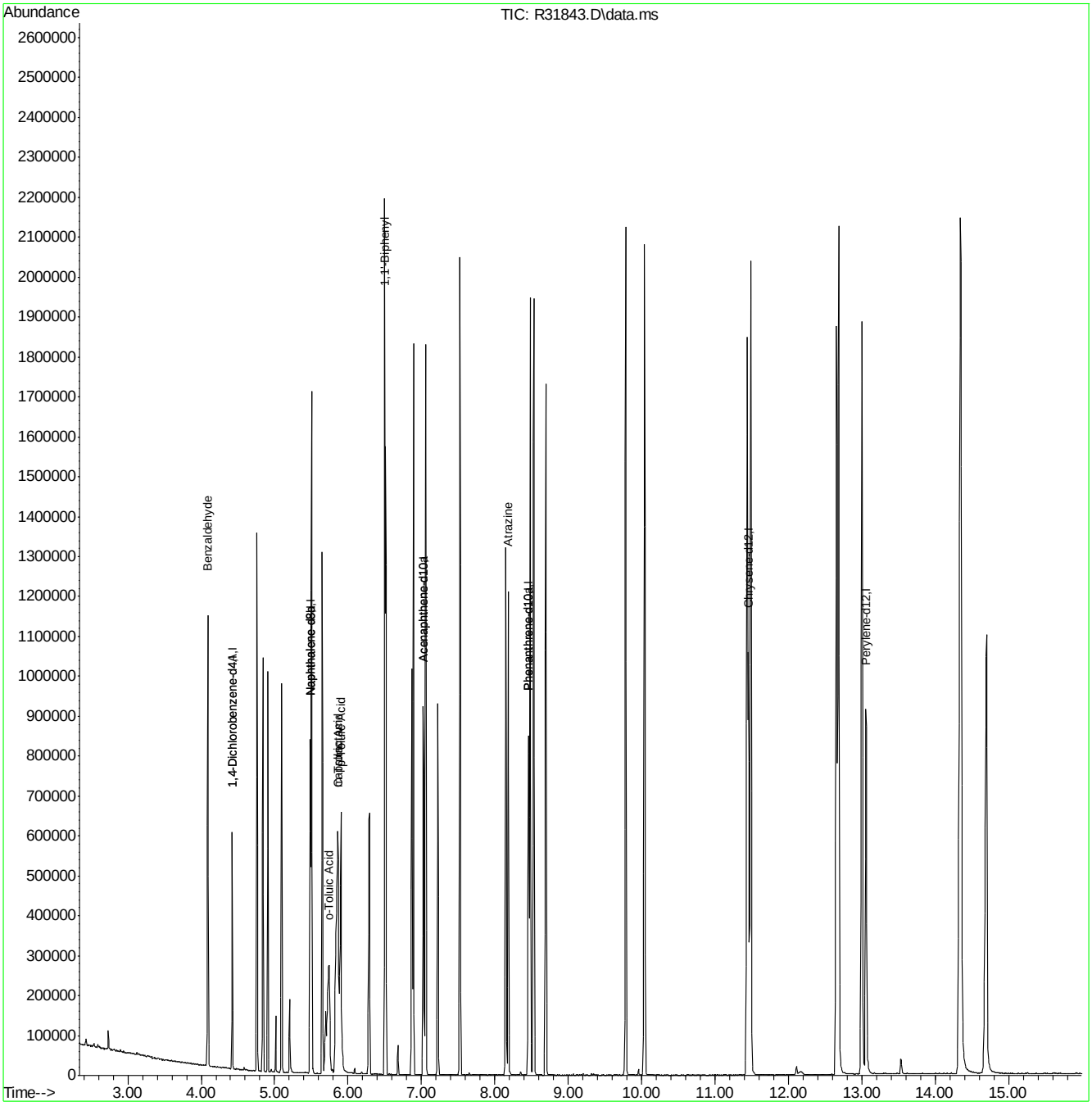
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	81660m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	81658	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	308277m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	308252	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	193654m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	193645	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	348848m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	347113	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	394970m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	393582m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	308242m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	168278m	80.76	ppm	
42) Caprolactam	5.860	55	96297m	91.89	ppm	
66) 1,1'-Biphenyl	6.501	154	566530	81.30	ppm #	100
81) Atrazine	8.183	200	147503	90.77	ppm #	100
101) o-Toluic Acid	5.742	118	125061m	113.45	ug/mL	
102) m-Toluic Acid	5.860	136	145492m	72.37	ug/mL	
103) p-Toluic Acid	5.907	91	194511m	85.77	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31843.D
Acq On : 29 Jun 2013 12:45 am
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 08 17:08:37 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:00:42 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31844.D
Acq On : 29 Jun 2013 1:08 am
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 08 17:09:01 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:02:34 2013
Response via : Initial Calibration

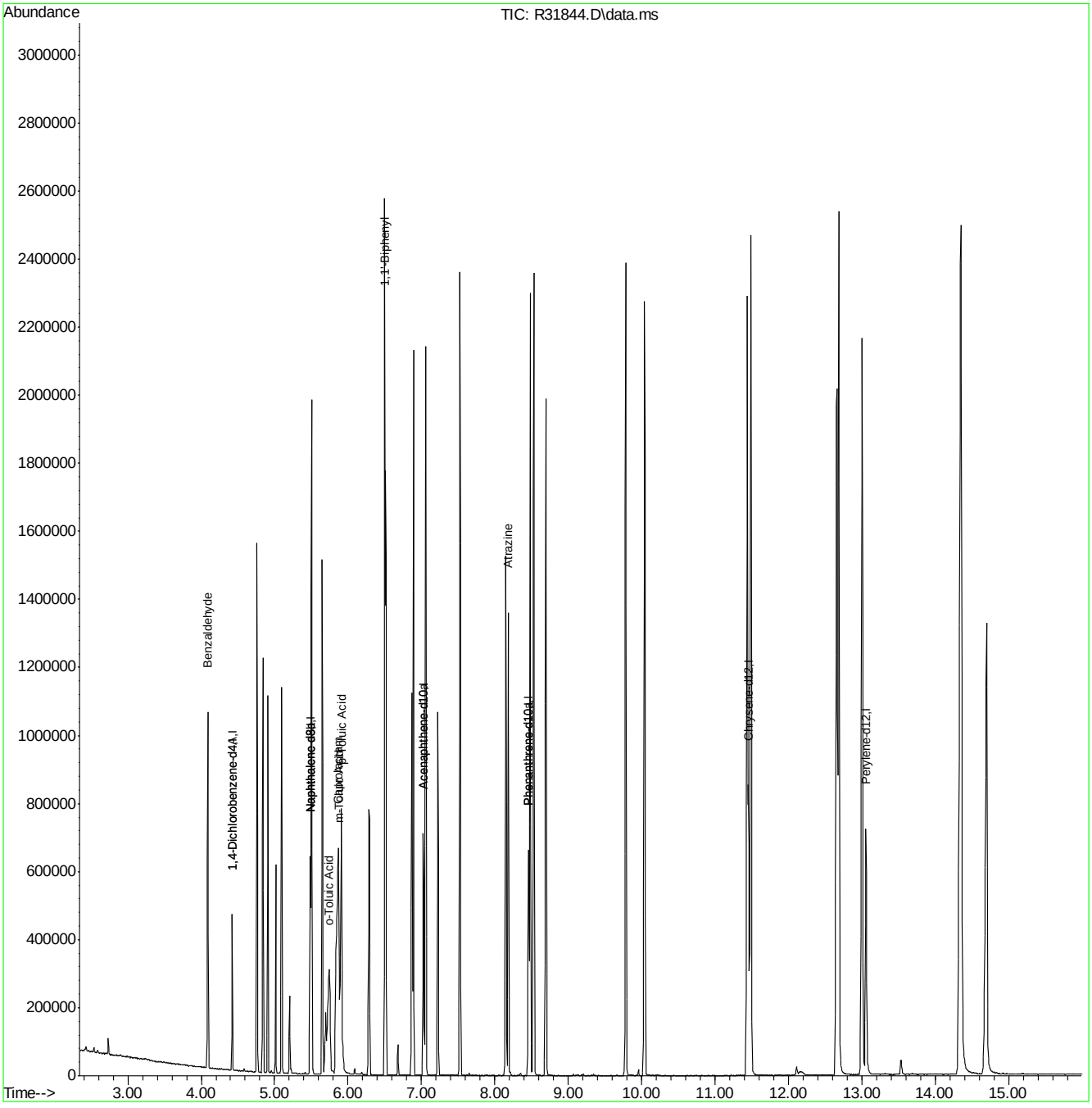
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	64215m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	64209	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	238587m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	238559	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	145572m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	145605	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	266422m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	265173	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	302539m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	297813m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	238559m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	155618m	94.80	ppm	
42) Caprolactam	5.866	55	115046m	137.76	ppm	
66) 1,1'-Biphenyl	6.501	154	658054	125.18	ppm #	100
81) Atrazine	8.184	200	168957	132.53	ppm #	100
101) o-Toluic Acid	5.742	118	148165m	160.27	ug/mL	
102) m-Toluic Acid	5.872	136	193444m	118.74	ug/mL	
103) p-Toluic Acid	5.913	91	228040m	128.08	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31844.D
Acq On : 29 Jun 2013 1:08 am
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 08 17:09:01 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:02:34 2013
Response via : Initial Calibration



R31845.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31845.D
Acq On : 29 Jun 2013 1:32 am
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 08 17:09:43 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:04:39 2013
Response via : Initial Calibration

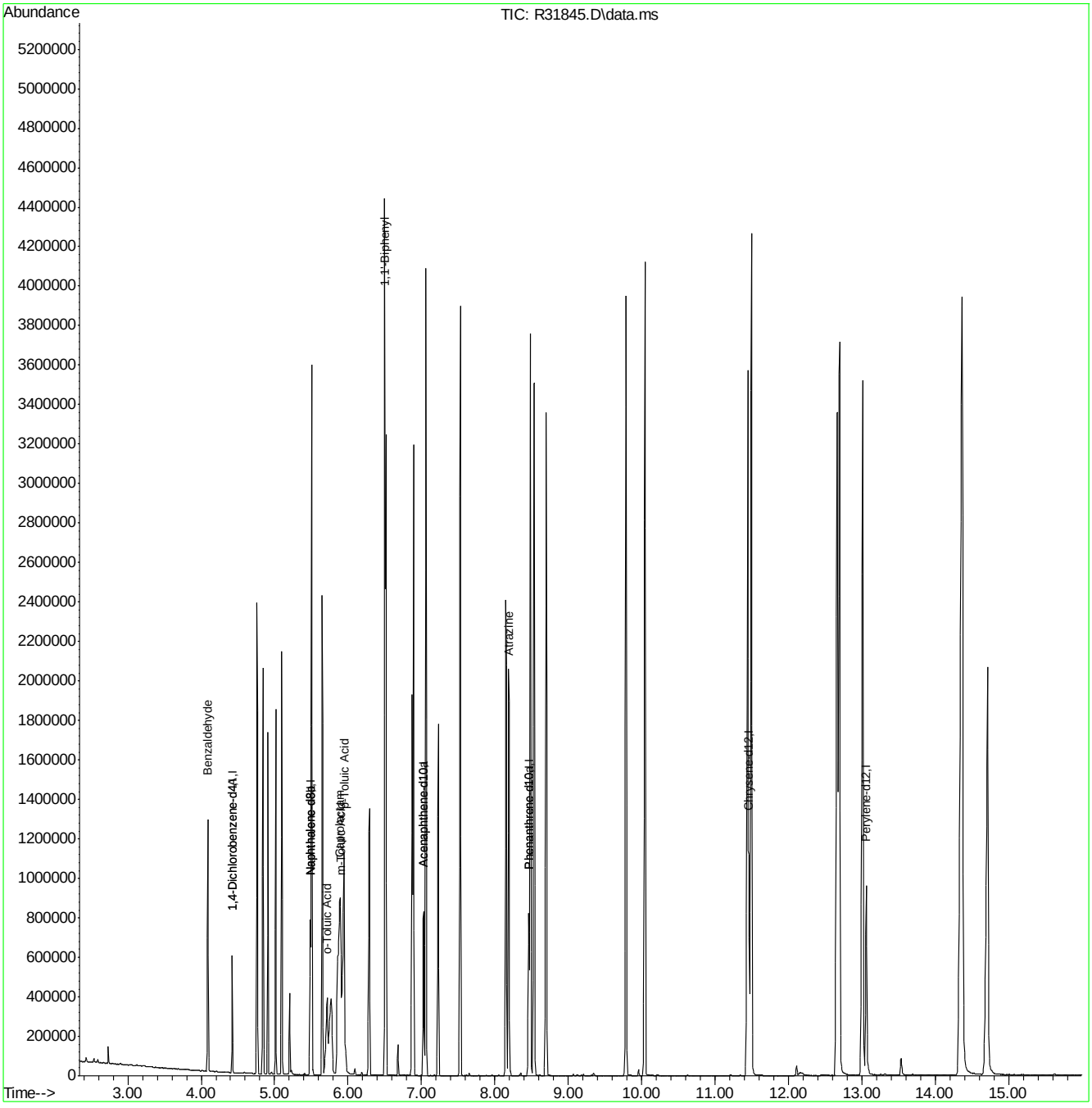
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	78085m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	78117	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	297117m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	297107	40.00	ppm	0.00
43) Acenaphthene-d10	7.031	164	188814m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.031	164	188789	40.00	ppm	0.00
67) Phenanthrene-d10	8.460	188	338778m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.460	188	337541	40.00	ppm	0.00
82) Chrysene-d12	11.460	240	388468m	40.00	ppm	0.00
92) Perylene-d12	13.060	264	386358m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	297107m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	195827m	98.06	ppm	
42) Caprolactam	5.884	55	195090m	163.84	ppm	
66) 1,1'-Biphenyl	6.501	154	1134425	165.25	ppm #	100
81) Atrazine	8.195	200	293647	177.86	ppm #	100
101) o-Toluic Acid	5.719	118	261477m	165.37	ug/mL	
102) m-Toluic Acid	5.901	136	331757m	153.09	ug/mL	
103) p-Toluic Acid	5.948	91	379240m	169.13	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31845.D
Acq On : 29 Jun 2013 1:32 am
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 08 17:09:43 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:04:39 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Doug Yargeau
07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	102428	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	102428	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	396436	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	396436	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	260777	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	260777	40.00	ppm		0.00
67) Phenanthrene-d10	8.460	188	461001	40.00	ppm		0.00
80) Phenanthrene-d10a	8.460	188	461001	40.00	ppm		0.00
82) Chrysene-d12	11.454	240	522330	40.00	ppm		0.00
92) Perylene-d12	13.060	264	497815	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	396436	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.466	112	162292	52.27	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 52.27%				
7) Phenol-d5	4.143	99	200950	51.11	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 51.11%				
24) Nitrobenzene-d5	4.890	82	181994	48.04	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 96.08%				
48) 2-Fluorobiphenyl	6.419	172	428486	49.39	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 98.78%				
71) 2,4,6-Tribromophenol	7.778	330	70554	51.08	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 51.08%				
85) Terphenyl-d14	10.225	244	557458	49.86	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 99.72%				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.554	74	98911	49.12	ug/l	#	81
3) Pyridine	2.566	79	162713	44.44	ppm		88
4) Aniline	4.190	93	210738	45.17	ppm	#	1
6) bis(2-Chloroethyl)ether	4.225	63	112249	50.67	ppm		90
8) Phenol	4.154	94	204234	52.21	ppm		98
9) 2-Chlorophenol	4.278	128	175569	53.26	ppm		96
10) 1,3-Dichlorobenzene	4.396	146	181775	48.76	ppm		98
11) 1,4-Dichlorobenzene	4.437	146	189184	48.78	ppm		97
12) 1,2-Dichlorobenzene	4.590	146	180024	51.83	ppm		98
13) Benzyl alcohol	4.537	108	106099	50.06	ppm		97
14) bis(2-chloroisopropyl)...	4.660	45	232887	61.57	ppm		79
15) o-cresol	4.631	108	148143	52.24	ppm		82
16) Acetophenone	4.760	105	232723	49.72	ppm		97
17) Hexachloroethane	4.843	117	72342	50.01	ppm		89
18) N-Nitroso-di-n-propyla...	4.778	70	117713	53.53	ppm		83
19) m+p-cresols	4.748	108	328647	105.81	ppm		99
20) 4-methylphenol	4.748	108	328647	105.83	ppm		99
22) Benzaldehyde	4.090	77	117515m	44.88	ppm		
25) Nitrobenzene	4.907	77	176054	46.03	ppm		95
26) Isophorone	5.095	82	301667	47.36	ppm		98
27) 2-Nitrophenol	5.172	139	89933	49.36	ppm		92
28) 2,4-Dimethylphenol	5.190	107	168483	49.90	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) bis(2-Chloroethoxy)met...	5.272	93	192217	50.04	ppm		98
30) Benzoic acid	5.272	105	136105	53.41	ppm		96
31) 2,4-Dichlorophenol	5.366	162	150620	50.62	ppm		100
32) 1,2,4-Trichlorobenzene	5.443	180	166612	50.32	ppm		98
33) Naphthalene	5.501	128	511298	49.44	ppm		99
34) 2,6-Dichlorophenol	5.566	162	145894	49.50	ppm		94
35) 4-Chloroaniline	5.554	127	167949	39.12	ppm		100
36) Hexachlorobutadiene	5.648	225	98872	47.87	ppm		96
37) 4-Chloro-3-methylphenol	5.960	107	144195	50.23	ppm		99
38) 2-Methylnaphthalene	6.090	142	343497	47.34	ppm		95
39) 1-Methylnaphthalene	6.184	142	339582	48.17	ppm		95
40) 1,2,4,5-Tetrachloroben...	6.272	216	179190	46.70	ppm		98
42) Caprolactam	5.831	55	74420	47.86	ppm	#	100
44) Pentachloronitrobenzene	8.407	237	52229	47.15	ppm		96
45) Hexachlorocyclopentadiene	6.290	237	61559	24.11	ppm		99
46) 2,4,6-Trichlorophenol	6.354	196	120111	49.64	ppm		97
47) 2,4,5-Trichlorophenol	6.390	196	131241	51.47	ppm		98
49) 2-Chloronaphthalene	6.513	162	347577	49.93	ppm		96
50) Acenaphthylene	6.889	152	558012m	49.26	ppm		
51) Dimethylphthalate	6.807	163	383077	48.14	ppm		99
52) 2,4-Dinitrotoluene	7.225	165	126189	52.66	ppm		98
53) Acenaphthene	7.054	153	359375	49.04	ppm		99
54) 2,4-Dinitrophenol	7.084	184	62344	50.10	ppm		91
55) Dibenzofuran	7.201	168	486232	46.86	ppm		99
56) 2,6-Dinitrotoluene	6.866	165	89759	49.46	ppm		73
57) 4-Nitrophenol	7.131	65	75053	47.44	ppm		87
58) 2,3,4,6-Tetrachlorophenol	7.354	232	109848	50.40	ppm		99
59) Fluorene	7.525	166	421393	50.49	ppm		99
60) 4-Chlorophenyl-phenyle...	7.513	204	203060	49.83	ppm		90
61) Diethylphthalate	7.454	149	407241	51.38	ppm		98
62) 2-nitroaniline	6.625	138	111580	50.35	ppm		92
63) 3-nitroaniline	6.995	138	74182	37.60	ppm		94
64) 4-nitroaniline	7.572	138	93866	48.05	ppm		86
66) 1,1'-Biphenyl	6.501	154	439270	46.11	ppm	#	100
68) 4,6-Dinitro-2-methylph...	7.613	198	89921	52.04	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	289409	48.15	ppm		98
70) 1,2-Diphenylhydrazine	7.666	77	374751	47.95	ppm		98
72) 4-Bromophenyl-phenylether	7.989	248	117706	47.31	ppm		98
73) Hexachlorobenzene	8.148	284	142551	50.65	ppm		98
74) Pentachlorophenol	8.325	266	92571	50.72	ppm		100
75) Phenanthrene	8.483	178	617835	49.61	ppm		99
76) Anthracene	8.531	178	616762	48.26	ppm		99
77) Carbazole	8.695	167	581297	51.05	ppm		99
78) Di-n-butylphthalate	9.119	149	687192	49.85	ppm		100
79) Fluoranthene	9.783	202	704215	53.59	ppm		99
81) Atrazine	8.184	200	120641m	53.50	ppm		
83) Benzidine	9.925	184	288266	60.27	ppm		99
84) Pyrene	10.036	202	729336	48.86	ppm		99
87) Butylbenzylphthalate	10.830	149	307300	49.76	ppm		96
88) 3,3'-Dichlorobenzidine	11.419	252	193426	35.70	ppm		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

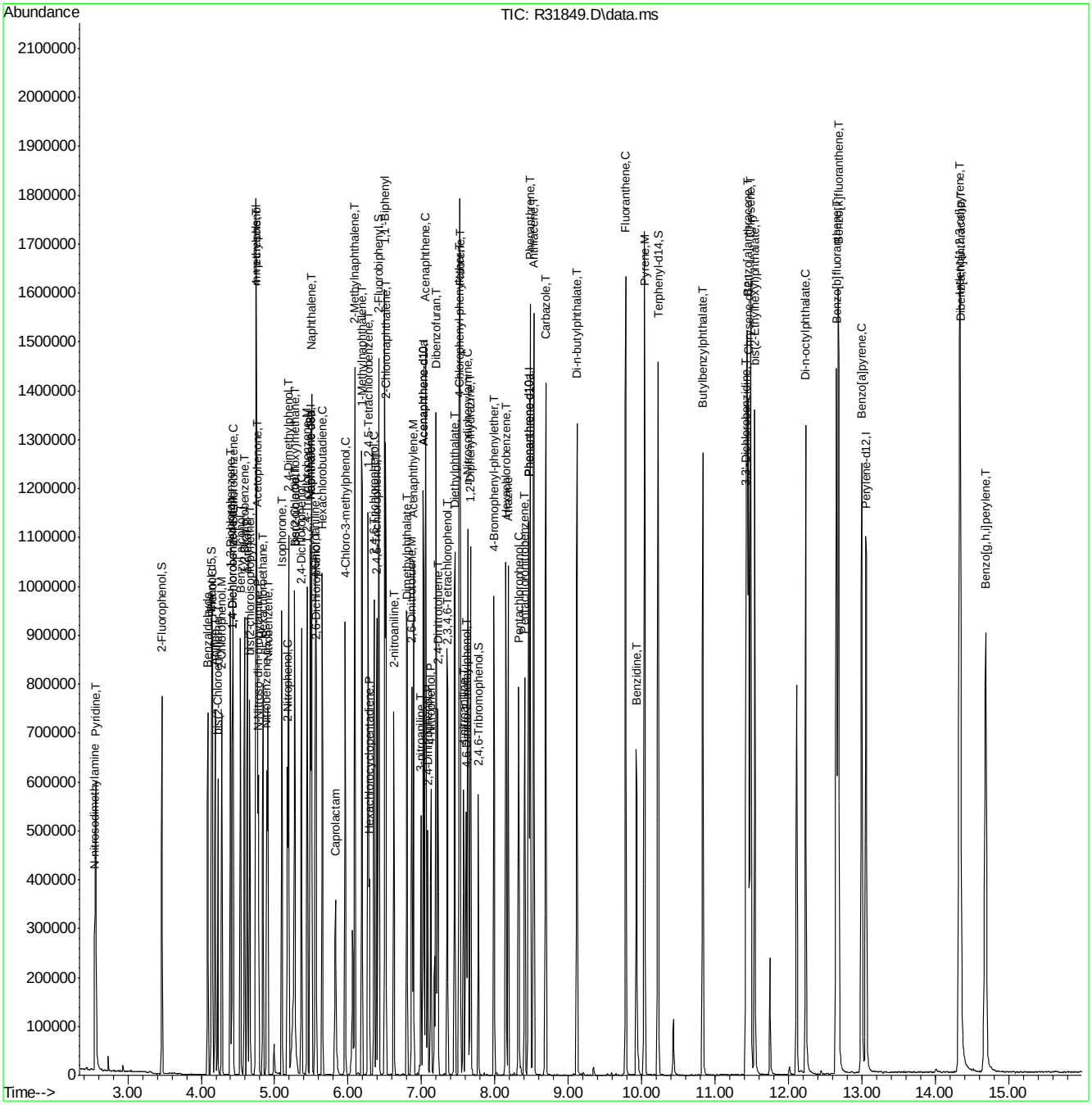
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89)	Benzo[a]anthracene	11.436	228	717890	53.16	ppm	98
90)	Chrysene	11.483	228	663099	49.38	ppm	99
91)	bis(2-Ethylhexyl)phtha...	11.542	149	455136	49.31	ppm	100
93)	Di-n-octylphthalate	12.230	149	771729	52.01	ppm	99
94)	Benzo[b]fluoranthene	12.654	252	726188	50.90	ppm	98
95)	Benzo[k]fluoranthene	12.677	252	726398	52.25	ppm	98
96)	Benzo[a]pyrene	12.995	252	600680	47.78	ppm	98
97)	Indeno[1,2,3-cd]pyrene	14.330	276	791853	50.45	ppm	91
98)	Dibenz[a,h]anthracene	14.342	278	639524	50.46	ppm	98
99)	Benzo[g,h,i]perylene	14.683	276	657776	50.47	ppm	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Kristin Renault
09/12/13 07:54

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\R130910\
Data File : R33451.D
Acq On : 10 Sep 2013 8:13 am
Operator : kristinr
Sample : CC1159-50
Misc : OP34233,MSR1218,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Sep 11 11:21:53 2013
Quant Method : W:\1\methods\R130628_8270PAH.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.001	152	56406	40.00	ppm	-0.12
2) Naphthalene-d8	5.054	136	208881	40.00	ppm	-0.12
7) Acenaphthene-d10	6.572	164	126569	40.00	ppm	-0.13
13) Phenanthrene-d10	7.948	188	220388	40.00	ppm	-0.15
18) Chrysene-d12	10.889	240	238566	40.00	ppm	-0.16
23) Perylene-d12	12.471	264	228762	40.00	ppm	-0.17
System Monitoring Compounds						
3) Nitrobenzene-d5	4.472	82	83995	42.08	ppm	-0.14
Spiked Amount 50.000	Range 30 - 130		Recovery = 84.16%			
8) 2-Fluorobiphenyl	5.989	172	198717	47.20	ppm	-0.13
Spiked Amount 50.000	Range 30 - 130		Recovery = 94.40%			
20) Terphenyl-d14	9.683	244	244952	47.96	ppm	-0.18
Spiked Amount 50.000	Range 30 - 130		Recovery = 95.92%			
Target Compounds						Qvalue
4) Naphthalene	5.066	128	246862	45.30	ppm	99
5) 2-Methylnaphthalene	5.654	142	173149	45.29	ppm	97
6) 1-Methylnaphthalene	5.654	142	173149	46.62	ppm	94
9) Acenaphthylene	6.442	152	254988	46.38	ppm	99
10) Acenaphthene	6.601	153	160276	45.06	ppm	97
11) Dibenzofuran	6.742	168	240484	47.75	ppm	95
12) Fluorene	7.054	166	187559	46.30	ppm	96
14) Phenanthrene	7.972	178	278635	46.80	ppm	99
15) Anthracene	8.019	178	287598	47.08	ppm	100
16) Carbazole	8.189	167	265839	48.84	ppm	100
17) Fluoranthene	9.242	202	304823	48.52	ppm	99
19) Pyrene	9.483	202	320660	47.03	ppm	93
21) Benzo[a]anthracene	10.872	228	290593	47.12	ppm	96
22) Chrysene	10.919	228	294550	48.03	ppm	98
24) Benzo[b]fluoranthene	12.083	252	325358	49.62	ppm	99
25) Benzo[k]fluoranthene	12.107	252	276583	43.29	ppm	98
26) Benzo[a]pyrene	12.413	252	283443	49.06	ppm	98
27) Indeno[1,2,3-cd]pyrene	13.560	276	343162	47.58	ppm	100
28) Dibenz[a,h]anthracene	13.571	278	282982m	48.59	ppm	
29) Benzo[g,h,i]perylene	13.848	276	295717m	49.37	ppm	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

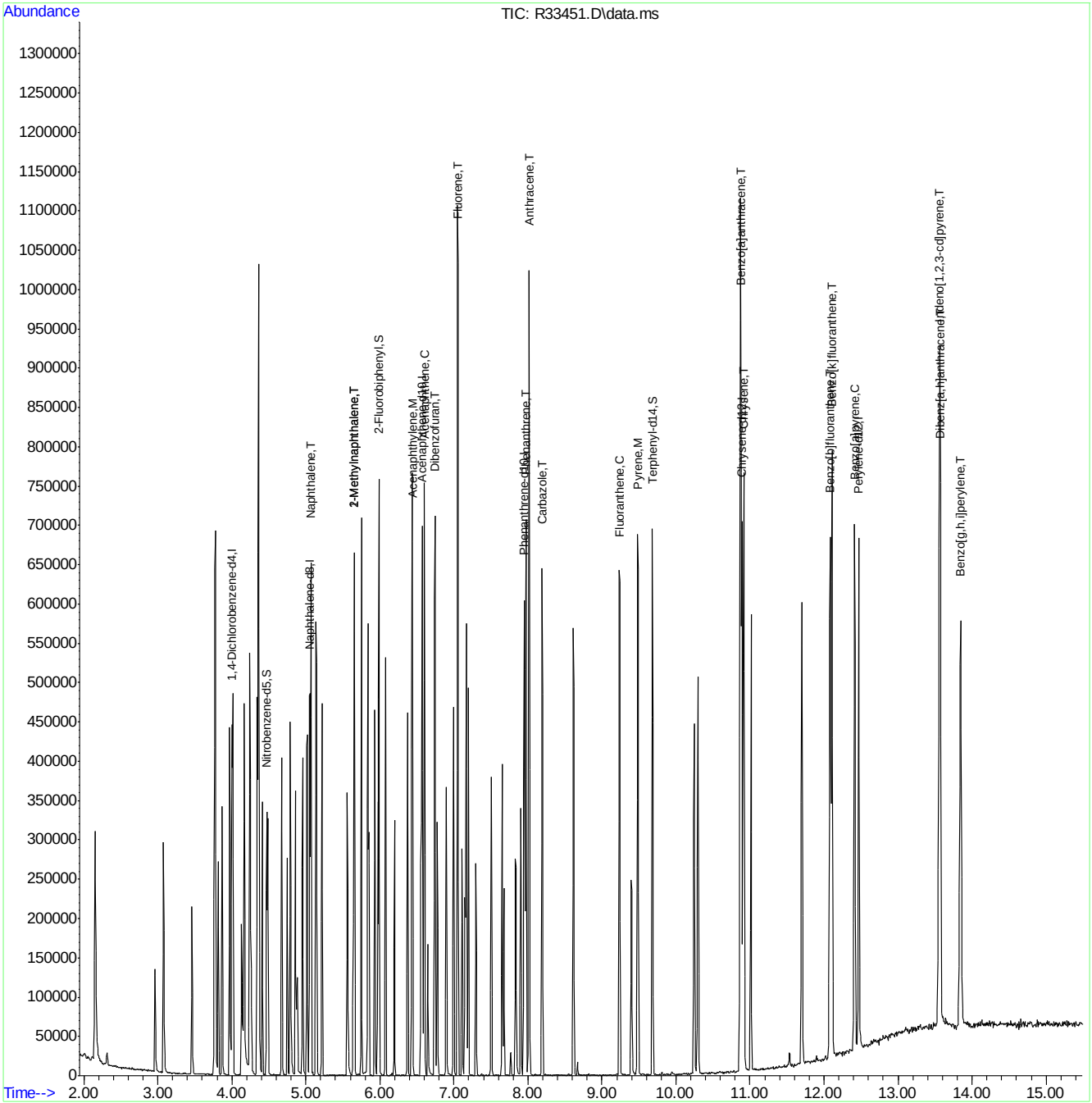
9.6.17

6

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\R130910\
Data File : R33451.D
Acq On : 10 Sep 2013 8:13 am
Operator : kristinr
Sample : CC1159-50
Misc : OP34233,MSR1218,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Sep 11 11:21:53 2013
Quant Method : W:\1\methods\R130628_8270PAH.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 09/12/13 07:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33452.D
Acq On : 10 Sep 2013 8:35 am
Operator : kristinr
Sample : CC1159-50, tcl42
Misc : OP34233,MSR1218,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Sep 10 08:54:46 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

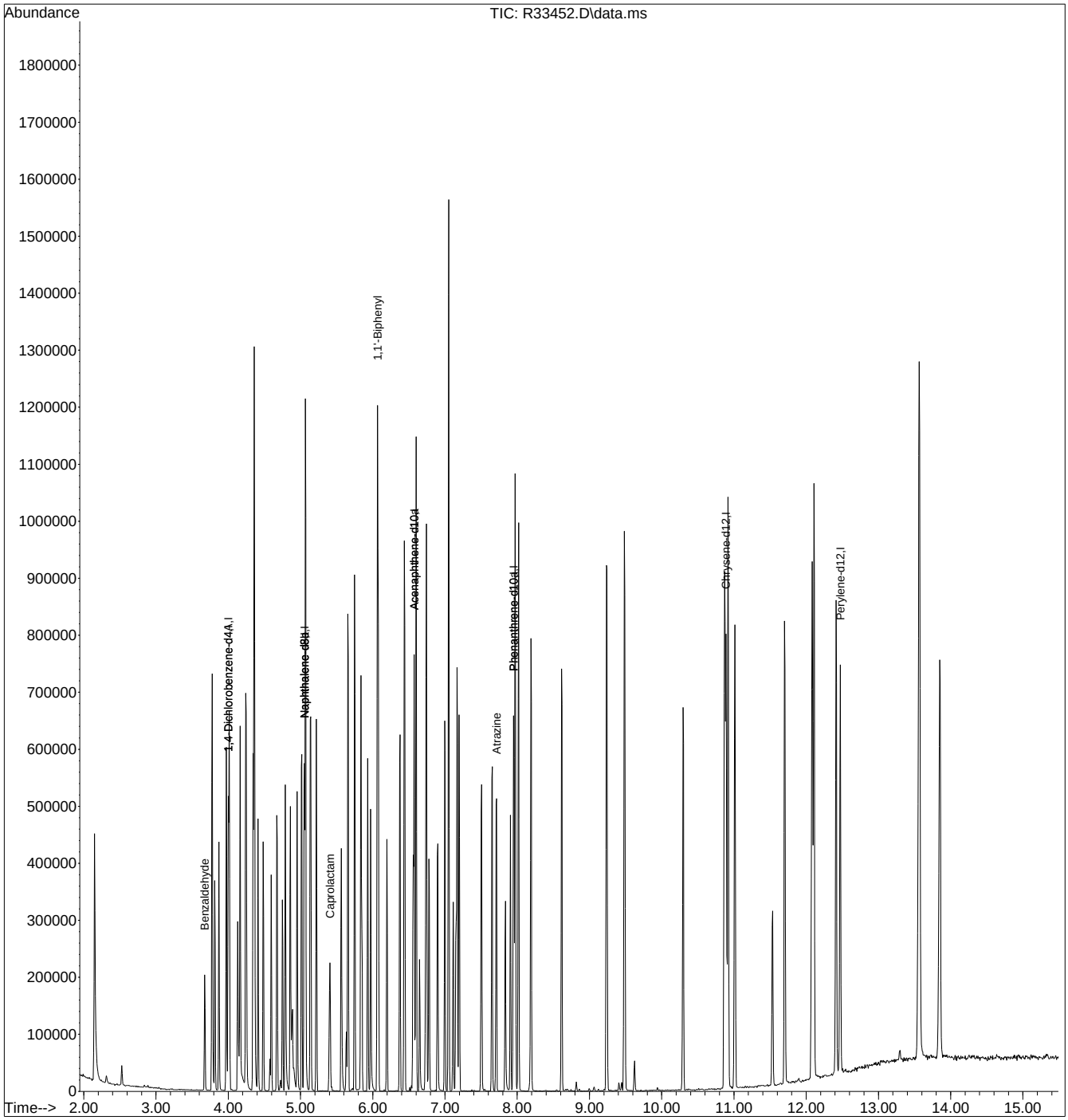
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.001	152	64999	40.00	ppm	-0.10
21) 1,4-Dichlorobenzene-d4A	4.001	152	64999	40.00	PPM	-0.10
23) Naphthalene-d8	5.054	136	237700	40.00	ppm	-0.10
41) Naphthalene-d8a	5.054	136	237700	40.00	ppm	-0.10
43) Acenaphthene-d10	6.572	164	146513	40.00	ppm	-0.11
65) Acenaphthene-d10a	6.572	164	146513	40.00	ppm	-0.11
67) Phenanthrene-d10	7.948	188	255148	40.00	ppm	-0.12
80) Phenanthrene-d10a	7.948	188	255148	40.00	ppm	-0.12
82) Chrysene-d12	10.889	240	278891	40.00	ppm	-0.14
92) Perylene-d12	12.471	264	270253	40.00	ppm	-0.14
100) Naphthalene-d8b	5.054	136	237700	40.00	ug/mL	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	3.672	77	86151m	53.72	ppm	
42) Caprolactam	5.407	55	46066m	49.36	ppm	
66) 1,1'-Biphenyl	6.066	154	286642	53.55	ppm	# 100
81) Atrazine	7.713	200	66941m	53.64	ppm	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130910\
Data File : R33452.D
Acq On : 10 Sep 2013 8:35 am
Operator : kristinr
Sample : CC1159-50, tcl42
Misc : OP34233,MSR1218,,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Sep 10 08:54:46 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24064

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 06/28/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 µg/mL
MSS1625	AB8270 Cal. Std.	2:160
MSS1560	↓	5:160
MSS1594H	AB8270 Int. Std.	4000

Column Information: Front RTX ZB-5MS; 7/9/13 MR

Rear N/A

Sequence File: ~~1~~ R130628.s 7/9/13 MR

Quantitation Methods: DFTPP.M

R130628_8270+.M

Instrument Run Batches: MSR1159

Inj. Vol:

Data Acquisition Methods: R8270FAST.M Inj. Vol: 1

ICAL verified:

Sequence verified: 6/28/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98 X	R31828	BLK	N/A		N/A	N/A	N/A	*R31826-R31827
99 X	29	DFTPP	↓		↓	↓	↓	are blanks
100 X	30	ICC1159-50						
1 X	31	IC1159-2	MSS1625					
2 X	32	5						
3 X	33	10						
4 X	34	20						
5 X	35	80						
6 X	36	120						
7 X	37	160	↓					
98 X	38	BLK	N/A					
8 X	39	IC1159-5	MSS1560					
9 X	R31840	10						
10 X	41	20						
11 X	42	50						
12 X	43	80						
13 X	44	120						
14 X	45	160	↓		↓	↓	↓	

6/28/13 MR

MS002-04

Date: 8/29/06 Dilution Solvent: N/A Lot: N/A **Review:**

ACCUTEST LABORATORIES MC24064

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 07/01/2013 **Analyst Signature:** KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 ng/mL
MSS1625	AB8270 Cal. Std.	50
MSS1560	↓	50
MSS159411	AB8270 Int. Std.	4000

Column Information: Front ZB-5MSi
Rear N/A
Sequence File: R130701.S
Quantitation Methods: R130628_B270+.M
DFTPP.M
Instrument Run Batches: MSR11600 MSR11601
Inj. Vol:
Data Acquisition Methods: R8270FAST.M Inj. Vol: 1

ICAL verified: Sequence verified: 7/2/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98 X	R131846	BLK	N/A		N/A	N/A	N/A	
99 X	47	DFTPP	↓		↓	↓	↓	
100 X	48	CC1159-50						
100 X	49	ICV1159-50	↓		leached fluid			
1 X	50	MC21245-4R	OP33792		↓			
2 X	51	↓ -7R	↓					
3 X	52	↓ -8R						
4 X	53	OP33792-BSD						
5 X	54	MC22172-1						2 acid surr < 10% ✓
6 X	55	↓ -2						↳ Re-extract
7 X	56	↓ -3						
8 X	57	MC22237-1						
9 X	58	MC22240-1			↓			
10 X	59	OP33818-MB	OP33818		SOIL			
11 X	R131860	↓ BS	↓		↓			
12 X	61	MC22229-5	↓					
13 X	62	↓ -6						
100 X	63	AP 9 TEST	N/A		N/A			
14 X	64	MC22229-20	OP33818		SOIL			
15 X	65	MC22279-6	↓		↓			
99	66	DFTPP	N/A		N/A			
100	67	CC1155-50						AP-9
100	68	CC1159-50						Toluic
100	69	CC1159-50	↓		↓			
1 X	R131870	MC21245-4R	OP33792		leached fluid			
2 X	71	↓ -7R	↓					
3 X	72	↓ -8R	↓					
4 X	73	OP33792-BSD	OP33792					
5	74	MC22172-1						
6	75	↓ -2						
7	76	↓ -3						7/1/13
8	77	MC22237-1	↓		↓	↓	↓	MR

MS002-04
Date: 8/29/06 Dilution Solvent: N/A Lot: N/A **Review:**

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 07/01/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
	Refer to	
	Page 20	

Column Information: Front

Rear

Sequence File: Refer to

Quantitation Methods: Page 20

Instrument Run Batches:

Data Acquisition Methods: Inj. Vol:

Inj. Vol:

ICAL verified:

Sequence verified: 7/2/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
9	RX31878	MC22240-1	OP33792		leachate	N/A	N/A	
10	79	OP33818-MB	OP33818		SOIL			
11	RX31880	BS						
12	81	MC22229-5						
13	82	-6						
14	83	-20						
15	84	MC22279-6						
16	85	OP33825-MB	OP33825		SOIL			
17	86	JB40714-5	OP33773					
18	87	-7						
19	88	-8						
20	89	-9						
21	RX31890	-10						
22	91	-11						
23	92	-12						
24	93	JB40712-6A						
25	94	-7A						
26	95	-8A						
98	96	BLK	N/A		N/A			
98	97							
98	98							
98	99							

7/1/13 MR

MS002-04

Date: 8/29/06

Dilution Solvent: N/A

Lot: N/A

Review:

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 09/10/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 µg/mL
MSS16025	AB8270 Cal.Std.	50
MSS16602	Cal.Std.	50
MSS1594L	Int.std.	4000

Column Information: Front ZB-5MSi

Rear N/A

Sequence File: B130910.S

Quantitation Methods: DFTPP.M

B130628-8270+.M

Instrument Run Batches: MSR1218

Inj. Vol:

Data Acquisition Methods: B8270FAST.M Inj. Vol: 1µL

ICAL verified:

Sequence verified: 9/12/13 KR

Vial #		Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98	X	R33449	Blank	N/A		N/A	N/A	N/A	
99	X	R33450	DFTPP						
100	X	1	CC1159-50						
100	X	2	CC1159-50						TCL42
1	X	3	OP34724-MB	OP34724	+TIC	SOIL			
2	X	4	-BS						
3	X	5	-MS						
4	X	6	-MSD						
5	X	7	MC24047-1						
6	X	8	MC24023-2		+TIC		5X		
7	X	9	-5				N/A		
8	X	R33460	-7						
9	X	1	MC24064-1						
10		2	MC24125-1						
11		3	-2						
12		4	MC24126-1						
13		5	-3						
14		6	MC24054-1						
15		7	-2						
16		8	-3						
17		9	-4						
18	X	R33470	MC23888-23	OP34622			10X		
19	X	1	-27						
20	X	2	MC23987-3	OP34658		AQ	20X		
98	X	R33473-16	Blank	N/A		N/A	N/A		
									9/12/2013 KR

MS002-04

Date: 8/29/06 Dilution Solvent: B+J DCM Lot: D1997 **Review:**

ACCUTEST LABORATORIES MC24064

ACCUTEST LABORATORIES

Approximate Gram weight equals +/- 0.5g

Extracted by: BJ, AZ
Spike Witness: AZ
Concentrated by: RE 9/9/2013
Fractionated by:

Date/Time: 9/5/13 1300
Date/Time:
Batch: OP34724 (PB) OP34725 (SIM)
Matrix: **Soil/Solid**; Sand Lot:
Analysis Method: 8270Reg, TCL, TCL42+, STD
Waste Dilution: SW3580 1 Micro. SW 3546 8270SIM PAH

Extraction Method: ASE #1 SW 3545A | ASE #2 SW 3545A | ASE #3 SW3545A | ASE # 4 SW3545A | Sonicate SW3550B
Soxhlet: SW 3540C

	Sample	Bottle No.	ASE Position	Initial Weight (g)	Final Volume (ml)	**Cleanup/Comments (3660B, 3630, 3665, other)	Received by: Date:
1	OP34 -MB	N/A	N/A	20.21	1mL	AB, SIM	
2	-BS	↓		20.66			
3	MC24047-1 MS	3		20.45			
4	-1 MSD	↓		20.19			
5	-1	↓		20.39			
6	MC24023-2	2		20.50		AB, Rocks, Sludge	
7	-5	↓		20.72		, Rocks, clay	
8	-7	↓		20.58		↓ ↓	
9	MC24064-1	2		20.46			
10	MC24125-1	1		20.90			
11	-2	↓		20.25			
12	MC24126-1	↓		20.55			
13	-3	↓		20.79			
14	MC24054-1	↓		20.14			
15	-2	↓		20.34			
16	-3	↓		20.31			
17	-4	↓		20.49			
18	MC24074-13	↓		20.13		SIM	
19	-14	↓		20.48		↓	
20	-15	↓		20.33			
21	-16	↓		20.57			
22							
23							
24							
25							

Fraction	Bottle #	Lot #	Concentration	Volume
Surrogate: ABN	1	PO 6959	500 µg/mL	100µL
Surrogate:				
Spike: Acid	1	PO 6961	500 µg/mL	100µL
Spike: BN	2	PO 6940	500 µg/mL	100µL
Spike: CAS 8293	8	PO 6816	2000 µg/mL	25µL
Spike: Toluene				
Spike:				
Hexane Frac. Volume:	NA	NA	NA	
Soxhlet Start/Stop Date/Time:		Filter Paper Lot #	FC 005823	

H2SO4 Lot #	
Ether:	
MeCl2:	DI 997
Hexane:	
MeCl2/Acetone:	
Acetone:	133706
Acetonitrile:	
Na Sulfate Lot #:	B763
Silica Lot #:	
SPE MFG/Lot #:	
Copper:	
Hydromatrix:	
Florisil:	OP-14-19
Sand Lot #:	

Balance ID: 8
Water Bath Temp: 40°C Water Bath ID: 70-21
Laboratory Percent Humidity:

*Note volume of extract: N = Normal, L = Low
Reviewed by:
Tray #: MS-6

** Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup; 3620 = Florisil
**For Soxhlet extraction document date/time started and finished

OP001-16 (10/23/12)

ACCUTEST LABORATORIES MC24064

New England ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34712-MB	BK29032.D	1	09/10/13	NK	09/06/13	OP34712	GBK984

The QC reported here applies to the following samples: **Method:** SW846 8082

MC24064-1

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	15	ug/kg	
11104-28-2	Aroclor 1221	ND	33	19	ug/kg	
11141-16-5	Aroclor 1232	ND	33	15	ug/kg	
53469-21-9	Aroclor 1242	ND	33	16	ug/kg	
12672-29-6	Aroclor 1248	ND	33	14	ug/kg	
11097-69-1	Aroclor 1254	ND	33	24	ug/kg	
11096-82-5	Aroclor 1260	ND	33	16	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	107%	30-150%
877-09-8	Tetrachloro-m-xylene	85%	30-150%
2051-24-3	Decachlorobiphenyl	97%	30-150%
2051-24-3	Decachlorobiphenyl	87%	30-150%

Blank Spike Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34712-BS	BK29033.D	1	09/10/13	NK	09/06/13	OP34712	GBK984

The QC reported here applies to the following samples: **Method:** SW846 8082

MC24064-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	253	263	104	40-140
11104-28-2	Aroclor 1221		ND		40-140
11141-16-5	Aroclor 1232		ND		40-140
53469-21-9	Aroclor 1242		ND		40-140
12672-29-6	Aroclor 1248		ND		40-140
11097-69-1	Aroclor 1254		ND		40-140
11096-82-5	Aroclor 1260	253	272	108	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	105%	30-150%
877-09-8	Tetrachloro-m-xylene	89%	30-150%
2051-24-3	Decachlorobiphenyl	100%	30-150%
2051-24-3	Decachlorobiphenyl	90%	30-150%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34712-MS	BK29034.D	1	09/10/13	NK	09/06/13	OP34712	GBK984
OP34712-MSD	BK29035.D	1	09/10/13	NK	09/06/13	OP34712	GBK984
MC24045-61	BK29041.D	1	09/10/13	NK	09/06/13	OP34712	GBK984

The QC reported here applies to the following samples: **Method:** SW846 8082

MC24064-1

CAS No.	Compound	MC24045-61 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		278	262	94	544	99	5	40-140/50
11104-28-2	Aroclor 1221	ND			ND		ND		nc	40-140/50
11141-16-5	Aroclor 1232	ND			ND		ND		nc	40-140/50
53469-21-9	Aroclor 1242	ND			ND		ND		nc	40-140/50
12672-29-6	Aroclor 1248	ND			ND		ND		nc	40-140/50
11097-69-1	Aroclor 1254	ND			ND		ND		nc	40-140/50
11096-82-5	Aroclor 1260	ND		278	291	105	606	110	5	40-140/50

CAS No.	Surrogate Recoveries	MS	MSD	MC24045-61	Limits
877-09-8	Tetrachloro-m-xylene	90%	99%	95%	30-150%
877-09-8	Tetrachloro-m-xylene	79%	87%	82%	30-150%
2051-24-3	Decachlorobiphenyl	88%	99%	94%	30-150%
2051-24-3	Decachlorobiphenyl	80%	90%	86%	30-150%

* = Outside of Control Limits.

Semivolatile Surrogate Recovery Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8082 **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
MC24064-1	BK29051.D	66.0	49.0	65.0	48.0
OP34712-BS	BK29033.D	105.0	89.0	100.0	90.0
OP34712-MB	BK29032.D	107.0	85.0	97.0	87.0
OP34712-MS	BK29034.D	90.0	79.0	88.0	80.0
OP34712-MSD	BK29035.D	99.0	87.0	99.0	90.0

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	30-150%
S2 = Decachlorobiphenyl	30-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	GBK984-CC979	**Injection Date:**	09/10/13
Lab File ID:	BK29031.D	**Injection Time:**	08:49
Instrument ID:	GCBK	**Method:**	SW846 8082

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.01	2.30	10.53	9.72

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP34712-MB	BK29032.D	09/10/13	09:13	3.01	2.30	10.53	9.72
OP34712-BS	BK29033.D	09/10/13	09:32	3.01	2.31	10.52	9.72
OP34712-MS	BK29034.D	09/10/13	09:51	3.01	2.31	10.52	9.72
OP34712-MSD	BK29035.D	09/10/13	10:10	3.00	2.30	10.52	9.72
ZZZZZZ	BK29036.D	09/10/13	10:29	3.00	2.31	10.52	9.72
ZZZZZZ	BK29037.D	09/10/13	10:48	3.01	2.31	10.52	9.72
ZZZZZZ	BK29038.D	09/10/13	11:07	3.01	2.31	10.52	9.72
ZZZZZZ	BK29039.D	09/10/13	11:26	3.01	2.31	10.52	9.72
ZZZZZZ	BK29040.D	09/10/13	11:45	3.01	2.31	10.52	9.72
MC24045-61	BK29041.D	09/10/13	12:04	3.01	2.31	10.52	9.72

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	GBK984-CC979	**Injection Date:**	09/10/13
Lab File ID:	BK29042.D	**Injection Time:**	12:23
Instrument ID:	GCBK	**Method:**	SW846 8082

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.00	2.30	10.52	9.72

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
ZZZZZZ	BK29043.D	09/10/13	12:42	3.01	2.31	10.52	9.72
ZZZZZZ	BK29044.D	09/10/13	13:00	0.00	0.00	0.00	0.00
ZZZZZZ	BK29045.D	09/10/13	13:19	3.01	2.31	10.52	9.72
ZZZZZZ	BK29046.D	09/10/13	13:39	3.01	2.31	10.52	9.72
ZZZZZZ	BK29047.D	09/10/13	13:57	3.00	2.31	10.52	9.72
ZZZZZZ	BK29048.D	09/10/13	14:16	3.01	2.31	10.52	9.72
ZZZZZZ	BK29049.D	09/10/13	14:35	3.01	2.31	10.52	9.72
ZZZZZZ	BK29050.D	09/10/13	14:54	3.01	2.31	10.52	9.72
MC24064-1	BK29051.D	09/10/13	15:13	3.01	2.31	10.53	9.73
OP34719-MB	BK29052.D	09/10/13	15:32	3.01	2.31	10.52	9.72

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: MC24064 **Sample:** GBK979-ICC979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28890.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report GCBK

Method : C:\msdchem\1\METHODS\PC130905.M (ChemStation Integrator)
Title : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration

Calibration Files
1 =BK28888.d 2 =BK28889.d 3 =BK28890.d 4 =BK28891.d
5 =BK28892.d 6 =BK28893.d

		Compound	1	2	3	4	5	6	Avg		%RSD
1)	s	TCMX	2.114	1.859	2.139	1.980	2.051	2.391	2.089	E8	8.59
2)		AR1016-A	4.090	3.774	4.073	4.213	4.701	4.707	4.260	E6	8.76
3)		AR1016-B	8.469	7.531	8.514	7.532	8.280	8.495	8.137	E6	5.85
4)		AR1016-C	1.747	1.540	1.771	1.561	1.845	1.950	1.736	E7	9.23
5)		AR1016-D	1.153	1.045	1.196	1.049	1.189	1.157	1.131	E7	5.96
6)		AR1016-E	7.458	6.541	7.527	6.802	7.651	8.146	7.354	E6	7.98
7)		AR1260-A	1.240	1.091	1.268	1.155	1.283	1.415	1.242	E7	9.02
8)		AR1260-B	2.559	2.255	2.611	2.338	2.664	2.800	2.538	E7	8.08
9)		AR1260-C	4.573	3.994	4.610	4.008	4.533	4.937	4.442	E7	8.35
10)		AR1260-D	3.265	2.925	3.239	2.890	3.212	3.321	3.142	E7	5.90
11)		AR1260-E	3.007	2.690	3.018	2.701	3.061	3.328	2.967	E7	8.13
12)		AR1260-F	7.529	6.680	7.365	6.742	7.626	7.821	7.294	E6	6.52
13)	s	DCB	2.328	2.068	2.397	2.266	2.579	3.251	2.482	E8	16.60
14)		AR1221-A			2.032				2.032	E6	0.00
15)		AR1221-B			2.378				2.378	E6	0.00
16)		AR1221-C			6.611				6.611	E6	0.00
17)		AR1232-A			4.660				4.660	E6	0.00
18)		AR1232-B			3.506				3.506	E6	0.00
19)		AR1232-C			8.337				8.337	E6	0.00
20)		AR1232-D			4.155				4.155	E6	0.00
21)		AR1232-E			6.921				6.921	E6	0.00
22)		AR1242-A			2.990				2.990	E6	0.00
23)		AR1242-B			5.878				5.878	E6	0.00
24)		AR1242-C			1.184				1.184	E7	0.00
25)		AR1242-D			8.114				8.114	E6	0.00
26)		AR1242-E			1.160				1.160	E7	0.00
27)		AR1248-A			2.592				2.592	E6	0.00
28)		AR1248-B			7.450				7.450	E6	0.00
29)		AR1248-C			1.151				1.151	E7	0.00
30)		AR1248-D			1.470				1.470	E7	0.00
31)		AR1248-E			1.901				1.901	E7	0.00
32)		AR1254-A			1.830				1.830	E7	0.00
33)		AR1254-B			2.497				2.497	E7	0.00
34)		AR1254-C			3.668				3.668	E7	0.00
35)		AR1254-D			1.501				1.501	E7	0.00
36)		AR1254-E			1.993				1.993	E7	0.00
37)		AR1262-A			7.997				7.997	E6	0.00
38)		AR1262-B			1.769				1.769	E7	0.00
39)		AR1262-C			3.650				3.650	E7	0.00
40)		AR1262-D			3.358				3.358	E7	0.00
41)		AR1262-E			9.630				9.630	E6	0.00
42)		AR1268-A			7.168				7.168	E6	0.00
43)		AR1268-B			9.943				9.943	E6	0.00
44)		AR1268-C			7.190				7.190	E7	0.00
45)		AR1268-D			3.056				3.056	E7	0.00
46)		AR1268-E			7.998				7.998	E7	0.00

Initial Calibration Summary

Job Number: MC24064 **Sample:** GBK979-ICC979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28890.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Signal #2

1)	s	TCMX	8.007	6.893	8.098	7.298	7.872	9.078	7.874 E6	9.52
2)		AR1016-A	1.261	1.180	1.353	1.284	1.437	1.409	1.321 E5	7.34
3)		AR1016-B	2.911	2.602	2.991	2.868	3.176	3.431	2.997 E5	9.44
4)		AR1016-C	5.794	5.105	5.849	5.282	6.011	6.630	5.779 E5	9.43
5)		AR1016-D	2.213	1.985	2.234	2.095	2.340	2.553	2.237 E5	8.82
6)		AR1016-E	2.770	2.425	2.796	2.607	2.921	3.166	2.781 E5	9.17
7)		AR1260-A	3.895	3.422	3.987	3.660	4.161	4.549	3.946 E5	9.94
8)		AR1260-B	4.619	4.083	4.632	4.284	4.939	5.299	4.643 E5	9.44
9)		AR1260-C	1.201	1.048	1.201	1.089	1.257	1.320	1.186 E6	8.61
10)		AR1260-D	9.324	8.236	9.066	8.089	9.147	9.937	8.966 E5	7.75
11)		AR1260-E	8.810	7.787	8.732	7.932	8.899	9.780	8.657 E5	8.38
12)		AR1260-F	2.507	2.221	2.461	2.240	2.566	2.825	2.470 E5	9.08
13)	s	DCB	0.812	0.710	0.837	0.767	0.879	1.138	0.857 E7	17.44
14)		AR1221-A			5.370				5.370 E4	0.00
15)		AR1221-B			8.125				8.125 E4	0.00
16)		AR1221-C			2.203				2.203 E5	0.00
17)		AR1232-A			1.398				1.398 E5	0.00
18)		AR1232-B			1.380				1.380 E5	0.00
19)		AR1232-C			2.404				2.404 E5	0.00
20)		AR1232-D			1.521				1.521 E5	0.00
21)		AR1232-E			2.478				2.478 E5	0.00
22)		AR1242-A			9.472				9.472 E4	0.00
23)		AR1242-B			2.149				2.149 E5	0.00
24)		AR1242-C			4.165				4.165 E5	0.00
25)		AR1242-D			2.860				2.860 E5	0.00
26)		AR1242-E			4.150				4.150 E5	0.00
27)		AR1248-A			1.009				1.009 E5	0.00
28)		AR1248-B			2.632				2.632 E5	0.00
29)		AR1248-C			4.042				4.042 E5	0.00
30)		AR1248-D			6.616				6.616 E5	0.00
31)		AR1248-E			3.927				3.927 E5	0.00
32)		AR1254-A			4.903				4.903 E5	0.00
33)		AR1254-B			7.107				7.107 E5	0.00
34)		AR1254-C			1.193				1.193 E6	0.00
35)		AR1254-D			7.017				7.017 E5	0.00
36)		AR1254-E			6.025				6.025 E5	0.00
37)		AR1262-A			2.749				2.749 E5	0.00
38)		AR1262-B			2.939				2.939 E5	0.00
39)		AR1262-C			9.580				9.580 E5	0.00
40)		AR1262-D			1.003				1.003 E6	0.00
41)		AR1262-E			3.280				3.280 E5	0.00
42)		AR1268-A			1.826				1.826 E5	0.00
43)		AR1268-B			2.650				2.650 E5	0.00
44)		AR1268-C			2.180				2.180 E6	0.00
45)		AR1268-D			9.592				9.592 E5	0.00
46)		AR1268-E			2.938				2.938 E6	0.00

(#) = Out of Range

PC130905.M Fri Sep 06 08:34:25 2013

Initial Calibration Verification

Job Number: MC24064 **Sample:** GBK979-ICV979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28898.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\DATA\BK...05\BK28898.d\ECD1A.ch Vial: 61
Signal #2 : C:\msdchem\1\DATA\BK130905\BK28898.d\ECD2B.ch
Acq On : 5 Sep 2013 7:10 pm Operator: nickk
Sample : icv979-500,a16/60 Inst : GCBK
Misc : op34682,gbk979,15,,,10,,s Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\msdchem\1\METHODS\PC130905.M (ChemStation Integrator)
Title : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update : Fri Sep 06 08:26:11 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	s	TCMX	208.901	228.474 E6	-9.4	107	0.00	2.90- 3.10
2		AR1016-A	4.260	3.997 E6	6.2	98	0.00	3.24- 3.44
3		AR1016-B	8.137	8.120 E6	0.2	95	0.00	3.60- 3.80
4		AR1016-C	17.357	17.255 E6	0.6	97	0.00	4.11- 4.31
5		AR1016-D	11.315	11.275 E6	0.4	94	0.00	4.33- 4.39
6		AR1016-E	7.354	7.288 E6	0.9	97	0.00	4.81- 4.87
7		AR1260-A	12.419	12.668 E6	-2.0	100	0.00	6.36- 6.56
8		AR1260-B	25.379	25.609 E6	-0.9	98	0.00	6.75- 6.95
9		AR1260-C	44.425	44.658 E6	-0.5	97	0.00	7.34- 7.54
10		AR1260-D	31.417	30.998 E6	1.3	96	0.00	8.19- 8.39
11		AR1260-E	29.674	29.606 E6	0.2	98	0.00	8.64- 8.84
12		AR1260-F	7.294	7.598 E6	-4.2	103	0.00	9.64- 9.84
13	s	DCB	248.152	252.747 E6	-1.9	105	0.00	10.42-10.62
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					

Initial Calibration Verification

Job Number: MC24064 **Sample:** GBK979-ICV979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK28898.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42		AR1268-A			----------NA----------			
43		AR1268-B			----------NA----------			
44		AR1268-C			----------NA----------			
45		AR1268-D			----------NA----------			
46		AR1268-E			----------NA----------			
*****		Signal #2 *****						
1	s	TCMX	7.874	8.584 E6	-9.0	106	0.00	2.20- 2.40
2		AR1016-A	132.086	128.379 E3	2.8	95	0.00	2.58- 2.78
3		AR1016-B	299.650	291.140 E3	2.8	97	0.00	2.91- 3.11
4		AR1016-C	577.863	565.471 E3	2.1	97	0.00	3.33- 3.53
5		AR1016-D	223.687	226.128 E3	-1.1	101	0.00	3.53- 3.59
6		AR1016-E	278.079	278.397 E3	-0.1	100	0.00	4.01- 4.07
7		AR1260-A	394.570	404.831 E3	-2.6	102	0.00	5.48- 5.68
8		AR1260-B	464.284	464.726 E3	-0.1	100	0.00	5.77- 5.97
9		AR1260-C	1.186	1.209 E6	-1.9	101	0.00	6.40- 6.60
10		AR1260-D	896.645	880.081 E3	1.8	97	0.00	7.21- 7.41
11		AR1260-E	865.669	878.300 E3	-1.5	101	0.00	7.77- 7.97
12		AR1260-F	247.021	256.837 E3	-4.0	104	0.00	8.68- 8.88
13	s	DCB	8.572	9.007 E6	-5.1	108	0.00	9.62- 9.82
14		AR1221-A			----------NA----------			
15		AR1221-B			----------NA----------			
16		AR1221-C			----------NA----------			
17		AR1232-A			----------NA----------			
18		AR1232-B			----------NA----------			
19		AR1232-C			----------NA----------			
20		AR1232-D			----------NA----------			
21		AR1232-E			----------NA----------			
22		AR1242-A			----------NA----------			
23		AR1242-B			----------NA----------			
24		AR1242-C			----------NA----------			
25		AR1242-D			----------NA----------			
26		AR1242-E			----------NA----------			
27		AR1248-A			----------NA----------			
28		AR1248-B			----------NA----------			
29		AR1248-C			----------NA----------			
30		AR1248-D			----------NA----------			
31		AR1248-E			----------NA----------			
32		AR1254-A			----------NA----------			
33		AR1254-B			----------NA----------			
34		AR1254-C			----------NA----------			
35		AR1254-D			----------NA----------			
36		AR1254-E			----------NA----------			
37		AR1262-A			----------NA----------			
38		AR1262-B			----------NA----------			
39		AR1262-C			----------NA----------			
40		AR1262-D			----------NA----------			
41		AR1262-E			----------NA----------			
42		AR1268-A			----------NA----------			
43		AR1268-B			----------NA----------			
44		AR1268-C			----------NA----------			
45		AR1268-D			----------NA----------			
46		AR1268-E			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK28890.d PC130905.M Fri Sep 06 08:34:20 2013

10.6.2 10

Continuing Calibration Summary

Job Number: MC24064 **Sample:** GBK984-CC979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK29031.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...10\BK29031.d\ECD1A.ch Vial: 100
Signal #2 : C:\msdchem\1\DATA\BK130910\BK29031.d\ECD2B.ch
Acq On    : 10 Sep 2013   8:49 am                    Operator: nickk
Sample    : cc979-750,a16/60                         Inst    : GCBK
Misc      : op34712,gbk984,15,,,10,,s                Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC130910.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Fri Sep 06 08:26:11 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	s	TCMX	208.901	230.199 E6	-10.2	124#	0.00	2.91- 3.11
2		AR1016-A	4.260	4.023 E6	5.6	107	0.00	3.25- 3.45
3		AR1016-B	8.137	9.349 E6	-14.9	124#	0.00	3.61- 3.81
4		AR1016-C	17.357	18.022 E6	-3.8	117#	0.00	4.12- 4.32
5		AR1016-D	11.315	12.286 E6	-8.6	118#	0.00	4.34- 4.40
6		AR1016-E	7.354	8.288 E6	-12.7	127#	0.00	4.82- 4.88
7		AR1260-A	12.419	13.673 E6	-10.1	125#	0.01	6.37- 6.57
8		AR1260-B	25.379	27.954 E6	-10.1	124#	0.01	6.76- 6.96
9		AR1260-C	44.425	47.278 E6	-6.4	118#	0.01	7.35- 7.55
10		AR1260-D	31.417	32.090 E6	-2.1	110	0.01	8.20- 8.40
11		AR1260-E	29.674	29.936 E6	-0.9	111	0.01	8.65- 8.85
12		AR1260-F	7.294	7.208 E6	1.2	108	0.01	9.65- 9.85
13	s	DCB	248.152	228.707 E6	7.8	111	0.00	10.43-10.63
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					

Continuing Calibration Summary

Job Number: MC24064 **Sample:** GBK984-CC979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK29031.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					
45		AR1268-D	----------NA----------					
46		AR1268-E	----------NA----------					
*****		Signal #2 *****						
1	s	TCMX	7.874	7.328 E6	6.9	106	0.00	2.20- 2.40
2		AR1016-A	132.086	119.142 E3	9.8	101	0.00	2.58- 2.78
3		AR1016-B	299.650	259.702 E3	13.3	100	0.00	2.91- 3.11
4		AR1016-C	577.863	505.116 E3	12.6	99	0.00	3.33- 3.53
5		AR1016-D	223.687	207.027 E3	7.4	104	0.00	3.53- 3.59
6		AR1016-E	278.079	246.875 E3	11.2	102	0.00	4.01- 4.07
7		AR1260-A	394.570	360.768 E3	8.6	105	0.00	5.49- 5.69
8		AR1260-B	464.284	414.242 E3	10.8	101	0.00	5.77- 5.97
9		AR1260-C	1.186	1.123 E6	5.3	107	0.00	6.40- 6.60
10		AR1260-D	896.645	860.953 E3	4.0	105	0.00	7.22- 7.42
11		AR1260-E	865.669	805.472 E3	7.0	103	0.00	7.77- 7.97
12		AR1260-F	247.021	219.282 E3	11.2	99	0.00	8.69- 8.89
13	s	DCB	8.572	7.304 E6	14.8	103	0.00	9.62- 9.82
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					
42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					
45		AR1268-D	----------NA----------					
46		AR1268-E	----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK28889.d PC130910.M Tue Sep 10 09:14:27 2013

10.6.3 10

Continuing Calibration Summary

Job Number: MC24064 **Sample:** GBK984-CC979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK29042.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...10\BK29042.d\ECD1A.ch Vial: 100
Signal #2 : C:\msdchem\1\DATA\BK130910\BK29042.d\ECD2B.ch
Acq On    : 10 Sep 2013  12:23 pm                    Operator: nickk
Sample    : cc979-750,a16/60                         Inst    : GCBK
Misc      : op34712,gbk984,15,,,10,,s                Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC130910.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Fri Sep 06 08:26:11 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	s	TCMX	208.901	233.049 E6	-11.6	125#	0.00	2.90- 3.10
2		AR1016-A	4.260	4.125 E6	3.2	109	0.00	3.24- 3.44
3		AR1016-B	8.137	9.219 E6	-13.3	122#	0.00	3.60- 3.80
4		AR1016-C	17.357	18.564 E6	-7.0	121#	0.00	4.11- 4.31
5		AR1016-D	11.315	12.426 E6	-9.8	119#	0.00	4.33- 4.39
6		AR1016-E	7.354	8.180 E6	-11.2	125#	0.00	4.81- 4.87
7		AR1260-A	12.419	13.924 E6	-12.1	128#	0.00	6.35- 6.55
8		AR1260-B	25.379	29.158 E6	-14.9	129#	0.00	6.75- 6.95
9		AR1260-C	44.425	49.708 E6	-11.9	124#	0.00	7.34- 7.54
10		AR1260-D	31.417	35.284 E6	-12.3	121#	0.00	8.19- 8.39
11		AR1260-E	29.674	33.286 E6	-12.2	124#	0.00	8.64- 8.84
12		AR1260-F	7.294	8.130 E6	-11.5	122#	0.00	9.64- 9.84
13	s	DCB	248.152	249.366 E6	-0.5	121#	0.00	10.42-10.62
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					

Continuing Calibration Summary

Job Number: MC24064 **Sample:** GBK984-CC979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK29042.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42		AR1268-A		----------NA----------				
43		AR1268-B		----------NA----------				
44		AR1268-C		----------NA----------				
45		AR1268-D		----------NA----------				
46		AR1268-E		----------NA----------				
*****		Signal #2 *****						
1	s	TCMX	7.874	7.384 E6	6.2	107	0.00	2.20- 2.40
2		AR1016-A	132.086	124.370 E3	5.8	105	0.00	2.58- 2.78
3		AR1016-B	299.650	267.057 E3	10.9	103	0.00	2.92- 3.12
4		AR1016-C	577.863	530.874 E3	8.1	104	0.00	3.33- 3.53
5		AR1016-D	223.687	209.091 E3	6.5	105	0.00	3.53- 3.59
6		AR1016-E	278.079	256.228 E3	7.9	106	0.00	4.02- 4.08
7		AR1260-A	394.570	375.640 E3	4.8	110	0.00	5.49- 5.69
8		AR1260-B	464.284	435.399 E3	6.2	107	0.00	5.77- 5.97
9		AR1260-C	1.186	1.172 E6	1.2	112	0.00	6.40- 6.60
10		AR1260-D	896.645	930.260 E3	-3.7	113	0.00	7.21- 7.41
11		AR1260-E	865.669	878.407 E3	-1.5	113	0.00	7.77- 7.97
12		AR1260-F	247.021	246.062 E3	0.4	111	0.00	8.69- 8.89
13	s	DCB	8.572	7.864 E6	8.3	111	0.00	9.62- 9.82
14		AR1221-A		----------NA----------				
15		AR1221-B		----------NA----------				
16		AR1221-C		----------NA----------				
17		AR1232-A		----------NA----------				
18		AR1232-B		----------NA----------				
19		AR1232-C		----------NA----------				
20		AR1232-D		----------NA----------				
21		AR1232-E		----------NA----------				
22		AR1242-A		----------NA----------				
23		AR1242-B		----------NA----------				
24		AR1242-C		----------NA----------				
25		AR1242-D		----------NA----------				
26		AR1242-E		----------NA----------				
27		AR1248-A		----------NA----------				
28		AR1248-B		----------NA----------				
29		AR1248-C		----------NA----------				
30		AR1248-D		----------NA----------				
31		AR1248-E		----------NA----------				
32		AR1254-A		----------NA----------				
33		AR1254-B		----------NA----------				
34		AR1254-C		----------NA----------				
35		AR1254-D		----------NA----------				
36		AR1254-E		----------NA----------				
37		AR1262-A		----------NA----------				
38		AR1262-B		----------NA----------				
39		AR1262-C		----------NA----------				
40		AR1262-D		----------NA----------				
41		AR1262-E		----------NA----------				
42		AR1268-A		----------NA----------				
43		AR1268-B		----------NA----------				
44		AR1268-C		----------NA----------				
45		AR1268-D		----------NA----------				
46		AR1268-E		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK28889.d PC130910.M Tue Sep 10 13:14:54 2013

Continuing Calibration Summary

Job Number: MC24064 **Sample:** GBK984-CC979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK29053.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...10\BK29053.d\ECD1A.ch Vial: 99
Signal #2 : C:\msdchem\1\DATA\BK130910\BK29053.d\ECD2B.ch
Acq On    : 10 Sep 2013   4:03 pm                    Operator: nickk
Sample    : cc979-750,a16/60                         Inst    : GCBK
Misc      : op34712,gbk984,15,,,10,,s                Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC130910.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Fri Sep 06 08:26:11 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	s	TCMX	208.901	223.701 E6	-7.1	120#	0.01	2.92- 3.12
2		AR1016-A	4.260	4.330 E6	-1.6	115	0.01	3.25- 3.45
3		AR1016-B	8.137	9.042 E6	-11.1	120#	0.01	3.62- 3.82
4		AR1016-C	17.357	17.636 E6	-1.6	115	0.01	4.12- 4.32
5		AR1016-D	11.315	11.374 E6	-0.5	109	0.01	4.34- 4.40
6		AR1016-E	7.354	7.848 E6	-6.7	120#	0.01	4.83- 4.89
7		AR1260-A	12.419	13.020 E6	-4.8	119#	0.02	6.37- 6.57
8		AR1260-B	25.379	26.602 E6	-4.8	118#	0.02	6.77- 6.97
9		AR1260-C	44.425	45.668 E6	-2.8	114	0.02	7.35- 7.55
10		AR1260-D	31.417	31.770 E6	-1.1	109	0.02	8.21- 8.41
11		AR1260-E	29.674	30.603 E6	-3.1	114	0.02	8.66- 8.86
12		AR1260-F	7.294	7.275 E6	0.3	109	0.02	9.66- 9.86
13	s	DCB	248.152	227.079 E6	8.5	110	0.01	10.43-10.63
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					

Continuing Calibration Summary

Job Number: MC24064 **Sample:** GBK984-CC979
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK29053.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					
45		AR1268-D	----------NA----------					
46		AR1268-E	----------NA----------					
*****		Signal #2 *****						
1	s	TCMX	7.874	6.657 E6	15.5#	97	0.00	2.20- 2.40
2		AR1016-A	132.086	105.780 E3	19.9#	90	0.00	2.58- 2.78
3		AR1016-B	299.650	236.378 E3	21.1#	91	0.00	2.91- 3.11
4		AR1016-C	577.863	470.894 E3	18.5#	92	0.00	3.33- 3.53
5		AR1016-D	223.687	194.909 E3	12.9	98	0.00	3.53- 3.59
6		AR1016-E	278.079	227.261 E3	18.3#	94	0.00	4.01- 4.07
7		AR1260-A	394.570	332.647 E3	15.7#	97	0.00	5.49- 5.69
8		AR1260-B	464.284	398.992 E3	14.1	98	0.00	5.77- 5.97
9		AR1260-C	1.186	1.045 E6	11.9	100	0.00	6.40- 6.60
10		AR1260-D	896.645	817.278 E3	8.9	99	0.00	7.22- 7.42
11		AR1260-E	865.669	761.613 E3	12.0	98	0.00	7.77- 7.97
12		AR1260-F	247.021	211.452 E3	14.4	95	0.00	8.69- 8.89
13	s	DCB	8.572	6.787 E6	20.8#	96	0.00	9.62- 9.82
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					
42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					
45		AR1268-D	----------NA----------					
46		AR1268-E	----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK28889.d PC130910.M Tue Sep 10 16:23:26 2013

10.6.5 10

New England ACCUTEST LABORATORIES

GC Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/11/13 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29051.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 3:13 pm
Operator : nickk
Sample : mc24064-1,op34712
Misc : op34712,gbk984,15.69,,,10,,s
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 16:32:33 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.006	2.306	5556.5E6	155.3E6	26.599m	19.720m#
	Spiked Amount 40.000			Recovery	=	66.50%	49.30%
13) s	DCB	10.530	9.732	6465.8E6	164.5E6	26.056	19.187m#
	Spiked Amount 40.000			Recovery	=	65.14%	47.97%
	Target Compounds						
32)	AR1254-A	5.321	4.526	441.2E6	8645756	24.115m	17.633m#
33)	AR1254-B	5.658	4.753	537.8E6	12975870	21.536m	18.257m
34)	AR1254-C	6.208	5.338	1021.8E6	22144709	27.854m	18.565m#
35)	AR1254-D	6.599	5.595f	291.2E6	14686756	19.395m	20.930m
36)	AR1254-E	7.280	6.387	541.8E6	15958535	27.190	26.488m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

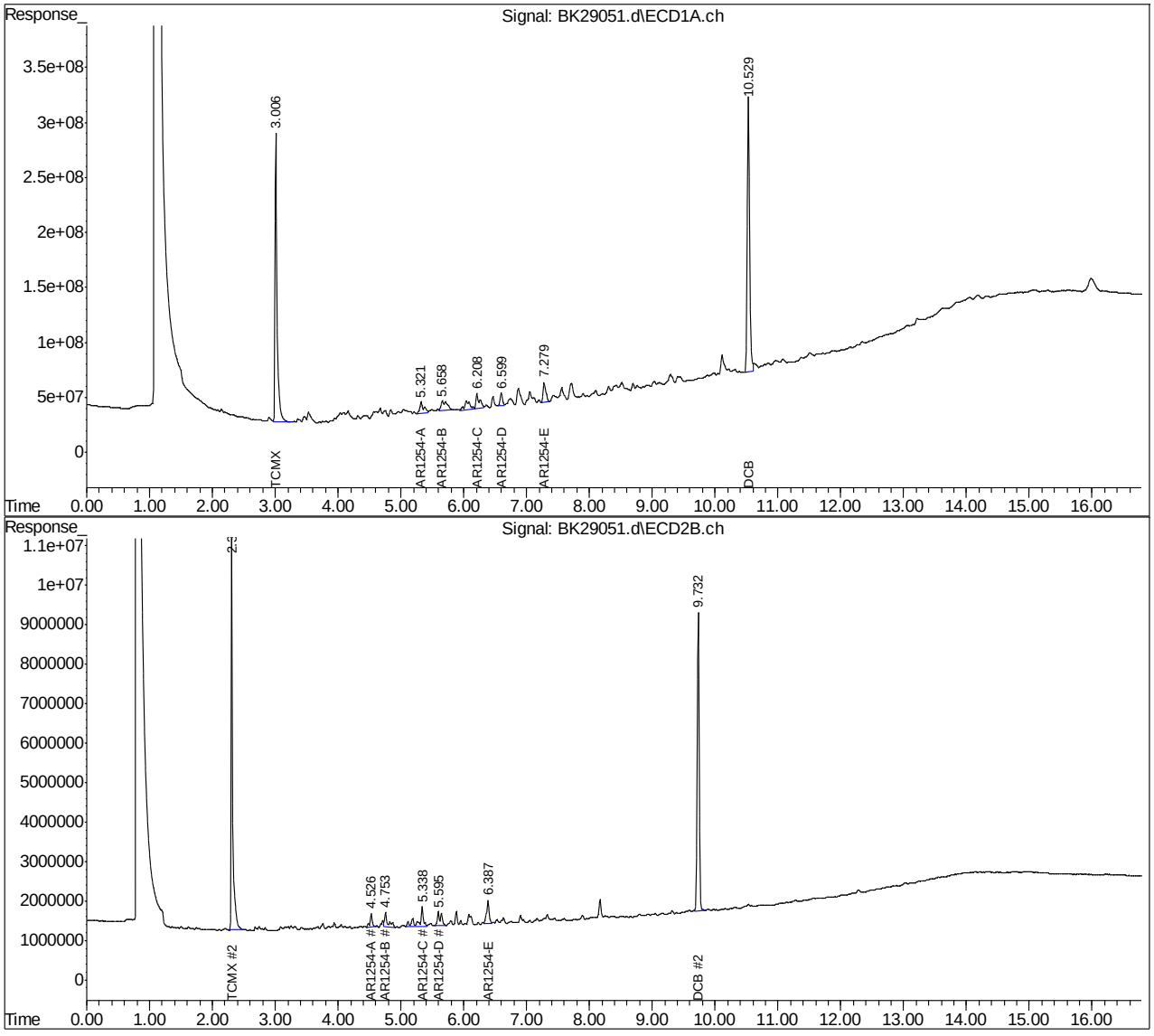
11.1.1 11

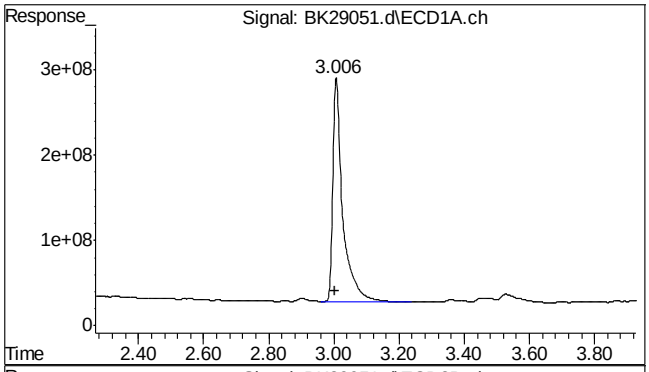
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29051.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 3:13 pm
Operator : nickk
Sample : mc24064-1,op34712
Misc : op34712,gbk984,15.69,,,10,,s
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 16:32:33 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

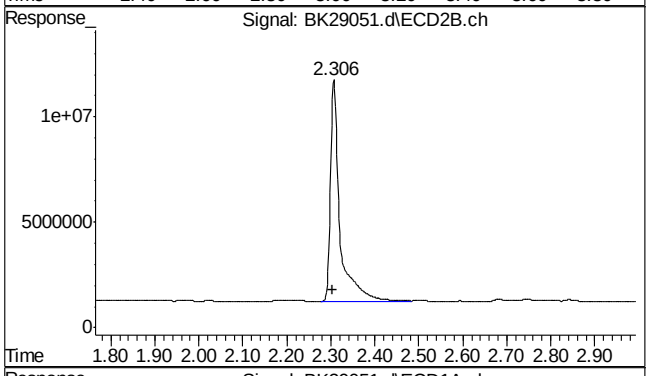
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





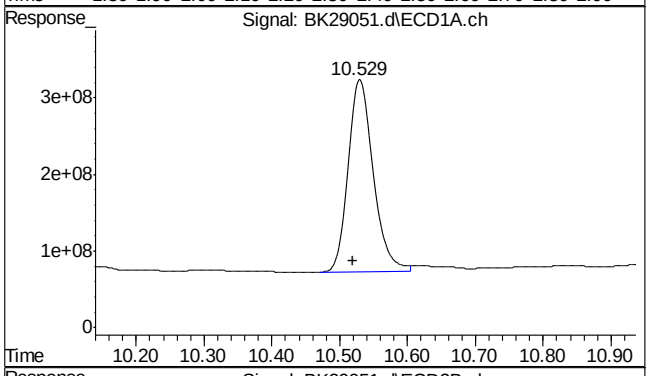
#1 TCMX

R.T.: 3.006 min
Delta R.T.: 0.002 min
Response: 5556457073
Conc: 26.60 ppb m



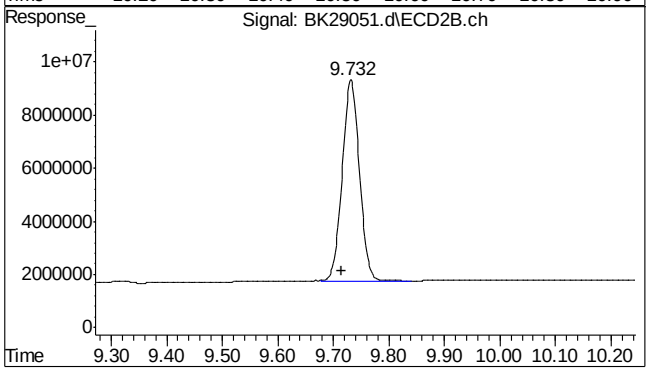
#1 TCMX

R.T.: 2.306 min
Delta R.T.: 0.003 min
Response: 155283612
Conc: 19.72 ppb m



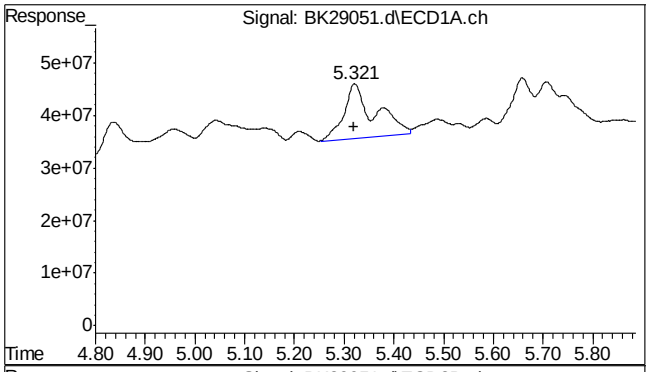
#13 DCB

R.T.: 10.530 min
Delta R.T.: 0.010 min
Response: 6465777024
Conc: 26.06 ppb



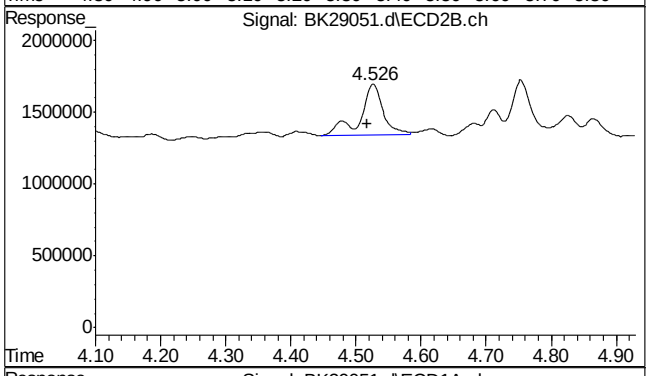
#13 DCB

R.T.: 9.732 min
Delta R.T.: 0.016 min
Response: 164469790
Conc: 19.19 ppb m



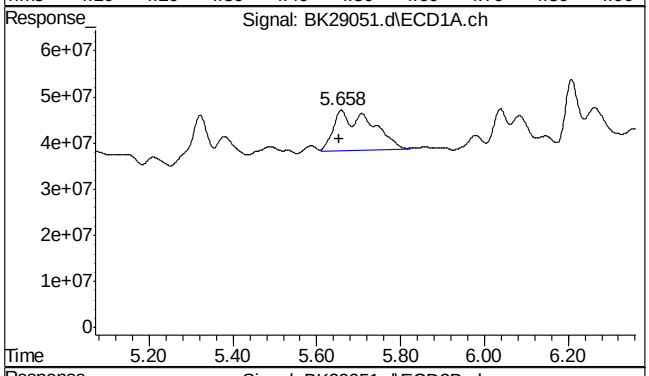
#32 AR1254-A

R.T.: 5.321 min
Delta R.T.: 0.001 min
Response: 441215715
Conc: 24.11 ppb m



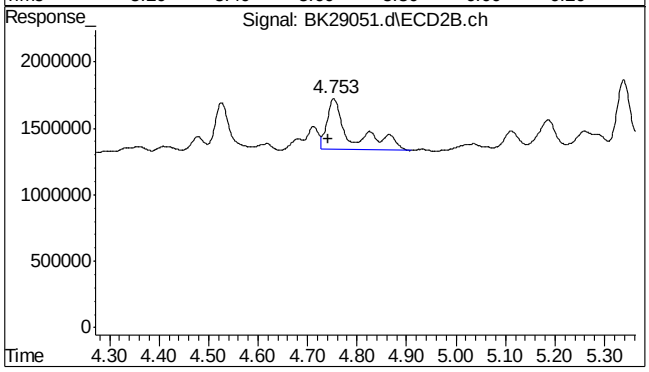
#32 AR1254-A

R.T.: 4.526 min
Delta R.T.: 0.008 min
Response: 8645756
Conc: 17.63 ppb m



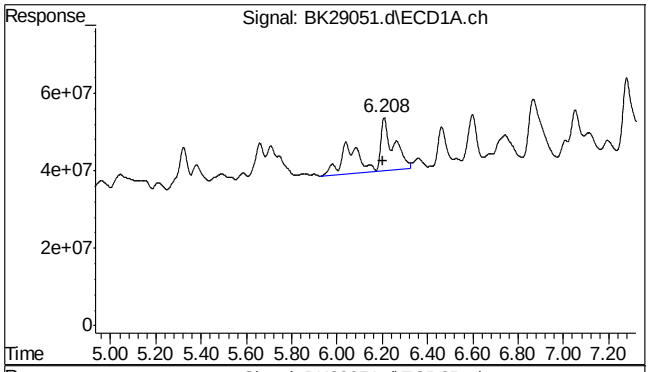
#33 AR1254-B

R.T.: 5.658 min
Delta R.T.: 0.004 min
Response: 537776105
Conc: 21.54 ppb m



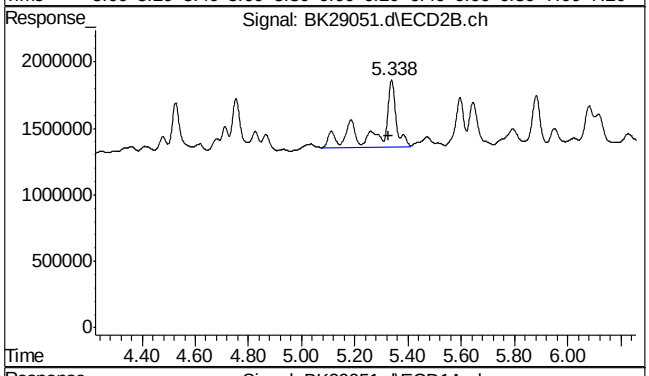
#33 AR1254-B

R.T.: 4.753 min
Delta R.T.: 0.011 min
Response: 12975870
Conc: 18.26 ppb m



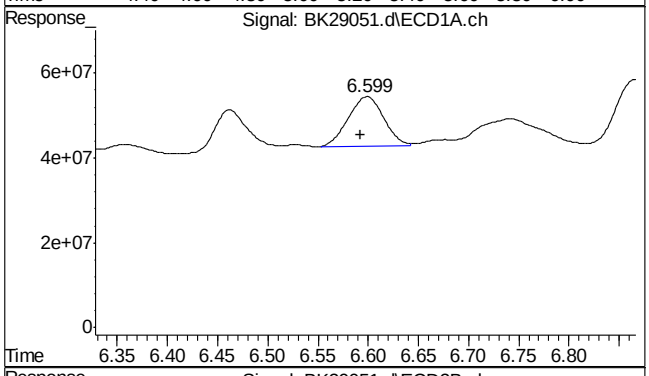
#34 AR1254-C

R.T.: 6.208 min
Delta R.T.: 0.006 min
Response: 1021779706
Conc: 27.85 ppb m



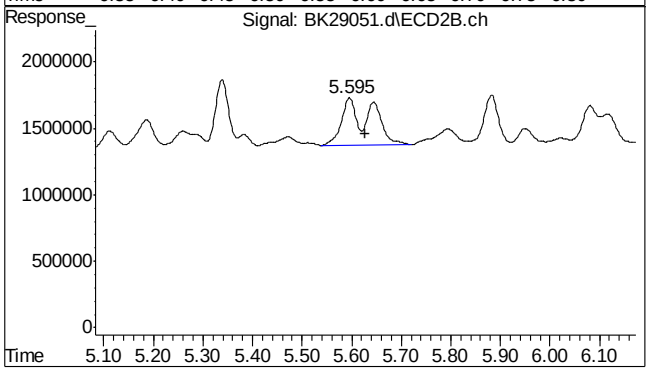
#34 AR1254-C

R.T.: 5.338 min
Delta R.T.: 0.012 min
Response: 22144709
Conc: 18.56 ppb m



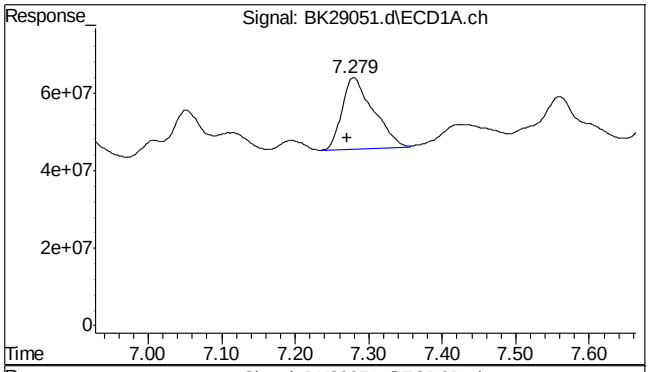
#35 AR1254-D

R.T.: 6.599 min
Delta R.T.: 0.006 min
Response: 291213183
Conc: 19.40 ppb m



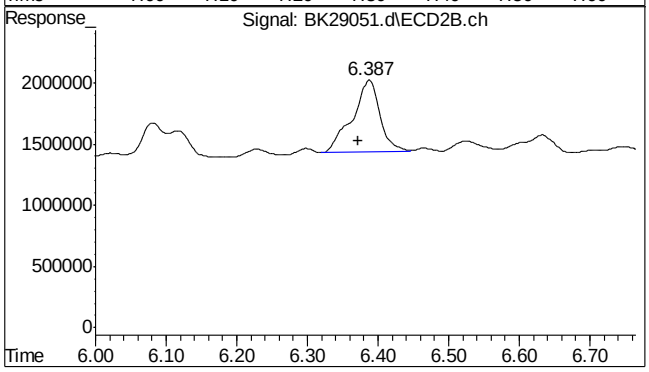
#35 AR1254-D

R.T.: 5.595 min
Delta R.T.: -0.032 min
Response: 14686756
Conc: 20.93 ppb m



#36 AR1254-E

R.T.: 7.280 min
Delta R.T.: 0.009 min
Response: 541758225
Conc: 27.19 ppb



#36 AR1254-E

R.T.: 6.387 min
Delta R.T.: 0.014 min
Response: 15958535
Conc: 26.49 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/11/13 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29032.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 9:13 am
Operator : nickk
Sample : op34712-mb
Misc : op34712,gbk984,15.34,,,10,,s
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 09:40:18 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) s TCMX	3.012	2.303	8966.6E6	268.4E6	42.923m	34.080m
Spiked Amount 40.000			Recovery	=	107.31%	85.20%
13) s DCB	10.526	9.723	9608.5E6	297.1E6	38.720m	34.658m
Spiked Amount 40.000			Recovery	=	96.80%	86.65%
Target Compounds						

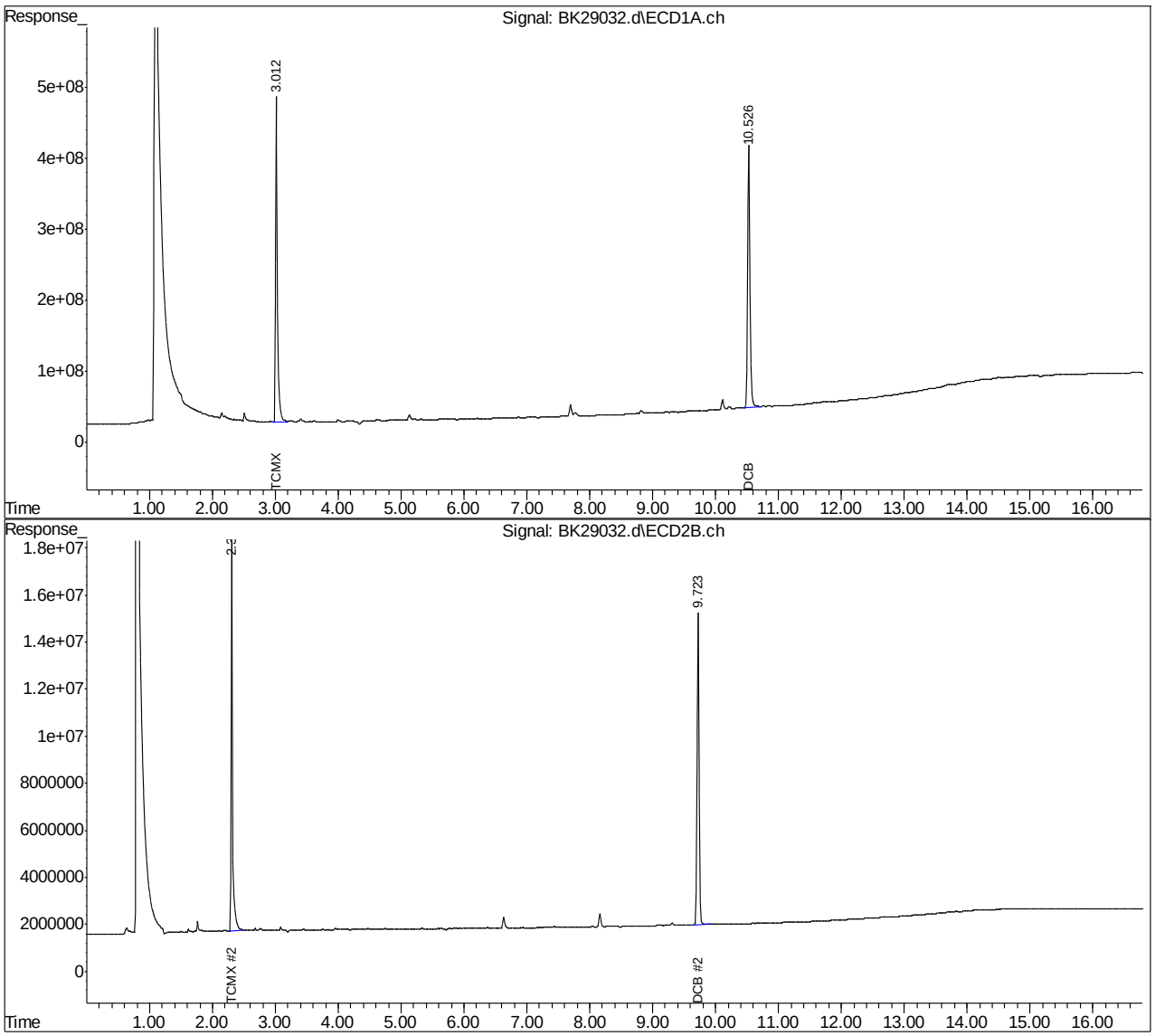
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

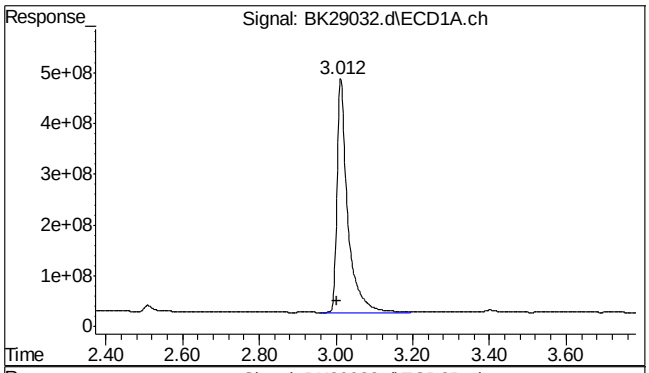
Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29032.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 9:13 am
Operator : nickk
Sample : op34712-mb
Misc : op34712,gbk984,15.34,,,10,,s
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 09:40:18 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

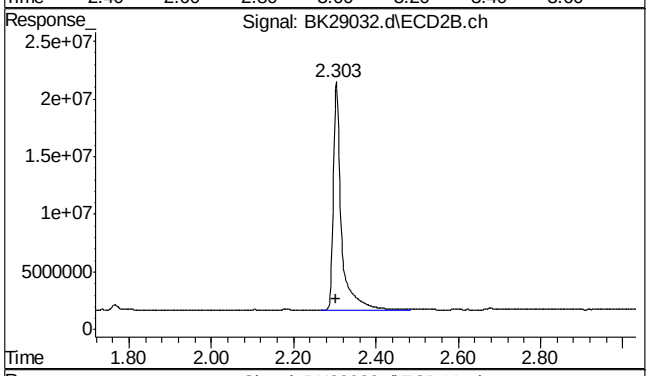


ACCUTEST LABORATORIES MC24064



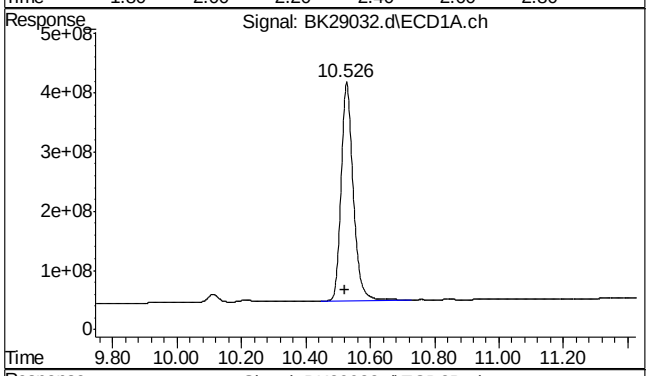
#1 TCMX

R.T.: 3.012 min
Delta R.T.: 0.008 min
Response: 8966599957
Conc: 42.92 ppb m



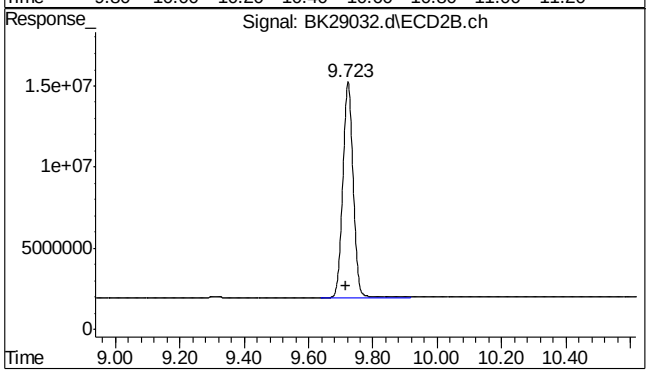
#1 TCMX

R.T.: 2.303 min
Delta R.T.: 0.000 min
Response: 268360697
Conc: 34.08 ppb m



#13 DCB

R.T.: 10.526 min
Delta R.T.: 0.006 min
Response: 9608543851
Conc: 38.72 ppb m



#13 DCB

R.T.: 9.723 min
Delta R.T.: 0.007 min
Response: 297085901
Conc: 34.66 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/11/13 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29033.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 9:32 am
Operator : nickk
Sample : op34712-bs
Misc : op34712,gbk984,15.82,,,10,,s
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 10:36:04 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.006	2.305	8757.8E6	280.4E6	41.923	35.603m
	Spiked Amount 40.000			Recovery	=	104.81%	89.01%
13) s	DCB	10.520	9.721	9919.5E6	307.7E6	39.974m	35.898m
	Spiked Amount 40.000			Recovery	=	99.94%	89.75%
	Target Compounds						
2)	AR1016-A	3.341	2.680	1686.5E6	50928544	395.916	385.571m
3)	AR1016-B	3.704	3.017	3536.6E6	107.3E6	434.635	357.921
4)	AR1016-C	4.207	3.433	7097.8E6	198.2E6	408.932m	343.004m
5)	AR1016-D	4.360	3.564	4722.4E6	78681979	417.370m	351.750m
6)	AR1016-E	4.840	4.046	3109.6E6	99339315	422.840m	357.235m
7)	AR1260-A	6.454	5.586	5465.6E6	143.2E6	440.092	362.938m
8)	AR1260-B	6.851	5.871	11226.6E6	170.0E6	442.367m	366.207m
9)	AR1260-C	7.436	6.504	18975.8E6	455.2E6	427.144m	383.822m
10)	AR1260-D	8.292	7.315	13516.4E6	338.7E6	430.226m	377.701m
11)	AR1260-E	8.743	7.873	12466.4E6	330.0E6	420.114m	381.179m
12)	AR1260-F	9.740	8.786	3110.7E6	93082943	426.486	376.823m

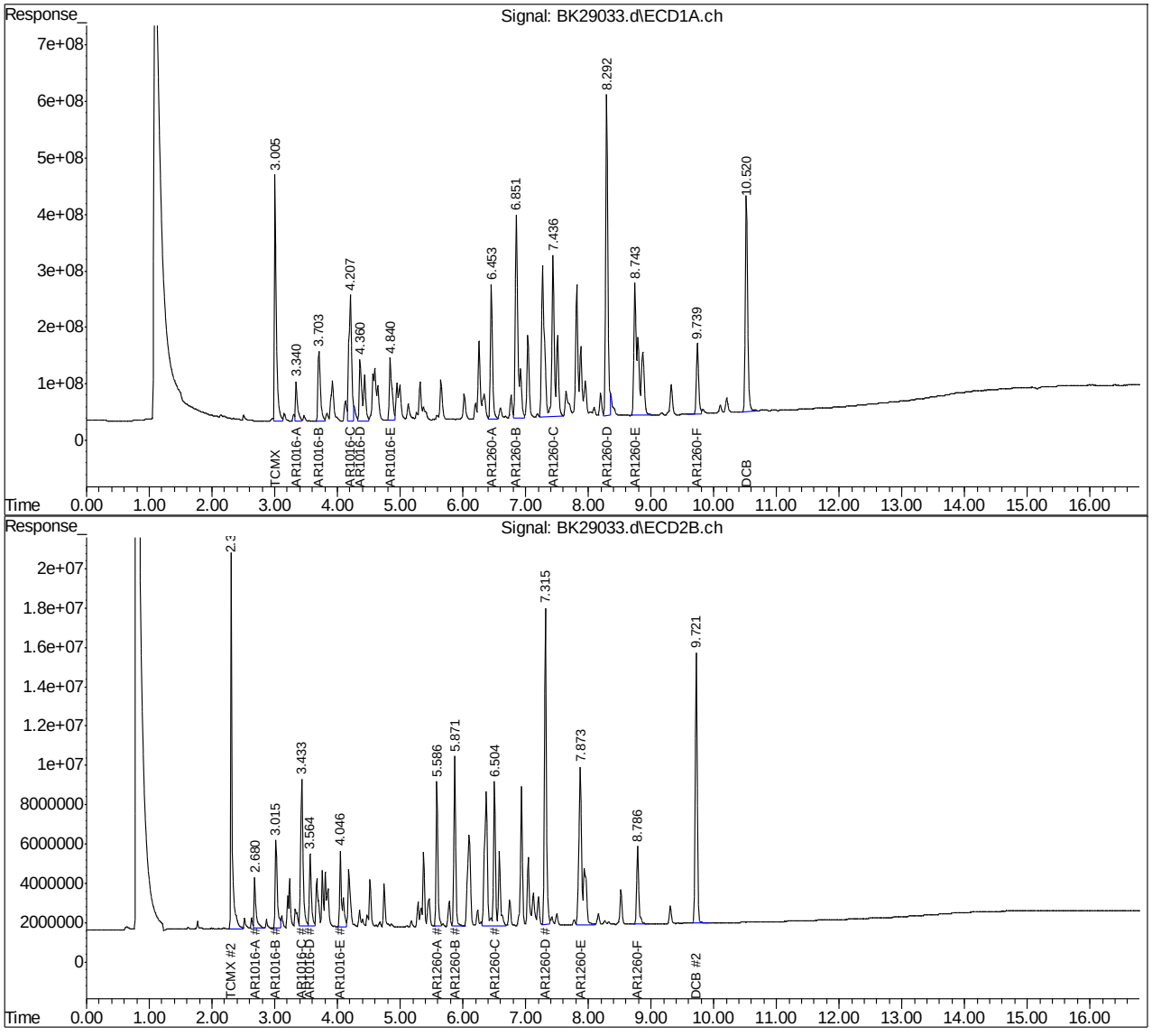
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

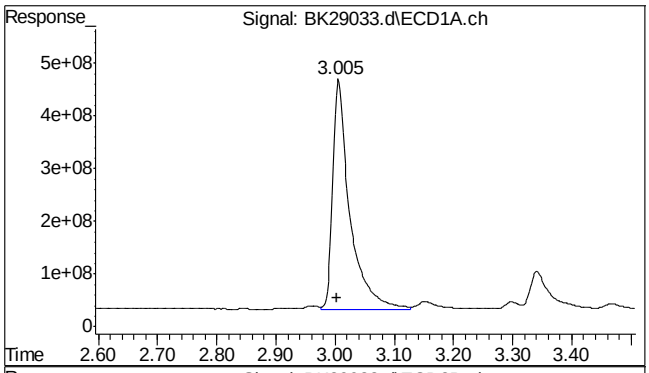
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29033.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 9:32 am
Operator : nickk
Sample : op34712-bs
Misc : op34712,gbk984,15.82,,,10,,s
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 10:36:04 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

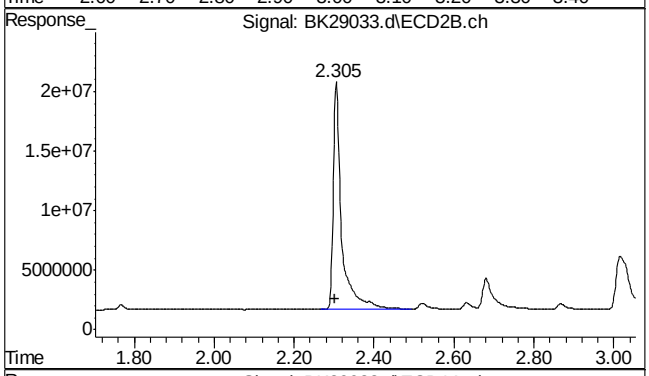
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





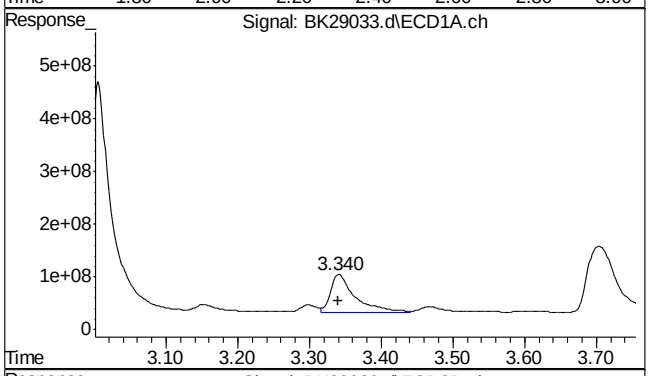
#1 TCMX

R.T.: 3.006 min
Delta R.T.: 0.002 min
Response: 8757771640
Conc: 41.92 ppb



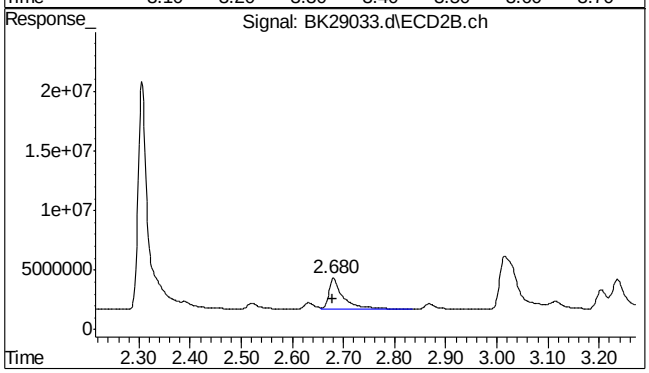
#1 TCMX

R.T.: 2.305 min
Delta R.T.: 0.002 min
Response: 280351064
Conc: 35.60 ppb m



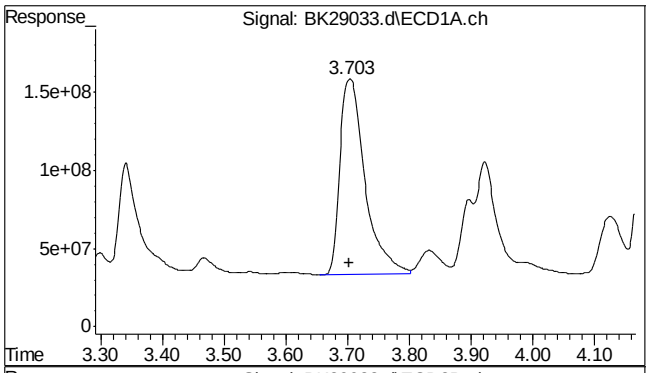
#2 AR1016-A

R.T.: 3.341 min
Delta R.T.: 0.001 min
Response: 1686457892
Conc: 395.92 ppb



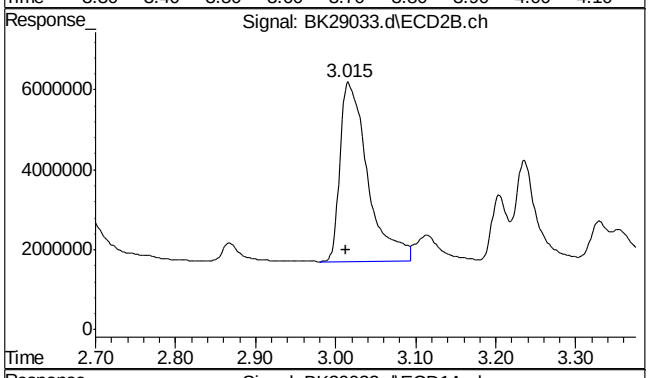
#2 AR1016-A

R.T.: 2.680 min
Delta R.T.: 0.002 min
Response: 50928544
Conc: 385.57 ppb m



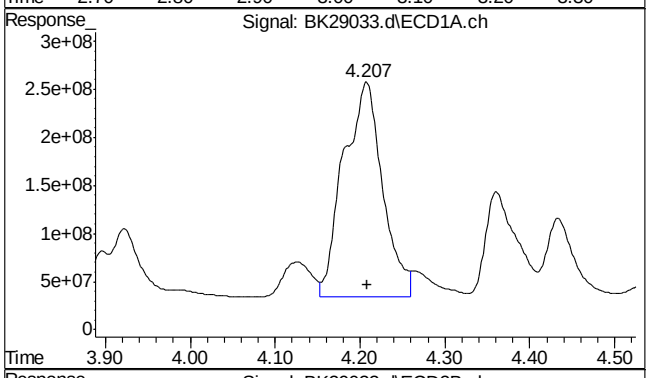
#3 AR1016-B

R.T.: 3.704 min
Delta R.T.: 0.001 min
Response: 3536600232
Conc: 434.64 ppb



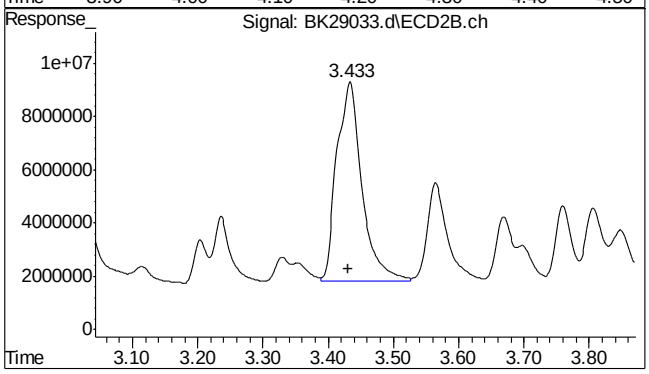
#3 AR1016-B

R.T.: 3.017 min
Delta R.T.: 0.004 min
Response: 107251191
Conc: 357.92 ppb



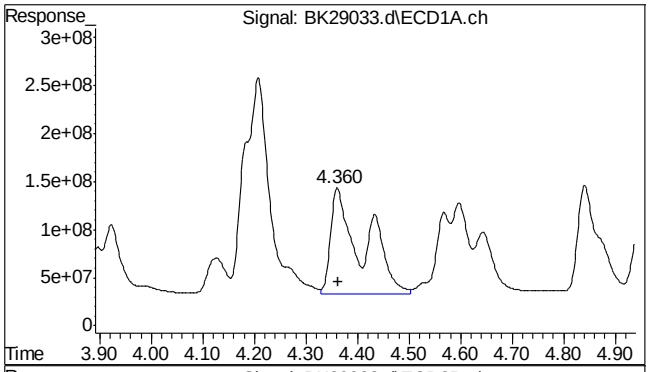
#4 AR1016-C

R.T.: 4.207 min
Delta R.T.: -0.002 min
Response: 7097842769
Conc: 408.93 ppb m



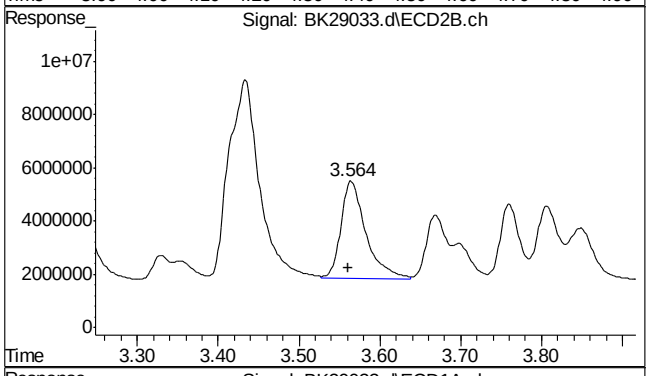
#4 AR1016-C

R.T.: 3.433 min
Delta R.T.: 0.003 min
Response: 198209490
Conc: 343.00 ppb m



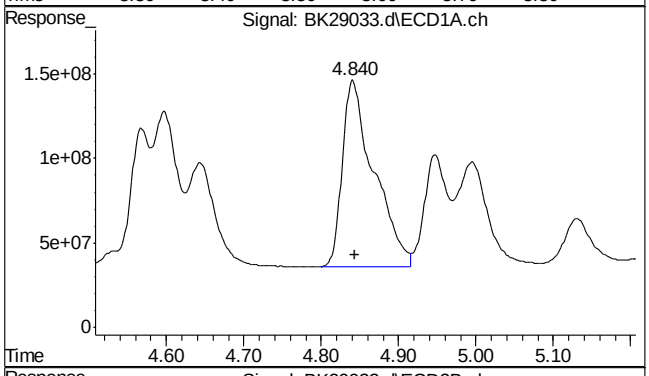
#5 AR1016-D

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 4722420446
Conc: 417.37 m



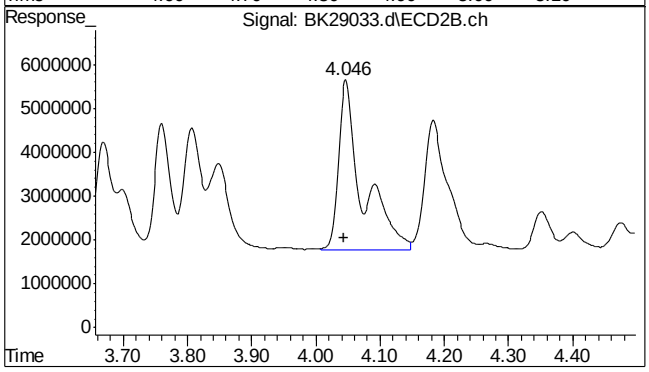
#5 AR1016-D

R.T.: 3.564 min
Delta R.T.: 0.003 min
Response: 78681979
Conc: 351.75 m



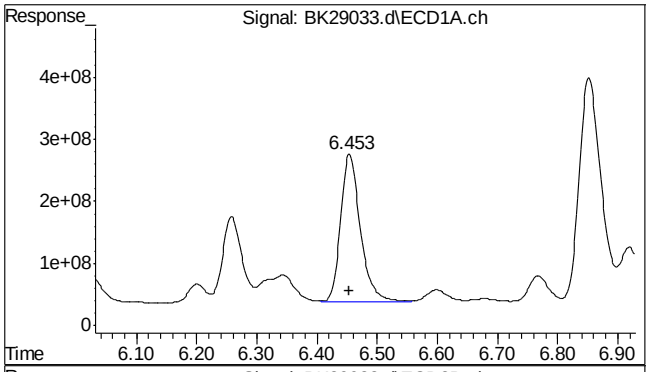
#6 AR1016-E

R.T.: 4.840 min
Delta R.T.: -0.003 min
Response: 3109609713
Conc: 422.84 m



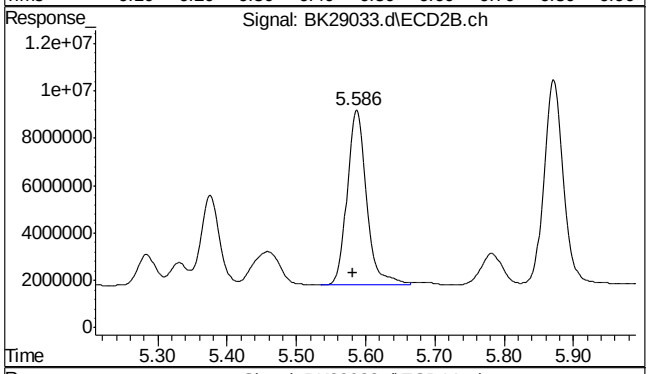
#6 AR1016-E

R.T.: 4.046 min
Delta R.T.: 0.003 min
Response: 99339315
Conc: 357.23 m



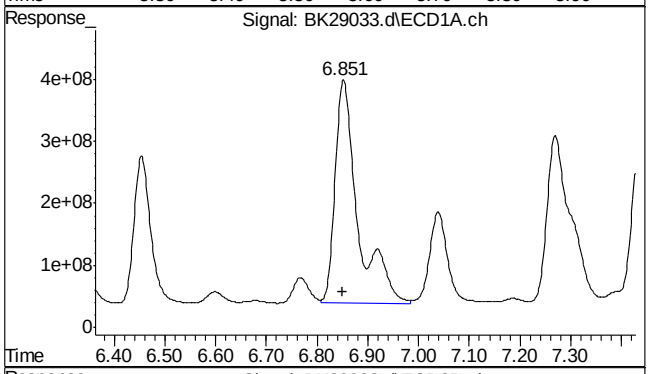
#7 AR1260-A

R.T.: 6.454 min
Delta R.T.: 0.000 min
Response: 5465606578
Conc: 440.09 ppb



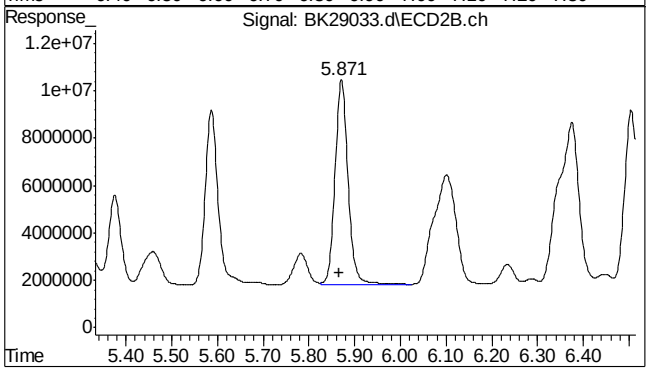
#7 AR1260-A

R.T.: 5.586 min
Delta R.T.: 0.005 min
Response: 143204421
Conc: 362.94 ppb m



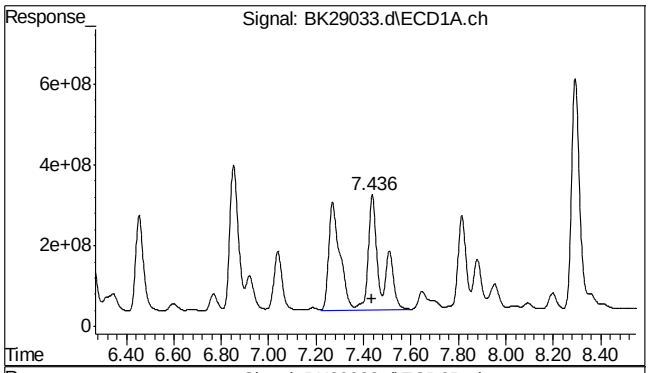
#8 AR1260-B

R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 11226608936
Conc: 442.37 ppb m



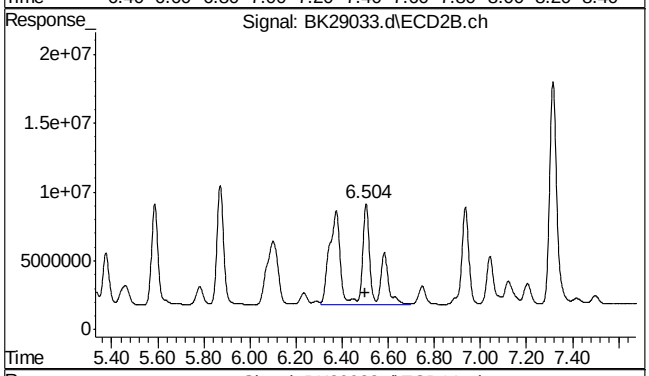
#8 AR1260-B

R.T.: 5.871 min
Delta R.T.: 0.004 min
Response: 170024131
Conc: 366.21 ppb m



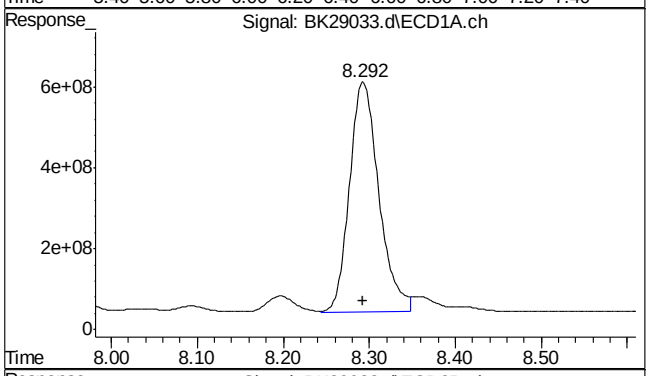
#9 AR1260-C

R.T.: 7.436 min
Delta R.T.: 0.000 min
Response: 18975766421
Conc: 427.14 ppb m



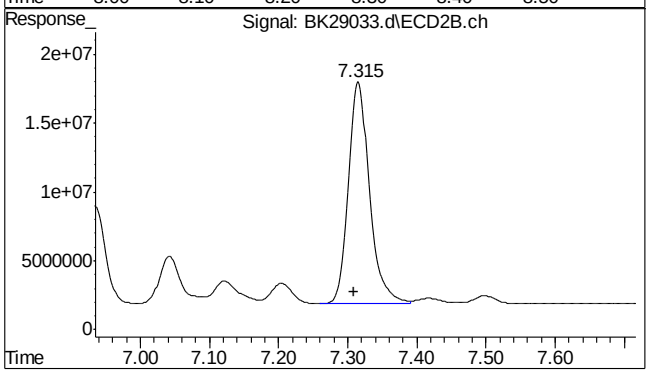
#9 AR1260-C

R.T.: 6.504 min
Delta R.T.: 0.005 min
Response: 455199970
Conc: 383.82 ppb m



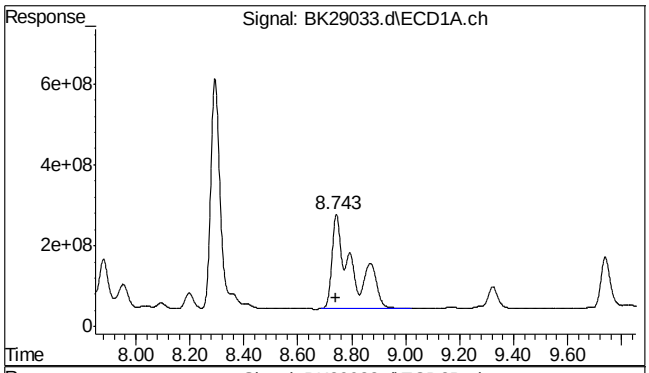
#10 AR1260-D

R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 13516397847
Conc: 430.23 ppb m



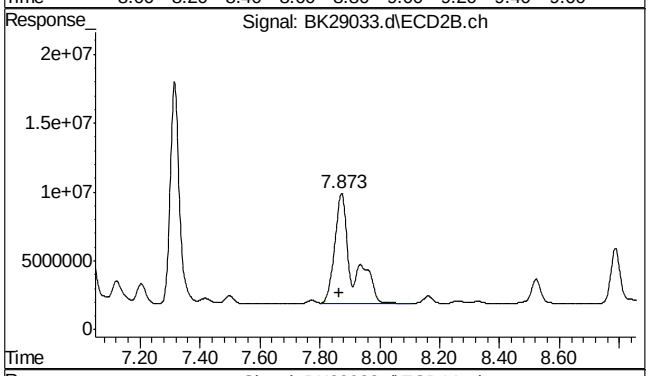
#10 AR1260-D

R.T.: 7.315 min
Delta R.T.: 0.006 min
Response: 338663658
Conc: 377.70 ppb m



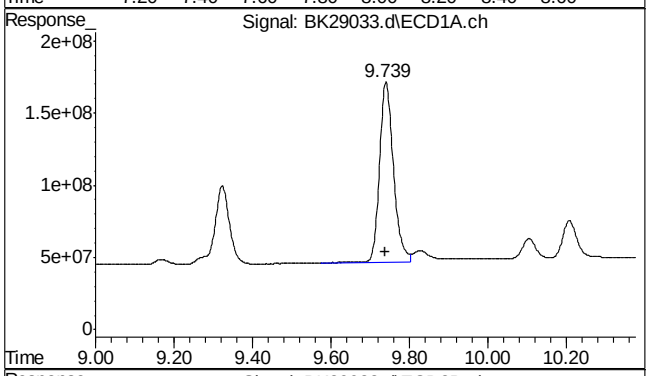
#11 AR1260-E

R.T.: 8.743 min
Delta R.T.: 0.001 min
Response: 12466377851
Conc: 420.11 ppb m



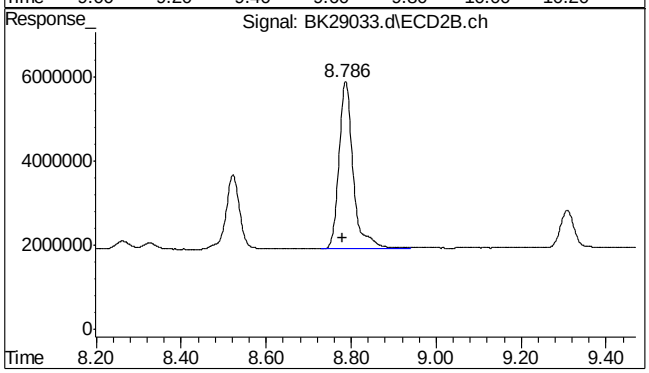
#11 AR1260-E

R.T.: 7.873 min
Delta R.T.: 0.006 min
Response: 329974794
Conc: 381.18 ppb m



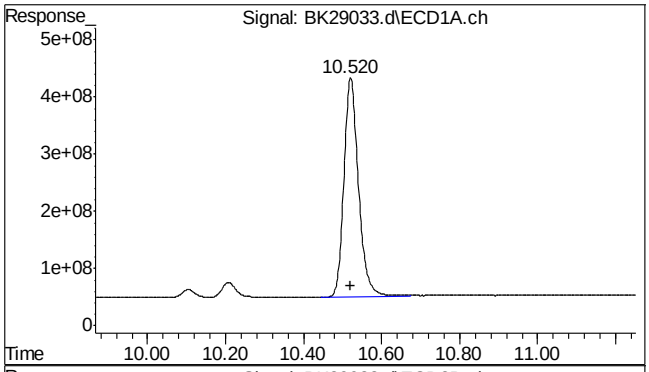
#12 AR1260-F

R.T.: 9.740 min
Delta R.T.: 0.000 min
Response: 3110691298
Conc: 426.49



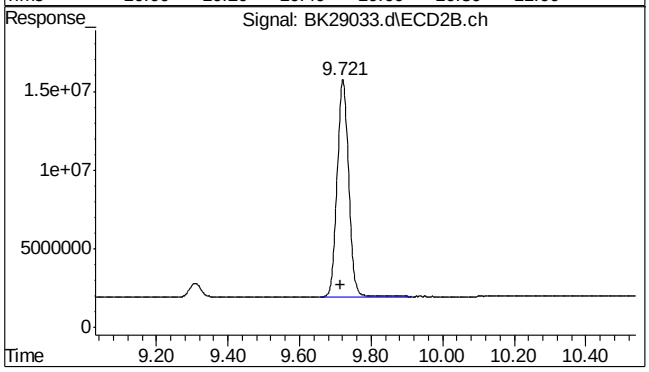
#12 AR1260-F

R.T.: 8.786 min
Delta R.T.: 0.005 min
Response: 93082943
Conc: 376.82 m



#13 DCB

R.T.: 10.520 min
Delta R.T.: 0.000 min
Response: 9919531173
Conc: 39.97 ppb m



#13 DCB

R.T.: 9.721 min
Delta R.T.: 0.006 min
Response: 307715630
Conc: 35.90 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/11/13 14:44

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29034.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 9:51 am
Operator : nickk
Sample : op34712-ms
Misc : op34712,gbk984,15.36,,,10,,s
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 10:39:02 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.005	2.305	7525.0E6	249.8E6	36.022m	31.729m
	Spiked Amount 40.000			Recovery	=	90.05%	79.32%
13) s	DCB	10.519	9.720	8725.9E6	274.6E6	35.164m	32.032m
	Spiked Amount 40.000			Recovery	=	87.91%	80.08%
	Target Compounds						
2)	AR1016-A	3.341	2.680	1513.8E6	41160708	355.388	311.621m
3)	AR1016-B	3.702	3.015	3171.8E6	95294054	389.800	318.018m
4)	AR1016-C	4.206	3.433	6205.5E6	175.7E6	357.521m	304.035
5)	AR1016-D	4.359	3.564	4323.8E6	73036442	382.139m	326.512
6)	AR1016-E	4.840	4.046	2982.4E6	90669418	405.542m	326.057m
7)	AR1260-A	6.461	5.586	7949.7E6	134.1E6	640.113m	339.949m#
8)	AR1260-B	6.852	5.871	6389.2E6	154.0E6	251.755m	331.662 #
10)	AR1260-D	8.293	7.314	12438.5E6	307.0E6	395.916	342.345m
11)	AR1260-E	8.742	7.870	12476.1E6	311.4E6	420.440m	359.702m
12)	AR1260-F	9.739	8.787	2842.4E6	85241375	389.703	345.078m

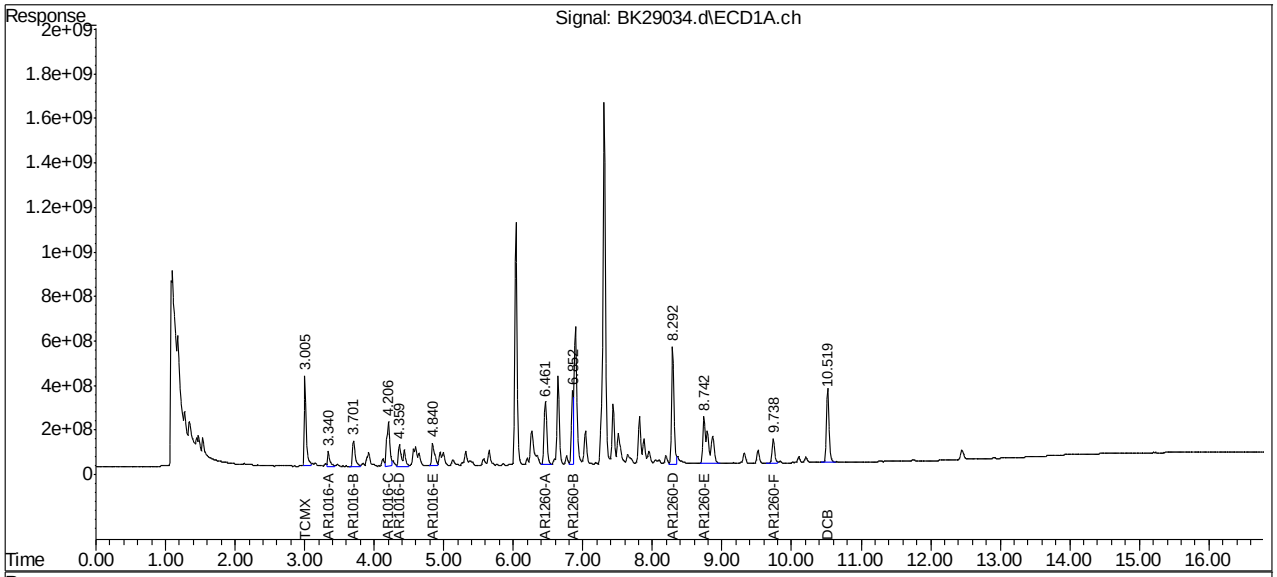
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

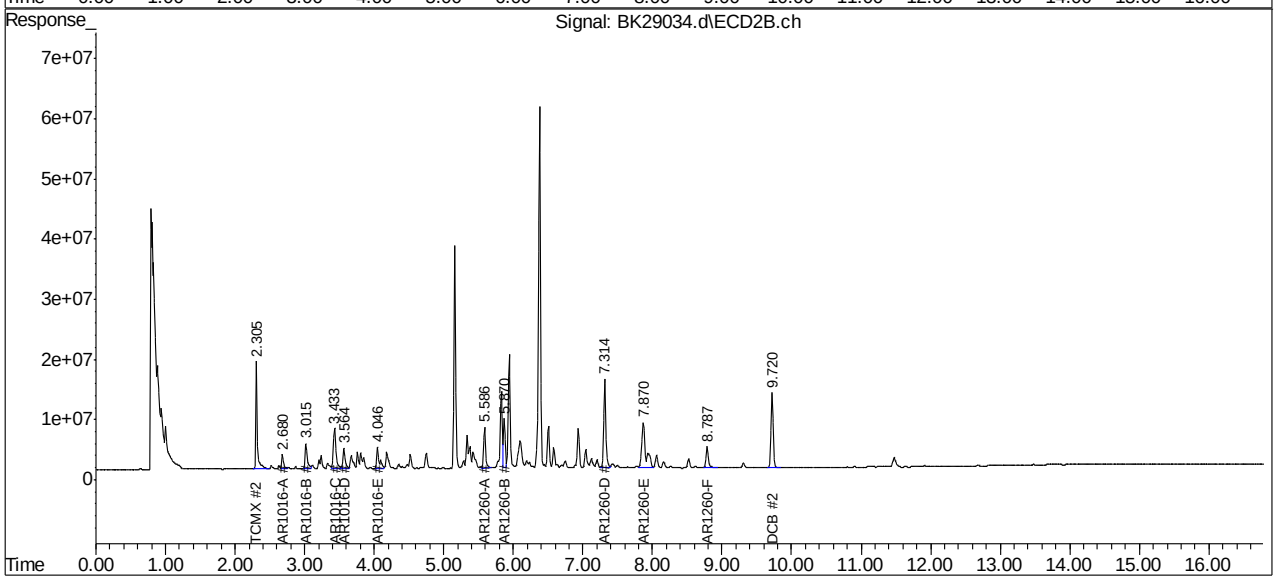
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29034.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 9:51 am
Operator : nickk
Sample : op34712-ms
Misc : op34712,gbk984,15.36,,,10,,s
ALS Vial : 3 Sample Multiplier: 1

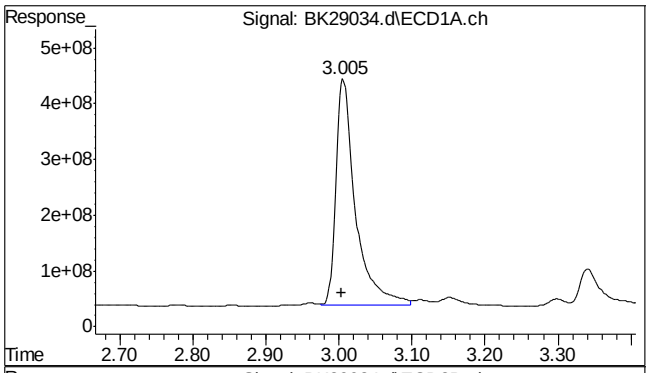
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 10:39:02 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



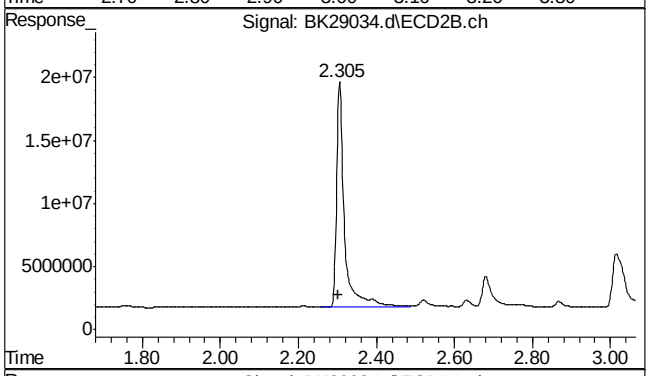


ACCUTEST LABORATORIES MC24064



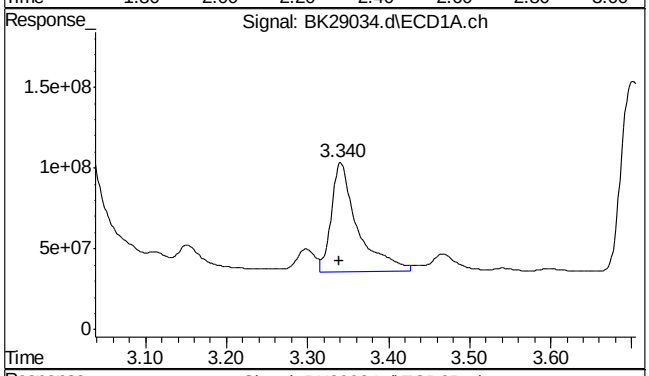
#1 TCMX

R.T.: 3.005 min
Delta R.T.: 0.001 min
Response: 7525002853
Conc: 36.02 ppb m



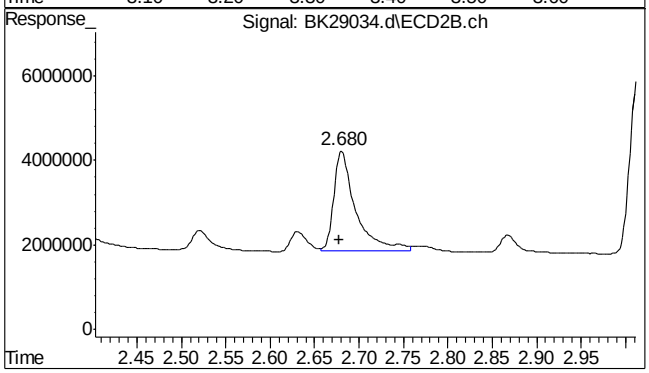
#1 TCMX

R.T.: 2.305 min
Delta R.T.: 0.002 min
Response: 249844302
Conc: 31.73 ppb m



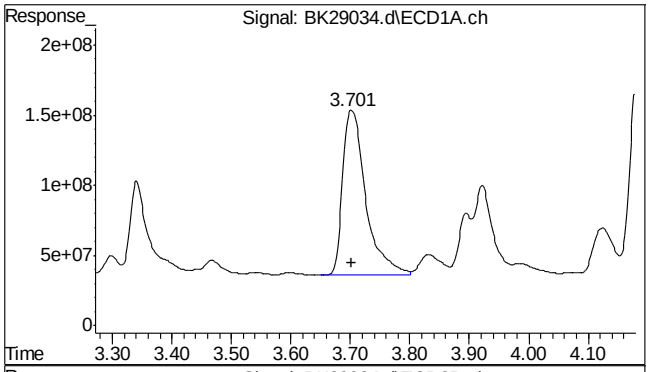
#2 AR1016-A

R.T.: 3.341 min
Delta R.T.: 0.001 min
Response: 1513821459
Conc: 355.39 ppb



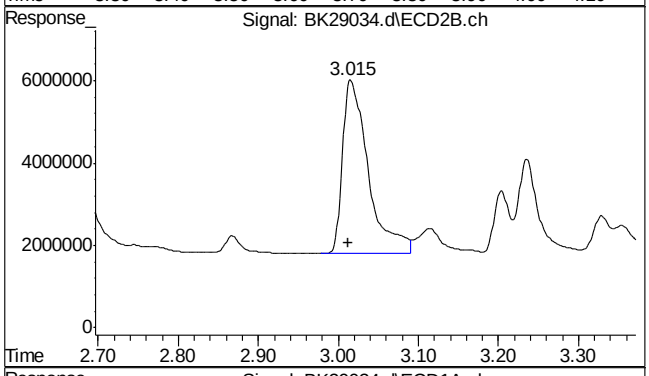
#2 AR1016-A

R.T.: 2.680 min
Delta R.T.: 0.002 min
Response: 41160708
Conc: 311.62 ppb m



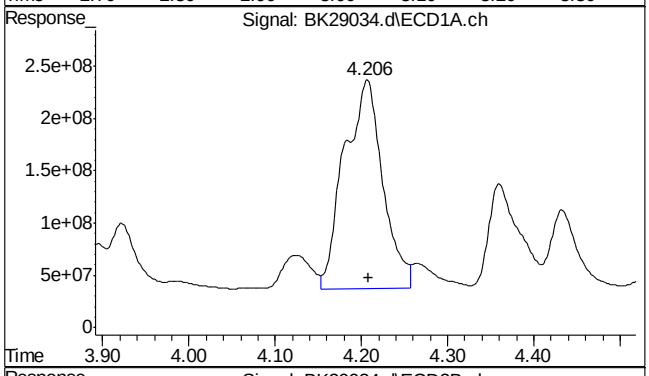
#3 AR1016-B

R.T.: 3.702 min
Delta R.T.: 0.000 min
Response: 3171774997
Conc: 389.80 ppb



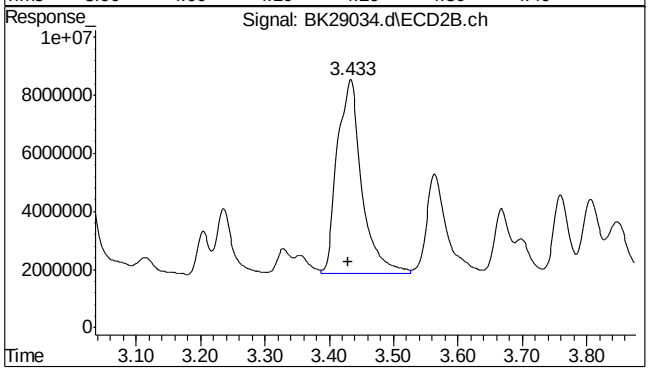
#3 AR1016-B

R.T.: 3.015 min
Delta R.T.: 0.002 min
Response: 95294054
Conc: 318.02 ppb m



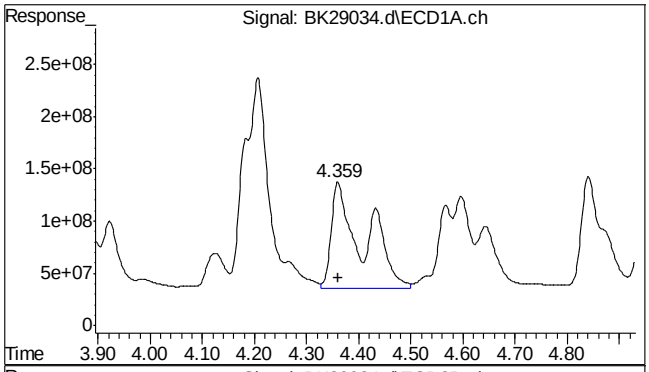
#4 AR1016-C

R.T.: 4.206 min
Delta R.T.: -0.002 min
Response: 6205513215
Conc: 357.52 ppb m



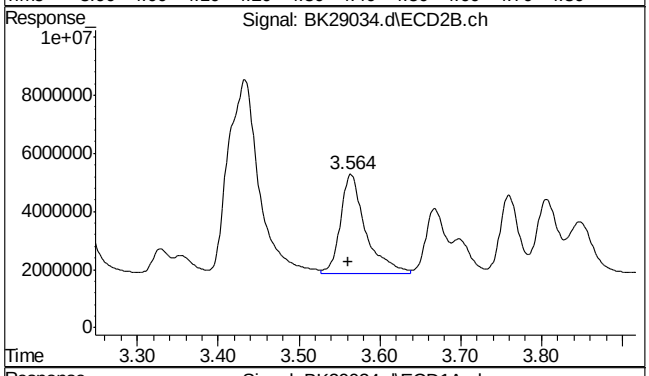
#4 AR1016-C

R.T.: 3.433 min
Delta R.T.: 0.003 min
Response: 175690526
Conc: 304.03 ppb



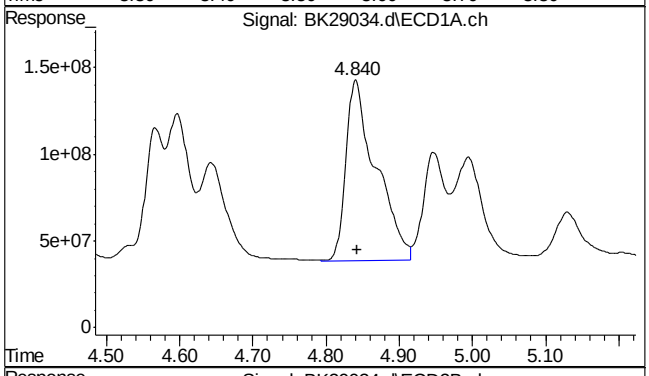
#5 AR1016-D

R.T.: 4.359 min
Delta R.T.: -0.002 min
Response: 4323789916
Conc: 382.14 m



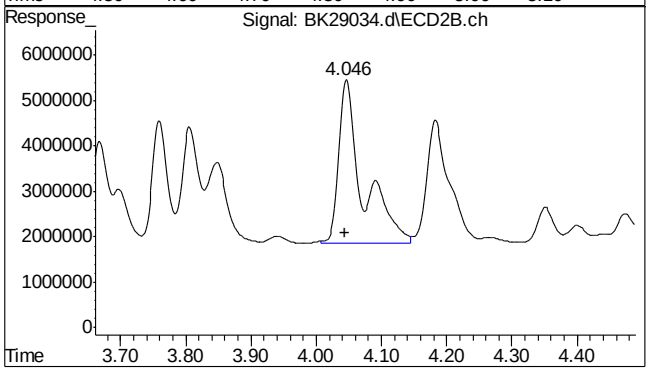
#5 AR1016-D

R.T.: 3.564 min
Delta R.T.: 0.004 min
Response: 73036442
Conc: 326.51



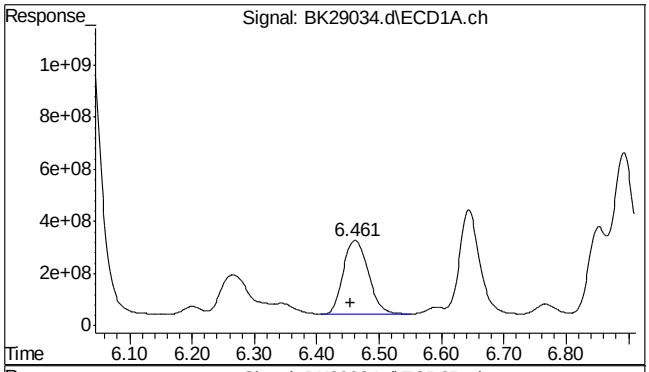
#6 AR1016-E

R.T.: 4.840 min
Delta R.T.: -0.003 min
Response: 2982400201
Conc: 405.54 m



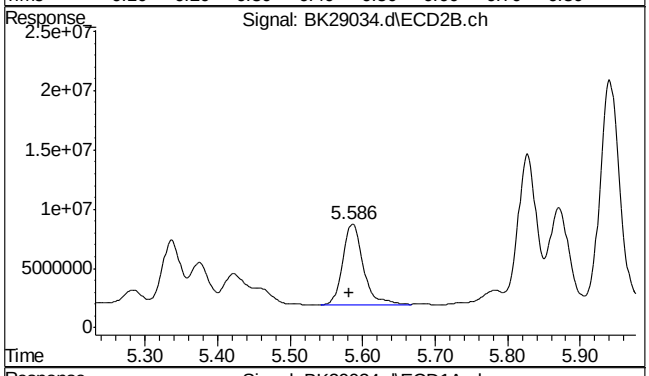
#6 AR1016-E

R.T.: 4.046 min
Delta R.T.: 0.003 min
Response: 90669418
Conc: 326.06 m



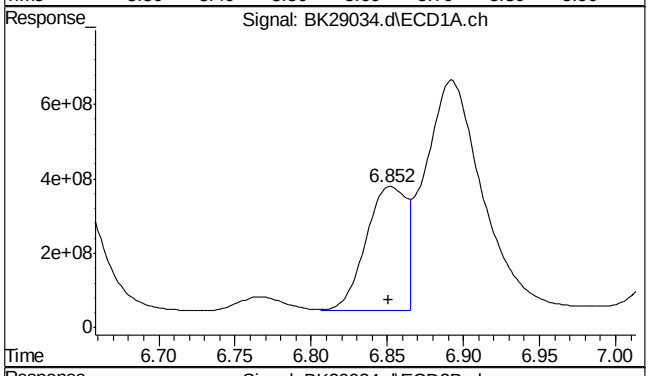
#7 AR1260-A

R.T.: 6.461 min
Delta R.T.: 0.007 min
Response: 7949720008
Conc: 640.11 ppb m



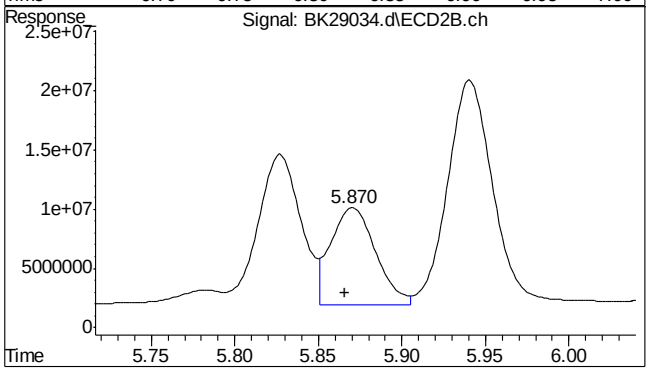
#7 AR1260-A

R.T.: 5.586 min
Delta R.T.: 0.004 min
Response: 134133450
Conc: 339.95 ppb m



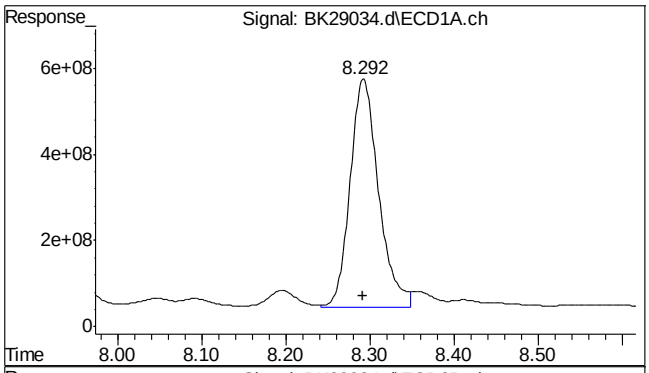
#8 AR1260-B

R.T.: 6.852 min
Delta R.T.: 0.000 min
Response: 6389156562
Conc: 251.75 ppb m



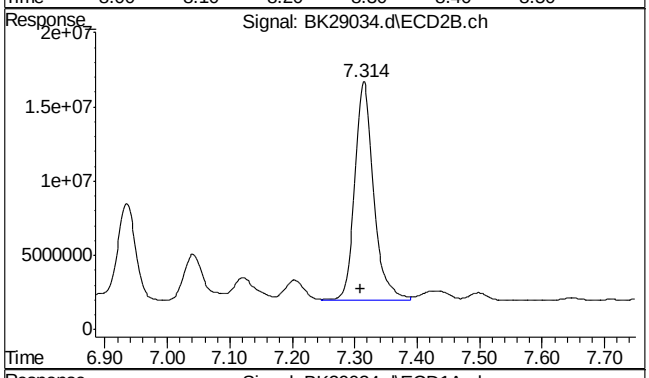
#8 AR1260-B

R.T.: 5.871 min
Delta R.T.: 0.005 min
Response: 153985183
Conc: 331.66 ppb



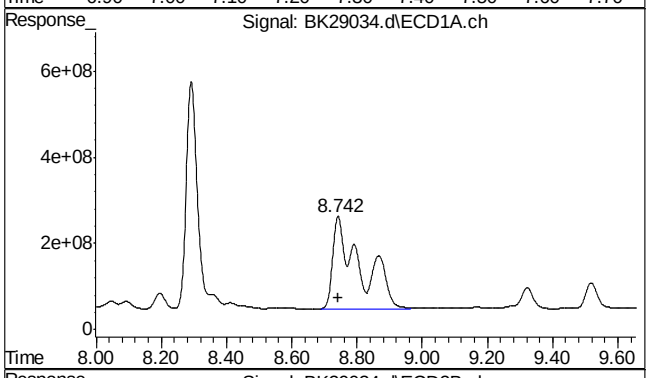
#10 AR1260-D

R.T.: 8.293 min
Delta R.T.: 0.000 min
Response: 12438481308
Conc: 395.92 ppb



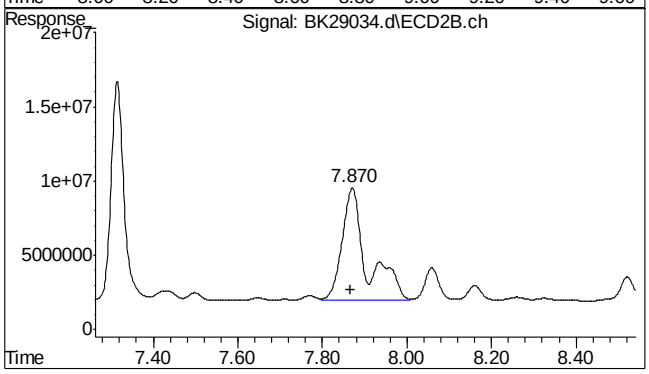
#10 AR1260-D

R.T.: 7.314 min
Delta R.T.: 0.005 min
Response: 306961933
Conc: 342.35 ppb m



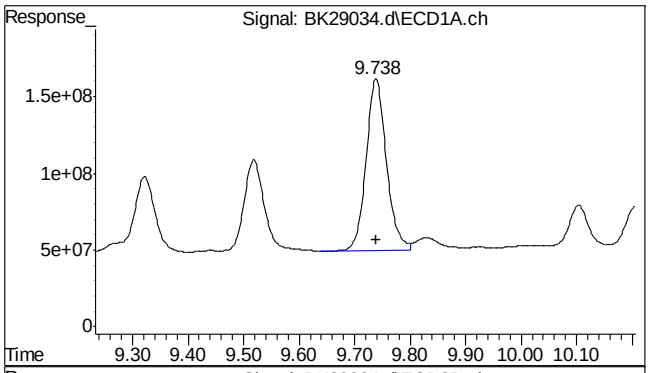
#11 AR1260-E

R.T.: 8.742 min
Delta R.T.: 0.000 min
Response: 12476060594
Conc: 420.44 ppb m



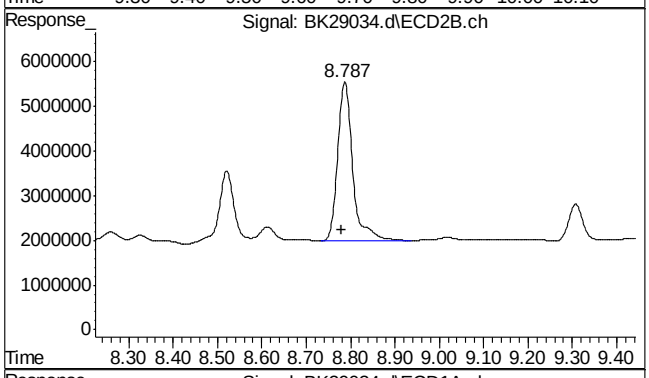
#11 AR1260-E

R.T.: 7.870 min
Delta R.T.: 0.004 min
Response: 311382441
Conc: 359.70 ppb m



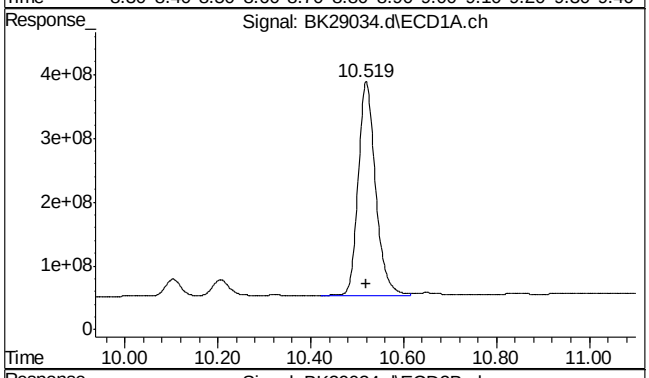
#12 AR1260-F

R.T.: 9.739 min
Delta R.T.: 0.000 min
Response: 2842405350
Conc: 389.70



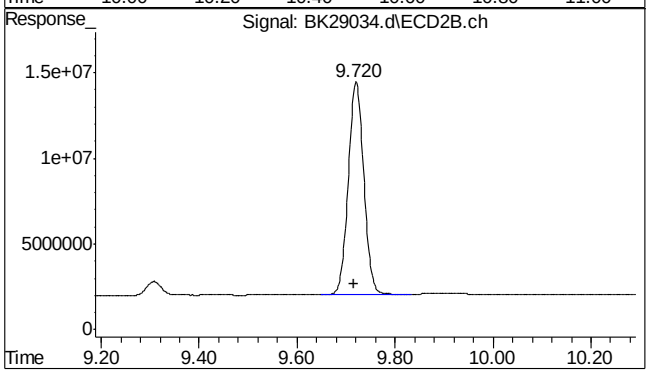
#12 AR1260-F

R.T.: 8.787 min
Delta R.T.: 0.006 min
Response: 85241375
Conc: 345.08 m



#13 DCB

R.T.: 10.519 min
Delta R.T.: 0.000 min
Response: 8725941337
Conc: 35.16 ppb m



#13 DCB

R.T.: 9.720 min
Delta R.T.: 0.005 min
Response: 274576415
Conc: 32.03 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/11/13 14:44

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29035.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 10:10 am
Operator : nickk
Sample : op34712-msd
Misc : op34712,gbk984,15.46,,,10,,s
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 10:41:13 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.004	2.305	8274.9E6	274.5E6	39.612m	34.858m
	Spiked Amount 40.000			Recovery	=	99.03%	87.14%
13) s	DCB	10.519	9.720	9823.5E6	307.6E6	39.586m	35.886m
	Spiked Amount 40.000			Recovery	=	98.96%	89.72%
	Target Compounds						
2)	AR1016-A	3.340	2.680	3183.6E6	92706666	747.396	701.866m
3)	AR1016-B	3.703	3.015	6727.7E6	195.3E6	826.812	651.709m
4)	AR1016-C	4.207	3.434	13531.1E6	389.0E6	779.572m	673.116
5)	AR1016-D	4.360	3.565	8961.1E6	149.2E6	791.987m	666.991
6)	AR1016-E	4.840	4.046	5856.1E6	191.9E6	796.306m	690.103m
7)	AR1260-A	6.457	5.587	14300.3E6	284.9E6	1151.463m	721.971 #
8)	AR1260-B	6.853	5.871	15828.9E6	334.8E6	623.712	721.082
10)	AR1260-D	8.292	7.315	27064.8E6	699.3E6	861.472m	779.873
11)	AR1260-E	8.741	7.871	26640.3E6	670.4E6	897.771m	774.408m
12)	AR1260-F	9.738	8.786	6281.3E6	187.1E6	861.191m	757.305m

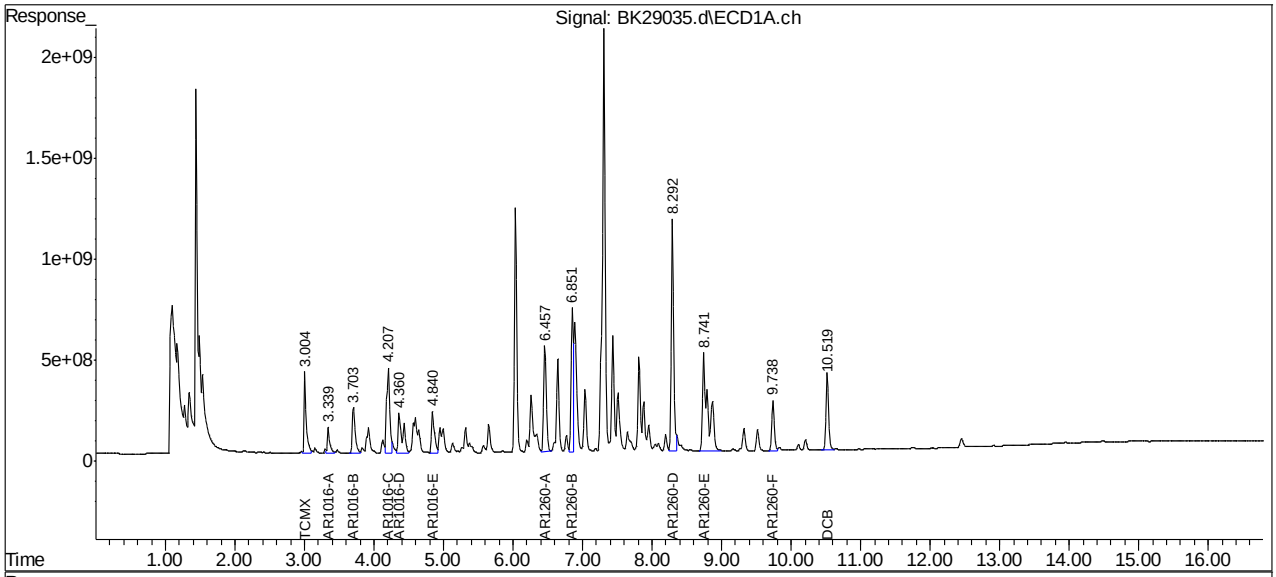
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

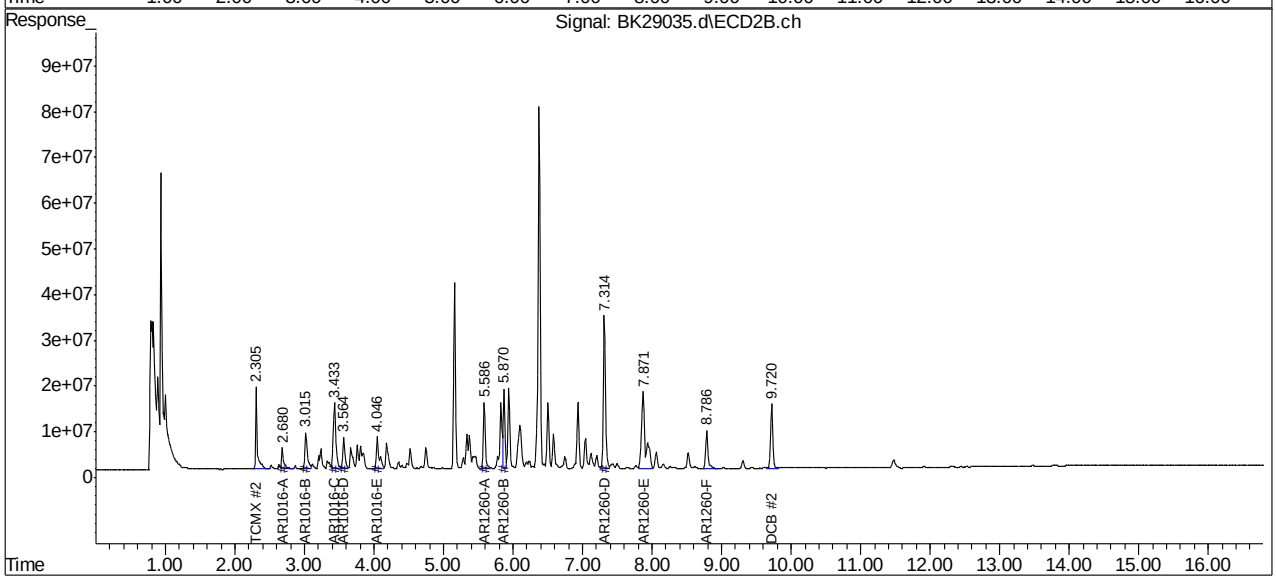
Quantitation Report (QT Reviewed)

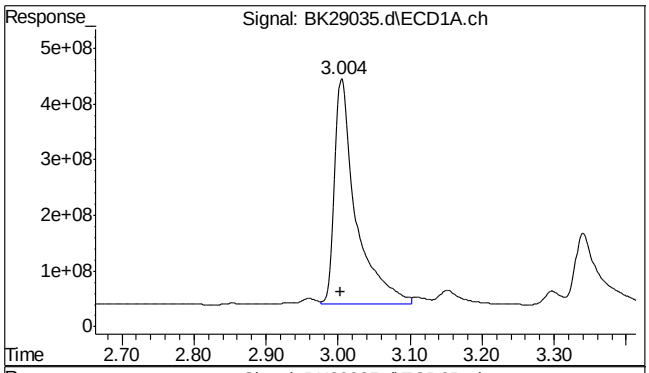
Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29035.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 10:10 am
Operator : nickk
Sample : op34712-msd
Misc : op34712,gbk984,15.46,,,10,,s
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 10:41:13 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

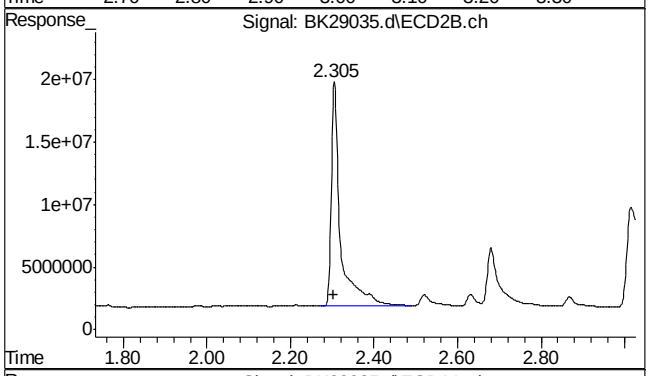






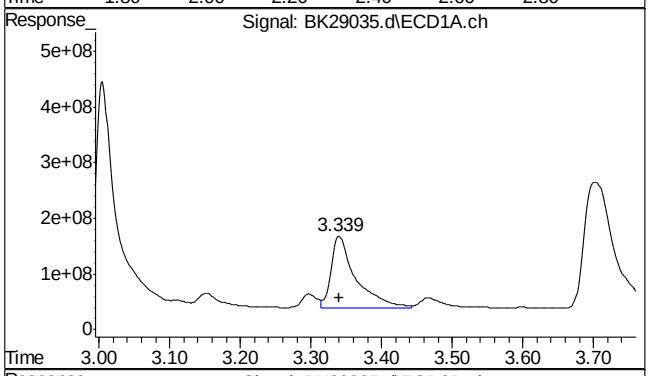
#1 TCMX

R.T.: 3.004 min
Delta R.T.: 0.000 min
Response: 8274913638
Conc: 39.61 ppb m



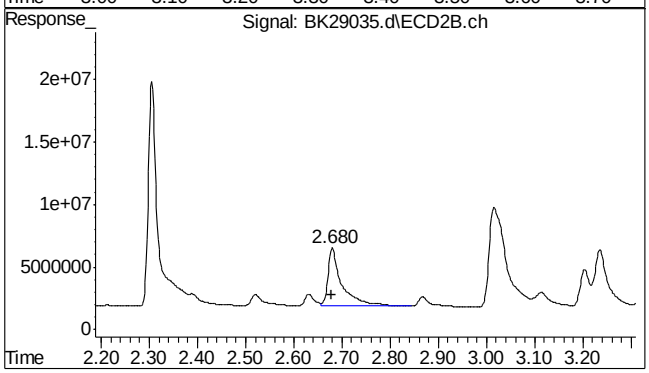
#1 TCMX

R.T.: 2.305 min
Delta R.T.: 0.002 min
Response: 274481248
Conc: 34.86 ppb m



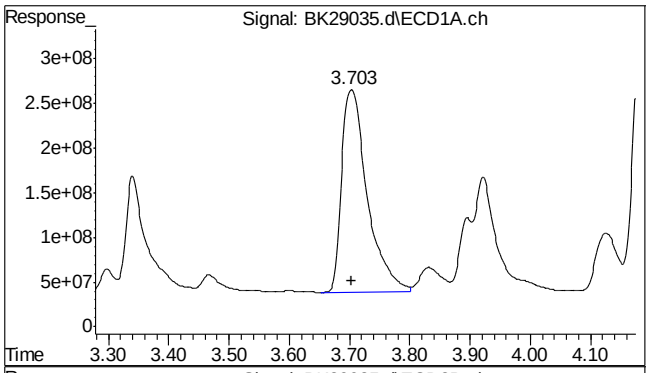
#2 AR1016-A

R.T.: 3.340 min
Delta R.T.: 0.000 min
Response: 3183631045
Conc: 747.40 ppb



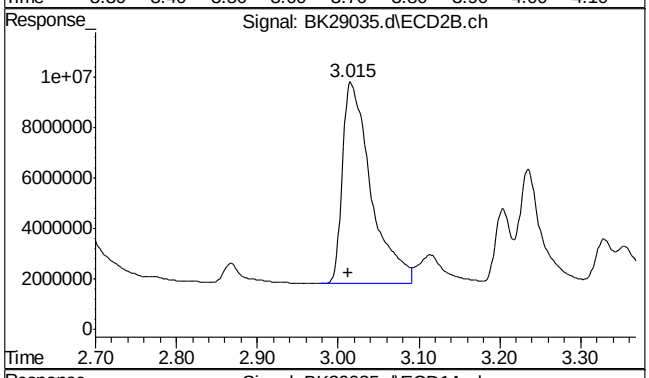
#2 AR1016-A

R.T.: 2.680 min
Delta R.T.: 0.002 min
Response: 92706666
Conc: 701.87 ppb m



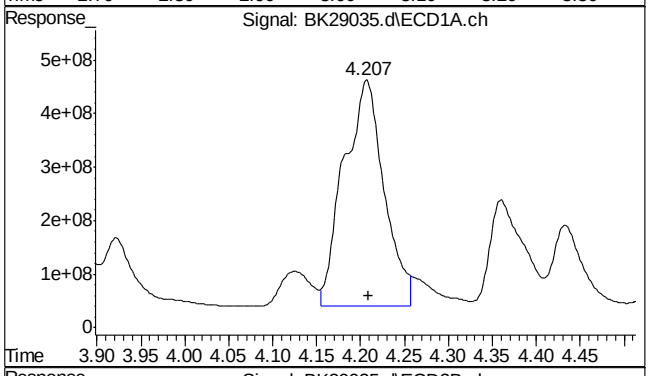
#3 AR1016-B

R.T.: 3.703 min
Delta R.T.: 0.000 min
Response: 6727719874
Conc: 826.81 ppb



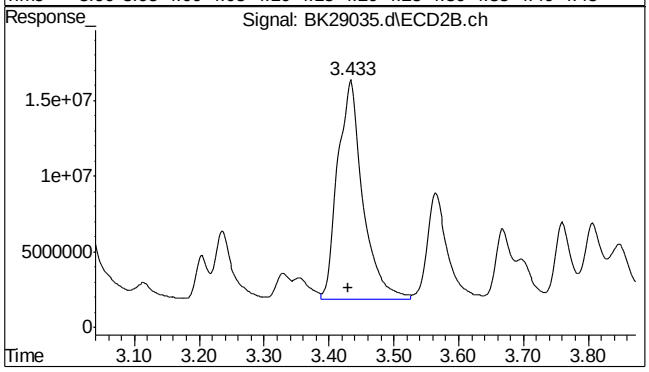
#3 AR1016-B

R.T.: 3.015 min
Delta R.T.: 0.002 min
Response: 195284783
Conc: 651.71 ppb m



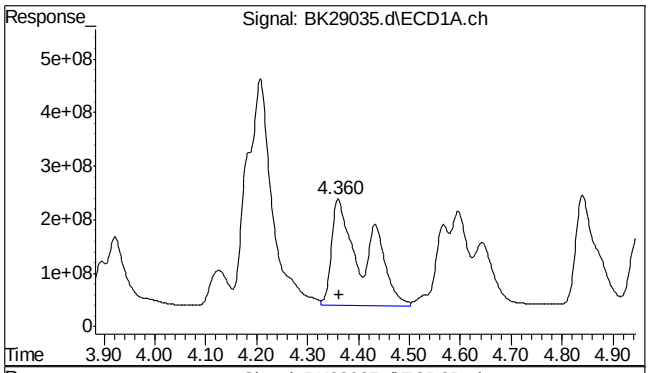
#4 AR1016-C

R.T.: 4.207 min
Delta R.T.: -0.002 min
Response: 13531063060
Conc: 779.57 ppb m



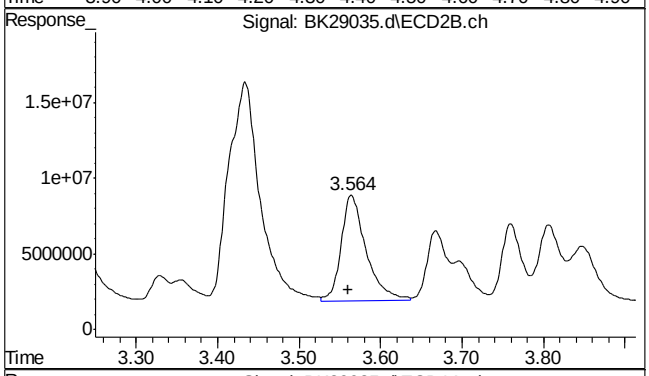
#4 AR1016-C

R.T.: 3.434 min
Delta R.T.: 0.004 min
Response: 388968873
Conc: 673.12 ppb



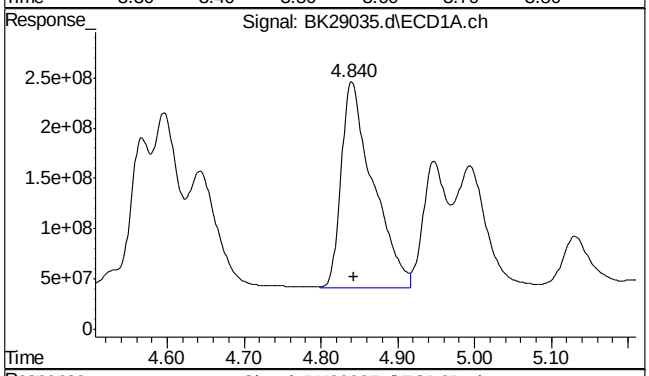
#5 AR1016-D

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 8961104586
Conc: 791.99 m



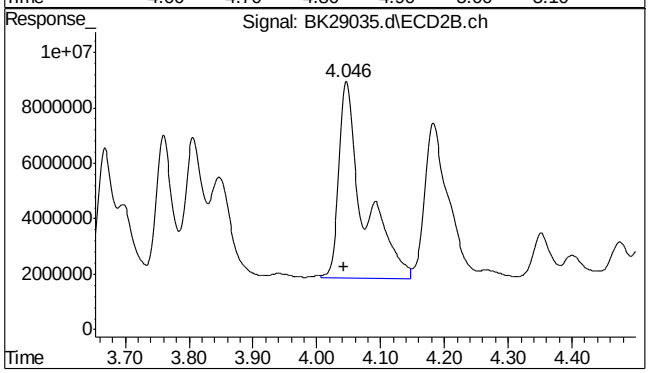
#5 AR1016-D

R.T.: 3.565 min
Delta R.T.: 0.004 min
Response: 149197342
Conc: 666.99



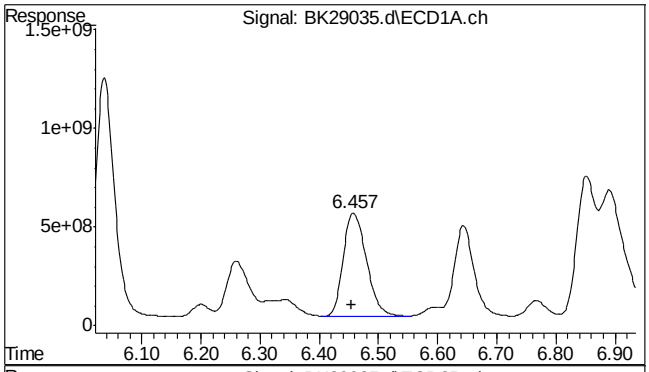
#6 AR1016-E

R.T.: 4.840 min
Delta R.T.: -0.003 min
Response: 5856114882
Conc: 796.31 m



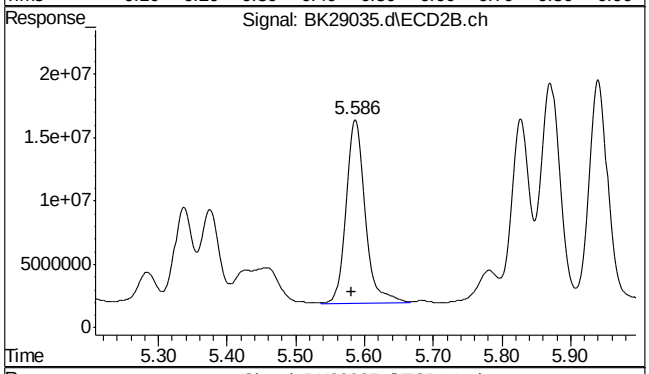
#6 AR1016-E

R.T.: 4.046 min
Delta R.T.: 0.003 min
Response: 191902873
Conc: 690.10 m



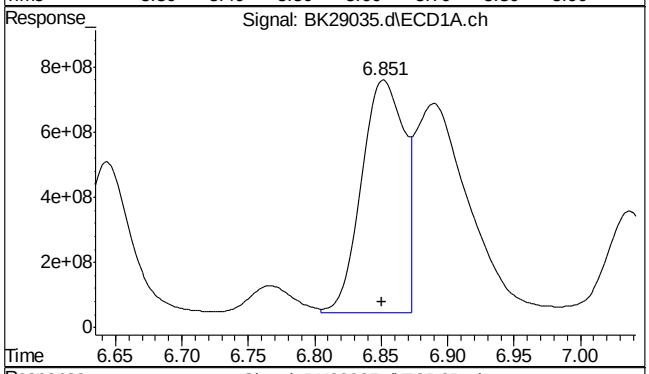
#7 AR1260-A

R.T.: 6.457 min
Delta R.T.: 0.002 min
Response: 14300286856
Conc: 1151.46 ppb m



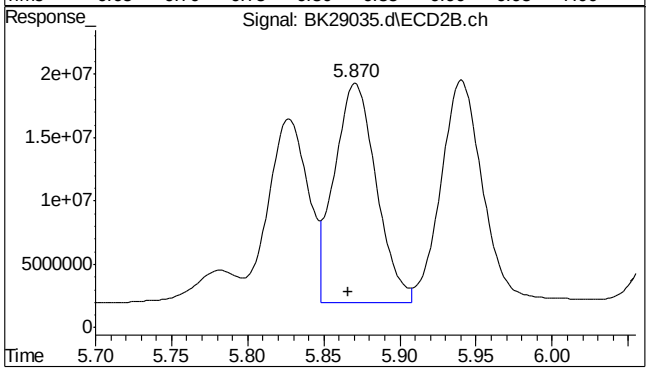
#7 AR1260-A

R.T.: 5.587 min
Delta R.T.: 0.005 min
Response: 284868048
Conc: 721.97 ppb



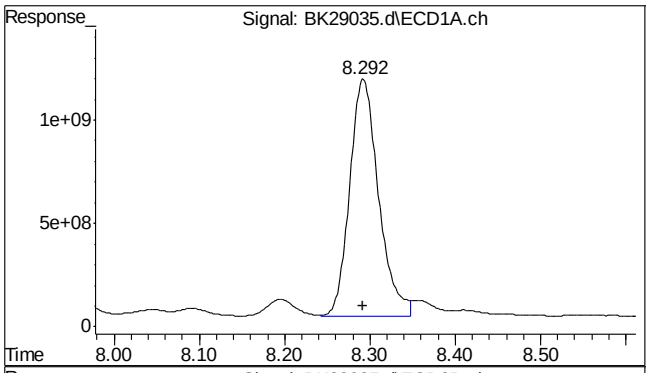
#8 AR1260-B

R.T.: 6.853 min
Delta R.T.: 0.002 min
Response: 15828876966
Conc: 623.71 ppb



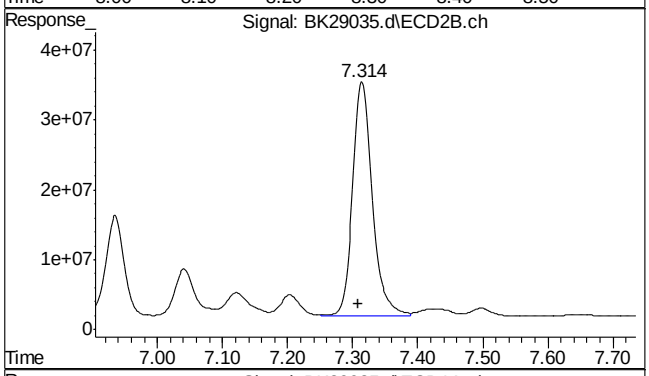
#8 AR1260-B

R.T.: 5.871 min
Delta R.T.: 0.005 min
Response: 334786715
Conc: 721.08 ppb



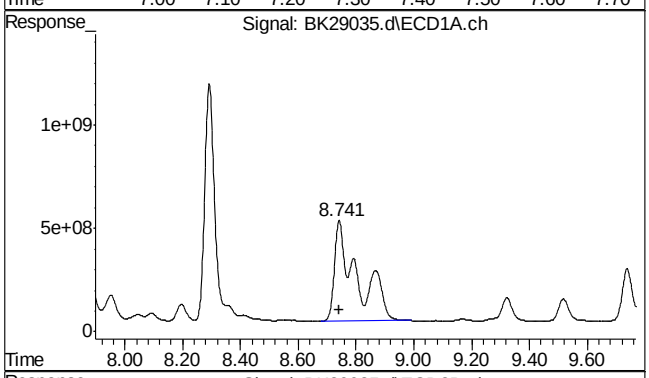
#10 AR1260-D

R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 27064822015
Conc: 861.47 ppb m



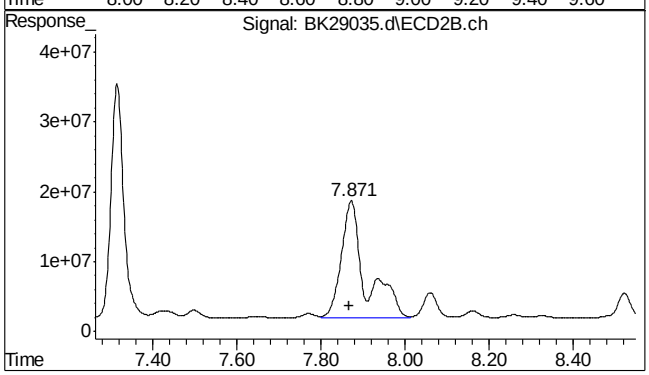
#10 AR1260-D

R.T.: 7.315 min
Delta R.T.: 0.006 min
Response: 699269417
Conc: 779.87 ppb



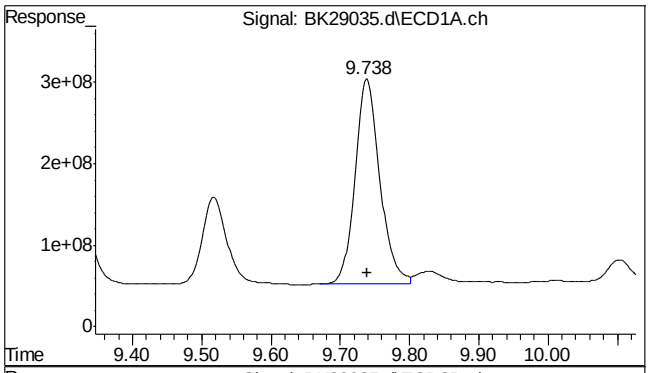
#11 AR1260-E

R.T.: 8.741 min
Delta R.T.: 0.000 min
Response: 26640292074
Conc: 897.77 ppb m



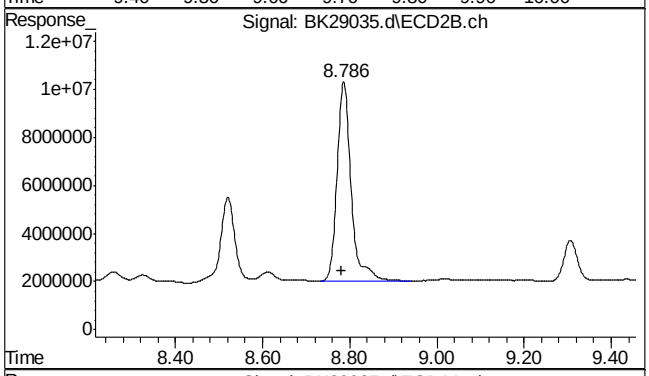
#11 AR1260-E

R.T.: 7.871 min
Delta R.T.: 0.005 min
Response: 670381196
Conc: 774.41 ppb m



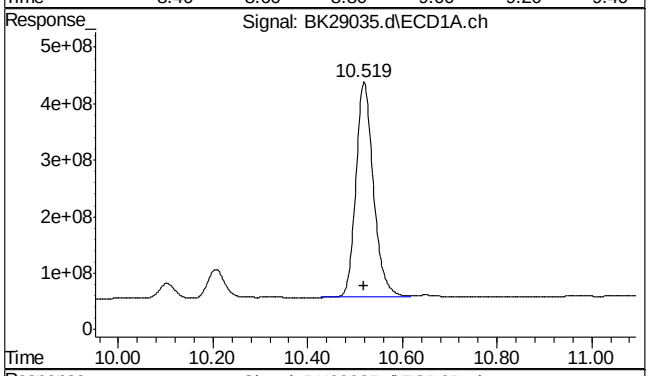
#12 AR1260-F

R.T.: 9.738 min
Delta R.T.: -0.001 min
Response: 6281333781
Conc: 861.19 m



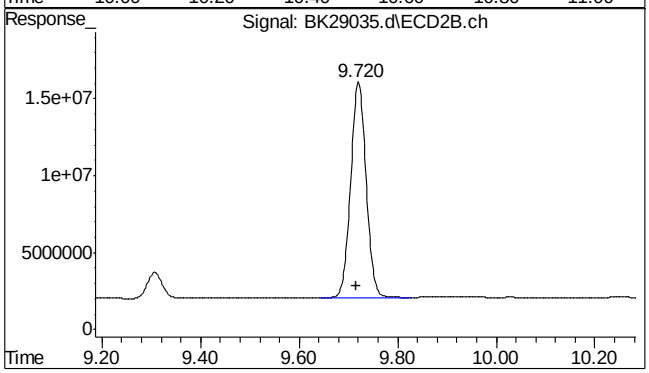
#12 AR1260-F

R.T.: 8.786 min
Delta R.T.: 0.005 min
Response: 187069854
Conc: 757.30 m



#13 DCB

R.T.: 10.519 min
Delta R.T.: -0.001 min
Response: 9823460391
Conc: 39.59 ppb m



#13 DCB

R.T.: 9.720 min
Delta R.T.: 0.004 min
Response: 307607822
Conc: 35.89 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28888.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 4:00 pm
Operator : nickk
Sample : ic979-1000,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:00:40 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 16:07:10 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.004	2.304	16912.1E6	640.6E6	91.119m	97.071m
	Spiked Amount 40.000			Recovery	= 227.80%	242.68%	
13) s	DCB	10.520	9.715	18625.9E6	649.3E6	78.119m	81.518m
	Spiked Amount 40.000			Recovery	= 195.30%	203.79%	
	Target Compounds						
2)	AR1016-A	3.340	2.678	4089.9E6	126.1E6	778.136m	959.351m
3)	AR1016-B	3.702	3.013	8469.1E6	291.1E6	1167.634m	1124.050m
4)	AR1016-C	4.210	3.430	17467.2E6	579.4E6	968.596	1111.458m
5)	AR1016-D	4.361	3.561	11530.7E6	221.3E6	1135.974m	1084.271m
6)	AR1016-E	4.842	4.043	7457.8E6	277.0E6	1126.367m	1139.296m
7)	AR1260-A	6.454	5.581	12402.4E6	389.5E6	1077.423	1115.768m
8)	AR1260-B	6.851	5.865	25588.1E6	461.9E6	1079.003m	1060.494m
9)	AR1260-C	7.436f	6.499	45731.0E6	1200.7E6	1093.461m	1093.934m
10)	AR1260-D	8.293	7.309	32645.1E6	932.4E6	1094.579m	1094.966m
11)	AR1260-E	8.741	7.867	30068.6E6	881.0E6	1057.048m	1087.688m
12)	AR1260-F	9.739	8.782	7529.2E6	250.7E6	1051.140m	1074.068

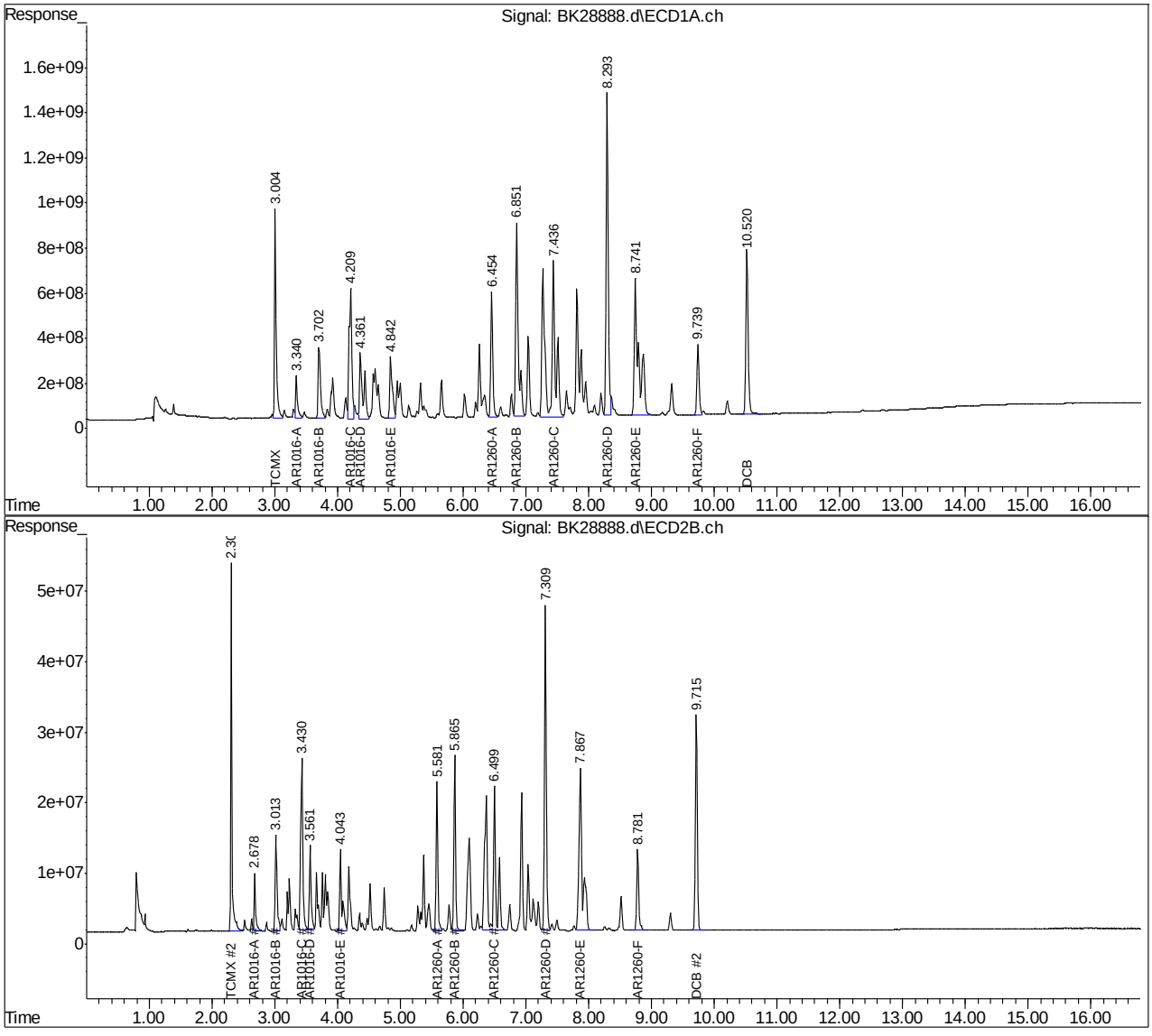
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

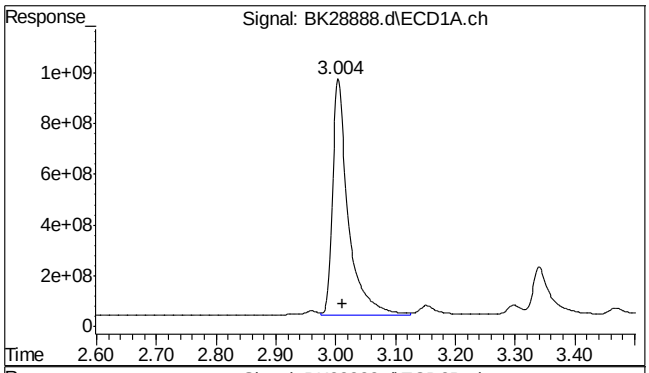
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28888.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 4:00 pm
Operator : nickk
Sample : ic979-1000,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:00:40 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 16:07:10 2013
Response via : Initial Calibration
Integrator: ChemStation

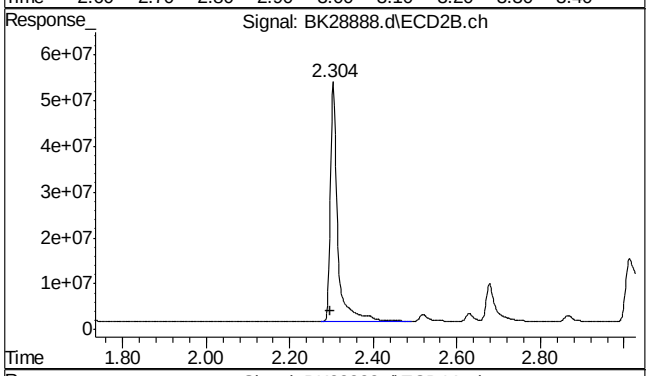
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





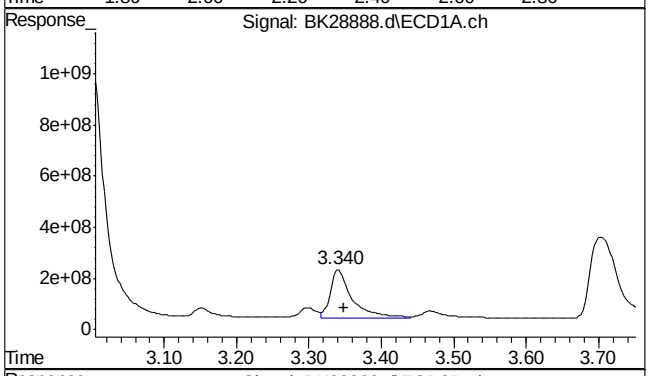
#1 TCMX

R.T.: 3.004 min
Delta R.T.: -0.007 min
Response: 16912118597
Conc: 91.12 ppb m



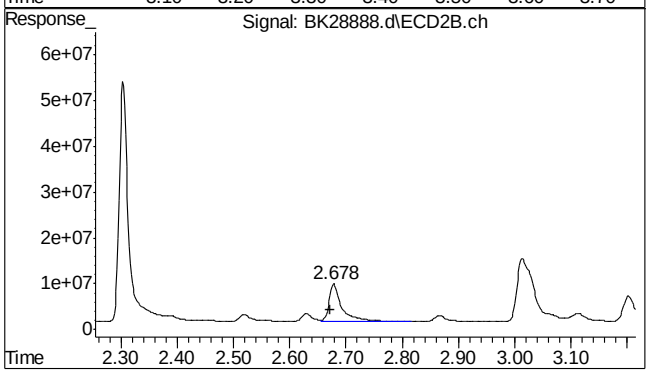
#1 TCMX

R.T.: 2.304 min
Delta R.T.: 0.006 min
Response: 640583829
Conc: 97.07 ppb m



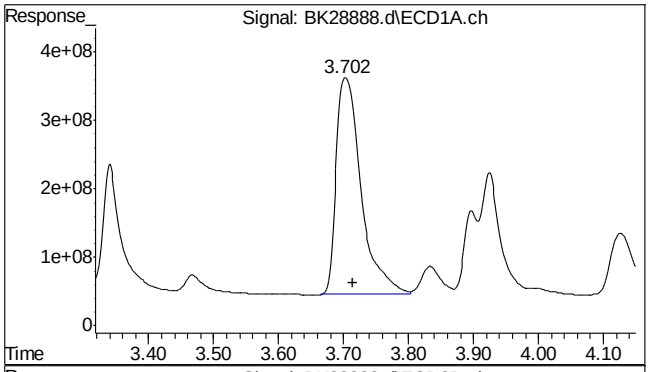
#2 AR1016-A

R.T.: 3.340 min
Delta R.T.: -0.008 min
Response: 4089855237
Conc: 778.14 ppb m



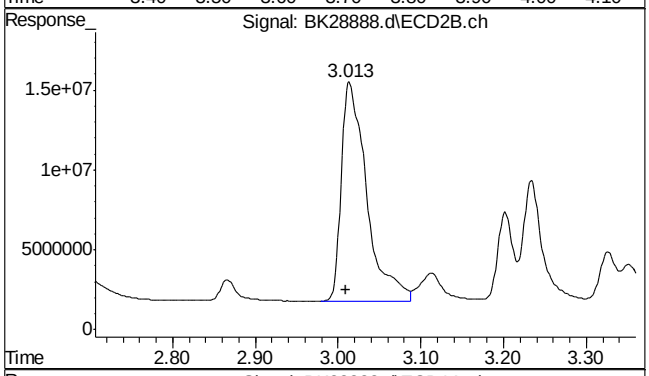
#2 AR1016-A

R.T.: 2.678 min
Delta R.T.: 0.005 min
Response: 126141190
Conc: 959.35 ppb m



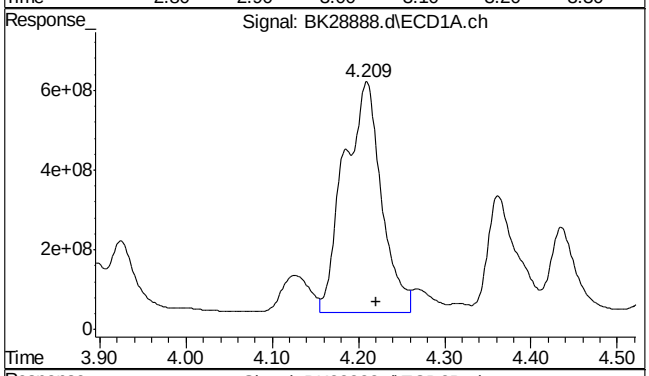
#3 AR1016-B

R.T.: 3.702 min
Delta R.T.: -0.012 min
Response: 8469098376
Conc: 1167.63 ppb m



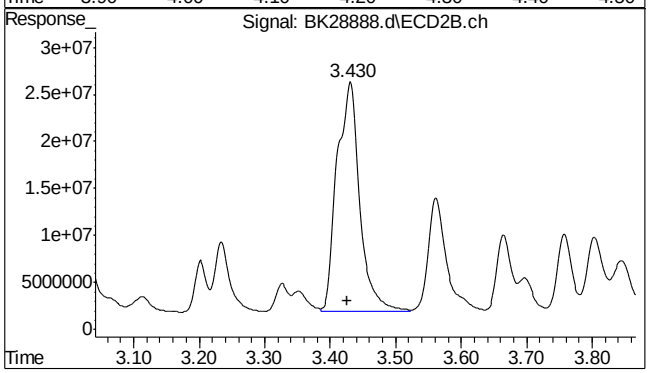
#3 AR1016-B

R.T.: 3.013 min
Delta R.T.: 0.004 min
Response: 291115032
Conc: 1124.05 ppb m



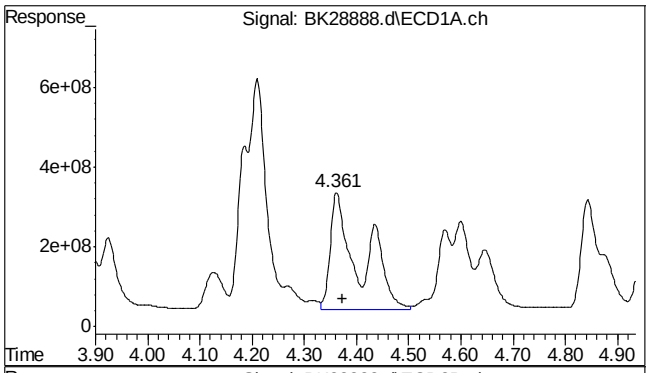
#4 AR1016-C

R.T.: 4.210 min
Delta R.T.: -0.011 min
Response: 17467235985
Conc: 968.60 ppb



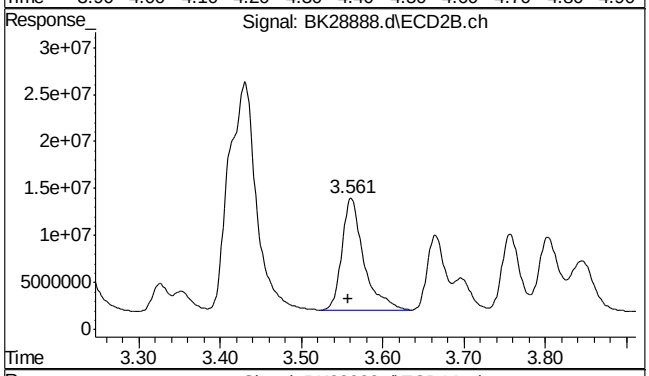
#4 AR1016-C

R.T.: 3.430 min
Delta R.T.: 0.004 min
Response: 579419604
Conc: 1111.46 ppb m



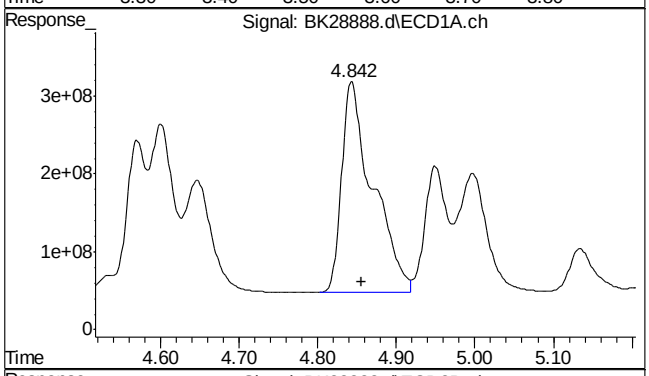
#5 AR1016-D

R.T.: 4.361 min
Delta R.T.: -0.012 min
Response: 11530729578
Conc: 1135.97 m



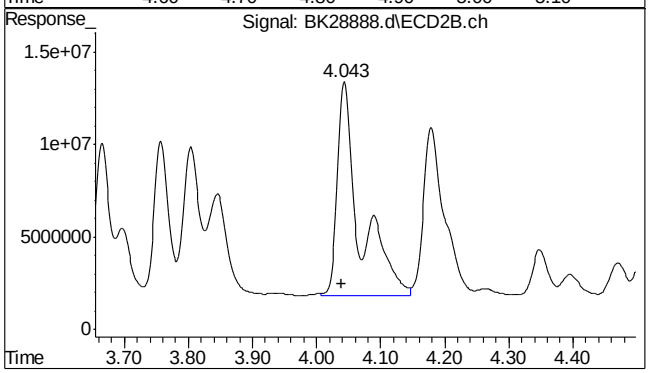
#5 AR1016-D

R.T.: 3.561 min
Delta R.T.: 0.003 min
Response: 221295092
Conc: 1084.27 m



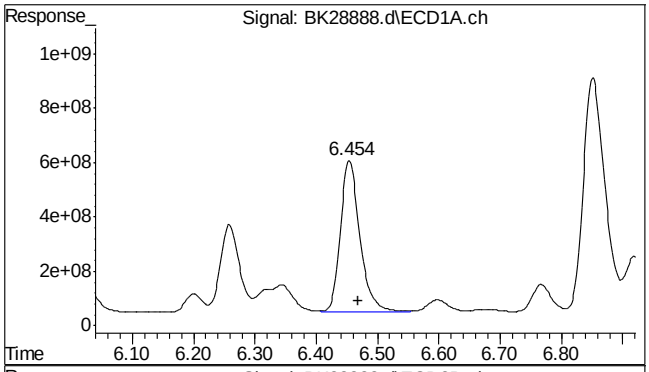
#6 AR1016-E

R.T.: 4.842 min
Delta R.T.: -0.014 min
Response: 7457837666
Conc: 1126.37 m



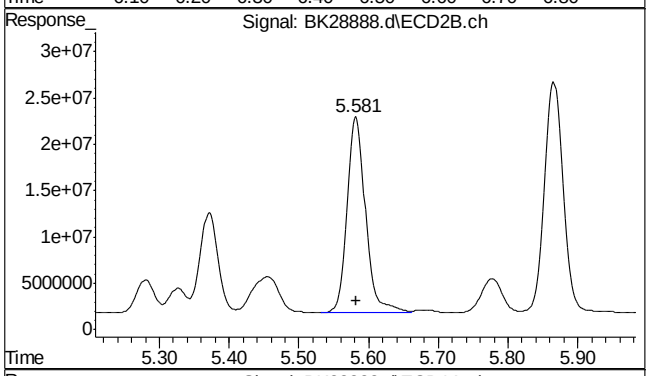
#6 AR1016-E

R.T.: 4.043 min
Delta R.T.: 0.003 min
Response: 276974578
Conc: 1139.30 m



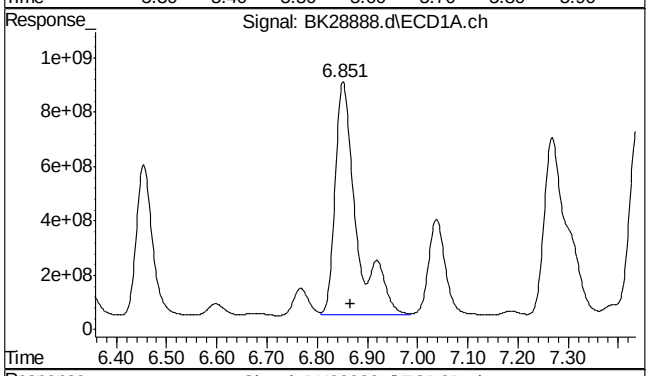
#7 AR1260-A

R.T.: 6.454 min
Delta R.T.: -0.014 min
Response: 12402387462
Conc: 1077.42 ppb



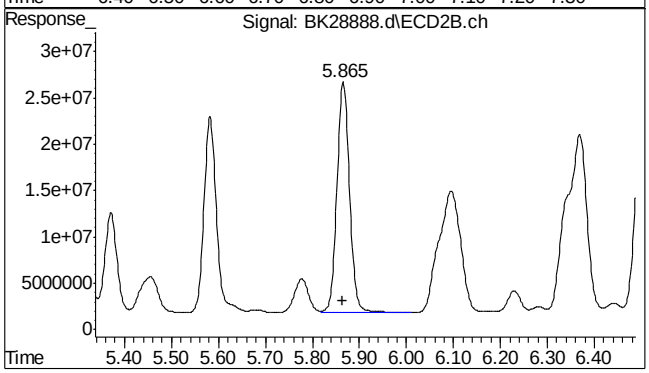
#7 AR1260-A

R.T.: 5.581 min
Delta R.T.: 0.000 min
Response: 389482035
Conc: 1115.77 ppb m



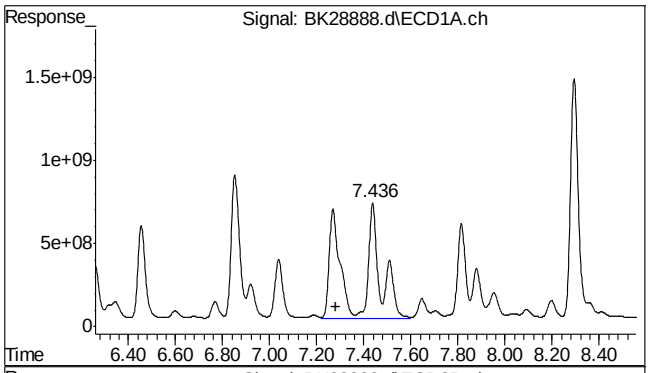
#8 AR1260-B

R.T.: 6.851 min
Delta R.T.: -0.014 min
Response: 25588127448
Conc: 1079.00 ppb m



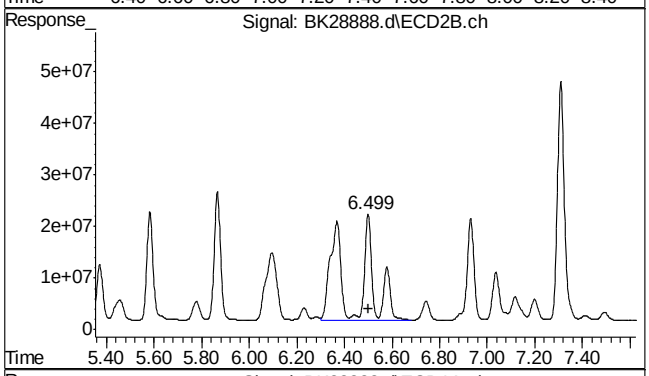
#8 AR1260-B

R.T.: 5.865 min
Delta R.T.: 0.000 min
Response: 461947343
Conc: 1060.49 ppb m



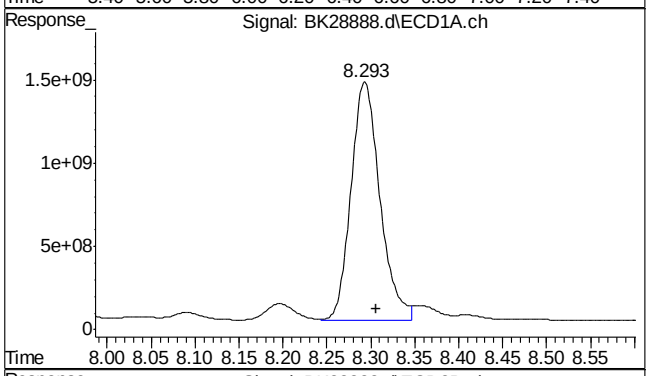
#9 AR1260-C

R.T.: 7.436 min
Delta R.T.: 0.154 min
Response: 45730969944
Conc: 1093.46 ppb m



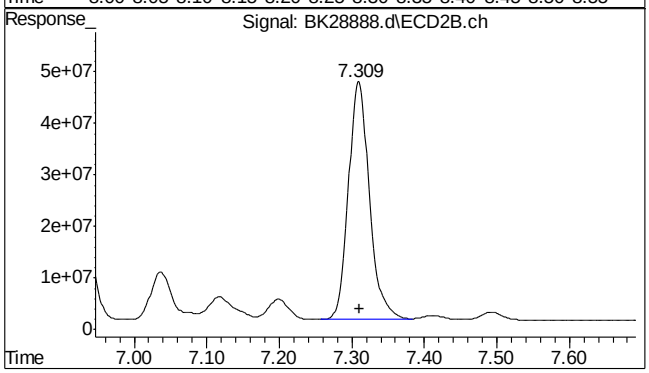
#9 AR1260-C

R.T.: 6.499 min
Delta R.T.: 0.000 min
Response: 1200687015
Conc: 1093.93 ppb m



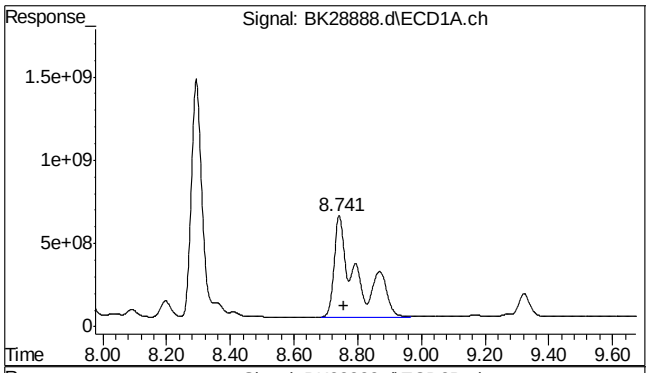
#10 AR1260-D

R.T.: 8.293 min
Delta R.T.: -0.014 min
Response: 32645119969
Conc: 1094.58 ppb m



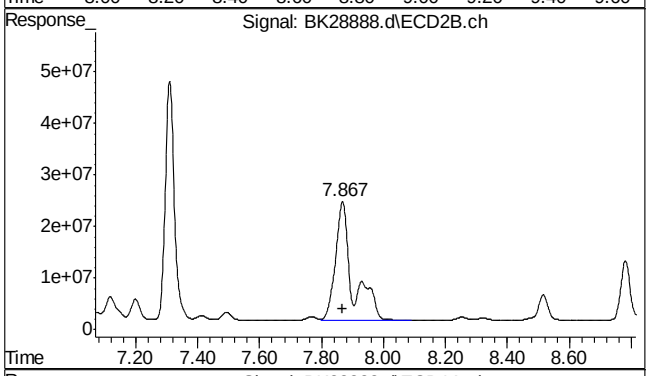
#10 AR1260-D

R.T.: 7.309 min
Delta R.T.: -0.002 min
Response: 932400385
Conc: 1094.97 ppb m



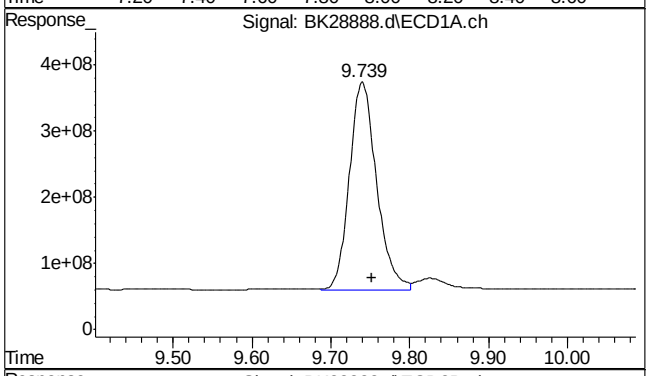
#11 AR1260-E

R.T.: 8.741 min
Delta R.T.: -0.014 min
Response: 30068595455
Conc: 1057.05 ppb m



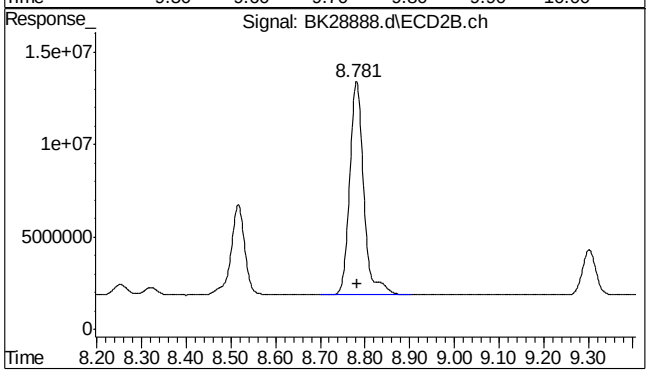
#11 AR1260-E

R.T.: 7.867 min
Delta R.T.: -0.002 min
Response: 881019765
Conc: 1087.69 ppb m



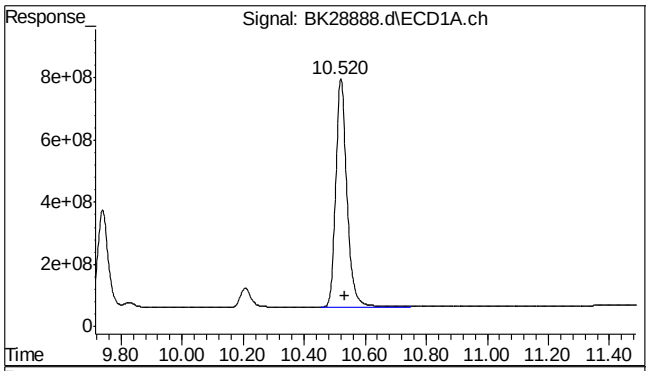
#12 AR1260-F

R.T.: 9.739 min
Delta R.T.: -0.012 min
Response: 7529195349
Conc: 1051.14 m



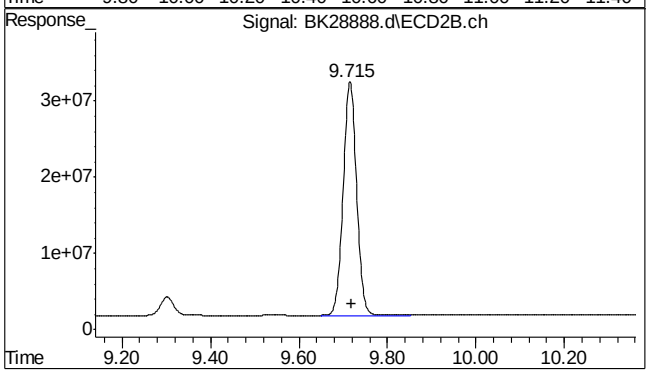
#12 AR1260-F

R.T.: 8.782 min
Delta R.T.: -0.001 min
Response: 250724270
Conc: 1074.07



#13 DCB

R.T.: 10.520 min
Delta R.T.: -0.013 min
Response: 18625904487
Conc: 78.12 ppb m



#13 DCB

R.T.: 9.715 min
Delta R.T.: -0.004 min
Response: 649258236
Conc: 81.52 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28889.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 4:19 pm
Operator : nickk
Sample : ic979-750,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:04:30 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:00:45 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.002	2.301	10411.2E6	386.0E6	49.970m	49.033m
	Spiked Amount 40.000			Recovery	= 124.93%	122.58%	
13) s	DCB	10.522	9.715	11581.7E6	397.7E6	46.664m	46.432m
	Spiked Amount 40.000			Recovery	= 116.66%	116.08%	
	Target Compounds						
2)	AR1016-A	3.338	2.676	2830.5E6	88488045	666.507m	668.636m
3)	AR1016-B	3.705	3.013	5648.0E6	195.2E6	694.718m	650.791
4)	AR1016-C	4.208	3.430	11548.7E6	382.9E6	660.622m	662.373m
5)	AR1016-D	4.362	3.560	7841.1E6	148.9E6	691.634m	663.630m
6)	AR1016-E	4.844	4.043	4905.7E6	181.9E6	667.201m	653.978m
7)	AR1260-A	6.456	5.582	8180.2E6	256.7E6	658.676	650.410m
8)	AR1260-B	6.852	5.866	16913.5E6	306.2E6	665.876m	659.173m
9)	AR1260-C	7.437	6.499	29953.0E6	785.9E6	674.922m	662.731m
10)	AR1260-D	8.294	7.310	21937.3E6	617.7E6	698.264	689.634
11)	AR1260-E	8.743	7.868	20172.1E6	584.1E6	680.570m	675.029m
12)	AR1260-F	9.741	8.782	5009.7E6	166.6E6	686.851	673.517

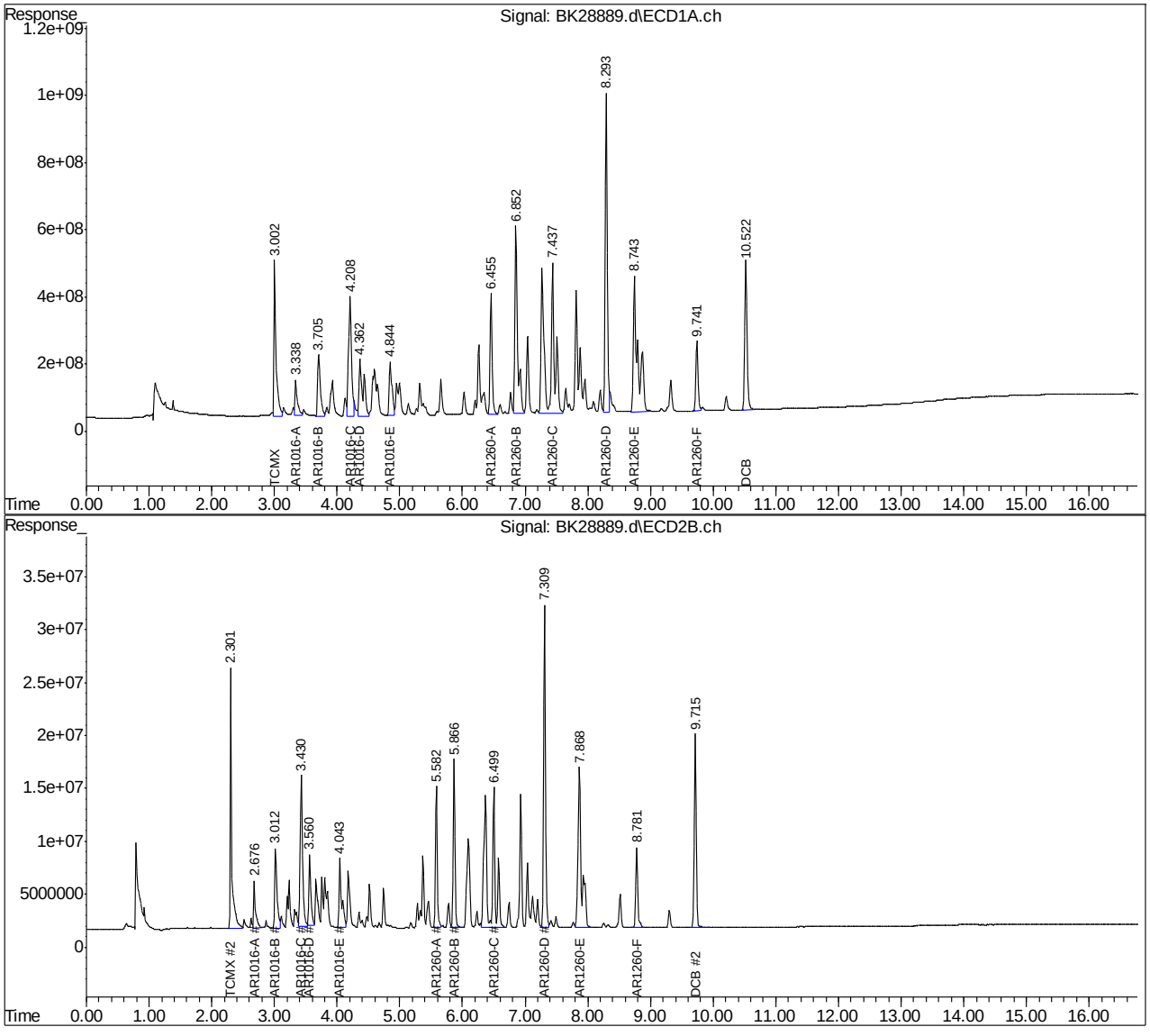
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

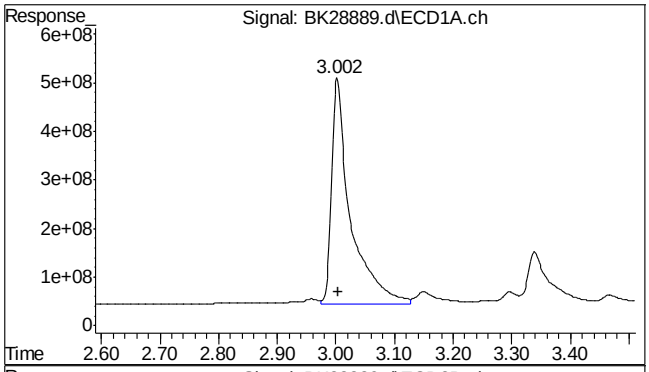
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28889.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 4:19 pm
Operator : nickk
Sample : ic979-750,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:04:30 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:00:45 2013
Response via : Initial Calibration
Integrator: ChemStation

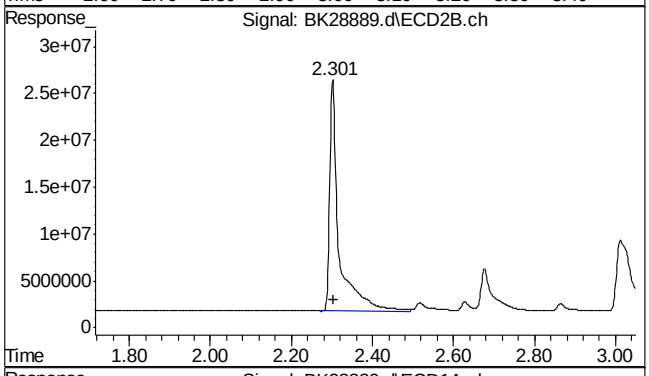
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





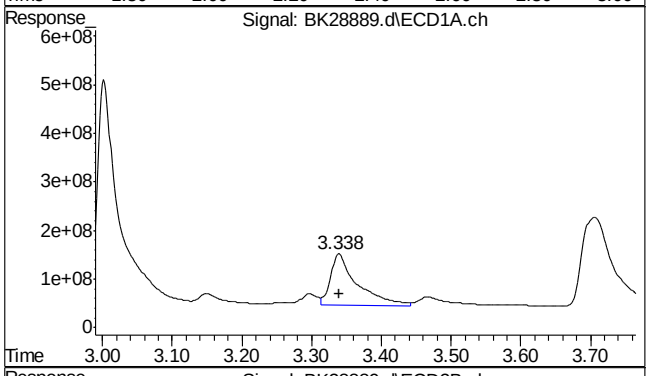
#1 TCMX

R.T.: 3.002 min
Delta R.T.: -0.002 min
Response: 10411226291
Conc: 49.97 ppb m



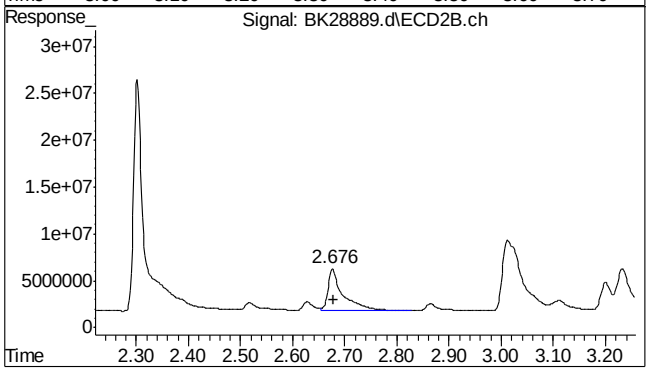
#1 TCMX

R.T.: 2.301 min
Delta R.T.: -0.002 min
Response: 386008433
Conc: 49.03 ppb m



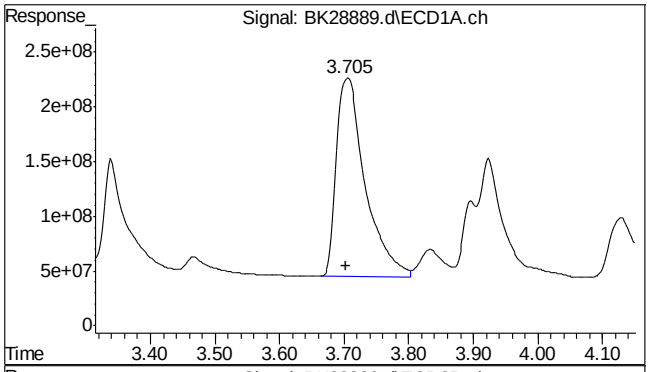
#2 AR1016-A

R.T.: 3.338 min
Delta R.T.: -0.001 min
Response: 2830530259
Conc: 666.51 ppb m



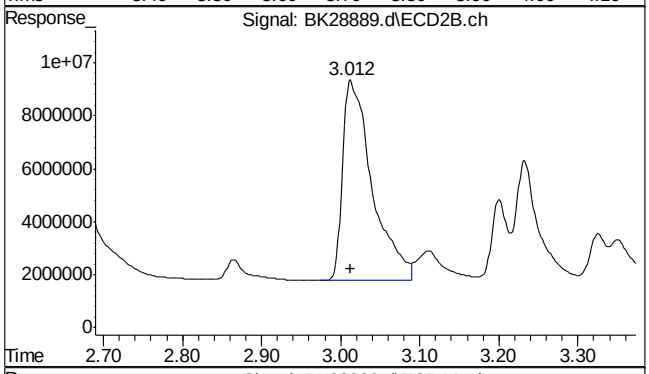
#2 AR1016-A

R.T.: 2.676 min
Delta R.T.: -0.002 min
Response: 88488045
Conc: 668.64 ppb m



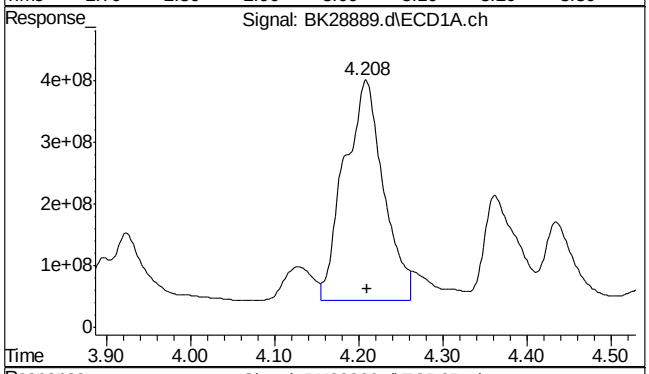
#3 AR1016-B

R.T.: 3.705 min
Delta R.T.: 0.003 min
Response: 5648029612
Conc: 694.72 ppb m



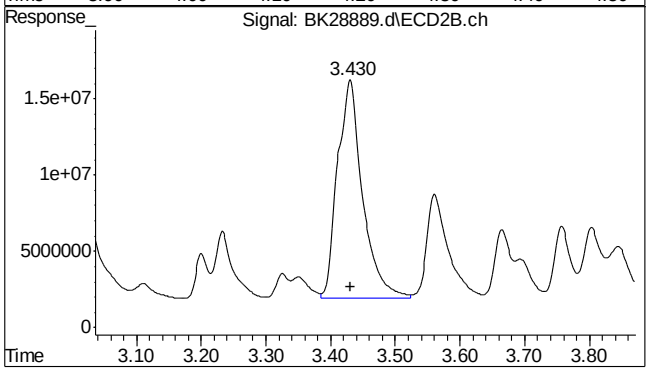
#3 AR1016-B

R.T.: 3.013 min
Delta R.T.: 0.000 min
Response: 195176653
Conc: 650.79 ppb



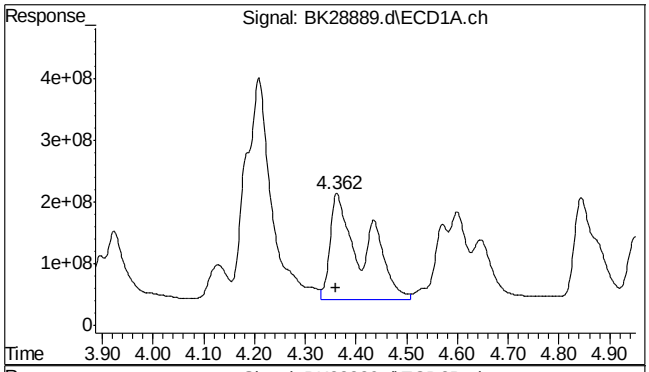
#4 AR1016-C

R.T.: 4.208 min
Delta R.T.: -0.002 min
Response: 11548679195
Conc: 660.62 ppb m



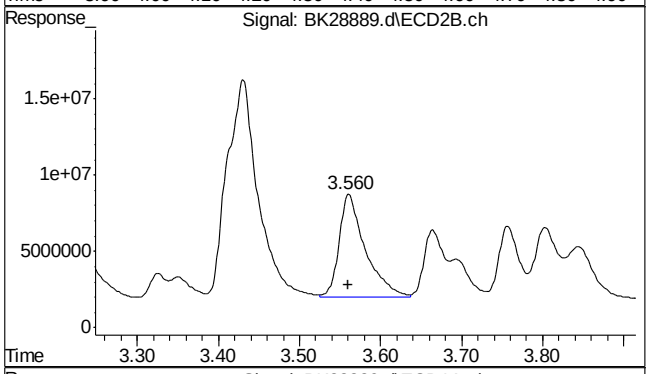
#4 AR1016-C

R.T.: 3.430 min
Delta R.T.: 0.000 min
Response: 382867409
Conc: 662.37 ppb m



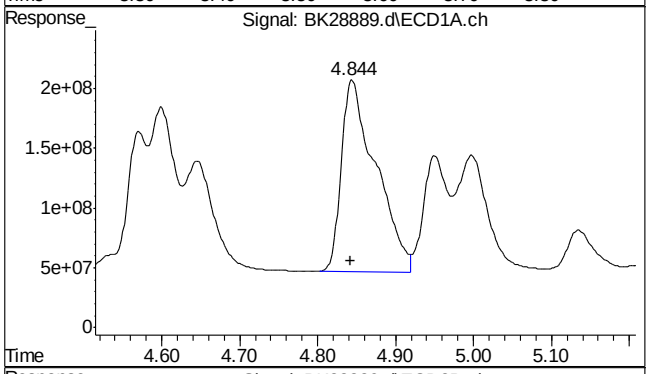
#5 AR1016-D

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 7841057801
Conc: 691.63 m



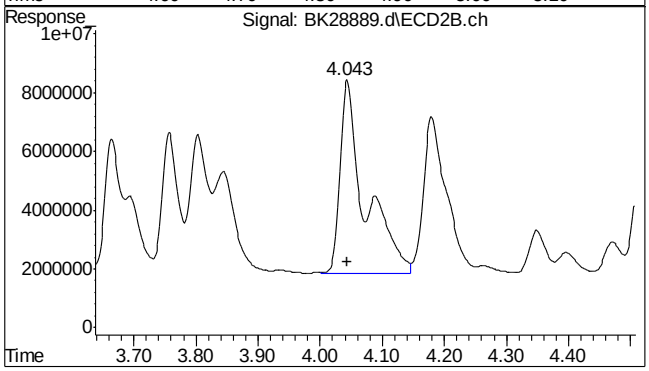
#5 AR1016-D

R.T.: 3.560 min
Delta R.T.: 0.000 min
Response: 148902848
Conc: 663.63 m



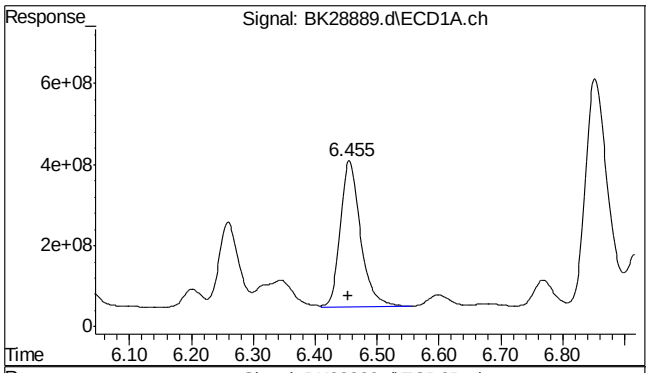
#6 AR1016-E

R.T.: 4.844 min
Delta R.T.: 0.001 min
Response: 4905680579
Conc: 667.20 m



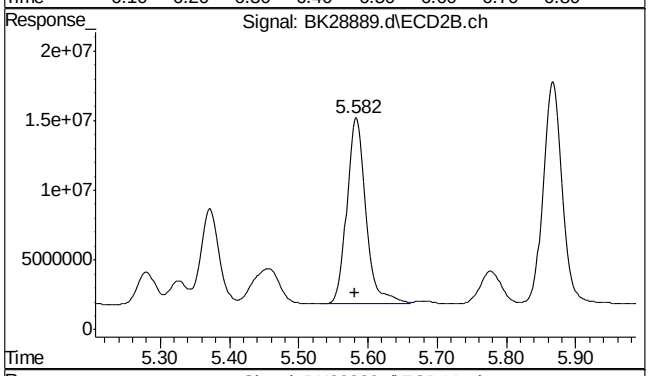
#6 AR1016-E

R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 181893841
Conc: 653.98 m



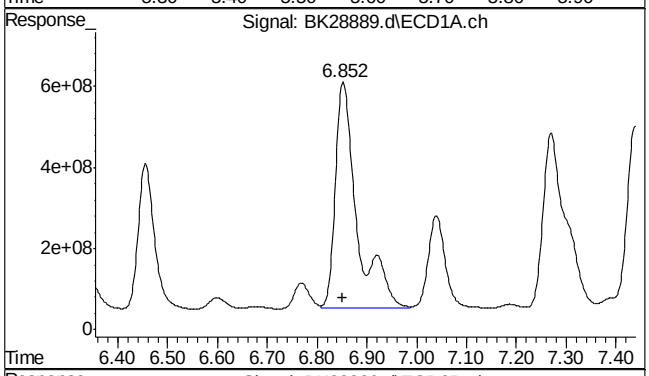
#7 AR1260-A

R.T.: 6.456 min
Delta R.T.: 0.001 min
Response: 8180246801
Conc: 658.68 ppb



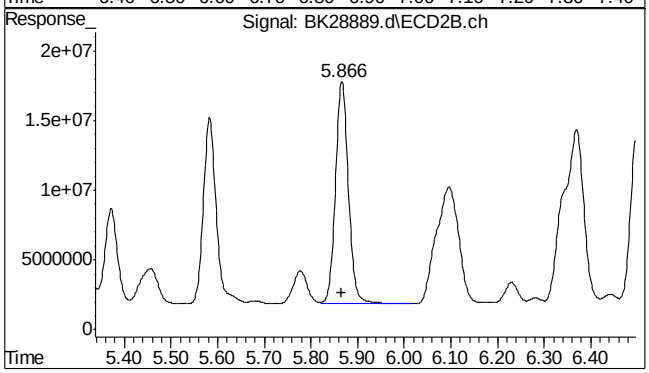
#7 AR1260-A

R.T.: 5.582 min
Delta R.T.: 0.000 min
Response: 256668884
Conc: 650.41 ppb m



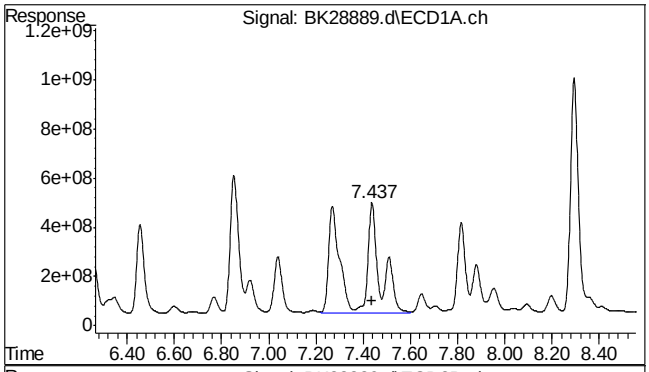
#8 AR1260-B

R.T.: 6.852 min
Delta R.T.: 0.000 min
Response: 16913492084
Conc: 665.88 ppb m



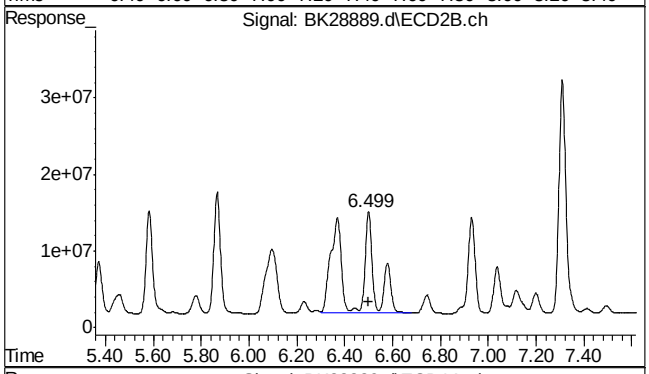
#8 AR1260-B

R.T.: 5.866 min
Delta R.T.: 0.001 min
Response: 306233826
Conc: 659.17 ppb m



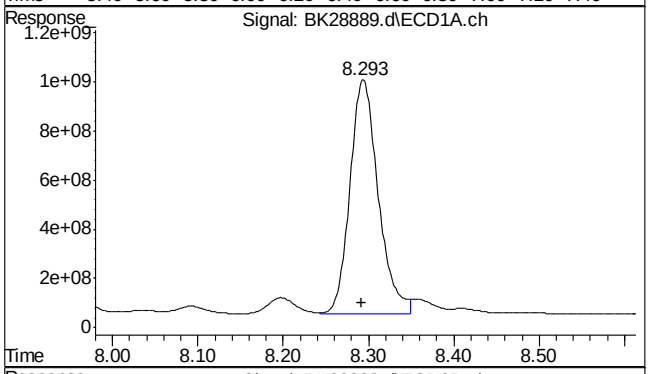
#9 AR1260-C

R.T.: 7.437 min
Delta R.T.: 0.000 min
Response: 29953021577
Conc: 674.92 ppb m



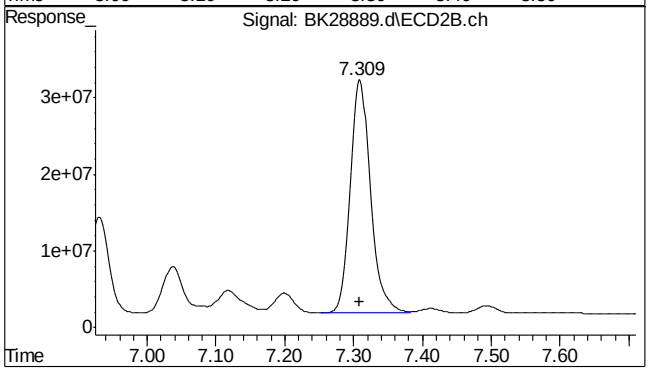
#9 AR1260-C

R.T.: 6.499 min
Delta R.T.: 0.000 min
Response: 785939073
Conc: 662.73 ppb m



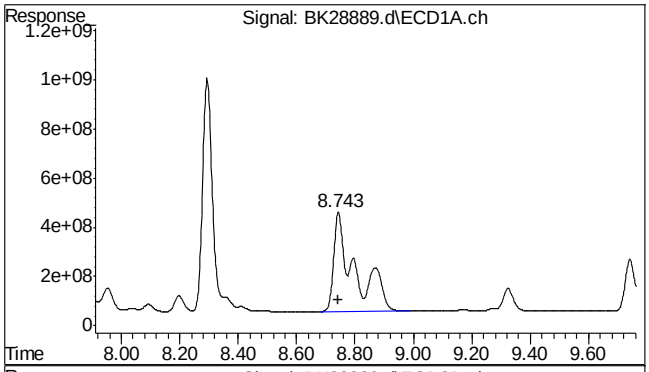
#10 AR1260-D

R.T.: 8.294 min
Delta R.T.: 0.001 min
Response: 21937343263
Conc: 698.26 ppb



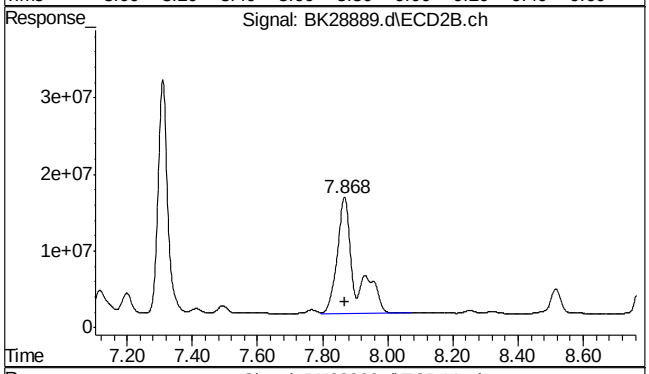
#10 AR1260-D

R.T.: 7.310 min
Delta R.T.: 0.000 min
Response: 617681512
Conc: 689.63 ppb



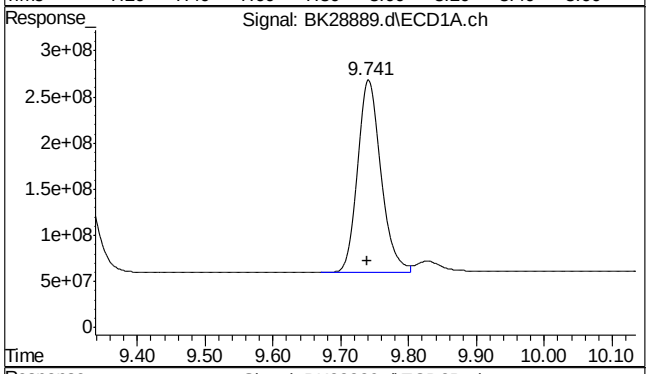
#11 AR1260-E

R.T.: 8.743 min
Delta R.T.: 0.002 min
Response: 20172143366
Conc: 680.57 ppb m



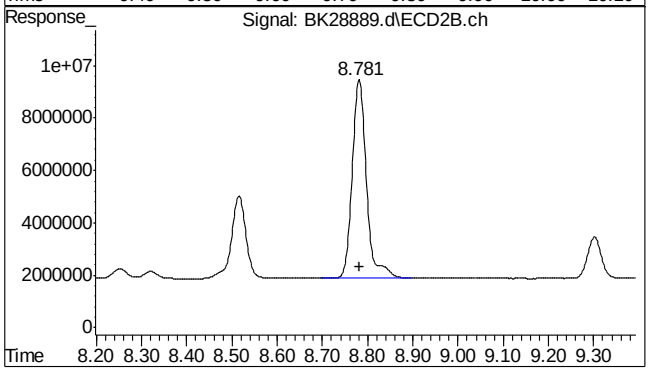
#11 AR1260-E

R.T.: 7.868 min
Delta R.T.: 0.000 min
Response: 584059276
Conc: 675.03 ppb m



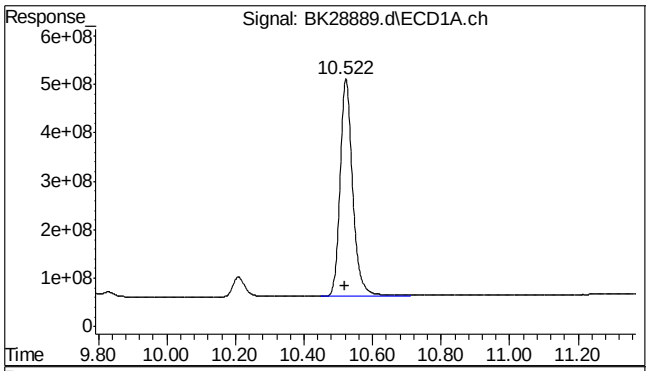
#12 AR1260-F

R.T.: 9.741 min
Delta R.T.: 0.002 min
Response: 5009736515
Conc: 686.85



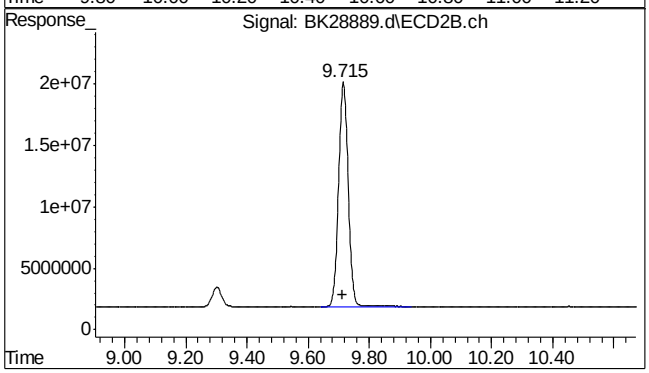
#12 AR1260-F

R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 166589823
Conc: 673.52



#13 DCB

R.T.: 10.522 min
Delta R.T.: 0.002 min
Response: 11581670130
Conc: 46.66 ppb m



#13 DCB

R.T.: 9.715 min
Delta R.T.: 0.000 min
Response: 397705831
Conc: 46.43 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28890.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 4:38 pm
Operator : nickk
Sample : icc979-500,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:04:59 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 16:44:13 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.004	2.303	10267.7E6	388.7E6	54.551m	56.281m
	Spiked Amount 40.000			Recovery	= 136.38%	140.70%	
13) s	DCB	10.520	9.715	11505.7E6	401.7E6	48.110m	49.995m
	Spiked Amount 40.000			Recovery	= 120.28%	124.99%	
	Target Compounds						
2)	AR1016-A	3.340	2.678	2036.4E6	67674324	388.588m	501.819m#
3)	AR1016-B	3.703	3.013	4257.0E6	149.5E6	585.337m	559.411m
4)	AR1016-C	4.209	3.430	8856.9E6	292.5E6	502.767m	555.415m
5)	AR1016-D	4.362	3.561	5978.8E6	111.7E6	572.102m	540.617m
6)	AR1016-E	4.843	4.043	3763.4E6	139.8E6	555.948m	559.536m
7)	AR1260-A	6.454	5.582	6339.0E6	199.4E6	549.677	558.376m
8)	AR1260-B	6.851	5.866	13055.7E6	231.6E6	547.830m	537.566
9)	AR1260-C	7.436	6.499	23052.1E6	600.5E6	551.548m	541.141m
10)	AR1260-D	8.292	7.309	16192.9E6	453.3E6	534.658m	534.389m
11)	AR1260-E	8.741	7.867	15087.8E6	436.6E6	529.207m	536.578m
12)	AR1260-F	9.739	8.781	3682.5E6	123.1E6	511.379m	525.979

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

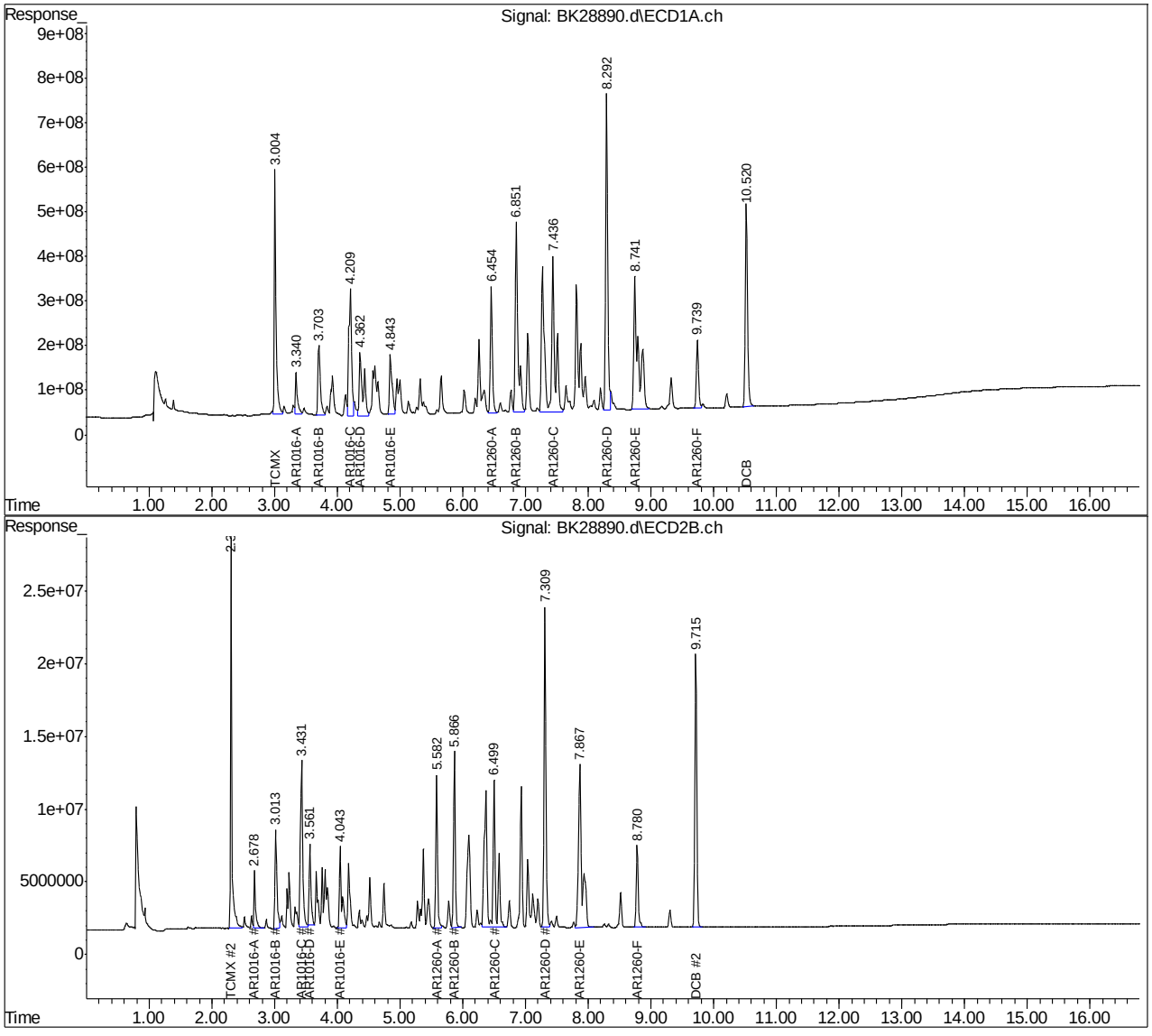
11.5.3 11

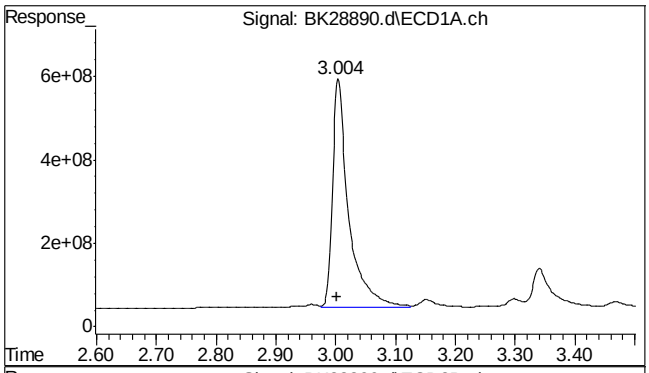
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28890.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 4:38 pm
Operator : nickk
Sample : icc979-500,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:04:59 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 16:44:13 2013
Response via : Initial Calibration
Integrator: ChemStation

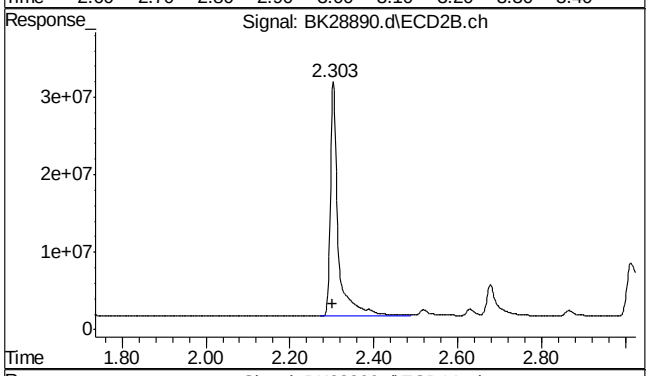
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





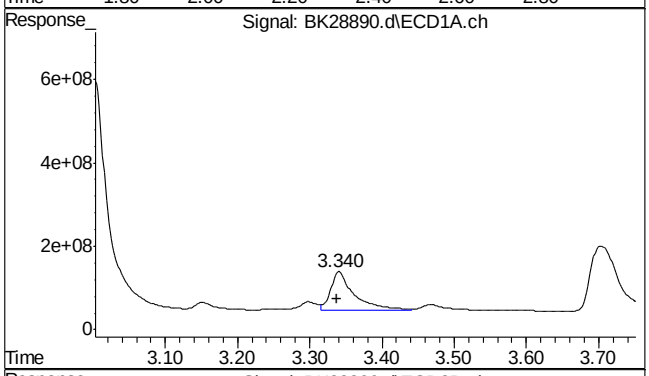
#1 TCMX

R.T.: 3.004 min
Delta R.T.: 0.002 min
Response: 10267662833
Conc: 54.55 ppb m



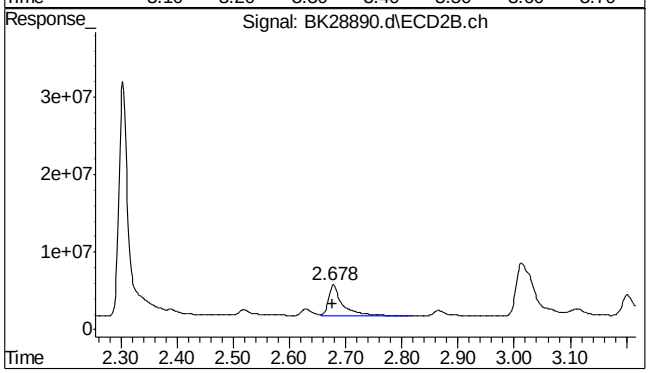
#1 TCMX

R.T.: 2.303 min
Delta R.T.: 0.002 min
Response: 388702784
Conc: 56.28 ppb m



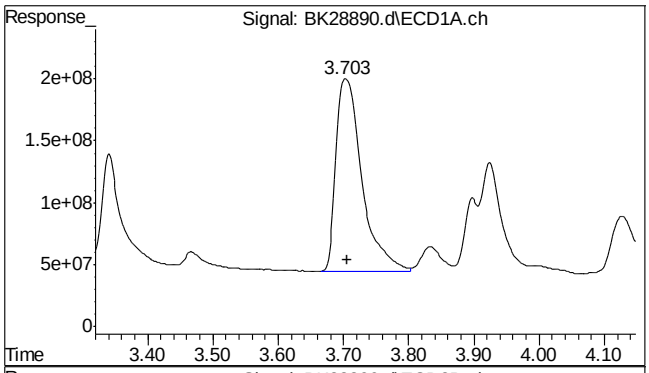
#2 AR1016-A

R.T.: 3.340 min
Delta R.T.: 0.002 min
Response: 2036368819
Conc: 388.59 ppb m



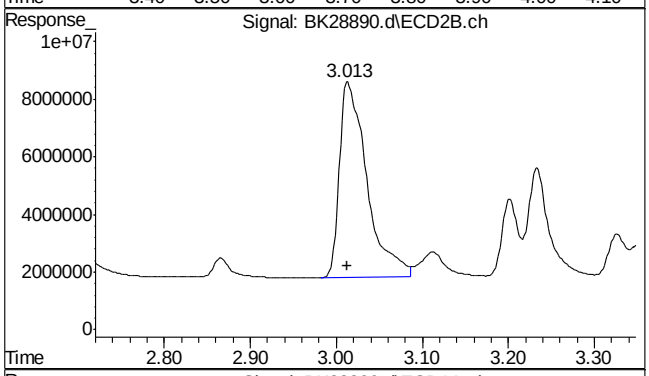
#2 AR1016-A

R.T.: 2.678 min
Delta R.T.: 0.002 min
Response: 67674324
Conc: 501.82 ppb m



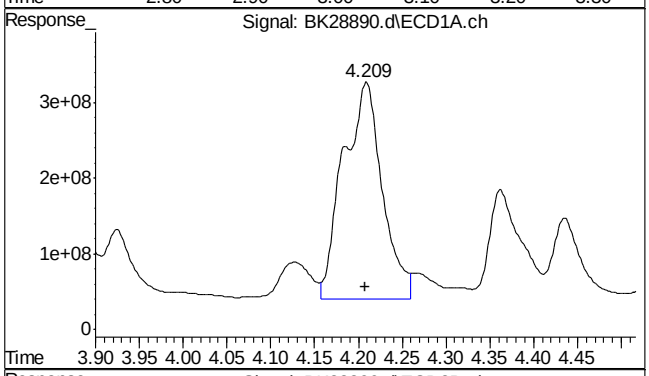
#3 AR1016-B

R.T.: 3.703 min
Delta R.T.: -0.002 min
Response: 4257042259
Conc: 585.34 ppb m



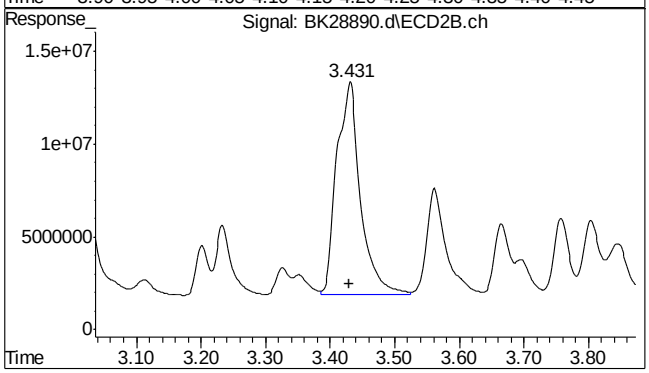
#3 AR1016-B

R.T.: 3.013 min
Delta R.T.: 0.000 min
Response: 149535989
Conc: 559.41 ppb m



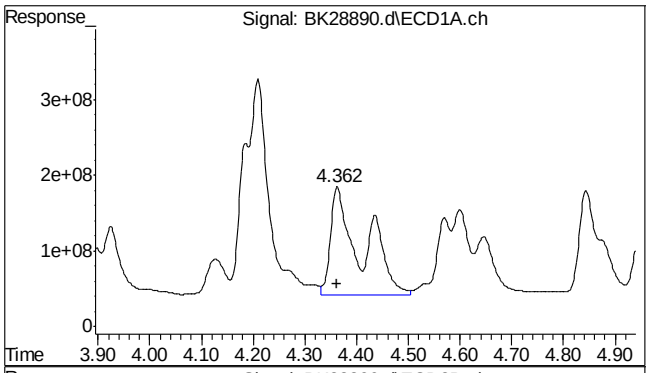
#4 AR1016-C

R.T.: 4.209 min
Delta R.T.: 0.000 min
Response: 8856932854
Conc: 502.77 ppb m



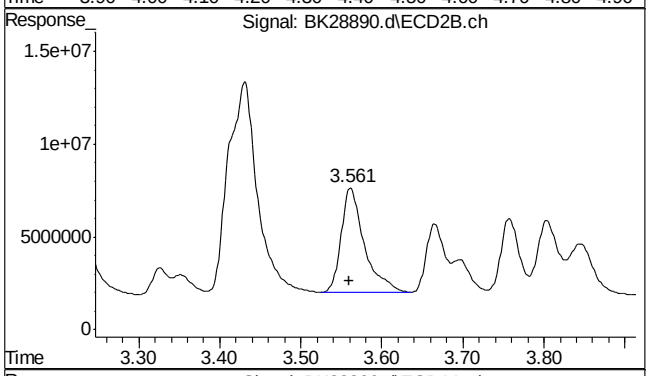
#4 AR1016-C

R.T.: 3.430 min
Delta R.T.: 0.000 min
Response: 292451796
Conc: 555.42 ppb m



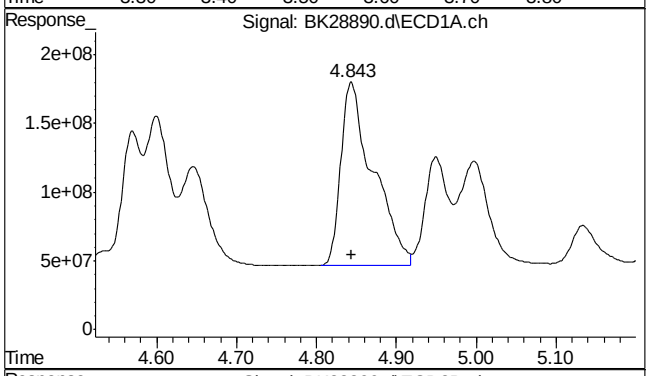
#5 AR1016-D

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 5978841314
Conc: 572.10 m



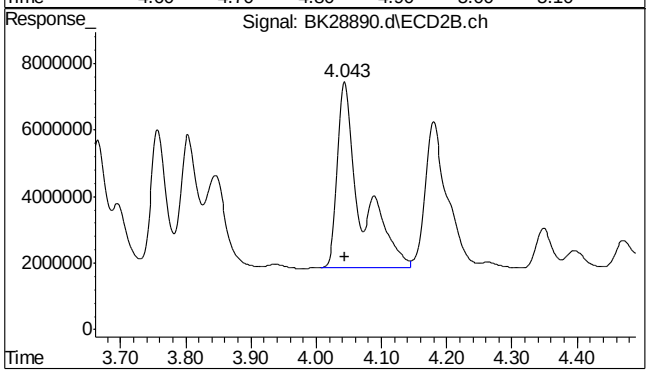
#5 AR1016-D

R.T.: 3.561 min
Delta R.T.: 0.000 min
Response: 111720497
Conc: 540.62 m



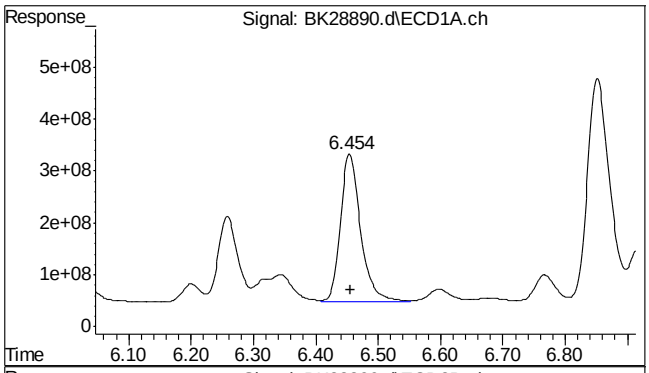
#6 AR1016-E

R.T.: 4.843 min
Delta R.T.: 0.000 min
Response: 3763362736
Conc: 555.95 m



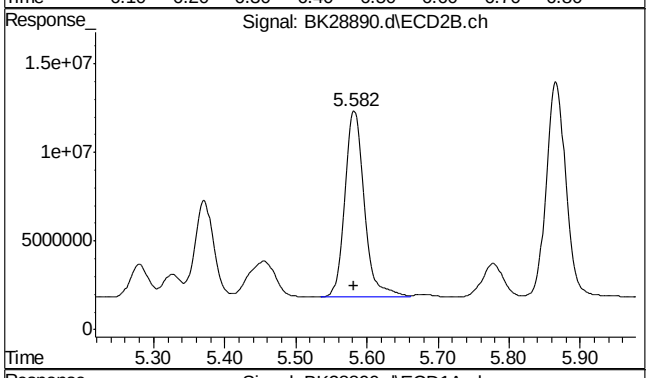
#6 AR1016-E

R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 139819087
Conc: 559.54 m



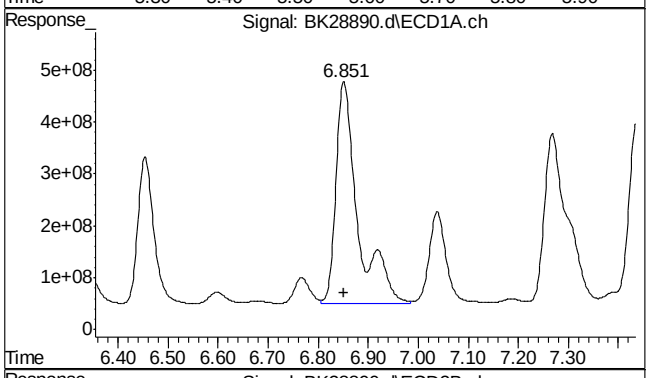
#7 AR1260-A

R.T.: 6.454 min
Delta R.T.: -0.001 min
Response: 6338989900
Conc: 549.68 ppb



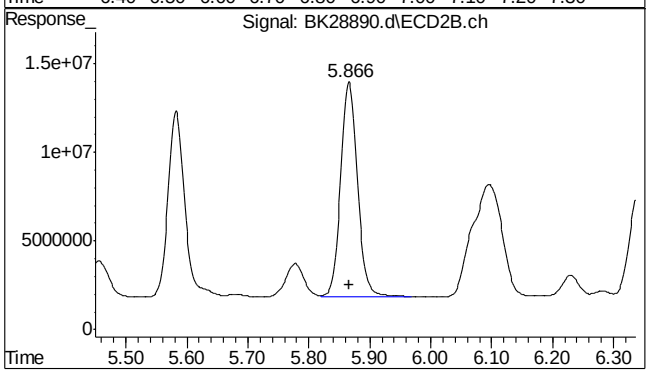
#7 AR1260-A

R.T.: 5.582 min
Delta R.T.: 0.000 min
Response: 199350186
Conc: 558.38 ppb m



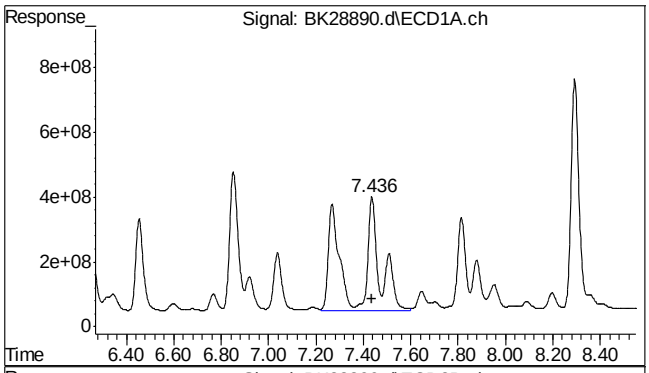
#8 AR1260-B

R.T.: 6.851 min
Delta R.T.: -0.001 min
Response: 13055678093
Conc: 547.83 ppb m



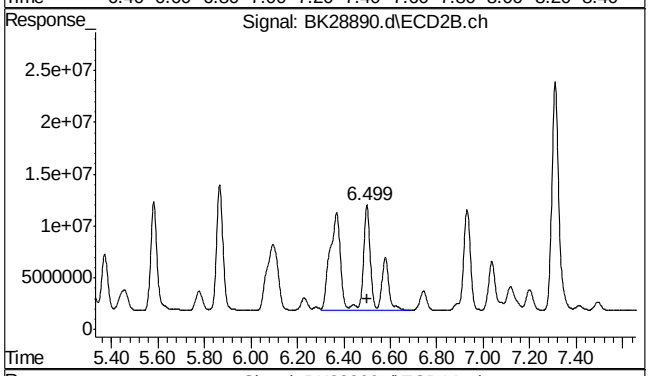
#8 AR1260-B

R.T.: 5.866 min
Delta R.T.: 0.000 min
Response: 231615875
Conc: 537.57 ppb



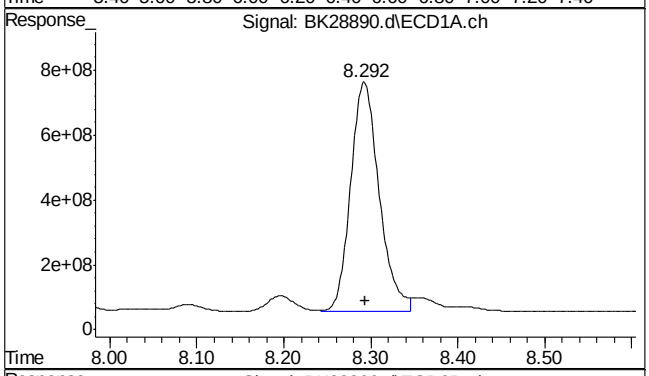
#9 AR1260-C

R.T.: 7.436 min
Delta R.T.: -0.002 min
Response: 23052073895
Conc: 551.55 ppb m



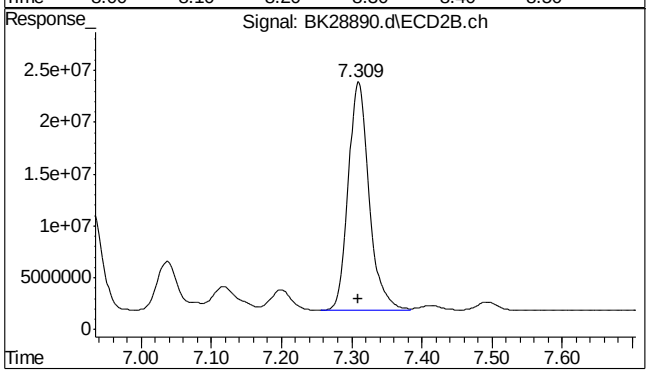
#9 AR1260-C

R.T.: 6.499 min
Delta R.T.: 0.000 min
Response: 600480471
Conc: 541.14 ppb m



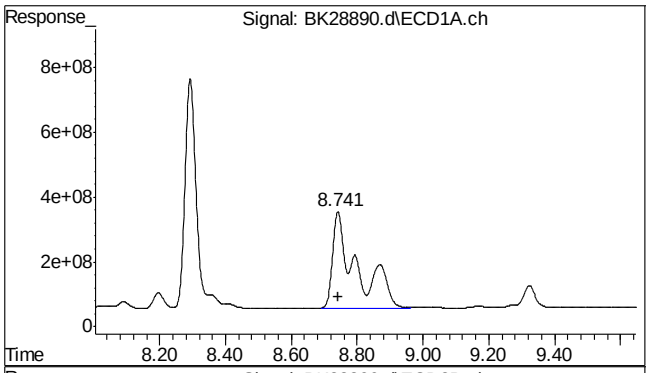
#10 AR1260-D

R.T.: 8.292 min
Delta R.T.: -0.002 min
Response: 16192948439
Conc: 534.66 ppb m



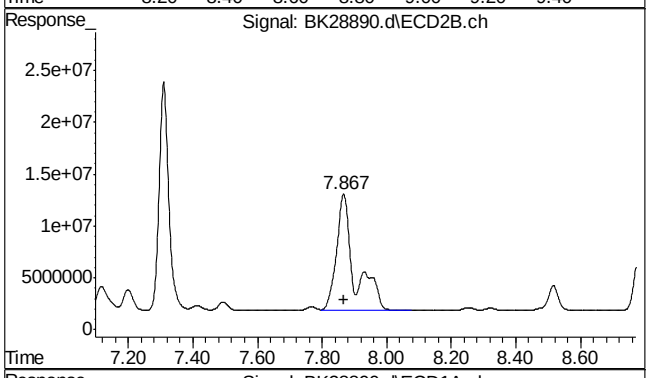
#10 AR1260-D

R.T.: 7.309 min
Delta R.T.: 0.000 min
Response: 453286140
Conc: 534.39 ppb m



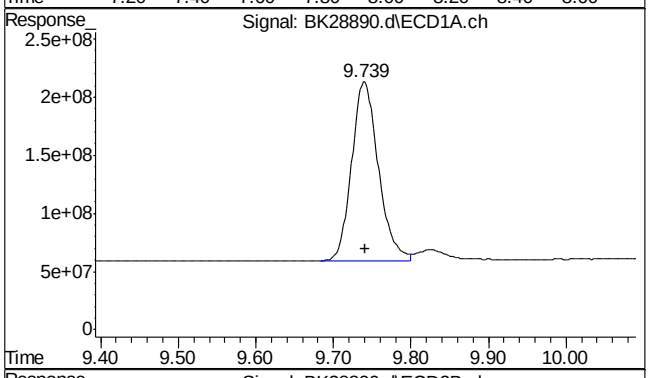
#11 AR1260-E

R.T.: 8.741 min
Delta R.T.: -0.002 min
Response: 15087796236
Conc: 529.21 ppb m



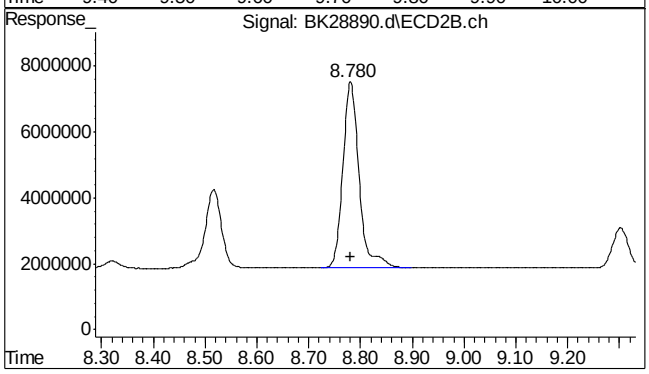
#11 AR1260-E

R.T.: 7.867 min
Delta R.T.: -0.001 min
Response: 436595959
Conc: 536.58 ppb m



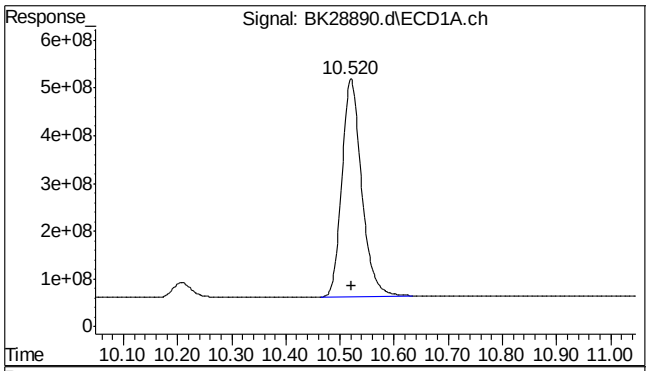
#12 AR1260-F

R.T.: 9.739 min
Delta R.T.: -0.002 min
Response: 3682481754
Conc: 511.38 m



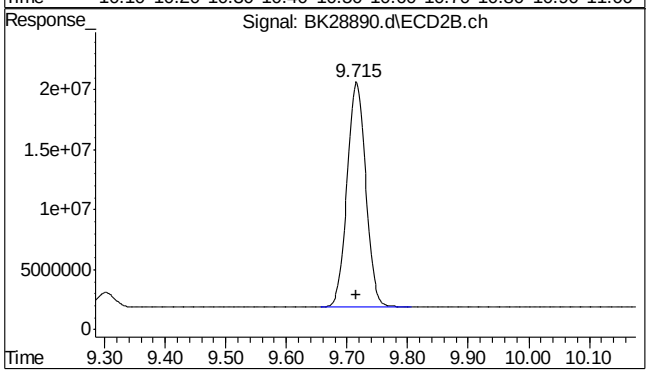
#12 AR1260-F

R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 123069477
Conc: 525.98



#13 DCB

R.T.: 10.520 min
Delta R.T.: -0.002 min
Response: 11505658573
Conc: 48.11 ppb m



#13 DCB

R.T.: 9.715 min
Delta R.T.: 0.000 min
Response: 401746426
Conc: 50.00 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28891.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 4:57 pm
Operator : nickk
Sample : ic979-250,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 07:57:09 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 17:39:56 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.002	2.301	7918.6E6	291.9E6	41.190m	40.813m
	Spiked Amount 40.000			Recovery	=	102.97%	102.03%
13) s	DCB	10.520	9.716	9064.3E6	306.7E6	37.994m	37.910
	Spiked Amount 40.000			Recovery	=	94.98%	94.77%
	Target Compounds						
2)	AR1016-A	3.338	2.676	1053.3E6	32111093	205.272m	234.981m
3)	AR1016-B	3.705	3.012	1883.1E6	71707029	252.863m	261.593m
4)	AR1016-C	4.208	3.430	3901.9E6	132.1E6	220.764m	246.585m
5)	AR1016-D	4.361	3.561	2622.7E6	52379981	246.868m	249.275m
6)	AR1016-E	4.844	4.044	1700.4E6	65168841	247.075m	255.150m
7)	AR1260-A	6.456	5.583	2886.6E6	91508677	247.573	250.791m
8)	AR1260-B	6.852	5.867	5845.0E6	107.1E6	242.890m	246.172m
9)	AR1260-C	7.437	6.500	10019.4E6	272.2E6	237.561m	242.041m
10)	AR1260-D	8.292	7.311	7224.0E6	202.2E6	239.513m	237.496m
11)	AR1260-E	8.742	7.868	6753.5E6	198.3E6	237.336m	242.103m
12)	AR1260-F	9.740	8.783	1685.5E6	56005723	236.149	239.097

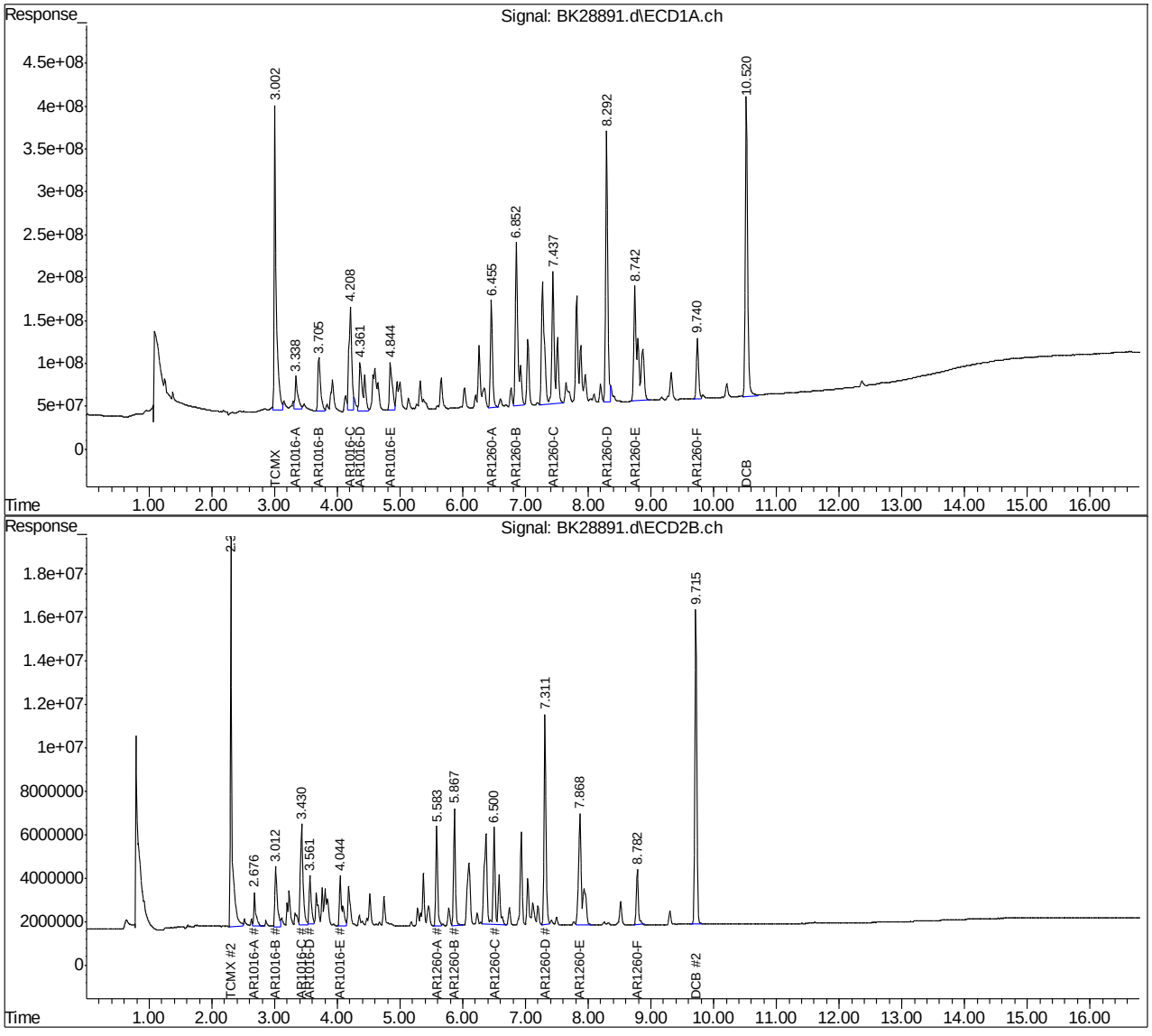
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

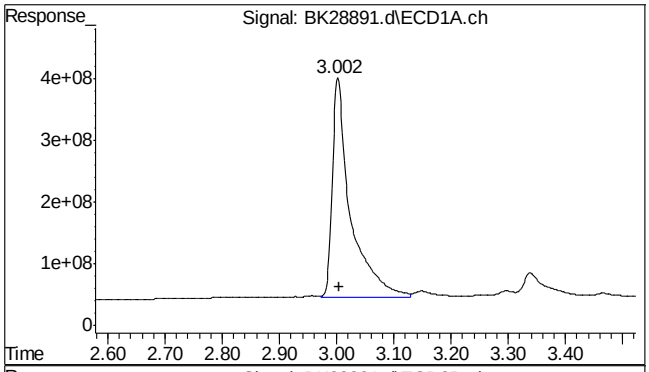
Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28891.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 4:57 pm
Operator : nickk
Sample : ic979-250,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 07:57:09 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 17:39:56 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

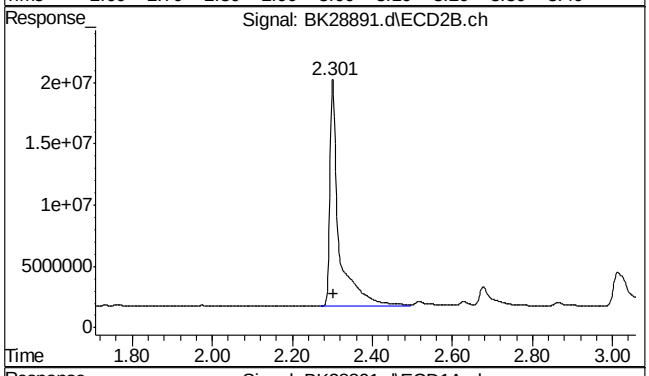


ACCUTEST LABORATORIES MC24064



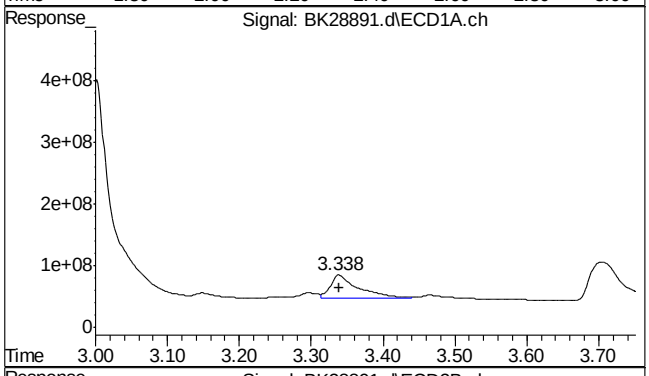
#1 TCMX

R.T.: 3.002 min
Delta R.T.: -0.002 min
Response: 7918593559
Conc: 41.19 ppb m



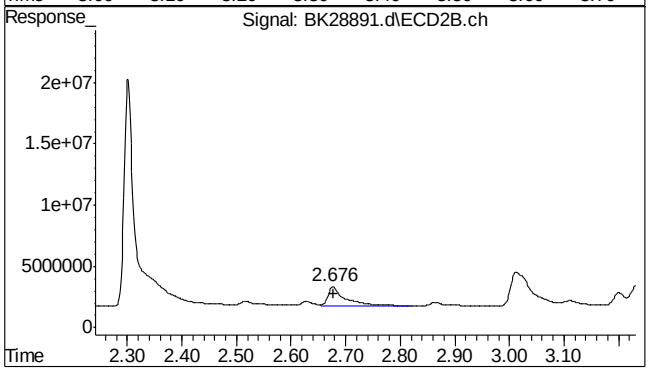
#1 TCMX

R.T.: 2.301 min
Delta R.T.: -0.002 min
Response: 291923513
Conc: 40.81 ppb m



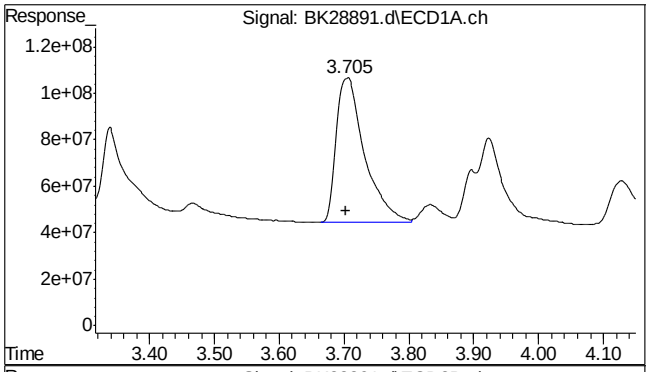
#2 AR1016-A

R.T.: 3.338 min
Delta R.T.: -0.002 min
Response: 1053299762
Conc: 205.27 ppb m



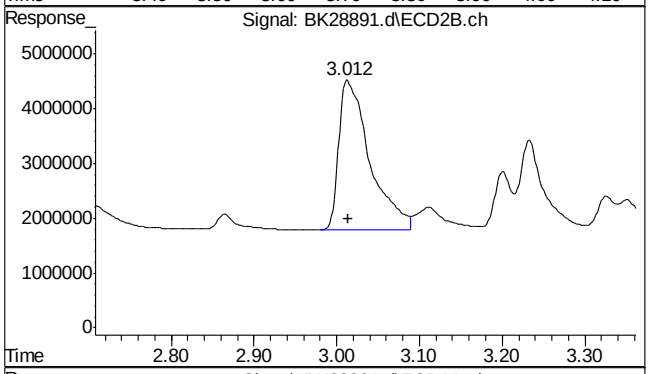
#2 AR1016-A

R.T.: 2.676 min
Delta R.T.: -0.001 min
Response: 32111093
Conc: 234.98 ppb m



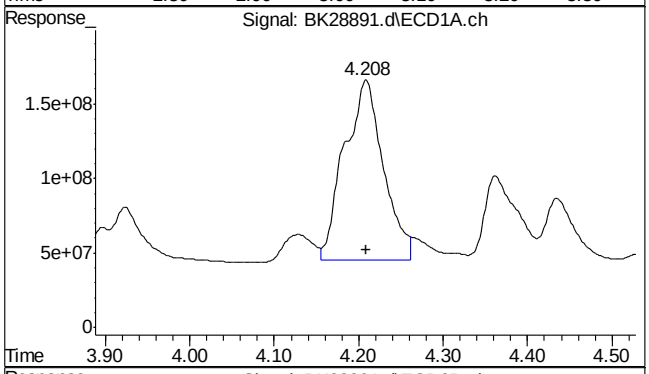
#3 AR1016-B

R.T.: 3.705 min
Delta R.T.: 0.002 min
Response: 1883099930
Conc: 252.86 ppb m



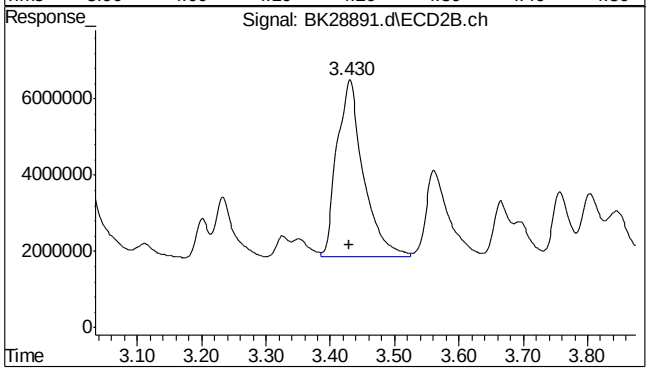
#3 AR1016-B

R.T.: 3.012 min
Delta R.T.: -0.002 min
Response: 71707029
Conc: 261.59 ppb m



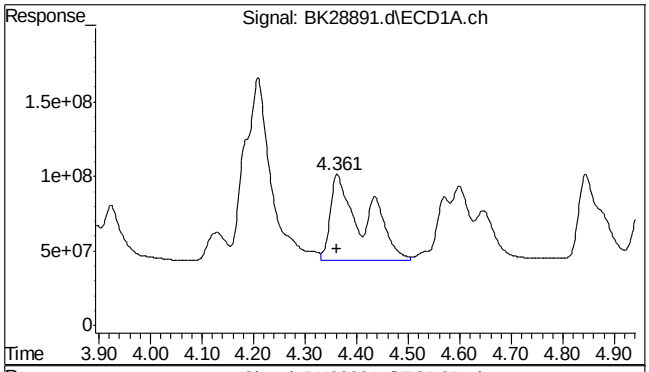
#4 AR1016-C

R.T.: 4.208 min
Delta R.T.: 0.000 min
Response: 3901866477
Conc: 220.76 ppb m



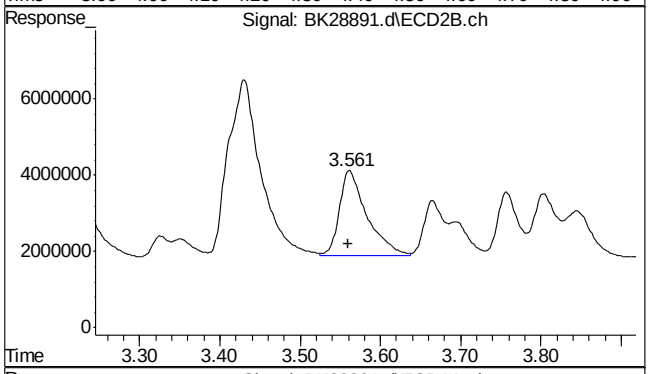
#4 AR1016-C

R.T.: 3.430 min
Delta R.T.: 0.000 min
Response: 132058990
Conc: 246.59 ppb m



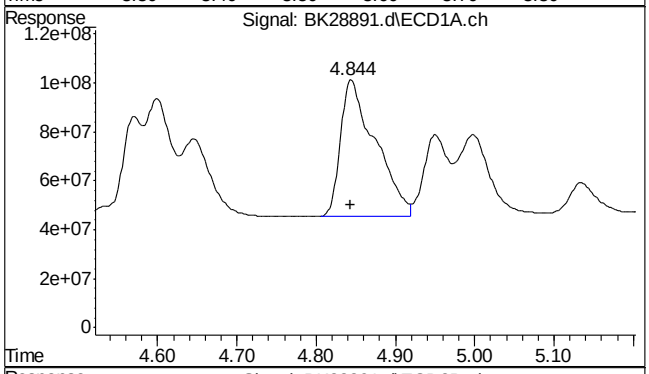
#5 AR1016-D

R.T.: 4.361 min
Delta R.T.: 0.000 min
Response: 2622705458
Conc: 246.87 m



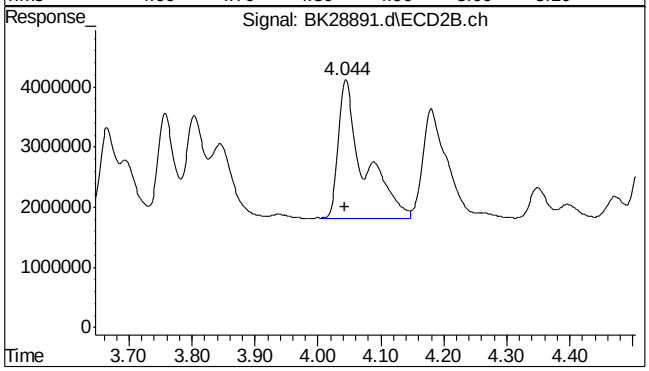
#5 AR1016-D

R.T.: 3.561 min
Delta R.T.: 0.000 min
Response: 52379981
Conc: 249.27 m



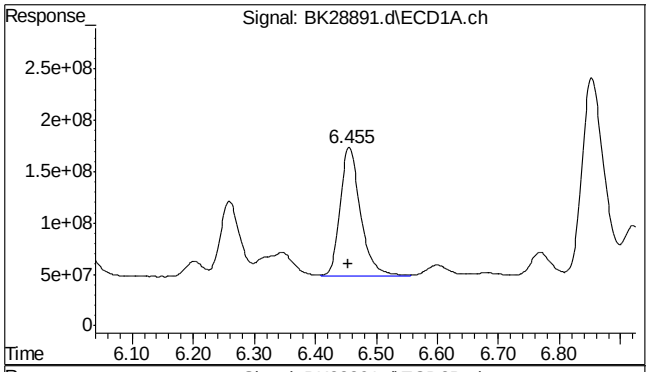
#6 AR1016-E

R.T.: 4.844 min
Delta R.T.: 0.000 min
Response: 1700439054
Conc: 247.07 m



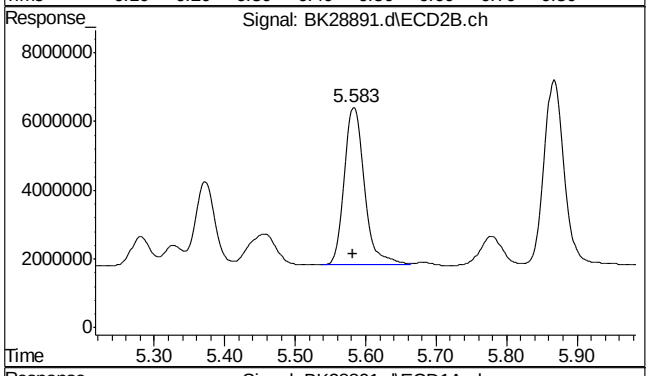
#6 AR1016-E

R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 65168841
Conc: 255.15 m



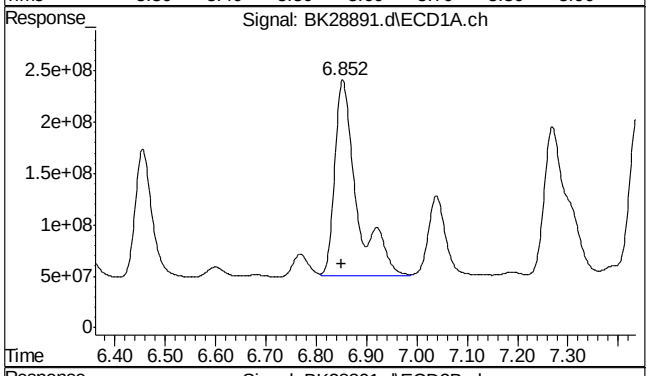
#7 AR1260-A

R.T.: 6.456 min
Delta R.T.: 0.001 min
Response: 2886597839
Conc: 247.57 ppb



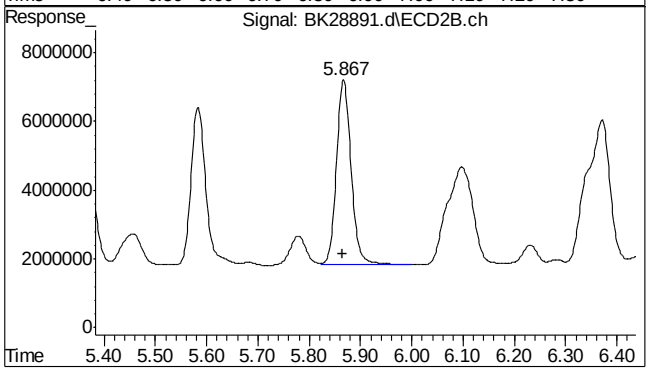
#7 AR1260-A

R.T.: 5.583 min
Delta R.T.: 0.001 min
Response: 91508677
Conc: 250.79 ppb m



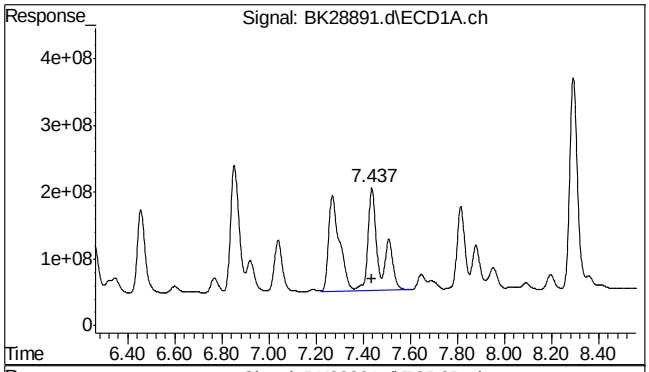
#8 AR1260-B

R.T.: 6.852 min
Delta R.T.: 0.001 min
Response: 5844999877
Conc: 242.89 ppb m



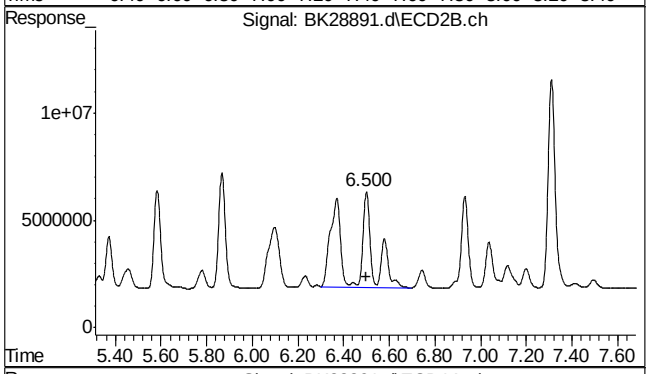
#8 AR1260-B

R.T.: 5.867 min
Delta R.T.: 0.000 min
Response: 107101585
Conc: 246.17 ppb m



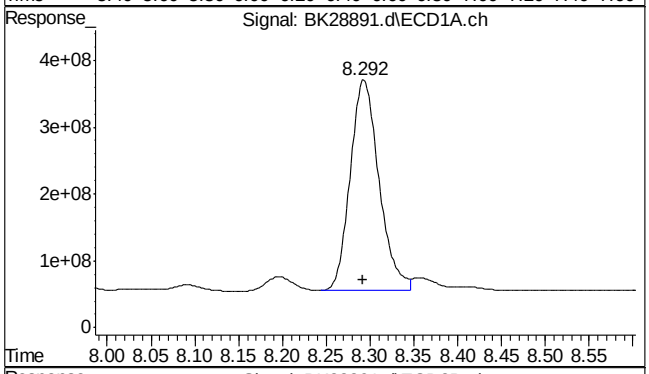
#9 AR1260-C

R.T.: 7.437 min
Delta R.T.: 0.000 min
Response: 10019413279
Conc: 237.56 ppb m



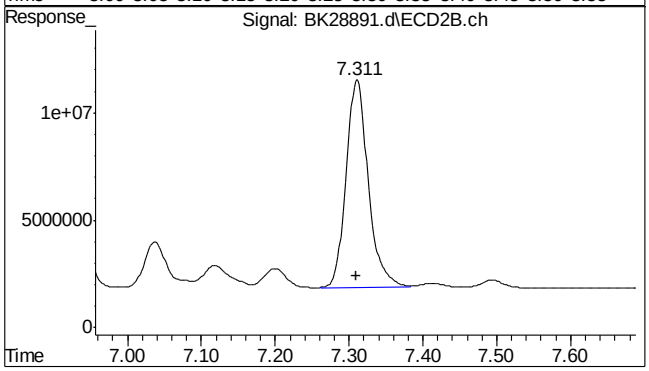
#9 AR1260-C

R.T.: 6.500 min
Delta R.T.: 0.000 min
Response: 272159246
Conc: 242.04 ppb m



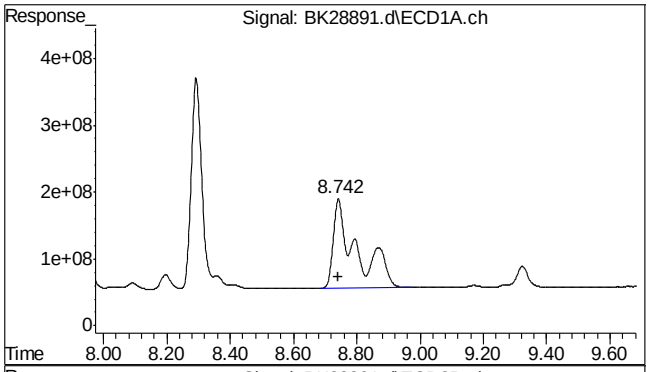
#10 AR1260-D

R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 7224012697
Conc: 239.51 ppb m



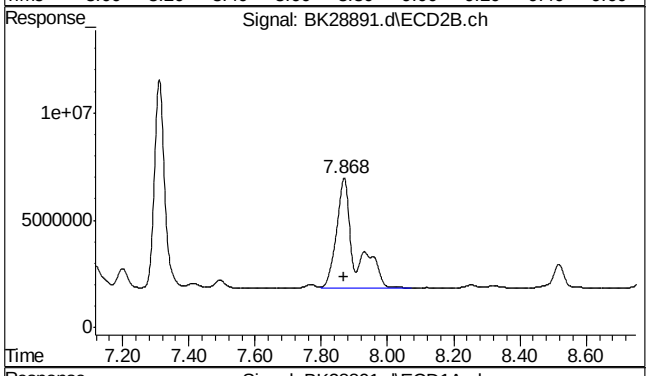
#10 AR1260-D

R.T.: 7.311 min
Delta R.T.: 0.001 min
Response: 202224315
Conc: 237.50 ppb m



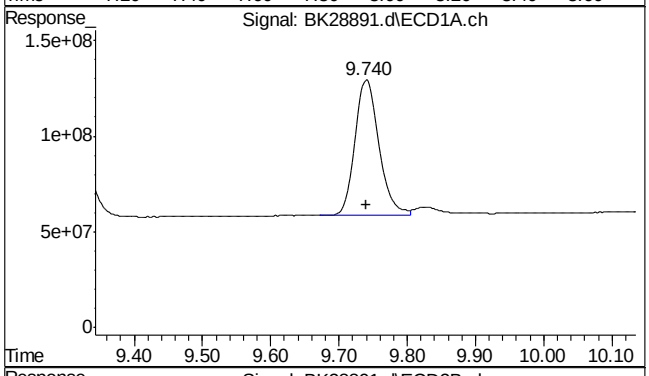
#11 AR1260-E

R.T.: 8.742 min
Delta R.T.: 0.000 min
Response: 6753531491
Conc: 237.34 ppb m



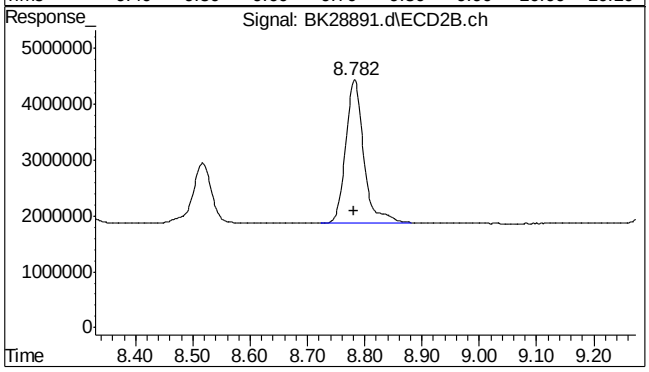
#11 AR1260-E

R.T.: 7.868 min
Delta R.T.: 0.002 min
Response: 198295776
Conc: 242.10 ppb m



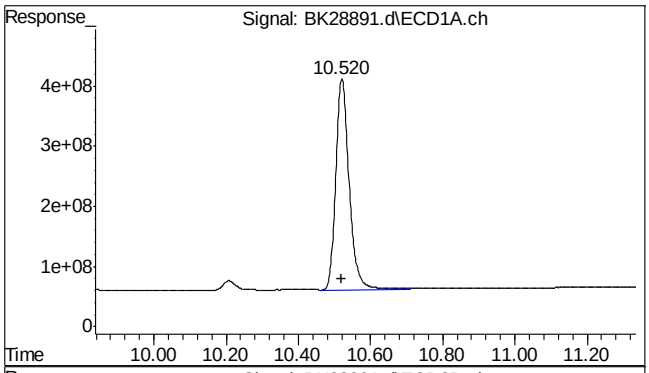
#12 AR1260-F

R.T.: 9.740 min
Delta R.T.: 0.000 min
Response: 1685459364
Conc: 236.15



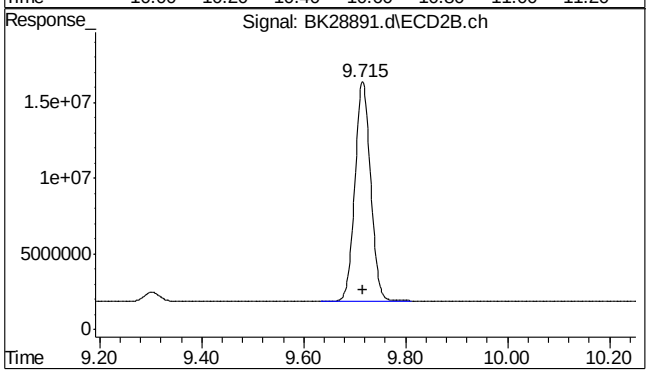
#12 AR1260-F

R.T.: 8.783 min
Delta R.T.: 0.001 min
Response: 56005723
Conc: 239.10



#13 DCB

R.T.: 10.520 min
Delta R.T.: 0.000 min
Response: 9064291423
Conc: 37.99 ppb m



#13 DCB

R.T.: 9.716 min
Delta R.T.: 0.000 min
Response: 306724485
Conc: 37.91 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28892.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 5:16 pm
Operator : nickk
Sample : ic979-100,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:00:03 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 17:42:54 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.003	2.303	3281.1E6	125.9E6	16.817m	17.209m
	Spiked Amount 40.000			Recovery	=	42.04%	43.02%
13) s	DCB	10.521	9.716	4126.5E6	140.7E6	17.412m	17.376m
	Spiked Amount 40.000			Recovery	=	43.53%	43.44%
	Target Compounds						
2)	AR1016-A	3.340	2.678	470.1E6	14369387	95.606m	104.413m
3)	AR1016-B	3.702	3.013	828.0E6	31758710	109.578m	113.616m
4)	AR1016-C	4.208	3.431	1845.1E6	60113464	106.555m	111.231m
5)	AR1016-D	4.361	3.562	1188.7E6	23403407	113.663m	110.369m
6)	AR1016-E	4.843	4.044	765.1E6	29208919	110.288m	112.849m
7)	AR1260-A	6.454	5.582	1283.3E6	41610654	109.579m	112.800m
8)	AR1260-B	6.851	5.866	2664.2E6	49387408	110.789m	112.897m
9)	AR1260-C	7.436	6.500	4532.8E6	125.7E6	108.010m	111.412m
10)	AR1260-D	8.292	7.310	3211.6E6	91474589	107.090m	107.466m
11)	AR1260-E	8.742	7.868	3061.0E6	88990608	108.214m	108.407m
12)	AR1260-F	9.740	8.781	762.6E6	25661366	107.744	109.772m

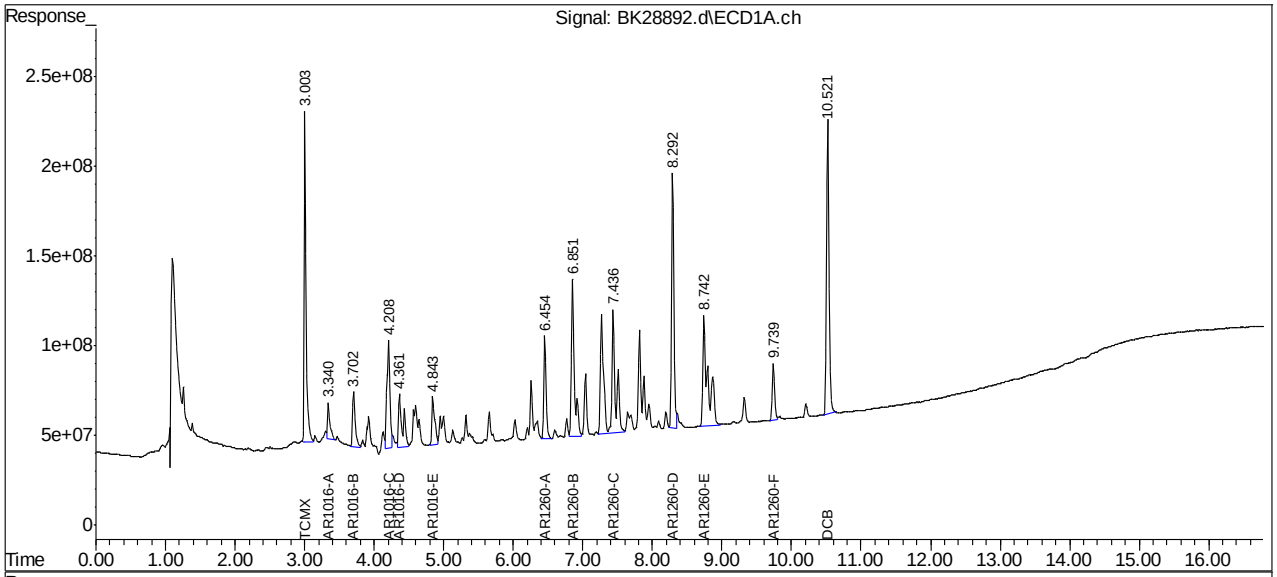
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

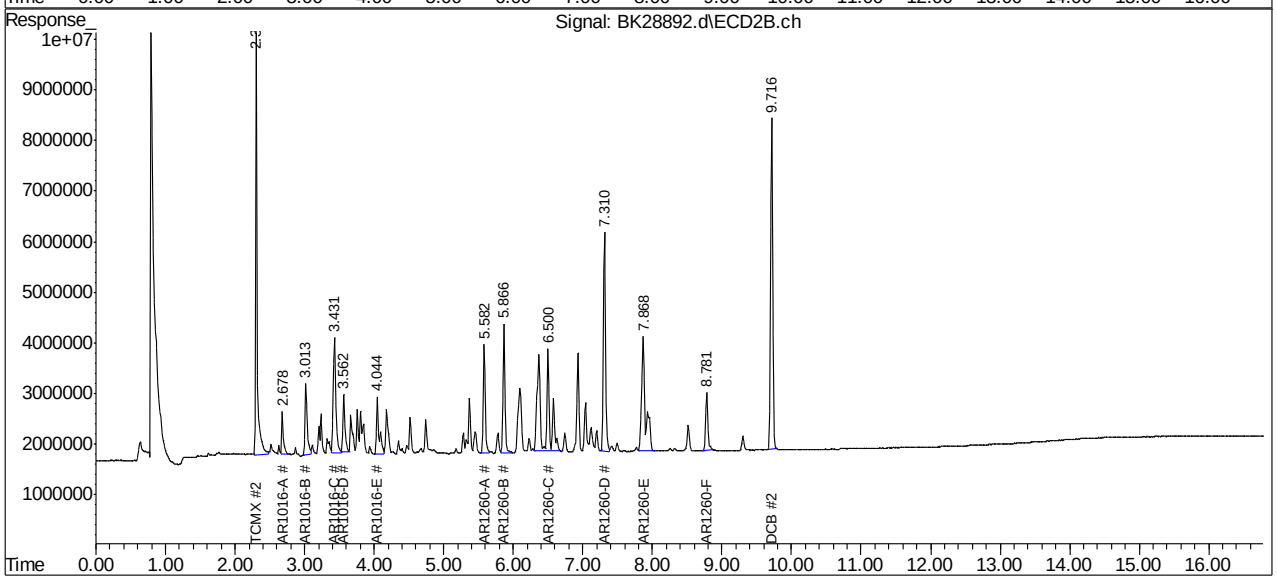
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28892.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 5:16 pm
Operator : nickk
Sample : ic979-100,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 55 Sample Multiplier: 1

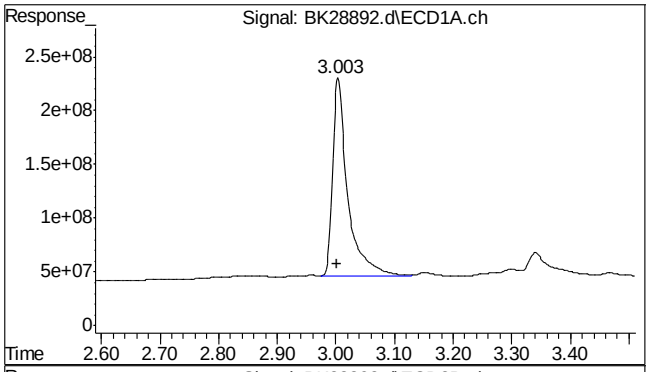
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:00:03 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 17:42:54 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



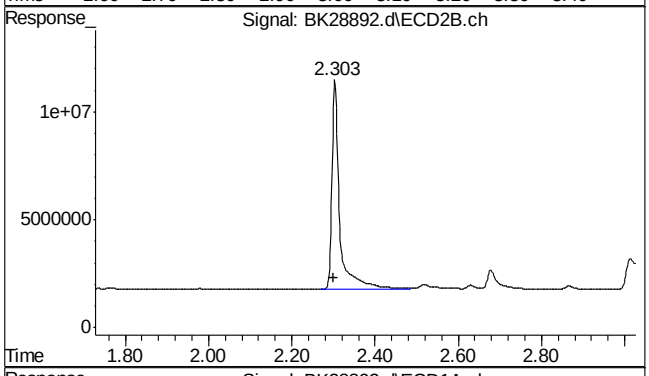


ACCUTEST LABORATORIES MC24064



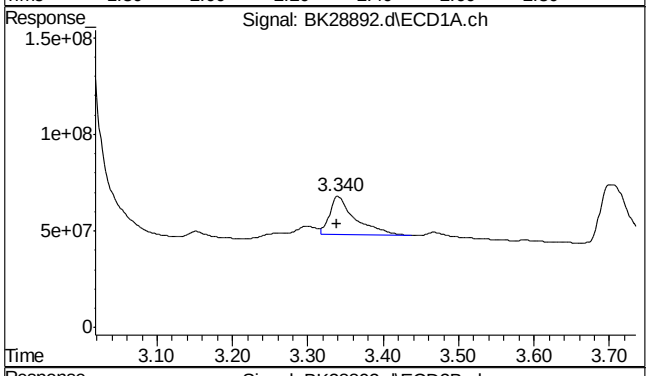
#1 TCMX

R.T.: 3.003 min
Delta R.T.: 0.001 min
Response: 3281127621
Conc: 16.82 ppb m



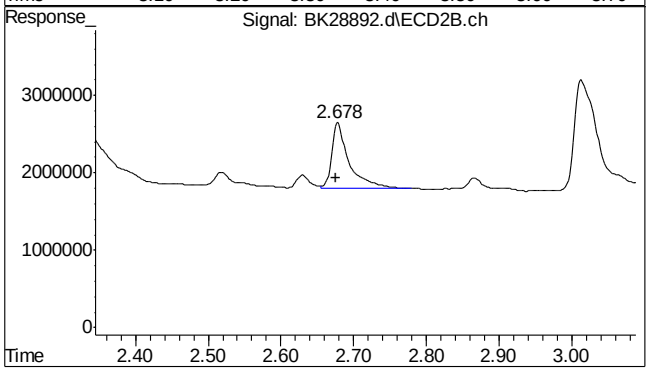
#1 TCMX

R.T.: 2.303 min
Delta R.T.: 0.002 min
Response: 125947905
Conc: 17.21 ppb m



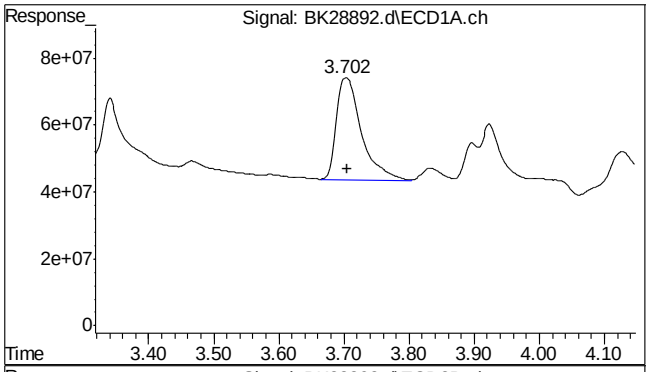
#2 AR1016-A

R.T.: 3.340 min
Delta R.T.: 0.001 min
Response: 470114423
Conc: 95.61 ppb m



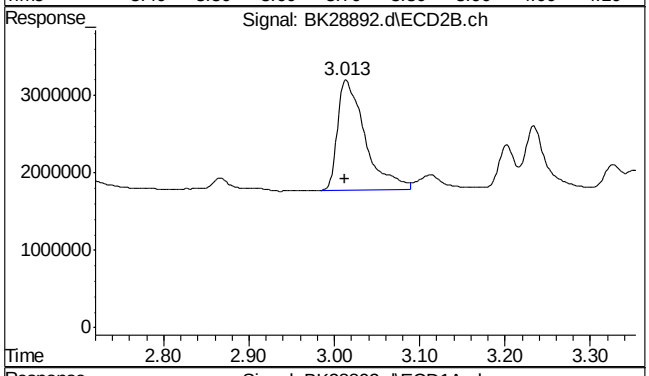
#2 AR1016-A

R.T.: 2.678 min
Delta R.T.: 0.002 min
Response: 14369387
Conc: 104.41 ppb m



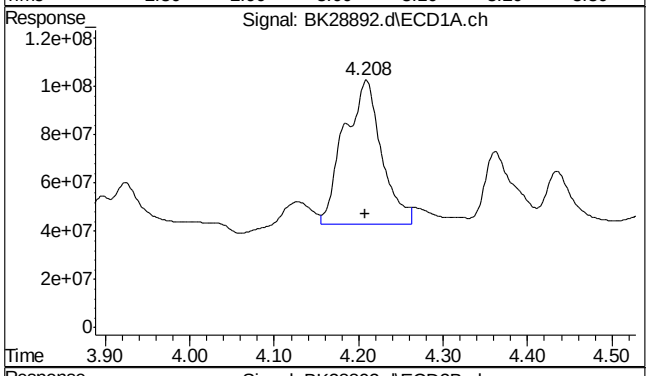
#3 AR1016-B

R.T.: 3.702 min
Delta R.T.: -0.003 min
Response: 827996186
Conc: 109.58 ppb m



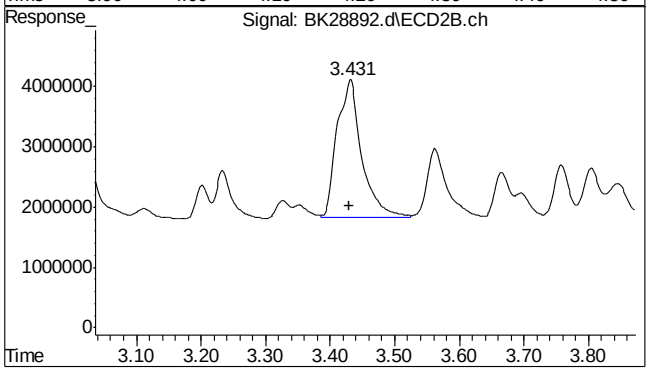
#3 AR1016-B

R.T.: 3.013 min
Delta R.T.: 0.000 min
Response: 31758710
Conc: 113.62 ppb m



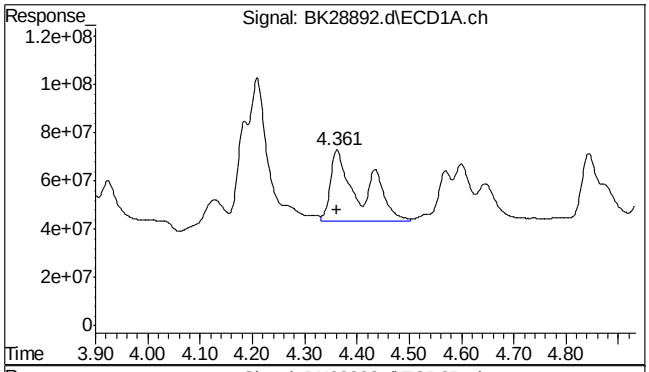
#4 AR1016-C

R.T.: 4.208 min
Delta R.T.: 0.000 min
Response: 1845140772
Conc: 106.55 ppb m



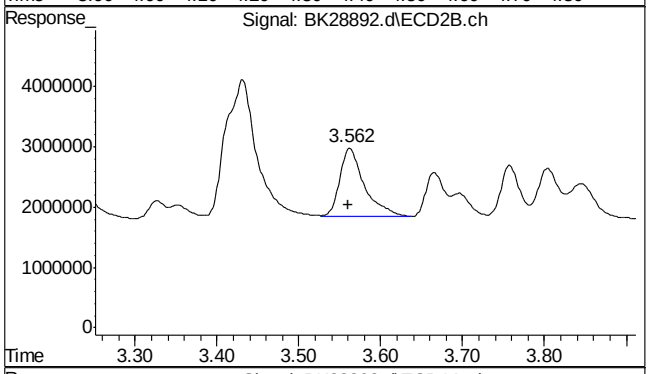
#4 AR1016-C

R.T.: 3.431 min
Delta R.T.: 0.001 min
Response: 60113464
Conc: 111.23 ppb m



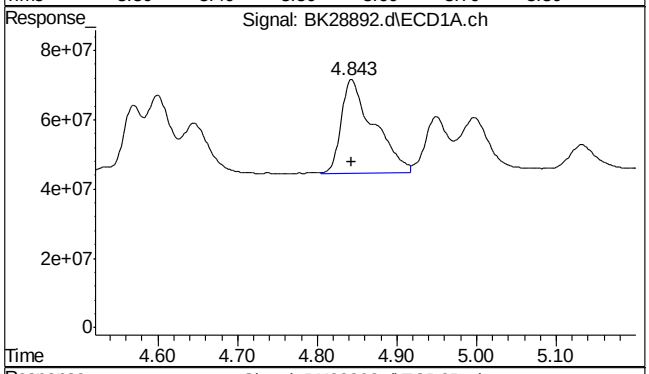
#5 AR1016-D

R.T.: 4.361 min
Delta R.T.: 0.000 min
Response: 1188745609
Conc: 113.66 m



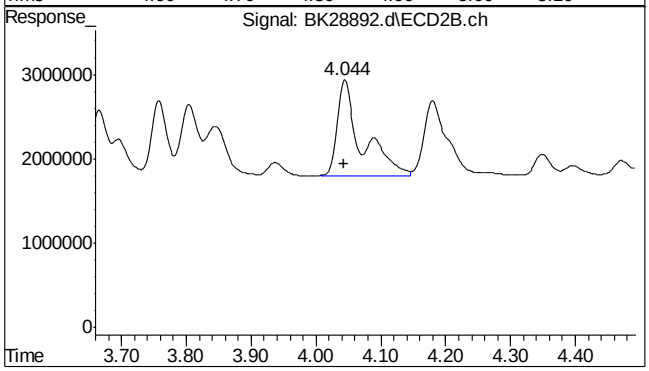
#5 AR1016-D

R.T.: 3.562 min
Delta R.T.: 0.000 min
Response: 23403407
Conc: 110.37 m



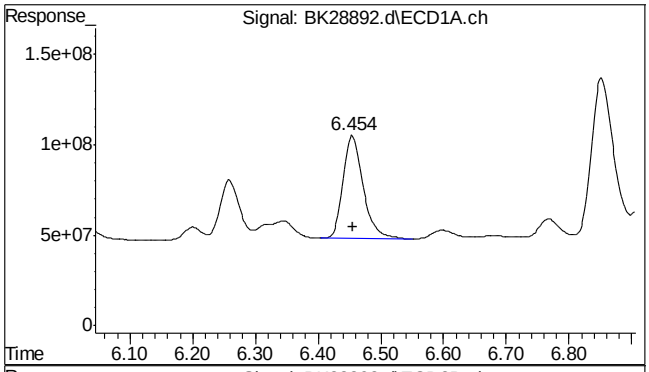
#6 AR1016-E

R.T.: 4.843 min
Delta R.T.: 0.000 min
Response: 765130919
Conc: 110.29 m



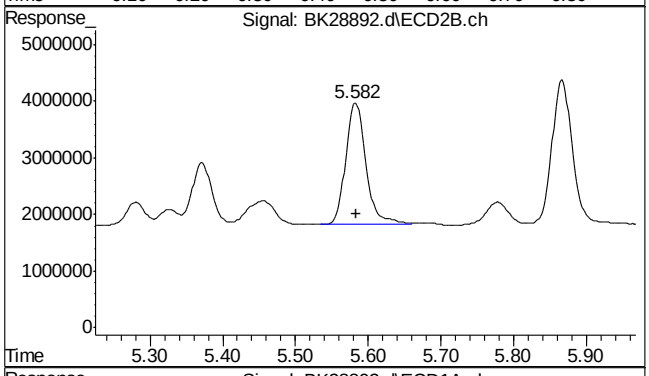
#6 AR1016-E

R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 29208919
Conc: 112.85 m



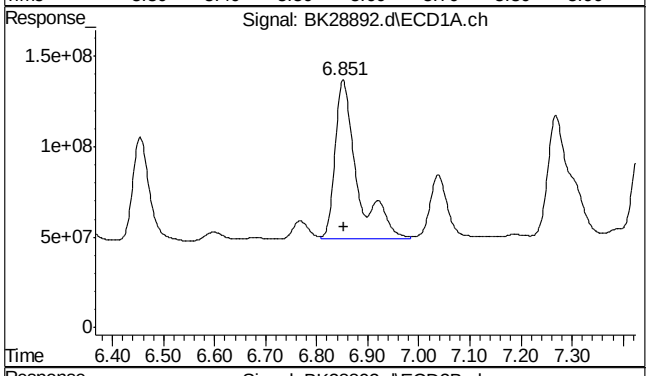
#7 AR1260-A

R.T.: 6.454 min
Delta R.T.: -0.002 min
Response: 1283279255
Conc: 109.58 ppb m



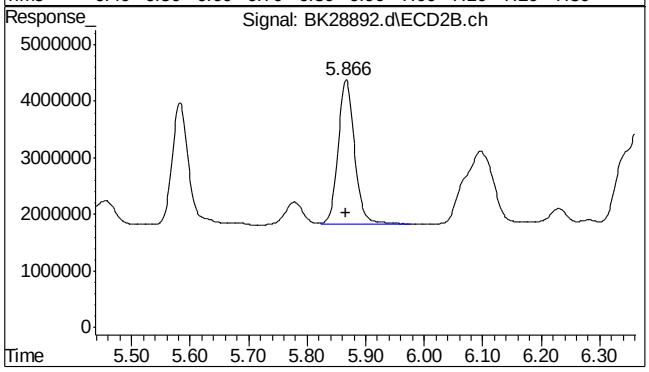
#7 AR1260-A

R.T.: 5.582 min
Delta R.T.: 0.000 min
Response: 41610654
Conc: 112.80 ppb m



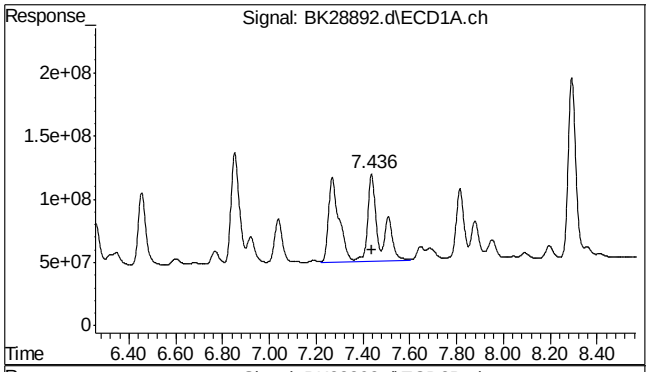
#8 AR1260-B

R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 2664203964
Conc: 110.79 ppb m



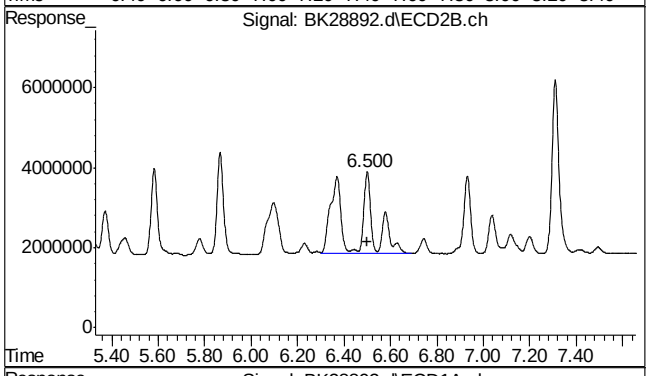
#8 AR1260-B

R.T.: 5.866 min
Delta R.T.: 0.000 min
Response: 49387408
Conc: 112.90 ppb m



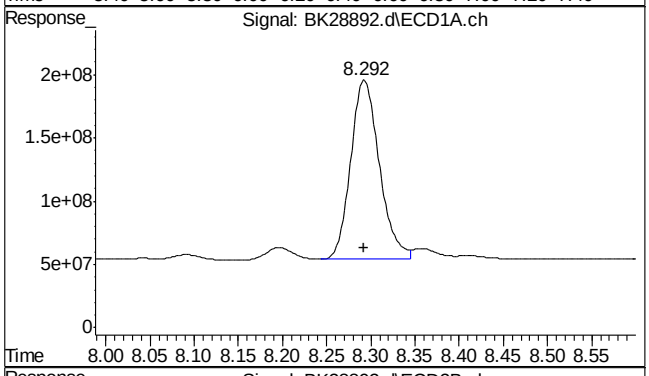
#9 AR1260-C

R.T.: 7.436 min
Delta R.T.: 0.000 min
Response: 4532763612
Conc: 108.01 ppb m



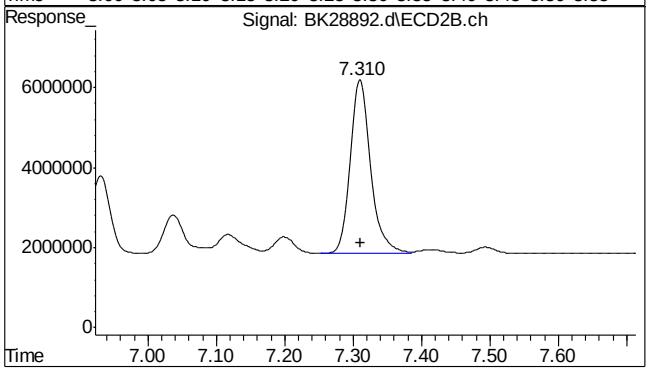
#9 AR1260-C

R.T.: 6.500 min
Delta R.T.: 0.000 min
Response: 125728790
Conc: 111.41 ppb m



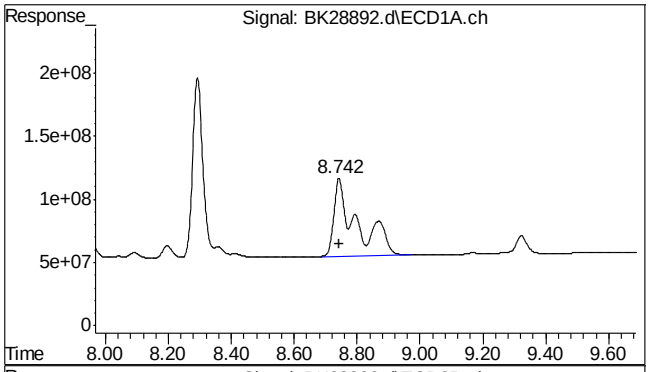
#10 AR1260-D

R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 3211550766
Conc: 107.09 ppb m



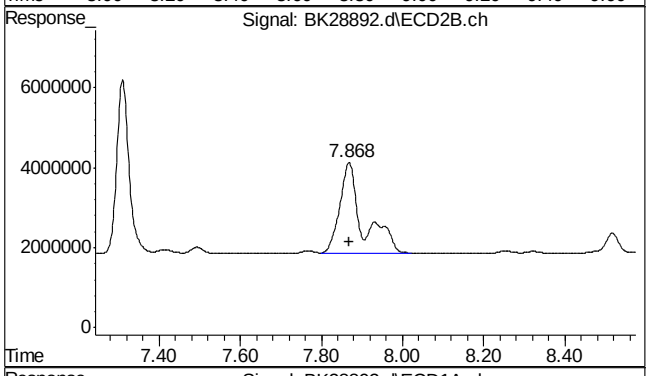
#10 AR1260-D

R.T.: 7.310 min
Delta R.T.: 0.000 min
Response: 91474589
Conc: 107.47 ppb m



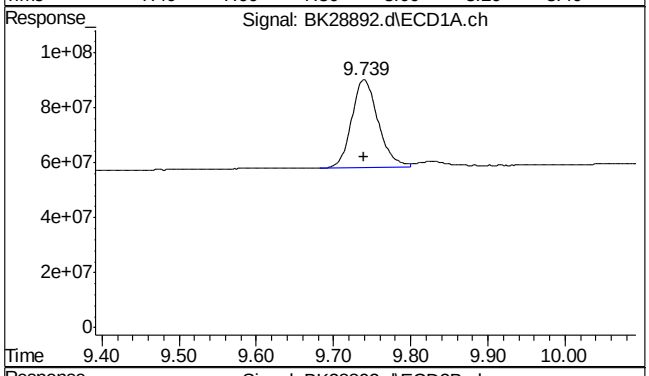
#11 AR1260-E

R.T.: 8.742 min
Delta R.T.: 0.000 min
Response: 3060979088
Conc: 108.21 ppb m



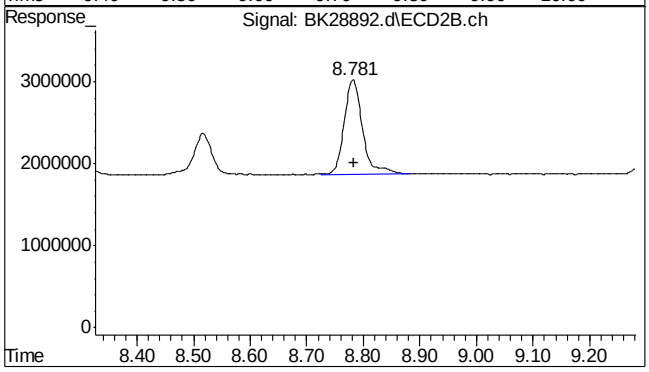
#11 AR1260-E

R.T.: 7.868 min
Delta R.T.: 0.000 min
Response: 88990608
Conc: 108.41 ppb m



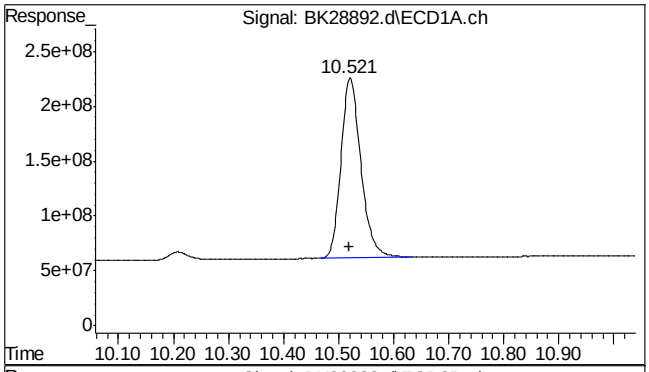
#12 AR1260-F

R.T.: 9.740 min
Delta R.T.: 0.000 min
Response: 762559086
Conc: 107.74



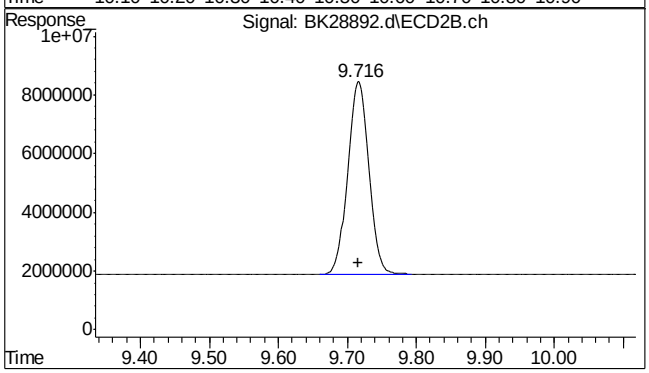
#12 AR1260-F

R.T.: 8.781 min
Delta R.T.: -0.001 min
Response: 25661366
Conc: 109.77 m



#13 DCB

R.T.: 10.521 min
Delta R.T.: 0.000 min
Response: 4126517673
Conc: 17.41 ppb m



#13 DCB

R.T.: 9.716 min
Delta R.T.: 0.000 min
Response: 140694894
Conc: 17.38 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28893.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 5:35 pm
Operator : nickk
Sample : ic979-50,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 07:59:24 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 17:45:54 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.003	2.303	1913.1E6	72623561	9.630m	9.676m
	Spiked Amount 40.000			Recovery	=	24.08%	24.19%
13) s	DCB	10.520	9.715	2600.5E6	91057942	10.922m	11.167m
	Spiked Amount 40.000			Recovery	=	27.31%	27.92%
	Target Compounds						
2)	AR1016-A	3.340	2.677	235.3E6	7045180	50.555m	51.028m
3)	AR1016-B	3.704	3.013	424.8E6	17153139	55.195m	59.724m
4)	AR1016-C	4.209	3.431	975.2E6	33149848	56.395m	60.253m
5)	AR1016-D	4.362	3.562	578.3E6	12764771	53.633m	59.088m
6)	AR1016-E	4.843	4.044	407.3E6	15828487	57.862m	59.937m
7)	AR1260-A	6.454	5.582	707.4E6	22743500	59.839m	60.632m
8)	AR1260-B	6.851	5.866	1399.9E6	26496639	57.622m	59.826m
9)	AR1260-C	7.437	6.499	2468.5E6	66015337	58.315m	57.986m
10)	AR1260-D	8.292	7.309	1660.5E6	49683873	54.965m	57.857m
11)	AR1260-E	8.742	7.866	1663.9E6	48898362	58.505m	59.072m
12)	AR1260-F	9.739	8.780	391.1E6	14125177	55.133m	59.473m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

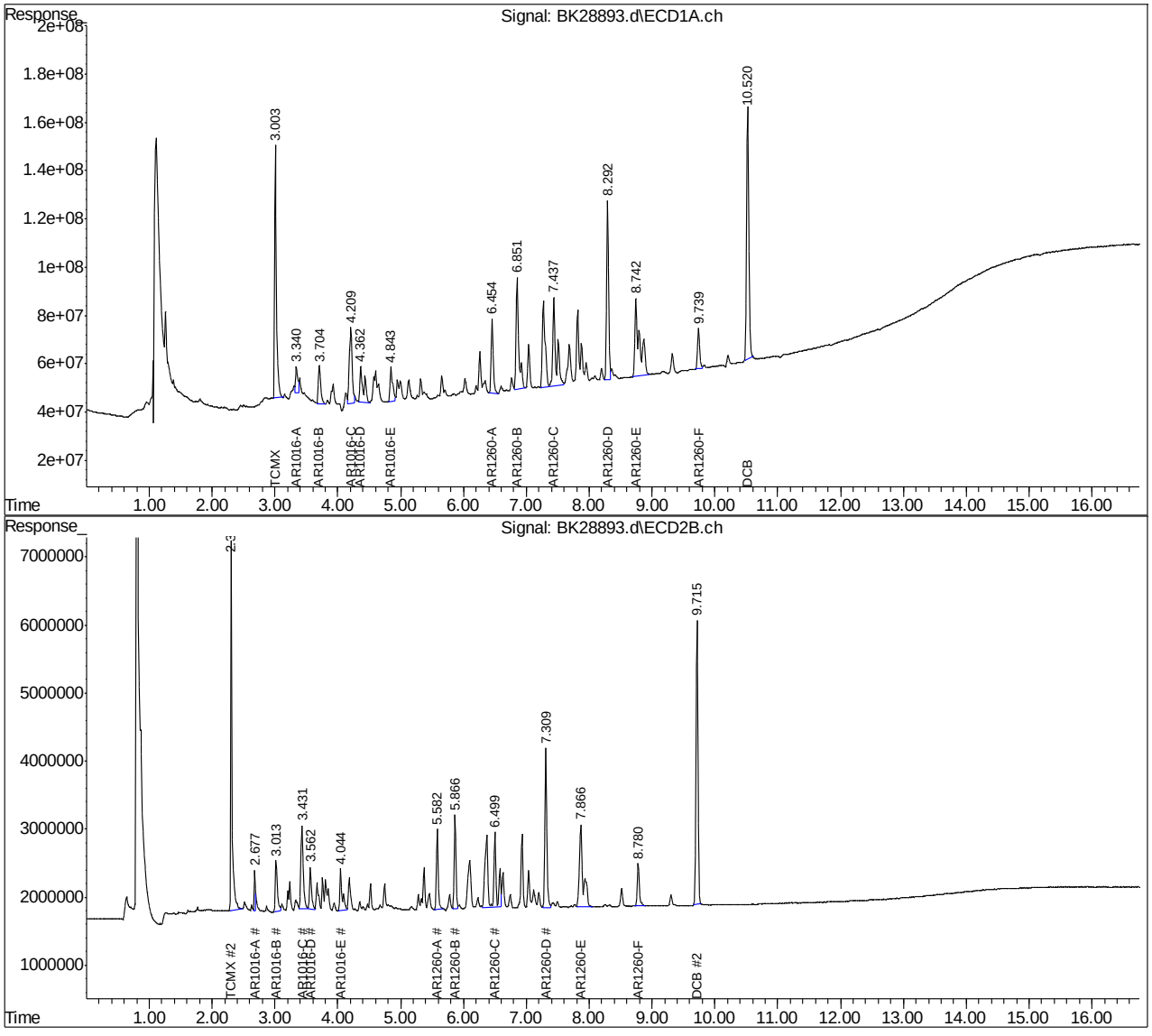
11.5.6 11

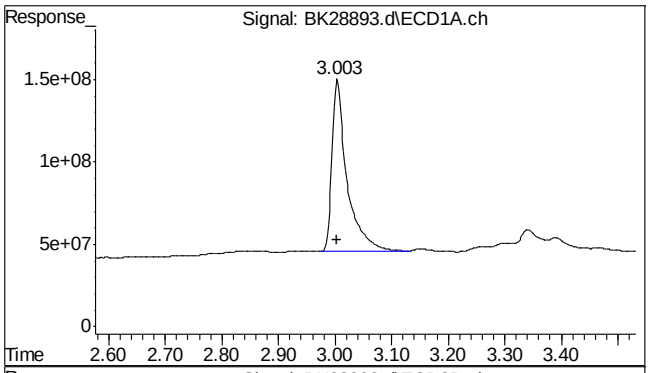
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28893.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 5:35 pm
Operator : nickk
Sample : ic979-50,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 07:59:24 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Thu Sep 05 17:45:54 2013
Response via : Initial Calibration
Integrator: ChemStation

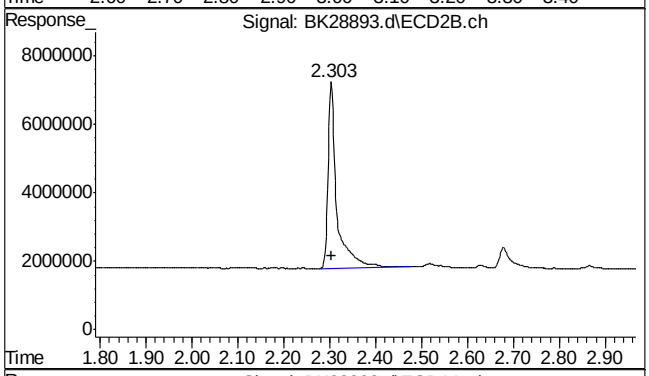
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





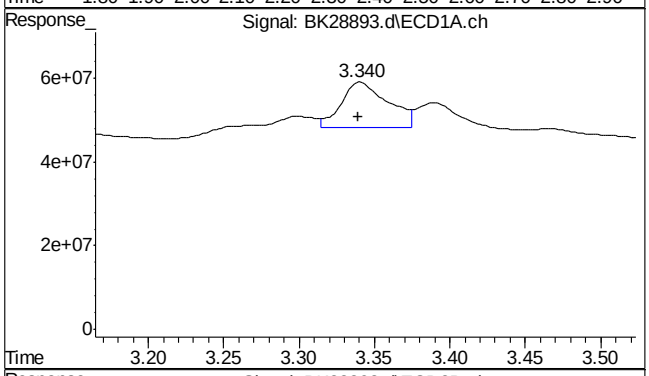
#1 TCMX

R.T.: 3.003 min
Delta R.T.: 0.000 min
Response: 1913136890
Conc: 9.63 ppb m



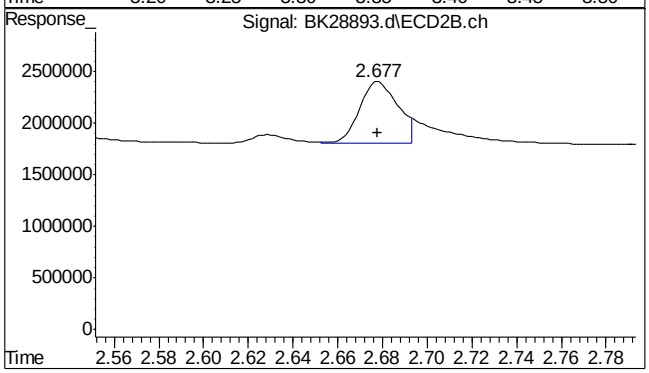
#1 TCMX

R.T.: 2.303 min
Delta R.T.: 0.000 min
Response: 72623561
Conc: 9.68 ppb m



#2 AR1016-A

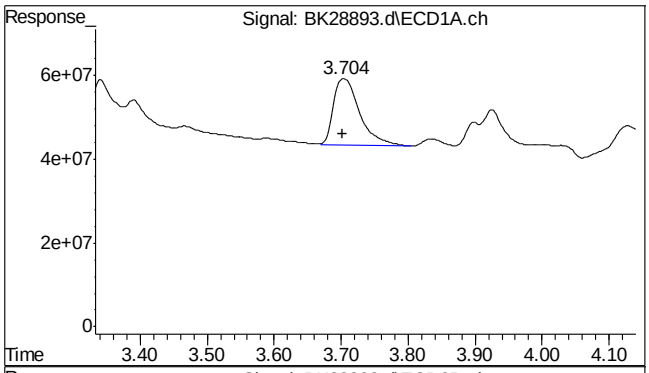
R.T.: 3.340 min
Delta R.T.: 0.000 min
Response: 235340645
Conc: 50.55 ppb m



#2 AR1016-A

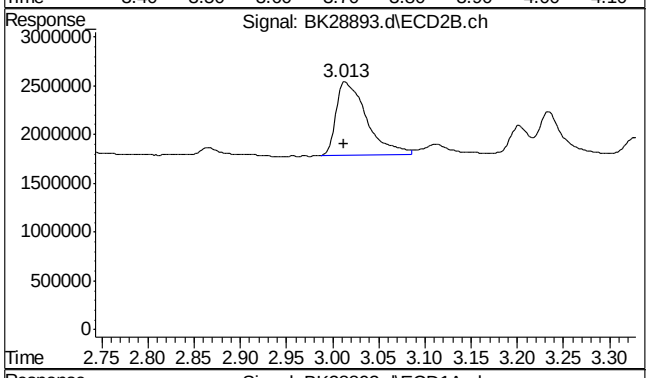
R.T.: 2.677 min
Delta R.T.: 0.000 min
Response: 7045180
Conc: 51.03 ppb m

11.5.6 11



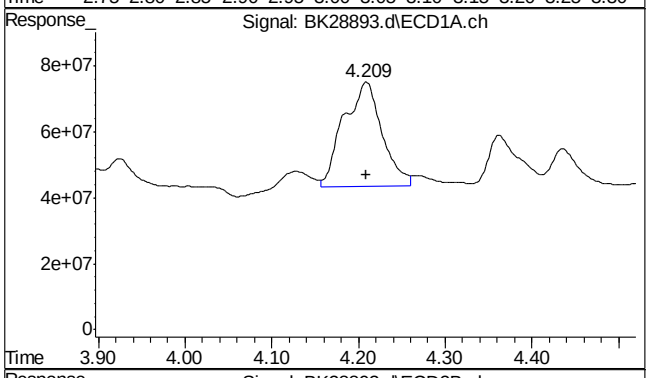
#3 AR1016-B

R.T.: 3.704 min
Delta R.T.: 0.002 min
Response: 424769336
Conc: 55.19 ppb m



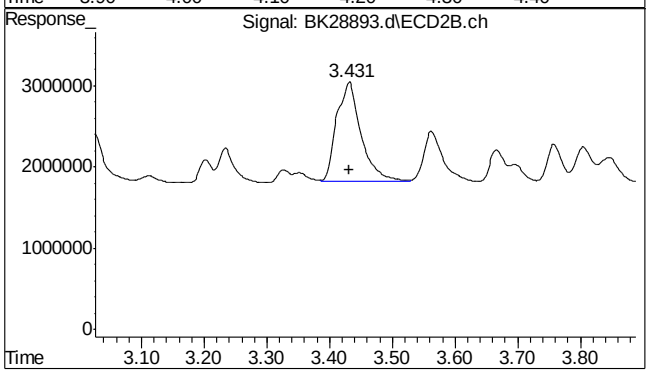
#3 AR1016-B

R.T.: 3.013 min
Delta R.T.: 0.000 min
Response: 17153139
Conc: 59.72 ppb m



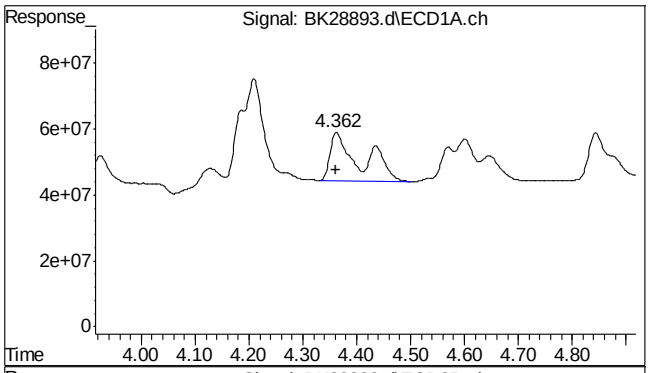
#4 AR1016-C

R.T.: 4.209 min
Delta R.T.: 0.000 min
Response: 975201982
Conc: 56.40 ppb m



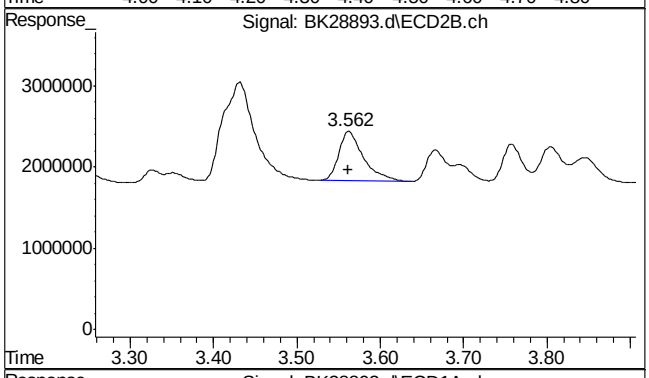
#4 AR1016-C

R.T.: 3.431 min
Delta R.T.: 0.000 min
Response: 33149848
Conc: 60.25 ppb m



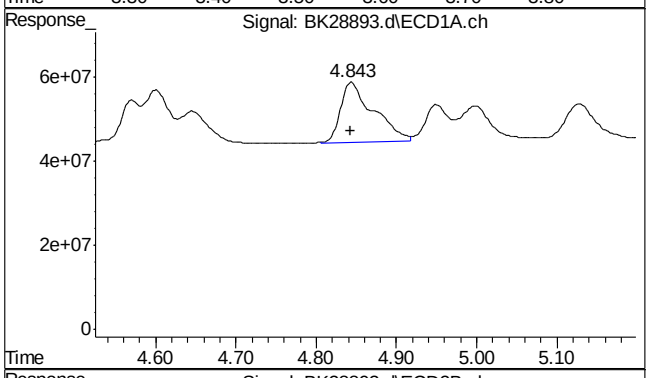
#5 AR1016-D

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 578342750
Conc: 53.63 m



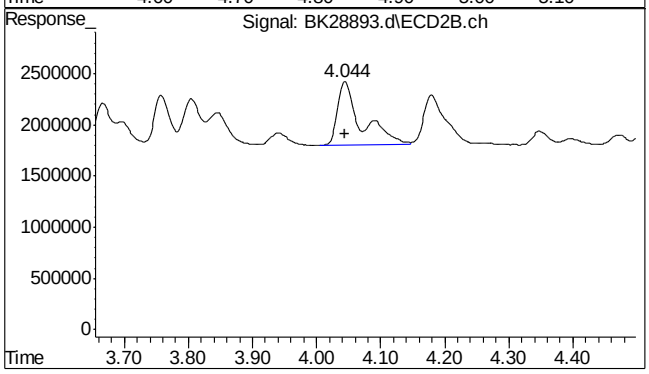
#5 AR1016-D

R.T.: 3.562 min
Delta R.T.: 0.000 min
Response: 12764771
Conc: 59.09 m



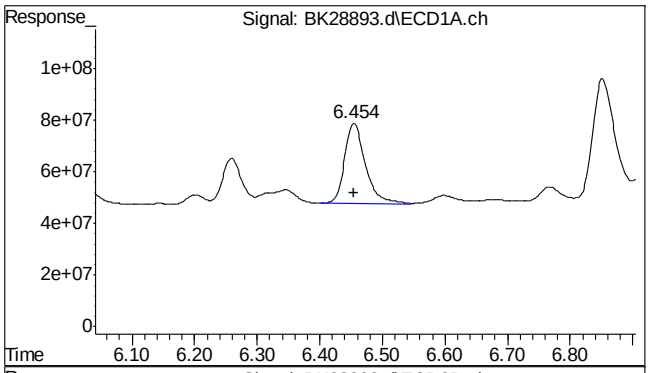
#6 AR1016-E

R.T.: 4.843 min
Delta R.T.: 0.000 min
Response: 407304877
Conc: 57.86 m



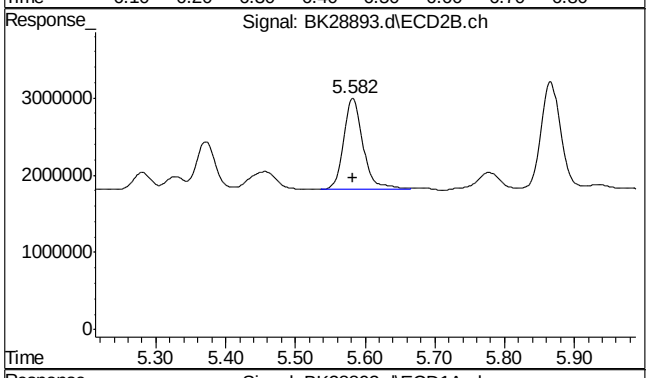
#6 AR1016-E

R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 15828487
Conc: 59.94 m



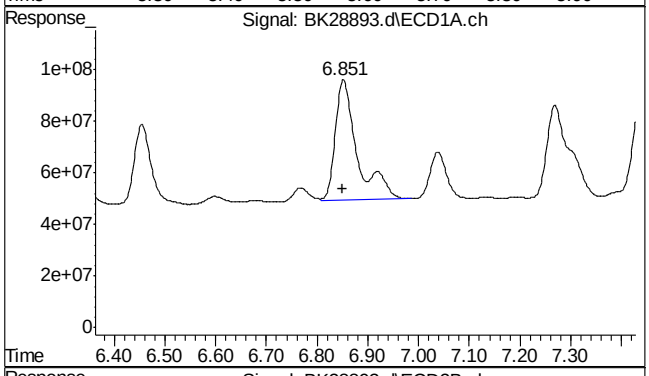
#7 AR1260-A

R.T.: 6.454 min
Delta R.T.: 0.000 min
Response: 707443408
Conc: 59.84 ppb m



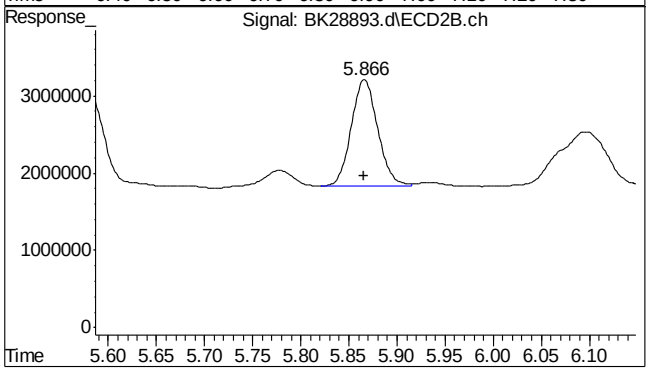
#7 AR1260-A

R.T.: 5.582 min
Delta R.T.: 0.000 min
Response: 22743500
Conc: 60.63 ppb m



#8 AR1260-B

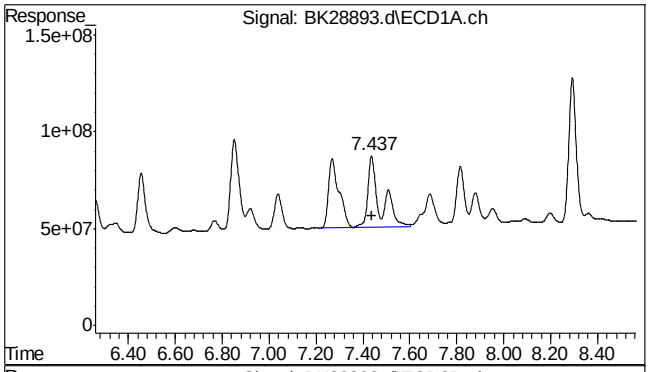
R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 1399909451
Conc: 57.62 ppb m



#8 AR1260-B

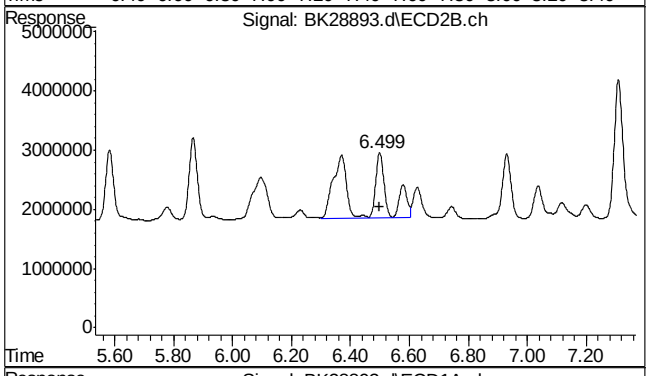
R.T.: 5.866 min
Delta R.T.: 0.000 min
Response: 26496639
Conc: 59.83 ppb m

11.5.6 11



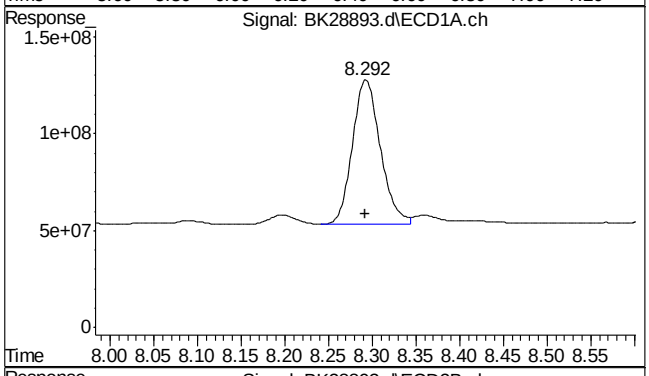
#9 AR1260-C

R.T.: 7.437 min
Delta R.T.: 0.000 min
Response: 2468541797
Conc: 58.32 ppb m



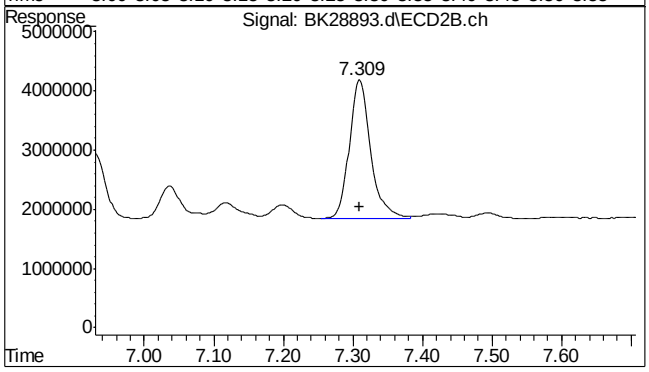
#9 AR1260-C

R.T.: 6.499 min
Delta R.T.: 0.000 min
Response: 66015337
Conc: 57.99 ppb m



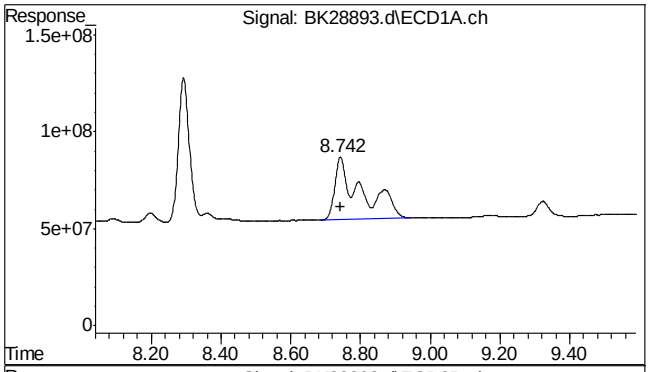
#10 AR1260-D

R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 1660471512
Conc: 54.96 ppb m



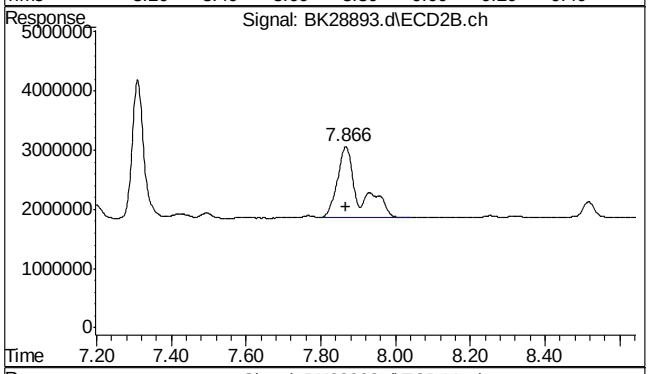
#10 AR1260-D

R.T.: 7.309 min
Delta R.T.: 0.000 min
Response: 49683873
Conc: 57.86 ppb m



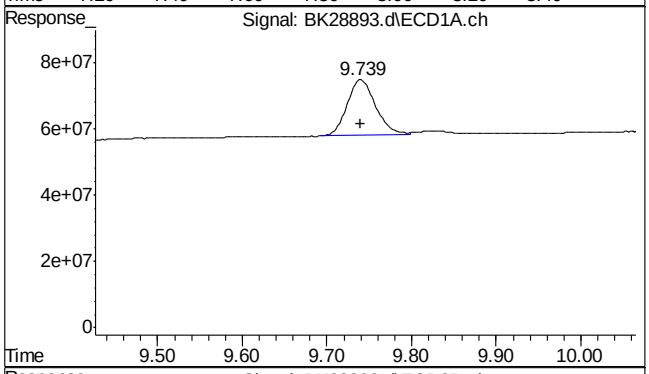
#11 AR1260-E

R.T.: 8.742 min
Delta R.T.: 0.000 min
Response: 1663926454
Conc: 58.50 ppb m



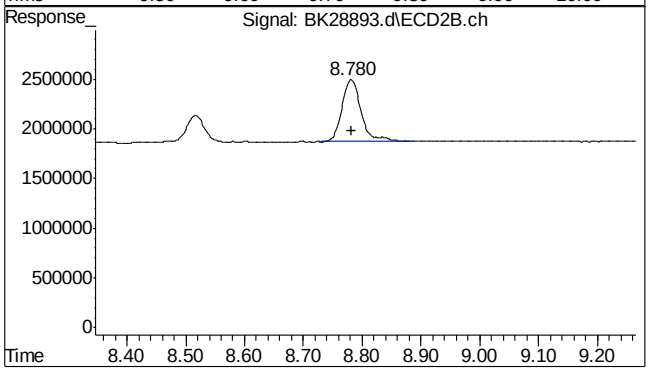
#11 AR1260-E

R.T.: 7.866 min
Delta R.T.: -0.002 min
Response: 48898362
Conc: 59.07 ppb m



#12 AR1260-F

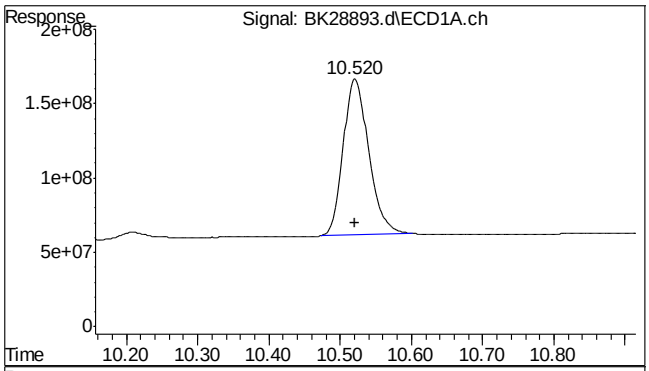
R.T.: 9.739 min
Delta R.T.: 0.000 min
Response: 391071387
Conc: 55.13 m



#12 AR1260-F

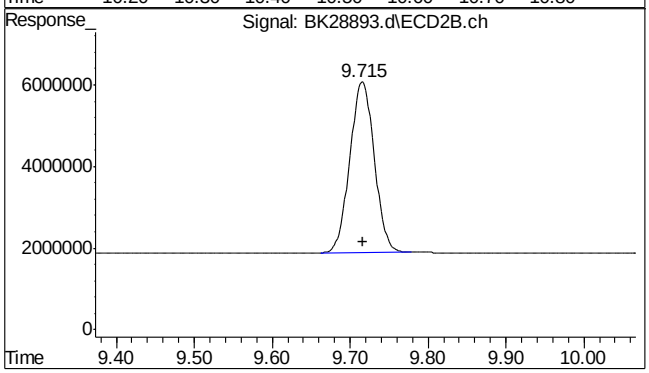
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 14125177
Conc: 59.47 m

11.5.6 11



#13 DCB

R.T.: 10.520 min
Delta R.T.: 0.000 min
Response: 2600455497
Conc: 10.92 ppb m



#13 DCB

R.T.: 9.715 min
Delta R.T.: 0.000 min
Response: 91057942
Conc: 11.17 ppb m

11.5.6
11

BK28894.D

Manual Integrations APPROVED (compounds with "m" flag)

Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28894.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 5:54 pm
Operator : nickk
Sample : ic979-500,a21/54
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:08:28 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:05:04 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.003	2.302	9480.6E6	362.1E6	45.383m	45.991
	Spiked Amount 40.000			Recovery	=	113.46%	114.98%
13) s	DCB	10.523	9.717	9662.7E6	336.0E6	38.939	39.192
	Spiked Amount 40.000			Recovery	=	97.35%	97.98%
	Target Compounds						
14)	AR1221-A	2.506f	1.975f	1016.2E6	26852099	513.768m	651.401m#
15)	AR1221-B	3.151f	2.517f	1188.9E6	40626719	487.008m	670.442m#
16)	AR1221-C	3.339f	2.676f	3305.7E6	110.1E6	476.386m	720.317m#
32)	AR1254-A	5.319f	4.518f	9148.2E6	245.2E6	556.933m	748.144m#
33)	AR1254-B	5.653f	4.742f	12485.6E6	355.4E6	559.647m	760.037m#
34)	AR1254-C	6.201f	5.326f	18341.4E6	596.4E6	603.840m	784.779m#
35)	AR1254-D	6.593f	5.627f	7507.4E6	350.8E6	662.599m	848.324m#
36)	AR1254-E	7.270f	6.372f	9962.5E6	301.2E6	625.913m	846.816m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

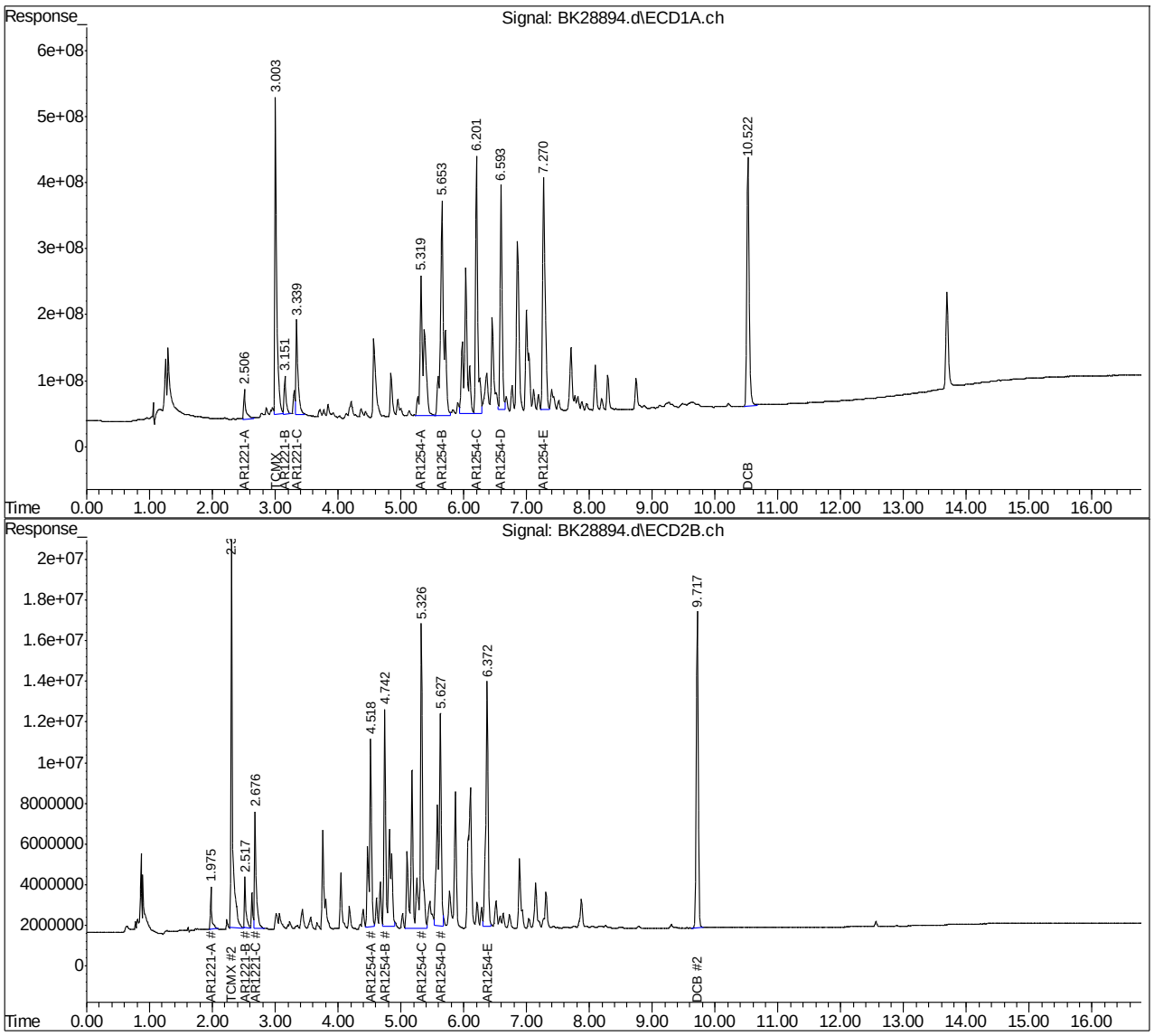
11.5.7 11

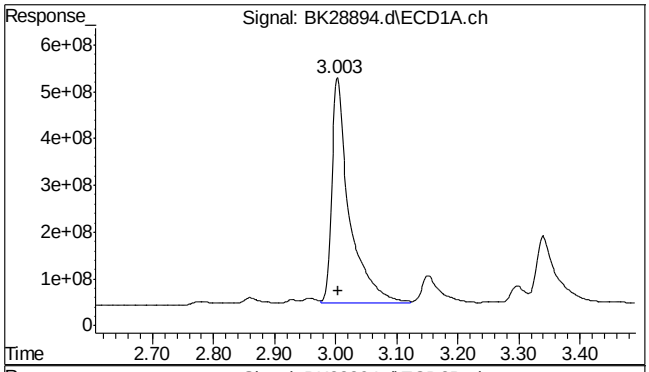
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28894.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 5:54 pm
Operator : nickk
Sample : ic979-500,a21/54
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:08:28 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:05:04 2013
Response via : Initial Calibration
Integrator: ChemStation

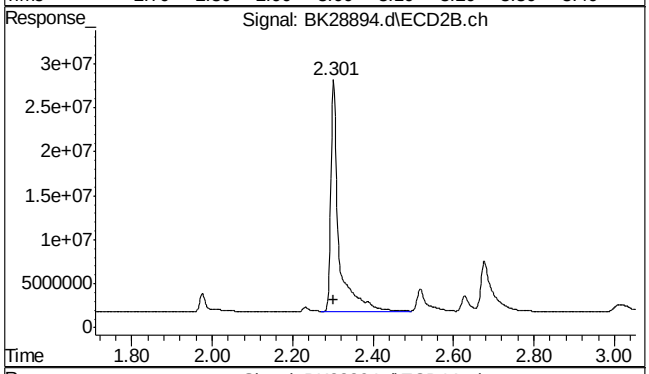
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





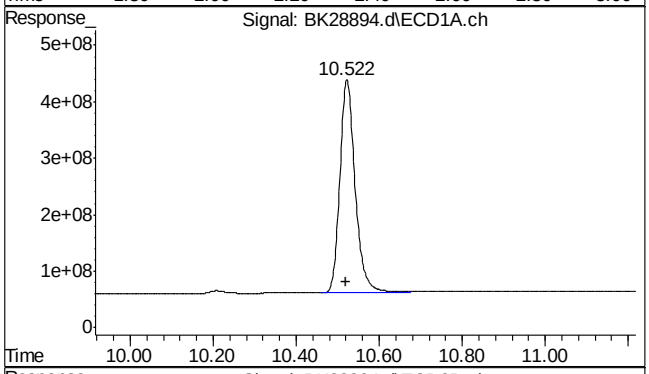
#1 TCMX

R.T.: 3.003 min
Delta R.T.: -0.001 min
Response: 9480568301
Conc: 45.38 ppb m



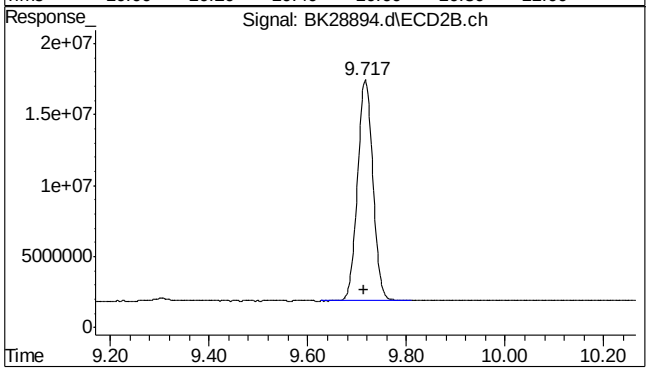
#1 TCMX

R.T.: 2.302 min
Delta R.T.: -0.001 min
Response: 362148147
Conc: 45.99 ppb



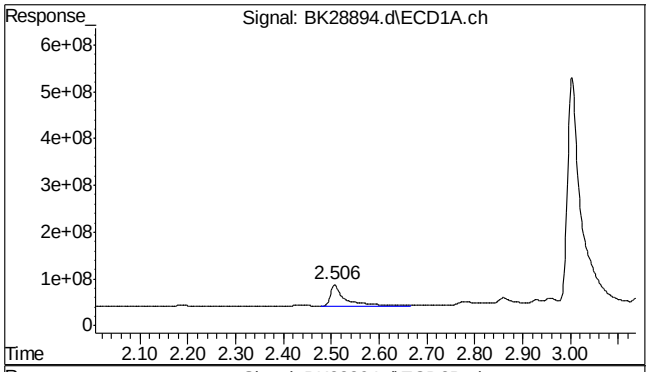
#13 DCB

R.T.: 10.523 min
Delta R.T.: 0.003 min
Response: 9662749298
Conc: 38.94 ppb



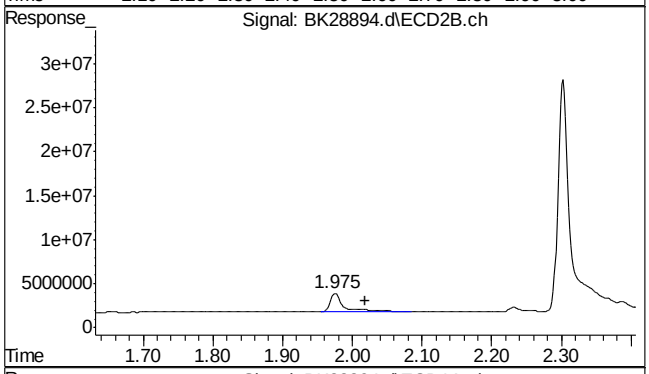
#13 DCB

R.T.: 9.717 min
Delta R.T.: 0.002 min
Response: 335951125
Conc: 39.19 ppb



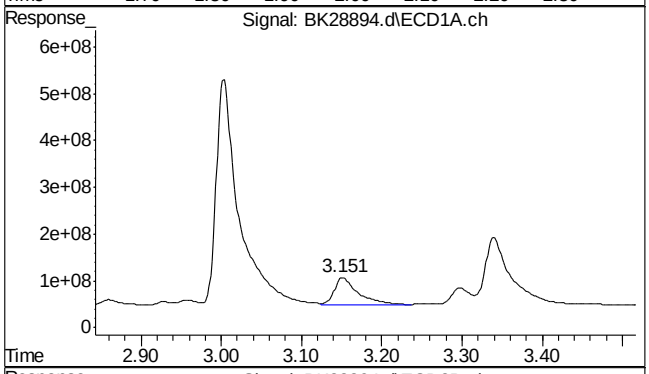
#14 AR1221-A

R.T.: 2.506 min
Delta R.T.: 0.530 min
Response: 1016196635
Conc: 513.77 ppb m



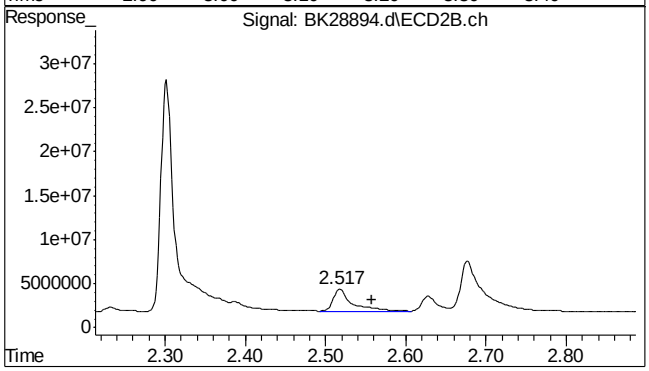
#14 AR1221-A

R.T.: 1.975 min
Delta R.T.: -0.044 min
Response: 26852099
Conc: 651.40 ppb m



#15 AR1221-B

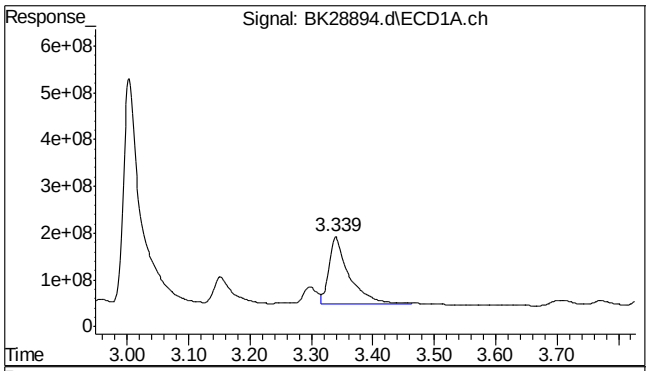
R.T.: 3.151 min
Delta R.T.: 0.674 min
Response: 1188910770
Conc: 487.01 ppb m



#15 AR1221-B

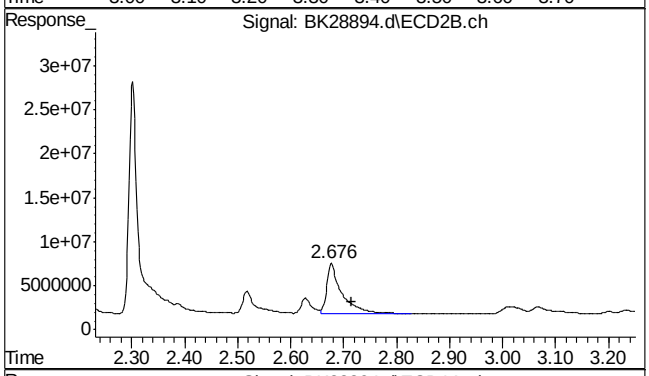
R.T.: 2.517 min
Delta R.T.: -0.041 min
Response: 40626719
Conc: 670.44 ppb m

11.5.7 11



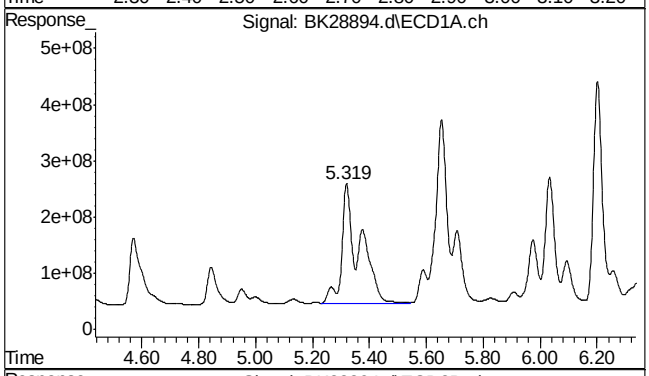
#16 AR1221-C

R.T.: 3.339 min
Delta R.T.: 0.715 min
Response: 3305747896
Conc: 476.39 ppb m



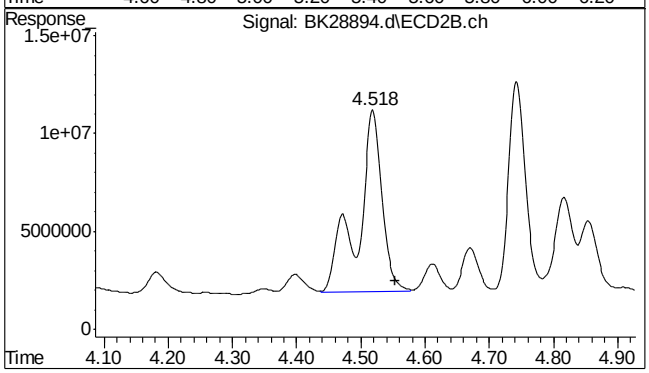
#16 AR1221-C

R.T.: 2.676 min
Delta R.T.: -0.040 min
Response: 110127152
Conc: 720.32 ppb m



#32 AR1254-A

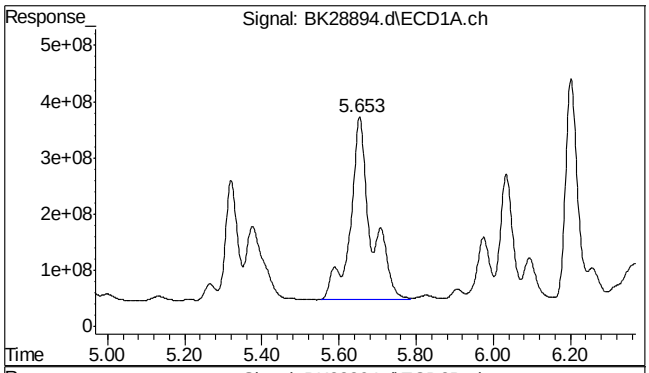
R.T.: 5.319 min
Delta R.T.: 1.073 min
Response: 9148204850
Conc: 556.93 ppb m



#32 AR1254-A

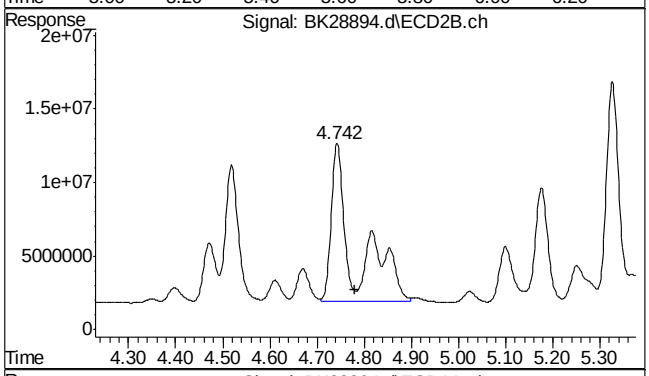
R.T.: 4.518 min
Delta R.T.: -0.036 min
Response: 245164091
Conc: 748.14 ppb m

11.5.7 11



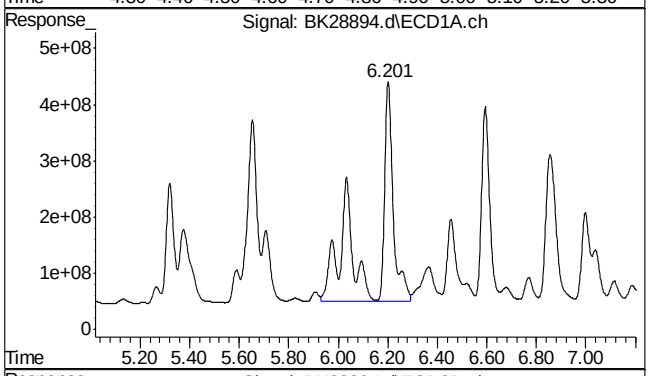
#33 AR1254-B

R.T.: 5.653 min
Delta R.T.: 1.118 min
Response: 12485571958
Conc: 559.65 ppb m



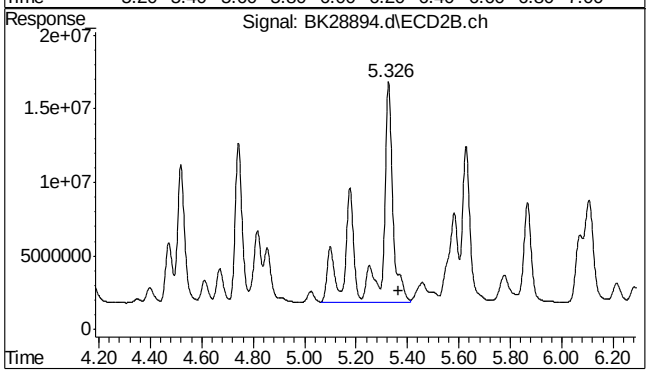
#33 AR1254-B

R.T.: 4.742 min
Delta R.T.: -0.038 min
Response: 355362943
Conc: 760.04 ppb m



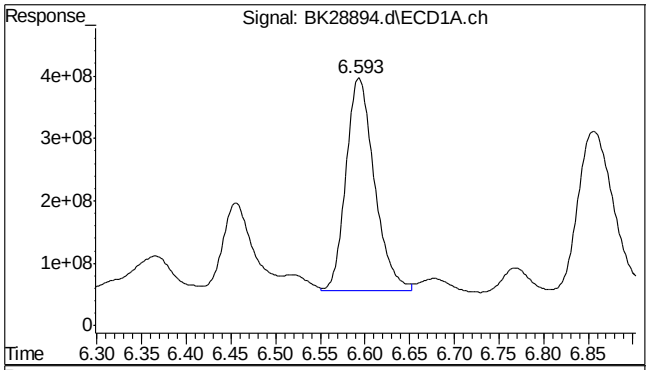
#34 AR1254-C

R.T.: 6.201 min
Delta R.T.: 1.185 min
Response: 18341442615
Conc: 603.84 ppb m



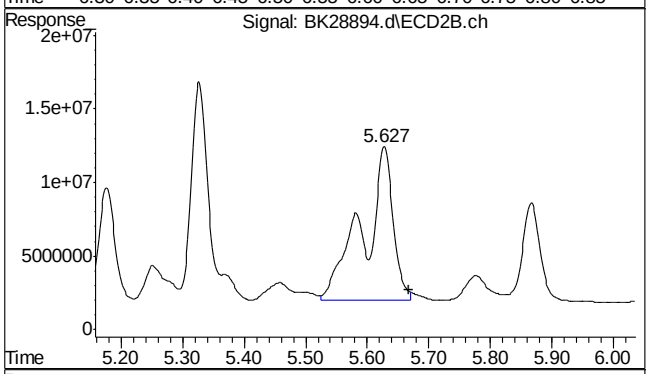
#34 AR1254-C

R.T.: 5.326 min
Delta R.T.: -0.040 min
Response: 596420803
Conc: 784.78 ppb m



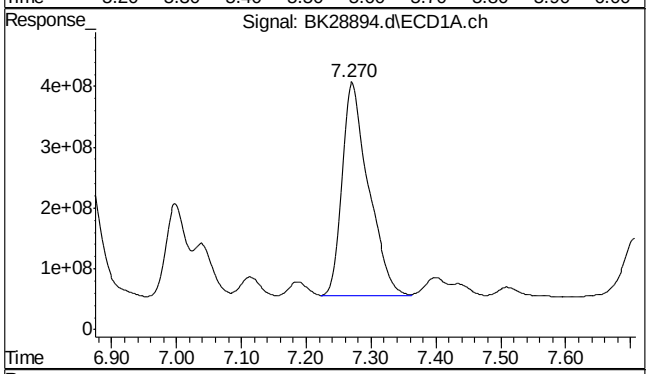
#35 AR1254-D

R.T.: 6.593 min
Delta R.T.: 1.223 min
Response: 7507382150
Conc: 662.60 ppb m



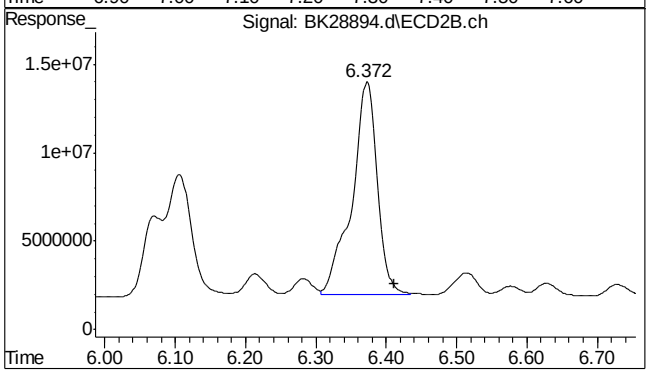
#35 AR1254-D

R.T.: 5.627 min
Delta R.T.: -0.041 min
Response: 350849009
Conc: 848.32 ppb m



#36 AR1254-E

R.T.: 7.270 min
Delta R.T.: 1.287 min
Response: 9962514753
Conc: 625.91 ppb m



#36 AR1254-E

R.T.: 6.372 min
Delta R.T.: -0.040 min
Response: 301240584
Conc: 846.82 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28895.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 6:13 pm
Operator : nickk
Sample : ic979-500,a32/62
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:20:15 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:08:35 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1)	s TCMX	3.003	2.301	9002.7E6	320.2E6	43.667	41.144
	Spiked Amount 40.000			Recovery	=	109.17%	102.86%
13)	s DCB	10.522	9.718	9860.3E6	339.1E6	40.787	40.644
	Spiked Amount 40.000			Recovery	=	101.97%	101.61%
	Target Compounds						
17)	AR1232-A	3.338f	2.676f	2329.8E6	69881807	702.060m	687.982m
18)	AR1232-B	3.704f	3.012f	1753.0E6	68997473	478.223m	646.129m#
19)	AR1232-C	4.208f	3.431f	4168.3E6	120.2E6	637.320m	715.174m
20)	AR1232-D	4.598f	3.757f	2077.5E6	76063955	457.977m	654.064m#
21)	AR1232-E	5.411f	4.524f	3460.7E6	123.9E6	567.916m	698.369m
37)	AR1262-A	6.455f	5.584f	3998.5E6	137.4E6	472.067m	667.506m#
38)	AR1262-B	6.852f	5.867f	8844.3E6	146.9E6	495.021m	694.508m#
39)	AR1262-C	7.438f	6.501f	18249.2E6	479.0E6	484.276m	675.469m#
40)	AR1262-D	8.795f	7.862f	16789.9E6	501.3E6	472.374m	694.842m#
41)	AR1262-E	9.741f	8.783f	4814.9E6	164.0E6	497.662m	725.345m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

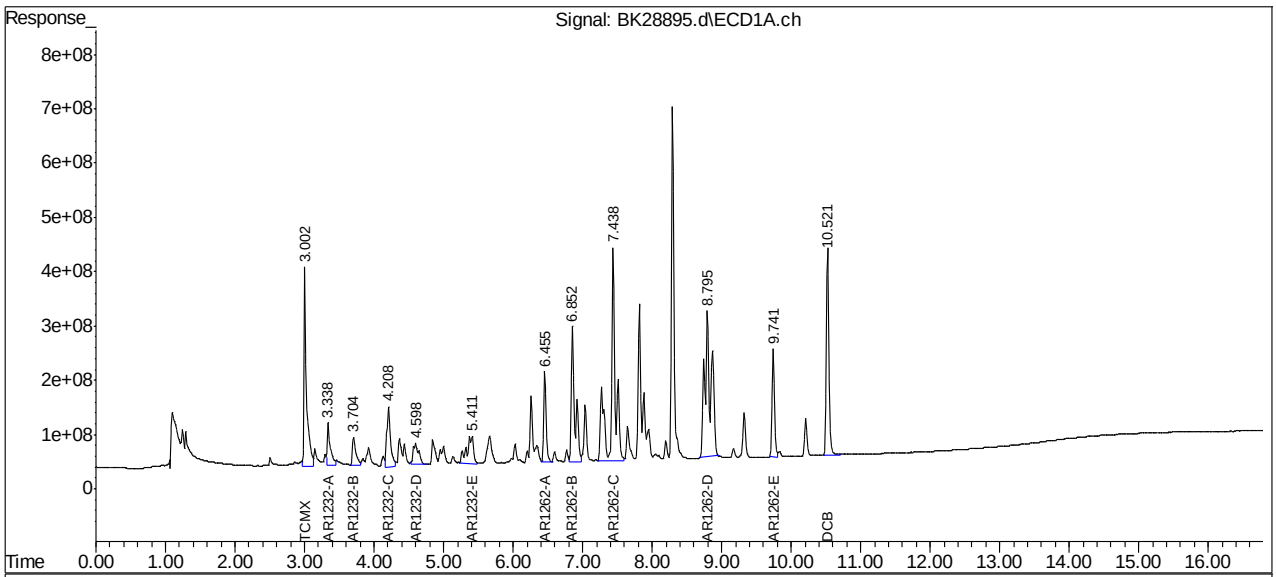
11.5.8 11

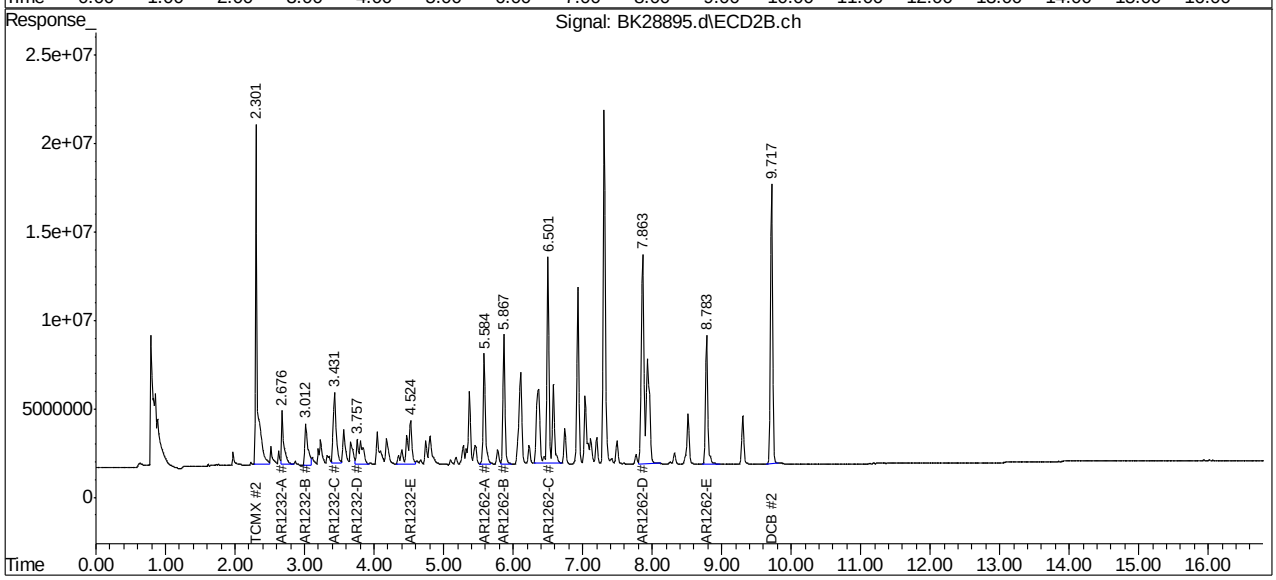
Quantitation Report (QT Reviewed)

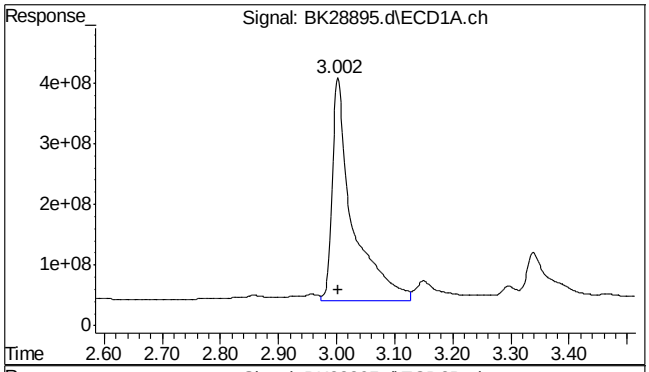
Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28895.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 6:13 pm
Operator : nickk
Sample : ic979-500,a32/62
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:20:15 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:08:35 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

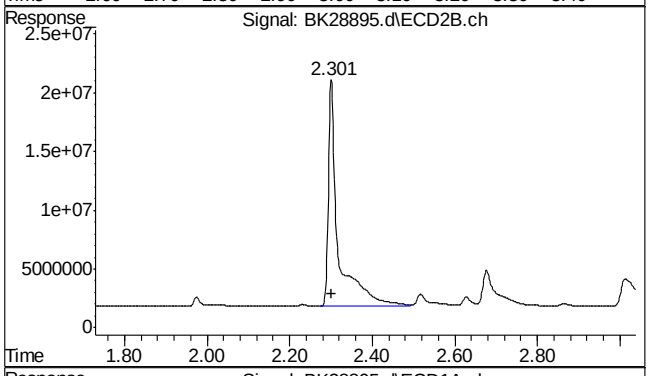






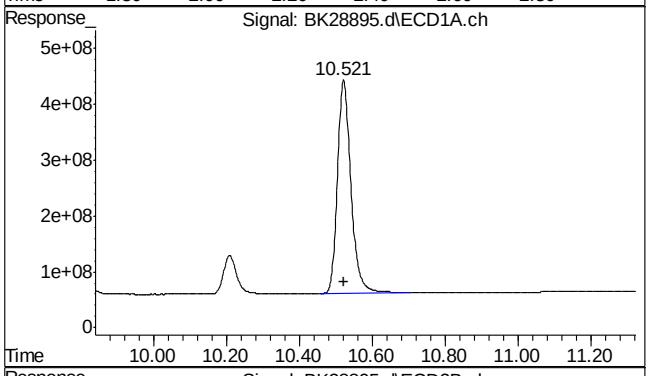
#1 TCMX

R.T.: 3.003 min
Delta R.T.: 0.000 min
Response: 9002728946
Conc: 43.67 ppb



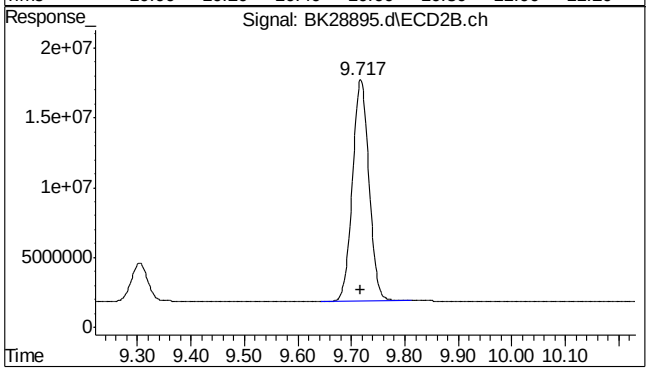
#1 TCMX

R.T.: 2.301 min
Delta R.T.: 0.000 min
Response: 320187221
Conc: 41.14 ppb



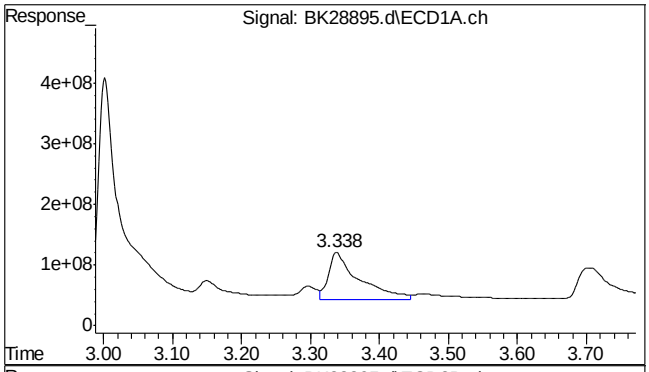
#13 DCB

R.T.: 10.522 min
Delta R.T.: 0.000 min
Response: 9860266344
Conc: 40.79 ppb



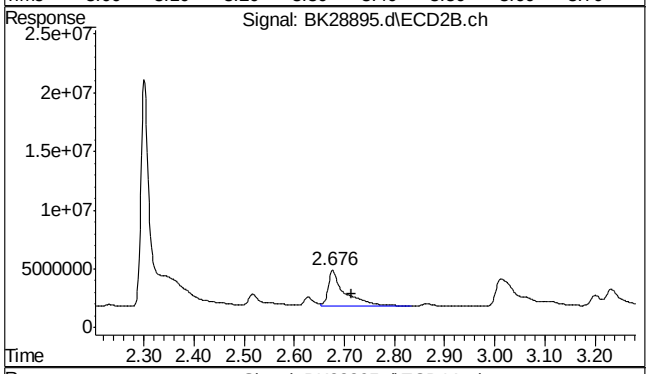
#13 DCB

R.T.: 9.718 min
Delta R.T.: 0.000 min
Response: 339109968
Conc: 40.64 ppb



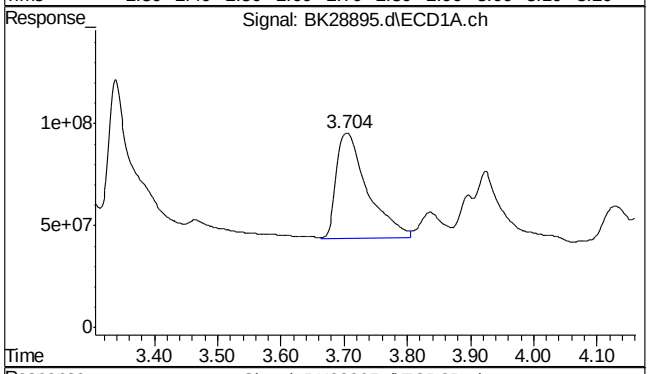
#17 AR1232-A

R.T.: 3.338 min
Delta R.T.: 0.716 min
Response: 2329800076
Conc: 702.06 ppb m



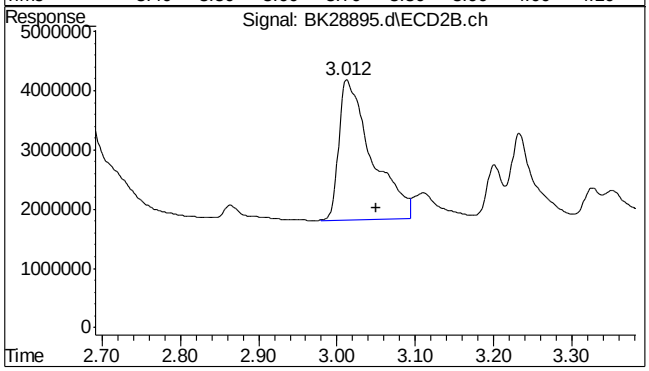
#17 AR1232-A

R.T.: 2.676 min
Delta R.T.: -0.039 min
Response: 69881807
Conc: 687.98 ppb m



#18 AR1232-B

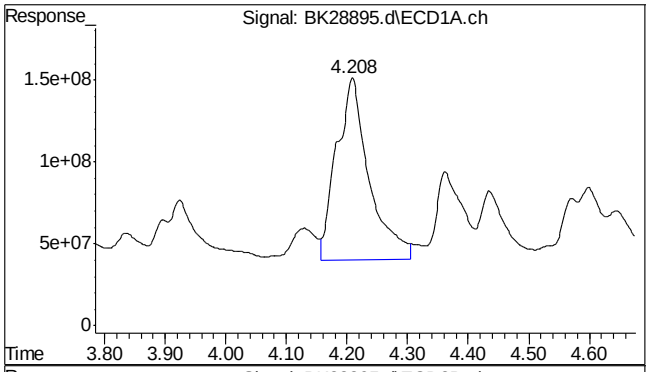
R.T.: 3.704 min
Delta R.T.: 0.794 min
Response: 1752990053
Conc: 478.22 ppb m



#18 AR1232-B

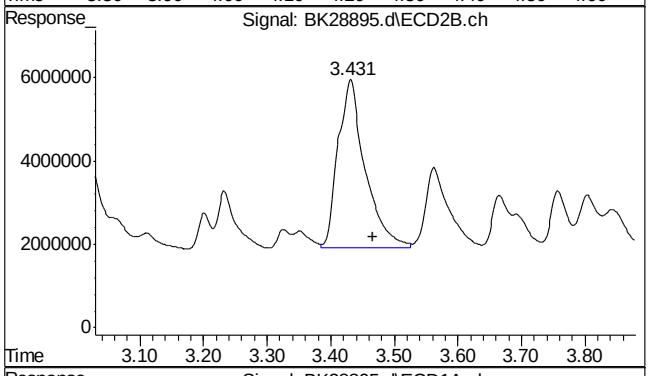
R.T.: 3.012 min
Delta R.T.: -0.038 min
Response: 68997473
Conc: 646.13 ppb m

11.5.8 11



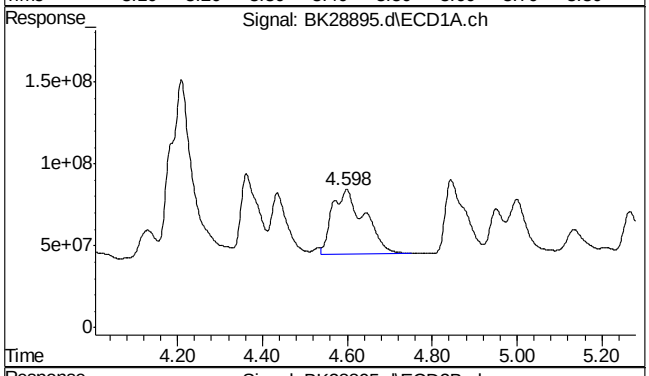
#19 AR1232-C

R.T.: 4.208 min
Delta R.T.: 0.889 min
Response: 4168272852
Conc: 637.32 ppb m



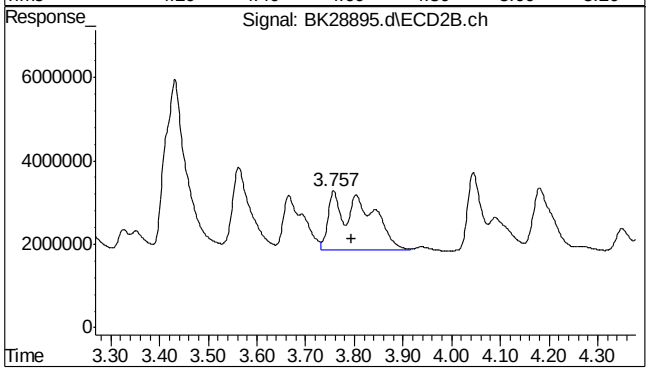
#19 AR1232-C

R.T.: 3.431 min
Delta R.T.: -0.036 min
Response: 120211443
Conc: 715.17 ppb m



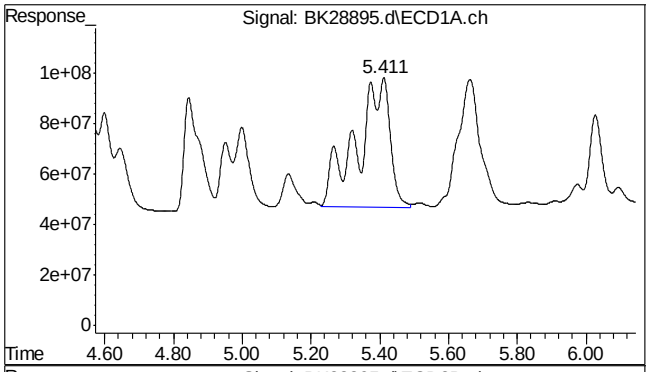
#20 AR1232-D

R.T.: 4.598 min
Delta R.T.: 0.961 min
Response: 2077509109
Conc: 457.98 ppb m



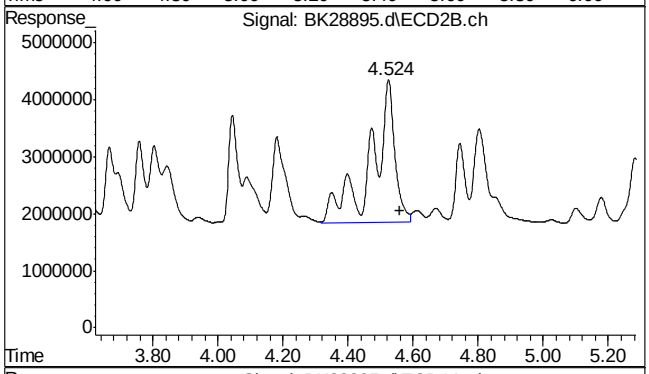
#20 AR1232-D

R.T.: 3.757 min
Delta R.T.: -0.037 min
Response: 76063955
Conc: 654.06 ppb m



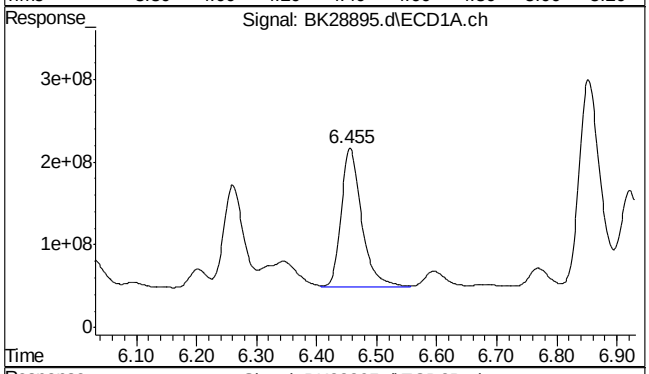
#21 AR1232-E

R.T.: 5.411 min
Delta R.T.: 1.087 min
Response: 3460677768
Conc: 567.92 ppb m



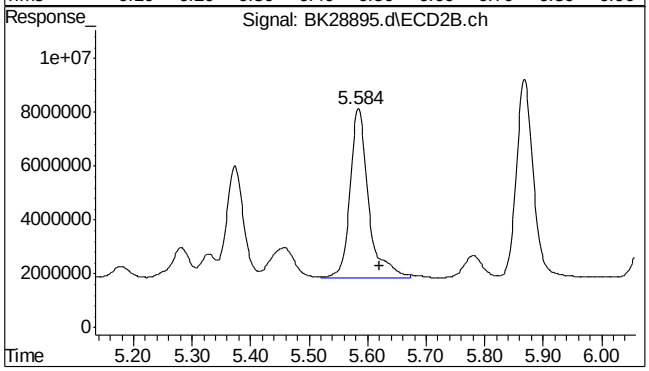
#21 AR1232-E

R.T.: 4.524 min
Delta R.T.: -0.035 min
Response: 123886234
Conc: 698.37 ppb m



#37 AR1262-A

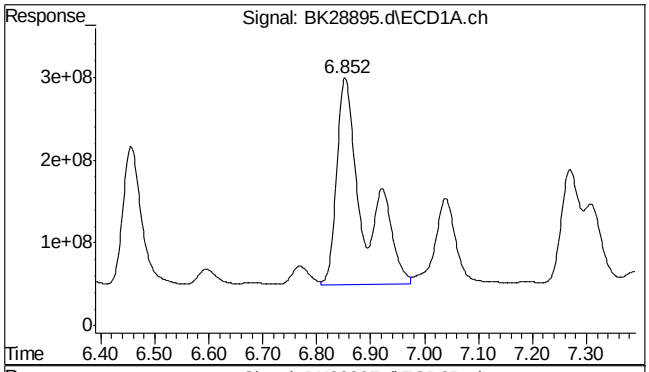
R.T.: 6.455 min
Delta R.T.: 1.211 min
Response: 3998541295
Conc: 472.07 ppb m



#37 AR1262-A

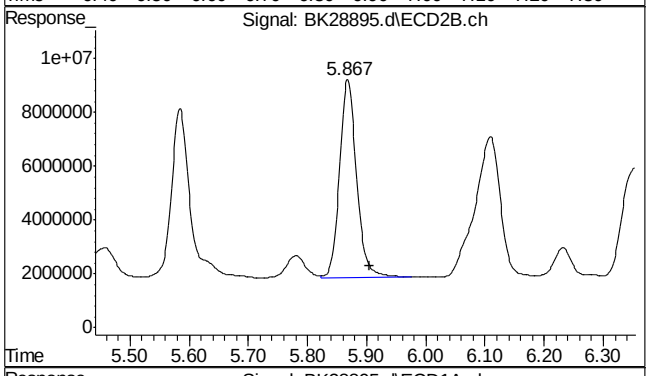
R.T.: 5.584 min
Delta R.T.: -0.038 min
Response: 137445426
Conc: 667.51 ppb m

11.5.8 11



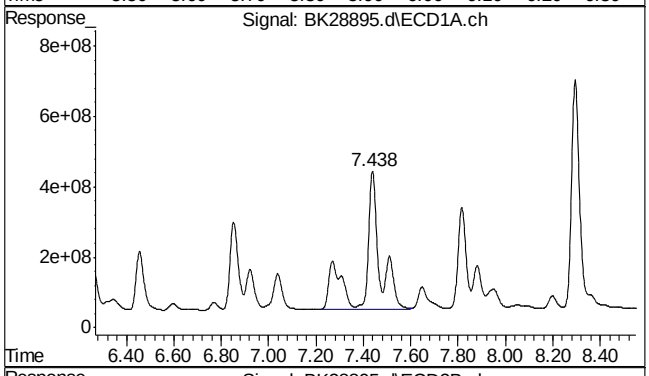
#38 AR1262-B

R.T.: 6.852 min
Delta R.T.: 1.249 min
Response: 8844267808
Conc: 495.02 ppb m



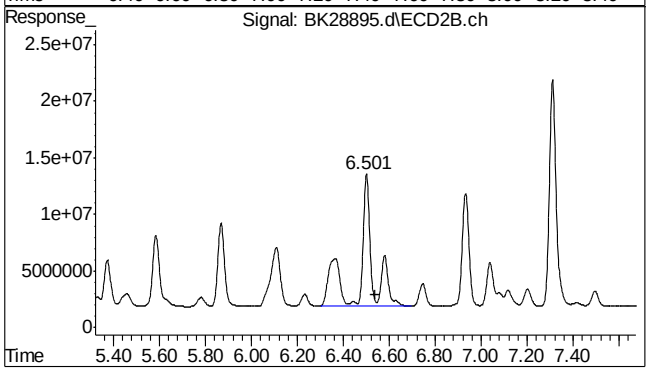
#38 AR1262-B

R.T.: 5.867 min
Delta R.T.: -0.038 min
Response: 146927377
Conc: 694.51 ppb m



#39 AR1262-C

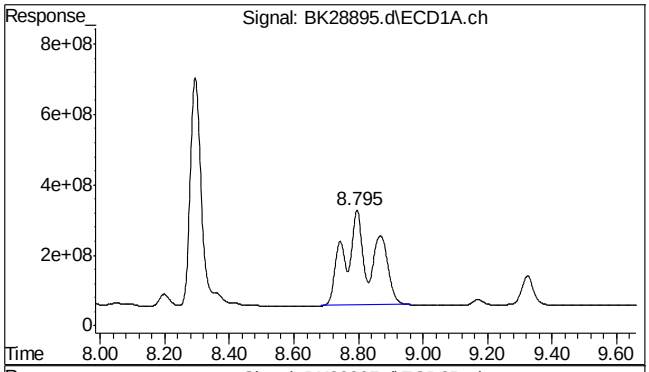
R.T.: 7.438 min
Delta R.T.: 1.300 min
Response: 18249170380
Conc: 484.28 ppb m



#39 AR1262-C

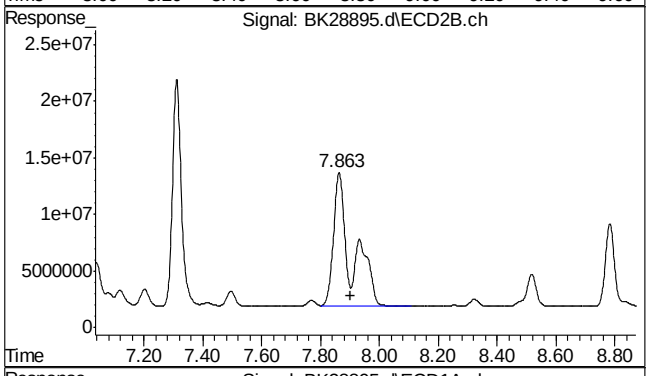
R.T.: 6.501 min
Delta R.T.: -0.039 min
Response: 478999286
Conc: 675.47 ppb m

11.5.8 11



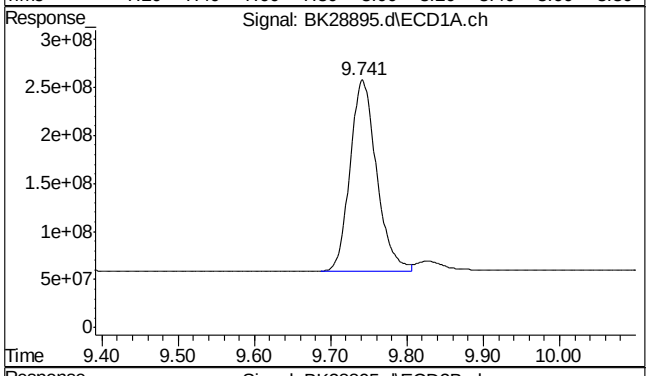
#40 AR1262-D

R.T.: 8.795 min
Delta R.T.: 1.388 min
Response: 16789852308
Conc: 472.37 ppb m



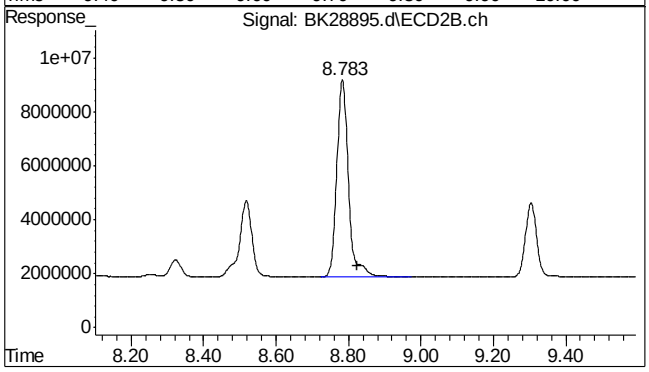
#40 AR1262-D

R.T.: 7.862 min
Delta R.T.: -0.040 min
Response: 501255357
Conc: 694.84 ppb m



#41 AR1262-E

R.T.: 9.741 min
Delta R.T.: 1.435 min
Response: 4814863407
Conc: 497.66 ppb m



#41 AR1262-E

R.T.: 8.783 min
Delta R.T.: -0.042 min
Response: 163994980
Conc: 725.34 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28896.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 6:32 pm
Operator : nickk
Sample : ic979-500,a42/68
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:23:32 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:20:22 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.005	2.304	9195.3E6	341.8E6	44.963m	44.764
	Spiked Amount 40.000			Recovery	=	112.41%	111.91%
13) s	DCB	10.522	9.717	18109.0E6	631.6E6	74.695	75.606
	Spiked Amount 40.000			Recovery	=	186.74%	189.01%
	Target Compounds						
22)	AR1242-A	3.340f	2.678f	1495.2E6	47359281	685.769m	676.445m
23)	AR1242-B	3.703f	3.013f	2938.8E6	107.4E6	496.210m	673.346m#
24)	AR1242-C	4.209f	3.431f	5919.1E6	208.2E6	546.862m	777.100m#
25)	AR1242-D	4.599f	3.757f	4056.9E6	143.0E6	484.996m	672.933m#
26)	AR1242-E	5.373f	4.524f	5798.7E6	207.5E6	637.414m	751.142m
42)	AR1268-A	7.437f	6.499f	3584.2E6	91316629	473.801m	697.164m#
43)	AR1268-B	7.806f	6.933f	4971.3E6	132.5E6	485.404m	663.423m#
44)	AR1268-C	8.795f	7.857f	35950.7E6	1090.1E6	494.903m	724.034m#
45)	AR1268-D	9.170f	8.321f	15281.0E6	479.6E6	478.862m	694.762m#
46)	AR1268-E	10.209f	9.302f	39991.8E6	1468.9E6	500.665m	740.608m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

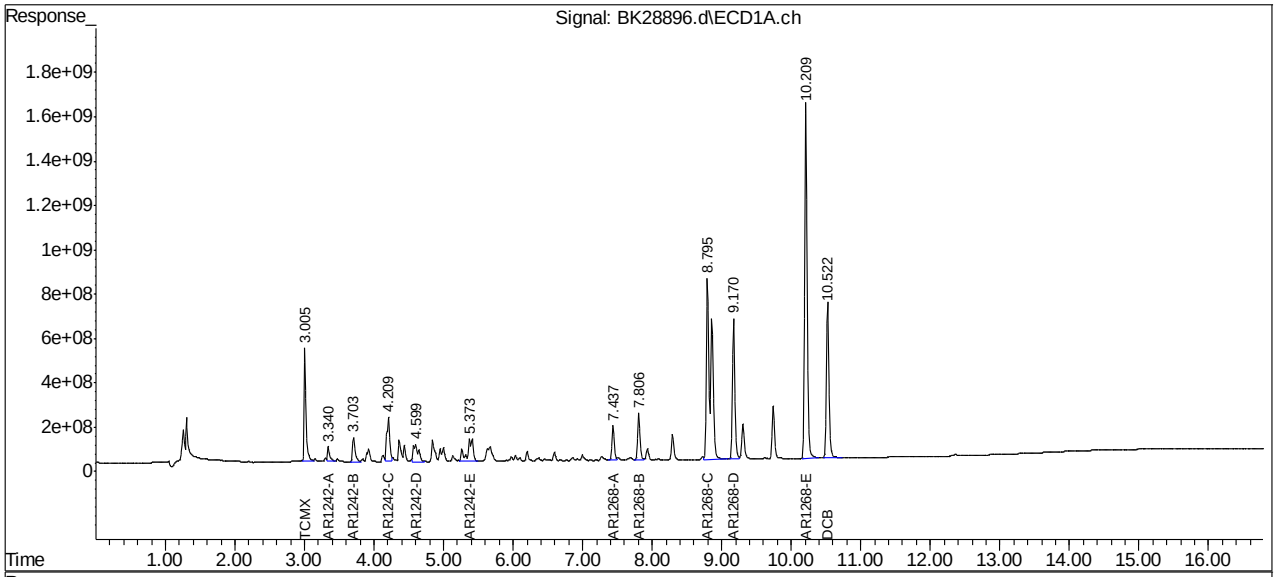
11.5.9 11

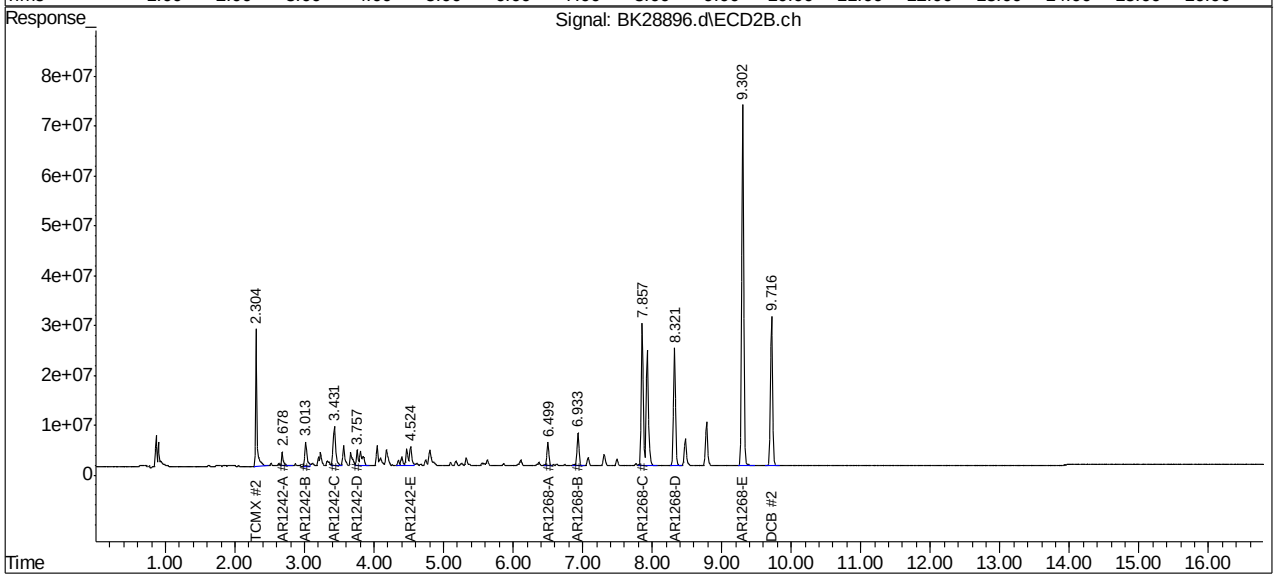
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28896.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 6:32 pm
Operator : nickk
Sample : ic979-500,a42/68
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 59 Sample Multiplier: 1

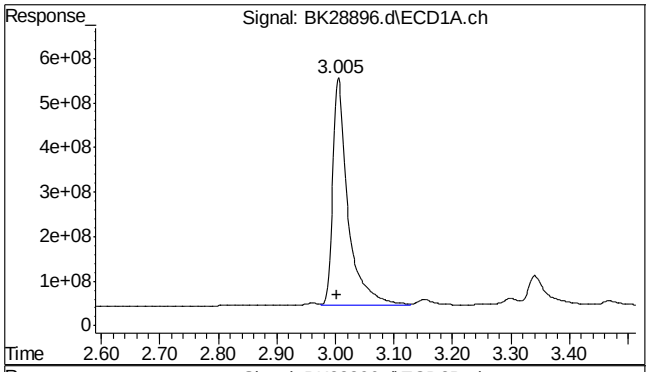
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:23:32 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:20:22 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



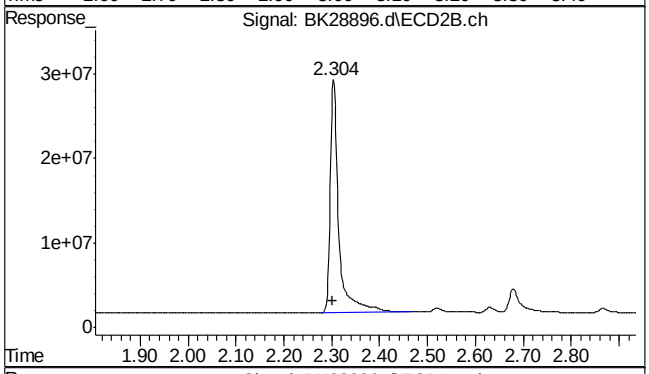


ACCUTEST LABORATORIES MC24064



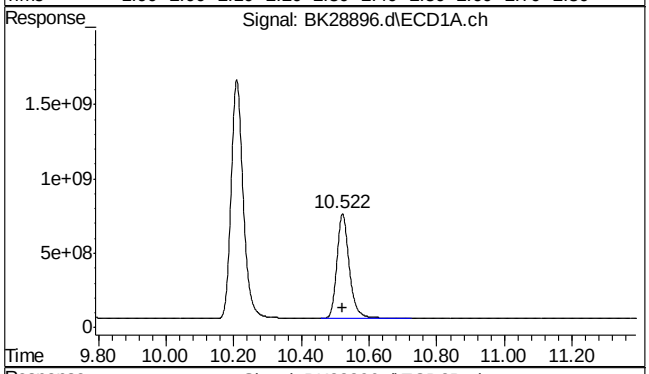
#1 TCMX

R.T.: 3.005 min
Delta R.T.: 0.002 min
Response: 9195266225
Conc: 44.96 ppb m



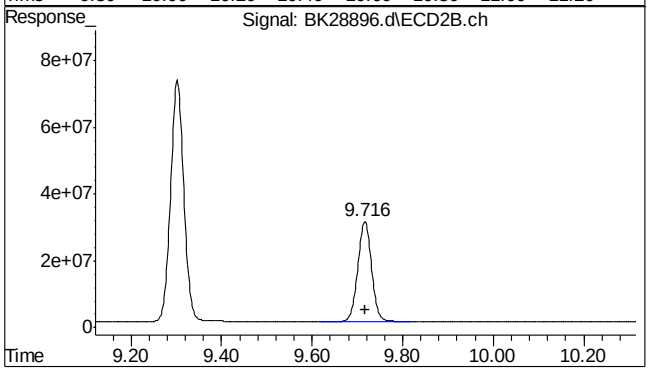
#1 TCMX

R.T.: 2.304 min
Delta R.T.: 0.003 min
Response: 341833902
Conc: 44.76 ppb



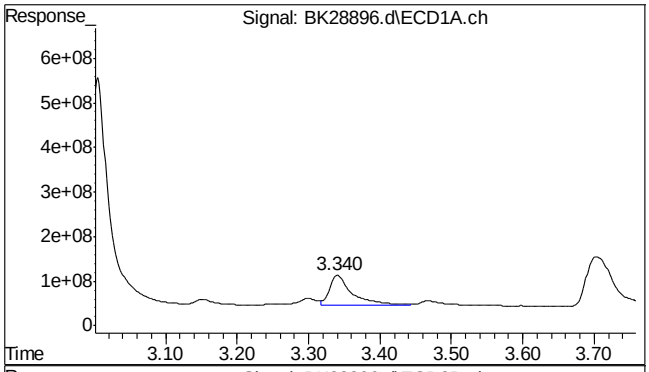
#13 DCB

R.T.: 10.522 min
Delta R.T.: 0.000 min
Response: 18108972326
Conc: 74.70 ppb



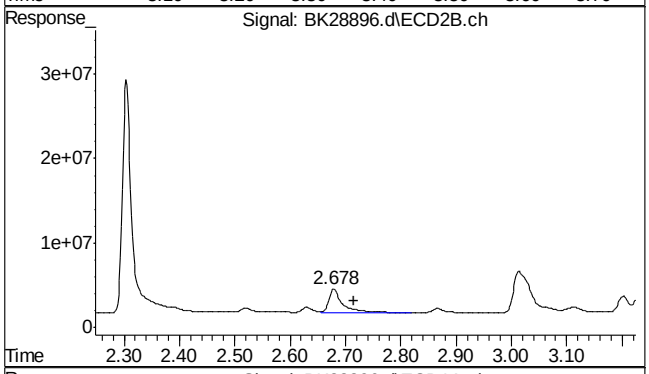
#13 DCB

R.T.: 9.717 min
Delta R.T.: -0.001 min
Response: 631639417
Conc: 75.61 ppb



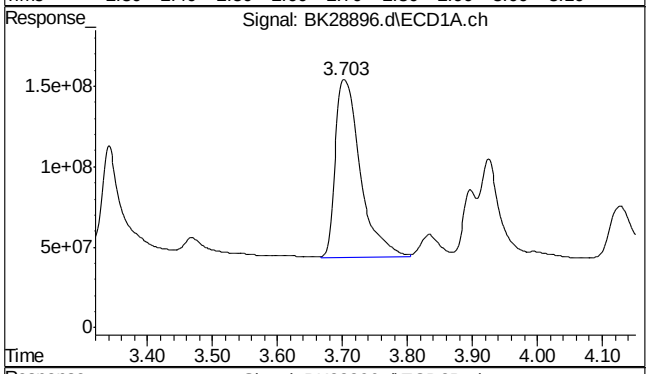
#22 AR1242-A

R.T.: 3.340 min
Delta R.T.: 0.716 min
Response: 1495152458
Conc: 685.77 ppb m



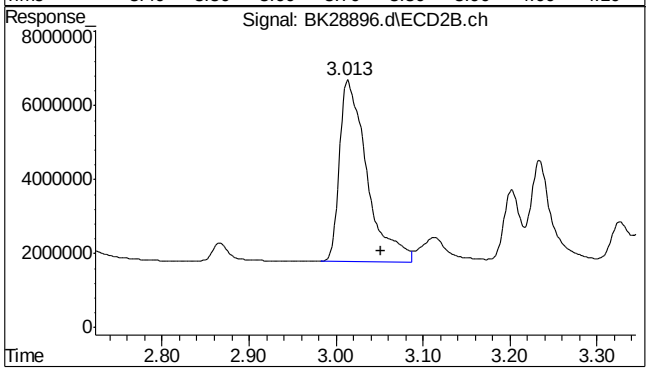
#22 AR1242-A

R.T.: 2.678 min
Delta R.T.: -0.038 min
Response: 47359281
Conc: 676.44 ppb m



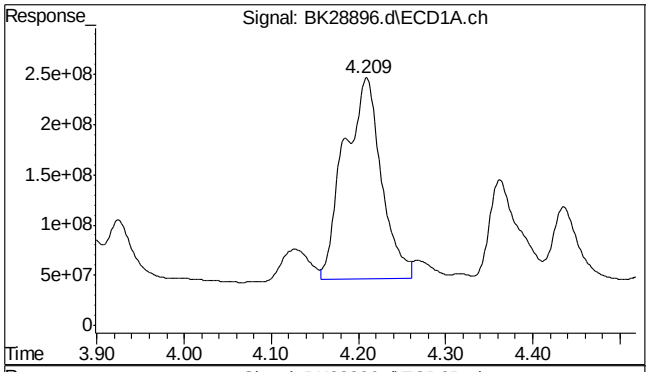
#23 AR1242-B

R.T.: 3.703 min
Delta R.T.: 0.793 min
Response: 2938762381
Conc: 496.21 ppb m



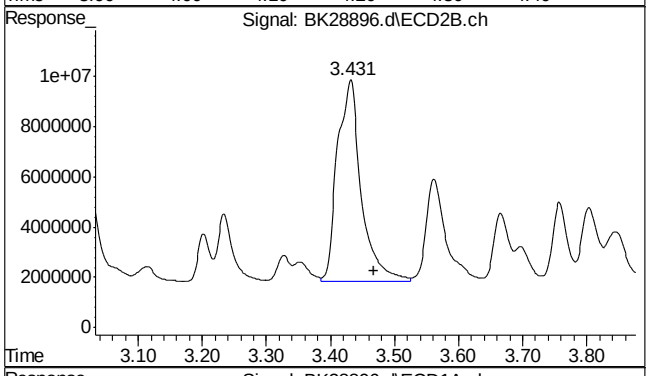
#23 AR1242-B

R.T.: 3.013 min
Delta R.T.: -0.038 min
Response: 107432824
Conc: 673.35 ppb m



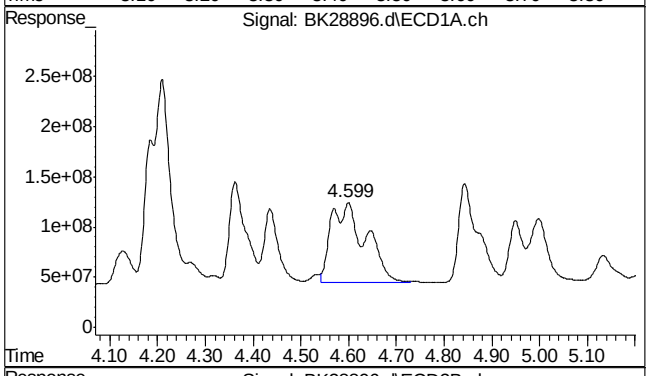
#24 AR1242-C

R.T.: 4.209 min
Delta R.T.: 0.889 min
Response: 5919132912
Conc: 546.86 ppb m



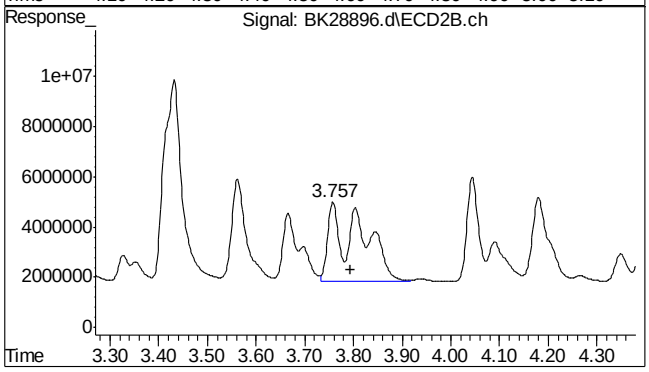
#24 AR1242-C

R.T.: 3.431 min
Delta R.T.: -0.037 min
Response: 208230189
Conc: 777.10 ppb m



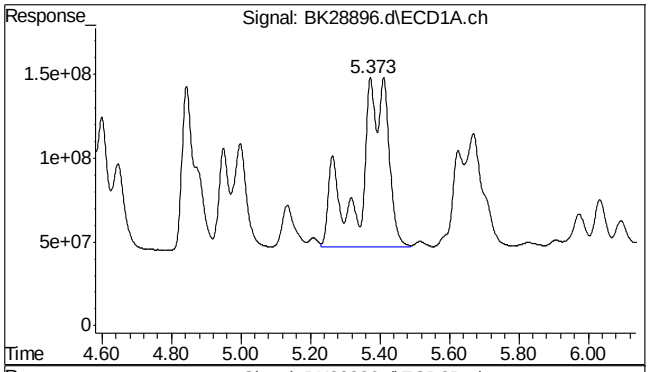
#25 AR1242-D

R.T.: 4.599 min
Delta R.T.: 0.962 min
Response: 4056910869
Conc: 485.00 ppb m



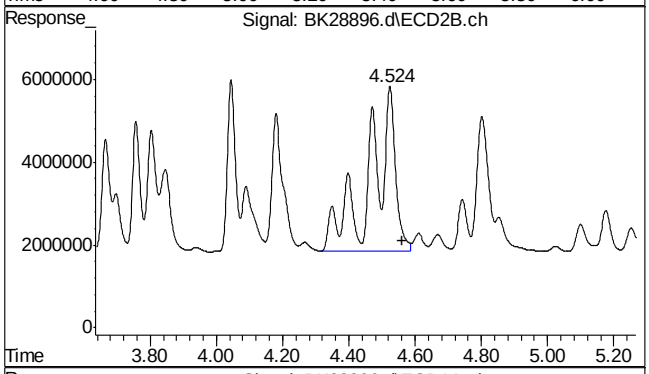
#25 AR1242-D

R.T.: 3.757 min
Delta R.T.: -0.037 min
Response: 142976397
Conc: 672.93 ppb m



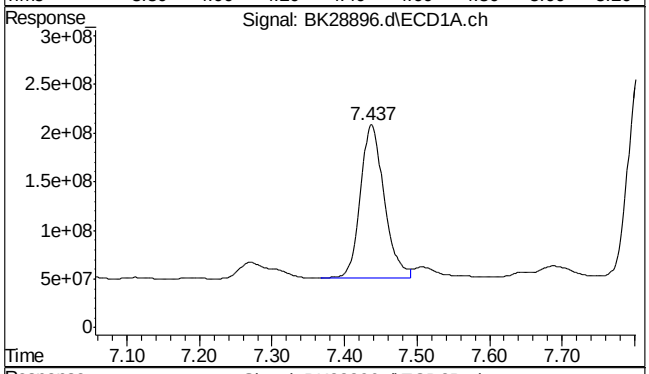
#26 AR1242-E

R.T.: 5.373 min
Delta R.T.: 1.049 min
Response: 5798677063
Conc: 637.41 ppb m



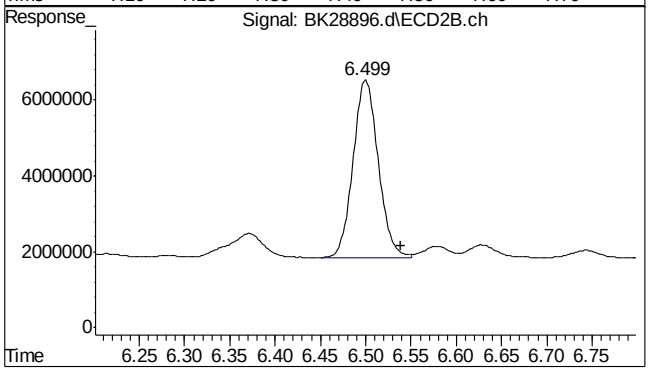
#26 AR1242-E

R.T.: 4.524 min
Delta R.T.: -0.038 min
Response: 207523070
Conc: 751.14 ppb m



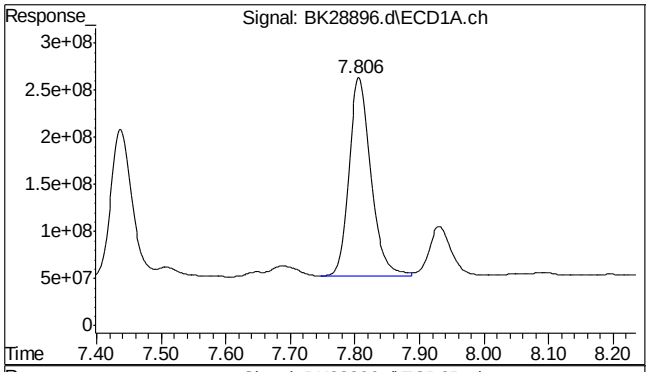
#42 AR1268-A

R.T.: 7.437 min
Delta R.T.: 1.298 min
Response: 3584247216
Conc: 473.80 ppb m



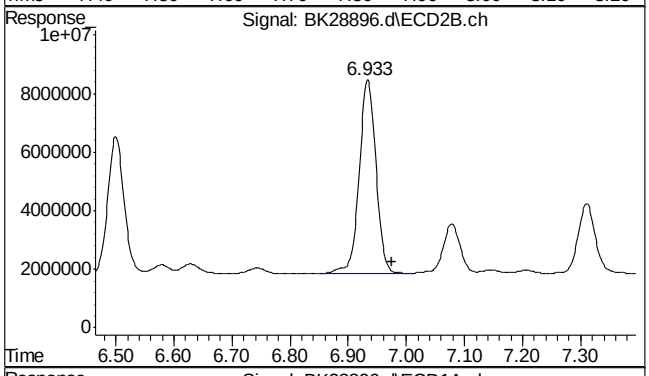
#42 AR1268-A

R.T.: 6.499 min
Delta R.T.: -0.040 min
Response: 91316629
Conc: 697.16 ppb m



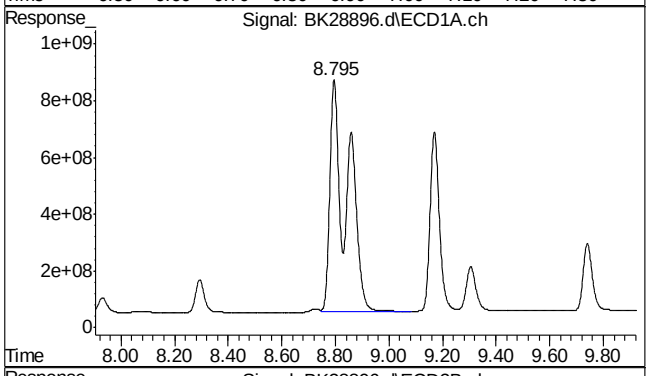
#43 AR1268-B

R.T.: 7.806 min
Delta R.T.: 1.325 min
Response: 4971312466
Conc: 485.40 ppb m



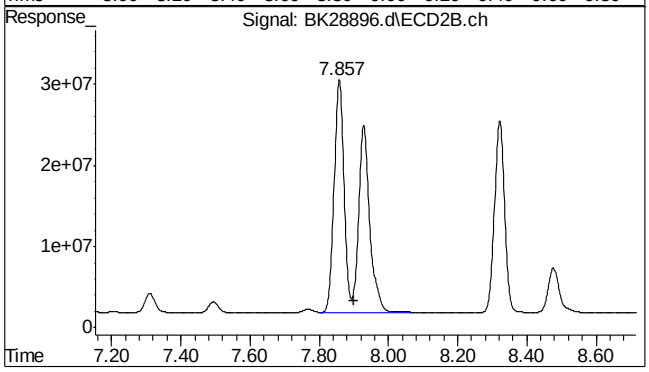
#43 AR1268-B

R.T.: 6.933 min
Delta R.T.: -0.042 min
Response: 132500012
Conc: 663.42 ppb m



#44 AR1268-C

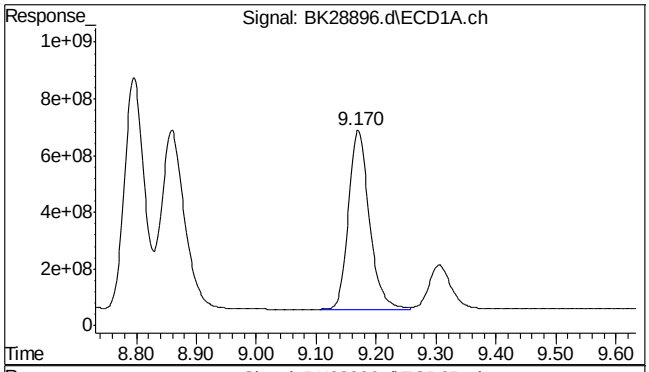
R.T.: 8.795 min
Delta R.T.: 1.387 min
Response: 35950677178
Conc: 494.90 ppb m



#44 AR1268-C

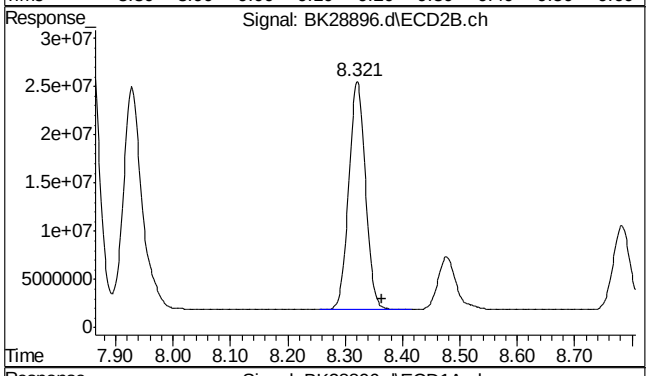
R.T.: 7.857 min
Delta R.T.: -0.042 min
Response: 1090110824
Conc: 724.03 ppb m

11.5.9 11



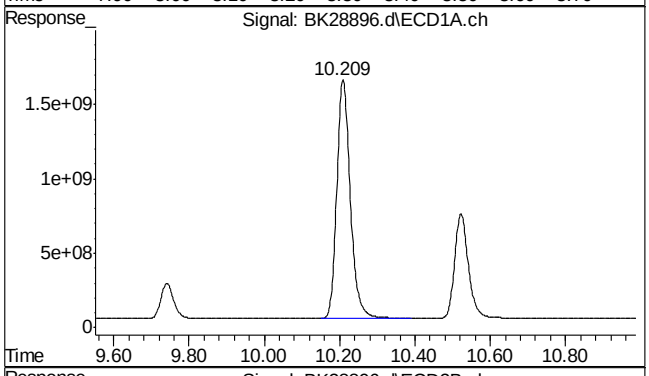
#45 AR1268-D

R.T.: 9.170 min
Delta R.T.: 1.406 min
Response: 15280980744
Conc: 478.86 ppb m



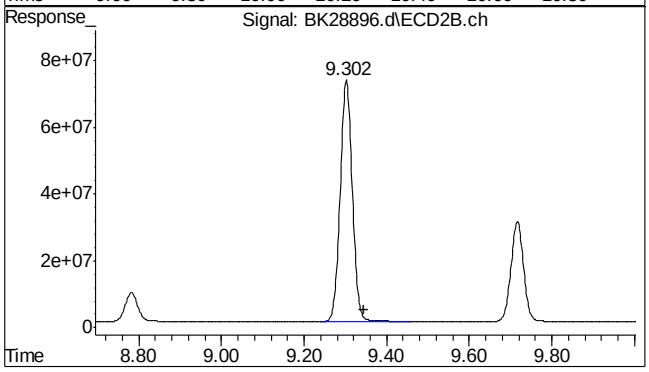
#45 AR1268-D

R.T.: 8.321 min
Delta R.T.: -0.043 min
Response: 479600849
Conc: 694.76 ppb m



#46 AR1268-E

R.T.: 10.209 min
Delta R.T.: 1.450 min
Response: 39991752399
Conc: 500.66 ppb m



#46 AR1268-E

R.T.: 9.302 min
Delta R.T.: -0.044 min
Response: 1468850976
Conc: 740.61 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28897.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 6:51 pm
Operator : nickk
Sample : ic979-500,a1248
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:25:43 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:23:50 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.004	2.303	8345.3E6	313.0E6	40.674m	40.583m
	Spiked Amount 40.000			Recovery	=	101.69%	101.46%
13) s	DCB	10.522	9.716	9574.4E6	334.0E6	35.319	35.647
	Spiked Amount 40.000			Recovery	=	88.30%	89.12%
	Target Compounds						
27)	AR1248-A	3.701f	3.013f	1296.2E6	50460996	443.218m	607.826m#
28)	AR1248-B	4.209f	3.431f	3724.8E6	131.6E6	481.534m	755.118m#
29)	AR1248-C	4.570f	3.757f	5752.8E6	202.1E6	473.695m	645.674m#
30)	AR1248-D	4.843f	4.525f	7351.5E6	330.8E6	495.451m	719.767m#
31)	AR1248-E	5.373f	4.803f	9504.1E6	196.4E6	585.231m	707.131m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

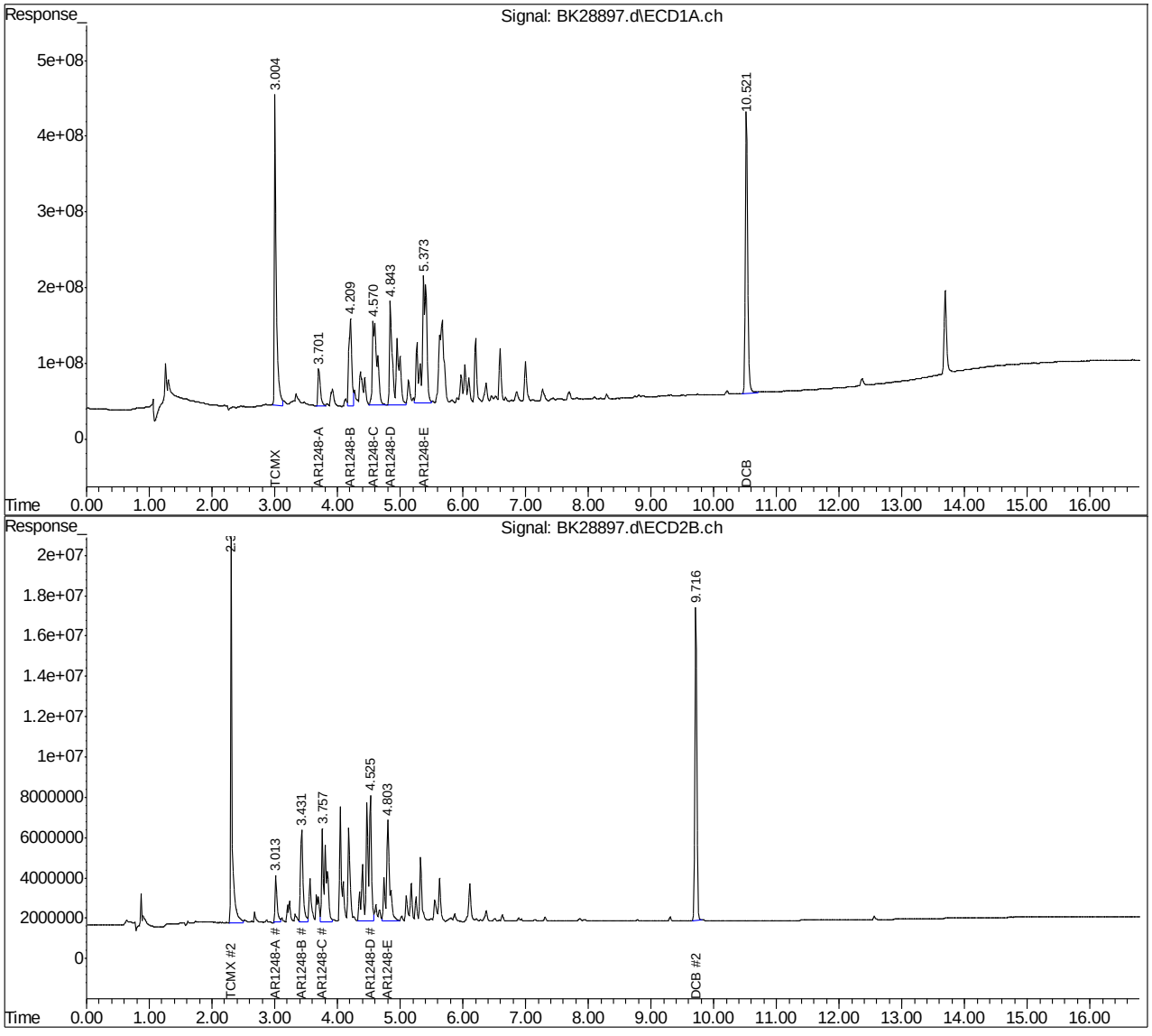
11.5.10 11

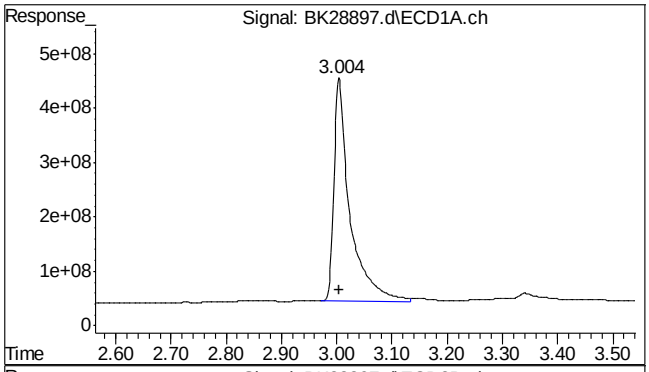
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28897.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 6:51 pm
Operator : nickk
Sample : ic979-500,a1248
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:25:43 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:23:50 2013
Response via : Initial Calibration
Integrator: ChemStation

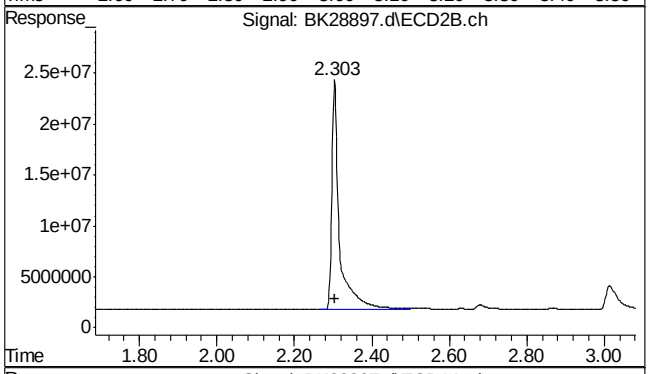
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





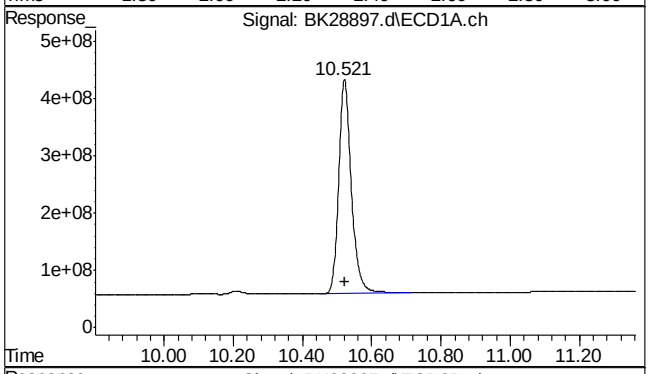
#1 TCMX

R.T.: 3.004 min
Delta R.T.: -0.001 min
Response: 8345265543
Conc: 40.67 ppb m



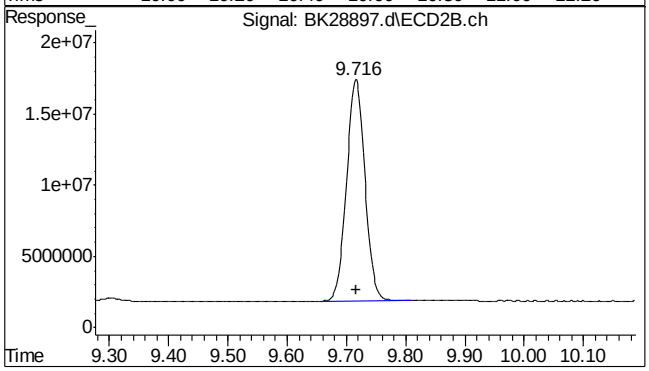
#1 TCMX

R.T.: 2.303 min
Delta R.T.: 0.000 min
Response: 312960322
Conc: 40.58 ppb m



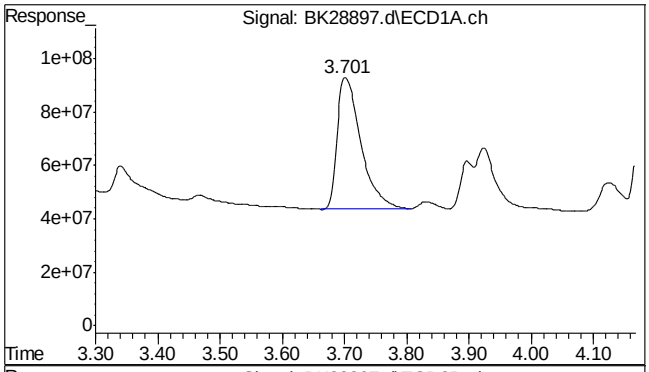
#13 DCB

R.T.: 10.522 min
Delta R.T.: 0.000 min
Response: 9574369742
Conc: 35.32 ppb



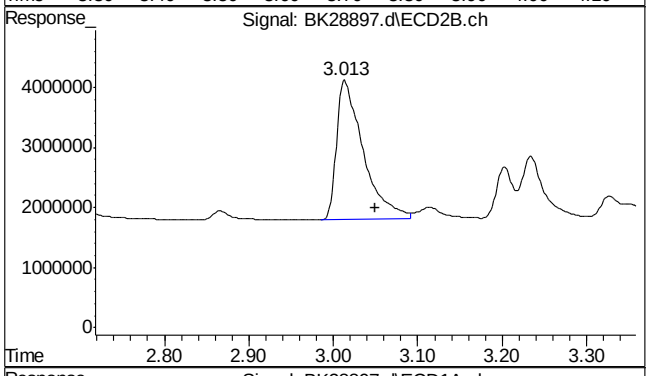
#13 DCB

R.T.: 9.716 min
Delta R.T.: 0.000 min
Response: 334018348
Conc: 35.65 ppb



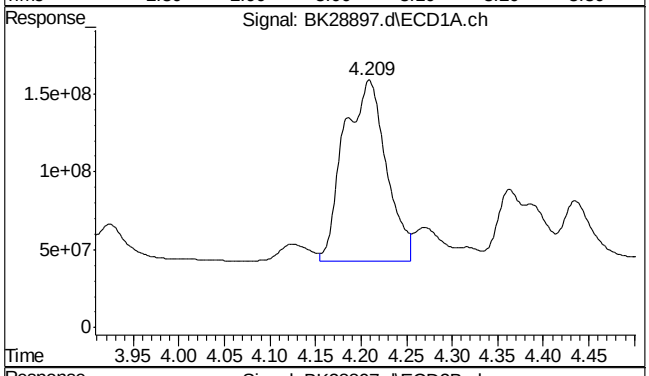
#27 AR1248-A

R.T.: 3.701 min
Delta R.T.: 0.793 min
Response: 1296203577
Conc: 443.22 ppb m



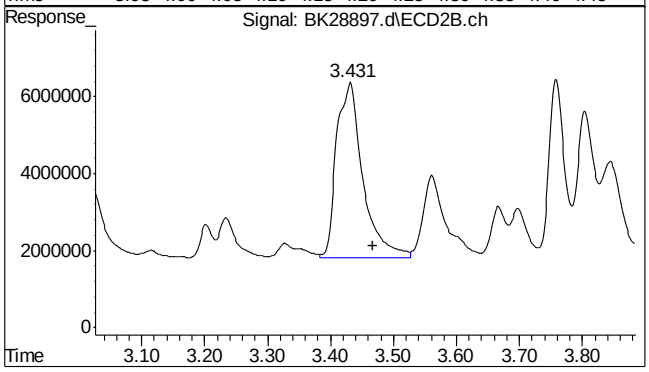
#27 AR1248-A

R.T.: 3.013 min
Delta R.T.: -0.037 min
Response: 50460996
Conc: 607.83 ppb m



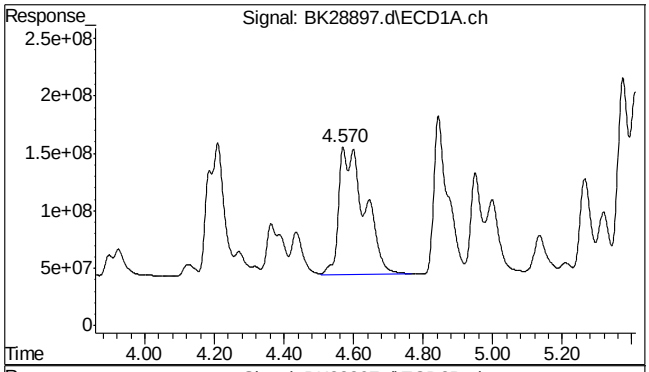
#28 AR1248-B

R.T.: 4.209 min
Delta R.T.: 0.891 min
Response: 3724785742
Conc: 481.53 ppb m



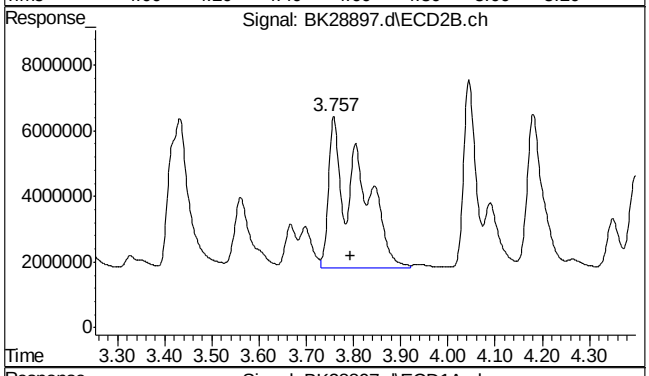
#28 AR1248-B

R.T.: 3.431 min
Delta R.T.: -0.036 min
Response: 131584983
Conc: 755.12 ppb m



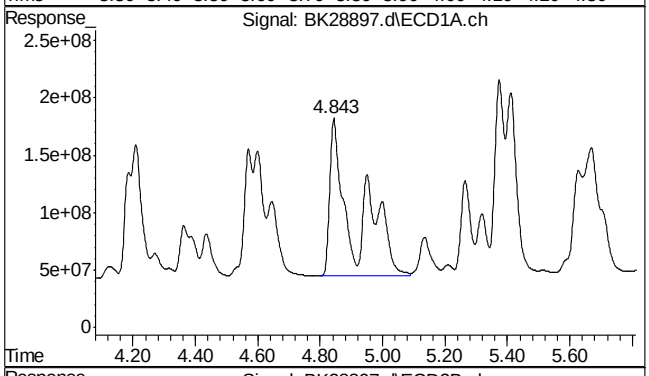
#29 AR1248-C

R.T.: 4.570 min
Delta R.T.: 0.935 min
Response: 5752804557
Conc: 473.69 ppb m



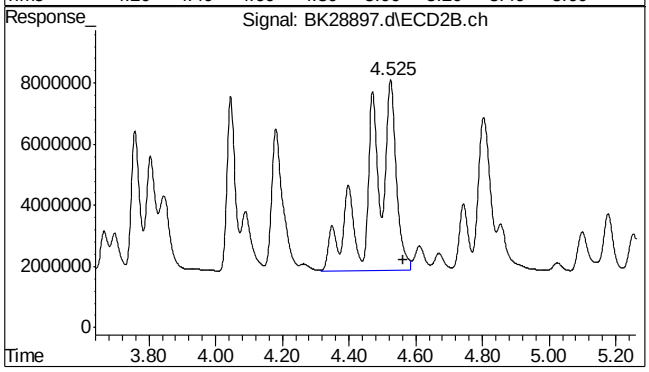
#29 AR1248-C

R.T.: 3.757 min
Delta R.T.: -0.036 min
Response: 202110269
Conc: 645.67 ppb m



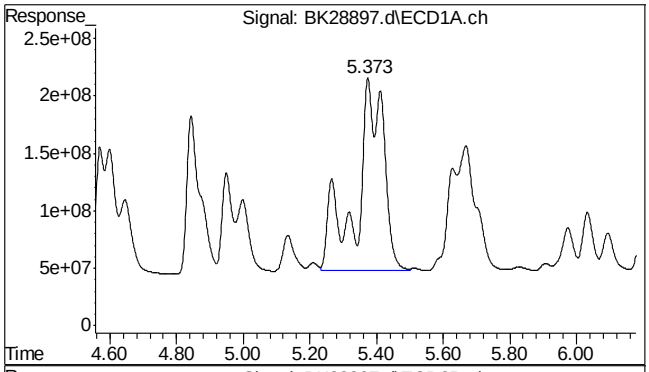
#30 AR1248-D

R.T.: 4.843 min
Delta R.T.: 1.002 min
Response: 7351478191
Conc: 495.45 ppb m



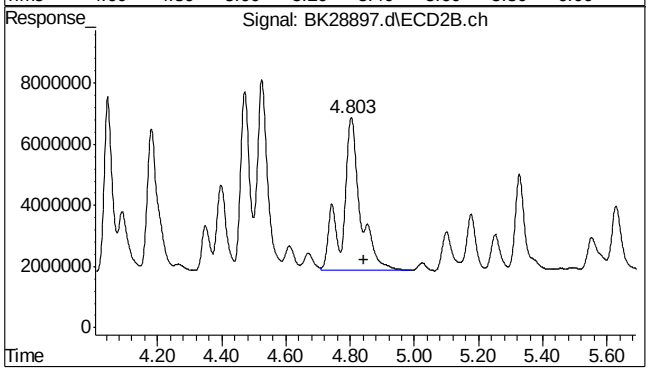
#30 AR1248-D

R.T.: 4.525 min
Delta R.T.: -0.036 min
Response: 330788559
Conc: 719.77 ppb m



#31 AR1248-E

R.T.: 5.373 min
Delta R.T.: 1.053 min
Response: 9504144713
Conc: 585.23 ppb m



#31 AR1248-E

R.T.: 4.803 min
Delta R.T.: -0.040 min
Response: 196367644
Conc: 707.13 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/06/13 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28898.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 7:10 pm
Operator : nickk
Sample : icv979-500,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:34:03 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.005	2.303	10966.7E6	412.0E6	52.497m	52.325m
	Spiked Amount 40.000			Recovery	= 131.24%	130.81%	
13) s	DCB	10.522	9.716	12131.9E6	432.3E6	48.889m	50.437m
	Spiked Amount 40.000			Recovery	= 122.22%	126.09%	
	Target Compounds						
2)	AR1016-A	3.341	2.678	1998.6E6	64189640	469.199m	485.969m
3)	AR1016-B	3.704	3.014	4060.0E6	145.6E6	498.964m	485.801
4)	AR1016-C	4.210	3.430	8627.5E6	282.7E6	497.061	489.278m
5)	AR1016-D	4.362	3.561	5637.5E6	113.1E6	498.241m	505.456m
6)	AR1016-E	4.844	4.044	3644.2E6	139.2E6	495.534m	500.573m
7)	AR1260-A	6.456	5.583	6333.9E6	202.4E6	510.009	513.002m
8)	AR1260-B	6.852	5.867	12804.5E6	232.4E6	504.540m	500.476m
9)	AR1260-C	7.437	6.500	22329.2E6	604.4E6	502.629m	509.594m
10)	AR1260-D	8.294	7.310	15499.0E6	440.0E6	493.331	490.763m
11)	AR1260-E	8.743	7.867	14802.9E6	439.1E6	498.854m	507.295m
12)	AR1260-F	9.740	8.782	3799.1E6	128.4E6	520.870m	519.870m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

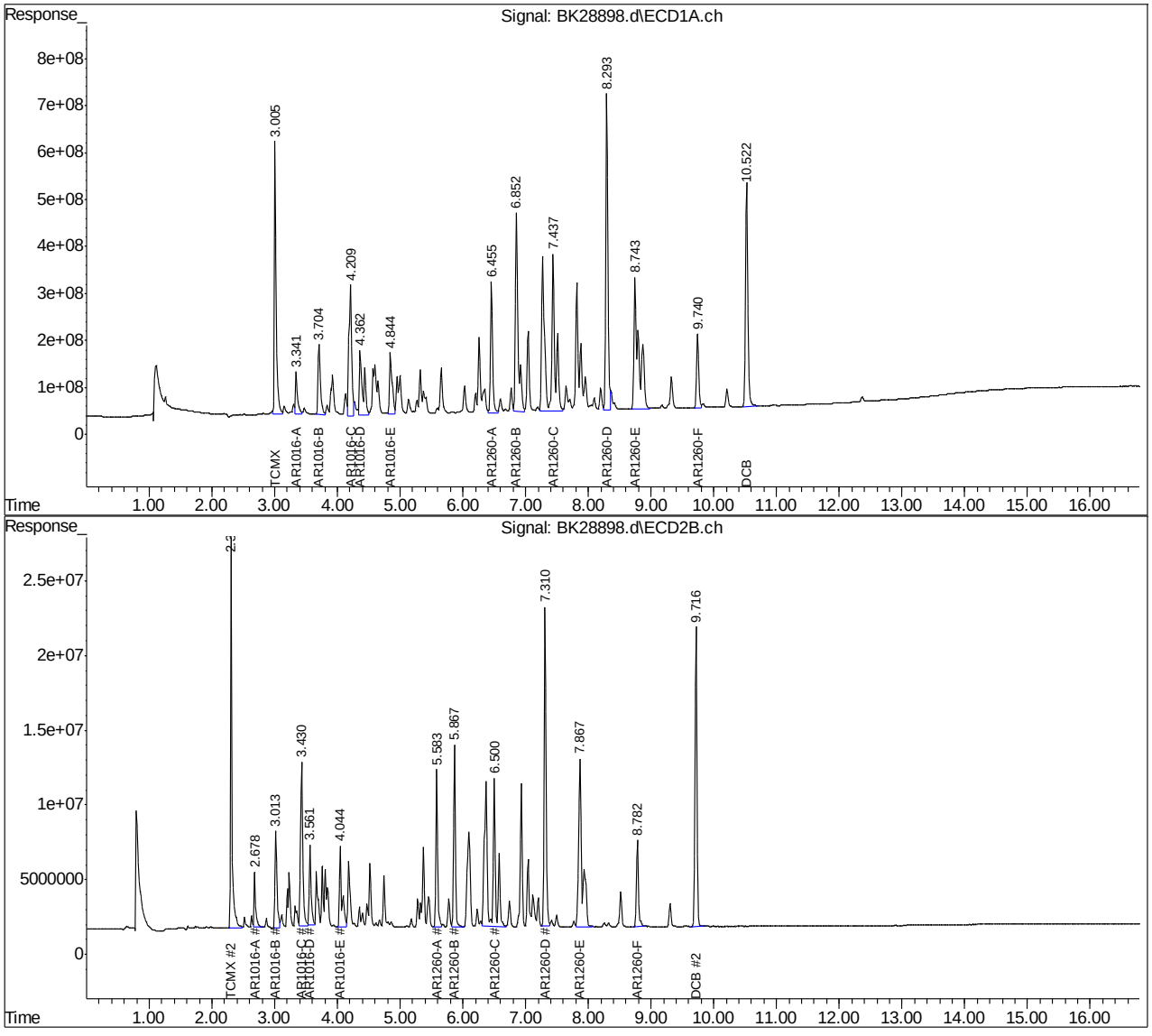
11.5.11
11

Quantitation Report (QT Reviewed)

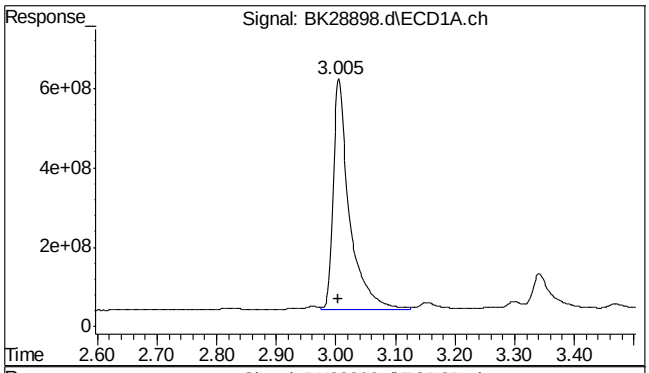
Data Path : C:\msdchem\1\DATA\BK130905\
Data File : BK28898.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Sep 2013 7:10 pm
Operator : nickk
Sample : icv979-500,a16/60
Misc : op34682,gbk979,15,,,10,,s
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 06 08:34:03 2013
Quant Method : C:\msdchem\1\METHODS\PC130905.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

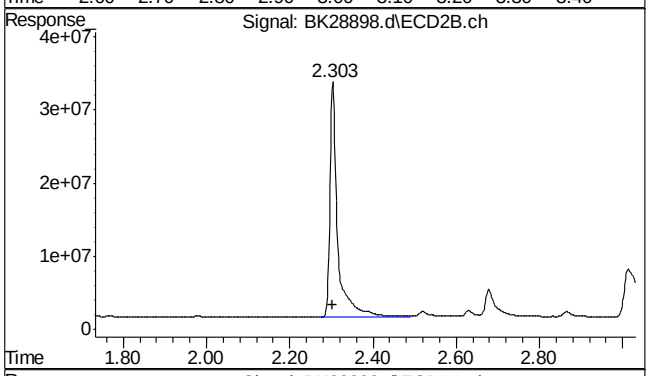


ACCUTEST LABORATORIES MC24064



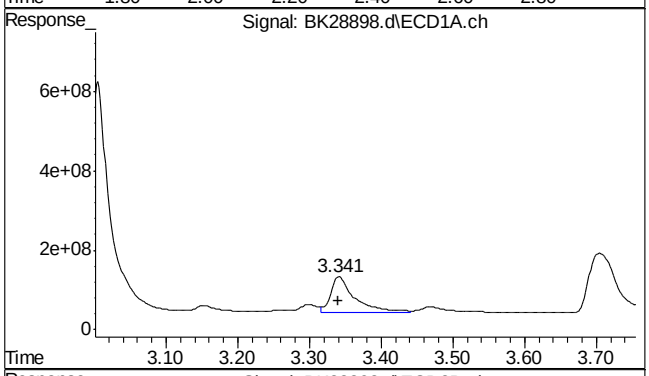
#1 TCMX

R.T.: 3.005 min
Delta R.T.: 0.000 min
Response: 10966737772
Conc: 52.50 ppb m



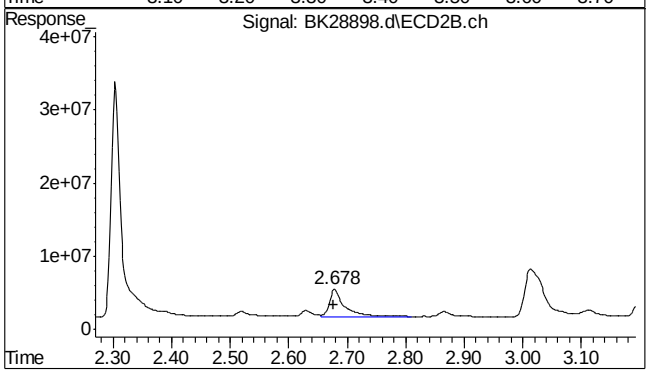
#1 TCMX

R.T.: 2.303 min
Delta R.T.: 0.000 min
Response: 412027441
Conc: 52.33 ppb m



#2 AR1016-A

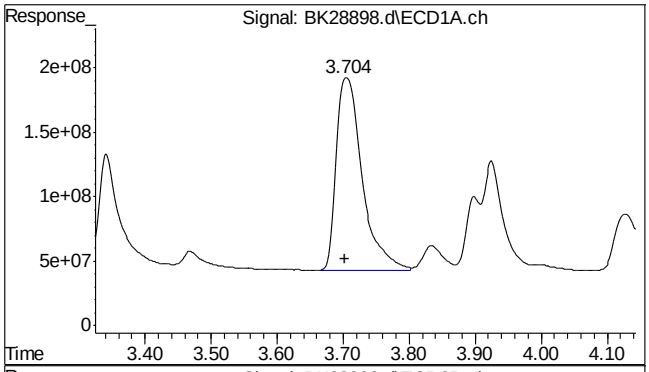
R.T.: 3.341 min
Delta R.T.: 0.000 min
Response: 1998613843
Conc: 469.20 ppb m



#2 AR1016-A

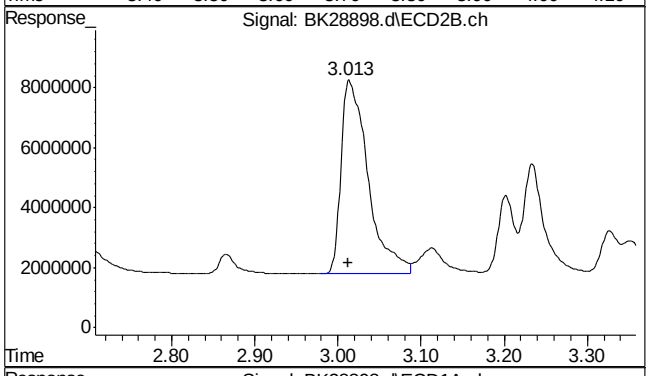
R.T.: 2.678 min
Delta R.T.: 0.000 min
Response: 64189640
Conc: 485.97 ppb m

11.5.11
11



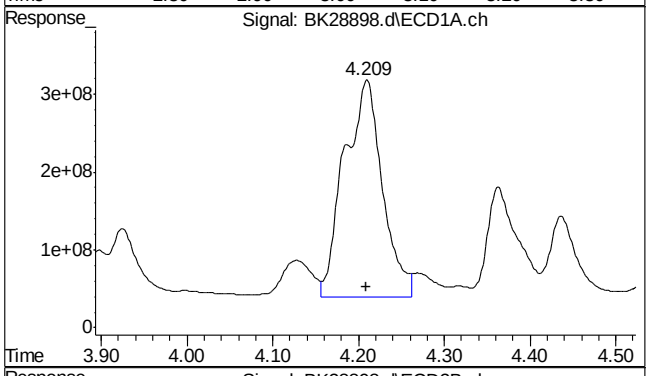
#3 AR1016-B

R.T.: 3.704 min
Delta R.T.: 0.001 min
Response: 4060036881
Conc: 498.96 ppb m



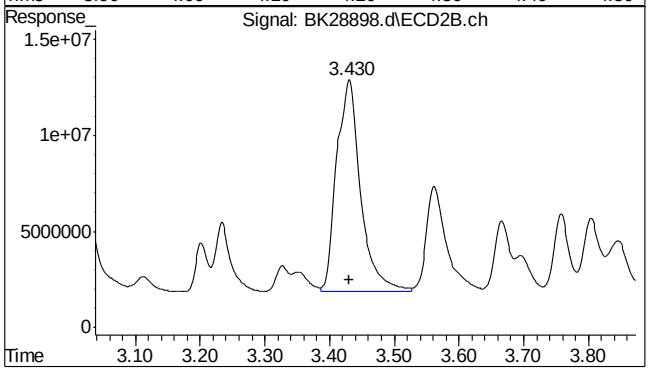
#3 AR1016-B

R.T.: 3.014 min
Delta R.T.: 0.002 min
Response: 145570200
Conc: 485.80 ppb



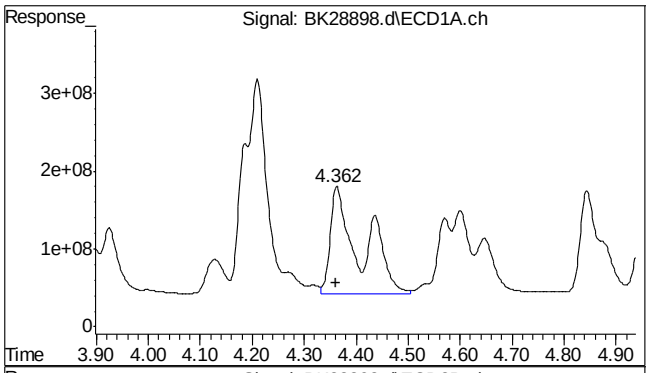
#4 AR1016-C

R.T.: 4.210 min
Delta R.T.: 0.001 min
Response: 8627513892
Conc: 497.06 ppb



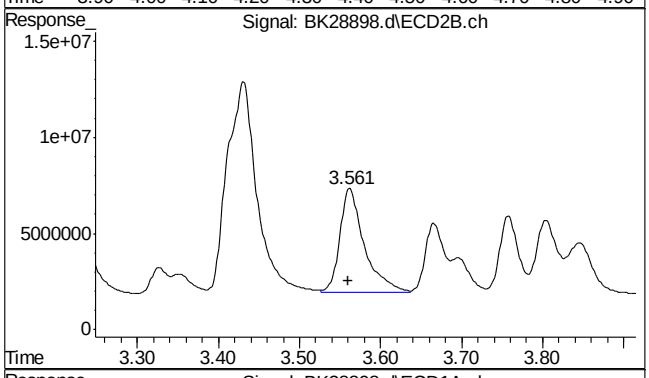
#4 AR1016-C

R.T.: 3.430 min
Delta R.T.: 0.000 min
Response: 282735673
Conc: 489.28 ppb m



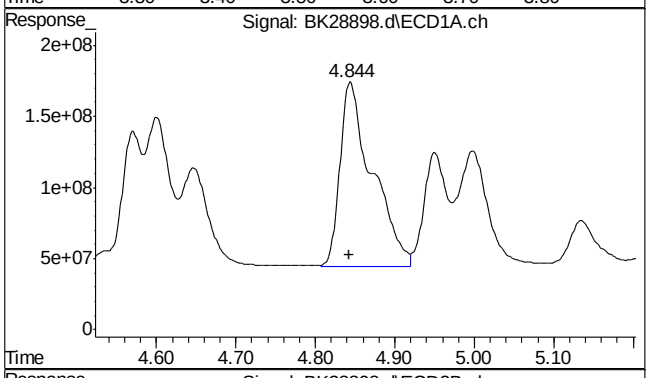
#5 AR1016-D

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 5637451067
Conc: 498.24 m



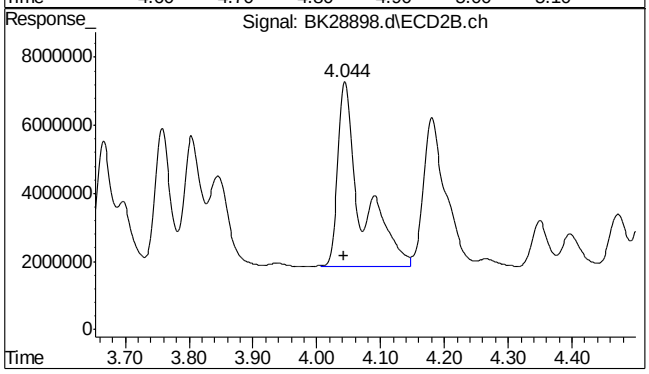
#5 AR1016-D

R.T.: 3.561 min
Delta R.T.: 0.000 min
Response: 113063943
Conc: 505.46 m



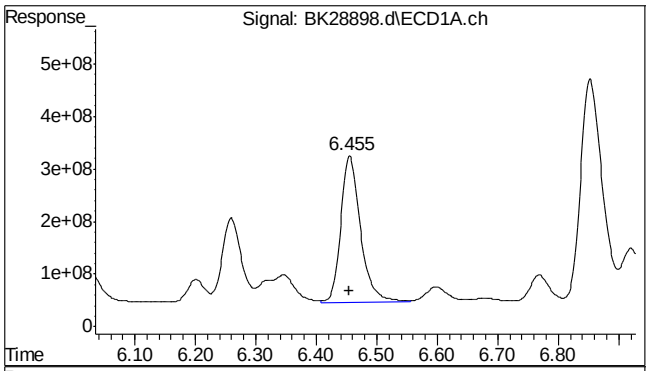
#6 AR1016-E

R.T.: 4.844 min
Delta R.T.: 0.000 min
Response: 3644207955
Conc: 495.53 m



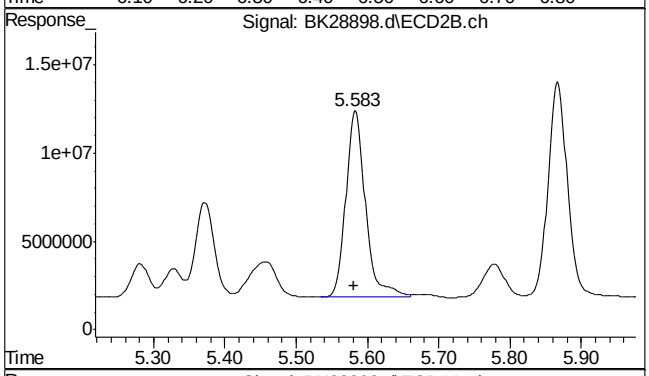
#6 AR1016-E

R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 139198567
Conc: 500.57 m



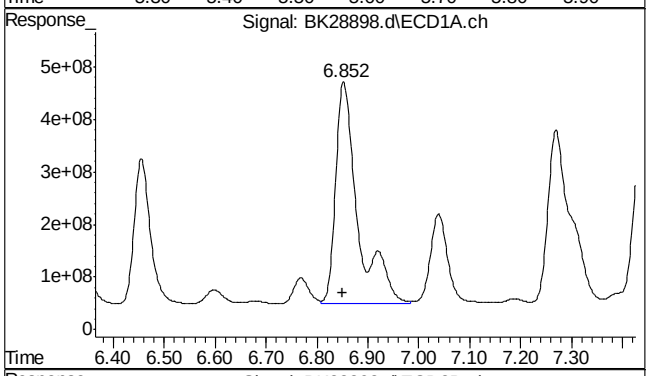
#7 AR1260-A

R.T.: 6.456 min
Delta R.T.: 0.001 min
Response: 6333918211
Conc: 510.01 ppb



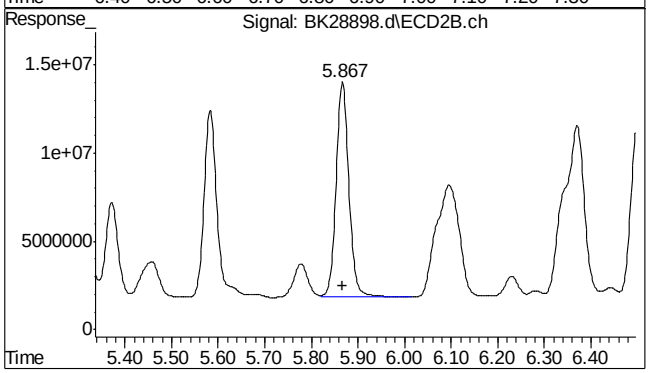
#7 AR1260-A

R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 202415265
Conc: 513.00 ppb m



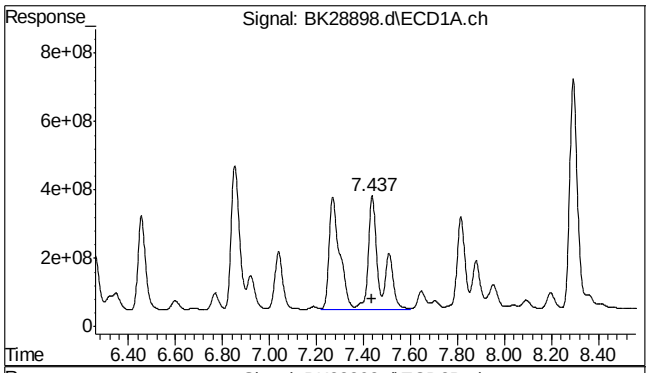
#8 AR1260-B

R.T.: 6.852 min
Delta R.T.: 0.001 min
Response: 12804463354
Conc: 504.54 ppb m



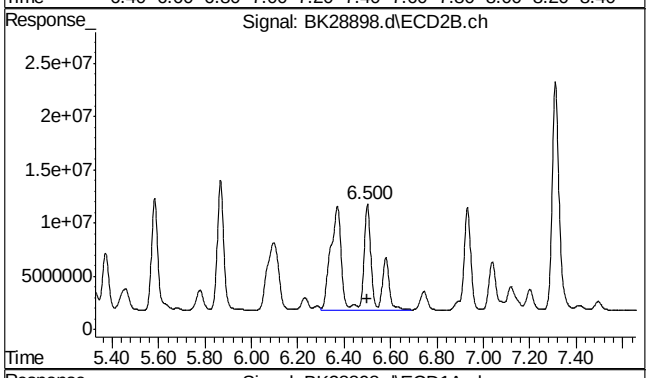
#8 AR1260-B

R.T.: 5.867 min
Delta R.T.: 0.000 min
Response: 232362850
Conc: 500.48 ppb m



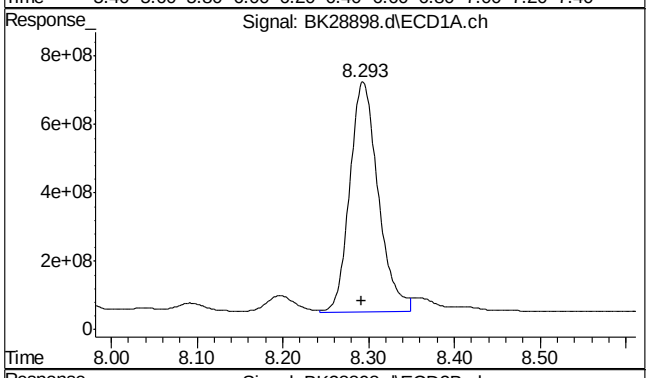
#9 AR1260-C

R.T.: 7.437 min
Delta R.T.: 0.002 min
Response: 22329192851
Conc: 502.63 ppb m



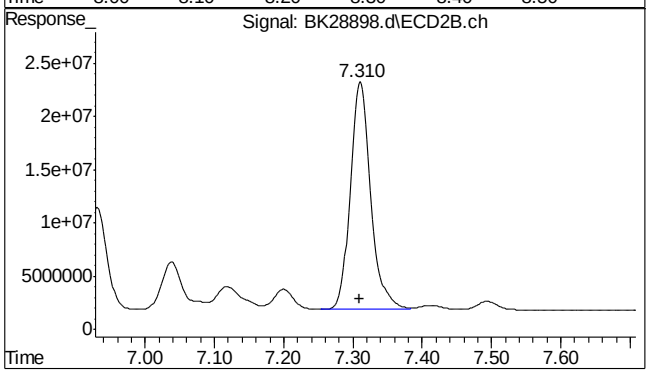
#9 AR1260-C

R.T.: 6.500 min
Delta R.T.: 0.000 min
Response: 604361377
Conc: 509.59 ppb m



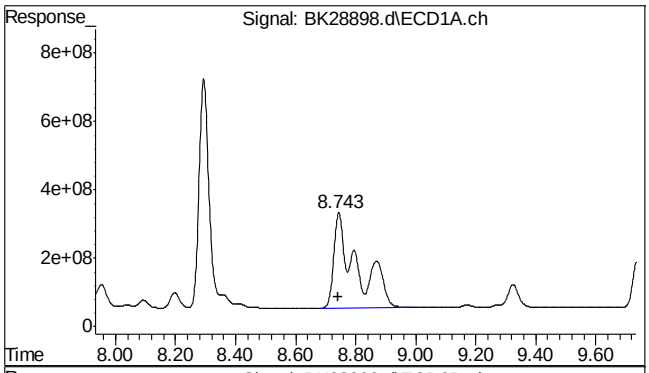
#10 AR1260-D

R.T.: 8.294 min
Delta R.T.: 0.002 min
Response: 15498969876
Conc: 493.33 ppb



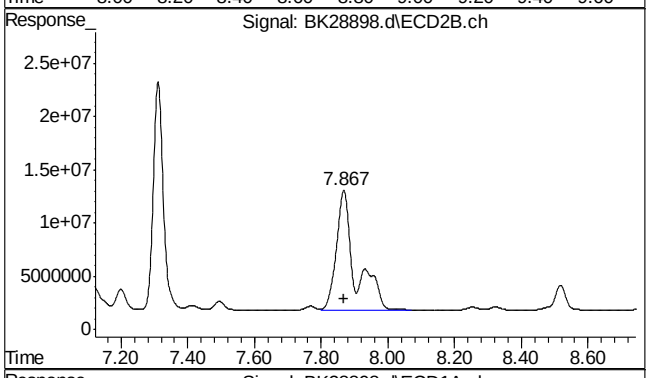
#10 AR1260-D

R.T.: 7.310 min
Delta R.T.: 0.000 min
Response: 440040516
Conc: 490.76 ppb m



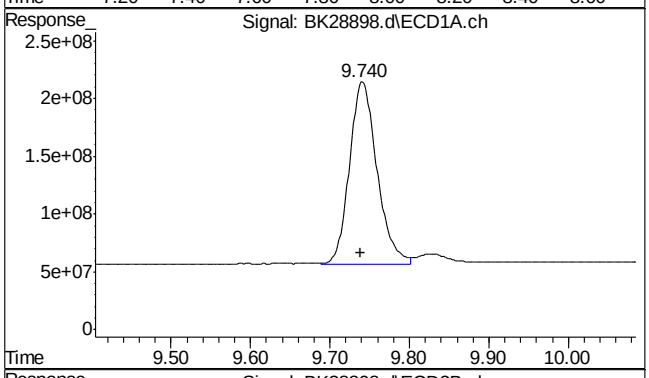
#11 AR1260-E

R.T.: 8.743 min
Delta R.T.: 0.002 min
Response: 14802904421
Conc: 498.85 ppb m



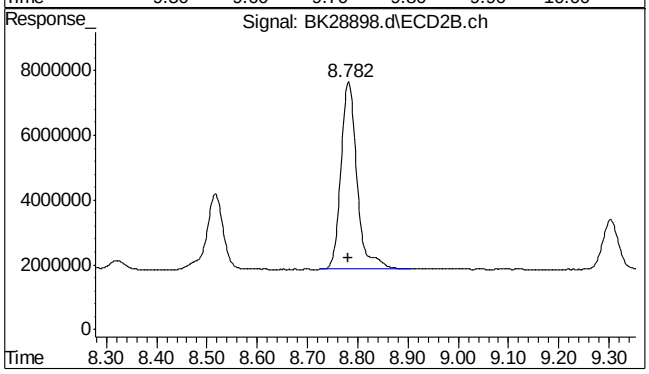
#11 AR1260-E

R.T.: 7.867 min
Delta R.T.: 0.000 min
Response: 439149954
Conc: 507.30 ppb m



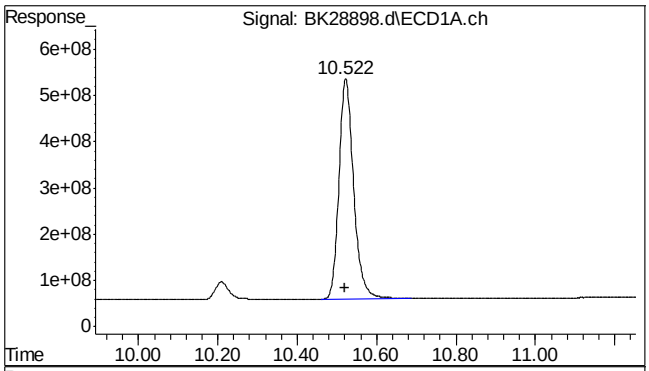
#12 AR1260-F

R.T.: 9.740 min
Delta R.T.: 0.001 min
Response: 3799108186
Conc: 520.87 m



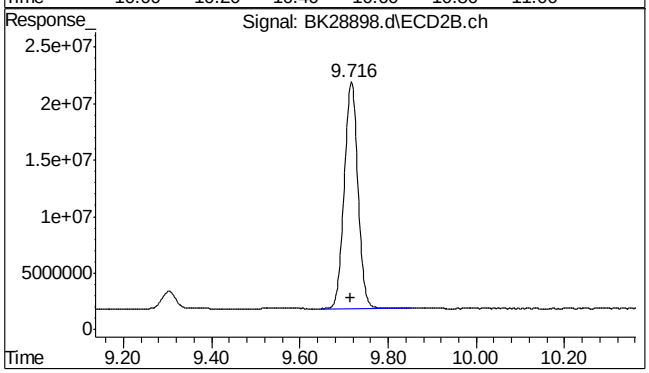
#12 AR1260-F

R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 128418660
Conc: 519.87 m



#13 DCB

R.T.: 10.522 min
Delta R.T.: 0.002 min
Response: 12131876863
Conc: 48.89 ppb m



#13 DCB

R.T.: 9.716 min
Delta R.T.: 0.001 min
Response: 432340756
Conc: 50.44 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/11/13 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29031.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 8:49 am
Operator : nickk
Sample : cc979-750,a16/60
Misc : op34712,gbk984,15,,,10,,s
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 09:14:18 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.013	2.303	12891.2E6	410.4E6	61.710m	52.117m
	Spiked Amount 40.000			Recovery	= 154.28%	130.29%	
13) s	DCB	10.530	9.723	12807.6E6	409.0E6	51.612m	47.714m
	Spiked Amount 40.000			Recovery	= 129.03%	119.29%	
	Target Compounds						
2)	AR1016-A	3.349	2.677	3017.3E6	89356137	708.350m	676.500m
3)	AR1016-B	3.712	3.012	7011.6E6	194.8E6	861.706m	650.012m
4)	AR1016-C	4.218	3.431	13516.5E6	378.8E6	778.732m	655.582
5)	AR1016-D	4.370	3.562	9214.2E6	155.3E6	814.358m	694.141
6)	AR1016-E	4.851	4.044	6215.8E6	185.2E6	845.210m	665.840m
7)	AR1260-A	6.465	5.585	10255.0E6	270.6E6	825.738m	685.749m
8)	AR1260-B	6.864	5.869	20965.7E6	310.7E6	826.120m	669.163m
9)	AR1260-C	7.448	6.504	35458.3E6	842.4E6	798.166m	710.343m
10)	AR1260-D	8.304	7.316	24067.2E6	645.7E6	766.056m	720.145
11)	AR1260-E	8.753	7.873	22451.9E6	604.1E6	756.624m	697.847m
12)	AR1260-F	9.750	8.789	5406.0E6	164.5E6	741.181m	665.779m

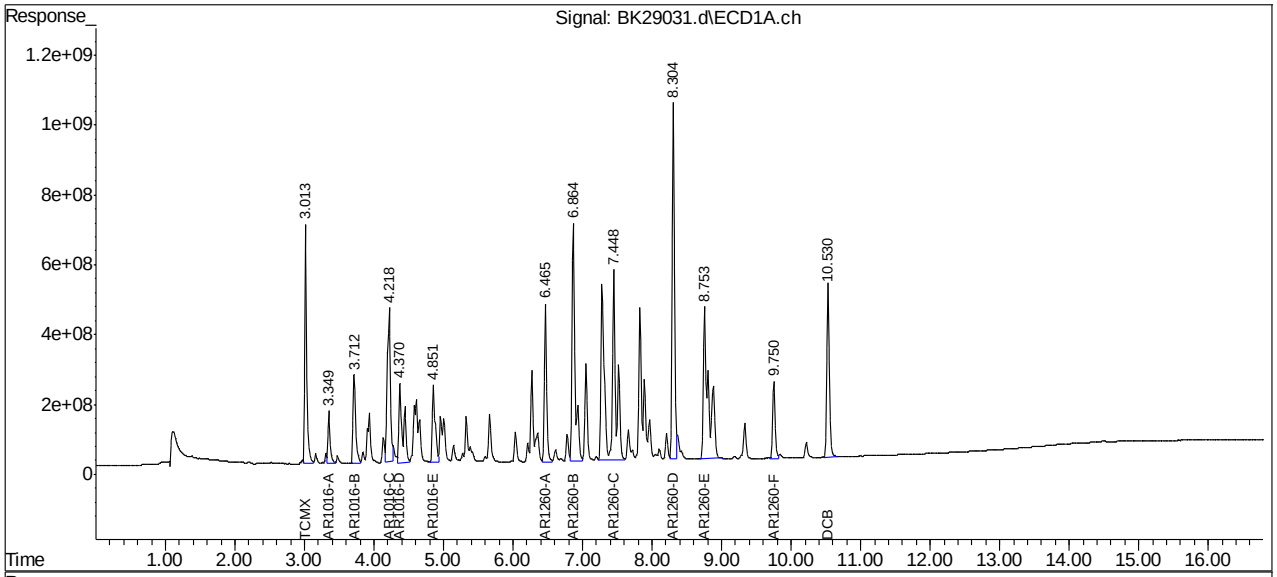
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

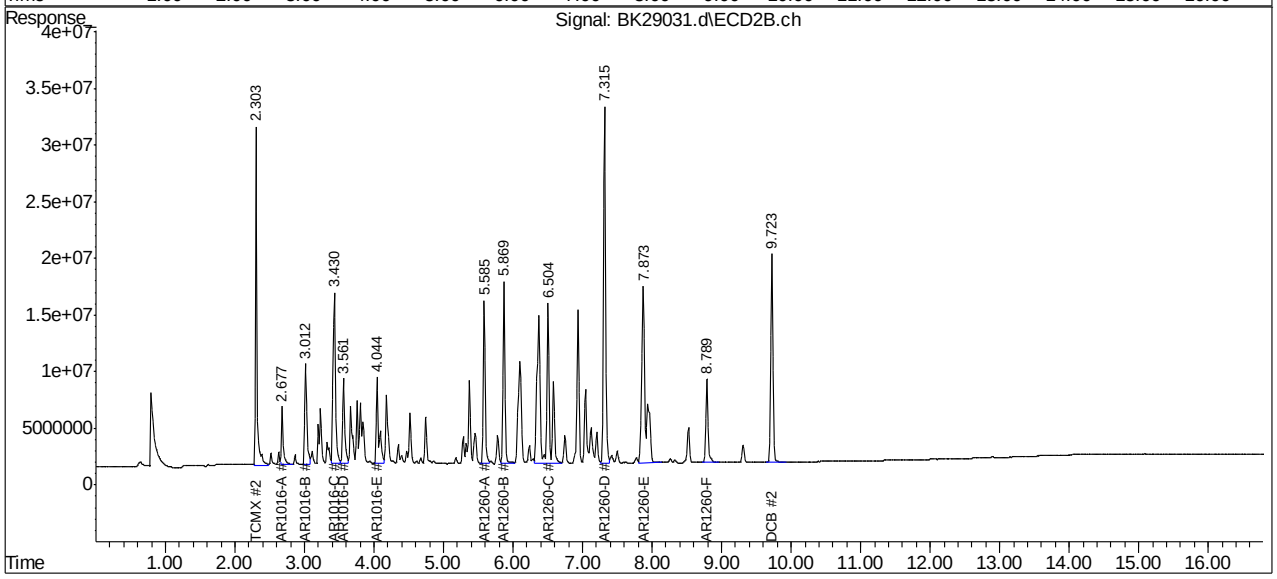
Quantitation Report (QT Reviewed)

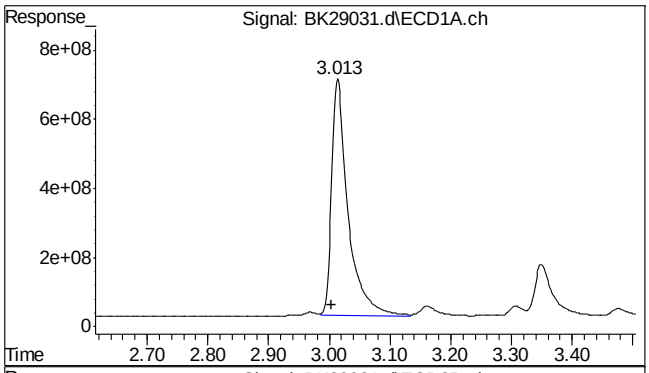
Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29031.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 8:49 am
Operator : nickk
Sample : cc979-750,a16/60
Misc : op34712,gbk984,15,,,10,,s
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 09:14:18 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

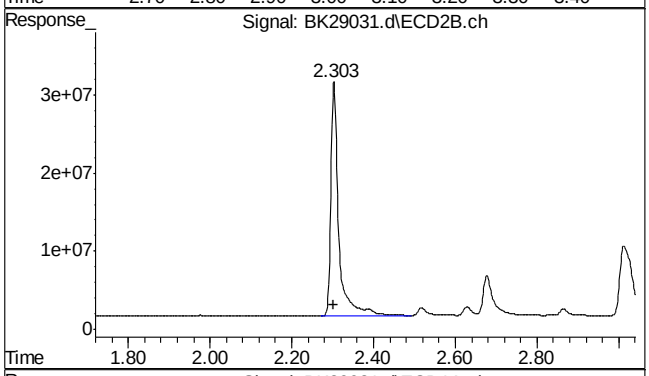






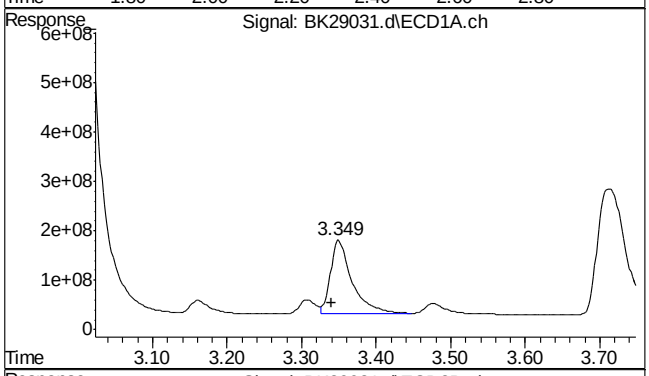
#1 TCMX

R.T.: 3.013 min
Delta R.T.: 0.009 min
Response: 12891163363
Conc: 61.71 ppb m



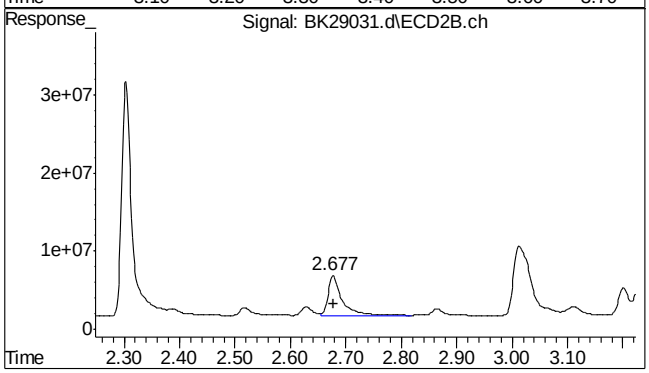
#1 TCMX

R.T.: 2.303 min
Delta R.T.: 0.000 min
Response: 410385086
Conc: 52.12 ppb m



#2 AR1016-A

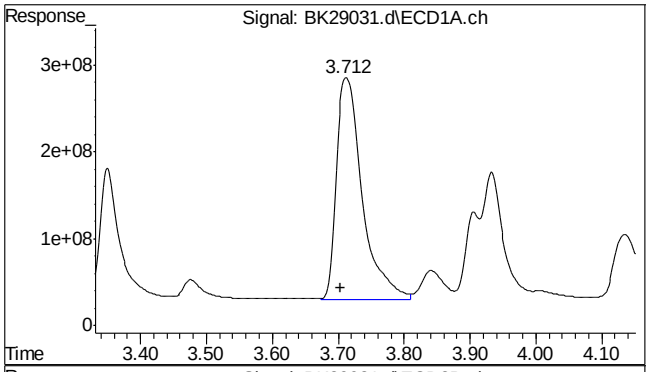
R.T.: 3.349 min
Delta R.T.: 0.009 min
Response: 3017308101
Conc: 708.35 ppb m



#2 AR1016-A

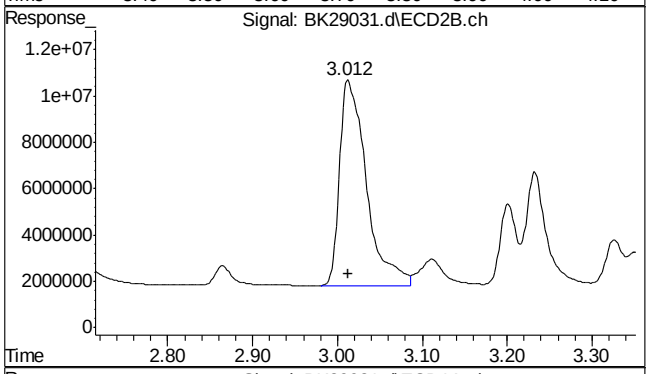
R.T.: 2.677 min
Delta R.T.: 0.000 min
Response: 89356137
Conc: 676.50 ppb m

11.5.12
11



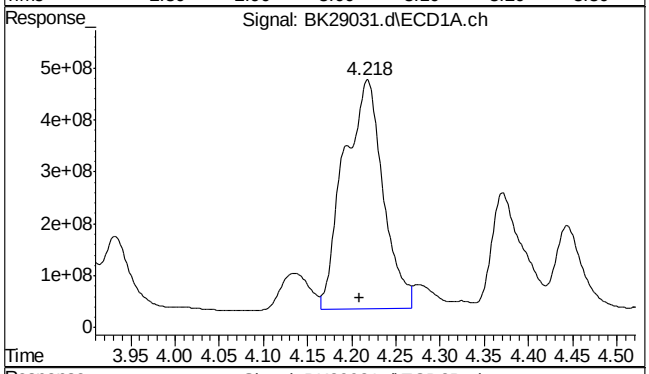
#3 AR1016-B

R.T.: 3.712 min
Delta R.T.: 0.009 min
Response: 7011645737
Conc: 861.71 ppb m



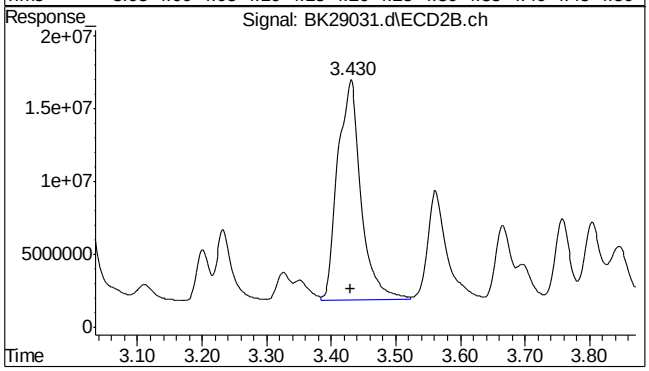
#3 AR1016-B

R.T.: 3.012 min
Delta R.T.: 0.000 min
Response: 194776158
Conc: 650.01 ppb m



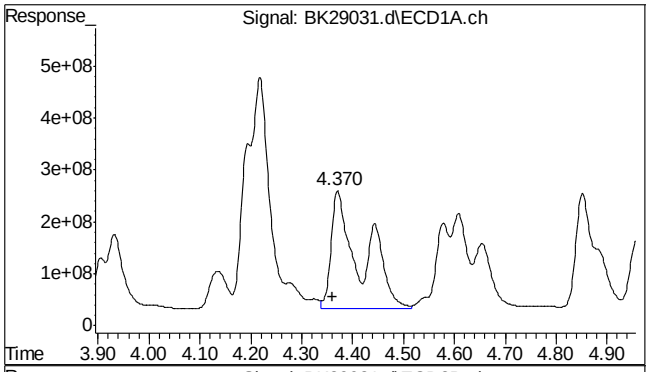
#4 AR1016-C

R.T.: 4.218 min
Delta R.T.: 0.009 min
Response: 13516475934
Conc: 778.73 ppb m



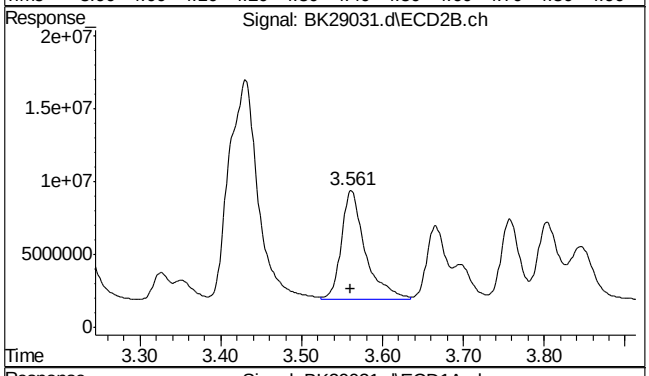
#4 AR1016-C

R.T.: 3.431 min
Delta R.T.: 0.000 min
Response: 378836892
Conc: 655.58 ppb



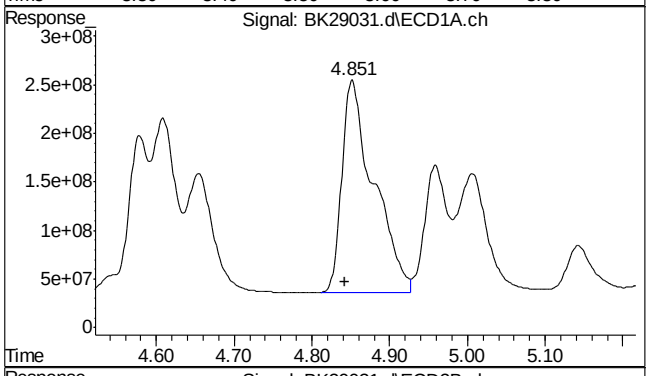
#5 AR1016-D

R.T.: 4.370 min
Delta R.T.: 0.009 min
Response: 9214225984
Conc: 814.36 m



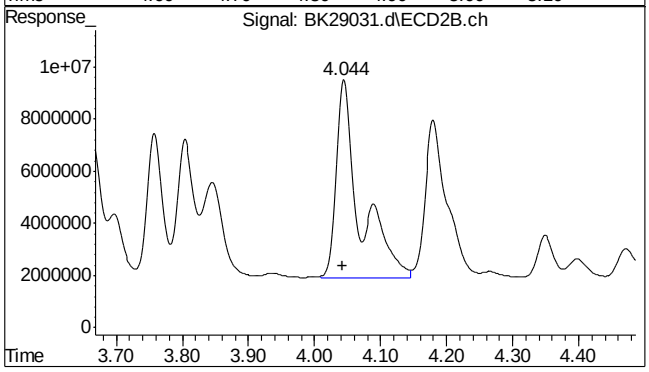
#5 AR1016-D

R.T.: 3.562 min
Delta R.T.: 0.000 min
Response: 155270435
Conc: 694.14



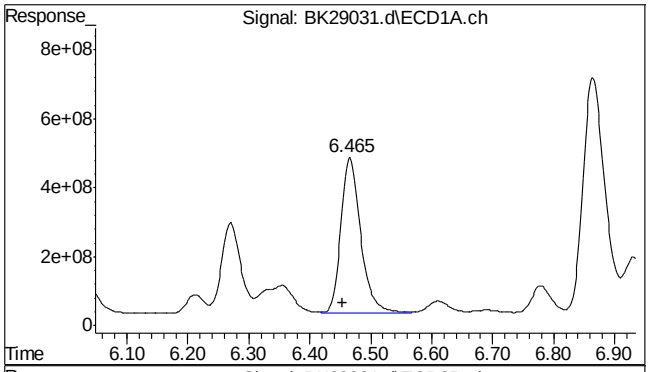
#6 AR1016-E

R.T.: 4.851 min
Delta R.T.: 0.008 min
Response: 6215765570
Conc: 845.21 m



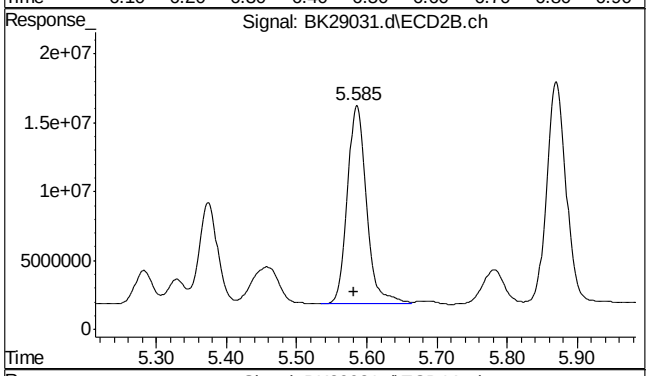
#6 AR1016-E

R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 185155895
Conc: 665.84 m



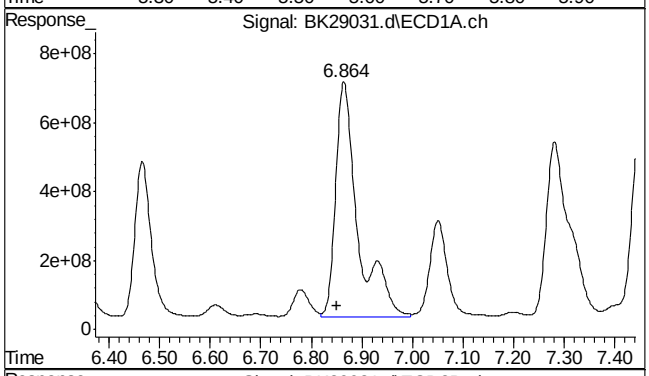
#7 AR1260-A

R.T.: 6.465 min
Delta R.T.: 0.011 min
Response: 10255033785
Conc: 825.74 ppb m



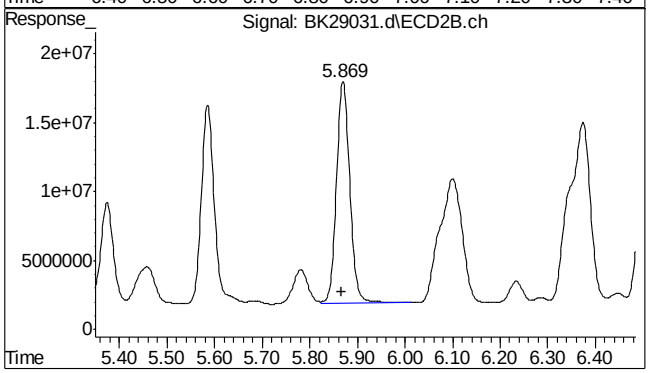
#7 AR1260-A

R.T.: 5.585 min
Delta R.T.: 0.003 min
Response: 270575712
Conc: 685.75 ppb m



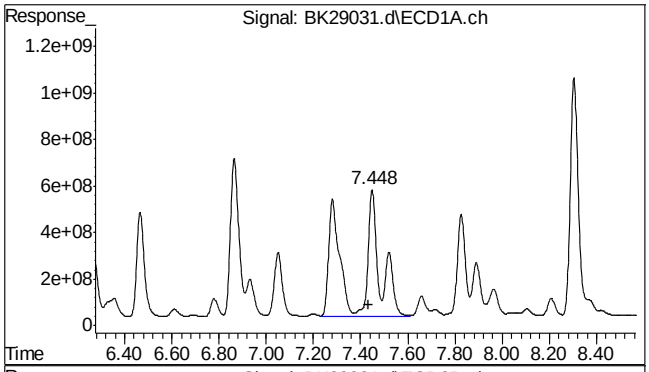
#8 AR1260-B

R.T.: 6.864 min
Delta R.T.: 0.013 min
Response: 20965700131
Conc: 826.12 ppb m



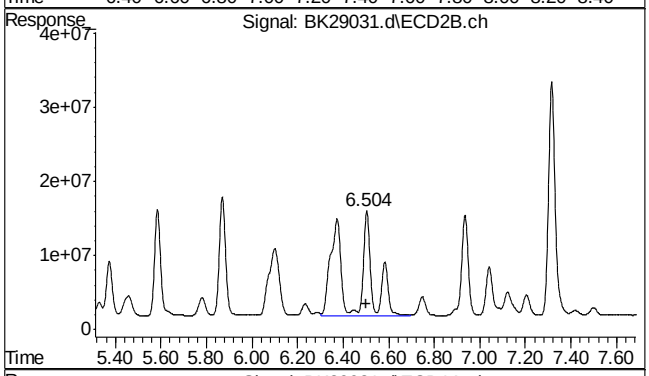
#8 AR1260-B

R.T.: 5.869 min
Delta R.T.: 0.003 min
Response: 310681694
Conc: 669.16 ppb m



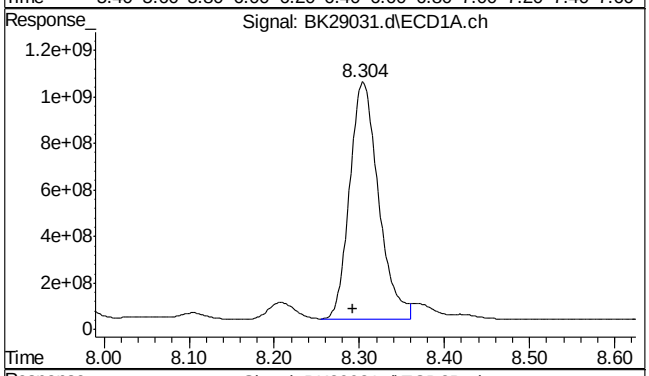
#9 AR1260-C

R.T.: 7.448 min
Delta R.T.: 0.013 min
Response: 35458328582
Conc: 798.17 ppb m



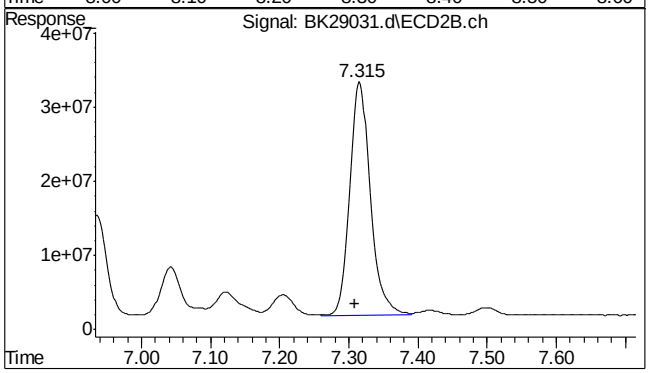
#9 AR1260-C

R.T.: 6.504 min
Delta R.T.: 0.004 min
Response: 842442493
Conc: 710.34 ppb m



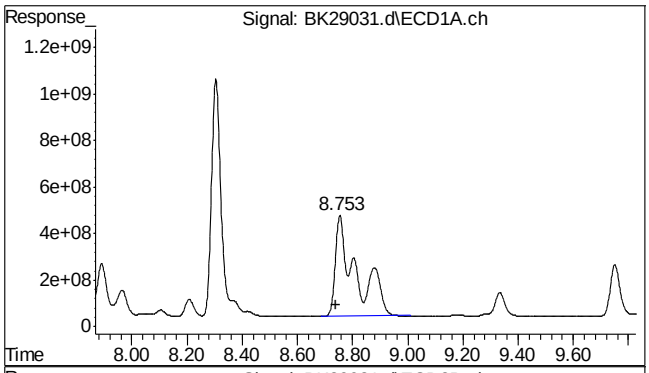
#10 AR1260-D

R.T.: 8.304 min
Delta R.T.: 0.012 min
Response: 24067170192
Conc: 766.06 ppb m



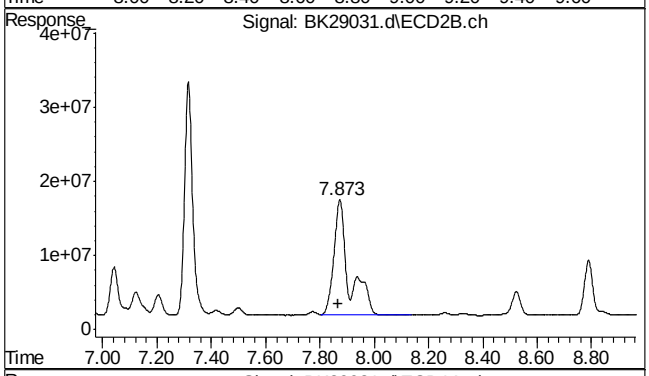
#10 AR1260-D

R.T.: 7.316 min
Delta R.T.: 0.007 min
Response: 645714577
Conc: 720.15 ppb



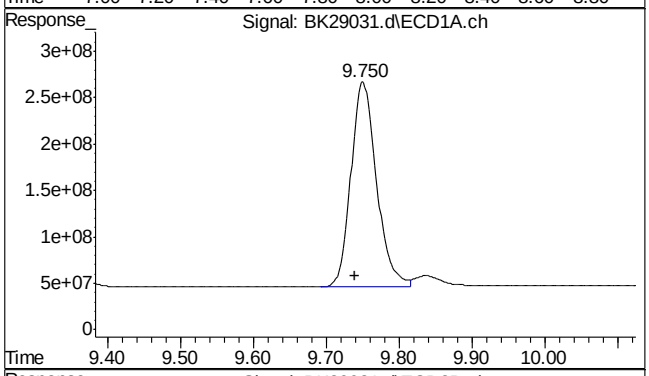
#11 AR1260-E

R.T.: 8.753 min
Delta R.T.: 0.012 min
Response: 22451901812
Conc: 756.62 ppb m



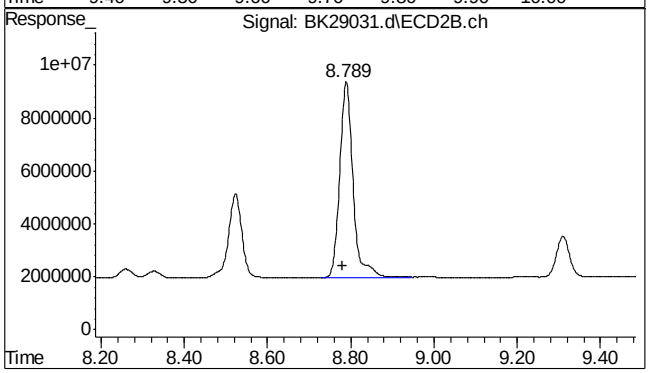
#11 AR1260-E

R.T.: 7.873 min
Delta R.T.: 0.006 min
Response: 604104209
Conc: 697.85 ppb m



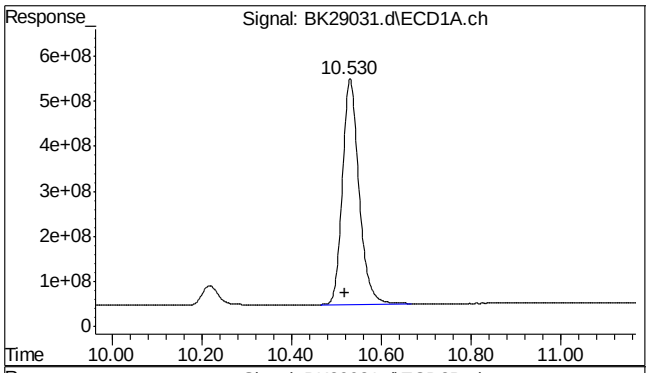
#12 AR1260-F

R.T.: 9.750 min
Delta R.T.: 0.011 min
Response: 5406006312
Conc: 741.18 m



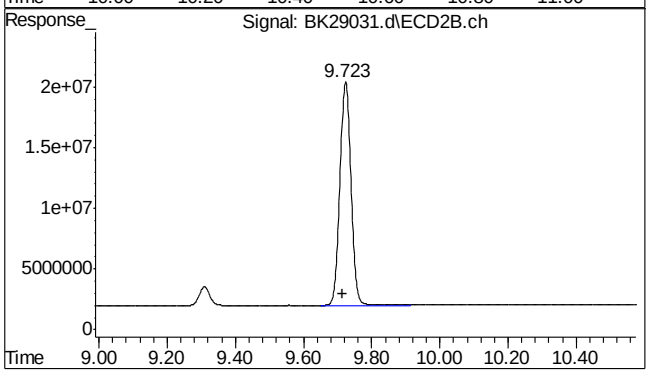
#12 AR1260-F

R.T.: 8.789 min
Delta R.T.: 0.008 min
Response: 164461139
Conc: 665.78 m



#13 DCB

R.T.: 10.530 min
Delta R.T.: 0.010 min
Response: 12807591406
Conc: 51.61 ppb m



#13 DCB

R.T.: 9.723 min
Delta R.T.: 0.007 min
Response: 408996072
Conc: 47.71 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/11/13 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29042.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 12:23 pm
Operator : nickk
Sample : cc979-750,a16/60
Misc : op34712,gbk984,15,,,10,,s
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 13:14:51 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.005	2.304	13050.7E6	413.5E6	62.473	52.514m
	Spiked Amount 40.000			Recovery	= 156.18%	131.29%	
13) s	DCB	10.519	9.721	13964.5E6	440.4E6	56.274m	51.377m
	Spiked Amount 40.000			Recovery	= 140.69%	128.44%	
	Target Compounds						
2)	AR1016-A	3.339	2.679	3093.5E6	93277535	726.248m	706.188m
3)	AR1016-B	3.704	3.016	6914.4E6	200.3E6	849.753m	668.423
4)	AR1016-C	4.207	3.433	13923.1E6	398.2E6	802.161m	689.013m
5)	AR1016-D	4.360	3.564	9319.8E6	156.8E6	823.689m	701.062m
6)	AR1016-E	4.840	4.046	6135.0E6	192.2E6	834.228m	691.066m
7)	AR1260-A	6.454	5.587	10443.2E6	281.7E6	840.887m	714.019m
8)	AR1260-B	6.852	5.871	21868.7E6	326.5E6	861.703m	703.340m
9)	AR1260-C	7.437	6.504	37281.2E6	879.4E6	839.199m	741.480m
10)	AR1260-D	8.292	7.315	26463.0E6	697.7E6	842.314m	778.117m
11)	AR1260-E	8.742	7.873	24964.4E6	658.8E6	841.293m	761.036m
12)	AR1260-F	9.739	8.788	6097.3E6	184.5E6	835.959m	747.090

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

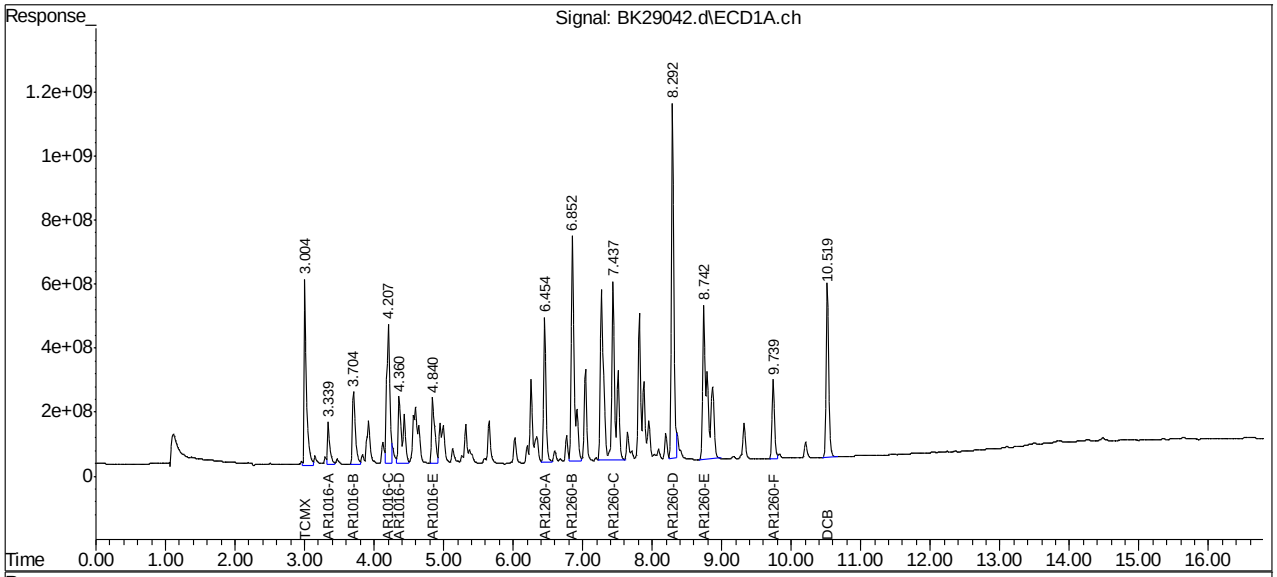
11.5.13
11

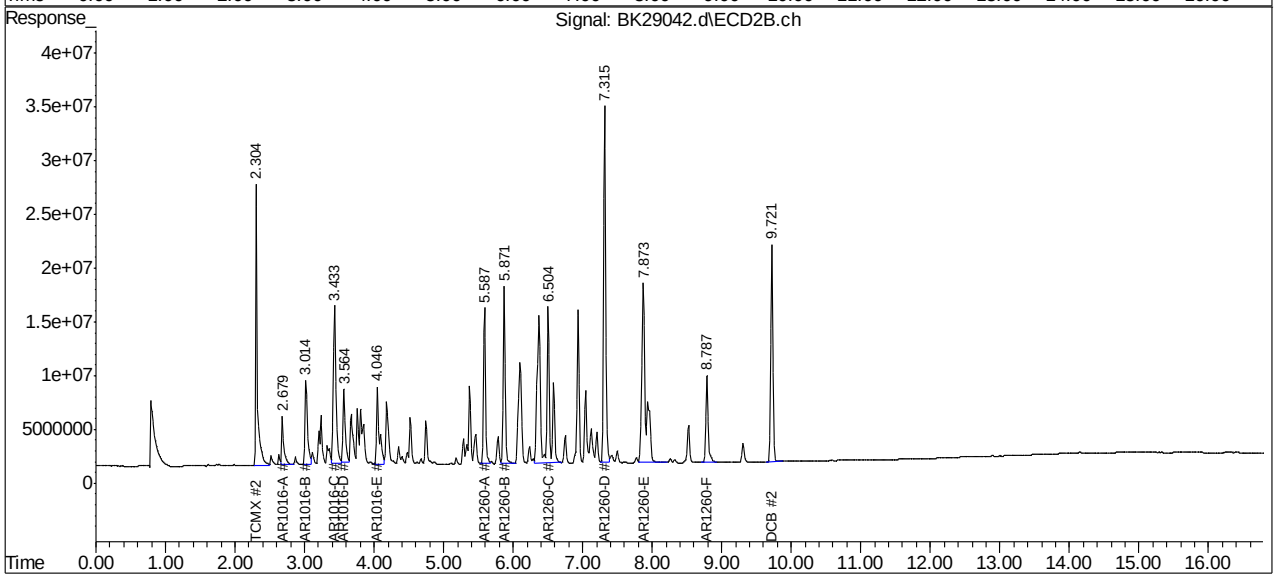
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29042.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 12:23 pm
Operator : nickk
Sample : cc979-750,a16/60
Misc : op34712,gbk984,15,,,10,,s
ALS Vial : 100 Sample Multiplier: 1

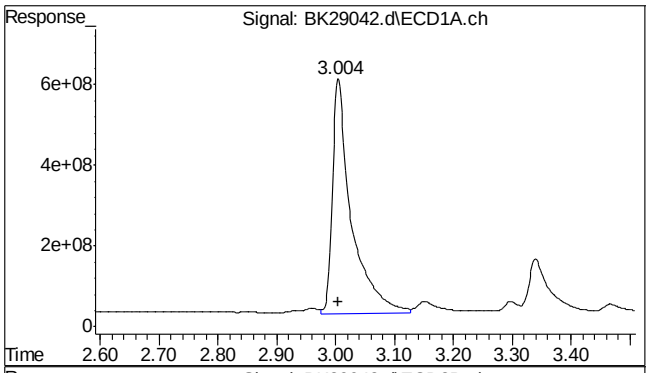
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 13:14:51 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



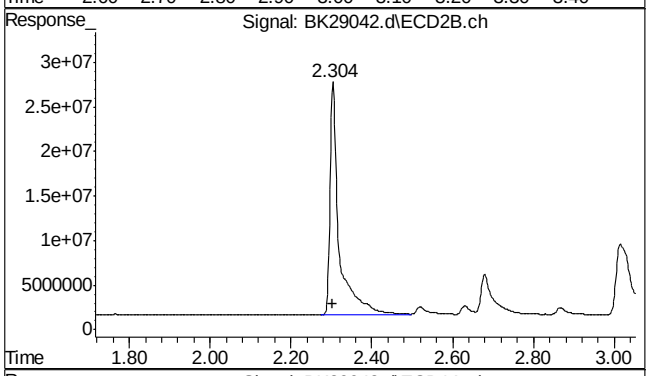


ACCUTEST LABORATORIES MC24064



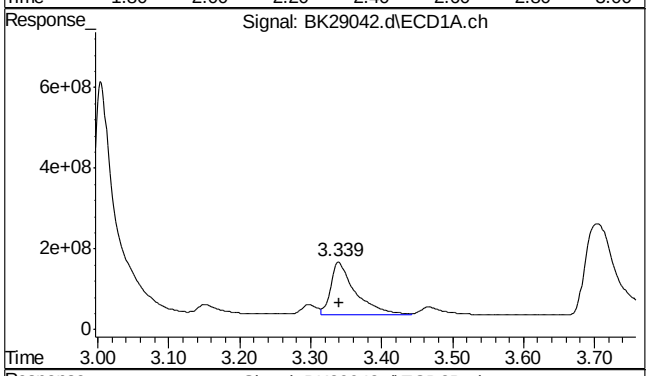
#1 TCMX

R.T.: 3.005 min
Delta R.T.: 0.000 min
Response: 13050726759
Conc: 62.47 ppb



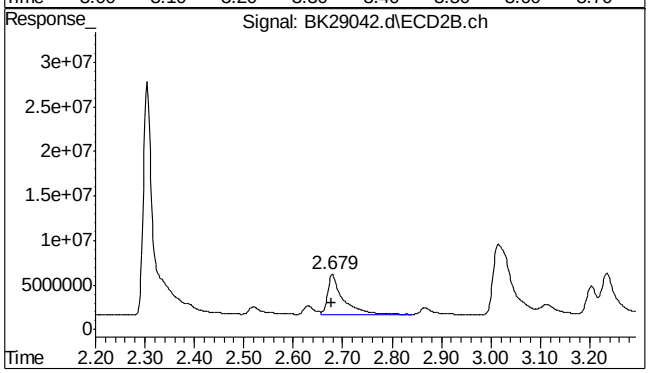
#1 TCMX

R.T.: 2.304 min
Delta R.T.: 0.000 min
Response: 413513591
Conc: 52.51 ppb m



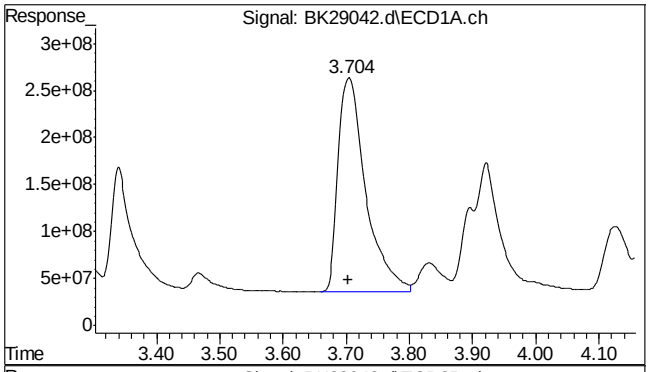
#2 AR1016-A

R.T.: 3.339 min
Delta R.T.: 0.000 min
Response: 3093548026
Conc: 726.25 ppb m



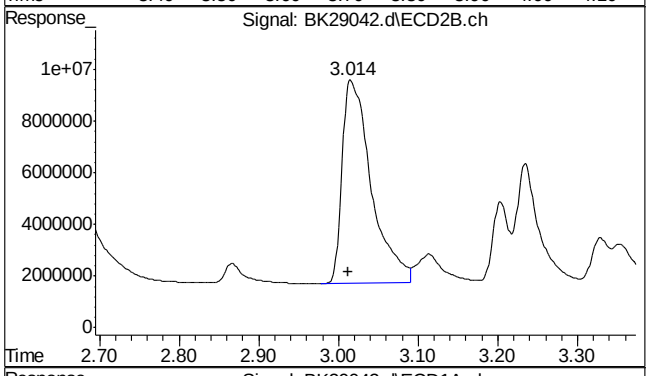
#2 AR1016-A

R.T.: 2.679 min
Delta R.T.: 0.000 min
Response: 93277535
Conc: 706.19 ppb m



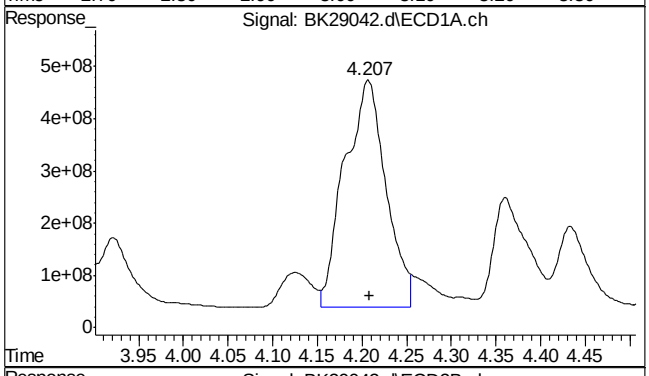
#3 AR1016-B

R.T.: 3.704 min
Delta R.T.: 0.002 min
Response: 6914391444
Conc: 849.75 ppb m



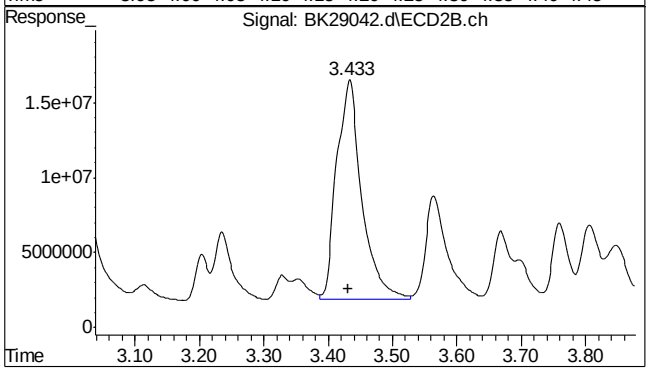
#3 AR1016-B

R.T.: 3.016 min
Delta R.T.: 0.004 min
Response: 200293104
Conc: 668.42 ppb



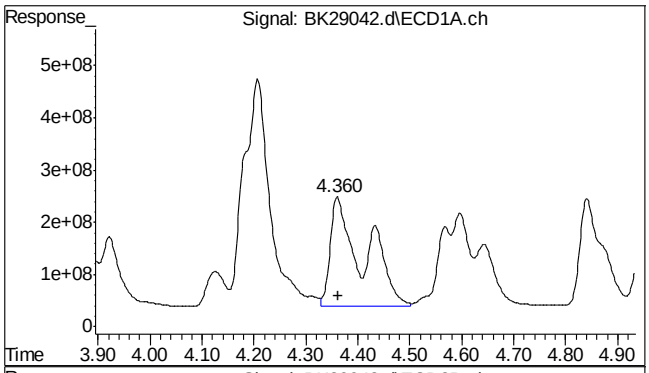
#4 AR1016-C

R.T.: 4.207 min
Delta R.T.: -0.002 min
Response: 13923147412
Conc: 802.16 ppb m



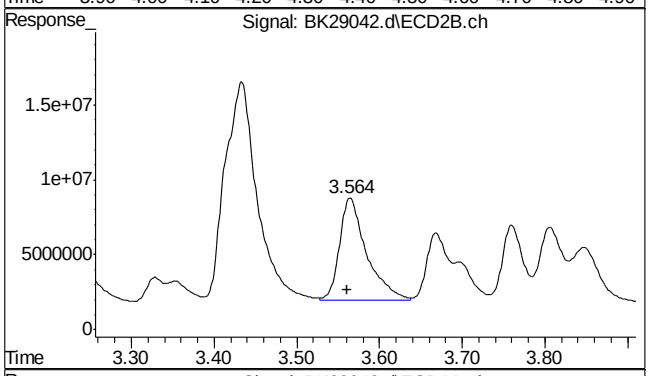
#4 AR1016-C

R.T.: 3.433 min
Delta R.T.: 0.002 min
Response: 398155620
Conc: 689.01 ppb m



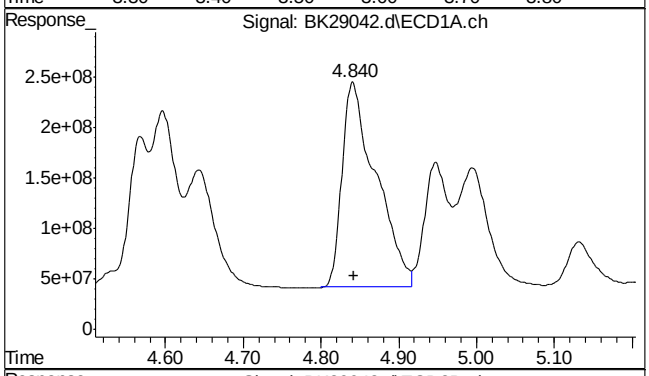
#5 AR1016-D

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 9319810890
Conc: 823.69 m



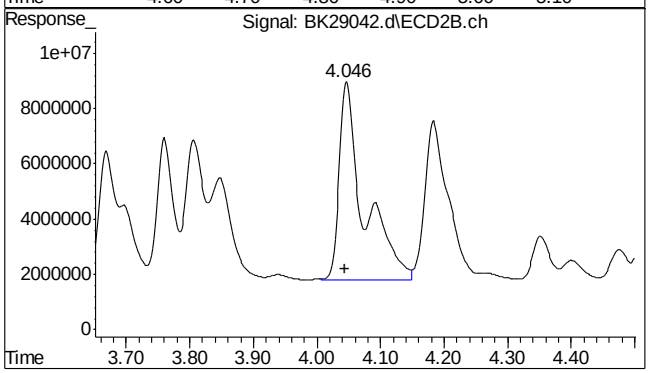
#5 AR1016-D

R.T.: 3.564 min
Delta R.T.: 0.003 min
Response: 156818481
Conc: 701.06 m



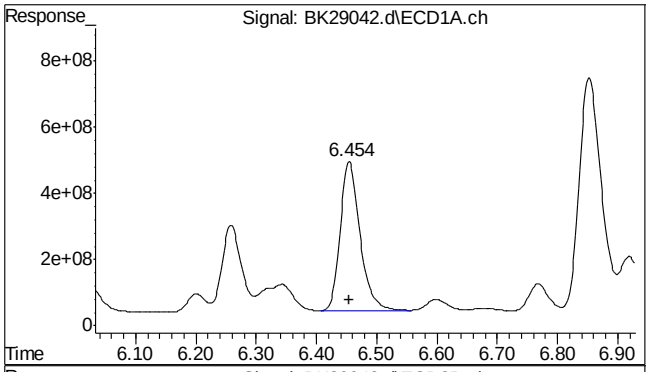
#6 AR1016-E

R.T.: 4.840 min
Delta R.T.: -0.003 min
Response: 6134998511
Conc: 834.23 m



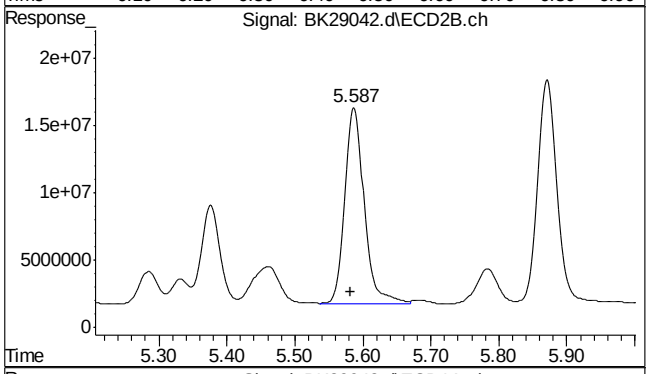
#6 AR1016-E

R.T.: 4.046 min
Delta R.T.: 0.003 min
Response: 192170645
Conc: 691.07 m



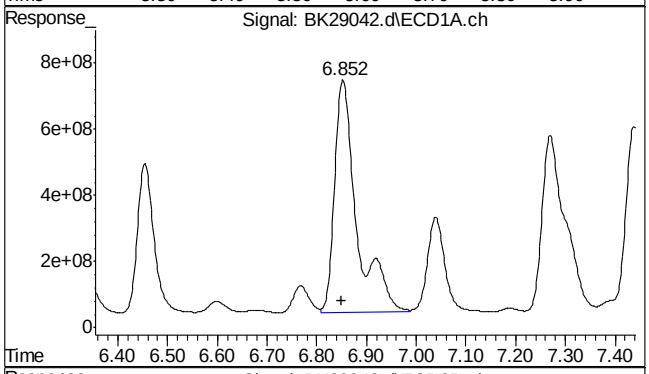
#7 AR1260-A

R.T.: 6.454 min
Delta R.T.: 0.000 min
Response: 10443178724
Conc: 840.89 ppb m



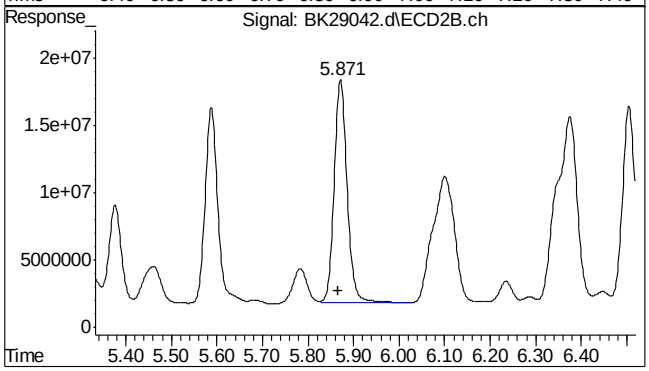
#7 AR1260-A

R.T.: 5.587 min
Delta R.T.: 0.005 min
Response: 281730272
Conc: 714.02 ppb m



#8 AR1260-B

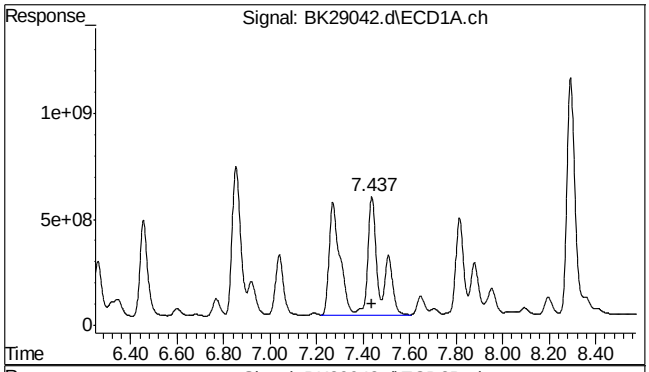
R.T.: 6.852 min
Delta R.T.: 0.001 min
Response: 21868730012
Conc: 861.70 ppb m



#8 AR1260-B

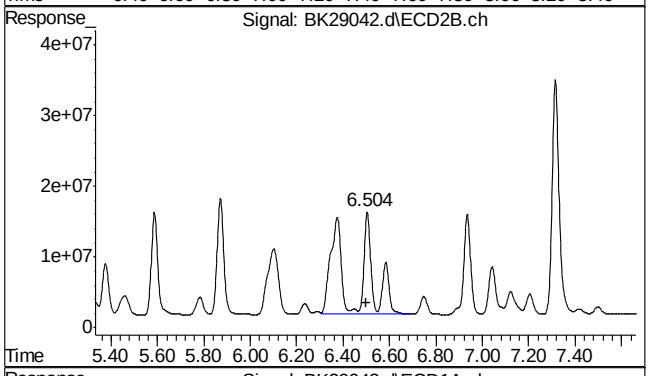
R.T.: 5.871 min
Delta R.T.: 0.005 min
Response: 326549433
Conc: 703.34 ppb m

11.5.13
11



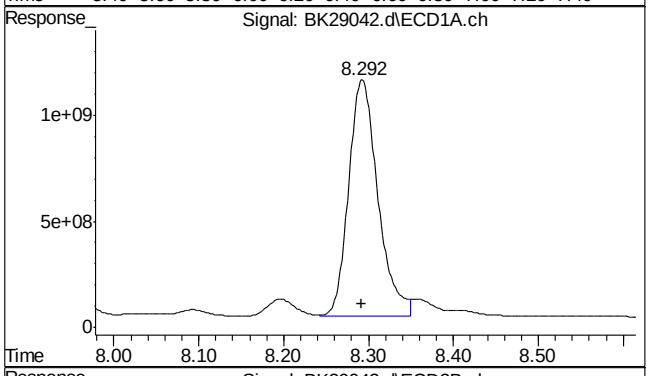
#9 AR1260-C

R.T.: 7.437 min
Delta R.T.: 0.000 min
Response: 37281232286
Conc: 839.20 ppb m



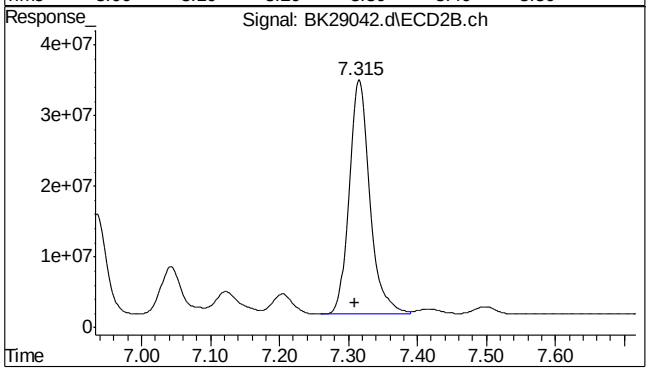
#9 AR1260-C

R.T.: 6.504 min
Delta R.T.: 0.005 min
Response: 879370705
Conc: 741.48 ppb m



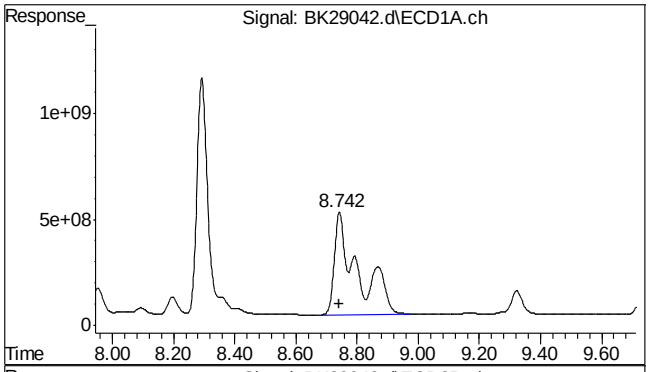
#10 AR1260-D

R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 26462955076
Conc: 842.31 ppb m



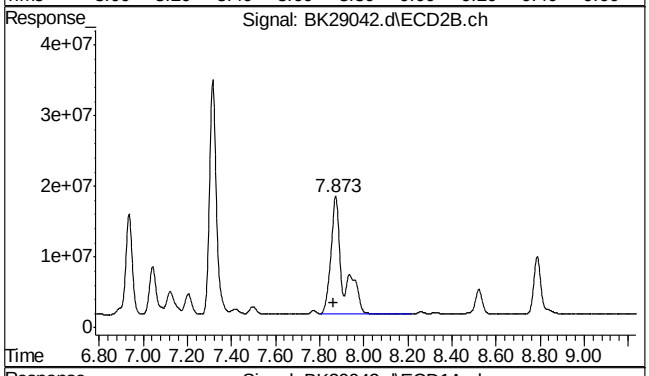
#10 AR1260-D

R.T.: 7.315 min
Delta R.T.: 0.006 min
Response: 697694772
Conc: 778.12 ppb m



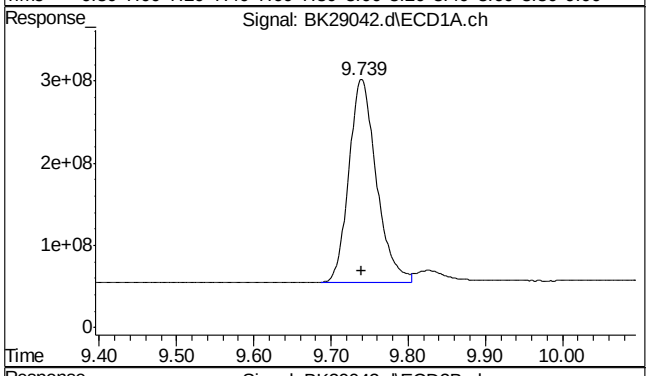
#11 AR1260-E

R.T.: 8.742 min
Delta R.T.: 0.000 min
Response: 24964353862
Conc: 841.29 ppb m



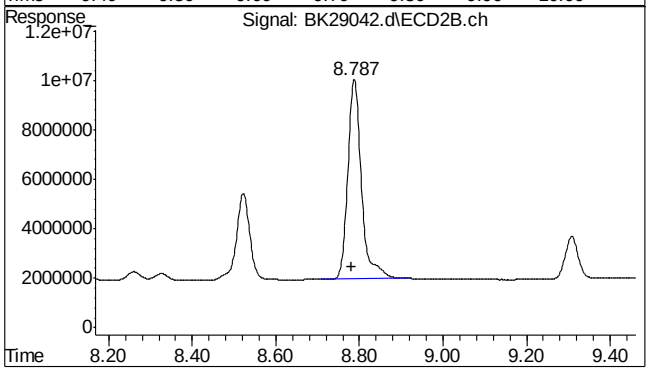
#11 AR1260-E

R.T.: 7.873 min
Delta R.T.: 0.006 min
Response: 658805333
Conc: 761.04 ppb m



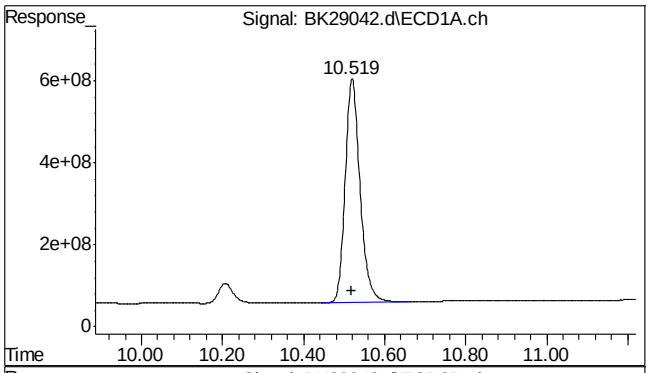
#12 AR1260-F

R.T.: 9.739 min
Delta R.T.: 0.000 min
Response: 6097295380
Conc: 835.96 m



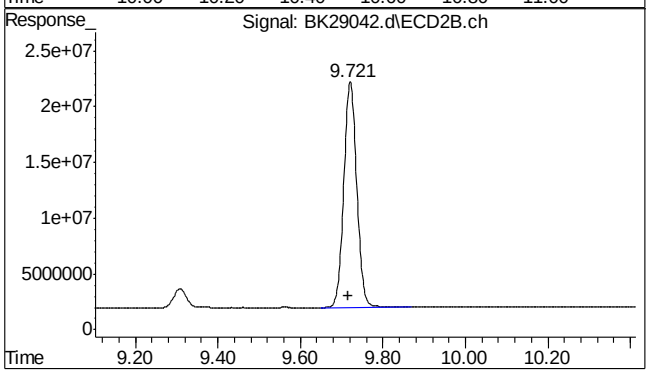
#12 AR1260-F

R.T.: 8.788 min
Delta R.T.: 0.007 min
Response: 184546675
Conc: 747.09



#13 DCB

R.T.: 10.519 min
Delta R.T.: 0.000 min
Response: 13964468805
Conc: 56.27 ppb m



#13 DCB

R.T.: 9.721 min
Delta R.T.: 0.005 min
Response: 440394202
Conc: 51.38 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
09/11/13 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29053.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 4:03 pm
Operator : nickk
Sample : cc979-750,a16/60
Misc : op34712,gbk984,15,,,10,,s
ALS Vial : 99 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 16:23:23 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	3.017	2.304	12527.2E6	372.8E6	59.967m	47.340m
	Spiked Amount 40.000			Recovery	= 149.92%	118.35%	
13) s	DCB	10.534	9.724	12716.4E6	380.1E6	51.245m	44.342m
	Spiked Amount 40.000			Recovery	= 128.11%	110.85%	
	Target Compounds						
2)	AR1016-A	3.354	2.678	3247.2E6	79334993	762.323	600.632m
3)	AR1016-B	3.716	3.015	6781.9E6	177.3E6	833.466m	591.636 #
4)	AR1016-C	4.222	3.432	13227.0E6	353.2E6	762.056m	611.166
5)	AR1016-D	4.374	3.563	8530.7E6	146.2E6	753.946m	653.511
6)	AR1016-E	4.856	4.044	5886.0E6	170.4E6	800.368m	612.941m
7)	AR1260-A	6.470	5.586	9765.1E6	249.5E6	786.286	632.297m
8)	AR1260-B	6.868	5.871	19951.5E6	299.2E6	786.158m	644.528
9)	AR1260-C	7.453	6.505	34251.2E6	783.7E6	770.993m	660.839m
10)	AR1260-D	8.309	7.317	23827.9E6	613.0E6	758.439m	683.613
11)	AR1260-E	8.759	7.875	22952.2E6	571.2E6	773.484m	659.848m
12)	AR1260-F	9.756	8.790	5456.3E6	158.6E6	748.073	642.008

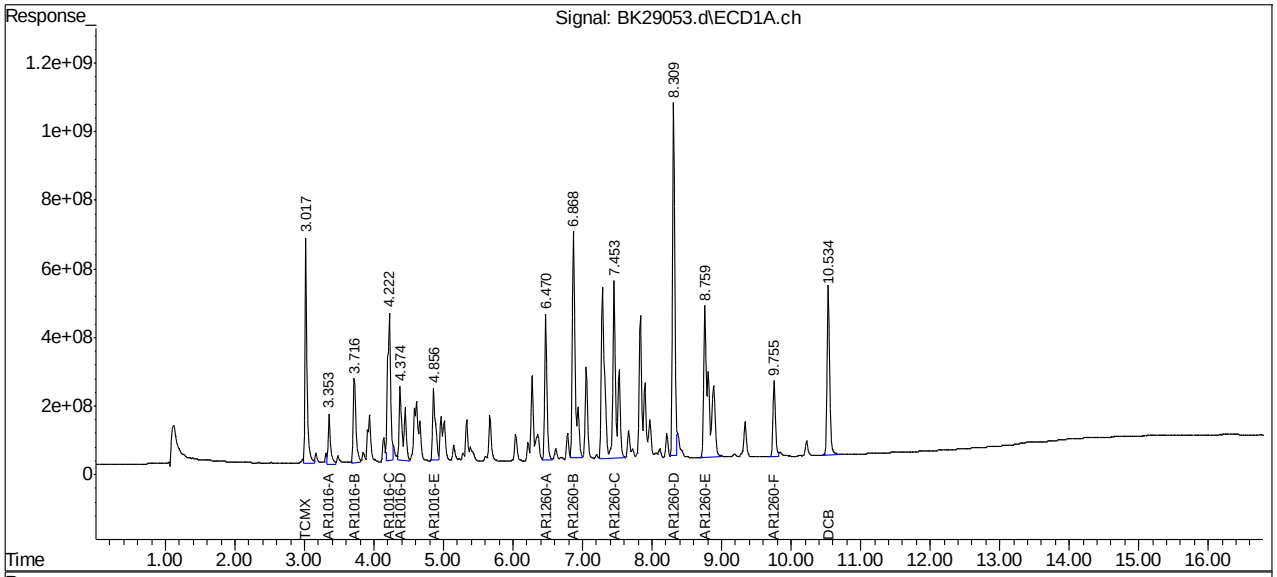
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

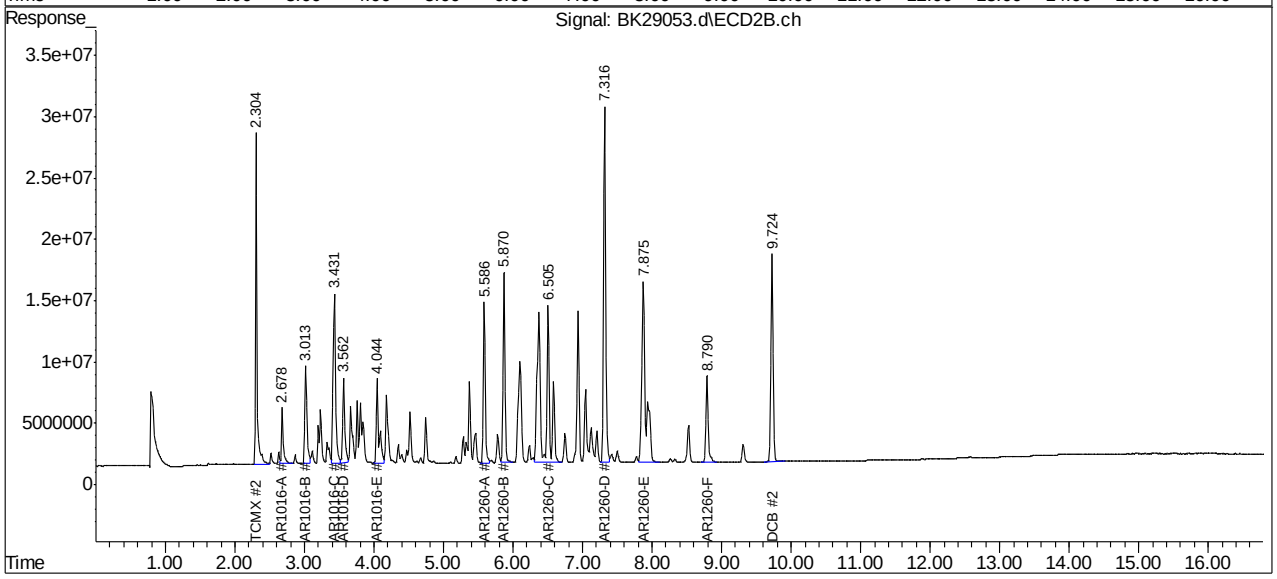
Quantitation Report (QT Reviewed)

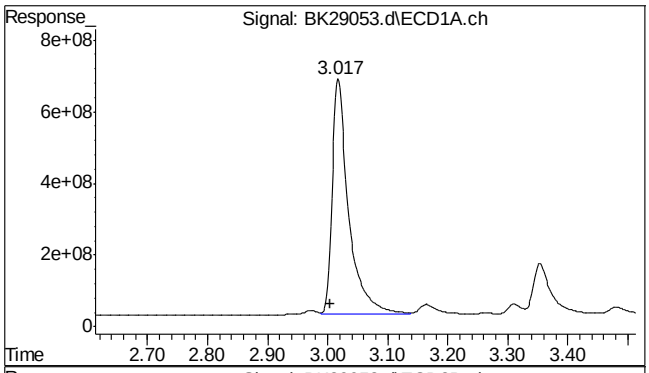
Data Path : C:\msdchem\1\DATA\BK130910\
Data File : BK29053.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2013 4:03 pm
Operator : nickk
Sample : cc979-750,a16/60
Misc : op34712,gbk984,15,,,10,,s
ALS Vial : 99 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 10 16:23:23 2013
Quant Method : C:\msdchem\1\METHODS\PC130910.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Fri Sep 06 08:26:11 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

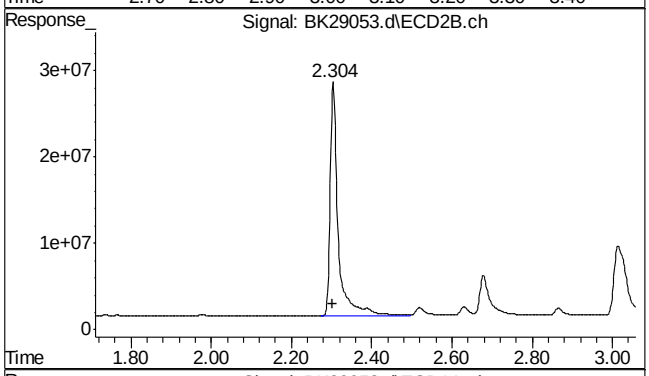






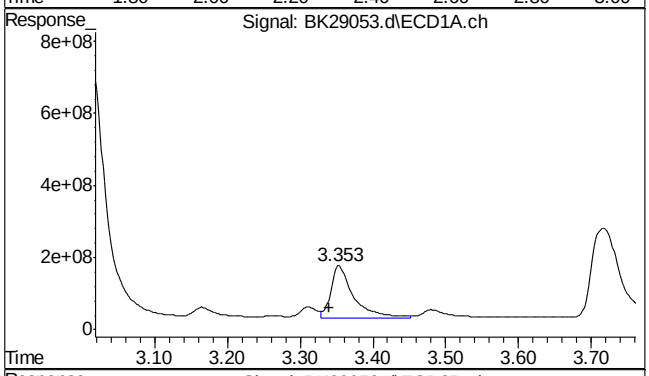
#1 TCMX

R.T.: 3.017 min
Delta R.T.: 0.013 min
Response: 12527240493
Conc: 59.97 ppb m



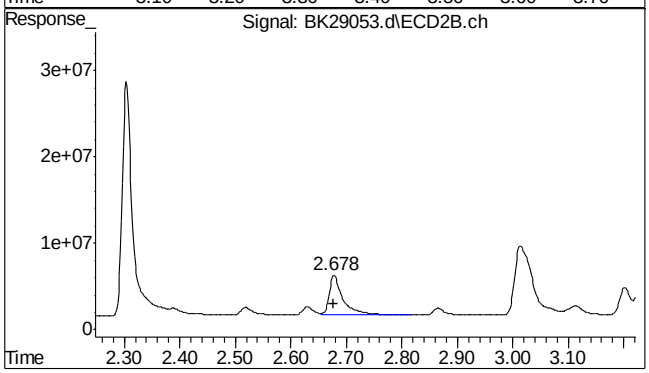
#1 TCMX

R.T.: 2.304 min
Delta R.T.: 0.000 min
Response: 372772354
Conc: 47.34 ppb m



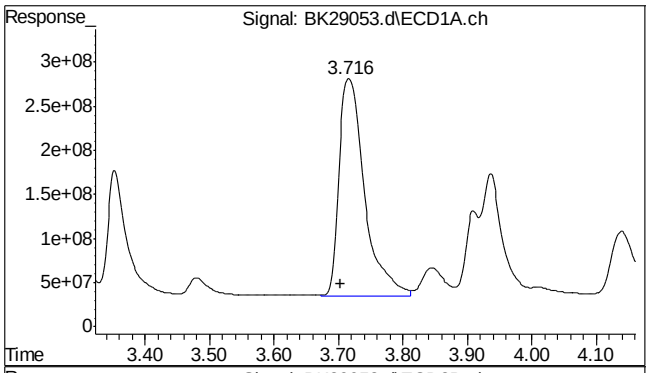
#2 AR1016-A

R.T.: 3.354 min
Delta R.T.: 0.014 min
Response: 3247213644
Conc: 762.32 ppb



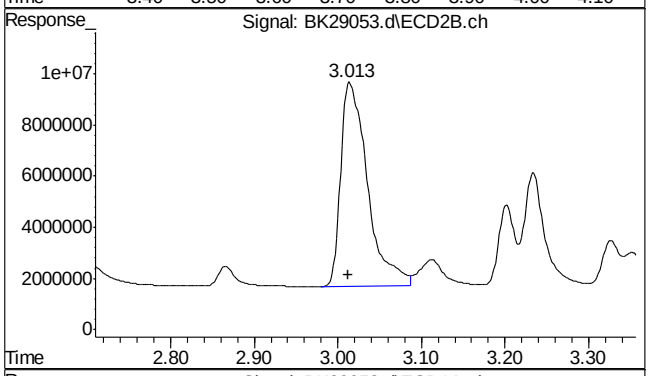
#2 AR1016-A

R.T.: 2.678 min
Delta R.T.: 0.000 min
Response: 79334993
Conc: 600.63 ppb m



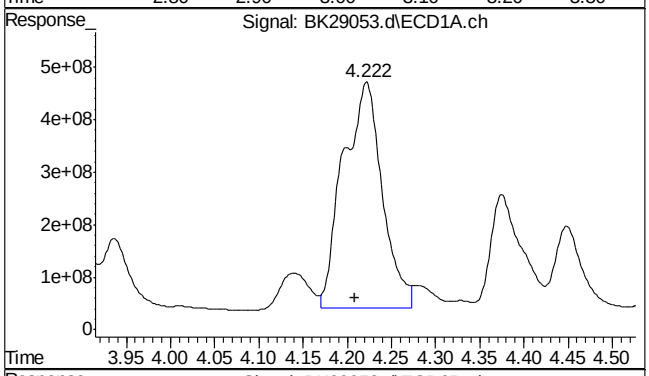
#3 AR1016-B

R.T.: 3.716 min
Delta R.T.: 0.013 min
Response: 6781862298
Conc: 833.47 ppb m



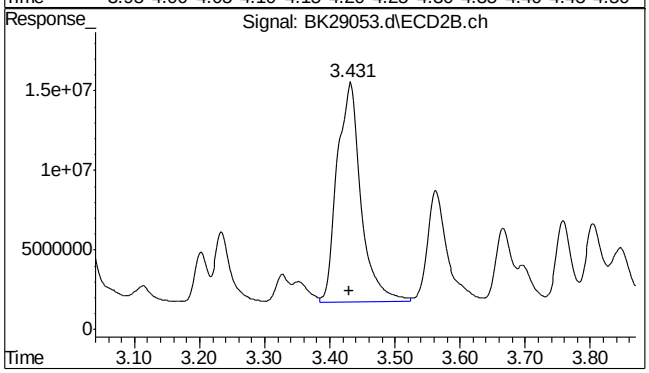
#3 AR1016-B

R.T.: 3.015 min
Delta R.T.: 0.002 min
Response: 177283810
Conc: 591.64 ppb



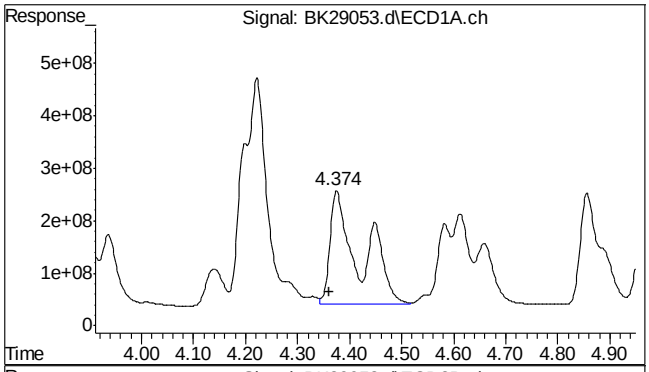
#4 AR1016-C

R.T.: 4.222 min
Delta R.T.: 0.013 min
Response: 13227044445
Conc: 762.06 ppb m



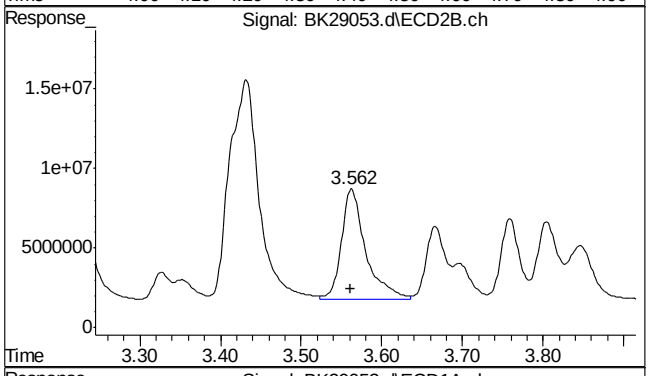
#4 AR1016-C

R.T.: 3.432 min
Delta R.T.: 0.001 min
Response: 353170350
Conc: 611.17 ppb



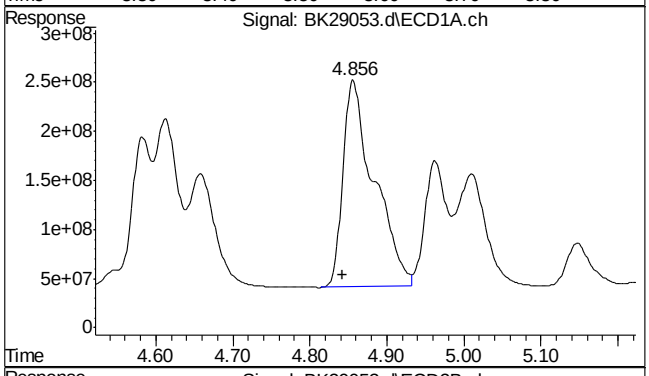
#5 AR1016-D

R.T.: 4.374 min
Delta R.T.: 0.013 min
Response: 8530681269
Conc: 753.95 m



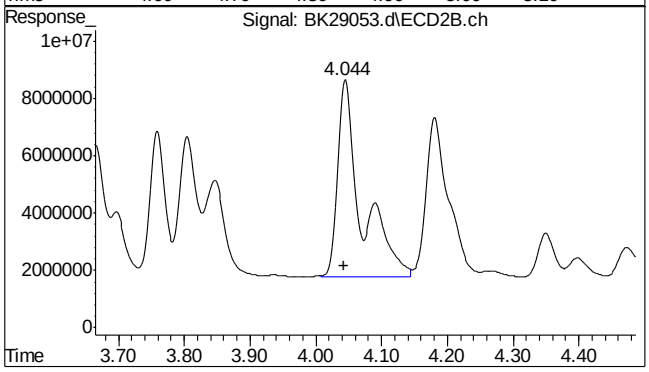
#5 AR1016-D

R.T.: 3.563 min
Delta R.T.: 0.002 min
Response: 146182061
Conc: 653.51



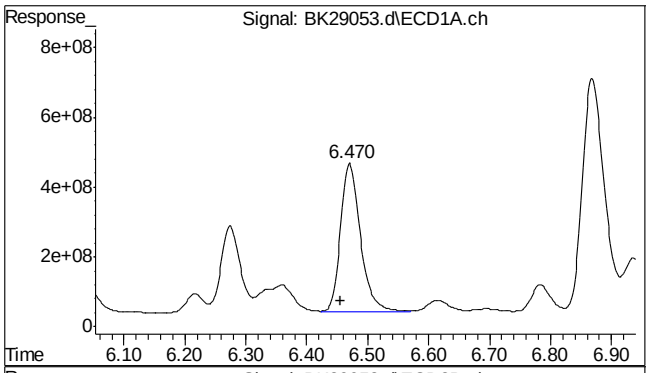
#6 AR1016-E

R.T.: 4.856 min
Delta R.T.: 0.013 min
Response: 5885993628
Conc: 800.37 m



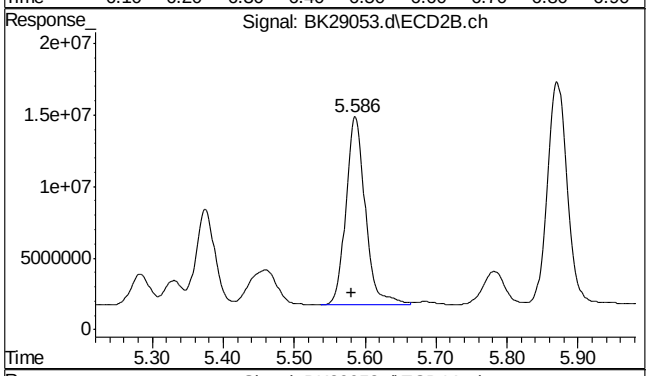
#6 AR1016-E

R.T.: 4.044 min
Delta R.T.: 0.001 min
Response: 170445922
Conc: 612.94 m



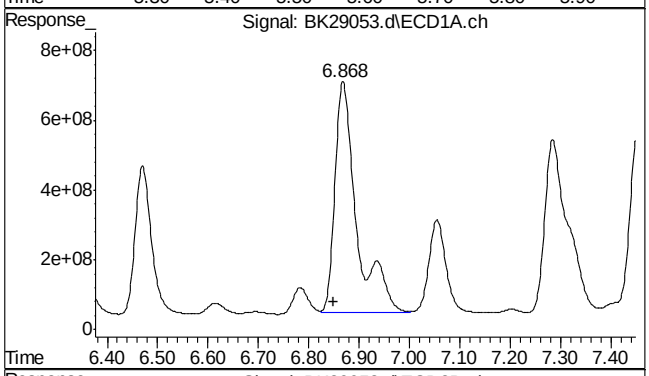
#7 AR1260-A

R.T.: 6.470 min
Delta R.T.: 0.016 min
Response: 9765075266
Conc: 786.29 ppb



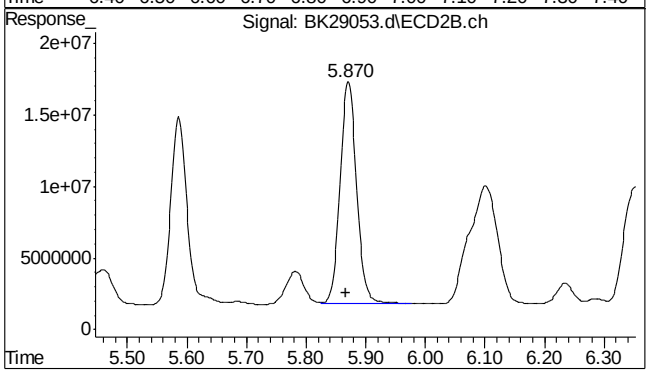
#7 AR1260-A

R.T.: 5.586 min
Delta R.T.: 0.004 min
Response: 249485181
Conc: 632.30 ppb m



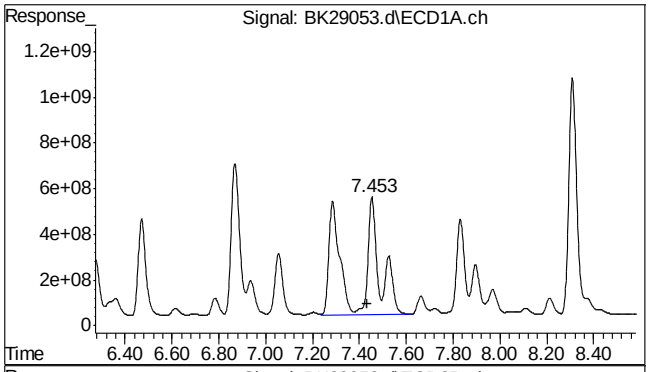
#8 AR1260-B

R.T.: 6.868 min
Delta R.T.: 0.017 min
Response: 19951509559
Conc: 786.16 ppb m



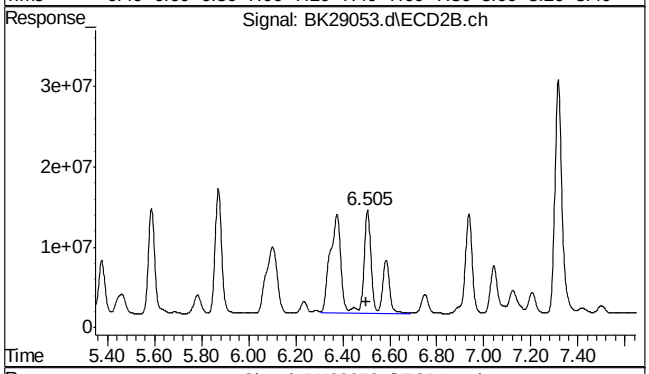
#8 AR1260-B

R.T.: 5.871 min
Delta R.T.: 0.005 min
Response: 299243899
Conc: 644.53 ppb



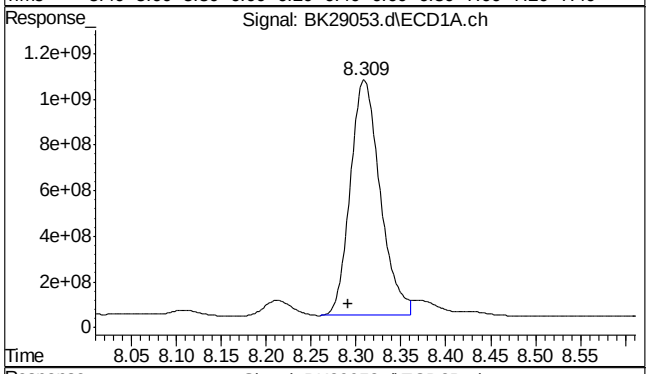
#9 AR1260-C

R.T.: 7.453 min
Delta R.T.: 0.017 min
Response: 34251187726
Conc: 770.99 ppb m



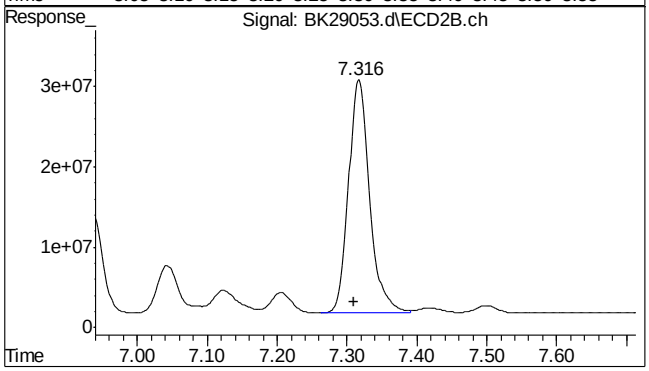
#9 AR1260-C

R.T.: 6.505 min
Delta R.T.: 0.006 min
Response: 783733282
Conc: 660.84 ppb m



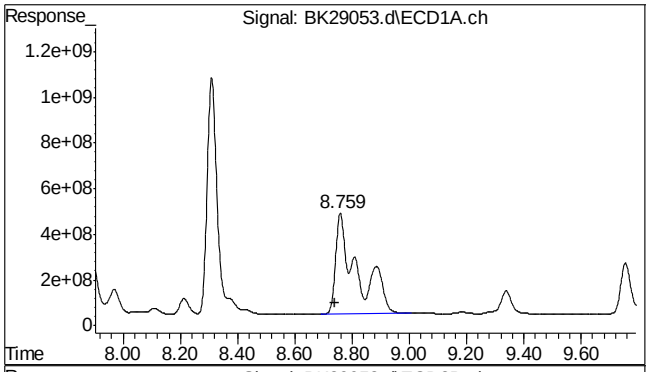
#10 AR1260-D

R.T.: 8.309 min
Delta R.T.: 0.017 min
Response: 23827850175
Conc: 758.44 ppb m



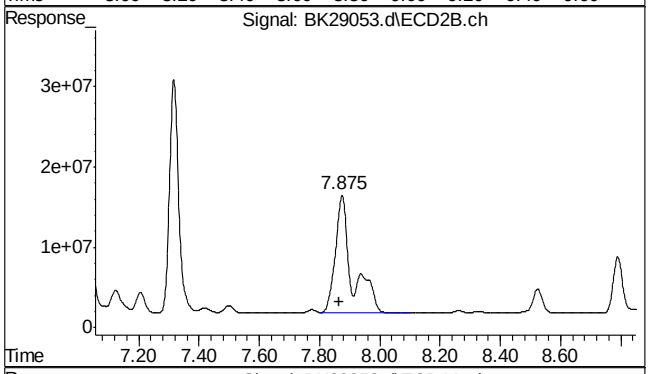
#10 AR1260-D

R.T.: 7.317 min
Delta R.T.: 0.008 min
Response: 612958202
Conc: 683.61 ppb



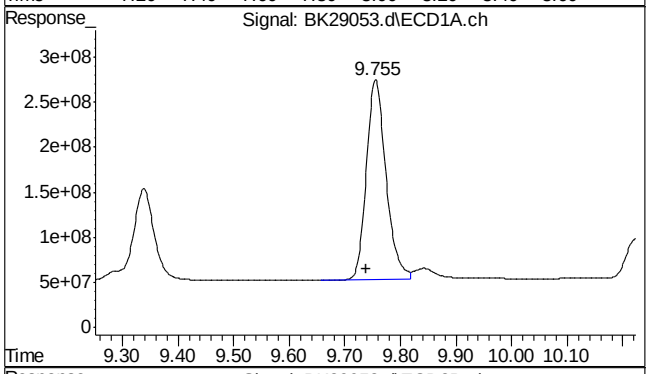
#11 AR1260-E

R.T.: 8.759 min
Delta R.T.: 0.017 min
Response: 22952211769
Conc: 773.48 ppb m



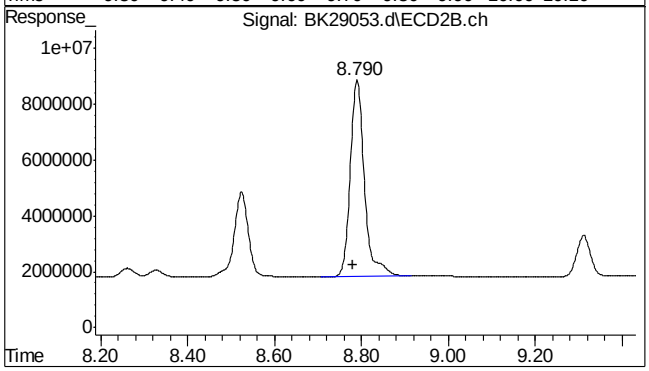
#11 AR1260-E

R.T.: 7.875 min
Delta R.T.: 0.008 min
Response: 571209805
Conc: 659.85 ppb m



#12 AR1260-F

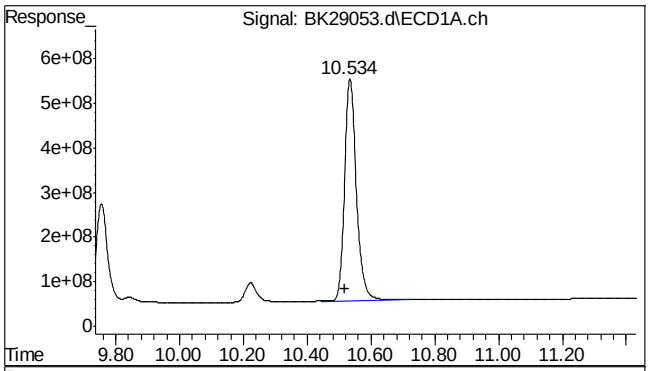
R.T.: 9.756 min
Delta R.T.: 0.016 min
Response: 5456275451
Conc: 748.07



#12 AR1260-F

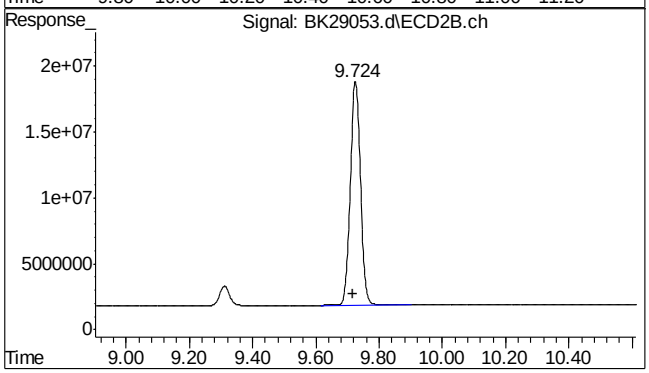
R.T.: 8.790 min
Delta R.T.: 0.009 min
Response: 158589166
Conc: 642.01

11.5.14
11



#13 DCB

R.T.: 10.534 min
Delta R.T.: 0.014 min
Response: 12716447490
Conc: 51.24 ppb m



#13 DCB

R.T.: 9.724 min
Delta R.T.: 0.009 min
Response: 380091147
Conc: 44.34 ppb m

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 9.5.13 Analyst Signature: NK pg 1 of 2

Standard Data

Lot #	Description	Conc
GS17003	A116/160	750 ng/L

NK 9.6.13

Column Information: Front : RTX-5 Alternate:
Rear : RTX-5 Alternate:
Sequence File: 130905
Quantitation Methods: PC130905
Instrument Run Batches: GBK979
Data Acquisition Methods: GC31PCB Inj. Vol: 1 µl
Inj. Vol:

Date of ICAL: 9.5.13 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
62	BK28887	A116/160	NA	P8082	NA	NA	Prime after Maintenance
51	88	ICC979-1000					A116/160 GS17002
52	89	-750					03
53	90	-500					04
54	91	-250					05
55	92	-100					06
56	93	-50					✓ ✓ 07
57	94	-500					A214 GS16990
58	95	-500					A226 ✓ 81
59	96	-500					A408 GS17126
60	97	✓ -500					A48 127
61	98	ICV979-500	✓		✓		A116/160 ✓ 009 ICV OK
1	✓ 99	OP34682-MB	OP34682		S		
2	BK28900	-BS					~~Rerun 1:10~~ NK
3	01	-MS					NK ~~1:10, 1:100~~
4	02	✓ -MSD					NK ~~1:20~~
5	03	MC24044-4D					NK ~~1:5~~ Rerun 1:10
6	04	-42					NK ~~1:5~~ 1:10, 1:100
7	05	-47					1:20
8	06	-49					1:5
9	07	-51					1:5
10	08	✓ -53					✓ 1:5
52	09	CC979-750					A116/160 OK (TG)
11	10	MC24044-56					Rerun 1:5
12	11	-58					1:20
13	12	-60					1:5
14	✓ 13	✓ -62	✓	✓	✓	✓	✓ 1:10, 1:50

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: _____ Lot#: _____

GC014-01
Date: 9/15/10

Review: _____

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 9.5.13 Analyst Signature: NK pg 2 of 2

Standard Data

~~Lot #~~	~~Description~~	~~Conc~~
	SEE PAGE 1	

Column Information: ~~Front : RTX-5 Alternate:~~
Rear : RTX-5 Alternate:
Sequence File:
Quantitation Methods:
Instrument Run Batches:
Data Acquisition Methods: SEE PAGE 1 Inj. Vol:
~~Inj. Vol:~~

Date of ICAL: ICAL Verified Sample positions verified against sequence:

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
15	BK28914	MC24044-64	GP34682	P8082	S	NA	Perm 1:50, 1:100
16	15	-66					1:10
17	16	-68					1:10
18	17	-70					1:20
19	18	-71					
20	19	-73					Perm 1:5
100	20	CCG979-750					A1&160 OK(TG)
21	21	MC24044-75					Perm 1:10, 1:100
100	22	ECG979-750					A1&160 OK(TG)

NK 9.6.13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC014-01
Date: 9/15/10

Review:

ACCUTEST LABORATORIES MC24064

Accutest Laboratories of New England, Inc.

Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 9.10.13

Analyst Signature: NK pg 1 of 2

Standard Data

Lot #	Description	Conc
GS17003	A16/60	750 ug/L

NK 9.11.13

Column Information: Front : RTX-5 Alternate:

Rear : RTX-5 Alternate:

Sequence File: 130910

Quantitation Methods: PC130910

Instrument Run Batches: GBK984

Data Acquisition Methods: GC31PCB Inj. Vol: 1 µl

Inj. Vol:

Date of ICAL: 9.5.13 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext. Batch	Analysis	Matrix	Dilution	Comments
100	BK29031	CC979-750	OP34712	P8082	S	NA	A16/60 OK
1	32	OP34712-MB					
2	33	-BS					
3	34	-MS					
4	35	-MSD					Double spike- RRD manual cal.
5	36	MC24045-57					
16	37	-57				1:5	
6	38	-58				NA	
7	39	-60					
17	40	-60				1:10	
8	41	-61				NA	
100	42	CC979-750					A16/60 OK
9	43	MC24045-63					
18	44	-63				1:50	
10	45	-64				NA	
11	46	MC24023-2					
19	47	-2				1:10	
12	48	-5				NA	
13	49	-7					
14	50	MC24060-1					
15	51	MC24064-1					
20	52	OP34719-MB					
99	53	CC979-750					A16/60 OK(sig)(TG)
21	54	OP34719-BS	OP34719				
22	55	-MS					
23	56	-MSD					
24	57	MC24052-1					

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: DiMeSulfoxide/Hex Lot#: 1709494

GC014-01
Date: 9/15/10

Review:

ACCUTEST LABORATORIES MC24064

11.6.2 11

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 9.10.13 Analyst Signature: NK pg 2 of 2

Standard Data

Lot #	Description	Conc
SEE PAGE 1		

Column Information: ~~Front : RTX-5 Alternate:~~
Rear : RTX-5 Alternate:
Sequence File:
Quantitation Methods:
Instrument Run Batches:
Data Acquisition Methods: SEE PAGE 1 Inj. Vol: ~~Inj. Vol:~~

Date of ICAL: ICAL Verified Sample positions verified against sequence:

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
25	BK29058	MC24052-2	OP34719	P8082	S	NA	
26	59	-3					
27	60	-4					
28	61	-6					
29	62	MC24047-1					MC24047-1
30	63	MC24125-1					
99	64	CC979-750					AR/60 OK
31	65	MC24052-5					
32	66	-7					
33	67	MC24125-2					
34	68	MC24126-1					
35	69	-3					
36	70	MC24102-1					
37	71	-2					
99	72	CC979-750					AR/60 OK

9.11.13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC014-01
Date: 9/15/10

Review:

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11.6.2 11

ACCUTEST LABORATORIES

Approximate Gram weight equals +/- 0.5g

Extracted by: NE
Spike Witness: MK
Concentrated by: AJ
Fractionated by:

Date/Time: 9/6/2013
Date/Time:
Batch: OP34712
Matrix: **Soil/Solid**; Sand Lot:
Analysis Method: P8082PCB, P8082RCP
Waste Dilution: SW3580 (Micro) SW 3546 #1

Extraction Method: Soxhlet: SW 3540C | ASE #1 SW 3545A | ASE #2 SW 3545A | ASE #3 SW3545A | ASE # 4 SW3545A | Sonicate SW3550B

	Sample	Bottle No.	ASE Position	Initial Weight (g)	Final Volume (ml)	**Cleanup/Comments (3660B, 3630, 3665, other)	Received by: Date:
1	OP34712 MB	n/a	n/a	15.34	10.0		9/9/13 HV
2	↓ BS	↓		15.82			
3	mc24045-61ms	1		15.36		Sand | Dirt | Rocks	
4	↓ -61msd			15.46		↓ ↓ ↓ Possible double spk	
5	mc24045-57			15.30		↓ ↓ ↓	
6	-58			15.52		↓ ↓ ↓	
7	-60			15.28		↓ ↓ ↓	
8	-61			15.39		↓ ↓ ↓	
9	-63			15.58		↓ ↓ ↓	
10	↓ -64	↓		15.39		↓ ↓ ↓	
11	mc24023-2	2		5.79		very wet Rocks	
12	↓ -5	↓		15.23		clay | Rocks	
13	↓ -7	↓		15.24			
14	mc24060-1	2		15.93		very wet Sand	
15	mc24064-1	↓	↓	15.69		(very) wet Sand | clay | rocks	↓
16							
17							
18							
19							
20							
21							
22						AJ 09/09/13	
23							
24							
25							

Fraction	Bottle #	Lot #	Concentration	Volume
Surrogate: PCB	4	P069935	4.0 ug/ml	100ml
Surrogate:				
Spike: PCB	2	P069946	40.0 ug/ml	100ml
Spike:				
Spike:				
Spike:				
Spike:				
Hexane Frac. Volume:	NA	NA	NA	
Soxhlet Start/Stop Date/Time:		Filter Paper Lot #	5843	

H2SO4 Lot #	J.T. Baker 43560
Ether:	
MeCl2:	101997
Hexane:	J.T. Baker 47029
MeCl2/Acetone:	
Acetone:	133706
Acetonitrile:	
Na Sulfate Lot #:	B-783
Silica Lot #:	
SPE MFG/Lot #:	
Copper:	14407 LEV Aldrich
Hydromatrix:	
Florisil:	
Sand Lot #:	

Balance ID: MCC-8
Water Bath Temp: 40C Water Bath ID: 023
Laboratory Percent Humidity:

*Note volume of extract: N = Normal, L = Low

Reviewed by:

Tray #: GC-42

** Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup; 3620 = Florisil
**For Soxhlet extraction document date/time started and finished

OP001-16 (10/23/12)

11.7.1 11

New England ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: MC24064
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MC24064-1 **Analyzed:** 06-SEP-13 by MC **Method:** SM21 2540 B MOD.
ClientID: LBA-MW-28-(17-17.3)

Wet Weight (Total)	31.839	g
Tare Weight	19.815	g
Dry Weight (Total)	29.404	g
Solids, Percent	79.7	%

New England ACCUTEST LABORATORIES

10/28/13

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC24774

Sampling Dates: 09/24/13 - 09/25/13

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **178**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) ISO 17025:2005 (L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC24774

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC24774-1	09/24/13	10:40	MF	09/26/13	SO	Soil	EPT-SB-LASA401-0008
MC24774-4	09/25/13	09:05	MF	09/26/13	SO	Soil	EPT-SB-LASA405-85

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environmental & Energy **Job No** MC24774

Site: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca **Report Date** 10/7/2013 4:28:02 PM

2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on between 09/24/2013 and 09/25/2013 and were received at Accutest on 09/26/2013 properly preserved, at 4.2 Deg. C and intact. These Samples received an Accutest job number of MC24774. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** MSM2079

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC24774-1MS, MC24774-1MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for 2-Butanone (MEK), Acetone are outside control limits. Blank Spike meets program technical requirements.
- Matrix Spike Recovery(s) for 1,1,2,2-Tetrachloroethane, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, 1,2-Dichlorobenzene, 1,2-Dichloropropane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Acetone, Bromoform, Chlorobenzene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dichlorodifluoromethane, Ethylbenzene, Isopropylbenzene, Styrene, Tetrachloroethene, Toluene, trans-1,3-Dichloropropene, Xylene (total) are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Butanone (MEK), Acetone, Chlorobenzene, Ethylbenzene, Isopropylbenzene, Styrene, Xylene (total) are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- RPD(s) for MSD for 2-Hexanone are outside control limits for sample MC24774-1MSD. High RPD due to possible matrix interference and/or sample non-homogeneity.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix: SO **Batch ID:** GN44548

- Sample(s) JB46929-9UDUP were used as the QC samples for Solids, Percent.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC24774).

Summary of Hits

Job Number: MC24774
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 09/24/13 thru 09/25/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC24774-1	**EPT-SB-LASA401-0008**					
Acetone		82.7	11	4.4	ug/kg	SW846 8260B
Carbon disulfide		0.86 J	5.6	0.17	ug/kg	SW846 8260B
Toluene		0.61 J	5.6	0.27	ug/kg	SW846 8260B
Trichloroethene		25.0	2.3	0.53	ug/kg	SW846 8260B
MC24774-4	**EPT-SB-LASA405-85**					
Benzene		0.71	0.50	0.25	ug/kg	SW846 8260B
Cyclohexane		2.1 J	5.0	0.27	ug/kg	SW846 8260B
Methylcyclohexane		3.4 J	5.0	0.21	ug/kg	SW846 8260B
Methylene chloride		1.6 J	2.0	1.5	ug/kg	SW846 8260B
Toluene		1.3 J	5.0	0.24	ug/kg	SW846 8260B
Xylene (total)		0.96 J	2.0	0.21	ug/kg	SW846 8260B
Total TIC, Volatile		39.7 J			ug/kg	

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@143132 13:31 28-Oct-2013

Report of Analysis

Client Sample ID:	EPT-SB-LASA401-0008		
Lab Sample ID:	MC24774-1	**Date Sampled:**	09/24/13
Matrix:	SO - Soil	**Date Received:**	09/26/13
Method:	SW846 8260B	**Percent Solids:**	90.7
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M59981.D	1	10/06/13	KD	n/a	n/a	MSM2079
Run #2							

	Initial Weight	Final Volume
Run #1	4.89 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	82.7	11	4.4	ug/kg	
71-43-2	Benzene	ND	0.56	0.28	ug/kg	
75-27-4	Bromodichloromethane	ND	2.3	0.41	ug/kg	
75-25-2	Bromoform	ND	2.3	0.33	ug/kg	
74-83-9	Bromomethane	ND	2.3	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.6	3.5	ug/kg	
75-15-0	Carbon disulfide	0.86	5.6	0.17	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.3	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.30	ug/kg	
75-00-3	Chloroethane	ND	5.6	0.68	ug/kg	
67-66-3	Chloroform	ND	2.3	0.33	ug/kg	
74-87-3	Chloromethane	ND	5.6	1.4	ug/kg	
110-82-7	Cyclohexane	ND	5.6	0.30	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.3	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.48	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.3	0.64	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.3	0.24	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.3	0.25	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.3	0.23	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.3	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.3	0.37	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.3	0.61	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.3	0.59	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.3	0.57	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.3	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.48	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.33	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.33	ug/kg	
100-41-4	Ethylbenzene	ND	2.3	0.20	ug/kg	
76-13-1	Freon 113	ND	5.6	1.0	ug/kg	
591-78-6	2-Hexanone	ND	5.6	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	5.6	0.31	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-SB-LASA401-0008		
Lab Sample ID:	MC24774-1	**Date Sampled:**	09/24/13
Matrix:	SO - Soil	**Date Received:**	09/26/13
Method:	SW846 8260B	**Percent Solids:**	90.7
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.6	3.1	ug/kg	
108-87-2	Methylcyclohexane	ND	5.6	0.24	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.3	0.45	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.6	2.1	ug/kg	
75-09-2	Methylene chloride	ND	2.3	1.7	ug/kg	
100-42-5	Styrene	ND	5.6	0.23	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.33	ug/kg	
127-18-4	Tetrachloroethene	ND	2.3	0.50	ug/kg	
108-88-3	Toluene	0.61	5.6	0.27	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	0.41	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.20	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.39	ug/kg	
79-01-6	Trichloroethene	25.0	2.3	0.53	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.3	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	0.64	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		70-130%
2037-26-5	Toluene-D8	83%		70-130%
460-00-4	4-Bromofluorobenzene	95%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@143132 13:31 28-Oct-2013

Report of Analysis

Client Sample ID:	EPT-SB-LASA405-85		
Lab Sample ID:	MC24774-4	**Date Sampled:**	09/25/13
Matrix:	SO - Soil	**Date Received:**	09/26/13
Method:	SW846 8260B	**Percent Solids:**	96.6
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M59982.D	1	10/06/13	KD	n/a	n/a	MSM2079
Run #2							

	Initial Weight	Final Volume
Run #1	5.16 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.9	ug/kg	
71-43-2	Benzene	0.71	0.50	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.36	ug/kg	
75-25-2	Bromoform	ND	2.0	0.29	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.98	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.2	ug/kg	
110-82-7	Cyclohexane	2.1	5.0	0.27	ug/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.52	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.0	0.92	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.28	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-SB-LASA405-85		
Lab Sample ID:	MC24774-4	**Date Sampled:**	09/25/13
Matrix:	SO - Soil	**Date Received:**	09/26/13
Method:	SW846 8260B	**Percent Solids:**	96.6
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.8	ug/kg	
108-87-2	Methylcyclohexane	3.4	5.0	0.21	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.9	ug/kg	
75-09-2	Methylene chloride	1.6	2.0	1.5	ug/kg	J
100-42-5	Styrene	ND	5.0	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.30	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.44	ug/kg	
108-88-3	Toluene	1.3	5.0	0.24	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.48	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	1.1	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.57	ug/kg	
1330-20-7	Xylene (total)	0.96	2.0	0.21	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		70-130%
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	91%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
78-78-4	Butane, 2-methyl-	6.07	13	ug/kg	JN
109-66-0	Pentane	6.49	13	ug/kg	JN
107-83-5	Pentane, 2-methyl-	7.84	7.2	ug/kg	JN
110-54-3	Hexane	8.46	6.5	ug/kg	JN
	Total TIC, Volatile		39.7	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY RECORD

Page 1 of 1

Nº 03916

mc24774

Project Number:	Site and Location:
9255	EPT Ithaca
Contact Name:	**Contact Email:**
Lisa Bryda	lisa.bryda@wspgroup.com
Sampler's Name:	**Sampler's Signature:**
MFleming	

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

Sample Identification:	Depth	Date	Time	Matrix	Number of Containers		Remarks
~~EPT-LASA~~							
EPT-SB-LASA401-0008	0.8	9/23/13	1040	S	1	TBD	-1
EPT-SB-LASA402-10108	10.5-10.8	9/24/13	1145		1		-2
EPT-SB-LASA403-0335	3-3.5	9/24/13	1220		1		-3 See attached TO
EPT-SB-LASA405-85	8.5	9/25/13	0905		1		-4 for methods and
EPT-SB-LASA406-12	1		0945		1		-5 requirements for
EPT-SB-LASA407-0203	0.2-0.3		0955		1		-6 D deliverables
EPT-SB-LASA408-1819	1.8-1.9		1015		1		-7
EPT-SB-LASA409-0809	0.8-0.9		1030		1	HOLD -analyses	-8
							8B,

Relinquished by (Signature):	9/25/13 1440 Date | Time	Received by (Signature):	Laboratory Name: Accutest
Relinquished by (Signature):	Date | Time	Received by (Signature):	Laboratory Location: Mass
Turn-Around Time: FEDX	9-26-13 Date | Time	Tracking Number:	Custody Seal Numbers: NA
			Method of Shipment: Accutest courier

SYRACUSE SC
WSP
WSP Environment & Energy

- ☐ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 334 Elizabeth Ave., Somerset, NJ 08873 / Tel: 732-564-0888
- ☐ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Boxborough Office: 1740 Massachusetts Ave., Boxborough, MA 01719 / Tel: 978-635-9600
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

4.2 °C

MC24774: Chain of Custody
Page 1 of 5

WSP

Laboratory Task Order - Revised

Date: 7/26/2013

Laboratory Name: Accutest

WSP Project Name: Emerson Power Transmission, Ithaca, New York

WSP Project Manager Contact Information: Scott Haitz

Terms & Conditions/Cost Reference: Master Services Agreement between WSP and Laboratory (MSA; executed on April 16, 2013). Note: this Task Order is incorporated by reference into the MSA and is subject to all terms and conditions therein.

WSP Project & Task Numbers: 4255/05

Task Description: Real-Estate Transaction Due Diligence Oversight

The following work is to be completed under this Task Order:

The Laboratory will provide sampling containers and supplies including coolers, sample containers, preservatives (as required), chain-of-custody forms, trip blanks, custody seals, return labels, packing material, and 1 liter of analyte-free water for the following analysis and number of samples:

Parameters	Method	Number of Samples
Soil		
VOCs	*EPA Method 5035/8260 (en-cores)*	*10*
SVOCs	*EPA Method 8270*	*10*
RCRA Metals & Cyanide	*EPA 6010/7471*	*10*
PCBs	*EPA 8082*	*5*
Pesticides	*EPA 8081*	*5*

The Laboratory shall ship the containers and supplies to the location listed below for delivery no later than Tuesday July 30, 2013 at 9:00 A.M.

Erik Reinert c/o Lenny Dodge
Emerson Power Transmission
620 South Aurora Street
Ithaca, NY 14850

The following are project-specific details to be followed:

If samples are analytically screened and results indicate an elevated level of an analyte, the sample must be analyzed without dilution. Samples within the calibration range of the undiluted sample are to be reported from the initial analysis (i.e., undiluted sample). For analytes with concentrations outside the calibration range, the sample is to be diluted and then analyzed. The

WSP USA Corp.
11190 Sunrise Valley Drive, Suite 300
Reston, VA 20191
Tel: (703) 709-6500
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www.wspenvironmental.com/usa

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Offices worldwide

MC24774: Chain of Custody
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results for the diluted analysis also are to be reported. If the laboratory has a concern about the analyte concentration, the purge amount of the sample may be changed to reduce the reporting limits. For example, a sample may be purged at 25 ml instead of 5 ml; however, the laboratory still must achieve the required reporting limit. In summary, the laboratory must make every effort to meet the required reporting limits for the majority of the analytes. Any results with reporting limits greater than the screening criteria require prior notification and an explanation as to the effort taken by the laboratory.

In addition:

- Detection limits outlined in the specific analytical methods are to be used.
- Bottle requirements shall be in accordance with method requirements.
- VOCs reporting list shall be Accutest's TCL list (TCL42) plus up to 20 Tentatively Identified Compounds (TICs).
- Metals to be reported shall be the Resource Conservation and Recovery Act (RCRA) metals + cyanide.
- SVOCs reporting list shall be Accutest's TCL list (ABTCL ALL) plus up to the 20 TICs.
- PCBs reporting shall be from Accutest's PCB List (PCB All).
- Pesticides reporting shall be from Accutest's Pesticide TCL List (PTCL All).
- The Data Package will include a full WSP Level III package in compliance with NYSDEC ASP Category B requirements. The electronic data deliverable (EDD) shall be in the format of the NYSDEC EQUIS guidelines, including all data qualifiers. The EDD and final data package are to be sent to Erik Reinert via electronic submission (e.g., Lablink).
- The data MUST BE reported to the Method Detection Limit.
- A QA check of the data deliverable summary form and the EDD shall be performed before the package or EDD is sent, to ensure the following:
  1. results appear in EDD exactly as they appear in the final Data Package
  2. consistency in concentrations, qualifiers, and detection limits reported
  3. no rounding error discrepancies occur
  4. **sample identifications must appear in the EDD exactly as they appear on the chain-of-custody**, no additional text is added to sample identifications; do not truncate sample identifications; if a sample identification, as recorded on the chain-of-custody, is too long for the character restriction for the corresponding EDD field, increase the number of characters to accommodate the sample identification for this field
  5. limit 1 and limit 2 fields are correctly populated (MDL reported in the Limit1 field and Reporting Limit in the Limit2 field)
  6. no extraneous text in the concentration field
  7. detection limits always completed
  8. dilution column always completed when required

Task Invoicing:

Laboratory is to submit invoices to WSP USA Corp., Attention: **Environmental Accounts Payable**, 512 Seventh Avenue, 13th Floor, New York, NY 10018.

A copy of the final invoice should also be e-mailed to Erik Reinert (erik.reinert@wspgroup.com).

Task Schedule: Sampling will commence on July 30, 2013. A standard turn-around time of 7 business days is requested.

The work described in this Task Order is authorized by:

WSP Signature:

Printed Name: Erik Reinert

Date: 7/25/13

The work described in this Task Order is accepted by:

Laboratory Signature: _____

Printed Name: _____

Title: _____

Date: _____

Please sign and return the original of this Task Order to Erik Reinert of WSP.

REV. 2/6/2013

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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC24774 **Client:** WSP **Immediate Client Services Action Required:** No

Date / Time Received: 9/26/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: 4255 **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control -Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

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Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC24774

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC24774-1 Collected: 24-SEP-13 10:40 By: MF			Received: 26-SEP-13 By: AF			
EPT-SB-LASA401-0008						
MC24774-1	SM21 2540 B MOD.	03-OCT-13	HS			%SOL
MC24774-1	SW846 8260B	06-OCT-13 12:09	KD			V8260TCL42+
MC24774-4 Collected: 25-SEP-13 09:05 By: MF			Received: 26-SEP-13 By: AF			
EPT-SB-LASA405-85						
MC24774-4	SM21 2540 B MOD.	03-OCT-13	HS			%SOL
MC24774-4	SW846 8260B	06-OCT-13 12:39	KD			V8260TCL42+

Accutest Internal Chain of Custody

Job Number: MC24774
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 09/26/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC24774-1.1	Walk In Ref #5	Krysten Dufort	10/06/13 10:39	Retrieve from Storage
MC24774-1.1	Krysten Dufort	Walk In Ref #5	10/06/13 10:39	Return to Storage
MC24774-4.1	Walk In Ref #5	Krysten Dufort	10/06/13 10:39	Retrieve from Storage
MC24774-4.1	Krysten Dufort	Walk In Ref #5	10/06/13 10:39	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC24774
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2079-MB	M59978.D	1	10/06/13	KD	n/a	n/a	MSM2079

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24774-1, MC24774-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.9	ug/kg	
71-43-2	Benzene	ND	0.50	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.36	ug/kg	
75-25-2	Bromoform	ND	2.0	0.29	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.97	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.2	ug/kg	
110-82-7	Cyclohexane	ND	5.0	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.52	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.0	0.92	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.28	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.8	ug/kg	
108-87-2	Methylcyclohexane	ND	5.0	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.8	ug/kg	

Method Blank Summary

Job Number: MC24774
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2079-MB	M59978.D	1	10/06/13	KD	n/a	n/a	MSM2079

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24774-1, MC24774-4

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	1.5	ug/kg	
100-42-5	Styrene	ND	5.0	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.44	ug/kg	
108-88-3	Toluene	ND	5.0	0.24	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.47	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.20	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	84%	70-130%
2037-26-5	Toluene-D8	83%	70-130%
460-00-4	4-Bromofluorobenzene	89%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: MC24774
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2079-BS	M59975.D	1	10/06/13	KD	n/a	n/a	MSM2079

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24774-1, MC24774-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	67.8	136* [a]	70-130
71-43-2	Benzene	50	50.3	101	70-130
75-27-4	Bromodichloromethane	50	52.1	104	70-130
75-25-2	Bromoform	50	49.1	98	70-130
74-83-9	Bromomethane	50	53.8	108	70-130
78-93-3	2-Butanone (MEK)	50	71.9	144* [a]	70-130
75-15-0	Carbon disulfide	50	56.1	112	70-130
56-23-5	Carbon tetrachloride	50	57.2	114	70-130
108-90-7	Chlorobenzene	50	47.2	94	70-130
75-00-3	Chloroethane	50	57.1	114	70-130
67-66-3	Chloroform	50	57.3	115	70-130
74-87-3	Chloromethane	50	54.3	109	70-130
110-82-7	Cyclohexane	50	49.4	99	70-130
96-12-8	1,2-Dibromo-3-chloropropane	50	40.0	80	70-130
124-48-1	Dibromochloromethane	50	48.0	96	70-130
106-93-4	1,2-Dibromoethane	50	46.0	92	70-130
95-50-1	1,2-Dichlorobenzene	50	47.2	94	70-130
541-73-1	1,3-Dichlorobenzene	50	48.7	97	70-130
106-46-7	1,4-Dichlorobenzene	50	50.8	102	70-130
75-71-8	Dichlorodifluoromethane	50	39.1	78	70-130
75-34-3	1,1-Dichloroethane	50	58.6	117	70-130
107-06-2	1,2-Dichloroethane	50	50.7	101	70-130
75-35-4	1,1-Dichloroethene	50	54.3	109	70-130
156-59-2	cis-1,2-Dichloroethene	50	51.4	103	70-130
156-60-5	trans-1,2-Dichloroethene	50	54.7	109	70-130
78-87-5	1,2-Dichloropropane	50	50.0	100	70-130
10061-01-5	cis-1,3-Dichloropropene	50	49.7	99	70-130
10061-02-6	trans-1,3-Dichloropropene	50	52.9	106	70-130
100-41-4	Ethylbenzene	50	48.6	97	70-130
76-13-1	Freon 113	50	57.8	116	70-130
591-78-6	2-Hexanone	50	58.4	117	70-130
98-82-8	Isopropylbenzene	50	47.1	94	70-130
79-20-9	Methyl Acetate	50	39.8	80	33-141
108-87-2	Methylcyclohexane	50	52.9	106	78-140
1634-04-4	Methyl Tert Butyl Ether	50	50.9	102	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	48.2	96	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC24774
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2079-BS	M59975.D	1	10/06/13	KD	n/a	n/a	MSM2079

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24774-1, MC24774-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
75-09-2	Methylene chloride	50	56.4	113	70-130
100-42-5	Styrene	50	47.8	96	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	45.1	90	70-130
127-18-4	Tetrachloroethene	50	50.9	102	70-130
108-88-3	Toluene	50	52.6	105	70-130
120-82-1	1,2,4-Trichlorobenzene	50	48.0	96	70-130
71-55-6	1,1,1-Trichloroethane	50	59.1	118	70-130
79-00-5	1,1,2-Trichloroethane	50	49.2	98	70-130
79-01-6	Trichloroethene	50	49.9	100	70-130
75-69-4	Trichlorofluoromethane	50	55.3	111	70-130
75-01-4	Vinyl chloride	50	43.6	87	70-130
1330-20-7	Xylene (total)	150	144	96	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	83%	70-130%
2037-26-5	Toluene-D8	82%	70-130%
460-00-4	4-Bromofluorobenzene	81%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24774
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC24774-1MS	M59983.D	1	10/06/13	KD	n/a	n/a	MSM2079
MC24774-1MSD	M59984.D	1	10/06/13	KD	n/a	n/a	MSM2079
MC24774-1	M59981.D	1	10/06/13	KD	n/a	n/a	MSM2079

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24774-1, MC24774-4

CAS No.	Compound	MC24774-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	82.7		58.2	114	54* [a]	121	64* [a]	6	70-130/30
71-43-2	Benzene	ND		58.2	40.8	70	51.9	87	24	70-130/30
75-27-4	Bromodichloromethane	ND		58.2	40.7	70	51.6	87	24	70-130/30
75-25-2	Bromoform	ND		58.2	35.3	61* [a]	45.7	77	26	70-130/30
74-83-9	Bromomethane	ND		58.2	51.3	88	61.0	103	17	70-130/30
78-93-3	2-Butanone (MEK)	ND		58.2	62.4	107	83.8	141* [a]	29	70-130/30
75-15-0	Carbon disulfide	0.86	J	58.2	50.5	85	60.6	101	18	70-130/30
56-23-5	Carbon tetrachloride	ND		58.2	50.6	87	63.0	106	22	70-130/30
108-90-7	Chlorobenzene	ND		58.2	28.9	50* [a]	36.6	62* [a]	24	70-130/30
75-00-3	Chloroethane	ND		58.2	56.5	97	67.8	114	18	70-130/30
67-66-3	Chloroform	ND		58.2	48.9	84	61.7	104	23	70-130/30
74-87-3	Chloromethane	ND		58.2	53.1	91	63.5	107	18	70-130/30
110-82-7	Cyclohexane	ND		58.2	40.3	69* [a]	48.8	82	19	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		58.2	35.4	61* [a]	46.0	77	26	70-130/30
124-48-1	Dibromochloromethane	ND		58.2	35.7	61* [a]	46.7	79	27	70-130/30
106-93-4	1,2-Dibromoethane	ND		58.2	36.5	63* [a]	47.8	80	27	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		58.2	18.1	31* [a]	22.6	38* [a]	22	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		58.2	18.5	32* [a]	23.0	39* [a]	22	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		58.2	19.3	33* [a]	24.2	41* [a]	23	70-130/30
75-71-8	Dichlorodifluoromethane	ND		58.2	39.0	67* [a]	50.9	86	26	70-130/30
75-34-3	1,1-Dichloroethane	ND		58.2	52.0	89	65.5	110	23	70-130/30
107-06-2	1,2-Dichloroethane	ND		58.2	42.3	73	53.6	90	24	70-130/30
75-35-4	1,1-Dichloroethene	ND		58.2	52.4	90	63.0	106	18	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		58.2	42.4	73	54.9	92	26	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		58.2	46.7	80	60.0	101	25	70-130/30
78-87-5	1,2-Dichloropropane	ND		58.2	40.2	69* [a]	51.2	86	24	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		58.2	36.9	63* [a]	46.2	78	22	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		58.2	37.2	64* [a]	48.4	81	26	70-130/30
100-41-4	Ethylbenzene	ND		58.2	29.6	51* [a]	37.0	62* [a]	22	70-130/30
76-13-1	Freon 113	ND		58.2	59.4	102	71.3	120	18	70-130/30
591-78-6	2-Hexanone	ND		58.2	48.9	84	67.2	113	32* [b]	70-130/30
98-82-8	Isopropylbenzene	ND		58.2	25.2	43* [a]	30.6	51* [a]	19	70-130/30
79-20-9	Methyl Acetate	ND		58.2	37.0	64	47.7	80	25	30-160/30
108-87-2	Methylcyclohexane	ND		58.2	31.4	54	39.0	66	22	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		58.2	47.5	82	59.0	99	22	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		58.2	56.5	97	74.7	126	28	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24774
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC24774-1MS	M59983.D	1	10/06/13	KD	n/a	n/a	MSM2079
MC24774-1MSD	M59984.D	1	10/06/13	KD	n/a	n/a	MSM2079
MC24774-1	M59981.D	1	10/06/13	KD	n/a	n/a	MSM2079

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24774-1, MC24774-4

CAS No.	Compound	MC24774-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	ND		58.2	48.2	83	59.0	99	20	70-130/30
100-42-5	Styrene	ND		58.2	11.6	20* [a]	13.9	23* [a]	18	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		58.2	38.9	67* [a]	49.9	84	25	70-130/30
127-18-4	Tetrachloroethene	ND		58.2	33.5	58* [a]	42.6	72	24	70-130/30
108-88-3	Toluene	0.61	J	58.2	39.1	66* [a]	49.3	82	23	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		58.2	11.2	19* [a]	13.7	23* [a]	20	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		58.2	53.7	92	66.9	113	22	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		58.2	40.7	70	52.0	87	24	70-130/30
79-01-6	Trichloroethene	25.0		58.2	69.1	76	80.1	93	15	70-130/30
75-69-4	Trichlorofluoromethane	ND		58.2	54.5	94	66.1	111	19	70-130/30
75-01-4	Vinyl chloride	ND		58.2	43.8	75	52.0	87	17	70-130/30
1330-20-7	Xylene (total)	ND		174	81.0	46* [a]	103	58* [a]	24	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC24774-1	Limits
1868-53-7	Dibromofluoromethane	85%	85%	87%	70-130%
2037-26-5	Toluene-D8	83%	82%	83%	70-130%
460-00-4	4-Bromofluorobenzene	87%	88%	95%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(b) High RPD due to possible matrix interference and/or sample non-homogeneity.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC24774
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSM2064-BFB
Lab File ID: M59583.D
Instrument ID: GCMSM
Injection Date: 09/25/13
Injection Time: 20:29

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	24424	21.6		Pass
75	30.0 - 60.0% of mass 95	51645	45.6		Pass
95	Base peak, 100% relative abundance	113163	100.0		Pass
96	5.0 - 9.0% of mass 95	7923	7.00		Pass
173	Less than 2.0% of mass 174	1259	1.11	(1.09) [a]	Pass
174	50.0 - 150.0% of mass 95	115048	101.7		Pass
175	5.0 - 9.0% of mass 174	8329	7.36	(7.24) [a]	Pass
176	95.0 - 101.0% of mass 174	110221	97.4	(95.8) [a]	Pass
177	5.0 - 9.0% of mass 176	7171	6.34	(6.51) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM2064-IC2064	M59584.D	09/25/13	20:58	00:29	Initial cal 2
MSM2064-IC2064	M59585.D	09/25/13	21:27	00:58	Initial cal 0.5
MSM2064-IC2064	M59586.D	09/25/13	21:57	01:28	Initial cal 5
MSM2064-IC2064	M59587.D	09/25/13	22:26	01:57	Initial cal 10
MSM2064-IC2064	M59588.D	09/25/13	22:55	02:26	Initial cal 20
MSM2064-ICC2064	M59589.D	09/25/13	23:24	02:55	Initial cal 50
MSM2064-IC2064	M59590.D	09/25/13	23:53	03:24	Initial cal 100
MSM2064-IC2064	M59591.D	09/26/13	00:23	03:54	Initial cal 200
MSM2064-IC2064	M59592.D	09/26/13	00:52	04:23	Initial cal 400

Instrument Performance Check (BFB)

Job Number: MC24774
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSM2079-BFB
Lab File ID: M59974.D
Instrument ID: GCMSM
Injection Date: 10/06/13
Injection Time: 08:42

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	15960	22.0		Pass
75	30.0 - 60.0% of mass 95	32403	44.7		Pass
95	Base peak, 100% relative abundance	72543	100.0		Pass
96	5.0 - 9.0% of mass 95	4813	6.63		Pass
173	Less than 2.0% of mass 174	848	1.17	(1.16) [a]	Pass
174	50.0 - 150.0% of mass 95	73358	101.1		Pass
175	5.0 - 9.0% of mass 174	5311	7.32	(7.24) [a]	Pass
176	95.0 - 101.0% of mass 174	70803	97.6	(96.5) [a]	Pass
177	5.0 - 9.0% of mass 176	4399	6.06	(6.21) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM2079-CC2064	M59974.D	10/06/13	08:42	00:00	Continuing cal 50
MSM2079-BS	M59975.D	10/06/13	09:11	00:29	Blank Spike
MSM2079-MB	M59978.D	10/06/13	10:40	01:58	Method Blank
ZZZZZZ	M59979.D	10/06/13	11:10	02:28	(unrelated sample)
ZZZZZZ	M59980.D	10/06/13	11:40	02:58	(unrelated sample)
MC24774-1	M59981.D	10/06/13	12:09	03:27	EPT-SB-LASA401-0008
MC24774-4	M59982.D	10/06/13	12:39	03:57	EPT-SB-LASA405-85
MC24774-1MS	M59983.D	10/06/13	13:08	04:26	Matrix Spike
MC24774-1MSD	M59984.D	10/06/13	13:38	04:56	Matrix Spike Duplicate
ZZZZZZ	M59985.D	10/06/13	14:08	05:26	(unrelated sample)
ZZZZZZ	M59986.D	10/06/13	14:37	05:55	(unrelated sample)
ZZZZZZ	M59987.D	10/06/13	15:07	06:25	(unrelated sample)
ZZZZZZ	M59988.D	10/06/13	15:36	06:54	(unrelated sample)
ZZZZZZ	M59989.D	10/06/13	16:06	07:24	(unrelated sample)
ZZZZZZ	M59990.D	10/06/13	16:35	07:53	(unrelated sample)
ZZZZZZ	M59991.D	10/06/13	17:05	08:23	(unrelated sample)
ZZZZZZ	M59992.D	10/06/13	17:34	08:52	(unrelated sample)
ZZZZZZ	M59993.D	10/06/13	18:04	09:22	(unrelated sample)
ZZZZZZ	M59994.D	10/06/13	18:33	09:51	(unrelated sample)
ZZZZZZ	M59995.D	10/06/13	19:03	10:21	(unrelated sample)
ZZZZZZ	M59996.D	10/06/13	19:33	10:51	(unrelated sample)
ZZZZZZ	M59997.D	10/06/13	20:02	11:20	(unrelated sample)
ZZZZZZ	M59998.D	10/06/13	20:31	11:49	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: MC24774
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	MSM2079-CC2064	**Injection Date:**	10/06/13
Lab File ID:	M59974.D	**Injection Time:**	08:42
Instrument ID:	GCMSM	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	201715	9.35	330365	10.23	149660	13.50	186596	16.07	72464	6.84
Upper Limit [a]	403430	9.85	660730	10.73	299320	14.00	373192	16.57	144928	7.34
Lower Limit [b]	100858	8.85	165183	9.73	74830	13.00	93298	15.57	36232	6.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSM2079-BS	207601	9.35	335727	10.23	149552	13.51	187930	16.07	78148	6.84
MSM2079-MB	194071	9.35	316975	10.23	132470	13.50	151628	16.07	82154	6.84
ZZZZZZ	177703	9.35	291414	10.23	123340	13.51	143623	16.07	141879	6.84
ZZZZZZ	186400	9.35	310775	10.23	133521	13.50	151554	16.07	139596	6.84
MC24774-1	183944	9.36	297917	10.23	127935	13.50	136380	16.07	130266	6.84
MC24774-4	181609	9.35	297798	10.23	127289	13.50	146716	16.07	139730	6.84
MC24774-1MS	187265	9.35	305196	10.23	134506	13.51	154965	16.07	137783	6.84
MC24774-1MSD	201231	9.35	327342	10.23	144446	13.50	168823	16.07	150198[c]	6.84
ZZZZZZ	185587	9.35	306206	10.23	128556	13.50	135236	16.07	152603[c]	6.84
ZZZZZZ	196173	9.35	319061	10.23	136555	13.51	158324	16.07	141840	6.84
ZZZZZZ	192737	9.35	314592	10.23	136362	13.50	152294	16.07	127603	6.84
ZZZZZZ	179304	9.35	293132	10.23	127657	13.50	141200	16.07	123279	6.84
ZZZZZZ	188994	9.36	313557	10.23	133672	13.50	149492	16.07	128755	6.84
ZZZZZZ	185005	9.35	306767	10.23	130718	13.51	144386	16.07	148484[c]	6.84
ZZZZZZ	194816	9.36	319293	10.23	137522	13.50	156900	16.07	142137	6.84
ZZZZZZ	192652	9.36	315665	10.23	137623	13.51	153285	16.07	134204	6.84
ZZZZZZ	190867	9.36	316142	10.23	136370	13.51	155687	16.07	142592	6.84
ZZZZZZ	181588	9.35	300377	10.23	129171	13.50	148430	16.07	157865*	6.84
ZZZZZZ	185931	9.36	304331	10.23	133980	13.51	150549	16.07	132106	6.84
ZZZZZZ	180721	9.35	299012	10.23	127906	13.51	143856	16.07	141466	6.84
ZZZZZZ	179910	9.36	292495	10.23	127552	13.51	144558	16.07	144327	6.84
ZZZZZZ	162216	9.35	272721	10.23	117150	13.51	135209	16.07	150378*	6.84

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits. Target analytes not associated with this internal standard.

Volatile Surrogate Recovery Summary

Job Number: MC24774
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC24774-1	M59981.D	87.0	83.0	95.0
MC24774-4	M59982.D	87.0	84.0	91.0
MC24774-1MS	M59983.D	85.0	83.0	87.0
MC24774-1MSD	M59984.D	85.0	82.0	88.0
MSM2079-BS	M59975.D	83.0	82.0	81.0
MSM2079-MB	M59978.D	84.0	83.0	89.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC24774 **Sample:** MSM2064-ICC2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59589.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report GCMS M

Method : C:\msdchem\1\methods\M130925S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Calibration Files
.5 =m59585.D 20 =m59588.D 2 =m59584.D 5 =m59586.D
10 =m59587.D 50 =m59589.D 100 =m59590.D 200 =m59591.D
400 =m59592.D =

Compound	.5	20	2	5	10	50	100	200	400	Avg	%RSD
1) I tert butyl alcohol-d9 ----------ISTD----------											
2) tertiary butyl alcohol	1.527	1.335	2.207	2.133	1.794	1.927	1.549	1.480		1.744	18.44
---- Linear regression ---- Coefficient = 0.9947											
Response Ratio = 0.21602 + 1.47818 *A											
3) Ethanol	0.160	0.064	0.095	0.157	0.189	0.141	0.172	0.168		0.143	29.53
---- Linear regression ---- Coefficient = 0.9978											
Response Ratio = -0.05715 + 0.16882 *A											
4) I pentafluorobenzene ----------ISTD----------											
5) dichlorodifluoromethane	0.639	0.705	0.734	0.672	0.664	0.613	0.642	0.612		0.660	6.54
6) chloromethane	1.019	1.418	1.113	1.027	1.122	0.887	1.057	0.964		1.076	14.67
7) vinyl chloride	1.144	1.062	1.123	1.096	1.089	0.889	1.116	1.026		1.068	7.60
8) bromomethane	0.528	0.588	0.575	0.551	0.526	0.411	0.497	0.448		0.516	11.82
9) chloroethane	0.373	0.296	0.419	0.379	0.405	0.321	0.377	0.344		0.364	11.43
10) ethyl ether	0.460	0.402	0.459	0.455	0.513	0.407	0.500	0.477		0.459	8.55
11) acetonitrile	0.127		0.143	0.162	0.139	0.117	0.163	0.160		0.144	12.50
12) trichlorofluoromethane	0.962	0.819	0.851	1.000	1.039	0.831	0.969	0.902		0.922	8.96
13) freon-113	0.524	0.467	0.503	0.494	0.563	0.429	0.474	0.440		0.486	9.06
14) acrolein	0.093		0.092	0.092	0.115	0.097	0.120	0.120		0.104	12.97
15) 1,1-dichloroethene	0.556	0.552	0.677	0.593	0.587	0.460	0.556	0.519		0.563	11.07
16) acetone	0.042			0.036	0.068	0.053	0.060	0.055		0.052	22.05
---- Linear regression ---- Coefficient = 0.9964											
Response Ratio = 0.00103 + 0.05615 *A											
17) Methyl Acetate	0.732		0.837	0.773	0.972	0.797	0.967	0.944		0.860	11.57
18) methylene chloride	0.606	0.596	0.641	0.616	0.658	0.521	0.623	0.595		0.607	6.74

Initial Calibration Summary

Job Number: MC24774 **Sample:** MSM2064-ICC2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59589.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
19)  methyl tert butyl ether
                1.233 1.214 1.309 1.250 1.395 1.088 1.306 1.233   1.254    7.11
20)  acrylonitrile
                0.208       0.192 0.214 0.280 0.227 0.273 0.265   0.237   14.88
21)  allyl chloride
                1.121 1.067 1.099 1.075 1.191 0.952 1.206 1.173   1.111    7.47
22)  trans-1,2-dichloroethene
                0.596 0.625 0.655 0.636 0.648 0.515 0.616 0.586   0.610    7.38
23)  iodomethane
                1.136 1.097 1.196 1.155 1.271 1.004 1.219 1.136   1.152    7.03
24)  carbon disulfide
                1.743 1.672 1.855 1.815 1.883 1.502 1.810 1.673   1.744    7.18
25)  propionitrile
                0.077       0.042 0.062 0.099 0.083 0.097 0.093   0.079   26.29
             ---- Linear regression ----  Coefficient =  0.9985
               Response Ratio = -0.00502 + 0.09396 *A

26)  vinyl acetate
                1.268       1.164 1.220 1.560 1.278 1.595 1.583   1.381   13.71
             ---- Linear regression ----  Coefficient =  0.9977
               Response Ratio = -0.15107 + 1.59798 *A

27)  chloroprene
                0.934 0.838 0.947 0.938 1.057 0.862 1.109 1.087   0.972   10.47
28)  di-isopropyl ether
                2.303 2.219 2.296 2.341 2.627 2.108 2.701 2.735   2.416    9.82
29)  methacrylonitrile
                0.353 0.296 0.342 0.353 0.425 0.345 0.446 0.443   0.375   14.72
30)  2-butanone
                0.047       0.003 0.044 0.070 0.057 0.071 0.071   0.052   46.72
             ---- Linear regression ----  Coefficient =  0.9980
               Response Ratio = -0.00905 + 0.07177 *A

31)  1,1-dichloroethane
                0.983 1.007 1.025 1.015 1.078 0.856 1.060 1.007   1.004    6.69
32)  tert-butyl ethyl ether
                1.603 1.525 1.623 1.612 1.830 1.454 1.832 1.795   1.659    8.65
33)  isobutyl alcohol
                0.079 0.094 0.100 0.081 0.100 0.079 0.089 0.083   0.088   10.16
34)  2,2-dichloropropane
                0.609 0.669 0.655 0.645 0.679 0.522 0.626 0.575   0.622    8.46
35)  cis-1,2-dichloroethene
                0.668 0.729 0.758 0.696 0.739 0.574 0.727 0.708   0.700    8.27
36)  ethyl acetate
                0.394 0.468 0.497 0.400 0.499 0.394 0.445 0.413   0.439   10.22
37)  bromochloromethane
                0.328 0.335 0.349 0.343 0.376 0.295 0.360 0.349   0.342    7.04
38)  chloroform
                0.947 0.965 0.973 0.994 1.073 0.847 1.067 1.053   0.990    7.63
39)  dibromofluoromethane (s)
                0.515       0.548 0.543 0.620 0.689 0.568 0.637   0.589   10.52
40)  Tetrahydrofuran
                0.219 0.261 0.235 0.234 0.258 0.194 0.230 0.221   0.232    9.32
41)  1,1,1-trichloroethane
                0.844 0.835 0.885 0.863 0.919 0.716 0.856 0.780   0.837    7.56

42) I   1,4-difluorobenzene   ----------------ISTD--------------------
43)  Cyclohexane
                0.663 0.689 0.702 0.675 0.742 0.587 0.718 0.658   0.679    6.89
44)  carbon tetrachloride
```

Initial Calibration Summary

Job Number: MC24774 **Sample:** MSM2064-ICC2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59589.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                0.532 0.538 0.560 0.555 0.591 0.468 0.572 0.531   0.543    6.77
45)  1,1-dichloropropene
                0.469 0.471 0.483 0.485 0.521 0.416 0.523 0.492   0.483    6.96
46)  benzene
          1.959 1.479 1.469 1.488 1.519 1.610 1.288 1.611 1.524   1.550   11.64
47)  1,2-dichloroethane
                0.501 0.500 0.516 0.514 0.567 0.451 0.553 0.521   0.515    6.83
48)  tert-amyl methyl ether
                0.767 0.786 0.823 0.806 0.893 0.693 0.840 0.770   0.797    7.39
49)  heptane
                0.667 0.689 0.708 0.703 0.758 0.599 0.786 0.753   0.708    8.37
50)  trichloroethene
          1.129 0.412 0.478 0.453 0.434 0.457 0.363 0.456 0.437   0.513   45.47
           ---- Linear regression ----  Coefficient =  0.9975
             Response Ratio = -0.00926 + 0.43869 *A

51)  1,2-dichloropropane
                0.409 0.407 0.422 0.425 0.465 0.374 0.470 0.461   0.429    7.86
52)  dibromomethane
                0.219 0.214 0.227 0.232 0.251 0.197 0.244 0.235   0.227    7.57
53)  bromodichloromethane
                0.517 0.490 0.534 0.533 0.578 0.459 0.565 0.537   0.527    7.30
54)  Methylcyclohexane
                0.626 0.638 0.637 0.627 0.706 0.559 0.701 0.645   0.642    7.21
55)  2-chloroethyl vinyl ether
                0.141 0.120 0.153 0.154 0.168 0.140 0.176 0.168   0.153   12.10
56)  methyl methacrylate
                0.214       0.197 0.199 0.257 0.208 0.257 0.246   0.225   11.94
57)  1,4-dioxane
                0.003       0.000 0.002 0.004 0.003 0.004 0.003   0.003   42.62
           ---- Linear regression ----  Coefficient =  0.9963
             Response Ratio = 0.00019 + 0.00346 *A

58)  cis-1,3-dichloropropene
                0.579 0.549 0.572 0.587 0.672 0.535 0.672 0.650   0.602    9.13
59)  toluene-d8 (s)
                1.132       1.145 1.178 1.391 1.572 1.320 1.485   1.317   13.23
60)  4-methyl-2-pentanone
                0.434 0.381 0.450 0.437 0.548 0.424 0.511 0.492   0.460   11.69
61)  toluene
                0.934 0.858 0.935 0.940 1.072 0.862 1.132 1.098   0.979   10.93
62)  trans-1,3-dichloropropene
                0.490 0.442 0.493 0.497 0.568 0.450 0.568 0.545   0.507    9.70
63)  1,1,2-trichloroethane
                0.278 0.257 0.283 0.279 0.314 0.249 0.305 0.290   0.282    7.78
64)  ethyl methacrylate
                0.402       0.364 0.406 0.498 0.416 0.548 0.540   0.454   16.28
           ---- Linear regression ----  Coefficient =  0.9968
             Response Ratio = -0.06773 + 0.54750 *A


65) I   chlorobenzene-d5      ----------------ISTD--------------------
66)  tetrachloroethene
          1.235 1.002 1.022 1.083 1.091 1.061 0.826 1.095 1.002   1.046   10.40
67)  1,3-dichloropropane
                1.242 1.195 1.319 1.350 1.368 1.070 1.482 1.369   1.299    9.76
68)  dibromochloromethane
                1.154 1.102 1.219 1.221 1.253 0.971 1.285 1.207   1.177    8.54
69)  1,2-dibromoethane
                0.895 0.868 0.976 0.947 0.976 0.751 1.005 0.924   0.918    8.83
```

Initial Calibration Summary

Job Number: MC24774 **Sample:** MSM2064-ICC2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59589.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

70)	2-hexanone									
	0.672	0.718	0.808	0.906	0.680	0.900	0.854	0.791	12.75	
71)	chlorobenzene									
	2.988	2.847	3.091	3.132	3.125	2.443	3.322	3.095	3.006	8.78
72)	1,1,1,2-tetrachloroethane									
	1.138	1.163	1.193	1.209	1.231	0.948	1.299	1.187	1.171	8.71
73)	ethylbenzene									
	4.356	4.313	4.578	4.627	4.693	3.701	5.130	4.848	4.531	9.38
74)	m,p-xylene									
	1.850	1.798	1.872	1.932	1.980	1.578	2.299	2.137	1.931	11.30
75)	o-xylene									
	1.899	1.862	1.970	1.946	2.060	1.634	2.387	2.174	1.992	11.24
76)	styrene									
	2.856	2.579	2.898	2.933	3.162	2.512	3.461	3.202	2.950	10.80
77)	bromoform									
	0.710	0.667	0.719	0.761	0.830	0.635	0.854	0.784	0.745	10.27
78)	trans-1,4-dichloro-2-butene									
	0.329	0.349	0.348	0.351	0.418	0.309	0.438	0.394	0.367	12.26
79)	I 1,4-dichlorobenzene-d ----------ISTD----------									
80)	isopropylbenzene									
	4.053	3.778	4.002	4.141	4.492	3.620	4.360	4.097	4.068	6.95
81)	bromofluorobenzene (s)									
	0.803	0.841	0.856	0.952	1.097	0.879	0.962	0.913	10.92	
82)	bromobenzene									
	1.079	1.039	1.057	1.139	1.215	0.966	1.124	1.049	1.083	6.96
83)	1,1,2,2-tetrachloroethane									
	0.911	0.859	0.937	0.955	1.189	0.879	1.050	0.975	0.969	11.04
84)	1,2,3-trichloropropane									
	0.936	0.915	0.972	0.971	1.169	0.897	1.044	0.972	0.985	8.82
85)	n-propylbenzene									
	4.297	4.108	4.250	4.452	4.811	3.912	4.757	4.422	4.376	6.97
86)	2-chlorotoluene									
	2.635	2.458	2.672	2.679	2.865	2.351	2.873	2.683	2.652	6.77
87)	4-chlorotoluene									
	2.589	2.407	2.508	2.607	2.817	2.317	2.800	2.645	2.586	6.75
88)	1,3,5-trimethylbenzene									
	3.291	2.989	3.221	3.306	3.679	3.039	3.762	3.501	3.349	8.37
89)	tert-butylbenzene									
	1.781	1.738	1.776	1.835	2.031	1.670	2.101	1.979	1.864	8.26
90)	1,2,4-trimethylbenzene									
	3.228	2.897	3.148	3.251	3.611	2.994	3.744	3.467	3.293	8.95
91)	sec-butylbenzene									
	4.509	4.147	4.453	4.606	5.030	4.144	5.214	4.721	4.603	8.29
92)	1,3-dichlorobenzene									
	2.102	2.014	2.108	2.131	2.289	1.858	2.205	2.062	2.096	6.11
93)	p-isopropyltoluene									
	3.523	3.296	3.533	3.574	3.974	3.328	4.148	3.906	3.660	8.53
94)	1,4-dichlorobenzene									
	2.059	2.098	2.095	2.110	2.331	1.886	2.271	2.122	2.121	6.34
95)	1,2-dichlorobenzene									
	2.121	1.998	2.099	2.128	2.409	1.886	2.192	2.057	2.111	7.22
96)	n-butylbenzene									
	3.079	2.872	3.027	3.042	3.482	2.898	3.449	3.239	3.136	7.41
97)	1,2-dibromo-3-chloropropane									
	0.183	0.206	0.197	0.239	0.174	0.194	0.180	0.196	11.08	
98)	1,3,5-trichlorobenzene									
	1.369	1.335	1.377	1.330	1.521	1.237	1.350	1.289	1.351	6.11
99)	1,2,4-trichlorobenzene									
	1.284	1.277	1.270	1.278	1.532	1.191	1.288	1.208	1.291	8.07

Initial Calibration Summary

Job Number: MC24774 **Sample:** MSM2064-ICC2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59589.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

100)	hexachlorobutadiene									
		0.725	0.745	0.747	0.743	0.848	0.675	0.771	0.729	0.748	6.53
101)	naphthalene									
		3.612	3.307	3.407	3.614	4.920	3.702	4.095	3.921	3.822	13.37
102)	1,2,3-trichlorobenzene									
		1.291	1.269	1.300	1.301	1.639	1.241	1.344	1.245	1.329	9.77
103)	2-methylnaphthalene									
		1.873		1.727	1.831	2.428	1.995	2.046	1.947	1.978	11.37
104)	1-methylnaphthalene									
		5.998		6.922	6.699	7.417	6.146	6.228	5.864	6.468	8.71

(#) = Out of Range ### Number of calibration levels exceeded format ###

M130925S.M Thu Sep 26 15:19:58 2013

Initial Calibration Verification

Job Number: MC24774 **Sample:** MSM2064-ICV2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59596.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M130925S\m59596.D Vial: 17
Acq On : 26 Sep 2013 2:49 am Operator: krystend
Sample : cc2064-50 Inst : GCMS M
Misc : MS30022,MSM2064,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130925S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Sep 26 15:09:52 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	187	0.00	6.84
			Amount	Calc.	%Drift			
2	M	tertiary butyl alcohol	500.000	359.095	28.2#	133	0.00	6.93
3		Ethanol	5000.000	2360.173	52.8#	73	0.00	5.66
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	108	0.00	9.35
5	M	dichlorodifluoromethane	0.660	0.890	-34.8#	145	0.00	4.44
6	P	chloromethane	1.076	1.379	-28.2#	133	0.00	4.70
7	c	vinyl chloride	1.068	1.116	-4.5	111	-0.01	4.97
8	M	bromomethane	0.516	0.575	-11.4	118	0.00	5.51
9	M	chloroethane	0.364	0.450	-23.6#	120	0.00	5.68
10	M	ethyl ether	0.459	0.450	2.0	95	0.00	6.58
11	M	acetonitrile	0.144	0.137	4.9	107	0.00	6.57
12	M	trichlorofluoromethane	0.922	1.122	-21.7#	117	0.00	6.34
13	M	freon-113	0.486	0.625	-28.6#	120	0.00	7.15
14	M	acrolein	0.104	0.011	89.4#	10#	0.03	6.35
15	c	1,1-dichloroethene	0.563	0.587	-4.3	108	0.00	6.95
			Amount	Calc.	%Drift			
16	M	acetone	50.000	55.426	-10.9	101	0.03	6.49
			AvgRF	CCRF	%Dev			
17	M	Methyl Acetate	0.860	0.113	86.9#	13#	0.04	7.16
18	M	methylene chloride	0.607	0.613	-1.0	101	0.00	7.11
19	M	methyl tert butyl ether	1.254	1.161	7.4	90	0.00	7.91
20	M	acrylonitrile	0.237	0.236	0.4	91	0.02	7.01
21	M	allyl chloride	1.111	1.239	-11.5	112	0.00	7.20
22	M	trans-1,2-dichloroethene	0.610	0.680	-11.5	113	0.00	7.81
23	M	iodomethane	1.152	1.285	-11.5	109	0.00	7.01
24	M	carbon disulfide	1.744	2.118	-21.4#	121	0.00	7.40
			Amount	Calc.	%Drift			
25	M	propionitrile	50.000	46.506	7.0	90	0.03	8.10
26	M	vinyl acetate	50.000	8.324	83.4#	8	0.04	8.20
			AvgRF	CCRF	%Dev			
27	M	chloroprene	0.972	1.284	-32.1#	131	0.00	8.45
28	M	di-isopropyl ether	2.416	2.344	3.0	96	0.00	8.49
29	M	methacrylonitrile	0.375	0.378	-0.8	96	0.00	8.60

Initial Calibration Verification

Job Number: MC24774 **Sample:** MSM2064-ICV2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59596.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
30	M	2-butanone	50.000	50.124	-0.2	97	0.02	8.51
			AvgRF	CCRF	%Dev			
31	P	1,1-dichloroethane	1.004	1.203	-19.8	120	0.00	8.08
32	M	tert-butyl ethyl ether	1.659	1.590	4.2	94	0.00	8.88
33	M	isobutyl alcohol	0.088	0.093	-5.7	101	0.00	8.89
34	M	2,2-dichloropropane	0.622	0.773	-24.3#	123	0.00	8.95
35	M	cis-1,2-dichloroethene	0.700	0.695	0.7	101	0.00	8.65
36	M	ethyl acetate	0.439	0.465	-5.9	100	0.00	8.89
37	M	bromochloromethane	0.342	0.352	-2.9	101	0.00	8.83
38	c	chloroform	0.990	1.094	-10.5	110	0.00	8.86
39	S	dibromofluoromethane (s)	0.589	0.479	18.7	83	0.00	8.99
40	M	Tetrahydrofuran	0.232	0.225	3.0	94	0.00	9.19
41	M	1,1,1-trichloroethane	0.837	1.065	-27.2#	125	0.00	9.63
42	I	1,4-difluorobenzene	1.000	1.000	0.0	106	0.00	10.23
43	M	Cyclohexane	0.679	0.820	-20.8#	117	0.00	9.92
44	M	carbon tetrachloride	0.543	0.710	-30.8#	127	0.00	10.00
45	M	1,1-dichloropropene	0.483	0.575	-19.0	117	0.00	9.81
46	M	benzene	1.550	1.654	-6.7	109	0.00	10.03
47	M	1,2-dichloroethane	0.515	0.501	2.7	93	0.00	9.53
48	M	tert-amyl methyl ether	0.797	0.724	9.2	86	0.00	10.15
49	M	heptane	0.708	0.856	-20.9#	119	0.00	10.51
			Amount	Calc.	%Drift			
50	M	trichloroethene	50.000	53.721	-7.4	107	0.00	10.66
			AvgRF	CCRF	%Dev			
51	c	1,2-dichloropropane	0.429	0.427	0.5	97	0.00	10.62
52	M	dibromomethane	0.227	0.236	-4.0	99	0.00	10.60
53	M	bromodichloromethane	0.527	0.524	0.6	96	0.00	10.72
54	M	Methylcyclohexane	0.642	0.808	-25.9#	121	0.00	11.18
55	M	2-chloroethyl vinyl ether	0.153	0.007	95.4#	5#	0.10	11.18
56	M	methyl methacrylate	0.225	0.221	1.8	91	0.00	10.80
			Amount	Calc.	%Drift			
57	M	1,4-dioxane	250.000	238.926	4.4	83	0.00	10.81
			AvgRF	CCRF	%Dev			
58	M	cis-1,3-dichloropropene	0.602	0.560	7.0	88	0.00	11.34
59	S	toluene-d8 (s)	1.317	1.175	10.8	89	0.00	12.04
60	M	4-methyl-2-pentanone	0.460	0.500	-8.7	96	0.00	11.42
61	c	toluene	0.979	1.084	-10.7	107	0.00	12.12
62	M	trans-1,3-dichloropropene	0.507	0.491	3.2	91	0.00	11.75
63	M	1,1,2-trichloroethane	0.282	0.265	6.0	89	0.00	11.93
			Amount	Calc.	%Drift			
64	M	ethyl methacrylate	50.000	46.177	7.6	93	0.00	12.12
			AvgRF	CCRF	%Dev			
65	I	chlorobenzene-d5	1.000	1.000	0.0	104	0.00	13.51
66	M	tetrachloroethene	1.046	1.256	-20.1#	124	0.00	12.86
67	M	1,3-dichloropropane	1.299	1.181	9.1	90	0.00	12.16
68	M	dibromochloromethane	1.177	1.088	7.6	91	0.00	12.46
69	M	1,2-dibromoethane	0.918	0.856	6.8	92	0.00	12.71
70	M	2-hexanone	0.791	0.838	-5.9	97	0.00	12.29
71	P	chlorobenzene	3.006	2.871	4.5	96	0.00	13.54

Initial Calibration Verification

Job Number: MC24774 **Sample:** MSM2064-ICV2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59596.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

72	M	1,1,1,2-tetrachloroethane	1.171	1.123	4.1	95	0.00	13.46
73	c	ethylbenzene	4.531	4.842	-6.9	108	0.00	13.71
74	M	m,p-xylene	1.931	2.002	-3.7	106	0.00	13.90
75	M	o-xylene	1.992	1.967	1.3	100	0.00	14.31
76	M	styrene	2.950	2.820	4.4	93	0.00	14.24
77	P	bromoform	0.745	0.753	-1.1	95	0.00	14.07
78	M	trans-1,4-dichloro-2-bute	0.367	0.344	6.3	86	0.00	14.46
79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	108	0.00	16.07
80	M	isopropylbenzene	4.068	4.417	-8.6	106	0.00	14.68
81	S	bromofluorobenzene (s)	0.913	0.711	22.1#	80	0.00	14.74
82	M	bromobenzene	1.083	1.050	3.0	93	0.00	14.97
83	P	1,1,2,2-tetrachloroethane	0.969	0.930	4.0	84	0.00	14.32
84	M	1,2,3-trichloropropane	0.985	0.970	1.5	89	0.00	14.46
85	M	n-propylbenzene	4.376	4.641	-6.1	104	0.00	15.12
86	M	2-chlorotoluene	2.652	2.562	3.4	96	0.00	15.24
87	M	4-chlorotoluene	2.586	2.523	2.4	96	0.00	15.32
88	M	1,3,5-trimethylbenzene	3.349	3.521	-5.1	103	0.00	15.40
89	M	tert-butylbenzene	1.864	2.010	-7.8	107	0.00	15.70
90	M	1,2,4-trimethylbenzene	3.293	3.348	-1.7	100	0.00	15.81
91	M	sec-butylbenzene	4.603	4.995	-8.5	107	0.00	15.92
92	M	1,3-dichlorobenzene	2.096	1.872	10.7	88	0.00	16.03
93	M	p-isopropyltoluene	3.660	4.179	-14.2	113	0.00	16.10
94	M	1,4-dichlorobenzene	2.121	1.932	8.9	89	0.00	16.10
95	M	1,2-dichlorobenzene	2.111	1.822	13.7	81	0.00	16.47
96	M	n-butylbenzene	3.136	3.470	-10.7	107	0.00	16.52
97	M	1,2-dibromo-3-chloropropa	0.196	0.194	1.0	88	0.00	16.95
98		1,3,5-trichlorobenzene	1.351	1.232	8.8	87	0.00	17.76
99	M	1,2,4-trichlorobenzene	1.291	1.050	18.7	74	0.00	18.30
100	M	hexachlorobutadiene	0.748	0.842	-12.6	107	0.00	18.60
101	M	naphthalene	3.822	3.547	7.2	78	0.00	18.58
102	M	1,2,3-trichlorobenzene	1.329	1.082	18.6	71	0.00	18.79
103		2-methylnaphthalene	1.978	1.771	10.5	79	0.00	19.97
104		1-methylnaphthalene	6.468	6.301	2.6	91	0.00	20.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m59589.D M130925S.M Thu Sep 26 15:14:51 2013

Initial Calibration Verification

Job Number: MC24774 **Sample:** MSM2065-ICV2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59614.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M130926S\m59614.D Vial: 16
Acq On : 26 Sep 2013 2:42 pm Operator: krystend
Sample : cc2064-50 Inst : GCMS M
Misc : MS30032,MSM2065,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130925S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Sep 26 15:09:52 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	111	0.00	6.85
			Amount	Calc.	%Drift			
2	M	tertiary butyl alcohol	500.000	410.302	17.9	89	0.00	6.93
3		Ethanol	5000.000	3834.538	23.3#	73	0.02	5.67
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	110	0.00	9.35
5	M	dichlorodifluoromethane	0.660	0.736	-11.5	122	-0.02	4.43
6	P	chloromethane	1.076	1.242	-15.4	122	0.00	4.70
7	c	vinyl chloride	1.068	0.960	10.1	97	-0.01	4.97
8	M	bromomethane	0.516	0.522	-1.2	109	0.00	5.50
9	M	chloroethane	0.364	0.399	-9.6	109	0.00	5.68
10	M	ethyl ether	0.459	0.462	-0.7	99	0.00	6.58
11	M	acetonitrile	0.144	0.166	-15.3	132	0.00	6.58
12	M	trichlorofluoromethane	0.922	0.926	-0.4	98	0.00	6.34
13	M	freon-113	0.486	0.526	-8.2	103	0.00	7.15
14	M	acrolein	0.104	0.053	49.0#	50	0.02	6.34
15	c	1,1-dichloroethene	0.563	0.571	-1.4	107	0.00	6.95
			Amount	Calc.	%Drift			
16	M	acetone	50.000	47.896	4.2	89	0.03	6.49
			AvgRF	CCRF	%Dev			
17	M	Methyl Acetate	0.860	0.652	24.2#	74	0.01	7.13
18	M	methylene chloride	0.607	0.626	-3.1	105	0.00	7.11
19	M	methyl tert butyl ether	1.254	1.211	3.4	96	0.00	7.91
20	M	acrylonitrile	0.237	0.217	8.4	86	0.02	7.01
21	M	allyl chloride	1.111	1.094	1.5	101	0.00	7.20
22	M	trans-1,2-dichloroethene	0.610	0.625	-2.5	106	0.00	7.81
23	M	iodomethane	1.152	1.174	-1.9	102	0.00	7.01
24	M	carbon disulfide	1.744	1.811	-3.8	106	0.00	7.40
			Amount	Calc.	%Drift			
25	M	propionitrile	50.000	42.072	15.9	83	0.04	8.11
26	M	vinyl acetate	50.000	25.484	49.0#	47	0.02	8.18
			AvgRF	CCRF	%Dev			
27	M	chloroprene	0.972	1.112	-14.4	116	0.00	8.45
28	M	di-isopropyl ether	2.416	2.293	5.1	96	0.00	8.49
29	M	methacrylonitrile	0.375	0.349	6.9	90	0.00	8.61

Initial Calibration Verification

Job Number: MC24774 **Sample:** MSM2065-ICV2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59614.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
30	M	2-butanone	50.000	64.520	-29.0#	132	0.01	8.50
			AvgRF	CCRF	%Dev			
31	P	1,1-dichloroethane	1.004	1.097	-9.3	112	0.00	8.08
32	M	tert-butyl ethyl ether	1.659	1.677	-1.1	101	0.00	8.89
33	M	isobutyl alcohol	0.088	0.086	2.3	95	0.00	8.88
34	M	2,2-dichloropropane	0.622	0.683	-9.8	111	0.00	8.95
35	M	cis-1,2-dichloroethene	0.700	0.659	5.9	98	0.00	8.65
36	M	ethyl acetate	0.439	0.429	2.3	95	0.00	8.88
37	M	bromochloromethane	0.342	0.365	-6.7	107	0.00	8.83
38	c	chloroform	0.990	1.049	-6.0	108	0.00	8.86
39	S	dibromofluoromethane (s)	0.589	0.418	29.0#	74	0.00	8.99
40	M	Tetrahydrofuran	0.232	0.197	15.1	84	0.00	9.20
41	M	1,1,1-trichloroethane	0.837	0.899	-7.4	108	0.00	9.63
42	I	1,4-difluorobenzene	1.000	1.000	0.0	110	0.00	10.23
43	M	Cyclohexane	0.679	0.637	6.2	95	0.00	9.92
44	M	carbon tetrachloride	0.543	0.581	-7.0	108	0.00	10.00
45	M	1,1-dichloropropene	0.483	0.496	-2.7	105	0.00	9.81
46	M	benzene	1.550	1.478	4.6	101	0.00	10.03
47	M	1,2-dichloroethane	0.515	0.503	2.3	98	0.00	9.52
48	M	tert-amyl methyl ether	0.797	0.796	0.1	98	0.00	10.15
49	M	heptane	0.708	0.667	5.8	97	0.00	10.51
			Amount	Calc.	%Drift			
50	M	trichloroethene	50.000	48.019	4.0	100	0.00	10.66
			AvgRF	CCRF	%Dev			
51	c	1,2-dichloropropane	0.429	0.410	4.4	97	0.00	10.62
52	M	dibromomethane	0.227	0.234	-3.1	103	0.00	10.60
53	M	bromodichloromethane	0.527	0.518	1.7	99	0.00	10.72
54	M	Methylcyclohexane	0.642	0.636	0.9	99	0.00	11.18
55	M	2-chloroethyl vinyl ether	0.153	0.125	18.3	82	0.00	11.09
56	M	methyl methacrylate	0.225	0.229	-1.8	98	0.00	10.80
			Amount	Calc.	%Drift			
57	M	1,4-dioxane	250.000	242.784	2.9	88	0.00	10.81
			AvgRF	CCRF	%Dev			
58	M	cis-1,3-dichloropropene	0.602	0.578	4.0	95	0.00	11.34
59	S	toluene-d8 (s)	1.317	0.970	26.3#	77	0.00	12.04
60	M	4-methyl-2-pentanone	0.460	0.421	8.5	85	0.00	11.42
61	c	toluene	0.979	0.972	0.7	100	0.00	12.12
62	M	trans-1,3-dichloropropene	0.507	0.514	-1.4	100	0.00	11.75
63	M	1,1,2-trichloroethane	0.282	0.267	5.3	94	0.00	11.93
			Amount	Calc.	%Drift			
64	M	ethyl methacrylate	50.000	40.212	19.6	82	0.00	12.12
			AvgRF	CCRF	%Dev			
65	I	chlorobenzene-d5	1.000	1.000	0.0	107	0.00	13.51
66	M	tetrachloroethene	1.046	1.121	-7.2	113	0.00	12.86
67	M	1,3-dichloropropane	1.299	1.188	8.5	93	0.00	12.16
68	M	dibromochloromethane	1.177	1.121	4.8	96	0.00	12.46
69	M	1,2-dibromoethane	0.918	0.849	7.5	93	0.00	12.71
70	M	2-hexanone	0.791	0.854	-8.0	101	0.00	12.28
71	P	chlorobenzene	3.006	2.806	6.7	96	0.00	13.55

Initial Calibration Verification

Job Number: MC24774 **Sample:** MSM2065-ICV2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59614.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

72	M	1,1,1,2-tetrachloroethane	1.171	1.098	6.2	95	0.00	13.46
73	c	ethylbenzene	4.531	4.405	2.8	100	0.00	13.71
74	M	m,p-xylene	1.931	1.868	3.3	101	0.00	13.90
75	M	o-xylene	1.992	1.835	7.9	95	0.00	14.31
76	M	styrene	2.950	2.965	-0.5	100	0.00	14.24
77	P	bromoform	0.745	0.748	-0.4	96	0.00	14.07
78	M	trans-1,4-dichloro-2-bute	0.367	0.340	7.4	87	0.00	14.46
79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	16.07
80	M	isopropylbenzene	4.068	4.053	0.4	96	0.00	14.68
81	S	bromofluorobenzene (s)	0.913	0.708	22.5#	79	0.00	14.74
82	M	bromobenzene	1.083	1.125	-3.9	98	0.00	14.97
83	P	1,1,2,2-tetrachloroethane	0.969	0.913	5.8	82	0.00	14.32
84	M	1,2,3-trichloropropane	0.985	0.950	3.6	86	0.00	14.47
85	M	n-propylbenzene	4.376	4.311	1.5	95	0.00	15.12
86	M	2-chlorotoluene	2.652	2.560	3.5	95	0.00	15.24
87	M	4-chlorotoluene	2.586	2.653	-2.6	100	0.00	15.32
88	M	1,3,5-trimethylbenzene	3.349	3.382	-1.0	98	0.00	15.40
89	M	tert-butylbenzene	1.864	1.812	2.8	95	0.00	15.71
90	M	1,2,4-trimethylbenzene	3.293	3.353	-1.8	99	0.00	15.81
91	M	sec-butylbenzene	4.603	4.473	2.8	95	0.00	15.93
92	M	1,3-dichlorobenzene	2.096	2.131	-1.7	99	0.00	16.03
93	M	p-isopropyltoluene	3.660	3.914	-6.9	105	0.00	16.10
94	M	1,4-dichlorobenzene	2.121	2.231	-5.2	102	0.00	16.10
95	M	1,2-dichlorobenzene	2.111	2.044	3.2	90	0.00	16.47
96	M	n-butylbenzene	3.136	3.249	-3.6	99	0.00	16.52
97	M	1,2-dibromo-3-chloropropa	0.196	0.166	15.3	74	0.00	16.95
98		1,3,5-trichlorobenzene	1.351	1.486	-10.0	104	0.00	17.76
99	M	1,2,4-trichlorobenzene	1.291	1.419	-9.9	98	0.00	18.30
100	M	hexachlorobutadiene	0.748	0.756	-1.1	95	0.00	18.60
101	M	naphthalene	3.822	3.661	4.2	79	0.00	18.58
102	M	1,2,3-trichlorobenzene	1.329	1.373	-3.3	89	0.00	18.79
103		2-methylnaphthalene	1.978	2.102	-6.3	92	0.00	19.97
104		1-methylnaphthalene	6.468	6.645	-2.7	95	0.00	20.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m59589.D M130925S.M Thu Sep 26 15:20:42 2013

Continuing Calibration Summary

Job Number: MC24774 **Sample:** MSM2079-CC2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59974.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M131006S\m59974.D Vial: 2
Acq On : 6 Oct 2013 8:42 am Operator: krystend
Sample : cc2064-50 Inst : GCMS M
Misc : MS30123,MSM2079,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130925S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Sep 26 15:09:52 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	67	0.00	6.84
			Amount	Calc.	%Drift			
2	M	tertiary butyl alcohol	500.000	358.690	28.3#	48	0.00	6.93
3		Ethanol	5000.000	4059.986	18.8	47	0.00	5.66
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	70	0.00	9.35
5	M	dichlorodifluoromethane	0.660	0.705	-6.8	74	-0.01	4.44
6	P	chloromethane	1.076	1.143	-6.2	71	0.00	4.70
7	c	vinyl chloride	1.068	1.082	-1.3	69	0.00	4.98
8	M	bromomethane	0.516	0.508	1.6	68	0.00	5.50
9	M	chloroethane	0.364	0.389	-6.9	67	0.00	5.67
10	M	ethyl ether	0.459	0.446	2.8	61	0.00	6.58
11	M	acetonitrile	0.144	0.138	4.2	70	0.00	6.57
12	M	trichlorofluoromethane	0.922	1.017	-10.3	68	0.00	6.34
13	M	freon-113	0.486	0.532	-9.5	66	0.00	7.15
14	M	acrolein	0.104	0.098	5.8	59	0.01	6.34
15	c	1,1-dichloroethene	0.563	0.530	5.9	63	0.00	6.95
			Amount	Calc.	%Drift			
16	M	acetone	50.000	52.712	-5.4	62	0.03	6.49
			AvgRF	CCRF	%Dev			
17	M	Methyl Acetate	0.860	0.787	8.5	57	0.01	7.13
18	M	methylene chloride	0.607	0.643	-5.9	68	0.00	7.11
19	M	methyl tert butyl ether	1.254	1.167	6.9	58	0.00	7.90
20	M	acrylonitrile	0.237	0.237	0.0	59	0.02	7.01
21	M	allyl chloride	1.111	1.152	-3.7	68	0.00	7.20
22	M	trans-1,2-dichloroethene	0.610	0.621	-1.8	67	0.00	7.81
23	M	iodomethane	1.152	1.213	-5.3	67	0.00	7.01
24	M	carbon disulfide	1.744	1.856	-6.4	69	0.00	7.40
			Amount	Calc.	%Drift			
25	M	propionitrile	50.000	45.757	8.5	57	0.09	8.16
26	M	vinyl acetate	50.000	43.954	12.1	56	0.01	8.18
			AvgRF	CCRF	%Dev			
27	M	chloroprene	0.972	1.010	-3.9	67	0.00	8.45
28	M	di-isopropyl ether	2.416	2.337	3.3	62	0.00	8.48
29	M	methacrylonitrile	0.375	0.347	7.5	57	0.00	8.61

Continuing Calibration Summary

Job Number: MC24774 **Sample:** MSM2079-CC2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59974.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
30	M	2-butanone	50.000	45.594	8.8	56	0.01	8.50
			AvgRF	CCRF	%Dev			
31	P	1,1-dichloroethane	1.004	1.009	-0.5	65	0.00	8.07
32	M	tert-butyl ethyl ether	1.659	1.559	6.0	60	0.00	8.88
33	M	isobutyl alcohol	0.088	0.075	14.8	53	0.00	8.88
34	M	2,2-dichloropropane	0.622	0.637	-2.4	66	0.00	8.95
35	M	cis-1,2-dichloroethene	0.700	0.702	-0.3	66	0.00	8.65
36	M	ethyl acetate	0.439	0.377	14.1	53	0.00	8.88
37	M	bromochloromethane	0.342	0.343	-0.3	64	0.00	8.82
38	c	chloroform	0.990	1.007	-1.7	66	0.00	8.86
39	S	dibromofluoromethane (s)	0.589	0.453	23.1#	51	0.00	8.98
40	M	Tetrahydrofuran	0.232	0.184	20.7#	50#	0.00	9.20
41	M	1,1,1-trichloroethane	0.837	0.860	-2.7	65	0.00	9.63
42	I	1,4-difluorobenzene	1.000	1.000	0.0	74	0.00	10.23
43	M	Cyclohexane	0.679	0.652	4.0	65	0.00	9.91
44	M	carbon tetrachloride	0.543	0.536	1.3	67	0.00	10.00
45	M	1,1-dichloropropene	0.483	0.471	2.5	67	0.00	9.81
46	M	benzene	1.550	1.444	6.8	66	0.00	10.04
47	M	1,2-dichloroethane	0.515	0.485	5.8	63	0.00	9.52
48	M	tert-amyl methyl ether	0.797	0.704	11.7	58	0.00	10.15
49	M	heptane	0.708	0.710	-0.3	69	0.00	10.51
			Amount	Calc.	%Drift			
50	M	trichloroethene	50.000	48.406	3.2	67	0.00	10.66
			AvgRF	CCRF	%Dev			
51	c	1,2-dichloropropane	0.429	0.402	6.3	64	0.00	10.62
52	M	dibromomethane	0.227	0.217	4.4	64	0.00	10.60
53	M	bromodichloromethane	0.527	0.502	4.7	64	0.00	10.71
54	M	Methylcyclohexane	0.642	0.628	2.2	65	0.00	11.18
55	M	2-chloroethyl vinyl ether	0.153	0.132	13.7	58	0.00	11.09
56	M	methyl methacrylate	0.225	0.198	12.0	57	0.00	10.80
			Amount	Calc.	%Drift			
57	M	1,4-dioxane	250.000	204.811	18.1	49	0.00	10.80
			AvgRF	CCRF	%Dev			
58	M	cis-1,3-dichloropropene	0.602	0.579	3.8	63	0.00	11.34
59	S	toluene-d8 (s)	1.317	0.993	24.6#	53	0.00	12.04
60	M	4-methyl-2-pentanone	0.460	0.386	16.1	52	0.00	11.42
61	c	toluene	0.979	0.954	2.6	65	0.00	12.12
62	M	trans-1,3-dichloropropene	0.507	0.479	5.5	62	0.00	11.75
63	M	1,1,2-trichloroethane	0.282	0.259	8.2	61	0.00	11.93
			Amount	Calc.	%Drift			
64	M	ethyl methacrylate	50.000	40.756	18.5	56	0.00	12.12
			AvgRF	CCRF	%Dev			
65	I	chlorobenzene-d5	1.000	1.000	0.0	77	0.00	13.50
66	M	tetrachloroethene	1.046	0.907	13.3	66	0.00	12.86
67	M	1,3-dichloropropane	1.299	1.091	16.0	62	0.00	12.16
68	M	dibromochloromethane	1.177	1.001	15.0	62	0.00	12.46
69	M	1,2-dibromoethane	0.918	0.770	16.1	61	0.00	12.71
70	M	2-hexanone	0.791	0.599	24.3#	51	0.00	12.29
71	P	chlorobenzene	3.006	2.680	10.8	66	0.00	13.54

Continuing Calibration Summary

Job Number: MC24774 **Sample:** MSM2079-CC2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59974.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

72	M	1,1,1,2-tetrachloroethane	1.171	0.982	16.1	62	0.00	13.46
73	c	ethylbenzene	4.531	3.984	12.1	66	0.00	13.71
74	M	m,p-xylene	1.931	1.740	9.9	68	0.00	13.90
75	M	o-xylene	1.992	1.758	11.7	66	0.00	14.31
76	M	styrene	2.950	2.565	13.1	63	0.00	14.24
77	P	bromoform	0.745	0.592	20.5#	55	0.00	14.07
78	M	trans-1,4-dichloro-2-bute	0.367	0.299	18.5	55	0.00	14.46
79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	81	0.00	16.07
80	M	isopropylbenzene	4.068	3.627	10.8	66	0.00	14.68
81	S	bromofluorobenzene (s)	0.913	0.667	26.9#	57	0.00	14.73
82	M	bromobenzene	1.083	0.938	13.4	63	0.00	14.97
83	P	1,1,2,2-tetrachloroethane	0.969	0.774	20.1#	53	0.00	14.32
84	M	1,2,3-trichloropropane	0.985	0.786	20.2#	55	0.00	14.46
85	M	n-propylbenzene	4.376	3.989	8.8	67	0.00	15.12
86	M	2-chlorotoluene	2.652	2.351	11.3	67	0.00	15.24
87	M	4-chlorotoluene	2.586	2.360	8.7	68	0.00	15.32
88	M	1,3,5-trimethylbenzene	3.349	3.036	9.3	67	0.00	15.40
89	M	tert-butylbenzene	1.864	1.622	13.0	65	0.00	15.70
90	M	1,2,4-trimethylbenzene	3.293	3.028	8.0	68	0.00	15.81
91	M	sec-butylbenzene	4.603	4.139	10.1	67	0.00	15.92
92	M	1,3-dichlorobenzene	2.096	1.943	7.3	69	0.00	16.03
93	M	p-isopropyltoluene	3.660	3.361	8.2	69	0.00	16.10
94	M	1,4-dichlorobenzene	2.121	1.996	5.9	70	0.00	16.10
95	M	1,2-dichlorobenzene	2.111	1.876	11.1	63	0.00	16.47
96	M	n-butylbenzene	3.136	3.023	3.6	70	0.00	16.52
97	M	1,2-dibromo-3-chloropropa	0.196	0.142	27.6#	48#	0.00	16.95
98		1,3,5-trichlorobenzene	1.351	1.239	8.3	66	0.00	17.76
99	M	1,2,4-trichlorobenzene	1.291	1.121	13.2	59	0.00	18.30
100	M	hexachlorobutadiene	0.748	0.571	23.7#	55	0.00	18.60
101	M	naphthalene	3.822	2.817	26.3#	46#	0.00	18.58
102	M	1,2,3-trichlorobenzene	1.329	1.058	20.4#	52	0.00	18.79
103		2-methylnaphthalene	1.978	1.397	29.4#	47#	0.00	19.97
104		1-methylnaphthalene	6.468	4.406	31.9#	48#	0.00	20.22

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m59589.D M130925S.M Sun Oct 06 10:34:57 2013

New England ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59981.D
Acq On : 6 Oct 2013 12:09 pm
Operator : krystend
Sample : mc24774-1
Misc : MS30130,MSM2079,4.893,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 07 08:45:27 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

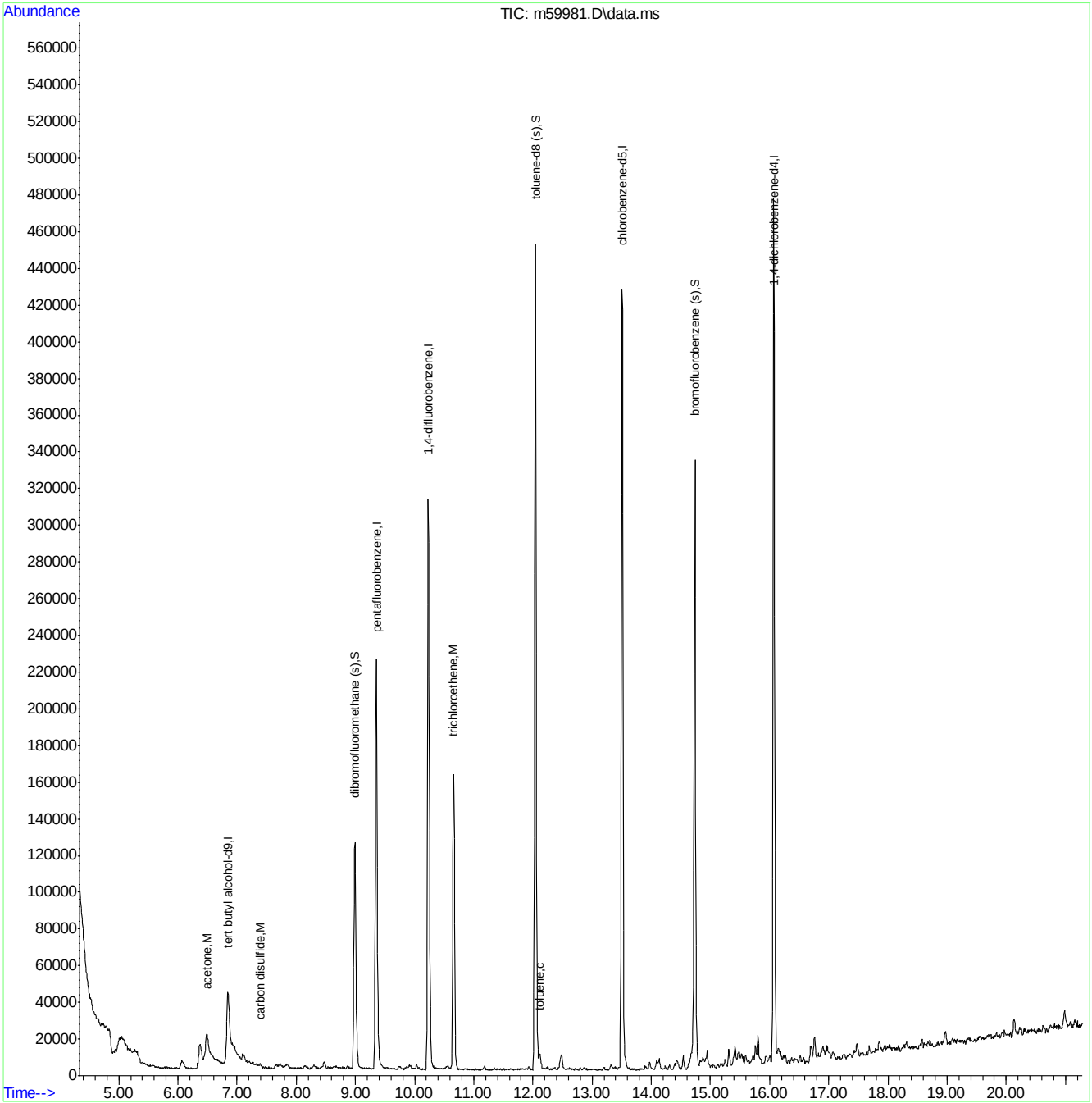
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	130266	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	183944	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	297917	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	127935	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	136380	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	94204	43.50	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.00%			
59) toluene-d8 (s)	12.043	98	326675	41.62	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.24%			
81) bromofluorobenzene (s)	14.738	95	118078	47.43	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.86%			
Target Compounds						Qvalue
16) acetone	6.486	58	15357	73.43	ug/kg	88
24) carbon disulfide	7.395	76	4914	0.77	ug/kg	86
50) trichloroethene	10.655	95	55144	22.15	ug/kg	98
61) toluene	12.117	92	3171	0.54	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

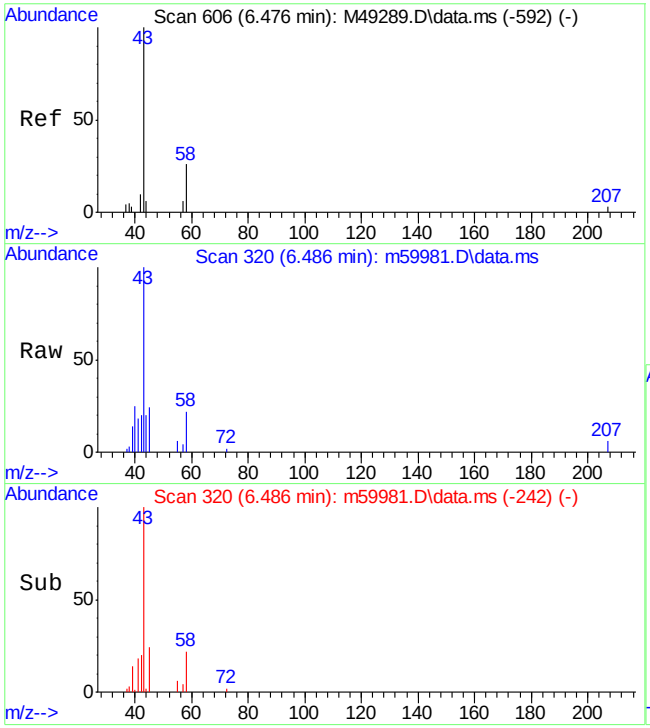
Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59981.D
Acq On : 6 Oct 2013 12:09 pm
Operator : krystend
Sample : mc24774-1
Misc : MS30130,MSM2079,4.893,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 07 08:45:27 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration



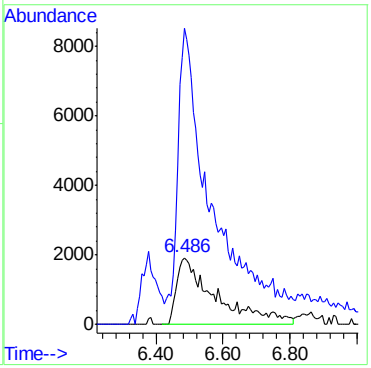
M130925S.M Mon Oct 07 08:47:28 2013 Page: 2

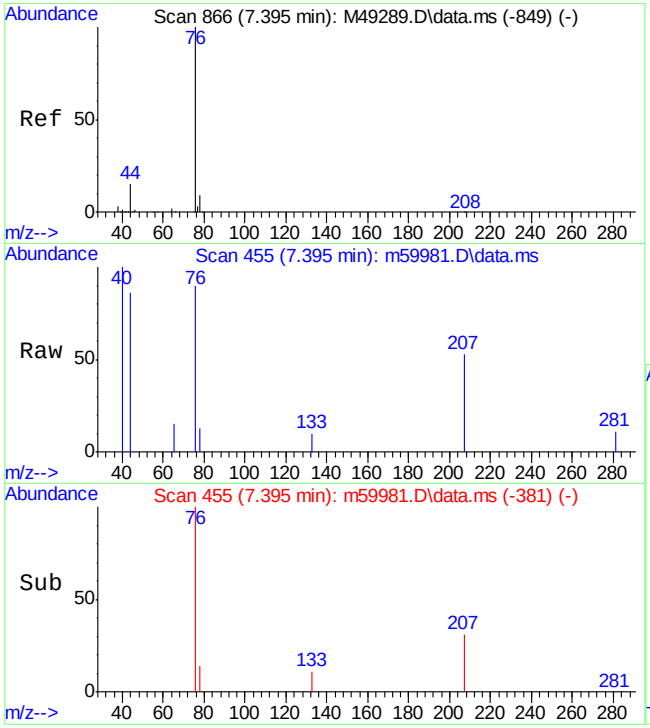


#16
acetone
Concen: 73.43 ug/kg
RT: 6.486 min Scan# 320
Delta R.T. 0.027 min
Lab File: m59981.D
Acq: 6 Oct 2013 12:09 pm

Tgt Ion: 58 Resp: 15357

Ion	Ratio	Lower	Upper
58	100		
43	406.9	350.4	410.4

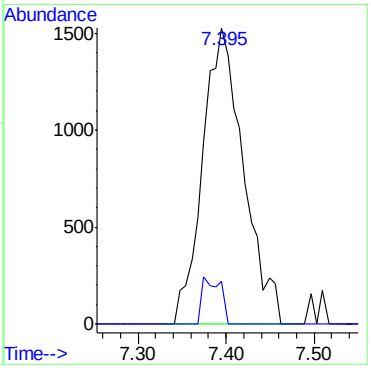


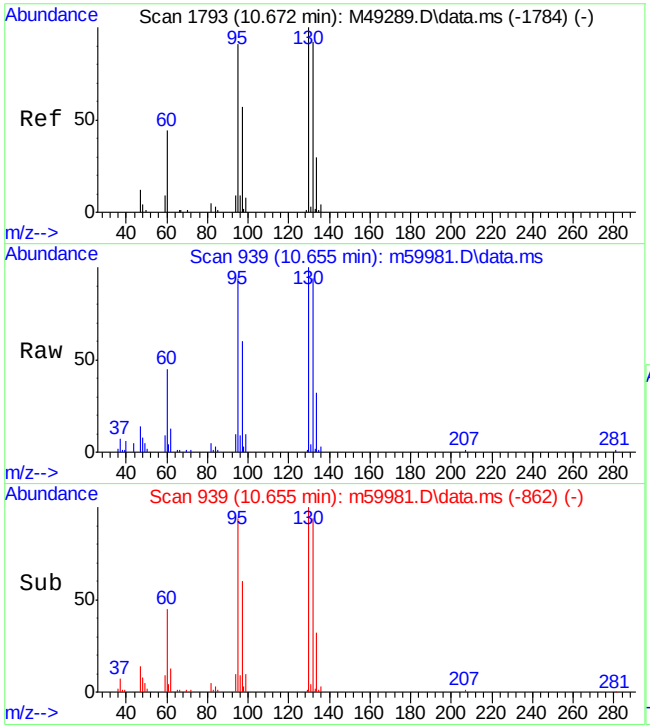


#24
carbon disulfide
Concen: 0.77 ug/kg
RT: 7.395 min Scan# 455
Delta R.T. 0.000 min
Lab File: m59981.D
Acq: 6 Oct 2013 12:09 pm

Tgt Ion: 76 Resp: 4914

Ion	Ratio	Lower	Upper
76	100		
78	14.3	0.0	39.1

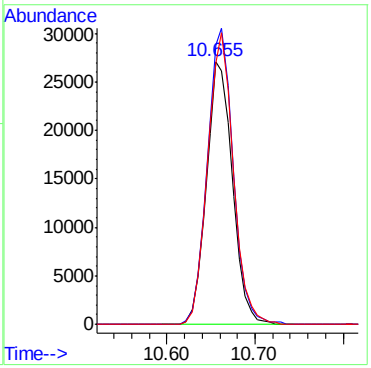


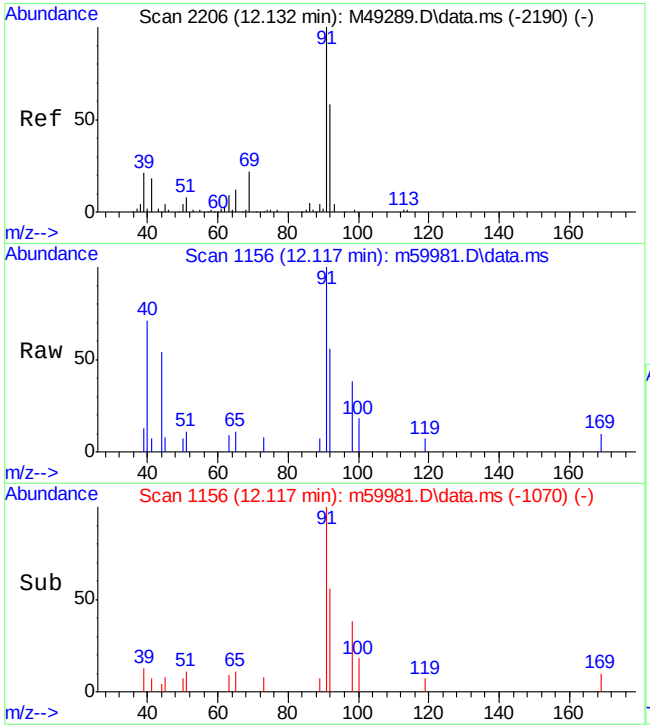


#50
trichloroethene
Concen: 22.15 ug/kg
RT: 10.655 min Scan# 939
Delta R.T. -0.001 min
Lab File: m59981.D
Acq: 6 Oct 2013 12:09 pm

Tgt Ion: 95 Resp: 55144

Ion	Ratio	Lower	Upper
95	100		
130	106.2	73.0	133.0
132	99.4	70.3	130.3

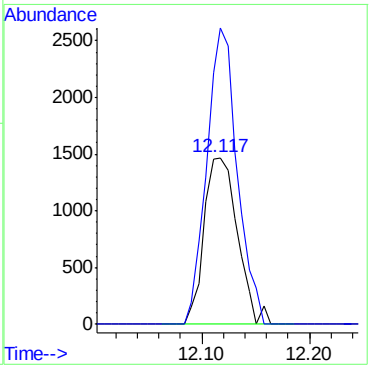




#61
toluene
Concen: 0.54 ug/kg
RT: 12.117 min Scan# 1156
Delta R.T. 0.000 min
Lab File: m59981.D
Acq: 6 Oct 2013 12:09 pm

Tgt Ion: 92 Resp: 3171

Ion	Ratio	Lower	Upper
92	100		
91	177.8	145.9	205.9



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59981.D
Acq On : 6 Oct 2013 12:09 pm
Operator : krystend
Sample : mc24774-1
Misc : MS30130,MSM2079,4.893,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130925S.M
Title : SW-846 Method 8260

Signal : TIC: m59981.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.068	251	258	291	rVB6	4476	18092	1.29%	0.240%
2	6.378	291	304	311	rVV3	13423	53020	3.79%	0.703%
3	6.486	311	320	363	rVV2	18983	157306	11.24%	2.086%
4	6.843	363	373	473	rVB	42126	347362	24.82%	4.607%
5	7.725	487	504	513	rBV8	2440	14123	1.01%	0.187%
6	7.840	513	521	559	rVB6	2641	14752	1.05%	0.196%
7	8.136	559	565	579	rVB7	1970	8263	0.59%	0.110%
8	8.298	579	589	601	rBV8	2362	10245	0.73%	0.136%
9	8.466	601	614	639	rBV6	3785	19355	1.38%	0.257%
10	8.870	669	674	681	rVB4	1236	2026	0.14%	0.027%
11	8.992	681	692	733	rVB	123803	312490	22.33%	4.144%
12	9.349	733	745	795	rBV	223834	510511	36.48%	6.771%
13	9.746	795	804	815	rVB5	1825	6949	0.50%	0.092%
14	9.908	815	828	843	rBV8	2537	13663	0.98%	0.181%
15	10.036	843	847	867	rVB4	3036	9468	0.68%	0.126%
16	10.231	867	876	913	rBV	311328	655469	46.84%	8.693%
17	10.561	913	925	929	rBV6	2295	8391	0.60%	0.111%
18	10.662	929	940	963	rVV	161179	337951	24.15%	4.482%
19	10.851	963	968	985	rVB3	1070	3877	0.28%	0.051%
20	11.181	1009	1017	1037	rVB5	2512	8230	0.59%	0.109%
21	11.349	1037	1042	1055	rBV4	1501	4850	0.35%	0.064%
22	11.639	1079	1085	1089	rVB2	1099	2043	0.15%	0.027%
23	11.828	1105	1113	1121	rBV4	853	2978	0.21%	0.039%
24	11.929	1121	1128	1137	rVB5	1976	4908	0.35%	0.065%
25	12.043	1137	1145	1167	rBV	450392	879159	62.82%	11.660%
26	12.245	1171	1175	1181	rVB3	2054	5179	0.37%	0.069%
27	12.366	1181	1193	1199	rBV5	1592	6348	0.45%	0.084%
28	12.481	1199	1210	1223	rBV4	8383	28983	2.07%	0.384%
29	12.616	1225	1230	1235	rVB5	1329	2527	0.18%	0.034%
30	12.717	1241	1245	1253	rBB2	1036	2011	0.14%	0.027%
31	12.798	1253	1257	1261	rBV3	1561	2341	0.17%	0.031%
32	12.858	1261	1266	1279	rVB4	1752	4502	0.32%	0.060%
33	12.986	1279	1285	1303	rBV5	672	3291	0.24%	0.044%
34	13.202	1309	1317	1325	rVB3	1658	3085	0.22%	0.041%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59981.D
Acq On : 6 Oct 2013 12:09 pm
Operator : krystend
Sample : mc24774-1
Misc : MS30130,MSM2079,4.893,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130925S.M
Title : SW-846 Method 8260

35	13.323	1329	1335	1341	rBV5	2880	7298	0.52%	0.097%
36	13.505	1349	1362	1391	rVB	425378	823392	58.84%	10.920%
37	13.896	1407	1420	1425	rBV3	2518	7403	0.53%	0.098%
38	13.970	1425	1431	1441	rVV5	4162	8934	0.64%	0.118%
39	14.131	1441	1455	1465	rVB6	6000	22400	1.60%	0.297%
40	14.232	1465	1470	1475	rVB3	2318	4728	0.34%	0.063%
41	14.307	1475	1481	1487	rBV5	2918	5937	0.42%	0.079%
42	14.428	1487	1499	1511	rVB10	4844	18514	1.32%	0.246%
43	14.542	1511	1516	1523	rBV3	7305	12727	0.91%	0.169%
44	14.738	1523	1545	1555	rBV	332280	667372	47.69%	8.851%
45	14.940	1571	1575	1599	rVB5	9812	29733	2.12%	0.394%
46	15.128	1599	1603	1607	rBV4	2416	4479	0.32%	0.059%
47	15.243	1615	1620	1625	rBV6	3834	6561	0.47%	0.087%
48	15.310	1625	1630	1637	rBV6	9483	16685	1.19%	0.221%
49	15.418	1637	1646	1651	rBV8	10477	27090	1.94%	0.359%
50	15.593	1669	1672	1685	rBV7	4267	11624	0.83%	0.154%
51	15.802	1685	1703	1719	rVV4	15554	59329	4.24%	0.787%
52	15.943	1719	1724	1729	rVV5	3977	8960	0.64%	0.119%
53	16.071	1729	1743	1783	rVB	471791	911488	65.13%	12.089%
54	16.691	1829	1835	1841	rBV4	8928	22076	1.58%	0.293%
55	19.972	1841	2322	2341	rVV4	13600	1399409	100.00%	18.560%

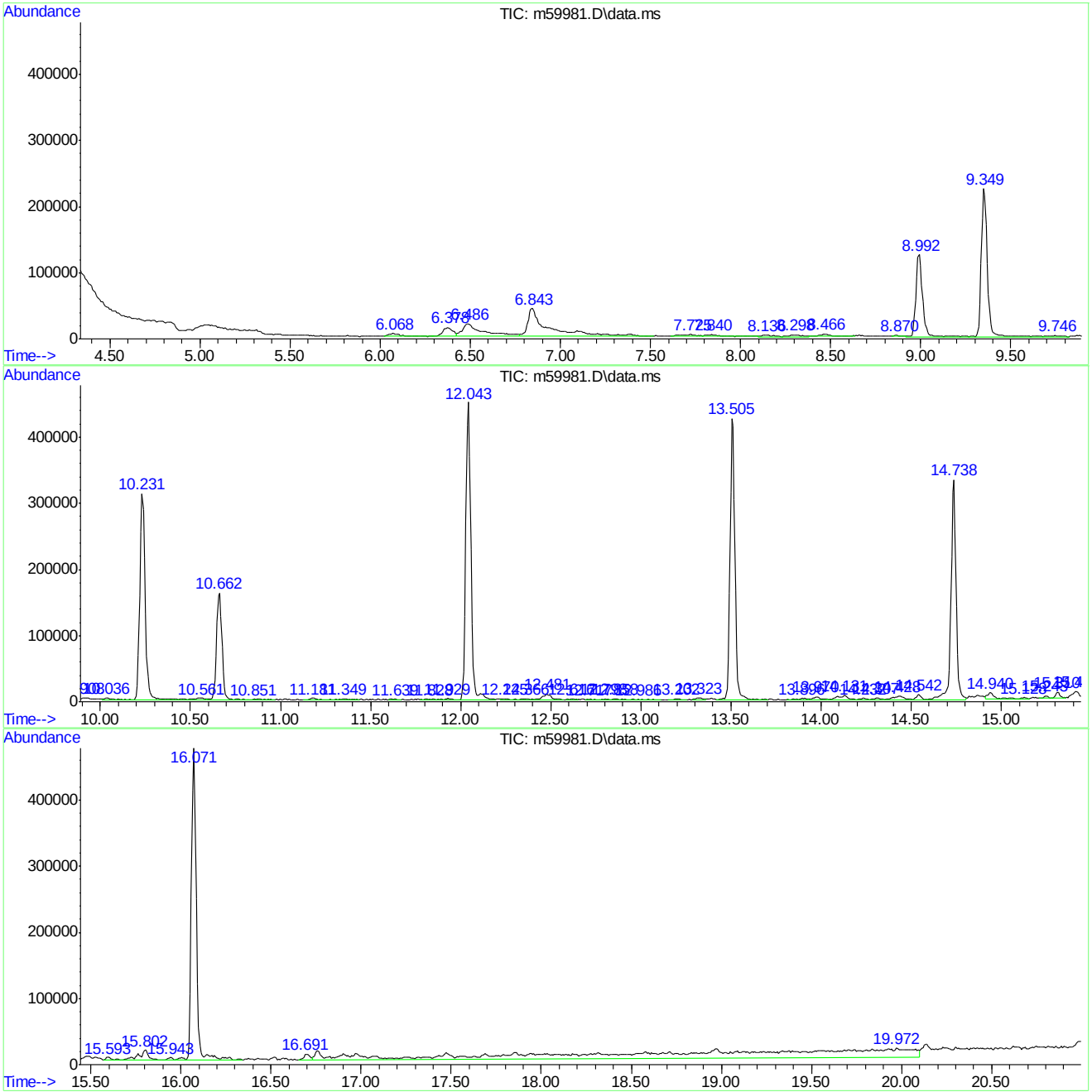
Sum of corrected areas: 7539887

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59981.D
Acq On : 6 Oct 2013 12:09 pm
Operator : krystend
Sample : mc24774-1
Misc : MS30130,MSM2079,4.893,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59981.D
Acq On : 6 Oct 2013 12:09 pm
Operator : krystend
Sample : mc24774-1
Misc : MS30130,MSM2079,4.893,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59981.D
Acq On : 6 Oct 2013 12:09 pm
Operator : krystend
Sample : mc24774-1
Misc : MS30130,MSM2079,4.893,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59982.D
Acq On : 6 Oct 2013 12:39 pm
Operator : krystend
Sample : mc24774-4
Misc : MS30130,MSM2079,5.159,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 07 08:48:25 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

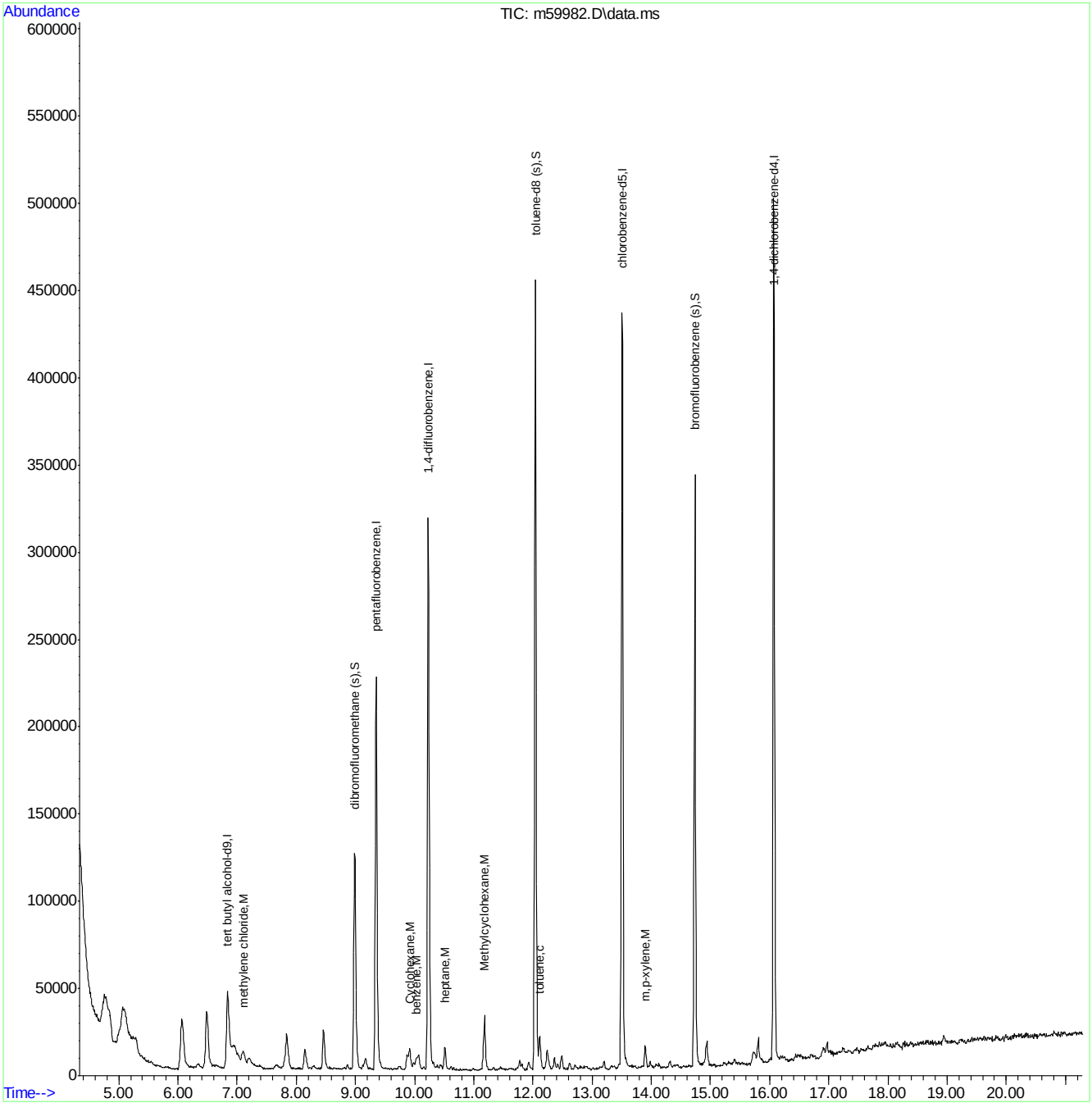
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	139730	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	181609	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	297798	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	127289	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	146716	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	93217	43.60	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.20%			
59) toluene-d8 (s)	12.043	98	330125	42.07	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.14%			
81) bromofluorobenzene (s)	14.738	95	122030	45.56	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.12%			
Target Compounds						Qvalue
18) methylene chloride	7.105	84	3426	1.55	ug/kg#	81
43) Cyclohexane	9.914	56	8327	2.06	ug/kg#	82
46) benzene	10.029	78	6531	0.71	ug/kg	93
49) heptane	10.507	43	8300	1.97	ug/kg	91
54) Methylcyclohexane	11.181	83	12948	3.38	ug/kg	86
61) toluene	12.110	92	7657	1.31	ug/kg	90
74) m,p-xylene	13.896	106	4697	0.96	ug/kg	88

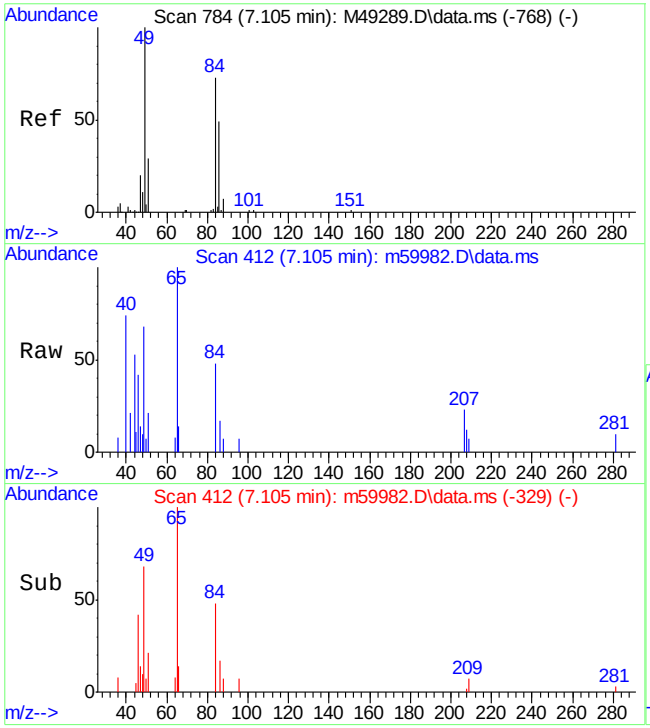
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59982.D
Acq On : 6 Oct 2013 12:39 pm
Operator : krystend
Sample : mc24774-4
Misc : MS30130,MSM2079,5.159,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 07 08:48:25 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

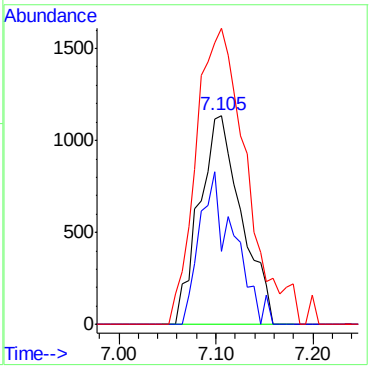


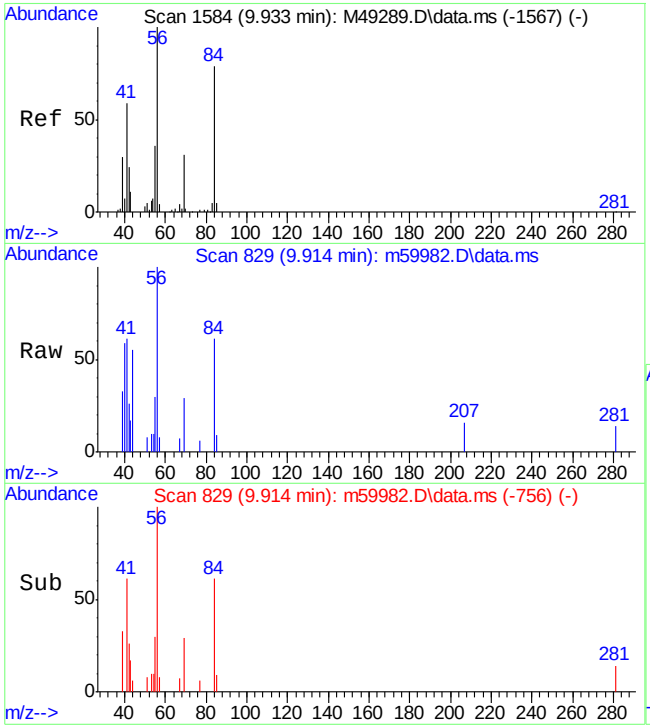


#18
methylene chloride
Concen: 1.55 ug/kg
RT: 7.105 min Scan# 412
Delta R.T. -0.001 min
Lab File: m59982.D
Acq: 6 Oct 2013 12:39 pm

Tgt Ion: 84 Resp: 3426

Ion	Ratio	Lower	Upper
84	100		
86	35.2	37.2	97.2#
49	141.9	125.7	185.7

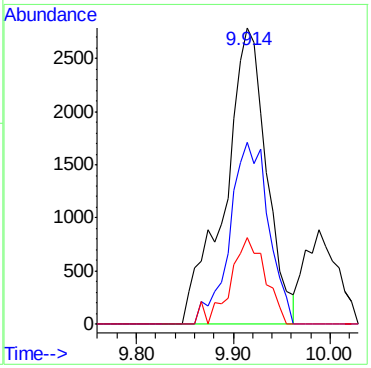


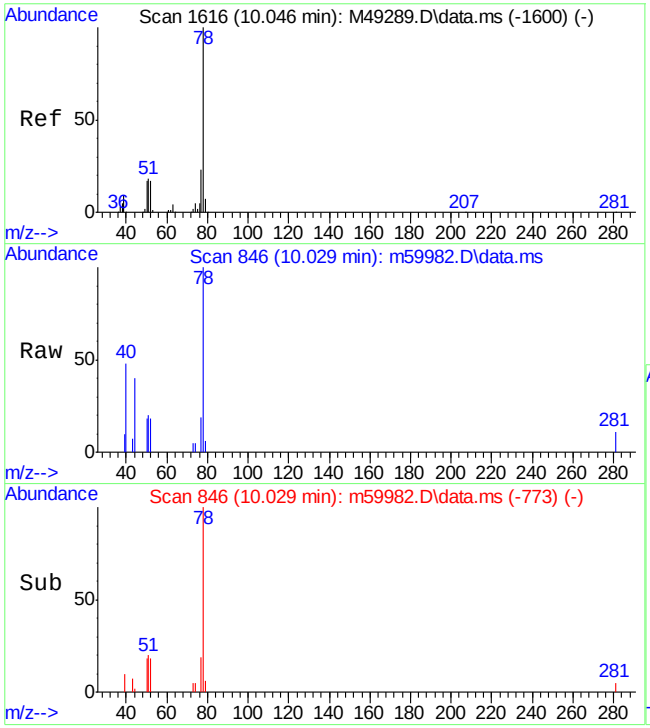


#43
Cyclohexane
Concen: 2.06 ug/kg
RT: 9.914 min Scan# 829
Delta R.T. -0.007 min
Lab File: m59982.D
Acq: 6 Oct 2013 12:39 pm

Tgt Ion: 56 Resp: 8327

Ion	Ratio	Lower	Upper
56	100		
84	61.5	61.8	101.8#
69	29.1	7.1	47.1

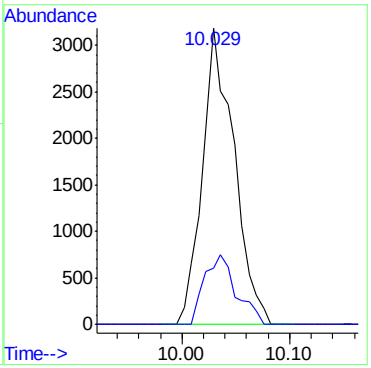


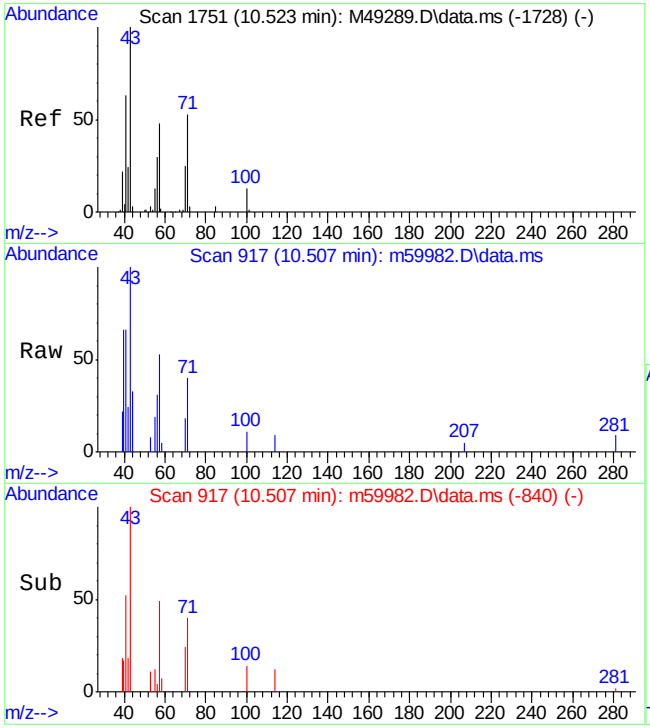


#46
benzene
Concen: 0.71 ug/kg
RT: 10.029 min Scan# 846
Delta R.T. -0.000 min
Lab File: m59982.D
Acq: 6 Oct 2013 12:39 pm

Tgt Ion: 78 Resp: 6531

Ion	Ratio	Lower	Upper
78	100		
77	19.1	0.0	52.6

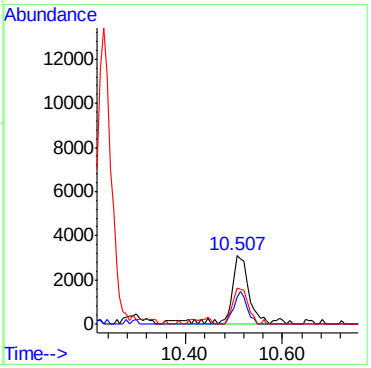


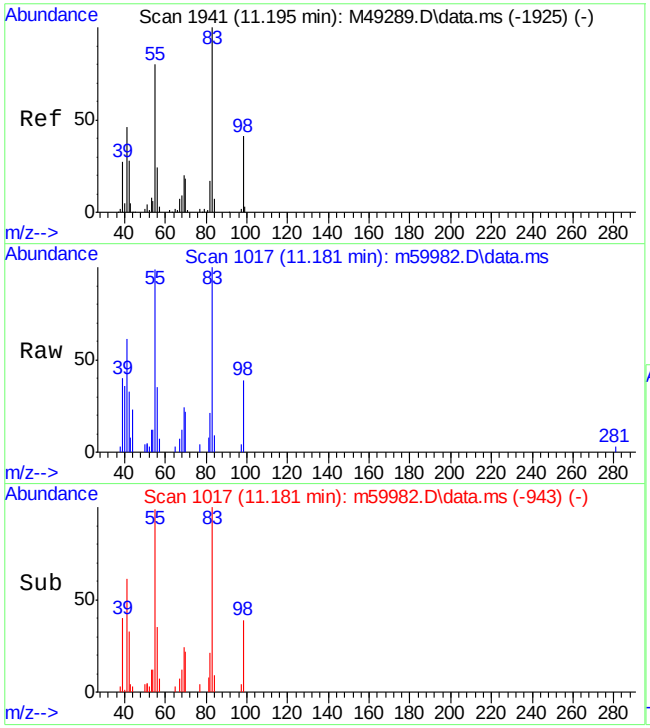


#49
heptane
Concen: 1.97 ug/kg
RT: 10.507 min Scan# 917
Delta R.T. 0.000 min
Lab File: m59982.D
Acq: 6 Oct 2013 12:39 pm

Tgt Ion: 43 Resp: 8300

Ion	Ratio	Lower	Upper
43	100		
71	39.9	18.2	78.2
57	53.2	18.7	78.7

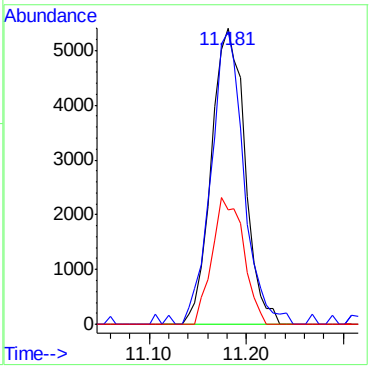


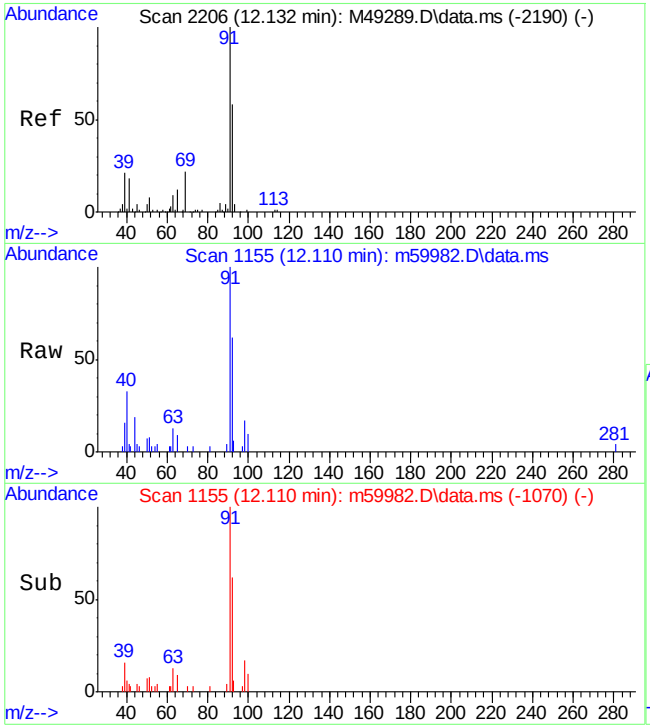


#54
Methylcyclohexane
Concen: 3.38 ug/kg
RT: 11.181 min Scan# 1017
Delta R.T. -0.000 min
Lab File: m59982.D
Acq: 6 Oct 2013 12:39 pm

Tgt Ion: 83 Resp: 12948

Ion	Ratio	Lower	Upper
83	100		
55	99.0	63.6	103.6
98	38.7	23.6	63.6

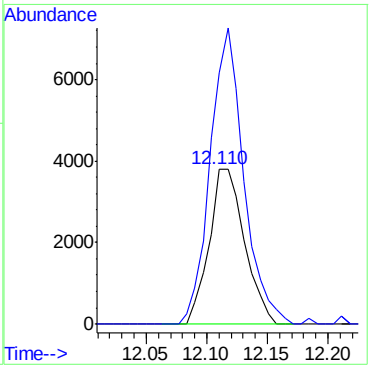


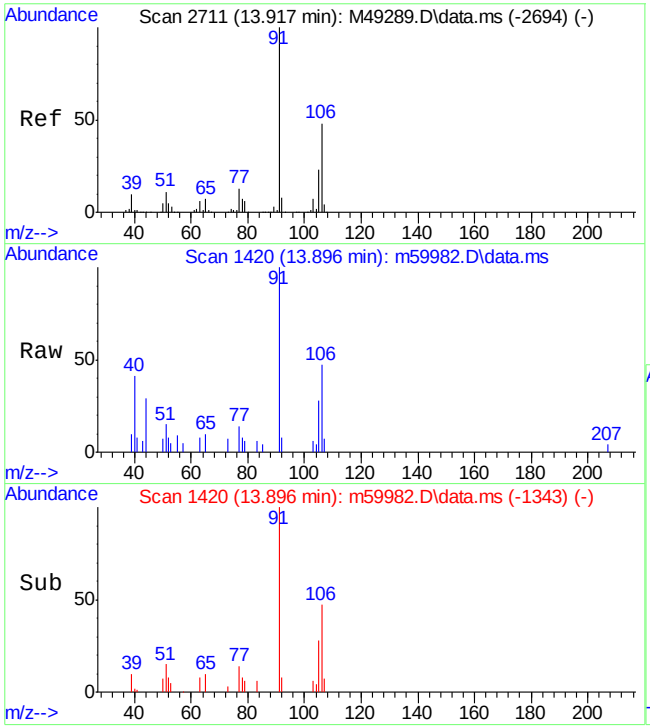


#61
toluene
Concen: 1.31 ug/kg
RT: 12.110 min Scan# 1155
Delta R.T. -0.007 min
Lab File: m59982.D
Acq: 6 Oct 2013 12:39 pm

Tgt Ion: 92 Resp: 7657

Ion	Ratio	Lower	Upper
92	100		
91	161.8	145.9	205.9

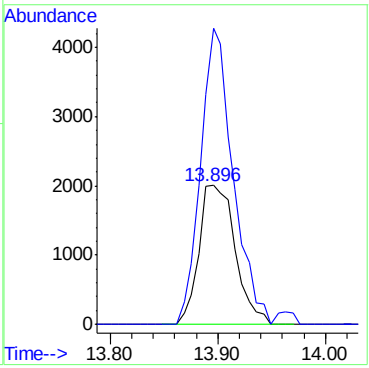




#74
m,p-xylene
Concen: 0.96 ug/kg
RT: 13.896 min Scan# 1420
Delta R.T. -0.000 min
Lab File: m59982.D
Acq: 6 Oct 2013 12:39 pm

Tgt Ion:106 Resp: 4697

Ion	Ratio	Lower	Upper
106	100		
91	213.6	166.0	226.0



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59982.D
Acq On : 6 Oct 2013 12:39 pm
Operator : krystend
Sample : mc24774-4
Misc : MS30130,MSM2079,5.159,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130925S.M
Title : SW-846 Method 8260

Signal : TIC: m59982.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.068	247	258	293	rBV2	29179	128193	13.55%	2.126%
2	6.337	293	298	309	rVB7	2879	10291	1.09%	0.171%
3	6.486	309	320	363	rBV2	32595	126509	13.38%	2.098%
4	6.836	363	372	405	rBV	44272	247667	26.19%	4.108%
5	7.671	487	496	507	rBV4	2602	13412	1.42%	0.222%
6	7.840	507	521	537	rVB	20273	72095	7.62%	1.196%
7	8.149	559	567	583	rVB2	11859	34850	3.68%	0.578%
8	8.298	583	589	603	rBV6	1957	7704	0.81%	0.128%
9	8.459	603	613	659	rBV2	22835	65512	6.93%	1.087%
10	8.810	659	665	669	rBV3	1203	2452	0.26%	0.041%
11	8.864	669	673	679	rVB2	2422	4789	0.51%	0.079%
12	8.985	683	691	709	rBV	123586	302083	31.94%	5.010%
13	9.173	709	719	735	rVB7	6349	23900	2.53%	0.396%
14	9.349	735	745	797	rBV	225366	502588	53.14%	8.336%
15	9.759	797	806	815	rVB5	1877	5295	0.56%	0.088%
16	9.914	815	829	837	rBV5	12031	49581	5.24%	0.822%
17	10.069	843	852	861	rVB7	8167	30817	3.26%	0.511%
18	10.231	861	876	903	rVV	315957	658326	69.61%	10.919%
19	10.447	903	908	911	rVV5	3057	6413	0.68%	0.106%
20	10.507	911	917	927	rVV3	12725	28846	3.05%	0.478%
21	10.615	927	933	961	rVB4	2009	7733	0.82%	0.128%
22	10.992	985	989	1005	rBV4	1005	3433	0.36%	0.057%
23	11.181	1005	1017	1029	rVV2	31654	78384	8.29%	1.300%
24	11.336	1029	1040	1049	rVV5	1474	4857	0.51%	0.081%
25	11.444	1049	1056	1069	rVB6	2150	7161	0.76%	0.119%
26	11.774	1093	1105	1119	rBV5	5730	18141	1.92%	0.301%
27	11.929	1119	1128	1137	rBV6	4474	11670	1.23%	0.194%
28	12.043	1137	1145	1153	rBV	452106	862015	91.14%	14.297%
29	12.238	1165	1174	1185	rBV4	10800	29114	3.08%	0.483%
30	12.366	1185	1193	1205	rVB6	6988	19270	2.04%	0.320%
31	12.488	1205	1211	1223	rVB2	7991	18121	1.92%	0.301%
32	12.616	1223	1230	1237	rBV3	3590	8473	0.90%	0.141%
33	12.703	1237	1243	1251	rVB6	2742	6490	0.69%	0.108%
34	12.798	1251	1257	1263	rBV4	2108	4980	0.53%	0.083%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59982.D
Acq On : 6 Oct 2013 12:39 pm
Operator : krystend
Sample : mc24774-4
Misc : MS30130,MSM2079,5.159,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130925S.M
Title : SW-846 Method 8260

35	13.013	1285	1289	1297	rBV3	1291	3492	0.37%	0.058%	
36	13.209	1313	1318	1327	rVB4	4992	11643	1.23%	0.193%	
37	13.330	1327	1336	1347	rBV7	2464	13434	1.42%	0.223%	
38	13.505	1351	1362	1401	rVV	433347	846847	89.54%	14.045%	
39	13.896	1411	1420	1427	rBV	12455	24685	2.61%	0.409%	
40	13.983	1427	1433	1445	rVB7	3511	5379	0.57%	0.089%	
41	14.320	1475	1483	1525	rBV10	3673	21565	2.28%	0.358%	
42	14.738	1535	1545	1567	rBV	339855	634603	67.10%	10.525%	
43	14.940	1567	1575	1613	rVB	14635	40896	4.32%	0.678%	
44	15.223	1613	1617	1625	rVB10	1944	4262	0.45%	0.071%	
45	15.304	1625	1629	1639	rBV8	2983	8225	0.87%	0.136%	
46	15.398	1639	1643	1685	rBV8	2985	12173	1.29%	0.202%	
47	15.728	1685	1692	1699	rBV9	6859	25167	2.66%	0.417%	
48	15.809	1699	1704	1733	rVV4	13748	29978	3.17%	0.497%	
49	16.071	1733	1743	1861	rVV	494177	945801	100.00%	15.687%	

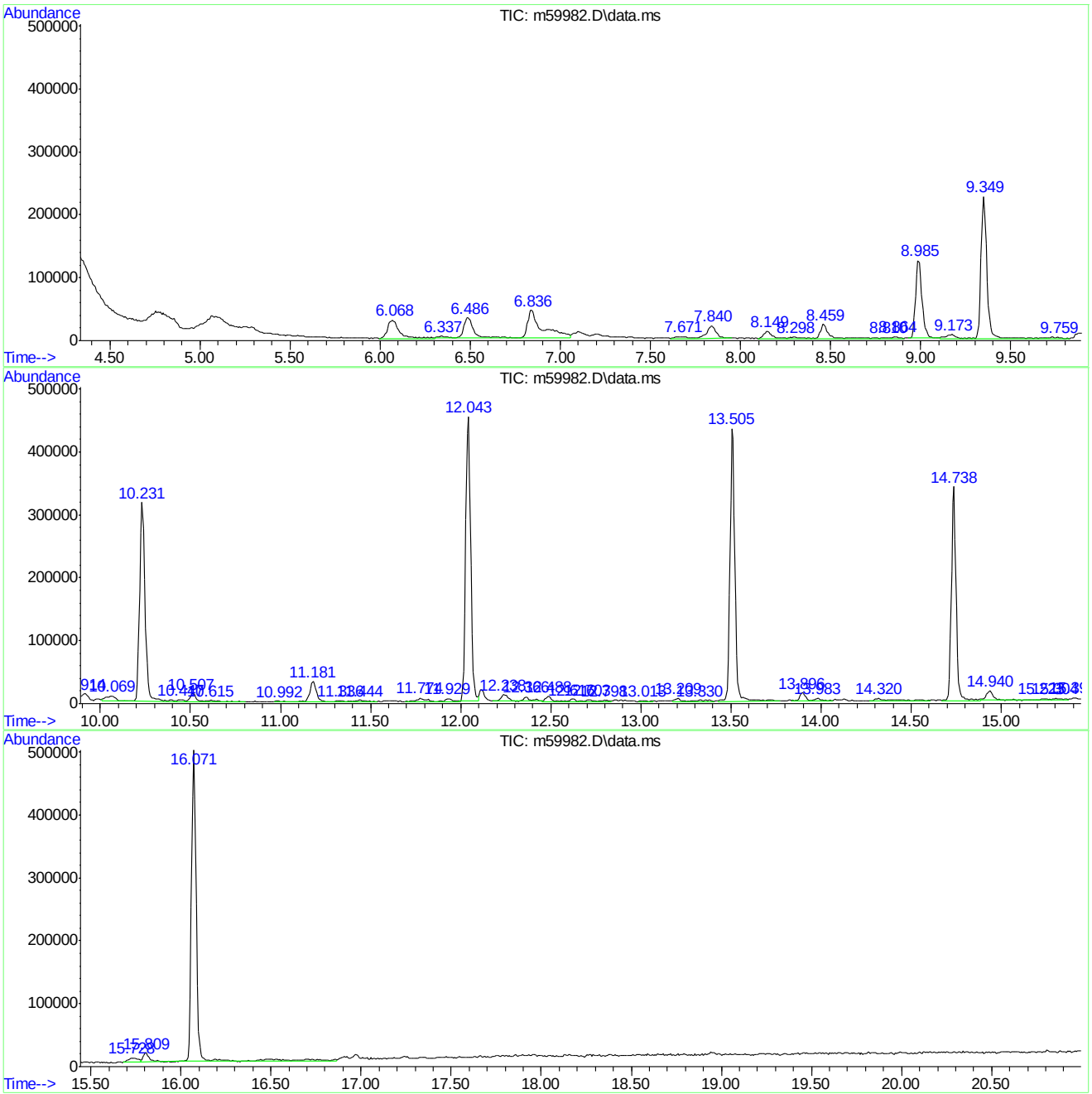
Sum of corrected areas: 6029315

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59982.D
Acq On : 6 Oct 2013 12:39 pm
Operator : krystend
Sample : mc24774-4
Misc : MS30130,MSM2079,5.159,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59982.D
Acq On : 6 Oct 2013 12:39 pm
Operator : krystend
Sample : mc24774-4
Misc : MS30130,MSM2079,5.159,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

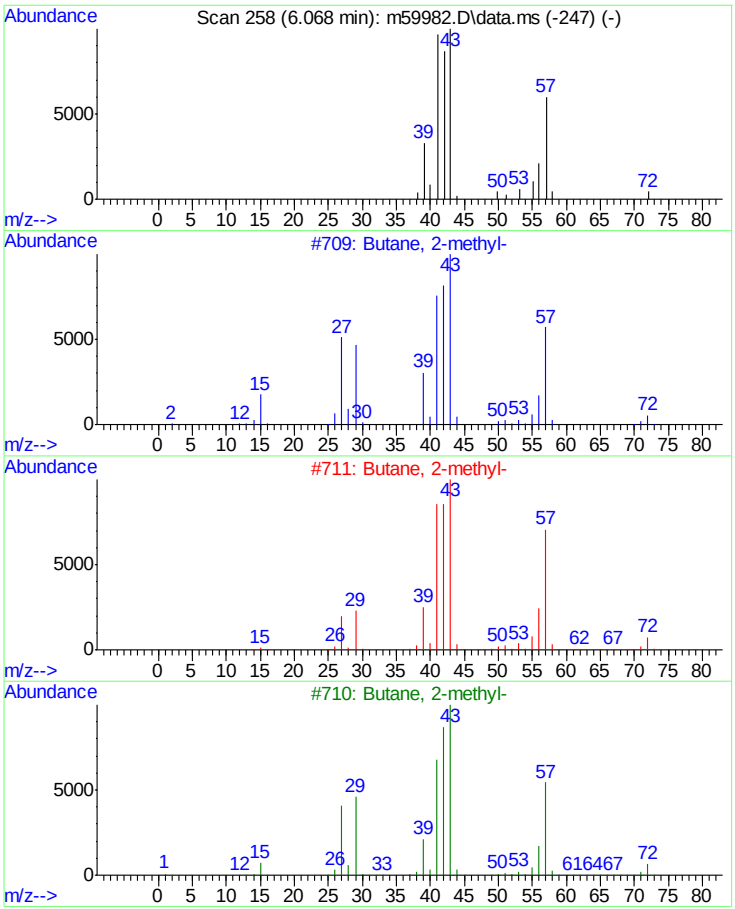
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

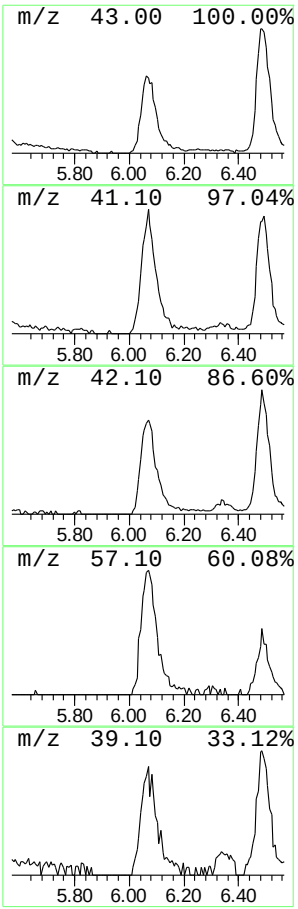
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.068	12.75 ug/kg	128193	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	86
2	Butane, 2-methyl-	72	C5H12	000078-78-4	83
3	Butane, 2-methyl-	72	C5H12	000078-78-4	64
4	2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	33
5	Butane, 2-nitro-	103	C4H9NO2	000600-24-8	17





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59982.D
Acq On : 6 Oct 2013 12:39 pm
Operator : krystend
Sample : mc24774-4
Misc : MS30130,MSM2079,5.159,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

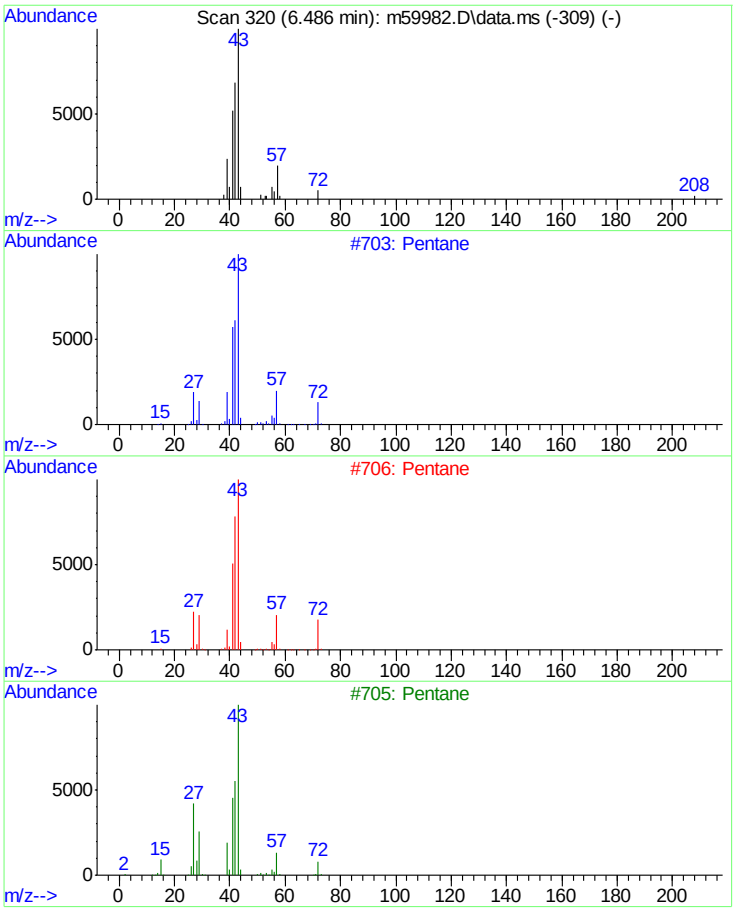
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

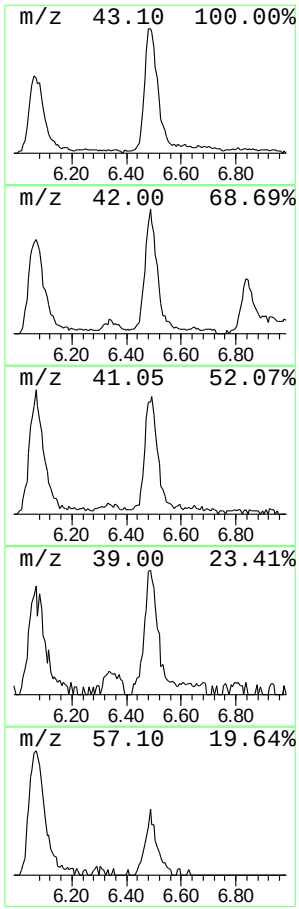
****

Peak Number 2 Pentane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.486	12.59 ug/kg	126509	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	78
3	Pentane	72	C5H12	000109-66-0	64
4	Butane, 2-methyl-	72	C5H12	000078-78-4	50
5	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	40





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59982.D
Acq On : 6 Oct 2013 12:39 pm
Operator : krystend
Sample : mc24774-4
Misc : MS30130,MSM2079,5.159,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

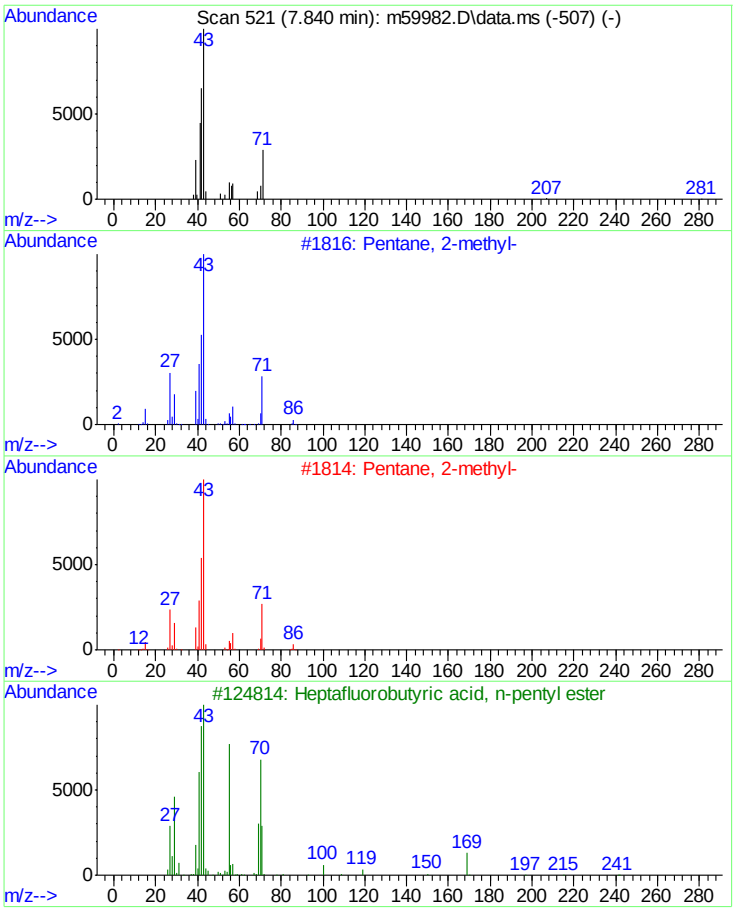
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

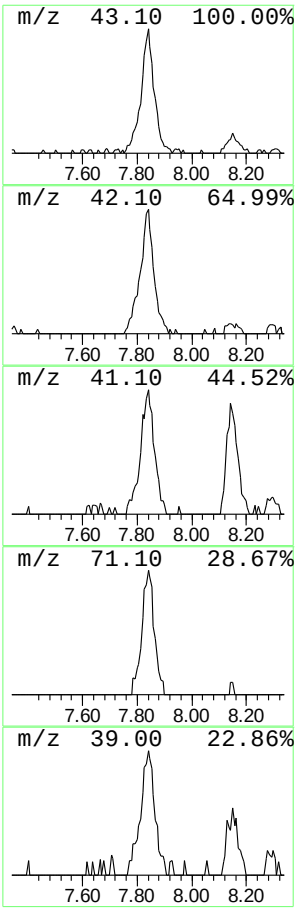
****

Peak Number 3 Pentane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.840	7.17 ug/kg	72095	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	78
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
3	Heptafluorobutyric acid, n-penty...	284	C9H11F7O2	000425-26-3	56
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	50
5	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	36





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59982.D
Acq On : 6 Oct 2013 12:39 pm
Operator : krystend
Sample : mc24774-4
Misc : MS30130,MSM2079,5.159,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

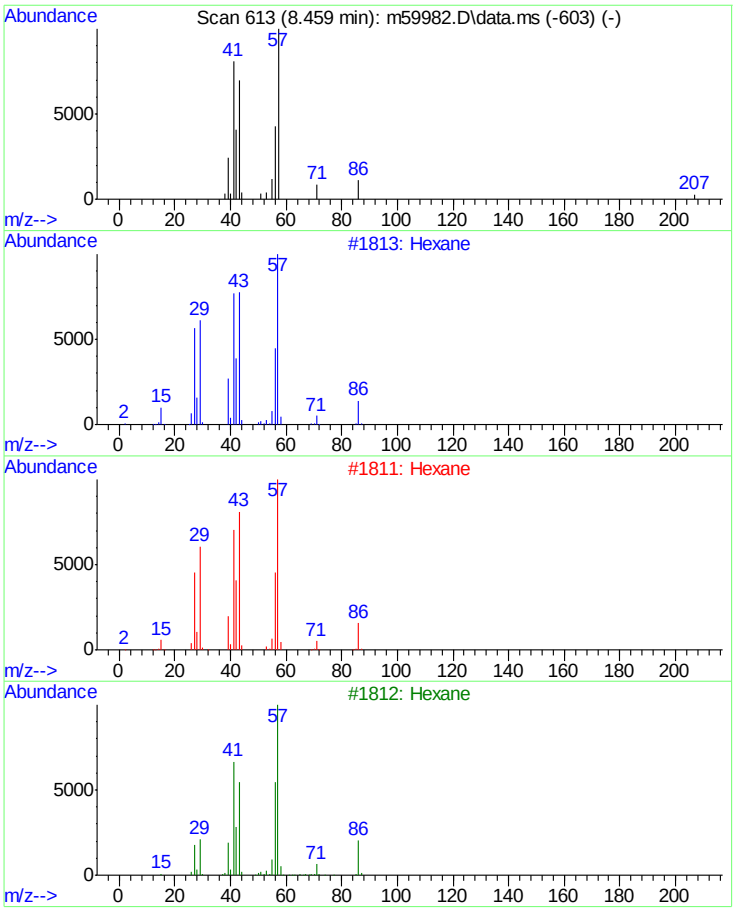
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

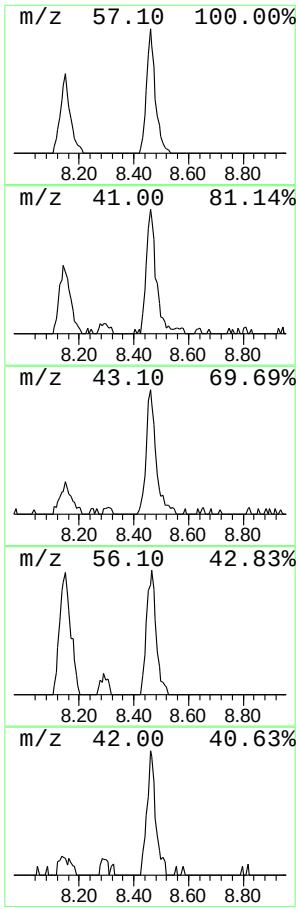
****

Peak Number 4 Hexane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.459	6.52 ug/kg	65512	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	87
2	Hexane	86	C6H14	000110-54-3	64
3	Hexane	86	C6H14	000110-54-3	40
4	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	38
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	38





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59982.D
Acq On : 6 Oct 2013 12:39 pm
Operator : krystend
Sample : mc24774-4
Misc : MS30130,MSM2079,5.159,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	6.068	12.8	ug/kg	128193	2	9.349	502588	50.0
Pentane	6.486	12.6	ug/kg	126509	2	9.349	502588	50.0
Pentane, 2-methyl-	7.840	7.2	ug/kg	72095	2	9.349	502588	50.0
Hexane	8.459	6.5	ug/kg	65512	2	9.349	502588	50.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59978.D
Acq On : 6 Oct 2013 10:40 am
Operator : krystend
Sample : mb
Misc : MS30130,MSM2079,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 06 11:03:12 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

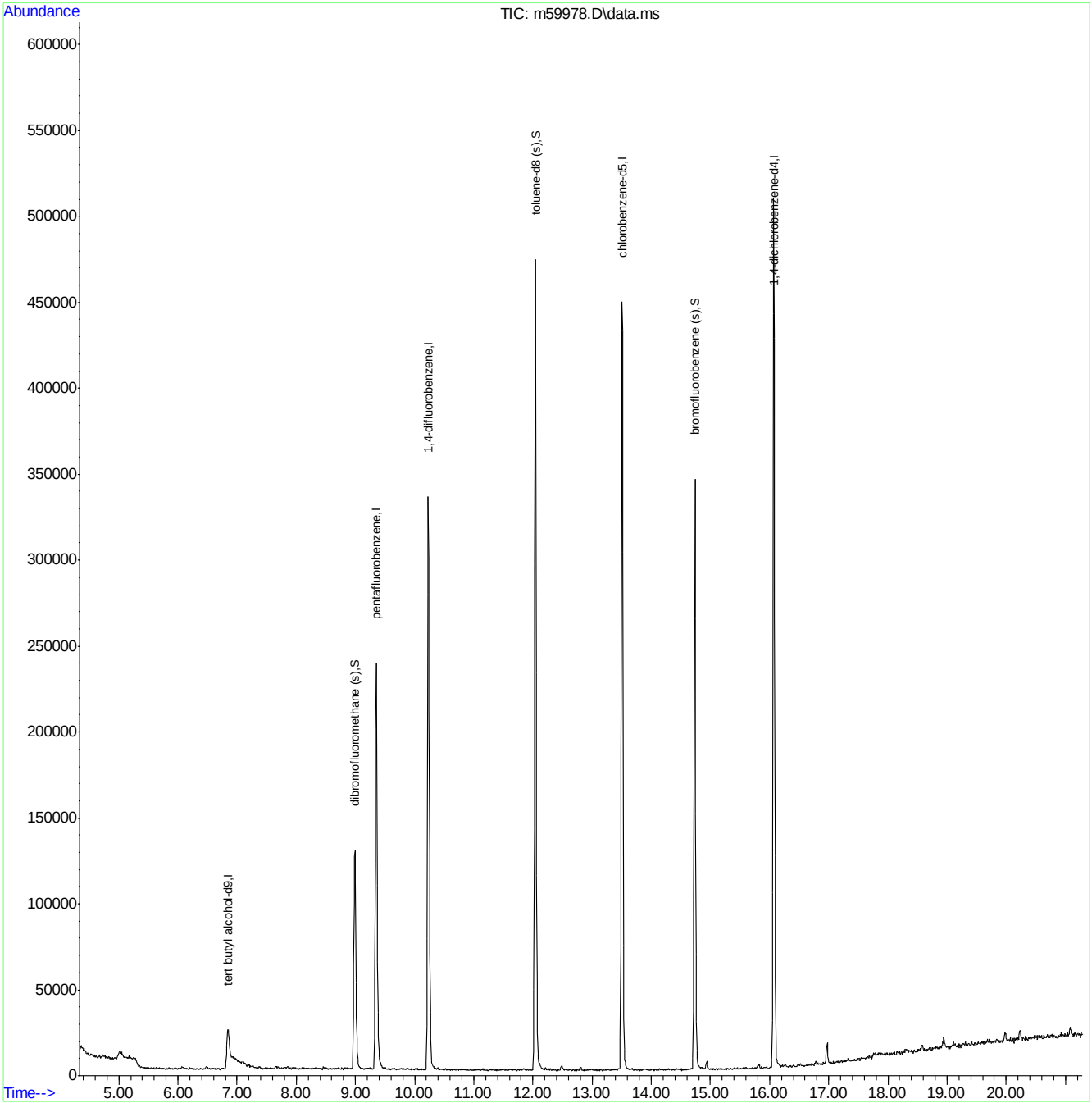
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	82154	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	194071	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	316975	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	132470	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	151628	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.991	113	95418	41.76	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.52%			
59) toluene-d8 (s)	12.043	98	345690	41.39	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 82.78%			
81) bromofluorobenzene (s)	14.738	95	123573	44.64	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.28%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59978.D
Acq On : 6 Oct 2013 10:40 am
Operator : krystend
Sample : mb
Misc : MS30130,MSM2079,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 06 11:03:12 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24774

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59978.D
Acq On : 6 Oct 2013 10:40 am
Operator : krystend
Sample : mb
Misc : MS30130,MSM2079,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130925S.M
Title : SW-846 Method 8260

Signal : TIC: m59978.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.947	221	240	251	rBV4	933	4920	0.53%	0.096%
2	6.061	251	257	275	rVB4	1687	5843	0.63%	0.114%
3	6.843	363	373	519	rVB2	22453	163366	17.50%	3.189%
4	8.459	611	613	627	rVB4	1550	4436	0.48%	0.087%
5	8.810	655	665	683	rBV4	1103	5836	0.63%	0.114%
6	8.991	683	692	735	rVB	127114	313434	33.57%	6.119%
7	9.349	735	745	765	rBV	236101	520646	55.76%	10.165%
8	9.665	781	792	801	rBV4	1018	3547	0.38%	0.069%
9	10.231	867	876	915	rVV	333592	681832	73.03%	13.312%
10	10.521	915	919	935	rVB4	865	3315	0.36%	0.065%
11	10.804	953	961	993	rBV4	988	5697	0.61%	0.111%
12	11.181	1007	1017	1025	rVB2	1302	4105	0.44%	0.080%
13	11.316	1025	1037	1047	rBV3	858	4569	0.49%	0.089%
14	11.841	1111	1115	1135	rBV5	885	3774	0.40%	0.074%
15	12.043	1135	1145	1187	rVV	471865	917402	98.25%	17.911%
16	12.380	1187	1195	1201	rVB4	841	2991	0.32%	0.058%
17	12.488	1201	1211	1225	rBV4	2848	10605	1.14%	0.207%
18	12.798	1247	1257	1271	rBV4	1812	4403	0.47%	0.086%
19	13.505	1349	1362	1391	rVB	447134	853324	91.39%	16.660%
20	14.010	1431	1437	1443	rVB3	926	2583	0.28%	0.050%
21	14.131	1443	1455	1467	rBV3	1154	5905	0.63%	0.115%
22	14.738	1531	1545	1569	rBV	343437	636061	68.12%	12.418%
23	14.940	1569	1575	1583	rVB3	4761	8542	0.91%	0.167%
24	15.809	1699	1704	1715	rVB6	2790	5959	0.64%	0.116%
25	16.071	1729	1743	1789	rBV	506509	933696	100.00%	18.229%
26	16.785	1843	1849	1871	rBV9	3010	15272	1.64%	0.298%

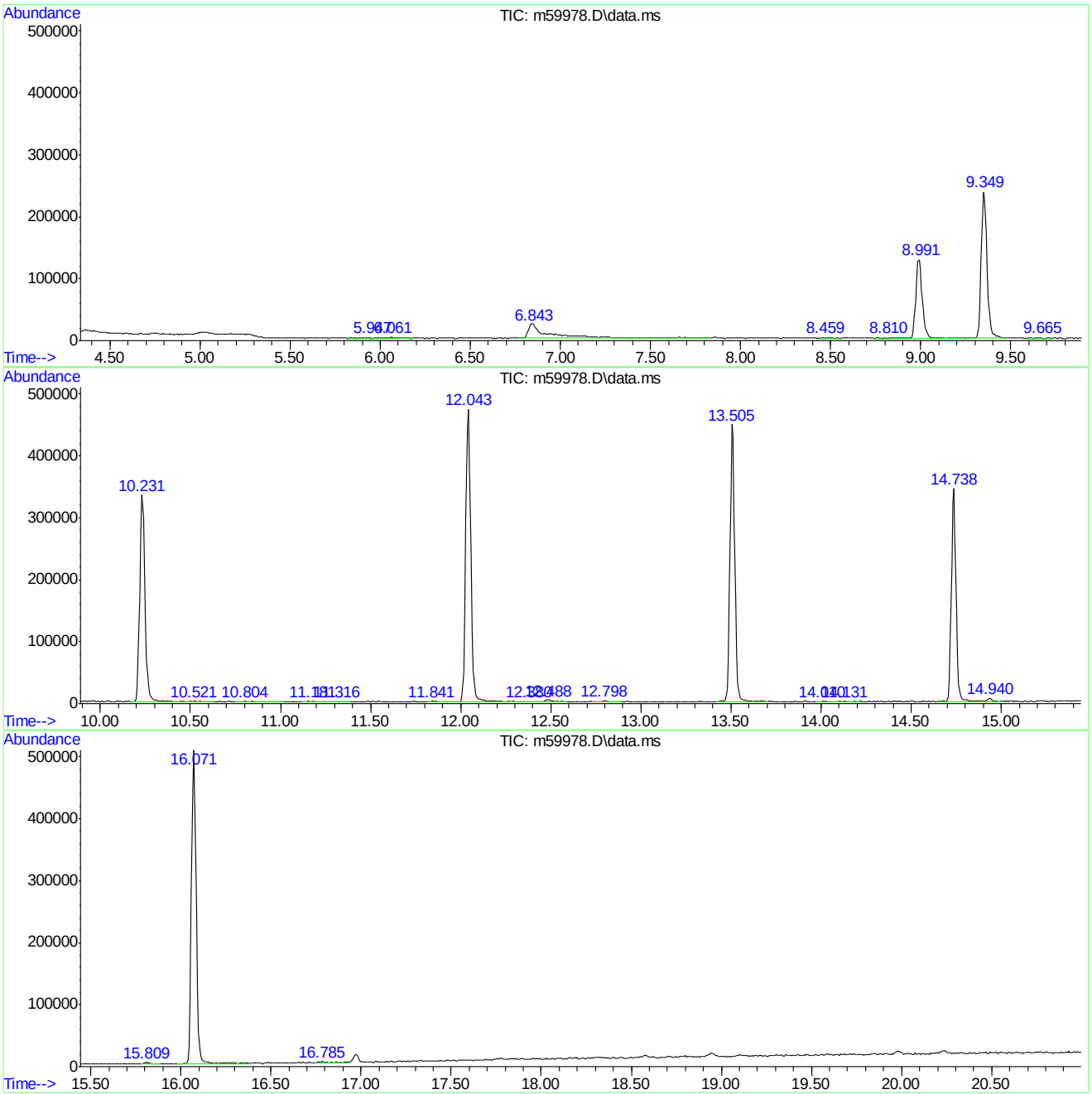
Sum of corrected areas: 5122063

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59978.D
Acq On : 6 Oct 2013 10:40 am
Operator : krystend
Sample : mb
Misc : MS30130,MSM2079,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59978.D
Acq On : 6 Oct 2013 10:40 am
Operator : krystend
Sample : mb
Misc : MS30130,MSM2079,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59978.D
Acq On : 6 Oct 2013 10:40 am
Operator : krystend
Sample : mb
Misc : MS30130,MSM2079,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 10/07/13 12:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59975.D
Acq On : 6 Oct 2013 9:11 am
Operator : krystend
Sample : bs
Misc : MS30123,MSM2079,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 06 09:46:13 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	78148	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	207601	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	335727	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	149552	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	187930	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	100830	41.26	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 82.52%			
59) toluene-d8 (s)		12.043	98	362396	40.97	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 81.94%			
81) bromofluorobenzene (s)		14.738	95	139345	40.62	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 81.24%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.937	59	158585	613.34	ug/kg	96
3) Ethanol		5.657	45	106686	4212.45	ug/kg	99
5) dichlorodifluoromethane		4.431	85	107183	39.12	ug/kg	96
6) chloromethane		4.701	50	242469	54.29	ug/kg	98
7) vinyl chloride		4.963	62	193435	43.61	ug/kg	97
8) bromomethane	...	5.496	96	115193	53.81	ug/kg	99
9) chloroethane		5.671	64	86355m	57.11	ug/kg	
10) ethyl ether		6.573	59	101713	53.35	ug/kg	94
11) acetonitrile		6.573	41	30342	50.62	ug/kg	90
12) trichlorofluoromethane		6.331	101	211815	55.35	ug/kg	99
13) freon-113		7.153	101	116684	57.77	ug/kg	85
14) acrolein		6.331	56	62457	144.15	ug/kg	98
15) 1,1-dichloroethene		6.951	96	126907	54.33	ug/kg	90
16) acetone		6.472	58	16015m	67.78	ug/kg	
17) Methyl Acetate		7.126	43	142199	39.81	ug/kg	92
18) methylene chloride		7.106	84	142192	56.44	ug/kg	95
19) methyl tert butyl ether		7.907	73	264680	50.85	ug/kg	93
20) acrylonitrile		7.005	53	51794	52.68	ug/kg	82
21) allyl chloride		7.200	41	238972	51.83	ug/kg	90
22) trans-1,2-dichloroethene		7.813	96	138374	54.66	ug/kg	99
23) iodomethane		7.005	142	262314	54.85	ug/kg	98
24) carbon disulfide		7.395	76	406246	56.10	ug/kg	100
25) propionitrile		8.103	54	17322	47.07	ug/kg	100
26) vinyl acetate		8.177	43	169189	30.23	ug/kg	99
27) chloroprene		8.446	53	239770	59.44	ug/kg	94
28) di-isopropyl ether		8.480	45	509354	50.77	ug/kg	99
29) methacrylonitrile		8.601	41	79017	50.71	ug/kg	94
30) 2-butanone		8.493	72	19556	71.94	ug/kg#	1
31) 1,1-dichloroethane		8.069	63	244037	58.56	ug/kg	98
32) tert-butyl ethyl ether		8.884	59	359419	52.17	ug/kg	99
33) isobutyl alcohol		8.884	43	88639	242.74	ug/kg	97
34) 2,2-dichloropropane		8.951	77	152220	58.90	ug/kg	97
35) cis-1,2-dichloroethene		8.655	96	149484	51.44	ug/kg	99
36) ethyl acetate		8.884	43	88924	48.80	ug/kg	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59975.D
Acq On : 6 Oct 2013 9:11 am
Operator : krystend
Sample : bs
Misc : MS30123,MSM2079,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 06 09:46:13 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	81734	57.59	ug/kg	95
38) chloroform	8.864	83	235708	57.35	ug/kg	97
40) Tetrahydrofuran	9.194	42	43001	44.73	ug/kg	96
41) 1,1,1-trichloroethane	9.632	97	205478	59.11	ug/kg	98
43) Cyclohexane	9.915	56	225380	49.41	ug/kg	90
44) carbon tetrachloride	10.002	117	208804	57.22	ug/kg	100
45) 1,1-dichloropropene	9.800	75	168212	51.92	ug/kg	96
46) benzene	10.029	78	523188	50.28	ug/kg	100
47) 1,2-dichloroethane	9.524	62	175335	50.67	ug/kg	99
48) tert-amyl methyl ether	10.150	73	267635	49.98	ug/kg	98
49) heptane	10.507	43	241085	50.74	ug/kg	95
50) trichloroethene	10.656	95	143771	49.86	ug/kg	87
51) 1,2-dichloropropane	10.622	63	144078	50.02	ug/kg	98
52) dibromomethane	10.602	93	84304	55.21	ug/kg	88
53) bromodichloromethane	10.710	83	184095	52.07	ug/kg	99
54) Methylcyclohexane	11.181	83	228269	52.92	ug/kg	94
55) 2-chloroethyl vinyl ether	11.087	63	33945	33.15	ug/kg	99
56) methyl methacrylate	10.804	69	73277	48.43	ug/kg	97
57) 1,4-dioxane	10.797	88	5373	228.67	ug/kg	95
58) cis-1,3-dichloropropene	11.336	75	200868	49.69	ug/kg	92
60) 4-methyl-2-pentanone	11.424	43	148750	48.20	ug/kg	99
61) toluene	12.111	92	345972	52.64	ug/kg	97
62) trans-1,3-dichloropropene	11.754	75	180024	52.92	ug/kg	93
63) 1,1,2-trichloroethane	11.929	83	93172	49.22	ug/kg	89
64) ethyl methacrylate	12.124	69	138980	43.99	ug/kg	91
66) tetrachloroethene	12.858	166	159191	50.87	ug/kg	98
67) 1,3-dichloropropane	12.165	76	178916	46.04	ug/kg	98
68) dibromochloromethane	12.461	129	169015	48.02	ug/kg	97
69) 1,2-dibromoethane	12.710	107	126332	46.02	ug/kg	99
70) 2-hexanone	12.279	43	138101	58.37	ug/kg	99
71) chlorobenzene	13.539	112	424378	47.21	ug/kg	95
72) 1,1,1,2-tetrachloroethane	13.458	131	161494	46.11	ug/kg	99
73) ethylbenzene	13.714	91	658367	48.58	ug/kg	96
74) m,p-xylene	13.896	106	561310	97.20	ug/kg	95
75) o-xylene	14.313	106	281064	47.18	ug/kg	91
76) styrene	14.239	104	421946	47.81	ug/kg	96
77) bromoform	14.071	173	109367	49.09	ug/kg	100
78) trans-1,4-dichloro-2-b...	14.462	53	51427	46.86	ug/kg	97
80) isopropylbenzene	14.677	105	719979	47.09	ug/kg	96
82) bromobenzene	14.967	156	196720	48.31	ug/kg	87
83) 1,1,2,2-tetrachloroethane	14.320	83	164300	45.09	ug/kg	98
84) 1,2,3-trichloropropane	14.462	75	167903	45.37	ug/kg	98
85) n-propylbenzene	15.122	91	784612	47.70	ug/kg	93
86) 2-chlorotoluene	15.243	91	461956	46.35	ug/kg	92
87) 4-chlorotoluene	15.317	91	473290	48.69	ug/kg	93
88) 1,3,5-trimethylbenzene	15.398	105	606169	48.16	ug/kg	95
89) tert-butylbenzene	15.701	91	321381	45.88	ug/kg	88
90) 1,2,4-trimethylbenzene	15.809	105	605049	48.89	ug/kg	98
91) sec-butylbenzene	15.923	105	812809	46.98	ug/kg	96
92) 1,3-dichlorobenzene	16.031	146	383717	48.70	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59975.D
Acq On : 6 Oct 2013 9:11 am
Operator : krystend
Sample : bs
Misc : MS30123,MSM2079,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 06 09:46:13 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	717000	52.12	ug/kg	96
94)	1,4-dichlorobenzene	16.099	146	405176	50.82	ug/kg	97
95)	1,2-dichlorobenzene	16.469	146	374347	47.17	ug/kg	97
96)	n-butylbenzene	16.510	91	609843	51.74	ug/kg	94
97)	1,2-dibromo-3-chloropr...	16.947	75	29461	39.98	ug/kg	78
98)	1,3,5-trichlorobenzene	17.756	180	250466	49.33	ug/kg	99
99)	1,2,4-trichlorobenzene	18.301	180	233173	48.05	ug/kg	97
100)	hexachlorobutadiene	18.598	225	119589	42.54	ug/kg	100
101)	naphthalene	18.578	128	612759	42.65	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	221421	44.34	ug/kg	96
103)	2-methylnaphthalene	19.972	142	157801	21.22	ug/kg	99
104)	1-methylnaphthalene	20.221	TIC	480737	19.78	ug/kg	98

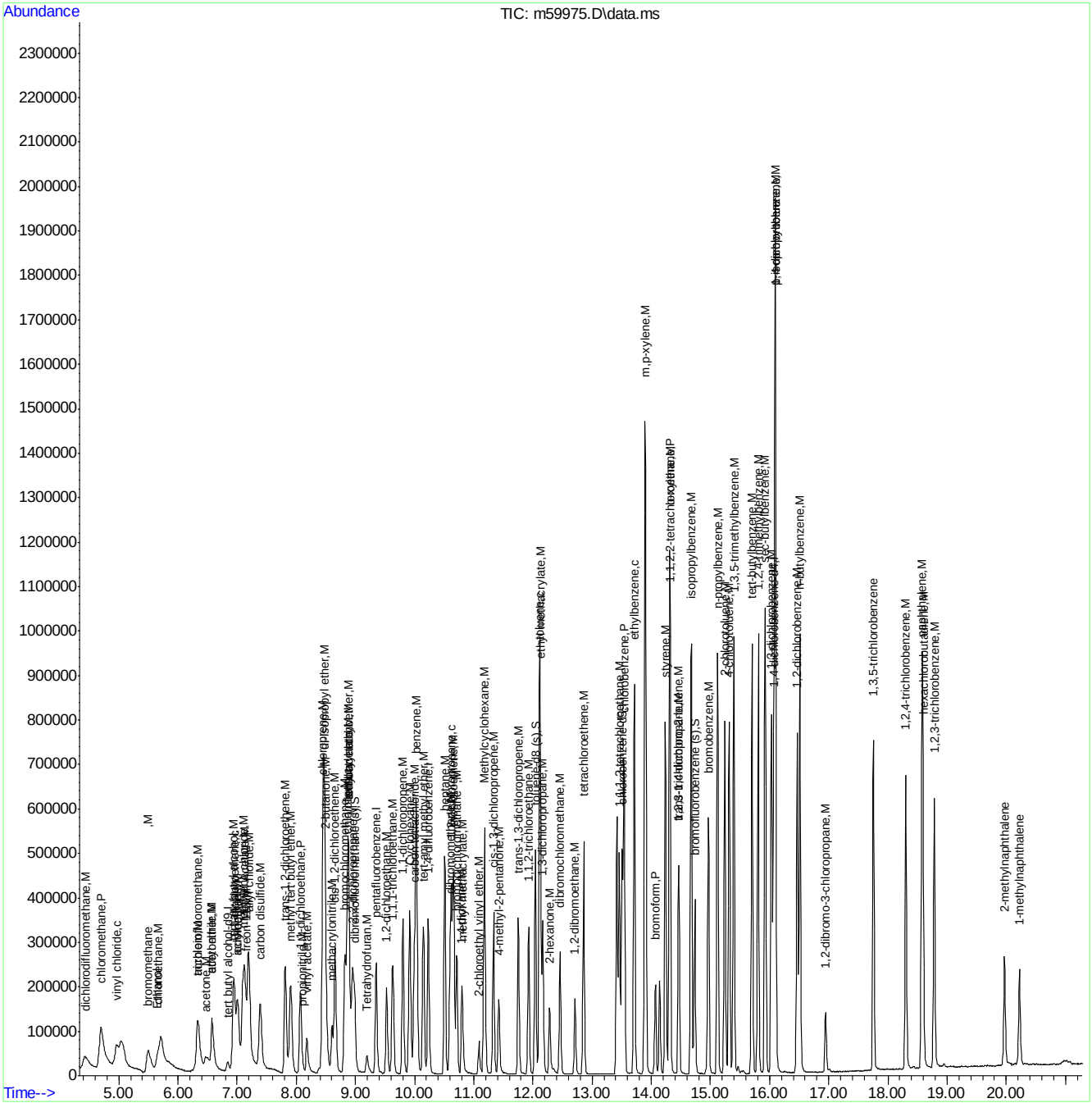
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.3.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59975.D
Acq On : 6 Oct 2013 9:11 am
Operator : krystend
Sample : bs
Misc : MS30123,MSM2079,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

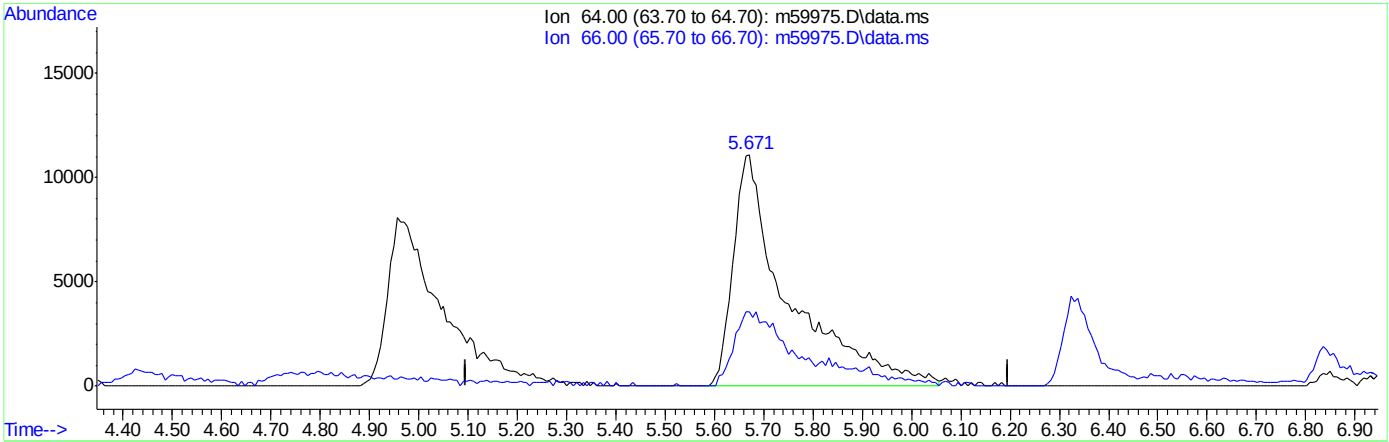
Quant Time: Oct 06 09:46:13 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

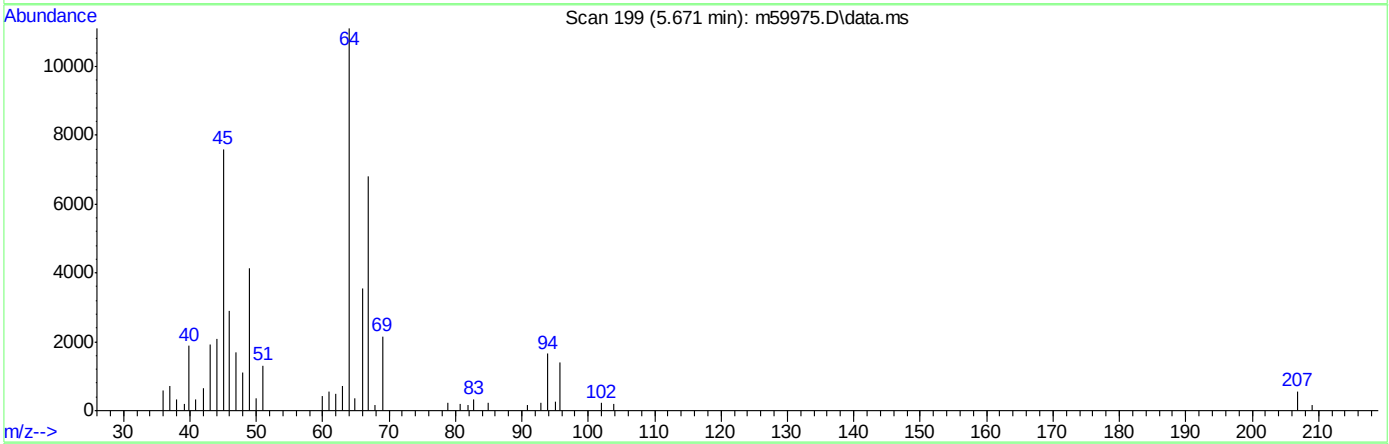


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59975.D
Acq On : 6 Oct 2013 9:11 am
Operator : krystend
Sample : bs
Misc : MS30123,MSM2079,5,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 06 09:44:17 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m59975.D\data.ms

(9) chloroethane (M)

5.671min (-0.006) 57.11ug/kg m

response 86355

Ion	Exp%	Act%
64.00	100	100
66.00	31.60	31.89
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC24774

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
10/07/13 12:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59983.D
Acq On : 6 Oct 2013 1:08 pm
Operator : krystend
Sample : mc24774-1ms
Misc : MS30130,MSM2079,4.739,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 07 08:59:37 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	137783	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	187265	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	305196	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	134506	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	154965	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	94040	42.66	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 85.32%			
59) toluene-d8 (s)	12.043	98	333133	41.43	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 82.86%			
81) bromofluorobenzene (s)	14.731	95	123519	43.66	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.32%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	163501	328.32	ug/kg	98
3) Ethanol	5.644	45	94950	2210.21	ug/kg	100
5) dichlorodifluoromethane	4.425	85	82900	33.54	ug/kg	91
6) chloromethane	4.701	50	184001	45.67	ug/kg	97
7) vinyl chloride	4.963	62	150510	37.62	ug/kg	95
8) bromomethane ...	5.489	96	85126	44.08	ug/kg	98
9) chloroethane	5.664	64	66202	48.54	ug/kg	99
10) ethyl ether	6.573	59	71848	41.78	ug/kg	99
11) acetonitrile	6.567	41	22211	41.08	ug/kg	81
12) trichlorofluoromethane	6.338	101	161841	46.88	ug/kg	98
13) freon-113	7.146	101	93045	51.07	ug/kg	90
14) acrolein	6.331	56	31846	81.48	ug/kg	93
15) 1,1-dichloroethene	6.937	96	94913	45.04	ug/kg	96
16) acetone	6.459	58	20752m	97.77	ug/kg	
17) Methyl Acetate	7.126	43	102464	31.80	ug/kg	88
18) methylene chloride	7.099	84	94184	41.45	ug/kg	91
19) methyl tert butyl ether	7.900	73	191759	40.85	ug/kg	92
20) acrylonitrile	7.005	53	43530	49.08	ug/kg	97
21) allyl chloride	7.193	41	166635	40.06	ug/kg	93
22) trans-1,2-dichloroethene	7.813	96	91718	40.17	ug/kg	97
23) iodomethane	7.005	142	178499	41.38	ug/kg	99
24) carbon disulfide	7.388	76	283559	43.41	ug/kg	99
25) propionitrile	8.109	54	16014	48.18	ug/kg	100
26) vinyl acetate	8.177	43	124388	25.51	ug/kg	99
27) chloroprene	8.446	53	112645	30.96	ug/kg	93
28) di-isopropyl ether	8.480	45	341568	37.74	ug/kg	91
29) methacrylonitrile	8.601	41	61395	43.68	ug/kg	95
30) 2-butanone	8.493	72	12730	53.67	ug/kg#	1
31) 1,1-dichloroethane	8.069	63	168047	44.70	ug/kg	99
32) tert-butyl ethyl ether	8.884	59	245613	39.52	ug/kg	98
33) isobutyl alcohol	8.884	43	78022	236.87	ug/kg	90
34) 2,2-dichloropropane	8.951	77	109393	46.92	ug/kg	97
35) cis-1,2-dichloroethene	8.655	96	95444	36.41	ug/kg	97
36) ethyl acetate	8.884	43	77986	47.45	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59983.D
Acq On : 6 Oct 2013 1:08 pm
Operator : krystend
Sample : mc24774-1ms
Misc : MS30130,MSM2079,4.739,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 07 08:59:37 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	54241	42.37	ug/kg	91
38) chloroform	8.864	83	155870	42.04	ug/kg	95
40) Tetrahydrofuran	9.194	42	41353	47.68	ug/kg	89
41) 1,1,1-trichloroethane	9.632	97	144666	46.14	ug/kg	99
43) Cyclohexane	9.915	56	143710	34.66	ug/kg	89
44) carbon tetrachloride	9.995	117	144205	43.47	ug/kg	98
45) 1,1-dichloropropene	9.800	75	110711	37.59	ug/kg	95
46) benzene	10.029	78	332104	35.11	ug/kg	99
47) 1,2-dichloroethane	9.524	62	114467	36.39	ug/kg	96
48) tert-amyl methyl ether	10.144	73	181079	37.20	ug/kg	97
49) heptane	10.507	43	89122	20.63	ug/kg	95
50) trichloroethene	10.656	95	156347	59.44	ug/kg	90
51) 1,2-dichloropropane	10.622	63	90467	34.55	ug/kg	100
52) dibromomethane	10.602	93	54834	39.50	ug/kg	92
53) bromodichloromethane	10.710	83	112370	34.96	ug/kg	97
54) Methylcyclohexane	11.181	83	105941	27.02	ug/kg	93
56) methyl methacrylate	10.804	69	51900	37.73	ug/kg	97
57) 1,4-dioxane	10.811	88	5266	246.75	ug/kg	100
58) cis-1,3-dichloropropene	11.336	75	116680	31.75	ug/kg	94
60) 4-methyl-2-pentanone	11.417	43	136190	48.54	ug/kg	98
61) toluene	12.117	92	200687	33.59	ug/kg	98
62) trans-1,3-dichloropropene	11.754	75	98929	31.99	ug/kg	97
63) 1,1,2-trichloroethane	11.929	83	60270	35.02	ug/kg	95
64) ethyl methacrylate	12.124	69	93766	34.24	ug/kg	92
66) tetrachloroethene	12.858	166	80931	28.76	ug/kg	99
67) 1,3-dichloropropane	12.165	76	109517	31.33	ug/kg	99
68) dibromochloromethane	12.461	129	97151	30.69	ug/kg	97
69) 1,2-dibromoethane	12.710	107	77543	31.41	ug/kg	100
70) 2-hexanone	12.279	43	89473	42.04	ug/kg	97
71) chlorobenzene	13.539	112	200673	24.82	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.458	131	88477	28.09	ug/kg	97
73) ethylbenzene	13.714	91	309646	25.40	ug/kg	99
74) m,p-xylene	13.896	106	245715	47.31	ug/kg	94
75) o-xylene	14.313	106	119514	22.31	ug/kg	93
76) styrene	14.239	104	79406	10.00	ug/kg	100
77) bromoform	14.071	173	60788	30.34	ug/kg	97
78) trans-1,4-dichloro-2-b...	14.462	53	30701	31.10	ug/kg	94
80) isopropylbenzene	14.677	105	273356	21.68	ug/kg	96
82) bromobenzene	14.967	156	74214	22.10	ug/kg	90
83) 1,1,2,2-tetrachloroethane	14.320	83	100565	33.47	ug/kg	98
84) 1,2,3-trichloropropane	14.462	75	107333	35.17	ug/kg	99
85) n-propylbenzene	15.122	91	253701	18.71	ug/kg	94
86) 2-chlorotoluene	15.243	91	163694	19.92	ug/kg	97
87) 4-chlorotoluene	15.317	91	158062	19.72	ug/kg	94
88) 1,3,5-trimethylbenzene	15.398	105	184579	17.79	ug/kg	98
89) tert-butylbenzene	15.701	91	95384	16.51	ug/kg	93
90) 1,2,4-trimethylbenzene	15.809	105	176075	17.25	ug/kg	98
91) sec-butylbenzene	15.923	105	210750	14.77	ug/kg	96
92) 1,3-dichlorobenzene	16.031	146	103125	15.87	ug/kg	98
93) p-isopropyltoluene	16.099	119	171164	15.09	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59983.D
Acq On : 6 Oct 2013 1:08 pm
Operator : krystend
Sample : mc24774-1ms
Misc : MS30130,MSM2079,4.739,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 07 08:59:37 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

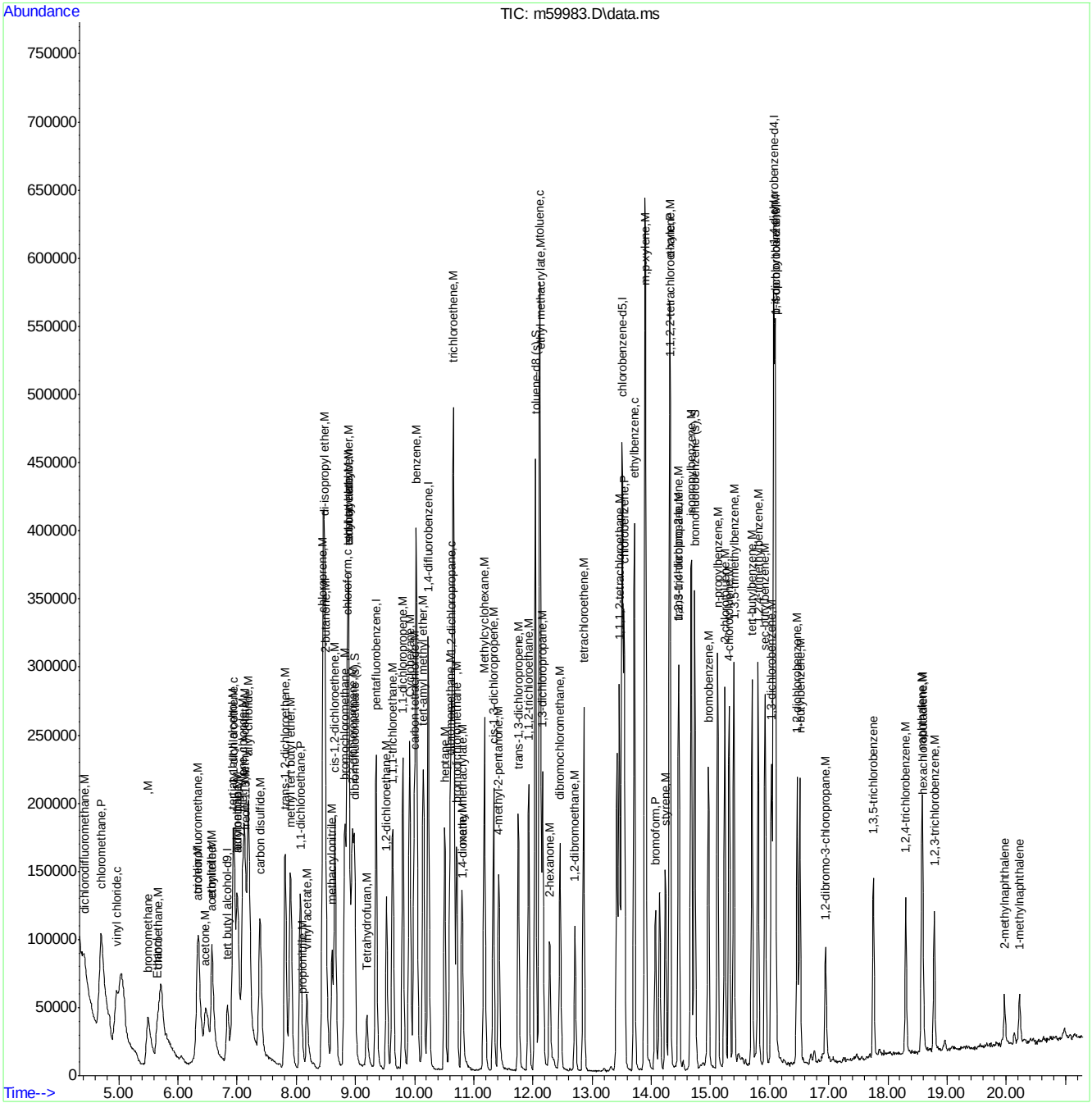
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	1,4-dichlorobenzene	16.099	146	109236	16.61	ug/kg	97
95)	1,2-dichlorobenzene	16.469	146	101609	15.53	ug/kg	97
96)	n-butylbenzene	16.516	91	129282	13.30	ug/kg	95
97)	1,2-dibromo-3-chloropr...	16.941	75	18503	30.45	ug/kg	95
98)	1,3,5-trichlorobenzene	17.756	180	44179	10.55	ug/kg	98
99)	1,2,4-trichlorobenzene	18.301	180	38581	9.64	ug/kg	94
100)	hexachlorobutadiene	18.591	225	17176	7.41	ug/kg	99
101)	naphthalene	18.578	128	144448	12.19	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	37573	9.12	ug/kg	88
103)	2-methylnaphthalene	19.972	142	23694	3.86	ug/kg#	95
104)	1-methylnaphthalene	20.228	TIC	101204	5.05	ug/kg	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59983.D
Acq On : 6 Oct 2013 1:08 pm
Operator : krystend
Sample : mc24774-1ms
Misc : MS30130,MSM2079,4.739,,,5,1
ALS Vial : 11 Sample Multiplier: 1

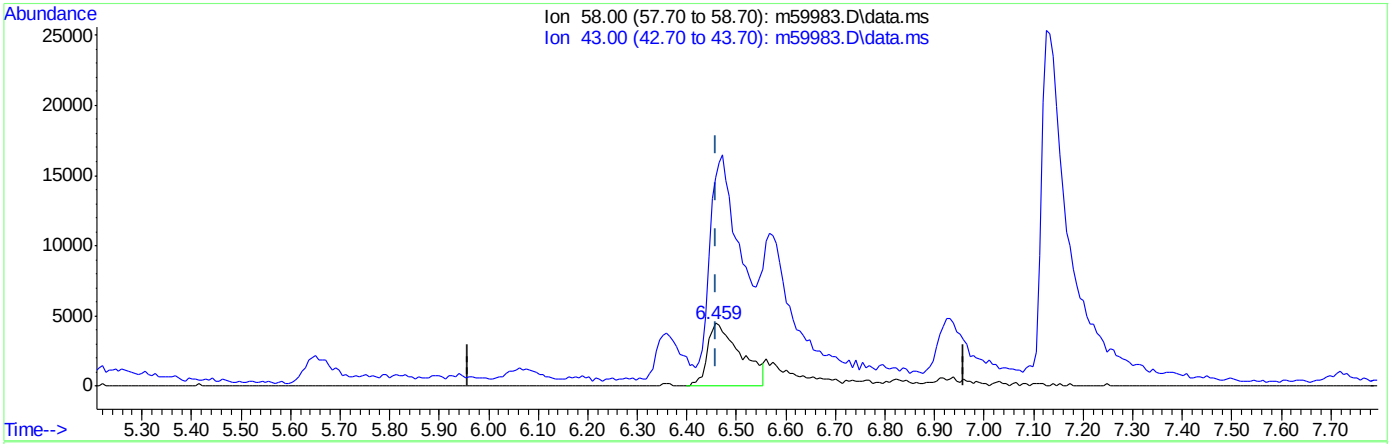
Quant Time: Oct 07 08:59:37 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

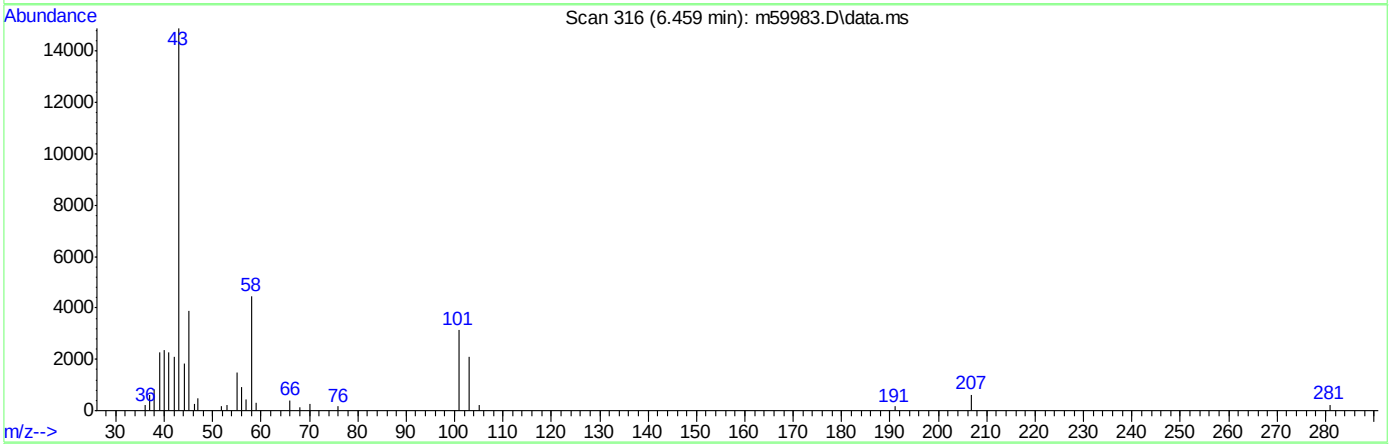


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59983.D
Acq On : 6 Oct 2013 1:08 pm
Operator : krystend
Sample : mc24774-1ms
Misc : MS30130,MSM2079,4.739,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 06 13:47:55 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m59983.D\data.ms

(16) acetone (M)

6.459min (-0.000) 97.77ug/kg m

response 20752

Ion	Exp%	Act%
58.00	100	100
43.00	380.40	333.55#
0.00	0.00	0.00
0.00	0.00	0.00

M59983.D edits: acetone

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
10/07/13 12:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59984.D
Acq On : 6 Oct 2013 1:38 pm
Operator : krystend
Sample : mc24774-1msd
Misc : MS30130,MSM2079,4.638,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 07 09:00:10 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	150198	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	201231	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	327342	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	144446	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	168823	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	100851	42.57	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 85.14%			
59) toluene-d8 (s)	12.043	98	355666	41.24	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 82.48%			
81) bromofluorobenzene (s)	14.731	95	134957	43.79	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.58%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	226152	436.23	ug/kg	97
3) Ethanol	5.664	45	125240	2638.78	ug/kg	99
5) dichlorodifluoromethane	4.438	85	113625	42.78	ug/kg	93
6) chloromethane	4.707	50	231368	53.44	ug/kg	97
7) vinyl chloride	4.977	62	188125	43.76	ug/kg	99
8) bromomethane ...	5.509	96	106583	51.36	ug/kg	96
9) chloroethane	5.677	64	83579	57.03	ug/kg	98
10) ethyl ether	6.580	59	96873	52.42	ug/kg	92
11) acetonitrile	6.580	41	27748	47.76	ug/kg	85
12) trichlorofluoromethane	6.344	101	206178	55.58	ug/kg	99
13) freon-113	7.146	101	117533	60.03	ug/kg	90
14) acrolein	6.344	56	41301	98.34	ug/kg	95
15) 1,1-dichloroethene	6.950	96	119981	52.99	ug/kg	99
16) acetone	6.465	58	23189m	101.70	ug/kg	
17) Methyl Acetate	7.132	43	139018	40.15	ug/kg	93
18) methylene chloride	7.105	84	121127	49.60	ug/kg	94
19) methyl tert butyl ether	7.907	73	250496	49.65	ug/kg	92
20) acrylonitrile	7.004	53	61560	64.59	ug/kg	98
21) allyl chloride	7.200	41	215672	48.25	ug/kg	90
22) trans-1,2-dichloroethene	7.813	96	123947	50.51	ug/kg	98
23) iodomethane	7.018	142	233722	50.42	ug/kg	95
24) carbon disulfide	7.395	76	357641	50.95	ug/kg	100
25) propionitrile	8.096	54	21938	60.69	ug/kg	100
26) vinyl acetate	8.176	43	161165	29.79	ug/kg	100
27) chloroprene	8.446	53	140911	36.04	ug/kg	95
28) di-isopropyl ether	8.486	45	444694	45.73	ug/kg	93
29) methacrylonitrile	8.601	41	81884	54.21	ug/kg	97
30) 2-butanone	8.507	72	18553	70.54	ug/kg#	91
31) 1,1-dichloroethane	8.069	63	222537	55.09	ug/kg	99
32) tert-butyl ethyl ether	8.884	59	321314	48.12	ug/kg	98
33) isobutyl alcohol	8.897	43	102058	288.33	ug/kg	77
34) 2,2-dichloropropane	8.951	77	143563	57.31	ug/kg	99
35) cis-1,2-dichloroethene	8.661	96	130190	46.22	ug/kg	98
36) ethyl acetate	8.897	43	101933	57.71	ug/kg	86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59984.D
Acq On : 6 Oct 2013 1:38 pm
Operator : krystend
Sample : mc24774-1msd
Misc : MS30130,MSM2079,4.638,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 07 09:00:10 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	69805	50.74	ug/kg	95
38) chloroform	8.864	83	206666	51.87	ug/kg	98
40) Tetrahydrofuran	9.194	42	56260	60.37	ug/kg	94
41) 1,1,1-trichloroethane	9.631	97	189654	56.29	ug/kg	95
43) Cyclohexane	9.921	56	182758	41.09	ug/kg	88
44) carbon tetrachloride	10.002	117	188650	53.02	ug/kg	99
45) 1,1-dichloropropene	9.807	75	144582	45.77	ug/kg	95
46) benzene	10.036	78	443328	43.70	ug/kg	98
47) 1,2-dichloroethane	9.524	62	152264	45.13	ug/kg	99
48) tert-amyl methyl ether	10.150	73	234943	45.00	ug/kg	97
49) heptane	10.507	43	112416	24.26	ug/kg	95
50) trichloroethene	10.655	95	190497	67.38	ug/kg	91
51) 1,2-dichloropropane	10.622	63	121086	43.12	ug/kg	99
52) dibromomethane	10.602	93	74072	49.75	ug/kg	94
53) bromodichloromethane	10.709	83	149767	43.45	ug/kg	99
54) Methylcyclohexane	11.181	83	137947	32.80	ug/kg	92
56) methyl methacrylate	10.804	69	70334	47.68	ug/kg	93
57) 1,4-dioxane	10.804	88	6627	289.99	ug/kg	95
58) cis-1,3-dichloropropene	11.336	75	153038	38.83	ug/kg	92
60) 4-methyl-2-pentanone	11.423	43	189189	62.87	ug/kg	99
61) toluene	12.117	92	265596	41.44	ug/kg	99
62) trans-1,3-dichloropropene	11.753	75	135064	40.72	ug/kg	93
63) 1,1,2-trichloroethane	11.929	83	80808	43.78	ug/kg	94
64) ethyl methacrylate	12.124	69	126394	41.45	ug/kg	91
66) tetrachloroethene	12.858	166	108201	35.80	ug/kg	96
67) 1,3-dichloropropane	12.164	76	147053	39.18	ug/kg	99
68) dibromochloromethane	12.461	129	133524	39.28	ug/kg	98
69) 1,2-dibromoethane	12.710	107	106620	40.21	ug/kg	100
70) 2-hexanone	12.279	43	129169	56.52	ug/kg	96
71) chlorobenzene	13.539	112	267459	30.80	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.458	131	117711	34.80	ug/kg	98
73) ethylbenzene	13.714	91	407792	31.15	ug/kg	95
74) m,p-xylene	13.902	106	325517	58.36	ug/kg	91
75) o-xylene	14.313	106	160602	27.91	ug/kg	92
76) styrene	14.239	104	99940	11.73	ug/kg	95
77) bromoform	14.071	173	82813	38.49	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.461	53	42545	40.14	ug/kg	97
80) isopropylbenzene	14.677	105	354058	25.78	ug/kg	97
82) bromobenzene	14.967	156	100865	27.57	ug/kg	89
83) 1,1,2,2-tetrachloroethane	14.320	83	137520	42.02	ug/kg	99
84) 1,2,3-trichloropropane	14.461	75	147534	44.38	ug/kg	100
85) n-propylbenzene	15.122	91	333538	22.57	ug/kg	95
86) 2-chlorotoluene	15.243	91	210911	23.55	ug/kg	95
87) 4-chlorotoluene	15.317	91	206691	23.67	ug/kg	95
88) 1,3,5-trimethylbenzene	15.398	105	240032	21.23	ug/kg	95
89) tert-butylbenzene	15.701	91	121673	19.33	ug/kg	87
90) 1,2,4-trimethylbenzene	15.809	105	232399	20.90	ug/kg	96
91) sec-butylbenzene	15.923	105	272735	17.55	ug/kg	99
92) 1,3-dichlorobenzene	16.031	146	136709	19.31	ug/kg	97
93) p-isopropyltoluene	16.098	119	224006	18.13	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59984.D
Acq On : 6 Oct 2013 1:38 pm
Operator : krystend
Sample : mc24774-1msd
Misc : MS30130,MSM2079,4.638,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 07 09:00:10 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

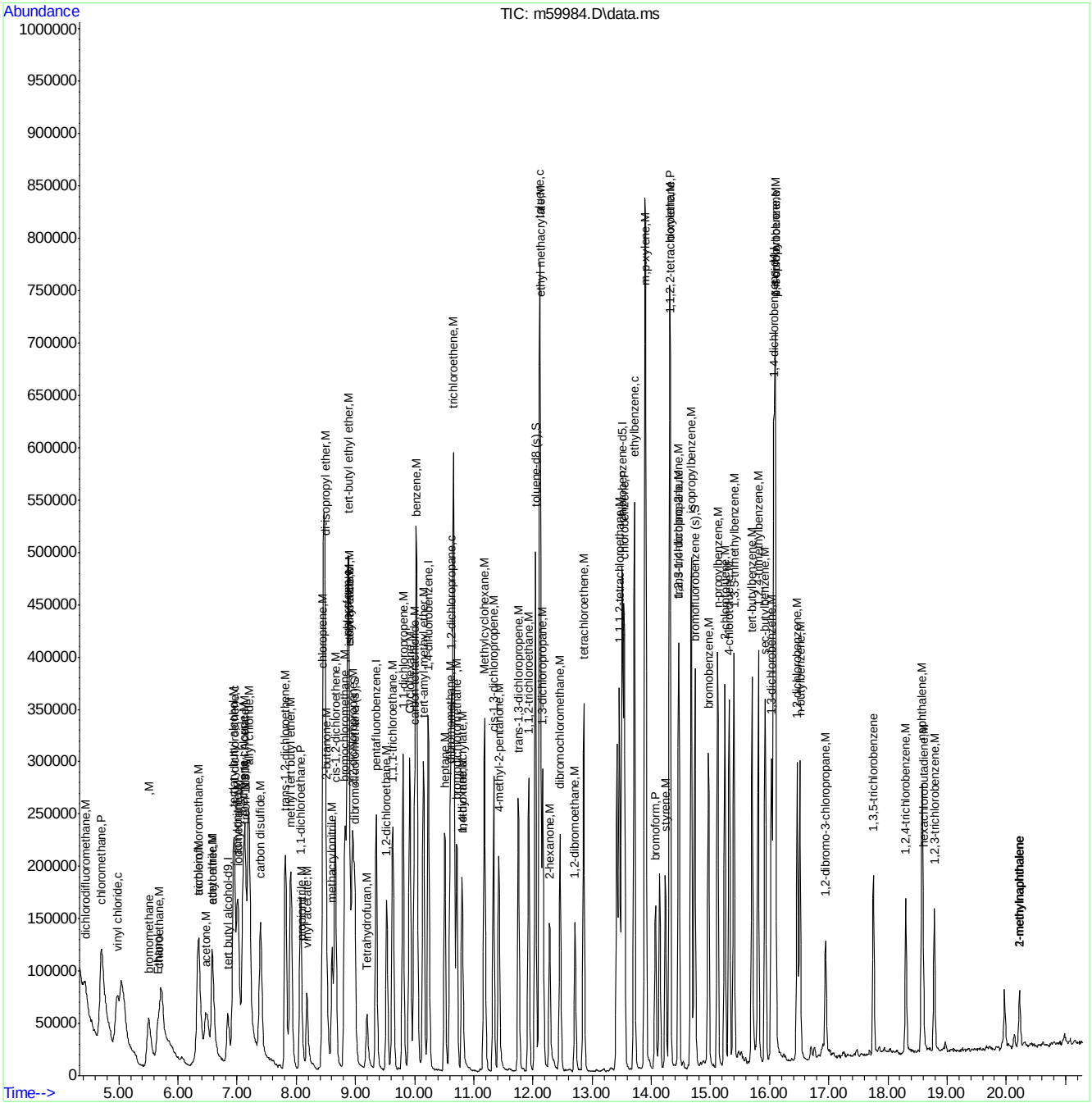
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) 1,4-dichlorobenzene	16.098	146	146060	20.39	ug/kg	96
95) 1,2-dichlorobenzene	16.469	146	135300	18.98	ug/kg	98
96) n-butylbenzene	16.516	91	173827	16.42	ug/kg	92
97) 1,2-dibromo-3-chloropr...	16.947	75	25634	38.72	ug/kg	82
98) 1,3,5-trichlorobenzene	17.756	180	56611	12.41	ug/kg	98
99) 1,2,4-trichlorobenzene	18.301	180	50384	11.56	ug/kg	97
100) hexachlorobutadiene	18.598	225	21657	8.57	ug/kg	93
101) naphthalene	18.577	128	201937	15.65	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	49537	11.04	ug/kg	97
103) 2-methylnaphthalene	20.228	142	34792	5.21	ug/kg	98
104) 1-methylnaphthalene	20.221	TIC	170993	7.83	ug/kg#	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59984.D
Acq On : 6 Oct 2013 1:38 pm
Operator : krystend
Sample : mc24774-1msd
Misc : MS30130,MSM2079,4.638,,,5,1
ALS Vial : 12 Sample Multiplier: 1

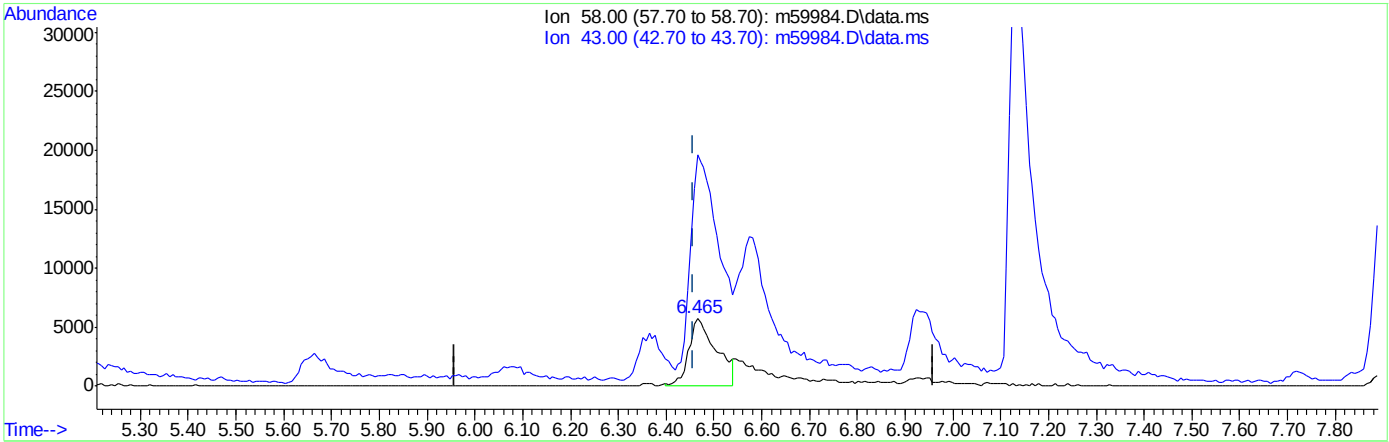
Quant Time: Oct 07 09:00:10 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

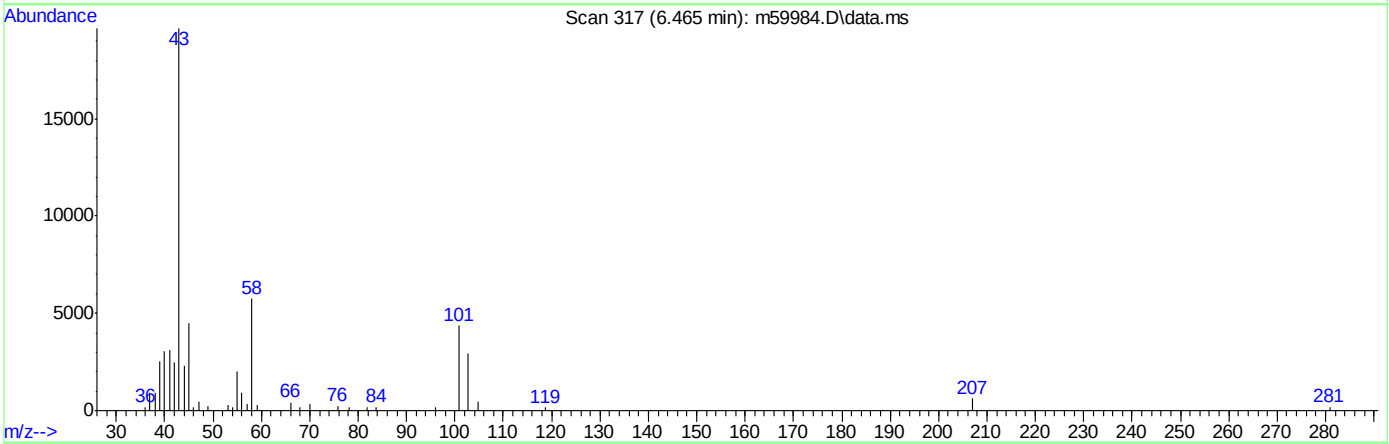


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59984.D
Acq On : 6 Oct 2013 1:38 pm
Operator : krystend
Sample : mc24774-1msd
Misc : MS30130,MSM2079,4.638,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 07 08:59:57 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m59984.D\data.ms

(16) acetone (M)

6.465min (+0.006) 101.70ug/kg m

response 23189

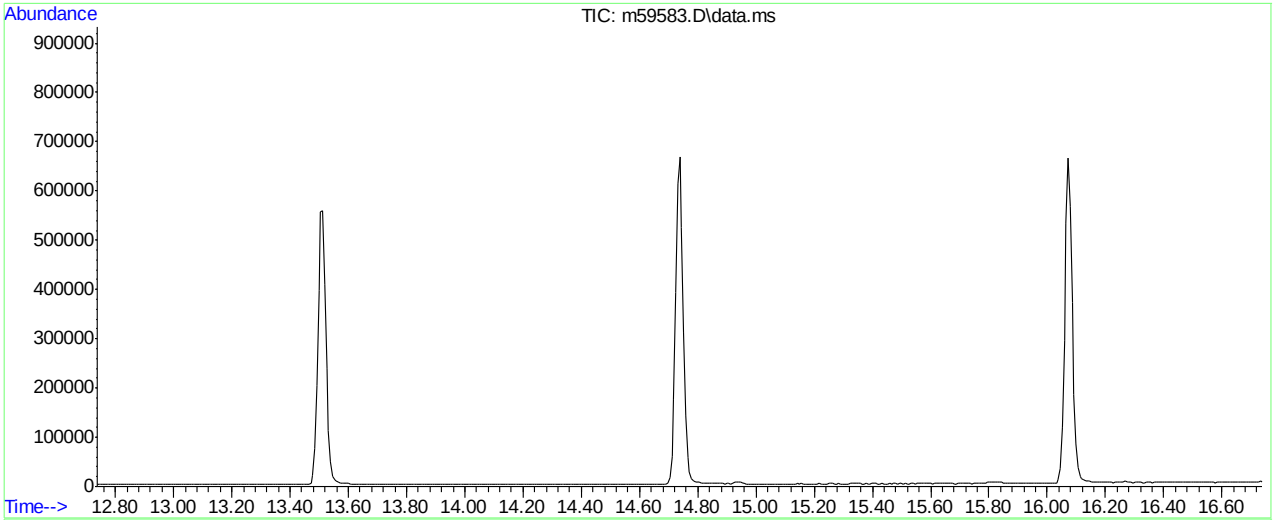
Ion	Exp%	Act%
58.00	100	100
43.00	380.40	341.86#
0.00	0.00	0.00
0.00	0.00	0.00

M59984.D edits: acetone

BFB

Data File : C:\msdchem\1\data\M130925S\m59583.D Vial: 4
Acq On : 25 Sep 2013 8:29 pm Operator: krystend
Sample : bfb Inst : GCMS M
Misc : MS30022,MSM2064,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130925S.M (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Average of 14.731 to 14.744 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.6	24424	PASS
75	95	30	60	45.6	51645	PASS
95	95	100	100	100.0	113163	PASS
96	95	5	9	7.0	7923	PASS
173	174	0.00	2	1.1	1259	PASS
174	95	50	150	101.7	115048	PASS
175	174	5	9	7.2	8329	PASS
176	174	95	101	95.8	110221	PASS
177	176	5	9	6.5	7171	PASS

m59583.D M130925S.M Thu Sep 26 07:47:04 2013

Average of 14.731 to 14.744 min.: m59583.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1284	51.00	7834	64.00	430	76.90	239
37.00	6650	52.05	401	64.95	9	77.05	412
38.00	6017	53.00	54	67.00	305	77.95	439
39.00	2516	54.95	376	68.00	9929	78.90	3958
43.95	706	56.00	2035	69.00	10272	79.90	1210
45.00	1372	57.00	3607	69.95	709	80.90	3927
46.10	67	58.05	130	72.05	618	81.85	973
47.00	1681	59.95	965	73.00	4244	82.80	51
48.00	819	61.00	5498	74.00	17585	85.80	53
49.00	5358	62.00	5311	75.00	51645	86.00	55
50.00	24424	63.00	4280	76.00	4448	86.90	5188

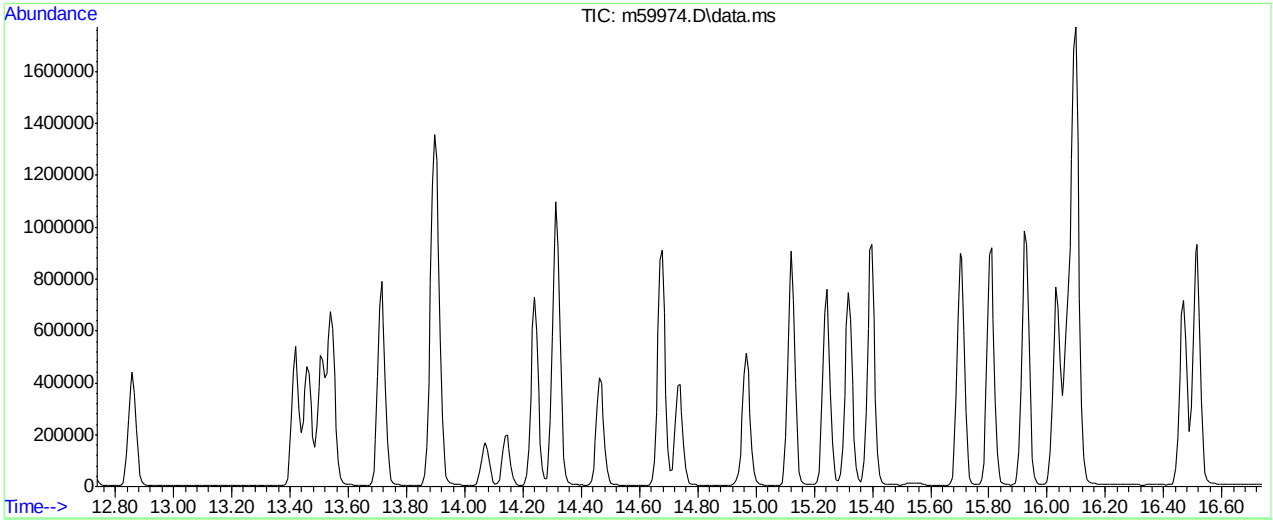
Average of 14.731 to 14.744 min.: m59583.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.90	4874	114.85	127	136.85	246	172.95	1259
90.85	433	115.85	427	140.85	1320	173.90	115048
92.00	3089	116.85	742	142.05	140	174.90	8329
92.95	4418	117.80	510	142.85	1397	175.90	110221
94.00	13608	118.90	640	144.90	133	176.90	7171
95.00	113163	123.80	57	147.80	303	177.85	147
96.00	7923	127.85	485	154.90	289	191.00	51
97.00	207	128.90	234	156.85	277	207.00	88
103.80	510	129.85	517	160.75	174	209.00	55
104.85	115	130.80	190	171.20	54	281.00	53
105.85	575	134.85	274	171.85	539		

BFB

Data File : C:\msdchem\1\data\M131006S\m59974.D Vial: 2
Acq On : 6 Oct 2013 8:42 am Operator: krystend
Sample : bfb Inst : GCMS M
Misc : MS30123,MSM2079,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130925S.M (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 1545

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.0	15960	PASS
75	95	30	60	44.7	32403	PASS
95	95	100	100	100.0	72543	PASS
96	95	5	9	6.6	4813	PASS
173	174	0.00	2	1.2	848	PASS
174	95	50	150	101.1	73358	PASS
175	174	5	9	7.2	5311	PASS
176	174	95	101	96.5	70803	PASS
177	176	5	9	6.2	4399	PASS

m59974.D M130925S.M Sun Oct 06 10:34:27 2013

Scan 1545 (14.738 min): m59974.D\data.ms (-1553)
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	762	50.00	15960	67.10	174	78.90	2821
37.00	4076	51.00	4851	68.00	6793	79.90	722
37.95	3863	52.10	347	69.00	7153	80.90	2736
39.00	1620	56.00	1185	70.00	571	81.80	555
39.90	184	57.00	2130	72.00	299	86.90	3286
43.00	196	58.00	168	73.00	2797	87.90	2810
44.00	600	60.00	776	74.00	10860	90.90	232
45.00	827	61.00	3084	75.00	32403	91.90	2305
47.00	1008	62.00	3441	76.00	2779	93.00	3153
47.90	535	63.00	2840	76.90	634	94.00	8101
49.00	3424	63.90	341	77.80	406	95.00	72543

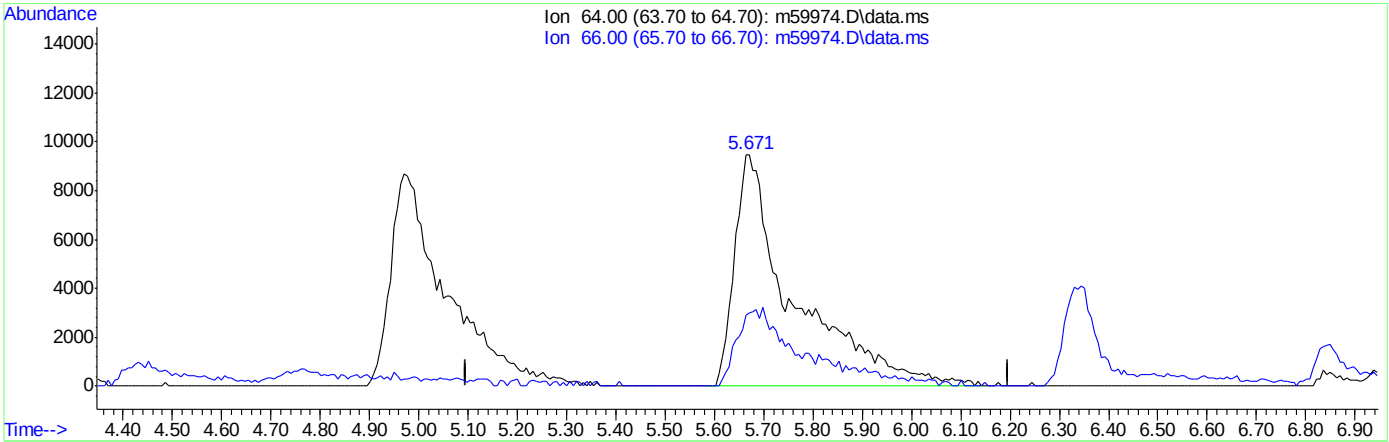
Scan 1545 (14.738 min): m59974.D\data.ms (-1553)
bfb
Modified:subtracted

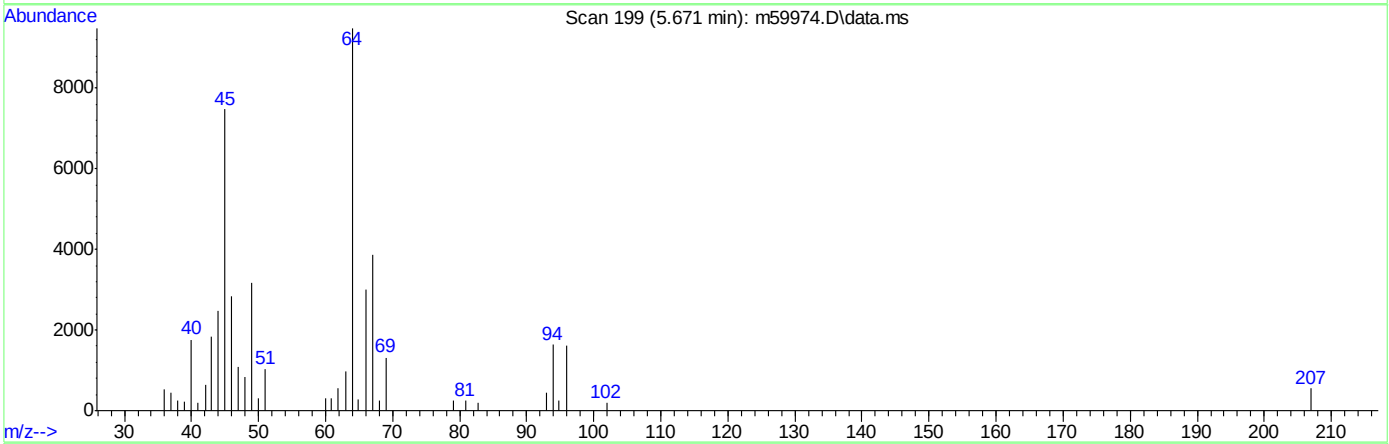
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.00	4813	118.90	493	154.80	291	207.00	49
96.90	298	119.90	3	157.00	190		
103.00	192	127.80	294	158.90	166		
103.90	368	128.80	165	171.20	289		
105.00	423	129.90	328	172.20	350		
105.80	398	130.90	157	173.00	848		
106.20	369	140.80	874	173.90	73358		
114.90	150	141.70	260	174.90	5311		
115.90	370	142.90	870	175.90	70803		
116.90	641	145.70	151	176.90	4399		
117.80	312	147.90	199	177.80	154		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59974.D
Acq On : 6 Oct 2013 8:42 am
Operator : krystend
Sample : cc2064-50
Misc : MS30123,MSM2079,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 10:25:58 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m59974.D\data.ms

(9) chloroethane (M)

5.671min (-0.006) 53.46ug/kg m

response 78533

Ion	Exp%	Act%
64.00	100	100
66.00	31.60	31.68
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59584.D
Acq On : 25 Sep 2013 8:58 pm
Operator : krystend
Sample : IC2064-2
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 26 07:06:30 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	91074	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	273678	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	418551	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	163871	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	201106	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	11653	3.34	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	6.68%#		
59) toluene-d8 (s)	12.043	98	39376	3.17	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	6.34%#		
81) bromofluorobenzene (s)	14.738	95	14182	3.67	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	7.34%#		
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	4862	18.07	ug/kg	88
3) Ethanol	5.664	45	2339	76.57	ug/kg#	39
5) dichlorodifluoromethane	4.438	85	7718	2.17	ug/kg	91
6) chloromethane	4.687	50	15519	2.94	ug/kg	97
7) vinyl chloride	4.970	62	11631	2.07	ug/kg	72
8) bromomethane ...	5.495	96	6435	2.62	ug/kg	79
9) chloroethane	5.671	64	3240	1.73	ug/kg	96
10) ethyl ether	6.600	59	4405	1.68	ug/kg	98
12) trichlorofluoromethane	6.324	101	8970	1.80	ug/kg	90
13) freon-113	7.146	101	5112	2.14	ug/kg	85
15) 1,1-dichloroethene	6.944	96	6043	2.13	ug/kg#	78
18) methylene chloride	7.105	84	6520	2.00	ug/kg	97
19) methyl tert butyl ether	7.907	73	13285	1.97	ug/kg	94
21) allyl chloride	7.193	41	11682	1.87	ug/kg	97
22) trans-1,2-dichloroethene	7.806	96	6846	2.13	ug/kg	92
23) iodomethane	7.011	142	12014	1.93	ug/kg	99
24) carbon disulfide	7.388	76	18307	2.00	ug/kg	97
27) chloroprene	8.453	53	9178	1.54	ug/kg	100
28) di-isopropyl ether	8.486	45	24293	1.62	ug/kg	84
29) methacrylonitrile	8.628	41	3242	1.34	ug/kg#	45
31) 1,1-dichloroethane	8.069	63	11024	2.02	ug/kg	97
32) tert-butyl ethyl ether	8.890	59	16695	1.70	ug/kg	88
33) isobutyl alcohol	8.884	43	5119	11.12	ug/kg	87
34) 2,2-dichloropropane	8.951	77	7325	2.33	ug/kg	93
35) cis-1,2-dichloroethene	8.655	96	7983	2.06	ug/kg	90
36) ethyl acetate	8.884	43	5119	2.24	ug/kg	87
37) bromochloromethane	8.823	128	3663	1.92	ug/kg	84
38) chloroform	8.864	83	10564	1.83	ug/kg	99
40) Tetrahydrofuran	9.207	42	2857	2.36	ug/kg#	41
41) 1,1,1-trichloroethane	9.625	97	9139	2.14	ug/kg	94
43) Cyclohexane	9.914	56	11541	2.10	ug/kg#	82
44) carbon tetrachloride	10.002	117	9004	2.03	ug/kg	94
45) 1,1-dichloropropene	9.807	75	7884	1.92	ug/kg	92
46) benzene	10.029	78	24597	1.93	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59584.D
Acq On : 25 Sep 2013 8:58 pm
Operator : krystend
Sample : IC2064-2
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 26 07:06:30 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47)	1,2-dichloroethane	9.524	62	8366	1.92	ug/kg	98
48)	tert-amyl methyl ether	10.150	73	13161	2.04	ug/kg	98
49)	heptane	10.514	43	11533	1.83	ug/kg	89
50)	trichloroethene	10.662	95	8004	2.25	ug/kg	88
51)	1,2-dichloropropane	10.622	63	6809	1.77	ug/kg	91
52)	dibromomethane	10.602	93	3586	1.83	ug/kg	90
53)	bromodichloromethane	10.709	83	8197	1.83	ug/kg	90
54)	Methylcyclohexane	11.181	83	10679	1.98	ug/kg	96
55)	2-chloroethyl vinyl ether	11.100	63	2007	1.43	ug/kg#	47
56)	methyl methacrylate	10.831	69	2506	1.22	ug/kg	93
58)	cis-1,3-dichloropropene	11.336	75	9190	1.69	ug/kg	89
60)	4-methyl-2-pentanone	11.437	43	6387	1.55	ug/kg#	48
61)	toluene	12.124	92	14363	1.56	ug/kg	98
62)	trans-1,3-dichloropropene	11.767	75	7405	1.62	ug/kg	85
63)	1,1,2-trichloroethane	11.929	83	4297	1.77	ug/kg	95
64)	ethyl methacrylate	12.137	69	5577	1.23	ug/kg	76
66)	tetrachloroethene	12.858	166	6697	2.05	ug/kg	96
67)	1,3-dichloropropane	12.171	76	7833	1.75	ug/kg	90
68)	dibromochloromethane	12.461	129	7226	1.83	ug/kg	97
69)	1,2-dibromoethane	12.717	107	5687	1.89	ug/kg	77
70)	2-hexanone	12.326	43	3341	1.20	ug/kg#	62
71)	chlorobenzene	13.545	112	18663	1.85	ug/kg	91
72)	1,1,1,2-tetrachloroethane	13.464	131	7623	1.97	ug/kg	98
73)	ethylbenzene	13.714	91	28273	1.79	ug/kg	92
74)	m,p-xylene	13.902	106	23573	3.38	ug/kg	93
75)	o-xylene	14.313	106	12204	1.72	ug/kg	93
76)	styrene	14.246	104	16905	1.62	ug/kg	99
77)	bromoform	14.071	173	4372	1.71	ug/kg	84
78)	trans-1,4-dichloro-2-b...	14.461	53	2289	1.78	ug/kg#	84
80)	isopropylbenzene	14.677	105	30394	1.84	ug/kg	89
82)	bromobenzene	14.973	156	8355	1.98	ug/kg#	77
83)	1,1,2,2-tetrachloroethane	14.320	83	6906	1.76	ug/kg	92
84)	1,2,3-trichloropropane	14.468	75	7362	1.88	ug/kg	91
85)	n-propylbenzene	15.128	91	33044	1.86	ug/kg	93
86)	2-chlorotoluene	15.243	91	19769	1.83	ug/kg	90
87)	4-chlorotoluene	15.324	91	19360	1.82	ug/kg	92
88)	1,3,5-trimethylbenzene	15.398	105	24045	1.71	ug/kg	89
89)	tert-butylbenzene	15.708	91	13984	1.76	ug/kg	86
90)	1,2,4-trimethylbenzene	15.809	105	23305	1.67	ug/kg	90
91)	sec-butylbenzene	15.930	105	33363	1.76	ug/kg	96
92)	1,3-dichlorobenzene	16.038	146	16205	1.95	ug/kg	93
93)	p-isopropyltoluene	16.098	119	26511	1.69	ug/kg	96
94)	1,4-dichlorobenzene	16.098	146	16876	1.98	ug/kg	98
95)	1,2-dichlorobenzene	16.469	146	16071	1.94	ug/kg	96
96)	n-butylbenzene	16.516	91	23102	1.77	ug/kg	91
98)	1,3,5-trichlorobenzene	17.756	180	10739	2.07	ug/kg	98
99)	1,2,4-trichlorobenzene	18.308	180	10271	2.11	ug/kg	93
100)	hexachlorobutadiene	18.598	225	5996	2.04	ug/kg	98
101)	naphthalene	18.577	128	26603	1.69	ug/kg	100
102)	1,2,3-trichlorobenzene	18.793	180	10210	2.04	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59584.D
Acq On : 25 Sep 2013 8:58 pm
Operator : krystend
Sample : IC2064-2
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 26 07:06:30 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

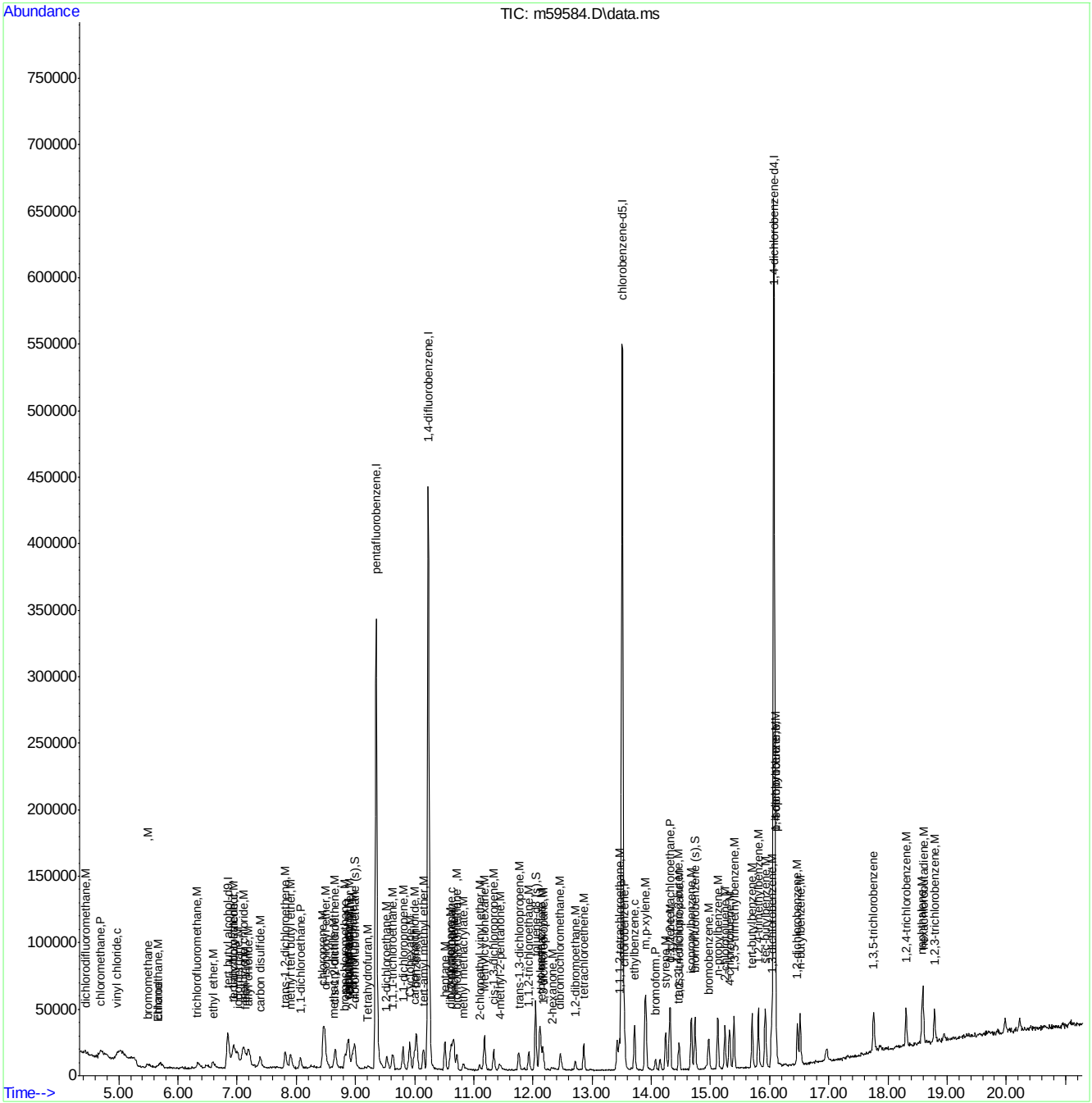
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59584.D
Acq On : 25 Sep 2013 8:58 pm
Operator : krystend
Sample : IC2064-2
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 26 07:06:30 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59585.D
Acq On : 25 Sep 2013 9:27 pm
Operator : krystend
Sample : IC2064-0.5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 26 07:08:26 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

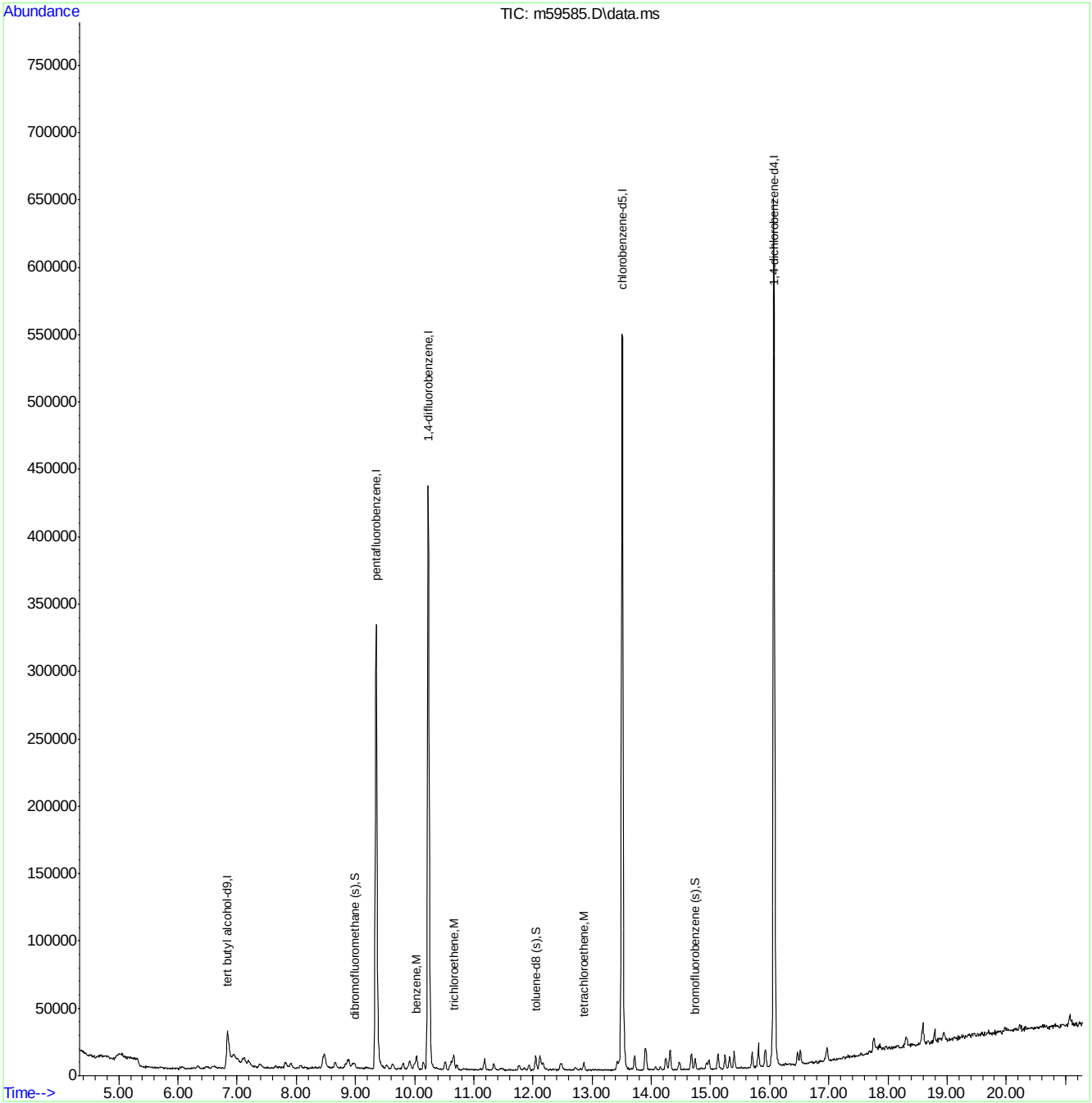
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	91501	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	273478	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	419212	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	162523	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	198458	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	2561	0.73	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.46%#			
59) toluene-d8 (s)	12.043	98	8287	0.67	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.34%#			
81) bromofluorobenzene (s)	14.738	95	3584	0.94	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.88%#			
Target Compounds						Qvalue
46) benzene	10.029	78	8213	0.64	ug/kg	95
50) trichloroethene	10.662	95	4732	1.33	ug/kg	92
66) tetrachloroethene	12.858	166	2007	0.62	ug/kg	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59585.D
Acq On : 25 Sep 2013 9:27 pm
Operator : krystend
Sample : IC2064-0.5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 26 07:08:26 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/26/13 08:18

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:09:52 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	96659	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	274163	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	422371	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	165381	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	203169	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	16522	4.73	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	9.46%#		
59) toluene-d8 (s)	12.043	98	53193	4.24	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	8.48%#		
81) bromofluorobenzene (s)	14.738	95	18788	4.81	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	9.62%#		
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	21329	74.70	ug/kg	90
3) Ethanol	5.671	45	9214	284.21	ug/kg#	39
5) dichlorodifluoromethane	4.418	85	20127m	5.65	ug/kg	
6) chloromethane	4.701	50	30514	5.78	ug/kg	93
7) vinyl chloride	4.957	62	30790	5.46	ug/kg	87
8) bromomethane ...	5.496	96	15761	6.40	ug/kg	95
9) chloroethane	5.671	64	11490	6.13	ug/kg	91
10) ethyl ether	6.587	59	12573	4.80	ug/kg	96
11) acetonitrile	6.580	41	3917	4.47	ug/kg	73
12) trichlorofluoromethane	6.331	101	23336	4.66	ug/kg	95
13) freon-113	7.139	101	13778	5.77	ug/kg	93
14) acrolein	6.358	56	12612	19.24	ug/kg	95
15) 1,1-dichloroethene	6.951	96	18559	6.53	ug/kg	88
17) Methyl Acetate	7.180	43	22951m	4.44	ug/kg	
18) methylene chloride	7.099	84	17561	5.36	ug/kg	94
19) methyl tert butyl ether	7.900	73	35886	5.31	ug/kg	95
20) acrylonitrile	7.079	53	5261	3.62	ug/kg	80
21) allyl chloride	7.200	41	30140	4.81	ug/kg	85
22) trans-1,2-dichloroethene	7.813	96	17967	5.59	ug/kg	97
23) iodomethane	7.004	142	32784	5.26	ug/kg	97
24) carbon disulfide	7.388	76	50852	5.56	ug/kg	100
25) propionitrile	8.197	54	1148m	2.26	ug/kg	
26) vinyl acetate	8.204	43	31924	3.68	ug/kg	100
27) chloroprene	8.446	53	25962	4.35	ug/kg	95
28) di-isopropyl ether	8.480	45	62955	4.19	ug/kg	95
29) methacrylonitrile	8.621	41	9364	3.86	ug/kg	90
31) 1,1-dichloroethane	8.069	63	28090	5.13	ug/kg	98
32) tert-butyl ethyl ether	8.884	59	44491	4.52	ug/kg	93
33) isobutyl alcohol	8.891	43	13685	29.68	ug/kg	81
34) 2,2-dichloropropane	8.951	77	17953	5.70	ug/kg	80
35) cis-1,2-dichloroethene	8.655	96	20777	5.35	ug/kg	90
36) ethyl acetate	8.891	43	13634	5.96	ug/kg	90
37) bromochloromethane	8.830	128	9556	4.99	ug/kg	90
38) chloroform	8.864	83	26678	4.62	ug/kg	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:09:52 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Tetrahydrofuran	9.207	42	6453	5.33	ug/kg	96
41) 1,1,1-trichloroethane	9.632	97	24259	5.67	ug/kg	96
43) Cyclohexane	9.915	56	29663	5.34	ug/kg	88
44) carbon tetrachloride	9.995	117	23672	5.28	ug/kg	98
45) 1,1-dichloropropene	9.807	75	20414	4.92	ug/kg	98
46) benzene	10.029	78	62837	4.88	ug/kg	99
47) 1,2-dichloroethane	9.524	62	21794	4.96	ug/kg	95
48) tert-amyl methyl ether	10.150	73	34768	5.35	ug/kg	98
49) heptane	10.514	43	29892	4.70	ug/kg	97
50) trichloroethene	10.656	95	19129	5.32	ug/kg	93
51) 1,2-dichloropropane	10.629	63	17803	4.58	ug/kg	97
52) dibromomethane	10.602	93	9601	4.85	ug/kg#	78
53) bromodichloromethane	10.709	83	22550	4.98	ug/kg	94
54) Methylcyclohexane	11.181	83	26902	4.94	ug/kg	94
55) 2-chloroethyl vinyl ether	11.093	63	6463	4.56	ug/kg#	47
56) methyl methacrylate	10.817	69	8303	3.99	ug/kg	84
57) 1,4-dioxane	10.824	88	88m	3.06	ug/kg	
58) cis-1,3-dichloropropene	11.336	75	24174	4.40	ug/kg	92
60) 4-methyl-2-pentanone	11.430	43	18988	4.57	ug/kg#	91
61) toluene	12.117	92	39510	4.26	ug/kg	97
62) trans-1,3-dichloropropene	11.760	75	20810	4.52	ug/kg	97
63) 1,1,2-trichloroethane	11.929	83	11954	4.88	ug/kg	98
64) ethyl methacrylate	12.131	69	15395	3.37	ug/kg	88
66) tetrachloroethene	12.865	166	17908	5.43	ug/kg	93
67) 1,3-dichloropropane	12.171	76	21809	4.84	ug/kg	93
68) dibromochloromethane	12.461	129	20160	5.07	ug/kg	99
69) 1,2-dibromoethane	12.717	107	16144	5.31	ug/kg	85
70) 2-hexanone	12.299	43	11867	4.22	ug/kg#	62
71) chlorobenzene	13.546	112	51113	5.02	ug/kg	91
72) 1,1,1,2-tetrachloroethane	13.458	131	19729	5.05	ug/kg	96
73) ethylbenzene	13.714	91	75713	4.74	ug/kg	95
74) m,p-xylene	13.903	106	61908	8.80	ug/kg	96
75) o-xylene	14.313	106	32584	4.55	ug/kg#	79
76) styrene	14.246	104	47924	4.55	ug/kg	97
77) bromoform	14.071	173	11886	4.60	ug/kg	91
78) trans-1,4-dichloro-2-b...	14.462	53	5748	4.44	ug/kg#	84
80) isopropylbenzene	14.677	105	81314	4.88	ug/kg	93
82) bromobenzene	14.974	156	21479	5.04	ug/kg	81
83) 1,1,2,2-tetrachloroethane	14.320	83	19040	4.81	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	19750	5.00	ug/kg	99
85) n-propylbenzene	15.122	91	86347	4.81	ug/kg	89
86) 2-chlorotoluene	15.243	91	54280	4.98	ug/kg	95
87) 4-chlorotoluene	15.324	91	50964	4.74	ug/kg	91
88) 1,3,5-trimethylbenzene	15.398	105	65437	4.60	ug/kg	99
89) tert-butylbenzene	15.701	91	36073	4.49	ug/kg	98
90) 1,2,4-trimethylbenzene	15.809	105	63965	4.54	ug/kg	100
91) sec-butylbenzene	15.930	105	90468	4.72	ug/kg	94
92) 1,3-dichlorobenzene	16.038	146	42828	5.11	ug/kg	96
93) p-isopropyltoluene	16.099	119	71777	4.52	ug/kg	97
94) 1,4-dichlorobenzene	16.105	146	42563	4.94	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:09:52 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

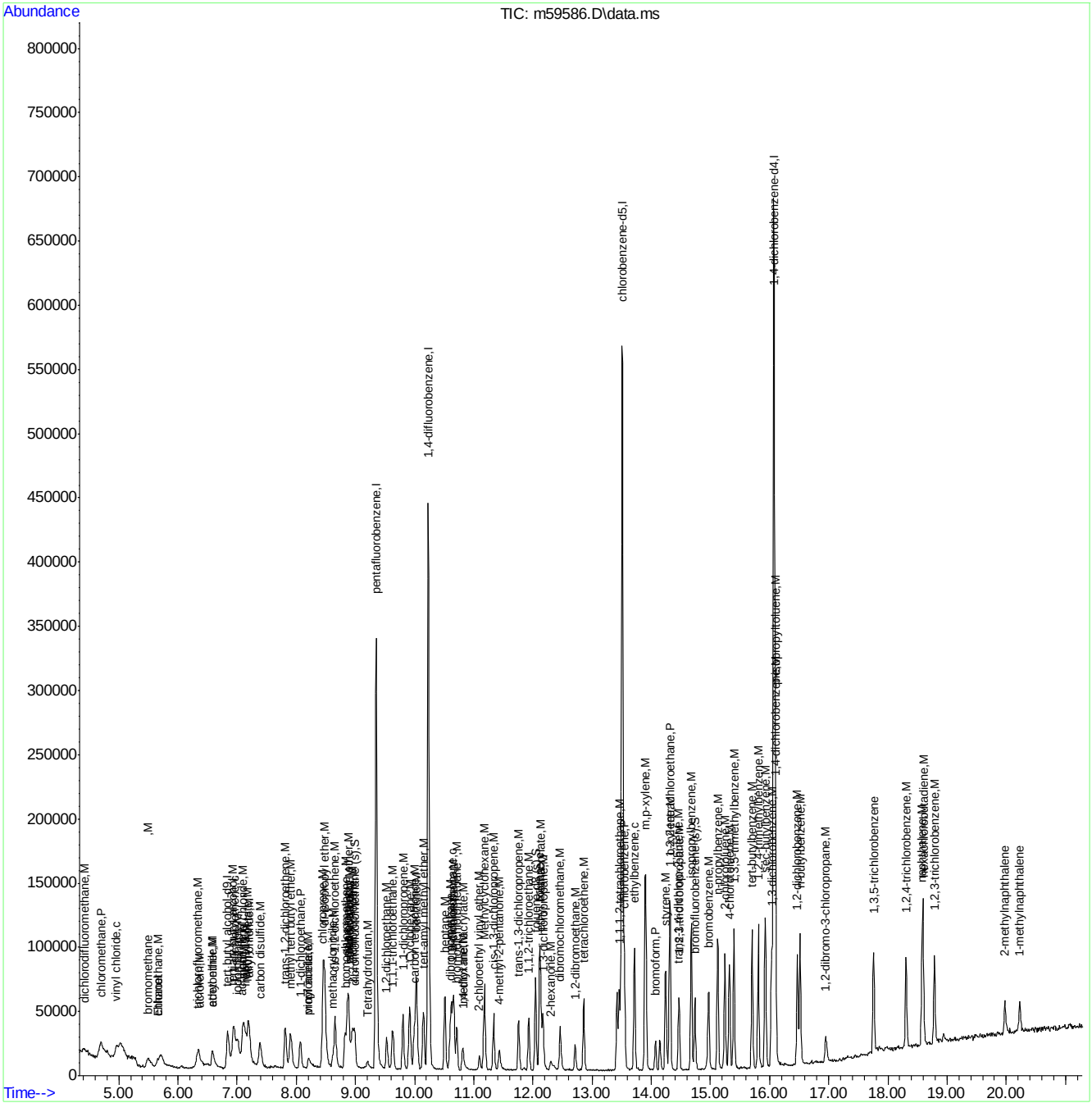
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	1,2-dichlorobenzene	16.469	146	42651	5.10	ug/kg	94
96)	n-butylbenzene	16.516	91	61506	4.67	ug/kg	93
97)	1,2-dibromo-3-chloropr...	16.947	75	4186	5.72	ug/kg#	68
98)	1,3,5-trichlorobenzene	17.762	180	27970	5.34	ug/kg	99
99)	1,2,4-trichlorobenzene	18.308	180	25812	5.26	ug/kg	96
100)	hexachlorobutadiene	18.598	225	15185	5.12	ug/kg	97
101)	naphthalene	18.578	128	69222	4.34	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	26415	5.22	ug/kg	94
103)	2-methylnaphthalene	19.979	142	17547	2.22	ug/kg#	94
104)	1-methylnaphthalene	20.228	TIC	70317	2.95	ug/kg	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

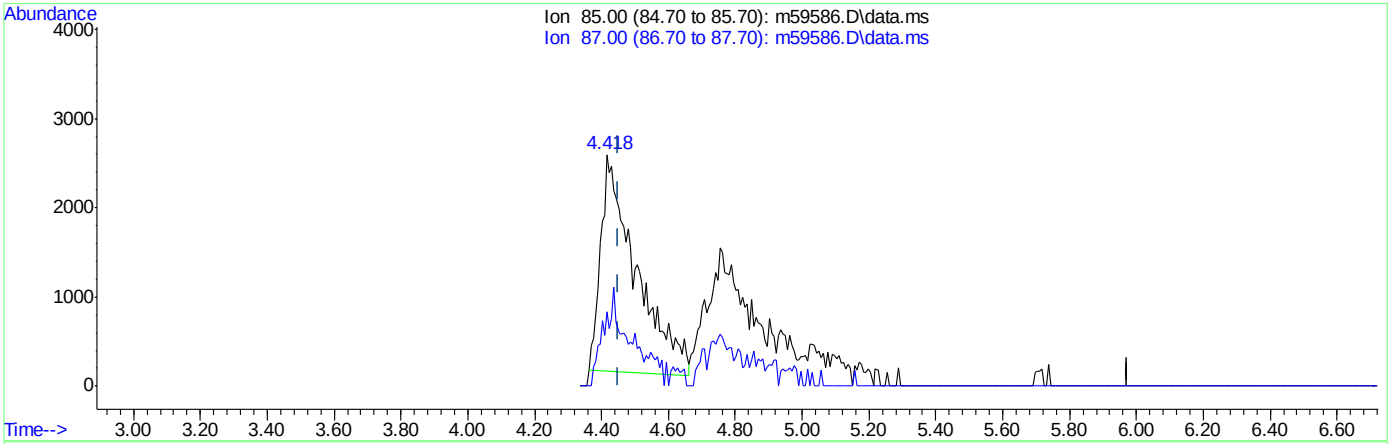
Quant Time: Sep 26 07:09:52 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

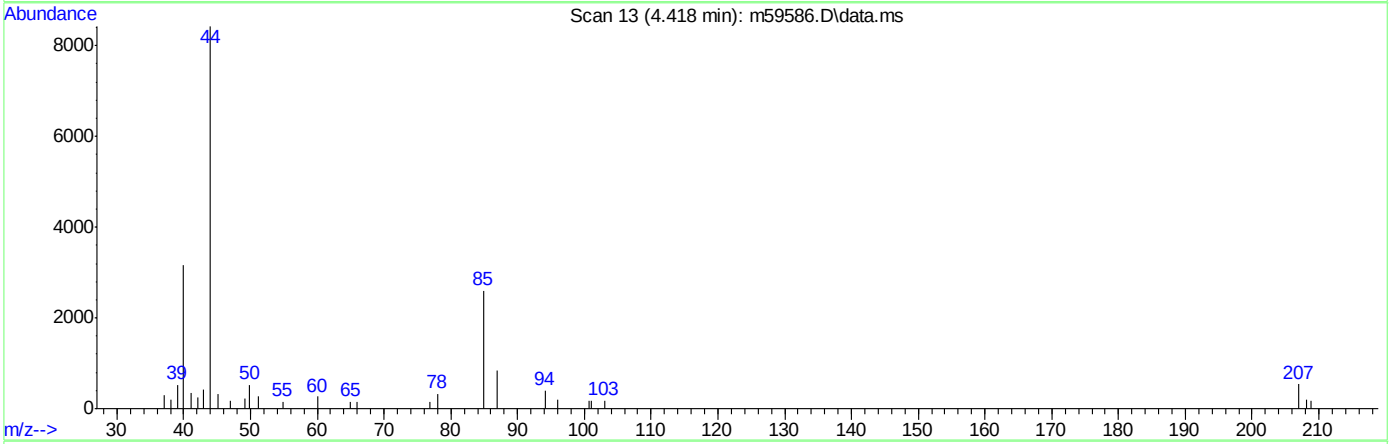


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:04:25 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59586.D\data.ms

(5) dichlorodifluoromethane (M)

4.418min (-0.034) 4.89ug/kg

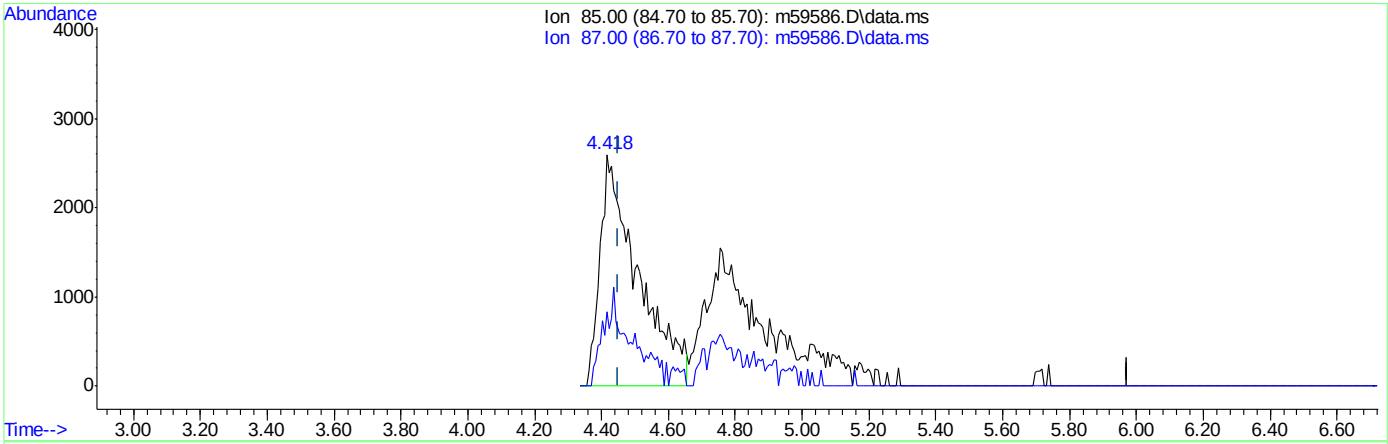
response 17436

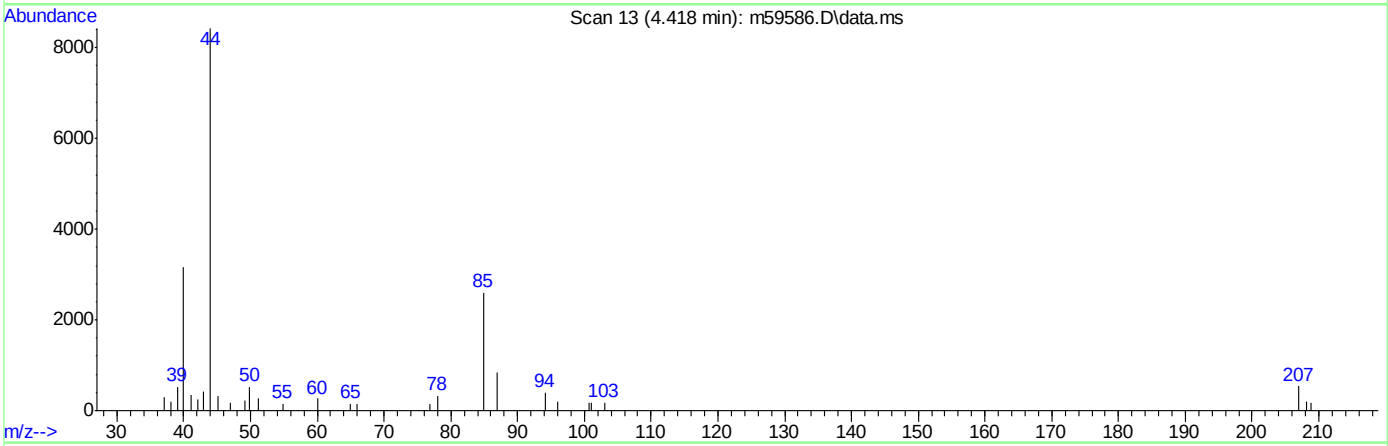
Ion	Exp%	Act%
85.00	100	100
87.00	32.10	34.45
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:04:25 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59586.D\data.ms

(5) dichlorodifluoromethane (M)

4.418min (-0.034) 5.65ug/kg m

response 20127

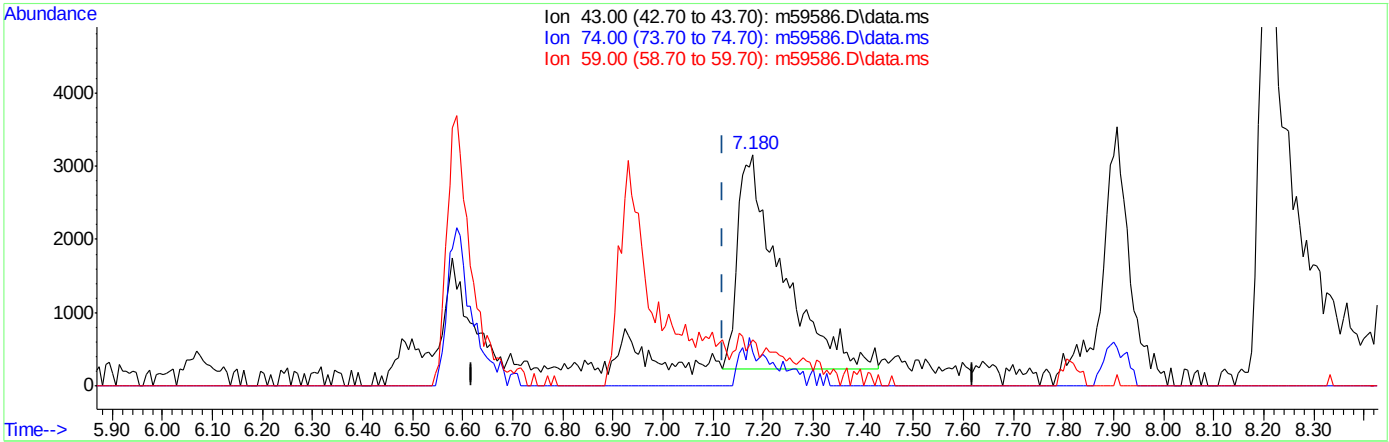
Ion	Exp%	Act%
85.00	100	100
87.00	32.10	32.00
0.00	0.00	0.00
0.00	0.00	0.00

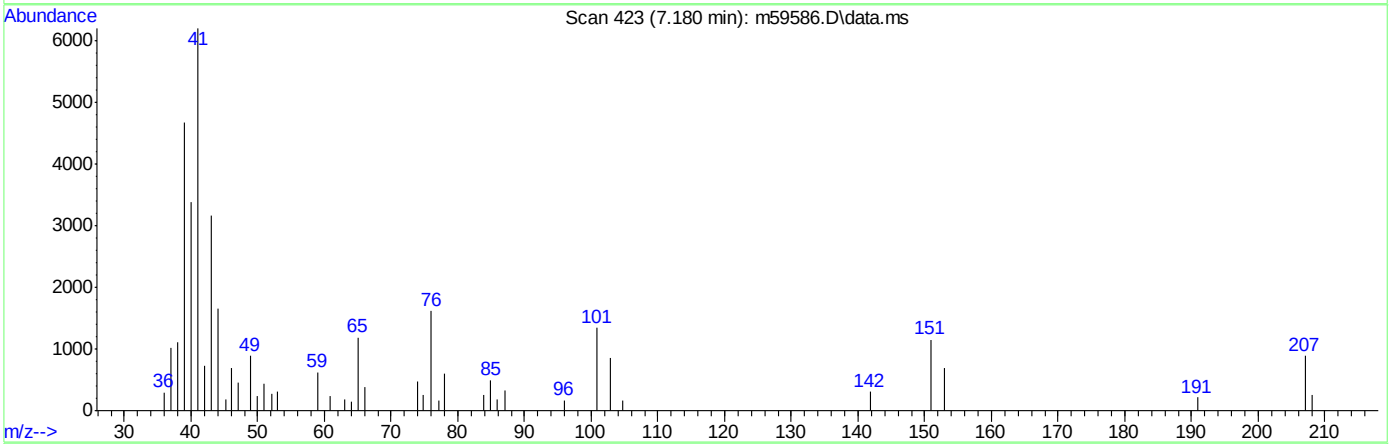
M59586.D edits: dichlorodifluoromethane

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:04:25 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59586.D\data.ms

(17) Methyl Acetate (M)

7.180min (+0.061) 3.46ug/kg

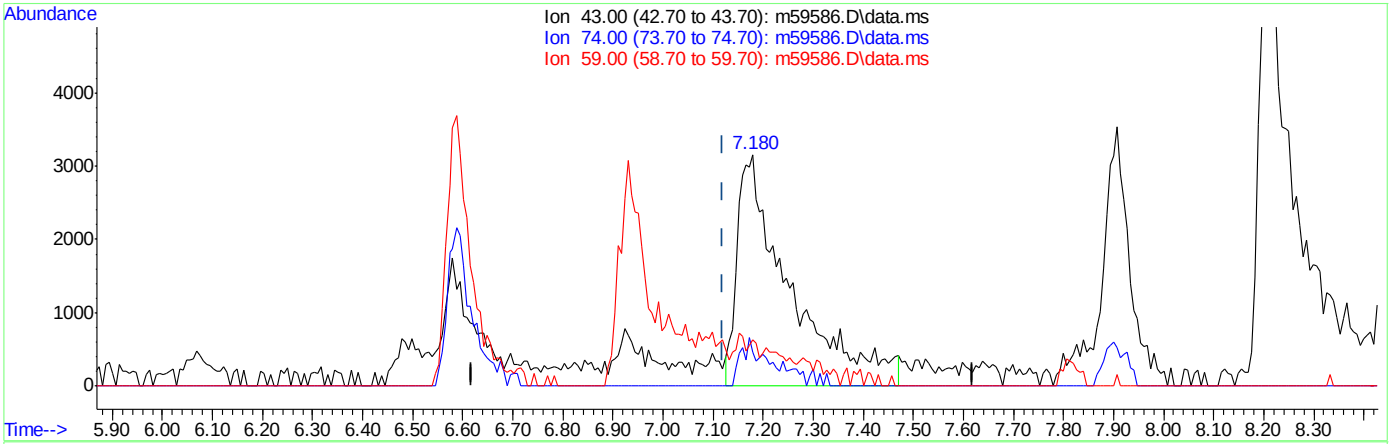
response 17864

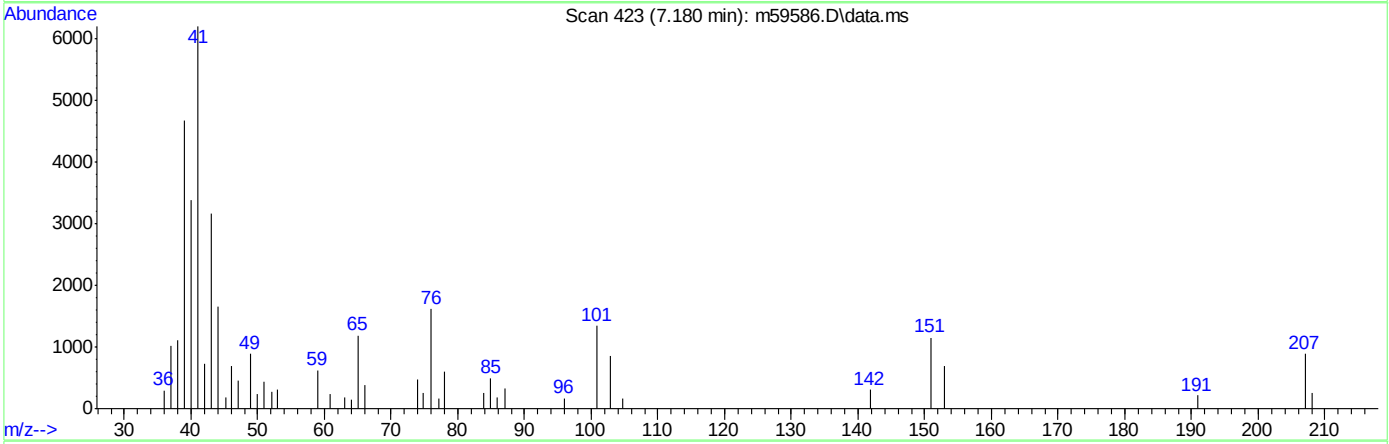
Ion	Exp%	Act%
43.00	100	100
74.00	19.10	16.07
59.00	13.90	16.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:04:25 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59586.D\data.ms

(17) Methyl Acetate (M)

7.180min (+0.061) 4.44ug/kg m

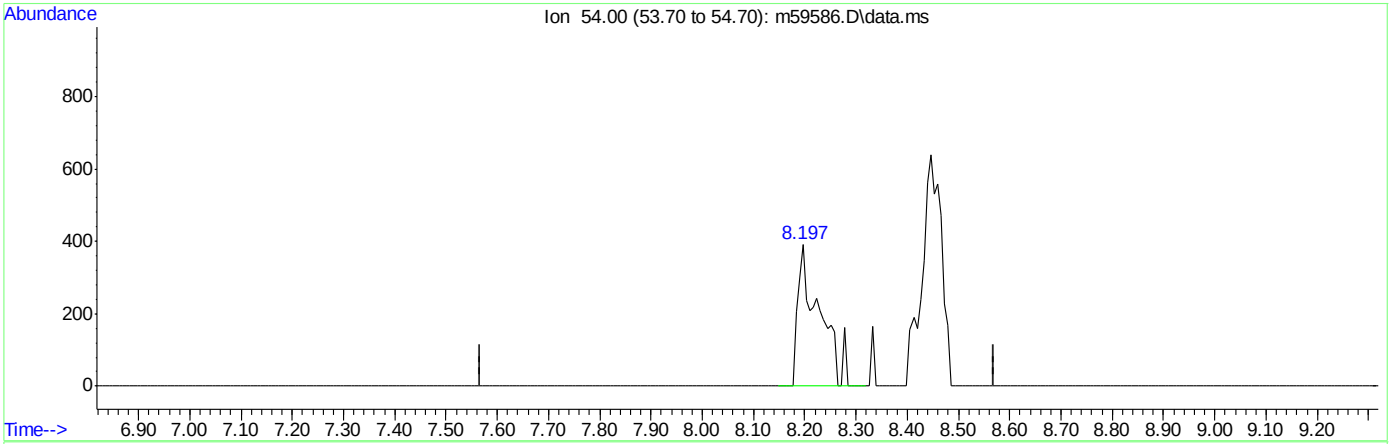
response 22951

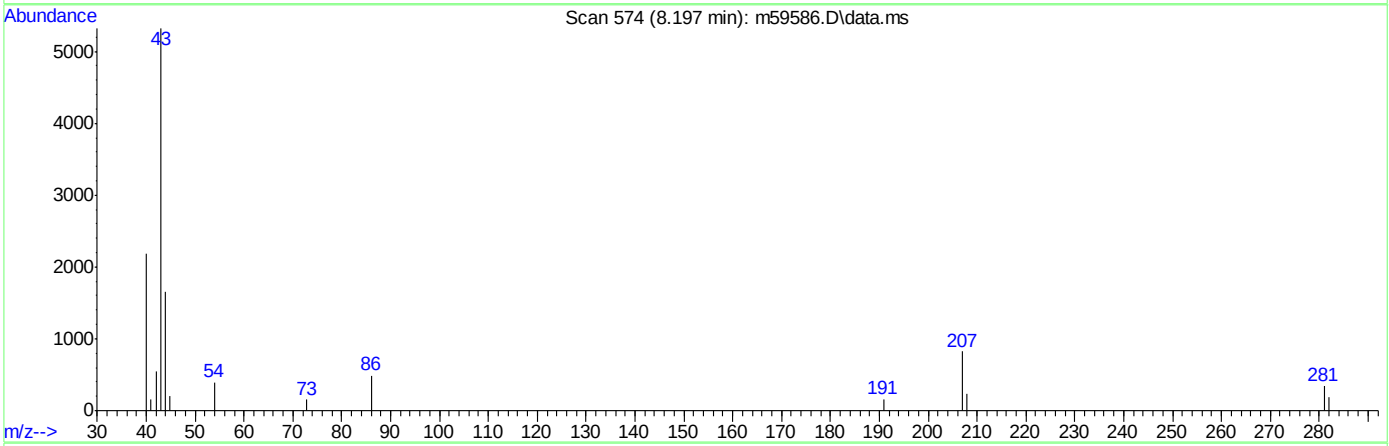
Ion	Exp%	Act%
43.00	100	100
74.00	19.10	14.88
59.00	13.90	19.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:04:25 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59586.D\data.ms

(25) propionitrile (M)

8.197min (+0.128) 2.26ug/kg m

response 1148

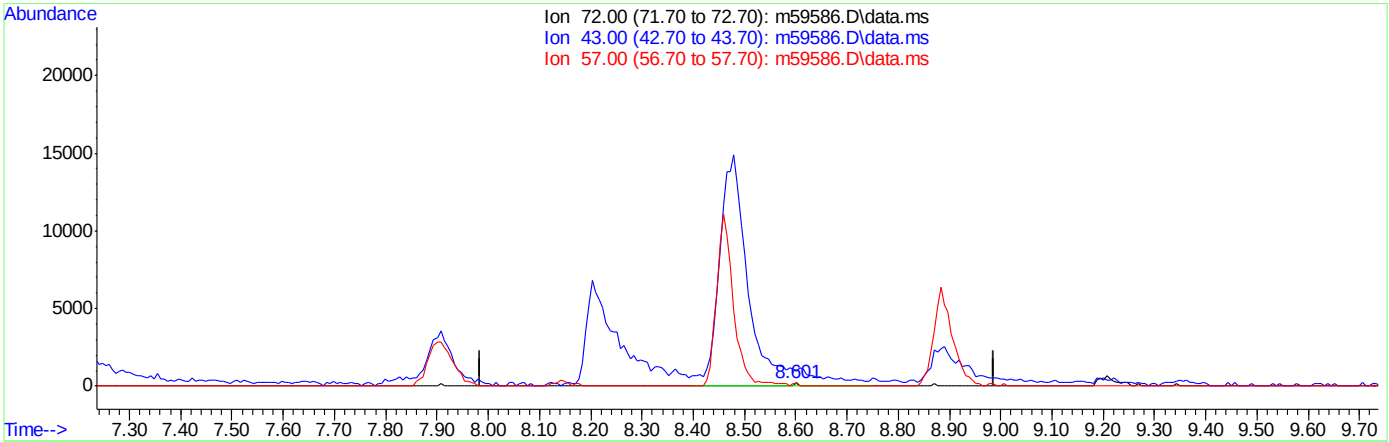
Ion	Exp%	Act%
54.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

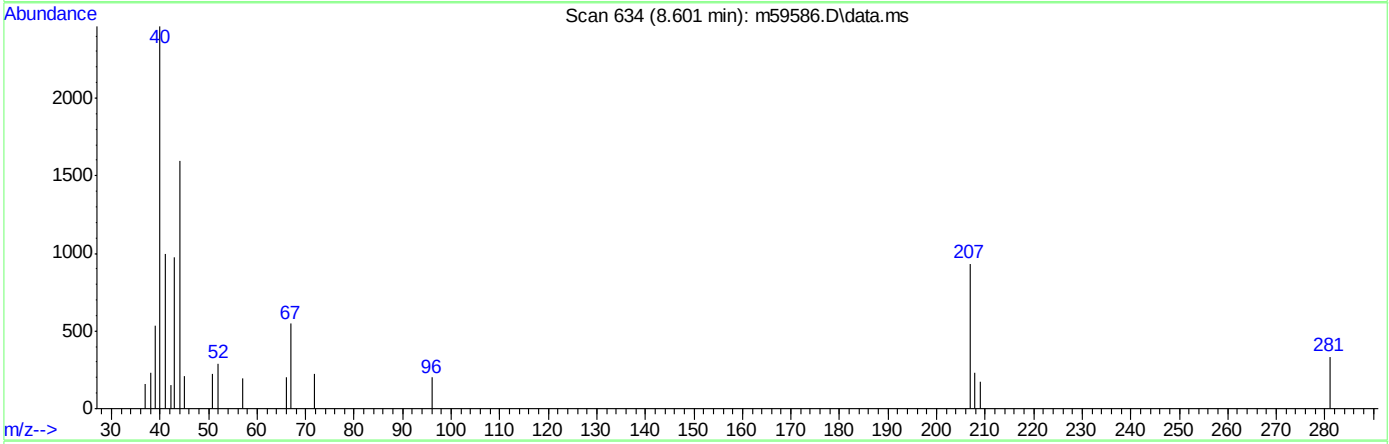
ACCUTEST LABORATORIES MC24774

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:04:25 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59586.D\data.ms

(30) 2-butanone (M)

8.601min (+0.114) 0.23ug/kg m

response 91

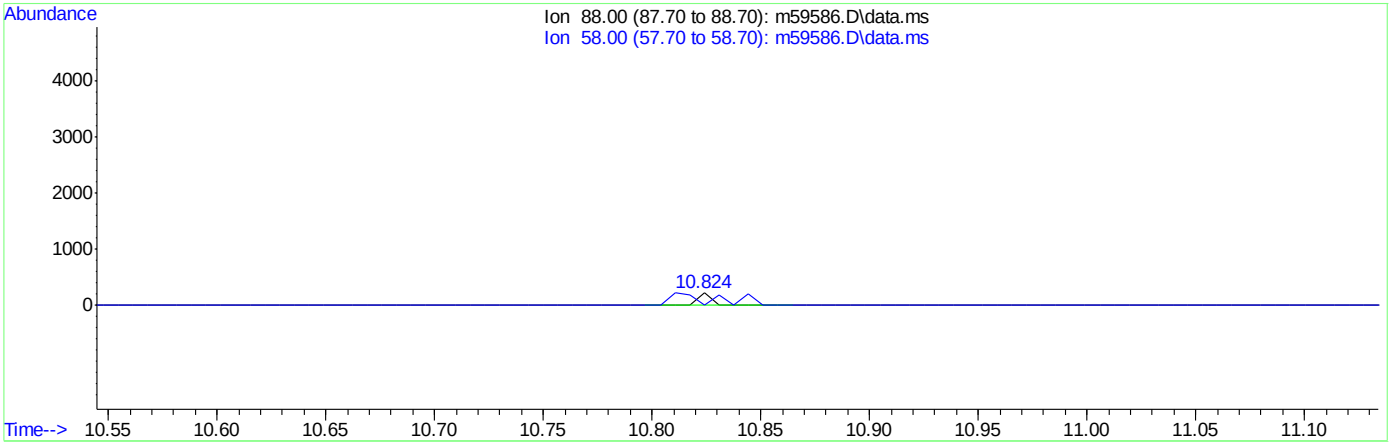
Ion	Exp%	Act%
72.00	100	100
43.00	1454.20	433.78#
57.00	137.70	86.67#
0.00	0.00	0.00

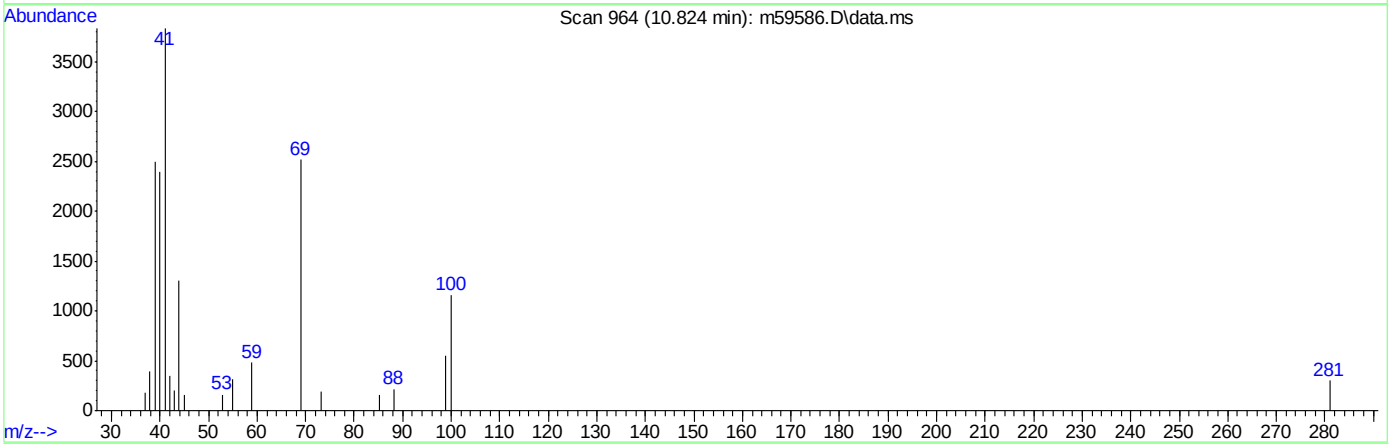
ACCUTEST LABORATORIES MC24774

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:04:25 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59586.D\data.ms

(57) 1,4-dioxane (M)

10.824min (+0.020) 3.06ug/kg m

response 88

Ion	Exp%	Act%
88.00	100	100
58.00	102.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/26/13 08:18

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59587.D
Acq On : 25 Sep 2013 10:26 pm
Operator : krystend
Sample : IC2064-10
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 26 07:11:17 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	99878	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	283389	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	432324	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	168903	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	208462	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	33858	9.38	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 18.76%#			
59) toluene-d8 (s)	12.043	98	112012	8.73	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 17.46%#			
81) bromofluorobenzene (s)	14.738	95	39255	9.79	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 19.58%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	42608	144.42	ug/kg	94
3) Ethanol	5.637	45	31325	935.09	ug/kg#	80
5) dichlorodifluoromethane	4.438	85	38084	10.34	ug/kg	97
6) chloromethane	4.687	50	58189	10.65	ug/kg	100
7) vinyl chloride	4.970	62	62117	10.66	ug/kg	94
8) bromomethane ...	5.502	96	31222	12.26	ug/kg	99
9) chloroethane	5.671	64	21475	11.08	ug/kg	99
10) ethyl ether	6.580	59	25812	9.52	ug/kg	96
11) acetonitrile	6.580	41	9172	10.12	ug/kg	82
12) trichlorofluoromethane	6.338	101	56657	10.96	ug/kg	94
13) freon-113	7.139	101	27985	11.33	ug/kg	85
14) acrolein	6.344	56	26155	38.61	ug/kg	95
15) 1,1-dichloroethene	6.944	96	33604	11.44	ug/kg	95
16) acetone	6.580	58	2066	6.59	ug/kg#	1
17) Methyl Acetate	7.153	43	43806	8.20	ug/kg	91
18) methylene chloride	7.099	84	34895	10.31	ug/kg	88
19) methyl tert butyl ether	7.900	73	70822	10.13	ug/kg	94
20) acrylonitrile	7.031	53	12116	8.07	ug/kg	91
21) allyl chloride	7.200	41	60913	9.40	ug/kg	89
22) trans-1,2-dichloroethene	7.813	96	36019	10.85	ug/kg	92
23) iodomethane	7.011	142	65451	10.17	ug/kg	99
24) carbon disulfide	7.388	76	102882	10.87	ug/kg	98
25) propionitrile	8.183	54	3503	6.66	ug/kg	100
26) vinyl acetate	8.190	43	69140	7.70	ug/kg	99
27) chloroprene	8.446	53	53190	8.63	ug/kg	91
28) di-isopropyl ether	8.486	45	132708	8.55	ug/kg	85
29) methacrylonitrile	8.614	41	19986	7.96	ug/kg	93
30) 2-butanone	8.547	72	2488m	6.19	ug/kg	
31) 1,1-dichloroethane	8.069	63	57515	10.16	ug/kg	98
32) tert-butyl ethyl ether	8.884	59	91362	8.98	ug/kg	98
33) isobutyl alcohol	8.884	43	22841	47.93	ug/kg	91
34) 2,2-dichloropropane	8.951	77	36548	11.22	ug/kg	97
35) cis-1,2-dichloroethene	8.662	96	39472	9.83	ug/kg	94
36) ethyl acetate	8.884	43	22689	9.60	ug/kg	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59587.D
Acq On : 25 Sep 2013 10:26 pm
Operator : krystend
Sample : IC2064-10
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 26 07:11:17 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	19463	9.84	ug/kg	96
38) chloroform	8.864	83	56349	9.44	ug/kg	99
40) Tetrahydrofuran	9.201	42	13252	10.59	ug/kg	96
41) 1,1,1-trichloroethane	9.632	97	48900	11.06	ug/kg	96
43) Cyclohexane	9.915	56	58389	10.27	ug/kg	89
44) carbon tetrachloride	10.002	117	47962	10.45	ug/kg	95
45) 1,1-dichloropropene	9.807	75	41914	9.86	ug/kg	91
46) benzene	10.029	78	131331	9.97	ug/kg	99
47) 1,2-dichloroethane	9.531	62	44468	9.90	ug/kg	100
48) tert-amyl methyl ether	10.150	73	69716	10.47	ug/kg	95
49) heptane	10.507	43	60824	9.35	ug/kg	94
50) trichloroethene	10.662	95	37512	10.20	ug/kg	89
51) 1,2-dichloropropane	10.622	63	36729	9.22	ug/kg	97
52) dibromomethane	10.602	93	20041	9.88	ug/kg	82
53) bromodichloromethane	10.716	83	46094	9.94	ug/kg	99
54) Methylcyclohexane	11.181	83	54248	9.73	ug/kg	94
55) 2-chloroethyl vinyl ether	11.093	63	13346	9.19	ug/kg	97
56) methyl methacrylate	10.811	69	17206	8.08	ug/kg	98
57) 1,4-dioxane	10.824	88	1067m	36.21	ug/kg	
58) cis-1,3-dichloropropene	11.336	75	50721	9.02	ug/kg	88
60) 4-methyl-2-pentanone	11.430	43	37772	8.88	ug/kg	99
61) toluene	12.117	92	81243	8.56	ug/kg	99
62) trans-1,3-dichloropropene	11.760	75	43008	9.12	ug/kg	89
63) 1,1,2-trichloroethane	11.929	83	24122	9.63	ug/kg	92
64) ethyl methacrylate	12.131	69	35142	7.52	ug/kg	94
66) tetrachloroethene	12.858	166	36838	10.93	ug/kg	97
67) 1,3-dichloropropane	12.165	76	45612	9.91	ug/kg	98
68) dibromochloromethane	12.461	129	41262	10.16	ug/kg	97
69) 1,2-dibromoethane	12.710	107	31979	10.29	ug/kg	99
70) 2-hexanone	12.293	43	27281	9.50	ug/kg	94
71) chlorobenzene	13.545	112	105801	10.17	ug/kg	92
72) 1,1,1,2-tetrachloroethane	13.465	131	40829	10.23	ug/kg	96
73) ethylbenzene	13.714	91	156318	9.59	ug/kg	96
74) m,p-xylene	13.903	106	130519	18.16	ug/kg	91
75) o-xylene	14.313	106	65728	8.99	ug/kg	87
76) styrene	14.239	104	99082	9.20	ug/kg	98
77) bromoform	14.071	173	25700	9.74	ug/kg	97
78) trans-1,4-dichloro-2-b...	14.462	53	11863	8.96	ug/kg#	84
80) isopropylbenzene	14.677	105	172629	10.11	ug/kg	94
82) bromobenzene	14.974	156	47471	10.85	ug/kg#	83
83) 1,1,2,2-tetrachloroethane	14.320	83	39830	9.80	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	40483	9.99	ug/kg	97
85) n-propylbenzene	15.122	91	185630	10.07	ug/kg	93
86) 2-chlorotoluene	15.243	91	111711	9.99	ug/kg	91
87) 4-chlorotoluene	15.324	91	108677	9.86	ug/kg	94
88) 1,3,5-trimethylbenzene	15.398	105	137839	9.44	ug/kg	93
89) tert-butylbenzene	15.701	91	76509	9.27	ug/kg	91
90) 1,2,4-trimethylbenzene	15.809	105	135531	9.38	ug/kg	99
91) sec-butylbenzene	15.930	105	192021	9.76	ug/kg	97
92) 1,3-dichlorobenzene	16.038	146	88856	10.34	ug/kg	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59587.D
Acq On : 25 Sep 2013 10:26 pm
Operator : krystend
Sample : IC2064-10
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 26 07:11:17 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

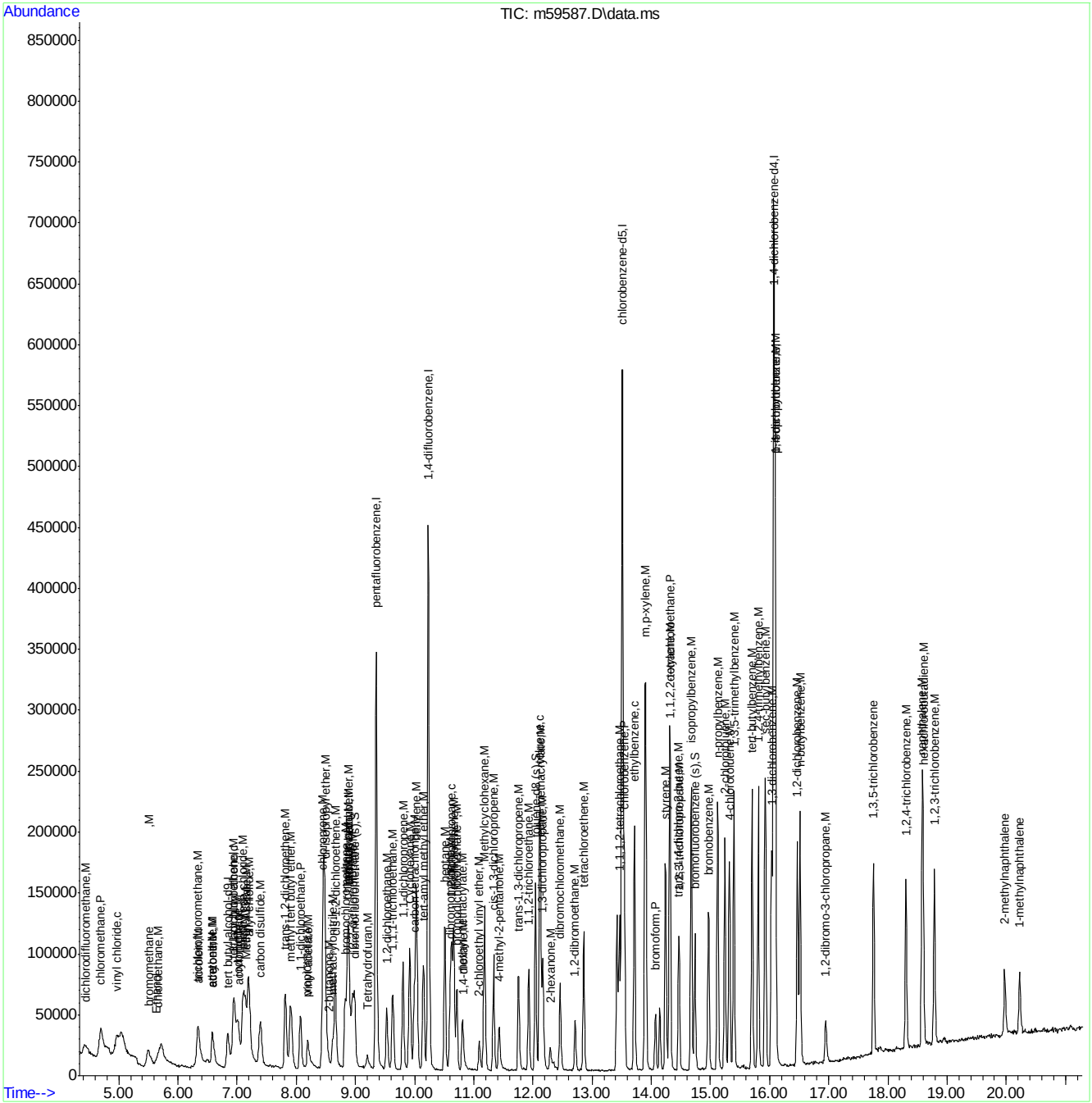
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	149001	9.15	ug/kg	95
94)	1,4-dichlorobenzene	16.099	146	87955	9.94	ug/kg	96
95)	1,2-dichlorobenzene	16.469	146	88713	10.34	ug/kg	98
96)	n-butylbenzene	16.516	91	126843	9.39	ug/kg	91
97)	1,2-dibromo-3-chloropr...	16.947	75	8198	10.93	ug/kg	80
98)	1,3,5-trichlorobenzene	17.756	180	55461	10.32	ug/kg	99
99)	1,2,4-trichlorobenzene	18.308	180	53263	10.57	ug/kg	98
100)	hexachlorobutadiene	18.598	225	30993	10.19	ug/kg	99
101)	naphthalene	18.578	128	150663	9.22	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	54231	10.45	ug/kg	95
103)	2-methylnaphthalene	19.972	142	38178	4.70	ug/kg	96
104)	1-methylnaphthalene	20.228	TIC	139645	5.71	ug/kg	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59587.D
Acq On : 25 Sep 2013 10:26 pm
Operator : krystend
Sample : IC2064-10
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

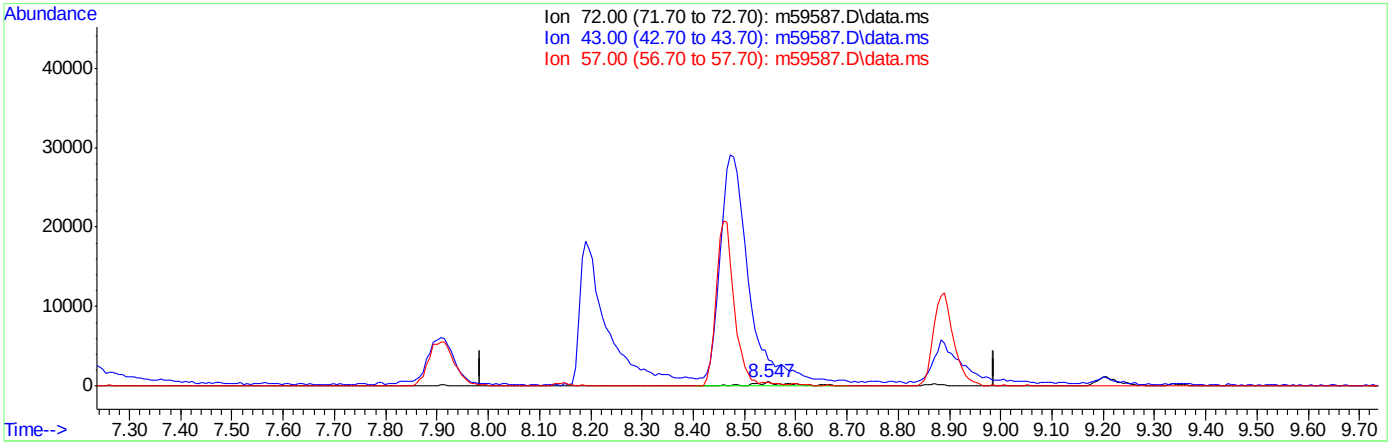
Quant Time: Sep 26 07:11:17 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

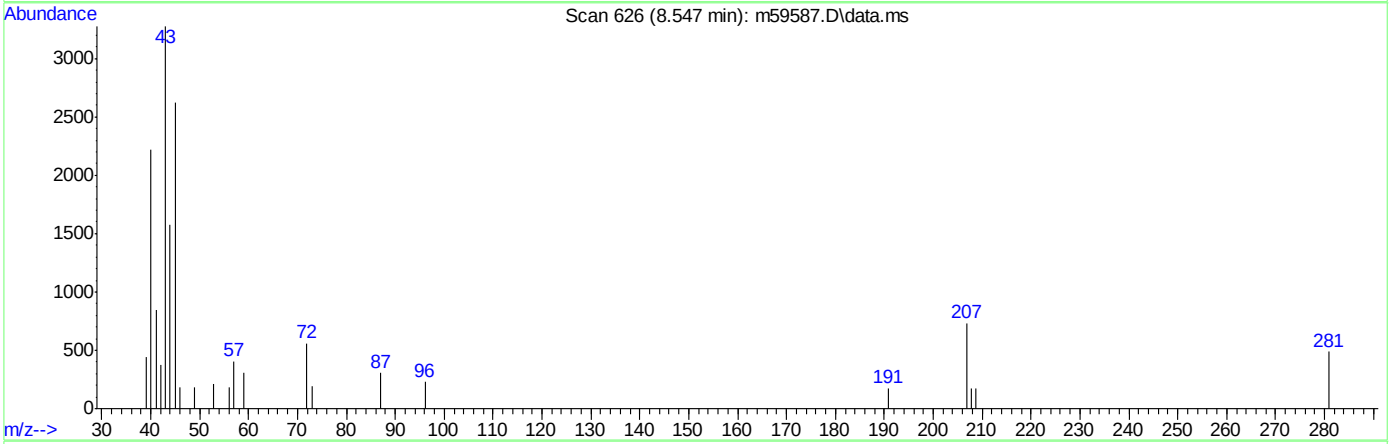


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59587.D
Acq On : 25 Sep 2013 10:26 pm
Operator : krystend
Sample : IC2064-10
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 26 07:04:28 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59587.D\data.ms

(30) 2-butanone (M)

8.547min (+0.061) 6.19ug/kg m

response 2488

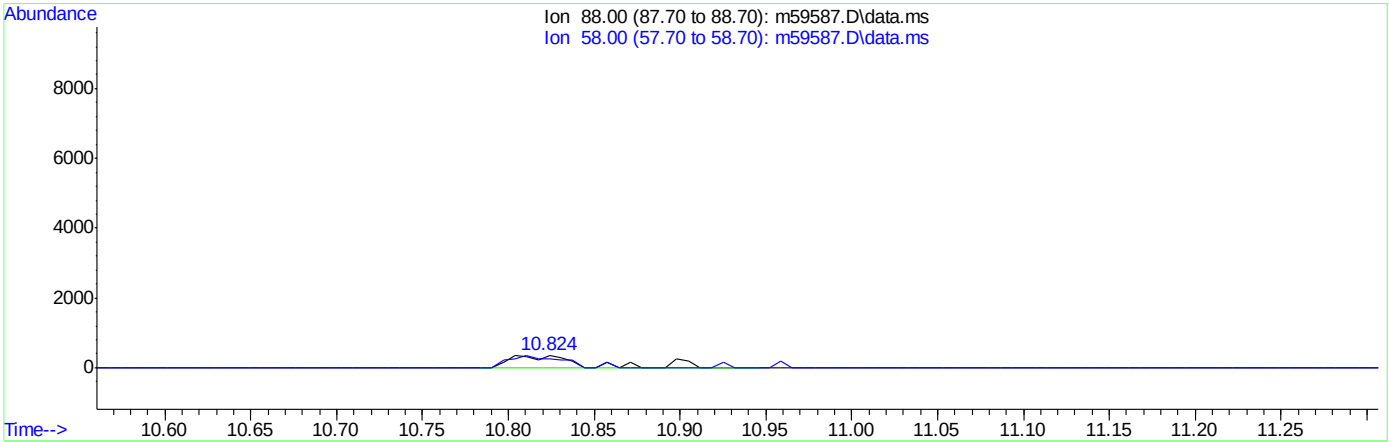
Ion	Exp%	Act%
72.00	100	100
43.00	1454.20	587.10#
57.00	137.70	72.58#
0.00	0.00	0.00

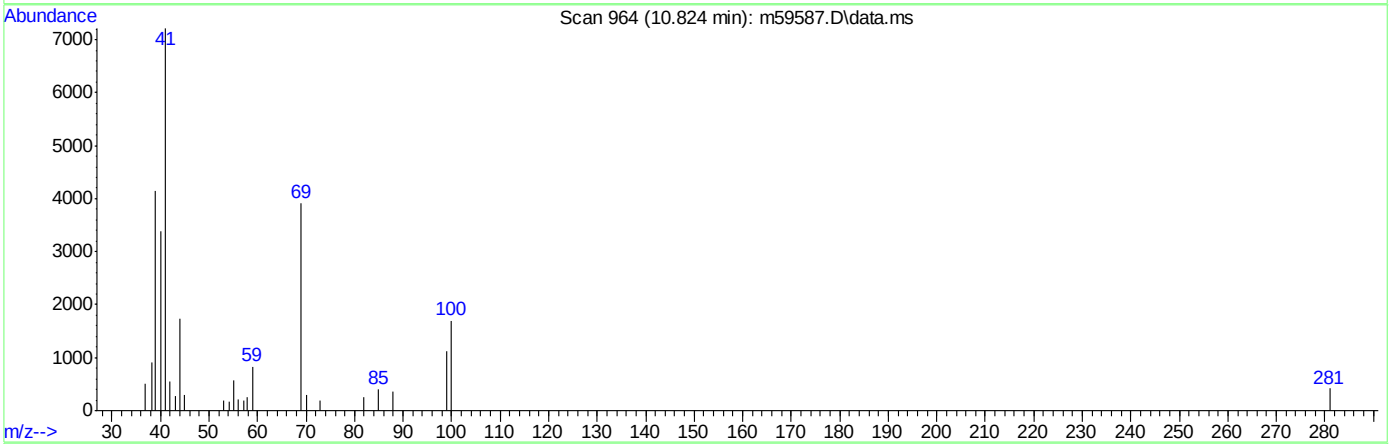
ACCUTEST LABORATORIES MC24774

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59587.D
Acq On : 25 Sep 2013 10:26 pm
Operator : krystend
Sample : IC2064-10
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 26 07:04:28 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59587.D\data.ms

(57) 1,4-dioxane (M)

10.824min (+0.020) 36.21ug/kg m

response 1067

Ion	Exp%	Act%
88.00	100	100
58.00	102.60	69.19#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59588.D
Acq On : 25 Sep 2013 10:55 pm
Operator : krystend
Sample : IC2064-20
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 26 07:04:31 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	97752	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	285763	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	442235	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	179201	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	217123	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	64703	17.77	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 35.54%#			
59) toluene-d8 (s)	12.043	98	220196	16.77	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 33.54%#			
81) bromofluorobenzene (s)	14.738	95	76733	18.37	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 36.74%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	59711	206.80	ug/kg	94
3) Ethanol	5.650	45	62397	1903.13	ug/kg#	67
5) dichlorodifluoromethane	4.458	85	72984	19.65	ug/kg	97
6) chloromethane	4.707	50	116446	21.14	ug/kg	98
7) vinyl chloride	4.984	62	130782	22.26	ug/kg	99
8) bromomethane ...	5.509	96	60404	23.53	ug/kg	98
9) chloroethane	5.684	64	42614	21.80	ug/kg	99
10) ethyl ether	6.580	59	52565	19.23	ug/kg	100
11) acetonitrile	6.587	41	14564	15.93	ug/kg	95
12) trichlorofluoromethane	6.338	101	110013	21.10	ug/kg	99
13) freon-113	7.139	101	59841	24.02	ug/kg	89
14) acrolein	6.344	56	53201	77.88	ug/kg	96
15) 1,1-dichloroethene	6.957	96	63564	21.46	ug/kg	90
16) acetone	6.560	58	4803	15.19	ug/kg	94
17) Methyl Acetate	7.139	43	83683	15.54	ug/kg	93
18) methylene chloride	7.106	84	69253	20.30	ug/kg	98
19) methyl tert butyl ether	7.914	73	140912	19.99	ug/kg	91
20) acrylonitrile	7.018	53	23733	15.69	ug/kg	99
21) allyl chloride	7.200	41	128156	19.61	ug/kg	93
22) trans-1,2-dichloroethene	7.813	96	68164	20.36	ug/kg	99
23) iodomethane	7.018	142	129835	20.00	ug/kg	95
24) carbon disulfide	7.395	76	199220	20.88	ug/kg	99
25) propionitrile	8.170	54	8831	16.66	ug/kg	100
26) vinyl acetate	8.183	43	144918	16.01	ug/kg	97
27) chloroprene	8.446	53	106799	17.19	ug/kg	94
28) di-isopropyl ether	8.486	45	263295	16.83	ug/kg	88
29) methacrylonitrile	8.614	41	40325	15.93	ug/kg	97
30) 2-butanone	8.520	72	5387	13.30	ug/kg#	86
31) 1,1-dichloroethane	8.069	63	112390	19.68	ug/kg	99
32) tert-butyl ethyl ether	8.884	59	183260	17.86	ug/kg	99
33) isobutyl alcohol	8.884	43	45131	93.92	ug/kg	94
34) 2,2-dichloropropane	8.951	77	69629	21.20	ug/kg	94
35) cis-1,2-dichloroethene	8.662	96	76310	18.85	ug/kg	98
36) ethyl acetate	8.884	43	45078	18.92	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59588.D
Acq On : 25 Sep 2013 10:55 pm
Operator : krystend
Sample : IC2064-20
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 26 07:04:31 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	37519	18.81	ug/kg	94
38) chloroform	8.864	83	108218	17.99	ug/kg	100
40) Tetrahydrofuran	9.207	42	25009	19.82	ug/kg	90
41) 1,1,1-trichloroethane	9.632	97	96501	21.64	ug/kg	97
43) Cyclohexane	9.915	56	117199	20.15	ug/kg	88
44) carbon tetrachloride	10.002	117	94073	20.03	ug/kg	98
45) 1,1-dichloropropene	9.807	75	83016	19.09	ug/kg	92
46) benzene	10.036	78	261678	19.42	ug/kg	98
47) 1,2-dichloroethane	9.531	62	88608	19.28	ug/kg	98
48) tert-amyl methyl ether	10.150	73	135752	19.94	ug/kg	97
49) heptane	10.514	43	117953	17.72	ug/kg	95
50) trichloroethene	10.662	95	72867	19.37	ug/kg	88
51) 1,2-dichloropropane	10.622	63	72352	17.76	ug/kg	99
52) dibromomethane	10.602	93	38735	18.67	ug/kg	89
53) bromodichloromethane	10.710	83	91376	19.26	ug/kg	100
54) Methylcyclohexane	11.181	83	110810	19.43	ug/kg	92
55) 2-chloroethyl vinyl ether	11.087	63	24993	16.83	ug/kg	98
56) methyl methacrylate	10.804	69	37915	17.41	ug/kg	94
57) 1,4-dioxane	10.824	88	2568	85.21	ug/kg	99
58) cis-1,3-dichloropropene	11.336	75	102445	17.82	ug/kg	95
60) 4-methyl-2-pentanone	11.424	43	76710	17.62	ug/kg	98
61) toluene	12.117	92	165190	17.02	ug/kg	99
62) trans-1,3-dichloropropene	11.754	75	86703	17.98	ug/kg	92
63) 1,1,2-trichloroethane	11.929	83	49156	19.18	ug/kg	98
64) ethyl methacrylate	12.124	69	71033	14.87	ug/kg	89
66) tetrachloroethene	12.858	166	71809	20.08	ug/kg	95
67) 1,3-dichloropropane	12.165	76	89023	18.23	ug/kg	96
68) dibromochloromethane	12.461	129	82718	19.20	ug/kg	99
69) 1,2-dibromoethane	12.710	107	64170	19.46	ug/kg	100
70) 2-hexanone	12.286	43	48204	15.81	ug/kg	100
71) chlorobenzene	13.546	112	214215	19.40	ug/kg	94
72) 1,1,1,2-tetrachloroethane	13.465	131	81604	19.28	ug/kg	97
73) ethylbenzene	13.714	91	312243	18.05	ug/kg	95
74) m,p-xylene	13.903	106	265238	34.78	ug/kg	95
75) o-xylene	14.313	106	136112	17.55	ug/kg	96
76) styrene	14.239	104	204696	17.92	ug/kg	97
77) bromoform	14.071	173	50873	18.18	ug/kg	97
78) trans-1,4-dichloro-2-b...	14.462	53	23560	16.78	ug/kg	94
80) isopropylbenzene	14.677	105	352011	19.78	ug/kg	96
82) bromobenzene	14.967	156	93701	20.56	ug/kg	87
83) 1,1,2,2-tetrachloroethane	14.320	83	79109	18.69	ug/kg	95
84) 1,2,3-trichloropropane	14.468	75	81333	19.26	ug/kg	99
85) n-propylbenzene	15.122	91	373219	19.44	ug/kg	93
86) 2-chlorotoluene	15.243	91	228809	19.64	ug/kg	91
87) 4-chlorotoluene	15.317	91	224830	19.58	ug/kg	90
88) 1,3,5-trimethylbenzene	15.398	105	285826	18.80	ug/kg	95
89) tert-butylbenzene	15.701	91	154717	18.00	ug/kg	87
90) 1,2,4-trimethylbenzene	15.809	105	280366	18.62	ug/kg	95
91) sec-butylbenzene	15.930	105	391583	19.10	ug/kg	95
92) 1,3-dichlorobenzene	16.031	146	182582	20.39	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59588.D
Acq On : 25 Sep 2013 10:55 pm
Operator : krystend
Sample : IC2064-20
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 26 07:04:31 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

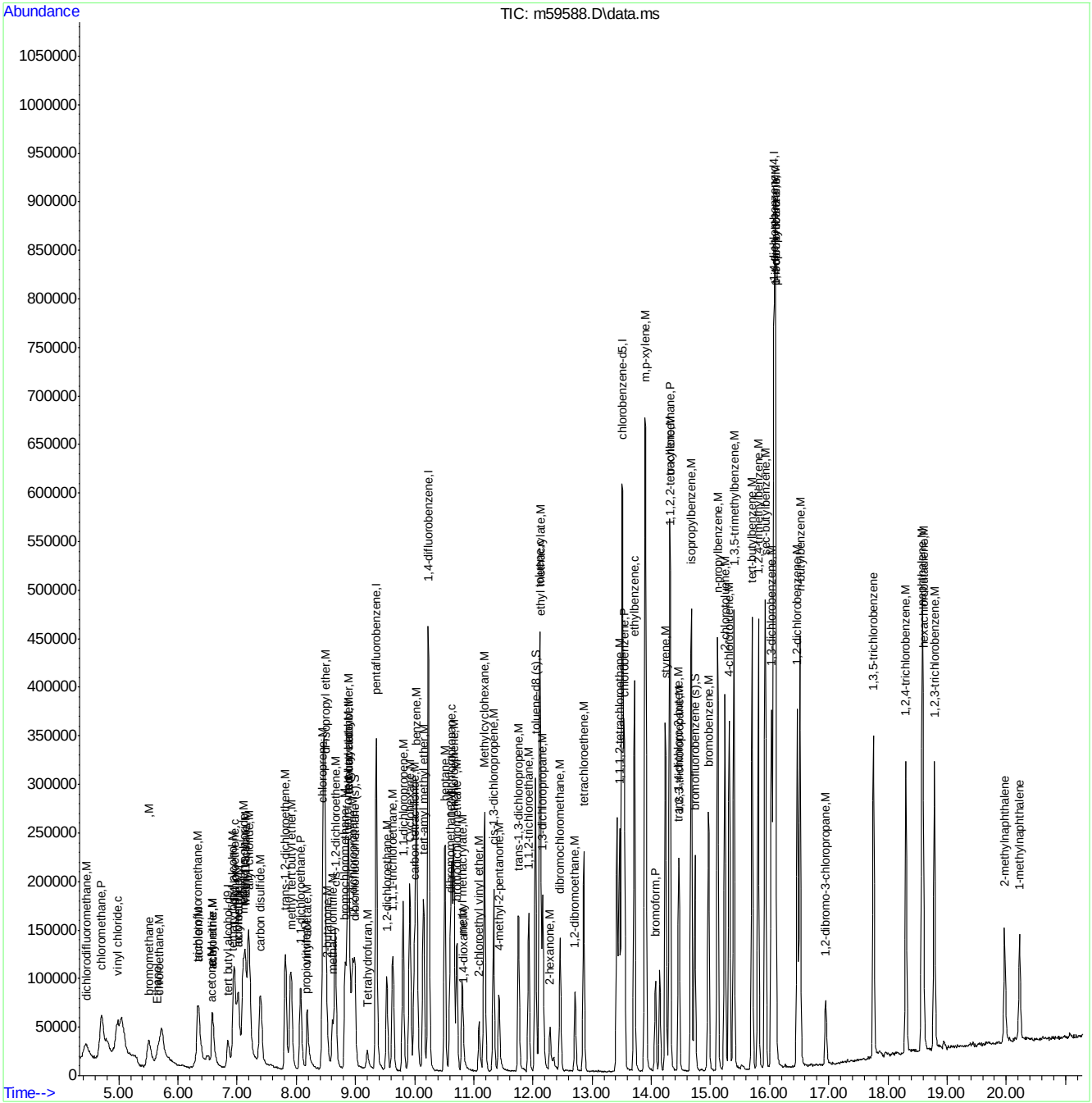
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	305955	18.04	ug/kg	97
94)	1,4-dichlorobenzene	16.099	146	178798	19.40	ug/kg	97
95)	1,2-dichlorobenzene	16.469	146	184201	20.62	ug/kg	97
96)	n-butylbenzene	16.516	91	267394	19.01	ug/kg	93
97)	1,2-dibromo-3-chloropr...	16.947	75	15858	20.29	ug/kg	83
98)	1,3,5-trichlorobenzene	17.756	180	118880	21.25	ug/kg	99
99)	1,2,4-trichlorobenzene	18.301	180	111545	21.26	ug/kg	98
100)	hexachlorobutadiene	18.598	225	62965	19.88	ug/kg	99
101)	naphthalene	18.578	128	313663	18.42	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	112080	20.73	ug/kg	92
103)	2-methylnaphthalene	19.979	142	81331	9.62	ug/kg	99
104)	1-methylnaphthalene	20.228	TIC	260471	10.23	ug/kg	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59588.D
Acq On : 25 Sep 2013 10:55 pm
Operator : krystend
Sample : IC2064-20
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 26 07:04:31 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/26/13 08:18

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59589.D
Acq On : 25 Sep 2013 11:24 pm
Operator : krystend
Sample : ICC2064-50
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 26 07:13:16 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.836	65	108224	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	288777	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	449089	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	193869	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	229799	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	197096	53.56	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 107.12%			
59) toluene-d8 (s)		12.043	98	687195	51.54	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 103.08%			
81) bromofluorobenzene (s)		14.738	95	240573	54.41	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 108.82%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	194107	607.20	ug/kg	98
3) Ethanol		5.644	45	204453	5632.49	ug/kg	94
5) dichlorodifluoromethane		4.424	85	191625	51.06	ug/kg	100
6) chloromethane		4.701	50	323914	58.20	ug/kg	98
7) vinyl chloride		4.970	62	314565	52.98	ug/kg	98
8) bromomethane	...	5.495	96	151910	58.56	ug/kg	97
9) chloroethane		5.671	64	116948m	59.19	ug/kg	
10) ethyl ether		6.573	59	148110	53.63	ug/kg	99
11) acetonitrile		6.573	41	40027	43.32	ug/kg	90
12) trichlorofluoromethane		6.331	101	300055	56.94	ug/kg	99
13) freon-113		7.146	101	162526	64.56	ug/kg	88
14) acrolein		6.324	56	166646	241.40	ug/kg	99
15) 1,1-dichloroethene		6.951	96	169585	56.67	ug/kg	95
16) acetone		6.479	58	19587	61.31	ug/kg#	67
17) Methyl Acetate		7.126	43	280707	51.57	ug/kg	95
18) methylene chloride		7.099	84	189996	55.10	ug/kg	94
19) methyl tert butyl ether		7.900	73	402913	56.57	ug/kg	91
20) acrylonitrile		7.004	53	80719	52.79	ug/kg	82
21) allyl chloride		7.193	41	343998	52.09	ug/kg	89
22) trans-1,2-dichloroethene		7.813	96	187050	55.28	ug/kg	95
23) iodomethane		7.011	142	366901	55.92	ug/kg	95
24) carbon disulfide		7.395	76	543859	56.41	ug/kg	100
25) propionitrile		8.156	54	28474	53.15	ug/kg	100
26) vinyl acetate		8.170	43	450551	49.27	ug/kg	100
27) chloroprene		8.446	53	305274	48.62	ug/kg	95
28) di-isopropyl ether		8.480	45	758511	47.98	ug/kg	93
29) methacrylonitrile		8.601	41	122870	48.03	ug/kg	95
30) 2-butanone		8.500	72	20200	49.34	ug/kg#	1
31) 1,1-dichloroethane		8.069	63	311221	53.93	ug/kg	99
32) tert-butyl ethyl ether		8.884	59	528426	50.96	ug/kg	97
33) isobutyl alcohol		8.891	43	144272	297.09	ug/kg	100
34) 2,2-dichloropropane		8.951	77	196014	59.06	ug/kg	97
35) cis-1,2-dichloroethene		8.655	96	213424	52.18	ug/kg	99
36) ethyl acetate		8.891	43	144202	59.89	ug/kg	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59589.D
Acq On : 25 Sep 2013 11:24 pm
Operator : krystend
Sample : ICC2064-50
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 26 07:13:16 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	108517	53.83	ug/kg	92
38) chloroform	8.864	83	309974	50.98	ug/kg	100
40) Tetrahydrofuran	9.194	42	74601	58.51	ug/kg	93
41) 1,1,1-trichloroethane	9.632	97	265448	58.90	ug/kg	98
43) Cyclohexane	9.915	56	333152	56.41	ug/kg	88
44) carbon tetrachloride	10.002	117	265519	55.67	ug/kg	97
45) 1,1-dichloropropene	9.807	75	234024	53.00	ug/kg	94
46) benzene	10.029	78	723099	52.85	ug/kg	99
47) 1,2-dichloroethane	9.524	62	254764	54.58	ug/kg	98
48) tert-amyl methyl ether	10.150	73	401152	58.02	ug/kg	97
49) heptane	10.507	43	340213	50.34	ug/kg	95
50) trichloroethene	10.656	95	205106	53.69	ug/kg	91
51) 1,2-dichloropropane	10.622	63	208946	50.50	ug/kg	100
52) dibromomethane	10.602	93	112811	53.55	ug/kg	88
53) bromodichloromethane	10.709	83	259618	53.88	ug/kg	100
54) Methylcyclohexane	11.181	83	317029	54.73	ug/kg	95
55) 2-chloroethyl vinyl ether	11.087	63	75397	50.00	ug/kg	98
56) methyl methacrylate	10.804	69	115219	52.11	ug/kg	92
57) 1,4-dioxane	10.804	88	9605	313.83	ug/kg	93
58) cis-1,3-dichloropropene	11.336	75	301803	51.69	ug/kg	96
60) 4-methyl-2-pentanone	11.424	43	246095	55.68	ug/kg	99
61) toluene	12.117	92	481567	48.85	ug/kg	97
62) trans-1,3-dichloropropene	11.754	75	255077	52.08	ug/kg	92
63) 1,1,2-trichloroethane	11.929	83	141095	54.23	ug/kg	95
64) ethyl methacrylate	12.124	69	223845	46.13	ug/kg	87
66) tetrachloroethene	12.858	166	205788	53.20	ug/kg	96
67) 1,3-dichloropropane	12.165	76	265177	50.19	ug/kg	100
68) dibromochloromethane	12.461	129	242935	52.13	ug/kg	98
69) 1,2-dibromoethane	12.710	107	189201	53.04	ug/kg	97
70) 2-hexanone	12.279	43	175557	53.24	ug/kg	100
71) chlorobenzene	13.539	112	605935	50.72	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.465	131	238588	52.10	ug/kg	97
73) ethylbenzene	13.714	91	909912	48.63	ug/kg	97
74) m,p-xylene	13.896	106	767691	93.06	ug/kg	95
75) o-xylene	14.313	106	399443	47.60	ug/kg	94
76) styrene	14.239	104	613051	49.60	ug/kg	96
77) bromoform	14.071	173	160838	53.13	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.462	53	80997	53.32	ug/kg	96
80) isopropylbenzene	14.677	105	1032199	54.82	ug/kg	95
82) bromobenzene	14.967	156	279206	57.90	ug/kg	86
83) 1,1,2,2-tetrachloroethane	14.320	83	273306	61.01	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	268642	60.11	ug/kg	99
85) n-propylbenzene	15.122	91	1105672	54.40	ug/kg	93
86) 2-chlorotoluene	15.243	91	658379	53.39	ug/kg	91
87) 4-chlorotoluene	15.317	91	647405	53.26	ug/kg	92
88) 1,3,5-trimethylbenzene	15.398	105	845491	52.55	ug/kg	96
89) tert-butylbenzene	15.708	91	466750	51.32	ug/kg	87
90) 1,2,4-trimethylbenzene	15.809	105	829791	52.07	ug/kg	96
91) sec-butylbenzene	15.923	105	1155939	53.28	ug/kg	96
92) 1,3-dichlorobenzene	16.031	146	525993	55.50	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59589.D
Acq On : 25 Sep 2013 11:24 pm
Operator : krystend
Sample : ICC2064-50
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 26 07:13:16 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

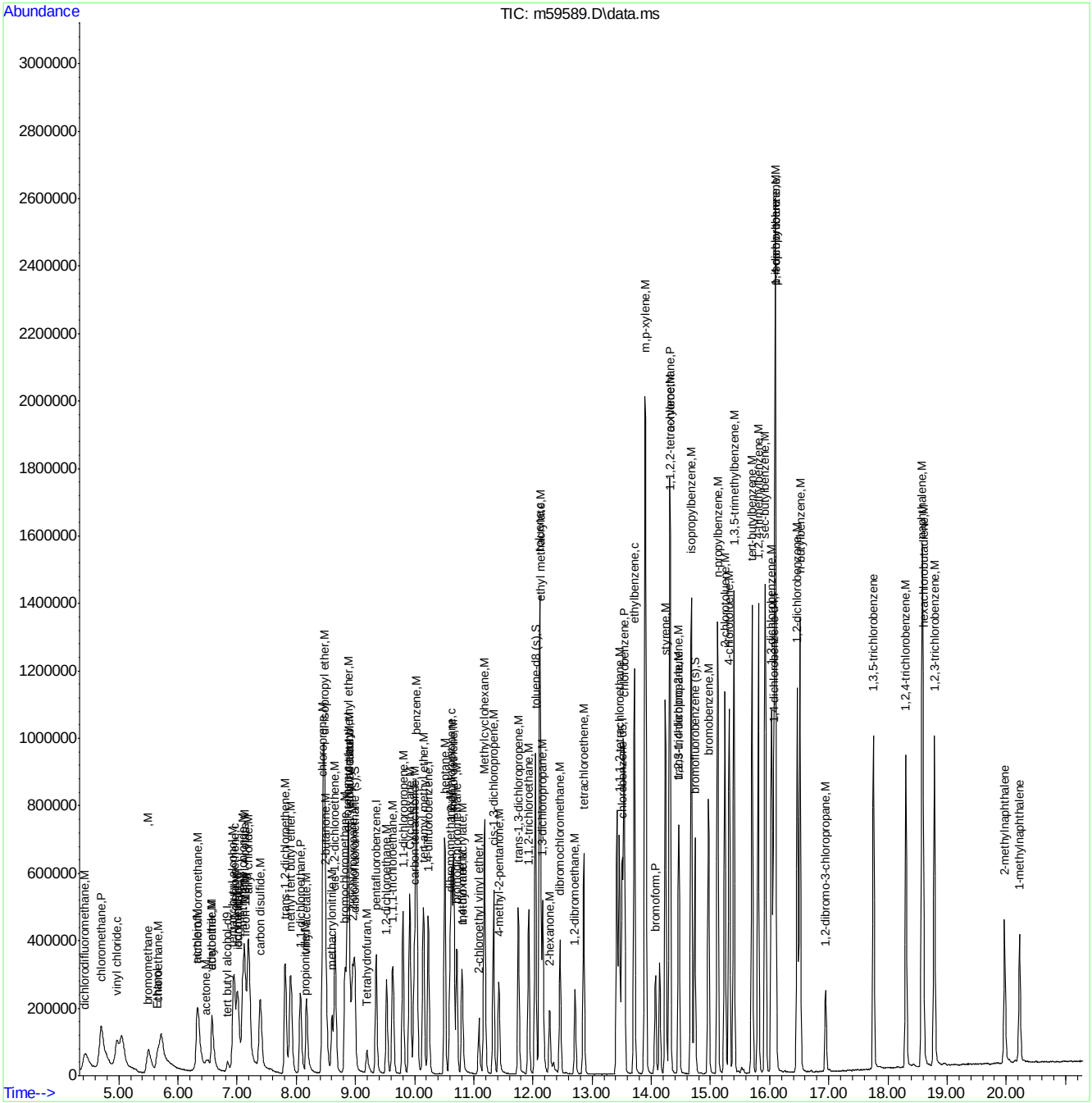
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	913287	50.88	ug/kg	95
94) 1,4-dichlorobenzene	16.099	146	535598	54.91	ug/kg	97
95) 1,2-dichlorobenzene	16.469	146	553700	58.56	ug/kg	98
96) n-butylbenzene	16.516	91	800255	53.76	ug/kg	93
97) 1,2-dibromo-3-chloropr...	16.947	75	54843	66.31	ug/kg	81
98) 1,3,5-trichlorobenzene	17.756	180	349613	59.03	ug/kg	100
99) 1,2,4-trichlorobenzene	18.301	180	352141	63.42	ug/kg	97
100) hexachlorobutadiene	18.598	225	194843	58.13	ug/kg	98
101) naphthalene	18.578	128	1130556	62.73	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	376638	65.83	ug/kg	94
103) 2-methylnaphthalene	19.972	142	278954	31.17	ug/kg	99
104) 1-methylnaphthalene	20.228	TIC	852156	31.62	ug/kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59589.D
Acq On : 25 Sep 2013 11:24 pm
Operator : krystend
Sample : ICC2064-50
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

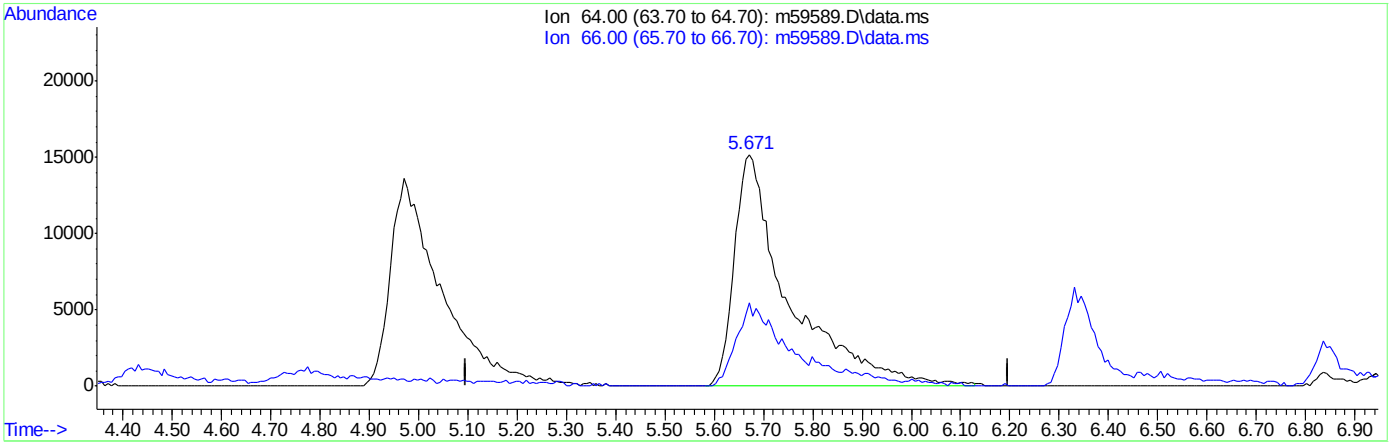
Quant Time: Sep 26 07:13:16 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

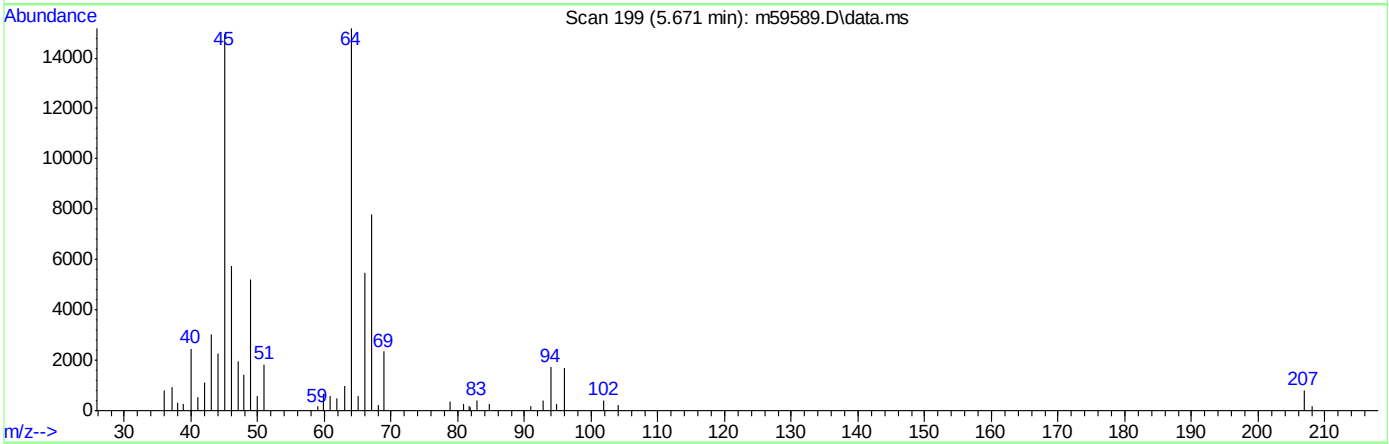


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59589.D
Acq On : 25 Sep 2013 11:24 pm
Operator : krystend
Sample : ICC2064-50
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 26 07:04:34 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59589.D\data.ms

(9) chloroethane (M)

5.671min (-0.007) 59.19ug/kg m

response 116948

Ion	Exp%	Act%
64.00	100	100
66.00	31.60	36.21
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC24774

M59590.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski 09/26/13 08:18

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59590.D
Acq On : 25 Sep 2013 11:53 pm
Operator : krystend
Sample : IC2064-100
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 26 07:14:32 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	113603	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	296826	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	460325	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	203643	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	238098	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	449809	118.93	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	237.86%#		
59) toluene-d8 (s)		12.043	98	1592452	116.52	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	233.04%#		
81) bromofluorobenzene (s)		14.738	95	574852	125.49	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	250.98%#		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.924	59	437833	1304.77	ug/kg	93
3) Ethanol		5.644	45	321007	8424.72	ug/kg	98
5) dichlorodifluoromethane		4.438	85	363877m	94.33	ug/kg	
6) chloromethane		4.701	50	526844	92.10	ug/kg	96
7) vinyl chloride		4.970	62	527894	86.49	ug/kg	98
8) bromomethane	...	5.502	96	244135	91.56	ug/kg	98
9) chloroethane		5.671	64	190286m	93.70	ug/kg	
10) ethyl ether		6.573	59	241816	85.19	ug/kg	99
11) acetonitrile		6.573	41	69517	73.20	ug/kg	93
12) trichlorofluoromethane		6.331	101	493253	91.06	ug/kg	98
13) freon-113		7.146	101	254393	98.32	ug/kg	87
14) acrolein		6.317	56	288744	406.92	ug/kg	100
15) 1,1-dichloroethene		6.944	96	273220	88.82	ug/kg	99
16) acetone		6.465	58	31433	95.72	ug/kg#	70
17) Methyl Acetate		7.119	43	473164	84.57	ug/kg	95
18) methylene chloride		7.099	84	309291	87.26	ug/kg	91
19) methyl tert butyl ether		7.907	73	646157	88.26	ug/kg	91
20) acrylonitrile		6.998	53	134501	85.58	ug/kg	90
21) allyl chloride		7.193	41	564984	83.24	ug/kg	92
22) trans-1,2-dichloroethene		7.813	96	305795	87.93	ug/kg	98
23) iodomethane		7.004	142	596026	88.38	ug/kg	96
24) carbon disulfide		7.388	76	891806	90.00	ug/kg	100
25) propionitrile		8.089	54	49058	89.09	ug/kg	100
26) vinyl acetate		8.170	43	758569	80.70	ug/kg	99
27) chloroprene		8.446	53	511448	79.24	ug/kg	92
28) di-isopropyl ether		8.480	45	1251427	77.02	ug/kg	94
29) methacrylonitrile		8.601	41	204944	77.95	ug/kg	96
30) 2-butanone		8.500	72	34015	80.84	ug/kg#	10
31) 1,1-dichloroethane		8.069	63	507934	85.63	ug/kg	99
32) tert-butyl ethyl ether		8.884	59	863087	80.98	ug/kg	97
33) isobutyl alcohol		8.891	43	234051	468.90	ug/kg	95
34) 2,2-dichloropropane		8.951	77	310007	90.88	ug/kg	98
35) cis-1,2-dichloroethene		8.655	96	340696	81.03	ug/kg	97
36) ethyl acetate		8.891	43	233988	94.54	ug/kg	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59590.D
Acq On : 25 Sep 2013 11:53 pm
Operator : krystend
Sample : IC2064-100
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 26 07:14:32 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	174891	84.41	ug/kg	93
38) chloroform	8.864	83	503099	80.50	ug/kg	96
40) Tetrahydrofuran	9.194	42	115451	88.10	ug/kg	89
41) 1,1,1-trichloroethane	9.632	97	424918	91.73	ug/kg	99
43) Cyclohexane	9.921	56	540638	89.31	ug/kg	88
44) carbon tetrachloride	10.002	117	431291	88.22	ug/kg	96
45) 1,1-dichloropropene	9.800	75	383332	84.69	ug/kg	95
46) benzene	10.029	78	1185713	84.55	ug/kg	99
47) 1,2-dichloroethane	9.524	62	415506	86.84	ug/kg	98
48) tert-amyl methyl ether	10.150	73	638369	90.07	ug/kg	97
49) heptane	10.507	43	551182	79.56	ug/kg	95
50) trichloroethene	10.655	95	334123	85.33	ug/kg	90
51) 1,2-dichloropropane	10.622	63	344458	81.22	ug/kg	99
52) dibromomethane	10.602	93	181561	84.09	ug/kg	85
53) bromodichloromethane	10.709	83	422823	85.61	ug/kg	100
54) Methylcyclohexane	11.181	83	514236	86.61	ug/kg	93
55) 2-chloroethyl vinyl ether	11.087	63	128601	83.21	ug/kg	97
56) methyl methacrylate	10.797	69	191431	84.46	ug/kg	91
57) 1,4-dioxane	10.804	88	14926	475.78	ug/kg	85
58) cis-1,3-dichloropropene	11.336	75	492316	82.26	ug/kg	94
60) 4-methyl-2-pentanone	11.423	43	390373	86.16	ug/kg	99
61) toluene	12.111	92	793575	78.53	ug/kg	97
62) trans-1,3-dichloropropene	11.754	75	414037	82.47	ug/kg	91
63) 1,1,2-trichloroethane	11.929	83	229666	86.11	ug/kg	94
64) ethyl methacrylate	12.124	69	382732	76.95	ug/kg	88
66) tetrachloroethene	12.858	166	336280	82.76	ug/kg	96
67) 1,3-dichloropropane	12.164	76	435721	78.51	ug/kg	99
68) dibromochloromethane	12.461	129	395532	80.80	ug/kg	97
69) 1,2-dibromoethane	12.710	107	305972	81.66	ug/kg	99
70) 2-hexanone	12.279	43	276946	79.95	ug/kg	100
71) chlorobenzene	13.539	112	995011	79.30	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.458	131	386099	80.26	ug/kg	97
73) ethylbenzene	13.714	91	1507417	76.70	ug/kg	97
74) m,p-xylene	13.896	106	1285210	148.31	ug/kg	97
75) o-xylene	14.313	106	665416	75.49	ug/kg	93
76) styrene	14.239	104	1023187	78.81	ug/kg	98
77) bromoform	14.071	173	258470	81.28	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.462	53	125817	78.85	ug/kg	98
80) isopropylbenzene	14.677	105	1723970	88.36	ug/kg	95
82) bromobenzene	14.967	156	459810	92.03	ug/kg	87
83) 1,1,2,2-tetrachloroethane	14.320	83	418409	90.14	ug/kg	98
84) 1,2,3-trichloropropane	14.462	75	427249	92.26	ug/kg	100
85) n-propylbenzene	15.122	91	1862780	88.46	ug/kg	93
86) 2-chlorotoluene	15.243	91	1119442	87.61	ug/kg	93
87) 4-chlorotoluene	15.317	91	1103506	87.62	ug/kg	93
88) 1,3,5-trimethylbenzene	15.398	105	1447137	86.80	ug/kg	96
89) tert-butylbenzene	15.708	91	795171	84.38	ug/kg	87
90) 1,2,4-trimethylbenzene	15.809	105	1425762	86.35	ug/kg	96
91) sec-butylbenzene	15.930	105	1973220	87.77	ug/kg	95
92) 1,3-dichlorobenzene	16.031	146	884962	90.13	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59590.D
Acq On : 25 Sep 2013 11:53 pm
Operator : krystend
Sample : IC2064-100
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 26 07:14:32 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

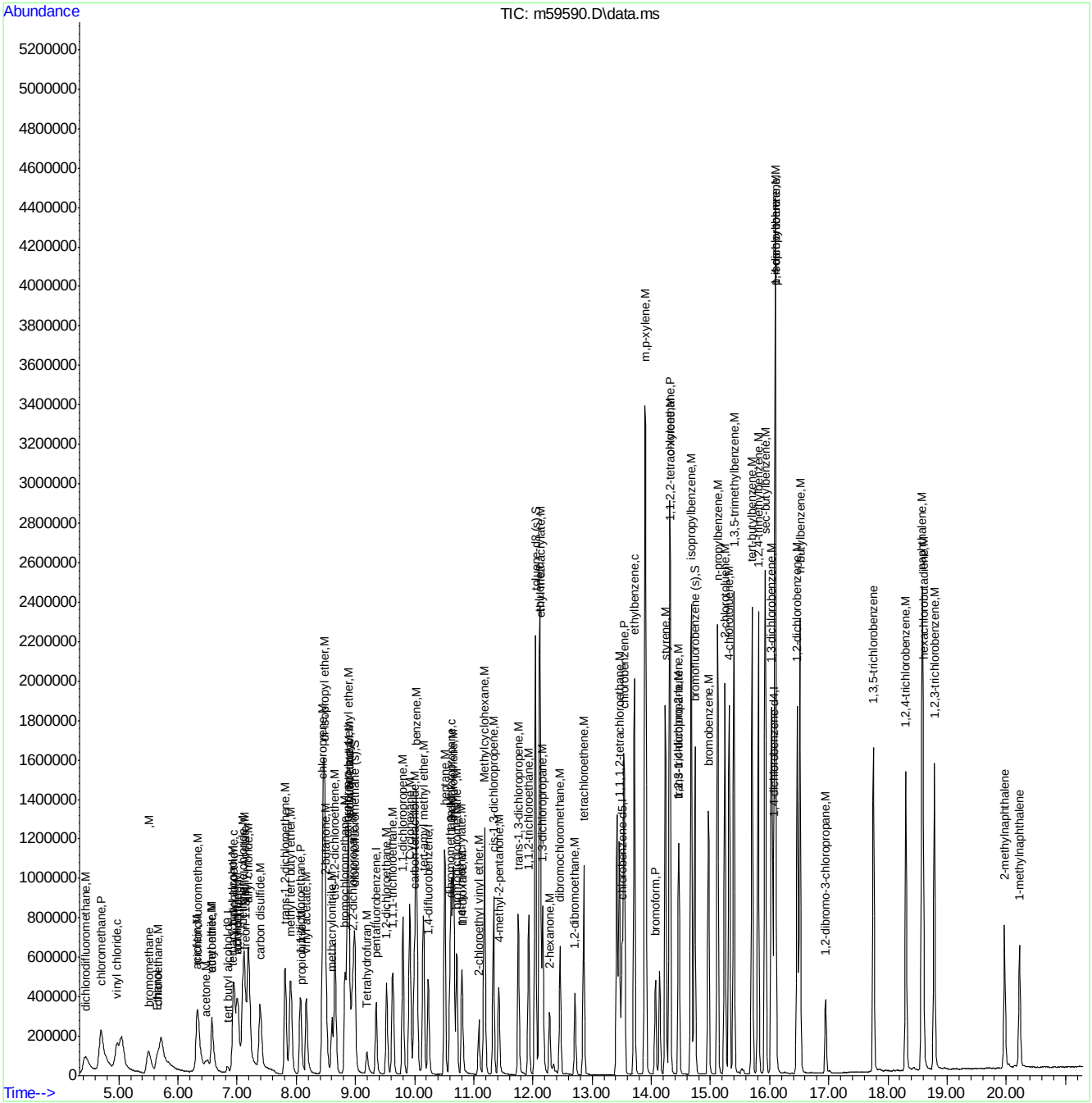
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.098	119	1584545	85.20	ug/kg	97
94) 1,4-dichlorobenzene	16.098	146	898259	88.89	ug/kg	97
95) 1,2-dichlorobenzene	16.469	146	898076	91.67	ug/kg	97
96) n-butylbenzene	16.516	91	1380229	89.48	ug/kg	92
97) 1,2-dibromo-3-chloropr...	16.947	75	83012	96.87	ug/kg#	74
98) 1,3,5-trichlorobenzene	17.756	180	588909	95.97	ug/kg	100
99) 1,2,4-trichlorobenzene	18.301	180	567264	98.60	ug/kg	99
100) hexachlorobutadiene	18.598	225	321539	92.58	ug/kg	98
101) naphthalene	18.577	128	1762738	94.40	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	590888	99.67	ug/kg	97
103) 2-methylnaphthalene	19.972	142	474903	51.22	ug/kg	98
104) 1-methylnaphthalene	20.228	TIC	1463373	52.40	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59590.D
Acq On : 25 Sep 2013 11:53 pm
Operator : krystend
Sample : IC2064-100
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

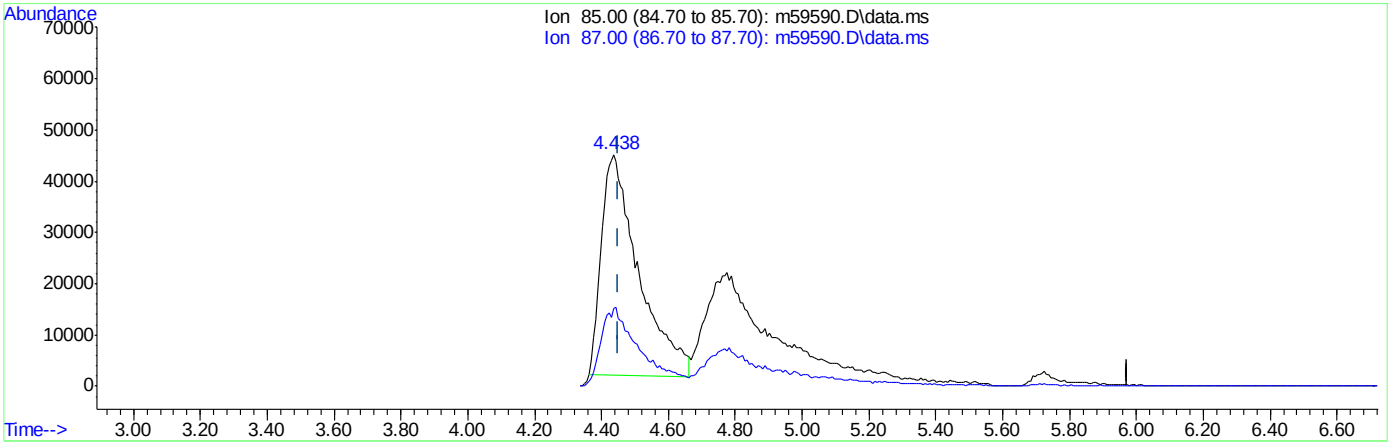
Quant Time: Sep 26 07:14:32 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

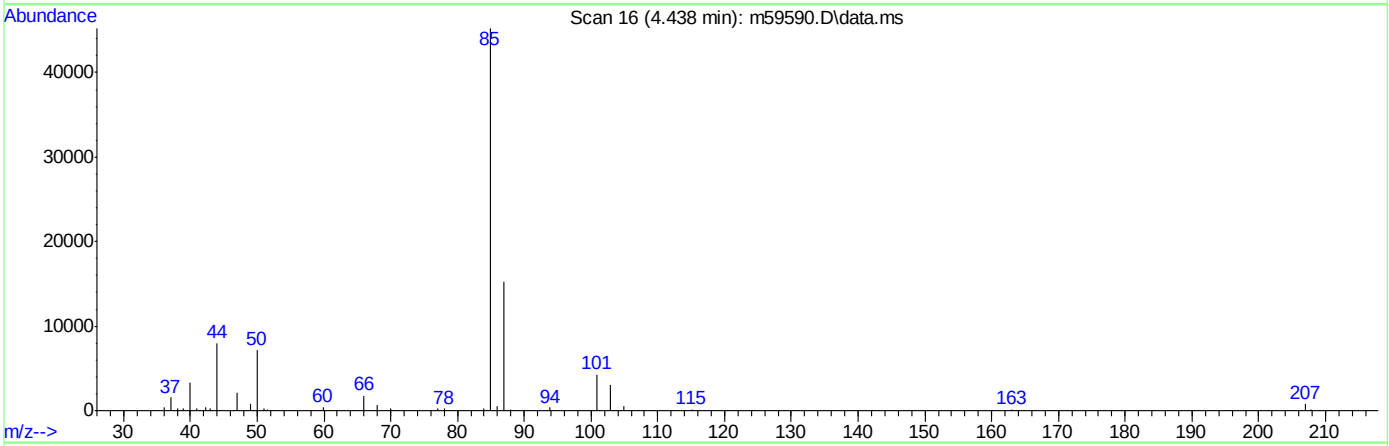


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59590.D
Acq On : 25 Sep 2013 11:53 pm
Operator : krystend
Sample : IC2064-100
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 26 07:04:37 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59590.D\data.ms

(5) dichlorodifluoromethane (M)

4.438min (-0.014) 85.31ug/kg

response 329095

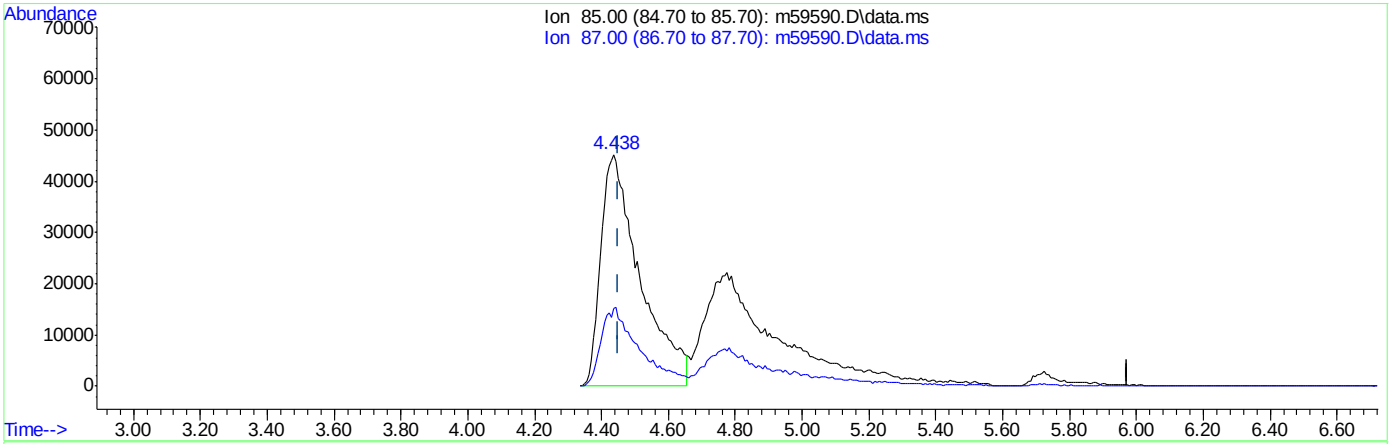
Ion	Exp%	Act%
85.00	100	100
87.00	32.10	33.18
0.00	0.00	0.00
0.00	0.00	0.00

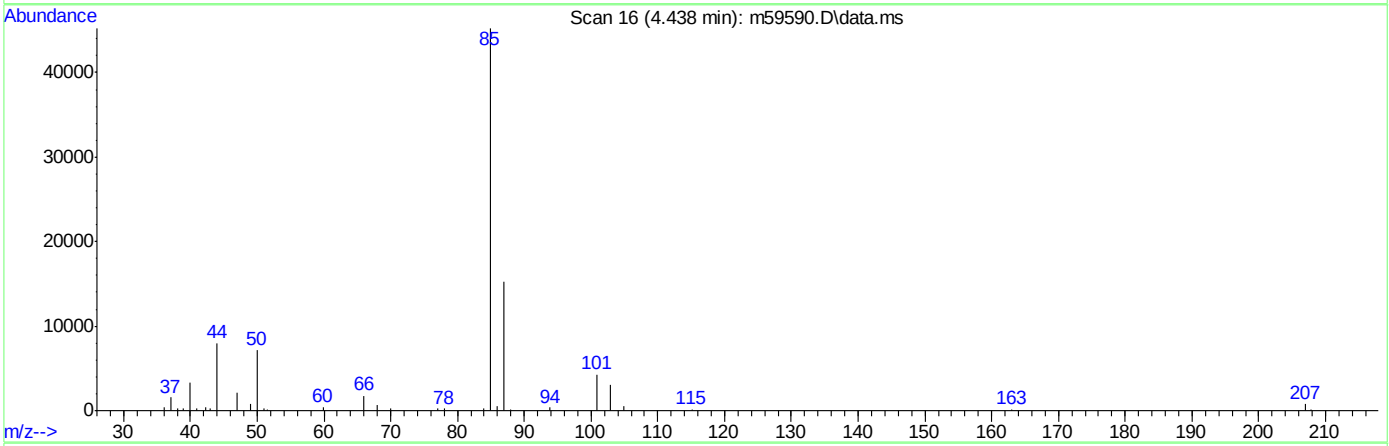
ACCUTEST LABORATORIES MC24774

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59590.D
Acq On : 25 Sep 2013 11:53 pm
Operator : krystend
Sample : IC2064-100
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 26 07:04:37 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59590.D\data.ms

(5) dichlorodifluoromethane (M)

4.438min (-0.014) 94.33ug/kg m

response 363877

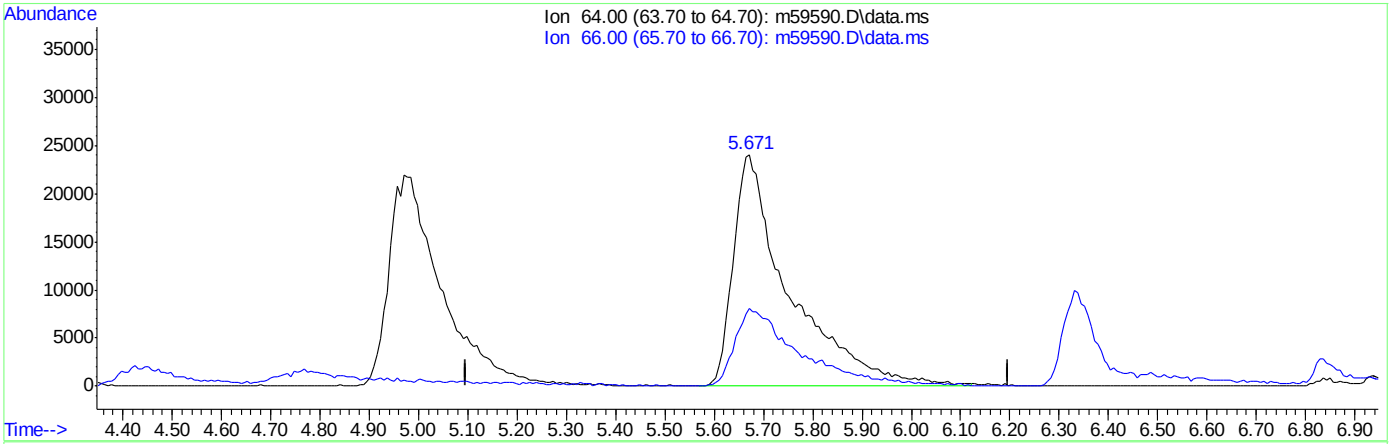
Ion	Exp%	Act%
85.00	100	100
87.00	32.10	33.77
0.00	0.00	0.00
0.00	0.00	0.00

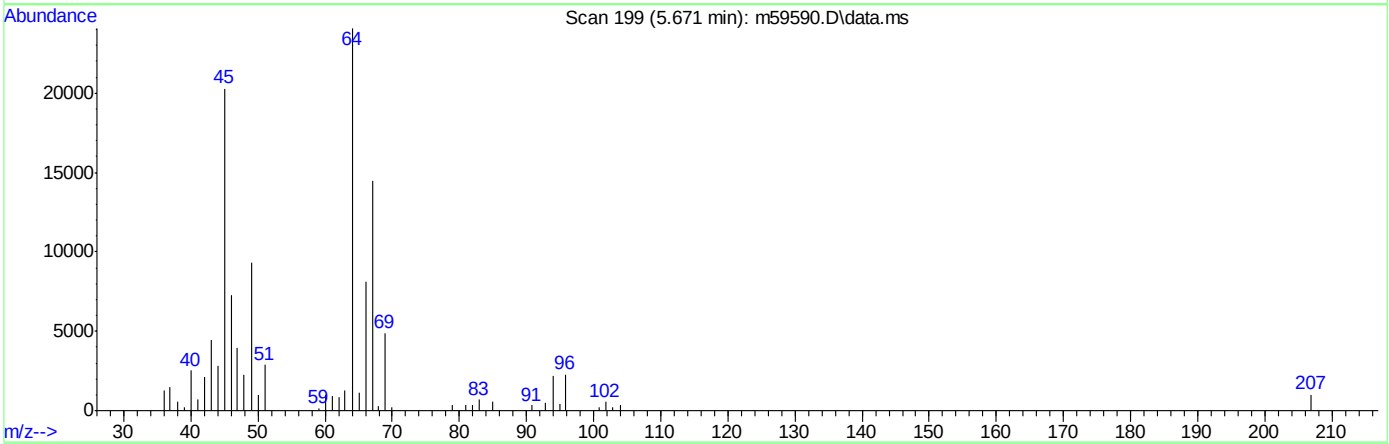
M59590.D edits: dichlorodifluoromethane

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59590.D
Acq On : 25 Sep 2013 11:53 pm
Operator : krystend
Sample : IC2064-100
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 26 07:04:37 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59590.D\data.ms

(9) chloroethane (M)

5.671min (-0.007) 93.70ug/kg m

response 190286

Ion	Exp%	Act%
64.00	100	100
66.00	31.60	33.62
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC24774

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/26/13 08:18

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59591.D
Acq On : 26 Sep 2013 12:23 am
Operator : krystend
Sample : IC2064-200
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 26 07:16:19 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	118071	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	315919	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	489451	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	201223m	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	278549	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	790235	196.31	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 392.62%#			
59) toluene-d8 (s)	12.043	98	2842135	195.58	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 391.16%#			
81) bromofluorobenzene (s)	14.738	95	1076721	200.91	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 401.82%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	731519	2097.48	ug/kg	98
3) Ethanol	5.644	45	812752	20523.21	ug/kg	98
5) dichlorodifluoromethane	4.424	85	810652	197.44	ug/kg	99
6) chloromethane	4.694	50	1335668	219.38	ug/kg	97
7) vinyl chloride	4.970	62	1410736	217.17	ug/kg	97
8) bromomethane ...	5.502	96	628215	221.36	ug/kg	100
9) chloroethane	5.664	64	476793m	220.59	ug/kg	
10) ethyl ether	6.573	59	631656	209.07	ug/kg	97
11) acetonitrile	6.573	41	205707	203.51	ug/kg	95
12) trichlorofluoromethane	6.337	101	1223971	212.31	ug/kg	99
13) freon-113	7.146	101	599148	217.57	ug/kg	86
14) acrolein	6.317	56	760751	1007.32	ug/kg	99
15) 1,1-dichloroethene	6.950	96	702999	214.73	ug/kg	97
16) acetone	6.459	58	75983	217.40	ug/kg	98
17) Methyl Acetate	7.119	43	1221545	205.13	ug/kg	94
18) methylene chloride	7.099	84	786761m	208.56	ug/kg	
19) methyl tert butyl ether	7.900	73	1650586	211.84	ug/kg	91
20) acrylonitrile	6.991	53	345604	206.61	ug/kg	92
21) allyl chloride	7.193	41	1523716	210.91	ug/kg	90
22) trans-1,2-dichloroethene	7.813	96	778832	210.41	ug/kg	95
23) iodomethane	7.004	142	1540908	214.67	ug/kg	97
24) carbon disulfide	7.388	76	2287076	216.85	ug/kg	99
25) propionitrile	8.075	54	122141	208.40	ug/kg	100
26) vinyl acetate	8.163	43	2015729	201.49	ug/kg	99
27) chloroprene	8.446	53	1401081	203.96	ug/kg	92
28) di-isopropyl ether	8.480	45	3413266	197.37	ug/kg	97
29) methacrylonitrile	8.594	41	563169	201.24	ug/kg	92
30) 2-butanone	8.486	72	90217	201.44	ug/kg#	1
31) 1,1-dichloroethane	8.069	63	1339326	212.15	ug/kg	98
32) tert-butyl ethyl ether	8.884	59	2314804	204.07	ug/kg	97
33) isobutyl alcohol	8.890	43	562177	1058.21	ug/kg	99
34) 2,2-dichloropropane	8.951	77	791269	217.93	ug/kg	99
35) cis-1,2-dichloroethene	8.655	96	918508	205.25	ug/kg	97
36) ethyl acetate	8.890	43	562075	213.38	ug/kg	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59591.D
Acq On : 26 Sep 2013 12:23 am
Operator : krystend
Sample : IC2064-200
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 26 07:16:19 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	455238	206.43	ug/kg	96
38) chloroform	8.864	83	1347913	202.64	ug/kg	93
40) Tetrahydrofuran	9.194	42	290471	208.25	ug/kg	92
41) 1,1,1-trichloroethane	9.631	97	1081085	219.28	ug/kg	98
43) Cyclohexane	9.921	56	1406489	218.52	ug/kg	88
44) carbon tetrachloride	10.002	117	1120341	215.53	ug/kg	99
45) 1,1-dichloropropene	9.800	75	1023819	212.73	ug/kg	96
46) benzene	10.029	78	3153890	211.52	ug/kg	100
47) 1,2-dichloroethane	9.524	62	1082208	212.71	ug/kg	99
48) tert-amyl methyl ether	10.150	73	1644271	218.19	ug/kg	95
49) heptane	10.507	43	1538488	208.86	ug/kg	94
50) trichloroethene	10.655	95	892183	214.28	ug/kg	90
51) 1,2-dichloropropane	10.622	63	919484	203.91	ug/kg	100
52) dibromomethane	10.602	93	478124	208.25	ug/kg	87
53) bromodichloromethane	10.709	83	1106381	210.68	ug/kg	100
54) Methylcyclohexane	11.181	83	1372135	217.35	ug/kg	93
55) 2-chloroethyl vinyl ether	11.080	63	344168	209.43	ug/kg	97
56) methyl methacrylate	10.797	69	502669	208.58	ug/kg	88
57) 1,4-dioxane	10.804	88	36302	1088.31	ug/kg	90
58) cis-1,3-dichloropropene	11.336	75	1316134	206.81	ug/kg	94
60) 4-methyl-2-pentanone	11.417	43	1000903	207.77	ug/kg	99
61) toluene	12.117	92	2216503	206.29	ug/kg	97
62) trans-1,3-dichloropropene	11.753	75	1111448	208.21	ug/kg	90
63) 1,1,2-trichloroethane	11.929	83	597879	210.83	ug/kg	95
64) ethyl methacrylate	12.124	69	1072358	202.77	ug/kg	87
66) tetrachloroethene	12.858	166	881032	219.42	ug/kg	98
67) 1,3-dichloropropane	12.164	76	1192622	217.47	ug/kg	100
68) dibromochloromethane	12.461	129	1034593	213.89	ug/kg	97
69) 1,2-dibromoethane	12.710	107	808858	218.48	ug/kg	100
70) 2-hexanone	12.279	43	724426	211.66	ug/kg	99
71) chlorobenzene	13.539	112	2673997	215.67	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.464	131	1045185	219.88	ug/kg	97
73) ethylbenzene	13.714	91	4128723	212.61	ug/kg	97
74) m,p-xylene	13.896	106	3701133	432.24	ug/kg	98
75) o-xylene	14.313	106	1921292	220.58	ug/kg	95
76) styrene	14.239	104	2785451	217.12	ug/kg	98
77) bromoform	14.071	173	687103	218.67	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.461	53	352836	223.79	ug/kg	90
80) isopropylbenzene	14.677	105	4858337	212.85	ug/kg	96
82) bromobenzene	14.967	156	1252117	214.20	ug/kg	90
83) 1,1,2,2-tetrachloroethane	14.320	83	1170335	215.52	ug/kg	98
84) 1,2,3-trichloropropane	14.461	75	1163041	214.68	ug/kg	99
85) n-propylbenzene	15.122	91	5300080	215.14	ug/kg	94
86) 2-chlorotoluene	15.243	91	3201622	214.18	ug/kg	94
87) 4-chlorotoluene	15.317	91	3119552	211.74	ug/kg	95
88) 1,3,5-trimethylbenzene	15.398	105	4191956	214.93	ug/kg	97
89) tert-butylbenzene	15.708	91	2340422	212.28	ug/kg	90
90) 1,2,4-trimethylbenzene	15.809	105	4171853	215.98	ug/kg	98
91) sec-butylbenzene	15.930	105	5809896	220.91	ug/kg	95
92) 1,3-dichlorobenzene	16.031	146	2456599	213.86	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59591.D
Acq On : 26 Sep 2013 12:23 am
Operator : krystend
Sample : IC2064-200
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 26 07:16:19 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

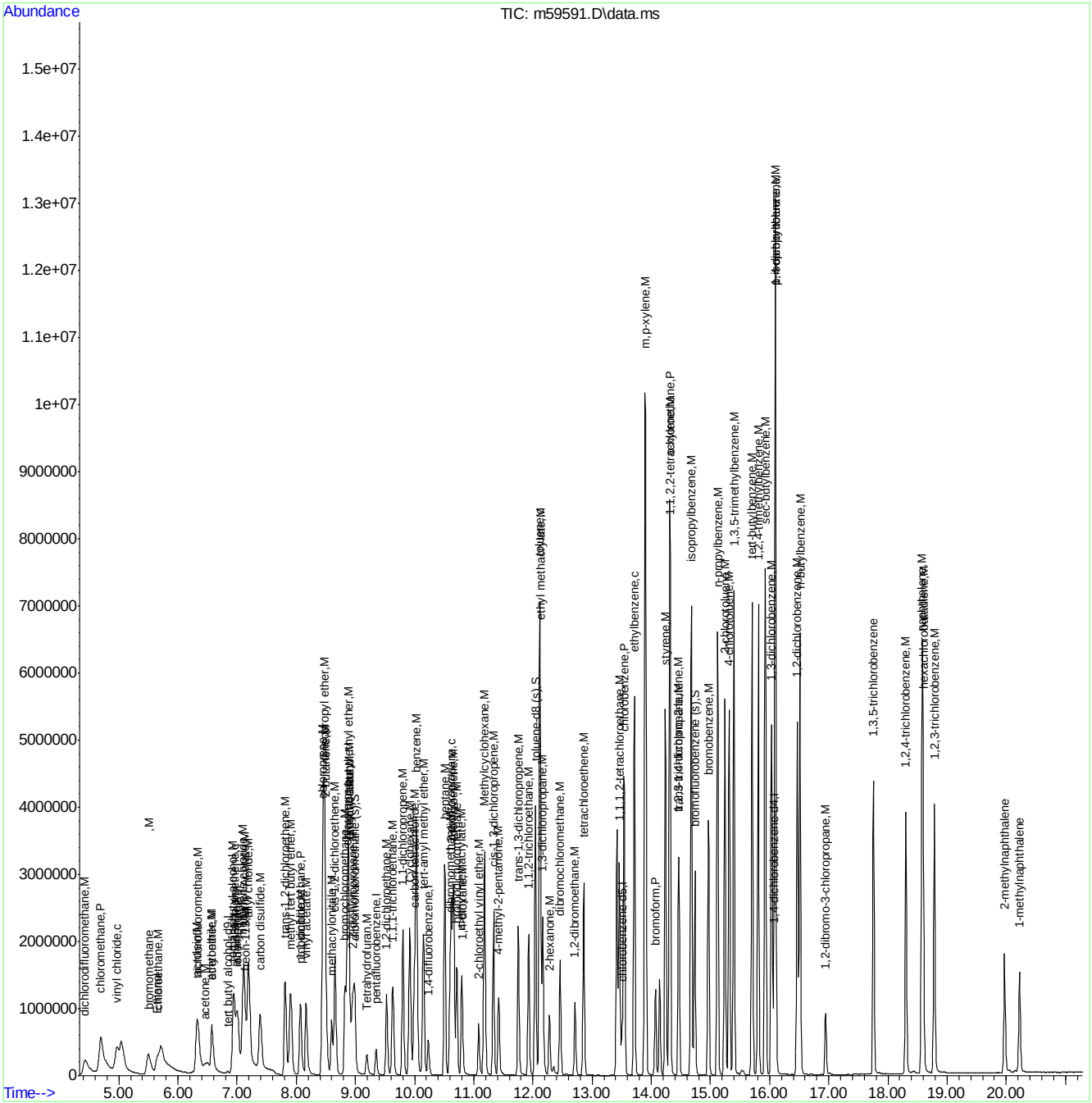
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.098	119	4621805	212.42	ug/kg	97
94)	1,4-dichlorobenzene	16.098	146	2529936	213.99	ug/kg	99
95)	1,2-dichlorobenzene	16.469	146	2441928	213.06	ug/kg	98
96)	n-butylbenzene	16.516	91	3842366	212.93	ug/kg	93
97)	1,2-dibromo-3-chloropr...	16.947	75	216371	215.82	ug/kg	84
98)	1,3,5-trichlorobenzene	17.756	180	1503731	209.47	ug/kg	100
99)	1,2,4-trichlorobenzene	18.301	180	1435489	213.27	ug/kg	100
100)	hexachlorobutadiene	18.598	225	858497	211.28	ug/kg	98
101)	naphthalene	18.577	128	4562268	208.85	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	1497363	215.90	ug/kg	95
103)	2-methylnaphthalene	19.972	142	1139662	105.07	ug/kg	98
104)	1-methylnaphthalene	20.228	TIC	3469830	106.21	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59591.D
Acq On : 26 Sep 2013 12:23 am
Operator : krystend
Sample : IC2064-200
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

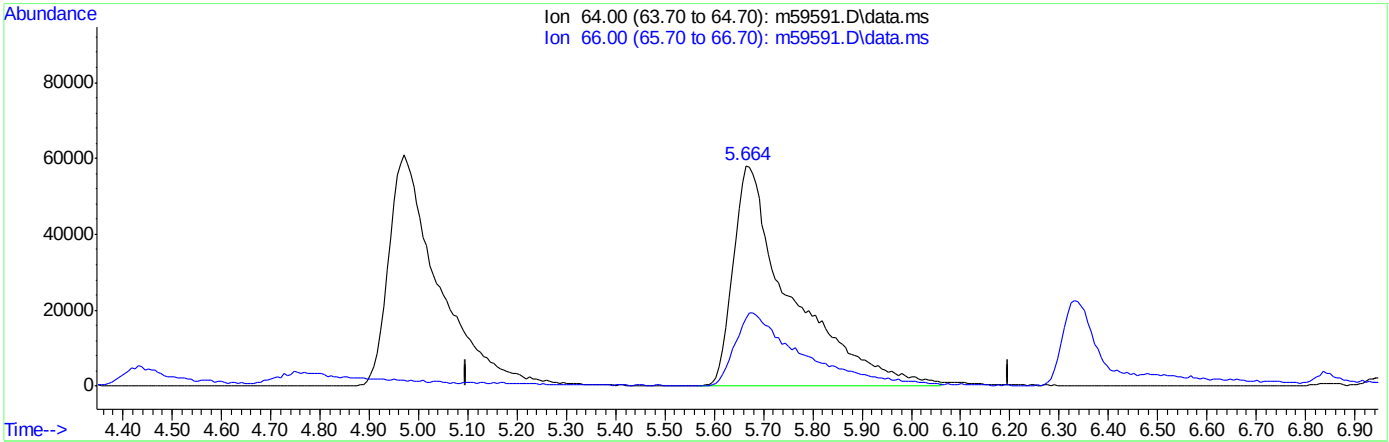
Quant Time: Sep 26 07:16:19 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

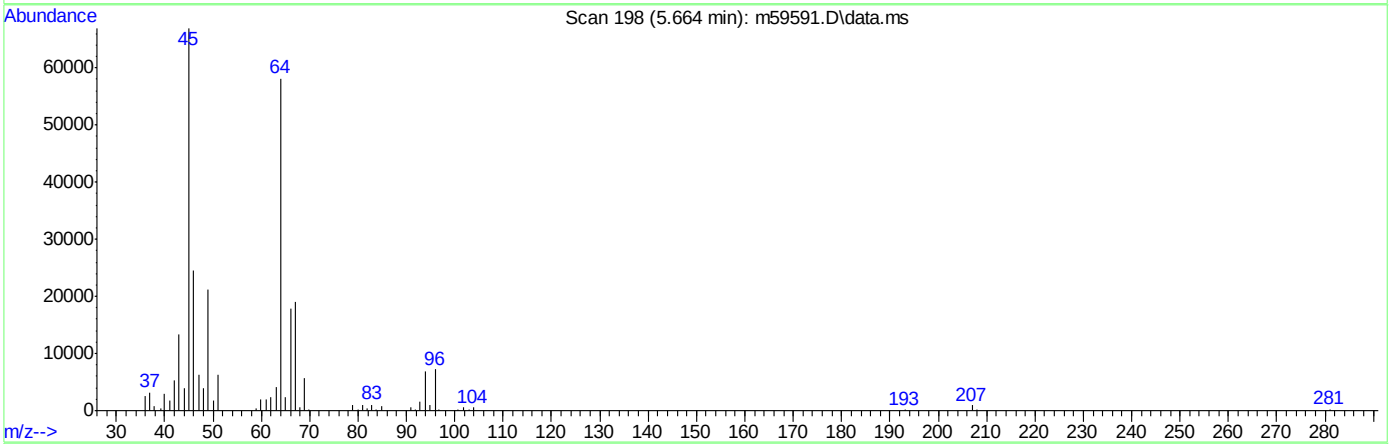


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59591.D
Acq On : 26 Sep 2013 12:23 am
Operator : krystend
Sample : IC2064-200
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 26 07:04:40 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59591.D\data.ms

(9) chloroethane (M)

5.664min (-0.014) 220.59ug/kg m

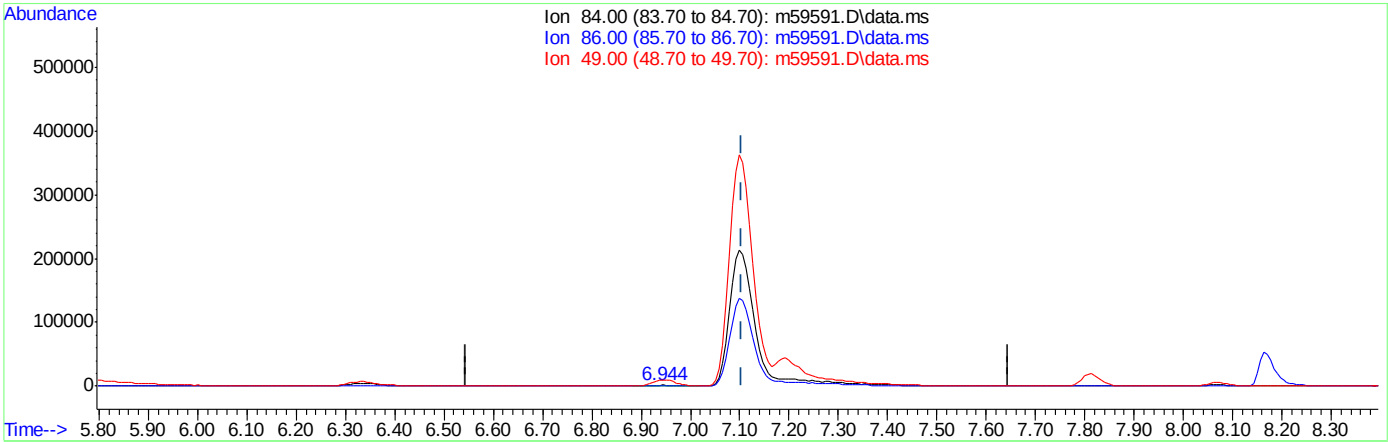
response 476793

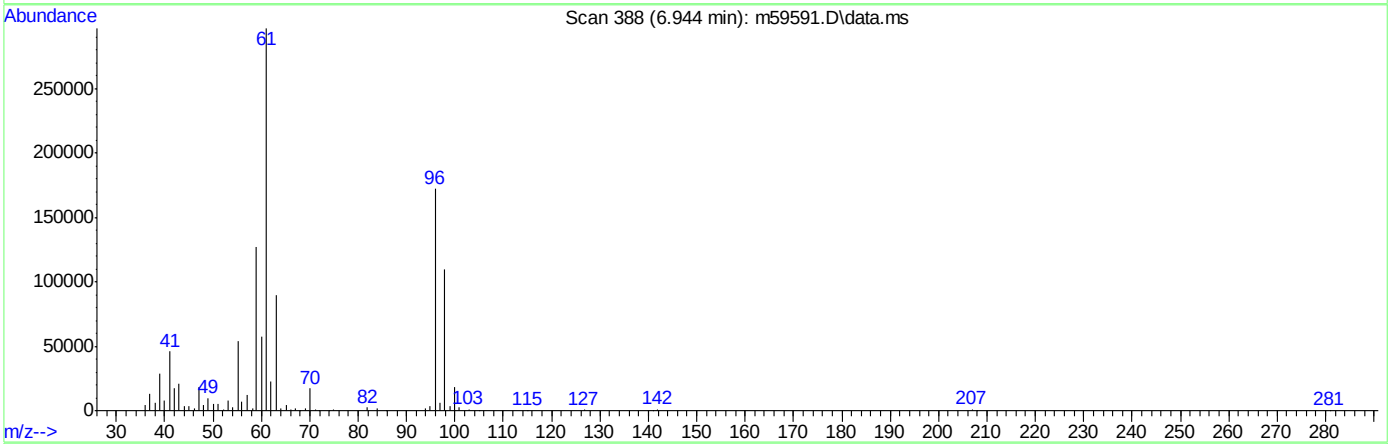
Ion	Exp%	Act%
64.00	100	100
66.00	31.60	30.70
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59591.D
Acq On : 26 Sep 2013 12:23 am
Operator : krystend
Sample : IC2064-200
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 26 07:04:40 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59591.D\data.ms

(18) methylene chloride (M)

6.944min (-0.162) 1.36ug/kg

response 5137

Ion	Exp%	Act%
84.00	100	100
86.00	67.20	13.46#
49.00	155.70	509.28#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59591.D
Acq On : 26 Sep 2013 12:23 am
Operator : krystend
Sample : IC2064-200
Misc : MS30022,MSM2064,5,,,5,1
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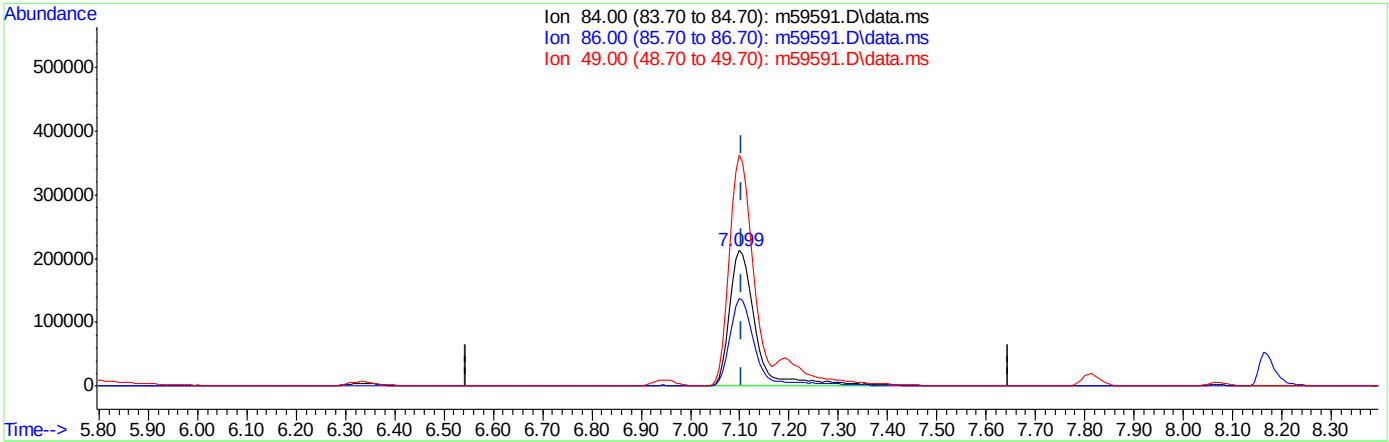
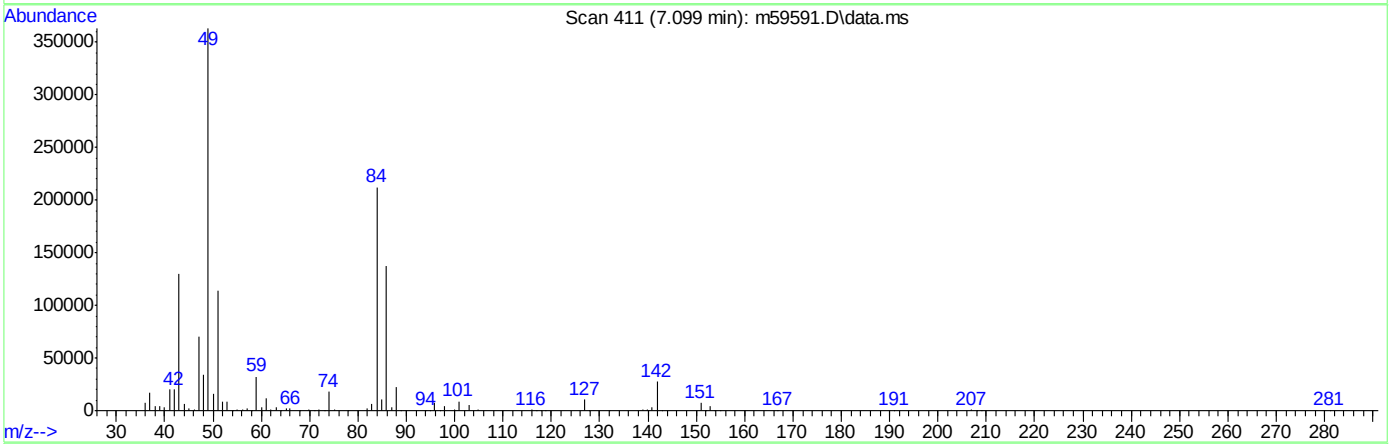
Quant Time: Sep 26 07:04:40 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59591.D\data.ms

(18) methylene chloride (M)

7.099min (-0.007) 208.56ug/kg m

response 786761

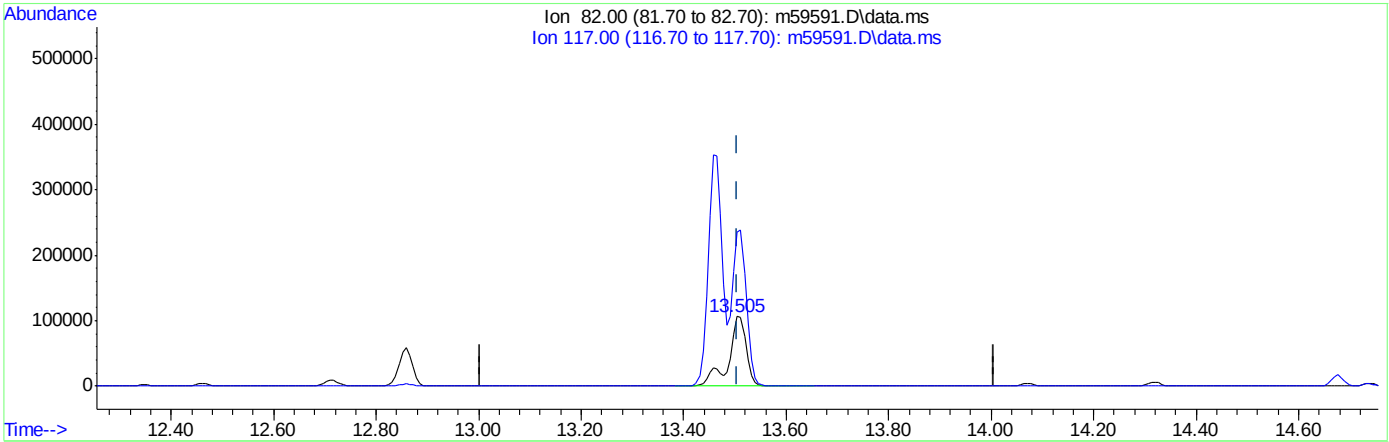
Ion	Exp%	Act%
84.00	100	100
86.00	67.20	64.58
49.00	155.70	170.90
0.00	0.00	0.00

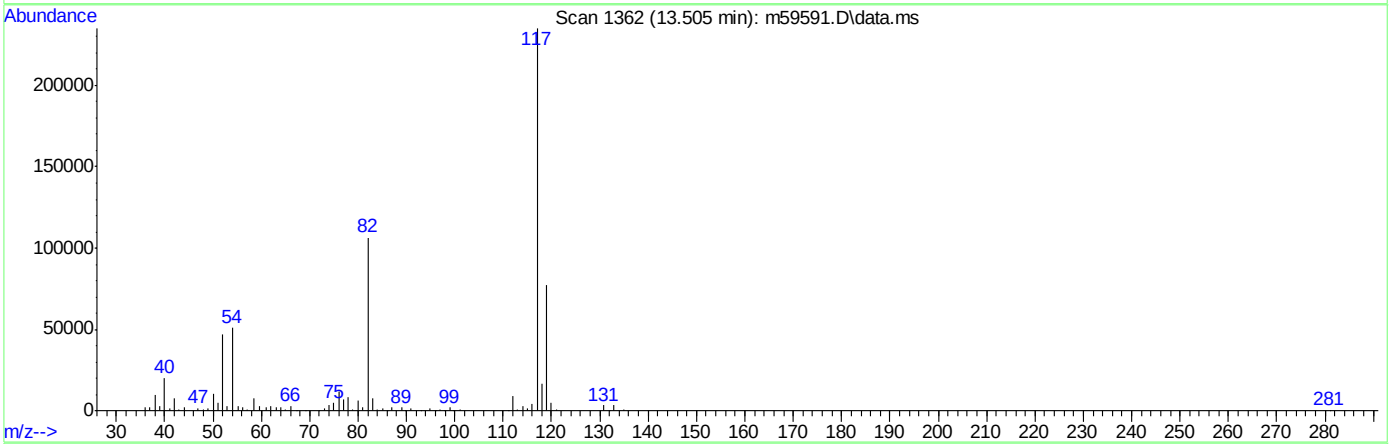
ACCUTEST LABORATORIES MC24774

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59591.D
Acq On : 26 Sep 2013 12:23 am
Operator : krystend
Sample : IC2064-200
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 26 07:04:40 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59591.D\data.ms

(65) chlorobenzene-d5 (I)

13.505min (-0.000) 50.00ug/kg

response 254596

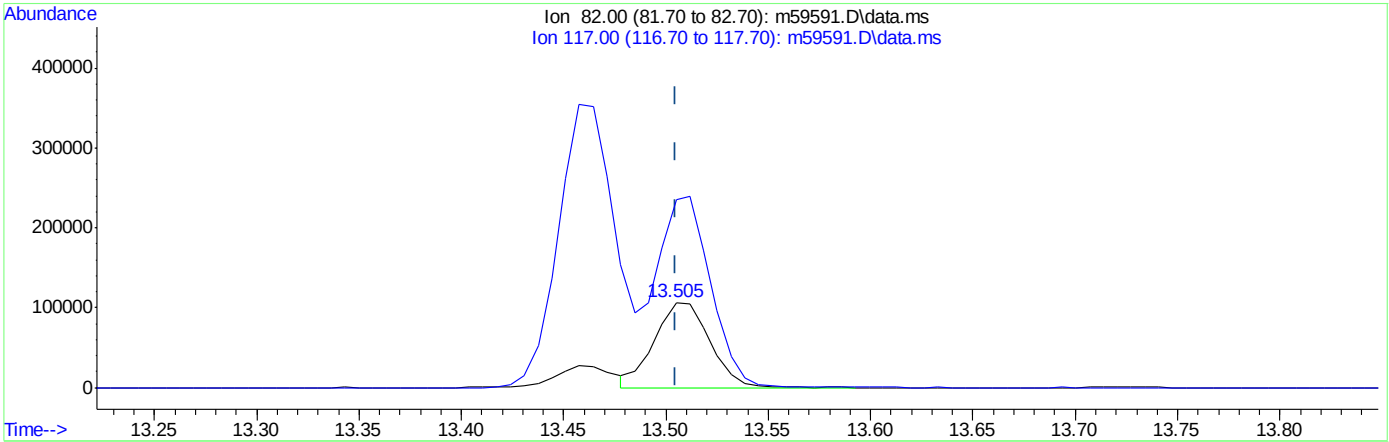
Ion	Exp%	Act%
82.00	100	100
117.00	198.50	220.73
0.00	0.00	0.00
0.00	0.00	0.00

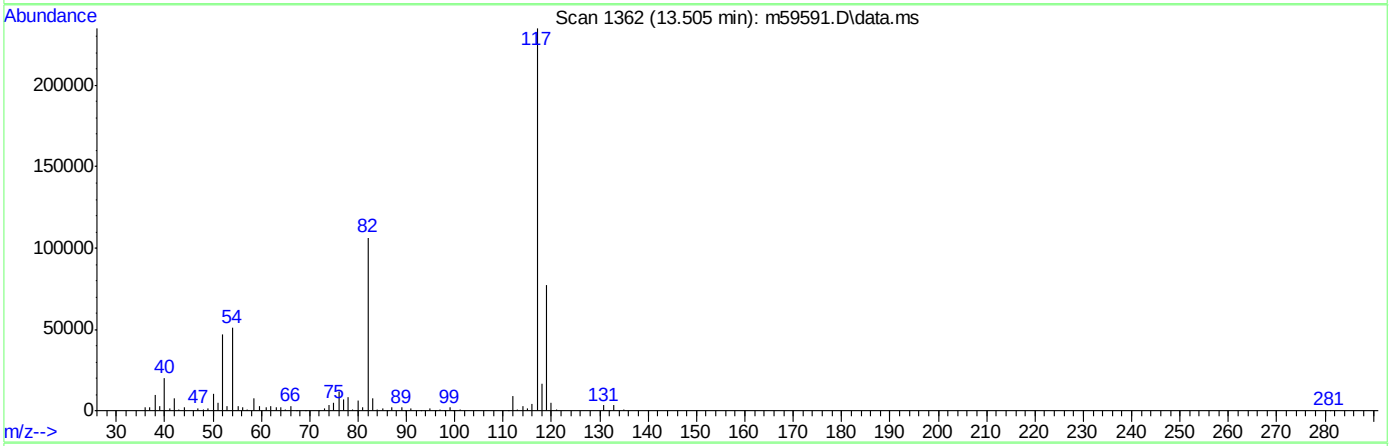
ACCUTEST LABORATORIES MC24774

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59591.D
Acq On : 26 Sep 2013 12:23 am
Operator : krystend
Sample : IC2064-200
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 26 07:04:40 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59591.D\data.ms

(65) chlorobenzene-d5 (I)

13.505min (-0.000) 50.00ug/kg m

response 201223

Ion	Exp%	Act%
82.00	100	100
117.00	198.50	220.73
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC24774

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/26/13 08:18

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 07:17:46 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	135325	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	354448	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	561759	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	238611m	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	322710	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	1987243	440.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	880.00%#		
59) toluene-d8 (s)		12.043	98	7339339	440.05	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	880.10%#		
81) bromofluorobenzene (s)		14.738	95	2731891	440.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	880.00%#		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	1602260	4008.39	ug/kg	98
3) Ethanol		5.651	45	1819357	40083.95	ug/kg	96
5) dichlorodifluoromethane		4.451	85	1734218	376.47	ug/kg	99
6) chloromethane		4.707	50	2732309	400.00	ug/kg	98
7) vinyl chloride		4.984	62	2908002	399.01	ug/kg	98
8) bromomethane	...	5.509	96	1271525m	399.34	ug/kg	
9) chloroethane		5.677	64	974525m	401.87	ug/kg	
10) ethyl ether		6.580	59	1353521	399.29	ug/kg	98
11) acetonitrile		6.573	41	453627	400.00	ug/kg	92
12) trichlorofluoromethane		6.338	101	2558476	395.56	ug/kg	96
13) freon-113		7.153	101	1246730	403.51	ug/kg	89
14) acrolein		6.324	56	1701034	2007.53	ug/kg	99
15) 1,1-dichloroethene		6.951	96	1471745	400.68	ug/kg	97
16) acetone		6.459	58	157286	401.10	ug/kg	91
17) Methyl Acetate		7.119	43	2677033	400.68	ug/kg	93
18) methylene chloride		7.106	84	1686681m	398.52	ug/kg	
19) methyl tert butyl ether		7.907	73	3497503	400.07	ug/kg	90
20) acrylonitrile		6.991	53	750678	400.00	ug/kg	90
21) allyl chloride		7.200	41	3327025	410.47	ug/kg	90
22) trans-1,2-dichloroethene		7.813	96	1661173	400.00	ug/kg	93
23) iodomethane		7.011	142	3222016	400.08	ug/kg	98
24) carbon disulfide		7.395	76	4743539	400.87	ug/kg	99
25) propionitrile		8.069	54	263029	400.00	ug/kg	100
26) vinyl acetate		8.163	43	4489754	400.00	ug/kg	99
27) chloroprene		8.446	53	3082228	399.91	ug/kg	93
28) di-isopropyl ether		8.487	45	7756315	399.76	ug/kg	97
29) methacrylonitrile		8.601	41	1255895	400.00	ug/kg	94
30) 2-butanone		8.487	72	200370	398.76	ug/kg#	1
31) 1,1-dichloroethane		8.076	63	2854505	403.01	ug/kg	98
32) tert-butyl ethyl ether		8.891	59	5090613	400.00	ug/kg	97
33) isobutyl alcohol		8.891	43	1175642	1972.41	ug/kg	97
34) 2,2-dichloropropane		8.958	77	1629267	399.96	ug/kg	98
35) cis-1,2-dichloroethene		8.655	96	2008307	400.00	ug/kg	96
36) ethyl acetate		8.891	43	1170790	396.14	ug/kg	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 07:17:46 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	989683	400.00	ug/kg	96
38) chloroform	8.864	83	2985134	400.00	ug/kg	94
40) Tetrahydrofuran	9.194	42	625960	400.00	ug/kg	95
41) 1,1,1-trichloroethane	9.632	97	2212541	400.00	ug/kg	99
43) Cyclohexane	9.921	56	2955251	400.05	ug/kg	86
44) carbon tetrachloride	10.002	117	2386739	400.05	ug/kg	98
45) 1,1-dichloropropene	9.807	75	2209731	400.05	ug/kg	97
46) benzene	10.029	78	6848581	400.19	ug/kg	100
47) 1,2-dichloroethane	9.524	62	2340477	400.82	ug/kg	99
48) tert-amyl methyl ether	10.150	73	3460187	400.05	ug/kg	95
49) heptane	10.507	43	3382080	400.05	ug/kg	93
50) trichloroethene	10.656	95	1962462	410.67	ug/kg	91
51) 1,2-dichloropropane	10.622	63	2070436	400.05	ug/kg	100
52) dibromomethane	10.602	93	1054151	400.05	ug/kg	90
53) bromodichloromethane	10.716	83	2411175	400.05	ug/kg	99
54) Methylcyclohexane	11.181	83	2898657	400.05	ug/kg	91
55) 2-chloroethyl vinyl ether	11.080	63	756168	400.92	ug/kg	98
56) methyl methacrylate	10.797	69	1106376	400.00	ug/kg	87
57) 1,4-dioxane	10.804	88	76578	2000.25	ug/kg	90
58) cis-1,3-dichloropropene	11.336	75	2921963	400.05	ug/kg	95
60) 4-methyl-2-pentanone	11.424	43	2211889	400.05	ug/kg	99
61) toluene	12.117	92	4933396	400.05	ug/kg	98
62) trans-1,3-dichloropropene	11.754	75	2450967	400.05	ug/kg	91
63) 1,1,2-trichloroethane	11.929	83	1302093	400.05	ug/kg	93
64) ethyl methacrylate	12.124	69	2428201	400.05	ug/kg	88
66) tetrachloroethene	12.858	166	1913274	401.84	ug/kg	98
67) 1,3-dichloropropane	12.165	76	2613191	401.84	ug/kg	99
68) dibromochloromethane	12.461	129	2304903	401.84	ug/kg	98
69) 1,2-dibromoethane	12.710	107	1764158	401.84	ug/kg	99
70) 2-hexanone	12.279	43	1630918	401.84	ug/kg	100
71) chlorobenzene	13.539	112	5908229	401.85	ug/kg	97
72) 1,1,1,2-tetrachloroethane	13.465	131	2265051	401.84	ug/kg	98
73) ethylbenzene	13.714	91	9253601	401.84	ug/kg	97
74) m,p-xylene	13.896	106	8160201	803.68	ug/kg	92
75) o-xylene	14.313	106	4150445	401.84	ug/kg	94
76) styrene	14.239	104	6113163	401.84	ug/kg	99
77) bromoform	14.071	173	1497275	401.84	ug/kg	100
78) trans-1,4-dichloro-2-b...	14.462	53	751267	401.84	ug/kg	95
80) isopropylbenzene	14.677	105	10577596	400.00	ug/kg	95
82) bromobenzene	14.967	156	2708865	400.00	ug/kg	90
83) 1,1,2,2-tetrachloroethane	14.320	83	2516458	400.00	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	2509849	399.89	ug/kg	99
85) n-propylbenzene	15.122	91	11416512	400.00	ug/kg	92
86) 2-chlorotoluene	15.243	91	6927159	400.00	ug/kg	95
87) 4-chlorotoluene	15.317	91	6827600	400.00	ug/kg	95
88) 1,3,5-trimethylbenzene	15.398	105	9038226	400.00	ug/kg	96
89) tert-butylbenzene	15.708	91	5109154	400.00	ug/kg	88
90) 1,2,4-trimethylbenzene	15.809	105	8951254	400.00	ug/kg	97
91) sec-butylbenzene	15.930	105	12188027	400.00	ug/kg	94
92) 1,3-dichlorobenzene	16.038	146	5323231	400.00	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 07:17:46 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

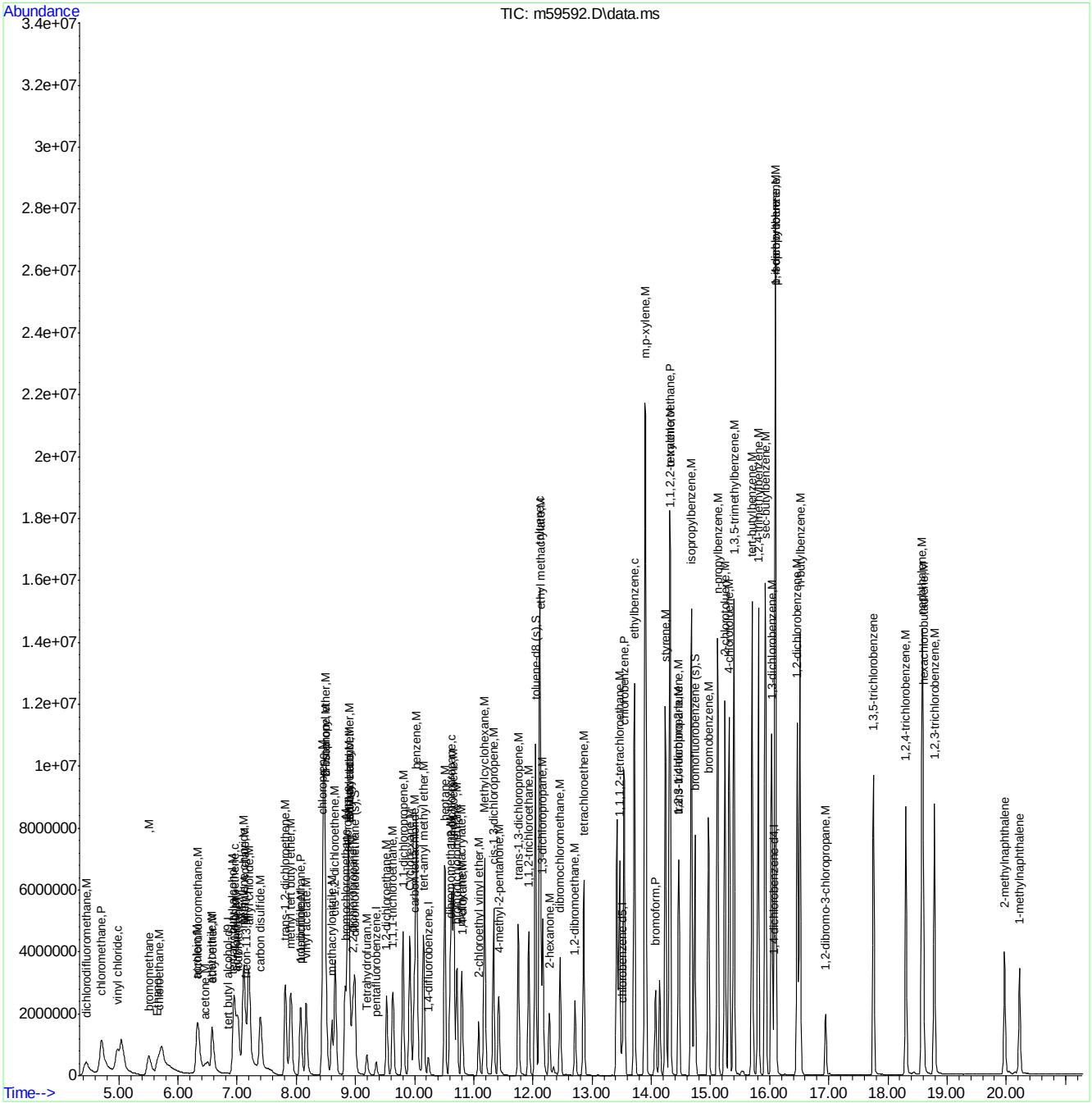
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	10082930	400.00	ug/kg	97
94) 1,4-dichlorobenzene	16.099	146	5478820	400.00	ug/kg	99
95) 1,2-dichlorobenzene	16.469	146	5311301	400.00	ug/kg	99
96) n-butylbenzene	16.516	91	8362399	400.00	ug/kg	92
97) 1,2-dibromo-3-chloropr...	16.947	75	464605	400.00	ug/kg	85
98) 1,3,5-trichlorobenzene	17.756	180	3326688	400.00	ug/kg	100
99) 1,2,4-trichlorobenzene	18.301	180	3118375	399.90	ug/kg	98
100) hexachlorobutadiene	18.598	225	1882963	400.00	ug/kg	99
101) naphthalene	18.578	128	10123110	400.00	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	3214005	400.00	ug/kg	96
103) 2-methylnaphthalene	19.972	142	2513329	200.00	ug/kg	98
104) 1-methylnaphthalene	20.228	TIC	7569814	200.00	ug/kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

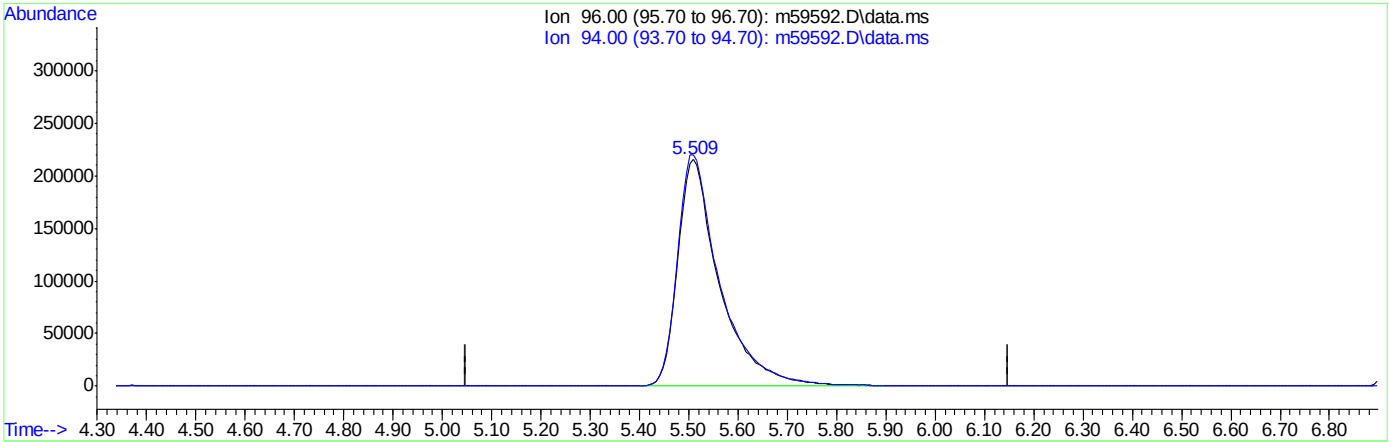
Quant Time: Sep 26 07:17:46 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

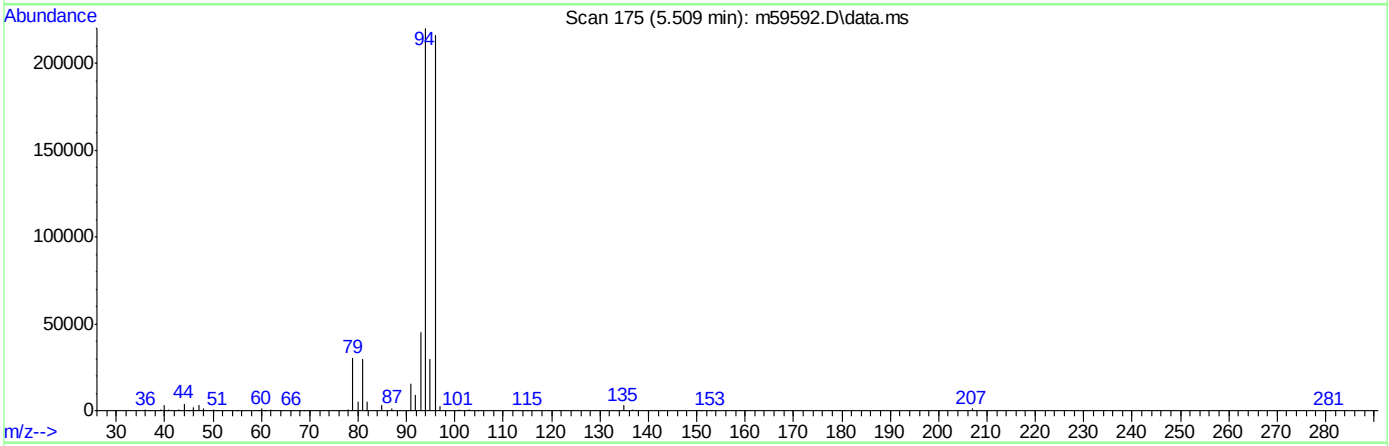


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 07:04:43 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59592.D\data.ms

(8) bromomethane (M)

5.509min (0.000) 399.34ug/kg m

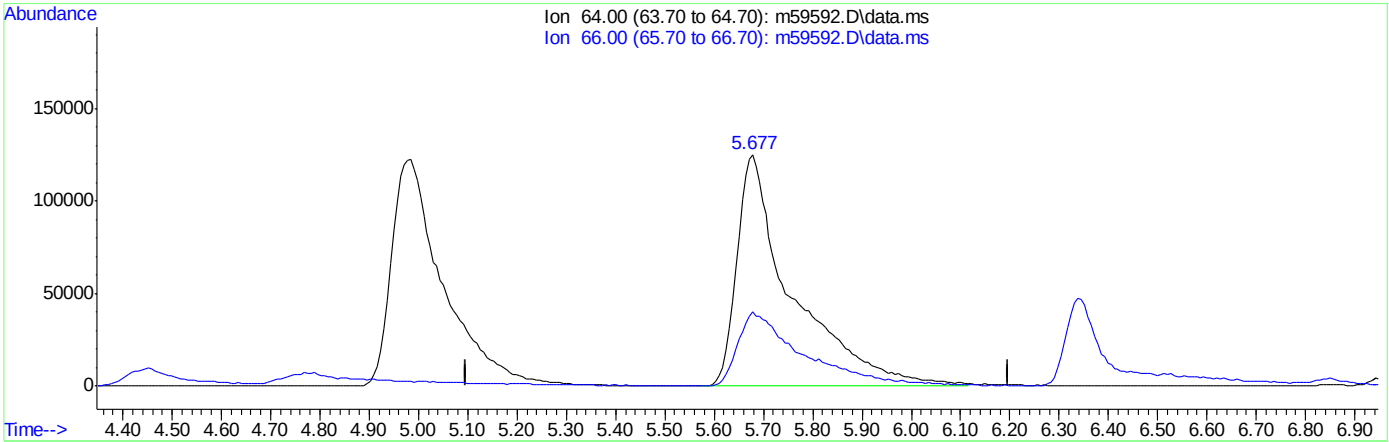
response 1271525

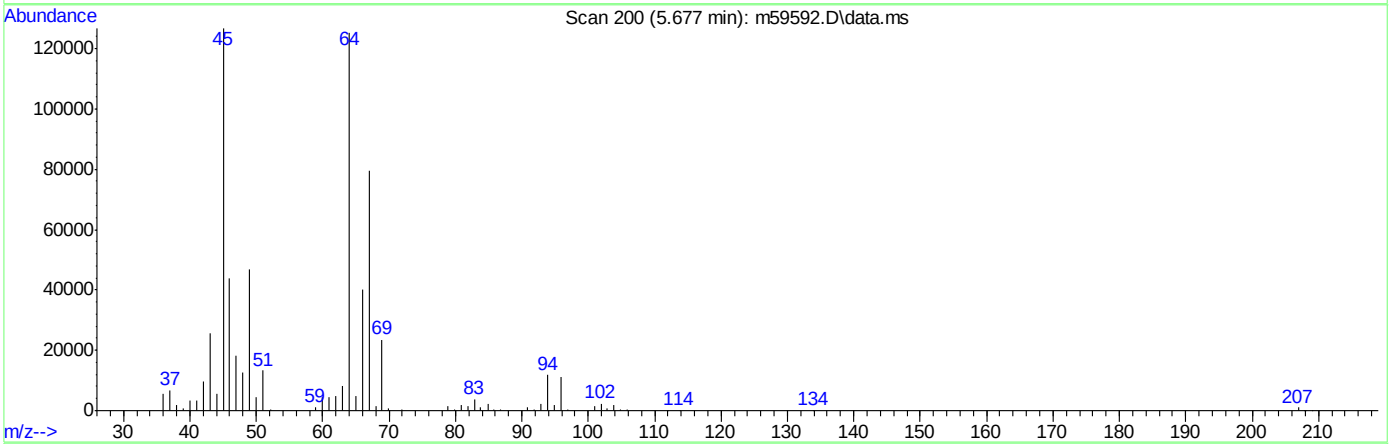
Ion	Exp%	Act%
96.00	100	100
94.00	101.30	101.89
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 07:04:43 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59592.D\data.ms

(9) chloroethane (M)

5.677min (0.000) 401.87ug/kg m

response 974525

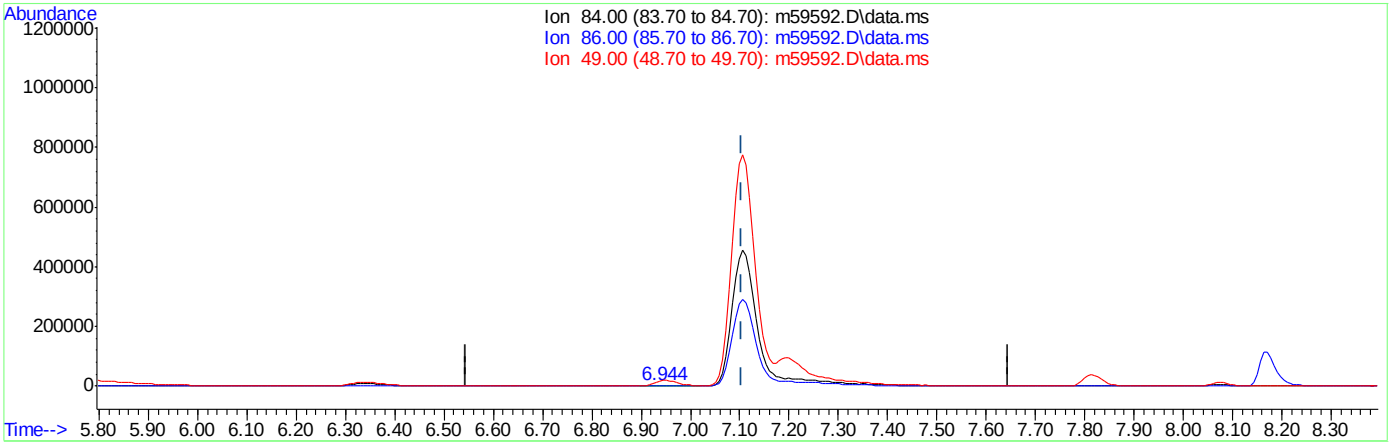
Ion	Exp%	Act%
64.00	100	100
66.00	31.60	32.13
0.00	0.00	0.00
0.00	0.00	0.00

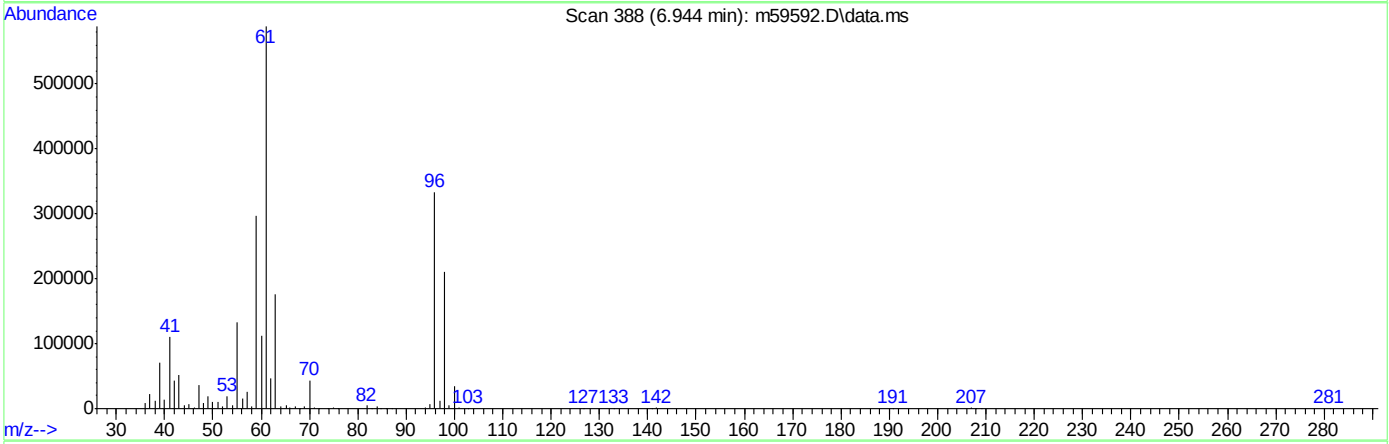
ACCUTEST LABORATORIES MC24774

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 07:04:43 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59592.D\data.ms

(18) methylene chloride (M)

6.944min (-0.162) 2.14ug/kg

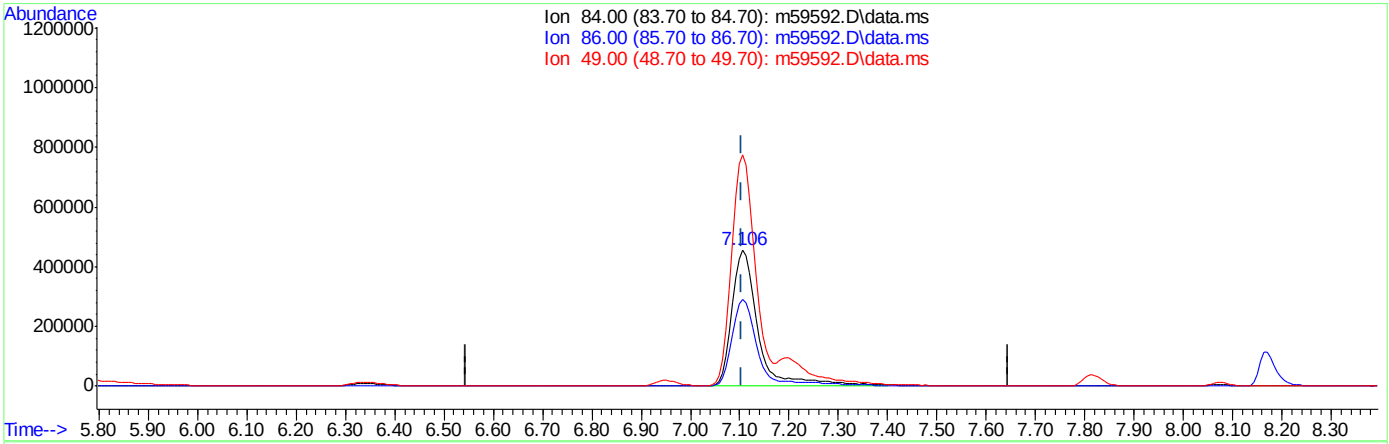
response 9039

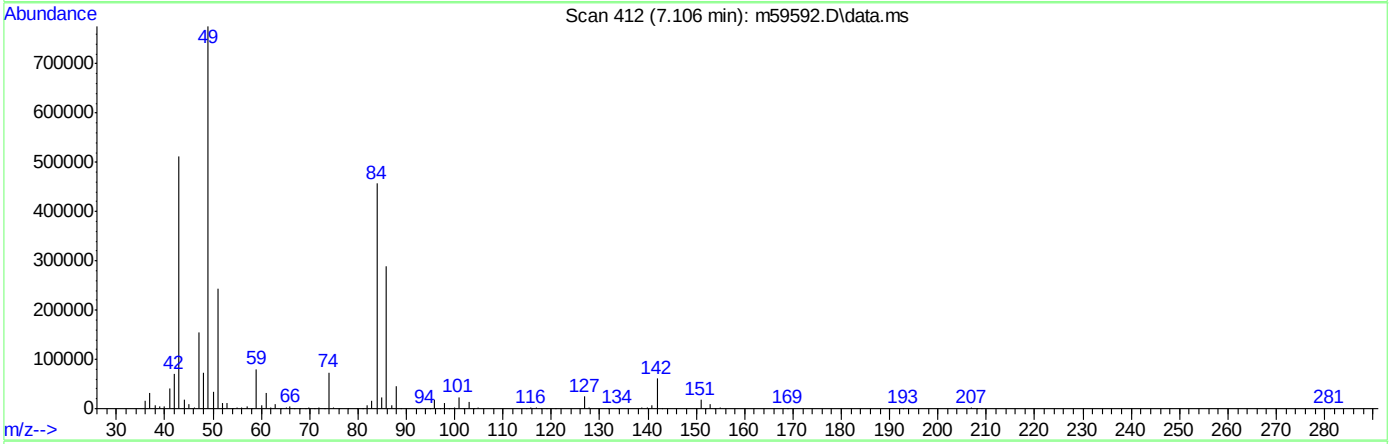
Ion	Exp%	Act%
84.00	100	100
86.00	67.20	16.72#
49.00	155.70	585.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 07:04:43 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59592.D\data.ms

(18) methylene chloride (M)

7.106min (0.000) 398.52ug/kg m

response 1686681

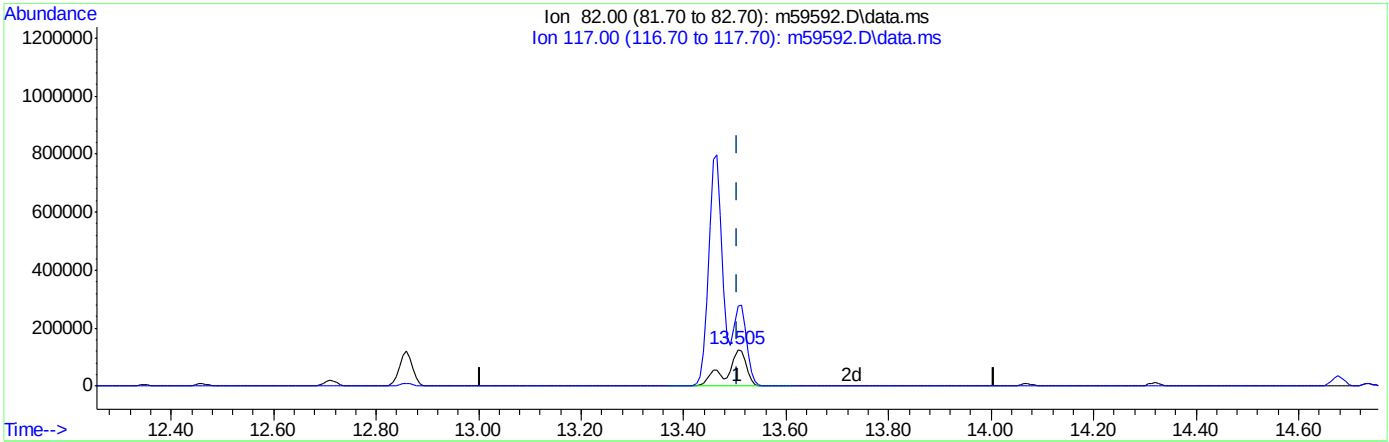
Ion	Exp%	Act%
84.00	100	100
86.00	67.20	63.54
49.00	155.70	169.90
0.00	0.00	0.00

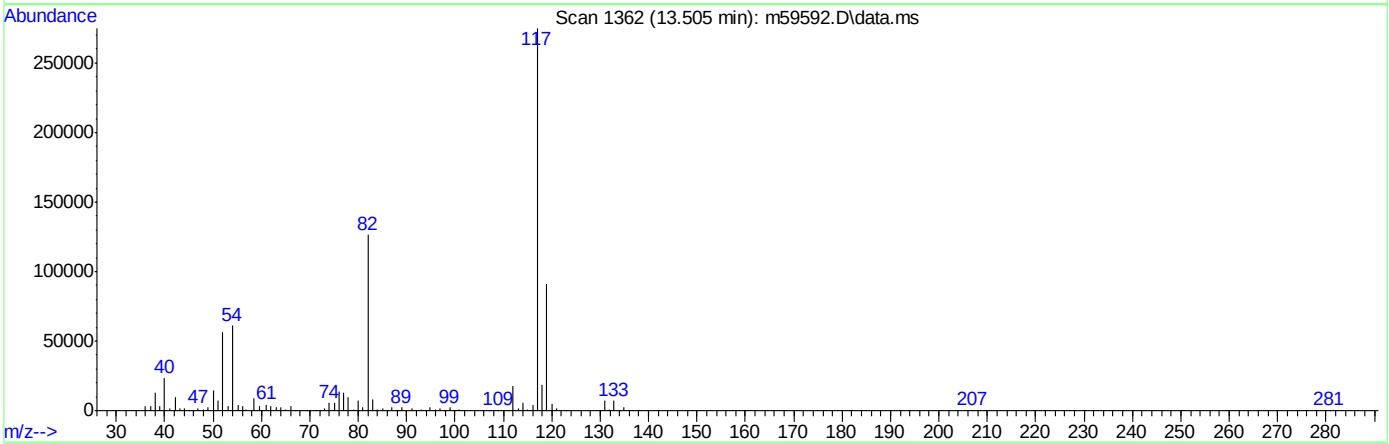
ACCUTEST LABORATORIES MC24774

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 07:04:43 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59592.D\data.ms

(65) chlorobenzene-d5 (I)

13.505min (0.000) 50.00ug/kg

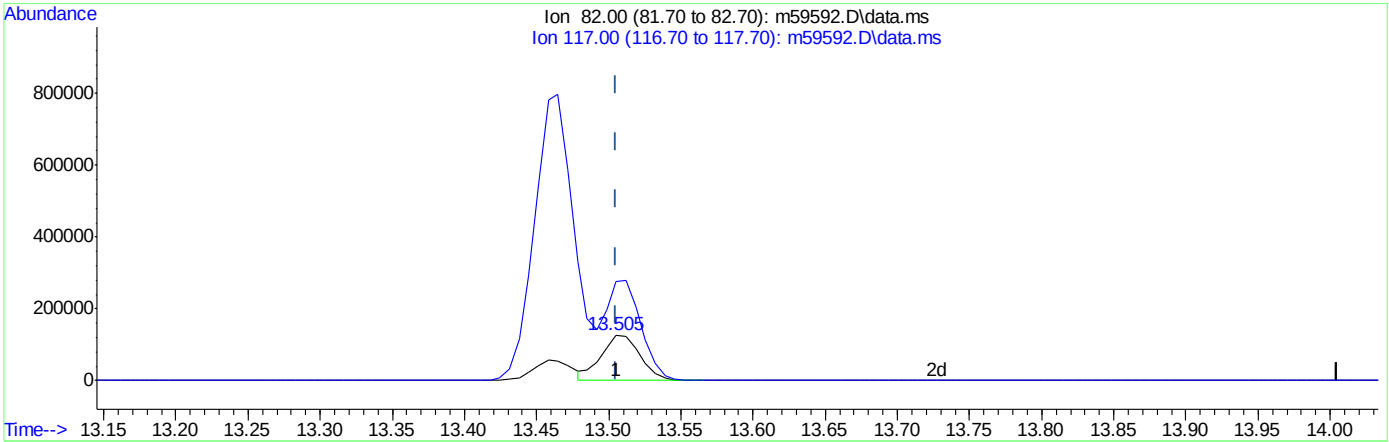
response 343485

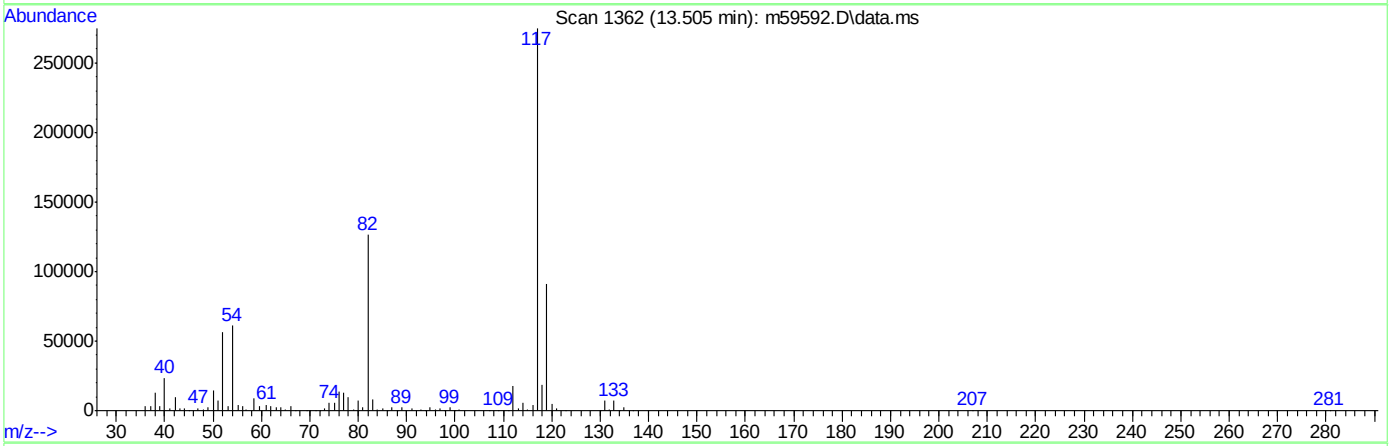
Ion	Exp%	Act%
82.00	100	100
117.00	198.50	217.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 07:04:43 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59592.D\data.ms

(65) chlorobenzene-d5 (I)

13.505min (0.000) 50.00ug/kg m

response 238611

Ion	Exp%	Act%
82.00	100	100
117.00	198.50	217.41
0.00	0.00	0.00
0.00	0.00	0.00

M59592.D edits: chlorobenzene-d5

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/26/13 15:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59596.D
Acq On : 26 Sep 2013 2:49 am
Operator : krystend
Sample : bs
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 15:14:05 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	202399	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	311705	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	474593	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	202362	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	247329	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	164271	44.77	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.54%			
59) toluene-d8 (s)	12.043	98	613345	49.05	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.10%			
81) bromofluorobenzene (s)	14.738	95	193521	42.86	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 85.72%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	258593	359.10	ug/kg	96
3) Ethanol	5.657	45	149727	2360.17	ug/kg	99
5) dichlorodifluoromethane	4.445	85	277534	67.46	ug/kg	100
6) chloromethane	4.701	50	429890	64.10	ug/kg	100
7) vinyl chloride	4.970	62	347858	52.23	ug/kg	99
8) bromomethane ...	5.509	96	179214	55.75	ug/kg	97
9) chloroethane	5.677	64	140171m	61.74	ug/kg	
10) ethyl ether	6.580	59	140124	48.95	ug/kg	100
11) acetonitrile	6.573	41	42645	47.38	ug/kg	90
12) trichlorofluoromethane	6.338	101	349870	60.89	ug/kg	100
13) freon-113	7.153	101	194875	64.26	ug/kg	89
14) acrolein	6.351	56	17379	26.71	ug/kg	95
15) 1,1-dichloroethene	6.951	96	182959m	52.17	ug/kg	
16) acetone	6.493	58	19722	55.43	ug/kg#	72
17) Methyl Acetate	7.159	43	35304	6.58	ug/kg#	1
18) methylene chloride	7.106	84	191145	50.53	ug/kg	92
19) methyl tert butyl ether	7.907	73	361980	46.32	ug/kg	92
20) acrylonitrile	7.011	53	73557	49.83	ug/kg	89
21) allyl chloride	7.200	41	386213	55.78	ug/kg	91
22) trans-1,2-dichloroethene	7.813	96	211896	55.75	ug/kg	98
23) iodomethane	7.011	142	400448	55.77	ug/kg	98
24) carbon disulfide	7.395	76	660294	60.73	ug/kg	99
25) propionitrile	8.103	54	25676	46.51	ug/kg	100
26) vinyl acetate	8.204	43	35831	8.32	ug/kg	92
27) chloroprene	8.446	53	400366	66.10	ug/kg	94
28) di-isopropyl ether	8.487	45	730759	48.51	ug/kg	95
29) methacrylonitrile	8.601	41	117927	50.40	ug/kg	97
30) 2-butanone	8.507	72	19604	50.12	ug/kg#	7
31) 1,1-dichloroethane	8.076	63	374926	59.92	ug/kg	99
32) tert-butyl ethyl ether	8.884	59	495653	47.92	ug/kg	98
33) isobutyl alcohol	8.891	43	145323	265.05	ug/kg	99
34) 2,2-dichloropropane	8.951	77	240934	62.09	ug/kg	99
35) cis-1,2-dichloroethene	8.655	96	216532	49.63	ug/kg	99
36) ethyl acetate	8.891	43	144807	52.93	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59596.D
Acq On : 26 Sep 2013 2:49 am
Operator : krystend
Sample : bs
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 15:14:05 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	109665	51.47	ug/kg	92
38) chloroform	8.864	83	340961	55.25	ug/kg	99
40) Tetrahydrofuran	9.194	42	70047	48.53	ug/kg	88
41) 1,1,1-trichloroethane	9.632	97	332121	63.64	ug/kg	98
43) Cyclohexane	9.921	56	389208	60.36	ug/kg	87
44) carbon tetrachloride	10.002	117	336794	65.29	ug/kg	100
45) 1,1-dichloropropene	9.807	75	272856	59.57	ug/kg	96
46) benzene	10.029	78	784811	53.35	ug/kg	99
47) 1,2-dichloroethane	9.531	62	238005	48.65	ug/kg	100
48) tert-amyl methyl ether	10.150	73	343451	45.38	ug/kg	97
49) heptane	10.507	43	406421	60.50	ug/kg	96
50) trichloroethene	10.656	95	219299	53.72	ug/kg	87
51) 1,2-dichloropropane	10.622	63	202722	49.79	ug/kg	99
52) dibromomethane	10.602	93	111914	51.84	ug/kg	86
53) bromodichloromethane	10.716	83	248845	49.79	ug/kg	100
54) Methylcyclohexane	11.181	83	383479	62.89	ug/kg	96
55) 2-chloroethyl vinyl ether	11.181	63	3551	2.45	ug/kg#	1
56) methyl methacrylate	10.804	69	104691	48.95	ug/kg	92
57) 1,4-dioxane	10.811	88	7932	238.93	ug/kg	99
58) cis-1,3-dichloropropene	11.336	75	265568	46.47	ug/kg	92
60) 4-methyl-2-pentanone	11.424	43	237205	54.37	ug/kg	100
61) toluene	12.117	92	514271	55.35	ug/kg	100
62) trans-1,3-dichloropropene	11.754	75	233083	48.47	ug/kg	92
63) 1,1,2-trichloroethane	11.929	83	125777	47.00	ug/kg	93
64) ethyl methacrylate	12.124	69	207830	46.18	ug/kg	90
66) tetrachloroethene	12.858	166	254193	60.03	ug/kg	96
67) 1,3-dichloropropane	12.165	76	239032	45.46	ug/kg	98
68) dibromochloromethane	12.461	129	220182	46.23	ug/kg	97
69) 1,2-dibromoethane	12.710	107	173314	46.66	ug/kg	98
70) 2-hexanone	12.286	43	169502	52.94	ug/kg	100
71) chlorobenzene	13.539	112	581050	47.77	ug/kg	95
72) 1,1,1,2-tetrachloroethane	13.458	131	227231	47.95	ug/kg	98
73) ethylbenzene	13.714	91	979909	53.44	ug/kg	97
74) m,p-xylene	13.896	106	810302	103.70	ug/kg	97
75) o-xylene	14.314	106	398045	49.38	ug/kg	92
76) styrene	14.239	104	570594	47.78	ug/kg	96
77) bromoform	14.071	173	152421	50.56	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.462	53	69702	46.94	ug/kg	99
80) isopropylbenzene	14.677	105	1092574	54.30	ug/kg	96
82) bromobenzene	14.967	156	259710	48.46	ug/kg	86
83) 1,1,2,2-tetrachloroethane	14.320	83	230009	47.97	ug/kg	98
84) 1,2,3-trichloropropane	14.462	75	239918	49.26	ug/kg	100
85) n-propylbenzene	15.122	91	1147814	53.02	ug/kg	94
86) 2-chlorotoluene	15.243	91	633581	48.30	ug/kg	94
87) 4-chlorotoluene	15.317	91	624004	48.78	ug/kg	91
88) 1,3,5-trimethylbenzene	15.398	105	870787	52.57	ug/kg	94
89) tert-butylbenzene	15.701	91	497197	53.93	ug/kg	91
90) 1,2,4-trimethylbenzene	15.809	105	828168	50.85	ug/kg	96
91) sec-butylbenzene	15.924	105	1235338	54.25	ug/kg	96
92) 1,3-dichlorobenzene	16.031	146	463010	44.65	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59596.D
Acq On : 26 Sep 2013 2:49 am
Operator : krystend
Sample : bs
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 15:14:05 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

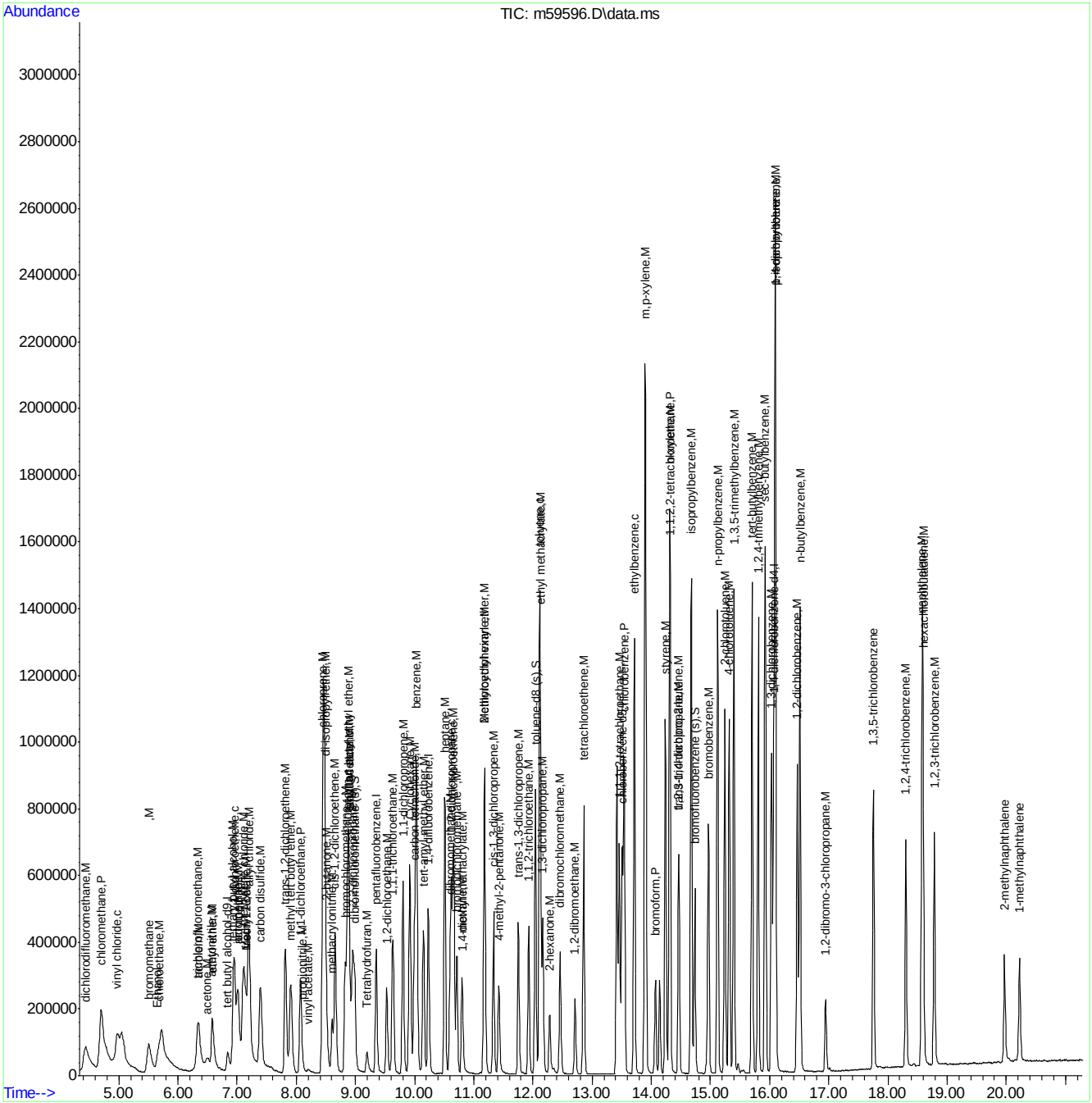
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	1033616	57.09	ug/kg	97
94)	1,4-dichlorobenzene	16.099	146	477721	45.53	ug/kg	97
95)	1,2-dichlorobenzene	16.469	146	450559	43.14	ug/kg	96
96)	n-butylbenzene	16.516	91	858171	55.32	ug/kg	90
97)	1,2-dibromo-3-chloropr...	16.947	75	48074	49.57	ug/kg	78
98)	1,3,5-trichlorobenzene	17.756	180	304645	45.59	ug/kg	99
99)	1,2,4-trichlorobenzene	18.301	180	259587	40.65	ug/kg	99
100)	hexachlorobutadiene	18.598	225	208222	56.27	ug/kg	98
101)	naphthalene	18.578	128	877243	46.40	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	267693	40.73	ug/kg	94
103)	2-methylnaphthalene	19.972	142	219031	22.38	ug/kg	98
104)	1-methylnaphthalene	20.228	TIC	779170	24.35	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59596.D
Acq On : 26 Sep 2013 2:49 am
Operator : krystend
Sample : bs
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 15:14:05 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

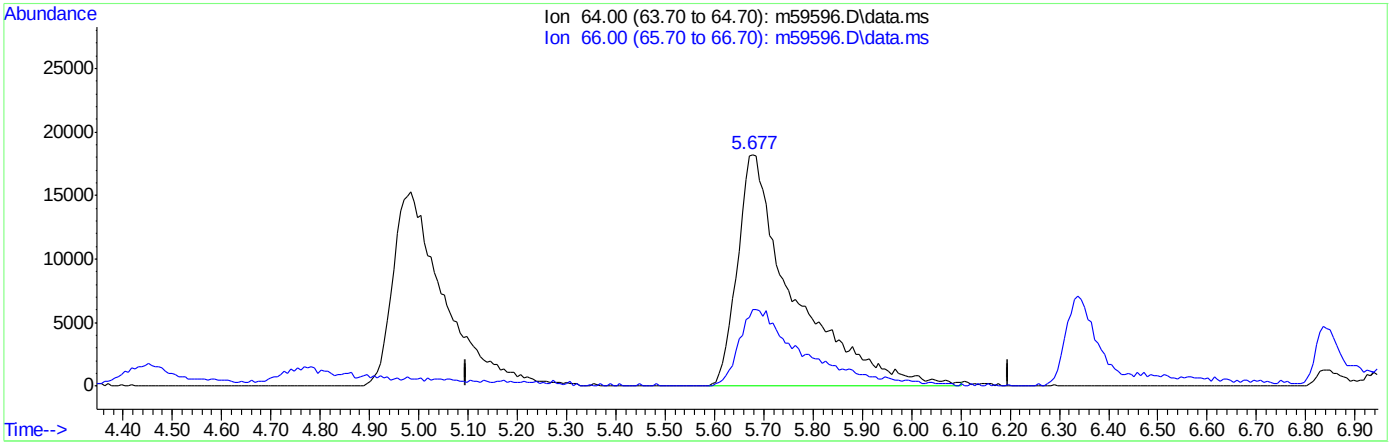


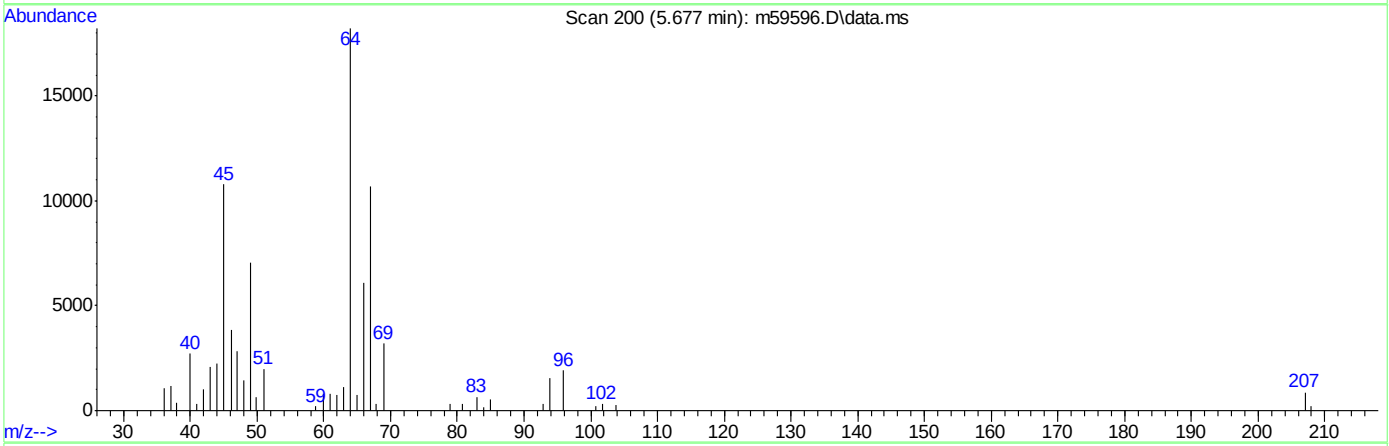
ACCUTEST LABORATORIES MC24774

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59596.D
Acq On : 26 Sep 2013 2:49 am
Operator : krystend
Sample : ICV2064-50
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 07:25:53 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:22:50 2013
Response via : Initial Calibration





TIC: m59596.D\data.ms

(9) chloroethane (M)

5.677min (+0.000) 63.54ug/kg m

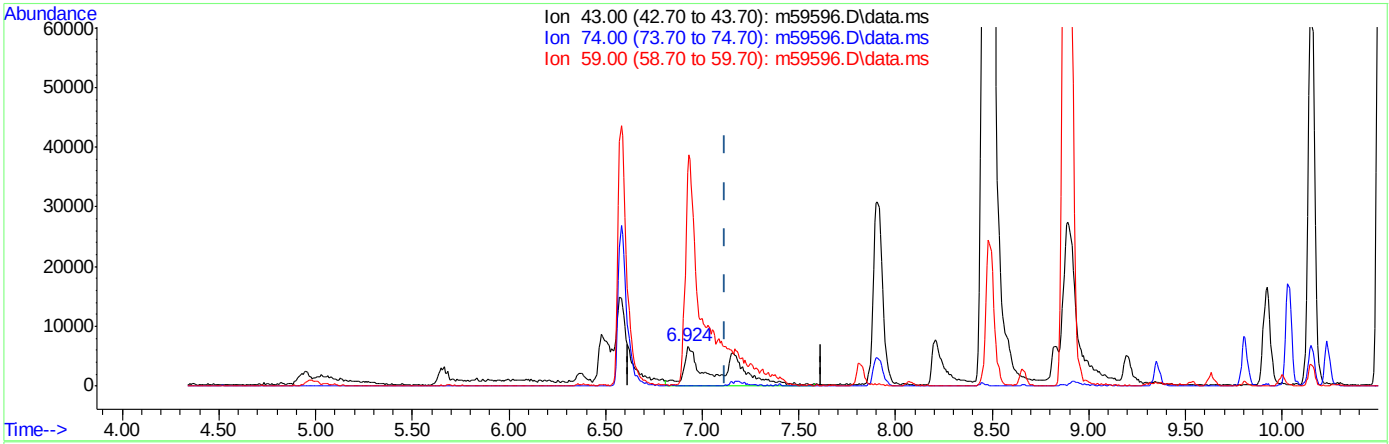
response 144253

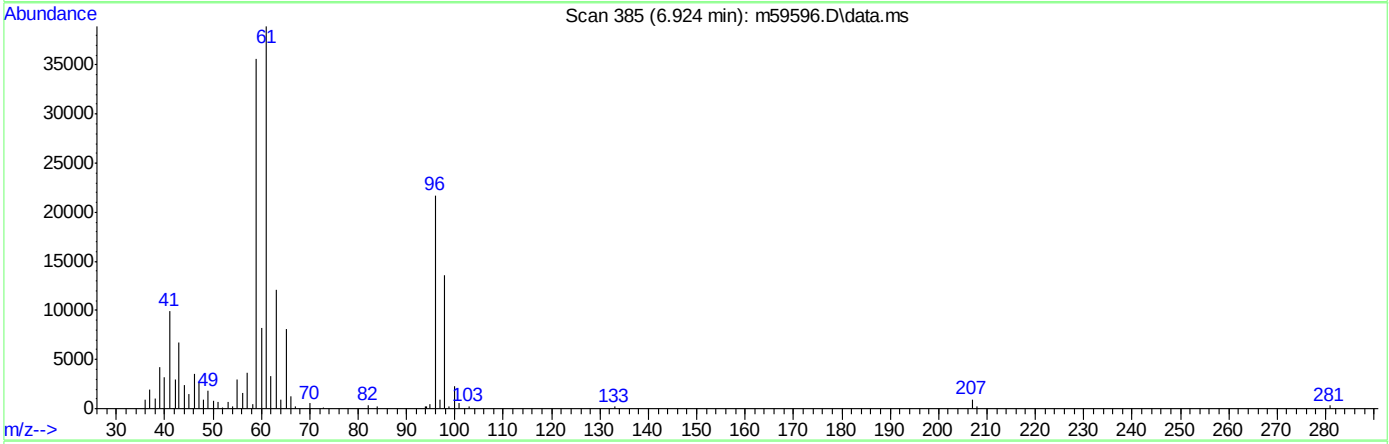
Ion	Exp%	Act%
64.00	100	100
66.00	31.60	33.32
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59596.D
Acq On : 26 Sep 2013 2:49 am
Operator : krystend
Sample : ICV2064-50
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 07:25:53 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:22:50 2013
Response via : Initial Calibration





TIC: m59596.D\data.ms

(17) Methyl Acetate (M)

6.924min (-0.195) 16.09ug/kg m

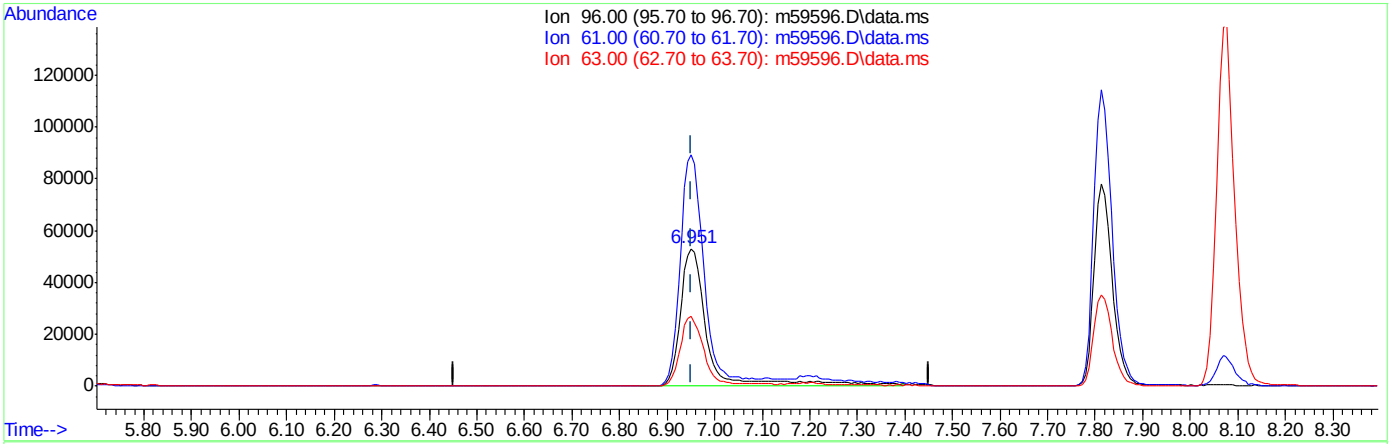
response 86301

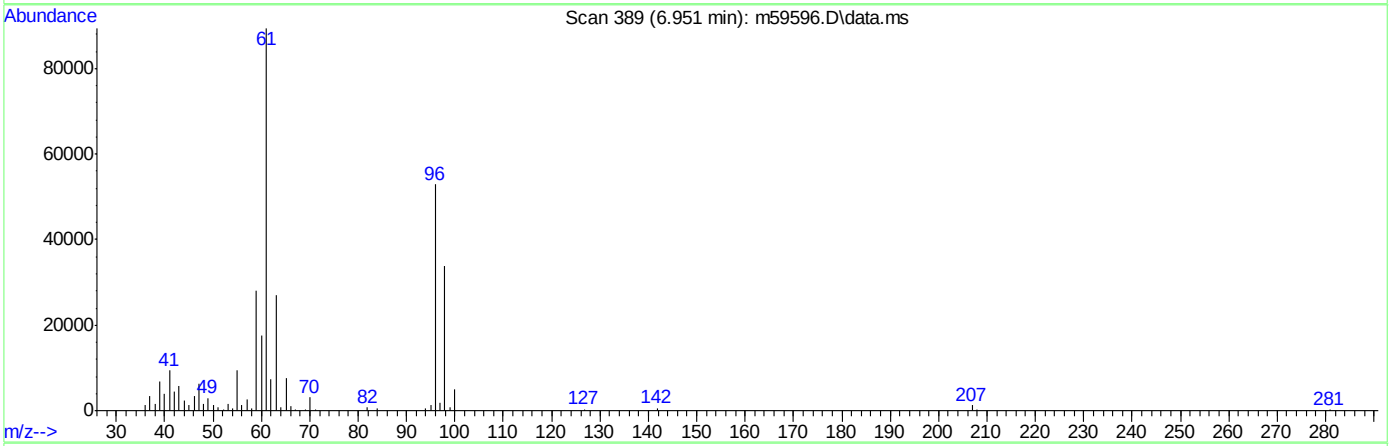
Ion	Exp%	Act%
43.00	100	100
74.00	19.10	0.00
59.00	13.90	532.18#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59596.D
Acq On : 26 Sep 2013 2:49 am
Operator : krystend
Sample : ICV2064-50
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 07:26:40 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:22:50 2013
Response via : Initial Calibration





TIC: m59596.D\data.ms

(15) 1,1-dichloroethene (c)

6.951min (-0.000) 60.72ug/kg

response 212979

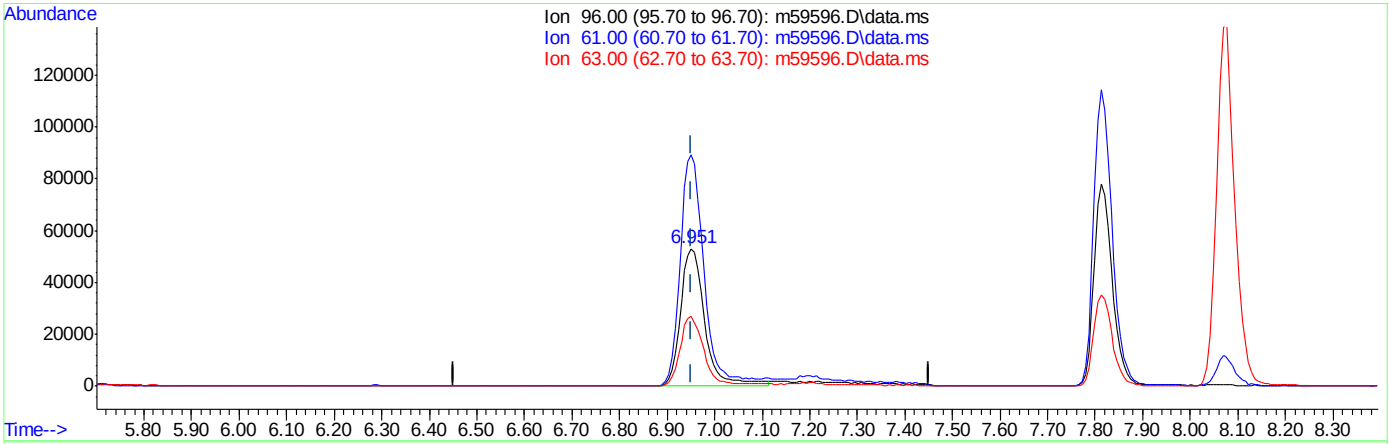
Ion	Exp%	Act%
96.00	100	100
61.00	170.50	168.39
63.00	54.60	51.19
0.00	0.00	0.00

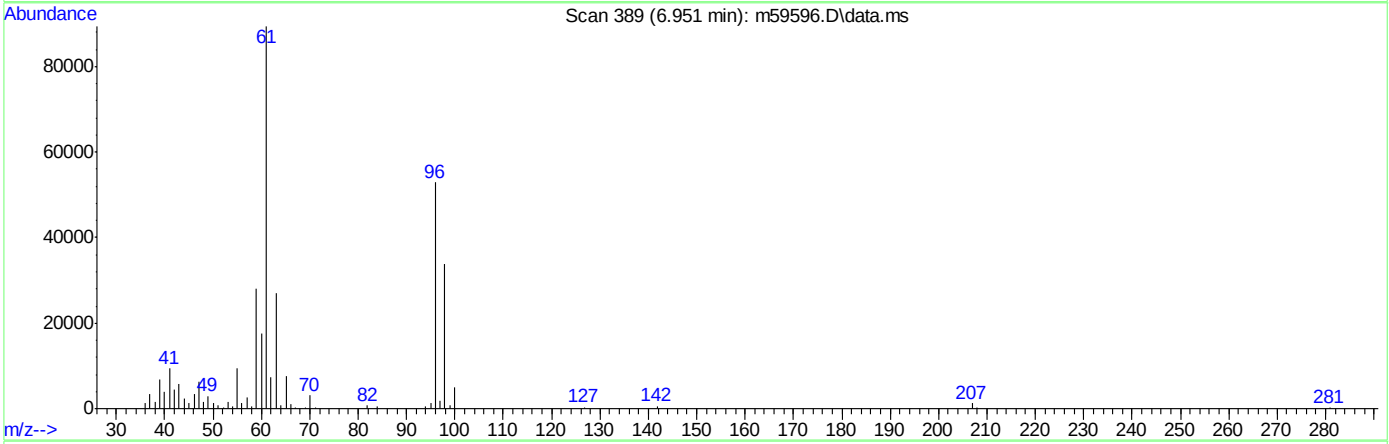
ACCUTEST LABORATORIES MC24774

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59596.D
Acq On : 26 Sep 2013 2:49 am
Operator : krystend
Sample : ICV2064-50
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 07:26:40 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:22:50 2013
Response via : Initial Calibration





TIC: m59596.D\data.ms

(15) 1,1-dichloroethene (c)

6.951min (-0.000) 53.89ug/kg m

response 188997

Ion	Exp%	Act%
96.00	100	100
61.00	170.50	168.85
63.00	54.60	51.19
0.00	0.00	0.00

ACCUTEST LABORATORIES MC24774

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/27/13 09:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130926S\
Data File : m59614.D
Acq On : 26 Sep 2013 2:42 pm
Operator : krystend
Sample : bs
Misc : MS30032,MSM2065,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 26 15:18:04 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.850	65	120314	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	318287m	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	495285	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	207130	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	244372	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	146417	39.08	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 78.16%			
59) toluene-d8 (s)	12.043	98	528704	40.51	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 81.02%			
81) bromofluorobenzene (s)	14.738	95	190410	42.68	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 85.36%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	171932	410.30	ug/kg	97
3) Ethanol	5.671	45	148898	3834.54	ug/kg	100
5) dichlorodifluoromethane	4.431	85	234286	55.77	ug/kg	96
6) chloromethane	4.701	50	395389	57.74	ug/kg	98
7) vinyl chloride	4.970	62	305655	44.95	ug/kg	95
8) bromomethane ...	5.502	96	165996	50.57	ug/kg	94
9) chloroethane	5.677	64	127038m	54.80	ug/kg	
10) ethyl ether	6.580	59	146900	50.25	ug/kg	94
11) acetonitrile	6.580	41	52846	57.50	ug/kg	90
12) trichlorofluoromethane	6.344	101	294705	50.23	ug/kg	100
13) freon-113	7.153	101	167402	54.06	ug/kg	87
14) acrolein	6.344	56	84094	126.60	ug/kg	97
15) 1,1-dichloroethene	6.951	96	181806	50.76	ug/kg	98
16) acetone	6.486	58	17447m	47.90	ug/kg	
17) Methyl Acetate	7.132	43	207629	37.91	ug/kg	93
18) methylene chloride	7.106	84	199187	51.57	ug/kg	92
19) methyl tert butyl ether	7.907	73	385297	48.29	ug/kg	90
20) acrylonitrile	7.011	53	69056	45.81	ug/kg	89
21) allyl chloride	7.200	41	348225	49.26	ug/kg	89
22) trans-1,2-dichloroethene	7.813	96	199040	51.28	ug/kg	95
23) iodomethane	7.011	142	373636	50.96	ug/kg	96
24) carbon disulfide	7.395	76	576434	51.92	ug/kg	100
25) propionitrile	8.109	54	23566	42.07	ug/kg	100
26) vinyl acetate	8.183	43	211151m	25.48	ug/kg	
27) chloroprene	8.446	53	353804	57.21	ug/kg	96
28) di-isopropyl ether	8.486	45	729878	47.45	ug/kg	95
29) methacrylonitrile	8.608	41	111139	46.52	ug/kg	94
30) 2-butanone	8.500	72	26595	64.52	ug/kg#	27
31) 1,1-dichloroethane	8.076	63	349295	54.67	ug/kg	100
32) tert-butyl ethyl ether	8.891	59	533776	50.54	ug/kg	97
33) isobutyl alcohol	8.884	43	136814	244.37	ug/kg	92
34) 2,2-dichloropropane	8.951	77	217337	54.85	ug/kg	98
35) cis-1,2-dichloroethene	8.655	96	209837	47.10	ug/kg	95
36) ethyl acetate	8.884	43	136520	48.87	ug/kg	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130926S\
Data File : m59614.D
Acq On : 26 Sep 2013 2:42 pm
Operator : krystend
Sample : bs
Misc : MS30032,MSM2065,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 26 15:18:04 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	116132	53.37	ug/kg	93
38) chloroform	8.864	83	333877	52.98	ug/kg	100
40) Tetrahydrofuran	9.201	42	62785	42.60	ug/kg	89
41) 1,1,1-trichloroethane	9.632	97	286290	53.72	ug/kg	98
43) Cyclohexane	9.921	56	315376	46.87	ug/kg	90
44) carbon tetrachloride	10.002	117	287852	53.47	ug/kg	99
45) 1,1-dichloropropene	9.807	75	245694	51.40	ug/kg	97
46) benzene	10.029	78	732127	47.69	ug/kg	99
47) 1,2-dichloroethane	9.524	62	249077	48.79	ug/kg	98
48) tert-amyl methyl ether	10.150	73	394413	49.93	ug/kg	96
49) heptane	10.507	43	330120	47.09	ug/kg	95
50) trichloroethene	10.656	95	204081	48.02	ug/kg	89
51) 1,2-dichloropropane	10.622	63	203092	47.79	ug/kg	100
52) dibromomethane	10.602	93	115711	51.36	ug/kg	87
53) bromodichloromethane	10.716	83	256703	49.22	ug/kg	98
54) Methylcyclohexane	11.181	83	315090	49.52	ug/kg	91
55) 2-chloroethyl vinyl ether	11.087	63	61943	41.00	ug/kg	97
56) methyl methacrylate	10.804	69	113361	50.79	ug/kg	93
57) 1,4-dioxane	10.811	88	8410	242.78	ug/kg	86
58) cis-1,3-dichloropropene	11.336	75	286079	47.97	ug/kg	96
60) 4-methyl-2-pentanone	11.424	43	208477	45.79	ug/kg	100
61) toluene	12.117	92	481624	49.67	ug/kg	99
62) trans-1,3-dichloropropene	11.754	75	254564	50.72	ug/kg	90
63) 1,1,2-trichloroethane	11.929	83	132474	47.44	ug/kg	94
64) ethyl methacrylate	12.124	69	184543	40.21	ug/kg	84
66) tetrachloroethene	12.858	166	232095	53.55	ug/kg	98
67) 1,3-dichloropropane	12.165	76	246120	45.73	ug/kg	99
68) dibromochloromethane	12.461	129	232293	47.65	ug/kg	99
69) 1,2-dibromoethane	12.710	107	175766	46.23	ug/kg	100
70) 2-hexanone	12.279	43	176947	53.99	ug/kg	99
71) chlorobenzene	13.546	112	581125	46.67	ug/kg	94
72) 1,1,1,2-tetrachloroethane	13.458	131	227340	46.87	ug/kg	98
73) ethylbenzene	13.714	91	912466	48.61	ug/kg	96
74) m,p-xylene	13.896	106	773989	96.77	ug/kg	95
75) o-xylene	14.313	106	380057	46.07	ug/kg	94
76) styrene	14.239	104	614037	50.24	ug/kg	98
77) bromoform	14.071	173	155034	50.25	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.462	53	70424	46.33	ug/kg	94
80) isopropylbenzene	14.677	105	990338	49.81	ug/kg	97
82) bromobenzene	14.967	156	274880	51.91	ug/kg	86
83) 1,1,2,2-tetrachloroethane	14.320	83	223025	47.07	ug/kg	98
84) 1,2,3-trichloropropane	14.468	75	232080	48.23	ug/kg	99
85) n-propylbenzene	15.122	91	1053510	49.26	ug/kg	93
86) 2-chlorotoluene	15.243	91	625564	48.26	ug/kg	90
87) 4-chlorotoluene	15.317	91	648277	51.29	ug/kg	92
88) 1,3,5-trimethylbenzene	15.398	105	826429	50.50	ug/kg	95
89) tert-butylbenzene	15.708	91	442775	48.61	ug/kg	83
90) 1,2,4-trimethylbenzene	15.809	105	819492	50.92	ug/kg	97
91) sec-butylbenzene	15.930	105	1093046	48.59	ug/kg	94
92) 1,3-dichlorobenzene	16.031	146	520683	50.82	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130926S\
Data File : m59614.D
Acq On : 26 Sep 2013 2:42 pm
Operator : krystend
Sample : bs
Misc : MS30032,MSM2065,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 26 15:18:04 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

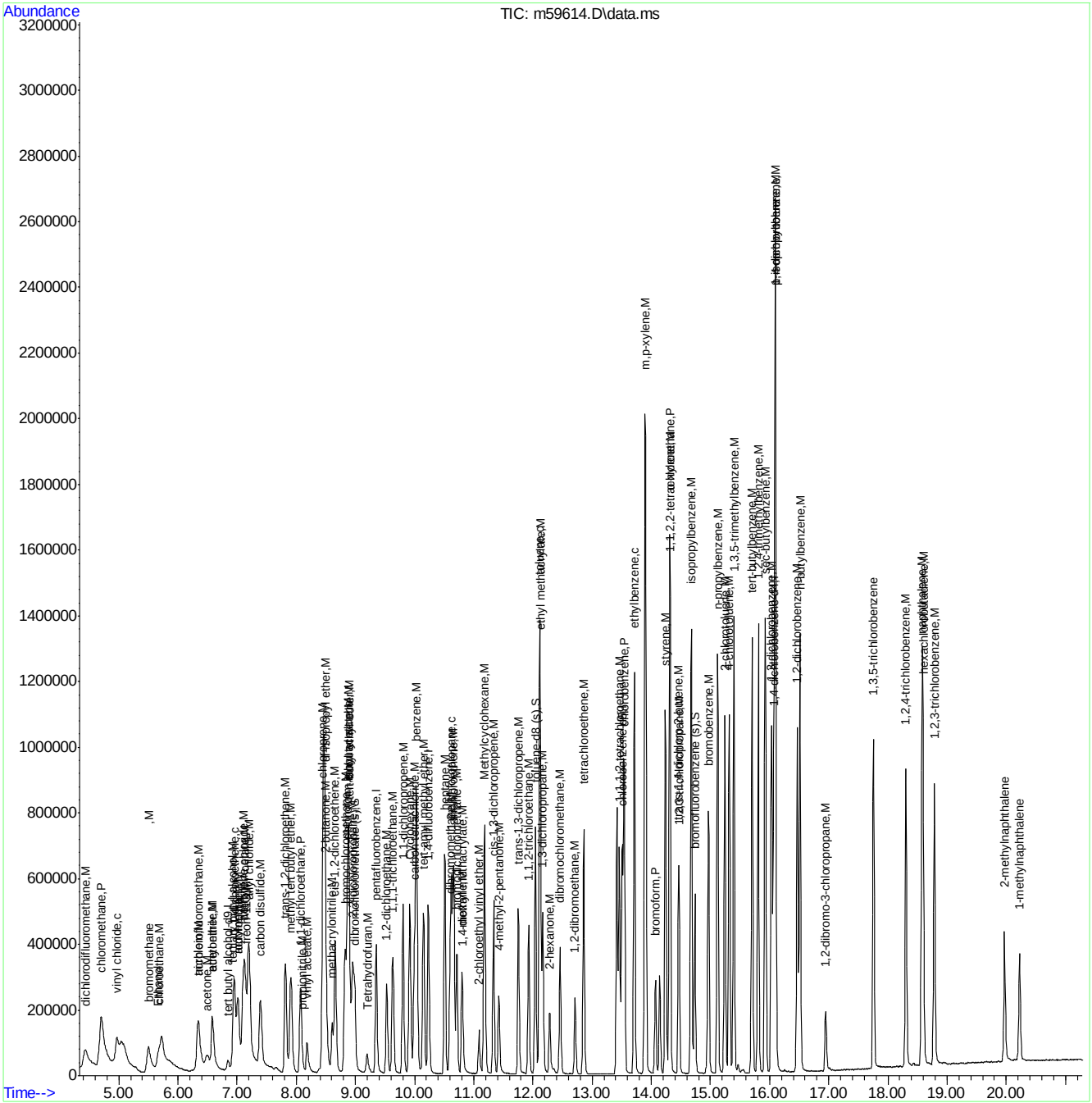
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	956451	53.47	ug/kg	97
94) 1,4-dichlorobenzene	16.099	146	545220	52.59	ug/kg	96
95) 1,2-dichlorobenzene	16.469	146	499459	48.40	ug/kg	98
96) n-butylbenzene	16.516	91	793886	51.79	ug/kg	92
97) 1,2-dibromo-3-chloropr...	16.947	75	40671	42.44	ug/kg	81
98) 1,3,5-trichlorobenzene	17.756	180	363085	54.99	ug/kg	99
99) 1,2,4-trichlorobenzene	18.301	180	346649	54.93	ug/kg	100
100) hexachlorobutadiene	18.598	225	184771	50.54	ug/kg	98
101) naphthalene	18.578	128	894537	47.89	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	335622	51.68	ug/kg	96
103) 2-methylnaphthalene	19.972	142	256896	26.57	ug/kg	97
104) 1-methylnaphthalene	20.228	TIC	811949	25.69	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130926S\
Data File : m59614.D
Acq On : 26 Sep 2013 2:42 pm
Operator : krystend
Sample : bs
Misc : MS30032,MSM2065,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

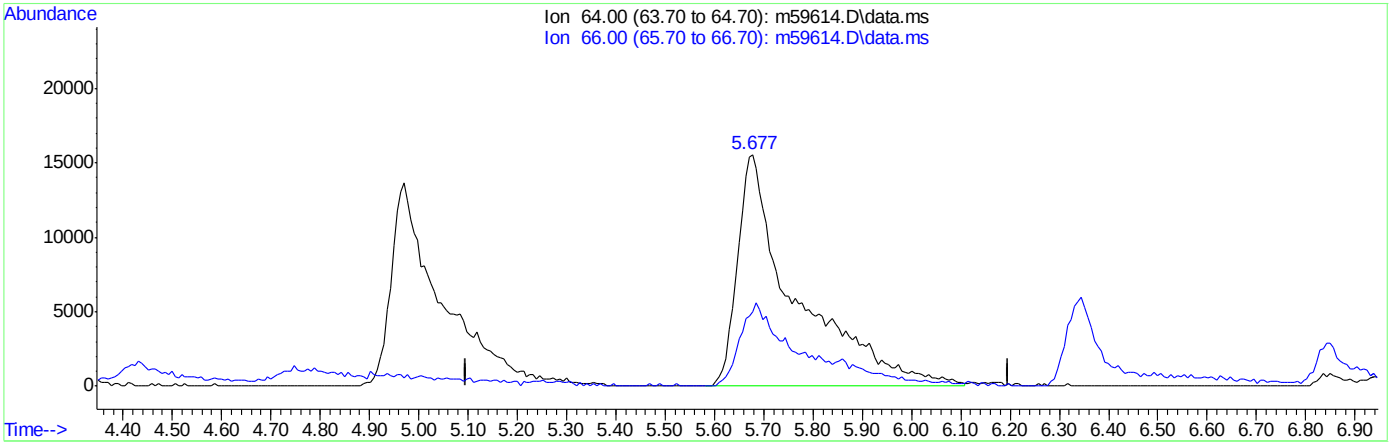
Quant Time: Sep 26 15:18:04 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

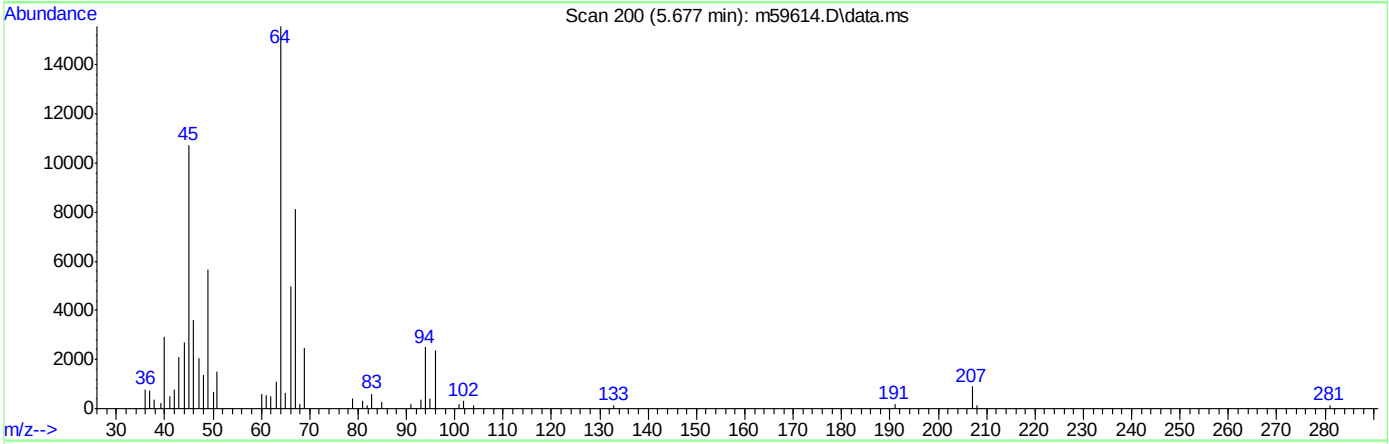


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130926S\
Data File : m59614.D
Acq On : 26 Sep 2013 2:42 pm
Operator : krystend
Sample : bs
Misc : MS30032,MSM2065,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 26 15:03:53 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:22:50 2013
Response via : Initial Calibration





TIC: m59614.D\data.ms

(9) chloroethane (M)

5.677min (+0.000) 54.32ug/kg m

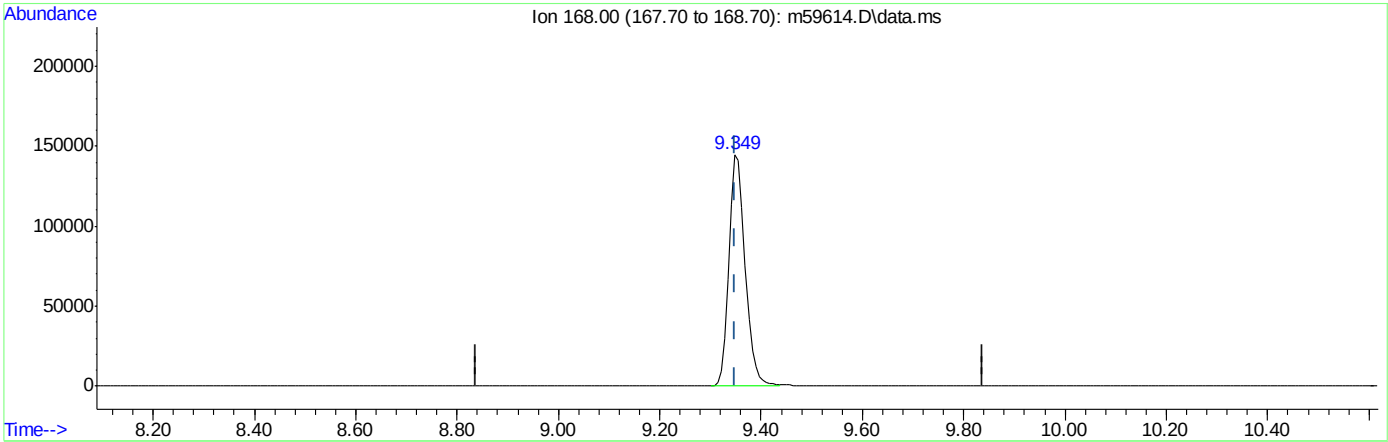
response 127346

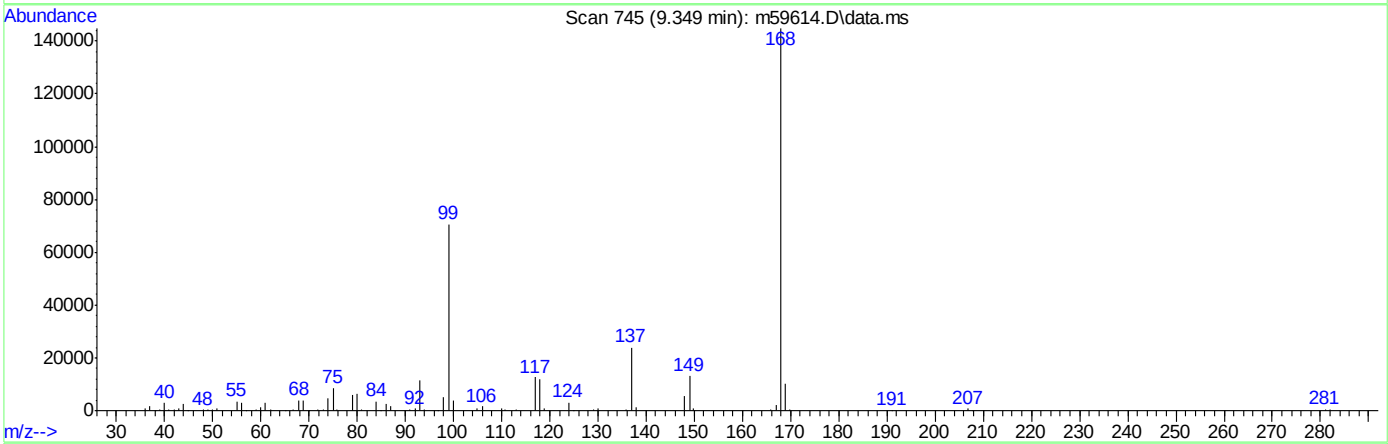
Ion	Exp%	Act%
64.00	100	100
66.00	31.60	31.89
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130926S\
Data File : m59614.D
Acq On : 26 Sep 2013 2:42 pm
Operator : krystend
Sample : bs
Misc : MS30032,MSM2065,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 26 15:03:53 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:22:50 2013
Response via : Initial Calibration





TIC: m59614.D\data.ms

(4) pentafluorobenzene (I)

9.349min (-0.000) 50.00ug/kg m

response 318295

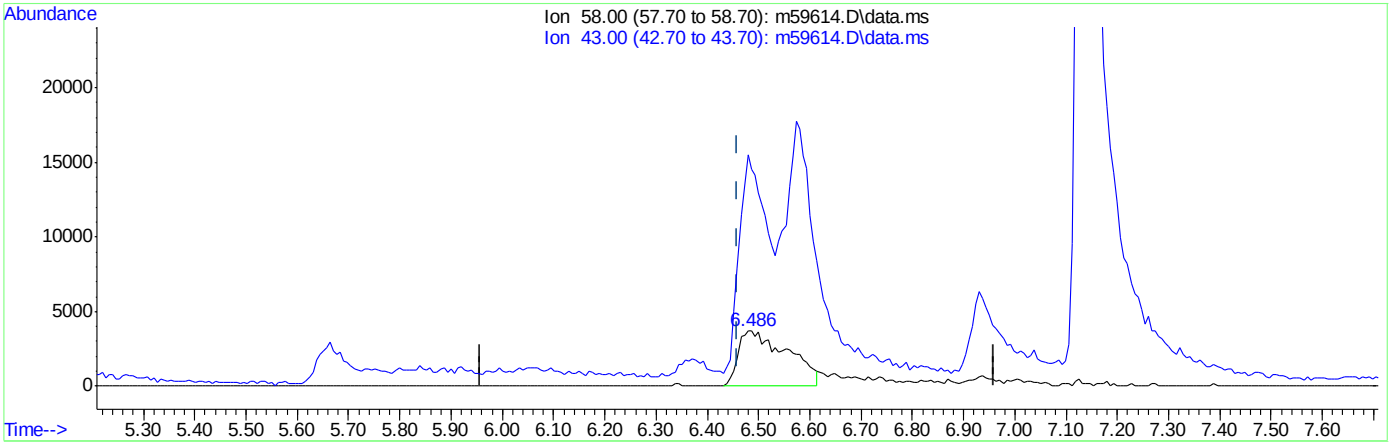
Ion	Exp%	Act%
168.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

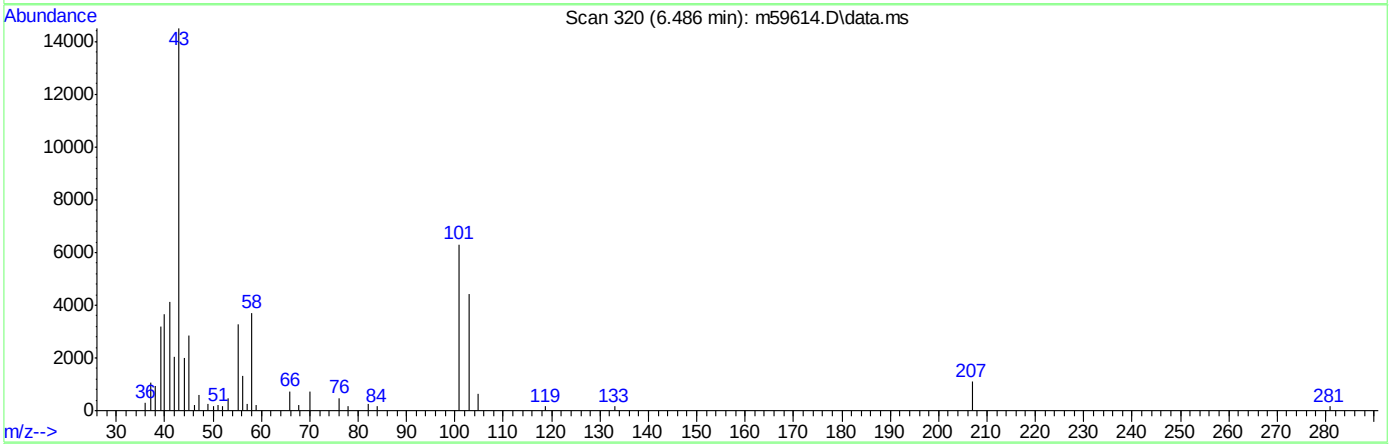
ACCUTEST LABORATORIES MC24774

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130926S\
Data File : m59614.D
Acq On : 26 Sep 2013 2:42 pm
Operator : krystend
Sample : bs
Misc : MS30032,MSM2065,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 26 15:03:53 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:22:50 2013
Response via : Initial Calibration





TIC: m59614.D\data.ms

(16) acetone (M)

6.486min (+0.027) 68.57ug/kg m

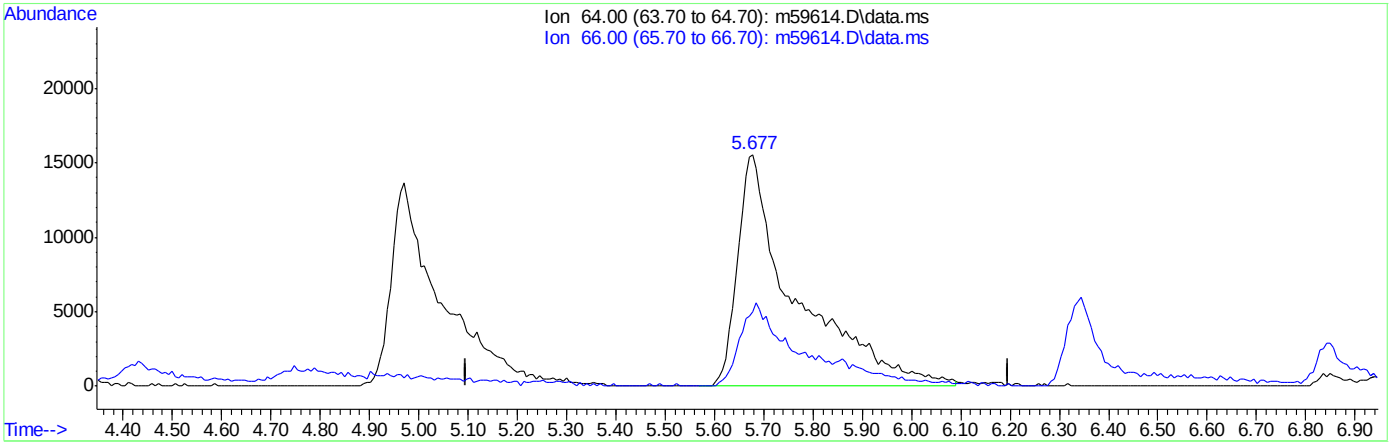
response 24838

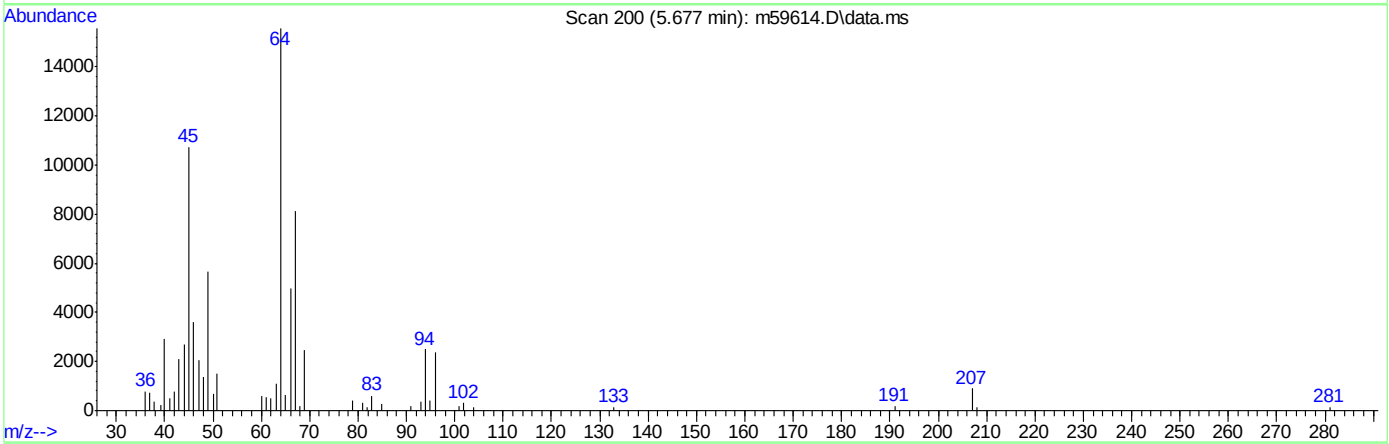
Ion	Exp%	Act%
58.00	100	100
43.00	380.40	391.68
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130926S\
Data File : m59614.D
Acq On : 26 Sep 2013 2:42 pm
Operator : krystend
Sample : ICV2064-50
Misc : MS30032,MSM2065,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 26 15:10:54 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m59614.D\data.ms

(9) chloroethane (M)

5.677min (+0.000) 54.80ug/kg m

response 127038

Ion	Exp%	Act%
64.00	100	100
66.00	31.60	31.89
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 10/07/13 12:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59974.D
Acq On : 6 Oct 2013 8:42 am
Operator : krystend
Sample : cc2064-50
Misc : MS30123,MSM2079,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 10:26:42 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	72464	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	201715	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	330365	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	149660	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	186596	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	100479	42.31	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.62%			
59) toluene-d8 (s)	12.043	98	360846	41.45	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 82.90%			
81) bromofluorobenzene (s)	14.731	95	136839	40.17	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 80.34%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	92496	358.69	ug/kg	93
3) Ethanol	5.657	45	95196	4059.99	ug/kg	97
5) dichlorodifluoromethane	4.438	85	142290	53.45	ug/kg	99
6) chloromethane	4.701	50	230593	53.14	ug/kg	99
7) vinyl chloride	4.977	62	218273	50.65	ug/kg	98
8) bromomethane ...	5.502	96	102558	49.30	ug/kg	93
9) chloroethane	5.671	64	78533m	53.46	ug/kg	
10) ethyl ether	6.580	59	89897	48.53	ug/kg	98
11) acetonitrile	6.573	41	27936	47.96	ug/kg	88
12) trichlorofluoromethane	6.337	101	205101	55.16	ug/kg	100
13) freon-113	7.153	101	107318	54.68	ug/kg	90
14) acrolein	6.337	56	98529	234.05	ug/kg	98
15) 1,1-dichloroethene	6.950	96	106870	47.09	ug/kg	96
16) acetone	6.486	58	12148	52.71	ug/kg	94
17) Methyl Acetate	7.132	43	158837	45.77	ug/kg	95
18) methylene chloride	7.105	84	129607	52.95	ug/kg	97
19) methyl tert butyl ether	7.900	73	235336	46.54	ug/kg	93
20) acrylonitrile	7.011	53	47726	49.96	ug/kg	99
21) allyl chloride	7.200	41	232377	51.87	ug/kg	92
22) trans-1,2-dichloroethene	7.813	96	125250	50.92	ug/kg	99
23) iodomethane	7.011	142	244655	52.65	ug/kg	100
24) carbon disulfide	7.395	76	374438	53.21	ug/kg	99
25) propionitrile	8.163	54	16332	45.76	ug/kg	100
26) vinyl acetate	8.176	43	252883	43.95	ug/kg	99
27) chloroprene	8.446	53	203782	51.99	ug/kg	96
28) di-isopropyl ether	8.480	45	471438	48.36	ug/kg	94
29) methacrylonitrile	8.608	41	70063	46.27	ug/kg	93
30) 2-butanone	8.500	72	11375	45.59	ug/kg#	1
31) 1,1-dichloroethane	8.069	63	203501	50.26	ug/kg	99
32) tert-butyl ethyl ether	8.884	59	314501	46.98	ug/kg	98
33) isobutyl alcohol	8.884	43	76112	214.52	ug/kg	99
34) 2,2-dichloropropane	8.951	77	128544	51.19	ug/kg	97
35) cis-1,2-dichloroethene	8.655	96	141685	50.18	ug/kg	99
36) ethyl acetate	8.884	43	76080	42.97	ug/kg	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59974.D
Acq On : 6 Oct 2013 8:42 am
Operator : krystend
Sample : cc2064-50
Misc : MS30123,MSM2079,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 10:26:42 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	69192	50.18	ug/kg	94
38) chloroform	8.864	83	203060	50.85	ug/kg	99
40) Tetrahydrofuran	9.200	42	37064	39.68	ug/kg	97
41) 1,1,1-trichloroethane	9.632	97	173523	51.38	ug/kg	97
43) Cyclohexane	9.914	56	215444	48.00	ug/kg	87
44) carbon tetrachloride	10.002	117	177026	49.30	ug/kg	99
45) 1,1-dichloropropene	9.807	75	155739	48.85	ug/kg	93
46) benzene	10.036	78	477086	46.59	ug/kg	99
47) 1,2-dichloroethane	9.524	62	160227	47.05	ug/kg	99
48) tert-amyl methyl ether	10.150	73	232627	44.15	ug/kg	97
49) heptane	10.507	43	234655	50.18	ug/kg	94
50) trichloroethene	10.662	95	137249	48.41	ug/kg	90
51) 1,2-dichloropropane	10.622	63	132806	46.86	ug/kg	99
52) dibromomethane	10.602	93	71640	47.67	ug/kg	92
53) bromodichloromethane	10.709	83	165837	47.67	ug/kg	99
54) Methylcyclohexane	11.181	83	207511	48.89	ug/kg	94
55) 2-chloroethyl vinyl ether	11.087	63	43670	43.33	ug/kg	97
56) methyl methacrylate	10.804	69	65396	43.92	ug/kg	95
57) 1,4-dioxane	10.804	88	4742	204.81	ug/kg	99
58) cis-1,3-dichloropropene	11.336	75	191202	48.07	ug/kg	92
60) 4-methyl-2-pentanone	11.423	43	127475	41.98	ug/kg	100
61) toluene	12.117	92	315231	48.74	ug/kg	98
62) trans-1,3-dichloropropene	11.754	75	158110	47.23	ug/kg	88
63) 1,1,2-trichloroethane	11.929	83	85645	45.98	ug/kg	92
64) ethyl methacrylate	12.124	69	125059	40.76	ug/kg	91
66) tetrachloroethene	12.858	166	135685	43.33	ug/kg	98
67) 1,3-dichloropropane	12.164	76	163235	41.97	ug/kg	100
68) dibromochloromethane	12.461	129	149850	42.54	ug/kg	98
69) 1,2-dibromoethane	12.710	107	115255	41.96	ug/kg	98
70) 2-hexanone	12.286	43	89582	37.83	ug/kg	98
71) chlorobenzene	13.539	112	401057	44.58	ug/kg	94
72) 1,1,1,2-tetrachloroethane	13.458	131	147030	41.95	ug/kg	97
73) ethylbenzene	13.714	91	596307	43.97	ug/kg	96
74) m,p-xylene	13.896	106	520922	90.14	ug/kg	95
75) o-xylene	14.313	106	263041	44.13	ug/kg	93
76) styrene	14.239	104	383926	43.47	ug/kg	98
77) bromoform	14.071	173	88670	39.77	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.462	53	44759	40.76	ug/kg	94
80) isopropylbenzene	14.677	105	676847	44.58	ug/kg	96
82) bromobenzene	14.967	156	175040	43.29	ug/kg	88
83) 1,1,2,2-tetrachloroethane	14.320	83	144396	39.91	ug/kg	98
84) 1,2,3-trichloropropane	14.462	75	146677	39.92	ug/kg	98
85) n-propylbenzene	15.122	91	744423	45.58	ug/kg	92
86) 2-chlorotoluene	15.243	91	438679	44.32	ug/kg	90
87) 4-chlorotoluene	15.317	91	440280	45.62	ug/kg	92
88) 1,3,5-trimethylbenzene	15.398	105	566498	45.33	ug/kg	92
89) tert-butylbenzene	15.701	91	302721	43.52	ug/kg	87
90) 1,2,4-trimethylbenzene	15.809	105	565093	45.99	ug/kg	96
91) sec-butylbenzene	15.923	105	772344	44.96	ug/kg	97
92) 1,3-dichlorobenzene	16.031	146	362490	46.34	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59974.D
Acq On : 6 Oct 2013 8:42 am
Operator : krystend
Sample : cc2064-50
Misc : MS30123,MSM2079,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 10:26:42 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

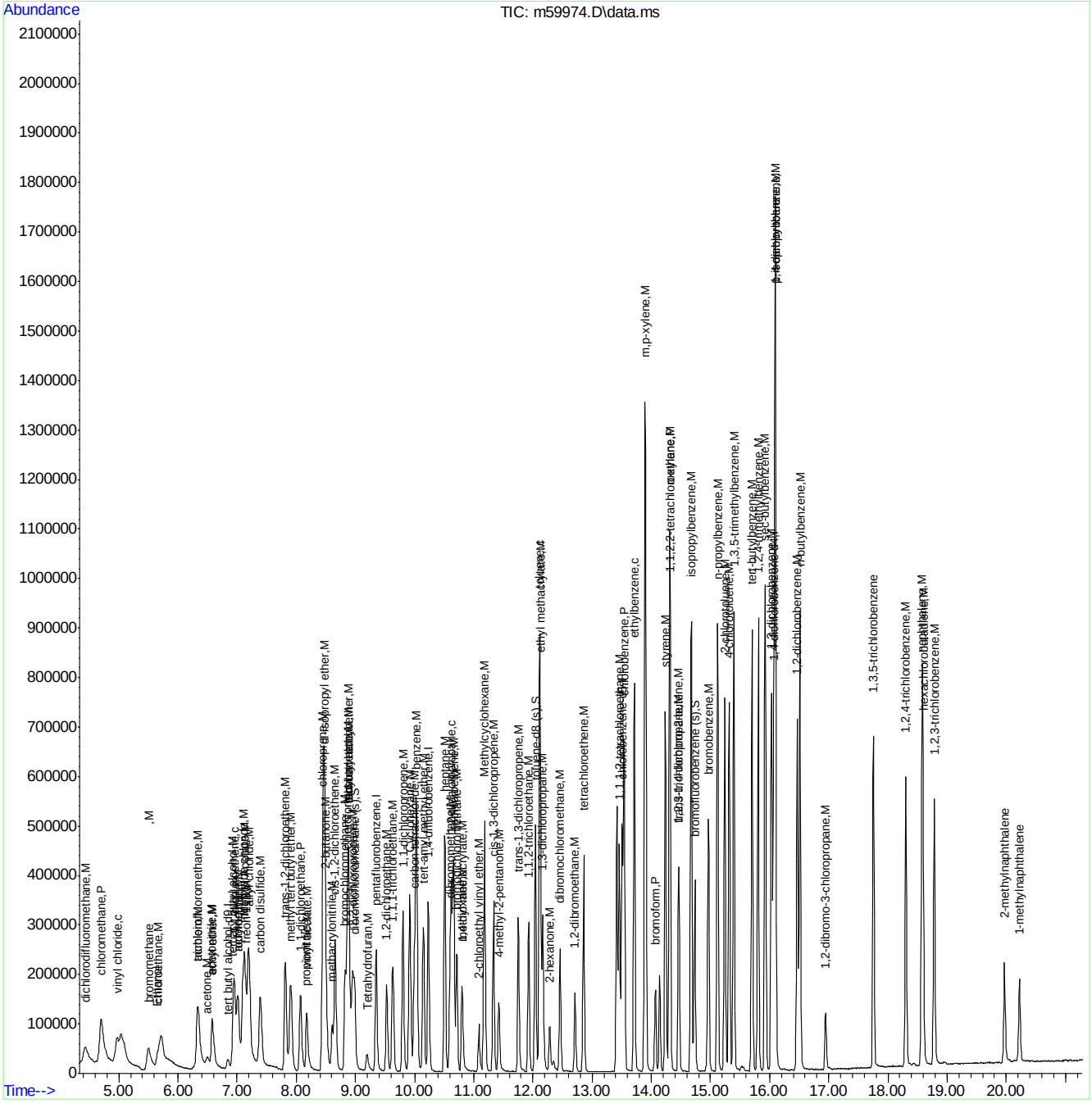
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.098	119	627106	45.91	ug/kg	96
94)	1,4-dichlorobenzene	16.098	146	372538	47.06	ug/kg	96
95)	1,2-dichlorobenzene	16.469	146	350005	44.42	ug/kg	97
96)	n-butylbenzene	16.516	91	564081	48.20	ug/kg	91
97)	1,2-dibromo-3-chloropr...	16.947	75	26494	36.21	ug/kg	85
98)	1,3,5-trichlorobenzene	17.756	180	231192	45.86	ug/kg	100
99)	1,2,4-trichlorobenzene	18.301	180	209101	43.40	ug/kg	100
100)	hexachlorobutadiene	18.598	225	106635	38.20	ug/kg	99
101)	naphthalene	18.577	128	525597	36.85	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	197465	39.82	ug/kg	93
103)	2-methylnaphthalene	19.972	142	130366	17.66	ug/kg	99
104)	1-methylnaphthalene	20.221	TIC	411025	17.03	ug/kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59974.D
Acq On : 6 Oct 2013 8:42 am
Operator : krystend
Sample : cc2064-50
Misc : MS30123,MSM2079,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

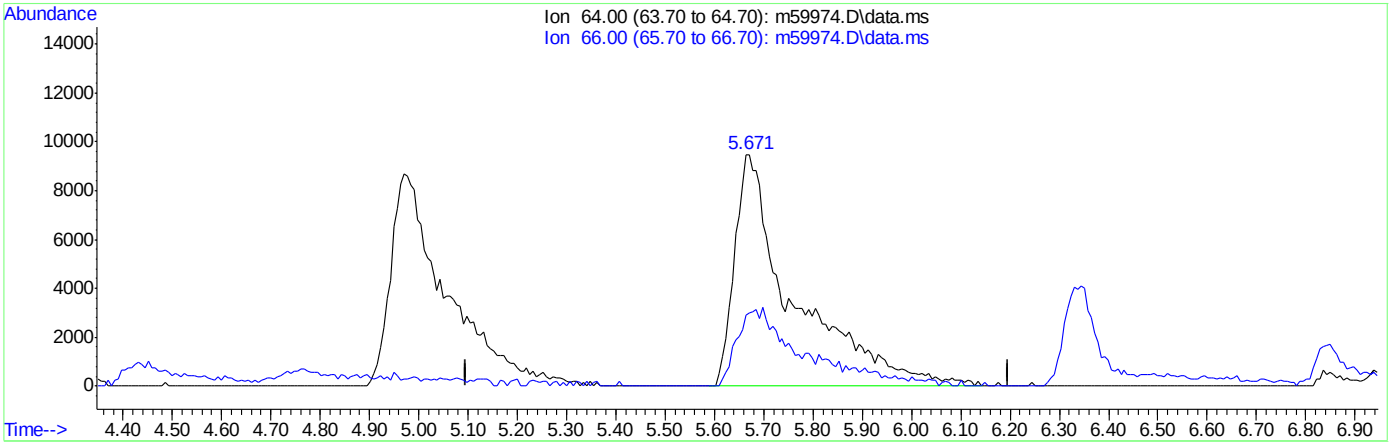
Quant Time: Oct 06 10:26:42 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

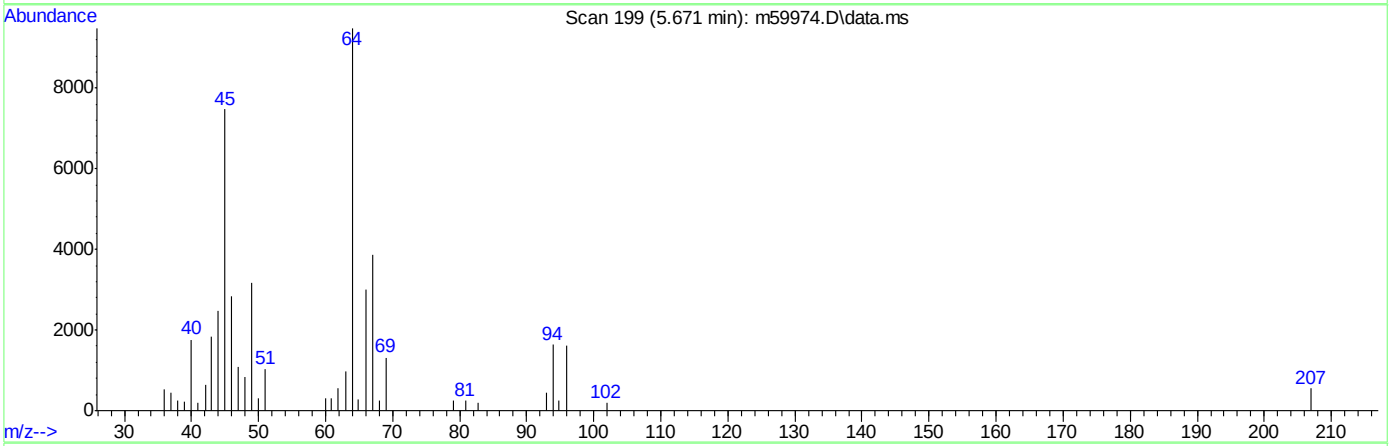


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59974.D
Acq On : 6 Oct 2013 8:42 am
Operator : krystend
Sample : cc2064-50
Misc : MS30123,MSM2079,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 10:25:58 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m59974.D\data.ms

(9) chloroethane (M)

5.671min (-0.006) 53.46ug/kg m

response 78533

Ion	Exp%	Act%
64.00	100	100
66.00	31.60	31.68
0.00	0.00	0.00
0.00	0.00	0.00

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9376	8260 CC (1)	200 ug/mL
83	BS (1)	200
82	IS	250
72	SS	200

Daily Saved File

Tune file 1:	MS9583
Tune file 2:	MS9596
Initial Cal:	9-25-13
ID File:	M130925S.M
ICAL Verified:	KD
Sequence verified:	KD

Date: 9/25/13

Batch ID: MSM2064

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
MS9580	blank	NA	NA	8260	1	NA	NA	NA	NA	NA	
81	blank			LOW SOIL	2						
82	blank			CURVE	3						
83	bfb				4						
84	IC2064-2	1			5						
85	-0.5				6						
86	-5				7						
87	-10				8						
88	-20				9						
89	ICC2064-50				10						
90	IC2064-100				11						
91	-200				12						
92	-400				13						
93	blank	NA			14						
94	blank				15						
95	ICV2064-50	1			16						DI
✓ 96	ICV2064-50				17						Sod. Bis. 2.4 8AM
97	blank	NA			18						
98	blank				19						

9/26/13 KD

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review: _____

ACCUTEST LABORATORIES MC24774

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9376	8260CC	200ug/mL
83	BS	200
84	IS1S5	250

Daily Saved File

Tune file 1:	M59583
Tune file 2:	M59596
Initial Cal:	9-25-13
ID File:	M130925S.M
ICAL Verified:	KD
Sequence verified:	KD

Date: 9/26/13

Batch ID: MSM2064

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M59599	blank	NA	NA	NA	1	NA	NA	NA	NA	NA	-
M59600	mb	NA	↓	↓	2	↓	↓				M.CL. = 2.29 (E
01	MC24621-4A	2	MS30032	RCP	3	SSTB	5				VV B
02	-10	3			4	SO	6.25				VV B
03	-11	3			5		5.11				VV B
04	-12	3			6		5.11				VV B
05	-17	2			7		4.85				VV B
06	-18	4			8		5.01				VV
07	-23	2		↓	9		6.24				VV B
08	MC24563-2	2		TCL	10		5.014				VV B
09	-3	2		↓	11		5.247				VV B
10	-4	2		TCLSTAR	12		5.377				VV B
11	-5	2		↓	13		4.982				VV
12	-2MS	2		TCL	14		5.040				VV
13	-2MSD	2	↓	↓	15	↓	5.311	↓	↓	↓	(before 2:49:) VV

9/26/13 (KD)

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

30

7.2.1

7

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9376	8260 CC	200ug/ml
↓ 83	↓ BS	200 ↓
↓ 84	↓ IS/SS	250 ↓

Daily Saved File

Tune file 1:	M59614
Tune file 2:	NA
Initial Cal:	9-25-13
ID File:	M130925S.M
ICAL Verified:	KD
Sequence verified:	KR

Date: 9/26/13

Batch ID: MSM2065

Analysts KD

Signature: KD

*Note: If sample matrix is soil -- method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M59614	BS/ICV604	1	NA	NA	16	NA	NA	NA	NA	NA	VV
15	ibik	NA	↓	↓	17	↓	↓	↓	↓	↓	-
16	mb	NA	↓	↓	18	↓	↓	↓	↓	↓	VV
17	MC24480-1	2	MS30037	Std+MTBE	19	SO	4.856	↓	↓	↓	VV
18	↓ -2	2	↓	↓	20	↓	5.209	↓	↓	↓	VV
19	-1MS	2	↓	↓	21	↓	4.847	↓	↓	↓	VV
20	↓ -1MSD	2	↓	↓	22	↓	4.975	↓	↓	↓	VV
21	MC24368&22	2	MS30022	BTX	23	↓	5.910	↓	↓	↓	VV
22	↓ -23	2	MS30037	↓	24	↓	6.270	↓	↓	↓	VV
23	↓ -24	2	↓	↓	25	↓	6.630	↓	↓	↓	VV
24	↓ -26	2	↓	↓	26	↓	6.220	↓	↓	↓	VV
25	MC24419-13	3	↓	Std+MTBE	27	↓	7.037	↓	↓	↓	VV
26	↓ -14	2	↓	↓	28	↓	8.471	↓	↓	↓	VV
27	↓ -15	2	↓	↓	29	↓	8.631	↓	↓	↓	VV
28	MC24378-1A	1	↓	↓	30	SSTB	5	↓	↓	↓	VV
29	MC24409-1	2	↓	BTX	31	SO	5.240	↓	↓	↓	VV
30	↓ -3	3	↓	↓	32	↓	4.680	↓	↓	↓	VV
31	↓ -4	2	↓	↓	33	↓	6.200	↓	↓	↓	VV
32	↓ -5	2	↓	↓	34	↓	4.990	↓	↓	↓	VV
33	↓ -7	2	↓	↓	35	↓	5.340	↓	↓	↓	VV
34	↓ -8	2	↓	↓	36	↓	6.290	↓	↓	↓	VV
35	↓ -9	2	↓	↓	37	↓	5.410	↓	↓	↓	VV
36	↓ -12	2	↓	↓	38	↓	5.970	↓	↓	↓	VV
37	↓ -6	2	↓	↓	39	↓	6.180	↓	↓	↓	VV
↓ 38	blank	NA	NA	NA	40	NA	NA	↓	↓	↓	-

9/26/13 KD

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

Review:_____

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9392	8260 CC	200ug/ML
↓ 83	↓ BS	200 ↓
↓ 84	↓ IS+SS	250 ↓

Daily Saved File

Tune file 1:	MS9974
Tune file 2:	NA
Initial Cal:	9-25-13
ID File:	M130925S.M
ICAL Verified:	KD
Sequence verified:	KD

Date: 10-6-13

Batch ID: MSM2079

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
MS9973	blank	NA	NA	NA	1	NA	NA	NA	NA	NA	–
74	CC2064-50	1			2						VV
75	BS	1			3						VV
76	BSD	1			4						–
77	iblk	NA			5						–
78	mb	NA			6						VV
79	MC25020-2A	1	MS30130	TCL+14D	7	SSTB	5				VV
80	MC24778-9	2		SL+	8	50	4.89				VV
81	MC24774-1	1		TCL42+(20)	9		4.893				VV
82	-4	1			10		5.159				VV
83	-1MS	1			11		4.739				VV
84	-1MSD	1		↓	12		4.638				VV
85	MC25018-1	3		TCL	13		4.764				VV
86	↓ -3	3		↓	14		5.310				VV
87	MC24983-1	6		TCLSTAR	15		8.068				VV
88	-2	4			16		8.088				VV
89	↓ -3	4		↓	17		7.89				VV
90	MC25020-1	4		TCL+14D	18		6.873				VV
91	MC24778-1	2		SL+	19		5.7				VV
92	-2	2			20		5.83				VV
93	-3	2			21		5.66				VV
94	-4	2			22		5.870				VV
95	-5	3			23		6.03				VV
96	-6	3			24		5.18				VV
97	-7	2			25		5.53				VV
↓ 98	↓ -8	2	↓	↓	26	↓	4.92	↓	↓	↓	VV
	10/6/13 KD										

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review: _____

New England ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: MC24774
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MC24774-1 **Analyzed:** 03-OCT-13 by HS **Method:** SM21 2540 B MOD.
ClientID: EPT-SB-LASA401-0008

Wet Weight (Total)	37.977	g
Tare Weight	26.931	g
Dry Weight (Total)	36.946	g
Solids, Percent	90.7	%

Sample: MC24774-4 **Analyzed:** 03-OCT-13 by HS **Method:** SM21 2540 B MOD.
ClientID: EPT-SB-LASA405-85

Wet Weight (Total)	40.51	g
Tare Weight	26.089	g
Dry Weight (Total)	40.02	g
Solids, Percent	96.6	%

New England ACCUTEST LABORATORIES

02/04/14

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC24849

Sampling Dates: 09/25/13 - 09/26/13

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **529**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC24849

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC24849-1	09/25/13	14:35	MF	09/27/13	SO	Soil	EPT-SB-LASA412-0004
MC24849-5	09/26/13	08:15	MF	09/27/13	SO	Soil	EPT-SB-LASA416-4553
MC24849-6	09/26/13	10:00	MF	09/27/13	SO	Soil	EPT-SB-LASA417-0209
MC24849-7	09/26/13	10:10	MF	09/27/13	SO	Soil	EPT-SB-LASA418-13
MC24849-11	09/26/13	13:30	MF	09/27/13	SO	Soil	EPT-SB-LASA425-04
MC24849-12	09/26/13	13:30	MF	09/27/13	SO	Soil	EPT-SB-LASA425-10

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environmental & Energy **Job No** MC24849

Site: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, **Report Date** 10/9/2013 1:11:44 PM

6 Sample(s) were collected on between 09/25/2013 and 09/26/2013 and were received at Accutest on 09/27/2013 properly preserved, at 2.3 Deg. C and intact. These Samples received an Accutest job number of MC24849. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix SO **Batch ID:** MSM2080

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC24849-5MS, MC24849-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- MSM2080-BS Recovery(s) for Bromomethane, Carbon tetrachloride, Chloroethane, Chloromethane, Methylene chloride are outside control limits. Blank Spike meets program technical requirements.
- MSM2080-BS Recovery(s) for 1,1,1-Trichloroethane, 1,1-Dichloroethane, Chloroform, Trichlorofluoromethane are outside control limits. Associated samples are non-detect for this compound.
- Matrix Spike Recovery(s) for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Acetone are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for 2-Butanone (MEK), 2-Hexanone, 4-Methyl-2-pentanone (MIBK), Acetone, 1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- RPD(s) for MSD for 1,1,2,2-Tetrachloroethane, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane are outside control limits for sample MC24849-5MSD. High RPD due to possible matrix interference and/or sample non-homogeneity.

Matrix SO **Batch ID:** MSM2081

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC24849-1MS, MC24849-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Chlorobenzene, Cyclohexane, Ethylbenzene, Isopropylbenzene, Styrene, Tetrachloroethene, Xylene (total) are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Butanone (MEK), 2-Hexanone, Chlorobenzene, Cyclohexane, Ethylbenzene, Isopropylbenzene, Styrene, Tetrachloroethene, Xylene (total) are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.

Extractables by GCMS By Method SW846 8270C

Matrix SO **Batch ID:** OP35125

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) MC24922-1MS, MC24922-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Hexachlorocyclopentadiene are outside control limits. Blank Spike meets program technical requirements.
- Matrix Spike Recovery(s) for Benzaldehyde, Hexachlorocyclopentadiene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for Benzaldehyde, Hexachloroethane, Hexachlorocyclopentadiene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- RPD(s) for MSD for Hexachlorocyclopentadiene are outside control limits for sample OP35125-MSD. High RPD due to possible matrix interference and/or sample non-homogeneity.

Metals By Method SW846 6010C

Matrix SO **Batch ID:** MP21767

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC24726-2SDL, MC24726-2MSD, MC24726-2SDL were used as the QC samples for metals.
- Matrix Spike Duplicate Recovery(s) for Arsenic, Lead are outside control limits. Spike duplicate recovery indicates possible matrix interference and/or sample nonhomogeneity.
- RPD(s) for Serial Dilution for Selenium, Silver are outside control limits for sample MP21767-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP21767-SD1 for Cadmium: Serial dilution indicates possible matrix interference.

Metals By Method SW846 7471B

Matrix SO **Batch ID:** MP21765

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC24726-2MS, MC24726-2MSD were used as the QC samples for metals.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix SO **Batch ID:** GN44548

- Sample(s) JB46929-9UDUP were used as the QC samples for Solids, Percent.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC24849).

Summary of Hits

Job Number: MC24849
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 09/25/13 thru 09/26/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC24849-1	**EPT-SB-LASA412-0004**					
Acetone		41.5	12	4.5	ug/kg	SW846 8260B
Benzene		0.35 J	0.58	0.29	ug/kg	SW846 8260B
Carbon disulfide		1.3 J	5.8	0.18	ug/kg	SW846 8260B
1,1-Dichloroethane		0.99 J	2.3	0.39	ug/kg	SW846 8260B
Methylene chloride		2.0 J	2.3	1.8	ug/kg	SW846 8260B
Toluene		0.99 J	5.8	0.28	ug/kg	SW846 8260B
Xylene (total)		0.71 J	2.3	0.24	ug/kg	SW846 8260B
Total TIC, Volatile		75.8 J			ug/kg	
MC24849-5	**EPT-SB-LASA416-4553**					
Carbon disulfide		1.5 J	6.8	0.21	ug/kg	SW846 8260B
Methylene chloride		2.2 J	2.7	2.1	ug/kg	SW846 8260B
Toluene		0.54 J	6.8	0.33	ug/kg	SW846 8260B
Total TIC, Volatile		14 J			ug/kg	
MC24849-6	**EPT-SB-LASA417-0209**					
Carbon disulfide		0.60 J	5.1	0.15	ug/kg	SW846 8260B
Total TIC, Volatile		21.8 J			ug/kg	
MC24849-7	**EPT-SB-LASA418-13**					
Acetone		221	10	4.1	ug/kg	SW846 8260B
Carbon disulfide		2.9 J	5.2	0.16	ug/kg	SW846 8260B
Methylene chloride		2.1	2.1	1.6	ug/kg	SW846 8260B
Total TIC, Volatile		586 J			ug/kg	
Acenaphthene		124	110	15	ug/kg	SW846 8270C
Benzo(a)anthracene		52.4 J	110	15	ug/kg	SW846 8270C
Chrysene		103 J	110	14	ug/kg	SW846 8270C
Dibenzofuran		114	110	16	ug/kg	SW846 8270C
Fluoranthene		66.9 J	110	16	ug/kg	SW846 8270C
Fluorene		242	110	15	ug/kg	SW846 8270C
N-Nitrosodiphenylamine		492	290	17	ug/kg	SW846 8270C
Phenanthrene		268	110	16	ug/kg	SW846 8270C
Pyrene		501	110	13	ug/kg	SW846 8270C
Total TIC, Semi-Volatile		8860 J			ug/kg	
MC24849-11	**EPT-SB-LASA425-04**					
Arsenic		20.5	1.3	0.27	mg/kg	SW846 6010C
Barium		969	6.5	0.095	mg/kg	SW846 6010C
Cadmium		3.0	0.52	0.055	mg/kg	SW846 6010C

Summary of Hits

Job Number: MC24849
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 09/25/13 thru 09/26/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chromium		120	1.3	0.12	mg/kg	SW846 6010C
Lead		208	1.3	0.22	mg/kg	SW846 6010C
Mercury		0.41	0.042	0.012	mg/kg	SW846 7471B
Selenium		0.82 B	1.3	0.45	mg/kg	SW846 6010C
MC24849-12	**EPT-SB-LASA425-10**					
Acetone		297	12	4.8	ug/kg	SW846 8260B
Benzene		0.68	0.62	0.30	ug/kg	SW846 8260B
Carbon disulfide		62.4	6.2	0.19	ug/kg	SW846 8260B
Ethylbenzene		0.33 J	2.5	0.22	ug/kg	SW846 8260B
Methylene chloride		2.2 J	2.5	1.9	ug/kg	SW846 8260B
Toluene		0.85 J	6.2	0.30	ug/kg	SW846 8260B
1,1,2-Trichloroethane		2.1 J	2.5	0.43	ug/kg	SW846 8260B
Total TIC, Volatile		253.2 J			ug/kg	

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@146686 17:18 04-Feb-2014

Report of Analysis

Client Sample ID:	EPT-SB-LASA412-0004		
Lab Sample ID:	MC24849-1	**Date Sampled:**	09/25/13
Matrix:	SO - Soil	**Date Received:**	09/27/13
Method:	SW846 8260B	**Percent Solids:**	91.3
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M60028.D	1	10/07/13	KD	n/a	n/a	MSM2081
Run #2							

	Initial Weight	Final Volume
Run #1	4.70 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	41.5	12	4.5	ug/kg	
71-43-2	Benzene	0.35	0.58	0.29	ug/kg	J
75-27-4	Bromodichloromethane	ND	2.3	0.42	ug/kg	
75-25-2	Bromoform	ND	2.3	0.34	ug/kg	
74-83-9	Bromomethane	ND	2.3	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.8	3.6	ug/kg	
75-15-0	Carbon disulfide	1.3	5.8	0.18	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.3	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.31	ug/kg	
75-00-3	Chloroethane	ND	5.8	0.70	ug/kg	
67-66-3	Chloroform	ND	2.3	0.34	ug/kg	
74-87-3	Chloromethane	ND	5.8	1.4	ug/kg	
110-82-7	Cyclohexane	ND	5.8	0.31	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.50	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.3	0.66	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.3	0.24	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.3	0.26	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.3	0.24	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.3	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	0.99	2.3	0.39	ug/kg	J
107-06-2	1,2-Dichloroethane	ND	2.3	0.63	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.3	0.61	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.3	0.59	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.3	0.52	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.49	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.34	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.34	ug/kg	
100-41-4	Ethylbenzene	ND	2.3	0.21	ug/kg	
76-13-1	Freon 113	ND	5.8	1.1	ug/kg	
591-78-6	2-Hexanone	ND	5.8	2.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.8	0.32	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-SB-LASA412-0004		
Lab Sample ID:	MC24849-1	**Date Sampled:**	09/25/13
Matrix:	SO - Soil	**Date Received:**	09/27/13
Method:	SW846 8260B	**Percent Solids:**	91.3
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.8	3.2	ug/kg	
108-87-2	Methylcyclohexane	ND	5.8	0.25	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.3	0.46	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.8	2.2	ug/kg	
75-09-2	Methylene chloride	2.0	2.3	1.8	ug/kg	J
100-42-5	Styrene	ND	5.8	0.24	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.34	ug/kg	
127-18-4	Tetrachloroethene	ND	2.3	0.52	ug/kg	
108-88-3	Toluene	0.99	5.8	0.28	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	0.42	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.21	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.40	ug/kg	
79-01-6	Trichloroethene	ND	2.3	0.55	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.3	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	0.66	ug/kg	
1330-20-7	Xylene (total)	0.71	2.3	0.24	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		70-130%
2037-26-5	Toluene-D8	81%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-18-5	Decane	16.70	9	ug/kg	JN
112-40-3	Dodecane	17.86	12	ug/kg	JN
6044-71-9	Dodecane, 6-methyl-	18.04	11	ug/kg	JN
629-50-5	Tridecane	18.98	36	ug/kg	JN
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	19.93	7.8	ug/kg	JN
	Total TIC, Volatile		75.8	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	EPT-SB-LASA416-4553		
Lab Sample ID:	MC24849-5	**Date Sampled:**	09/26/13
Matrix:	SO - Soil	**Date Received:**	09/27/13
Method:	SW846 8260B	**Percent Solids:**	78.0
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M60006.D	1	10/07/13	KD	n/a	n/a	MSM2080
Run #2							

	Initial Weight	Final Volume
Run #1	4.71 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	14	5.3	ug/kg	
71-43-2	Benzene	ND	0.68	0.34	ug/kg	
75-27-4	Bromodichloromethane	ND	2.7	0.49	ug/kg	
75-25-2	Bromoform	ND	2.7	0.40	ug/kg	
74-83-9	Bromomethane	ND	2.7	1.3	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.8	4.2	ug/kg	
75-15-0	Carbon disulfide	1.5	6.8	0.21	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.7	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	2.7	0.37	ug/kg	
75-00-3	Chloroethane	ND	6.8	0.81	ug/kg	
67-66-3	Chloroform	ND	2.7	0.39	ug/kg	
74-87-3	Chloromethane	ND	6.8	1.7	ug/kg	
110-82-7	Cyclohexane	ND	6.8	0.36	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.8	2.8	ug/kg	
124-48-1	Dibromochloromethane	ND	2.7	0.58	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.7	0.77	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.7	0.28	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.7	0.30	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.7	0.28	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.7	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.7	0.45	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.7	0.74	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.7	0.71	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.7	0.69	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.7	0.61	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.7	0.57	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.7	0.39	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.7	0.40	ug/kg	
100-41-4	Ethylbenzene	ND	2.7	0.24	ug/kg	
76-13-1	Freon 113	ND	6.8	1.2	ug/kg	
591-78-6	2-Hexanone	ND	6.8	3.3	ug/kg	
98-82-8	Isopropylbenzene	ND	6.8	0.38	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-SB-LASA416-4553		
Lab Sample ID:	MC24849-5	**Date Sampled:**	09/26/13
Matrix:	SO - Soil	**Date Received:**	09/27/13
Method:	SW846 8260B	**Percent Solids:**	78.0
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.8	3.8	ug/kg	
108-87-2	Methylcyclohexane	ND	6.8	0.29	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.7	0.54	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.8	2.5	ug/kg	
75-09-2	Methylene chloride	2.2	2.7	2.1	ug/kg	J
100-42-5	Styrene	ND	6.8	0.28	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.7	0.40	ug/kg	
127-18-4	Tetrachloroethene	ND	2.7	0.60	ug/kg	
108-88-3	Toluene	0.54	6.8	0.33	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	6.8	0.49	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.7	0.25	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.7	0.47	ug/kg	
79-01-6	Trichloroethene	ND	2.7	0.64	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.7	1.4	ug/kg	
75-01-4	Vinyl chloride	ND	2.7	0.77	ug/kg	
1330-20-7	Xylene (total)	ND	2.7	0.28	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		70-130%
2037-26-5	Toluene-D8	85%		70-130%
460-00-4	4-Bromofluorobenzene	90%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
67-63-0	Isopropyl Alcohol	6.36	14	ug/kg	JN
	Total TIC, Volatile		14	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	EPT-SB-LASA417-0209		
Lab Sample ID:	MC24849-6	**Date Sampled:**	09/26/13
Matrix:	SO - Soil	**Date Received:**	09/27/13
Method:	SW846 8260B	**Percent Solids:**	86.9
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M60007.D	1	10/07/13	KD	n/a	n/a	MSM2080
Run #2							

	Initial Weight	Final Volume
Run #1	5.69 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.9	ug/kg	
71-43-2	Benzene	ND	0.51	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.37	ug/kg	
75-25-2	Bromoform	ND	2.0	0.29	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.98	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.1	3.1	ug/kg	
75-15-0	Carbon disulfide	0.60	5.1	0.15	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.1	0.61	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.1	1.2	ug/kg	
110-82-7	Cyclohexane	ND	5.1	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.23	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.34	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.55	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.53	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.43	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.1	0.93	ug/kg	
591-78-6	2-Hexanone	ND	5.1	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	5.1	0.28	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-SB-LASA417-0209		
Lab Sample ID:	MC24849-6	**Date Sampled:**	09/26/13
Matrix:	SO - Soil	**Date Received:**	09/27/13
Method:	SW846 8260B	**Percent Solids:**	86.9
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.1	2.8	ug/kg	
108-87-2	Methylcyclohexane	ND	5.1	0.22	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.1	1.9	ug/kg	
75-09-2	Methylene chloride	ND	2.0	1.6	ug/kg	
100-42-5	Styrene	ND	5.1	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.30	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.45	ug/kg	
108-88-3	Toluene	ND	5.1	0.25	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	0.37	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.48	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	1.1	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.58	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		70-130%
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	90%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
67-63-0	Isopropyl Alcohol	6.39	3.8	ug/kg	JN
629-59-4	Tetradecane	18.97	18	ug/kg	JN
	Total TIC, Volatile		21.8	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: EPT-SB-LASA417-0209
Lab Sample ID: MC24849-6 **Date Sampled:** 09/26/13
Matrix: SO - Soil **Date Received:** 09/27/13
Method: SW846 8270C SW846 3546 **Percent Solids:** 86.9
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R34049.D	1	10/07/13	KR	10/04/13	OP35125	MSR1238
Run #2							

	Initial Weight	Final Volume
Run #1	20.9 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	270	12	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	550	14	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	550	16	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	550	90	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	550	69	ug/kg	
95-48-7	2-Methylphenol	ND	550	22	ug/kg	
	3&4-Methylphenol	ND	550	27	ug/kg	
88-75-5	2-Nitrophenol	ND	550	15	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	100	ug/kg	
87-86-5	Pentachlorophenol	ND	550	39	ug/kg	
108-95-2	Phenol	ND	270	16	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	550	14	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	550	14	ug/kg	
83-32-9	Acenaphthene	ND	110	15	ug/kg	
208-96-8	Acenaphthylene	ND	110	11	ug/kg	
98-86-2	Acetophenone	ND	550	12	ug/kg	
120-12-7	Anthracene	ND	110	13	ug/kg	
1912-24-9	Atrazine	ND	550	550	ug/kg	
100-52-7	Benzaldehyde	ND	550	550	ug/kg	
56-55-3	Benzo(a)anthracene	ND	110	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	110	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	110	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	110	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	110	17	ug/kg	
92-52-4	1,1'-Biphenyl	ND	550	110	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	270	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	270	11	ug/kg	
105-60-2	Caprolactam	ND	550	550	ug/kg	
91-58-7	2-Chloronaphthalene	ND	270	15	ug/kg	
106-47-8	4-Chloroaniline	ND	550	14	ug/kg	
86-74-8	Carbazole	ND	110	13	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-SB-LASA417-0209		
Lab Sample ID:	MC24849-6	**Date Sampled:**	09/26/13
Matrix:	SO - Soil	**Date Received:**	09/27/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	86.9
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	110	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	270	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	270	17	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	270	20	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	270	17	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	550	37	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	550	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	270	27	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	110	13	ug/kg	
132-64-9	Dibenzofuran	ND	110	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	270	29	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	270	8.6	ug/kg	
84-66-2	Diethyl phthalate	ND	270	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	270	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	270	10	ug/kg	
206-44-0	Fluoranthene	ND	110	15	ug/kg	
86-73-7	Fluorene	ND	110	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	270	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	270	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	550	140	ug/kg	
67-72-1	Hexachloroethane	ND	270	13	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	110	12	ug/kg	
78-59-1	Isophorone	ND	270	13	ug/kg	
91-57-6	2-Methylnaphthalene	ND	110	14	ug/kg	
88-74-4	2-Nitroaniline	ND	550	14	ug/kg	
99-09-2	3-Nitroaniline	ND	550	30	ug/kg	
100-01-6	4-Nitroaniline	ND	550	14	ug/kg	
91-20-3	Naphthalene	ND	110	18	ug/kg	
98-95-3	Nitrobenzene	ND	270	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	270	16	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	270	17	ug/kg	
85-01-8	Phenanthrene	ND	110	15	ug/kg	
129-00-0	Pyrene	ND	110	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	61%		30-130%
4165-62-2	Phenol-d5	63%		30-130%
118-79-6	2,4,6-Tribromophenol	64%		30-130%
4165-60-0	Nitrobenzene-d5	46%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-SB-LASA417-0209		
Lab Sample ID:	MC24849-6	**Date Sampled:**	09/26/13
Matrix:	SO - Soil	**Date Received:**	09/27/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	86.9
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	62%		30-130%
1718-51-0	Terphenyl-d14	71%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	EPT-SB-LASA418-13		
Lab Sample ID:	MC24849-7	**Date Sampled:**	09/26/13
Matrix:	SO - Soil	**Date Received:**	09/27/13
Method:	SW846 8260B	**Percent Solids:**	86.0
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M60009.D	1	10/07/13	KD	n/a	n/a	MSM2080
Run #2							

	Initial Weight	Final Volume
Run #1	5.56 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	221	10	4.1	ug/kg	
71-43-2	Benzene	ND	0.52	0.26	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.38	ug/kg	
75-25-2	Bromoform	ND	2.1	0.30	ug/kg	
74-83-9	Bromomethane	ND	2.1	1.0	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.2	3.2	ug/kg	
75-15-0	Carbon disulfide	2.9	5.2	0.16	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.1	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.28	ug/kg	
75-00-3	Chloroethane	ND	5.2	0.63	ug/kg	
67-66-3	Chloroform	ND	2.1	0.30	ug/kg	
74-87-3	Chloromethane	ND	5.2	1.3	ug/kg	
110-82-7	Cyclohexane	ND	5.2	0.28	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.2	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.44	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.1	0.59	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.1	0.22	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.1	0.23	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.1	0.21	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.1	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.1	0.35	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.1	0.57	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.1	0.55	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.1	0.53	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.1	0.47	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.44	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.30	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.31	ug/kg	
100-41-4	Ethylbenzene	ND	2.1	0.19	ug/kg	
76-13-1	Freon 113	ND	5.2	0.96	ug/kg	
591-78-6	2-Hexanone	ND	5.2	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	5.2	0.29	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-SB-LASA418-13		
Lab Sample ID:	MC24849-7	**Date Sampled:**	09/26/13
Matrix:	SO - Soil	**Date Received:**	09/27/13
Method:	SW846 8260B	**Percent Solids:**	86.0
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.2	2.9	ug/kg	
108-87-2	Methylcyclohexane	ND	5.2	0.22	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.1	0.41	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.2	1.9	ug/kg	
75-09-2	Methylene chloride	2.1	2.1	1.6	ug/kg	
100-42-5	Styrene	ND	5.2	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.31	ug/kg	
127-18-4	Tetrachloroethene	ND	2.1	0.46	ug/kg	
108-88-3	Toluene	ND	5.2	0.25	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	0.38	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.19	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.36	ug/kg	
79-01-6	Trichloroethene	ND	2.1	0.50	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.1	1.1	ug/kg	
75-01-4	Vinyl chloride	ND	2.1	0.60	ug/kg	
1330-20-7	Xylene (total)	ND	2.1	0.21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		70-130%
2037-26-5	Toluene-D8	85%		70-130%
460-00-4	4-Bromofluorobenzene	90%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
67-63-0	Isopropyl Alcohol	6.37	9.5	ug/kg	JN
3728-56-1	1-Ethyl-4-methylcyclohexane	14.44	5.3	ug/kg	JN
556-67-2	Cyclotetrasiloxane, octamethyl-	14.94	9.2	ug/kg	JN
17302-28-2	Nonane, 2,6-dimethyl-	15.76	10	ug/kg	JN
91-17-8	Naphthalene, decahydro-	16.76	61	ug/kg	JN
17312-54-8	Decane, 3,7-dimethyl-	17.08	18	ug/kg	JN
14676-29-0	Heptane, 3-ethyl-2-methyl-	17.36	17	ug/kg	JN
89-82-7	Pulegone	17.47	60	ug/kg	JN
17301-23-4	Undecane, 2,6-dimethyl-	18.04	10	ug/kg	JN
4132-72-3	Benzene, 1,4-dimethyl-2-(1-methyle	18.30	58	ug/kg	JN
20836-11-7	1H-Indene,2,3-dihydro-2,2-dimethyl	18.42	91	ug/kg	JN
54340-88-4	1H-Indene, 2,3-dihydro-1,5,7-trime	18.63	40	ug/kg	JN
67652-84-0	3,5-Octadiene, 4,5-diethyl-	18.85	70	ug/kg	JN
54340-85-1	Benzene, 1-(2-butenyl)-2,3-dimethy	19.35	59	ug/kg	JN
1129-29-9	Benzene, 1-(1-methylethenyl)-3-(1-methyl	19.52	68	ug/kg	JN

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-SB-LASA418-13		
Lab Sample ID:	MC24849-7	**Date Sampled:**	09/26/13
Matrix:	SO - Soil	**Date Received:**	09/27/13
Method:	SW846 8260B	**Percent Solids:**	86.0
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		586	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: EPT-SB-LASA418-13
Lab Sample ID: MC24849-7 **Date Sampled:** 09/26/13
Matrix: SO - Soil **Date Received:** 09/27/13
Method: SW846 8270C SW846 3546 **Percent Solids:** 86.0
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R34050.D	1	10/07/13	KR	10/04/13	OP35125	MSR1238
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	290	13	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	570	15	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	570	17	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	570	93	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	570	72	ug/kg	
95-48-7	2-Methylphenol	ND	570	23	ug/kg	
	3&4-Methylphenol	ND	570	28	ug/kg	
88-75-5	2-Nitrophenol	ND	570	15	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	110	ug/kg	
87-86-5	Pentachlorophenol	ND	570	40	ug/kg	
108-95-2	Phenol	ND	290	16	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	570	14	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	570	14	ug/kg	
83-32-9	Acenaphthene	124	110	15	ug/kg	
208-96-8	Acenaphthylene	ND	110	11	ug/kg	
98-86-2	Acetophenone	ND	570	13	ug/kg	
120-12-7	Anthracene	ND	110	14	ug/kg	
1912-24-9	Atrazine	ND	570	570	ug/kg	
100-52-7	Benzaldehyde	ND	570	570	ug/kg	
56-55-3	Benzo(a)anthracene	52.4	110	15	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	110	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	110	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	110	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	110	17	ug/kg	
92-52-4	1,1'-Biphenyl	ND	570	110	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	290	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	290	12	ug/kg	
105-60-2	Caprolactam	ND	570	570	ug/kg	
91-58-7	2-Chloronaphthalene	ND	290	16	ug/kg	
106-47-8	4-Chloroaniline	ND	570	14	ug/kg	
86-74-8	Carbazole	ND	110	14	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: EPT-SB-LASA418-13
Lab Sample ID: MC24849-7 **Date Sampled:** 09/26/13
Matrix: SO - Soil **Date Received:** 09/27/13
Method: SW846 8270C SW846 3546 **Percent Solids:** 86.0
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	103	110	14	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	290	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	290	17	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	290	21	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	290	18	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	570	38	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	570	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	290	29	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	110	14	ug/kg	
132-64-9	Dibenzofuran	114	110	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	290	30	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	290	8.9	ug/kg	
84-66-2	Diethyl phthalate	ND	290	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	290	17	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	290	11	ug/kg	
206-44-0	Fluoranthene	66.9	110	16	ug/kg	J
86-73-7	Fluorene	242	110	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	290	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	570	140	ug/kg	
67-72-1	Hexachloroethane	ND	290	14	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	110	13	ug/kg	
78-59-1	Isophorone	ND	290	13	ug/kg	
91-57-6	2-Methylnaphthalene	ND	110	15	ug/kg	
88-74-4	2-Nitroaniline	ND	570	14	ug/kg	
99-09-2	3-Nitroaniline	ND	570	31	ug/kg	
100-01-6	4-Nitroaniline	ND	570	14	ug/kg	
91-20-3	Naphthalene	ND	110	18	ug/kg	
98-95-3	Nitrobenzene	ND	290	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	290	16	ug/kg	
86-30-6	N-Nitrosodiphenylamine	492	290	17	ug/kg	
85-01-8	Phenanthrene	268	110	16	ug/kg	
129-00-0	Pyrene	501	110	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	51%		30-130%
4165-62-2	Phenol-d5	53%		30-130%
118-79-6	2,4,6-Tribromophenol	52%		30-130%
4165-60-0	Nitrobenzene-d5	47%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-SB-LASA418-13		
Lab Sample ID:	MC24849-7	**Date Sampled:**	09/26/13
Matrix:	SO - Soil	**Date Received:**	09/27/13
Method:	SW846 8270C SW846 3546	**Percent Solids:**	86.0
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	57%		30-130%
1718-51-0	Terphenyl-d14	64%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
2958-75-0	1-Methyldecahydronaphthalene	4.51	840	ug/kg	JN
17301-28-9	Undecane, 3,6-dimethyl-	4.92	1500	ug/kg	JN
581-42-0	Naphthalene, 2,6-dimethyl-	6.15	1300	ug/kg	JN
2245-38-7	Naphthalene, 1,6,7-trimethyl-	6.63	1800	ug/kg	JN
829-26-5	Naphthalene, 2,3,6-trimethyl-	6.70	1400	ug/kg	JN
31317-07-4	1-Methyldibenzothiophene	8.03	920	ug/kg	JN
3674-66-6	Phenanthrene, 2,5-dimethyl-	8.82	1100	ug/kg	JN
	Total TIC, Semi-Volatile		8860	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: EPT-SB-LASA425-04
Lab Sample ID: MC24849-11
Matrix: SO - Soil
Date Sampled: 09/26/13
Date Received: 09/27/13
Percent Solids: 73.6
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	20.5	1.3	0.27	mg/kg	1	10/04/13	10/06/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	969	6.5	0.095	mg/kg	1	10/04/13	10/06/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	3.0	0.52	0.055	mg/kg	1	10/04/13	10/06/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	120	1.3	0.12	mg/kg	1	10/04/13	10/06/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	208	1.3	0.22	mg/kg	1	10/04/13	10/06/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.41	0.042	0.012	mg/kg	1	10/05/13	10/07/13	SA	SW846 7471B [1]	SW846 7471B [3]
Selenium	0.82 B	1.3	0.45	mg/kg	1	10/04/13	10/06/13	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	0.16 U	0.65	0.16	mg/kg	1	10/04/13	10/06/13	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA16192
(2) Instrument QC Batch: MA16200
(3) Prep QC Batch: MP21765
(4) Prep QC Batch: MP21767

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest LabLink@146686 17:18 04-Feb-2014

Report of Analysis

Client Sample ID:	EPT-SB-LASA425-10		
Lab Sample ID:	MC24849-12	**Date Sampled:**	09/26/13
Matrix:	SO - Soil	**Date Received:**	09/27/13
Method:	SW846 8260B	**Percent Solids:**	86.6
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M60008.D	1	10/07/13	KD	n/a	n/a	MSM2080
Run #2							

	Initial Weight	Final Volume
Run #1	4.69 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	297	12	4.8	ug/kg	
71-43-2	Benzene	0.68	0.62	0.30	ug/kg	
75-27-4	Bromodichloromethane	ND	2.5	0.45	ug/kg	
75-25-2	Bromoform	ND	2.5	0.36	ug/kg	
74-83-9	Bromomethane	ND	2.5	1.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.2	3.8	ug/kg	
75-15-0	Carbon disulfide	62.4	6.2	0.19	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.5	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	2.5	0.33	ug/kg	
75-00-3	Chloroethane	ND	6.2	0.74	ug/kg	
67-66-3	Chloroform	ND	2.5	0.35	ug/kg	
74-87-3	Chloromethane	ND	6.2	1.5	ug/kg	
110-82-7	Cyclohexane	ND	6.2	0.33	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	2.5	0.52	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.5	0.70	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.26	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.27	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.25	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.5	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.5	0.41	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.5	0.67	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.5	0.64	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.63	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.55	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.5	0.52	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.36	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.36	ug/kg	
100-41-4	Ethylbenzene	0.33	2.5	0.22	ug/kg	J
76-13-1	Freon 113	ND	6.2	1.1	ug/kg	
591-78-6	2-Hexanone	ND	6.2	3.0	ug/kg	
98-82-8	Isopropylbenzene	ND	6.2	0.34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-SB-LASA425-10		
Lab Sample ID:	MC24849-12	**Date Sampled:**	09/26/13
Matrix:	SO - Soil	**Date Received:**	09/27/13
Method:	SW846 8260B	**Percent Solids:**	86.6
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.2	3.4	ug/kg	
108-87-2	Methylcyclohexane	ND	6.2	0.26	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.5	0.49	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.2	2.3	ug/kg	
75-09-2	Methylene chloride	2.2	2.5	1.9	ug/kg	J
100-42-5	Styrene	ND	6.2	0.25	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.36	ug/kg	
127-18-4	Tetrachloroethene	ND	2.5	0.54	ug/kg	
108-88-3	Toluene	0.85	6.2	0.30	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	0.45	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.22	ug/kg	
79-00-5	1,1,2-Trichloroethane	2.1	2.5	0.43	ug/kg	J
79-01-6	Trichloroethene	ND	2.5	0.58	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.5	1.3	ug/kg	
75-01-4	Vinyl chloride	ND	2.5	0.70	ug/kg	
1330-20-7	Xylene (total)	ND	2.5	0.25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		70-130%
2037-26-5	Toluene-D8	83%		70-130%
460-00-4	4-Bromofluorobenzene	95%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
1630-94-0	Cyclopropane, 1,1-dimethyl-	5.83	4.3	ug/kg	JN
78-78-4	Butane, 2-methyl-	6.07	17	ug/kg	JN
1191-96-4	Cyclopropane, ethyl-	6.34	11	ug/kg	JN
627-20-3	2-Pentene, (Z)-	6.65	15	ug/kg	JN
107-83-5	Pentane, 2-methyl-	7.84	30	ug/kg	JN
96-14-0	Pentane, 3-methyl-	8.15	22	ug/kg	JN
592-41-6	1-Hexene	8.29	11	ug/kg	JN
110-54-3	Hexane	8.46	39	ug/kg	JN
592-43-8	2-Hexene	8.58	18	ug/kg	JN
7688-21-3	2-Hexene, (Z)-	8.80	8.4	ug/kg	JN
108-08-7	Pentane, 2,4-dimethyl-	9.87	17	ug/kg	JN
14686-13-6	2-Heptene, (E)-	10.64	8.5	ug/kg	JN
7642-15-1	4-Octene, (Z)-	11.53	13	ug/kg	JN
592-27-8	Heptane, 2-methyl-	11.77	14	ug/kg	JN
111-65-9	Octane	12.36	14	ug/kg	JN

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-SB-LASA425-10		
Lab Sample ID:	MC24849-12	**Date Sampled:**	09/26/13
Matrix:	SO - Soil	**Date Received:**	09/27/13
Method:	SW846 8260B	**Percent Solids:**	86.6
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	19.93	11	ug/kg	JN
	Total TIC, Volatile		253.2	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY RECORD

Page 1 of 1

Project Number:	Site and Location:
4255	EPT Ithaca
Contact Name:	**Contact Email:**
Lisa Bryda	lisa.bryda@wspgroup.com
Sampler's Name:	**Sampler's Signature:**
M Fleming	Monika M Fleming

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Nº 03917

mc24849

Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	Requested Analyses									Remarks
EPT-SB-LASA412-0004	0-0.4 ft	092513	1435	S	1									-1	
EPT-SB-LASA413-2542	0.25-0.42	092513	1565	S	1									-2	
EPT-SB-LASA414-0005	0-0.5	092513	1615	S	1									-3	
EPT-SB-LASA415-4550	4.5-5	092613	0905		1	TBD								-4	
EPT-SB-LASA416-4553	4.5-5.3		0915		1									-5	
EPT-SB-LASA417-0209	0.2-0.9		1000		1									-6	
EPT-SB-LASA418-13	1.3		1010		1									-7	Refer to attached TO regarding deliverable requirements
EPT-SB-LASA419-1521	1.5-2.1		1020		1	Analyses								-8	
~~EPT-SB-LASA420-mc~~		↓		↓											
EPT-SB-LASA422-0002	0-0.2	092613	1238	S	1									-9	
EPT-SB-LASA424-1517	1.5-1.7	092613	1255	S	1									-10	
EPT-SB-LASA425-04	4	↓	1330	S	1	HOLD								-11	
EPT-SB-LASA425-10	10	↓	1330	S	1									-12	9F

Relinquished by (Signature): Monika M Fleming	092613 Date / Time	Received by (Signature): FedEx	Laboratory Name: Accutest
Relinquished by (Signature): FEDX	9-27-13 7:30 Date / Time	Received by (Signature):	Laboratory Location: Mass
Turn-Around Time:		Tracking Number:	Custody Seal Numbers: NA
			Method of Shipment: FedEx

2.7°c

WSP Environment & Energy

- [X] Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- [ ] Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- [ ] San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- [ ] New Jersey Office: 334 Elizabeth Ave., Somerset, NJ 08873 / Tel: 732-564-0888
- [ ] Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- [ ] Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- [ ] Boxborough Office: 1740 Massachusetts Ave., Boxborough, MA 01719 / Tel: 978-635-9600
- [ ] Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

MC24849: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC24849 **Client:** WSP **Immediate Client Services Action Required:** No

Date / Time Received: 9/27/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: 4255 **No. Coolers:** 0 **Airbill #'s:**

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	Infared gun	
3. Cooler media:	Ice (bag)	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☐	☑
2. Trip Blank listed on COC:	☐	☐	☑
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC24849: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC24849

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC24849-1	Collected: 25-SEP-13 14:35 By: MF		Received: 27-SEP-13 By: AF			
	EPT-SB-LASA412-0004					
MC24849-1	SM21 2540 B MOD.	03-OCT-13	HS			%SOL
MC24849-1	SW846 8260B	07-OCT-13 12:14	KD			V8260TCL42+
MC24849-5	Collected: 26-SEP-13 08:15 By: MF		Received: 27-SEP-13 By: AF			
	EPT-SB-LASA416-4553					
MC24849-5	SM21 2540 B MOD.	03-OCT-13	HS			%SOL
MC24849-5	SW846 8260B	07-OCT-13 00:27	KD			V8260TCL42+
MC24849-6	Collected: 26-SEP-13 10:00 By: MF		Received: 27-SEP-13 By: AF			
	EPT-SB-LASA417-0209					
MC24849-6	SM21 2540 B MOD.	03-OCT-13	HS			%SOL
MC24849-6	SW846 8260B	07-OCT-13 00:56	KD			V8260TCL42+
MC24849-6	SW846 8270C	07-OCT-13 17:21	KR	04-OCT-13	BJ	AB8270TCL42+
MC24849-7	Collected: 26-SEP-13 10:10 By: MF		Received: 27-SEP-13 By: AF			
	EPT-SB-LASA418-13					
MC24849-7	SM21 2540 B MOD.	03-OCT-13	HS			%SOL
MC24849-7	SW846 8260B	07-OCT-13 01:55	KD			V8260TCL42+
MC24849-7	SW846 8270C	07-OCT-13 17:44	KR	04-OCT-13	BJ	AB8270TCL42+
MC24849-11	Collected: 26-SEP-13 13:30 By: MF		Received: 27-SEP-13 By: AF			
	EPT-SB-LASA425-04					
MC24849-11	SM21 2540 B MOD.	03-OCT-13	HS			%SOL
MC24849-11	SW846 6010C	06-OCT-13 19:58	EAL	04-OCT-13	EAL	AG,AS,BA,CD,CR,PB,SE
MC24849-11	SW846 7471B	07-OCT-13 13:03	SA	05-OCT-13	EM	HG
MC24849-12	Collected: 26-SEP-13 13:30 By: MF		Received: 27-SEP-13 By: AF			
	EPT-SB-LASA425-10					
MC24849-12	SM21 2540 B MOD.	03-OCT-13	HS			%SOL
MC24849-12	SW846 8260B	07-OCT-13 01:25	KD			V8260TCL42+

Accutest Internal Chain of Custody

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 09/27/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC24849-1.1	Walk In Ref #5	Krysten Dufort	10/07/13 11:22	Retrieve from Storage
MC24849-1.1	Krysten Dufort	Walk In Ref #5	10/07/13 11:22	Return to Storage
MC24849-1.1	Scott Parsick		01/08/14 17:06	Disposed
MC24849-5.1	Walk In Ref #5	Krysten Dufort	10/07/13 11:22	Retrieve from Storage
MC24849-5.1	Krysten Dufort	Walk In Ref #5	10/07/13 11:22	Return to Storage
MC24849-5.1	Scott Parsick		01/08/14 17:06	Disposed
MC24849-6.1	Walk In Ref #9	Chris Cataldo	10/04/13 13:36	Retrieve from Storage
MC24849-6.1	Chris Cataldo	Walk In Ref #9	10/04/13 13:38	Return to Storage
MC24849-6.1	Walk In Ref #9	Chris Cataldo	10/04/13 13:40	Retrieve from Storage
MC24849-6.1	Chris Cataldo	Walk In Ref #9	10/04/13 13:46	Return to Storage
MC24849-6.1	Scott Parsick		01/08/14 17:06	Disposed
MC24849-7.1	Walk In Ref #9	Chris Cataldo	10/04/13 13:36	Retrieve from Storage
MC24849-7.1	Chris Cataldo	Walk In Ref #9	10/04/13 13:38	Return to Storage
MC24849-7.1	Walk In Ref #9	Chris Cataldo	10/04/13 13:40	Retrieve from Storage
MC24849-7.1	Chris Cataldo	Walk In Ref #9	10/04/13 13:46	Return to Storage
MC24849-7.1	Scott Parsick		01/08/14 17:06	Disposed

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2080-MB	M60003.D	1	10/06/13	KD	n/a	n/a	MSM2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24849-5, MC24849-6, MC24849-7, MC24849-12

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.9	ug/kg	
71-43-2	Benzene	ND	0.50	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.36	ug/kg	
75-25-2	Bromoform	ND	2.0	0.29	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.97	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.2	ug/kg	
110-82-7	Cyclohexane	ND	5.0	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.52	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.0	0.92	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.28	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.8	ug/kg	
108-87-2	Methylcyclohexane	ND	5.0	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.8	ug/kg	

Method Blank Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2080-MB	M60003.D	1	10/06/13	KD	n/a	n/a	MSM2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24849-5, MC24849-6, MC24849-7, MC24849-12

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	1.5	ug/kg	
100-42-5	Styrene	ND	5.0	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.44	ug/kg	
108-88-3	Toluene	ND	5.0	0.24	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.47	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.20	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	86%	70-130%
2037-26-5	Toluene-D8	84%	70-130%
460-00-4	4-Bromofluorobenzene	91%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2081-MB	M60026.D	1	10/07/13	KD	n/a	n/a	MSM2081

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24849-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.9	ug/kg	
71-43-2	Benzene	ND	0.50	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.36	ug/kg	
75-25-2	Bromoform	ND	2.0	0.29	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.97	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.2	ug/kg	
110-82-7	Cyclohexane	ND	5.0	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.52	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.0	0.92	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.28	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.8	ug/kg	
108-87-2	Methylcyclohexane	ND	5.0	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.8	ug/kg	

Method Blank Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2081-MB	M60026.D	1	10/07/13	KD	n/a	n/a	MSM2081

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24849-1

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	1.5	ug/kg	
100-42-5	Styrene	ND	5.0	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.44	ug/kg	
108-88-3	Toluene	ND	5.0	0.24	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.47	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.20	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	82%	70-130%
2037-26-5	Toluene-D8	83%	70-130%
460-00-4	4-Bromofluorobenzene	93%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2080-MB1	M60026.D	1	10/07/13	KD	n/a	n/a	MSM2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24849-5MSD

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.9	ug/kg	
71-43-2	Benzene	ND	0.50	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.36	ug/kg	
75-25-2	Bromoform	ND	2.0	0.29	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.97	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.2	ug/kg	
110-82-7	Cyclohexane	ND	5.0	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.52	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.0	0.92	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.28	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.8	ug/kg	
108-87-2	Methylcyclohexane	ND	5.0	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.8	ug/kg	

Method Blank Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2080-MB1	M60026.D	1	10/07/13	KD	n/a	n/a	MSM2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24849-5MSD

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	1.5	ug/kg	
100-42-5	Styrene	ND	5.0	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.44	ug/kg	
108-88-3	Toluene	ND	5.0	0.24	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.47	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.20	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	82%	70-130%
2037-26-5	Toluene-D8	83%	70-130%
460-00-4	4-Bromofluorobenzene	93%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2080-BS	M60000.D	1	10/06/13	KD	n/a	n/a	MSM2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24849-5, MC24849-6, MC24849-7, MC24849-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	47.2	94	70-130
71-43-2	Benzene	50	57.7	115	70-130
75-27-4	Bromodichloromethane	50	60.1	120	70-130
75-25-2	Bromoform	50	57.6	115	70-130
74-83-9	Bromomethane	50	65.5	131* [a]	70-130
78-93-3	2-Butanone (MEK)	50	57.3	115	70-130
75-15-0	Carbon disulfide	50	59.3	119	70-130
56-23-5	Carbon tetrachloride	50	66.2	132* [a]	70-130
108-90-7	Chlorobenzene	50	52.6	105	70-130
75-00-3	Chloroethane	50	68.1	136* [a]	70-130
67-66-3	Chloroform	50	67.8	136* [b]	70-130
74-87-3	Chloromethane	50	70.6	141* [a]	70-130
110-82-7	Cyclohexane	50	56.4	113	70-130
96-12-8	1,2-Dibromo-3-chloropropane	50	48.1	96	70-130
124-48-1	Dibromochloromethane	50	55.5	111	70-130
106-93-4	1,2-Dibromoethane	50	54.4	109	70-130
95-50-1	1,2-Dichlorobenzene	50	51.9	104	70-130
541-73-1	1,3-Dichlorobenzene	50	53.4	107	70-130
106-46-7	1,4-Dichlorobenzene	50	56.0	112	70-130
75-71-8	Dichlorodifluoromethane	50	62.3	125	70-130
75-34-3	1,1-Dichloroethane	50	69.2	138* [b]	70-130
107-06-2	1,2-Dichloroethane	50	58.5	117	70-130
75-35-4	1,1-Dichloroethene	50	59.8	120	70-130
156-59-2	cis-1,2-Dichloroethene	50	61.5	123	70-130
156-60-5	trans-1,2-Dichloroethene	50	63.0	126	70-130
78-87-5	1,2-Dichloropropane	50	57.0	114	70-130
10061-01-5	cis-1,3-Dichloropropene	50	56.0	112	70-130
10061-02-6	trans-1,3-Dichloropropene	50	59.5	119	70-130
100-41-4	Ethylbenzene	50	54.5	109	70-130
76-13-1	Freon 113	50	60.7	121	70-130
591-78-6	2-Hexanone	50	52.0	104	70-130
98-82-8	Isopropylbenzene	50	53.5	107	70-130
79-20-9	Methyl Acetate	50	39.8	80	33-141
108-87-2	Methylcyclohexane	50	60.2	120	78-140
1634-04-4	Methyl Tert Butyl Ether	50	60.3	121	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	57.8	116	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2080-BS	M60000.D	1	10/06/13	KD	n/a	n/a	MSM2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24849-5, MC24849-6, MC24849-7, MC24849-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
75-09-2	Methylene chloride	50	67.2	134* [a]	70-130
100-42-5	Styrene	50	53.3	107	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	53.9	108	70-130
127-18-4	Tetrachloroethene	50	56.5	113	70-130
108-88-3	Toluene	50	60.0	120	70-130
120-82-1	1,2,4-Trichlorobenzene	50	47.4	95	70-130
71-55-6	1,1,1-Trichloroethane	50	70.5	141* [b]	70-130
79-00-5	1,1,2-Trichloroethane	50	59.2	118	70-130
79-01-6	Trichloroethene	50	56.8	114	70-130
75-69-4	Trichlorofluoromethane	50	65.9	132* [b]	70-130
75-01-4	Vinyl chloride	50	54.0	108	70-130
1330-20-7	Xylene (total)	150	163	109	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	86%	70-130%
2037-26-5	Toluene-D8	82%	70-130%
460-00-4	4-Bromofluorobenzene	82%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.
(b) Outside control limits. Associated samples are non-detect for this compound.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2081-BS	M60023.D	1	10/07/13	KD	n/a	n/a	MSM2081

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24849-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	52.9	106	70-130
71-43-2	Benzene	50	53.1	106	70-130
75-27-4	Bromodichloromethane	50	54.8	110	70-130
75-25-2	Bromoform	50	53.5	107	70-130
74-83-9	Bromomethane	50	57.4	115	70-130
78-93-3	2-Butanone (MEK)	50	53.9	108	70-130
75-15-0	Carbon disulfide	50	58.6	117	70-130
56-23-5	Carbon tetrachloride	50	60.3	121	70-130
108-90-7	Chlorobenzene	50	52.0	104	70-130
75-00-3	Chloroethane	50	59.0	118	70-130
67-66-3	Chloroform	50	60.3	121	70-130
74-87-3	Chloromethane	50	61.7	123	70-130
110-82-7	Cyclohexane	50	52.4	105	70-130
96-12-8	1,2-Dibromo-3-chloropropane	50	45.0	90	70-130
124-48-1	Dibromochloromethane	50	52.8	106	70-130
106-93-4	1,2-Dibromoethane	50	51.4	103	70-130
95-50-1	1,2-Dichlorobenzene	50	53.2	106	70-130
541-73-1	1,3-Dichlorobenzene	50	55.2	110	70-130
106-46-7	1,4-Dichlorobenzene	50	58.5	117	70-130
75-71-8	Dichlorodifluoromethane	50	56.0	112	70-130
75-34-3	1,1-Dichloroethane	50	61.0	122	70-130
107-06-2	1,2-Dichloroethane	50	53.6	107	70-130
75-35-4	1,1-Dichloroethene	50	57.8	116	70-130
156-59-2	cis-1,2-Dichloroethene	50	54.9	110	70-130
156-60-5	trans-1,2-Dichloroethene	50	57.4	115	70-130
78-87-5	1,2-Dichloropropane	50	52.3	105	70-130
10061-01-5	cis-1,3-Dichloropropene	50	53.0	106	70-130
10061-02-6	trans-1,3-Dichloropropene	50	55.9	112	70-130
100-41-4	Ethylbenzene	50	53.6	107	70-130
76-13-1	Freon 113	50	60.2	120	70-130
591-78-6	2-Hexanone	50	47.2	94	70-130
98-82-8	Isopropylbenzene	50	53.6	107	70-130
79-20-9	Methyl Acetate	50	35.6	71	33-141
108-87-2	Methylcyclohexane	50	56.6	113	78-140
1634-04-4	Methyl Tert Butyl Ether	50	53.1	106	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	50.5	101	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2081-BS	M60023.D	1	10/07/13	KD	n/a	n/a	MSM2081

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24849-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
75-09-2	Methylene chloride	50	59.4	119	70-130
100-42-5	Styrene	50	52.1	104	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	50.7	101	70-130
127-18-4	Tetrachloroethene	50	56.0	112	70-130
108-88-3	Toluene	50	55.7	111	70-130
120-82-1	1,2,4-Trichlorobenzene	50	53.2	106	70-130
71-55-6	1,1,1-Trichloroethane	50	62.0	124	70-130
79-00-5	1,1,2-Trichloroethane	50	52.8	106	70-130
79-01-6	Trichloroethene	50	53.6	107	70-130
75-69-4	Trichlorofluoromethane	50	57.4	115	70-130
75-01-4	Vinyl chloride	50	49.0	98	70-130
1330-20-7	Xylene (total)	150	160	107	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	81%	70-130%
2037-26-5	Toluene-D8	81%	70-130%
460-00-4	4-Bromofluorobenzene	82%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC24849-5MS	M60010.D	1	10/07/13	KD	n/a	n/a	MSM2080
MC24849-5MSD	M60032.D	1	10/07/13	KD	n/a	n/a	MSM2080
MC24849-5	M60006.D	1	10/07/13	KD	n/a	n/a	MSM2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24849-5, MC24849-6, MC24849-7, MC24849-12

CAS No.	Compound	MC24849-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		57.1	85.3	149* a	70.0	131* a	20	70-130/30
71-43-2	Benzene	ND		57.1	53.2	93	50.4	94	5	70-130/30
75-27-4	Bromodichloromethane	ND		57.1	53.6	94	53.1	99	1	70-130/30
75-25-2	Bromoform	ND		57.1	54.2	95	66.1	124	20	70-130/30
74-83-9	Bromomethane	ND		57.1	59.7	105	54.8	102	9	70-130/30
78-93-3	2-Butanone (MEK)	ND		57.1	69.1	121	76.8	144* a	11	70-130/30
75-15-0	Carbon disulfide	1.5	J	57.1	60.1	103	57.2	104	5	70-130/30
56-23-5	Carbon tetrachloride	ND		57.1	65.4	115	59.5	111	9	70-130/30
108-90-7	Chlorobenzene	ND		57.1	45.5	80	46.4	87	2	70-130/30
75-00-3	Chloroethane	ND		57.1	66.0	116	60.3	113	9	70-130/30
67-66-3	Chloroform	ND		57.1	61.0	107	57.3	107	6	70-130/30
74-87-3	Chloromethane	ND		57.1	65.1	114	61.9	116	5	70-130/30
110-82-7	Cyclohexane	ND		57.1	57.4	101	51.2	96	11	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		57.1	51.6	90	71.7	134* a	33* b	70-130/30
124-48-1	Dibromochloromethane	ND		57.1	49.7	87	54.1	101	8	70-130/30
106-93-4	1,2-Dibromoethane	ND		57.1	49.9	87	55.2	103	10	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		57.1	37.6	66* a	48.3	90	25	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		57.1	37.6	66* a	46.5	87	21	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		57.1	37.5	66* a	50.2	94	29	70-130/30
75-71-8	Dichlorodifluoromethane	ND		57.1	65.0	114	57.3	107	13	70-130/30
75-34-3	1,1-Dichloroethane	ND		57.1	62.8	110	57.9	108	8	70-130/30
107-06-2	1,2-Dichloroethane	ND		57.1	53.0	93	53.5	100	1	70-130/30
75-35-4	1,1-Dichloroethene	ND		57.1	63.4	111	56.7	106	11	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		57.1	55.1	96	51.6	96	7	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		57.1	58.4	102	52.9	99	10	70-130/30
78-87-5	1,2-Dichloropropane	ND		57.1	52.5	92	50.0	93	5	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		57.1	45.6	80	49.2	92	8	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		57.1	47.5	83	54.3	101	13	70-130/30
100-41-4	Ethylbenzene	ND		57.1	49.1	86	48.1	90	2	70-130/30
76-13-1	Freon 113	ND		57.1	68.8	120	61.4	115	11	70-130/30
591-78-6	2-Hexanone	ND		57.1	58.9	103	75.4	141* a	25	70-130/30
98-82-8	Isopropylbenzene	ND		57.1	47.2	83	48.0	90	2	70-130/30
79-20-9	Methyl Acetate	ND		57.1	38.4	67	40.9	76	6	30-160/30
108-87-2	Methylcyclohexane	ND		57.1	60.1	105	53.6	100	11	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		57.1	57.6	101	55.4	104	4	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		57.1	67.3	118	83.2	156* a	21	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC24849-5MS	M60010.D	1	10/07/13	KD	n/a	n/a	MSM2080
MC24849-5MSD	M60032.D	1	10/07/13	KD	n/a	n/a	MSM2080
MC24849-5	M60006.D	1	10/07/13	KD	n/a	n/a	MSM2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24849-5, MC24849-6, MC24849-7, MC24849-12

CAS No.	Compound	MC24849-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	2.2	J	57.1	57.8	97	54.7	98	6	70-130/30
100-42-5	Styrene	ND		57.1	40.8	71	46.3	87	13	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		57.1	51.2	90	71.7	134* [a]	33* [b]	70-130/30
127-18-4	Tetrachloroethene	ND		57.1	57.1	100	51.6	96	10	70-130/30
108-88-3	Toluene	0.54	J	57.1	55.6	96	52.9	98	5	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		57.1	27.0	47* [a]	37.5	70	33* [b]	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		57.1	66.6	117	60.4	113	10	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		57.1	55.3	97	58.2	109	5	70-130/30
79-01-6	Trichloroethene	ND		57.1	54.6	96	51.9	97	5	70-130/30
75-69-4	Trichlorofluoromethane	ND		57.1	64.0	112	57.2	107	11	70-130/30
75-01-4	Vinyl chloride	ND		57.1	52.0	91	49.2	92	6	70-130/30
1330-20-7	Xylene (total)	ND		171	141	82	141	88	0	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC24849-5	Limits
1868-53-7	Dibromofluoromethane	82%	83%	88%	70-130%
2037-26-5	Toluene-D8	83%	83%	85%	70-130%
460-00-4	4-Bromofluorobenzene	82%	83%	90%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(b) High RPD due to possible matrix interference and/or sample non-homogeneity.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC24849-1MS	M60033.D	1	10/07/13	KD	n/a	n/a	MSM2081
MC24849-1MSD	M60034.D	1	10/07/13	KD	n/a	n/a	MSM2081
MC24849-1	M60028.D	1	10/07/13	KD	n/a	n/a	MSM2081

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24849-1

CAS No.	Compound	MC24849-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	41.5		50.4	86.5	89	85.4	86	1	70-130/30
71-43-2	Benzene	0.35	J	50.4	39.3	77	44.6	86	13	70-130/30
75-27-4	Bromodichloromethane	ND		50.4	40.2	80	45.5	89	12	70-130/30
75-25-2	Bromoform	ND		50.4	40.3	80	47.1	92	16	70-130/30
74-83-9	Bromomethane	ND		50.4	45.8	91	51.8	101	12	70-130/30
78-93-3	2-Butanone (MEK)	ND		50.4	56.2	112	68.0	133* [a]	19	70-130/30
75-15-0	Carbon disulfide	1.3	J	50.4	45.4	88	53.2	101	16	70-130/30
56-23-5	Carbon tetrachloride	ND		50.4	45.1	89	50.1	98	11	70-130/30
108-90-7	Chlorobenzene	ND		50.4	32.0	63* [a]	35.1	69* [a]	9	70-130/30
75-00-3	Chloroethane	ND		50.4	48.8	97	56.7	111	15	70-130/30
67-66-3	Chloroform	ND		50.4	44.8	89	51.4	100	14	70-130/30
74-87-3	Chloromethane	ND		50.4	50.3	100	58.4	114	15	70-130/30
110-82-7	Cyclohexane	ND		50.4	32.3	64* [a]	33.3	65* [a]	3	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		50.4	43.2	86	53.2	104	21	70-130/30
124-48-1	Dibromochloromethane	ND		50.4	39.0	77	44.5	87	13	70-130/30
106-93-4	1,2-Dibromoethane	ND		50.4	39.7	79	44.7	87	12	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		50.4	24.0	48* [a]	26.2	51* [a]	9	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		50.4	23.4	46* [a]	25.1	49* [a]	7	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		50.4	24.9	49* [a]	27.1	53* [a]	8	70-130/30
75-71-8	Dichlorodifluoromethane	ND		50.4	45.5	90	56.6	111	22	70-130/30
75-34-3	1,1-Dichloroethane	0.99	J	50.4	47.3	92	54.2	104	14	70-130/30
107-06-2	1,2-Dichloroethane	ND		50.4	41.5	82	46.5	91	11	70-130/30
75-35-4	1,1-Dichloroethene	ND		50.4	44.6	88	52.6	103	16	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		50.4	39.8	79	45.8	90	14	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		50.4	43.5	86	48.6	95	11	70-130/30
78-87-5	1,2-Dichloropropane	ND		50.4	38.2	76	44.2	86	15	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		50.4	36.6	73	41.3	81	12	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		50.4	38.5	76	43.8	86	13	70-130/30
100-41-4	Ethylbenzene	ND		50.4	30.9	61* [a]	32.7	64* [a]	6	70-130/30
76-13-1	Freon 113	ND		50.4	47.1	93	54.5	107	15	70-130/30
591-78-6	2-Hexanone	ND		50.4	55.0	109	67.9	133* [a]	21	70-130/30
98-82-8	Isopropylbenzene	ND		50.4	26.0	52* [a]	27.8	54* [a]	7	70-130/30
79-20-9	Methyl Acetate	ND		50.4	25.0	50	30.0	59	18	30-160/30
108-87-2	Methylcyclohexane	ND		50.4	24.0	48	25.0	49	4	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		50.4	43.7	87	50.3	98	14	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50.4	56.3	112	66.5	130	17	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC24849-1MS	M60033.D	1	10/07/13	KD	n/a	n/a	MSM2081
MC24849-1MSD	M60034.D	1	10/07/13	KD	n/a	n/a	MSM2081
MC24849-1	M60028.D	1	10/07/13	KD	n/a	n/a	MSM2081

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC24849-1

CAS No.	Compound	MC24849-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	2.0	J	50.4	44.7	85	49.7	93	11	70-130/30
100-42-5	Styrene	ND		50.4	24.8	49* [a]	28.4	55* [a]	14	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		50.4	45.2	90	53.2	104	16	70-130/30
127-18-4	Tetrachloroethene	ND		50.4	33.5	66* [a]	34.3	67* [a]	2	70-130/30
108-88-3	Toluene	0.99	J	50.4	38.4	74	42.6	81	10	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		50.4	15.4	31* [a]	18.4	36* [a]	18	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		50.4	47.4	94	54.5	107	14	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		50.4	40.1	80	46.9	92	16	70-130/30
79-01-6	Trichloroethene	ND		50.4	37.5	74	41.6	81	10	70-130/30
75-69-4	Trichlorofluoromethane	ND		50.4	45.9	91	55.2	108	18	70-130/30
75-01-4	Vinyl chloride	ND		50.4	39.4	78	46.1	90	16	70-130/30
1330-20-7	Xylene (total)	0.71	J	151	88.7	58* [a]	95.3	62* [a]	7	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC24849-1	Limits
1868-53-7	Dibromofluoromethane	82%	82%	86%	70-130%
2037-26-5	Toluene-D8	81%	82%	81%	70-130%
460-00-4	4-Bromofluorobenzene	88%	89%	96%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSM2064-BFB
Lab File ID: M59583.D
Instrument ID: GCMSM
Injection Date: 09/25/13
Injection Time: 20:29

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	24424	21.6		Pass
75	30.0 - 60.0% of mass 95	51645	45.6		Pass
95	Base peak, 100% relative abundance	113163	100.0		Pass
96	5.0 - 9.0% of mass 95	7923	7.00		Pass
173	Less than 2.0% of mass 174	1259	1.11	(1.09) [a]	Pass
174	50.0 - 150.0% of mass 95	115048	101.7		Pass
175	5.0 - 9.0% of mass 174	8329	7.36	(7.24) [a]	Pass
176	95.0 - 101.0% of mass 174	110221	97.4	(95.8) [a]	Pass
177	5.0 - 9.0% of mass 176	7171	6.34	(6.51) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM2064-IC2064	M59584.D	09/25/13	20:58	00:29	Initial cal 2
MSM2064-IC2064	M59585.D	09/25/13	21:27	00:58	Initial cal 0.5
MSM2064-IC2064	M59586.D	09/25/13	21:57	01:28	Initial cal 5
MSM2064-IC2064	M59587.D	09/25/13	22:26	01:57	Initial cal 10
MSM2064-IC2064	M59588.D	09/25/13	22:55	02:26	Initial cal 20
MSM2064-ICC2064	M59589.D	09/25/13	23:24	02:55	Initial cal 50
MSM2064-IC2064	M59590.D	09/25/13	23:53	03:24	Initial cal 100
MSM2064-IC2064	M59591.D	09/26/13	00:23	03:54	Initial cal 200
MSM2064-IC2064	M59592.D	09/26/13	00:52	04:23	Initial cal 400

Instrument Performance Check (BFB)

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSM2080-BFB
Lab File ID: M59999.D
Instrument ID: GCMSM
Injection Date: 10/06/13
Injection Time: 21:01

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	14568	20.7		Pass
75	30.0 - 60.0% of mass 95	30895	43.9		Pass
95	Base peak, 100% relative abundance	70413	100.0		Pass
96	5.0 - 9.0% of mass 95	4630	6.58		Pass
173	Less than 2.0% of mass 174	750	1.07	(1.06) [a]	Pass
174	50.0 - 150.0% of mass 95	71071	100.9		Pass
175	5.0 - 9.0% of mass 174	4974	7.06	(7.00) [a]	Pass
176	95.0 - 101.0% of mass 174	67544	95.9	(95.0) [a]	Pass
177	5.0 - 9.0% of mass 176	3922	5.57	(5.81) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM2080-CC2064	M59999.D	10/06/13	21:01	00:00	Continuing cal 50
MSM2080-BS	M60000.D	10/06/13	21:30	00:29	Blank Spike
MSM2080-MB	M60003.D	10/06/13	22:59	01:58	Method Blank
ZZZZZZ	M60004.D	10/06/13	23:29	02:28	(unrelated sample)
MC24849-5	M60006.D	10/07/13	00:27	03:26	EPT-SB-LASA416-4553
MC24849-6	M60007.D	10/07/13	00:56	03:55	EPT-SB-LASA417-0209
MC24849-12	M60008.D	10/07/13	01:25	04:24	EPT-SB-LASA425-10
MC24849-7	M60009.D	10/07/13	01:55	04:54	EPT-SB-LASA418-13
MC24849-5MS	M60010.D	10/07/13	02:24	05:23	Matrix Spike
ZZZZZZ	M60012.D	10/07/13	03:24	06:23	(unrelated sample)
ZZZZZZ	M60013.D	10/07/13	03:53	06:52	(unrelated sample)
ZZZZZZ	M60014.D	10/07/13	04:22	07:21	(unrelated sample)
ZZZZZZ	M60015.D	10/07/13	04:52	07:51	(unrelated sample)
ZZZZZZ	M60016.D	10/07/13	05:22	08:21	(unrelated sample)
ZZZZZZ	M60017.D	10/07/13	05:51	08:50	(unrelated sample)
ZZZZZZ	M60018.D	10/07/13	06:20	09:19	(unrelated sample)
ZZZZZZ	M60019.D	10/07/13	06:50	09:49	(unrelated sample)
ZZZZZZ	M60020.D	10/07/13	07:19	10:18	(unrelated sample)
ZZZZZZ	M60021.D	10/07/13	08:34	11:33	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSM2081-BFB
Lab File ID: M60022.D
Instrument ID: GCMSM
Injection Date: 10/07/13
Injection Time: 09:17

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	10051	18.9		Pass
75	30.0 - 60.0% of mass 95	22622	42.6		Pass
95	Base peak, 100% relative abundance	53096	100.0		Pass
96	5.0 - 9.0% of mass 95	3557	6.70		Pass
173	Less than 2.0% of mass 174	645	1.21	(1.12) [a]	Pass
174	50.0 - 150.0% of mass 95	57487	108.3		Pass
175	5.0 - 9.0% of mass 174	3883	7.31	(6.75) [a]	Pass
176	95.0 - 101.0% of mass 174	54999	103.6	(95.7) [a]	Pass
177	5.0 - 9.0% of mass 176	3390	6.38	(6.16) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM2081-CC2064	M60022.D	10/07/13	09:17	00:00	Continuing cal 50
MSM2081-BS	M60023.D	10/07/13	09:46	00:29	Blank Spike
MSM2080-BS1	M60023.D	10/07/13	09:46	00:29	Blank Spike
MSM2081-MB	M60026.D	10/07/13	11:15	01:58	Method Blank
MSM2080-MB1	M60026.D	10/07/13	11:15	01:58	Method Blank
ZZZZZZ	M60027.D	10/07/13	11:45	02:28	(unrelated sample)
MC24849-1	M60028.D	10/07/13	12:14	02:57	EPT-SB-LASA412-0004
ZZZZZZ	M60029.D	10/07/13	12:44	03:27	(unrelated sample)
ZZZZZZ	M60030.D	10/07/13	13:13	03:56	(unrelated sample)
ZZZZZZ	M60031.D	10/07/13	13:43	04:26	(unrelated sample)
MC24849-5MSD	M60032.D	10/07/13	14:12	04:55	Matrix Spike Duplicate
MC24849-1MS	M60033.D	10/07/13	14:41	05:24	Matrix Spike
MC24849-1MSD	M60034.D	10/07/13	15:11	05:54	Matrix Spike Duplicate
ZZZZZZ	M60035.D	10/07/13	15:40	06:23	(unrelated sample)
ZZZZZZ	M60036.D	10/07/13	16:09	06:52	(unrelated sample)
ZZZZZZ	M60037.D	10/07/13	16:38	07:21	(unrelated sample)
ZZZZZZ	M60038.D	10/07/13	17:07	07:50	(unrelated sample)
ZZZZZZ	M60039.D	10/07/13	17:37	08:20	(unrelated sample)
ZZZZZZ	M60040.D	10/07/13	18:06	08:49	(unrelated sample)
ZZZZZZ	M60041.D	10/07/13	18:35	09:18	(unrelated sample)
ZZZZZZ	M60042.D	10/07/13	19:04	09:47	(unrelated sample)
ZZZZZZ	M60043.D	10/07/13	19:34	10:17	(unrelated sample)
ZZZZZZ	M60044.D	10/07/13	20:03	10:46	(unrelated sample)
ZZZZZZ	M60045.D	10/07/13	20:32	11:15	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample:	MSM2081-BFB	**Injection Date:**	10/07/13
Lab File ID:	M60022.D	**Injection Time:**	09:17
Instrument ID:	GCMSM		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	M60046.D	10/07/13	21:02	11:45	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std: MSM2080-CC2064 **Injection Date:** 10/06/13
Lab File ID: M59999.D **Injection Time:** 21:01
Instrument ID: GCMSM **Method:** SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	191594	9.35	314354	10.23	145256	13.51	178312	16.07	77269	6.85
Upper Limit [a]	383188	9.85	628708	10.73	290512	14.01	356624	16.57	154538	7.35
Lower Limit [b]	95797	8.85	157177	9.73	72628	13.01	89156	15.57	38635	6.35

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSM2080-BS	195951	9.35	324530	10.23	145001	13.50	180494	16.07	81012	6.84
MSM2080-MB	185448	9.36	303765	10.23	127386	13.51	142930	16.07	77012	6.85
ZZZZZZ	179274	9.36	298290	10.23	127238	13.50	140695	16.07	75013	6.85
MC24849-5	177288	9.36	292245	10.23	129714	13.50	146032	16.07	127312	6.84
MC24849-6	185808	9.36	305326	10.23	131900	13.51	147421	16.07	126340	6.84
MC24849-12	175980	9.35	291826	10.23	126996	13.51	137129	16.07	135407	6.84
MC24849-7	184229	9.35	304800	10.23	136831	13.51	163688	16.07	146711	6.84
MC24849-5MS	235405	9.35	380649	10.23	173011	13.50	219418	16.07	153132	6.84
ZZZZZZ	233917	9.35	374408	10.23	163312	13.51	203804	16.07	162031[c]	6.84
ZZZZZZ	227802	9.36	366835	10.23	157474	13.51	193503	16.07	164640[c]	6.84
ZZZZZZ	223601	9.35	357453	10.23	152606	13.50	185465	16.07	151337	6.84
ZZZZZZ	213482	9.35	345936	10.23	143955	13.51	152572	16.07	149623	6.84
ZZZZZZ	206201	9.35	339139	10.23	143857	13.51	165462	16.07	148208	6.84
ZZZZZZ	200517	9.36	333175	10.23	142439	13.51	163911	16.07	158010[c]	6.84
ZZZZZZ	194829	9.35	320727	10.23	137665	13.51	160024	16.07	151981	6.84
ZZZZZZ	189856	9.35	316761	10.23	137023	13.51	156618	16.07	148448	6.84
ZZZZZZ	186542	9.35	306287	10.23	132455	13.51	150282	16.07	146746	6.84
ZZZZZZ	195467	9.35	321046	10.23	138814	13.51	159871	16.07	154069	6.84

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits. Target analytes not associated with this internal standard.

Volatile Internal Standard Area Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	MSM2081-CC2064	**Injection Date:**	10/07/13
Lab File ID:	M60022.D	**Injection Time:**	09:17
Instrument ID:	GCMSM	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	215647	9.35	345399	10.23	151035	13.51	186626	16.07	79409	6.84
Upper Limit [a]	431294	9.85	690798	10.73	302070	14.01	373252	16.57	158818	7.34
Lower Limit [b]	107824	8.85	172700	9.73	75518	13.01	93313	15.57	39705	6.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSM2081-BS	225851	9.35	363628	10.23	155003	13.50	190065	16.07	83358	6.84
MSM2080-BS1	225851	9.35	363628	10.23	155003	13.50	190065	16.07	83358	6.84
MSM2081-MB	211240	9.36	337035	10.23	134122	13.51	146778	16.07	85569	6.85
MSM2080-MB1	211240	9.36	337035	10.23	134122	13.51	146778	16.07	85569	6.85
ZZZZZZ	193122	9.35	311839	10.23	128737	13.50	142129	16.07	143891	6.84
MC24849-1	196920	9.36	322816	10.23	129747	13.51	132575	16.07	133710	6.84
ZZZZZZ	207011	9.36	333953	10.23	134466	13.51	147076	16.07	79338	6.84
ZZZZZZ	204661	9.36	334172	10.23	136186	13.51	153961	16.07	162528[c]	6.84
ZZZZZZ	201942	9.35	329537	10.23	136506	13.50	160013	16.07	137920	6.84
MC24849-5MSD	220991	9.35	351369	10.23	154011	13.51	187572	16.07	148397	6.84
MC24849-1MS	226229	9.35	358011	10.23	151130	13.51	172059	16.07	148964	6.84
MC24849-1MSD	227242	9.35	362855	10.23	155227	13.50	176704	16.07	153725	6.84
ZZZZZZ	204666	9.36	326863	10.23	133136	13.50	147967	16.07	151983	6.84
ZZZZZZ	207399	9.35	332720	10.23	136175	13.50	153596	16.07	158483	6.84
ZZZZZZ	202546	9.35	330230	10.23	134866	13.51	149174	16.07	155625	6.84
ZZZZZZ	207659	9.36	334388	10.23	138268	13.50	153022	16.07	164251*	6.85
ZZZZZZ	195272	9.35	313758	10.23	129991	13.50	144294	16.07	151244	6.84
ZZZZZZ	195796	9.36	310666	10.23	130359	13.50	139175	16.07	157730	6.84
ZZZZZZ	188121	9.36	304533	10.23	126629	13.51	134292	16.07	158226	6.84
ZZZZZZ	188101	9.35	309074	10.23	129888	13.51	142654	16.07	148073	6.84
ZZZZZZ	185283	9.36	300778	10.23	124417	13.51	136269	16.07	156254	6.84
ZZZZZZ	199205	9.35	324326	10.23	136564	13.51	149744	16.07	139594	6.84
ZZZZZZ	192936	9.35	316472	10.23	132641	13.51	143802	16.07	133509	6.84
ZZZZZZ	184059	9.35	297262	10.23	124331	13.51	136036	16.07	145399	6.84

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits. Target analytes not associated with this internal standard.

Volatile Surrogate Recovery Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC24849-1	M60028.D	86.0	81.0	96.0
MC24849-5	M60006.D	88.0	85.0	90.0
MC24849-6	M60007.D	86.0	84.0	90.0
MC24849-7	M60009.D	88.0	85.0	90.0
MC24849-12	M60008.D	87.0	83.0	95.0
MC24849-1MS	M60033.D	82.0	81.0	88.0
MC24849-1MSD	M60034.D	82.0	82.0	89.0
MC24849-5MS	M60010.D	82.0	83.0	82.0
MC24849-5MSD	M60032.D	83.0	83.0	83.0
MSM2080-BS	M60000.D	86.0	82.0	82.0
MSM2080-MB	M60003.D	86.0	84.0	91.0
MSM2081-BS	M60023.D	81.0	81.0	82.0
MSM2081-MB	M60026.D	82.0	83.0	93.0
MSM2080-MB1	M60026.D	82.0	83.0	93.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC24849 **Sample:** MSM2064-ICC2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59589.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report GCMS M

Method : C:\msdchem\1\methods\M130925S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Calibration Files
.5 =m59585.D 20 =m59588.D 2 =m59584.D 5 =m59586.D
10 =m59587.D 50 =m59589.D 100 =m59590.D 200 =m59591.D
400 =m59592.D =

Compound	.5	20	2	5	10	50	100	200	400	Avg	%RSD
1) I tert butyl alcohol-d9 ----------ISTD----------											
2) tertiary butyl alcohol	1.527	1.335	2.207	2.133	1.794	1.927	1.549	1.480		1.744	18.44
---- Linear regression ---- Coefficient = 0.9947											
Response Ratio = 0.21602 + 1.47818 *A											
3) Ethanol	0.160	0.064	0.095	0.157	0.189	0.141	0.172	0.168		0.143	29.53
---- Linear regression ---- Coefficient = 0.9978											
Response Ratio = -0.05715 + 0.16882 *A											
4) I pentafluorobenzene ----------ISTD----------											
5) dichlorodifluoromethane	0.639	0.705	0.734	0.672	0.664	0.613	0.642	0.612		0.660	6.54
6) chloromethane	1.019	1.418	1.113	1.027	1.122	0.887	1.057	0.964		1.076	14.67
7) vinyl chloride	1.144	1.062	1.123	1.096	1.089	0.889	1.116	1.026		1.068	7.60
8) bromomethane	0.528	0.588	0.575	0.551	0.526	0.411	0.497	0.448		0.516	11.82
9) chloroethane	0.373	0.296	0.419	0.379	0.405	0.321	0.377	0.344		0.364	11.43
10) ethyl ether	0.460	0.402	0.459	0.455	0.513	0.407	0.500	0.477		0.459	8.55
11) acetonitrile	0.127		0.143	0.162	0.139	0.117	0.163	0.160		0.144	12.50
12) trichlorofluoromethane	0.962	0.819	0.851	1.000	1.039	0.831	0.969	0.902		0.922	8.96
13) freon-113	0.524	0.467	0.503	0.494	0.563	0.429	0.474	0.440		0.486	9.06
14) acrolein	0.093		0.092	0.092	0.115	0.097	0.120	0.120		0.104	12.97
15) 1,1-dichloroethene	0.556	0.552	0.677	0.593	0.587	0.460	0.556	0.519		0.563	11.07
16) acetone	0.042			0.036	0.068	0.053	0.060	0.055		0.052	22.05
---- Linear regression ---- Coefficient = 0.9964											
Response Ratio = 0.00103 + 0.05615 *A											
17) Methyl Acetate	0.732		0.837	0.773	0.972	0.797	0.967	0.944		0.860	11.57
18) methylene chloride	0.606	0.596	0.641	0.616	0.658	0.521	0.623	0.595		0.607	6.74

Initial Calibration Summary

Job Number: MC24849 **Sample:** MSM2064-ICC2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59589.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
19)  methyl tert butyl ether
                1.233 1.214 1.309 1.250 1.395 1.088 1.306 1.233   1.254    7.11
20)  acrylonitrile
                0.208       0.192 0.214 0.280 0.227 0.273 0.265   0.237   14.88
21)  allyl chloride
                1.121 1.067 1.099 1.075 1.191 0.952 1.206 1.173   1.111    7.47
22)  trans-1,2-dichloroethene
                0.596 0.625 0.655 0.636 0.648 0.515 0.616 0.586   0.610    7.38
23)  iodomethane
                1.136 1.097 1.196 1.155 1.271 1.004 1.219 1.136   1.152    7.03
24)  carbon disulfide
                1.743 1.672 1.855 1.815 1.883 1.502 1.810 1.673   1.744    7.18
25)  propionitrile
                0.077       0.042 0.062 0.099 0.083 0.097 0.093   0.079   26.29
             ---- Linear regression ----  Coefficient =  0.9985
               Response Ratio = -0.00502 + 0.09396 *A

26)  vinyl acetate
                1.268       1.164 1.220 1.560 1.278 1.595 1.583   1.381   13.71
             ---- Linear regression ----  Coefficient =  0.9977
               Response Ratio = -0.15107 + 1.59798 *A

27)  chloroprene
                0.934 0.838 0.947 0.938 1.057 0.862 1.109 1.087   0.972   10.47
28)  di-isopropyl ether
                2.303 2.219 2.296 2.341 2.627 2.108 2.701 2.735   2.416    9.82
29)  methacrylonitrile
                0.353 0.296 0.342 0.353 0.425 0.345 0.446 0.443   0.375   14.72
30)  2-butanone
                0.047       0.003 0.044 0.070 0.057 0.071 0.071   0.052   46.72
             ---- Linear regression ----  Coefficient =  0.9980
               Response Ratio = -0.00905 + 0.07177 *A

31)  1,1-dichloroethane
                0.983 1.007 1.025 1.015 1.078 0.856 1.060 1.007   1.004    6.69
32)  tert-butyl ethyl ether
                1.603 1.525 1.623 1.612 1.830 1.454 1.832 1.795   1.659    8.65
33)  isobutyl alcohol
                0.079 0.094 0.100 0.081 0.100 0.079 0.089 0.083   0.088   10.16
34)  2,2-dichloropropane
                0.609 0.669 0.655 0.645 0.679 0.522 0.626 0.575   0.622    8.46
35)  cis-1,2-dichloroethene
                0.668 0.729 0.758 0.696 0.739 0.574 0.727 0.708   0.700    8.27
36)  ethyl acetate
                0.394 0.468 0.497 0.400 0.499 0.394 0.445 0.413   0.439   10.22
37)  bromochloromethane
                0.328 0.335 0.349 0.343 0.376 0.295 0.360 0.349   0.342    7.04
38)  chloroform
                0.947 0.965 0.973 0.994 1.073 0.847 1.067 1.053   0.990    7.63
39)  dibromofluoromethane (s)
                0.515       0.548 0.543 0.620 0.689 0.568 0.637   0.589   10.52
40)  Tetrahydrofuran
                0.219 0.261 0.235 0.234 0.258 0.194 0.230 0.221   0.232    9.32
41)  1,1,1-trichloroethane
                0.844 0.835 0.885 0.863 0.919 0.716 0.856 0.780   0.837    7.56

42) I   1,4-difluorobenzene   ----------------ISTD--------------------
43)  Cyclohexane
                0.663 0.689 0.702 0.675 0.742 0.587 0.718 0.658   0.679    6.89
44)  carbon tetrachloride
```

Initial Calibration Summary

Job Number: MC24849 **Sample:** MSM2064-ICC2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59589.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                0.532 0.538 0.560 0.555 0.591 0.468 0.572 0.531   0.543    6.77
45)  1,1-dichloropropene
                0.469 0.471 0.483 0.485 0.521 0.416 0.523 0.492   0.483    6.96
46)  benzene
          1.959 1.479 1.469 1.488 1.519 1.610 1.288 1.611 1.524   1.550   11.64
47)  1,2-dichloroethane
                0.501 0.500 0.516 0.514 0.567 0.451 0.553 0.521   0.515    6.83
48)  tert-amyl methyl ether
                0.767 0.786 0.823 0.806 0.893 0.693 0.840 0.770   0.797    7.39
49)  heptane
                0.667 0.689 0.708 0.703 0.758 0.599 0.786 0.753   0.708    8.37
50)  trichloroethene
          1.129 0.412 0.478 0.453 0.434 0.457 0.363 0.456 0.437   0.513   45.47
           ---- Linear regression ----  Coefficient =  0.9975
             Response Ratio = -0.00926 + 0.43869 *A

51)  1,2-dichloropropane
                0.409 0.407 0.422 0.425 0.465 0.374 0.470 0.461   0.429    7.86
52)  dibromomethane
                0.219 0.214 0.227 0.232 0.251 0.197 0.244 0.235   0.227    7.57
53)  bromodichloromethane
                0.517 0.490 0.534 0.533 0.578 0.459 0.565 0.537   0.527    7.30
54)  Methylcyclohexane
                0.626 0.638 0.637 0.627 0.706 0.559 0.701 0.645   0.642    7.21
55)  2-chloroethyl vinyl ether
                0.141 0.120 0.153 0.154 0.168 0.140 0.176 0.168   0.153   12.10
56)  methyl methacrylate
                0.214       0.197 0.199 0.257 0.208 0.257 0.246   0.225   11.94
57)  1,4-dioxane
                0.003       0.000 0.002 0.004 0.003 0.004 0.003   0.003   42.62
           ---- Linear regression ----  Coefficient =  0.9963
             Response Ratio = 0.00019 + 0.00346 *A

58)  cis-1,3-dichloropropene
                0.579 0.549 0.572 0.587 0.672 0.535 0.672 0.650   0.602    9.13
59)  toluene-d8 (s)
                1.132       1.145 1.178 1.391 1.572 1.320 1.485   1.317   13.23
60)  4-methyl-2-pentanone
                0.434 0.381 0.450 0.437 0.548 0.424 0.511 0.492   0.460   11.69
61)  toluene
                0.934 0.858 0.935 0.940 1.072 0.862 1.132 1.098   0.979   10.93
62)  trans-1,3-dichloropropene
                0.490 0.442 0.493 0.497 0.568 0.450 0.568 0.545   0.507    9.70
63)  1,1,2-trichloroethane
                0.278 0.257 0.283 0.279 0.314 0.249 0.305 0.290   0.282    7.78
64)  ethyl methacrylate
                0.402       0.364 0.406 0.498 0.416 0.548 0.540   0.454   16.28
           ---- Linear regression ----  Coefficient =  0.9968
             Response Ratio = -0.06773 + 0.54750 *A


65) I   chlorobenzene-d5      ----------------ISTD--------------------
66)  tetrachloroethene
          1.235 1.002 1.022 1.083 1.091 1.061 0.826 1.095 1.002   1.046   10.40
67)  1,3-dichloropropane
                1.242 1.195 1.319 1.350 1.368 1.070 1.482 1.369   1.299    9.76
68)  dibromochloromethane
                1.154 1.102 1.219 1.221 1.253 0.971 1.285 1.207   1.177    8.54
69)  1,2-dibromoethane
                0.895 0.868 0.976 0.947 0.976 0.751 1.005 0.924   0.918    8.83
```

Initial Calibration Summary

Job Number: MC24849 **Sample:** MSM2064-ICC2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59589.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

70)	2-hexanone										
		0.672	0.718	0.808	0.906	0.680	0.900	0.854	0.791	12.75	
71)	chlorobenzene										
		2.988	2.847	3.091	3.132	3.125	2.443	3.322	3.095	3.006	8.78
72)	1,1,1,2-tetrachloroethane										
		1.138	1.163	1.193	1.209	1.231	0.948	1.299	1.187	1.171	8.71
73)	ethylbenzene										
		4.356	4.313	4.578	4.627	4.693	3.701	5.130	4.848	4.531	9.38
74)	m,p-xylene										
		1.850	1.798	1.872	1.932	1.980	1.578	2.299	2.137	1.931	11.30
75)	o-xylene										
		1.899	1.862	1.970	1.946	2.060	1.634	2.387	2.174	1.992	11.24
76)	styrene										
		2.856	2.579	2.898	2.933	3.162	2.512	3.461	3.202	2.950	10.80
77)	bromoform										
		0.710	0.667	0.719	0.761	0.830	0.635	0.854	0.784	0.745	10.27
78)	trans-1,4-dichloro-2-butene										
		0.329	0.349	0.348	0.351	0.418	0.309	0.438	0.394	0.367	12.26
79)	I 1,4-dichlorobenzene-d ----------ISTD----------										
80)	isopropylbenzene										
		4.053	3.778	4.002	4.141	4.492	3.620	4.360	4.097	4.068	6.95
81)	bromofluorobenzene (s)										
		0.803	0.841	0.856	0.952	1.097	0.879	0.962	0.913	10.92	
82)	bromobenzene										
		1.079	1.039	1.057	1.139	1.215	0.966	1.124	1.049	1.083	6.96
83)	1,1,2,2-tetrachloroethane										
		0.911	0.859	0.937	0.955	1.189	0.879	1.050	0.975	0.969	11.04
84)	1,2,3-trichloropropane										
		0.936	0.915	0.972	0.971	1.169	0.897	1.044	0.972	0.985	8.82
85)	n-propylbenzene										
		4.297	4.108	4.250	4.452	4.811	3.912	4.757	4.422	4.376	6.97
86)	2-chlorotoluene										
		2.635	2.458	2.672	2.679	2.865	2.351	2.873	2.683	2.652	6.77
87)	4-chlorotoluene										
		2.589	2.407	2.508	2.607	2.817	2.317	2.800	2.645	2.586	6.75
88)	1,3,5-trimethylbenzene										
		3.291	2.989	3.221	3.306	3.679	3.039	3.762	3.501	3.349	8.37
89)	tert-butylbenzene										
		1.781	1.738	1.776	1.835	2.031	1.670	2.101	1.979	1.864	8.26
90)	1,2,4-trimethylbenzene										
		3.228	2.897	3.148	3.251	3.611	2.994	3.744	3.467	3.293	8.95
91)	sec-butylbenzene										
		4.509	4.147	4.453	4.606	5.030	4.144	5.214	4.721	4.603	8.29
92)	1,3-dichlorobenzene										
		2.102	2.014	2.108	2.131	2.289	1.858	2.205	2.062	2.096	6.11
93)	p-isopropyltoluene										
		3.523	3.296	3.533	3.574	3.974	3.328	4.148	3.906	3.660	8.53
94)	1,4-dichlorobenzene										
		2.059	2.098	2.095	2.110	2.331	1.886	2.271	2.122	2.121	6.34
95)	1,2-dichlorobenzene										
		2.121	1.998	2.099	2.128	2.409	1.886	2.192	2.057	2.111	7.22
96)	n-butylbenzene										
		3.079	2.872	3.027	3.042	3.482	2.898	3.449	3.239	3.136	7.41
97)	1,2-dibromo-3-chloropropane										
		0.183	0.206	0.197	0.239	0.174	0.194	0.180	0.196	11.08	
98)	1,3,5-trichlorobenzene										
		1.369	1.335	1.377	1.330	1.521	1.237	1.350	1.289	1.351	6.11
99)	1,2,4-trichlorobenzene										
		1.284	1.277	1.270	1.278	1.532	1.191	1.288	1.208	1.291	8.07

Initial Calibration Summary

Job Number: MC24849 **Sample:** MSM2064-ICC2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59589.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

100)	hexachlorobutadiene									
		0.725	0.745	0.747	0.743	0.848	0.675	0.771	0.729	0.748	6.53
101)	naphthalene									
		3.612	3.307	3.407	3.614	4.920	3.702	4.095	3.921	3.822	13.37
102)	1,2,3-trichlorobenzene									
		1.291	1.269	1.300	1.301	1.639	1.241	1.344	1.245	1.329	9.77
103)	2-methylnaphthalene									
		1.873		1.727	1.831	2.428	1.995	2.046	1.947	1.978	11.37
104)	1-methylnaphthalene									
		5.998		6.922	6.699	7.417	6.146	6.228	5.864	6.468	8.71

(#) = Out of Range ### Number of calibration levels exceeded format ###

M130925S.M Thu Sep 26 15:19:58 2013

Initial Calibration Verification

Job Number: MC24849 **Sample:** MSM2064-ICV2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59596.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M130925S\m59596.D Vial: 17
Acq On : 26 Sep 2013 2:49 am Operator: krystend
Sample : cc2064-50 Inst : GCMS M
Misc : MS30022,MSM2064,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130925S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Sep 26 15:09:52 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	187	0.00	6.84
			Amount	Calc.	%Drift			
2	M	tertiary butyl alcohol	500.000	359.095	28.2#	133	0.00	6.93
3		Ethanol	5000.000	2360.173	52.8#	73	0.00	5.66
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	108	0.00	9.35
5	M	dichlorodifluoromethane	0.660	0.890	-34.8#	145	0.00	4.44
6	P	chloromethane	1.076	1.379	-28.2#	133	0.00	4.70
7	c	vinyl chloride	1.068	1.116	-4.5	111	-0.01	4.97
8	M	bromomethane	0.516	0.575	-11.4	118	0.00	5.51
9	M	chloroethane	0.364	0.450	-23.6#	120	0.00	5.68
10	M	ethyl ether	0.459	0.450	2.0	95	0.00	6.58
11	M	acetonitrile	0.144	0.137	4.9	107	0.00	6.57
12	M	trichlorofluoromethane	0.922	1.122	-21.7#	117	0.00	6.34
13	M	freon-113	0.486	0.625	-28.6#	120	0.00	7.15
14	M	acrolein	0.104	0.011	89.4#	10#	0.03	6.35
15	c	1,1-dichloroethene	0.563	0.587	-4.3	108	0.00	6.95
			Amount	Calc.	%Drift			
16	M	acetone	50.000	55.426	-10.9	101	0.03	6.49
			AvgRF	CCRF	%Dev			
17	M	Methyl Acetate	0.860	0.113	86.9#	13#	0.04	7.16
18	M	methylene chloride	0.607	0.613	-1.0	101	0.00	7.11
19	M	methyl tert butyl ether	1.254	1.161	7.4	90	0.00	7.91
20	M	acrylonitrile	0.237	0.236	0.4	91	0.02	7.01
21	M	allyl chloride	1.111	1.239	-11.5	112	0.00	7.20
22	M	trans-1,2-dichloroethene	0.610	0.680	-11.5	113	0.00	7.81
23	M	iodomethane	1.152	1.285	-11.5	109	0.00	7.01
24	M	carbon disulfide	1.744	2.118	-21.4#	121	0.00	7.40
			Amount	Calc.	%Drift			
25	M	propionitrile	50.000	46.506	7.0	90	0.03	8.10
26	M	vinyl acetate	50.000	8.324	83.4#	8	0.04	8.20
			AvgRF	CCRF	%Dev			
27	M	chloroprene	0.972	1.284	-32.1#	131	0.00	8.45
28	M	di-isopropyl ether	2.416	2.344	3.0	96	0.00	8.49
29	M	methacrylonitrile	0.375	0.378	-0.8	96	0.00	8.60

Initial Calibration Verification

Job Number: MC24849 **Sample:** MSM2064-ICV2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59596.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
30	M	2-butanone	50.000	50.124	-0.2	97	0.02	8.51
			AvgRF	CCRF	%Dev			
31	P	1,1-dichloroethane	1.004	1.203	-19.8	120	0.00	8.08
32	M	tert-butyl ethyl ether	1.659	1.590	4.2	94	0.00	8.88
33	M	isobutyl alcohol	0.088	0.093	-5.7	101	0.00	8.89
34	M	2,2-dichloropropane	0.622	0.773	-24.3#	123	0.00	8.95
35	M	cis-1,2-dichloroethene	0.700	0.695	0.7	101	0.00	8.65
36	M	ethyl acetate	0.439	0.465	-5.9	100	0.00	8.89
37	M	bromochloromethane	0.342	0.352	-2.9	101	0.00	8.83
38	c	chloroform	0.990	1.094	-10.5	110	0.00	8.86
39	S	dibromofluoromethane (s)	0.589	0.479	18.7	83	0.00	8.99
40	M	Tetrahydrofuran	0.232	0.225	3.0	94	0.00	9.19
41	M	1,1,1-trichloroethane	0.837	1.065	-27.2#	125	0.00	9.63
42	I	1,4-difluorobenzene	1.000	1.000	0.0	106	0.00	10.23
43	M	Cyclohexane	0.679	0.820	-20.8#	117	0.00	9.92
44	M	carbon tetrachloride	0.543	0.710	-30.8#	127	0.00	10.00
45	M	1,1-dichloropropene	0.483	0.575	-19.0	117	0.00	9.81
46	M	benzene	1.550	1.654	-6.7	109	0.00	10.03
47	M	1,2-dichloroethane	0.515	0.501	2.7	93	0.00	9.53
48	M	tert-amyl methyl ether	0.797	0.724	9.2	86	0.00	10.15
49	M	heptane	0.708	0.856	-20.9#	119	0.00	10.51
			Amount	Calc.	%Drift			
50	M	trichloroethene	50.000	53.721	-7.4	107	0.00	10.66
			AvgRF	CCRF	%Dev			
51	c	1,2-dichloropropane	0.429	0.427	0.5	97	0.00	10.62
52	M	dibromomethane	0.227	0.236	-4.0	99	0.00	10.60
53	M	bromodichloromethane	0.527	0.524	0.6	96	0.00	10.72
54	M	Methylcyclohexane	0.642	0.808	-25.9#	121	0.00	11.18
55	M	2-chloroethyl vinyl ether	0.153	0.007	95.4#	5#	0.10	11.18
56	M	methyl methacrylate	0.225	0.221	1.8	91	0.00	10.80
			Amount	Calc.	%Drift			
57	M	1,4-dioxane	250.000	238.926	4.4	83	0.00	10.81
			AvgRF	CCRF	%Dev			
58	M	cis-1,3-dichloropropene	0.602	0.560	7.0	88	0.00	11.34
59	S	toluene-d8 (s)	1.317	1.175	10.8	89	0.00	12.04
60	M	4-methyl-2-pentanone	0.460	0.500	-8.7	96	0.00	11.42
61	c	toluene	0.979	1.084	-10.7	107	0.00	12.12
62	M	trans-1,3-dichloropropene	0.507	0.491	3.2	91	0.00	11.75
63	M	1,1,2-trichloroethane	0.282	0.265	6.0	89	0.00	11.93
			Amount	Calc.	%Drift			
64	M	ethyl methacrylate	50.000	46.177	7.6	93	0.00	12.12
			AvgRF	CCRF	%Dev			
65	I	chlorobenzene-d5	1.000	1.000	0.0	104	0.00	13.51
66	M	tetrachloroethene	1.046	1.256	-20.1#	124	0.00	12.86
67	M	1,3-dichloropropane	1.299	1.181	9.1	90	0.00	12.16
68	M	dibromochloromethane	1.177	1.088	7.6	91	0.00	12.46
69	M	1,2-dibromoethane	0.918	0.856	6.8	92	0.00	12.71
70	M	2-hexanone	0.791	0.838	-5.9	97	0.00	12.29
71	P	chlorobenzene	3.006	2.871	4.5	96	0.00	13.54

Initial Calibration Verification

Job Number: MC24849 **Sample:** MSM2064-ICV2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59596.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

72	M	1,1,1,2-tetrachloroethane	1.171	1.123	4.1	95	0.00	13.46
73	c	ethylbenzene	4.531	4.842	-6.9	108	0.00	13.71
74	M	m,p-xylene	1.931	2.002	-3.7	106	0.00	13.90
75	M	o-xylene	1.992	1.967	1.3	100	0.00	14.31
76	M	styrene	2.950	2.820	4.4	93	0.00	14.24
77	P	bromoform	0.745	0.753	-1.1	95	0.00	14.07
78	M	trans-1,4-dichloro-2-bute	0.367	0.344	6.3	86	0.00	14.46
79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	108	0.00	16.07
80	M	isopropylbenzene	4.068	4.417	-8.6	106	0.00	14.68
81	S	bromofluorobenzene (s)	0.913	0.711	22.1#	80	0.00	14.74
82	M	bromobenzene	1.083	1.050	3.0	93	0.00	14.97
83	P	1,1,2,2-tetrachloroethane	0.969	0.930	4.0	84	0.00	14.32
84	M	1,2,3-trichloropropane	0.985	0.970	1.5	89	0.00	14.46
85	M	n-propylbenzene	4.376	4.641	-6.1	104	0.00	15.12
86	M	2-chlorotoluene	2.652	2.562	3.4	96	0.00	15.24
87	M	4-chlorotoluene	2.586	2.523	2.4	96	0.00	15.32
88	M	1,3,5-trimethylbenzene	3.349	3.521	-5.1	103	0.00	15.40
89	M	tert-butylbenzene	1.864	2.010	-7.8	107	0.00	15.70
90	M	1,2,4-trimethylbenzene	3.293	3.348	-1.7	100	0.00	15.81
91	M	sec-butylbenzene	4.603	4.995	-8.5	107	0.00	15.92
92	M	1,3-dichlorobenzene	2.096	1.872	10.7	88	0.00	16.03
93	M	p-isopropyltoluene	3.660	4.179	-14.2	113	0.00	16.10
94	M	1,4-dichlorobenzene	2.121	1.932	8.9	89	0.00	16.10
95	M	1,2-dichlorobenzene	2.111	1.822	13.7	81	0.00	16.47
96	M	n-butylbenzene	3.136	3.470	-10.7	107	0.00	16.52
97	M	1,2-dibromo-3-chloropropa	0.196	0.194	1.0	88	0.00	16.95
98		1,3,5-trichlorobenzene	1.351	1.232	8.8	87	0.00	17.76
99	M	1,2,4-trichlorobenzene	1.291	1.050	18.7	74	0.00	18.30
100	M	hexachlorobutadiene	0.748	0.842	-12.6	107	0.00	18.60
101	M	naphthalene	3.822	3.547	7.2	78	0.00	18.58
102	M	1,2,3-trichlorobenzene	1.329	1.082	18.6	71	0.00	18.79
103		2-methylnaphthalene	1.978	1.771	10.5	79	0.00	19.97
104		1-methylnaphthalene	6.468	6.301	2.6	91	0.00	20.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m59589.D M130925S.M Thu Sep 26 15:14:51 2013

Initial Calibration Verification

Job Number: MC24849 **Sample:** MSM2065-ICV2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59614.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M130926S\m59614.D Vial: 16
Acq On : 26 Sep 2013 2:42 pm Operator: krystend
Sample : cc2064-50 Inst : GCMS M
Misc : MS30032,MSM2065,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130925S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Sep 26 15:09:52 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	111	0.00	6.85
			Amount	Calc.	%Drift			
2	M	tertiary butyl alcohol	500.000	410.302	17.9	89	0.00	6.93
3		Ethanol	5000.000	3834.538	23.3#	73	0.02	5.67
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	110	0.00	9.35
5	M	dichlorodifluoromethane	0.660	0.736	-11.5	122	-0.02	4.43
6	P	chloromethane	1.076	1.242	-15.4	122	0.00	4.70
7	c	vinyl chloride	1.068	0.960	10.1	97	-0.01	4.97
8	M	bromomethane	0.516	0.522	-1.2	109	0.00	5.50
9	M	chloroethane	0.364	0.399	-9.6	109	0.00	5.68
10	M	ethyl ether	0.459	0.462	-0.7	99	0.00	6.58
11	M	acetonitrile	0.144	0.166	-15.3	132	0.00	6.58
12	M	trichlorofluoromethane	0.922	0.926	-0.4	98	0.00	6.34
13	M	freon-113	0.486	0.526	-8.2	103	0.00	7.15
14	M	acrolein	0.104	0.053	49.0#	50	0.02	6.34
15	c	1,1-dichloroethene	0.563	0.571	-1.4	107	0.00	6.95
			Amount	Calc.	%Drift			
16	M	acetone	50.000	47.896	4.2	89	0.03	6.49
			AvgRF	CCRF	%Dev			
17	M	Methyl Acetate	0.860	0.652	24.2#	74	0.01	7.13
18	M	methylene chloride	0.607	0.626	-3.1	105	0.00	7.11
19	M	methyl tert butyl ether	1.254	1.211	3.4	96	0.00	7.91
20	M	acrylonitrile	0.237	0.217	8.4	86	0.02	7.01
21	M	allyl chloride	1.111	1.094	1.5	101	0.00	7.20
22	M	trans-1,2-dichloroethene	0.610	0.625	-2.5	106	0.00	7.81
23	M	iodomethane	1.152	1.174	-1.9	102	0.00	7.01
24	M	carbon disulfide	1.744	1.811	-3.8	106	0.00	7.40
			Amount	Calc.	%Drift			
25	M	propionitrile	50.000	42.072	15.9	83	0.04	8.11
26	M	vinyl acetate	50.000	25.484	49.0#	47	0.02	8.18
			AvgRF	CCRF	%Dev			
27	M	chloroprene	0.972	1.112	-14.4	116	0.00	8.45
28	M	di-isopropyl ether	2.416	2.293	5.1	96	0.00	8.49
29	M	methacrylonitrile	0.375	0.349	6.9	90	0.00	8.61

Initial Calibration Verification

Job Number: MC24849 **Sample:** MSM2065-ICV2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59614.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
30	M	2-butanone	50.000	64.520	-29.0#	132	0.01	8.50
			AvgRF	CCRF	%Dev			
31	P	1,1-dichloroethane	1.004	1.097	-9.3	112	0.00	8.08
32	M	tert-butyl ethyl ether	1.659	1.677	-1.1	101	0.00	8.89
33	M	isobutyl alcohol	0.088	0.086	2.3	95	0.00	8.88
34	M	2,2-dichloropropane	0.622	0.683	-9.8	111	0.00	8.95
35	M	cis-1,2-dichloroethene	0.700	0.659	5.9	98	0.00	8.65
36	M	ethyl acetate	0.439	0.429	2.3	95	0.00	8.88
37	M	bromochloromethane	0.342	0.365	-6.7	107	0.00	8.83
38	c	chloroform	0.990	1.049	-6.0	108	0.00	8.86
39	S	dibromofluoromethane (s)	0.589	0.418	29.0#	74	0.00	8.99
40	M	Tetrahydrofuran	0.232	0.197	15.1	84	0.00	9.20
41	M	1,1,1-trichloroethane	0.837	0.899	-7.4	108	0.00	9.63
42	I	1,4-difluorobenzene	1.000	1.000	0.0	110	0.00	10.23
43	M	Cyclohexane	0.679	0.637	6.2	95	0.00	9.92
44	M	carbon tetrachloride	0.543	0.581	-7.0	108	0.00	10.00
45	M	1,1-dichloropropene	0.483	0.496	-2.7	105	0.00	9.81
46	M	benzene	1.550	1.478	4.6	101	0.00	10.03
47	M	1,2-dichloroethane	0.515	0.503	2.3	98	0.00	9.52
48	M	tert-amyl methyl ether	0.797	0.796	0.1	98	0.00	10.15
49	M	heptane	0.708	0.667	5.8	97	0.00	10.51
			Amount	Calc.	%Drift			
50	M	trichloroethene	50.000	48.019	4.0	100	0.00	10.66
			AvgRF	CCRF	%Dev			
51	c	1,2-dichloropropane	0.429	0.410	4.4	97	0.00	10.62
52	M	dibromomethane	0.227	0.234	-3.1	103	0.00	10.60
53	M	bromodichloromethane	0.527	0.518	1.7	99	0.00	10.72
54	M	Methylcyclohexane	0.642	0.636	0.9	99	0.00	11.18
55	M	2-chloroethyl vinyl ether	0.153	0.125	18.3	82	0.00	11.09
56	M	methyl methacrylate	0.225	0.229	-1.8	98	0.00	10.80
			Amount	Calc.	%Drift			
57	M	1,4-dioxane	250.000	242.784	2.9	88	0.00	10.81
			AvgRF	CCRF	%Dev			
58	M	cis-1,3-dichloropropene	0.602	0.578	4.0	95	0.00	11.34
59	S	toluene-d8 (s)	1.317	0.970	26.3#	77	0.00	12.04
60	M	4-methyl-2-pentanone	0.460	0.421	8.5	85	0.00	11.42
61	c	toluene	0.979	0.972	0.7	100	0.00	12.12
62	M	trans-1,3-dichloropropene	0.507	0.514	-1.4	100	0.00	11.75
63	M	1,1,2-trichloroethane	0.282	0.267	5.3	94	0.00	11.93
			Amount	Calc.	%Drift			
64	M	ethyl methacrylate	50.000	40.212	19.6	82	0.00	12.12
			AvgRF	CCRF	%Dev			
65	I	chlorobenzene-d5	1.000	1.000	0.0	107	0.00	13.51
66	M	tetrachloroethene	1.046	1.121	-7.2	113	0.00	12.86
67	M	1,3-dichloropropane	1.299	1.188	8.5	93	0.00	12.16
68	M	dibromochloromethane	1.177	1.121	4.8	96	0.00	12.46
69	M	1,2-dibromoethane	0.918	0.849	7.5	93	0.00	12.71
70	M	2-hexanone	0.791	0.854	-8.0	101	0.00	12.28
71	P	chlorobenzene	3.006	2.806	6.7	96	0.00	13.55

Initial Calibration Verification

Job Number: MC24849 **Sample:** MSM2065-ICV2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59614.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

72	M	1,1,1,2-tetrachloroethane	1.171	1.098	6.2	95	0.00	13.46
73	c	ethylbenzene	4.531	4.405	2.8	100	0.00	13.71
74	M	m,p-xylene	1.931	1.868	3.3	101	0.00	13.90
75	M	o-xylene	1.992	1.835	7.9	95	0.00	14.31
76	M	styrene	2.950	2.965	-0.5	100	0.00	14.24
77	P	bromoform	0.745	0.748	-0.4	96	0.00	14.07
78	M	trans-1,4-dichloro-2-bute	0.367	0.340	7.4	87	0.00	14.46
79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	16.07
80	M	isopropylbenzene	4.068	4.053	0.4	96	0.00	14.68
81	S	bromofluorobenzene (s)	0.913	0.708	22.5#	79	0.00	14.74
82	M	bromobenzene	1.083	1.125	-3.9	98	0.00	14.97
83	P	1,1,2,2-tetrachloroethane	0.969	0.913	5.8	82	0.00	14.32
84	M	1,2,3-trichloropropane	0.985	0.950	3.6	86	0.00	14.47
85	M	n-propylbenzene	4.376	4.311	1.5	95	0.00	15.12
86	M	2-chlorotoluene	2.652	2.560	3.5	95	0.00	15.24
87	M	4-chlorotoluene	2.586	2.653	-2.6	100	0.00	15.32
88	M	1,3,5-trimethylbenzene	3.349	3.382	-1.0	98	0.00	15.40
89	M	tert-butylbenzene	1.864	1.812	2.8	95	0.00	15.71
90	M	1,2,4-trimethylbenzene	3.293	3.353	-1.8	99	0.00	15.81
91	M	sec-butylbenzene	4.603	4.473	2.8	95	0.00	15.93
92	M	1,3-dichlorobenzene	2.096	2.131	-1.7	99	0.00	16.03
93	M	p-isopropyltoluene	3.660	3.914	-6.9	105	0.00	16.10
94	M	1,4-dichlorobenzene	2.121	2.231	-5.2	102	0.00	16.10
95	M	1,2-dichlorobenzene	2.111	2.044	3.2	90	0.00	16.47
96	M	n-butylbenzene	3.136	3.249	-3.6	99	0.00	16.52
97	M	1,2-dibromo-3-chloropropa	0.196	0.166	15.3	74	0.00	16.95
98		1,3,5-trichlorobenzene	1.351	1.486	-10.0	104	0.00	17.76
99	M	1,2,4-trichlorobenzene	1.291	1.419	-9.9	98	0.00	18.30
100	M	hexachlorobutadiene	0.748	0.756	-1.1	95	0.00	18.60
101	M	naphthalene	3.822	3.661	4.2	79	0.00	18.58
102	M	1,2,3-trichlorobenzene	1.329	1.373	-3.3	89	0.00	18.79
103		2-methylnaphthalene	1.978	2.102	-6.3	92	0.00	19.97
104		1-methylnaphthalene	6.468	6.645	-2.7	95	0.00	20.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m59589.D M130925S.M Thu Sep 26 15:20:42 2013

Continuing Calibration Summary

Job Number: MC24849 **Sample:** MSM2080-CC2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59999.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M131006S\m59999.D Vial: 27
Acq On : 6 Oct 2013 9:01 pm Operator: krystend
Sample : cc2064-50 Inst : GCMS M
Misc : MS30132,MSM2080,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130925S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Sep 26 15:09:52 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	71	0.00	6.85
			Amount	Calc.	%Drift			
2	M	tertiary butyl alcohol	500.000	414.161	17.2	57	0.00	6.94
3		Ethanol	5000.000	4954.692	0.9	61	0.00	5.66
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	66	0.00	9.35
5	M	dichlorodifluoromethane	0.660	0.567	14.1	57	-0.02	4.43
6	P	chloromethane	1.076	1.102	-2.4	65	0.00	4.70
7	c	vinyl chloride	1.068	1.088	-1.9	66	0.00	4.98
8	M	bromomethane	0.516	0.536	-3.9	68	0.00	5.51
9	M	chloroethane	0.364	0.422	-15.9	69	0.00	5.67
10	M	ethyl ether	0.459	0.530	-15.5	69	0.00	6.58
11	M	acetonitrile	0.144	0.144	0.0	69	0.00	6.57
12	M	trichlorofluoromethane	0.922	1.091	-18.3	70	0.00	6.33
13	M	freon-113	0.486	0.591	-21.6#	70	0.00	7.15
14	M	acrolein	0.104	0.113	-8.7	65	0.00	6.32
15	c	1,1-dichloroethene	0.563	0.615	-9.2	69	0.00	6.95
			Amount	Calc.	%Drift			
16	M	acetone	50.000	59.668	-19.3	67	0.11	6.57
			AvgRF	CCRF	%Dev			
17	M	Methyl Acetate	0.860	0.959	-11.5	65	0.00	7.13
18	M	methylene chloride	0.607	0.744	-22.6#	75	0.00	7.10
19	M	methyl tert butyl ether	1.254	1.415	-12.8	67	0.00	7.91
20	M	acrylonitrile	0.237	0.269	-13.5	64	0.02	7.01
21	M	allyl chloride	1.111	1.219	-9.7	68	0.00	7.20
22	M	trans-1,2-dichloroethene	0.610	0.685	-12.3	70	0.00	7.81
23	M	iodomethane	1.152	1.325	-15.0	69	0.00	7.01
24	M	carbon disulfide	1.744	1.969	-12.9	69	0.00	7.40
			Amount	Calc.	%Drift			
25	M	propionitrile	50.000	51.913	-3.8	62	0.09	8.16
26	M	vinyl acetate	50.000	49.427	1.1	61	0.01	8.18
			AvgRF	CCRF	%Dev			
27	M	chloroprene	0.972	1.106	-13.8	69	0.00	8.45
28	M	di-isopropyl ether	2.416	2.743	-13.5	69	0.00	8.49
29	M	methacrylonitrile	0.375	0.429	-14.4	67	0.00	8.60

Continuing Calibration Summary

Job Number: MC24849 **Sample:** MSM2080-CC2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59999.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
30	M	2-butanone	50.000	54.979	-10.0	66	0.01	8.50
			AvgRF	CCRF	%Dev			
31	P	1,1-dichloroethane	1.004	1.161	-15.6	71	0.00	8.07
32	M	tert-butyl ethyl ether	1.659	1.860	-12.1	67	0.00	8.88
33	M	isobutyl alcohol	0.088	0.092	-4.5	61	0.00	8.89
34	M	2,2-dichloropropane	0.622	0.700	-12.5	68	0.00	8.95
35	M	cis-1,2-dichloroethene	0.700	0.792	-13.1	71	0.00	8.65
36	M	ethyl acetate	0.439	0.462	-5.2	61	0.00	8.89
37	M	bromochloromethane	0.342	0.393	-14.9	69	0.00	8.83
38	c	chloroform	0.990	1.171	-18.3	72	0.00	8.86
39	S	dibromofluoromethane (s)	0.589	0.456	22.6#	49#	0.00	8.98
40	M	Tetrahydrofuran	0.232	0.238	-2.6	61	0.00	9.19
41	M	1,1,1-trichloroethane	0.837	0.980	-17.1	71	0.00	9.63
42	I	1,4-difluorobenzene	1.000	1.000	0.0	70	0.00	10.23
43	M	Cyclohexane	0.679	0.720	-6.0	68	0.00	9.92
44	M	carbon tetrachloride	0.543	0.605	-11.4	72	0.00	10.00
45	M	1,1-dichloropropene	0.483	0.518	-7.2	70	0.00	9.81
46	M	benzene	1.550	1.644	-6.1	71	0.00	10.03
47	M	1,2-dichloroethane	0.515	0.557	-8.2	69	0.00	9.52
48	M	tert-amyl methyl ether	0.797	0.860	-7.9	67	0.00	10.15
49	M	heptane	0.708	0.709	-0.1	66	0.00	10.51
			Amount	Calc.	%Drift			
50	M	trichloroethene	50.000	53.106	-6.2	70	0.00	10.66
			AvgRF	CCRF	%Dev			
51	c	1,2-dichloropropane	0.429	0.471	-9.8	71	0.00	10.62
52	M	dibromomethane	0.227	0.255	-12.3	71	0.00	10.60
53	M	bromodichloromethane	0.527	0.587	-11.4	71	0.00	10.72
54	M	Methylcyclohexane	0.642	0.680	-5.9	67	0.00	11.18
55	M	2-chloroethyl vinyl ether	0.153	0.158	-3.3	66	0.00	11.09
56	M	methyl methacrylate	0.225	0.246	-9.3	67	0.00	10.80
			Amount	Calc.	%Drift			
57	M	1,4-dioxane	250.000	275.405	-10.2	63	0.00	10.81
			AvgRF	CCRF	%Dev			
58	M	cis-1,3-dichloropropene	0.602	0.665	-10.5	69	0.00	11.34
59	S	toluene-d8 (s)	1.317	1.002	23.9#	50	0.00	12.04
60	M	4-methyl-2-pentanone	0.460	0.492	-7.0	63	0.00	11.42
61	c	toluene	0.979	1.073	-9.6	70	0.00	12.12
62	M	trans-1,3-dichloropropene	0.507	0.560	-10.5	69	0.00	11.75
63	M	1,1,2-trichloroethane	0.282	0.319	-13.1	71	0.00	11.93
			Amount	Calc.	%Drift			
64	M	ethyl methacrylate	50.000	49.754	0.5	67	0.00	12.12
			AvgRF	CCRF	%Dev			
65	I	chlorobenzene-d5	1.000	1.000	0.0	75	0.00	13.51
66	M	tetrachloroethene	1.046	0.918	12.2	65	0.00	12.86
67	M	1,3-dichloropropane	1.299	1.267	2.5	69	0.00	12.16
68	M	dibromochloromethane	1.177	1.161	1.4	69	0.00	12.46
69	M	1,2-dibromoethane	0.918	0.891	2.9	68	0.00	12.71
70	M	2-hexanone	0.791	0.721	8.8	60	0.00	12.29
71	P	chlorobenzene	3.006	2.957	1.6	71	0.00	13.55

Continuing Calibration Summary

Job Number: MC24849 **Sample:** MSM2080-CC2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M59999.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

72	M	1,1,1,2-tetrachloroethane	1.171	1.127	3.8	69	0.00	13.46
73	c	ethylbenzene	4.531	4.410	2.7	70	0.00	13.71
74	M	m,p-xylene	1.931	1.911	1.0	72	0.00	13.90
75	M	o-xylene	1.992	1.960	1.6	71	0.00	14.31
76	M	styrene	2.950	2.975	-0.8	70	0.00	14.24
77	P	bromoform	0.745	0.703	5.6	63	0.00	14.07
78	M	trans-1,4-dichloro-2-bute	0.367	0.340	7.4	61	0.00	14.46
79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	78	0.00	16.07
80	M	isopropylbenzene	4.068	4.065	0.1	70	0.00	14.68
81	S	bromofluorobenzene (s)	0.913	0.663	27.4#	54	0.00	14.74
82	M	bromobenzene	1.083	1.060	2.1	68	0.00	14.97
83	P	1,1,2,2-tetrachloroethane	0.969	0.977	-0.8	64	0.00	14.32
84	M	1,2,3-trichloropropane	0.985	0.960	2.5	64	0.00	14.46
85	M	n-propylbenzene	4.376	4.375	0.0	71	0.00	15.12
86	M	2-chlorotoluene	2.652	2.630	0.8	71	0.00	15.24
87	M	4-chlorotoluene	2.586	2.592	-0.2	71	0.00	15.32
88	M	1,3,5-trimethylbenzene	3.349	3.405	-1.7	72	0.00	15.40
89	M	tert-butylbenzene	1.864	1.852	0.6	71	0.00	15.70
90	M	1,2,4-trimethylbenzene	3.293	3.322	-0.9	71	0.00	15.81
91	M	sec-butylbenzene	4.603	4.629	-0.6	71	0.00	15.92
92	M	1,3-dichlorobenzene	2.096	2.089	0.3	71	0.00	16.03
93	M	p-isopropyltoluene	3.660	3.662	-0.1	71	0.00	16.10
94	M	1,4-dichlorobenzene	2.121	2.151	-1.4	72	0.00	16.10
95	M	1,2-dichlorobenzene	2.111	2.082	1.4	67	0.00	16.47
96	M	n-butylbenzene	3.136	3.169	-1.1	71	0.00	16.52
97	M	1,2-dibromo-3-chloropropa	0.196	0.175	10.7	57	0.00	16.95
98		1,3,5-trichlorobenzene	1.351	1.193	11.7	61	0.00	17.76
99	M	1,2,4-trichlorobenzene	1.291	1.126	12.8	57	0.00	18.30
100	M	hexachlorobutadiene	0.748	0.603	19.4	55	0.00	18.60
101	M	naphthalene	3.822	3.361	12.1	53	0.00	18.58
102	M	1,2,3-trichlorobenzene	1.329	1.129	15.0	53	0.00	18.79
103		2-methylnaphthalene	1.978	1.539	22.2#	49#	0.00	19.97
104		1-methylnaphthalene	6.468	5.015	22.5#	52	0.00	20.22

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m59589.D M130925S.M Mon Oct 07 09:21:20 2013

Continuing Calibration Summary

Job Number: MC24849 **Sample:** MSM2081-CC2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M60022.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M131007S\m60022.D Vial: 1
Acq On : 7 Oct 2013 9:17 am Operator: krystend
Sample : cc2064-50 Inst : GCMS M
Misc : MS30133,MSM2081,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130925S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Sep 26 15:09:52 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	73	0.00	6.84
			Amount	Calc.	%Drift			
2	M	tertiary butyl alcohol	500.000	448.964	10.2	63	0.00	6.93
3		Ethanol	5000.000	5224.277	-4.5	66	0.00	5.65
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	75	0.00	9.35
5	M	dichlorodifluoromethane	0.660	0.787	-19.2	89	-0.03	4.42
6	P	chloromethane	1.076	1.235	-14.8	82	0.00	4.70
7	c	vinyl chloride	1.068	1.222	-14.4	84	-0.03	4.96
8	M	bromomethane	0.516	0.571	-10.7	81	-0.01	5.50
9	M	chloroethane	0.364	0.432	-18.7	80	-0.02	5.66
10	M	ethyl ether	0.459	0.523	-13.9	76	0.00	6.57
11	M	acetonitrile	0.144	0.152	-5.6	82	0.00	6.57
12	M	trichlorofluoromethane	0.922	1.178	-27.8#	85	0.00	6.33
13	M	freon-113	0.486	0.624	-28.4#	83	-0.01	7.14
14	M	acrolein	0.104	0.119	-14.4	77	0.00	6.32
15	c	1,1-dichloroethene	0.563	0.629	-11.7	80	-0.01	6.94
			Amount	Calc.	%Drift			
16	M	acetone	50.000	54.095	-8.2	68	0.03	6.49
			AvgRF	CCRF	%Dev			
17	M	Methyl Acetate	0.860	0.937	-9.0	72	0.00	7.13
18	M	methylene chloride	0.607	0.731	-20.4#	83	0.00	7.10
19	M	methyl tert butyl ether	1.254	1.388	-10.7	74	0.00	7.90
20	M	acrylonitrile	0.237	0.276	-16.5	74	0.00	7.00
21	M	allyl chloride	1.111	1.230	-10.7	77	0.00	7.19
22	M	trans-1,2-dichloroethene	0.610	0.711	-16.6	82	0.00	7.81
23	M	iodomethane	1.152	1.391	-20.7#	82	0.00	7.00
24	M	carbon disulfide	1.744	2.094	-20.1#	83	0.00	7.39
			Amount	Calc.	%Drift			
25	M	propionitrile	50.000	50.246	-0.5	68	0.03	8.10
26	M	vinyl acetate	50.000	45.564	8.9	62	0.00	8.17
			AvgRF	CCRF	%Dev			
27	M	chloroprene	0.972	1.130	-16.3	80	0.00	8.44
28	M	di-isopropyl ether	2.416	2.651	-9.7	75	0.00	8.48
29	M	methacrylonitrile	0.375	0.404	-7.7	71	0.00	8.60

Continuing Calibration Summary

Job Number: MC24849 **Sample:** MSM2081-CC2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M60022.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
30	M	2-butanone	50.000	52.797	-5.6	71	0.01	8.50

			AvgRF	CCRF	%Dev			
31	P	1,1-dichloroethane	1.004	1.147	-14.2	79	0.00	8.07
32	M	tert-butyl ethyl ether	1.659	1.806	-8.9	74	0.00	8.88
33	M	isobutyl alcohol	0.088	0.087	1.1	65	0.00	8.88
34	M	2,2-dichloropropane	0.622	0.740	-19.0	81	0.00	8.95
35	M	cis-1,2-dichloroethene	0.700	0.784	-12.0	79	0.00	8.65
36	M	ethyl acetate	0.439	0.433	1.4	65	0.00	8.88
37	M	bromochloromethane	0.342	0.397	-16.1	79	0.00	8.82
38	c	chloroform	0.990	1.146	-15.8	80	0.00	8.86
39	S	dibromofluoromethane (s)	0.589	0.441	25.1#	53	0.00	8.98
40	M	Tetrahydrofuran	0.232	0.224	3.4	65	0.00	9.19
41	M	1,1,1-trichloroethane	0.837	0.993	-18.6	81	0.00	9.63
42	I	1,4-difluorobenzene	1.000	1.000	0.0	77	0.00	10.23
43	M	Cyclohexane	0.679	0.767	-13.0	79	0.00	9.91
44	M	carbon tetrachloride	0.543	0.636	-17.1	83	0.00	10.00
45	M	1,1-dichloropropene	0.483	0.553	-14.5	82	0.00	9.80
46	M	benzene	1.550	1.702	-9.8	81	0.00	10.03
47	M	1,2-dichloroethane	0.515	0.566	-9.9	77	0.00	9.52
48	M	tert-amyl methyl ether	0.797	0.833	-4.5	72	0.00	10.15
49	M	heptane	0.708	0.831	-17.4	84	0.00	10.51

			Amount	Calc.	%Drift			
50	M	trichloroethene	50.000	56.105	-12.2	81	0.00	10.66

			AvgRF	CCRF	%Dev			
51	c	1,2-dichloropropane	0.429	0.472	-10.0	78	0.00	10.62
52	M	dibromomethane	0.227	0.257	-13.2	79	0.00	10.59
53	M	bromodichloromethane	0.527	0.592	-12.3	79	0.00	10.71
54	M	Methylcyclohexane	0.642	0.750	-16.8	82	0.00	11.18
55	M	2-chloroethyl vinyl ether	0.153	0.160	-4.6	73	0.00	11.09
56	M	methyl methacrylate	0.225	0.241	-7.1	72	0.00	10.80

			Amount	Calc.	%Drift			
57	M	1,4-dioxane	250.000	267.360	-6.9	67	0.00	10.81

			AvgRF	CCRF	%Dev			
58	M	cis-1,3-dichloropropene	0.602	0.687	-14.1	79	0.00	11.33
59	S	toluene-d8 (s)	1.317	0.976	25.9#	54	0.00	12.04
60	M	4-methyl-2-pentanone	0.460	0.467	-1.5	66	0.00	11.42
61	c	toluene	0.979	1.124	-14.8	81	0.00	12.11
62	M	trans-1,3-dichloropropene	0.507	0.574	-13.2	78	0.00	11.75
63	M	1,1,2-trichloroethane	0.282	0.312	-10.6	76	0.00	11.93

			Amount	Calc.	%Drift			
64	M	ethyl methacrylate	50.000	47.923	4.2	71	0.00	12.12

			AvgRF	CCRF	%Dev			
65	I	chlorobenzene-d5	1.000	1.000	0.0	78	0.00	13.51
66	M	tetrachloroethene	1.046	1.084	-3.6	80	0.00	12.86
67	M	1,3-dichloropropane	1.299	1.335	-2.8	76	0.00	12.16
68	M	dibromochloromethane	1.177	1.230	-4.5	76	0.00	12.46
69	M	1,2-dibromoethane	0.918	0.945	-2.9	75	0.00	12.71
70	M	2-hexanone	0.791	0.704	11.0	61	0.00	12.28
71	P	chlorobenzene	3.006	3.254	-8.3	81	0.00	13.54

Continuing Calibration Summary

Job Number: MC24849 **Sample:** MSM2081-CC2064
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M60022.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

72	M	1,1,1,2-tetrachloroethane	1.171	1.202	-2.6	76	0.00	13.46
73	c	ethylbenzene	4.531	4.884	-7.8	81	0.00	13.71
74	M	m,p-xylene	1.931	2.151	-11.4	85	0.00	13.90
75	M	o-xylene	1.992	2.183	-9.6	83	0.00	14.31
76	M	styrene	2.950	3.164	-7.3	78	0.00	14.24
77	P	bromoform	0.745	0.742	0.4	70	0.00	14.07
78	M	trans-1,4-dichloro-2-bute	0.367	0.376	-2.5	70	0.00	14.46
79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	81	0.00	16.07
80	M	isopropylbenzene	4.068	4.498	-10.6	81	0.00	14.68
81	S	bromofluorobenzene (s)	0.913	0.656	28.1#	56	0.00	14.73
82	M	bromobenzene	1.083	1.173	-8.3	78	0.00	14.97
83	P	1,1,2,2-tetrachloroethane	0.969	0.988	-2.0	67	0.00	14.32
84	M	1,2,3-trichloropropane	0.985	1.006	-2.1	70	0.00	14.46
85	M	n-propylbenzene	4.376	4.943	-13.0	83	0.00	15.12
86	M	2-chlorotoluene	2.652	2.908	-9.7	82	0.00	15.24
87	M	4-chlorotoluene	2.586	2.941	-13.7	85	0.00	15.32
88	M	1,3,5-trimethylbenzene	3.349	3.833	-14.5	85	0.00	15.40
89	M	tert-butylbenzene	1.864	2.017	-8.2	81	0.00	15.71
90	M	1,2,4-trimethylbenzene	3.293	3.768	-14.4	85	0.00	15.81
91	M	sec-butylbenzene	4.603	5.130	-11.4	83	0.00	15.92
92	M	1,3-dichlorobenzene	2.096	2.410	-15.0	86	0.00	16.03
93	M	p-isopropyltoluene	3.660	4.203	-14.8	86	0.00	16.10
94	M	1,4-dichlorobenzene	2.121	2.483	-17.1	87	0.00	16.10
95	M	1,2-dichlorobenzene	2.111	2.335	-10.6	79	0.00	16.47
96	M	n-butylbenzene	3.136	3.745	-19.4	87	0.00	16.52
97	M	1,2-dibromo-3-chloropropa	0.196	0.175	10.7	60	0.00	16.95
98		1,3,5-trichlorobenzene	1.351	1.530	-13.2	82	0.00	17.76
99	M	1,2,4-trichlorobenzene	1.291	1.391	-7.7	74	0.00	18.30
100	M	hexachlorobutadiene	0.748	0.711	4.9	68	0.00	18.60
101	M	naphthalene	3.822	3.638	4.8	60	0.00	18.58
102	M	1,2,3-trichlorobenzene	1.329	1.305	1.8	65	0.00	18.79
103		2-methylnaphthalene	1.978	1.799	9.0	60	0.00	19.97
104		1-methylnaphthalene	6.468	5.315	17.8	58	0.00	20.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m59589.D M130925S.M Mon Oct 07 10:14:18 2013

New England ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60028.D
Acq On : 7 Oct 2013 12:14 pm
Operator : krystend
Sample : mc24849-1
Misc : MS30132,MSM2081,4.704,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 07 15:01:55 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

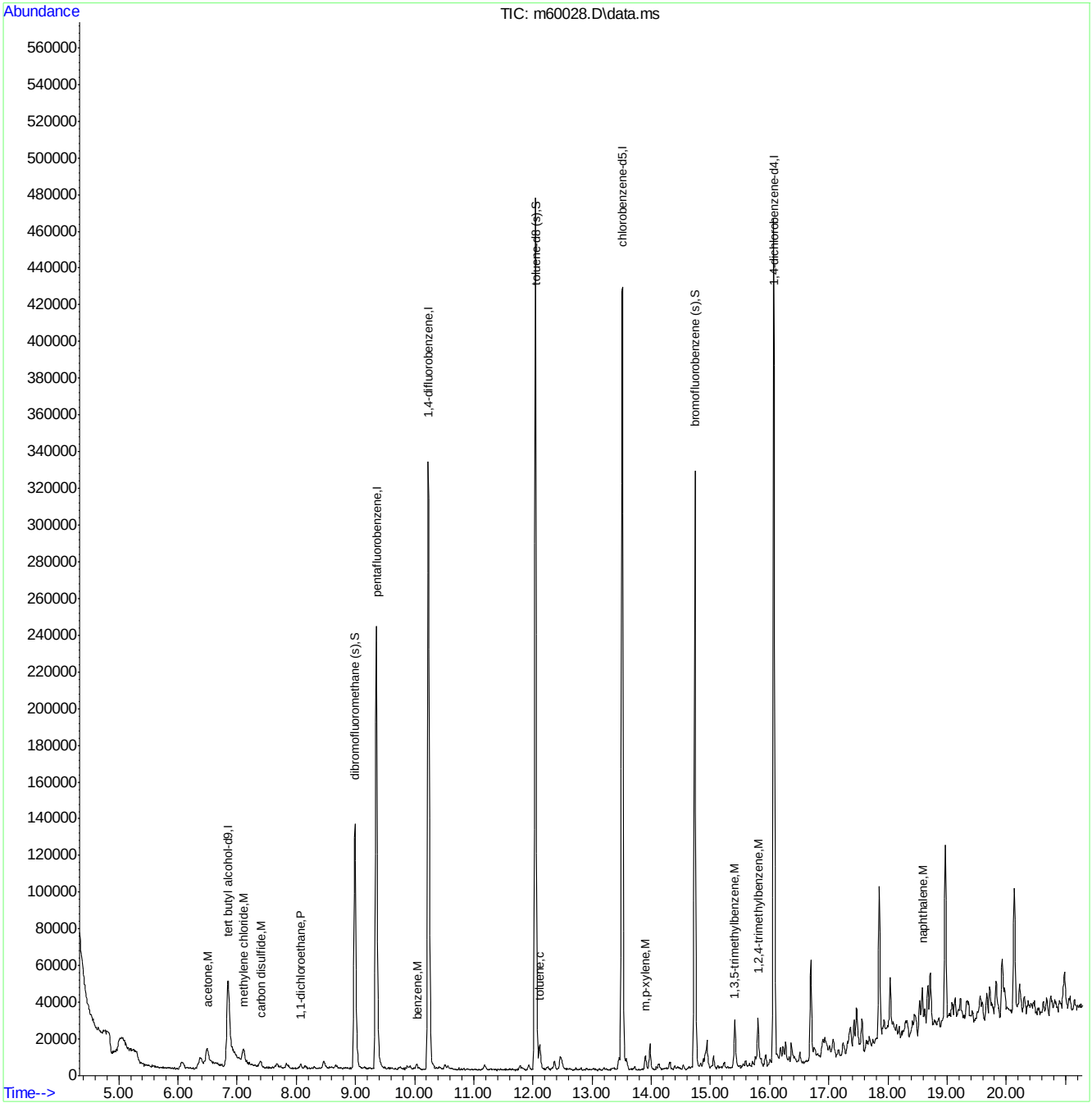
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	133710	500.00	ug/kg	0.00
4) pentafluorobenzene	9.356	168	196920	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	322816	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	129747	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	132575	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	99613	42.97	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 85.94%			
59) toluene-d8 (s)	12.043	98	344299	40.48	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 80.96%			
81) bromofluorobenzene (s)	14.738	95	115727	47.82	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.64%			
Target Compounds						Qvalue
16) acetone	6.506	58	8083	35.64	ug/kg#	73
18) methylene chloride	7.112	84	4185	1.75	ug/kg	92
24) carbon disulfide	7.402	76	7809	1.14	ug/kg	87
31) 1,1-dichloroethane	8.076	63	3378	0.85	ug/kg	98
46) benzene	10.043	78	2989	0.30	ug/kg	97
61) toluene	12.117	92	5357	0.85	ug/kg	98
74) m,p-xylene	13.903	106	3042	0.61	ug/kg	81
88) 1,3,5-trimethylbenzene	15.398	105	2973	0.33	ug/kg	93
90) 1,2,4-trimethylbenzene	15.802	105	5328	0.61	ug/kg	99
101) naphthalene	18.584	128	6436	0.64	ug/kg	100

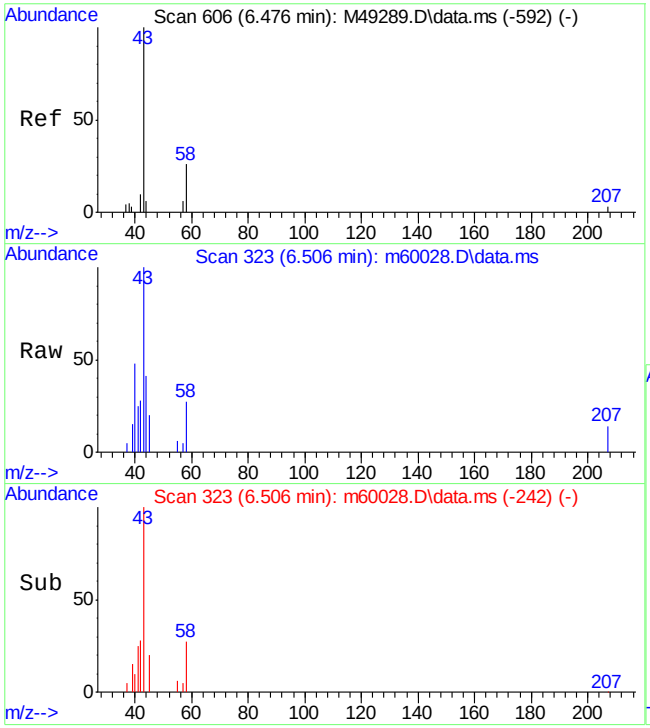
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60028.D
Acq On : 7 Oct 2013 12:14 pm
Operator : krystend
Sample : mc24849-1
Misc : MS30132,MSM2081,4.704,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 07 15:01:55 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

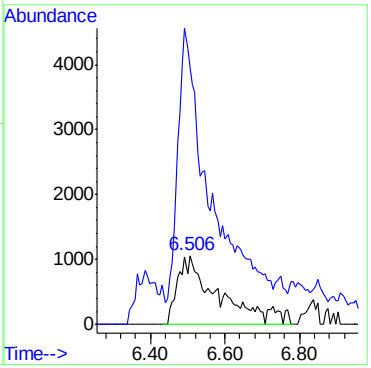


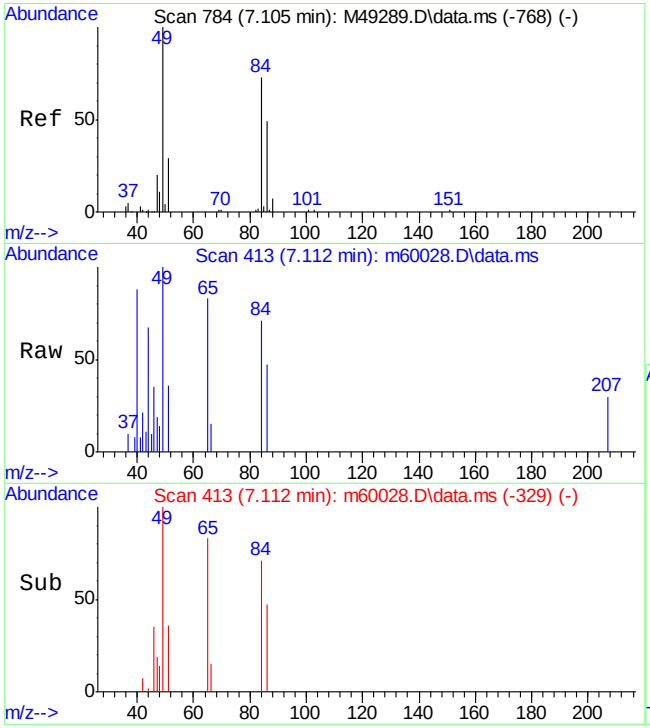


#16
acetone
Concen: 35.64 ug/kg
RT: 6.506 min Scan# 323
Delta R.T. 0.047 min
Lab File: m60028.D
Acq: 7 Oct 2013 12:14 pm

Tgt Ion: 58 Resp: 8083

Ion	Ratio	Lower	Upper
58	100		
43	318.0	350.4	410.4#

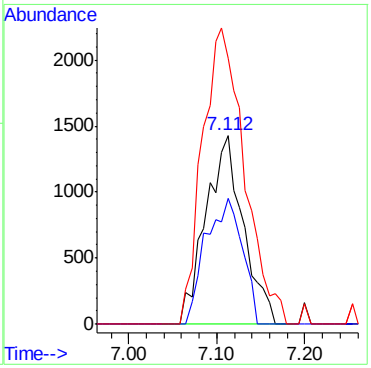


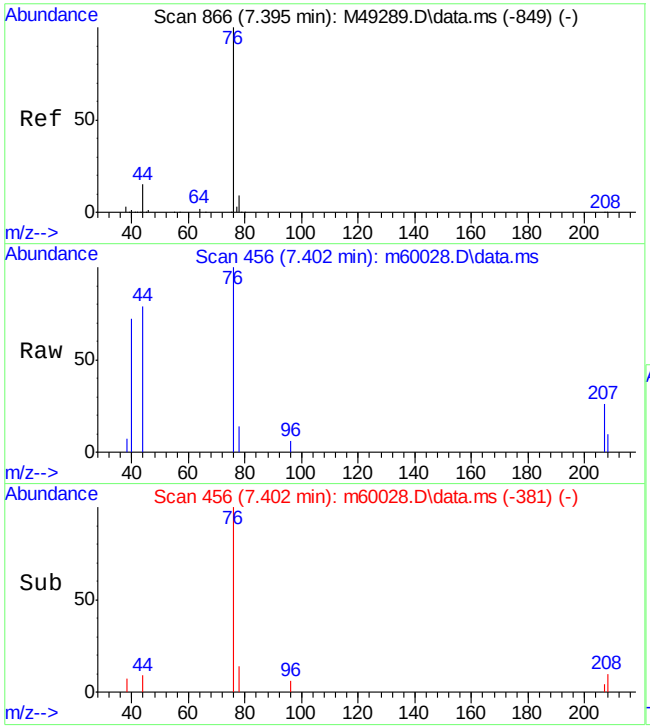


#18
methylene chloride
Concen: 1.75 ug/kg
RT: 7.112 min Scan# 413
Delta R.T. 0.006 min
Lab File: m60028.D
Acq: 7 Oct 2013 12:14 pm

Tgt Ion: 84 Resp: 4185

Ion	Ratio	Lower	Upper
84	100		
86	66.7	37.2	97.2
49	140.5	125.7	185.7

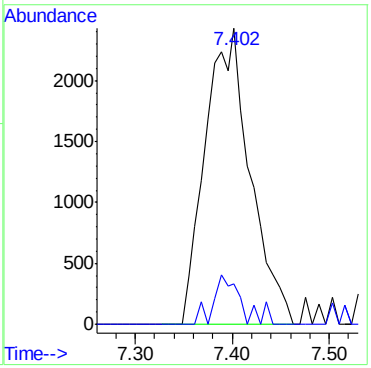


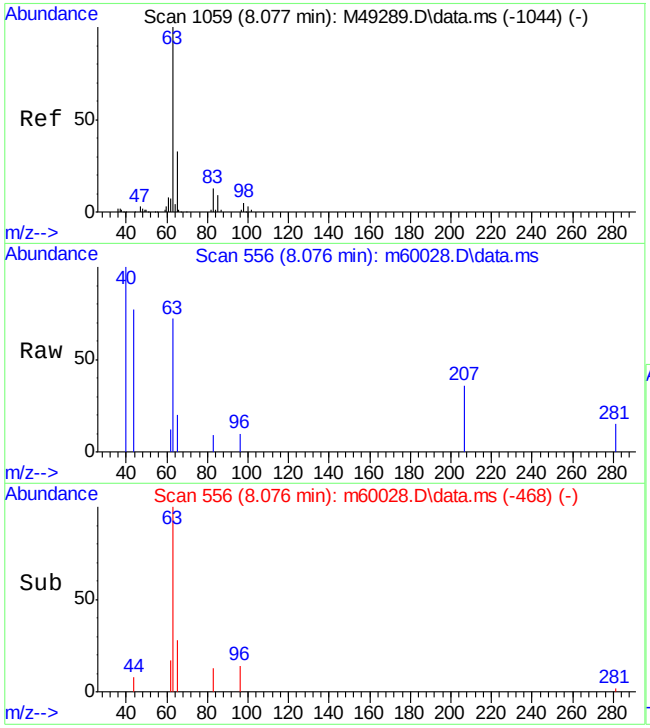


#24
carbon disulfide
Concen: 1.14 ug/kg
RT: 7.402 min Scan# 456
Delta R.T. 0.007 min
Lab File: m60028.D
Acq: 7 Oct 2013 12:14 pm

Tgt Ion: 76 Resp: 7809

Ion	Ratio	Lower	Upper
76	100		
78	13.7	0.0	39.1

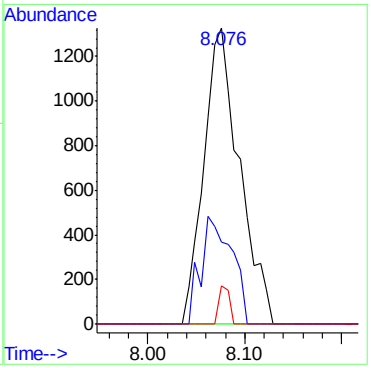


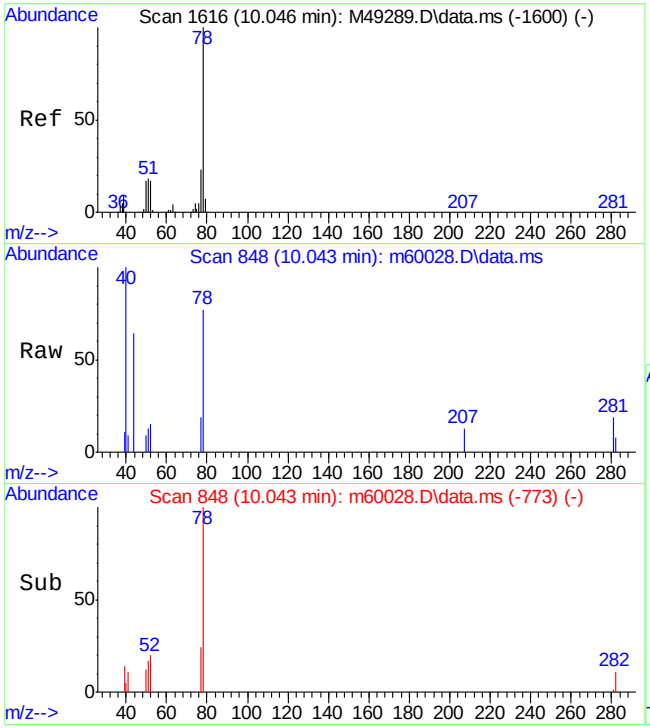


#31
1,1-dichloroethane
Concen: 0.85 ug/kg
RT: 8.076 min Scan# 556
Delta R.T. -0.000 min
Lab File: m60028.D
Acq: 7 Oct 2013 12:14 pm

Tgt Ion: 63 Resp: 3378

Ion	Ratio	Lower	Upper
63	100		
65	27.7	0.0	59.0
83	13.0	0.0	42.5

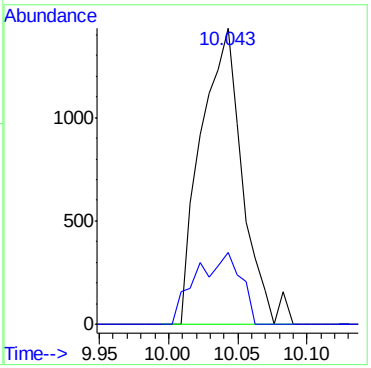


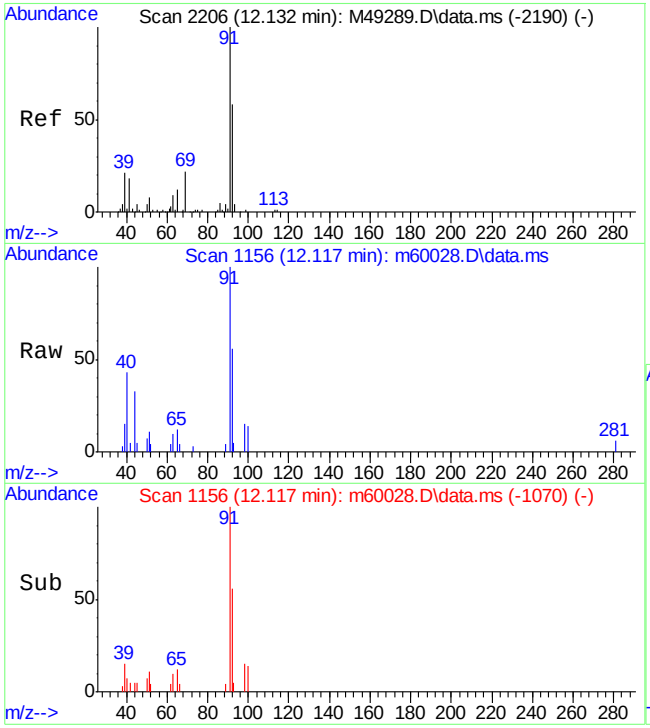


#46
benzene
Concen: 0.30 ug/kg
RT: 10.043 min Scan# 848
Delta R.T. 0.014 min
Lab File: m60028.D
Acq: 7 Oct 2013 12:14 pm

Tgt Ion: 78 Resp: 2989

Ion	Ratio	Lower	Upper
78	100		
77	24.2	0.0	52.6

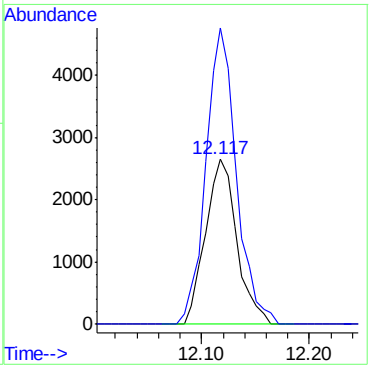


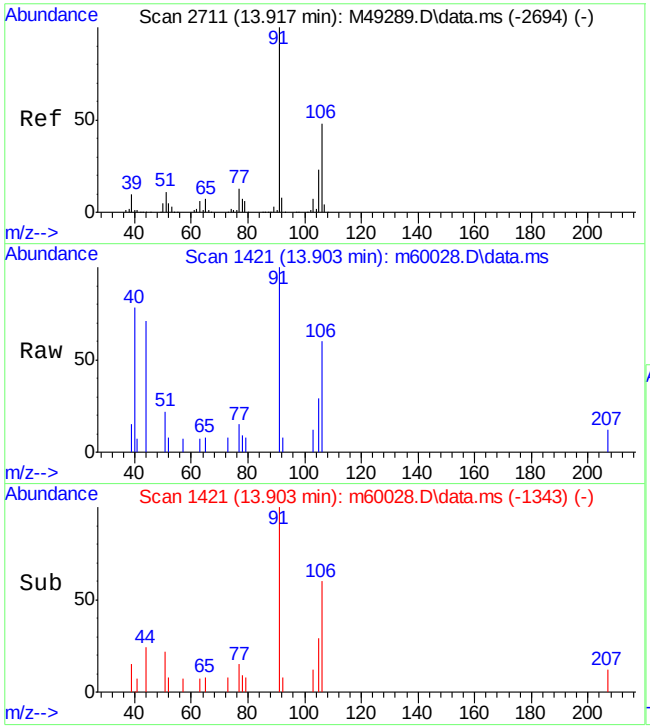


#61
toluene
Concen: 0.85 ug/kg
RT: 12.117 min Scan# 1156
Delta R.T. 0.000 min
Lab File: m60028.D
Acq: 7 Oct 2013 12:14 pm

Tgt Ion: 92 Resp: 5357

Ion	Ratio	Lower	Upper
92	100		
91	179.1	145.9	205.9

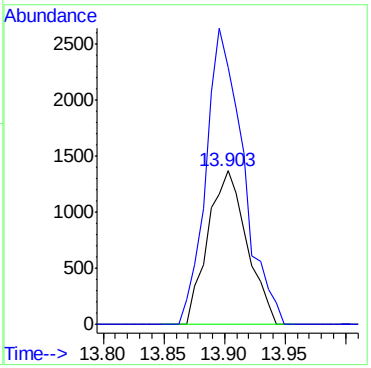


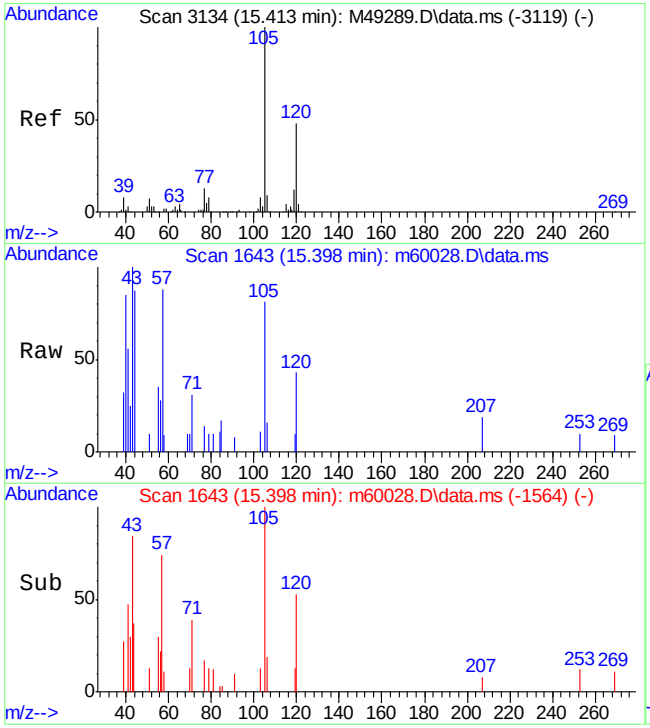


#74
m,p-xylene
Concen: 0.61 ug/kg
RT: 13.903 min Scan# 1421
Delta R.T. 0.007 min
Lab File: m60028.D
Acq: 7 Oct 2013 12:14 pm

Tgt Ion:106 Resp: 3042

Ion	Ratio	Lower	Upper
106	100		
91	167.5	166.0	226.0

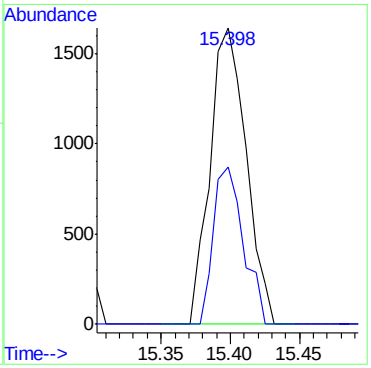


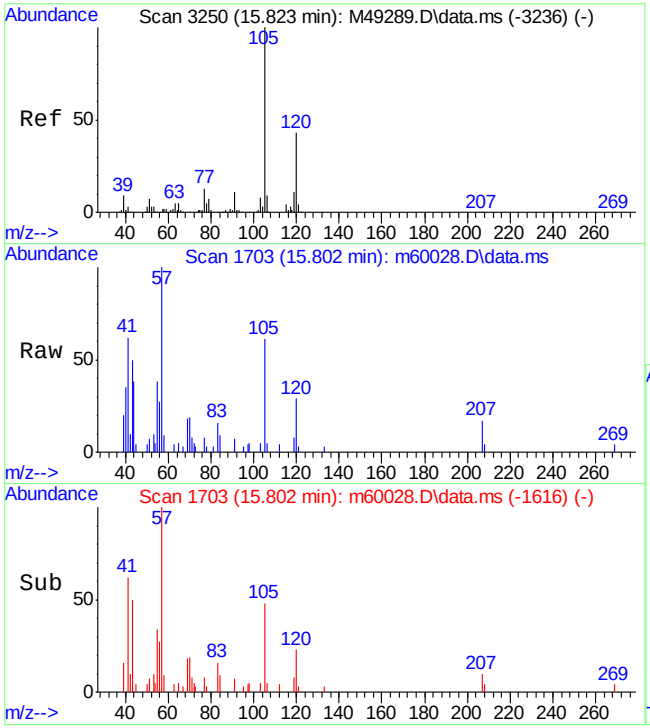


#88
1,3,5-trimethylbenzene
Concen: 0.33 ug/kg
RT: 15.398 min Scan# 1643
Delta R.T. 0.000 min
Lab File: m60028.D
Acq: 7 Oct 2013 12:14 pm

Tgt Ion:105 Resp: 2973

Ion	Ratio	Lower	Upper
105	100		
120	53.2	18.7	78.7

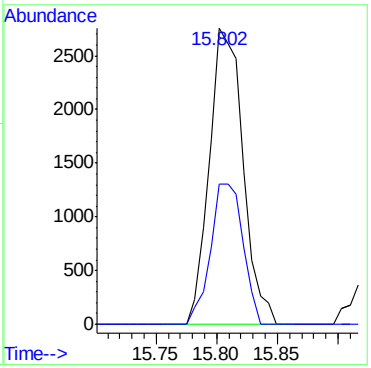


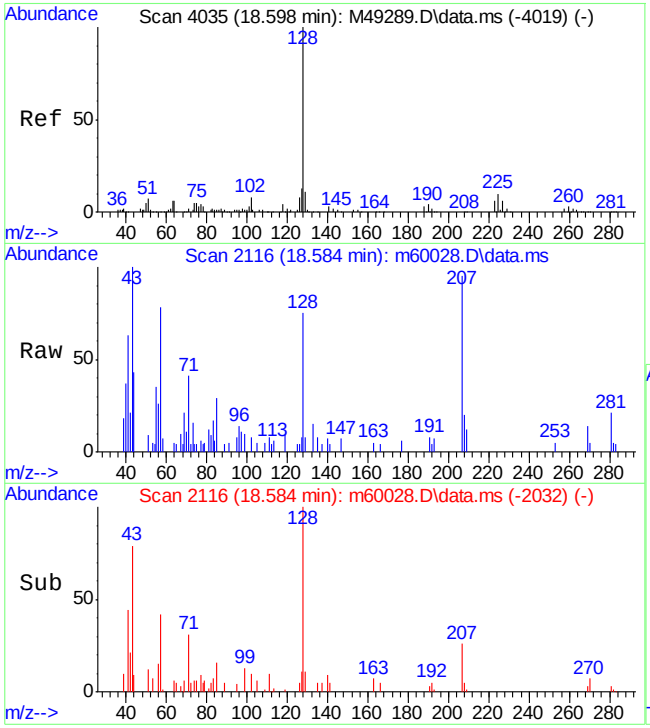


#90
1,2,4-trimethylbenzene
Concen: 0.61 ug/kg
RT: 15.802 min Scan# 1703
Delta R.T. -0.007 min
Lab File: m60028.D
Acq: 7 Oct 2013 12:14 pm

Tgt Ion:105 Resp: 5328

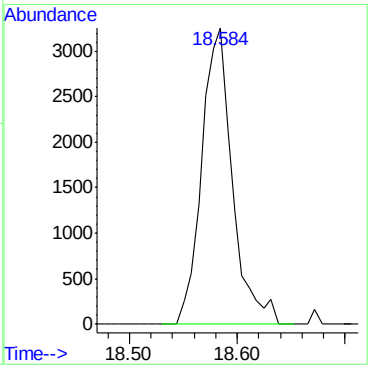
Ion	Ratio	Lower	Upper
105	100		
120	47.4	16.7	76.7





#101
naphthalene
Concen: 0.64 ug/kg
RT: 18.584 min Scan# 2116
Delta R.T. 0.006 min
Lab File: m60028.D
Acq: 7 Oct 2013 12:14 pm

Tgt Ion:128 Resp: 6436



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60028.D
Acq On : 7 Oct 2013 12:14 pm
Operator : krystend
Sample : mc24849-1
Misc : MS30132,MSM2081,4.704,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130925S.M
Title : SW-846 Method 8260

Signal : TIC: m60028.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.068	249	258	293	rBV7	3982	20888	2.25%	0.291%
2	6.371	293	303	313	rVV4	6062	30559	3.29%	0.426%
3	6.493	313	321	363	rVV5	11186	84516	9.11%	1.179%
4	6.850	363	374	405	rVV3	47561	251974	27.15%	3.515%
5	7.099	405	411	449	rVV6	10499	66445	7.16%	0.927%
6	7.395	449	455	467	rVB3	3759	11949	1.29%	0.167%
7	7.665	489	495	515	rVB5	2447	8700	0.94%	0.121%
8	7.833	515	520	551	rVV5	2869	9148	0.99%	0.128%
9	8.076	551	556	561	rVV4	2735	5572	0.60%	0.078%
10	8.156	561	568	579	rVB6	1757	6607	0.71%	0.092%
11	8.466	605	614	625	rVB6	3928	12097	1.30%	0.169%
12	8.594	627	633	639	rVV4	1424	3685	0.40%	0.051%
13	8.668	639	644	661	rVB6	2056	8123	0.88%	0.113%
14	8.992	683	692	711	rBV	132953	315466	33.99%	4.400%
15	9.349	735	745	773	rVB	240880	535112	57.66%	7.464%
16	9.760	797	806	817	rVB5	1850	7210	0.78%	0.101%
17	9.928	817	831	843	rBV7	2467	13312	1.43%	0.186%
18	10.043	843	848	863	rVV6	3333	9226	0.99%	0.129%
19	10.231	867	876	913	rVV	331303	699861	75.41%	9.762%
20	10.521	913	919	957	rVB5	2394	12200	1.31%	0.170%
21	11.181	1007	1017	1031	rBV5	3108	9326	1.00%	0.130%
22	11.451	1049	1057	1065	rBV4	1495	4767	0.51%	0.066%
23	11.781	1095	1106	1121	rBV5	2791	11193	1.21%	0.156%
24	11.929	1121	1128	1135	rVV4	3262	7915	0.85%	0.110%
25	12.043	1135	1145	1167	rVV	475317	928112	100.00%	12.946%
26	12.252	1171	1176	1181	rVV5	1720	4500	0.48%	0.063%
27	12.367	1181	1193	1199	rVV6	4987	12597	1.36%	0.176%
28	12.454	1199	1206	1227	rVB5	7228	27209	2.93%	0.380%
29	12.811	1251	1259	1267	rVB3	1235	2059	0.22%	0.029%
30	12.919	1267	1275	1281	rVB2	1225	3620	0.39%	0.050%
31	13.027	1281	1291	1301	rVB4	1340	5324	0.57%	0.074%
32	13.128	1301	1306	1313	rBV2	1227	2738	0.30%	0.038%
33	13.202	1313	1317	1333	rVB4	1562	4213	0.45%	0.059%
34	13.370	1333	1342	1347	rBV4	1425	4790	0.52%	0.067%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60028.D
Acq On : 7 Oct 2013 12:14 pm
Operator : krystend
Sample : mc24849-1
Misc : MS30132,MSM2081,4.704,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130925S.M
Title : SW-846 Method 8260

35	13.512	1347	1363	1383	rVB	426089	837700	90.26%	11.684%
36	13.721	1389	1394	1407	rVB3	1909	4112	0.44%	0.057%
37	13.903	1415	1421	1427	rBV2	7993	17036	1.84%	0.238%
38	13.977	1427	1432	1447	rVV2	14403	28148	3.03%	0.393%
39	14.132	1447	1455	1467	rVB4	3273	10128	1.09%	0.141%
40	14.307	1475	1481	1491	rVB7	4321	9381	1.01%	0.131%
41	14.401	1491	1495	1511	rBV6	2179	9190	0.99%	0.128%
42	14.536	1511	1515	1523	rVB4	2952	5908	0.64%	0.082%
43	14.644	1523	1531	1535	rBV3	1977	5706	0.61%	0.080%
44	14.738	1535	1545	1563	rVV	325695	600685	64.72%	8.378%
45	14.940	1563	1575	1585	rVV5	15721	51534	5.55%	0.719%
46	15.054	1585	1592	1599	rVB4	7104	14967	1.61%	0.209%
47	15.129	1599	1603	1613	rBV6	1609	5124	0.55%	0.071%
48	15.236	1613	1619	1625	rBV5	3931	7786	0.84%	0.109%
49	15.412	1635	1645	1661	rVB2	26162	53659	5.78%	0.748%
50	15.802	1687	1703	1719	rBV4	26201	74746	8.05%	1.043%
51	15.937	1719	1723	1727	rVB4	6552	11240	1.21%	0.157%
52	16.072	1727	1743	1757	rBV	461925	837165	90.20%	11.677%
53	16.274	1757	1773	1783	rVB9	10456	42494	4.58%	0.593%
54	16.368	1783	1787	1805	rVB5	9877	21451	2.31%	0.299%
55	16.510	1805	1808	1827	rVB7	5489	8227	0.89%	0.115%
56	16.698	1827	1836	1859	rBV	55409	129599	13.96%	1.808%
57	16.934	1859	1871	1887	rBV	10193	60118	6.48%	0.839%
58	17.244	1911	1917	1925	rBV5	7088	18572	2.00%	0.259%
59	17.365	1925	1935	1941	rBV7	13551	48384	5.21%	0.675%
60	17.560	1959	1964	1971	rVB4	18258	35872	3.87%	0.500%
61	17.857	2001	2008	2029	rBV	82569	178605	19.24%	2.491%
62	18.039	2029	2035	2105	rVB	31306	158188	17.04%	2.206%
63	18.584	2105	2116	2125	rBV9	25135	108790	11.72%	1.517%
64	18.975	2165	2174	2311	rBV	95764	521049	56.14%	7.268%
65	19.932	2311	2316	2339	rBV4	31490	112791	12.15%	1.573%

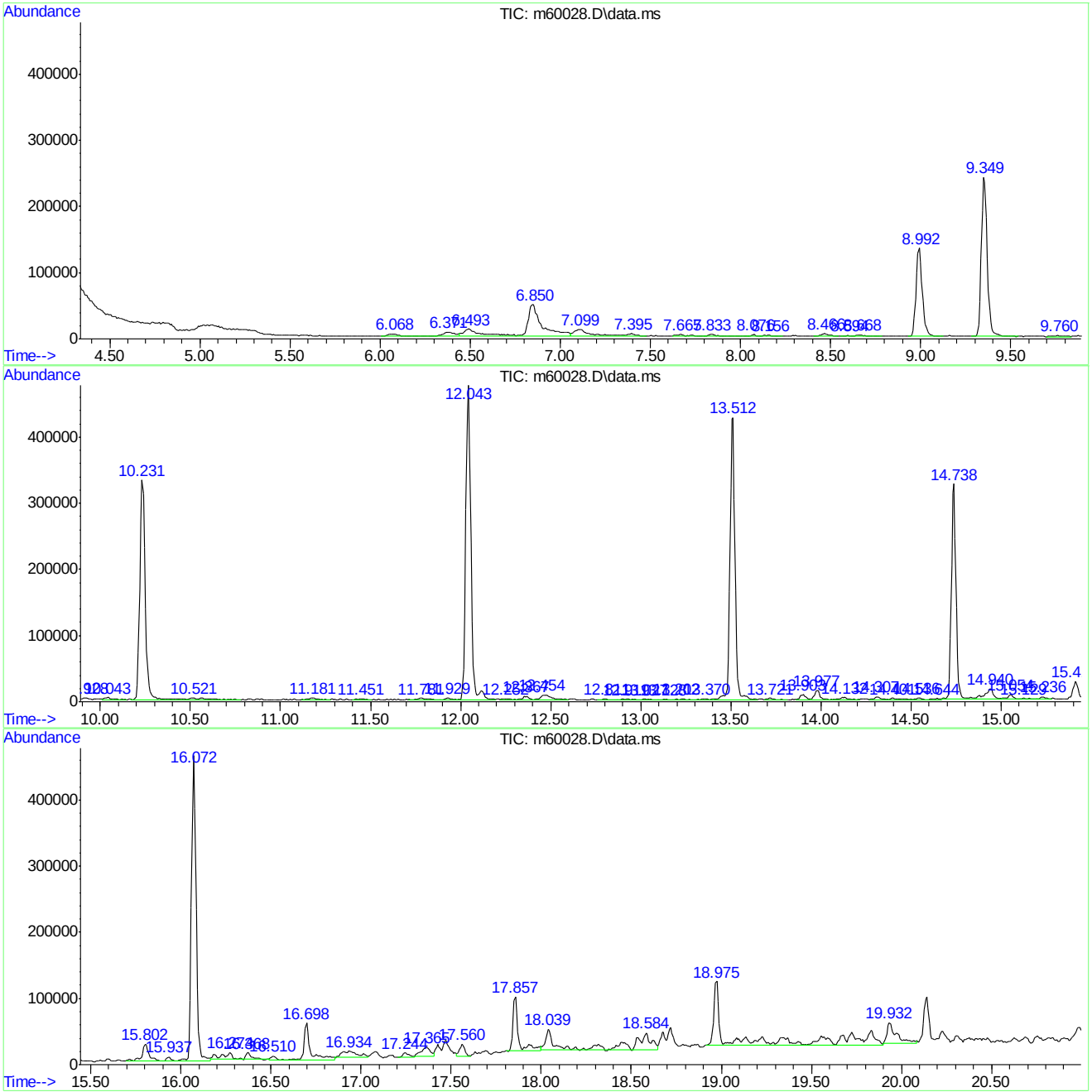
Sum of corrected areas: 7169368

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60028.D
Acq On : 7 Oct 2013 12:14 pm
Operator : krystend
Sample : mc24849-1
Misc : MS30132,MSM2081,4.704,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60028.D
Acq On : 7 Oct 2013 12:14 pm
Operator : krystend
Sample : mc24849-1
Misc : MS30132,MSM2081,4.704,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

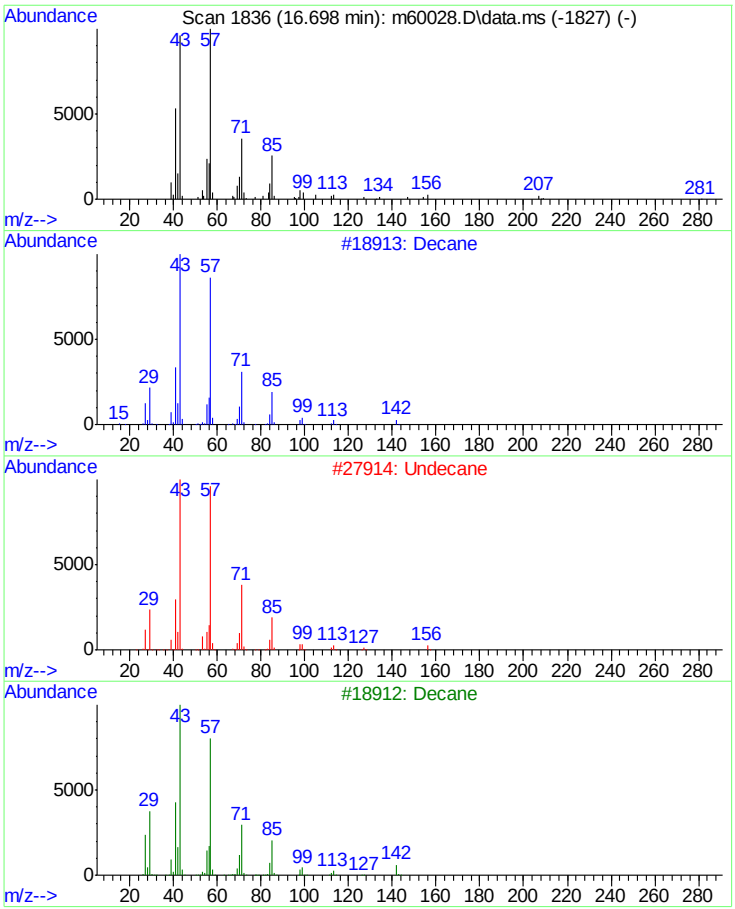
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

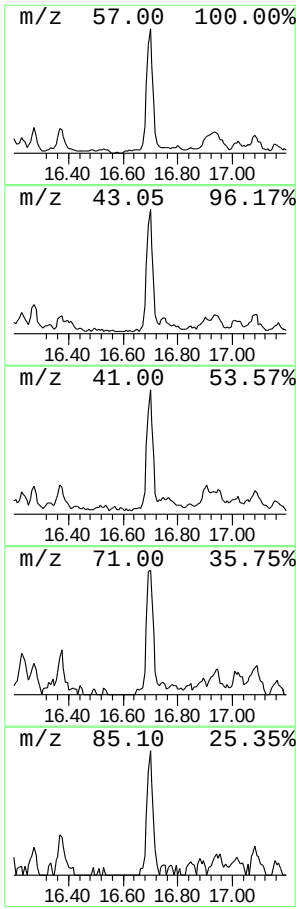
****

Peak Number 2 Decane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.698	7.74 ug/kg	129599	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	90
2	Undecane	156	C11H24	001120-21-4	87
3	Decane	142	C10H22	000124-18-5	86
4	Undecane	156	C11H24	001120-21-4	78
5	Undecane	156	C11H24	001120-21-4	76





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60028.D
Acq On : 7 Oct 2013 12:14 pm
Operator : krystend
Sample : mc24849-1
Misc : MS30132,MSM2081,4.704,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

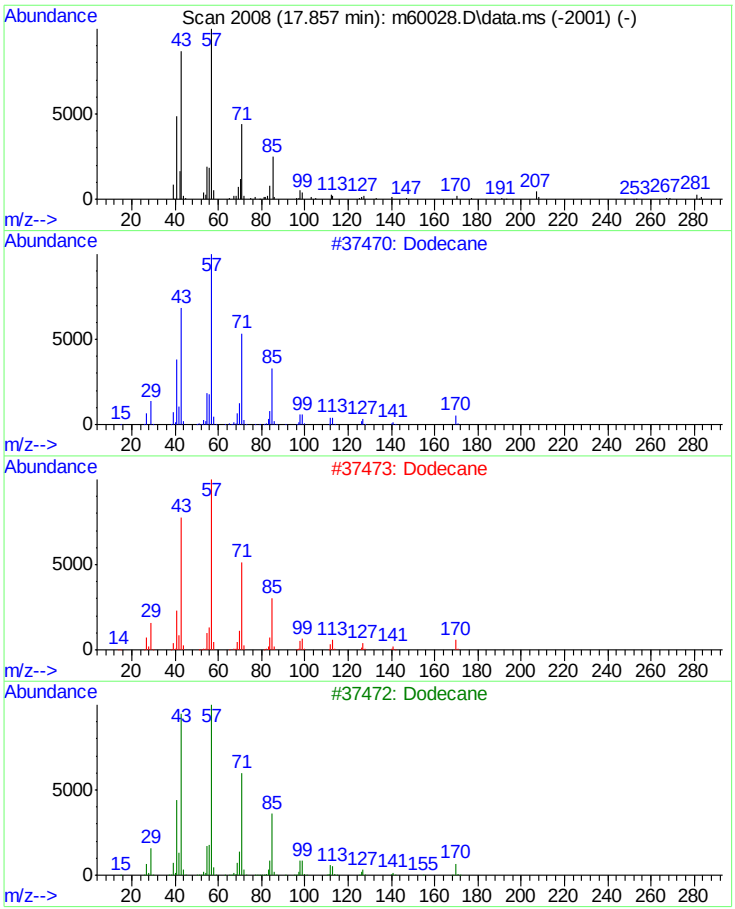
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

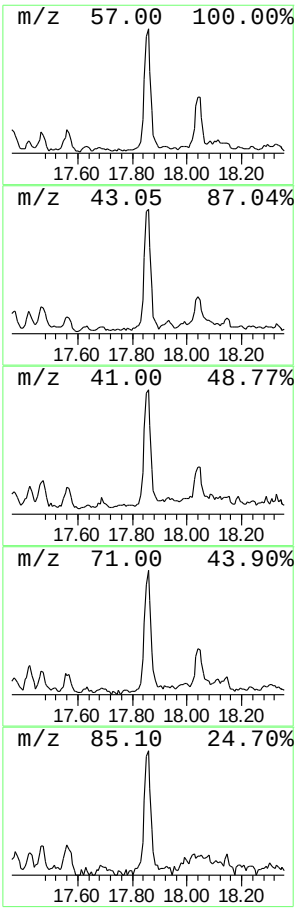
****

Peak Number 3 Dodecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.857	10.67 ug/kg	178605	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	93
2	Dodecane	170	C12H26	000112-40-3	90
3	Dodecane	170	C12H26	000112-40-3	90
4	Tridecane	184	C13H28	000629-50-5	80
5	Tetradecane	198	C14H30	000629-59-4	80





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60028.D
Acq On : 7 Oct 2013 12:14 pm
Operator : krystend
Sample : mc24849-1
Misc : MS30132,MSM2081,4.704,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

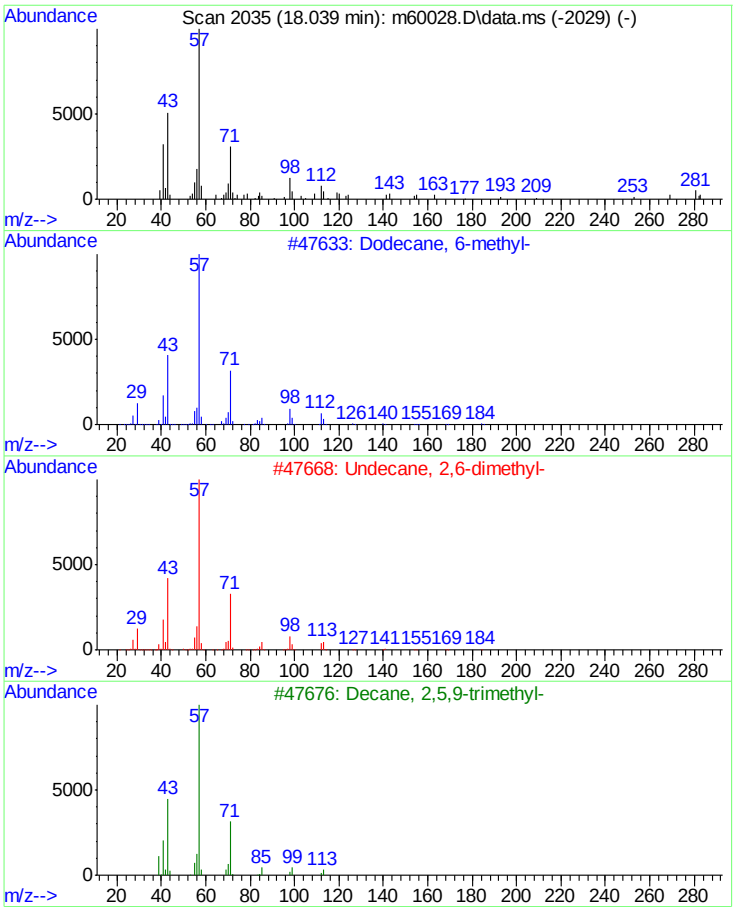
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

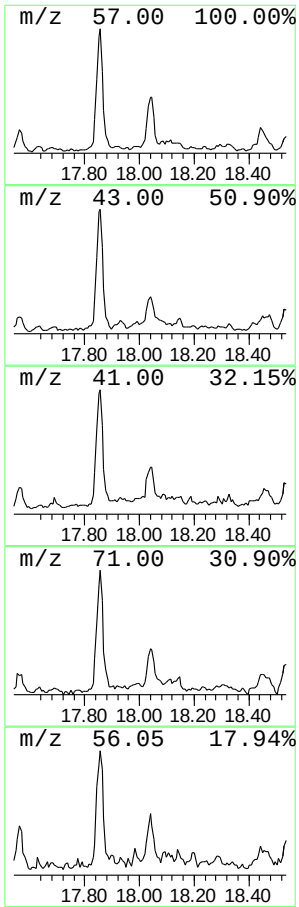
****

Peak Number 4 Dodecane, 6-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.039	9.45 ug/kg	158188	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 6-methyl-	184	C13H28	006044-71-9	64
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	64
3	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	50
4	Dodecane	170	C12H26	000112-40-3	47
5	Pentadecane	212	C15H32	000629-62-9	43





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60028.D
Acq On : 7 Oct 2013 12:14 pm
Operator : krystend
Sample : mc24849-1
Misc : MS30132,MSM2081,4.704,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

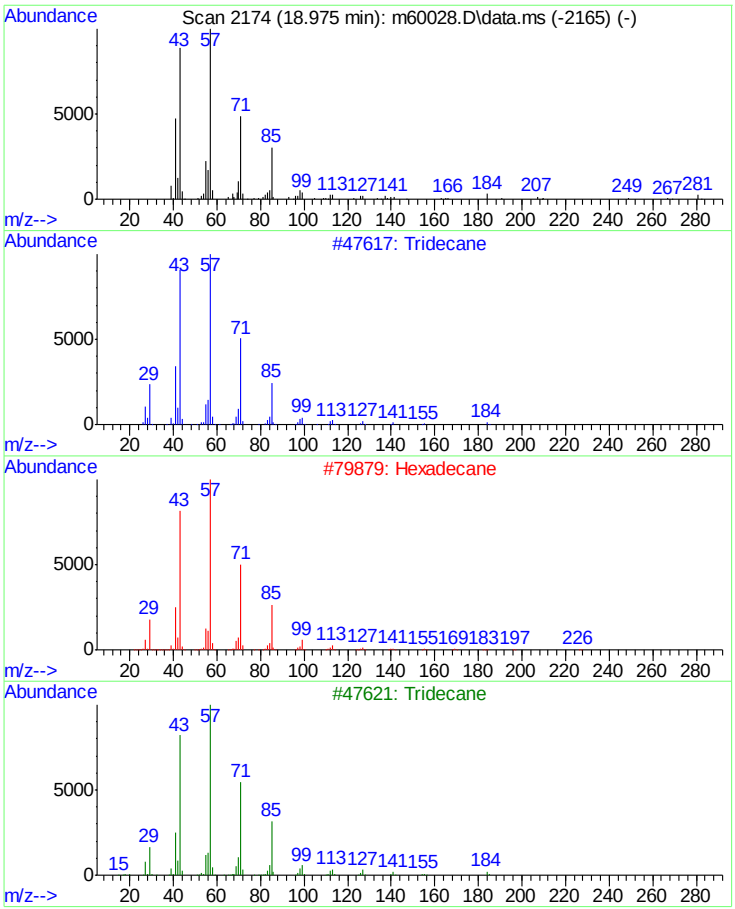
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

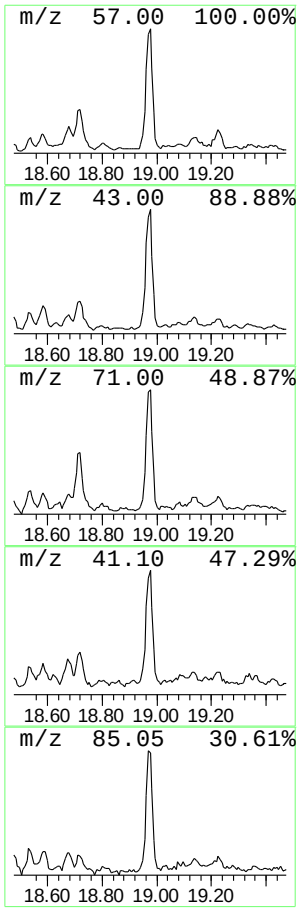
****

Peak Number 5 Tridecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.975	31.12 ug/kg	521049	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Hexadecane	226	C16H34	000544-76-3	86
3	Tridecane	184	C13H28	000629-50-5	86
4	Dodecane	170	C12H26	000112-40-3	78
5	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	72





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60028.D
Acq On : 7 Oct 2013 12:14 pm
Operator : krystend
Sample : mc24849-1
Misc : MS30132,MSM2081,4.704,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

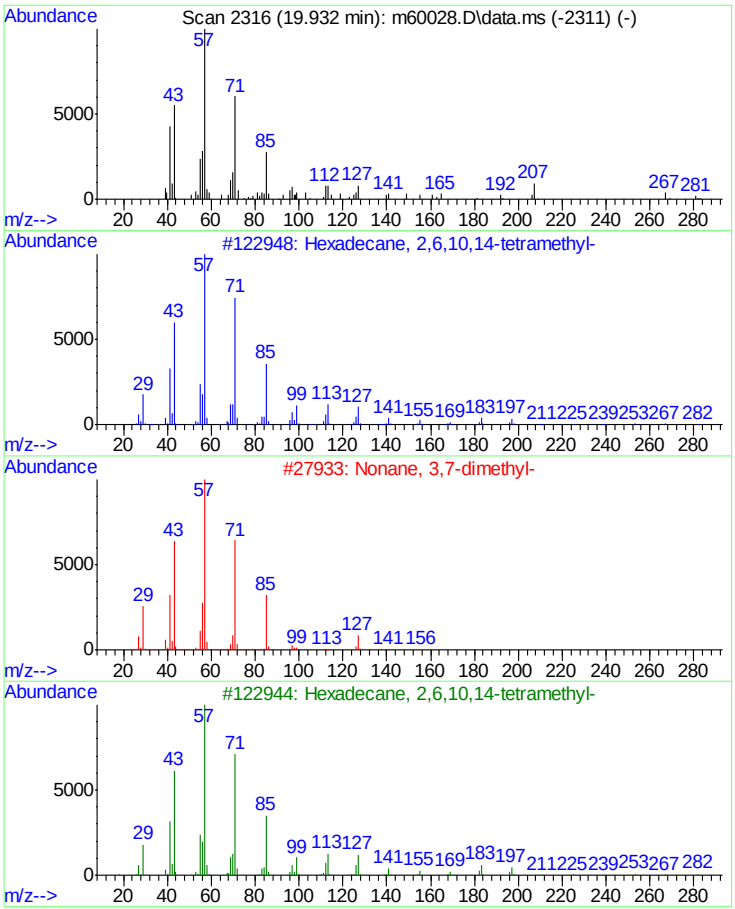
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

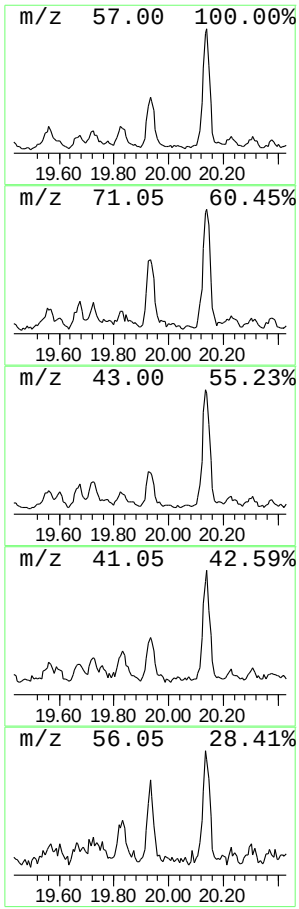
****

Peak Number 6 Hexadecane, 2,6,10,14-tetra... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.932	6.74 ug/kg	112791	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	76
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64
4	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	53
5	1-Decanol, 2-ethyl-	186	C12H26O	021078-65-9	53





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60028.D
Acq On : 7 Oct 2013 12:14 pm
Operator : krystend
Sample : mc24849-1
Misc : MS30132,MSM2081,4.704,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Decane	16.698	7.7	ug/kg	129599	5	16.072	837165	50.0
Dodecane	17.857	10.7	ug/kg	178605	5	16.072	837165	50.0
Dodecane, 6-met...	18.039	9.4	ug/kg	158188	5	16.072	837165	50.0
Tridecane	18.975	31.1	ug/kg	521049	5	16.072	837165	50.0
Hexadecane, 2,6...	19.932	6.7	ug/kg	112791	5	16.072	837165	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60006.D
Acq On : 7 Oct 2013 12:27 am
Operator : krystend
Sample : mc24849-5
Misc : MS30132,MSM2080,4.713,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 07 09:29:46 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

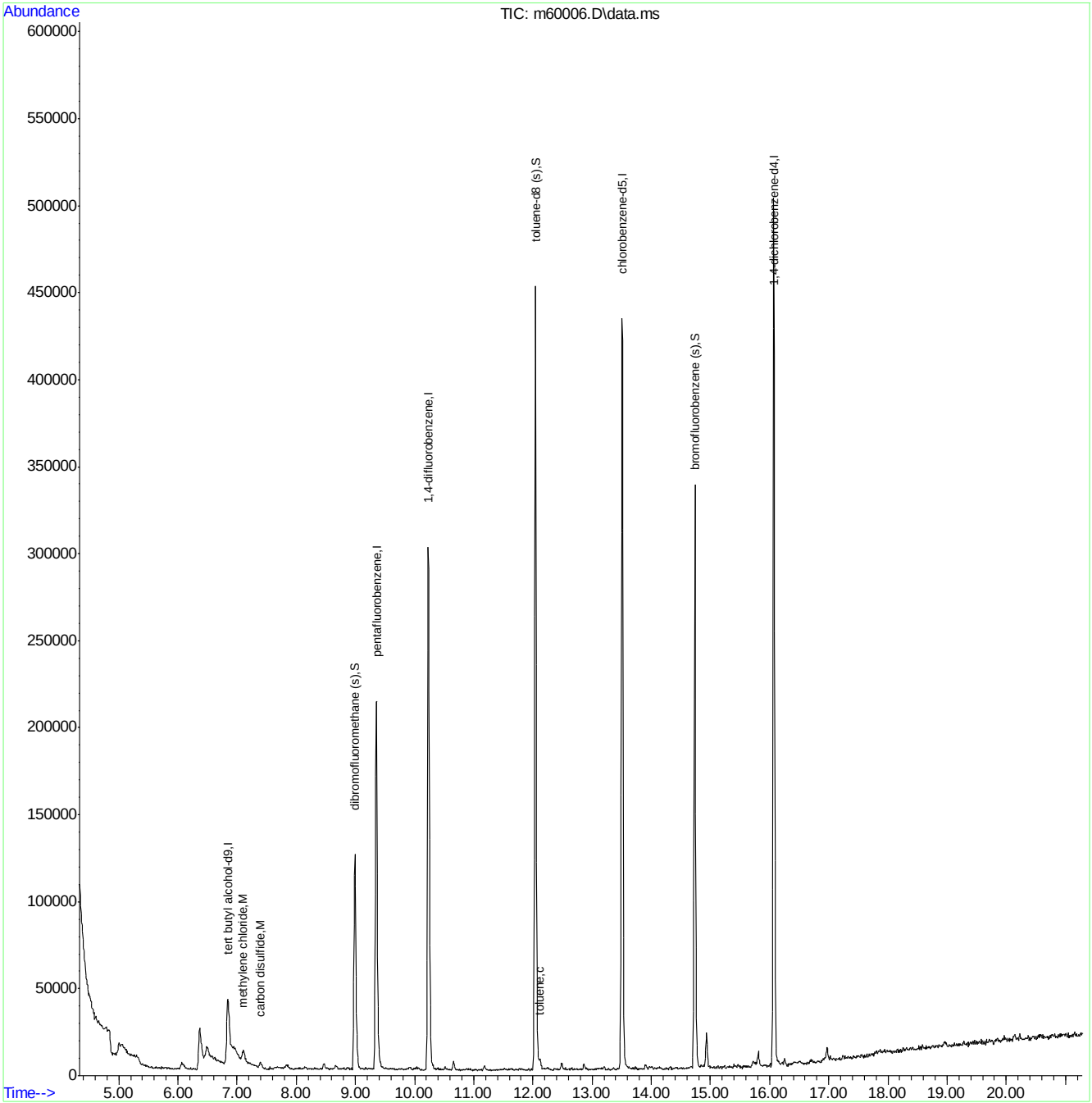
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	127312	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	177288	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	292245	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	129714	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	146032	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	91668	43.92	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.84%			
59) toluene-d8 (s)	12.043	98	327174	42.49	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.98%			
81) bromofluorobenzene (s)	14.731	95	120527	45.21	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.42%			
Target Compounds						Qvalue
18) methylene chloride	7.099	84	3408	1.58	ug/kg	86
24) carbon disulfide	7.395	76	6964	1.13	ug/kg	84
61) toluene	12.111	92	2256	0.39	ug/kg#	74

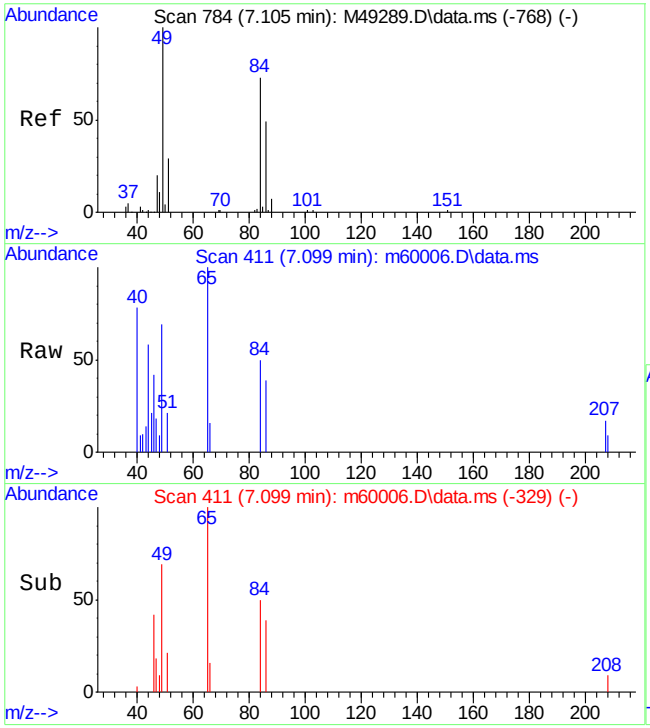
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60006.D
Acq On : 7 Oct 2013 12:27 am
Operator : krystend
Sample : mc24849-5
Misc : MS30132,MSM2080,4.713,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 07 09:29:46 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

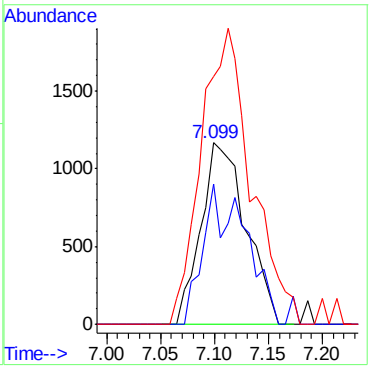


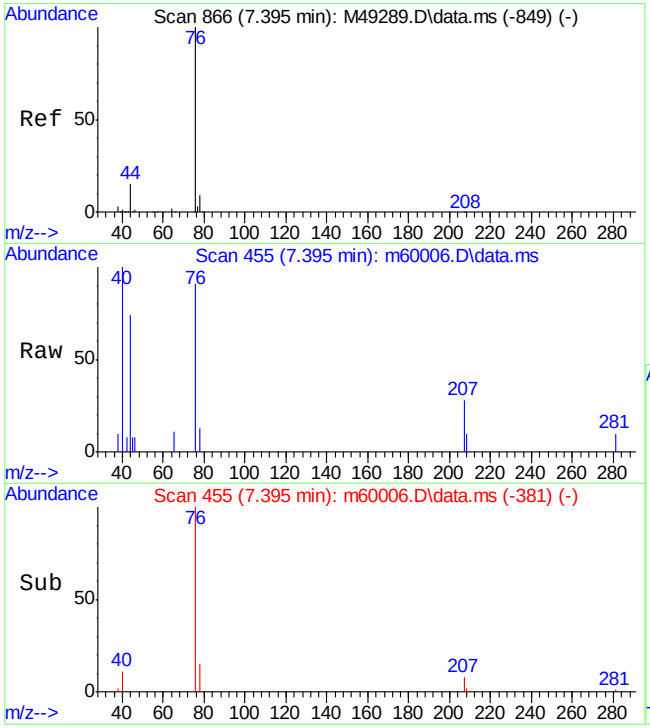


#18
methylene chloride
Concen: 1.58 ug/kg
RT: 7.099 min Scan# 411
Delta R.T. -0.007 min
Lab File: m60006.D
Acq: 7 Oct 2013 12:27 am

Tgt Ion: 84 Resp: 3408

Ion	Ratio	Lower	Upper
84	100		
86	77.5	37.2	97.2
49	136.5	125.7	185.7

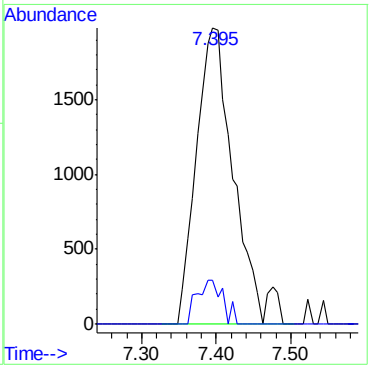


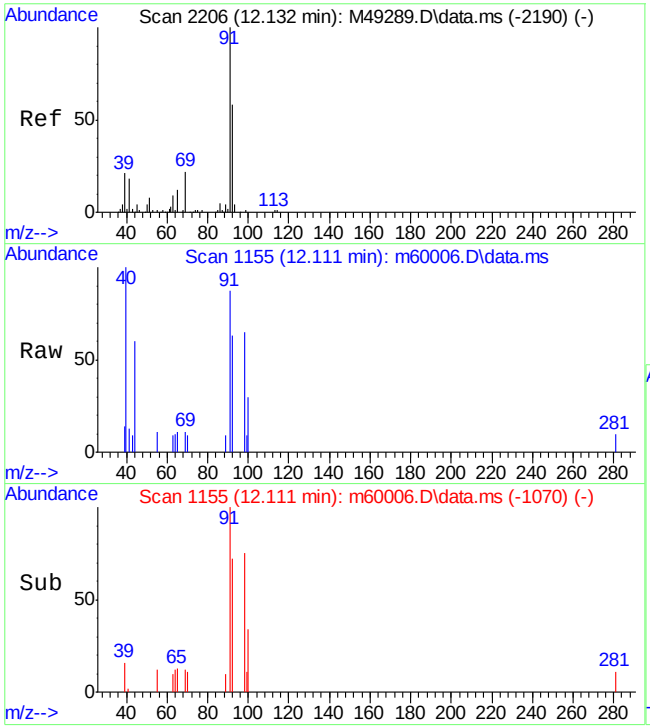


#24
carbon disulfide
Concen: 1.13 ug/kg
RT: 7.395 min Scan# 455
Delta R.T. 0.000 min
Lab File: m60006.D
Acq: 7 Oct 2013 12:27 am

Tgt Ion: 76 Resp: 6964

Ion	Ratio	Lower	Upper
76	100		
78	14.8	0.0	39.1

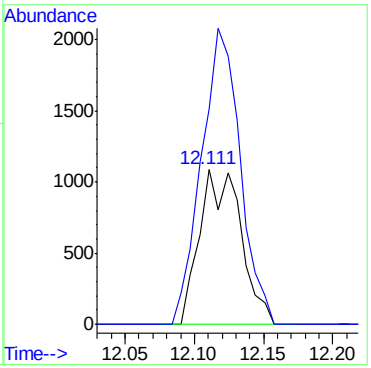




#61
toluene
Concen: 0.39 ug/kg
RT: 12.111 min Scan# 1155
Delta R.T. -0.007 min
Lab File: m60006.D
Acq: 7 Oct 2013 12:27 am

Tgt Ion: 92 Resp: 2256

Ion	Ratio	Lower	Upper
92	100		
91	138.8	145.9	205.9#



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60006.D
Acq On : 7 Oct 2013 12:27 am
Operator : krystend
Sample : mc24849-5
Misc : MS30132,MSM2080,4.713,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130925S.M
Title : SW-846 Method 8260

Signal : TIC: m60006.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.010	95	101	251	rVB8	14993	236371	26.28%	4.248%
2	6.068	251	258	283	rVB4	4188	16421	1.83%	0.295%
3	6.364	293	302	315	rBV	24311	99520	11.06%	1.788%
4	6.486	315	320	363	rVB3	11421	90368	10.05%	1.624%
5	6.843	363	373	407	rBV	37096	198838	22.10%	3.573%
6	7.395	449	455	471	rVB2	4313	13334	1.48%	0.240%
7	7.557	471	479	487	rVV5	1340	2343	0.26%	0.042%
8	7.678	487	497	511	rVV4	1653	9853	1.10%	0.177%
9	7.826	515	519	539	rVB7	2581	10323	1.15%	0.186%
10	8.143	561	566	607	rBV5	1383	4638	0.52%	0.083%
11	8.473	607	615	637	rVV7	3066	8343	0.93%	0.150%
12	8.661	637	643	669	rVB5	2065	7022	0.78%	0.126%
13	8.992	683	692	735	rBV	123737	299999	33.35%	5.391%
14	9.355	735	746	799	rVV	211851	494919	55.02%	8.894%
15	9.766	799	807	815	rVB4	857	2713	0.30%	0.049%
16	9.921	823	830	837	rVB7	1861	5605	0.62%	0.101%
17	10.036	837	847	857	rVB6	2055	8221	0.91%	0.148%
18	10.231	865	876	895	rBV	300651	639212	71.06%	11.487%
19	10.514	915	918	933	rVB4	1927	4232	0.47%	0.076%
20	10.655	933	939	965	rVV4	5413	12582	1.40%	0.226%
21	10.945	965	982	987	rVV4	1483	6488	0.72%	0.117%
22	11.033	987	995	999	rVV3	1111	2816	0.31%	0.051%
23	11.188	999	1018	1033	rVB4	3053	13970	1.55%	0.251%
24	11.625	1077	1083	1087	rVB4	1489	3302	0.37%	0.059%
25	12.043	1137	1145	1171	rBV	450597	875198	97.29%	15.728%
26	12.353	1189	1191	1205	rBV3	914	2515	0.28%	0.045%
27	12.481	1205	1210	1225	rVB5	3951	9723	1.08%	0.175%
28	12.656	1225	1236	1241	rVB5	1295	3353	0.37%	0.060%
29	12.744	1241	1249	1253	rBV4	1018	2209	0.25%	0.040%
30	12.858	1261	1266	1297	rBV5	3645	10196	1.13%	0.183%
31	13.101	1297	1302	1311	rBV4	1036	3609	0.40%	0.065%
32	13.363	1335	1341	1353	rBV4	1030	2847	0.32%	0.051%
33	13.505	1353	1362	1393	rVB	431536	822311	91.42%	14.778%
34	13.896	1417	1420	1427	rBV3	2590	6474	0.72%	0.116%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60006.D
Acq On : 7 Oct 2013 12:27 am
Operator : krystend
Sample : mc24849-5
Misc : MS30132,MSM2080,4.713,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130925S.M
Title : SW-846 Method 8260

35	14.320	1479	1483	1503	rBV7	1753	10132	1.13%	0.182%
36	14.738	1529	1545	1565	rBV	335607	631181	70.17%	11.343%
37	14.933	1565	1574	1607	rVB	20807	52410	5.83%	0.942%
38	15.398	1639	1643	1649	rBV6	1701	2362	0.26%	0.042%
39	15.721	1685	1691	1697	rBV8	3565	11964	1.33%	0.215%
40	15.809	1697	1704	1731	rVB8	9427	27098	3.01%	0.487%
41	16.072	1731	1743	1767	rBV	499262	899533	100.00%	16.165%

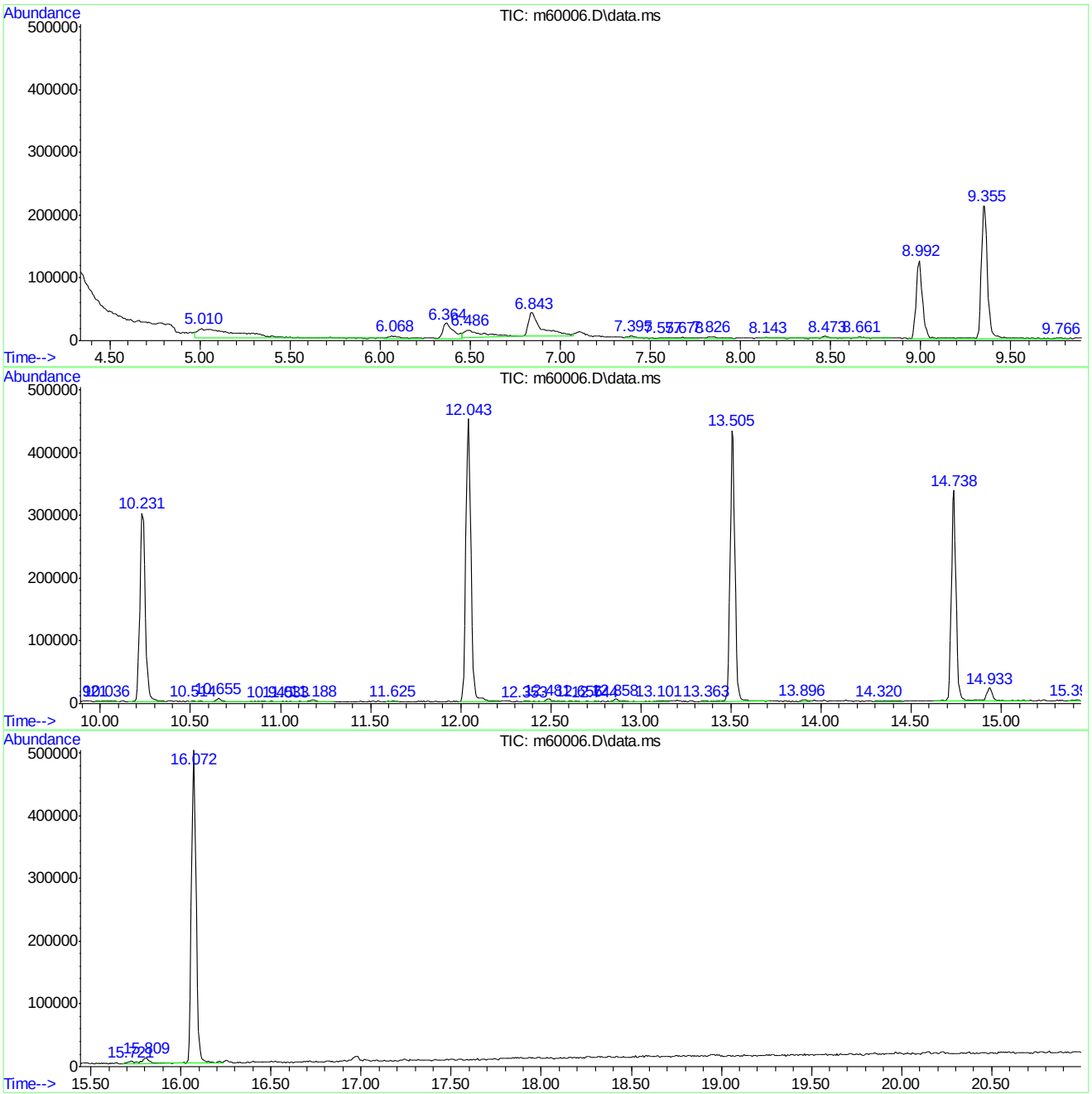
Sum of corrected areas: 5564548

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60006.D
Acq On : 7 Oct 2013 12:27 am
Operator : krystend
Sample : mc24849-5
Misc : MS30132,MSM2080,4.713,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60006.D
Acq On : 7 Oct 2013 12:27 am
Operator : krystend
Sample : mc24849-5
Misc : MS30132,MSM2080,4.713,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

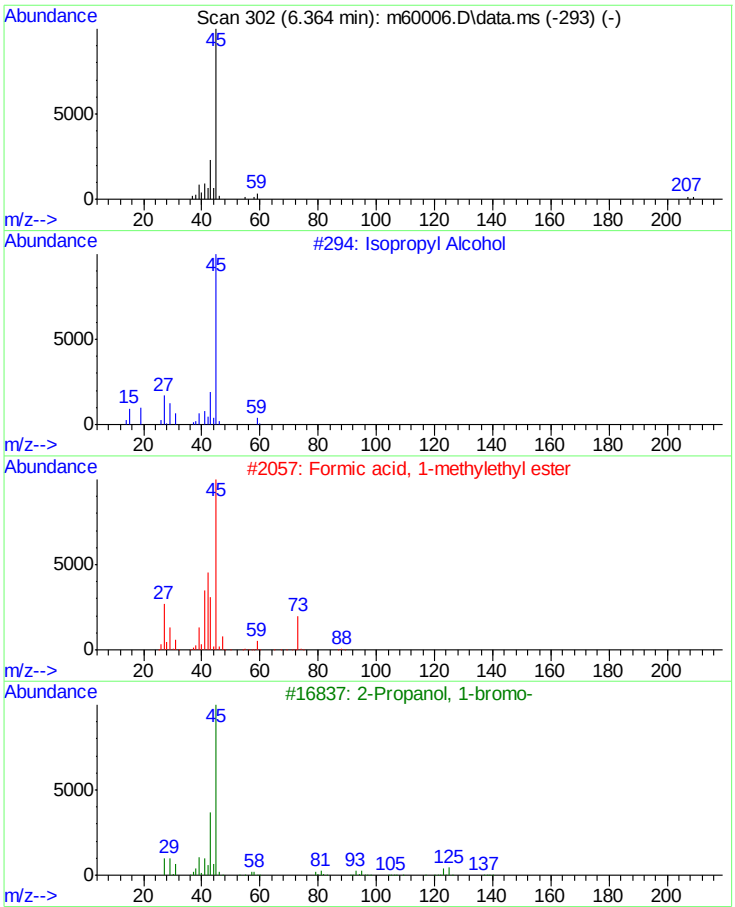
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

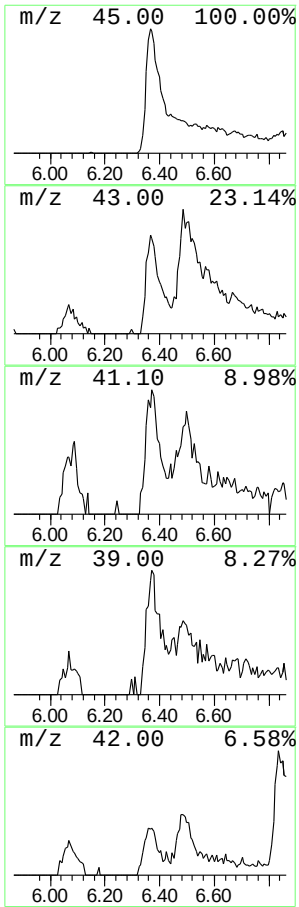
****

Peak Number 2 Isopropyl Alcohol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.364	10.05 ug/kg	99520	pentafluorobenzene	9.355

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	56
2	Formic acid, 1-methylethyl ester	88	C4H8O2	000625-55-8	40
3	2-Propanol, 1-bromo-	138	C3H7BrO	019686-73-8	40
4	4-Penten-2-ol	86	C5H10O	000625-31-0	9
5	2-Heptanol, 3-methyl-	130	C8H18O	031367-46-1	9





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60006.D
Acq On : 7 Oct 2013 12:27 am
Operator : krystend
Sample : mc24849-5
Misc : MS30132,MSM2080,4.713,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Isopropyl Alcohol	6.364	10.1	ug/kg	99520	2	9.355	494919	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60007.D
Acq On : 7 Oct 2013 12:56 am
Operator : krystend
Sample : mc24849-6
Misc : MS30132,MSM2080,5.694,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 07 09:30:52 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

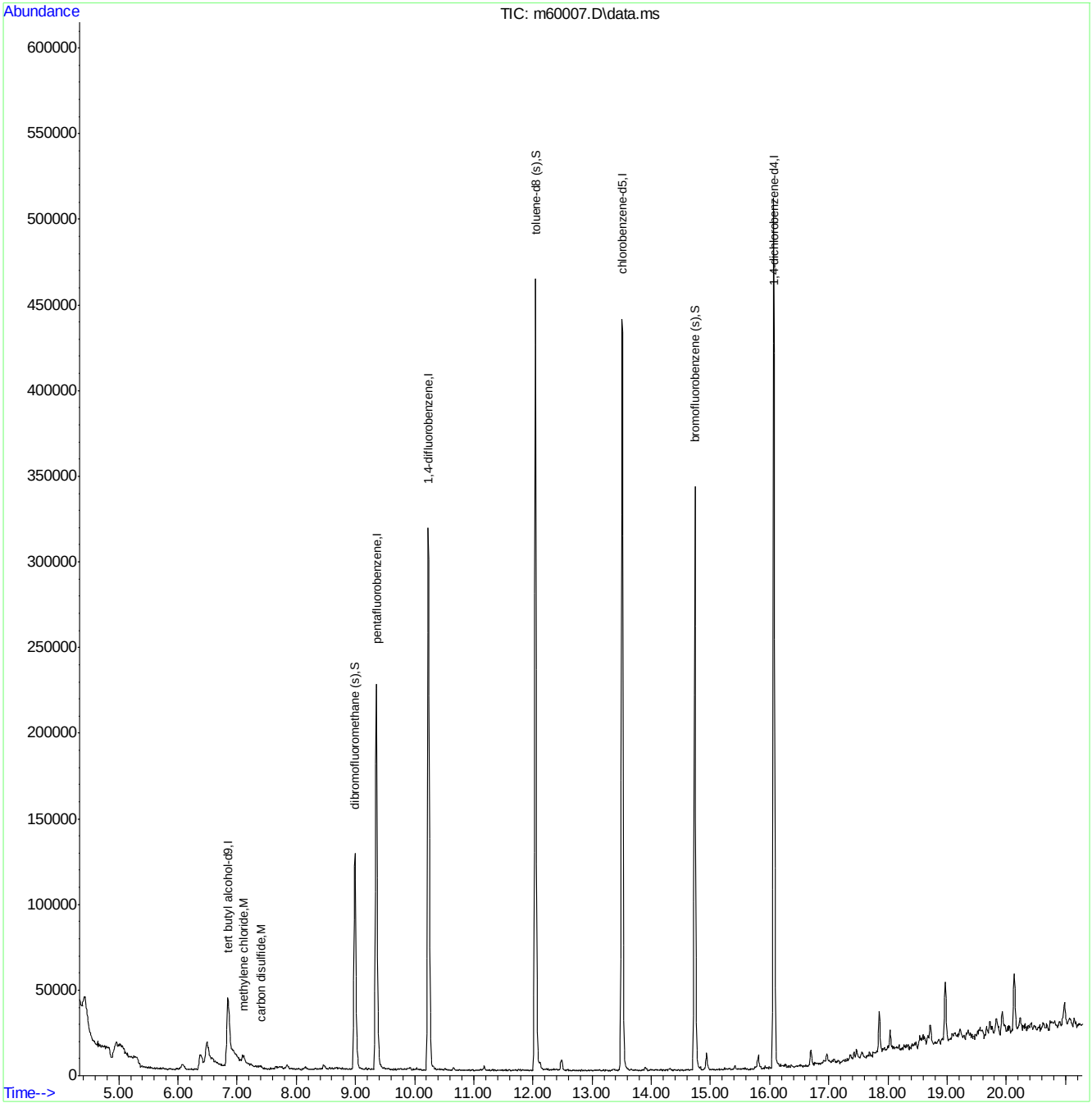
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	126340	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	185808	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	305326	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	131900	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	147421	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	94344	43.13	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 86.26%			
59) toluene-d8 (s)	12.043	98	338461	42.07	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.14%			
81) bromofluorobenzene (s)	14.738	95	120606	44.81	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.62%			
Target Compounds						Qvalue
18) methylene chloride	7.106	84	2038	0.90	ug/kg	97
24) carbon disulfide	7.402	76	3876	0.60	ug/kg	86

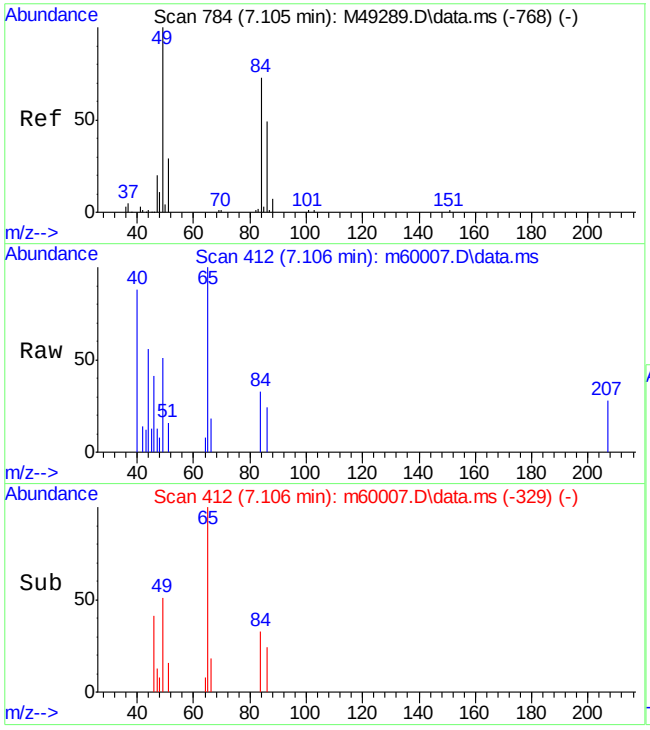
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60007.D
Acq On : 7 Oct 2013 12:56 am
Operator : krystend
Sample : mc24849-6
Misc : MS30132,MSM2080,5.694,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 07 09:30:52 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

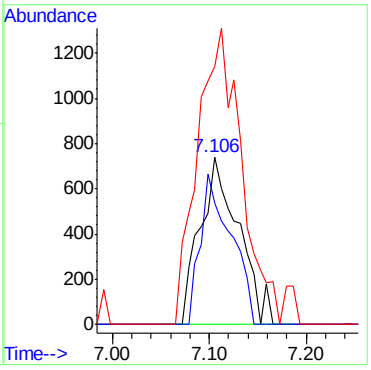


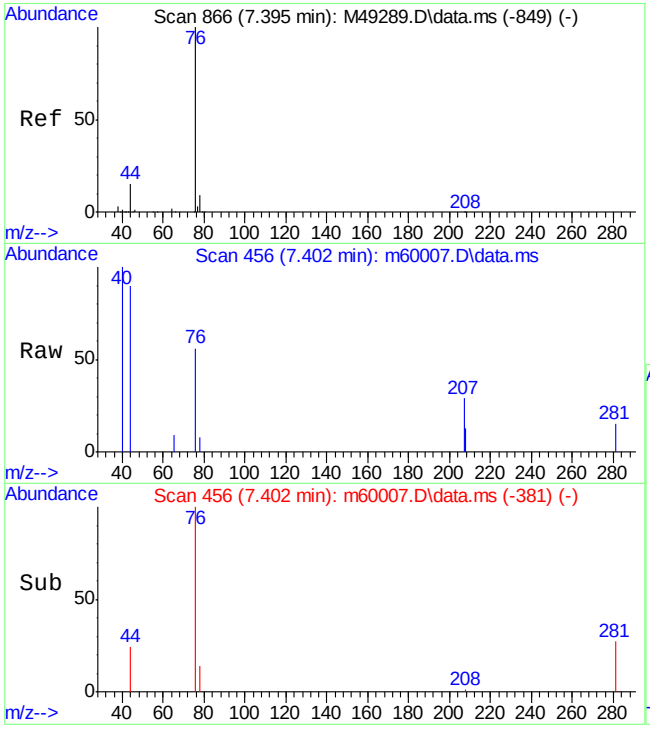


#18
methylene chloride
Concen: 0.90 ug/kg
RT: 7.106 min Scan# 412
Delta R.T. -0.000 min
Lab File: m60007.D
Acq: 7 Oct 2013 12:56 am

Tgt Ion: 84 Resp: 2038

Ion	Ratio	Lower	Upper
84	100		
86	72.5	37.2	97.2
49	154.0	125.7	185.7

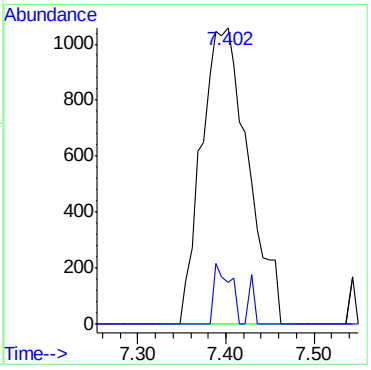




#24
carbon disulfide
Concen: 0.60 ug/kg
RT: 7.402 min Scan# 456
Delta R.T. 0.007 min
Lab File: m60007.D
Acq: 7 Oct 2013 12:56 am

Tgt Ion: 76 Resp: 3876

Ion	Ratio	Lower	Upper
76	100		
78	14.2	0.0	39.1



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60007.D
Acq On : 7 Oct 2013 12:56 am
Operator : krystend
Sample : mc24849-6
Misc : MS30132,MSM2080,5.694,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130925S.M
Title : SW-846 Method 8260

Signal : TIC: m60007.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.963	83	94	247	rVB3	16084	307204	33.12%	4.917%
2	6.088	247	261	285	rVB5	3552	21411	2.31%	0.343%
3	6.304	285	293	297	rBV2	1284	3572	0.39%	0.057%
4	6.385	297	305	313	rBV2	9115	38814	4.18%	0.621%
5	6.493	313	321	365	rVB3	13974	83959	9.05%	1.344%
6	6.843	365	373	407	rBV	40119	205985	22.21%	3.297%
7	7.665	491	495	515	rVV7	1495	8394	0.90%	0.134%
8	7.847	515	522	557	rVB5	2849	12827	1.38%	0.205%
9	8.156	563	568	589	rVB5	1525	4615	0.50%	0.074%
10	8.460	609	613	639	rVV8	2532	7830	0.84%	0.125%
11	8.689	639	647	667	rVB6	1373	7307	0.79%	0.117%
12	8.992	681	692	737	rVB	125997	306348	33.02%	4.903%
13	9.349	737	745	793	rVB	225443	512759	55.28%	8.206%
14	9.766	793	807	821	rBV4	1245	6426	0.69%	0.103%
15	10.036	845	847	867	rVB4	1820	3710	0.40%	0.059%
16	10.231	867	876	897	rBV	316550	657888	70.92%	10.529%
17	10.521	915	919	933	rVB4	1449	3653	0.39%	0.058%
18	10.656	933	939	977	rVB3	1866	7049	0.76%	0.113%
19	10.992	977	989	1001	rBV3	613	2006	0.22%	0.032%
20	11.174	1009	1016	1031	rVB4	2855	7222	0.78%	0.116%
21	11.781	1099	1106	1109	rBV3	1141	2378	0.26%	0.038%
22	11.828	1109	1113	1129	rVV3	805	3003	0.32%	0.048%
23	12.043	1129	1145	1191	rBV	462235	902816	97.33%	14.449%
24	12.387	1191	1196	1205	rBV4	932	2969	0.32%	0.048%
25	12.488	1205	1211	1221	rVB3	5982	14392	1.55%	0.230%
26	12.926	1267	1276	1287	rVB2	593	2679	0.29%	0.043%
27	13.128	1287	1306	1311	rVB2	843	3873	0.42%	0.062%
28	13.236	1319	1322	1331	rVB2	813	2024	0.22%	0.032%
29	13.357	1331	1340	1347	rBV2	1191	4184	0.45%	0.067%
30	13.505	1353	1362	1409	rVB	439131	841645	90.73%	13.470%
31	13.889	1409	1419	1429	rBV5	2199	6345	0.68%	0.102%
32	13.990	1429	1434	1449	rVB4	822	2875	0.31%	0.046%
33	14.313	1479	1482	1487	rVB3	1396	2308	0.25%	0.037%
34	14.401	1491	1495	1507	rVB3	1078	2712	0.29%	0.043%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60007.D
Acq On : 7 Oct 2013 12:56 am
Operator : krystend
Sample : mc24849-6
Misc : MS30132,MSM2080,5.694,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130925S.M
Title : SW-846 Method 8260

35	14.738	1533	1545	1565	rBV	340814	632186	68.15%	10.118%
36	14.933	1565	1574	1595	rVB3	10217	25613	2.76%	0.410%
37	15.236	1613	1619	1635	rVB4	1911	7650	0.82%	0.122%
38	15.418	1637	1646	1659	rVV4	2478	7051	0.76%	0.113%
39	15.809	1691	1704	1717	rBV5	8488	21621	2.33%	0.346%
40	16.072	1733	1743	1829	rBV	508115	927629	100.00%	14.846%
41	16.698	1829	1836	1861	rBV4	9404	29350	3.16%	0.470%
42	16.968	1873	1876	1941	rBV10	3877	9354	1.01%	0.150%
43	17.857	2003	2008	2031	rBV	23814	51878	5.59%	0.830%
44	18.712	2031	2135	2167	rVV9	14132	193733	20.88%	3.101%
45	18.968	2167	2173	2311	rVV3	34539	339044	36.55%	5.426%

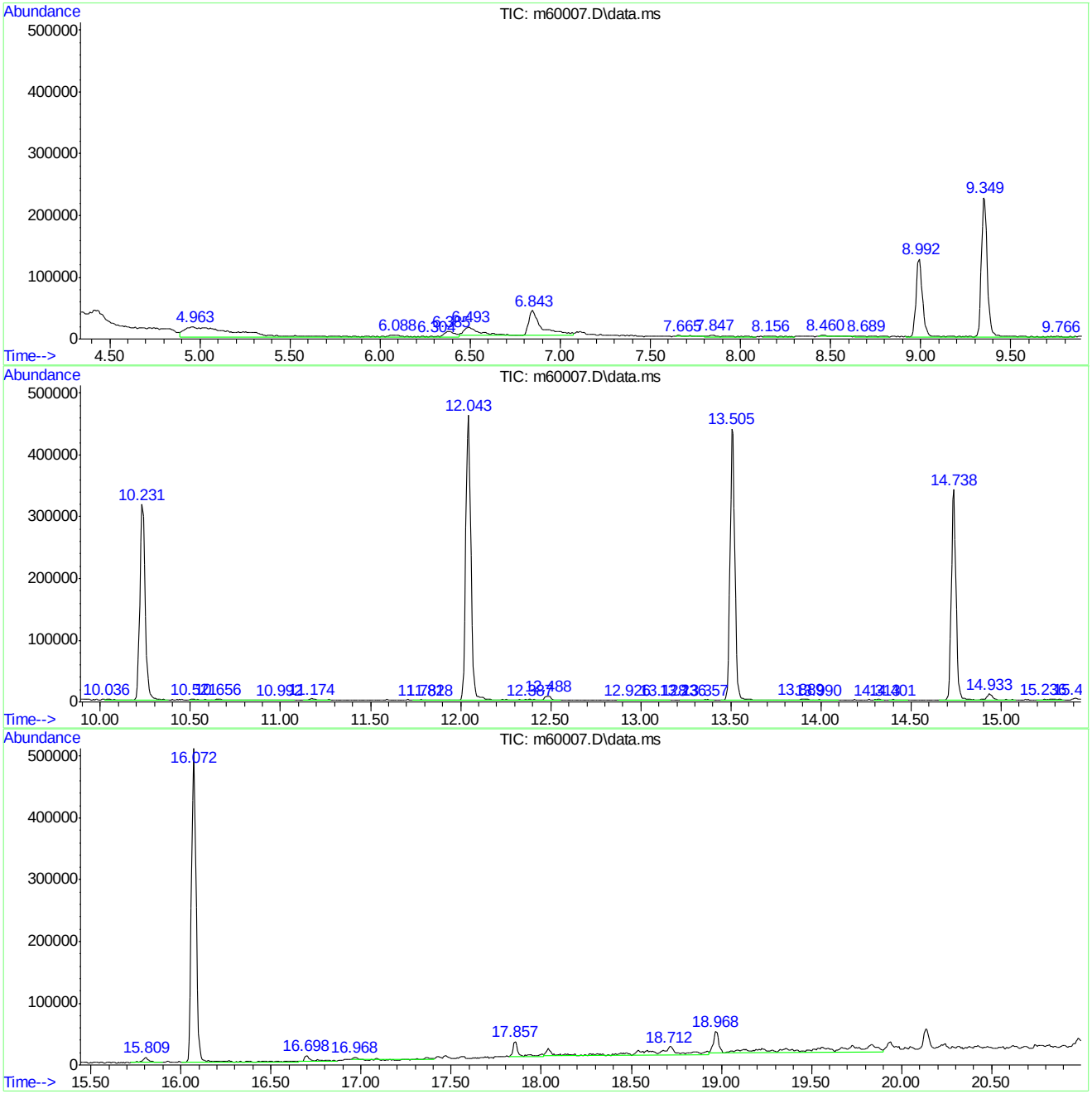
Sum of corrected areas: 6248291

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60007.D
Acq On : 7 Oct 2013 12:56 am
Operator : krystend
Sample : mc24849-6
Misc : MS30132,MSM2080,5.694,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60007.D
Acq On : 7 Oct 2013 12:56 am
Operator : krystend
Sample : mc24849-6
Misc : MS30132,MSM2080,5.694,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

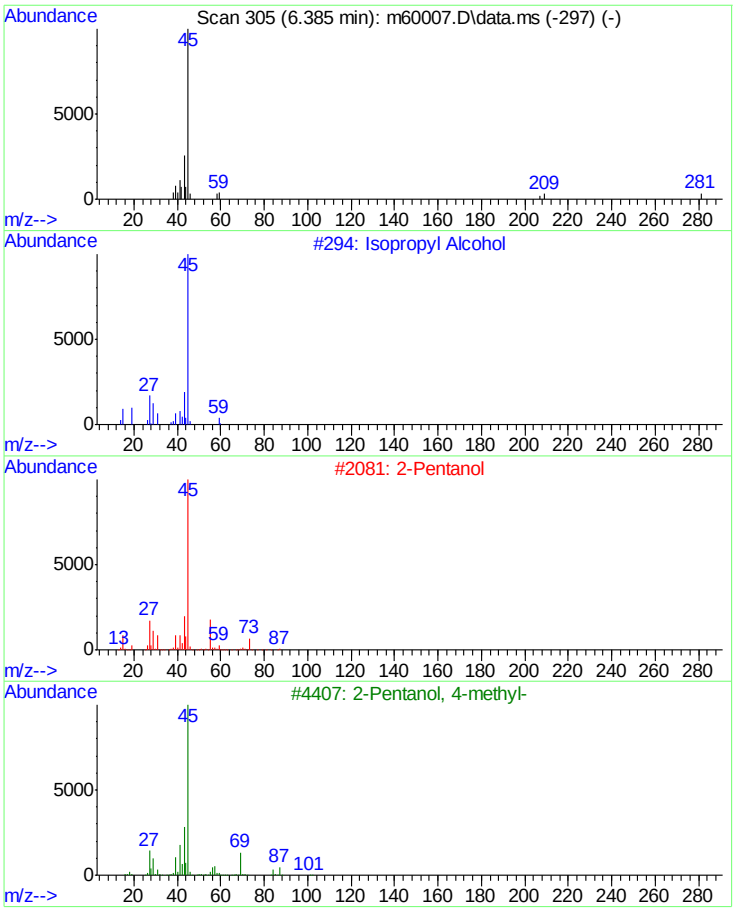
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

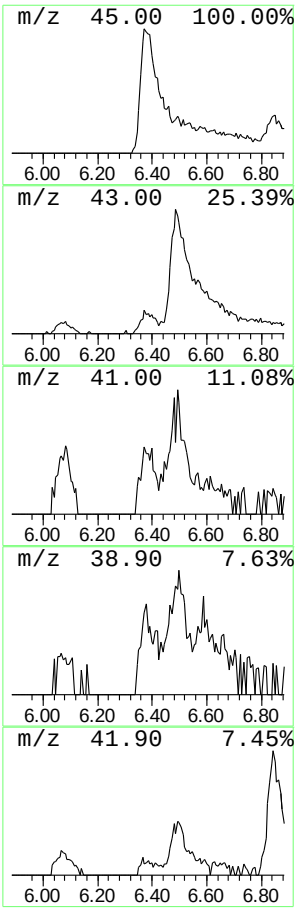
****

Peak Number 3 Isopropyl Alcohol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.385	3.78 ug/kg	38814	pentafluorobenzene	9.355

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	56
2	2-Pentanol	88	C5H12O	006032-29-7	40
3	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	9
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
5	3-Ethyl-2-pentanol	116	C7H16O	000609-27-8	9





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60007.D
Acq On : 7 Oct 2013 12:56 am
Operator : krystend
Sample : mc24849-6
Misc : MS30132,MSM2080,5.694,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

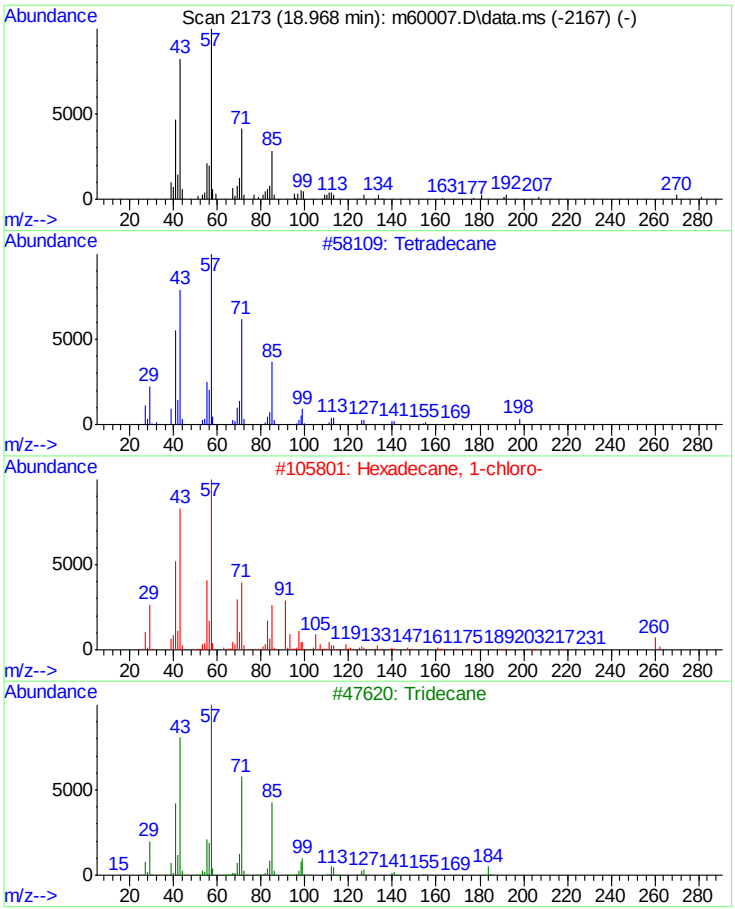
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

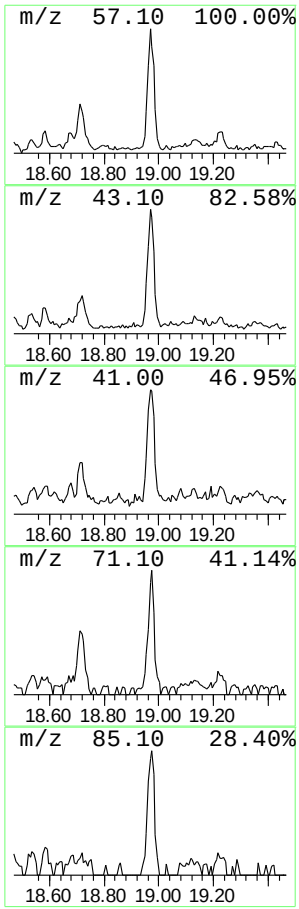
****

Peak Number 6 Tetradecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.968	18.27 ug/kg	339044	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	86
2	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	78
3	Tridecane	184	C13H28	000629-50-5	78
4	Dodecane	170	C12H26	000112-40-3	64
5	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	64





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60007.D
Acq On : 7 Oct 2013 12:56 am
Operator : krystend
Sample : mc24849-6
Misc : MS30132,MSM2080,5.694,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Isopropyl Alcohol	6.385	3.8	ug/kg	38814	2	9.355	512759	50.0
Tetradecane	18.968	18.3	ug/kg	339044	5	16.072	927629	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60009.D
Acq On : 7 Oct 2013 1:55 am
Operator : krystend
Sample : mc24849-7
Misc : MS30132,MSM2080,5.563,,,5,1
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Oct 07 09:36:14 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

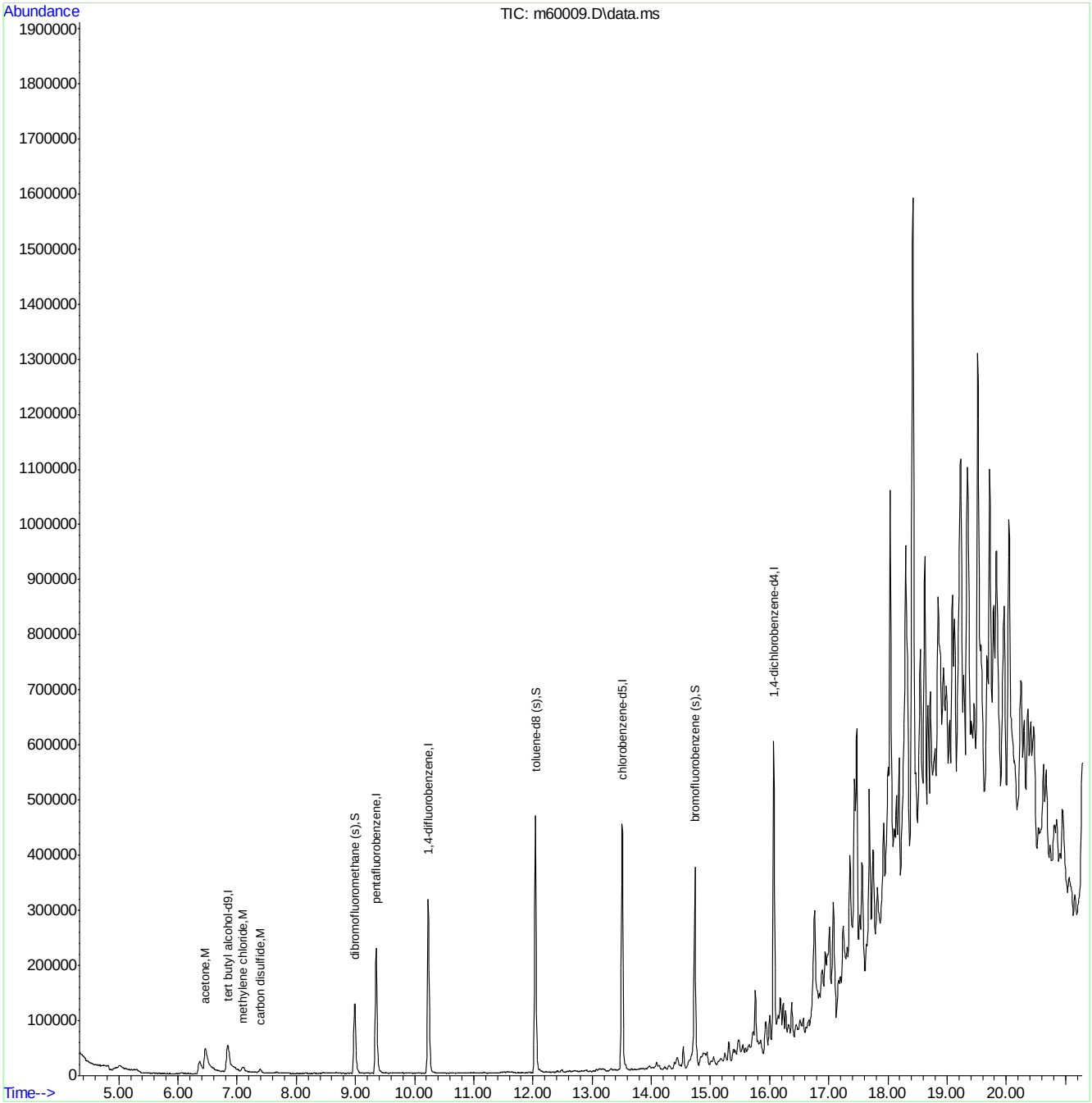
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	146711	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	184229	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	304800	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	136831	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	163688	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	95276	43.93	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.86%			
59) toluene-d8 (s)	12.043	98	342589	42.66	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 85.32%			
81) bromofluorobenzene (s)	14.738	95	133737	44.75	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.50%			
Target Compounds						Qvalue
16) acetone	6.459	58	43940	211.48	ug/kg#	78
18) methylene chloride	7.099	84	4576	2.05	ug/kg	97
24) carbon disulfide	7.388	76	17924	2.79	ug/kg	98

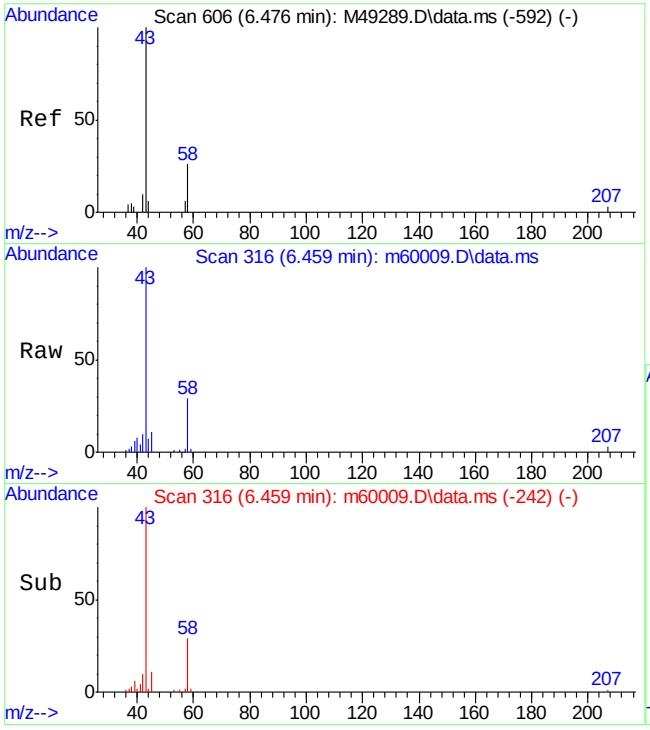
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60009.D
Acq On : 7 Oct 2013 1:55 am
Operator : krystend
Sample : mc24849-7
Misc : MS30132,MSM2080,5.563,,,5,1
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Oct 07 09:36:14 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

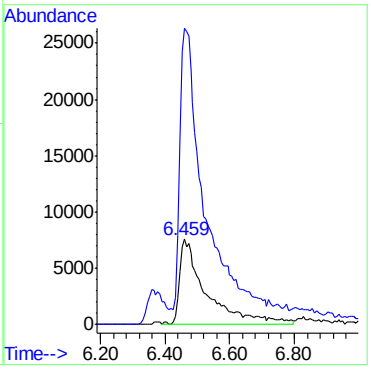


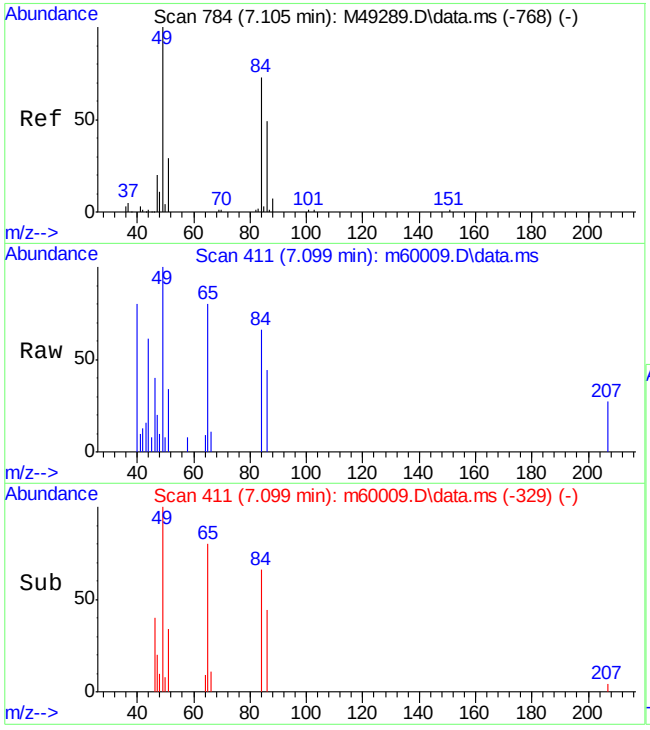


#16
acetone
Concen: 211.48 ug/kg
RT: 6.459 min Scan# 316
Delta R.T. -0.000 min
Lab File: m60009.D
Acq: 7 Oct 2013 1:55 am

Tgt Ion: 58 Resp: 43940

Ion	Ratio	Lower	Upper
58	100		
43	330.9	350.4	410.4#

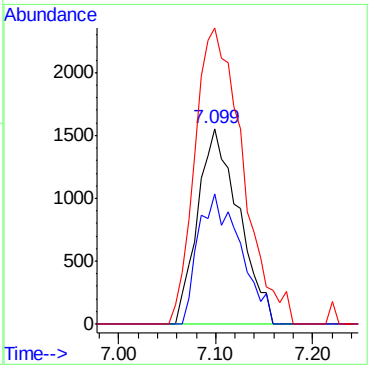


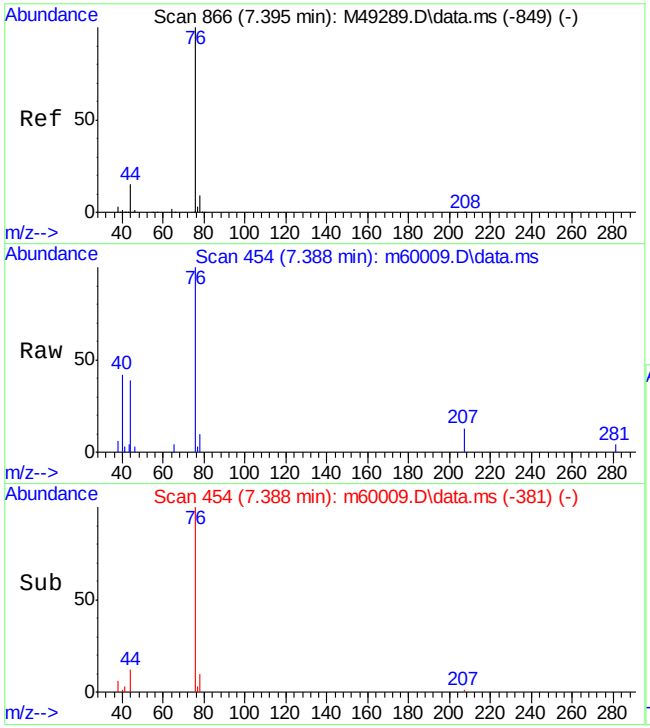


#18
methylene chloride
Concen: 2.05 ug/kg
RT: 7.099 min Scan# 411
Delta R.T. -0.007 min
Lab File: m60009.D
Acq: 7 Oct 2013 1:55 am

Tgt Ion: 84 Resp: 4576

Ion	Ratio	Lower	Upper
84	100		
86	66.6	37.2	97.2
49	151.4	125.7	185.7

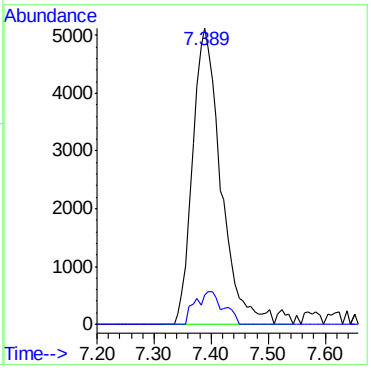




#24
carbon disulfide
Concen: 2.79 ug/kg
RT: 7.388 min Scan# 454
Delta R.T. -0.006 min
Lab File: m60009.D
Acq: 7 Oct 2013 1:55 am

Tgt Ion: 76 Resp: 17924

Ion	Ratio	Lower	Upper
76	100		
78	9.8	0.0	39.1



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60009.D
Acq On : 7 Oct 2013 1:55 am
Operator : krystend
Sample : mc24849-7
Misc : MS30132,MSM2080,5.563,,,5,1
ALS Vial : 37 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130925S.M
Title : SW-846 Method 8260

Signal : TIC: m60009.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.061	247	257	269	rBV4	2012	7299	0.26%	0.025%
2	6.365	291	302	311	rBV	23071	92442	3.33%	0.323%
3	6.459	311	316	363	rVV	46085	303091	10.91%	1.059%
4	6.836	363	372	403	rVV2	50861	297596	10.71%	1.040%
5	7.092	405	410	447	rVV6	11877	82437	2.97%	0.288%
6	7.389	447	454	487	rVV2	7836	34699	1.25%	0.121%
7	7.651	487	493	519	rVV5	3153	16192	0.58%	0.057%
8	7.853	519	523	533	rVB7	1114	3003	0.11%	0.010%
9	8.163	559	569	579	rBV6	1266	3370	0.12%	0.012%
10	8.460	607	613	627	rBV4	2293	6518	0.23%	0.023%
11	8.796	659	663	669	rVB4	1002	2262	0.08%	0.008%
12	8.877	669	675	679	rBV4	1291	3186	0.11%	0.011%
13	8.985	679	691	715	rVV	126207	312736	11.26%	1.092%
14	9.228	717	727	737	rVV6	1149	5206	0.19%	0.018%
15	9.349	737	745	775	rVB	226880	510766	18.39%	1.784%
16	10.231	863	876	899	rBV	316854	667327	24.02%	2.331%
17	10.474	899	912	927	rVB8	1749	9846	0.35%	0.034%
18	12.043	1137	1145	1205	rBV	466890	948256	34.13%	3.312%
19	12.495	1205	1212	1285	rVV5	5226	58635	2.11%	0.205%
20	13.317	1327	1334	1353	rBV8	5560	26729	0.96%	0.093%
21	13.505	1353	1362	1443	rVV	447289	944733	34.01%	3.300%
22	14.091	1443	1449	1465	rVB8	13085	46915	1.69%	0.164%
23	14.307	1475	1481	1487	rBV10	6460	18510	0.67%	0.065%
24	14.441	1487	1501	1511	rBV8	20903	96247	3.46%	0.336%
25	14.543	1511	1516	1523	rVB	39006	67447	2.43%	0.236%
26	14.738	1523	1545	1555	rBV	364376	821944	29.59%	2.871%
27	14.940	1555	1575	1617	rBV	25334	279289	10.05%	0.976%
28	15.310	1625	1630	1637	rVB2	33090	55299	1.99%	0.193%
29	15.391	1637	1642	1649	rBV6	19355	65745	2.37%	0.230%
30	15.479	1649	1655	1687	rBV6	26710	194663	7.01%	0.680%
31	15.762	1693	1697	1717	rVB2	116332	317262	11.42%	1.108%
32	15.937	1717	1723	1729	rBV5	58273	155161	5.59%	0.542%
33	16.004	1729	1733	1737	rVV3	50449	87702	3.16%	0.306%
34	16.072	1737	1743	1785	rVV	543936	1588456	57.18%	5.549%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60009.D
Acq On : 7 Oct 2013 1:55 am
Operator : krystend
Sample : mc24849-7
Misc : MS30132,MSM2080,5.563,,,5,1
ALS Vial : 37 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130925S.M
Title : SW-846 Method 8260

35	16.759	1835	1845	1887	rBV	197922	1850723	66.62%	6.465%
36	17.082	1887	1893	1901	rVB4	208967	541034	19.48%	1.890%
37	17.244	1901	1917	1929	rBV10	164884	1071737	38.58%	3.744%
38	17.358	1929	1934	1941	rVV2	202801	507911	18.28%	1.774%
39	17.473	1941	1951	1977	rVB7	402144	1811622	65.21%	6.328%
40	18.039	2029	2035	2067	rVB	552880	306543	11.03%	1.071%
41	18.301	2067	2074	2085	rVB5	523473	1754756	63.17%	6.129%
42	18.423	2085	2092	2105	rBV	1154237	2778026	100.00%	9.704%
43	18.551	2105	2111	2117	rBV5	296116	743925	26.78%	2.599%
44	18.625	2117	2122	2151	rBV7	412210	1213695	43.69%	4.239%
45	18.847	2151	2155	2187	rBV10	324015	2126592	76.55%	7.428%
46	19.231	2203	2212	2223	rVB8	536889	1933844	69.61%	6.755%
47	19.346	2223	2229	2249	rBV9	521953	1801649	64.85%	6.293%
48	19.521	2249	2255	2281	rBV3	715968	2055470	73.99%	7.180%

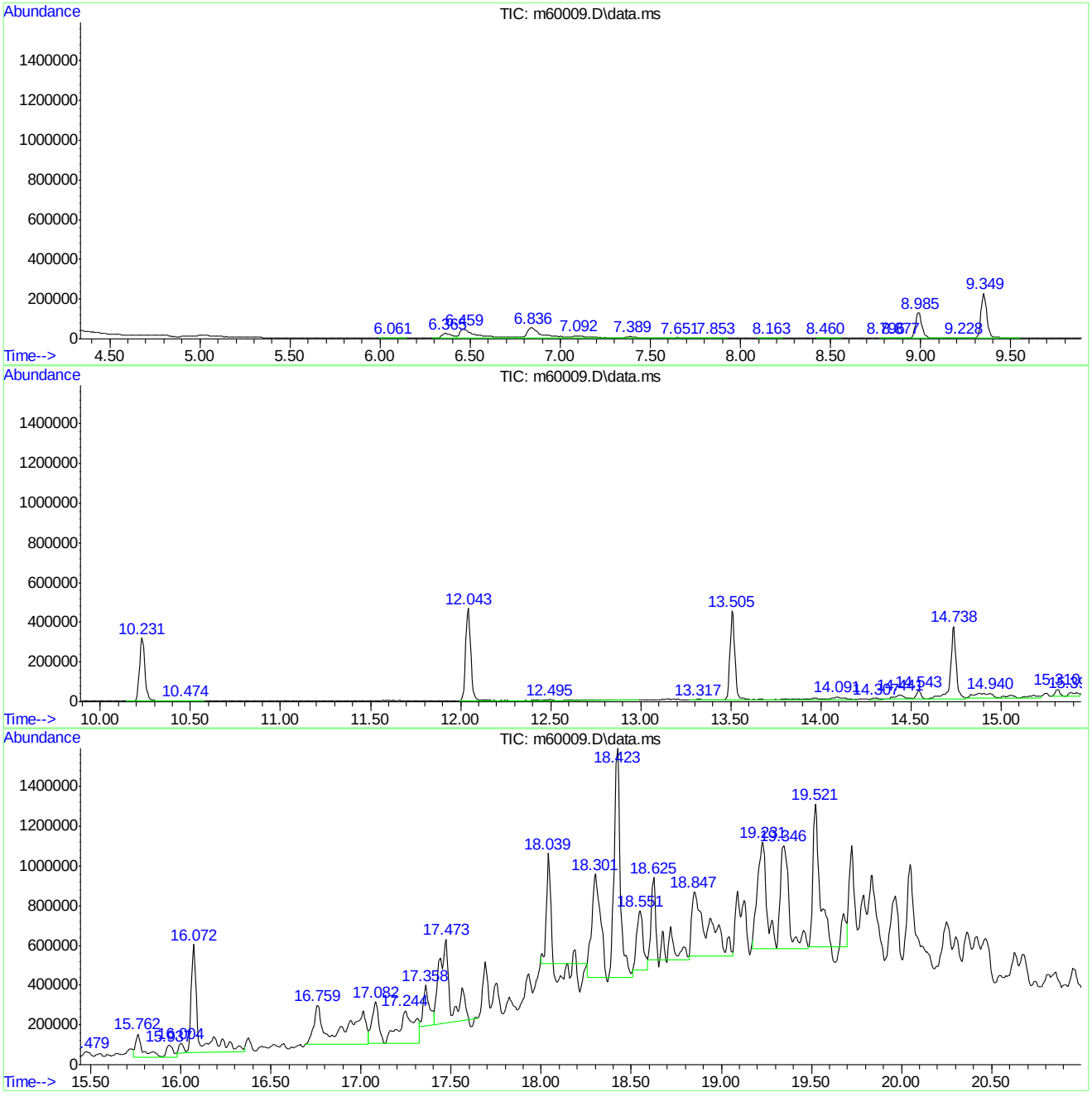
Sum of corrected areas: 28628496

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60009.D
Acq On : 7 Oct 2013 1:55 am
Operator : krystend
Sample : mc24849-7
Misc : MS30132,MSM2080,5.563,,,5,1
ALS Vial : 37 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60009.D
Acq On : 7 Oct 2013 1:55 am
Operator : krystend
Sample : mc24849-7
Misc : MS30132,MSM2080,5.563,,,5,1
ALS Vial : 37 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

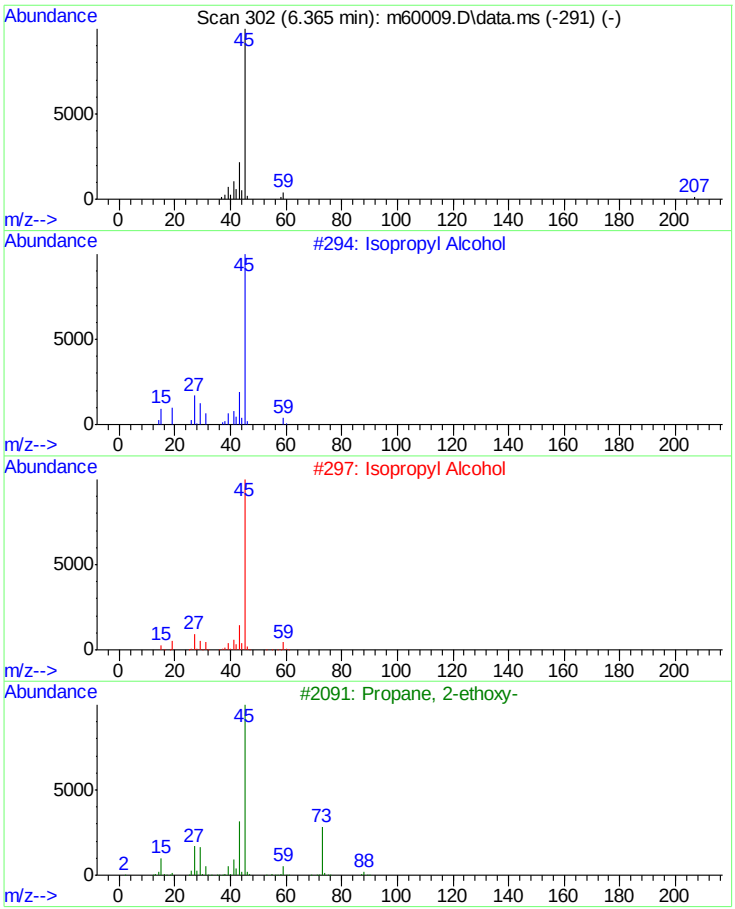
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

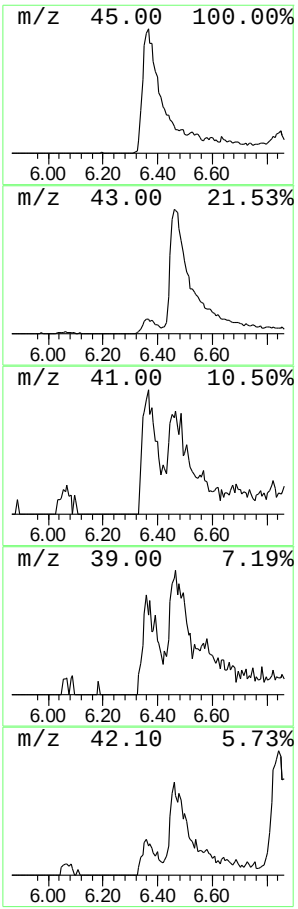
****

Peak Number 1 Isopropyl Alcohol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.365	9.05 ug/kg	92442	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	64
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	64
3	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	43
4	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	40
5	Formic acid, 1-methylethyl ester	88	C4H8O2	000625-55-8	40





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60009.D
Acq On : 7 Oct 2013 1:55 am
Operator : krystend
Sample : mc24849-7
Misc : MS30132,MSM2080,5.563,,,5,1
ALS Vial : 37 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

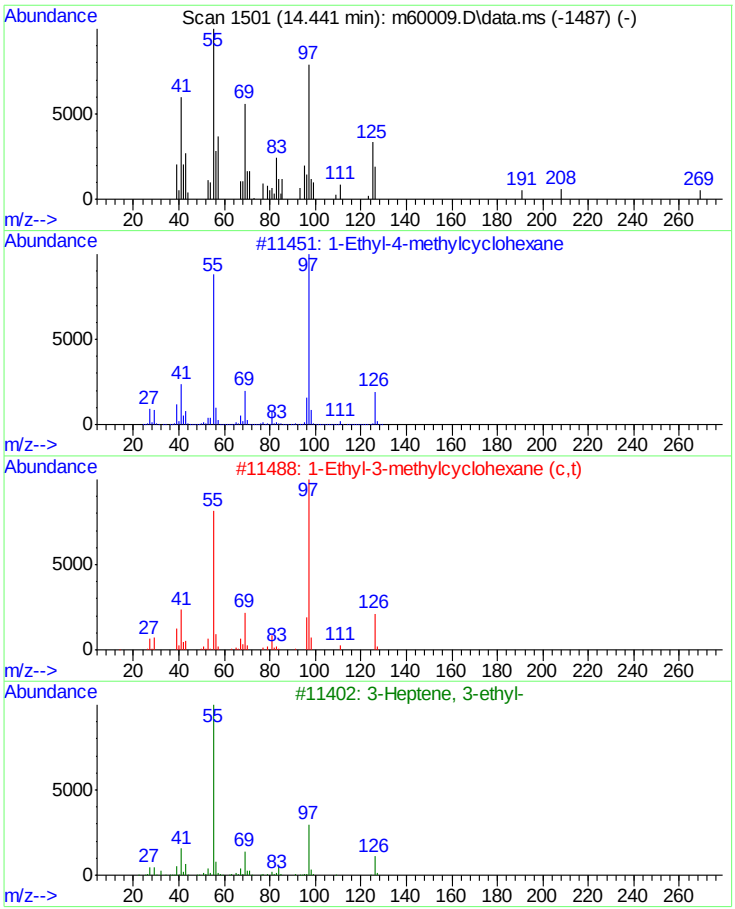
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

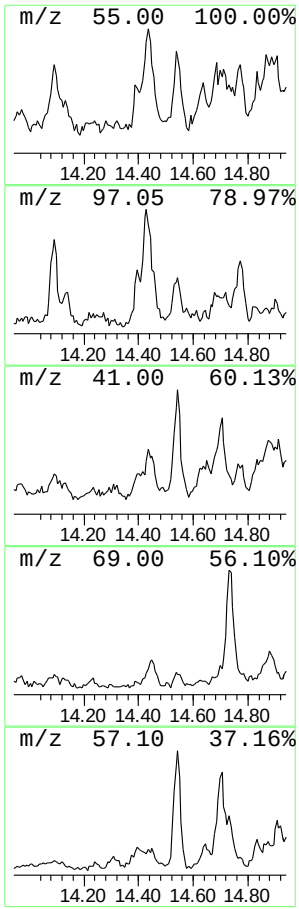
****

Peak Number 2 1-Ethyl-4-methylcyclohexane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.442	5.09 ug/kg	96247	chlorobenzene-d5	13.505

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	49
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	47
3	3-Heptene, 3-ethyl-	126	C9H18	074764-46-8	47
4	Thiophene, 2-propyl-	126	C7H10S	001551-27-5	47
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	46





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60009.D
Acq On : 7 Oct 2013 1:55 am
Operator : krystend
Sample : mc24849-7
Misc : MS30132,MSM2080,5.563,,,5,1
ALS Vial : 37 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

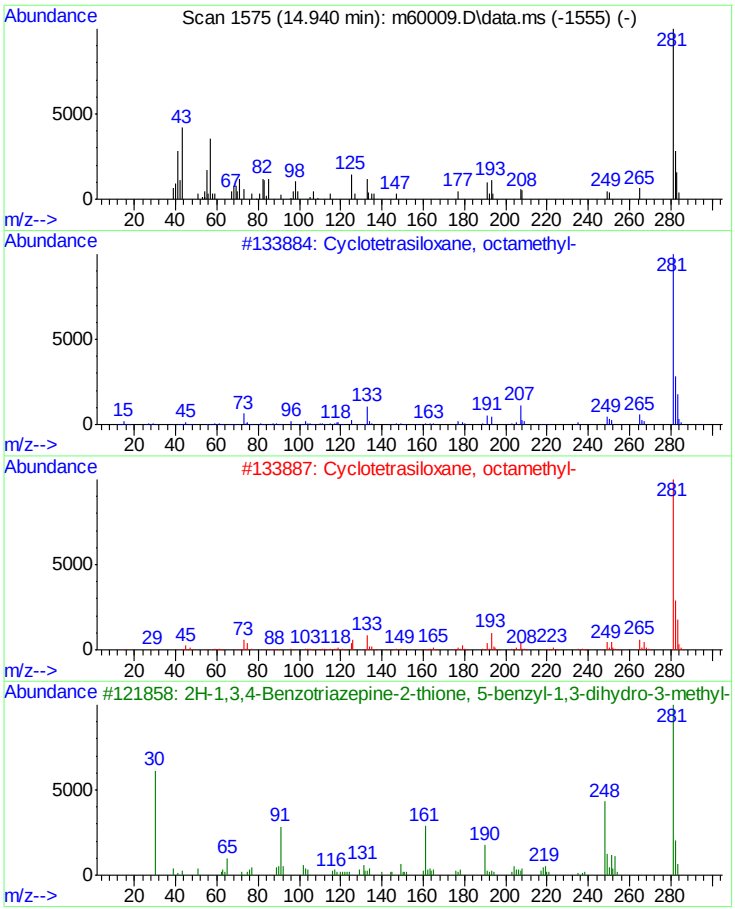
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

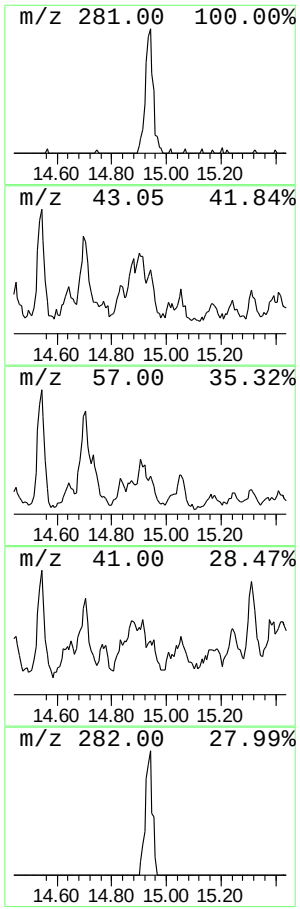
****

Peak Number 3 Cyclotetrasiloxane, octamet... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.940	8.79 ug/kg	279289	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	78
2	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	72
3	2H-1,3,4-Benzotriazepine-2-thion...	281	C16H15N3S	141071-26-3	59
4	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	59
5	5H-Cyclohepta[b]pyridine-3-carbo...	281	C17H16FN3	327098-56-6	59





Library Search Compound Report

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Acq On : 7 Oct 2013 1:55 am
Operator : krystend
Sample : mc24849-7
Misc : MS30132,MSM2080,5.563,,,5,1
ALS Vial : 37 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

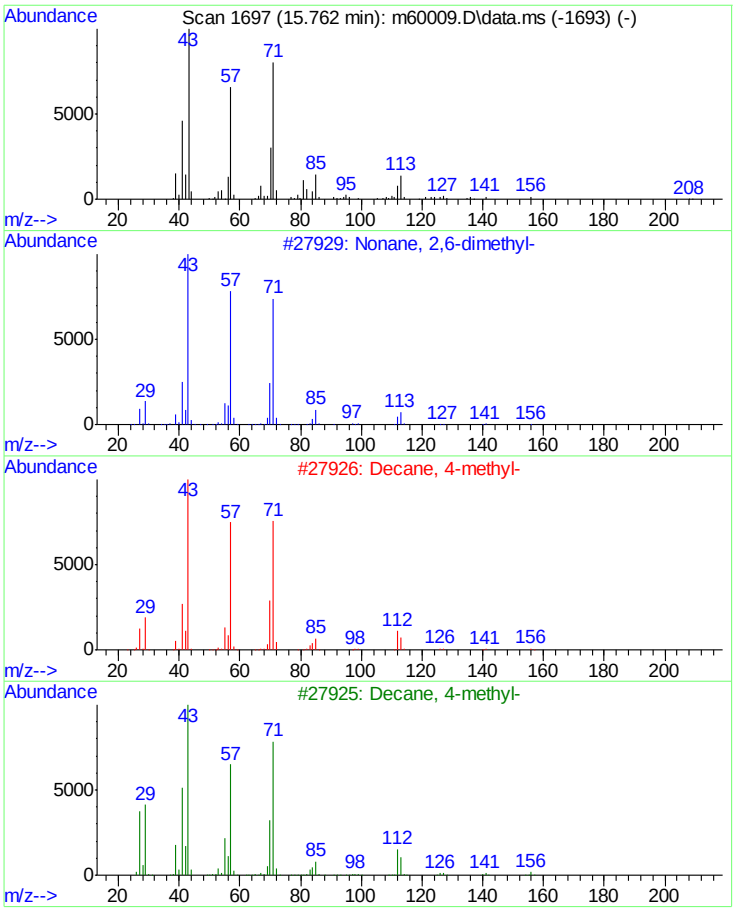
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

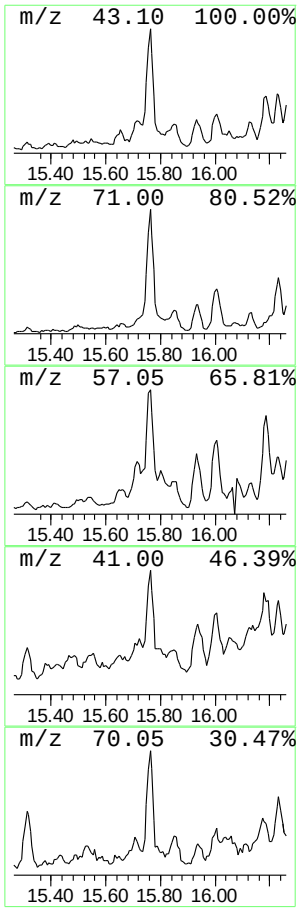
****

Peak Number 5 Nonane, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.762	9.99 ug/kg	317262	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	90
2	Decane, 4-methyl-	156	C11H24	002847-72-5	83
3	Decane, 4-methyl-	156	C11H24	002847-72-5	72
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64





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Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

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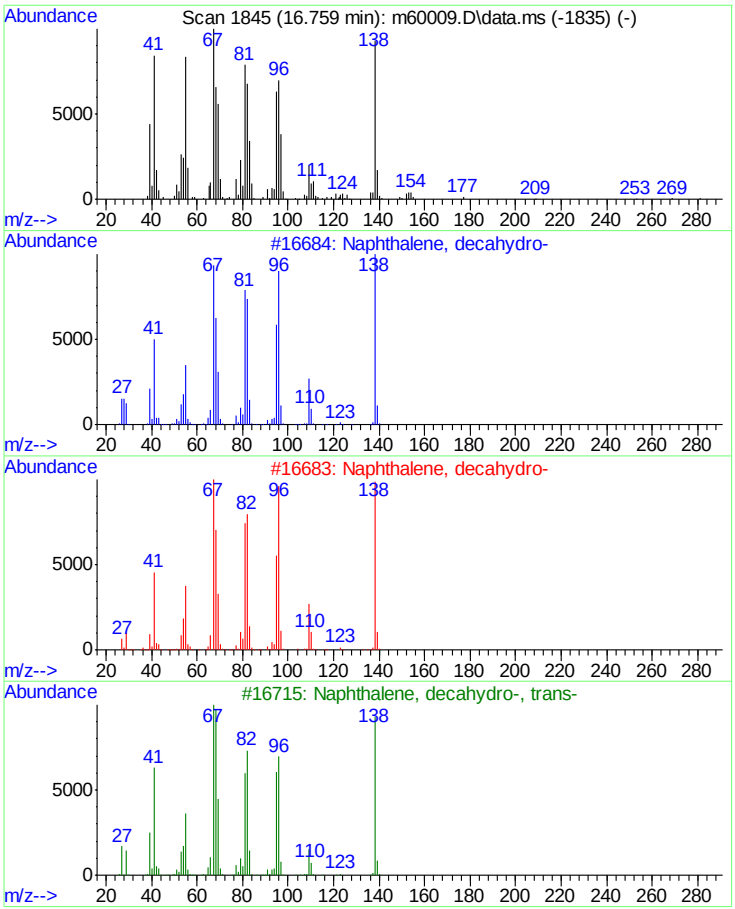
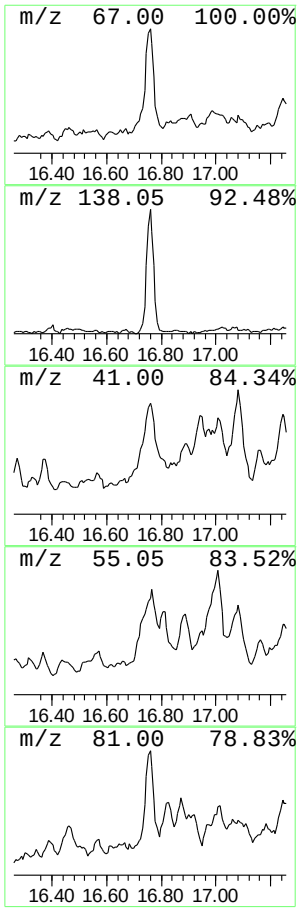
Peak Number 6 Naphthalene, decahydro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.759	58.26 ug/kg	1850720	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	97
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	94
3	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
4	Naphthalene, decahydro-	138	C10H18	000091-17-8	93
5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	89





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Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

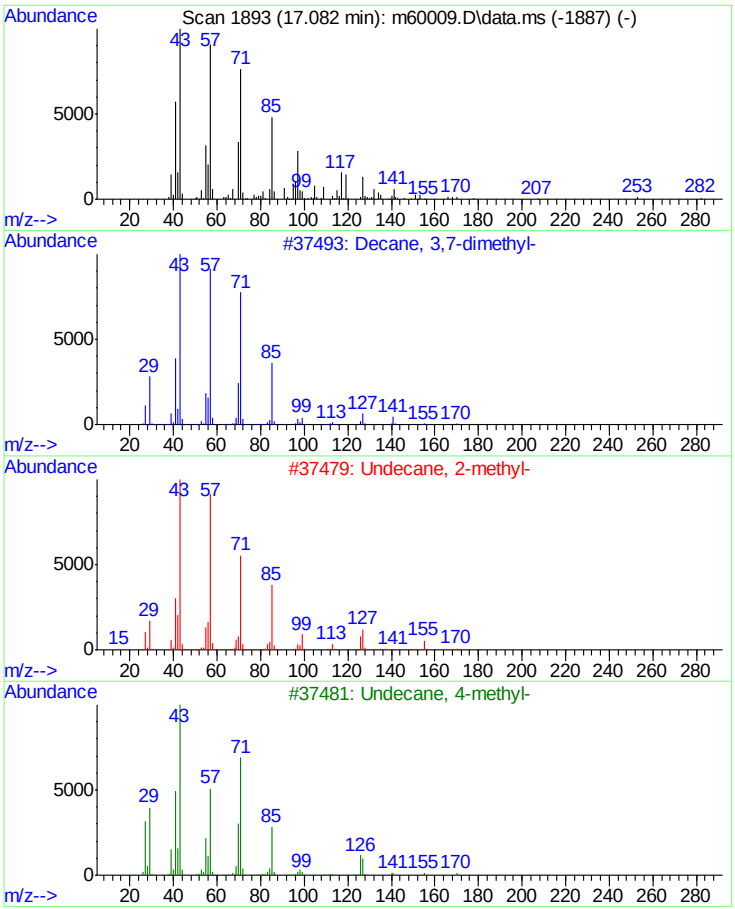
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

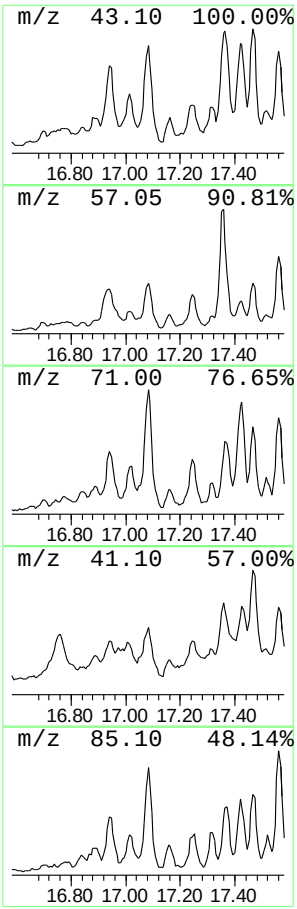
****

Peak Number 7 Decane, 3,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.082	17.03 ug/kg	541034	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	62
2	Undecane, 2-methyl-	170	C12H26	007045-71-8	58
3	Undecane, 4-methyl-	170	C12H26	002980-69-0	53
4	Heptadecane	240	C17H36	000629-78-7	50
5	Hexadecane	226	C16H34	000544-76-3	50





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Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

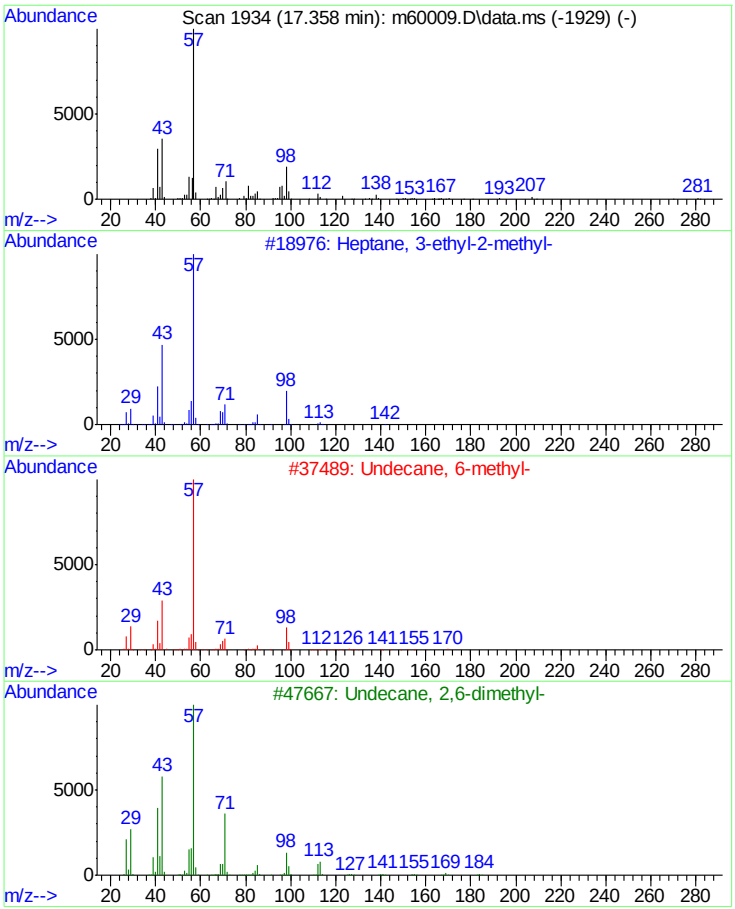
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

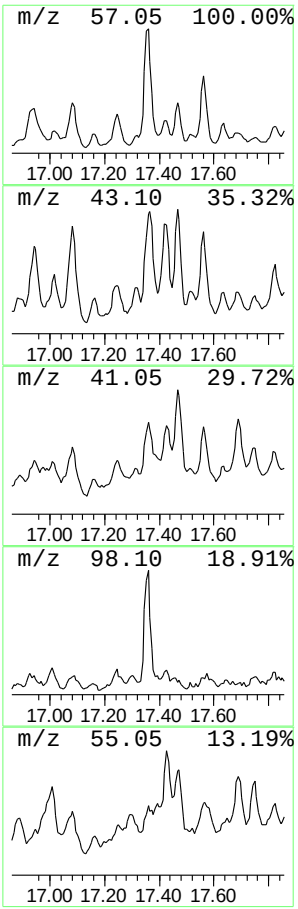
****

Peak Number 9 Heptane, 3-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.358	15.99 ug/kg	507911	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
2	Undecane, 6-methyl-	170	C12H26	017302-33-9	58
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
4	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	50
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	47





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Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

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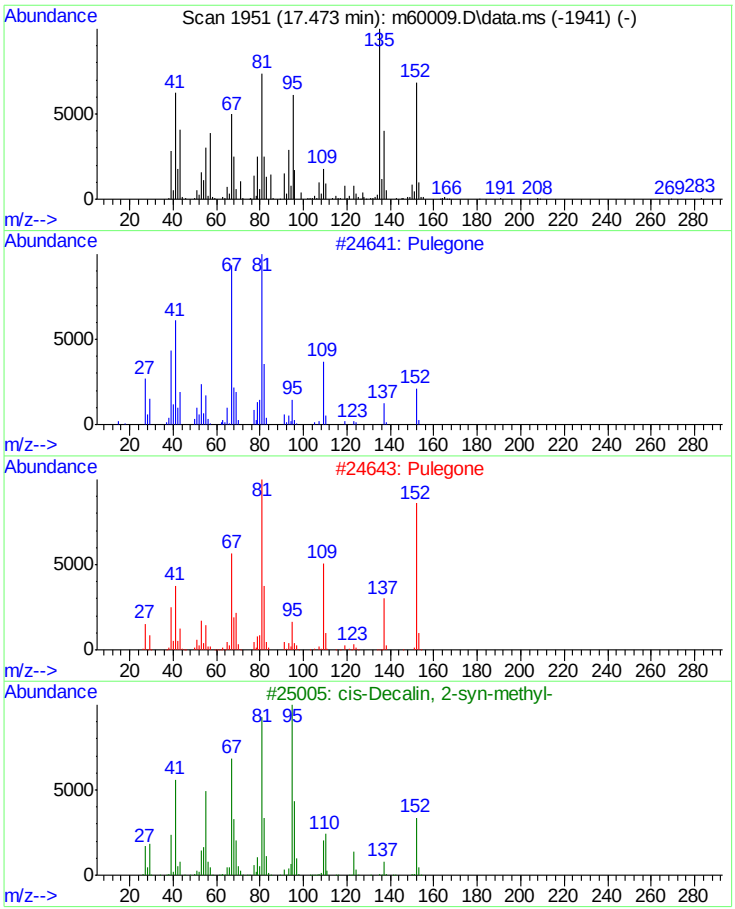
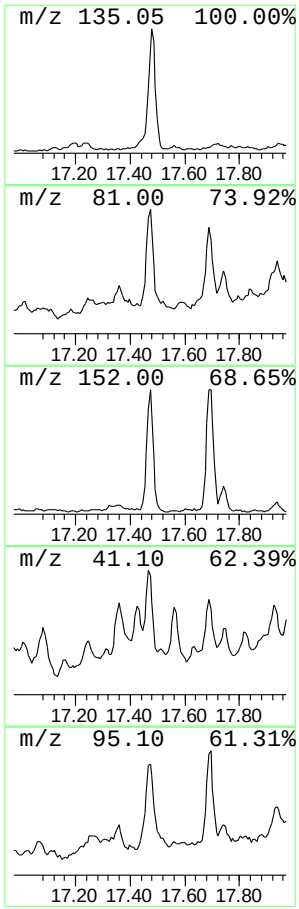
Peak Number 10 Pulegone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.473	57.02 ug/kg	1811620	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pulegone	152	C10H16O	000089-82-7	53
2	Pulegone	152	C10H16O	000089-82-7	49
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	49
4	Pulegone	152	C10H16O	000089-82-7	49
5	Pulegone	152	C10H16O	000089-82-7	46





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Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

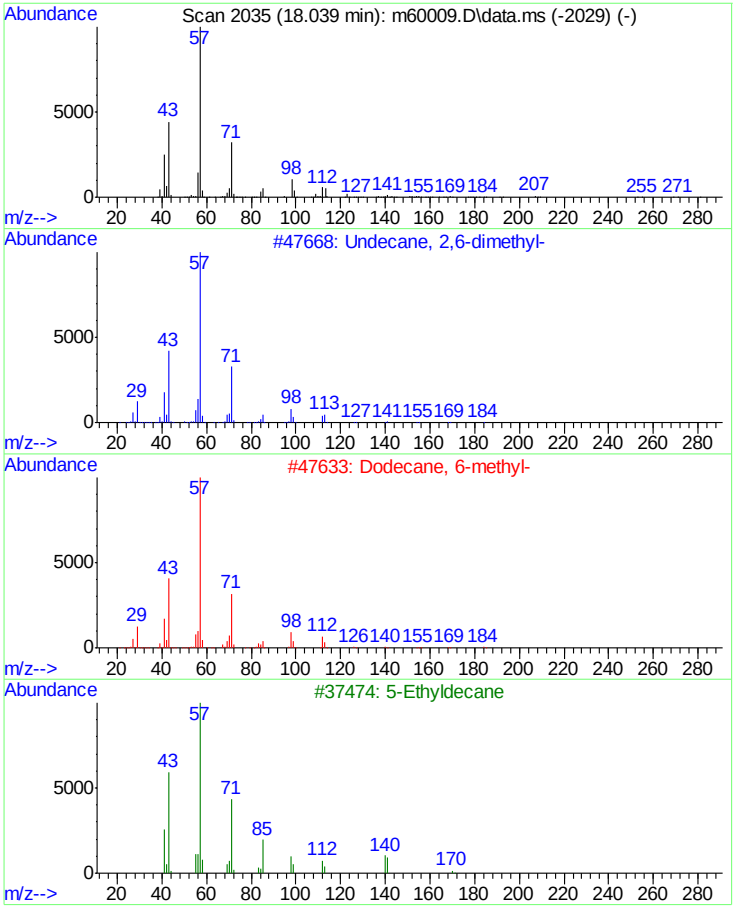
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

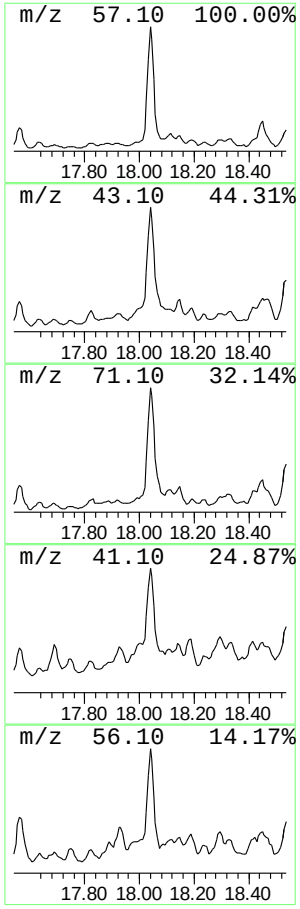
****

Peak Number 11 Undecane, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.039	9.65 ug/kg	306543	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	94
2	Dodecane, 6-methyl-	184	C13H28	006044-71-9	74
3	5-Ethyldecane	170	C12H26	017302-36-2	72
4	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	64
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	64





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ALS Vial : 37 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

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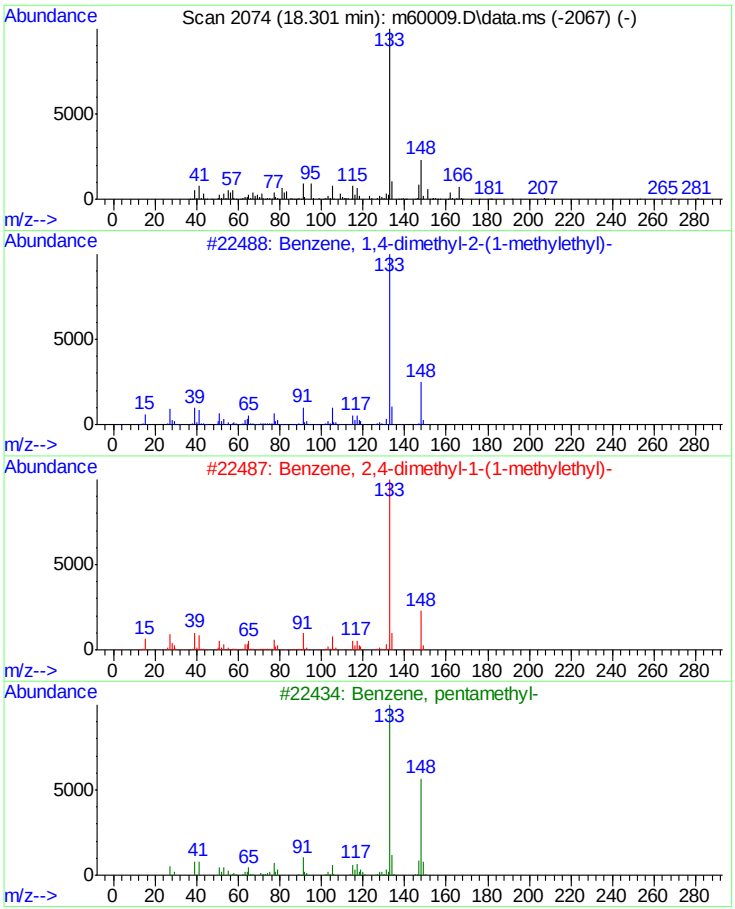
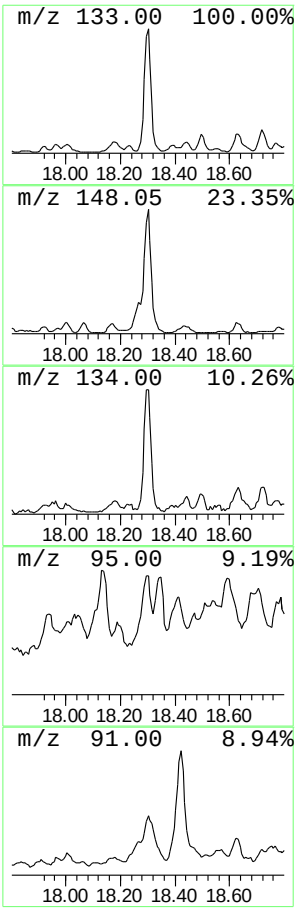
Peak Number 12 Benzene, 1,4-dimethyl-2-(1-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.301	55.23 ug/kg	1754760	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	81
2	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	81
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	81
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	81
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	74





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Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

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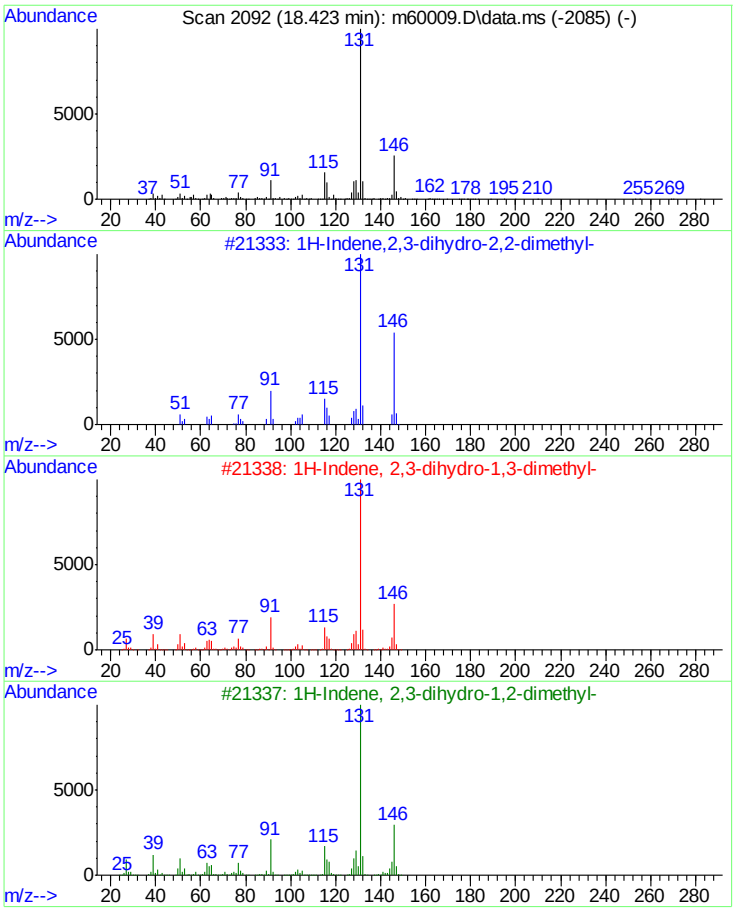
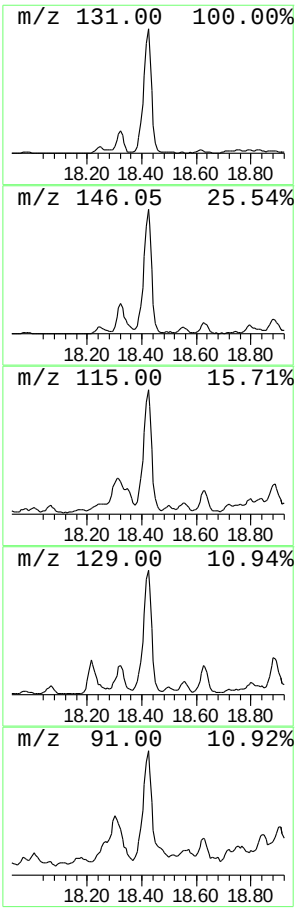
Peak Number 13 1H-Indene,2,3-dihydro-2,2-d... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.423	87.44 ug/kg	2778030	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene,2,3-dihydro-2,2-dimethyl-	146	C11H14	020836-11-7	91
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91





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Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

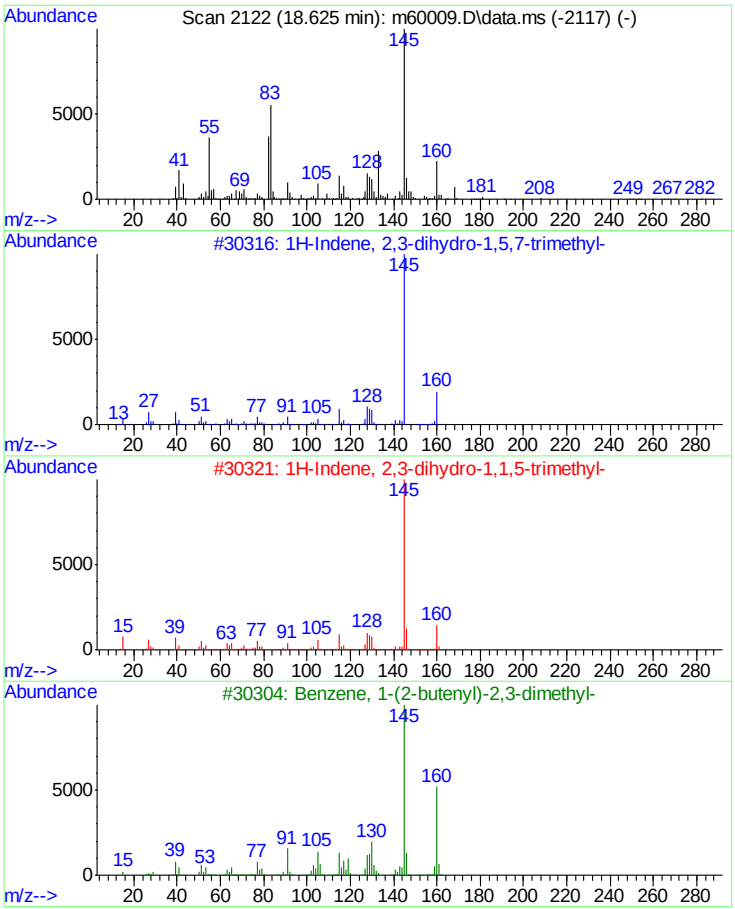
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

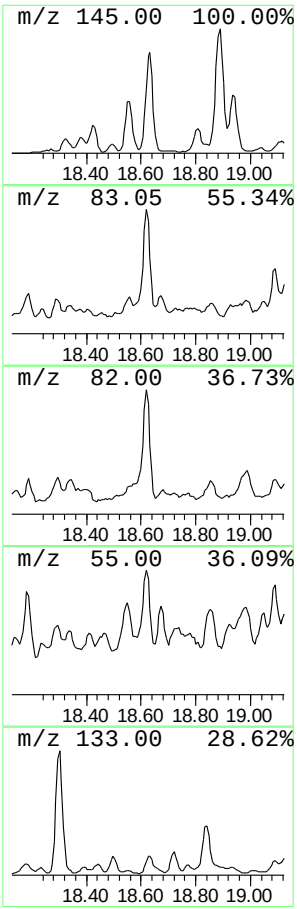
****

Peak Number 15 1H-Indene, 2,3-dihydro-1,5,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.625	38.20 ug/kg	1213700	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	90
2	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	90
3	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	70
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	60
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	60





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Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

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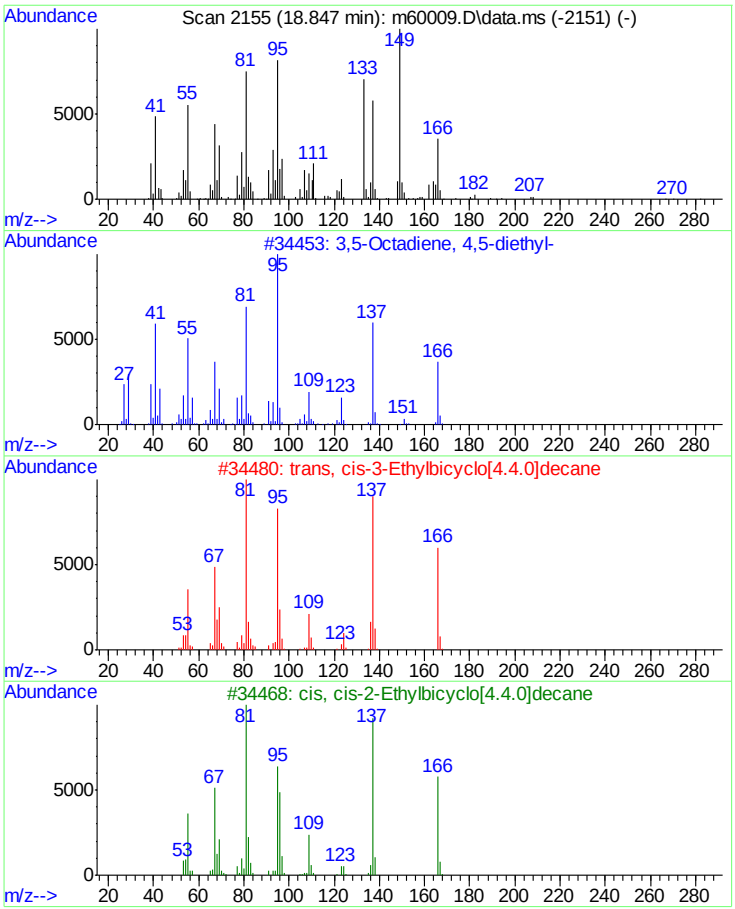
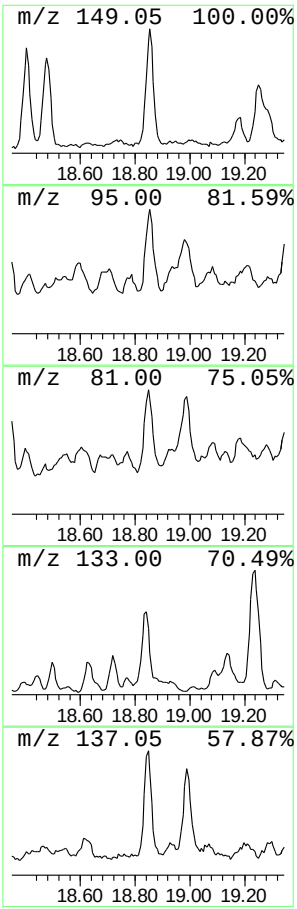
Peak Number 16 3,5-Octadiene, 4,5-diethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.847	66.94 ug/kg	2126590	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Octadiene, 4,5-diethyl-	166	C12H22	067652-84-0	55
2	trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	46
3	cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	45
4	cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	43
5	trans,trans-3-Ethylbicyclo[4.4.0...	166	C12H22	058462-32-1	38





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Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

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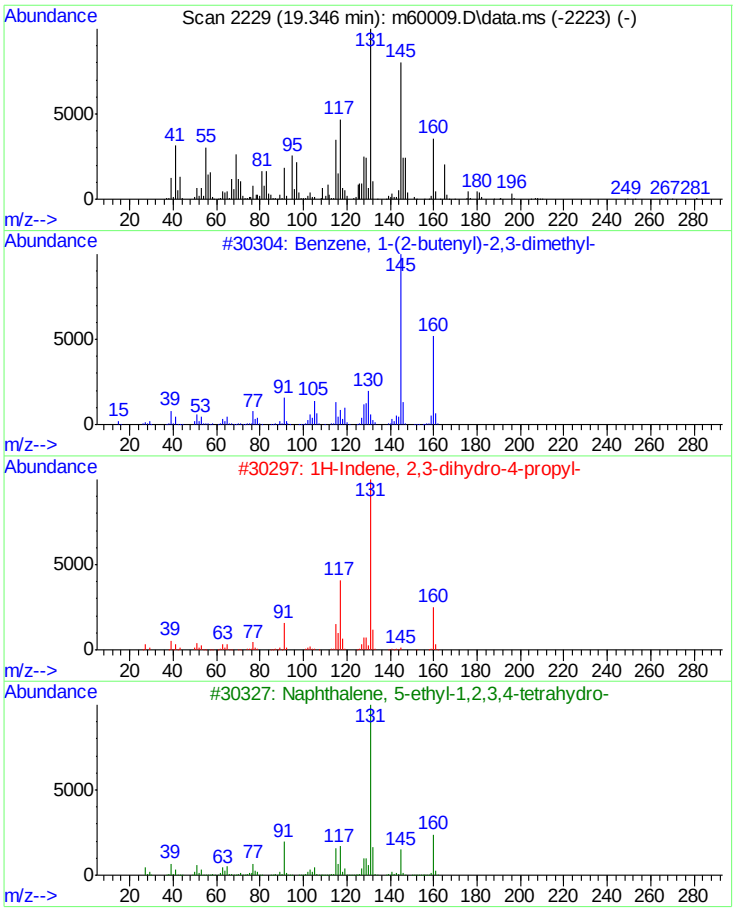
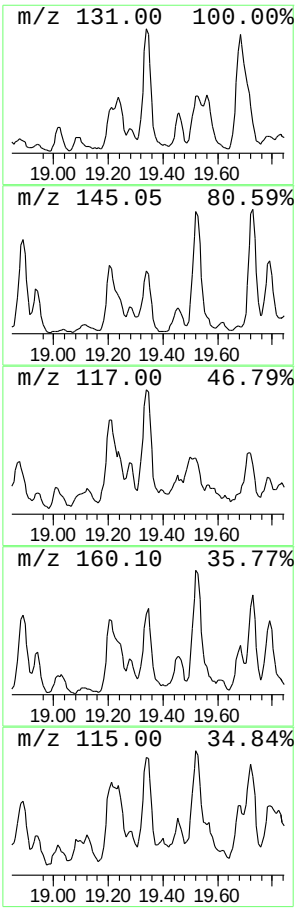
Peak Number 18 Benzene, 1-(2-butenyl)-2,3-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.346	56.71 ug/kg	1801650	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	50
2	1H-Indene, 2,3-dihydro-4-propyl-	160	C12H16	092013-16-6	41
3	Naphthalene, 5-ethyl-1,2,3,4-tet...	160	C12H16	042775-75-7	38
4	Naphthalene, 6-ethyl-1,2,3,4-tet...	160	C12H16	022531-20-0	38
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	160	C12H16	078920-29-3	38





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60009.D
Acq On : 7 Oct 2013 1:55 am
Operator : krystend
Sample : mc24849-7
Misc : MS30132,MSM2080,5.563,,,5,1
ALS Vial : 37 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

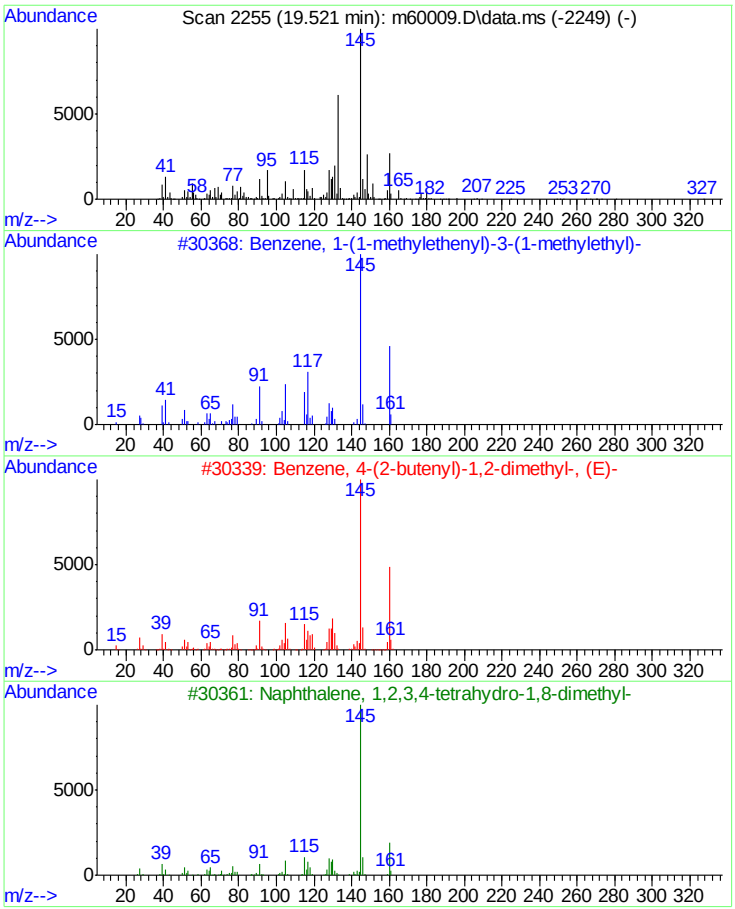
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

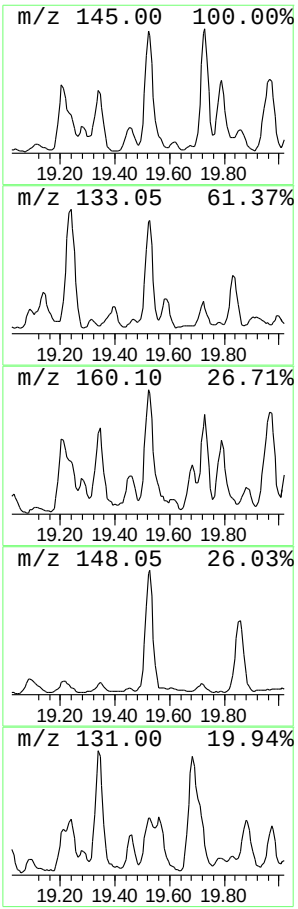
****

Peak Number 19 Benzene, 1-(1-methylethenyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.521	64.70 ug/kg	2055470	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	60
2	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	60
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	60
4	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	60
5	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	55





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60009.D
Acq On : 7 Oct 2013 1:55 am
Operator : krystend
Sample : mc24849-7
Misc : MS30132,MSM2080,5.563,,,5,1
ALS Vial : 37 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Isopropyl Alcohol	6.365	9.1	ug/kg	92442	2	9.349	510766	50.0
1-Ethyl-4-methy...	14.442	5.1	ug/kg	96247	4	13.505	944733	50.0
Cyclotetrasilox...	14.940	8.8	ug/kg	279289	5	16.072	1588460	50.0
Nonane, 2,6-dim...	15.762	10.0	ug/kg	317262	5	16.072	1588460	50.0
Naphthalene, de...	16.759	58.3	ug/kg	1850720	5	16.072	1588460	50.0
Decane, 3,7-dim...	17.082	17.0	ug/kg	541034	5	16.072	1588460	50.0
Heptane, 3-ethy...	17.358	16.0	ug/kg	507911	5	16.072	1588460	50.0
Pulegone	17.473	57.0	ug/kg	1811620	5	16.072	1588460	50.0
Undecane, 2,6-d...	18.039	9.7	ug/kg	306543	5	16.072	1588460	50.0
Benzene, 1,4-di...	18.301	55.2	ug/kg	1754760	5	16.072	1588460	50.0
1H-Indene,2,3-d...	18.423	87.4	ug/kg	2778030	5	16.072	1588460	50.0
1H-Indene, 2,3-...	18.625	38.2	ug/kg	1213700	5	16.072	1588460	50.0
3,5-Octadiene, ...	18.847	66.9	ug/kg	2126590	5	16.072	1588460	50.0
Benzene, 1-(2-b...	19.346	56.7	ug/kg	1801650	5	16.072	1588460	50.0
Benzene, 1-(1-m...	19.521	64.7	ug/kg	2055470	5	16.072	1588460	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60008.D
Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 07 09:32:54 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

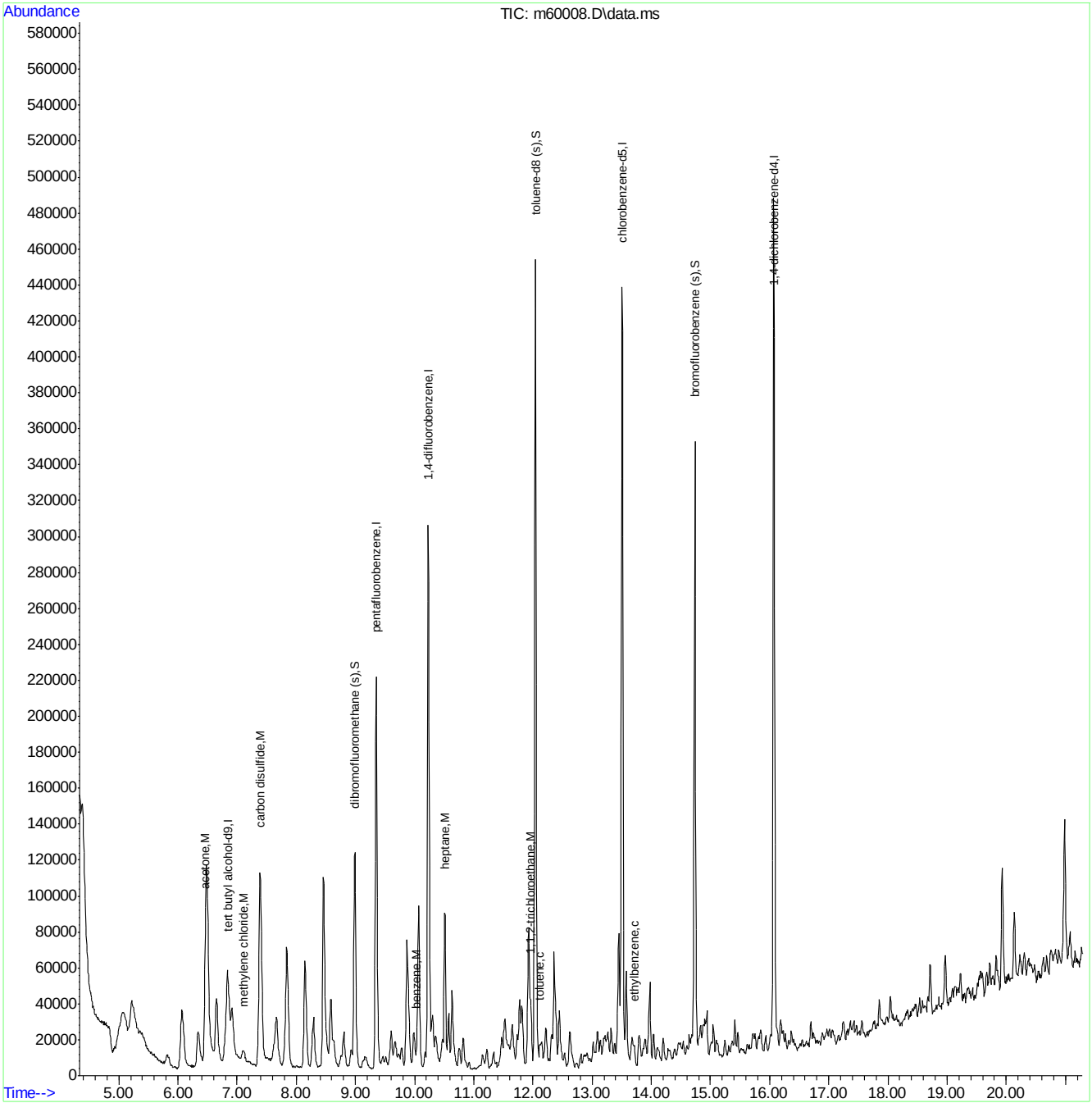
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	135407	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	175980	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	291826	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	126996	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	137129	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	90393	43.63	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.26%			
59) toluene-d8 (s)	12.043	98	319540	41.56	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.12%			
81) bromofluorobenzene (s)	14.738	95	118867	47.48	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.96%			
Target Compounds						Qvalue
16) acetone	6.459	58	47924	241.59	ug/kg#	85
18) methylene chloride	7.105	84	3780	1.77	ug/kg	86
24) carbon disulfide	7.388	76	311235	50.70	ug/kg	99
46) benzene	10.029	78	4974	0.55	ug/kg	93
49) heptane	10.507	43	46425	11.24	ug/kg	96
61) toluene	12.117	92	3935	0.69	ug/kg	92
63) 1,1,2-trichloroethane	11.956	83	2843	1.73	ug/kg#	1
73) ethylbenzene	13.714	91	3047	0.26	ug/kg	98

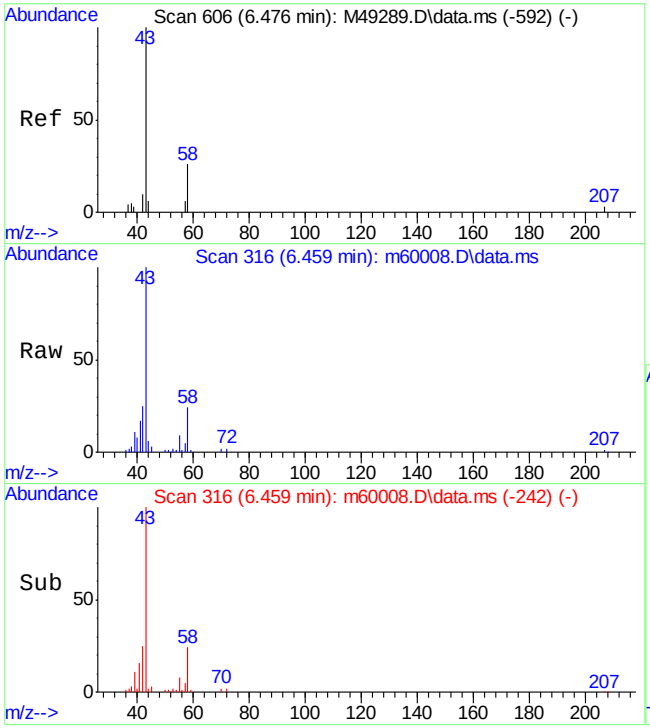
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60008.D
Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 07 09:32:54 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

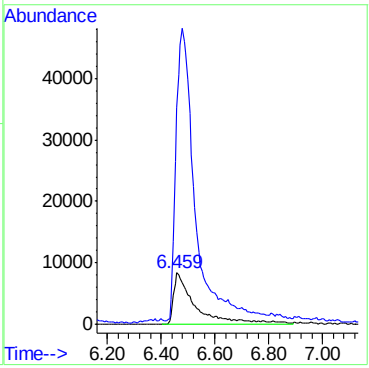


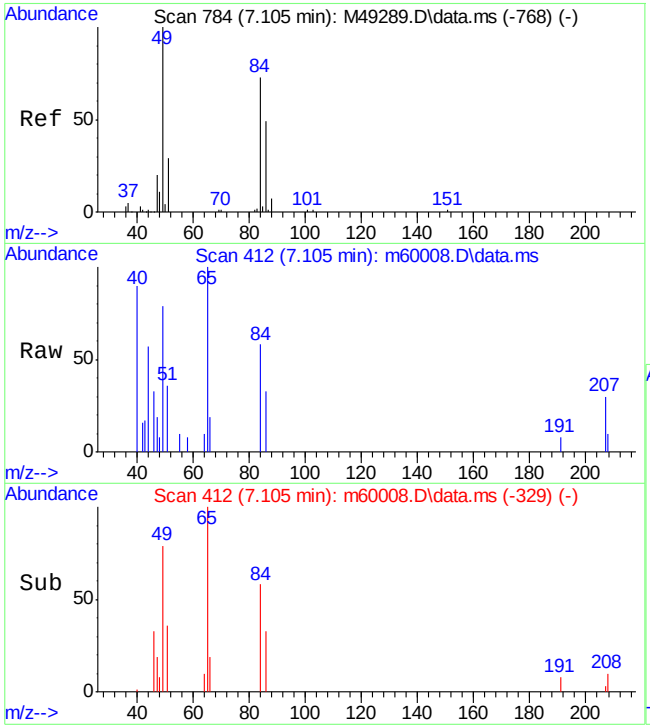


#16
acetone
Concen: 241.59 ug/kg
RT: 6.459 min Scan# 316
Delta R.T. -0.000 min
Lab File: m60008.D
Acq: 7 Oct 2013 1:25 am

Tgt Ion: 58 Resp: 47924

Ion	Ratio	Lower	Upper
58	100		
43	414.9	350.4	410.4#

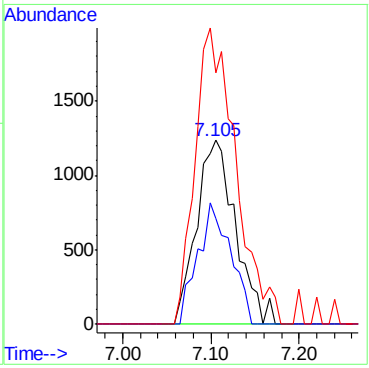


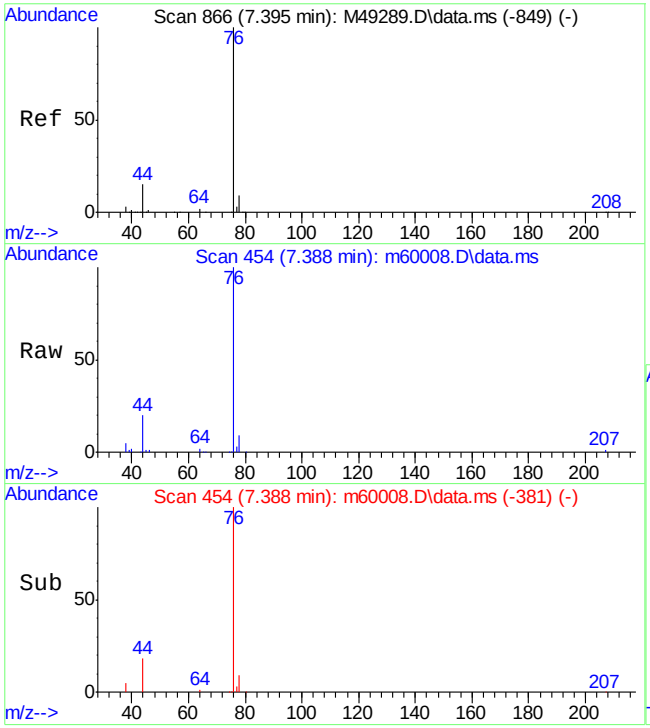


#18
methylene chloride
Concen: 1.77 ug/kg
RT: 7.105 min Scan# 412
Delta R.T. -0.001 min
Lab File: m60008.D
Acq: 7 Oct 2013 1:25 am

Tgt Ion: 84 Resp: 3780

Ion	Ratio	Lower	Upper
84	100		
86	57.6	37.2	97.2
49	136.4	125.7	185.7

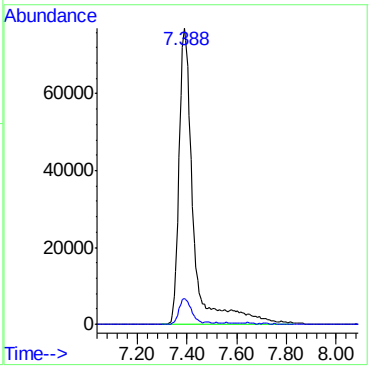


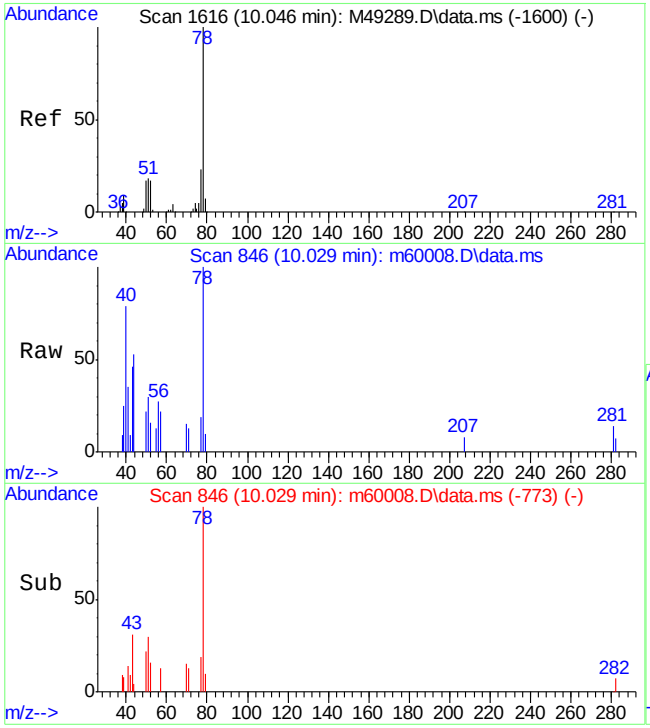


#24
carbon disulfide
Concen: 50.70 ug/kg
RT: 7.388 min Scan# 454
Delta R.T. -0.007 min
Lab File: m60008.D
Acq: 7 Oct 2013 1:25 am

Tgt Ion: 76 Resp: 311235

Ion	Ratio	Lower	Upper
76	100		
78	8.9	0.0	39.1

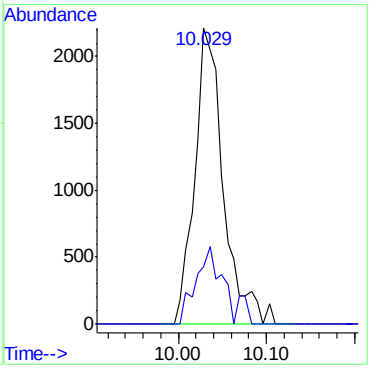


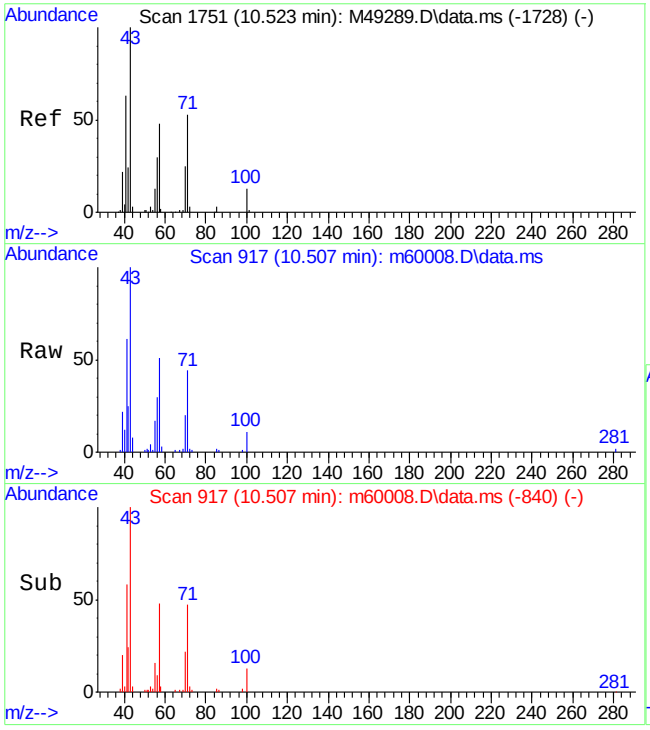


#46
benzene
Concen: 0.55 ug/kg
RT: 10.029 min Scan# 846
Delta R.T. 0.000 min
Lab File: m60008.D
Acq: 7 Oct 2013 1:25 am

Tgt Ion: 78 Resp: 4974

Ion	Ratio	Lower	Upper
78	100		
77	19.2	0.0	52.6

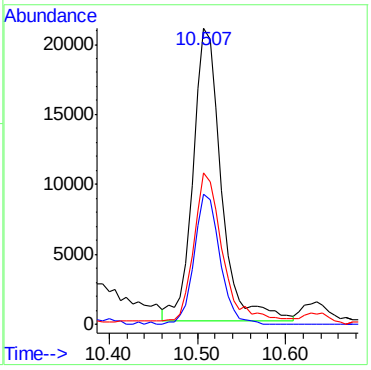


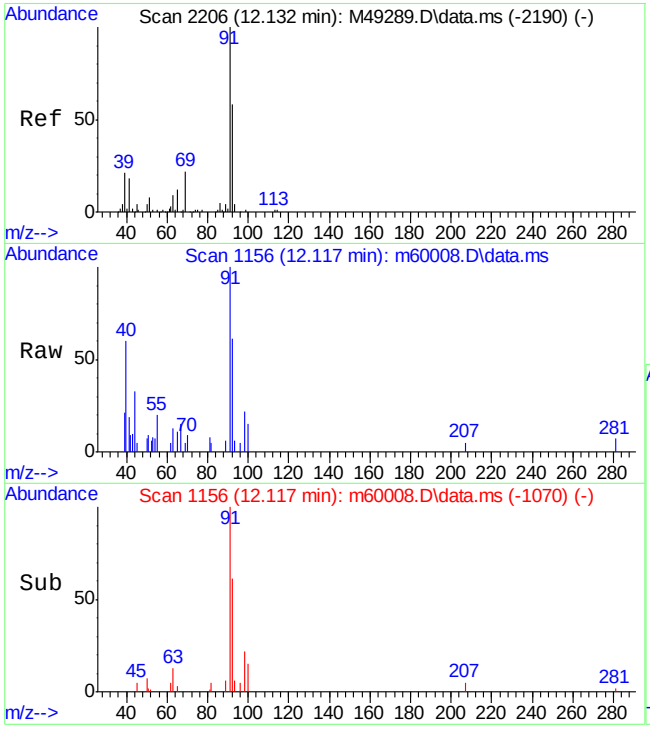


#49
heptane
Concen: 11.24 ug/kg
RT: 10.507 min Scan# 917
Delta R.T. 0.000 min
Lab File: m60008.D
Acq: 7 Oct 2013 1:25 am

Tgt Ion: 43 Resp: 46425

Ion	Ratio	Lower	Upper
43	100		
71	45.2	18.2	78.2
57	51.4	18.7	78.7

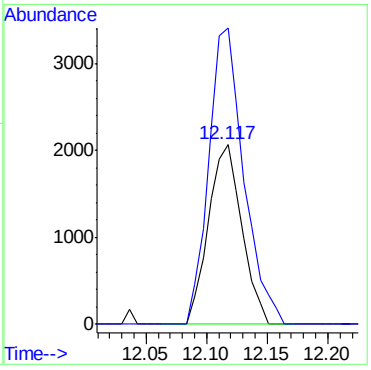


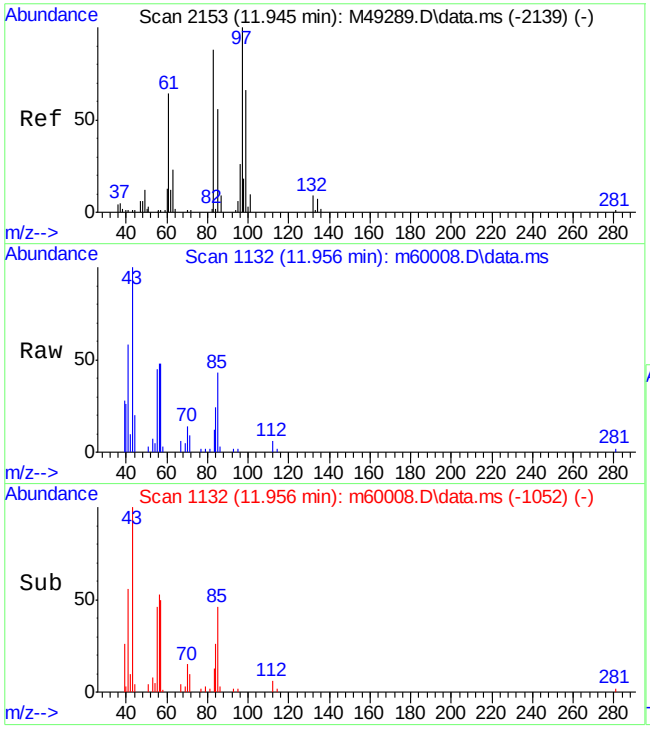


#61
toluene
Concen: 0.69 ug/kg
RT: 12.117 min Scan# 1156
Delta R.T. 0.000 min
Lab File: m60008.D
Acq: 7 Oct 2013 1:25 am

Tgt Ion: 92 Resp: 3935

Ion	Ratio	Lower	Upper
92	100		
91	164.7	145.9	205.9

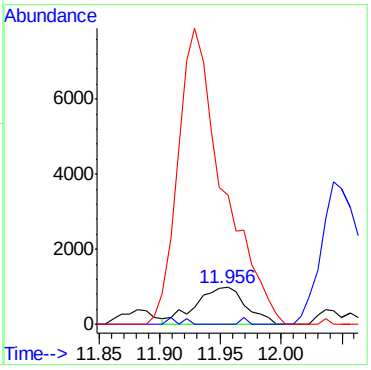


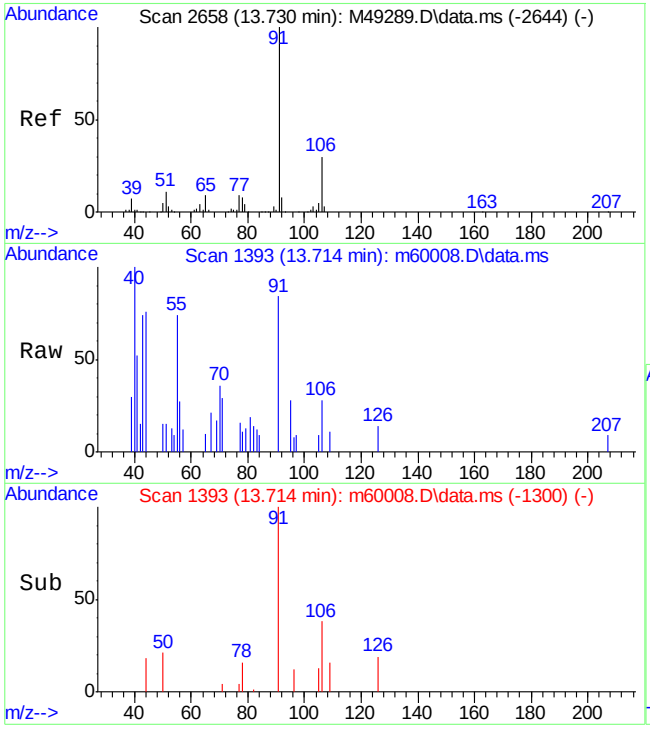


#63
1,1,2-trichloroethane
Concen: 1.73 ug/kg
RT: 11.956 min Scan# 1132
Delta R.T. 0.027 min
Lab File: m60008.D
Acq: 7 Oct 2013 1:25 am

Tgt Ion: 83 Resp: 2843

Ion	Ratio	Lower	Upper
83	100		
97	0.0	82.9	142.9#
85	352.2	32.7	92.7#

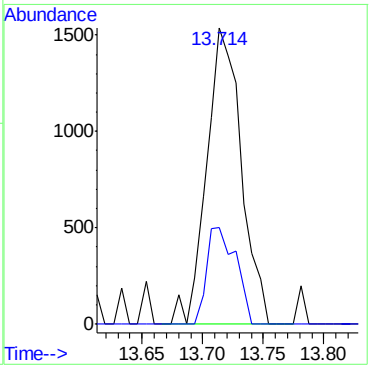




#73
ethylbenzene
Concen: 0.26 ug/kg
RT: 13.714 min Scan# 1393
Delta R.T. -0.000 min
Lab File: m60008.D
Acq: 7 Oct 2013 1:25 am

Tgt Ion: 91 Resp: 3047

Ion	Ratio	Lower	Upper
91	100		
106	32.7	1.7	61.7



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60008.D
Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130925S.M
Title : SW-846 Method 8260

Signal : TIC: m60008.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.078	93	111	125	rBV6	17478	142892	8.32%	1.087%
2	5.826	215	222	245	rVB5	7547	32900	1.92%	0.250%
3	6.068	245	258	287	rBV2	32303	134853	7.85%	1.026%
4	6.338	287	298	311	rBV3	19687	81276	4.73%	0.618%
5	6.479	311	319	337	rVV3	109693	455331	26.52%	3.463%
6	6.647	337	344	359	rVB2	34875	114550	6.67%	0.871%
7	6.836	359	372	405	rBV3	50641	314346	18.31%	2.391%
8	7.388	443	454	483	rBV	107899	392837	22.88%	2.988%
9	7.665	483	495	509	rVV4	27810	123474	7.19%	0.939%
10	7.840	509	521	541	rVB3	66910	228126	13.29%	1.735%
11	8.150	557	567	579	rBV	59512	170624	9.94%	1.298%
12	8.291	579	588	603	rBV3	27882	82598	4.81%	0.628%
13	8.459	603	613	625	rBV	105432	297304	17.31%	2.261%
14	8.581	625	631	651	rVB2	37724	139023	8.10%	1.057%
15	8.803	651	664	675	rBV3	19600	65066	3.79%	0.495%
16	8.992	675	692	707	rVB	119975	314817	18.33%	2.395%
17	9.160	707	717	735	rVB7	6932	33508	1.95%	0.255%
18	9.349	735	745	757	rBV	218001	474665	27.64%	3.610%
19	9.463	757	762	775	rVB7	4776	18029	1.05%	0.137%
20	9.605	775	783	789	rBV4	19019	52440	3.05%	0.399%
21	9.787	805	810	815	rVB4	9980	23054	1.34%	0.175%
22	9.874	815	823	833	rBV4	70175	211827	12.34%	1.611%
23	9.989	833	840	845	rVV2	18637	48570	2.83%	0.369%
24	10.069	845	852	861	rVB	89541	210789	12.28%	1.603%
25	10.231	861	876	905	rBV	301645	765273	44.57%	5.821%
26	10.507	905	917	923	rVV	84781	209732	12.21%	1.595%
27	10.575	923	927	931	rVV	29036	59440	3.46%	0.452%
28	10.635	931	936	949	rVB3	42007	106437	6.20%	0.810%
29	10.750	949	953	959	rBV3	9667	21984	1.28%	0.167%
30	10.817	959	963	975	rVB3	16197	39107	2.28%	0.297%
31	10.925	975	979	985	rVB5	4096	7221	0.42%	0.055%
32	11.013	985	992	997	rVB5	1061	2771	0.16%	0.021%
33	11.147	997	1012	1017	rBV7	8454	27464	1.60%	0.209%
34	11.221	1017	1023	1029	rVB4	10362	23310	1.36%	0.177%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60008.D
Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130925S.M
Title : SW-846 Method 8260

35	11.336	1029	1040	1049	rBV5	9108	27723	1.61%	0.211%
36	11.525	1049	1068	1081	rBV8	26887	160304	9.34%	1.219%
37	11.653	1081	1087	1095	rVV6	23125	72825	4.24%	0.554%
38	11.774	1095	1105	1119	rVV3	36880	179958	10.48%	1.369%
39	11.929	1119	1128	1139	rVV	76544	230352	13.42%	1.752%
40	12.043	1139	1145	1153	rVV	448476	855642	49.83%	6.508%
41	12.144	1153	1160	1165	rVV6	13064	47879	2.79%	0.364%
42	12.218	1165	1171	1181	rVV5	21079	59234	3.45%	0.451%
43	12.360	1181	1192	1201	rVV3	63370	204908	11.93%	1.559%
44	12.447	1201	1205	1223	rVB3	31131	91637	5.34%	0.697%
45	12.623	1223	1231	1245	rBV6	19156	58987	3.44%	0.449%
46	12.811	1253	1259	1263	rBV4	7890	16889	0.98%	0.128%
47	12.912	1263	1274	1285	rVV4	7354	36710	2.14%	0.279%
48	13.013	1285	1289	1295	rVV3	11296	27046	1.58%	0.206%
49	13.087	1295	1300	1313	rVV9	15323	58394	3.40%	0.444%
50	13.262	1313	1326	1331	rVV9	13334	68408	3.98%	0.520%
51	13.323	1331	1335	1341	rVB2	14552	27849	1.62%	0.212%
52	13.505	1347	1362	1369	rBV	426461	932193	54.29%	7.091%
53	13.579	1369	1373	1381	rVB	48066	88403	5.15%	0.672%
54	13.673	1381	1387	1399	rVB7	15443	56932	3.32%	0.433%
55	13.795	1399	1405	1413	rBV5	16162	48211	2.81%	0.367%
56	13.896	1413	1420	1425	rBV7	8783	23262	1.35%	0.177%
57	13.977	1425	1432	1437	rVB3	42455	91531	5.33%	0.696%
58	14.044	1437	1442	1447	rBV3	13268	20886	1.22%	0.159%
59	14.105	1447	1451	1461	rVB9	7294	22058	1.28%	0.168%
60	14.199	1461	1465	1473	rBV5	12804	24123	1.40%	0.183%
61	14.286	1473	1478	1489	rBV8	6621	21938	1.28%	0.167%
62	14.394	1489	1494	1499	rBV7	4836	9922	0.58%	0.075%
63	14.542	1499	1516	1523	rBV7	7453	39823	2.32%	0.303%
64	14.738	1535	1545	1553	rVB	335148	616154	35.88%	4.687%
65	15.048	1581	1591	1613	rVB3	18289	82890	4.83%	0.630%
66	15.250	1615	1621	1641	rBV3	8900	43867	2.55%	0.334%
67	15.411	1641	1645	1673	rVB3	18372	59373	3.46%	0.452%
68	15.748	1685	1695	1701	rBV9	8328	29656	1.73%	0.226%
69	16.072	1729	1743	1755	rBV	474080	895063	52.13%	6.808%
70	16.186	1757	1760	1831	rVB9	14748	76115	4.43%	0.579%
71	18.712	1831	2135	2169	rBV6	44833	1717038	100.00%	13.060%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60008.D
Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130925S.M
Title : SW-846 Method 8260

72	19.830	2169	2301	2311	rBV8	25027	434722	25.32%	3.307%
73	19.932	2311	2316	2341	rBV	65822	162294	9.45%	1.234%

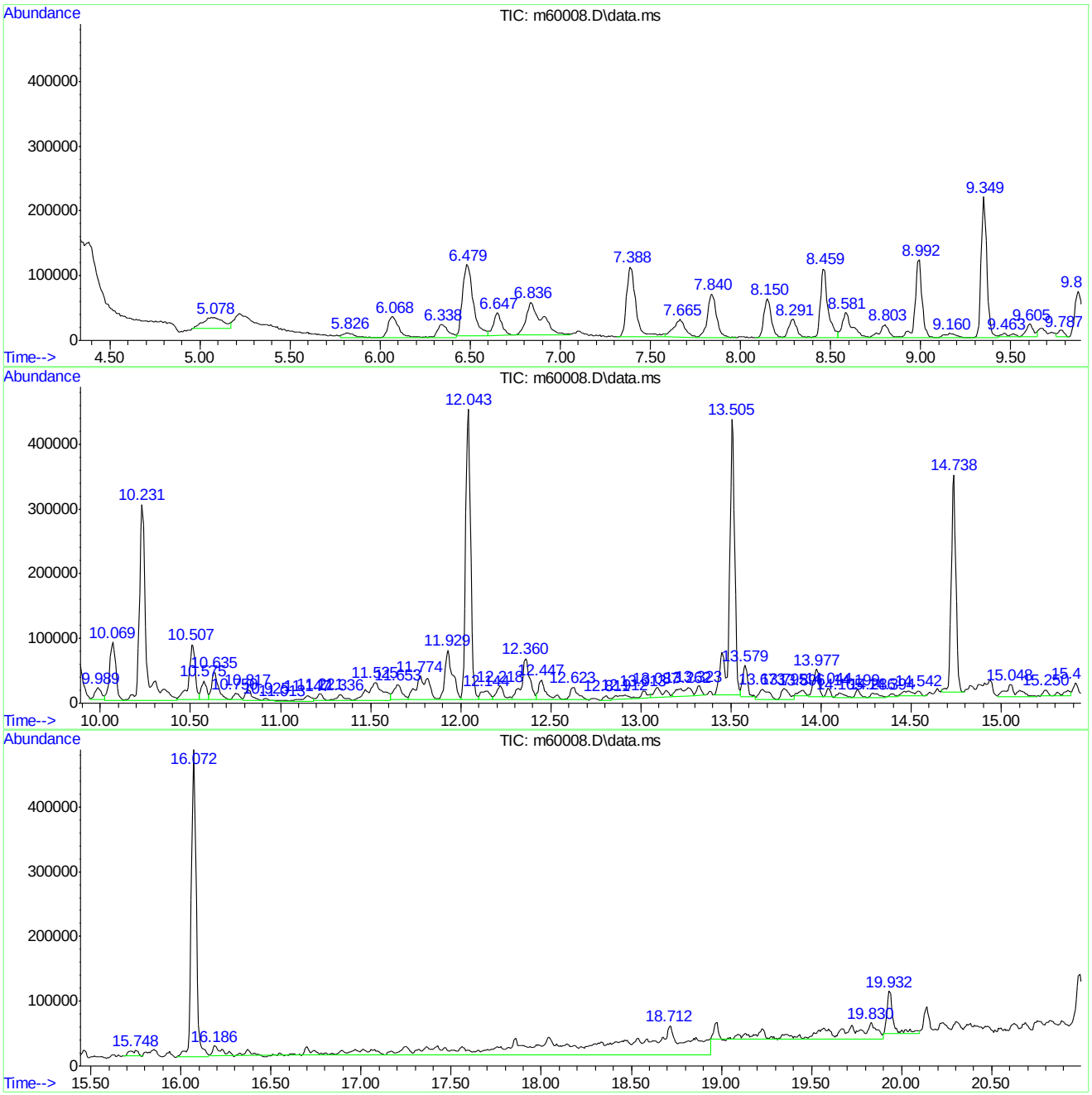
Sum of corrected areas: 13146837

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60008.D
Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

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Acq On : 7 Oct 2013 1:25 am
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Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

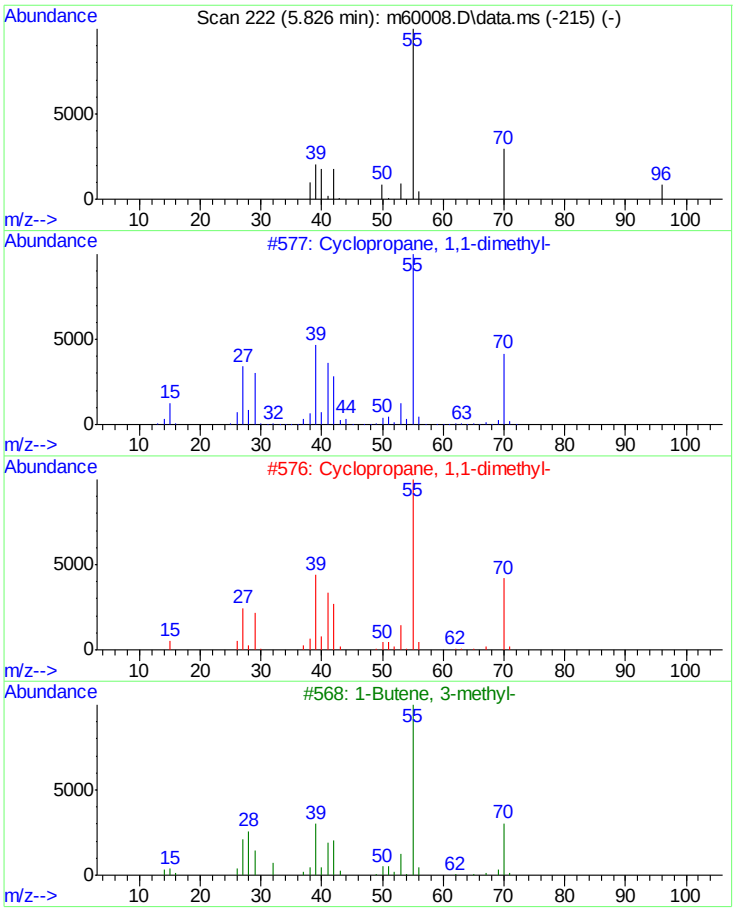
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

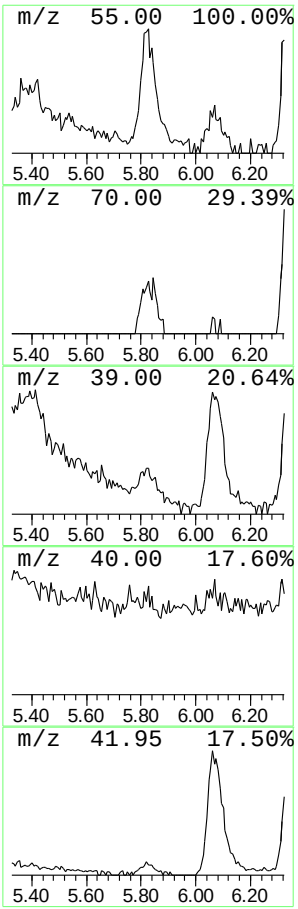
****

Peak Number 2 Cyclopropane, 1,1-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.826	3.47 ug/kg	32900	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	72
2	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	64
3	1-Butene, 3-methyl-	70	C5H10	000563-45-1	64
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	64
5	2-Pentene, (E)-	70	C5H10	000646-04-8	59





Library Search Compound Report

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Data File : m60008.D
Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

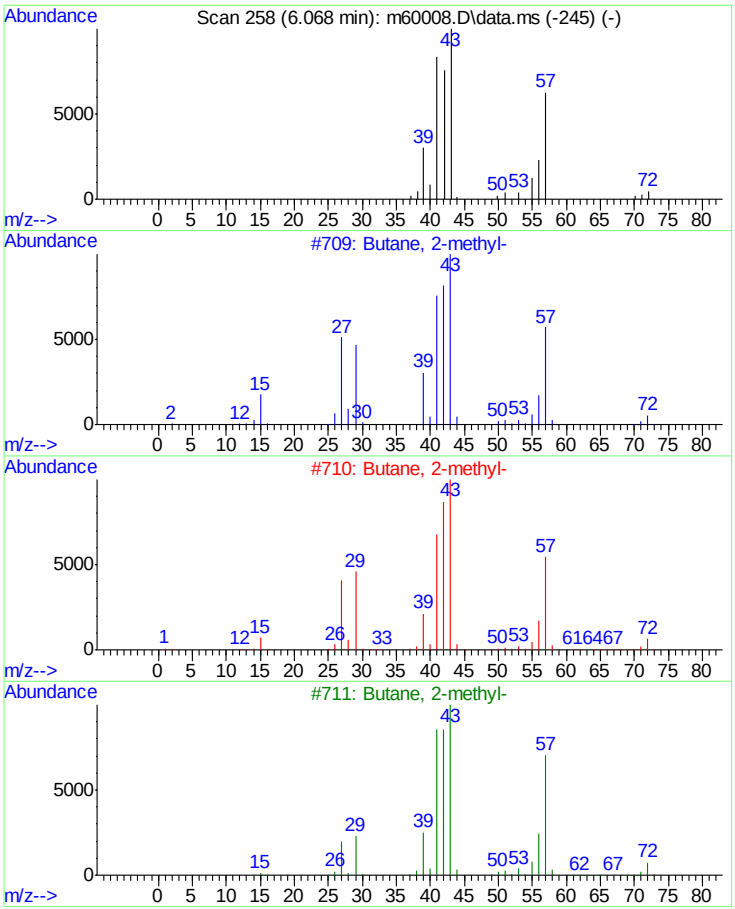
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

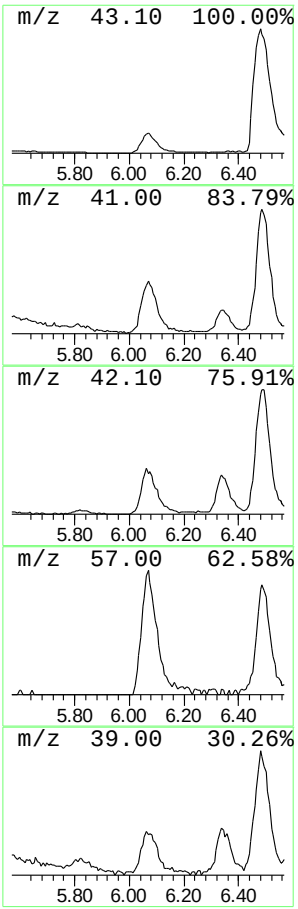
****

Peak Number 3 Butane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.068	14.21 ug/kg	134853	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	78
2	Butane, 2-methyl-	72	C5H12	000078-78-4	78
3	Butane, 2-methyl-	72	C5H12	000078-78-4	64
4	3-Buten-1-ol	72	C4H8O	000627-27-0	38
5	Pentane	72	C5H12	000109-66-0	36





Library Search Compound Report

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Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

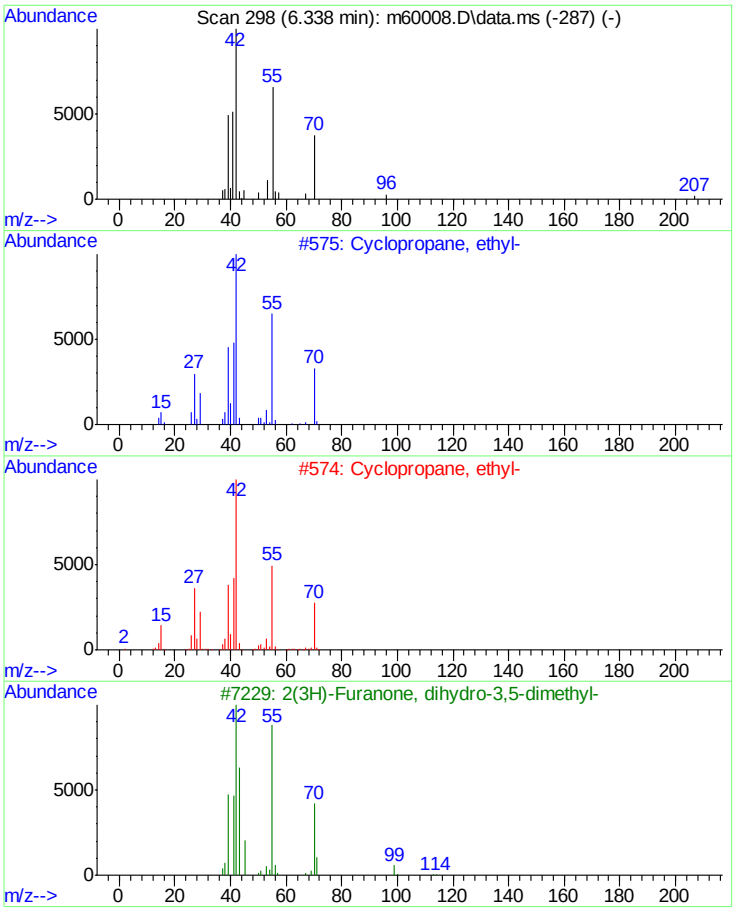
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

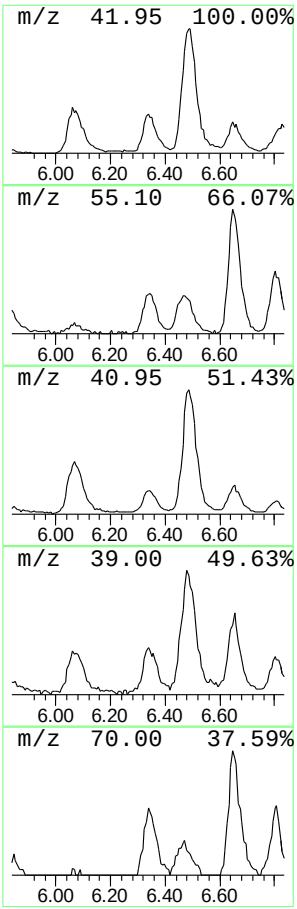
****

Peak Number 4 Cyclopropane, ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.338	8.56 ug/kg	81276	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	86
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	86
3	2(3H)-Furanone, dihydro-3,5-dime...	114	C6H10O2	005145-01-7	64
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	58
5	1-Pentene	70	C5H10	000109-67-1	53





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60008.D
Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

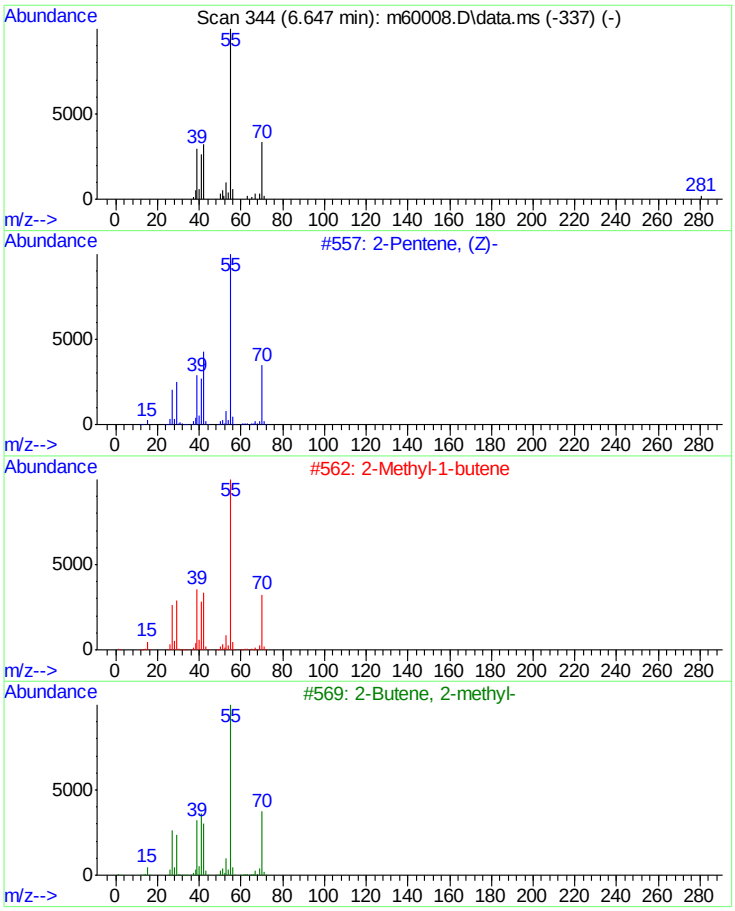
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

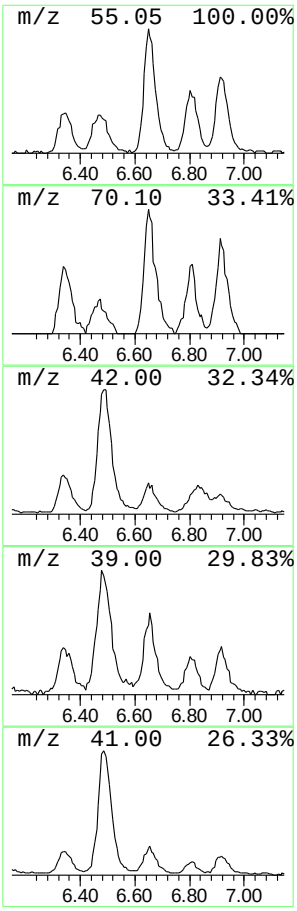
****

Peak Number 5 2-Pentene, (Z)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.647	12.07 ug/kg	114550	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
2	2-Methyl-1-butene	70	C5H10	000563-46-2	91
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	90
4	2-Pentene, (Z)-	70	C5H10	000627-20-3	87
5	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60008.D
Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

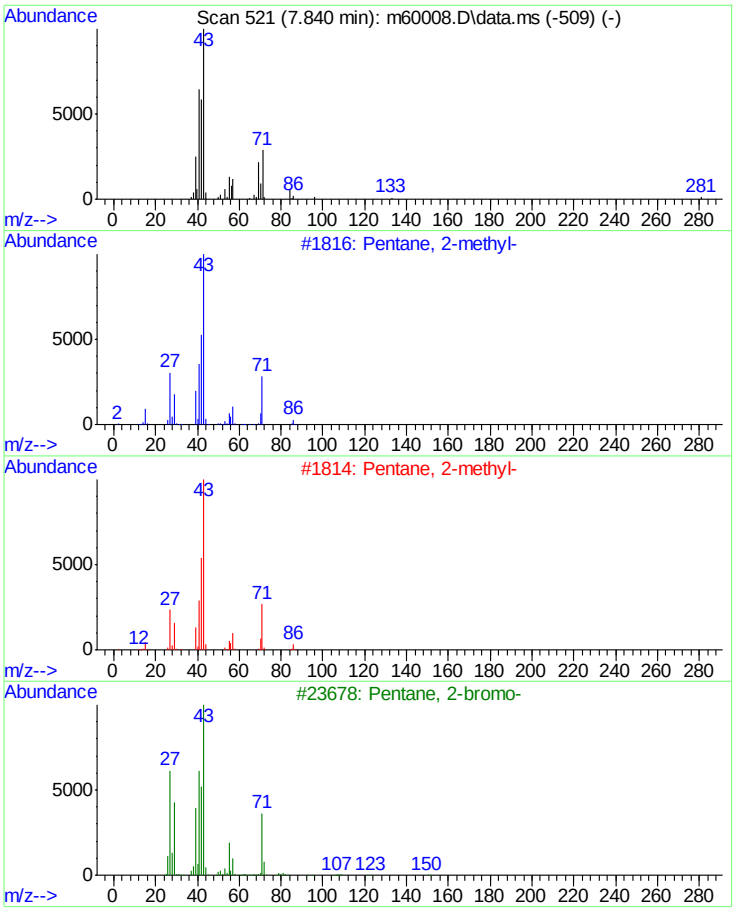
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

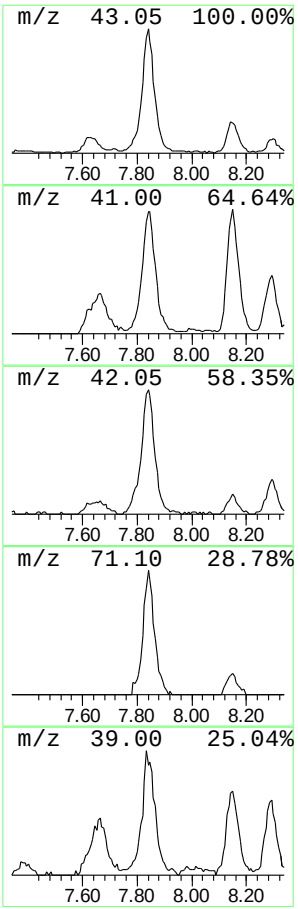
****

Peak Number 7 Pentane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.840	24.03 ug/kg	228126	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
3	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	59
4	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	38
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	35





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60008.D
Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

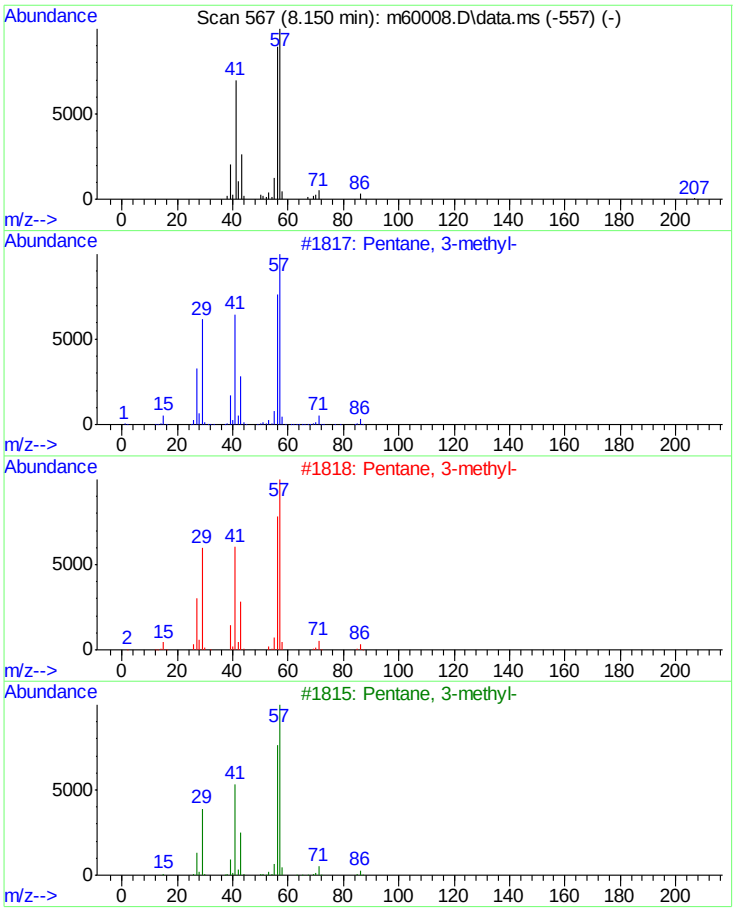
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

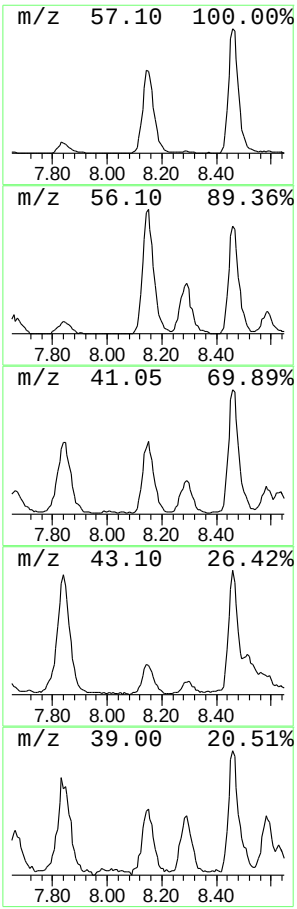
****

Peak Number 8 Pentane, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.150	17.97 ug/kg	170624	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4	1-Butanol, 2-methyl-	88	C5H12O	000137-32-6	64
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60008.D
Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

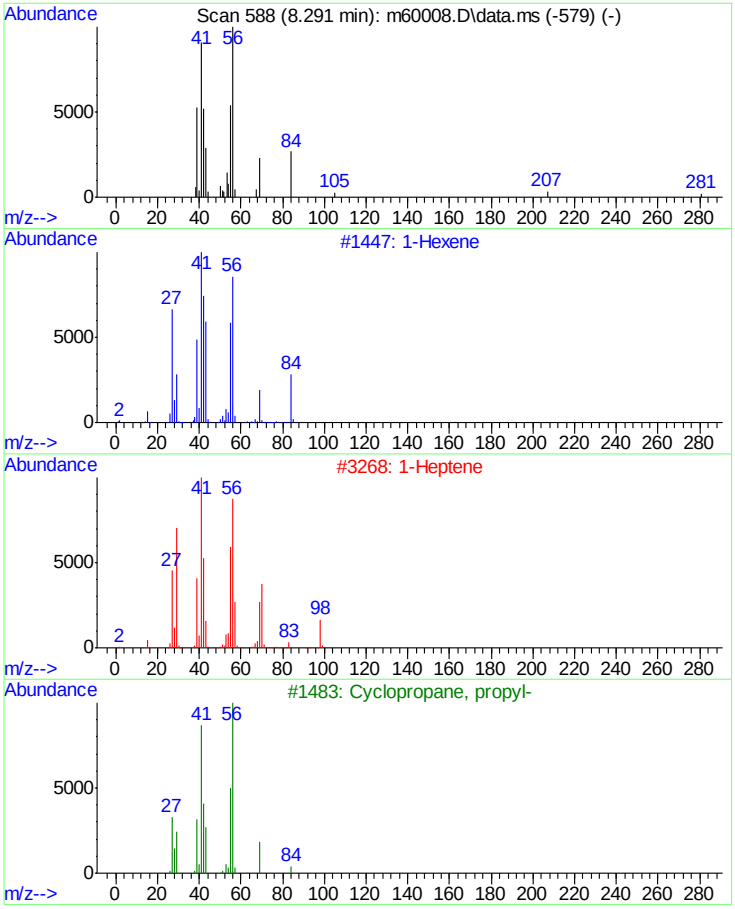
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

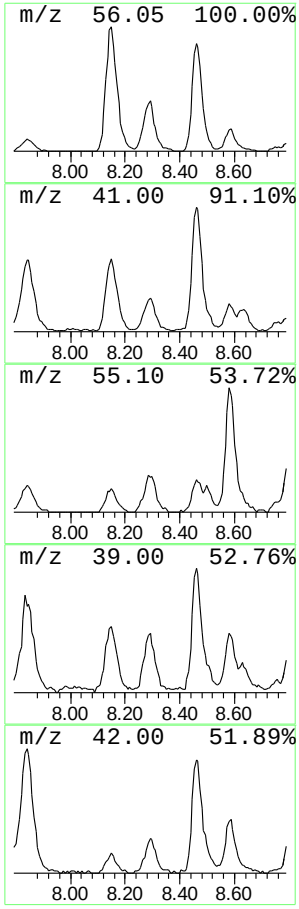
****

Peak Number 9 1-Hexene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.291	8.70 ug/kg	82598	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene	84	C6H12	000592-41-6	81
2	1-Heptene	98	C7H14	000592-76-7	53
3	Cyclopropane, propyl-	84	C6H12	002415-72-7	53
4	Cyclohexane	84	C6H12	000110-82-7	50
5	1-Hexene	84	C6H12	000592-41-6	47





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60008.D
Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

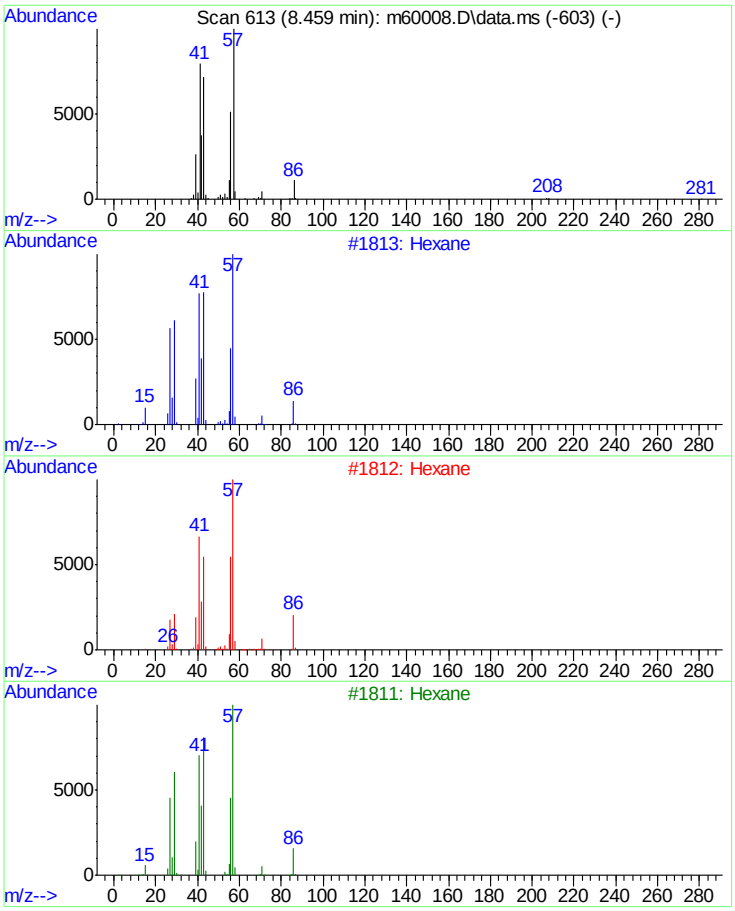
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

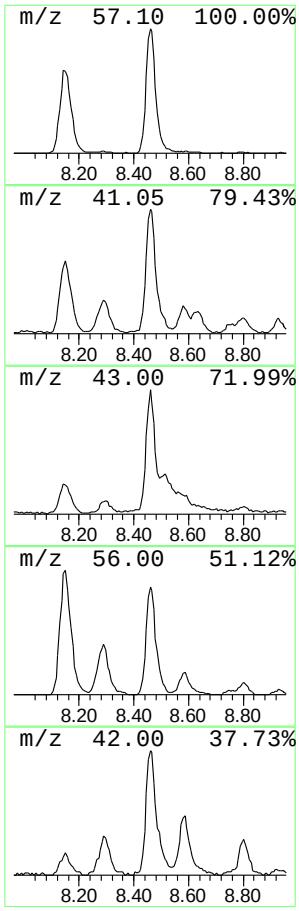
****

Peak Number 10 Hexane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.459	31.32 ug/kg	297304	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	91
2	Hexane	86	C6H14	000110-54-3	72
3	Hexane	86	C6H14	000110-54-3	59
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	38





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
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Acq On : 7 Oct 2013 1:25 am
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Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

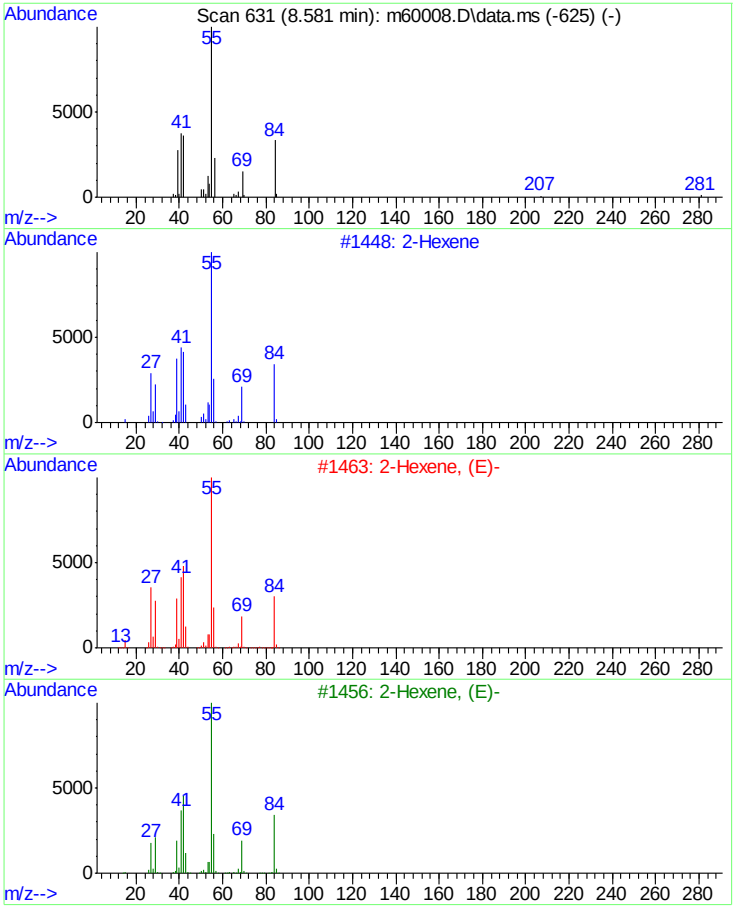
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

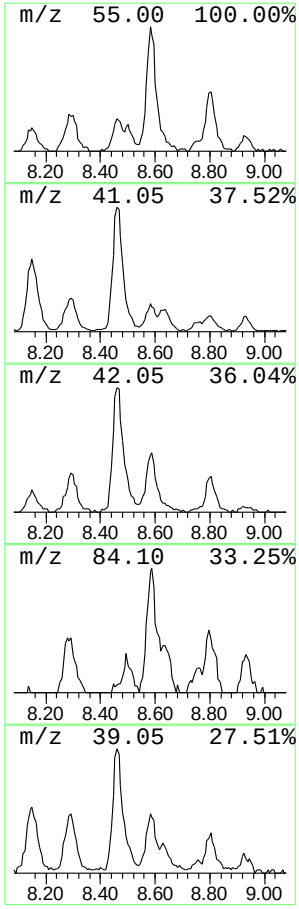
****

Peak Number 11 2-Hexene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.581	14.64 ug/kg	139023	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene	84	C6H12	000592-43-8	91
2	2-Hexene, (E)-	84	C6H12	004050-45-7	91
3	2-Hexene, (E)-	84	C6H12	004050-45-7	87
4	2-Hexene, (Z)-	84	C6H12	007688-21-3	87
5	2-Hexene	84	C6H12	000592-43-8	87





Library Search Compound Report

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Acq On : 7 Oct 2013 1:25 am
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Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

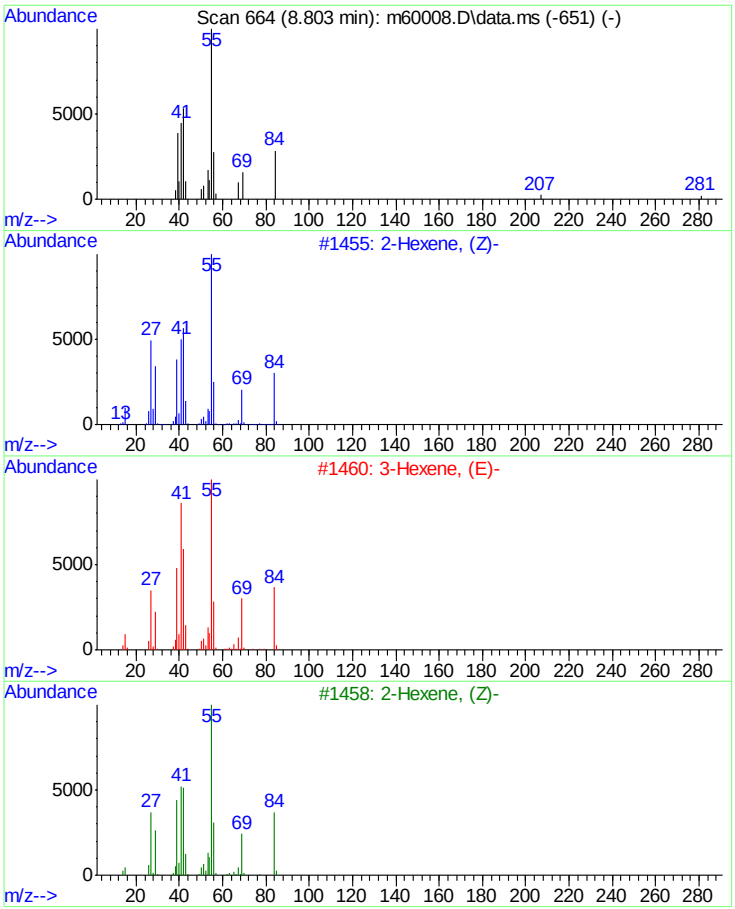
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

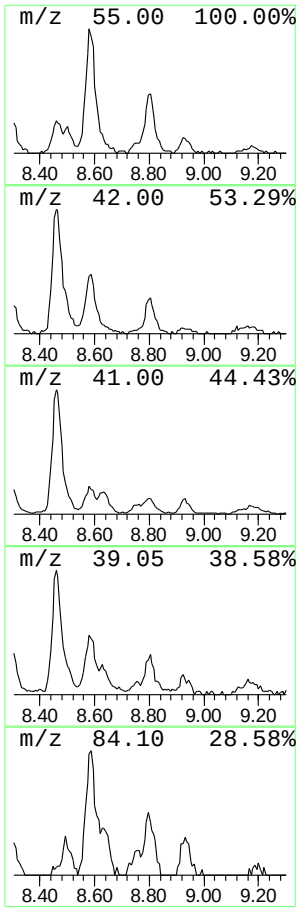
****

Peak Number 12 2-Hexene, (Z)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.803	6.85 ug/kg	65066	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, (Z)-	84	C6H12	007688-21-3	90
2	3-Hexene, (E)-	84	C6H12	013269-52-8	87
3	2-Hexene, (Z)-	84	C6H12	007688-21-3	81
4	3-Hexene, (Z)-	84	C6H12	007642-09-3	64
5	2-Hexene, (E)-	84	C6H12	004050-45-7	58





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60008.D
Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

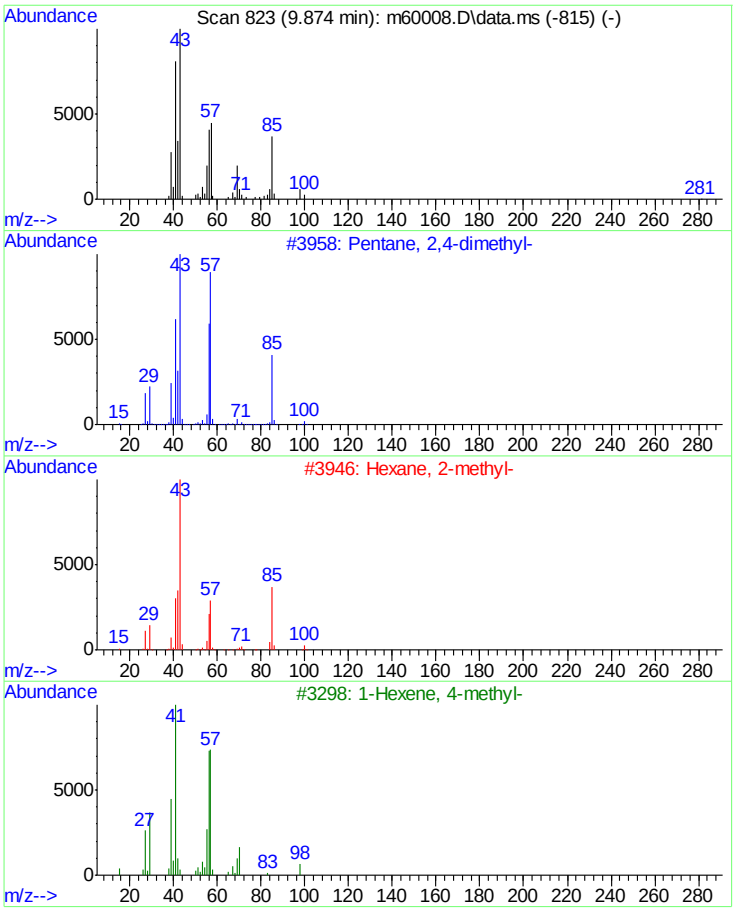
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

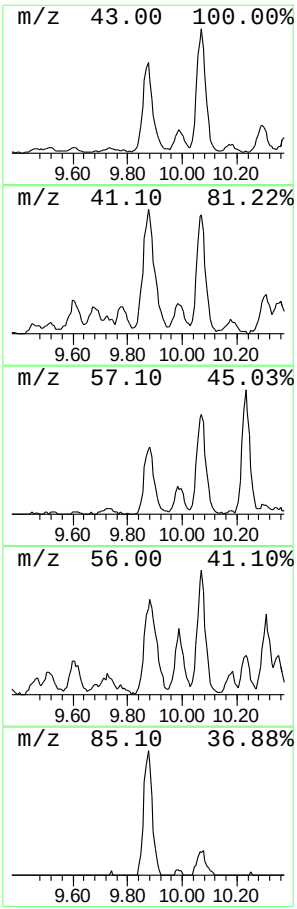
****

Peak Number 13 Pentane, 2,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.874	13.84 ug/kg	211827	1,4-difluorobenzene	10.231

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	72
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	52
3	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	41
4	Hexane, 2-methyl-	100	C7H16	000591-76-4	40
5	Hexane, 2-methyl-	100	C7H16	000591-76-4	40





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60008.D
Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

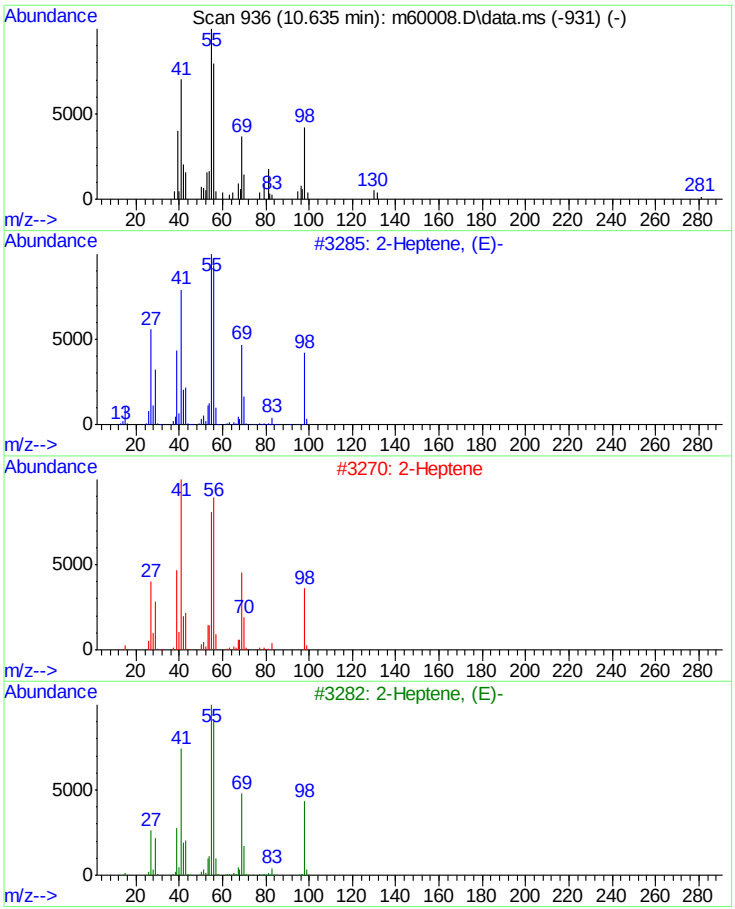
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

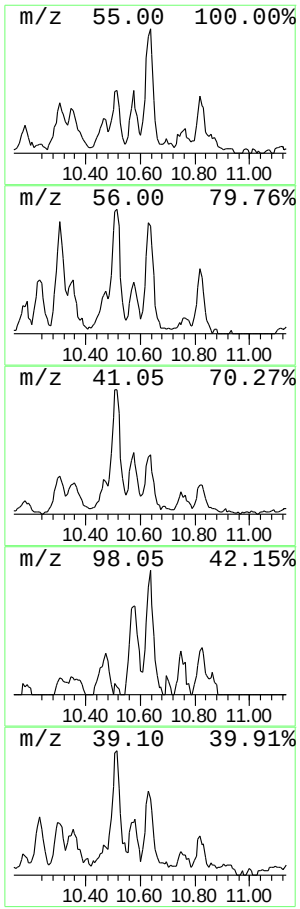
****

Peak Number 14 2-Heptene, (E)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.635	6.95 ug/kg	106437	1,4-difluorobenzene	10.231

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptene, (E)-	98	C7H14	014686-13-6	90
2	2-Heptene	98	C7H14	000592-77-8	80
3	2-Heptene, (E)-	98	C7H14	014686-13-6	76
4	Cyclobutanone, 2,3-dimethyl-, cis-	98	C6H10O	028113-36-2	72
5	Cycloheptane	98	C7H14	000291-64-5	64





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60008.D
Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

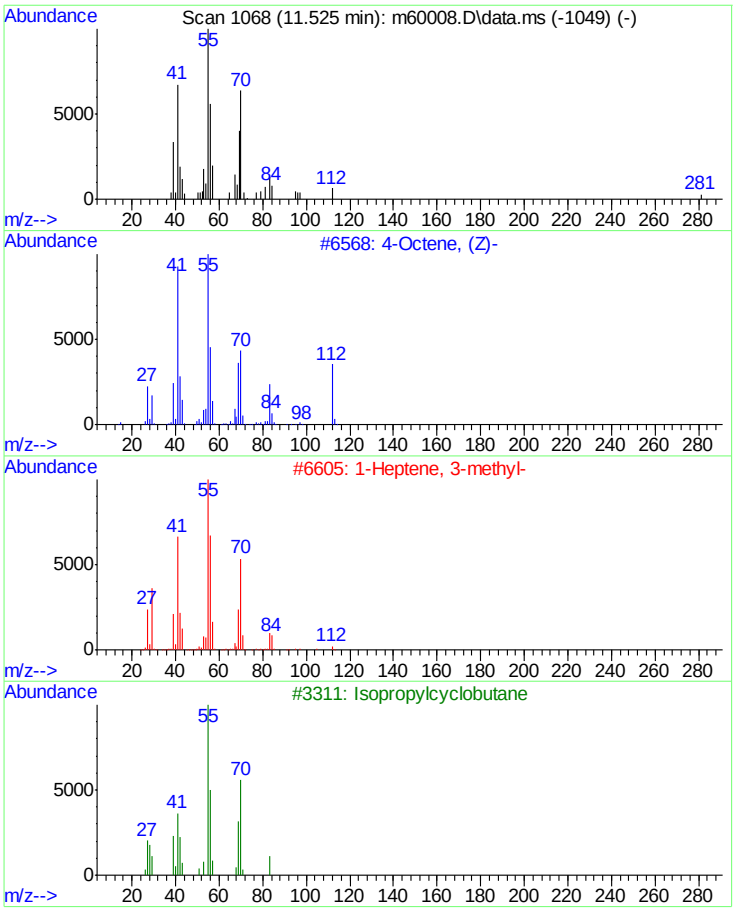
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

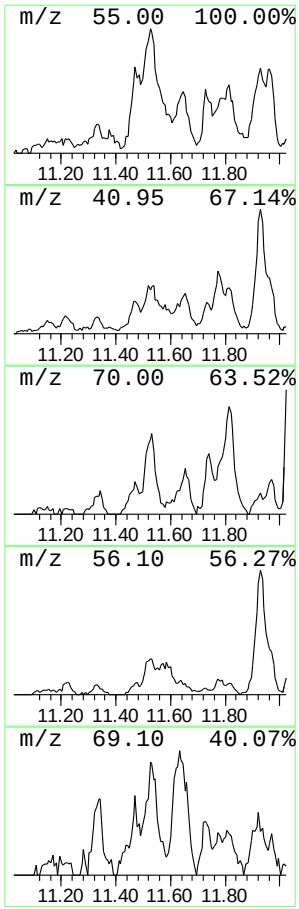
****

Peak Number 15 4-Octene, (Z)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.525	10.47 ug/kg	160304	1,4-difluorobenzene	10.231

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, (Z)-	112	C8H16	007642-15-1	90
2	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	72
3	Isopropylcyclobutane	98	C7H14	000872-56-0	64
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	59
5	4-Octene, (Z)-	112	C8H16	007642-15-1	53





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60008.D
Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

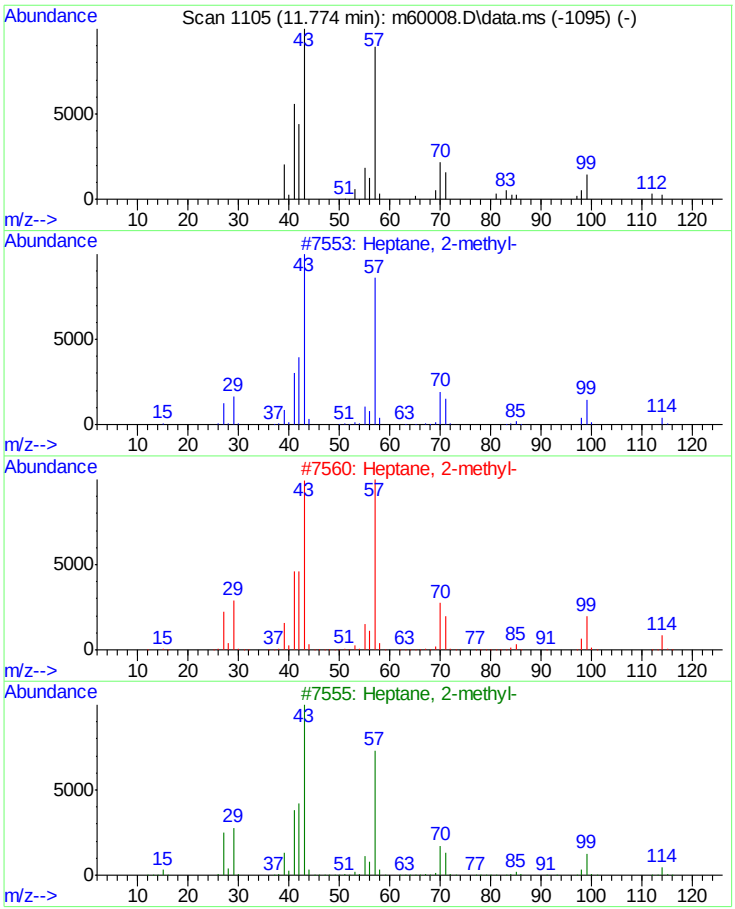
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

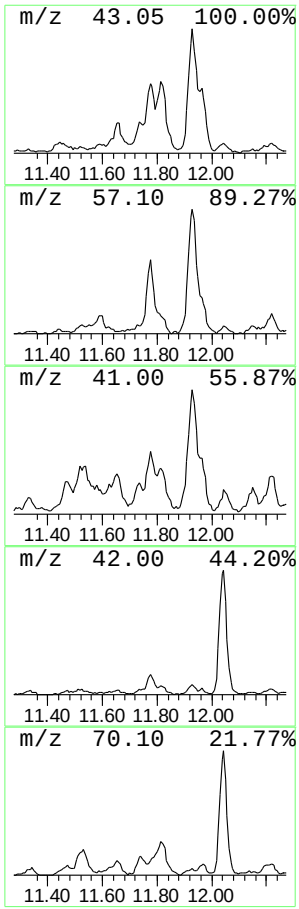
****

Peak Number 16 Heptane, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.774	11.76 ug/kg	179958	1,4-difluorobenzene	10.231

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
5	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	43





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60008.D
Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

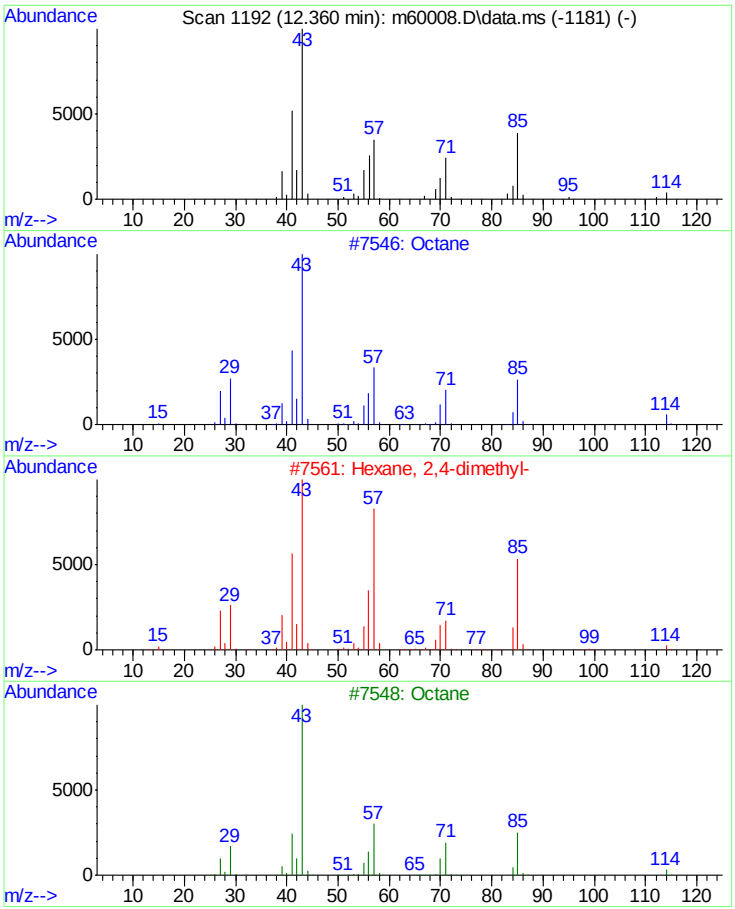
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

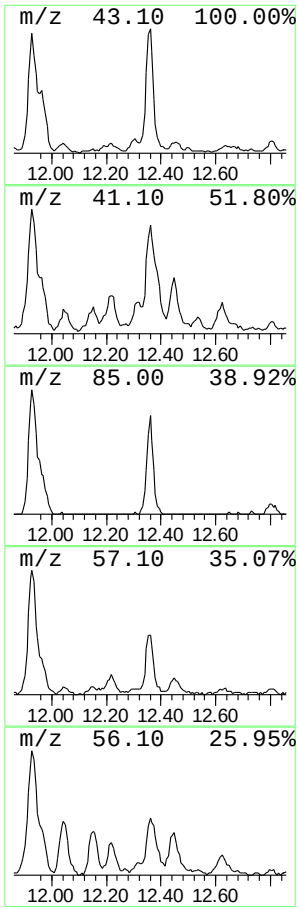
****

Peak Number 17 Octane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.360	10.99 ug/kg	204908	chlorobenzene-d5	13.505

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	90
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	80
3	Octane	114	C8H18	000111-65-9	64
4	Octane	114	C8H18	000111-65-9	64
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60008.D
Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

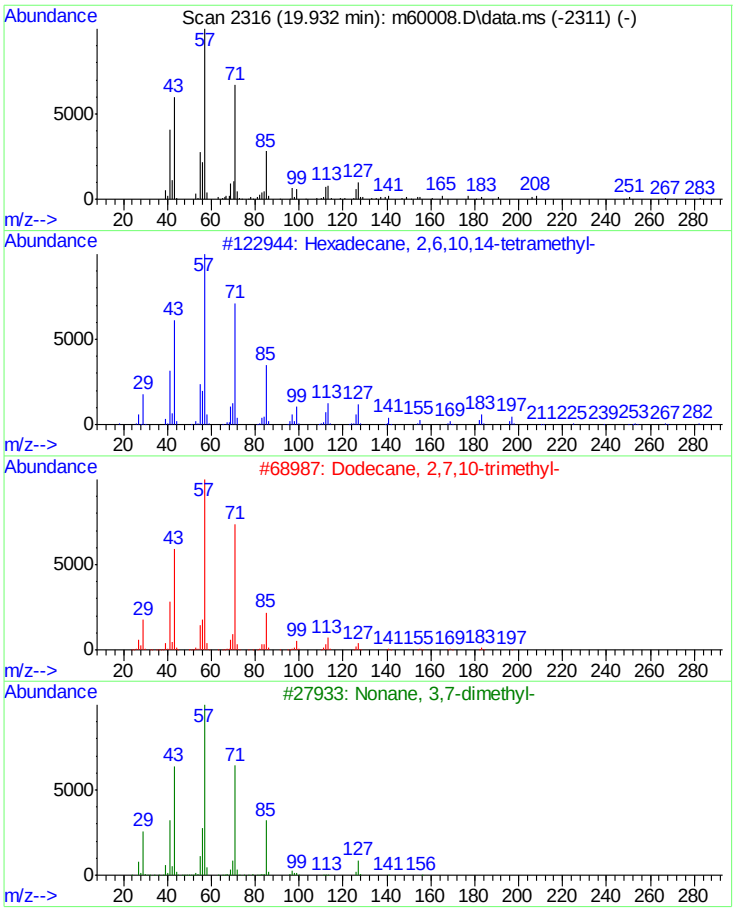
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

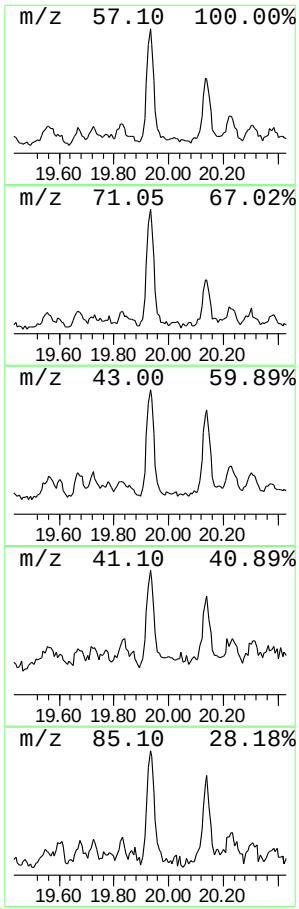
****

Peak Number 20 Hexadecane, 2,6,10,14-tetra... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.932	9.07 ug/kg	162294	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	72
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
5	Silane, trichlorodecyl-	274	C10H21Cl3Si	013829-21-5	59





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60008.D
Acq On : 7 Oct 2013 1:25 am
Operator : krystend
Sample : mc24849-12
Misc : MS30132,MSM2080,4.694,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclopropane, 1...	5.826	3.5	ug/kg	32900	2	9.349	474665	50.0
Butane, 2-methyl-	6.068	14.2	ug/kg	134853	2	9.349	474665	50.0
Cyclopropane, e...	6.338	8.6	ug/kg	81276	2	9.349	474665	50.0
2-Pentene, (Z)-	6.647	12.1	ug/kg	114550	2	9.349	474665	50.0
Pentane, 2-methyl-	7.840	24.0	ug/kg	228126	2	9.349	474665	50.0
Pentane, 3-methyl-	8.150	18.0	ug/kg	170624	2	9.349	474665	50.0
1-Hexene	8.291	8.7	ug/kg	82598	2	9.349	474665	50.0
Hexane	8.459	31.3	ug/kg	297304	2	9.349	474665	50.0
2-Hexene	8.581	14.6	ug/kg	139023	2	9.349	474665	50.0
2-Hexene, (Z)-	8.803	6.8	ug/kg	65066	2	9.349	474665	50.0
Pentane, 2,4-di...	9.874	13.8	ug/kg	211827	3	10.231	765273	50.0
2-Heptene, (E)-	10.635	7.0	ug/kg	106437	3	10.231	765273	50.0
4-Octene, (Z)-	11.525	10.5	ug/kg	160304	3	10.231	765273	50.0
Heptane, 2-methyl-	11.774	11.8	ug/kg	179958	3	10.231	765273	50.0
Octane	12.360	11.0	ug/kg	204908	4	13.505	932193	50.0
Hexadecane, 2,6...	19.932	9.1	ug/kg	162294	5	16.072	895063	50.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60003.D
Acq On : 6 Oct 2013 10:59 pm
Operator : krystend
Sample : mb
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 07 09:25:52 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

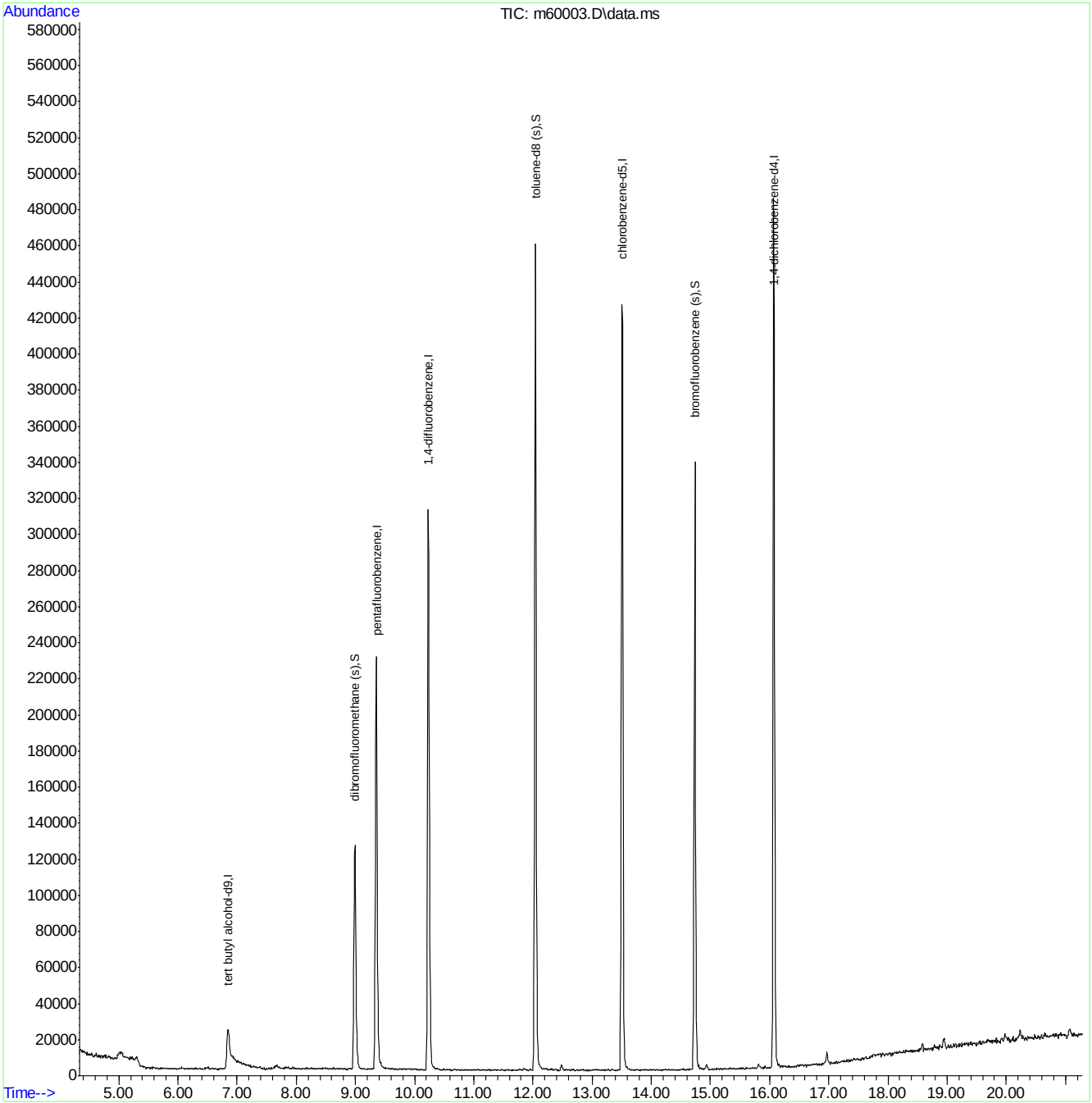
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.850	65	77012	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	185448	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	303765	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	127386	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	142930	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	94054	43.08	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 86.16%			
59) toluene-d8 (s)	12.043	98	335163	41.87	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.74%			
81) bromofluorobenzene (s)	14.738	95	118171	45.29	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.58%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60003.D
Acq On : 6 Oct 2013 10:59 pm
Operator : krystend
Sample : mb
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 07 09:25:52 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60003.D
Acq On : 6 Oct 2013 10:59 pm
Operator : krystend
Sample : mb
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 31 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130925S.M
Title : SW-846 Method 8260

Signal : TIC: m60003.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.722	351	355	363	rBV3	1100	3868	0.42%	0.077%
2	6.850	363	374	479	rVB3	22152	185907	20.09%	3.709%
3	7.867	515	525	533	rBV4	1182	4543	0.49%	0.091%
4	8.992	683	692	721	rVB	124323	301913	32.63%	6.024%
5	9.349	735	745	793	rVB	229162	513736	55.52%	10.250%
6	10.231	867	876	911	rBV	310545	655817	70.88%	13.084%
7	10.669	935	941	957	rVB3	676	2436	0.26%	0.049%
8	10.891	957	974	975	rBV2	884	2477	0.27%	0.049%
9	11.046	993	997	1031	rVB3	1196	11166	1.21%	0.223%
10	11.403	1031	1050	1069	rBV3	1103	10988	1.19%	0.219%
11	11.848	1113	1116	1127	rVB4	1579	4391	0.47%	0.088%
12	12.043	1137	1145	1183	rVB	458426	885241	95.67%	17.662%
13	12.481	1201	1210	1233	rVB4	3684	11159	1.21%	0.223%
14	12.697	1233	1242	1247	rBV2	959	2903	0.31%	0.058%
15	13.061	1283	1296	1299	rBV3	708	2336	0.25%	0.047%
16	13.330	1331	1336	1343	rBV2	841	2370	0.26%	0.047%
17	13.505	1351	1362	1385	rVB	424736	821677	88.80%	16.393%
18	14.239	1429	1471	1485	rBV3	799	7030	0.76%	0.140%
19	14.738	1537	1545	1567	rVB	337102	613293	66.28%	12.236%
20	14.933	1567	1574	1599	rVB4	3051	10635	1.15%	0.212%
21	15.337	1625	1634	1699	rBV5	1054	15900	1.72%	0.317%
22	15.809	1699	1704	1717	rVB6	3271	9798	1.06%	0.195%
23	15.923	1717	1721	1735	rBV7	1921	7367	0.80%	0.147%
24	16.072	1735	1743	1869	rBV	482260	925281	100.00%	18.460%

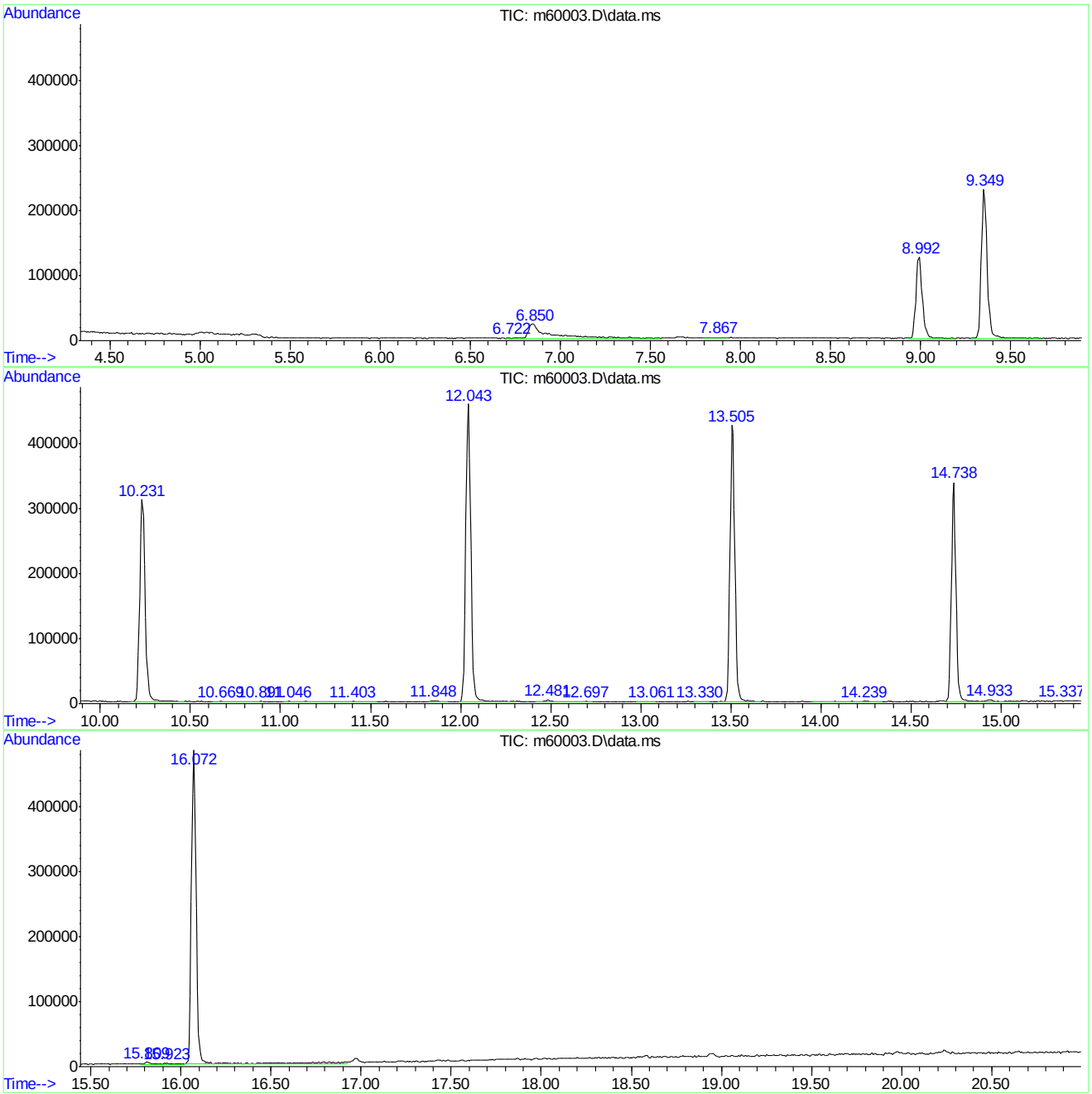
Sum of corrected areas: 5012232

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60003.D
Acq On : 6 Oct 2013 10:59 pm
Operator : krystend
Sample : mb
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 31 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



ACCUTEST LABORATORIES MC24849

Library Search Compound Report

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60003.D
Acq On : 6 Oct 2013 10:59 pm
Operator : krystend
Sample : mb
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 31 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60003.D
Acq On : 6 Oct 2013 10:59 pm
Operator : krystend
Sample : mb
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 31 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60026.D
Acq On : 7 Oct 2013 11:15 am
Operator : krystend
Sample : mb1
Misc : MS30137,MSM2080,5,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 07 11:39:08 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

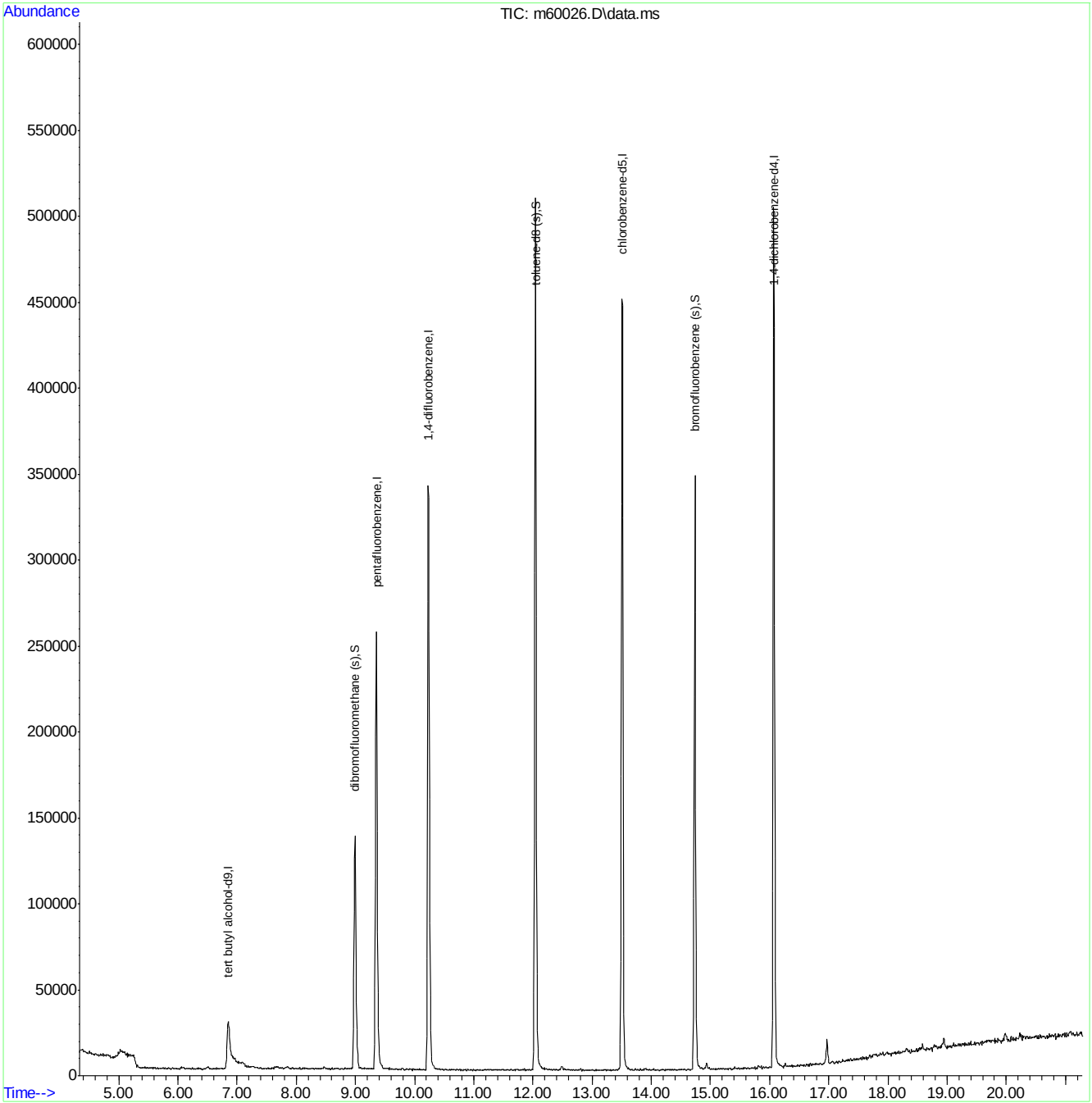
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.849	65	85569	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	211240	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	337035	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	134122	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	146778	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	102249	41.12	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 82.24%			
59) toluene-d8 (s)	12.043	98	366660	41.29	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 82.58%			
81) bromofluorobenzene (s)	14.738	95	124443	46.44	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.88%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60026.D
Acq On : 7 Oct 2013 11:15 am
Operator : krystend
Sample : mb1
Misc : MS30137,MSM2080,5,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 07 11:39:08 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24849

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60026.D
Acq On : 7 Oct 2013 11:15 am
Operator : krystend
Sample : mb
Misc : MS30137,MSM2081,5,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 2000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M130925S.M
Title : SW-846 Method 8260

Signal : TIC: m60026.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.055	251	256	289	rBV6	1721	7993	0.83%	0.149%
2	6.506	289	323	363	rVV6	1467	14365	1.49%	0.268%
3	6.849	363	374	513	rVV2	27754	207245	21.46%	3.870%
4	7.846	515	522	547	rVB5	1934	11145	1.15%	0.208%
5	8.823	663	667	683	rBV2	890	3322	0.34%	0.062%
6	8.992	683	692	737	rVV2	135897	337062	34.91%	6.294%
7	9.355	737	746	777	rVB	254860	577046	59.77%	10.775%
8	10.231	865	876	915	rVV	340275	731318	75.74%	13.656%
9	10.521	915	919	945	rVB3	700	3370	0.35%	0.063%
10	10.864	963	970	971	rVB3	1139	2383	0.25%	0.044%
11	10.905	971	976	987	rBV3	1097	4837	0.50%	0.090%
12	11.107	995	1006	1015	rBV3	615	3398	0.35%	0.063%
13	12.043	1133	1145	1177	rVB	507436	965514	100.00%	18.029%
14	12.488	1203	1211	1227	rVB3	2366	8215	0.85%	0.153%
15	12.804	1255	1258	1261	rVB3	1603	2329	0.24%	0.043%
16	13.357	1331	1340	1351	rVB3	948	2664	0.28%	0.050%
17	13.505	1351	1362	1391	rBV	449039	863614	89.45%	16.126%
18	13.727	1391	1395	1417	rVV3	1123	4238	0.44%	0.079%
19	13.909	1417	1422	1445	rVB4	1469	6195	0.64%	0.116%
20	14.273	1455	1476	1477	rBV3	1058	5690	0.59%	0.106%
21	14.569	1503	1520	1523	rVB3	730	2306	0.24%	0.043%
22	14.738	1535	1545	1567	rBV	345496	636607	65.93%	11.887%
23	14.933	1567	1574	1597	rVB6	4215	13430	1.39%	0.251%
24	15.135	1597	1604	1629	rVB4	1232	9882	1.02%	0.185%
25	15.351	1629	1636	1637	rBV4	1273	2970	0.31%	0.055%
26	15.411	1639	1645	1665	rBV5	1679	6632	0.69%	0.124%
27	15.802	1701	1703	1733	rBV5	2062	13110	1.36%	0.245%
28	16.072	1733	1743	1767	rVB	501199	908535	94.10%	16.965%

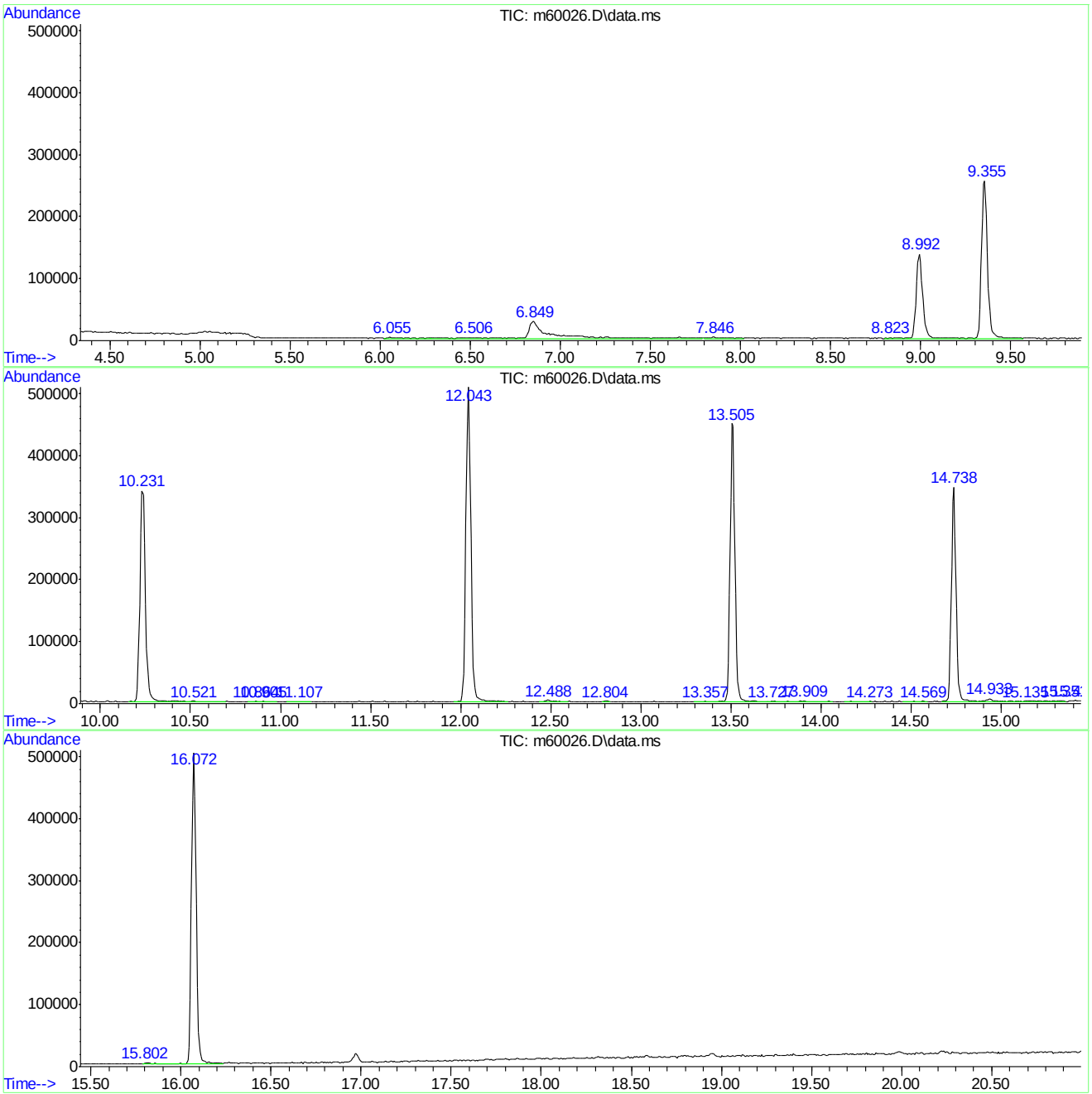
Sum of corrected areas: 5355415

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60026.D
Acq On : 7 Oct 2013 11:15 am
Operator : krystend
Sample : mb
Misc : MS30137,MSM2081,5,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



ACCUTEST LABORATORIES MC24849

Library Search Compound Report

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60026.D
Acq On : 7 Oct 2013 11:15 am
Operator : krystend
Sample : mb
Misc : MS30137,MSM2081,5,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60026.D
Acq On : 7 Oct 2013 11:15 am
Operator : krystend
Sample : mb
Misc : MS30137,MSM2081,5,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60026.D
Acq On : 7 Oct 2013 11:15 am
Operator : krystend
Sample : mb1
Misc : MS30137,MSM2080,5,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 07 11:39:08 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.849	65	85569	500.00	ug/kg	0.00
4) pentafluorobenzene	9.355	168	211240	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	337035	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	134122	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	146778	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	102249	41.12	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 82.24%			
59) toluene-d8 (s)	12.043	98	366660	41.29	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 82.58%			
81) bromofluorobenzene (s)	14.738	95	124443	46.44	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.88%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.2.5

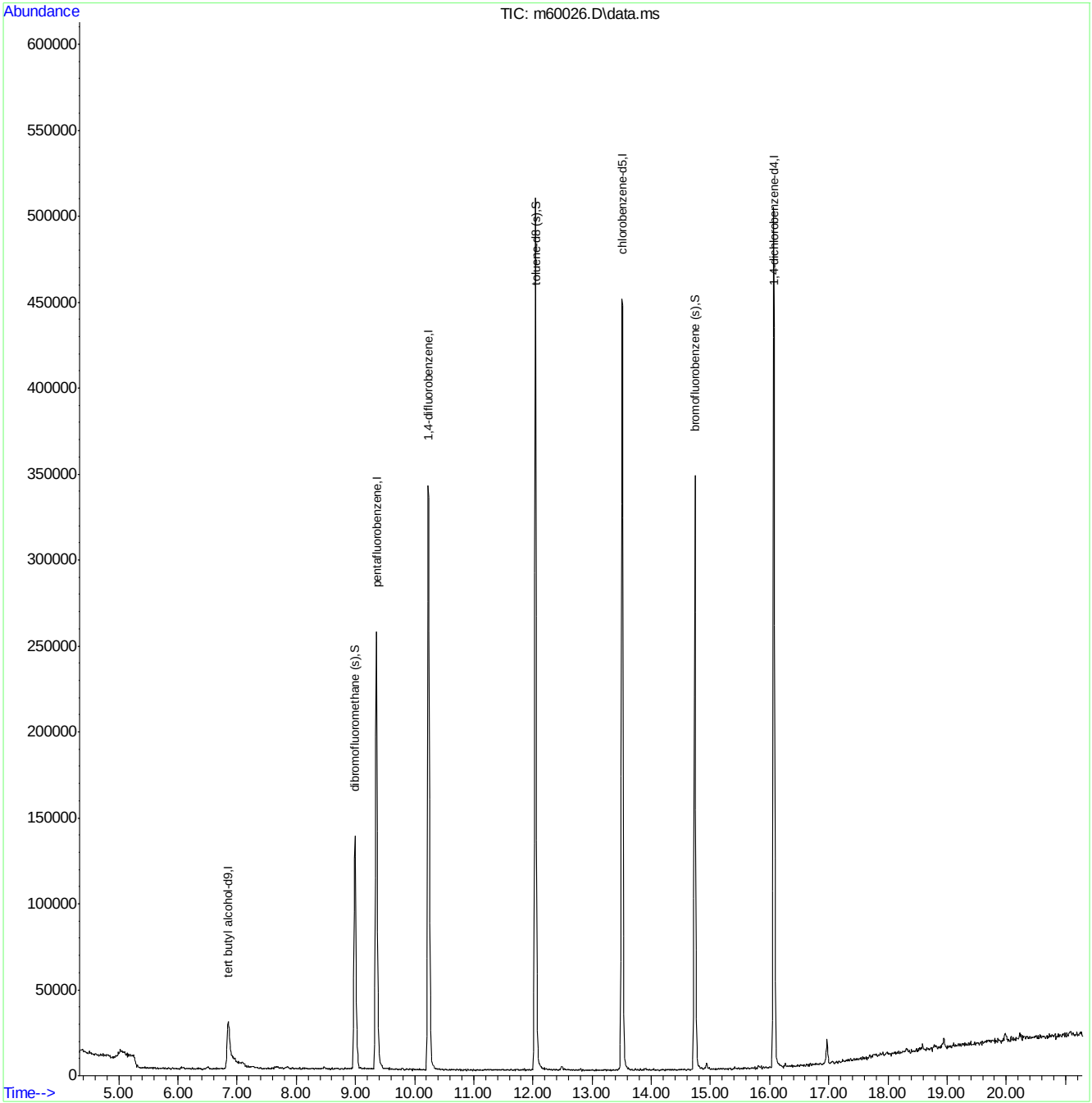
7

ACCUTEST LABORATORIES MC24849

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60026.D
Acq On : 7 Oct 2013 11:15 am
Operator : krystend
Sample : mb1
Misc : MS30137,MSM2080,5,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 07 11:39:08 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24849

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
10/07/13 12:22

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60000.D
Acq On : 6 Oct 2013 9:30 pm
Operator : krystend
Sample : bs
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 07 09:57:32 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.836	65	81012	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	195951	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	324530	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	145001	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	180494	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	99217	43.01	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 86.02%			
59) toluene-d8 (s)		12.043	98	351709	41.13	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 82.26%			
81) bromofluorobenzene (s)		14.731	95	135389	41.09	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 82.18%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	178427	671.92	ug/kg	95
3) Ethanol		5.657	45	119879	4551.82	ug/kg	99
5) dichlorodifluoromethane		4.445	85	161208	62.33	ug/kg	98
6) chloromethane		4.707	50	297667	70.61	ug/kg	99
7) vinyl chloride		4.977	62	226146	54.02	ug/kg	99
8) bromomethane	...	5.502	96	132280	65.46	ug/kg	97
9) chloroethane		5.671	64	97195m	68.10	ug/kg	
10) ethyl ether		6.573	59	114671	63.72	ug/kg	99
11) acetonitrile		6.580	41	32259	57.02	ug/kg	94
12) trichlorofluoromethane		6.337	101	237939	65.87	ug/kg	97
13) freon-113		7.146	101	115648m	60.66	ug/kg	
14) acrolein		6.324	56	110930	271.25	ug/kg	99
15) 1,1-dichloroethene		6.944	96	131918	59.83	ug/kg	96
16) acetone		6.472	58	10584m	47.18	ug/kg	
17) Methyl Acetate		7.126	43	134255	39.82	ug/kg	89
18) methylene chloride		7.099	84	159852	67.22	ug/kg	93
19) methyl tert butyl ether		7.900	73	296231	60.30	ug/kg	91
20) acrylonitrile		7.004	53	59164	63.75	ug/kg	91
21) allyl chloride		7.193	41	268502	61.69	ug/kg	93
22) trans-1,2-dichloroethene		7.813	96	150624	63.04	ug/kg	98
23) iodomethane		7.011	142	273549m	60.60	ug/kg	
24) carbon disulfide		7.388	76	405030m	59.25	ug/kg	
25) propionitrile		8.102	54	20403	58.08	ug/kg	100
26) vinyl acetate		8.170	43	296158	52.02	ug/kg	98
27) chloroprene		8.446	53	264898	69.57	ug/kg	93
28) di-isopropyl ether		8.480	45	566284	59.80	ug/kg	94
29) methacrylonitrile		8.601	41	88837	60.40	ug/kg	98
30) 2-butanone		8.500	72	14345	57.31	ug/kg#	1
31) 1,1-dichloroethane		8.069	63	272148m	69.19	ug/kg	
32) tert-butyl ethyl ether		8.884	59	404224	62.16	ug/kg	99
33) isobutyl alcohol		8.891	43	103517	300.34	ug/kg	91
34) 2,2-dichloropropane		8.951	77	167974	68.86	ug/kg	99
35) cis-1,2-dichloroethene		8.655	96	168742	61.52	ug/kg	98
36) ethyl acetate		8.891	43	104416	60.71	ug/kg	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60000.D
Acq On : 6 Oct 2013 9:30 pm
Operator : krystend
Sample : bs
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 07 09:57:32 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	93544	69.83	ug/kg	95
38) chloroform	8.864	83	263122m	67.82	ug/kg	
40) Tetrahydrofuran	9.194	42	49858	54.94	ug/kg	89
41) 1,1,1-trichloroethane	9.632	97	231401m	70.53	ug/kg	
43) Cyclohexane	9.914	56	248817	56.43	ug/kg	86
44) carbon tetrachloride	10.002	117	233499	66.19	ug/kg	100
45) 1,1-dichloropropene	9.807	75	186184	59.44	ug/kg	95
46) benzene	10.029	78	580852	57.75	ug/kg	99
47) 1,2-dichloroethane	9.524	62	195564	58.46	ug/kg	98
48) tert-amyl methyl ether	10.150	73	296934	57.37	ug/kg	98
49) heptane	10.507	43	255738	55.68	ug/kg	97
50) trichloroethene	10.655	95	158725	56.80	ug/kg	89
51) 1,2-dichloropropane	10.622	63	158710	57.00	ug/kg	99
52) dibromomethane	10.602	93	97524	66.07	ug/kg	87
53) bromodichloromethane	10.709	83	205340	60.09	ug/kg	97
54) Methylcyclohexane	11.181	83	251173	60.24	ug/kg	96
55) 2-chloroethyl vinyl ether	11.087	63	56280	56.85	ug/kg	96
56) methyl methacrylate	10.797	69	83237	56.91	ug/kg	95
57) 1,4-dioxane	10.804	88	6584	290.61	ug/kg	96
58) cis-1,3-dichloropropene	11.329	75	218935	56.03	ug/kg	95
60) 4-methyl-2-pentanone	11.423	43	172355	57.77	ug/kg	100
61) toluene	12.111	92	380977	59.96	ug/kg	98
62) trans-1,3-dichloropropene	11.754	75	195679	59.50	ug/kg	90
63) 1,1,2-trichloroethane	11.929	83	108356	59.22	ug/kg	94
64) ethyl methacrylate	12.124	69	165105	52.65	ug/kg	92
66) tetrachloroethene	12.858	166	171415	56.50	ug/kg	97
67) 1,3-dichloropropane	12.164	76	199615	52.98	ug/kg	96
68) dibromochloromethane	12.461	129	189518	55.54	ug/kg	99
69) 1,2-dibromoethane	12.717	107	144682	54.36	ug/kg	99
70) 2-hexanone	12.279	43	119244	51.98	ug/kg	99
71) chlorobenzene	13.539	112	458876	52.65	ug/kg	95
72) 1,1,1,2-tetrachloroethane	13.458	131	181259	53.38	ug/kg	97
73) ethylbenzene	13.714	91	716020	54.49	ug/kg	94
74) m,p-xylene	13.896	106	609886	108.92	ug/kg	91
75) o-xylene	14.313	106	311673	53.97	ug/kg	92
76) styrene	14.239	104	456372	53.34	ug/kg	97
77) bromoform	14.071	173	124501	57.64	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.462	53	56221	52.84	ug/kg	97
80) isopropylbenzene	14.677	105	785015	53.46	ug/kg	95
82) bromobenzene	14.967	156	213455	54.58	ug/kg	86
83) 1,1,2,2-tetrachloroethane	14.320	83	188545	53.88	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	191241	53.80	ug/kg	100
85) n-propylbenzene	15.122	91	830736	52.59	ug/kg	93
86) 2-chlorotoluene	15.243	91	495596	51.77	ug/kg	90
87) 4-chlorotoluene	15.317	91	505724	54.17	ug/kg	91
88) 1,3,5-trimethylbenzene	15.398	105	662747	54.83	ug/kg	95
89) tert-butylbenzene	15.701	91	352749	52.43	ug/kg	87
90) 1,2,4-trimethylbenzene	15.809	105	654350	55.05	ug/kg	96
91) sec-butylbenzene	15.923	105	883332	53.16	ug/kg	97
92) 1,3-dichlorobenzene	16.031	146	404079	53.40	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60000.D
Acq On : 6 Oct 2013 9:30 pm
Operator : krystend
Sample : bs
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 07 09:57:32 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

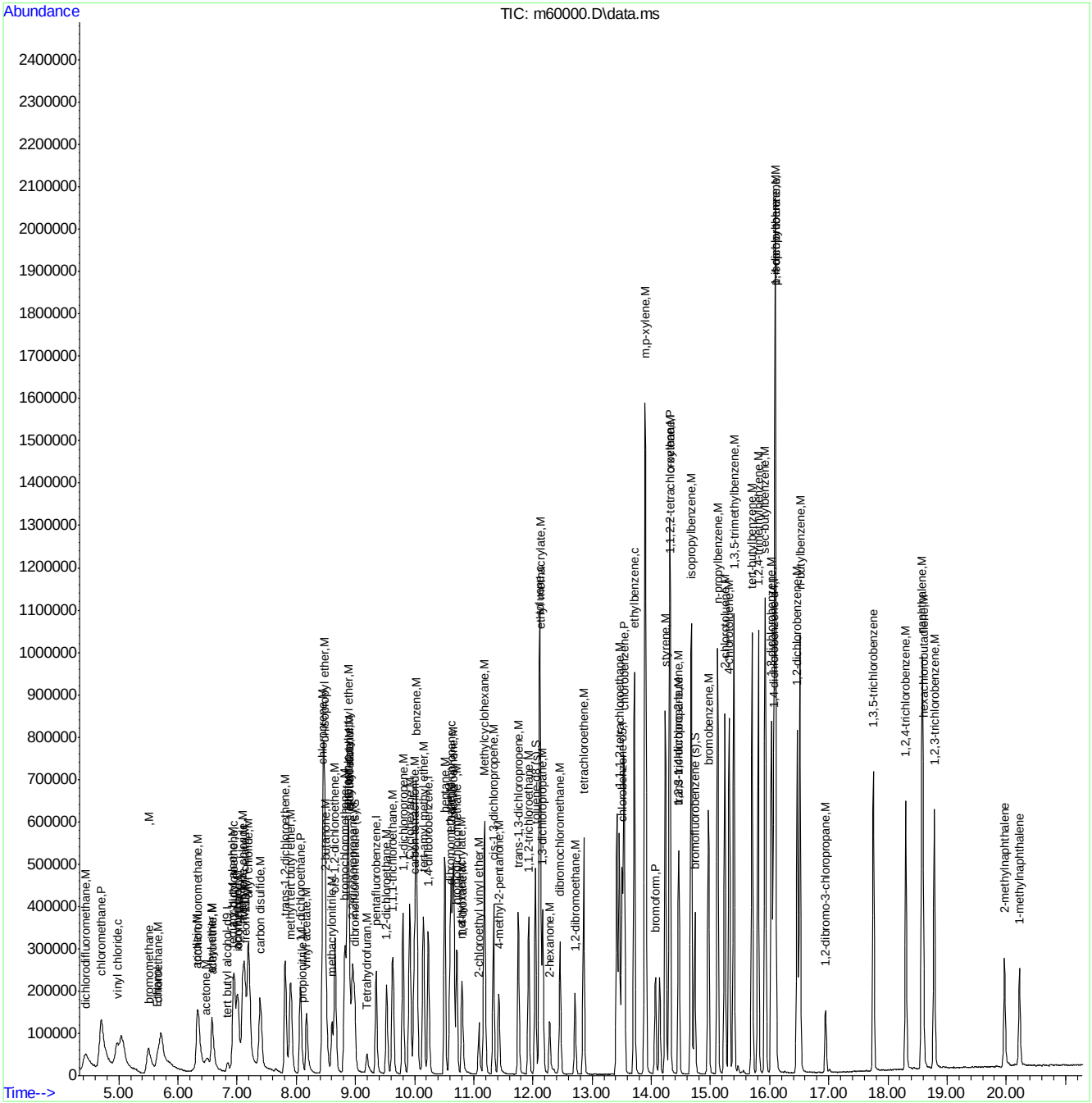
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.098	119	762415	57.70	ug/kg	96
94)	1,4-dichlorobenzene	16.098	146	428757	55.99	ug/kg	97
95)	1,2-dichlorobenzene	16.469	146	395604	51.91	ug/kg	98
96)	n-butylbenzene	16.516	91	630956	55.73	ug/kg	91
97)	1,2-dibromo-3-chloropr...	16.947	75	34010	48.05	ug/kg	81
98)	1,3,5-trichlorobenzene	17.756	180	241075	49.44	ug/kg	99
99)	1,2,4-trichlorobenzene	18.301	180	220949	47.41	ug/kg	99
100)	hexachlorobutadiene	18.598	225	121928	45.15	ug/kg	97
101)	naphthalene	18.577	128	676104	49.00	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	223420	46.58	ug/kg	96
103)	2-methylnaphthalene	19.972	142	164488	23.04	ug/kg	99
104)	1-methylnaphthalene	20.221	TIC	538367	23.06	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60000.D
Acq On : 6 Oct 2013 9:30 pm
Operator : krystend
Sample : bs
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

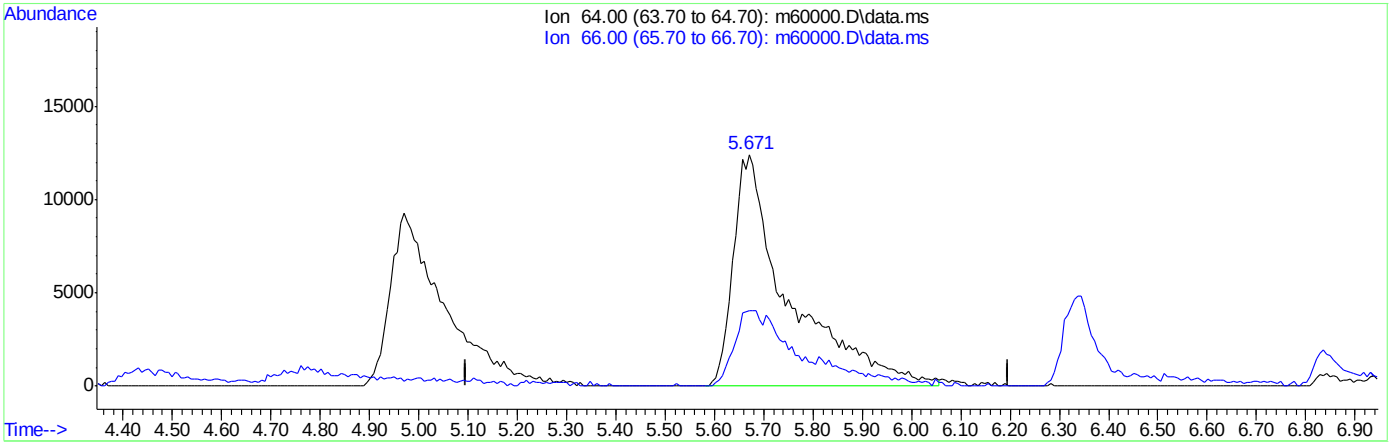
Quant Time: Oct 07 09:57:32 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

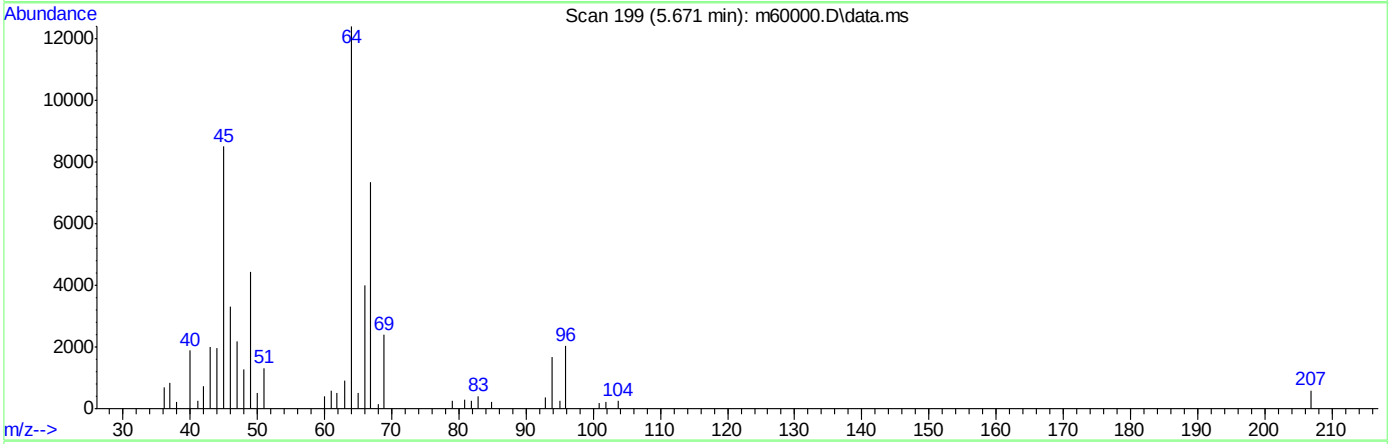


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60000.D
Acq On : 6 Oct 2013 9:30 pm
Operator : krystend
Sample : bs
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 07 08:13:21 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m60000.D\data.ms

(9) chloroethane (M)

5.671min (-0.006) 68.10ug/kg m

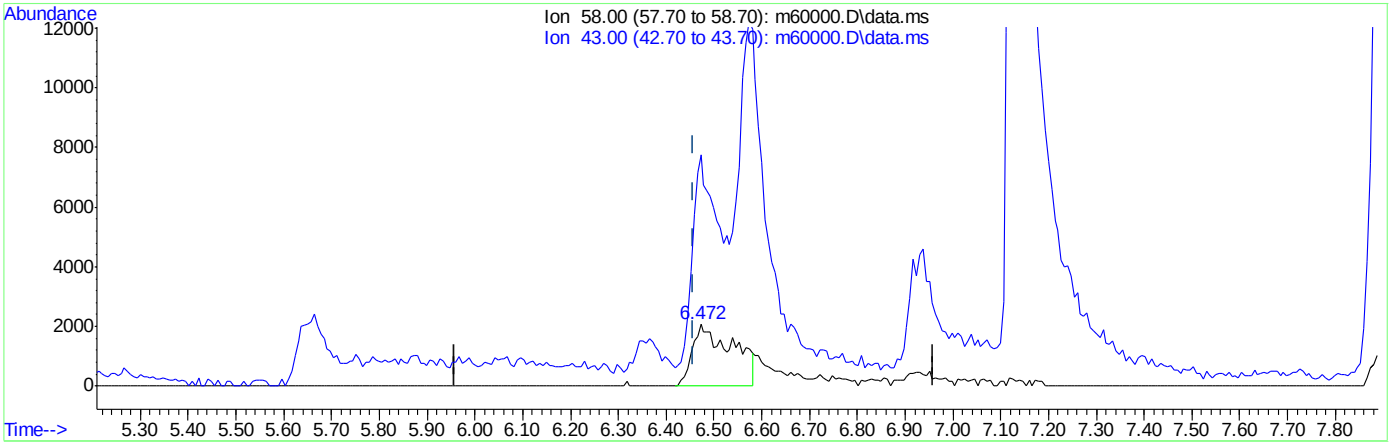
response 97195

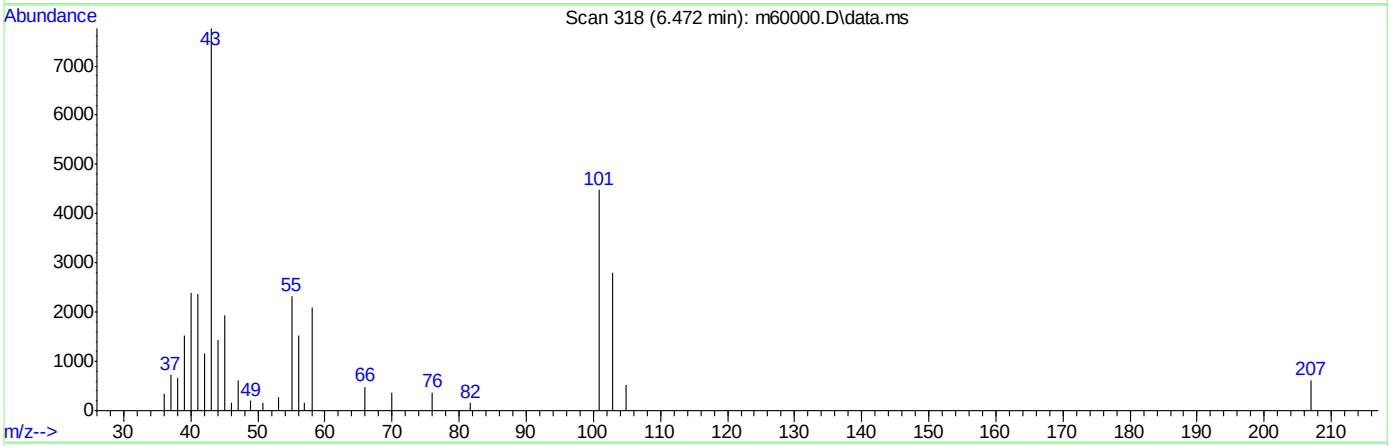
Ion	Exp%	Act%
64.00	100	100
66.00	31.60	32.41
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60000.D
Acq On : 6 Oct 2013 9:30 pm
Operator : krystend
Sample : bs
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 07 08:30:32 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m60000.D\data.ms

(16) acetone (M)

6.472min (+0.013) 53.93ug/kg m

response 12069

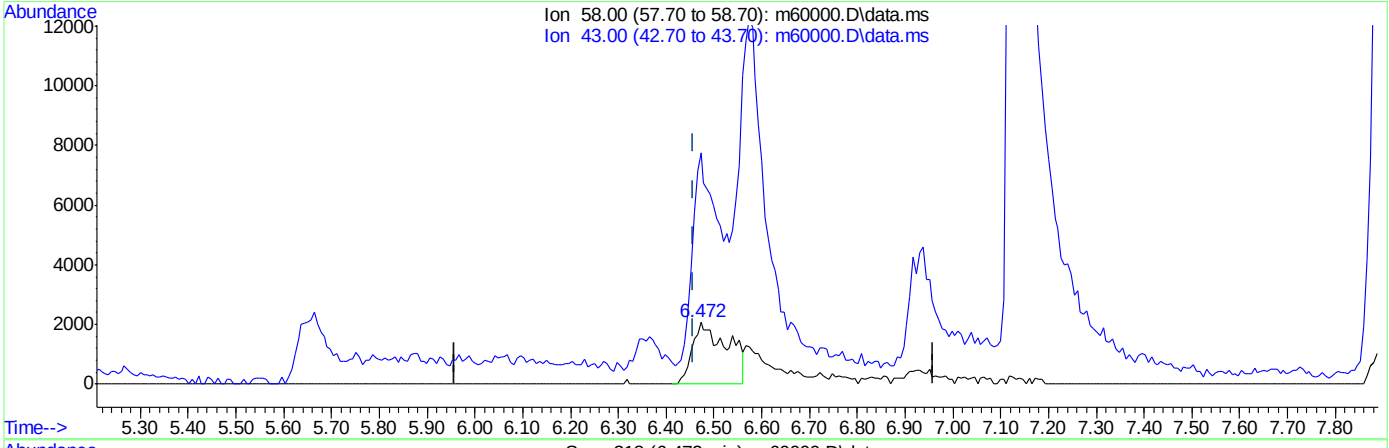
Ion	Exp%	Act%
58.00	100	100
43.00	380.40	371.79
0.00	0.00	0.00
0.00	0.00	0.00

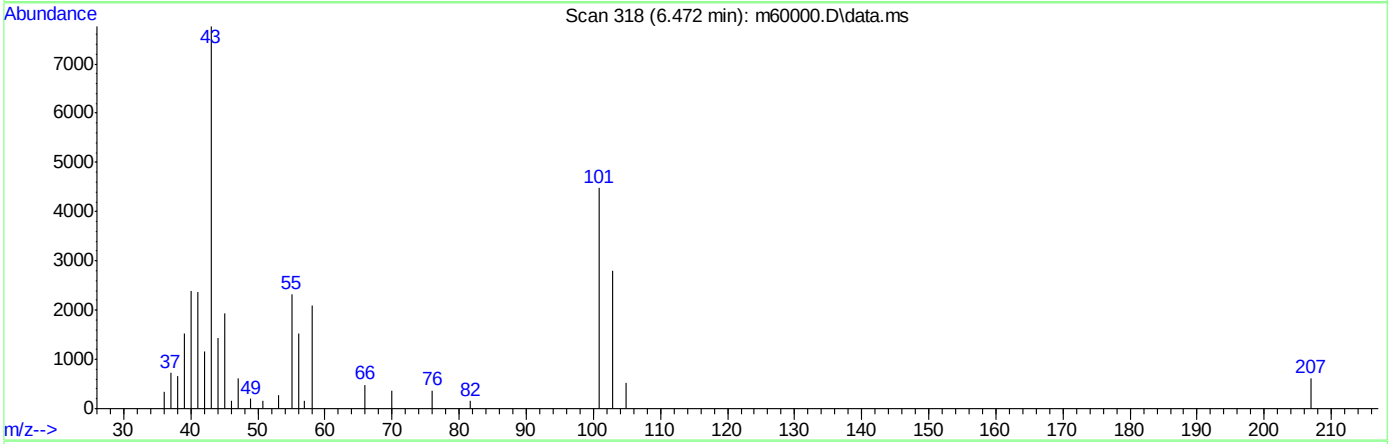
ACCUTEST LABORATORIES MC24849

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60000.D
Acq On : 6 Oct 2013 9:30 pm
Operator : krystend
Sample : bs
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 07 08:30:32 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m60000.D\data.ms

(16) acetone (M)

6.472min (+0.013) 47.18ug/kg m

response 10584

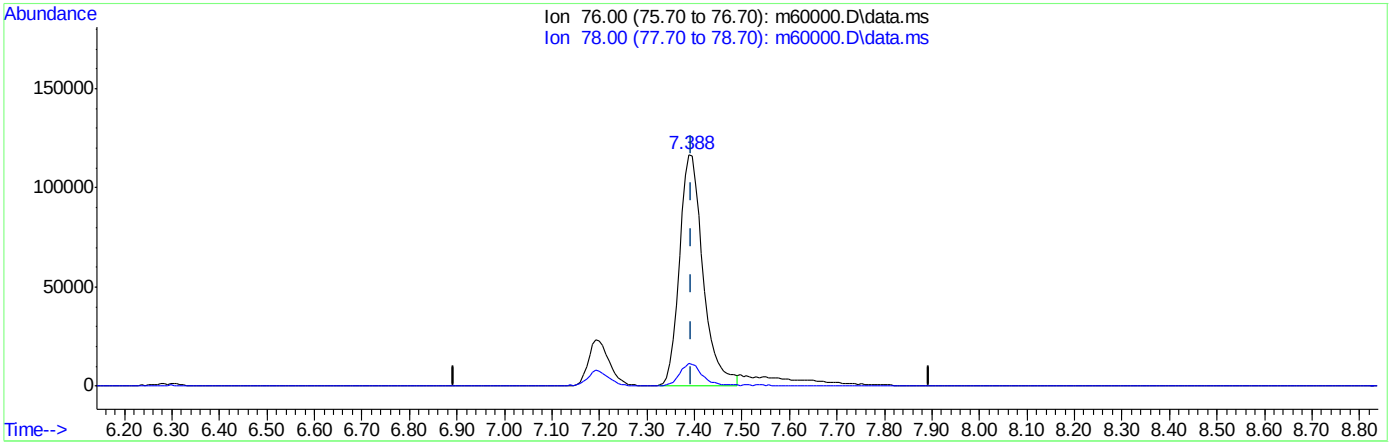
Ion	Exp%	Act%
58.00	100	100
43.00	380.40	371.79
0.00	0.00	0.00
0.00	0.00	0.00

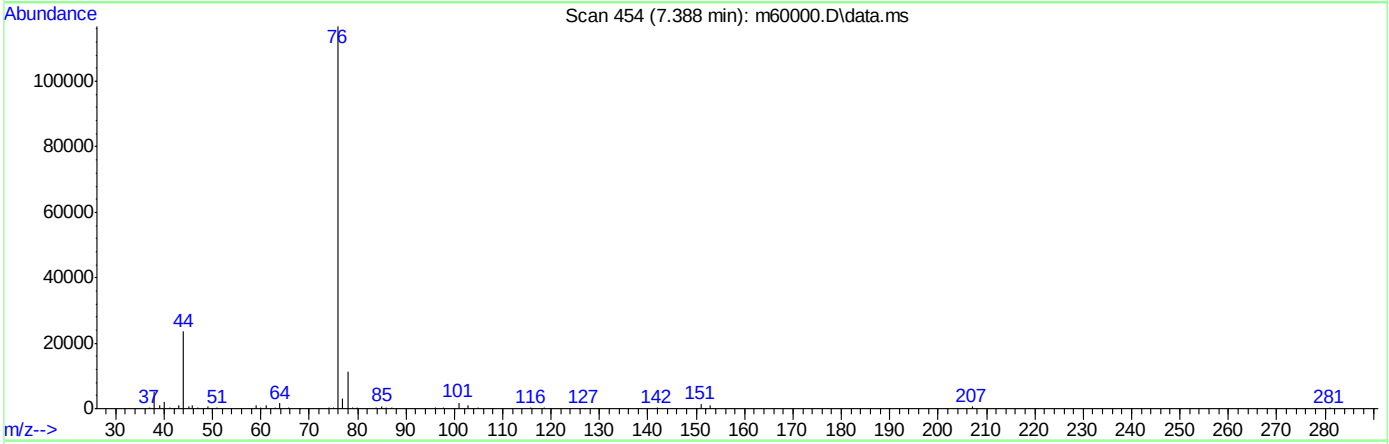
ACCUTEST LABORATORIES MC24849

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60000.D
Acq On : 6 Oct 2013 9:30 pm
Operator : krystend
Sample : bs
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 07 09:22:31 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m60000.D\data.ms

(24) carbon disulfide (M)

7.388min (-0.007) 59.25ug/kg m

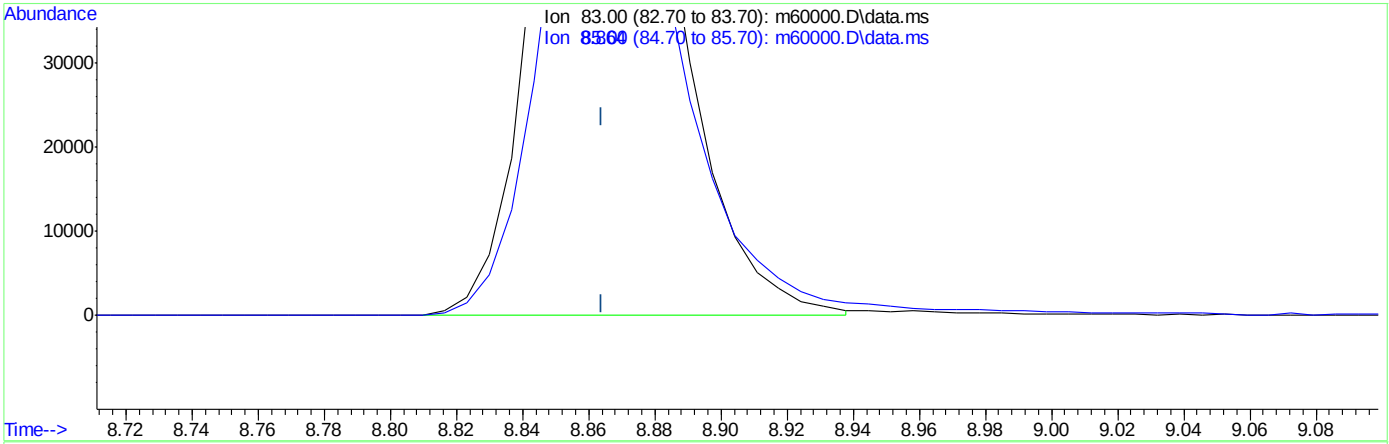
response 405030

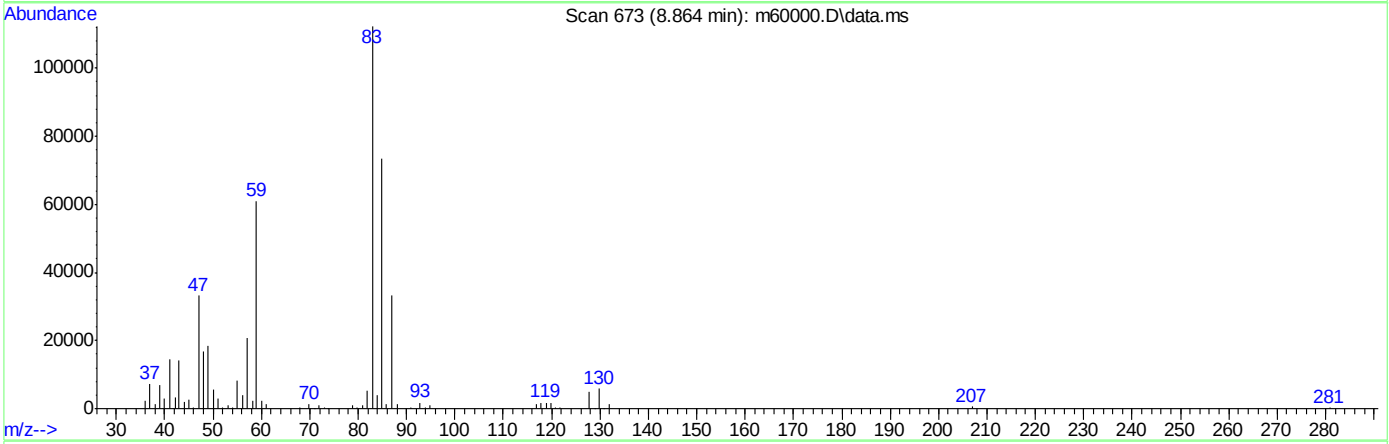
Ion	Exp%	Act%
76.00	100	100
78.00	9.10	9.62
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60000.D
Acq On : 6 Oct 2013 9:30 pm
Operator : krystend
Sample : bs
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 07 09:22:31 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m60000.D\data.ms

(38) chloroform (c)

8.864min (-0.000) 67.82ug/kg m

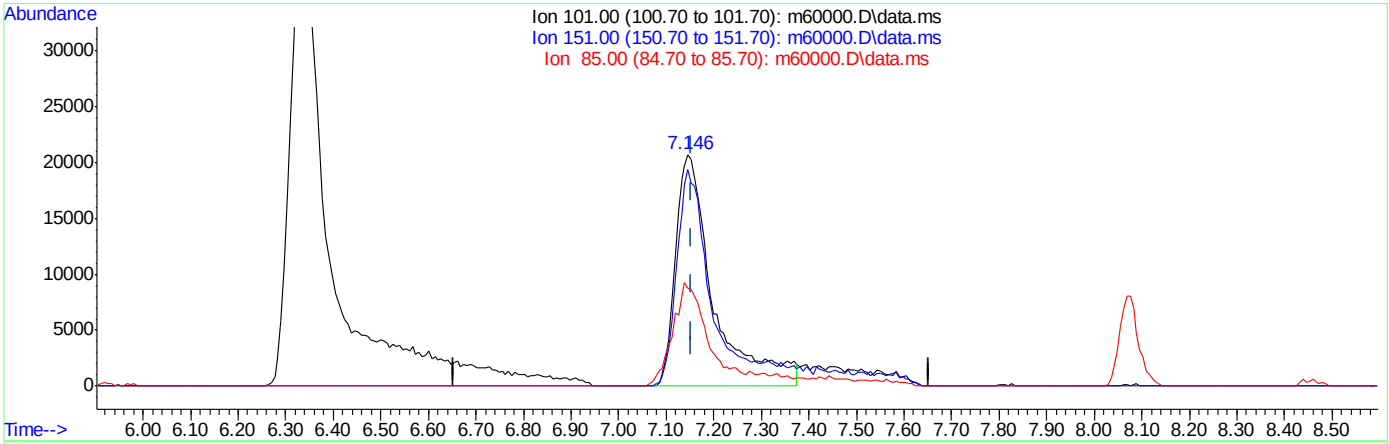
response 263122

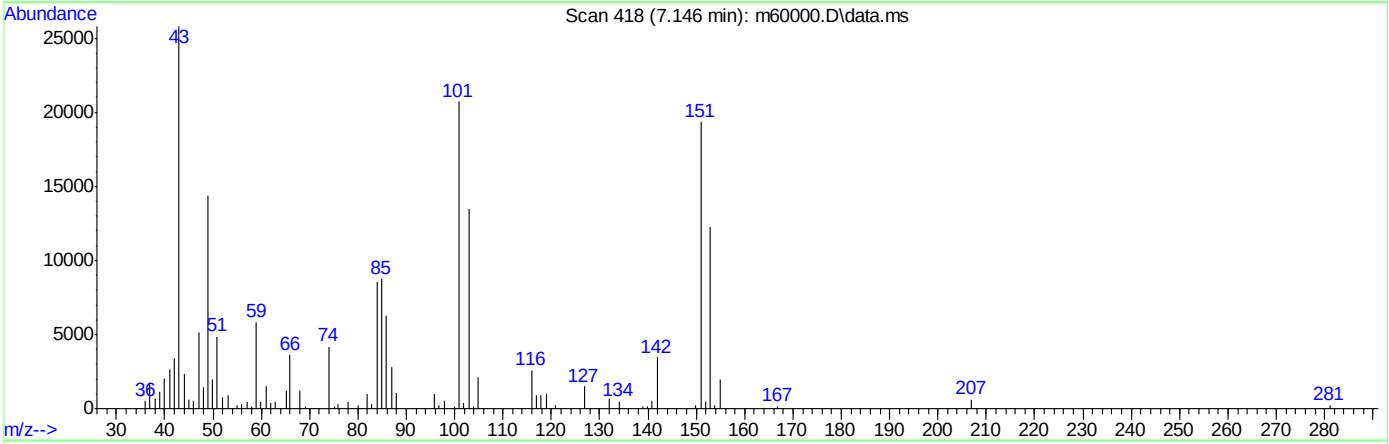
Ion	Exp%	Act%
83.00	100	100
85.00	64.00	65.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60000.D
Acq On : 6 Oct 2013 9:30 pm
Operator : krystend
Sample : bs
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 07 09:22:31 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m60000.D\data.ms

(13) freon-113 (M)

7.146min (-0.007) 60.66ug/kg m

response 115648

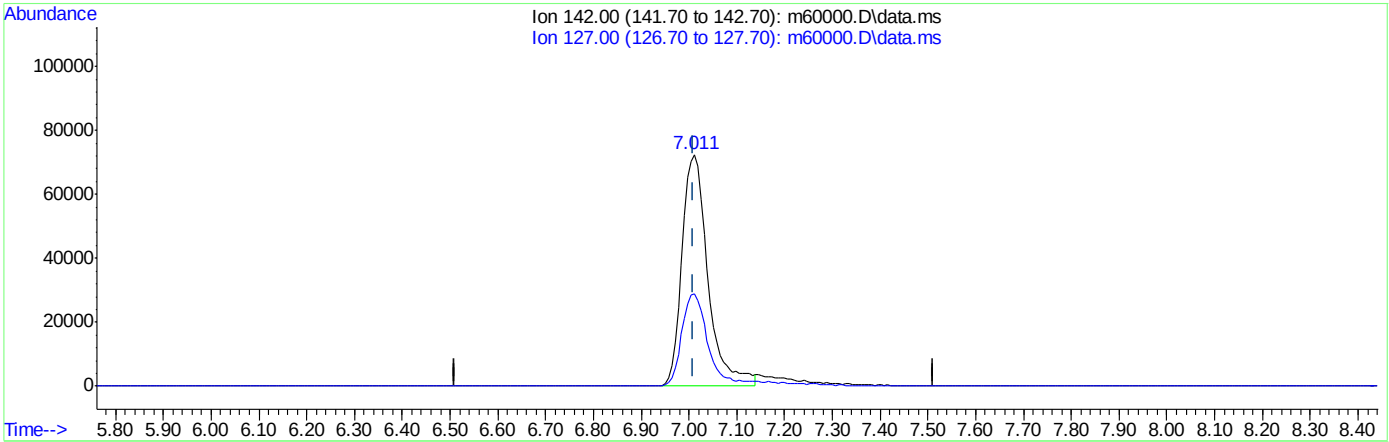
Ion	Exp%	Act%
101.00	100	100
151.00	76.30	93.36
85.00	44.50	42.29
0.00	0.00	0.00

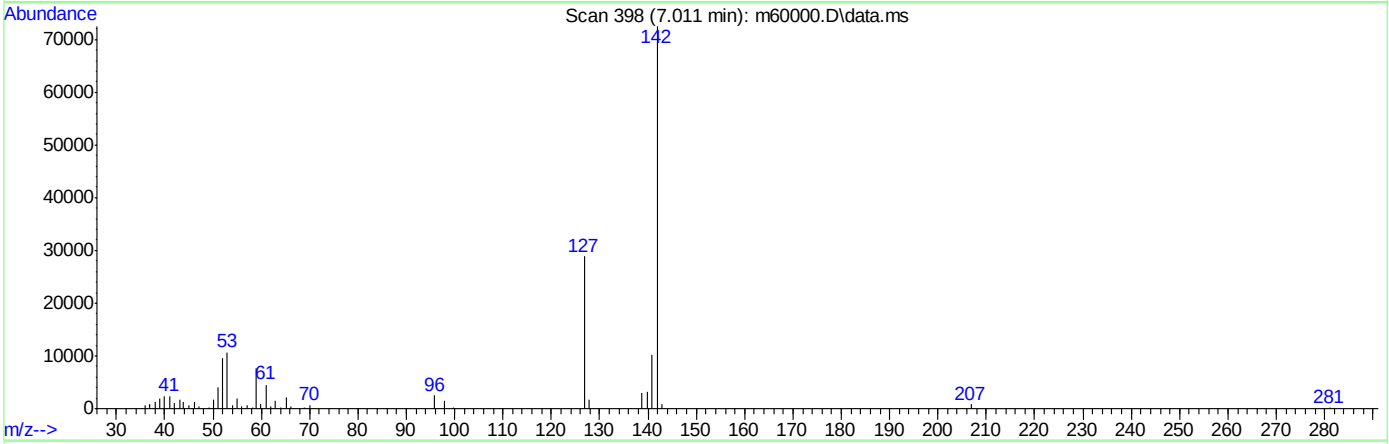
ACCUTEST LABORATORIES MC24849

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60000.D
Acq On : 6 Oct 2013 9:30 pm
Operator : krystend
Sample : bs
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 07 09:22:31 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m60000.D\data.ms

(23) iodomethane (M)

7.011min (+0.000) 60.60ug/kg m

response 273549

Ion	Exp%	Act%
142.00	100	100
127.00	41.40	39.76
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC24849

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
10/08/13 10:29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60023.D
Acq On : 7 Oct 2013 9:46 am
Operator : krystend
Sample : bs1
Misc : MS30133,MSM2080,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 07 10:13:23 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	83358	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	225851	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	363628	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	155003	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.071	152	190065	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	108218	40.70	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 81.40%			
59) toluene-d8 (s)		12.043	98	388421	40.54	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 81.08%			
81) bromofluorobenzene (s)		14.738	95	141931	40.91	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 81.82%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.937	59	137275	483.97	ug/kg	87
3) Ethanol		5.657	45	125073	4613.02	ug/kg	98
5) dichlorodifluoromethane		4.431	85	166973	56.02	ug/kg	99
6) chloromethane		4.694	50	299965	61.73	ug/kg	95
7) vinyl chloride		4.963	62	236202	48.95	ug/kg	99
8) bromomethane	...	5.502	96	133607	57.37	ug/kg	99
9) chloroethane		5.670	64	97117m	59.04	ug/kg	
10) ethyl ether		6.580	59	116788	56.30	ug/kg	97
11) acetonitrile		6.573	41	36191	55.50	ug/kg	95
12) trichlorofluoromethane		6.331	101	238974	57.40	ug/kg	99
13) freon-113		7.146	101	132212	60.16	ug/kg	88
14) acrolein		6.324	56	129737	275.24	ug/kg	99
15) 1,1-dichloroethene		6.950	96	146812	57.77	ug/kg	95
16) acetone		6.486	58	13642	52.87	ug/kg#	70
17) Methyl Acetate		7.132	43	138256	35.58	ug/kg	94
18) methylene chloride		7.105	84	162684	59.36	ug/kg	94
19) methyl tert butyl ether		7.907	73	300742	53.11	ug/kg	92
20) acrylonitrile		7.004	53	59323	55.46	ug/kg	94
21) allyl chloride		7.193	41	276876	55.19	ug/kg	91
22) trans-1,2-dichloroethene		7.813	96	158144	57.42	ug/kg	99
23) iodomethane		7.011	142	300887	57.83	ug/kg	97
24) carbon disulfide		7.388	76	461415	58.57	ug/kg	99
25) propionitrile		8.156	54	20209	50.29	ug/kg	100
26) vinyl acetate		8.170	43	343746	52.35	ug/kg	100
27) chloroprene		8.446	53	270049	61.53	ug/kg	95
28) di-isopropyl ether		8.480	45	576180	52.79	ug/kg	93
29) methacrylonitrile		8.601	41	87691	51.73	ug/kg	97
30) 2-butanone		8.500	72	15431	53.91	ug/kg#	1
31) 1,1-dichloroethane		8.069	63	276677	61.03	ug/kg	100
32) tert-butyl ethyl ether		8.884	59	408121	54.45	ug/kg	99
33) isobutyl alcohol		8.884	43	104976	264.25	ug/kg	83
34) 2,2-dichloropropane		8.951	77	175712	62.49	ug/kg	97
35) cis-1,2-dichloroethene		8.655	96	173610	54.91	ug/kg	99
36) ethyl acetate		8.884	43	104908	52.92	ug/kg	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60023.D
Acq On : 7 Oct 2013 9:46 am
Operator : krystend
Sample : bs1
Misc : MS30133,MSM2080,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 07 10:13:23 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	92924	60.19	ug/kg	90
38) chloroform	8.864	83	269833	60.35	ug/kg	98
40) Tetrahydrofuran	9.194	42	49911	47.72	ug/kg	97
41) 1,1,1-trichloroethane	9.631	97	234481	62.01	ug/kg	97
43) Cyclohexane	9.914	56	258815	52.39	ug/kg	86
44) carbon tetrachloride	10.002	117	238214	60.27	ug/kg	98
45) 1,1-dichloropropene	9.800	75	195292	55.65	ug/kg	97
46) benzene	10.029	78	598384	53.09	ug/kg	99
47) 1,2-dichloroethane	9.524	62	200721	53.55	ug/kg	97
48) tert-amyl methyl ether	10.150	73	300322	51.79	ug/kg	99
49) heptane	10.507	43	275427	53.52	ug/kg	96
50) trichloroethene	10.655	95	167607	53.59	ug/kg	90
51) 1,2-dichloropropane	10.622	63	163260	52.33	ug/kg	99
52) dibromomethane	10.595	93	98124	59.33	ug/kg	93
53) bromodichloromethane	10.709	83	209671	54.76	ug/kg	99
54) Methylcyclohexane	11.181	83	264475	56.61	ug/kg	94
55) 2-chloroethyl vinyl ether	11.087	63	58092	52.37	ug/kg	98
56) methyl methacrylate	10.804	69	85126	51.95	ug/kg	96
57) 1,4-dioxane	10.810	88	6397	251.63	ug/kg	90
58) cis-1,3-dichloropropene	11.336	75	232011	52.99	ug/kg	92
60) 4-methyl-2-pentanone	11.423	43	168893	50.53	ug/kg	100
61) toluene	12.110	92	396864	55.75	ug/kg	98
62) trans-1,3-dichloropropene	11.753	75	205834	55.86	ug/kg	87
63) 1,1,2-trichloroethane	11.929	83	108230	52.79	ug/kg	96
64) ethyl methacrylate	12.124	69	168238	48.44	ug/kg	91
66) tetrachloroethene	12.858	166	181485	55.96	ug/kg	97
67) 1,3-dichloropropane	12.164	76	203332	50.48	ug/kg	99
68) dibromochloromethane	12.461	129	192730	52.83	ug/kg	99
69) 1,2-dibromoethane	12.710	107	146270	51.41	ug/kg	99
70) 2-hexanone	12.279	43	115719	47.19	ug/kg	99
71) chlorobenzene	13.545	112	484651	52.02	ug/kg	94
72) 1,1,1,2-tetrachloroethane	13.458	131	182170	50.19	ug/kg	99
73) ethylbenzene	13.714	91	753461	53.64	ug/kg	96
74) m,p-xylene	13.896	106	643181	107.46	ug/kg	94
75) o-xylene	14.313	106	322417	52.22	ug/kg	89
76) styrene	14.239	104	476684	52.12	ug/kg	97
77) bromoform	14.071	173	123453	53.47	ug/kg	100
78) trans-1,4-dichloro-2-b...	14.461	53	58187	51.16	ug/kg	96
80) isopropylbenzene	14.677	105	828264	53.56	ug/kg	95
82) bromobenzene	14.967	156	223616	54.30	ug/kg	86
83) 1,1,2,2-tetrachloroethane	14.320	83	186655	50.65	ug/kg	98
84) 1,2,3-trichloropropane	14.468	75	193090	51.59	ug/kg	99
85) n-propylbenzene	15.122	91	899588	54.08	ug/kg	94
86) 2-chlorotoluene	15.243	91	526869	52.26	ug/kg	92
87) 4-chlorotoluene	15.317	91	542217	55.15	ug/kg	90
88) 1,3,5-trimethylbenzene	15.398	105	702674	55.20	ug/kg	94
89) tert-butylbenzene	15.701	91	371499	52.43	ug/kg	89
90) 1,2,4-trimethylbenzene	15.809	105	697717	55.75	ug/kg	96
91) sec-butylbenzene	15.923	105	945519	54.04	ug/kg	97
92) 1,3-dichlorobenzene	16.031	146	439716	55.18	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60023.D
Acq On : 7 Oct 2013 9:46 am
Operator : krystend
Sample : bs1
Misc : MS30133,MSM2080,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 07 10:13:23 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

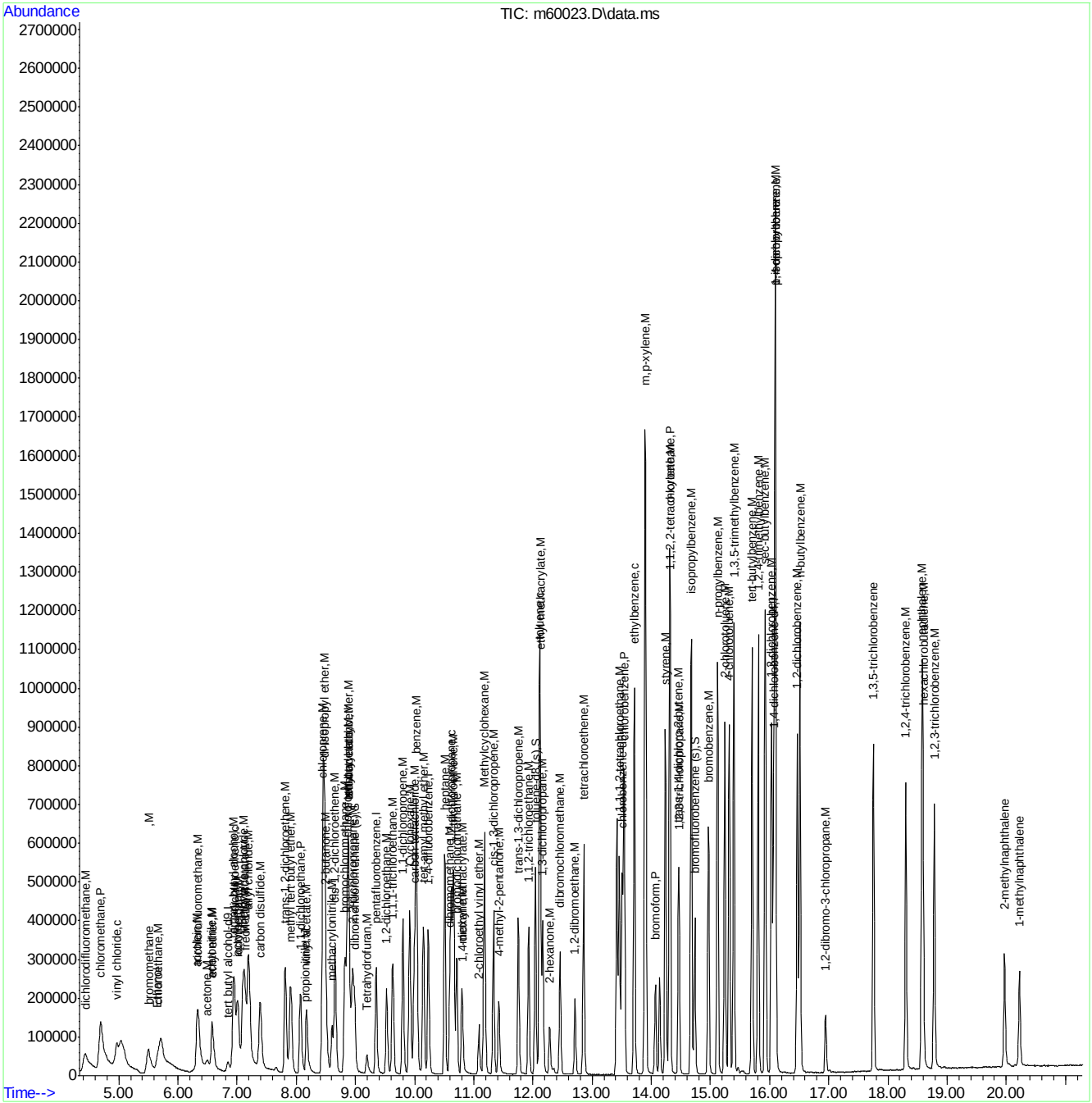
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.098	119	822131	59.09	ug/kg	96
94)	1,4-dichlorobenzene	16.098	146	471455	58.46	ug/kg	97
95)	1,2-dichlorobenzene	16.469	146	426830	53.18	ug/kg	97
96)	n-butylbenzene	16.516	91	706260	59.24	ug/kg	92
97)	1,2-dibromo-3-chloropr...	16.947	75	33507	44.96	ug/kg	80
98)	1,3,5-trichlorobenzene	17.756	180	284205	55.35	ug/kg	99
99)	1,2,4-trichlorobenzene	18.301	180	261119	53.20	ug/kg	99
100)	hexachlorobutadiene	18.598	225	137818	48.47	ug/kg	96
101)	naphthalene	18.577	128	709790	48.85	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	249712	49.44	ug/kg	95
103)	2-methylnaphthalene	19.972	142	187095	24.88	ug/kg	99
104)	1-methylnaphthalene	20.221	TIC	584768	23.78	ug/kg	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60023.D
Acq On : 7 Oct 2013 9:46 am
Operator : krystend
Sample : bs1
Misc : MS30133,MSM2080,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 07 10:13:23 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

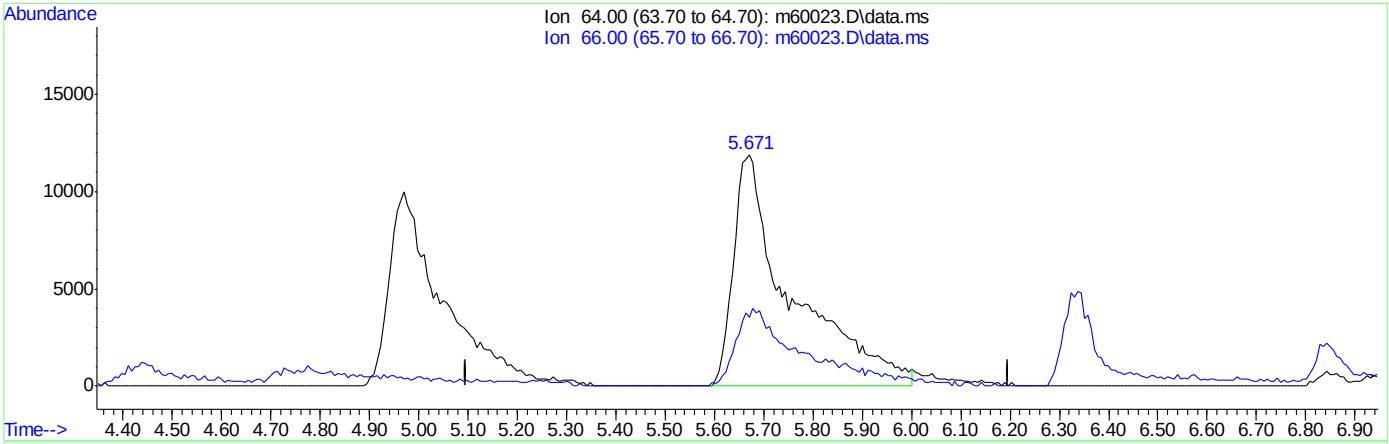


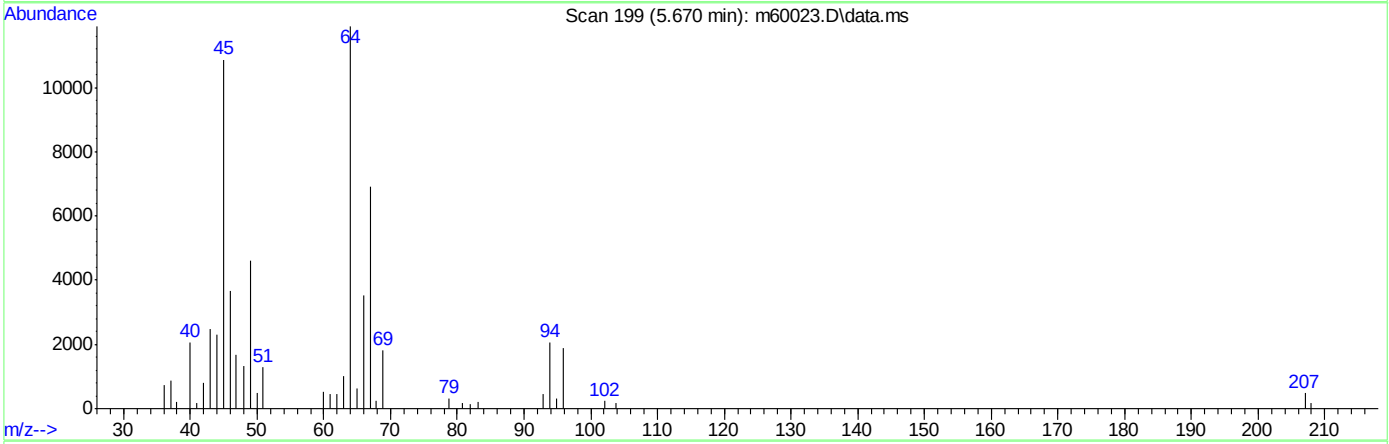
ACCUTEST LABORATORIES MC24849

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60023.D
Acq On : 7 Oct 2013 9:46 am
Operator : krystend
Sample : bs
Misc : MS30133,MSM2081,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 07 10:13:05 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m60023.D\data.ms

(9) chloroethane (M)

5.670min (-0.006) 59.04ug/kg m

response 97117

Ion	Exp%	Act%
64.00	100	100
66.00	31.60	29.60
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
10/08/13 10:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60010.D
Acq On : 7 Oct 2013 2:24 am
Operator : krystend
Sample : mc24849-5ms
Misc : MS30132,MSM2080,5.612,,,5,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Oct 07 09:38:26 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	153132	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	235405	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	380649	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	173011	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.071	152	219418	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	113632	41.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 82.00%			
59) toluene-d8 (s)		12.043	98	413929	41.27	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 82.54%			
81) bromofluorobenzene (s)		14.738	95	164465	41.06	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 82.12%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	183802	332.93	ug/kg	99
3) Ethanol		5.671	45	133912	2759.19	ug/kg	98
5) dichlorodifluoromethane		4.438	85	176792	56.90	ug/kg	97
6) chloromethane		4.707	50	288468	56.96	ug/kg	100
7) vinyl chloride		4.970	62	228955	45.52	ug/kg	99
8) bromomethane	...	5.509	96	126860	52.26	ug/kg	94
9) chloroethane		5.677	64	99028m	57.76	ug/kg	
10) ethyl ether		6.573	59	109777	50.78	ug/kg	94
11) acetonitrile		6.580	41	30725	45.20	ug/kg	90
12) trichlorofluoromethane		6.337	101	243067	56.01	ug/kg	98
13) freon-113		7.146	101	138053	60.27	ug/kg	86
14) acrolein		6.331	56	80203	163.25	ug/kg	98
15) 1,1-dichloroethene		6.950	96	147127	55.55	ug/kg	94
16) acetone		6.465	58	19980m	74.66	ug/kg	
17) Methyl Acetate		7.132	43	136126	33.61	ug/kg	95
18) methylene chloride		7.105	84	144590	50.62	ug/kg	93
19) methyl tert butyl ether		7.907	73	297729	50.45	ug/kg	92
20) acrylonitrile		7.004	53	63860	57.28	ug/kg	97
21) allyl chloride		7.200	41	213973	40.92	ug/kg	93
22) trans-1,2-dichloroethene		7.813	96	146827	51.15	ug/kg	99
23) iodomethane		7.011	142	284692	52.50	ug/kg	97
24) carbon disulfide		7.395	76	432215	52.63	ug/kg	99
25) propionitrile		8.102	54	23823	56.52	ug/kg	100
26) vinyl acetate		8.176	43	294323	43.85	ug/kg	100
27) chloroprene		8.446	53	253202	55.35	ug/kg	94
28) di-isopropyl ether		8.486	45	522403	45.92	ug/kg	95
29) methacrylonitrile		8.601	41	94645	53.56	ug/kg	97
30) 2-butanone		8.493	72	18317	60.52	ug/kg#	1
31) 1,1-dichloroethane		8.075	63	259992	55.02	ug/kg	99
32) tert-butyl ethyl ether		8.884	59	383455	49.09	ug/kg	98
33) isobutyl alcohol		8.891	43	112084	270.69	ug/kg	81
34) 2,2-dichloropropane		8.951	77	164078	55.99	ug/kg	99
35) cis-1,2-dichloroethene		8.655	96	158887	48.22	ug/kg	98
36) ethyl acetate		8.891	43	112049	54.23	ug/kg	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60010.D
Acq On : 7 Oct 2013 2:24 am
Operator : krystend
Sample : mc24849-5ms
Misc : MS30132,MSM2080,5.612,,,5,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Oct 07 09:38:26 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	89244	55.46	ug/kg	89
38) chloroform	8.864	83	249052	53.44	ug/kg	97
40) Tetrahydrofuran	9.194	42	56349	51.69	ug/kg	93
41) 1,1,1-trichloroethane	9.632	97	229817	58.31	ug/kg	96
43) Cyclohexane	9.921	56	259832	50.24	ug/kg	89
44) carbon tetrachloride	10.002	117	236732	57.22	ug/kg	100
45) 1,1-dichloropropene	9.807	75	188686	51.36	ug/kg	95
46) benzene	10.029	78	549707	46.59	ug/kg	99
47) 1,2-dichloroethane	9.524	62	181889	46.36	ug/kg	98
48) tert-amyl methyl ether	10.150	73	284755	46.91	ug/kg	98
49) heptane	10.507	43	241306	44.79	ug/kg	95
50) trichloroethene	10.655	95	156100	47.80	ug/kg	90
51) 1,2-dichloropropane	10.622	63	150160	45.98	ug/kg	99
52) dibromomethane	10.602	93	91375	52.77	ug/kg	86
53) bromodichloromethane	10.709	83	188014	46.91	ug/kg	98
54) Methylcyclohexane	11.181	83	257357	52.63	ug/kg	94
55) 2-chloroethyl vinyl ether	11.181	63	2811	2.42	ug/kg#	1
56) methyl methacrylate	10.804	69	91269	53.20	ug/kg	90
57) 1,4-dioxane	10.804	88	7557	284.32	ug/kg	74
58) cis-1,3-dichloropropene	11.336	75	182785	39.88	ug/kg	91
60) 4-methyl-2-pentanone	11.423	43	206028	58.88	ug/kg	99
61) toluene	12.111	92	362674	48.67	ug/kg	98
62) trans-1,3-dichloropropene	11.753	75	160312	41.56	ug/kg	86
63) 1,1,2-trichloroethane	11.929	83	103955	48.44	ug/kg	93
64) ethyl methacrylate	12.124	69	160720	44.74	ug/kg	89
66) tetrachloroethene	12.858	166	181094	50.03	ug/kg	98
67) 1,3-dichloropropane	12.164	76	188303	41.88	ug/kg	97
68) dibromochloromethane	12.461	129	177093	43.49	ug/kg	99
69) 1,2-dibromoethane	12.710	107	138649	43.66	ug/kg	99
70) 2-hexanone	12.279	43	141245	51.60	ug/kg	97
71) chlorobenzene	13.539	112	414492	39.86	ug/kg	95
72) 1,1,1,2-tetrachloroethane	13.464	131	178284	44.01	ug/kg	97
73) ethylbenzene	13.714	91	673815	42.98	ug/kg	96
74) m,p-xylene	13.896	106	555588	83.16	ug/kg	97
75) o-xylene	14.313	106	277914	40.33	ug/kg	91
76) styrene	14.239	104	365090	35.76	ug/kg	96
77) bromoform	14.071	173	122261	47.44	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.461	53	43843	34.53	ug/kg#	59
80) isopropylbenzene	14.677	105	738268	41.36	ug/kg	97
82) bromobenzene	14.967	156	185025	38.92	ug/kg	85
83) 1,1,2,2-tetrachloroethane	14.320	83	190860	44.87	ug/kg	98
84) 1,2,3-trichloropropane	14.461	75	183803	42.54	ug/kg	99
85) n-propylbenzene	15.122	91	739910	38.53	ug/kg	91
86) 2-chlorotoluene	15.243	91	423218	36.37	ug/kg	90
87) 4-chlorotoluene	15.317	91	404334	35.63	ug/kg	88
88) 1,3,5-trimethylbenzene	15.398	105	561974	38.24	ug/kg	94
89) tert-butylbenzene	15.701	91	318072	38.89	ug/kg	86
90) 1,2,4-trimethylbenzene	15.809	105	537813	37.22	ug/kg	95
91) sec-butylbenzene	15.923	105	771076	38.17	ug/kg	95
92) 1,3-dichlorobenzene	16.031	146	302930	32.93	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60010.D
Acq On : 7 Oct 2013 2:24 am
Operator : krystend
Sample : mc24849-5ms
Misc : MS30132,MSM2080,5.612,,,5,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Oct 07 09:38:26 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

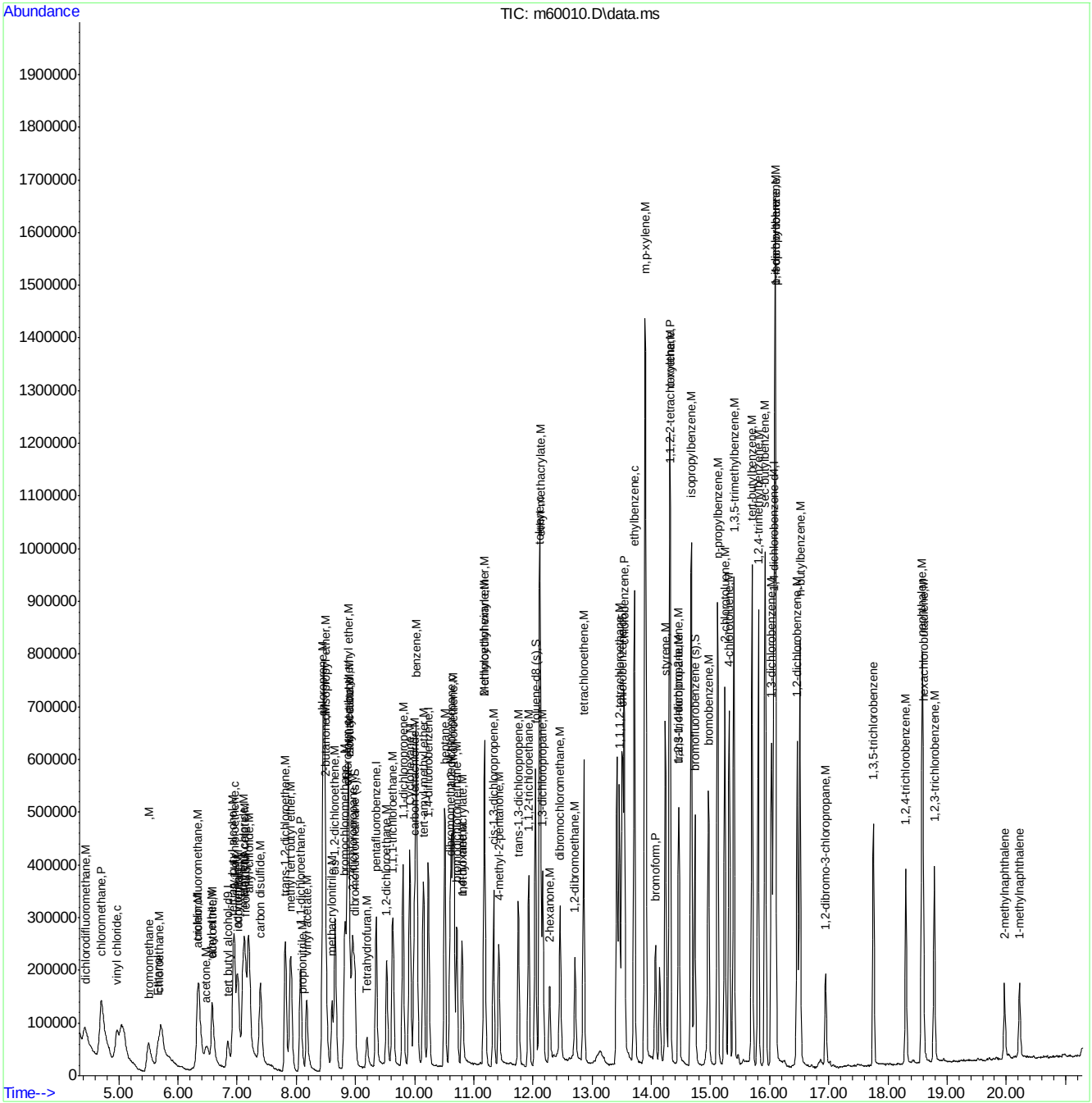
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.098	119	645163	40.17	ug/kg	96
94)	1,4-dichlorobenzene	16.098	146	305637	32.83	ug/kg	97
95)	1,2-dichlorobenzene	16.469	146	304966	32.92	ug/kg	97
96)	n-butylbenzene	16.516	91	495939	36.04	ug/kg	89
97)	1,2-dibromo-3-chloropr...	16.947	75	38887	45.20	ug/kg	72
98)	1,3,5-trichlorobenzene	17.756	180	162494	27.41	ug/kg	99
99)	1,2,4-trichlorobenzene	18.301	180	134159	23.68	ug/kg	97
100)	hexachlorobutadiene	18.598	225	103888	31.65	ug/kg	98
101)	naphthalene	18.577	128	531562	31.69	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	138078	23.68	ug/kg	99
103)	2-methylnaphthalene	19.972	142	91709	10.56	ug/kg	100
104)	1-methylnaphthalene	20.221	TIC	354603	12.49	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60010.D
Acq On : 7 Oct 2013 2:24 am
Operator : krystend
Sample : mc24849-5ms
Misc : MS30132,MSM2080,5.612,,,5,1
ALS Vial : 38 Sample Multiplier: 1

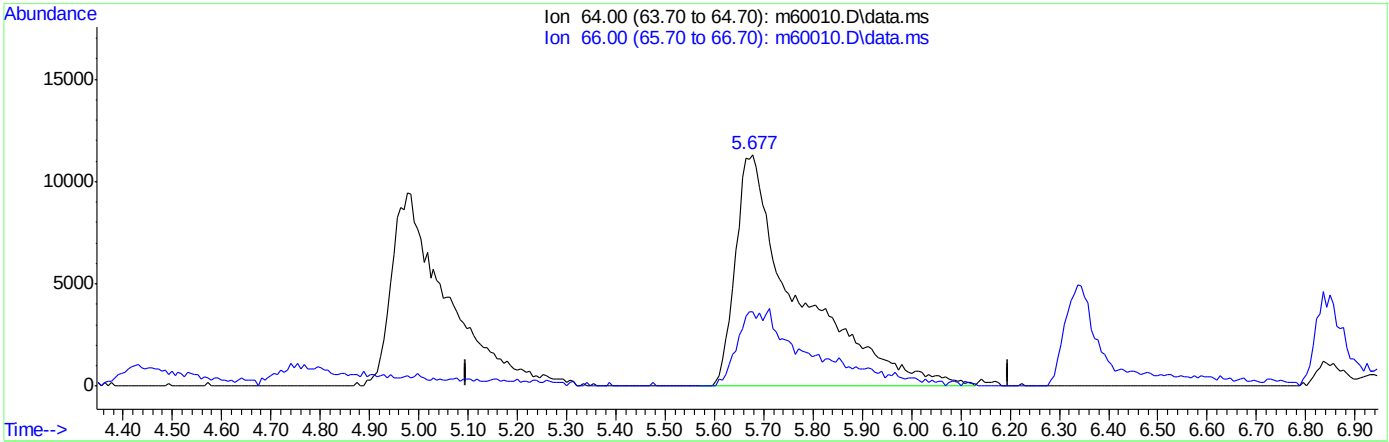
Quant Time: Oct 07 09:38:26 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

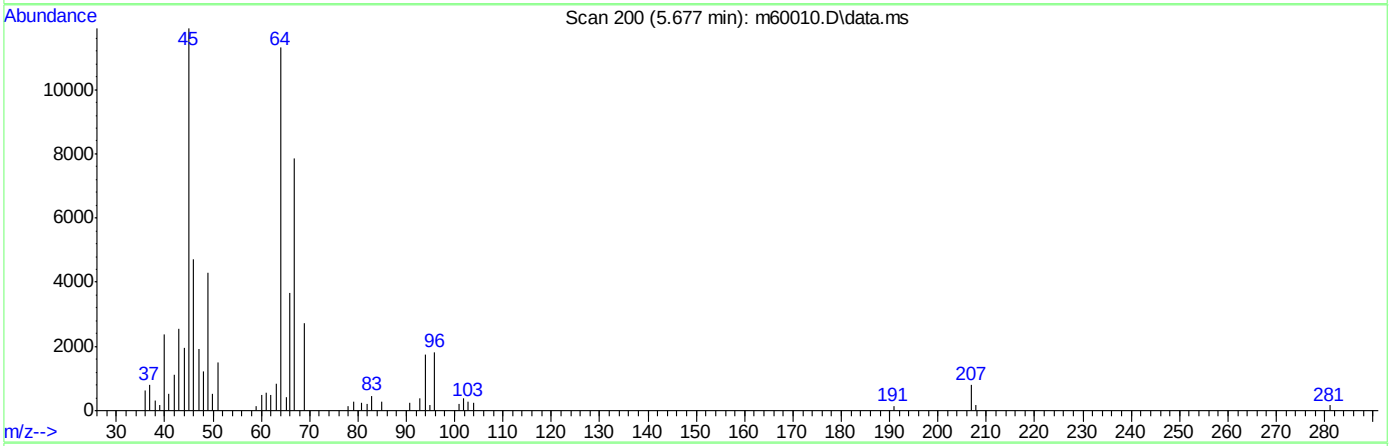


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60010.D
Acq On : 7 Oct 2013 2:24 am
Operator : krystend
Sample : mc24849-5ms
Misc : MS30132,MSM2080,5.612,,,5,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Oct 07 09:38:03 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m60010.D\data.ms

(9) chloroethane (M)

5.677min (+0.000) 57.76ug/kg m

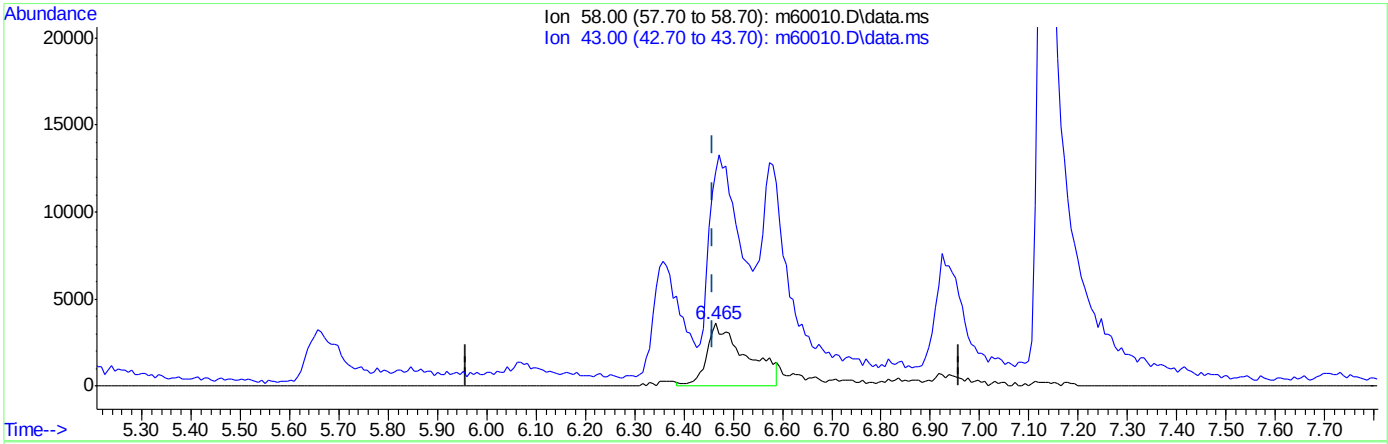
response 99028

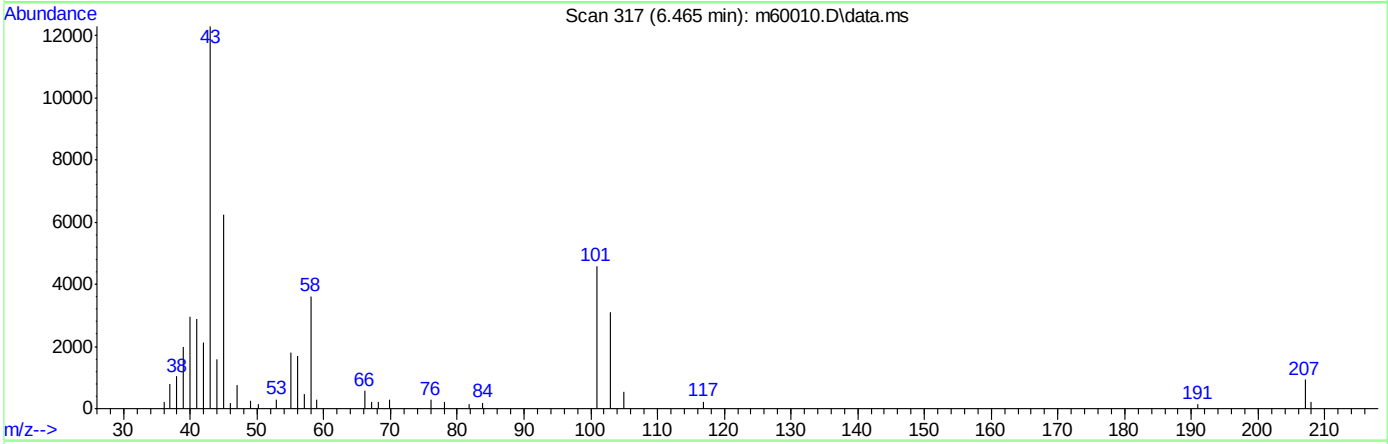
Ion	Exp%	Act%
64.00	100	100
66.00	31.60	32.32
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m60010.D
Acq On : 7 Oct 2013 2:24 am
Operator : krystend
Sample : mc24849-5ms
Misc : MS30132,MSM2080,5.612,,,5,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Oct 07 09:38:03 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m60010.D\data.ms

(16) acetone (M)

6.465min (+0.006) 74.66ug/kg m

response 19980

Ion	Exp%	Act%
58.00	100	100
43.00	380.40	340.07#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
10/08/13 10:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60032.D
Acq On : 7 Oct 2013 2:12 pm
Operator : krystend
Sample : mc24849-5msd
Misc : MS30132,MSM2080,5.991,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 07 16:46:39 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	148397	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	220991	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	351369	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	154011	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	187572	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	108532	41.72	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 83.44%			
59) toluene-d8 (s)		12.043	98	382788	41.35	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 82.70%			
81) bromofluorobenzene (s)		14.731	95	141901	41.44	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 82.88%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	298887	608.21	ug/kg	96
3) Ethanol		5.664	45	185760	3876.59	ug/kg	100
5) dichlorodifluoromethane		4.424	85	156183	53.55	ug/kg	99
6) chloromethane		4.701	50	275267	57.90	ug/kg	97
7) vinyl chloride		4.970	62	217209	46.00	ug/kg	94
8) bromomethane	...	5.495	96	116689	51.20	ug/kg	97
9) chloroethane		5.664	64	90759m	56.39	ug/kg	
10) ethyl ether		6.580	59	109483	53.94	ug/kg	96
11) acetonitrile		6.580	41	35782	56.08	ug/kg	89
12) trichlorofluoromethane		6.338	101	217634	53.42	ug/kg	99
13) freon-113		7.139	101	123364	57.37	ug/kg	93
14) acrolein		6.331	56	120696	261.69	ug/kg	99
15) 1,1-dichloroethene		6.951	96	131799	53.00	ug/kg	89
16) acetone		6.472	58	16465m	65.43	ug/kg	
17) Methyl Acetate		7.132	43	145458	38.26	ug/kg	89
18) methylene chloride		7.105	84	137092	51.12	ug/kg	96
19) methyl tert butyl ether		7.907	73	286615	51.73	ug/kg	94
20) acrylonitrile		6.998	53	69821	66.71	ug/kg	94
21) allyl chloride		7.200	41	232088	47.28	ug/kg	93
22) trans-1,2-dichloroethene		7.813	96	133266	49.45	ug/kg	98
23) iodomethane		7.011	142	253279	49.75	ug/kg	95
24) carbon disulfide		7.395	76	411890	53.43	ug/kg	99
25) propionitrile		8.096	54	27878	69.80	ug/kg	100
26) vinyl acetate		8.170	43	331763	51.70	ug/kg	99
27) chloroprene		8.446	53	234394	54.58	ug/kg	95
28) di-isopropyl ether		8.486	45	498114	46.64	ug/kg	98
29) methacrylonitrile		8.601	41	105429	63.56	ug/kg	95
30) 2-butanone		8.500	72	20765	71.77	ug/kg#	93
31) 1,1-dichloroethane		8.069	63	239846	54.07	ug/kg	98
32) tert-butyl ethyl ether		8.884	59	365694	49.87	ug/kg	98
33) isobutyl alcohol		8.904	43	127016	326.76	ug/kg#	66
34) 2,2-dichloropropane		8.951	77	150124	54.57	ug/kg	97
35) cis-1,2-dichloroethene		8.655	96	149277	48.26	ug/kg	99
36) ethyl acetate		8.904	43	127016	65.48	ug/kg	78

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60032.D
Acq On : 7 Oct 2013 2:12 pm
Operator : krystend
Sample : mc24849-5msd
Misc : MS30132,MSM2080,5.991,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 07 16:46:39 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	83494	55.27	ug/kg	95
38) chloroform	8.864	83	234214	53.53	ug/kg	100
40) Tetrahydrofuran	9.194	42	62684	61.25	ug/kg	96
41) 1,1,1-trichloroethane	9.632	97	208856	56.44	ug/kg	99
43) Cyclohexane	9.915	56	228287	47.82	ug/kg	90
44) carbon tetrachloride	10.002	117	212325	55.59	ug/kg	97
45) 1,1-dichloropropene	9.800	75	170214	50.19	ug/kg	95
46) benzene	10.029	78	513197	47.12	ug/kg	100
47) 1,2-dichloroethane	9.524	62	180954	49.96	ug/kg	98
48) tert-amyl methyl ether	10.150	73	275905	49.24	ug/kg	99
49) heptane	10.507	43	207349	41.69	ug/kg	95
50) trichloroethene	10.656	95	146294	48.51	ug/kg	91
51) 1,2-dichloropropane	10.622	63	140860	46.73	ug/kg	99
52) dibromomethane	10.602	93	92052	57.60	ug/kg	95
53) bromodichloromethane	10.709	83	183661	49.64	ug/kg	97
54) Methylcyclohexane	11.181	83	226280	50.13	ug/kg	97
55) 2-chloroethyl vinyl ether	11.181	63	2398	2.24	ug/kg#	1
56) methyl methacrylate	10.804	69	93986	59.35	ug/kg	91
57) 1,4-dioxane	10.810	88	10423	426.18	ug/kg#	67
58) cis-1,3-dichloropropene	11.336	75	194462	45.96	ug/kg	95
60) 4-methyl-2-pentanone	11.423	43	251005	77.71	ug/kg	100
61) toluene	12.117	92	339983	49.42	ug/kg	99
62) trans-1,3-dichloropropene	11.754	75	180590	50.72	ug/kg	89
63) 1,1,2-trichloroethane	11.929	83	107691	54.36	ug/kg	90
64) ethyl methacrylate	12.124	69	177396	52.29	ug/kg	92
66) tetrachloroethene	12.858	166	155305	48.19	ug/kg	98
67) 1,3-dichloropropane	12.164	76	193532	48.36	ug/kg	100
68) dibromochloromethane	12.461	129	183423	50.60	ug/kg	99
69) 1,2-dibromoethane	12.710	107	145946	51.63	ug/kg	100
70) 2-hexanone	12.279	43	171804	70.51	ug/kg	99
71) chlorobenzene	13.539	112	401076	43.32	ug/kg	94
72) 1,1,1,2-tetrachloroethane	13.458	131	166573	46.19	ug/kg	97
73) ethylbenzene	13.714	91	626972	44.93	ug/kg	97
74) m,p-xylene	13.896	106	526386	88.51	ug/kg	94
75) o-xylene	14.313	106	266374	43.42	ug/kg	90
76) styrene	14.239	104	393576	43.31	ug/kg	97
77) bromoform	14.071	173	141780	61.80	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.462	53	70844	62.69	ug/kg	99
80) isopropylbenzene	14.677	105	684003	44.82	ug/kg	97
82) bromobenzene	14.967	156	189156	46.54	ug/kg	86
83) 1,1,2,2-tetrachloroethane	14.320	83	243655	67.00	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	247285	66.95	ug/kg	100
85) n-propylbenzene	15.122	91	709350	43.21	ug/kg	92
86) 2-chlorotoluene	15.243	91	430907	43.31	ug/kg	92
87) 4-chlorotoluene	15.317	91	432866	44.62	ug/kg	92
88) 1,3,5-trimethylbenzene	15.398	105	538595	42.88	ug/kg	95
89) tert-butylbenzene	15.701	91	299842	42.88	ug/kg	88
90) 1,2,4-trimethylbenzene	15.809	105	537477	43.51	ug/kg	96
91) sec-butylbenzene	15.923	105	737062	42.68	ug/kg	96
92) 1,3-dichlorobenzene	16.031	146	341659	43.45	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60032.D
Acq On : 7 Oct 2013 2:12 pm
Operator : krystend
Sample : mc24849-5msd
Misc : MS30132,MSM2080,5.991,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 07 16:46:39 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

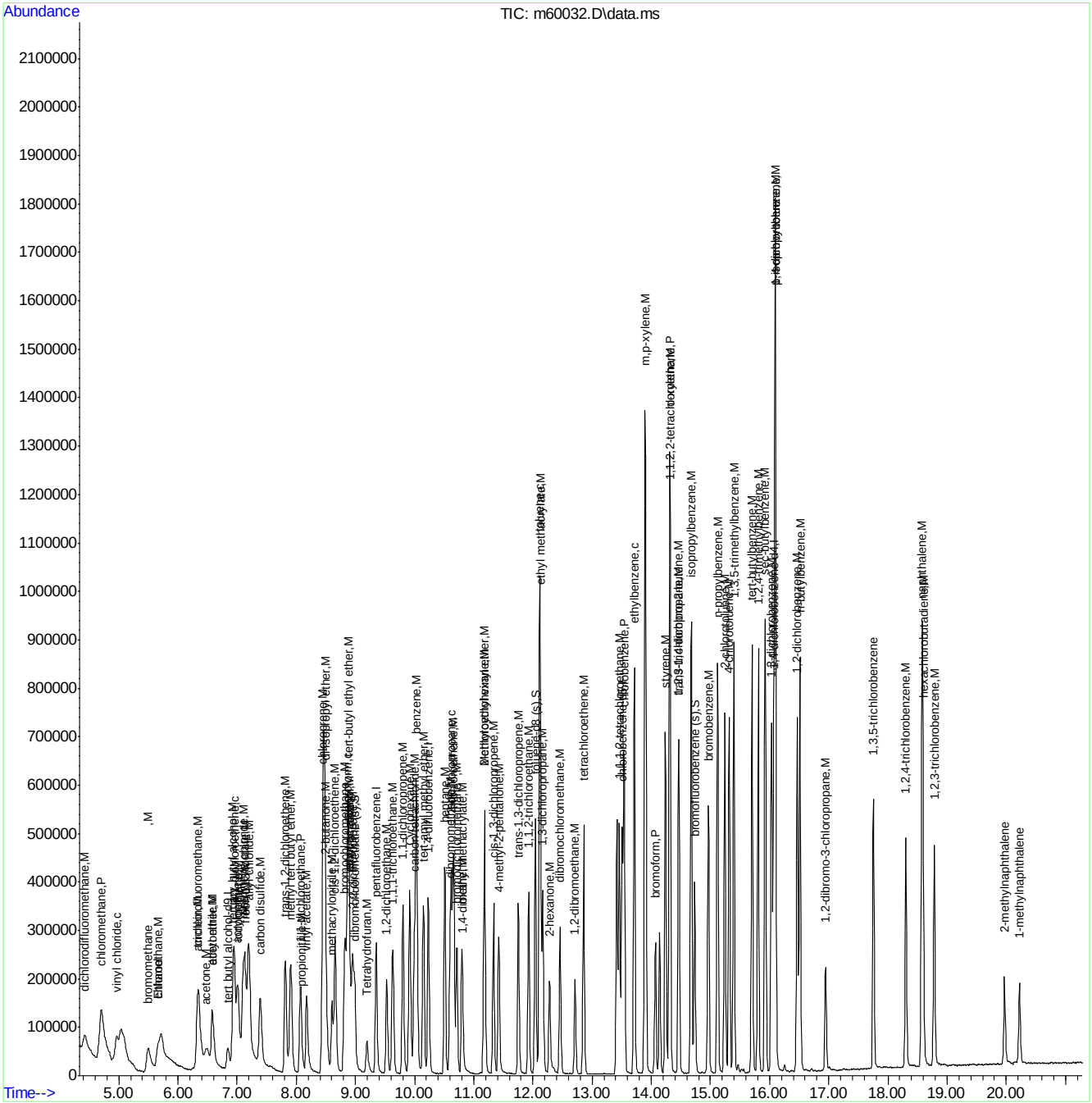
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	644446	46.94	ug/kg	95
94)	1,4-dichlorobenzene	16.099	146	373144	46.89	ug/kg	97
95)	1,2-dichlorobenzene	16.469	146	357767	45.17	ug/kg	97
96)	n-butylbenzene	16.516	91	519995	44.20	ug/kg	91
97)	1,2-dibromo-3-chloropr...	16.947	75	49309	67.04	ug/kg	80
98)	1,3,5-trichlorobenzene	17.756	180	189584	37.41	ug/kg	100
99)	1,2,4-trichlorobenzene	18.301	180	169695	35.03	ug/kg	99
100)	hexachlorobutadiene	18.598	225	108771	38.76	ug/kg	97
101)	naphthalene	18.577	128	644301	44.94	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	165809	33.27	ug/kg	94
103)	2-methylnaphthalene	19.972	142	111110	14.97	ug/kg	98
104)	1-methylnaphthalene	20.221	TIC	362897	14.96	ug/kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60032.D
Acq On : 7 Oct 2013 2:12 pm
Operator : krystend
Sample : mc24849-5msd
Misc : MS30132,MSM2080,5.991,,,5,1
ALS Vial : 11 Sample Multiplier: 1

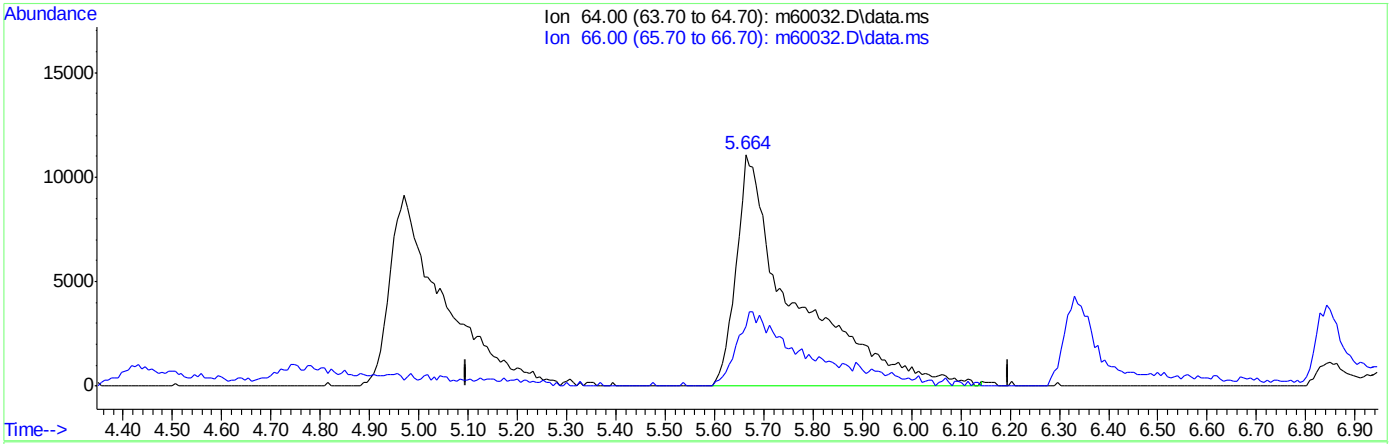
Quant Time: Oct 07 16:46:39 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

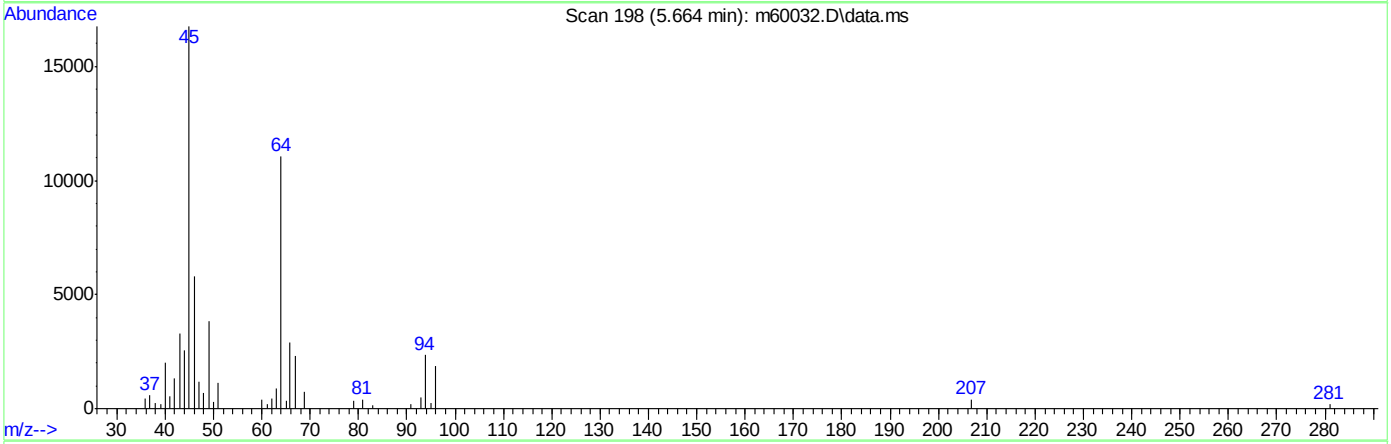


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60032.D
Acq On : 7 Oct 2013 2:12 pm
Operator : krystend
Sample : mc24849-5msd
Misc : MS30132,MSM2080,5.991,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 07 16:46:25 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m60032.D\data.ms

(9) chloroethane (M)

5.664min (-0.013) 56.39ug/kg m

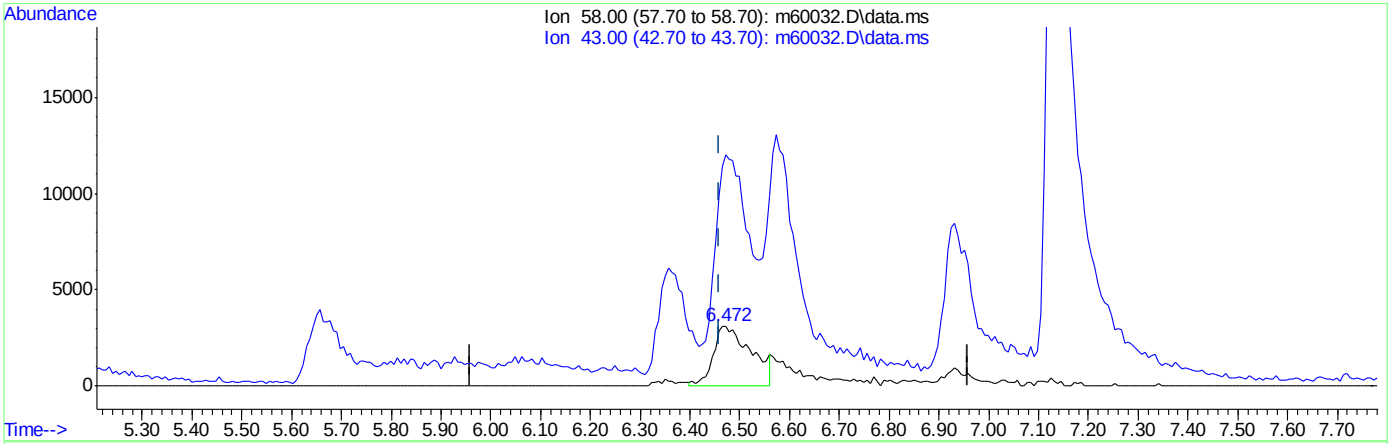
response 90759

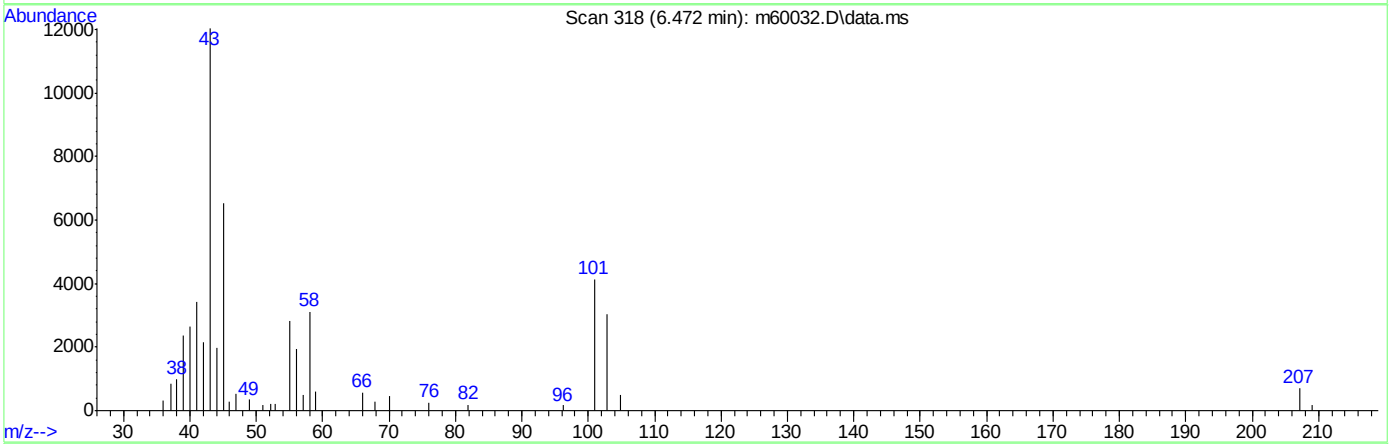
Ion	Exp%	Act%
64.00	100	100
66.00	31.60	26.04
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60032.D
Acq On : 7 Oct 2013 2:12 pm
Operator : krystend
Sample : mc24849-5msd
Misc : MS30132,MSM2080,5.991,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 07 16:46:25 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m60032.D\data.ms

(16) acetone (M)

6.472min (+0.013) 65.43ug/kg m

response 16465

Ion	Exp%	Act%
58.00	100	100
43.00	380.40	387.03
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
10/08/13 10:29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60033.D
Acq On : 7 Oct 2013 2:41 pm
Operator : krystend
Sample : mc24849-1ms
Misc : MS30132,MSM2081,5.433,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 07 16:47:37 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	148964	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	226229	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	358011	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	151130	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	172059	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	109090	40.96	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 81.92%			
59) toluene-d8 (s)	12.043	98	383212	40.62	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 81.24%			
81) bromofluorobenzene (s)	14.738	95	138277	44.02	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 88.04%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	221505	429.90	ug/kg	97
3) Ethanol	5.650	45	135675	2866.70	ug/kg	99
5) dichlorodifluoromethane	4.418	85	134711	45.12	ug/kg	99
6) chloromethane	4.701	50	242977	49.92	ug/kg	99
7) vinyl chloride	4.970	62	189143	39.13	ug/kg	95
8) bromomethane ...	5.496	96	105997	45.44	ug/kg	98
9) chloroethane	5.664	64	79734m	48.39	ug/kg	
10) ethyl ether	6.580	59	93651	45.07	ug/kg	99
11) acetonitrile	6.587	41	27969	42.82	ug/kg	82
12) trichlorofluoromethane	6.331	101	189832	45.52	ug/kg	99
13) freon-113	7.146	101	102933	46.76	ug/kg	90
14) acrolein	6.331	56	73515	155.70	ug/kg	97
15) 1,1-dichloroethene	6.951	96	112554	44.22	ug/kg	97
16) acetone	6.472	58	22045m	85.86	ug/kg	
17) Methyl Acetate	7.132	43	96457	24.78	ug/kg	87
18) methylene chloride	7.106	84	121665	44.32	ug/kg	96
19) methyl tert butyl ether	7.907	73	246083	43.39	ug/kg	95
20) acrylonitrile	7.004	53	55728	52.01	ug/kg	90
21) allyl chloride	7.200	41	204202	40.64	ug/kg	93
22) trans-1,2-dichloroethene	7.813	96	118991	43.13	ug/kg	96
23) iodomethane	7.011	142	221231	42.45	ug/kg	99
24) carbon disulfide	7.395	76	355204	45.01	ug/kg	98
25) propionitrile	8.109	54	20394	50.64	ug/kg	100
26) vinyl acetate	8.177	43	202299	32.71	ug/kg	99
27) chloroprene	8.446	53	175397	39.90	ug/kg	93
28) di-isopropyl ether	8.486	45	429438	39.28	ug/kg	89
29) methacrylonitrile	8.601	41	79832	47.01	ug/kg	94
30) 2-butanone	8.500	72	16047	55.73	ug/kg#	76
31) 1,1-dichloroethane	8.069	63	213297	46.97	ug/kg	99
32) tert-butyl ethyl ether	8.884	59	313198	41.72	ug/kg	97
33) isobutyl alcohol	8.897	43	100389	252.28	ug/kg#	75
34) 2,2-dichloropropane	8.951	77	133052	47.24	ug/kg	99
35) cis-1,2-dichloroethene	8.655	96	125020	39.48	ug/kg	97
36) ethyl acetate	8.897	43	100718	50.72	ug/kg	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60033.D
Acq On : 7 Oct 2013 2:41 pm
Operator : krystend
Sample : mc24849-1ms
Misc : MS30132,MSM2081,5.433,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 07 16:47:37 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	70296	45.45	ug/kg	94
38) chloroform	8.864	83	198886	44.40	ug/kg	99
40) Tetrahydrofuran	9.194	42	53190	50.77	ug/kg	96
41) 1,1,1-trichloroethane	9.632	97	178157	47.03	ug/kg	98
43) Cyclohexane	9.921	56	155672	32.00	ug/kg	87
44) carbon tetrachloride	10.002	117	174124	44.75	ug/kg	99
45) 1,1-dichloropropene	9.807	75	136397	39.48	ug/kg	95
46) benzene	10.029	78	432686	38.99	ug/kg	99
47) 1,2-dichloroethane	9.524	62	152057	41.21	ug/kg	97
48) tert-amyl methyl ether	10.150	73	234237	41.02	ug/kg	97
49) heptane	10.507	43	92816	18.32	ug/kg	94
50) trichloroethene	10.656	95	113579	37.21	ug/kg	89
51) 1,2-dichloropropane	10.622	63	116447	37.91	ug/kg	99
52) dibromomethane	10.602	93	74617	45.82	ug/kg	88
53) bromodichloromethane	10.709	83	150309	39.87	ug/kg	98
54) Methylcyclohexane	11.181	83	109729	23.86	ug/kg	93
56) methyl methacrylate	10.804	69	73482	45.54	ug/kg	97
57) 1,4-dioxane	10.804	88	6854	274.08	ug/kg	96
58) cis-1,3-dichloropropene	11.336	75	156448	36.29	ug/kg	97
60) 4-methyl-2-pentanone	11.424	43	183890	55.88	ug/kg	100
61) toluene	12.117	92	266922	38.08	ug/kg	98
62) trans-1,3-dichloropropene	11.754	75	138441	38.16	ug/kg	89
63) 1,1,2-trichloroethane	11.929	83	80243	39.75	ug/kg	94
64) ethyl methacrylate	12.124	69	137345	41.22	ug/kg	95
66) tetrachloroethene	12.858	166	104982	33.20	ug/kg	99
67) 1,3-dichloropropane	12.165	76	149534	38.08	ug/kg	99
68) dibromochloromethane	12.461	129	137699	38.71	ug/kg	96
69) 1,2-dibromoethane	12.710	107	109214	39.37	ug/kg	100
70) 2-hexanone	12.279	43	130522	54.59	ug/kg	98
71) chlorobenzene	13.539	112	288216	31.73	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.465	131	117934	33.32	ug/kg	99
73) ethylbenzene	13.714	91	419496	30.63	ug/kg	97
74) m,p-xylene	13.896	106	345866	59.27	ug/kg	93
75) o-xylene	14.313	106	173166	28.77	ug/kg	93
76) styrene	14.239	104	219735	24.64	ug/kg	95
77) bromoform	14.071	173	89971	39.96	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.462	53	45493	41.02	ug/kg	96
80) isopropylbenzene	14.677	105	361713	25.84	ug/kg	96
82) bromobenzene	14.967	156	117075	31.40	ug/kg	89
83) 1,1,2,2-tetrachloroethane	14.320	83	149481	44.81	ug/kg	98
84) 1,2,3-trichloropropane	14.468	75	158669	46.83	ug/kg	98
85) n-propylbenzene	15.122	91	350123	23.25	ug/kg	94
86) 2-chlorotoluene	15.243	91	243204	26.65	ug/kg	95
87) 4-chlorotoluene	15.317	91	244620	27.49	ug/kg	91
88) 1,3,5-trimethylbenzene	15.398	105	261972	22.73	ug/kg	94
89) tert-butylbenzene	15.701	91	127756	19.92	ug/kg	96
90) 1,2,4-trimethylbenzene	15.809	105	265620	23.44	ug/kg	99
91) sec-butylbenzene	15.930	105	278103	17.56	ug/kg	96
92) 1,3-dichlorobenzene	16.031	146	167335	23.20	ug/kg	97
93) p-isopropyltoluene	16.099	119	238222	18.91	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60033.D
Acq On : 7 Oct 2013 2:41 pm
Operator : krystend
Sample : mc24849-1ms
Misc : MS30132,MSM2081,5.433,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 07 16:47:37 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

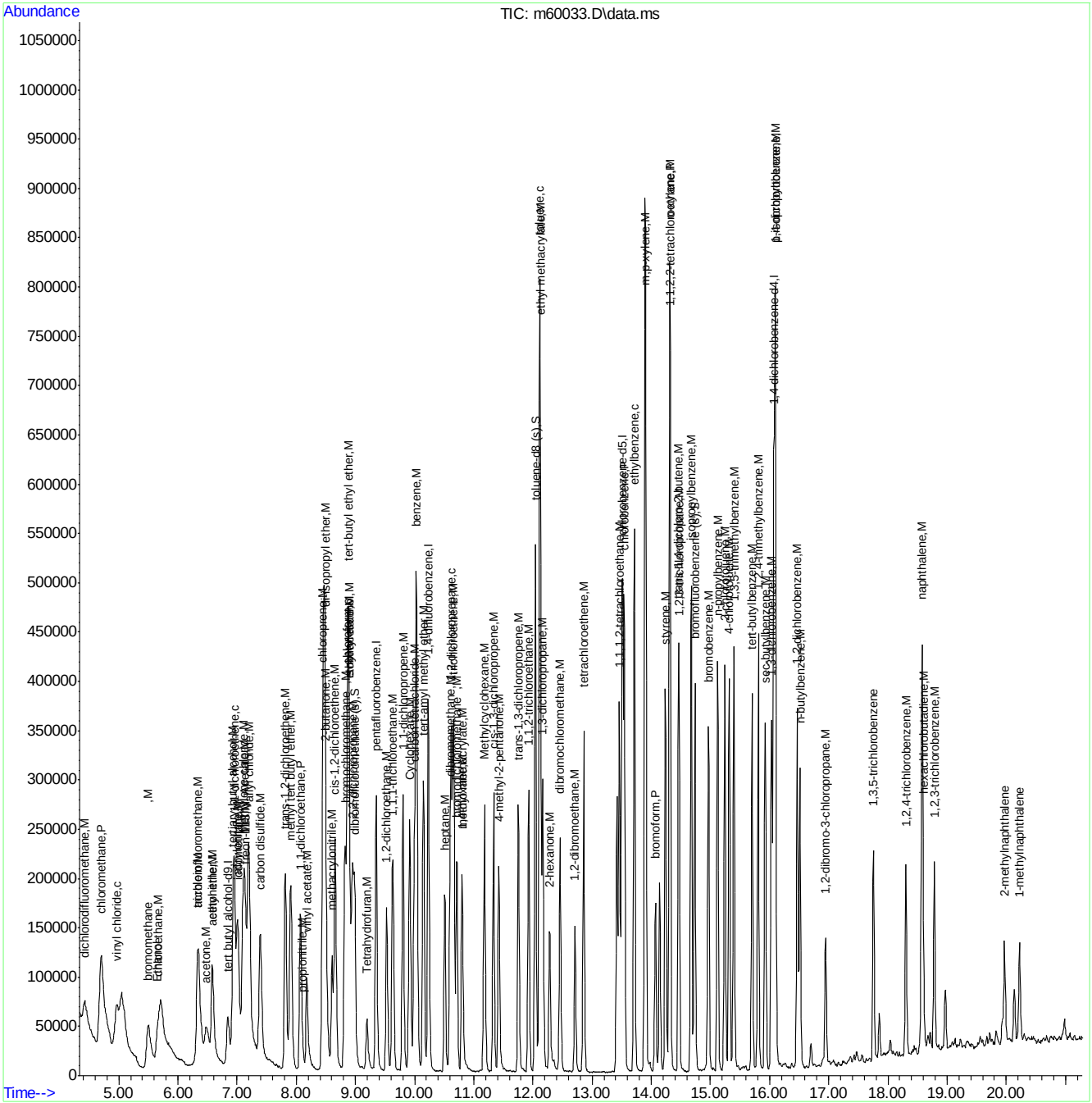
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	1,4-dichlorobenzene	16.099	146	180562	24.73	ug/kg	98
95)	1,2-dichlorobenzene	16.469	146	172945	23.80	ug/kg	99
96)	n-butylbenzene	16.516	91	182983	16.96	ug/kg	95
97)	1,2-dibromo-3-chloropr...	16.947	75	28933	42.88	ug/kg	86
98)	1,3,5-trichlorobenzene	17.756	180	71349	15.35	ug/kg	100
99)	1,2,4-trichlorobenzene	18.308	180	67982	15.30	ug/kg	98
100)	hexachlorobutadiene	18.598	225	26222	10.19	ug/kg	100
101)	naphthalene	18.578	128	335931	25.54	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	68212	14.92	ug/kg	91
103)	2-methylnaphthalene	19.972	142	64891	9.53	ug/kg	95
104)	1-methylnaphthalene	20.228	TIC	215100	9.66	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60033.D
Acq On : 7 Oct 2013 2:41 pm
Operator : krystend
Sample : mc24849-1ms
Misc : MS30132,MSM2081,5.433,,,5,1
ALS Vial : 12 Sample Multiplier: 1

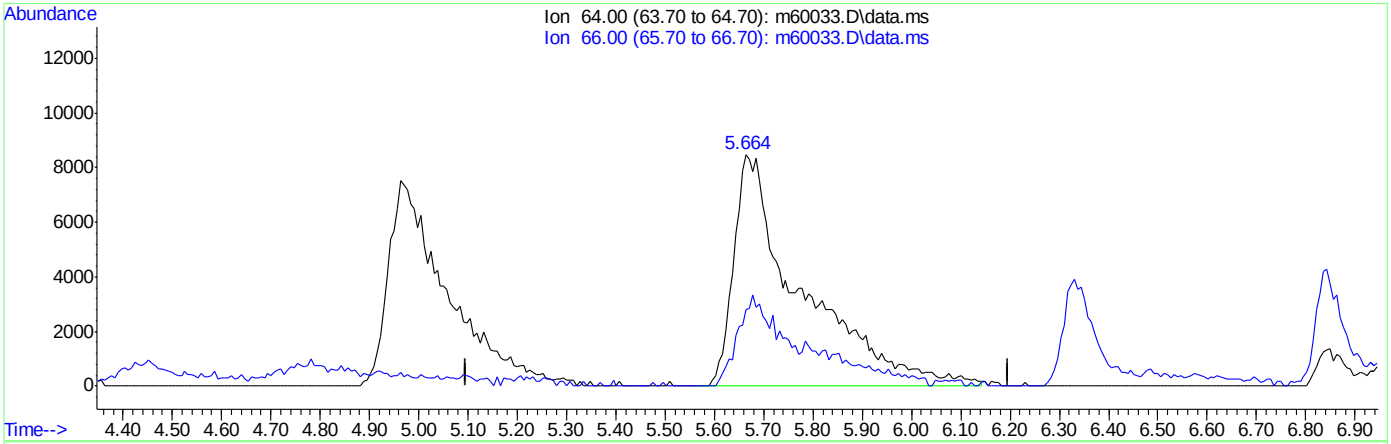
Quant Time: Oct 07 16:47:37 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

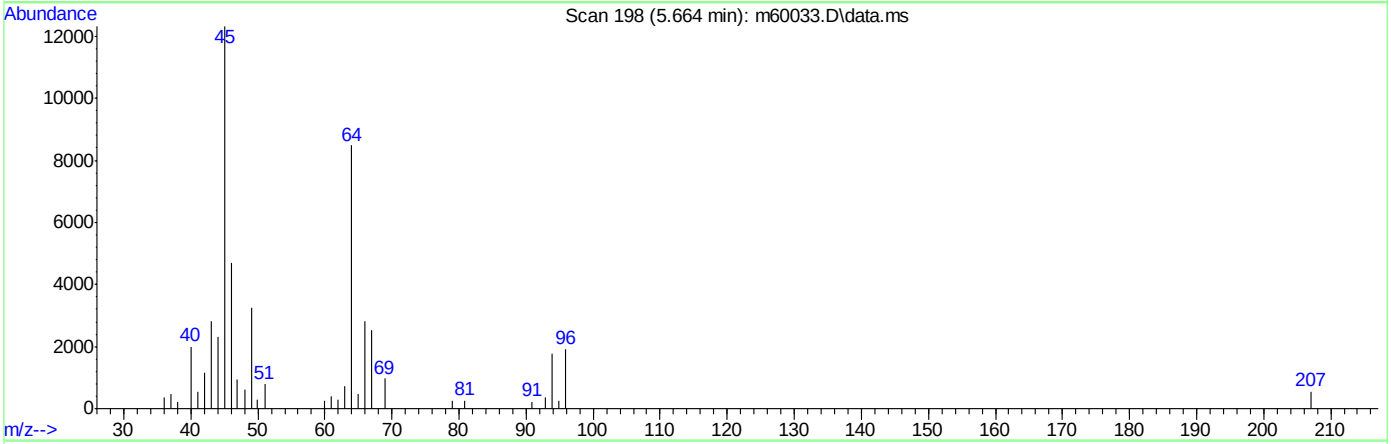


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60033.D
Acq On : 7 Oct 2013 2:41 pm
Operator : krystend
Sample : mc24849-1ms
Misc : MS30132,MSM2081,5.433,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 07 16:46:58 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m60033.D\data.ms

(9) chloroethane (M)

5.664min (-0.013) 48.39ug/kg m

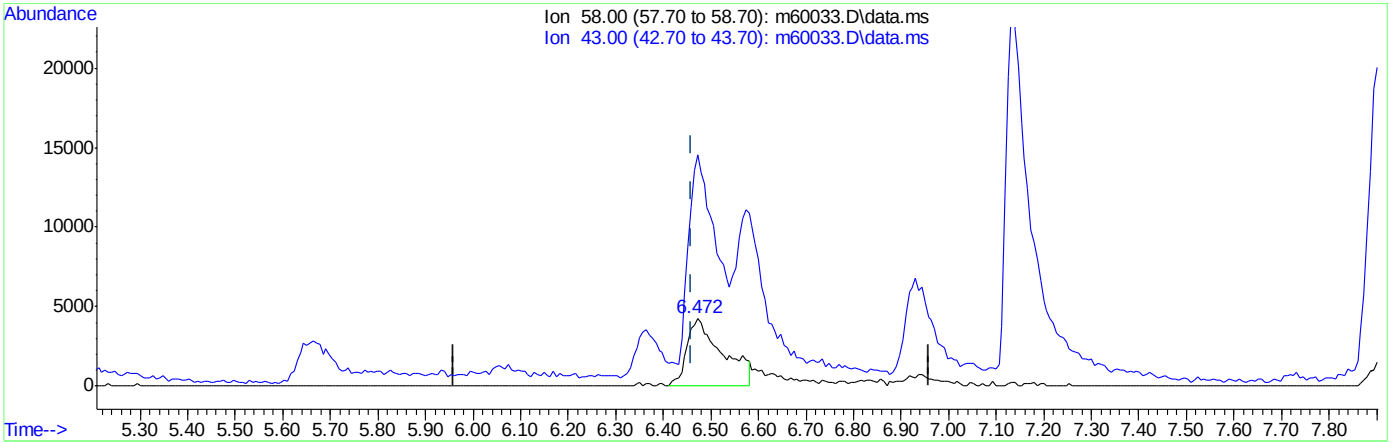
response 79734

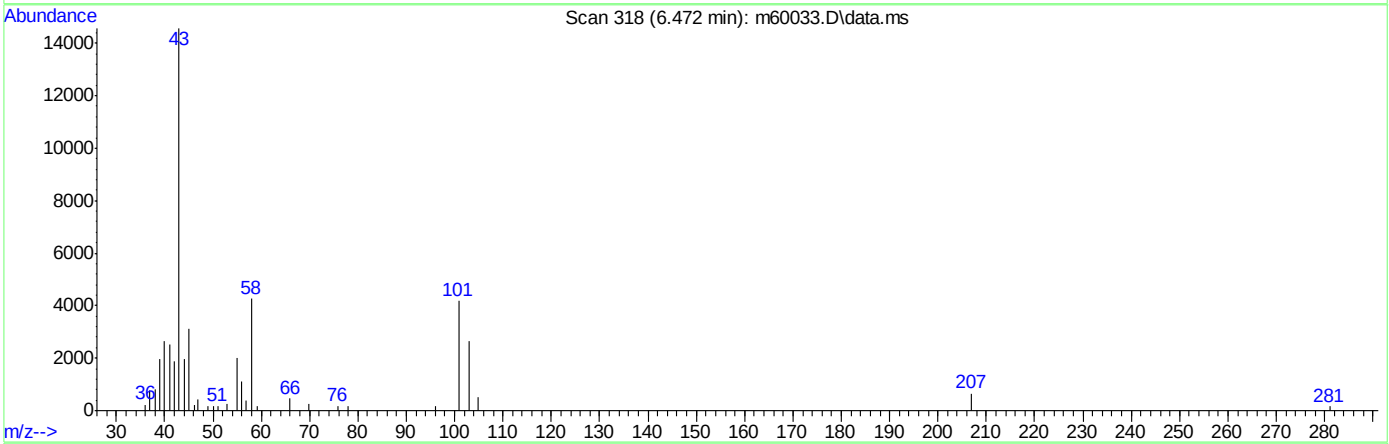
Ion	Exp%	Act%
64.00	100	100
66.00	31.60	33.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60033.D
Acq On : 7 Oct 2013 2:41 pm
Operator : krystend
Sample : mc24849-1ms
Misc : MS30132,MSM2081,5.433,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 07 16:46:58 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m60033.D\data.ms

(16) acetone (M)

6.472min (+0.013) 85.86ug/kg m

response 22045

Ion	Exp%	Act%
58.00	100	100
43.00	380.40	341.87#
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES
MC24849

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
10/08/13 10:29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60034.D
Acq On : 7 Oct 2013 3:11 pm
Operator : krystend
Sample : mc24849-1msd
Misc : MS30132,MSM2081,5.351,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 07 16:48:06 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	153725	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	227242	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	362855	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	155227	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	176704	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	109760	41.03	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 82.06%			
59) toluene-d8 (s)	12.043	98	389630	40.75	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 81.50%			
81) bromofluorobenzene (s)	14.738	95	142762	44.26	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 88.52%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	279605	542.17	ug/kg	97
3) Ethanol	5.664	45	171997	3482.94	ug/kg	97
5) dichlorodifluoromethane	4.431	85	165837	55.29	ug/kg	99
6) chloromethane	4.707	50	279183	57.11	ug/kg	100
7) vinyl chloride	4.970	62	218713	45.05	ug/kg	95
8) bromomethane ...	5.502	96	118508	50.57	ug/kg	97
9) chloroethane	5.671	64	91613m	55.35	ug/kg	
10) ethyl ether	6.580	59	103038	49.37	ug/kg	93
11) acetonitrile	6.580	41	31011	47.26	ug/kg	92
12) trichlorofluoromethane	6.337	101	225876	53.92	ug/kg	93
13) freon-113	7.146	101	117841	53.30	ug/kg	92
14) acrolein	6.331	56	86682	182.77	ug/kg	96
15) 1,1-dichloroethene	6.950	96	131531	51.44	ug/kg	94
16) acetone	6.465	58	21526m	83.44	ug/kg	
17) Methyl Acetate	7.139	43	114515	29.29	ug/kg	86
18) methylene chloride	7.105	84	134043	48.61	ug/kg	94
19) methyl tert butyl ether	7.907	73	279942	49.14	ug/kg	91
20) acrylonitrile	7.004	53	64999	60.40	ug/kg	89
21) allyl chloride	7.200	41	236127	46.78	ug/kg	94
22) trans-1,2-dichloroethene	7.813	96	131455	47.44	ug/kg	97
23) iodomethane	7.011	142	256332	48.97	ug/kg	97
24) carbon disulfide	7.395	76	412338	52.02	ug/kg	99
25) propionitrile	8.102	54	24756	60.64	ug/kg	100
26) vinyl acetate	8.176	43	239875	37.76	ug/kg	99
27) chloroprene	8.446	53	197133	44.64	ug/kg	95
28) di-isopropyl ether	8.486	45	485933	44.25	ug/kg	92
29) methacrylonitrile	8.608	41	95854	56.20	ug/kg	95
30) 2-butanone	8.500	72	19619	66.46	ug/kg#	75
31) 1,1-dichloroethane	8.075	63	241644	52.97	ug/kg	97
32) tert-butyl ethyl ether	8.891	59	356684	47.30	ug/kg	98
33) isobutyl alcohol	8.904	43	123931	310.05	ug/kg#	72
34) 2,2-dichloropropane	8.958	77	149204	52.74	ug/kg	98
35) cis-1,2-dichloroethene	8.655	96	142392	44.76	ug/kg	97
36) ethyl acetate	8.904	43	123887	62.11	ug/kg	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60034.D
Acq On : 7 Oct 2013 3:11 pm
Operator : krystend
Sample : mc24849-1msd
Misc : MS30132,MSM2081,5.351,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 07 16:48:06 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	78888	50.78	ug/kg	89
38) chloroform	8.864	83	226059	50.25	ug/kg	97
40) Tetrahydrofuran	9.194	42	60747	57.73	ug/kg	94
41) 1,1,1-trichloroethane	9.632	97	202585	53.24	ug/kg	99
43) Cyclohexane	9.921	56	160512	32.56	ug/kg	86
44) carbon tetrachloride	10.002	117	193126	48.97	ug/kg	99
45) 1,1-dichloropropene	9.807	75	149104	42.58	ug/kg	94
46) benzene	10.029	78	490124	43.58	ug/kg	100
47) 1,2-dichloroethane	9.524	62	170032	45.46	ug/kg	98
48) tert-amyl methyl ether	10.150	73	263010	45.45	ug/kg	97
49) heptane	10.514	43	93444	18.19	ug/kg	95
50) trichloroethene	10.655	95	125993	40.63	ug/kg	92
51) 1,2-dichloropropane	10.622	63	134558	43.22	ug/kg	100
52) dibromomethane	10.602	93	84105	50.96	ug/kg	93
53) bromodichloromethane	10.716	83	169930	44.47	ug/kg	96
54) Methylcyclohexane	11.181	83	113709	24.39	ug/kg	95
56) methyl methacrylate	10.804	69	87944	53.78	ug/kg	96
57) 1,4-dioxane	10.810	88	9111	360.32	ug/kg	76
58) cis-1,3-dichloropropene	11.336	75	176254	40.34	ug/kg	96
60) 4-methyl-2-pentanone	11.423	43	216699	64.97	ug/kg	99
61) toluene	12.117	92	295542	41.60	ug/kg	98
62) trans-1,3-dichloropropene	11.754	75	157203	42.75	ug/kg	91
63) 1,1,2-trichloroethane	11.929	83	93723	45.81	ug/kg	93
64) ethyl methacrylate	12.124	69	159263	46.27	ug/kg	91
66) tetrachloroethene	12.858	166	108759	33.49	ug/kg	98
67) 1,3-dichloropropane	12.164	76	170731	42.33	ug/kg	99
68) dibromochloromethane	12.461	129	158719	43.45	ug/kg	97
69) 1,2-dibromoethane	12.710	107	124361	43.65	ug/kg	99
70) 2-hexanone	12.279	43	162875	66.32	ug/kg	96
71) chlorobenzene	13.545	112	320008	34.30	ug/kg	95
72) 1,1,1,2-tetrachloroethane	13.458	131	136449	37.54	ug/kg	97
73) ethylbenzene	13.714	91	449832	31.98	ug/kg	95
74) m,p-xylene	13.896	106	373587	62.33	ug/kg	95
75) o-xylene	14.313	106	190497	30.81	ug/kg	92
76) styrene	14.239	104	253835	27.71	ug/kg	95
77) bromoform	14.071	173	106346	45.99	ug/kg	96
78) trans-1,4-dichloro-2-b...	14.462	53	52999	46.53	ug/kg	96
80) isopropylbenzene	14.677	105	390059	27.13	ug/kg	97
82) bromobenzene	14.967	156	130443	34.07	ug/kg	88
83) 1,1,2,2-tetrachloroethane	14.320	83	178092	51.99	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	185848	53.41	ug/kg	99
85) n-propylbenzene	15.122	91	379004	24.51	ug/kg	94
86) 2-chlorotoluene	15.243	91	261343	27.88	ug/kg	92
87) 4-chlorotoluene	15.317	91	262221	28.69	ug/kg	92
88) 1,3,5-trimethylbenzene	15.398	105	289680	24.48	ug/kg	95
89) tert-butylbenzene	15.701	91	144819	21.99	ug/kg	91
90) 1,2,4-trimethylbenzene	15.809	105	294626	25.32	ug/kg	97
91) sec-butylbenzene	15.930	105	323331	19.88	ug/kg	96
92) 1,3-dichlorobenzene	16.031	146	181933	24.56	ug/kg	97
93) p-isopropyltoluene	16.098	119	279257	21.59	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60034.D
Acq On : 7 Oct 2013 3:11 pm
Operator : krystend
Sample : mc24849-1msd
Misc : MS30132,MSM2081,5.351,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 07 16:48:06 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

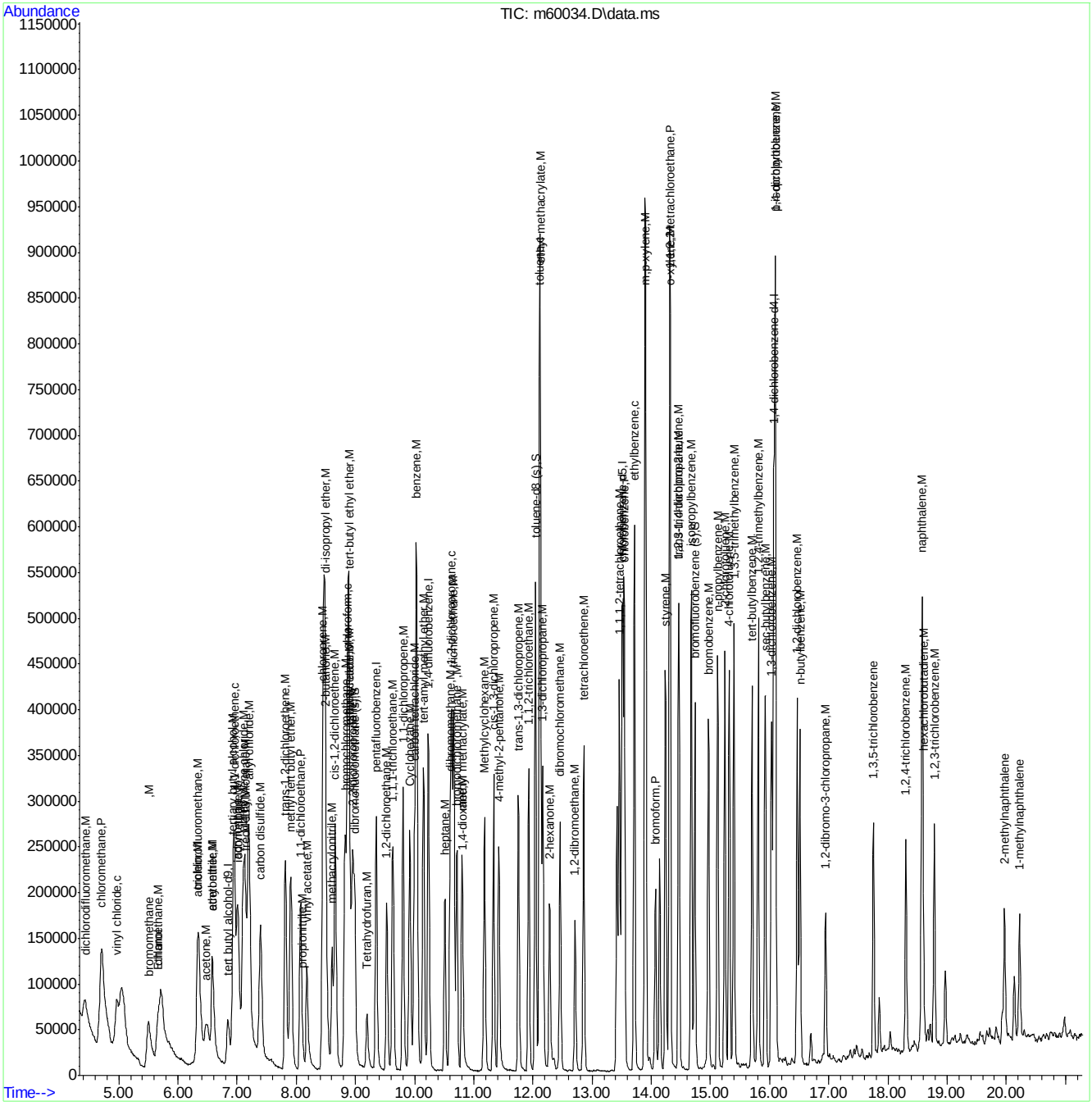
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	1,4-dichlorobenzene	16.098	146	198326	26.45	ug/kg	97
95)	1,2-dichlorobenzene	16.469	146	191263	25.63	ug/kg	97
96)	n-butylbenzene	16.516	91	222214	20.05	ug/kg	92
97)	1,2-dibromo-3-chloropr...	16.947	75	36017	51.98	ug/kg	83
98)	1,3,5-trichlorobenzene	17.756	180	86138	18.04	ug/kg	100
99)	1,2,4-trichlorobenzene	18.301	180	81945	17.96	ug/kg	97
100)	hexachlorobutadiene	18.598	225	34789	13.16	ug/kg	100
101)	naphthalene	18.577	128	407071	30.14	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	87563	18.65	ug/kg	92
103)	2-methylnaphthalene	19.972	142	88767	12.70	ug/kg	99
104)	1-methylnaphthalene	20.228	TIC	410037	17.94	ug/kg#	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60034.D
Acq On : 7 Oct 2013 3:11 pm
Operator : krystend
Sample : mc24849-1msd
Misc : MS30132,MSM2081,5.351,,,5,1
ALS Vial : 13 Sample Multiplier: 1

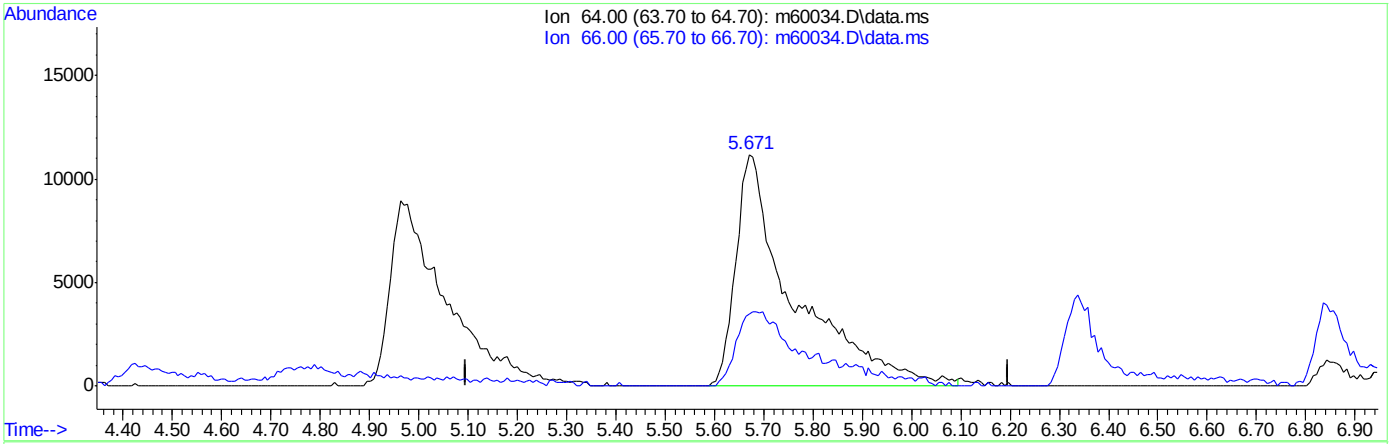
Quant Time: Oct 07 16:48:06 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

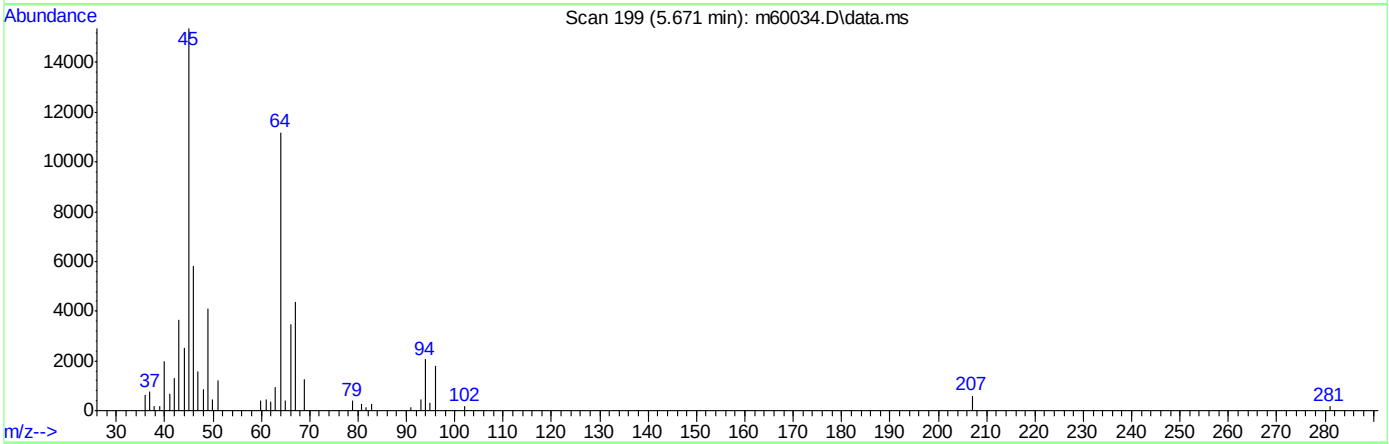


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60034.D
Acq On : 7 Oct 2013 3:11 pm
Operator : krystend
Sample : mc24849-1msd
Misc : MS30132,MSM2081,5.351,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 07 16:47:53 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m60034.D\data.ms

(9) chloroethane (M)

5.671min (-0.006) 55.35ug/kg m

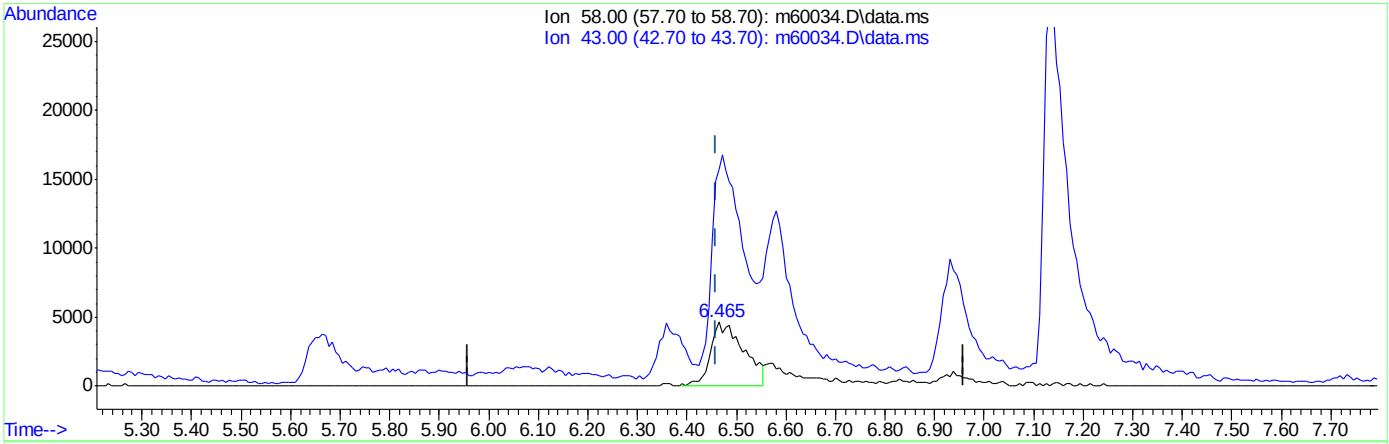
response 91613

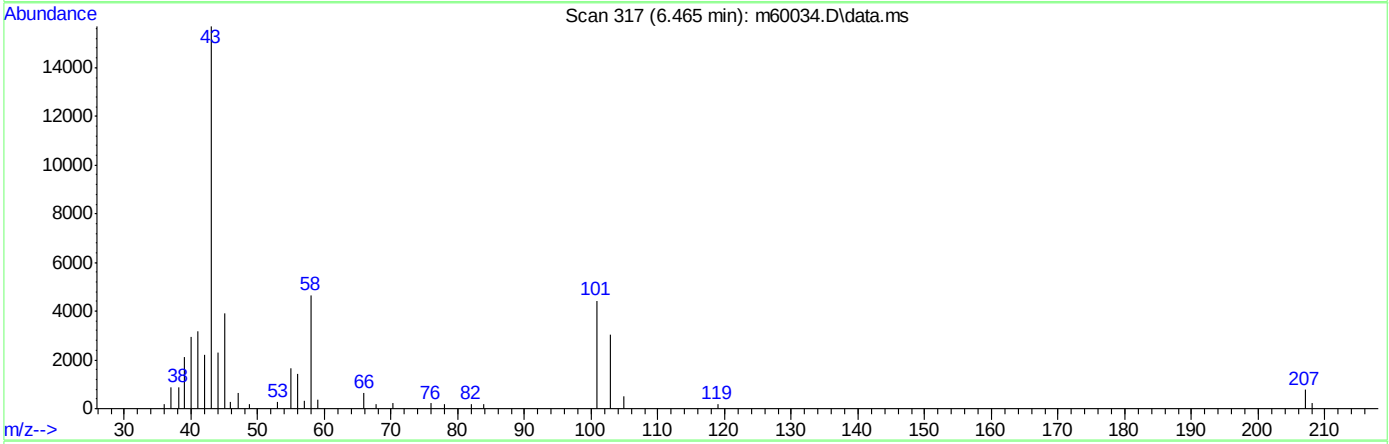
Ion	Exp%	Act%
64.00	100	100
66.00	31.60	31.04
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60034.D
Acq On : 7 Oct 2013 3:11 pm
Operator : krystend
Sample : mc24849-1msd
Misc : MS30132,MSM2081,5.351,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 07 16:47:53 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m60034.D\data.ms

(16) acetone (M)

6.465min (+0.006) 83.44ug/kg m

response 21526

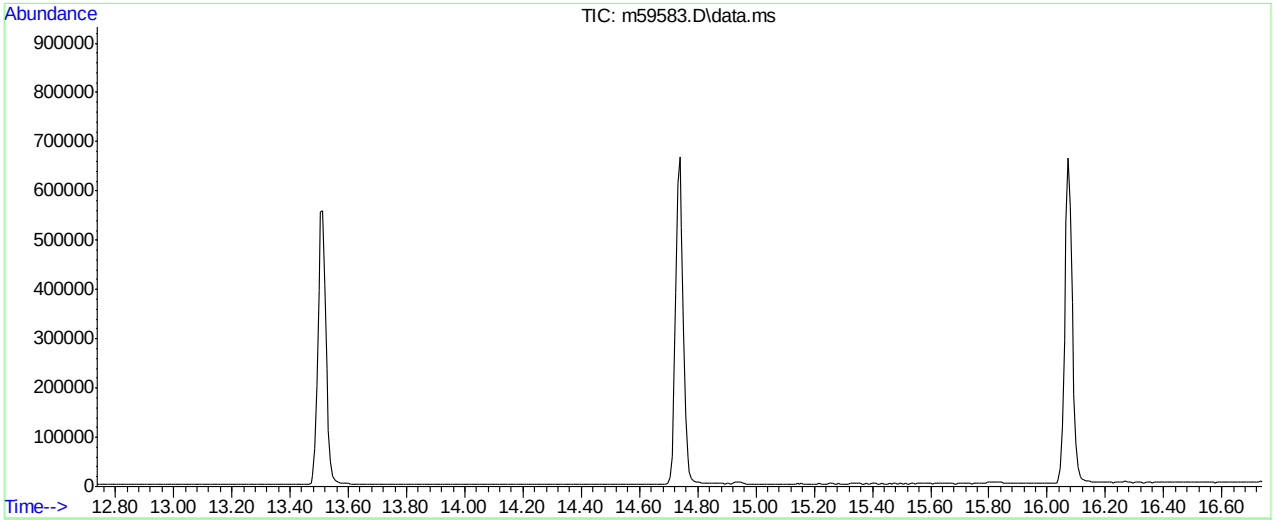
Ion	Exp%	Act%
58.00	100	100
43.00	380.40	336.62#
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC24849

BFB

Data File : C:\msdchem\1\data\M130925S\m59583.D Vial: 4
Acq On : 25 Sep 2013 8:29 pm Operator: krystend
Sample : bfb Inst : GCMS M
Misc : MS30022,MSM2064,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130925S.M (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Average of 14.731 to 14.744 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.6	24424	PASS
75	95	30	60	45.6	51645	PASS
95	95	100	100	100.0	113163	PASS
96	95	5	9	7.0	7923	PASS
173	174	0.00	2	1.1	1259	PASS
174	95	50	150	101.7	115048	PASS
175	174	5	9	7.2	8329	PASS
176	174	95	101	95.8	110221	PASS
177	176	5	9	6.5	7171	PASS

m59583.D M130925S.M Thu Sep 26 07:47:04 2013

Average of 14.731 to 14.744 min.: m59583.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1284	51.00	7834	64.00	430	76.90	239
37.00	6650	52.05	401	64.95	9	77.05	412
38.00	6017	53.00	54	67.00	305	77.95	439
39.00	2516	54.95	376	68.00	9929	78.90	3958
43.95	706	56.00	2035	69.00	10272	79.90	1210
45.00	1372	57.00	3607	69.95	709	80.90	3927
46.10	67	58.05	130	72.05	618	81.85	973
47.00	1681	59.95	965	73.00	4244	82.80	51
48.00	819	61.00	5498	74.00	17585	85.80	53
49.00	5358	62.00	5311	75.00	51645	86.00	55
50.00	24424	63.00	4280	76.00	4448	86.90	5188

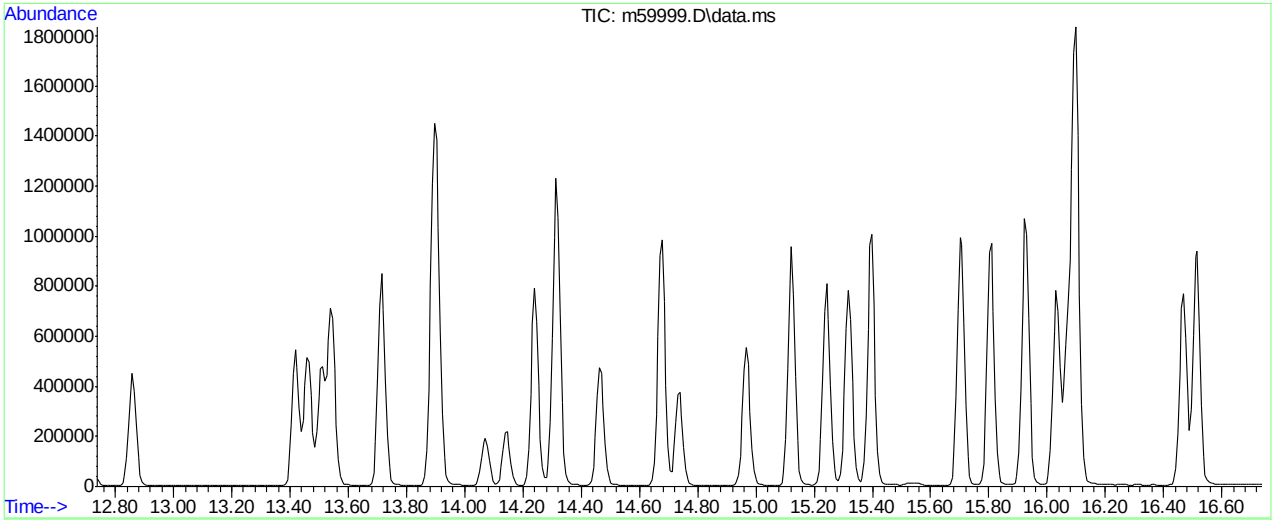
Average of 14.731 to 14.744 min.: m59583.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.90	4874	114.85	127	136.85	246	172.95	1259
90.85	433	115.85	427	140.85	1320	173.90	115048
92.00	3089	116.85	742	142.05	140	174.90	8329
92.95	4418	117.80	510	142.85	1397	175.90	110221
94.00	13608	118.90	640	144.90	133	176.90	7171
95.00	113163	123.80	57	147.80	303	177.85	147
96.00	7923	127.85	485	154.90	289	191.00	51
97.00	207	128.90	234	156.85	277	207.00	88
103.80	510	129.85	517	160.75	174	209.00	55
104.85	115	130.80	190	171.20	54	281.00	53
105.85	575	134.85	274	171.85	539		

BFB

Data File : C:\msdchem\1\data\M131006S\m59999.D Vial: 27
Acq On : 6 Oct 2013 9:01 pm Operator: krystend
Sample : bfb Inst : GCMS M
Misc : MS30132,MSM2080,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130925S.M (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 1545

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.7	14568	PASS
75	95	30	60	43.9	30895	PASS
95	95	100	100	100.0	70413	PASS
96	95	5	9	6.6	4630	PASS
173	174	0.00	2	1.1	750	PASS
174	95	50	150	100.9	71071	PASS
175	174	5	9	7.0	4974	PASS
176	174	95	101	95.0	67544	PASS
177	176	5	9	5.8	3922	PASS

m59999.D M130925S.M Mon Oct 07 09:20:54 2013

Scan 1545 (14.738 min): m59999.D\data.ms (-1552)
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	701	51.05	4278	68.00	6593	79.90	786
37.00	4036	52.00	244	69.00	6597	80.90	2740
38.00	3408	55.00	224	70.00	694	81.90	581
39.00	1572	56.00	1267	72.00	544	83.10	179
39.95	32	57.00	2197	73.00	3397	87.00	2985
44.00	892	60.00	617	74.00	11141	87.90	3106
45.00	817	61.00	2732	74.95	30895	90.95	263
47.00	999	62.00	3073	76.00	2653	92.00	2165
47.90	585	63.00	2342	77.00	517	93.00	3003
49.00	3286	64.10	206	78.10	406	94.00	9446
50.00	14568	66.90	190	78.90	2634	94.95	70413

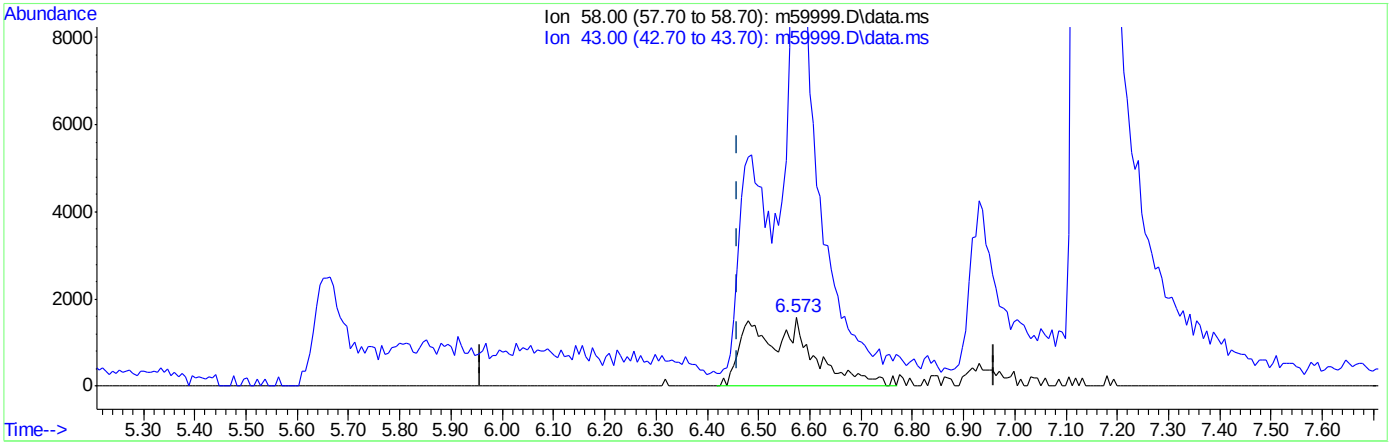
Scan 1545 (14.738 min): m59999.D\data.ms (-1552)
bfb
Modified:subtracted

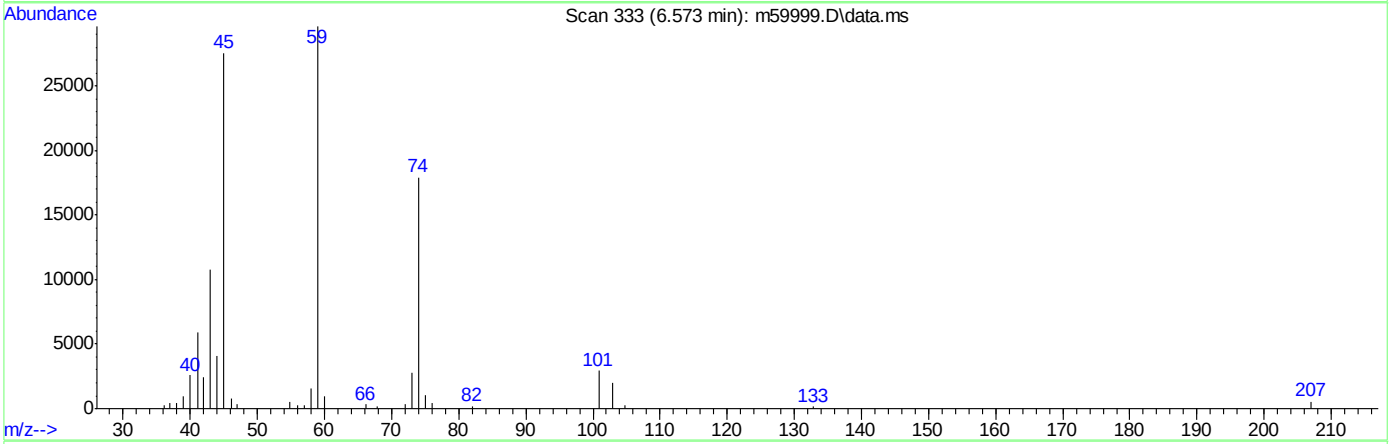
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.00	4630	120.00	357	173.90	71071		
96.90	183	127.80	387	174.90	4974		
102.90	188	129.80	366	175.85	67544		
103.90	351	134.90	161	176.90	3922		
105.00	886	140.90	923	177.90	207		
106.00	571	142.90	964	206.90	78		
110.90	181	147.80	236	268.90	31		
115.90	287	154.90	258				
116.90	457	156.90	158				
117.90	266	172.10	259				
118.80	418	173.00	750				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59999.D
Acq On : 6 Oct 2013 9:01 pm
Operator : krystend
Sample : cc2064-50
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 07 08:09:59 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m59999.D\data.ms

(16) acetone (M)

6.573min (+0.114) 59.67ug/kg m

response 13035

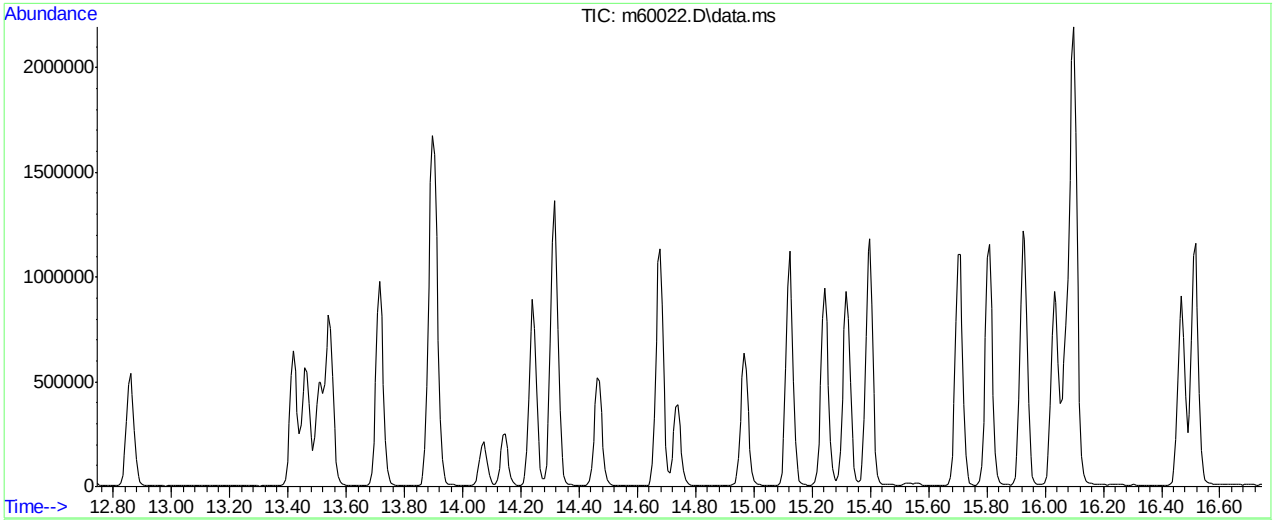
Ion	Exp%	Act%
58.00	100	100
43.00	380.40	681.40#
0.00	0.00	0.00
0.00	0.00	0.00

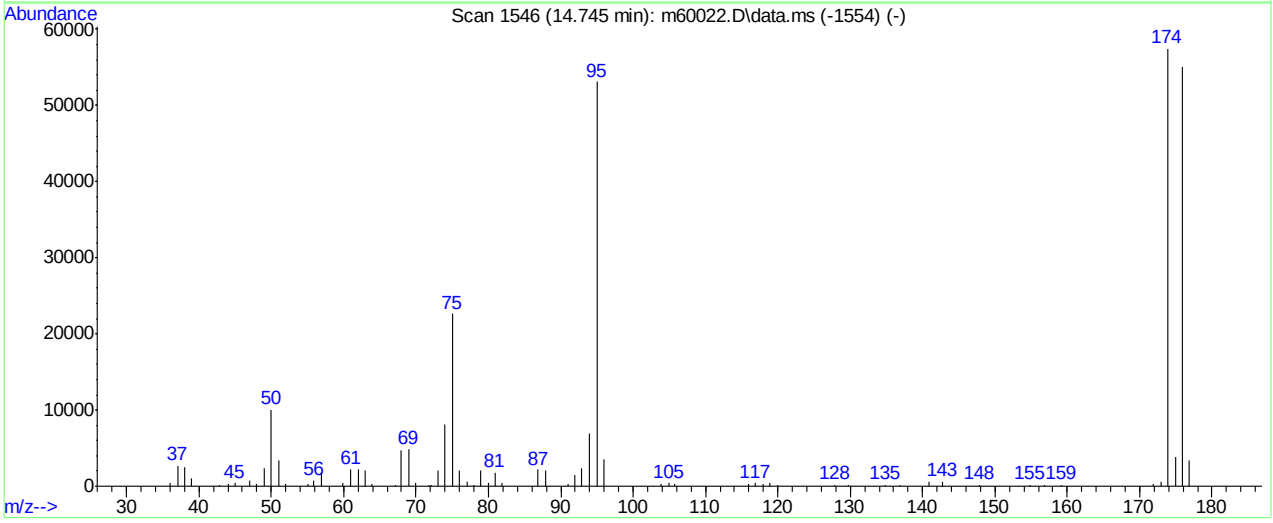
ACCUTEST LABORATORIES MC24849

BFB

Data File : C:\msdchem\1\data\M131007S\m60022.D Vial: 1
Acq On : 7 Oct 2013 9:17 am Operator: krystend
Sample : bfb Inst : GCMS M
Misc : MS30133,MSM2081,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M130925S.M (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Scan 1546

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.9	10051	PASS
75	95	30	60	42.6	22622	PASS
95	95	100	100	100.0	53096	PASS
96	95	5	9	6.7	3557	PASS
173	174	0.00	2	1.1	645	PASS
174	95	50	150	108.3	57487	PASS
175	174	5	9	6.8	3883	PASS
176	174	95	101	95.7	54999	PASS
177	176	5	9	6.2	3390	PASS

m60022.D M130925S.M Mon Oct 07 10:14:03 2013

Scan 1546 (14.745 min): m60022.D\data.ms (-1554)
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	452	51.00	3334	68.00	4779	78.90	2117
37.10	2708	52.00	228	69.00	4933	80.00	519
38.00	2474	55.10	265	69.90	438	80.90	1772
39.00	985	55.90	798	71.75	188	81.80	391
42.90	184	57.00	1721	72.10	180	86.90	2149
44.00	335	59.90	442	73.00	2059	87.90	2111
45.00	374	61.00	2281	74.00	8064	91.00	309
47.00	795	62.00	2259	75.00	22622	91.90	1524
47.90	369	63.00	2007	76.00	2026	92.90	2427
49.00	2316	63.90	291	77.00	540	94.00	6928
50.00	10051	67.10	190	78.00	87	95.00	53096

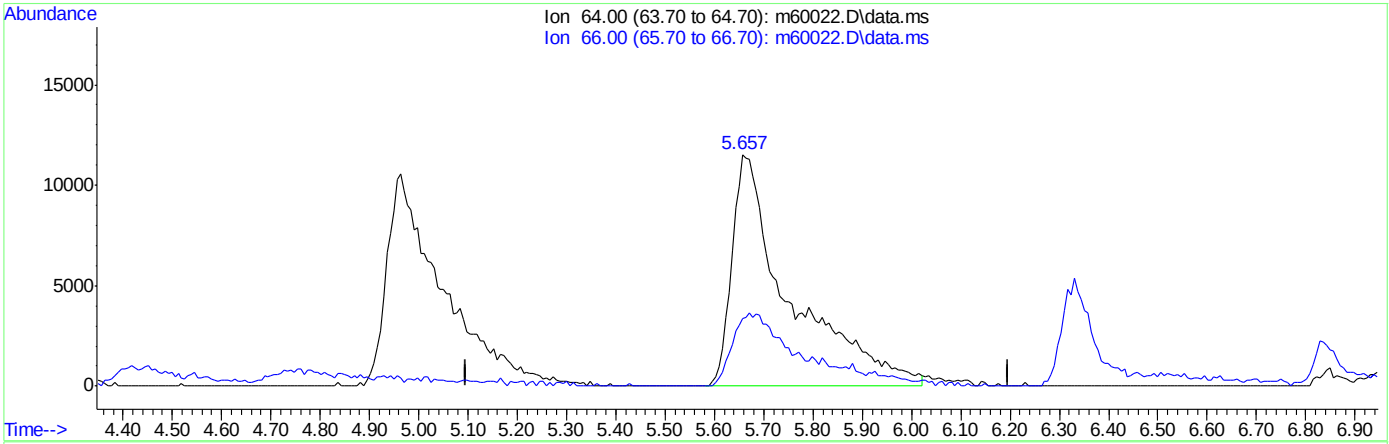
Scan 1546 (14.745 min): m60022.D\data.ms (-1554)
bfb
Modified:subtracted

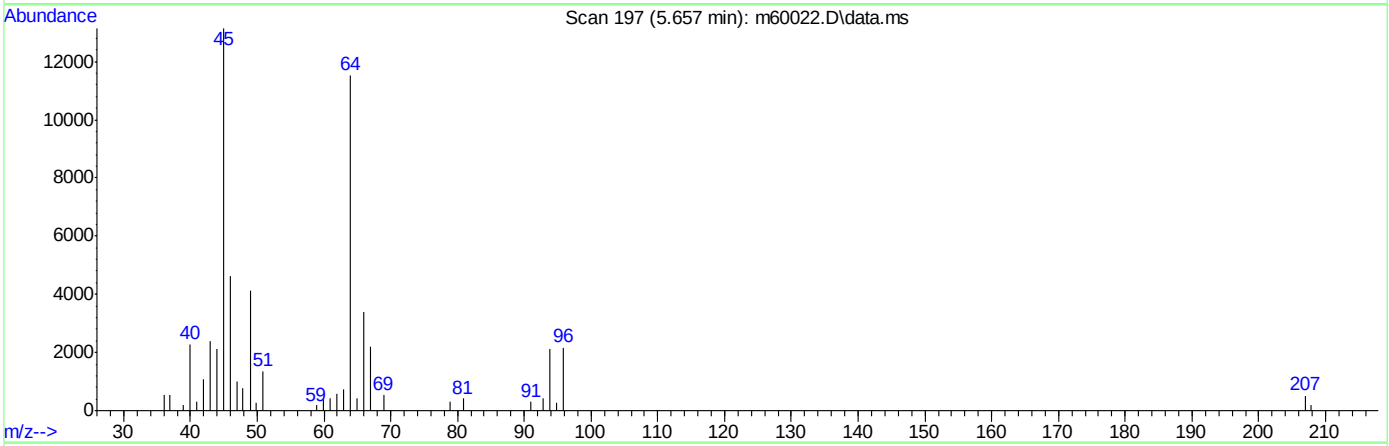
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.00	3557	134.90	195	174.90	3883		
103.90	364	136.80	194	175.90	54999		
105.00	397	140.90	593	176.90	3390		
105.80	361	142.80	648				
115.90	241	147.90	163				
116.90	435	154.90	212				
117.90	312	156.90	152				
118.90	425	159.20	166				
119.90	85	171.80	303				
127.90	199	173.00	645				
129.80	167	173.85	57487				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60022.D
Acq On : 7 Oct 2013 9:17 am
Operator : krystend
Sample : cc2064-50
Misc : MS30133,MSM2081,5,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 07 09:48:58 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m60022.D\data.ms

(9) chloroethane (M)

5.657min (-0.020) 59.37ug/kg m

response 93250

Ion	Exp%	Act%
64.00	100	100
66.00	31.60	29.29
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC24849

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59584.D
Acq On : 25 Sep 2013 8:58 pm
Operator : krystend
Sample : IC2064-2
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 26 07:06:30 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	91074	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	273678	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	418551	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	163871	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	201106	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	11653	3.34	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	6.68%#		
59) toluene-d8 (s)	12.043	98	39376	3.17	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	6.34%#		
81) bromofluorobenzene (s)	14.738	95	14182	3.67	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	7.34%#		
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	4862	18.07	ug/kg	88
3) Ethanol	5.664	45	2339	76.57	ug/kg#	39
5) dichlorodifluoromethane	4.438	85	7718	2.17	ug/kg	91
6) chloromethane	4.687	50	15519	2.94	ug/kg	97
7) vinyl chloride	4.970	62	11631	2.07	ug/kg	72
8) bromomethane ...	5.495	96	6435	2.62	ug/kg	79
9) chloroethane	5.671	64	3240	1.73	ug/kg	96
10) ethyl ether	6.600	59	4405	1.68	ug/kg	98
12) trichlorofluoromethane	6.324	101	8970	1.80	ug/kg	90
13) freon-113	7.146	101	5112	2.14	ug/kg	85
15) 1,1-dichloroethene	6.944	96	6043	2.13	ug/kg#	78
18) methylene chloride	7.105	84	6520	2.00	ug/kg	97
19) methyl tert butyl ether	7.907	73	13285	1.97	ug/kg	94
21) allyl chloride	7.193	41	11682	1.87	ug/kg	97
22) trans-1,2-dichloroethene	7.806	96	6846	2.13	ug/kg	92
23) iodomethane	7.011	142	12014	1.93	ug/kg	99
24) carbon disulfide	7.388	76	18307	2.00	ug/kg	97
27) chloroprene	8.453	53	9178	1.54	ug/kg	100
28) di-isopropyl ether	8.486	45	24293	1.62	ug/kg	84
29) methacrylonitrile	8.628	41	3242	1.34	ug/kg#	45
31) 1,1-dichloroethane	8.069	63	11024	2.02	ug/kg	97
32) tert-butyl ethyl ether	8.890	59	16695	1.70	ug/kg	88
33) isobutyl alcohol	8.884	43	5119	11.12	ug/kg	87
34) 2,2-dichloropropane	8.951	77	7325	2.33	ug/kg	93
35) cis-1,2-dichloroethene	8.655	96	7983	2.06	ug/kg	90
36) ethyl acetate	8.884	43	5119	2.24	ug/kg	87
37) bromochloromethane	8.823	128	3663	1.92	ug/kg	84
38) chloroform	8.864	83	10564	1.83	ug/kg	99
40) Tetrahydrofuran	9.207	42	2857	2.36	ug/kg#	41
41) 1,1,1-trichloroethane	9.625	97	9139	2.14	ug/kg	94
43) Cyclohexane	9.914	56	11541	2.10	ug/kg#	82
44) carbon tetrachloride	10.002	117	9004	2.03	ug/kg	94
45) 1,1-dichloropropene	9.807	75	7884	1.92	ug/kg	92
46) benzene	10.029	78	24597	1.93	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59584.D
Acq On : 25 Sep 2013 8:58 pm
Operator : krystend
Sample : IC2064-2
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 26 07:06:30 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,2-dichloroethane	9.524	62	8366	1.92	ug/kg	98
48) tert-amyl methyl ether	10.150	73	13161	2.04	ug/kg	98
49) heptane	10.514	43	11533	1.83	ug/kg	89
50) trichloroethene	10.662	95	8004	2.25	ug/kg	88
51) 1,2-dichloropropane	10.622	63	6809	1.77	ug/kg	91
52) dibromomethane	10.602	93	3586	1.83	ug/kg	90
53) bromodichloromethane	10.709	83	8197	1.83	ug/kg	90
54) Methylcyclohexane	11.181	83	10679	1.98	ug/kg	96
55) 2-chloroethyl vinyl ether	11.100	63	2007	1.43	ug/kg#	47
56) methyl methacrylate	10.831	69	2506	1.22	ug/kg	93
58) cis-1,3-dichloropropene	11.336	75	9190	1.69	ug/kg	89
60) 4-methyl-2-pentanone	11.437	43	6387	1.55	ug/kg#	48
61) toluene	12.124	92	14363	1.56	ug/kg	98
62) trans-1,3-dichloropropene	11.767	75	7405	1.62	ug/kg	85
63) 1,1,2-trichloroethane	11.929	83	4297	1.77	ug/kg	95
64) ethyl methacrylate	12.137	69	5577	1.23	ug/kg	76
66) tetrachloroethene	12.858	166	6697	2.05	ug/kg	96
67) 1,3-dichloropropane	12.171	76	7833	1.75	ug/kg	90
68) dibromochloromethane	12.461	129	7226	1.83	ug/kg	97
69) 1,2-dibromoethane	12.717	107	5687	1.89	ug/kg	77
70) 2-hexanone	12.326	43	3341	1.20	ug/kg#	62
71) chlorobenzene	13.545	112	18663	1.85	ug/kg	91
72) 1,1,1,2-tetrachloroethane	13.464	131	7623	1.97	ug/kg	98
73) ethylbenzene	13.714	91	28273	1.79	ug/kg	92
74) m,p-xylene	13.902	106	23573	3.38	ug/kg	93
75) o-xylene	14.313	106	12204	1.72	ug/kg	93
76) styrene	14.246	104	16905	1.62	ug/kg	99
77) bromoform	14.071	173	4372	1.71	ug/kg	84
78) trans-1,4-dichloro-2-b...	14.461	53	2289	1.78	ug/kg#	84
80) isopropylbenzene	14.677	105	30394	1.84	ug/kg	89
82) bromobenzene	14.973	156	8355	1.98	ug/kg#	77
83) 1,1,2,2-tetrachloroethane	14.320	83	6906	1.76	ug/kg	92
84) 1,2,3-trichloropropane	14.468	75	7362	1.88	ug/kg	91
85) n-propylbenzene	15.128	91	33044	1.86	ug/kg	93
86) 2-chlorotoluene	15.243	91	19769	1.83	ug/kg	90
87) 4-chlorotoluene	15.324	91	19360	1.82	ug/kg	92
88) 1,3,5-trimethylbenzene	15.398	105	24045	1.71	ug/kg	89
89) tert-butylbenzene	15.708	91	13984	1.76	ug/kg	86
90) 1,2,4-trimethylbenzene	15.809	105	23305	1.67	ug/kg	90
91) sec-butylbenzene	15.930	105	33363	1.76	ug/kg	96
92) 1,3-dichlorobenzene	16.038	146	16205	1.95	ug/kg	93
93) p-isopropyltoluene	16.098	119	26511	1.69	ug/kg	96
94) 1,4-dichlorobenzene	16.098	146	16876	1.98	ug/kg	98
95) 1,2-dichlorobenzene	16.469	146	16071	1.94	ug/kg	96
96) n-butylbenzene	16.516	91	23102	1.77	ug/kg	91
98) 1,3,5-trichlorobenzene	17.756	180	10739	2.07	ug/kg	98
99) 1,2,4-trichlorobenzene	18.308	180	10271	2.11	ug/kg	93
100) hexachlorobutadiene	18.598	225	5996	2.04	ug/kg	98
101) naphthalene	18.577	128	26603	1.69	ug/kg	100
102) 1,2,3-trichlorobenzene	18.793	180	10210	2.04	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59584.D
Acq On : 25 Sep 2013 8:58 pm
Operator : krystend
Sample : IC2064-2
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 26 07:06:30 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

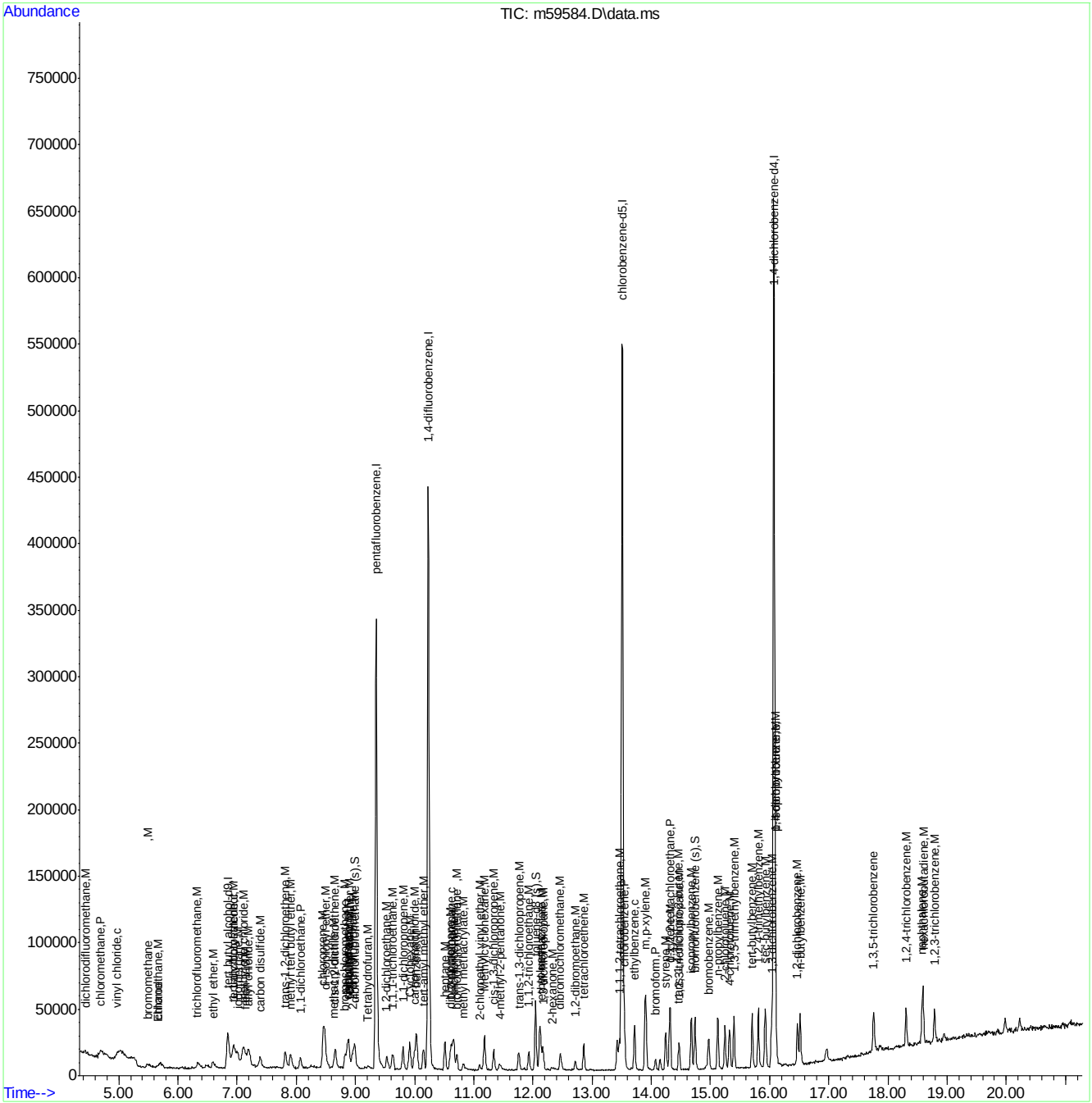
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59584.D
Acq On : 25 Sep 2013 8:58 pm
Operator : krystend
Sample : IC2064-2
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 26 07:06:30 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59585.D
Acq On : 25 Sep 2013 9:27 pm
Operator : krystend
Sample : IC2064-0.5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 26 07:08:26 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

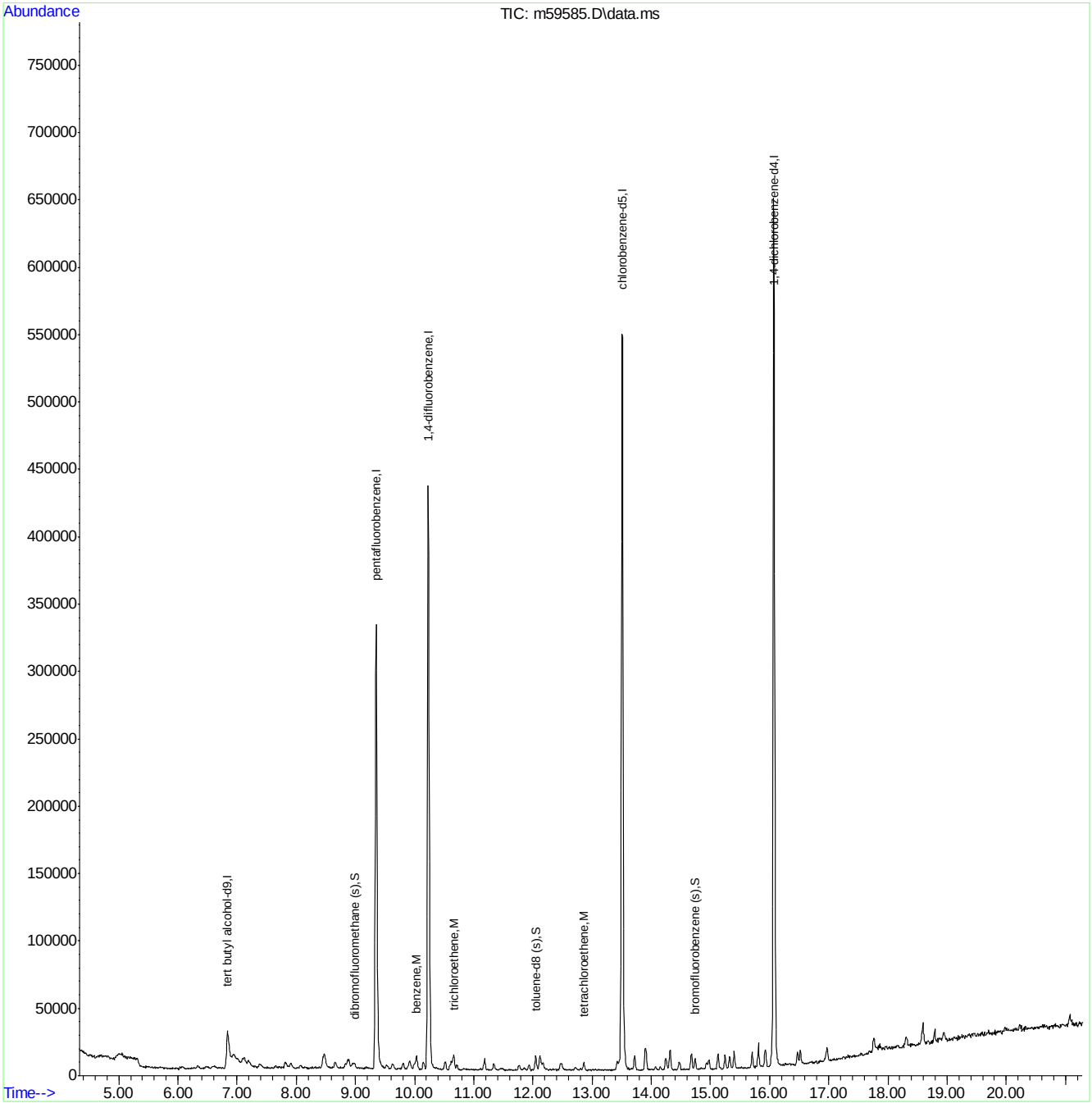
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	91501	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	273478	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	419212	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	162523	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	198458	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	2561	0.73	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.46%#			
59) toluene-d8 (s)	12.043	98	8287	0.67	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.34%#			
81) bromofluorobenzene (s)	14.738	95	3584	0.94	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.88%#			
Target Compounds						Qvalue
46) benzene	10.029	78	8213	0.64	ug/kg	95
50) trichloroethene	10.662	95	4732	1.33	ug/kg	92
66) tetrachloroethene	12.858	166	2007	0.62	ug/kg	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59585.D
Acq On : 25 Sep 2013 9:27 pm
Operator : krystend
Sample : IC2064-0.5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 26 07:08:26 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/26/13 08:18

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:09:52 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	96659	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	274163	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	422371	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	165381	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	203169	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	16522	4.73	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	9.46%#		
59) toluene-d8 (s)	12.043	98	53193	4.24	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	8.48%#		
81) bromofluorobenzene (s)	14.738	95	18788	4.81	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	9.62%#		
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	21329	74.70	ug/kg	90
3) Ethanol	5.671	45	9214	284.21	ug/kg#	39
5) dichlorodifluoromethane	4.418	85	20127m	5.65	ug/kg	
6) chloromethane	4.701	50	30514	5.78	ug/kg	93
7) vinyl chloride	4.957	62	30790	5.46	ug/kg	87
8) bromomethane ...	5.496	96	15761	6.40	ug/kg	95
9) chloroethane	5.671	64	11490	6.13	ug/kg	91
10) ethyl ether	6.587	59	12573	4.80	ug/kg	96
11) acetonitrile	6.580	41	3917	4.47	ug/kg	73
12) trichlorofluoromethane	6.331	101	23336	4.66	ug/kg	95
13) freon-113	7.139	101	13778	5.77	ug/kg	93
14) acrolein	6.358	56	12612	19.24	ug/kg	95
15) 1,1-dichloroethene	6.951	96	18559	6.53	ug/kg	88
17) Methyl Acetate	7.180	43	22951m	4.44	ug/kg	
18) methylene chloride	7.099	84	17561	5.36	ug/kg	94
19) methyl tert butyl ether	7.900	73	35886	5.31	ug/kg	95
20) acrylonitrile	7.079	53	5261	3.62	ug/kg	80
21) allyl chloride	7.200	41	30140	4.81	ug/kg	85
22) trans-1,2-dichloroethene	7.813	96	17967	5.59	ug/kg	97
23) iodomethane	7.004	142	32784	5.26	ug/kg	97
24) carbon disulfide	7.388	76	50852	5.56	ug/kg	100
25) propionitrile	8.197	54	1148m	2.26	ug/kg	
26) vinyl acetate	8.204	43	31924	3.68	ug/kg	100
27) chloroprene	8.446	53	25962	4.35	ug/kg	95
28) di-isopropyl ether	8.480	45	62955	4.19	ug/kg	95
29) methacrylonitrile	8.621	41	9364	3.86	ug/kg	90
31) 1,1-dichloroethane	8.069	63	28090	5.13	ug/kg	98
32) tert-butyl ethyl ether	8.884	59	44491	4.52	ug/kg	93
33) isobutyl alcohol	8.891	43	13685	29.68	ug/kg	81
34) 2,2-dichloropropane	8.951	77	17953	5.70	ug/kg	80
35) cis-1,2-dichloroethene	8.655	96	20777	5.35	ug/kg	90
36) ethyl acetate	8.891	43	13634	5.96	ug/kg	90
37) bromochloromethane	8.830	128	9556	4.99	ug/kg	90
38) chloroform	8.864	83	26678	4.62	ug/kg	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:09:52 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Tetrahydrofuran	9.207	42	6453	5.33	ug/kg	96
41) 1,1,1-trichloroethane	9.632	97	24259	5.67	ug/kg	96
43) Cyclohexane	9.915	56	29663	5.34	ug/kg	88
44) carbon tetrachloride	9.995	117	23672	5.28	ug/kg	98
45) 1,1-dichloropropene	9.807	75	20414	4.92	ug/kg	98
46) benzene	10.029	78	62837	4.88	ug/kg	99
47) 1,2-dichloroethane	9.524	62	21794	4.96	ug/kg	95
48) tert-amyl methyl ether	10.150	73	34768	5.35	ug/kg	98
49) heptane	10.514	43	29892	4.70	ug/kg	97
50) trichloroethene	10.656	95	19129	5.32	ug/kg	93
51) 1,2-dichloropropane	10.629	63	17803	4.58	ug/kg	97
52) dibromomethane	10.602	93	9601	4.85	ug/kg#	78
53) bromodichloromethane	10.709	83	22550	4.98	ug/kg	94
54) Methylcyclohexane	11.181	83	26902	4.94	ug/kg	94
55) 2-chloroethyl vinyl ether	11.093	63	6463	4.56	ug/kg#	47
56) methyl methacrylate	10.817	69	8303	3.99	ug/kg	84
57) 1,4-dioxane	10.824	88	88m	3.06	ug/kg	
58) cis-1,3-dichloropropene	11.336	75	24174	4.40	ug/kg	92
60) 4-methyl-2-pentanone	11.430	43	18988	4.57	ug/kg#	91
61) toluene	12.117	92	39510	4.26	ug/kg	97
62) trans-1,3-dichloropropene	11.760	75	20810	4.52	ug/kg	97
63) 1,1,2-trichloroethane	11.929	83	11954	4.88	ug/kg	98
64) ethyl methacrylate	12.131	69	15395	3.37	ug/kg	88
66) tetrachloroethene	12.865	166	17908	5.43	ug/kg	93
67) 1,3-dichloropropane	12.171	76	21809	4.84	ug/kg	93
68) dibromochloromethane	12.461	129	20160	5.07	ug/kg	99
69) 1,2-dibromoethane	12.717	107	16144	5.31	ug/kg	85
70) 2-hexanone	12.299	43	11867	4.22	ug/kg#	62
71) chlorobenzene	13.546	112	51113	5.02	ug/kg	91
72) 1,1,1,2-tetrachloroethane	13.458	131	19729	5.05	ug/kg	96
73) ethylbenzene	13.714	91	75713	4.74	ug/kg	95
74) m,p-xylene	13.903	106	61908	8.80	ug/kg	96
75) o-xylene	14.313	106	32584	4.55	ug/kg#	79
76) styrene	14.246	104	47924	4.55	ug/kg	97
77) bromoform	14.071	173	11886	4.60	ug/kg	91
78) trans-1,4-dichloro-2-b...	14.462	53	5748	4.44	ug/kg#	84
80) isopropylbenzene	14.677	105	81314	4.88	ug/kg	93
82) bromobenzene	14.974	156	21479	5.04	ug/kg	81
83) 1,1,2,2-tetrachloroethane	14.320	83	19040	4.81	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	19750	5.00	ug/kg	99
85) n-propylbenzene	15.122	91	86347	4.81	ug/kg	89
86) 2-chlorotoluene	15.243	91	54280	4.98	ug/kg	95
87) 4-chlorotoluene	15.324	91	50964	4.74	ug/kg	91
88) 1,3,5-trimethylbenzene	15.398	105	65437	4.60	ug/kg	99
89) tert-butylbenzene	15.701	91	36073	4.49	ug/kg	98
90) 1,2,4-trimethylbenzene	15.809	105	63965	4.54	ug/kg	100
91) sec-butylbenzene	15.930	105	90468	4.72	ug/kg	94
92) 1,3-dichlorobenzene	16.038	146	42828	5.11	ug/kg	96
93) p-isopropyltoluene	16.099	119	71777	4.52	ug/kg	97
94) 1,4-dichlorobenzene	16.105	146	42563	4.94	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:09:52 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

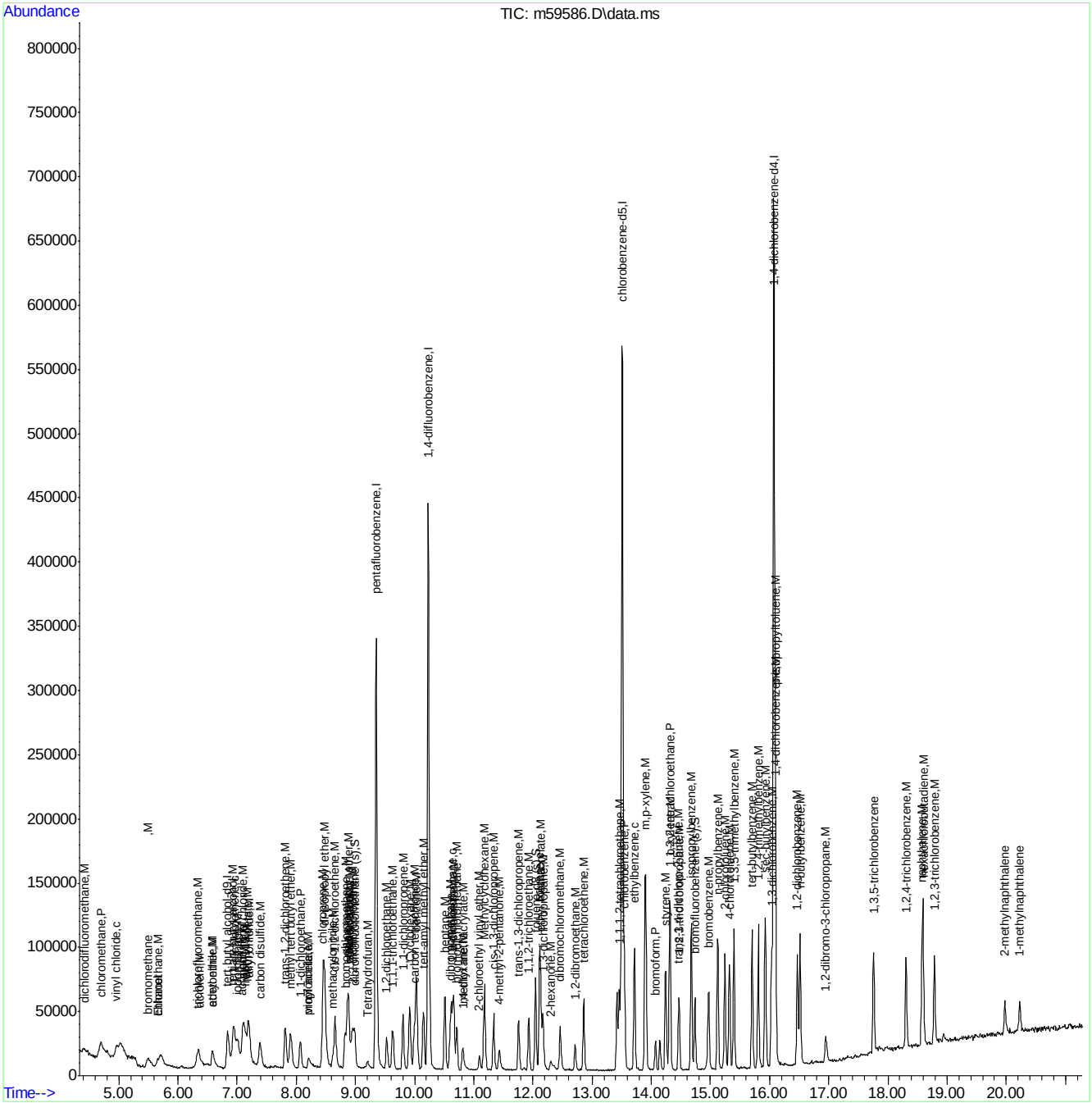
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	1,2-dichlorobenzene	16.469	146	42651	5.10	ug/kg	94
96)	n-butylbenzene	16.516	91	61506	4.67	ug/kg	93
97)	1,2-dibromo-3-chloropr...	16.947	75	4186	5.72	ug/kg#	68
98)	1,3,5-trichlorobenzene	17.762	180	27970	5.34	ug/kg	99
99)	1,2,4-trichlorobenzene	18.308	180	25812	5.26	ug/kg	96
100)	hexachlorobutadiene	18.598	225	15185	5.12	ug/kg	97
101)	naphthalene	18.578	128	69222	4.34	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	26415	5.22	ug/kg	94
103)	2-methylnaphthalene	19.979	142	17547	2.22	ug/kg#	94
104)	1-methylnaphthalene	20.228	TIC	70317	2.95	ug/kg	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

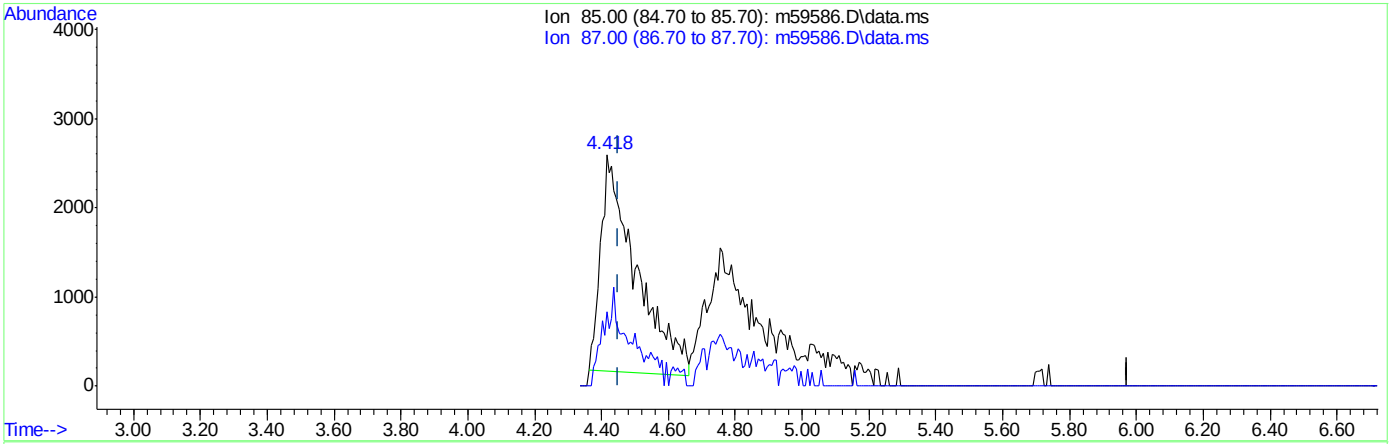
Quant Time: Sep 26 07:09:52 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

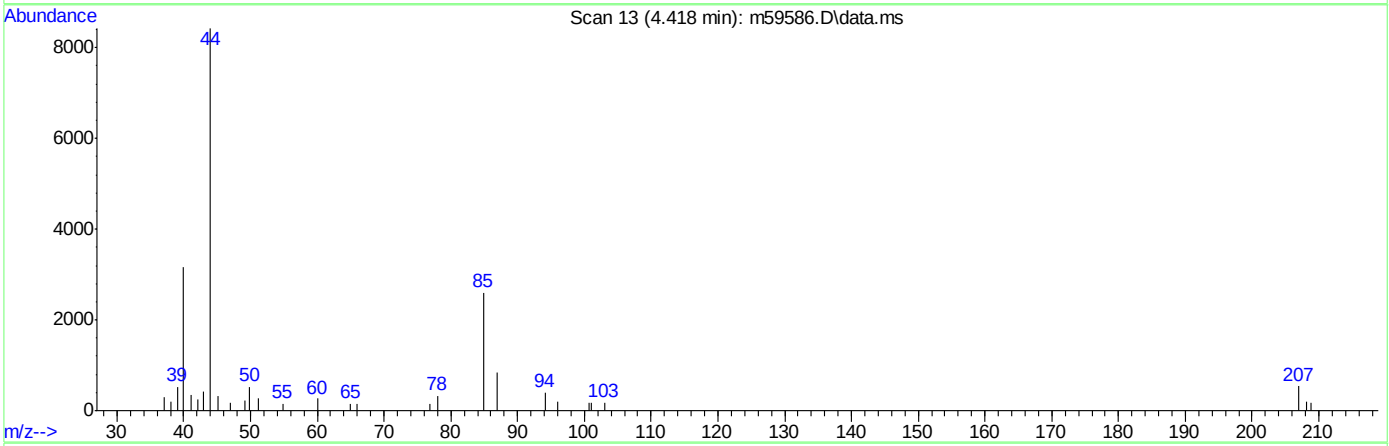


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:04:25 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59586.D\data.ms

(5) dichlorodifluoromethane (M)

4.418min (-0.034) 4.89ug/kg

response 17436

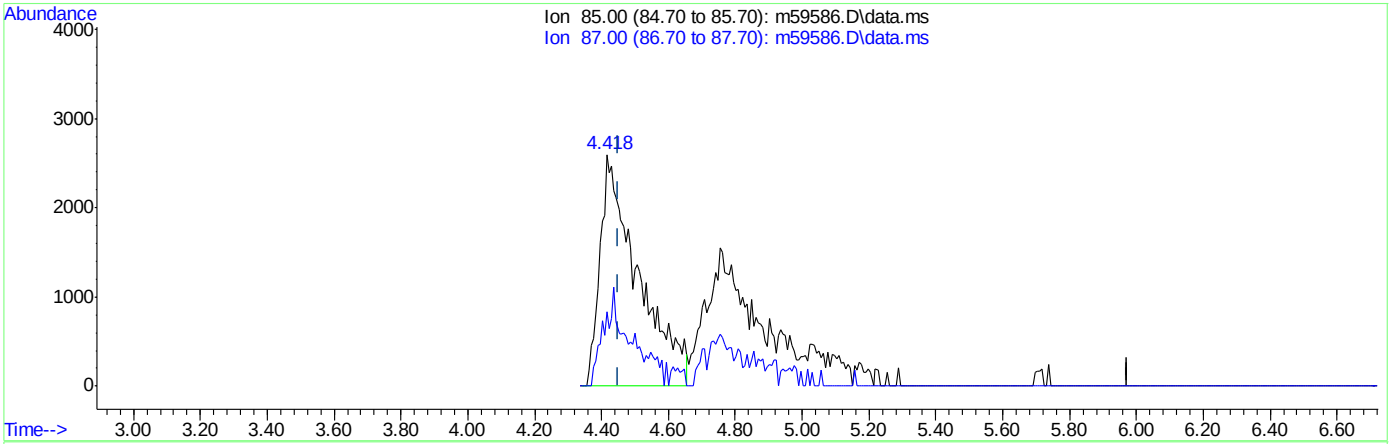
Ion	Exp%	Act%
85.00	100	100
87.00	32.10	34.45
0.00	0.00	0.00
0.00	0.00	0.00

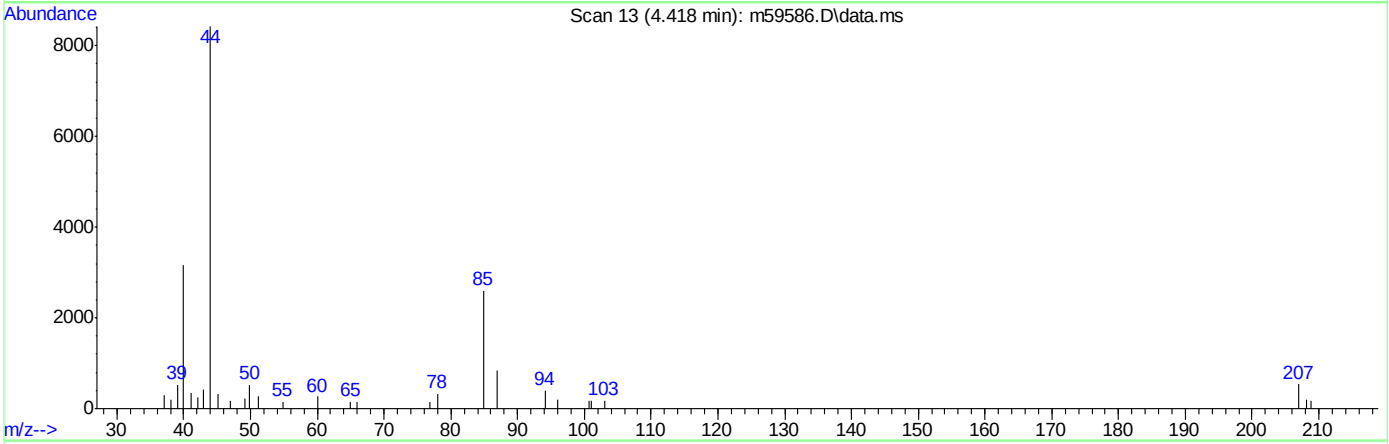
M59586.D edits: dichlorodifluoromethane

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:04:25 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59586.D\data.ms

(5) dichlorodifluoromethane (M)

4.418min (-0.034) 5.65ug/kg m

response 20127

Ion	Exp%	Act%
85.00	100	100
87.00	32.10	32.00
0.00	0.00	0.00
0.00	0.00	0.00

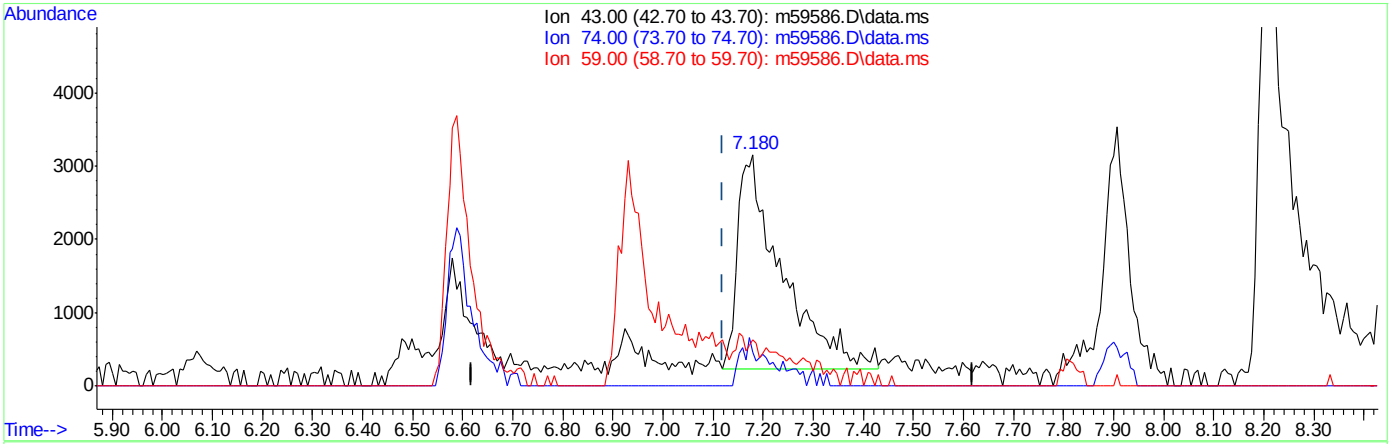
M59586.D edits: dichlorodifluoromethane

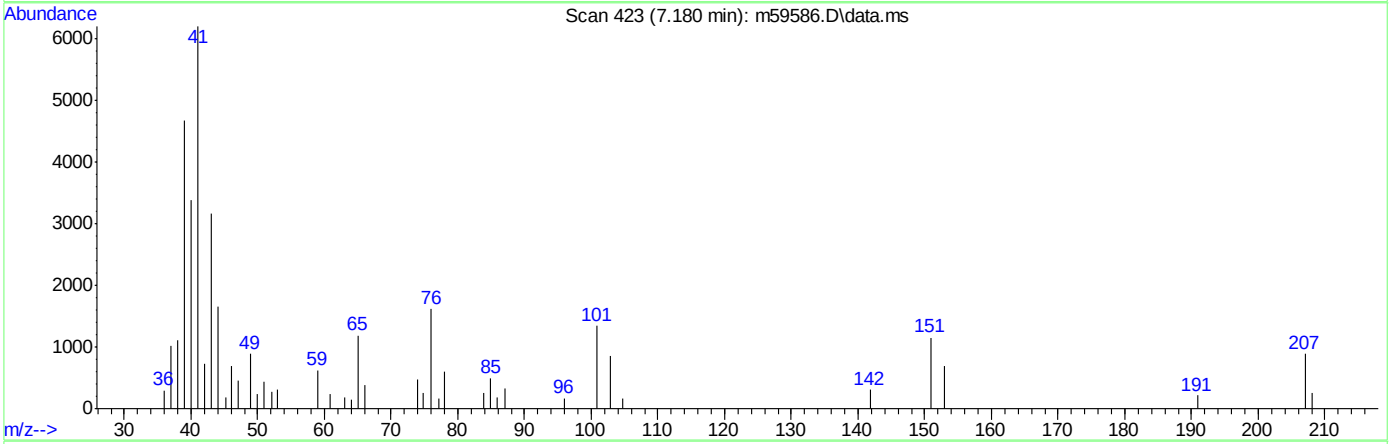
ACCUTEST LABORATORIES MC24849

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:04:25 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59586.D\data.ms

(17) Methyl Acetate (M)

7.180min (+0.061) 3.46ug/kg

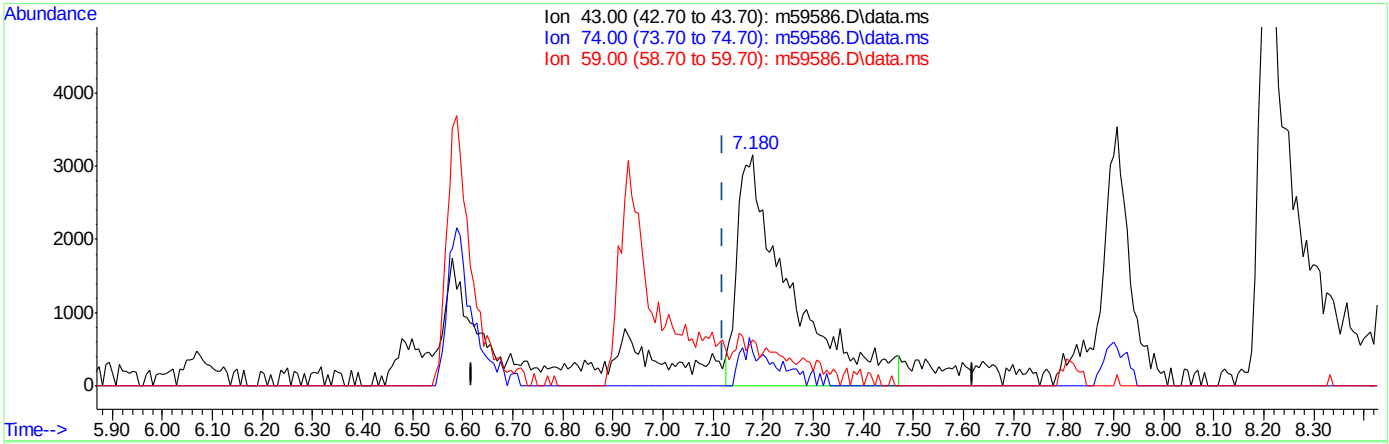
response 17864

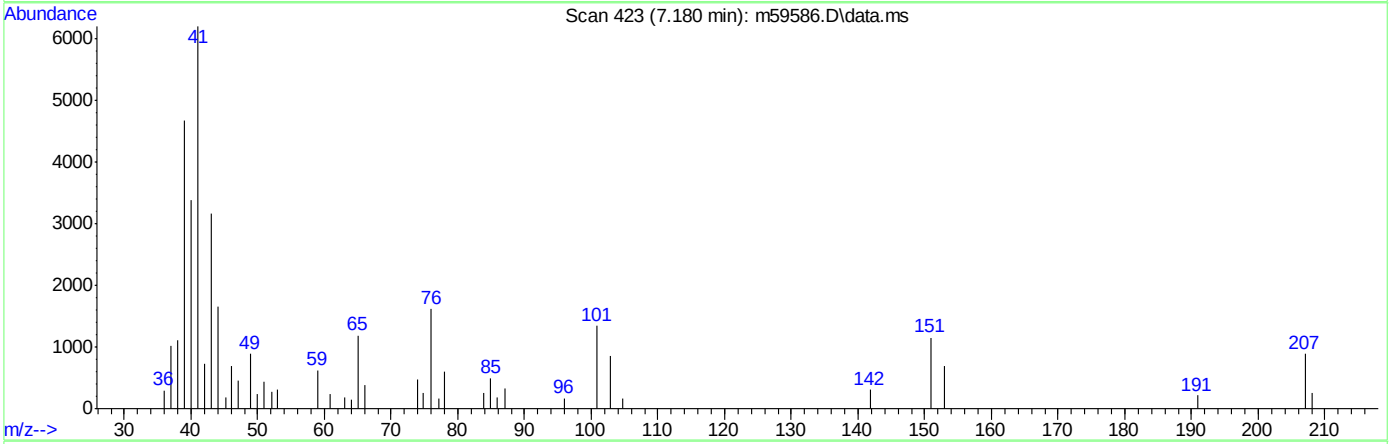
Ion	Exp%	Act%
43.00	100	100
74.00	19.10	16.07
59.00	13.90	16.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:04:25 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59586.D\data.ms

(17) Methyl Acetate (M)

7.180min (+0.061) 4.44ug/kg m

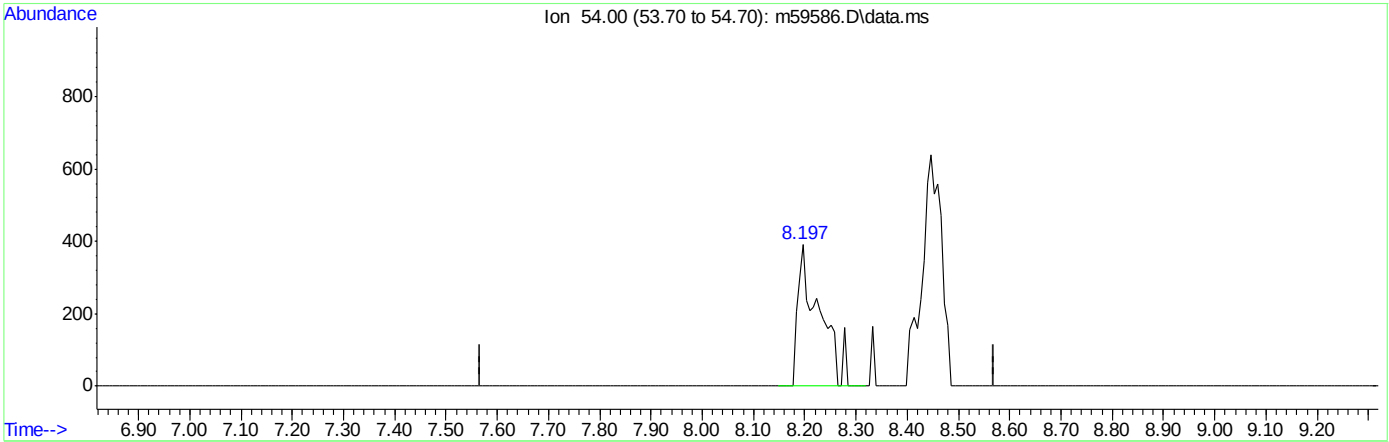
response 22951

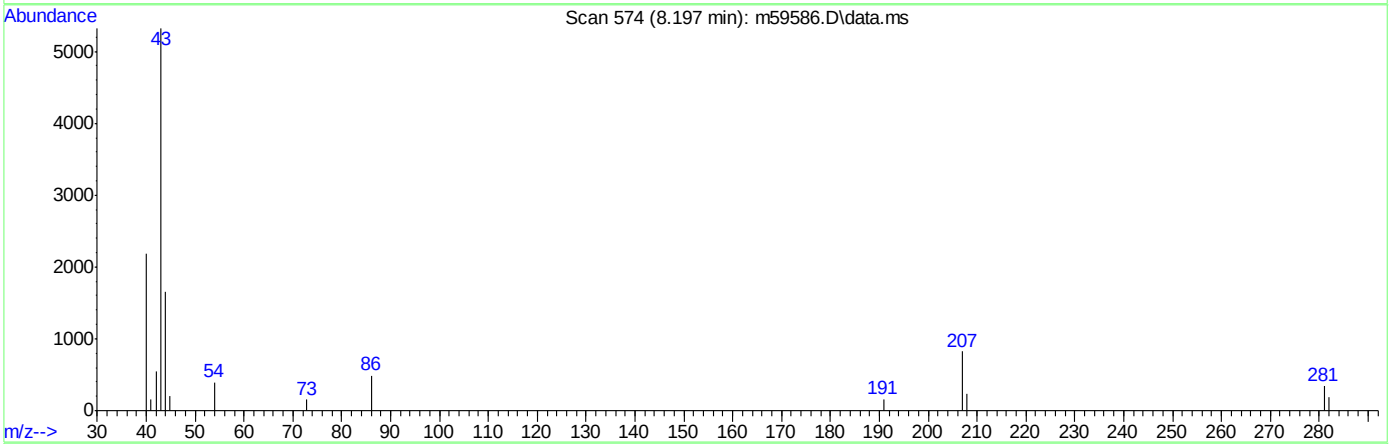
Ion	Exp%	Act%
43.00	100	100
74.00	19.10	14.88
59.00	13.90	19.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:04:25 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59586.D\data.ms

(25) propionitrile (M)

8.197min (+0.128) 2.26ug/kg m

response 1148

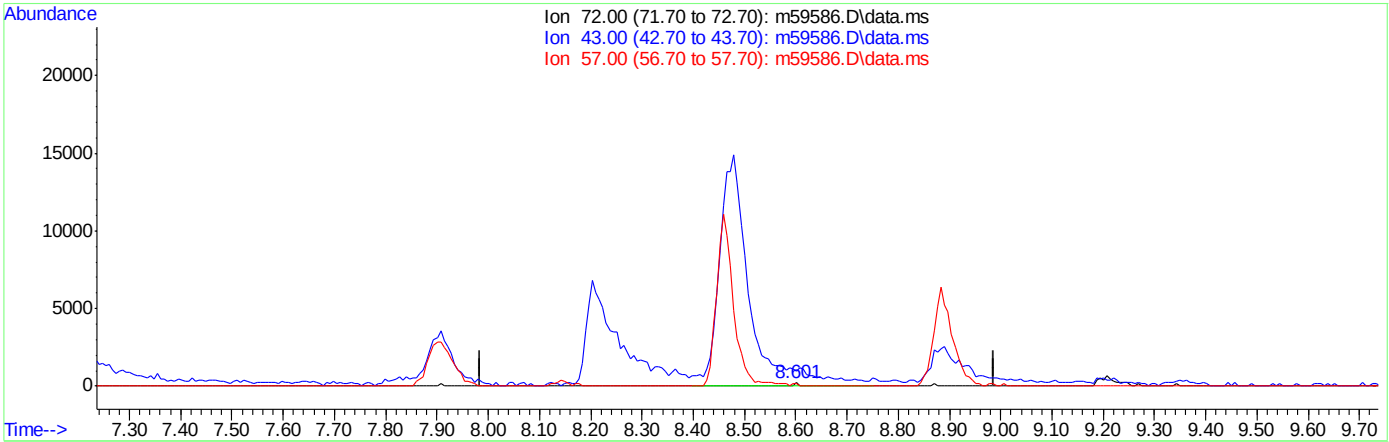
Ion	Exp%	Act%
54.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

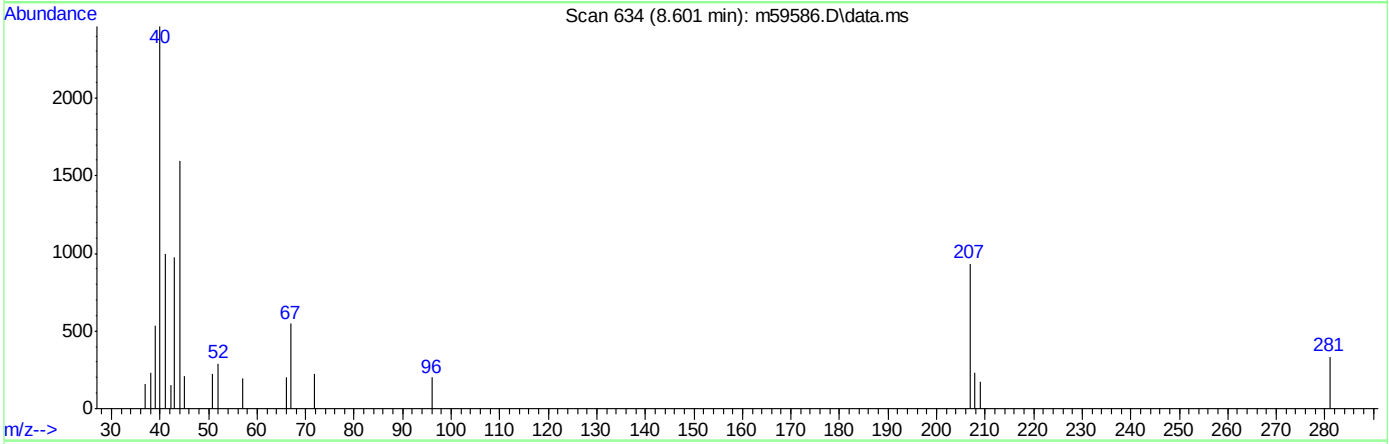
ACCUTEST LABORATORIES MC24849

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:04:25 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59586.D\data.ms

(30) 2-butanone (M)

8.601min (+0.114) 0.23ug/kg m

response 91

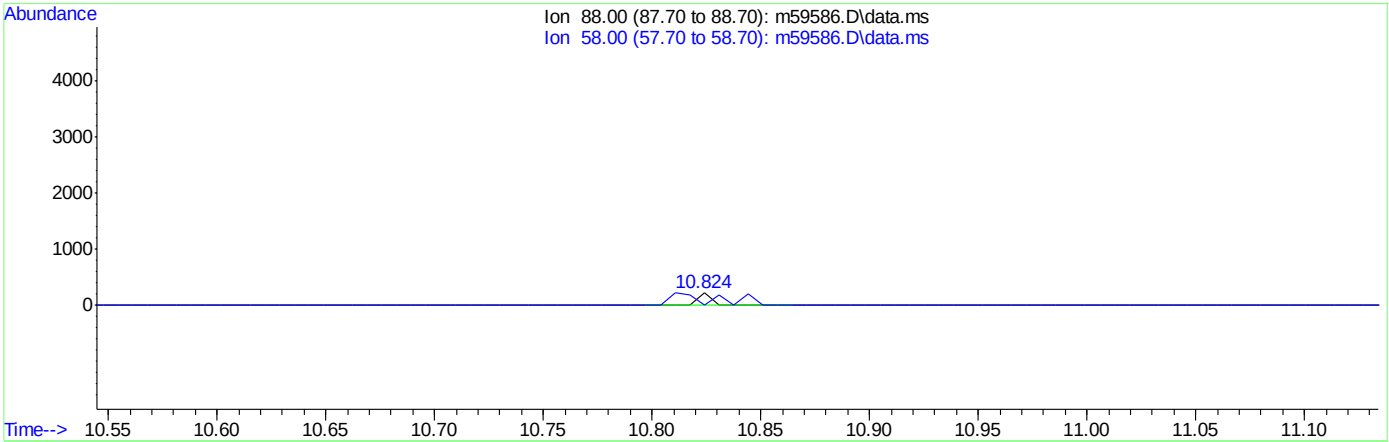
Ion	Exp%	Act%
72.00	100	100
43.00	1454.20	433.78#
57.00	137.70	86.67#
0.00	0.00	0.00

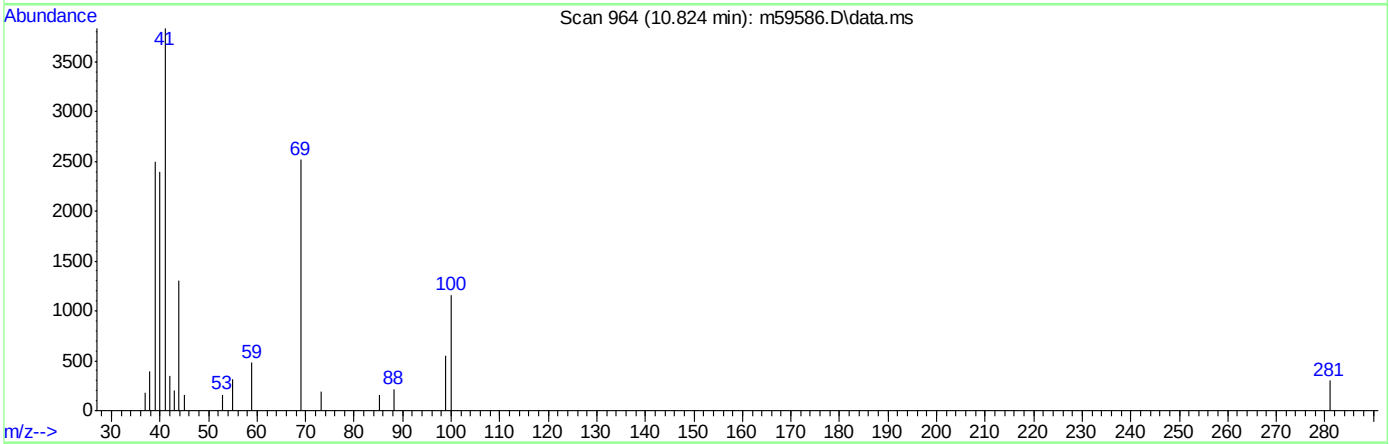
ACCUTEST LABORATORIES MC24849

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59586.D
Acq On : 25 Sep 2013 9:57 pm
Operator : krystend
Sample : IC2064-5
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:04:25 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59586.D\data.ms

(57) 1,4-dioxane (M)

10.824min (+0.020) 3.06ug/kg m

response 88

Ion	Exp%	Act%
88.00	100	100
58.00	102.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/26/13 08:18

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59587.D
Acq On : 25 Sep 2013 10:26 pm
Operator : krystend
Sample : IC2064-10
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 26 07:11:17 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	99878	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	283389	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	432324	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	168903	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	208462	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	33858	9.38	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 18.76%#			
59) toluene-d8 (s)	12.043	98	112012	8.73	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 17.46%#			
81) bromofluorobenzene (s)	14.738	95	39255	9.79	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 19.58%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	42608	144.42	ug/kg	94
3) Ethanol	5.637	45	31325	935.09	ug/kg#	80
5) dichlorodifluoromethane	4.438	85	38084	10.34	ug/kg	97
6) chloromethane	4.687	50	58189	10.65	ug/kg	100
7) vinyl chloride	4.970	62	62117	10.66	ug/kg	94
8) bromomethane ...	5.502	96	31222	12.26	ug/kg	99
9) chloroethane	5.671	64	21475	11.08	ug/kg	99
10) ethyl ether	6.580	59	25812	9.52	ug/kg	96
11) acetonitrile	6.580	41	9172	10.12	ug/kg	82
12) trichlorofluoromethane	6.338	101	56657	10.96	ug/kg	94
13) freon-113	7.139	101	27985	11.33	ug/kg	85
14) acrolein	6.344	56	26155	38.61	ug/kg	95
15) 1,1-dichloroethene	6.944	96	33604	11.44	ug/kg	95
16) acetone	6.580	58	2066	6.59	ug/kg#	1
17) Methyl Acetate	7.153	43	43806	8.20	ug/kg	91
18) methylene chloride	7.099	84	34895	10.31	ug/kg	88
19) methyl tert butyl ether	7.900	73	70822	10.13	ug/kg	94
20) acrylonitrile	7.031	53	12116	8.07	ug/kg	91
21) allyl chloride	7.200	41	60913	9.40	ug/kg	89
22) trans-1,2-dichloroethene	7.813	96	36019	10.85	ug/kg	92
23) iodomethane	7.011	142	65451	10.17	ug/kg	99
24) carbon disulfide	7.388	76	102882	10.87	ug/kg	98
25) propionitrile	8.183	54	3503	6.66	ug/kg	100
26) vinyl acetate	8.190	43	69140	7.70	ug/kg	99
27) chloroprene	8.446	53	53190	8.63	ug/kg	91
28) di-isopropyl ether	8.486	45	132708	8.55	ug/kg	85
29) methacrylonitrile	8.614	41	19986	7.96	ug/kg	93
30) 2-butanone	8.547	72	2488m	6.19	ug/kg	
31) 1,1-dichloroethane	8.069	63	57515	10.16	ug/kg	98
32) tert-butyl ethyl ether	8.884	59	91362	8.98	ug/kg	98
33) isobutyl alcohol	8.884	43	22841	47.93	ug/kg	91
34) 2,2-dichloropropane	8.951	77	36548	11.22	ug/kg	97
35) cis-1,2-dichloroethene	8.662	96	39472	9.83	ug/kg	94
36) ethyl acetate	8.884	43	22689	9.60	ug/kg	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59587.D
Acq On : 25 Sep 2013 10:26 pm
Operator : krystend
Sample : IC2064-10
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 26 07:11:17 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	19463	9.84	ug/kg	96
38) chloroform	8.864	83	56349	9.44	ug/kg	99
40) Tetrahydrofuran	9.201	42	13252	10.59	ug/kg	96
41) 1,1,1-trichloroethane	9.632	97	48900	11.06	ug/kg	96
43) Cyclohexane	9.915	56	58389	10.27	ug/kg	89
44) carbon tetrachloride	10.002	117	47962	10.45	ug/kg	95
45) 1,1-dichloropropene	9.807	75	41914	9.86	ug/kg	91
46) benzene	10.029	78	131331	9.97	ug/kg	99
47) 1,2-dichloroethane	9.531	62	44468	9.90	ug/kg	100
48) tert-amyl methyl ether	10.150	73	69716	10.47	ug/kg	95
49) heptane	10.507	43	60824	9.35	ug/kg	94
50) trichloroethene	10.662	95	37512	10.20	ug/kg	89
51) 1,2-dichloropropane	10.622	63	36729	9.22	ug/kg	97
52) dibromomethane	10.602	93	20041	9.88	ug/kg	82
53) bromodichloromethane	10.716	83	46094	9.94	ug/kg	99
54) Methylcyclohexane	11.181	83	54248	9.73	ug/kg	94
55) 2-chloroethyl vinyl ether	11.093	63	13346	9.19	ug/kg	97
56) methyl methacrylate	10.811	69	17206	8.08	ug/kg	98
57) 1,4-dioxane	10.824	88	1067m	36.21	ug/kg	
58) cis-1,3-dichloropropene	11.336	75	50721	9.02	ug/kg	88
60) 4-methyl-2-pentanone	11.430	43	37772	8.88	ug/kg	99
61) toluene	12.117	92	81243	8.56	ug/kg	99
62) trans-1,3-dichloropropene	11.760	75	43008	9.12	ug/kg	89
63) 1,1,2-trichloroethane	11.929	83	24122	9.63	ug/kg	92
64) ethyl methacrylate	12.131	69	35142	7.52	ug/kg	94
66) tetrachloroethene	12.858	166	36838	10.93	ug/kg	97
67) 1,3-dichloropropane	12.165	76	45612	9.91	ug/kg	98
68) dibromochloromethane	12.461	129	41262	10.16	ug/kg	97
69) 1,2-dibromoethane	12.710	107	31979	10.29	ug/kg	99
70) 2-hexanone	12.293	43	27281	9.50	ug/kg	94
71) chlorobenzene	13.545	112	105801	10.17	ug/kg	92
72) 1,1,1,2-tetrachloroethane	13.465	131	40829	10.23	ug/kg	96
73) ethylbenzene	13.714	91	156318	9.59	ug/kg	96
74) m,p-xylene	13.903	106	130519	18.16	ug/kg	91
75) o-xylene	14.313	106	65728	8.99	ug/kg	87
76) styrene	14.239	104	99082	9.20	ug/kg	98
77) bromoform	14.071	173	25700	9.74	ug/kg	97
78) trans-1,4-dichloro-2-b...	14.462	53	11863	8.96	ug/kg#	84
80) isopropylbenzene	14.677	105	172629	10.11	ug/kg	94
82) bromobenzene	14.974	156	47471	10.85	ug/kg#	83
83) 1,1,2,2-tetrachloroethane	14.320	83	39830	9.80	ug/kg	99
84) 1,2,3-trichloropropane	14.468	75	40483	9.99	ug/kg	97
85) n-propylbenzene	15.122	91	185630	10.07	ug/kg	93
86) 2-chlorotoluene	15.243	91	111711	9.99	ug/kg	91
87) 4-chlorotoluene	15.324	91	108677	9.86	ug/kg	94
88) 1,3,5-trimethylbenzene	15.398	105	137839	9.44	ug/kg	93
89) tert-butylbenzene	15.701	91	76509	9.27	ug/kg	91
90) 1,2,4-trimethylbenzene	15.809	105	135531	9.38	ug/kg	99
91) sec-butylbenzene	15.930	105	192021	9.76	ug/kg	97
92) 1,3-dichlorobenzene	16.038	146	88856	10.34	ug/kg	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59587.D
Acq On : 25 Sep 2013 10:26 pm
Operator : krystend
Sample : IC2064-10
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 26 07:11:17 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

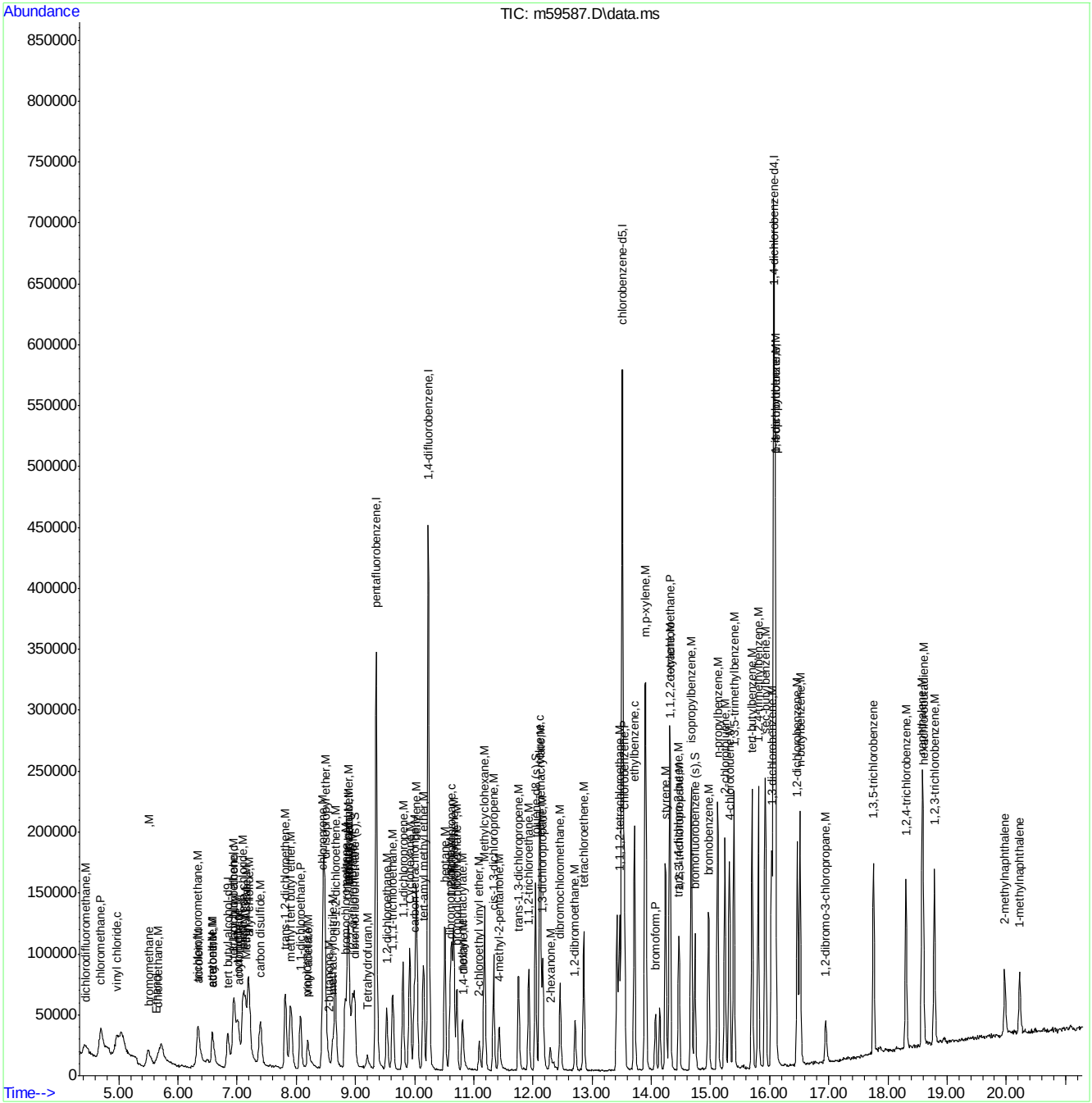
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	149001	9.15	ug/kg	95
94) 1,4-dichlorobenzene	16.099	146	87955	9.94	ug/kg	96
95) 1,2-dichlorobenzene	16.469	146	88713	10.34	ug/kg	98
96) n-butylbenzene	16.516	91	126843	9.39	ug/kg	91
97) 1,2-dibromo-3-chloropr...	16.947	75	8198	10.93	ug/kg	80
98) 1,3,5-trichlorobenzene	17.756	180	55461	10.32	ug/kg	99
99) 1,2,4-trichlorobenzene	18.308	180	53263	10.57	ug/kg	98
100) hexachlorobutadiene	18.598	225	30993	10.19	ug/kg	99
101) naphthalene	18.578	128	150663	9.22	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	54231	10.45	ug/kg	95
103) 2-methylnaphthalene	19.972	142	38178	4.70	ug/kg	96
104) 1-methylnaphthalene	20.228	TIC	139645	5.71	ug/kg	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59587.D
Acq On : 25 Sep 2013 10:26 pm
Operator : krystend
Sample : IC2064-10
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

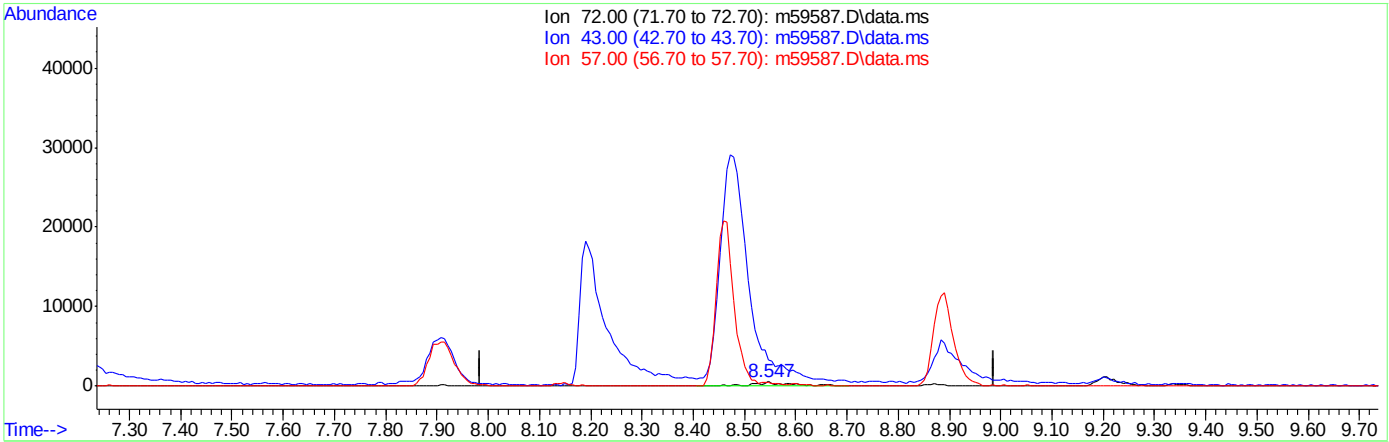
Quant Time: Sep 26 07:11:17 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

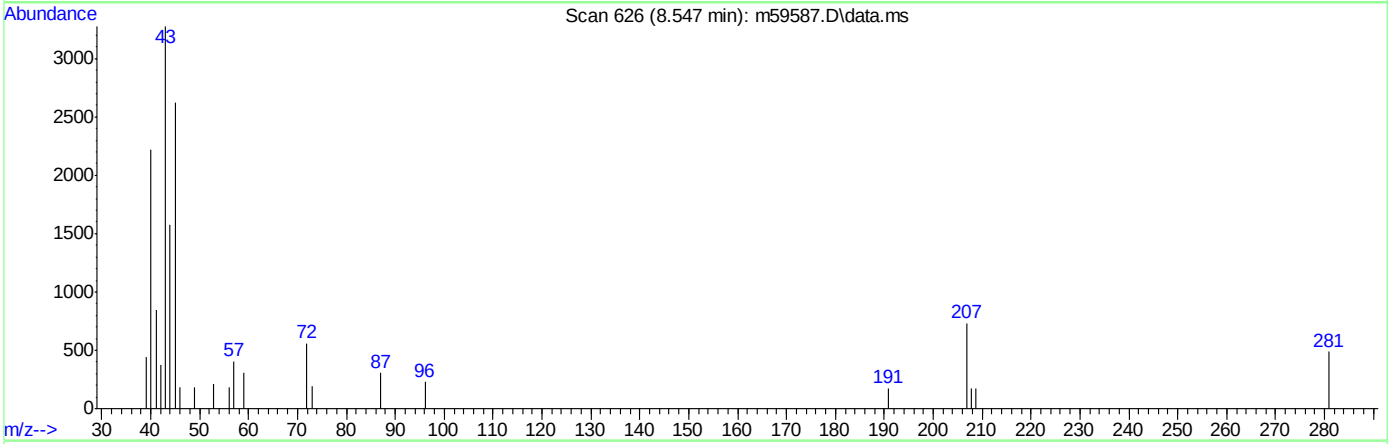


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59587.D
Acq On : 25 Sep 2013 10:26 pm
Operator : krystend
Sample : IC2064-10
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 26 07:04:28 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59587.D\data.ms

(30) 2-butanone (M)

8.547min (+0.061) 6.19ug/kg m

response 2488

Ion	Exp%	Act%
72.00	100	100
43.00	1454.20	587.10#
57.00	137.70	72.58#
0.00	0.00	0.00

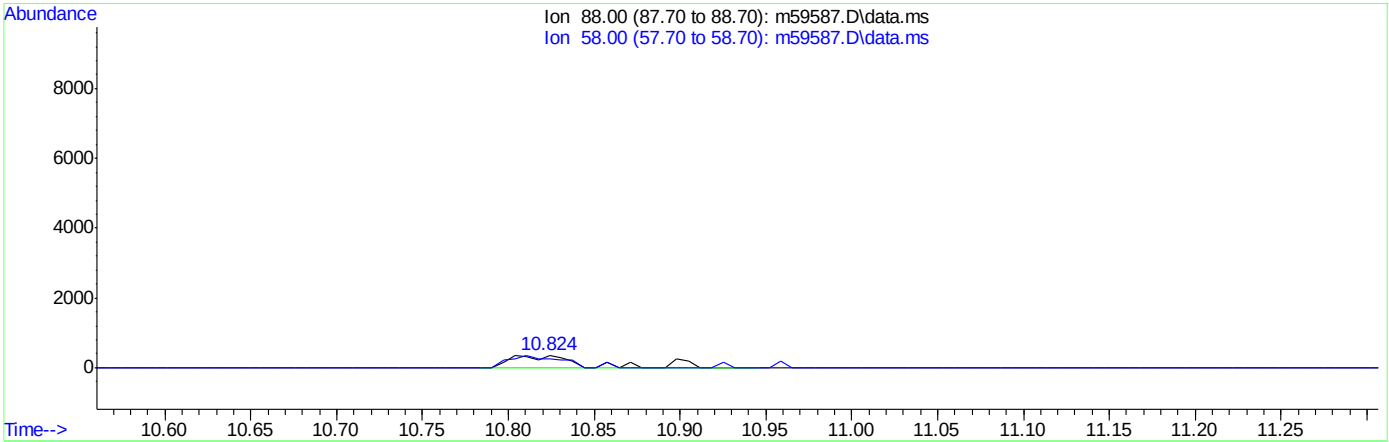
M59587.D edits: 2-butanone

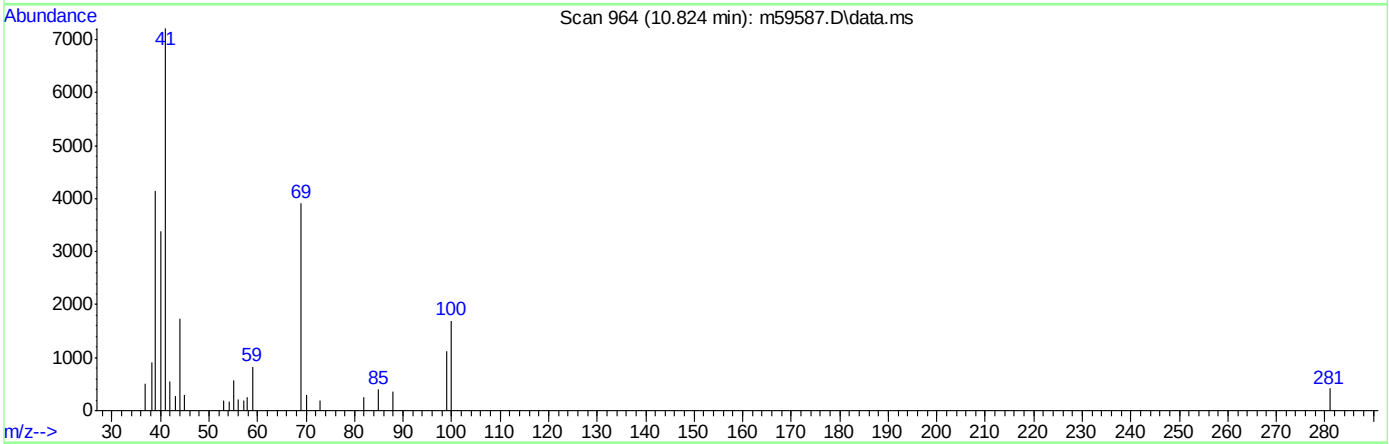
MC24849

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59587.D
Acq On : 25 Sep 2013 10:26 pm
Operator : krystend
Sample : IC2064-10
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 26 07:04:28 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59587.D\data.ms

(57) 1,4-dioxane (M)

10.824min (+0.020) 36.21ug/kg m

response 1067

Ion	Exp%	Act%
88.00	100	100
58.00	102.60	69.19#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59588.D
Acq On : 25 Sep 2013 10:55 pm
Operator : krystend
Sample : IC2064-20
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 26 07:04:31 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	97752	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	285763	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	442235	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	179201	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	217123	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	64703	17.77	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 35.54%#			
59) toluene-d8 (s)	12.043	98	220196	16.77	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 33.54%#			
81) bromofluorobenzene (s)	14.738	95	76733	18.37	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 36.74%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	59711	206.80	ug/kg	94
3) Ethanol	5.650	45	62397	1903.13	ug/kg#	67
5) dichlorodifluoromethane	4.458	85	72984	19.65	ug/kg	97
6) chloromethane	4.707	50	116446	21.14	ug/kg	98
7) vinyl chloride	4.984	62	130782	22.26	ug/kg	99
8) bromomethane ...	5.509	96	60404	23.53	ug/kg	98
9) chloroethane	5.684	64	42614	21.80	ug/kg	99
10) ethyl ether	6.580	59	52565	19.23	ug/kg	100
11) acetonitrile	6.587	41	14564	15.93	ug/kg	95
12) trichlorofluoromethane	6.338	101	110013	21.10	ug/kg	99
13) freon-113	7.139	101	59841	24.02	ug/kg	89
14) acrolein	6.344	56	53201	77.88	ug/kg	96
15) 1,1-dichloroethene	6.957	96	63564	21.46	ug/kg	90
16) acetone	6.560	58	4803	15.19	ug/kg	94
17) Methyl Acetate	7.139	43	83683	15.54	ug/kg	93
18) methylene chloride	7.106	84	69253	20.30	ug/kg	98
19) methyl tert butyl ether	7.914	73	140912	19.99	ug/kg	91
20) acrylonitrile	7.018	53	23733	15.69	ug/kg	99
21) allyl chloride	7.200	41	128156	19.61	ug/kg	93
22) trans-1,2-dichloroethene	7.813	96	68164	20.36	ug/kg	99
23) iodomethane	7.018	142	129835	20.00	ug/kg	95
24) carbon disulfide	7.395	76	199220	20.88	ug/kg	99
25) propionitrile	8.170	54	8831	16.66	ug/kg	100
26) vinyl acetate	8.183	43	144918	16.01	ug/kg	97
27) chloroprene	8.446	53	106799	17.19	ug/kg	94
28) di-isopropyl ether	8.486	45	263295	16.83	ug/kg	88
29) methacrylonitrile	8.614	41	40325	15.93	ug/kg	97
30) 2-butanone	8.520	72	5387	13.30	ug/kg#	86
31) 1,1-dichloroethane	8.069	63	112390	19.68	ug/kg	99
32) tert-butyl ethyl ether	8.884	59	183260	17.86	ug/kg	99
33) isobutyl alcohol	8.884	43	45131	93.92	ug/kg	94
34) 2,2-dichloropropane	8.951	77	69629	21.20	ug/kg	94
35) cis-1,2-dichloroethene	8.662	96	76310	18.85	ug/kg	98
36) ethyl acetate	8.884	43	45078	18.92	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59588.D
Acq On : 25 Sep 2013 10:55 pm
Operator : krystend
Sample : IC2064-20
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 26 07:04:31 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	37519	18.81	ug/kg	94
38) chloroform	8.864	83	108218	17.99	ug/kg	100
40) Tetrahydrofuran	9.207	42	25009	19.82	ug/kg	90
41) 1,1,1-trichloroethane	9.632	97	96501	21.64	ug/kg	97
43) Cyclohexane	9.915	56	117199	20.15	ug/kg	88
44) carbon tetrachloride	10.002	117	94073	20.03	ug/kg	98
45) 1,1-dichloropropene	9.807	75	83016	19.09	ug/kg	92
46) benzene	10.036	78	261678	19.42	ug/kg	98
47) 1,2-dichloroethane	9.531	62	88608	19.28	ug/kg	98
48) tert-amyl methyl ether	10.150	73	135752	19.94	ug/kg	97
49) heptane	10.514	43	117953	17.72	ug/kg	95
50) trichloroethene	10.662	95	72867	19.37	ug/kg	88
51) 1,2-dichloropropane	10.622	63	72352	17.76	ug/kg	99
52) dibromomethane	10.602	93	38735	18.67	ug/kg	89
53) bromodichloromethane	10.710	83	91376	19.26	ug/kg	100
54) Methylcyclohexane	11.181	83	110810	19.43	ug/kg	92
55) 2-chloroethyl vinyl ether	11.087	63	24993	16.83	ug/kg	98
56) methyl methacrylate	10.804	69	37915	17.41	ug/kg	94
57) 1,4-dioxane	10.824	88	2568	85.21	ug/kg	99
58) cis-1,3-dichloropropene	11.336	75	102445	17.82	ug/kg	95
60) 4-methyl-2-pentanone	11.424	43	76710	17.62	ug/kg	98
61) toluene	12.117	92	165190	17.02	ug/kg	99
62) trans-1,3-dichloropropene	11.754	75	86703	17.98	ug/kg	92
63) 1,1,2-trichloroethane	11.929	83	49156	19.18	ug/kg	98
64) ethyl methacrylate	12.124	69	71033	14.87	ug/kg	89
66) tetrachloroethene	12.858	166	71809	20.08	ug/kg	95
67) 1,3-dichloropropane	12.165	76	89023	18.23	ug/kg	96
68) dibromochloromethane	12.461	129	82718	19.20	ug/kg	99
69) 1,2-dibromoethane	12.710	107	64170	19.46	ug/kg	100
70) 2-hexanone	12.286	43	48204	15.81	ug/kg	100
71) chlorobenzene	13.546	112	214215	19.40	ug/kg	94
72) 1,1,1,2-tetrachloroethane	13.465	131	81604	19.28	ug/kg	97
73) ethylbenzene	13.714	91	312243	18.05	ug/kg	95
74) m,p-xylene	13.903	106	265238	34.78	ug/kg	95
75) o-xylene	14.313	106	136112	17.55	ug/kg	96
76) styrene	14.239	104	204696	17.92	ug/kg	97
77) bromoform	14.071	173	50873	18.18	ug/kg	97
78) trans-1,4-dichloro-2-b...	14.462	53	23560	16.78	ug/kg	94
80) isopropylbenzene	14.677	105	352011	19.78	ug/kg	96
82) bromobenzene	14.967	156	93701	20.56	ug/kg	87
83) 1,1,2,2-tetrachloroethane	14.320	83	79109	18.69	ug/kg	95
84) 1,2,3-trichloropropane	14.468	75	81333	19.26	ug/kg	99
85) n-propylbenzene	15.122	91	373219	19.44	ug/kg	93
86) 2-chlorotoluene	15.243	91	228809	19.64	ug/kg	91
87) 4-chlorotoluene	15.317	91	224830	19.58	ug/kg	90
88) 1,3,5-trimethylbenzene	15.398	105	285826	18.80	ug/kg	95
89) tert-butylbenzene	15.701	91	154717	18.00	ug/kg	87
90) 1,2,4-trimethylbenzene	15.809	105	280366	18.62	ug/kg	95
91) sec-butylbenzene	15.930	105	391583	19.10	ug/kg	95
92) 1,3-dichlorobenzene	16.031	146	182582	20.39	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59588.D
Acq On : 25 Sep 2013 10:55 pm
Operator : krystend
Sample : IC2064-20
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 26 07:04:31 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

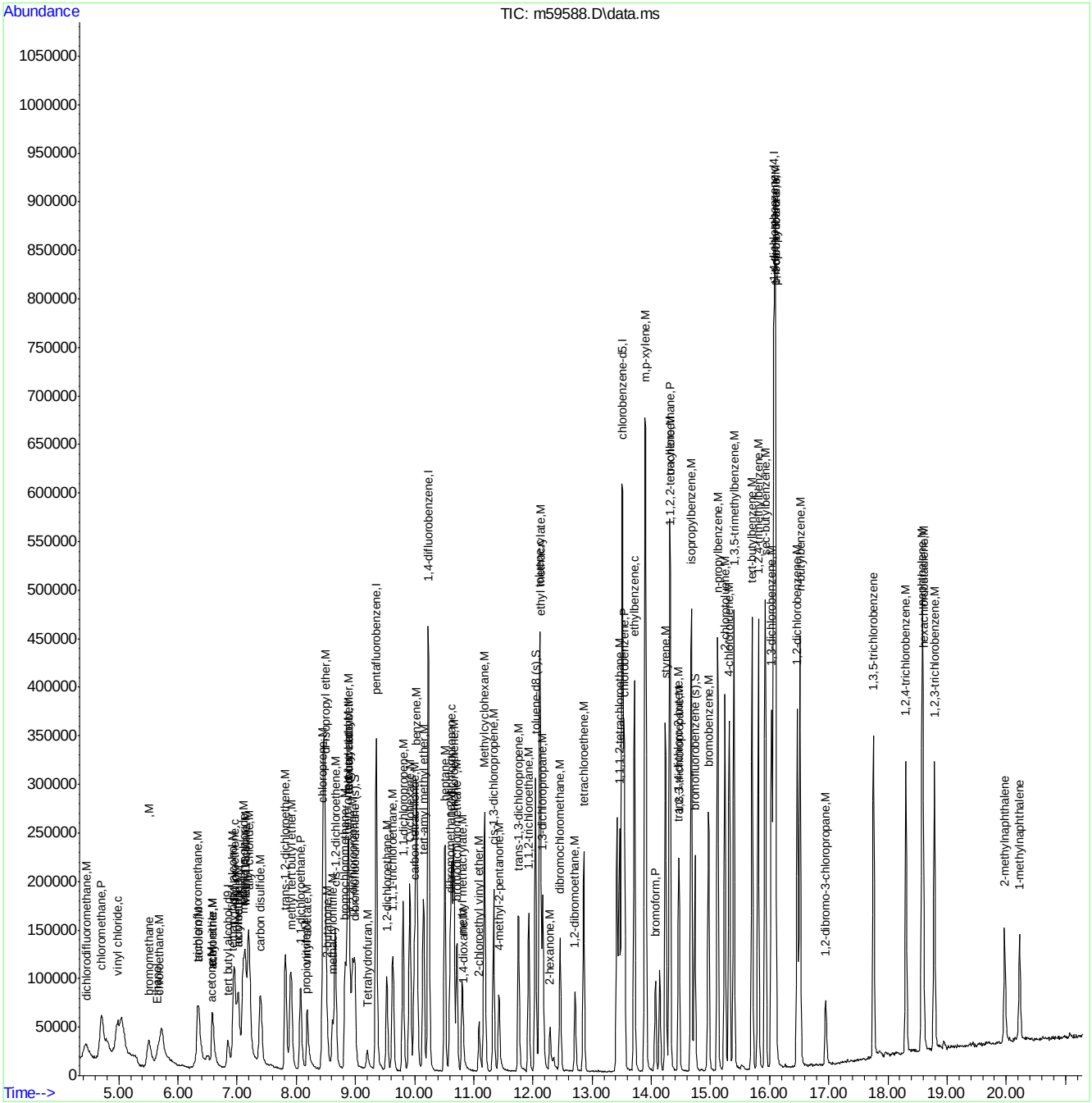
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	305955	18.04	ug/kg	97
94)	1,4-dichlorobenzene	16.099	146	178798	19.40	ug/kg	97
95)	1,2-dichlorobenzene	16.469	146	184201	20.62	ug/kg	97
96)	n-butylbenzene	16.516	91	267394	19.01	ug/kg	93
97)	1,2-dibromo-3-chloropr...	16.947	75	15858	20.29	ug/kg	83
98)	1,3,5-trichlorobenzene	17.756	180	118880	21.25	ug/kg	99
99)	1,2,4-trichlorobenzene	18.301	180	111545	21.26	ug/kg	98
100)	hexachlorobutadiene	18.598	225	62965	19.88	ug/kg	99
101)	naphthalene	18.578	128	313663	18.42	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	112080	20.73	ug/kg	92
103)	2-methylnaphthalene	19.979	142	81331	9.62	ug/kg	99
104)	1-methylnaphthalene	20.228	TIC	260471	10.23	ug/kg	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59588.D
Acq On : 25 Sep 2013 10:55 pm
Operator : krystend
Sample : IC2064-20
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 26 07:04:31 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/26/13 08:18

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59589.D
Acq On : 25 Sep 2013 11:24 pm
Operator : krystend
Sample : ICC2064-50
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 26 07:13:16 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.836	65	108224	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	288777	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	449089	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	193869	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	229799	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	197096	53.56	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 107.12%			
59) toluene-d8 (s)		12.043	98	687195	51.54	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 103.08%			
81) bromofluorobenzene (s)		14.738	95	240573	54.41	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 108.82%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	194107	607.20	ug/kg	98
3) Ethanol		5.644	45	204453	5632.49	ug/kg	94
5) dichlorodifluoromethane		4.424	85	191625	51.06	ug/kg	100
6) chloromethane		4.701	50	323914	58.20	ug/kg	98
7) vinyl chloride		4.970	62	314565	52.98	ug/kg	98
8) bromomethane	...	5.495	96	151910	58.56	ug/kg	97
9) chloroethane		5.671	64	116948m	59.19	ug/kg	
10) ethyl ether		6.573	59	148110	53.63	ug/kg	99
11) acetonitrile		6.573	41	40027	43.32	ug/kg	90
12) trichlorofluoromethane		6.331	101	300055	56.94	ug/kg	99
13) freon-113		7.146	101	162526	64.56	ug/kg	88
14) acrolein		6.324	56	166646	241.40	ug/kg	99
15) 1,1-dichloroethene		6.951	96	169585	56.67	ug/kg	95
16) acetone		6.479	58	19587	61.31	ug/kg#	67
17) Methyl Acetate		7.126	43	280707	51.57	ug/kg	95
18) methylene chloride		7.099	84	189996	55.10	ug/kg	94
19) methyl tert butyl ether		7.900	73	402913	56.57	ug/kg	91
20) acrylonitrile		7.004	53	80719	52.79	ug/kg	82
21) allyl chloride		7.193	41	343998	52.09	ug/kg	89
22) trans-1,2-dichloroethene		7.813	96	187050	55.28	ug/kg	95
23) iodomethane		7.011	142	366901	55.92	ug/kg	95
24) carbon disulfide		7.395	76	543859	56.41	ug/kg	100
25) propionitrile		8.156	54	28474	53.15	ug/kg	100
26) vinyl acetate		8.170	43	450551	49.27	ug/kg	100
27) chloroprene		8.446	53	305274	48.62	ug/kg	95
28) di-isopropyl ether		8.480	45	758511	47.98	ug/kg	93
29) methacrylonitrile		8.601	41	122870	48.03	ug/kg	95
30) 2-butanone		8.500	72	20200	49.34	ug/kg#	1
31) 1,1-dichloroethane		8.069	63	311221	53.93	ug/kg	99
32) tert-butyl ethyl ether		8.884	59	528426	50.96	ug/kg	97
33) isobutyl alcohol		8.891	43	144272	297.09	ug/kg	100
34) 2,2-dichloropropane		8.951	77	196014	59.06	ug/kg	97
35) cis-1,2-dichloroethene		8.655	96	213424	52.18	ug/kg	99
36) ethyl acetate		8.891	43	144202	59.89	ug/kg	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59589.D
Acq On : 25 Sep 2013 11:24 pm
Operator : krystend
Sample : ICC2064-50
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 26 07:13:16 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	108517	53.83	ug/kg	92
38) chloroform	8.864	83	309974	50.98	ug/kg	100
40) Tetrahydrofuran	9.194	42	74601	58.51	ug/kg	93
41) 1,1,1-trichloroethane	9.632	97	265448	58.90	ug/kg	98
43) Cyclohexane	9.915	56	333152	56.41	ug/kg	88
44) carbon tetrachloride	10.002	117	265519	55.67	ug/kg	97
45) 1,1-dichloropropene	9.807	75	234024	53.00	ug/kg	94
46) benzene	10.029	78	723099	52.85	ug/kg	99
47) 1,2-dichloroethane	9.524	62	254764	54.58	ug/kg	98
48) tert-amyl methyl ether	10.150	73	401152	58.02	ug/kg	97
49) heptane	10.507	43	340213	50.34	ug/kg	95
50) trichloroethene	10.656	95	205106	53.69	ug/kg	91
51) 1,2-dichloropropane	10.622	63	208946	50.50	ug/kg	100
52) dibromomethane	10.602	93	112811	53.55	ug/kg	88
53) bromodichloromethane	10.709	83	259618	53.88	ug/kg	100
54) Methylcyclohexane	11.181	83	317029	54.73	ug/kg	95
55) 2-chloroethyl vinyl ether	11.087	63	75397	50.00	ug/kg	98
56) methyl methacrylate	10.804	69	115219	52.11	ug/kg	92
57) 1,4-dioxane	10.804	88	9605	313.83	ug/kg	93
58) cis-1,3-dichloropropene	11.336	75	301803	51.69	ug/kg	96
60) 4-methyl-2-pentanone	11.424	43	246095	55.68	ug/kg	99
61) toluene	12.117	92	481567	48.85	ug/kg	97
62) trans-1,3-dichloropropene	11.754	75	255077	52.08	ug/kg	92
63) 1,1,2-trichloroethane	11.929	83	141095	54.23	ug/kg	95
64) ethyl methacrylate	12.124	69	223845	46.13	ug/kg	87
66) tetrachloroethene	12.858	166	205788	53.20	ug/kg	96
67) 1,3-dichloropropane	12.165	76	265177	50.19	ug/kg	100
68) dibromochloromethane	12.461	129	242935	52.13	ug/kg	98
69) 1,2-dibromoethane	12.710	107	189201	53.04	ug/kg	97
70) 2-hexanone	12.279	43	175557	53.24	ug/kg	100
71) chlorobenzene	13.539	112	605935	50.72	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.465	131	238588	52.10	ug/kg	97
73) ethylbenzene	13.714	91	909912	48.63	ug/kg	97
74) m,p-xylene	13.896	106	767691	93.06	ug/kg	95
75) o-xylene	14.313	106	399443	47.60	ug/kg	94
76) styrene	14.239	104	613051	49.60	ug/kg	96
77) bromoform	14.071	173	160838	53.13	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.462	53	80997	53.32	ug/kg	96
80) isopropylbenzene	14.677	105	1032199	54.82	ug/kg	95
82) bromobenzene	14.967	156	279206	57.90	ug/kg	86
83) 1,1,2,2-tetrachloroethane	14.320	83	273306	61.01	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	268642	60.11	ug/kg	99
85) n-propylbenzene	15.122	91	1105672	54.40	ug/kg	93
86) 2-chlorotoluene	15.243	91	658379	53.39	ug/kg	91
87) 4-chlorotoluene	15.317	91	647405	53.26	ug/kg	92
88) 1,3,5-trimethylbenzene	15.398	105	845491	52.55	ug/kg	96
89) tert-butylbenzene	15.708	91	466750	51.32	ug/kg	87
90) 1,2,4-trimethylbenzene	15.809	105	829791	52.07	ug/kg	96
91) sec-butylbenzene	15.923	105	1155939	53.28	ug/kg	96
92) 1,3-dichlorobenzene	16.031	146	525993	55.50	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59589.D
Acq On : 25 Sep 2013 11:24 pm
Operator : krystend
Sample : ICC2064-50
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 26 07:13:16 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

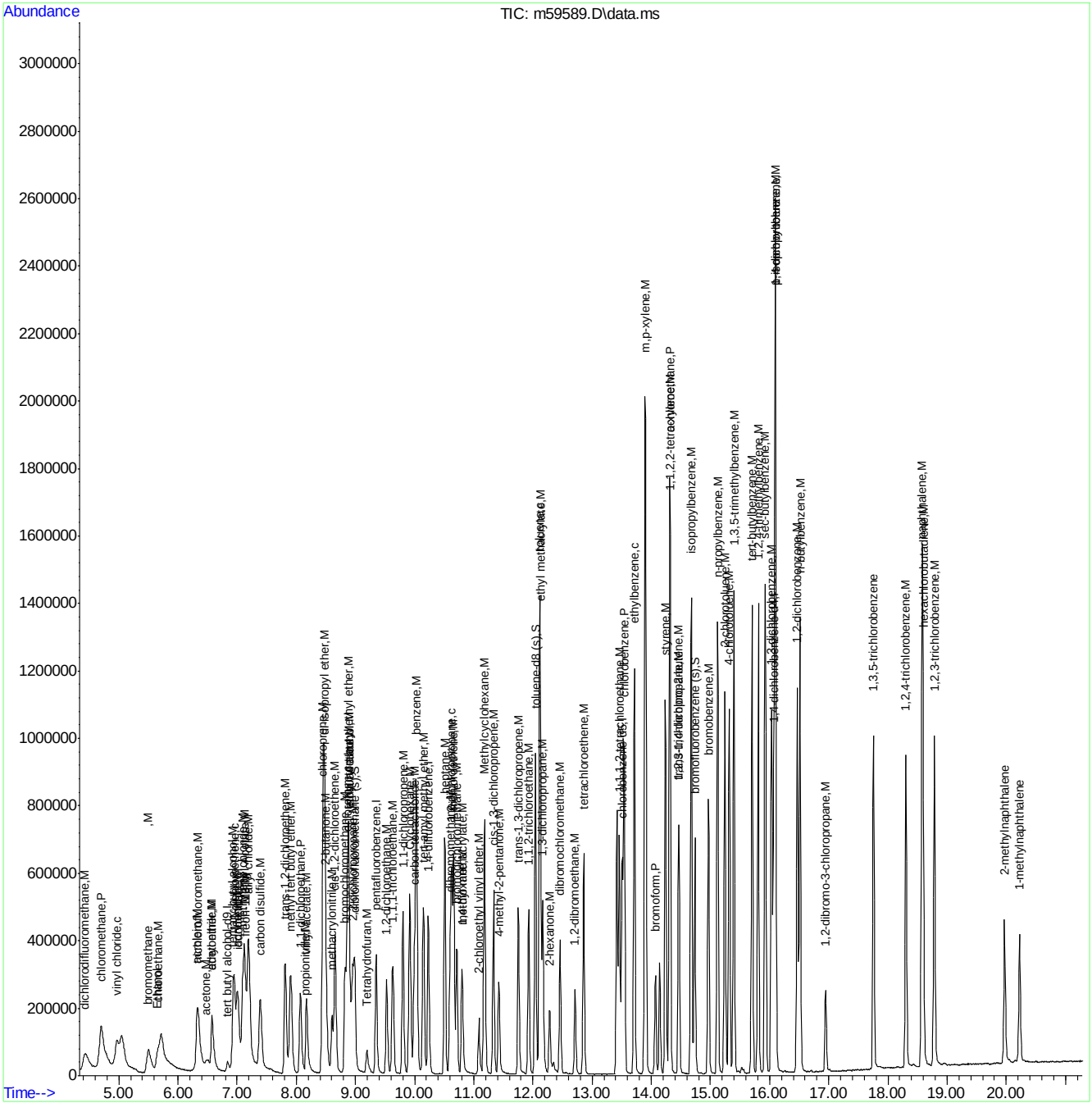
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	913287	50.88	ug/kg	95
94) 1,4-dichlorobenzene	16.099	146	535598	54.91	ug/kg	97
95) 1,2-dichlorobenzene	16.469	146	553700	58.56	ug/kg	98
96) n-butylbenzene	16.516	91	800255	53.76	ug/kg	93
97) 1,2-dibromo-3-chloropr...	16.947	75	54843	66.31	ug/kg	81
98) 1,3,5-trichlorobenzene	17.756	180	349613	59.03	ug/kg	100
99) 1,2,4-trichlorobenzene	18.301	180	352141	63.42	ug/kg	97
100) hexachlorobutadiene	18.598	225	194843	58.13	ug/kg	98
101) naphthalene	18.578	128	1130556	62.73	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	376638	65.83	ug/kg	94
103) 2-methylnaphthalene	19.972	142	278954	31.17	ug/kg	99
104) 1-methylnaphthalene	20.228	TIC	852156	31.62	ug/kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59589.D
Acq On : 25 Sep 2013 11:24 pm
Operator : krystend
Sample : ICC2064-50
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 26 07:13:16 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

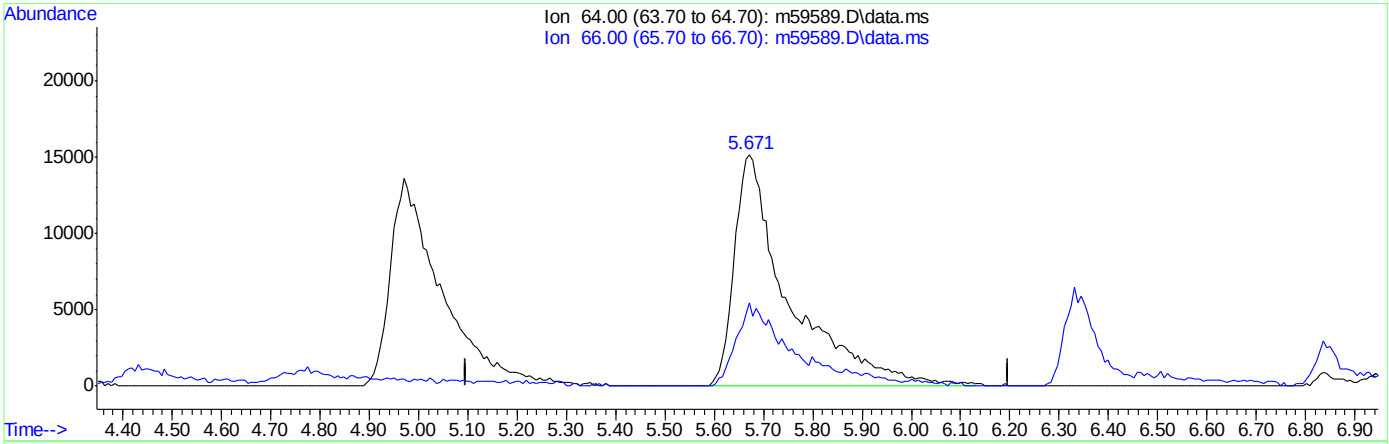


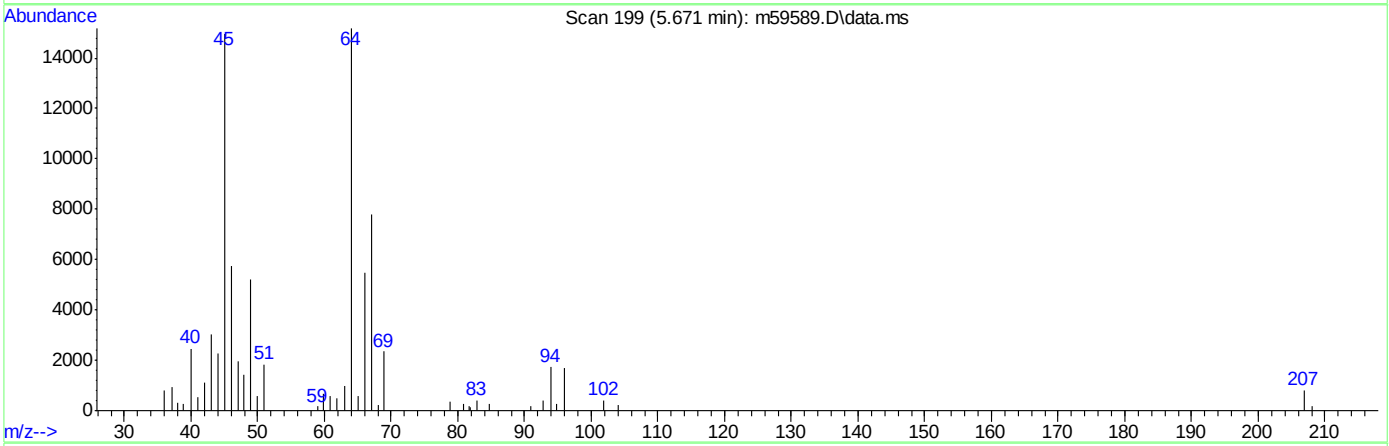
ACCUTEST LABORATORIES MC24849

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59589.D
Acq On : 25 Sep 2013 11:24 pm
Operator : krystend
Sample : ICC2064-50
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 26 07:04:34 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59589.D\data.ms

(9) chloroethane (M)

5.671min (-0.007) 59.19ug/kg m

response 116948

Ion	Exp%	Act%
64.00	100	100
66.00	31.60	36.21
0.00	0.00	0.00
0.00	0.00	0.00

M59590.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski 09/26/13 08:18

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59590.D
Acq On : 25 Sep 2013 11:53 pm
Operator : krystend
Sample : IC2064-100
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 26 07:14:32 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	113603	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	296826	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	460325	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	203643	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	238098	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	449809	118.93	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	237.86%#		
59) toluene-d8 (s)		12.043	98	1592452	116.52	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	233.04%#		
81) bromofluorobenzene (s)		14.738	95	574852	125.49	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	250.98%#		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.924	59	437833	1304.77	ug/kg	93
3) Ethanol		5.644	45	321007	8424.72	ug/kg	98
5) dichlorodifluoromethane		4.438	85	363877m	94.33	ug/kg	
6) chloromethane		4.701	50	526844	92.10	ug/kg	96
7) vinyl chloride		4.970	62	527894	86.49	ug/kg	98
8) bromomethane	...	5.502	96	244135	91.56	ug/kg	98
9) chloroethane		5.671	64	190286m	93.70	ug/kg	
10) ethyl ether		6.573	59	241816	85.19	ug/kg	99
11) acetonitrile		6.573	41	69517	73.20	ug/kg	93
12) trichlorofluoromethane		6.331	101	493253	91.06	ug/kg	98
13) freon-113		7.146	101	254393	98.32	ug/kg	87
14) acrolein		6.317	56	288744	406.92	ug/kg	100
15) 1,1-dichloroethene		6.944	96	273220	88.82	ug/kg	99
16) acetone		6.465	58	31433	95.72	ug/kg#	70
17) Methyl Acetate		7.119	43	473164	84.57	ug/kg	95
18) methylene chloride		7.099	84	309291	87.26	ug/kg	91
19) methyl tert butyl ether		7.907	73	646157	88.26	ug/kg	91
20) acrylonitrile		6.998	53	134501	85.58	ug/kg	90
21) allyl chloride		7.193	41	564984	83.24	ug/kg	92
22) trans-1,2-dichloroethene		7.813	96	305795	87.93	ug/kg	98
23) iodomethane		7.004	142	596026	88.38	ug/kg	96
24) carbon disulfide		7.388	76	891806	90.00	ug/kg	100
25) propionitrile		8.089	54	49058	89.09	ug/kg	100
26) vinyl acetate		8.170	43	758569	80.70	ug/kg	99
27) chloroprene		8.446	53	511448	79.24	ug/kg	92
28) di-isopropyl ether		8.480	45	1251427	77.02	ug/kg	94
29) methacrylonitrile		8.601	41	204944	77.95	ug/kg	96
30) 2-butanone		8.500	72	34015	80.84	ug/kg#	10
31) 1,1-dichloroethane		8.069	63	507934	85.63	ug/kg	99
32) tert-butyl ethyl ether		8.884	59	863087	80.98	ug/kg	97
33) isobutyl alcohol		8.891	43	234051	468.90	ug/kg	95
34) 2,2-dichloropropane		8.951	77	310007	90.88	ug/kg	98
35) cis-1,2-dichloroethene		8.655	96	340696	81.03	ug/kg	97
36) ethyl acetate		8.891	43	233988	94.54	ug/kg	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59590.D
Acq On : 25 Sep 2013 11:53 pm
Operator : krystend
Sample : IC2064-100
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 26 07:14:32 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	174891	84.41	ug/kg	93
38) chloroform	8.864	83	503099	80.50	ug/kg	96
40) Tetrahydrofuran	9.194	42	115451	88.10	ug/kg	89
41) 1,1,1-trichloroethane	9.632	97	424918	91.73	ug/kg	99
43) Cyclohexane	9.921	56	540638	89.31	ug/kg	88
44) carbon tetrachloride	10.002	117	431291	88.22	ug/kg	96
45) 1,1-dichloropropene	9.800	75	383332	84.69	ug/kg	95
46) benzene	10.029	78	1185713	84.55	ug/kg	99
47) 1,2-dichloroethane	9.524	62	415506	86.84	ug/kg	98
48) tert-amyl methyl ether	10.150	73	638369	90.07	ug/kg	97
49) heptane	10.507	43	551182	79.56	ug/kg	95
50) trichloroethene	10.655	95	334123	85.33	ug/kg	90
51) 1,2-dichloropropane	10.622	63	344458	81.22	ug/kg	99
52) dibromomethane	10.602	93	181561	84.09	ug/kg	85
53) bromodichloromethane	10.709	83	422823	85.61	ug/kg	100
54) Methylcyclohexane	11.181	83	514236	86.61	ug/kg	93
55) 2-chloroethyl vinyl ether	11.087	63	128601	83.21	ug/kg	97
56) methyl methacrylate	10.797	69	191431	84.46	ug/kg	91
57) 1,4-dioxane	10.804	88	14926	475.78	ug/kg	85
58) cis-1,3-dichloropropene	11.336	75	492316	82.26	ug/kg	94
60) 4-methyl-2-pentanone	11.423	43	390373	86.16	ug/kg	99
61) toluene	12.111	92	793575	78.53	ug/kg	97
62) trans-1,3-dichloropropene	11.754	75	414037	82.47	ug/kg	91
63) 1,1,2-trichloroethane	11.929	83	229666	86.11	ug/kg	94
64) ethyl methacrylate	12.124	69	382732	76.95	ug/kg	88
66) tetrachloroethene	12.858	166	336280	82.76	ug/kg	96
67) 1,3-dichloropropane	12.164	76	435721	78.51	ug/kg	99
68) dibromochloromethane	12.461	129	395532	80.80	ug/kg	97
69) 1,2-dibromoethane	12.710	107	305972	81.66	ug/kg	99
70) 2-hexanone	12.279	43	276946	79.95	ug/kg	100
71) chlorobenzene	13.539	112	995011	79.30	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.458	131	386099	80.26	ug/kg	97
73) ethylbenzene	13.714	91	1507417	76.70	ug/kg	97
74) m,p-xylene	13.896	106	1285210	148.31	ug/kg	97
75) o-xylene	14.313	106	665416	75.49	ug/kg	93
76) styrene	14.239	104	1023187	78.81	ug/kg	98
77) bromoform	14.071	173	258470	81.28	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.462	53	125817	78.85	ug/kg	98
80) isopropylbenzene	14.677	105	1723970	88.36	ug/kg	95
82) bromobenzene	14.967	156	459810	92.03	ug/kg	87
83) 1,1,2,2-tetrachloroethane	14.320	83	418409	90.14	ug/kg	98
84) 1,2,3-trichloropropane	14.462	75	427249	92.26	ug/kg	100
85) n-propylbenzene	15.122	91	1862780	88.46	ug/kg	93
86) 2-chlorotoluene	15.243	91	1119442	87.61	ug/kg	93
87) 4-chlorotoluene	15.317	91	1103506	87.62	ug/kg	93
88) 1,3,5-trimethylbenzene	15.398	105	1447137	86.80	ug/kg	96
89) tert-butylbenzene	15.708	91	795171	84.38	ug/kg	87
90) 1,2,4-trimethylbenzene	15.809	105	1425762	86.35	ug/kg	96
91) sec-butylbenzene	15.930	105	1973220	87.77	ug/kg	95
92) 1,3-dichlorobenzene	16.031	146	884962	90.13	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59590.D
Acq On : 25 Sep 2013 11:53 pm
Operator : krystend
Sample : IC2064-100
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 26 07:14:32 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

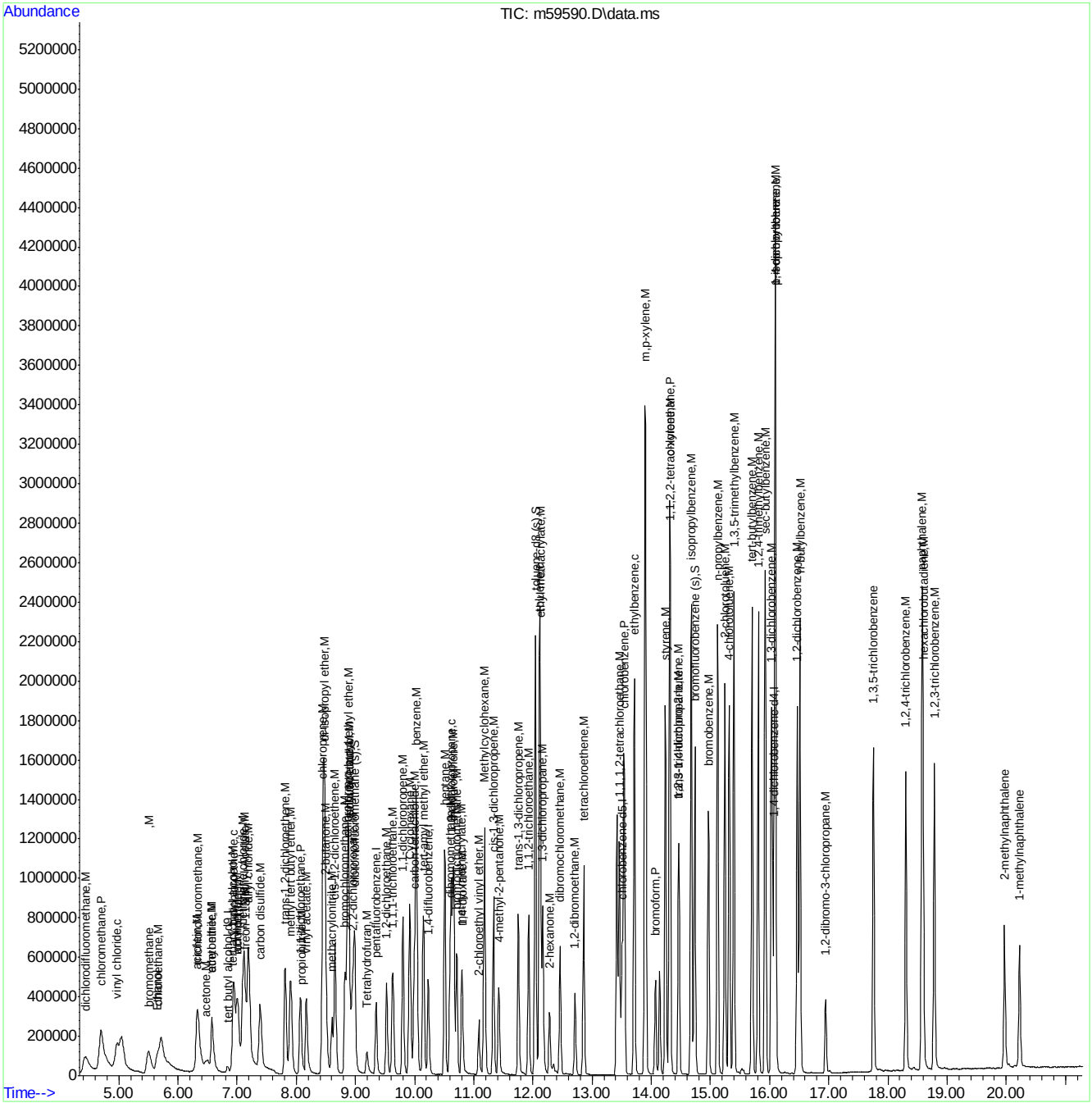
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.098	119	1584545	85.20	ug/kg	97
94) 1,4-dichlorobenzene	16.098	146	898259	88.89	ug/kg	97
95) 1,2-dichlorobenzene	16.469	146	898076	91.67	ug/kg	97
96) n-butylbenzene	16.516	91	1380229	89.48	ug/kg	92
97) 1,2-dibromo-3-chloropr...	16.947	75	83012	96.87	ug/kg#	74
98) 1,3,5-trichlorobenzene	17.756	180	588909	95.97	ug/kg	100
99) 1,2,4-trichlorobenzene	18.301	180	567264	98.60	ug/kg	99
100) hexachlorobutadiene	18.598	225	321539	92.58	ug/kg	98
101) naphthalene	18.577	128	1762738	94.40	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	590888	99.67	ug/kg	97
103) 2-methylnaphthalene	19.972	142	474903	51.22	ug/kg	98
104) 1-methylnaphthalene	20.228	TIC	1463373	52.40	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59590.D
Acq On : 25 Sep 2013 11:53 pm
Operator : krystend
Sample : IC2064-100
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

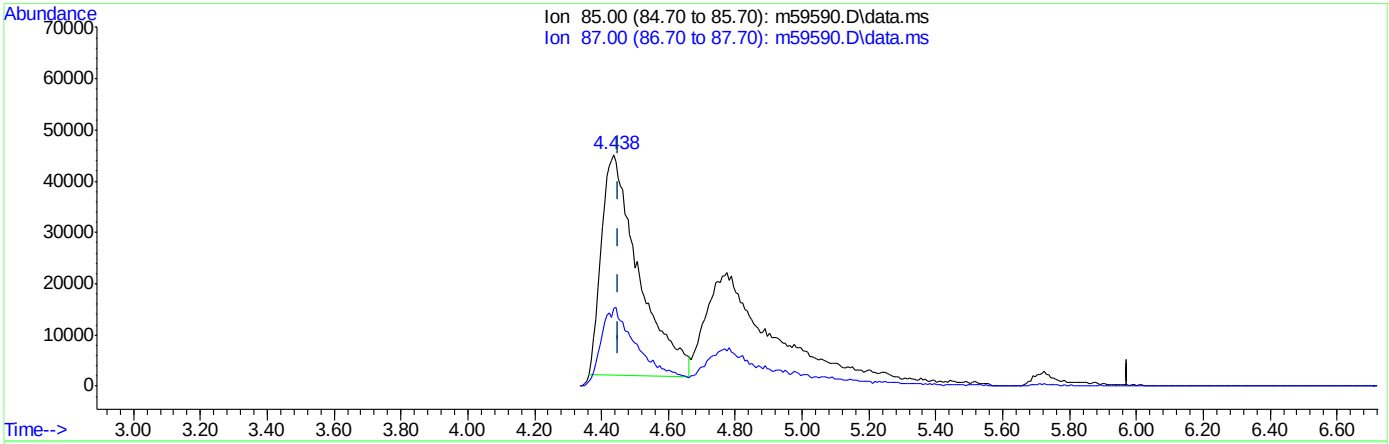
Quant Time: Sep 26 07:14:32 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

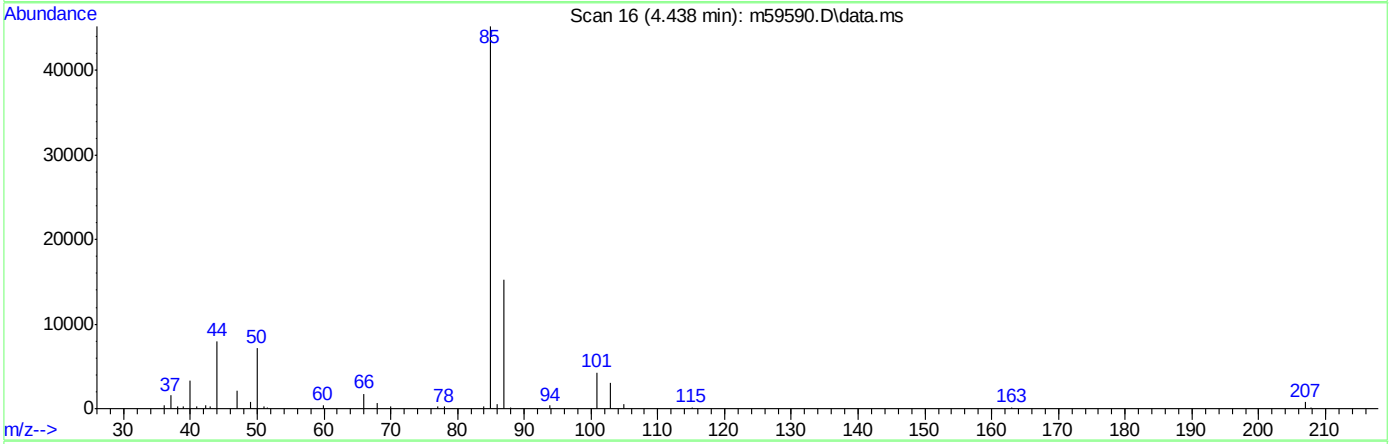


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59590.D
Acq On : 25 Sep 2013 11:53 pm
Operator : krystend
Sample : IC2064-100
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 26 07:04:37 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59590.D\data.ms

(5) dichlorodifluoromethane (M)

4.438min (-0.014) 85.31ug/kg

response 329095

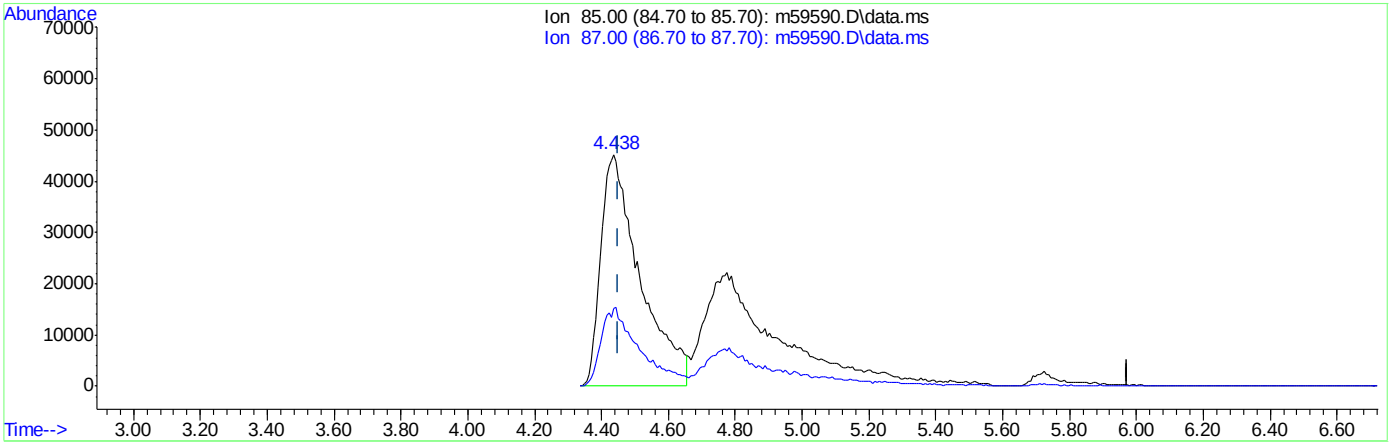
Ion	Exp%	Act%
85.00	100	100
87.00	32.10	33.18
0.00	0.00	0.00
0.00	0.00	0.00

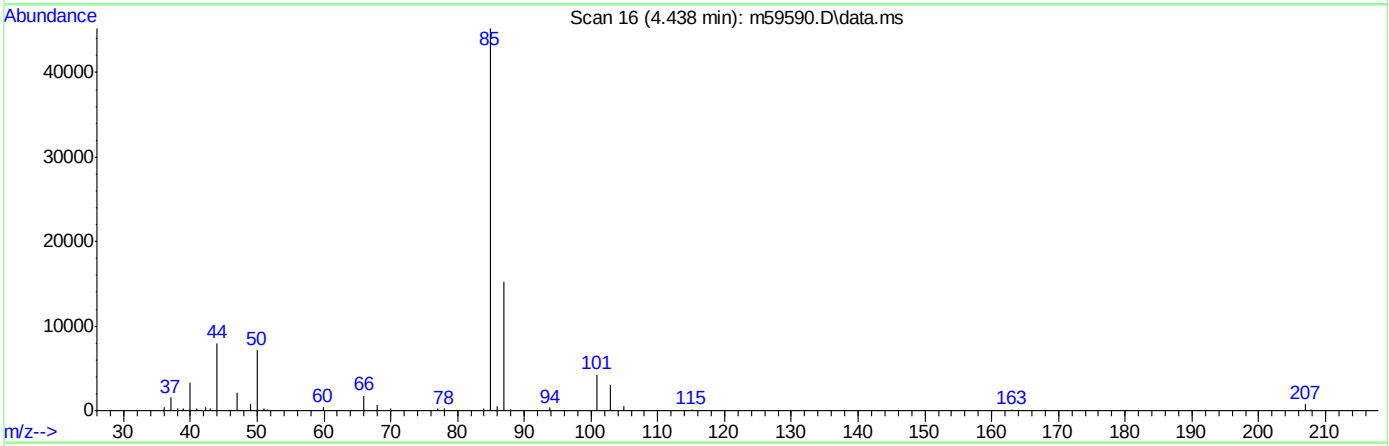
M59590.D edits: dichlorodifluoromethane

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59590.D
Acq On : 25 Sep 2013 11:53 pm
Operator : krystend
Sample : IC2064-100
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 26 07:04:37 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59590.D\data.ms

(5) dichlorodifluoromethane (M)

4.438min (-0.014) 94.33ug/kg m

response 363877

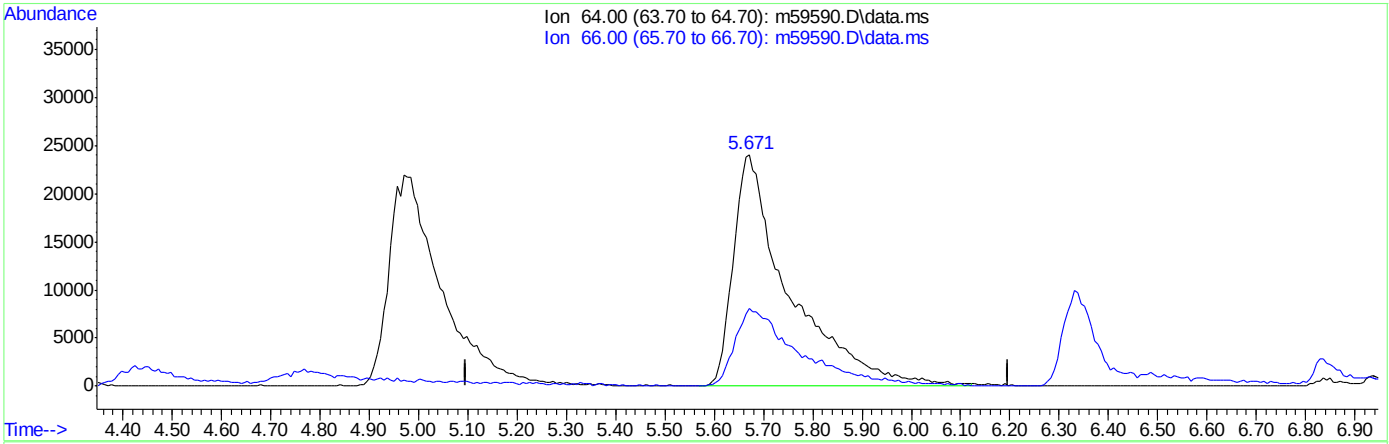
Ion	Exp%	Act%
85.00	100	100
87.00	32.10	33.77
0.00	0.00	0.00
0.00	0.00	0.00

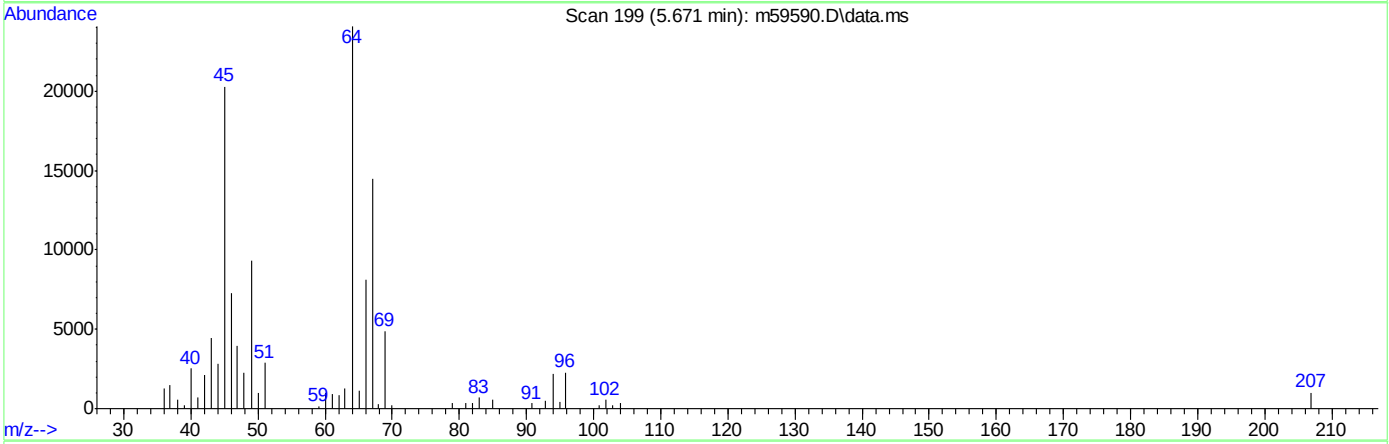
ACCUTEST LABORATORIES MC24849

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59590.D
Acq On : 25 Sep 2013 11:53 pm
Operator : krystend
Sample : IC2064-100
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 26 07:04:37 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59590.D\data.ms

(9) chloroethane (M)

5.671min (-0.007) 93.70ug/kg m

response 190286

Ion	Exp%	Act%
64.00	100	100
66.00	31.60	33.62
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC24849

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/26/13 08:18

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59591.D
Acq On : 26 Sep 2013 12:23 am
Operator : krystend
Sample : IC2064-200
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 26 07:16:19 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	118071	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	315919	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	489451	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	201223m	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	278549	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	790235	196.31	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 392.62%#			
59) toluene-d8 (s)	12.043	98	2842135	195.58	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 391.16%#			
81) bromofluorobenzene (s)	14.738	95	1076721	200.91	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 401.82%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	731519	2097.48	ug/kg	98
3) Ethanol	5.644	45	812752	20523.21	ug/kg	98
5) dichlorodifluoromethane	4.424	85	810652	197.44	ug/kg	99
6) chloromethane	4.694	50	1335668	219.38	ug/kg	97
7) vinyl chloride	4.970	62	1410736	217.17	ug/kg	97
8) bromomethane ...	5.502	96	628215	221.36	ug/kg	100
9) chloroethane	5.664	64	476793m	220.59	ug/kg	
10) ethyl ether	6.573	59	631656	209.07	ug/kg	97
11) acetonitrile	6.573	41	205707	203.51	ug/kg	95
12) trichlorofluoromethane	6.337	101	1223971	212.31	ug/kg	99
13) freon-113	7.146	101	599148	217.57	ug/kg	86
14) acrolein	6.317	56	760751	1007.32	ug/kg	99
15) 1,1-dichloroethene	6.950	96	702999	214.73	ug/kg	97
16) acetone	6.459	58	75983	217.40	ug/kg	98
17) Methyl Acetate	7.119	43	1221545	205.13	ug/kg	94
18) methylene chloride	7.099	84	786761m	208.56	ug/kg	
19) methyl tert butyl ether	7.900	73	1650586	211.84	ug/kg	91
20) acrylonitrile	6.991	53	345604	206.61	ug/kg	92
21) allyl chloride	7.193	41	1523716	210.91	ug/kg	90
22) trans-1,2-dichloroethene	7.813	96	778832	210.41	ug/kg	95
23) iodomethane	7.004	142	1540908	214.67	ug/kg	97
24) carbon disulfide	7.388	76	2287076	216.85	ug/kg	99
25) propionitrile	8.075	54	122141	208.40	ug/kg	100
26) vinyl acetate	8.163	43	2015729	201.49	ug/kg	99
27) chloroprene	8.446	53	1401081	203.96	ug/kg	92
28) di-isopropyl ether	8.480	45	3413266	197.37	ug/kg	97
29) methacrylonitrile	8.594	41	563169	201.24	ug/kg	92
30) 2-butanone	8.486	72	90217	201.44	ug/kg#	1
31) 1,1-dichloroethane	8.069	63	1339326	212.15	ug/kg	98
32) tert-butyl ethyl ether	8.884	59	2314804	204.07	ug/kg	97
33) isobutyl alcohol	8.890	43	562177	1058.21	ug/kg	99
34) 2,2-dichloropropane	8.951	77	791269	217.93	ug/kg	99
35) cis-1,2-dichloroethene	8.655	96	918508	205.25	ug/kg	97
36) ethyl acetate	8.890	43	562075	213.38	ug/kg	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59591.D
Acq On : 26 Sep 2013 12:23 am
Operator : krystend
Sample : IC2064-200
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 26 07:16:19 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	455238	206.43	ug/kg	96
38) chloroform	8.864	83	1347913	202.64	ug/kg	93
40) Tetrahydrofuran	9.194	42	290471	208.25	ug/kg	92
41) 1,1,1-trichloroethane	9.631	97	1081085	219.28	ug/kg	98
43) Cyclohexane	9.921	56	1406489	218.52	ug/kg	88
44) carbon tetrachloride	10.002	117	1120341	215.53	ug/kg	99
45) 1,1-dichloropropene	9.800	75	1023819	212.73	ug/kg	96
46) benzene	10.029	78	3153890	211.52	ug/kg	100
47) 1,2-dichloroethane	9.524	62	1082208	212.71	ug/kg	99
48) tert-amyl methyl ether	10.150	73	1644271	218.19	ug/kg	95
49) heptane	10.507	43	1538488	208.86	ug/kg	94
50) trichloroethene	10.655	95	892183	214.28	ug/kg	90
51) 1,2-dichloropropane	10.622	63	919484	203.91	ug/kg	100
52) dibromomethane	10.602	93	478124	208.25	ug/kg	87
53) bromodichloromethane	10.709	83	1106381	210.68	ug/kg	100
54) Methylcyclohexane	11.181	83	1372135	217.35	ug/kg	93
55) 2-chloroethyl vinyl ether	11.080	63	344168	209.43	ug/kg	97
56) methyl methacrylate	10.797	69	502669	208.58	ug/kg	88
57) 1,4-dioxane	10.804	88	36302	1088.31	ug/kg	90
58) cis-1,3-dichloropropene	11.336	75	1316134	206.81	ug/kg	94
60) 4-methyl-2-pentanone	11.417	43	1000903	207.77	ug/kg	99
61) toluene	12.117	92	2216503	206.29	ug/kg	97
62) trans-1,3-dichloropropene	11.753	75	1111448	208.21	ug/kg	90
63) 1,1,2-trichloroethane	11.929	83	597879	210.83	ug/kg	95
64) ethyl methacrylate	12.124	69	1072358	202.77	ug/kg	87
66) tetrachloroethene	12.858	166	881032	219.42	ug/kg	98
67) 1,3-dichloropropane	12.164	76	1192622	217.47	ug/kg	100
68) dibromochloromethane	12.461	129	1034593	213.89	ug/kg	97
69) 1,2-dibromoethane	12.710	107	808858	218.48	ug/kg	100
70) 2-hexanone	12.279	43	724426	211.66	ug/kg	99
71) chlorobenzene	13.539	112	2673997	215.67	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.464	131	1045185	219.88	ug/kg	97
73) ethylbenzene	13.714	91	4128723	212.61	ug/kg	97
74) m,p-xylene	13.896	106	3701133	432.24	ug/kg	98
75) o-xylene	14.313	106	1921292	220.58	ug/kg	95
76) styrene	14.239	104	2785451	217.12	ug/kg	98
77) bromoform	14.071	173	687103	218.67	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.461	53	352836	223.79	ug/kg	90
80) isopropylbenzene	14.677	105	4858337	212.85	ug/kg	96
82) bromobenzene	14.967	156	1252117	214.20	ug/kg	90
83) 1,1,2,2-tetrachloroethane	14.320	83	1170335	215.52	ug/kg	98
84) 1,2,3-trichloropropane	14.461	75	1163041	214.68	ug/kg	99
85) n-propylbenzene	15.122	91	5300080	215.14	ug/kg	94
86) 2-chlorotoluene	15.243	91	3201622	214.18	ug/kg	94
87) 4-chlorotoluene	15.317	91	3119552	211.74	ug/kg	95
88) 1,3,5-trimethylbenzene	15.398	105	4191956	214.93	ug/kg	97
89) tert-butylbenzene	15.708	91	2340422	212.28	ug/kg	90
90) 1,2,4-trimethylbenzene	15.809	105	4171853	215.98	ug/kg	98
91) sec-butylbenzene	15.930	105	5809896	220.91	ug/kg	95
92) 1,3-dichlorobenzene	16.031	146	2456599	213.86	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59591.D
Acq On : 26 Sep 2013 12:23 am
Operator : krystend
Sample : IC2064-200
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 26 07:16:19 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

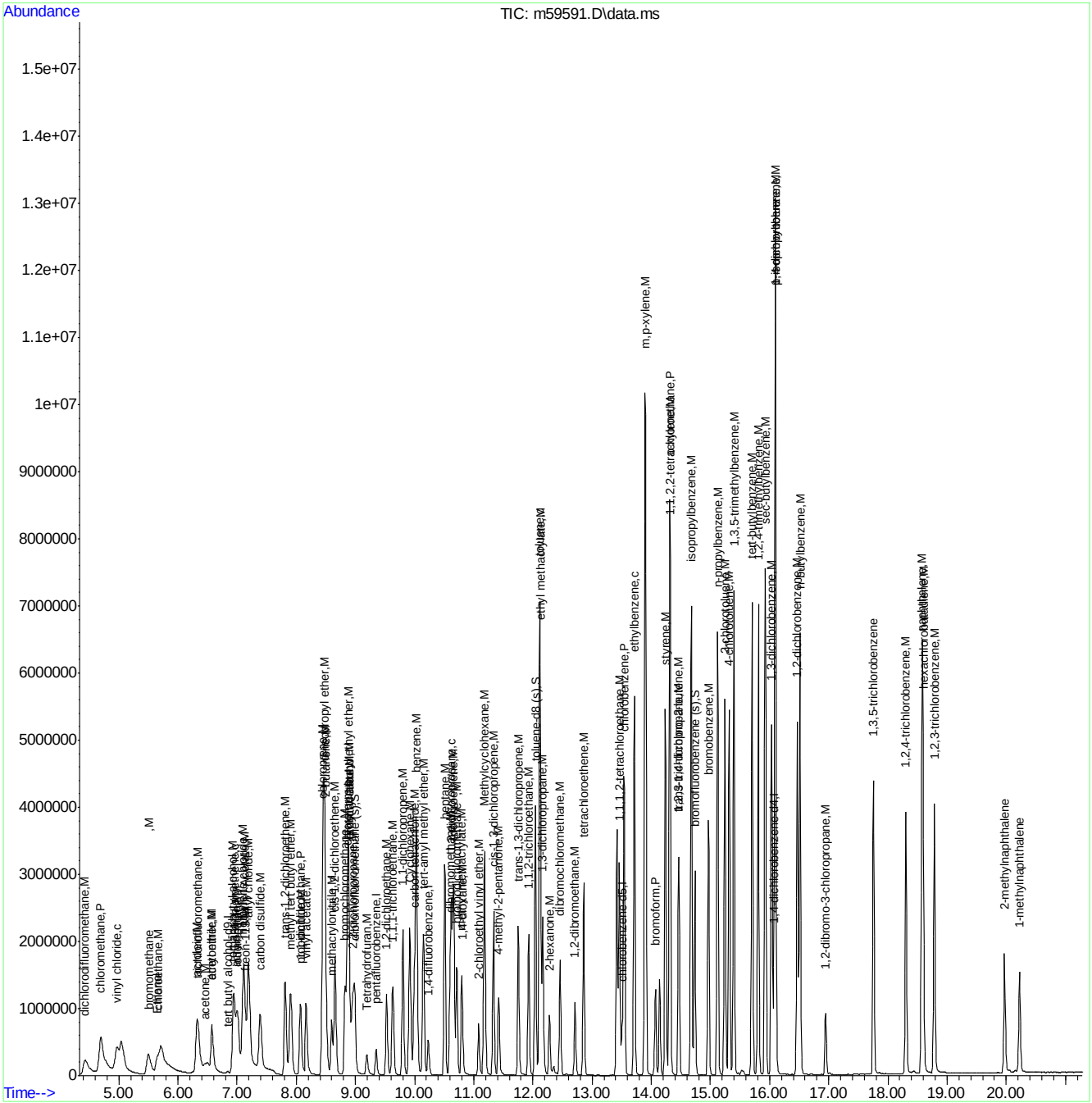
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.098	119	4621805	212.42	ug/kg	97
94) 1,4-dichlorobenzene	16.098	146	2529936	213.99	ug/kg	99
95) 1,2-dichlorobenzene	16.469	146	2441928	213.06	ug/kg	98
96) n-butylbenzene	16.516	91	3842366	212.93	ug/kg	93
97) 1,2-dibromo-3-chloropr...	16.947	75	216371	215.82	ug/kg	84
98) 1,3,5-trichlorobenzene	17.756	180	1503731	209.47	ug/kg	100
99) 1,2,4-trichlorobenzene	18.301	180	1435489	213.27	ug/kg	100
100) hexachlorobutadiene	18.598	225	858497	211.28	ug/kg	98
101) naphthalene	18.577	128	4562268	208.85	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	1497363	215.90	ug/kg	95
103) 2-methylnaphthalene	19.972	142	1139662	105.07	ug/kg	98
104) 1-methylnaphthalene	20.228	TIC	3469830	106.21	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59591.D
Acq On : 26 Sep 2013 12:23 am
Operator : krystend
Sample : IC2064-200
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

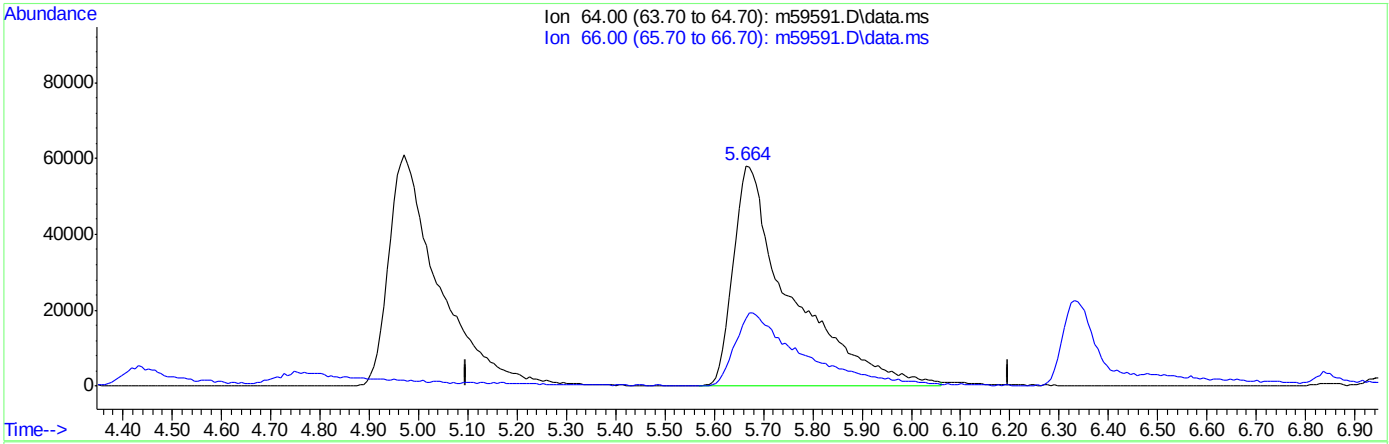
Quant Time: Sep 26 07:16:19 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

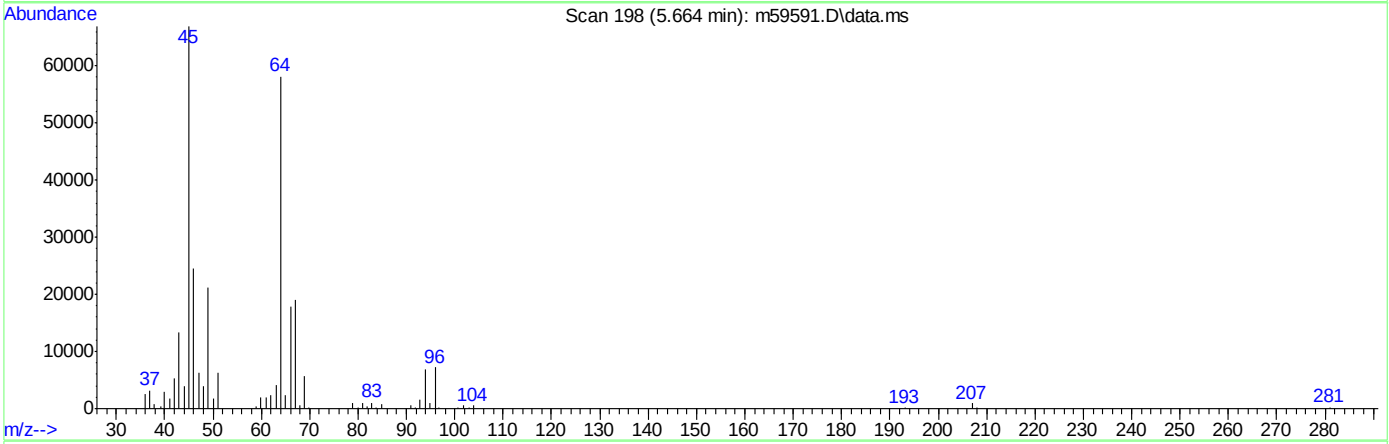


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59591.D
Acq On : 26 Sep 2013 12:23 am
Operator : krystend
Sample : IC2064-200
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 26 07:04:40 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59591.D\data.ms

(9) chloroethane (M)

5.664min (-0.014) 220.59ug/kg m

response 476793

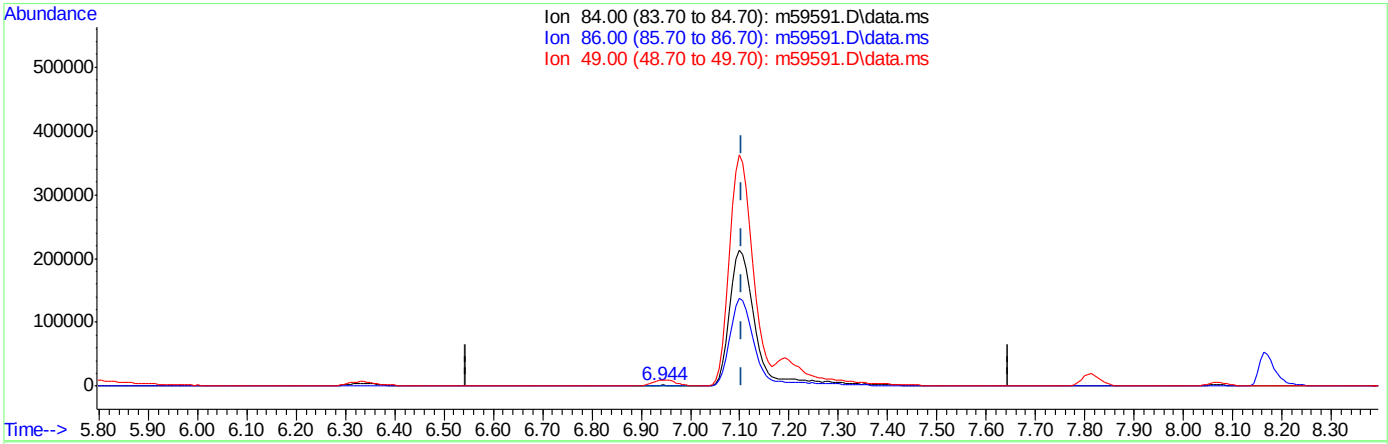
Ion	Exp%	Act%
64.00	100	100
66.00	31.60	30.70
0.00	0.00	0.00
0.00	0.00	0.00

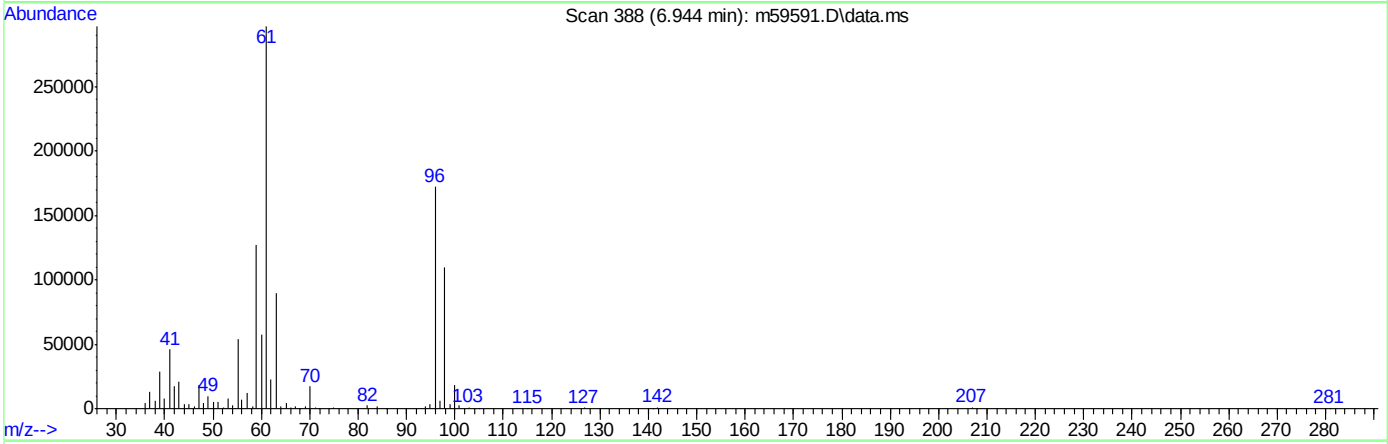
ACCUTEST LABORATORIES MC24849

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59591.D
Acq On : 26 Sep 2013 12:23 am
Operator : krystend
Sample : IC2064-200
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 26 07:04:40 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59591.D\data.ms

(18) methylene chloride (M)

6.944min (-0.162) 1.36ug/kg

response 5137

Ion	Exp%	Act%
84.00	100	100
86.00	67.20	13.46#
49.00	155.70	509.28#
0.00	0.00	0.00

ACCUTEST LABORATORIES MC24849

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59591.D
Acq On : 26 Sep 2013 12:23 am
Operator : krystend
Sample : IC2064-200
Misc : MS30022,MSM2064,5,,,5,1
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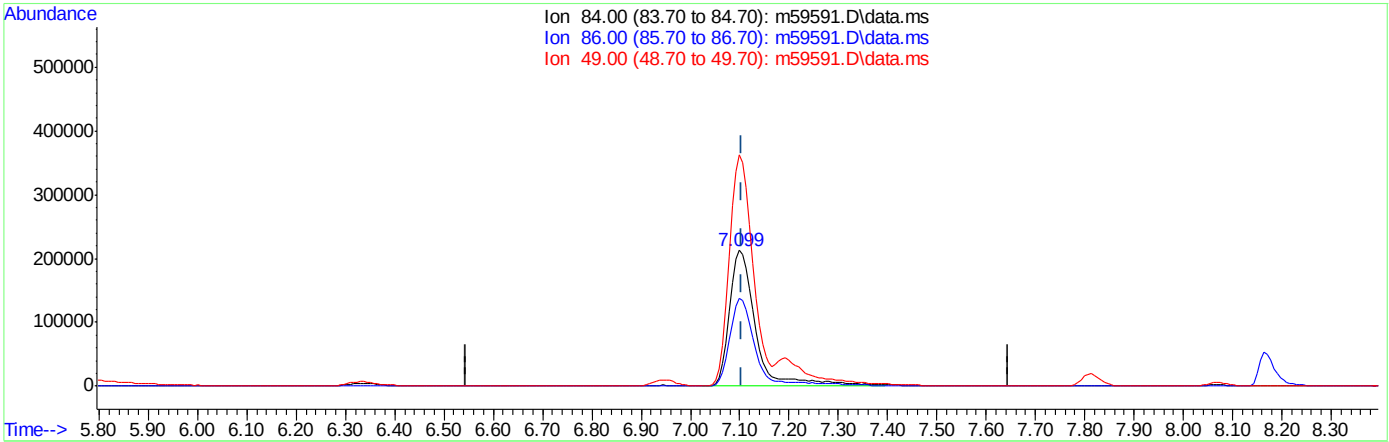
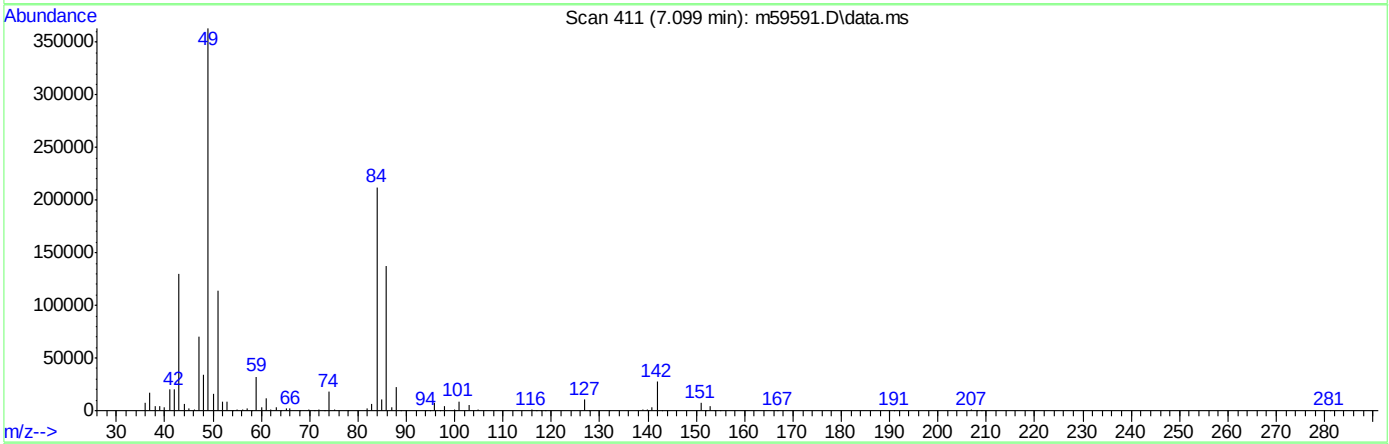
Quant Time: Sep 26 07:04:40 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59591.D\data.ms

(18) methylene chloride (M)

7.099min (-0.007) 208.56ug/kg m

response 786761

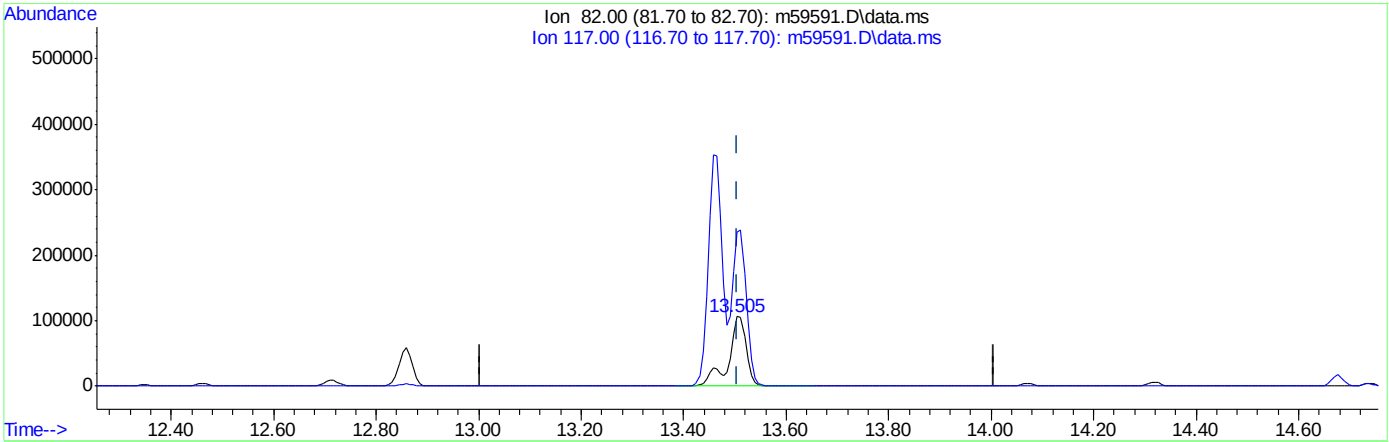
Ion	Exp%	Act%
84.00	100	100
86.00	67.20	64.58
49.00	155.70	170.90
0.00	0.00	0.00

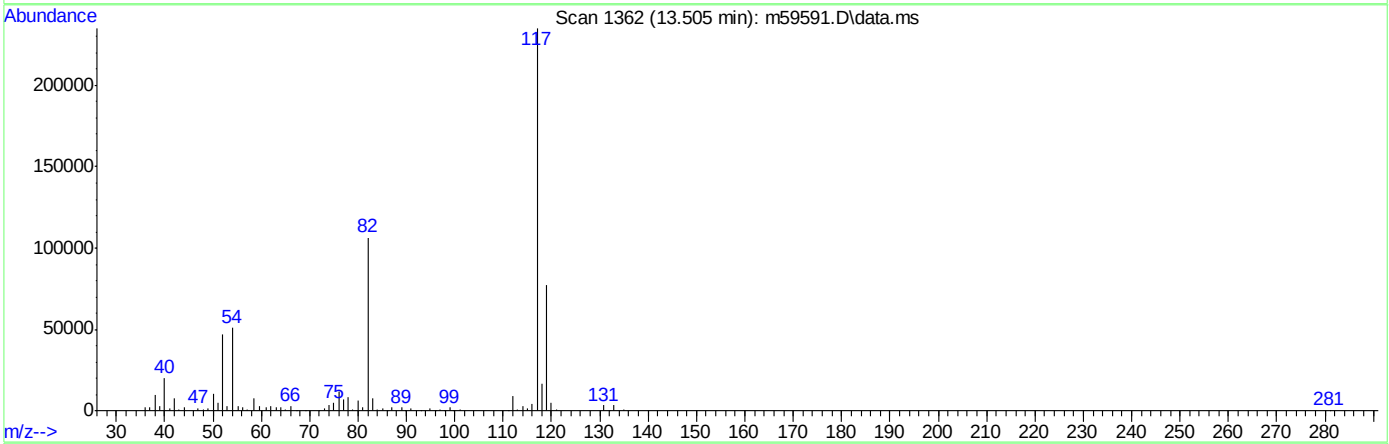
ACCUTEST LABORATORIES MC24849

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59591.D
Acq On : 26 Sep 2013 12:23 am
Operator : krystend
Sample : IC2064-200
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 26 07:04:40 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59591.D\data.ms

(65) chlorobenzene-d5 (I)

13.505min (-0.000) 50.00ug/kg

response 254596

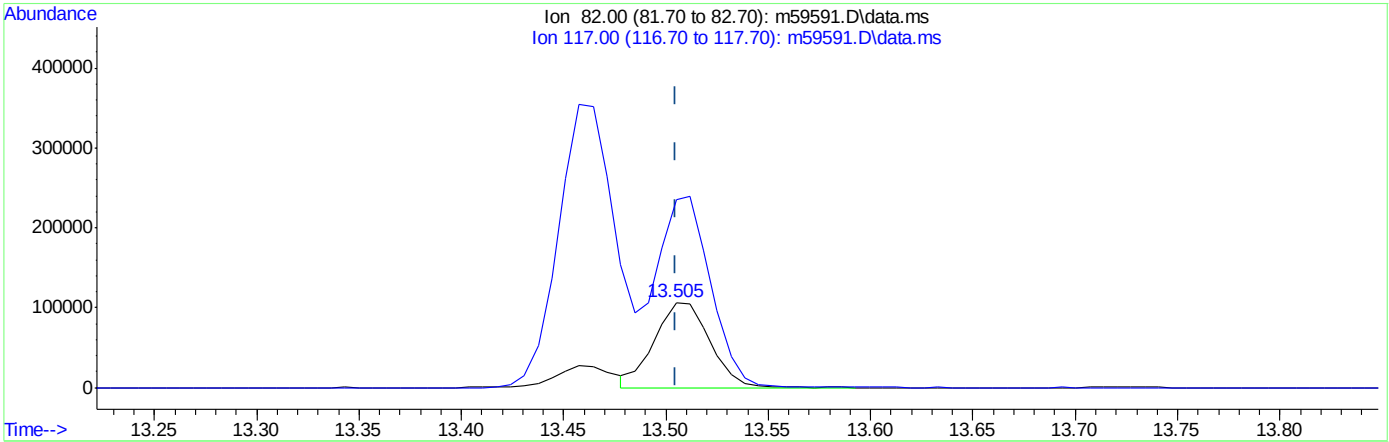
Ion	Exp%	Act%
82.00	100	100
117.00	198.50	220.73
0.00	0.00	0.00
0.00	0.00	0.00

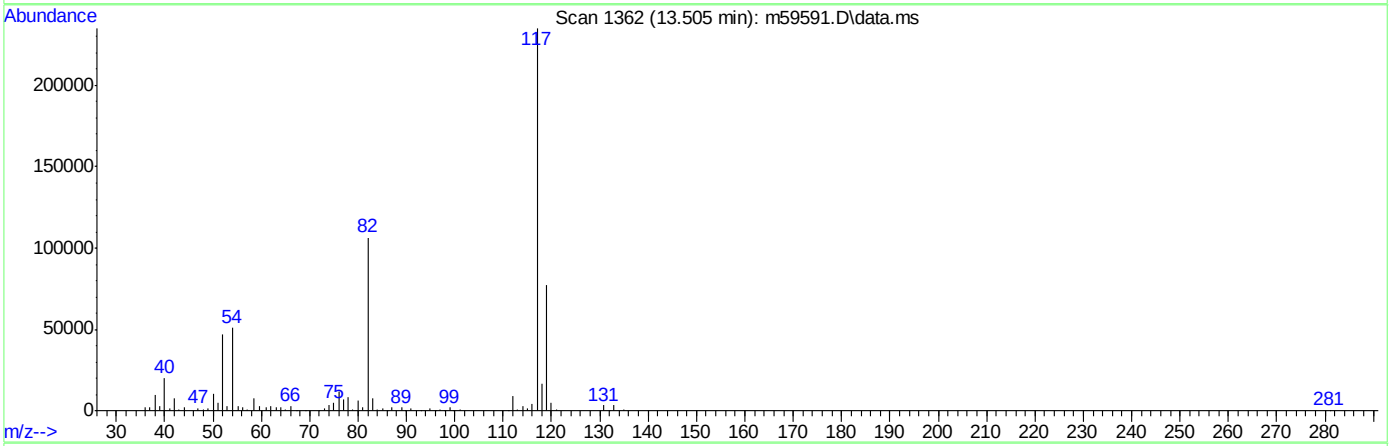
ACCUTEST LABORATORIES MC24849

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59591.D
Acq On : 26 Sep 2013 12:23 am
Operator : krystend
Sample : IC2064-200
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 26 07:04:40 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59591.D\data.ms

(65) chlorobenzene-d5 (I)

13.505min (-0.000) 50.00ug/kg m

response 201223

Ion	Exp%	Act%
82.00	100	100
117.00	198.50	220.73
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC24849

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/26/13 08:18

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 07:17:46 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	135325	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	354448	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	561759	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	238611m	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	322710	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	1987243	440.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	880.00%#		
59) toluene-d8 (s)		12.043	98	7339339	440.05	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	880.10%#		
81) bromofluorobenzene (s)		14.738	95	2731891	440.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	880.00%#		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	1602260	4008.39	ug/kg	98
3) Ethanol		5.651	45	1819357	40083.95	ug/kg	96
5) dichlorodifluoromethane		4.451	85	1734218	376.47	ug/kg	99
6) chloromethane		4.707	50	2732309	400.00	ug/kg	98
7) vinyl chloride		4.984	62	2908002	399.01	ug/kg	98
8) bromomethane	...	5.509	96	1271525m	399.34	ug/kg	
9) chloroethane		5.677	64	974525m	401.87	ug/kg	
10) ethyl ether		6.580	59	1353521	399.29	ug/kg	98
11) acetonitrile		6.573	41	453627	400.00	ug/kg	92
12) trichlorofluoromethane		6.338	101	2558476	395.56	ug/kg	96
13) freon-113		7.153	101	1246730	403.51	ug/kg	89
14) acrolein		6.324	56	1701034	2007.53	ug/kg	99
15) 1,1-dichloroethene		6.951	96	1471745	400.68	ug/kg	97
16) acetone		6.459	58	157286	401.10	ug/kg	91
17) Methyl Acetate		7.119	43	2677033	400.68	ug/kg	93
18) methylene chloride		7.106	84	1686681m	398.52	ug/kg	
19) methyl tert butyl ether		7.907	73	3497503	400.07	ug/kg	90
20) acrylonitrile		6.991	53	750678	400.00	ug/kg	90
21) allyl chloride		7.200	41	3327025	410.47	ug/kg	90
22) trans-1,2-dichloroethene		7.813	96	1661173	400.00	ug/kg	93
23) iodomethane		7.011	142	3222016	400.08	ug/kg	98
24) carbon disulfide		7.395	76	4743539	400.87	ug/kg	99
25) propionitrile		8.069	54	263029	400.00	ug/kg	100
26) vinyl acetate		8.163	43	4489754	400.00	ug/kg	99
27) chloroprene		8.446	53	3082228	399.91	ug/kg	93
28) di-isopropyl ether		8.487	45	7756315	399.76	ug/kg	97
29) methacrylonitrile		8.601	41	1255895	400.00	ug/kg	94
30) 2-butanone		8.487	72	200370	398.76	ug/kg#	1
31) 1,1-dichloroethane		8.076	63	2854505	403.01	ug/kg	98
32) tert-butyl ethyl ether		8.891	59	5090613	400.00	ug/kg	97
33) isobutyl alcohol		8.891	43	1175642	1972.41	ug/kg	97
34) 2,2-dichloropropane		8.958	77	1629267	399.96	ug/kg	98
35) cis-1,2-dichloroethene		8.655	96	2008307	400.00	ug/kg	96
36) ethyl acetate		8.891	43	1170790	396.14	ug/kg	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 07:17:46 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	989683	400.00	ug/kg	96
38) chloroform	8.864	83	2985134	400.00	ug/kg	94
40) Tetrahydrofuran	9.194	42	625960	400.00	ug/kg	95
41) 1,1,1-trichloroethane	9.632	97	2212541	400.00	ug/kg	99
43) Cyclohexane	9.921	56	2955251	400.05	ug/kg	86
44) carbon tetrachloride	10.002	117	2386739	400.05	ug/kg	98
45) 1,1-dichloropropene	9.807	75	2209731	400.05	ug/kg	97
46) benzene	10.029	78	6848581	400.19	ug/kg	100
47) 1,2-dichloroethane	9.524	62	2340477	400.82	ug/kg	99
48) tert-amyl methyl ether	10.150	73	3460187	400.05	ug/kg	95
49) heptane	10.507	43	3382080	400.05	ug/kg	93
50) trichloroethene	10.656	95	1962462	410.67	ug/kg	91
51) 1,2-dichloropropane	10.622	63	2070436	400.05	ug/kg	100
52) dibromomethane	10.602	93	1054151	400.05	ug/kg	90
53) bromodichloromethane	10.716	83	2411175	400.05	ug/kg	99
54) Methylcyclohexane	11.181	83	2898657	400.05	ug/kg	91
55) 2-chloroethyl vinyl ether	11.080	63	756168	400.92	ug/kg	98
56) methyl methacrylate	10.797	69	1106376	400.00	ug/kg	87
57) 1,4-dioxane	10.804	88	76578	2000.25	ug/kg	90
58) cis-1,3-dichloropropene	11.336	75	2921963	400.05	ug/kg	95
60) 4-methyl-2-pentanone	11.424	43	2211889	400.05	ug/kg	99
61) toluene	12.117	92	4933396	400.05	ug/kg	98
62) trans-1,3-dichloropropene	11.754	75	2450967	400.05	ug/kg	91
63) 1,1,2-trichloroethane	11.929	83	1302093	400.05	ug/kg	93
64) ethyl methacrylate	12.124	69	2428201	400.05	ug/kg	88
66) tetrachloroethene	12.858	166	1913274	401.84	ug/kg	98
67) 1,3-dichloropropane	12.165	76	2613191	401.84	ug/kg	99
68) dibromochloromethane	12.461	129	2304903	401.84	ug/kg	98
69) 1,2-dibromoethane	12.710	107	1764158	401.84	ug/kg	99
70) 2-hexanone	12.279	43	1630918	401.84	ug/kg	100
71) chlorobenzene	13.539	112	5908229	401.85	ug/kg	97
72) 1,1,1,2-tetrachloroethane	13.465	131	2265051	401.84	ug/kg	98
73) ethylbenzene	13.714	91	9253601	401.84	ug/kg	97
74) m,p-xylene	13.896	106	8160201	803.68	ug/kg	92
75) o-xylene	14.313	106	4150445	401.84	ug/kg	94
76) styrene	14.239	104	6113163	401.84	ug/kg	99
77) bromoform	14.071	173	1497275	401.84	ug/kg	100
78) trans-1,4-dichloro-2-b...	14.462	53	751267	401.84	ug/kg	95
80) isopropylbenzene	14.677	105	10577596	400.00	ug/kg	95
82) bromobenzene	14.967	156	2708865	400.00	ug/kg	90
83) 1,1,2,2-tetrachloroethane	14.320	83	2516458	400.00	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	2509849	399.89	ug/kg	99
85) n-propylbenzene	15.122	91	11416512	400.00	ug/kg	92
86) 2-chlorotoluene	15.243	91	6927159	400.00	ug/kg	95
87) 4-chlorotoluene	15.317	91	6827600	400.00	ug/kg	95
88) 1,3,5-trimethylbenzene	15.398	105	9038226	400.00	ug/kg	96
89) tert-butylbenzene	15.708	91	5109154	400.00	ug/kg	88
90) 1,2,4-trimethylbenzene	15.809	105	8951254	400.00	ug/kg	97
91) sec-butylbenzene	15.930	105	12188027	400.00	ug/kg	94
92) 1,3-dichlorobenzene	16.038	146	5323231	400.00	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 07:17:46 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

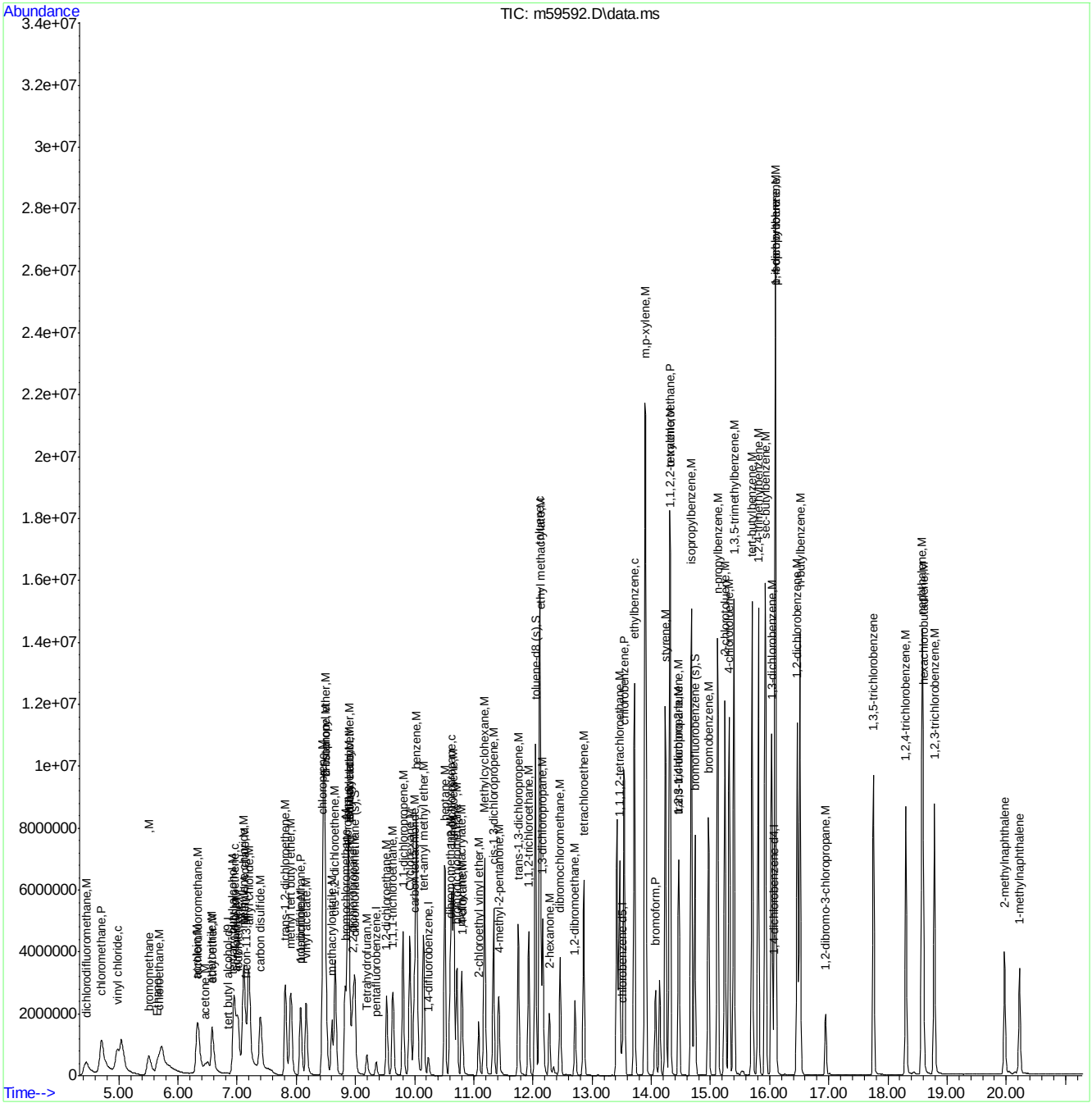
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	10082930	400.00	ug/kg	97
94) 1,4-dichlorobenzene	16.099	146	5478820	400.00	ug/kg	99
95) 1,2-dichlorobenzene	16.469	146	5311301	400.00	ug/kg	99
96) n-butylbenzene	16.516	91	8362399	400.00	ug/kg	92
97) 1,2-dibromo-3-chloropr...	16.947	75	464605	400.00	ug/kg	85
98) 1,3,5-trichlorobenzene	17.756	180	3326688	400.00	ug/kg	100
99) 1,2,4-trichlorobenzene	18.301	180	3118375	399.90	ug/kg	98
100) hexachlorobutadiene	18.598	225	1882963	400.00	ug/kg	99
101) naphthalene	18.578	128	10123110	400.00	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	3214005	400.00	ug/kg	96
103) 2-methylnaphthalene	19.972	142	2513329	200.00	ug/kg	98
104) 1-methylnaphthalene	20.228	TIC	7569814	200.00	ug/kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

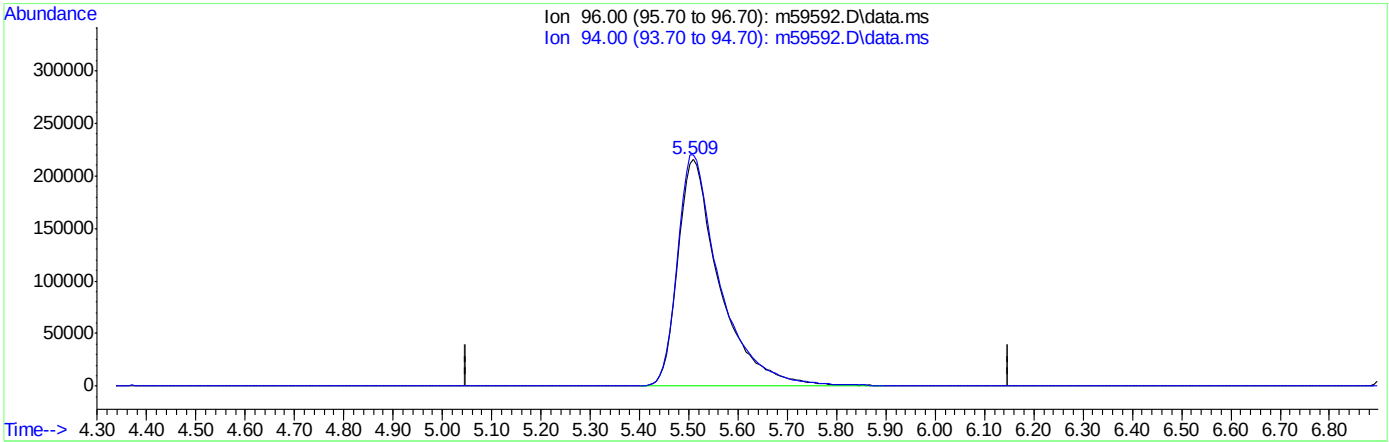
Quant Time: Sep 26 07:17:46 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration

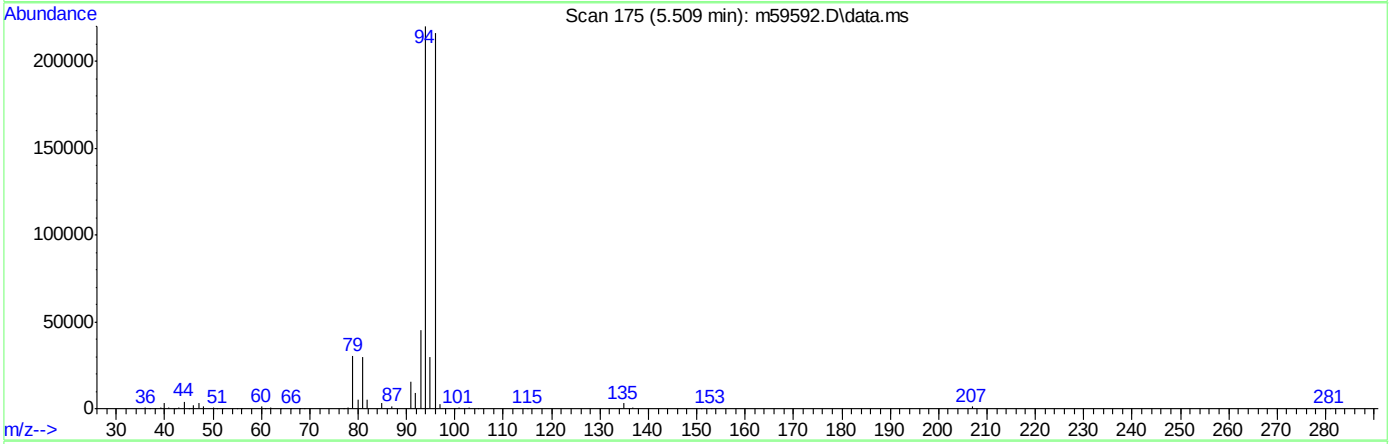


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 07:04:43 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59592.D\data.ms

(8) bromomethane (M)

5.509min (0.000) 399.34ug/kg m

response 1271525

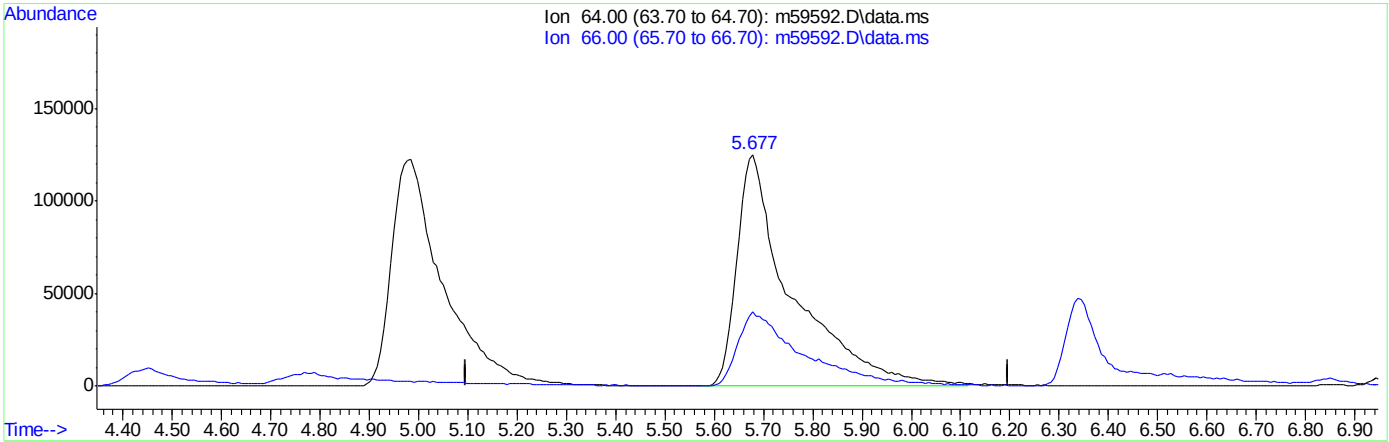
Ion	Exp%	Act%
96.00	100	100
94.00	101.30	101.89
0.00	0.00	0.00
0.00	0.00	0.00

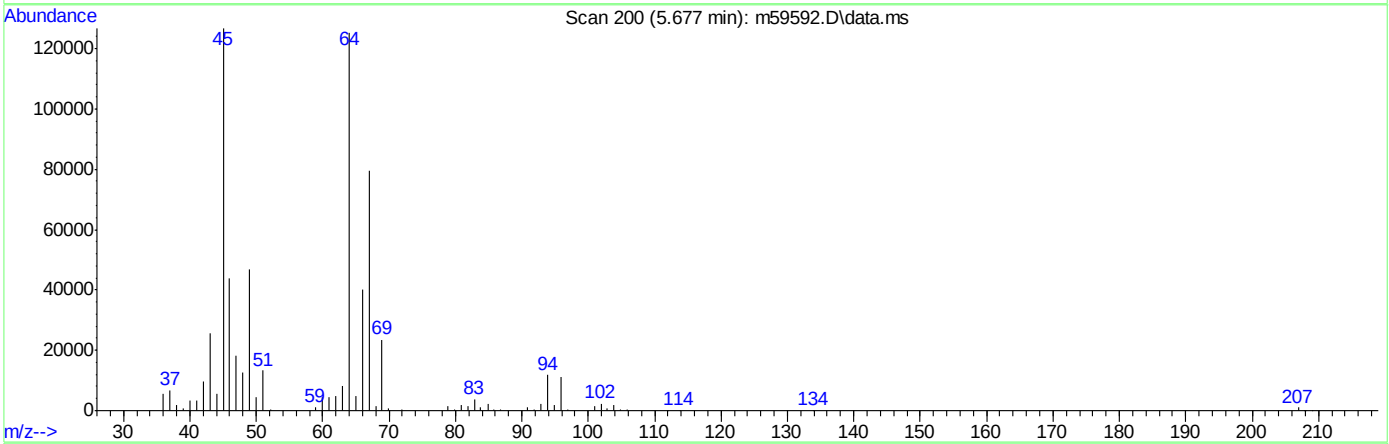
ACCUTEST LABORATORIES MC24849

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 07:04:43 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59592.D\data.ms

(9) chloroethane (M)

5.677min (0.000) 401.87ug/kg m

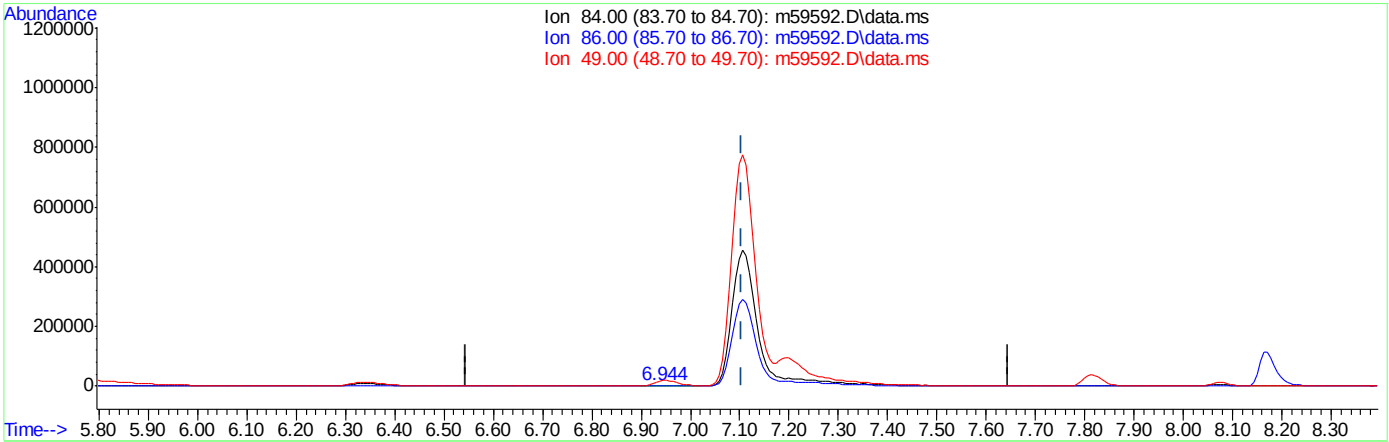
response 974525

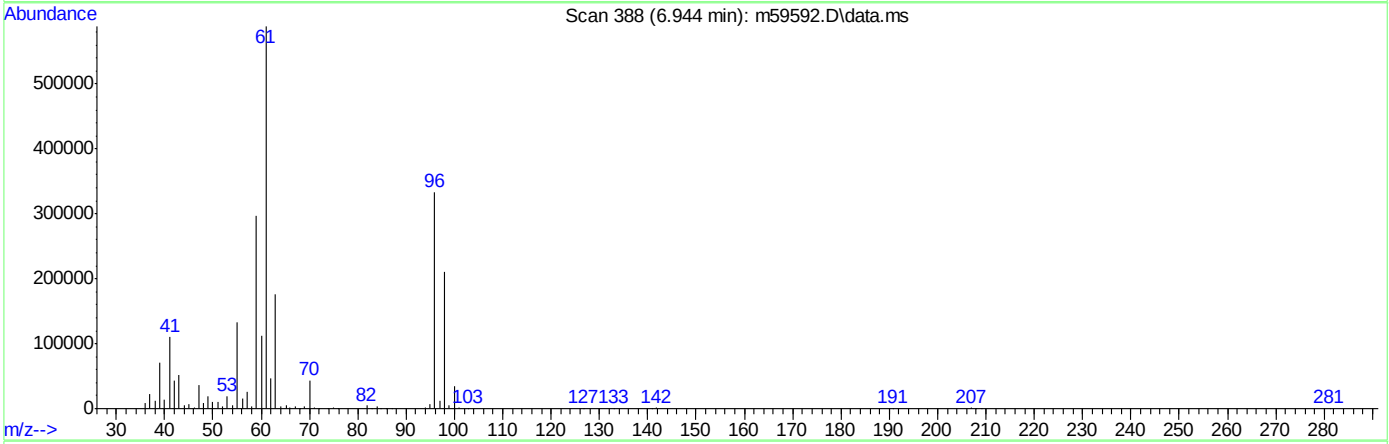
Ion	Exp%	Act%
64.00	100	100
66.00	31.60	32.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 07:04:43 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59592.D\data.ms

(18) methylene chloride (M)

6.944min (-0.162) 2.14ug/kg

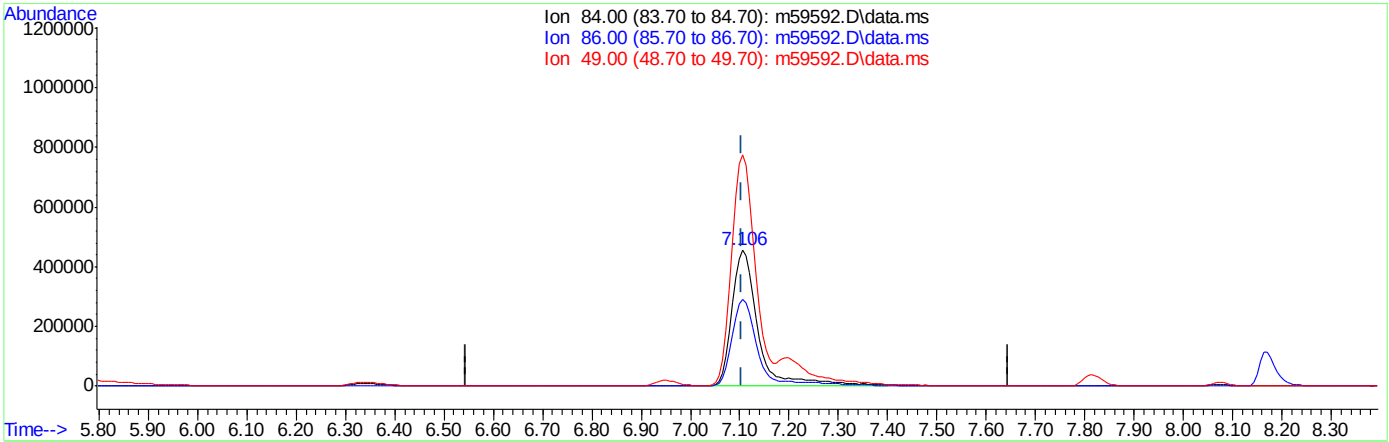
response 9039

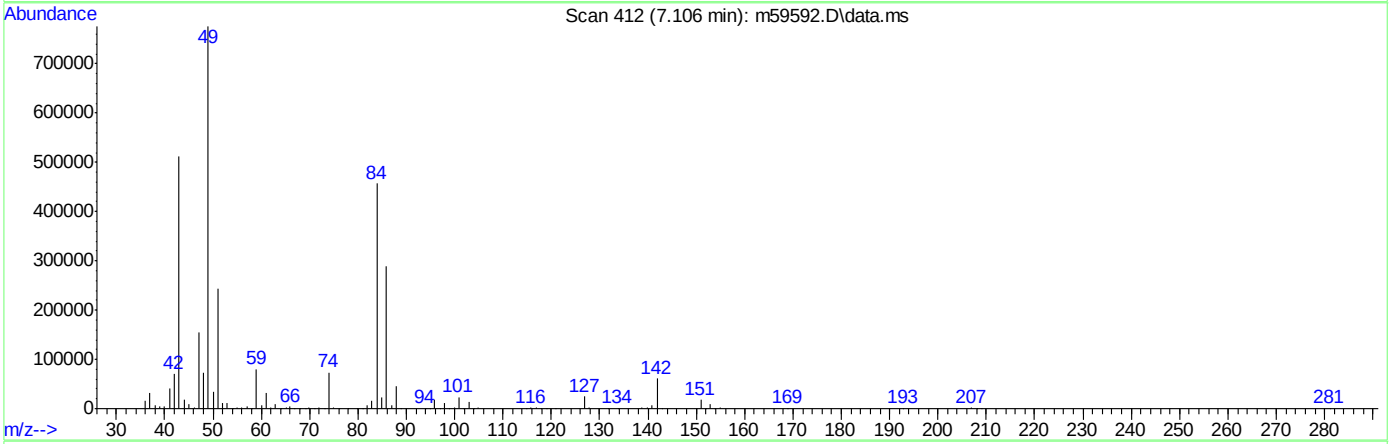
Ion	Exp%	Act%
84.00	100	100
86.00	67.20	16.72#
49.00	155.70	585.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 07:04:43 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59592.D\data.ms

(18) methylene chloride (M)

7.106min (0.000) 398.52ug/kg m

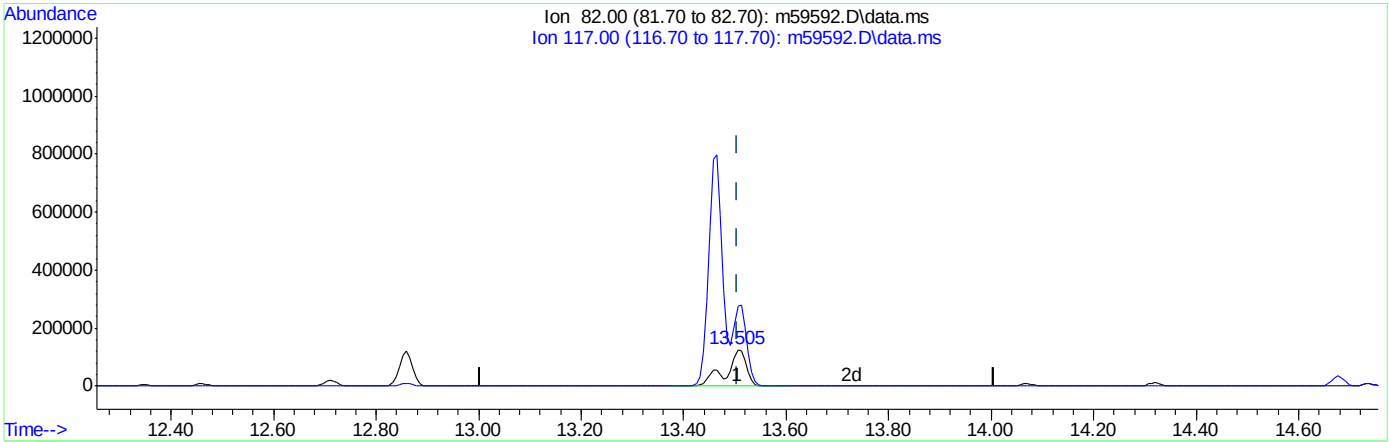
response 1686681

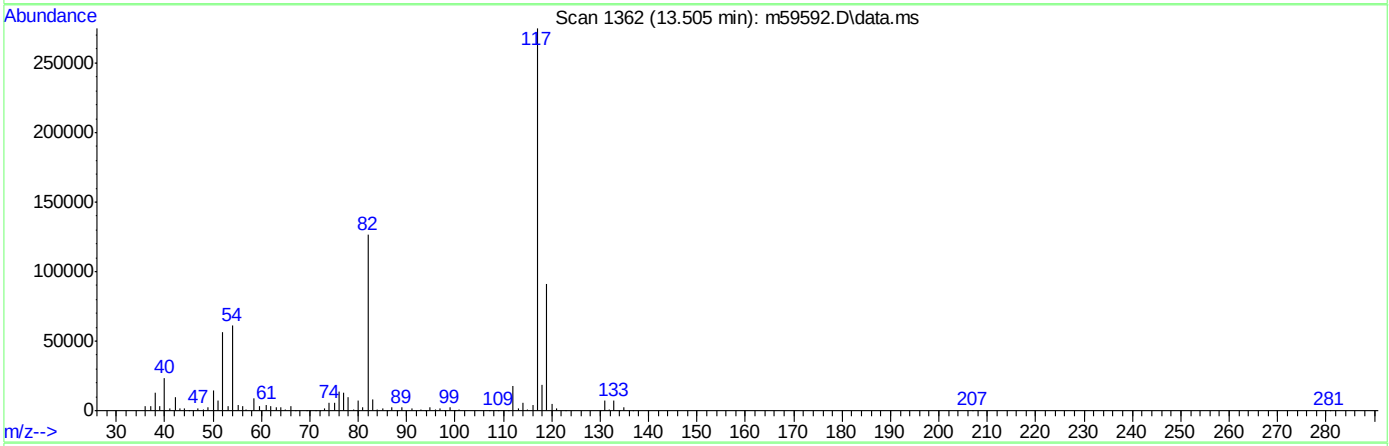
Ion	Exp%	Act%
84.00	100	100
86.00	67.20	63.54
49.00	155.70	169.90
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 07:04:43 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59592.D\data.ms

(65) chlorobenzene-d5 (I)

13.505min (0.000) 50.00ug/kg

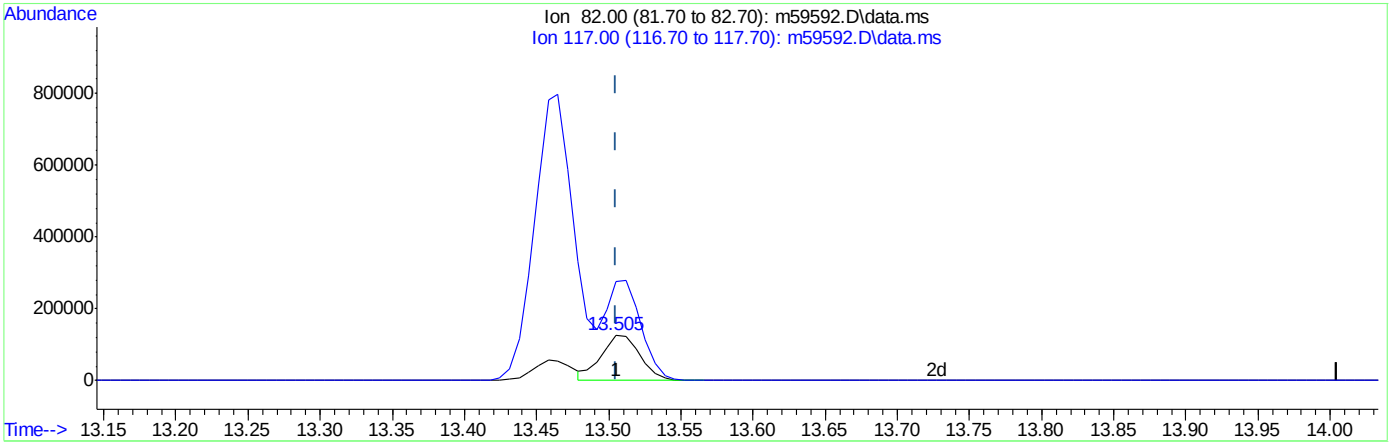
response 343485

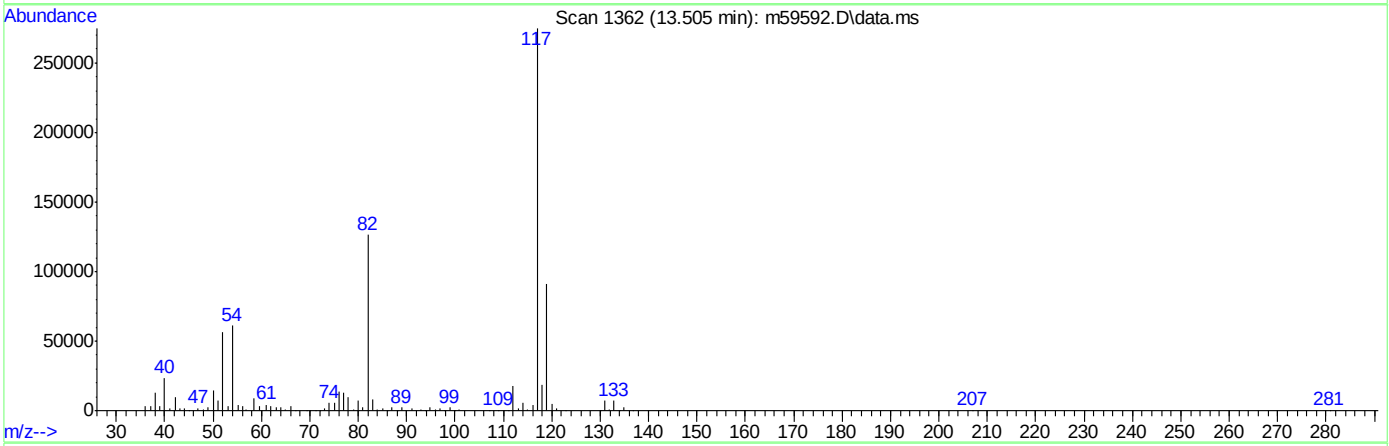
Ion	Exp%	Act%
82.00	100	100
117.00	198.50	217.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59592.D
Acq On : 26 Sep 2013 12:52 am
Operator : krystend
Sample : IC2064-400
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 07:04:43 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:04:03 2013
Response via : Initial Calibration





TIC: m59592.D\data.ms

(65) chlorobenzene-d5 (I)

13.505min (0.000) 50.00ug/kg m

response 238611

Ion	Exp%	Act%
82.00	100	100
117.00	198.50	217.41
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC24849

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/26/13 15:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59596.D
Acq On : 26 Sep 2013 2:49 am
Operator : krystend
Sample : bs
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 15:14:05 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.836	65	202399	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	311705	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	474593	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	202362	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	247329	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	164271	44.77	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 89.54%			
59) toluene-d8 (s)		12.043	98	613345	49.05	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 98.10%			
81) bromofluorobenzene (s)		14.738	95	193521	42.86	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 85.72%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	258593	359.10	ug/kg	96
3) Ethanol		5.657	45	149727	2360.17	ug/kg	99
5) dichlorodifluoromethane		4.445	85	277534	67.46	ug/kg	100
6) chloromethane		4.701	50	429890	64.10	ug/kg	100
7) vinyl chloride		4.970	62	347858	52.23	ug/kg	99
8) bromomethane	...	5.509	96	179214	55.75	ug/kg	97
9) chloroethane		5.677	64	140171m	61.74	ug/kg	
10) ethyl ether		6.580	59	140124	48.95	ug/kg	100
11) acetonitrile		6.573	41	42645	47.38	ug/kg	90
12) trichlorofluoromethane		6.338	101	349870	60.89	ug/kg	100
13) freon-113		7.153	101	194875	64.26	ug/kg	89
14) acrolein		6.351	56	17379	26.71	ug/kg	95
15) 1,1-dichloroethene		6.951	96	182959m	52.17	ug/kg	
16) acetone		6.493	58	19722	55.43	ug/kg#	72
17) Methyl Acetate		7.159	43	35304	6.58	ug/kg#	1
18) methylene chloride		7.106	84	191145	50.53	ug/kg	92
19) methyl tert butyl ether		7.907	73	361980	46.32	ug/kg	92
20) acrylonitrile		7.011	53	73557	49.83	ug/kg	89
21) allyl chloride		7.200	41	386213	55.78	ug/kg	91
22) trans-1,2-dichloroethene		7.813	96	211896	55.75	ug/kg	98
23) iodomethane		7.011	142	400448	55.77	ug/kg	98
24) carbon disulfide		7.395	76	660294	60.73	ug/kg	99
25) propionitrile		8.103	54	25676	46.51	ug/kg	100
26) vinyl acetate		8.204	43	35831	8.32	ug/kg	92
27) chloroprene		8.446	53	400366	66.10	ug/kg	94
28) di-isopropyl ether		8.487	45	730759	48.51	ug/kg	95
29) methacrylonitrile		8.601	41	117927	50.40	ug/kg	97
30) 2-butanone		8.507	72	19604	50.12	ug/kg#	7
31) 1,1-dichloroethane		8.076	63	374926	59.92	ug/kg	99
32) tert-butyl ethyl ether		8.884	59	495653	47.92	ug/kg	98
33) isobutyl alcohol		8.891	43	145323	265.05	ug/kg	99
34) 2,2-dichloropropane		8.951	77	240934	62.09	ug/kg	99
35) cis-1,2-dichloroethene		8.655	96	216532	49.63	ug/kg	99
36) ethyl acetate		8.891	43	144807	52.93	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59596.D
Acq On : 26 Sep 2013 2:49 am
Operator : krystend
Sample : bs
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 15:14:05 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	109665	51.47	ug/kg	92
38) chloroform	8.864	83	340961	55.25	ug/kg	99
40) Tetrahydrofuran	9.194	42	70047	48.53	ug/kg	88
41) 1,1,1-trichloroethane	9.632	97	332121	63.64	ug/kg	98
43) Cyclohexane	9.921	56	389208	60.36	ug/kg	87
44) carbon tetrachloride	10.002	117	336794	65.29	ug/kg	100
45) 1,1-dichloropropene	9.807	75	272856	59.57	ug/kg	96
46) benzene	10.029	78	784811	53.35	ug/kg	99
47) 1,2-dichloroethane	9.531	62	238005	48.65	ug/kg	100
48) tert-amyl methyl ether	10.150	73	343451	45.38	ug/kg	97
49) heptane	10.507	43	406421	60.50	ug/kg	96
50) trichloroethene	10.656	95	219299	53.72	ug/kg	87
51) 1,2-dichloropropane	10.622	63	202722	49.79	ug/kg	99
52) dibromomethane	10.602	93	111914	51.84	ug/kg	86
53) bromodichloromethane	10.716	83	248845	49.79	ug/kg	100
54) Methylcyclohexane	11.181	83	383479	62.89	ug/kg	96
55) 2-chloroethyl vinyl ether	11.181	63	3551	2.45	ug/kg#	1
56) methyl methacrylate	10.804	69	104691	48.95	ug/kg	92
57) 1,4-dioxane	10.811	88	7932	238.93	ug/kg	99
58) cis-1,3-dichloropropene	11.336	75	265568	46.47	ug/kg	92
60) 4-methyl-2-pentanone	11.424	43	237205	54.37	ug/kg	100
61) toluene	12.117	92	514271	55.35	ug/kg	100
62) trans-1,3-dichloropropene	11.754	75	233083	48.47	ug/kg	92
63) 1,1,2-trichloroethane	11.929	83	125777	47.00	ug/kg	93
64) ethyl methacrylate	12.124	69	207830	46.18	ug/kg	90
66) tetrachloroethene	12.858	166	254193	60.03	ug/kg	96
67) 1,3-dichloropropane	12.165	76	239032	45.46	ug/kg	98
68) dibromochloromethane	12.461	129	220182	46.23	ug/kg	97
69) 1,2-dibromoethane	12.710	107	173314	46.66	ug/kg	98
70) 2-hexanone	12.286	43	169502	52.94	ug/kg	100
71) chlorobenzene	13.539	112	581050	47.77	ug/kg	95
72) 1,1,1,2-tetrachloroethane	13.458	131	227231	47.95	ug/kg	98
73) ethylbenzene	13.714	91	979909	53.44	ug/kg	97
74) m,p-xylene	13.896	106	810302	103.70	ug/kg	97
75) o-xylene	14.314	106	398045	49.38	ug/kg	92
76) styrene	14.239	104	570594	47.78	ug/kg	96
77) bromoform	14.071	173	152421	50.56	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.462	53	69702	46.94	ug/kg	99
80) isopropylbenzene	14.677	105	1092574	54.30	ug/kg	96
82) bromobenzene	14.967	156	259710	48.46	ug/kg	86
83) 1,1,2,2-tetrachloroethane	14.320	83	230009	47.97	ug/kg	98
84) 1,2,3-trichloropropane	14.462	75	239918	49.26	ug/kg	100
85) n-propylbenzene	15.122	91	1147814	53.02	ug/kg	94
86) 2-chlorotoluene	15.243	91	633581	48.30	ug/kg	94
87) 4-chlorotoluene	15.317	91	624004	48.78	ug/kg	91
88) 1,3,5-trimethylbenzene	15.398	105	870787	52.57	ug/kg	94
89) tert-butylbenzene	15.701	91	497197	53.93	ug/kg	91
90) 1,2,4-trimethylbenzene	15.809	105	828168	50.85	ug/kg	96
91) sec-butylbenzene	15.924	105	1235338	54.25	ug/kg	96
92) 1,3-dichlorobenzene	16.031	146	463010	44.65	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59596.D
Acq On : 26 Sep 2013 2:49 am
Operator : krystend
Sample : bs
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 15:14:05 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

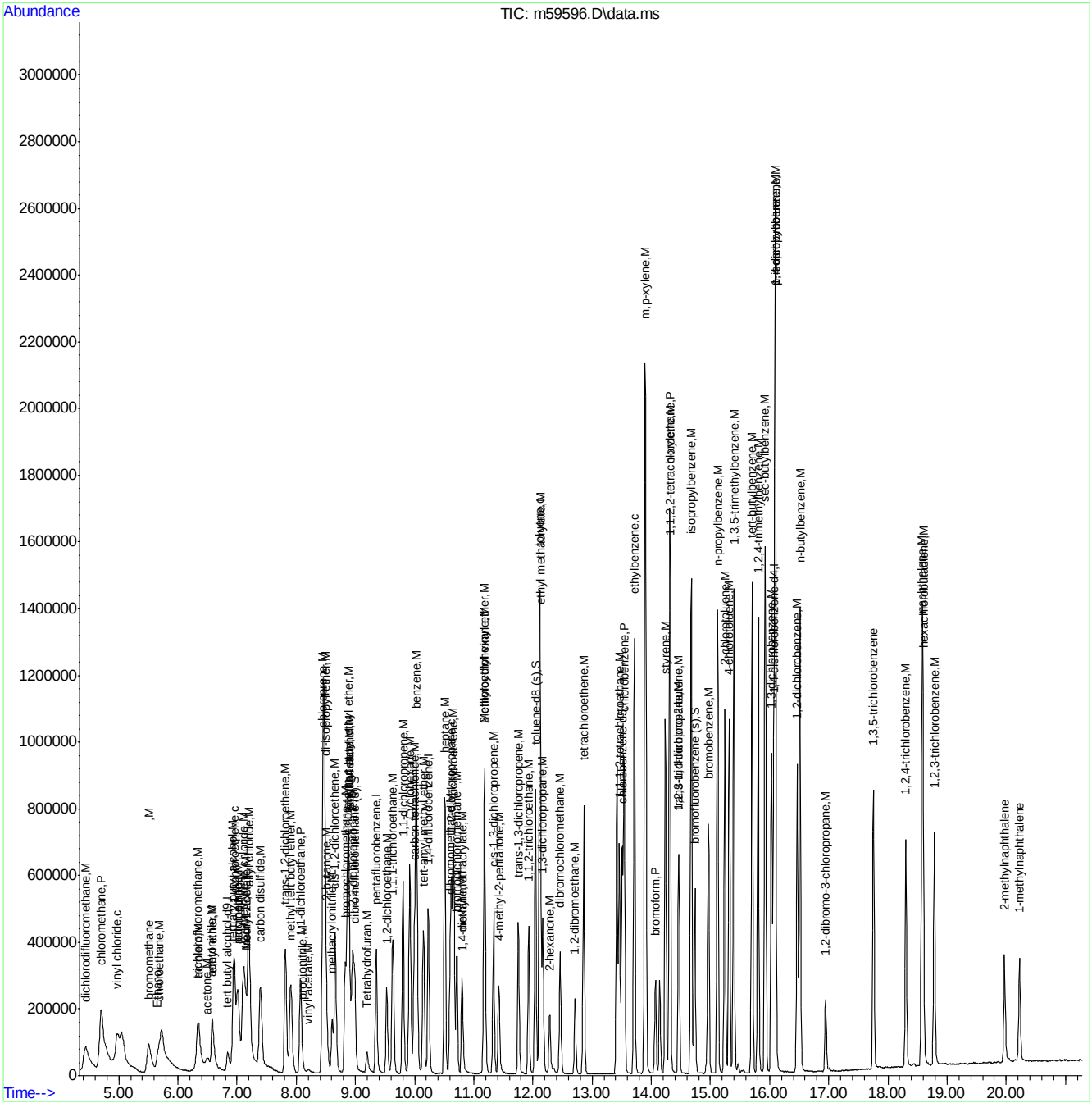
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	1033616	57.09	ug/kg	97
94) 1,4-dichlorobenzene	16.099	146	477721	45.53	ug/kg	97
95) 1,2-dichlorobenzene	16.469	146	450559	43.14	ug/kg	96
96) n-butylbenzene	16.516	91	858171	55.32	ug/kg	90
97) 1,2-dibromo-3-chloropr...	16.947	75	48074	49.57	ug/kg	78
98) 1,3,5-trichlorobenzene	17.756	180	304645	45.59	ug/kg	99
99) 1,2,4-trichlorobenzene	18.301	180	259587	40.65	ug/kg	99
100) hexachlorobutadiene	18.598	225	208222	56.27	ug/kg	98
101) naphthalene	18.578	128	877243	46.40	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	267693	40.73	ug/kg	94
103) 2-methylnaphthalene	19.972	142	219031	22.38	ug/kg	98
104) 1-methylnaphthalene	20.228	TIC	779170	24.35	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59596.D
Acq On : 26 Sep 2013 2:49 am
Operator : krystend
Sample : bs
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 15:14:05 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

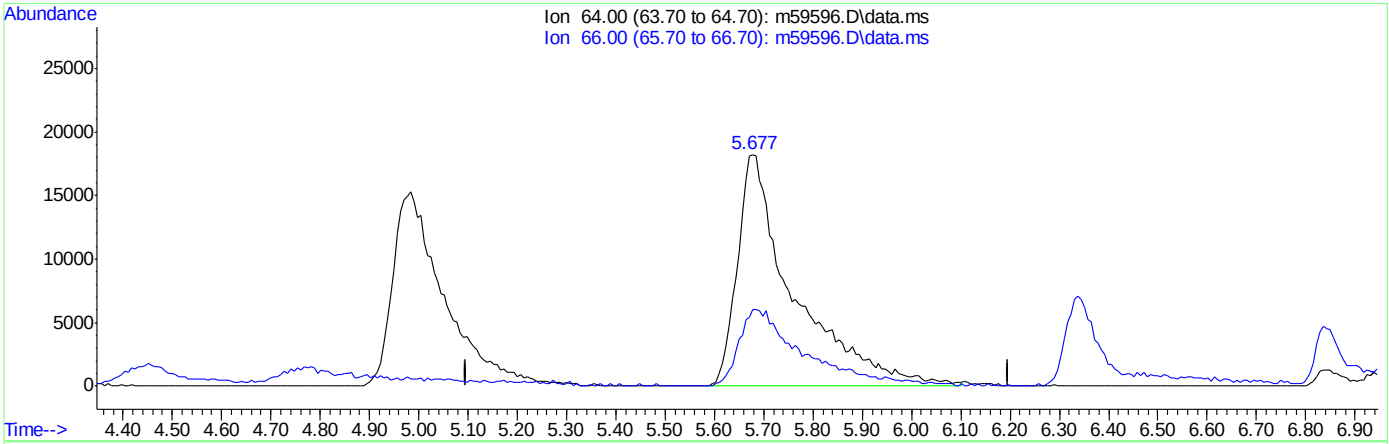


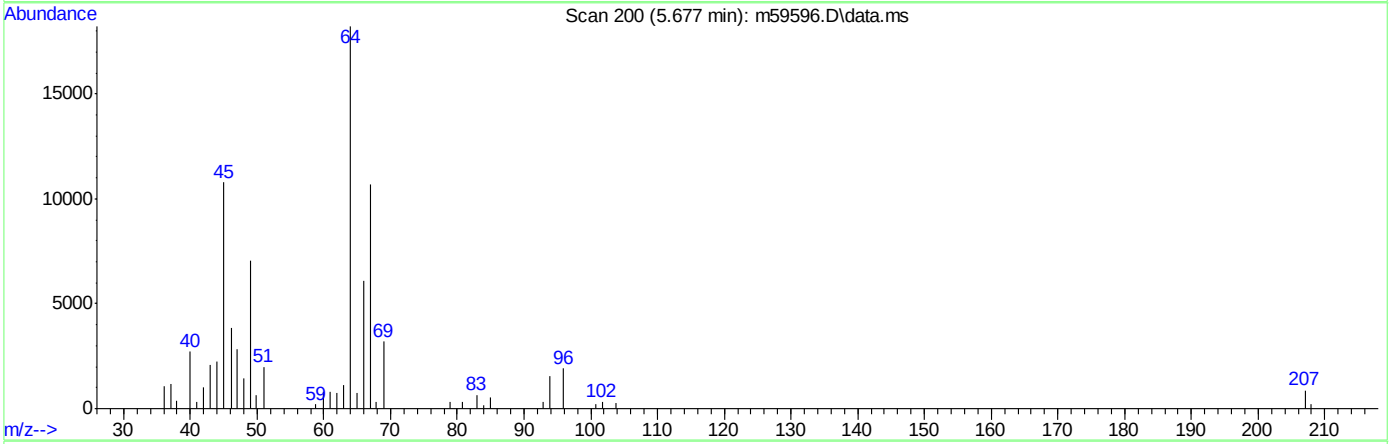
ACCUTEST LABORATORIES MC24849

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59596.D
Acq On : 26 Sep 2013 2:49 am
Operator : krystend
Sample : ICV2064-50
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 07:25:53 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:22:50 2013
Response via : Initial Calibration





TIC: m59596.D\data.ms

(9) chloroethane (M)

5.677min (+0.000) 63.54ug/kg m

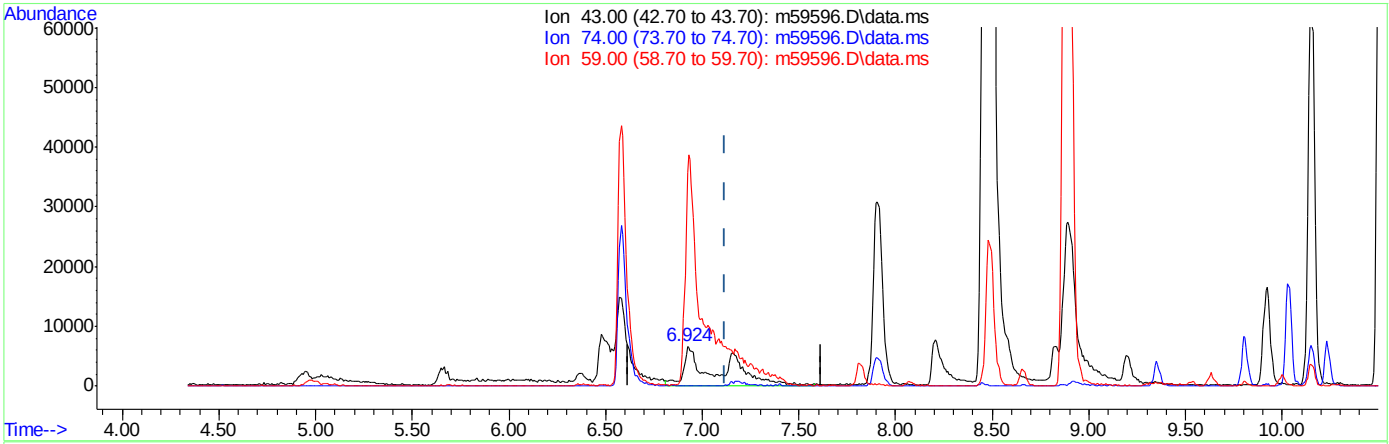
response 144253

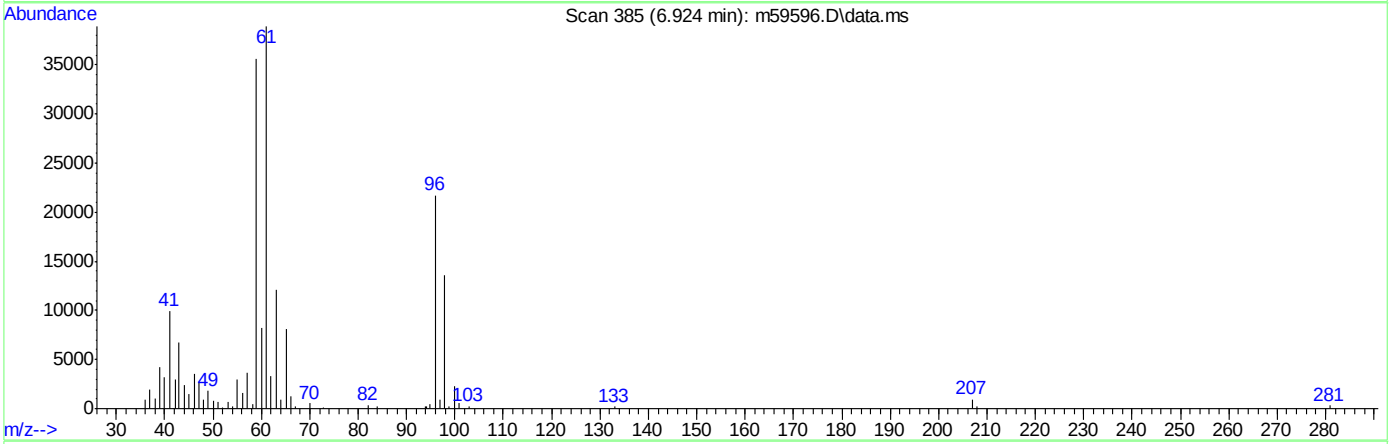
Ion	Exp%	Act%
64.00	100	100
66.00	31.60	33.32
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59596.D
Acq On : 26 Sep 2013 2:49 am
Operator : krystend
Sample : ICV2064-50
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 07:25:53 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:22:50 2013
Response via : Initial Calibration





TIC: m59596.D\data.ms

(17) Methyl Acetate (M)

6.924min (-0.195) 16.09ug/kg m

response 86301

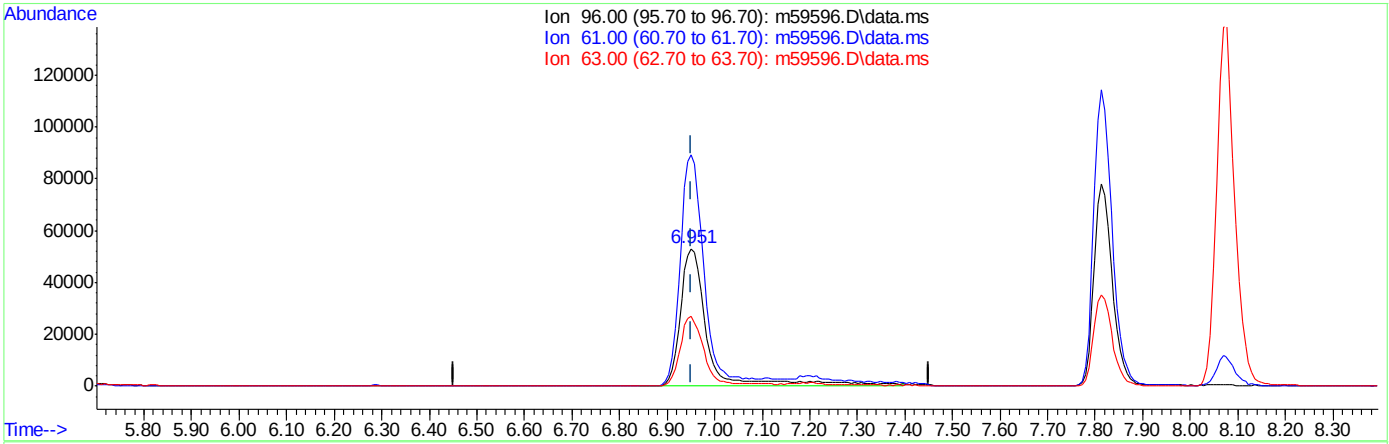
Ion	Exp%	Act%
43.00	100	100
74.00	19.10	0.00
59.00	13.90	532.18#
0.00	0.00	0.00

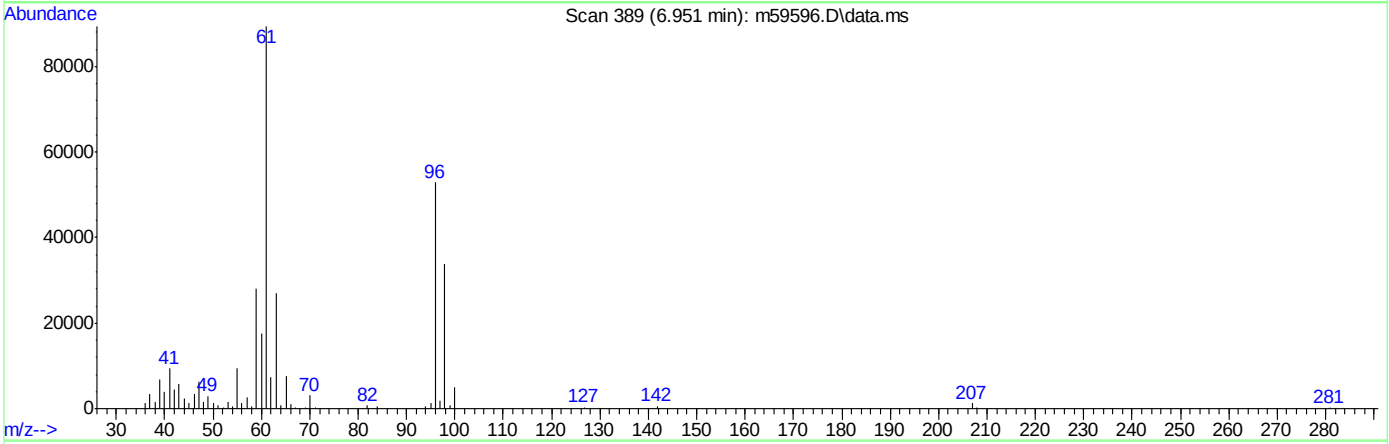
ACCUTEST LABORATORIES MC24849

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59596.D
Acq On : 26 Sep 2013 2:49 am
Operator : krystend
Sample : ICV2064-50
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 07:26:40 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:22:50 2013
Response via : Initial Calibration





TIC: m59596.D\data.ms

(15) 1,1-dichloroethene (c)

6.951min (-0.000) 60.72ug/kg

response 212979

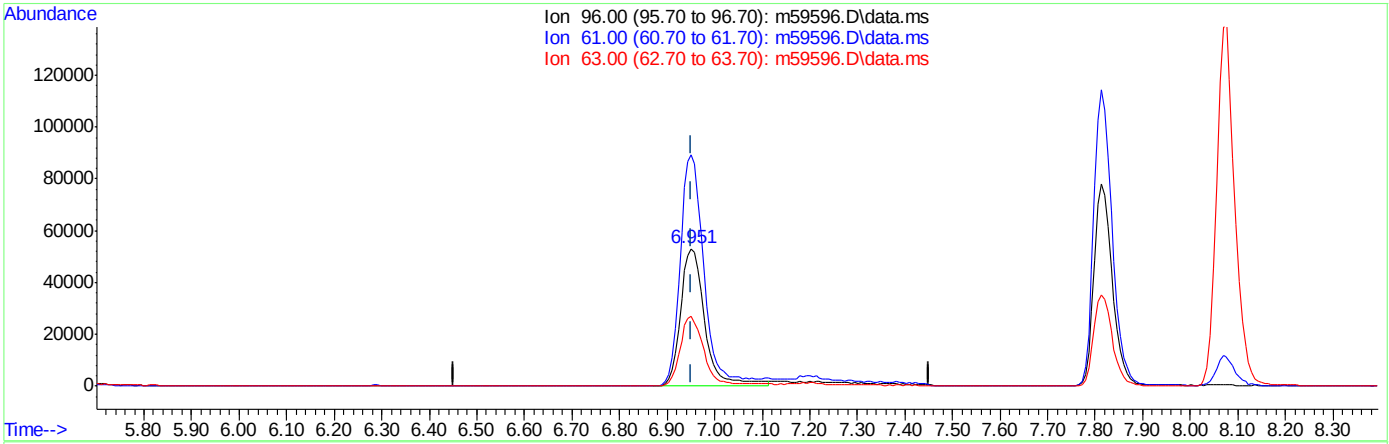
Ion	Exp%	Act%
96.00	100	100
61.00	170.50	168.39
63.00	54.60	51.19
0.00	0.00	0.00

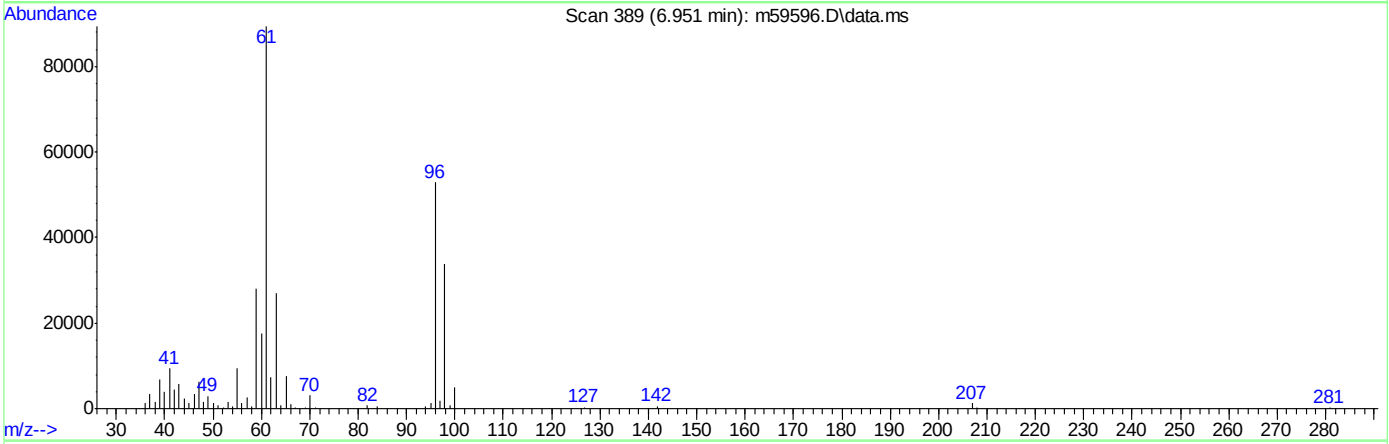
ACCUTEST LABORATORIES MC24849

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130925S\
Data File : m59596.D
Acq On : 26 Sep 2013 2:49 am
Operator : krystend
Sample : ICV2064-50
Misc : MS30022,MSM2064,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 07:26:40 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:22:50 2013
Response via : Initial Calibration





TIC: m59596.D\data.ms

(15) 1,1-dichloroethene (c)

6.951min (-0.000) 53.89ug/kg m

response 188997

Ion	Exp%	Act%
96.00	100	100
61.00	170.50	168.85
63.00	54.60	51.19
0.00	0.00	0.00

M59596.D edits: 1,1-dichloroethene

ACCUTEST LABORATORIES MC24849

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
09/27/13 09:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130926S\
Data File : m59614.D
Acq On : 26 Sep 2013 2:42 pm
Operator : krystend
Sample : bs
Misc : MS30032,MSM2065,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 26 15:18:04 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.850	65	120314	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	318287m	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	495285	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	207130	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	244372	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	146417	39.08	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 78.16%			
59) toluene-d8 (s)		12.043	98	528704	40.51	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 81.02%			
81) bromofluorobenzene (s)		14.738	95	190410	42.68	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 85.36%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	171932	410.30	ug/kg	97
3) Ethanol		5.671	45	148898	3834.54	ug/kg	100
5) dichlorodifluoromethane		4.431	85	234286	55.77	ug/kg	96
6) chloromethane		4.701	50	395389	57.74	ug/kg	98
7) vinyl chloride		4.970	62	305655	44.95	ug/kg	95
8) bromomethane	...	5.502	96	165996	50.57	ug/kg	94
9) chloroethane		5.677	64	127038m	54.80	ug/kg	
10) ethyl ether		6.580	59	146900	50.25	ug/kg	94
11) acetonitrile		6.580	41	52846	57.50	ug/kg	90
12) trichlorofluoromethane		6.344	101	294705	50.23	ug/kg	100
13) freon-113		7.153	101	167402	54.06	ug/kg	87
14) acrolein		6.344	56	84094	126.60	ug/kg	97
15) 1,1-dichloroethene		6.951	96	181806	50.76	ug/kg	98
16) acetone		6.486	58	17447m	47.90	ug/kg	
17) Methyl Acetate		7.132	43	207629	37.91	ug/kg	93
18) methylene chloride		7.106	84	199187	51.57	ug/kg	92
19) methyl tert butyl ether		7.907	73	385297	48.29	ug/kg	90
20) acrylonitrile		7.011	53	69056	45.81	ug/kg	89
21) allyl chloride		7.200	41	348225	49.26	ug/kg	89
22) trans-1,2-dichloroethene		7.813	96	199040	51.28	ug/kg	95
23) iodomethane		7.011	142	373636	50.96	ug/kg	96
24) carbon disulfide		7.395	76	576434	51.92	ug/kg	100
25) propionitrile		8.109	54	23566	42.07	ug/kg	100
26) vinyl acetate		8.183	43	211151m	25.48	ug/kg	
27) chloroprene		8.446	53	353804	57.21	ug/kg	96
28) di-isopropyl ether		8.486	45	729878	47.45	ug/kg	95
29) methacrylonitrile		8.608	41	111139	46.52	ug/kg	94
30) 2-butanone		8.500	72	26595	64.52	ug/kg#	27
31) 1,1-dichloroethane		8.076	63	349295	54.67	ug/kg	100
32) tert-butyl ethyl ether		8.891	59	533776	50.54	ug/kg	97
33) isobutyl alcohol		8.884	43	136814	244.37	ug/kg	92
34) 2,2-dichloropropane		8.951	77	217337	54.85	ug/kg	98
35) cis-1,2-dichloroethene		8.655	96	209837	47.10	ug/kg	95
36) ethyl acetate		8.884	43	136520	48.87	ug/kg	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130926S\
Data File : m59614.D
Acq On : 26 Sep 2013 2:42 pm
Operator : krystend
Sample : bs
Misc : MS30032,MSM2065,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 26 15:18:04 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	116132	53.37	ug/kg	93
38) chloroform	8.864	83	333877	52.98	ug/kg	100
40) Tetrahydrofuran	9.201	42	62785	42.60	ug/kg	89
41) 1,1,1-trichloroethane	9.632	97	286290	53.72	ug/kg	98
43) Cyclohexane	9.921	56	315376	46.87	ug/kg	90
44) carbon tetrachloride	10.002	117	287852	53.47	ug/kg	99
45) 1,1-dichloropropene	9.807	75	245694	51.40	ug/kg	97
46) benzene	10.029	78	732127	47.69	ug/kg	99
47) 1,2-dichloroethane	9.524	62	249077	48.79	ug/kg	98
48) tert-amyl methyl ether	10.150	73	394413	49.93	ug/kg	96
49) heptane	10.507	43	330120	47.09	ug/kg	95
50) trichloroethene	10.656	95	204081	48.02	ug/kg	89
51) 1,2-dichloropropane	10.622	63	203092	47.79	ug/kg	100
52) dibromomethane	10.602	93	115711	51.36	ug/kg	87
53) bromodichloromethane	10.716	83	256703	49.22	ug/kg	98
54) Methylcyclohexane	11.181	83	315090	49.52	ug/kg	91
55) 2-chloroethyl vinyl ether	11.087	63	61943	41.00	ug/kg	97
56) methyl methacrylate	10.804	69	113361	50.79	ug/kg	93
57) 1,4-dioxane	10.811	88	8410	242.78	ug/kg	86
58) cis-1,3-dichloropropene	11.336	75	286079	47.97	ug/kg	96
60) 4-methyl-2-pentanone	11.424	43	208477	45.79	ug/kg	100
61) toluene	12.117	92	481624	49.67	ug/kg	99
62) trans-1,3-dichloropropene	11.754	75	254564	50.72	ug/kg	90
63) 1,1,2-trichloroethane	11.929	83	132474	47.44	ug/kg	94
64) ethyl methacrylate	12.124	69	184543	40.21	ug/kg	84
66) tetrachloroethene	12.858	166	232095	53.55	ug/kg	98
67) 1,3-dichloropropane	12.165	76	246120	45.73	ug/kg	99
68) dibromochloromethane	12.461	129	232293	47.65	ug/kg	99
69) 1,2-dibromoethane	12.710	107	175766	46.23	ug/kg	100
70) 2-hexanone	12.279	43	176947	53.99	ug/kg	99
71) chlorobenzene	13.546	112	581125	46.67	ug/kg	94
72) 1,1,1,2-tetrachloroethane	13.458	131	227340	46.87	ug/kg	98
73) ethylbenzene	13.714	91	912466	48.61	ug/kg	96
74) m,p-xylene	13.896	106	773989	96.77	ug/kg	95
75) o-xylene	14.313	106	380057	46.07	ug/kg	94
76) styrene	14.239	104	614037	50.24	ug/kg	98
77) bromoform	14.071	173	155034	50.25	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.462	53	70424	46.33	ug/kg	94
80) isopropylbenzene	14.677	105	990338	49.81	ug/kg	97
82) bromobenzene	14.967	156	274880	51.91	ug/kg	86
83) 1,1,2,2-tetrachloroethane	14.320	83	223025	47.07	ug/kg	98
84) 1,2,3-trichloropropane	14.468	75	232080	48.23	ug/kg	99
85) n-propylbenzene	15.122	91	1053510	49.26	ug/kg	93
86) 2-chlorotoluene	15.243	91	625564	48.26	ug/kg	90
87) 4-chlorotoluene	15.317	91	648277	51.29	ug/kg	92
88) 1,3,5-trimethylbenzene	15.398	105	826429	50.50	ug/kg	95
89) tert-butylbenzene	15.708	91	442775	48.61	ug/kg	83
90) 1,2,4-trimethylbenzene	15.809	105	819492	50.92	ug/kg	97
91) sec-butylbenzene	15.930	105	1093046	48.59	ug/kg	94
92) 1,3-dichlorobenzene	16.031	146	520683	50.82	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130926S\
Data File : m59614.D
Acq On : 26 Sep 2013 2:42 pm
Operator : krystend
Sample : bs
Misc : MS30032,MSM2065,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 26 15:18:04 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

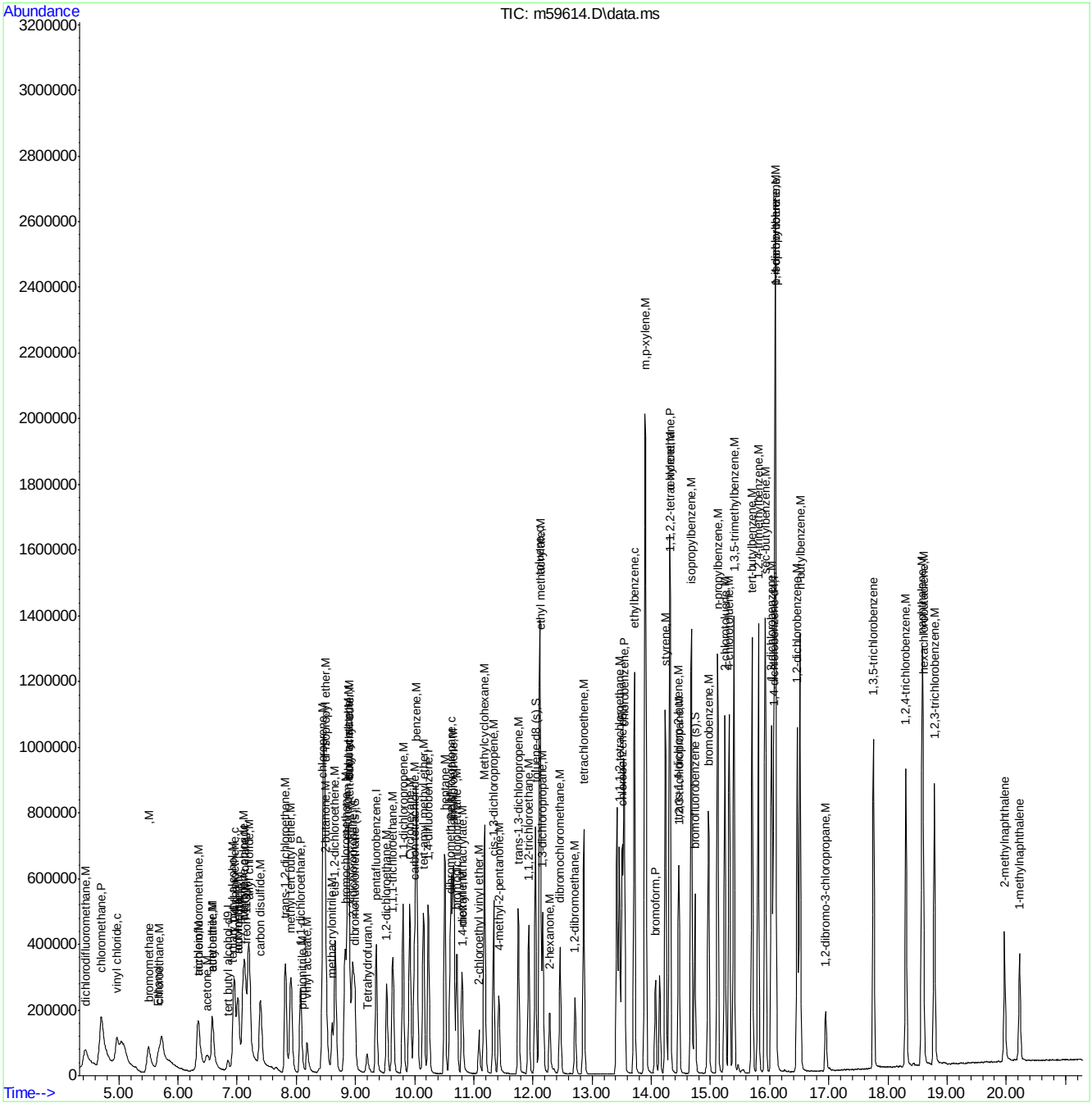
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.099	119	956451	53.47	ug/kg	97
94)	1,4-dichlorobenzene	16.099	146	545220	52.59	ug/kg	96
95)	1,2-dichlorobenzene	16.469	146	499459	48.40	ug/kg	98
96)	n-butylbenzene	16.516	91	793886	51.79	ug/kg	92
97)	1,2-dibromo-3-chloropr...	16.947	75	40671	42.44	ug/kg	81
98)	1,3,5-trichlorobenzene	17.756	180	363085	54.99	ug/kg	99
99)	1,2,4-trichlorobenzene	18.301	180	346649	54.93	ug/kg	100
100)	hexachlorobutadiene	18.598	225	184771	50.54	ug/kg	98
101)	naphthalene	18.578	128	894537	47.89	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	335622	51.68	ug/kg	96
103)	2-methylnaphthalene	19.972	142	256896	26.57	ug/kg	97
104)	1-methylnaphthalene	20.228	TIC	811949	25.69	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M130926S\
Data File : m59614.D
Acq On : 26 Sep 2013 2:42 pm
Operator : krystend
Sample : bs
Misc : MS30032,MSM2065,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

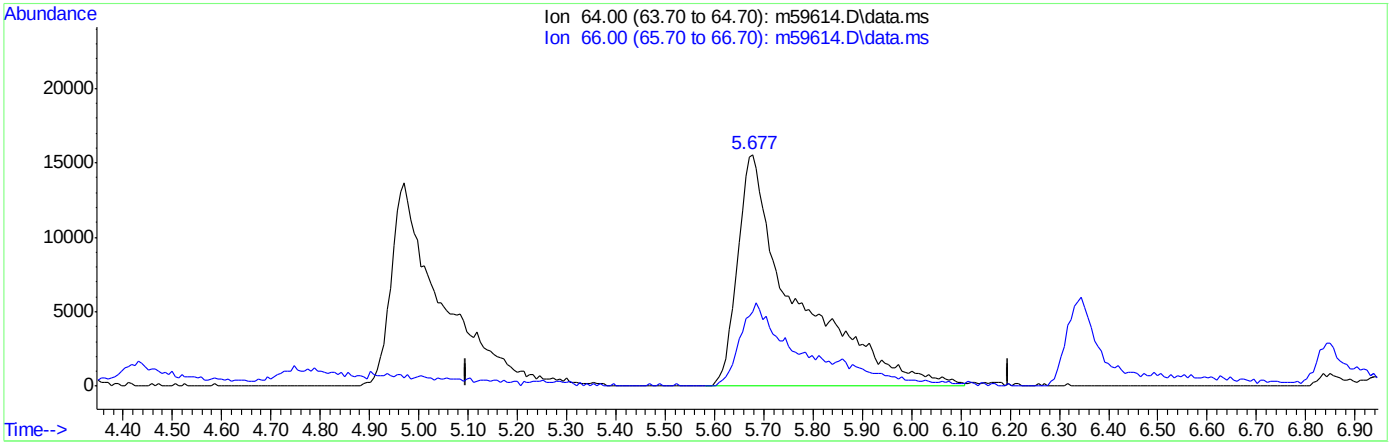
Quant Time: Sep 26 15:18:04 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

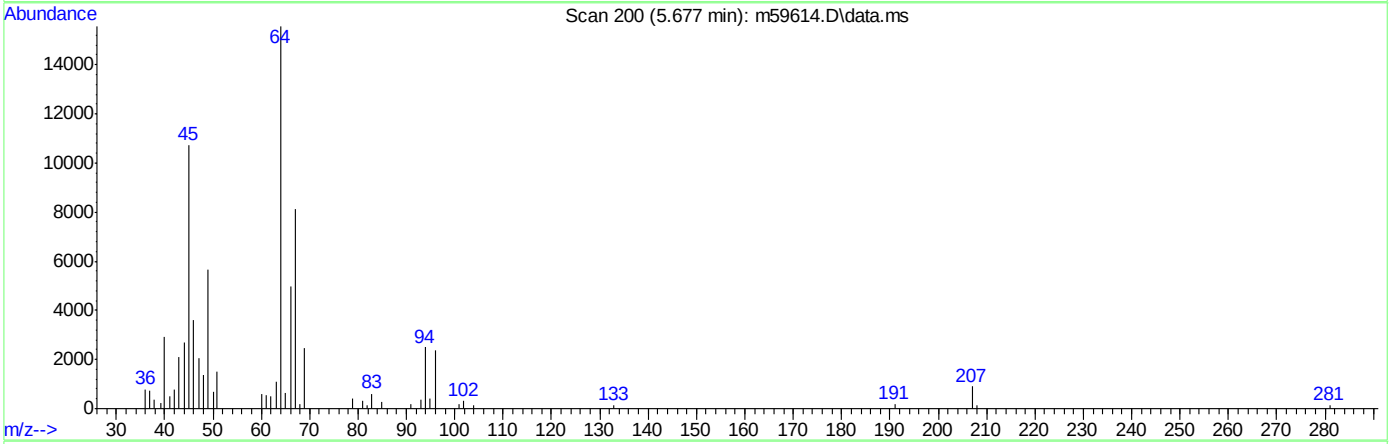


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130926S\
Data File : m59614.D
Acq On : 26 Sep 2013 2:42 pm
Operator : krystend
Sample : bs
Misc : MS30032,MSM2065,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 26 15:03:53 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:22:50 2013
Response via : Initial Calibration





TIC: m59614.D\data.ms

(9) chloroethane (M)

5.677min (+0.000) 54.32ug/kg m

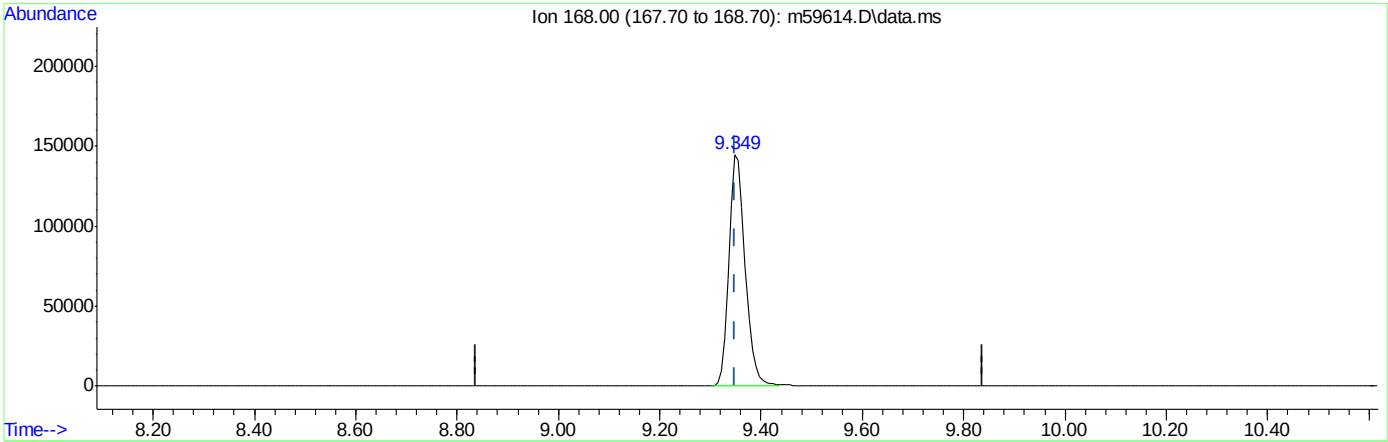
response 127346

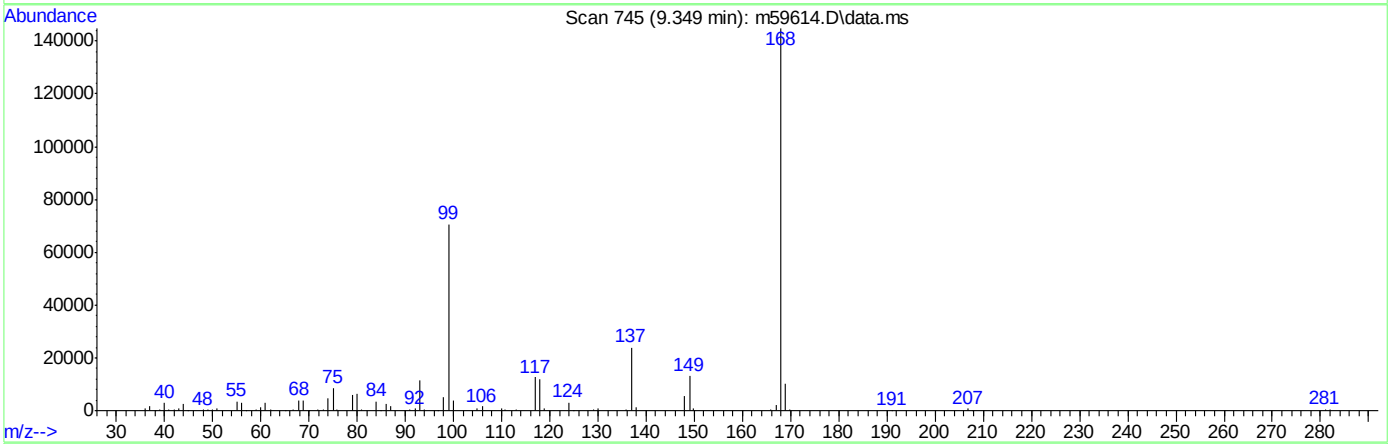
Ion	Exp%	Act%
64.00	100	100
66.00	31.60	31.89
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130926S\
Data File : m59614.D
Acq On : 26 Sep 2013 2:42 pm
Operator : krystend
Sample : bs
Misc : MS30032,MSM2065,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 26 15:03:53 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:22:50 2013
Response via : Initial Calibration





TIC: m59614.D\data.ms

(4) pentafluorobenzene (I)

9.349min (-0.000) 50.00ug/kg m

response 318295

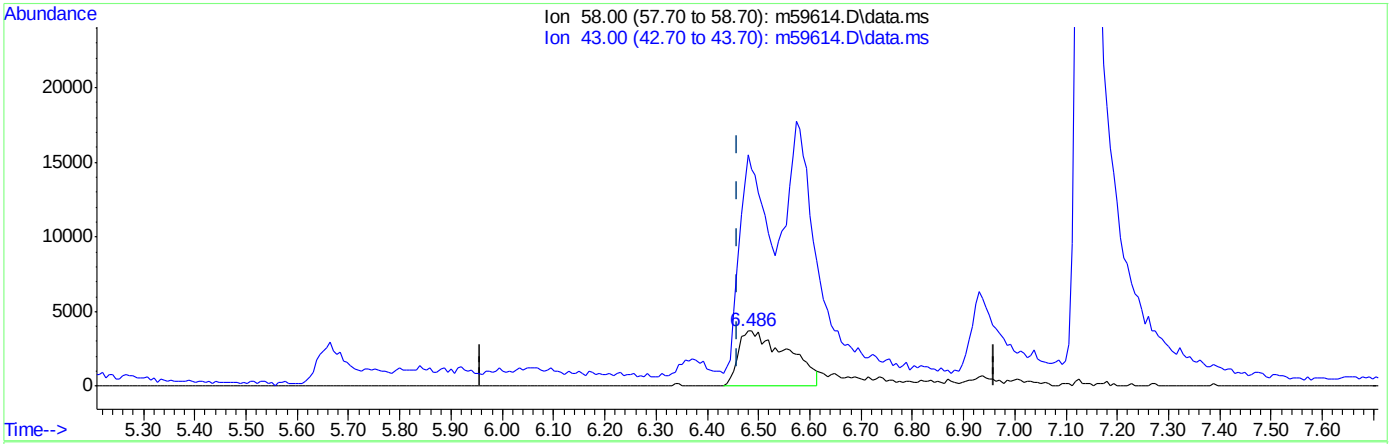
Ion	Exp%	Act%
168.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC24849

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130926S\
Data File : m59614.D
Acq On : 26 Sep 2013 2:42 pm
Operator : krystend
Sample : bs
Misc : MS30032,MSM2065,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 26 15:03:53 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 07:22:50 2013
Response via : Initial Calibration



TIC: m59614.D\data.ms

(16) acetone (M)

6.486min (+0.027) 68.57ug/kg m

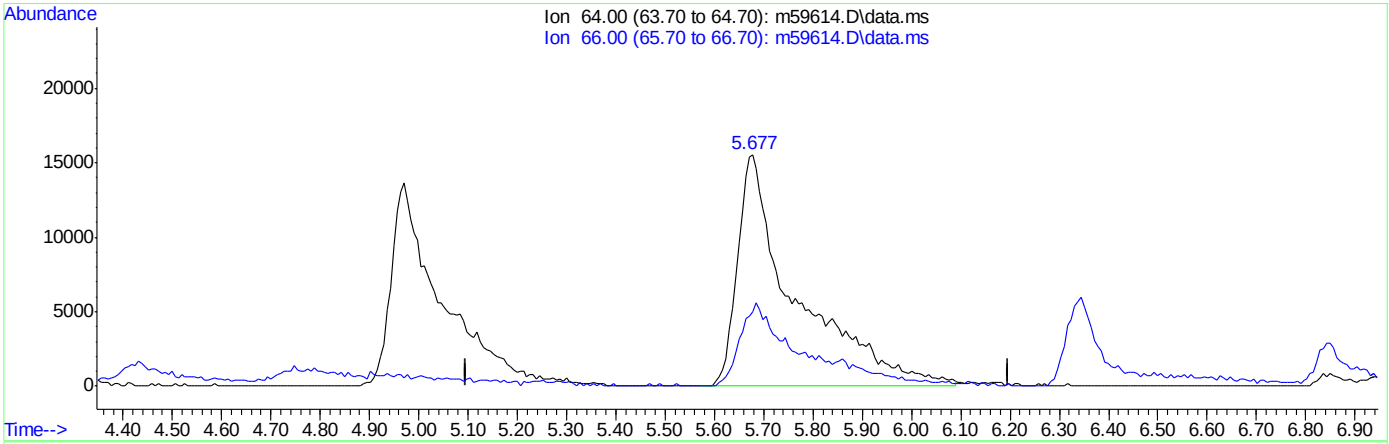
response 24838

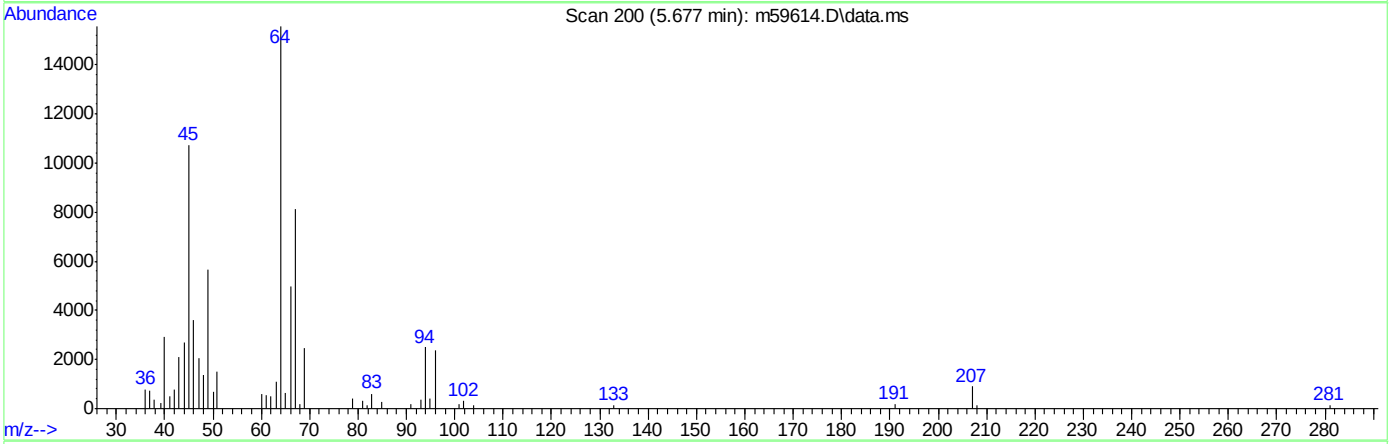
Ion	Exp%	Act%
58.00	100	100
43.00	380.40	391.68
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M130926S\
Data File : m59614.D
Acq On : 26 Sep 2013 2:42 pm
Operator : krystend
Sample : ICV2064-50
Misc : MS30032,MSM2065,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 26 15:10:54 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m59614.D\data.ms

(9) chloroethane (M)

5.677min (+0.000) 54.80ug/kg m

response 127038

Ion	Exp%	Act%
64.00	100	100
66.00	31.60	31.89
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 10/07/13 12:22

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59999.D
Acq On : 6 Oct 2013 9:01 pm
Operator : krystend
Sample : cc2064-50
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 07 09:20:04 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.850	65	77269	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	191594	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	314354	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	145256	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	178312	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	96131	42.62	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 85.24%			
59) toluene-d8 (s)		12.043	98	346604	41.85	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 83.70%			
81) bromofluorobenzene (s)		14.738	95	130019	39.94	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 79.88%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.937	59	111301	414.16	ug/kg	95
3) Ethanol		5.657	45	124851	4954.69	ug/kg	99
5) dichlorodifluoromethane		4.431	85	108702	42.99	ug/kg	96
6) chloromethane		4.701	50	211228	51.24	ug/kg	98
7) vinyl chloride		4.977	62	208414	50.91	ug/kg	99
8) bromomethane	...	5.509	96	102674	51.97	ug/kg	97
9) chloroethane		5.671	64	80802	57.91	ug/kg	100
10) ethyl ether		6.580	59	101504	57.68	ug/kg	96
11) acetonitrile		6.573	41	27536	49.78	ug/kg	95
12) trichlorofluoromethane		6.331	101	208936	59.16	ug/kg	98
13) freon-113		7.146	101	113219	60.73	ug/kg	94
14) acrolein		6.324	56	108327	270.91	ug/kg	98
15) 1,1-dichloroethene		6.951	96	117748	54.62	ug/kg	98
16) acetone		6.573	58	13035m	59.67	ug/kg	
17) Methyl Acetate		7.126	43	183676	55.72	ug/kg	95
18) methylene chloride		7.099	84	142519	61.30	ug/kg	92
19) methyl tert butyl ether		7.907	73	271057	56.43	ug/kg	93
20) acrylonitrile		7.011	53	51509	56.77	ug/kg	88
21) allyl chloride		7.200	41	233598	54.89	ug/kg	93
22) trans-1,2-dichloroethene		7.813	96	131239	56.17	ug/kg	100
23) iodomethane		7.011	142	253769	57.50	ug/kg	100
24) carbon disulfide		7.395	76	377222	56.44	ug/kg	99
25) propionitrile		8.156	54	17729	51.91	ug/kg	100
26) vinyl acetate		8.177	43	273711	49.43	ug/kg	100
27) chloroprene		8.446	53	211846	56.90	ug/kg	95
28) di-isopropyl ether		8.487	45	525478	56.75	ug/kg	90
29) methacrylonitrile		8.601	41	82099	57.09	ug/kg	94
30) 2-butanone		8.500	72	13385	54.98	ug/kg#	1
31) 1,1-dichloroethane		8.069	63	222460	57.84	ug/kg	100
32) tert-butyl ethyl ether		8.884	59	356283	56.04	ug/kg	98
33) isobutyl alcohol		8.891	43	88557	262.78	ug/kg	92
34) 2,2-dichloropropane		8.951	77	134065	56.21	ug/kg	96
35) cis-1,2-dichloroethene		8.655	96	151742	56.58	ug/kg	98
36) ethyl acetate		8.891	43	88501	52.63	ug/kg	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59999.D
Acq On : 6 Oct 2013 9:01 pm
Operator : krystend
Sample : cc2064-50
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 07 09:20:04 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	75296	57.49	ug/kg	91
38) chloroform	8.864	83	224306	59.13	ug/kg	98
40) Tetrahydrofuran	9.194	42	45524	51.31	ug/kg	96
41) 1,1,1-trichloroethane	9.632	97	187852	58.56	ug/kg	96
43) Cyclohexane	9.921	56	226266	52.98	ug/kg	93
44) carbon tetrachloride	10.002	117	190121	55.64	ug/kg	98
45) 1,1-dichloropropene	9.807	75	162848	53.68	ug/kg	95
46) benzene	10.029	78	516904	53.05	ug/kg	99
47) 1,2-dichloroethane	9.524	62	175055	54.03	ug/kg	98
48) tert-amyl methyl ether	10.150	73	270393	53.93	ug/kg	98
49) heptane	10.507	43	222985	50.12	ug/kg	96
50) trichloroethene	10.656	95	143561	53.11	ug/kg	92
51) 1,2-dichloropropane	10.622	63	147933	54.85	ug/kg	99
52) dibromomethane	10.602	93	80048	55.98	ug/kg	91
53) bromodichloromethane	10.716	83	184386	55.70	ug/kg	100
54) Methylcyclohexane	11.181	83	213810	52.94	ug/kg	94
55) 2-chloroethyl vinyl ether	11.087	63	49774	51.91	ug/kg	97
56) methyl methacrylate	10.804	69	77435	54.66	ug/kg	97
57) 1,4-dioxane	10.811	88	6047	275.40	ug/kg	99
58) cis-1,3-dichloropropene	11.336	75	209152	55.26	ug/kg	94
60) 4-methyl-2-pentanone	11.424	43	154606	53.50	ug/kg	100
61) toluene	12.117	92	337193	54.79	ug/kg	99
62) trans-1,3-dichloropropene	11.754	75	176173	55.31	ug/kg	92
63) 1,1,2-trichloroethane	11.929	83	100155	56.51	ug/kg	95
64) ethyl methacrylate	12.124	69	149971	49.75	ug/kg	91
66) tetrachloroethene	12.858	166	133378	43.88	ug/kg	99
67) 1,3-dichloropropane	12.165	76	184111	48.78	ug/kg	99
68) dibromochloromethane	12.461	129	168614	49.32	ug/kg	97
69) 1,2-dibromoethane	12.710	107	129467	48.56	ug/kg	99
70) 2-hexanone	12.286	43	104702	45.56	ug/kg	99
71) chlorobenzene	13.546	112	429503	49.19	ug/kg	93
72) 1,1,1,2-tetrachloroethane	13.465	131	163736	48.14	ug/kg	98
73) ethylbenzene	13.714	91	640606	48.67	ug/kg	96
74) m,p-xylene	13.896	106	555241	98.99	ug/kg	95
75) o-xylene	14.313	106	284673	49.20	ug/kg	91
76) styrene	14.239	104	432082	50.41	ug/kg	98
77) bromoform	14.071	173	102090	47.18	ug/kg	96
78) trans-1,4-dichloro-2-b...	14.462	53	49412	46.36	ug/kg	94
80) isopropylbenzene	14.677	105	724849	49.96	ug/kg	95
82) bromobenzene	14.967	156	189006	48.92	ug/kg	86
83) 1,1,2,2-tetrachloroethane	14.320	83	174161	50.38	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	171191	48.75	ug/kg	99
85) n-propylbenzene	15.122	91	780155	49.99	ug/kg	93
86) 2-chlorotoluene	15.243	91	469022	49.59	ug/kg	93
87) 4-chlorotoluene	15.317	91	462230	50.12	ug/kg	92
88) 1,3,5-trimethylbenzene	15.398	105	607183	50.85	ug/kg	95
89) tert-butylbenzene	15.701	91	330182	49.67	ug/kg	89
90) 1,2,4-trimethylbenzene	15.809	105	592398	50.45	ug/kg	96
91) sec-butylbenzene	15.923	105	825353	50.28	ug/kg	96
92) 1,3-dichlorobenzene	16.031	146	372540	49.83	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59999.D
Acq On : 6 Oct 2013 9:01 pm
Operator : krystend
Sample : cc2064-50
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 07 09:20:04 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

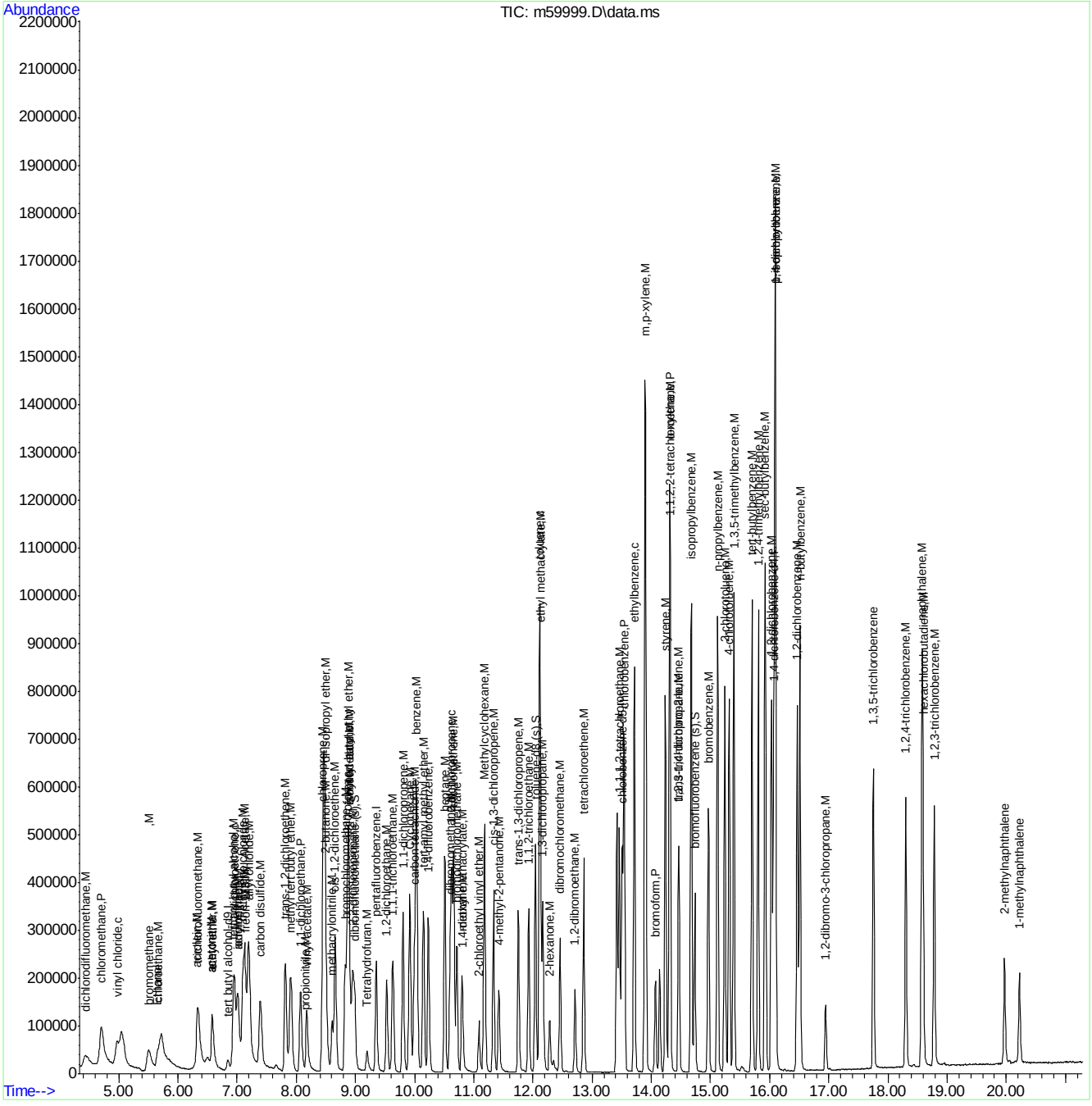
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	652945	50.02	ug/kg	96
94) 1,4-dichlorobenzene	16.099	146	383602	50.71	ug/kg	97
95) 1,2-dichlorobenzene	16.469	146	371183	49.30	ug/kg	98
96) n-butylbenzene	16.516	91	565092	50.53	ug/kg	91
97) 1,2-dibromo-3-chloropr...	16.947	75	31196	44.62	ug/kg	85
98) 1,3,5-trichlorobenzene	17.756	180	212779	44.17	ug/kg	100
99) 1,2,4-trichlorobenzene	18.301	180	200807	43.61	ug/kg	99
100) hexachlorobutadiene	18.598	225	107450	40.28	ug/kg	99
101) naphthalene	18.578	128	599381	43.97	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	201315	42.49	ug/kg	95
103) 2-methylnaphthalene	19.972	142	137240	19.45	ug/kg	99
104) 1-methylnaphthalene	20.221	TIC	447113	19.38	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59999.D
Acq On : 6 Oct 2013 9:01 pm
Operator : krystend
Sample : cc2064-50
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

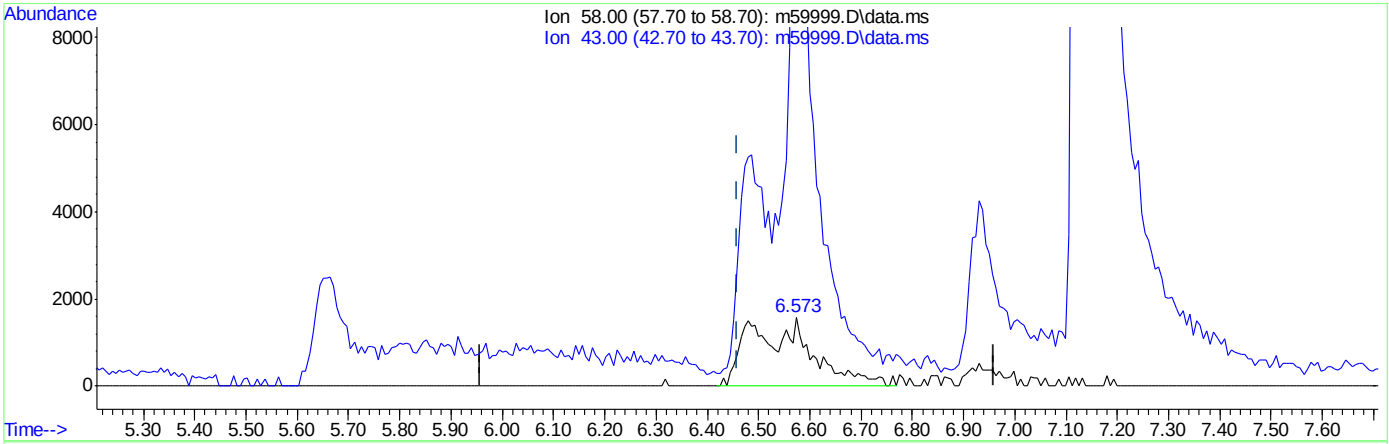
Quant Time: Oct 07 09:20:04 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

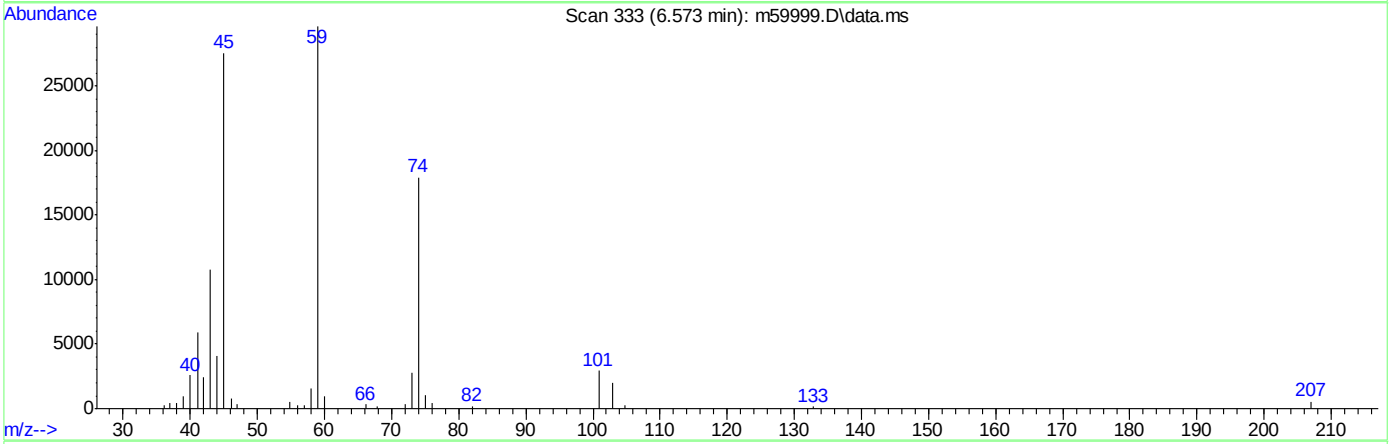


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131006S\
Data File : m59999.D
Acq On : 6 Oct 2013 9:01 pm
Operator : krystend
Sample : cc2064-50
Misc : MS30132,MSM2080,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 07 08:09:59 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m59999.D\data.ms

(16) acetone (M)

6.573min (+0.114) 59.67ug/kg m

response 13035

Ion	Exp%	Act%
58.00	100	100
43.00	380.40	681.40#
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC24849

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
10/08/13 10:29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60022.D
Acq On : 7 Oct 2013 9:17 am
Operator : krystend
Sample : cc2064-50
Misc : MS30133,MSM2081,5,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 07 09:49:13 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	79409	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	215647	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	345399	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	151035	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	186626	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	104724	41.25	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 82.50%			
59) toluene-d8 (s)	12.043	98	370889	40.75	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 81.50%			
81) bromofluorobenzene (s)	14.731	95	134597	39.51	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 79.02%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	122554	448.96	ug/kg	99
3) Ethanol	5.650	45	135537	5224.28	ug/kg	98
5) dichlorodifluoromethane	4.424	85	169691	59.62	ug/kg	96
6) chloromethane	4.701	50	266320	57.40	ug/kg	98
7) vinyl chloride	4.957	62	263616	57.22	ug/kg	96
8) bromomethane ...	5.495	96	123230	55.41	ug/kg	98
9) chloroethane	5.657	64	93250m	59.37	ug/kg	
10) ethyl ether	6.573	59	112803	56.96	ug/kg	95
11) acetonitrile	6.567	41	32737	52.58	ug/kg	92
12) trichlorofluoromethane	6.331	101	253957	63.89	ug/kg	100
13) freon-113	7.139	101	134613	64.16	ug/kg	91
14) acrolein	6.317	56	128729	286.03	ug/kg	100
15) 1,1-dichloroethene	6.937	96	135647	55.90	ug/kg	92
16) acetone	6.486	58	13322	54.10	ug/kg#	58
17) Methyl Acetate	7.126	43	202080	54.46	ug/kg	97
18) methylene chloride	7.099	84	157651	60.24	ug/kg	94
19) methyl tert butyl ether	7.900	73	299270	55.36	ug/kg	94
20) acrylonitrile	6.998	53	59421	58.18	ug/kg	89
21) allyl chloride	7.193	41	265237	55.38	ug/kg	94
22) trans-1,2-dichloroethene	7.806	96	153336	58.31	ug/kg	97
23) iodomethane	7.004	142	299860	60.36	ug/kg	99
24) carbon disulfide	7.388	76	451586	60.03	ug/kg	99
25) propionitrile	8.096	54	19279	50.25	ug/kg	100
26) vinyl acetate	8.170	43	281450	45.56	ug/kg	99
27) chloroprene	8.439	53	243685	58.15	ug/kg	92
28) di-isopropyl ether	8.480	45	571679	54.85	ug/kg	93
29) methacrylonitrile	8.601	41	87167	53.85	ug/kg	97
30) 2-butanone	8.500	72	14390	52.80	ug/kg#	1
31) 1,1-dichloroethane	8.069	63	247281	57.12	ug/kg	98
32) tert-butyl ethyl ether	8.884	59	389352	54.41	ug/kg	98
33) isobutyl alcohol	8.884	43	93513	246.53	ug/kg	97
34) 2,2-dichloropropane	8.951	77	159604	59.45	ug/kg	96
35) cis-1,2-dichloroethene	8.655	96	169049	56.00	ug/kg	98
36) ethyl acetate	8.884	43	93349	49.32	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60022.D
Acq On : 7 Oct 2013 9:17 am
Operator : krystend
Sample : cc2064-50
Misc : MS30133,MSM2081,5,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 07 09:49:13 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	85517	58.01	ug/kg	91
38) chloroform	8.864	83	247061	57.87	ug/kg	98
40) Tetrahydrofuran	9.194	42	48382	48.45	ug/kg	96
41) 1,1,1-trichloroethane	9.632	97	214044	59.28	ug/kg	97
43) Cyclohexane	9.915	56	264850	56.44	ug/kg	89
44) carbon tetrachloride	9.995	117	219741	58.53	ug/kg	99
45) 1,1-dichloropropene	9.800	75	191019	57.30	ug/kg	97
46) benzene	10.029	78	587818	54.91	ug/kg	99
47) 1,2-dichloroethane	9.524	62	195442	54.90	ug/kg	99
48) tert-amyl methyl ether	10.150	73	287858	52.26	ug/kg	97
49) heptane	10.507	43	287142	58.74	ug/kg	96
50) trichloroethene	10.656	95	166827	56.11	ug/kg	91
51) 1,2-dichloropropane	10.622	63	163042	55.02	ug/kg	97
52) dibromomethane	10.595	93	88805	56.52	ug/kg	89
53) bromodichloromethane	10.709	83	204418	56.20	ug/kg	100
54) Methylcyclohexane	11.181	83	259177	58.41	ug/kg	97
55) 2-chloroethyl vinyl ether	11.087	63	55264	52.45	ug/kg	96
56) methyl methacrylate	10.797	69	83326	53.53	ug/kg	91
57) 1,4-dioxane	10.810	88	6452	267.36	ug/kg	71
58) cis-1,3-dichloropropene	11.329	75	237196	57.03	ug/kg	94
60) 4-methyl-2-pentanone	11.423	43	161369	50.82	ug/kg	99
61) toluene	12.111	92	388392	57.44	ug/kg	99
62) trans-1,3-dichloropropene	11.754	75	198341	56.67	ug/kg	88
63) 1,1,2-trichloroethane	11.929	83	107862	55.39	ug/kg	94
64) ethyl methacrylate	12.124	69	157858	47.92	ug/kg	93
66) tetrachloroethene	12.858	166	163691	51.80	ug/kg	99
67) 1,3-dichloropropane	12.164	76	201568	51.36	ug/kg	98
68) dibromochloromethane	12.461	129	185743	52.25	ug/kg	97
69) 1,2-dibromoethane	12.710	107	142719	51.48	ug/kg	97
70) 2-hexanone	12.279	43	106329	44.50	ug/kg	100
71) chlorobenzene	13.539	112	491536	54.14	ug/kg	95
72) 1,1,1,2-tetrachloroethane	13.458	131	181569	51.34	ug/kg	98
73) ethylbenzene	13.714	91	737650	53.90	ug/kg	96
74) m,p-xylene	13.896	106	649721	111.40	ug/kg	94
75) o-xylene	14.313	106	329681	54.80	ug/kg	91
76) styrene	14.239	104	477849	53.62	ug/kg	96
77) bromoform	14.071	173	112100	49.83	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.462	53	56760	51.21	ug/kg	98
80) isopropylbenzene	14.677	105	839419	55.28	ug/kg	96
82) bromobenzene	14.967	156	218910	54.14	ug/kg	87
83) 1,1,2,2-tetrachloroethane	14.320	83	184400	50.96	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	187730	51.08	ug/kg	98
85) n-propylbenzene	15.122	91	922515	56.48	ug/kg	92
86) 2-chlorotoluene	15.243	91	542662	54.82	ug/kg	91
87) 4-chlorotoluene	15.317	91	548856	56.86	ug/kg	90
88) 1,3,5-trimethylbenzene	15.398	105	715297	57.23	ug/kg	94
89) tert-butylbenzene	15.708	91	376493	54.12	ug/kg	84
90) 1,2,4-trimethylbenzene	15.809	105	703125	57.21	ug/kg	97
91) sec-butylbenzene	15.923	105	957449	55.73	ug/kg	96
92) 1,3-dichlorobenzene	16.031	146	449773	57.48	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60022.D
Acq On : 7 Oct 2013 9:17 am
Operator : krystend
Sample : cc2064-50
Misc : MS30133,MSM2081,5,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 07 09:49:13 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

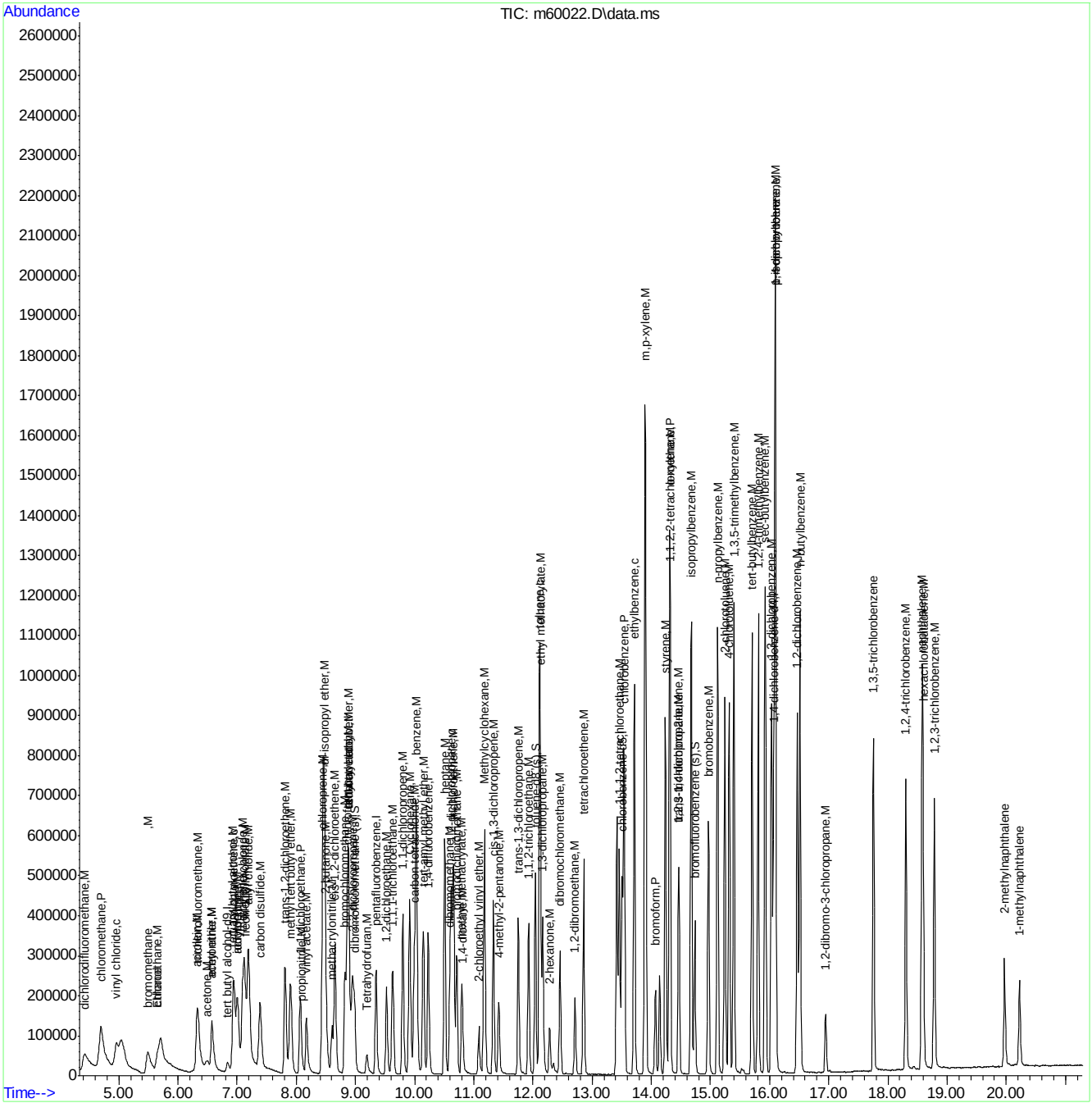
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.099	119	784365	57.42	ug/kg	96
94) 1,4-dichlorobenzene	16.099	146	463457	58.53	ug/kg	97
95) 1,2-dichlorobenzene	16.469	146	435723	55.29	ug/kg	97
96) n-butylbenzene	16.516	91	698996	59.71	ug/kg	90
97) 1,2-dibromo-3-chloropr...	16.947	75	32685	44.66	ug/kg	88
98) 1,3,5-trichlorobenzene	17.756	180	285487	56.62	ug/kg	99
99) 1,2,4-trichlorobenzene	18.301	180	259650	53.88	ug/kg	97
100) hexachlorobutadiene	18.598	225	132635	47.51	ug/kg	98
101) naphthalene	18.578	128	678930	47.59	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	243587	49.12	ug/kg	95
103) 2-methylnaphthalene	19.972	142	167869	22.74	ug/kg	99
104) 1-methylnaphthalene	20.228	TIC	495916	20.54	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60022.D
Acq On : 7 Oct 2013 9:17 am
Operator : krystend
Sample : cc2064-50
Misc : MS30133,MSM2081,5,,,5,1
ALS Vial : 1 Sample Multiplier: 1

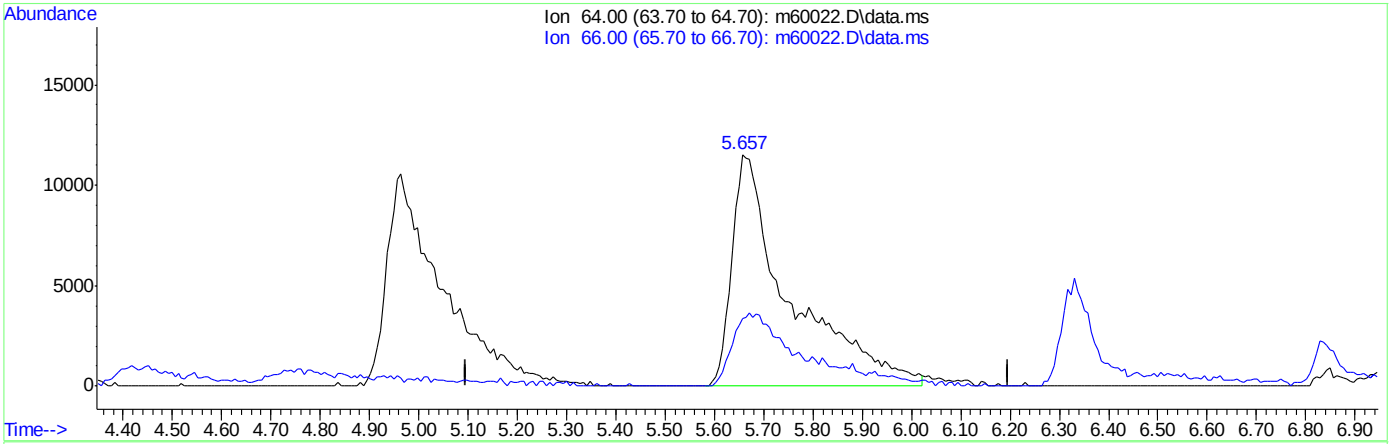
Quant Time: Oct 07 09:49:13 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration

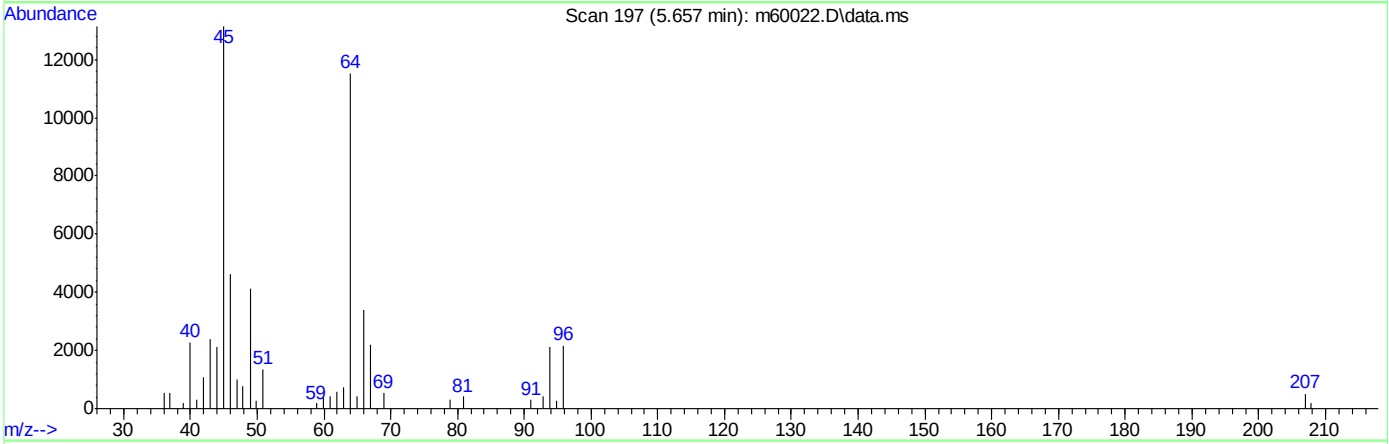


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131007S\
Data File : m60022.D
Acq On : 7 Oct 2013 9:17 am
Operator : krystend
Sample : cc2064-50
Misc : MS30133,MSM2081,5,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 07 09:48:58 2013
Quant Method : C:\msdchem\1\methods\M130925S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Sep 26 15:09:52 2013
Response via : Initial Calibration





TIC: m60022.D\data.ms

(9) chloroethane (M)

5.657min (-0.020) 59.37ug/kg m

response 93250

Ion	Exp%	Act%
64.00	100	100
66.00	31.60	29.29
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC24849

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
M59376	8260 CC (1)	200 ug/mL
83	BS (1)	200
82	IS	250
72	SS	200

Daily Saved File

Tune file 1:	M59583
Tune file 2:	M59596
Initial Cal:	9-25-13
ID File:	M130925S.M
ICAL Verified:	KD
Sequence verified:	KD

Date: 9/25/13

Batch ID: MSM2064

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M59580	blank	NA	NA	8260	1	NA	NA	NA	NA	NA	
81	blank			LOW SOIL	2						
82	blank			CURVE	3						
83	bfb				4						
84	IC2064-2	1			5						
85	-0.5				6						
86	-5				7						
87	-10				8						
88	-20				9						
89	ICC2064-50				10						
90	IC2064-100				11						
91	-200				12						
92	-400				13						
93	blank	NA			14						
94	blank				15						
95	ICV2064-50	1			16						DI
✓ 96	ICV2064-50				17						Sod. Bis. 2.4 8AM
97	blank	NA			18						
98	blank				19						

9/26/13 KD

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

ACCUTEST LABORATORIES MC24849

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9376	8260CC	200ug/mL
83	BS	200
84	IS1S5	250

Daily Saved File

Tune file 1:	M59583
Tune file 2:	M59596
Initial Cal:	9-25-13
ID File:	M130925S.M
ICAL Verified:	KD
Sequence verified:	KD

Date: 9/26/13

Batch ID: MSM2064

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M59599	blank	NA	NA	NA	1	NA	NA	NA	NA	NA	-
M59600	mb	NA	"	"	2	"	"				M.CL. = 2.29 (E
01	MC24621-4A	2	MS30032	RCP	3	SSTB	5				VV B
02	-10	3			4	SO	6.25				VV B
03	-11	3			5		5.11				VV B
04	-12	3			6		5.11				VV B
05	-17	2			7		4.85				VV B
06	-18	4			8		5.01				VV
07	-23	2			9		6.24				VV B
08	MC24563-2	2		TCL	10		5.014				VV B
09	-3	2			11		5.247				VV B
10	-4	2		TCLSTAR	12		5.377				VV B
11	-5	2			13		4.982				VV
12	-2MS	2		TCL	14		5.040				VV
13	-2MSD	2			15		5.311				(before 2:49:) VV

9/26/13 (KD)

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

30

7.2.1

7

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9376	8260 CC	200ug/ml
↓ 83	↓ BS	200 ↓
↓ 84	↓ IS/SS	250 ↓

Daily Saved File

Tune file 1:	M59614
Tune file 2:	NA
Initial Cal:	9-25-13
ID File:	M130925S.M
ICAL Verified:	KD
Sequence verified:	KR

Date: 9/26/13

Batch ID: MSM2065

Analysts KD

Signature: KD

*Note: If sample matrix is soil -- method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M59614	BS/ICV604	1	NA	NA	16	NA	NA	NA	NA	NA	VV
15	ibik	NA	↓	↓	17	↓	↓	↓	↓	↓	-
16	mb	NA	↓	↓	18	↓	↓	↓	↓	↓	VV
17	MC24480-1	2	MS30037	Std+MTBE	19	SO	4.856	↓	↓	↓	VV
18	↓ -2	2	↓	↓	20	↓	5.209	↓	↓	↓	VV
19	-1MS	2	↓	↓	21	↓	4.847	↓	↓	↓	VV
20	↓ -1MSD	2	↓	↓	22	↓	4.975	↓	↓	↓	VV
21	MC24368&22	2	MS30022	BTX	23	↓	5.910	↓	↓	↓	VV
22	-23	2	MS30037	↓	24	↓	6.270	↓	↓	↓	VV
23	-24	2	↓	↓	25	↓	6.630	↓	↓	↓	VV
24	↓ -26	2	↓	↓	26	↓	6.220	↓	↓	↓	VV
25	MC24419-13	3	↓	Std+MTBE	27	↓	7.037	↓	↓	↓	VV
26	-14	2	↓	↓	28	↓	8.471	↓	↓	↓	VV
27	↓ -15	2	↓	↓	29	↓	8.631	↓	↓	↓	VV
28	MC24378-1A	1	↓	↓	30	SSTB	5	↓	↓	↓	VV
29	MC24409-1	2	↓	BTX	31	SO	5.240	↓	↓	↓	VV
30	-3	3	↓	↓	32	↓	4.680	↓	↓	↓	VV
31	-4	2	↓	↓	33	↓	6.200	↓	↓	↓	VV
32	-5	2	↓	↓	34	↓	4.990	↓	↓	↓	VV
33	-7	2	↓	↓	35	↓	5.340	↓	↓	↓	VV
34	-8	2	↓	↓	36	↓	6.290	↓	↓	↓	VV
35	-9	2	↓	↓	37	↓	5.410	↓	↓	↓	VV
36	-12	2	↓	↓	38	↓	5.970	↓	↓	↓	VV
37	↓ -6	2	↓	↓	39	↓	6.180	↓	↓	↓	VV
↓ 38	blank	NA	NA	NA	40	NA	NA	↓	↓	↓	-

9/26/13 KD

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

Review:_____

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9392	8260CC	200ug/mL
94	BS	200
84	IS+SS	250

Daily Saved File

Tune file 1:	M59999
Tune file 2:	NA
Initial Cal:	9-25-13
ID File:	M130925S.M
ICAL Verified:	KD
Sequence verified:	KK

Date: 10-6-13

Batch ID: MSM2080

Analysts KD

Signature:

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M59999	CC2064-50	1	NA	NA	27	NA	NA	NA	NA	NA	5.01pm VV
M60000	BS	1			28						VV
01	BSD	1			29						-
02	iblk	NA			30						-
03	mb	NA			31						VV
04	MC25016-5A	2	MS30132	RCP	32	SSTB	5				VV
05 x	MC24849-1	1		TCL42+(20)	33	50	4.851				VV RR 11 DCA
06	-5	1			34		4.713				VV
07	-6	1			35		5.694				VV
08	-12	1			36		4.694				VV
09	-7	1			37		5.563				VV
10	-5MS	1			38		5.612				VV
11	-5MSD	1			39		5.848				RR? mis-Spike
12	MC24873-4	2		CTARDM+5	40		5.900				VV
13	-11	3			41		5.800				VV
14	-12	3			42		6.160				VV
15	MC24999-5	4		RCP	43		8.867				VV
16	MC24908-3	3			44		5.59				VV
17	-4	3			45		5.12				VV
18	MC24954-2	4		BTXM	46		4.880				VV
19	-3	3			47		5.270				VV
20	MC24778-10	2	MS30133	SL+	48		6.5				VV
21	-11	3			49		5.42				VV
22	MC24908-6	3	MS30132	RCP	50		4.93				Not run
23	-7	2			51		5.8				

10/6/13 KD

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:_____

ACCUTEST LABORATORIES MC24849

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9392	8260 CC	200ug/mL
94	BS	200
84	IS+SS	250

Daily Saved File

Tune file 1:	
Tune file 2:	NA
Initial Cal:	9-25-13
ID File:	M130925S.M
ICAL Verified:	KD
Sequence verified:	KD

Date: 10-7-13

Batch ID: MSM2081

Analysts KD

Signature:

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M60022	CC2064-50	1	NA	NA	1	NA	NA	NA	NA	NA	VV
23	BS	1			2						VV
24	BSD	1			3						-
25	iblk	NA			4						-
26	mb	NA			5						VV
27	MC24794-1A	1	MS30137	Std+MTBE	6	SSTB	5				VV
28	MC24849-1	1	MS30132	TCL42+(20)	7	SO	4.704				VV
29	MC25054-13A	2	MS30137	RCP	8	SSTB	5				VV
30	MC24908-6	3	MS30132		9	SO	4.93				VV
31	-7	2			10		5.8				VV
32	MC24849-5MSD	1		TCL42+	11		5.991				MSM2080 VV
33	-1MS	1			12		5.433				VV
34	-1MSD	1			13		5.351				VV
35	MC24816-1	2	MS30137	SL	14		5.010				VV
36	MC24778-13	2		SL+	15		4.86				VV
37	-14	2			16		5.48				VV
38	MC24807-1	2			17		5.050				VV
39	-2	3			18		5.500				VV
40	-5	2			19		5.790				VV
41	-6	3			20		5.030				VV
42	-7	2			21		5.130				VV
43	-8	3			22		1.670				VV
44	MC24866-1	3			23		4.710				VV
45	-2	2			24		4.680				VV
46	-5	2			25		5.040				VV
	10-7-13 KD										

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review:

ACCUTEST LABORATORIES MC24849

New England ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP35125-MB	R34042.D	1	10/07/13	KR	10/04/13	OP35125	MSR1238

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24849-6, MC24849-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	240	11	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	480	12	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	480	14	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	480	78	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	960	120	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	480	60	ug/kg	
95-48-7	2-Methylphenol	ND	480	19	ug/kg	
	3&4-Methylphenol	ND	480	23	ug/kg	
88-75-5	2-Nitrophenol	ND	480	13	ug/kg	
100-02-7	4-Nitrophenol	ND	960	90	ug/kg	
87-86-5	Pentachlorophenol	ND	480	34	ug/kg	
108-95-2	Phenol	ND	240	14	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	480	12	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	480	12	ug/kg	
83-32-9	Acenaphthene	ND	96	13	ug/kg	
208-96-8	Acenaphthylene	ND	96	9.6	ug/kg	
98-86-2	Acetophenone	ND	480	11	ug/kg	
120-12-7	Anthracene	ND	96	12	ug/kg	
1912-24-9	Atrazine	ND	480	480	ug/kg	
100-52-7	Benzaldehyde	ND	480	480	ug/kg	
56-55-3	Benzo(a)anthracene	ND	96	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	96	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	96	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	96	9.6	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	96	14	ug/kg	
92-52-4	1,1'-Biphenyl	ND	480	96	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	240	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	240	9.8	ug/kg	
105-60-2	Caprolactam	ND	480	480	ug/kg	
91-58-7	2-Chloronaphthalene	ND	240	13	ug/kg	
106-47-8	4-Chloroaniline	ND	480	12	ug/kg	
86-74-8	Carbazole	ND	96	11	ug/kg	
218-01-9	Chrysene	ND	96	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	240	11	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	240	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	240	17	ug/kg	

Method Blank Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP35125-MB	R34042.D	1	10/07/13	KR	10/04/13	OP35125	MSR1238

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24849-6, MC24849-7

CAS No.	Compound	Result	RL	MDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	ND	240	15	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	480	32	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	480	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	240	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	96	11	ug/kg	
132-64-9	Dibenzofuran	ND	96	13	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	240	25	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	240	7.5	ug/kg	
84-66-2	Diethyl phthalate	ND	240	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	240	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	240	8.8	ug/kg	
206-44-0	Fluoranthene	ND	96	13	ug/kg	
86-73-7	Fluorene	ND	96	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	240	15	ug/kg	
87-68-3	Hexachlorobutadiene	ND	240	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	480	120	ug/kg	
67-72-1	Hexachloroethane	ND	240	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	96	11	ug/kg	
78-59-1	Isophorone	ND	240	11	ug/kg	
91-57-6	2-Methylnaphthalene	ND	96	12	ug/kg	
88-74-4	2-Nitroaniline	ND	480	12	ug/kg	
99-09-2	3-Nitroaniline	ND	480	26	ug/kg	
100-01-6	4-Nitroaniline	ND	480	12	ug/kg	
91-20-3	Naphthalene	ND	96	15	ug/kg	
98-95-3	Nitrobenzene	ND	240	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	240	14	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	240	14	ug/kg	
85-01-8	Phenanthrene	ND	96	13	ug/kg	
129-00-0	Pyrene	ND	96	11	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	59%	30-130%
4165-62-2	Phenol-d5	59%	30-130%
118-79-6	2,4,6-Tribromophenol	56%	30-130%

Method Blank Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP35125-MB	R34042.D	1	10/07/13	KR	10/04/13	OP35125	MSR1238

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24849-6, MC24849-7

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	51%	30-130%
321-60-8	2-Fluorobiphenyl	56%	30-130%
1718-51-0	Terphenyl-d14	68%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
6311-48-4	Dibenzylidene 4,4'-biphenylenediamine	11.45	1700	ug/kg	JN
	Total TIC, Semi-Volatile		1700	ug/kg	J

Blank Spike Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP35125-BS	R34043.D	1	10/07/13	KR	10/04/13	OP35125	MSR1238

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24849-6, MC24849-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	2390	1780	74	30-130
59-50-7	4-Chloro-3-methyl phenol	2390	1850	77	30-130
120-83-2	2,4-Dichlorophenol	2390	1850	77	30-130
105-67-9	2,4-Dimethylphenol	2390	1730	72	30-130
51-28-5	2,4-Dinitrophenol	2390	1480	62	30-130
534-52-1	4,6-Dinitro-o-cresol	2390	1860	78	30-130
95-48-7	2-Methylphenol	2390	1860	78	30-130
	3&4-Methylphenol	4780	3650	76	30-130
88-75-5	2-Nitrophenol	2390	1740	73	30-130
100-02-7	4-Nitrophenol	2390	1420	59	30-130
87-86-5	Pentachlorophenol	2390	1490	62	30-130
108-95-2	Phenol	2390	2100	88	30-130
95-95-4	2,4,5-Trichlorophenol	2390	1960	82	30-130
88-06-2	2,4,6-Trichlorophenol	2390	1920	80	30-130
83-32-9	Acenaphthene	2390	1760	74	40-140
208-96-8	Acenaphthylene	2390	1590	66	40-140
98-86-2	Acetophenone	2390	1570	66	40-140
120-12-7	Anthracene	2390	1920	80	40-140
1912-24-9	Atrazine	2390	2020	84	40-140
100-52-7	Benzaldehyde	2390	953	40	40-140
56-55-3	Benzo(a)anthracene	2390	2050	86	40-140
50-32-8	Benzo(a)pyrene	2390	1920	80	40-140
205-99-2	Benzo(b)fluoranthene	2390	2280	95	40-140
191-24-2	Benzo(g,h,i)perylene	2390	2120	89	40-140
207-08-9	Benzo(k)fluoranthene	2390	1810	76	40-140
92-52-4	1,1'-Biphenyl	2390	1600	67	40-140
101-55-3	4-Bromophenyl phenyl ether	2390	1960	82	40-140
85-68-7	Butyl benzyl phthalate	2390	2040	85	40-140
105-60-2	Caprolactam	2390	2070	87	40-140
91-58-7	2-Chloronaphthalene	2390	1850	77	40-140
106-47-8	4-Chloroaniline	2390	1410	59	40-140
86-74-8	Carbazole	2390	1990	83	40-140
218-01-9	Chrysene	2390	1960	82	40-140
111-91-1	bis(2-Chloroethoxy)methane	2390	1660	69	40-140
111-44-4	bis(2-Chloroethyl)ether	2390	1770	74	40-140
108-60-1	bis(2-Chloroisopropyl)ether	2390	2310	97	40-140

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP35125-BS	R34043.D	1	10/07/13	KR	10/04/13	OP35125	MSR1238

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24849-6, MC24849-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
7005-72-3	4-Chlorophenyl phenyl ether	2390	1940	81	40-140
121-14-2	2,4-Dinitrotoluene	2390	2050	86	40-140
606-20-2	2,6-Dinitrotoluene	2390	1950	82	40-140
91-94-1	3,3'-Dichlorobenzidine	2390	1850	77	40-140
53-70-3	Dibenzo(a,h)anthracene	2390	2130	89	40-140
132-64-9	Dibenzofuran	2390	1740	73	40-140
84-74-2	Di-n-butyl phthalate	2390	2020	84	40-140
117-84-0	Di-n-octyl phthalate	2390	2220	93	40-140
84-66-2	Diethyl phthalate	2390	2030	85	40-140
131-11-3	Dimethyl phthalate	2390	1990	83	40-140
117-81-7	bis(2-Ethylhexyl)phthalate	2390	2010	84	40-140
206-44-0	Fluoranthene	2390	2090	87	40-140
86-73-7	Fluorene	2390	1890	79	40-140
118-74-1	Hexachlorobenzene	2390	1860	78	40-140
87-68-3	Hexachlorobutadiene	2390	1660	69	40-140
77-47-4	Hexachlorocyclopentadiene	2390	681	28* [a]	40-140
67-72-1	Hexachloroethane	2390	1470	61	40-140
193-39-5	Indeno(1,2,3-cd)pyrene	2390	2090	87	40-140
78-59-1	Isophorone	2390	1660	69	40-140
91-57-6	2-Methylnaphthalene	2390	1590	66	40-140
88-74-4	2-Nitroaniline	2390	2020	84	40-140
99-09-2	3-Nitroaniline	2390	1700	71	40-140
100-01-6	4-Nitroaniline	2390	1830	76	40-140
91-20-3	Naphthalene	2390	2340	98	40-140
98-95-3	Nitrobenzene	2390	1520	64	40-140
621-64-7	N-Nitroso-di-n-propylamine	2390	1770	74	40-140
86-30-6	N-Nitrosodiphenylamine	2390	1900	79	40-140
85-01-8	Phenanthrene	2390	2000	84	40-140
129-00-0	Pyrene	2390	2010	84	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	69%	30-130%
4165-62-2	Phenol-d5	69%	30-130%
118-79-6	2,4,6-Tribromophenol	67%	30-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP35125-BS	R34043.D	1	10/07/13	KR	10/04/13	OP35125	MSR1238

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24849-6, MC24849-7

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	61%	30-130%
321-60-8	2-Fluorobiphenyl	68%	30-130%
1718-51-0	Terphenyl-d14	75%	30-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP35125-MS	R34046.D	1	10/07/13	KR	10/04/13	OP35125	MSR1238
OP35125-MSD	R34047.D	1	10/07/13	KR	10/04/13	OP35125	MSR1238
MC24922-1	R34048.D	1	10/07/13	KR	10/04/13	OP35125	MSR1238

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24849-6, MC24849-7

CAS No.	Compound	MC24922-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		2750	1530	56	1360	49	12	30-130/30
59-50-7	4-Chloro-3-methyl phenol	ND		2750	1750	64	1710	62	2	30-130/30
120-83-2	2,4-Dichlorophenol	ND		2750	1710	62	1620	59	5	30-130/30
105-67-9	2,4-Dimethylphenol	ND		2750	1560	57	1500	55	4	30-130/30
51-28-5	2,4-Dinitrophenol	ND		2750	1480	54	1450	53	2	30-130/30
534-52-1	4,6-Dinitro-o-cresol	ND		2750	1780	65	1900	69	7	30-130/30
95-48-7	2-Methylphenol	ND		2750	1620	59	1500	55	8	30-130/30
	3&4-Methylphenol	ND		5500	3190	58	2940	53	8	30-130/30
88-75-5	2-Nitrophenol	ND		2750	1510	55	1370	50	10	30-130/30
100-02-7	4-Nitrophenol	ND		2750	1650	60	1560	57	6	30-130/30
87-86-5	Pentachlorophenol	ND		2750	1520	55	1660	60	9	30-130/30
108-95-2	Phenol	ND		2750	1800	66	1560	57	14	30-130/30
95-95-4	2,4,5-Trichlorophenol	ND		2750	1930	70	1940	71	1	30-130/30
88-06-2	2,4,6-Trichlorophenol	ND		2750	1780	65	1720	63	3	30-130/30
83-32-9	Acenaphthene	ND		2750	1640	60	1630	59	1	40-140/30
208-96-8	Acenaphthylene	ND		2750	1500	55	1440	52	4	40-140/30
98-86-2	Acetophenone	ND		2750	1340	49	1210	44	10	40-140/30
120-12-7	Anthracene	ND		2750	1860	68	2000	73	7	40-140/30
1912-24-9	Atrazine	ND		2750	2010	73	2180	79	8	40-140/30
100-52-7	Benzaldehyde	ND		2750	784	29* [a]	696	25* [a]	12	40-140/30
56-55-3	Benzo(a)anthracene	ND		2750	1990	72	2340	85	16	40-140/30
50-32-8	Benzo(a)pyrene	ND		2750	1810	66	2110	77	15	40-140/30
205-99-2	Benzo(b)fluoranthene	ND		2750	2100	76	2400	87	13	40-140/30
191-24-2	Benzo(g,h,i)perylene	ND		2750	2040	74	2330	85	13	40-140/30
207-08-9	Benzo(k)fluoranthene	ND		2750	1650	60	1940	71	16	40-140/30
92-52-4	1,1'-Biphenyl	ND		2750	1440	52	1390	51	4	40-140/30
101-55-3	4-Bromophenyl phenyl ether	ND		2750	1920	70	1900	69	1	40-140/30
85-68-7	Butyl benzyl phthalate	ND		2750	1980	72	2280	83	14	40-140/30
105-60-2	Caprolactam	ND		2750	1820	66	1990	72	9	40-140/30
91-58-7	2-Chloronaphthalene	ND		2750	1700	62	1560	57	9	40-140/30
106-47-8	4-Chloroaniline	ND		2750	1160	42	1240	45	7	40-140/30
86-74-8	Carbazole	ND		2750	1940	71	2150	78	10	40-140/30
218-01-9	Chrysene	ND		2750	1870	68	2200	80	16	40-140/30
111-91-1	bis(2-Chloroethoxy)methane	ND		2750	1440	52	1390	51	4	40-140/30
111-44-4	bis(2-Chloroethyl)ether	ND		2750	1490	54	1290	47	14	40-140/30
108-60-1	bis(2-Chloroisopropyl)ether	ND		2750	1970	72	1690	61	15	40-140/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP35125-MS	R34046.D	1	10/07/13	KR	10/04/13	OP35125	MSR1238
OP35125-MSD	R34047.D	1	10/07/13	KR	10/04/13	OP35125	MSR1238
MC24922-1	R34048.D	1	10/07/13	KR	10/04/13	OP35125	MSR1238

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24849-6, MC24849-7

CAS No.	Compound	MC24922-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
7005-72-3	4-Chlorophenyl phenyl ether	ND		2750	1820	66	1810	66	1	40-140/30
121-14-2	2,4-Dinitrotoluene	ND		2750	1990	72	2110	77	6	40-140/30
606-20-2	2,6-Dinitrotoluene	ND		2750	1790	65	1820	66	2	40-140/30
91-94-1	3,3'-Dichlorobenzidine	ND		2750	1520	55	1840	67	19	40-140/30
53-70-3	Dibenzo(a,h)anthracene	ND		2750	2050	75	2350	85	14	40-140/30
132-64-9	Dibenzofuran	ND		2750	1630	59	1610	59	1	40-140/30
84-74-2	Di-n-butyl phthalate	ND		2750	1950	71	2190	80	12	40-140/30
117-84-0	Di-n-octyl phthalate	ND		2750	2050	75	2320	84	12	40-140/30
84-66-2	Diethyl phthalate	ND		2750	1910	70	2030	74	6	40-140/30
131-11-3	Dimethyl phthalate	ND		2750	1850	67	1920	70	4	40-140/30
117-81-7	bis(2-Ethylhexyl)phthalate	ND		2750	1960	71	2230	81	13	40-140/30
206-44-0	Fluoranthene	ND		2750	2020	74	2300	84	13	40-140/30
86-73-7	Fluorene	ND		2750	1780	65	1820	66	2	40-140/30
118-74-1	Hexachlorobenzene	ND		2750	1760	64	1840	67	4	40-140/30
87-68-3	Hexachlorobutadiene	ND		2750	1450	53	1220	44	17	40-140/30
77-47-4	Hexachlorocyclopentadiene	ND		2750	540	20* [a]	382	14* [a]	34* [b]	40-140/30
67-72-1	Hexachloroethane	ND		2750	1260	46	965	35* [a]	27	40-140/30
193-39-5	Indeno(1,2,3-cd)pyrene	ND		2750	2010	73	2310	84	14	40-140/30
78-59-1	Isophorone	ND		2750	1480	54	1420	52	4	40-140/30
91-57-6	2-Methylnaphthalene	ND		2750	1400	51	1310	48	7	40-140/30
88-74-4	2-Nitroaniline	ND		2750	1910	70	2010	73	5	40-140/30
99-09-2	3-Nitroaniline	ND		2750	1610	59	1820	66	12	40-140/30
100-01-6	4-Nitroaniline	ND		2750	1720	63	1950	71	13	40-140/30
91-20-3	Naphthalene	ND		2750	2060	75	1850	67	11	40-140/30
98-95-3	Nitrobenzene	ND		2750	1290	47	1140	41	12	40-140/30
621-64-7	N-Nitroso-di-n-propylamine	ND		2750	1510	55	1380	50	9	40-140/30
86-30-6	N-Nitrosodiphenylamine	ND		2750	1840	67	1890	69	3	40-140/30
85-01-8	Phenanthrene	ND		2750	1930	70	2050	75	6	40-140/30
129-00-0	Pyrene	ND		2750	1850	67	2160	79	15	40-140/30

CAS No.	Surrogate Recoveries	MS	MSD	MC24922-1	Limits
367-12-4	2-Fluorophenol	50%	44%		30-130%
4165-62-2	Phenol-d5	53%	47%		30-130%
118-79-6	2,4,6-Tribromophenol	60%	63%		30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP35125-MS	R34046.D	1	10/07/13	KR	10/04/13	OP35125	MSR1238
OP35125-MSD	R34047.D	1	10/07/13	KR	10/04/13	OP35125	MSR1238
MC24922-1	R34048.D	1	10/07/13	KR	10/04/13	OP35125	MSR1238

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC24849-6, MC24849-7

CAS No.	Surrogate Recoveries	MS	MSD	MC24922-1	Limits
4165-60-0	Nitrobenzene-d5	45%	41%	47%	30-130%
321-60-8	2-Fluorobiphenyl	53%	49%	56%	30-130%
1718-51-0	Terphenyl-d14	60%	69%	69%	30-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(b) High RPD due to possible matrix interference and/or sample non-homogeneity.

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSR1159-DFTPP
Lab File ID: R31829.D
Instrument ID: GCMSR
Injection Date: 06/28/13
Injection Time: 19:25

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	15081	37.7		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	15275	38.1		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	18690	46.7		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	40043	100.0		Pass
199	5.0 - 9.0% of mass 198	2731	6.82		Pass
275	10.0 - 30.0% of mass 198	10188	25.4		Pass
365	1.0 - 100.0% of mass 198	1276	3.19		Pass
441	Present, but less than mass 443	5840	14.6	(81.2) [b]	Pass
442	40.0 - 100.0% of mass 198	36685	91.6		Pass
443	17.0 - 23.0% of mass 442	7191	18.0	(19.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSR1159-ICC1159	R31830.D	06/28/13	19:48	00:23	Initial cal 50
MSR1159-IC1159	R31831.D	06/28/13	20:11	00:46	Initial cal 2
MSR1159-IC1159	R31832.D	06/28/13	20:33	01:08	Initial cal 5
MSR1159-IC1159	R31833.D	06/28/13	20:56	01:31	Initial cal 10
MSR1159-IC1159	R31834.D	06/28/13	21:19	01:54	Initial cal 20
MSR1159-IC1159	R31835.D	06/28/13	21:42	02:17	Initial cal 80
MSR1159-IC1159	R31836.D	06/28/13	22:05	02:40	Initial cal 120
MSR1159-IC1159	R31837.D	06/28/13	22:27	03:02	Initial cal 160
MSR1159-IC1159	R31839.D	06/28/13	23:13	03:48	Initial cal 5
MSR1159-IC1159	R31840.D	06/28/13	23:36	04:11	Initial cal 10
MSR1159-IC1159	R31841.D	06/28/13	23:59	04:34	Initial cal 20
MSR1159-IC1159	R31842.D	06/29/13	00:21	04:56	Initial cal 50
MSR1159-IC1159	R31843.D	06/29/13	00:45	05:20	Initial cal 80
MSR1159-IC1159	R31844.D	06/29/13	01:08	05:43	Initial cal 120
MSR1159-IC1159	R31845.D	06/29/13	01:32	06:07	Initial cal 160

Instrument Performance Check (DFTPP)

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSR1238-DFTPP
Lab File ID: R34027.D
Instrument ID: GCMSR
Injection Date: 10/07/13
Injection Time: 08:51

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	40115	36.9		Pass
68	Less than 2.0% of mass 69	210	0.19	(0.56) [a]	Pass
69	Mass 69 relative abundance	37611	34.6		Pass
70	Less than 2.0% of mass 69	117	0.11	(0.31) [a]	Pass
127	40.0 - 60.0% of mass 198	45283	41.7		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	108651	100.0		Pass
199	5.0 - 9.0% of mass 198	7246	6.67		Pass
275	10.0 - 30.0% of mass 198	25517	23.5		Pass
365	1.0 - 100.0% of mass 198	2904	2.67		Pass
441	Present, but less than mass 443	15183	14.0	(82.2) [b]	Pass
442	40.0 - 100.0% of mass 198	93931	86.5		Pass
443	17.0 - 23.0% of mass 442	18480	17.0	(19.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSR1238-CC1159	R34028.D	10/07/13	09:15	00:24	Continuing cal 80
OP35129-MB	R34029.D	10/07/13	09:38	00:47	Method Blank
OP35129-BS	R34030.D	10/07/13	10:01	01:10	Blank Spike
OP35129-BSD	R34031.D	10/07/13	10:25	01:34	Blank Spike Duplicate
OP35129-MS	R34032.D	10/07/13	10:49	01:58	Matrix Spike
OP35129-MSD	R34033.D	10/07/13	11:12	02:21	Matrix Spike Duplicate
MC24800-17	R34034.D	10/07/13	11:35	02:44	(used for QC only; not part of job MC24849)
ZZZZZZ	R34035.D	10/07/13	11:57	03:06	(unrelated sample)
ZZZZZZ	R34036.D	10/07/13	12:20	03:29	(unrelated sample)
ZZZZZZ	R34037.D	10/07/13	12:43	03:52	(unrelated sample)
ZZZZZZ	R34038.D	10/07/13	13:06	04:15	(unrelated sample)
ZZZZZZ	R34039.D	10/07/13	13:32	04:41	(unrelated sample)
MSR1238-CC1159	R34041.D	10/07/13	14:19	05:28	Continuing cal 80
OP35125-MB	R34042.D	10/07/13	14:42	05:51	Method Blank
OP35125-BS	R34043.D	10/07/13	15:05	06:14	Blank Spike
ZZZZZZ	R34044.D	10/07/13	15:27	06:36	(unrelated sample)
ZZZZZZ	R34045.D	10/07/13	15:50	06:59	(unrelated sample)
OP35125-MS	R34046.D	10/07/13	16:13	07:22	Matrix Spike
OP35125-MSD	R34047.D	10/07/13	16:36	07:45	Matrix Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample:	MSR1238-DFTPP	**Injection Date:**	10/07/13
Lab File ID:	R34027.D	**Injection Time:**	08:51
Instrument ID:	GCMSR		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MC24922-1	R34048.D	10/07/13	16:58	08:07	(used for QC only; not part of job MC24849)
MC24849-6	R34049.D	10/07/13	17:21	08:30	EPT-SB-LASA417-0209
MC24849-7	R34050.D	10/07/13	17:44	08:53	EPT-SB-LASA418-13
ZZZZZZ	R34051.D	10/07/13	18:06	09:15	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std: MSR1238-CC1159 **Injection Date:** 10/07/13
Lab File ID: R34041.D **Injection Time:** 14:19
Instrument ID: GCMSR **Method:** SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	95958	3.79	358682	4.83	224573	6.35	386197	7.70	421952	10.60	413861	12.17
Upper Limit [a]	191916	4.29	717364	5.33	449146	6.85	772394	8.20	843904	11.10	827722	12.67
Lower Limit [b]	47979	3.29	179341	4.33	112287	5.85	193099	7.20	210976	10.10	206931	11.67
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
OP35125-MB	60789	3.79	230352	4.83	146864	6.35	260911	7.69	288091	10.59	270457	12.17
OP35125-BS	65389	3.79	248015	4.83	158064	6.35	273811	7.69	292514	10.60	270236	12.17
ZZZZZZ	86921	3.78	325949	4.83	203876	6.35	363189	7.69	405407	10.59	386664	12.17
ZZZZZZ	78026	3.79	291194	4.83	188855	6.35	328913	7.69	375211	10.60	377048	12.17
OP35125-MS	65667	3.79	250016	4.83	157577	6.35	275694	7.69	311816	10.60	309279	12.17
OP35125-MSD	61788	3.79	231376	4.83	147172	6.35	258141	7.69	286691	10.60	290944	12.17
MC24922-1	84761	3.78	309142	4.83	196740	6.35	343580	7.69	380333	10.60	373329	12.17
MC24849-6	60574	3.79	220937	4.83	143729	6.35	253027	7.69	279236	10.59	276202	12.17
MC24849-7	71265	3.78	266663	4.83	175708	6.35	309575	7.69	337538	10.60	326855	12.17
ZZZZZZ	66674	3.79	241576	4.83	160482	6.35	282664	7.69	310373	10.59	314204	12.17

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8270C **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC24849-6	R34049.D	61.0	63.0	64.0	46.0	62.0	71.0
MC24849-7	R34050.D	51.0	53.0	52.0	47.0	57.0	64.0
OP35125-BS	R34043.D	69.0	69.0	67.0	61.0	68.0	75.0
OP35125-MB	R34042.D	59.0	59.0	56.0	51.0	56.0	68.0
OP35125-MS	R34046.D	50.0	53.0	60.0	45.0	53.0	60.0
OP35125-MSD	R34047.D	44.0	47.0	63.0	41.0	49.0	69.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	30-130%
S2 = Phenol-d5	30-130%
S3 = 2,4,6-Tribromophenol	30-130%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

Initial Calibration Summary

Job Number: MC24849 **Sample:** MSR1159-ICC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31830.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report MSR

Method : W:\1\methods\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

Calibration Files
160 =R31845.D 120 =R31844.D 80 =R31843.D 20 =R31841.D
5 =R31839.D 2 =R31831.D 10 =R31840.D 50 =R31842.D

	Compound	160	120	80	20	5	2	10	50	Avg	%RSD
1)	I 1,4-Dichlorobenzene-d	ISTD									
2)	N-nitrosodim	0.816	0.822	0.786	0.784	0.710		0.795	0.791	0.786	4.67
3)	Pyridine	1.434	1.468	1.433	1.428	1.372		1.426	1.449	1.430	2.05
4)	Aniline	1.906	1.924	1.873	1.823	1.746	1.640	1.793	1.871	1.822	5.18
5)	2-Fluorophen	1.258	1.270	1.207	1.195	1.238	1.083	1.215	1.233	1.213	4.79
6)	bis(2-Chloro	0.888	0.906	0.859	0.857	0.889	0.781	0.866	0.875	0.865	4.37
7)	Phenol-d5	1.594	1.597	1.530	1.524	1.518	1.541	1.462	1.516	1.535	2.85
8)	Phenol	1.604	1.611	1.566	1.557	1.446	1.434	1.457	1.546	1.528	4.68
9)	2-Chlorophen	1.350	1.380	1.314	1.287	1.177	1.186	1.283	1.323	1.287	5.64
10)	1,3-Dichloro	1.493	1.499	1.444	1.449	1.444	1.381	1.480	1.458	1.456	2.56
11)	1,4-Dichloro	1.564	1.574	1.514	1.491	1.439	1.519	1.471	1.544	1.515	3.05
12)	1,2-Dichloro	1.420	1.441	1.366	1.325	1.277	1.282	1.334	1.408	1.357	4.60
13)	Benzyl alcoh	0.866	0.885	0.848	0.796	0.754		0.778	0.866	0.828	6.14
14)	bis(2-chloro	1.520	1.521	1.479	1.492	1.508	1.365	1.419	1.513	1.477	3.80
15)	o-cresol	1.165	1.169	1.154	1.104	1.041	1.030	1.027	1.169	1.107	5.92
16)	Acetophenone	1.871	1.909	1.853	1.862	1.816	1.700	1.728	1.884	1.828	4.14
17)	Hexachloroet	0.576	0.590	0.569	0.572	0.552	0.548	0.536	0.576	0.565	3.13
18)	N-Nitroso-di	0.892	0.902	0.870	0.877	0.744	0.937	0.787	0.861	0.859	7.32
19)	m+p-cresols	1.284	1.293	1.252	1.180	1.157	1.130	1.141	1.265	1.213	5.57
20)	4-methylphen	1.284	1.293	1.252	1.180	1.157	1.130	1.141	1.264	1.213	5.56
21)	I 1,4-Dichlorobenzene-d	ISTD									
22)	Benzaldehyde			1.030	0.999	0.925		1.134	1.025	1.023	7.34
23)	I Naphthalene-d8	ISTD									
24)	Nitrobenzene	0.403	0.392	0.380	0.386	0.381	0.361	0.376	0.379	0.382	3.21
25)	Nitrobenzene	0.400	0.387	0.379	0.384	0.389	0.393	0.374	0.381	0.386	2.14
26)	Isophorone	0.694	0.675	0.645	0.645	0.598	0.618	0.617	0.648	0.643	4.90
27)	2-Nitropheno	0.203	0.193	0.186	0.175	0.166		0.174	0.189	0.184	6.86
28)	2,4-Dimethyl	0.369	0.361	0.340	0.351	0.283		0.331	0.350	0.341	8.36
29)	bis(2-Chloro	0.411	0.401	0.386	0.396	0.367		0.377	0.374	0.388	4.09
30)	Benzoic acid	0.292	0.280	0.262	0.196			0.158	0.240	0.238	21.79
	---- Linear regression ---- Coefficient = 0.9955										
	Response Ratio = -0.03395 + 0.28255 *A										
31)	2,4-Dichloro	0.325	0.312	0.304	0.295	0.260		0.295	0.312	0.300	6.88
32)	1,2,4-Trichl	0.355	0.339	0.327	0.336	0.339	0.325	0.325	0.327	0.334	3.15
33)	Naphthalene	1.120	1.066	1.023	1.044	0.983	1.037	1.028	1.046	1.044	3.76
34)	2,6-Dichloro	0.315	0.310	0.295	0.303	0.274		0.282	0.303	0.297	4.95
35)	4-Chloroanil	0.466	0.445	0.435	0.439	0.402		0.410	0.437	0.433	4.97
36)	Hexachlorobu	0.217	0.215	0.207	0.223	0.191	0.186	0.218	0.210	0.208	6.34
37)	4-Chloro-3-m	0.314	0.305	0.296	0.286	0.264		0.268	0.296	0.290	6.37
38)	2-Methylnaph	0.779	0.751	0.732	0.733	0.695	0.721	0.699	0.746	0.732	3.79
39)	1-Methylnaph	0.740	0.719	0.707	0.701	0.704	0.719	0.692	0.708	0.711	2.04
40)	1,2,4,5-Tetr	0.395	0.386	0.375	0.377	0.393	0.408	0.382	0.381	0.387	2.79

Initial Calibration Summary

Job Number: MC24849 **Sample:** MSR1159-ICC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31830.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

41) I	Naphthalene-d8a				ISTD					
42) Caprolactam	0.164	0.161	0.156	0.148	0.106	0.132	0.159	0.146	14.30	
	---- Linear regression ---- Coefficient = 0.9997									
	Response Ratio = -0.00729 + 0.16297 *A									
43) I	Acenaphthene-d10				ISTD					
44) Pentachloron	0.182	0.177	0.176	0.157		0.151	0.176	0.170	7.38	
45) Hexachlorocy	0.428	0.417	0.402	0.390	0.358	0.342	0.404	0.392	7.95	
46) 2,4,6-Trichl	0.395	0.391	0.389	0.364	0.333	0.346	0.382	0.371	6.54	
47) 2,4,5-Trichl	0.412	0.405	0.403	0.406	0.359	0.350	0.403	0.391	6.52	
48) 2-Fluorobiph	1.363	1.361	1.330	1.350	1.303	1.299	1.312	1.325	1.331	1.90
49) 2-Chloronaph	1.098	1.089	1.064	1.101	1.008	1.099	1.030	1.053	1.068	3.31
50) Acenaphthyle	1.833	1.804	1.776	1.777	1.637	1.661	1.661	1.751	1.737	4.27
51) Dimethylphth	1.281	1.260	1.248	1.258	1.173	1.138	1.177	1.228	1.221	4.21
52) 2,4-Dinitrot	0.401	0.391	0.380	0.373	0.323		0.331	0.373	0.368	8.02
53) Acenaphthene	1.181	1.152	1.146	1.152	1.131	1.049	1.053	1.128	1.124	4.28
54) 2,4-Dinitrop	0.214	0.211	0.197	0.158				0.175	0.191	12.56
55) Dibenzofuran	1.662	1.643	1.616	1.620	1.489	1.590	1.525	1.587	1.592	3.67
56) 2,6-Dinitrot	0.304	0.303	0.298	0.281	0.227		0.252	0.285	0.278	10.41
57) 4-Nitropheno	0.260	0.253	0.250	0.235			0.208	0.250	0.243	7.75
58) 2,3,4,6-Tetr	0.367	0.355	0.359	0.321	0.301		0.291	0.346	0.334	8.97
59) Fluorene	1.355	1.321	1.308	1.295	1.238	1.214	1.223	1.286	1.280	3.93
60) 4-Chlorophen	0.644	0.637	0.638	0.645	0.595	0.629	0.592	0.620	0.625	3.37
61) Diethylphtha	1.289	1.262	1.250	1.236	1.126	1.167	1.172	1.225	1.216	4.56
62) 2-nitroanili	0.375	0.364	0.360	0.343	0.284		0.303	0.350	0.340	9.94
63) 3-nitroanili	0.321	0.315	0.314	0.298			0.270	0.299	0.303	6.18
64) 4-nitroanili	0.321	0.316	0.303	0.297			0.264	0.297	0.300	6.80
65)	Acenaphthene-d10a				ISTD					
66) 1,1'-Bipheny	1.502	1.506	1.463	1.391	1.447		1.429	1.491	1.461	2.90
67) I	Phenanthrene-d10				ISTD					
68) 4,6-Dinitro-	0.162	0.153	0.152	0.135			0.101	0.147	0.142	15.35
	---- Linear regression ---- Coefficient = 0.9994									
	Response Ratio = -0.01474 + 0.16125 *A									
69) n-Nitrosodip	0.556	0.543	0.538	0.532	0.490	0.491	0.493	0.529	0.522	5.03
70) 1,2-Diphenyl	0.712	0.689	0.686	0.672	0.633	0.677	0.674	0.683	0.678	3.27
71) 2,4,6-Tribro	0.133	0.131	0.129	0.119	0.097		0.107	0.123	0.120	11.27
72) 4-Bromopheny	0.228	0.224	0.219	0.214	0.205	0.200	0.216	0.222	0.216	4.42
73) Hexachlorobe	0.253	0.247	0.245	0.259	0.243	0.235	0.226	0.247	0.244	4.17
74) Pentachlorop	0.178	0.176	0.169	0.146			0.123	0.159	0.158	13.38
75) Phenanthrene	1.148	1.090	1.092	1.069	1.038	1.054	1.062	1.092	1.081	3.10
76) Anthracene	1.184	1.153	1.150	1.122	1.075	1.000	1.055	1.131	1.109	5.47
77) Carbazole	1.085	1.065	1.034	0.992	0.937	0.815	0.944	1.033	0.988	8.88
78) Di-n-butylph	1.322	1.278	1.267	1.179	1.011		1.084	1.230	1.196	9.40
79) Fluoranthene	1.244	1.199	1.191	1.150	1.057	1.010	1.097	1.173	1.140	6.95
80) I	Phenanthrene-d10a				ISTD					
81) Atrazine		0.212	0.212	0.199	0.159		0.177	0.215	0.196	11.74
82) I	Chrysene-d12				ISTD					
83) Benzidine	0.412	0.391	0.382	0.347			0.280	0.386	0.366	12.86
84) Pyrene	1.236	1.203	1.155	1.160	1.079	1.043	1.106	1.164	1.143	5.59
85) Terphenyl-d1	0.900	0.894	0.863	0.878	0.834	0.820	0.804	0.856	0.856	4.06
86) 3,3-Dimethyl	0.518	0.507	0.497	0.434			0.382	0.486	0.471	11.16
87) Butylbenzylp	0.524	0.511	0.483	0.481	0.382		0.430	0.499	0.473	10.55
88) 3,3'-Dichlor	0.459	0.448	0.429	0.372	0.277		0.329	0.411	0.389	17.23
	---- Linear regression ---- Coefficient = 0.9972									

Initial Calibration Summary

Job Number: MC24849 **Sample:** MSR1159-ICC1159
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```
               Response Ratio = -0.02247 + 0.44011 *A

 89) Benzo[a]anth 1.123 1.106 1.067 1.054 0.946 0.918 0.998 1.060 1.034   7.09
 90) Chrysene     1.092 1.079 1.035 1.036 0.993 0.973 0.993 1.025 1.028   4.06
 91) bis(2-Ethylh 0.762 0.739 0.704 0.658 0.485       0.558 0.696 0.657  15.33
             ---- Linear regression ----  Coefficient =  0.9981
               Response Ratio = -0.03404 + 0.73447 *A


 92) I   Perylene-d12          ----------------ISTD---------------------
 93) Di-n-octylph 1.301 1.253 1.170 1.032 0.673       0.798 1.128 1.051  22.33#
             ---- Linear regression ----  Coefficient =  0.9982
               Response Ratio = -0.16023 + 1.31545 *A

 94) Benzo[b]fluo 1.283 1.289 1.153 1.147 0.978 1.027 1.095 1.199 1.146   9.74
 95) Benzo[k]fluo 1.221 1.157 1.185 1.183 1.018 0.943 1.110 1.121 1.117   8.39
 96) Benzo[a]pyre 1.142 1.115 1.088 1.071 0.857 0.803 0.950 1.056 1.010  12.45
 97) Indeno[1,2,3 1.420 1.410 1.340 1.298 1.102 1.019 1.189 1.310 1.261  11.48
 98) Dibenz[a,h]a 1.152 1.133 1.066 1.053 0.918 0.844 0.921 1.058 1.018  10.88
 99) Benzo[g,h,i] 1.145 1.146 1.100 1.085 0.921 0.885 1.006 1.090 1.047   9.49

100)     Naphthalene-d8b       ----------------ISTD---------------------
101) o-Toluic Aci 0.220 0.207 0.203 0.156 0.099       0.125 0.193 0.172  26.87
             ---- Quadratic regression ----  Coefficient =  0.9997
               Response Ratio = -0.01503 + 0.19200 *A + 0.00772 *A^2

102) m-Toluic Aci 0.279 0.270 0.236 0.178 0.119       0.154 0.229 0.209  28.96
             ---- Quadratic regression ----  Coefficient =  0.9992
               Response Ratio = -0.01899 + 0.22129 *A + 0.01614 *A^2

103) p-Toluic Aci 0.319 0.319 0.316 0.310 0.234       0.298 0.336 0.304  10.83
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          R130628_8270+.m        Tue Jul 09 10:08:52 2013
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8.7.1

8

Initial Calibration Verification

Job Number: MC24849 **Sample:** MSR1160-ICV1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R31849.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\R130701\R31849.D Vial: 100
Acq On : 1 Jul 2013 8:41 am Operator: kristinr
Sample : ICV1159-50 Inst : MSR
Misc : op33699,msr1160,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : W:\1\methods\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Mon Jul 08 17:06:27 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	172	0.00	4.42
2		N-nitrosodimethylamine	0.786	0.773	1.7	168	0.00	2.55
3	T	Pyridine	1.430	1.271	11.1	151	0.00	2.57
4	T	Aniline	1.822	1.646	9.7	152	0.00	4.19
5	S	2-Fluorophenol	1.213	1.268	-4.5	177	0.00	3.47
6	T	bis(2-Chloroethyl)ether	0.865	0.877	-1.4	172	0.00	4.22
7	S	Phenol-d5	1.535	1.569	-2.2	178	0.00	4.14
8	C	Phenol	1.528	1.595	-4.4	178	0.00	4.15
9	M	2-Chlorophenol	1.287	1.371	-6.5	179	0.00	4.28
10	T	1,3-Dichlorobenzene	1.456	1.420	2.5	168	0.00	4.40
11	C	1,4-Dichlorobenzene	1.515	1.478	2.4	165	0.00	4.44
12	T	1,2-Dichlorobenzene	1.357	1.406	-3.6	172	0.00	4.59
13	T	Benzyl alcohol	0.828	0.829	-0.1	165	0.00	4.54
14	T	bis(2-chloroisopropyl)eth	1.477	1.819	-23.2#	207#	0.00	4.66
15	T	o-cresol	1.107	1.157	-4.5	170	0.00	4.63
16	T	Acetophenone	1.828	1.818	0.5	166	0.00	4.76
17	T	Hexachloroethane	0.565	0.565	0.0	169	0.00	4.84
18	P	N-Nitroso-di-n-propylamin	0.859	0.919	-7.0	184	0.00	4.78
19	T	m+p-cresols	1.213	1.283	-5.8	175	0.00	4.75
20		4-methylphenol	1.213	1.283	-5.8	175	0.00	4.75
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	103	0.00	4.42
22		Benzaldehyde	1.023	0.918	10.3	92	0.00	4.09
23	I	Naphthalene-d8	1.000	1.000	0.0	179	0.00	5.48
24	S	Nitrobenzene-d5	0.382	0.367	3.9	173	0.00	4.89
25	T	Nitrobenzene	0.386	0.355	8.0	167	0.00	4.91
26	T	Isophorone	0.643	0.609	5.3	168	0.00	5.10
27	C	2-Nitrophenol	0.184	0.181	1.6	171	0.00	5.17
28	T	2,4-Dimethylphenol	0.341	0.340	0.3	174	0.00	5.19
29	T	bis(2-Chloroethoxy)methan	0.388	0.388	0.0	185	0.00	5.27
		----------	Amount	Calc.	%Drift	----------		
30	T	Benzoic acid	50.000	53.410	-6.8	204	0.01	5.27
		----------	AvgRF	CCRF	%Dev	----------		
31	C	2,4-Dichlorophenol	0.300	0.304	-1.3	174	0.00	5.37
32	M	1,2,4-Trichlorobenzene	0.334	0.336	-0.6	184	0.00	5.44
33	T	Naphthalene	1.044	1.032	1.1	176	0.00	5.50
34	T	2,6-Dichlorophenol	0.297	0.294	1.0	174	0.00	5.57
35	T	4-Chloroaniline	0.433	0.339	21.7#	139	0.00	5.55
36	C	Hexachlorobutadiene	0.208	0.200	3.8	170	0.00	5.65

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37	C	4-Chloro-3-methylphenol	0.290	0.291	-0.3	176	0.00	5.96
38	T	2-Methylnaphthalene	0.732	0.693	5.3	166	0.00	6.09
39	T	1-Methylnaphthalene	0.711	0.685	3.7	173	0.00	6.18
40	T	1,2,4,5-Tetrachlorobenzen	0.387	0.362	6.5	170	0.00	6.27
41	I	Naphthalene-d8a	1.000	1.000	0.0	110	0.00	5.48
		----------	Amount	Calc.	%Drift	----------		
42		Caprolactam	50.000	47.864	4.3	104	-0.02	5.83
		----------	AvgRF	CCRF	%Dev	----------		
43	I	Acenaphthene-d10	1.000	1.000	0.0	187	0.00	7.02
44	T	Pentachloronitrobenzene	0.170	0.160	5.9	170	0.00	8.41
45	P	Hexachlorocyclopentadiene	0.392	0.189	51.8#	87	0.00	6.29
46	C	2,4,6-Trichlorophenol	0.371	0.368	0.8	180	0.00	6.35
47	T	2,4,5-Trichlorophenol	0.391	0.403	-3.1	186	0.00	6.39
48	S	2-Fluorobiphenyl	1.331	1.314	1.3	185	0.00	6.42
49	T	2-Chloronaphthalene	1.068	1.066	0.2	189	0.00	6.51
50	M	Acenaphthylene	1.737	1.712	1.4	182	0.00	6.89
51	T	Dimethylphthalate	1.221	1.175	3.8	178	0.00	6.81
52	T	2,4-Dinitrotoluene	0.368	0.387	-5.2	193	0.00	7.22
53	C	Acenaphthene	1.124	1.102	2.0	182	0.00	7.05
54	P	2,4-Dinitrophenol	0.191	0.191	0.0	204#	0.00	7.08
55	T	Dibenzofuran	1.592	1.492	6.3	175	0.00	7.20
56	M	2,6-Dinitrotoluene	0.278	0.275	1.1	180	0.00	6.87
57	P	4-Nitrophenol	0.243	0.230	5.3	172	0.00	7.13
58	T	2,3,4,6-Tetrachlorophenol	0.334	0.337	-0.9	182	0.00	7.35
59	T	Fluorene	1.280	1.293	-1.0	187	0.00	7.52
60	T	4-Chlorophenyl-phenylethe	0.625	0.623	0.3	187	0.00	7.51
61	T	Diethylphthalate	1.216	1.249	-2.7	190	0.00	7.45
62	T	2-nitroaniline	0.340	0.342	-0.6	183	0.00	6.62
63	T	3-nitroaniline	0.303	0.228	24.8#	142	0.00	7.00
64	T	4-nitroaniline	0.300	0.288	4.0	181	0.00	7.57
65		Acenaphthene-d10a	1.000	1.000	0.0	118	0.00	7.02
66		1,1'-Biphenyl	1.461	1.348	7.7	107	0.00	6.50
67	I	Phenanthrene-d10	1.000	1.000	0.0	192	0.00	8.46
		----------	Amount	Calc.	%Drift	----------		
68	T	4,6-Dinitro-2-methylpheno	50.000	52.042	-4.1	203	0.00	7.61
		----------	AvgRF	CCRF	%Dev	----------		
69	C	n-Nitrosodiphenylamine	0.522	0.502	3.8	182	0.00	7.63
70	T	1,2-Diphenylhydrazine	0.678	0.650	4.1	183	0.00	7.67
71	S	2,4,6-Tribromophenol	0.120	0.122	-1.7	190	0.00	7.78
72	T	4-Bromophenyl-phenylether	0.216	0.204	5.6	177	0.00	7.99
73	T	Hexachlorobenzene	0.244	0.247	-1.2	192	0.00	8.15
74	C	Pentachlorophenol	0.158	0.161	-1.9	194	0.00	8.32
75	T	Phenanthrene	1.081	1.072	0.8	188	0.00	8.48
76	T	Anthracene	1.109	1.070	3.5	182	0.00	8.53
77	T	Carbazole	0.988	1.009	-2.1	187	0.00	8.70
78	T	Di-n-butylphthalate	1.196	1.193	0.3	186	0.00	9.12
79	C	Fluoranthene	1.140	1.222	-7.2	200	0.00	9.78
80	I	Phenanthrene-d10a	1.000	1.000	0.0	116	0.00	8.46
81		Atrazine	0.196	0.209	-6.6	113	0.00	8.18
82	I	Chrysene-d12	1.000	1.000	0.0	195	0.00	11.45

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Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

83	T	Benzidine	0.366	0.442	-20.8#	223#	0.00	9.92
84	M	Pyrene	1.143	1.117	2.3	187	0.00	10.04
85	S	Terphenyl-d14	0.856	0.854	0.2	195	0.00	10.22
86		3,3-Dimethylbenzidine		----------NA----------				
87	T	Butylbenzylphthalate	0.473	0.471	0.4	184	0.00	10.83
		----------	Amount	Calc.	%Drift	----------		
88	T	3,3'-Dichlorobenzidine	50.000	35.699	28.6#	141	0.00	11.42
		----------	AvgRF	CCRF	%Dev	----------		
89	T	Benzo[a]anthracene	1.034	1.100	-6.4	202#	0.00	11.44
90	T	Chrysene	1.028	1.016	1.2	193	0.00	11.48
		----------	Amount	Calc.	%Drift	----------		
91	T	bis(2-Ethylhexyl)phthalat	50.000	49.309	1.4	196	0.00	11.54
		----------	AvgRF	CCRF	%Dev	----------		
92	I	Perylene-d12	1.000	1.000	0.0	192	0.00	13.06
		----------	Amount	Calc.	%Drift	----------		
93	C	Di-n-octylphthalate	50.000	52.011	-4.0	211	0.00	12.23
		----------	AvgRF	CCRF	%Dev	----------		
94	T	Benzo[b]fluoranthene	1.146	1.167	-1.8	187	0.00	12.65
95	T	Benzo[k]fluoranthene	1.117	1.167	-4.5	200	0.00	12.68
96	C	Benzo[a]pyrene	1.010	0.965	4.5	176	0.00	12.99
97	T	Indeno[1,2,3-cd]pyrene	1.261	1.273	-1.0	186	0.00	14.33
98	T	Dibenz[a,h]anthracene	1.018	1.028	-1.0	186	0.00	14.34
99	T	Benzo[g,h,i]perylene	1.047	1.057	-1.0	186	0.00	14.68
100		Naphthalene-d8b	1.000	1.000	0.0	110	0.00	5.48
		----------	Amount	Calc.	%Drift	----------		
101		o-Toluic Acid		----------NA----------				
102		m-Toluic Acid		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
103		p-Toluic Acid		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
R31842.D R130628_8270+.m Mon Jul 08 17:16:37 2013

8.7.2

8

Continuing Calibration Summary

Job Number: MC24849 **Sample:** MSR1238-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R34041.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\R131007\R34041.D Vial: 100
Acq On : 7 Oct 2013 2:19 pm Operator: kristinr
Sample : cc1159-80 Inst : MSR
Misc : OP35080,MSR1238,560,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\met...\R130628_8270+.m (RTE Integrator)
Title : SW-864 Method 8270
Last Update : Fri Jul 12 11:59:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	159	-0.02	3.79
2		N-nitrosodimethylamine		----------NA----------				
3	T	Pyridine		----------NA----------				
4	T	Aniline		----------NA----------				
5	S	2-Fluorophenol		----------NA----------				
6	T	bis(2-Chloroethyl)ether		----------NA----------				
7	S	Phenol-d5		----------NA----------				
8	C	Phenol		----------NA----------				
9	M	2-Chlorophenol		----------NA----------				
10	T	1,3-Dichlorobenzene		----------NA----------				
11	C	1,4-Dichlorobenzene		----------NA----------				
12	T	1,2-Dichlorobenzene		----------NA----------				
13	T	Benzyl alcohol		----------NA----------				
14	T	bis(2-chloroisopropyl)eth		----------NA----------				
15	T	o-cresol		----------NA----------				
16	T	Acetophenone		----------NA----------				
17	T	Hexachloroethane		----------NA----------				
18	P	N-Nitroso-di-n-propylamin		----------NA----------				
19	T	m+p-cresols		----------NA----------				
20		4-methylphenol		----------NA----------				
21	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	118	-0.02	3.79
22		Benzaldehyde	0.987	0.669	32.2#	76	-0.06	3.46
23	I	Naphthalene-d8	1.000	1.000	0.0	160	-0.02	4.83
24	S	Nitrobenzene-d5		----------NA----------				
25	T	Nitrobenzene		----------NA----------				
26	T	Isophorone		----------NA----------				
27	C	2-Nitrophenol		----------NA----------				
28	T	2,4-Dimethylphenol		----------NA----------				
29	T	bis(2-Chloroethoxy)methan		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
30	T	Benzoic acid		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
31	C	2,4-Dichlorophenol		----------NA----------				
32	M	1,2,4-Trichlorobenzene		----------NA----------				
33	T	Naphthalene		----------NA----------				
34	T	2,6-Dichlorophenol		----------NA----------				
35	T	4-Chloroaniline		----------NA----------				
36	C	Hexachlorobutadiene		----------NA----------				

Continuing Calibration Summary

Job Number: MC24849 **Sample:** MSR1238-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R34041.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

37	C	4-Chloro-3-methylphenol		----------NA----------				
38	T	2-Methylnaphthalene		----------NA----------				
39	T	1-Methylnaphthalene		----------NA----------				
40	T	1,2,4,5-Tetrachlorobenzen		----------NA----------				
41	I	Naphthalene-d8a	1.000	1.000	0.0	116	-0.02	4.83
		----------	Amount	Calc.	%Drift		----------	
42		Caprolactam	80.000	83.475	-4.3	125	0.11	5.29
		----------	AvgRF	CCRF	%Dev		----------	
43	I	Acenaphthene-d10	1.000	1.000	0.0	163	-0.02	6.35
44	T	Pentachloronitrobenzene		----------NA----------				
45	P	Hexachlorocyclopentadiene		----------NA----------				
46	C	2,4,6-Trichlorophenol		----------NA----------				
47	T	2,4,5-Trichlorophenol		----------NA----------				
48	S	2-Fluorobiphenyl		----------NA----------				
49	T	2-Chloronaphthalene		----------NA----------				
50	M	Acenaphthylene		----------NA----------				
51	T	Dimethylphthalate		----------NA----------				
52	T	2,4-Dinitrotoluene		----------NA----------				
53	C	Acenaphthene		----------NA----------				
54	P	2,4-Dinitrophenol		----------NA----------				
55	T	Dibenzofuran		----------NA----------				
56	M	2,6-Dinitrotoluene		----------NA----------				
57	P	4-Nitrophenol		----------NA----------				
58	T	2,3,4,6-Tetrachlorophenol		----------NA----------				
59	T	Fluorene		----------NA----------				
60	T	4-Chlorophenyl-phenylethe		----------NA----------				
61	T	Diethylphthalate		----------NA----------				
62	T	2-nitroaniline		----------NA----------				
63	T	3-nitroaniline		----------NA----------				
64	T	4-nitroaniline		----------NA----------				
65		Acenaphthene-d10a	1.000	1.000	0.0	116	-0.02	6.35
66		1,1'-Biphenyl	1.461	1.318	9.8	104	-0.05	5.85
67	I	Phenanthrene-d10	1.000	1.000	0.0	159	-0.02	7.70
		----------	Amount	Calc.	%Drift		----------	
68	T	4,6-Dinitro-2-methylpheno		----------NA----------				
		----------	AvgRF	CCRF	%Dev		----------	
69	C	n-Nitrosodiphenylamine		----------NA----------				
70	T	1,2-Diphenylhydrazine		----------NA----------				
71	S	2,4,6-Tribromophenol		----------NA----------				
72	T	4-Bromophenyl-phenylether		----------NA----------				
73	T	Hexachlorobenzene		----------NA----------				
74	C	Pentachlorophenol		----------NA----------				
75	T	Phenanthrene		----------NA----------				
76	T	Anthracene		----------NA----------				
77	T	Carbazole		----------NA----------				
78	T	Di-n-butylphthalate		----------NA----------				
79	C	Fluoranthene		----------NA----------				
80	I	Phenanthrene-d10a	1.000	1.000	0.0	111	-0.02	7.70
81		Atrazine	0.196	0.194	1.0	102	0.02	7.49
82	I	Chrysene-d12	1.000	1.000	0.0	156	-0.04	10.60

Continuing Calibration Summary

Job Number: MC24849 **Sample:** MSR1238-CC1159
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** R34041.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

83	T	Benzidine			NA			
84	M	Pyrene			NA			
85	S	Terphenyl-d14			NA			
86		3,3-Dimethylbenzidine			NA			
87	T	Butylbenzylphthalate			NA			
			Amount	Calc.	%Drift			
88	T	3,3'-Dichlorobenzidine			NA			
			AvgRF	CCRF	%Dev			
89	T	Benzo[a]anthracene			NA			
90	T	Chrysene			NA			
			Amount	Calc.	%Drift			
91	T	bis(2-Ethylhexyl)phthalat			NA			
			AvgRF	CCRF	%Dev			
92	I	Perylene-d12	1.000	1.000	0.0	158	-0.05	12.17
			Amount	Calc.	%Drift			
93	C	Di-n-octylphthalate			NA			
			AvgRF	CCRF	%Dev			
94	T	Benzo[b]fluoranthene			NA			
95	T	Benzo[k]fluoranthene			NA			
96	C	Benzo[a]pyrene			NA			
97	T	Indeno[1,2,3-cd]pyrene			NA			
98	T	Dibenz[a,h]anthracene			NA			
99	T	Benzo[g,h,i]perylene			NA			
100		Naphthalene-d8b	1.000	1.000	0.0	116	-0.02	4.83
			Amount	Calc.	%Drift			
101		o-Toluic Acid			NA			
102		m-Toluic Acid			NA			
			AvgRF	CCRF	%Dev			
103		p-Toluic Acid			NA			

(#) = Out of Range SPCC's out = 4 CCC's out = 13
R31843.D R130628_8270+.m Mon Oct 07 14:54:43 2013

8.7.3

8

New England ACCUTEST LABORATORIES

GC/MS Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 10/09/13 11:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R131007\
Data File : R34049.D
Acq On : 7 Oct 2013 5:21 pm
Operator : kristinr
Sample : mc24849-6
Misc : OP35125,MSR1238,20.93,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 09 10:39:17 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

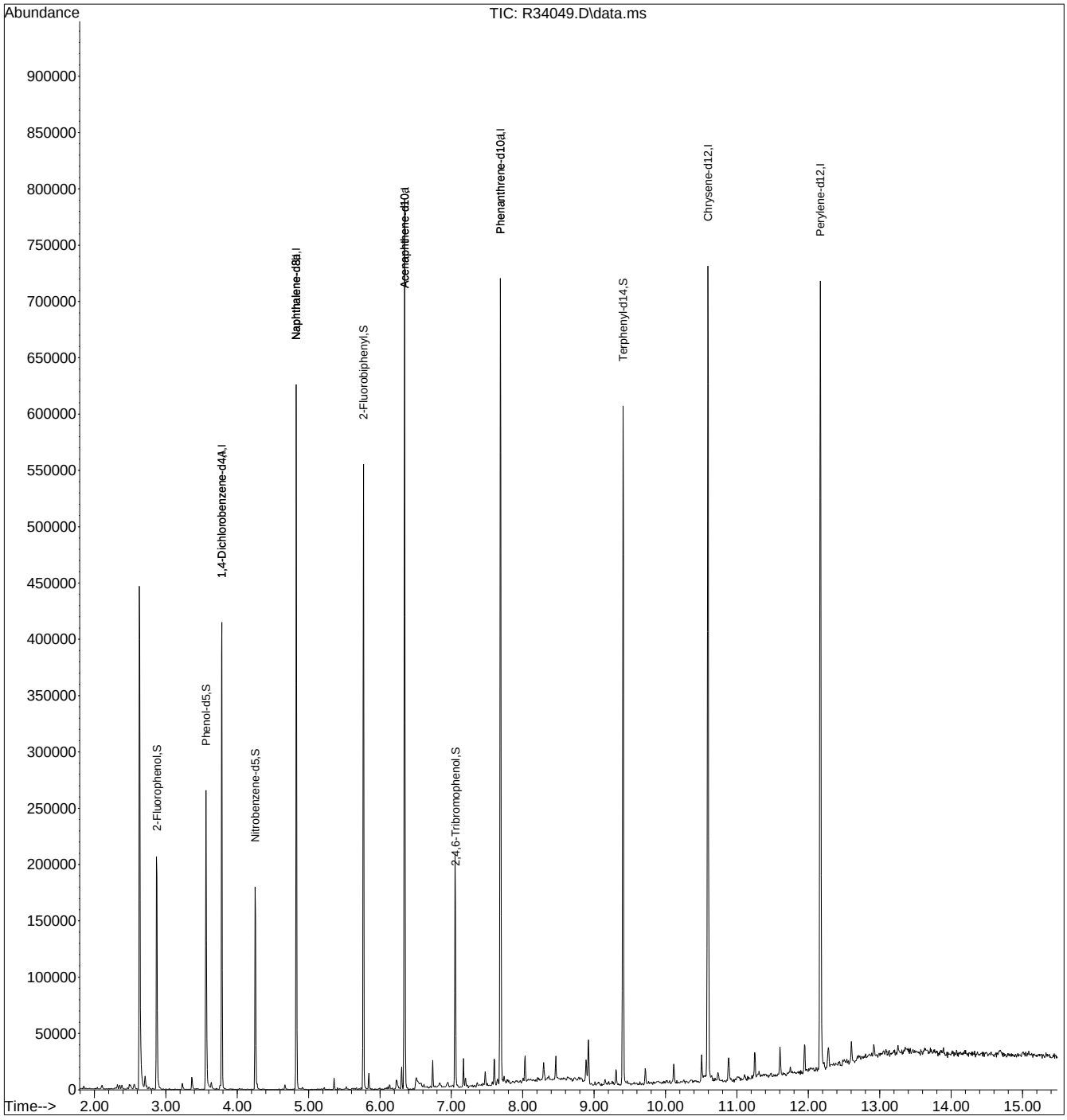
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.787	152	60574	40.00	ppm	-0.02
21) 1,4-Dichlorobenzene-d4A	3.787	152	60574	40.00	PPM	-0.02
23) Naphthalene-d8	4.828	136	220937	40.00	ppm	-0.03
41) Naphthalene-d8a	4.828	136	220937	40.00	ppm	-0.03
43) Acenaphthene-d10	6.345	164	143729	40.00	ppm	-0.03
65) Acenaphthene-d10a	6.345	164	143729	40.00	ppm	-0.03
67) Phenanthrene-d10	7.686	188	253027m	40.00	ppm	-0.04
80) Phenanthrene-d10a	7.686	188	253011m	40.00	ppm	-0.04
82) Chrysene-d12	10.592	240	279236	40.00	ppm	-0.05
92) Perylene-d12	12.169	264	276202	40.00	ppm	-0.05
100) Naphthalene-d8b	4.828	136	220937	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.875	112	55987	30.49	ppm	-0.11
Spiked Amount 100.000	Range 30 - 130		Recovery = 30.49%			
7) Phenol-d5	3.563	99	73117	31.45	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 31.45%			
24) Nitrobenzene-d5	4.251	82	48888	23.16	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 46.32%			
48) 2-Fluorobiphenyl	5.769	172	147859m	30.92	ppm	-0.05
Spiked Amount 50.000	Range 30 - 130		Recovery = 61.84%			
71) 2,4,6-Tribromophenol	7.057	330	24157	31.86	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 31.86%			
85) Terphenyl-d14	9.404	244	211068	35.31	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 70.62%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R131007\
Data File : R34049.D
Acq On : 7 Oct 2013 5:21 pm
Operator : kristinr
Sample : mc24849-6
Misc : OP35125,MSR1238,20.93,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 09 10:39:17 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



R130628_8270+.m Wed Oct 09 10:39:24 2013 Page: 2

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R131007\
Data File : R34049.D
Acq On : 7 Oct 2013 5:21 pm
Operator : kristinr
Sample : mc24849-6
Misc : OP35125,MSR1238,20.93,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

Signal : TIC: R34049.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.110	50	55	59	rVB2	3489	4430	0.56%	0.066%
2	2.487	117	119	127	rVV3	4332	7837	1.00%	0.118%
3	2.557	127	131	141	rVV2	4643	6694	0.85%	0.100%
4	2.628	141	143	154	rVV	446716	437990	55.79%	6.571%
5	2.710	154	157	163	rVV	11720	14761	1.88%	0.221%
6	2.869	181	184	197	rVB	206696	190796	24.30%	2.862%
7	3.234	242	246	254	rVB	5431	6307	0.80%	0.095%
8	3.363	265	268	276	rBV	10801	10813	1.38%	0.162%
9	3.563	298	302	312	rBV	265576	221803	28.25%	3.328%
10	3.640	312	315	322	rVB	6086	7017	0.89%	0.105%
11	3.787	337	340	343	rVB	413012	344114	43.83%	5.163%
12	4.251	416	419	423	rBV	179622	147805	18.83%	2.217%
13	4.828	514	517	521	rBV	625738	457431	58.27%	6.863%
14	5.357	603	607	612	rBB	10472	7494	0.95%	0.112%
15	5.769	673	677	681	rVV	555017	404367	51.51%	6.067%
16	5.845	687	690	692	rBV	14154	10199	1.30%	0.153%
17	6.228	752	755	761	rBV3	7975	12963	1.65%	0.194%
18	6.304	765	768	771	rBV	19390	14584	1.86%	0.219%
19	6.345	771	775	779	rBV	789739	579016	73.75%	8.687%
20	6.510	798	803	810	rBV2	10584	27553	3.51%	0.413%
21	6.575	810	814	818	rVV4	4635	9359	1.19%	0.140%
22	6.740	839	842	845	rVV	24675	17776	2.26%	0.267%
23	6.840	851	859	864	rVB5	4110	7552	0.96%	0.113%
24	6.951	872	878	881	rBV3	4273	6021	0.77%	0.090%
25	7.051	892	895	899	rBV	207574	181221	23.08%	2.719%
26	7.169	911	915	918	rVV	25712	21542	2.74%	0.323%
27	7.198	918	920	922	rVV	8124	6804	0.87%	0.102%
28	7.263	927	931	935	rBV4	2212	5073	0.65%	0.076%
29	7.363	945	948	951	rBV3	4291	5470	0.70%	0.082%
30	7.475	964	967	971	rVV3	12639	11924	1.52%	0.179%
31	7.598	986	988	992	rVV	23498	21521	2.74%	0.323%
32	7.645	992	996	999	rVV3	4952	4993	0.64%	0.075%
33	7.687	999	1003	1007	rVV	715540	633240	80.66%	9.500%
34	7.739	1007	1012	1016	rVB4	6337	9160	1.17%	0.137%
35	7.781	1016	1019	1022	rBV4	3527	4204	0.54%	0.063%
36	7.904	1037	1040	1047	rBV6	2205	4726	0.60%	0.071%
37	8.004	1053	1057	1059	rBV3	4608	5497	0.70%	0.082%
38	8.034	1059	1062	1065	rVV	23171	20766	2.65%	0.312%
39	8.210	1090	1092	1098	rBV4	3705	6621	0.84%	0.099%
40	8.292	1102	1106	1110	rVB2	16067	17304	2.20%	0.260%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R131007\
Data File : R34049.D
Acq On : 7 Oct 2013 5:21 pm
Operator : kristinr
Sample : mc24849-6
Misc : OP35125,MSR1238,20.93,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

41	8.363	1111	1118	1121	rVV7	3310	4941	0.63%	0.074%
42	8.463	1132	1135	1138	rBV	20819	18251	2.32%	0.274%
43	8.628	1160	1163	1170	rVV6	3725	8527	1.09%	0.128%
44	8.728	1176	1180	1185	rBV6	2904	5622	0.72%	0.084%
45	8.786	1185	1190	1192	rVV6	3661	4534	0.58%	0.068%
46	8.816	1192	1195	1201	rVB6	3239	5433	0.69%	0.082%
47	8.886	1203	1207	1210	rVV2	20723	24582	3.13%	0.369%
48	8.922	1210	1213	1217	rVB	39605	41609	5.30%	0.624%
49	9.057	1231	1236	1241	rBV5	2988	5850	0.75%	0.088%
50	9.151	1249	1252	1256	rBV4	4675	5698	0.73%	0.085%
51	9.251	1267	1269	1274	rVB4	3590	4272	0.54%	0.064%
52	9.304	1274	1278	1283	rBV	13746	14997	1.91%	0.225%
53	9.404	1291	1295	1299	rBV	601760	573741	73.08%	8.608%
54	9.716	1344	1348	1352	rBV	14633	16721	2.13%	0.251%
55	9.892	1372	1378	1386	rVB7	2057	6344	0.81%	0.095%
56	10.116	1409	1416	1420	rBV4	17489	22140	2.82%	0.332%
57	10.257	1435	1440	1443	rVB6	3402	5564	0.71%	0.083%
58	10.292	1443	1446	1451	rBV5	2472	4357	0.55%	0.065%
59	10.357	1451	1457	1461	rBV8	3105	7493	0.95%	0.112%
60	10.504	1478	1482	1486	rBV2	24212	27608	3.52%	0.414%
61	10.592	1493	1497	1502	rBV	719524	745170	94.92%	11.180%
62	10.733	1517	1521	1530	rVB3	7455	9892	1.26%	0.148%
63	10.886	1543	1547	1551	rBV	20293	24885	3.17%	0.373%
64	11.027	1564	1571	1574	rVB8	3601	8919	1.14%	0.134%
65	11.104	1580	1584	1590	rVB8	5593	9577	1.22%	0.144%
66	11.245	1604	1608	1612	rBV2	23187	27549	3.51%	0.413%
67	11.310	1617	1619	1623	rVB4	5061	4473	0.57%	0.067%
68	11.480	1642	1648	1650	rBV7	3608	5300	0.68%	0.080%
69	11.604	1665	1669	1674	rVB	25503	28334	3.61%	0.425%
70	11.704	1683	1686	1689	rBV5	2952	4128	0.53%	0.062%
71	11.745	1691	1693	1696	rVB4	5571	4698	0.60%	0.070%
72	11.945	1723	1727	1732	rBV3	26155	34854	4.44%	0.523%
73	12.027	1736	1741	1742	rBV4	3585	5056	0.64%	0.076%
74	12.169	1760	1765	1770	rBV	700597	785082	100.00%	11.778%
75	12.280	1780	1784	1788	rBV2	18127	24011	3.06%	0.360%
76	12.433	1807	1810	1816	rVB6	4122	5725	0.73%	0.086%
77	12.480	1816	1818	1820	rBV3	5334	5002	0.64%	0.075%
78	12.604	1834	1839	1847	rBV4	19146	24538	3.13%	0.368%
79	12.857	1875	1882	1885	rVV8	2991	5816	0.74%	0.087%
80	12.916	1889	1892	1897	rBV5	10722	11974	1.53%	0.180%
81	12.992	1902	1905	1907	rBV4	3981	5459	0.70%	0.082%
82	13.086	1918	1921	1926	rVB6	5276	6167	0.79%	0.093%
83	13.257	1947	1950	1957	rBV5	8023	11743	1.50%	0.176%
84	13.357	1962	1967	1972	rBV9	5826	12856	1.64%	0.193%
85	13.574	2003	2004	2009	rBV5	5188	5958	0.76%	0.089%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R131007\
Data File : R34049.D
Acq On : 7 Oct 2013 5:21 pm
Operator : kristinr
Sample : mc24849-6
Misc : OP35125,MSR1238,20.93,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

86	13.627	2009	2013	2018	rBV7	5718	12289	1.57%	0.184%
87	13.710	2025	2027	2032	rVB5	5161	4962	0.63%	0.074%
88	13.857	2049	2052	2056	rBV6	4474	8613	1.10%	0.129%
89	13.892	2056	2058	2064	rVV7	8057	9679	1.23%	0.145%
90	14.074	2088	2089	2093	rVB4	5945	4972	0.63%	0.075%
91	14.251	2118	2119	2122	rBV3	3842	4377	0.56%	0.066%
92	14.492	2156	2160	2164	rVV7	4187	8888	1.13%	0.133%
93	14.563	2169	2172	2179	rVV9	4694	8798	1.12%	0.132%
94	14.627	2179	2183	2184	rVB3	4082	4490	0.57%	0.067%
95	14.686	2188	2193	2200	rVB3	6335	17528	2.23%	0.263%
96	14.792	2208	2211	2219	rBV9	3688	7702	0.98%	0.116%
97	15.010	2243	2248	2252	rBV7	4469	8775	1.12%	0.132%
98	15.086	2257	2261	2266	rBV5	4781	7940	1.01%	0.119%
99	15.292	2293	2296	2299	rBV5	3575	5042	0.64%	0.076%
100	15.327	2299	2302	2317	rVB5	4767	11153	1.42%	0.167%

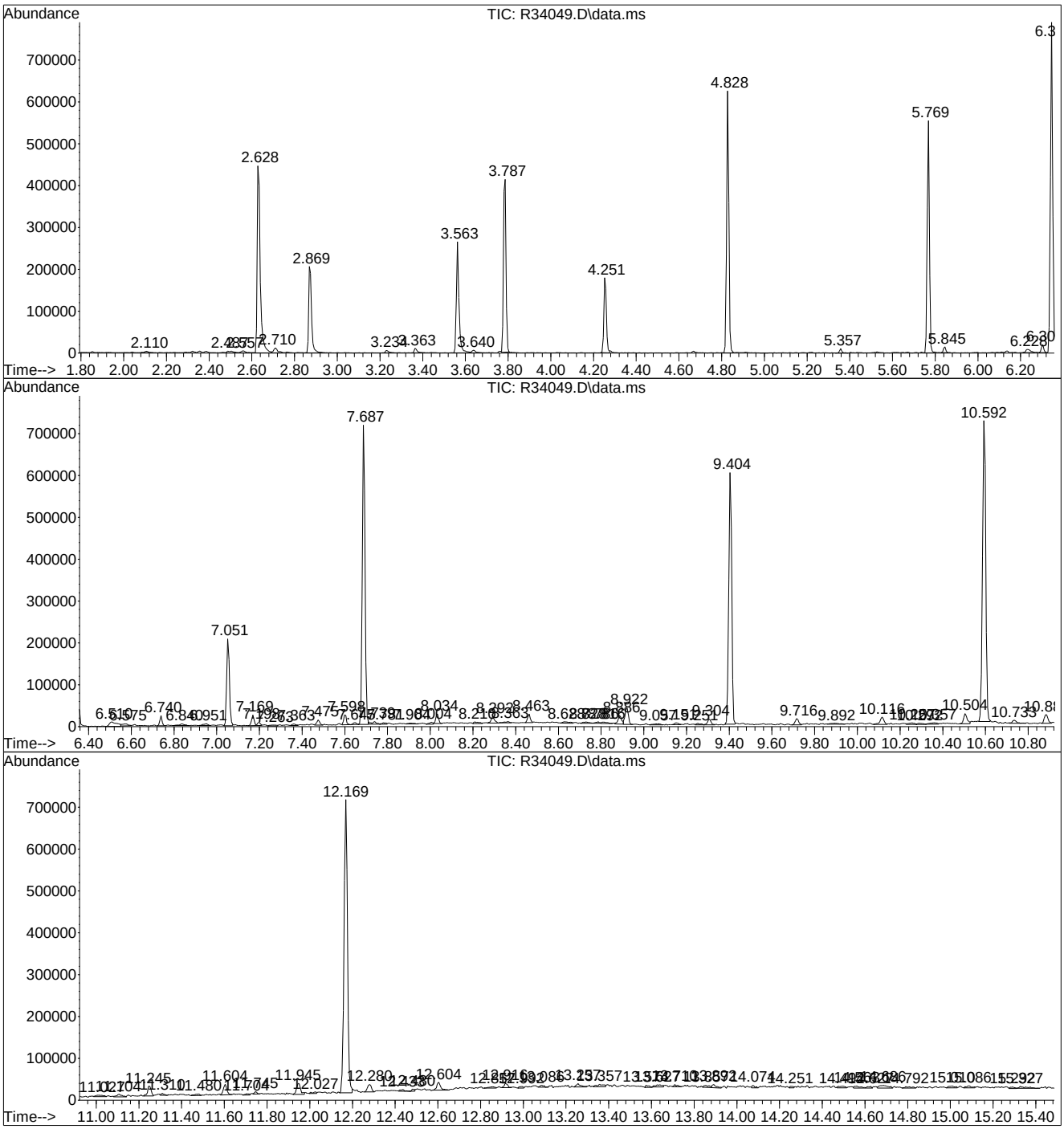
Sum of corrected areas: 6665406

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\R131007\
Data File : R34049.D
Acq On : 7 Oct 2013 5:21 pm
Operator : kristinr
Sample : mc24849-6
Misc : OP35125,MSR1238,20.93,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\R131007\
Data File : R34049.D
Acq On : 7 Oct 2013 5:21 pm
Operator : kristinr
Sample : mc24849-6
Misc : OP35125,MSR1238,20.93,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\R131007\
Data File : R34049.D
Acq On : 7 Oct 2013 5:21 pm
Operator : kristinr
Sample : mc24849-6
Misc : OP35125,MSR1238,20.93,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 10/09/13 11:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R131007\
Data File : R34050.D
Acq On : 7 Oct 2013 5:44 pm
Operator : kristinr
Sample : mc24849-7
Misc : OP35125,MSR1238,20.30,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 09 10:49:59 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

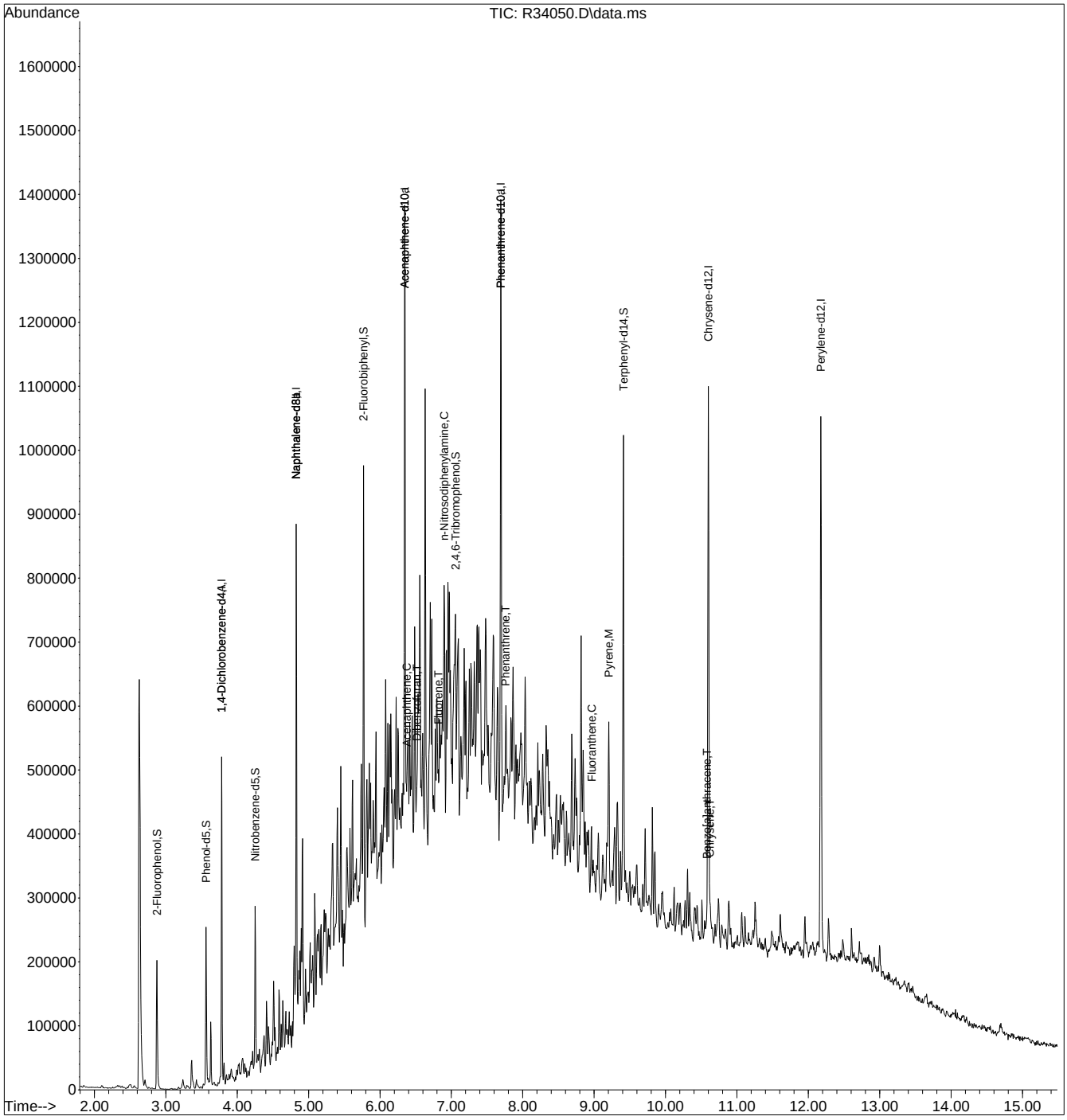
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.781	152	71265	40.00	ppm	-0.03
21) 1,4-Dichlorobenzene-d4A	3.781	152	71265	40.00	PPM	-0.03
23) Naphthalene-d8	4.828	136	266663	40.00	ppm	-0.03
41) Naphthalene-d8a	4.828	136	266663	40.00	ppm	-0.03
43) Acenaphthene-d10	6.345	164	175708	40.00	ppm	-0.03
65) Acenaphthene-d10a	6.345	164	175708	40.00	ppm	-0.03
67) Phenanthrene-d10	7.692	188	309575	40.00	ppm	-0.03
80) Phenanthrene-d10a	7.692	188	309575	40.00	ppm	-0.03
82) Chrysene-d12	10.598	240	337538	40.00	ppm	-0.04
92) Perylene-d12	12.174	264	326855	40.00	ppm	-0.05
100) Naphthalene-d8b	4.828	136	266663	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.875	112	55487	25.68	ppm	-0.11
Spiked Amount 100.000	Range 30 - 130		Recovery = 25.68%#			
7) Phenol-d5	3.563	99	72751	26.60	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 26.60%#			
24) Nitrobenzene-d5	4.251	82	60254	23.65	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 47.30%			
48) 2-Fluorobiphenyl	5.769	172	166167	28.43	ppm	-0.05
Spiked Amount 50.000	Range 30 - 130		Recovery = 56.86%			
71) 2,4,6-Tribromophenol	7.057	330	23942	25.81	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 25.81%#			
85) Terphenyl-d14	9.410	244	232303	32.15	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 64.30%			
Target Compounds						Qvalue
53) Acenaphthene	6.375	153	10689	2.16	ppm	94
55) Dibenzofuran	6.516	168	13965m	2.00	ppm	
59) Fluorene	6.816	166	23740	4.22	ppm	95
69) n-Nitrosodiphenylamine	6.898	169	34672m	8.59	ppm	
75) Phenanthrene	7.757	178	39086m	4.67	ppm	
79) Fluoranthene	8.963	202	10302	1.17	ppm	95
84) Pyrene	9.204	202	84456	8.75	ppm	99
89) Benzo[a]anthracene	10.580	228	7989	0.92	ppm	80
90) Chrysene	10.621	228	15596m	1.80	ppm	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

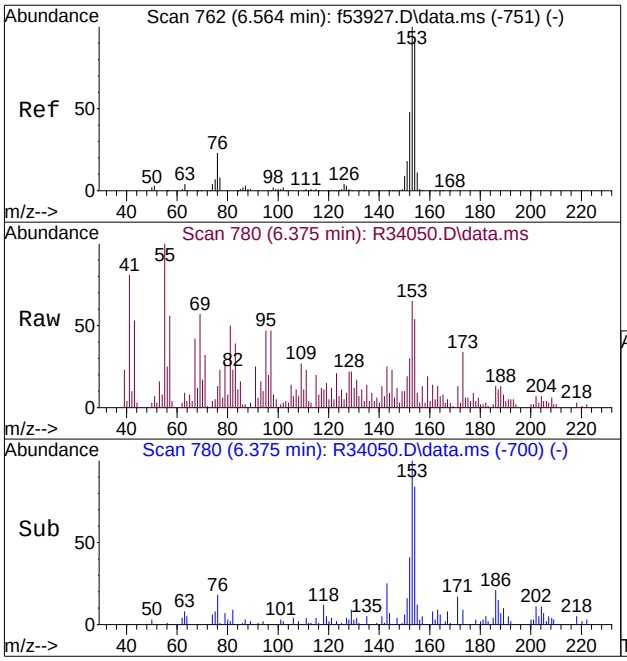
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R131007\
Data File : R34050.D
Acq On : 7 Oct 2013 5:44 pm
Operator : kristinr
Sample : mc24849-7
Misc : OP35125,MSR1238,20.30,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 09 10:49:59 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



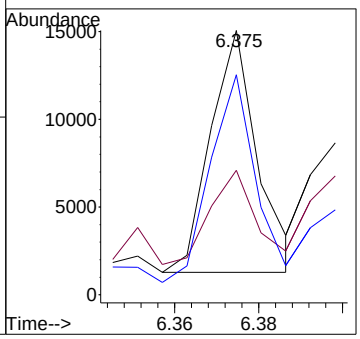
R130628_8270+.m Wed Oct 09 10:51:12 2013 Page: 2

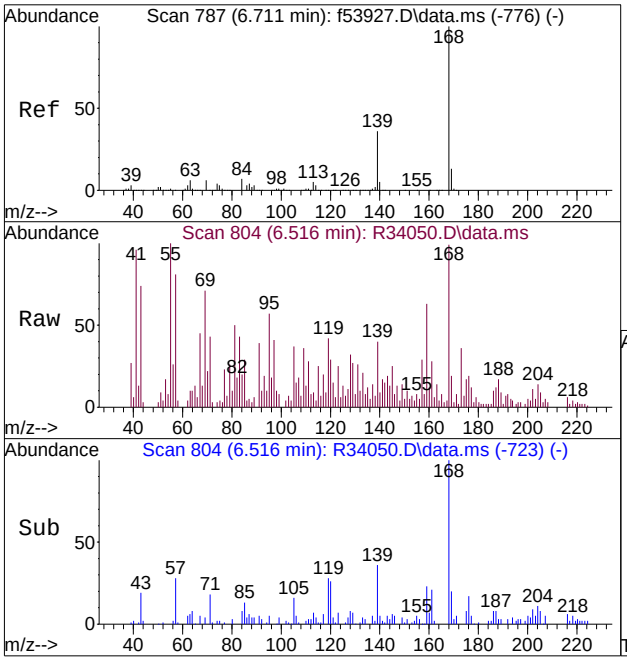


#53
Acenaphthene
Concen: 2.16 ppm
RT: 6.375 min Scan# 780
Delta R.T. -0.027 min
Lab File: R34050.D
Acq: 7 Oct 2013 5:44 pm

Tgt Ion:153 Resp: 10689

Ion	Ratio	Lower	Upper
153	100		
152	38.9	16.2	76.2
154	85.8	58.7	118.7

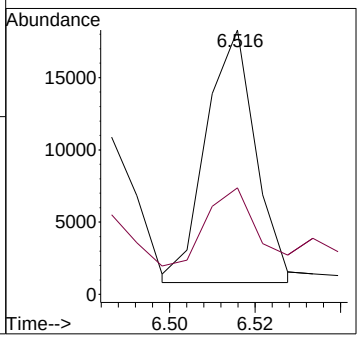


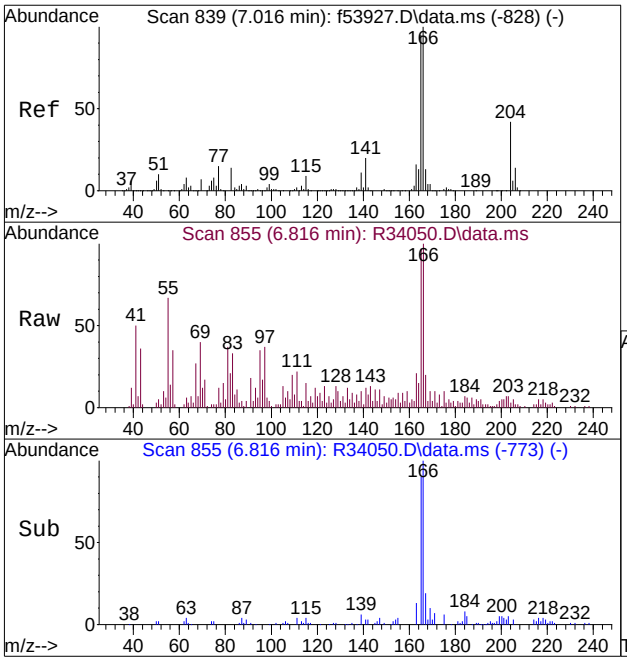


#55
Dibenzofuran
Concen: 2.00 ppm m
RT: 6.516 min Scan# 804
Delta R.T. -0.022 min
Lab File: R34050.D
Acq: 7 Oct 2013 5:44 pm

Tgt Ion:168 Resp: 13965

Ion	Ratio	Lower	Upper
168	100		
139	40.3	3.2	63.2

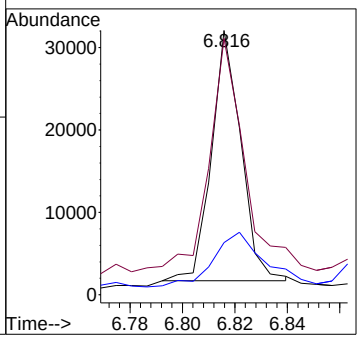


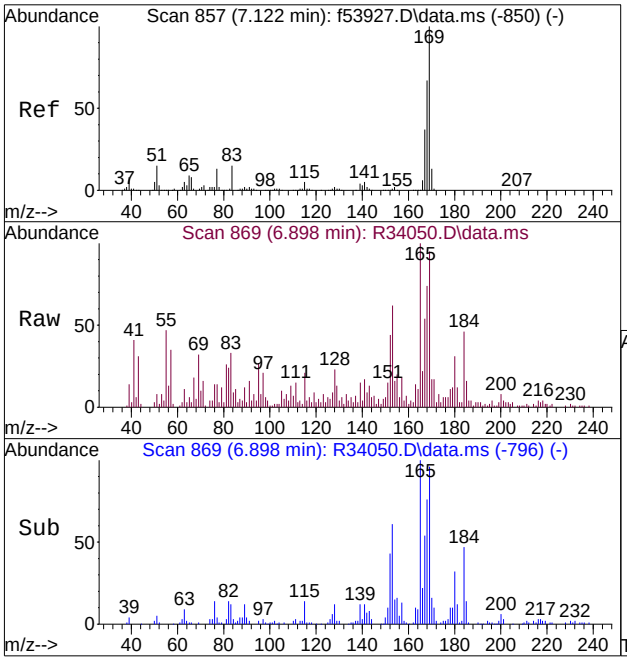


#59
Fluorene
Concen: 4.22 ppm
RT: 6.816 min Scan# 855
Delta R.T. -0.020 min
Lab File: R34050.D
Acq: 7 Oct 2013 5:44 pm

Tgt Ion:166 Resp: 23740

Ion	Ratio	Lower	Upper
166	100		
165	91.1	65.6	125.6
167	17.2	0.0	43.4

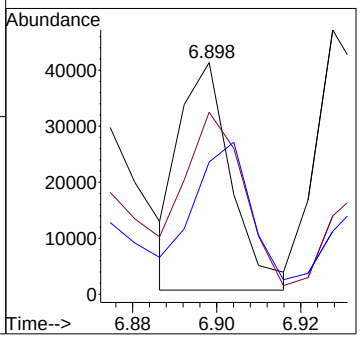


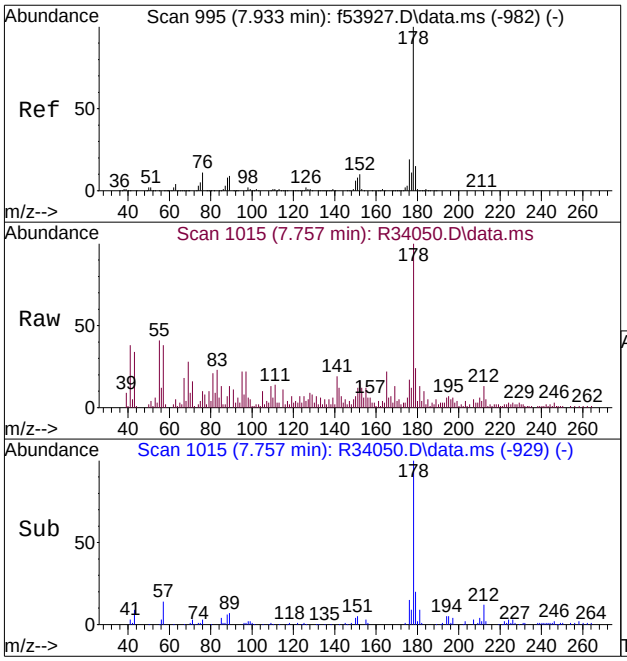


#69
n-Nitrosodiphenylamine
Concen: 8.59 ppm m
RT: 6.898 min Scan# 869
Delta R.T. -0.072 min
Lab File: R34050.D
Acq: 7 Oct 2013 5:44 pm

Tgt Ion:169 Resp: 34672

Ion	Ratio	Lower	Upper
169	100		
168	78.7	33.4	93.4
167	57.2	5.3	65.3

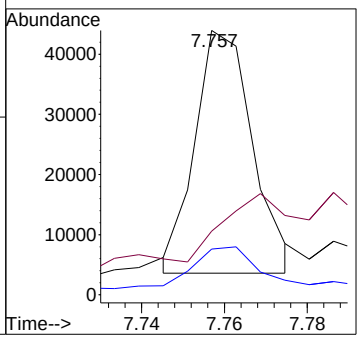


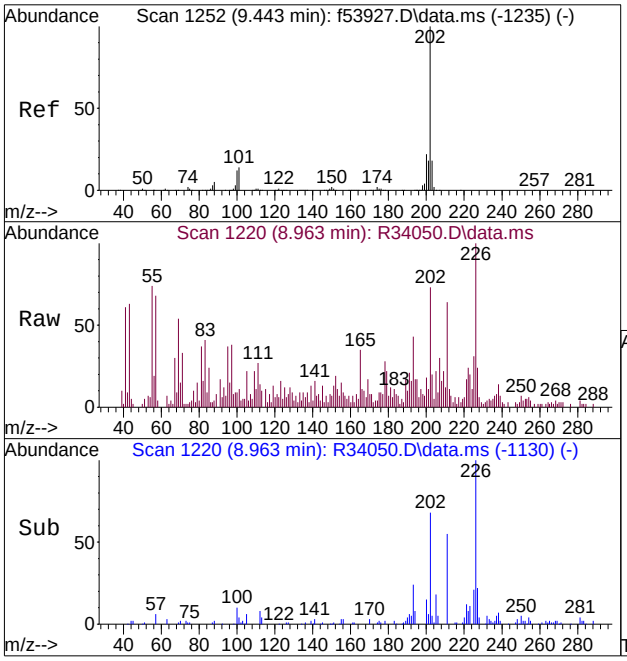


#75
Phenanthrene
Concen: 4.67 ppm m
RT: 7.757 min Scan# 1015
Delta R.T. 0.008 min
Lab File: R34050.D
Acq: 7 Oct 2013 5:44 pm

Tgt Ion:178 Resp: 39086

Ion	Ratio	Lower	Upper
178	100		
179	24.1	0.0	45.2
176	17.3	0.0	48.6

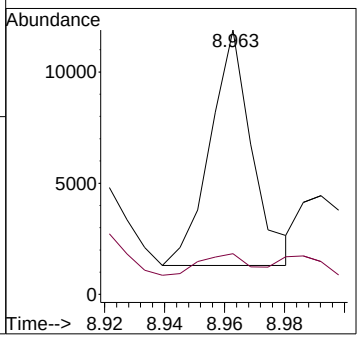


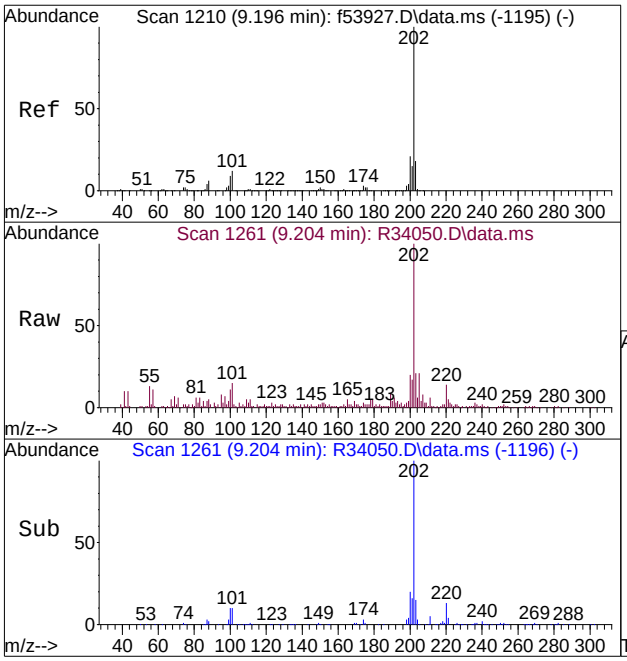


#79
Fluoranthene
Concen: 1.17 ppm
RT: 8.963 min Scan# 1220
Delta R.T. 0.027 min
Lab File: R34050.D
Acq: 7 Oct 2013 5:44 pm

Tgt Ion:202 Resp: 10302

Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	41.0

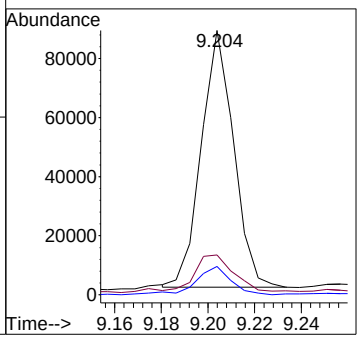


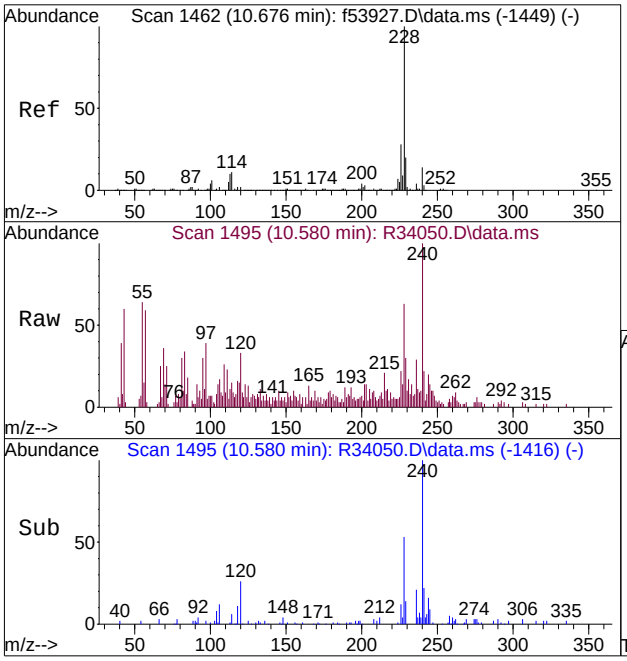


#84
Pyrene
Concen: 8.75 ppm
RT: 9.204 min Scan# 1261
Delta R.T. -0.118 min
Lab File: R34050.D
Acq: 7 Oct 2013 5:44 pm

Tgt Ion:202 Resp: 84456

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	43.1
100	10.7	0.0	40.6

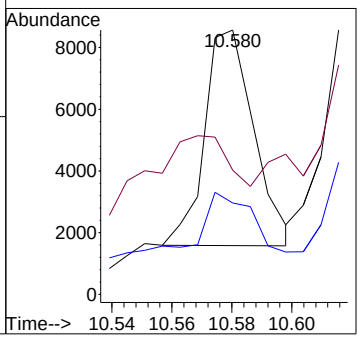


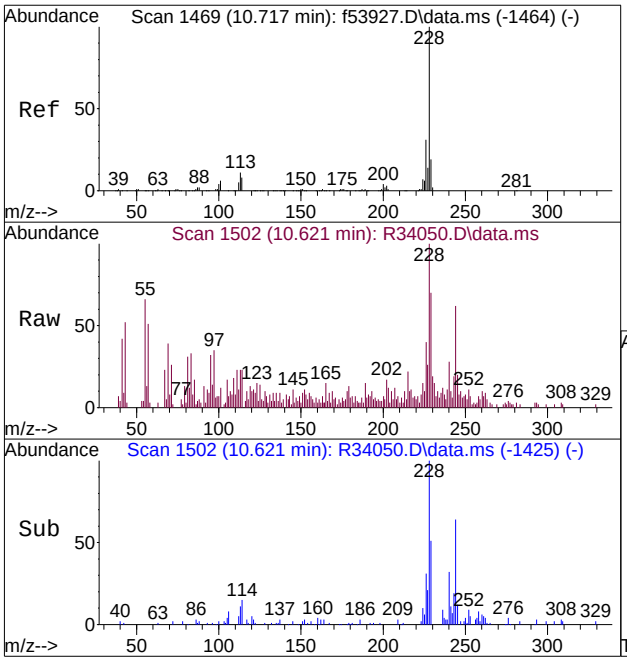


#89
Benzo[a]anthracene
Concen: 0.92 ppm
RT: 10.580 min Scan# 1495
Delta R.T. -0.037 min
Lab File: R34050.D
Acq: 7 Oct 2013 5:44 pm

Tgt Ion:228 Resp: 7989

Ion	Ratio	Lower	Upper
228	100		
229	1.4	0.0	49.1
226	22.9	0.0	56.0

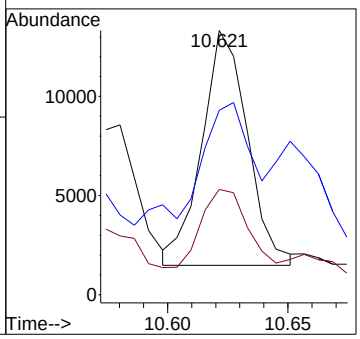




#90
Chrysene
Concen: 1.80 ppm m
RT: 10.621 min Scan# 1502
Delta R.T. -0.045 min
Lab File: R34050.D
Acq: 7 Oct 2013 5:44 pm

Tgt Ion:228 Resp: 15596

Ion	Ratio	Lower	Upper
228	100		
226	39.9	0.0	59.0
229	69.8	0.0	48.7#



LSC Area Percent Report

Data Path : C:\msdchem\1\data\R131007\
Data File : R34050.D
Acq On : 7 Oct 2013 5:44 pm
Operator : kristinr
Sample : mc24849-7
Misc : OP35125,MSR1238,20.30,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

Signal : TIC: R34050.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.628	139	143	154	rBV	639703	1012844	94.27%	3.655%
2	2.875	181	185	195	rBV	201108	190638	17.74%	0.688%
3	3.563	298	302	306	rVV	249135	201850	18.79%	0.728%
4	3.781	337	339	343	rVV	510587	417405	38.85%	1.506%
5	4.251	416	419	423	rBV	251053	197409	18.37%	0.712%
6	4.375	432	440	443	rBV5	58223	116871	10.88%	0.422%
7	4.510	455	463	469	rBV4	131607	213832	19.90%	0.772%
8	4.798	509	512	514	rBV2	141467	153487	14.29%	0.554%
9	4.828	514	517	521	rVB	751274	580672	54.05%	2.096%
10	4.881	521	526	527	rBV5	83271	102746	9.56%	0.371%
11	4.916	527	532	536	rVB2	290616	383070	35.65%	1.383%
12	5.087	558	561	564	rBV2	178371	187043	17.41%	0.675%
13	5.122	564	567	569	rBV3	94696	125949	11.72%	0.455%
14	5.216	578	583	585	rBV4	117913	180323	16.78%	0.651%
15	5.275	590	593	598	rBV5	69670	129333	12.04%	0.467%
16	5.339	598	604	606	rVV6	166249	265735	24.73%	0.959%
17	5.404	611	615	620	rVB3	210725	271294	25.25%	0.979%
18	5.451	620	623	629	rVB3	313253	350719	32.64%	1.266%
19	5.539	633	638	643	rBV4	130722	232583	21.65%	0.839%
20	5.616	647	651	653	rVV	200613	172928	16.10%	0.624%
21	5.669	653	660	663	rVV7	67429	128044	11.92%	0.462%
22	5.739	667	672	674	rBV5	199508	209776	19.53%	0.757%
23	5.769	674	677	681	rVB	722015	592474	55.15%	2.138%
24	5.816	681	685	687	rBV3	231234	300001	27.92%	1.083%
25	5.851	687	691	696	rBV5	178992	307866	28.65%	1.111%
26	5.904	698	700	704	rVV4	103676	104354	9.71%	0.377%
27	5.945	704	707	709	rVB	230191	182878	17.02%	0.660%
28	6.004	710	717	719	rVB6	79844	125642	11.69%	0.453%
29	6.081	728	730	733	rVB2	256174	213679	19.89%	0.771%
30	6.110	733	735	737	rBV	186195	128396	11.95%	0.463%
31	6.151	737	742	748	rVB5	241571	477950	44.49%	1.725%
32	6.204	748	751	753	rBV2	123148	142373	13.25%	0.514%
33	6.228	753	755	757	rVB2	207552	149667	13.93%	0.540%
34	6.251	757	759	762	rBV2	158809	146532	13.64%	0.529%
35	6.322	767	771	773	rBV3	70946	110111	10.25%	0.397%
36	6.345	773	775	779	rVV	965940	833444	77.57%	3.008%
37	6.392	779	783	785	rVV3	118813	163749	15.24%	0.591%
38	6.451	789	793	796	rVB	183004	192992	17.96%	0.697%
39	6.486	796	799	802	rBV	322424	272151	25.33%	0.982%
40	6.534	802	807	808	rBV3	184854	212456	19.77%	0.767%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R131007\
Data File : R34050.D
Acq On : 7 Oct 2013 5:44 pm
Operator : kristinr
Sample : mc24849-7
Misc : OP35125,MSR1238,20.30,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

41	6.557	808	811	815	rVB2	338132	325372	30.28%	1.174%
42	6.598	815	818	821	rVB4	149699	156643	14.58%	0.565%
43	6.634	821	824	830	rVB	713880	666645	62.05%	2.406%
44	6.704	830	836	838	rBV4	379927	512317	47.68%	1.849%
45	6.728	838	840	846	rVB	301893	257437	23.96%	0.929%
46	6.775	846	848	850	rBV2	129650	115015	10.71%	0.415%
47	6.798	850	852	856	rVB5	132511	126812	11.80%	0.458%
48	6.839	856	859	861	rBV	99257	104556	9.73%	0.377%
49	6.875	863	865	867	rVV3	162891	184836	17.20%	0.667%
50	6.898	867	869	872	rVB3	355695	363981	33.88%	1.314%
51	6.933	872	875	876	rBV	254401	237717	22.13%	0.858%
52	6.951	876	878	888	rVV2	339855	808083	75.21%	2.916%
53	7.057	889	896	898	rVV5	285431	579994	53.98%	2.093%
54	7.098	898	903	905	rVB3	276573	441273	41.07%	1.593%
55	7.133	905	909	912	rBV4	123693	185554	17.27%	0.670%
56	7.181	912	917	919	rVV	223436	267161	24.87%	0.964%
57	7.204	919	921	924	rVB	170254	128703	11.98%	0.465%
58	7.251	926	929	931	rBV	192465	190036	17.69%	0.686%
59	7.275	931	933	938	rBV4	144788	154722	14.40%	0.558%
60	7.322	938	941	944	rVB2	149050	158598	14.76%	0.572%
61	7.363	944	948	950	rBV3	206241	245229	22.82%	0.885%
62	7.386	950	952	953	rBV2	135631	107797	10.03%	0.389%
63	7.481	965	968	973	rVV5	215600	267993	24.94%	0.967%
64	7.586	978	986	993	rVB5	257935	526389	48.99%	1.900%
65	7.645	993	996	1000	rVB2	239994	315224	29.34%	1.138%
66	7.692	1000	1004	1008	rBV	1003159	971754	90.45%	3.507%
67	7.763	1008	1016	1022	rBV4	166655	314803	29.30%	1.136%
68	7.833	1023	1028	1030	rBV2	122709	149686	13.93%	0.540%
69	7.863	1030	1033	1037	rVB3	238363	327357	30.47%	1.181%
70	7.904	1037	1040	1042	rBV2	116638	132147	12.30%	0.477%
71	7.975	1048	1052	1056	rVB5	112699	208338	19.39%	0.752%
72	8.033	1056	1062	1069	rVB4	229670	391208	36.41%	1.412%
73	8.116	1074	1076	1080	rVB3	102491	129847	12.09%	0.469%
74	8.280	1101	1104	1108	rVB	128709	146175	13.61%	0.528%
75	8.328	1108	1112	1118	rBV3	173397	342339	31.86%	1.236%
76	8.475	1132	1137	1139	rVV2	99141	136253	12.68%	0.492%
77	8.527	1144	1146	1149	rVV3	92313	115940	10.79%	0.418%
78	8.569	1149	1153	1157	rVB5	100126	181526	16.90%	0.655%
79	8.686	1170	1173	1176	rBV2	200890	213927	19.91%	0.772%
80	8.733	1178	1181	1188	rVB2	178290	310478	28.90%	1.121%
81	8.816	1188	1195	1198	rBV	370015	458198	42.65%	1.654%
82	8.845	1198	1200	1203	rVB2	163540	151128	14.07%	0.545%
83	8.963	1216	1220	1222	rBV2	103687	115722	10.77%	0.418%
84	9.057	1230	1236	1242	rVB7	105689	193660	18.03%	0.699%
85	9.122	1243	1247	1254	rBV6	66479	128145	11.93%	0.462%

R130628_8270+.m Wed Oct 09 11:03:33 2013 Page: 2

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R131007\
Data File : R34050.D
Acq On : 7 Oct 2013 5:44 pm
Operator : kristinr
Sample : mc24849-7
Misc : OP35125,MSR1238,20.30,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

86	9.204	1254	1261	1265	rBV2	266082	374137	34.82%	1.350%
87	9.286	1271	1275	1278	rVB2	119869	177844	16.55%	0.642%
88	9.327	1278	1282	1286	rBV	159297	217487	20.24%	0.785%
89	9.410	1291	1296	1299	rVV	716536	717919	66.82%	2.591%
90	9.716	1345	1348	1354	rVV	124006	142887	13.30%	0.516%
91	9.816	1362	1365	1368	rBV2	168686	154839	14.41%	0.559%
92	9.851	1368	1371	1376	rVB3	118212	154008	14.33%	0.556%
93	9.957	1384	1389	1399	rVB4	58553	131940	12.28%	0.476%
94	10.339	1451	1454	1462	rVB	77150	110136	10.25%	0.397%
95	10.598	1493	1498	1511	rVB	871315	1074392	100.00%	3.878%
96	10.739	1517	1522	1527	rVB5	76849	133690	12.44%	0.483%
97	10.886	1543	1547	1556	rBV3	75602	143250	13.33%	0.517%
98	11.251	1606	1609	1616	rVB3	70993	112648	10.48%	0.407%
99	11.951	1724	1728	1737	rBV	64991	113877	10.60%	0.411%
100	12.174	1762	1766	1771	rBV	830242	920677	85.69%	3.323%

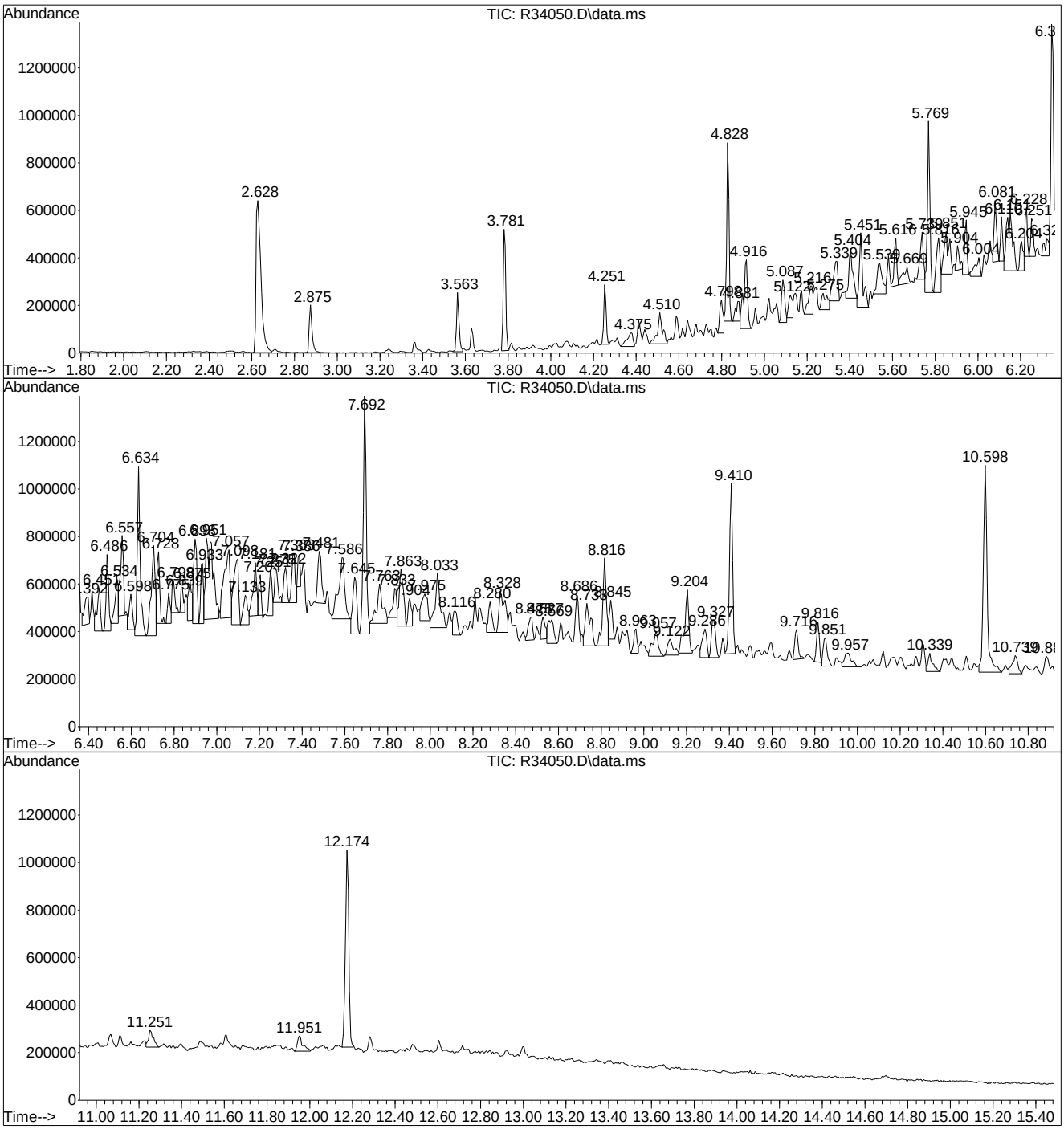
Sum of corrected areas: 27707715

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\R131007\
Data File : R34050.D
Acq On : 7 Oct 2013 5:44 pm
Operator : kristinr
Sample : mc24849-7
Misc : OP35125,MSR1238,20.30,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\R131007\
Data File : R34050.D
Acq On : 7 Oct 2013 5:44 pm
Operator : kristinr
Sample : mc24849-7
Misc : OP35125,MSR1238,20.30,,,1,1
ALS Vial : 20 Sample Multiplier: 1

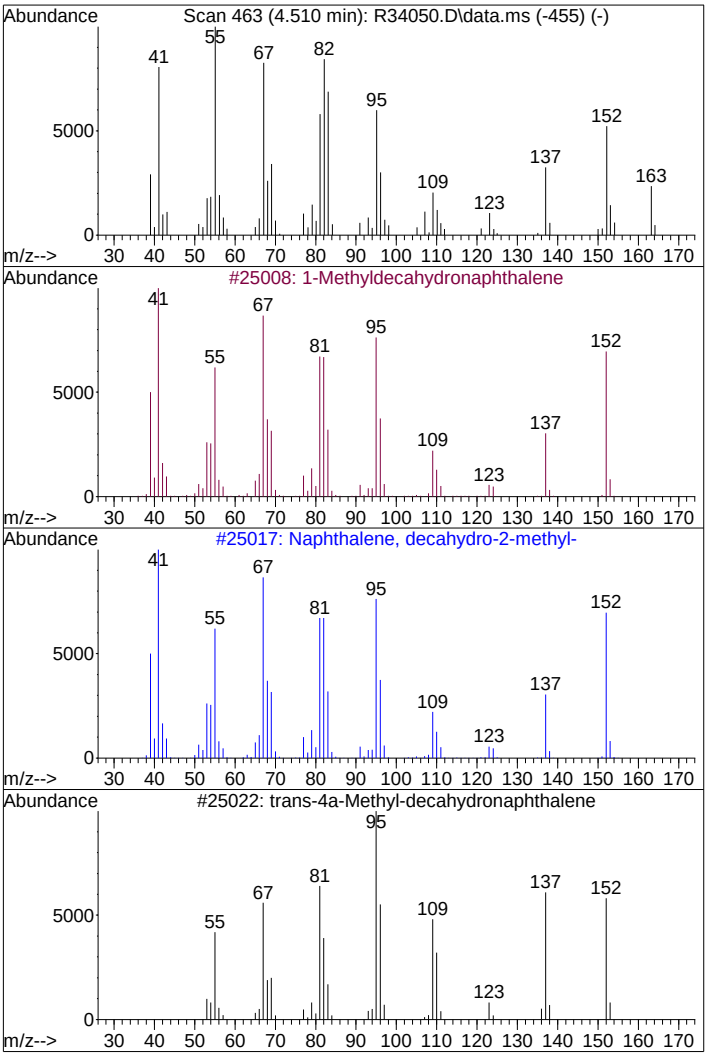
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

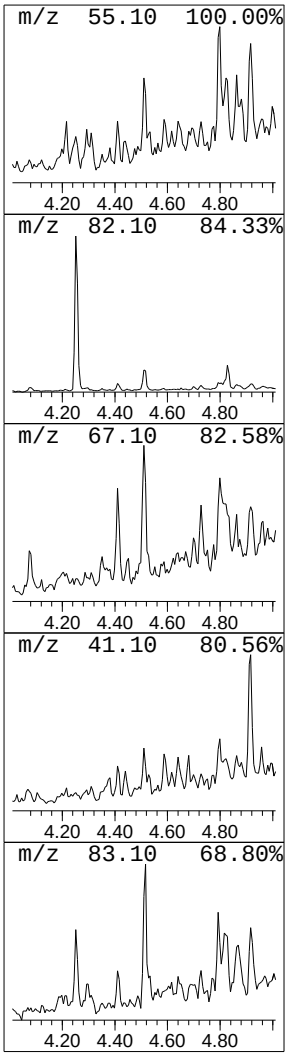
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

****
Peak Number 2 1-Methyldecahydronaphthalene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.510	14.73 ppm	213832	Naphthalene-d8	4.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	93
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
3	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	83
4	Cyclopentylcyclohexane	152	C11H20	001606-08-2	76
5	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	70





Library Search Compound Report

Data Path : C:\msdchem\1\data\R131007\
Data File : R34050.D
Acq On : 7 Oct 2013 5:44 pm
Operator : kristinr
Sample : mc24849-7
Misc : OP35125,MSR1238,20.30,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

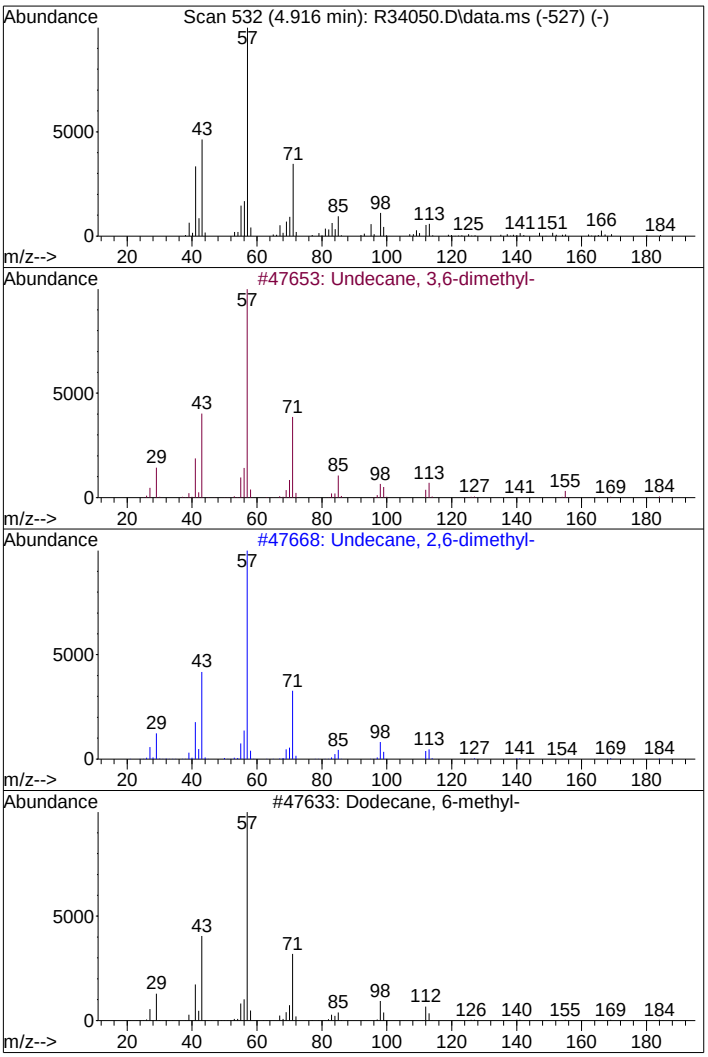
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

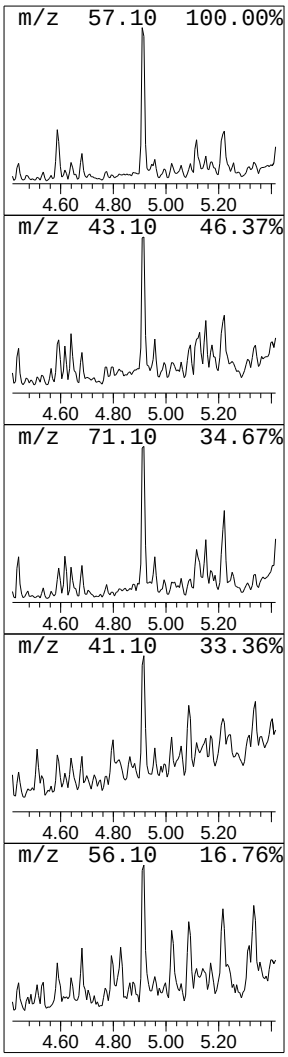
****

Peak Number 3 Undecane, 3,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.916	26.39 ppm	383070	Naphthalene-d8b	4.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	91
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
3	Dodecane, 6-methyl-	184	C13H28	006044-71-9	87
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	86
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	81





Library Search Compound Report

Data Path : C:\msdchem\1\data\R131007\
Data File : R34050.D
Acq On : 7 Oct 2013 5:44 pm
Operator : kristinr
Sample : mc24849-7
Misc : OP35125,MSR1238,20.30,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

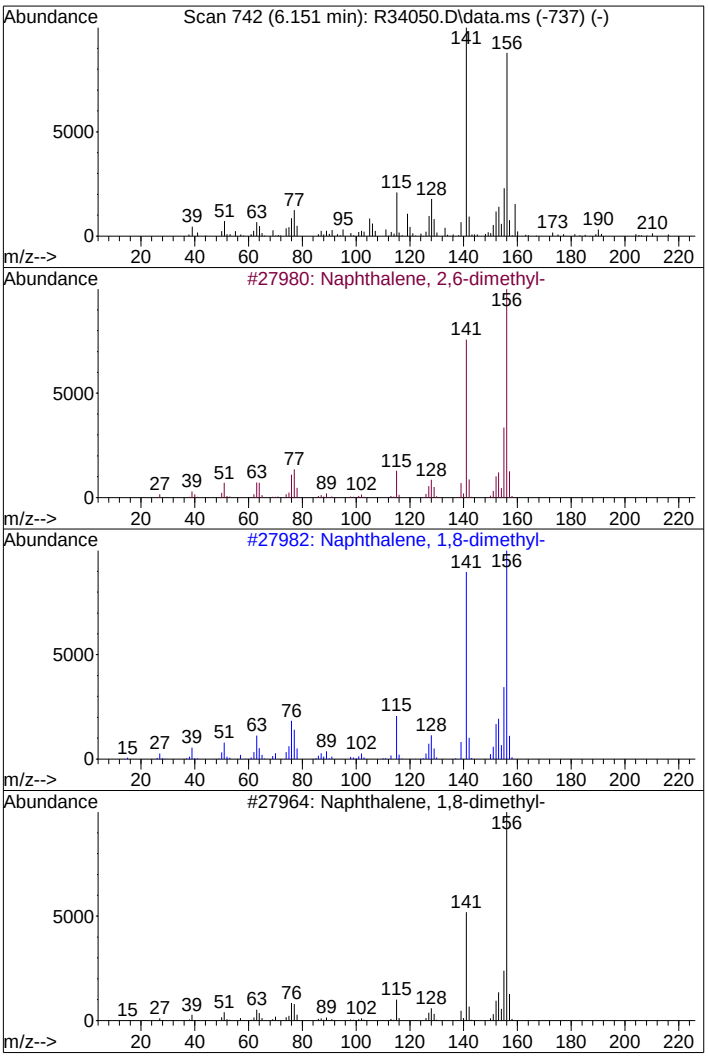
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

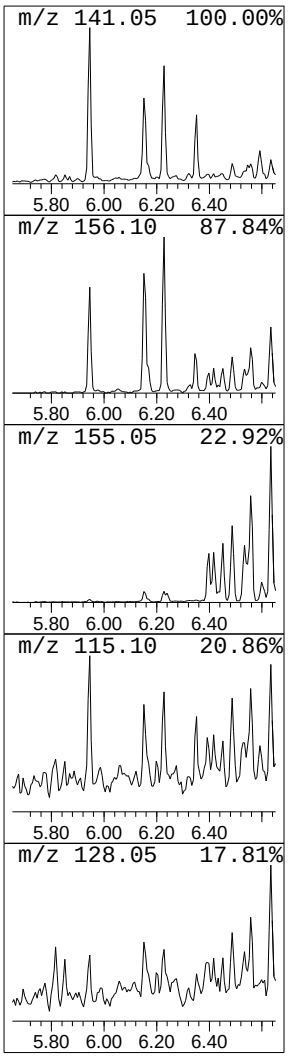
****

Peak Number 9 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.151	22.94 ppm	477950	Acenaphthene-d10	6.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
2	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	93
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93





R130628_8270+.m Wed Oct 09 11:03:33 2013

Library Search Compound Report

Data Path : C:\msdchem\1\data\R131007\
Data File : R34050.D
Acq On : 7 Oct 2013 5:44 pm
Operator : kristinr
Sample : mc24849-7
Misc : OP35125,MSR1238,20.30,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

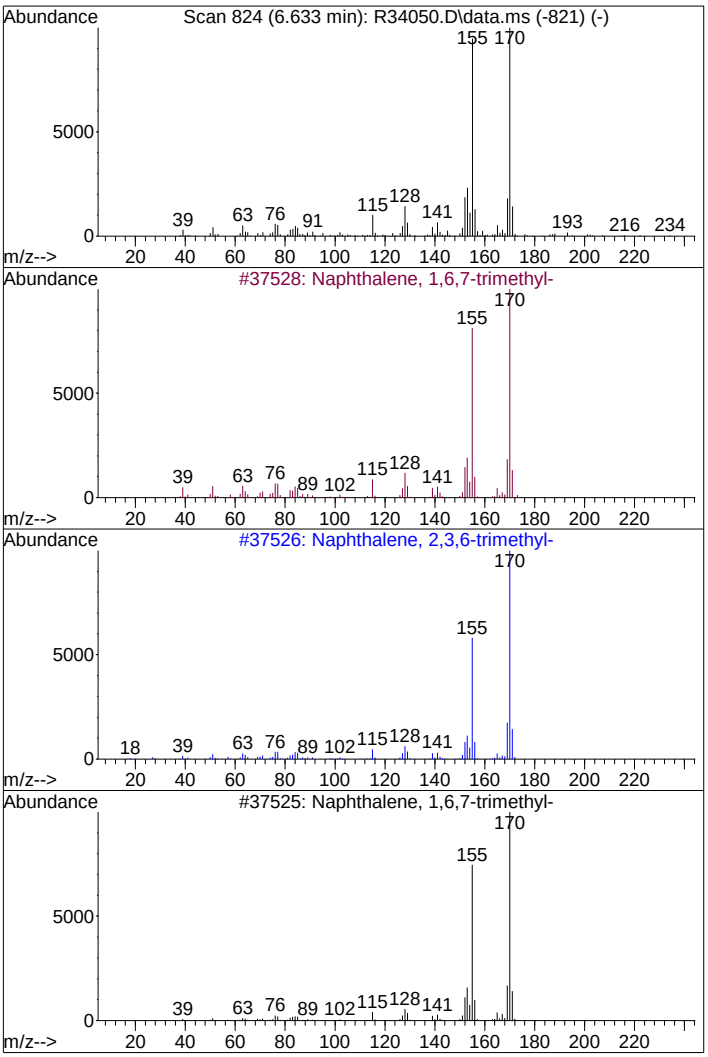
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

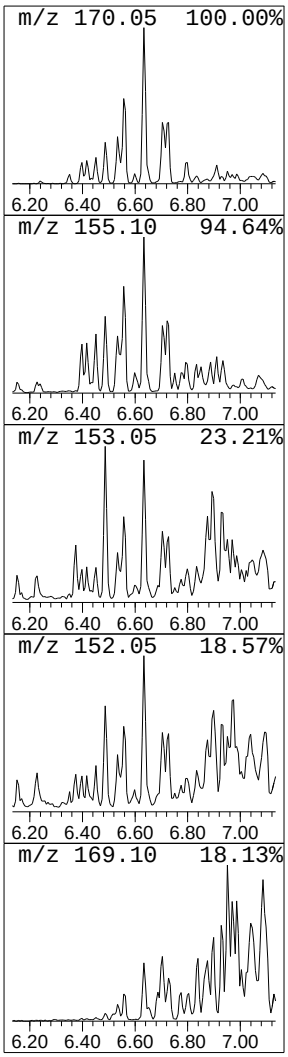
****

Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.633	31.99 ppm	666645	Acenaphthene-d10a	6.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96





Library Search Compound Report

Data Path : C:\msdchem\1\data\R131007\
Data File : R34050.D
Acq On : 7 Oct 2013 5:44 pm
Operator : kristinr
Sample : mc24849-7
Misc : OP35125,MSR1238,20.30,,,1,1
ALS Vial : 20 Sample Multiplier: 1

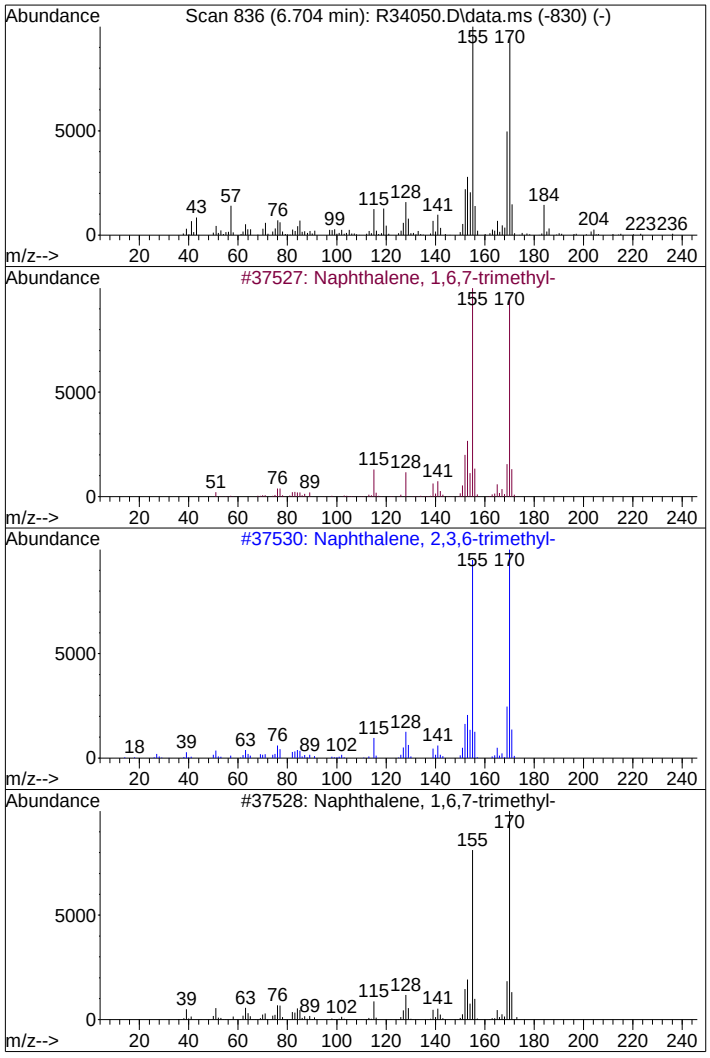
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

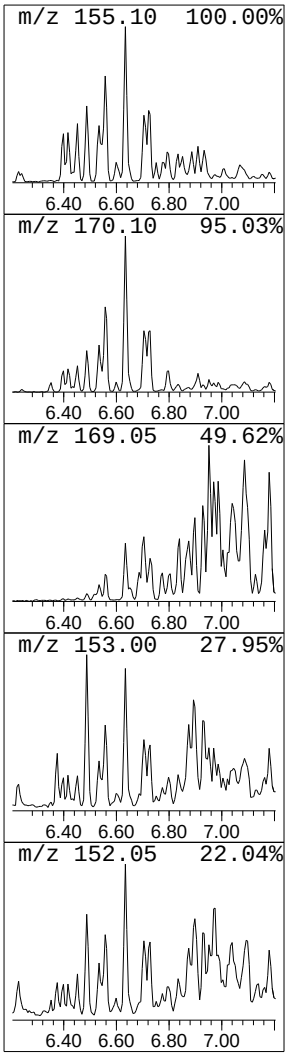
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

****
Peak Number 11 Naphthalene, 2,3,6-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.704	24.59 ppm	512317	Acenaphthene-d10a	6.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93





Library Search Compound Report

Data Path : C:\msdchem\1\data\R131007\
Data File : R34050.D
Acq On : 7 Oct 2013 5:44 pm
Operator : kristinr
Sample : mc24849-7
Misc : OP35125,MSR1238,20.30,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

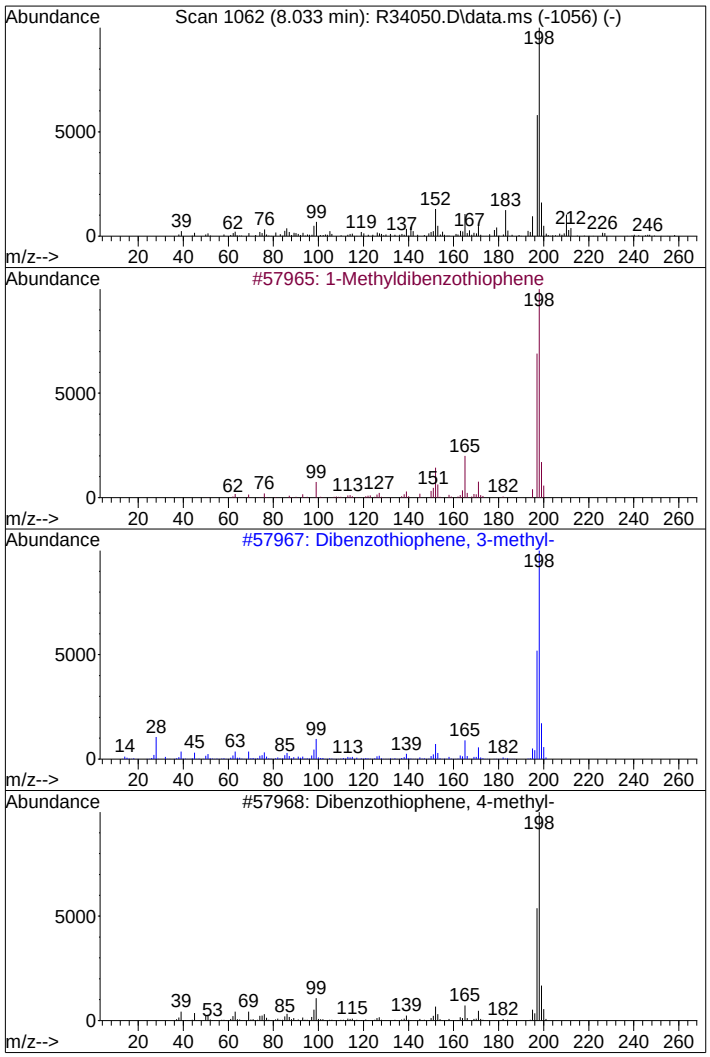
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

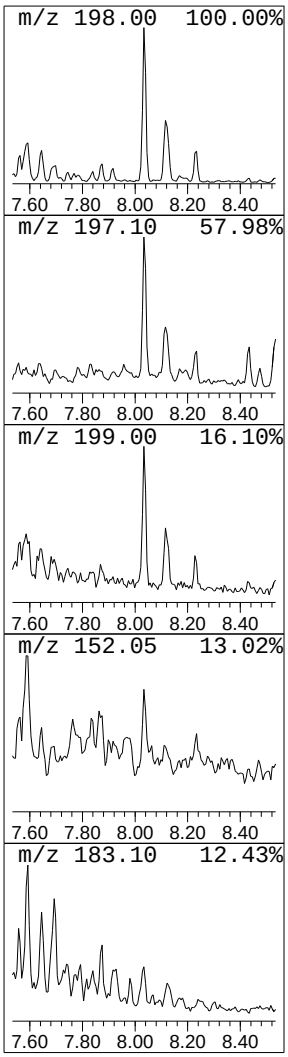
****

Peak Number 14 1-Methyldibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.033	16.10 ppm	391208	Phenanthrene-d10a	7.692

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
4	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	72
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	64





R130628_8270+.m Wed Oct 09 11:03:34 2013 Page: 10

Library Search Compound Report

Data Path : C:\msdchem\1\data\R131007\
Data File : R34050.D
Acq On : 7 Oct 2013 5:44 pm
Operator : kristinr
Sample : mc24849-7
Misc : OP35125,MSR1238,20.30,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

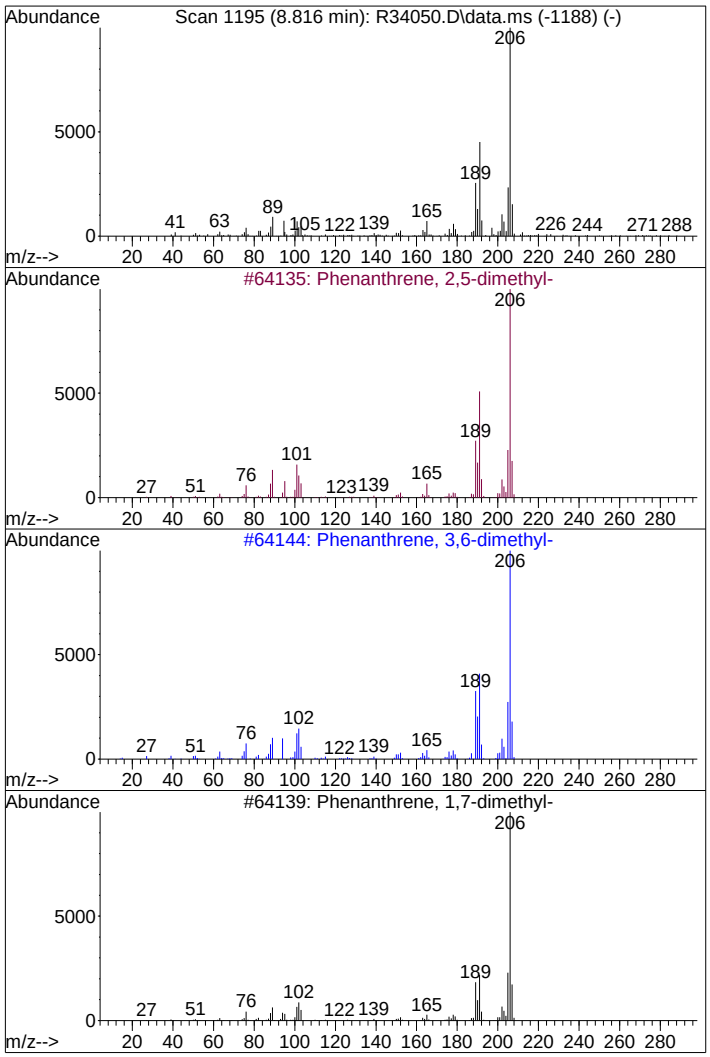
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

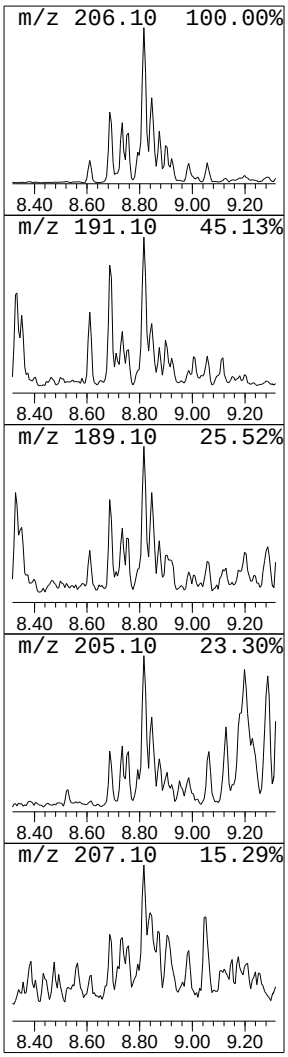
****

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.816	18.86 ppm	458198	Phenanthrene-d10a	7.692

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\R131007\
Data File : R34050.D
Acq On : 7 Oct 2013 5:44 pm
Operator : kristinr
Sample : mc24849-7
Misc : OP35125,MSR1238,20.30,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1-Methyldecahyd...	4.510	14.7	ppm	213832	3	4.828	580672	40.0
Undecane, 3,6-d...	4.916	26.4	ppm	383070	5	4.828	580672	40.0
Naphthalene, 2,...	6.151	22.9	ppm	477950	6	6.345	833444	40.0
Naphthalene, 1,...	6.633	32.0	ppm	666645	7	6.345	833444	40.0
Naphthalene, 2,...	6.704	24.6	ppm	512317	7	6.345	833444	40.0
1-Methyldibenzo...	8.033	16.1	ppm	391208	9	7.692	971754	40.0
Phenanthrene, 2...	8.816	18.9	ppm	458198	9	7.692	971754	40.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R131007\
Data File : R34042.D
Acq On : 7 Oct 2013 2:42 pm
Operator : kristinr
Sample : op35125-mb
Misc : OP35125,MSR1238,20.89,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 07 15:08:31 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

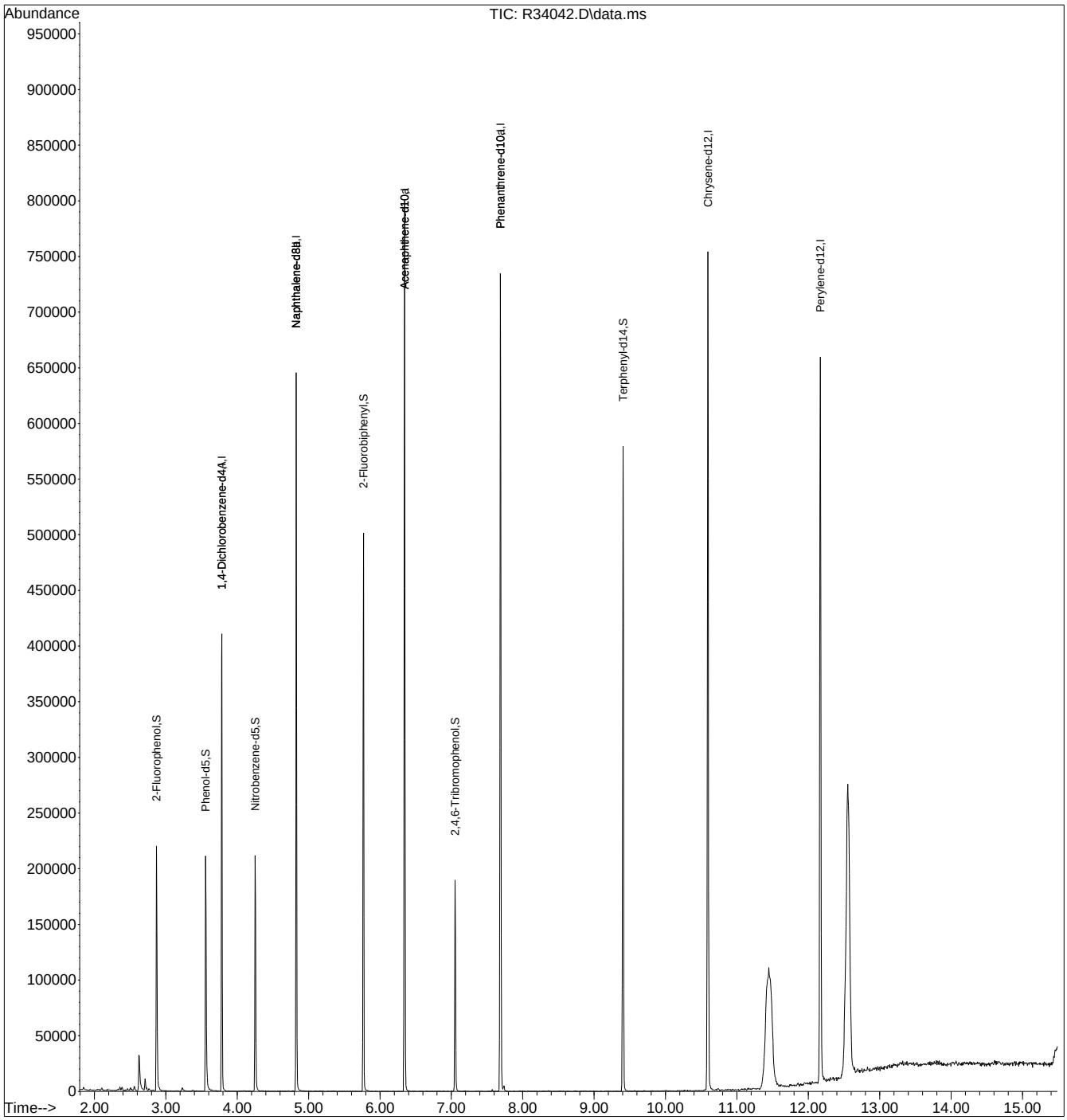
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.787	152	60789	40.00	ppm	-0.02
21) 1,4-Dichlorobenzene-d4A	3.787	152	60789	40.00	PPM	-0.02
23) Naphthalene-d8	4.828	136	230352	40.00	ppm	-0.03
41) Naphthalene-d8a	4.828	136	230352	40.00	ppm	-0.03
43) Acenaphthene-d10	6.346	164	146864	40.00	ppm	-0.03
65) Acenaphthene-d10a	6.346	164	146864	40.00	ppm	-0.03
67) Phenanthrene-d10	7.687	188	260911	40.00	ppm	-0.04
80) Phenanthrene-d10a	7.687	188	260911	40.00	ppm	-0.04
82) Chrysene-d12	10.592	240	288091	40.00	ppm	-0.05
92) Perylene-d12	12.169	264	270457	40.00	ppm	-0.05
100) Naphthalene-d8b	4.828	136	230352	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.869	112	54481	29.56	ppm	-0.12
Spiked Amount 100.000	Range 30 - 130		Recovery = 29.56%#			
7) Phenol-d5	3.557	99	68750	29.46	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 29.46%#			
24) Nitrobenzene-d5	4.252	82	56394	25.62	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 51.24%			
48) 2-Fluorobiphenyl	5.769	172	137310	28.11	ppm	-0.05
Spiked Amount 50.000	Range 30 - 130		Recovery = 56.22%			
71) 2,4,6-Tribromophenol	7.051	330	22038	28.19	ppm	-0.05
Spiked Amount 100.000	Range 30 - 130		Recovery = 28.19%#			
85) Terphenyl-d14	9.404	244	209032	33.89	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 67.78%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R131007\
Data File : R34042.D
Acq On : 7 Oct 2013 2:42 pm
Operator : kristinr
Sample : op35125-mb
Misc : OP35125,MSR1238,20.89,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 07 15:08:31 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\data\R131007\
Data File : R34042.D
Acq On : 7 Oct 2013 2:42 pm
Operator : kristinr
Sample : op35125-mb
Misc : OP35125,MSR1238,20.89,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

Signal : TIC: R34042.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.852	7	11	22	rVB2	2816	4940	0.49%	0.069%
2	1.940	24	26	29	rBV	1290	1413	0.14%	0.020%
3	2.063	45	47	49	rVB2	1141	1001	0.10%	0.014%
4	2.105	49	54	57	rVB2	2487	3032	0.30%	0.042%
5	2.328	88	92	95	rBV	1208	1584	0.16%	0.022%
6	2.358	95	97	99	rVV	3182	2798	0.28%	0.039%
7	2.393	99	103	105	rVB3	3133	3841	0.38%	0.054%
8	2.463	112	115	118	rBV	1868	1586	0.16%	0.022%
9	2.510	118	123	129	rVV2	2562	3643	0.36%	0.051%
10	2.558	129	131	139	rVB	3967	4326	0.43%	0.060%
11	2.622	139	142	153	rBV	31993	44034	4.40%	0.616%
12	2.710	153	157	164	rVV	10874	11693	1.17%	0.163%
13	2.763	164	166	171	rVB	2110	2114	0.21%	0.030%
14	2.869	180	184	196	rVB	220116	183518	18.34%	2.566%
15	3.228	241	245	255	rBV	2878	4655	0.47%	0.065%
16	3.375	266	270	277	rBB	1136	2287	0.23%	0.032%
17	3.557	297	301	314	rBV	211124	187706	18.75%	2.624%
18	3.787	334	340	350	rVB	410998	355251	35.49%	4.967%
19	4.063	382	387	390	rBV	522	1149	0.11%	0.016%
20	4.252	412	419	429	rBB	211869	174474	17.43%	2.439%
21	4.828	512	517	529	rBV	645757	471686	47.13%	6.595%
22	5.769	672	677	693	rBB	501737	378778	37.84%	5.296%
23	6.346	770	775	784	rBB	800535	592645	59.21%	8.286%
24	7.051	890	895	908	rBB	189795	164608	16.45%	2.301%
25	7.575	981	984	987	rBB	1644	1354	0.14%	0.019%
26	7.687	998	1003	1009	rBV	734748	647013	64.64%	9.046%
27	7.740	1009	1012	1016	rVB	5219	5576	0.56%	0.078%
28	9.404	1288	1295	1308	rBB	579589	556982	55.65%	7.787%
29	9.698	1341	1345	1351	rBB	883	1113	0.11%	0.016%
30	10.016	1392	1399	1402	rVB	975	2291	0.23%	0.032%
31	10.539	1486	1488	1490	rBV	1155	1157	0.12%	0.016%
32	10.592	1490	1497	1508	rVV	753563	754902	75.42%	10.554%
33	10.710	1512	1517	1519	rBV	1067	1118	0.11%	0.016%
34	10.739	1519	1522	1526	rVB2	2004	2888	0.29%	0.040%
35	10.798	1526	1532	1536	rBV	1107	2205	0.22%	0.031%
36	10.916	1547	1552	1553	rVB	1197	1647	0.16%	0.023%
37	10.939	1553	1556	1559	rBV	1610	1637	0.16%	0.023%
38	11.022	1567	1570	1573	rVB	1198	1118	0.11%	0.016%
39	11.069	1573	1578	1579	rBV2	1898	2048	0.20%	0.029%
40	11.110	1583	1585	1589	rVB	1970	2242	0.22%	0.031%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\R131007\
Data File : R34042.D
Acq On : 7 Oct 2013 2:42 pm
Operator : kristinr
Sample : op35125-mb
Misc : OP35125,MSR1238,20.89,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 2

Method : C:\msdchem\1\methods\R130628_8270+.m
Title : SW-864 Method 8270

41	11.151	1589	1592	1593	rBV	1870	1477	0.15%	0.021%
42	11.163	1593	1594	1598	rVV2	1613	1395	0.14%	0.020%
43	11.222	1602	1604	1610	rBV3	1335	2939	0.29%	0.041%
44	11.292	1614	1616	1620	rVB2	1112	1553	0.16%	0.022%
45	11.445	1620	1642	1666	rBV4	109553	688962	68.83%	9.632%
46	11.604	1666	1669	1670	rVV3	2140	2153	0.22%	0.030%
47	11.622	1670	1672	1677	rVB3	1798	2493	0.25%	0.035%
48	11.710	1685	1687	1690	rVB3	1506	1624	0.16%	0.023%
49	11.739	1690	1692	1694	rBV2	2728	2589	0.26%	0.036%
50	11.857	1707	1712	1715	rVB3	3149	4742	0.47%	0.066%
51	11.892	1715	1718	1722	rBV3	2753	3897	0.39%	0.054%
52	11.945	1722	1727	1738	rVV8	2656	9555	0.95%	0.134%
53	12.022	1739	1740	1743	rVB3	2368	1398	0.14%	0.020%
54	12.057	1743	1746	1751	rBV4	2843	4685	0.47%	0.066%
55	12.169	1759	1765	1779	rBV	652808	762597	76.19%	10.662%
56	12.257	1779	1780	1783	rBV3	2661	2540	0.25%	0.036%
57	12.286	1783	1785	1787	rVB3	2117	1719	0.17%	0.024%
58	12.310	1787	1789	1792	rBV4	3461	3479	0.35%	0.049%
59	12.345	1793	1795	1798	rVB2	3333	3009	0.30%	0.042%
60	12.392	1799	1803	1804	rVB4	3109	3523	0.35%	0.049%
61	12.427	1805	1809	1812	rBV6	2386	4037	0.40%	0.056%
62	12.551	1814	1830	1849	rBV3	264603	1000906	100.00%	13.994%
63	12.692	1851	1854	1859	rVB6	3711	7023	0.70%	0.098%
64	12.827	1875	1877	1882	rVB6	4314	4617	0.46%	0.065%
65	12.975	1900	1902	1904	rBV3	2482	1345	0.13%	0.019%
66	13.016	1908	1909	1915	rBV6	3510	4167	0.42%	0.058%
67	13.833	2043	2048	2066	rVB6	4919	16043	1.60%	0.224%
68	14.016	2076	2079	2085	rBV7	3886	9247	0.92%	0.129%
69	14.610	2178	2180	2184	rVB4	3855	3524	0.35%	0.049%
70	15.186	2271	2278	2293	rVB4	2250	7340	0.73%	0.103%

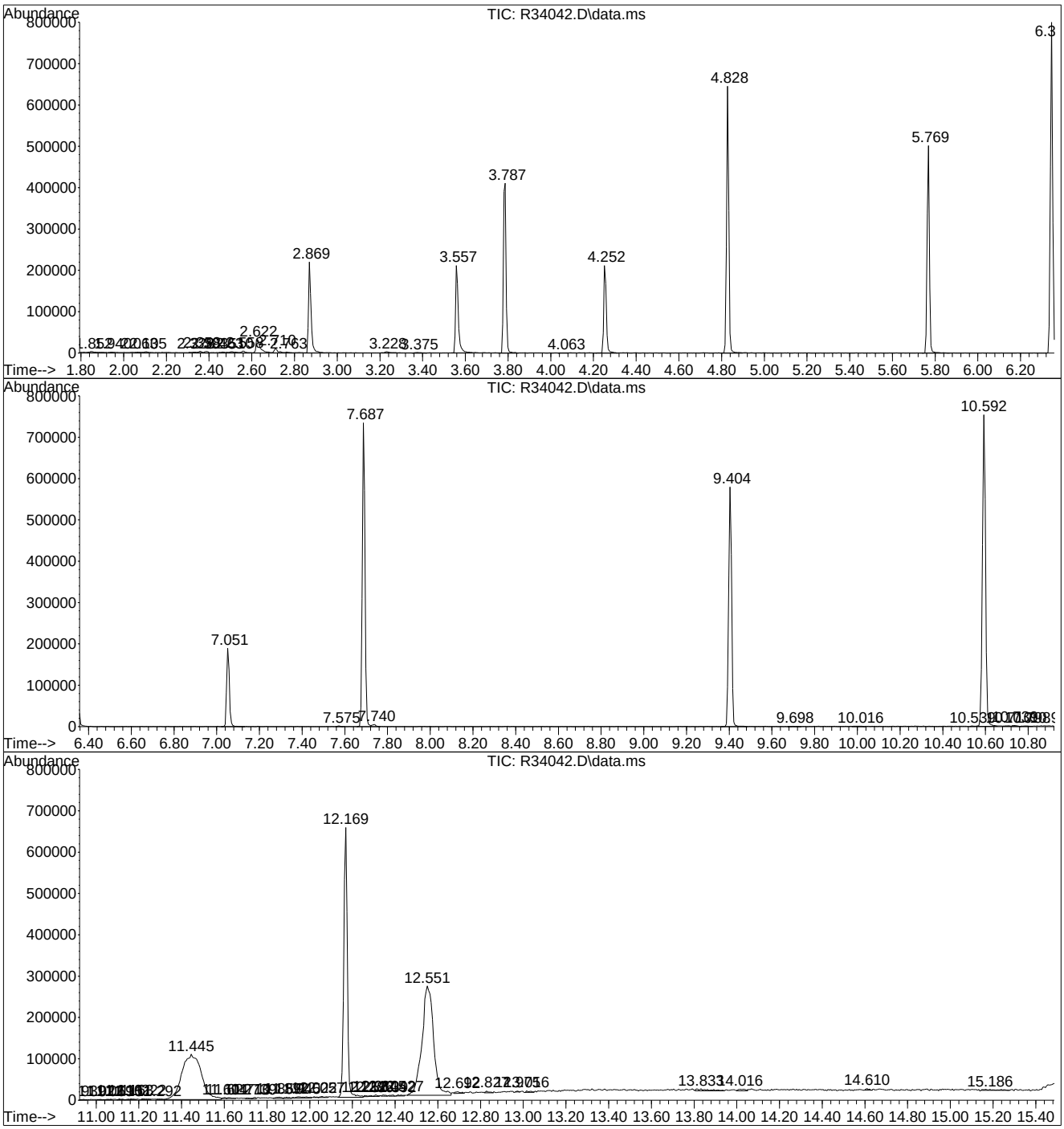
Sum of corrected areas: 7152631

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\R131007\
Data File : R34042.D
Acq On : 7 Oct 2013 2:42 pm
Operator : kristinr
Sample : op35125-mb
Misc : OP35125,MSR1238,20.89,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\R131007\
Data File : R34042.D
Acq On : 7 Oct 2013 2:42 pm
Operator : kristinr
Sample : op35125-mb
Misc : OP35125,MSR1238,20.89,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

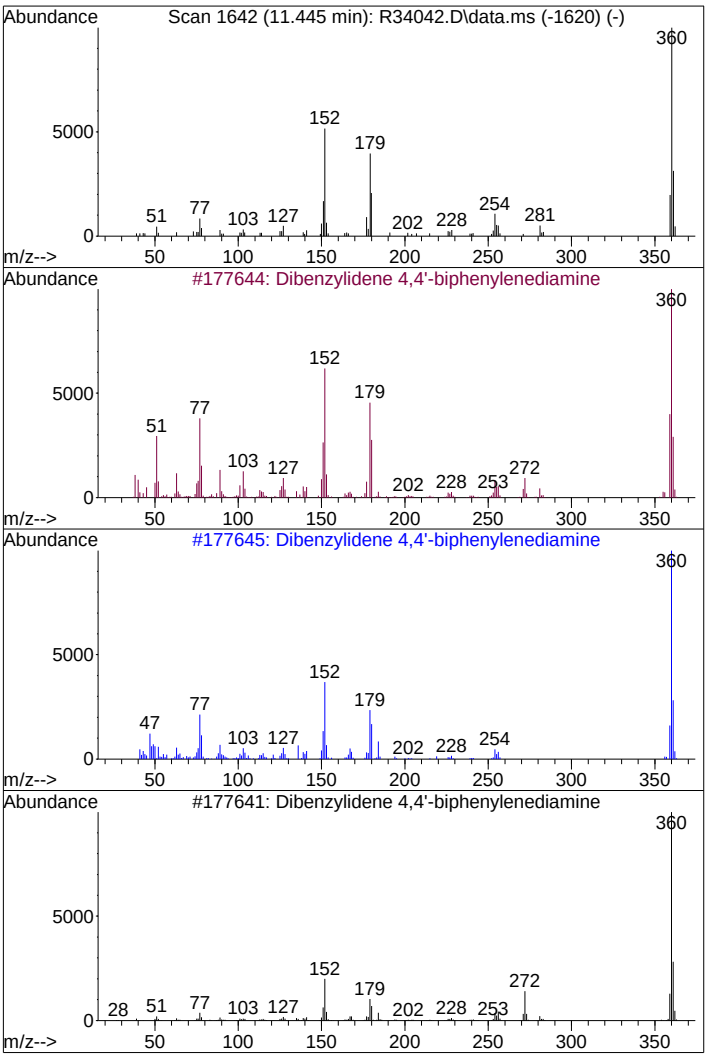
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

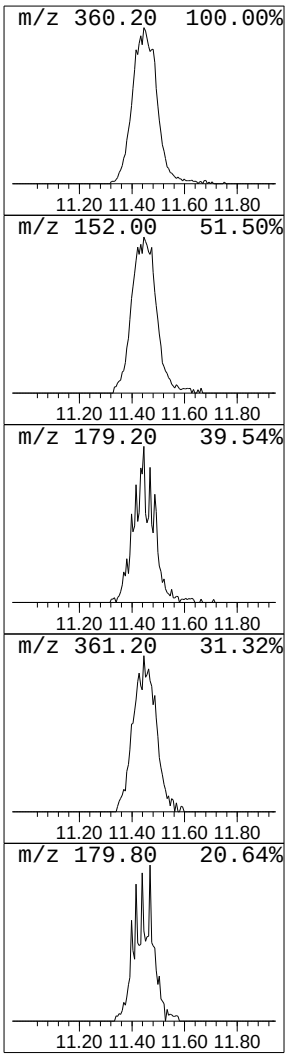
****

Peak Number 2 Dibenzylidene 4,4'-biphenyl... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.445	36.14 ppm	688962	Perylene-d12	12.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzylidene 4,4'-biphenylenedi...	360	C26H20N2	006311-48-4	83
2	Dibenzylidene 4,4'-biphenylenedi...	360	C26H20N2	006311-48-4	76
3	Dibenzylidene 4,4'-biphenylenedi...	360	C26H20N2	006311-48-4	49
4	1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	43
5	1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	43





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\R131007\
Data File : R34042.D
Acq On : 7 Oct 2013 2:42 pm
Operator : kristinr
Sample : op35125-mb
Misc : OP35125,MSR1238,20.89,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Dibenzylidene 4...	11.445	36.1	ppm	688962	11	12.169	762597	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 10/07/13 16:22

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R131007\
Data File : R34043.D
Acq On : 7 Oct 2013 3:05 pm
Operator : kristinr
Sample : op35125-bs
Misc : OP35125,MSR1238,20.90,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 07 16:13:09 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.787	152	65389	40.00	ppm	-0.02
21) 1,4-Dichlorobenzene-d4A	3.787	152	65389	40.00	PPM	-0.02
23) Naphthalene-d8	4.828	136	248015	40.00	ppm	-0.03
41) Naphthalene-d8a	4.828	136	248015	40.00	ppm	-0.03
43) Acenaphthene-d10	6.346	164	158064	40.00	ppm	-0.03
65) Acenaphthene-d10a	6.346	164	158064	40.00	ppm	-0.03
67) Phenanthrene-d10	7.692	188	273811	40.00	ppm	-0.03
80) Phenanthrene-d10a	7.692	188	273811	40.00	ppm	-0.03
82) Chrysene-d12	10.598	240	292514	40.00	ppm	-0.04
92) Perylene-d12	12.169	264	270236	40.00	ppm	-0.05
100) Naphthalene-d8b	4.828	136	248015	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.869	112	68026	34.32	ppm	-0.12
Spiked Amount 100.000	Range 30 - 130		Recovery = 34.32%			
7) Phenol-d5	3.557	99	86391	34.42	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 34.42%			
24) Nitrobenzene-d5	4.252	82	72800	30.72	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 61.44%			
48) 2-Fluorobiphenyl	5.769	172	178696	33.98	ppm	-0.05
Spiked Amount 50.000	Range 30 - 130		Recovery = 67.96%			
71) 2,4,6-Tribromophenol	7.057	330	27642	33.69	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 33.69%			
85) Terphenyl-d14	9.404	244	235913	37.68	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 75.36%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	1.946	74	39172	30.47	ug/l #	64
3) Pyridine	1.940	79	54301	23.23	ppm	66
4) Aniline	3.563	93	72149m	24.23	ppm	
6) bis(2-Chloroethyl)ether	3.605	63	52316	36.99	ppm	81
8) Phenol	3.569	94	109728	43.94	ppm	79
9) 2-Chlorophenol	3.657	128	78468	37.29	ppm	99
10) 1,3-Dichlorobenzene	3.757	146	78670	33.05	ppm	97
11) 1,4-Dichlorobenzene	3.799	146	82569	33.35	ppm	99
12) 1,2-Dichlorobenzene	3.946	146	80454	36.28	ppm	99
13) Benzyl alcohol	3.922	108	48777	36.05	ppm	93
14) bis(2-chloroisopropyl)...	4.040	45	116737	48.34	ppm	87
15) o-cresol	4.034	108	70441	38.91	ppm	81
16) Acetophenone	4.128	105	97928	32.77	ppm	95
17) Hexachloroethane	4.187	117	28299	30.64	ppm	98
18) N-Nitroso-di-n-propyla...	4.152	70	51823	36.91	ppm	84
19) m+p-cresols	4.152	108	151265m	76.29	ppm	
20) 4-methylphenol	4.152	108	149727m	75.52	ppm	
22) Benzaldehyde	3.457	77	32131m	19.92	ppm	
25) Nitrobenzene	4.269	77	75819	31.68	ppm	99
26) Isophorone	4.457	82	138509	34.76	ppm	99
27) 2-Nitrophenol	4.534	139	41440	36.36	ppm	98
28) 2,4-Dimethylphenol	4.581	107	76209	36.07	ppm	99
29) bis(2-Chloroethoxy)met...	4.646	93	83582	34.78	ppm	98
30) Benzoic acid	4.693	105	62409	40.43	ppm	97
31) 2,4-Dichlorophenol	4.734	162	71887	38.62	ppm	98
32) 1,2,4-Trichlorobenzene	4.799	180	75445	36.42	ppm	100
33) Naphthalene	4.846	128	315825	48.81	ppm	99
34) 2,6-Dichlorophenol	4.928	162	71810	38.94	ppm	96
35) 4-Chloroaniline	4.916	127	78918	29.38	ppm	100
36) Hexachlorobutadiene	4.999	225	44799	34.67	ppm	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R131007\
Data File : R34043.D
Acq On : 7 Oct 2013 3:05 pm
Operator : kristinr
Sample : op35125-bs
Misc : OP35125,MSR1238,20.90,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 07 16:13:09 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

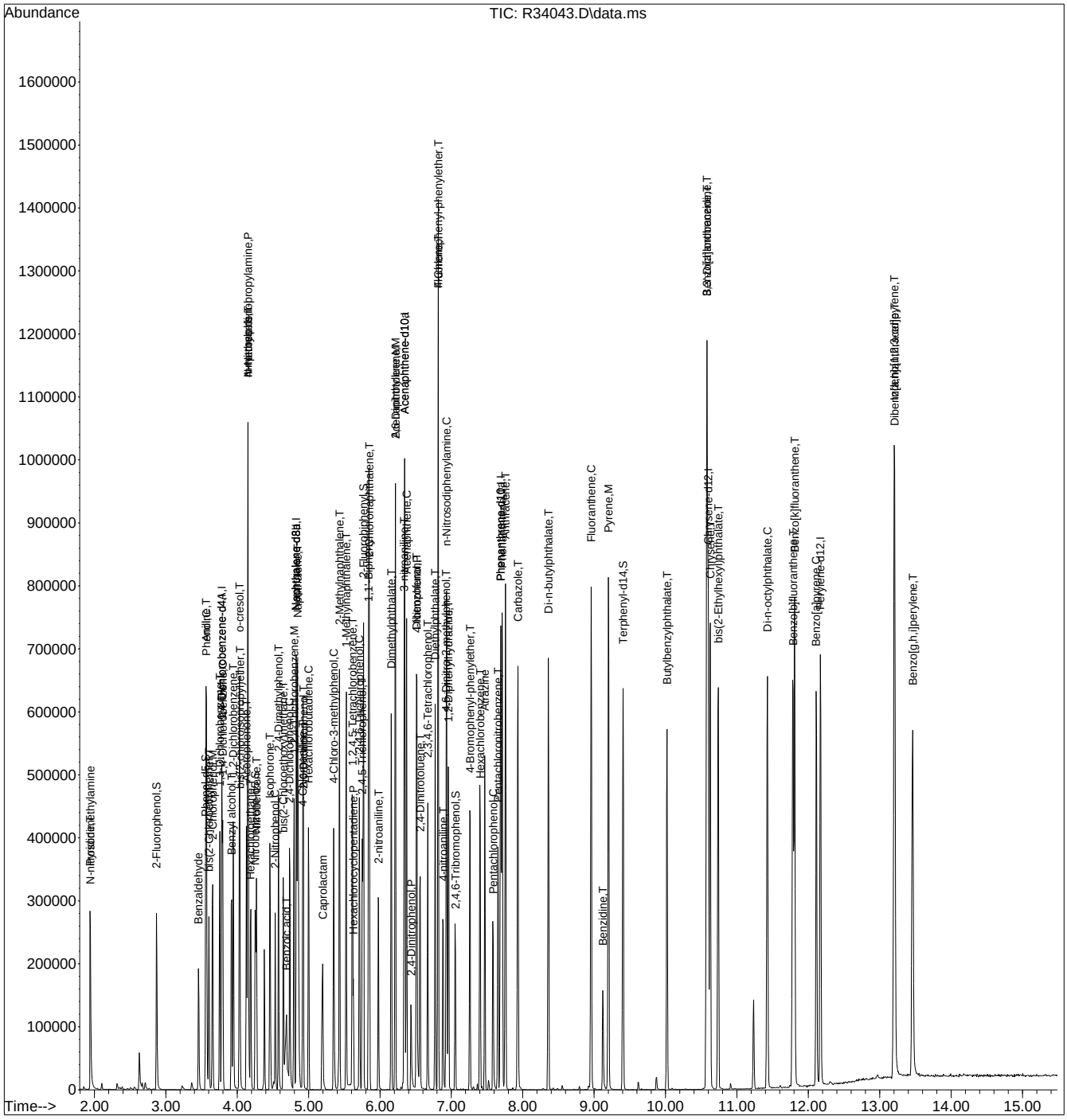
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	4-Chloro-3-methylphenol	5.351	107	69497	38.69	ppm		100
38)	2-Methylnaphthalene	5.434	142	150965	33.26	ppm		99
39)	1-Methylnaphthalene	5.528	142	149123m	33.81	ppm		
40)	1,2,4,5-Tetrachloroben...	5.616	216	82502	34.37	ppm		100
42)	Caprolactam	5.199	55	41928	43.28	ppm	#	100
44)	Pentachloronitrobenzene	7.651	237	25951m	38.65	ppm		
45)	Hexachlorocyclopentadiene	5.628	237	22025	14.23	ppm		98
46)	2,4,6-Trichlorophenol	5.710	196	58778m	40.08	ppm		
47)	2,4,5-Trichlorophenol	5.751	196	63367	41.00	ppm		99
49)	2-Chloronaphthalene	5.851	162	163057	38.65	ppm		99
50)	Acenaphthylene	6.216	152	227908	33.19	ppm		99
51)	Dimethylphthalate	6.157	163	200738	41.62	ppm		99
52)	2,4-Dinitrotoluene	6.563	165	62224	42.84	ppm		97
53)	Acenaphthene	6.375	153	163318	36.77	ppm		96
54)	2,4-Dinitrophenol	6.440	184	23342	30.95	ppm		89
55)	Dibenzofuran	6.510	168	228402	36.31	ppm		96
56)	2,6-Dinitrotoluene	6.216	165	44713	40.65	ppm		69
57)	4-Nitrophenol	6.516	65	28444	29.66	ppm	#	1
58)	2,3,4,6-Tetrachlorophenol	6.669	232	50603	38.31	ppm		99
59)	Fluorene	6.816	166	199640	39.47	ppm		98
60)	4-Chlorophenyl-phenyle...	6.816	204	100220	40.58	ppm		97
61)	Diethylphthalate	6.775	149	203907	42.44	ppm		98
62)	2-nitroaniline	5.981	138	56708	42.22	ppm		98
63)	3-nitroaniline	6.340	138	42488	35.53	ppm		97
64)	4-nitroaniline	6.887	138	45385	38.33	ppm		96
66)	1,1'-Biphenyl	5.840	154	193418	33.49	ppm	#	100
68)	4,6-Dinitro-2-methylph...	6.928	198	38930	38.92	ppm		100
69)	n-Nitrosodiphenylamine	6.934	169	141761	39.71	ppm		96
70)	1,2-Diphenylhydrazine	6.957	77	164481m	35.43	ppm		
72)	4-Bromophenyl-phenylether	7.263	248	60611	41.02	ppm		93
73)	Hexachlorobenzene	7.404	284	65002	38.88	ppm		91
74)	Pentachlorophenol	7.587	266	33679	31.07	ppm		99
75)	Phenanthrene	7.710	178	308904	41.76	ppm		99
76)	Anthracene	7.757	178	305187	40.21	ppm		99
77)	Carbazole	7.934	167	281290	41.59	ppm		100
78)	Di-n-butylphthalate	8.357	149	344947	42.13	ppm		99
79)	Fluoranthene	8.957	202	340919	43.68	ppm		98
81)	Atrazine	7.469	200	56561m	42.23	ppm		
83)	Benzidine	9.122	184	69577	25.98	ppm		99
84)	Pyrene	9.198	202	351846	42.09	ppm		97
87)	Butylbenzylphthalate	10.022	149	147596	42.68	ppm		96
88)	3,3'-Dichlorobenzidine	10.581	252	117905	38.68	ppm		97
89)	Benzo[a]anthracene	10.581	228	324038	42.85	ppm		99
90)	Chrysene	10.628	228	308479	41.02	ppm		100
91)	bis(2-Ethylhexyl)phtha...	10.739	149	215359	41.95	ppm		99
93)	Di-n-octylphthalate	11.428	149	369770	46.48	ppm		100
94)	Benzo[b]fluoranthene	11.786	252	368710	47.61	ppm		99
95)	Benzo[k]fluoranthene	11.810	252	285714	37.86	ppm		97
96)	Benzo[a]pyrene	12.110	252	274169	40.17	ppm		98
97)	Indeno[1,2,3-cd]pyrene	13.204	276	372581m	43.73	ppm		
98)	Dibenz[a,h]anthracene	13.210	278	305718m	44.44	ppm		
99)	Benzo[g,h,i]perylene	13.463	276	314100	44.39	ppm		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R131007\
Data File : R34043.D
Acq On : 7 Oct 2013 3:05 pm
Operator : kristinr
Sample : op35125-bs
Misc : OP35125,MSR1238,20.90,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 07 16:13:09 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24849

Manual Integrations APPROVED
(compounds with "m" flag)
Kristin Renault
10/07/13 17:23

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R131007\
Data File : R34046.D
Acq On : 7 Oct 2013 4:13 pm
Operator : kristinr
Sample : op35125-ms
Misc : OP35125,MSR1238,20.47,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 07 16:32:35 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.787	152	65667	40.00	ppm	-0.02
21) 1,4-Dichlorobenzene-d4A	3.787	152	65667	40.00	PPM	-0.02
23) Naphthalene-d8	4.828	136	250016	40.00	ppm	-0.03
41) Naphthalene-d8a	4.828	136	250016	40.00	ppm	-0.03
43) Acenaphthene-d10	6.346	164	157577	40.00	ppm	-0.03
65) Acenaphthene-d10a	6.346	164	157577	40.00	ppm	-0.03
67) Phenanthrene-d10	7.692	188	275694	40.00	ppm	-0.03
80) Phenanthrene-d10a	7.692	188	275694	40.00	ppm	-0.03
82) Chrysene-d12	10.598	240	311816	40.00	ppm	-0.04
92) Perylene-d12	12.175	264	309279	40.00	ppm	-0.05
100) Naphthalene-d8b	4.828	136	250016	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.875	112	50071	25.15	ppm	-0.11
Spiked Amount 100.000	Range 30 - 130		Recovery = 25.15%#			
7) Phenol-d5	3.563	99	66550	26.40	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 26.40%#			
24) Nitrobenzene-d5	4.252	82	54298	22.73	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 45.46%			
48) 2-Fluorobiphenyl	5.769	172	139608	26.63	ppm	-0.05
Spiked Amount 50.000	Range 30 - 130		Recovery = 53.26%			
71) 2,4,6-Tribromophenol	7.057	330	24777	29.99	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 29.99%#			
85) Terphenyl-d14	9.404	244	200272	30.00	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 60.00%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	1.952	74	28138	21.80	ug/l #	66
3) Pyridine	1.952	79	29651	12.63	ppm	72
4) Aniline	3.569	93	54124	18.10	ppm #	1
6) bis(2-Chloroethyl)ether	3.605	63	38535	27.13	ppm	82
8) Phenol	3.575	94	82148	32.76	ppm	88
9) 2-Chlorophenol	3.657	128	58846	27.84	ppm	99
10) 1,3-Dichlorobenzene	3.757	146	56555	23.66	ppm	98
11) 1,4-Dichlorobenzene	3.799	146	61638	24.79	ppm	97
12) 1,2-Dichlorobenzene	3.946	146	57414	25.78	ppm	97
13) Benzyl alcohol	3.922	108	37498	27.60	ppm	96
14) bis(2-chloroisopropyl)...	4.040	45	87139	35.93	ppm	99
15) o-cresol	4.034	108	53594	29.48	ppm	79
16) Acetophenone	4.128	105	73424	24.47	ppm	95
17) Hexachloroethane	4.187	117	21293	22.96	ppm	96
18) N-Nitroso-di-n-propyla...	4.152	70	38789	27.51	ppm	81
19) m+p-cresols	4.152	108	115760m	58.13	ppm	
20) 4-methylphenol	4.152	108	115925m	58.23	ppm	
22) Benzaldehyde	3.457	77	23120m	14.27	ppm	
25) Nitrobenzene	4.269	77	56585	23.46	ppm	100
26) Isophorone	4.457	82	108105	26.91	ppm	99
27) 2-Nitrophenol	4.534	139	31568	27.47	ppm	96
28) 2,4-Dimethylphenol	4.581	107	60635	28.47	ppm	94
29) bis(2-Chloroethoxy)met...	4.646	93	63433	26.19	ppm	98
30) Benzoic acid	4.687	105	46723	31.26	ppm	94
31) 2,4-Dichlorophenol	4.740	162	58518	31.19	ppm	99
32) 1,2,4-Trichlorobenzene	4.799	180	58314	27.93	ppm	98
33) Naphthalene	4.846	128	244707	37.52	ppm	98
34) 2,6-Dichlorophenol	4.928	162	56946	30.64	ppm	97
35) 4-Chloroaniline	4.922	127	57200	21.13	ppm	100
36) Hexachlorobutadiene	4.999	225	34472	26.47	ppm	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R131007\
Data File : R34046.D
Acq On : 7 Oct 2013 4:13 pm
Operator : kristinr
Sample : op35125-ms
Misc : OP35125,MSR1238,20.47,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 07 16:32:35 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

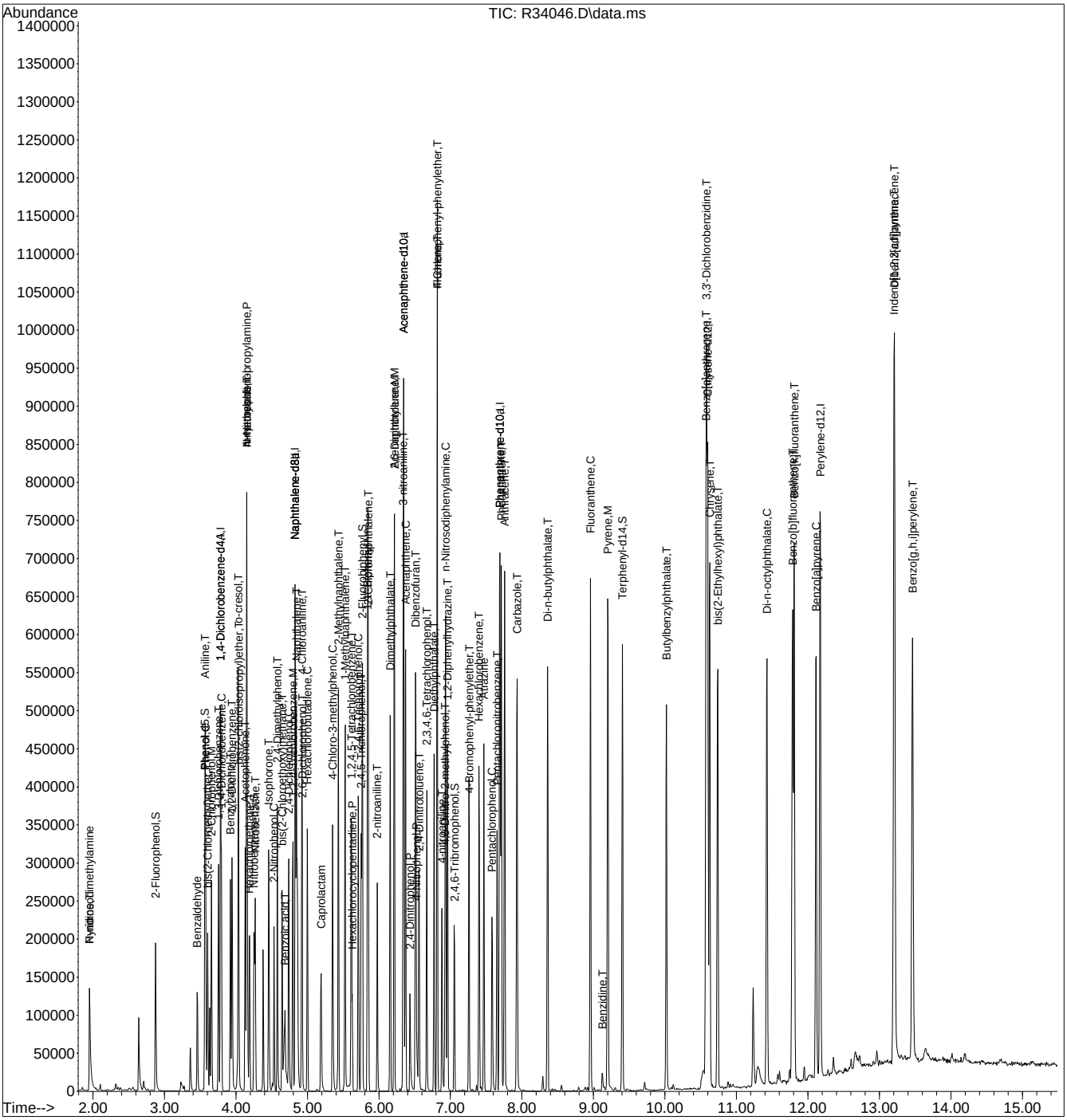
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Chloro-3-methylphenol	5.351	107	57767	31.90	ppm		99
38) 2-Methylnaphthalene	5.434	142	116427	25.44	ppm		96
39) 1-Methylnaphthalene	5.528	142	114962m	25.86	ppm		
40) 1,2,4,5-Tetrachloroben...	5.616	216	64007	26.45	ppm		100
42) Caprolactam	5.193	55	31998	33.20	ppm	#	100
44) Pentachloronitrobenzene	7.651	237	21650m	32.35	ppm		
45) Hexachlorocyclopentadiene	5.628	237	15165	9.83	ppm		97
46) 2,4,6-Trichlorophenol	5.710	196	47229m	32.30	ppm		
47) 2,4,5-Trichlorophenol	5.751	196	54032	35.07	ppm		97
49) 2-Chloronaphthalene	5.851	162	129879	30.88	ppm		97
50) Acenaphthylene	6.216	152	187243	27.36	ppm		98
51) Dimethylphthalate	6.157	163	162135	33.72	ppm		99
52) 2,4-Dinitrotoluene	6.563	165	52331	36.14	ppm		89
53) Acenaphthene	6.375	153	132027	29.82	ppm		98
54) 2,4-Dinitrophenol	6.434	184	20252	26.93	ppm		94
55) Dibenzofuran	6.510	168	186199	29.69	ppm		97
56) 2,6-Dinitrotoluene	6.216	165	35710	32.57	ppm		74
57) 4-Nitrophenol	6.522	65	28632m	29.95	ppm		
58) 2,3,4,6-Tetrachlorophenol	6.669	232	44056	33.45	ppm		98
59) Fluorene	6.816	166	163514	32.42	ppm		100
60) 4-Chlorophenyl-phenyle...	6.816	204	81643	33.16	ppm		99
61) Diethylphthalate	6.775	149	166706	34.81	ppm		98
62) 2-nitroaniline	5.975	138	46519	34.74	ppm		83
63) 3-nitroaniline	6.340	138	34974	29.33	ppm		98
64) 4-nitroaniline	6.881	138	37008	31.35	ppm		87
66) 1,1'-Biphenyl	5.840	154	151284	26.28	ppm	#	100
68) 4,6-Dinitro-2-methylph...	6.922	198	32004	32.45	ppm		100
69) n-Nitrosodiphenylamine	6.934	169	120406	33.50	ppm		99
70) 1,2-Diphenylhydrazine	6.957	77	138751	29.68	ppm		98
72) 4-Bromophenyl-phenylether	7.263	248	52009	34.96	ppm		87
73) Hexachlorobenzene	7.398	284	53813	31.97	ppm		98
74) Pentachlorophenol	7.581	266	30211	27.68	ppm		98
75) Phenanthrene	7.710	178	261796	35.15	ppm		99
76) Anthracene	7.757	178	258688	33.85	ppm		98
77) Carbazole	7.934	167	240133	35.27	ppm		98
78) Di-n-butylphthalate	8.357	149	292941	35.54	ppm		99
79) Fluoranthene	8.957	202	289609	36.85	ppm		97
81) Atrazine	7.469	200	49348m	36.59	ppm		
83) Benzidine	9.128	184	10882	3.81	ppm		96
84) Pyrene	9.198	202	299261	33.58	ppm		96
87) Butylbenzylphthalate	10.022	149	132629	35.98	ppm		96
88) 3,3'-Dichlorobenzidine	10.581	252	87874	27.66	ppm		99
89) Benzo[a]anthracene	10.575	228	291621	36.18	ppm		99
90) Chrysene	10.628	228	273316	34.10	ppm		99
91) bis(2-Ethylhexyl)phtha...	10.739	149	193609m	35.67	ppm		
93) Di-n-octylphthalate	11.428	149	329751	37.29	ppm		99
94) Benzo[b]fluoranthene	11.786	252	338317m	38.17	ppm		
95) Benzo[k]fluoranthene	11.810	252	259251	30.02	ppm		97
96) Benzo[a]pyrene	12.116	252	257669	32.99	ppm		97
97) Indeno[1,2,3-cd]pyrene	13.204	276	357015m	36.61	ppm		
98) Dibenz[a,h]anthracene	13.210	278	294432m	37.39	ppm		
99) Benzo[g,h,i]perylene	13.463	276	300099	37.06	ppm		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R131007\
Data File : R34046.D
Acq On : 7 Oct 2013 4:13 pm
Operator : kristinr
Sample : op35125-ms
Misc : OP35125,MSR1238,20.47,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 07 16:32:35 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24849

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Renault 10/07/13 17:23

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R131007\
Data File : R34047.D
Acq On : 7 Oct 2013 4:36 pm
Operator : kristinr
Sample : op35125-msd
Misc : OP35125,MSR1238,20.45,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 07 17:20:49 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.787	152	61788	40.00	ppm	-0.02
21) 1,4-Dichlorobenzene-d4A	3.787	152	61788	40.00	PPM	-0.02
23) Naphthalene-d8	4.828	136	231376	40.00	ppm	-0.03
41) Naphthalene-d8a	4.828	136	231376	40.00	ppm	-0.03
43) Acenaphthene-d10	6.345	164	147172	40.00	ppm	-0.03
65) Acenaphthene-d10a	6.345	164	147172	40.00	ppm	-0.03
67) Phenanthrene-d10	7.692	188	258141	40.00	ppm	-0.03
80) Phenanthrene-d10a	7.692	188	258141	40.00	ppm	-0.03
82) Chrysene-d12	10.598	240	286691	40.00	ppm	-0.04
92) Perylene-d12	12.169	264	290944	40.00	ppm	-0.05
100) Naphthalene-d8b	4.828	136	231376	40.00	ug/mL	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.875	112	41222	22.01	ppm	-0.11
Spiked Amount 100.000	Range 30 - 130		Recovery = 22.01%#			
7) Phenol-d5	3.557	99	55665	23.47	ppm	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 23.47%#			
24) Nitrobenzene-d5	4.251	82	45249	20.47	ppm	-0.08
Spiked Amount 50.000	Range 30 - 130		Recovery = 40.94%			
48) 2-Fluorobiphenyl	5.769	172	120480	24.61	ppm	-0.05
Spiked Amount 50.000	Range 30 - 130		Recovery = 49.22%			
71) 2,4,6-Tribromophenol	7.057	330	24484	31.65	ppm	-0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 31.65%			
85) Terphenyl-d14	9.404	244	212258	34.59	ppm	-0.09
Spiked Amount 50.000	Range 30 - 130		Recovery = 69.18%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	1.940	74	22909	18.86	ug/l #	81
3) Pyridine	1.946	79	20445	9.26	ppm	76
4) Aniline	3.563	93	46133m	16.39	ppm	
6) bis(2-Chloroethyl)ether	3.604	63	31446	23.53	ppm #	79
8) Phenol	3.569	94	66821	28.32	ppm	77
9) 2-Chlorophenol	3.657	128	49091	24.69	ppm	99
10) 1,3-Dichlorobenzene	3.757	146	41181	18.31	ppm	99
11) 1,4-Dichlorobenzene	3.799	146	43727	18.69	ppm	99
12) 1,2-Dichlorobenzene	3.946	146	43954	20.98	ppm	98
13) Benzyl alcohol	3.916	108	31820	24.89	ppm	96
14) bis(2-chloroisopropyl)...	4.040	45	70010	30.68	ppm	94
15) o-cresol	4.034	108	46539	27.21	ppm	86
16) Acetophenone	4.128	105	62093	21.99	ppm	97
17) Hexachloroethane	4.193	117	15307	17.54	ppm	75
18) N-Nitroso-di-n-propyla...	4.151	70	33285	25.09	ppm	84
19) m+p-cresols	4.151	108	100169m	53.46	ppm	
20) 4-methylphenol	4.151	108	99428m	53.07	ppm	
22) Benzaldehyde	3.457	77	19282m	12.65	ppm	
25) Nitrobenzene	4.269	77	46101	20.65	ppm	99
26) Isophorone	4.457	82	95695	25.74	ppm	98
27) 2-Nitrophenol	4.534	139	26480	24.90	ppm	98
28) 2,4-Dimethylphenol	4.581	107	53815	27.31	ppm	99
29) bis(2-Chloroethoxy)met...	4.646	93	56691	25.29	ppm	98
30) Benzoic acid	4.687	105	42920	31.07	ppm	96
31) 2,4-Dichlorophenol	4.740	162	51253	29.52	ppm	97
32) 1,2,4-Trichlorobenzene	4.798	180	47565	24.61	ppm	98
33) Naphthalene	4.845	128	203191	33.66	ppm	99
34) 2,6-Dichlorophenol	4.928	162	48453	28.17	ppm	94
35) 4-Chloroaniline	4.916	127	56472	22.54	ppm	100
36) Hexachlorobutadiene	4.998	225	26801	22.23	ppm	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R131007\
Data File : R34047.D
Acq On : 7 Oct 2013 4:36 pm
Operator : kristinr
Sample : op35125-msd
Misc : OP35125,MSR1238,20.45,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 07 17:20:49 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

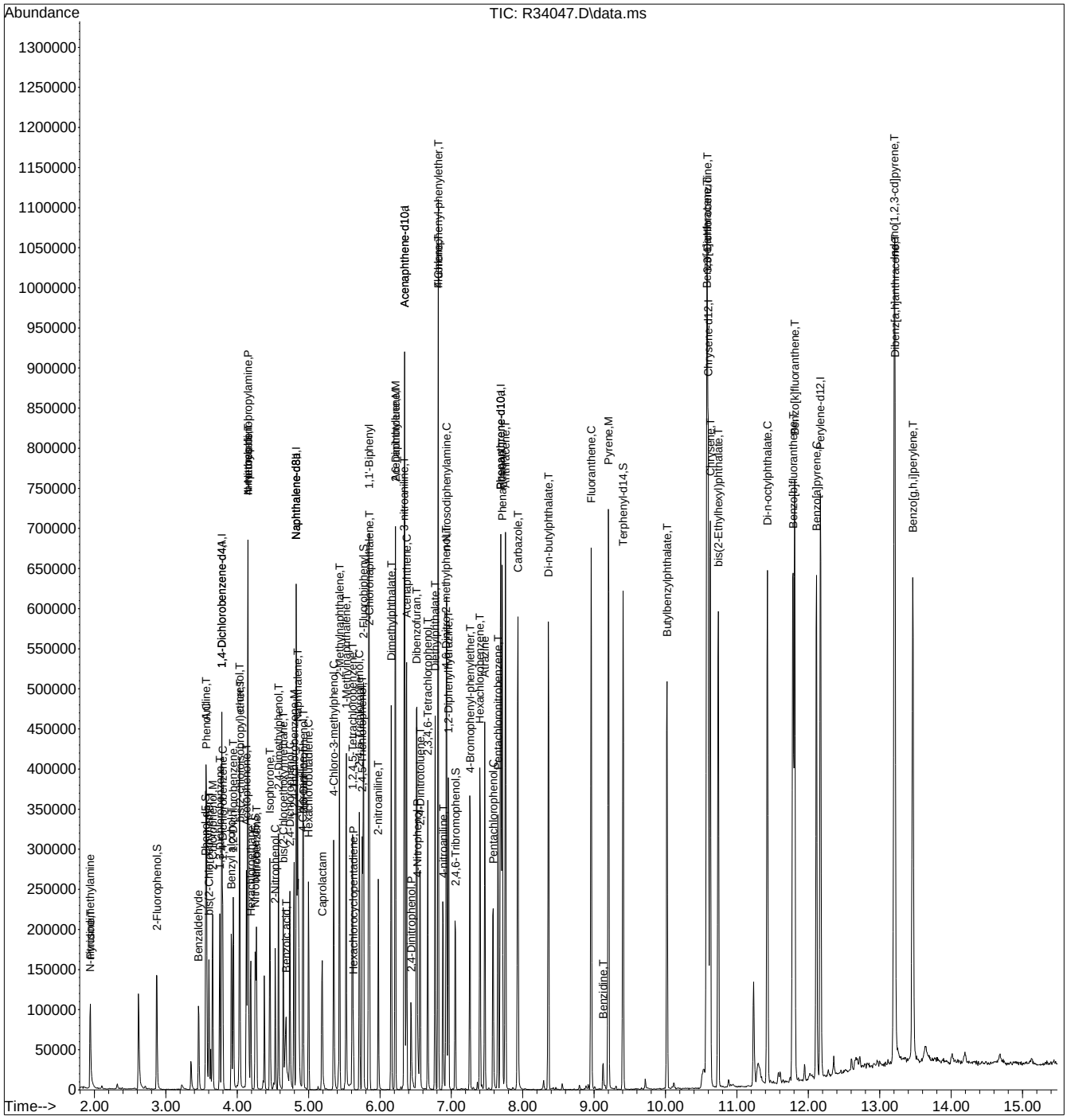
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	4-Chloro-3-methylphenol	5.351	107	52223	31.17	ppm		99
38)	2-Methylnaphthalene	5.434	142	101121	23.88	ppm		99
39)	1-Methylnaphthalene	5.528	142	96513m	23.46	ppm		
40)	1,2,4,5-Tetrachloroben...	5.616	216	53751	24.00	ppm		96
42)	Caprolactam	5.193	55	32458	36.22	ppm	#	100
44)	Pentachloronitrobenzene	7.651	237	21431m	34.28	ppm		
45)	Hexachlorocyclopentadiene	5.628	237	10007	6.94	ppm		93
46)	2,4,6-Trichlorophenol	5.710	196	42619m	31.21	ppm		
47)	2,4,5-Trichlorophenol	5.751	196	50679	35.22	ppm		98
49)	2-Chloronaphthalene	5.851	162	111542	28.39	ppm		99
50)	Acenaphthylene	6.216	152	167292	26.17	ppm		99
51)	Dimethylphthalate	6.157	163	156676	34.89	ppm		99
52)	2,4-Dinitrotoluene	6.563	165	51851	38.34	ppm		96
53)	Acenaphthene	6.375	153	122299	29.57	ppm		97
54)	2,4-Dinitrophenol	6.439	184	18502	26.35	ppm		93
55)	Dibenzofuran	6.510	168	171364	29.26	ppm		95
56)	2,6-Dinitrotoluene	6.216	165	33840	33.04	ppm		70
57)	4-Nitrophenol	6.522	65	25261	28.29	ppm	#	67
58)	2,3,4,6-Tetrachlorophenol	6.669	232	41166	33.47	ppm		100
59)	Fluorene	6.816	166	155772	33.07	ppm		99
60)	4-Chlorophenyl-phenyle...	6.816	204	75603	32.88	ppm		96
61)	Diethylphthalate	6.775	149	164932	36.87	ppm		99
62)	2-nitroaniline	5.975	138	45611	36.47	ppm		87
63)	3-nitroaniline	6.340	138	36765	33.02	ppm		96
64)	4-nitroaniline	6.887	138	39155	35.51	ppm		89
66)	1,1'-Biphenyl	5.845	154	135384	25.18	ppm	#	100
68)	4,6-Dinitro-2-methylph...	6.928	198	32204	34.60	ppm		100
69)	n-Nitrosodiphenylamine	6.934	169	115730	34.39	ppm		99
70)	1,2-Diphenylhydrazine	6.957	77	129284	29.54	ppm		96
72)	4-Bromophenyl-phenylether	7.263	248	48126	34.55	ppm		91
73)	Hexachlorobenzene	7.398	284	52794	33.50	ppm		96
74)	Pentachlorophenol	7.586	266	30795	30.13	ppm		96
75)	Phenanthrene	7.710	178	260202	37.31	ppm		99
76)	Anthracene	7.757	178	260609	36.42	ppm		98
77)	Carbazole	7.934	167	249192	39.09	ppm		98
78)	Di-n-butylphthalate	8.357	149	307621	39.85	ppm		100
79)	Fluoranthene	8.957	202	307957	41.85	ppm		98
81)	Atrazine	7.469	200	50130m	39.70	ppm		
83)	Benzidine	9.128	184	14988	5.71	ppm		92
84)	Pyrene	9.198	202	321121	39.19	ppm		97
87)	Butylbenzylphthalate	10.022	149	140380	41.42	ppm		96
88)	3,3'-Dichlorobenzidine	10.586	252	98916	33.40	ppm		99
89)	Benzo[a]anthracene	10.580	228	315213	42.53	ppm		99
90)	Chrysene	10.627	228	294548	39.96	ppm		99
91)	bis(2-Ethylhexyl)phtha...	10.739	149	203266	40.47	ppm		99
93)	Di-n-octylphthalate	11.427	149	357662	42.25	ppm		99
94)	Benzo[b]fluoranthene	11.786	252	363643	43.61	ppm		97
95)	Benzo[k]fluoranthene	11.810	252	286718	35.29	ppm		98
96)	Benzo[a]pyrene	12.116	252	282135	38.40	ppm		98
97)	Indeno[1,2,3-cd]pyrene	13.204	276	385722m	42.05	ppm		
98)	Dibenz[a,h]anthracene	13.216	278	315834m	42.64	ppm		
99)	Benzo[g,h,i]perylene	13.463	276	322066	42.28	ppm		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R131007\
Data File : R34047.D
Acq On : 7 Oct 2013 4:36 pm
Operator : kristinr
Sample : op35125-msd
Misc : OP35125,MSR1238,20.45,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 07 17:20:49 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

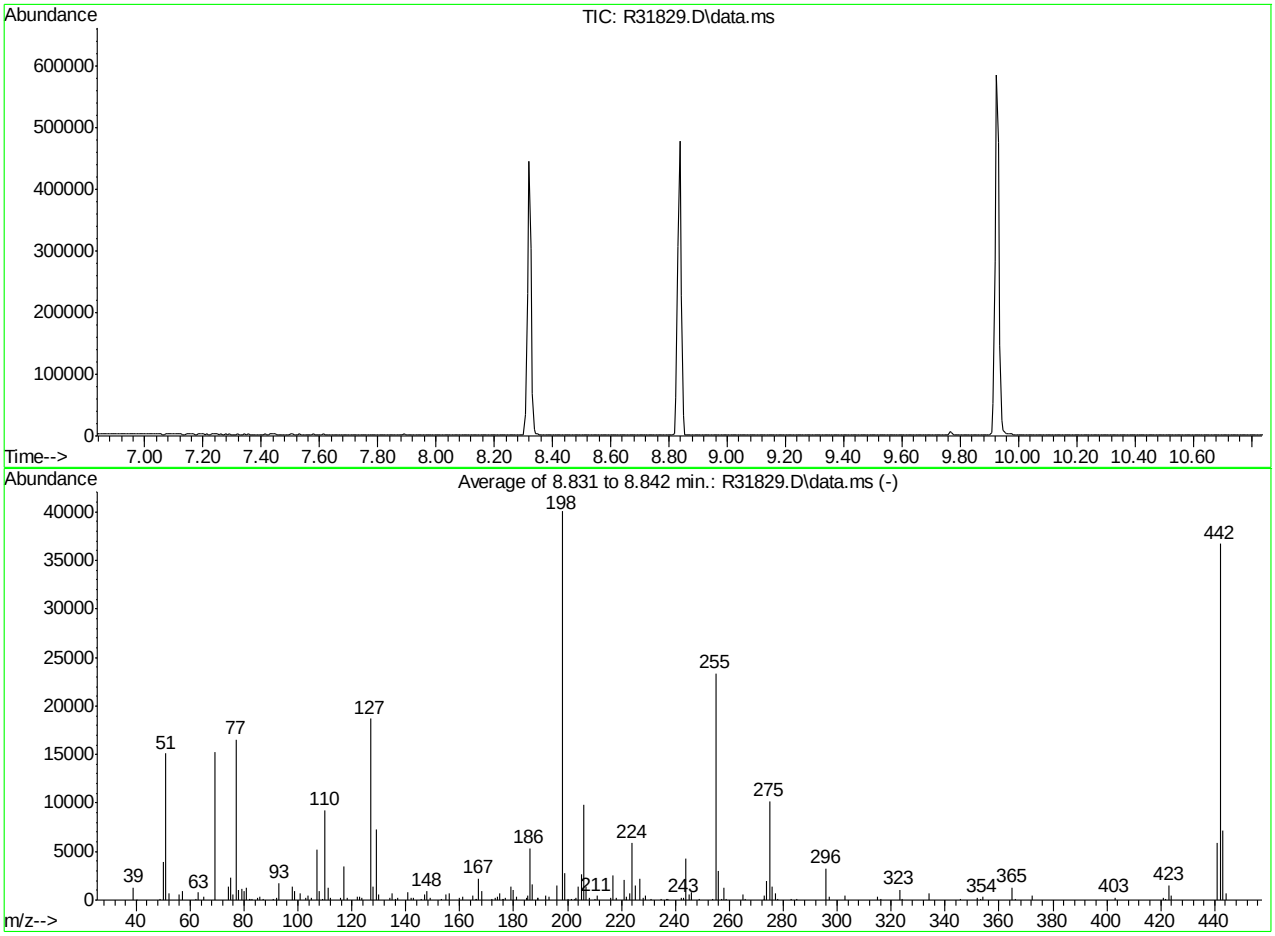


ACCUTEST LABORATORIES MC24849

DFTPP

Data File : C:\msdchem\1\data\R130628\R31829.D Vial: 99
Acq On : 28 Jun 2013 7:25 pm Operator: kristinr
Sample : DFTPP Inst : MSR
Misc : op33699,msr1159,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\2\METHODS\DFTPP.m (RTE Integrator)
Title : DFTPP and Tune Evaluation



Spectrum Information: Average of 8.831 to 8.842 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.7	15081	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	38.1	15275	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	46.7	18690	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	40043	PASS
199	198	5	9	6.8	2731	PASS
275	198	10	30	25.4	10188	PASS
365	198	1	100	3.2	1276	PASS
441	443	0.01	100	81.2	5840	PASS
442	198	40	100	91.6	36685	PASS
443	442	17	23	19.6	7191	PASS

R31829.D DFTPP.m Mon Jul 08 17:11:43 2013

Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
39.05	1310	69.00	15275	83.00	125	103.90	469
39.90	15	74.05	1364	84.85	232	104.95	253
48.90	101	75.05	2357	85.95	324	107.00	5237
50.00	3927	76.00	571	87.00	105	107.95	955
51.05	15081	77.10	16543	90.90	154	109.20	107
52.00	693	78.05	1013	92.05	225	110.00	9249
55.95	591	79.00	1106	92.95	1738	111.00	1323
56.95	934	80.00	876	97.95	1365	112.05	277
62.00	99	80.95	1229	98.90	926	115.95	235
63.00	765	81.90	169	101.00	672	117.00	3481
64.90	319	82.10	85	102.85	208	118.05	267

Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
122.00	382	140.90	858	161.00	320	176.10	124
122.95	355	141.95	229	165.00	454	176.95	278
123.85	237	142.95	238	166.00	107	179.00	1443
127.00	18690	145.90	92	166.20	129	179.95	1037
128.00	1429	146.90	558	167.00	2217	180.95	323
129.00	7300	147.95	942	168.00	972	184.80	190
130.00	541	148.95	231	171.90	85	185.05	515
134.00	227	153.00	110	173.00	208	186.00	5361
135.00	655	155.05	576	173.85	342	187.05	1660
136.10	120	156.05	672	175.00	683	188.90	210
136.95	198	159.95	253	175.90	85	189.10	186

Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
192.00	455	206.10	9769	222.95	673	243.05	259
193.00	375	207.00	1406	224.00	5859	244.00	4258
196.00	1497	208.00	232	225.05	1455	245.00	623
198.00	40043	210.00	130	226.95	2227	245.95	851
198.90	2731	210.95	422	228.05	270	249.00	161
200.00	152	216.05	231	228.95	492	253.80	95
201.30	121	217.00	2552	231.00	91	255.00	23355
202.70	91	218.00	274	234.80	116	256.00	3050
203.00	286	221.00	2085	236.80	114	257.00	142
204.00	1371	221.70	350	237.00	86	257.95	1267
205.00	2672	221.90	95	242.05	234	258.90	88

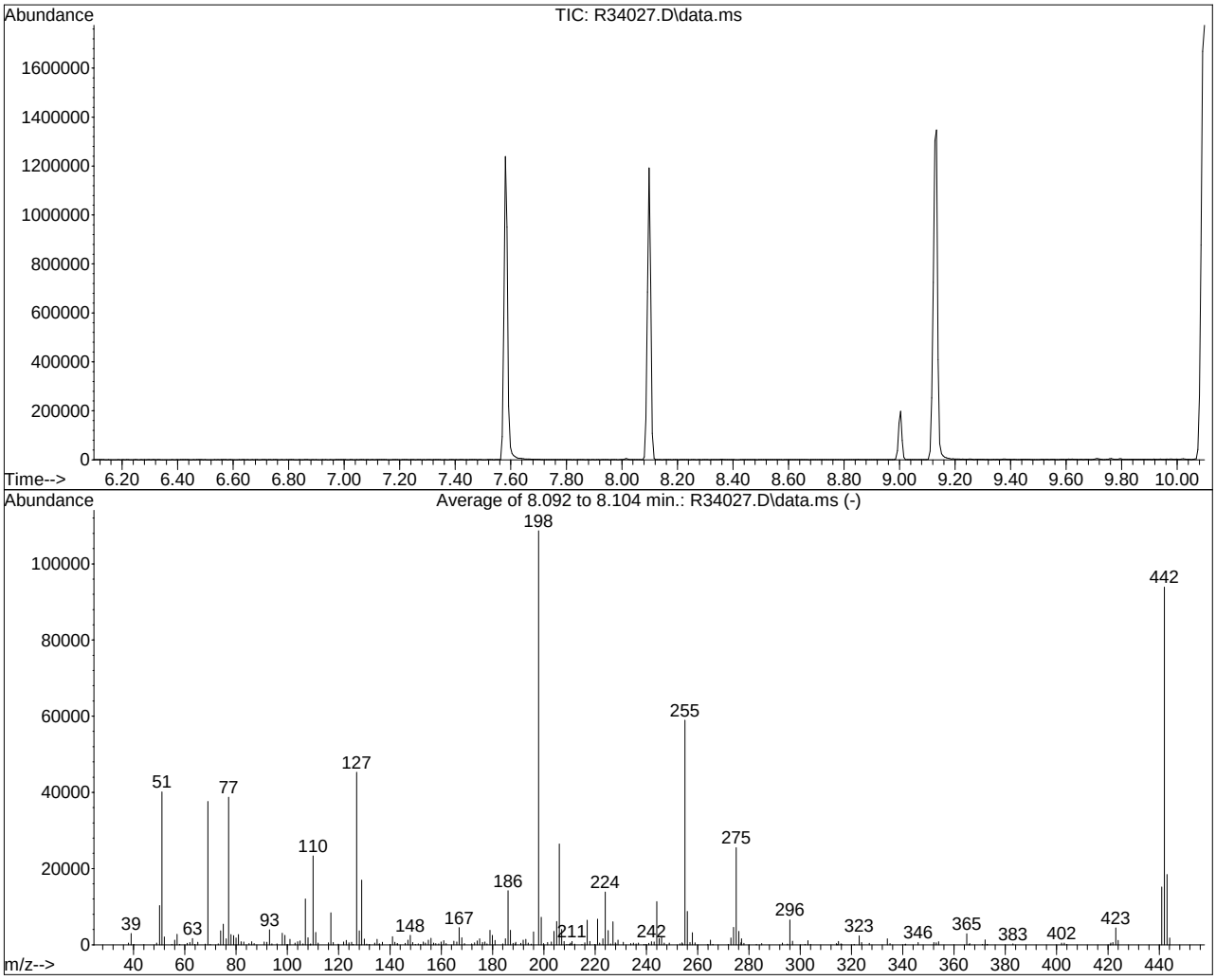
Average of 8.831 to 8.842 min.: R31829.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
264.95	560	296.00	3253	353.95	300	443.00	7191
266.00	87	297.00	359	364.95	1276	444.05	691
272.90	164	303.00	453	366.00	95		
273.05	518	315.00	388	372.10	514		
273.95	1963	316.00	100	403.05	273		
275.00	10188	323.05	1098	421.00	236		
276.00	1401	324.00	106	421.80	108		
276.95	753	334.00	649	423.05	1554		
277.90	108	345.80	123	423.95	442		
282.90	92	351.95	256	441.00	5840		
285.00	87	353.10	128	442.10	36685		

DFTPP

Data File : C:\msdchem\1\data\R131007\R34027.D Vial: 99
Acq On : 7 Oct 2013 8:51 am Operator: kristinr
Sample : dftpp Inst : MSR
Misc : OP35063,MSR1238,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\2\METHODS\DFTPP.m (RTE Integrator)
Title : DFTPP and Tune Evaluation



Spectrum Information: Average of 8.092 to 8.104 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.9	40115	PASS
68	69	0.00	2	0.6	210	PASS
69	198	0.00	100	34.6	37611	PASS
70	69	0.00	2	0.3	117	PASS
127	198	40	60	41.7	45283	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	108651	PASS
199	198	5	9	6.7	7246	PASS
275	198	10	30	23.5	25517	PASS
365	198	1	100	2.7	2904	PASS
441	443	0.01	100	82.2	15183	PASS
442	198	40	100	86.5	93931	PASS
443	442	17	23	19.7	18480	PASS

R34027.D DFTPP.m Mon Oct 07 14:58:36 2013

Average of 8.092 to 8.104 min.: R34027.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.05	471	58.00	95	75.00	5401	87.00	323
39.10	2985	60.95	410	76.10	1564	91.00	741
40.10	89	61.95	591	77.10	38712	92.00	657
44.00	54	63.00	1666	78.05	2686	93.00	3918
48.95	474	63.90	127	79.00	2378	93.95	224
50.10	10290	65.00	665	79.95	1767	95.95	230
51.10	40115	67.90	210	80.95	2690	97.95	3063
52.05	2042	69.00	37611	81.95	778	99.00	2448
54.90	139	69.90	117	83.00	743	100.00	115
56.00	1235	73.00	264	85.00	315	100.95	1455
57.00	2726	74.00	3644	86.05	786	103.00	429

Average of 8.092 to 8.104 min.: R34027.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.95	781	117.00	8383	129.95	1492	142.80	295
104.95	995	117.90	597	130.90	179	143.00	239
106.05	276	119.90	144	132.00	91	146.00	380
107.00	12052	121.95	703	134.00	485	147.00	1243
108.00	1886	122.95	1186	135.00	1448	147.95	2477
108.90	140	123.95	534	135.80	171	148.90	603
109.10	247	125.05	646	135.95	267	149.90	109
110.00	23308	125.70	115	137.05	663	151.00	255
111.00	3275	127.00	45283	140.00	91	152.00	115
111.95	474	128.00	3641	141.00	2102	153.00	707
116.05	514	129.00	17005	141.90	636	153.85	452

Average of 8.092 to 8.104 min.: R34027.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
155.00	1204	168.00	1870	180.95	1137	193.95	456
156.05	1712	169.05	305	184.00	238	195.10	204
157.00	465	171.85	260	185.00	1559	196.00	3383
157.85	324	173.00	505	186.00	14216	197.95	108651
159.05	232	174.00	1046	187.00	3833	198.95	7246
159.95	769	174.95	1586	188.00	415	199.90	317
161.00	1081	176.05	630	188.80	248	201.45	614
161.95	291	177.00	753	189.00	673	202.95	703
164.95	929	177.90	227	191.05	352	204.00	3529
166.00	766	178.95	3804	191.95	1199	205.00	6130
167.00	4502	179.95	2506	193.00	1424	206.00	26480

Average of 8.092 to 8.104 min.: R34027.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
207.00	4018	216.95	6448	228.10	221	243.00	736
207.95	856	217.95	865	228.95	1206	244.00	11368
208.90	118	219.90	113	230.95	664	245.00	1657
209.80	89	221.00	6709	233.95	301	245.95	2140
210.20	173	221.80	444	234.95	460	246.95	431
210.40	468	223.00	1582	236.00	236	248.95	461
210.90	258	224.00	13841	236.90	429	253.05	235
211.05	841	225.05	3709	239.10	108	253.90	493
212.00	153	226.05	251	239.80	116	254.10	219
214.80	109	227.00	6036	240.90	355	255.00	58931
215.95	559	227.90	509	242.00	798	256.00	8721

Average of 8.092 to 8.104 min.: R34027.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
256.95	603	276.90	499	304.00	118	334.95	298
257.95	3163	277.05	1548	314.05	338	340.90	98
258.95	562	278.00	352	314.40	112	341.10	204
263.90	88	282.90	135	314.95	848	346.00	602
265.00	1197	285.00	334	315.80	239	352.05	592
265.90	118	293.05	480	316.15	201	353.00	527
271.90	91	295.00	166	321.00	92	354.00	838
272.95	1788	296.00	6558	323.00	2352	364.95	2904
274.00	4547	296.95	951	323.95	588	365.80	91
275.00	25517	301.90	92	326.95	366	366.10	285
276.05	3549	303.00	1053	334.00	1573	371.00	116

Average of 8.092 to 8.104 min.: R34027.D\data.ms

DFTPP.m Mon Oct 07 14:58:27 2013 Page: 0

ACCUTEST LABORATORIES MC24849

dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
372.05	1266	424.00	1153				
372.80	89	441.00	15183				
373.00	110	442.05	93931				
383.00	273	443.05	18480				
401.95	445	444.05	1814				
403.00	428						
404.00	93						
420.90	114						
421.05	486						
421.95	602						
423.05	4463						

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	59485m	40.00	ppm	0.55
21) 1,4-Dichlorobenzene-d4A	4.425	152	59492m	40.00	PPM	0.55
23) Naphthalene-d8	5.484	136	221858m	40.00	ppm	0.56
41) Naphthalene-d8a	5.484	136	221870m	40.00	ppm	0.56
43) Acenaphthene-d10	7.025	164	139822m	40.00	ppm	0.58
65) Acenaphthene-d10a	7.025	164	139833m	40.00	ppm	0.58
67) Phenanthrene-d10	8.454	188	240225m	40.00	ppm	0.64
80) Phenanthrene-d10a	8.454	188	240225m	40.00	ppm	0.65
82) Chrysene-d12	11.454	240	267691m	40.00	ppm	0.72
92) Perylene-d12	13.054	264	259313m	40.00	ppm	0.74
100) Naphthalene-d8b	5.484	136	221867m	40.00	ug/mL	0.56
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	91717m	46.49	ppm	0.52
Spiked Amount 100.000	Range 30 - 130		Recovery = 46.49%			
7) Phenol-d5	4.143	99	112760m	41.54	ppm	0.51
Spiked Amount 100.000	Range 30 - 130		Recovery = 41.54%			
24) Nitrobenzene-d5	4.890	82	105028m	43.20	ppm	0.55
Spiked Amount 50.000	Range 30 - 130		Recovery = 86.40%			
48) 2-Fluorobiphenyl	6.419	172	231580m	50.10	ppm	0.55
Spiked Amount 50.000	Range 30 - 130		Recovery = 100.20%			
71) 2,4,6-Tribromophenol	7.772	330	37038m	50.41	ppm	0.61
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.41%			
85) Terphenyl-d14	10.225	244	286560m	49.61	ppm	0.68
Spiked Amount 50.000	Range 30 - 130		Recovery = 99.22%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.560	74	58838m	42.59	ug/l	
3) Pyridine	2.572	79	107712m	42.57	ppm	
4) Aniline	4.190	93	139086m	42.02	ppm	
6) bis(2-Chloroethyl)ether	4.225	63	65072m	43.66	ppm	
8) Phenol	4.154	94	114928m	40.44	ppm	
9) 2-Chlorophenol	4.278	128	98355m	49.37	ppm	
10) 1,3-Dichlorobenzene	4.396	146	108436m	48.13	ppm	
11) 1,4-Dichlorobenzene	4.437	146	114841m	48.74	ppm	
12) 1,2-Dichlorobenzene	4.590	146	104690m	48.73	ppm	
13) Benzyl alcohol	4.537	108	64404m	44.88	ppm	
14) bis(2-chloroisopropyl)...	4.660	45	112465m	53.46	ppm	
15) o-cresol	4.631	108	86947m	20.61	ppm	
16) Acetophenone	4.760	105	140090m	43.37	ppm	
17) Hexachloroethane	4.843	117	42833m	46.47	ppm	
18) N-Nitroso-di-n-propyla...	4.778	70	64035m	41.68	ppm	
19) m+p-cresols	4.748	108	188185m	89.20	ppm	
20) 4-methylphenol	4.748	108	187986m	89.11	ppm	
25) Nitrobenzene	4.907	77	105565m	42.72	ppm	
26) Isophorone	5.096	82	179787m	41.90	ppm	
27) 2-Nitrophenol	5.172	139	52445m	50.82	ppm	
28) 2,4-Dimethylphenol	5.190	107	96931m	43.60	ppm	
29) bis(2-Chloroethoxy)met...	5.272	93	103765m	41.88	ppm	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Benzoic acid	5.260	105	66559m	37.88	ppm	
31) 2,4-Dichlorophenol	5.366	162	86395m	52.33	ppm	
32) 1,2,4-Trichlorobenzene	5.443	180	90548m	52.20	ppm	
33) Naphthalene	5.501	128	289988m	50.63	ppm	
34) 2,6-Dichlorophenol	5.560	162	84039m	51.85	ppm	
35) 4-Chloroaniline	5.554	127	121152m	49.73	ppm	
36) Hexachlorobutadiene	5.648	225	58274m	50.91	ppm	
37) 4-Chloro-3-methylphenol	5.954	107	82037m	42.10	ppm	
38) 2-Methylnaphthalene	6.090	142	206997m	55.16	ppm	
39) 1-Methylnaphthalene	6.184	142	196454m	53.44	ppm	
40) 1,2,4,5-Tetrachloroben...	6.272	216	105598m	53.51	ppm	
44) Pentachloronitrobenzene	8.407	237	30771m	51.08	ppm	
45) Hexachlorocyclopentadiene	6.290	237	70656m	61.24	ppm	
46) 2,4,6-Trichlorophenol	6.354	196	66800m	49.70	ppm	
47) 2,4,5-Trichlorophenol	6.384	196	70396m	48.86	ppm	
49) 2-Chloronaphthalene	6.513	162	184044m	49.24	ppm	
50) Acenaphthylene	6.890	152	306015m	50.70	ppm	
51) Dimethylphthalate	6.801	163	214661m	47.35	ppm	
52) 2,4-Dinitrotoluene	7.225	165	65240m	50.40	ppm	
53) Acenaphthene	7.054	153	197159m	52.66	ppm	
54) 2,4-Dinitrophenol	7.084	184	30595m	43.38	ppm	
55) Dibenzofuran	7.201	168	277334m	51.59	ppm	
56) 2,6-Dinitrotoluene	6.866	165	49768m	51.53	ppm	
57) 4-Nitrophenol	7.125	65	43699m	42.35	ppm	
58) 2,3,4,6-Tetrachlorophenol	7.348	232	60487m	48.86	ppm	
59) Fluorene	7.525	166	224845m	52.78	ppm	
60) 4-Chlorophenyl-phenyle...	7.513	204	108434m	51.20	ppm	
61) Diethylphthalate	7.448	149	214106m	47.40	ppm	
62) 2-nitroaniline	6.625	138	61122m	47.86	ppm	
63) 3-nitroaniline	6.995	138	52284m	47.04	ppm	
64) 4-nitroaniline	7.566	138	51830m	45.76	ppm	
68) 4,6-Dinitro-2-methylph...	7.607	198	44240m	49.91	ppm	
69) n-Nitrosodiphenylamine	7.631	169	158960m	49.39	ppm	
70) 1,2-Diphenylhydrazine	7.666	77	205111m	40.91	ppm	
72) 4-Bromophenyl-phenylether	7.989	248	66649m	49.83	ppm	
73) Hexachlorobenzene	8.148	284	74087m	55.49	ppm	
74) Pentachlorophenol	8.325	266	47627m	52.94	ppm	
75) Phenanthrene	8.484	178	327784m	52.57	ppm	
76) Anthracene	8.525	178	339720m	53.26	ppm	
77) Carbazole	8.695	167	310096m	52.77	ppm	
78) Di-n-butylphthalate	9.119	149	369483m	49.09	ppm	
79) Fluoranthene	9.783	202	352235m	50.45	ppm	
83) Benzidine	9.925	184	129163m	41.62	ppm	
84) Pyrene	10.036	202	389354m	50.87	ppm	
86) 3,3-Dimethylbenzidine	10.789	212	162659m	37.69	ppm	
87) Butylbenzylphthalate	10.830	149	167072m	48.86	ppm	
88) 3,3'-Dichlorobenzidine	11.419	252	137506m	49.93	ppm	
89) Benzo[a]anthracene	11.430	228	354784m	49.39	ppm	
90) Chrysene	11.483	228	342967m	48.98	ppm	
91) bis(2-Ethylhexyl)phtha...	11.542	149	232773m	47.84	ppm	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration

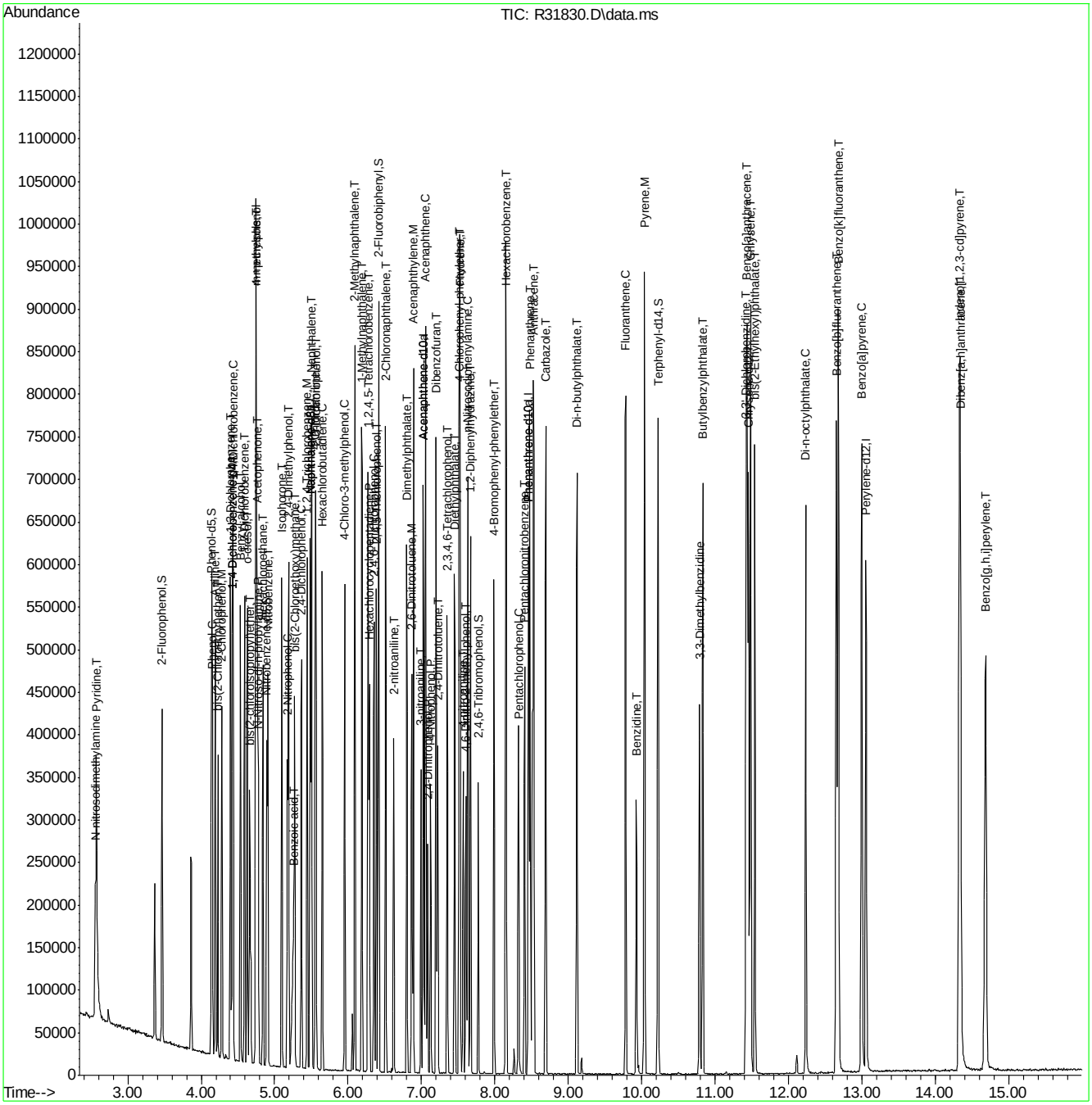
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	365730m	42.88	ppm	
94) Benzo[b]fluoranthene	12.654	252	388574m	48.87	ppm	
95) Benzo[k]fluoranthene	12.677	252	363381m	50.19	ppm	
96) Benzo[a]pyrene	12.995	252	342214m	49.28	ppm	
97) Indeno[1,2,3-cd]pyrene	14.330	276	424772m	52.15	ppm	
98) Dibenz[a,h]anthracene	14.342	278	343005m	51.88	ppm	
99) Benzo[g,h,i]perylene	14.683	276	353384m	52.43	ppm	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31830.D
Acq On : 28 Jun 2013 7:48 pm
Operator : kristinr
Sample : ICC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 01 08:07:24 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Thu Jun 27 10:12:01 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24849

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	49138	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	49138	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	181281	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	181281	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	112249	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	112249	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	196732	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	196732	40.00	ppm	0.00
82) Chrysene-d12	11.448	240	209909	40.00	ppm	0.00
92) Perylene-d12	13.054	264	203361	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	181281	40.00	ug/mL	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	2661	1.76	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.76%#			
7) Phenol-d5	4.137	99	3786	2.03	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 2.03%#			
24) Nitrobenzene-d5	4.890	82	3273	1.91	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.82%#			
48) 2-Fluorobiphenyl	6.419	172	7292	1.96	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.92%#			
71) 2,4,6-Tribromophenol	7.772	330	795m	1.31	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.31%#			
85) Terphenyl-d14	10.219	244	8605	1.91	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.82%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.566	74	1962	2.02	ug/l	# 63
3) Pyridine	2.596	79	3640	2.05	ppm	97
4) Aniline	4.190	93	4029	1.75	ppm	# 1
6) bis(2-Chloroethyl)ether	4.225	63	1919	1.79	ppm	89
8) Phenol	4.149	94	3522	1.85	ppm	93
9) 2-Chlorophenol	4.278	128	2915	1.79	ppm	97
10) 1,3-Dichlorobenzene	4.396	146	3393	1.89	ppm	92
11) 1,4-Dichlorobenzene	4.437	146	3732	1.97	ppm	96
12) 1,2-Dichlorobenzene	4.590	146	3150	1.82	ppm	93
13) Benzyl alcohol	4.537	108	1928	1.81	ppm	93
14) bis(2-chloroisopropyl)...	4.660	45	3354	1.81	ppm	92
15) o-cresol	4.625	108	2530	1.76	ppm	81
16) Acetophenone	4.760	105	4176	1.80	ppm	83
17) Hexachloroethane	4.843	117	1347	1.90	ppm	84
18) N-Nitroso-di-n-propyla...	4.772	70	2301	2.17	ppm	91
19) m+p-cresols	4.743	108	5553	3.57	ppm	97
20) 4-methylphenol	4.743	108	5553	3.58	ppm	97
25) Nitrobenzene	4.907	77	3565	2.07	ppm	96
26) Isophorone	5.096	82	5600	1.91	ppm	99
27) 2-Nitrophenol	5.172	139	1694	1.98	ppm	73
28) 2,4-Dimethylphenol	5.184	107	2562	1.62	ppm	81
29) bis(2-Chloroethoxy)met...	5.272	93	3348	1.97	ppm	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) 2,4-Dichlorophenol	5.366	162	2506	1.77	ppm	86
32) 1,2,4-Trichlorobenzene	5.443	180	2944	1.99	ppm	88
33) Naphthalene	5.496	128	9402	1.98	ppm	97
34) 2,6-Dichlorophenol	5.560	162	2616	1.90	ppm	96
35) 4-Chloroaniline	5.554	127	3379	1.71	ppm	100
36) Hexachlorobutadiene	5.648	225	1690	1.77	ppm	92
37) 4-Chloro-3-methylphenol	5.954	107	2184	1.63	ppm	89
38) 2-Methylnaphthalene	6.090	142	6539	1.93	ppm	88
39) 1-Methylnaphthalene	6.184	142	6518	2.03	ppm	89
40) 1,2,4,5-Tetrachloroben...	6.272	216	3697	2.14	ppm	89
45) Hexachlorocyclopentadiene	6.290	237	1707	1.50	ppm	68
46) 2,4,6-Trichlorophenol	6.348	196	1666	1.55	ppm	85
47) 2,4,5-Trichlorophenol	6.384	196	1841	1.63	ppm	84
49) 2-Chloronaphthalene	6.513	162	6168	2.09	ppm	95
50) Acenaphthylene	6.890	152	9322	1.90	ppm	91
51) Dimethylphthalate	6.801	163	6385	1.85	ppm	100
52) 2,4-Dinitrotoluene	7.219	165	1629	1.56	ppm	98
53) Acenaphthene	7.054	153	5886	1.86	ppm	93
54) 2,4-Dinitrophenol	7.078	184	453m	0.92	ppm	
55) Dibenzofuran	7.195	168	8925	2.00	ppm	93
56) 2,6-Dinitrotoluene	6.860	165	1175	1.47	ppm	91
57) 4-Nitrophenol	7.119	65	792m	1.13	ppm	
58) 2,3,4,6-Tetrachlorophenol	7.348	232	1227	1.26	ppm	84
59) Fluorene	7.525	166	6816	1.89	ppm	96
60) 4-Chlorophenyl-phenyle...	7.513	204	3528	2.03	ppm	84
61) Diethylphthalate	7.448	149	6550	1.91	ppm	92
62) 2-nitroaniline	6.619	138	1561	1.59	ppm	84
63) 3-nitroaniline	6.990	138	1374	1.64	ppm	90
64) 4-nitroaniline	7.560	138	967m	1.16	ppm	
69) n-Nitrosodiphenylamine	7.631	169	4831	1.86	ppm	95
70) 1,2-Diphenylhydrazine	7.666	77	6664	1.98	ppm	97
72) 4-Bromophenyl-phenylether	7.990	248	1967	1.80	ppm	84
73) Hexachlorobenzene	8.142	284	2312	1.91	ppm	90
74) Pentachlorophenol	8.319	266	1052	1.35	ppm	82
75) Phenanthrene	8.478	178	10370	1.93	ppm	96
76) Anthracene	8.525	178	9840	1.77	ppm	96
77) Carbazole	8.689	167	8014	1.58	ppm	78
78) Di-n-butylphthalate	9.113	149	9533	1.58	ppm	95
79) Fluoranthene	9.778	202	9933	1.72	ppm	95
83) Benzidine	9.925	184	2615	1.29	ppm	85
84) Pyrene	10.036	202	10951	1.79	ppm	95
86) 3,3-Dimethylbenzidine	10.783	212	2441	0.96	ppm	100
87) Butylbenzylphthalate	10.825	149	3069	1.17	ppm	90
88) 3,3'-Dichlorobenzidine	11.419	252	2425	1.12	ppm	95
89) Benzo[a]anthracene	11.430	228	9635	1.73	ppm	95
90) Chrysene	11.478	228	10214	1.90	ppm	99
91) bis(2-Ethylhexyl)phtha...	11.542	149	4588	1.26	ppm	77
93) Di-n-octylphthalate	12.230	149	5394	0.94	ppm	95
94) Benzo[b]fluoranthene	12.648	252	10441	1.71	ppm	95
95) Benzo[k]fluoranthene	12.672	252	9589	1.68	ppm	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration

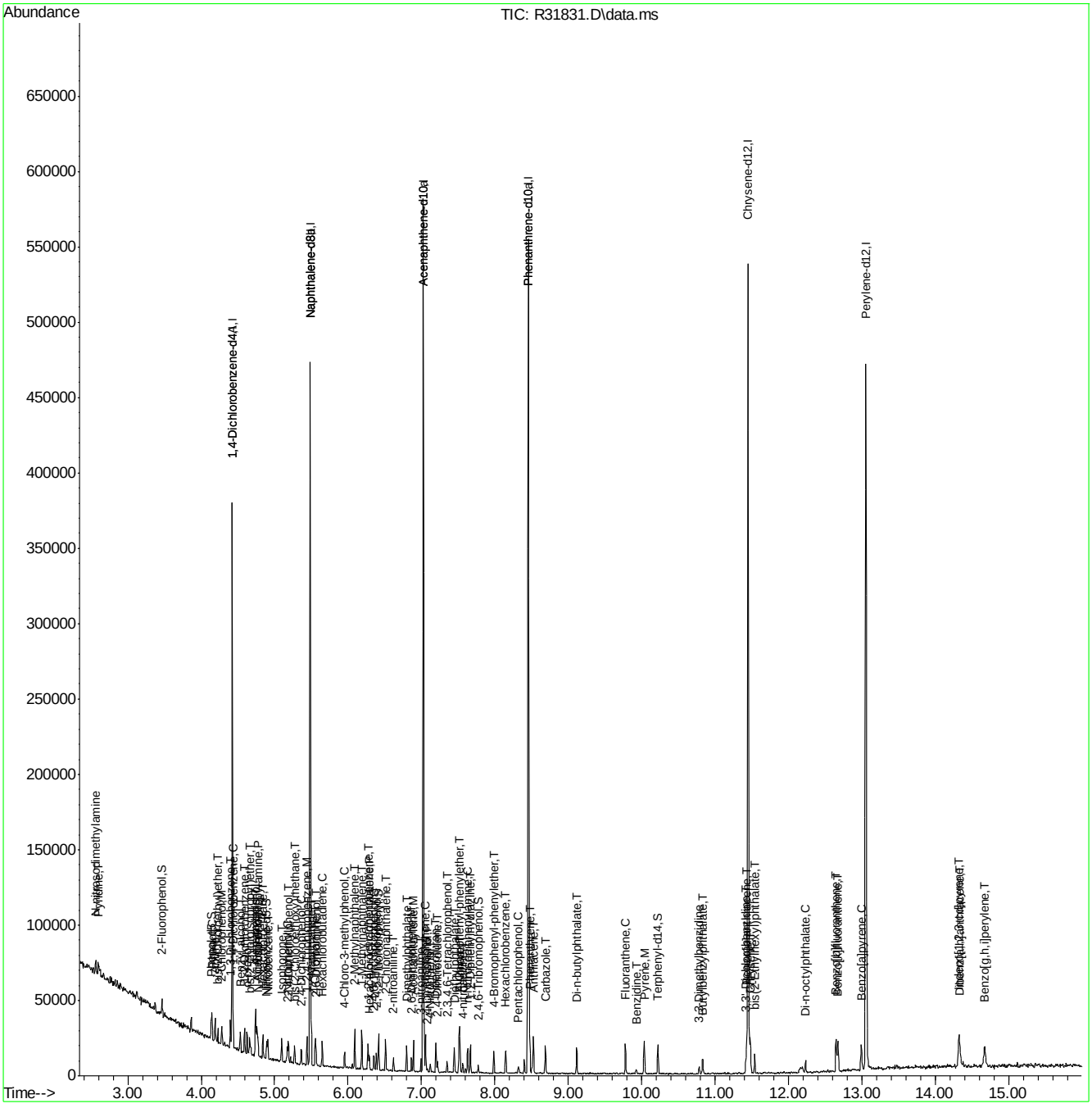
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Benzo[a]pyrene	12.989	252	8160	1.52	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.324	276	10360	1.56	ppm	80
98) Dibenz[a,h]anthracene	14.330	278	8584	1.60	ppm	95
99) Benzo[g,h,i]perylene	14.671	276	9002	1.62	ppm	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31831.D
Acq On : 28 Jun 2013 8:11 pm
Operator : kristinr
Sample : IC1159-2
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 08:09:04 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:07:38 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24849

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	51367	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	51367	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	187437	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	187437	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	119311	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	119311	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	202315	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	202315	40.00	ppm	0.00
82) Chrysene-d12	11.448	240	219013	40.00	ppm	0.00
92) Perylene-d12	13.054	264	214392	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	187437	40.00	ug/mL	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	7952	5.35	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 5.35%#			
7) Phenol-d5	4.137	99	9750	4.97	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 4.97%#			
24) Nitrobenzene-d5	4.890	82	8917	5.14	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 10.28%#			
48) 2-Fluorobiphenyl	6.419	172	19440	4.97	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 9.94%#			
71) 2,4,6-Tribromophenol	7.772	330	2452	3.93	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 3.93%#			
85) Terphenyl-d14	10.219	244	22822	4.97	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 9.94%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.560	74	4558	4.49	ug/l	# 79
3) Pyridine	2.590	79	8812	4.74	ppm	97
4) Aniline	4.190	93	11209	4.97	ppm	# 1
6) bis(2-Chloroethyl)ether	4.225	63	5705	5.36	ppm	78
8) Phenol	4.148	94	9287	4.85	ppm	97
9) 2-Chlorophenol	4.278	128	7555	4.69	ppm	91
10) 1,3-Dichlorobenzene	4.396	146	9269	5.08	ppm	99
11) 1,4-Dichlorobenzene	4.437	146	9242	4.70	ppm	96
12) 1,2-Dichlorobenzene	4.590	146	8197	4.75	ppm	88
13) Benzyl alcohol	4.537	108	4842	4.35	ppm	98
14) bis(2-chloroisopropyl)...	4.660	45	9684	5.24	ppm	81
15) o-cresol	4.625	108	6681	4.73	ppm	85
16) Acetophenone	4.760	105	11659	5.07	ppm	98
17) Hexachloroethane	4.843	117	3547	4.91	ppm	80
18) N-Nitroso-di-n-propyla...	4.772	70	4779m	4.14	ppm	
19) m+p-cresols	4.743	108	14861	9.66	ppm	99
20) 4-methylphenol	4.743	108	14861	9.67	ppm	99
25) Nitrobenzene	4.907	77	9124	5.03	ppm	94
26) Isophorone	5.095	82	14021	4.73	ppm	99
27) 2-Nitrophenol	5.172	139	3900	4.40	ppm	91
28) 2,4-Dimethylphenol	5.184	107	6625	4.04	ppm	98
29) bis(2-Chloroethoxy)met...	5.272	93	8609	4.91	ppm	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.219	105	2500	2.22	ppm		96
31) 2,4-Dichlorophenol	5.360	162	6088	4.17	ppm		95
32) 1,2,4-Trichlorobenzene	5.442	180	7933	5.20	ppm		98
33) Naphthalene	5.501	128	23030	4.72	ppm		96
34) 2,6-Dichlorophenol	5.560	162	6427	4.53	ppm		93
35) 4-Chloroaniline	5.554	127	9409	4.60	ppm		100
36) Hexachlorobutadiene	5.648	225	4470	4.81	ppm		84
37) 4-Chloro-3-methylphenol	5.954	107	6182	4.46	ppm		95
38) 2-Methylnaphthalene	6.090	142	16285	4.74	ppm		93
39) 1-Methylnaphthalene	6.184	142	16485	4.93	ppm		92
40) 1,2,4,5-Tetrachloroben...	6.272	216	9197	4.98	ppm		100
44) Pentachloronitrobenzene	8.401	237	2166	4.12	ppm		90
45) Hexachlorocyclopentadiene	6.289	237	5335	4.42	ppm		86
46) 2,4,6-Trichlorophenol	6.354	196	4962	4.35	ppm		99
47) 2,4,5-Trichlorophenol	6.384	196	5351	4.45	ppm		99
49) 2-Chloronaphthalene	6.513	162	15028	4.68	ppm		98
50) Acenaphthylene	6.889	152	24421	4.80	ppm		97
51) Dimethylphthalate	6.801	163	17498	4.96	ppm		98
52) 2,4-Dinitrotoluene	7.219	165	4817	4.33	ppm		80
53) Acenaphthene	7.054	153	16873	5.20	ppm		96
54) 2,4-Dinitrophenol	7.084	184	1515	2.90	ppm		85
55) Dibenzofuran	7.201	168	22213	4.69	ppm		98
56) 2,6-Dinitrotoluene	6.866	165	3383	3.98	ppm		71
57) 4-Nitrophenol	7.119	65	2914	3.91	ppm	#	71
58) 2,3,4,6-Tetrachlorophenol	7.348	232	4491	4.35	ppm		91
59) Fluorene	7.525	166	18464	4.95	ppm		93
60) 4-Chlorophenyl-phenyle...	7.513	204	8876	4.76	ppm		95
61) Diethylphthalate	7.448	149	16793	4.71	ppm		99
62) 2-nitroaniline	6.625	138	4231	4.06	ppm		95
63) 3-nitroaniline	6.989	138	3727	4.18	ppm		85
64) 4-nitroaniline	7.560	138	3573	4.04	ppm		84
68) 4,6-Dinitro-2-methylph...	7.601	198	2324	3.12	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	12398	4.80	ppm		97
70) 1,2-Diphenylhydrazine	7.666	77	16006	4.65	ppm		95
72) 4-Bromophenyl-phenylether	7.989	248	5172	4.85	ppm		97
73) Hexachlorobenzene	8.148	284	6133	5.03	ppm		96
74) Pentachlorophenol	8.319	266	3153	3.93	ppm		96
75) Phenanthrene	8.478	178	26259	4.84	ppm		96
76) Anthracene	8.525	178	27189	5.04	ppm		100
77) Carbazole	8.689	167	23695	5.07	ppm		100
78) Di-n-butylphthalate	9.113	149	25565	4.11	ppm		98
79) Fluoranthene	9.777	202	26727	4.84	ppm		98
83) Benzidine	9.925	184	7390	3.50	ppm		94
84) Pyrene	10.030	202	29538	4.89	ppm		96
86) 3,3-Dimethylbenzidine	10.783	212	9433	3.54	ppm		100
87) Butylbenzylphthalate	10.824	149	10469	3.83	ppm		95
88) 3,3'-Dichlorobenzidine	11.419	252	7573	3.37	ppm		95
89) Benzo[a]anthracene	11.430	228	25910	4.78	ppm		93
90) Chrysene	11.477	228	27195	4.97	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.542	149	13275	3.49	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration

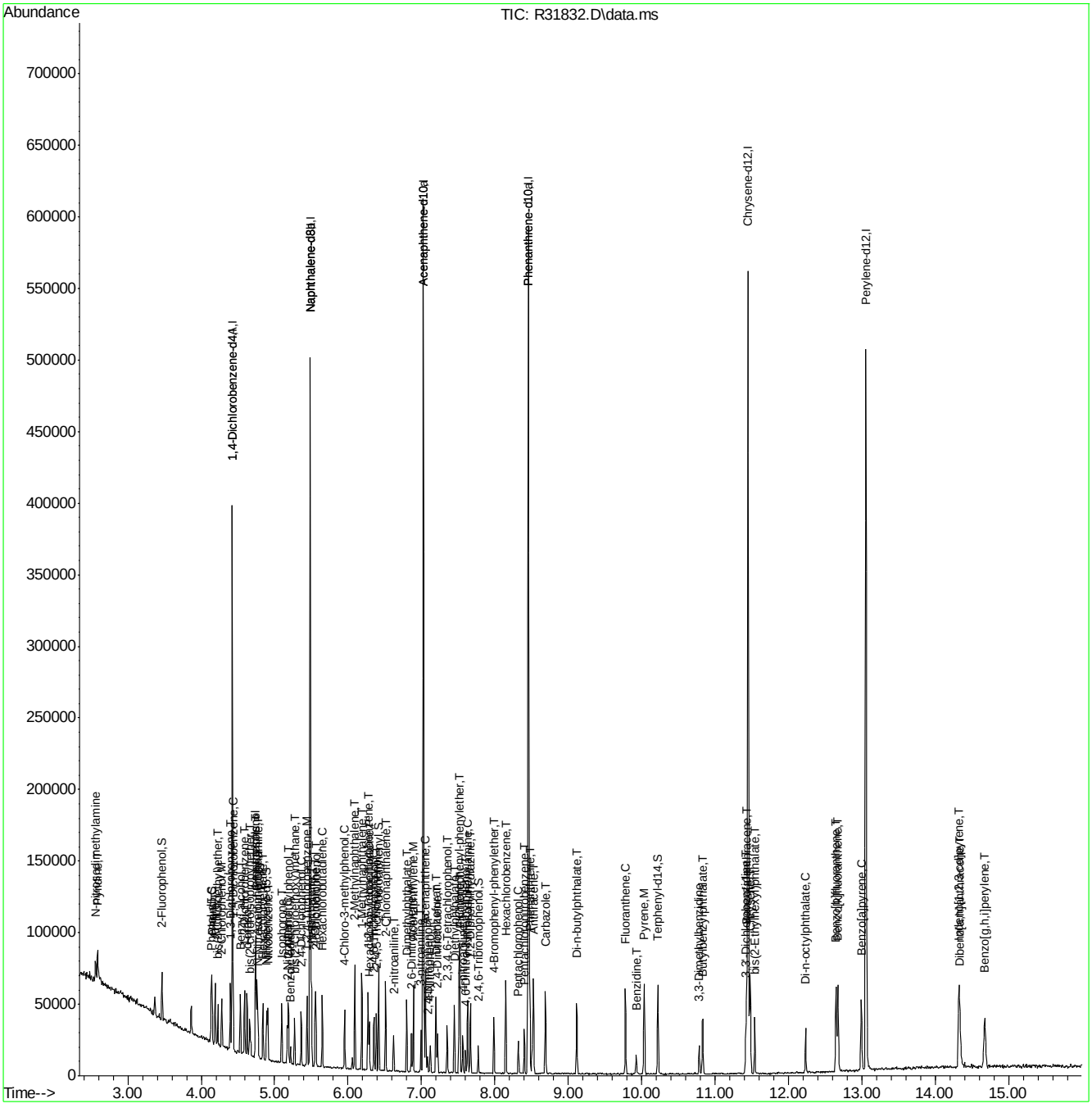
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.230	149	18042	2.98	ppm	97
94) Benzo[b]fluoranthene	12.648	252	26212	4.39	ppm	93
95) Benzo[k]fluoranthene	12.671	252	27270	4.93	ppm	97
96) Benzo[a]pyrene	12.989	252	22958	4.61	ppm	93
97) Indeno[1,2,3-cd]pyrene	14.324	276	29545	4.73	ppm	86
98) Dibenz[a,h]anthracene	14.336	278	24614	4.83	ppm	94
99) Benzo[g,h,i]perylene	14.671	276	24683	4.66	ppm	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31832.D
Acq On : 28 Jun 2013 8:33 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 08:10:47 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:09:11 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24849

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	46884	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	46884	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	166929	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	166929	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	105710	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	105710	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	181940	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	181940	40.00	ppm	0.00
82) Chrysene-d12	11.448	240	195288	40.00	ppm	0.00
92) Perylene-d12	13.054	264	187013	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	166929	40.00	ug/mL	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	14242	10.25	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 10.25%#			
7) Phenol-d5	4.137	99	17138	9.59	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 9.59%#			
24) Nitrobenzene-d5	4.890	82	15688	10.07	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 20.14%#			
48) 2-Fluorobiphenyl	6.419	172	34683	10.02	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 20.04%#			
71) 2,4,6-Tribromophenol	7.772	330	4845	9.67	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 9.67%#			
85) Terphenyl-d14	10.219	244	39266	9.61	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 19.22%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.560	74	9321	10.59	ug/l	99
3) Pyridine	2.584	79	16709	10.11	ppm	83
4) Aniline	4.190	93	21013	10.23	ppm #	1
6) bis(2-Chloroethyl)ether	4.225	63	10148	10.21	ppm	82
8) Phenol	4.148	94	17082	9.88	ppm	94
9) 2-Chlorophenol	4.278	128	15038	10.44	ppm	96
10) 1,3-Dichlorobenzene	4.396	146	17344	10.36	ppm	97
11) 1,4-Dichlorobenzene	4.437	146	17241	9.80	ppm	96
12) 1,2-Dichlorobenzene	4.590	146	15632	10.09	ppm	99
13) Benzyl alcohol	4.537	108	9120	9.60	ppm	95
14) bis(2-chloroisopropyl)...	4.660	45	16636	9.71	ppm	86
15) o-cresol	4.625	108	12035	9.51	ppm	77
16) Acetophenone	4.760	105	20253	9.60	ppm	98
17) Hexachloroethane	4.843	117	6286	9.60	ppm	89
18) N-Nitroso-di-n-propyla...	4.772	70	9230	9.29	ppm	80
19) m+p-cresols	4.743	108	26756	19.28	ppm	91
20) 4-methylphenol	4.743	108	26756	19.28	ppm	91
25) Nitrobenzene	4.907	77	15604	9.64	ppm	97
26) Isophorone	5.095	82	25747	9.93	ppm	97
27) 2-Nitrophenol	5.172	139	7271	9.80	ppm	81
28) 2,4-Dimethylphenol	5.184	107	13801	10.46	ppm	94
29) bis(2-Chloroethoxy)met...	5.272	93	15740	10.17	ppm	95

ACCUTEST LABORATORIES MC24849

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.225	105	6577	6.57	ppm		88
31) 2,4-Dichlorophenol	5.360	162	12327	10.34	ppm		93
32) 1,2,4-Trichlorobenzene	5.442	180	13568	9.85	ppm		98
33) Naphthalene	5.501	128	42908	10.06	ppm		97
34) 2,6-Dichlorophenol	5.560	162	11758	9.76	ppm		96
35) 4-Chloroaniline	5.554	127	17103	9.78	ppm		100
36) Hexachlorobutadiene	5.648	225	9080	11.11	ppm		94
37) 4-Chloro-3-methylphenol	5.954	107	11168	9.56	ppm		96
38) 2-Methylnaphthalene	6.090	142	29155	9.69	ppm		97
39) 1-Methylnaphthalene	6.184	142	28886	9.74	ppm		100
40) 1,2,4,5-Tetrachloroben...	6.272	216	15961	9.71	ppm		94
44) Pentachloronitrobenzene	8.401	237	3995	8.59	ppm		93
45) Hexachlorocyclopentadiene	6.290	237	9042	8.98	ppm		98
46) 2,4,6-Trichlorophenol	6.354	196	9139	9.67	ppm		90
47) 2,4,5-Trichlorophenol	6.384	196	9245	9.19	ppm		92
49) 2-Chloronaphthalene	6.513	162	27215	9.78	ppm		94
50) Acenaphthylene	6.889	152	43895	9.87	ppm		98
51) Dimethylphthalate	6.801	163	31117	9.98	ppm		97
52) 2,4-Dinitrotoluene	7.219	165	8753	9.51	ppm		91
53) Acenaphthene	7.054	153	27820	9.55	ppm		96
54) 2,4-Dinitrophenol	7.084	184	3245	7.01	ppm		82
55) Dibenzofuran	7.201	168	40311	9.81	ppm		93
56) 2,6-Dinitrotoluene	6.866	165	6650	9.84	ppm	#	65
57) 4-Nitrophenol	7.119	65	5494	8.31	ppm	#	79
58) 2,3,4,6-Tetrachlorophenol	7.348	232	7686	8.99	ppm		95
59) Fluorene	7.525	166	32313	9.81	ppm		98
60) 4-Chlorophenyl-phenyle...	7.513	204	15641	9.63	ppm		86
61) Diethylphthalate	7.448	149	30962	9.99	ppm		97
62) 2-nitroaniline	6.619	138	8013	9.57	ppm		84
63) 3-nitroaniline	6.989	138	7123	9.01	ppm		87
64) 4-nitroaniline	7.560	138	6966	8.89	ppm		80
68) 4,6-Dinitro-2-methylph...	7.601	198	4616	6.89	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	22406	9.78	ppm		95
70) 1,2-Diphenylhydrazine	7.666	77	30647	10.14	ppm		93
72) 4-Bromophenyl-phenylether	7.989	248	9842	10.36	ppm		94
73) Hexachlorobenzene	8.148	284	10266	9.35	ppm		96
74) Pentachlorophenol	8.319	266	5580	7.73	ppm		95
75) Phenanthrene	8.478	178	48283	10.00	ppm		98
76) Anthracene	8.525	178	47975	9.87	ppm		97
77) Carbazole	8.689	167	42932	10.17	ppm		98
78) Di-n-butylphthalate	9.113	149	49326	9.68	ppm		98
79) Fluoranthene	9.778	202	49907	10.16	ppm		96
83) Benzidine	9.925	184	13689	8.55	ppm		97
84) Pyrene	10.030	202	53983	10.09	ppm		97
86) 3,3-Dimethylbenzidine	10.783	212	18632	9.19	ppm		100
87) Butylbenzylphthalate	10.830	149	20998	9.76	ppm		94
88) 3,3'-Dichlorobenzidine	11.419	252	16039	9.56	ppm		91
89) Benzo[a]anthracene	11.430	228	48728	10.24	ppm		96
90) Chrysene	11.477	228	48493	9.96	ppm		97
91) bis(2-Ethylhexyl)phtha...	11.542	149	27224	9.45	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.230	149	37306	8.86	ppm	99
94) Benzo[b]fluoranthene	12.648	252	51185	10.25	ppm	96
95) Benzo[k]fluoranthene	12.671	252	51893	10.81	ppm	97
96) Benzo[a]pyrene	12.989	252	44414	10.50	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.318	276	55586	10.39	ppm	85
98) Dibenz[a,h]anthracene	14.330	278	43079	9.80	ppm	96
99) Benzo[g,h,i]perylene	14.671	276	47038	10.42	ppm	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

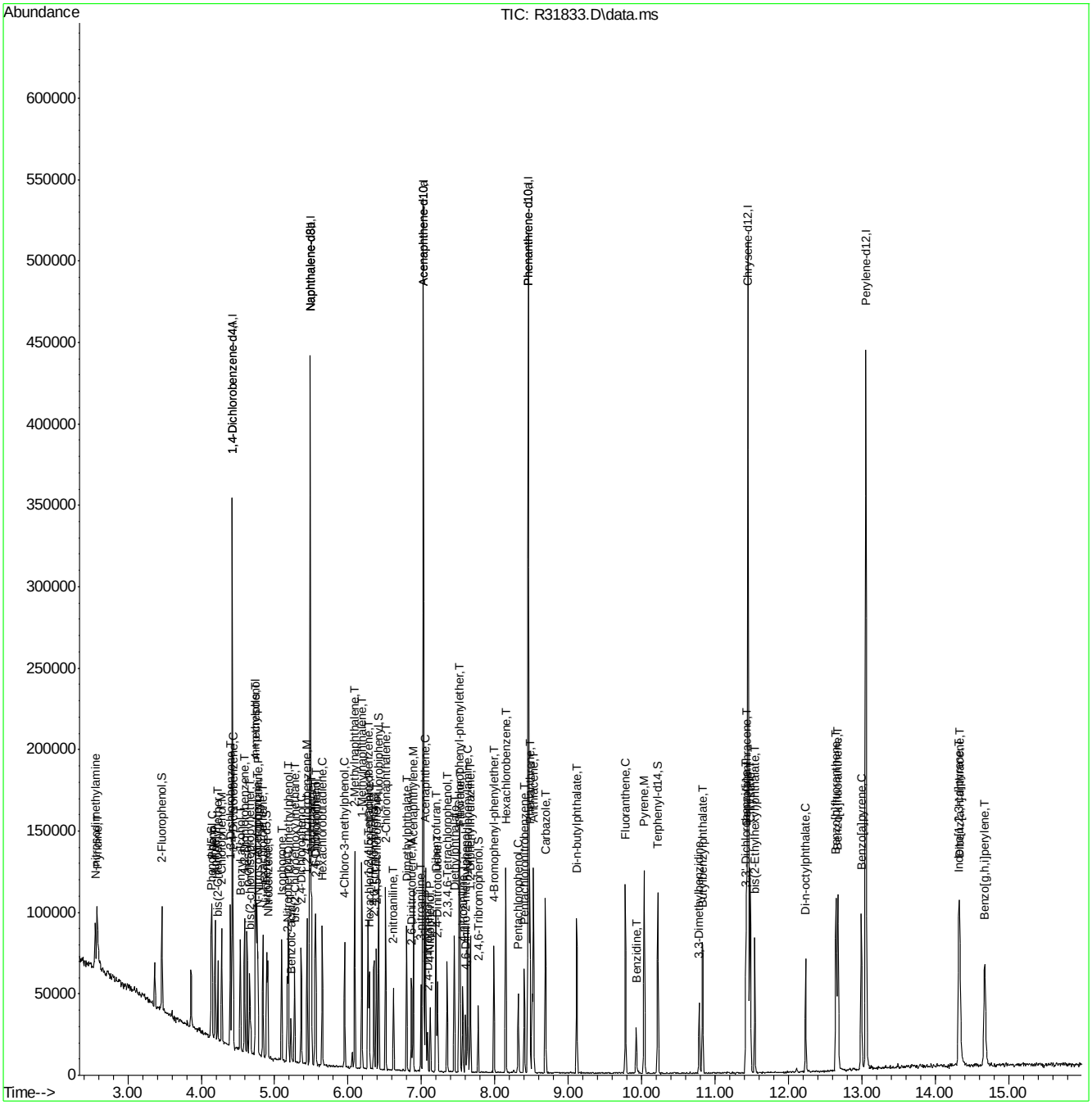
9.6.4

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31833.D
Acq On : 28 Jun 2013 8:56 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 08:11:58 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:10:52 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	51742	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	51742	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	187414	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	187414	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	116090	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	116090	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	205439	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	205439	40.00	ppm		0.00
82) Chrysene-d12	11.448	240	219524	40.00	ppm		0.00
92) Perylene-d12	13.054	264	211519	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	187414	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.466	112	30920	20.04	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 20.04%#				
7) Phenol-d5	4.137	99	39428	20.19	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 20.19%#				
24) Nitrobenzene-d5	4.890	82	36172	20.64	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 41.28%				
48) 2-Fluorobiphenyl	6.419	172	78365	20.61	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 41.22%				
71) 2,4,6-Tribromophenol	7.772	330	12254	21.90	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 21.90%#				
85) Terphenyl-d14	10.219	244	96411	21.20	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 42.40%				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.560	74	20277	20.48	ug/l		85
3) Pyridine	2.578	79	36952	20.18	ppm		85
4) Aniline	4.190	93	47163	20.69	ppm	#	1
6) bis(2-Chloroethyl)ether	4.225	63	22170	20.10	ppm		91
8) Phenol	4.149	94	40284	21.17	ppm		97
9) 2-Chlorophenol	4.278	128	33290	20.72	ppm		98
10) 1,3-Dichlorobenzene	4.396	146	37487	20.12	ppm		97
11) 1,4-Dichlorobenzene	4.437	146	38579	19.97	ppm		96
12) 1,2-Dichlorobenzene	4.590	146	34284	20.00	ppm		95
13) Benzyl alcohol	4.537	108	20595	19.92	ppm		96
14) bis(2-chloroisopropyl)...	4.660	45	38598	20.56	ppm		82
15) o-cresol	4.625	108	28574	20.71	ppm		81
16) Acetophenone	4.760	105	48172	20.90	ppm		99
17) Hexachloroethane	4.843	117	14788	20.66	ppm		89
18) N-Nitroso-di-n-propyla...	4.772	70	22687	21.07	ppm		83
19) m+p-cresols	4.743	108	61057	40.22	ppm		100
20) 4-methylphenol	4.743	108	61057	40.23	ppm		100
25) Nitrobenzene	4.907	77	35950	19.96	ppm		95
26) Isophorone	5.096	82	60479	20.81	ppm		95
27) 2-Nitrophenol	5.172	139	16401	19.82	ppm		85
28) 2,4-Dimethylphenol	5.184	107	32918	21.89	ppm		95
29) bis(2-Chloroethoxy)met...	5.272	93	37153	21.26	ppm		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.237	105	18397	19.75	ppm		95
31) 2,4-Dichlorophenol	5.360	162	27608	20.39	ppm		95
32) 1,2,4-Trichlorobenzene	5.443	180	31478	20.44	ppm		96
33) Naphthalene	5.501	128	97867	20.41	ppm		98
34) 2,6-Dichlorophenol	5.560	162	28427	21.19	ppm		97
35) 4-Chloroaniline	5.554	127	41102	21.08	ppm		100
36) Hexachlorobutadiene	5.648	225	20924	22.19	ppm		97
37) 4-Chloro-3-methylphenol	5.954	107	26807	20.75	ppm		97
38) 2-Methylnaphthalene	6.090	142	68715	20.50	ppm		90
39) 1-Methylnaphthalene	6.184	142	65711	19.87	ppm		94
40) 1,2,4,5-Tetrachloroben...	6.272	216	35372	19.31	ppm		97
44) Pentachloronitrobenzene	8.401	237	9129	19.23	ppm		95
45) Hexachlorocyclopentadiene	6.290	237	22665	21.22	ppm		95
46) 2,4,6-Trichlorophenol	6.354	196	21103	20.56	ppm		94
47) 2,4,5-Trichlorophenol	6.384	196	23571	21.92	ppm		99
49) 2-Chloronaphthalene	6.513	162	63890	21.02	ppm		94
50) Acenaphthylene	6.890	152	103146	21.19	ppm		99
51) Dimethylphthalate	6.801	163	73029	21.34	ppm		98
52) 2,4-Dinitrotoluene	7.219	165	21650	21.78	ppm		84
53) Acenaphthene	7.054	153	66856	21.13	ppm		99
54) 2,4-Dinitrophenol	7.084	184	9159	18.03	ppm		88
55) Dibenzofuran	7.201	168	94051	20.94	ppm		99
56) 2,6-Dinitrotoluene	6.866	165	16295	22.07	ppm	#	62
57) 4-Nitrophenol	7.125	65	13669	20.57	ppm		94
58) 2,3,4,6-Tetrachlorophenol	7.348	232	18645	20.55	ppm		91
59) Fluorene	7.525	166	75169	20.88	ppm		98
60) 4-Chlorophenyl-phenyle...	7.513	204	37443	21.18	ppm		94
61) Diethylphthalate	7.448	149	71749	21.09	ppm		99
62) 2-nitroaniline	6.619	138	19932	22.00	ppm		85
63) 3-nitroaniline	6.990	138	17272	20.93	ppm		84
64) 4-nitroaniline	7.566	138	17246	21.22	ppm		93
68) 4,6-Dinitro-2-methylph...	7.601	198	13821	21.63	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	54634	21.24	ppm		99
70) 1,2-Diphenylhydrazine	7.666	77	69003	20.15	ppm		97
72) 4-Bromophenyl-phenylether	7.989	248	21957	20.29	ppm		94
73) Hexachlorobenzene	8.148	284	26555	21.77	ppm		89
74) Pentachlorophenol	8.319	266	14968	20.72	ppm		86
75) Phenanthrene	8.478	178	109782	20.14	ppm		97
76) Anthracene	8.525	178	115301	21.07	ppm		99
77) Carbazole	8.689	167	101889	21.28	ppm		100
78) Di-n-butylphthalate	9.113	149	121116	21.27	ppm		97
79) Fluoranthene	9.778	202	118135	21.21	ppm		100
83) Benzidine	9.925	184	38042	22.21	ppm		98
84) Pyrene	10.031	202	127299	21.13	ppm		100
86) 3,3-Dimethylbenzidine	10.783	212	47611	21.47	ppm		100
87) Butylbenzylphthalate	10.830	149	52766	21.99	ppm		98
88) 3,3'-Dichlorobenzidine	11.419	252	40862	21.98	ppm		93
89) Benzo[a]anthracene	11.430	228	115708	21.50	ppm		97
90) Chrysene	11.477	228	113742	20.80	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.542	149	72206	22.71	ppm		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration

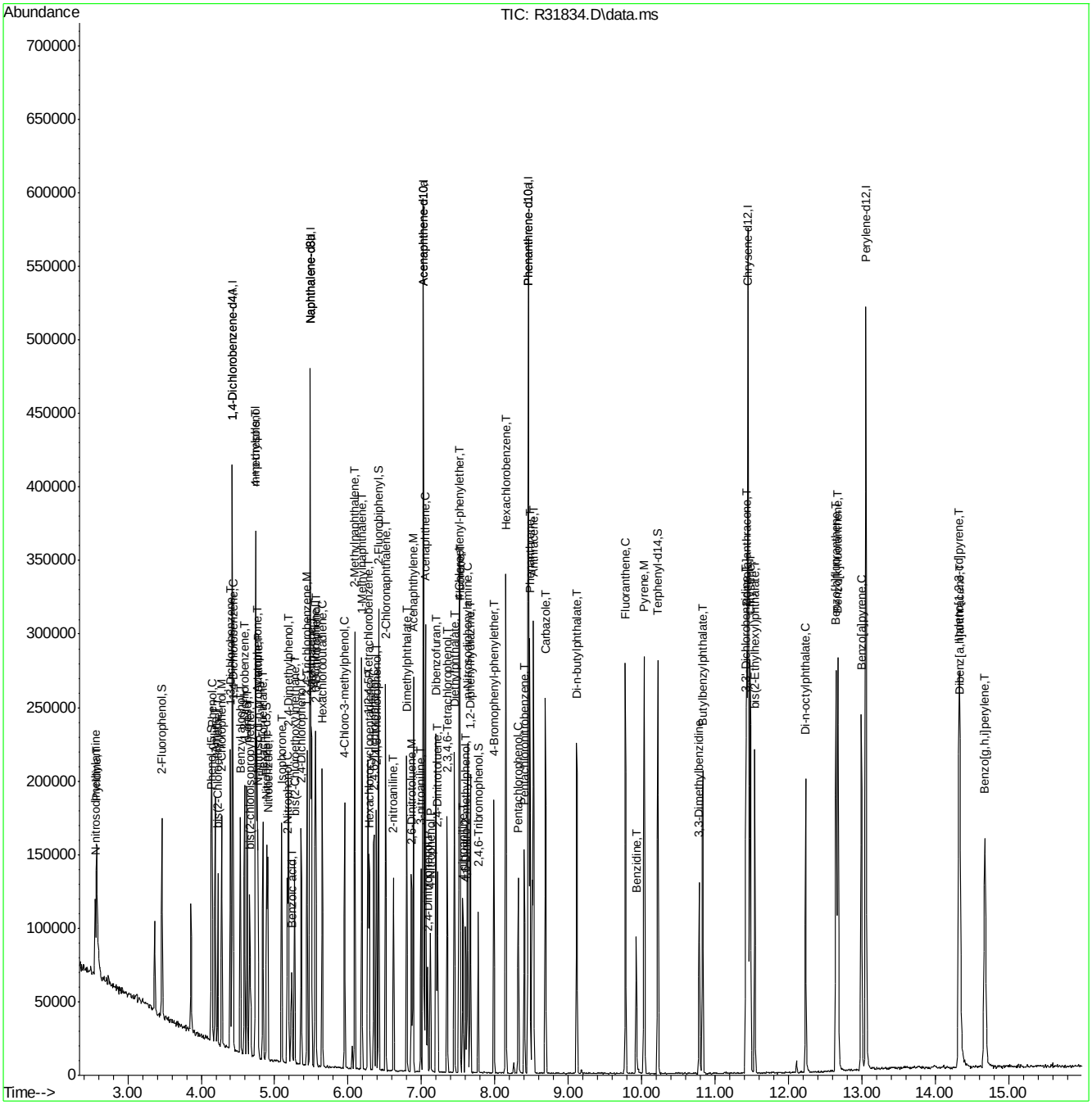
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.230	149	109176	23.83	ppm	99
94) Benzo[b]fluoranthene	12.648	252	121301	21.35	ppm	97
95) Benzo[k]fluoranthene	12.672	252	125067	22.57	ppm	97
96) Benzo[a]pyrene	12.989	252	113294	23.38	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.324	276	137292	22.48	ppm	88
98) Dibenz[a,h]anthracene	14.336	278	111343	22.51	ppm	98
99) Benzo[g,h,i]perylene	14.671	276	114707	22.23	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31834.D
Acq On : 28 Jun 2013 9:19 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 08:13:53 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:12:03 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	60503	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	60503	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	224861	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	224861	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	138065	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	138065	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	242175	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	242175	40.00	ppm		0.00
82) Chrysene-d12	11.454	240	270189	40.00	ppm		0.00
92) Perylene-d12	13.054	264	262365	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	224861	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.466	112	146080	80.95	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 80.95%				
7) Phenol-d5	4.143	99	185174	80.94	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 80.94%				
24) Nitrobenzene-d5	4.890	82	171072	80.83	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 161.66%#				
48) 2-Fluorobiphenyl	6.419	172	367337	80.74	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 161.48%#				
71) 2,4,6-Tribromophenol	7.778	330	62320	92.29	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 92.29%				
85) Terphenyl-d14	10.219	244	466379	82.34	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 164.68%#				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.560	74	95161	81.70	ug/l		85
3) Pyridine	2.572	79	173375	80.79	ppm		93
4) Aniline	4.190	93	226620	84.44	ppm	#	1
6) bis(2-Chloroethyl)ether	4.225	63	103993	80.55	ppm		88
8) Phenol	4.154	94	189494	84.19	ppm		97
9) 2-Chlorophenol	4.284	128	158965	84.00	ppm		97
10) 1,3-Dichlorobenzene	4.396	146	174784	80.12	ppm		99
11) 1,4-Dichlorobenzene	4.437	146	183171	81.11	ppm		99
12) 1,2-Dichlorobenzene	4.590	146	165338	82.49	ppm		98
13) Benzyl alcohol	4.537	108	102620	84.95	ppm		98
14) bis(2-chloroisopropyl)...	4.660	45	178962	81.07	ppm		83
15) o-cresol	4.631	108	139697	85.98	ppm		81
16) Acetophenone	4.760	105	224175	82.43	ppm		96
17) Hexachloroethane	4.843	117	68901	81.79	ppm		91
18) N-Nitroso-di-n-propyla...	4.778	70	105251	82.71	ppm		85
19) m+p-cresols	4.749	108	302988	170.50	ppm		97
20) 4-methylphenol	4.749	108	302988	170.54	ppm		97
25) Nitrobenzene	4.907	77	170655	79.02	ppm		93
26) Isophorone	5.096	82	290293	82.57	ppm		99
27) 2-Nitrophenol	5.172	139	83722	84.52	ppm		88
28) 2,4-Dimethylphenol	5.190	107	153128	82.90	ppm		97
29) bis(2-Chloroethoxy)met...	5.272	93	173481	81.47	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.272	105	117860	105.90	ppm		92
31) 2,4-Dichlorophenol	5.366	162	136507	83.63	ppm		99
32) 1,2,4-Trichlorobenzene	5.443	180	147150	79.28	ppm		97
33) Naphthalene	5.501	128	460263	79.67	ppm		99
34) 2,6-Dichlorophenol	5.566	162	132676	81.21	ppm		94
35) 4-Chloroaniline	5.554	127	195522	82.47	ppm		100
36) Hexachlorobutadiene	5.649	225	93063	80.50	ppm		98
37) 4-Chloro-3-methylphenol	5.954	107	133116	85.08	ppm		92
38) 2-Methylnaphthalene	6.090	142	329038	81.41	ppm		95
39) 1-Methylnaphthalene	6.190	142	317890	80.22	ppm		93
40) 1,2,4,5-Tetrachloroben...	6.272	216	168769	77.33	ppm		100
44) Pentachloronitrobenzene	8.407	237	48472	86.95	ppm		96
45) Hexachlorocyclopentadiene	6.290	237	111120	86.16	ppm		98
46) 2,4,6-Trichlorophenol	6.354	196	107277	87.29	ppm		93
47) 2,4,5-Trichlorophenol	6.384	196	111256	84.96	ppm		99
49) 2-Chloronaphthalene	6.513	162	293904	80.48	ppm		94
50) Acenaphthylene	6.890	152	490303	83.68	ppm		100
51) Dimethylphthalate	6.807	163	344670	83.57	ppm		100
52) 2,4-Dinitrotoluene	7.225	165	105039	86.92	ppm		96
53) Acenaphthene	7.054	153	316498	83.17	ppm		99
54) 2,4-Dinitrophenol	7.084	184	54411	94.72	ppm		96
55) Dibenzofuran	7.201	168	446301	82.76	ppm		99
56) 2,6-Dinitrotoluene	6.866	165	82198	91.25	ppm		73
57) 4-Nitrophenol	7.125	65	68946	86.42	ppm	#	76
58) 2,3,4,6-Tetrachlorophenol	7.348	232	99182	91.28	ppm		100
59) Fluorene	7.525	166	361247	83.64	ppm		100
60) 4-Chlorophenyl-phenyle...	7.519	204	176034	82.76	ppm		98
61) Diethylphthalate	7.454	149	345081	84.36	ppm		98
62) 2-nitroaniline	6.625	138	99381	89.98	ppm		90
63) 3-nitroaniline	6.995	138	86569	86.86	ppm		93
64) 4-nitroaniline	7.572	138	83664	84.83	ppm		85
68) 4,6-Dinitro-2-methylph...	7.613	198	73851	95.45	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	260791	84.95	ppm		98
70) 1,2-Diphenylhydrazine	7.666	77	332090	82.14	ppm		96
72) 4-Bromophenyl-phenylether	7.990	248	105847	82.73	ppm		99
73) Hexachlorobenzene	8.148	284	118666	81.09	ppm		99
74) Pentachlorophenol	8.325	266	82047	95.21	ppm		98
75) Phenanthrene	8.484	178	529132	82.23	ppm		100
76) Anthracene	8.531	178	556788	85.40	ppm		99
77) Carbazole	8.695	167	500802	87.62	ppm		99
78) Di-n-butylphthalate	9.119	149	613562	89.98	ppm		100
79) Fluoranthene	9.784	202	577075	86.86	ppm		98
83) Benzidine	9.925	184	206250	95.20	ppm		99
84) Pyrene	10.036	202	624149	83.22	ppm		100
86) 3,3-Dimethylbenzidine	10.789	212	268450	96.58	ppm		100
87) Butylbenzylphthalate	10.831	149	260925	86.20	ppm		95
88) 3,3'-Dichlorobenzidine	11.419	252	231674	98.82	ppm		99
89) Benzo[a]anthracene	11.430	228	576686	85.77	ppm		100
90) Chrysene	11.483	228	559366	82.46	ppm		98
91) bis(2-Ethylhexyl)phtha...	11.542	149	380195	93.97	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration

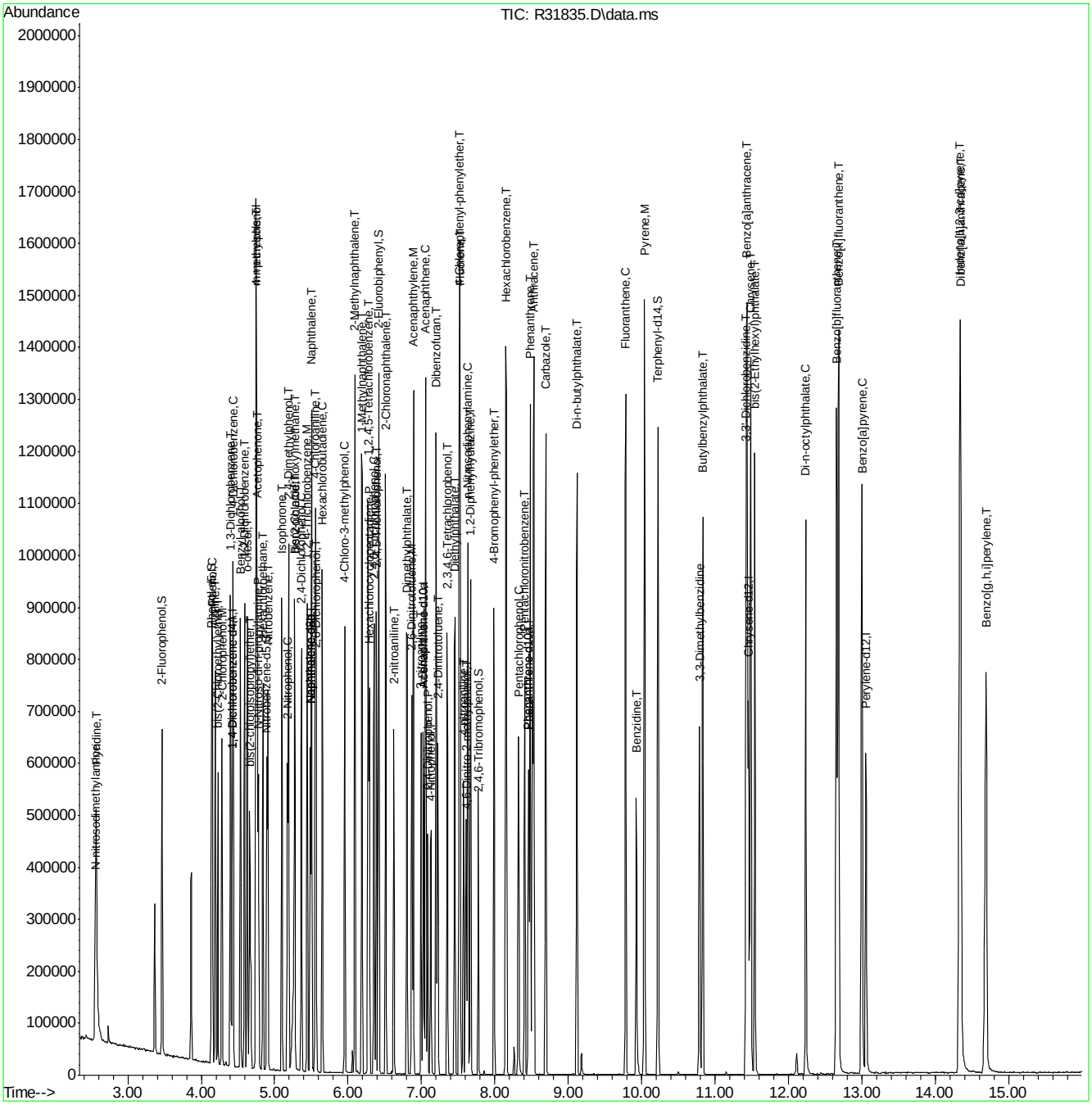
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	613966	103.10	ppm	99
94) Benzo[b]fluoranthene	12.654	252	605090	84.71	ppm	99
95) Benzo[k]fluoranthene	12.683	252	622047	88.23	ppm	97
96) Benzo[a]pyrene	13.001	252	570752	91.86	ppm	96
97) Indeno[1,2,3-cd]pyrene	14.336	276	702968	90.54	ppm	91
98) Dibenz[a,h]anthracene	14.342	278	559431	88.94	ppm	99
99) Benzo[g,h,i]perylene	14.689	276	577222	88.23	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31835.D
Acq On : 28 Jun 2013 9:42 pm
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 08:22:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:20:04 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24849

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	54158	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	54158	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	200776	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	200776	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	125917	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	125917	40.00	ppm	0.00
67) Phenanthrene-d10	8.460	188	221086	40.00	ppm	0.00
80) Phenanthrene-d10a	8.460	188	221086	40.00	ppm	0.00
82) Chrysene-d12	11.460	240	241245	40.00	ppm	0.00
92) Perylene-d12	13.060	264	234497	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	200776m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	206362	127.50	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 127.50%			
7) Phenol-d5	4.143	99	259408	126.43	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 126.43%			
24) Nitrobenzene-d5	4.895	82	236116	124.74	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 249.48%#			
48) 2-Fluorobiphenyl	6.425	172	514301	123.76	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 247.52%#			
71) 2,4,6-Tribromophenol	7.778	330	86880	136.74	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 136.74%#			
85) Terphenyl-d14	10.224	244	647239	127.36	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 254.72%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.554	74	133517	127.52	ug/l #	81
3) Pyridine	2.566	79	238557	123.95	ppm	89
4) Aniline	4.190	93	312582	128.92	ppm #	1
6) bis(2-Chloroethyl)ether	4.225	63	147175	127.21	ppm	85
8) Phenol	4.154	94	261710	128.78	ppm	98
9) 2-Chlorophenol	4.284	128	224163	131.24	ppm	97
10) 1,3-Dichlorobenzene	4.395	146	243499	124.66	ppm	98
11) 1,4-Dichlorobenzene	4.437	146	255712	126.21	ppm	97
12) 1,2-Dichlorobenzene	4.590	146	234064	129.79	ppm	99
13) Benzyl alcohol	4.537	108	143767	131.33	ppm	98
14) bis(2-chloroisopropyl)...	4.660	45	247142	124.79	ppm	81
15) o-cresol	4.631	108	189936	128.99	ppm	79
16) Acetophenone	4.766	105	310217	126.80	ppm	98
17) Hexachloroethane	4.842	117	95857	126.65	ppm	91
18) N-Nitroso-di-n-propyla...	4.784	70	146586	127.97	ppm	86
19) m+p-cresols	4.754	108	420159	261.28	ppm	98
20) 4-methylphenol	4.754	108	420159	261.33	ppm	98
25) Nitrobenzene	4.907	77	233401	121.28	ppm	92
26) Isophorone	5.095	82	406653	128.86	ppm	98
27) 2-Nitrophenol	5.178	139	116124	129.83	ppm	97
28) 2,4-Dimethylphenol	5.190	107	217491	130.92	ppm	95
29) bis(2-Chloroethoxy)met...	5.272	93	241373	126.48	ppm	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.284	105	168394	156.77	ppm		96
31) 2,4-Dichlorophenol	5.366	162	187778	127.69	ppm		97
32) 1,2,4-Trichlorobenzene	5.448	180	204227	123.41	ppm		99
33) Naphthalene	5.501	128	642164	124.57	ppm		99
34) 2,6-Dichlorophenol	5.566	162	186478	127.45	ppm		96
35) 4-Chloroaniline	5.554	127	268103	125.88	ppm		100
36) Hexachlorobutadiene	5.648	225	129200	125.04	ppm		100
37) 4-Chloro-3-methylphenol	5.954	107	183644	129.80	ppm		97
38) 2-Methylnaphthalene	6.089	142	452390	124.99	ppm		96
39) 1-Methylnaphthalene	6.189	142	433056	122.34	ppm		96
40) 1,2,4,5-Tetrachloroben...	6.272	216	232522	119.99	ppm		98
44) Pentachloronitrobenzene	8.407	237	66864	128.72	ppm		96
45) Hexachlorocyclopentadiene	6.289	237	157499	131.87	ppm		96
46) 2,4,6-Trichlorophenol	6.354	196	147593	129.32	ppm		96
47) 2,4,5-Trichlorophenol	6.384	196	153108	126.64	ppm		100
49) 2-Chloronaphthalene	6.519	162	411276	123.36	ppm		97
50) Acenaphthylene	6.889	152	681362	126.54	ppm		99
51) Dimethylphthalate	6.807	163	475981	125.60	ppm		99
52) 2,4-Dinitrotoluene	7.225	165	147554	131.60	ppm		91
53) Acenaphthene	7.060	153	435291	124.60	ppm		100
54) 2,4-Dinitrophenol	7.089	184	79663	143.27	ppm		91
55) Dibenzofuran	7.201	168	620765	125.49	ppm		97
56) 2,6-Dinitrotoluene	6.872	165	114393	135.43	ppm	#	62
57) 4-Nitrophenol	7.131	65	95470	128.63	ppm		87
58) 2,3,4,6-Tetrachlorophenol	7.354	232	134031	131.54	ppm		98
59) Fluorene	7.525	166	499158	125.77	ppm		99
60) 4-Chlorophenyl-phenyle...	7.519	204	240768	123.41	ppm		95
61) Diethylphthalate	7.454	149	476544	126.58	ppm		98
62) 2-nitroaniline	6.625	138	137621	133.29	ppm		91
63) 3-nitroaniline	6.995	138	119043	128.22	ppm		88
64) 4-nitroaniline	7.578	138	119501	130.88	ppm		88
68) 4,6-Dinitro-2-methylph...	7.613	198	101635	137.27	ppm		100
69) n-Nitrosodiphenylamine	7.636	169	360102	127.18	ppm		98
70) 1,2-Diphenylhydrazine	7.672	77	456935	123.25	ppm		97
72) 4-Bromophenyl-phenylether	7.989	248	148681	126.58	ppm		97
73) Hexachlorobenzene	8.148	284	164135	122.58	ppm		99
74) Pentachlorophenol	8.325	266	116494	141.36	ppm		97
75) Phenanthrene	8.483	178	722841	122.47	ppm		99
76) Anthracene	8.530	178	764579	127.03	ppm		99
77) Carbazole	8.695	167	706065	133.20	ppm		99
78) Di-n-butylphthalate	9.119	149	847814	132.88	ppm		99
79) Fluoranthene	9.783	202	795520	129.31	ppm		100
83) Benzidine	9.930	184	282972	140.93	ppm		99
84) Pyrene	10.042	202	870788	129.17	ppm		97
86) 3,3-Dimethylbenzidine	10.789	212	366855	141.93	ppm		100
87) Butylbenzylphthalate	10.830	149	370106	134.85	ppm		97
88) 3,3'-Dichlorobenzidine	11.424	252	323904	147.78	ppm		98
89) Benzo[a]anthracene	11.436	228	800204	131.71	ppm		100
90) Chrysene	11.489	228	780853	128.27	ppm		99
91) bis(2-Ethylhexyl)phtha...	11.542	149	534624	142.99	ppm		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration

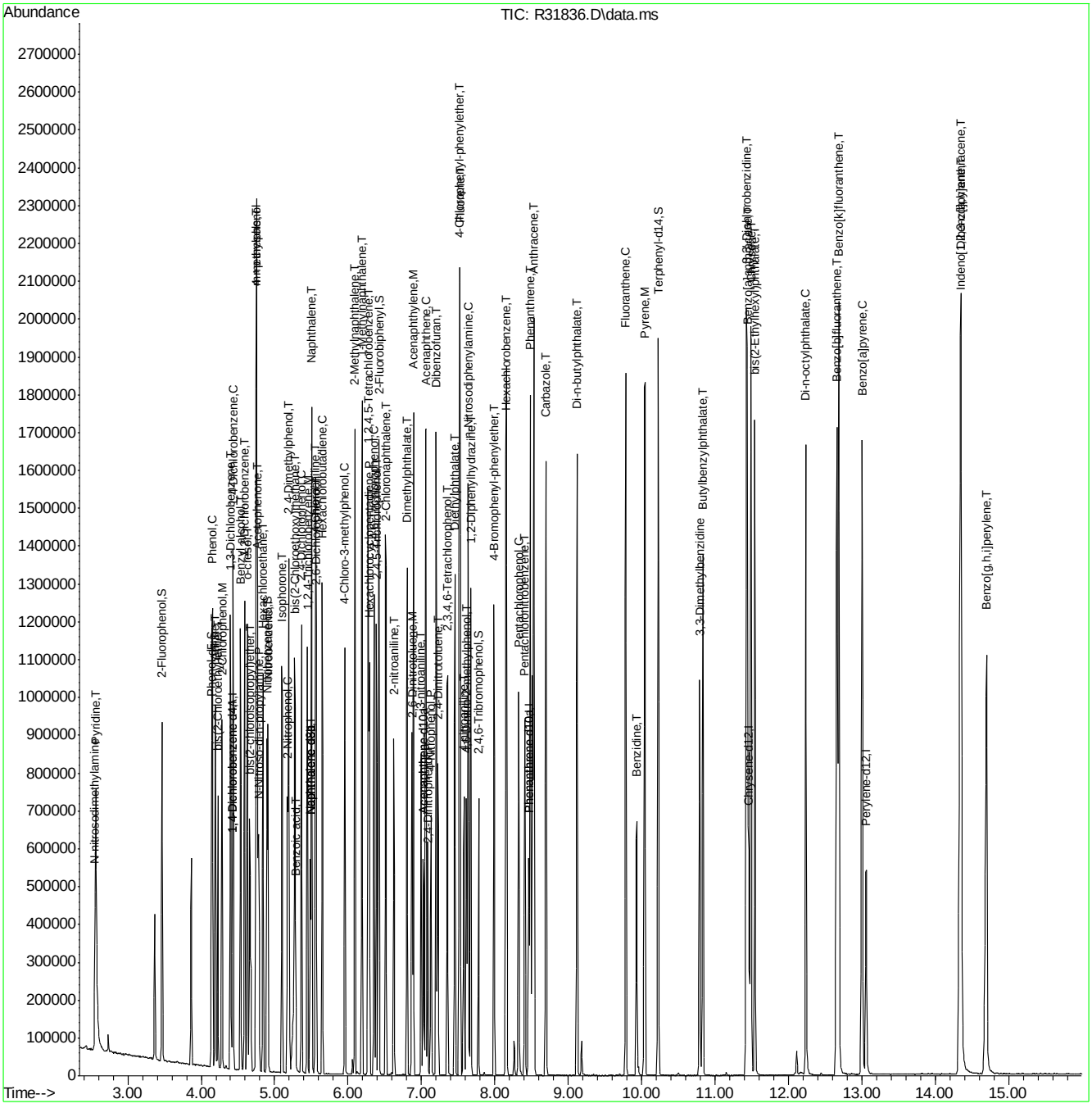
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	881487	156.57	ppm	99
94) Benzo[b]fluoranthene	12.660	252	907022	140.68	ppm	98
95) Benzo[k]fluoranthene	12.683	252	813670	126.95	ppm	98
96) Benzo[a]pyrene	13.001	252	784721	137.90	ppm	98
97) Indeno[1,2,3-cd]pyrene	14.342	276	992175	139.90	ppm	95
98) Dibenz[a,h]anthracene	14.348	278	797085	139.18	ppm	98
99) Benzo[g,h,i]perylene	14.695	276	806240	135.55	ppm	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31836.D
Acq On : 28 Jun 2013 10:05 pm
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:34:52 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:22:20 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	50272	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	50272	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	179223	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	179223	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	113814	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	113814	40.00	ppm	0.00
67) Phenanthrene-d10	8.460	188	198099	40.00	ppm	0.00
80) Phenanthrene-d10a	8.460	188	198099	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	218244	40.00	ppm	0.00
92) Perylene-d12	13.054	264	210724	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	179232m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.466	112	253032	166.93	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 166.93%#			
7) Phenol-d5	4.148	99	320502	167.00	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 167.00%#			
24) Nitrobenzene-d5	4.895	82	288990	170.07	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 340.14%#			
48) 2-Fluorobiphenyl	6.425	172	620525	164.47	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 328.94%#			
71) 2,4,6-Tribromophenol	7.778	330	105558	181.20	ppm	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 181.20%#			
85) Terphenyl-d14	10.224	244	785889	169.46	ppm	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 338.92%#			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.554	74	164142	167.14	ug/l	84
3) Pyridine	2.566	79	288336	160.51	ppm	91
4) Aniline	4.195	93	383349	168.54	ppm #	1
6) bis(2-Chloroethyl)ether	4.225	63	178550	164.85	ppm	84
8) Phenol	4.154	94	322550	169.21	ppm	97
9) 2-Chlorophenol	4.284	128	271462	168.95	ppm	100
10) 1,3-Dichlorobenzene	4.395	146	300207	164.66	ppm	98
11) 1,4-Dichlorobenzene	4.437	146	314444	165.97	ppm	96
12) 1,2-Dichlorobenzene	4.590	146	285461	168.56	ppm	100
13) Benzyl alcohol	4.537	108	174167	168.75	ppm	95
14) bis(2-chloroisopropyl)...	4.660	45	305677	165.34	ppm	81
15) o-cresol	4.631	108	234170	169.51	ppm	81
16) Acetophenone	4.766	105	376289	164.36	ppm	100
17) Hexachloroethane	4.842	117	115747	163.46	ppm	92
18) N-Nitroso-di-n-propyla...	4.784	70	179357	167.09	ppm	85
19) m+p-cresols	4.754	108	516535	341.72	ppm	98
20) 4-methylphenol	4.754	108	516535	341.77	ppm	98
25) Nitrobenzene	4.913	77	286519	166.53	ppm	97
26) Isophorone	5.101	82	497277	174.68	ppm	98
27) 2-Nitrophenol	5.178	139	145555	179.85	ppm	98
28) 2,4-Dimethylphenol	5.190	107	264615	175.78	ppm	96
29) bis(2-Chloroethoxy)met...	5.278	93	294839	171.53	ppm	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Benzoic acid	5.290	105	209388	205.77	ppm		92
31) 2,4-Dichlorophenol	5.366	162	232823	175.48	ppm		98
32) 1,2,4-Trichlorobenzene	5.448	180	254785	171.78	ppm		98
33) Naphthalene	5.501	128	803204	173.61	ppm		99
34) 2,6-Dichlorophenol	5.566	162	225612	170.97	ppm		96
35) 4-Chloroaniline	5.560	127	333729	174.11	ppm		100
36) Hexachlorobutadiene	5.648	225	155868	167.98	ppm		98
37) 4-Chloro-3-methylphenol	5.954	107	224748	175.57	ppm		99
38) 2-Methylnaphthalene	6.095	142	558643	171.89	ppm		95
39) 1-Methylnaphthalene	6.189	142	530263	167.35	ppm		95
40) 1,2,4,5-Tetrachloroben...	6.272	216	283132	163.68	ppm		100
44) Pentachloronitrobenzene	8.413	237	83018	174.28	ppm		98
45) Hexachlorocyclopentadiene	6.289	237	194667	177.40	ppm		98
46) 2,4,6-Trichlorophenol	6.354	196	179613	171.89	ppm		94
47) 2,4,5-Trichlorophenol	6.384	196	187671	170.16	ppm		96
49) 2-Chloronaphthalene	6.519	162	500046	165.28	ppm		96
50) Acenaphthylene	6.889	152	834518	170.14	ppm		100
51) Dimethylphthalate	6.807	163	583310	169.17	ppm		99
52) 2,4-Dinitrotoluene	7.231	165	182759	177.48	ppm		95
53) Acenaphthene	7.060	153	537854	169.40	ppm		99
54) 2,4-Dinitrophenol	7.089	184	97223	184.50	ppm		85
55) Dibenzofuran	7.201	168	756639	168.13	ppm		98
56) 2,6-Dinitrotoluene	6.872	165	138375	177.44	ppm	#	62
57) 4-Nitrophenol	7.131	65	118394	173.98	ppm		83
58) 2,3,4,6-Tetrachlorophenol	7.354	232	166949	178.41	ppm		98
59) Fluorene	7.531	166	616734	170.74	ppm		98
60) 4-Chlorophenyl-phenyle...	7.519	204	293229	165.61	ppm		96
61) Diethylphthalate	7.454	149	586849	171.12	ppm		97
62) 2-nitroaniline	6.625	138	170792	179.70	ppm		89
63) 3-nitroaniline	7.001	138	146154	171.81	ppm		95
64) 4-nitroaniline	7.578	138	146300	174.11	ppm		84
68) 4,6-Dinitro-2-methylph...	7.613	198	128568	188.37	ppm		100
69) n-Nitrosodiphenylamine	7.636	169	440260	172.06	ppm		99
70) 1,2-Diphenylhydrazine	7.672	77	564004	169.13	ppm		98
72) 4-Bromophenyl-phenylether	7.989	248	180393	170.06	ppm		97
73) Hexachlorobenzene	8.148	284	200255	166.40	ppm		99
74) Pentachlorophenol	8.325	266	141190	184.63	ppm		97
75) Phenanthrene	8.483	178	909636	171.50	ppm		98
76) Anthracene	8.530	178	938236	172.53	ppm		99
77) Carbazole	8.701	167	859533	178.17	ppm		99
78) Di-n-butylphthalate	9.119	149	1047691	180.04	ppm		100
79) Fluoranthene	9.783	202	986010	176.91	ppm		97
83) Benzidine	9.930	184	359721	198.04	ppm		99
84) Pyrene	10.042	202	1079071	175.03	ppm		97
86) 3,3-Dimethylbenzidine	10.789	212	452555	193.54	ppm		100
87) Butylbenzylphthalate	10.830	149	457121	180.38	ppm		95
88) 3,3'-Dichlorobenzidine	11.424	252	400871	194.66	ppm		97
89) Benzo[a]anthracene	11.436	228	980256	175.90	ppm		100
90) Chrysene	11.489	228	952946	171.35	ppm		99
91) bis(2-Ethylhexyl)phtha...	11.542	149	665537	190.68	ppm		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Di-n-octylphthalate	12.236	149	1096487	206.25	ppm	99
94) Benzo[b]fluoranthene	12.660	252	1081845	182.24	ppm	98
95) Benzo[k]fluoranthene	12.683	252	1028774	177.16	ppm	98
96) Benzo[a]pyrene	13.001	252	962978	184.39	ppm	99
97) Indeno[1,2,3-cd]pyrene	14.342	276	1197113	183.49	ppm	96
98) Dibenz[a,h]anthracene	14.348	278	971298	184.52	ppm	99
99) Benzo[g,h,i]perylene	14.695	276	965112	177.29	ppm	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

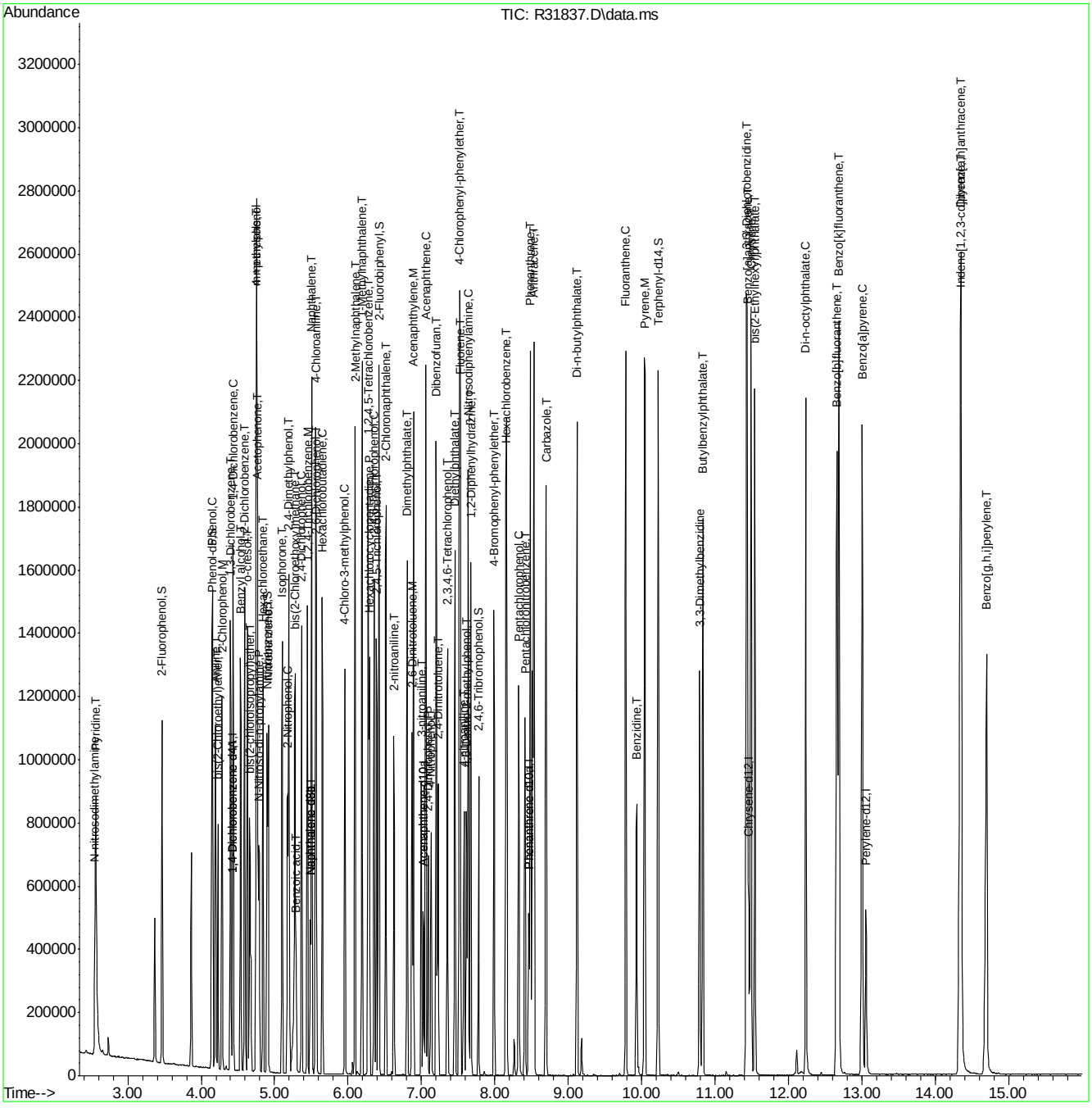
9.6.8

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31837.D
Acq On : 28 Jun 2013 10:27 pm
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 08:47:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:35:07 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC24849

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31839.D
Acq On : 28 Jun 2013 11:13 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 08 17:07:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:56:20 2013
Response via : Initial Calibration

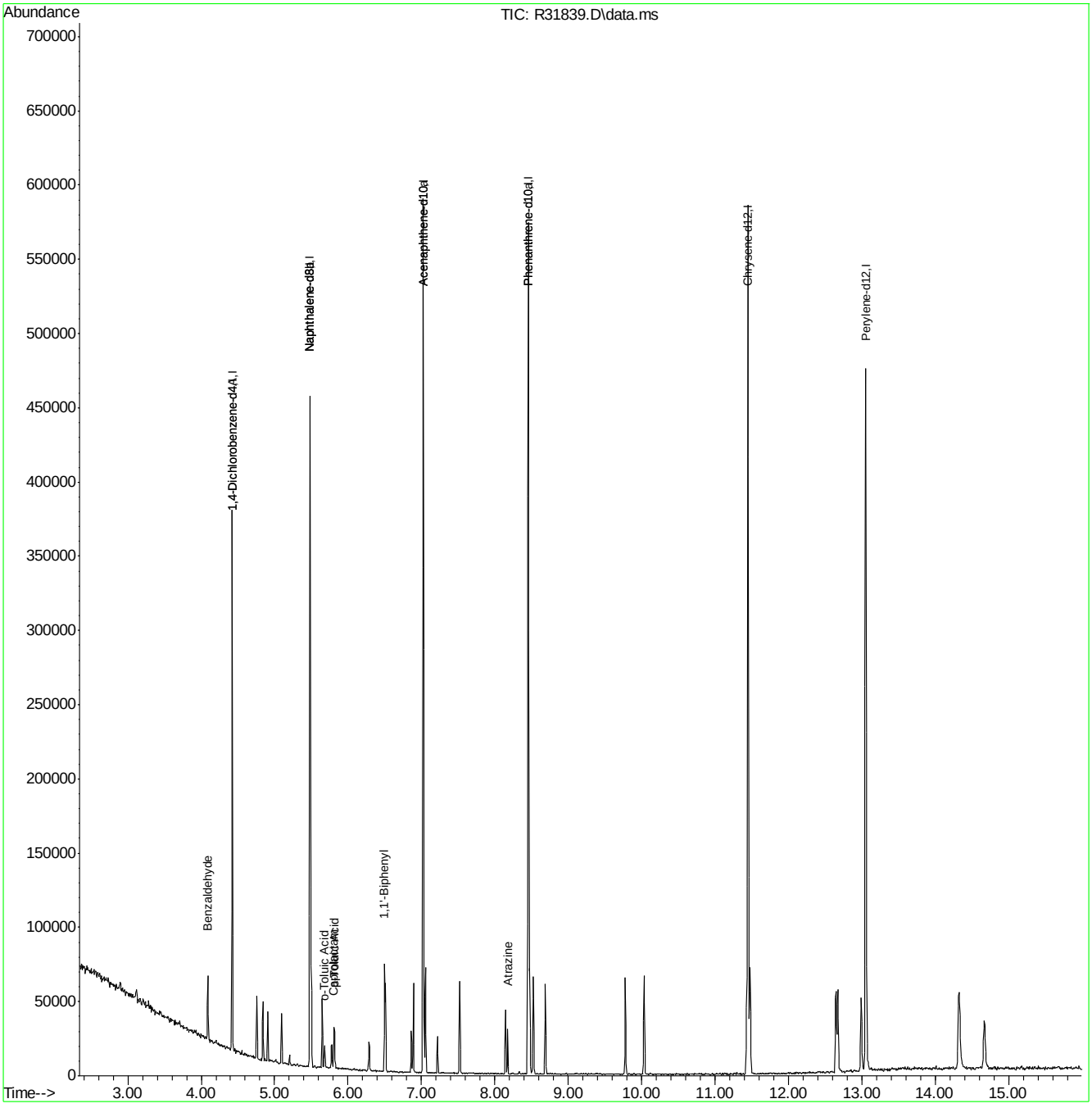
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	51755m	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	51769	40.00	PPM		0.00
23) Naphthalene-d8	5.478	136	185984m	40.00	ppm		0.00
41) Naphthalene-d8a	5.478	136	185981	40.00	ppm	#	0.00
43) Acenaphthene-d10	7.025	164	113905m	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	113927	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	203257m	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	202138	40.00	ppm		0.00
82) Chrysene-d12	11.448	240	217514m	40.00	ppm		0.00
92) Perylene-d12	13.054	264	214634m	40.00	ppm		0.00
100) Naphthalene-d8b	5.478	136	185989m	40.00	ug/mL		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
22) Benzaldehyde	4.090	77	5986m	4.51	ppm		
42) Caprolactam	5.807	55	2460	3.33	ppm	#	100
66) 1,1'-Biphenyl	6.495	154	20604	4.85	ppm	#	100
81) Atrazine	8.178	200	4006	3.69	ppm	#	100
101) o-Toluic Acid	5.678	118	2302m	2.57	ug/mL		
103) p-Toluic Acid	5.819	91	5443	3.49	ug/mL	#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31839.D
Acq On : 28 Jun 2013 11:13 pm
Operator : kristinr
Sample : IC1159-5
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 08 17:07:29 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:56:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31840.D
Acq On : 28 Jun 2013 11:36 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 08 17:07:14 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:57:50 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	43065m	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	43061	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	158287m	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	158278	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	95549m	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	95543	40.00	ppm		0.00
67) Phenanthrene-d10	8.454	188	175803m	40.00	ppm		0.00
80) Phenanthrene-d10a	8.454	188	174860	40.00	ppm		0.00
82) Chrysene-d12	11.448	240	186746m	40.00	ppm		0.00
92) Perylene-d12	13.054	264	183518m	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	158293m	40.00	ug/mL		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm		
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm		
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
22) Benzaldehyde	4.090	77	12205m	11.63	ppm		
42) Caprolactam	5.813	55	5213	9.96	ppm	#	100
66) 1,1'-Biphenyl	6.495	154	34137	9.73	ppm	#	100
81) Atrazine	8.178	200	7756	9.51	ppm	#	100
101) o-Toluic Acid	5.690	118	4927m	8.53	ug/mL		
103) p-Toluic Acid	5.825	91	11795	10.46	ug/mL	#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

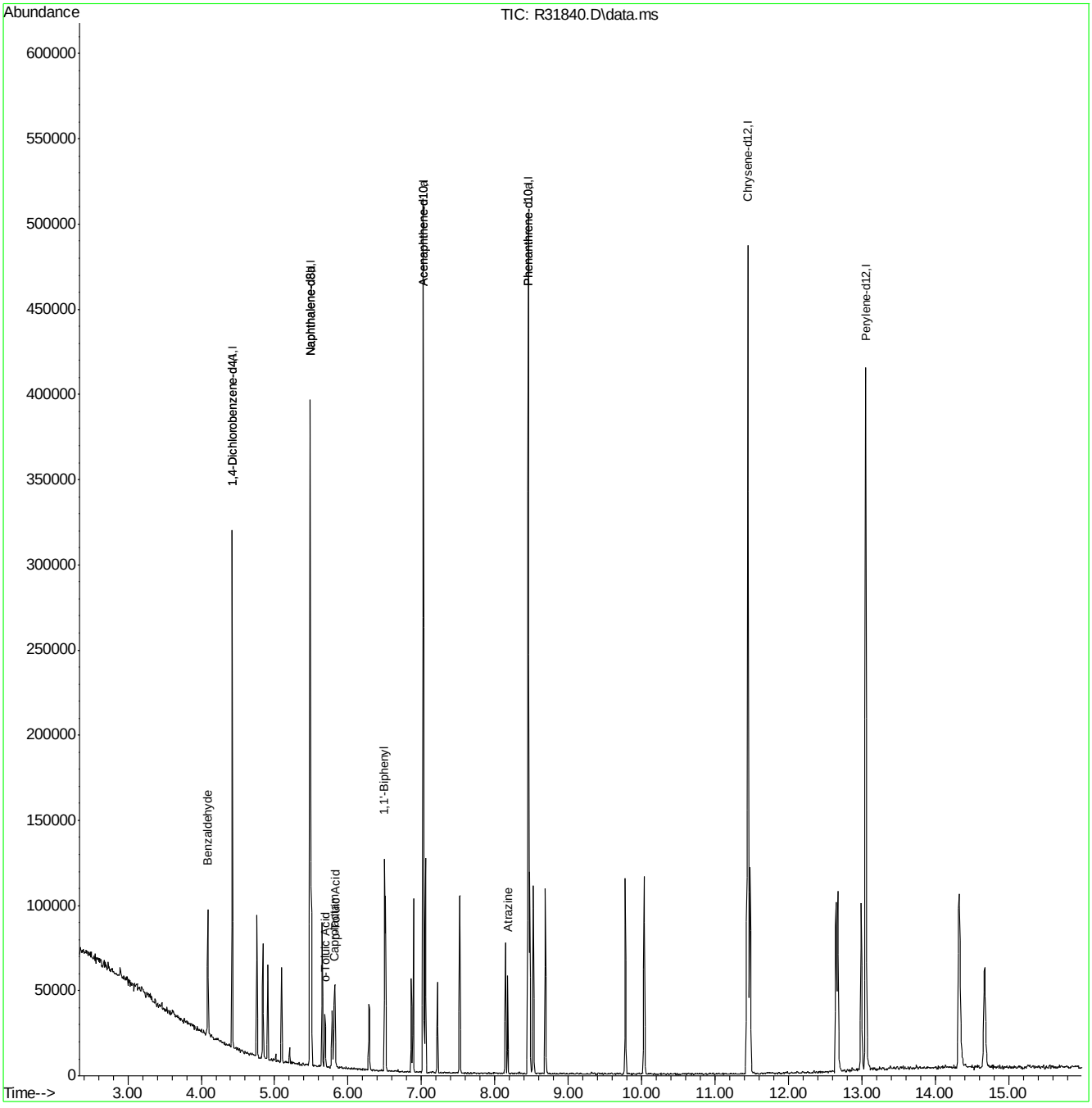
9.6.10

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31840.D
Acq On : 28 Jun 2013 11:36 pm
Operator : kristinr
Sample : IC1159-10
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 08 17:07:14 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:57:50 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31841.D
Acq On : 28 Jun 2013 11:59 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 08 17:07:54 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:58:44 2013
Response via : Initial Calibration

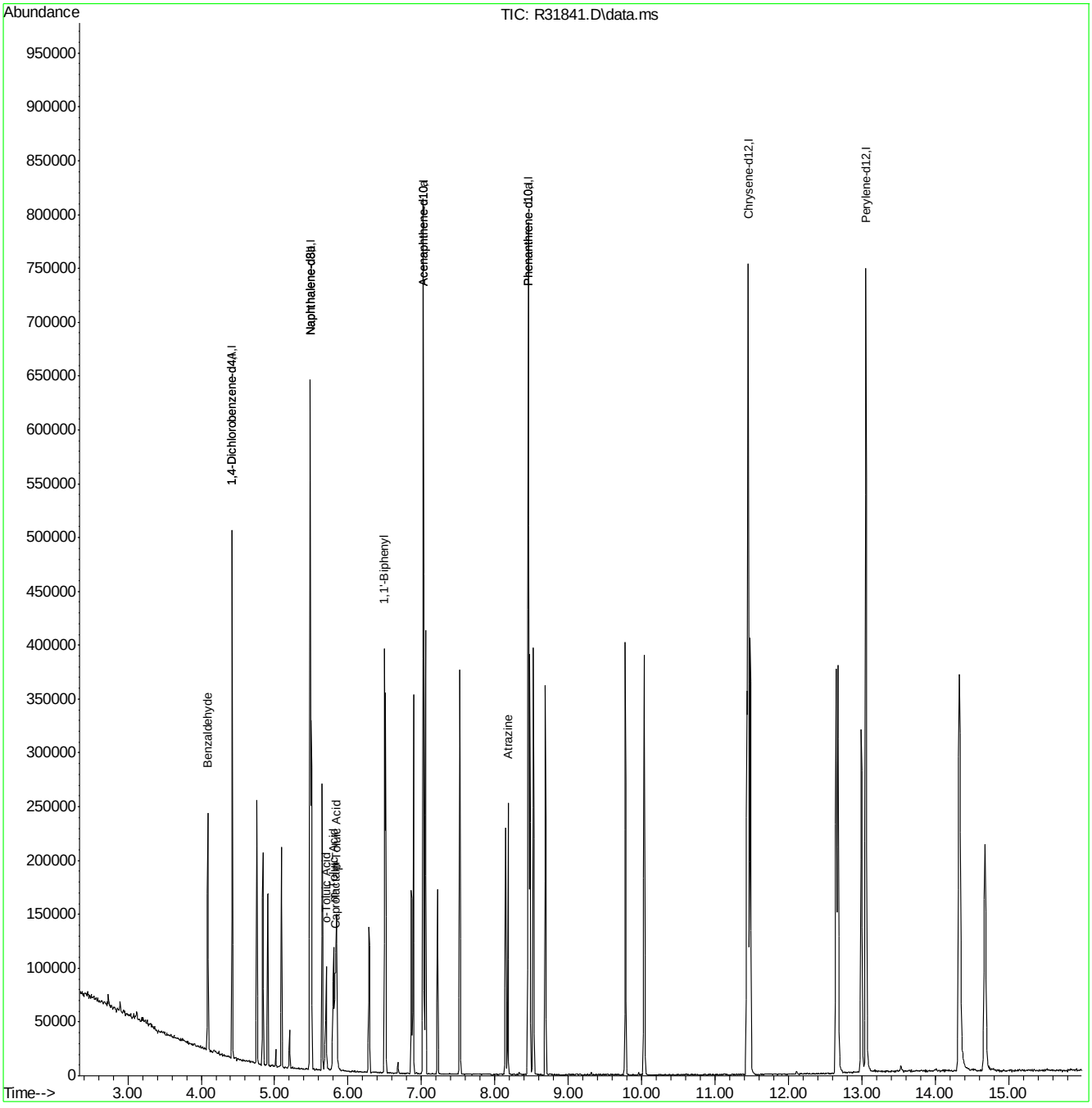
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.419	152	70121m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.419	152	70114	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	248909m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	248898	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	157195m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	157189	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	277532m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	275791	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	317196m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	311683m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	248932m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	35008m	19.43	ppm	
42) Caprolactam	5.825	55	18376	22.36	ppm	# 100
66) 1,1'-Biphenyl	6.495	154	109313	19.11	ppm	# 100
81) Atrazine	8.178	200	27375	21.64	ppm	# 100
101) o-Toluic Acid	5.701	118	19381m	22.43	ug/mL	
102) m-Toluic Acid	5.801	136	22150m	19.74	ug/mL	
103) p-Toluic Acid	5.842	91	38523	21.40	ug/mL#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31841.D
Acq On : 28 Jun 2013 11:59 pm
Operator : kristinr
Sample : IC1159-20
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 08 17:07:54 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 16:58:44 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31842.D
Acq On : 29 Jun 2013 12:21 am
Operator : kristinr
Sample : IC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 08 17:08:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:56:09 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	99665m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	99689	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	359948m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	359938	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	220423m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	220393	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	399652m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	397954	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	457283m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	457187m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	359814m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

9.6.12
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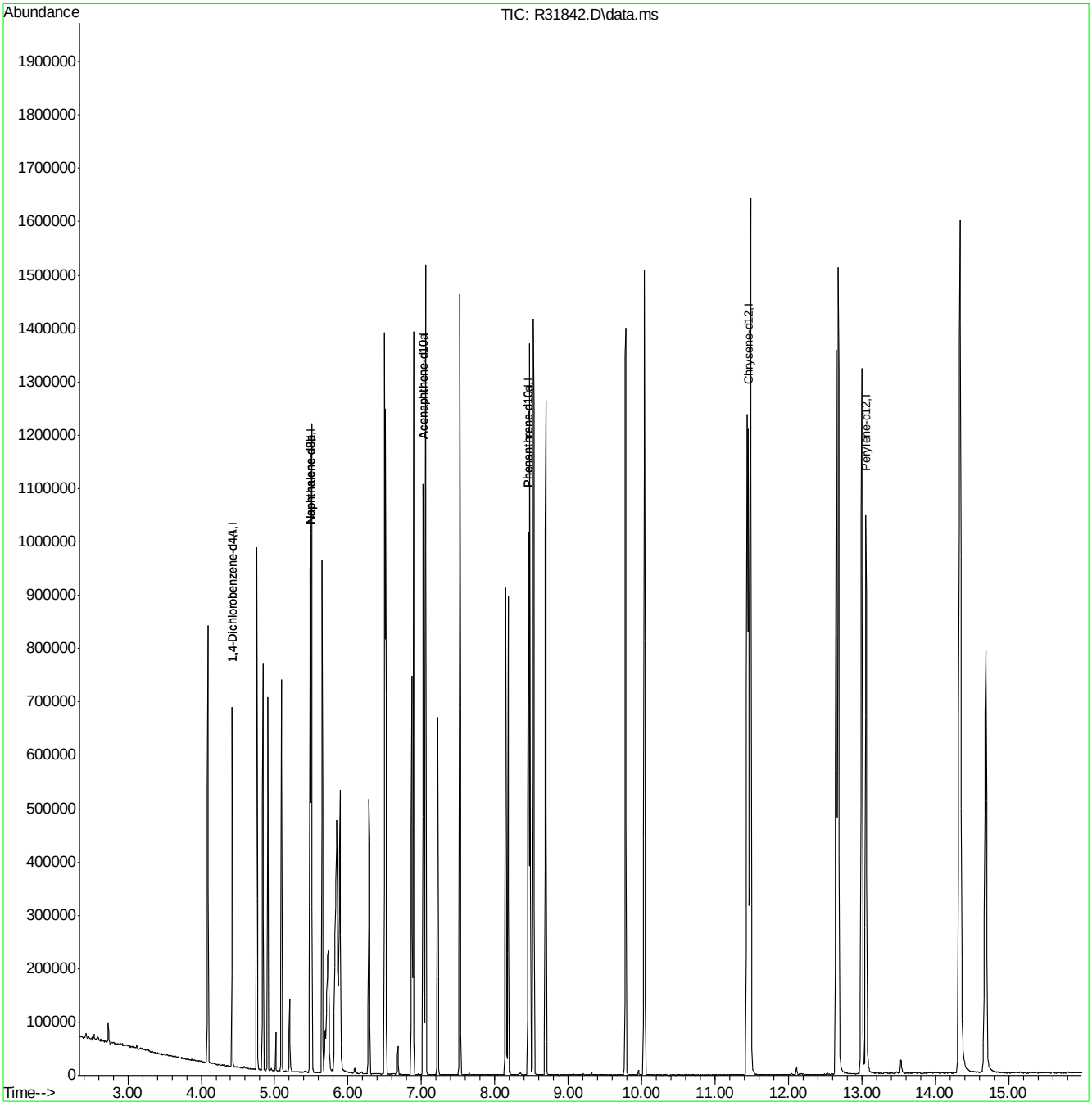
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31842.D
Acq On : 29 Jun 2013 12:21 am
Operator : kristinr
Sample : IC1159-50
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 08 17:08:15 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 01 08:56:09 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31843.D
Acq On : 29 Jun 2013 12:45 am
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 08 17:08:37 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:00:42 2013
Response via : Initial Calibration

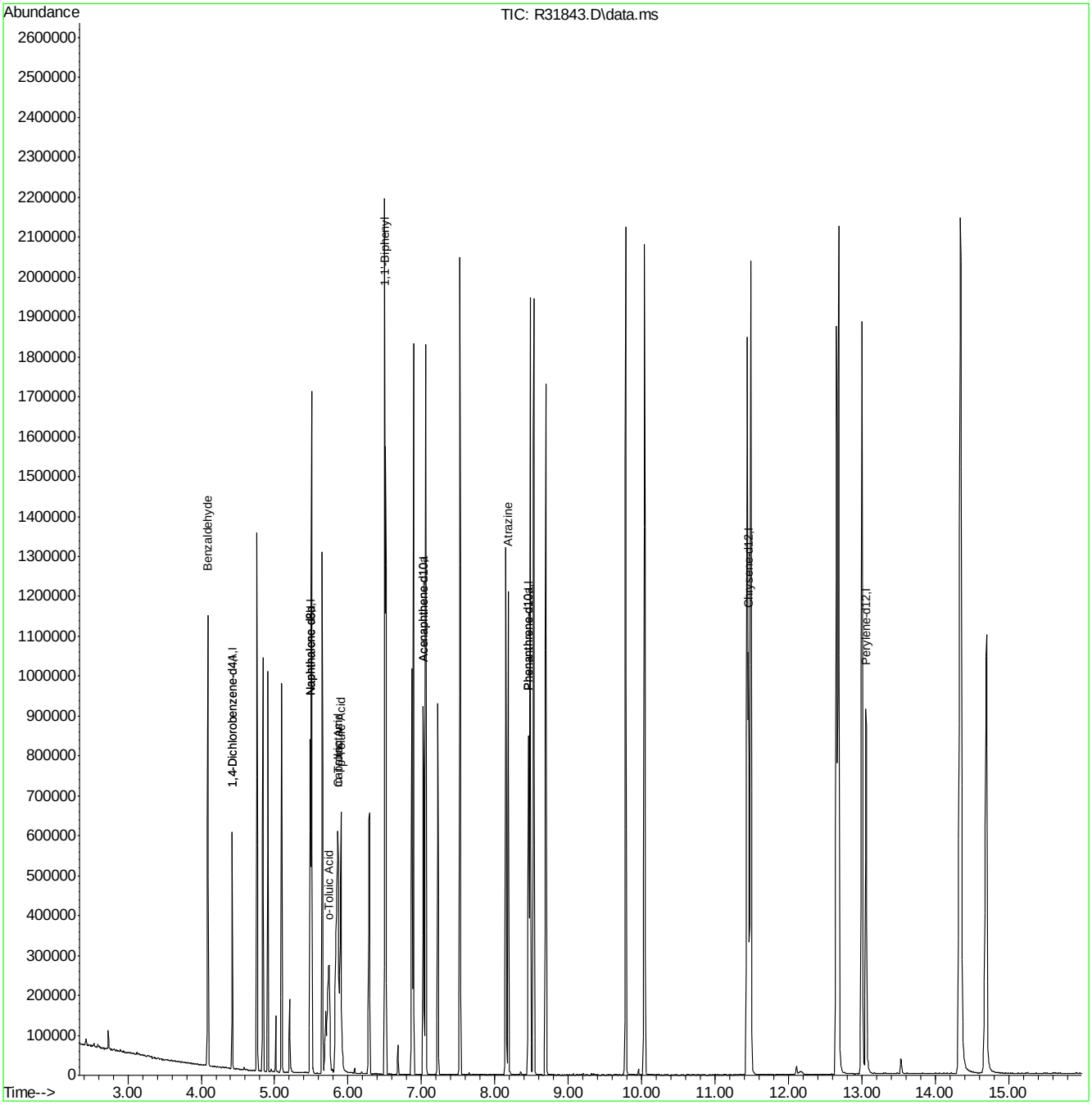
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	81660m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	81658	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	308277m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	308252	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	193654m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	193645	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	348848m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	347113	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	394970m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	393582m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	308242m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	168278m	80.76	ppm	
42) Caprolactam	5.860	55	96297m	91.89	ppm	
66) 1,1'-Biphenyl	6.501	154	566530	81.30	ppm	# 100
81) Atrazine	8.183	200	147503	90.77	ppm	# 100
101) o-Toluic Acid	5.742	118	125061m	113.45	ug/mL	
102) m-Toluic Acid	5.860	136	145492m	72.37	ug/mL	
103) p-Toluic Acid	5.907	91	194511m	85.77	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31843.D
Acq On : 29 Jun 2013 12:45 am
Operator : kristinr
Sample : IC1159-80
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 08 17:08:37 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:00:42 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31844.D
Acq On : 29 Jun 2013 1:08 am
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 08 17:09:01 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:02:34 2013
Response via : Initial Calibration

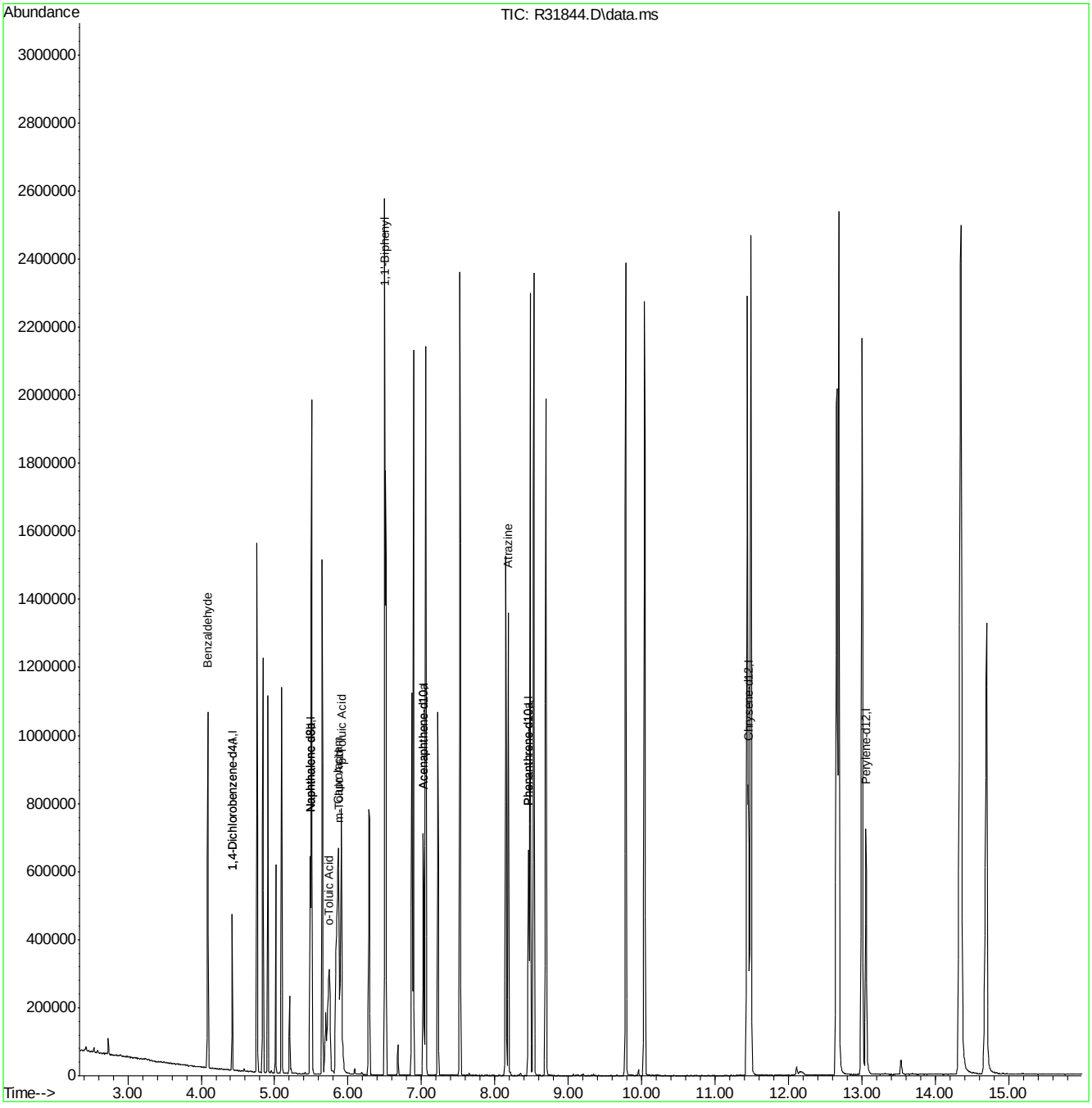
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	64215m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	64209	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	238587m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	238559	40.00	ppm	0.00
43) Acenaphthene-d10	7.025	164	145572m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.025	164	145605	40.00	ppm	0.00
67) Phenanthrene-d10	8.454	188	266422m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.454	188	265173	40.00	ppm	0.00
82) Chrysene-d12	11.454	240	302539m	40.00	ppm	0.00
92) Perylene-d12	13.054	264	297813m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	238559m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	155618m	94.80	ppm	
42) Caprolactam	5.866	55	115046m	137.76	ppm	
66) 1,1'-Biphenyl	6.501	154	658054	125.18	ppm	# 100
81) Atrazine	8.184	200	168957	132.53	ppm	# 100
101) o-Toluic Acid	5.742	118	148165m	160.27	ug/mL	
102) m-Toluic Acid	5.872	136	193444m	118.74	ug/mL	
103) p-Toluic Acid	5.913	91	228040m	128.08	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31844.D
Acq On : 29 Jun 2013 1:08 am
Operator : kristinr
Sample : IC1159-120
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 08 17:09:01 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:02:34 2013
Response via : Initial Calibration



R31845.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31845.D
Acq On : 29 Jun 2013 1:32 am
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 08 17:09:43 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:04:39 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.425	152	78085m	40.00	ppm	0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	78117	40.00	PPM	0.00
23) Naphthalene-d8	5.484	136	297117m	40.00	ppm	0.00
41) Naphthalene-d8a	5.484	136	297107	40.00	ppm	0.00
43) Acenaphthene-d10	7.031	164	188814m	40.00	ppm	0.00
65) Acenaphthene-d10a	7.031	164	188789	40.00	ppm	0.00
67) Phenanthrene-d10	8.460	188	338778m	40.00	ppm	0.00
80) Phenanthrene-d10a	8.460	188	337541	40.00	ppm	0.00
82) Chrysene-d12	11.460	240	388468m	40.00	ppm	0.00
92) Perylene-d12	13.060	264	386358m	40.00	ppm	0.00
100) Naphthalene-d8b	5.484	136	297107m	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	4.090	77	195827m	98.06	ppm	
42) Caprolactam	5.884	55	195090m	163.84	ppm	
66) 1,1'-Biphenyl	6.501	154	1134425	165.25	ppm	# 100
81) Atrazine	8.195	200	293647	177.86	ppm	# 100
101) o-Toluic Acid	5.719	118	261477m	165.37	ug/mL	
102) m-Toluic Acid	5.901	136	331757m	153.09	ug/mL	
103) p-Toluic Acid	5.948	91	379240m	169.13	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

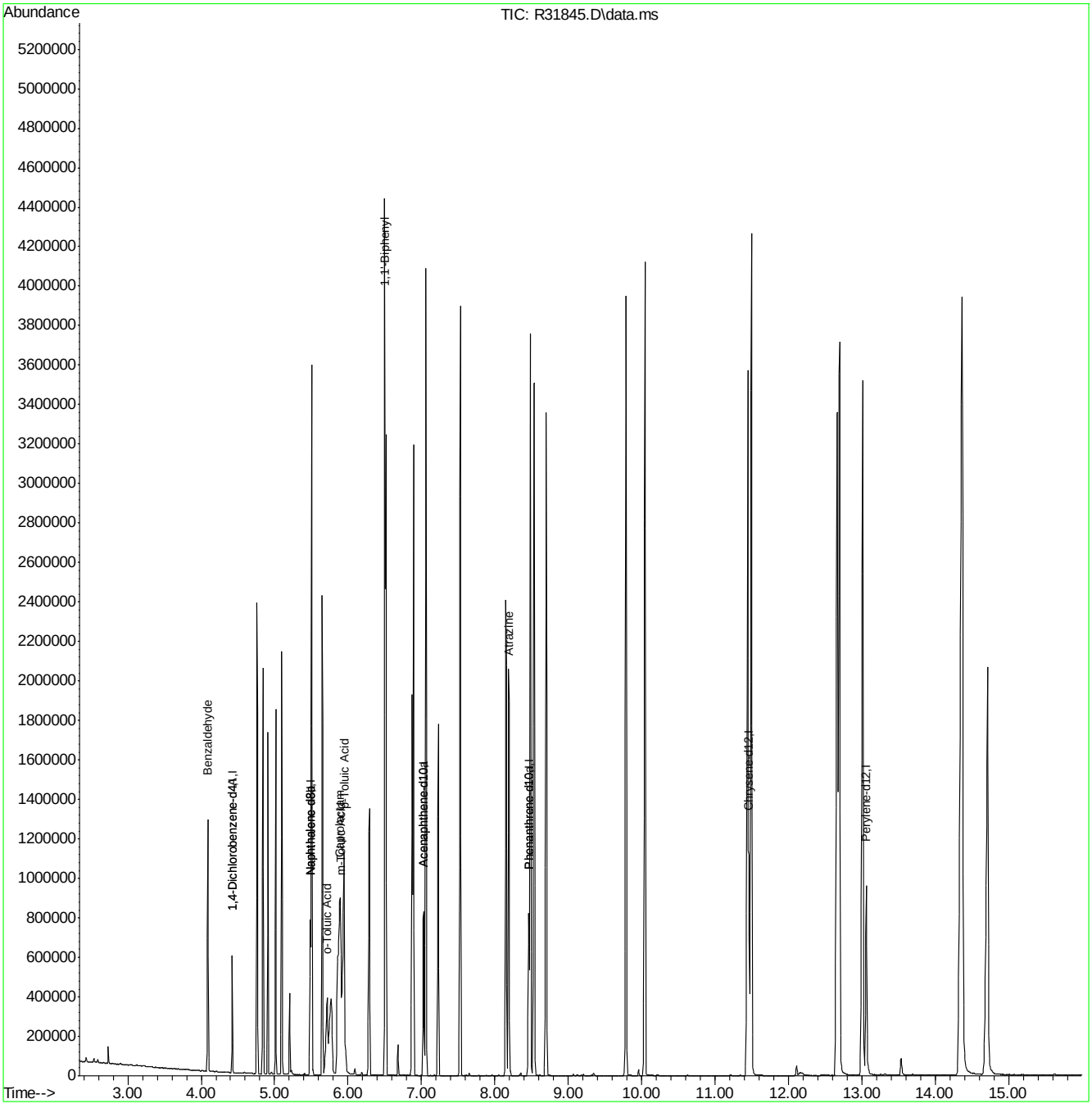
9.6.15

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130628\
Data File : R31845.D
Acq On : 29 Jun 2013 1:32 am
Operator : kristinr
Sample : IC1159-160
Misc : op33699,msr1159,1000,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 08 17:09:43 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:04:39 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Doug Yargeau
07/11/13 13:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.425	152	102428	40.00	ppm		0.00
21) 1,4-Dichlorobenzene-d4A	4.425	152	102428	40.00	PPM		0.00
23) Naphthalene-d8	5.484	136	396436	40.00	ppm		0.00
41) Naphthalene-d8a	5.484	136	396436	40.00	ppm		0.00
43) Acenaphthene-d10	7.025	164	260777	40.00	ppm		0.00
65) Acenaphthene-d10a	7.025	164	260777	40.00	ppm		0.00
67) Phenanthrene-d10	8.460	188	461001	40.00	ppm		0.00
80) Phenanthrene-d10a	8.460	188	461001	40.00	ppm		0.00
82) Chrysene-d12	11.454	240	522330	40.00	ppm		0.00
92) Perylene-d12	13.060	264	497815	40.00	ppm		0.00
100) Naphthalene-d8b	5.484	136	396436	40.00	ug/mL	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.466	112	162292	52.27	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 52.27%				
7) Phenol-d5	4.143	99	200950	51.11	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 51.11%				
24) Nitrobenzene-d5	4.890	82	181994	48.04	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 96.08%				
48) 2-Fluorobiphenyl	6.419	172	428486	49.39	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 98.78%				
71) 2,4,6-Tribromophenol	7.778	330	70554	51.08	ppm		0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 51.08%				
85) Terphenyl-d14	10.225	244	557458	49.86	ppm		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 99.72%				
Target Compounds							Qvalue
2) N-nitrosodimethylamine	2.554	74	98911	49.12	ug/l	#	81
3) Pyridine	2.566	79	162713	44.44	ppm		88
4) Aniline	4.190	93	210738	45.17	ppm	#	1
6) bis(2-Chloroethyl)ether	4.225	63	112249	50.67	ppm		90
8) Phenol	4.154	94	204234	52.21	ppm		98
9) 2-Chlorophenol	4.278	128	175569	53.26	ppm		96
10) 1,3-Dichlorobenzene	4.396	146	181775	48.76	ppm		98
11) 1,4-Dichlorobenzene	4.437	146	189184	48.78	ppm		97
12) 1,2-Dichlorobenzene	4.590	146	180024	51.83	ppm		98
13) Benzyl alcohol	4.537	108	106099	50.06	ppm		97
14) bis(2-chloroisopropyl)...	4.660	45	232887	61.57	ppm		79
15) o-cresol	4.631	108	148143	52.24	ppm		82
16) Acetophenone	4.760	105	232723	49.72	ppm		97
17) Hexachloroethane	4.843	117	72342	50.01	ppm		89
18) N-Nitroso-di-n-propyla...	4.778	70	117713	53.53	ppm		83
19) m+p-cresols	4.748	108	328647	105.81	ppm		99
20) 4-methylphenol	4.748	108	328647	105.83	ppm		99
22) Benzaldehyde	4.090	77	117515m	44.88	ppm		
25) Nitrobenzene	4.907	77	176054	46.03	ppm		95
26) Isophorone	5.095	82	301667	47.36	ppm		98
27) 2-Nitrophenol	5.172	139	89933	49.36	ppm		92
28) 2,4-Dimethylphenol	5.190	107	168483	49.90	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) bis(2-Chloroethoxy)met...	5.272	93	192217	50.04	ppm		98
30) Benzoic acid	5.272	105	136105	53.41	ppm		96
31) 2,4-Dichlorophenol	5.366	162	150620	50.62	ppm		100
32) 1,2,4-Trichlorobenzene	5.443	180	166612	50.32	ppm		98
33) Naphthalene	5.501	128	511298	49.44	ppm		99
34) 2,6-Dichlorophenol	5.566	162	145894	49.50	ppm		94
35) 4-Chloroaniline	5.554	127	167949	39.12	ppm		100
36) Hexachlorobutadiene	5.648	225	98872	47.87	ppm		96
37) 4-Chloro-3-methylphenol	5.960	107	144195	50.23	ppm		99
38) 2-Methylnaphthalene	6.090	142	343497	47.34	ppm		95
39) 1-Methylnaphthalene	6.184	142	339582	48.17	ppm		95
40) 1,2,4,5-Tetrachloroben...	6.272	216	179190	46.70	ppm		98
42) Caprolactam	5.831	55	74420	47.86	ppm	#	100
44) Pentachloronitrobenzene	8.407	237	52229	47.15	ppm		96
45) Hexachlorocyclopentadiene	6.290	237	61559	24.11	ppm		99
46) 2,4,6-Trichlorophenol	6.354	196	120111	49.64	ppm		97
47) 2,4,5-Trichlorophenol	6.390	196	131241	51.47	ppm		98
49) 2-Chloronaphthalene	6.513	162	347577	49.93	ppm		96
50) Acenaphthylene	6.889	152	558012m	49.26	ppm		
51) Dimethylphthalate	6.807	163	383077	48.14	ppm		99
52) 2,4-Dinitrotoluene	7.225	165	126189	52.66	ppm		98
53) Acenaphthene	7.054	153	359375	49.04	ppm		99
54) 2,4-Dinitrophenol	7.084	184	62344	50.10	ppm		91
55) Dibenzofuran	7.201	168	486232	46.86	ppm		99
56) 2,6-Dinitrotoluene	6.866	165	89759	49.46	ppm		73
57) 4-Nitrophenol	7.131	65	75053	47.44	ppm		87
58) 2,3,4,6-Tetrachlorophenol	7.354	232	109848	50.40	ppm		99
59) Fluorene	7.525	166	421393	50.49	ppm		99
60) 4-Chlorophenyl-phenyle...	7.513	204	203060	49.83	ppm		90
61) Diethylphthalate	7.454	149	407241	51.38	ppm		98
62) 2-nitroaniline	6.625	138	111580	50.35	ppm		92
63) 3-nitroaniline	6.995	138	74182	37.60	ppm		94
64) 4-nitroaniline	7.572	138	93866	48.05	ppm		86
66) 1,1'-Biphenyl	6.501	154	439270	46.11	ppm	#	100
68) 4,6-Dinitro-2-methylph...	7.613	198	89921	52.04	ppm		100
69) n-Nitrosodiphenylamine	7.631	169	289409	48.15	ppm		98
70) 1,2-Diphenylhydrazine	7.666	77	374751	47.95	ppm		98
72) 4-Bromophenyl-phenylether	7.989	248	117706	47.31	ppm		98
73) Hexachlorobenzene	8.148	284	142551	50.65	ppm		98
74) Pentachlorophenol	8.325	266	92571	50.72	ppm		100
75) Phenanthrene	8.483	178	617835	49.61	ppm		99
76) Anthracene	8.531	178	616762	48.26	ppm		99
77) Carbazole	8.695	167	581297	51.05	ppm		99
78) Di-n-butylphthalate	9.119	149	687192	49.85	ppm		100
79) Fluoranthene	9.783	202	704215	53.59	ppm		99
81) Atrazine	8.184	200	120641m	53.50	ppm		
83) Benzidine	9.925	184	288266	60.27	ppm		99
84) Pyrene	10.036	202	729336	48.86	ppm		99
87) Butylbenzylphthalate	10.830	149	307300	49.76	ppm		96
88) 3,3'-Dichlorobenzidine	11.419	252	193426	35.70	ppm		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration

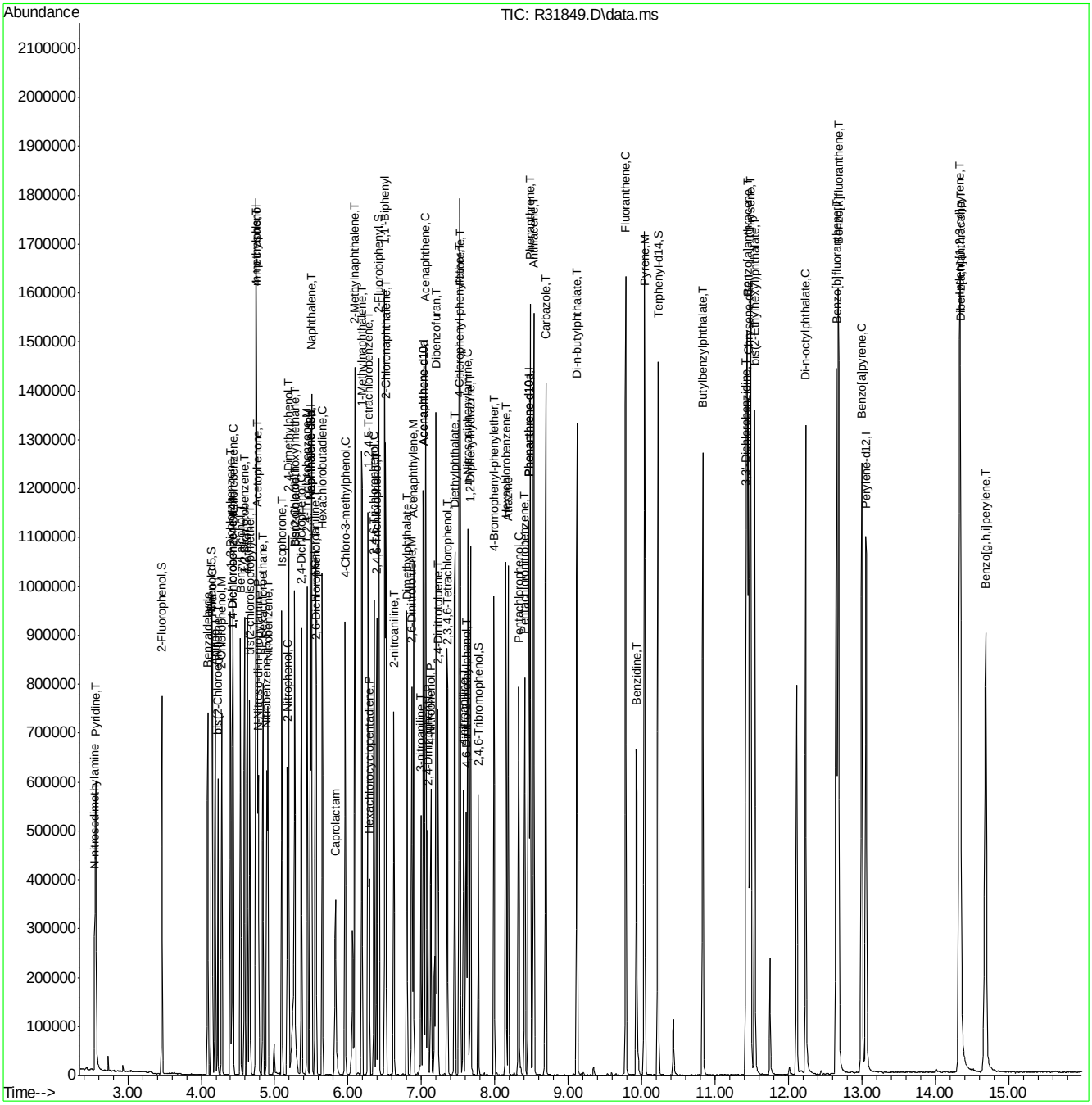
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89)	Benzo[a]anthracene	11.436	228	717890	53.16	ppm	98
90)	Chrysene	11.483	228	663099	49.38	ppm	99
91)	bis(2-Ethylhexyl)phtha...	11.542	149	455136	49.31	ppm	100
93)	Di-n-octylphthalate	12.230	149	771729	52.01	ppm	99
94)	Benzo[b]fluoranthene	12.654	252	726188	50.90	ppm	98
95)	Benzo[k]fluoranthene	12.677	252	726398	52.25	ppm	98
96)	Benzo[a]pyrene	12.995	252	600680	47.78	ppm	98
97)	Indeno[1,2,3-cd]pyrene	14.330	276	791853	50.45	ppm	91
98)	Dibenz[a,h]anthracene	14.342	278	639524	50.46	ppm	98
99)	Benzo[g,h,i]perylene	14.683	276	657776	50.47	ppm	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R130701\
Data File : R31849.D
Acq On : 1 Jul 2013 8:41 am
Operator : kristinr
Sample : ICV1159-50
Misc : op33699,msr1160,1000,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jul 08 17:16:27 2013
Quant Method : W:\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Mon Jul 08 17:06:27 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Kristin Renault
10/07/13 15:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R131007\
Data File : R34041.D
Acq On : 7 Oct 2013 2:19 pm
Operator : kristinr
Sample : cc1159-80
Misc : OP35080,MSR1238,560,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Oct 07 14:53:56 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration

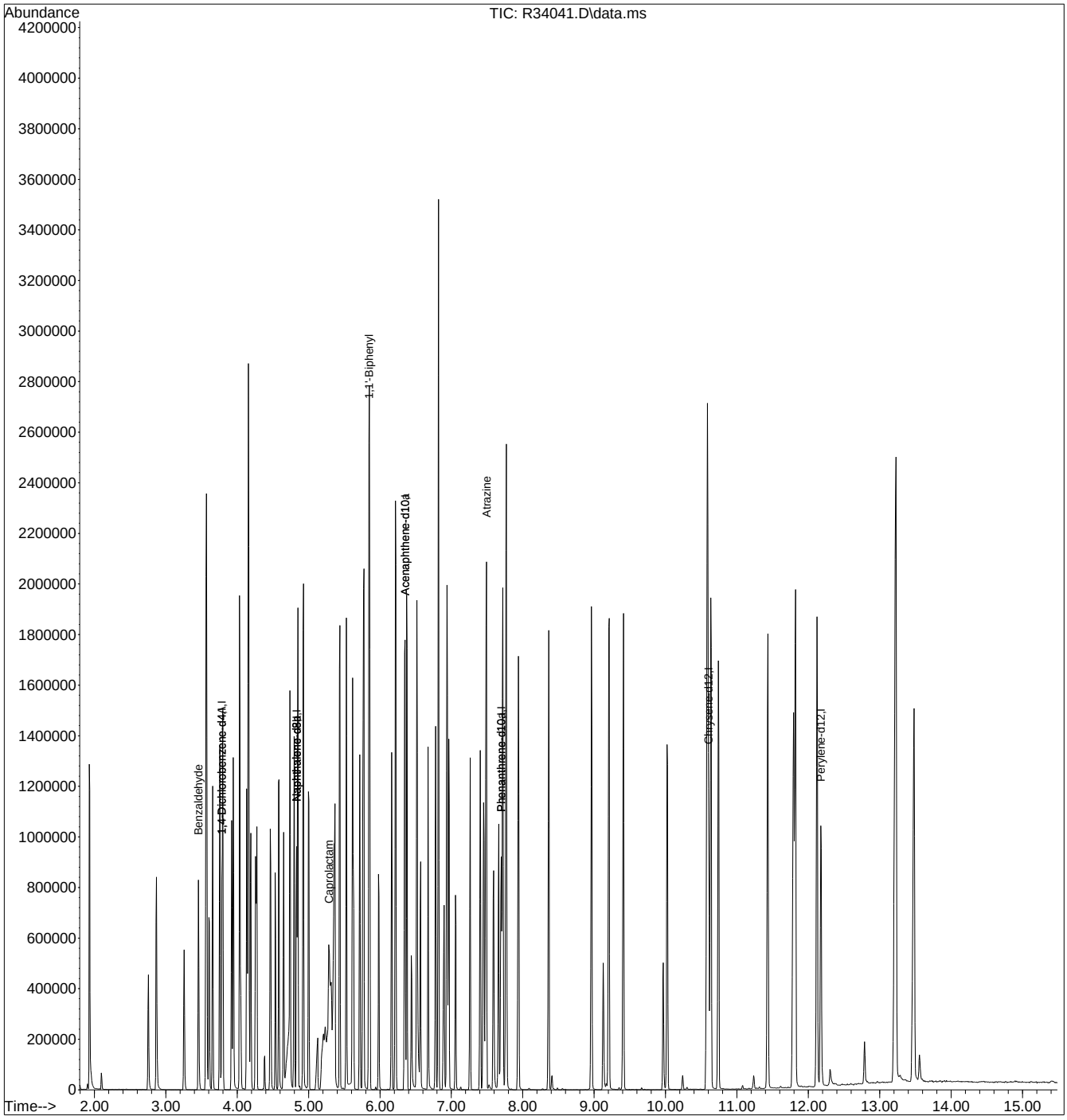
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.787	152	95958	40.00	ppm	-0.02
21) 1,4-Dichlorobenzene-d4A	3.787	152	95958	40.00	PPM	-0.02
23) Naphthalene-d8	4.834	136	358682	40.00	ppm	-0.02
41) Naphthalene-d8a	4.834	136	358701m	40.00	ppm	-0.02
43) Acenaphthene-d10	6.351	164	224573m	40.00	ppm	-0.02
65) Acenaphthene-d10a	6.351	164	224579	40.00	ppm	-0.02
67) Phenanthrene-d10	7.698	188	386197	40.00	ppm	-0.02
80) Phenanthrene-d10a	7.698	188	386197	40.00	ppm	-0.02
82) Chrysene-d12	10.604	240	421952	40.00	ppm	-0.04
92) Perylene-d12	12.174	264	413861	40.00	ppm	-0.05
100) Naphthalene-d8b	4.834	136	358682	40.00	ug/mL	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
48) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
71) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppm	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0d	0.00	ppm	
Spiked Amount 50.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
22) Benzaldehyde	3.457	77	128402m	54.24	ppm	
42) Caprolactam	5.287	55	241376m	166.95	ppm	
66) 1,1'-Biphenyl	5.845	154	591847m	72.13	ppm	
81) Atrazine	7.492	200	300712m	159.19	ppm	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\R131007\
Data File : R34041.D
Acq On : 7 Oct 2013 2:19 pm
Operator : kristinr
Sample : cc1159-80
Misc : OP35080,MSR1238,560,,,1,1
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Oct 07 14:53:56 2013
Quant Method : C:\msdchem\1\methods\R130628_8270+.m
Quant Title : SW-864 Method 8270
QLast Update : Fri Jul 12 11:59:38 2013
Response via : Initial Calibration



R130628_8270+.m Mon Oct 07 14:54:01 2013 Page: 2

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 06/28/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 µg/mL
MSS1625	AB8270 Cal. Std.	2:160
MSS1560	↓	5:160
MSS1594H	AB8270 Int. Std.	4000

Column Information: Front RTX ZB-5MS; 7/9/13 MR

Rear N/A

Sequence File: ~~1~~ R130628.s 7/9/13 MR

Quantitation Methods: DFTPP.M

R130628_8270+.M

Instrument Run Batches: MSR1159

Inj. Vol:

Data Acquisition Methods: R8270FAST.M Inj. Vol: 1

ICAL verified:

Sequence verified: 6/28/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98 X	R31828	BLK	N/A		N/A	N/A	N/A	*R31826-R31827
99 X	29	DFTPP	↓		↓	↓	↓	are blanks
100 X	30	ICC1159-50						
1 X	31	IC1159-2	MSS1625					
2 X	32	5						
3 X	33	10						
4 X	34	20						
5 X	35	80						
6 X	36	120						
7 X	37	160	↓					
98 X	38	BLK	N/A					
8 X	39	IC1159-5	MSS1560					
9 X	R31840	10						
10 X	41	20						
11 X	42	50						
12 X	43	80						
13 X	44	120						
14 X	45	160	↓		↓	↓	↓	

6/28/13 MR

MS002-04

Date: 8/29/06 Dilution Solvent: N/A Lot: N/A **Review:**

ACCUTEST LABORATORIES MC24849

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 07/01/2013 **Analyst Signature:** KR

Standard Data

Lot #	Description	Conc
MSS1596	DFTPP	50 ng/mL
MSS1625	AB8270 Cal. Std.	50
MSS1560	↓	50
MSS159411	AB8270 Int. Std.	4000

Column Information: Front ZB-5MSi
Rear N/A
Sequence File: R130701.S
Quantitation Methods: R130628_B270+.M
DFTPP.M
Instrument Run Batches: MSR11600 MSR11601
Inj. Vol:
Data Acquisition Methods: R8270FAST.M Inj. Vol: 1

ICAL verified: Sequence verified: 7/2/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98 X	R131846	BLK	N/A		N/A	N/A	N/A	
99 X	47	DFTPP	↓		↓	↓	↓	
100 X	48	CC1159-50						
100 X	49	ICV1159-50	↓		leached fluid			
1 X	50	MC21245-4R	OP33792		↓			
2 X	51	↓ -7R	↓					
3 X	52	↓ -8R						
4 X	53	OP33792-BSD						
5 X	54	MC22172-1						2 acid surr < 10% ✓
6 X	55	↓ -2						↳ Re-extract
7 X	56	↓ -3						
8 X	57	MC22237-1						
9 X	58	MC22240-1			↓			
10 X	59	OP33818-MB	OP33818		SOIL			
11 X	R131860	↓ BS	↓		↓			
12 X	61	MC22229-5	↓					
13 X	62	↓ -6	↓		↓			
100 X	63	AP 9 TEST	N/A		N/A			
14 X	64	MC22229-20	OP33818		SOIL			
15 X	65	MC22279-6	↓		↓			
99	66	DFTPP	N/A		N/A			
100	67	CC1155-50	↓		↓			AP-9
100	68	CC1159-50	↓		↓			Toluic
100	69	CC1159-50	↓		↓			
1 X	R131870	MC21245-4R	OP33792		leached fluid			
2 X	71	↓ -7R	↓		↓			
3 X	72	↓ -8R	↓		↓			
4 X	73	OP33792-BSD	OP33792		↓			
5	74	MC22172-1	↓		↓			
6	75	↓ -2	↓		↓			
7	76	↓ -3	↓		↓			7/1/13
8	77	MC22237-1	↓		↓			MR

MS002-04
Date: 8/29/06 Dilution Solvent: N/A Lot: N/A **Review:**

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 07/01/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
	Refer to	
	Page 20	

Column Information: Front

Rear

Sequence File: Refer to

Quantitation Methods: Page 20

Instrument Run Batches:

Data Acquisition Methods: Inj. Vol:

Inj. Vol:

ICAL verified:

Sequence verified: 7/2/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
9	RX31878	MC22240-1	OP33792		leachate/DI fluid	N/A	N/A	
10	79	OP33818-MB	OP33818		SOIL			
11	RX31880	BS						
12	81	MC22229-5						
13	82	-6						
14	83	-20						
15	84	MC22279-6						
16	85	OP33825-MB	OP33825		SOIL			
17	86	JB40714-5	OP33773					
18	87	-7						
19	88	-8						
20	89	-9						
21	RX31890	-10						
22	91	-11						
23	92	-12						
24	93	JB40712-6A						
25	94	-7A						
26	95	-8A						
98	96	BLK	N/A		N/A			
98	97							
98	98							
98	99							

7/1/13 MR

MS002-04

Date: 8/29/06

Dilution Solvent: N/A Lot: N/A

Review:

Accutest Laboratories of New England, Inc.

Instrument: GCMS R

GCMS Analysis Log - Extractables

Run Date: 10/07/2013

Analyst Signature: KR

Standard Data

Lot #	Description	Conc
MSS11082	DFTPP	50 µg/mL
MSS1608	AB82270 Cal.Std.	80
MSS1602	Cal.Std.	80
MSS1594M	Int.Std.	4000

Column Information: Front ZB-5MSi

Rear N/A

Sequence File: R131007.S

Quantitation Methods: DFTPP.M

R130628-8270+.M

Instrument Run Batches: MSR1238

Inj. Vol:

Data Acquisition Methods: R8270FAST.M

Inj. Vol: 1µL

ICAL verified:

Sequence verified: 10/8/13 KR

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Mult.	Comments
98	R34026	Blank	N/A		N/A	N/A	N/A	
99	7	DFTPP						
100	8	CC1159-80						
1	9	OP35129-MB	OP35129		AQ			
2	R34030	-BS						
3	1	-BSD						
4	2	-MS						
5	3	-MSD						
6	4	-TAP						TAP # MC24800-17
7	5	MC24943-1						
8	6	MC24957-2						
9	7	MC24980-22						
10	8	MC25016-4						
11	9	MC24986-1						
12	R34040	MC24877-8	OP35080					ISTD Failure, Needs RR/CFIV
100	1	CC1159-80	N/A		N/A			TCL1
13	2	OP35125-MB	OP35125		SOIL			
14	3	-BS						
15	4	MC24877-1						
12	5	MC24877-8	OP35080		AQ			
16	6	OP35125-MS	OP35125		SOIL			
17	7	-MSD						
18	8	MC24922-1						
19	9	MC24849-6						
20	R34050	-7						
21	1	MC24999-5						
98	R34052-4	Blank	N/A		N/A			
								10/7/2013 KR

MS002-04

Date: 8/29/06 Dilution Solvent: B+J DCM Lot: DJ255 **Review:**

ACCUTEST LABORATORIES MC24849

ACCUTEST LABORATORIES

Approximate Gram weight equals +/- 0.5g

Extracted by: CC — Date/Time: 4-Oct-2013

Spike Witness: — Date/Time:

Concentrated by: FC 10/7/2013 — Batch: OP 35125

Fractionated by: — Matrix: **Soil/Solid**; Sand Lot: B 627068 0491

Extraction Method: ASE #1 ASE #2 ASE #3 ASE # 4 Sonicate — Analysis Method: 8270C TCL+42+

Soxhlet: SW 3540C SW 3545A SW 3545A SW3545A SW3545A SW3550B — Waste Dilution: SW3580 Micro. SW 3546

	Sample	Bottle No.	ASE Position	Initial Weight (g)	Final Volume (ml)	**Cleanup/Comments (3660B, 3630, 3665, other)	Received by: Date:
1	OP 35125 MB	1	10	20.87	1mL		
2	" BS	"		20.90			
3	MC24922 DUP	1		20.47		(MC24922-1)	
4	" MS			20.45			
5	MC24899-6			20.93			
6	" -7			20.30			
7	MC24922-1			20.21			
8	MC24999-5	3		20.20			
9	MC24877-1	1		20.04			
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

Fraction	Bottle #	Lot #	Concentration	Volume
Surrogate: 8270	4	PC69782	5cc 200 ug/mL	100 uL
Surrogate:				
Spike: 8270	1	PC69781	5cc 200 ug/mL	100 uL
Spike: acid	2	PC69461	5cc 200 ug/mL	100 uL
Spike: Custom	1	PC69432	2cc 200 ug/mL	25 uL
Spike:				
Spike:				
Hexane Frac. Volume:	NA	NA	NA	
Soxhlet Start/Stop Date/Time:				

H2SO4 Lot #	
Ether:	
MeCl2:	OP 255
Hexane:	
MeCl2/Acetone:	
Acetone:	193766
Acetonitrile:	
Na Sulfate Lot #:	B-792
Silica Lot #:	
SPE MFG/Lot #:	
Copper:	
Hydromatrix:	
Florisil:	
Sand Lot #:	

Filter Paper Lot # FC005827 Filtered By FC

Balance ID: KC-E

Water Bath Temp: 40°C Water Bath ID: BP-27 21

*Note volume of extract: N = Normal, L = Low

Laboratory Percent Humidity:

Reviewed by: Tray #: LC-12

** Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup; 3620 = Florisil

**For Soxhlet extraction document date/time started and finished

New England ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H1100713S2.PRN Date Analyzed: 10/07/13 Methods: SW846 7471B
Analyst: SA Run ID: MA16192
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:55	MA16192-STD1	1		STD01REP1
09:57	MA16192-STD2	1		STD02REP1
10:00	MA16192-STD3	1		STD03REP1
10:02	MA16192-STD4	1		STD04REP1
10:05	MA16192-STD5	1		STD05REP1
10:07	MA16192-STD6	1		STD06REP1
10:10	MA16192-STD7	1		STD07REP1
10:12	MA16192-STD8	1		STD08REP1
10:15	MA16192-STD9	1		STD09REP1
11:52	MA16192-ICV1	1		
11:55	MA16192-ICB1	1		
11:58	MA16192-CCV1	1		
12:00	MA16192-CCB1	1		
12:02	MA16192-CRI1	1		
12:05	MP21765-MB1	1		
12:07	MP21765-B1	1		
12:10	MP21765-B2	1		
12:12	MP21765-S1	1		
12:14	MP21765-S2	1		
12:17	MC24726-2	1		(sample used for QC only; not part of login MC24849)
12:19	MP21765-LC1	10		
12:22	ZZZZZZ	1		DNR: OVER CAL, SEE RERUN.
12:24	ZZZZZZ	1		DNR: CARRY OVER, SEE RERUN.
12:27	MA16192-CCV2	1		
12:29	MA16192-CCB2	1		
12:32	ZZZZZZ	1		
12:34	ZZZZZZ	1		
12:37	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:43	ZZZZZZ	1		
12:45	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:50	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H1100713S2.PRN Date Analyzed: 10/07/13 Methods: SW846 7471B
Analyst: SA Run ID: MA16192
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:52	ZZZZZZ	1		
12:55	ZZZZZZ	1		
12:58	MA16192-CCV3	1		
13:00	MA16192-CCB3	1		
13:03	MC24849-11	1		
---------->	Last reportable sample/prep for job MC24849			
13:05	ZZZZZZ	1		
13:08	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:13	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:18	ZZZZZZ	1		
13:20	ZZZZZZ	1		
13:23	ZZZZZZ	5		
13:25	MA16192-CRI2	1		
13:28	MA16192-CCV4	1		
13:31	MA16192-CCB4	1		
---------->	Last reportable CCB for job MC24849			
	Refer to raw data for calibration curve and standards.			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H1100713S2.PRN Date Analyzed: 10/07/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA16192 Units: ug/l

Time: / Sample ID:			11:55 ICB1		12:00 CCB1		12:29 CCB2		13:00 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.052	-0.040	<0.20	-0.058	<0.20	-0.063	<0.20	-0.034	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H1100713S2.PRN Date Analyzed: 10/07/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA16192 Units: ug/l

Time:			13:31	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Mercury	0.20	.052	-0.034	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H1100713S2.PRN Date Analyzed: 10/07/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA16192 Units: ug/l

Time:		11:52			11:58			12:27	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	4	3.8	95.0	3	2.8	93.3	3	2.7	90.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H1100713S2.PRN Date Analyzed: 10/07/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA16192 Units: ug/l

Time:		12:58			13:28	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	3	2.8	93.3	3	2.8	93.3

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H1100713S2.PRN Date Analyzed: 10/07/13 Methods: SW846 7471B
QC Limits: 80 to 120 % Recovery Run ID: MA16192 Units: ug/l

Time:			12:02		13:25	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.17	85.0	0.17	85.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16200
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:37	MA16200-STD1	1		STD1
15:42	MA16200-STD2	1		STD2
15:47	MA16200-STD3	1		STD3
15:52	MA16200-STD4	1		STD4
15:57	MA16200-ICV1	1		
16:05	MA16200-ICB1	1		
16:12	MA16200-CCV1	1		
16:19	MA16200-CCB1	1		
16:24	MA16200-CRIA1	1		
16:29	MA16200-ICSA1	1		
16:34	MA16200-ICSAB1	1		
16:39	MP21766-B1	1		
16:44	MP21766-MB1	1		
16:49	MP21766-S1	1		
16:53	MP21766-S2	1		
16:58	MC24999-1	1		(sample used for QC only; not part of login MC24849)
17:03	MP21766-SD1	5		
17:08	MP21766-B2	1		
17:12	MA16200-CCV2	1		
17:17	MA16200-CCB2	1		
17:22	MP21766-LC1	1		
17:27	ZZZZZZ	1		
17:32	ZZZZZZ	1		
17:37	ZZZZZZ	1		
17:41	ZZZZZZ	1		
17:46	ZZZZZZ	1		
17:51	ZZZZZZ	1		
17:56	ZZZZZZ	1		
18:01	ZZZZZZ	1		
18:05	ZZZZZZ	1		
18:10	MA16200-CCV3	1		
18:15	MA16200-CCB3	1		
18:20	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16200
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:25	ZZZZZZ	1		
18:30	ZZZZZZ	1		
18:34	ZZZZZZ	1		
18:39	ZZZZZZ	1		
18:44	ZZZZZZ	1		
18:49	ZZZZZZ	1		
18:54	ZZZZZZ	1		
18:59	ZZZZZZ	1		
19:04	ZZZZZZ	1		
19:09	MA16200-CCV4	1		
19:13	MA16200-CCB4	1		
19:18	MP21767-B1	1		
19:23	MP21767-MB1	1		
19:28	MP21767-S1	1		MS OUT FOR SB & CU, NEED PS; FE OVER RANGE.
19:33	MP21767-S2	1		FE OVER RANGE.
19:38	MC24726-2	1		(sample used for QC only; not part of login MC24849)
19:44	MP21767-SD1	5		
19:48	MP21767-B2	1		
19:53	MP21767-LC1	1		
19:58	MC24849-11	1		
---------->	Last reportable sample/prep for job MC24849			
20:03	ZZZZZZ	1		
20:08	MA16200-CCV5	1		
20:13	MA16200-CCB5	1		
20:18	ZZZZZZ	1		
20:23	ZZZZZZ	1		
20:28	ZZZZZZ	1		
20:33	ZZZZZZ	1		
20:38	ZZZZZZ	1		
20:43	ZZZZZZ	1		
20:48	ZZZZZZ	1		
20:53	ZZZZZZ	1		
20:58	ZZZZZZ	1		
21:03	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16200
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:08	MA16200-CCV6	1		
21:13	MA16200-CCB6	1		
21:18	ZZZZZZ	1		
21:23	ZZZZZZ	1		
21:28	ZZZZZZ	1		
21:32	ZZZZZZ	1		
21:37	ZZZZZZ	1		
21:42	ZZZZZZ	1		
21:47	ZZZZZZ	1		
21:52	MP21755-PS1	1		
21:57	MP21756-PS1	1		
22:02	ZZZZZZ	1		DNR: FOR CONFIRMATION ONLY.
22:06	MA16200-CCV7	1		
22:11	MA16200-CCB7	1		
22:16	ZZZZZZ	10		
22:21	ZZZZZZ	10		
22:26	ZZZZZZ	2		
22:31	ZZZZZZ	10		
22:36	ZZZZZZ	10		
22:40	ZZZZZZ	1		RINSECONF.
22:45	MA16200-CCV8	1		
22:50	MA16200-CCB8	1		
22:55	MA16200-CRIA2	1		
23:00	MA16200-ICSA2	1		
23:05	MA16200-ICSAB2	1		
23:10	MA16200-CCV9	1		
23:15	MA16200-CCB9	1		

----------> Last reportable CCB for job MC24849
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16200
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
15:37	MA16200-STD1	946 R	58396 R	16556 R
15:42	MA16200-STD2	940	57657	16385
15:47	MA16200-STD3			16740
15:52	MA16200-STD4	960	57903	16584
15:57	MA16200-ICV1	939	57516	16293
16:05	MA16200-ICB1	965	57879	16535
16:12	MA16200-CCV1	946	58202	16485
16:19	MA16200-CCB1	961	57745	16321
16:24	MA16200-CRIA1	964	57972	16525
16:29	MA16200-ICSA1	862	53738	16139
16:34	MA16200-ICSAB1	856	53902	16155
16:39	MP21766-B1	938	57029	16410
16:44	MP21766-MB1	952	57419	16419
16:49	MP21766-S1	1020	62986	18196
16:53	MP21766-S2	1014	62351	18019
16:58	MC24999-1	1026	63449	18046
17:03	MP21766-SD1	986	59607	16806
17:08	MP21766-B2	942	57081	16308
17:12	MA16200-CCV2	961	58429	16577
17:17	MA16200-CCB2	974	57703	16362
17:22	MP21766-LC1	1005	62273	17882
17:27	ZZZZZZ	996	60556	17418
17:32	ZZZZZZ	1101	67391	19152
17:37	ZZZZZZ	1009	62050	17702
17:41	ZZZZZZ	998	60669	17269
17:46	ZZZZZZ	991	60600	17357
17:51	ZZZZZZ	1020	61913	17599
17:56	ZZZZZZ	990	61027	17427
18:01	ZZZZZZ	1019	61911	17583
18:05	ZZZZZZ	967	59147	17037
18:10	MA16200-CCV3	954	57994	16524
18:15	MA16200-CCB3	979	57739	16434
18:20	ZZZZZZ	1019	61581	17376

INTERNAL STANDARD SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16200
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
18:25	ZZZZZZ	986	59971	17092
18:30	ZZZZZZ	1006	61462	17632
18:34	ZZZZZZ	983	59255	16836
18:39	ZZZZZZ	990	60388	17301
18:44	ZZZZZZ	907	57813	17046
18:49	ZZZZZZ	1033	63658	18199
18:54	ZZZZZZ	1020	61916	17661
18:59	ZZZZZZ	1026	62749	17829
19:04	ZZZZZZ	1048	64418	18521
19:09	MA16200-CCV4	958	58104	16512
19:13	MA16200-CCB4	974	58135	16516
19:18	MP21767-B1	951	57799	16490
19:23	MP21767-MB1	961	57710	16432
19:28	MP21767-S1	946	59045	17222
19:33	MP21767-S2	961	60034	17624
19:38	MC24726-2	966	60110	17347
19:44	MP21767-SD1	965	58453	16726
19:48	MP21767-B2	951	57558	16578
19:53	MP21767-LC1	1028	63038	18137
19:58	MC24849-11	956	59168	17223
20:03	ZZZZZZ	1074	66064	19230
20:08	MA16200-CCV5	962	58239	16761
20:13	MA16200-CCB5	983	57900	16492
20:18	ZZZZZZ	1075	65622	18868
20:23	ZZZZZZ	1033	63868	18386
20:28	ZZZZZZ	1040	63961	18241
20:33	ZZZZZZ	1082	66283	18971
20:38	ZZZZZZ	1115	69067	19558
20:43	ZZZZZZ	1040	64572	18649
20:48	ZZZZZZ	1095	67620	19527
20:53	ZZZZZZ	1018	62405	17952
20:58	ZZZZZZ	1044	63803	18348
21:03	ZZZZZZ	1055	64592	18581

INTERNAL STANDARD SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16200
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
21:08	MA16200-CCV6	956	57982	16547
21:13	MA16200-CCB6	972	57887	16427
21:18	ZZZZZZ	1036	63665	18261
21:23	ZZZZZZ	1038	63437	18341
21:28	ZZZZZZ	993	60608	17413
21:32	ZZZZZZ	981	59745	17373
21:37	ZZZZZZ	1021	62188	17956
21:42	ZZZZZZ	1026	62271	18169
21:47	ZZZZZZ	995	61865	18141
21:52	MP21755-PS1	1005	60972	17484
21:57	MP21756-PS1	1020	61444	17526
22:02	ZZZZZZ	998	60821	17527
22:06	MA16200-CCV7	960	57715	16495
22:11	MA16200-CCB7	974	57421	16427
22:16	ZZZZZZ	982	58409	16758
22:21	ZZZZZZ	973	58177	16515
22:26	ZZZZZZ	960	58631	16922
22:31	ZZZZZZ	973	58027	16663
22:36	ZZZZZZ	974	58259	16559
22:40	ZZZZZZ	976	57405	16491
22:45	MA16200-CCV8	962	57262	16482
22:50	MA16200-CCB8	972	57383	16273
22:55	MA16200-CRIA2	972	57453	16462
23:00	MA16200-ICSA2	870	53046	15977
23:05	MA16200-ICSAB2	859	52785	16072
23:10	MA16200-CCV9	967	57380	16498
23:15	MA16200-CCB9	986	56918	16366

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16200 Units: ug/l

Time: / Sample ID:			16:05 ICB1		16:19 CCB1		17:17 CCB2		18:15 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.1	anr							
Antimony	10	1.1	anr							
Arsenic	10	2.2	-1.1	<10	-0.20	<10	-0.20	<10	-1.1	<10
Barium	50	.19	0.0	<50	0.0	<50	0.20	<50	0.0	<50
Beryllium	4.0	.08	anr							
Boron	100	.81								
Cadmium	4.0	.22	-0.20	<4.0	0.10	<4.0	0.0	<4.0	-0.10	<4.0
Calcium	5000	8.5	anr							
Chromium	10	.74	-0.20	<10	0.10	<10	0.0	<10	-0.10	<10
Cobalt	50	.28	anr							
Copper	25	.86	anr							
Gold	50	1.8								
Iron	100	4.4	anr							
Lead	10	1.6	-0.10	<10	-1.1	<10	-1.0	<10	-0.70	<10
Magnesium	5000	43	anr							
Manganese	15	.17	anr							
Molybdenum	100	.4								
Nickel	40	.45	anr							
Palladium	50	2								
Platinum	50	8.7								
Potassium	5000	24	anr							
Selenium	10	1.4	-0.10	<10	-0.80	<10	-0.50	<10	-0.90	<10
Silicon	100	2.1								
Silver	5.0	.47	-0.20	<5.0	0.0	<5.0	-0.20	<5.0	-0.60	<5.0
Sodium	5000	42	anr							
Sulfur	50	2.9								
Strontium	10	.1								
Thallium	10	1.7	anr							
Tin	100	1.5								
Titanium	50	.48								
Tungsten	100	9.3								
Vanadium	10	.9	anr							
Zinc	20	.91	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16200 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	.76

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16200 Units: ug/l

Time: / Sample ID:			19:13 CCB4		20:13 CCB5		21:13 CCB6		22:11 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.1	anr							
Antimony	10	1.1	anr							
Arsenic	10	2.2	0.10	<10	-1.1	<10	-1.6	<10	-2.0	<10
Barium	50	.19	0.10	<50	0.10	<50	0.0	<50	0.10	<50
Beryllium	4.0	.08	anr							
Boron	100	.81								
Cadmium	4.0	.22	0.0	<4.0	-0.10	<4.0	-0.20	<4.0	-0.10	<4.0
Calcium	5000	8.5	anr							
Chromium	10	.74	0.20	<10	-0.10	<10	0.20	<10	0.0	<10
Cobalt	50	.28	anr							
Copper	25	.86	anr							
Gold	50	1.8								
Iron	100	4.4	anr							
Lead	10	1.6	-0.60	<10	-0.10	<10	0.60	<10	-1.8	<10
Magnesium	5000	43	anr							
Manganese	15	.17	anr							
Molybdenum	100	.4								
Nickel	40	.45	anr							
Palladium	50	2								
Platinum	50	8.7								
Potassium	5000	24	anr							
Selenium	10	1.4	-0.50	<10	-1.4	<10	-1.3	<10	-1.0	<10
Silicon	100	2.1								
Silver	5.0	.47	-0.20	<5.0	-0.20	<5.0	0.0	<5.0	-0.20	<5.0
Sodium	5000	42	anr							
Sulfur	50	2.9								
Strontium	10	.1								
Thallium	10	1.7	anr							
Tin	100	1.5								
Titanium	50	.48								
Tungsten	100	9.3								
Vanadium	10	.9	anr							
Zinc	20	.91	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16200 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	.76

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16200 Units: ug/l

Time:			22:50		23:15	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	6.1	anr			
Antimony	10	1.1	anr			
Arsenic	10	2.2	-1.9	<10	-0.60	<10
Barium	50	.19	0.10	<50	0.10	<50
Beryllium	4.0	.08	anr			
Boron	100	.81				
Cadmium	4.0	.22	-0.10	<4.0	-0.30	<4.0
Calcium	5000	8.5	anr			
Chromium	10	.74	0.10	<10	-0.10	<10
Cobalt	50	.28	anr			
Copper	25	.86	anr			
Gold	50	1.8				
Iron	100	4.4	anr			
Lead	10	1.6	0.10	<10	0.10	<10
Magnesium	5000	43	anr			
Manganese	15	.17	anr			
Molybdenum	100	.4				
Nickel	40	.45	anr			
Palladium	50	2				
Platinum	50	8.7				
Potassium	5000	24	anr			
Selenium	10	1.4	-1.8	<10	-1.8	<10
Silicon	100	2.1				
Silver	5.0	.47	-0.20	<5.0	-0.30	<5.0
Sodium	5000	42	anr			
Sulfur	50	2.9				
Strontium	10	.1				
Thallium	10	1.7	anr			
Tin	100	1.5				
Titanium	50	.48				
Tungsten	100	9.3				
Vanadium	10	.9	anr			
Zinc	20	.91	anr			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16200 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	.76

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16200 Units: ug/l

Time:		15:57			16:12			17:12	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	3000	3050	101.7	2000	1950	97.5	2000	1940	97.0
Barium	3000	3110	103.7	2000	1980	99.0	2000	1970	98.5
Beryllium	anr								
Boron									
Cadmium	3000	3070	102.3	2000	2040	102.0	2000	2020	101.0
Calcium	anr								
Chromium	3000	3100	103.3	2000	1970	98.5	2000	1980	99.0
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	3000	2990	99.7	2000	1970	98.5	2000	1960	98.0
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	3000	2980	99.3	2000	1950	97.5	2000	1930	96.5
Silicon									
Silver	500	504	100.8	250	246	98.4	250	246	98.4
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16200 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16200 Units: ug/l

Time:		18:10			19:09			20:08	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	2000	1940	97.0	2000	1940	97.0	2000	1940	97.0
Barium	2000	1960	98.0	2000	1980	99.0	2000	1960	98.0
Beryllium	anr								
Boron									
Cadmium	2000	2030	101.5	2000	2030	101.5	2000	2020	101.0
Calcium	anr								
Chromium	2000	1980	99.0	2000	1980	99.0	2000	1990	99.5
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	2000	1960	98.0	2000	1960	98.0	2000	1960	98.0
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	2000	1940	97.0	2000	1940	97.0	2000	1940	97.0
Silicon									
Silver	250	248	99.2	250	247	98.8	250	246	98.4
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16200 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16200 Units: ug/l

Time:		21:08			22:06			22:45	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	2000	1940	97.0	2000	1940	97.0	2000	1920	96.0
Barium	2000	1970	98.5	2000	1970	98.5	2000	1960	98.0
Beryllium	anr								
Boron									
Cadmium	2000	2030	101.5	2000	2040	102.0	2000	2020	101.0
Calcium	anr								
Chromium	2000	1980	99.0	2000	1990	99.5	2000	1980	99.0
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	2000	1960	98.0	2000	1960	98.0	2000	1940	97.0
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	2000	1940	97.0	2000	1940	97.0	2000	1920	96.0
Silicon									
Silver	250	247	98.8	250	248	99.2	250	248	99.2
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16200 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16200 Units: ug/l

Time:		23:10	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	2000	1920	96.0
Barium	2000	1970	98.5
Beryllium	anr		
Boron			
Cadmium	2000	2010	100.5
Calcium	anr		
Chromium	2000	2000	100.0
Cobalt	anr		
Copper	anr		
Gold			
Iron	anr		
Lead	2000	1930	96.5
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Palladium			
Platinum			
Potassium	anr		
Selenium	2000	1910	95.5
Silicon			
Silver	250	250	100.0
Sodium	anr		
Sulfur			
Strontium			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16200 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16200 Units: ug/l

Time:			16:24		22:55	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	200	200	anr			
Antimony	6.0	10	anr			
Arsenic	4.0	10	9.6	96.0	9.3	93.0
Barium	50	50	51.4	102.8	51.4	102.8
Beryllium	4.0	4.0	anr			
Boron	100	100				
Cadmium	4.0	4.0	4.2	105.0	4.4	110.0
Calcium	5000	5000	anr			
Chromium	10	10	10.3	103.0	10.2	102.0
Cobalt	50	50	anr			
Copper	25	25	anr			
Gold	50	50				
Iron	100	100	anr			
Lead	5.0	10	9.8	98.0	9.3	93.0
Magnesium	5000	5000	anr			
Manganese	15	15	anr			
Molybdenum	100	100				
Nickel	40	40	anr			
Palladium	50	50				
Platinum	50	50				
Potassium	5000	5000	anr			
Selenium	10	10	8.9	89.0	8.7	87.0
Silicon	100	100				
Silver	5.0	5.0	5.0	100.0	5.0	100.0
Sodium	5000	5000	anr			
Sulfur	50	50				
Strontium	10	10				
Thallium	5.0	10	anr			
Tin	100	100				
Titanium	50	50				
Tungsten	100	100				
Vanadium	10	10	anr			
Zinc	20	20	anr			

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16200 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	50

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16200 Units: ug/l

Time:			16:29		16:34		23:00		23:05	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	524000	104.8	527000	105.4	524000	104.8	518000	103.6
Antimony		2000	-0.50		2100	105.0	0.20		2080	104.0
Arsenic		2000	2.1		2170	108.5	1.9		2160	108.0
Barium		500	-0.40		500	100.0	-0.30		503	100.6
Beryllium		500	0.10		465	93.0	0.10		471	94.2
Boron		1000	5.3		1070	107.0	4.6		1070	107.0
Cadmium		1000	0.80		1100	110.0	0.90		1110	111.0
Calcium	500000	500000	461000	92.2	459000	91.8	461000	92.2	457000	91.4
Chromium		500	-0.70		478	95.6	-1.0		483	96.6
Cobalt		500	1.7		522	104.4	1.9		521	104.2
Copper		500	0.20		522	104.4	-0.10		532	106.4
Gold		500	24.0		508	101.6	25.8		513	102.6
Iron	200000	200000	178000	89.0	179000	89.5	176000	88.0	176000	88.0
Lead		1000	0.40		1020	102.0	2.9		1010	101.0
Magnesium	500000	500000	516000	103.2	519000	103.8	524000	104.8	524000	104.8
Manganese		500	1.2		479	95.8	1.4		494	98.8
Molybdenum		1000	-0.40		1020	102.0	-1.0		1020	102.0
Nickel		1000	-2.2		965	96.5	-2.2		973	97.3
Palladium		500	3.6		536	107.2	5.0		546	109.2
Platinum		500	-24		466	93.2	-26		472	94.4
Potassium			62.4		67.0		54.9		77.0	
Selenium		2000	0.50		2010	100.5	-2.8		2000	100.0
Silicon		2000	47.2		2200	110.0	46.2		2170	108.5
Silver		1000	-0.20		1040	104.0	-0.20		1060	106.0
Sodium			124		125		133		135	
Sulfur		500	5.0		514	102.8	4.1		522	104.4
Strontium		1000	0.80		959	95.9	1.0		974	97.4
Thallium		2000	0.50		2100	105.0	-2.2		2100	105.0
Tin		1000	1.0		1070	107.0	-0.20		1080	108.0
Titanium		500	7.1		496	99.2	7.3		502	100.4
Tungsten		2000	-17		1710	85.5	-21		1760	88.0
Vanadium		500	0.30		488	97.6	0.20		498	99.6
Zinc		1000	-0.80		954	95.4	-0.10		948	94.8

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB100613M1.ICP Date Analyzed: 10/06/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16200 Units: ug/l

Time: / Sample ID: / Metal								
Zirconium	500	6.4		412	82.4	6.6	411	82.2

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21765
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 10/05/13

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0087	.0097	-0.0063	<0.033

Associated samples MP21765: MC24849-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21765
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 10/05/13

Metal	MC24726-2 Original	MS	Spikelot HGRWS1	% Rec	QC Limits
Mercury	0.044	0.55	0.527	96.1	80-120

Associated samples MP21765: MC24849-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21765 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 10/05/13

Metal	MC24726-2 Original	MSD	Spikelot HGRWS1	% Rec	MSD RPD	QC Limit
Mercury	0.044	0.54	0.521	95.3	1.8	20

Associated samples MP21765: MC24849-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21765
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 10/05/13 10/05/13

Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	0.49	0.5	98.0	80-120	0.47	0.5	94.0	4.2	30

Associated samples MP21765: MC24849-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21765
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 10/05/13

Metal	LCS Result	Spikelot HGLCS78	% Rec	QC Limits
Mercury	3.6	4.05	88.9	72-128

Associated samples MP21765: MC24849-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21767
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 10/04/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	.61	3.6		
Antimony	1.0	.11	.15		
Arsenic	1.0	.22	.21	-0.21	<1.0
Barium	5.0	.019	.073	0.10	<5.0
Beryllium	0.40	.008	.024		
Boron	10	.081	.11		
Cadmium	0.40	.022	.042	0.010	<0.40
Calcium	500	.85	6.3		
Chromium	1.0	.074	.095	0.090	<1.0
Cobalt	5.0	.028	.047		
Copper	2.5	.086	.56		
Gold	5.0	.18	.43		
Iron	10	.44	.87		
Lead	1.0	.16	.17	-0.090	<1.0
Magnesium	500	4.3	5.1		
Manganese	1.5	.017	.04		
Molybdenum	10	.04	.07		
Nickel	4.0	.045	.044		
Palladium	5.0	.2	.64		
Platinum	5.0	.87	1.5		
Potassium	500	2.4	8.6		
Selenium	1.0	.14	.35	0.10	<1.0
Silicon	10	.21	3.3		
Silver	0.50	.047	.13	-0.010	<0.50
Sodium	500	4.2	3.3		
Sulfur	5.0	.29	.82		
Strontium	1.0	.01	.03		
Thallium	1.0	.098	.13		
Tin	10	.15	.14		
Titanium	5.0	.048	.14		
Tungsten	10	.93	.94		
Vanadium	1.0	.09	.13		
Zinc	2.0	.091	.16		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21767 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date:

Metal			
Zirconium	5.0	.076	.088

Associated samples MP21767: MC24849-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21767
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 10/04/13

Metal	MC24726-2 Original	MS	Spikelot MPICP	% Rec	QC Limits
Aluminum	anr				
Antimony	anr				
Arsenic	22.3	87.6	67.2	97.1	75-125
Barium	1110	1340	269	85.5	75-125
Beryllium	anr				
Boron					
Cadmium	3.3	75.0	67.2	106.6	75-125
Calcium	anr				
Chromium	73.7	146	67.2	107.5	75-125
Cobalt	anr				
Copper	anr				
Gold					
Iron	anr				
Lead	241	360	134	88.5	75-125
Magnesium	anr				
Manganese	anr				
Molybdenum					
Nickel	anr				
Palladium					
Platinum					
Potassium	anr				
Selenium	0.32	63.0	67.2	93.2	75-125
Silicon					
Silver	0.066	26.8	26.9	99.4	75-125
Sodium	anr				
Sulfur					
Strontium					
Thallium	anr				
Tin					
Titanium					
Tungsten					
Vanadium	anr				
Zinc	anr				

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21767
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Zirconium

Associated samples MP21767: MC24849-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21767
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 10/04/13

Metal	MC24726-2 Original	MSD	Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	22.3	107	66.6	127.1(a)	19.9	20
Barium	1110	1330	267	82.5	0.7	20
Beryllium	anr					
Boron						
Cadmium	3.3	73.3	66.6	105.1	2.3	20
Calcium	anr					
Chromium	73.7	128	66.6	81.5	13.1	20
Cobalt	anr					
Copper	anr					
Gold						
Iron	anr					
Lead	241	340	133	74.3 (a)	5.7	20
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Platinum						
Potassium	anr					
Selenium	0.32	61.0	66.6	91.1	3.2	20
Silicon						
Silver	0.066	26.2	26.7	98.1	2.3	20
Sodium	anr					
Sulfur						
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21767
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Zirconium

Associated samples MP21767: MC24849-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike duplicate recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21767
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			10/04/13					10/04/13	
Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum	anr								
Antimony	anr								
Arsenic	52.6	50	105.2	80-120	53.7	50	107.4	2.1	20
Barium	208	200	104.0	80-120	212	200	106.0	1.9	20
Beryllium	anr								
Boron									
Cadmium	54.0	50	108.0	80-120	55.3	50	110.6	2.4	20
Calcium	anr								
Chromium	54.4	50	108.8	80-120	54.7	50	109.4	0.5	20
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	102	100	102.0	80-120	104	100	104.0	1.9	20
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	48.2	50	96.4	80-120	49.7	50	99.4	3.1	20
Silicon									
Silver	20.2	20	101.0	80-120	20.8	20	104.0	2.9	20
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21767
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal
Zirconium

Associated samples MP21767: MC24849-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21767
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 10/04/13

Metal	LCS Result	Spikelot MPLCS78	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	99.0	94.5	104.8	82-117
Barium	174	166	104.8	83-116
Beryllium	anr			
Boron				
Cadmium	68.4	59.9	114.2	84-116
Calcium	anr			
Chromium	74.4	69.3	107.4	81-119
Cobalt	anr			
Copper	anr			
Gold				
Iron	anr			
Lead	95.6	91.7	104.3	82-118
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Palladium				
Platinum				
Potassium	anr			
Selenium	168	159	105.7	79-121
Silicon				
Silver	35.7	33.9	105.3	66-134
Sodium	anr			
Sulfur				
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21767
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal
Zirconium

Associated samples MP21767: MC24849-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21767
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/04/13

Metal	MC24726-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	169	171	1.7	0-10
Barium	8410	9070	7.8	0-10
Beryllium	anr			
Boron				
Cadmium	24.9	22.2	10.8 (a)	0-10
Calcium	anr			
Chromium	558	610	9.2	0-10
Cobalt	anr			
Copper	anr			
Gold				
Iron	anr			
Lead	1820	1910	4.8	0-10
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Palladium				
Platinum				
Potassium	anr			
Selenium	2.40	0.00	100.0(b)	0-10
Silicon				
Silver	0.500	0.00	100.0(b)	0-10
Sodium	anr			
Sulfur				
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21767
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal
Zirconium

Associated samples MP21767: MC24849-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.
(b) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21767
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/04/13

Metal	Sample ml	Final ml	MC24726-2 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Boron										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Gold										
Iron										
Lead										
Magnesium										
Manganese										
Molybdenum										
Nickel										
Palladium										
Platinum										
Potassium										
Selenium										
Silicon										
Silver										
Sodium										
Sulfur										
Strontium										
Thallium										
Tin										
Titanium										
Tungsten										
Vanadium										
Zinc										

POST DIGESTATE SPIKE SUMMARY

Login Number: MC24849
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP21767
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal
Zirconium

Associated samples MP21767: MC24849-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

New England ACCUTEST LABORATORIES

Metals Analysis

Raw Data

Folder: #HG5 **PUBLIC FOLDER ** Page 1
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 1782	09:55:28 07 Oct 13	HG			
Hg	.000	ppb	97						=
*** Standard: 2 Rep: 1				Seq: 1783	09:57:53 07 Oct 13	HG			
Hg	.200	ppb	1579						=
*** Standard: 3 Rep: 1				Seq: 1784	10:00:14 07 Oct 13	HG			
Hg	.500	ppb	3855						=
*** Standard: 4 Rep: 1				Seq: 1785	10:02:49 07 Oct 13	HG			
Hg	1.00	ppb	7199						=
*** Standard: 5 Rep: 1				Seq: 1786	10:05:12 07 Oct 13	HG			
Hg	2.00	ppb	14374						=
*** Standard: 6 Rep: 1				Seq: 1787	10:07:55 07 Oct 13	HG			
Hg	3.00	ppb	21984						=
*** Standard: 7 Rep: 1				Seq: 1788	10:10:20 07 Oct 13	HG			
Hg	4.00	ppb	28941						=
*** Standard: 8 Rep: 1				Seq: 1789	10:12:42 07 Oct 13	HG			
Hg	5.00	ppb	35518						=
*** Standard: 9 Rep: 1				Seq: 1790	10:15:03 07 Oct 13	HG			
Hg	6.00	ppb	43631						=
*** Sample ID: ICV			H1100713S2	Seq: 1828	11:52:21 07 Oct 13	HG			
Hg	3.80	ppb	.000	3.80					=
*** Sample ID: ICB			H1100713S2	Seq: 1829	11:55:13 07 Oct 13	HG			
Hg	-.040	ppb	.000	-.040					=

Folder: #HG5 **PUBLIC FOLDER ** Page 2
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCV H1100713S2 Seq: 1830 11:58:05 07 Oct 13 HG								
Hg	2.84	ppb	.000	2.84				
*** Sample ID: CCB H1100713S2 Seq: 1831 12:00:31 07 Oct 13 HG								
Hg	-.058	ppb	.000	-.058				
*** Sample ID: CRI H1100713S2 Seq: 1832 12:02:54 07 Oct 13 HG								
Hg	.168	ppb	.000	.168				
*** Sample ID: MP21765MB1 H1100713S2 Seq: 1833 12:05:17 07 Oct 13 HG								
Hg	-.038	ppb	.000	-.038				
*** Sample ID: MP21765-B1 H1100713S2 Seq: 1834 12:07:40 07 Oct 13 HG								
Hg	2.91	ppb	.000	2.91				
*** Sample ID: MP21765-B2 H1100713S2 Seq: 1835 12:10:05 07 Oct 13 HG								
Hg	2.82	ppb	.000	2.82				
*** Sample ID: MP21765-S1 H1100713S2 Seq: 1836 12:12:27 07 Oct 13 HG MC24726-2								
Hg	3.13	ppb	.000	3.13				
*** Sample ID: MP21765-S2 H1100713S2 Seq: 1837 12:14:59 07 Oct 13 HG MC24726-2								
Hg	3.10	ppb	.000	3.10				
*** Sample ID: MC24726-2 H1100713S2 Seq: 1838 12:17:23 07 Oct 13 HG								
Hg	.247	ppb	.000	.247				
*** Sample ID: MP21765LC1 H1100713S2 Seq: 1839 12:19:50 07 Oct 13 HG Wgt 1.0000 Vol 10.000								
Hg	21.4	ppb	.000	21.4				

Folder: #HG5 **PUBLIC FOLDER ** Page 3
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC24726-3 H1100713S2 Seq: 1840 12:22:21 07 Oct 13 HG								
Hg	11.7	ppb	.000	11.7				
*** Sample ID: MC24726-4 H1100713S2 Seq: 1841 12:24:54 07 Oct 13 HG								
Hg	.480	ppb	.000	.480				
*** Sample ID: CCV H1100713S2 Seq: 1842 12:27:36 07 Oct 13 HG								
Hg	2.68	ppb	.000	2.68				
*** Sample ID: CCB H1100713S2 Seq: 1843 12:29:58 07 Oct 13 HG								
Hg	-.063	ppb	.000	-.063				
*** Sample ID: MC24726-5 H1100713S2 Seq: 1844 12:32:31 07 Oct 13 HG								
Hg	5.51	ppb	.000	5.51				
*** Sample ID: MC24778-5 H1100713S2 Seq: 1845 12:34:54 07 Oct 13 HG								
Hg	-.065	ppb	.000	-.065				
*** Sample ID: MC24778-6 H1100713S2 Seq: 1846 12:37:46 07 Oct 13 HG								
Hg	.018	ppb	.000	.018				
*** Sample ID: MC24778-7 H1100713S2 Seq: 1847 12:40:11 07 Oct 13 HG								
Hg	-.011	ppb	.000	-.011				
*** Sample ID: MC24778-8 H1100713S2 Seq: 1848 12:43:07 07 Oct 13 HG								
Hg	-.022	ppb	.000	-.022				
*** Sample ID: MC24778-9 H1100713S2 Seq: 1849 12:45:31 07 Oct 13 HG								
Hg	.034	ppb	.000	.034				

Folder: #HG5 **PUBLIC FOLDER ** Page 4
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: MC24778-10 H1100713S2 Seq: 1850 12:47:53 07 Oct 13 HG									
Hg	.029	ppb	.000	.029					=
*** Sample ID: MC24778-11 H1100713S2 Seq: 1851 12:50:16 07 Oct 13 HG									
Hg	.045	ppb	.000	.045					=
*** Sample ID: MC24778-12 H1100713S2 Seq: 1852 12:52:41 07 Oct 13 HG									
Hg	.028	ppb	.000	.028					=
*** Sample ID: MC24778-13 H1100713S2 Seq: 1853 12:55:43 07 Oct 13 HG									
Hg	.006	ppb	.000	.006					=
*** Sample ID: CCV H1100713S2 Seq: 1854 12:58:18 07 Oct 13 HG									
Hg	2.78	ppb	.000	2.78					=
*** Sample ID: CCB H1100713S2 Seq: 1855 13:00:42 07 Oct 13 HG									
Hg	-.034	ppb	.000	-.034					=
*** Sample ID: MC24849-11 H1100713S2 Seq: 1856 13:03:05 07 Oct 13 HG									
Hg	1.95	ppb	.000	1.95					=
*** Sample ID: MC24975-1 H1100713S2 Seq: 1857 13:05:39 07 Oct 13 HG									
Hg	.068	ppb	.000	.068					=
*** Sample ID: MC24975-2 H1100713S2 Seq: 1858 13:08:03 07 Oct 13 HG									
Hg	.210	ppb	.000	.210					=
*** Sample ID: MC24975-3 H1100713S2 Seq: 1859 13:10:37 07 Oct 13 HG									
Hg	4.32	ppb	.000	4.32					=

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Sample ID: MC24975-4  H1100713S2 Seq:  1860   13:13:04 07 Oct 13   HG

Hg    2.68    ppb       .000      2.68
                                                                            =
===============================================================================
*** Sample ID: MC24975-5  H1100713S2 Seq:  1861   13:15:47 07 Oct 13   HG

Hg    5.28    ppb       .000      5.28
                                                                            =
===============================================================================
*** Sample ID: MC24983-1  H1100713S2 Seq:  1862   13:18:20 07 Oct 13   HG

Hg   -.001    ppb       .000     -.001
                                                                            =
===============================================================================
*** Sample ID: MC24726-4  H1100713S2 Seq:  1863   13:20:43 07 Oct 13   HG

Hg    .601    ppb       .000      .601
                                                                            =
===============================================================================
*** Sample ID: MC24726-3  H1100713S2 Seq:  1864   13:23:15 07 Oct 13   HG
                                                  Wgt 1.0000 Vol 5.0000
Hg    11.3    ppb       .000      11.3
                                                                            =
===============================================================================
*** Sample ID: CRI        H1100713S2 Seq:  1865   13:25:40 07 Oct 13   HG

Hg    .171    ppb       .000      .171
                                                                            =
===============================================================================
*** Sample ID: CCV        H1100713S2 Seq:  1866   13:28:36 07 Oct 13   HG

Hg    2.82    ppb       .000      2.82
                                                                            =
===============================================================================
*** Sample ID: CCB        H1100713S2 Seq:  1867   13:31:10 07 Oct 13   HG

Hg   -.034    ppb       .000     -.034
                                                                            =
```

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 10/6/2013 15:37:18 Type: Cal
Method: Accutest -SS2 with S(v71) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0005	.0008	-.0012	-.0001	.0040	.0088	-.0001	.0025	.0078
Stddev	.0001	.0003	.0002	.0001	.0001	.0001	.0002	.0000	.0006
%RSD	17.14	35.23	15.68	124.7	3.156	.9266	140.8	1.351	7.559
#1	-.0005	.0010	-.0013	-.0002	.0040	.0087	-.0003	.0025	.0074
#2	-.0004	.0006	-.0011	.0000	.0041	.0089	.0000	.0024	.0082

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0054	.0001	.0069	.0002	.0004	-.0001	.0002	.0026	.0035
Stddev	.0002	.0001	.0000	.0001	.0004	.0001	.0000	.0001	.0007
%RSD	3.998	106.7	.6996	25.37	98.55	92.51	10.53	5.316	19.38
#1	-.0052	.0000	.0070	.0002	.0001	-.0002	.0001	.0025	.0039
#2	-.0055	.0001	.0069	.0003	.0007	.0000	.0002	.0027	.0030

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0006	-.0029	-.0004	-.0001	.0083	.0049	.0056	.0493	.0010
Stddev	.0002	.0006	.0001	.0001	.0002	.0003	.0001	.0002	.0004
%RSD	28.57	22.03	15.87	90.82	2.352	6.970	1.067	.4943	34.55
#1	-.0007	-.0024	-.0004	.0000	.0085	.0046	.0056	.0491	.0013
#2	-.0005	-.0033	-.0005	-.0002	.0082	.0051	.0056	.0494	.0008

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0076	.0001	-.0127	-.0001	.0001	-.0020	.0141
Stddev	.0005	.0001	.0001	.0000	.0001	.0003	.0001
%RSD	6.164	109.3	.9222	6.060	72.09	15.21	.6987
#1	.0080	.0000	-.0128	-.0001	.0000	-.0018	.0142
#2	.0073	.0001	-.0127	-.0001	.0001	-.0023	.0140

◀ Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 10/6/2013 15:37:18 Type: Cal
Method: Accutest -SS2 with S(v71) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	946.19	58396.	16556.
Stddev	1.26	344.	87.
%RSD	.13352	.58909	.52818
#1	947.08	58639.	16618.
#2	945.30	58152.	16494.

◀ Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 10/6/2013 15:42:15 Type: Cal
Method: Accutest -SS2 with S(v71) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1417	.8691	4.098	18.09	13.53	13.46	9.360	.5758	2.322	3.412
Stddev	.0004	.0002	.002	.21	.03	.04	.004	.0044	.005	.019
%RSD	.2759	.0259	.0385	1.153	.2174	.2745	.0448	.7665	.2128	.5686
#1	.1414	.8692	4.099	17.94	13.55	13.48	9.363	.5727	2.326	3.398
#2	.1420	.8689	4.097	18.24	13.50	13.43	9.357	.5789	2.319	3.426

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.725	6.941	2.803	2.452	1.625	1.276	7.797
Stddev	.007	.001	.000	.005	.003	.001	.004
%RSD	.0911	.0086	.0110	.1960	.2025	.0881	.0535
#1	7.720	6.941	2.803	2.456	1.627	1.276	7.794
#2	7.730	6.941	2.802	2.449	1.622	1.275	7.800

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	940.41	57657.	16385.
Stddev	3.69	248.	23.
%RSD	.39235	.42992	.14184
#1	937.80	57832.	16369.
#2	943.02	57482.	16402.

◀ Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 10/6/2013 15:47:06 Type: Cal
Method: Accutest -SS2 with S(v71) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.373	1.616	1.342	.7671	.1535	2.698
Stddev	.004	.004	.003	.0039	.0016	.009
%RSD	.2892	.2246	.2335	.5145	1.048	.3438
#1	1.376	1.619	1.345	.7699	.1523	2.704
#2	1.370	1.614	1.340	.7643	.1546	2.691

Int. Std.	Y_3710
Units	Cts/S
Avg	16740.
Stddev	4.
%RSD	.02158
#1	16738.
#2	16743.

Zoom In Zoom Out

Sample Name: Std4 Acquired: 10/6/2013 15:52:03 Type: Cal
Method: Accutest -SS2 with S(v71) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	S_1820	Si2124	Sn1899	Sr4077	Ti3349	V_2924	W_2397
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2364	.4614	.0559	1.309	3.147	1.635	34.86	1.098	.9124	.0590
Stddev	.0009	.0005	.0001	.007	.008	.002	.21	.003	.0023	.0003
%RSD	.3904	.0976	.1248	.5009	.2490	.1306	.6039	.2753	.2523	.5208
#1	.2370	.4611	.0560	1.314	3.153	1.637	35.01	1.100	.9141	.0592
#2	.2357	.4618	.0559	1.304	3.142	1.634	34.71	1.096	.9108	.0588

Elem	Zr3391
Units	Cts/S
Avg	2.520
Stddev	.004
%RSD	.1386
#1	2.523
#2	2.518

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	959.93	57903.	16584.
Stddev	1.59	202.	115.
%RSD	.16599	.34909	.69365
#1	958.80	57760.	16502.
#2	961.05	58046.	16665.

Zoom In Zoom Out

Sample Name: ICV Acquired: 10/6/2013 15:57:01 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.5035	15.66	3.046	2.944	3.063	3.114	3.059	17.92	3.066	3.052
Stddev	.0012	.02	.007	.001	.013	.004	.001	.02	.012	.010
%RSD	.2469	.1200	.2299	.0297	.4089	.1309	.0254	.0936	.3938	.3386
#1	.5027	15.67	3.051	2.945	3.072	3.117	3.058	17.91	3.075	3.059
#2	.5044	15.65	3.041	2.943	3.054	3.111	3.059	17.94	3.058	3.044

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	3.098	2.964	18.05	15.30	18.21	3.043	2.925	15.10	2.952	2.989
Stddev	.005	.002	.06	.03	.02	.010	.008	.01	.007	.011
%RSD	.1570	.0792	.3322	.1858	.1343	.3148	.2801	.0412	.2288	.3633
#1	3.095	2.966	18.01	15.28	18.20	3.037	2.931	15.09	2.957	2.996
#2	3.102	2.963	18.09	15.32	18.23	3.050	2.920	15.10	2.948	2.981

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	2.926	2.921	3.057	2.995	2.981	3.078	3.142	3.053	2.986	3.033
Stddev	.006	.013	.007	.009	.015	.012	.008	.005	.002	.008
%RSD	.2005	.4598	.2243	.3009	.5025	.3755	.2529	.1513	.0536	.2608
#1	2.921	2.930	3.062	3.001	2.991	3.086	3.148	3.056	2.985	3.039
#2	2.930	2.911	3.052	2.989	2.970	3.070	3.137	3.050	2.987	3.028

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	2.941	2.798	2.971	2.968
Stddev	.005	.007	.006	.001
%RSD	.1570	.2685	.2194	.0267
#1	2.944	2.803	2.976	2.967
#2	2.937	2.792	2.966	2.968

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	939.09	57516.	16293.
Stddev	5.00	95.	17.
%RSD	.53247	.16494	.10674
#1	935.55	57583.	16280.
#2	942.63	57449.	16305.

Zoom In Zoom Out

Sample Name: ICB Acquired: 10/6/2013 16:05:34 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0004	-.0011	.0002	.0025	.0000	.0000	-.0013	-.0002	.0000
Stddev	.0000	.0032	.0015	.0005	.0002	.000	.000	.0008	.0002	.000
%RSD	18.85	872.1	139.2	280.0	6.733	684.5	580.5	59.13	123.9	20.79
#1	-.0002	.0026	.0000	.0006	.0024	.0000	.0000	-.0008	.0000	.0000
#2	-.0003	-.0019	-.0021	-.0002	.0027	.0000	.0000	-.0019	-.0003	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	-.0002	-.0003	.0095	.0256	.0001	.0012	-.0014	-.0003	-.0001
Stddev	.0000	.0004	.0020	.0058	.0031	.0000	.0002	.0021	.0002	.0005
%RSD	19.14	187.4	620.7	61.16	12.08	18.61	15.93	149.2	52.44	803.3
#1	-.0002	-.0005	-.0017	.0054	.0234	.0001	.0013	-.0029	-.0002	.0003
#2	-.0003	.0001	.0011	.0137	.0278	.0001	.0010	.0001	-.0004	-.0004

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0012	.0058	-.0004	-.0003	-.0001	-.0005	-.0005	.0001	.0004	-.0012
Stddev	.0006	.0017	.0000	.0003	.0006	.0004	.0004	.0000	.0002	.0005
%RSD	50.87	30.08	5.529	104.5	512.7	72.92	83.34	1.981	52.14	38.13
#1	.0008	.0070	-.0004	-.0005	-.0006	-.0003	-.0002	.0001	.0006	-.0009
#2	.0016	.0045	-.0004	-.0001	.0003	-.0008	-.0007	.0001	.0003	-.0015

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0005	.0073	-.0001	.0014
Stddev	.0007	.0028	.0003	.0004
%RSD	138.8	38.79	254.9	25.46
#1	-.0010	.0093	-.0003	.0017
#2	.0000	.0053	.0001	.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	964.67	57879.	16535.
Stddev	5.27	139.	147.
%RSD	.54617	.24066	.89094
#1	960.94	57781.	16431.
#2	968.39	57978.	16640.

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/6/2013 16:12:30 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2457	9.762	1.950	-.0063	1.963	1.981	1.981	9.873	2.035	2.065
Stddev	.0003	.003	.011	.0004	.005	.003	.004	.040	.002	.006
%RSD	.1102	.0308	.5555	5.552	.2777	.1514	.1763	.4003	.1086	.3022
#1	.2459	9.764	1.958	-.0061	1.967	1.979	1.978	9.845	2.036	2.069
#2	.2455	9.760	1.943	-.0066	1.959	1.983	1.983	9.901	2.033	2.061

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.973	1.956	9.888	9.854	9.837	1.966	1.976	9.768	1.966	1.974
Stddev	.002	.005	.021	.028	.004	.001	.001	.025	.004	.004
%RSD	.0775	.2438	.2143	.2822	.0459	.0603	.0641	.2521	.1835	.1904
#1	1.974	1.959	9.873	9.835	9.834	1.967	1.976	9.750	1.969	1.976
#2	1.972	1.953	9.903	9.874	9.840	1.965	1.975	9.785	1.963	1.971

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0031	.0060	.0014	1.968	1.952	.0181	1.961	1.953	1.927	1.967
Stddev	.0002	.0021	.0005	.006	.004	.0005	.001	.003	.001	.007
%RSD	4.841	34.23	37.28	.3034	.1914	3.025	.0457	.1660	.0491	.3456
#1	.0030	.0046	.0018	1.972	1.955	.0177	1.962	1.951	1.927	1.972
#2	.0032	.0075	.0010	1.964	1.950	.0185	1.961	1.956	1.928	1.962

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.919	-.0038	1.955	.0026
Stddev	.001	.0012	.002	.0011
%RSD	.0275	31.51	.0976	41.23
#1	1.919	-.0030	1.956	.0034
#2	1.918	-.0047	1.953	.0018

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	945.95	58202.	16485.
Stddev	1.89	109.	82.
%RSD	.19935	.18750	.49827
#1	944.62	58125.	16543.
#2	947.29	58279.	16427.

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/6/2013 16:19:30 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	.0038	-.0002	-.0008	.0027	.0000	.0001	.0015	.0001	-.0001
Stddev	.000	.0032	.0005	.0007	.0003	.0000	.0000	.0019	.0002	.0004
%RSD	602.6	83.13	251.1	88.23	9.378	51.72	36.45	130.9	257.8	525.8
#1	-.0002	.0016	.0002	-.0013	.0029	.0000	.0001	.0028	.0002	.0002
#2	.0001	.0060	-.0005	-.0003	.0025	.0001	.0001	.0001	-.0001	-.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0001	-.0001	.0019	-.0113	.0135	.0002	.0012	-.0003	-.0004	-.0011
Stddev	.0001	.0000	.0017	.0085	.0034	.0001	.0002	.0004	.0003	.0004
%RSD	112.7	33.03	86.96	75.21	25.37	48.87	18.40	156.1	72.80	35.08
#1	.0002	-.0001	.0007	-.0053	.0159	.0001	.0014	.0000	-.0002	-.0014
#2	.0000	-.0001	.0031	-.0173	.0111	.0003	.0011	-.0006	-.0006	-.0008

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0009	.0059	-.0013	.0005	-.0008	-.0013	.0001	.0001	.0001	-.0014
Stddev	.0010	.0003	.0018	.0004	.0001	.0012	.0001	.0000	.0003	.0009
%RSD	118.3	4.695	144.0	74.91	9.163	95.11	113.7	6.921	244.6	65.96
#1	.0001	.0057	.0000	.0007	-.0009	-.0022	.0002	.0001	.0003	-.0007
#2	.0016	.0061	-.0025	.0002	-.0008	-.0004	.0000	.0001	-.0001	-.0021

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0005	-.0007	.0000	.0005
Stddev	.0002	.0017	.0000	.0004
%RSD	48.81	254.5	298.5	71.82
#1	-.0007	.0005	.0000	.0008
#2	-.0003	-.0019	.0000	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	961.24	57745.	16321.
Stddev	2.00	478.	80.
%RSD	.20794	.82777	.48814
#1	962.65	57407.	16265.
#2	959.82	58083.	16378.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 10/6/2013 16:24:28 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0050	.1964	.0096	-.0001	.1009	.0514	.0041	5.038	.0042	.0521
Stddev	.0003	.0008	.0009	.0002	.0002	.0002	.0000	.002	.0001	.0002
%RSD	6.240	.3923	9.202	270.6	.1715	.3364	.7672	.0310	2.985	.4206
#1	.0048	.1959	.0102	.0001	.1010	.0515	.0041	5.039	.0041	.0522
#2	.0052	.1970	.0090	-.0002	.1007	.0512	.0042	5.037	.0043	.0519

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0103	.0246	.1013	4.998	4.946	.0160	.1013	4.949	.0399	.0098
Stddev	.0009	.0003	.0015	.030	.009	.0001	.0002	.018	.0000	.0007
%RSD	8.844	1.403	1.466	.6059	.1807	.4447	.2013	.3592	.0430	7.516
#1	.0110	.0248	.1023	4.977	4.940	.0161	.1011	4.962	.0399	.0103
#2	.0097	.0243	.1002	5.020	4.952	.0160	.1014	4.937	.0399	.0093

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0005	.0013	-.0030	.0108	.0089	.0047	.0975	.0102	.0510	.0085
Stddev	.0007	.0045	.0012	.0009	.0004	.0002	.0001	.0000	.0001	.0004
%RSD	135.9	357.1	38.40	8.044	3.957	4.457	.1241	.1110	.1747	4.844
#1	.0000	.0044	-.0039	.0114	.0087	.0046	.0976	.0102	.0509	.0082
#2	.0010	-.0019	-.0022	.0102	.0092	.0049	.0974	.0101	.0511	.0088

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0101	.0035	.0207	.0009
Stddev	.0005	.0016	.0001	.0002
%RSD	4.577	45.18	.3481	24.11
#1	.0105	.0024	.0207	.0011
#2	.0098	.0046	.0206	.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	964.10	57972.	16525.
Stddev	.59	140.	20.
%RSD	.06112	.24223	.12277
#1	963.68	58071.	16510.
#2	964.52	57872.	16539.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 10/6/2013 16:29:22 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	523.6	.0021	.0240	.0053	-.0004	.0001	460.8	.0008	.0017
Stddev	.0008	3.8	.0016	.0008	.0001	.0001	.0000	.6	.0002	.0003
%RSD	383.3	.7272	75.23	3.181	2.029	25.19	19.33	.1295	29.81	18.35
#1	.0003	520.9	.0010	.0245	.0052	-.0004	.0001	460.3	.0006	.0015
#2	-.0008	526.3	.0033	.0234	.0054	-.0003	.0001	461.2	.0010	.0019

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0007	.0002	177.9	.0624	516.0	.0012	-.0004	.1241	-.0022	.0004
Stddev	.0001	.0002	.3	.0007	.2	.0001	.0002	.0031	.0004	.0043
%RSD	10.44	106.1	.1515	1.118	.0472	9.465	36.59	2.518	16.53	968.3
#1	-.0007	.0004	177.7	.0629	515.8	.0012	-.0005	.1263	-.0019	-.0026
#2	-.0008	.0001	178.0	.0619	516.2	.0013	-.0003	.1219	-.0024	.0035

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0036	-.0243	.0050	-.0005	.0005	.0472	.0010	.0008	.0071	.0005
Stddev	.0009	.0020	.0007	.0015	.0000	.0004	.0022	.0000	.0003	.0009
%RSD	24.17	8.028	14.83	310.6	.7244	.8934	230.2	2.716	4.609	172.0
#1	.0030	-.0229	.0055	-.0015	.0004	.0469	.0026	.0008	.0074	.0012
#2	.0042	-.0257	.0044	.0006	.0005	.0475	-.0006	.0009	.0069	-.0001

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0003	-.0168	-.0008	.0064
Stddev	.0001	.0045	.0004	.0001
%RSD	34.86	26.88	43.90	1.658
#1	.0002	-.0200	-.0011	.0063
#2	.0004	-.0136	-.0006	.0065

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	861.60	53738.	16139.
Stddev	4.90	91.	11.
%RSD	.56828	.16982	.06817
#1	858.14	53674.	16131.
#2	865.06	53803.	16146.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 10/6/2013 16:34:24 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.041	527.2	2.169	.5077	1.067	.4996	.4649	459.2	1.104	.5223
Stddev	.002	3.7	.004	.0050	.003	.0008	.0012	2.8	.001	.0006
%RSD	.1781	.7037	.1961	.9895	.2482	.1667	.2500	.6063	.1305	.1158
#1	1.042	529.8	2.172	.5041	1.069	.5002	.4658	461.2	1.103	.5219
#2	1.039	524.5	2.166	.5112	1.065	.4990	.4641	457.3	1.105	.5228

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4775	.5220	178.6	.0670	518.9	.4788	1.022	.1251	.9648	1.018
Stddev	.0027	.0012	.7	.0244	1.9	.0002	.001	.0003	.0019	.001
%RSD	.5562	.2239	.4080	36.48	.3673	.0471	.1290	.2196	.2011	.1355
#1	.4756	.5211	179.1	.0497	520.2	.4790	1.021	.1249	.9661	1.017
#2	.4794	.5228	178.0	.0843	517.5	.4786	1.023	.1253	.9634	1.019

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.5359	.4655	.5143	2.101	2.009	2.204	1.072	.9588	.4955	2.099
Stddev	.0018	.0086	.0009	.002	.006	.002	.002	.0010	.0044	.001
%RSD	.3410	1.844	.1719	.0808	.2881	.0802	.2184	.1055	.8790	.0524
#1	.5346	.4715	.5149	2.102	2.005	2.205	1.073	.9595	.4985	2.099
#2	.5372	.4594	.5137	2.100	2.013	2.203	1.070	.9580	.4924	2.100

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.4880	1.708	.9535	.4120
Stddev	.0049	.018	.0006	.0022
%RSD	.9959	1.058	.0636	.5332
#1	.4914	1.721	.9530	.4105
#2	.4846	1.695	.9539	.4136

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	855.87	53902.	16155.
Stddev	.77	90.	60.
%RSD	.08941	.16745	.37283
#1	856.41	53839.	16113.
#2	855.33	53966.	16198.

Zoom In Zoom Out

Sample Name: MP21766-B1 Acquired: 10/6/2013 16:39:16 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2024	2.210	.5119	-.0027	.0063	2.078	.5213	25.18	.5401	.5298
Stddev	.0005	.002	.0003	.0013	.0001	.001	.0000	.03	.0007	.0010
%RSD	.2364	.0673	.0496	46.94	.9998	.0553	.0058	.1360	.1265	.1934
#1	.2020	2.209	.5118	-.0018	.0062	2.077	.5213	25.20	.5406	.5305
#2	.2027	2.211	.5121	-.0036	.0063	2.079	.5212	25.15	.5396	.5290

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5380	.5046	2.114	25.43	25.65	.5207	.0022	25.57	.5064	1.022
Stddev	.0018	.0005	.004	.05	.03	.0015	.0004	.01	.0000	.000
%RSD	.3256	.0999	.1891	.2045	.1188	.2896	19.54	.0432	.0085	.0226
#1	.5368	.5049	2.117	25.39	25.67	.5196	.0025	25.57	.5065	1.022
#2	.5392	.5042	2.111	25.46	25.63	.5217	.0019	25.58	.5064	1.022

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0012	.0018	.0035	.5043	.4577	.0333	.0109	.5009	.5066	.4977
Stddev	.0004	.0044	.0014	.0009	.0001	.0011	.0002	.0005	.0035	.0004
%RSD	34.68	243.1	39.06	.1724	.0231	3.197	1.477	.0977	.6926	.0871
#1	.0009	-.0013	.0026	.5049	.4576	.0341	.0108	.5013	.5091	.4974
#2	.0015	.0049	.0045	.5037	.4578	.0326	.0110	.5006	.5041	.4981

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5281	.0213	.5294	.0363
Stddev	.0036	.0005	.0001	.0029
%RSD	.6800	2.521	.0126	8.004
#1	.5256	.0217	.5294	.0384
#2	.5307	.0209	.5295	.0343

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	938.00	57029.	16410.
Stddev	4.06	4.	39.
%RSD	.43295	.00644	.23494
#1	935.13	57032.	16383.
#2	940.87	57027.	16438.

Zoom In Zoom Out

Sample Name: MP21766-MB1 Acquired: 10/6/2013 16:44:02 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0001	.0227	-.0036	-.0007	.0028	.0006	.0001	.0325
Stddev	.0004	.0061	.0005	.0007	.0001	.0000	.0001	.0001
%RSD	624.3	27.11	13.13	102.2	5.287	2.198	97.62	.2712
#1	-.0004	.0270	-.0039	-.0012	.0029	.0006	.0000	.0324
#2	.0002	.0183	-.0032	-.0002	.0027	.0006	.0001	.0326

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0002	-.0007	.0004	.0000	.0279	.0243	.0097	.0010
Stddev	.0000	.0000	.0001	.000	.0026	.0017	.0302	.0000
%RSD	29.27	3.887	17.51	564.3	9.354	7.187	312.8	1.744
#1	.0002	-.0007	.0004	.0001	.0261	.0231	-.0117	.0010
#2	.0001	-.0007	.0003	-.0001	.0298	.0255	.0310	.0010

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0008	.0132	.0000	-.0004	.0003	.0033	-.0025	.0025
Stddev	.0000	.0016	.000	.0000	.0002	.0072	.0005	.0002
%RSD	1.801	12.19	973.7	6.899	84.02	219.7	19.10	6.783
#1	.0008	.0121	-.0002	-.0004	.0001	.0084	-.0022	.0026
#2	.0008	.0144	.0001	-.0004	.0004	-.0018	-.0029	.0024

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0002	.0216	.0106	.0002	.0017	F-.0089	-.0003	.0064
Stddev	.0015	.0000	.0003	.0000	.0003	.0012	.0001	.0015
%RSD	682.5	.0643	2.844	1.555	20.41	13.87	35.42	23.11
#1	.0012	.0215	.0104	.0002	.0014	-.0080	-.0002	.0053
#2	-.0008	.0216	.0108	.0002	.0019	-.0098	-.0003	.0074

Elem	Zn2062	Zr3391
Avg	.0017	.0019
Stddev	.0002	.0003
%RSD	9.761	14.31
#1	.0016	.0021
#2	.0018	.0017

Zoom In Zoom Out

Sample Name: MP21766-MB1 Acquired: 10/6/2013 16:44:02 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	951.74	57419.	16419.
Stddev	3.03	28.	108.
%RSD	.31865	.04883	.65512
#1	949.60	57399.	16495.
#2	953.89	57439.	16343.

Zoom In Zoom Out

Sample Name: MP21766-S1 Acquired: 10/6/2013 16:49:00 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1816	141.7	.5279	.0099	.0123	2.177	.4771	28.47	.4975	.5425
Stddev	.0002	.0	.0021	.0009	.0001	.002	.0004	.00	.0004	.0000
%RSD	.1299	.0302	.4056	8.916	1.209	.1009	.0865	.0080	.0855	.0023
#1	.1814	141.7	.5264	.0092	.0122	2.176	.4774	28.47	.4972	.5425
#2	.1818	141.7	.5294	.0105	.0124	2.179	.4768	28.47	.4978	.5425

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6445	.5662	146.8	32.13	52.40	2.334	.0034	23.60	.5587	.9911
Stddev	.0039	.0014	.0	.01	.07	.012	.0002	.02	.0004	.0031
%RSD	.6088	.2468	.0044	.0237	.1337	.5185	4.589	.1039	.0703	.3113
#1	.6418	.5672	146.8	32.14	52.35	2.325	.0035	23.62	.5584	.9932
#2	.6473	.5652	146.7	32.13	52.45	2.342	.0033	23.59	.5589	.9889

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0237	.0073	.6665	.1728	.4266	6.207	-.0186	.5185	8.510	.4634
Stddev	.0000	.0025	.0034	.0003	.0011	.003	.0000	.0000	.041	.0016
%RSD	.0706	34.91	.5068	.1748	.2476	.0502	.1854	.0062	.4780	.3547
#1	.0236	.0055	.6689	.1730	.4274	6.210	-.0186	.5185	8.481	.4623
#2	.0237	.0090	.6641	.1726	.4259	6.205	-.0186	.5184	8.539	.4646

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.7225	.0138	.6847	-.0074
Stddev	.0079	.0024	.0019	.0007
%RSD	1.093	17.39	.2846	9.091
#1	.7169	.0155	.6861	-.0079
#2	.7280	.0121	.6834	-.0069

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1020.4	62986.	18196.
Stddev	.6	189.	17.
%RSD	.05819	.30004	.09484
#1	1020.0	63120.	18183.
#2	1020.9	62853.	18208.

Zoom In Zoom Out

Sample Name: MP21766-S2 Acquired: 10/6/2013 16:53:45 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1839	130.9	.5318	.0100	.0107	2.185	.4789	27.68	.5044	.5422
Stddev	.0006	.3	.0016	.0012	.0003	.010	.0005	.02	.0022	.0030
%RSD	.3436	.2337	.3075	12.22	2.747	.4456	.0956	.0752	.4369	.5589
#1	.1834	131.1	.5306	.0092	.0105	2.192	.4792	27.69	.5028	.5400
#2	.1843	130.7	.5329	.0109	.0109	2.178	.4786	27.66	.5059	.5443

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6430	.5595	139.4	33.03	51.83	2.008	.0027	23.71	.5557	.9871
Stddev	.0017	.0009	.2	.08	.00	.001	.0001	.09	.0038	.0081
%RSD	.2709	.1546	.1298	.2550	.0023	.0674	2.118	.3722	.6815	.8217
#1	.6418	.5601	139.5	33.09	51.83	2.009	.0026	23.78	.5530	.9814
#2	.6443	.5589	139.2	32.97	51.83	2.007	.0027	23.65	.5583	.9929

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0227	.0036	.5810	.1836	.4353	6.108	-.0187	.5083	8.058	.4702
Stddev	.0001	.0023	.0028	.0003	.0029	.033	.0006	.0019	.005	.0012
%RSD	.3352	64.47	.4840	.1747	.6675	.5418	3.032	.3697	.0611	.2553
#1	.0227	.0052	.5790	.1839	.4332	6.084	-.0191	.5096	8.061	.4693
#2	.0226	.0019	.5830	.1834	.4374	6.131	-.0183	.5070	8.055	.4710

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.7168	.0109	.6760	-.0105
Stddev	.0023	.0025	.0049	.0004
%RSD	.3239	23.36	.7283	3.691
#1	.7152	.0091	.6725	-.0102
#2	.7184	.0126	.6795	-.0108

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1014.1	62351.	18019.
Stddev	.8	26.	31.
%RSD	.08249	.04111	.17127
#1	1014.6	62370.	18041.
#2	1013.5	62333.	17997.

Zoom In Zoom Out

Sample Name: MC24999-1 Acquired: 10/6/2013 16:58:30 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	127.6	.0556	.0134	.0082	.5254	.0054	5.666	.0009	.0583
Stddev	.0000	.1	.0022	.0005	.0000	.0001	.0000	.010	.0001	.0002
%RSD	5.304	.1081	3.895	3.778	.3914	.0169	.4945	.1827	9.871	.3877
#1	-.0007	127.7	.0541	.0138	.0082	.5255	.0054	5.673	.0009	.0585
#2	-.0007	127.5	.0572	.0130	.0081	.5254	.0054	5.659	.0008	.0582

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1459	.0954	143.7	12.05	28.57	1.693	.0032	.3805	.0915	.0654
Stddev	.0005	.0003	.2	.08	.15	.000	.0003	.0030	.0001	.0002
%RSD	.3717	.2836	.1068	.6647	.5300	.0039	7.986	.7801	.0946	.3385
#1	.1455	.0952	143.6	11.99	28.68	1.693	.0033	.3826	.0916	.0653
#2	.1463	.0956	143.9	12.11	28.46	1.693	.0030	.3784	.0914	.0656

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0240	.0032	.6153	.0016	.0047	6.051	-.0190	.0569	8.226	-.0011
Stddev	.0001	.0047	.0002	.0007	.0004	.017	.0009	.0000	.005	.0009
%RSD	.2179	146.3	.0267	47.07	8.163	.2762	4.569	.0496	.0623	84.27
#1	.0241	-.0001	.6151	.0010	.0044	6.062	-.0196	.0569	8.223	-.0004
#2	.0240	.0065	.6154	.0021	.0050	6.039	-.0184	.0569	8.230	-.0018

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2542	.0183	.2329	-.0133
Stddev	.0008	.0103	.0001	.0001
%RSD	.3248	56.62	.0586	.5822
#1	.2536	.0256	.2328	-.0132
#2	.2548	.0109	.2330	-.0133

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1025.8	63449.	18046.
Stddev	.4	2.	32.
%RSD	.04252	.00373	.17623
#1	1026.1	63447.	18069.
#2	1025.4	63451.	18024.

Zoom In Zoom Out

Sample Name: MP21766-SD1 Acquired: 10/6/2013 17:03:19 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0019	138.9	.0542	.0094	.0110	.5742	.0059	6.238	-.0001	.0632
Stddev	.0005	.0	.0087	.0005	.0008	.0012	.0001	.007	.0004	.0004
%RSD	24.17	.0348	15.97	5.041	6.903	.2159	1.126	.1154	268.8	.5720
#1	-.0022	138.9	.0481	.0097	.0116	.5750	.0060	6.233	.0001	.0634
#2	-.0016	138.8	.0604	.0091	.0105	.5733	.0059	6.243	-.0004	.0629

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1598	.1020	161.9	13.50	31.11	1.896	.0030	.4208	.0983	.0658
Stddev	.0007	.0016	.2	.01	.15	.003	.0021	.0013	.0001	.0029
%RSD	.4106	1.555	.1539	.0729	.4924	.1424	67.92	.3033	.1215	4.374
#1	.1593	.1031	161.7	13.51	31.01	1.898	.0045	.4217	.0983	.0638
#2	.1602	.1009	162.0	13.50	31.22	1.894	.0016	.4199	.0982	.0679

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0301	.0287	.6873	.0015	-.0054	7.216	-.0252	.0620	9.037	-.0016
Stddev	.0007	.0009	.0026	.0017	.0066	.000	.0039	.0003	.032	.0040
%RSD	2.451	3.189	.3843	113.6	121.6	.0021	15.58	.4057	.3494	253.1
#1	.0296	.0281	.6892	.0027	-.0008	7.216	-.0280	.0622	9.059	.0013
#2	.0306	.0294	.6854	.0003	-.0100	7.216	-.0224	.0618	9.014	-.0045

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2768	.0112	.2582	-.0148
Stddev	.0024	.0157	.0013	.0003
%RSD	.8811	140.6	.5181	2.321
#1	.2785	.0223	.2591	-.0146
#2	.2751	.0001	.2572	-.0151

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	986.07	59607.	16806.
Stddev	.25	190.	66.
%RSD	.02512	.31843	.39045
#1	985.89	59473.	16853.
#2	986.24	59741.	16760.

Zoom In Zoom Out

Sample Name: MP21766-B2 Acquired: 10/6/2013 17:08:12 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2034	2.203	.5267	-.0025	.0036	2.108	.5322	25.41	.5496	.5337
Stddev	.0012	.009	.0010	.0005	.0001	.002	.0010	.08	.0000	.0002
%RSD	.5690	.3986	.1869	18.97	3.762	.0845	.1919	.3249	.0088	.0304
#1	.2042	2.209	.5274	-.0028	.0037	2.110	.5315	25.35	.5496	.5336
#2	.2026	2.197	.5260	-.0021	.0035	2.107	.5329	25.47	.5495	.5338

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5452	.5079	2.109	25.96	26.12	.5263	.0005	25.96	.5086	1.019
Stddev	.0016	.0021	.004	.03	.18	.0005	.0003	.01	.0007	.000
%RSD	.2910	.4193	.1810	.0975	.6729	.0877	58.37	.0361	.1294	.0205
#1	.5441	.5094	2.112	25.97	26.00	.5260	.0003	25.96	.5091	1.019
#2	.5463	.5064	2.107	25.94	26.25	.5266	.0007	25.95	.5082	1.020

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0010	.0050	.0129	.5120	.4842	.0345	.0100	.5106	.5147	.5086
Stddev	.0009	.0055	.0022	.0014	.0004	.0006	.0002	.0001	.0053	.0002
%RSD	90.21	109.7	17.36	.2785	.0882	1.764	1.849	.0276	1.035	.0391
#1	.0003	.0011	.0113	.5110	.4845	.0349	.0099	.5107	.5185	.5085
#2	.0016	.0088	.0145	.5130	.4839	.0340	.0102	.5105	.5110	.5088

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5365	.0024	.5378	.0039
Stddev	.0018	.0014	.0000	.0000
%RSD	.3376	59.02	.0040	.5212
#1	.5378	.0014	.5378	.0039
#2	.5352	.0034	.5378	.0039

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	942.49	57081.	16308.
Stddev	3.80	2.	65.
%RSD	.40330	.00320	.39634
#1	939.80	57082.	16354.
#2	945.17	57080.	16262.

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/6/2013 17:12:59 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2461	9.763	1.935	-.0074	1.950	1.973	2.004	9.955	2.015	2.051
Stddev	.0008	.077	.002	.0007	.004	.013	.013	.072	.002	.002
%RSD	.3448	.7858	.1171	9.521	.2156	.6566	.6403	.7194	.0936	.0827
#1	.2467	9.817	1.936	-.0079	1.947	1.982	2.013	10.01	2.013	2.050
#2	.2455	9.709	1.933	-.0069	1.953	1.963	1.995	9.904	2.016	2.052

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.984	1.929	9.874	9.820	9.952	1.997	1.963	9.826	1.963	1.958
Stddev	.000	.005	.089	.074	.110	.004	.004	.067	.000	.004
%RSD	.0046	.2820	.8991	.7505	1.106	.1962	.1832	.6812	.0108	.2015
#1	1.984	1.925	9.936	9.872	10.03	2.000	1.961	9.874	1.963	1.956
#2	1.984	1.932	9.811	9.768	9.874	1.994	1.966	9.779	1.963	1.961

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0030	.0071	-.0003	1.942	1.934	.0259	1.965	1.962	1.926	1.967
Stddev	.0006	.0039	.0002	.003	.005	.0000	.003	.012	.004	.000
%RSD	20.21	55.22	81.62	.1357	.2515	.0061	.1591	.6125	.2168	.0081
#1	.0034	.0099	-.0005	1.940	1.937	.0259	1.962	1.970	1.929	1.967
#2	.0026	.0044	-.0001	1.944	1.930	.0259	1.967	1.953	1.924	1.967

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.930	-.0028	1.946	-.0007
Stddev	.004	.0043	.002	.0007
%RSD	.2330	156.0	.0926	102.3
#1	1.933	-.0058	1.947	-.0002
#2	1.927	.0003	1.945	-.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	960.88	58429.	16577.
Stddev	2.11	110.	132.
%RSD	.21967	.18812	.79352
#1	962.38	58352.	16484.
#2	959.39	58507.	16670.

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/6/2013 17:17:43 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0037	-.0002	-.0008	.0023	.0002	.0001	.0020	.0000	-.0002
Stddev	.0002	.0028	.0013	.0006	.0003	.0001	.0000	.0001	.000	.0000
%RSD	95.65	75.26	649.0	78.16	12.34	30.74	8.514	6.231	1477.	20.68
#1	-.0001	.0017	-.0011	-.0003	.0025	.0003	.0001	.0021	.0001	-.0001
#2	-.0003	.0056	.0007	-.0012	.0021	.0002	.0001	.0019	-.0001	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	-.0004	.0020	.0356	.0234	.0001	.0022	.0030	-.0003	-.0010
Stddev	.0003	.0002	.0008	.0063	.0102	.0000	.0005	.0020	.0002	.0012
%RSD	1289.	46.90	43.17	17.62	43.57	8.340	22.35	66.77	72.28	124.7
#1	-.0002	-.0002	.0014	.0400	.0306	.0001	.0025	.0016	-.0005	-.0001
#2	.0002	-.0005	.0026	.0311	.0162	.0001	.0018	.0044	-.0001	-.0019

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0011	.0022	.0023	.0005	-.0005	.0007	-.0004	.0002	.0005	.0006
Stddev	.0004	.0003	.0008	.0005	.0010	.0003	.0001	.0000	.0003	.0002
%RSD	39.29	14.58	33.48	82.84	176.8	51.49	27.73	19.32	49.22	31.78
#1	.0014	.0020	.0028	.0009	-.0012	.0009	-.0003	.0002	.0007	.0007
#2	.0008	.0024	.0017	.0002	.0001	.0004	-.0005	.0001	.0003	.0005

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0001	.0023	.0002	.0009
Stddev	.0005	.0008	.0000	.0001
%RSD	700.4	35.25	10.57	7.165
#1	-.0004	.0029	.0002	.0009
#2	.0003	.0017	.0002	.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	973.51	57703.	16362.
Stddev	3.69	110.	1.
%RSD	.37931	.19066	.00899
#1	970.90	57625.	16363.
#2	976.12	57781.	16361.

Zoom In Zoom Out

Sample Name: MP21766-LC1 Acquired: 10/6/2013 17:22:41 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.3433	91.54	.9494	.0043	1.049	1.725	.5434	61.47	.6707	1.070
Stddev	.0004	.24	.0006	.0006	.000	.003	.0016	.15	.0013	.000
%RSD	.1108	.2672	.0681	14.02	.0287	.1738	.3002	.2474	.1895	.0263
#1	.3436	91.71	.9490	.0039	1.049	1.727	.5445	61.58	.6698	1.071
#2	.3430	91.37	.9499	.0048	1.049	1.723	.5422	61.37	.6716	1.070

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.7215	.7769	118.0	39.31	31.33	2.916	.4131	6.580	.5869	.9494
Stddev	.0006	.0031	.3	.01	.03	.004	.0004	.005	.0004	.0014
%RSD	.0843	.4003	.2639	.0309	.0981	.1246	.0898	.0751	.0751	.1465
#1	.7211	.7747	118.2	39.32	31.36	2.918	.4128	6.583	.5872	.9484
#2	.7219	.7791	117.8	39.30	31.31	2.913	.4133	6.576	.5866	.9503

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0173	.0148	2.469	.5639	1.579	4.817	1.047	.6982	1.780	1.254
Stddev	.0005	.0003	.005	.0019	.002	.001	.002	.0021	.002	.002
%RSD	3.121	1.706	.2158	.3303	.0951	.0246	.2094	.2979	.0832	.1435
#1	.0169	.0150	2.465	.5626	1.580	4.818	1.048	.6997	1.779	1.253
#2	.0176	.0146	2.473	.5653	1.578	4.816	1.045	.6967	1.781	1.256

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5616	.0067	1.404	.0480
Stddev	.0001	.0059	.002	.0005
%RSD	.0179	88.25	.1541	1.011
#1	.5616	.0025	1.403	.0476
#2	.5615	.0109	1.406	.0483

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1004.6	62273.	17882.
Stddev	.6	51.	61.
%RSD	.06027	.08145	.34057
#1	1004.1	62237.	17839.
#2	1005.0	62309.	17925.

Zoom In Zoom Out

Sample Name: MC24044-22T Acquired: 10/6/2013 17:27:22 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	90.95	.2578	.0038	.0156	.2623	.0032	8.457	.0023	.0361
Stddev	.0000	.07	.0021	.0005	.0001	.0004	.0000	.034	.0001	.0000
%RSD	.8647	.0808	.8098	12.08	.8259	.1412	1.139	.4001	3.272	.0130
#1	-.0005	91.00	.2593	.0042	.0155	.2620	.0032	8.481	.0023	.0361
#2	-.0005	90.90	.2563	.0035	.0157	.2626	.0033	8.433	.0024	.0361

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2230	.1596	97.22	3.581	12.09	2.412	.0034	.2643	.0678	.2087
Stddev	.0021	.0011	.02	.008	.05	.010	.0001	.0042	.0001	.0019
%RSD	.9599	.6618	.0159	.2325	.4057	.4132	1.601	1.608	.1786	.9179
#1	.2245	.1603	97.23	3.587	12.06	2.419	.0033	.2613	.0677	.2074
#2	.2215	.1588	97.21	3.575	12.13	2.405	.0034	.2673	.0679	.2101

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0155	.0112	1.369	.0012	.0042	2.977	.0062	.0411	2.312	-.0012
Stddev	.0008	.0020	.003	.0001	.0010	.007	.0005	.0001	.009	.0006
%RSD	5.047	17.77	.2288	4.267	24.37	.2466	7.708	.3149	.4012	47.79
#1	.0150	.0098	1.371	.0012	.0050	2.983	.0059	.0410	2.319	-.0008
#2	.0161	.0126	1.367	.0013	.0035	2.972	.0066	.0412	2.306	-.0017

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1580	.0053	.2870	-.0062
Stddev	.0005	.0007	.0008	.0001
%RSD	.2861	12.50	.2680	2.247
#1	.1583	.0048	.2875	-.0061
#2	.1577	.0058	.2865	-.0063

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	996.06	60556.	17418.
Stddev	1.32	245.	65.
%RSD	.13220	.40469	.37054
#1	995.13	60382.	17372.
#2	997.00	60729.	17464.

Zoom In Zoom Out

Sample Name: MC24937-2 Acquired: 10/6/2013 17:32:12 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0013	58.79	.0255	.0022	.0022	.3977	.0040	11.22	.0001	.0369
Stddev	.0001	.23	.0007	.0006	.0000	.0006	.0001	.07	.0001	.0001
%RSD	8.446	.3973	2.794	25.82	.4596	.1491	1.985	.6546	117.7	.2693
#1	-.0014	58.95	.0250	.0018	.0022	.3981	.0040	11.27	.0000	.0368
#2	-.0013	58.62	.0260	.0026	.0022	.3973	.0039	11.16	.0002	.0370

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1114	.0724	99.78	19.02	25.84	2.990	.0028	1.397	.0821	.0415
Stddev	.0007	.0002	.36	.05	.32	.003	.0000	.015	.0004	.0005
%RSD	.6031	.2965	.3647	.2546	1.228	.0824	.8562	1.088	.4293	1.241
#1	.1109	.0726	100.0	19.05	26.06	2.988	.0028	1.408	.0823	.0411
#2	.1119	.0723	99.53	18.98	25.61	2.992	.0028	1.386	.0818	.0418

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0172	.0138	1.776	-.0007	.0001	2.194	-.0080	.0847	4.452	.0017
Stddev	.0001	.0000	.002	.0005	.0001	.008	.0007	.0006	.001	.0014
%RSD	.8357	.0902	.0830	77.56	69.20	.3453	8.769	.6782	.0251	84.30
#1	.0171	.0138	1.777	-.0010	.0001	2.188	-.0085	.0851	4.453	.0027
#2	.0173	.0138	1.775	-.0003	.0000	2.199	-.0075	.0843	4.451	.0007

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1472	.0102	.4483	.0022
Stddev	.0009	.0041	.0004	.0002
%RSD	.6204	39.60	.0982	9.357
#1	.1465	.0131	.4486	.0021
#2	.1478	.0074	.4480	.0024

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1100.9	67391.	19152.
Stddev	.4	66.	21.
%RSD	.04022	.09864	.10809
#1	1100.6	67344.	19138.
#2	1101.3	67438.	19167.

Zoom In Zoom Out

Sample Name: MC24937-4 Acquired: 10/6/2013 17:37:01 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0007	65.28	.0376	.0012	.0050	.2920	.0028	18.91
Stddev	.0003	.04	.0002	.0002	.0003	.0003	.0000	.03
%RSD	45.06	.0553	.5161	18.13	5.222	.0870	.6118	.1758
#1	-.0004	65.31	.0375	.0014	.0048	.2921	.0028	18.93
#2	-.0009	65.26	.0378	.0011	.0052	.2918	.0028	18.89

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0016	.0377	.0892	.0939	79.86	9.898	21.95	2.359
Stddev	.0000	.0001	.0001	.0001	.19	.019	.09	.010
%RSD	.5958	.1682	.1462	.1530	.2416	.1918	.4219	.4059
#1	.0016	.0376	.0891	.0940	79.99	9.885	22.02	2.366
#2	.0016	.0377	.0893	.0938	79.72	9.912	21.88	2.352

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0024	.6088	.0677	.3066	.0148	.0189	.5053	.0026
Stddev	.0002	.0002	.0004	.0025	.0010	.0001	.0032	.0004
%RSD	7.512	.0320	.6079	.8059	6.714	.2697	.6336	15.49
#1	.0022	.6089	.0680	.3083	.0155	.0189	.5030	.0028
#2	.0025	.6086	.0674	.3049	.0141	.0189	.5075	.0023

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0027	3.583	-.0057	.0585	4.282	F-.0057	.1256	.0043
Stddev	.0009	.006	.0007	.0002	.009	.0008	.0002	.0034
%RSD	34.88	.1813	12.52	.3910	.2189	14.51	.1412	79.19
#1	.0020	3.579	-.0052	.0587	4.289	-.0063	.1255	.0068
#2	.0034	3.588	-.0062	.0584	4.276	-.0051	.1258	.0019

Elem	Zn2062	Zr3391
Avg	.3410	-.0069
Stddev	.0003	.0004
%RSD	.0965	5.773
#1	.3412	-.0066
#2	.3407	-.0071

Zoom In Zoom Out

Sample Name: MC24937-4 Acquired: 10/6/2013 17:37:01 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1009.1	62050.	17702.
Stddev	1.9	253.	54.
%RSD	.18415	.40731	.30768
#1	1010.5	61871.	17664.
#2	1007.8	62229.	17741.

Zoom In Zoom Out

Sample Name: MC24958-12 Acquired: 10/6/2013 17:41:51 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0019	48.77	.0117	.0033	.0501	.3629	.0023	11.37	.0013	.0422
Stddev	.0001	.10	.0006	.0011	.0002	.0010	.0000	.03	.0000	.0001
%RSD	6.516	.2139	4.940	33.85	.4538	.2809	1.961	.2572	2.541	.1279
#1	.0018	48.69	.0121	.0041	.0499	.3622	.0023	11.35	.0013	.0422
#2	.0020	48.84	.0113	.0025	.0502	.3636	.0023	11.39	.0013	.0423

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2508	.1875	81.74	5.214	20.57	1.922	.0009	3.709	.1006	.1211
Stddev	.0003	.0018	.25	.027	.03	.005	.0001	.010	.0004	.0010
%RSD	.1175	.9710	.3095	.5250	.1641	.2422	11.92	.2656	.3945	.8242
#1	.2506	.1887	81.56	5.233	20.59	1.926	.0008	3.703	.1003	.1204
#2	.2510	.1862	81.92	5.195	20.54	1.919	.0009	3.716	.1009	.1218

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0136	.0124	1.014	.0030	.0107	3.274	-.0042	.0457	2.880	-.0046
Stddev	.0004	.0057	.003	.0009	.0004	.007	.0003	.0000	.010	.0002
%RSD	2.735	45.80	.2888	31.41	4.089	.2285	6.789	.0796	.3334	5.152
#1	.0139	.0164	1.012	.0023	.0104	3.269	-.0040	.0457	2.886	-.0045
#2	.0133	.0084	1.017	.0036	.0110	3.279	-.0044	.0458	2.873	-.0048

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1781	1.842	.3877	-.0041
Stddev	.0006	.017	.0015	.0003
%RSD	.3336	.9114	.3958	6.824
#1	.1776	1.854	.3866	-.0039
#2	.1785	1.830	.3887	-.0043

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	997.62	60669.	17269.
Stddev	1.70	220.	72.
%RSD	.17040	.36273	.41970
#1	996.42	60514.	17320.
#2	998.82	60825.	17218.

Zoom In Zoom Out

Sample Name: MC24958-15 Acquired: 10/6/2013 17:46:41 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0077	75.78	.0294	.0054	.2244	.2292	.0028	16.21	.0257	.0720
Stddev	.0002	.06	.0006	.0002	.0002	.0004	.0001	.02	.0002	.0001
%RSD	2.611	.0820	2.201	4.031	.0704	.1652	2.326	.1173	.6040	.1810
#1	.0076	75.82	.0298	.0053	.2243	.2295	.0028	16.23	.0258	.0721
#2	.0079	75.73	.0289	.0056	.2245	.2289	.0029	16.20	.0256	.0719

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.3863	.1370	92.46	4.789	19.40	1.900	.0081	3.443	.5137	.1629
Stddev	.0027	.0001	.15	.033	.08	.007	.0003	.004	.0008	.0002
%RSD	.6951	.0886	.1616	.6878	.3928	.3719	3.572	.1148	.1550	.1494
#1	.3844	.1371	92.57	4.813	19.46	1.895	.0083	3.440	.5143	.1631
#2	.3882	.1369	92.36	4.766	19.35	1.905	.0079	3.445	.5132	.1627

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0153	.0111	.6068	.0033	.0038	3.718	-.0016	.1047	3.593	-.0046
Stddev	.0002	.0055	.0006	.0005	.0018	.004	.0007	.0003	.011	.0005
%RSD	1.126	49.17	.1058	16.79	47.03	.1176	47.30	.3301	.2971	11.52
#1	.0152	.0073	.6073	.0036	.0051	3.715	-.0021	.1050	3.586	-.0042
#2	.0155	.0150	.6064	.0029	.0026	3.721	-.0010	.1045	3.601	-.0050

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1610	.0098	.2667	-.0143
Stddev	.0006	.0073	.0005	.0002
%RSD	.3739	74.44	.2061	1.304
#1	.1605	.0149	.2671	-.0144
#2	.1614	.0046	.2663	-.0141

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	990.83	60600.	17357.
Stddev	2.81	317.	21.
%RSD	.28358	.52236	.12113
#1	988.84	60824.	17372.
#2	992.81	60377.	17342.

Zoom In Zoom Out

Sample Name: MC24958-20 Acquired: 10/6/2013 17:51:29 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1134	41.99	.0119	.0033	.0145	.1838	.0022	15.69	.0445	.0525
Stddev	.0005	.02	.0002	.0015	.0004	.0002	.0000	.04	.0004	.0001
%RSD	.4282	.0363	1.532	46.57	2.604	.1037	.0888	.2540	.7940	.0978
#1	.1137	42.00	.0118	.0022	.0147	.1837	.0022	15.72	.0447	.0525
#2	.1131	41.98	.0121	.0044	.0142	.1839	.0022	15.66	.0442	.0526

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.265	.2896	71.69	7.863	16.75	1.603	.0209	5.862	.5701	.0239
Stddev	.001	.0006	.17	.065	.05	.002	.0000	.005	.0017	.0002
%RSD	.0447	.2120	.2317	.8280	.2843	.1215	.0396	.0856	.2984	.8924
#1	1.265	.2892	71.80	7.817	16.79	1.604	.0209	5.859	.5713	.0237
#2	1.264	.2900	71.57	7.909	16.72	1.602	.0209	5.866	.5689	.0240

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0121	.0050	.4649	.0030	.0013	1.795	.0000	.0523	2.752	-.0044
Stddev	.0007	.0033	.0013	.0003	.0021	.003	.0007	.0004	.004	.0002
%RSD	6.039	66.77	.2762	9.146	161.6	.1813	3985.	.7609	.1390	4.855
#1	.0126	.0026	.4658	.0032	.0027	1.797	.0005	.0520	2.755	-.0045
#2	.0116	.0073	.4639	.0028	-.0002	1.792	-.0005	.0526	2.749	-.0042

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0965	.0151	.1471	-.0022
Stddev	.0008	.0022	.0006	.0002
%RSD	.8384	14.37	.3927	7.123
#1	.0960	.0136	.1467	-.0023
#2	.0971	.0167	.1475	-.0021

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1019.6	61913.	17599.
Stddev	3.5	145.	60.
%RSD	.34024	.23457	.34049
#1	1017.1	61810.	17556.
#2	1022.0	62015.	17641.

Zoom In Zoom Out

Sample Name: MC24958-5 Acquired: 10/6/2013 17:56:17 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0631	79.19	.0450	.0085	.0718	.7072	.0032	24.73	.2236	.1577
Stddev	.0003	.47	.0009	.0002	.0003	.0020	.0000	.19	.0001	.0002
%RSD	.4719	.5988	1.961	2.607	.4181	.2765	.0214	.7497	.0295	.1285
#1	.0629	78.86	.0444	.0084	.0716	.7058	.0032	24.60	.2235	.1578
#2	.0633	79.53	.0456	.0087	.0720	.7086	.0032	24.86	.2236	.1575

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	5.159	.9962	116.3	5.846	16.22	1.932	.1574	.9864	3.924	1.220
Stddev	.002	.0057	.7	.004	.09	.001	.0000	.0004	.017	.004
%RSD	.0303	.5714	.6329	.0641	.5501	.0310	.0009	.0455	.4262	.2896
#1	5.158	1.000	115.8	5.843	16.16	1.932	.1574	.9868	3.936	1.223
#2	5.160	.9922	116.8	5.849	16.29	1.931	.1574	.9861	3.912	1.218

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0189	-.0129	6.405	.0063	.0050	4.394	.0726	.1191	4.232	-.0047
Stddev	.0016	.0022	.013	.0001	.0014	.022	.0010	.0006	.012	.0021
%RSD	8.444	17.30	.2069	2.374	28.32	.5039	1.320	.5343	.2879	44.10
#1	.0178	-.0113	6.414	.0061	.0040	4.410	.0732	.1186	4.241	-.0061
#2	.0200	-.0145	6.395	.0064	.0060	4.378	.0719	.1195	4.224	-.0032

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2195	.0492	1.395	-.0153
Stddev	.0006	.0041	.006	.0001
%RSD	.2706	8.322	.4391	.4091
#1	.2199	.0521	1.399	-.0152
#2	.2191	.0463	1.390	-.0153

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	989.93	61027.	17427.
Stddev	3.14	86.	168.
%RSD	.31722	.14158	.96271
#1	987.71	60966.	17545.
#2	992.15	61088.	17308.

Zoom In Zoom Out

Sample Name: MC24980-1 Acquired: 10/6/2013 18:01:04 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0014	56.75	.0149	.0071	.3661	.1747	.0023	20.80	.0086	.0499
Stddev	.0002	.09	.0022	.0005	.0003	.0004	.0000	.12	.0001	.0003
%RSD	16.54	.1583	14.71	6.961	.0773	.2108	.5582	.5724	1.436	.5099
#1	.0016	56.82	.0134	.0074	.3663	.1745	.0023	20.88	.0086	.0501
#2	.0012	56.69	.0165	.0067	.3659	.1750	.0023	20.71	.0087	.0498

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0971	.0878	95.16	3.382	21.45	1.472	.0035	17.17	.0784	.1407
Stddev	.0005	.0005	.38	.035	.15	.003	.0001	.02	.0007	.0003
%RSD	.5587	.6159	.4033	1.039	.6884	.2236	3.378	.1307	.9270	.1912
#1	.0968	.0882	95.44	3.358	21.35	1.470	.0036	17.19	.0790	.1409
#2	.0975	.0874	94.89	3.407	21.56	1.475	.0034	17.16	.0779	.1406

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0157	.0034	.6919	.0012	.0023	3.251	-.0023	.0831	3.226	-.0002
Stddev	.0006	.0002	.0038	.0005	.0008	.007	.0009	.0001	.000	.0000
%RSD	3.661	6.386	.5519	39.53	35.26	.2310	40.43	.0715	.0068	2.037
#1	.0161	.0032	.6946	.0016	.0029	3.256	-.0016	.0831	3.226	-.0002
#2	.0153	.0035	.6892	.0009	.0017	3.246	-.0030	.0832	3.226	-.0002

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1809	.0072	.2150	-.0132
Stddev	.0005	.0012	.0005	.0002
%RSD	.3038	16.64	.2468	1.718
#1	.1805	.0081	.2154	-.0134
#2	.1813	.0064	.2146	-.0131

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1018.6	61911.	17583.
Stddev	.5	25.	120.
%RSD	.04514	.03965	.68287
#1	1019.0	61929.	17498.
#2	1018.3	61894.	17668.

Zoom In Zoom Out

Sample Name: MC24980-10 Acquired: 10/6/2013 18:05:52 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.2477	60.18	.0477	.0090	.1970	.4227	.0024	221.9
Stddev	.0004	.03	.0005	.0005	.0002	.0004	.0001	.7
%RSD	.1605	.0562	1.034	5.702	.0917	.1012	3.355	.3261
#1	.2474	60.16	.0481	.0094	.1969	.4230	.0023	222.4
#2	.2479	60.20	.0474	.0087	.1971	.4224	.0024	221.3

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	1.043	.9796	F14.59	1.870	117.4	6.651	22.78	2.258
Stddev	.004	.0007	.01	.001	.0	.016	.05	.004
%RSD	.3568	.0753	.1002	.0579	.0380	.2455	.2166	.1578
#1	1.046	.9801	14.60	1.869	117.3	6.640	22.74	2.260
#2	1.041	.9790	14.58	1.871	117.4	6.663	22.81	2.255

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.4739	4.694	F16.65	1.224	.0134	F-.0537	F49.47	.0158
Stddev	.0004	.003	.01	.005	.0011	.0029	.23	.0015
%RSD	.0942	.0711	.0531	.4171	8.120	5.376	.4650	9.214
#1	.4736	4.692	16.65	1.228	.0127	-.0516	49.63	.0168
#2	.4742	4.696	16.64	1.221	.0142	-.0557	49.31	.0147

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0009	3.933	.2091	.2462	9.198	.0056	.3408	.1722
Stddev	.0001	.005	.0014	.0005	.002	.0003	.0008	.0013
%RSD	14.92	.1215	.6780	.2208	.0176	5.207	.2391	.7551
#1	.0009	3.937	.2081	.2466	9.199	.0054	.3402	.1731
#2	.0008	3.930	.2101	.2458	9.197	.0058	.3414	.1713

Elem	Zn2062	Zr3391
Avg	2.459	.0171
Stddev	.005	.0007
%RSD	.2057	4.075
#1	2.462	.0167
#2	2.455	.0176

Zoom In Zoom Out

Sample Name: MC24980-10 Acquired: 10/6/2013 18:05:52 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	967.09	59147.	17037.
Stddev	5.44	7.	37.
%RSD	.56242	.01136	.21687
#1	963.25	59152.	17063.
#2	970.94	59142.	17011.

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/6/2013 18:10:44 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2475	9.657	1.940	-.0074	1.960	1.958	1.986	9.844	2.027	2.056
Stddev	.0021	.196	.001	.0000	.003	.039	.040	.215	.000	.000
%RSD	.8395	2.025	.0329	.1950	.1546	2.011	2.013	2.180	.0174	.0118
#1	.2460	9.519	1.941	-.0074	1.962	1.930	1.958	9.692	2.027	2.056
#2	.2489	9.795	1.940	-.0074	1.958	1.986	2.015	9.996	2.026	2.056

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.981	1.938	9.767	9.747	9.857	2.003	1.968	9.784	1.974	1.960
Stddev	.020	.014	.226	.166	.100	.017	.001	.183	.005	.000
%RSD	1.015	.7180	2.309	1.698	1.013	.8615	.0249	1.872	.2737	.0154
#1	1.966	1.928	9.607	9.630	9.786	1.990	1.967	9.654	1.978	1.960
#2	1.995	1.948	9.926	9.864	9.927	2.015	1.968	9.913	1.970	1.960

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0024	.0073	.0040	1.946	1.936	.0312	1.970	1.947	1.933	1.966
Stddev	.0010	.0076	.0022	.000	.001	.0025	.003	.039	.019	.003
%RSD	40.34	104.8	54.61	.0086	.0495	8.139	.1657	1.999	.9965	.1638
#1	.0017	.0019	.0024	1.946	1.936	.0330	1.967	1.919	1.919	1.964
#2	.0031	.0127	.0055	1.946	1.937	.0294	1.972	1.974	1.946	1.968

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.934	-.0032	1.951	-.0047
Stddev	.021	.0024	.003	.0002
%RSD	1.060	75.82	.1489	3.431
#1	1.919	-.0015	1.953	-.0046
#2	1.948	-.0049	1.949	-.0048

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	954.31	57994.	16524.
Stddev	.85	428.	291.
%RSD	.08884	.73772	1.7591
#1	954.91	58296.	16729.
#2	953.71	57691.	16318.

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/6/2013 18:15:27 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	-.0002	-.0011	-.0008	.0024	.0000	.0001	.0019	-.0001	.0002
Stddev	.0000	.0030	.0008	.0009	.0002	.0001	.0000	.0045	.0000	.0001
%RSD	4.007	1258.	69.99	111.0	7.560	1273.	24.28	238.9	17.95	70.39
#1	-.0006	.0019	-.0005	-.0014	.0025	-.0001	.0001	.0051	-.0002	.0002
#2	-.0006	-.0024	-.0016	-.0002	.0023	.0001	.0001	-.0013	-.0001	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	-.0003	.0041	.0221	.0271	.0002	.0026	.0003	-.0001	-.0007
Stddev	.0006	.0001	.0008	.0073	.0065	.0000	.0003	.0001	.0002	.0002
%RSD	1234.	30.04	20.90	33.04	24.11	1.889	13.19	40.60	203.4	21.00
#1	.0004	-.0004	.0047	.0272	.0318	.0002	.0029	.0004	-.0002	-.0006
#2	-.0005	-.0003	.0035	.0169	.0225	.0002	.0024	.0002	.0000	-.0009

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0011	.0006	-.0006	.0005	-.0009	.0009	.0001	.0002	.0009	-.0002
Stddev	.0003	.0028	.0003	.0008	.0005	.0006	.0000	.0000	.0002	.0003
%RSD	26.73	432.1	43.45	168.0	55.75	64.54	38.29	11.93	26.23	149.3
#1	.0013	-.0013	-.0008	.0010	-.0006	.0005	.0001	.0002	.0010	.0000
#2	.0009	.0026	-.0004	-.0001	-.0013	.0012	.0001	.0002	.0007	-.0004

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0003	.0000	.0000	.0012
Stddev	.0000	.003	.0000	.0003
%RSD	5.293	6158.	12.34	23.40
#1	-.0004	.0021	.0000	.0010
#2	-.0003	-.0022	.0000	.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	978.63	57739.	16434.
Stddev	5.53	145.	252.
%RSD	.56519	.25071	1.5329
#1	982.54	57841.	16255.
#2	974.72	57636.	16612.

Zoom In Zoom Out

Sample Name: MC24980-11 Acquired: 10/6/2013 18:20:26 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0018	45.85	.0153	.0057	.1007	.1869	.0021	7.696	.0310	.0421
Stddev	.0004	.17	.0015	.0004	.0002	.0002	.0000	.061	.0004	.0000
%RSD	23.81	.3691	9.577	7.301	.2459	.1005	1.553	.7958	1.281	.0833
#1	.0021	45.97	.0164	.0060	.1008	.1867	.0022	7.739	.0312	.0421
#2	.0015	45.73	.0143	.0054	.1005	.1870	.0021	7.652	.0307	.0421

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0881	.0742	88.14	4.487	14.08	1.911	.0036	1.448	.0794	.1229
Stddev	.0002	.0003	.57	.030	.00	.003	.0001	.009	.0001	.0012
%RSD	.2386	.3470	.6414	.6609	.0050	.1285	3.295	.5881	.0727	.9363
#1	.0883	.0740	88.54	4.508	14.08	1.913	.0035	1.454	.0795	.1220
#2	.0880	.0744	87.74	4.466	14.08	1.910	.0037	1.442	.0794	.1237

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0145	.0107	.2615	.0013	.0013	2.873	.0048	.0523	2.434	-.0006
Stddev	.0015	.0037	.0033	.0001	.0011	.010	.0004	.0001	.002	.0013
%RSD	10.26	34.16	1.251	11.11	78.20	.3477	8.716	.1304	.0852	206.6
#1	.0155	.0133	.2638	.0012	.0021	2.880	.0045	.0523	2.436	-.0016
#2	.0134	.0081	.2591	.0014	.0006	2.866	.0051	.0522	2.433	.0003

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1081	.0051	.1787	-.0079
Stddev	.0005	.0017	.0006	.0004
%RSD	.4347	32.51	.3472	5.641
#1	.1077	.0063	.1792	-.0082
#2	.1084	.0039	.1783	-.0076

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1018.8	61581.	17376.
Stddev	6.6	62.	155.
%RSD	.64766	.10094	.89324
#1	1014.1	61537.	17266.
#2	1023.4	61625.	17485.

Zoom In Zoom Out

Sample Name: MC24980-16 Acquired: 10/6/2013 18:25:16 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0446	31.45	.0089	.0007	.0153	.1348	.0017	3.875
Stddev	.0002	.02	.0009	.0001	.0004	.0000	.0000	.035
%RSD	.3617	.0704	10.56	12.01	2.887	.0072	.0623	.8904
#1	.0445	31.44	.0095	.0007	.0150	.1348	.0017	3.851
#2	.0447	31.47	.0082	.0006	.0157	.1348	.0017	3.900

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0084	.0396	.5491	.1613	63.70	5.885	13.32	1.749
Stddev	.0001	.0002	.0058	.0003	.11	.014	.02	.010
%RSD	1.433	.5556	1.053	.1561	.1784	.2418	.1178	.5726
#1	.0085	.0395	.5450	.1615	63.62	5.875	13.31	1.742
#2	.0083	.0398	.5532	.1612	63.78	5.896	13.33	1.756

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0166	.5656	.2805	.0224	.0107	.0044	.1391	.0018
Stddev	.0002	.0079	.0002	.0010	.0003	.0019	.0014	.0009
%RSD	1.381	1.397	.0558	4.404	2.666	43.37	.9971	52.06
#1	.0165	.5600	.2806	.0231	.0105	.0030	.1381	.0011
#2	.0168	.5712	.2804	.0217	.0109	.0057	.1401	.0024

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0012	2.150	.0038	.0201	1.887	F-.0060	.0788	.0100
Stddev	.0009	.002	.0005	.0001	.006	.0012	.0002	.0028
%RSD	79.76	.1115	12.32	.5506	.3190	20.46	.2273	27.80
#1	.0005	2.152	.0041	.0200	1.883	-.0051	.0789	.0080
#2	.0019	2.149	.0035	.0201	1.891	-.0068	.0787	.0120

Elem	Zn2062	Zr3391
Avg	.1171	-.0051
Stddev	.0008	.0005
%RSD	.7143	9.905
#1	.1165	-.0055
#2	.1177	-.0048

Zoom In Zoom Out

Sample Name: MC24980-16 Acquired: 10/6/2013 18:25:16 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	985.69	59971.	17092.
Stddev	.70	373.	14.
%RSD	.07135	.62142	.08029
#1	985.19	60235.	17083.
#2	986.19	59708.	17102.

Zoom In Zoom Out

Sample Name: MC24980-17 Acquired: 10/6/2013 18:30:08 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0021	49.41	.0138	.0051	.0972	.5261	.0030	22.04	.0063	.0616
Stddev	.0003	.07	.0004	.0012	.0007	.0003	.0000	.05	.0001	.0001
%RSD	15.60	.1402	2.677	22.85	.6986	.0489	.9731	.2213	2.249	.1431
#1	.0023	49.45	.0141	.0043	.0968	.5260	.0030	22.07	.0064	.0615
#2	.0019	49.36	.0136	.0060	.0977	.5263	.0031	22.01	.0062	.0617

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2825	.2161	105.4	6.194	24.86	2.455	.0029	1.597	.1332	.1019
Stddev	.0011	.0001	.2	.067	.15	.005	.0001	.008	.0001	.0007
%RSD	.3764	.0308	.1454	1.079	.5858	.1930	4.424	.4740	.0925	.6727
#1	.2818	.2162	105.5	6.146	24.76	2.452	.0029	1.591	.1331	.1024
#2	.2833	.2161	105.3	6.241	24.96	2.458	.0030	1.602	.1333	.1014

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0175	.0107	1.155	.0017	.0019	3.231	-.0051	.0770	4.037	-.0038
Stddev	.0001	.0041	.002	.0009	.0005	.002	.0007	.0001	.010	.0005
%RSD	.7275	38.26	.1522	50.62	28.29	.0535	13.33	.1136	.2515	13.33
#1	.0175	.0137	1.154	.0011	.0023	3.230	-.0046	.0769	4.030	-.0034
#2	.0176	.0078	1.156	.0024	.0016	3.233	-.0056	.0770	4.044	-.0041

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2373	.0091	.3912	.0103
Stddev	.0015	.0002	.0001	.0005
%RSD	.6389	2.203	.0148	4.557
#1	.2362	.0093	.3912	.0100
#2	.2383	.0090	.3913	.0107

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1006.3	61462.	17632.
Stddev	2.5	216.	90.
%RSD	.24437	.35076	.51142
#1	1008.1	61614.	17568.
#2	1004.6	61309.	17696.

Zoom In Zoom Out

Sample Name: MC24980-6 Acquired: 10/6/2013 18:34:57 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.4490	36.26	.0060	.0023	.0372	.1604	.0017	29.18	.1833	.0725
Stddev	.0006	.07	.0001	.0005	.0001	.0003	.0000	.07	.0006	.0002
%RSD	.1349	.1985	1.714	19.94	.2661	.2174	1.427	.2323	.3173	.2567
#1	.4494	36.31	.0061	.0026	.0373	.1607	.0017	29.23	.1837	.0723
#2	.4486	36.20	.0059	.0020	.0371	.1602	.0017	29.13	.1829	.0726

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.223	.5573	57.91	6.127	14.48	1.332	.0128	1.417	.7572	.0276
Stddev	.006	.0012	.11	.058	.17	.005	.0003	.011	.0029	.0005
%RSD	.5051	.2159	.1889	.9492	1.166	.3940	2.327	.7687	.3823	1.645
#1	1.228	.5582	57.99	6.086	14.36	1.336	.0126	1.409	.7552	.0280
#2	1.219	.5565	57.83	6.168	14.60	1.329	.0130	1.425	.7593	.0273

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0084	.0024	1.131	.0027	.0008	2.559	.0042	.0531	2.072	-.0035
Stddev	.0013	.0049	.005	.0008	.0011	.005	.0005	.0006	.009	.0031
%RSD	15.29	207.3	.4393	28.68	143.7	.1827	13.06	1.042	.4519	89.34
#1	.0075	.0059	1.135	.0021	.0016	2.556	.0038	.0527	2.079	-.0013
#2	.0093	-.0011	1.128	.0032	.0000	2.563	.0046	.0535	2.066	-.0056

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0826	.0116	.1558	-.0052
Stddev	.0004	.0036	.0007	.0006
%RSD	.5398	31.31	.4713	11.37
#1	.0829	.0090	.1564	-.0048
#2	.0823	.0142	.1553	-.0056

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	983.05	59255.	16836.
Stddev	.65	465.	4.
%RSD	.06596	.78510	.02437
#1	982.59	58926.	16833.
#2	983.51	59584.	16839.

Zoom In Zoom Out

Sample Name: MC24980-7 Acquired: 10/6/2013 18:39:46 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0034	61.76	.0178	.0051	.1614	.2717	.0026	10.27
Stddev	.0003	.11	.0010	.0005	.0006	.0004	.0001	.03
%RSD	8.765	.1743	5.629	9.111	.4022	.1568	2.711	.3041
#1	.0036	61.83	.0171	.0048	.1618	.2714	.0026	10.29
#2	.0032	61.68	.0185	.0055	.1609	.2720	.0025	10.25

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0161	.0422	.1892	.0945	80.71	5.378	16.64	1.944
Stddev	.0000	.0003	.0017	.0001	.17	.021	.01	.001
%RSD	.1078	.7512	.8790	.0531	.2127	.3929	.0543	.0638
#1	.0161	.0419	.1880	.0945	80.83	5.363	16.65	1.943
#2	.0161	.0424	.1904	.0945	80.58	5.393	16.63	1.945

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0054	8.854	.1499	.3811	.0135	.0107	.4379	.0028
Stddev	.0001	.018	.0001	.0006	.0003	.0008	.0006	.0007
%RSD	1.155	.1989	.0759	.1452	2.031	7.178	.1391	25.94
#1	.0054	8.866	.1498	.3807	.0137	.0102	.4374	.0023
#2	.0055	8.841	.1500	.3815	.0133	.0113	.4383	.0033

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0028	3.708	-.0017	.0685	3.068	F-.0065	.1346	.0083
Stddev	.0013	.019	.0007	.0001	.001	.0004	.0010	.0008
%RSD	48.12	.5244	40.19	.1950	.0234	6.027	.7149	9.135
#1	.0037	3.694	-.0012	.0684	3.069	-.0063	.1352	.0089
#2	.0018	3.722	-.0022	.0686	3.068	-.0068	.1339	.0078

Elem	Zn2062	Zr3391
Avg	.2854	-.0138
Stddev	.0013	.0001
%RSD	.4423	1.014
#1	.2845	-.0139
#2	.2863	-.0137

Zoom In Zoom Out

Sample Name: MC24980-7 Acquired: 10/6/2013 18:39:46 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	990.45	60388.	17301.
Stddev	1.10	131.	89.
%RSD	.11155	.21768	.51193
#1	991.23	60481.	17239.
#2	989.67	60295.	17364.

Zoom In Zoom Out

Sample Name: MC24980-9 Acquired: 10/6/2013 18:44:34 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.2509	59.33	.0603	.0267	.3382	.8732	.0001	523.5
Stddev	.0002	.18	.0005	.0000	.0021	.0032	.0000	.1
%RSD	.0719	.3092	.8136	.0676	.6112	.3698	24.15	.0109
#1	.2508	59.20	.0607	.0267	.3397	.8709	.0001	523.5
#2	.2510	59.46	.0600	.0267	.3367	.8755	.0002	523.4

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	2.309	2.654	F81.57	F18.32	223.1	8.090	16.18	2.241
Stddev	.003	.006	.30	.01	1.3	.064	.03	.003
%RSD	.1223	.2192	.3696	.0740	.5958	.7919	.1829	.1183
#1	2.311	2.658	81.78	18.33	224.1	8.045	16.20	2.243
#2	2.307	2.650	81.35	18.31	222.2	8.136	16.16	2.240

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	1.718	9.354	F77.79	4.923	.0176	F-.3085	F128.6	.0441
Stddev	.001	.035	.20	.010	.0010	.0028	.2	.0009
%RSD	.0573	.3708	.2558	.1958	5.615	.8949	.1589	1.934
#1	1.719	9.329	77.93	4.930	.0183	-.3066	128.7	.0447
#2	1.717	9.378	77.65	4.916	.0169	-.3105	128.4	.0435

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	-.0002	4.527	.7624	.4916	11.97	.0182	.4510	.4445
Stddev	.0019	.014	.0045	.0020	.00	.0030	.0071	.0099
%RSD	1179.	.2977	.5943	.4007	.0157	16.30	1.581	2.234
#1	.0012	4.537	.7656	.4902	11.97	.0161	.4460	.4375
#2	-.0015	4.518	.7592	.4930	11.97	.0202	.4560	.4515

Elem	Zn2062	Zr3391
Avg	4.637	.0374
Stddev	.016	.0014
%RSD	.3474	3.655
#1	4.648	.0364
#2	4.626	.0384

Zoom In Zoom Out

Sample Name: MC24980-9 Acquired: 10/6/2013 18:44:34 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	906.62	57813.	17046.
Stddev	.83	5.	69.
%RSD	.09137	.00850	.40563
#1	906.03	57817.	16997.
#2	907.21	57810.	17095.

Zoom In Zoom Out

Sample Name: MC24999-2 Acquired: 10/6/2013 18:49:43 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	175.2	.0613	.0150	.0136	.3809	.0055	4.816	.0012	.0530
Stddev	.0004	1.6	.0007	.0010	.0003	.0034	.0000	.064	.0001	.0005
%RSD	62.62	.8908	1.121	6.716	2.116	.9034	.0658	1.326	6.177	.8911
#1	-.0009	176.3	.0618	.0143	.0134	.3834	.0055	4.861	.0012	.0526
#2	-.0003	174.1	.0608	.0157	.0138	.3785	.0055	4.771	.0011	.0533

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2112	.0733	156.8	6.112	28.93	1.257	.0046	.3818	.1041	.0711
Stddev	.0010	.0009	1.5	.042	.26	.006	.0004	.0110	.0001	.0015
%RSD	.4733	1.175	.9715	.6905	.8852	.5169	9.214	2.883	.1004	2.119
#1	.2105	.0727	157.9	6.142	29.11	1.253	.0049	.3896	.1042	.0722
#2	.2119	.0739	155.7	6.082	28.75	1.262	.0043	.3740	.1040	.0700

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0265	-.0024	.9166	.0034	.0074	7.697	-.0193	.0576	8.681	-.0034
Stddev	.0010	.0006	.0019	.0016	.0012	.002	.0010	.0004	.029	.0004
%RSD	3.588	24.85	.2060	48.31	15.96	.0270	5.359	.7087	.3351	12.37
#1	.0272	-.0028	.9153	.0045	.0083	7.695	-.0201	.0579	8.661	-.0031
#2	.0258	-.0020	.9180	.0022	.0066	7.698	-.0186	.0573	8.702	-.0037

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.3140	.0061	.2436	-.0147
Stddev	.0024	.0049	.0001	.0003
%RSD	.7796	79.72	.0346	2.343
#1	.3123	.0027	.2437	-.0150
#2	.3158	.0096	.2435	-.0145

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1033.2	63658.	18199.
Stddev	3.3	291.	237.
%RSD	.31914	.45662	1.3045
#1	1030.9	63863.	18031.
#2	1035.6	63452.	18367.

Zoom In Zoom Out

Sample Name: MC24999-3 Acquired: 10/6/2013 18:54:32 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	67.58	.0255	.0066	.0026	.3619	.0026	6.354	.0025	.0450
Stddev	.0003	.03	.0018	.0007	.0003	.0000	.0000	.020	.0001	.0001
%RSD	51.88	.0487	6.961	10.39	11.95	.0063	1.413	.3193	2.992	.2841
#1	-.0008	67.56	.0267	.0071	.0029	.3619	.0026	6.369	.0026	.0451
#2	-.0004	67.61	.0242	.0061	.0024	.3619	.0026	6.340	.0025	.0449

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1077	.1629	88.85	18.06	28.54	1.381	.0029	.4282	.1301	.0384
Stddev	.0004	.0001	.24	.02	.06	.004	.0006	.0013	.0006	.0003
%RSD	.4004	.0513	.2663	.1149	.2144	.2694	18.81	.3042	.4428	.7387
#1	.1074	.1629	89.02	18.08	28.58	1.378	.0033	.4273	.1297	.0386
#2	.1080	.1630	88.68	18.05	28.49	1.384	.0026	.4291	.1306	.0382

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0155	.0067	.1812	.0007	.0025	3.299	-.0026	.0591	3.521	-.0015
Stddev	.0006	.0015	.0005	.0003	.0006	.001	.0004	.0001	.000	.0008
%RSD	3.695	22.44	.2708	40.34	22.21	.0306	14.59	.1250	.0127	53.74
#1	.0159	.0078	.1816	.0008	.0021	3.298	-.0023	.0591	3.520	-.0009
#2	.0151	.0056	.1809	.0005	.0029	3.299	-.0028	.0592	3.521	-.0021

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1511	.0062	.8855	-.0100
Stddev	.0002	.0003	.0011	.0001
%RSD	.1449	4.297	.1236	1.121
#1	.1513	.0061	.8847	-.0101
#2	.1510	.0064	.8863	-.0099

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1019.5	61916.	17661.
Stddev	1.1	33.	94.
%RSD	.10972	.05388	.52964
#1	1018.8	61892.	17595.
#2	1020.3	61939.	17727.

Zoom In Zoom Out

Sample Name: MC24999-4 Acquired: 10/6/2013 18:59:24 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	60.72	.0300	.0058	.0030	.2695	.0039	8.333	.0027	.0424
Stddev	.0001	.02	.0000	.0001	.0002	.0001	.0000	.035	.0000	.0003
%RSD	13.69	.0301	.1286	1.225	7.398	.0408	.9623	.4157	.7140	.6461
#1	-.0005	60.70	.0299	.0058	.0028	.2696	.0039	8.309	.0027	.0426
#2	-.0004	60.73	.0300	.0059	.0031	.2694	.0038	8.358	.0027	.0422

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1110	.1709	76.82	11.73	22.49	1.368	.0028	.3970	.1206	.0653
Stddev	.0004	.0000	.29	.00	.09	.005	.0001	.0037	.0002	.0013
%RSD	.3910	.0074	.3794	.0254	.3797	.3833	2.915	.9350	.1906	1.983
#1	.1107	.1709	76.62	11.73	22.43	1.372	.0029	.3996	.1204	.0644
#2	.1113	.1709	77.03	11.73	22.55	1.364	.0028	.3944	.1207	.0662

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0128	.0106	.2729	.0013	.0013	3.462	-.0031	.0411	3.303	-.0046
Stddev	.0014	.0002	.0012	.0003	.0011	.007	.0007	.0001	.003	.0019
%RSD	10.71	1.488	.4367	27.42	80.23	.1904	23.26	.3267	.0748	41.92
#1	.0118	.0107	.2720	.0015	.0021	3.458	-.0036	.0410	3.304	-.0060
#2	.0138	.0105	.2737	.0010	.0006	3.467	-.0026	.0412	3.301	-.0033

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1222	.0088	.7661	-.0104
Stddev	.0003	.0032	.0009	.0006
%RSD	.2855	35.80	.1143	6.169
#1	.1220	.0111	.7655	-.0099
#2	.1225	.0066	.7667	-.0108

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1025.8	62749.	17829.
Stddev	1.1	141.	156.
%RSD	.10535	.22400	.87446
#1	1026.6	62650.	17939.
#2	1025.0	62849.	17719.

Zoom In Zoom Out

Sample Name: MC24999-5 Acquired: 10/6/2013 19:04:15 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0012	161.5	.0587	.0142	.0166	.5094	.0062	9.917	.0069	.0470
Stddev	.0001	.1	.0003	.0012	.0004	.0007	.0001	.029	.0001	.0006
%RSD	6.935	.0468	.4385	8.373	2.614	.1359	1.307	.2877	1.812	1.185
#1	.0012	161.5	.0589	.0134	.0169	.5098	.0063	9.897	.0068	.0474
#2	.0013	161.6	.0585	.0150	.0163	.5089	.0062	9.938	.0070	.0467

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2150	.3266	159.6	7.445	24.72	1.625	.0117	.4183	.5253	.2963
Stddev	.0000	.0006	.3	.031	.10	.004	.0000	.0008	.0006	.0014
%RSD	.0221	.1811	.2143	.4161	.4054	.2794	.2807	.1831	.1118	.4885
#1	.2151	.3262	159.4	7.467	24.79	1.628	.0117	.4189	.5257	.2973
#2	.2150	.3270	159.9	7.423	24.65	1.622	.0117	.4178	.5249	.2952

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0266	.0020	2.164	.0027	.0085	7.948	-.0073	.0967	7.587	-.0005
Stddev	.0015	.0003	.007	.0005	.0006	.012	.0001	.0001	.007	.0019
%RSD	5.527	15.53	.3228	20.11	7.511	.1529	1.223	.1505	.0876	383.6
#1	.0276	.0022	2.169	.0023	.0081	7.957	-.0072	.0968	7.592	.0009
#2	.0255	.0018	2.159	.0031	.0090	7.939	-.0073	.0966	7.582	-.0019

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.3104	.0076	1.167	-.0363
Stddev	.0004	.0055	.003	.0003
%RSD	.1246	71.78	.2894	.8460
#1	.3106	.0038	1.169	-.0361
#2	.3101	.0115	1.164	-.0365

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1048.3	64418.	18521.
Stddev	.8	245.	65.
%RSD	.07772	.38072	.34905
#1	1047.7	64244.	18566.
#2	1048.9	64591.	18475.

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/6/2013 19:09:04 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2465	9.794	1.938	-.0089	1.952	1.981	1.996	9.930	2.028	2.057
Stddev	.0002	.005	.007	.0012	.000	.005	.005	.018	.000	.001
%RSD	.0741	.0514	.3536	13.98	.0209	.2386	.2675	.1867	.0088	.0434
#1	.2466	9.790	1.933	-.0098	1.952	1.977	1.992	9.917	2.028	2.058
#2	.2464	9.797	1.943	-.0080	1.953	1.984	2.000	9.943	2.028	2.057

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.980	1.937	9.881	9.875	9.918	1.986	1.967	9.863	1.968	1.959
Stddev	.004	.001	.002	.006	.022	.004	.004	.019	.001	.000
%RSD	.1800	.0405	.0167	.0562	.2195	.2052	.1998	.1924	.0324	.0206
#1	1.978	1.936	9.880	9.871	9.903	1.983	1.964	9.850	1.968	1.959
#2	1.983	1.937	9.882	9.879	9.934	1.989	1.970	9.877	1.969	1.959

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0033	.0101	.0019	1.952	1.935	.0393	1.966	1.963	1.934	1.966
Stddev	.0009	.0009	.0009	.002	.002	.0011	.002	.005	.004	.004
%RSD	27.40	9.291	47.57	.0818	.1174	2.856	.1093	.2734	.1923	.1823
#1	.0040	.0108	.0012	1.953	1.936	.0401	1.964	1.959	1.932	1.963
#2	.0027	.0095	.0025	1.951	1.933	.0385	1.968	1.967	1.937	1.968

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.932	-.0056	1.955	-.0057
Stddev	.004	.0013	.005	.0000
%RSD	.2297	23.93	.2507	.8307
#1	1.929	-.0066	1.952	-.0058
#2	1.936	-.0047	1.959	-.0057

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	957.77	58104.	16512.
Stddev	1.29	13.	40.
%RSD	.13520	.02259	.24390
#1	956.85	58094.	16541.
#2	958.68	58113.	16484.

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/6/2013 19:13:47 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0034	.0001	-.0002	.0021	.0001	.0001	-.0029	.0000	.0004
Stddev	.0003	.0001	.0000	.0006	.0004	.0001	.0000	.0029	.000	.0002
%RSD	204.1	1.795	48.27	328.9	17.73	93.73	72.77	97.19	92.94	45.11
#1	-.0004	.0035	.0000	-.0006	.0024	.0000	.0001	-.0050	.0000	.0003
#2	.0001	.0034	.0001	.0002	.0018	.0002	.0000	-.0009	-.0001	.0005

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0000	.0048	.0256	.0124	.0002	.0022	.0001	-.0002	-.0006
Stddev	.0004	.0001	.0008	.0177	.0035	.0000	.0010	.0038	.0005	.0004
%RSD	152.7	523.1	16.51	69.08	28.12	5.704	45.15	4009.	272.8	65.78
#1	.0005	.0001	.0042	.0131	.0099	.0002	.0029	.0028	.0002	-.0003
#2	.0000	-.0001	.0053	.0381	.0148	.0002	.0015	-.0026	-.0005	-.0009

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0001	-.0003	.0016	.0007	-.0005	.0032	.0002	.0002	.0005	.0010
Stddev	.0010	.0009	.0011	.0001	.0013	.0001	.0001	.0000	.0004	.0015
%RSD	1050.	295.1	68.24	9.460	286.8	2.232	55.20	4.014	88.19	141.6
#1	.0008	.0003	.0008	.0008	-.0014	.0033	.0003	.0002	.0008	.0021
#2	-.0006	-.0010	.0023	.0007	.0005	.0032	.0001	.0002	.0002	.0000

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0004	-.0021	.0000	.0009
Stddev	.0009	.0004	.000	.0001
%RSD	230.1	19.17	1172.	10.57
#1	.0002	-.0018	.0001	.0009
#2	-.0010	-.0024	-.0002	.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	973.87	58135.	16516.
Stddev	3.69	135.	63.
%RSD	.37853	.23190	.38323
#1	976.48	58230.	16471.
#2	971.26	58039.	16561.

Zoom In Zoom Out

Sample Name: MP21767-B1 Acquired: 10/6/2013 19:18:46 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2018	2.162	.5256	-.0021	.0039	2.076	.5259	25.35	.5404	.5285
Stddev	.0009	.000	.0002	.0004	.0003	.007	.0002	.07	.0006	.0002
%RSD	.4459	.0052	.0339	19.82	7.073	.3203	.0433	.2647	.1098	.0290
#1	.2011	2.161	.5258	-.0024	.0037	2.072	.5261	25.40	.5408	.5284
#2	.2024	2.162	.5255	-.0018	.0041	2.081	.5257	25.30	.5400	.5286

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5442	.4998	2.070	25.71	25.88	.5190	.0010	25.75	.5052	1.019
Stddev	.0018	.0004	.007	.07	.01	.0007	.0001	.01	.0006	.002
%RSD	.3299	.0860	.3175	.2682	.0578	.1391	10.59	.0247	.1240	.2296
#1	.5429	.4995	2.075	25.66	25.89	.5195	.0011	25.76	.5047	1.018
#2	.5455	.5001	2.065	25.76	25.87	.5185	.0010	25.75	.5056	1.021

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0007	.0050	.0048	.5066	.4816	.0256	.0094	.5032	.5163	.5073
Stddev	.0020	.0057	.0007	.0000	.0024	.0018	.0006	.0013	.0015	.0010
%RSD	274.8	115.7	15.14	.0064	.4941	7.071	6.594	.2515	.2841	.2002
#1	.0021	.0009	.0053	.5066	.4833	.0269	.0099	.5023	.5173	.5066
#2	-.0007	.0090	.0043	.5066	.4800	.0243	.0090	.5041	.5152	.5081

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5331	-.0018	.5287	.0003
Stddev	.0017	.0019	.0005	.0000
%RSD	.3161	104.2	.0868	1.348
#1	.5343	-.0005	.5284	.0003
#2	.5319	-.0031	.5291	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	951.14	57799.	16490.
Stddev	.55	22.	86.
%RSD	.05767	.03871	.51998
#1	951.53	57783.	16429.
#2	950.75	57815.	16550.

Zoom In Zoom Out

Sample Name: MP21767-MB1 Acquired: 10/6/2013 19:23:38 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0001	.0133	-.0021	-.0008	.0023	.0010	.0001	.1478
Stddev	.0001	.0014	.0002	.0007	.0004	.0000	.0000	.0045
%RSD	47.48	10.39	11.92	93.68	17.23	.0886	15.73	3.070
#1	-.0001	.0123	-.0022	-.0013	.0026	.0010	.0001	.1446
#2	-.0002	.0142	-.0019	-.0003	.0020	.0010	.0001	.1511

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0001	-.0007	.0009	.0002	.0367	.0397	.0193	.0011
Stddev	.0001	.0002	.0003	.0002	.0008	.0187	.0010	.0000
%RSD	66.40	25.64	35.33	82.30	2.127	47.12	5.371	1.772
#1	.0001	-.0008	.0007	.0001	.0361	.0265	.0186	.0011
#2	.0002	-.0006	.0011	.0003	.0372	.0530	.0201	.0010

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0006	.0153	.0001	-.0009	.0011	.0005	.0059	.0026
Stddev	.0002	.0010	.0002	.0001	.0011	.0066	.0002	.0002
%RSD	35.55	6.596	146.0	9.086	101.1	1295.	2.579	6.789
#1	.0007	.0146	.0003	-.0009	.0018	-.0041	.0060	.0028
#2	.0004	.0160	.0000	-.0010	.0003	.0051	.0058	.0025

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0010	.0226	.0104	.0003	.0006	F-.0084	.0001	-.0025
Stddev	.0003	.0003	.0003	.0000	.0001	.0001	.0003	.0059
%RSD	25.97	1.166	3.068	4.239	10.22	1.699	558.2	237.8
#1	.0008	.0224	.0106	.0003	.0005	-.0083	-.0002	-.0067
#2	.0012	.0228	.0101	.0003	.0006	-.0085	.0003	.0017

Elem	Zn2062	Zr3391
Avg	.0060	.0003
Stddev	.0001	.0001
%RSD	2.004	17.28
#1	.0059	.0003
#2	.0061	.0003

Zoom In Zoom Out

Sample Name: MP21767-MB1 Acquired: 10/6/2013 19:23:38 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	961.38	57710.	16432.
Stddev	2.06	143.	44.
%RSD	.21444	.24715	.26997
#1	959.92	57810.	16464.
#2	962.84	57609.	16401.

Zoom In Zoom Out

Sample Name: MP21767-S1 Acquired: 10/6/2013 19:28:37 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.1994	77.06	.6514	.0251	.0923	9.993	.4955	248.9	.5581
Stddev	.0001	.02	.0008	.0012	.0002	.196	.0009	.8	.0017
%RSD	.0585	.0216	.1175	4.928	.2301	1.959	.1740	.3090	.3032
#1	.1994	77.07	.6519	.0260	.0925	9.854	.4961	248.3	.5569
#2	.1993	77.04	.6509	.0242	.0922	10.13	.4948	249.4	.5593

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.6164	1.088	1.934	F339.3	33.16	57.93	4.651	.1553	27.15
Stddev	.0010	.003	.007	2.2	.02	.02	.021	.0005	.04
%RSD	.1665	.2579	.3809	.6519	.0740	.0361	.4501	.3327	.1400
#1	.6157	1.090	1.928	337.7	33.17	57.92	4.636	.1550	27.18
#2	.6171	1.086	1.939	340.9	33.14	57.95	4.666	.1557	27.12

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	1.259	2.680	.0397	.0150	8.768	.2096	.4687	5.093	.1020
Stddev	.003	.002	.0022	.0010	.023	.0003	.0016	.005	.0031
%RSD	.2662	.0544	5.440	6.581	.2619	.1601	.3347	.0976	3.038
#1	1.257	2.679	.0381	.0157	8.752	.2098	.4698	5.089	.0998
#2	1.262	2.681	.0412	.0143	8.784	.2093	.4676	5.096	.1042

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.246	2.171	.4572	.6935	.0805	5.851	.0181
Stddev	.003	.001	.0046	.0028	.0002	.009	.0006
%RSD	.2555	.0471	1.002	.4016	.2926	.1536	3.112
#1	1.248	2.171	.4540	.6954	.0803	5.845	.0185
#2	1.244	2.172	.4605	.6915	.0807	5.857	.0177

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	946.39	59045.	17222.
Stddev	.69	14.	46.
%RSD	.07266	.02329	.26772
#1	946.87	59055.	17254.
#2	945.90	59035.	17189.

Zoom In Zoom Out

Sample Name: MP21767-S2 Acquired: 10/6/2013 19:33:47 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.1969	96.75	.8019	.0324	.1042	9.979	.4897	220.4	.5501
Stddev	.0002	.23	.0069	.0018	.0008	.037	.0007	.4	.0019
%RSD	.0914	.2409	.8633	5.581	.8147	.3753	.1529	.1994	.3421
#1	.1967	96.58	.7970	.0337	.1036	10.01	.4892	220.8	.5487
#2	.1970	96.91	.8068	.0312	.1048	9.952	.4902	220.1	.5514

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.6075	.9582	1.870	F410.8	32.70	55.73	4.478	.1459	27.50
Stddev	.0014	.0013	.000	.3	.09	.07	.001	.0007	.09
%RSD	.2281	.1330	.0237	.0844	.2771	.1206	.0176	.4792	.3111
#1	.6065	.9573	1.871	411.0	32.64	55.68	4.478	.1464	27.44
#2	.6085	.9591	1.870	410.5	32.77	55.77	4.477	.1454	27.56

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	1.240	2.548	.0466	.0160	11.93	.2195	.4580	5.292	.0982
Stddev	.003	.002	.0000	.0030	.04	.0013	.0009	.006	.0007
%RSD	.2632	.0928	.0049	18.90	.3406	.6073	.1955	.1142	.7145
#1	1.238	2.547	.0466	.0182	11.90	.2185	.4586	5.288	.0987
#2	1.243	2.550	.0466	.0139	11.96	.2204	.4573	5.296	.0977

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.461	2.069	.4539	.7007	.0910	5.577	.0228
Stddev	.005	.004	.0019	.0030	.0003	.014	.0004
%RSD	.3302	.1698	.4252	.4240	.3713	.2465	1.628
#1	1.458	2.066	.4552	.6986	.0907	5.567	.0225
#2	1.465	2.071	.4525	.7028	.0912	5.587	.0231

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	960.97	60034.	17624.
Stddev	2.98	139.	20.
%RSD	.31007	.23195	.11524
#1	963.08	59936.	17610.
#2	958.87	60133.	17638.

Zoom In Zoom Out

Sample Name: MC24726-2 Acquired: 10/6/2013 19:38:53 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0005	82.33	.1685	.0412	.0737	8.412	.0056	206.0	.0249
Stddev	.0004	.09	.0013	.0001	.0005	.040	.0000	1.3	.0000
%RSD	67.16	.1139	.7929	.3376	.6986	.4807	.4836	.6228	.0988
#1	.0003	82.27	.1695	.0411	.0733	8.441	.0056	205.1	.0249
#2	.0008	82.40	.1676	.0413	.0740	8.384	.0056	206.9	.0249

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.1162	.5583	1.623	F460.6	8.569	39.08	4.627	.1450	1.587
Stddev	.0004	.0027	.000	4.4	.012	.33	.018	.0001	.003
%RSD	.3669	.4836	.0116	.9545	.1396	.8410	.3930	.0374	.2150
#1	.1159	.5564	1.623	457.5	8.577	38.85	4.614	.1450	1.589
#2	.1165	.5602	1.623	463.7	8.560	39.32	4.640	.1449	1.584

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.8789	1.824	.0543	.0110	10.71	.0079	.0024	5.310	.1219
Stddev	.0004	.004	.0003	.0043	.02	.0029	.0002	.016	.0006
%RSD	.0494	.2008	.6402	39.26	.1779	36.75	8.355	.3025	.4711
#1	.8792	1.827	.0541	.0080	10.72	.0100	.0023	5.321	.1215
#2	.8786	1.821	.0546	.0141	10.70	.0059	.0026	5.298	.1223

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.8623	1.584	.0029	.2123	.0973	6.035	.0296
Stddev	.0010	.005	.0020	.0008	.0112	.013	.0002
%RSD	.1110	.3120	69.61	.3631	11.49	.2194	.5077
#1	.8616	1.580	.0043	.2128	.1052	6.045	.0295
#2	.8630	1.587	.0014	.2117	.0894	6.026	.0298

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	965.68	60110.	17347.
Stddev	.51	374.	71.
%RSD	.05295	.62297	.40996
#1	966.04	60375.	17397.
#2	965.32	59845.	17296.

Zoom In Zoom Out

Sample Name: MP21767-SD1 Acquired: 10/6/2013 19:44:04 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0007	85.78	.1713	.0506	.0815	9.068	.0061	224.8	.0222	.1160
Stddev	.0006	.36	.0055	.0005	.0014	.029	.0001	.5	.0012	.0002
%RSD	80.55	.4253	3.237	.9214	1.660	.3182	2.145	.2386	5.529	.1854
#1	.0003	86.04	.1752	.0510	.0825	9.088	.0062	225.2	.0230	.1161
#2	.0011	85.52	.1673	.0503	.0806	9.048	.0060	224.4	.0213	.1158

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6099	1.720	545.1	9.113	41.55	5.135	.1526	1.664	.9282	1.912
Stddev	.0026	.006	2.2	.094	.19	.010	.0001	.045	.0007	.010
%RSD	.4300	.3419	.4067	1.034	.4515	.1891	.0743	2.716	.0721	.5222
#1	.6117	1.724	546.6	9.047	41.42	5.128	.1527	1.632	.9287	1.919
#2	.6080	1.716	543.5	9.180	41.68	5.142	.1526	1.696	.9277	1.904

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0790	.0165	11.32	.0125	.0069	5.545	.1254	.9212	1.764	.0056
Stddev	.0031	.0161	.00	.0017	.0050	.013	.0075	.0022	.001	.0061
%RSD	3.942	98.06	.0133	13.73	72.41	.2251	5.997	.2386	.0482	109.7
#1	.0768	.0279	11.32	.0137	.0104	5.554	.1201	.9228	1.763	.0099
#2	.0812	.0050	11.32	.0113	.0033	5.537	.1307	.9197	1.764	.0012

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2274	.1089	6.604	.0336
Stddev	.0007	.0057	.011	.0006
%RSD	.2911	5.234	.1672	1.926
#1	.2269	.1049	6.596	.0331
#2	.2278	.1130	6.612	.0341

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	964.71	58453.	16726.
Stddev	1.61	152.	62.
%RSD	.16699	.25953	.37093
#1	963.57	58560.	16682.
#2	965.85	58346.	16769.

Zoom In Zoom Out

Sample Name: MP21767-B2 Acquired: 10/6/2013 19:48:56 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2078	2.205	.5369	-.0041	.0031	2.123	.5349	25.83	.5526	.5395
Stddev	.0005	.016	.0005	.0005	.0003	.004	.0009	.10	.0025	.0013
%RSD	.2352	.7165	.1001	13.23	10.06	.2062	.1602	.3822	.4518	.2430
#1	.2081	2.194	.5373	-.0037	.0029	2.120	.5355	25.90	.5543	.5404
#2	.2074	2.216	.5365	-.0045	.0033	2.126	.5343	25.76	.5508	.5385

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5471	.5106	2.131	26.24	26.29	.5280	.0004	26.35	.5144	1.037
Stddev	.0023	.0003	.001	.09	.16	.0005	.0000	.05	.0022	.004
%RSD	.4233	.0531	.0580	.3238	.6229	.0866	7.555	.2017	.4216	.3977
#1	.5454	.5108	2.130	26.18	26.41	.5284	.0004	26.31	.5160	1.040
#2	.5487	.5104	2.132	26.30	26.17	.5277	.0004	26.39	.5129	1.034

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0003	.0013	.0207	.5178	.4974	.0238	.0094	.5127	.5125	.5190
Stddev	.0001	.0020	.0013	.0005	.0020	.0017	.0006	.0010	.0018	.0035
%RSD	25.29	146.9	6.148	.1060	.3979	7.316	6.444	.1876	.3555	.6653
#1	.0003	.0027	.0198	.5182	.4988	.0250	.0090	.5120	.5112	.5215
#2	.0004	-.0001	.0216	.5174	.4960	.0226	.0098	.5134	.5138	.5166

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5372	.0012	.5431	-.0001
Stddev	.0010	.0039	.0015	.0000
%RSD	.1903	323.9	.2802	16.29
#1	.5379	-.0015	.5442	-.0001
#2	.5365	.0039	.5421	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	951.04	57558.	16578.
Stddev	4.26	83.	78.
%RSD	.44808	.14429	.47028
#1	948.02	57499.	16522.
#2	954.05	57616.	16633.

Zoom In Zoom Out

Sample Name: MP21767-LC1 Acquired: 10/6/2013 19:53:44 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.3567	85.56	.9899	.0045	1.026	1.737	.5619	63.81	.6837	1.103
Stddev	.0010	.19	.0023	.0017	.001	.002	.0008	.17	.0013	.001
%RSD	.2726	.2171	.2281	38.27	.0691	.1387	.1471	.2671	.1848	.0988
#1	.3574	85.69	.9915	.0057	1.026	1.739	.5625	63.93	.6846	1.103
#2	.3560	85.43	.9883	.0033	1.025	1.736	.5613	63.69	.6828	1.104

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.7440	.7985	117.8	38.88	31.32	2.954	.4251	6.783	.6046	.9556
Stddev	.0021	.0003	.2	.07	.16	.004	.0016	.011	.0012	.0024
%RSD	.2812	.0353	.2100	.1721	.5173	.1189	.3778	.1549	.2055	.2471
#1	.7425	.7983	118.0	38.93	31.44	2.957	.4239	6.776	.6055	.9539
#2	.7455	.7987	117.7	38.83	31.21	2.952	.4262	6.791	.6037	.9573

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0177	.0121	2.622	.6844	1.681	4.238	1.093	.7165	1.648	1.300
Stddev	.0002	.0026	.010	.0000	.003	.003	.002	.0009	.003	.003
%RSD	1.166	21.61	.3731	.0033	.1698	.0580	.2111	.1320	.1925	.2302
#1	.0176	.0140	2.629	.6844	1.683	4.237	1.095	.7172	1.650	1.302
#2	.0179	.0103	2.615	.6844	1.679	4.240	1.092	.7158	1.646	1.298

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5696	.0018	1.418	.0476
Stddev	.0032	.0022	.001	.0004
%RSD	.5561	118.7	.0522	.8008
#1	.5674	.0034	1.418	.0473
#2	.5718	.0003	1.417	.0478

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1028.1	63038.	18137.
Stddev	.9	91.	77.
%RSD	.08380	.14403	.42678
#1	1028.7	62974.	18082.
#2	1027.5	63102.	18192.

Zoom In Zoom Out

Sample Name: MC24849-11 Acquired: 10/6/2013 19:58:26 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0006	64.93	.1572	.0413	.0726	7.416	.0044	117.9	.0230
Stddev	.0001	.02	.0018	.0006	.0003	.013	.0000	.2	.0005
%RSD	15.55	.0263	1.160	1.337	.3854	.1808	.5808	.1468	2.335
#1	.0006	64.94	.1560	.0409	.0724	7.406	.0044	117.7	.0234
#2	.0005	64.91	.1585	.0417	.0728	7.425	.0044	118.0	.0226

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.1099	.9177	1.382	F484.0	7.363	29.36	4.467	.3022	1.614
Stddev	.0006	.0043	.003	1.0	.021	.16	.004	.0000	.011
%RSD	.5333	.4740	.1898	.1991	.2845	.5433	.0952	.0116	.6723
#1	.1095	.9146	1.384	484.7	7.378	29.47	4.464	.3022	1.622
#2	.1103	.9207	1.380	483.3	7.348	29.25	4.470	.3022	1.606

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	1.053	1.595	.0603	.0109	9.259	.0116	.0063	3.508	.1272
Stddev	.003	.005	.0012	.0049	.039	.0001	.0013	.009	.0004
%RSD	.2646	.3477	1.923	45.24	.4159	.5909	20.40	.2513	.3212
#1	1.055	1.599	.0612	.0074	9.286	.0115	.0054	3.514	.1269
#2	1.051	1.591	.0595	.0144	9.231	.0116	.0072	3.502	.1275

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.6137	1.224	-.0027	.1888	.1025	4.759	.0234
Stddev	.0002	.003	.0012	.0007	.0008	.011	.0002
%RSD	.0382	.2251	42.88	.3487	.8003	.2370	.9493
#1	.6139	1.222	-.0036	.1883	.1031	4.767	.0232
#2	.6136	1.226	-.0019	.1893	.1019	4.751	.0235

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	955.82	59168.	17223.
Stddev	8.37	46.	26.
%RSD	.87559	.07774	.15180
#1	949.90	59135.	17205.
#2	961.74	59200.	17242.

Zoom In Zoom Out

Sample Name: MC24778-1 Acquired: 10/6/2013 20:03:25 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0015	117.8	.0349	.0143	.1726	1.271	.0093	30.57	.0028
Stddev	.0002	.2	.0024	.0008	.0008	.003	.0000	.20	.0000
%RSD	16.36	.2081	6.949	5.870	.4924	.2488	.4737	.6560	.7133
#1	-.0016	118.0	.0367	.0137	.1732	1.273	.0094	30.72	.0028
#2	-.0013	117.7	.0332	.0149	.1720	1.269	.0093	30.43	.0028

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.1406	.2297	.4687	F272.2	18.32	57.35	6.373	.0035	2.476
Stddev	.0005	.0004	.0010	2.7	.03	.32	.038	.0001	.002
%RSD	.3868	.1670	.2039	1.002	.1566	.5641	.5988	3.563	.0798
#1	.1409	.2294	.4681	274.1	18.34	57.58	6.346	.0035	2.478
#2	.1402	.2300	.4694	270.2	18.30	57.12	6.400	.0036	2.475

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.2521	.1354	.0401	.0331	.3979	.0018	-.0005	1.657	-.0022
Stddev	.0000	.0004	.0010	.0008	.0009	.0003	.0000	.003	.0003
%RSD	.0169	.3058	2.427	2.380	.2208	16.28	.8476	.2022	14.20
#1	.2521	.1351	.0408	.0325	.3986	.0020	-.0005	1.659	-.0020
#2	.2522	.1357	.0394	.0336	.3973	.0015	-.0005	1.654	-.0024

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.2064	4.661	.0030	.3748	.0195	.6249	.0560
Stddev	.0003	.028	.0010	.0019	.0003	.0011	.0014
%RSD	.1594	.6018	33.74	.5077	1.783	.1819	2.512
#1	.2067	4.641	.0037	.3735	.0197	.6257	.0550
#2	.2062	4.681	.0023	.3762	.0192	.6241	.0570

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1074.4	66064.	19230.
Stddev	.6	333.	136.
%RSD	.05319	.50435	.70772
#1	1074.0	66300.	19134.
#2	1074.9	65829.	19327.

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/6/2013 20:08:24 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2460	9.670	1.939	-.0080	1.957	1.960	1.990	9.816	2.015	2.053
Stddev	.0001	.041	.006	.0010	.012	.011	.006	.008	.008	.006
%RSD	.0455	.4223	.3150	11.99	.6345	.5664	.3025	.0778	.3816	.3067
#1	.2460	9.641	1.935	-.0074	1.948	1.953	1.985	9.811	2.009	2.049
#2	.2461	9.699	1.944	-.0087	1.966	1.968	1.994	9.822	2.020	2.058

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.987	1.937	9.777	9.749	9.848	2.002	1.966	9.798	1.969	1.956
Stddev	.006	.001	.039	.050	.041	.005	.010	.050	.006	.008
%RSD	.2929	.0481	.3933	.5161	.4170	.2397	.4956	.5064	.2962	.4103
#1	1.991	1.936	9.750	9.714	9.877	2.006	1.959	9.763	1.965	1.950
#2	1.983	1.937	9.805	9.785	9.819	1.999	1.973	9.834	1.973	1.961

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0030	.0112	.0020	1.945	1.937	.0426	1.970	1.951	1.933	1.967
Stddev	.0001	.0018	.0011	.006	.010	.0016	.002	.010	.002	.007
%RSD	3.466	16.33	56.90	.3303	.5121	3.830	.1111	.5131	.0751	.3537
#1	.0029	.0125	.0027	1.940	1.930	.0437	1.969	1.944	1.934	1.962
#2	.0031	.0099	.0012	1.949	1.944	.0414	1.972	1.958	1.932	1.972

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.936	-.0061	1.946	.0009
Stddev	.000	.0030	.000	.0015
%RSD	.0185	49.68	.0150	168.7
#1	1.936	-.0040	1.946	.0020
#2	1.936	-.0082	1.946	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	961.86	58239.	16761.
Stddev	4.83	122.	31.
%RSD	.50246	.20894	.18784
#1	965.28	58153.	16738.
#2	958.45	58325.	16783.

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/6/2013 20:13:09 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0039	-.0011	-.0007	.0024	.0001	.0001	.0007	-.0001	.0000
Stddev	.0007	.0004	.0003	.0005	.0002	.0001	.0000	.0024	.0000	.000
%RSD	274.2	9.798	31.48	67.86	8.795	45.02	6.209	328.7	15.10	279.7
#1	.0002	.0042	-.0008	-.0010	.0022	.0001	.0001	.0024	-.0001	.0000
#2	-.0007	.0037	-.0013	-.0004	.0025	.0002	.0000	-.0009	-.0001	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	.0000	.0060	.0235	.0078	.0003	.0023	.0076	-.0001	-.0001
Stddev	.0003	.0001	.0005	.0053	.0184	.0000	.0005	.0007	.0000	.0005
%RSD	209.2	268.5	8.490	22.59	235.4	7.956	19.97	9.845	32.04	799.9
#1	.0001	.0000	.0057	.0197	.0208	.0002	.0027	.0081	-.0001	.0003
#2	-.0003	.0001	.0064	.0272	-.0052	.0003	.0020	.0070	-.0001	-.0004

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0001	.0010	.0023	.0004	-.0014	.0025	-.0007	.0002	.0010	.0007
Stddev	.0007	.0046	.0005	.0001	.0005	.0002	.0005	.0000	.0001	.0018
%RSD	1289.	464.0	19.66	15.05	34.49	8.680	77.72	17.24	7.519	240.2
#1	-.0004	-.0023	.0026	.0005	-.0017	.0026	-.0003	.0002	.0011	-.0005
#2	.0006	.0042	.0020	.0004	-.0010	.0023	-.0011	.0002	.0010	.0020

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0001	-.0002	.0002	.0009
Stddev	.0001	.0025	.0002	.0001
%RSD	153.3	1402.	94.01	8.764
#1	.0000	-.0020	.0004	.0008
#2	.0002	.0016	.0001	.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	982.88	57900.	16492.
Stddev	5.30	153.	101.
%RSD	.53973	.26418	.61185
#1	986.63	58009.	16563.
#2	979.12	57792.	16421.

Zoom In Zoom Out

Sample Name: MC24778-2 Acquired: 10/6/2013 20:18:08 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0017	76.16	.0303	.0016	.0707	1.057	.0058	13.33	.0011	.0824
Stddev	.0001	.15	.0007	.0008	.0002	.001	.0001	.08	.0002	.0001
%RSD	6.121	.2025	2.394	46.72	.3065	.0548	.9435	.6184	16.45	.0974
#1	-.0017	76.27	.0309	.0022	.0706	1.057	.0058	13.39	.0012	.0824
#2	-.0018	76.05	.0298	.0011	.0709	1.057	.0058	13.27	.0009	.0823

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1434	.3291	170.7	11.08	32.69	6.214	.0014	1.483	.1461	.0760
Stddev	.0019	.0000	.6	.11	.02	.002	.0001	.004	.0003	.0002
%RSD	1.301	.0060	.3501	.9615	.0616	.0324	9.836	.2473	.2369	.3135
#1	.1447	.3291	171.1	11.01	32.67	6.213	.0015	1.481	.1459	.0762
#2	.1421	.3291	170.3	11.16	32.70	6.216	.0013	1.486	.1464	.0759

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0271	.0318	.1435	.0013	.0015	5.341	-.0023	.0750	3.479	.0005
Stddev	.0006	.0023	.0015	.0000	.0006	.016	.0013	.0002	.002	.0000
%RSD	2.188	7.219	1.064	2.584	40.56	.2901	55.46	.2956	.0475	2.201
#1	.0275	.0334	.1424	.0013	.0020	5.352	-.0032	.0749	3.480	.0005
#2	.0267	.0302	.1446	.0013	.0011	5.330	-.0014	.0752	3.478	.0005

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2873	.0104	.3712	.0193
Stddev	.0030	.0003	.0005	.0005
%RSD	1.040	3.151	.1233	2.583
#1	.2894	.0102	.3715	.0190
#2	.2851	.0107	.3709	.0197

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1074.6	65622.	18868.
Stddev	1.7	21.	134.
%RSD	.15366	.03191	.71129
#1	1073.4	65637.	18773.
#2	1075.7	65607.	18963.

Zoom In Zoom Out

Sample Name: MC24778-3 Acquired: 10/6/2013 20:23:05 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0010	84.22	.0311	.0090	.1112	1.179	.0068	152.1	.0023	.1082
Stddev	.0002	.16	.0010	.0007	.0001	.002	.0000	.3	.0001	.0001
%RSD	22.97	.1914	3.187	7.498	.0599	.1671	.6887	.1838	3.736	.0500
#1	-.0012	84.33	.0304	.0085	.1112	1.181	.0069	151.9	.0024	.1082
#2	-.0009	84.10	.0318	.0094	.1111	1.178	.0068	152.3	.0022	.1082

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1709	.3767	204.7	16.64	72.74	5.680	.0014	5.229	.1885	.0936
Stddev	.0004	.0011	.2	.04	.16	.004	.0000	.006	.0005	.0007
%RSD	.2061	.2867	.0804	.2235	.2247	.0641	2.101	.1204	.2783	.7981
#1	.1711	.3774	204.8	16.67	72.63	5.682	.0014	5.234	.1888	.0941
#2	.1706	.3759	204.6	16.61	72.86	5.677	.0015	5.225	.1881	.0930

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0256	.0309	.2899	.0024	.0012	2.708	-.0017	.3925	3.681	.0002
Stddev	.0023	.0016	.0002	.0004	.0007	.001	.0006	.0001	.006	.0014
%RSD	8.869	5.235	.0525	17.80	59.98	.0319	33.92	.0335	.1724	586.7
#1	.0272	.0320	.2900	.0021	.0017	2.708	-.0013	.3926	3.685	-.0007
#2	.0240	.0297	.2898	.0027	.0007	2.709	-.0021	.3924	3.676	.0012

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.3195	.0162	.4740	.0520
Stddev	.0009	.0052	.0011	.0011
%RSD	.2735	32.23	.2402	2.031
#1	.3189	.0199	.4732	.0513
#2	.3201	.0125	.4748	.0528

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1032.6	63868.	18386.
Stddev	.2	162.	7.
%RSD	.02202	.25399	.04044
#1	1032.8	63753.	18381.
#2	1032.5	63983.	18391.

Zoom In Zoom Out

Sample Name: MC24778-4 Acquired: 10/6/2013 20:28:13 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0012	105.9	.0281	.0077	.1235	1.615	.0083	162.5	.0015	.1253
Stddev	.0001	.1	.0018	.0004	.0006	.004	.0000	.7	.0000	.0007
%RSD	8.849	.1317	6.369	5.412	.4769	.2396	.3545	.4069	.3177	.5966
#1	-.0011	106.0	.0294	.0080	.1231	1.618	.0083	162.0	.0015	.1258
#2	-.0013	105.8	.0269	.0074	.1239	1.612	.0083	163.0	.0015	.1247

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2129	.3628	219.3	18.13	86.84	6.244	.0018	4.708	.2470	.1020
Stddev	.0011	.0001	1.5	.01	.33	.012	.0002	.010	.0009	.0001
%RSD	.5065	.0210	.6764	.0430	.3848	.1892	11.79	.2128	.3466	.1075
#1	.2136	.3628	218.2	18.13	86.61	6.252	.0020	4.701	.2476	.1021
#2	.2121	.3629	220.3	18.12	87.08	6.235	.0017	4.715	.2464	.1019

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0286	.0328	.4602	.0003	.0000	4.312	-.0026	.4617	3.344	.0056
Stddev	.0006	.0061	.0012	.0012	.000	.013	.0007	.0002	.005	.0006
%RSD	1.974	18.48	.2663	442.7	922.5	.2956	24.94	.0507	.1364	10.92
#1	.0290	.0285	.4611	-.0006	.0002	4.321	-.0031	.4619	3.347	.0060
#2	.0282	.0371	.4594	.0011	-.0002	4.303	-.0022	.4616	3.340	.0051

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.3141	.0131	.5432	.0495
Stddev	.0009	.0006	.0008	.0009
%RSD	.2906	4.339	.1552	1.882
#1	.3134	.0127	.5438	.0489
#2	.3147	.0135	.5426	.0502

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1040.4	63961.	18241.
Stddev	2.2	114.	50.
%RSD	.21089	.17767	.27460
#1	1038.9	63880.	18276.
#2	1042.0	64041.	18205.

Zoom In Zoom Out

Sample Name: MC24778-5 Acquired: 10/6/2013 20:33:20 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0014	126.6	.0323	.0037	.1067	2.382	.0095	28.32	.0021
Stddev	.0003	.1	.0010	.0010	.0002	.006	.0000	.04	.0001
%RSD	24.39	.1101	3.240	27.33	.1545	.2716	.4667	.1467	3.645
#1	-.0017	126.7	.0330	.0044	.1066	2.386	.0094	28.29	.0022
#2	-.0012	126.5	.0315	.0030	.1068	2.377	.0095	28.35	.0021

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.1330	.2555	.2441	F246.6	17.65	71.24	9.022	.0030	1.317
Stddev	.0003	.0012	.0015	.1	.01	.22	.025	.0002	.009
%RSD	.2588	.4505	.6283	.0507	.0708	.3064	.2728	4.961	.6490
#1	.1332	.2563	.2452	246.5	17.66	71.09	9.040	.0031	1.323
#2	.1327	.2547	.2430	246.7	17.65	71.40	9.005	.0029	1.311

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.2626	.1237	.0376	.0470	.2626	.0017	.0010	5.878	-.0056
Stddev	.0001	.0008	.0003	.0076	.0008	.0010	.0006	.026	.0004
%RSD	.0246	.6256	.6945	16.24	.3109	60.05	65.49	.4347	6.398
#1	.2626	.1231	.0378	.0416	.2632	.0024	.0005	5.896	-.0059
#2	.2625	.1242	.0374	.0524	.2620	.0010	.0014	5.860	-.0054

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.1483	4.712	.0029	.4107	.0226	.5024	.0693
Stddev	.0005	.012	.0002	.0017	.0031	.0023	.0002
%RSD	.3464	.2445	6.040	.4168	13.68	.4486	.3271
#1	.1487	4.720	.0028	.4119	.0204	.5009	.0692
#2	.1480	4.704	.0030	.4095	.0248	.5040	.0695

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1081.5	66283.	18971.
Stddev	7.2	145.	41.
%RSD	.66672	.21923	.21609
#1	1076.4	66180.	19000.
#2	1086.6	66385.	18942.

Zoom In Zoom Out

Sample Name: MC24778-6 Acquired: 10/6/2013 20:38:21 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0018	150.7	.0450	.0200	.1138	2.288	.0123	31.61	.0028
Stddev	.0001	7.9	.0022	.0004	.0007	.118	.0007	1.65	.0006
%RSD	3.878	5.257	4.984	2.218	.6279	5.173	5.366	5.220	22.13
#1	-.0018	145.1	.0465	.0203	.1133	2.205	.0119	30.44	.0032
#2	-.0019	156.3	.0434	.0197	.1143	2.372	.0128	32.78	.0023

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.1420	.3172	.3158	F305.8	20.16	77.84	5.096	.0034	2.079
Stddev	.0002	.0020	.0009	11.3	.93	4.32	.010	.0000	.104
%RSD	.1559	.6439	.2823	3.680	4.633	5.554	.1881	.3162	4.996
#1	.1421	.3158	.3165	297.8	19.50	74.78	5.103	.0034	2.006
#2	.1418	.3186	.3152	313.7	20.82	80.90	5.089	.0034	2.152

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.2922	.1406	.0443	.0163	.2565	.0023	-.0005	1.914	-.0020
Stddev	.0003	.0002	.0026	.0048	.0002	.0017	.0022	.008	.0006
%RSD	.0887	.1132	5.843	29.36	.0633	73.14	424.5	.4071	28.67
#1	.2920	.1405	.0425	.0197	.2564	.0034	-.0021	1.920	-.0024
#2	.2924	.1407	.0461	.0129	.2567	.0011	.0010	1.909	-.0016

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.1566	4.331	.0026	.5340	.0241	.5999	.1082
Stddev	.0081	.009	.0005	.0028	.0027	.0003	.0006
%RSD	5.190	.2043	19.13	.5221	11.05	.0577	.5432
#1	.1508	4.325	.0023	.5321	.0260	.6001	.1078
#2	.1623	4.337	.0030	.5360	.0222	.5996	.1086

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1115.2	69067.	19558.
Stddev	.6	9.	803.
%RSD	.05096	.01300	4.1060
#1	1115.6	69074.	20126.
#2	1114.8	69061.	18990.

Zoom In Zoom Out

Sample Name: MC24778-7 Acquired: 10/6/2013 20:43:21 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0014	114.0	.0396	.0089	.1308	1.826	.0087	219.7	.0019
Stddev	.0000	.2	.0025	.0017	.0003	.007	.0000	.8	.0000
%RSD	2.737	.1632	6.214	18.52	.2555	.3869	.0218	.3813	2.359
#1	-.0014	114.1	.0413	.0101	.1310	1.831	.0087	219.1	.0019
#2	-.0014	113.9	.0378	.0078	.1305	1.821	.0087	220.3	.0020

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.1182	.2193	.2354	F231.3	17.63	94.22	6.265	.0018	2.373
Stddev	.0004	.0002	.0012	.4	.02	.19	.015	.0001	.001
%RSD	.3022	.0729	.5235	.1564	.1132	.2036	.2456	5.326	.0222
#1	.1185	.2194	.2363	231.1	17.65	94.08	6.254	.0019	2.373
#2	.1180	.2192	.2345	231.6	17.62	94.35	6.276	.0017	2.372

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.2346	.1082	.0259	.0293	.3562	.0020	-.0005	5.424	-.0071
Stddev	.0010	.0004	.0001	.0017	.0003	.0001	.0006	.003	.0000
%RSD	.4313	.3494	.3914	5.704	.0956	5.194	125.3	.0628	.5205
#1	.2353	.1084	.0260	.0305	.3559	.0019	-.0001	5.422	-.0070
#2	.2338	.1079	.0259	.0281	.3564	.0021	-.0009	5.427	-.0071

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.6441	4.962	.0022	.3992	.0205	.5043	.0727
Stddev	.0020	.006	.0005	.0018	.0030	.0024	.0001
%RSD	.3093	.1213	20.96	.4499	14.45	.4826	.1768
#1	.6455	4.966	.0018	.4005	.0184	.5061	.0728
#2	.6427	4.958	.0025	.3980	.0226	.5026	.0726

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1039.6	64572.	18649.
Stddev	3.4	62.	42.
%RSD	.32806	.09598	.22317
#1	1042.0	64616.	18679.
#2	1037.1	64528.	18620.

Zoom In Zoom Out

Sample Name: MC24778-8 Acquired: 10/6/2013 20:48:28 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0021	217.3	.0591	.0181	.2645	2.618	.0150	208.6	.0037
Stddev	.0002	.9	.0008	.0018	.0008	.010	.0000	.1	.0002
%RSD	10.88	.4259	1.340	10.16	.3133	.3872	.2257	.0261	4.361
#1	-.0020	218.0	.0585	.0168	.2640	2.625	.0150	208.7	.0038
#2	-.0023	216.7	.0596	.0194	.2651	2.611	.0150	208.6	.0036

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.1927	.3932	.3678	F356.9	42.20	142.4	8.180	.0029	5.825
Stddev	.0006	.0035	.0004	.3	.18	.5	.014	.0004	.024
%RSD	.3207	.8995	.1038	.0714	.4238	.3542	.1664	13.25	.4160
#1	.1932	.3907	.3675	357.1	42.33	142.7	8.189	.0031	5.842
#2	.1923	.3957	.3681	356.7	42.08	142.0	8.170	.0026	5.808

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.3851	.1921	.0416	.0316	.4332	.0009	-.0042	3.550	-.0045
Stddev	.0018	.0023	.0007	.0046	.0002	.0003	.0013	.001	.0007
%RSD	.4634	1.215	1.659	14.68	.0494	34.58	31.55	.0400	15.51
#1	.3838	.1905	.0421	.0349	.4333	.0011	-.0032	3.551	-.0040
#2	.3863	.1938	.0411	.0283	.4330	.0007	-.0051	3.549	-.0050

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.7248	5.612	.0061	.5690	.0264	.7387	.1255
Stddev	.0017	.003	.0010	.0052	.0030	.0000	.0023
%RSD	.2306	.0482	15.79	.9204	11.27	.0067	1.833
#1	.7260	5.610	.0054	.5653	.0285	.7387	.1238
#2	.7236	5.614	.0068	.5727	.0243	.7387	.1271

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1094.8	67620.	19527.
Stddev	2.2	111.	63.
%RSD	.20313	.16458	.32136
#1	1093.3	67542.	19482.
#2	1096.4	67699.	19571.

Zoom In Zoom Out

Sample Name: MC24778-9 Acquired: 10/6/2013 20:53:39 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	69.07	.0295	.0063	.0878	.8651	.0054	129.0	.0035	.0868
Stddev	.0004	.20	.0022	.0001	.0012	.0016	.0000	.5	.0000	.0010
%RSD	81.55	.2900	7.420	1.070	1.367	.1879	.5101	.3574	1.141	1.142
#1	-.0008	69.21	.0311	.0063	.0887	.8662	.0054	129.3	.0036	.0875
#2	-.0002	68.93	.0280	.0064	.0870	.8639	.0054	128.7	.0035	.0861

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1719	.3545	169.1	11.90	70.77	4.700	.0019	2.157	.1743	.1561
Stddev	.0010	.0040	.4	.19	.53	.014	.0002	.009	.0015	.0011
%RSD	.5924	1.120	.2573	1.557	.7506	.2984	8.612	.4076	.8602	.6893
#1	.1727	.3517	169.4	12.03	71.15	4.710	.0018	2.163	.1753	.1569
#2	.1712	.3573	168.8	11.76	70.39	4.690	.0020	2.151	.1732	.1553

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0222	.0222	1.014	.0008	.0007	3.023	.0018	.3773	2.870	.0019
Stddev	.0001	.0073	.009	.0011	.0005	.020	.0001	.0009	.006	.0007
%RSD	.3098	32.97	.9262	150.1	66.81	.6671	7.422	.2419	.2271	35.29
#1	.0221	.0170	1.021	.0000	.0010	3.037	.0017	.3779	2.875	.0014
#2	.0222	.0274	1.008	.0016	.0004	3.009	.0019	.3766	2.866	.0024

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2867	.0093	1.063	.0424
Stddev	.0019	.0002	.006	.0003
%RSD	.6700	1.929	.5330	.6182
#1	.2854	.0094	1.067	.0426
#2	.2881	.0091	1.059	.0422

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1018.3	62405.	17952.
Stddev	5.8	133.	46.
%RSD	.57381	.21339	.25889
#1	1014.2	62311.	17919.
#2	1022.4	62499.	17985.

Zoom In Zoom Out

Sample Name: MC24778-10 Acquired: 10/6/2013 20:58:34 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0008	84.54	.0398	.0042	.1001	.9775	.0059	44.07	.0020	.1001
Stddev	.0004	.07	.0012	.0015	.0000	.0011	.0000	.19	.0002	.0003
%RSD	45.47	.0857	3.137	34.41	.0373	.1089	.1928	.4333	10.75	.2597
#1	-.0006	84.49	.0389	.0032	.1001	.9768	.0059	43.93	.0018	.0999
#2	-.0011	84.60	.0407	.0053	.1002	.9783	.0059	44.20	.0021	.1003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1540	.3387	191.1	12.98	56.32	6.185	.0021	3.829	.1730	.0992
Stddev	.0000	.0012	.2	.01	.04	.009	.0001	.008	.0000	.0007
%RSD	.0026	.3413	.1036	.1099	.0706	.1505	6.637	.2136	.0025	.7043
#1	.1540	.3379	191.2	12.97	56.29	6.191	.0022	3.835	.1730	.0997
#2	.1540	.3395	190.9	12.99	56.34	6.178	.0020	3.823	.1730	.0987

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0283	.0352	2.138	.0007	.0002	2.024	-.0006	.1963	3.638	.0020
Stddev	.0006	.0031	.000	.0004	.0011	.004	.0001	.0003	.007	.0001
%RSD	2.253	8.817	.0097	66.13	564.3	.1907	14.95	.1575	.1955	7.071
#1	.0287	.0374	2.138	.0010	.0009	2.021	-.0005	.1961	3.633	.0019
#2	.0278	.0330	2.139	.0004	-.0006	2.027	-.0007	.1966	3.643	.0021

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.3598	.0119	.4526	.0498
Stddev	.0005	.0039	.0003	.0003
%RSD	.1472	33.05	.0626	.7009
#1	.3594	.0091	.4528	.0495
#2	.3601	.0147	.4524	.0500

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1043.9	63803.	18348.
Stddev	.4	111.	69.
%RSD	.04045	.17392	.37362
#1	1043.6	63882.	18397.
#2	1044.2	63725.	18300.

Zoom In Zoom Out

Sample Name: MC24778-11 Acquired: 10/6/2013 21:03:31 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0007	125.4	.0236	.0140	.1097	1.775	.0082	44.16	.0018
Stddev	.0002	.2	.0011	.0006	.0008	.003	.0000	.03	.0003
%RSD	30.76	.1511	4.750	3.984	.6876	.1478	.2596	.0749	16.17
#1	-.0009	125.5	.0244	.0144	.1102	1.777	.0083	44.18	.0021
#2	-.0006	125.2	.0228	.0136	.1092	1.773	.0082	44.13	.0016

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.1159	.2534	.2610	F225.5	17.42	67.88	4.931	.0008	2.990
Stddev	.0005	.0007	.0006	1.6	.01	.09	.016	.0002	.047
%RSD	.3900	.2672	.2120	.7115	.0765	.1312	.3212	20.57	1.561
#1	.1163	.2539	.2614	226.6	17.43	67.81	4.919	.0007	3.023
#2	.1156	.2529	.2606	224.4	17.41	67.94	4.942	.0010	2.957

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.2326	.1244	.0333	.0246	.3421	.0008	-.0005	4.465	-.0038
Stddev	.0016	.0007	.0005	.0037	.0015	.0008	.0013	.030	.0006
%RSD	.6934	.5602	1.460	15.01	.4432	100.5	263.3	.6678	15.25
#1	.2337	.1249	.0330	.0220	.3432	.0014	-.0014	4.486	-.0042
#2	.2314	.1239	.0337	.0273	.3411	.0002	.0004	4.444	-.0034

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.1922	4.081	.0035	.3607	.0105	.5224	.0526
Stddev	.0002	.001	.0003	.0020	.0051	.0028	.0005
%RSD	.1257	.0274	8.022	.5449	48.52	.5350	1.007
#1	.1924	4.082	.0033	.3621	.0069	.5243	.0522
#2	.1921	4.080	.0037	.3593	.0140	.5204	.0529

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1055.2	64592.	18581.
Stddev	4.9	102.	12.
%RSD	.46780	.15720	.06290
#1	1051.7	64664.	18573.
#2	1058.7	64520.	18589.

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/6/2013 21:08:30 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2470	9.759	1.940	-.0084	1.960	1.973	1.994	9.846	2.029	2.057
Stddev	.0006	.004	.001	.0015	.000	.002	.002	.014	.003	.001
%RSD	.2328	.0402	.0687	17.75	.0007	.1235	.0920	.1448	.1696	.0270
#1	.2474	9.762	1.939	-.0074	1.960	1.974	1.995	9.856	2.031	2.057
#2	.2465	9.756	1.941	-.0095	1.960	1.971	1.993	9.836	2.026	2.058

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.977	1.937	9.826	9.814	9.882	1.992	1.969	9.837	1.971	1.958
Stddev	.004	.002	.025	.007	.037	.005	.003	.000	.002	.000
%RSD	.2072	.1177	.2537	.0730	.3764	.2618	.1448	.0027	.0749	.0203
#1	1.974	1.939	9.843	9.820	9.856	1.989	1.967	9.837	1.972	1.958
#2	1.980	1.936	9.808	9.809	9.908	1.996	1.971	9.837	1.969	1.958

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0032	.0077	-.0005	1.953	1.939	.0399	1.969	1.960	1.927	1.965
Stddev	.0004	.0013	.0009	.001	.004	.0022	.003	.003	.001	.000
%RSD	12.51	16.54	195.1	.0568	.2014	5.538	.1509	.1672	.0622	.0027
#1	.0029	.0068	.0002	1.953	1.942	.0415	1.971	1.963	1.926	1.965
#2	.0034	.0085	-.0012	1.952	1.936	.0384	1.967	1.958	1.928	1.965

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.927	-.0088	1.948	.0160
Stddev	.007	.0029	.003	.0029
%RSD	.3457	32.53	.1607	17.97
#1	1.922	-.0108	1.946	.0180
#2	1.932	-.0068	1.950	.0139

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	956.43	57982.	16547.
Stddev	4.66	238.	45.
%RSD	.48767	.41089	.27146
#1	953.13	58151.	16515.
#2	959.72	57814.	16579.

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/6/2013 21:13:14 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	.0054	-.0016	-.0004	.0022	.0000	.0001	.0015	-.0002	.0001
Stddev	.0002	.0065	.0011	.0005	.0003	.0000	.0000	.0005	.0000	.0001
%RSD	1473.	122.1	65.84	135.1	15.33	8.129	50.67	35.58	14.42	167.1
#1	-.0001	.0007	-.0024	-.0008	.0025	.0000	.0001	.0011	-.0002	.0001
#2	.0002	.0100	-.0009	.0000	.0020	.0000	.0001	.0019	-.0002	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0000	.0056	.0322	.0227	.0002	.0021	-.0001	.0002	.0006
Stddev	.0000	.000	.0004	.0102	.0162	.0000	.0004	.0021	.0004	.0011
%RSD	20.82	347.7	7.209	31.73	71.29	19.78	19.96	2609.	191.2	176.7
#1	.0002	-.0001	.0059	.0394	.0342	.0003	.0024	.0014	.0005	.0015
#2	.0002	.0001	.0053	.0250	.0113	.0002	.0018	-.0015	-.0001	-.0002

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0015	.0051	-.0001	.0006	-.0013	.0010	-.0013	.0002	.0004	.0015
Stddev	.0002	.0036	.0015	.0000	.0004	.0002	.0002	.0000	.0003	.0008
%RSD	16.02	69.80	1043.	6.659	30.72	23.96	13.65	17.22	71.85	50.84
#1	.0017	.0026	-.0012	.0006	-.0016	.0011	-.0014	.0002	.0002	.0020
#2	.0014	.0076	.0009	.0006	-.0010	.0008	-.0012	.0002	.0007	.0010

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0001	-.0047	.0009	.0010
Stddev	.0003	.0015	.0003	.0001
%RSD	458.4	31.96	32.57	5.107
#1	-.0003	-.0036	.0012	.0010
#2	.0001	-.0057	.0007	.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	971.94	57887.	16427.
Stddev	.69	82.	9.
%RSD	.07065	.14223	.05730
#1	972.42	57945.	16434.
#2	971.45	57829.	16420.

Zoom In Zoom Out

Sample Name: MC24778-12 Acquired: 10/6/2013 21:18:12 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0009	89.24	.0350	.0077	.1027	1.156	.0065	101.8	.0018	.1077
Stddev	.0002	.04	.0015	.0002	.0006	.000	.0000	.2	.0000	.0001
%RSD	17.11	.0404	4.265	3.086	.5696	.0238	.7219	.1612	1.951	.1098
#1	-.0008	89.27	.0361	.0079	.1031	1.156	.0065	101.7	.0018	.1077
#2	-.0010	89.22	.0340	.0075	.1023	1.156	.0066	101.9	.0017	.1078

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1848	.3868	192.1	14.41	76.07	5.342	.0021	6.584	.2078	.1096
Stddev	.0018	.0023	1.1	.04	.06	.024	.0005	.023	.0004	.0003
%RSD	.9821	.5854	.5627	.2926	.0852	.4396	22.21	.3462	.1882	.2660
#1	.1860	.3852	192.9	14.44	76.02	5.359	.0024	6.600	.2080	.1094
#2	.1835	.3884	191.3	14.39	76.12	5.326	.0018	6.568	.2075	.1098

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0256	.0257	2.116	.0018	.0000	3.374	.0008	.3293	2.925	.0023
Stddev	.0001	.0027	.003	.0004	.001	.013	.0007	.0001	.004	.0009
%RSD	.5051	10.40	.1227	20.92	1665.	.3920	84.07	.0158	.1262	37.45
#1	.0257	.0276	2.118	.0016	.0005	3.383	.0013	.3293	2.928	.0017
#2	.0255	.0238	2.114	.0021	-.0006	3.365	.0003	.3292	2.922	.0029

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.3825	.0155	.5218	.0355
Stddev	.0068	.0028	.0001	.0006
%RSD	1.773	18.28	.0127	1.739
#1	.3873	.0175	.5217	.0360
#2	.3777	.0135	.5218	.0351

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1036.4	63665.	18261.
Stddev	2.1	286.	31.
%RSD	.20499	.44932	.17214
#1	1034.9	63463.	18239.
#2	1037.9	63867.	18284.

Zoom In Zoom Out

Sample Name: MC24778-13 Acquired: 10/6/2013 21:23:10 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0012	74.27	.0282	-.0003	.1150	.9046	.0057	161.7	.0021	.1203
Stddev	.0000	.03	.0025	.0028	.0006	.0014	.0001	.5	.0000	.0002
%RSD	3.722	.0363	8.806	1002.	.4920	.1581	.9447	.2786	2.042	.1566
#1	-.0012	74.25	.0265	.0017	.1154	.9057	.0057	162.0	.0022	.1204
#2	-.0012	74.29	.0300	-.0023	.1146	.9036	.0057	161.4	.0021	.1201

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1651	.3524	179.2	12.06	88.57	7.658	.0012	3.093	.1961	.0883
Stddev	.0023	.0011	.1	.02	.29	.012	.0001	.005	.0001	.0004
%RSD	1.378	.3066	.0766	.1260	.3257	.1564	12.00	.1760	.0479	.4058
#1	.1667	.3516	179.3	12.05	88.77	7.650	.0011	3.089	.1961	.0886
#2	.1635	.3531	179.1	12.07	88.36	7.666	.0013	3.097	.1962	.0880

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0208	.0403	.5766	.0011	.0002	3.466	-.0009	.5221	3.475	.0000
Stddev	.0013	.0023	.0005	.0001	.0009	.023	.0005	.0004	.005	.0025
%RSD	6.299	5.812	.0890	13.35	417.4	.6679	60.70	.0677	.1594	9426.
#1	.0217	.0420	.5762	.0010	-.0004	3.482	-.0005	.5223	3.471	-.0017
#2	.0199	.0387	.5770	.0012	.0009	3.450	-.0013	.5218	3.479	.0018

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.3494	.0137	.5221	.0383
Stddev	.0061	.0008	.0003	.0009
%RSD	1.748	5.930	.0561	2.426
#1	.3538	.0143	.5219	.0390
#2	.3451	.0131	.5223	.0376

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1037.6	63437.	18341.
Stddev	6.6	50.	2.
%RSD	.63222	.07821	.00922
#1	1033.0	63402.	18342.
#2	1042.3	63472.	18340.

Zoom In Zoom Out

Sample Name: MC24975-1 Acquired: 10/6/2013 21:28:09 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	56.06	.0457	.0046	.0041	.2940	.0025	23.51	.0017	.0547
Stddev	.0004	.09	.0019	.0002	.0001	.0008	.0001	.04	.0001	.0003
%RSD	59.49	.1538	4.080	3.364	1.625	.2848	2.803	.1529	7.451	.5270
#1	-.0004	56.00	.0470	.0045	.0041	.2934	.0024	23.48	.0018	.0549
#2	-.0009	56.12	.0444	.0047	.0042	.2946	.0025	23.53	.0016	.0545

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1906	.0878	93.35	7.729	35.34	1.995	.0065	.6246	.1189	.1738
Stddev	.0001	.0004	.17	.019	.11	.003	.0002	.0054	.0008	.0011
%RSD	.0634	.4852	.1842	.2413	.3228	.1680	2.842	.8627	.7065	.6131
#1	.1905	.0881	93.23	7.716	35.25	1.993	.0066	.6284	.1195	.1745
#2	.1907	.0875	93.47	7.742	35.42	1.998	.0064	.6208	.1183	.1730

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0151	.0061	2.903	.0012	.0000	2.368	.0016	.0640	2.783	-.0027
Stddev	.0008	.0009	.000	.0006	.001	.002	.0018	.0003	.000	.0005
%RSD	5.618	15.37	.0002	51.68	2425.	.0643	108.8	.4042	.0025	17.57
#1	.0145	.0055	2.903	.0016	-.0008	2.369	.0029	.0639	2.783	-.0030
#2	.0157	.0068	2.903	.0007	.0007	2.367	.0004	.0642	2.783	-.0024

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1994	.0045	.4002	.0114
Stddev	.0016	.0071	.0002	.0005
%RSD	.8269	156.3	.0560	4.787
#1	.2006	.0095	.4004	.0118
#2	.1982	-.0005	.4001	.0110

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	992.65	60608.	17413.
Stddev	.96	10.	45.
%RSD	.09685	.01577	.25889
#1	991.97	60601.	17444.
#2	993.33	60615.	17381.

Zoom In Zoom Out

Sample Name: MC24975-2 Acquired: 10/6/2013 21:32:58 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	93.55	.0335	.0075	.0261	.2070	.0034	15.82	.0009	.0437
Stddev	.0000	.43	.0001	.0001	.0005	.0013	.0001	.14	.0000	.0002
%RSD	67.72	.4628	.2471	1.460	1.908	.6048	3.063	.8991	4.195	.3696
#1	-.0001	93.25	.0334	.0076	.0258	.2061	.0034	15.72	.0009	.0436
#2	.0000	93.86	.0335	.0074	.0265	.2078	.0035	15.92	.0010	.0438

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1457	.1163	91.99	6.154	25.57	1.030	.0018	.8085	.1081	.2098
Stddev	.0012	.0008	.64	.012	.23	.001	.0001	.0046	.0003	.0019
%RSD	.8328	.6768	.7000	.1909	.9142	.0879	5.281	.5751	.3234	.9021
#1	.1466	.1169	91.53	6.162	25.41	1.031	.0018	.8052	.1083	.2084
#2	.1449	.1158	92.44	6.145	25.74	1.030	.0019	.8118	.1078	.2111

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0161	.0034	1.195	.0020	.0028	4.454	-.0018	.1496	4.083	-.0028
Stddev	.0003	.0019	.001	.0004	.0001	.005	.0004	.0004	.006	.0000
%RSD	2.138	54.51	.0551	22.11	4.458	.1182	23.24	.2392	.1454	.6569
#1	.0159	.0021	1.194	.0023	.0029	4.458	-.0021	.1494	4.087	-.0028
#2	.0164	.0047	1.195	.0017	.0027	4.451	-.0015	.1499	4.078	-.0028

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1579	.0040	.3473	-.0039
Stddev	.0009	.0018	.0001	.0005
%RSD	.5994	43.73	.0279	12.01
#1	.1586	.0052	.3473	-.0036
#2	.1572	.0028	.3472	-.0043

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	980.83	59745.	17373.
Stddev	.84	53.	158.
%RSD	.08594	.08809	.90688
#1	981.43	59707.	17484.
#2	980.24	59782.	17262.

Zoom In Zoom Out

Sample Name: MC24975-3 Acquired: 10/6/2013 21:37:48 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0016	113.9	.1661	.0149	.0545	2.219	.0051	27.48	.0176	.0812
Stddev	.0002	.2	.0000	.0016	.0003	.008	.0000	.09	.0001	.0007
%RSD	9.877	.1539	.0113	10.53	.4835	.3497	.0415	.3106	.6841	.8785
#1	.0017	114.0	.1661	.0160	.0543	2.225	.0051	27.54	.0177	.0807
#2	.0015	113.7	.1660	.0138	.0547	2.214	.0051	27.42	.0175	.0817

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2035	2.087	195.2	7.827	41.36	3.563	.0102	1.201	.1421	8.001
Stddev	.0039	.007	1.0	.035	.12	.006	.0002	.001	.0000	.002
%RSD	1.894	.3261	.5238	.4449	.2918	.1821	2.162	.0940	.0218	.0226
#1	.2062	2.092	195.9	7.852	41.45	3.567	.0100	1.202	.1420	8.000
#2	.2008	2.082	194.4	7.803	41.28	3.558	.0103	1.201	.1421	8.002

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0291	.0186	2.191	.0121	.0057	1.832	.1012	.1937	5.026	.0035
Stddev	.0011	.0009	.000	.0002	.0017	.003	.0006	.0003	.004	.0004
%RSD	3.633	5.001	.0123	1.596	28.86	.1449	.5652	.1655	.0690	12.75
#1	.0284	.0179	2.191	.0123	.0046	1.834	.1008	.1939	5.029	.0032
#2	.0299	.0192	2.192	.0120	.0069	1.830	.1016	.1934	5.024	.0038

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.3238	.0114	4.068	.0044
Stddev	.0074	.0038	.001	.0010
%RSD	2.291	33.27	.0163	22.17
#1	.3291	.0088	4.067	.0051
#2	.3186	.0141	4.068	.0038

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1021.4	62188.	17956.
Stddev	.1	264.	70.
%RSD	.01362	.42443	.38897
#1	1021.3	62001.	17906.
#2	1021.5	62374.	18005.

Zoom In Zoom Out

Sample Name: MC24975-4 Acquired: 10/6/2013 21:42:40 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0007	124.3	.0554	.0115	.0160	.8404	.0055	36.69	.0081	.0833
Stddev	.0001	.2	.0013	.0008	.0002	.0018	.0001	.05	.0003	.0007
%RSD	8.200	.1755	2.278	6.770	.9622	.2122	1.357	.1346	4.238	.8183
#1	.0007	124.5	.0545	.0120	.0161	.8417	.0056	36.73	.0084	.0838
#2	.0006	124.1	.0563	.0109	.0159	.8392	.0055	36.66	.0079	.0828

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1995	.5504	160.7	10.24	30.79	3.072	.0104	1.256	.1418	2.285
Stddev	.0015	.0011	.2	.03	.00	.003	.0000	.005	.0007	.005
%RSD	.7689	.1940	.1403	.3132	.0083	.1083	.3863	.4009	.4670	.2088
#1	.2006	.5512	160.9	10.26	30.80	3.070	.0104	1.260	.1423	2.289
#2	.1984	.5496	160.6	10.21	30.79	3.074	.0105	1.253	.1413	2.282

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0249	.0121	1.920	.0031	.0033	4.660	.0217	.2113	5.499	.0029
Stddev	.0002	.0010	.008	.0003	.0014	.004	.0002	.0004	.001	.0018
%RSD	.6894	8.536	.3956	10.62	41.55	.0802	.8378	.1916	.0095	60.94
#1	.0248	.0128	1.925	.0033	.0043	4.662	.0215	.2115	5.499	.0042
#2	.0250	.0114	1.914	.0029	.0023	4.657	.0218	.2110	5.498	.0017

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2911	.0078	1.515	-.0141
Stddev	.0019	.0015	.001	.0003
%RSD	.6409	18.56	.0491	2.309
#1	.2924	.0068	1.515	-.0139
#2	.2897	.0089	1.514	-.0144

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1026.2	62271.	18169.
Stddev	2.0	54.	51.
%RSD	.19529	.08657	.28162
#1	1024.7	62309.	18205.
#2	1027.6	62233.	18132.

Zoom In Zoom Out

Sample Name: MC24975-5 Acquired: 10/6/2013 21:47:28 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0010	100.5	.3362	.0581	.0508	2.431	.0058	40.38	.0441
Stddev	.0001	.0	.0003	.0049	.0004	.002	.0001	.05	.0004
%RSD	9.439	.0144	.0929	8.509	.8065	.0724	1.697	.1344	.8090
#1	.0011	100.5	.3365	.0546	.0511	2.429	.0058	40.42	.0443
#2	.0010	100.5	.3360	.0616	.0505	2.432	.0057	40.35	.0438

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.1229	.1697	.6311	F730.4	11.09	30.69	5.587	.0120	1.069
Stddev	.0012	.0028	.0005	.3	.00	.07	.001	.0000	.002
%RSD	.9789	1.637	.0714	.0408	.0232	.2148	.0247	.4045	.1443
#1	.1237	.1677	.6307	730.1	11.09	30.74	5.586	.0120	1.068
#2	.1220	.1716	.6314	730.6	11.10	30.65	5.587	.0119	1.070

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.1562	11.59	.0875	.0219	3.174	.0223	.0026	5.038	.1433
Stddev	.0001	.01	.0008	.0020	.017	.0003	.0003	.008	.0003
%RSD	.0700	.1206	.9295	9.264	.5255	1.425	13.44	.1663	.2359
#1	.1561	11.60	.0870	.0233	3.186	.0221	.0028	5.044	.1435
#2	.1563	11.58	.0881	.0204	3.162	.0226	.0024	5.032	.1430

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.2771	5.773	-.0046	.4100	.0899	4.705	-.0110
Stddev	.0001	.010	.0036	.0041	.0058	.011	.0007
%RSD	.0276	.1679	77.20	.9956	6.449	.2237	6.743
#1	.2771	5.766	-.0072	.4072	.0940	4.713	-.0115
#2	.2770	5.779	-.0021	.4129	.0858	4.698	-.0104

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	994.56	61865.	18141.
Stddev	1.89	104.	18.
%RSD	.18966	.16879	.10096
#1	993.22	61939.	18128.
#2	995.89	61792.	18154.

Zoom In Zoom Out

Sample Name: MP21755-PS1 Acquired: 10/6/2013 21:52:26 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	83.51	.0450	.0095	.0134	.4119	.0035	19.57	.0024	.0581
Stddev	.0001	.08	.0011	.0003	.0001	.0008	.0001	.03	.0001	.0002
%RSD	6828.	.0987	2.361	2.897	.8636	.2044	1.779	.1781	4.971	.4148
#1	-.0001	83.57	.0443	.0097	.0133	.4125	.0034	19.60	.0023	.0582
#2	.0001	83.45	.0458	.0093	.0135	.4113	.0035	19.55	.0024	.0579

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1213	.2200	135.0	6.719	28.75	2.471	.0061	1.353	.0927	1.125
Stddev	.0031	.0037	.2	.003	.04	.002	.0000	.001	.0003	.004
%RSD	2.550	1.692	.1392	.0397	.1312	.0851	.1532	.0406	.2719	.3961
#1	.1191	.2174	135.1	6.721	28.77	2.469	.0061	1.353	.0928	1.122
#2	.1235	.2226	134.8	6.717	28.72	2.472	.0061	1.352	.0925	1.128

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0214	.0085	1.258	.0210	.0034	5.613	.0242	.1283	3.767	-.0018
Stddev	.0010	.0043	.002	.0003	.0012	.009	.0006	.0002	.007	.0001
%RSD	4.885	50.41	.1484	1.537	36.61	.1674	2.584	.1561	.1938	7.924
#1	.0221	.0115	1.257	.0213	.0042	5.607	.0238	.1284	3.761	-.0017
#2	.0206	.0055	1.260	.0208	.0025	5.620	.0246	.1281	3.772	-.0019

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1974	.0087	2.353	-.0238
Stddev	.0037	.0030	.004	.0005
%RSD	1.867	34.89	.1627	1.915
#1	.1948	.0066	2.351	-.0241
#2	.2000	.0109	2.356	-.0235

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1005.0	60972.	17484.
Stddev	3.1	52.	5.
%RSD	.30673	.08528	.02687
#1	1007.2	60935.	17480.
#2	1002.8	61008.	17487.

Zoom In Zoom Out

Sample Name: MP21756-PS1 Acquired: 10/6/2013 21:57:15 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0011	53.48	.0113	.0066	.0417	.1396	.0026	8.940	.0020	.0362
Stddev	.0002	.05	.0011	.0011	.0006	.0003	.0001	.027	.0002	.0001
%RSD	21.39	.1024	9.543	17.22	1.505	.2010	3.658	.3047	8.415	.3118
#1	.0010	53.44	.0120	.0074	.0421	.1398	.0027	8.959	.0018	.0362
#2	.0013	53.52	.0105	.0058	.0412	.1394	.0025	8.920	.0021	.0363

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0957	.0726	73.93	6.679	17.81	1.308	.0037	5.158	.1485	.0318
Stddev	.0011	.0016	.13	.012	.13	.000	.0002	.004	.0011	.0010
%RSD	1.107	2.143	.1787	.1794	.7381	.0326	6.645	.0804	.7197	3.132
#1	.0965	.0737	74.02	6.687	17.90	1.308	.0039	5.161	.1492	.0311
#2	.0950	.0715	73.83	6.670	17.71	1.308	.0035	5.155	.1477	.0325

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0126	.0088	.1893	.0197	-.0004	3.804	-.0046	.0392	3.123	.0017
Stddev	.0004	.0023	.0009	.0002	.0012	.021	.0000	.0002	.000	.0001
%RSD	3.035	25.83	.4853	.9330	312.2	.5612	1.008	.5590	.0009	4.635
#1	.0123	.0105	.1900	.0198	.0005	3.819	-.0046	.0393	3.123	.0016
#2	.0129	.0072	.1887	.0196	-.0012	3.789	-.0046	.0390	3.123	.0017

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1195	.0015	.1647	-.0096
Stddev	.0012	.0011	.0001	.0005
%RSD	.9964	78.89	.0900	5.032
#1	.1203	.0006	.1648	-.0093
#2	.1186	.0023	.1646	-.0100

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1020.1	61444.	17526.
Stddev	7.1	5.	62.
%RSD	.69379	.00828	.35430
#1	1015.1	61441.	17482.
#2	1025.1	61448.	17570.

Zoom In Zoom Out

Sample Name: MC24957-23 Acquired: 10/6/2013 22:02:06 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.4708	63.96	.0154	.0037	.0927	.2903	.0027	20.10	.5022	.4530
Stddev	.0011	.14	.0001	.0003	.0002	.0006	.0000	.05	.0022	.0008
%RSD	.2407	.2257	.8432	8.888	.2684	.2172	1.502	.2491	.4383	.1865
#1	.4700	63.86	.0155	.0034	.0929	.2899	.0027	20.14	.5006	.4524
#2	.4716	64.06	.0153	.0039	.0926	.2908	.0026	20.07	.5037	.4536

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.373	2.488	77.31	4.465	14.04	1.760	.0483	2.787	2.514	.6295
Stddev	.011	.004	.01	.004	.02	.005	.0000	.006	.004	.0017
%RSD	.4648	.1617	.0182	.1009	.1576	.2884	.0712	.2226	.1391	.2688
#1	2.365	2.485	77.32	4.468	14.03	1.756	.0483	2.783	2.511	.6283
#2	2.380	2.490	77.30	4.461	14.06	1.763	.0483	2.792	2.516	.6307

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0128	-.0024	.9596	.0028	.0032	4.237	.1111	.0957	3.326	-.0036
Stddev	.0004	.0058	.0011	.0000	.0006	.001	.0006	.0003	.008	.0022
%RSD	3.070	244.2	.1156	.5441	17.50	.0131	.4991	.2639	.2459	59.15
#1	.0131	.0017	.9588	.0028	.0028	4.237	.1115	.0956	3.320	-.0021
#2	.0125	-.0065	.9604	.0028	.0035	4.238	.1107	.0959	3.332	-.0052

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1624	.0634	.5461	-.0153
Stddev	.0060	.0008	.0023	.0010
%RSD	3.703	1.323	.4124	6.514
#1	.1666	.0640	.5445	-.0146
#2	.1581	.0628	.5477	-.0160

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	997.96	60821.	17527.
Stddev	2.08	217.	33.
%RSD	.20870	.35648	.18681
#1	999.43	60974.	17504.
#2	996.49	60668.	17550.

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/6/2013 22:06:54 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2480	9.738	1.943	-.0078	1.966	1.968	1.993	9.853	2.036	2.059
Stddev	.0005	.032	.016	.0005	.016	.004	.006	.065	.017	.016
%RSD	.1928	.3324	.8444	6.891	.7991	.2244	.3234	.6612	.8473	.7648
#1	.2483	9.761	1.955	-.0081	1.977	1.971	1.998	9.899	2.048	2.070
#2	.2476	9.715	1.932	-.0074	1.955	1.965	1.989	9.807	2.023	2.048

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.985	1.945	9.748	9.783	9.956	2.008	1.968	9.864	1.983	1.956
Stddev	.003	.002	.048	.002	.065	.002	.011	.028	.015	.012
%RSD	.1438	.0893	.4894	.0164	.6551	.1168	.5575	.2796	.7507	.5966
#1	1.987	1.944	9.782	9.784	10.00	2.009	1.976	9.884	1.993	1.964
#2	1.983	1.946	9.715	9.782	9.909	2.006	1.960	9.845	1.972	1.948

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0040	.0030	-.0006	1.949	1.939	.0445	1.983	1.960	1.929	1.971
Stddev	.0004	.0032	.0005	.015	.015	.0012	.009	.005	.006	.008
%RSD	11.02	107.6	89.44	.7891	.7644	2.739	.4306	.2727	.3125	.3937
#1	.0037	.0007	-.0010	1.960	1.950	.0454	1.989	1.964	1.934	1.976
#2	.0043	.0052	-.0002	1.938	1.929	.0437	1.977	1.956	1.925	1.965

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.937	-.0060	1.955	-.0023
Stddev	.004	.0027	.007	.0011
%RSD	.2325	44.84	.3644	45.96
#1	1.940	-.0041	1.960	-.0016
#2	1.934	-.0079	1.950	-.0031

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	959.69	57715.	16495.
Stddev	9.59	103.	124.
%RSD	.99927	.17885	.74869
#1	952.91	57642.	16408.
#2	966.47	57788.	16582.

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/6/2013 22:11:38 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0000	-.0020	-.0002	.0026	.0001	.0001	-.0001	-.0001	-.0001
Stddev	.0002	.002	.0003	.0003	.0004	.0001	.0001	.0008	.0001	.0000
%RSD	132.4	7659.	14.56	172.7	17.26	109.8	123.0	602.8	46.74	30.64
#1	.0000	-.0014	-.0022	.0000	.0029	.0001	.0001	.0005	-.0002	-.0001
#2	-.0003	.0013	-.0018	-.0004	.0023	.0000	.0000	-.0007	-.0001	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	-.0003	.0018	.0311	.0315	.0001	.0021	.0072	.0000	-.0018
Stddev	.0001	.0003	.0002	.0034	.0190	.0000	.0004	.0009	.0000	.0007
%RSD	300.8	100.1	12.65	10.91	60.26	28.96	20.20	12.54	376.7	37.96
#1	.0001	-.0001	.0017	.0287	.0450	.0001	.0024	.0066	.0000	-.0023
#2	.0000	-.0005	.0020	.0335	.0181	.0002	.0018	.0079	.0000	-.0013

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0004	.0000	-.0007	.0005	-.0010	.0023	.0000	.0002	.0006	.0010
Stddev	.0008	.0007	.0013	.0006	.0011	.0003	.0003	.0000	.0002	.0005
%RSD	200.1	3791.	185.8	113.1	112.4	14.74	1287.	7.338	32.62	44.63
#1	-.0002	-.0005	-.0016	.0009	-.0002	.0026	-.0002	.0002	.0007	.0013
#2	.0010	.0005	.0002	.0001	-.0018	.0021	.0003	.0002	.0004	.0007

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0002	-.0047	.0000	.0010
Stddev	.0001	.0043	.000	.0002
%RSD	33.06	90.21	740.8	16.11
#1	.0002	-.0017	-.0001	.0011
#2	.0001	-.0077	.0001	.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	973.81	57421.	16427.
Stddev	1.72	45.	20.
%RSD	.17701	.07824	.12226
#1	972.60	57453.	16441.
#2	975.03	57389.	16413.

Sample Name: MC24899-10 Acquired: 10/6/2013 22:16:35 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	114.1	.0294	.0028	.0468	7.797	.0051	162.4	.0180	.0966
Stddev	.0016	.3	.0090	.0038	.0013	.017	.0002	.4	.0013	.0004
%RSD	433.8	.2580	30.59	136.2	2.780	.2154	4.366	.2167	7.067	.4468
#1	-.0015	114.3	.0357	.0055	.0477	7.808	.0050	162.7	.0171	.0963
#2	.0007	113.9	.0230	.0001	.0459	7.785	.0053	162.2	.0189	.0969

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1732	1.388	188.2	7.567	41.68	5.588	.0123	1.359	.2311	29.45
Stddev	.0002	.005	.3	.075	.13	.014	.0029	.035	.0001	.00
%RSD	.1131	.3622	.1769	.9854	.3085	.2491	23.37	2.569	.0314	.0122
#1	.1734	1.392	188.4	7.514	41.59	5.578	.0143	1.335	.2311	29.45
#2	.1731	1.385	187.9	7.619	41.78	5.598	.0102	1.384	.2310	29.45

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0273	.0420	6.706	.0080	-.0090	5.836	.0368	1.004	5.718	.0062
Stddev	.0061	.0394	.048	.0100	.0040	.019	.0047	.000	.027	.0018
%RSD	22.45	93.80	.7146	124.7	44.75	.3220	12.89	.0007	.4756	29.54
#1	.0316	.0141	6.740	.0010	-.0062	5.849	.0334	1.004	5.699	.0049
#2	.0230	.0698	6.673	.0151	-.0118	5.823	.0401	1.004	5.737	.0075

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2700	.0129	3.452	.0206
Stddev	.0075	.0444	.014	.0021
%RSD	2.769	343.8	.4098	10.20
#1	.2753	.0443	3.462	.0191
#2	.2647	-.0185	3.442	.0220

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	981.82	58409.	16758.
Stddev	2.76	49.	45.
%RSD	.28104	.08402	.27085
#1	983.77	58444.	16725.
#2	979.87	58375.	16790.

Sample Name: MC24899-14 Acquired: 10/6/2013 22:21:27 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0037	68.66	.0743	.0157	.0238	2.899	.0040	23.89	.0120	.0609
Stddev	.0007	.00	.0067	.0038	.0030	.007	.0004	.04	.0033	.0007
%RSD	19.52	.0021	9.023	24.01	12.73	.2431	8.886	.1623	27.73	1.105
#1	-.0042	68.65	.0790	.0184	.0259	2.904	.0042	23.86	.0143	.0613
#2	-.0031	68.66	.0696	.0131	.0216	2.894	.0037	23.91	.0096	.0604

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1759	3.850	200.9	5.852	21.99	1.579	.0098	.9928	.1700	47.06
Stddev	.0003	.023	.2	.067	.12	.010	.0019	.0515	.0027	.12
%RSD	.1458	.5950	.1088	1.145	.5251	.6050	19.25	5.188	1.614	.2557
#1	.1757	3.867	200.7	5.899	21.90	1.586	.0111	1.029	.1681	47.15
#2	.1761	3.834	201.0	5.804	22.07	1.573	.0085	.9564	.1720	46.98

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0351	-.0086	5.006	-.0033	-.0014	4.142	.1533	.2046	4.102	.0019
Stddev	.0039	.0192	.035	.0051	.0007	.001	.0086	.0010	.031	.0057
%RSD	11.19	224.2	.7055	152.7	47.46	.0280	5.593	.4677	.7453	307.5
#1	.0379	.0050	5.031	.0003	-.0019	4.141	.1594	.2053	4.124	-.0022
#2	.0323	-.0222	4.981	-.0069	-.0010	4.143	.1472	.2040	4.081	.0059

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2297	.0292	3.909	-.0024
Stddev	.0045	.0277	.001	.0014
%RSD	1.956	94.97	.0277	60.05
#1	.2329	.0096	3.910	-.0014
#2	.2265	.0487	3.908	-.0034

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	973.34	58177.	16515.
Stddev	6.32	1.	53.
%RSD	.64963	.00178	.32304
#1	968.87	58177.	16553.
#2	977.81	58178.	16478.

Sample Name: MC24957-22 Acquired: 10/6/2013 22:26:20 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.7487	85.74	.0405	.0022	.2008	1.347	.0047	271.5
Stddev	.0022	.12	.0020	.0006	.0014	.000	.0001	.4
%RSD	.2915	.1395	4.977	25.08	.6727	.0283	1.386	.1388
#1	.7472	85.65	.0419	.0018	.1999	1.348	.0047	271.2
#2	.7502	85.82	.0390	.0026	.2018	1.347	.0046	271.8

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	5.820	2.658	F62.61	7.587	126.1	8.126	16.65	5.420
Stddev	.012	.002	.16	.003	.1	.032	.04	.002
%RSD	.2059	.0580	.2577	.0444	.1179	.3881	.2454	.0362
#1	5.811	2.657	62.72	7.585	126.0	8.103	16.68	5.419
#2	5.828	2.659	62.49	7.589	126.2	8.148	16.62	5.422

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.4728	7.091	21.10	1.547	.0180	F-.1770	6.854	.0207
Stddev	.0011	.002	.01	.004	.0006	.0033	.026	.0021
%RSD	.2401	.0298	.0527	.2420	3.484	1.862	.3742	10.17
#1	.4720	7.093	21.09	1.544	.0176	-.1747	6.836	.0192
#2	.4736	7.090	21.11	1.549	.0185	-.1794	6.872	.0222

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0050	6.369	.4567	.7082	16.62	.0045	.8060	.4522
Stddev	.0011	.008	.0009	.0001	.02	.0018	.0067	.0091
%RSD	22.39	.1190	.1868	.0088	.1247	40.12	.8286	2.006
#1	.0042	6.364	.4573	.7082	16.64	.0058	.8108	.4586
#2	.0058	6.374	.4561	.7081	16.61	.0032	.8013	.4457

Elem	Zn2062	Zr3391
Avg	2.769	.0500
Stddev	.004	.0010
%RSD	.1446	1.992
#1	2.766	.0507
#2	2.772	.0493

Sample Name: MC24957-22 Acquired: 10/6/2013 22:26:20 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2X

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	960.11	58631.	16922.
Stddev	.50	33.	4.
%RSD	.05196	.05597	.02574
#1	960.46	58654.	16919.
#2	959.76	58608.	16925.

Zoom In Zoom Out

Sample Name: MC24957-22 Acquired: 10/6/2013 22:31:13 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.7841	89.03	.0524	-.0036	.2166	1.391	.0050	285.3	6.224	2.781
Stddev	.0092	.16	.0050	.0051	.0037	.000	.0001	.4	.014	.007
%RSD	1.174	.1755	9.614	140.4	1.719	.0120	2.457	.1516	.2306	.2648
#1	.7906	89.14	.0560	-.0072	.2193	1.391	.0049	285.0	6.235	2.775
#2	.7776	88.91	.0488	.0000	.2140	1.391	.0051	285.6	6.214	2.786

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	68.60	7.632	134.6	8.308	17.61	5.867	.4916	7.571	22.01	1.581
Stddev	.26	.004	.3	.098	.03	.014	.0009	.003	.03	.006
%RSD	.3746	.0592	.1976	1.183	.1622	.2453	.1814	.0355	.1307	.3522
#1	68.78	7.629	134.4	8.378	17.63	5.877	.4910	7.569	22.03	1.577
#2	68.42	7.636	134.8	8.239	17.59	5.857	.4923	7.572	21.99	1.585

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0204	-.2119	7.135	.0370	-.0081	6.674	.4632	.7584	17.47	-.0048
Stddev	.0006	.0011	.005	.0040	.0007	.003	.0036	.0057	.02	.0036
%RSD	2.752	.5359	.0729	10.91	8.325	.0455	.7819	.7544	.1210	74.22
#1	.0208	-.2111	7.139	.0399	-.0086	6.671	.4658	.7625	17.48	-.0023
#2	.0200	-.2127	7.131	.0342	-.0076	6.676	.4607	.7544	17.45	-.0073

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.8423	.4594	2.991	.0535
Stddev	.0003	.0848	.009	.0008
%RSD	.0312	18.45	.2953	1.449
#1	.8421	.3995	2.998	.0529
#2	.8425	.5194	2.985	.0540

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	972.71	58027.	16663.
Stddev	1.12	43.	43.
%RSD	.11462	.07349	.25963
#1	971.93	57997.	16633.
#2	973.50	58057.	16694.

Zoom In Zoom Out

Sample Name: MC24957-4 Acquired: 10/6/2013 22:36:02 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.5155	75.32	.0134	-.0003	.6161	.7626	.0032	95.46	2.986	1.475
Stddev	.0027	.05	.0092	.0024	.0017	.0002	.0004	.67	.006	.005
%RSD	.5168	.0672	68.65	723.6	.2809	.0211	13.90	.7005	.1895	.3142
#1	.5174	75.36	.0199	.0014	.6174	.7627	.0029	94.98	2.982	1.478
#2	.5137	75.29	.0069	-.0020	.6149	.7625	.0035	95.93	2.990	1.472

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	17.78	6.134	103.8	5.251	21.31	3.137	.1200	3.281	8.369	1.207
Stddev	.02	.006	.2	.033	.31	.007	.0022	.062	.004	.001
%RSD	.1222	.1059	.2287	.6238	1.449	.2119	1.851	1.900	.0528	.1027
#1	17.77	6.130	103.6	5.274	21.10	3.133	.1215	3.237	8.366	1.207
#2	17.80	6.139	103.9	5.228	21.53	3.142	.1184	3.325	8.372	1.206

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0223	-.0593	2.902	.0097	-.0068	4.108	.2869	.2675	6.722	.0116
Stddev	.0135	.0170	.012	.0100	.0037	.009	.0050	.0021	.012	.0017
%RSD	60.67	28.72	.4133	102.3	54.51	.2113	1.759	.8031	.1747	14.31
#1	.0127	-.0472	2.910	.0168	-.0094	4.114	.2905	.2660	6.730	.0128
#2	.0319	-.0713	2.894	.0027	-.0042	4.101	.2833	.2690	6.713	.0105

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.3600	.1678	2.311	.0016
Stddev	.0015	.0300	.010	.0036
%RSD	.4235	17.88	.4181	222.6
#1	.3611	.1890	2.318	-.0009
#2	.3589	.1466	2.304	.0041

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	974.41	58259.	16559.
Stddev	1.33	124.	89.
%RSD	.13614	.21248	.53482
#1	975.35	58347.	16622.
#2	973.47	58172.	16497.

Zoom In Zoom Out

Sample Name: RINSECONF Acquired: 10/6/2013 22:40:52 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	-.0034	-.0021	-.0009	.0006	.0000	.0000	-.0018	-.0002	.0001
Stddev	.0004	.0050	.0001	.0008	.0002	.000	.000	.0007	.0001	.0000
%RSD	174.6	143.7	6.457	97.60	34.68	74.33	30.23	37.14	29.12	41.24
#1	-.0005	.0001	-.0022	-.0014	.0005	.0000	.0000	-.0023	-.0001	.0001
#2	.0000	-.0069	-.0020	-.0003	.0008	-.0001	.0000	-.0013	-.0002	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	-.0004	.0037	.0143	.0213	.0001	.0001	.0038	.0000	.0000
Stddev	.0001	.0002	.0004	.0045	.0013	.0000	.0000	.0035	.0000	.0008
%RSD	92.27	42.88	10.28	31.54	5.923	25.63	39.70	90.56	147.6	3400.
#1	.0000	-.0005	.0035	.0111	.0222	.0001	.0001	.0014	.0000	-.0005
#2	-.0002	-.0003	.0040	.0175	.0205	.0001	.0001	.0063	.0001	.0006

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0002	.0016	-.0009	.0001	-.0008	-.0001	-.0009	.0001	.0004	-.0002
Stddev	.0003	.0014	.0008	.0004	.0012	.0006	.0019	.0000	.0003	.0006
%RSD	147.9	84.82	87.30	691.4	149.8	374.1	212.0	4.887	62.49	267.1
#1	.0004	.0026	-.0003	-.0003	.0000	-.0005	-.0022	.0001	.0006	.0002
#2	.0000	.0006	-.0015	.0004	-.0017	.0002	.0004	.0001	.0002	-.0006

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0006	.0013	-.0001	.0007
Stddev	.0001	.0001	.0000	.0002
%RSD	22.96	7.876	42.63	22.19
#1	-.0005	.0012	-.0001	.0006
#2	-.0007	.0013	.0000	.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	975.90	57405.	16491.
Stddev	3.19	147.	91.
%RSD	.32718	.25648	.54937
#1	973.64	57509.	16427.
#2	978.15	57301.	16555.

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/6/2013 22:45:50 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2479	9.698	1.924	-.0089	1.953	1.958	2.007	9.820	2.019	2.037
Stddev	.0004	.014	.013	.0006	.015	.000	.001	.003	.010	.014
%RSD	.1702	.1450	.6856	6.269	.7805	.0143	.0321	.0332	.5129	.6838
#1	.2476	9.708	1.915	-.0093	1.942	1.958	2.007	9.823	2.011	2.027
#2	.2482	9.688	1.934	-.0085	1.964	1.958	2.008	9.818	2.026	2.047

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.982	2.003	9.661	9.750	9.874	2.029	1.947	9.970	1.978	1.936
Stddev	.008	.004	.009	.012	.018	.002	.018	.018	.008	.009
%RSD	.4246	.1882	.0906	.1249	.1839	.0885	.9451	.1854	.4218	.4795
#1	1.976	2.000	9.655	9.758	9.861	2.028	1.934	9.957	1.972	1.929
#2	1.988	2.005	9.667	9.741	9.886	2.030	1.960	9.983	1.984	1.942

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0029	.0083	.0258	1.928	1.916	.0604	1.965	1.965	1.925	1.958
Stddev	.0002	.0012	.0052	.011	.004	.0123	.006	.001	.002	.010
%RSD	6.521	14.71	20.11	.5623	.2036	20.42	.3200	.0602	.0959	.4952
#1	.0031	.0092	.0221	1.920	1.914	.0517	1.961	1.966	1.924	1.951
#2	.0028	.0075	.0295	1.935	1.919	.0691	1.970	1.964	1.926	1.965

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.943	-.0039	1.935	-.0046
Stddev	.002	.0032	.002	.0003
%RSD	.0811	81.66	.0766	7.302
#1	1.942	-.0061	1.934	-.0044
#2	1.944	-.0016	1.936	-.0049

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	962.29	57262.	16482.
Stddev	3.84	9.	36.
%RSD	.39873	.01514	.21777
#1	965.00	57268.	16456.
#2	959.57	57255.	16507.

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/6/2013 22:50:34 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0018	-.0019	-.0005	.0022	.0001	.0001	-.0022	-.0001	-.0001
Stddev	.0001	.0016	.0002	.0015	.0005	.0000	.0000	.0007	.0001	.0001
%RSD	23.58	87.98	9.612	283.8	24.48	63.53	40.61	32.19	73.02	129.8
#1	-.0002	.0030	-.0018	-.0016	.0026	.0001	.0000	-.0027	-.0002	-.0002
#2	-.0002	.0007	-.0021	.0005	.0018	.0000	.0001	-.0017	-.0001	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0001	-.0003	.0006	.0311	.0214	.0001	.0021	-.0006	.0000	.0001
Stddev	.0004	.0000	.0001	.0207	.0037	.0001	.0007	.0026	.000	.0005
%RSD	420.8	13.62	12.00	66.32	17.51	66.09	31.89	462.2	1049.	697.4
#1	-.0002	-.0003	.0006	.0457	.0188	.0001	.0025	-.0024	.0002	-.0003
#2	.0004	-.0004	.0005	.0165	.0241	.0002	.0016	.0013	-.0002	.0004

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0006	.0020	-.0017	.0002	-.0018	.0015	-.0003	.0002	.0005	.0005
Stddev	.0006	.0000	.0024	.0000	.0002	.0007	.0016	.0001	.0000	.0003
%RSD	86.39	1.099	141.4	28.43	9.214	42.41	594.3	29.02	8.565	61.87
#1	.0003	.0020	-.0034	.0002	-.0017	.0020	-.0014	.0002	.0005	.0008
#2	.0010	.0020	.0000	.0001	-.0020	.0011	.0009	.0003	.0005	.0003

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0000	-.0007	.0003	.0005
Stddev	.000	.0044	.0002	.0001
%RSD	900.0	667.3	91.87	25.51
#1	.0001	.0025	.0001	.0006
#2	-.0001	-.0038	.0004	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	972.07	57383.	16273.
Stddev	.62	140.	54.
%RSD	.06401	.24409	.33438
#1	971.63	57284.	16312.
#2	972.51	57483.	16235.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 10/6/2013 22:55:32 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0050	.2039	.0093	-.0006	.1009	.0514	.0043	5.066	.0044	.0521
Stddev	.0003	.0015	.0007	.0001	.0007	.0004	.0000	.027	.0001	.0001
%RSD	6.165	.7245	8.096	8.942	.7213	.8042	1.083	.5347	2.604	.1394
#1	.0052	.2029	.0087	-.0006	.1003	.0511	.0043	5.047	.0044	.0521
#2	.0048	.2050	.0098	-.0007	.1014	.0517	.0043	5.085	.0043	.0522

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0102	.0251	.1031	5.018	4.993	.0166	.1006	5.083	.0400	.0093
Stddev	.0004	.0004	.0019	.027	.030	.0001	.0002	.001	.0003	.0011
%RSD	3.547	1.566	1.828	.5339	.5957	.6520	.2437	.0156	.8112	11.74
#1	.0104	.0254	.1018	4.999	4.972	.0166	.1007	5.083	.0402	.0101
#2	.0099	.0248	.1045	5.037	5.014	.0165	.1004	5.082	.0397	.0085

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0003	.0018	-.0004	.0114	.0087	.0072	.0988	.0104	.0517	.0094
Stddev	.0008	.0005	.0007	.0005	.0002	.0001	.0002	.0001	.0002	.0015
%RSD	276.7	30.31	153.7	4.826	2.144	2.075	.2163	1.426	.3242	15.91
#1	.0008	.0022	.0000	.0110	.0088	.0073	.0990	.0103	.0516	.0105
#2	-.0003	.0014	-.0009	.0117	.0085	.0071	.0987	.0105	.0518	.0084

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0100	-.0025	.0207	.0007
Stddev	.0005	.0059	.0000	.0001
%RSD	5.052	235.9	.0650	21.34
#1	.0096	.0017	.0207	.0008
#2	.0104	-.0067	.0207	.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	971.72	57453.	16462.
Stddev	.36	135.	27.
%RSD	.03671	.23508	.16510
#1	971.47	57548.	16443.
#2	971.98	57357.	16482.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 10/6/2013 23:00:28 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	524.0	.0019	.0258	.0046	-.0003	.0001	460.9	.0009	.0019
Stddev	.0002	2.5	.0001	.0008	.0001	.0001	.0000	3.6	.0001	.0001
%RSD	118.7	.4805	4.426	3.296	1.911	33.64	35.39	.7745	15.88	3.121
#1	.0000	522.3	.0019	.0252	.0046	-.0003	.0001	458.4	.0010	.0020
#2	-.0004	525.8	.0020	.0264	.0047	-.0004	.0001	463.4	.0008	.0019

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0010	-.0001	176.1	.0549	523.7	.0014	-.0010	.1333	-.0022	.0029
Stddev	.0000	.0001	.3	.0007	1.1	.0001	.0004	.0048	.0004	.0008
%RSD	1.135	82.62	.1811	1.321	.2170	5.352	34.70	3.629	19.85	26.44
#1	-.0010	.0000	175.9	.0544	522.9	.0015	-.0008	.1367	-.0025	.0024
#2	-.0010	-.0001	176.3	.0554	524.5	.0014	-.0013	.1298	-.0019	.0035

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0050	-.0257	.0041	.0002	-.0028	.0462	-.0002	.0010	.0073	-.0022
Stddev	.0004	.0012	.0003	.0016	.0008	.0004	.0002	.0001	.0001	.0009
%RSD	8.061	4.801	7.829	962.1	28.77	.8894	84.18	6.881	1.881	40.32
#1	.0047	-.0248	.0043	.0013	-.0023	.0465	-.0001	.0010	.0074	-.0028
#2	.0052	-.0265	.0039	-.0010	-.0034	.0459	-.0004	.0009	.0072	-.0015

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0002	-.0206	-.0001	.0066
Stddev	.0002	.0054	.0007	.0005
%RSD	89.76	26.01	482.3	8.171
#1	.0001	-.0244	-.0006	.0070
#2	.0004	-.0169	.0003	.0062

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	870.14	53046.	15977.
Stddev	1.69	49.	58.
%RSD	.19377	.09228	.36105
#1	868.95	53080.	16018.
#2	871.33	53011.	15936.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 10/6/2013 23:05:31 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.059	518.4	2.164	.5134	1.071	.5027	.4710	456.5	1.108	.5209
Stddev	.002	.1	.003	.0008	.000	.0007	.0004	1.4	.000	.0012
%RSD	.1382	.0217	.1297	.1561	.0264	.1484	.0945	.3019	.0231	.2394
#1	1.058	518.3	2.166	.5140	1.071	.5021	.4713	457.5	1.108	.5217
#2	1.060	518.5	2.162	.5128	1.071	.5032	.4707	455.5	1.108	.5200

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4827	.5322	176.0	.0770	524.2	.4939	1.016	.1354	.9726	1.008
Stddev	.0007	.0030	.4	.0010	1.0	.0001	.000	.0004	.0020	.003
%RSD	.1553	.5558	.2001	1.315	.1836	.0153	.0131	.2782	.2013	.3123
#1	.4822	.5343	176.3	.0763	524.8	.4939	1.016	.1357	.9740	1.006
#2	.4832	.5301	175.8	.0777	523.5	.4940	1.016	.1352	.9712	1.010

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.5459	.4721	.5223	2.082	1.995	2.169	1.076	.9742	.5016	2.098
Stddev	.0015	.0080	.0014	.003	.006	.002	.001	.0011	.0014	.001
%RSD	.2812	1.701	.2727	.1278	.3174	.0683	.0477	.1099	.2882	.0367
#1	.5470	.4665	.5213	2.084	1.999	2.170	1.076	.9750	.5026	2.097
#2	.5448	.4778	.5233	2.080	1.990	2.168	1.077	.9735	.5006	2.098

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.4977	1.756	.9481	.4105
Stddev	.0027	.006	.0002	.0033
%RSD	.5420	.3205	.0240	.7958
#1	.4996	1.760	.9479	.4082
#2	.4958	1.752	.9482	.4128

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	858.81	52785.	16072.
Stddev	1.27	43.	59.
%RSD	.14756	.08101	.36868
#1	857.92	52815.	16030.
#2	859.71	52755.	16114.

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/6/2013 23:10:23 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2496	9.754	1.917	-.0078	1.949	1.970	2.029	9.935	2.010	2.034
Stddev	.0004	.013	.025	.0000	.024	.002	.004	.035	.027	.023
%RSD	.1545	.1362	1.276	.2348	1.211	.1102	.2166	.3507	1.338	1.142
#1	.2493	9.745	1.899	-.0078	1.932	1.968	2.026	9.910	1.991	2.018
#2	.2498	9.764	1.934	-.0078	1.966	1.971	2.032	9.959	2.029	2.050

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.996	1.973	9.764	9.773	9.998	2.047	1.945	10.02	1.970	1.929
Stddev	.001	.002	.001	.011	.117	.005	.025	.00	.025	.024
%RSD	.0581	.0977	.0090	.1120	1.169	.2680	1.296	.0018	1.254	1.262
#1	1.997	1.974	9.764	9.766	9.916	2.043	1.927	10.02	1.952	1.911
#2	1.996	1.972	9.765	9.781	10.08	2.050	1.963	10.02	1.987	1.946

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0043	.0059	-.0013	1.919	1.912	.0337	1.964	1.981	1.941	1.958
Stddev	.0000	.0025	.0017	.025	.023	.0013	.024	.000	.000	.021
%RSD	.9229	43.12	124.9	1.275	1.226	3.951	1.197	.0227	.0163	1.080
#1	.0043	.0041	-.0025	1.902	1.895	.0327	1.947	1.981	1.941	1.943
#2	.0043	.0077	-.0002	1.937	1.928	.0346	1.981	1.981	1.941	1.973

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.960	.0059	1.926	.0127
Stddev	.001	.0028	.021	.0035
%RSD	.0313	47.91	1.101	27.35
#1	1.960	.0039	1.911	.0152
#2	1.961	.0079	1.941	.0103

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	966.82	57380.	16498.
Stddev	10.21	114.	108.
%RSD	1.0557	.19806	.65661
#1	974.03	57460.	16574.
#2	959.60	57300.	16421.

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/6/2013 23:15:07 Type: Unk
Method: Accutest -SS2 with S(v71) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	.0019	-.0006	.0004	.0028	.0001	.0000	.0010	-.0003	.0003
Stddev	.0002	.0029	.0001	.0004	.0002	.0000	.0000	.0007	.0001	.0003
%RSD	48.93	153.5	21.60	104.3	7.910	32.74	66.44	68.61	28.61	133.3
#1	-.0002	-.0002	-.0007	.0001	.0029	.0001	.0000	.0015	-.0003	.0005
#2	-.0005	.0039	-.0005	.0006	.0026	.0001	.0000	.0005	-.0002	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	-.0005	.0012	.0376	.0162	.0002	.0027	.0043	-.0001	.0001
Stddev	.0004	.0003	.0043	.0146	.0105	.0000	.0003	.0019	.0000	.0006
%RSD	299.5	58.13	358.1	38.87	64.88	22.59	12.86	43.14	33.79	385.6
#1	-.0005	-.0007	.0042	.0272	.0236	.0001	.0030	.0056	-.0001	.0005
#2	.0002	-.0003	-.0018	.0479	.0087	.0002	.0025	.0030	.0000	-.0003

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0007	.0011	-.0018	.0002	-.0018	-.0015	.0000	.0001	.0005	.0014
Stddev	.0000	.0025	.0008	.0011	.0003	.0013	.0002	.0000	.0004	.0001
%RSD	5.999	236.1	43.66	637.2	14.81	86.10	569.4	11.96	79.96	9.729
#1	.0007	-.0007	-.0023	.0010	-.0017	-.0006	-.0001	.0001	.0002	.0013
#2	.0007	.0029	-.0012	-.0006	-.0020	-.0025	.0002	.0001	.0007	.0015

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0002	.0023	.0003	.0019
Stddev	.0005	.0020	.0000	.0000
%RSD	221.1	86.68	12.98	1.167
#1	.0001	.0037	.0003	.0019
#2	-.0006	.0009	.0003	.0020

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	985.74	56918.	16366.
Stddev	4.63	24.	32.
%RSD	.46946	.04217	.19503
#1	989.01	56901.	16344.
#2	982.47	56935.	16389.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	-0.000023	0.000000	No
			Co	0.000007	0.000000	No
			Mn	0.000105	0.000000	No
			Mo	0.000031	0.000000	No
			Cu	0.000004	0.000000	No
			Ti	-0.000089	0.000000	No
			Al	-0.000000	0.000000	No
			Zr	0.005523	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.000016	0.000000	No
			Mo	0.040987	0.000000	No
			Ca	0.000078	0.000000	No
As 189.042 {479}	☒	9	V	-0.000071	0.000000	No
			Al	0.000005	0.000000	No
			Mo	0.000020	0.000000	No
			Fe	-0.000001	0.000000	No
			Mn	-0.000157	0.000000	No
			Ca	-0.000000	0.000000	No
			Mg	0.000002	0.000000	No
			Cr	0.000218	0.000000	No
			Na	-0.000002	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000056	0.000000	No
			Mn	0.011376	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.011045	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000004	0.000000	No
Be 313.042 {108}	☒	3	V	0.000042	0.000000	No
			Mo	-0.000013	0.000000	No
			Ti	-0.000249	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	4	Ni	-0.000027	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000034	0.000000	No
			Ca	0.000004	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000032	0.000000	No
			Mo	-0.000064	0.000000	No
			Ti	0.002147	0.000000	No
			Ca	0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000004	0.000000	No
			Mn	0.000148	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000036	0.000000	No
			V	-0.000166	0.000000	No
			Mo	0.000370	0.000000	No
			Co	-0.000699	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000600	0.000000	No
			Co	-0.000015	0.000000	No
			Cr	0.000162	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000003	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000578	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No
			Al	0.000407	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Ni 231.604 {446}	☒	3	Mo	-0.000193	0.000000	No
				Fe	0.000010	0.000000	No
				Ca	0.000002	0.000000	No
	Pb 220.353 {453}	☒	10	Al	-0.000067	0.000000	No
				Mn	-0.000015	0.000000	No
				Mo	-0.001439	0.000000	No
				Co	-0.000153	0.000000	No
				Cu	0.000081	0.000000	No
				Ca	0.000000	0.000000	No
				Fe	0.000057	0.000000	No
				Mg	0.000000	0.000000	No
				Ni	-0.000095	0.000000	No
				Si	-0.000013	0.000000	No
	Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
				Co	-0.000515	0.000000	No
				Cu	0.000121	0.000000	No
				Fe	-0.000342	0.000000	No
	Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
				Fe	-0.000027	0.000000	No
				Cr	0.006177	0.000000	No
				Ni	0.000902	0.000000	No
				Mn	-0.008486	0.000000	No
				V	-0.000835	0.000000	No
				Co	-0.000324	0.000000	No
				Cu	-0.000222	0.000000	No
	S 182.034 {485}	☒	None				
	Sb 206.833 {463}	☒	11	Al	-0.000002	0.000000	No
				Fe	0.000023	0.000000	No
				Cr	0.002490	0.000000	No
				Mo	-0.000657	0.000000	No
				Mg	-0.000000	0.000000	No
				Ni	-0.000254	0.000000	No
				V	-0.001035	0.000000	No
				Ca	0.000006	0.000000	No
				Ti	-0.000098	0.000000	No
				Cu	0.000005	0.000000	No
				Sn	-0.009353	0.000000	No
	Se 196.090 {472}	☒	7	Al	-0.000002	0.000000	No
				Fe	-0.000145	0.000000	No
				Mn	0.000051	0.000000	No
				Mo	-0.000107	0.000000	No
				Ca	-0.000003	0.000000	No
				Na	-0.000001	0.000000	No
				Co	-0.000224	0.000000	No
	Si 212.412 {459}	☒	3	V	0.030413	0.000000	No
				Ti	0.006483	0.000000	No
				Mo	0.008882	0.000000	No
	Sn 189.989 {478}	☒	None				
	Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
	Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
				Mo	0.000546	0.000000	No
	Tl 190.856 {477}	☒	10	Mn	0.000754	0.000000	No
				Cr	0.000157	0.000000	No
				V	-0.029935	0.000000	No
				Co	0.002428	0.000000	No
				Al	-0.000012	0.000000	No
				Fe	-0.000000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ti	-0.001612	0.000000	No
			Mo	-0.000101	0.000000	No
			Ca	-0.000004	0.000000	No
			Na	-0.000002	0.000000	No
V 292.402 {115}	☒	3	Ti	0.000358	0.000000	No
			Mo	-0.002921	0.000000	No
			Fe	0.000019	0.000000	No
W 239.709 {141}	☒	5	Fe	-0.000141	0.000000	No
			Mo	0.001630	0.000000	No
			Co	0.007596	0.000000	No
			Al	0.000073	0.000000	No
			Mn	-0.000017	0.000000	No
Y 224.306 {451}*	☒	None				
Y 360.073 { 94}*	☒	None				
Y 371.030 { 91}*	☒	None				
Zn 206.200 {464}	☒	9	Fe	0.000005	0.000000	No
			Mn	0.000018	0.000000	No
			Ni	0.000039	0.000000	No
			Cr	-0.000497	0.000000	No
			Mo	0.000671	0.000000	No
			Co	0.000024	0.000000	No
			Ti	0.000277	0.000000	No
			Al	0.000003	0.000000	No
			Na	0.000004	0.000000	No
Zr 339.198 { 99}	☒	5	Si	0.005567	0.000000	No
			Ti	0.000761	0.000000	No
			Fe	0.000014	0.000000	No
			Sn	0.002851	0.000000	No
			V	0.002032	0.000000	No

HG SO: SW846 7471B

AQ ○ SO ◉ **Analysis: Hg**

Protected Worksheet
Format edits must be done by Dept. Manager

MP#	MP21765	Date	10/5/13	Balance ID	ACC-3	Pipet ID	N/A	Prep Analyst	EM					
Dig Block ID	5	Therm ID	QA010	Temp	97	Factor	-1.5	Corr. Temp. Deg C	95.5	Start Time	7:13	End Time	7:43	
Dig Block ID	5	Therm ID	QA010	Temp	97	Factor	-1.5	Corr. Temp. Deg C	95.5	Start Time	9:07	End Time	9:37	
MA#	MA16192	Date	10/7/13	Run File	H1100713S2.PRN			Calib File	1100713S			Analyst	SARAHA	

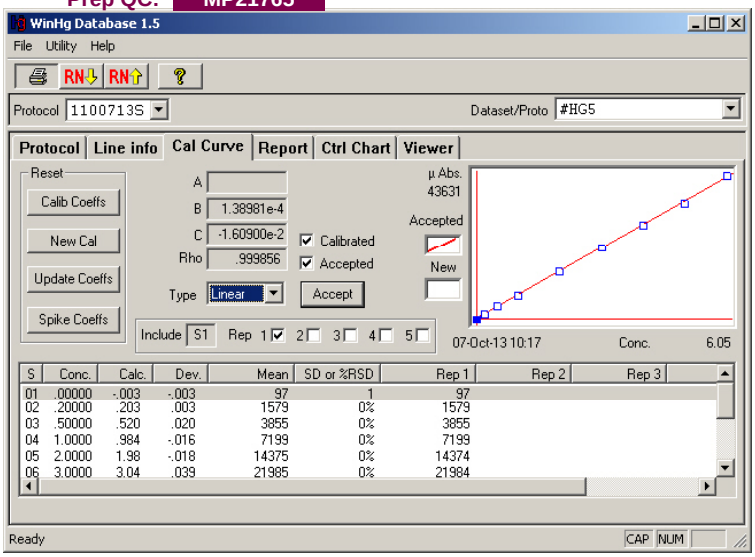
Bot#	Sample ID	Init G	Fin ML	Block ID	Comments	Bot#	Sample ID	Init G	Fin ML	Block ID	Comments
	RB		100	5		1	MC24726-5	0.84	100	5	
	STD#1		100	5	2 ml of METSTD 31434 Hg- 2	1	MC24778-5	0.64	100	5	
	STD#2		100	5	5 ml of METSTD 31434 Hg- 2	1	MC24778-6	0.72	100	5	
	STD#3		100	5	1 ml of METSTD 31434 Hg- 1	1	MC24778-7	0.65	100	5	
	STD#4		100	5	2 ml of METSTD 31434 Hg- 1	1	MC24778-8	0.69	100	5	
	STD#5		100	5	3 ml of METSTD 31434 Hg- 1	1	MC24778-9	0.66	100	5	
	STD#6		100	5	4 ml of METSTD 31434 Hg- 1	1	MC24778-10	0.64	100	5	
	STD#7		100	5	5 ml of METSTD 31434 Hg- 1	1	MC24778-11	0.61	100	5	
	STD#8		100	5	6 ml of METSTD 31434 Hg- 1	1	MC24778-12	0.65	100	5	
	ICV		100	5	4 ml of METSTD 31435 Hg- 1	1	MC24778-13	0.65	100	5	
	CCV		100	5	3 ml of METSTD 31434 Hg- 1	1	MC24849-11	0.65	100	5	
	CRI		100	5	2 ml of METSTD 31434 Hg- 2	1	MC24975-1	0.63	100	5	
	ICB		100	5		1	MC24975-2	0.65	100	5	
	CCB		100	5		1	MC24975-3	0.69	100	5	
*	MB	0.6	100	5		1	MC24975-4	0.64	100	5	
*	SB	0.6	100	5	3 ml of METSTD 31434 Hg- 1	1	MC24975-5	0.64	100	5	
*	SBD	0.6	100	5	3 ml of METSTD 31434 Hg- 1	1	MC24983-1	0.71	100	5	
2	MS MC24726-2	0.85	100	5	3 ml of METSTD 31434 Hg- 1		MP21765-LC1	0.6	100	5	VENDOR-14024
2	MSD MC24726-2	0.86	100	5	3 ml of METSTD 31434 Hg- 1						
2	MC24726-2	0.84	100	5							
1	MC24726-3	0.78	100	5							
1	MC24726-4	0.81	100	5							

Reagent Lot#

Pot. Permanganate	RGT-	37622	_HG	Stannous Chloride	RGT-	37830	_HG	Conc. HNO3	Vendor- ***N/A***
Aqua Regia	RGT-	37767	_HG	Stannous Sulfate	RGT-	****N/A****	_HG	Conc. H2SO4	Vendor- ***N/A***
Hydroxylamine.SO4	RGT-	37771	_HG	Instrument ID:	HG-1			Dig Tubes	1303205

Comment: * SAND USED : VENDOR-12599.

QC Review	PuiY	Date:	10/7/13	MMA015-02


WinHg Database 1.5
File Utility Help
RN RN
Protocol 1100713S
Dataset/Proto #HG5
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 1.38981e-4
C -1.60900e-2
Rho .999856
Type Linear
Calibrated
Accepted
Accept
µ Abs.
43631
Accepted
New
Include S1 Rep 1 2 3 4 5
07-Oct-13 10:17
Conc. 6.05
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 -.003 -.003 97 1 97
02 .20000 .203 .003 1579 0% 1579
03 .50000 .520 .020 3855 0% 3855
04 1.0000 .984 -.016 7199 0% 7199
05 2.0000 1.98 -.018 14375 0% 14374
06 3.0000 3.04 .039 21985 0% 21984
Ready
CAP NUM

Prep QC: MP21767

ACCUTEST

Date:	10/04/13
Time	16:58

Name:	EDOUARDA
MP Batch ID:	MP21767
QC Sample ID:	MC24726-2

Reagent Lot #	
1:1 HNO3	RGT-37343-METALS
1:1 HCL	RGT-37601-METALS
Conc HNO3	VENDOR-14027
H2O2	VENDOR-13654
LCS	VENDOR-14024
Filter Paper Lot #	11104171
Digetion Tube Lot #	1303205

Aqueous EPA 200.7/ 200.8	○
Aqueous SW846 3010A	○
Soil- SW846 3050B	◉

ML Used	Spike Lot#
1	RGT-37689-METALS
1	RGT-37690-METALS
1	RGT-37691-METALS
1	RGT-37692-METALS
Spike ID	MPICP

Dig Block ID:	3	Therm ID	GN015	Temp. C	95.5	Factor	-2	Corrected Temp C	93.5
Dig Block ID:		Therm ID		Temp. C		Factor		Corrected Temp C	
Balance ID:	ACC-3	Repipetor ID	3						

Note: (A)Serial dilution shown for QC purposes only (not a seperate digestion). (B) For DW samples <1NTU, measure pH prior to analysis.

Bot#	Sample #	Initial G	Final (ML)			1:1 HNO3 (ML)	Conc. HNO3 (ML)	1:1 HCL (ML)	H2O2 (ML)	Comment
	MP21767-LC1	1	100			10	5	10	3	
	MP21767-MB1	1	100			10	5	10	3	
	MP21767-B1	1	100			10	5	10	3	
1	MP21767-S1	1.11	100			10	5	10	3	
1	MP21767-SD1	1.13	100			10	5	10	3	
	MP21767-B2	1	100			10	5	10	3	
1	MP21767-S2	1.12	100			10	5	10	3	
1	MC24726-2	1.13	100			10	5	10	3	
1	MC24778-1	1.17	100			10	5	10	3	
1	MC24778-10	1.2	100			10	5	10	3	
1	MC24778-11	1.21	100			10	5	10	3	
1	MC24778-12	1.07	100			10	5	10	3	
1	MC24778-13	1.17	100			10	5	10	3	
1	MC24778-2	1.17	100			10	5	10	3	
1	MC24778-3	1.15	100			10	5	10	3	
1	MC24778-4	1.09	100			10	5	10	3	
1	MC24778-5	1.18	100			10	5	10	3	
1	MC24778-6	1.31	100			10	5	10	3	
1	MC24778-7	1.23	100			10	5	10	3	
1	MC24778-8	1.3	100			10	5	10	3	
1	MC24778-9	1.07	100			10	5	10	3	
1	MC24849-11	1.04	100			10	5	10	3	
1	MC24975-1	1.05	100			10	5	10	3	
1	MC24975-2	1.04	100			10	5	10	3	
1	MC24975-3	1.28	100			10	5	10	3	
1	MC24975-4	1.31	100			10	5	10	3	
1	MC24975-5	1.15	100			10	5	10	3	

Protected Worksheet MMP003-02 QC Review PuiY Date: 10/07/13

(Format edits must be done by dept. Manager)

11.3.2 11

New England ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: MC24849
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MC24849-1 **Analyzed:** 03-OCT-13 by HS **Method:** SM21 2540 B MOD.
ClientID: EPT-SB-LASA412-0004

Wet Weight (Total)	41.413	g
Tare Weight	28.641	g
Dry Weight (Total)	40.296	g
Solids, Percent	91.3	%

Sample: MC24849-5 **Analyzed:** 03-OCT-13 by HS **Method:** SM21 2540 B MOD.
ClientID: EPT-SB-LASA416-4553

Wet Weight (Total)	31.761	g
Tare Weight	20.522	g
Dry Weight (Total)	29.289	g
Solids, Percent	78	%

Sample: MC24849-6 **Analyzed:** 03-OCT-13 by HS **Method:** SM21 2540 B MOD.
ClientID: EPT-SB-LASA417-0209

Wet Weight (Total)	40.763	g
Tare Weight	24.108	g
Dry Weight (Total)	38.576	g
Solids, Percent	86.9	%

Sample: MC24849-7 **Analyzed:** 03-OCT-13 by HS **Method:** SM21 2540 B MOD.
ClientID: EPT-SB-LASA418-13

Wet Weight (Total)	34.177	g
Tare Weight	24.968	g
Dry Weight (Total)	32.892	g
Solids, Percent	86	%

Sample: MC24849-11 **Analyzed:** 03-OCT-13 by HS **Method:** SM21 2540 B MOD.
ClientID: EPT-SB-LASA425-04

Wet Weight (Total)	40.425	g
Tare Weight	29.248	g
Dry Weight (Total)	37.472	g
Solids, Percent	73.6	%

Sample: MC24849-12 **Analyzed:** 03-OCT-13 by HS **Method:** SM21 2540 B MOD.
ClientID: EPT-SB-LASA425-10

Wet Weight (Total)	29.066	g
Tare Weight	19.128	g
Dry Weight (Total)	27.732	g
Solids, Percent	86.6	%

New England ACCUTEST LABORATORIES

02/04/14

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC26923

Sampling Dates: 12/03/13 - 12/05/13

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **673**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Test results relate only to samples analyzed.

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Sample Summary

WSP Environmental & Energy

Job No: MC26923

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC26923-1	12/03/13	12:30	MF	12/06/13	AQ	Ground Water	EPT-GW-MW29-1719
MC26923-2	12/03/13	12:30	MF	12/06/13	AQ	Ground Water	EPT-GW-MW29-2729
MC26923-3	12/03/13	12:30	MF	12/06/13	AQ	Ground Water	EPT-GW-MW29-3234
MC26923-4	12/03/13	12:30	MF	12/06/13	AQ	Ground Water	EPT-GW-MW29-3739
MC26923-5	12/03/13	12:30	MF	12/06/13	AQ	Ground Water	EPT-GW-MW29-4244
MC26923-6	12/03/13	12:30	MF	12/06/13	AQ	Ground Water	EPT-GW-MW29-4749
MC26923-7	12/04/13	12:40	MF	12/06/13	AQ	Ground Water	EPT-GW-MW34S-SRX
MC26923-8	12/04/13	13:40	MF	12/06/13	AQ	Ground Water	LBA-MW-35-SRX
MC26923-9	12/04/13	15:30	MF	12/06/13	SO	Soil	EPT-SB-LBA501-0102
MC26923-10	12/04/13	14:50	MF	12/06/13	SO	Soil	EPT-SB-LBA503-0102
MC26923-11	12/04/13	16:25	MF	12/06/13	SO	Soil	EPT-SB-LBA504-0102
MC26923-12	12/04/13	16:45	MF	12/06/13	SO	Soil	EPT-SB-LBA505-0102
MC26923-13	12/05/13	13:25	MF	12/06/13	SO	Soil	EPT-SB-LBA509-22

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

WSP Environmental & Energy

Job No: MC26923

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
MC26923-14	12/05/13	14:15	MF	12/06/13	SO	Soil	EPT-SB-LBA510-14
MC26923-15	12/05/13	14:50	MF	12/06/13	SO	Soil	EPT-SB-511(0.8-1)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environmental & Energy **Job No** MC26923

Site: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, **Report Date** 1/10/2014 4:35:12 PM

15 Sample(s) were collected on between 12/03/2013 and 12/05/2013 and were received at Accutest on 12/06/2013 properly preserved, at 0.4 Deg. C and intact. These Samples received an Accutest job number of MC26923. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix AQ **Batch ID:** MSN3101

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC26922-3MS, MC26922-3MSD were used as the QC samples indicated.

Matrix AQ **Batch ID:** MSU797

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC26772-3AMS, MC26772-3AMSD were used as the QC samples indicated.
- MSU797-BS/BSD Recovery(s) for Chloromethane are outside control limits. Blank Spike meets program technical requirements.
- Matrix Spike Recovery(s) for 1,1,2,2-Tetrachloroethane, Acetone, Chloromethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for Acetone, Chloromethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Initial calibration verification MSU756-ICV756 for 2-chloromethane exceed 30% Difference (response biased high). Associated samples are non-detect for this compound.

Matrix SO **Batch ID:** MSM2172

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27002-25MS, MC27002-25MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for Acetone, Vinyl chloride are outside control limits. Blank Spike meets program technical requirements.
- Matrix Spike Recovery(s) for 1,2,4-Trichlorobenzene, Acetone, Bromomethane, Dichlorodifluoromethane, Styrene, Vinyl chloride are outside control limits. Blank Spike meets program technical requirements.
- Matrix Spike Duplicate Recovery(s) for 1,2,4-Trichlorobenzene, Acetone, Dichlorodifluoromethane, Methyl Acetate, Vinyl chloride, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Styrene are outside control limits. Blank Spike meets program technical requirements.
- RPD(s) for MSD for 1,1,2,2-Tetrachloroethane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Bromoform, Styrene are outside control limits for sample MC27002-25MSD. High RPD due to possible matrix interference and/or sample non-homogeneity.
- MSM2172-BS for Bromoform: Outside control limits. Associated samples are non-detect for this compound.
- Initial calibration verification MSM2169-ICV2169 for 2-butanone, 2-hexanone exceed 30% Difference (response biased high). Associated samples are non-detect for this compound.

Metals By Method SW846 6010C

Matrix AQ **Batch ID:** MP22226

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB53625-10PS, JB53625-10SDL, JB53625-10MSD were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Selenium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.Post spike within acceptable range.
- RPD for Serial Dilution for Arsenic, Barium, Cadmium, Chromium, Selenium, Silver are outside Percent difference acceptable due to low initial sample concentratio n (< 50 times IDL).

Wet Chemistry By Method SM21 2540 B MOD.

Matrix SO **Batch ID:** GN45471

- Sample(s) MC26993-14DUP were used as the QC samples for Solids, Percent.

Wet Chemistry By Method SW846 9012

Matrix AQ **Batch ID:** GP17001

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC26860-1DUP, MC26860-1MS were used as the QC samples for Cyanide.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC26923).

Summary of Hits

Job Number: MC26923
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 12/03/13 thru 12/05/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC26923-1	**EPT-GW-MW29-1719**					
1,1-Dichloroethane		4.0	1.0	0.37	ug/l	SW846 8260C
cis-1,2-Dichloroethene		101	1.0	0.54	ug/l	SW846 8260C
trans-1,2-Dichloroethene		3.2	1.0	0.54	ug/l	SW846 8260C
Toluene		0.81 J	1.0	0.46	ug/l	SW846 8260C
Trichloroethene		0.69 J	1.0	0.45	ug/l	SW846 8260C
Vinyl chloride		44.8	1.0	0.61	ug/l	SW846 8260C
MC26923-2	**EPT-GW-MW29-2729**					
1,1-Dichloroethane		20.2	1.0	0.37	ug/l	SW846 8260C
1,1-Dichloroethene		3.9	1.0	0.67	ug/l	SW846 8260C
cis-1,2-Dichloroethene		364	20	11	ug/l	SW846 8260C
trans-1,2-Dichloroethene		11.2	1.0	0.54	ug/l	SW846 8260C
Toluene		3.0	1.0	0.46	ug/l	SW846 8260C
1,1,1-Trichloroethane		1.9	1.0	0.94	ug/l	SW846 8260C
Trichloroethene		1.5	1.0	0.45	ug/l	SW846 8260C
Vinyl chloride		220	1.0	0.61	ug/l	SW846 8260C
Xylene (total)		3.0	1.0	0.41	ug/l	SW846 8260C
MC26923-3	**EPT-GW-MW29-3234**					
1,1-Dichloroethane		25.5	1.0	0.37	ug/l	SW846 8260C
1,1-Dichloroethene		4.9	1.0	0.67	ug/l	SW846 8260C
cis-1,2-Dichloroethene		444	20	11	ug/l	SW846 8260C
trans-1,2-Dichloroethene		14.8	1.0	0.54	ug/l	SW846 8260C
Ethylbenzene		0.56 J	1.0	0.38	ug/l	SW846 8260C
Toluene		5.4	1.0	0.46	ug/l	SW846 8260C
1,1,1-Trichloroethane		2.5	1.0	0.94	ug/l	SW846 8260C
Trichloroethene		1.8	1.0	0.45	ug/l	SW846 8260C
Vinyl chloride		276	1.0	0.61	ug/l	SW846 8260C
Xylene (total)		5.5	1.0	0.41	ug/l	SW846 8260C
MC26923-4	**EPT-GW-MW29-3739**					
Benzene		0.47 J	0.50	0.45	ug/l	SW846 8260C
1,1-Dichloroethane		26.0	1.0	0.37	ug/l	SW846 8260C
1,1-Dichloroethene		4.7	1.0	0.67	ug/l	SW846 8260C
cis-1,2-Dichloroethene		482	20	11	ug/l	SW846 8260C
trans-1,2-Dichloroethene		14.0	1.0	0.54	ug/l	SW846 8260C
Ethylbenzene		0.79 J	1.0	0.38	ug/l	SW846 8260C
Toluene		7.2	1.0	0.46	ug/l	SW846 8260C
1,1,1-Trichloroethane		2.6	1.0	0.94	ug/l	SW846 8260C
Trichloroethene		2.0	1.0	0.45	ug/l	SW846 8260C

Summary of Hits

Job Number: MC26923
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 12/03/13 thru 12/05/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Vinyl chloride		286	1.0	0.61	ug/l	SW846 8260C
Xylene (total)		7.3	1.0	0.41	ug/l	SW846 8260C
MC26923-5	**EPT-GW-MW29-4244**					
Benzene		2.0	0.50	0.45	ug/l	SW846 8260C
1,1-Dichloroethane		17.8	1.0	0.37	ug/l	SW846 8260C
1,1-Dichloroethene		2.2	1.0	0.67	ug/l	SW846 8260C
cis-1,2-Dichloroethene		288	1.0	0.54	ug/l	SW846 8260C
trans-1,2-Dichloroethene		9.3	1.0	0.54	ug/l	SW846 8260C
Ethylbenzene		1.6	1.0	0.38	ug/l	SW846 8260C
Toluene		15.4	1.0	0.46	ug/l	SW846 8260C
1,1,1-Trichloroethane		1.3	1.0	0.94	ug/l	SW846 8260C
Trichloroethene		0.91 J	1.0	0.45	ug/l	SW846 8260C
Vinyl chloride		288	1.0	0.61	ug/l	SW846 8260C
Xylene (total)		13.8	1.0	0.41	ug/l	SW846 8260C
MC26923-6	**EPT-GW-MW29-4749**					
Benzene		0.46 J	0.50	0.45	ug/l	SW846 8260C
1,1-Dichloroethane		13.4	1.0	0.37	ug/l	SW846 8260C
1,1-Dichloroethene		2.3	1.0	0.67	ug/l	SW846 8260C
cis-1,2-Dichloroethene		249	1.0	0.54	ug/l	SW846 8260C
trans-1,2-Dichloroethene		6.8	1.0	0.54	ug/l	SW846 8260C
Ethylbenzene		0.56 J	1.0	0.38	ug/l	SW846 8260C
Toluene		5.6	1.0	0.46	ug/l	SW846 8260C
Vinyl chloride		210	1.0	0.61	ug/l	SW846 8260C
Xylene (total)		5.5	1.0	0.41	ug/l	SW846 8260C
MC26923-7	**EPT-GW-MW34S-SRX**					
Bromodichloromethane		1.2	1.0	0.33	ug/l	SW846 8260C
Chloroform		1.1	1.0	0.50	ug/l	SW846 8260C
Toluene		0.65 J	1.0	0.46	ug/l	SW846 8260C
MC26923-8	**LBA-MW-35-SRX**					
Arsenic [a]		480	20	14	ug/l	SW846 6010C
Barium [a]		31200	250	4.0	ug/l	SW846 6010C
Chromium [a]		2190	50	7.2	ug/l	SW846 6010C
Lead [a]		465	25	8.5	ug/l	SW846 6010C
Silver [a]		208	25	5.1	ug/l	SW846 6010C

Summary of Hits

Job Number: MC26923
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 12/03/13 thru 12/05/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC26923-9	**EPT-SB-LBA501-0102**					
Carbon disulfide		2.0 J	6.6	0.20	ug/kg	SW846 8260C
Trichloroethene		3.0	2.6	0.62	ug/kg	SW846 8260C
Total TIC, Volatile		237 J			ug/kg	
MC26923-10	**EPT-SB-LBA503-0102**					
cis-1,2-Dichloroethene		6.9	2.2	0.56	ug/kg	SW846 8260C
Methylene chloride		2.0 J	2.2	1.7	ug/kg	SW846 8260C
Trichloroethene		12.0	2.2	0.52	ug/kg	SW846 8260C
MC26923-11	**EPT-SB-LBA504-0102**					
Methylene chloride		1.5 J	1.8	1.4	ug/kg	SW846 8260C
Trichloroethene		7.2	1.8	0.42	ug/kg	SW846 8260C
MC26923-12	**EPT-SB-LBA505-0102**					
Carbon disulfide		4.4 J	6.5	0.20	ug/kg	SW846 8260C
Methylene chloride		2.2 J	2.6	2.0	ug/kg	SW846 8260C
MC26923-13	**EPT-SB-LBA509-22**					
Carbon disulfide		3.8 J	5.5	0.17	ug/kg	SW846 8260C
Trichloroethene		1.6 J	2.2	0.53	ug/kg	SW846 8260C
MC26923-14	**EPT-SB-LBA510-14**					
Carbon disulfide		0.97 J	6.5	0.20	ug/kg	SW846 8260C
MC26923-15	**EPT-SB-511(0.8-1)**					
Methylene chloride		2.6	2.4	1.9	ug/kg	SW846 8260C
Toluene		2.3 J	6.0	0.29	ug/kg	SW846 8260C

(a) Elevated RL due to dilution required for matrix interference.

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

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Report of Analysis

Client Sample ID:	EPT-GW-MW29-1719		
Lab Sample ID:	MC26923-1	**Date Sampled:**	12/03/13
Matrix:	AQ - Ground Water	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U16669.D	1	12/09/13	GK	n/a	n/a	MSU797
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	4.0	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	101	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	3.2	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-GW-MW29-1719		
Lab Sample ID:	MC26923-1	**Date Sampled:**	12/03/13
Matrix:	AQ - Ground Water	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	0.81	1.0	0.46	ug/l	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	0.69	1.0	0.45	ug/l	J
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	44.8	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	125%		70-130%
2037-26-5	Toluene-D8	115%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	EPT-GW-MW29-2729		
Lab Sample ID:	MC26923-2	**Date Sampled:**	12/03/13
Matrix:	AQ - Ground Water	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U16670.D	1	12/09/13	GK	n/a	n/a	MSU797
Run #2	N83096.D	20	12/10/13	JB	n/a	n/a	MSN3101

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	20.2	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	3.9	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	364 [a]	20	11	ug/l	
156-60-5	trans-1,2-Dichloroethene	11.2	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-GW-MW29-2729		
Lab Sample ID:	MC26923-2	**Date Sampled:**	12/03/13
Matrix:	AQ - Ground Water	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	3.0	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	1.9	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	1.5	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	220	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	3.0	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	125%	88%	70-130%
2037-26-5	Toluene-D8	114%	100%	70-130%
460-00-4	4-Bromofluorobenzene	107%	109%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-GW-MW29-3234		
Lab Sample ID:	MC26923-3	**Date Sampled:**	12/03/13
Matrix:	AQ - Ground Water	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U16671.D	1	12/09/13	GK	n/a	n/a	MSU797
Run #2	N83097.D	20	12/10/13	JB	n/a	n/a	MSN3101

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	25.5	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	4.9	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	444 [a]	20	11	ug/l	
156-60-5	trans-1,2-Dichloroethene	14.8	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	0.56	1.0	0.38	ug/l	J
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-GW-MW29-3234		
Lab Sample ID:	MC26923-3	**Date Sampled:**	12/03/13
Matrix:	AQ - Ground Water	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	5.4	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	2.5	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	1.8	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	276	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	5.5	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	125%	88%	70-130%
2037-26-5	Toluene-D8	113%	100%	70-130%
460-00-4	4-Bromofluorobenzene	107%	108%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	EPT-GW-MW29-3739		
Lab Sample ID:	MC26923-4	**Date Sampled:**	12/03/13
Matrix:	AQ - Ground Water	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U16672.D	1	12/09/13	GK	n/a	n/a	MSU797
Run #2	N83098.D	20	12/10/13	JB	n/a	n/a	MSN3101

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	0.47	0.50	0.45	ug/l	J
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	26.0	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	4.7	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	482 [a]	20	11	ug/l	
156-60-5	trans-1,2-Dichloroethene	14.0	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	0.79	1.0	0.38	ug/l	J
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-GW-MW29-3739		
Lab Sample ID:	MC26923-4	**Date Sampled:**	12/03/13
Matrix:	AQ - Ground Water	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	7.2	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	2.6	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	2.0	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	286	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	7.3	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	126%	90%	70-130%
2037-26-5	Toluene-D8	113%	101%	70-130%
460-00-4	4-Bromofluorobenzene	105%	109%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	EPT-GW-MW29-4244		
Lab Sample ID:	MC26923-5	**Date Sampled:**	12/03/13
Matrix:	AQ - Ground Water	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U16673.D	1	12/09/13	GK	n/a	n/a	MSU797
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	2.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	17.8	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	2.2	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	288	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	9.3	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	1.6	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-GW-MW29-4244		
Lab Sample ID:	MC26923-5	**Date Sampled:**	12/03/13
Matrix:	AQ - Ground Water	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	15.4	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	1.3	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	0.91	1.0	0.45	ug/l	J
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	288	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	13.8	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	125%		70-130%
2037-26-5	Toluene-D8	114%		70-130%
460-00-4	4-Bromofluorobenzene	106%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	EPT-GW-MW29-4749		
Lab Sample ID:	MC26923-6	**Date Sampled:**	12/03/13
Matrix:	AQ - Ground Water	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U16674.D	1	12/09/13	GK	n/a	n/a	MSU797
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	0.46	0.50	0.45	ug/l	J
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	13.4	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	2.3	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	249	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	6.8	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	0.56	1.0	0.38	ug/l	J
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-GW-MW29-4749		
Lab Sample ID:	MC26923-6	**Date Sampled:**	12/03/13
Matrix:	AQ - Ground Water	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	5.6	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	210	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	5.5	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	128%		70-130%
2037-26-5	Toluene-D8	113%		70-130%
460-00-4	4-Bromofluorobenzene	107%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	EPT-GW-MW34S-SRX		
Lab Sample ID:	MC26923-7	**Date Sampled:**	12/04/13
Matrix:	AQ - Ground Water	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U16675.D	1	12/09/13	GK	n/a	n/a	MSU797
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	1.2	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	1.1	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-GW-MW34S-SRX		
Lab Sample ID:	MC26923-7	**Date Sampled:**	12/04/13
Matrix:	AQ - Ground Water	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	0.65	1.0	0.46	ug/l	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	124%		70-130%
2037-26-5	Toluene-D8	114%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-MW-35-SRX
Lab Sample ID: MC26923-8
Matrix: AQ - Ground Water
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 12/04/13
Date Received: 12/06/13
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	480	20	14	ug/l	5	12/10/13	12/12/13	EAL	SW846 6010C [1]	SW846 3010A [2]
Barium [a]	31200	250	4.0	ug/l	5	12/10/13	12/12/13	EAL	SW846 6010C [1]	SW846 3010A [2]
Cadmium [a]	2.5 U	20	2.5	ug/l	5	12/10/13	12/12/13	EAL	SW846 6010C [1]	SW846 3010A [2]
Chromium [a]	2190	50	7.2	ug/l	5	12/10/13	12/12/13	EAL	SW846 6010C [1]	SW846 3010A [2]
Lead [a]	465	25	8.5	ug/l	5	12/10/13	12/12/13	EAL	SW846 6010C [1]	SW846 3010A [2]
Selenium [a]	24 U	50	24	ug/l	5	12/10/13	12/12/13	EAL	SW846 6010C [1]	SW846 3010A [2]
Silver [a]	208	25	5.1	ug/l	5	12/10/13	12/12/13	EAL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA16550
(2) Prep QC Batch: MP22226

(a) Elevated RL due to dilution required for matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	LBA-MW-35-SRX		
Lab Sample ID:	MC26923-8	**Date Sampled:**	12/04/13
Matrix:	AQ - Ground Water	**Date Received:**	12/06/13
		Percent Solids:	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	12/10/13 14:10	MA	SW846 9012

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	EPT-SB-LBA501-0102		
Lab Sample ID:	MC26923-9	**Date Sampled:**	12/04/13
Matrix:	SO - Soil	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	81.0
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M62168.D	1	12/14/13	KD	n/a	n/a	MSM2172
Run #2							

	Initial Weight	Final Volume
Run #1	4.69 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	5.1	ug/kg	
71-43-2	Benzene	ND	0.66	0.33	ug/kg	
75-27-4	Bromodichloromethane	ND	2.6	0.48	ug/kg	
75-25-2	Bromoform	ND	2.6	0.38	ug/kg	
74-83-9	Bromomethane	ND	2.6	1.3	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.6	4.1	ug/kg	
75-15-0	Carbon disulfide	2.0	6.6	0.20	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.6	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	2.6	0.36	ug/kg	
75-00-3	Chloroethane	ND	6.6	0.79	ug/kg	
67-66-3	Chloroform	ND	2.6	0.38	ug/kg	
74-87-3	Chloromethane	ND	6.6	1.6	ug/kg	
110-82-7	Cyclohexane	ND	6.6	0.35	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.6	2.7	ug/kg	
124-48-1	Dibromochloromethane	ND	2.6	0.56	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.6	0.75	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.6	0.27	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.6	0.29	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.6	0.27	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.6	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.6	0.44	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.6	0.72	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.6	0.69	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.6	0.67	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.6	0.59	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.6	0.56	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.6	0.38	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.6	0.38	ug/kg	
100-41-4	Ethylbenzene	ND	2.6	0.23	ug/kg	
76-13-1	Freon 113	ND	6.6	1.2	ug/kg	
591-78-6	2-Hexanone	ND	6.6	3.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.6	0.37	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-SB-LBA501-0102		
Lab Sample ID:	MC26923-9	**Date Sampled:**	12/04/13
Matrix:	SO - Soil	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	81.0
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.6	3.7	ug/kg	
108-87-2	Methylcyclohexane	ND	6.6	0.28	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.6	0.52	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.6	2.4	ug/kg	
75-09-2	Methylene chloride	ND	2.6	2.0	ug/kg	
100-42-5	Styrene	ND	6.6	0.27	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.6	0.39	ug/kg	
127-18-4	Tetrachloroethene	ND	2.6	0.58	ug/kg	
108-88-3	Toluene	ND	6.6	0.32	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.6	0.48	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.6	0.24	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.6	0.46	ug/kg	
79-01-6	Trichloroethene	3.0	2.6	0.62	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.6	1.4	ug/kg	
75-01-4	Vinyl chloride	ND	2.6	0.75	ug/kg	
1330-20-7	Xylene (total)	ND	2.6	0.27	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	106%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
1405-16-9	Patchoulene	11.35	24	ug/kg	JN
	Unknown Naphthalene	13.00	10	ug/kg	JN
41702-63-0	Epizonarene	13.28	24	ug/kg	JN
	Unknown Naphthalene	13.89	15	ug/kg	JN
	Unknown Naphthalene	14.37	87	ug/kg	JN
	Unknown Naphthalene	14.55	35	ug/kg	JN
	Unknown Naphthalene	15.24	14	ug/kg	JN
	Unknown Naphthalene	15.37	28	ug/kg	JN
	Total TIC, Volatile		237	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	EPT-SB-LBA503-0102		
Lab Sample ID:	MC26923-10	**Date Sampled:**	12/04/13
Matrix:	SO - Soil	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	85.5
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M62169.D	1	12/14/13	KD	n/a	n/a	MSM2172
Run #2							

	Initial Weight	Final Volume
Run #1	5.31 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	4.3	ug/kg	
71-43-2	Benzene	ND	0.55	0.27	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.40	ug/kg	
75-25-2	Bromoform	ND	2.2	0.32	ug/kg	
74-83-9	Bromomethane	ND	2.2	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.5	3.4	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	0.17	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.30	ug/kg	
75-00-3	Chloroethane	ND	5.5	0.66	ug/kg	
67-66-3	Chloroform	ND	2.2	0.32	ug/kg	
74-87-3	Chloromethane	ND	5.5	1.3	ug/kg	
110-82-7	Cyclohexane	ND	5.5	0.29	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	2.2	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.47	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.2	0.62	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.2	0.23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.2	0.25	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.2	0.22	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.2	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.2	0.37	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.2	0.60	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.2	0.57	ug/kg	
156-59-2	cis-1,2-Dichloroethene	6.9	2.2	0.56	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.2	0.49	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.47	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.32	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.32	ug/kg	
100-41-4	Ethylbenzene	ND	2.2	0.20	ug/kg	
76-13-1	Freon 113	ND	5.5	1.0	ug/kg	
591-78-6	2-Hexanone	ND	5.5	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	0.31	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-SB-LBA503-0102		
Lab Sample ID:	MC26923-10	**Date Sampled:**	12/04/13
Matrix:	SO - Soil	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	85.5
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.5	3.1	ug/kg	
108-87-2	Methylcyclohexane	ND	5.5	0.23	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.2	0.44	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.5	2.0	ug/kg	
75-09-2	Methylene chloride	2.0	2.2	1.7	ug/kg	J
100-42-5	Styrene	ND	5.5	0.23	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.32	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	0.49	ug/kg	
108-88-3	Toluene	ND	5.5	0.27	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	0.40	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.20	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.38	ug/kg	
79-01-6	Trichloroethene	12.0	2.2	0.52	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.2	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	0.63	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	0.23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	EPT-SB-LBA504-0102		
Lab Sample ID:	MC26923-11	**Date Sampled:**	12/04/13
Matrix:	SO - Soil	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	86.2
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M62170.D	1	12/14/13	KD	n/a	n/a	MSM2172
Run #2							

	Initial Weight	Final Volume
Run #1	6.47 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	9.0	3.5	ug/kg	
71-43-2	Benzene	ND	0.45	0.22	ug/kg	
75-27-4	Bromodichloromethane	ND	1.8	0.32	ug/kg	
75-25-2	Bromoform	ND	1.8	0.26	ug/kg	
74-83-9	Bromomethane	ND	1.8	0.87	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4.5	2.8	ug/kg	
75-15-0	Carbon disulfide	ND	4.5	0.14	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.8	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	1.8	0.24	ug/kg	
75-00-3	Chloroethane	ND	4.5	0.54	ug/kg	
67-66-3	Chloroform	ND	1.8	0.26	ug/kg	
74-87-3	Chloromethane	ND	4.5	1.1	ug/kg	
110-82-7	Cyclohexane	ND	4.5	0.24	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.5	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	1.8	0.38	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.8	0.51	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.8	0.19	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.8	0.20	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.8	0.18	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	1.8	1.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.8	0.30	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.8	0.49	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.8	0.47	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.8	0.46	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.8	0.40	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.8	0.38	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.8	0.26	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.8	0.26	ug/kg	
100-41-4	Ethylbenzene	ND	1.8	0.16	ug/kg	
76-13-1	Freon 113	ND	4.5	0.82	ug/kg	
591-78-6	2-Hexanone	ND	4.5	2.2	ug/kg	
98-82-8	Isopropylbenzene	ND	4.5	0.25	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-SB-LBA504-0102		
Lab Sample ID:	MC26923-11	**Date Sampled:**	12/04/13
Matrix:	SO - Soil	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	86.2
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	4.5	2.5	ug/kg	
108-87-2	Methylcyclohexane	ND	4.5	0.19	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.8	0.36	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.5	1.7	ug/kg	
75-09-2	Methylene chloride	1.5	1.8	1.4	ug/kg	J
100-42-5	Styrene	ND	4.5	0.18	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.8	0.26	ug/kg	
127-18-4	Tetrachloroethene	ND	1.8	0.40	ug/kg	
108-88-3	Toluene	ND	4.5	0.22	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.5	0.32	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.8	0.16	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.8	0.31	ug/kg	
79-01-6	Trichloroethene	7.2	1.8	0.42	ug/kg	
75-69-4	Trichlorofluoromethane	ND	1.8	0.94	ug/kg	
75-01-4	Vinyl chloride	ND	1.8	0.51	ug/kg	
1330-20-7	Xylene (total)	ND	1.8	0.18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		70-130%
2037-26-5	Toluene-D8	94%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	EPT-SB-LBA505-0102		
Lab Sample ID:	MC26923-12	**Date Sampled:**	12/04/13
Matrix:	SO - Soil	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	78.5
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M62171.D	1	12/14/13	KD	n/a	n/a	MSM2172
Run #2							

	Initial Weight	Final Volume
Run #1	4.90 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	5.1	ug/kg	
71-43-2	Benzene	ND	0.65	0.32	ug/kg	
75-27-4	Bromodichloromethane	ND	2.6	0.47	ug/kg	
75-25-2	Bromoform	ND	2.6	0.38	ug/kg	
74-83-9	Bromomethane	ND	2.6	1.3	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.5	4.0	ug/kg	
75-15-0	Carbon disulfide	4.4	6.5	0.20	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.6	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	2.6	0.35	ug/kg	
75-00-3	Chloroethane	ND	6.5	0.78	ug/kg	
67-66-3	Chloroform	ND	2.6	0.37	ug/kg	
74-87-3	Chloromethane	ND	6.5	1.6	ug/kg	
110-82-7	Cyclohexane	ND	6.5	0.34	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.5	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	2.6	0.55	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.6	0.74	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.6	0.27	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.6	0.29	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.6	0.26	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.6	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.6	0.43	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.6	0.71	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.6	0.68	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.6	0.66	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.6	0.58	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.6	0.55	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.6	0.38	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.6	0.38	ug/kg	
100-41-4	Ethylbenzene	ND	2.6	0.23	ug/kg	
76-13-1	Freon 113	ND	6.5	1.2	ug/kg	
591-78-6	2-Hexanone	ND	6.5	3.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.5	0.36	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-SB-LBA505-0102		
Lab Sample ID:	MC26923-12	**Date Sampled:**	12/04/13
Matrix:	SO - Soil	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	78.5
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.5	3.6	ug/kg	
108-87-2	Methylcyclohexane	ND	6.5	0.28	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.6	0.52	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.5	2.4	ug/kg	
75-09-2	Methylene chloride	2.2	2.6	2.0	ug/kg	J
100-42-5	Styrene	ND	6.5	0.27	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.6	0.38	ug/kg	
127-18-4	Tetrachloroethene	ND	2.6	0.57	ug/kg	
108-88-3	Toluene	ND	6.5	0.32	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.5	0.47	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.6	0.23	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.6	0.45	ug/kg	
79-01-6	Trichloroethene	ND	2.6	0.62	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.6	1.4	ug/kg	
75-01-4	Vinyl chloride	ND	2.6	0.74	ug/kg	
1330-20-7	Xylene (total)	ND	2.6	0.27	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	EPT-SB-LBA509-22		
Lab Sample ID:	MC26923-13	**Date Sampled:**	12/05/13
Matrix:	SO - Soil	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	85.7
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M62172.D	1	12/14/13	KD	n/a	n/a	MSM2172
Run #2							

	Initial Weight	Final Volume
Run #1	5.27 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	4.3	ug/kg	
71-43-2	Benzene	ND	0.55	0.27	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.40	ug/kg	
75-25-2	Bromoform	ND	2.2	0.32	ug/kg	
74-83-9	Bromomethane	ND	2.2	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.5	3.4	ug/kg	
75-15-0	Carbon disulfide	3.8	5.5	0.17	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.2	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.30	ug/kg	
75-00-3	Chloroethane	ND	5.5	0.66	ug/kg	
67-66-3	Chloroform	ND	2.2	0.32	ug/kg	
74-87-3	Chloromethane	ND	5.5	1.3	ug/kg	
110-82-7	Cyclohexane	ND	5.5	0.29	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	2.2	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.47	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.2	0.63	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.2	0.23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.2	0.25	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.2	0.22	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.2	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.2	0.37	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.2	0.60	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.2	0.58	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.2	0.56	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.2	0.49	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.47	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.32	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.32	ug/kg	
100-41-4	Ethylbenzene	ND	2.2	0.20	ug/kg	
76-13-1	Freon 113	ND	5.5	1.0	ug/kg	
591-78-6	2-Hexanone	ND	5.5	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	0.31	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-SB-LBA509-22		
Lab Sample ID:	MC26923-13	**Date Sampled:**	12/05/13
Matrix:	SO - Soil	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	85.7
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.5	3.1	ug/kg	
108-87-2	Methylcyclohexane	ND	5.5	0.24	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.2	0.44	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.5	2.0	ug/kg	
75-09-2	Methylene chloride	ND	2.2	1.7	ug/kg	
100-42-5	Styrene	ND	5.5	0.23	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.33	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	0.49	ug/kg	
108-88-3	Toluene	ND	5.5	0.27	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	0.40	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.20	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.38	ug/kg	
79-01-6	Trichloroethene	1.6	2.2	0.53	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	2.2	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	0.63	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	0.23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	EPT-SB-LBA510-14		
Lab Sample ID:	MC26923-14	**Date Sampled:**	12/05/13
Matrix:	SO - Soil	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	83.5
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M62173.D	1	12/14/13	KD	n/a	n/a	MSM2172
Run #2							

	Initial Weight	Final Volume
Run #1	4.61 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	5.1	ug/kg	
71-43-2	Benzene	ND	0.65	0.32	ug/kg	
75-27-4	Bromodichloromethane	ND	2.6	0.47	ug/kg	
75-25-2	Bromoform	ND	2.6	0.38	ug/kg	
74-83-9	Bromomethane	ND	2.6	1.3	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.5	4.0	ug/kg	
75-15-0	Carbon disulfide	0.97	6.5	0.20	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.6	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	2.6	0.35	ug/kg	
75-00-3	Chloroethane	ND	6.5	0.78	ug/kg	
67-66-3	Chloroform	ND	2.6	0.37	ug/kg	
74-87-3	Chloromethane	ND	6.5	1.6	ug/kg	
110-82-7	Cyclohexane	ND	6.5	0.34	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.5	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	2.6	0.55	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.6	0.74	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.6	0.27	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.6	0.29	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.6	0.26	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.6	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.6	0.43	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.6	0.70	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.6	0.68	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.6	0.66	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.6	0.58	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.6	0.55	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.6	0.37	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.6	0.38	ug/kg	
100-41-4	Ethylbenzene	ND	2.6	0.23	ug/kg	
76-13-1	Freon 113	ND	6.5	1.2	ug/kg	
591-78-6	2-Hexanone	ND	6.5	3.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.5	0.36	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-SB-LBA510-14		
Lab Sample ID:	MC26923-14	**Date Sampled:**	12/05/13
Matrix:	SO - Soil	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	83.5
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.5	3.6	ug/kg	
108-87-2	Methylcyclohexane	ND	6.5	0.28	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.6	0.51	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.5	2.4	ug/kg	
75-09-2	Methylene chloride	ND	2.6	2.0	ug/kg	
100-42-5	Styrene	ND	6.5	0.27	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.6	0.38	ug/kg	
127-18-4	Tetrachloroethene	ND	2.6	0.57	ug/kg	
108-88-3	Toluene	ND	6.5	0.32	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.5	0.47	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.6	0.23	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.6	0.45	ug/kg	
79-01-6	Trichloroethene	ND	2.6	0.61	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.6	1.4	ug/kg	
75-01-4	Vinyl chloride	ND	2.6	0.74	ug/kg	
1330-20-7	Xylene (total)	ND	2.6	0.27	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		70-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	EPT-SB-511(0.8-1)		
Lab Sample ID:	MC26923-15	**Date Sampled:**	12/05/13
Matrix:	SO - Soil	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	89.9
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M62174.D	1	12/14/13	KD	n/a	n/a	MSM2172
Run #2							

	Initial Weight	Final Volume
Run #1	4.62 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	4.7	ug/kg	
71-43-2	Benzene	ND	0.60	0.30	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.44	ug/kg	
75-25-2	Bromoform	ND	2.4	0.35	ug/kg	
74-83-9	Bromomethane	ND	2.4	1.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.0	3.7	ug/kg	
75-15-0	Carbon disulfide	ND	6.0	0.18	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.33	ug/kg	
75-00-3	Chloroethane	ND	6.0	0.72	ug/kg	
67-66-3	Chloroform	ND	2.4	0.35	ug/kg	
74-87-3	Chloromethane	ND	6.0	1.5	ug/kg	
110-82-7	Cyclohexane	ND	6.0	0.32	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.0	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.51	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.4	0.68	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.4	0.25	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.4	0.27	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.4	0.24	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.4	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.4	0.40	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.4	0.65	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.4	0.63	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.4	0.61	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.4	0.54	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.51	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.35	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.35	ug/kg	
100-41-4	Ethylbenzene	ND	2.4	0.21	ug/kg	
76-13-1	Freon 113	ND	6.0	1.1	ug/kg	
591-78-6	2-Hexanone	ND	6.0	2.9	ug/kg	
98-82-8	Isopropylbenzene	ND	6.0	0.34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-SB-511(0.8-1)		
Lab Sample ID:	MC26923-15	**Date Sampled:**	12/05/13
Matrix:	SO - Soil	**Date Received:**	12/06/13
Method:	SW846 8260C	**Percent Solids:**	89.9
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.0	3.3	ug/kg	
108-87-2	Methylcyclohexane	ND	6.0	0.26	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.4	0.48	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.0	2.2	ug/kg	
75-09-2	Methylene chloride	2.6	2.4	1.9	ug/kg	
100-42-5	Styrene	ND	6.0	0.25	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.35	ug/kg	
127-18-4	Tetrachloroethene	ND	2.4	0.53	ug/kg	
108-88-3	Toluene	2.3	6.0	0.29	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	0.44	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.22	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.42	ug/kg	
79-01-6	Trichloroethene	ND	2.4	0.57	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.4	1.3	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	0.69	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	0.25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY RECORD

Page 1 of 2

Project Number:	Site and Location:
4255-5	EPT Ithaca

Contact Name:	Contact Email:
Lisa Bryda	lisa.bryda@wspgroup.com

Sampler's Name:	Sampler's Signature:
M Fleming	Matthew J Fleming

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

N° MC26923

	Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	VOCs 8260B	TAL Mets (no Hg)	Cyanide	Remarks
-1	EPT-GW-MW29-1719	17-19	12/03/13	1230	Aq	1	1			-1
-2	-2729	27-29				2	2			-2
-3	-3234	32-34				2	2			-3
-4	-3739	37-39				2	2			-4
-5	-4244	42-44				2	2			-5
-6	-4749	47-49				2	2			-6
7	EPT-GW-MW34S-5RX	-	12/04/13	1240		3	3			-7
-8	EPT-GW-MW18W-25RX	-		1340		2	0	1	1	-8
-9	EPT-SB-LAB501-0102	1-2		1530	S	1	1			-9
-10	EPT-SB-LAB503-0102	1-2		1450		1	1			-10
-11	EPT-SB-LAB504-0102	1-2		1625		1	1			-11
-12	EPT-SB-LAB505-0102	1-2		1645		1	1			-12
-13	EPT-SB-LAB509-22	2.2	12/05/13	1325	S	1	1			HOLD -13
-14	EPT-SB-LAB510-14	14		1415	S	1	1			HOLD -14
-15	LBA-SB-511(0.8-1)	0.8-1		1450	S	1	1			HOLD -15

48 hr TAT (emailed Dec 9)

HOLD

login + report LAB as LBA

Relinquished by (Signature):	Date | Time	Received by (Signature):
Matthew J Fleming	12/05/13	FedEx
Relinquished by (Signature):	930 12-6-13 Date | Time	Received by (Signature):
FEDX		

Turn-Around Time:	Tracking Number:

Laboratory Name: Accutest

Laboratory Location: NY

Custody Seal Numbers:

Method of Shipment: FedEx

5C3, 6C, 9D

WSP Environment & Energy

- [x] Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- [ ] Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- [ ] San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- [ ] New Jersey Office: 200 Cottontail Ln., Somerset, NJ 08873 / Tel: 732-564-0888
- [ ] Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- [ ] Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- [ ] Woburn Office: 300 Trade Center, Suite 4690, Woburn, MA 01801
- [ ] Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

0.4°C

MC26923: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC26923 **Client:** WSP **Immediate Client Services Action Required:** No

Date / Time Received: 12/6/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: 4255-5 **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC26923: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC26923

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC26923-1 Collected: 03-DEC-13 12:30 By: MF EPT-GW-MW29-1719			Received: 06-DEC-13 By:			
MC26923-1	SW846 8260C	09-DEC-13 16:17	GK			V8260TCL42+
MC26923-2 Collected: 03-DEC-13 12:30 By: MF EPT-GW-MW29-2729			Received: 06-DEC-13 By:			
MC26923-2	SW846 8260C	09-DEC-13 16:44	GK			V8260TCL42+
MC26923-2	SW846 8260C	10-DEC-13 13:07	JB			V8260TCL42+
MC26923-3 Collected: 03-DEC-13 12:30 By: MF EPT-GW-MW29-3234			Received: 06-DEC-13 By:			
MC26923-3	SW846 8260C	09-DEC-13 17:11	GK			V8260TCL42+
MC26923-3	SW846 8260C	10-DEC-13 13:35	JB			V8260TCL42+
MC26923-4 Collected: 03-DEC-13 12:30 By: MF EPT-GW-MW29-3739			Received: 06-DEC-13 By:			
MC26923-4	SW846 8260C	09-DEC-13 17:38	GK			V8260TCL42+
MC26923-4	SW846 8260C	10-DEC-13 14:03	JB			V8260TCL42+
MC26923-5 Collected: 03-DEC-13 12:30 By: MF EPT-GW-MW29-4244			Received: 06-DEC-13 By:			
MC26923-5	SW846 8260C	09-DEC-13 18:05	GK			V8260TCL42+
MC26923-6 Collected: 03-DEC-13 12:30 By: MF EPT-GW-MW29-4749			Received: 06-DEC-13 By:			
MC26923-6	SW846 8260C	09-DEC-13 18:32	GK			V8260TCL42+
MC26923-7 Collected: 04-DEC-13 12:40 By: MF EPT-GW-MW34S-SRX			Received: 06-DEC-13 By:			
MC26923-7	SW846 8260C	09-DEC-13 18:59	GK			V8260TCL42+

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC26923

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC26923-8	Collected: 04-DEC-13 13:40 By: MF		Received: 06-DEC-13 By:			
LBA-MW-35-SRX						
MC26923-8	SW846 9012	10-DEC-13 14:10	MA	10-DEC-13	MA	CN
MC26923-8	SW846 6010C	12-DEC-13 13:43	EAL	10-DEC-13	EM	AG,AS,BA,CD,CR,PB,SE
MC26923-9	Collected: 04-DEC-13 15:30 By: MF		Received: 06-DEC-13 By:			
EPT-SB-LBA501-0102						
MC26923-9	SM21 2540 B MOD.	13-DEC-13	HS			%SOL
MC26923-9	SW846 8260C	14-DEC-13 03:38	KD			V8260TCL42+
MC26923-10	Collected: 04-DEC-13 14:50 By: MF		Received: 06-DEC-13 By:			
EPT-SB-LBA503-0102						
MC26923-10	SM21 2540 B MOD.	13-DEC-13	HS			%SOL
MC26923-10	SW846 8260C	14-DEC-13 04:08	KD			V8260TCL42+
MC26923-11	Collected: 04-DEC-13 16:25 By: MF		Received: 06-DEC-13 By:			
EPT-SB-LBA504-0102						
MC26923-11	SM21 2540 B MOD.	13-DEC-13	HS			%SOL
MC26923-11	SW846 8260C	14-DEC-13 04:37	KD			V8260TCL42+
MC26923-12	Collected: 04-DEC-13 16:45 By: MF		Received: 06-DEC-13 By:			
EPT-SB-LBA505-0102						
MC26923-12	SM21 2540 B MOD.	13-DEC-13	HS			%SOL
MC26923-12	SW846 8260C	14-DEC-13 05:07	KD			V8260TCL42+
MC26923-13	Collected: 05-DEC-13 13:25 By: MF		Received: 06-DEC-13 By:			
EPT-SB-LBA509-22						
MC26923-13	SM21 2540 B MOD.	13-DEC-13	HS			%SOL
MC26923-13	SW846 8260C	14-DEC-13 05:36	KD			V8260TCL42+
MC26923-14	Collected: 05-DEC-13 14:15 By: MF		Received: 06-DEC-13 By:			
EPT-SB-LBA510-14						

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC26923

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC26923-14	SM21 2540 B MOD.	13-DEC-13	HS			%SOL
MC26923-14	SW846 8260C	14-DEC-13 06:06	KD			V8260TCL42+
MC26923-15	Collected: 05-DEC-13 14:50 By: MF			Received: 06-DEC-13 By:		
EPT-SB-511(0.8-1)						
MC26923-15	SM21 2540 B MOD.	13-DEC-13	HS			%SOL
MC26923-15	SW846 8260C	14-DEC-13 06:36	KD			V8260TCL42+

Accutest Internal Chain of Custody

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 12/06/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC26923-1.1	VOC Ref #5	Gary Krasinski	12/09/13 11:03	Retrieve from Storage
MC26923-1.1	Gary Krasinski	GCMSU	12/09/13 11:03	Load on Instrument
MC26923-1.1	GCMSU	Gary Krasinski	12/10/13 09:11	Unload from Instrument
MC26923-1.1	Gary Krasinski	VOC Ref #5	12/10/13 09:11	Return to Storage
MC26923-2.1	VOC Ref #5	Jaclyn Bergeron	12/10/13 11:46	Retrieve from Storage
MC26923-2.1	Jaclyn Bergeron	GCMSN	12/10/13 11:47	Load on Instrument
MC26923-2.1	GCMSN	Jaclyn Bergeron	12/11/13 09:03	Unload from Instrument
MC26923-2.1	Jaclyn Bergeron	VOC Ref #5	12/11/13 09:03	Return to Storage
MC26923-2.2	VOC Ref #5	Gary Krasinski	12/09/13 11:03	Retrieve from Storage
MC26923-2.2	Gary Krasinski	GCMSU	12/09/13 11:03	Load on Instrument
MC26923-2.2	GCMSU	Gary Krasinski	12/10/13 09:11	Unload from Instrument
MC26923-2.2	Gary Krasinski	VOC Ref #5	12/10/13 09:11	Return to Storage
MC26923-3.1	VOC Ref #5	Jaclyn Bergeron	12/10/13 11:46	Retrieve from Storage
MC26923-3.1	Jaclyn Bergeron	GCMSN	12/10/13 11:47	Load on Instrument
MC26923-3.1	GCMSN	Jaclyn Bergeron	12/11/13 09:03	Unload from Instrument
MC26923-3.1	Jaclyn Bergeron	VOC Ref #5	12/11/13 09:03	Return to Storage
MC26923-3.2	VOC Ref #5	Gary Krasinski	12/09/13 11:03	Retrieve from Storage
MC26923-3.2	Gary Krasinski	GCMSU	12/09/13 11:03	Load on Instrument
MC26923-3.2	GCMSU	Gary Krasinski	12/10/13 09:11	Unload from Instrument
MC26923-3.2	Gary Krasinski	VOC Ref #5	12/10/13 09:11	Return to Storage
MC26923-4.1	VOC Ref #5	Jaclyn Bergeron	12/10/13 11:46	Retrieve from Storage
MC26923-4.1	Jaclyn Bergeron	GCMSN	12/10/13 11:47	Load on Instrument
MC26923-4.1	GCMSN	Jaclyn Bergeron	12/11/13 09:03	Unload from Instrument
MC26923-4.1	Jaclyn Bergeron	VOC Ref #5	12/11/13 09:03	Return to Storage
MC26923-4.2	VOC Ref #5	Gary Krasinski	12/09/13 11:03	Retrieve from Storage
MC26923-4.2	Gary Krasinski	GCMSU	12/09/13 11:03	Load on Instrument
MC26923-4.2	GCMSU	Gary Krasinski	12/10/13 09:11	Unload from Instrument
MC26923-4.2	Gary Krasinski	VOC Ref #5	12/10/13 09:11	Return to Storage
MC26923-5.1	VOC Ref #5	Gary Krasinski	12/09/13 11:03	Retrieve from Storage
MC26923-5.1	Gary Krasinski	GCMSU	12/09/13 11:03	Load on Instrument
MC26923-5.1	GCMSU	Gary Krasinski	12/10/13 09:11	Unload from Instrument
MC26923-5.1	Gary Krasinski	VOC Ref #5	12/10/13 09:11	Return to Storage
MC26923-6.1	VOC Ref #5	Gary Krasinski	12/09/13 11:03	Retrieve from Storage
MC26923-6.1	Gary Krasinski	GCMSU	12/09/13 11:03	Load on Instrument
MC26923-6.1	GCMSU	Gary Krasinski	12/10/13 09:11	Unload from Instrument
MC26923-6.1	Gary Krasinski	VOC Ref #5	12/10/13 09:11	Return to Storage

Accutest Internal Chain of Custody

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 12/06/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC26923-7.3	VOC Ref #5	Gary Krasinski	12/09/13 11:03	Retrieve from Storage
MC26923-7.3	Gary Krasinski	GCMSU	12/09/13 11:03	Load on Instrument
MC26923-7.3	GCMSU	Gary Krasinski	12/10/13 09:11	Unload from Instrument
MC26923-7.3	Gary Krasinski	VOC Ref #5	12/10/13 09:11	Return to Storage
MC26923-8.1	Walk In Ref #5	Mohammad Adib	12/10/13 08:20	Retrieve from Storage
MC26923-8.1	Mohammad Adib	Walk In Ref #5	12/10/13 08:37	Return to Storage
MC26923-8.2	Walk In Ref #9	Mehdi Abdolrahim	12/10/13 07:25	Retrieve from Storage
MC26923-8.2	Mehdi Abdolrahim	Walk In Ref #9	12/10/13 10:45	Return to Storage
MC26923-9.1	Walk In Ref #9	Hamid Siamak	12/13/13 08:36	Retrieve from Storage
MC26923-9.1	Hamid Siamak	Walk In Ref #9	12/13/13 08:36	Return to Storage
MC26923-9.1	Walk In Ref #9	Krysten Dufort	12/13/13 15:25	Retrieve from Storage
MC26923-9.1	Krysten Dufort	Walk In Ref #9	12/13/13 15:25	Return to Storage
MC26923-10.1	Walk In Ref #9	Hamid Siamak	12/13/13 08:36	Retrieve from Storage
MC26923-10.1	Hamid Siamak	Walk In Ref #9	12/13/13 08:36	Return to Storage
MC26923-10.1	Walk In Ref #9	Krysten Dufort	12/13/13 15:25	Retrieve from Storage
MC26923-10.1	Krysten Dufort	Walk In Ref #9	12/13/13 15:25	Return to Storage
MC26923-11.1	Walk In Ref #9	Hamid Siamak	12/13/13 08:36	Retrieve from Storage
MC26923-11.1	Hamid Siamak	Walk In Ref #9	12/13/13 08:36	Return to Storage
MC26923-11.1	Walk In Ref #9	Krysten Dufort	12/13/13 15:25	Retrieve from Storage
MC26923-11.1	Krysten Dufort	Walk In Ref #9	12/13/13 15:25	Return to Storage
MC26923-12.1	Walk In Ref #9	Hamid Siamak	12/13/13 08:36	Retrieve from Storage
MC26923-12.1	Hamid Siamak	Walk In Ref #9	12/13/13 08:36	Return to Storage
MC26923-12.1	Walk In Ref #9	Krysten Dufort	12/13/13 15:25	Retrieve from Storage
MC26923-12.1	Krysten Dufort	Walk In Ref #9	12/13/13 15:25	Return to Storage
MC26923-13.1	Walk In Ref #9	Hamid Siamak	12/13/13 08:36	Retrieve from Storage
MC26923-13.1	Hamid Siamak	Walk In Ref #9	12/13/13 08:36	Return to Storage
MC26923-13.1	Walk In Ref #9	Krysten Dufort	12/13/13 15:25	Retrieve from Storage
MC26923-13.1	Krysten Dufort	Walk In Ref #9	12/13/13 15:25	Return to Storage
MC26923-14.1	Walk In Ref #9	Hamid Siamak	12/13/13 08:36	Retrieve from Storage
MC26923-14.1	Hamid Siamak	Walk In Ref #9	12/13/13 08:36	Return to Storage
MC26923-14.1	Walk In Ref #9	Krysten Dufort	12/13/13 15:25	Retrieve from Storage
MC26923-14.1	Krysten Dufort	Walk In Ref #9	12/13/13 15:25	Return to Storage
MC26923-15.1	Walk In Ref #9	Hamid Siamak	12/13/13 08:36	Retrieve from Storage
MC26923-15.1	Hamid Siamak	Walk In Ref #9	12/13/13 08:36	Return to Storage

Accutest Internal Chain of Custody

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 12/06/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC26923-15.1	Walk In Ref #9	Krysten Dufort	12/13/13 15:25	Retrieve from Storage
MC26923-15.1	Krysten Dufort	Walk In Ref #9	12/13/13 15:25	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSU797-MB	U16656.D	1	12/09/13	GK	n/a	n/a	MSU797

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26923-1, MC26923-2, MC26923-3, MC26923-4, MC26923-5, MC26923-6, MC26923-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	

Method Blank Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSU797-MB	U16656.D	1	12/09/13	GK	n/a	n/a	MSU797

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26923-1, MC26923-2, MC26923-3, MC26923-4, MC26923-5, MC26923-6, MC26923-7

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	123%	70-130%
2037-26-5	Toluene-D8	112%	70-130%
460-00-4	4-Bromofluorobenzene	107%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN3101-MB	N83095.D	1	12/10/13	JB	n/a	n/a	MSN3101

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26923-2, MC26923-3, MC26923-4

CAS No.	Compound	Result	RL	MDL	Units	Q
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	88%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	108%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2172-MB	M62166.D	1	12/14/13	KD	n/a	n/a	MSM2172

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26923-9, MC26923-10, MC26923-11, MC26923-12, MC26923-13, MC26923-14, MC26923-15

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.9	ug/kg	
71-43-2	Benzene	ND	0.50	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.36	ug/kg	
75-25-2	Bromoform	ND	2.0	0.29	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.97	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.2	ug/kg	
110-82-7	Cyclohexane	ND	5.0	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.52	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.0	0.92	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.28	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.8	ug/kg	
108-87-2	Methylcyclohexane	ND	5.0	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.8	ug/kg	

Method Blank Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2172-MB	M62166.D	1	12/14/13	KD	n/a	n/a	MSM2172

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26923-9, MC26923-10, MC26923-11, MC26923-12, MC26923-13, MC26923-14, MC26923-15

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	1.5	ug/kg	
100-42-5	Styrene	ND	5.0	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.44	ug/kg	
108-88-3	Toluene	ND	5.0	0.24	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.47	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.20	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	108%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2172-BS	M62164.D	1	12/14/13	KD	n/a	n/a	MSM2172

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26923-9, MC26923-10, MC26923-11, MC26923-12, MC26923-13, MC26923-14, MC26923-15

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	33.1	66* [a]	70-130
71-43-2	Benzene	50	46.2	92	70-130
75-27-4	Bromodichloromethane	50	52.3	105	70-130
75-25-2	Bromoform	50	68.2	136* [b]	70-130
74-83-9	Bromomethane	50	41.9	84	70-130
78-93-3	2-Butanone (MEK)	50	37.0	74	70-130
75-15-0	Carbon disulfide	50	52.6	105	70-130
56-23-5	Carbon tetrachloride	50	54.6	109	70-130
108-90-7	Chlorobenzene	50	52.1	104	70-130
75-00-3	Chloroethane	50	44.2	88	70-130
67-66-3	Chloroform	50	49.1	98	70-130
74-87-3	Chloromethane	50	42.2	84	70-130
110-82-7	Cyclohexane	50	46.4	93	70-130
96-12-8	1,2-Dibromo-3-chloropropane	50	56.3	113	70-130
124-48-1	Dibromochloromethane	50	61.6	123	70-130
106-93-4	1,2-Dibromoethane	50	53.9	108	70-130
95-50-1	1,2-Dichlorobenzene	50	56.3	113	70-130
541-73-1	1,3-Dichlorobenzene	50	53.7	107	70-130
106-46-7	1,4-Dichlorobenzene	50	54.6	109	70-130
75-71-8	Dichlorodifluoromethane	50	40.1	80	70-130
75-34-3	1,1-Dichloroethane	50	50.0	100	70-130
107-06-2	1,2-Dichloroethane	50	50.4	101	70-130
75-35-4	1,1-Dichloroethene	50	46.9	94	70-130
156-59-2	cis-1,2-Dichloroethene	50	47.7	95	70-130
156-60-5	trans-1,2-Dichloroethene	50	50.2	100	70-130
78-87-5	1,2-Dichloropropane	50	46.4	93	70-130
10061-01-5	cis-1,3-Dichloropropene	50	46.3	93	70-130
10061-02-6	trans-1,3-Dichloropropene	50	52.9	106	70-130
100-41-4	Ethylbenzene	50	52.8	106	70-130
76-13-1	Freon 113	50	51.8	104	70-130
591-78-6	2-Hexanone	50	47.8	96	70-130
98-82-8	Isopropylbenzene	50	49.6	99	70-130
79-20-9	Methyl Acetate	50	43.8	88	33-141
108-87-2	Methylcyclohexane	50	48.1	96	78-140
1634-04-4	Methyl Tert Butyl Ether	50	47.6	95	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	52.9	106	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2172-BS	M62164.D	1	12/14/13	KD	n/a	n/a	MSM2172

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26923-9, MC26923-10, MC26923-11, MC26923-12, MC26923-13, MC26923-14, MC26923-15

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
75-09-2	Methylene chloride	50	49.0	98	70-130
100-42-5	Styrene	50	55.2	110	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	60.9	122	70-130
127-18-4	Tetrachloroethene	50	49.9	100	70-130
108-88-3	Toluene	50	49.7	99	70-130
120-82-1	1,2,4-Trichlorobenzene	50	49.1	98	70-130
71-55-6	1,1,1-Trichloroethane	50	51.6	103	70-130
79-00-5	1,1,2-Trichloroethane	50	52.2	104	70-130
79-01-6	Trichloroethene	50	46.5	93	70-130
75-69-4	Trichlorofluoromethane	50	42.9	86	70-130
75-01-4	Vinyl chloride	50	33.8	68* [a]	70-130
1330-20-7	Xylene (total)	150	158	105	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	70-130%
2037-26-5	Toluene-D8	96%	70-130%
460-00-4	4-Bromofluorobenzene	99%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.
(b) Outside control limits. Associated samples are non-detect for this compound.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSU797-BS	U16653.D	1	12/09/13	GK	n/a	n/a	MSU797
MSU797-BSD	U16654.D	1	12/09/13	GK	n/a	n/a	MSU797

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26923-1, MC26923-2, MC26923-3, MC26923-4, MC26923-5, MC26923-6, MC26923-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	43.4	87	39.9	80	8	70-130/25
71-43-2	Benzene	50	56.2	112	52.3	105	7	70-130/25
75-27-4	Bromodichloromethane	50	54.6	109	50.0	100	9	70-130/25
75-25-2	Bromoform	50	49.8	100	50.3	101	1	70-130/25
74-83-9	Bromomethane	50	51.8	104	50.3	101	3	70-130/25
78-93-3	2-Butanone (MEK)	50	47.0	94	45.5	91	3	70-130/25
75-15-0	Carbon disulfide	50	51.7	103	49.1	98	5	70-130/25
56-23-5	Carbon tetrachloride	50	54.4	109	51.3	103	6	70-130/25
108-90-7	Chlorobenzene	50	54.8	110	51.3	103	7	70-130/25
75-00-3	Chloroethane	50	62.3	125	58.6	117	6	70-130/25
67-66-3	Chloroform	50	51.7	103	47.4	95	9	70-130/25
74-87-3	Chloromethane	50	67.4	135* [a]	65.4	131* [a]	3	70-130/25
110-82-7	Cyclohexane	50	56.3	113	54.1	108	4	71-145/25
96-12-8	1,2-Dibromo-3-chloropropane	50	43.9	88	42.3	85	4	70-130/25
124-48-1	Dibromochloromethane	50	53.7	107	51.1	102	5	70-130/25
106-93-4	1,2-Dibromoethane	50	54.8	110	54.1	108	1	70-130/25
95-50-1	1,2-Dichlorobenzene	50	52.5	105	49.9	100	5	70-130/25
541-73-1	1,3-Dichlorobenzene	50	54.1	108	51.8	104	4	70-130/25
106-46-7	1,4-Dichlorobenzene	50	54.6	109	52.7	105	4	70-130/25
75-71-8	Dichlorodifluoromethane	50	46.2	92	45.2	90	2	70-130/25
75-34-3	1,1-Dichloroethane	50	55.7	111	53.3	107	4	70-130/25
107-06-2	1,2-Dichloroethane	50	53.0	106	51.4	103	3	70-130/25
75-35-4	1,1-Dichloroethene	50	53.1	106	49.5	99	7	70-130/25
156-59-2	cis-1,2-Dichloroethene	50	51.6	103	52.3	105	1	70-130/25
156-60-5	trans-1,2-Dichloroethene	50	53.1	106	53.4	107	1	70-130/25
78-87-5	1,2-Dichloropropane	50	56.3	113	55.0	110	2	70-130/25
10061-01-5	cis-1,3-Dichloropropene	50	47.9	96	45.9	92	4	70-130/25
10061-02-6	trans-1,3-Dichloropropene	50	49.8	100	48.8	98	2	70-130/25
100-41-4	Ethylbenzene	50	55.1	110	51.6	103	7	70-130/25
76-13-1	Freon 113	50	52.7	105	53.1	106	1	70-130/25
591-78-6	2-Hexanone	50	53.2	106	53.8	108	1	70-130/25
98-82-8	Isopropylbenzene	50	55.5	111	51.5	103	7	70-130/25
79-20-9	Methyl Acetate	50	46.9	94	48.9	98	4	40-137/25
108-87-2	Methylcyclohexane	50	59.1	118	55.9	112	6	74-143/25
1634-04-4	Methyl Tert Butyl Ether	50	44.9	90	46.8	94	4	70-130/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	52.9	106	55.3	111	4	70-130/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSU797-BS	U16653.D	1	12/09/13	GK	n/a	n/a	MSU797
MSU797-BSD	U16654.D	1	12/09/13	GK	n/a	n/a	MSU797

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26923-1, MC26923-2, MC26923-3, MC26923-4, MC26923-5, MC26923-6, MC26923-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	50	50.9	102	50.2	100	1	70-130/25
100-42-5	Styrene	50	55.8	112	53.5	107	4	70-130/25
79-34-5	1,1,2,2-Tetrachloroethane	50	64.5	129	65.2	130	1	70-130/25
127-18-4	Tetrachloroethene	50	59.1	118	54.8	110	8	70-130/25
108-88-3	Toluene	50	53.2	106	50.8	102	5	70-130/25
120-82-1	1,2,4-Trichlorobenzene	50	57.1	114	52.2	104	9	70-130/25
71-55-6	1,1,1-Trichloroethane	50	54.5	109	52.0	104	5	70-130/25
79-00-5	1,1,2-Trichloroethane	50	54.0	108	52.6	105	3	70-130/25
79-01-6	Trichloroethene	50	50.0	100	46.9	94	6	70-130/25
75-69-4	Trichlorofluoromethane	50	51.6	103	49.8	100	4	70-130/25
75-01-4	Vinyl chloride	50	47.9	96	46.3	93	3	70-130/25
1330-20-7	Xylene (total)	150	160	107	153	102	4	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	121%	125%	70-130%
2037-26-5	Toluene-D8	114%	115%	70-130%
460-00-4	4-Bromofluorobenzene	104%	104%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN3101-BS	N83092.D	1	12/10/13	JB	n/a	n/a	MSN3101
MSN3101-BSD	N83093.D	1	12/10/13	JB	n/a	n/a	MSN3101

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26923-2, MC26923-3, MC26923-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
156-59-2	cis-1,2-Dichloroethene	50	42.2	84	43.1	86	2	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	92%	91%	70-130%
2037-26-5	Toluene-D8	100%	100%	70-130%
460-00-4	4-Bromofluorobenzene	96%	98%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC26772-3AMS	U16660.D	1	12/09/13	GK	n/a	n/a	MSU797
MC26772-3AMSD	U16661.D	1	12/09/13	GK	n/a	n/a	MSU797
MC26772-3A	U16659.D	1	12/09/13	GK	n/a	n/a	MSU797

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26923-1, MC26923-2, MC26923-3, MC26923-4, MC26923-5, MC26923-6, MC26923-7

CAS No.	Compound	MC26772-3A ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10 U		50	27.4	55* [a]	31.9	64* [a]	15	70-130/30
71-43-2	Benzene	1.0 U		50	56.0	112	53.6	107	4	70-130/30
75-27-4	Bromodichloromethane	2.0 U		50	52.3	105	51.8	104	1	70-130/30
75-25-2	Bromoform	2.0 U		50	47.3	95	46.3	93	2	70-130/30
74-83-9	Bromomethane	5.0 U		50	56.0	112	54.7	109	2	70-130/30
78-93-3	2-Butanone (MEK)	10 U		50	37.4	75	38.2	76	2	70-130/30
75-15-0	Carbon disulfide	5.0 U		50	42.9	86	40.9	82	5	70-130/30
56-23-5	Carbon tetrachloride	2.0 U		50	52.8	106	49.7	99	6	70-130/30
108-90-7	Chlorobenzene	2.0 U		50	55.7	111	52.8	106	5	70-130/30
75-00-3	Chloroethane	5.0 U		50	60.1	120	58.7	117	2	70-130/30
67-66-3	Chloroform	2.0 U		50	50.0	100	50.1	100	0	70-130/30
74-87-3	Chloromethane	5.0 U		50	67.6	135* [a]	67.2	134* [a]	1	70-130/30
110-82-7	Cyclohexane	5.0 U		50	53.2	106	50.1	100	6	60-160/30
96-12-8	1,2-Dibromo-3-chloropropane	10 U		50	42.6	85	44.6	89	5	70-130/30
124-48-1	Dibromochloromethane	2.0 U		50	50.5	101	50.1	100	1	70-130/30
106-93-4	1,2-Dibromoethane	2.0 U		50	55.2	110	53.1	106	4	70-130/30
95-50-1	1,2-Dichlorobenzene	2.0 U		50	53.1	106	52.2	104	2	70-130/30
541-73-1	1,3-Dichlorobenzene	2.0 U		50	55.5	111	53.2	106	4	70-130/30
106-46-7	1,4-Dichlorobenzene	2.0 U		50	54.8	110	54.2	108	1	70-130/30
75-71-8	Dichlorodifluoromethane	5.0 U		50	43.3	87	41.6	83	4	70-130/30
75-34-3	1,1-Dichloroethane	2.0		50	58.7	113	55.9	108	5	70-130/30
107-06-2	1,2-Dichloroethane	2.0 U		50	53.3	107	51.7	103	3	70-130/30
75-35-4	1,1-Dichloroethene	2.0 U		50	54.1	108	51.9	104	4	70-130/30
156-59-2	cis-1,2-Dichloroethene	2.0 U		50	56.1	112	52.1	104	7	70-130/30
156-60-5	trans-1,2-Dichloroethene	2.0 U		50	55.8	112	53.5	107	4	70-130/30
78-87-5	1,2-Dichloropropane	2.0 U		50	57.9	116	54.8	110	6	70-130/30
10061-01-5	cis-1,3-Dichloropropene	1.0 U		50	47.3	95	45.8	92	3	70-130/30
10061-02-6	trans-1,3-Dichloropropene	1.0 U		50	49.4	99	48.4	97	2	70-130/30
100-41-4	Ethylbenzene	2.0 U		50	54.8	110	52.2	104	5	70-130/30
76-13-1	Freon 113	5.0 U		50	50.7	101	48.0	96	5	70-130/30
591-78-6	2-Hexanone	10 U		50	43.0	86	43.1	86	0	70-130/30
98-82-8	Isopropylbenzene	5.0 U		50	54.2	108	51.6	103	5	70-130/30
79-20-9	Methyl Acetate	10 U		50	48.6	97	46.7	93	4	34-145/30
108-87-2	Methylcyclohexane	5.0 U		50	54.5	109	51.5	103	6	70-130/30
1634-04-4	Methyl Tert Butyl Ether	2.0 U		50	47.1	94	46.1	92	2	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	10 U		50	52.9	106	50.6	101	4	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC26772-3AMS	U16660.D	1	12/09/13	GK	n/a	n/a	MSU797
MC26772-3AMSD	U16661.D	1	12/09/13	GK	n/a	n/a	MSU797
MC26772-3A	U16659.D	1	12/09/13	GK	n/a	n/a	MSU797

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26923-1, MC26923-2, MC26923-3, MC26923-4, MC26923-5, MC26923-6, MC26923-7

CAS No.	Compound	MC26772-3A ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	2.0 U		50	52.9	106	51.9	104	2	70-130/30
100-42-5	Styrene	5.0 U		50	54.7	109	53.2	106	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	2.0 U		50	66.0	132* [a]	64.4	129	2	70-130/30
127-18-4	Tetrachloroethene	2.0 U		50	57.6	115	55.5	111	4	70-130/30
108-88-3	Toluene	2.0 U		50	53.7	107	51.9	104	3	70-130/30
120-82-1	1,2,4-Trichlorobenzene	5.0 U		50	50.5	101	55.0	110	9	70-130/30
71-55-6	1,1,1-Trichloroethane	5.0		50	57.8	106	56.9	104	2	70-130/30
79-00-5	1,1,2-Trichloroethane	2.0 U		50	54.0	108	53.7	107	1	70-130/30
79-01-6	Trichloroethene	2.0 U		50	49.1	98	47.6	95	3	70-130/30
75-69-4	Trichlorofluoromethane	2.0 U		50	51.2	102	49.5	99	3	70-130/30
75-01-4	Vinyl chloride	2.0 U		50	47.9	96	47.0	94	2	70-130/30
1330-20-7	Xylene (total)	2.0 U		150	160	107	155	103	3	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC26772-3A	Limits
1868-53-7	Dibromofluoromethane	126%	125%	125%	70-130%
2037-26-5	Toluene-D8	113%	112%	112%	70-130%
460-00-4	4-Bromofluorobenzene	104%	103%	107%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC26922-3MS	N83115.D	1	12/10/13	JB	n/a	n/a	MSN3101
MC26922-3MSD	N83116.D	1	12/10/13	JB	n/a	n/a	MSN3101
MC26922-3	N83106.D	1	12/10/13	JB	n/a	n/a	MSN3101

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26923-2, MC26923-3, MC26923-4

CAS No.	Compound	MC26922-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
156-59-2	cis-1,2-Dichloroethene	ND		50	43.6	87	45.6	91	4	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC26922-3	Limits
1868-53-7	Dibromofluoromethane	92%	93%	93%	70-130%
2037-26-5	Toluene-D8	99%	99%	98%	70-130%
460-00-4	4-Bromofluorobenzene	93%	94%	104%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC27002-25MS	M62178.D	1	12/14/13	KD	n/a	n/a	MSM2172
MC27002-25MSD	M62179.D	1	12/14/13	KD	n/a	n/a	MSM2172
MC27002-25	M62167.D	1	12/14/13	KD	n/a	n/a	MSM2172

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26923-9, MC26923-10, MC26923-11, MC26923-12, MC26923-13, MC26923-14, MC26923-15

CAS No.	Compound	MC27002-25 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	13 U		57.3	92.7	162* a	79.7	144* a	15	70-130/30
71-43-2	Benzene	0.65 U		57.3	51.3	90	48.3	87	6	70-130/30
75-27-4	Bromodichloromethane	2.6 U		57.3	59.5	104	51.3	93	15	70-130/30
75-25-2	Bromoform	2.6 U		57.3	65.2	114	47.6	86	31* b	70-130/30
74-83-9	Bromomethane	2.6 U		57.3	39.2	68* a	39.7	72	1	70-130/30
78-93-3	2-Butanone (MEK)	6.5 U		57.3	63.8	111	55.3	100	14	70-130/30
75-15-0	Carbon disulfide	6.5 U		57.3	64.7	113	60.5	109	7	70-130/30
56-23-5	Carbon tetrachloride	2.6 U		57.3	69.6	122	66.3	120	5	70-130/30
108-90-7	Chlorobenzene	2.6 U		57.3	54.4	95	44.2	80	21	70-130/30
75-00-3	Chloroethane	6.5 U		57.3	42.9	75	43.4	78	1	70-130/30
67-66-3	Chloroform	2.6 U		57.3	56.5	99	52.4	95	8	70-130/30
74-87-3	Chloromethane	6.5 U		57.3	40.2	70	41.8	75	4	70-130/30
110-82-7	Cyclohexane	6.5 U		57.3	56.8	99	55.1	99	3	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	6.5 U		57.3	55.7	97	43.0	78	26	70-130/30
124-48-1	Dibromochloromethane	2.6 U		57.3	65.7	115	50.0	90	27	70-130/30
106-93-4	1,2-Dibromoethane	2.6 U		57.3	56.7	99	47.3	85	18	70-130/30
95-50-1	1,2-Dichlorobenzene	2.6 U		57.3	42.6	74	31.2	56* a	31* b	70-130/30
541-73-1	1,3-Dichlorobenzene	2.6 U		57.3	45.4	79	32.7	59* a	33* b	70-130/30
106-46-7	1,4-Dichlorobenzene	2.6 U		57.3	45.1	79	32.2	58* a	33* b	70-130/30
75-71-8	Dichlorodifluoromethane	2.6 U		57.3	37.9	66* a	35.7	64* a	6	70-130/30
75-34-3	1,1-Dichloroethane	2.6 U		57.3	58.0	101	54.2	98	7	70-130/30
107-06-2	1,2-Dichloroethane	2.6 U		57.3	55.7	97	51.0	92	9	70-130/30
75-35-4	1,1-Dichloroethene	2.6 U		57.3	64.1	112	60.8	110	5	70-130/30
156-59-2	cis-1,2-Dichloroethene	2.6 U		57.3	52.6	92	48.7	88	8	70-130/30
156-60-5	trans-1,2-Dichloroethene	2.6 U		57.3	56.9	99	54.7	99	4	70-130/30
78-87-5	1,2-Dichloropropane	2.6 U		57.3	51.3	90	46.2	83	10	70-130/30
10061-01-5	cis-1,3-Dichloropropene	2.6 U		57.3	48.9	85	42.2	76	15	70-130/30
10061-02-6	trans-1,3-Dichloropropene	2.6 U		57.3	54.6	95	45.4	82	18	70-130/30
100-41-4	Ethylbenzene	2.6 U		57.3	60.3	105	49.8	90	19	70-130/30
76-13-1	Freon 113	6.5 U		57.3	70.6	123	69.1	125	2	70-130/30
591-78-6	2-Hexanone	6.5 U		57.3	56.8	99	46.4	84	20	70-130/30
98-82-8	Isopropylbenzene	6.5 U		57.3	60.7	106	45.5	82	29	70-130/30
79-20-9	Methyl Acetate	6.5 U		57.3	17.9	31	14.6	26* a	20	30-160/30
108-87-2	Methylcyclohexane	6.5 U		57.3	57.0	100	55.1	99	3	43-163/30
1634-04-4	Methyl Tert Butyl Ether	2.6 U		57.3	53.3	93	50.2	91	6	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	6.5 U		57.3	70.5	123	60.8	110	15	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC27002-25MS	M62178.D	1	12/14/13	KD	n/a	n/a	MSM2172
MC27002-25MSD	M62179.D	1	12/14/13	KD	n/a	n/a	MSM2172
MC27002-25	M62167.D	1	12/14/13	KD	n/a	n/a	MSM2172

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26923-9, MC26923-10, MC26923-11, MC26923-12, MC26923-13, MC26923-14, MC26923-15

CAS No.	Compound	MC27002-25 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	2.6 U		57.3	52.7	92	49.2	89	7	70-130/30
100-42-5	Styrene	6.5 U		57.3	11.7	20* [a]	7.2	13* [a]	48* [b]	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	2.6 U		57.3	59.4	104	43.2	78	32* [b]	70-130/30
127-18-4	Tetrachloroethene	2.6 U		57.3	58.0	101	53.7	97	8	70-130/30
108-88-3	Toluene	6.5 U		57.3	56.2	98	51.1	92	10	70-130/30
120-82-1	1,2,4-Trichlorobenzene	6.5 U		57.3	26.7	47* [a]	22.6	41* [a]	17	70-130/30
71-55-6	1,1,1-Trichloroethane	2.6 U		57.3	64.8	113	60.9	110	6	70-130/30
79-00-5	1,1,2-Trichloroethane	2.6 U		57.3	58.4	102	46.1	83	24	70-130/30
79-01-6	Trichloroethene	2.6 U		57.3	53.5	93	51.7	93	3	70-130/30
75-69-4	Trichlorofluoromethane	2.6 U		57.3	47.2	82	48.0	87	2	70-130/30
75-01-4	Vinyl chloride	2.6 U		57.3	33.6	59* [a]	33.9	61* [a]	1	70-130/30
1330-20-7	Xylene (total)	2.6 U		172	174	101	143	86	20	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC27002-25	Limits
1868-53-7	Dibromofluoromethane	111%	110%	108%	70-130%
2037-26-5	Toluene-D8	97%	96%	97%	70-130%
460-00-4	4-Bromofluorobenzene	104%	103%	102%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.
(b) High RPD due to possible matrix interference and/or sample non-homogeneity.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSM2169-BFB
Lab File ID: M62063.D
Instrument ID: GCMSM
Injection Date: 12/11/13
Injection Time: 13:55

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	31083	18.4		Pass
75	30.0 - 60.0% of mass 95	69645	41.2		Pass
95	Base peak, 100% relative abundance	168896	100.0		Pass
96	5.0 - 9.0% of mass 95	11434	6.77		Pass
173	Less than 2.0% of mass 174	994	0.59	(0.67) [a]	Pass
174	50.0 - 150.0% of mass 95	147755	87.5		Pass
175	5.0 - 9.0% of mass 174	11287	6.68	(7.64) [a]	Pass
176	95.0 - 101.0% of mass 174	142477	84.4	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	9307	5.51	(6.53) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM2169-IC2169	M62065.D	12/11/13	14:53	00:58	Initial cal 0.5
ZZZZZZ	M62065A.D	12/11/13	14:53	00:58	(unrelated sample)
ZZZZZZ	M62066A.D	12/11/13	15:23	01:28	(unrelated sample)
MSM2169-IC2169	M62066.D	12/11/13	15:23	01:28	Initial cal 5
ZZZZZZ	M62067A.D	12/11/13	15:52	01:57	(unrelated sample)
MSM2169-IC2169	M62067.D	12/11/13	15:52	01:57	Initial cal 10
MSM2169-IC2169	M62068.D	12/11/13	16:22	02:27	Initial cal 20
MSM2169-IC2169	M62070.D	12/11/13	17:21	03:26	Initial cal 100
MSM2169-IC2169	M62071.D	12/11/13	17:50	03:55	Initial cal 200
MSM2169-IC2169	M62072.D	12/11/13	18:20	04:25	Initial cal 400
MSM2169-ICC2169	M62074.D	12/11/13	19:18	05:23	Initial cal 50
MSM2169-IC2169	M62076.D	12/11/13	20:17	06:22	Initial cal 2
ZZZZZZ	M62076A.D	12/11/13	20:17	06:22	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSM2172-BFB
Lab File ID: M62162.D
Instrument ID: GCMSM
Injection Date: 12/14/13
Injection Time: 00:41

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	22002	17.9		Pass
75	30.0 - 60.0% of mass 95	51817	42.1		Pass
95	Base peak, 100% relative abundance	123061	100.0		Pass
96	5.0 - 9.0% of mass 95	7131	5.79		Pass
173	Less than 2.0% of mass 174	1274	1.04	(1.18) [a]	Pass
174	50.0 - 150.0% of mass 95	108345	88.0		Pass
175	5.0 - 9.0% of mass 174	8105	6.59	(7.48) [a]	Pass
176	95.0 - 101.0% of mass 174	107895	87.7	(99.6) [a]	Pass
177	5.0 - 9.0% of mass 176	7201	5.85	(6.67) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM2172-CC2169	M62162.D	12/14/13	00:41	00:00	Continuing cal 50
MSM2172-BS	M62164.D	12/14/13	01:40	00:59	Blank Spike
MSM2172-MB	M62166.D	12/14/13	02:40	01:59	Method Blank
MC27002-25	M62167.D	12/14/13	03:09	02:28	(used for QC only; not part of job MC26923)
MC26923-9	M62168.D	12/14/13	03:38	02:57	EPT-SB-LBA501-0102
MC26923-10	M62169.D	12/14/13	04:08	03:27	EPT-SB-LBA503-0102
MC26923-11	M62170.D	12/14/13	04:37	03:56	EPT-SB-LBA504-0102
MC26923-12	M62171.D	12/14/13	05:07	04:26	EPT-SB-LBA505-0102
MC26923-13	M62172.D	12/14/13	05:36	04:55	EPT-SB-LBA509-22
MC26923-14	M62173.D	12/14/13	06:06	05:25	EPT-SB-LBA510-14
MC26923-15	M62174.D	12/14/13	06:36	05:55	EPT-SB-511(0.8-1)
ZZZZZZ	M62175.D	12/14/13	07:05	06:24	(unrelated sample)
ZZZZZZ	M62176.D	12/14/13	07:34	06:53	(unrelated sample)
ZZZZZZ	M62177.D	12/14/13	08:03	07:22	(unrelated sample)
MC27002-25MS	M62178.D	12/14/13	08:32	07:51	Matrix Spike
MC27002-25MSD	M62179.D	12/14/13	09:02	08:21	Matrix Spike Duplicate
ZZZZZZ	M62180.D	12/14/13	09:32	08:51	(unrelated sample)
ZZZZZZ	M62181.D	12/14/13	10:01	09:20	(unrelated sample)
ZZZZZZ	M62182.D	12/14/13	10:31	09:50	(unrelated sample)
ZZZZZZ	M62183.D	12/14/13	11:01	10:20	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSN3086-BFB
Lab File ID: N82687.D
Instrument ID: GCMSN
Injection Date: 11/25/13
Injection Time: 11:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11360	21.6		Pass
75	30.0 - 60.0% of mass 95	27176	51.7		Pass
95	Base peak, 100% relative abundance	52520	100.0		Pass
96	5.0 - 9.0% of mass 95	3408	6.49		Pass
173	Less than 2.0% of mass 174	432	0.82	(0.91) [a]	Pass
174	50.0 - 150.0% of mass 95	47480	90.4		Pass
175	5.0 - 9.0% of mass 174	3196	6.09	(6.73) [a]	Pass
176	95.0 - 101.0% of mass 174	46936	89.4	(98.9) [a]	Pass
177	5.0 - 9.0% of mass 176	2804	5.34	(5.97) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSN3086-IC3086	N82689.D	11/25/13	12:33	00:56	Initial cal 0.5
ZZZZZZ	N82689B.D	11/25/13	12:33	00:56	(unrelated sample)
ZZZZZZ	N82690A.D	11/25/13	13:01	01:24	(unrelated sample)
MSN3086-IC3086	N82690.D	11/25/13	13:01	01:24	Initial cal 1
ZZZZZZ	N82691A.D	11/25/13	13:28	01:51	(unrelated sample)
MSN3086-IC3086	N82691.D	11/25/13	13:28	01:51	Initial cal 2
ZZZZZZ	N82692A.D	11/25/13	13:56	02:19	(unrelated sample)
MSN3086-IC3086	N82692.D	11/25/13	13:56	02:19	Initial cal 5
ZZZZZZ	N82693A.D	11/25/13	14:24	02:47	(unrelated sample)
MSN3086-IC3086	N82693.D	11/25/13	14:24	02:47	Initial cal 10
MSN3086-IC3086	N82694.D	11/25/13	14:51	03:14	Initial cal 25
ZZZZZZ	N82694A.D	11/25/13	14:51	03:14	(unrelated sample)
MSN3086-ICC3086	N82695.D	11/25/13	15:19	03:42	Initial cal 50
MSN3086-IC3086	N82696.D	11/25/13	15:47	04:10	Initial cal 100
MSN3086-IC3086	N82697.D	11/25/13	16:15	04:38	Initial cal 200
MSN3086-IC3086	N82698.D	11/25/13	16:43	05:06	Initial cal 400
MSN3086-ICV3086	N82701.D	11/25/13	18:06	06:29	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSN3101-BFB
Lab File ID: N83091.D
Instrument ID: GCMSN
Injection Date: 12/10/13
Injection Time: 10:49

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	13445	19.0		Pass
75	30.0 - 60.0% of mass 95	32264	45.7		Pass
95	Base peak, 100% relative abundance	70664	100.0		Pass
96	5.0 - 9.0% of mass 95	4298	6.08		Pass
173	Less than 2.0% of mass 174	487	0.69	(0.79) [a]	Pass
174	50.0 - 150.0% of mass 95	61560	87.1		Pass
175	5.0 - 9.0% of mass 174	4322	6.12	(7.02) [a]	Pass
176	95.0 - 101.0% of mass 174	61968	87.7	(100.7) [a]	Pass
177	5.0 - 9.0% of mass 176	3701	5.24	(5.97) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSN3101-CC3086	N83091.D	12/10/13	10:49	00:00	Continuing cal 50
MSN3101-BS	N83092.D	12/10/13	11:16	00:27	Blank Spike
MSN3101-BSD	N83093.D	12/10/13	11:44	00:55	Blank Spike Duplicate
MSN3101-MB	N83095.D	12/10/13	12:39	01:50	Method Blank
MC26923-2	N83096.D	12/10/13	13:07	02:18	EPT-GW-MW29-2729
MC26923-3	N83097.D	12/10/13	13:35	02:46	EPT-GW-MW29-3234
MC26923-4	N83098.D	12/10/13	14:03	03:14	EPT-GW-MW29-3739
ZZZZZZ	N83099.D	12/10/13	14:30	03:41	(unrelated sample)
ZZZZZZ	N83100.D	12/10/13	14:58	04:09	(unrelated sample)
ZZZZZZ	N83101.D	12/10/13	15:26	04:37	(unrelated sample)
ZZZZZZ	N83102.D	12/10/13	15:54	05:05	(unrelated sample)
ZZZZZZ	N83103.D	12/10/13	16:22	05:33	(unrelated sample)
ZZZZZZ	N83104.D	12/10/13	16:51	06:02	(unrelated sample)
ZZZZZZ	N83105.D	12/10/13	17:19	06:30	(unrelated sample)
MC26922-3	N83106.D	12/10/13	17:47	06:58	(used for QC only; not part of job MC26923)
ZZZZZZ	N83107.D	12/10/13	18:15	07:26	(unrelated sample)
ZZZZZZ	N83108.D	12/10/13	18:43	07:54	(unrelated sample)
ZZZZZZ	N83109.D	12/10/13	19:10	08:21	(unrelated sample)
ZZZZZZ	N83110.D	12/10/13	19:38	08:49	(unrelated sample)
ZZZZZZ	N83111.D	12/10/13	20:06	09:17	(unrelated sample)
ZZZZZZ	N83112.D	12/10/13	20:34	09:45	(unrelated sample)
ZZZZZZ	N83113.D	12/10/13	21:02	10:13	(unrelated sample)
ZZZZZZ	N83114.D	12/10/13	21:30	10:41	(unrelated sample)
MC26922-3MS	N83115.D	12/10/13	21:57	11:08	Matrix Spike

Instrument Performance Check (BFB)

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample:	MSN3101-BFB	**Injection Date:**	12/10/13
Lab File ID:	N83091.D	**Injection Time:**	10:49
Instrument ID:	GCMSN		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MC26922-3MSD	N83116.D	12/10/13	22:25	11:36	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSU756-BFB
Lab File ID: U15211.D
Instrument ID: GCMSU
Injection Date: 10/17/13
Injection Time: 13:27

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	7357	21.3		Pass
75	30.0 - 60.0% of mass 95	17032	49.4		Pass
95	Base peak, 100% relative abundance	34488	100.0		Pass
96	5.0 - 9.0% of mass 95	2156	6.25		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	27832	80.7		Pass
175	5.0 - 9.0% of mass 174	1992	5.78	(7.16) [a]	Pass
176	95.0 - 101.0% of mass 174	27752	80.5	(99.7) [a]	Pass
177	5.0 - 9.0% of mass 176	1484	4.30	(5.35) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSU756-IC756	U15212.D	10/17/13	13:55	00:28	Initial cal 0.5
MSU756-IC756	U15213.D	10/17/13	14:22	00:55	Initial cal 1
MSU756-IC756	U15214.D	10/17/13	14:50	01:23	Initial cal 2
MSU756-IC756	U15215.D	10/17/13	15:17	01:50	Initial cal 5
MSU756-IC756	U15216.D	10/17/13	15:44	02:17	Initial cal 10
MSU756-IC756	U15217.D	10/17/13	16:12	02:45	Initial cal 25
MSU756-ICC756	U15218.D	10/17/13	16:39	03:12	Initial cal 50
MSU756-IC756	U15219.D	10/17/13	17:06	03:39	Initial cal 100
MSU756-IC756	U15220.D	10/17/13	17:34	04:07	Initial cal 200
MSU756-IC756	U15221.D	10/17/13	18:02	04:35	Initial cal 400
MSU756-ICV756	U15224.D	10/17/13	19:24	05:57	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSU797-BFB
Lab File ID: U16653.D
Instrument ID: GCMSU
Injection Date: 12/09/13
Injection Time: 09:02

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	13218	22.4		Pass
75	30.0 - 60.0% of mass 95	28872	49.0		Pass
95	Base peak, 100% relative abundance	58928	100.0		Pass
96	5.0 - 9.0% of mass 95	4426	7.51		Pass
173	Less than 2.0% of mass 174	372	0.63	(0.72) [a]	Pass
174	50.0 - 150.0% of mass 95	51368	87.2		Pass
175	5.0 - 9.0% of mass 174	4243	7.20	(8.26) [a]	Pass
176	95.0 - 101.0% of mass 174	50336	85.4	(98.0) [a]	Pass
177	5.0 - 9.0% of mass 176	3313	5.62	(6.58) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSU797-CC756	U16653.D	12/09/13	09:02	00:00	Continuing cal 50
MSU797-BS	U16653.D	12/09/13	09:02	00:00	Blank Spike
MSU797-BSD	U16654.D	12/09/13	09:30	00:28	Blank Spike Duplicate
MSU797-MB	U16656.D	12/09/13	10:24	01:22	Method Blank
ZZZZZZ	U16657.D	12/09/13	10:53	01:51	(unrelated sample)
ZZZZZZ	U16658.D	12/09/13	11:20	02:18	(unrelated sample)
MC26772-3A	U16659.D	12/09/13	11:47	02:45	(used for QC only; not part of job MC26923)
MC26772-3AMS	U16660.D	12/09/13	12:14	03:12	Matrix Spike
MC26772-3AMSD	U16661.D	12/09/13	12:41	03:39	Matrix Spike Duplicate
ZZZZZZ	U16662.D	12/09/13	13:08	04:06	(unrelated sample)
ZZZZZZ	U16663.D	12/09/13	13:35	04:33	(unrelated sample)
ZZZZZZ	U16664.D	12/09/13	14:02	05:00	(unrelated sample)
ZZZZZZ	U16665.D	12/09/13	14:29	05:27	(unrelated sample)
ZZZZZZ	U16666.D	12/09/13	14:56	05:54	(unrelated sample)
ZZZZZZ	U16667.D	12/09/13	15:23	06:21	(unrelated sample)
ZZZZZZ	U16668.D	12/09/13	15:50	06:48	(unrelated sample)
MC26923-1	U16669.D	12/09/13	16:17	07:15	EPT-GW-MW29-1719
MC26923-2	U16670.D	12/09/13	16:44	07:42	EPT-GW-MW29-2729
MC26923-3	U16671.D	12/09/13	17:11	08:09	EPT-GW-MW29-3234
MC26923-4	U16672.D	12/09/13	17:38	08:36	EPT-GW-MW29-3739
MC26923-5	U16673.D	12/09/13	18:05	09:03	EPT-GW-MW29-4244
MC26923-6	U16674.D	12/09/13	18:32	09:30	EPT-GW-MW29-4749
MC26923-7	U16675.D	12/09/13	18:59	09:57	EPT-GW-MW34S-SRX
ZZZZZZ	U16676.D	12/09/13	19:25	10:23	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample:	MSU797-BFB	**Injection Date:**	12/09/13
Lab File ID:	U16653.D	**Injection Time:**	09:02
Instrument ID:	GCMSU		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	U16677.D	12/09/13	19:52	10:50	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	MSM2172-CC2169	**Injection Date:**	12/14/13
Lab File ID:	M62162.D	**Injection Time:**	00:41
Instrument ID:	GCMSM	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	325567	9.35	509875	10.23	226042	13.51	277065	16.06	112454	6.85
Upper Limit [a]	651134	9.85	1019750	10.73	452084	14.01	554130	16.56	224908	7.35
Lower Limit [b]	162784	8.85	254938	9.73	113021	13.01	138533	15.56	56227	6.35

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSM2172-BS	322986	9.35	517449	10.23	223762	13.51	278074	16.06	118323	6.84
MSM2172-MB	306885	9.35	485056	10.23	203272	13.51	253537	16.06	111612	6.84
MC27002-25	301524	9.35	475542	10.23	198032	13.51	249419	16.06	185512	6.84
MC26923-9	288822	9.35	463367	10.23	202159	13.51	258735	16.06	165827	6.84
MC26923-10	313903	9.35	496772	10.23	212143	13.51	264662	16.06	187413	6.84
MC26923-11	304521	9.35	485230	10.23	202741	13.50	261138	16.06	177987	6.84
MC26923-12	306014	9.35	483288	10.22	202949	13.50	255576	16.06	192517	6.84
MC26923-13	298875	9.35	474559	10.23	199446	13.51	252740	16.06	185837	6.84
MC26923-14	300945	9.35	468285	10.23	199965	13.51	246786	16.06	174381	6.85
MC26923-15	296576	9.35	465308	10.23	197526	13.50	255295	16.06	179267	6.84
ZZZZZZ	260503	9.34	410494	10.23	172753	13.51	206413	16.06	182825	6.84
ZZZZZZ	271660	9.35	430552	10.23	183593	13.51	225263	16.06	174531	6.84
ZZZZZZ	292281	9.35	462028	10.23	194995	13.50	244772	16.06	178654	6.84
MC27002-25MS	283728	9.35	456932	10.23	204371	13.51	245153	16.06	187122	6.84
MC27002-25MSD	297869	9.35	470978	10.23	208933	13.50	253002	16.06	191753	6.84
ZZZZZZ	300043	9.35	469969	10.23	196635	13.51	244122	16.06	108011	6.84
ZZZZZZ	55091[c]	9.35	82638[c]	10.23	35422[c]	13.51	45412[c]	16.07	36196[c]	6.84
ZZZZZZ	281267	9.34	447831	10.22	185623	13.51	237619	16.06	102888	6.84
ZZZZZZ	281673	9.35	444389	10.23	188864	13.50	237080	16.06	102695	6.84

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

Volatile Internal Standard Area Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std: MSN3101-CC3086 **Injection Date:** 12/10/13
Lab File ID: N83091.D **Injection Time:** 10:49
Instrument ID: GCMSN **Method:** SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	233427	9.21	347208	10.08	187885	13.34	153432	15.89	61796	6.77
Upper Limit [a]	466854	9.71	694416	10.58	375770	13.84	306864	16.39	123592	7.27
Lower Limit [b]	116714	8.71	173604	9.58	93943	12.84	76716	15.39	30898	6.27

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSN3101-BS	235251	9.21	348779	10.08	187391	13.34	156498	15.89	65381	6.77
MSN3101-BSD	235586	9.21	346218	10.08	185409	13.34	152785	15.89	64138	6.77
MSN3101-MB	220994	9.21	319567	10.09	163929	13.34	120610	15.90	65472	6.77
MC26923-2	217717	9.21	316067	10.09	160766	13.34	115932	15.89	51305	6.78
MC26923-3	213266	9.21	311608	10.09	157269	13.34	115915	15.89	51647	6.78
MC26923-4	217083	9.21	313304	10.08	161895	13.34	116087	15.89	60061	6.78
ZZZZZZ	214321	9.21	316605	10.09	161306	13.34	121644	15.89	81362	6.78
ZZZZZZ	210818	9.21	312554	10.09	160072	13.34	119295	15.90	87047	6.77
ZZZZZZ	212528	9.21	315226	10.09	158898	13.34	120444	15.89	84092	6.78
ZZZZZZ	208051	9.21	315868	10.09	160577	13.34	119692	15.89	84376	6.78
ZZZZZZ	208949	9.21	309293	10.09	157141	13.34	121810	15.89	72252	6.78
ZZZZZZ	207525	9.21	326795	10.09	162429	13.34	120556	15.89	77082	6.77
ZZZZZZ	211993	9.21	320842	10.09	159805	13.34	120658	15.90	81127	6.78
MC26922-3	208985	9.21	313591	10.09	161884	13.34	123402	15.89	70246	6.78
ZZZZZZ	209185	9.21	309917	10.09	159490	13.34	125093	15.89	76588	6.77
ZZZZZZ	212983	9.21	317318	10.09	161155	13.34	127080	15.89	71190	6.78
ZZZZZZ	206293	9.21	311756	10.09	159475	13.34	124262	15.89	73344	6.78
ZZZZZZ	209294	9.21	315753	10.09	159291	13.34	124909	15.89	73423	6.77
ZZZZZZ	205363	9.21	307763	10.08	156802	13.34	123453	15.90	69530	6.78
ZZZZZZ	209968	9.21	315886	10.09	160249	13.34	123581	15.89	69105	6.78
ZZZZZZ	209632	9.21	319138	10.09	160999	13.34	124359	15.89	77361	6.77
ZZZZZZ	209151	9.21	312629	10.08	159571	13.34	122370	15.89	84404	6.78
MC26922-3MS	215834	9.21	328133	10.09	172996	13.34	153941	15.89	76573	6.77
MC26922-3MSD	224345	9.21	341491	10.08	183801	13.34	157501	15.89	80992	6.77

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	MSU797-CC756	**Injection Date:**	12/09/13
Lab File ID:	U16653.D	**Injection Time:**	09:02
Instrument ID:	GCMSU	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	151058	8.97	231886	9.84	115161	13.11	114560	15.68	52546	6.55
Upper Limit [a]	302116	9.47	463772	10.34	230322	13.61	229120	16.18	105092	7.05
Lower Limit [b]	75529	8.47	115943	9.34	57581	12.61	57280	15.18	26273	6.05

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSU797-BS	151058	8.97	231886	9.84	115161	13.11	114560	15.68	52546	6.55
MSU797-BSD	151905	8.97	233842	9.84	117855	13.11	120016	15.68	56492	6.59
MSU797-MB	146678	8.97	225754	9.84	111638	13.11	109930	15.68	53370	6.55
ZZZZZZ	142876	8.97	221441	9.85	108933	13.11	106935	15.68	48582	6.57
ZZZZZZ	146402	8.97	226316	9.85	111873	13.11	108813	15.68	48180	6.56
MC26772-3A	146011	8.97	223916	9.85	111474	13.11	110058	15.68	52737	6.58
MC26772-3AMS	142835	8.97	221310	9.84	111032	13.11	111682	15.68	46921	6.55
MC26772-3AMSD	144634	8.97	226633	9.84	113688	13.11	113833	15.68	50697	6.55
ZZZZZZ	145083	8.97	225133	9.85	110561	13.11	111210	15.68	39616	6.57
ZZZZZZ	140998	8.97	217828	9.85	108250	13.11	109862	15.68	49509	6.61
ZZZZZZ	135603	8.97	203539	9.85	104405	13.11	102469	15.68	45488	6.59
ZZZZZZ	138949	8.97	209219	9.84	106518	13.11	105788	15.68	47882	6.62
ZZZZZZ	141400	8.97	216372	9.85	109349	13.11	107890	15.68	48100	6.61
ZZZZZZ	137540	8.97	206844	9.85	104274	13.12	105167	15.68	42493	6.61
ZZZZZZ	136024	8.97	207674	9.85	104098	13.11	103749	15.68	46218	6.60
MC26923-1	139975	8.97	211063	9.85	107577	13.11	107667	15.68	47850	6.59
MC26923-2	140013	8.97	215892	9.85	108011	13.11	106156	15.68	48281	6.61
MC26923-3	134224	8.97	203273	9.85	103407	13.11	101253	15.68	44173	6.60
MC26923-4	136825	8.97	210840	9.85	104433	13.11	104624	15.68	43847	6.63
MC26923-5	136735	8.97	208087	9.84	104328	13.11	104322	15.68	42660	6.66
MC26923-6	133460	8.97	208346	9.85	105670	13.11	103745	15.68	45046	6.61
MC26923-7	133739	8.97	204267	9.85	100864	13.11	101131	15.68	44410	6.62
ZZZZZZ	138299	8.97	212079	9.84	104150	13.11	110258	15.68	44163	6.63
ZZZZZZ	143732	8.97	221151	9.84	109455	13.11	111146	15.68	42021	6.66

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8260C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC26923-1	U16669.D	125.0	115.0	105.0
MC26923-2	N83096.D	88.0	100.0	109.0
MC26923-2	U16670.D	125.0	114.0	107.0
MC26923-3	N83097.D	88.0	100.0	108.0
MC26923-3	U16671.D	125.0	113.0	107.0
MC26923-4	N83098.D	90.0	101.0	109.0
MC26923-4	U16672.D	126.0	113.0	105.0
MC26923-5	U16673.D	125.0	114.0	106.0
MC26923-6	U16674.D	128.0	113.0	107.0
MC26923-7	U16675.D	124.0	114.0	105.0
MC26772-3AMS	U16660.D	126.0	113.0	104.0
MC26772-3AMSD	U16661.D	125.0	112.0	103.0
MC26922-3MS	N83115.D	92.0	99.0	93.0
MC26922-3MSD	N83116.D	93.0	99.0	94.0
MSN3101-BS	N83092.D	92.0	100.0	96.0
MSN3101-BSD	N83093.D	91.0	100.0	98.0
MSN3101-MB	N83095.D	88.0	99.0	108.0
MSU797-BS	U16653.D	121.0	114.0	104.0
MSU797-BSD	U16654.D	125.0	115.0	104.0
MSU797-MB	U16656.D	123.0	112.0	107.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Volatile Surrogate Recovery Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8260C **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC26923-9	M62168.D	107.0	99.0	106.0
MC26923-10	M62169.D	108.0	96.0	102.0
MC26923-11	M62170.D	109.0	94.0	100.0
MC26923-12	M62171.D	110.0	96.0	103.0
MC26923-13	M62172.D	110.0	98.0	102.0
MC26923-14	M62173.D	108.0	97.0	103.0
MC26923-15	M62174.D	108.0	99.0	100.0
MC27002-25MS	M62178.D	111.0	97.0	104.0
MC27002-25MSD	M62179.D	110.0	96.0	103.0
MSM2172-BS	M62164.D	103.0	96.0	99.0
MSM2172-MB	M62166.D	108.0	97.0	101.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC26923 **Sample:** MSM2169-ICC2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62074.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report GCMS M

Method : C:\msdchem\1\methods\M131211S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Calibration Files
.5 =m62065.D 20 =m62068.D 2 =m62076.D 5 =m62066.D
10 =m62067.D 50 =m62074.D 100 =m62070.D 200 =m62071.D
400 =m62072.D =

Compound	.5	20	2	5	10	50	100	200	400	Avg	%RSD
1) I tert butyl alcohol-d9 ----------ISTD----------											
2) tertiary butyl alcohol	1.830	1.327	1.592	1.873	1.603	2.040	1.629	1.767		1.708	12.74
3) Ethanol	0.140	0.114	0.131	0.122	0.116	0.133	0.130	0.140		0.128	7.86
4) I pentafluorobenzene ----------ISTD----------											
5) dichlorodifluoromethane	0.428	0.503	0.525	0.427	0.427	0.491	0.454	0.542		0.475	9.87
6) chloromethane	0.688	0.772	0.843	0.719	0.658	0.692	0.679	0.745		0.725	8.37
7) vinyl chloride	0.671	0.723	0.747	0.730	0.661	0.677	0.671	0.719		0.700	4.74
8) bromomethane	0.440	0.590	0.497	0.485	0.404	0.409	0.411	0.449		0.461	13.60
9) chloroethane	0.354		0.292	0.370	0.321	0.337	0.335	0.369		0.340	8.23
10) ethyl ether	0.417	0.367	0.421	0.421	0.358	0.434	0.354	0.371		0.393	8.48
11) acetonitrile	0.133		0.130	0.125	0.109	0.127	0.128	0.129		0.126	6.36
12) trichlorofluoromethane	0.851	0.660	0.877	0.830	0.769	0.832	0.802	0.859		0.810	8.57
13) freon-113	0.465	0.322	0.423	0.459	0.396	0.433	0.326	0.299		0.391	16.82
14) acrolein	0.113	0.108	0.116	0.117	0.102	0.117	0.114	0.124		0.114	5.77
15) 1,1-dichloroethene	0.437	0.665	0.503	0.478	0.402	0.472	0.397	0.376		0.466	19.68
16) acetone	0.084			0.103	0.080	0.099	0.101	0.096		0.094#	10.38
17) Methyl Acetate	0.580	0.374	0.525	0.584	0.562	0.751	0.640	0.686		0.588	19.23
18) methylene chloride	0.542	0.509	0.633	0.569	0.452	0.517	0.429	0.437		0.511	13.80
19) methyl tert butyl ether	1.091	1.072	1.158	1.132	0.943	1.136	0.944	0.993		1.059	8.24
20) acrylonitrile	0.223		0.196	0.230	0.212	0.274	0.231	0.249		0.231	10.99
21) allyl chloride	1.030	0.804	1.046	1.068	0.832	0.963	0.792	0.794		0.916	13.39
22) trans-1,2-dichloroethene	0.529	0.583	0.588	0.603	0.466	0.522	0.435	0.428		0.519	13.46
23) iodomethane											

Initial Calibration Summary

Job Number: MC26923 **Sample:** MSM2169-ICC2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62074.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                0.957 0.795 0.960 0.979 0.833 0.950 0.797 0.803   0.884    9.48
24)  carbon disulfide
                1.448 1.195 1.605 1.578 1.212 1.375 1.143 1.120   1.334   14.55
25)  propionitrile
                0.082       0.064 0.067 0.069 0.097 0.081 0.088   0.078   15.48
26)  vinyl acetate
                1.139 0.707 1.049 1.080 1.042 1.342 1.146 1.241   1.093   17.01
27)  chloroprene
                0.916 0.759 0.923 0.938 0.753 0.864 0.730 0.718   0.825   11.42
28)  di-isopropyl ether
                2.141 1.890 2.258 2.249 1.819 2.165 1.812 1.892   2.028    9.52
29)  methacrylonitrile
                0.347       0.375 0.354 0.302 0.403 0.341 0.370   0.356    8.92
30)  2-butanone
                0.080       0.054 0.071 0.068 0.092 0.089 0.094   0.078#  18.56
31)  1,1-dichloroethane
                0.992 0.864 0.998 1.006 0.829 0.948 0.792 0.803   0.904   10.15
32)  tert-butyl ethyl ether
                1.372 1.102 1.396 1.387 1.168 1.388 1.149 1.203   1.271    9.94
33)  isobutyl alcohol
                0.066       0.066 0.069 0.047 0.052 0.047 0.045   0.056   19.12
34)  2,2-dichloropropane
                0.568 0.544 0.631 0.607 0.494 0.543 0.440 0.438   0.533   13.41
35)  cis-1,2-dichloroethene
                0.633 0.681 0.691 0.659 0.531 0.602 0.501 0.512   0.601   12.81
36)  ethyl acetate
                0.420       0.437 0.450 0.318 0.354 0.302 0.310   0.370   17.25
37)  bromochloromethane
                0.343 0.371 0.355 0.357 0.290 0.343 0.289 0.303   0.331    9.72
38)  chloroform
                0.950 0.868 0.999 0.987 0.799 0.928 0.772 0.794   0.887   10.27
39)  dibromofluoromethane (s)
                0.640 0.648 0.693 0.671 0.538 0.347 0.460 0.393   0.549   24.53
             ---- Linear regression ----  Coefficient =  0.9905
               Response Ratio = 0.05570 + 0.39431 *A

40)  Tetrahydrofuran
                0.241       0.258 0.259 0.177 0.233 0.192 0.210   0.224   14.32
41)  1,1,1-trichloroethane
                0.790 0.733 0.823 0.813 0.661 0.728 0.599 0.607   0.719   12.33

42) I   1,4-difluorobenzene   ----------------ISTD---------------------
43)  Cyclohexane
                0.631 0.560 0.700 0.665 0.534 0.593 0.479 0.463   0.578   14.74
44)  carbon tetrachloride
                0.503 0.454 0.507 0.521 0.423 0.476 0.396 0.394   0.459   10.98
45)  1,1-dichloropropene
                0.438 0.410 0.451 0.454 0.357 0.403 0.346 0.345   0.401   11.50
46)  benzene
             1.895 1.349 1.240 1.398 1.419 1.121 1.289 1.096 1.108   1.324   18.68
47)  1,2-dichloroethane
                0.425 0.414 0.487 0.459 0.365 0.434 0.367 0.381   0.417   10.57
48)  tert-amyl methyl ether
                0.630 0.610 0.694 0.661 0.564 0.646 0.538 0.566   0.614    8.81
49)  heptane
                0.707 0.705 0.720 0.723 0.575 0.664 0.550 0.542   0.648   12.22
50)  trichloroethene
             0.535 0.397 0.334 0.427 0.408 0.324 0.374 0.317 0.324   0.382   18.42
51)  1,2-dichloropropane
                0.385 0.360 0.408 0.409 0.326 0.383 0.322 0.338   0.366    9.55
```

Initial Calibration Summary

Job Number: MC26923 **Sample:** MSM2169-ICC2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62074.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

52) dibromomethane
0.219 0.220 0.233 0.236 0.189 0.231 0.192 0.205 0.216 8.53
53) bromodichloromethane
0.457 0.406 0.482 0.479 0.397 0.464 0.389 0.409 0.435 8.88
54) Methylcyclohexane
0.588 0.509 0.628 0.624 0.501 0.566 0.467 0.460 0.543 12.45
55) 2-chloroethyl vinyl ether
0.096 0.099 0.101 0.085 0.108 0.087 0.094 0.096 8.31
56) methyl methacrylate
0.203 0.211 0.215 0.215 0.184 0.236 0.203 0.223 0.211 7.21
57) 1,4-dioxane
0.003 0.001 0.003 0.003 0.004 0.003 0.003 0.003# 24.90
---- Linear regression ---- Coefficient = 0.9950
Response Ratio = -0.00162 + 0.00346 *A

58) cis-1,3-dichloropropene
0.547 0.492 0.566 0.567 0.474 0.566 0.478 0.512 0.525 7.77
59) toluene-d8 (s)
1.443 1.326 1.507 1.499 1.149 0.714 1.273 23.98
---- Quadratic regression ---- Coefficient = 0.9999
Response Ratio = -0.00424 + 1.60555 *A + -0.49458 *A^2

60) 4-methyl-2-pentanone
0.411 0.414 0.439 0.417 0.351 0.466 0.385 0.408 0.411 8.30
61) toluene
0.892 0.785 0.916 0.933 0.755 0.872 0.743 0.762 0.832 9.47
62) trans-1,3-dichloropropene
0.437 0.377 0.445 0.457 0.386 0.479 0.406 0.439 0.428 8.28
63) 1,1,2-trichloroethane
0.255 0.209 0.267 0.267 0.221 0.264 0.224 0.240 0.243 9.48
64) ethyl methacrylate
0.401 0.313 0.380 0.407 0.350 0.451 0.388 0.420 0.389 10.94

65) I chlorobenzene-d5 ----------ISTD----------
66) tetrachloroethene
1.205 1.007 0.874 1.055 1.063 0.827 0.901 0.725 0.651 0.923 19.11
67) 1,3-dichloropropane
1.119 1.029 1.168 1.175 0.945 1.099 0.893 0.834 1.033 12.53
68) dibromochloromethane
1.013 0.968 1.055 1.046 0.875 1.014 0.806 0.761 0.942 12.05
69) 1,2-dibromoethane
0.780 0.758 0.831 0.832 0.681 0.791 0.633 0.599 0.738 12.12
70) 2-hexanone
0.726 1.035 0.998 0.832 0.621 0.833 0.724 0.644 0.802 19.10
71) chlorobenzene
2.756 2.457 2.844 2.917 2.289 2.554 2.063 1.891 2.471 15.00
72) 1,1,1,2-tetrachloroethane
0.995 0.889 1.002 1.029 0.829 0.944 0.752 0.703 0.893 13.62
73) ethylbenzene
4.044 3.733 4.300 4.276 3.360 3.726 2.999 2.734 3.647 15.82
74) m,p-xylene
1.744 1.537 1.795 1.825 1.448 1.611 1.285 1.172 1.552 15.41
75) o-xylene
1.745 1.497 1.794 1.859 1.470 1.649 1.308 1.202 1.566 15.07
76) styrene
2.785 2.437 2.885 2.911 2.338 2.573 2.082 1.928 2.493 14.67
77) bromoform
0.660 0.618 0.677 0.691 0.571 0.706 0.552 0.533 0.626 10.75
78) trans-1,4-dichloro-2-butene
0.307 0.335 0.329 0.262 0.350 0.269 0.258 0.301 12.73

Initial Calibration Summary

Job Number: MC26923 **Sample:** MSM2169-ICC2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62074.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
79) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
80)  isopropylbenzene
                3.919 3.275 3.989 4.081 3.295 3.811 3.194 3.289   3.606   10.43
81)  bromofluorobenzene (s)
                1.088 1.075 1.154 1.168 0.938 0.600 0.803 0.704   0.941   23.01
             ---- Linear regression ----  Coefficient =  0.9917
               Response Ratio = 0.08017 + 0.70499 *A

82)  bromobenzene
                1.002 0.944 1.061 1.054 0.866 1.015 0.850 0.890   0.960    8.82
83)  1,1,2,2-tetrachloroethane
                0.847 0.742 0.902 0.900 0.747 0.995 0.785 0.834   0.844   10.28
84)  1,2,3-trichloropropane
                0.916 0.810 0.903 0.937 0.811 1.060 0.865 0.933   0.904    8.90
85)  n-propylbenzene
                4.285 3.600 4.365 4.471 3.621 4.204 3.530 3.601   3.960   10.23
86)  2-chlorotoluene
                2.609 2.249 2.686 2.755 2.182 2.567 2.131 2.207   2.423   10.53
87)  4-chlorotoluene
                2.587 2.042 2.691 2.727 2.168 2.560 2.140 2.209   2.391   11.60
88)  1,3,5-trimethylbenzene
                3.268 2.811 3.306 3.325 2.731 3.227 2.691 2.815   3.022    9.33
89)  tert-butylbenzene
                1.764 1.511 1.825 1.830 1.476 1.757 1.445 1.487   1.637   10.43
90)  1,2,4-trimethylbenzene
                3.187 2.856 3.278 3.268 2.690 3.193 2.665 2.779   2.990    8.92
91)  sec-butylbenzene
                4.452 3.769 4.572 4.585 3.712 4.423 3.655 3.766   4.117   10.28
92)  1,3-dichlorobenzene
                2.050 1.828 2.115 2.193 1.742 2.089 1.723 1.792   1.941    9.72
93)  p-isopropyltoluene
                3.810 3.258 3.977 4.009 3.200 3.850 3.204 3.319   3.578   10.16
94)  1,4-dichlorobenzene
                2.095 1.962 2.205 2.247 1.751 2.116 1.733 1.784   1.987   10.52
95)  1,2-dichlorobenzene
                2.030 1.771 2.105 2.150 1.756 2.137 1.732 1.783   1.933    9.74
96)  n-butylbenzene
                3.259 2.774 3.332 3.362 2.692 3.264 2.683 2.720   3.011   10.52
97)  1,2-dibromo-3-chloropropane
                0.181       0.220 0.191 0.150 0.211 0.163 0.173   0.184   13.66
98)  1,3,5-trichlorobenzene
                1.464 1.290 1.582 1.600 1.233 1.575 1.257 1.297   1.412   11.28
99)  1,2,4-trichlorobenzene
                1.392 1.293 1.437 1.494 1.185 1.527 1.211 1.251   1.349    9.75
100)  hexachlorobutadiene
                0.668 0.628 0.714 0.693 0.547 0.695 0.544 0.547   0.630   11.69
101)  naphthalene
                3.757 4.044 3.847 4.024 3.275 4.391 3.452 3.643   3.804    9.34
102)  1,2,3-trichlorobenzene
                1.338 1.343 1.403 1.409 1.157 1.500 1.180 1.209   1.317    9.36
103)  2-methylnaphthalene
                2.197       1.874 2.276 1.931 2.566 2.049 2.130   2.146   10.85
104)  1-methylnaphthalene
                0.690       1.033 0.751 0.549 0.696 0.558 0.567   0.692 E1   24.59
             ---- Linear regression ----  Coefficient =  0.9965
               Response Ratio = 0.32089 + 5.59966 *A

---------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###
```

Initial Calibration Summary

Job Number: MC26923 **Sample:** MSM2169-ICC2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62074.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

M131211S.M Thu Dec 12 11:13:47 2013

Initial Calibration Verification

Job Number: MC26923 **Sample:** MSM2169-ICV2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62084.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M131212S\m62084.D Vial: 4
Acq On : 12 Dec 2013 10:00 am Operator: krystend
Sample : cc2169-50 Inst : GCMS M
Misc : MS30736,MSM2169,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M131211S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Dec 12 09:23:12 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	88	0.00	6.84
2	P	tertiary butyl alcohol	1.708	2.110	-23.5#	116	0.00	6.92
3	P	Ethanol	0.128	0.142	-10.9	108	0.00	5.64
4	I	pentafluorobenzene	1.000	1.000	0.0	97	0.00	9.35
5	P	dichlorodifluoromethane	0.475	0.399	16.0	90	0.02	4.45
6	P	chloromethane	0.725	0.756	-4.3	111	0.01	4.71
7	P	vinyl chloride	0.700	0.594	15.1	87	0.02	4.98
8	P	bromomethane	0.461	0.437	5.2	105	0.01	5.50
9	P	chloroethane	0.340	0.353	-3.8	106	0.00	5.67
10	P	ethyl ether	0.393	0.486	-23.7#	132	0.00	6.58
11	P	acetonitrile	0.126	0.131	-4.0	117	0.00	6.57
12	P	trichlorofluoromethane	0.810	0.789	2.6	99	0.00	6.34
13	P	freon-113	0.391	0.500	-27.9#	122	0.00	7.15
14	P	acrolein	0.114	0.017#	85.1#	16#	0.03	6.36
15	P	1,1-dichloroethene	0.466	0.579	-24.2#	139	0.00	6.94
16	P	acetone	0.094	0.108	-14.9	131	0.00	6.47
17	P	Methyl Acetate	0.588	0.608	-3.4	105	0.00	7.13
18	P	methylene chloride	0.511	0.624	-22.1#	133	0.00	7.10
19	P	methyl tert butyl ether	1.059	1.181	-11.5	121	0.00	7.91
20	P	acrylonitrile	0.231	0.456	-97.4#	209#	-0.01	7.00
21	P	allyl chloride	0.916	1.090	-19.0	127	0.00	7.19
22	P	trans-1,2-dichloroethene	0.519	0.616	-18.7	128	0.00	7.81
23	P	iodomethane	0.884	1.098	-24.2#	128	0.00	7.00
24	P	carbon disulfide	1.334	1.594	-19.5	127	0.00	7.39
25	P	propionitrile	0.078	0.087	-11.5	122	0.00	8.16
26	P	vinyl acetate	1.093	1.115	-2.0	104	0.00	8.17
27	P	chloroprene	0.825	1.024	-24.1#	132	0.00	8.44
28	P	di-isopropyl ether	2.028	2.246	-10.7	120	0.00	8.48
29	P	methacrylonitrile	0.356	0.389	-9.3	125	0.00	8.60
30	P	2-butanone	0.078	0.103	-32.1#	146	0.00	8.49
31	P	1,1-dichloroethane	0.904	1.075	-18.9	126	0.00	8.07
32	P	tert-butyl ethyl ether	1.271	1.493	-17.5	124	0.00	8.88
33	P	isobutyl alcohol	0.056	0.053	5.4	110	0.00	8.88
34	P	2,2-dichloropropane	0.533	0.628	-17.8	123	0.00	8.94
35	P	cis-1,2-dichloroethene	0.601	0.679	-13.0	124	0.00	8.65
36	P	ethyl acetate	0.370	0.354	4.3	108	0.00	8.88
37	P	bromochloromethane	0.331	0.382	-15.4	127	0.00	8.82
38	P	chloroform	0.887	1.002	-13.0	121	0.00	8.86
		----------	Amount	Calc.	%Drift	----------		
39	S	dibromofluoromethane (s)	45.000	52.242	-16.1	93	0.00	8.99

Initial Calibration Verification

Job Number: MC26923 **Sample:** MSM2169-ICV2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62084.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			AvgRF	CCRF	%Dev			
40	P	Tetrahydrofuran	0.224	0.226	-0.9	123	0.00	9.19
41	P	1,1,1-trichloroethane	0.719	0.823	-14.5	121	0.00	9.62
42	I	1,4-difluorobenzene	1.000	1.000	0.0	95	0.00	10.23
43	P	Cyclohexane	0.578	0.666	-15.2	119	0.00	9.91
44	P	carbon tetrachloride	0.459	0.547	-19.2	123	0.00	10.00
45	P	1,1-dichloropropene	0.401	0.470	-17.2	125	0.00	9.80
46	P	benzene	1.324	1.465	-10.6	124	0.00	10.03
47	P	1,2-dichloroethane	0.417	0.473	-13.4	123	0.00	9.52
48	P	tert-amyl methyl ether	0.614	0.717	-16.8	121	0.00	10.14
49	P	heptane	0.648	0.699	-7.9	116	0.00	10.51
50	P	trichloroethene	0.382	0.416	-8.9	122	0.00	10.66
51	P	1,2-dichloropropane	0.366	0.413	-12.8	120	0.00	10.62
52	P	dibromomethane	0.216	0.248	-14.8	125	0.00	10.60
53	P	bromodichloromethane	0.435	0.505	-16.1	121	0.00	10.71
54	P	Methylcyclohexane	0.543	0.657	-21.0#	125	0.00	11.17
55	P	2-chloroethyl vinyl ether	0.096	0.114	-18.8	127	0.00	11.08
56	P	methyl methacrylate	0.211	0.236	-11.8	122	0.00	10.80
			Amount	Calc.	%Drift			
57	P	1,4-dioxane	250.000	273.767	-9.5	115	0.00	10.80
			AvgRF	CCRF	%Dev			
58	P	cis-1,3-dichloropropene	0.525	0.584	-11.2	117	0.00	11.33
			Amount	Calc.	%Drift			
59	S	toluene-d8 (s)	45.000	49.920	-10.9	102	0.00	12.04
			AvgRF	CCRF	%Dev			
60	P	4-methyl-2-pentanone	0.411	0.460	-11.9	125	0.00	11.42
61	P	toluene	0.832	0.973	-16.9	122	0.00	12.11
62	P	trans-1,3-dichloropropene	0.428	0.528	-23.4#	130	0.00	11.75
63	P	1,1,2-trichloroethane	0.243	0.280	-15.2	120	0.00	11.92
64	P	ethyl methacrylate	0.389	0.445	-14.4	121	0.00	12.12
65	I	chlorobenzene-d5	1.000	1.000	0.0	96	0.00	13.51
66	P	tetrachloroethene	0.923	1.051	-13.9	122	0.00	12.85
67	P	1,3-dichloropropane	1.033	1.222	-18.3	124	0.00	12.16
68	P	dibromochloromethane	0.942	1.130	-20.0	124	0.00	12.45
69	P	1,2-dibromoethane	0.738	0.868	-17.6	122	0.00	12.71
70	P	2-hexanone	0.802	1.082	-34.9#	167	0.00	12.28
71	P	chlorobenzene	2.471	2.805	-13.5	117	0.00	13.54
72	P	1,1,1,2-tetrachloroethane	0.893	1.085	-21.5#	125	0.00	13.46
73	P	ethylbenzene	3.647	4.238	-16.2	121	0.00	13.71
74	P	m,p-xylene	1.552	1.811	-16.7	120	0.00	13.90
75	P	o-xylene	1.566	1.807	-15.4	118	0.00	14.31
76	P	styrene	2.493	2.989	-19.9	122	0.00	14.23
77	P	bromoform	0.626	0.751	-20.0	126	0.00	14.06
78	P	trans-1,4-dichloro-2-bute	0.301	0.354	-17.6	129	0.00	14.45
79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	99	0.00	16.06
80	P	isopropylbenzene	3.606	3.897	-8.1	117	0.00	14.67
			Amount	Calc.	%Drift			
81	S	bromofluorobenzene (s)	45.000	51.683	-14.9	95	0.00	14.73
			AvgRF	CCRF	%Dev			
82	P	bromobenzene	0.960	1.081	-12.6	123	0.00	14.97

Initial Calibration Verification

Job Number: MC26923 **Sample:** MSM2169-ICV2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62084.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

83	P	1,1,2,2-tetrachloroethane	0.844	0.979	-16.0	129	0.00	14.31
84	P	1,2,3-trichloropropane	0.904	1.025	-13.4	125	0.00	14.46
85	P	n-propylbenzene	3.960	4.128	-4.2	112	0.00	15.12
86	P	2-chlorotoluene	2.423	2.577	-6.4	117	0.00	15.24
87	P	4-chlorotoluene	2.391	2.669	-11.6	121	0.00	15.31
88	P	1,3,5-trimethylbenzene	3.022	3.298	-9.1	119	0.00	15.39
89	P	tert-butylbenzene	1.637	1.727	-5.5	115	0.00	15.70
90	P	1,2,4-trimethylbenzene	2.990	3.254	-8.8	119	0.00	15.80
91	P	sec-butylbenzene	4.117	4.440	-7.8	118	0.00	15.92
92	P	1,3-dichlorobenzene	1.941	2.184	-12.5	124	0.00	16.03
93	P	p-isopropyltoluene	3.578	3.977	-11.2	123	0.00	16.09
94	P	1,4-dichlorobenzene	1.987	2.282	-14.8	129	0.00	16.10
95	P	1,2-dichlorobenzene	1.933	2.168	-12.2	122	0.00	16.46
96	P	n-butylbenzene	3.011	3.363	-11.7	123	0.00	16.51
97	P	1,2-dibromo-3-chloropropa	0.184	0.189	-2.7	124	0.00	16.94
98	P	1,3,5-trichlorobenzene	1.412	1.608	-13.9	129	0.00	17.75
99	P	1,2,4-trichlorobenzene	1.349	1.573	-16.6	131	0.00	18.30
100	P	hexachlorobutadiene	0.630	0.710	-12.7	128	0.00	18.59
101	P	naphthalene	3.804	4.166	-9.5	125	0.00	18.57
102	P	1,2,3-trichlorobenzene	1.317	1.495	-13.5	128	0.00	18.78
103	P	2-methylnaphthalene	2.146	2.377	-10.8	121	0.00	19.97
			Amount	Calc.	%Drift			
104	P	1-methylnaphthalene	25.000	27.233	-8.9	121	0.00	20.22

(#) = Out of Range SPCC's out = 1 CCC's out = 0
m62074.D M131211S.M Thu Dec 12 11:16:25 2013

Continuing Calibration Summary

Job Number: MC26923 **Sample:** MSM2172-CC2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62162.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M131213S\m62162.D Vial: 28
Acq On : 14 Dec 2013 12:41 am Operator: krystend
Sample : cc2169-50 Inst : GCMS M
Misc : MS30775,MSM2172,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M131211S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Dec 12 09:23:12 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	78	0.01	6.85
2	P	tertiary butyl alcohol	1.708	2.108	-23.4#	103	0.00	6.93
3	P	Ethanol	0.128	0.120	6.3	81	0.02	5.67
4	I	pentafluorobenzene	1.000	1.000	0.0	79	0.00	9.35
5	P	dichlorodifluoromethane	0.475	0.431	9.3	79	0.01	4.44
6	P	chloromethane	0.725	0.590	18.6	70	0.00	4.71
7	P	vinyl chloride	0.700	0.598	14.6	71	0.01	4.97
8	P	bromomethane	0.461	0.395	14.3	77	0.01	5.50
9	P	chloroethane	0.340	0.310	8.8	76	0.00	5.67
10	P	ethyl ether	0.393	0.412	-4.8	90	0.00	6.58
11	P	acetonitrile	0.126	0.126	0.0	91	0.01	6.59
12	P	trichlorofluoromethane	0.810	0.848	-4.7	87	0.00	6.34
13	P	freon-113	0.391	0.432	-10.5	86	0.00	7.15
14	P	acrolein	0.114	0.099	13.2	76	0.00	6.34
15	P	1,1-dichloroethene	0.466	0.471	-1.1	92	0.00	6.95
16	P	acetone	0.094	0.058#	38.3#	57	0.08	6.56
17	P	Methyl Acetate	0.588	0.738	-25.5#	103	0.00	7.13
18	P	methylene chloride	0.511	0.545	-6.7	95	0.00	7.11
19	P	methyl tert butyl ether	1.059	1.142	-7.8	95	0.00	7.91
20	P	acrylonitrile	0.231	0.256	-10.8	95	0.00	7.01
21	P	allyl chloride	0.916	0.892	2.6	84	0.00	7.20
22	P	trans-1,2-dichloroethene	0.519	0.516	0.6	87	0.00	7.82
23	P	iodomethane	0.884	0.967	-9.4	91	0.00	7.01
24	P	carbon disulfide	1.334	1.282	3.9	83	0.00	7.39
25	P	propionitrile	0.078	0.086	-10.3	98	0.00	8.16
26	P	vinyl acetate	1.093	0.850	22.2#	64	0.00	8.18
27	P	chloroprene	0.825	0.881	-6.8	92	0.00	8.45
28	P	di-isopropyl ether	2.028	2.147	-5.9	93	0.00	8.48
29	P	methacrylonitrile	0.356	0.379	-6.5	99	0.00	8.60
30	P	2-butanone	0.078	0.068#	12.8	78	0.00	8.50
31	P	1,1-dichloroethane	0.904	0.966	-6.9	92	0.00	8.07
32	P	tert-butyl ethyl ether	1.271	1.406	-10.6	95	0.00	8.88
33	P	isobutyl alcohol	0.056	0.057	-1.8	96	0.00	8.88
34	P	2,2-dichloropropane	0.533	0.540	-1.3	86	0.00	8.95
35	P	cis-1,2-dichloroethene	0.601	0.618	-2.8	91	0.00	8.65
36	P	ethyl acetate	0.370	0.363	1.9	90	0.00	8.88
37	P	bromochloromethane	0.331	0.367	-10.9	99	0.00	8.82
38	P	chloroform	0.887	1.002	-13.0	99	0.00	8.86
		----------	Amount	Calc.	%Drift	----------		
39	S	dibromofluoromethane (s)	45.000	52.330	-16.3	76	0.00	8.99

Continuing Calibration Summary

Job Number: MC26923 **Sample:** MSM2172-CC2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62162.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			AvgRF	CCRF	%Dev			
40	P	Tetrahydrofuran	0.224	0.205	8.5	91	0.00	9.19
41	P	1,1,1-trichloroethane	0.719	0.812	-12.9	97	0.00	9.63
42	I	1,4-difluorobenzene	1.000	1.000	0.0	76	0.00	10.23
43	P	Cyclohexane	0.578	0.603	-4.3	85	0.00	9.91
44	P	carbon tetrachloride	0.459	0.556	-21.1#	99	0.00	10.00
45	P	1,1-dichloropropene	0.401	0.431	-7.5	91	0.00	9.80
46	P	benzene	1.324	1.349	-1.9	91	0.00	10.03
47	P	1,2-dichloroethane	0.417	0.488	-17.0	101	0.00	9.52
48	P	tert-amyl methyl ether	0.614	0.694	-13.0	93	0.00	10.14
49	P	heptane	0.648	0.649	-0.2	85	0.00	10.51
50	P	trichloroethene	0.382	0.407	-6.5	95	0.00	10.66
51	P	1,2-dichloropropane	0.366	0.401	-9.6	93	0.00	10.62
52	P	dibromomethane	0.216	0.248	-14.8	99	0.00	10.60
53	P	bromodichloromethane	0.435	0.521	-19.8	99	0.00	10.71
54	P	Methylcyclohexane	0.543	0.580	-6.8	88	0.00	11.18
55	P	2-chloroethyl vinyl ether	0.096	0.100	-4.2	89	0.00	11.08
56	P	methyl methacrylate	0.211	0.251	-19.0	103	0.00	10.80
			Amount	Calc.	%Drift			
57	P	1,4-dioxane	250.000	299.403	-19.8	101	0.00	10.80
			AvgRF	CCRF	%Dev			
58	P	cis-1,3-dichloropropene	0.525	0.583	-11.0	93	0.00	11.33
			Amount	Calc.	%Drift			
59	S	toluene-d8 (s)	45.000	49.369	-9.7	80	0.00	12.04
			AvgRF	CCRF	%Dev			
60	P	4-methyl-2-pentanone	0.411	0.465	-13.1	100	0.00	11.42
61	P	toluene	0.832	0.949	-14.1	95	0.00	12.11
62	P	trans-1,3-dichloropropene	0.428	0.496	-15.9	97	0.00	11.75
63	P	1,1,2-trichloroethane	0.243	0.277	-14.0	95	0.00	11.92
64	P	ethyl methacrylate	0.389	0.426	-9.5	92	0.00	12.12
65	I	chlorobenzene-d5	1.000	1.000	0.0	77	0.00	13.51
66	P	tetrachloroethene	0.923	1.055	-14.3	98	0.00	12.85
67	P	1,3-dichloropropane	1.033	1.198	-16.0	97	0.00	12.16
68	P	dibromochloromethane	0.942	1.192	-26.5#	105	0.00	12.45
69	P	1,2-dibromoethane	0.738	0.882	-19.5	100	0.00	12.71
70	P	2-hexanone	0.802	0.695	13.3	86	0.00	12.28
71	P	chlorobenzene	2.471	2.934	-18.7	99	0.00	13.54
72	P	1,1,1,2-tetrachloroethane	0.893	1.144	-28.1#	106	0.00	13.46
73	P	ethylbenzene	3.647	4.204	-15.3	96	0.00	13.71
74	P	m,p-xylene	1.552	1.811	-16.7	96	0.00	13.90
75	P	o-xylene	1.566	1.856	-18.5	97	0.00	14.31
76	P	styrene	2.493	2.974	-19.3	98	0.00	14.23
77	P	bromoform	0.626	0.819	-30.8#	110	0.00	14.06
78	P	trans-1,4-dichloro-2-bute	0.301	0.338	-12.3	99	0.00	14.45
79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	82	0.00	16.06
80	P	isopropylbenzene	3.606	3.946	-9.4	98	0.00	14.67
			Amount	Calc.	%Drift			
81	S	bromofluorobenzene (s)	45.000	50.978	-13.3	77	0.00	14.73
			AvgRF	CCRF	%Dev			
82	P	bromobenzene	0.960	1.066	-11.0	100	0.00	14.97

Continuing Calibration Summary

Job Number: MC26923 **Sample:** MSM2172-CC2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62162.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

83	P	1,1,2,2-tetrachloroethane	0.844	0.916	-8.5	100	0.00	14.31
84	P	1,2,3-trichloropropane	0.904	0.975	-7.9	98	0.00	14.46
85	P	n-propylbenzene	3.960	4.228	-6.8	95	0.00	15.12
86	P	2-chlorotoluene	2.423	2.597	-7.2	97	0.00	15.24
87	P	4-chlorotoluene	2.391	2.545	-6.4	96	0.00	15.31
88	P	1,3,5-trimethylbenzene	3.022	3.282	-8.6	98	0.00	15.39
89	P	tert-butylbenzene	1.637	1.808	-10.4	100	0.00	15.70
90	P	1,2,4-trimethylbenzene	2.990	3.204	-7.2	97	0.00	15.80
91	P	sec-butylbenzene	4.117	4.489	-9.0	99	0.00	15.92
92	P	1,3-dichlorobenzene	1.941	2.104	-8.4	98	0.00	16.03
93	P	p-isopropyltoluene	3.578	3.908	-9.2	100	0.00	16.09
94	P	1,4-dichlorobenzene	1.987	2.121	-6.7	99	0.00	16.09
95	P	1,2-dichlorobenzene	1.933	2.167	-12.1	101	0.00	16.46
96	P	n-butylbenzene	3.011	3.062	-1.7	93	0.00	16.51
97	P	1,2-dibromo-3-chloropropa	0.184	0.206	-12.0	112	0.00	16.94
98	P	1,3,5-trichlorobenzene	1.412	1.398	1.0	92	0.00	17.75
99	P	1,2,4-trichlorobenzene	1.349	1.338	0.8	92	0.00	18.30
100	P	hexachlorobutadiene	0.630	0.669	-6.2	100	0.00	18.59
101	P	naphthalene	3.804	4.132	-8.6	103	0.00	18.57
102	P	1,2,3-trichlorobenzene	1.317	1.390	-5.5	98	0.00	18.78
103	P	2-methylnaphthalene	2.146	2.314	-7.8	98	0.00	19.97
			Amount	Calc.	%Drift			
104	P	1-methylnaphthalene	25.000	29.783	-19.1	109	0.00	20.22

(#) = Out of Range SPCC's out = 2 CCC's out = 0
m62074.D M131211S.M Mon Dec 16 09:05:59 2013

Initial Calibration Summary

Job Number: MC26923 **Sample:** MSN3086-ICC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82695.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report MSN

Method : C:\msdchem\1\methods\n131125w.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Calibration Files
1 =N82690.D 2 =N82691.D 5 =N82692.D 50 =N82695.D
100 =N82696.D 200 =N82697.D 400 =N82698.D 0.5 =N82689.D
25 =N82694.D 10 =N82693.D = =

Compound	1	2	5	50	100	200	400	0.5	25	10	Avg	%RSD
1) p tert butyl alcohol-d9 ----------ISTD----------												
2) tertiary butyl alcohol	1.446	1.253	1.290	1.241	1.362	1.297		1.236	1.462		1.323	6.82
3) Ethanol	0.221	0.190	0.194	0.181	0.199	0.179		0.186	0.228		0.197	9.12
4) I pentafluorobenzene ----------ISTD----------												
5) dichlorodifluoromethane	0.919	0.719	0.702	0.655	0.642	0.577	0.469	0.824	0.724	0.738	0.697	17.88
6) chloromethane	0.823	0.733	0.688	0.574	0.597	0.592	0.564	0.954	0.620	0.675	0.682	18.36
7) vinyl chloride	1.119	0.864	0.824	0.765	0.746	0.663		0.827	0.903		0.839	16.15
8) bromomethane	0.282	0.273	0.306	0.312	0.342	0.299		0.304	0.303		0.303	6.75
9) chloroethane	0.467	0.352	0.372	0.353	0.346	0.323	0.271	0.361	0.376	0.395	0.362	13.86
10) ethyl ether	0.606	0.500	0.535	0.480	0.480	0.473	0.454	0.570	0.493	0.551	0.514	9.53
11) acetonitrile											0.000#	-1.00
12) trichlorofluoromethane	1.243	0.962	0.938	0.907	0.885	0.788	0.637	1.119	0.979	1.033	0.949	17.65
13) freon-113	0.712	0.525	0.533	0.523	0.521	0.384	0.405		0.550	0.614	0.530	18.56
14) acrolein			0.112	0.115	0.118	0.114	0.108		0.126	0.125	0.117	5.75
15) 1,1-dichloroethene	0.764	0.594	0.545	0.472	0.457	0.363	0.365		0.498	0.591	0.516	24.32
---- Linear regression ---- Coefficient = 0.9959												
Response Ratio = 0.05629 + 0.35990 *A												
16) acetone			0.085	0.071	0.061	0.052	0.050		0.086	0.095	0.072#	24.84
---- Linear regression ---- Coefficient = 0.9971												
Response Ratio = 0.01521 + 0.04858 *A												
17) Methyl Acetate			0.934	0.843	0.812	0.741	0.686		0.891	1.009	0.845	13.16
18) methylene chloride	0.739	0.584	0.630	0.554	0.553	0.531	0.519		0.571	0.648	0.592	11.77
19) methyl tert butyl ether	1.294	1.040	1.102	1.110	1.254	1.364	1.394	1.439	1.109	1.247	1.235	11.27
20) acrylonitrile												

Initial Calibration Summary

Job Number: MC26923 **Sample:** MSN3086-ICC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82695.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                    0.225 0.219 0.211 0.215 0.207       0.225 0.254  0.222    6.98
21)  allyl chloride
                    0.824 0.891 0.901 0.797 0.681       0.907 0.949  0.850   10.68
22)  trans-1,2-dichloroethene
          0.707 0.596 0.519 0.500 0.502 0.444 0.444 0.615 0.524 0.584  0.543   15.10
23)  iodomethane
                    0.257 0.460 0.543 0.502 0.415       0.412 0.345  0.419   23.02
           ---- Quadratic regression ----  Coefficient =  0.9993
             Response Ratio = -0.06924 + 0.61110 *A + -0.02343 *A^2

24)  carbon disulfide
                1.798 1.753 1.694 1.691 1.379 1.389       1.745 1.925  1.672   11.50
25)  propionitrile
                          0.011 0.009 0.007 0.004       0.011 0.017  0.010#  43.33
           ---- Quadratic regression ----  Coefficient =  0.9944
             Response Ratio = 0.00215 + 0.00832 *A + -0.00052 *A^2

26)  vinyl acetate
                    0.934 0.843 0.812 0.741 0.686       0.891 1.009  0.845   13.16
27)  chloroprene
          0.978 0.836 0.853 0.906 0.935 0.751 0.758       0.921 0.986  0.880    9.86
28)  di-isopropyl ether
                2.097 2.119 2.050 2.038 1.964 1.877       2.086 2.347  2.072    6.57
29)  methacrylonitrile
                0.306 0.384 0.347 0.343 0.344 0.342       0.395 0.413  0.359    9.68
30)  2-butanone
                    0.058 0.067 0.064 0.059 0.058       0.068 0.065  0.063#   6.87
31)  Hexane
                    0.987 0.935 0.931 0.759 0.773       0.962 1.099  0.921   13.00
32)  1,1-dichloroethane
          1.425 1.082 1.142 1.062 1.073 0.976 0.967 1.394 1.095 1.228  1.144   13.86
33)  tert-butyl ethyl ether
                0.553 0.700 1.106 1.319 1.497 1.621       0.930 0.856  1.073   35.56
           ---- Linear regression ----  Coefficient =  0.9973
             Response Ratio = -0.30055 + 1.63093 *A

34)  isobutyl alcohol
                    0.370 0.349 0.345 0.307 0.301       0.367 0.404  0.349   10.42
35)  2,2-dichloropropane
                    0.318 0.631 0.709 0.638 0.672       0.546 0.482  0.571   23.74
           ---- Linear regression ----  Coefficient =  0.9989
             Response Ratio = -0.03726 + 0.67340 *A

36)  cis-1,2-dichloroethene
          0.762 0.600 0.603 0.557 0.560 0.534 0.534 0.756 0.582 0.646  0.613   13.69
37)  ethyl acetate
                1.827 1.865 1.745 1.729 1.536 1.503       1.846 2.020  1.759    9.79
38)  bromochloromethane
          0.297 0.221 0.267 0.258 0.260 0.243 0.231       0.260 0.305  0.260   10.68
39)  chloroform
          1.293 0.995 1.035 1.000 1.003 0.942 0.938 1.194 1.011 1.148  1.056   11.05
40)  dibromofluoromethane (s)
                    0.521 0.493 0.487 0.477 0.467       0.489 0.488  0.489    3.43
41)  Tetrahydrofuran
                    0.169 0.156 0.155 0.155 0.153       0.164 0.184  0.162    7.00
42)  1,1,1-trichloroethane
          0.871 0.659 0.732 0.815 0.839 0.701 0.720 0.681 0.814 0.850  0.768   10.10

43) I   1,4-difluorobenzene   ----------------ISTD---------------------
44)  Cyclohexane
```

Initial Calibration Summary

Job Number: MC26923 **Sample:** MSN3086-ICC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82695.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                0.666 0.732 0.704 0.721 0.547 0.577       0.715 0.780  0.680   11.77
45)  carbon tetrachloride
          0.389 0.339 0.385 0.445 0.468 0.375 0.392       0.431 0.462  0.409   10.70
46)  1,1-dichloropropene
                0.446 0.495 0.477 0.492 0.400 0.405       0.493 0.529  0.467    9.83
47)  benzene
          1.775 1.504 1.519 1.407 1.460 1.305 1.301 1.837 1.426 1.650  1.519   12.07
48)  1,2-dichloroethane
          0.634 0.486 0.548 0.513 0.532 0.532 0.511       0.519 0.600  0.542    8.65
49)  tert-amyl methyl ether
          0.676 0.492 0.542 0.587 0.707 0.769 0.821       0.543 0.594  0.637   17.63
50)  heptane
          0.622 0.477 0.472 0.463 0.482 0.379 0.421       0.475 0.517  0.479   13.92
51)  trichloroethene
          0.446 0.406 0.396 0.381 0.390 0.338 0.338 0.419 0.376 0.434  0.392    9.23
52)  1,2-dichloropropane
                0.392 0.448 0.417 0.435 0.418 0.406       0.419 0.470  0.426    5.77
53)  dibromomethane
                0.215 0.243 0.221 0.233 0.230 0.227       0.222 0.254  0.231    5.46
54)  bromodichloromethane
          0.595 0.487 0.497 0.501 0.526 0.515 0.515       0.504 0.572  0.524    6.89
55)  Methylcyclohexane
          0.837 0.607 0.639 0.650 0.671 0.520 0.561       0.661 0.713  0.651   13.96
56)  2-chloroethyl vinyl ether
                                                                       0.000#  -1.00
57)  methyl methacrylate
                      0.210 0.218 0.232 0.232 0.233       0.219 0.236  0.226    4.37
58)  1,4-dioxane
                            0.004 0.004 0.004 0.004       0.004 0.004  0.004#   2.52
59)  cis-1,3-dichloropropene
          0.535 0.468 0.512 0.561 0.604 0.618 0.606 0.512 0.548 0.595  0.556    8.95
60)  toluene-d8 (s)
                      1.305 1.221 1.224 1.145 1.074       1.231 1.253  1.207    6.25
61)  4-methyl-2-pentanone
                      0.343 0.341 0.353 0.346 0.338       0.348 0.393  0.352    5.34
62)  toluene
          1.054 0.818 0.823 0.842 0.871 0.782 0.779       0.842 0.952  0.863   10.24
63)  trans-1,3-dichloropropene
          0.449 0.403 0.438 0.456 0.495 0.522 0.523 0.428 0.448 0.483  0.464    8.61
64)  1,1,2-trichloroethane
          0.342 0.274 0.288 0.280 0.290 0.290 0.283       0.282 0.323  0.295    7.63
65)  ethyl methacrylate
                      0.379 0.404 0.421 0.425 0.427       0.394 0.438  0.413    5.05

66) I   chlorobenzene-d5      ----------------ISTD--------------------
67)  tetrachloroethene
          0.949 0.702 0.717 0.692 0.719 0.603 0.625 0.952 0.702 0.810  0.747   16.18
68)  1,3-dichloropropane
          1.158 0.951 1.056 1.019 1.030 1.036 1.011       1.007 1.144  1.046    6.34
69)  dibromochloromethane
          0.777 0.586 0.646 0.664 0.705 0.717 0.712 0.703 0.640 0.748  0.690    8.19
70)  1,2-dibromoethane
                0.571 0.601 0.595 0.619 0.637 0.622       0.589 0.688  0.615    5.87
71)  2-hexanone
                      0.380 0.448 0.455 0.432 0.426       0.447 0.481  0.438    7.17
72)  chlorobenzene
          2.285 1.810 1.779 1.746 1.778 1.702 1.679       1.724 1.995  1.833   10.52
73)  1,1,1,2-tetrachloroethane
          0.720 0.581 0.590 0.586 0.620 0.607 0.602 0.683 0.577 0.658  0.622    7.84
74)  ethylbenzene
```

```
          4.230 3.174 3.186 3.128 3.212 2.877 2.888       3.135 3.541  3.263   12.60
75)  m,p-xylene
          1.554 1.179 1.213 1.224 1.256 1.132 1.135 1.488 1.225 1.393  1.280   11.53
76)  o-xylene
          1.502 1.195 1.214 1.215 1.249 1.171 1.165 1.540 1.200 1.369  1.282   10.81
77)  styrene
                1.590 1.745 1.891 1.966 1.932 1.916       1.799 1.996  1.854    7.30
78)  bromoform
          0.461 0.403 0.431 0.451 0.482 0.504 0.511       0.426 0.489  0.462    8.15
79)  trans-1,4-dichloro-2-butene
                      0.117 0.164 0.189 0.201 0.207       0.153 0.147  0.168   19.39

80) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
81)  isopropylbenzene
                3.936 4.055 3.685 3.671 3.197 3.327       3.834 4.510  3.777   10.97
82)  bromofluorobenzene (s)
                      1.233 1.035 1.008 0.978 0.959       1.087 1.097  1.057    8.82
83)  bromobenzene
                0.957 0.877 0.839 0.857 0.845 0.848       0.876 1.028  0.891    7.50
84)  1,1,2,2-tetrachloroethane
          1.192 0.991 1.027 0.894 0.888 0.864 0.871 1.098 0.976 1.119  0.992   11.65
85)  1,2,3-trichloropropane
                      0.949 0.889 0.921 0.911 0.946       0.924 1.065  0.944    6.08
86)  n-propylbenzene
                      4.918 4.508 4.472 3.894 4.043       4.744 5.404  4.569   11.28
87)  2-chlorotoluene
                      3.044 2.687 2.685 2.466 2.505       2.831 3.305  2.789   10.75
88)  4-chlorotoluene
                      2.864 2.719 2.717 2.533 2.582       2.842 3.236  2.785    8.38
89)  1,3,5-trimethylbenzene
          4.566 3.390 3.352 3.165 3.164 2.871 2.922       3.266 3.778  3.386   15.28
90)  tert-butylbenzene
                      2.026 1.944 1.915 1.676 1.745       2.003 2.323  1.947   10.82
91)  1,2,4-trimethylbenzene
          4.259 3.224 3.332 3.063 3.083 2.858 2.915       3.194 3.603  3.281   13.07
92)  sec-butylbenzene
                      4.613 4.321 4.281 3.694 3.850       4.478 5.183  4.346   11.37
93)  1,3-dichlorobenzene
          2.257 1.742 1.841 1.680 1.698 1.650 1.681       1.698 1.962  1.801   10.97
94)  p-isopropyltoluene
                      3.383 3.336 3.346 2.957 3.013       3.497 3.879  3.344    9.21
95)  1,4-dichlorobenzene
          2.140 1.794 1.740 1.636 1.659 1.635 1.611       1.671 1.880  1.752    9.70
96)  1,2-dichlorobenzene
          2.268 1.789 1.725 1.613 1.647 1.634 1.621       1.656 1.856  1.757   11.89
97)  n-butylbenzene
                      3.187 3.337 3.382 2.950 3.082       3.389 3.659  3.284    7.10
98)  1,2-dibromo-3-chloropropane
                      0.168 0.152 0.158 0.155 0.156       0.162 0.178  0.161    5.52
99)  1,2,4-trichlorobenzene
                      0.821 0.990 1.057 1.054 1.086       0.946 0.993  0.992    9.02
100)  1,3,5-trichlorobenzene
                      1.238 1.197 1.213 1.179 1.208       1.211 1.362  1.230    4.98
101)  hexachlorobutadiene
                      0.784 0.729 0.738 0.626 0.706       0.729 0.859  0.739    9.63
102)  naphthalene
                      1.278 2.104 2.291 2.338 2.415       1.936 1.754  2.016   19.89
103)  1,2,3-trichlorobenzene
                      0.845 0.946 0.989 0.989 1.038       0.913 0.957  0.954    6.51
104)  2-methylnaphthalene
```

Initial Calibration Summary

Job Number: MC26923 **Sample:** MSN3086-ICC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82695.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                          0.545 0.748 0.881 1.021       0.458 0.560  0.702   31.26
            ---- Linear regression ----  Coefficient =  0.9947
              Response Ratio = -0.19719 + 1.04696 *A

105)  1-methylnaphthalene
                       0.654 0.670 0.802 0.849 0.909       0.522 0.564  0.710   20.65
            ---- Linear regression ----  Coefficient =  0.9985
              Response Ratio = -0.08090 + 0.91879 *A

 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           n131125w.m        Tue Nov 26 10:23:19 2013
```

Initial Calibration Verification

Job Number: MC26923 **Sample:** MSN3086-ICV3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82701.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\N131125\N82701.D Vial: 32
Acq On : 25 Nov 2013 6:06 pm Operator: jaclynb
Sample : icv3086-50 Inst : MSN
Misc : ms30628,MSN3086,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\n131125w.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Nov 26 10:17:34 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	p	tert butyl alcohol-d9	500.000	500.000	0.0	82	0.00	6.77
2	P	tertiary butyl alcohol	500.000	575.579	-15.1	97	0.00	6.85
3	p	Ethanol	5000.000	5425.345	-8.5	90	0.00	5.62
4	I	pentafluorobenzene	50.000	50.000	0.0	98	0.00	9.21
5	p	dichlorodifluoromethane	50.000	38.720	22.6#	81	0.00	4.42
6	P	chloromethane	50.000	42.258	15.5	98	0.00	4.68
7	p	vinyl chloride	50.000	40.788	18.4	88	0.00	4.93
8	p	bromomethane	50.000	49.804	0.4	97	0.00	5.45
9	p	chloroethane	50.000	54.801	-9.6	110	0.00	5.62
10	p	ethyl ether	50.000	45.014	10.0	95	0.00	6.51
11	p	acetonitrile	50.000	0.000	100.0#	0	0.00	6.17
12	p	trichlorofluoromethane	50.000	46.034	7.9	94	0.00	6.27
13	p	freon-113	50.000	48.760	2.5	97	0.00	7.05
14	p	acrolein	250.000	208.55	16.6	85	0.00	6.27
15	p	1,1-dichloroethene	50.000	55.770	-11.5	95	0.00	6.87
16	p	acetone	50.000	37.118	25.8#	71	0.00	6.40
17	M	Methyl Acetate	50.000	36.920	26.2#	73	0.00	7.04
18	p	methylene chloride	50.000	45.663	8.7	96	0.00	7.01
19	p	methyl tert butyl ether	50.000	42.593	14.8	93	0.00	7.80
20	p	acrylonitrile	50.000	46.440	7.1	98	0.00	6.91
21	p	allyl chloride	50.000	48.978	2.0	92	0.00	7.11
22	p	trans-1,2-dichloroethene	50.000	46.680	6.6	100	0.00	7.71
		----------	Amount	Calc.	%Drift		----------	
23	p	iodomethane	50.000	40.943	18.1	88	0.00	6.93
		----------	Amount	Calc.	%Drift		----------	
24	p	carbon disulfide	50.000	46.771	6.5	91	0.00	7.30
		----------	Amount	Calc.	%Drift		----------	
25	p	propionitrile	50.000	65.140	-30.3#	111	0.00	6.84
		----------	Amount	Calc.	%Drift		----------	
26	p	vinyl acetate	50.000	36.920	26.2#	73	0.00	7.04
27	p	chloroprene	50.000	53.406	-6.8	102	0.00	8.33
28	p	di-isopropyl ether	50.000	46.750	6.5	93	0.00	8.35
29	p	methacrylonitrile	50.000	45.585	8.8	92	0.00	8.48
30	p	2-butanone	50.000	46.323	7.4	85	0.00	8.37
31	p	Hexane	50.000	46.182	7.6	89	0.00	8.34
32	P	1,1-dichloroethane	50.000	46.329	7.3	98	0.00	7.96
33	p	tert-butyl ethyl ether	50.000	41.919	16.2	95	0.00	8.75

Initial Calibration Verification

Job Number: MC26923 **Sample:** MSN3086-ICV3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82701.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

34	p	isobutyl alcohol	250.000	231.552	7.4	91	0.00	8.35
35	p	2,2-dichloropropane	50.000	47.201	5.6	93	0.00	8.82
36	p	cis-1,2-dichloroethene	50.000	44.887	10.2	97	0.00	8.53
37	p	ethyl acetate	50.000	45.104	9.8	89	0.00	8.35
38	p	bromochloromethane	50.000	49.770	0.5	98	0.00	8.70
39	p	chloroform	50.000	46.259	7.5	96	0.00	8.74
40	S	dibromofluoromethane (s)	50.000	50.436	-0.9	98	0.00	8.86
41	p	Tetrahydrofuran	50.000	44.079	11.8	90	0.00	9.06
42	p	1,1,1-trichloroethane	50.000	51.999	-4.0	96	0.00	9.49
43	I	1,4-difluorobenzene	50.000	50.000	0.0	97	0.00	10.08
44	p	Cyclohexane	50.000	47.293	5.4	89	0.00	9.77
45	p	carbon tetrachloride	50.000	53.484	-7.0	95	0.00	9.86
46	p	1,1-dichloropropene	50.000	51.637	-3.3	98	0.00	9.67
47	p	benzene	50.000	46.028	7.9	96	0.00	9.89
48	p	1,2-dichloroethane	50.000	47.019	6.0	96	0.00	9.39
49	p	tert-amyl methyl ether	50.000	44.612	10.8	94	0.00	10.00
50	p	heptane	50.000	42.833	14.3	86	0.00	10.35
51	p	trichloroethene	50.000	47.411	5.2	95	0.00	10.51
52	p	1,2-dichloropropane	50.000	48.483	3.0	96	0.00	10.47
53	p	dibromomethane	50.000	48.142	3.7	98	0.00	10.45
54	p	bromodichloromethane	50.000	48.198	3.6	98	0.00	10.56
55	p	Methylcyclohexane	50.000	49.838	0.3	97	0.00	11.02
56	p	2-chloroethyl vinyl ether	50.000	0.000	100.0#	0	0.00	10.08
57	p	methyl methacrylate	50.000	47.444	5.1	95	0.00	10.65
58	p	1,4-dioxane	250.000	251.809	-0.7	94	0.00	10.66
59	p	cis-1,3-dichloropropene	50.000	48.029	3.9	92	0.00	11.17
60	S	toluene-d8 (s)	50.000	52.003	-4.0	100	0.00	11.88
61	p	4-methyl-2-pentanone	50.000	48.041	3.9	96	0.00	11.26
62	p	toluene	50.000	49.268	1.5	98	0.00	11.95
63	p	trans-1,3-dichloropropene	50.000	51.157	-2.3	101	0.00	11.59
64	p	1,1,2-trichloroethane	50.000	48.460	3.1	99	0.00	11.76
65	p	ethyl methacrylate	50.000	48.703	2.6	96	0.00	11.96
66	I	chlorobenzene-d5	50.000	50.000	0.0	102	0.00	13.34
67	p	tetrachloroethene	50.000	44.560	10.9	99	0.00	12.69
68	p	1,3-dichloropropane	50.000	45.697	8.6	96	0.00	12.00
69	p	dibromochloromethane	50.000	47.116	5.8	100	0.00	12.29
70	p	1,2-dibromoethane	50.000	45.055	9.9	95	0.00	12.55
71	p	2-hexanone	50.000	46.282	7.4	93	0.00	12.12
72	P	chlorobenzene	50.000	43.816	12.4	94	0.00	13.37
73	p	1,1,1,2-tetrachloroethane	50.000	47.201	5.6	103	0.00	13.29
74	p	ethylbenzene	50.000	46.999	6.0	101	0.00	13.54
75	p	m,p-xylene	100.000	90.453	9.5	97	0.00	13.73
76	p	o-xylene	50.000	44.493	11.0	96	0.00	14.14
77	p	styrene	50.000	49.451	1.1	99	0.00	14.07
78	P	bromoform	50.000	46.829	6.3	98	0.00	13.90
79	p	trans-1,4-dichloro-2-bute	50.000	45.258	9.5	95	0.00	14.29
80	I	1,4-dichlorobenzene-d4	50.000	50.000	0.0	100	0.00	15.89
81	p	isopropylbenzene	50.000	47.597	4.8	98	0.00	14.50
82	S	bromofluorobenzene (s)	50.000	48.466	3.1	99	0.00	14.56
83	p	bromobenzene	50.000	47.468	5.1	101	0.00	14.79
84	P	1,1,2,2-tetrachloroethane	50.000	46.187	7.6	103	0.00	14.14
85	p	1,2,3-trichloropropane	50.000	47.703	4.6	101	0.00	14.29
86	p	n-propylbenzene	50.000	46.531	6.9	94	0.00	14.94
87	p	2-chlorotoluene	50.000	46.056	7.9	96	0.00	15.07
88	p	4-chlorotoluene	50.000	48.214	3.6	99	0.00	15.14
89	p	1,3,5-trimethylbenzene	50.000	46.456	7.1	99	0.00	15.22
90	p	tert-butylbenzene	50.000	48.694	2.6	98	0.00	15.53

Initial Calibration Verification

Job Number: MC26923 **Sample:** MSN3086-ICV3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82701.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

91	p	1,2,4-trimethylbenzene	50.000	45.987	8.0	99	0.00	15.63
92	M	sec-butylbenzene	50.000	49.370	1.3	99	0.00	15.75
93	p	1,3-dichlorobenzene	50.000	46.611	6.8	100	0.00	15.86
94	p	p-isopropyltoluene	50.000	51.420	-2.8	103	0.00	15.92
95	p	1,4-dichlorobenzene	50.000	48.501	3.0	104	0.00	15.92
96	p	1,2-dichlorobenzene	50.000	45.720	8.6	100	0.00	16.29
97	p	n-butylbenzene	50.000	51.873	-3.7	102	0.00	16.33
98	p	1,2-dibromo-3-chloropropa	50.000	46.192	7.6	98	0.00	16.76
99	p	1,2,4-trichlorobenzene	50.000	51.516	-3.0	103	0.00	18.12
100	p	1,3,5-trichlorobenzene	50.000	49.762	0.5	102	0.00	17.57
101	p	hexachlorobutadiene	50.000	53.133	-6.3	108	0.00	18.41
102	p	naphthalene	50.000	52.798	-5.6	101	0.00	18.39
103	p	1,2,3-trichlorobenzene	50.000	50.045	-0.1	101	0.00	18.60
104	p	2-methylnaphthalene	25.000	23.752	5.0	110	0.00	19.79
105	p	1-methylnaphthalene	25.000	23.212	7.2	103	0.00	20.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N82695.D n131125w.m Tue Nov 26 10:23:33 2013

Continuing Calibration Summary

Job Number: MC26923 **Sample:** MSN3101-CC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N83091.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\N131210\N83091.D Vial: 16
Acq On : 10 Dec 2013 10:49 am Operator: jaclynb
Sample : cc3086-50 Inst : MSN
Misc : ms30713,MSN3101,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\n131125w.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Nov 26 10:17:34 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	p	tert butyl alcohol-d9	1.000	1.000	0.0	72	0.00	6.77
2	P	tertiary butyl alcohol	1.323	1.293	2.3	72	0.00	6.85
3	p	Ethanol	0.197	0.228	-15.7	84	0.00	5.62
4	I	pentafluorobenzene	1.000	1.000	0.0	113	0.00	9.21
5	p	dichlorodifluoromethane	0.697	0.753	-8.0	131	0.00	4.43
6	P	chloromethane	0.682	0.691	-1.3	137	0.00	4.68
7	p	vinyl chloride	0.839	0.787	6.2	117	0.00	4.94
8	p	bromomethane	0.303	0.326	-7.6	121	0.00	5.45
9	p	chloroethane	0.362	0.361	0.3	116	0.00	5.62
10	p	ethyl ether	0.514	0.440	14.4	104	0.00	6.51
11	p	acetonitrile	0.000	0.104	0.0	0#	0.00	6.17
12	p	trichlorofluoromethane	0.949	0.858	9.6	107	0.00	6.27
13	p	freon-113	0.530	0.516	2.6	112	0.00	7.05
14	p	acrolein	0.117	0.091	22.2#	90	0.00	6.26
			Amount	Calc.	%Drift			
15	p	1,1-dichloroethene	50.000	54.975	-10.0	109	0.00	6.87
16	p	acetone	50.000	35.252	29.5#	79	0.00	6.40
			AvgRF	CCRF	%Dev			
17	M	Methyl Acetate	0.845	0.631	25.3#	85	0.00	7.04
18	p	methylene chloride	0.592	0.530	10.5	109	0.00	7.01
19	p	methyl tert butyl ether	1.235	0.866	29.9#	88	0.00	7.79
20	p	acrylonitrile	0.222	0.156	29.7#	81	0.00	6.91
21	p	allyl chloride	0.850	0.880	-3.5	112	0.00	7.11
22	p	trans-1,2-dichloroethene	0.543	0.481	11.4	109	0.00	7.71
			Amount	Calc.	%Drift			
23	p	iodomethane	50.000	49.104	1.8	125	0.00	6.93
			AvgRF	CCRF	%Dev			
24	p	carbon disulfide	1.672	1.609	3.8	108	0.00	7.30
			Amount	Calc.	%Drift			
25	p	propionitrile	50.000	57.445	-14.9	116	-0.01	6.84
			AvgRF	CCRF	%Dev			
26	p	vinyl acetate	0.845	0.631	25.3#	85	0.00	7.04
27	p	chloroprene	0.880	0.887	-0.8	111	0.00	8.33
28	p	di-isopropyl ether	2.072	1.975	4.7	109	0.00	8.35
29	p	methacrylonitrile	0.359	0.266	25.9#	87	0.00	8.48

Continuing Calibration Summary

Job Number: MC26923 **Sample:** MSN3101-CC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N83091.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

30	p	2-butanone	0.063	0.047#	25.4#	80	0.00	8.37
31	p	Hexane	0.921	0.926	-0.5	112	0.00	8.34
32	P	1,1-dichloroethane	1.144	1.046	8.6	112	0.00	7.96
		----------	Amount	Calc.	%Drift	----------		
33	p	tert-butyl ethyl ether	50.000	36.129	27.7#	90	0.00	8.75
		----------	AvgRF	CCRF	%Dev	----------		
34	p	isobutyl alcohol	0.349	0.329	5.7	107	0.00	8.35
		----------	Amount	Calc.	%Drift	----------		
35	p	2,2-dichloropropane	50.000	51.739	-3.5	119	0.00	8.82
		----------	AvgRF	CCRF	%Dev	----------		
36	p	cis-1,2-dichloroethene	0.613	0.528	13.9	108	0.00	8.53
37	p	ethyl acetate	1.759	1.647	6.4	107	0.00	8.35
38	p	bromochloromethane	0.260	0.246	5.4	108	0.00	8.70
39	p	chloroform	1.056	0.940	11.0	107	0.00	8.74
40	S	dibromofluoromethane (s)	0.489	0.455	7.0	105	0.00	8.86
41	p	Tetrahydrofuran	0.162	0.112	30.9#	81	0.00	9.06
42	p	1,1,1-trichloroethane	0.768	0.770	-0.3	107	0.00	9.49
43	I	1,4-difluorobenzene	1.000	1.000	0.0	110	0.00	10.08
44	p	Cyclohexane	0.680	0.732	-7.6	114	0.00	9.77
45	p	carbon tetrachloride	0.409	0.432	-5.6	107	0.00	9.85
46	p	1,1-dichloropropene	0.467	0.478	-2.4	110	0.00	9.66
47	p	benzene	1.519	1.427	6.1	111	0.00	9.89
48	p	1,2-dichloroethane	0.542	0.468	13.7	100	0.00	9.39
49	p	tert-amyl methyl ether	0.637	0.442	30.6#	83	0.00	9.99
50	p	heptane	0.479	0.533	-11.3	126	0.00	10.35
51	p	trichloroethene	0.392	0.378	3.6	109	0.00	10.51
52	p	1,2-dichloropropane	0.426	0.417	2.1	110	0.00	10.47
53	p	dibromomethane	0.231	0.202	12.6	100	0.00	10.45
54	p	bromodichloromethane	0.524	0.480	8.4	105	0.00	10.56
55	p	Methylcyclohexane	0.651	0.679	-4.3	115	0.00	11.02
56	p	2-chloroethyl vinyl ether	0.000	0.239	0.0	0#	0.00	10.09
57	p	methyl methacrylate	0.226	0.176	22.1#	89	0.00	10.64
58	p	1,4-dioxane	0.004	0.003#	25.0#	79	-0.01	10.65
59	p	cis-1,3-dichloropropene	0.556	0.547	1.6	107	0.00	11.17
60	S	toluene-d8 (s)	1.207	1.212	-0.4	109	0.00	11.88
61	p	4-methyl-2-pentanone	0.352	0.266	24.4#	85	0.00	11.26
62	p	toluene	0.863	0.831	3.7	108	0.00	11.95
63	p	trans-1,3-dichloropropene	0.464	0.418	9.9	101	0.00	11.59
64	p	1,1,2-trichloroethane	0.295	0.258	12.5	101	0.00	11.77
65	p	ethyl methacrylate	0.413	0.318	23.0#	86	0.00	11.96
66	I	chlorobenzene-d5	1.000	1.000	0.0	112	0.00	13.34
67	p	tetrachloroethene	0.747	0.705	5.6	114	0.00	12.69
68	p	1,3-dichloropropane	1.046	0.901	13.9	99	0.00	12.00
69	p	dibromochloromethane	0.690	0.594	13.9	100	0.00	12.29
70	p	1,2-dibromoethane	0.615	0.506	17.7	95	0.00	12.54
71	p	2-hexanone	0.438	0.349	20.3#	87	0.00	12.12
72	P	chlorobenzene	1.833	1.702	7.1	109	0.00	13.37
73	p	1,1,1,2-tetrachloroethane	0.622	0.575	7.6	110	0.00	13.29
74	p	ethylbenzene	3.263	3.093	5.2	110	0.00	13.54
75	p	m,p-xylene	1.280	1.199	6.3	109	0.00	13.73
76	p	o-xylene	1.282	1.187	7.4	109	0.00	14.14
77	p	styrene	1.854	1.823	1.7	108	0.00	14.07
78	P	bromoform	0.462	0.374	19.0	93	0.00	13.90
79	p	trans-1,4-dichloro-2-bute	0.168	0.133	20.8#	90	0.00	14.29

Continuing Calibration Summary

Job Number: MC26923 **Sample:** MSN3101-CC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N83091.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	15.89
81	p	isopropylbenzene	3.777	3.949	-4.6	112	0.00	14.50
82	S	bromofluorobenzene (s)	1.057	1.039	1.7	105	0.00	14.56
83	p	bromobenzene	0.891	0.868	2.6	108	0.00	14.79
84	P	1,1,2,2-tetrachloroethane	0.992	0.778	21.6#	91	0.00	14.14
85	p	1,2,3-trichloropropane	0.944	0.777	17.7	92	0.00	14.29
86	p	n-propylbenzene	4.569	4.753	-4.0	110	0.00	14.94
87	p	2-chlorotoluene	2.789	2.820	-1.1	110	0.00	15.07
88	p	4-chlorotoluene	2.785	2.827	-1.5	109	0.00	15.14
89	p	1,3,5-trimethylbenzene	3.386	3.328	1.7	110	0.00	15.22
90	p	tert-butylbenzene	1.947	2.028	-4.2	109	0.00	15.53
91	p	1,2,4-trimethylbenzene	3.281	3.255	0.8	111	0.00	15.63
92	M	sec-butylbenzene	4.346	4.622	-6.4	112	0.00	15.75
93	p	1,3-dichlorobenzene	1.801	1.775	1.4	111	0.00	15.86
94	p	p-isopropyltoluene	3.344	3.494	-4.5	110	0.00	15.92
95	p	1,4-dichlorobenzene	1.752	1.717	2.0	110	0.00	15.92
96	p	1,2-dichlorobenzene	1.757	1.687	4.0	109	0.00	16.29
97	p	n-butylbenzene	3.284	3.617	-10.1	113	0.00	16.33
98	p	1,2-dibromo-3-chloropropa	0.161	0.127	21.1#	87	0.00	16.76
99	p	1,2,4-trichlorobenzene	0.992	1.032	-4.0	109	0.00	18.12
100	p	1,3,5-trichlorobenzene	1.230	1.287	-4.6	113	0.00	17.57
101	p	hexachlorobutadiene	0.739	0.787	-6.5	113	0.00	18.41
102	p	naphthalene	2.016	1.984	1.6	99	0.00	18.40
103	p	1,2,3-trichlorobenzene	0.954	0.943	1.2	104	0.00	18.60
			Amount	Calc.	%Drift			
104	p	2-methylnaphthalene	25.000	23.577	5.7	114	0.00	19.79
105	p	1-methylnaphthalene	25.000	21.730	13.1	99	0.00	20.04

(#) = Out of Range SPCC's out = 2 CCC's out = 0
N82695.D n131125w.m Tue Dec 10 12:40:00 2013

Initial Calibration Summary

Job Number: MC26923 **Sample:** MSU756-ICC756
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U15218.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report MSU

Method : D:\msdchem\1\methods\U131017W.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

Calibration Files
1 =U15213.D 2 =U15214.D 5 =U15215.D 50 =U15218.D
100 =U15219.D 200 =U15220.D 400 =U15221.D 0.5 =U15212.D
25 =U15217.D 10 =U15216.D = =

Compound	1	2	5	50	100	200	400	0.5	25	10	Avg	%RSD
1) I tert butyl alcohol-d9 ----------ISTD----------												
2) tertiary butyl alcohol	0.863	0.881	0.936	0.971	1.005	1.059		0.972	0.932	0.952		6.70
3) Ethanol	0.129	0.124	0.139	0.156	0.157	0.147		0.162	0.161	0.147		10.14
4) I pentafluorobenzene ----------ISTD----------												
5) dichlorodifluoromethane	0.444	0.417	0.451	0.476	0.493	0.462	0.433		0.518	0.475	0.463	6.77
6) chloromethane	0.727	0.692	0.679	0.694	0.692	0.613	0.529		0.777	0.731	0.682	10.63
7) vinyl chloride	0.652	0.663	0.632	0.665	0.691	0.658	0.604		0.739	0.713	0.669	6.12
8) bromomethane	0.323	0.279	0.269	0.276	0.281	0.272	0.272		0.308	0.280	0.284	6.48
9) chloroethane	0.294	0.282	0.258	0.272	0.309	0.280	0.270		0.327	0.287	0.287	7.31
10) ethyl ether	0.404	0.406	0.452	0.460	0.466	0.466		0.453	0.449	0.444		5.66
11) acetonitrile	0.075	0.062	0.084	0.085	0.085			0.086	0.057	0.076		16.16
12) trichlorofluoromethane	0.643	0.658	0.628	0.688	0.718	0.681	0.644		0.757	0.736	0.684	6.58
13) freon-113	0.385	0.334	0.405	0.390	0.432	0.378	0.395		0.440	0.427	0.398	8.24
14) acrolein	0.054	0.065	0.079	0.083	0.089	0.089		0.081	0.075	0.077		15.63
15) 1,1-dichloroethene	0.435	0.342	0.372	0.377	0.394	0.356	0.371		0.406	0.400	0.384	7.38
16) acetone	0.075	0.081	0.093	0.087	0.061			0.086	0.067	0.078#		14.72
17) Methyl Acetate	0.821	0.512	0.531	0.605	0.601	0.619	0.612		0.609	0.612	0.613	14.18
18) methylene chloride	0.625	0.417	0.417	0.465	0.475	0.487	0.485		0.497	0.468	0.482	12.59
19) methyl tert butyl ether	1.633	1.236	1.218	1.389	1.387	1.413	1.410		1.400	1.392	1.386	8.59
20) acrylonitrile	0.176	0.159	0.230	0.233	0.237	0.238		0.219	0.223	0.214		14.01
21) allyl chloride	1.198	0.859	0.839	0.851	0.879	0.830	0.858		0.893	0.944	0.906	12.67
22) trans-1,2-dichloroethene	0.561	0.412	0.431	0.427	0.432	0.417	0.429		0.452	0.460	0.447	10.21
23) iodomethane												

Initial Calibration Summary

Job Number: MC26923 **Sample:** MSU756-ICC756
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U15218.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
          0.898 0.567 0.629 0.688 0.684 0.676 0.691       0.707 0.707  0.694   12.76
24)  carbon disulfide
          1.540 1.254 1.285 1.367 1.398 1.276 1.322       1.477 1.391  1.368    7.00
25)  propionitrile
                      0.035 0.044 0.045 0.040 0.043       0.049 0.043  0.043#  10.53
26)  vinyl acetate
                0.983 0.990 1.170 1.083 1.194 1.224       1.128 1.198  1.121    8.40
27)  chloroprene
          0.925 0.751 0.786 0.849 0.884 0.788 0.823       0.935 0.900  0.849    7.78
28)  di-isopropyl ether
          2.629 1.735 1.784 1.987 2.012 2.006 1.977       2.075 2.077  2.031   12.51
29)  methacrylonitrile
                0.292 0.336 0.365 0.372 0.376 0.371       0.384 0.381  0.360    8.65
30)  2-butanone
                      0.050 0.068 0.079 0.072 0.065       0.067 0.057  0.065#  14.47
31)  Ethyl Acetate
                1.698 1.761 1.761 1.809 1.717 1.675       1.909 1.949  1.785    5.54
32)  Hexane
          1.141 0.914 0.915 0.887 0.909 0.861 0.850       0.955 0.939  0.930    9.24
33)  1,1-dichloroethane
          1.162 0.822 0.855 0.939 0.949 0.907 0.923       0.951 0.984  0.944   10.17
34)  tert-butyl ethyl ether
          2.222 1.427 1.520 1.766 1.751 1.785 1.782       1.774 1.782  1.756   12.47
35)  isobutyl alcohol
                0.071 0.066 0.062 0.061 0.063 0.062       0.061 0.064  0.064    5.18
36)  2,2-dichloropropane
          0.706 0.520 0.584 0.598 0.575 0.507 0.527       0.598 0.644  0.584   10.85
37)  cis-1,2-dichloroethene
          0.725 0.399 0.447 0.487 0.500 0.485 0.489       0.496 0.530  0.507   17.75
38)  bromochloromethane
                0.181 0.194 0.224 0.224 0.233 0.239       0.228 0.236  0.220    9.51
39)  chloroform
          0.808 0.524 0.583 0.658 0.672 0.668 0.682 0.908 0.664 0.650  0.682   15.76
40)  dibromofluoromethane (s)
                      0.380 0.370 0.371 0.385 0.391       0.379 0.416  0.385    4.08
41)  Tetrahydrofuran
                0.187 0.151 0.176 0.178 0.178 0.178       0.176 0.191  0.177    6.67
42)  1,1,1-trichloroethane
          0.719 0.570 0.630 0.687 0.712 0.658 0.679       0.740 0.736  0.681    8.10

43) I   1,4-difluorobenzene   ----------------ISTD---------------------
44)  Cyclohexane
                0.542 0.592 0.627 0.666 0.604 0.616       0.641 0.659  0.618    6.48
45)  carbon tetrachloride
          0.357 0.321 0.334 0.368 0.387 0.347 0.361       0.386 0.384  0.361    6.51
46)  1,1-dichloropropene
          0.461 0.362 0.377 0.393 0.407 0.375 0.384       0.420 0.432  0.401    7.89
47)  benzene
          1.838 1.220 1.183 1.203 1.209 1.156 1.165 2.818 1.248 1.280  1.432   36.80
           ---- Linear regression ----  Coefficient =  0.9999
             Response Ratio = 0.02396 + 1.16186 *A

48)  1,2-dichloroethane
          0.565 0.404 0.392 0.441 0.446 0.453 0.447       0.441 0.464  0.450   10.85
49)  tert-amyl methyl ether
          1.206 0.821 0.791 0.899 0.895 0.911 0.896       0.898 0.876  0.910   12.97
50)  heptane
                0.336 0.322 0.381 0.375 0.378 0.368       0.373 0.387  0.365    6.34
51)  trichloroethene
          0.408 0.299 0.327 0.355 0.369 0.344 0.347       0.355 0.376  0.353    8.70
```

Initial Calibration Summary

Job Number: MC26923 **Sample:** MSU756-ICC756
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U15218.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

52) 1,2-dichloropropane
0.463 0.290 0.316 0.364 0.370 0.369 0.371 0.364 0.374 0.364 12.94
53) dibromomethane
0.218 0.135 0.171 0.200 0.200 0.203 0.204 0.193 0.201 0.192 12.88
54) bromodichloromethane
0.519 0.339 0.376 0.422 0.431 0.430 0.433 0.414 0.418 0.420 11.56
55) Methylcyclohexane
0.488 0.456 0.479 0.486 0.528 0.492 0.494 0.526 0.517 0.496 4.74
56) 2-chloroethyl vinyl ether
0.126 0.159 0.193 0.200 0.208 0.210 0.188 0.191 0.184 15.38
57) methyl methacrylate
0.128 0.148 0.211 0.216 0.222 0.223 0.190 0.187 0.191 18.72
58) 1,4-dioxane
0.003 0.003 0.003 0.003 0.002 0.001 0.003# 38.24
---- Linear regression ---- Coefficient = 0.9967
Response Ratio = -0.00090 + 0.00311 *A

59) cis-1,3-dichloropropene
0.656 0.448 0.486 0.536 0.545 0.549 0.553 0.839 0.539 0.554 0.570 18.98
60) toluene-d8 (s)
1.058 0.990 1.003 1.016 1.008 1.022 1.119 1.031 4.31
61) 4-methyl-2-pentanone
0.327 0.374 0.384 0.384 0.378 0.357 0.380 0.369 5.60
62) toluene
1.006 0.690 0.667 0.722 0.727 0.695 0.711 0.733 0.752 0.745 13.59
63) trans-1,3-dichloropropene
0.510 0.412 0.398 0.457 0.475 0.481 0.483 0.725 0.449 0.469 0.486 18.60
64) 1,1,2-trichloroethane
0.263 0.217 0.210 0.233 0.242 0.247 0.247 0.222 0.234 0.235 7.19
65) ethyl methacrylate
0.322 0.410 0.421 0.433 0.435 0.378 0.403 0.400 9.88

66) I chlorobenzene-d5 ----------ISTD----------
67) tetrachloroethene
0.657 0.516 0.532 0.576 0.586 0.540 0.559 0.847 0.620 0.599 0.603 15.86
68) 1,3-dichloropropane
1.033 0.731 0.776 0.892 0.904 0.909 0.903 0.900 0.904 0.884 9.73
69) dibromochloromethane
0.680 0.443 0.500 0.574 0.590 0.602 0.600 0.870 0.574 0.553 0.599 19.09
70) 1,2-dibromoethane
0.705 0.420 0.455 0.542 0.556 0.568 0.567 0.548 0.530 0.544 14.66
71) 2-hexanone
0.598 0.644 0.672 0.587 0.514 0.653 0.677 0.621 9.39
72) chlorobenzene
4.873 2.585 1.979 1.627 1.593 1.545 1.572 1.710 1.857 2.149 49.89
---- Linear regression ---- Coefficient = 0.9999
Response Ratio = 0.05075 + 1.55958 *A

73) 1,1,1,2-tetrachloroethane
0.627 0.491 0.489 0.554 0.551 0.556 0.569 0.573 0.561 0.552 7.61
74) ethylbenzene
3.193 2.411 2.506 2.700 2.710 2.578 2.634 4.168 2.816 2.800 2.852 17.86
75) m,p-xylene
1.255 0.941 0.967 1.042 1.045 0.996 1.027 1.570 1.083 1.069 1.099 16.93
76) o-xylene
1.212 0.937 0.928 1.059 1.054 1.033 1.066 1.420 1.091 1.051 1.085 13.06
77) styrene
2.084 1.462 1.493 1.723 1.721 1.742 1.780 1.727 1.763 1.722 10.41
78) bromoform
0.499 0.347 0.355 0.450 0.459 0.479 0.496 0.428 0.411 0.436 12.91

Initial Calibration Summary

Job Number: MC26923 **Sample:** MSU756-ICC756
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U15218.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY


```
 79)  trans-1,4-dichloro-2-butene
                      0.227 0.282 0.283 0.330 0.288       0.275 0.268  0.279   10.91

 80) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
 81)  isopropylbenzene
           3.156 2.491 2.539 2.786 2.828 2.647 2.744       2.962 2.906  2.784    7.54
 82)  bromofluorobenzene (s)
                      0.862 0.841 0.848 0.865 0.877       0.867 0.927  0.870    3.23
 83)  bromobenzene
           0.901 0.627 0.635 0.735 0.741 0.738 0.766       0.752 0.749  0.738   10.80
 84)  1,1,2,2-tetrachloroethane
           0.638 0.465 0.504 0.571 0.560 0.591 0.615 0.930 0.561 0.591  0.603   20.82
            ---- Linear regression ----  Coefficient =  0.9994
              Response Ratio = -0.02404 + 0.61137 *A

 85)  1,2,3-trichloropropane
           1.118 0.724 0.791 0.908 0.920 0.945 0.955       0.893 0.923  0.909   12.03
 86)  n-propylbenzene
           4.268 3.027 3.199 3.419 3.457 3.287 3.391       3.605 3.643  3.477   10.15
 87)  2-chlorotoluene
           2.820 1.885 1.996 2.135 2.122 2.064 2.113       2.250 2.299  2.187   12.23
 88)  4-chlorotoluene
           2.948 1.964 2.116 2.180 2.175 2.155 2.203       2.275 2.307  2.258   12.25
 89)  1,3,5-trimethylbenzene
           3.114 2.216 2.268 2.433 2.433 2.390 2.459       2.557 2.576  2.494   10.45
 90)  tert-butylbenzene
           1.869 1.230 1.404 1.448 1.464 1.412 1.468       1.542 1.532  1.485   11.45
 91)  1,2,4-trimethylbenzene
           3.211 2.284 2.298 2.429 2.443 2.413 2.471       2.551 2.585  2.520   11.01
 92)  sec-butylbenzene
           3.698 2.830 3.074 3.161 3.233 3.094 3.183       3.362 3.395  3.225    7.54
 93)  1,3-dichlorobenzene
           1.866 1.287 1.343 1.468 1.485 1.486 1.515       1.526 1.548  1.503   10.75
 94)  p-isopropyltoluene
           2.921 2.151 2.388 2.535 2.576 2.525 2.584       2.669 2.688  2.560    8.26
 95)  1,4-dichlorobenzene
           3.035 1.816 1.548 1.488 1.493 1.493 1.498       1.520 1.632  1.725   29.14
            ---- Linear regression ----  Coefficient =  1.0000
              Response Ratio = 0.01060 + 1.49497 *A

 96)  1,2-dichlorobenzene
           1.836 1.333 1.362 1.472 1.474 1.495 1.503       1.496 1.523  1.499    9.48
 97)  n-butylbenzene
           3.264 2.446 2.546 2.561 2.622 2.548 2.578       2.711 2.775  2.672    9.05
 98)  1,2-dibromo-3-chloropropane
                      0.154 0.146 0.153 0.154 0.155       0.153 0.177  0.156    6.18
 99)  1,3,5-trichlorobenzene
           1.405 1.004 1.073 1.080 1.104 1.099 1.124       1.177 1.193  1.140   10.01
100)  1,2,4-trichlorobenzene
           1.434 0.946 0.986 1.008 1.047 1.044 1.054       1.095 1.139  1.084   13.21
101)  hexachlorobutadiene
           0.804 0.615 0.541 0.509 0.518 0.500 0.525       0.569 0.592  0.575   16.42
102)  naphthalene
           3.228 2.226 2.142 2.259 2.304 2.295 2.292       2.360 2.513  2.402   13.56
103)  2-Methylnaphthalene
                      1.130 1.080 1.135 1.072 1.019       1.183 1.331  1.136    8.91
104)  1-Methylnaphthalene
                      0.947 0.855 0.860 0.792 0.731       0.937 1.050  0.882   12.01
105)  1,2,3-trichlorobenzene
           1.313 0.910 0.865 0.891 0.925 0.904 0.928       0.980 1.060  0.975   14.26
```

Initial Calibration Summary

Job Number: MC26923 **Sample:** MSU756-ICC756
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U15218.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
--------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          U131017W.m        Wed Nov 06 08:14:03 2013
```

Initial Calibration Verification

Job Number: MC26923 **Sample:** MSU756-ICV756
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U15224.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : D:\msdchem\1\data\u131017\U15224.D Vial: 16
Acq On : 17 Oct 2013 7:24 pm Operator: jaclynb
Sample : icv756-50 Inst : MSU
Misc : MS30140,MSU756,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\msdchem\1\methods\U131017W.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Nov 05 19:17:58 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	99	0.00	6.55
2	P	tertiary butyl alcohol	0.952	1.095	-15.0	116	0.00	6.27
3	P	Ethanol	0.147	0.134	8.8	95	-0.02	5.45
4	I	pentafluorobenzene	1.000	1.000	0.0	105	0.00	8.98
5	P	dichlorodifluoromethane	0.463	0.599	-29.4#	133	0.00	4.25
6	P	chloromethane	0.682	0.907	-33.0#	137	0.00	4.49
7	P	vinyl chloride	0.669	0.667	0.3	106	0.00	4.74
8	P	bromomethane	0.284	0.342	-20.4#	130	0.00	5.23
9	P	chloroethane	0.287	0.329	-14.6	127	0.00	5.39
10	P	ethyl ether	0.444	0.496	-11.7	116	0.00	6.27
11	P	acetonitrile	0.076	0.068	10.5	116	0.00	5.93
12	P	trichlorofluoromethane	0.684	0.733	-7.2	112	0.00	6.04
13	P	freon-113	0.398	0.441	-10.8	119	0.00	6.81
14	P	acrolein	0.077	0.108	-40.3#	144	0.00	6.02
15	P	1,1-dichloroethene	0.384	0.437	-13.8	122	0.00	6.61
16	P	acetone	0.078	0.082#	-5.1	107	0.00	6.16
17	P	Methyl Acetate	0.613	0.492	19.7	86	0.00	6.79
18	P	methylene chloride	0.482	0.546	-13.3	123	0.00	6.76
19	P	methyl tert butyl ether	1.386	1.474	-6.3	112	0.00	7.57
20	P	acrylonitrile	0.214	0.240	-12.1	110	0.00	6.66
21	P	allyl chloride	0.906	1.011	-11.6	125	0.00	6.86
22	P	trans-1,2-dichloroethene	0.447	0.513	-14.8	126	0.00	7.45
23	P	iodomethane	0.694	0.775	-11.7	118	0.00	6.67
24	P	carbon disulfide	1.368	1.649	-20.5#	127	0.00	7.04
25	P	propionitrile	0.043	0.052	-20.9#	125	0.00	8.08
26	P	vinyl acetate	1.121	1.313	-17.1	118	0.00	7.81
27	P	chloroprene	0.849	1.019	-20.0#	126	0.00	8.08
28	P	di-isopropyl ether	2.031	2.149	-5.8	114	0.00	8.12
29	P	methacrylonitrile	0.360	0.384	-6.7	111	0.00	8.23
30	P	2-butanone	0.065	0.073#	-12.3	112	0.00	8.13
31	P	Ethyl Acetate	1.785	1.935	-8.4	116	0.00	8.12
32	P	Hexane	0.930	0.979	-5.3	116	0.00	8.10
33	P	1,1-dichloroethane	0.944	1.106	-17.2	124	0.00	7.71
34	P	tert-butyl ethyl ether	1.756	1.984	-13.0	118	0.00	8.52
35	P	isobutyl alcohol	0.064	0.069	-7.8	116	0.00	8.54
36	P	2,2-dichloropropane	0.584	0.747	-27.9#	131	0.00	8.58
37	P	cis-1,2-dichloroethene	0.507	0.566	-11.6	122	0.00	8.28
38	P	bromochloromethane	0.220	0.252	-14.5	119	0.00	8.45
39	P	chloroform	0.682	0.729	-6.9	117	0.00	10.33
40	S	dibromofluoromethane (s)	0.385	0.408	-6.0	116	0.00	8.61
41	P	Tetrahydrofuran	0.177	0.175	1.1	105	0.00	8.83

Initial Calibration Verification

Job Number: MC26923 **Sample:** MSU756-ICV756
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U15224.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42	P	1,1,1-trichloroethane	0.681	0.787	-15.6	120	0.00	9.25
43	I	1,4-difluorobenzene	1.000	1.000	0.0	105	0.00	9.85
44	P	Cyclohexane	0.618	0.638	-3.2	107	0.00	9.53
45	P	carbon tetrachloride	0.361	0.417	-15.5	119	0.00	9.61
46	P	1,1-dichloropropene	0.401	0.467	-16.5	124	0.00	9.42
		----------	Amount	Calc.	%Drift	----------		
47	P	benzene	50.000	58.538	-17.1	120	0.00	9.65
		----------	AvgRF	CCRF	%Dev	----------		
48	P	1,2-dichloroethane	0.450	0.500	-11.1	119	0.00	9.15
49	P	tert-amyl methyl ether	0.910	0.997	-9.6	116	0.00	9.78
50	P	heptane	0.365	0.410	-12.3	113	0.00	9.77
51	P	trichloroethene	0.353	0.409	-15.9	120	0.00	10.27
52	P	1,2-dichloropropane	0.364	0.410	-12.6	118	0.00	10.24
53	P	dibromomethane	0.192	0.223	-16.1	116	0.00	10.21
54	P	bromodichloromethane	0.420	0.471	-12.1	117	0.00	10.33
55	P	Methylcyclohexane	0.496	0.546	-10.1	117	0.00	10.79
56	P	2-chloroethyl vinyl ether	0.184	0.262	-42.4#	142	0.00	10.71
57	P	methyl methacrylate	0.191	0.223	-16.8	111	0.00	10.43
		----------	Amount	Calc.	%Drift	----------		
58	P	1,4-dioxane	250.000	233.398	6.6	106	0.00	10.44
		----------	AvgRF	CCRF	%Dev	----------		
59	P	cis-1,3-dichloropropene	0.570	0.591	-3.7	115	0.00	10.95
60	S	toluene-d8 (s)	1.031	1.126	-9.2	119	0.00	11.66
61	P	4-methyl-2-pentanone	0.369	0.397	-7.6	111	0.00	11.05
62	P	toluene	0.745	0.829	-11.3	120	0.00	11.73
63	P	trans-1,3-dichloropropene	0.486	0.544	-11.9	125	0.00	11.37
64	P	1,1,2-trichloroethane	0.235	0.258	-9.8	116	0.00	11.54
65	P	ethyl methacrylate	0.400	0.439	-9.7	112	0.00	11.75
66	I	chlorobenzene-d5	1.000	1.000	0.0	104	0.00	13.12
67	P	tetrachloroethene	0.603	0.672	-11.4	122	0.00	12.47
68	P	1,3-dichloropropane	0.884	0.995	-12.6	116	0.00	11.78
69	P	dibromochloromethane	0.599	0.653	-9.0	119	0.00	12.07
70	P	1,2-dibromoethane	0.544	0.607	-11.6	117	0.00	12.32
71	P	2-hexanone	0.621	0.633	-1.9	103	0.00	11.93
		----------	Amount	Calc.	%Drift	----------		
72	P	chlorobenzene	50.000	54.668	-9.3	113	0.00	13.15
		----------	AvgRF	CCRF	%Dev	----------		
73	P	1,1,1,2-tetrachloroethane	0.552	0.640	-15.9	121	0.00	13.07
74	P	ethylbenzene	2.852	3.134	-9.9	121	0.00	13.33
75	P	m,p-xylene	1.099	1.182	-7.6	118	0.00	13.51
76	P	o-xylene	1.085	1.173	-8.1	116	0.00	13.93
77	P	styrene	1.722	1.957	-13.6	119	0.00	13.86
78	P	bromoform	0.436	0.480	-10.1	111	0.00	13.68
79	P	trans-1,4-dichloro-2-bute	0.279	0.301	-7.9	111	0.00	14.08
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	15.69
81	P	isopropylbenzene	2.784	3.167	-13.8	115	0.00	14.29
82	S	bromofluorobenzene (s)	0.870	0.962	-10.6	116	0.00	14.35
83	P	bromobenzene	0.738	0.851	-15.3	117	0.00	14.58
		----------	Amount	Calc.	%Drift	----------		
84	P	1,1,2,2-tetrachloroethane	50.000	56.423	-12.8	118	0.00	13.93

Initial Calibration Verification

Job Number: MC26923 **Sample:** MSU756-ICV756
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U15224.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			AvgRF	CCRF	%Dev			
85	P	1,2,3-trichloropropane	0.909	1.016	-11.8	114	0.00	14.08
86	P	n-propylbenzene	3.477	3.742	-7.6	111	0.00	14.74
87	P	2-chlorotoluene	2.187	2.373	-8.5	113	0.00	14.86
88	P	4-chlorotoluene	2.258	2.509	-11.1	117	0.00	14.93
89	P	1,3,5-trimethylbenzene	2.494	2.790	-11.9	116	0.00	15.02
90	P	tert-butylbenzene	1.485	1.619	-9.0	113	0.00	15.32
91	P	1,2,4-trimethylbenzene	2.520	2.785	-10.5	116	0.00	15.43
92	P	sec-butylbenzene	3.225	3.529	-9.4	113	0.00	15.54
93	P	1,3-dichlorobenzene	1.503	1.663	-10.6	115	0.00	15.65
94	P	p-isopropyltoluene	2.560	2.945	-15.0	118	0.00	15.72

			Amount	Calc.	%Drift			
95	P	1,4-dichlorobenzene	50.000	57.148	-14.3	117	0.00	15.71

			AvgRF	CCRF	%Dev			
96	P	1,2-dichlorobenzene	1.499	1.590	-6.1	110	0.00	16.08
97	P	n-butylbenzene	2.672	2.925	-9.5	116	0.00	16.14
98	P	1,2-dibromo-3-chloropropa	0.156	0.164	-5.1	114	0.00	16.57
99	P	1,3,5-trichlorobenzene	1.140	1.220	-7.0	115	0.00	17.38
100	P	1,2,4-trichlorobenzene	1.084	1.149	-6.0	116	0.00	17.92
101	P	hexachlorobutadiene	0.575	0.585	-1.7	117	0.00	18.21
102	P	naphthalene	2.402	2.474	-3.0	111	0.00	18.18
103	P	2-Methylnaphthalene	1.136	1.184	-4.2	111	0.00	19.55
104	P	1-Methylnaphthalene	0.882	0.894	-1.4	106	0.00	19.80
105	P	1,2,3-trichlorobenzene	0.975	0.988	-1.3	113	0.00	18.39

(#) = Out of Range SPCC's out = 2 CCC's out = 0
U15218.D U131017W.m Wed Nov 06 08:13:59 2013

Continuing Calibration Summary

Job Number: MC26923 **Sample:** MSU797-CC756
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U16653.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : D:\msdchem\1\data\U131209\U16653.D Vial: 3
Acq On : 9 Dec 2013 9:02 am Operator: garyk
Sample : cc756-50 Inst : MSU
Misc : ms30714,msu797,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\msdchem\1\methods\U131017W.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Nov 05 19:17:58 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	81	0.00	6.55
2	P	tertiary butyl alcohol	0.952	1.323	-39.0#	114	0.00	6.26
3	P	Ethanol	0.147	0.168	-14.3	97	0.03	5.50
4	I	pentafluorobenzene	1.000	1.000	0.0	112	0.00	8.97
5	P	dichlorodifluoromethane	0.463	0.428	7.6	101	0.00	4.24
6	P	chloromethane	0.682	0.919	-34.8#	149	0.03	4.52
7	P	vinyl chloride	0.669	0.640	4.3	108	0.00	4.75
8	P	bromomethane	0.284	0.295	-3.9	120	0.02	5.24
9	P	chloroethane	0.287	0.357	-24.4#	147	0.00	5.39
10	P	ethyl ether	0.444	0.460	-3.6	114	0.00	6.26
11	P	acetonitrile	0.076	0.139	-82.9#	253#	0.00	5.92
12	P	trichlorofluoromethane	0.684	0.706	-3.2	115	0.00	6.04
13	P	freon-113	0.398	0.420	-5.5	121	0.00	6.80
14	P	acrolein	0.077	0.008#	89.6#	11#	0.00	6.02
15	P	1,1-dichloroethene	0.384	0.408	-6.2	121	0.00	6.60
16	P	acetone	0.078	0.068#	12.8	95	-0.01	6.15
17	P	Methyl Acetate	0.613	0.575	6.2	107	0.00	6.79
18	P	methylene chloride	0.482	0.490	-1.7	118	0.00	6.75
19	P	methyl tert butyl ether	1.386	1.244	10.2	101	-0.01	7.56
20	P	acrylonitrile	0.214	0.449	-109.8#	219#	0.00	6.66
21	P	allyl chloride	0.906	1.026	-13.2	135	0.00	6.85
22	P	trans-1,2-dichloroethene	0.447	0.474	-6.0	125	0.00	7.45
23	P	iodomethane	0.694	0.678	2.3	111	0.00	6.66
24	P	carbon disulfide	1.368	1.415	-3.4	116	0.00	7.04
25	P	propionitrile	0.043	0.051	-18.6	132	0.00	8.07
26	P	vinyl acetate	1.121	1.362	-21.5#	131	-0.01	7.80
27	P	chloroprene	0.849	1.010	-19.0	134	0.00	8.07
28	P	di-isopropyl ether	2.031	2.358	-16.1	133	0.00	8.12
29	P	methacrylonitrile	0.360	0.403	-11.9	124	0.00	8.23
30	P	2-butanone	0.065	0.061#	6.2	101	0.00	8.12
31	P	Ethyl Acetate	1.785	2.027	-13.6	129	0.00	8.11
32	P	Hexane	0.930	1.048	-12.7	133	0.00	8.09
33	P	1,1-dichloroethane	0.944	1.052	-11.4	126	0.00	7.70
34	P	tert-butyl ethyl ether	1.756	1.828	-4.1	116	0.00	8.52
35	P	isobutyl alcohol	0.064	0.070	-9.4	127	0.00	8.54
36	P	2,2-dichloropropane	0.584	0.598	-2.4	112	0.00	8.57
37	P	cis-1,2-dichloroethene	0.507	0.523	-3.2	121	0.00	8.28
38	P	bromochloromethane	0.220	0.247	-12.3	124	0.00	8.44
39	P	chloroform	0.682	0.705	-3.4	120	0.00	10.32
40	S	dibromofluoromethane (s)	0.385	0.466	-21.0#	142	0.00	8.60
41	P	Tetrahydrofuran	0.177	0.181	-2.3	116	-0.01	8.82

Continuing Calibration Summary

Job Number: MC26923 **Sample:** MSU797-CC756
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U16653.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42	P	1,1,1-trichloroethane	0.681	0.743	-9.1	121	0.00	9.24
43	I	1,4-difluorobenzene	1.000	1.000	0.0	111	0.00	9.84
44	P	Cyclohexane	0.618	0.696	-12.6	123	0.00	9.53
45	P	carbon tetrachloride	0.361	0.392	-8.6	118	0.00	9.61
46	P	1,1-dichloropropene	0.401	0.443	-10.5	125	0.00	9.41
		----------	Amount	Calc.	%Drift	----------		
47	P	benzene	50.000	56.224	-12.4	122	0.00	9.64
		----------	AvgRF	CCRF	%Dev	----------		
48	P	1,2-dichloroethane	0.450	0.477	-6.0	120	0.00	9.14
49	P	tert-amyl methyl ether	0.910	0.895	1.6	110	0.00	9.77
50	P	heptane	0.365	0.426	-16.7	124	0.00	9.77
51	P	trichloroethene	0.353	0.353	0.0	110	0.00	10.26
52	P	1,2-dichloropropane	0.364	0.410	-12.6	125	0.00	10.23
53	P	dibromomethane	0.192	0.212	-10.4	117	0.00	10.20
54	P	bromodichloromethane	0.420	0.459	-9.3	120	0.00	10.32
55	P	Methylcyclohexane	0.496	0.587	-18.3	134	0.00	10.79
56	P	2-chloroethyl vinyl ether	0.184	0.217	-17.9	124	0.00	10.70
57	P	methyl methacrylate	0.191	0.195	-2.1	102	0.00	10.42
		----------	Amount	Calc.	%Drift	----------		
58	P	1,4-dioxane	250.000	159.629	36.1#	75	-0.02	10.43
		----------	AvgRF	CCRF	%Dev	----------		
59	P	cis-1,3-dichloropropene	0.570	0.546	4.2	113	0.00	10.94
60	S	toluene-d8 (s)	1.031	1.171	-13.6	131	0.00	11.65
61	P	4-methyl-2-pentanone	0.369	0.390	-5.7	115	-0.01	11.04
62	P	toluene	0.745	0.793	-6.4	122	0.00	11.72
63	P	trans-1,3-dichloropropene	0.486	0.484	0.4	117	0.00	11.36
64	P	1,1,2-trichloroethane	0.235	0.254	-8.1	121	0.00	11.53
65	P	ethyl methacrylate	0.400	0.385	3.8	104	-0.01	11.74
66	I	chlorobenzene-d5	1.000	1.000	0.0	106	0.00	13.11
67	P	tetrachloroethene	0.603	0.712	-18.1	131	0.00	12.46
68	P	1,3-dichloropropane	0.884	0.966	-9.3	115	0.00	11.77
69	P	dibromochloromethane	0.599	0.643	-7.3	119	0.00	12.06
70	P	1,2-dibromoethane	0.544	0.596	-9.6	117	0.00	12.31
71	P	2-hexanone	0.621	0.660	-6.3	109	-0.01	11.92
		----------	Amount	Calc.	%Drift	----------		
72	P	chlorobenzene	50.000	54.844	-9.7	115	0.00	13.14
		----------	AvgRF	CCRF	%Dev	----------		
73	P	1,1,1,2-tetrachloroethane	0.552	0.647	-17.2	124	0.00	13.06
74	P	ethylbenzene	2.852	3.143	-10.2	124	0.00	13.32
75	P	m,p-xylene	1.099	1.175	-6.9	120	0.00	13.50
76	P	o-xylene	1.085	1.156	-6.5	116	0.00	13.92
77	P	styrene	1.722	1.920	-11.5	118	0.00	13.85
78	P	bromoform	0.436	0.435	0.2	102	0.00	13.67
79	P	trans-1,4-dichloro-2-bute	0.279	0.128	54.1#	48#	0.00	14.07
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	107	0.00	15.68
81	P	isopropylbenzene	2.784	3.089	-11.0	119	0.00	14.28
82	S	bromofluorobenzene (s)	0.870	0.901	-3.6	115	-0.01	14.34
83	P	bromobenzene	0.738	0.842	-14.1	123	0.00	14.57
		----------	Amount	Calc.	%Drift	----------		
84	P	1,1,2,2-tetrachloroethane	50.000	64.495	-29.0#	143	0.00	13.92

Continuing Calibration Summary

Job Number: MC26923 **Sample:** MSU797-CC756
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U16653.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			AvgRF	CCRF	%Dev			
85	P	1,2,3-trichloropropane	0.909	0.709	22.0#	84	0.00	14.07
86	P	n-propylbenzene	3.477	3.652	-5.0	114	0.00	14.73
87	P	2-chlorotoluene	2.187	2.226	-1.8	112	0.00	14.85
88	P	4-chlorotoluene	2.258	2.321	-2.8	114	0.00	14.92
89	P	1,3,5-trimethylbenzene	2.494	2.638	-5.8	116	0.00	15.01
90	P	tert-butylbenzene	1.485	1.526	-2.8	113	0.00	15.31
91	P	1,2,4-trimethylbenzene	2.520	2.604	-3.3	115	0.00	15.42
92	P	sec-butylbenzene	3.225	3.516	-9.0	119	0.00	15.53
93	P	1,3-dichlorobenzene	1.503	1.626	-8.2	118	0.00	15.64
94	P	p-isopropyltoluene	2.560	2.875	-12.3	121	0.00	15.71

			Amount	Calc.	%Drift			
95	P	1,4-dichlorobenzene	50.000	54.569	-9.1	118	0.00	15.70

			AvgRF	CCRF	%Dev			
96	P	1,2-dichlorobenzene	1.499	1.573	-4.9	114	0.00	16.07
97	P	n-butylbenzene	2.672	2.874	-7.6	120	0.00	16.13
98	P	1,2-dibromo-3-chloropropa	0.156	0.137	12.2	100	0.00	16.56
99	P	1,3,5-trichlorobenzene	1.140	1.290	-13.2	128	0.00	17.37
100	P	1,2,4-trichlorobenzene	1.084	1.238	-14.2	131	0.00	17.91
101	P	hexachlorobutadiene	0.575	0.661	-15.0	139	-0.01	18.19
102	P	naphthalene	2.402	2.428	-1.1	115	-0.01	18.17
103	P	2-Methylnaphthalene	1.136	1.274	-12.1	126	-0.01	19.54
104	P	1-Methylnaphthalene	0.882	1.011	-14.6	126	-0.01	19.79
105	P	1,2,3-trichlorobenzene	0.975	1.086	-11.4	130	-0.01	18.38

(#) = Out of Range SPCC's out = 3 CCC's out = 0
U15218.D U131017W.m Mon Dec 09 11:52:51 2013

New England ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/10/13 10:40

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16669.D
Acq On : 9 Dec 2013 4:17 pm
Operator : garyk
Sample : mc26923-1
Misc : ms30722,msu797,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 10 08:40:10 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

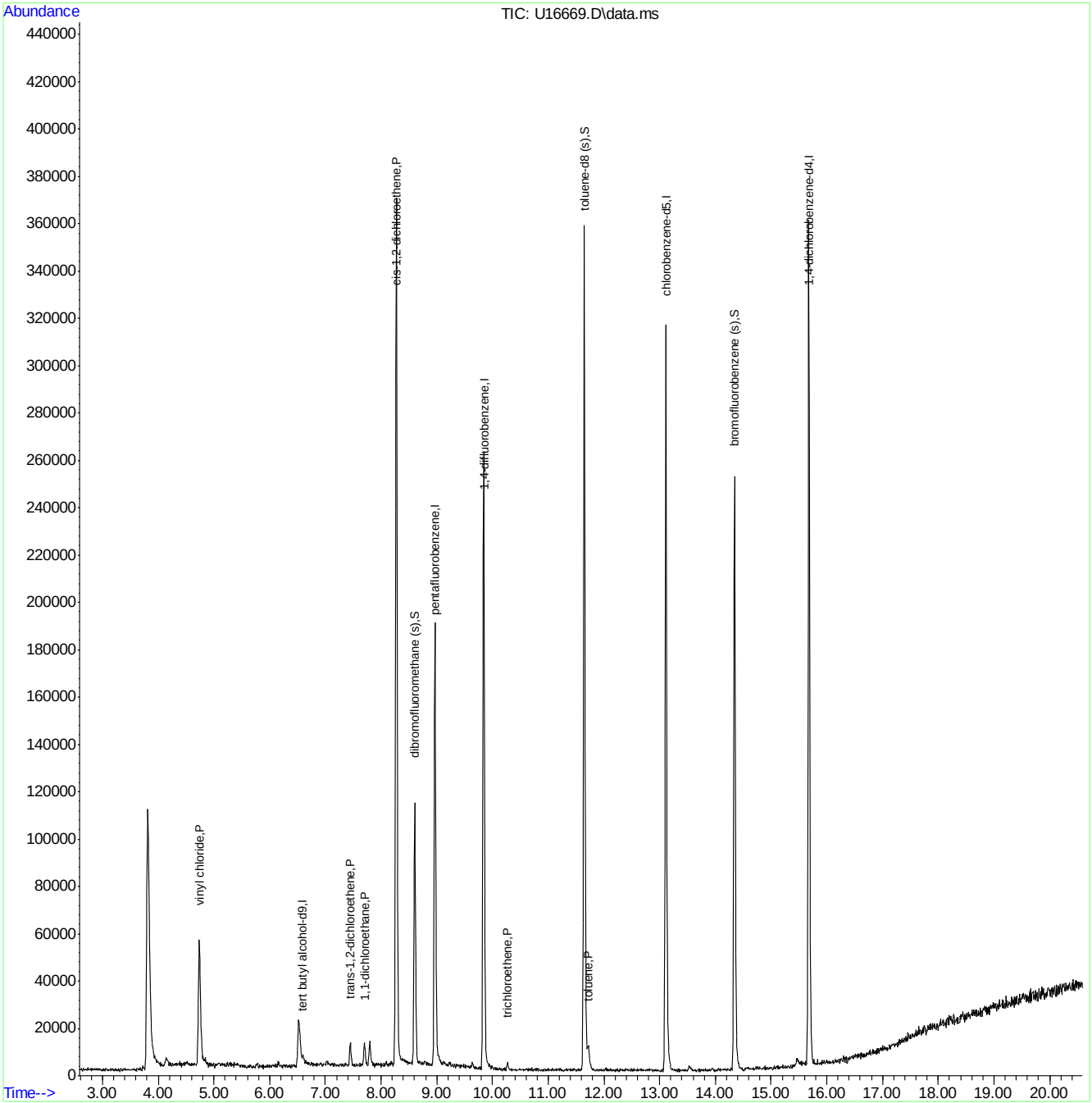
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.589	65	47850m	500.00	ppb		0.04
4) pentafluorobenzene	8.973	168	139975	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.845	114	211063	50.00	ppb		0.00
66) chlorobenzene-d5	13.115	82	107577	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.681	152	107667	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.605	113	67329	62.53	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 125.06%				
60) toluene-d8 (s)	11.651	98	249287	57.29	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 114.58%				
82) bromofluorobenzene (s)	14.346	95	98107	52.39	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.78%				
Target Compounds							Qvalue
7) vinyl chloride	4.745	62	83904	44.83	ppb		97
22) trans-1,2-dichloroethene	7.450	96	3948	3.16	ppb	#	80
33) 1,1-dichloroethane	7.703	63	10500	3.97	ppb		94
37) cis-1,2-dichloroethene	8.276	96	143599	101.26	ppb		94
51) trichloroethene	10.268	95	1032	0.69	ppb		86
62) toluene	11.724	92	2560	0.81	ppb	#	67

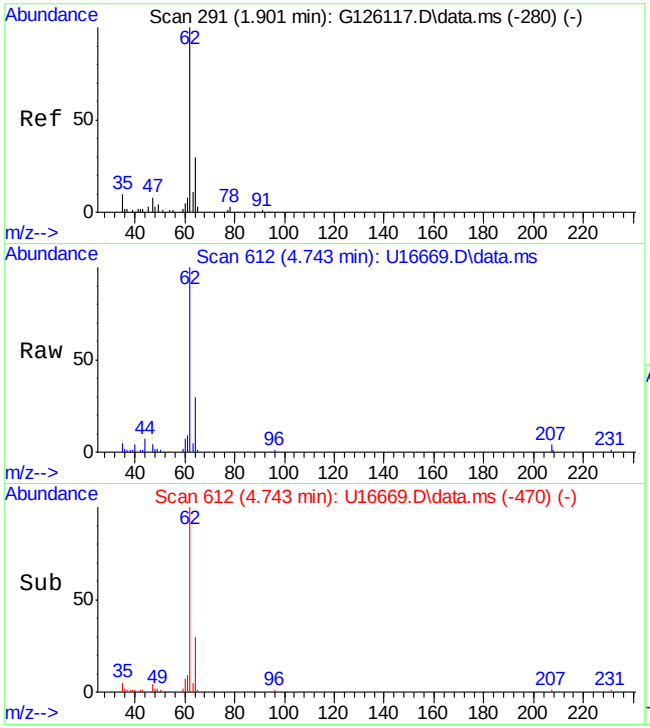
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16669.D
Acq On : 9 Dec 2013 4:17 pm
Operator : garyk
Sample : mc26923-1
Misc : ms30722,msu797,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 10 08:40:10 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

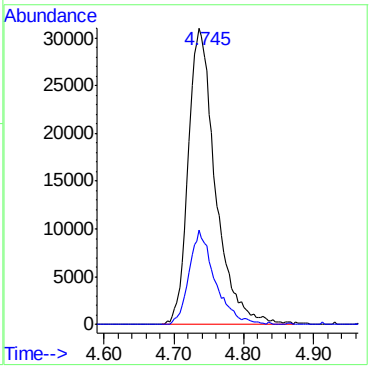


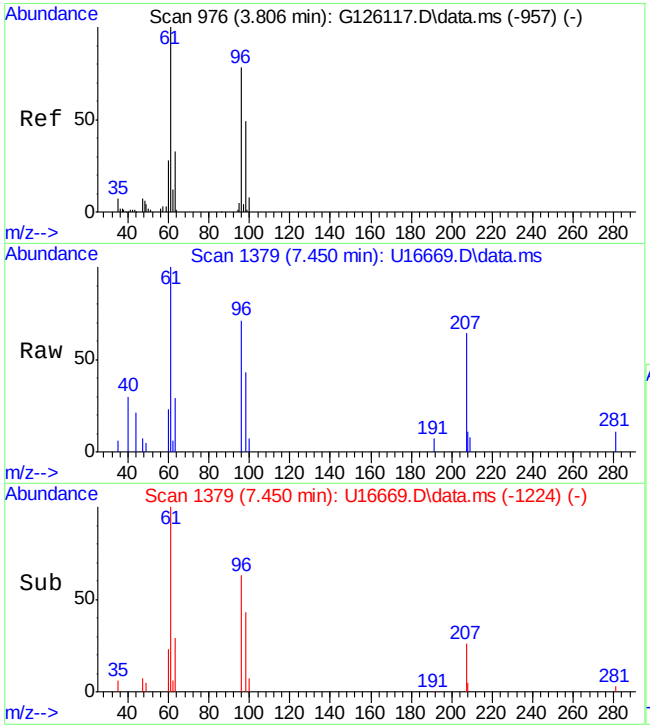


#7
vinyl chloride
Concen: 44.83 ppb
RT: 4.745 min Scan# 612
Delta R.T. 0.002 min
Lab File: U16669.D
Acq: 9 Dec 2013 4:17 pm

Tgt Ion: 62 Resp: 83904

Ion	Ratio	Lower	Upper
62	100		
64	30.3	1.8	61.8

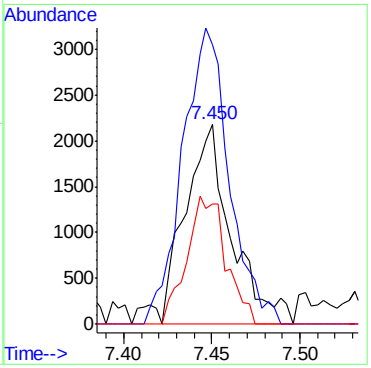


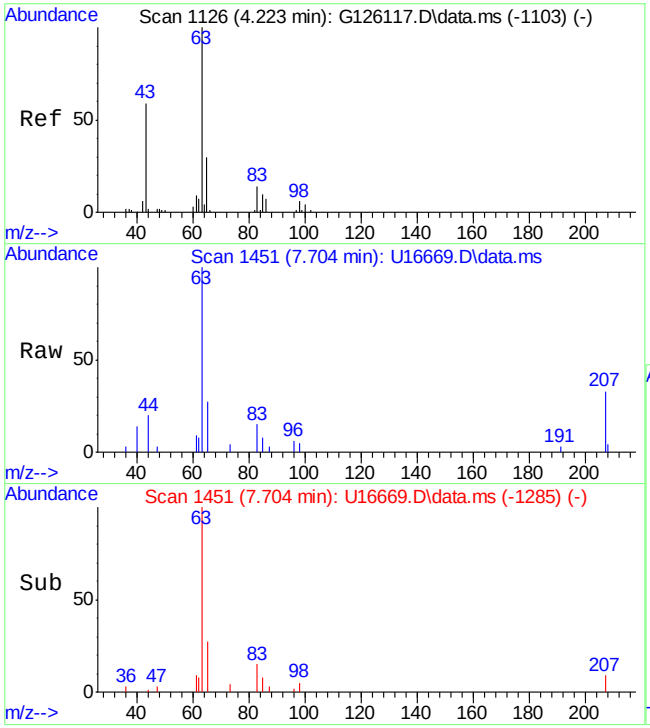


#22
trans-1,2-dichloroethene
Concen: 3.16 ppb
RT: 7.450 min Scan# 1379
Delta R.T. -0.004 min
Lab File: U16669.D
Acq: 9 Dec 2013 4:17 pm

Tgt Ion: 96 Resp: 3948

Ion	Ratio	Lower	Upper
96	100		
61	139.9	145.5	205.5#
98	60.2	35.2	95.2

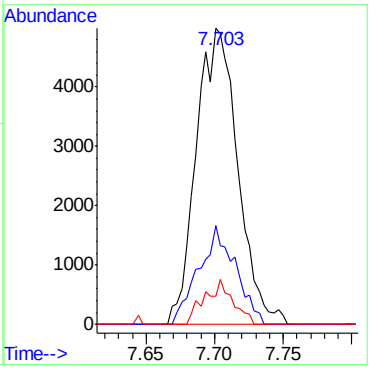


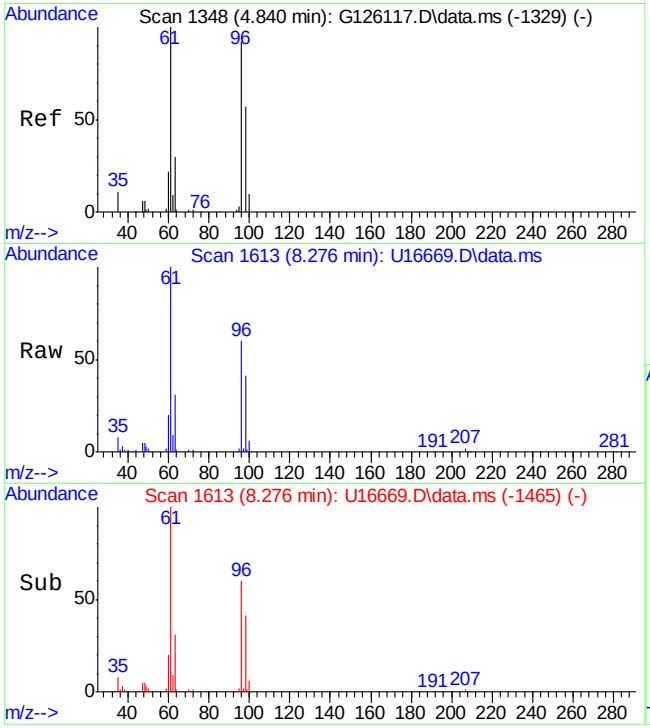


#33
1,1-dichloroethane
Concen: 3.97 ppb
RT: 7.703 min Scan# 1451
Delta R.T. -0.006 min
Lab File: U16669.D
Acq: 9 Dec 2013 4:17 pm

Tgt Ion: 63 Resp: 10500

Ion	Ratio	Lower	Upper
63	100		
65	26.9	0.0	59.7
83	15.3	0.0	41.8

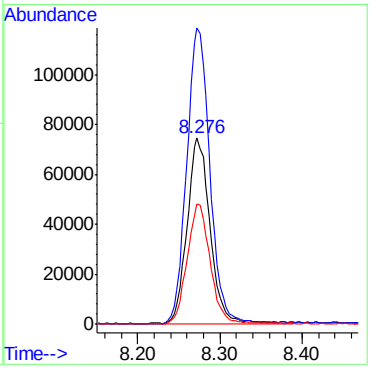


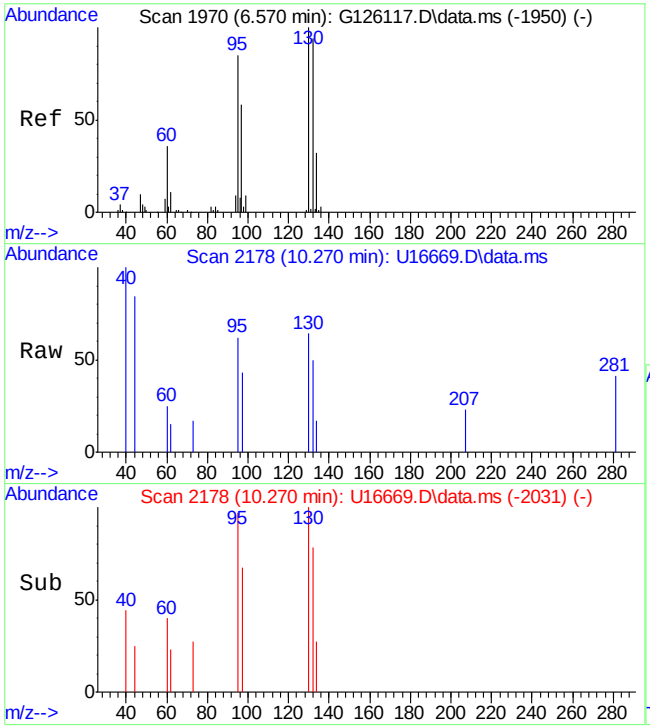


#37
cis-1,2-dichloroethene
Concen: 101.26 ppb
RT: 8.276 min Scan# 1613
Delta R.T. -0.007 min
Lab File: U16669.D
Acq: 9 Dec 2013 4:17 pm

Tgt Ion: 96 Resp: 143599

Ion	Ratio	Lower	Upper
96	100		
61	165.7	126.3	186.3
98	68.1	36.2	96.2

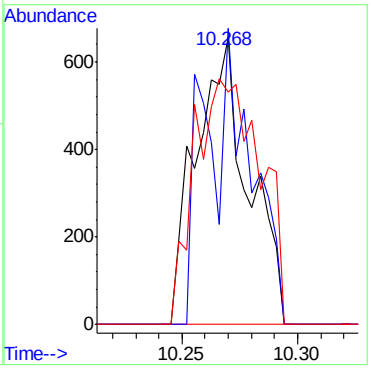


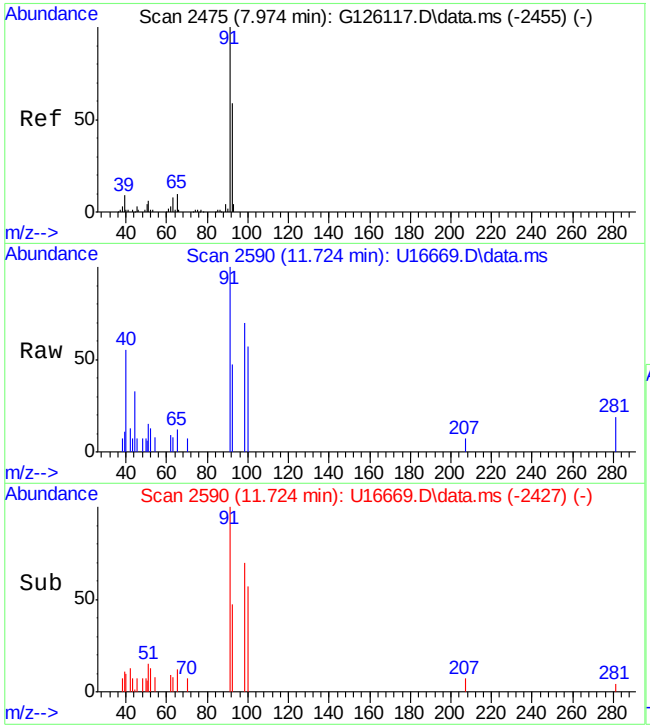


#51
trichloroethene
Concen: 0.69 ppb
RT: 10.268 min Scan# 2178
Delta R.T. -0.003 min
Lab File: U16669.D
Acq: 9 Dec 2013 4:17 pm

Tgt Ion: 95 Resp: 1032

Ion	Ratio	Lower	Upper
95	100		
130	103.0	58.8	118.8
132	80.7	62.5	122.5

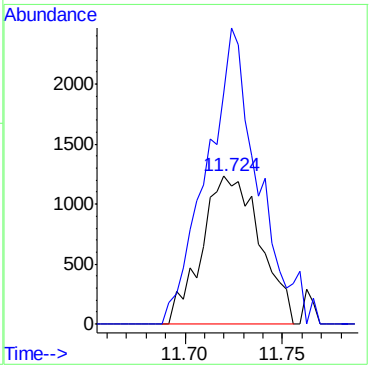




#62
toluene
Concen: 0.81 ppb
RT: 11.724 min Scan# 2590
Delta R.T. -0.004 min
Lab File: U16669.D
Acq: 9 Dec 2013 4:17 pm

Tgt Ion: 92 Resp: 2560

Ion	Ratio	Lower	Upper
92	100		
91	214.2	139.2	199.2#



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U131209\
Data File : U16669.D
Acq On : 9 Dec 2013 4:17 pm
Operator : garyk
Sample : mc26923-1
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U131017W.m
Title : SW-846 Method 8260

Signal : TIC: U16669.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.736	579	610	664	rVB	53613	161382	22.01%	3.529%
2	6.518	1099	1115	1159	rBV3	20241	84294	11.50%	1.843%
3	8.272	1569	1612	1654	rBV	366873	733248	100.00%	16.033%
4	8.604	1689	1706	1759	rVB2	111001	227276	31.00%	4.970%
5	8.964	1784	1808	1874	rVB	187240	382977	52.23%	8.374%
6	9.839	2029	2056	2109	rVB	261260	513281	70.00%	11.223%
7	11.646	2549	2568	2634	rVB2	357283	697969	95.19%	15.262%
8	13.111	2959	2983	3034	rBV2	315644	609254	83.09%	13.322%
9	14.342	3314	3332	3369	rBV2	250801	486830	66.39%	10.645%
10	15.676	3694	3710	3774	rBV	357099	676812	92.30%	14.799%

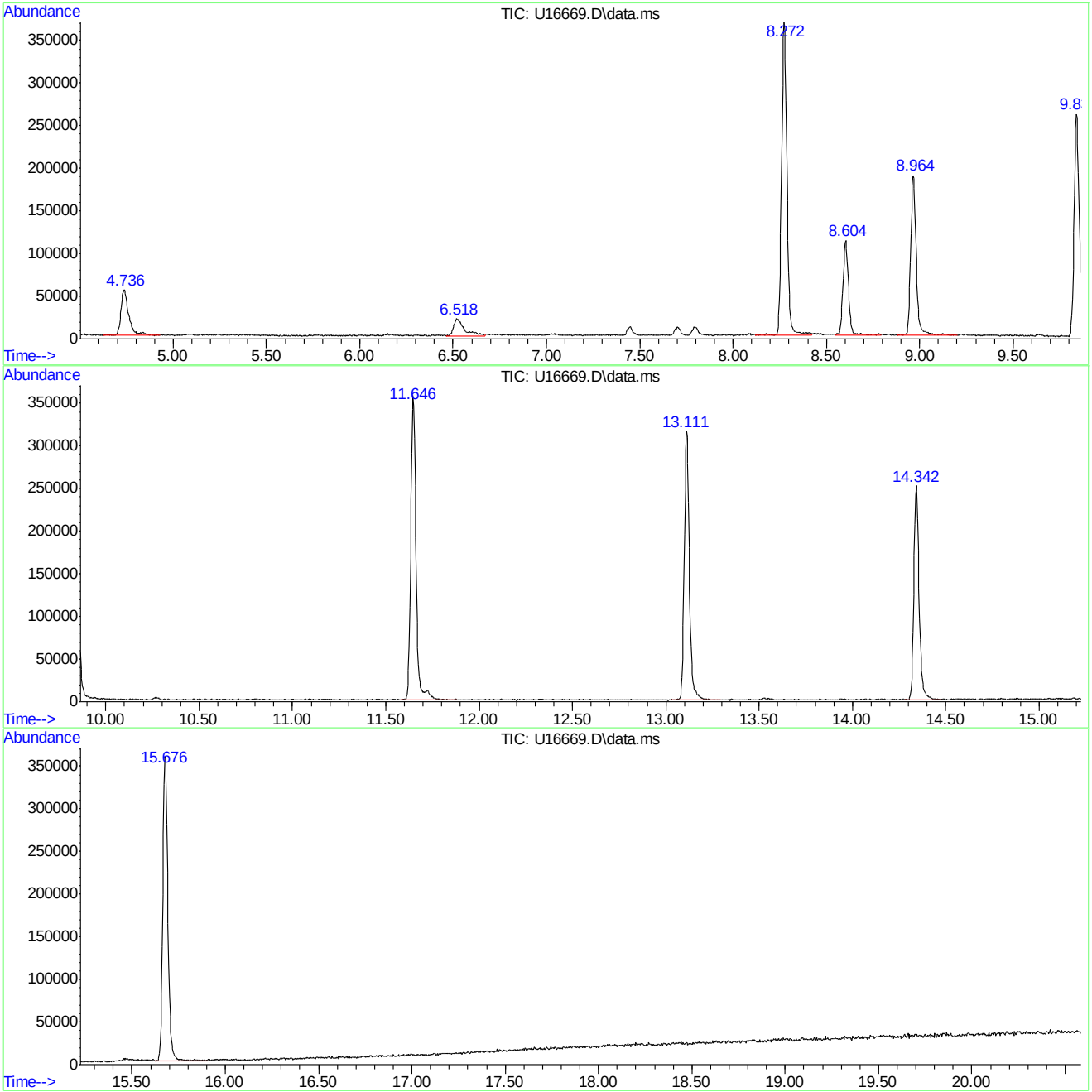
Sum of corrected areas: 4573323

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U131209\
Data File : U16669.D
Acq On : 9 Dec 2013 4:17 pm
Operator : garyk
Sample : mc26923-1
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U131209\
Data File : U16669.D
Acq On : 9 Dec 2013 4:17 pm
Operator : garyk
Sample : mc26923-1
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U131209\
Data File : U16669.D
Acq On : 9 Dec 2013 4:17 pm
Operator : garyk
Sample : mc26923-1
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83096.D
Acq On : 10 Dec 2013 1:07 pm
Operator : jaclynb
Sample : mc26923-2
Misc : ms30722,MSN3101,,,,5,20
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 10 14:06:53 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

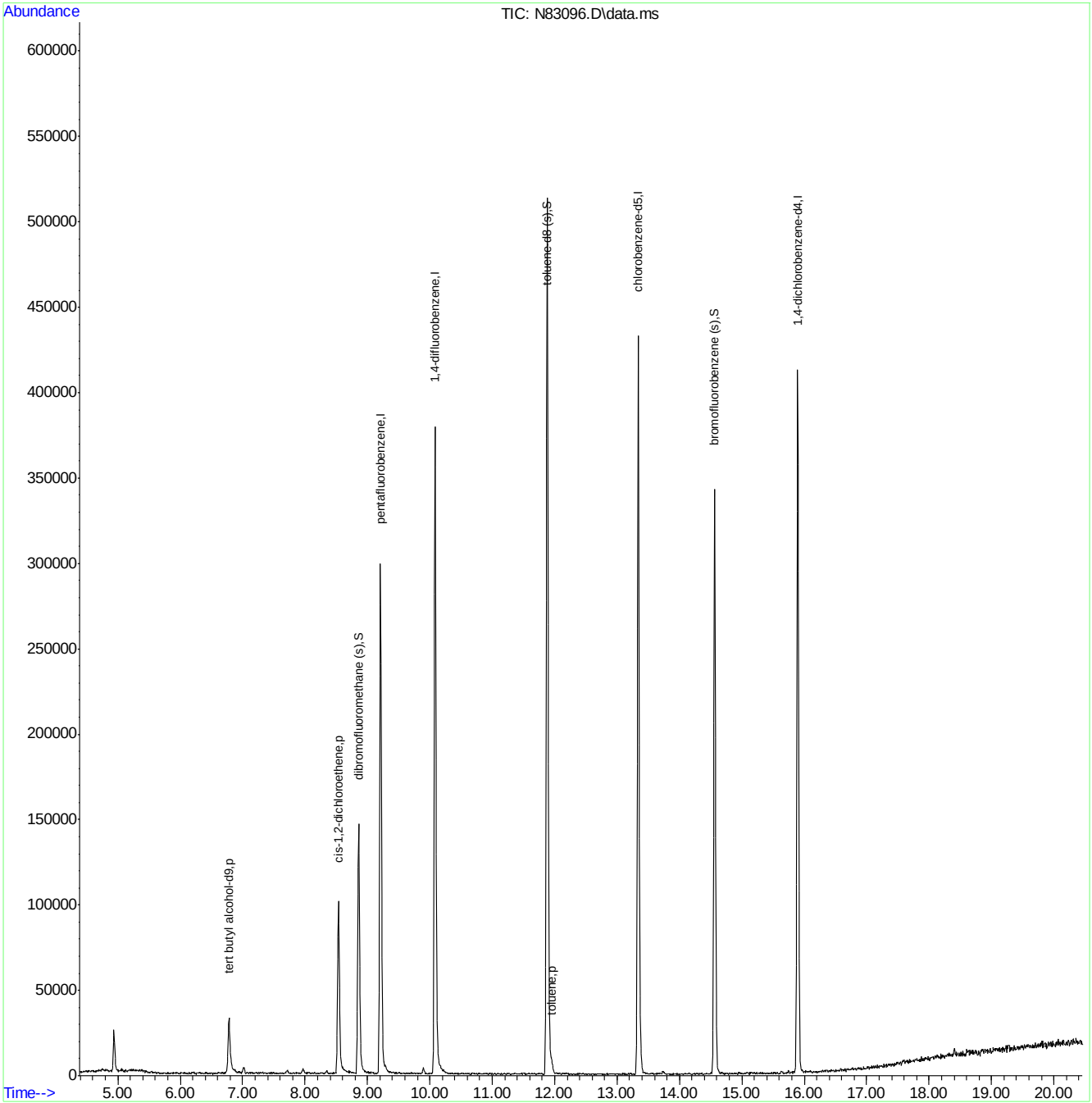
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.784	65	51305	500.00	ug/L	0.02
4) pentafluorobenzene	9.212	168	217717	50.00	ug/L	0.00
43) 1,4-difluorobenzene	10.086	114	316067	50.00	ug/L	0.00
66) chlorobenzene-d5	13.338	82	160766	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.894	152	115932	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.859	113	93878	44.12	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 88.24%			
60) toluene-d8 (s)	11.882	98	381280	49.95	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.90%			
82) bromofluorobenzene (s)	14.561	95	133109	54.33	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.66%			
Target Compounds						Qvalue
36) cis-1,2-dichloroethene	8.530	96	48598	18.19	ug/L	89
62) toluene	11.952	92	870	0.16	ug/L #	75

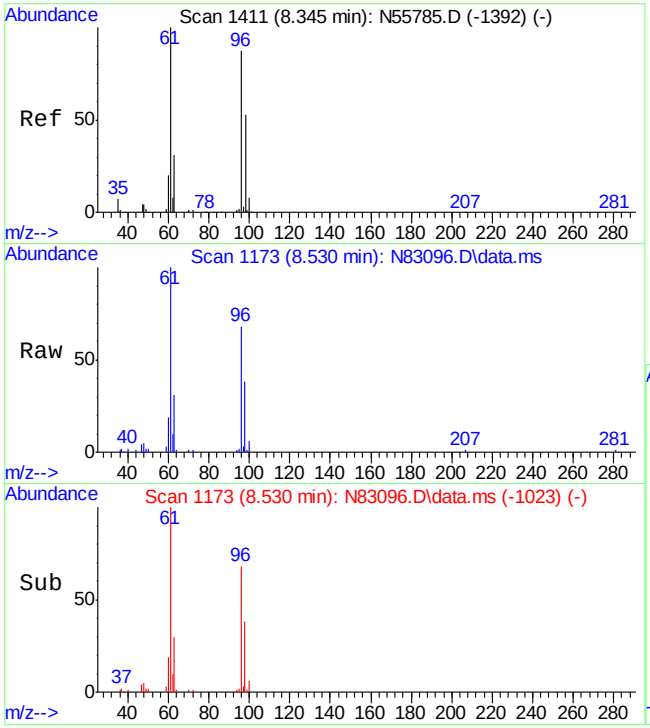
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83096.D
Acq On : 10 Dec 2013 1:07 pm
Operator : jaclynb
Sample : mc26923-2
Misc : ms30722,MSN3101,,,,5,20
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 10 14:06:53 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

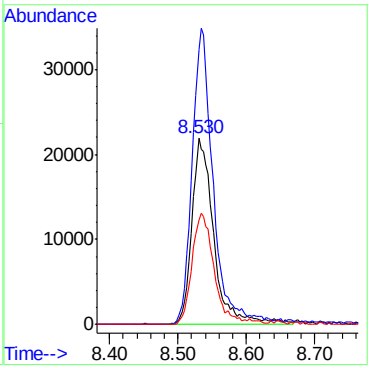


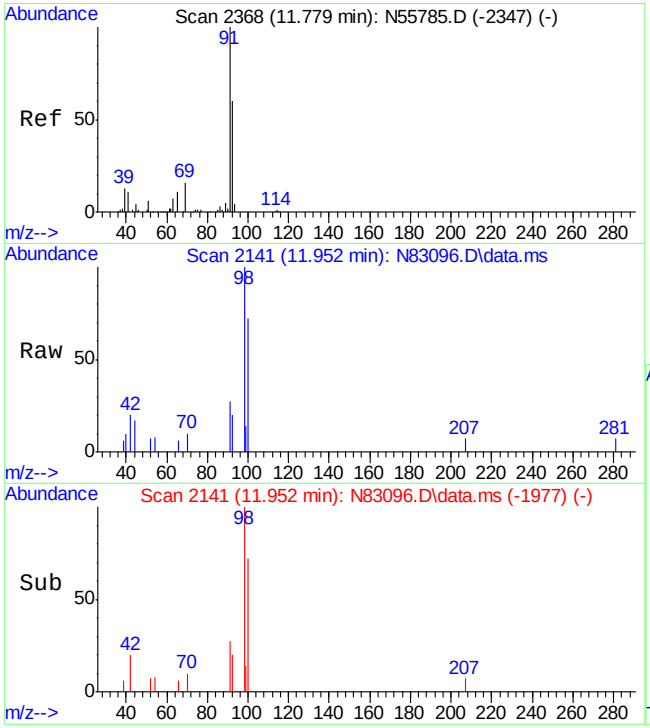


#36
cis-1,2-dichloroethene
Concen: 18.19 ug/L
RT: 8.530 min Scan# 1173
Delta R.T. 0.000 min
Lab File: N83096.D
Acq: 10 Dec 2013 1:07 pm

Tgt Ion: 96 Resp: 48598

Ion	Ratio	Lower	Upper
96	100		
61	147.3	131.2	191.2
98	56.0	36.1	96.1

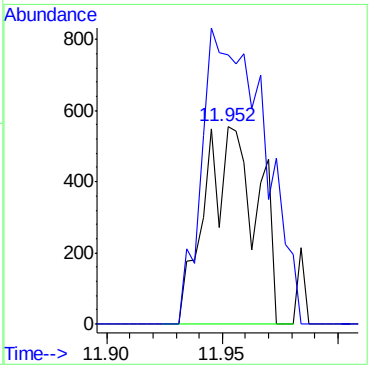




#62
toluene
Concen: 0.16 ug/L
RT: 11.952 min Scan# 2141
Delta R.T. 0.000 min
Lab File: N83096.D
Acq: 10 Dec 2013 1:07 pm

Tgt Ion: 92 Resp: 870

Ion	Ratio	Lower	Upper
92	100		
91	136.0	140.8	200.8#



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/10/13 14:53

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16670.D
Acq On : 9 Dec 2013 4:44 pm
Operator : garyk
Sample : mc26923-2
Misc : ms30722,msu797,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 10 08:41:55 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

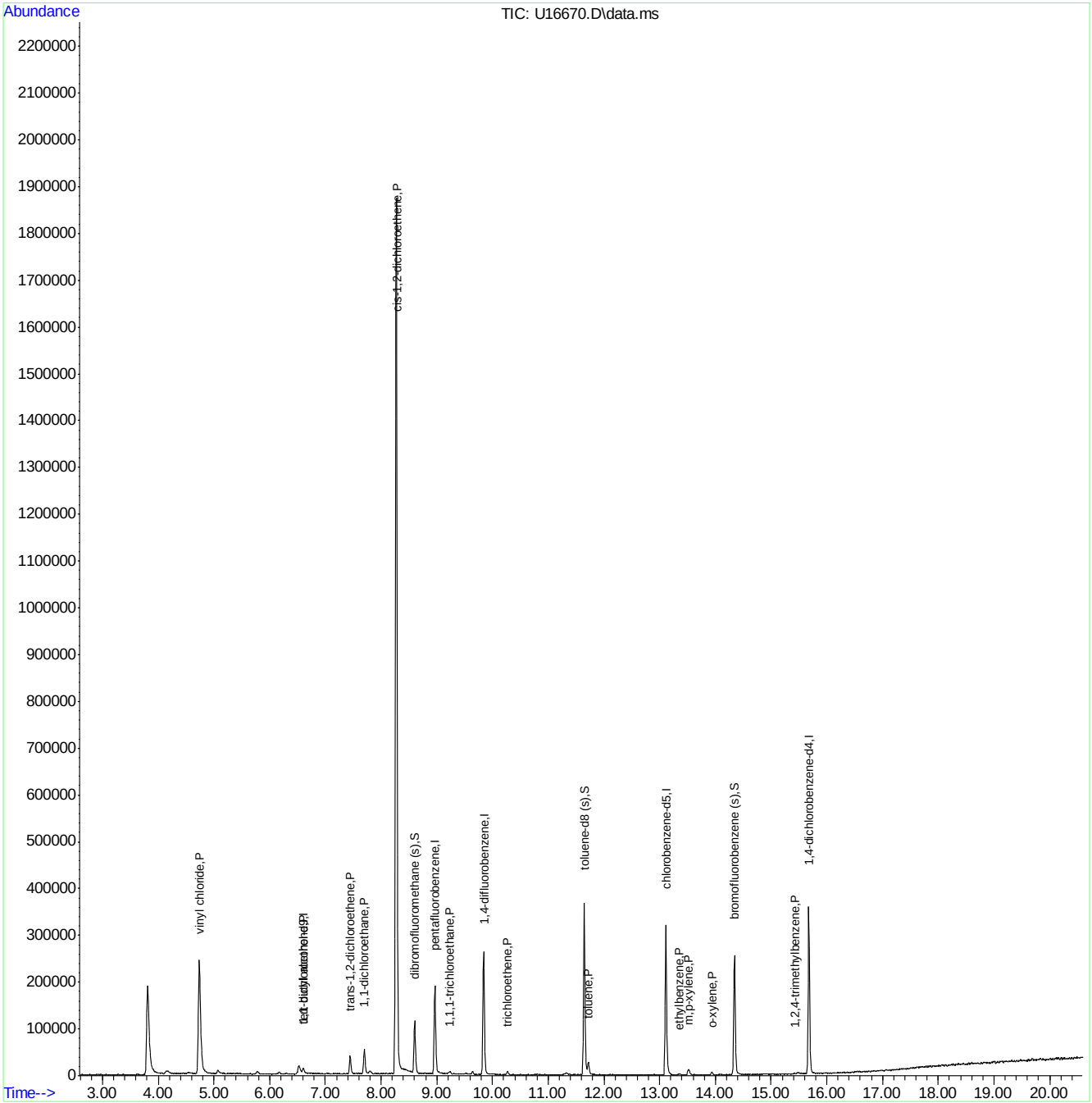
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.607	65	48281m	500.00	ppb		0.05
4) pentafluorobenzene	8.970	168	140013	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.846	114	215892	50.00	ppb		0.00
66) chlorobenzene-d5	13.114	82	108011	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.681	152	106156	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.604	113	67364	62.55	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 125.10%				
60) toluene-d8 (s)	11.650	98	253815	57.02	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 114.04%				
82) bromofluorobenzene (s)	14.345	95	99212	53.74	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.48%				
Target Compounds							Qvalue
7) vinyl chloride	4.747	62	412620	220.42	ppb		96
15) 1,1-dichloroethene	6.600	96	4190	3.90	ppb		94
22) trans-1,2-dichloroethene	7.446	96	14010	11.20	ppb		97
33) 1,1-dichloroethane	7.701	63	53301	20.17	ppb		99
37) cis-1,2-dichloroethene	8.279	96	768826	542.00	ppb		99
42) 1,1,1-trichloroethane	9.236	97	3696	1.94	ppb		85
51) trichloroethene	10.270	95	2326	1.52	ppb		93
62) toluene	11.725	92	9611	2.99	ppb		89
74) ethylbenzene	13.347	91	2069	0.34	ppb		73
75) m,p-xylene	13.524	106	5391	2.27	ppb	#	65
76) o-xylene	13.938	106	1732	0.74	ppb		85
91) 1,2,4-trimethylbenzene	15.425	105	1727	0.32	ppb		97

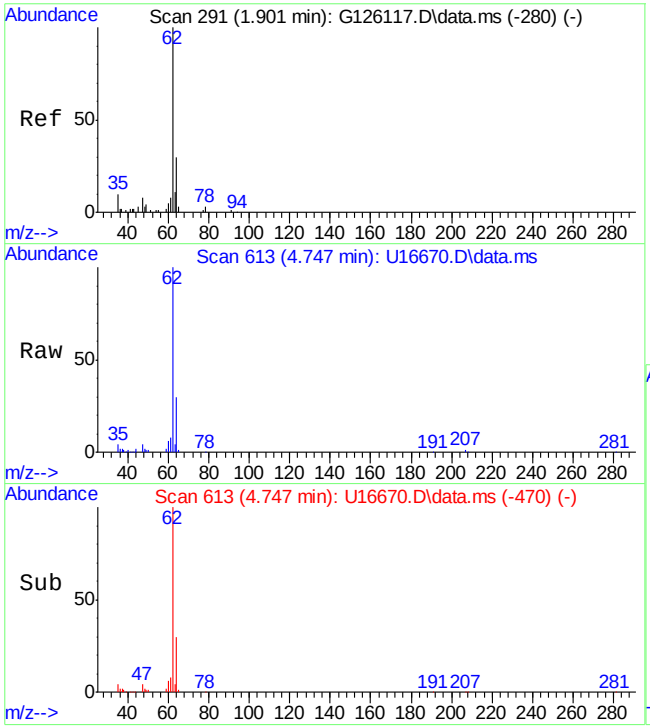
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16670.D
Acq On : 9 Dec 2013 4:44 pm
Operator : garyk
Sample : mc26923-2
Misc : ms30722,msu797,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 10 08:41:55 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

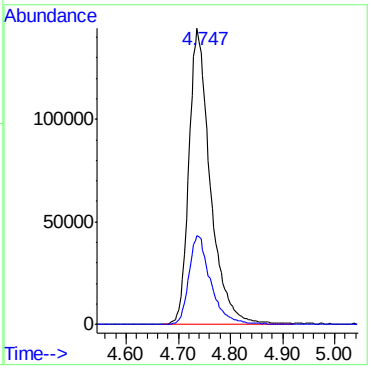


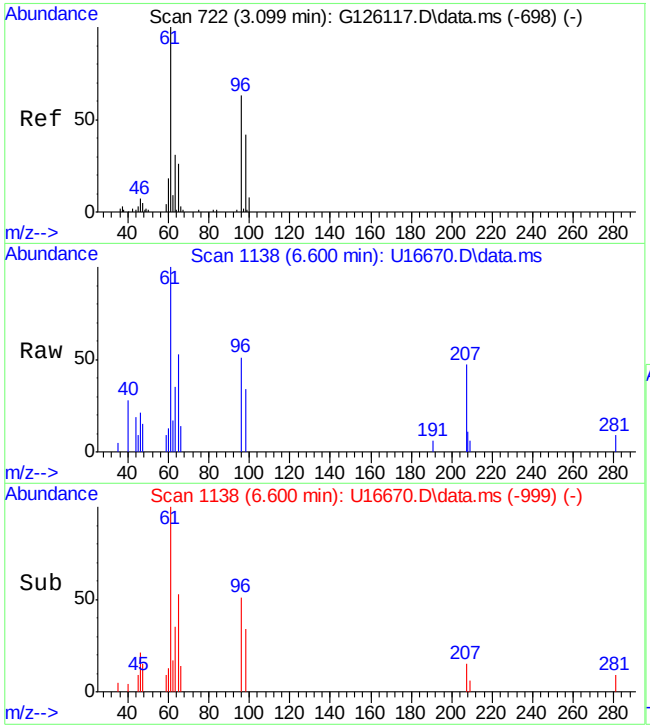


#7
vinyl chloride
Concen: 220.42 ppb
RT: 4.747 min Scan# 613
Delta R.T. 0.004 min
Lab File: U16670.D
Acq: 9 Dec 2013 4:44 pm

Tgt Ion: 62 Resp: 412620

Ion	Ratio	Lower	Upper
62	100		
64	29.7	1.8	61.8

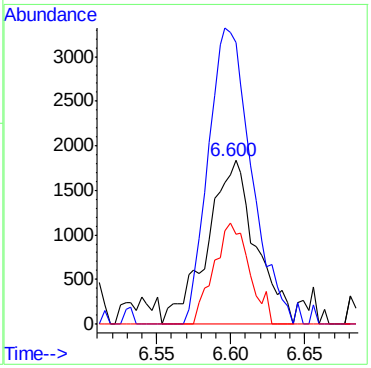


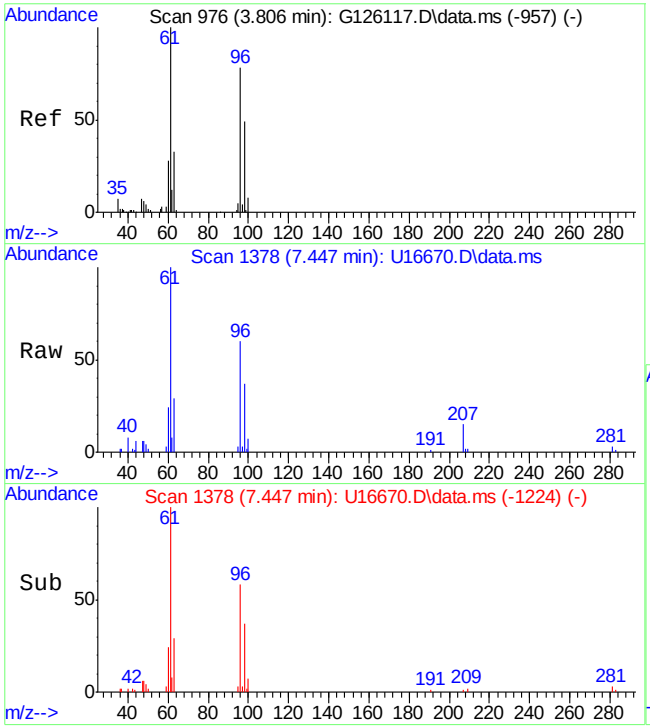


#15
1,1-dichloroethene
Concen: 3.90 ppb
RT: 6.600 min Scan# 1138
Delta R.T. -0.010 min
Lab File: U16670.D
Acq: 9 Dec 2013 4:44 pm

Tgt Ion: 96 Resp: 4190

Ion	Ratio	Lower	Upper
96	100		
61	194.5	158.7	218.7
63	67.6	27.6	87.6

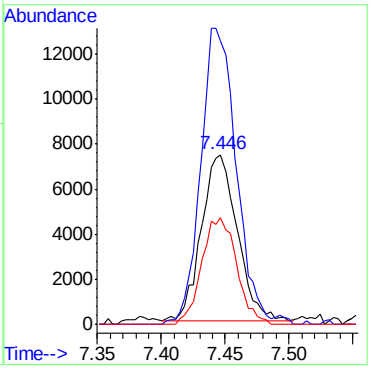


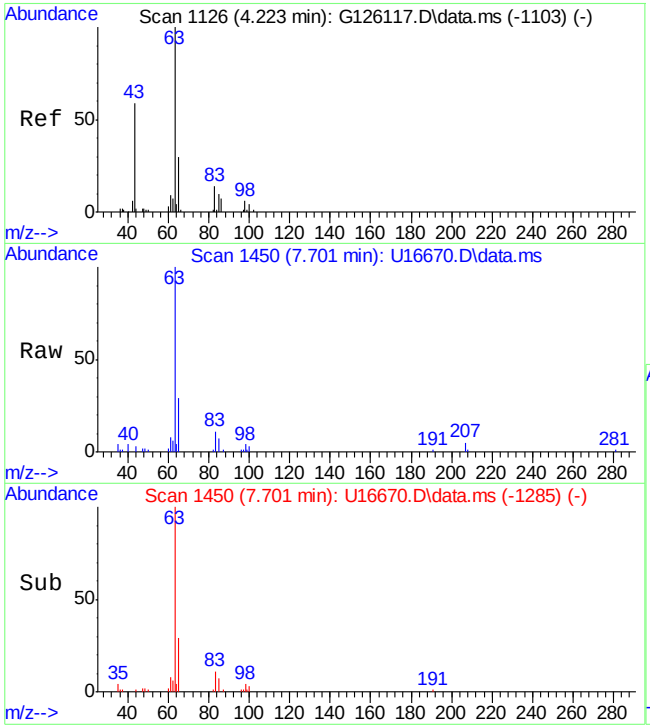


#22
trans-1,2-dichloroethene
Concen: 11.20 ppb
RT: 7.446 min Scan# 1378
Delta R.T. -0.008 min
Lab File: U16670.D
Acq: 9 Dec 2013 4:44 pm

Tgt Ion: 96 Resp: 14010

Ion	Ratio	Lower	Upper
96	100		
61	171.2	145.5	205.5
98	64.2	35.2	95.2

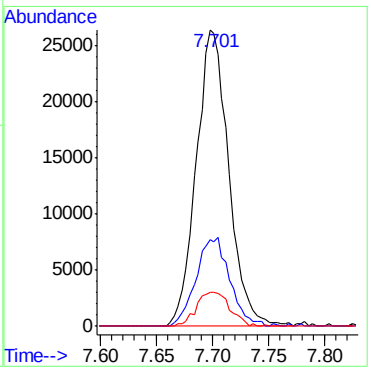


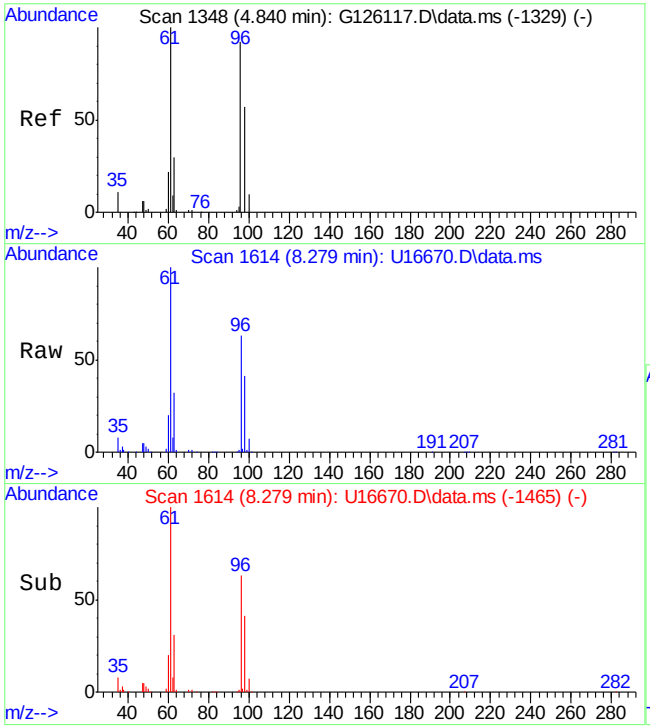


#33
1,1-dichloroethane
Concen: 20.17 ppb
RT: 7.701 min Scan# 1450
Delta R.T. -0.008 min
Lab File: U16670.D
Acq: 9 Dec 2013 4:44 pm

Tgt Ion: 63 Resp: 53301

Ion	Ratio	Lower	Upper
63	100		
65	28.8	0.0	59.7
83	11.4	0.0	41.8

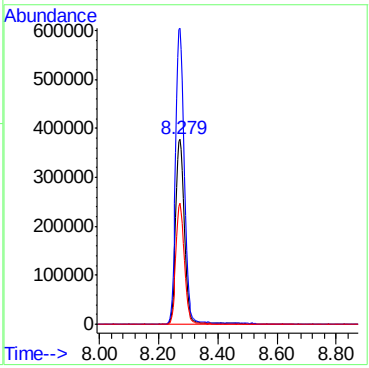


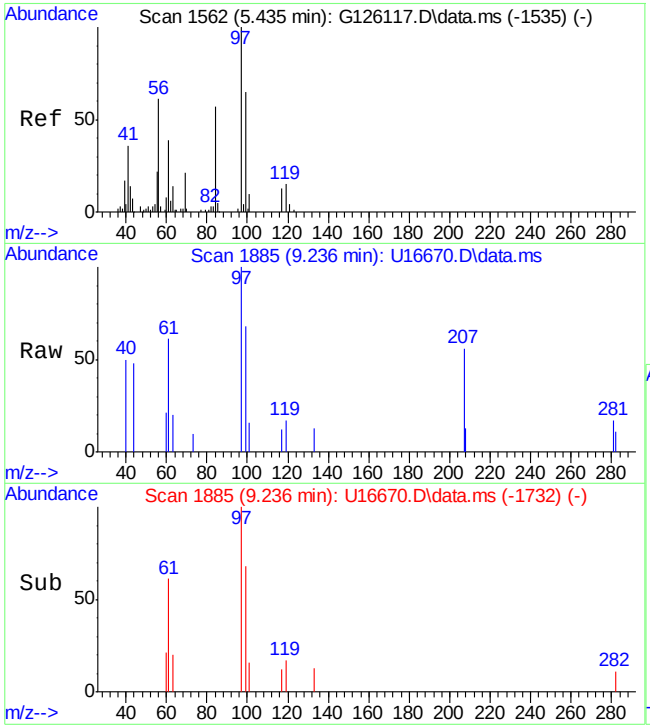


#37
cis-1,2-dichloroethene
Concen: 542.00 ppb
RT: 8.279 min Scan# 1614
Delta R.T. -0.004 min
Lab File: U16670.D
Acq: 9 Dec 2013 4:44 pm

Tgt Ion: 96 Resp: 768826

Ion	Ratio	Lower	Upper
96	100		
61	157.9	126.3	186.3
98	65.4	36.2	96.2

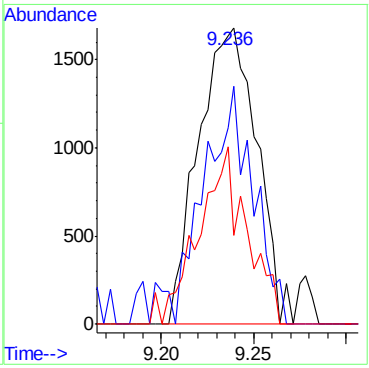


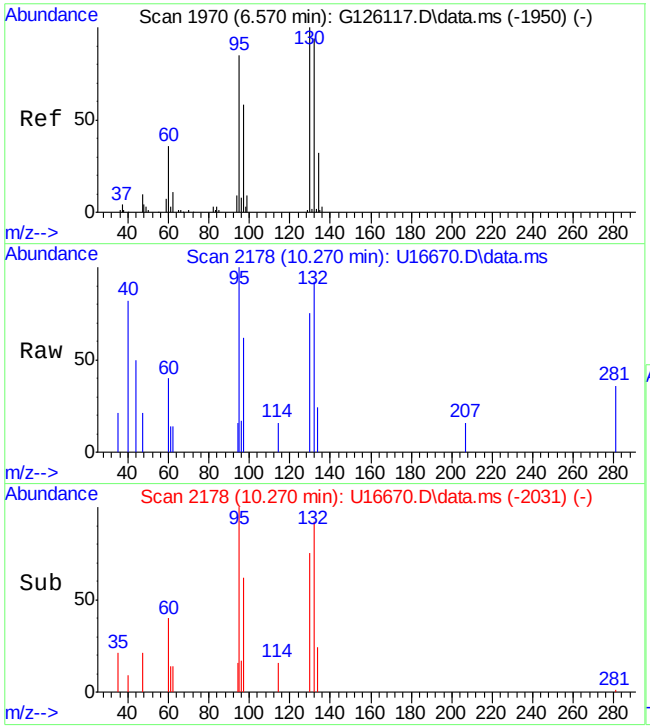


#42
1,1,1-trichloroethane
Concen: 1.94 ppb
RT: 9.236 min Scan# 1885
Delta R.T. -0.009 min
Lab File: U16670.D
Acq: 9 Dec 2013 4:44 pm

Tgt Ion: 97 Resp: 3696

Ion	Ratio	Lower	Upper
97	100		
99	68.3	33.0	93.0
61	61.5	14.2	74.2

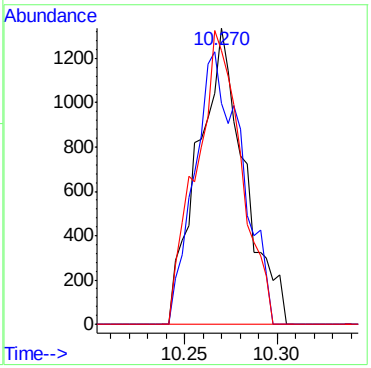


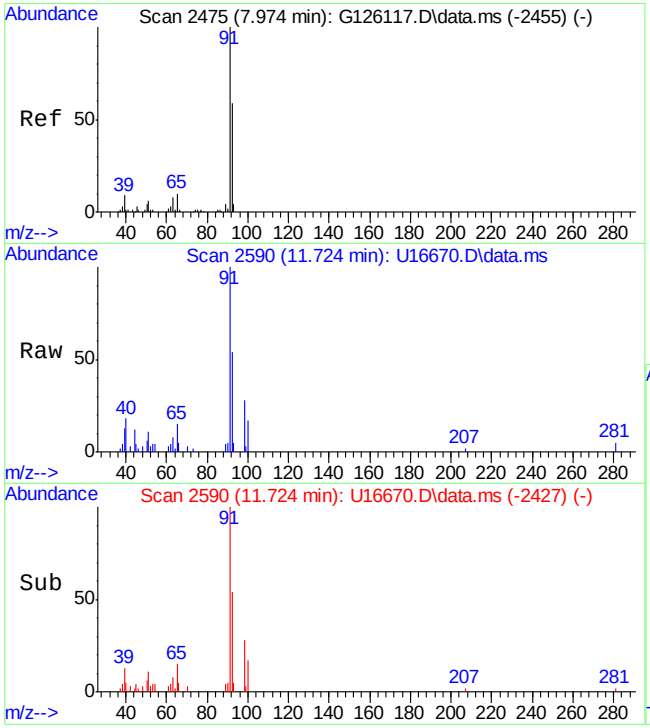


#51
trichloroethene
Concen: 1.52 ppb
RT: 10.270 min Scan# 2178
Delta R.T. -0.001 min
Lab File: U16670.D
Acq: 9 Dec 2013 4:44 pm

Tgt Ion: 95 Resp: 2326

Ion	Ratio	Lower	Upper
95	100		
130	74.6	58.8	118.8
132	92.4	62.5	122.5

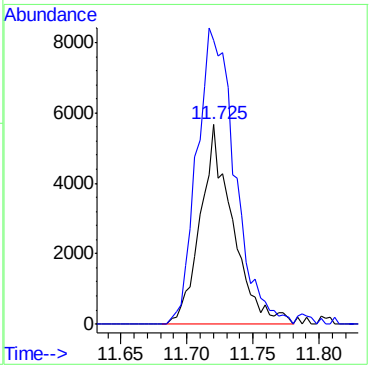


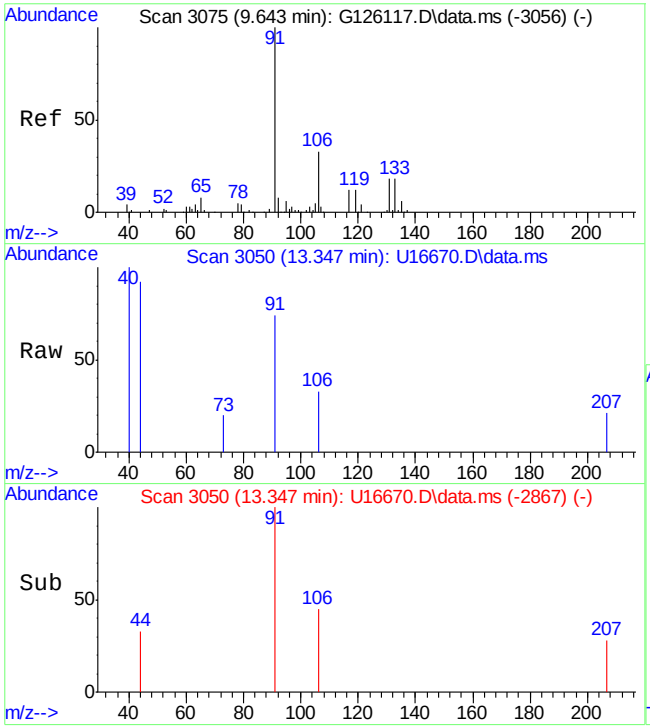


#62
toluene
Concen: 2.99 ppb
RT: 11.725 min Scan# 2590
Delta R.T. -0.003 min
Lab File: U16670.D
Acq: 9 Dec 2013 4:44 pm

Tgt Ion: 92 Resp: 9611

Ion	Ratio	Lower	Upper
92	100		
91	183.8	139.2	199.2

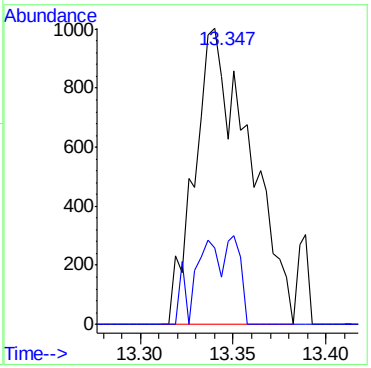


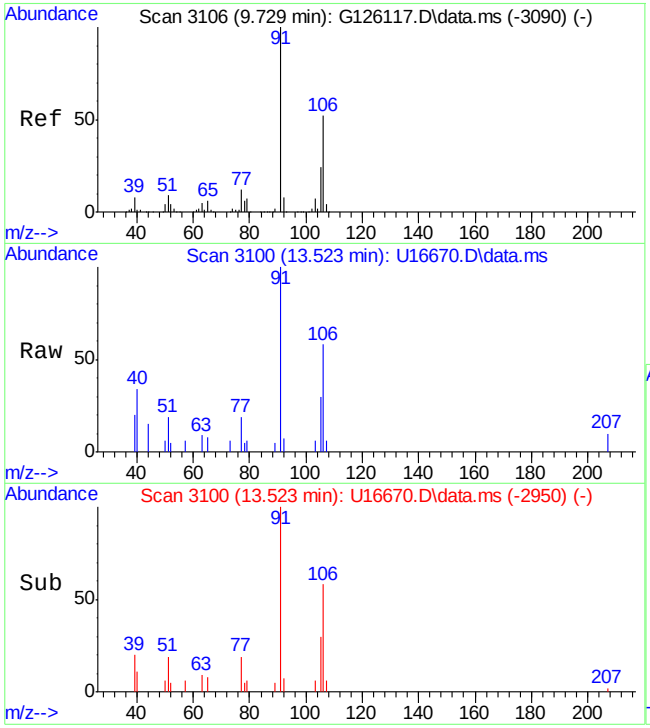


#74
ethylbenzene
Concen: 0.34 ppb
RT: 13.347 min Scan# 3050
Delta R.T. 0.017 min
Lab File: U16670.D
Acq: 9 Dec 2013 4:44 pm

Tgt Ion: 91 Resp: 2069

Ion	Ratio	Lower	Upper
91	100		
106	44.8	0.1	60.1

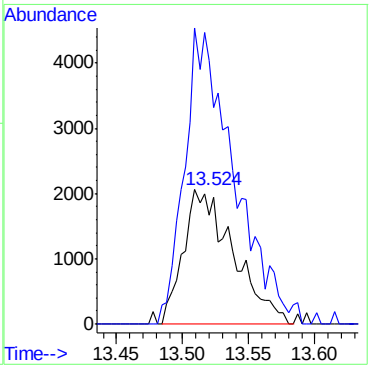


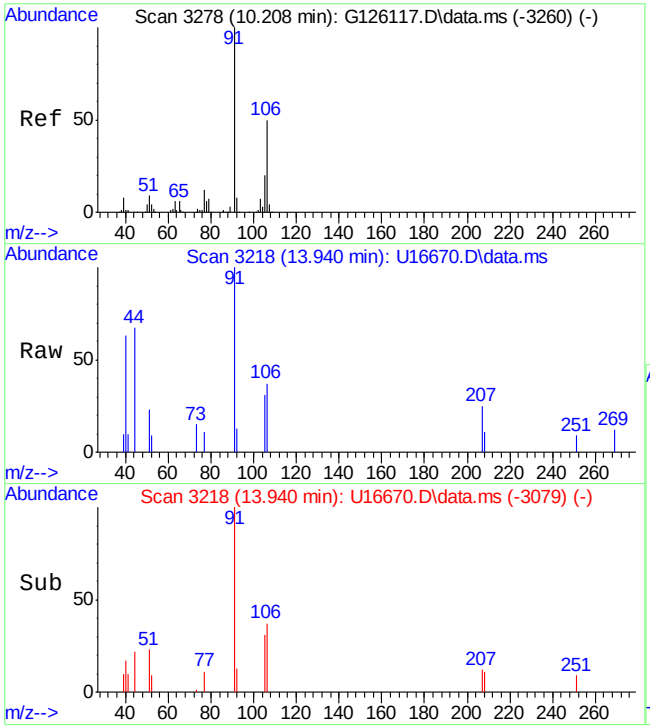


#75
m,p-xylene
Concen: 2.27 ppb
RT: 13.524 min Scan# 3100
Delta R.T. 0.010 min
Lab File: U16670.D
Acq: 9 Dec 2013 4:44 pm

Tgt Ion:106 Resp: 5391

Ion	Ratio	Lower	Upper
106	100		
91	155.8	180.7	240.7#

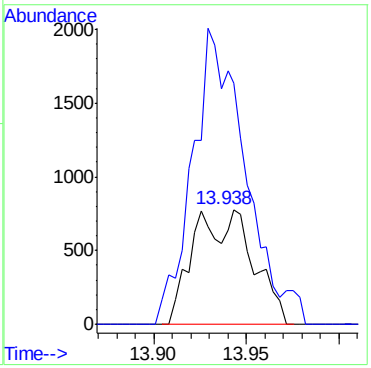


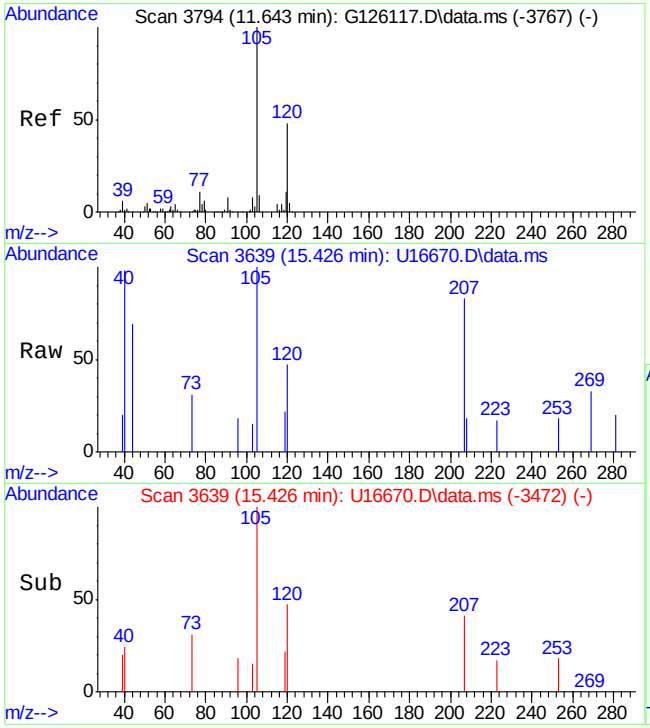


#76
o-xylene
Concen: 0.74 ppb
RT: 13.938 min Scan# 3218
Delta R.T. 0.010 min
Lab File: U16670.D
Acq: 9 Dec 2013 4:44 pm

Tgt Ion:106 Resp: 1732

Ion	Ratio	Lower	Upper
106	100		
91	242.7	188.5	248.5

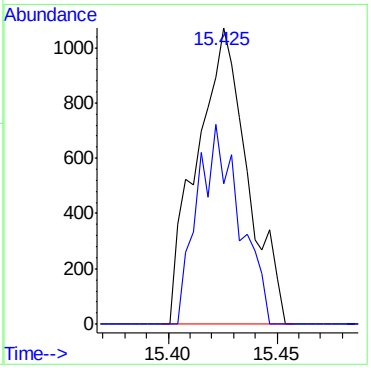




#91
1,2,4-trimethylbenzene
Concen: 0.32 ppb
RT: 15.425 min Scan# 3639
Delta R.T. -0.000 min
Lab File: U16670.D
Acq: 9 Dec 2013 4:44 pm

Tgt Ion:105 Resp: 1727

Ion	Ratio	Lower	Upper
105	100		
120	47.4	15.3	75.3



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U131209\
Data File : U16670.D
Acq On : 9 Dec 2013 4:44 pm
Operator : garyk
Sample : mc26923-2
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U131017W.m
Title : SW-846 Method 8260

Signal : TIC: U16670.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.736	588	610	683	rBV	243137	716920	19.03%	8.467%
2	6.522	1093	1116	1133	rBV3	18600	63758	1.69%	0.753%
3	7.443	1363	1377	1413	rBV2	38777	79344	2.11%	0.937%
4	7.697	1433	1449	1468	rBV2	51480	103872	2.76%	1.227%
5	8.272	1573	1612	1688	rBV	1871765	3767216	100.00%	44.492%
6	8.601	1688	1705	1728	rVB2	113237	238103	6.32%	2.812%
7	8.964	1783	1808	1858	rVB2	189204	392545	10.42%	4.636%
8	9.839	2028	2056	2123	rVB	262477	527490	14.00%	6.230%
9	11.646	2533	2568	2583	rBV	368289	681807	18.10%	8.052%
10	11.720	2583	2589	2623	rVB3	27360	62272	1.65%	0.735%
11	13.111	2958	2983	3028	rVB	320090	612609	16.26%	7.235%
12	14.342	3303	3332	3368	rVB2	255978	494369	13.12%	5.839%
13	15.676	3688	3710	3758	rBV	356122	664835	17.65%	7.852%
14	20.059	4868	4952	4958	rBV	6183	62063	1.65%	0.733%

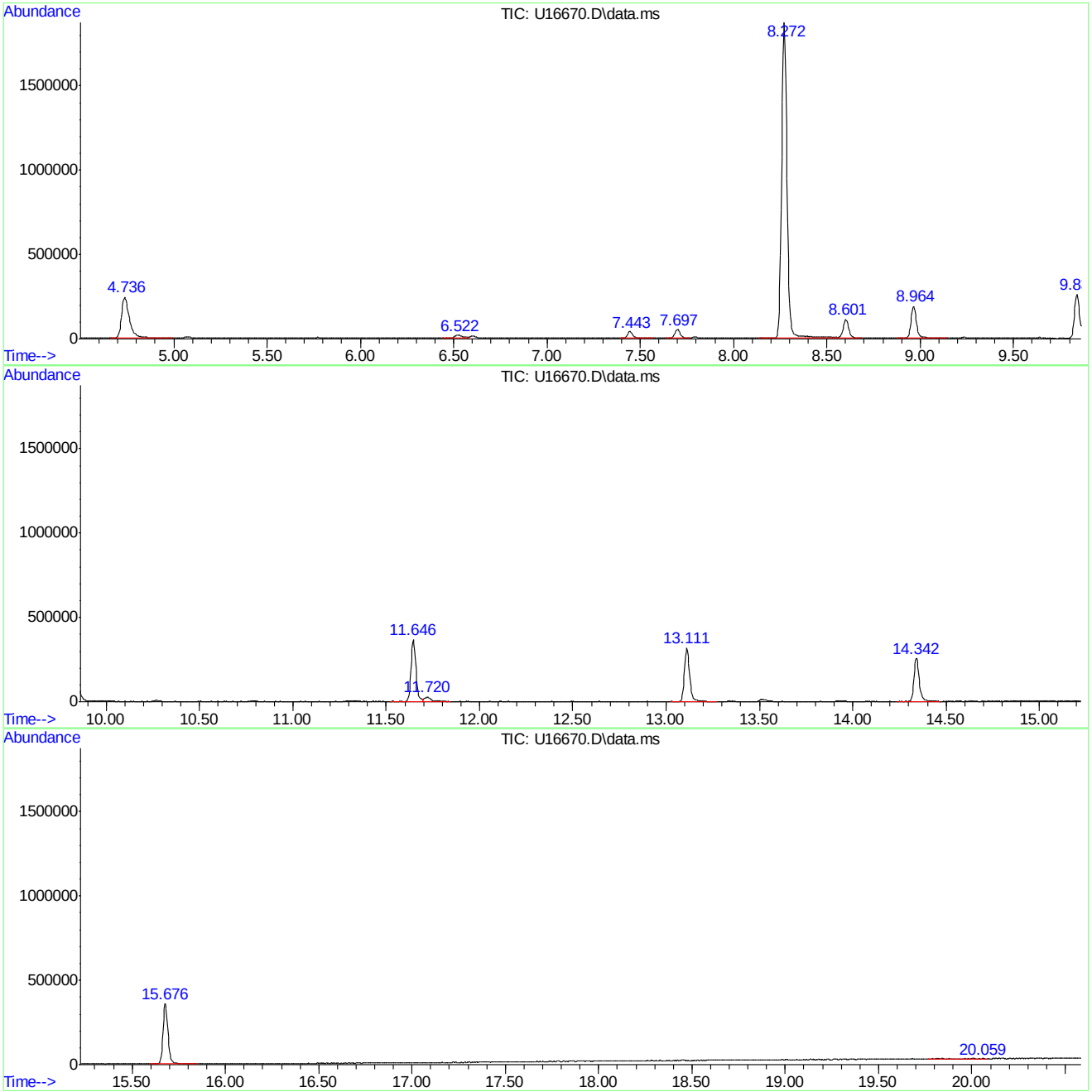
Sum of corrected areas: 8467203

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U131209\
Data File : U16670.D
Acq On : 9 Dec 2013 4:44 pm
Operator : garyk
Sample : mc26923-2
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U131209\
Data File : U16670.D
Acq On : 9 Dec 2013 4:44 pm
Operator : garyk
Sample : mc26923-2
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U131209\
Data File : U16670.D
Acq On : 9 Dec 2013 4:44 pm
Operator : garyk
Sample : mc26923-2
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83097.D
Acq On : 10 Dec 2013 1:35 pm
Operator : jaclynb
Sample : mc26923-3
Misc : ms30722,MSN3101,,,,5,20
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 10 14:07:31 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

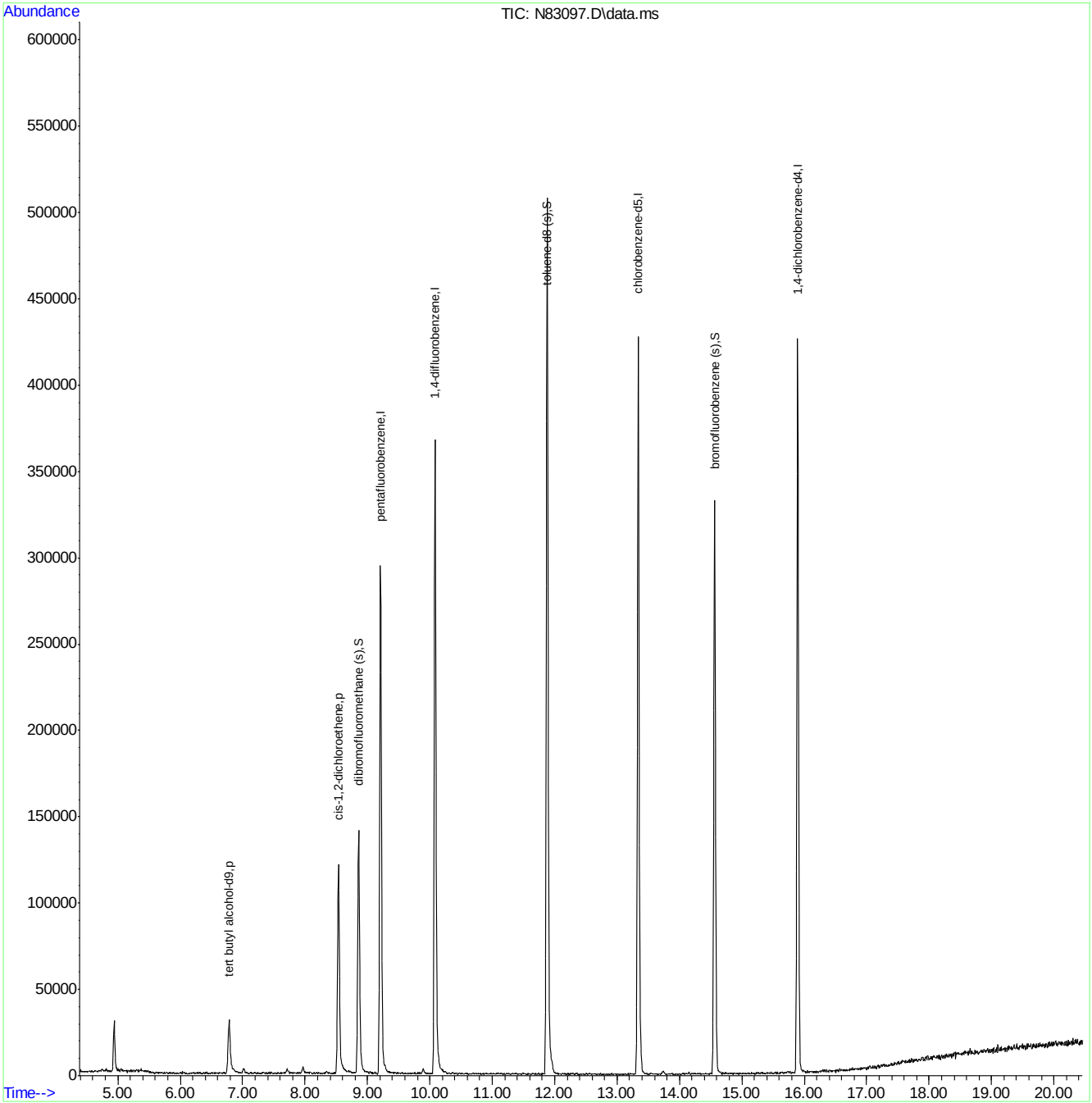
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.777	65	51647	500.00	ug/L	0.01
4) pentafluorobenzene	9.209	168	213266	50.00	ug/L	0.00
43) 1,4-difluorobenzene	10.086	114	311608	50.00	ug/L	0.00
66) chlorobenzene-d5	13.338	82	157269	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.894	152	115915	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.859	113	92233	44.25	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 88.50%			
60) toluene-d8 (s)	11.882	98	375617	49.91	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.82%			
82) bromofluorobenzene (s)	14.565	95	132120	53.94	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.88%			
Target Compounds						Qvalue
36) cis-1,2-dichloroethene	8.534	96	58030	22.18	ug/L	98

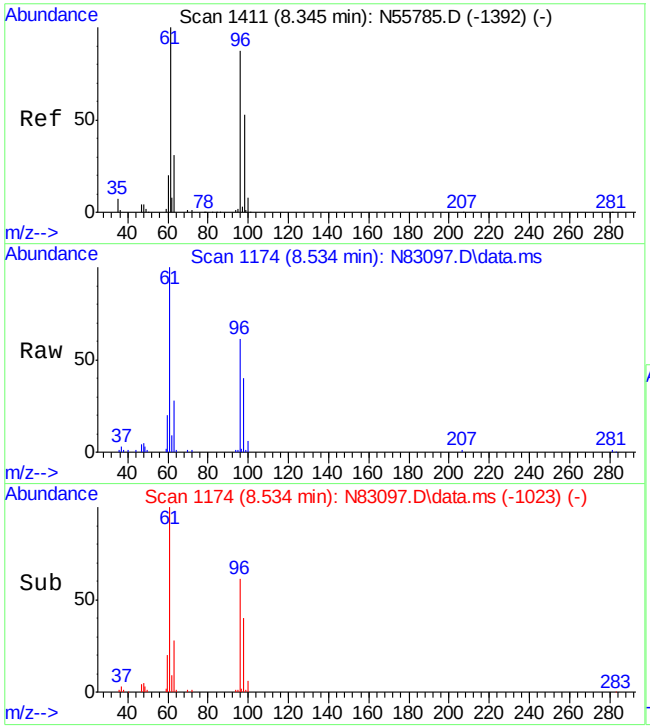
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83097.D
Acq On : 10 Dec 2013 1:35 pm
Operator : jaclynb
Sample : mc26923-3
Misc : ms30722,MSN3101,,,,5,20
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 10 14:07:31 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

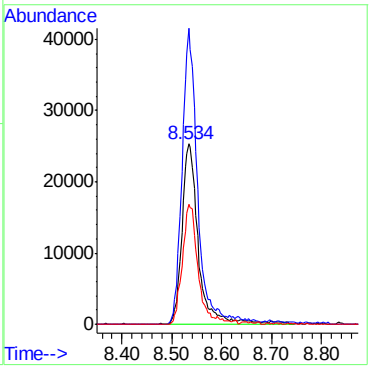




#36
cis-1,2-dichloroethene
Concen: 22.18 ug/L
RT: 8.534 min Scan# 1174
Delta R.T. 0.004 min
Lab File: N83097.D
Acq: 10 Dec 2013 1:35 pm

Tgt Ion: 96 Resp: 58030

Ion	Ratio	Lower	Upper
96	100		
61	164.4	131.2	191.2
98	66.5	36.1	96.1



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/10/13 14:53

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16671.D
Acq On : 9 Dec 2013 5:11 pm
Operator : garyk
Sample : mc26923-3
Misc : ms30722,msu797,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 10 08:43:23 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

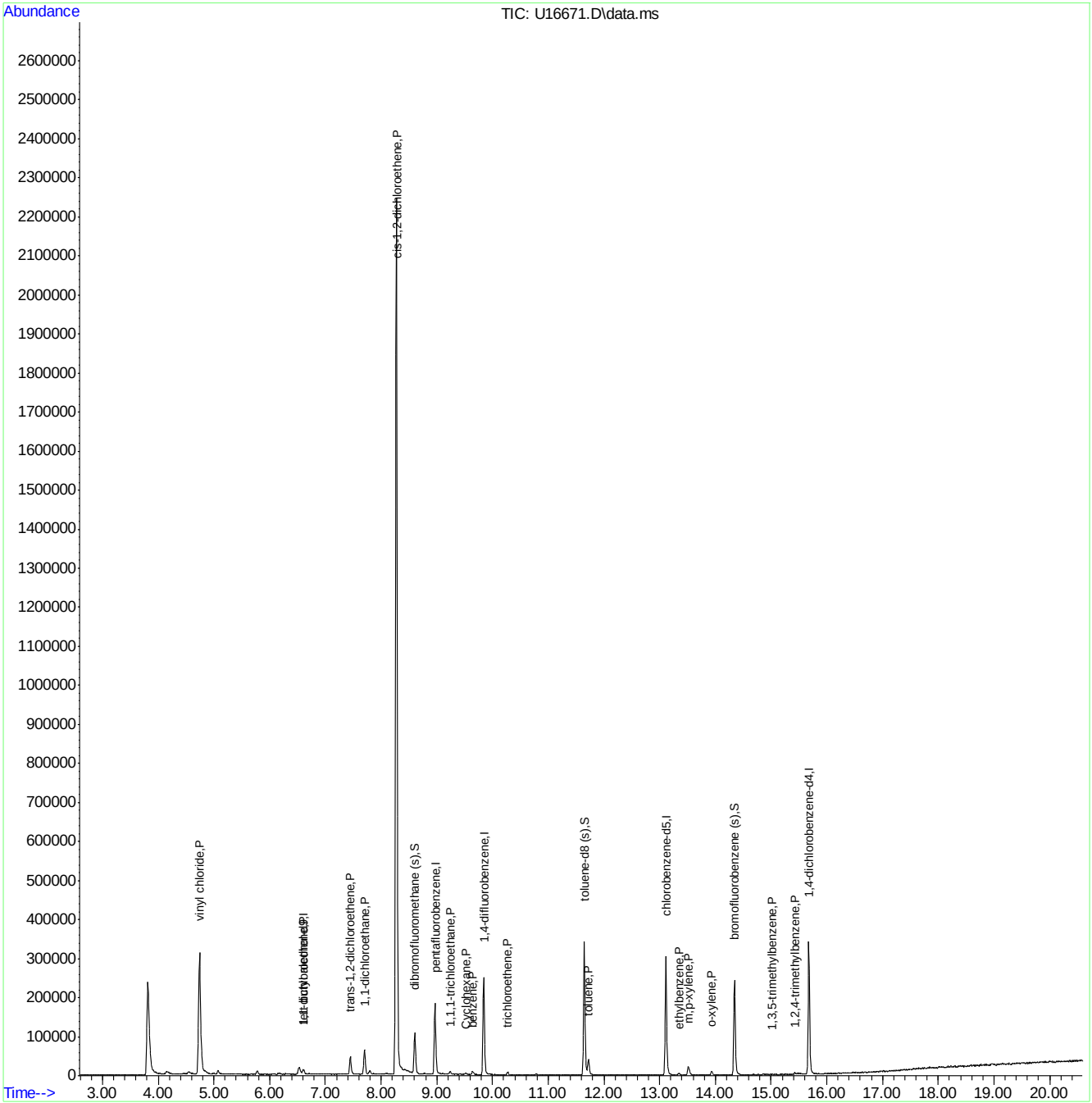
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.603	65	44173m	500.00	ppb		0.05
4) pentafluorobenzene	8.974	168	134224	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.847	114	203273	50.00	ppb		0.00
66) chlorobenzene-d5	13.114	82	103407	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.681	152	101253	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.606	113	64477	62.45	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 124.90%				
60) toluene-d8 (s)	11.651	98	236920	56.53	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 113.06%				
82) bromofluorobenzene (s)	14.346	95	93903	53.32	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.64%				
Target Compounds							Qvalue
7) vinyl chloride	4.748	62	496125	276.46	ppb		100
15) 1,1-dichloroethene	6.606	96	5063	4.92	ppb		92
22) trans-1,2-dichloroethene	7.449	96	17776	14.82	ppb		90
33) 1,1-dichloroethane	7.703	63	64665	25.53	ppb		99
37) cis-1,2-dichloroethene	8.280	96	911859	670.56	ppb		99
42) 1,1,1-trichloroethane	9.239	97	4543	2.48	ppb		94
44) Cyclohexane	9.524	56	1582	0.63	ppb	#	77
47) benzene	9.643	78	5823	0.20	ppb		98
51) trichloroethene	10.269	95	2621	1.82	ppb		94
62) toluene	11.725	92	16233	5.36	ppb		93
74) ethylbenzene	13.344	91	3297	0.56	ppb		99
75) m,p-xylene	13.520	106	9346	4.11	ppb		86
76) o-xylene	13.935	106	3017	1.34	ppb		100
89) 1,3,5-trimethylbenzene	15.021	105	1506	0.30	ppb		95
91) 1,2,4-trimethylbenzene	15.424	105	2967	0.58	ppb		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

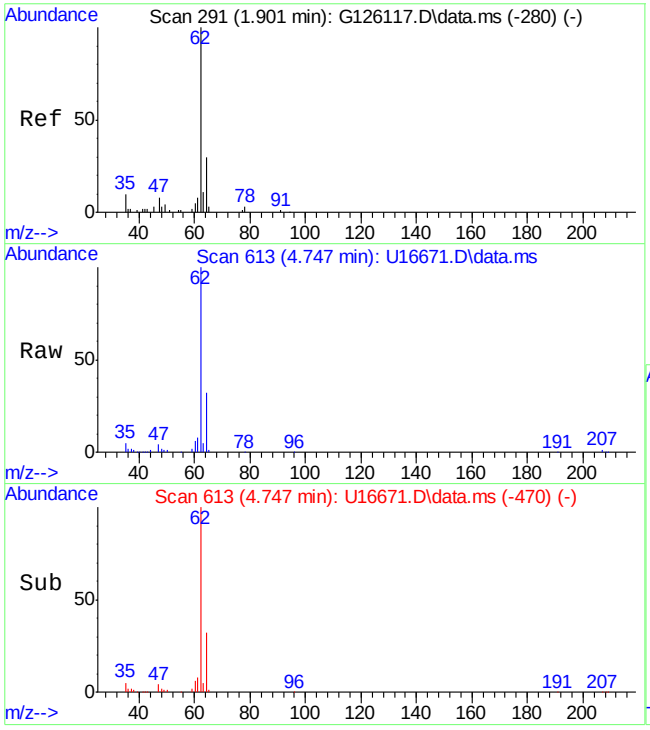
Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16671.D
Acq On : 9 Dec 2013 5:11 pm
Operator : garyk
Sample : mc26923-3
Misc : ms30722,msu797,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 10 08:43:23 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration



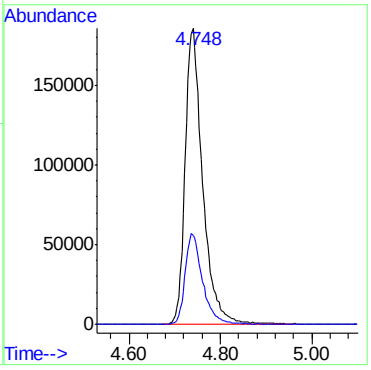
ACCUTEST LABORATORIES MC26923

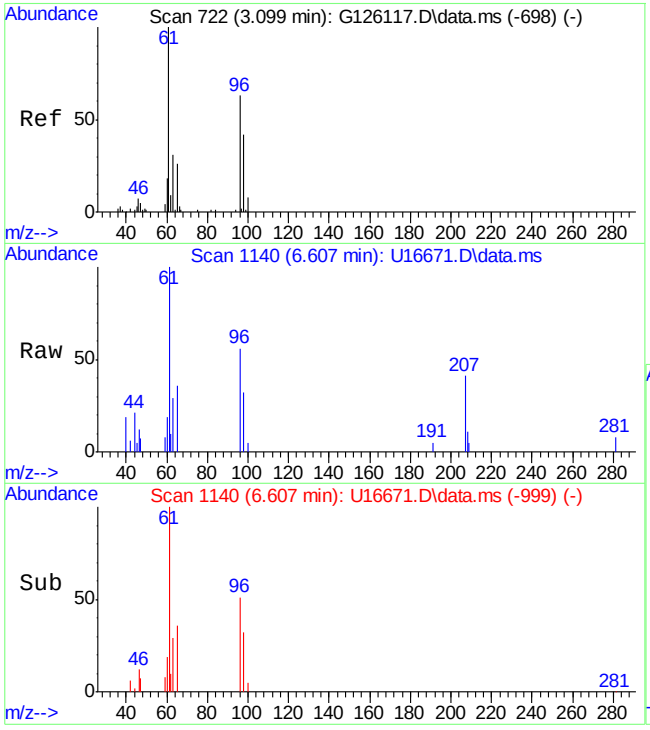


#7
vinyl chloride
Concen: 276.46 ppb
RT: 4.748 min Scan# 613
Delta R.T. 0.005 min
Lab File: U16671.D
Acq: 9 Dec 2013 5:11 pm

Tgt Ion: 62 Resp: 496125

Ion	Ratio	Lower	Upper
62	100		
64	31.6	1.8	61.8

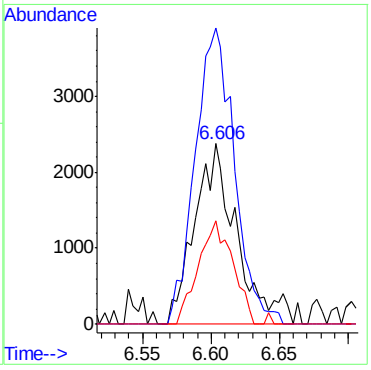


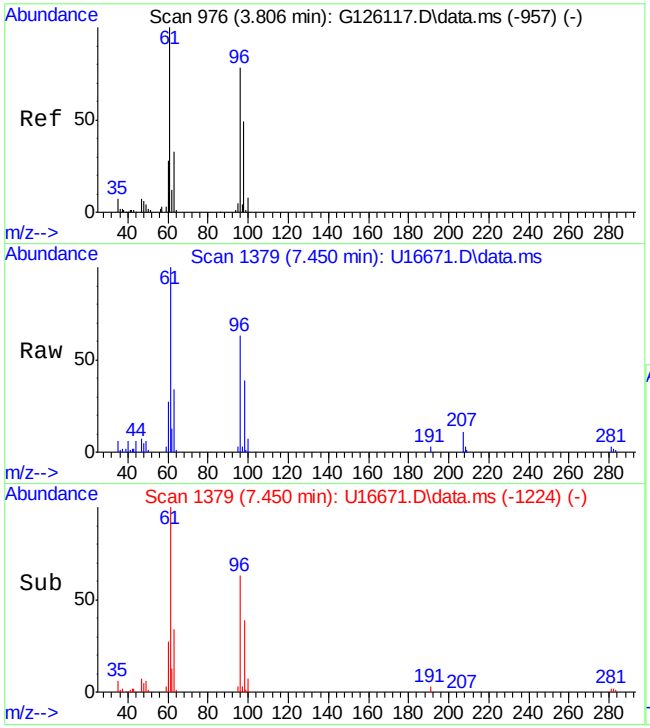


#15
1,1-dichloroethene
Concen: 4.92 ppb
RT: 6.606 min Scan# 1140
Delta R.T. -0.004 min
Lab File: U16671.D
Acq: 9 Dec 2013 5:11 pm

Tgt Ion: 96 Resp: 5063

Ion	Ratio	Lower	Upper
96	100		
61	177.6	158.7	218.7
63	51.8	27.6	87.6

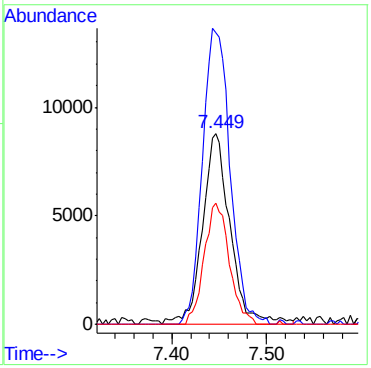


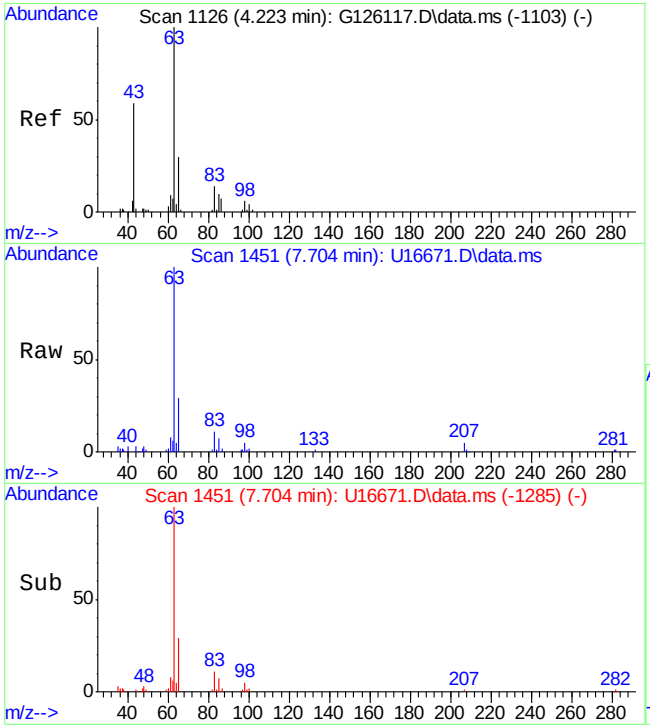


#22
trans-1,2-dichloroethene
Concen: 14.82 ppb
RT: 7.449 min Scan# 1379
Delta R.T. -0.005 min
Lab File: U16671.D
Acq: 9 Dec 2013 5:11 pm

Tgt Ion: 96 Resp: 17776

Ion	Ratio	Lower	Upper
96	100		
61	158.2	145.5	205.5
98	61.7	35.2	95.2

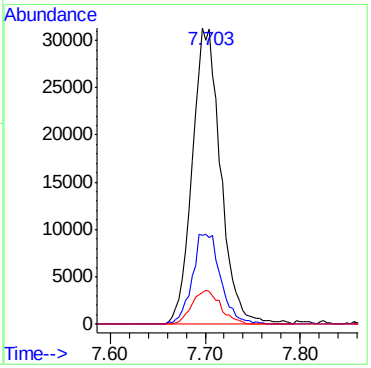


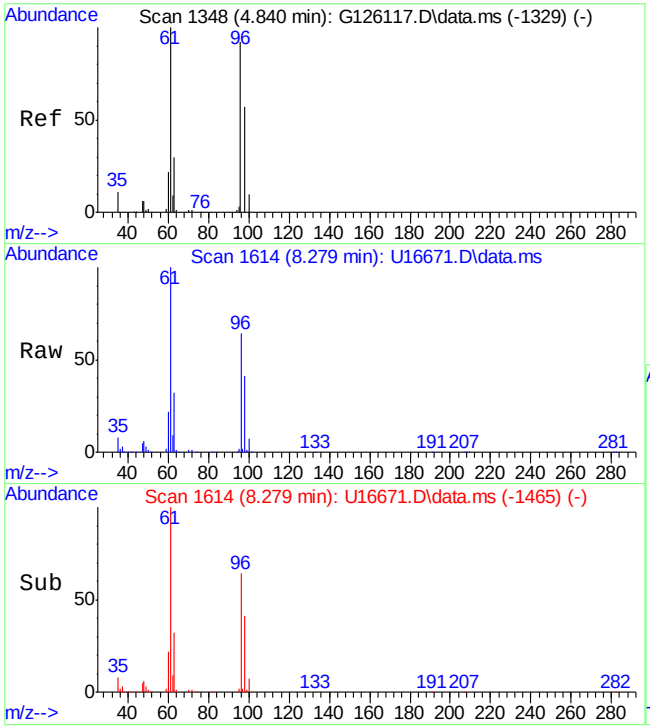


#33
1,1-dichloroethane
Concen: 25.53 ppb
RT: 7.703 min Scan# 1451
Delta R.T. -0.006 min
Lab File: U16671.D
Acq: 9 Dec 2013 5:11 pm

Tgt Ion: 63 Resp: 64665

Ion	Ratio	Lower	Upper
63	100		
65	29.3	0.0	59.7
83	10.9	0.0	41.8

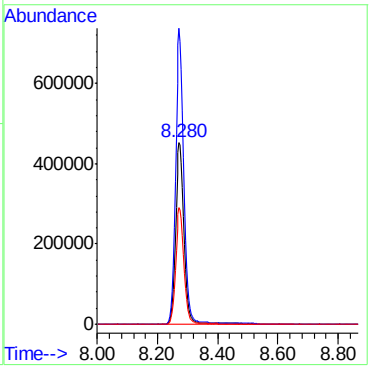


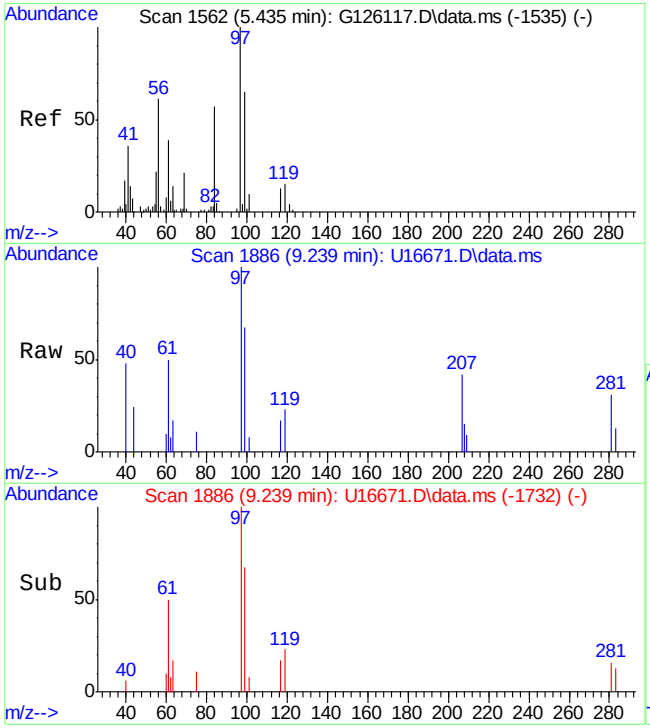


#37
cis-1,2-dichloroethene
Concen: 670.56 ppb
RT: 8.280 min Scan# 1614
Delta R.T. -0.003 min
Lab File: U16671.D
Acq: 9 Dec 2013 5:11 pm

Tgt Ion: 96 Resp: 911859

Ion	Ratio	Lower	Upper
96	100		
61	157.0	126.3	186.3
98	65.1	36.2	96.2

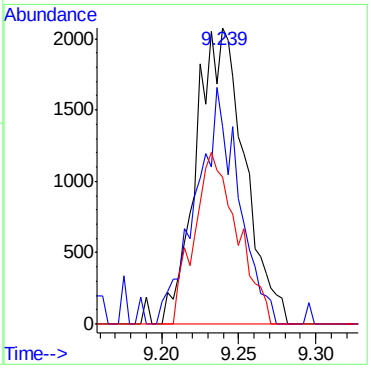


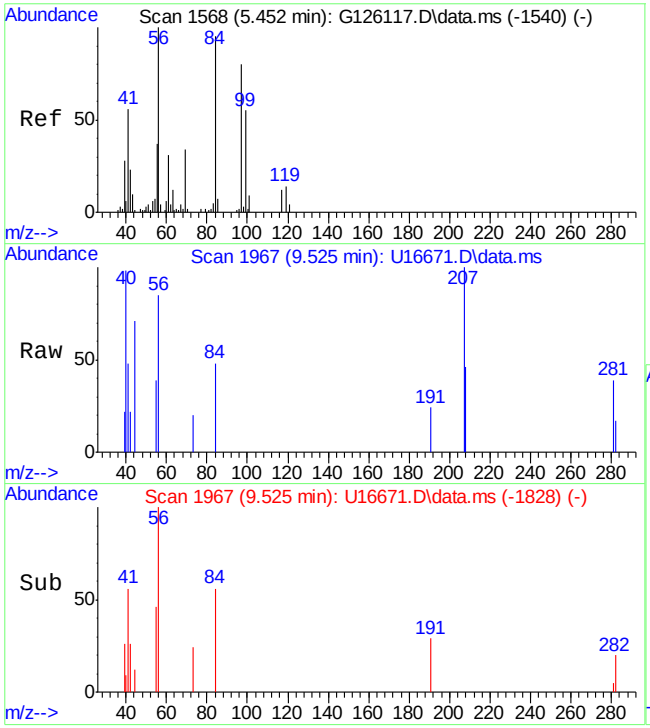


#42
1,1,1-trichloroethane
Concen: 2.48 ppb
RT: 9.239 min Scan# 1886
Delta R.T. -0.006 min
Lab File: U16671.D
Acq: 9 Dec 2013 5:11 pm

Tgt Ion: 97 Resp: 4543

Ion	Ratio	Lower	Upper
97	100		
99	66.6	33.0	93.0
61	49.8	14.2	74.2

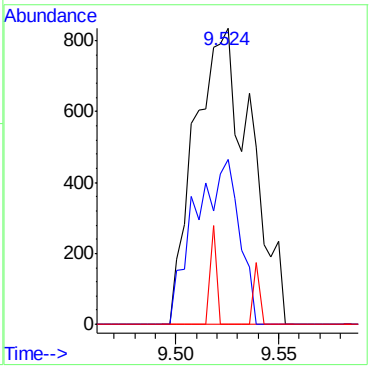


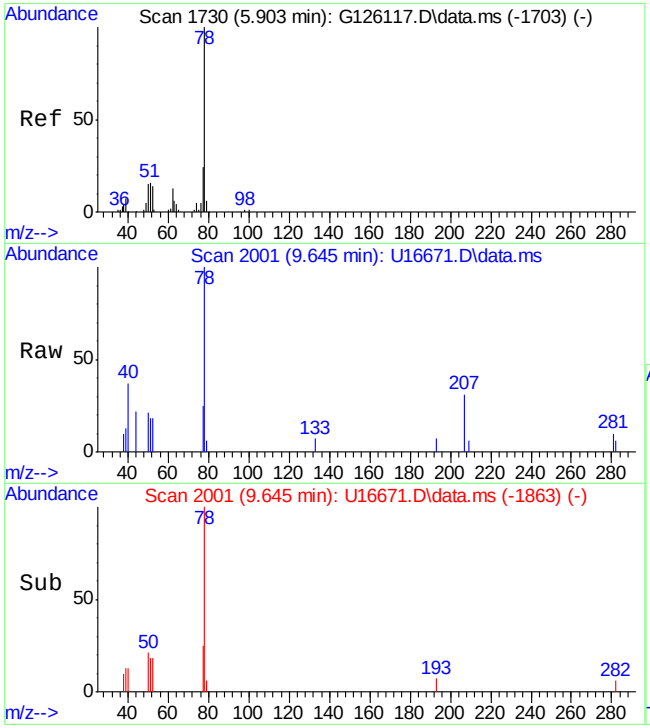


#44
Cyclohexane
Concen: 0.63 ppb
RT: 9.524 min Scan# 1967
Delta R.T. -0.011 min
Lab File: U16671.D
Acq: 9 Dec 2013 5:11 pm

Tgt Ion: 56 Resp: 1582

Ion	Ratio	Lower	Upper
56	100		
84	55.8	54.2	81.2
69	0.0	18.3	27.5#

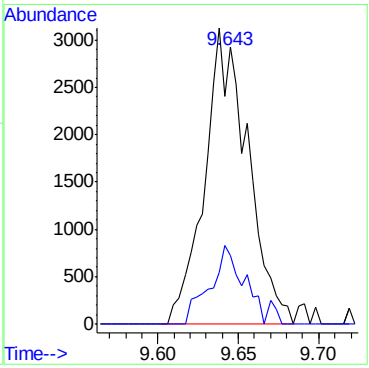


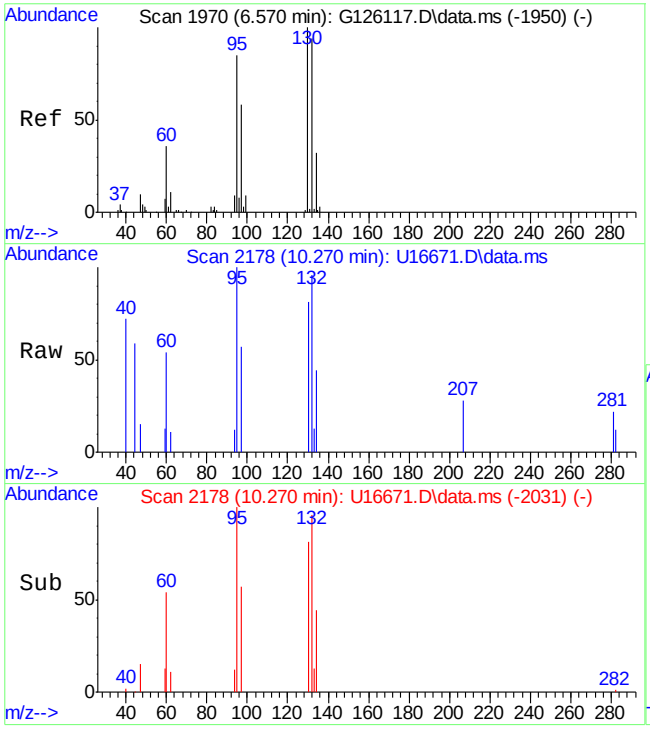


#47
benzene
Concen: 0.20 ppb
RT: 9.643 min Scan# 2001
Delta R.T. -0.005 min
Lab File: U16671.D
Acq: 9 Dec 2013 5:11 pm

Tgt Ion: 78 Resp: 5823

Ion	Ratio	Lower	Upper
78	100		
77	24.7	0.0	53.9

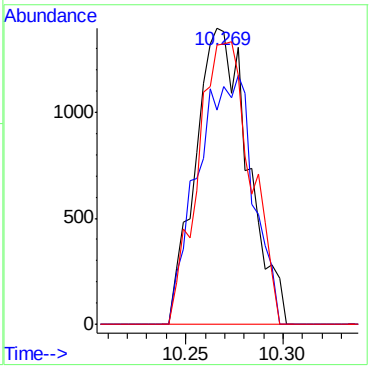


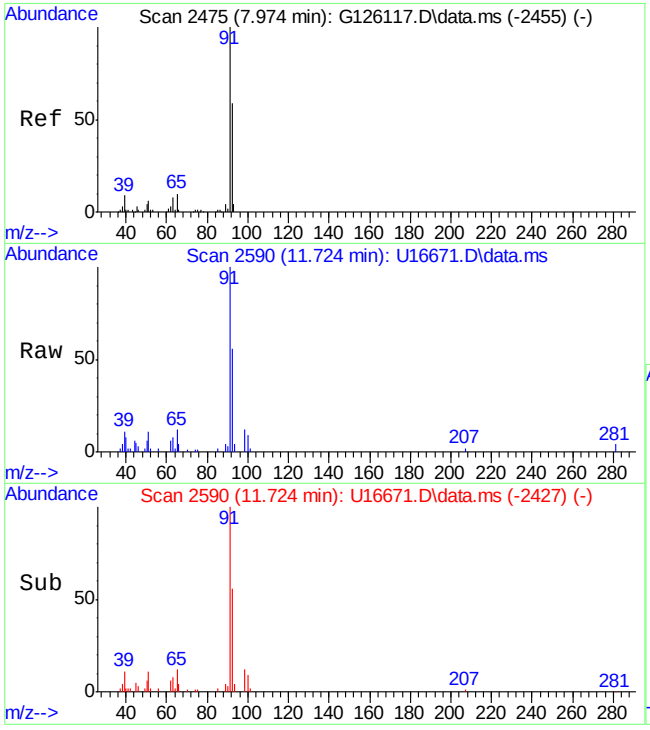


#51
trichloroethene
Concen: 1.82 ppb
RT: 10.269 min Scan# 2178
Delta R.T. -0.002 min
Lab File: U16671.D
Acq: 9 Dec 2013 5:11 pm

Tgt Ion: 95 Resp: 2621

Ion	Ratio	Lower	Upper
95	100		
130	81.5	58.8	118.8
132	95.9	62.5	122.5

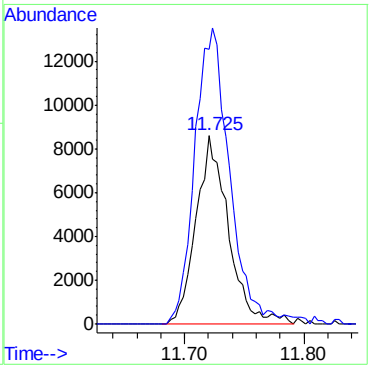


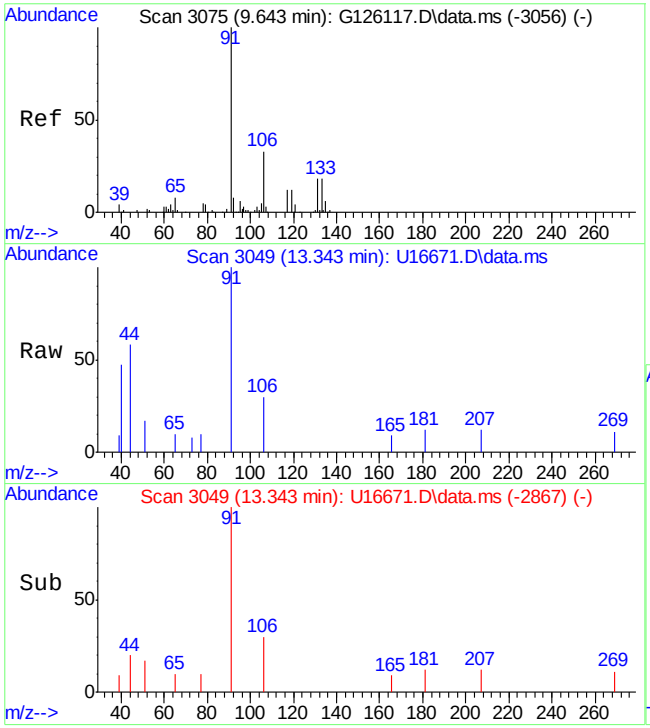


#62
toluene
Concen: 5.36 ppb
RT: 11.725 min Scan# 2590
Delta R.T. -0.003 min
Lab File: U16671.D
Acq: 9 Dec 2013 5:11 pm

Tgt Ion: 92 Resp: 16233

Ion	Ratio	Lower	Upper
92	100		
91	179.4	139.2	199.2

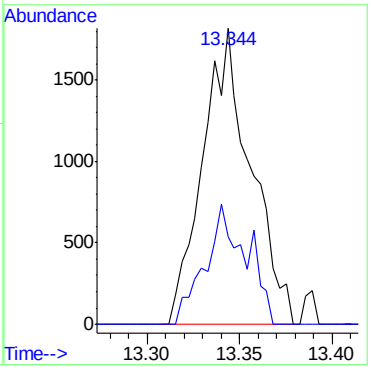


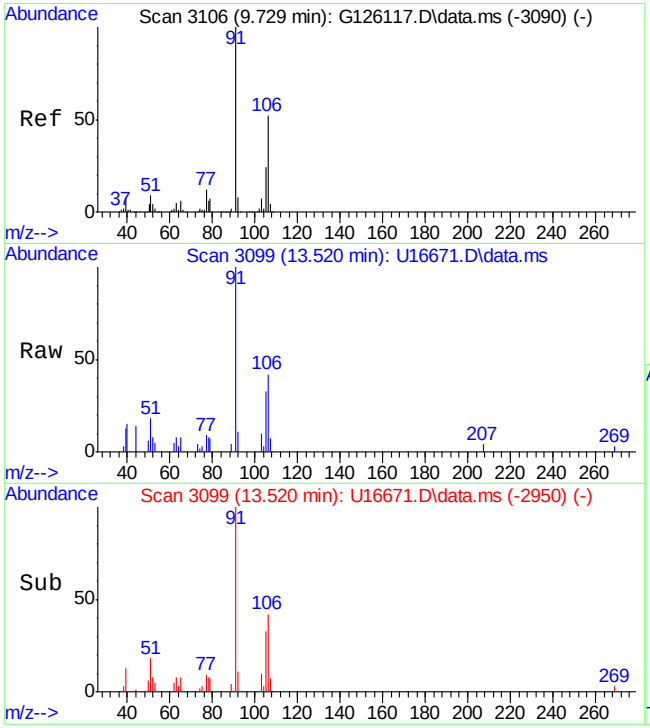


#74
ethylbenzene
Concen: 0.56 ppb
RT: 13.344 min Scan# 3049
Delta R.T. 0.014 min
Lab File: U16671.D
Acq: 9 Dec 2013 5:11 pm

Tgt Ion: 91 Resp: 3297

Ion	Ratio	Lower	Upper
91	100		
106	29.7	0.1	60.1

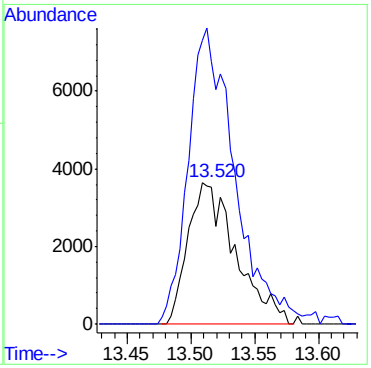


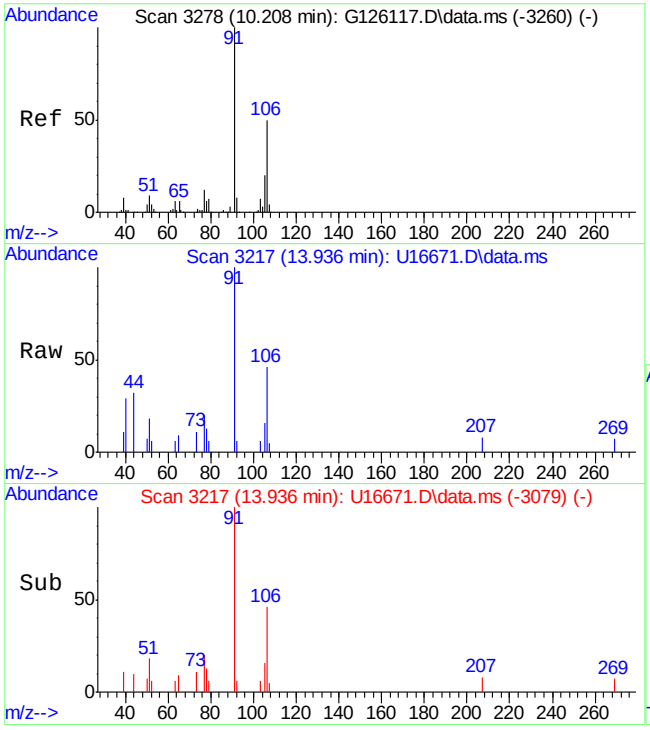


#75
m,p-xylene
Concen: 4.11 ppb
RT: 13.520 min Scan# 3099
Delta R.T. 0.006 min
Lab File: U16671.D
Acq: 9 Dec 2013 5:11 pm

Tgt Ion:106 Resp: 9346

Ion	Ratio	Lower	Upper
106	100		
91	232.4	180.7	240.7

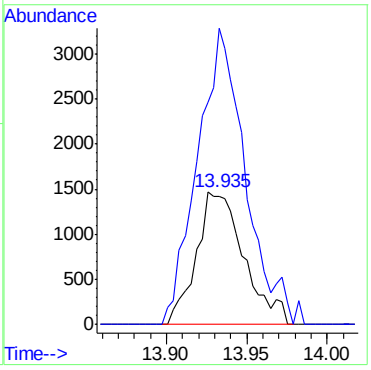


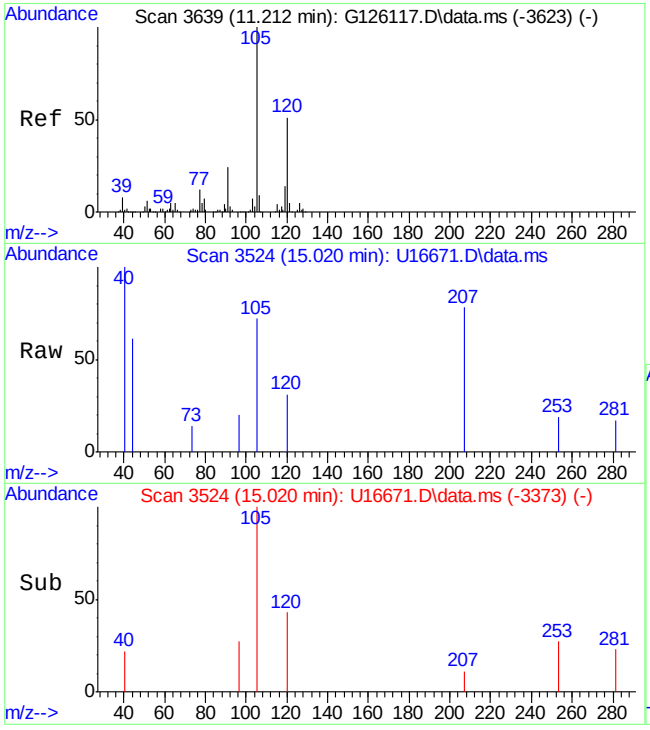


#76
o-xylene
Concen: 1.34 ppb
RT: 13.935 min Scan# 3217
Delta R.T. 0.007 min
Lab File: U16671.D
Acq: 9 Dec 2013 5:11 pm

Tgt Ion:106 Resp: 3017

Ion	Ratio	Lower	Upper
106	100		
91	218.3	188.5	248.5

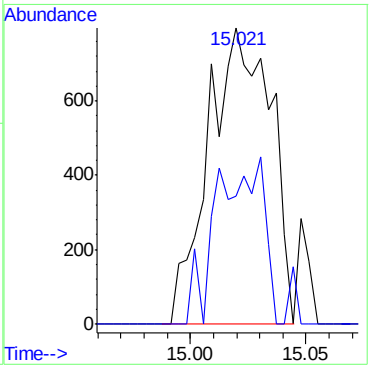


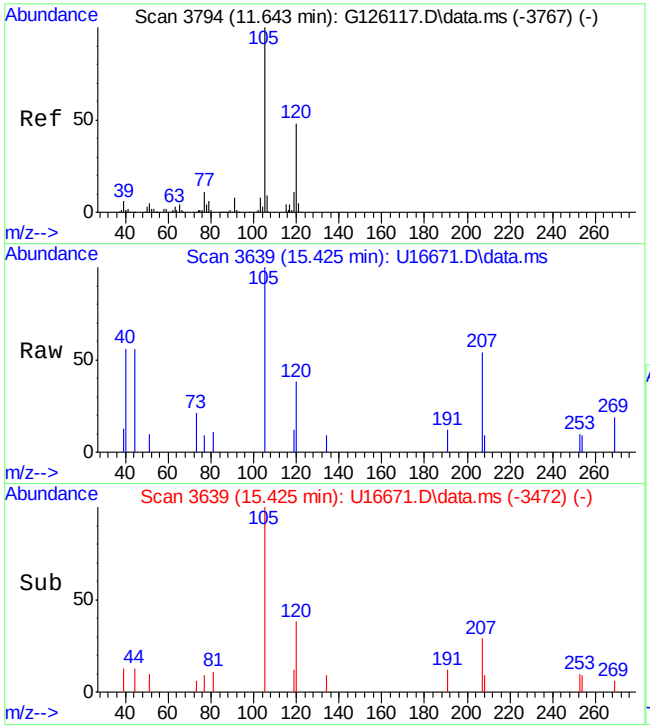


#89
1,3,5-trimethylbenzene
Concen: 0.30 ppb
RT: 15.021 min Scan# 3524
Delta R.T. 0.005 min
Lab File: U16671.D
Acq: 9 Dec 2013 5:11 pm

Tgt Ion:105 Resp: 1506

Ion	Ratio	Lower	Upper
105	100		
120	43.1	16.1	76.1

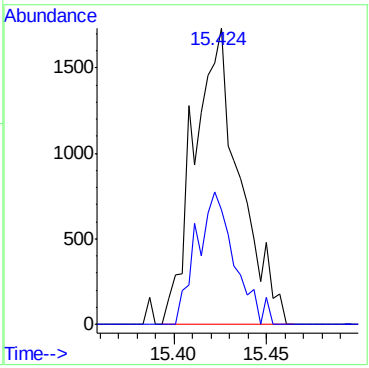




#91
1,2,4-trimethylbenzene
Concen: 0.58 ppb
RT: 15.424 min Scan# 3639
Delta R.T. -0.001 min
Lab File: U16671.D
Acq: 9 Dec 2013 5:11 pm

Tgt Ion:105 Resp: 2967

Ion	Ratio	Lower	Upper
105	100		
120	38.5	15.3	75.3



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U131209\
Data File : U16671.D
Acq On : 9 Dec 2013 5:11 pm
Operator : garyk
Sample : mc26923-3
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U131017W.m
Title : SW-846 Method 8260

Signal : TIC: U16671.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.740	579	611	674	rBV	312208	864906	19.42%	9.373%
2	6.526	1084	1117	1129	rBV3	18171	55653	1.25%	0.603%
3	7.447	1349	1378	1414	rBV	45575	96128	2.16%	1.042%
4	7.697	1429	1449	1464	rBV2	60962	123599	2.77%	1.339%
5	8.272	1594	1612	1689	rBV	2243820	4454066	100.00%	48.267%
6	8.604	1689	1706	1729	rVB2	105813	222817	5.00%	2.415%
7	8.968	1774	1809	1869	rBV	180717	371678	8.34%	4.028%
8	9.843	2034	2057	2124	rVB	248755	489967	11.00%	5.310%
9	11.646	2534	2568	2584	rBV	341080	649801	14.59%	7.042%
10	11.720	2584	2589	2634	rVB3	41216	86994	1.95%	0.943%
11	13.111	2954	2983	3029	rBV	303361	578538	12.99%	6.269%
12	13.509	3074	3096	3144	rVB4	21778	65052	1.46%	0.705%
13	14.342	3294	3332	3379	rBV	243150	470376	10.56%	5.097%
14	15.676	3689	3710	3759	rBV2	340017	639249	14.35%	6.927%
15	18.175	4349	4418	4429	rBV2	8089	59105	1.33%	0.641%

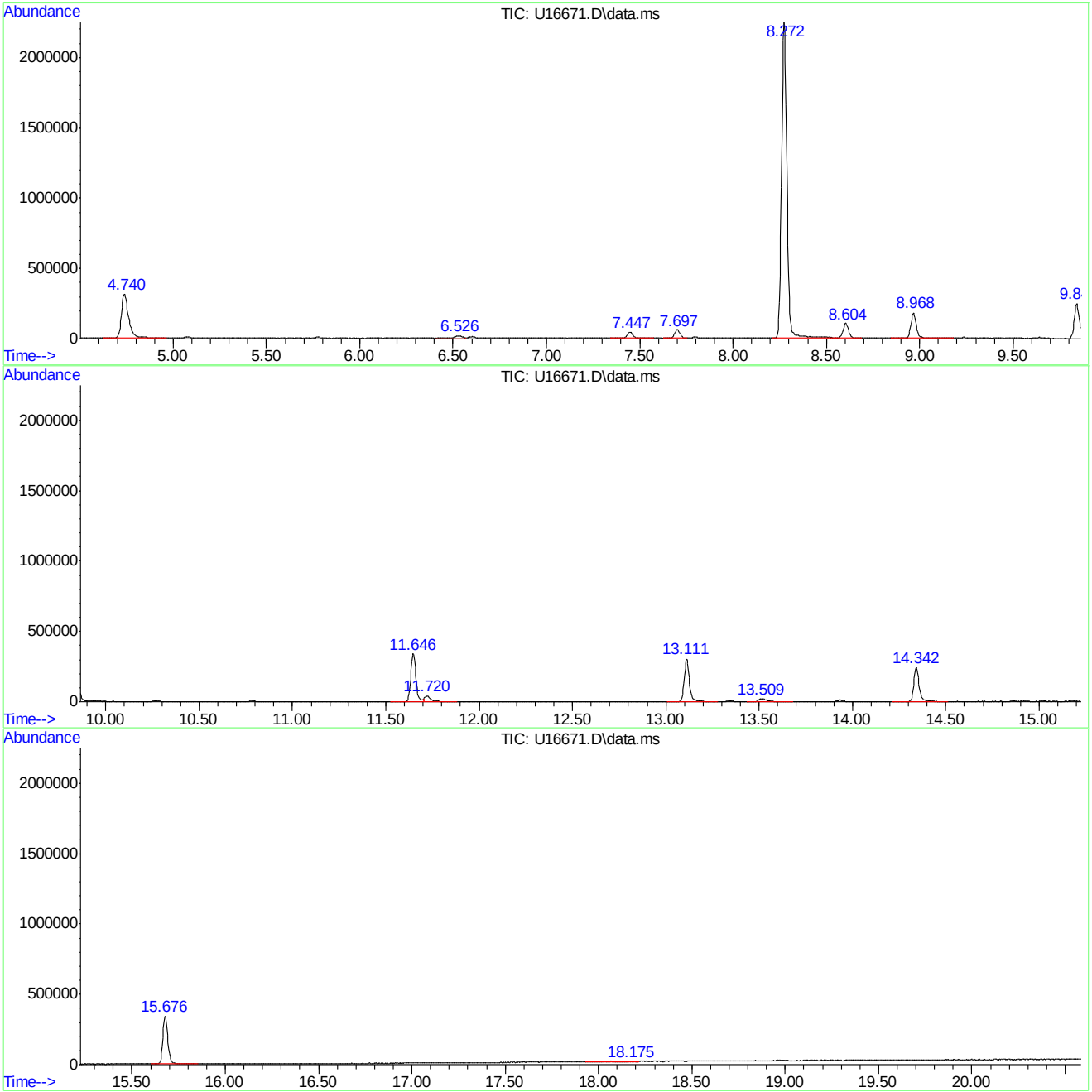
Sum of corrected areas: 9227929

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U131209\
Data File : U16671.D
Acq On : 9 Dec 2013 5:11 pm
Operator : garyk
Sample : mc26923-3
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U131209\
Data File : U16671.D
Acq On : 9 Dec 2013 5:11 pm
Operator : garyk
Sample : mc26923-3
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U131209\
Data File : U16671.D
Acq On : 9 Dec 2013 5:11 pm
Operator : garyk
Sample : mc26923-3
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83098.D
Acq On : 10 Dec 2013 2:03 pm
Operator : jaclynb
Sample : mc26923-4
Misc : ms30722,MSN3101,,,,5,20
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 10 14:27:16 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

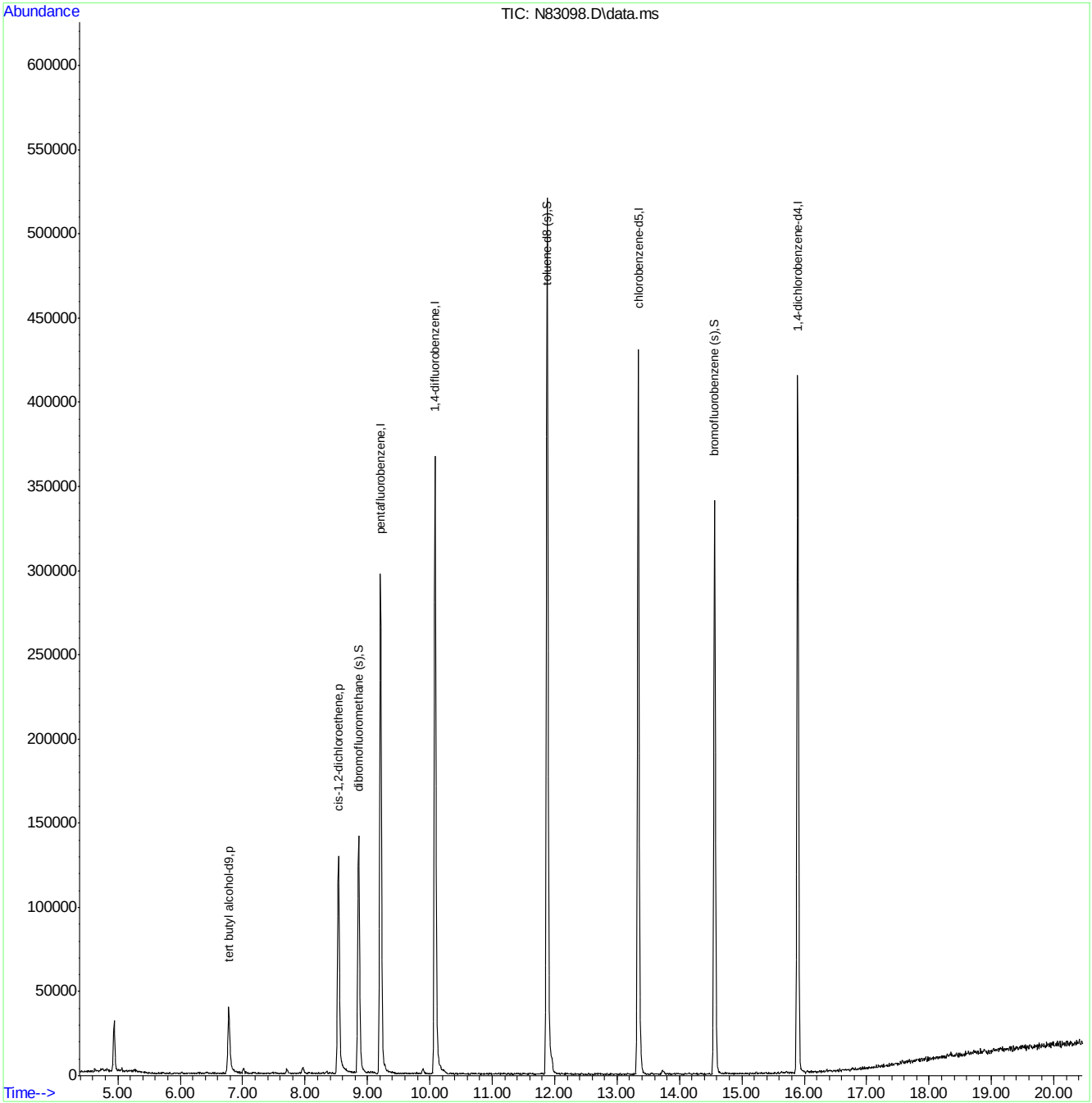
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.777	65	60061	500.00	ug/L	0.01
4) pentafluorobenzene	9.213	168	217083	50.00	ug/L	0.00
43) 1,4-difluorobenzene	10.082	114	313304	50.00	ug/L	0.00
66) chlorobenzene-d5	13.342	82	161895	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.894	152	116087	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.855	113	95602	45.06	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.12%			
60) toluene-d8 (s)	11.882	98	382033	50.49	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.98%			
82) bromofluorobenzene (s)	14.561	95	134073	54.65	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.30%			
Target Compounds						Qvalue
15) 1,1-dichloroethene	6.858	96	352	Below Cal	#	1
36) cis-1,2-dichloroethene	8.534	96	64216	24.11	ug/L	91

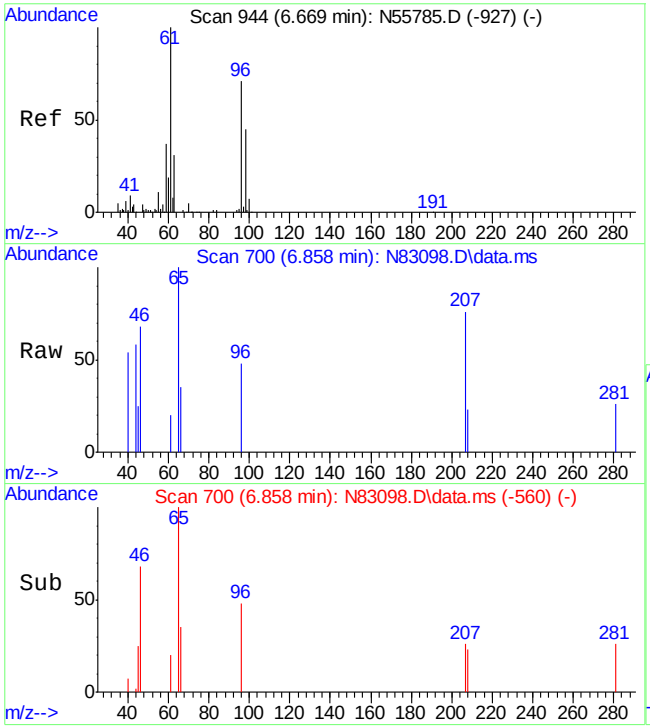
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83098.D
Acq On : 10 Dec 2013 2:03 pm
Operator : jaclynb
Sample : mc26923-4
Misc : ms30722,MSN3101,,,,5,20
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 10 14:27:16 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

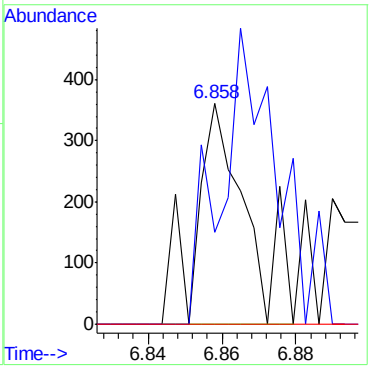


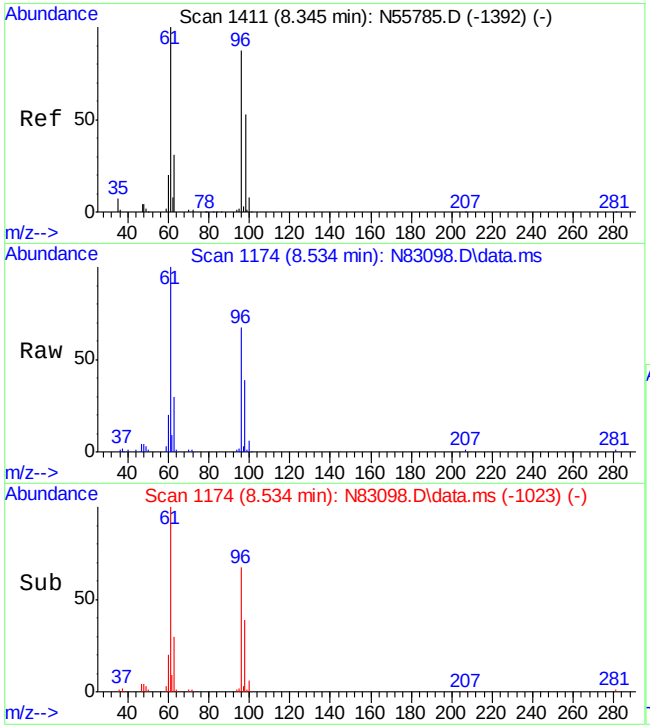


#15
1,1-dichloroethene
Concen: Below Cal
RT: 6.858 min Scan# 700
Delta R.T. -0.004 min
Lab File: N83098.D
Acq: 10 Dec 2013 2:03 pm

Tgt Ion: 96 Resp: 352

Ion	Ratio	Lower	Upper
96	100		
61	41.4	172.5	232.5#
63	0.0	32.6	92.6#

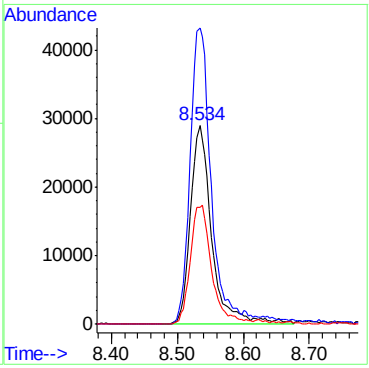




#36
cis-1,2-dichloroethene
Concen: 24.11 ug/L
RT: 8.534 min Scan# 1174
Delta R.T. 0.004 min
Lab File: N83098.D
Acq: 10 Dec 2013 2:03 pm

Tgt Ion: 96 Resp: 64216

Ion	Ratio	Lower	Upper
96	100		
61	149.1	131.2	191.2
98	58.6	36.1	96.1



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/10/13 14:53

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16672.D
Acq On : 9 Dec 2013 5:38 pm
Operator : garyk
Sample : mc26923-4
Misc : ms30722,msu797,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 10 08:44:46 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

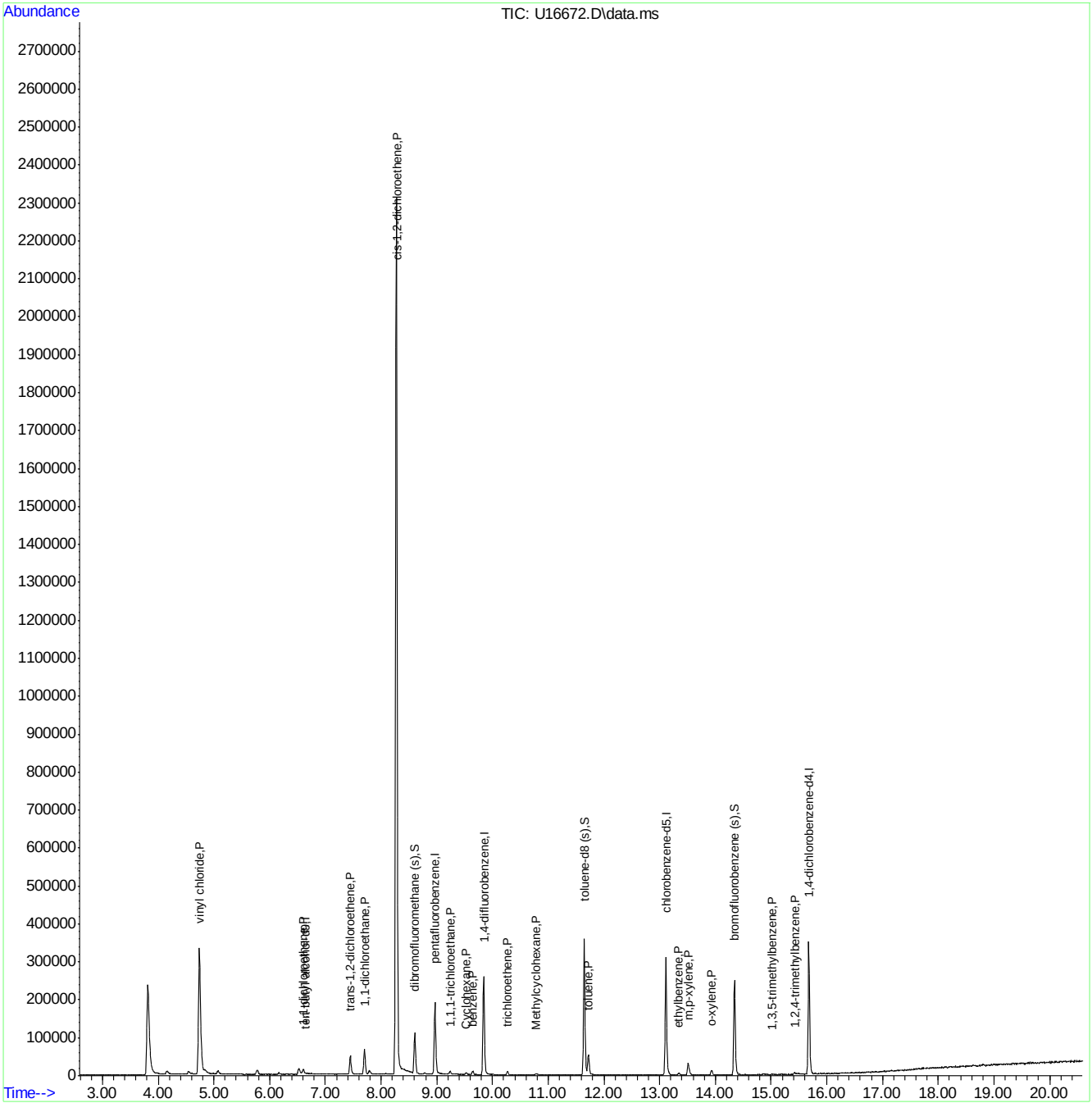
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.632	65	43847m	500.00	ppb		0.08
4) pentafluorobenzene	8.970	168	136825	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.846	114	210840	50.00	ppb		0.00
66) chlorobenzene-d5	13.114	82	104433	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.681	152	104624	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.606	113	66391	63.08	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 126.16%				
60) toluene-d8 (s)	11.650	98	244594	56.27	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.54%				
82) bromofluorobenzene (s)	14.345	95	95314	52.38	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.76%				
Target Compounds							Qvalue
7) vinyl chloride	4.748	62	523410	286.12	ppb		97
15) 1,1-dichloroethene	6.605	96	4950	4.71	ppb		87
22) trans-1,2-dichloroethene	7.448	96	17126	14.01	ppb		98
33) 1,1-dichloroethane	7.703	63	67142	26.00	ppb		99
37) cis-1,2-dichloroethene	8.281	96	939392	677.67	ppb		99
42) 1,1,1-trichloroethane	9.238	97	4874	2.61	ppb		90
44) Cyclohexane	9.523	56	2033	0.78	ppb	#	93
47) benzene	9.644	78	7352	0.47	ppb		96
51) trichloroethene	10.268	95	2958	1.99	ppb		91
55) Methylcyclohexane	10.786	83	1170	0.56	ppb	#	80
62) toluene	11.725	92	22517	7.17	ppb		96
74) ethylbenzene	13.341	91	4687	0.79	ppb		91
75) m,p-xylene	13.518	106	12626	5.50	ppb		99
76) o-xylene	13.934	106	4109	1.81	ppb	#	63
89) 1,3,5-trimethylbenzene	15.019	105	1871	0.36	ppb		70
91) 1,2,4-trimethylbenzene	15.424	105	3306	0.63	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

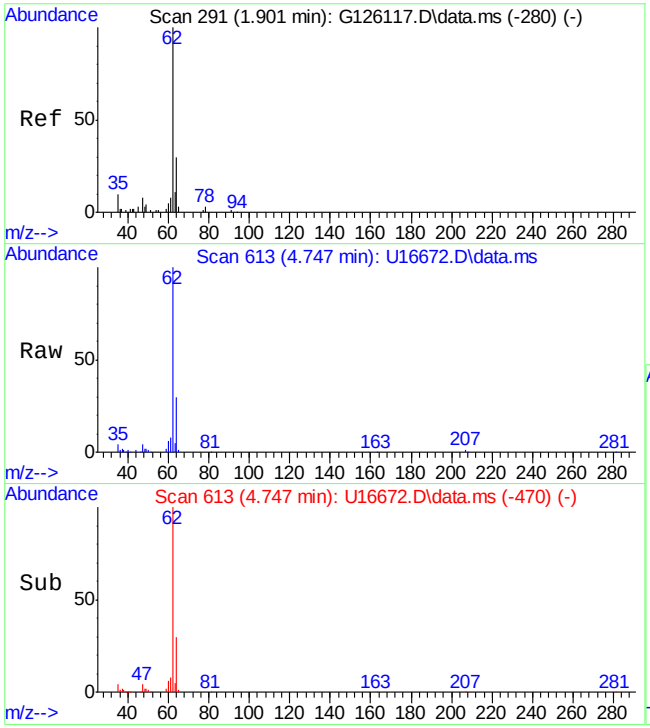
Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16672.D
Acq On : 9 Dec 2013 5:38 pm
Operator : garyk
Sample : mc26923-4
Misc : ms30722,msu797,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 10 08:44:46 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration



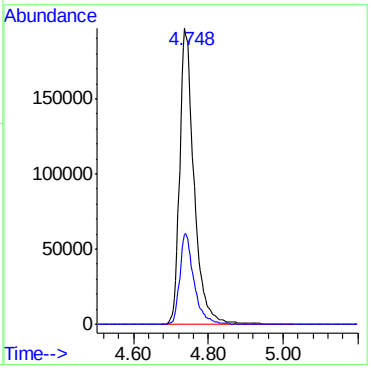
ACCUTEST LABORATORIES MC26923

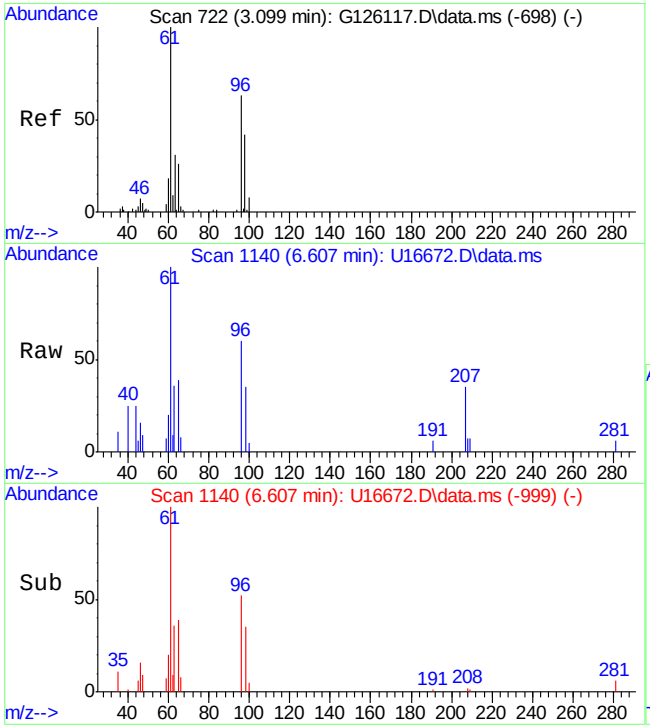


#7
vinyl chloride
Concen: 286.12 ppb
RT: 4.748 min Scan# 613
Delta R.T. 0.005 min
Lab File: U16672.D
Acq: 9 Dec 2013 5:38 pm

Tgt Ion: 62 Resp: 523410

Ion	Ratio	Lower	Upper
62	100		
64	29.9	1.8	61.8

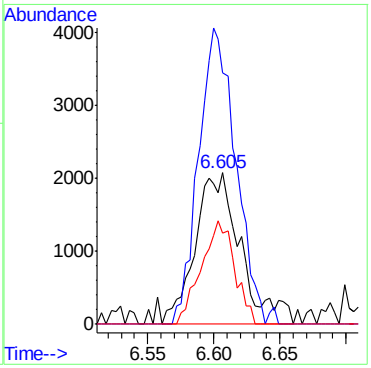


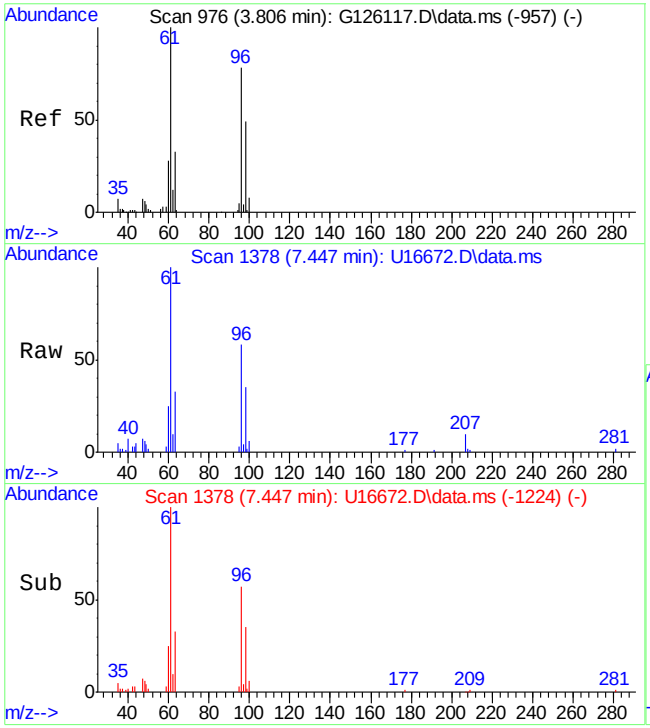


#15
1,1-dichloroethene
Concen: 4.71 ppb
RT: 6.605 min Scan# 1140
Delta R.T. -0.005 min
Lab File: U16672.D
Acq: 9 Dec 2013 5:38 pm

Tgt Ion: 96 Resp: 4950

Ion	Ratio	Lower	Upper
96	100		
61	165.9	158.7	218.7
63	59.8	27.6	87.6

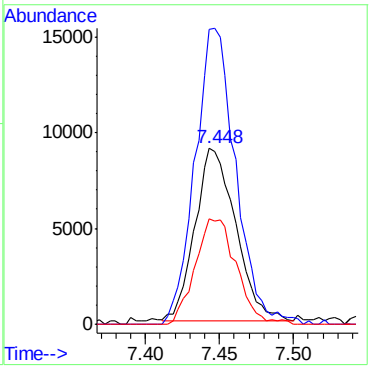


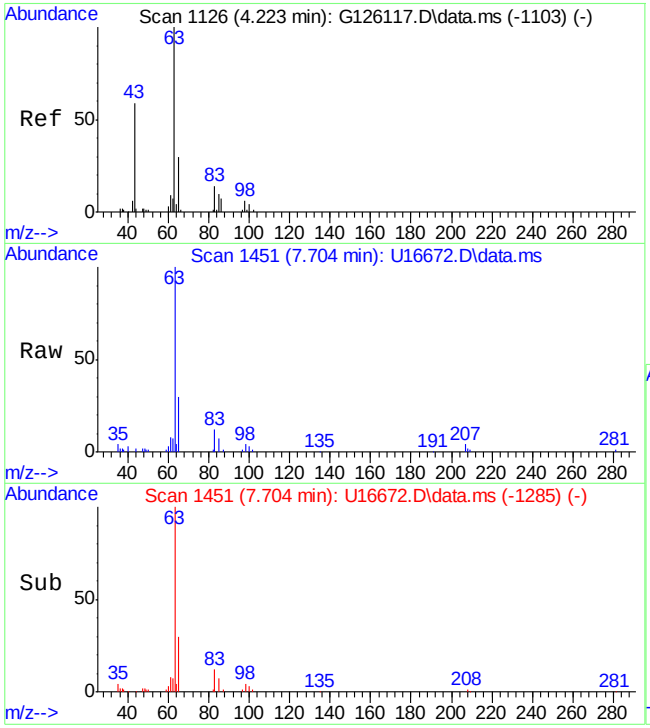


#22
trans-1,2-dichloroethene
Concen: 14.01 ppb
RT: 7.448 min Scan# 1378
Delta R.T. -0.006 min
Lab File: U16672.D
Acq: 9 Dec 2013 5:38 pm

Tgt Ion: 96 Resp: 17126

Ion	Ratio	Lower	Upper
96	100		
61	174.9	145.5	205.5
98	60.7	35.2	95.2

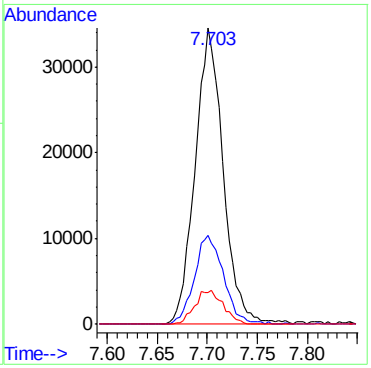


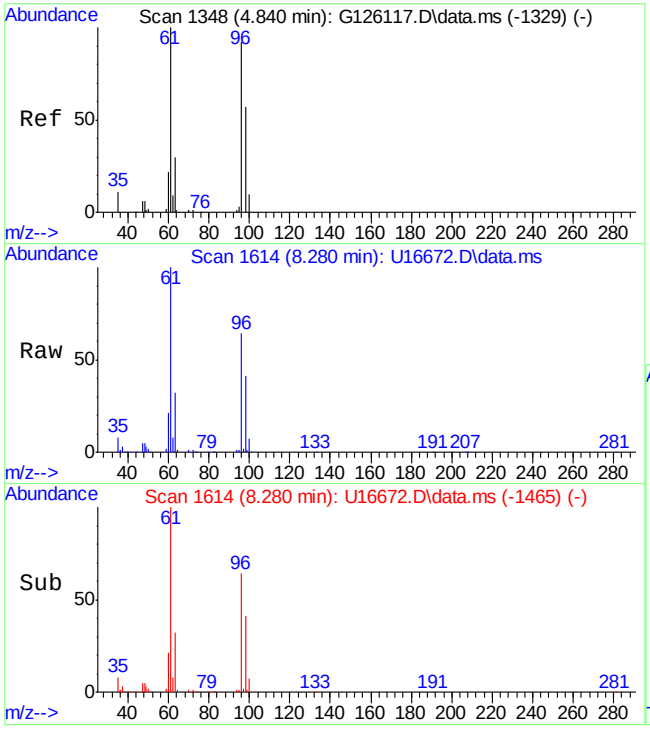


#33
1,1-dichloroethane
Concen: 26.00 ppb
RT: 7.703 min Scan# 1451
Delta R.T. -0.006 min
Lab File: U16672.D
Acq: 9 Dec 2013 5:38 pm

Tgt Ion: 63 Resp: 67142

Ion	Ratio	Lower	Upper
63	100		
65	29.5	0.0	59.7
83	12.2	0.0	41.8

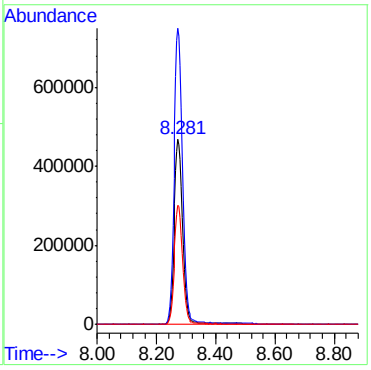


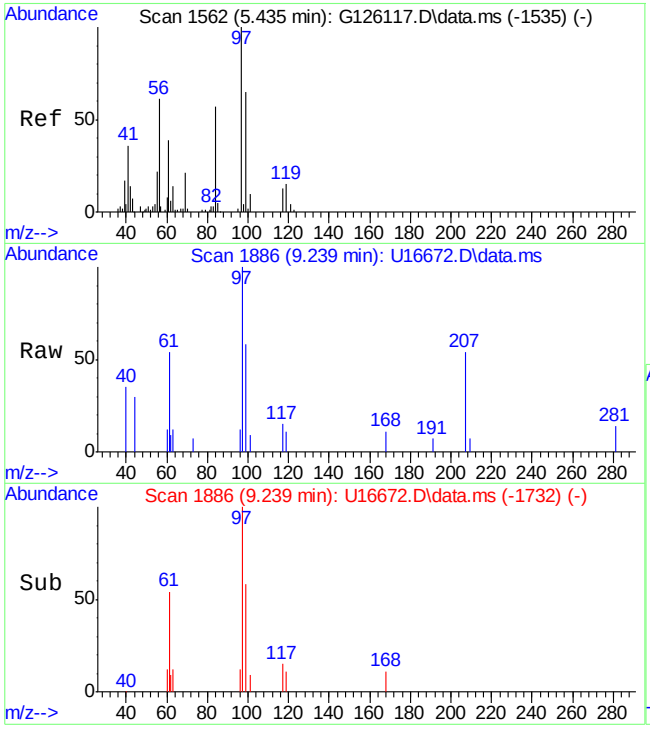


#37
cis-1,2-dichloroethene
Concen: 677.67 ppb
RT: 8.281 min Scan# 1614
Delta R.T. -0.002 min
Lab File: U16672.D
Acq: 9 Dec 2013 5:38 pm

Tgt Ion: 96 Resp: 939392

Ion	Ratio	Lower	Upper
96	100		
61	156.5	126.3	186.3
98	64.4	36.2	96.2

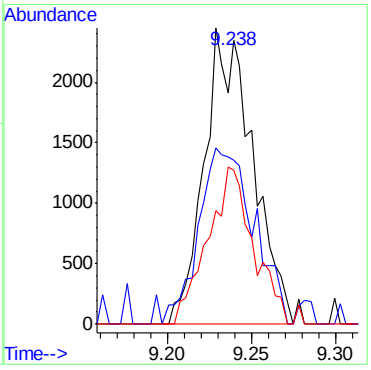


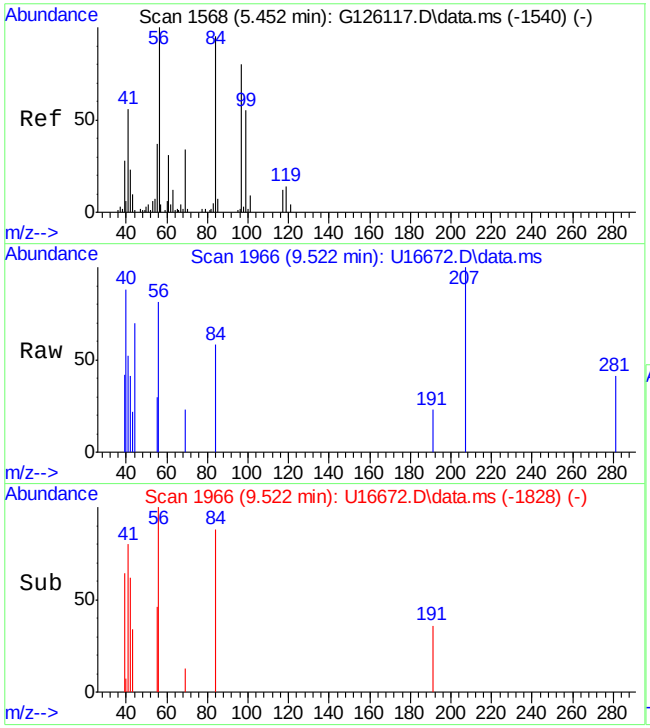


#42
1,1,1-trichloroethane
Concen: 2.61 ppb
RT: 9.238 min Scan# 1886
Delta R.T. -0.007 min
Lab File: U16672.D
Acq: 9 Dec 2013 5:38 pm

Tgt Ion: 97 Resp: 4874

Ion	Ratio	Lower	Upper
97	100		
99	57.8	33.0	93.0
61	54.2	14.2	74.2

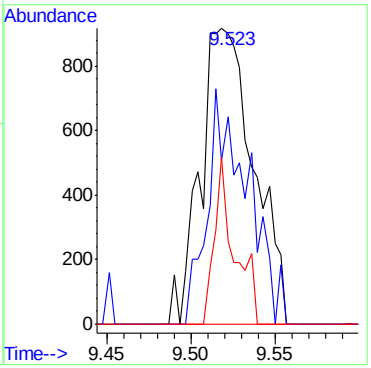


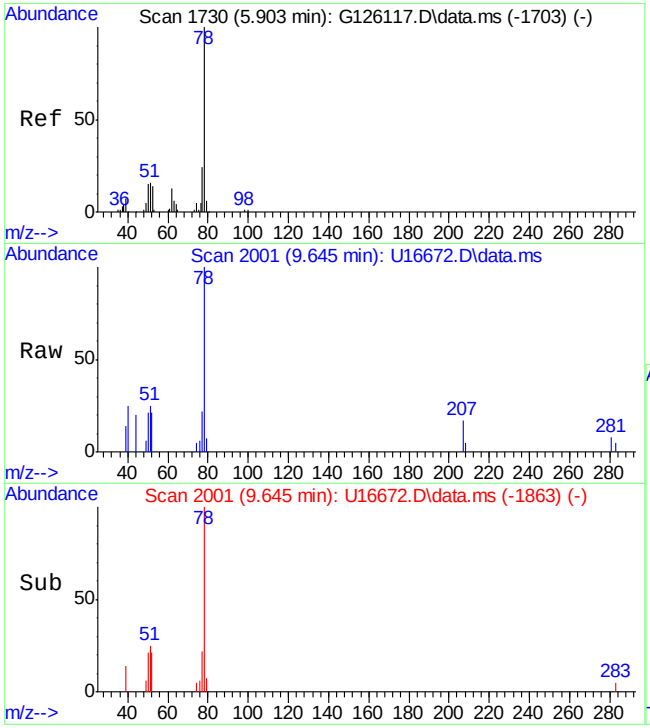


#44
Cyclohexane
Concen: 0.78 ppb
RT: 9.523 min Scan# 1966
Delta R.T. -0.012 min
Lab File: U16672.D
Acq: 9 Dec 2013 5:38 pm

Tgt Ion: 56 Resp: 2033

Ion	Ratio	Lower	Upper
56	100		
84	71.5	54.2	81.2
69	28.7	18.3	27.5#

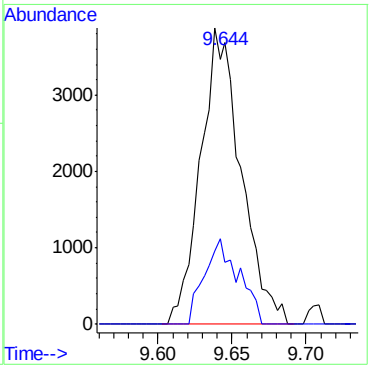


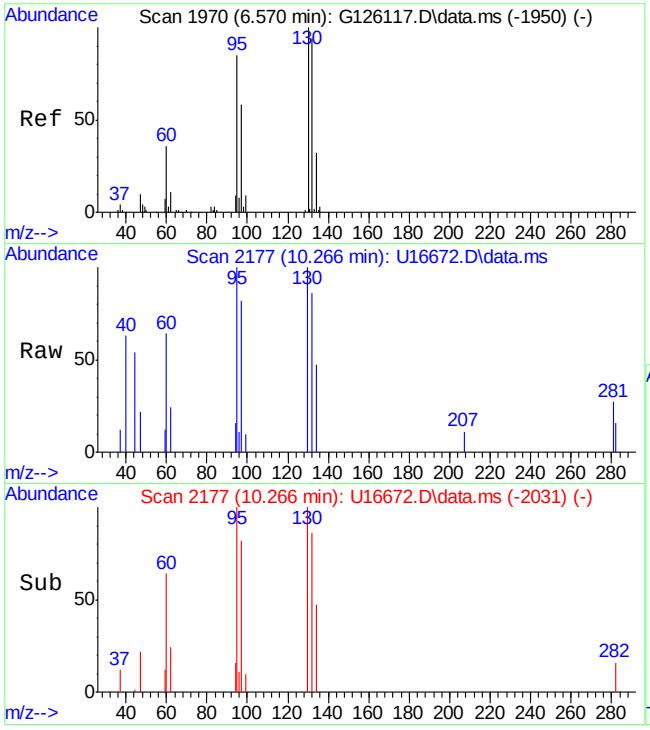


#47
benzene
Concen: 0.47 ppb
RT: 9.644 min Scan# 2001
Delta R.T. -0.004 min
Lab File: U16672.D
Acq: 9 Dec 2013 5:38 pm

Tgt Ion: 78 Resp: 7352

Ion	Ratio	Lower	Upper
78	100		
77	22.0	0.0	53.9

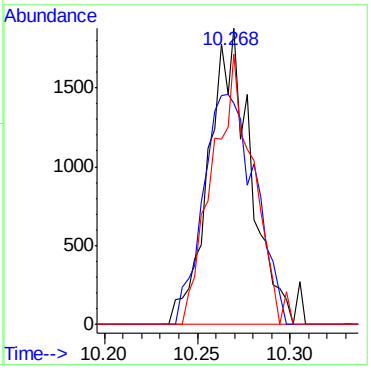


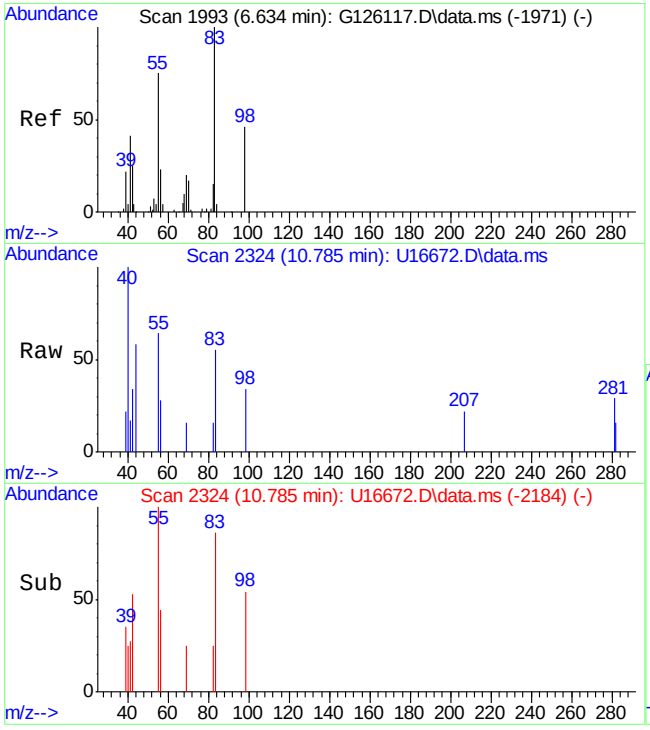


#51
trichloroethene
Concen: 1.99 ppb
RT: 10.268 min Scan# 2177
Delta R.T. -0.003 min
Lab File: U16672.D
Acq: 9 Dec 2013 5:38 pm

Tgt Ion: 95 Resp: 2958

Ion	Ratio	Lower	Upper
95	100		
130	99.9	58.8	118.8
132	85.9	62.5	122.5

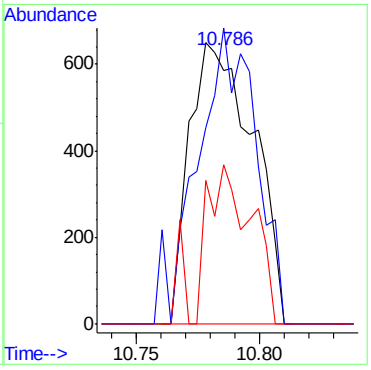


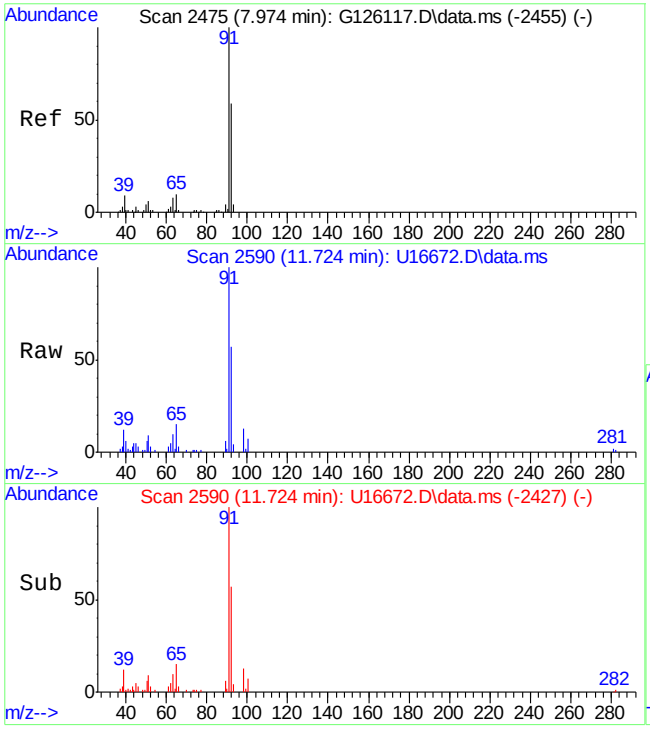


#55
Methylcyclohexane
Concen: 0.56 ppb
RT: 10.786 min Scan# 2324
Delta R.T. -0.004 min
Lab File: U16672.D
Acq: 9 Dec 2013 5:38 pm

Tgt Ion: 83 Resp: 1170

Ion	Ratio	Lower	Upper
83	100		
55	116.9	81.4	122.2
98	62.9	34.2	51.2#

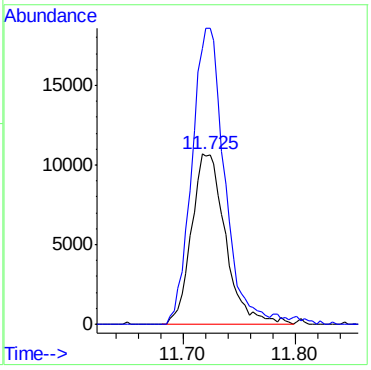


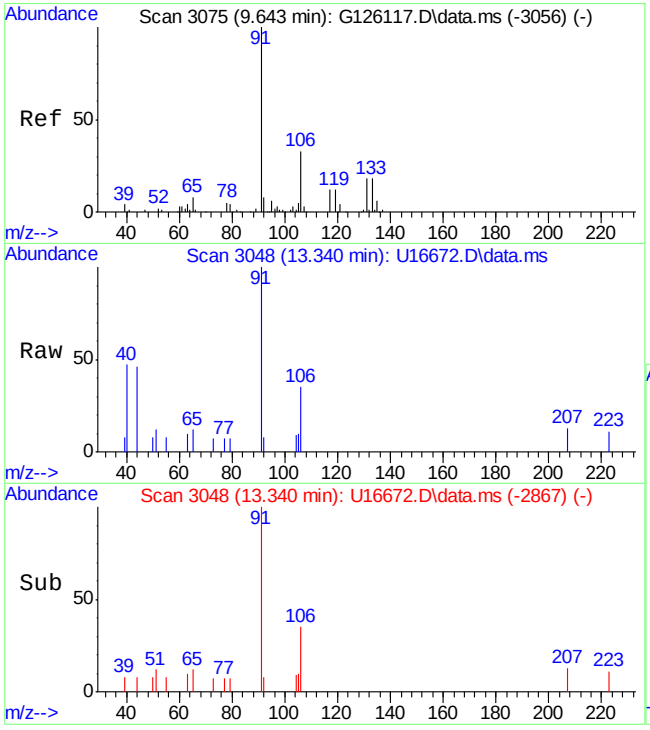


#62
toluene
Concen: 7.17 ppb
RT: 11.725 min Scan# 2590
Delta R.T. -0.003 min
Lab File: U16672.D
Acq: 9 Dec 2013 5:38 pm

Tgt Ion: 92 Resp: 22517

Ion	Ratio	Lower	Upper
92	100		
91	174.4	139.2	199.2

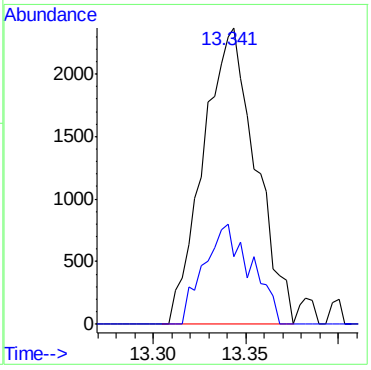


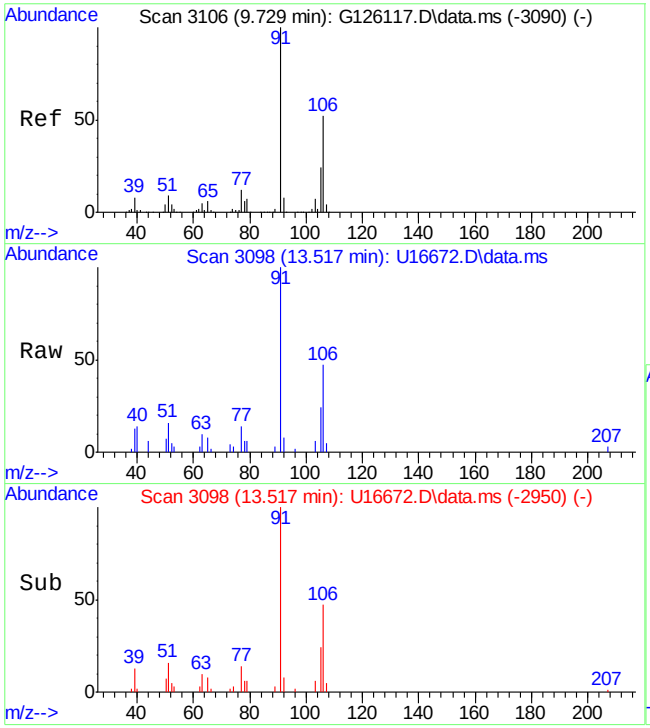


#74
ethylbenzene
Concen: 0.79 ppb
RT: 13.341 min Scan# 3048
Delta R.T. 0.011 min
Lab File: U16672.D
Acq: 9 Dec 2013 5:38 pm

Tgt Ion: 91 Resp: 4687

Ion	Ratio	Lower	Upper
91	100		
106	34.7	0.1	60.1

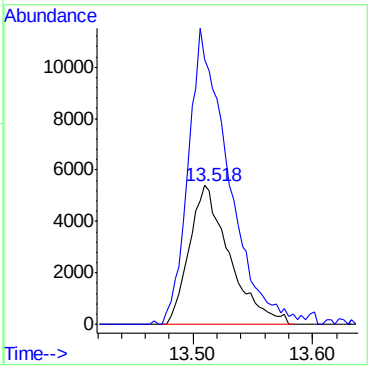


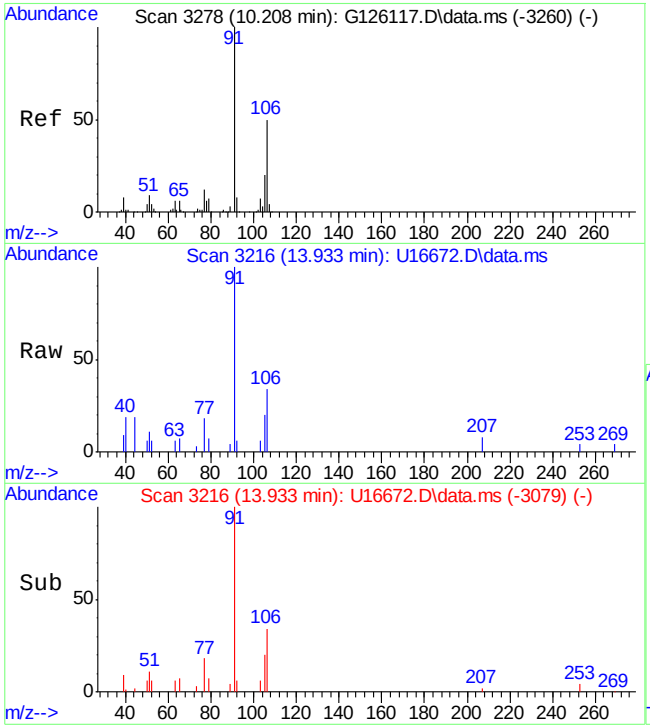


#75
m,p-xylene
Concen: 5.50 ppb
RT: 13.518 min Scan# 3098
Delta R.T. 0.004 min
Lab File: U16672.D
Acq: 9 Dec 2013 5:38 pm

Tgt Ion:106 Resp: 12626

Ion	Ratio	Lower	Upper
106	100		
91	211.5	180.7	240.7

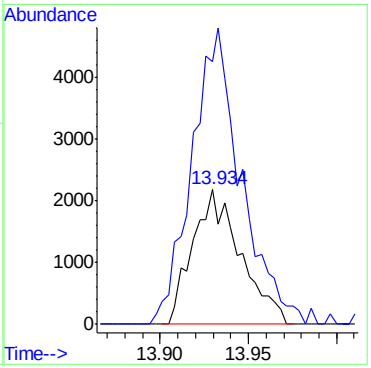


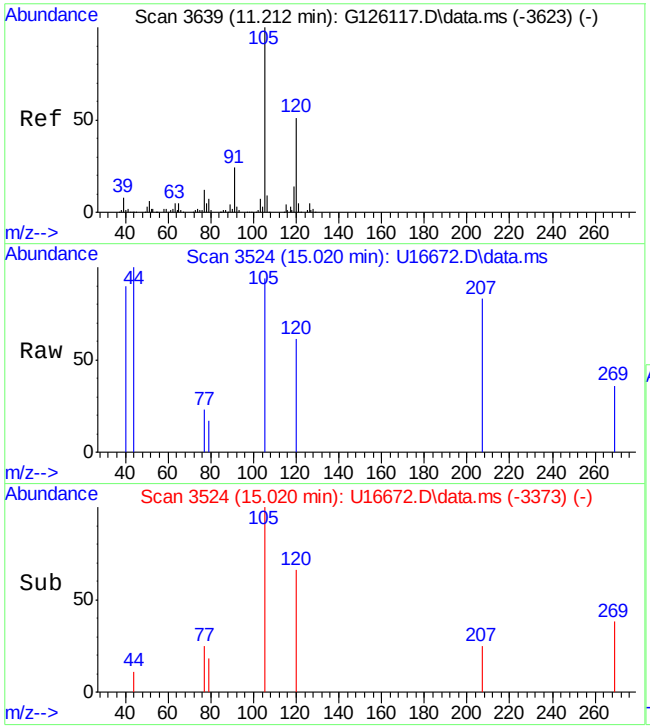


#76
o-xylene
Concen: 1.81 ppb
RT: 13.934 min Scan# 3216
Delta R.T. 0.006 min
Lab File: U16672.D
Acq: 9 Dec 2013 5:38 pm

Tgt Ion:106 Resp: 4109

Ion	Ratio	Lower	Upper
106	100		
91	277.8	188.5	248.5#

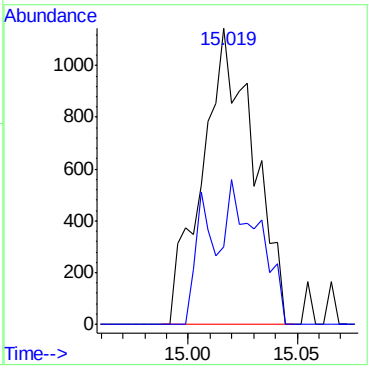


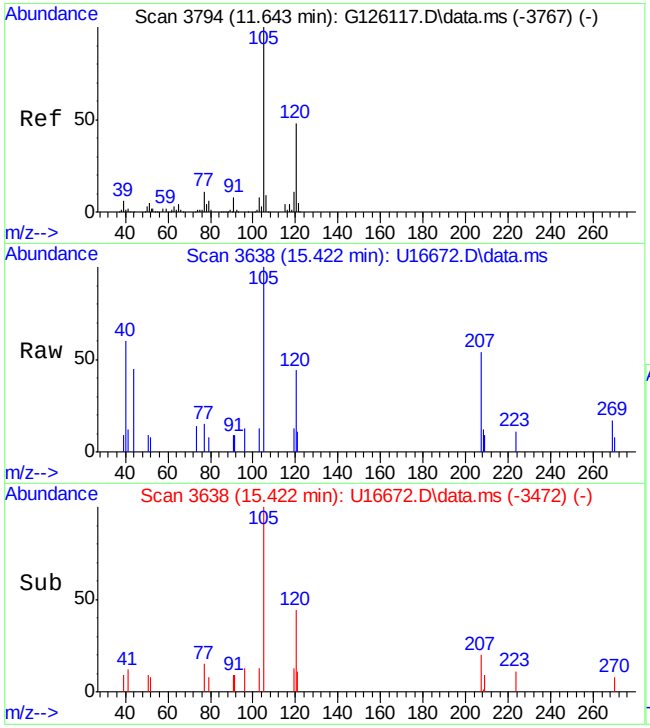


#89
1,3,5-trimethylbenzene
Concen: 0.36 ppb
RT: 15.019 min Scan# 3524
Delta R.T. 0.003 min
Lab File: U16672.D
Acq: 9 Dec 2013 5:38 pm

Tgt Ion:105 Resp: 1871

Ion	Ratio	Lower	Upper
105	100		
120	65.7	16.1	76.1

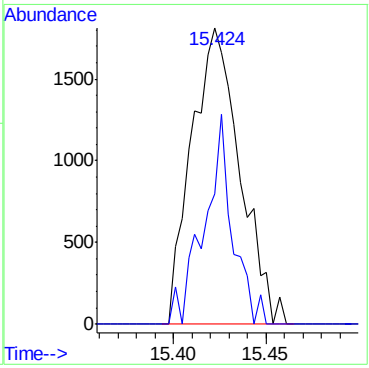




#91
1,2,4-trimethylbenzene
Concen: 0.63 ppb
RT: 15.424 min Scan# 3638
Delta R.T. -0.001 min
Lab File: U16672.D
Acq: 9 Dec 2013 5:38 pm

Tgt Ion:105 Resp: 3306

Ion	Ratio	Lower	Upper
105	100		
120	44.1	15.3	75.3



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U131209\
Data File : U16672.D
Acq On : 9 Dec 2013 5:38 pm
Operator : garyk
Sample : mc26923-4
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U131017W.m
Title : SW-846 Method 8260

Signal : TIC: U16672.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.737	588	610	683	rBV	332618	915202	19.94%	9.689%
2	7.447	1363	1378	1413	rVB2	48902	97950	2.13%	1.037%
3	7.701	1433	1450	1468	rBV	66676	132603	2.89%	1.404%
4	8.273	1593	1612	1688	rBV	2308957	4590238	100.00%	48.598%
5	8.604	1688	1706	1738	rVB2	108328	224908	4.90%	2.381%
6	8.964	1778	1808	1863	rBV	189222	383247	8.35%	4.057%
7	9.839	2033	2056	2123	rVB	259423	513293	11.18%	5.434%
8	11.646	2543	2568	2583	rBV	358937	661536	14.41%	7.004%
9	11.724	2583	2590	2638	rVB2	53221	109122	2.38%	1.155%
10	13.114	2958	2984	3028	rVB	310888	596141	12.99%	6.311%
11	13.509	3078	3096	3133	rVB3	30858	77886	1.70%	0.825%
12	14.342	3303	3332	3388	rVB2	249274	482681	10.52%	5.110%
13	15.676	3683	3710	3748	rBV2	350017	660600	14.39%	6.994%

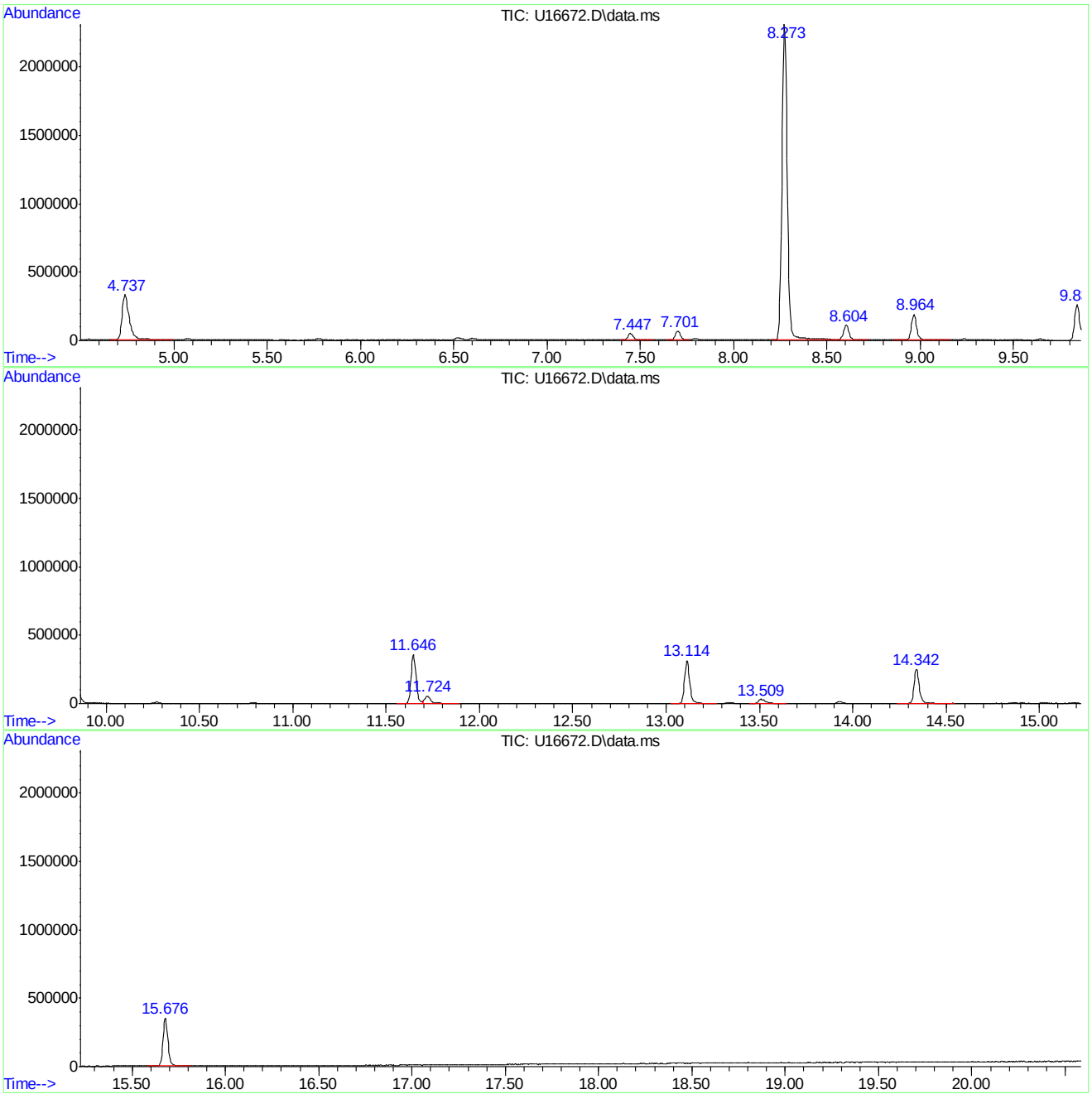
Sum of corrected areas: 9445407

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U131209\
Data File : U16672.D
Acq On : 9 Dec 2013 5:38 pm
Operator : garyk
Sample : mc26923-4
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U131209\
Data File : U16672.D
Acq On : 9 Dec 2013 5:38 pm
Operator : garyk
Sample : mc26923-4
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U131209\
Data File : U16672.D
Acq On : 9 Dec 2013 5:38 pm
Operator : garyk
Sample : mc26923-4
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/10/13 10:40

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16673.D
Acq On : 9 Dec 2013 6:05 pm
Operator : garyk
Sample : mc26923-5
Misc : ms30722,msu797,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 10 08:48:47 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

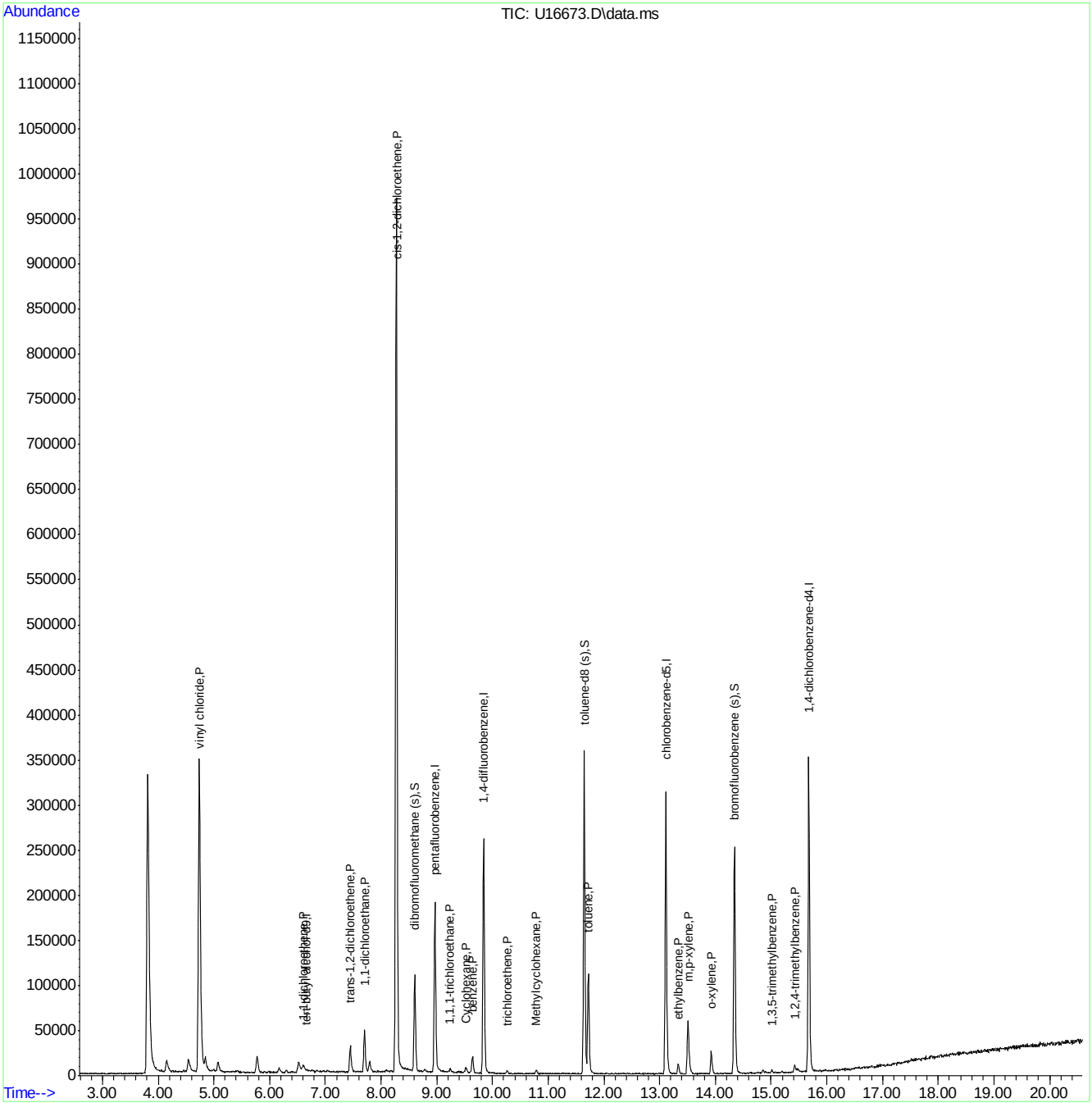
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.656	65	42660m	500.00	ppb		0.10
4) pentafluorobenzene	8.971	168	136735	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.844	114	208087	50.00	ppb		0.00
66) chlorobenzene-d5	13.113	82	104328	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.680	152	104322	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.605	113	65715	62.48	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 124.96%				
60) toluene-d8 (s)	11.649	98	245028	57.11	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 114.22%				
82) bromofluorobenzene (s)	14.344	95	96082	52.96	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.92%				
Target Compounds							Qvalue
7) vinyl chloride	4.744	62	526348	287.91	ppb		98
15) 1,1-dichloroethene	6.605	96	2275	2.17	ppb		92
22) trans-1,2-dichloroethene	7.450	96	11344	9.28	ppb		84
33) 1,1-dichloroethane	7.703	63	46021	17.83	ppb		98
37) cis-1,2-dichloroethene	8.281	96	398369	287.57	ppb		98
42) 1,1,1-trichloroethane	9.237	97	2414	1.30	ppb		79
44) Cyclohexane	9.522	56	3078	1.20	ppb		87
47) benzene	9.643	78	14561	1.98	ppb		96
51) trichloroethene	10.268	95	1344	0.91	ppb	#	36
55) Methylcyclohexane	10.786	83	1544	0.75	ppb	#	83
62) toluene	11.723	92	47588	15.35	ppb		100
74) ethylbenzene	13.338	91	9282	1.56	ppb		94
75) m,p-xylene	13.513	106	22940	10.00	ppb		98
76) o-xylene	13.930	106	8534	3.77	ppb		83
89) 1,3,5-trimethylbenzene	15.019	105	2598	0.50	ppb		99
91) 1,2,4-trimethylbenzene	15.424	105	5516	1.05	ppb		92

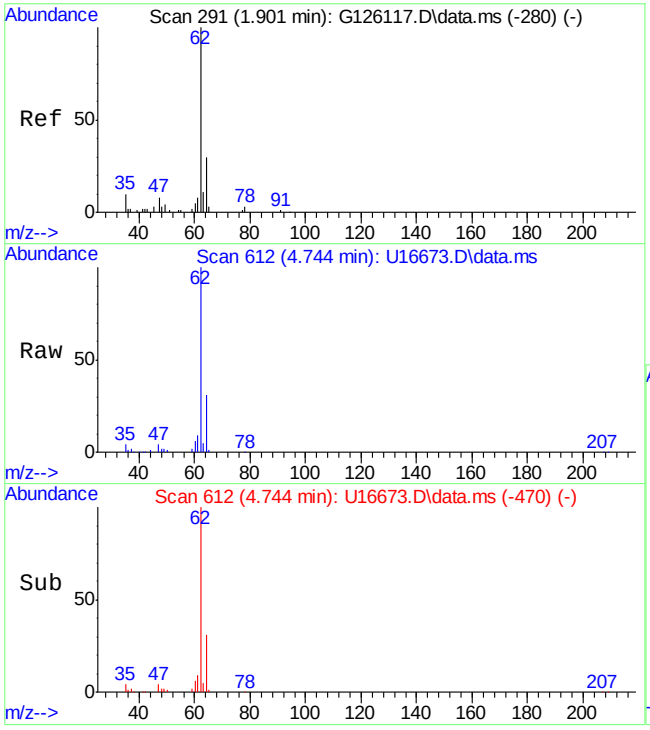
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16673.D
Acq On : 9 Dec 2013 6:05 pm
Operator : garyk
Sample : mc26923-5
Misc : ms30722,msu797,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 10 08:48:47 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

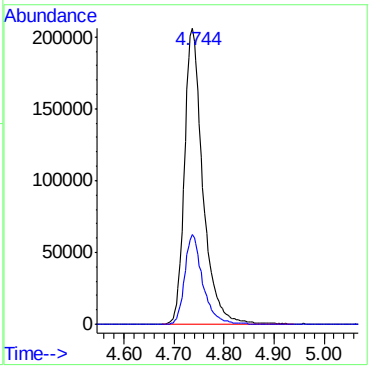


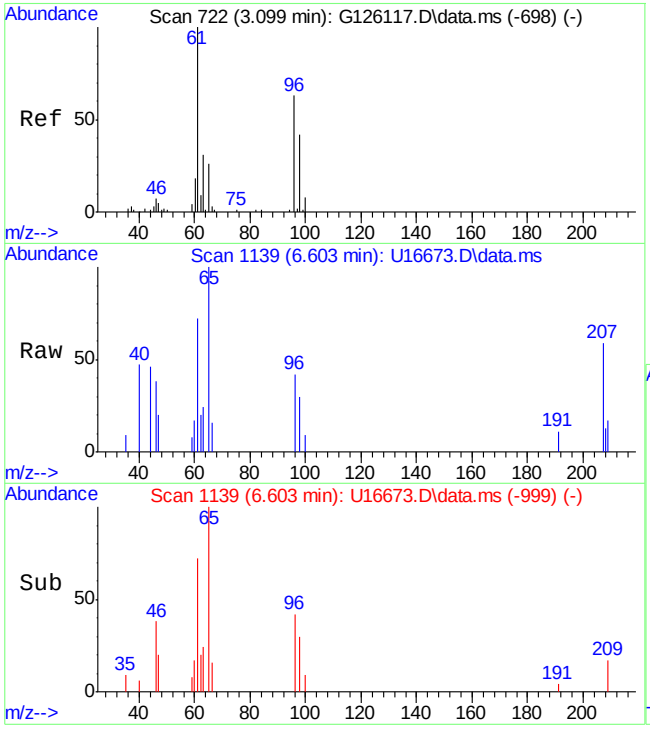


#7
vinyl chloride
Concen: 287.91 ppb
RT: 4.744 min Scan# 612
Delta R.T. 0.001 min
Lab File: U16673.D
Acq: 9 Dec 2013 6:05 pm

Tgt Ion: 62 Resp: 526348

Ion	Ratio	Lower	Upper
62	100		
64	30.8	1.8	61.8

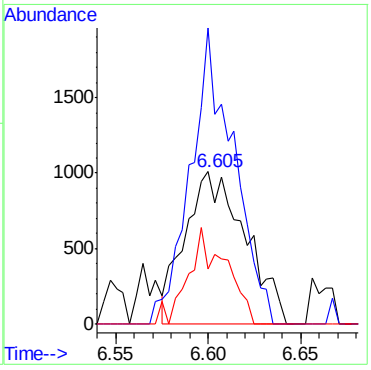


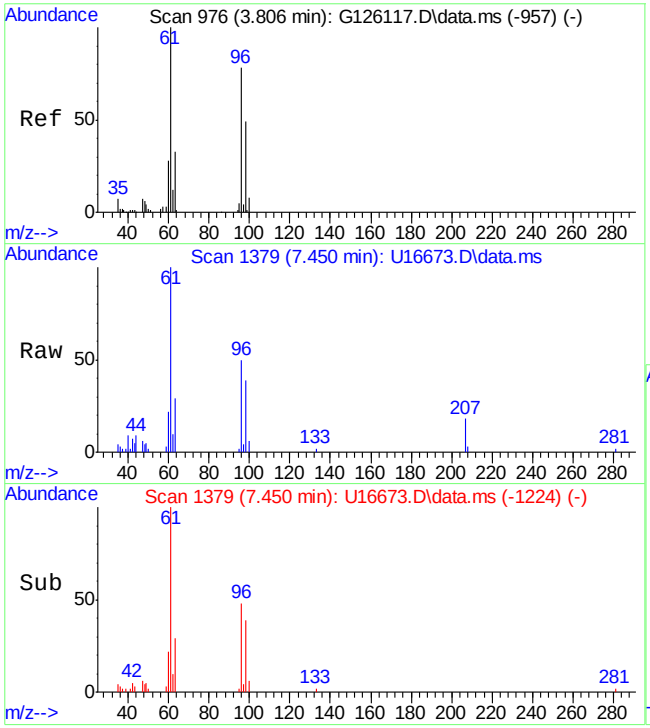


#15
1,1-dichloroethene
Concen: 2.17 ppb
RT: 6.605 min Scan# 1139
Delta R.T. -0.005 min
Lab File: U16673.D
Acq: 9 Dec 2013 6:05 pm

Tgt Ion: 96 Resp: 2275

Ion	Ratio	Lower	Upper
96	100		
61	173.0	158.7	218.7
63	57.6	27.6	87.6

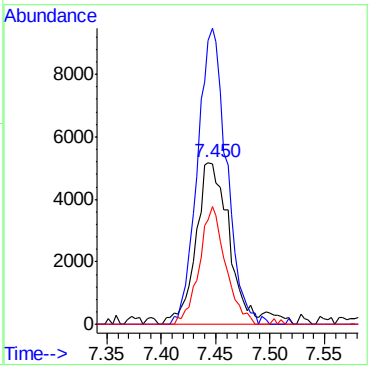


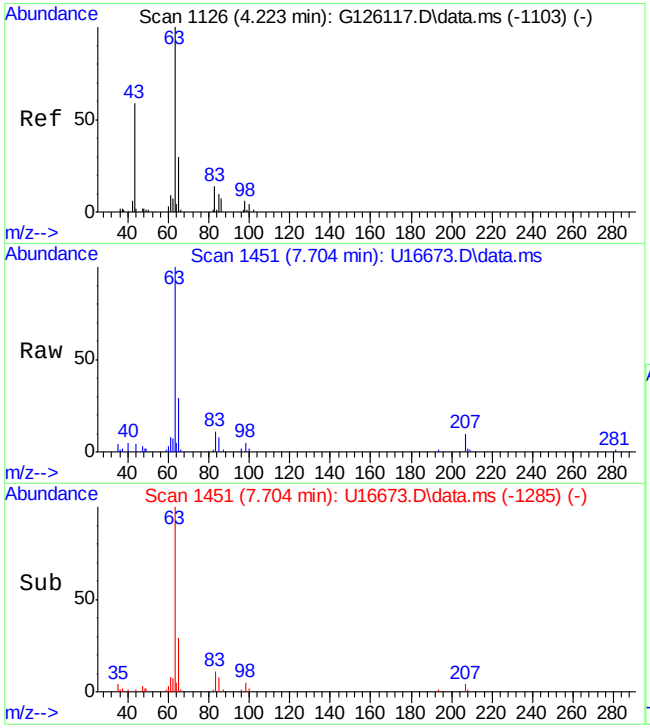


#22
trans-1,2-dichloroethene
Concen: 9.28 ppb
RT: 7.450 min Scan# 1379
Delta R.T. -0.004 min
Lab File: U16673.D
Acq: 9 Dec 2013 6:05 pm

Tgt Ion: 96 Resp: 11344

Ion	Ratio	Lower	Upper
96	100		
61	199.2	145.5	205.5
98	76.8	35.2	95.2

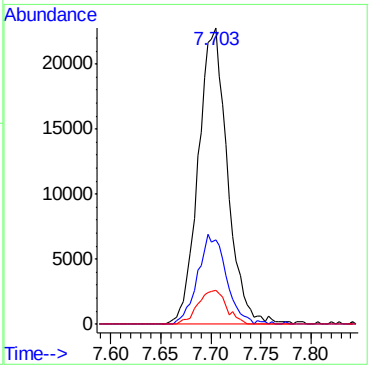


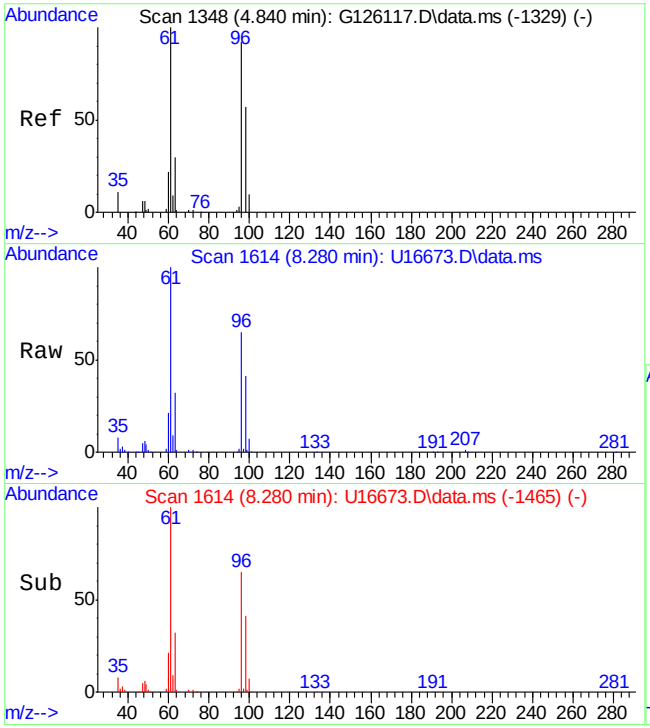


#33
1,1-dichloroethane
Concen: 17.83 ppb
RT: 7.703 min Scan# 1451
Delta R.T. -0.006 min
Lab File: U16673.D
Acq: 9 Dec 2013 6:05 pm

Tgt Ion: 63 Resp: 46021

Ion	Ratio	Lower	Upper
63	100		
65	28.6	0.0	59.7
83	11.3	0.0	41.8

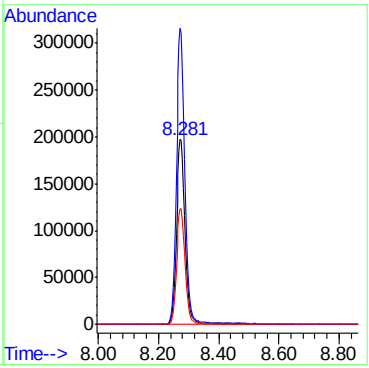


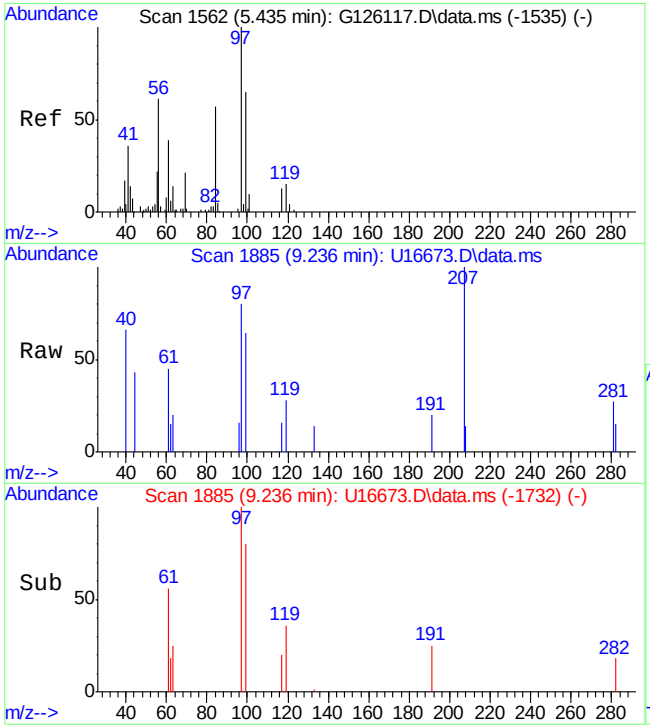


#37
cis-1,2-dichloroethene
Concen: 287.57 ppb
RT: 8.281 min Scan# 1614
Delta R.T. -0.002 min
Lab File: U16673.D
Acq: 9 Dec 2013 6:05 pm

Tgt Ion: 96 Resp: 398369

Ion	Ratio	Lower	Upper
96	100		
61	154.2	126.3	186.3
98	63.0	36.2	96.2

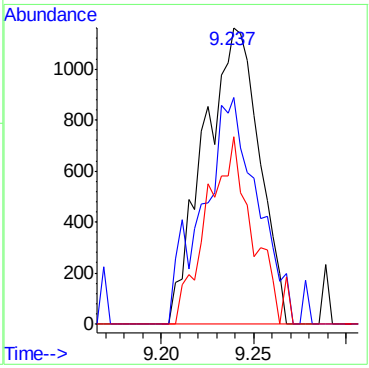


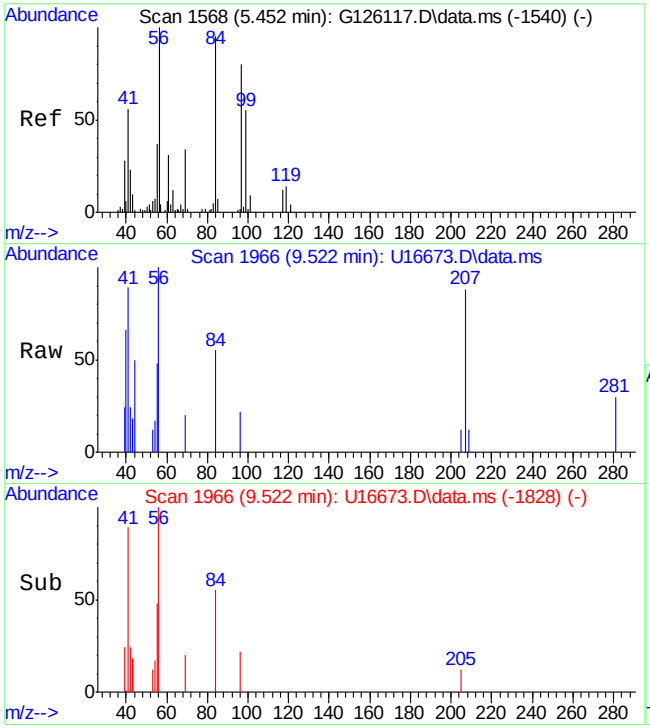


#42
1,1,1-trichloroethane
Concen: 1.30 ppb
RT: 9.237 min Scan# 1885
Delta R.T. -0.008 min
Lab File: U16673.D
Acq: 9 Dec 2013 6:05 pm

Tgt Ion: 97 Resp: 2414

Ion	Ratio	Lower	Upper
97	100		
99	80.4	33.0	93.0
61	56.4	14.2	74.2

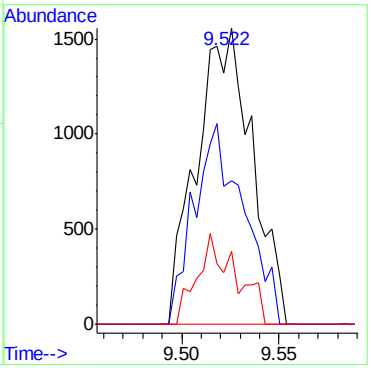


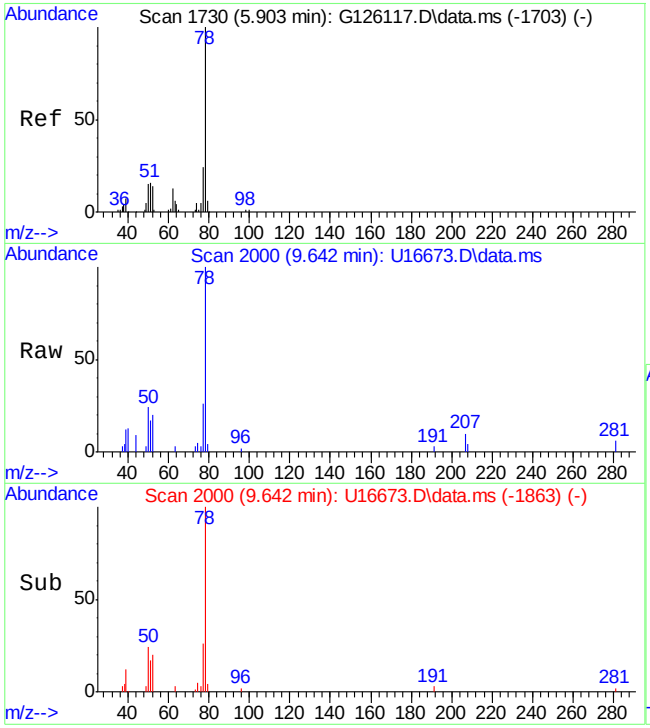


#44
Cyclohexane
Concen: 1.20 ppb
RT: 9.522 min Scan# 1966
Delta R.T. -0.013 min
Lab File: U16673.D
Acq: 9 Dec 2013 6:05 pm

Tgt Ion: 56 Resp: 3078

Ion	Ratio	Lower	Upper
56	100		
84	55.0	54.2	81.2
69	20.4	18.3	27.5

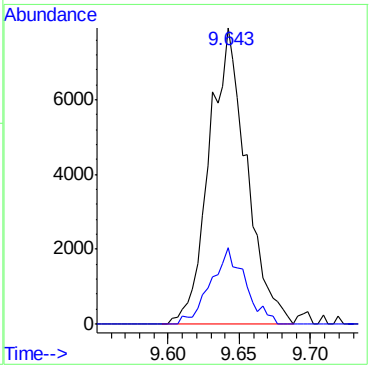


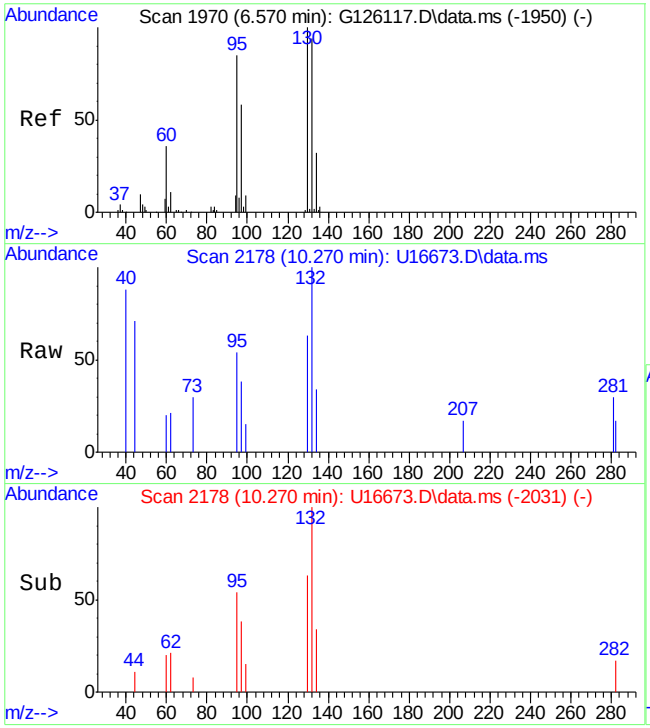


#47
benzene
Concen: 1.98 ppb
RT: 9.643 min Scan# 2000
Delta R.T. -0.005 min
Lab File: U16673.D
Acq: 9 Dec 2013 6:05 pm

Tgt Ion: 78 Resp: 14561

Ion	Ratio	Lower	Upper
78	100		
77	25.7	0.0	53.9

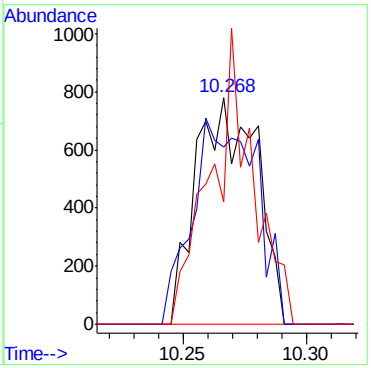


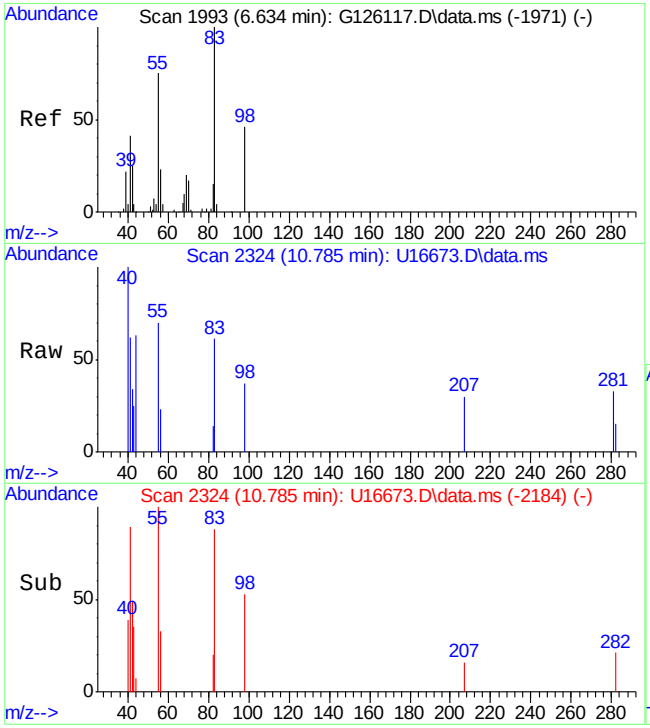


#51
trichloroethene
Concen: 0.91 ppb
RT: 10.268 min Scan# 2178
Delta R.T. -0.003 min
Lab File: U16673.D
Acq: 9 Dec 2013 6:05 pm

Tgt Ion: 95 Resp: 1344

Ion	Ratio	Lower	Upper
95	100		
130	116.2	58.8	118.8
132	184.9	62.5	122.5#

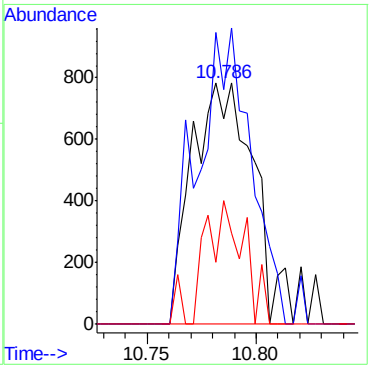


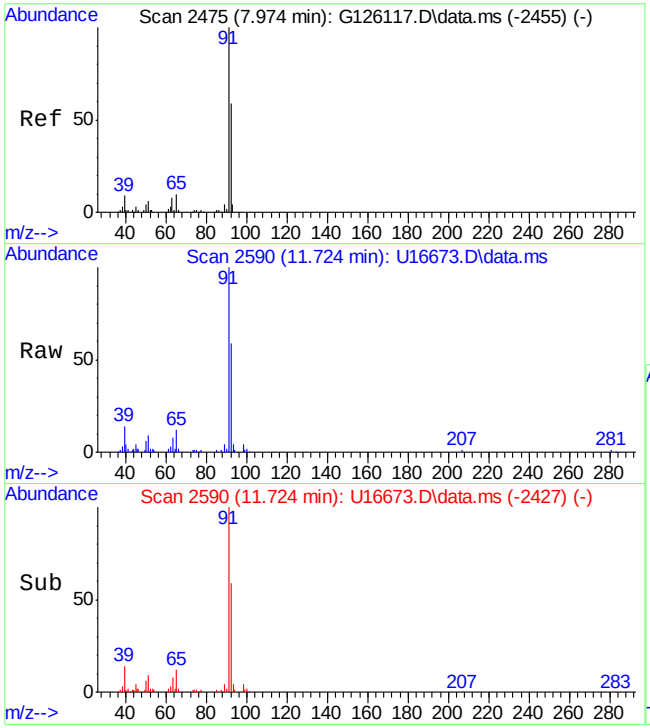


#55
Methylcyclohexane
Concen: 0.75 ppb
RT: 10.786 min Scan# 2324
Delta R.T. -0.004 min
Lab File: U16673.D
Acq: 9 Dec 2013 6:05 pm

Tgt Ion: 83 Resp: 1544

Ion	Ratio	Lower	Upper
83	100		
55	114.1	81.4	122.2
98	60.2	34.2	51.2#

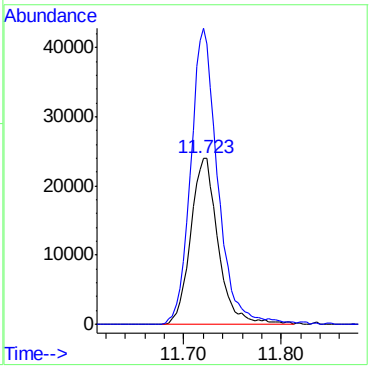


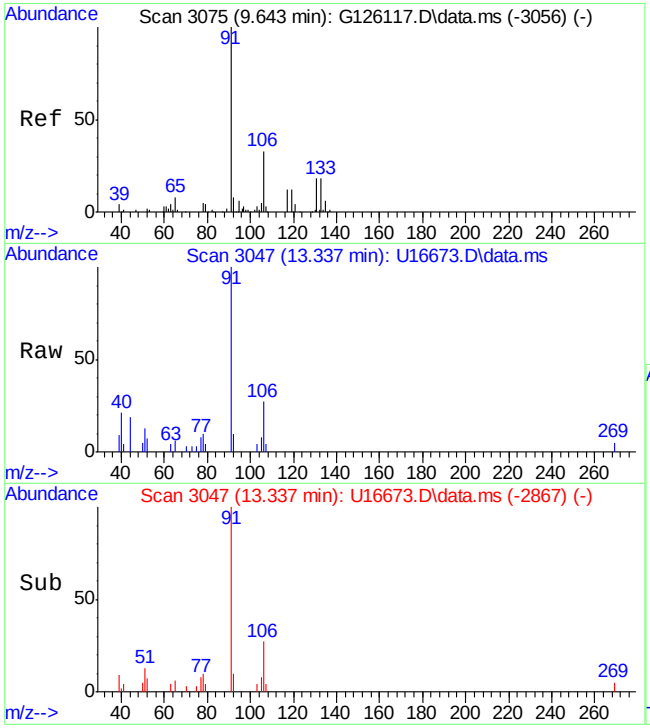


#62
toluene
Concen: 15.35 ppb
RT: 11.723 min Scan# 2590
Delta R.T. -0.005 min
Lab File: U16673.D
Acq: 9 Dec 2013 6:05 pm

Tgt Ion: 92 Resp: 47588

Ion	Ratio	Lower	Upper
92	100		
91	169.4	139.2	199.2

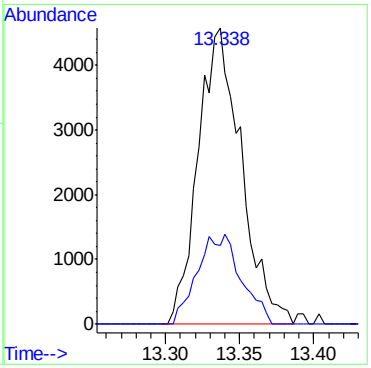


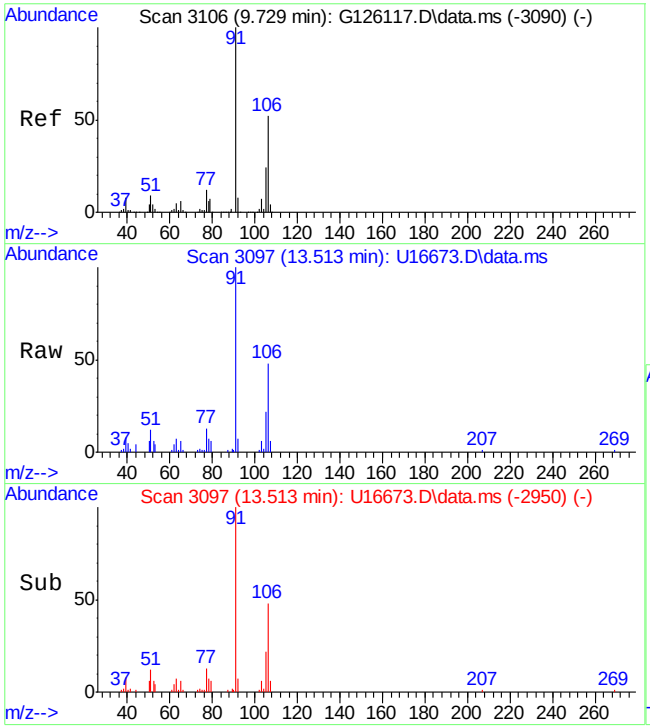


#74
ethylbenzene
Concen: 1.56 ppb
RT: 13.338 min Scan# 3047
Delta R.T. 0.008 min
Lab File: U16673.D
Acq: 9 Dec 2013 6:05 pm

Tgt Ion: 91 Resp: 9282

Ion	Ratio	Lower	Upper
91	100		
106	26.7	0.1	60.1

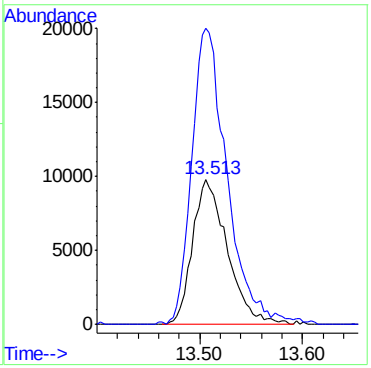


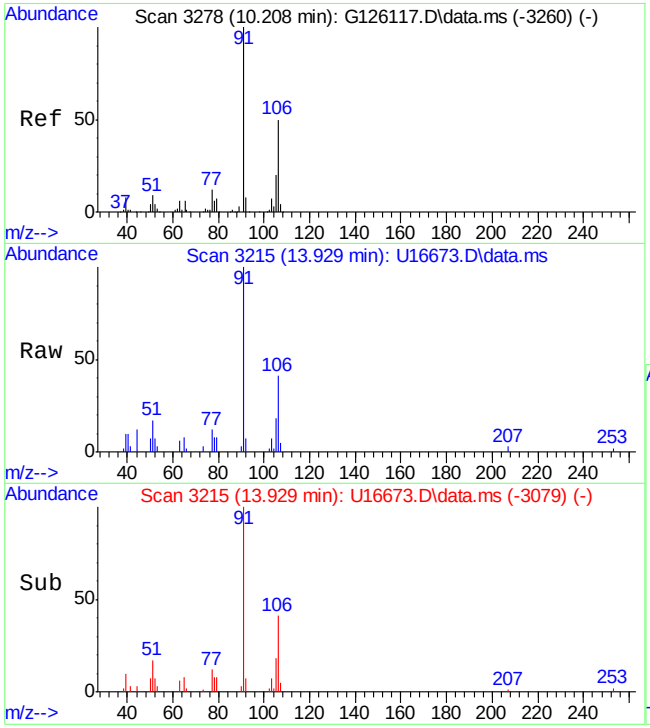


#75
m,p-xylene
Concen: 10.00 ppb
RT: 13.513 min Scan# 3097
Delta R.T. -0.001 min
Lab File: U16673.D
Acq: 9 Dec 2013 6:05 pm

Tgt Ion:106 Resp: 22940

Ion	Ratio	Lower	Upper
106	100		
91	208.3	180.7	240.7

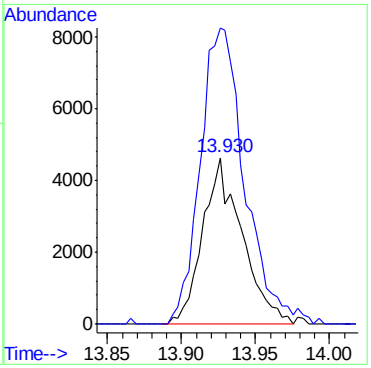


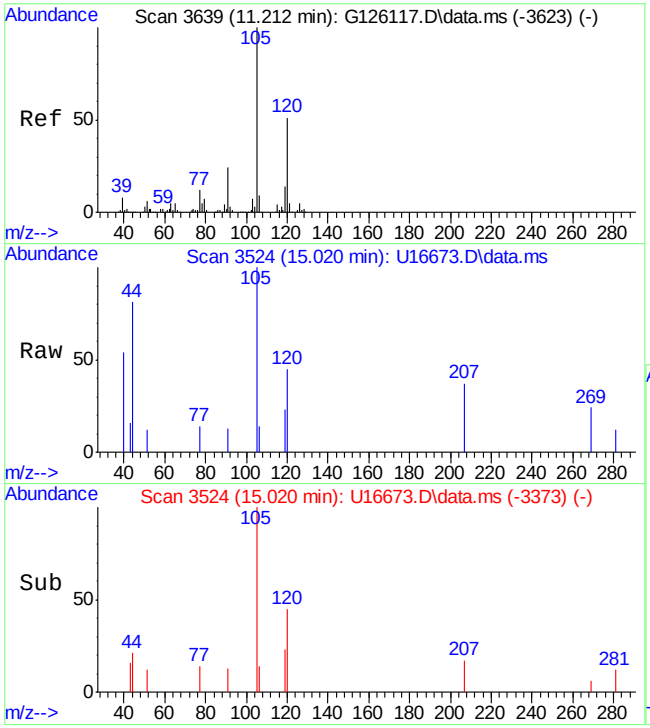


#76
o-xylene
Concen: 3.77 ppb
RT: 13.930 min Scan# 3215
Delta R.T. 0.002 min
Lab File: U16673.D
Acq: 9 Dec 2013 6:05 pm

Tgt Ion:106 Resp: 8534

Ion	Ratio	Lower	Upper
106	100		
91	244.9	188.5	248.5

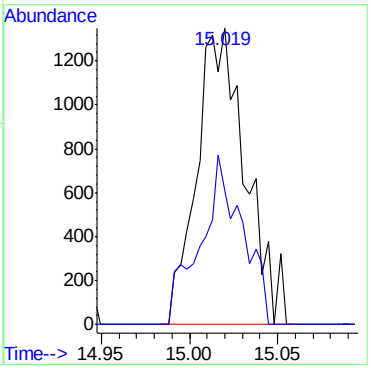


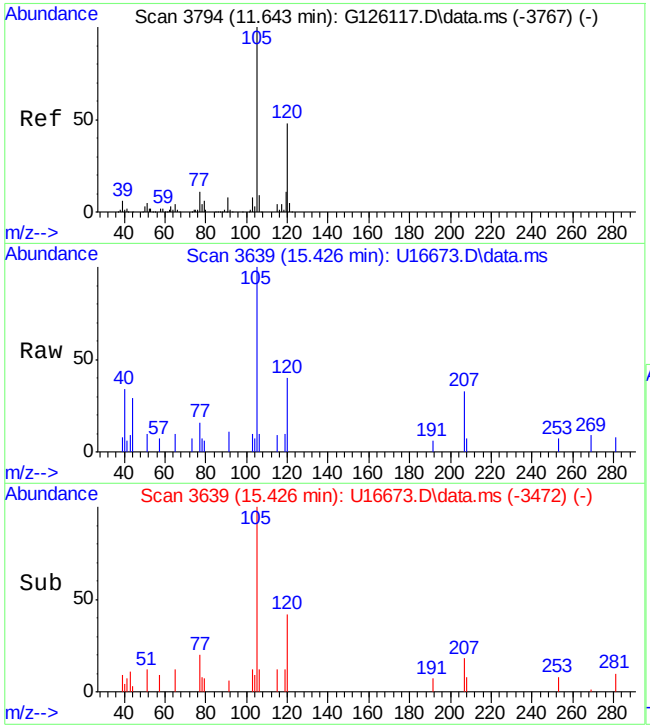


#89
1,3,5-trimethylbenzene
Concen: 0.50 ppb
RT: 15.019 min Scan# 3524
Delta R.T. 0.003 min
Lab File: U16673.D
Acq: 9 Dec 2013 6:05 pm

Tgt Ion:105 Resp: 2598

Ion	Ratio	Lower	Upper
105	100		
120	45.2	16.1	76.1

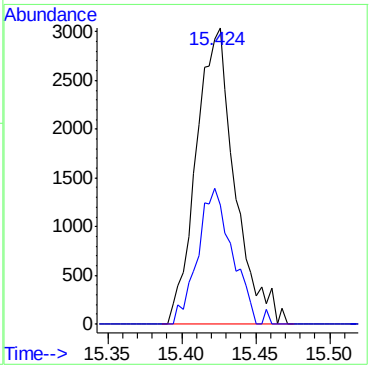




#91
1,2,4-trimethylbenzene
Concen: 1.05 ppb
RT: 15.424 min Scan# 3639
Delta R.T. -0.001 min
Lab File: U16673.D
Acq: 9 Dec 2013 6:05 pm

Tgt Ion:105 Resp: 5516

Ion	Ratio	Lower	Upper
105	100		
120	40.3	15.3	75.3



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U131209\
Data File : U16673.D
Acq On : 9 Dec 2013 6:05 pm
Operator : garyk
Sample : mc26923-5
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U131017W.m
Title : SW-846 Method 8260

Signal : TIC: U16673.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.737	583	610	673	rBV	346191	918602	47.69%	13.246%
2	7.447	1363	1378	1408	rBV3	30539	70660	3.67%	1.019%
3	7.704	1433	1451	1463	rBV2	45873	86431	4.49%	1.246%
4	8.273	1573	1612	1683	rBV	968753	1926130	100.00%	27.775%
5	8.604	1683	1706	1748	rVB3	107710	219911	11.42%	3.171%
6	8.964	1788	1808	1868	rBV	189053	392043	20.35%	5.653%
7	9.839	2018	2056	2118	rVB	260449	508048	26.38%	7.326%
8	11.646	2533	2568	2578	rBV	359092	654063	33.96%	9.432%
9	11.720	2578	2589	2638	rVB2	110820	234077	12.15%	3.375%
10	13.111	2963	2983	3018	rBV	313053	591736	30.72%	8.533%
11	13.506	3068	3095	3143	rVB3	59583	148094	7.69%	2.136%
12	13.926	3193	3214	3243	rVB3	25359	51916	2.70%	0.749%
13	14.342	3308	3332	3373	rBV	251474	484689	25.16%	6.989%
14	15.676	3683	3710	3748	rVB2	348857	648429	33.66%	9.350%

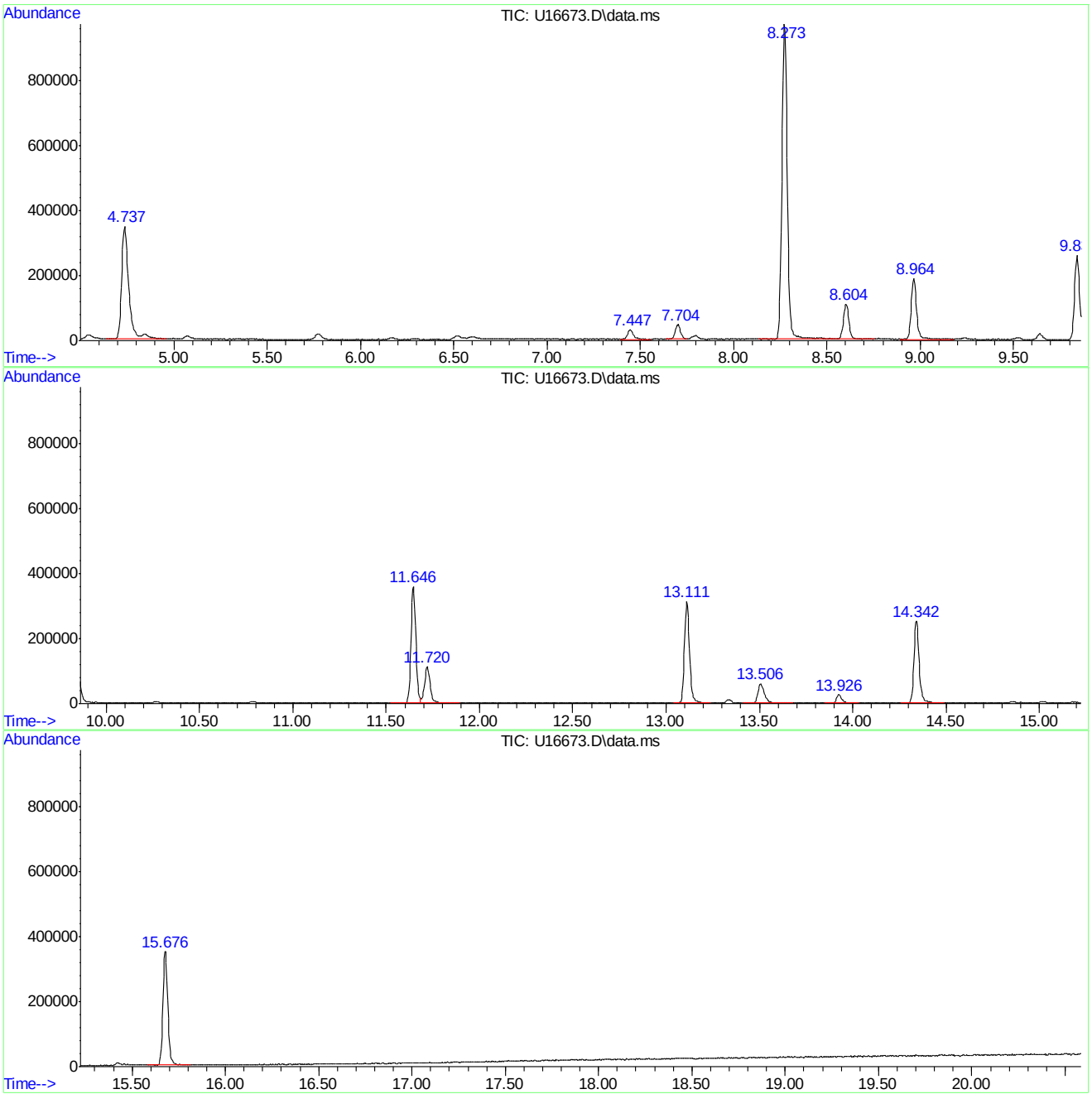
Sum of corrected areas: 6934829

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U131209\
Data File : U16673.D
Acq On : 9 Dec 2013 6:05 pm
Operator : garyk
Sample : mc26923-5
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U131209\
Data File : U16673.D
Acq On : 9 Dec 2013 6:05 pm
Operator : garyk
Sample : mc26923-5
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U131209\
Data File : U16673.D
Acq On : 9 Dec 2013 6:05 pm
Operator : garyk
Sample : mc26923-5
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/10/13 10:40

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16674.D
Acq On : 9 Dec 2013 6:32 pm
Operator : garyk
Sample : mc26923-6
Misc : ms30722,msu797,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 10 08:50:00 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

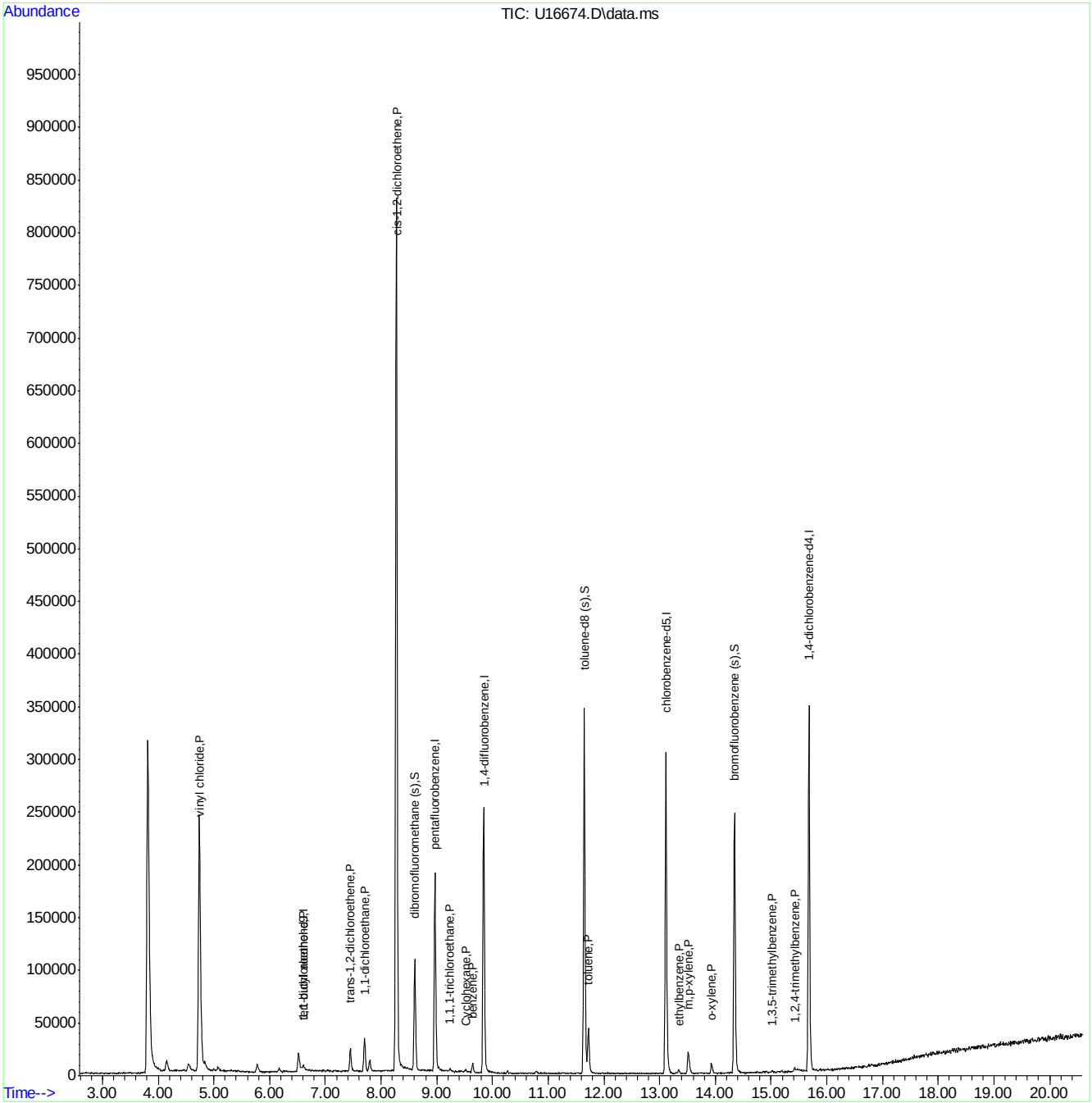
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.610	65	45046m	500.00	ppb		0.06
4) pentafluorobenzene	8.971	168	133460	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.846	114	208346	50.00	ppb		0.00
66) chlorobenzene-d5	13.114	82	105670	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.681	152	103745	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.607	113	65508	63.81	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 127.62%				
60) toluene-d8 (s)	11.650	98	242067	56.35	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.70%				
82) bromofluorobenzene (s)	14.345	95	96898	53.70	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.40%				
Target Compounds							Qvalue
7) vinyl chloride	4.746	62	373937	209.56	ppb		98
15) 1,1-dichloroethene	6.607	96	2323m	2.27	ppb		
22) trans-1,2-dichloroethene	7.450	96	8141	6.83	ppb		92
33) 1,1-dichloroethane	7.703	63	33685	13.37	ppb		99
37) cis-1,2-dichloroethene	8.280	96	336847	249.13	ppb		99
42) 1,1,1-trichloroethane	9.237	97	1652	0.91	ppb		82
44) Cyclohexane	9.525	56	1337	0.52	ppb	#	79
47) benzene	9.646	78	7219	0.46	ppb		91
62) toluene	11.725	92	17315	5.58	ppb		97
74) ethylbenzene	13.343	91	3378	0.56	ppb		78
75) m,p-xylene	13.520	106	9127	3.93	ppb	#	79
76) o-xylene	13.935	106	3604	1.57	ppb	#	77
89) 1,3,5-trimethylbenzene	15.021	105	1213	0.23	ppb		94
91) 1,2,4-trimethylbenzene	15.424	105	2615	0.50	ppb		75

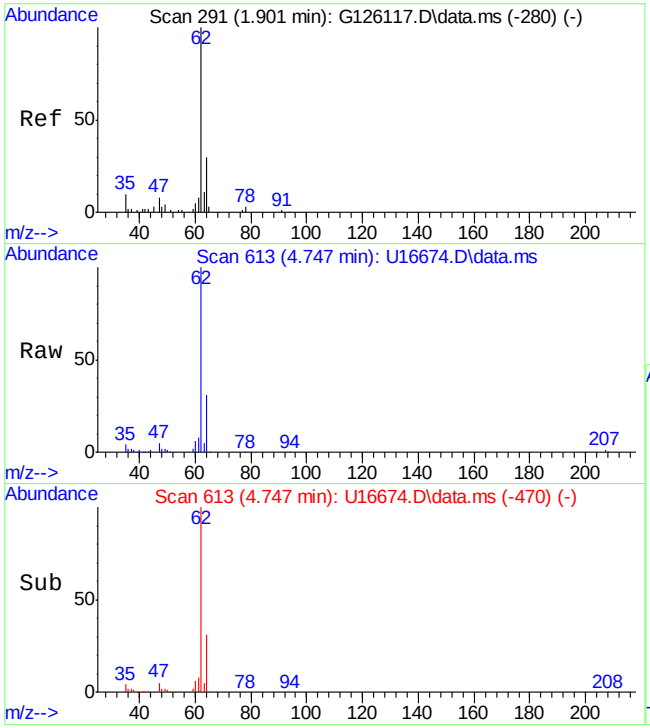
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16674.D
Acq On : 9 Dec 2013 6:32 pm
Operator : garyk
Sample : mc26923-6
Misc : ms30722,msu797,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 10 08:50:00 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

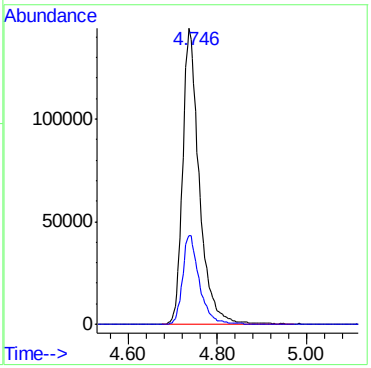


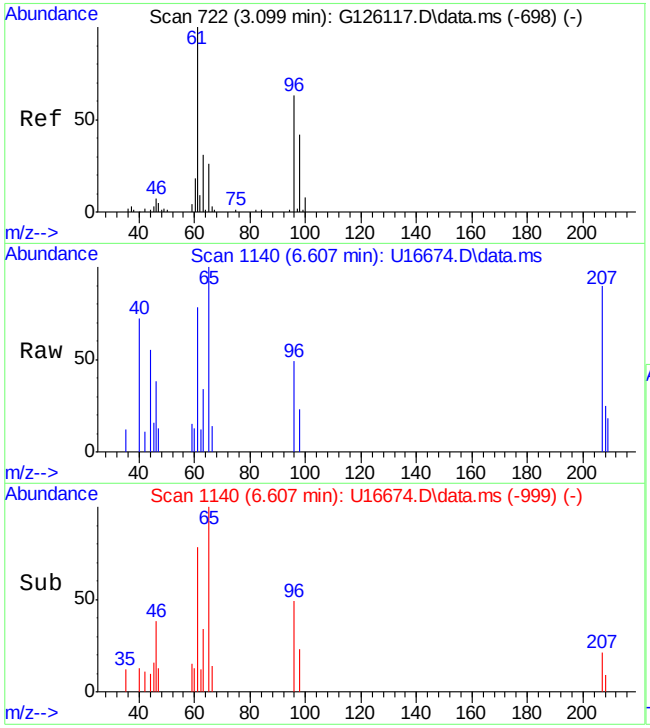


#7
vinyl chloride
Concen: 209.56 ppb
RT: 4.746 min Scan# 613
Delta R.T. 0.003 min
Lab File: U16674.D
Acq: 9 Dec 2013 6:32 pm

Tgt Ion: 62 Resp: 373937

Ion	Ratio	Lower	Upper
62	100		
64	30.7	1.8	61.8

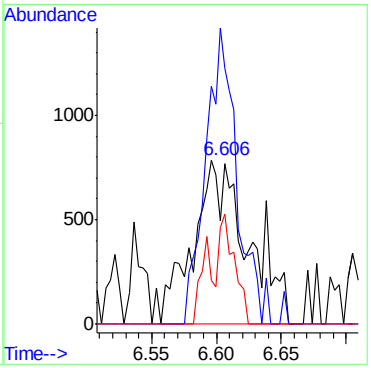


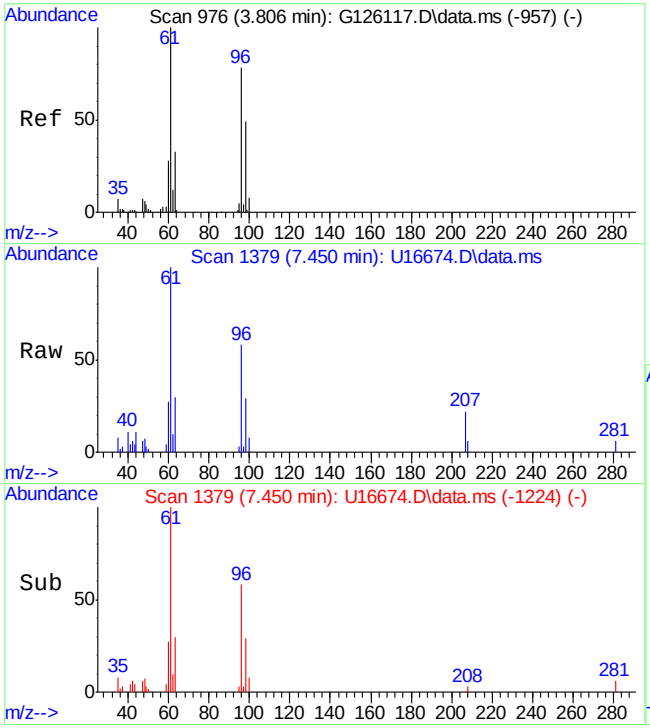


#15
1,1-dichloroethene
Concen: 2.27 ppb m
RT: 6.607 min Scan# 1140
Delta R.T. -0.003 min
Lab File: U16674.D
Acq: 9 Dec 2013 6:32 pm

Tgt Ion: 96 Resp: 2323

Ion	Ratio	Lower	Upper
96	100		
61	159.4	158.7	218.7
63	68.7	27.6	87.6

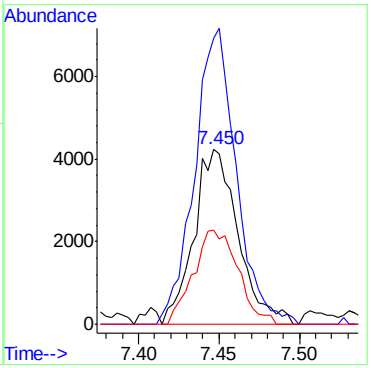


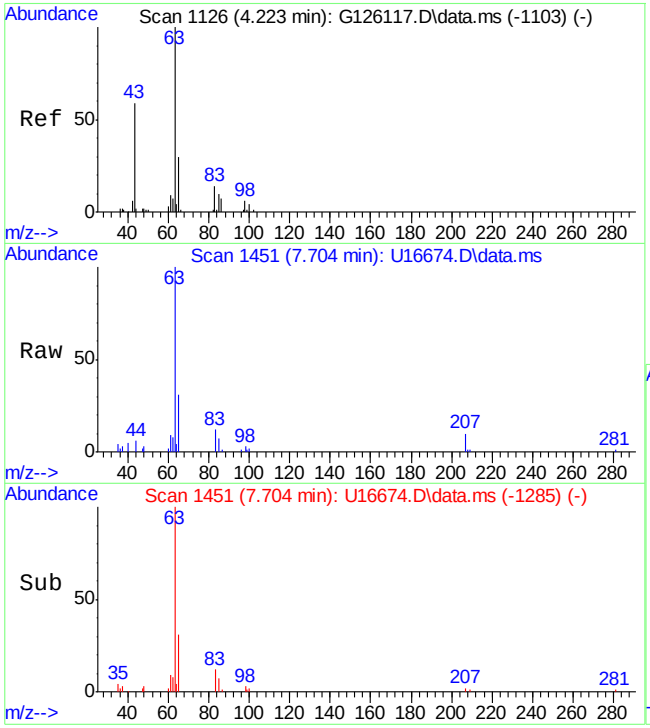


#22
trans-1,2-dichloroethene
Concen: 6.83 ppb
RT: 7.450 min Scan# 1379
Delta R.T. -0.004 min
Lab File: U16674.D
Acq: 9 Dec 2013 6:32 pm

Tgt Ion: 96 Resp: 8141

Ion	Ratio	Lower	Upper
96	100		
61	170.0	145.5	205.5
98	49.9	35.2	95.2

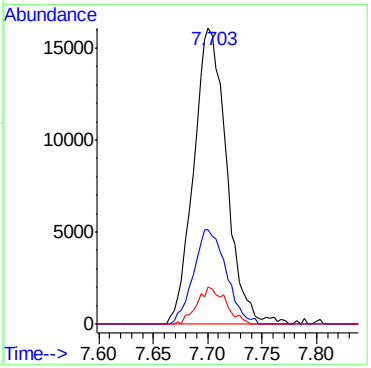


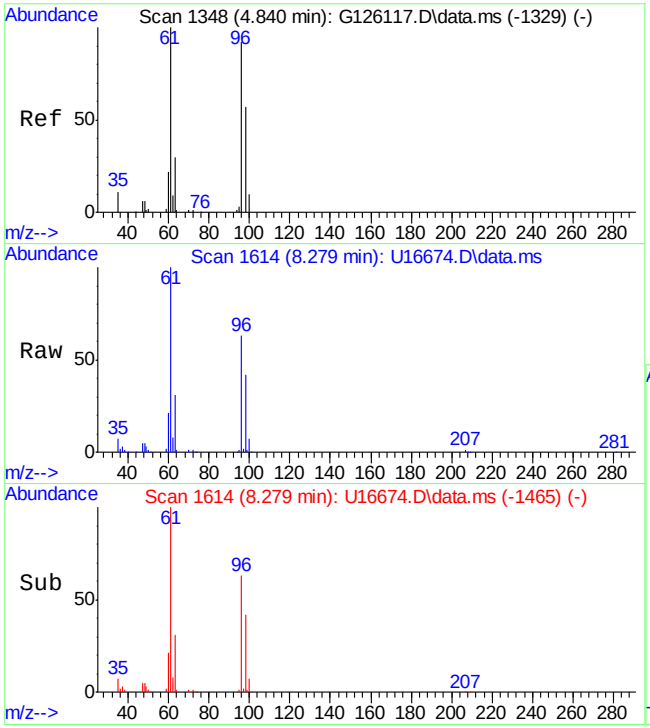


#33
1,1-dichloroethane
Concen: 13.37 ppb
RT: 7.703 min Scan# 1451
Delta R.T. -0.006 min
Lab File: U16674.D
Acq: 9 Dec 2013 6:32 pm

Tgt Ion: 63 Resp: 33685

Ion	Ratio	Lower	Upper
63	100		
65	30.5	0.0	59.7
83	12.3	0.0	41.8

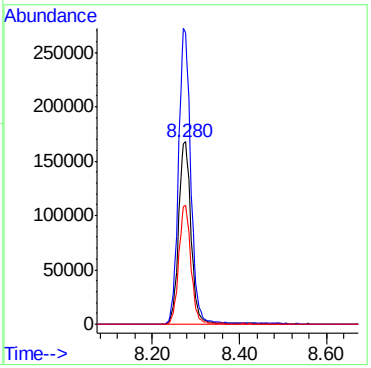


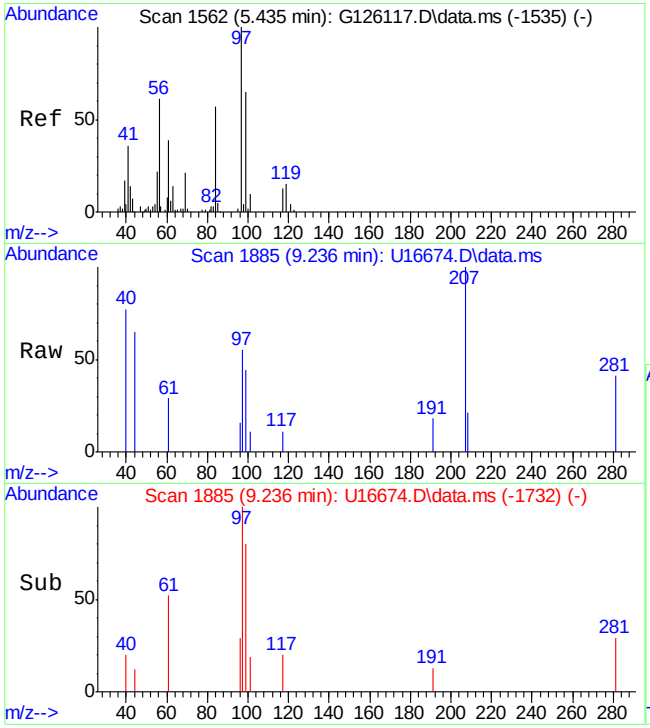


#37
cis-1,2-dichloroethene
Concen: 249.13 ppb
RT: 8.280 min Scan# 1614
Delta R.T. -0.003 min
Lab File: U16674.D
Acq: 9 Dec 2013 6:32 pm

Tgt Ion: 96 Resp: 336847

Ion	Ratio	Lower	Upper
96	100		
61	158.8	126.3	186.3
98	66.2	36.2	96.2

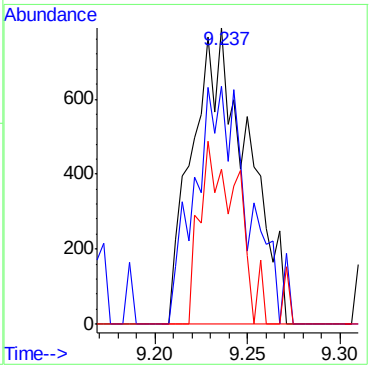


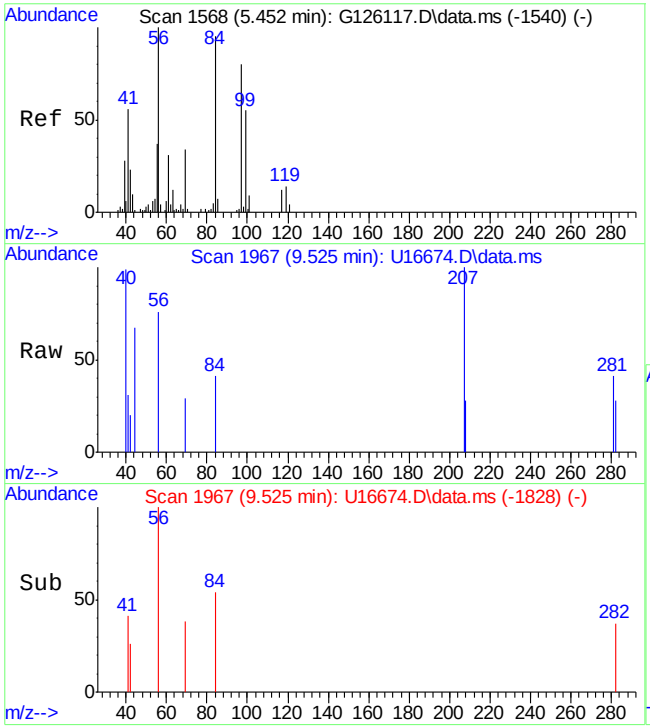


#42
1,1,1-trichloroethane
Concen: 0.91 ppb
RT: 9.237 min Scan# 1885
Delta R.T. -0.008 min
Lab File: U16674.D
Acq: 9 Dec 2013 6:32 pm

Tgt Ion: 97 Resp: 1652

Ion	Ratio	Lower	Upper
97	100		
99	80.4	33.0	93.0
61	52.3	14.2	74.2

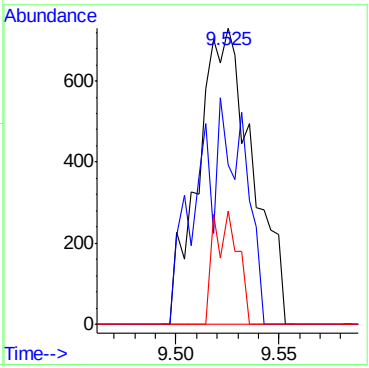


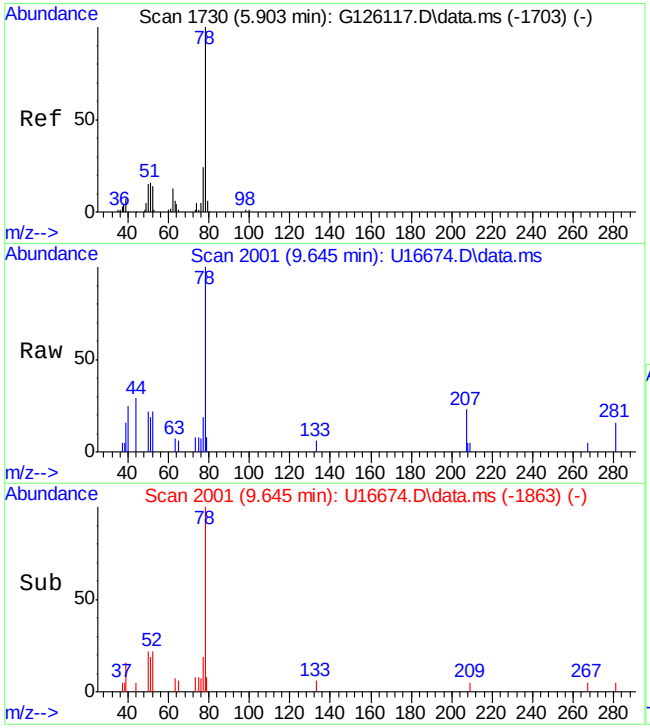


#44
Cyclohexane
Concen: 0.52 ppb
RT: 9.525 min Scan# 1967
Delta R.T. -0.010 min
Lab File: U16674.D
Acq: 9 Dec 2013 6:32 pm

Tgt Ion: 56 Resp: 1337

Ion	Ratio	Lower	Upper
56	100		
84	53.7	54.2	81.2#
69	38.2	18.3	27.5#

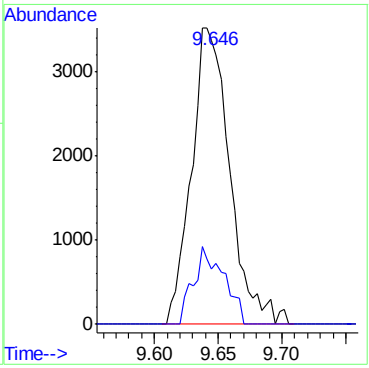


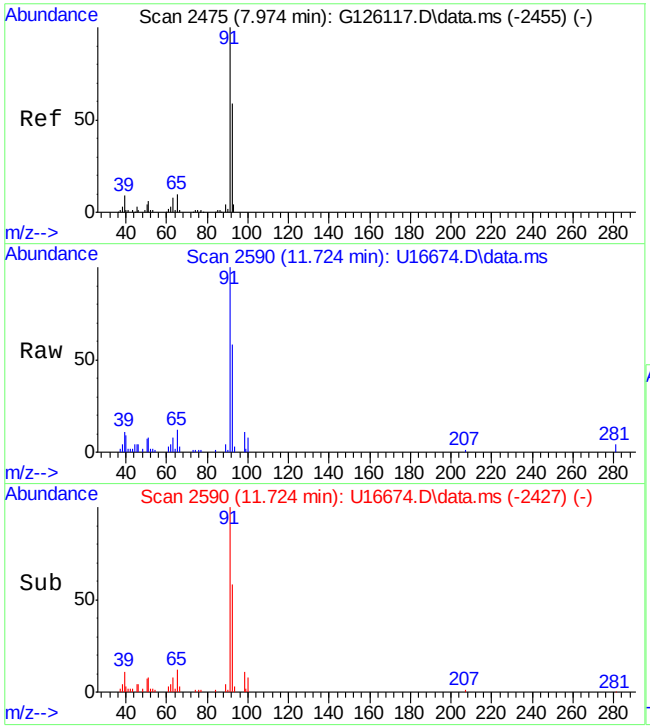


#47
benzene
Concen: 0.46 ppb
RT: 9.646 min Scan# 2001
Delta R.T. -0.002 min
Lab File: U16674.D
Acq: 9 Dec 2013 6:32 pm

Tgt Ion: 78 Resp: 7219

Ion	Ratio	Lower	Upper
78	100		
77	19.4	0.0	53.9

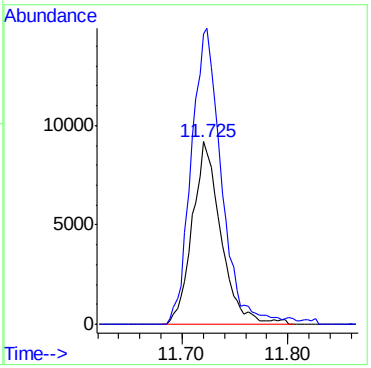


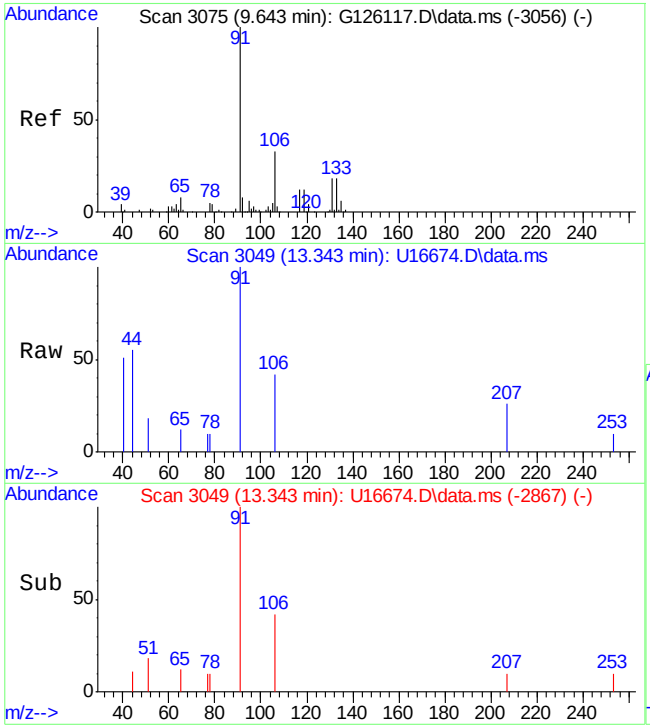


#62
toluene
Concen: 5.58 ppb
RT: 11.725 min Scan# 2590
Delta R.T. -0.003 min
Lab File: U16674.D
Acq: 9 Dec 2013 6:32 pm

Tgt Ion: 92 Resp: 17315

Ion	Ratio	Lower	Upper
92	100		
91	172.8	139.2	199.2

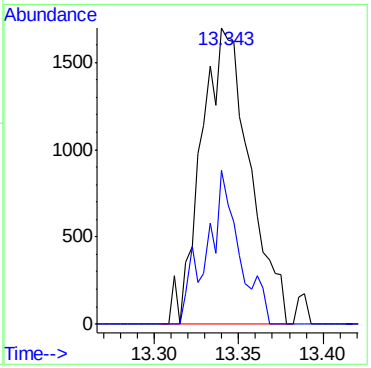


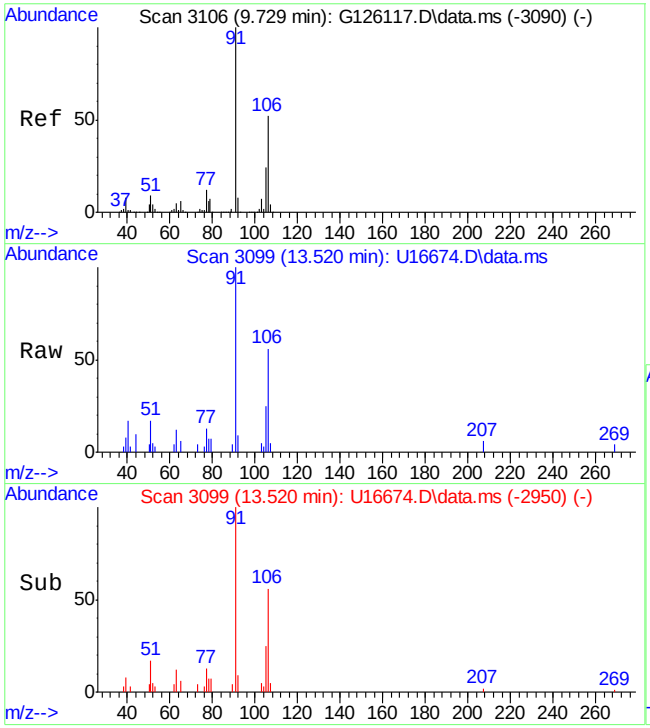


#74
ethylbenzene
Concen: 0.56 ppb
RT: 13.343 min Scan# 3049
Delta R.T. 0.013 min
Lab File: U16674.D
Acq: 9 Dec 2013 6:32 pm

Tgt Ion: 91 Resp: 3378

Ion	Ratio	Lower	Upper
91	100		
106	41.8	0.1	60.1

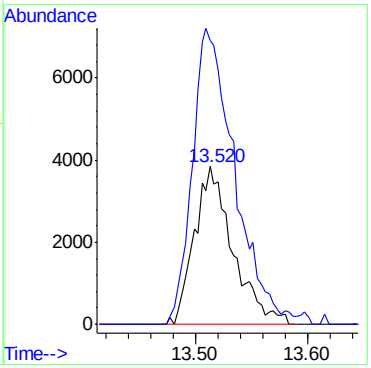


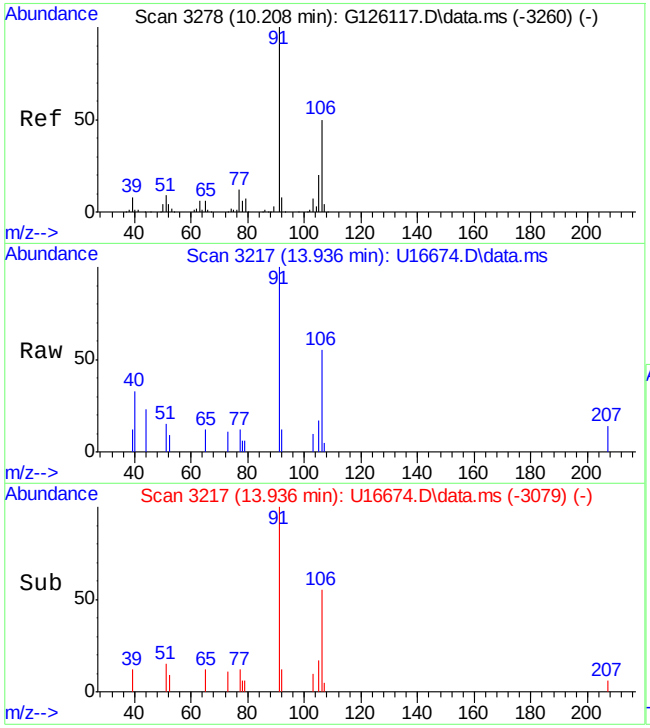


#75
m,p-xylene
Concen: 3.93 ppb
RT: 13.520 min Scan# 3099
Delta R.T. 0.006 min
Lab File: U16674.D
Acq: 9 Dec 2013 6:32 pm

Tgt Ion:106 Resp: 9127

Ion	Ratio	Lower	Upper
106	100		
91	178.4	180.7	240.7#

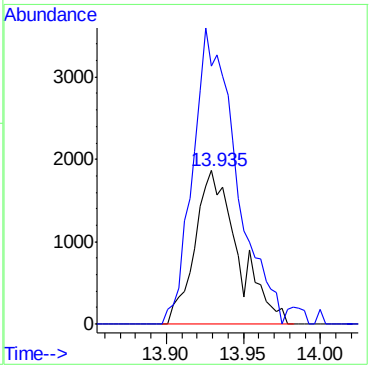


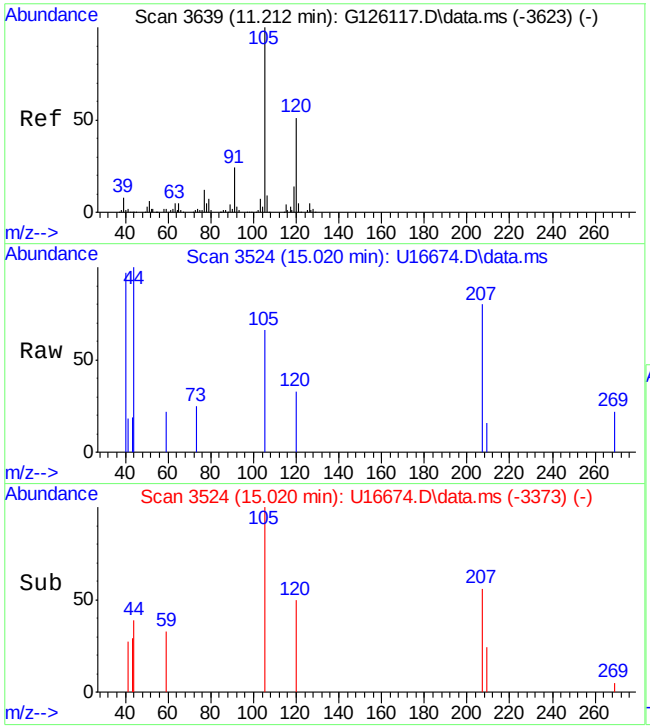


#76
o-xylene
Concen: 1.57 ppb
RT: 13.935 min Scan# 3217
Delta R.T. 0.007 min
Lab File: U16674.D
Acq: 9 Dec 2013 6:32 pm

Tgt Ion:106 Resp: 3604

Ion	Ratio	Lower	Upper
106	100		
91	181.5	188.5	248.5#

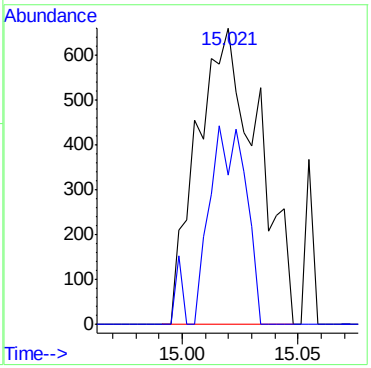


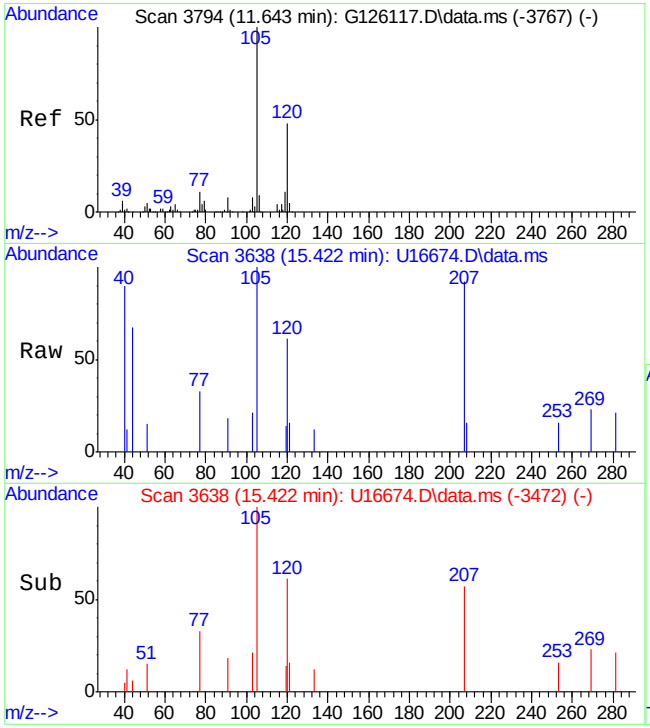


#89
1,3,5-trimethylbenzene
Concen: 0.23 ppb
RT: 15.021 min Scan# 3524
Delta R.T. 0.005 min
Lab File: U16674.D
Acq: 9 Dec 2013 6:32 pm

Tgt Ion:105 Resp: 1213

Ion	Ratio	Lower	Upper
105	100		
120	50.4	16.1	76.1

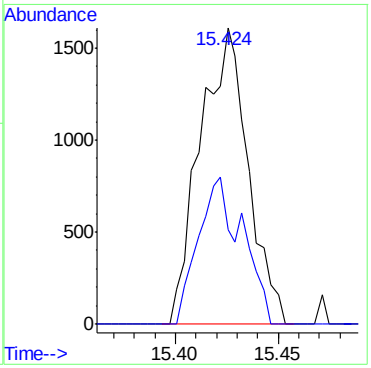




#91
1,2,4-trimethylbenzene
Concen: 0.50 ppb
RT: 15.424 min Scan# 3638
Delta R.T. -0.001 min
Lab File: U16674.D
Acq: 9 Dec 2013 6:32 pm

Tgt Ion:105 Resp: 2615

Ion	Ratio	Lower	Upper
105	100		
120	61.5	15.3	75.3



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U131209\
Data File : U16674.D
Acq On : 9 Dec 2013 6:32 pm
Operator : garyk
Sample : mc26923-6
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U131017W.m
Title : SW-846 Method 8260

Signal : TIC: U16674.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.736	584	610	669	rVB	243464	656634	39.59%	10.867%
2	6.518	1084	1115	1129	rBV2	18950	53640	3.23%	0.888%
3	7.701	1424	1450	1464	rBV	31800	67605	4.08%	1.119%
4	8.272	1569	1612	1684	rBV	828962	1658429	100.00%	27.445%
5	8.604	1684	1706	1734	rVB2	105607	211810	12.77%	3.505%
6	8.964	1779	1808	1854	rBV	188742	375344	22.63%	6.212%
7	9.839	2034	2056	2094	rBV	251792	495522	29.88%	8.200%
8	11.646	2544	2568	2584	rBV2	346888	655683	39.54%	10.851%
9	11.720	2584	2589	2639	rVB	43243	85034	5.13%	1.407%
10	13.110	2964	2983	3019	rBV	305072	586200	35.35%	9.701%
11	13.513	3064	3097	3129	rVB3	21261	57548	3.47%	0.952%
12	14.342	3304	3332	3369	rBV	247799	481646	29.04%	7.971%
13	15.680	3689	3711	3759	rBV	347500	657603	39.65%	10.883%

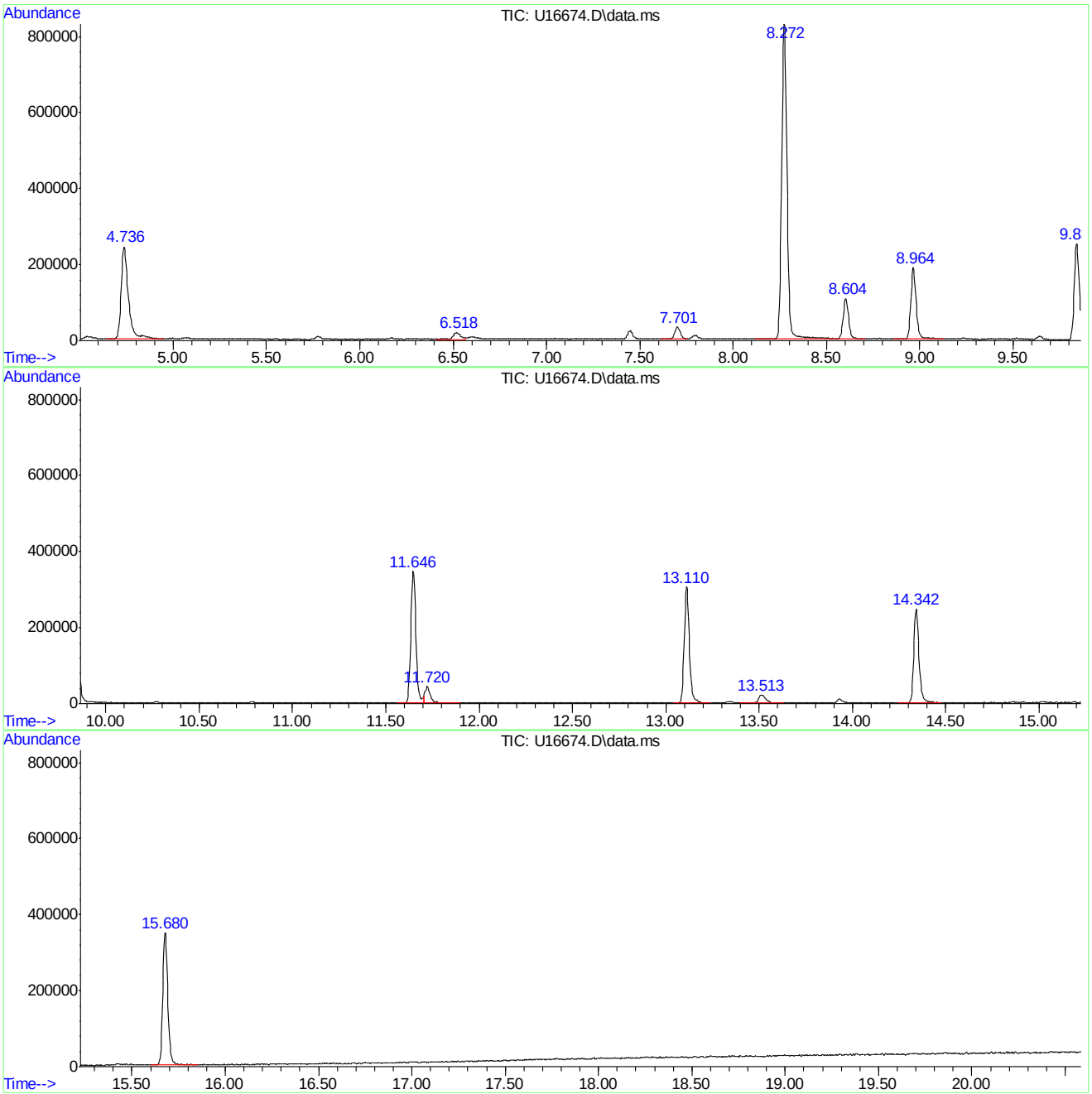
Sum of corrected areas: 6042698

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U131209\
Data File : U16674.D
Acq On : 9 Dec 2013 6:32 pm
Operator : garyk
Sample : mc26923-6
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U131209\
Data File : U16674.D
Acq On : 9 Dec 2013 6:32 pm
Operator : garyk
Sample : mc26923-6
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U131209\
Data File : U16674.D
Acq On : 9 Dec 2013 6:32 pm
Operator : garyk
Sample : mc26923-6
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/10/13 10:40

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16675.D
Acq On : 9 Dec 2013 6:59 pm
Operator : garyk
Sample : mc26923-7
Misc : ms30722,msu797,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 10 08:51:19 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

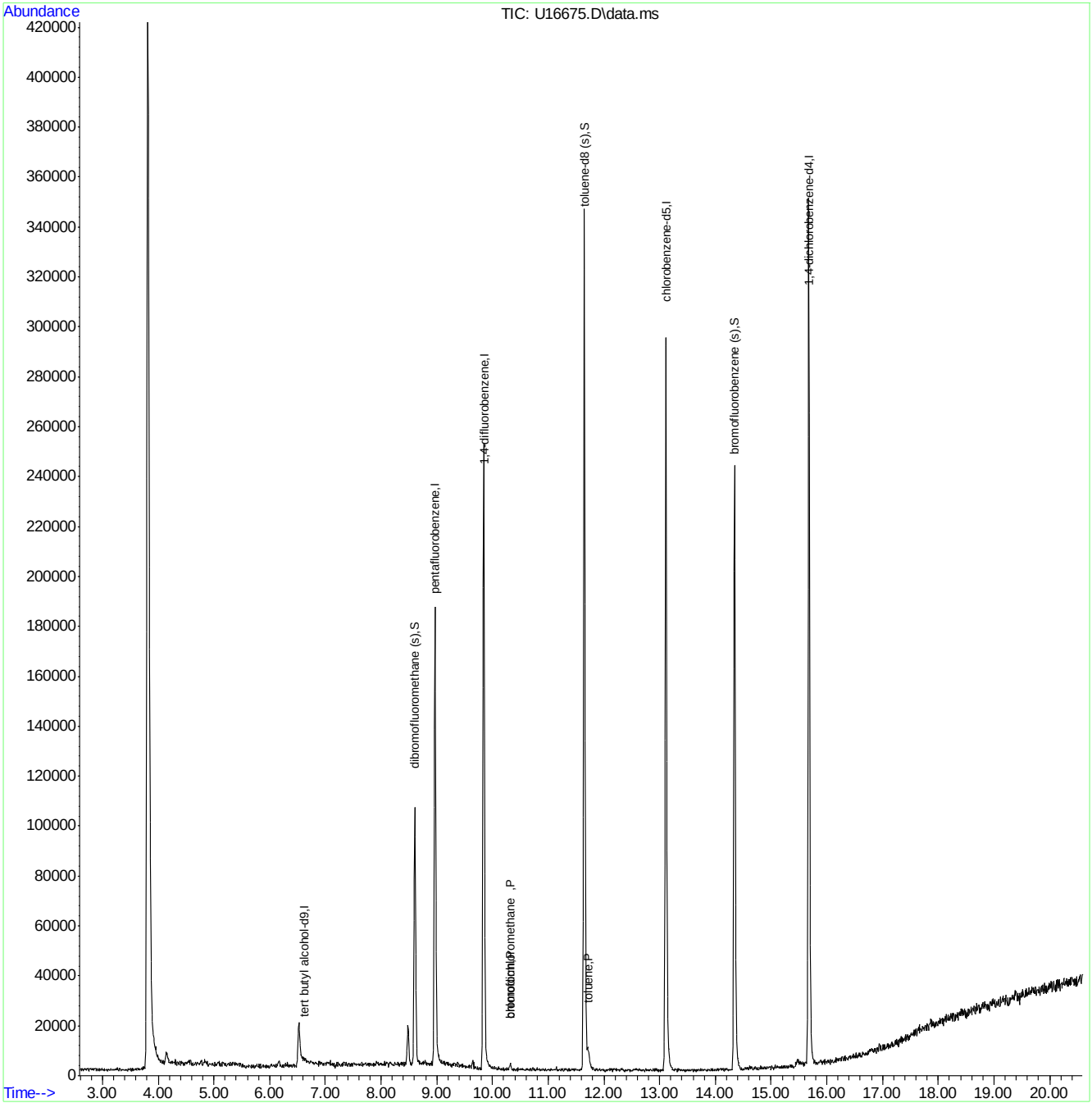
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.624	65	44410m	500.00	ppb	0.07
4) pentafluorobenzene	8.973	168	133739	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.847	114	204267	50.00	ppb	0.00
66) chlorobenzene-d5	13.115	82	100864	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.681	152	101131	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.607	113	63828	62.05	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 124.10%			
60) toluene-d8 (s)	11.651	98	239514	56.87	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 113.74%			
82) bromofluorobenzene (s)	14.346	95	92557	52.62	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.24%			
Target Compounds						Qvalue
39) chloroform	10.323	83	2007	1.10	ppb	73
54) bromodichloromethane	10.323	83	2007	1.17	ppb	73
62) toluene	11.725	92	1969	0.65	ppb	92

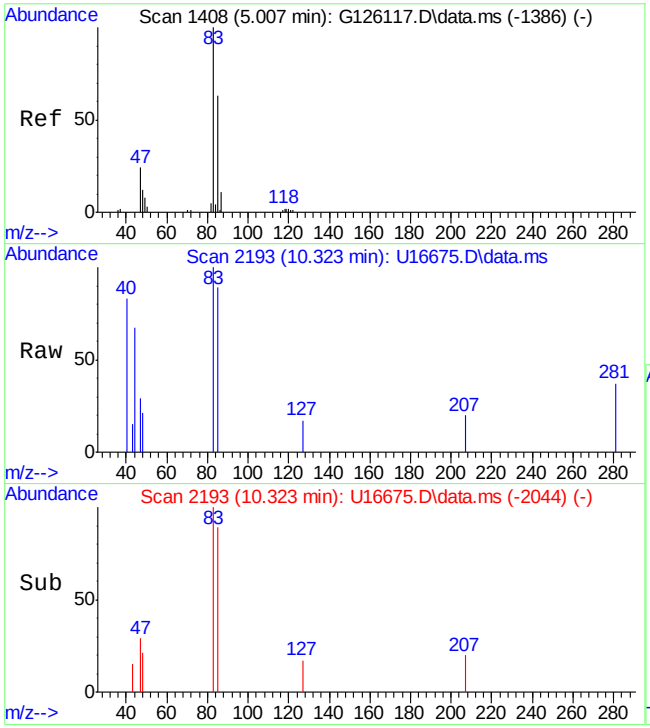
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16675.D
Acq On : 9 Dec 2013 6:59 pm
Operator : garyk
Sample : mc26923-7
Misc : ms30722,msu797,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 10 08:51:19 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

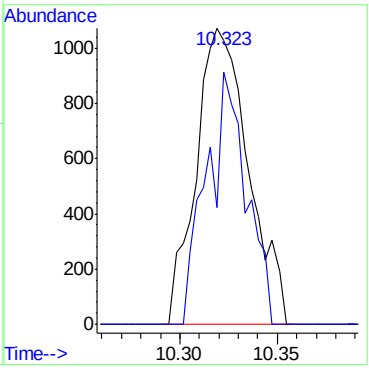


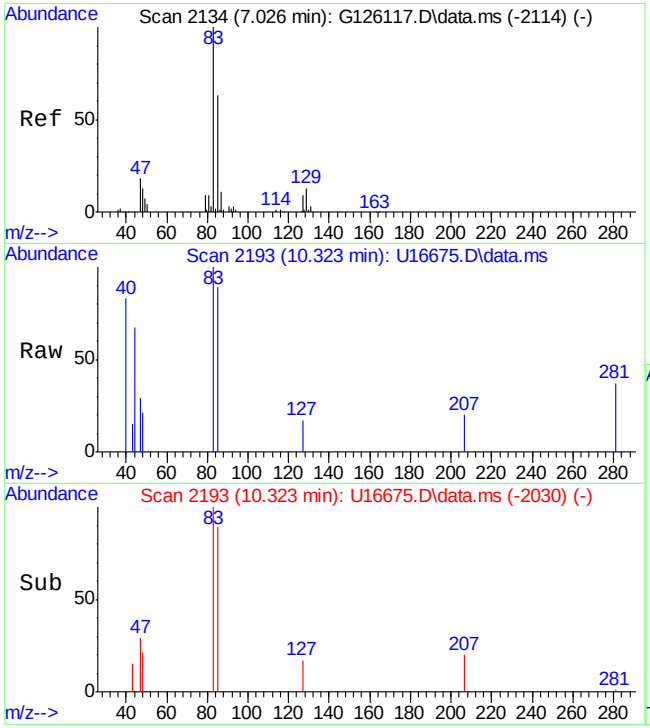


#39
chloroform
Concen: 1.10 ppb
RT: 10.323 min Scan# 2193
Delta R.T. -0.003 min
Lab File: U16675.D
Acq: 9 Dec 2013 6:59 pm

Tgt Ion: 83 Resp: 2007

Ion	Ratio	Lower	Upper
83	100		
85	88.9	36.9	96.9

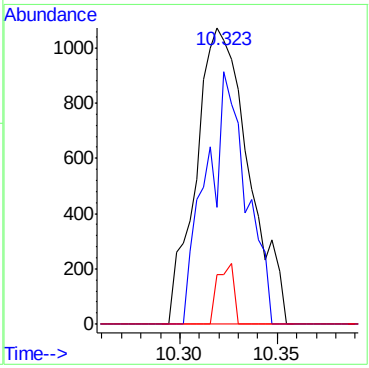


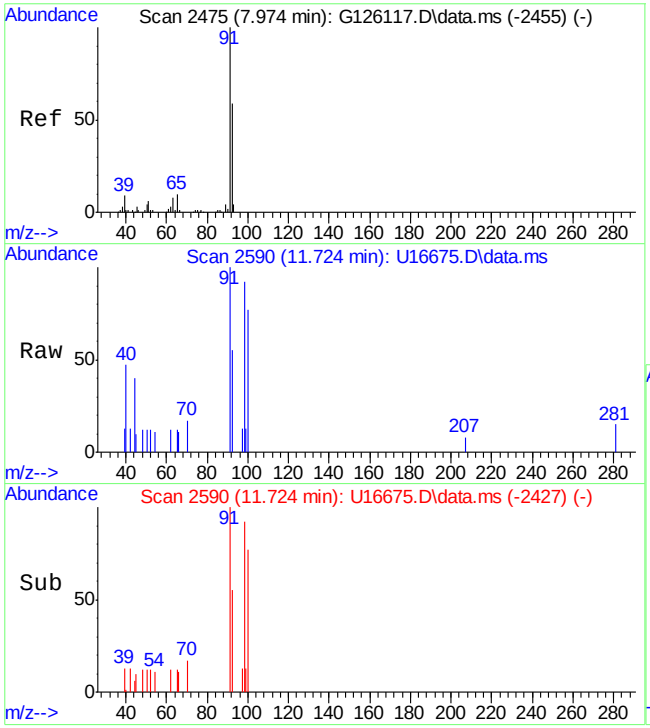


#54
bromodichloromethane
Concen: 1.17 ppb
RT: 10.323 min Scan# 2193
Delta R.T. -0.003 min
Lab File: U16675.D
Acq: 9 Dec 2013 6:59 pm

Tgt Ion: 83 Resp: 2007

Ion	Ratio	Lower	Upper
83	100		
85	88.9	36.9	96.9
127	17.3	0.0	38.5

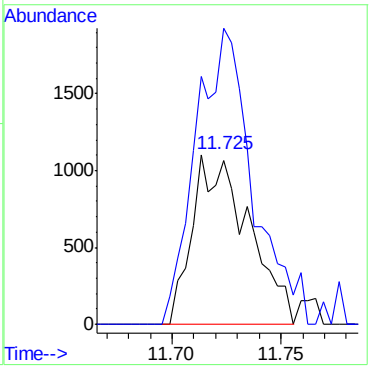




#62
toluene
Concen: 0.65 ppb
RT: 11.725 min Scan# 2590
Delta R.T. -0.003 min
Lab File: U16675.D
Acq: 9 Dec 2013 6:59 pm

Tgt Ion: 92 Resp: 1969

Ion	Ratio	Lower	Upper
92	100		
91	180.7	139.2	199.2



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U131209\
Data File : U16675.D
Acq On : 9 Dec 2013 6:59 pm
Operator : garyk
Sample : mc26923-7
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U131017W.m
Title : SW-846 Method 8260

Signal : TIC: U16675.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.522	1093	1116	1218	rBV3	17811	85914	12.83%	2.457%
2	8.604	1688	1706	1738	rVB	102589	206863	30.88%	5.916%
3	8.968	1778	1809	1853	rVB	183395	364677	54.44%	10.430%
4	9.839	2038	2056	2098	rBV	250957	492381	73.51%	14.082%
5	11.646	2548	2568	2623	rBV	345238	669858	100.00%	19.158%
6	13.111	2953	2983	3033	rBV2	294099	583005	87.03%	16.674%
7	14.342	3313	3332	3373	rVB	242088	462263	69.01%	13.221%
8	15.676	3678	3710	3758	rBV	346892	631585	94.29%	18.063%

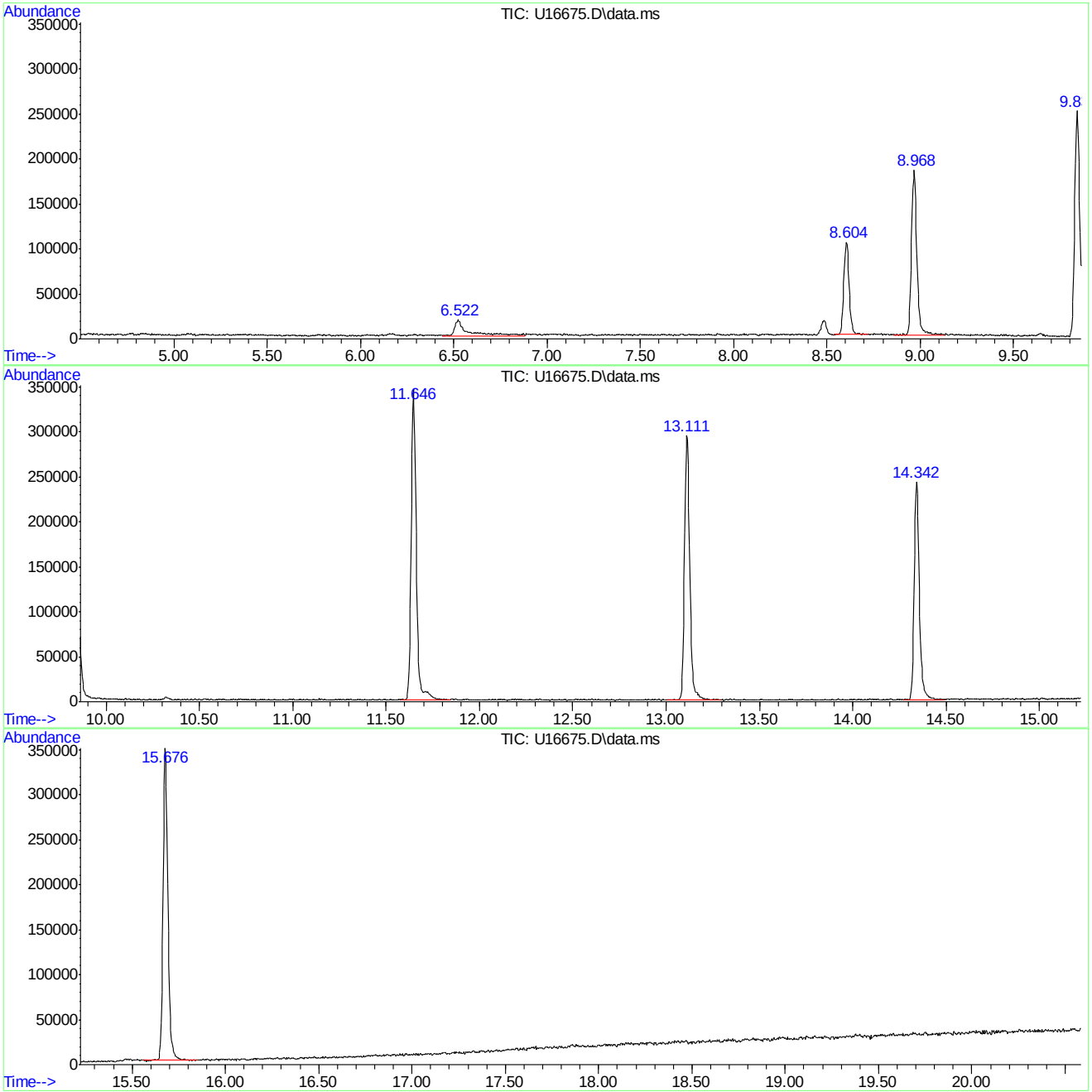
Sum of corrected areas: 3496546

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U131209\
Data File : U16675.D
Acq On : 9 Dec 2013 6:59 pm
Operator : garyk
Sample : mc26923-7
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U131209\
Data File : U16675.D
Acq On : 9 Dec 2013 6:59 pm
Operator : garyk
Sample : mc26923-7
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U131209\
Data File : U16675.D
Acq On : 9 Dec 2013 6:59 pm
Operator : garyk
Sample : mc26923-7
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62168.D
Acq On : 14 Dec 2013 3:38 am
Operator : krystend
Sample : mc26923-9
Misc : MS30779,MSM2172,4.685,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Dec 16 09:15:52 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

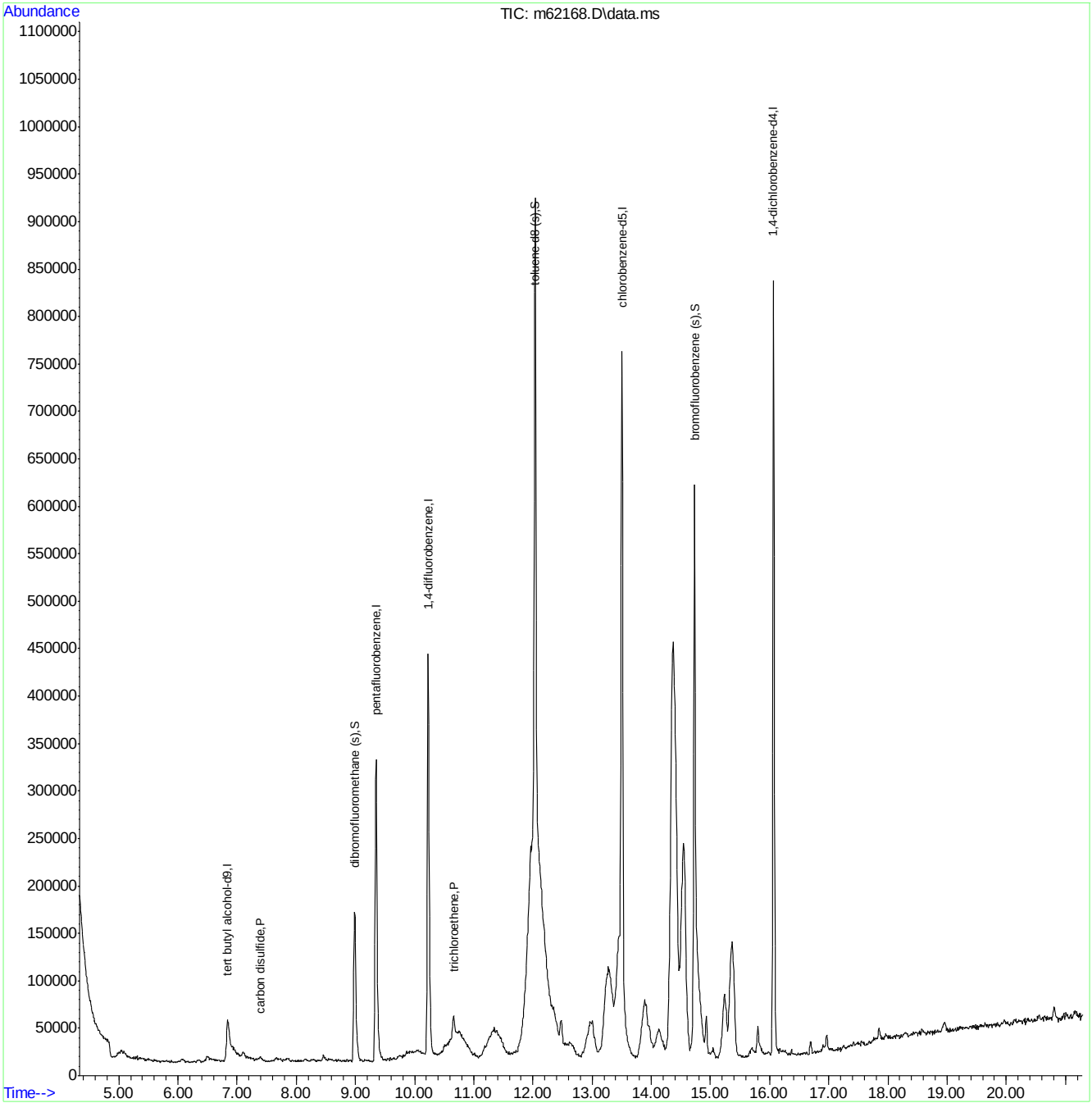
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	165827	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	288822	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	463367	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	202159	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	258735	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	137527	53.32	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.64%			
59) toluene-d8 (s)	12.037	98	508505	49.25	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.50%			
81) bromofluorobenzene (s)	14.731	95	213426	52.82	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.64%			
Target Compounds						Qvalue
24) carbon disulfide	7.388	76	11507	1.49	ug/kg	83
50) trichloroethene	10.662	95	7933	2.24	ug/kg	84

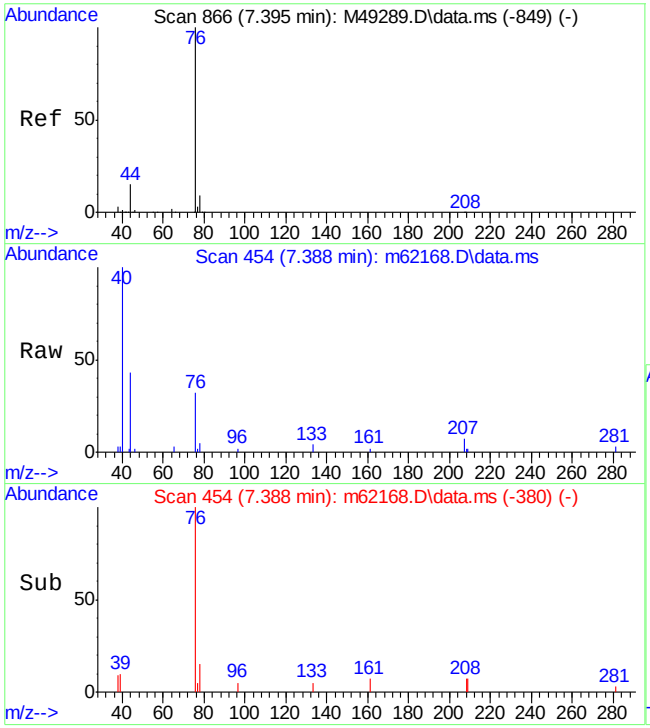
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62168.D
Acq On : 14 Dec 2013 3:38 am
Operator : krystend
Sample : mc26923-9
Misc : MS30779,MSM2172,4.685,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Dec 16 09:15:52 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

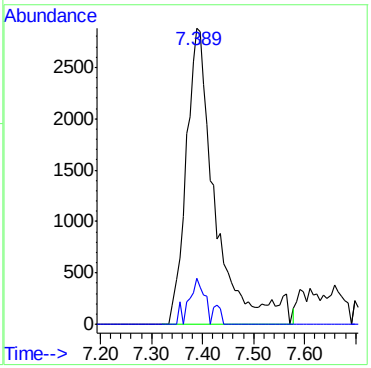


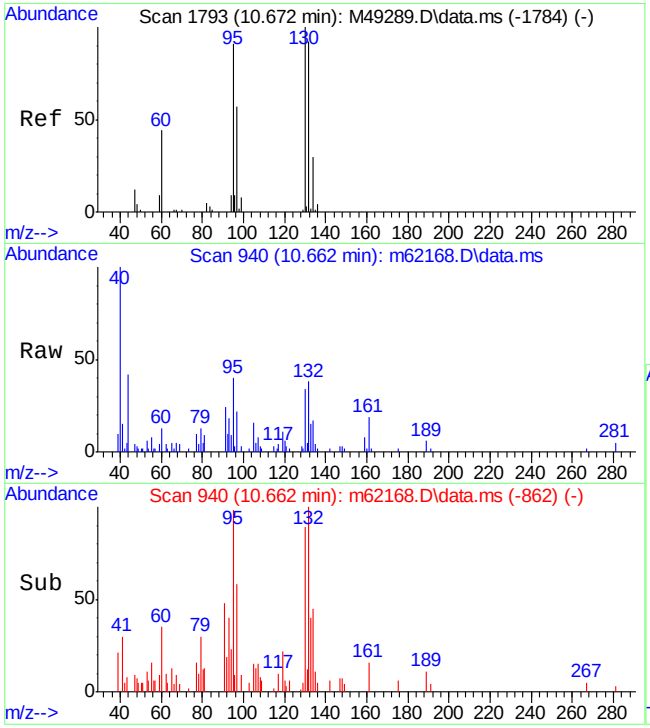


#24
carbon disulfide
Concen: 1.49 ug/kg
RT: 7.388 min Scan# 454
Delta R.T. 0.000 min
Lab File: m62168.D
Acq: 14 Dec 2013 3:38 am

Tgt Ion: 76 Resp: 11507

Ion	Ratio	Lower	Upper
76	100		
78	15.5	0.0	39.2

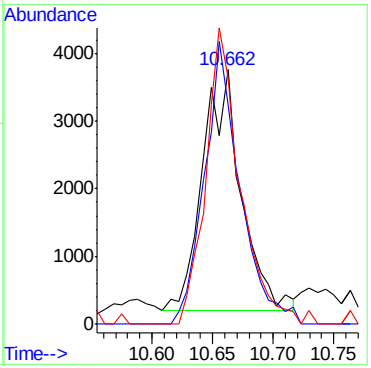




#50
trichloroethene
Concen: 2.24 ug/kg
RT: 10.662 min Scan# 940
Delta R.T. 0.006 min
Lab File: m62168.D
Acq: 14 Dec 2013 3:38 am

Tgt Ion: 95 Resp: 7933

Ion	Ratio	Lower	Upper
95	100		
130	90.9	88.4	148.4
132	101.9	77.7	137.7



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62168.D
Acq On : 14 Dec 2013 3:38 am
Operator : krystend
Sample : mc26923-9
Misc : MS30779,MSM2172,4.685,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131211S.M
Title : SW-846 Method 8260

Signal : TIC: m62168.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.772	203	214	215	rBV4	1860	6404	0.10%	0.029%
2	5.812	215	220	227	rVB4	2442	7711	0.12%	0.035%
3	6.088	243	261	267	rVB6	4042	22194	0.35%	0.099%
4	6.351	293	300	311	rBV6	2632	10115	0.16%	0.045%
5	6.486	311	320	363	rBV6	6145	49878	0.78%	0.223%
6	6.836	363	372	407	rBV2	44130	277767	4.32%	1.244%
7	7.665	485	495	519	rBV8	3970	22710	0.35%	0.102%
8	8.460	607	613	623	rBV4	6272	16705	0.26%	0.075%
9	8.985	683	691	713	rBV	158121	433588	6.75%	1.942%
10	9.153	713	716	735	rVB8	2303	9789	0.15%	0.044%
11	9.349	735	745	779	rBV	318285	784080	12.20%	3.513%
12	10.056	817	850	865	rBV	6627	83117	1.29%	0.372%
13	10.231	865	876	933	rVV	422648	1057998	16.46%	4.740%
14	10.656	933	939	1009	rVB	40299	366682	5.70%	1.643%
15	11.350	1011	1042	1101	rBV	28334	381272	5.93%	1.708%
16	12.037	1101	1144	1259	rVB2	905465	6427692	100.00%	28.795%
17	13.000	1259	1287	1307	rBV9	38225	342778	5.33%	1.536%
18	13.276	1307	1328	1345	rBV10	87145	796277	12.39%	3.567%
19	13.505	1347	1362	1399	rVB	742511	2178719	33.90%	9.760%
20	13.889	1399	1419	1443	rBV10	60042	490265	7.63%	2.196%
21	14.374	1471	1491	1507	rBV4	428172	2869511	44.64%	12.855%
22	14.549	1507	1517	1533	rVB4	216067	1145554	17.82%	5.132%
23	14.731	1533	1544	1569	rBV	593279	1636755	25.46%	7.333%
24	14.933	1569	1574	1603	rVB	44413	151120	2.35%	0.677%
25	15.236	1603	1619	1627	rBV4	67284	327873	5.10%	1.469%
26	15.371	1627	1639	1679	rVB5	121372	651850	10.14%	2.920%
27	15.708	1679	1689	1695	rBV5	9730	39954	0.62%	0.179%
28	15.802	1695	1703	1735	rVB6	29579	95646	1.49%	0.428%
29	16.065	1735	1742	1831	rVB	815975	1553500	24.17%	6.960%
30	16.691	1831	1835	1871	rBV8	14250	84403	1.31%	0.378%

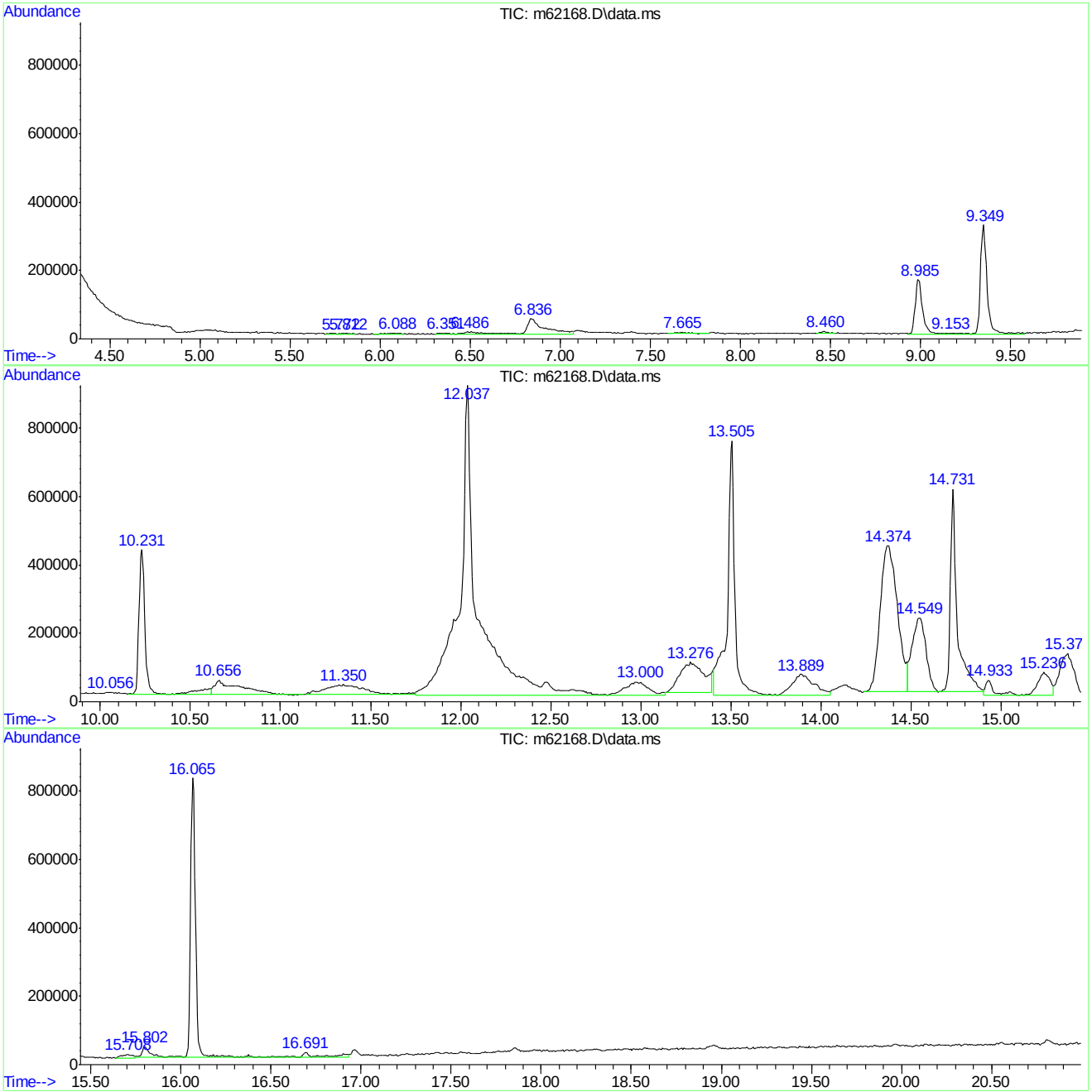
Sum of corrected areas: 22321907

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62168.D
Acq On : 14 Dec 2013 3:38 am
Operator : krystend
Sample : mc26923-9
Misc : MS30779,MSM2172,4.685,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



ACCUTEST LABORATORIES MC26923

Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62168.D
Acq On : 14 Dec 2013 3:38 am
Operator : krystend
Sample : mc26923-9
Misc : MS30779,MSM2172,4.685,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

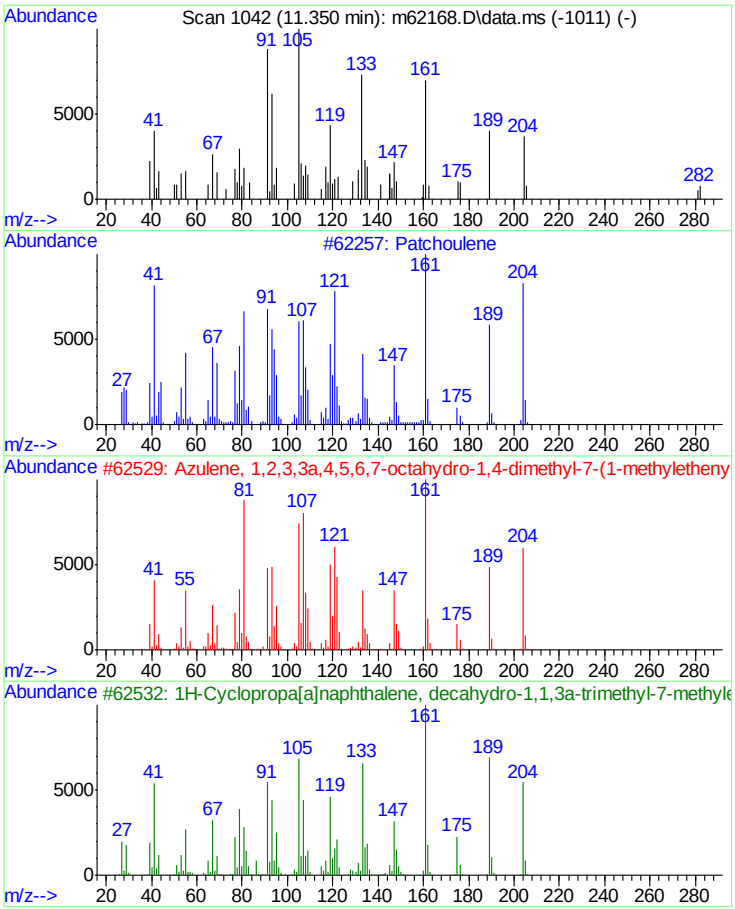
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

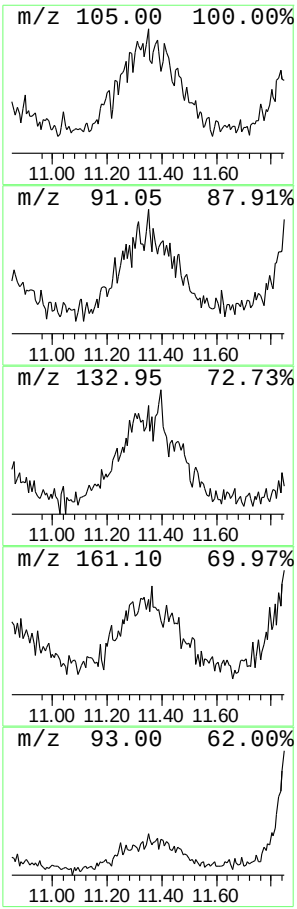
****

Peak Number 2 Patchoulene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.350	18.02 ug/kg	381272	1,4-difluorobenzene	10.231

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Patchoulene	204	C15H24	001405-16-9	83
2	Azulene, 1,2,3,3a,4,5,6,7-octahy...	204	C15H24	022567-17-5	70
3	1H-Cyclopropa[a]naphthalene, dec...	204	C15H24	020071-49-2	70
4	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	010219-75-7	58
5	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	58





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62168.D
Acq On : 14 Dec 2013 3:38 am
Operator : krystend
Sample : mc26923-9
Misc : MS30779,MSM2172,4.685,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

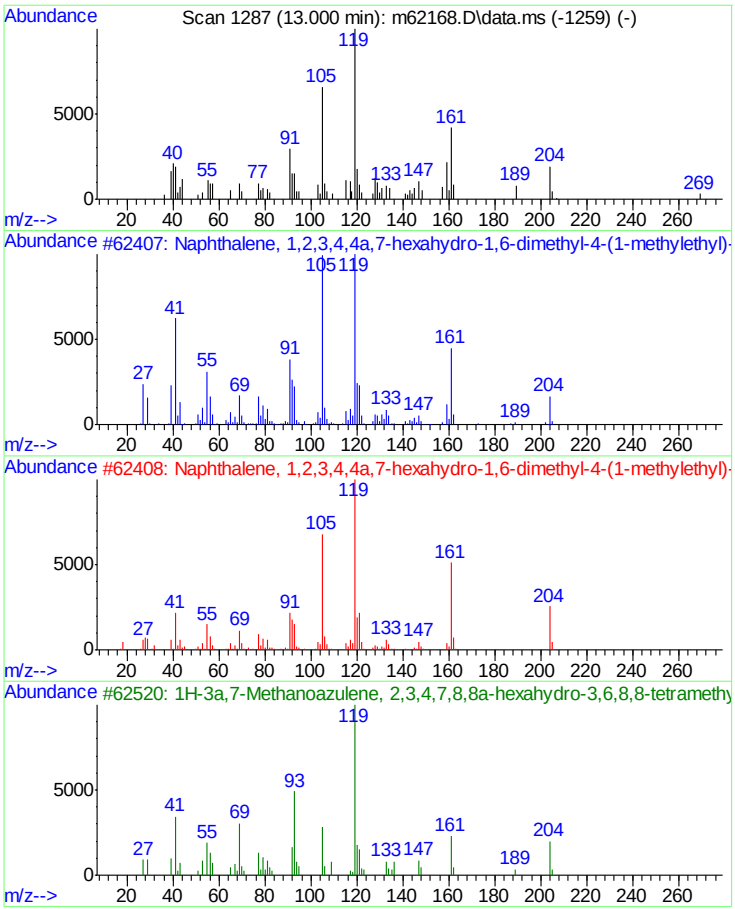
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

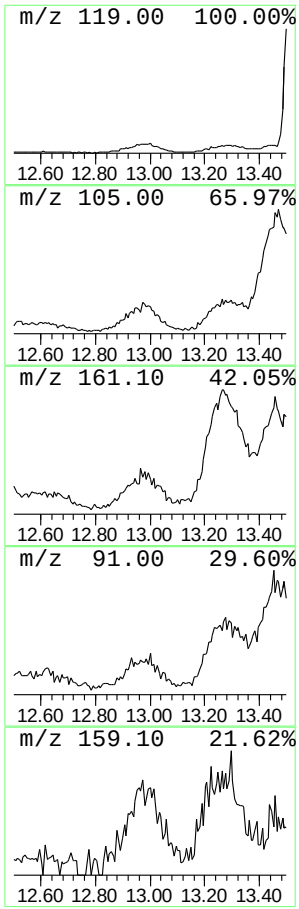
****

Peak Number 3 Naphthalene, 1,2,3,4,4a,7-h... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.000	7.87 ug/kg	342778	chlorobenzene-d5	13.505

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4,4a,7-hexahy...	204	C15H24	016728-99-7	93
2	Naphthalene, 1,2,3,4,4a,7-hexahy...	204	C15H24	016728-99-7	93
3	1H-3a,7-Methanoazulene, 2,3,4,7,...	204	C15H24	000469-61-4	64
4	1H-3a,7-Methanoazulene, 2,3,4,7,...	204	C15H24	000469-61-4	60
5	1H-3a,7-Methanoazulene, 2,3,4,7,...	204	C15H24	000469-61-4	53





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62168.D
Acq On : 14 Dec 2013 3:38 am
Operator : krystend
Sample : mc26923-9
Misc : MS30779,MSM2172,4.685,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

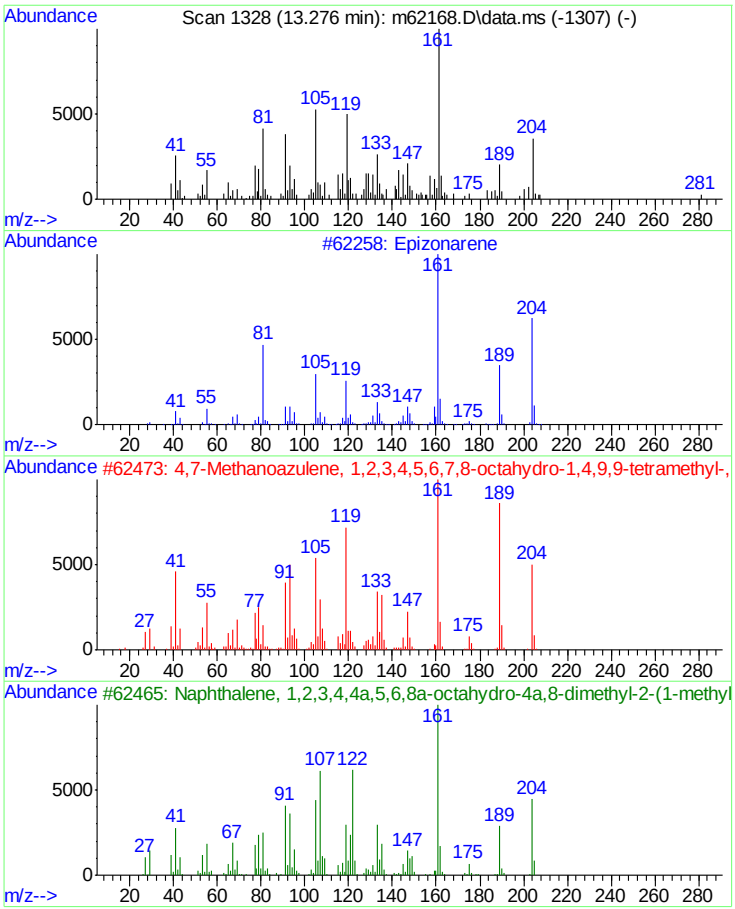
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

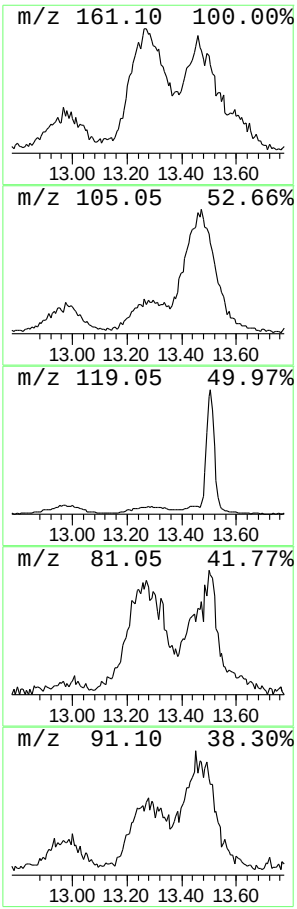
****

Peak Number 4 Epizonarene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.276	18.27 ug/kg	796277	chlorobenzene-d5	13.505

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Epizonarene	204	C15H24	041702-63-0	91
2	4,7-Methanoazulene, 1,2,3,4,5,6,...	204	C15H24	000514-51-2	90
3	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	006813-21-4	89
4	Cyclohexene, 6-ethenyl-6-methyl-...	204	C15H24	005951-67-7	81
5	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	76





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62168.D
Acq On : 14 Dec 2013 3:38 am
Operator : krystend
Sample : mc26923-9
Misc : MS30779,MSM2172,4.685,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

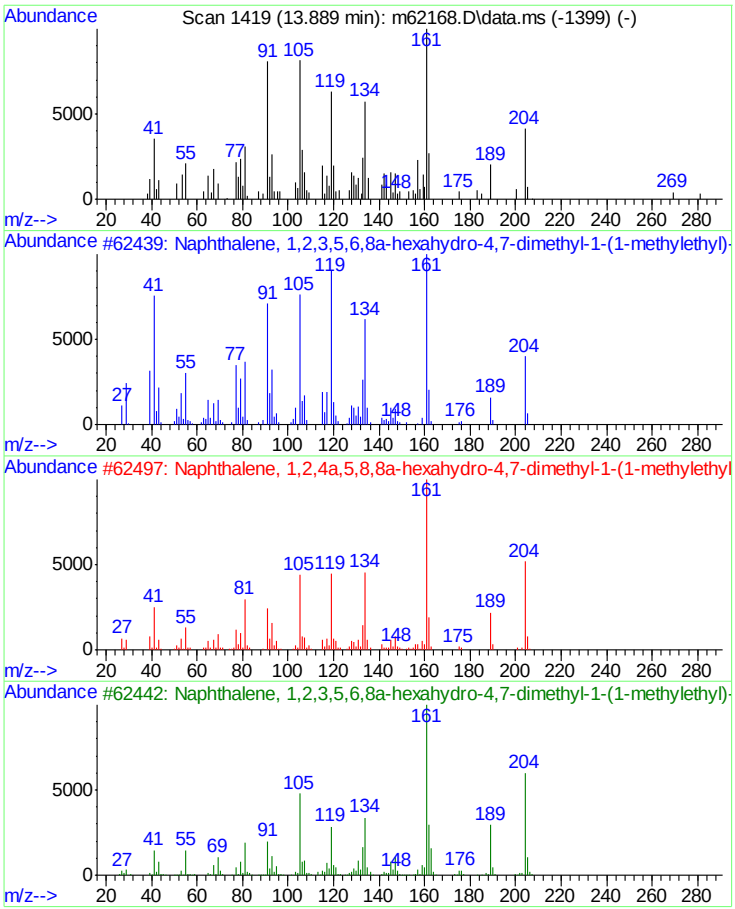
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

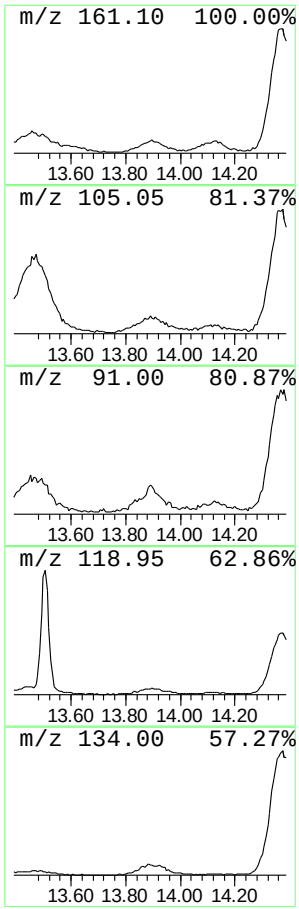
****

Peak Number 5 Naphthalene, 1,2,3,5,6,8a-h... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	11.25 ug/kg	490265	chlorobenzene-d5	13.505

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	96
2	Naphthalene, 1,2,4a,5,8,8a-hexah...	204	C15H24	000523-47-7	94
3	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	93
4	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	89
5	Epizonarene	204	C15H24	041702-63-0	86





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62168.D
Acq On : 14 Dec 2013 3:38 am
Operator : krystend
Sample : mc26923-9
Misc : MS30779,MSM2172,4.685,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

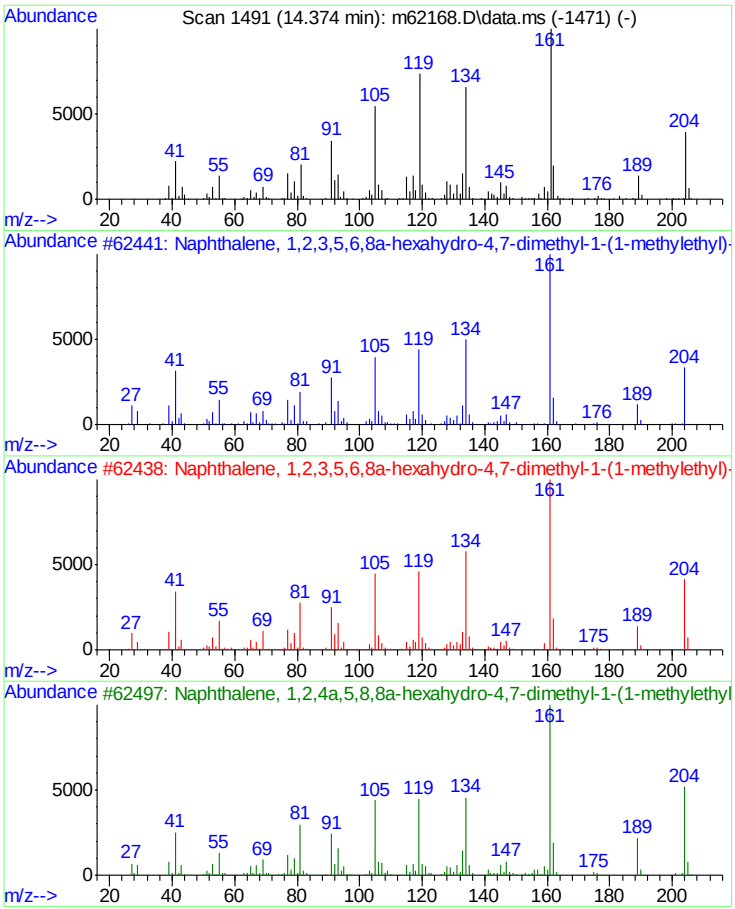
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

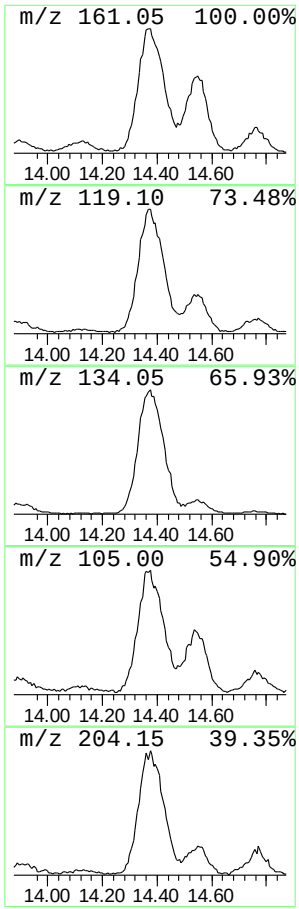
****

Peak Number 6 Naphthalene, 1,2,3,5,6,8a-h... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.374	65.85 ug/kg	2869510	chlorobenzene-d5	13.505

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	98
2	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	97
3	Naphthalene, 1,2,4a,5,8,8a-hexah...	204	C15H24	000523-47-7	93
4	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	93
5	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	90





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62168.D
Acq On : 14 Dec 2013 3:38 am
Operator : krystend
Sample : mc26923-9
Misc : MS30779,MSM2172,4.685,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

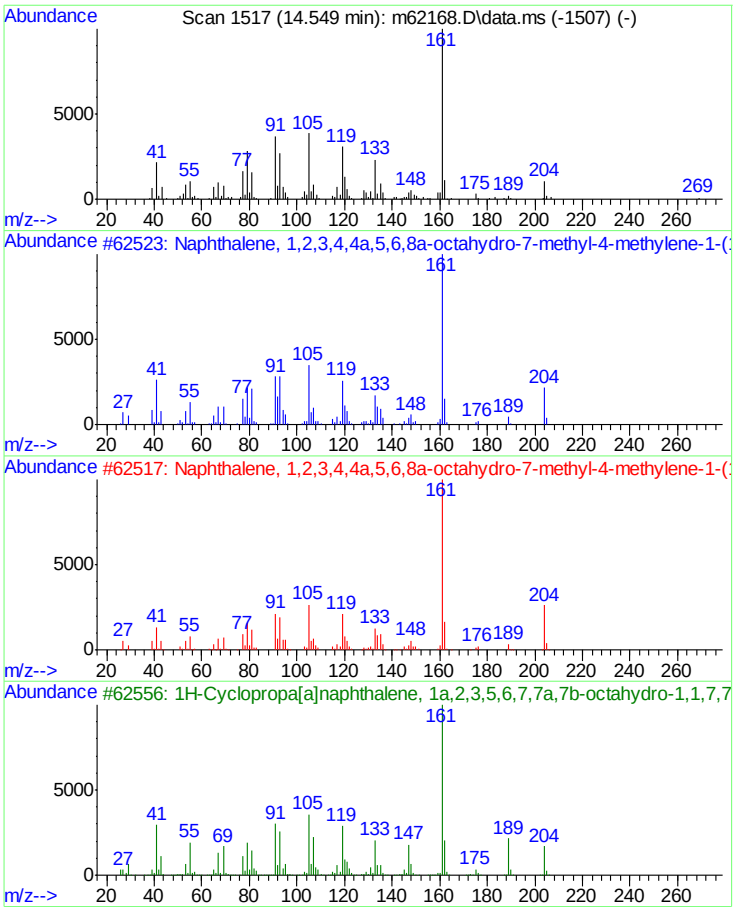
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

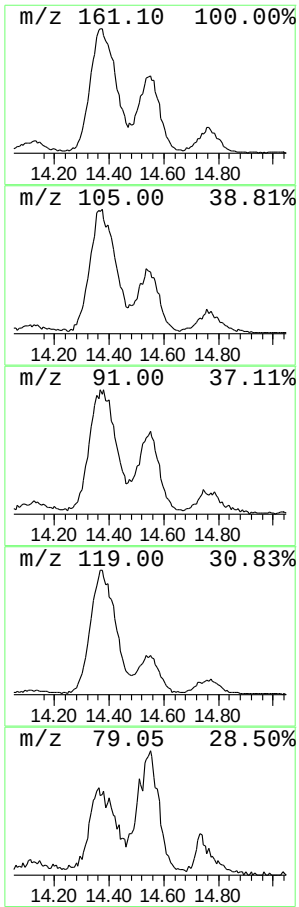
****

Peak Number 7 Naphthalene, 1,2,3,4,4a,5,6... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.549	26.29 ug/kg	1145550	chlorobenzene-d5	13.505

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	039029-41-9	91
2	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	039029-41-9	89
3	1H-Cyclopropa[a]naphthalene, 1a,...	204	C15H24	017334-55-3	87
4	1H-Cyclopenta[1,3]cyclopropa[1,2...	204	C15H24	013744-15-5	78
5	Isoledene	204	C15H24	1000156-10-8	62





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62168.D
Acq On : 14 Dec 2013 3:38 am
Operator : krystend
Sample : mc26923-9
Misc : MS30779,MSM2172,4.685,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

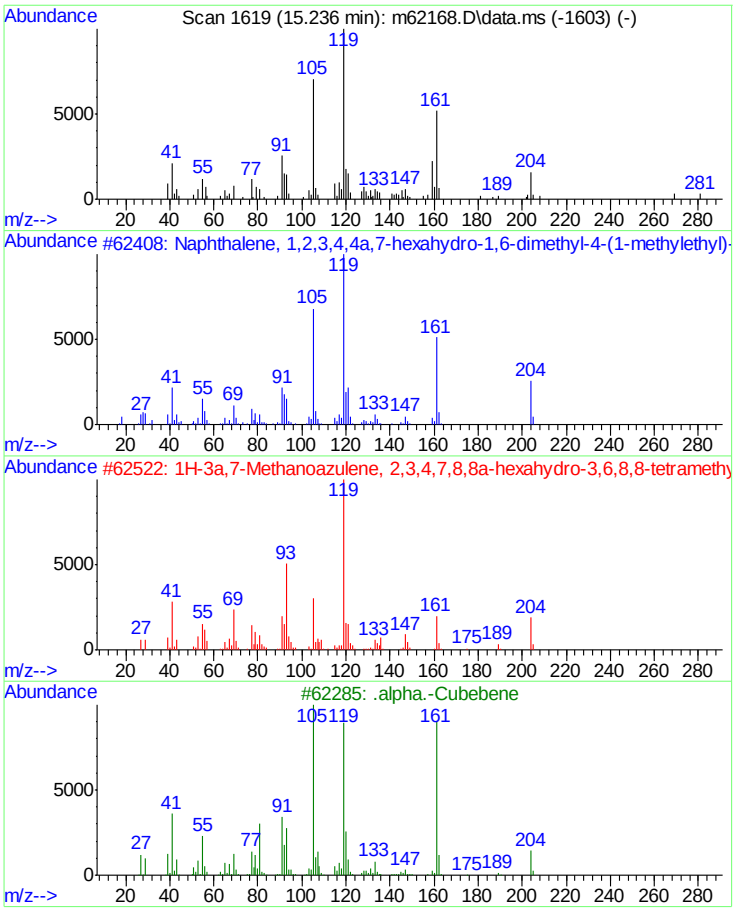
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

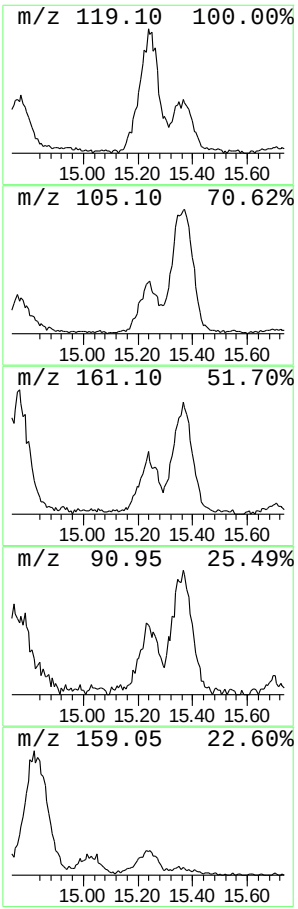
****

Peak Number 8 Naphthalene, 1,2,3,4,4a,7-h... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.236	10.55 ug/kg	327873	1,4-dichlorobenzene-d4	16.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4,4a,7-hexahy...	204	C15H24	016728-99-7	93
2	1H-3a,7-Methanoazulene, 2,3,4,7,...	204	C15H24	000469-61-4	58
3	.alpha.-Cubebene	204	C15H24	017699-14-8	53
4	1H-3a,7-Methanoazulene, 2,3,4,7,...	204	C15H24	000469-61-4	52
5	1H-3a,7-Methanoazulene, 2,3,4,7,...	204	C15H24	000469-61-4	52





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62168.D
Acq On : 14 Dec 2013 3:38 am
Operator : krystend
Sample : mc26923-9
Misc : MS30779,MSM2172,4.685,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

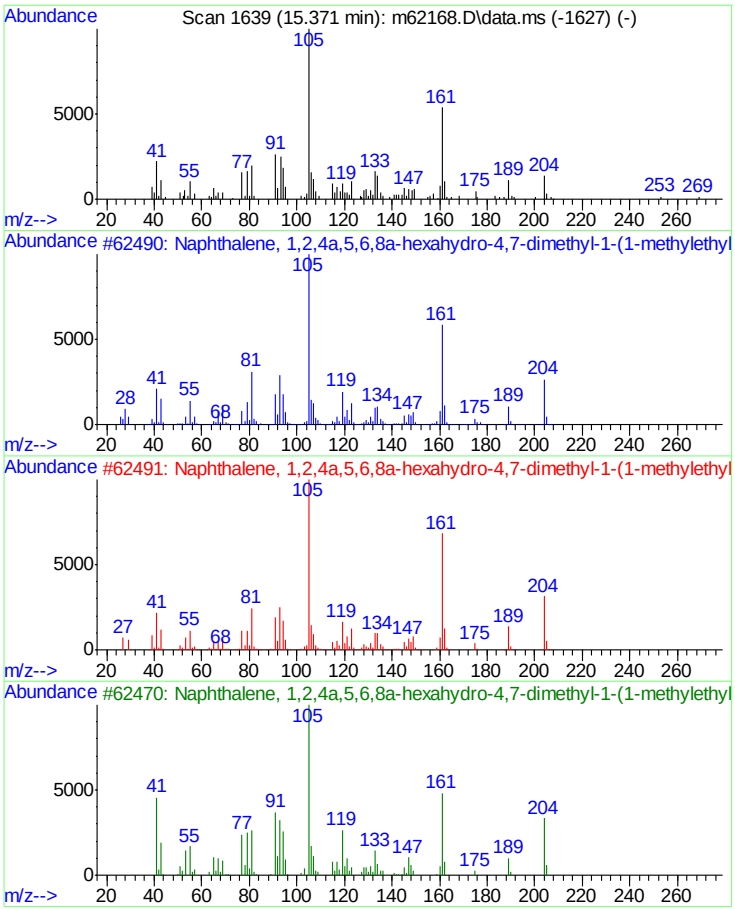
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

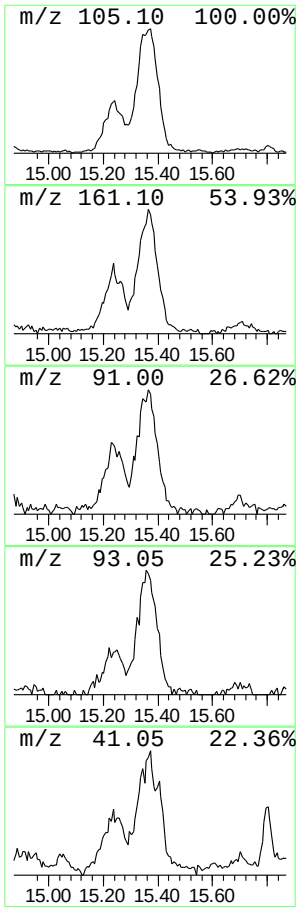
****

Peak Number 9 Naphthalene, 1,2,4a,5,6,8a-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.371	20.98 ug/kg	651850	1,4-dichlorobenzene-d4	16.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,4a,5,6,8a-hexah...	204	C15H24	017627-24-6	93
2	Naphthalene, 1,2,4a,5,6,8a-hexah...	204	C15H24	024406-05-1	93
3	Naphthalene, 1,2,4a,5,6,8a-hexah...	204	C15H24	031983-22-9	89
4	.alpha.-Muurolene	204	C15H24	010208-80-7	86
5	1H-Cyclopenta[1,3]cyclopropa[1,2...	204	C15H24	013744-15-5	78





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62168.D
Acq On : 14 Dec 2013 3:38 am
Operator : krystend
Sample : mc26923-9
Misc : MS30779,MSM2172,4.685,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Patchoulene	11.350	18.0	ug/kg	381272	3	10.231	1058000	50.0
Naphthalene, 1,...	13.000	7.9	ug/kg	342778	4	13.505	2178720	50.0
Epizonarene	13.276	18.3	ug/kg	796277	4	13.505	2178720	50.0
Naphthalene, 1,...	13.889	11.3	ug/kg	490265	4	13.505	2178720	50.0
Naphthalene, 1,...	14.374	65.8	ug/kg	2869510	4	13.505	2178720	50.0
Naphthalene, 1,...	14.549	26.3	ug/kg	1145550	4	13.505	2178720	50.0
Naphthalene, 1,...	15.236	10.6	ug/kg	327873	5	16.065	1553500	50.0
Naphthalene, 1,...	15.371	21.0	ug/kg	651850	5	16.065	1553500	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62169.D
Acq On : 14 Dec 2013 4:08 am
Operator : krystend
Sample : mc26923-10
Misc : MS30779,MSM2172,5.305,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Dec 16 09:17:38 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	187413	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	313903	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	496772	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	212143	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	264662	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	150857	53.88	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.76%			
59) toluene-d8 (s)	12.036	98	538749	48.25	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.50%			
81) bromofluorobenzene (s)	14.731	95	212006	51.13	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.26%			
Target Compounds						Qvalue
18) methylene chloride	7.099	84	5810	1.81	ug/kg	95
35) cis-1,2-dichloroethene	8.655	96	23608	6.26	ug/kg	94
50) trichloroethene	10.656	95	41503	10.93	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

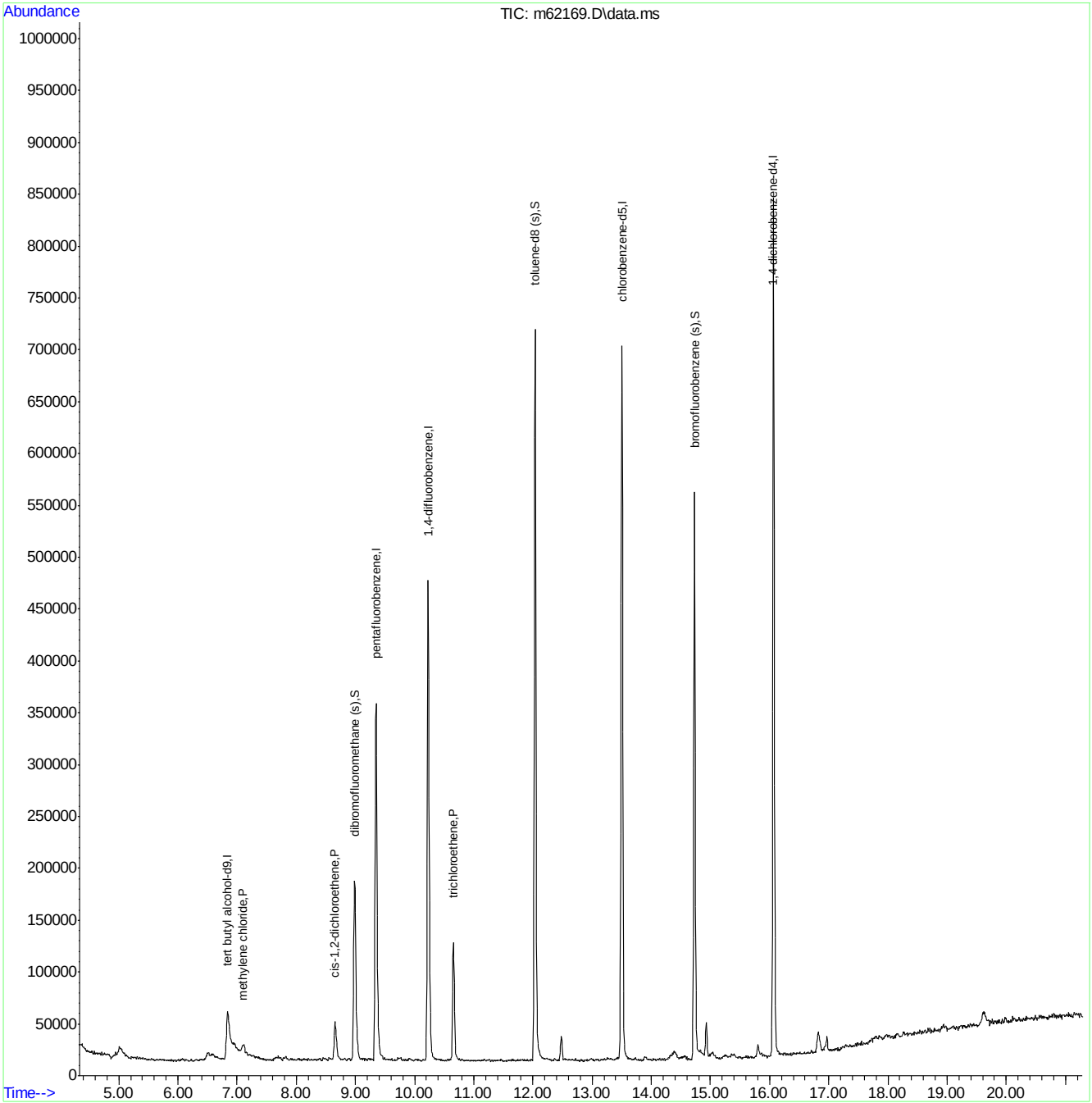
7.1.20

7

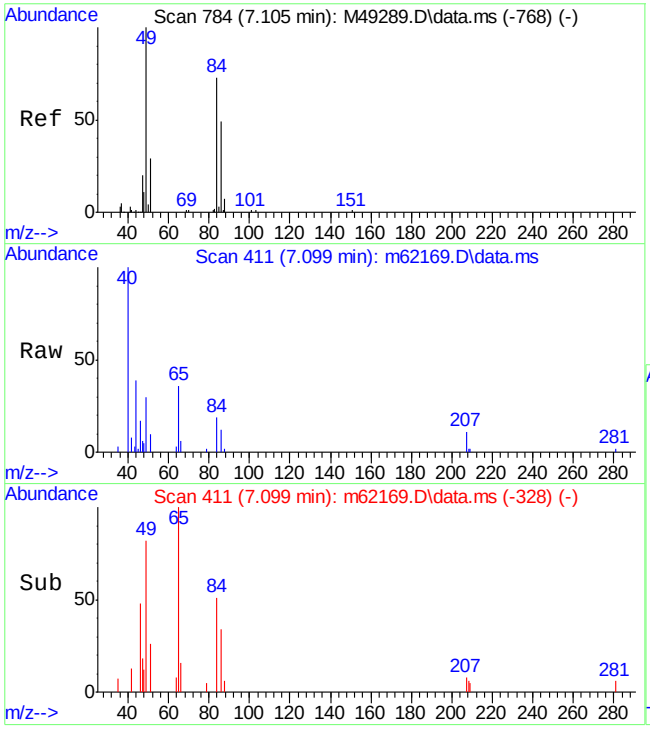
Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62169.D
Acq On : 14 Dec 2013 4:08 am
Operator : krystend
Sample : mc26923-10
Misc : MS30779,MSM2172,5.305,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Dec 16 09:17:38 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration



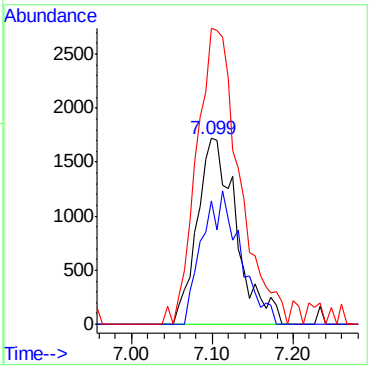
ACCUTEST LABORATORIES MC26923

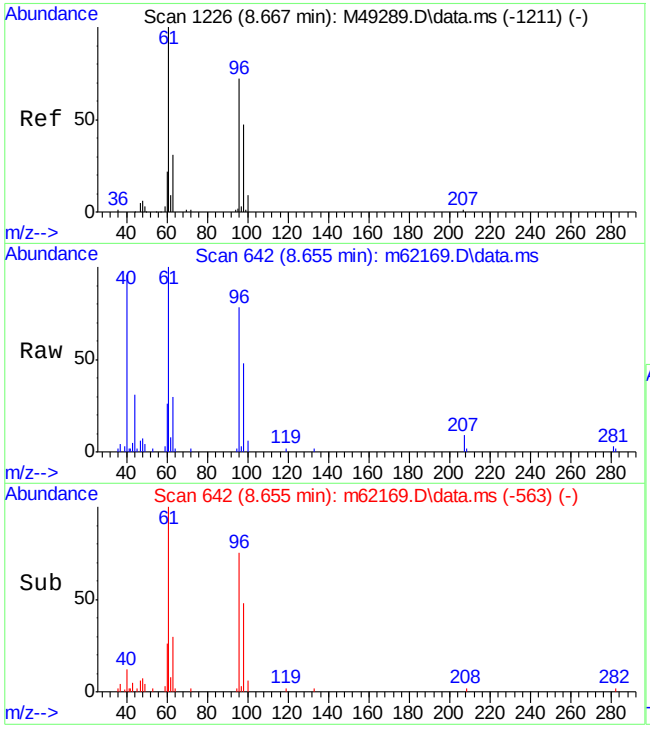


#18
methylene chloride
Concen: 1.81 ug/kg
RT: 7.099 min Scan# 411
Delta R.T. -0.000 min
Lab File: m62169.D
Acq: 14 Dec 2013 4:08 am

Tgt Ion: 84 Resp: 5810

Ion	Ratio	Lower	Upper
84	100		
86	66.6	37.8	97.8
49	159.2	137.0	197.0

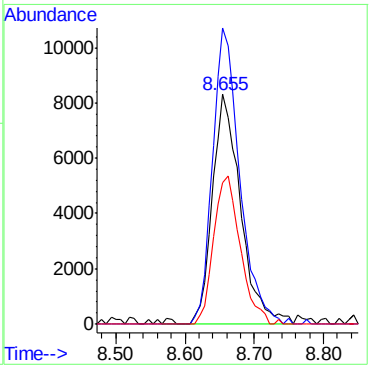


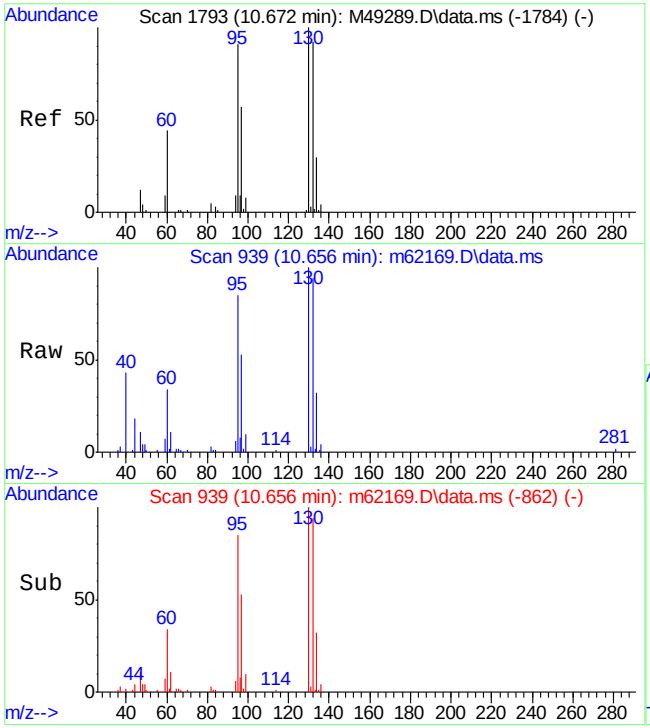


#35
cis-1,2-dichloroethene
Concen: 6.26 ug/kg
RT: 8.655 min Scan# 642
Delta R.T. -0.000 min
Lab File: m62169.D
Acq: 14 Dec 2013 4:08 am

Tgt Ion: 96 Resp: 23608

Ion	Ratio	Lower	Upper
96	100		
61	128.9	106.3	166.3
98	61.3	36.4	96.4

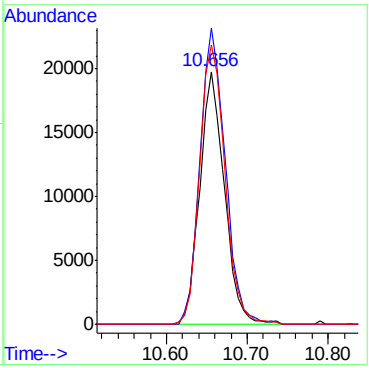




#50
trichloroethene
Concen: 10.93 ug/kg
RT: 10.656 min Scan# 939
Delta R.T. -0.000 min
Lab File: m62169.D
Acq: 14 Dec 2013 4:08 am

Tgt Ion: 95 Resp: 41503

Ion	Ratio	Lower	Upper
95	100		
130	117.3	88.4	148.4
132	110.8	77.7	137.7



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62169.D
Acq On : 14 Dec 2013 4:08 am
Operator : krystend
Sample : mc26923-10
Misc : MS30779,MSM2172,5.305,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131211S.M
Title : SW-846 Method 8260

Signal : TIC: m62169.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.010	95	101	193	rVB8	13842	135570	9.03%	1.468%
2	6.075	253	259	275	rVB4	2722	11218	0.75%	0.122%
3	6.304	285	293	299	rBV3	1873	5866	0.39%	0.064%
4	6.506	313	323	361	rBV8	6592	58464	3.90%	0.633%
5	6.836	361	372	487	rVB	47831	468962	31.25%	5.080%
6	7.698	487	500	511	rBV8	4908	24861	1.66%	0.269%
7	7.820	511	518	545	rVB10	3553	15814	1.05%	0.171%
8	8.385	597	602	607	rVB3	2893	6830	0.46%	0.074%
9	8.453	607	612	621	rBV5	3750	10824	0.72%	0.117%
10	8.554	621	627	635	rBV4	3254	8358	0.56%	0.091%
11	8.655	635	642	663	rVB2	36979	103936	6.93%	1.126%
12	8.884	671	676	681	rVB2	2535	8089	0.54%	0.088%
13	8.985	681	691	711	rBV	174025	483803	32.24%	5.240%
14	9.349	735	745	793	rVB	344970	848624	56.55%	9.192%
15	9.766	793	807	821	rVB6	3331	17175	1.14%	0.186%
16	9.901	825	827	839	rBV5	2728	7535	0.50%	0.082%
17	10.043	839	848	857	rBV7	1883	5802	0.39%	0.063%
18	10.231	867	876	903	rVB	462967	1031692	68.75%	11.175%
19	10.656	925	939	957	rVB	114290	259621	17.30%	2.812%
20	10.797	957	960	995	rBV6	1748	10796	0.72%	0.117%
21	11.464	1055	1059	1073	rVB3	2591	6519	0.43%	0.071%
22	11.828	1095	1113	1123	rBV4	1630	9586	0.64%	0.104%
23	12.036	1135	1144	1187	rBV	704647	1413057	94.16%	15.306%
24	12.481	1199	1210	1251	rVB3	23201	60821	4.05%	0.659%
25	12.986	1279	1285	1293	rVB5	2504	7941	0.53%	0.086%
26	13.256	1321	1325	1349	rBV9	2282	9064	0.60%	0.098%
27	13.505	1349	1362	1389	rVB	688806	1322547	88.13%	14.326%
28	13.727	1389	1395	1411	rVB3	3793	14854	0.99%	0.161%
29	13.889	1411	1419	1437	rBV6	4422	21764	1.45%	0.236%
30	14.381	1477	1492	1507	rBV6	8253	46606	3.11%	0.505%
31	14.569	1507	1520	1533	rVB9	4438	23068	1.54%	0.250%
32	14.731	1533	1544	1567	rBV	547370	1061117	70.71%	11.494%
33	14.926	1567	1573	1581	rVV	34466	75404	5.02%	0.817%
34	15.048	1581	1591	1613	rVB7	6508	24826	1.65%	0.269%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62169.D
Acq On : 14 Dec 2013 4:08 am
Operator : krystend
Sample : mc26923-10
Misc : MS30779,MSM2172,5.305,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131211S.M
Title : SW-846 Method 8260

35	15.802	1695	1703	1727	rVB5	12640	52274	3.48%	0.566%
36	16.065	1733	1742	1789	rBV	827108	1500708	100.00%	16.255%
37	16.826	1847	1855	1871	rBV5	18370	58038	3.87%	0.629%

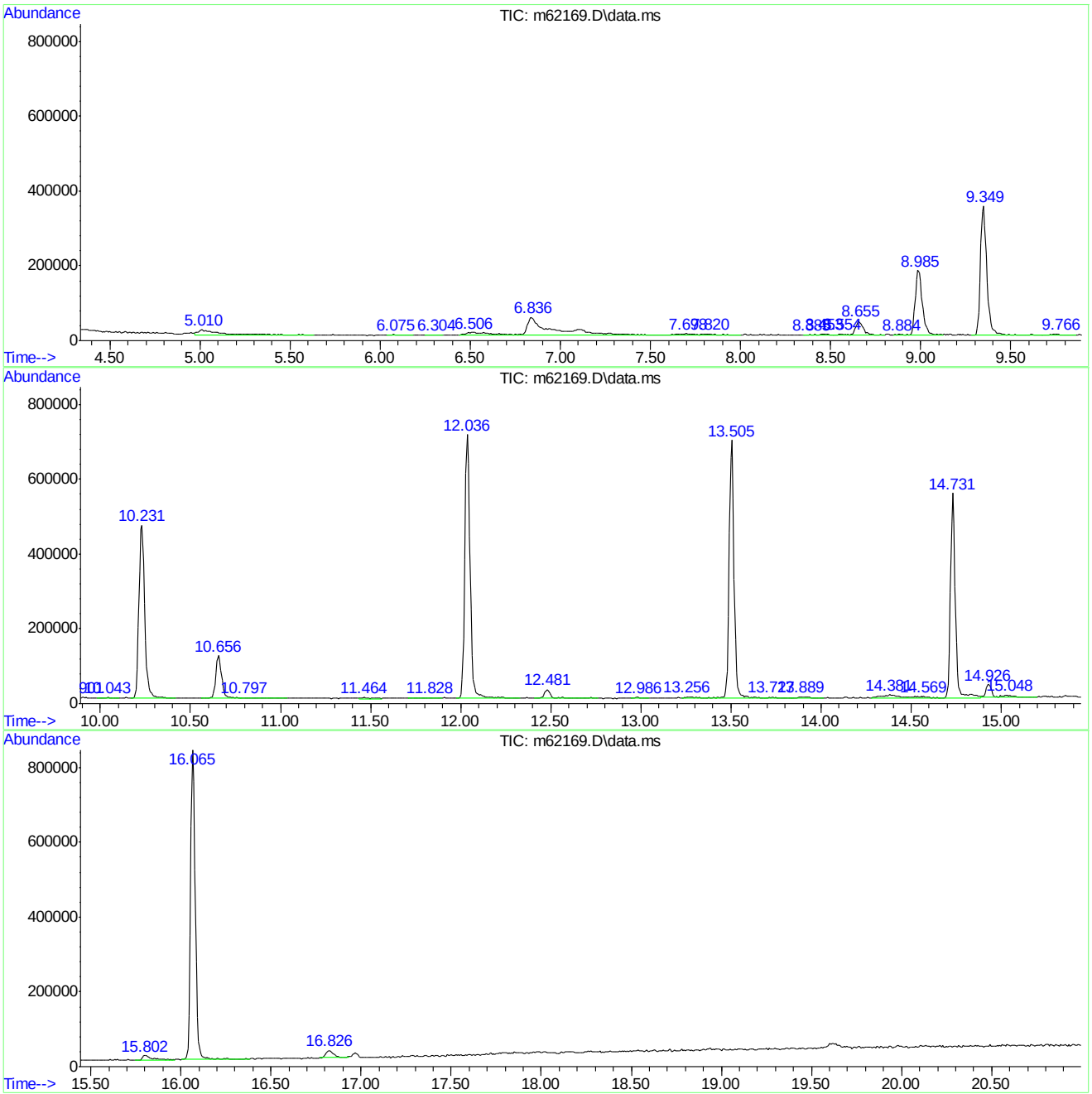
Sum of corrected areas: 9232034

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62169.D
Acq On : 14 Dec 2013 4:08 am
Operator : krystend
Sample : mc26923-10
Misc : MS30779,MSM2172,5.305,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62169.D
Acq On : 14 Dec 2013 4:08 am
Operator : krystend
Sample : mc26923-10
Misc : MS30779,MSM2172,5.305,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62169.D
Acq On : 14 Dec 2013 4:08 am
Operator : krystend
Sample : mc26923-10
Misc : MS30779,MSM2172,5.305,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62170.D
Acq On : 14 Dec 2013 4:37 am
Operator : krystend
Sample : mc26923-11
Misc : MS30779,MSM2172,6.467,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Dec 16 09:18:17 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

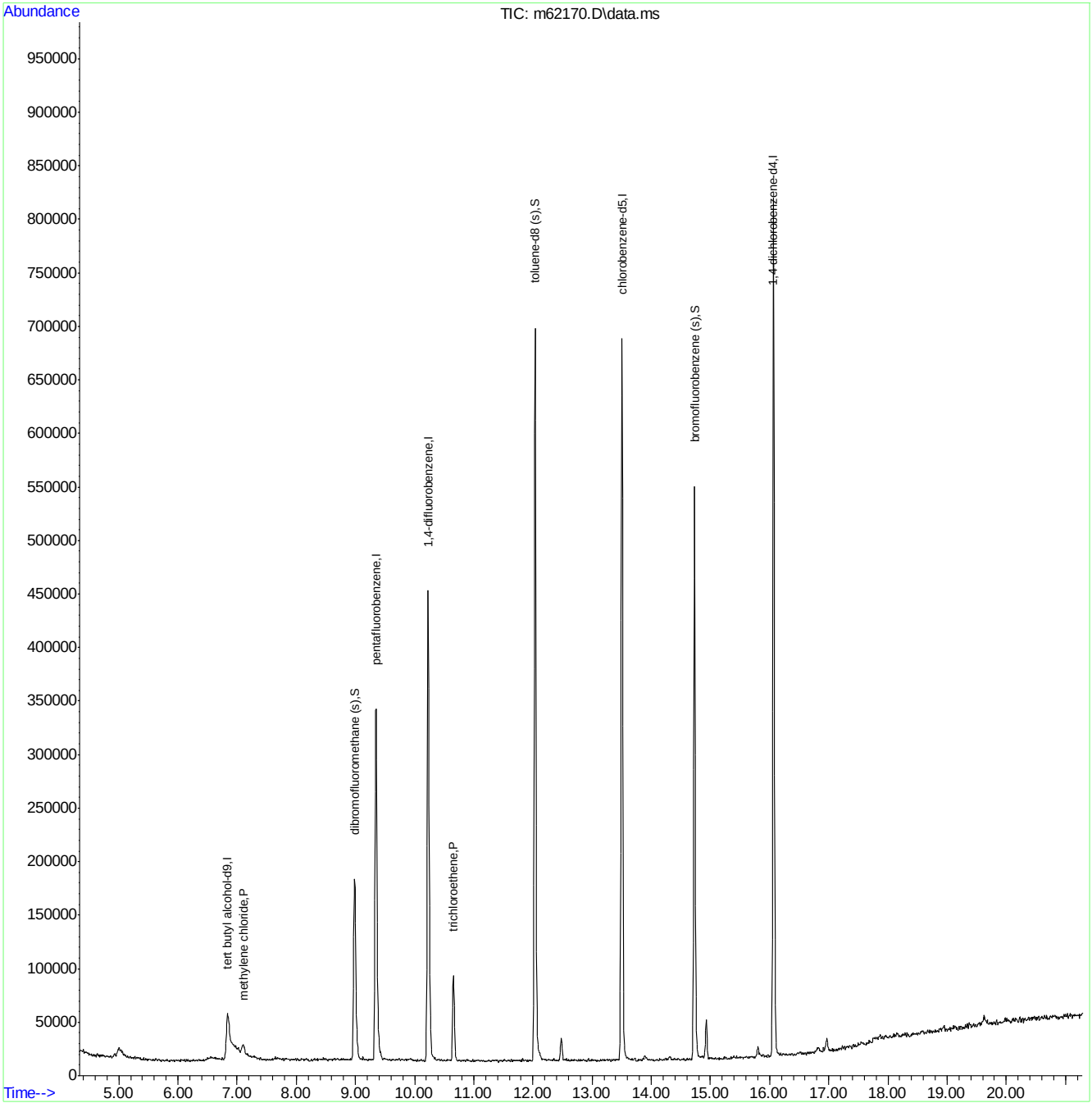
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	177987	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	304521	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	485230	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	202741	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	261138	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	147812	54.49	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.98%			
59) toluene-d8 (s)	12.036	98	519533	47.20	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.40%			
81) bromofluorobenzene (s)	14.731	95	205025	50.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.00%			
Target Compounds						Qvalue
18) methylene chloride	7.105	84	5208	1.67	ug/kg	87
50) trichloroethene	10.656	95	29945	8.07	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

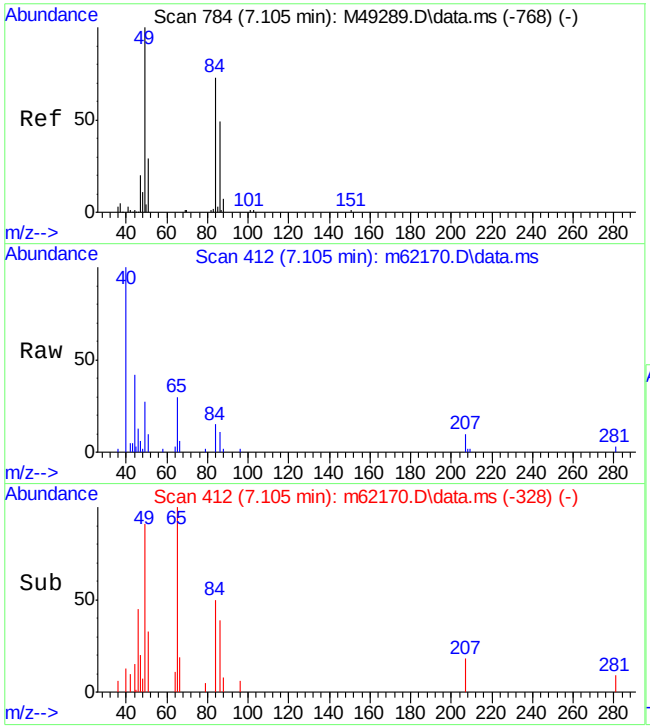
Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62170.D
Acq On : 14 Dec 2013 4:37 am
Operator : krystend
Sample : mc26923-11
Misc : MS30779,MSM2172,6.467,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Dec 16 09:18:17 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration



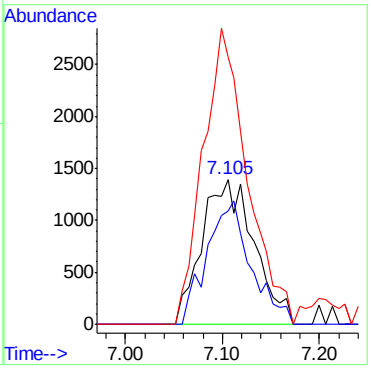
ACCUTEST LABORATORIES MC26923

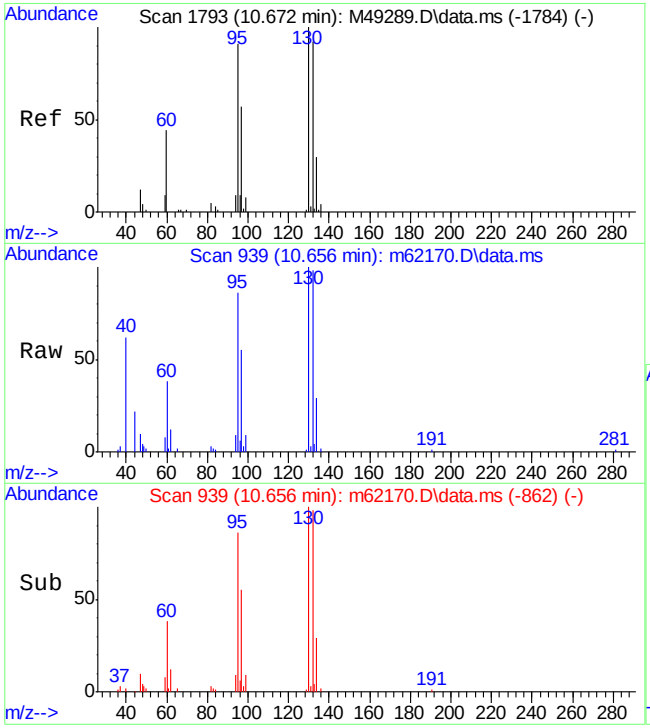


#18
methylene chloride
Concen: 1.67 ug/kg
RT: 7.105 min Scan# 412
Delta R.T. 0.006 min
Lab File: m62170.D
Acq: 14 Dec 2013 4:37 am

Tgt Ion: 84 Resp: 5208

Ion	Ratio	Lower	Upper
84	100		
86	78.4	37.8	97.8
49	184.0	137.0	197.0

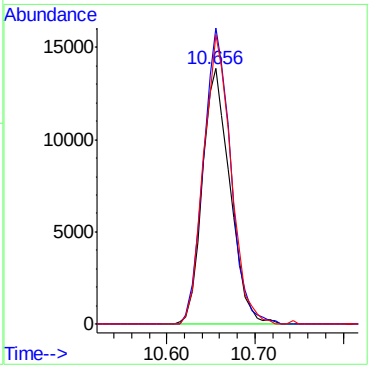




#50
trichloroethene
Concen: 8.07 ug/kg
RT: 10.656 min Scan# 939
Delta R.T. -0.001 min
Lab File: m62170.D
Acq: 14 Dec 2013 4:37 am

Tgt Ion: 95 Resp: 29945

Ion	Ratio	Lower	Upper
95	100		
130	116.0	88.4	148.4
132	113.5	77.7	137.7



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62170.D
Acq On : 14 Dec 2013 4:37 am
Operator : krystend
Sample : mc26923-11
Misc : MS30779,MSM2172,6.467,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131211S.M
Title : SW-846 Method 8260

Signal : TIC: m62170.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.010	93	101	171	rVB	12655	132439	8.21%	1.512%
2	5.974	239	244	251	rBV4	1899	5990	0.37%	0.068%
3	6.108	251	264	267	rVB5	2203	8797	0.55%	0.100%
4	6.432	267	312	313	rBV5	2406	24228	1.50%	0.277%
5	6.553	313	330	361	rVV7	4535	48732	3.02%	0.556%
6	6.836	361	372	479	rVB3	44345	429890	26.64%	4.907%
7	7.786	509	513	529	rVB6	2622	12016	0.74%	0.137%
8	8.082	551	557	579	rBV6	2535	14028	0.87%	0.160%
9	8.392	599	603	611	rBV3	1726	5462	0.34%	0.062%
10	8.459	611	613	623	rVB4	2810	6963	0.43%	0.079%
11	8.655	635	642	671	rBV8	2441	19329	1.20%	0.221%
12	8.985	683	691	733	rBV2	169101	462941	28.69%	5.284%
13	9.349	733	745	799	rVB	328014	819993	50.82%	9.360%
14	9.935	823	832	847	rVB4	2996	14155	0.88%	0.162%
15	10.224	867	875	929	rBV	439891	1026720	63.63%	11.720%
16	10.656	929	939	969	rVB	80146	186479	11.56%	2.129%
17	10.885	969	973	985	rBV3	2244	6365	0.39%	0.073%
18	11.046	993	997	1007	rBV2	1791	6163	0.38%	0.070%
19	11.161	1007	1014	1021	rVB3	1652	5072	0.31%	0.058%
20	11.255	1021	1028	1033	rBV2	1844	5054	0.31%	0.058%
21	11.518	1061	1067	1073	rBV2	2914	7368	0.46%	0.084%
22	12.036	1135	1144	1187	rBV	685048	1366037	84.66%	15.593%
23	12.481	1203	1210	1241	rVB2	21957	56039	3.47%	0.640%
24	12.939	1251	1278	1283	rVB3	2345	7022	0.44%	0.080%
25	13.249	1309	1324	1335	rVB5	2558	14986	0.93%	0.171%
26	13.505	1345	1362	1399	rBV	675233	1290664	79.99%	14.732%
27	13.896	1413	1420	1443	rVB6	4573	17283	1.07%	0.197%
28	14.313	1477	1482	1529	rVB6	4200	25969	1.61%	0.296%
29	14.731	1535	1544	1567	rBV	535287	989905	61.35%	11.299%
30	14.933	1567	1574	1581	rVB2	36894	73731	4.57%	0.842%
31	15.236	1615	1619	1631	rVB5	2336	6659	0.41%	0.076%
32	15.438	1639	1649	1697	rBV9	2534	17446	1.08%	0.199%
33	15.802	1697	1703	1735	rBV5	10094	33313	2.06%	0.380%
34	16.065	1735	1742	1871	rBV	801940	1613465	100.00%	18.417%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62170.D
Acq On : 14 Dec 2013 4:37 am
Operator : krystend
Sample : mc26923-11
Misc : MS30779,MSM2172,6.467,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131211S.M
Title : SW-846 Method 8260

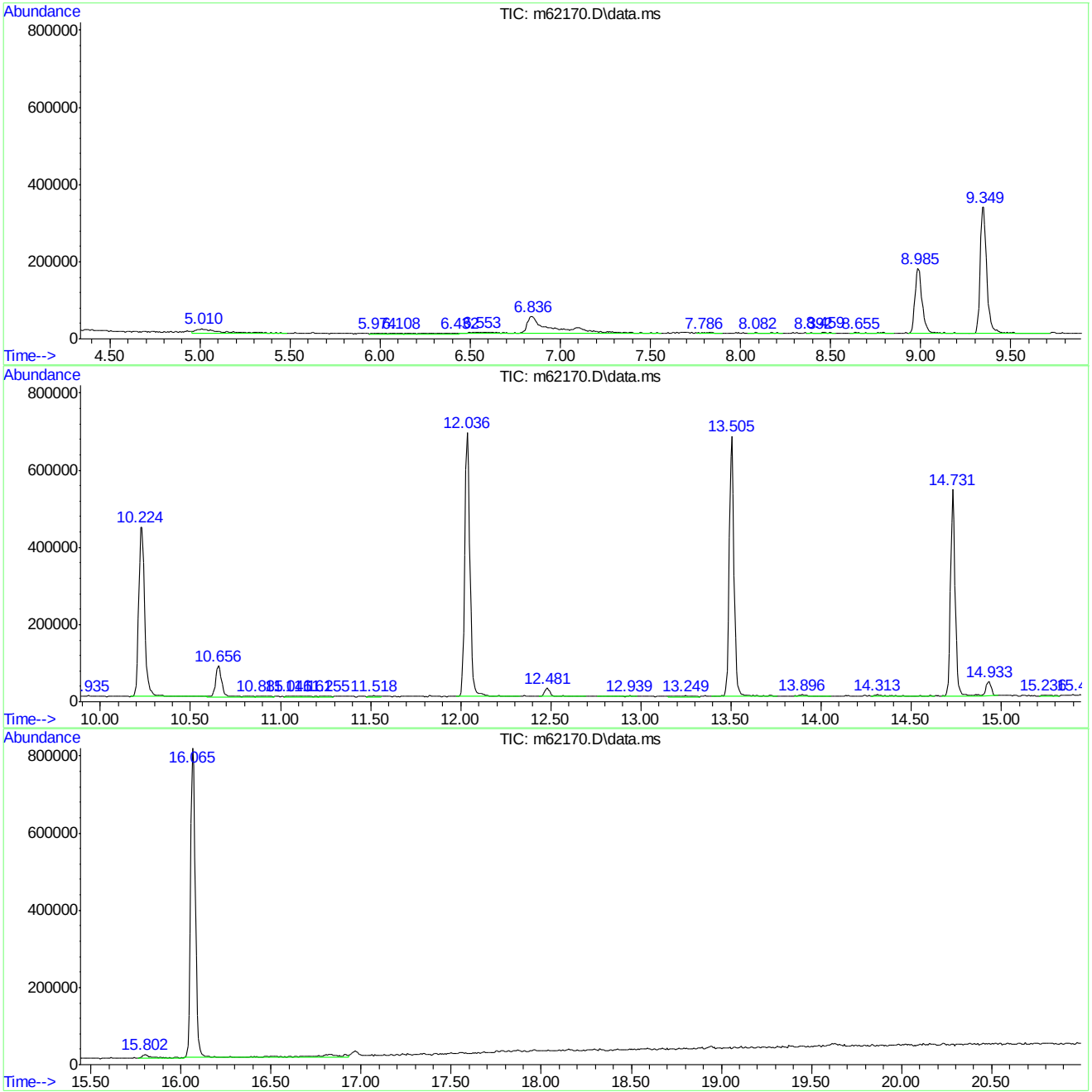
Sum of corrected areas: 8760703

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62170.D
Acq On : 14 Dec 2013 4:37 am
Operator : krystend
Sample : mc26923-11
Misc : MS30779,MSM2172,6.467,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62170.D
Acq On : 14 Dec 2013 4:37 am
Operator : krystend
Sample : mc26923-11
Misc : MS30779,MSM2172,6.467,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62170.D
Acq On : 14 Dec 2013 4:37 am
Operator : krystend
Sample : mc26923-11
Misc : MS30779,MSM2172,6.467,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62171.D
Acq On : 14 Dec 2013 5:07 am
Operator : krystend
Sample : mc26923-12
Misc : MS30779,MSM2172,4.901,,,5,1
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 16 09:19:34 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	192517	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	306014	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.224	114	483288	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	202949	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	255576	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	149970	55.08	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.16%			
59) toluene-d8 (s)	12.036	98	522202	47.94	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.88%			
81) bromofluorobenzene (s)	14.731	95	206000	51.48	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.96%			
Target Compounds						Qvalue
18) methylene chloride	7.105	84	5239	1.68	ug/kg	84
24) carbon disulfide	7.388	76	27572	3.38	ug/kg	96

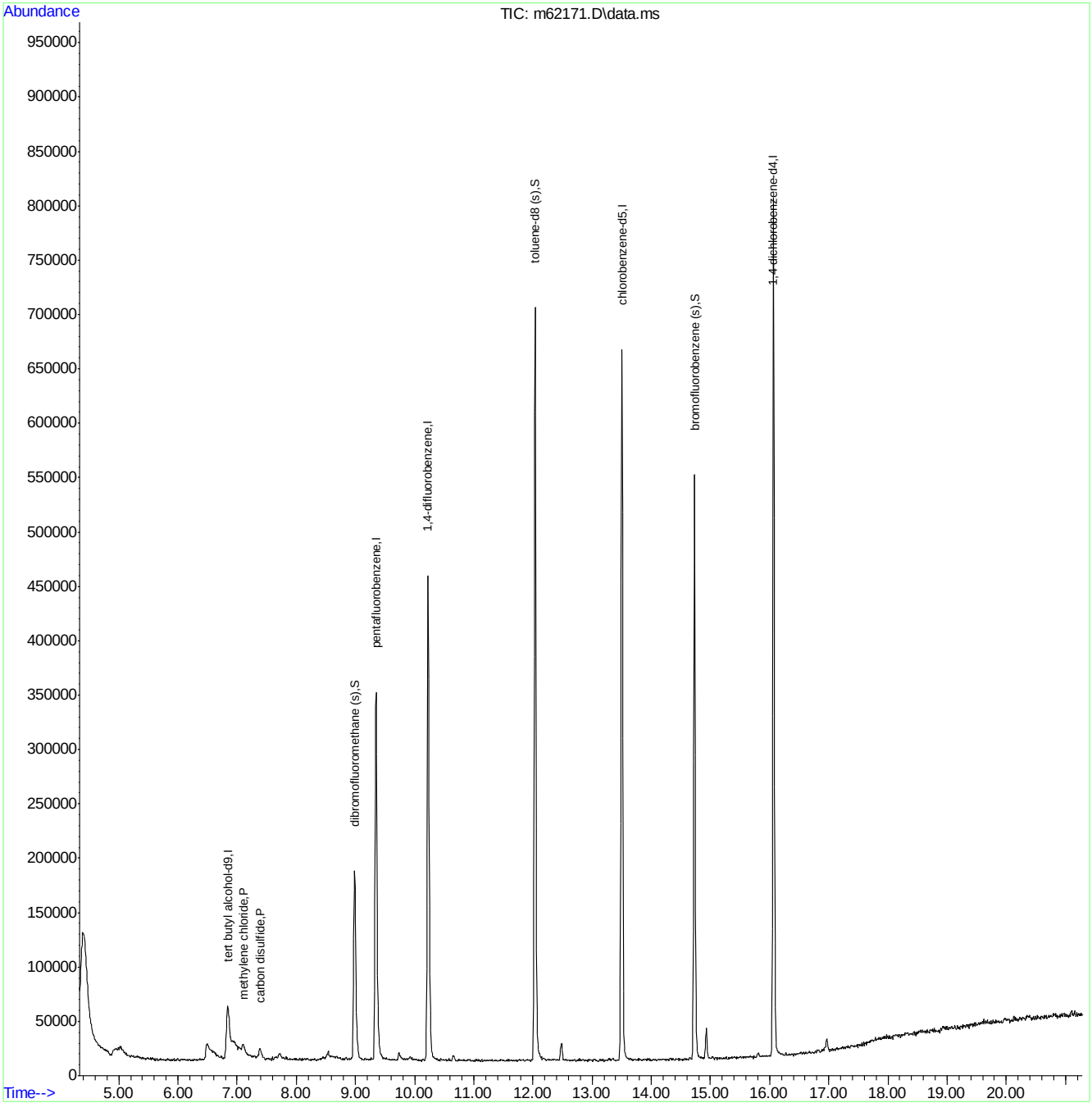
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.24
7

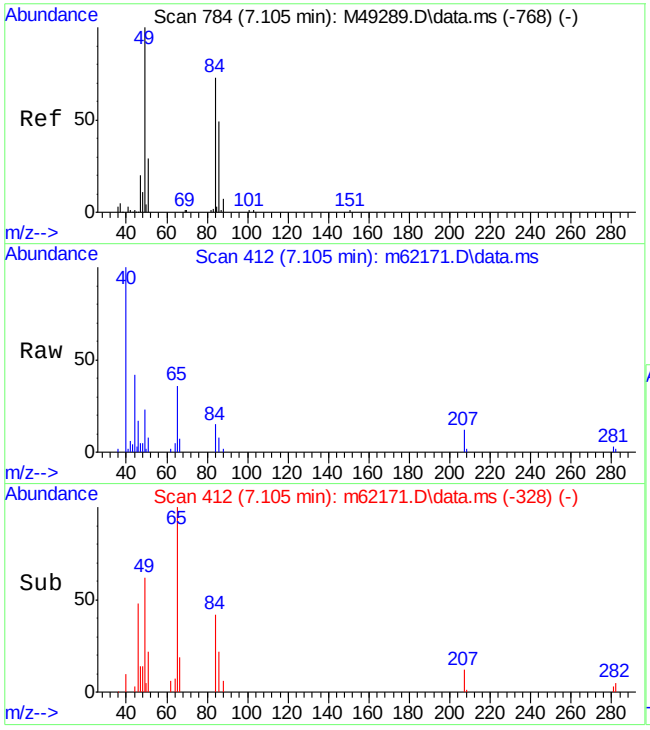
Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62171.D
Acq On : 14 Dec 2013 5:07 am
Operator : krystend
Sample : mc26923-12
Misc : MS30779,MSM2172,4.901,,,5,1
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 16 09:19:34 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration



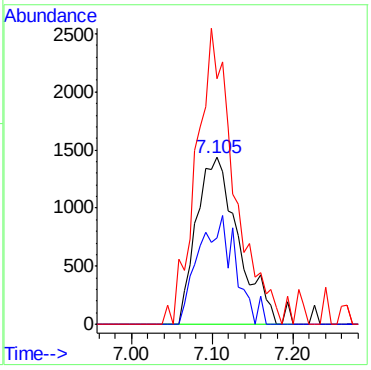
ACCUTEST LABORATORIES MC26923

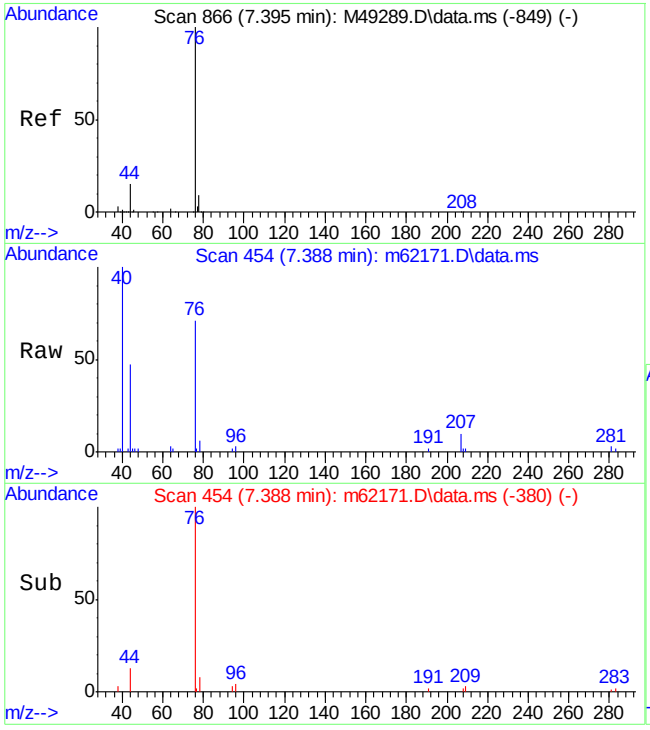


#18
methylene chloride
Concen: 1.68 ug/kg
RT: 7.105 min Scan# 412
Delta R.T. 0.006 min
Lab File: m62171.D
Acq: 14 Dec 2013 5:07 am

Tgt Ion: 84 Resp: 5239

Ion	Ratio	Lower	Upper
84	100		
86	51.9	37.8	97.8
49	147.1	137.0	197.0

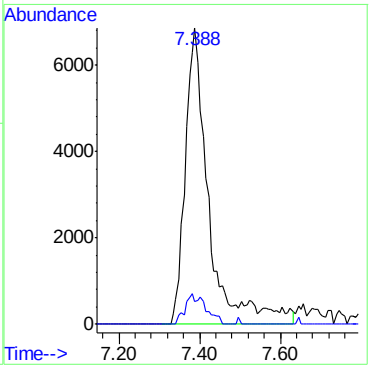




#24
carbon disulfide
Concen: 3.38 ug/kg
RT: 7.388 min Scan# 454
Delta R.T. 0.000 min
Lab File: m62171.D
Acq: 14 Dec 2013 5:07 am

Tgt Ion: 76 Resp: 27572

Ion	Ratio	Lower	Upper
76	100		
78	7.8	0.0	39.2



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62171.D
Acq On : 14 Dec 2013 5:07 am
Operator : krystend
Sample : mc26923-12
Misc : MS30779,MSM2172,4.901,,,5,1
ALS Vial : 37 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131211S.M
Title : SW-846 Method 8260

Signal : TIC: m62171.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.017	81	102	167	rVB6	12909	191140	12.13%	2.239%
2	5.644	191	195	217	rVB7	2622	11032	0.70%	0.129%
3	6.499	311	322	361	rBV3	14300	119695	7.60%	1.402%
4	6.843	361	373	407	rBV2	49108	330409	20.97%	3.871%
5	7.388	445	454	467	rVB2	11492	45852	2.91%	0.537%
6	8.311	581	591	595	rBV8	2234	6585	0.42%	0.077%
7	8.540	617	625	663	rVB5	8048	55911	3.55%	0.655%
8	8.985	681	691	731	rVB2	174052	473095	30.03%	5.543%
9	9.349	737	745	795	rVV	338027	821469	52.14%	9.625%
10	9.733	795	802	825	rVV8	7222	31667	2.01%	0.371%
11	9.928	825	831	857	rVB8	4339	25235	1.60%	0.296%
12	10.224	865	875	921	rVB	446404	1023593	64.97%	11.993%
13	10.649	933	938	953	rVV7	5241	12129	0.77%	0.142%
14	10.905	967	976	1003	rBV3	2010	11901	0.76%	0.139%
15	11.457	1049	1058	1067	rVB6	1746	5849	0.37%	0.069%
16	11.908	1099	1125	1133	rBV5	1902	16142	1.02%	0.189%
17	12.036	1133	1144	1179	rBV	693797	1376126	87.35%	16.123%
18	12.481	1201	1210	1239	rVB2	15878	42358	2.69%	0.496%
19	12.784	1247	1255	1267	rBV3	3017	10207	0.65%	0.120%
20	13.505	1351	1362	1401	rVB	653500	1268250	80.50%	14.859%
21	13.963	1413	1430	1437	rVB6	2296	13388	0.85%	0.157%
22	14.044	1437	1442	1457	rBV6	2058	10434	0.66%	0.122%
23	14.731	1535	1544	1567	rBV	537611	979598	62.18%	11.477%
24	14.933	1567	1574	1699	rVV2	27919	58038	3.68%	0.680%
25	15.809	1699	1704	1735	rBV8	4425	19574	1.24%	0.229%
26	16.065	1735	1742	1869	rBV	789578	1575384	100.00%	18.458%

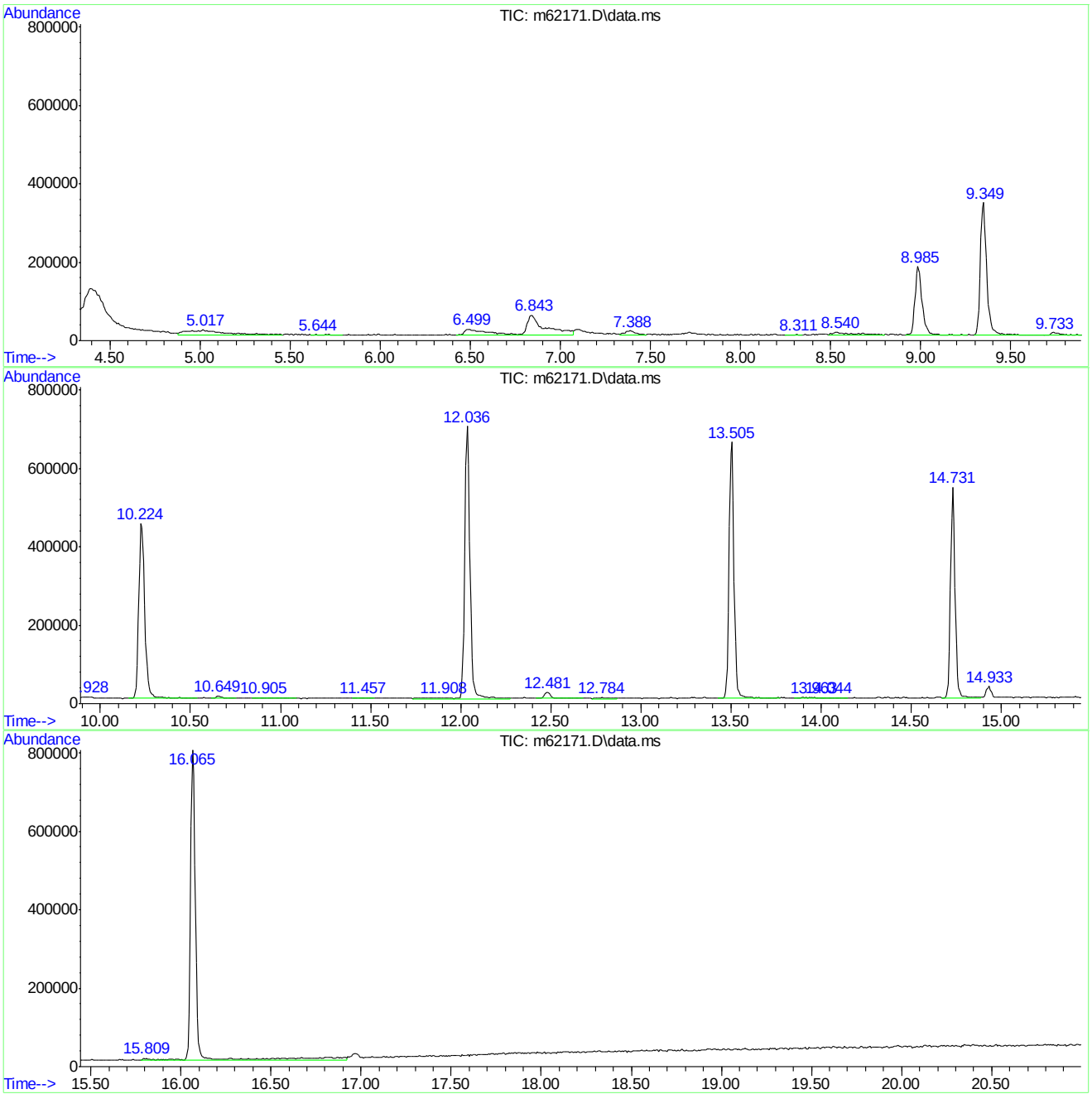
Sum of corrected areas: 8535061

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62171.D
Acq On : 14 Dec 2013 5:07 am
Operator : krystend
Sample : mc26923-12
Misc : MS30779,MSM2172,4.901,,,5,1
ALS Vial : 37 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62171.D
Acq On : 14 Dec 2013 5:07 am
Operator : krystend
Sample : mc26923-12
Misc : MS30779,MSM2172,4.901,,,5,1
ALS Vial : 37 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62171.D
Acq On : 14 Dec 2013 5:07 am
Operator : krystend
Sample : mc26923-12
Misc : MS30779,MSM2172,4.901,,,5,1
ALS Vial : 37 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62172.D
Acq On : 14 Dec 2013 5:36 am
Operator : krystend
Sample : mc26923-13
Misc : MS30779,MSM2172,5.265,,,5,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Dec 16 09:20:21 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

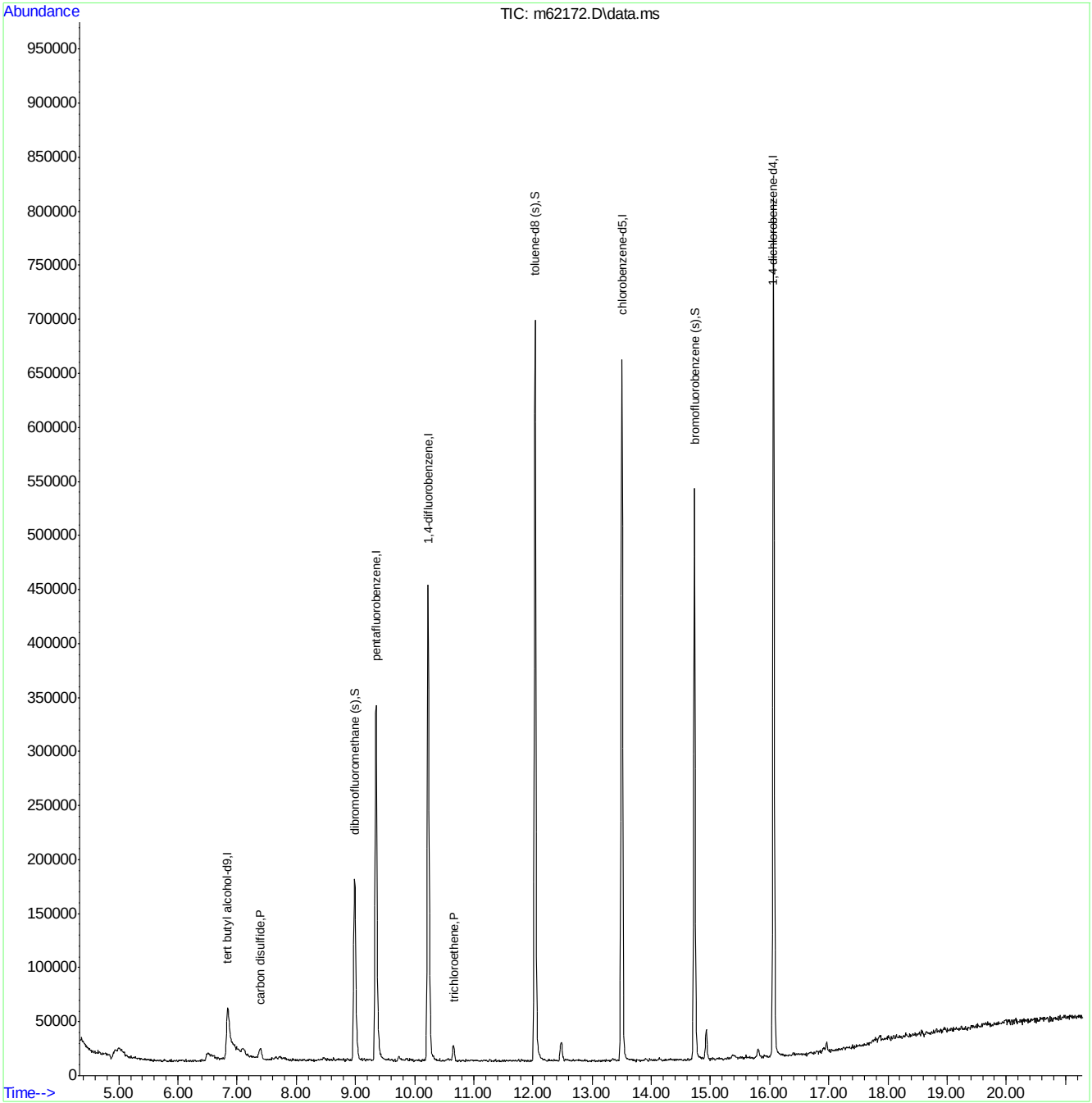
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	185837	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	298875	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	474559	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	199446	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	252740	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	146033	54.89	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.78%			
59) toluene-d8 (s)	12.036	98	519418	49.03	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.06%			
81) bromofluorobenzene (s)	14.731	95	202353	51.10	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.20%			
Target Compounds						Qvalue
24) carbon disulfide	7.388	76	27651	3.47	ug/kg	97
50) trichloroethene	10.662	95	5285	1.46	ug/kg	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

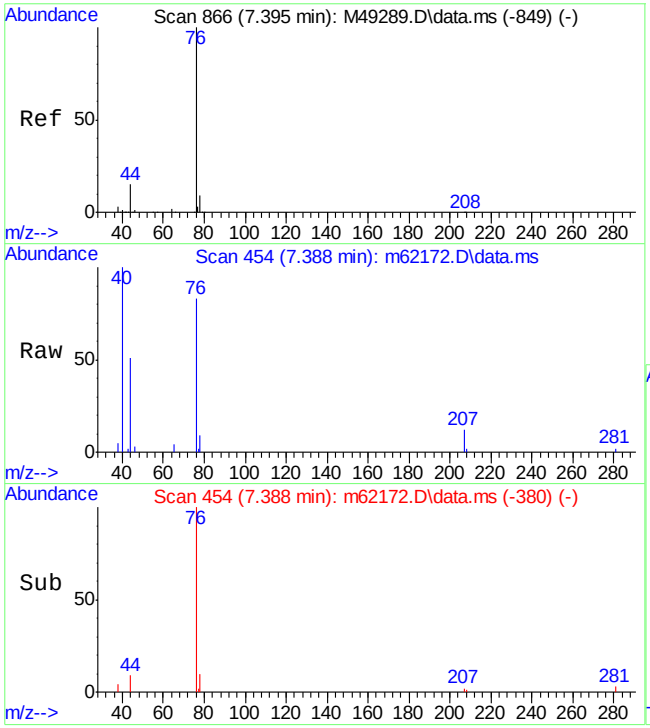
Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62172.D
Acq On : 14 Dec 2013 5:36 am
Operator : krystend
Sample : mc26923-13
Misc : MS30779,MSM2172,5.265,,,5,1
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Dec 16 09:20:21 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration



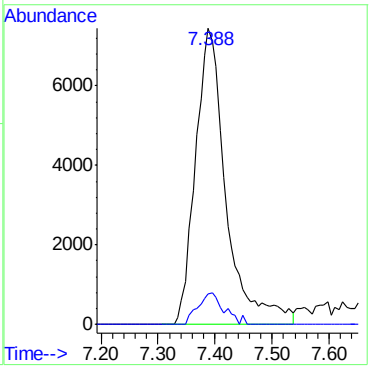
ACCUTEST LABORATORIES MC26923

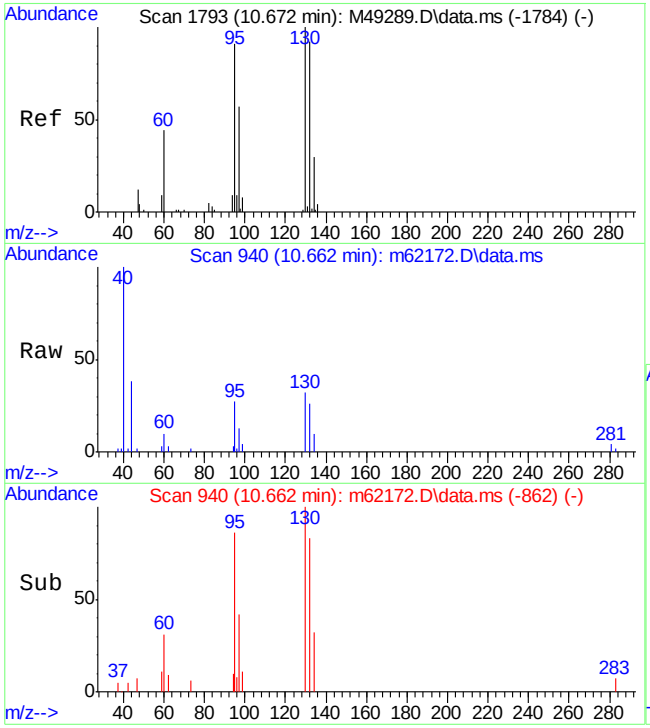


#24
carbon disulfide
Concen: 3.47 ug/kg
RT: 7.388 min Scan# 454
Delta R.T. 0.000 min
Lab File: m62172.D
Acq: 14 Dec 2013 5:36 am

Tgt Ion: 76 Resp: 27651

Ion	Ratio	Lower	Upper
76	100		
78	10.3	0.0	39.2

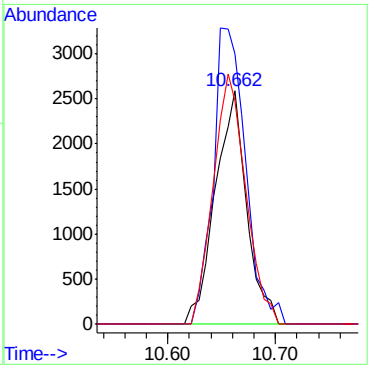




#50
trichloroethene
Concen: 1.46 ug/kg
RT: 10.662 min Scan# 940
Delta R.T. 0.006 min
Lab File: m62172.D
Acq: 14 Dec 2013 5:36 am

Tgt Ion: 95 Resp: 5285

Ion	Ratio	Lower	Upper
95	100		
130	115.7	88.4	148.4
132	95.5	77.7	137.7



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62172.D
Acq On : 14 Dec 2013 5:36 am
Operator : krystend
Sample : mc26923-13
Misc : MS30779,MSM2172,5.265,,,5,1
ALS Vial : 38 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131211S.M
Title : SW-846 Method 8260

Signal : TIC: m62172.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.010	83	101	195	rVB5	12226	198443	14.77%	2.846%
2	5.772	209	214	223	rBV3	2327	6078	0.45%	0.087%
3	5.886	223	231	247	rVV4	2268	7484	0.56%	0.107%
4	6.082	247	260	265	rVV4	1780	8099	0.60%	0.116%
5	6.270	277	288	293	rVB4	1721	6175	0.46%	0.089%
6	6.405	305	308	315	rBV3	2061	5535	0.41%	0.079%
7	6.506	315	323	365	rVV3	8060	80358	5.98%	1.152%
8	6.843	365	373	447	rVV2	48552	394525	29.36%	5.658%
9	7.402	447	456	483	rVB3	10853	44106	3.28%	0.632%
10	7.658	483	494	499	rBV5	3120	11550	0.86%	0.166%
11	8.412	585	606	609	rBV6	1985	8374	0.62%	0.120%
12	8.453	609	612	621	rVB5	3425	8273	0.62%	0.119%
13	8.796	645	663	667	rVB5	3244	15471	1.15%	0.222%
14	8.864	667	673	683	rVV4	3158	10530	0.78%	0.151%
15	8.985	683	691	711	rVV	168934	459610	34.21%	6.591%
16	9.147	711	715	735	rVV5	3465	17574	1.31%	0.252%
17	9.349	735	745	789	rVB	329617	826804	61.53%	11.857%
18	9.733	795	802	815	rBV6	4221	13521	1.01%	0.194%
19	10.224	863	875	917	rBV	440935	1000580	74.47%	14.349%
20	10.656	933	939	957	rVB4	14576	38407	2.86%	0.551%
21	11.370	1041	1045	1057	rVB2	2934	8539	0.64%	0.122%
22	12.036	1133	1144	1181	rVB	685820	1343660	100.00%	19.268%
23	12.474	1201	1209	1243	rBV6	17279	53450	3.98%	0.766%
24	12.771	1243	1253	1261	rVB3	1821	7136	0.53%	0.102%
25	12.879	1261	1269	1285	rVB4	2011	6307	0.47%	0.090%
26	13.350	1335	1339	1351	rBV3	2730	8874	0.66%	0.127%
27	13.505	1351	1362	1397	rVB	650130	1266174	94.23%	18.157%
28	13.754	1397	1399	1413	rBV4	2565	8518	0.63%	0.122%
29	13.970	1429	1431	1449	rBV4	2726	9120	0.68%	0.131%
30	14.132	1449	1455	1477	rVV8	3049	7147	0.53%	0.102%
31	14.731	1535	1544	1567	rBV	528778	977575	72.75%	14.019%
32	14.933	1567	1574	1583	rVB3	28775	64752	4.82%	0.929%
33	15.034	1583	1589	1617	rBV4	3252	23780	1.77%	0.341%
34	15.795	1697	1702	1717	rVB6	8300	26850	2.00%	0.385%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62172.D
Acq On : 14 Dec 2013 5:36 am
Operator : krystend
Sample : mc26923-13
Misc : MS30779,MSM2172,5.265,,,5,1
ALS Vial : 38 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131211S.M
Title : SW-846 Method 8260

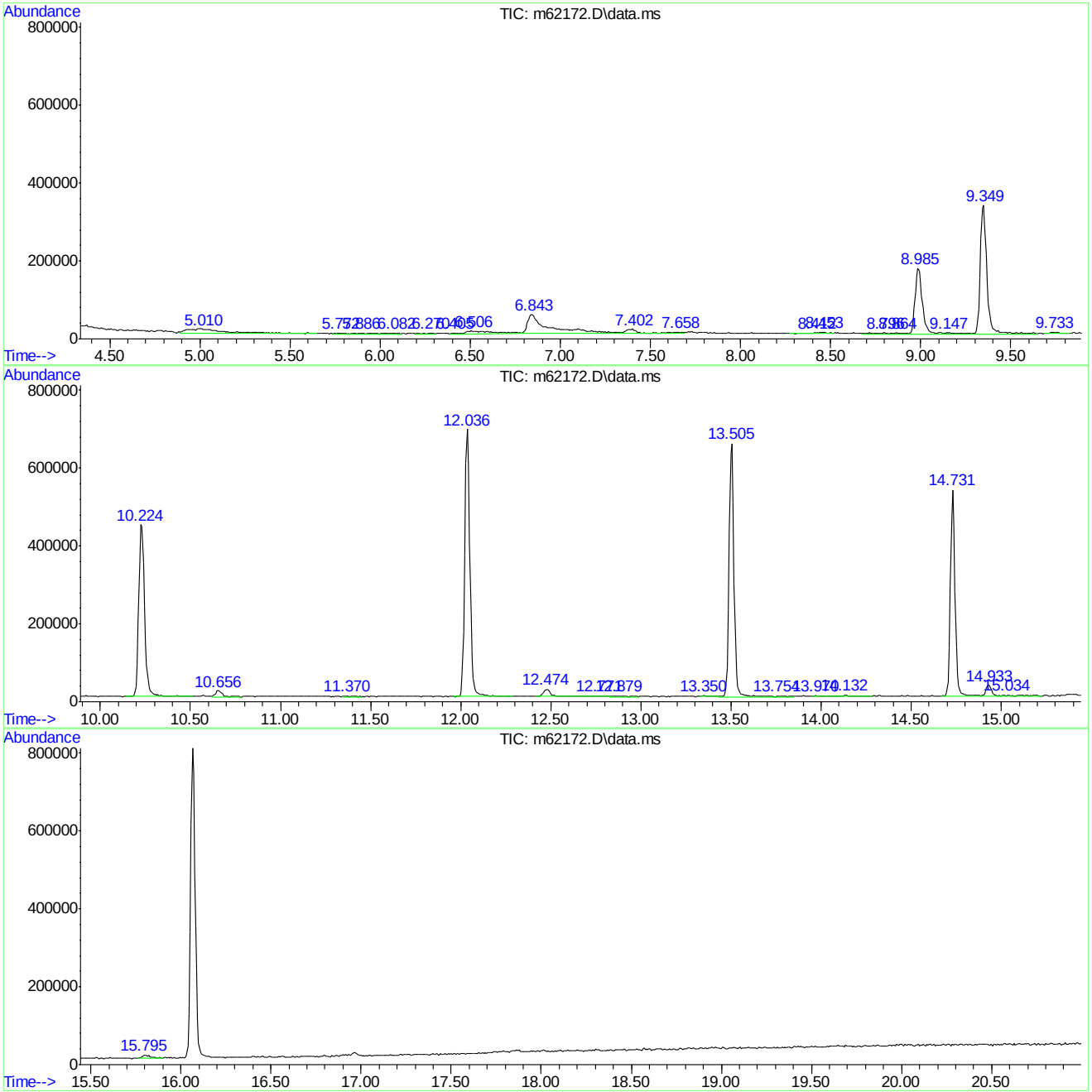
Sum of corrected areas: 6973379

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62172.D
Acq On : 14 Dec 2013 5:36 am
Operator : krystend
Sample : mc26923-13
Misc : MS30779,MSM2172,5.265,,,5,1
ALS Vial : 38 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62172.D
Acq On : 14 Dec 2013 5:36 am
Operator : krystend
Sample : mc26923-13
Misc : MS30779,MSM2172,5.265,,,5,1
ALS Vial : 38 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

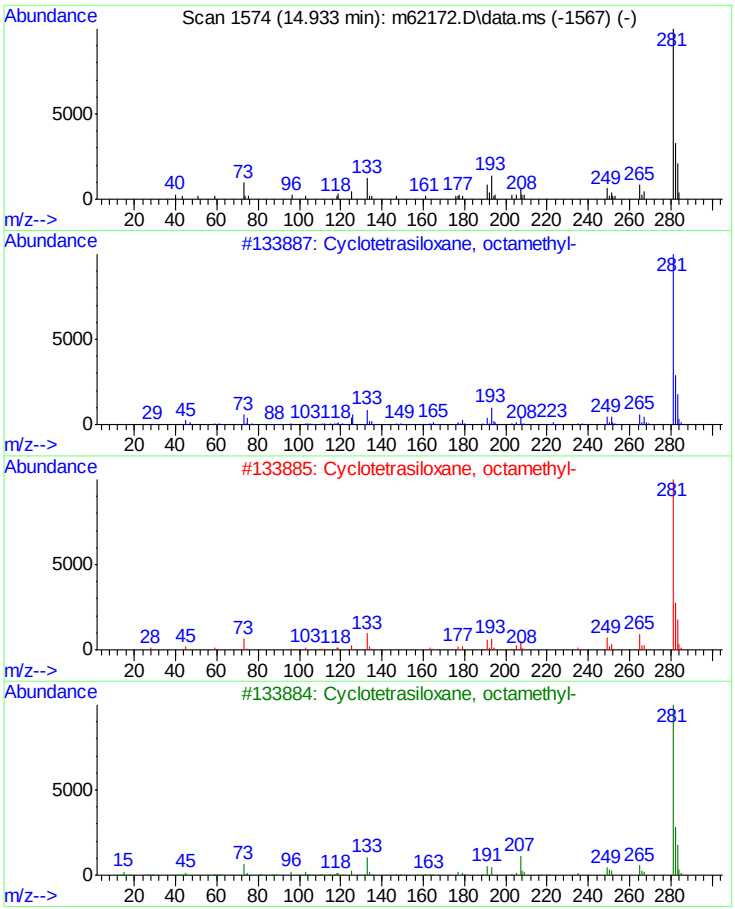
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

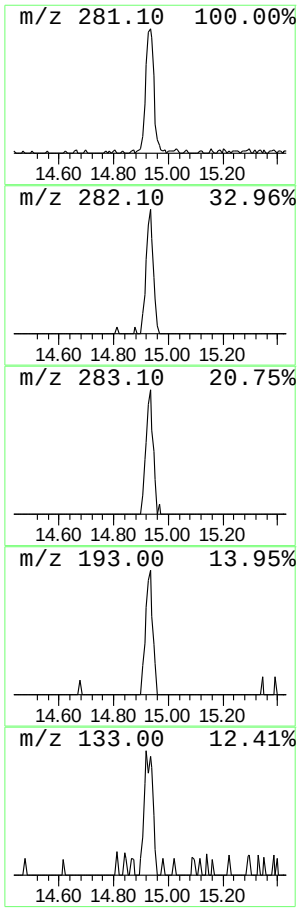
****

Peak Number 3 Cyclotetrasiloxane, octamet... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.933	120.58 ug/kg	64752	1,4-dichlorobenzene-d4	16.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	90
2	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	87
3	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	78
4	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	72
5	7H-Dibenzo[b,g]carbazole, 7-methyl-	281	C21H15N	003557-49-1	53





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62172.D
Acq On : 14 Dec 2013 5:36 am
Operator : krystend
Sample : mc26923-13
Misc : MS30779,MSM2172,5.265,,,5,1
ALS Vial : 38 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclotetrasilox...	14.933	120.6	ug/kg	64752	5	16.065	26850	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62173.D
Acq On : 14 Dec 2013 6:06 am
Operator : krystend
Sample : mc26923-14
Misc : MS30779,MSM2172,4.614,,,5,1
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Dec 16 09:21:21 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

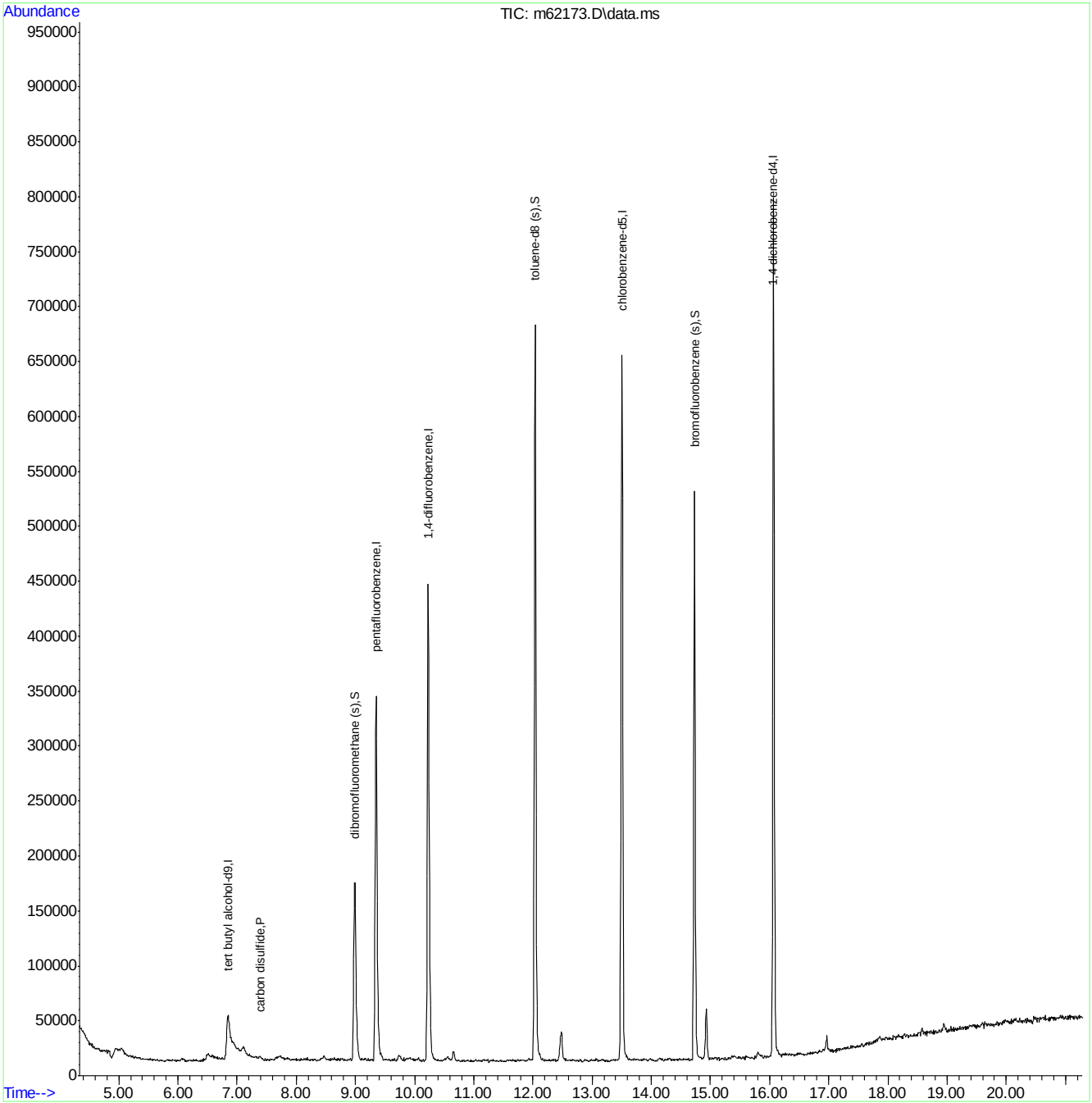
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.850	65	174381	500.00	ug/kg	0.01
4) pentafluorobenzene	9.349	168	300945	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	468285	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	199965	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	246786	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	144353	53.76	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.52%			
59) toluene-d8 (s)	12.037	98	509390	48.50	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.00%			
81) bromofluorobenzene (s)	14.731	95	199707	51.71	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.42%			
Target Compounds						Qvalue
24) carbon disulfide	7.388	76	6018	0.75	ug/kg	77

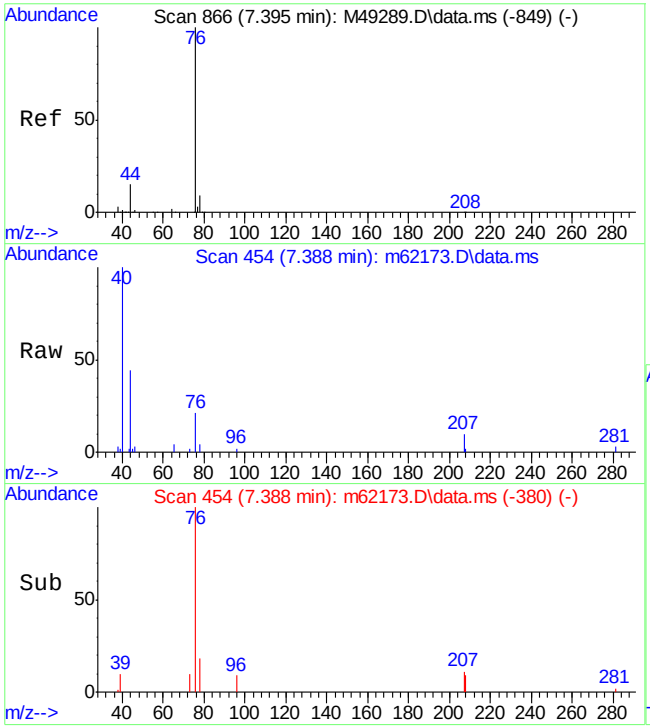
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62173.D
Acq On : 14 Dec 2013 6:06 am
Operator : krystend
Sample : mc26923-14
Misc : MS30779,MSM2172,4.614,,,5,1
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Dec 16 09:21:21 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

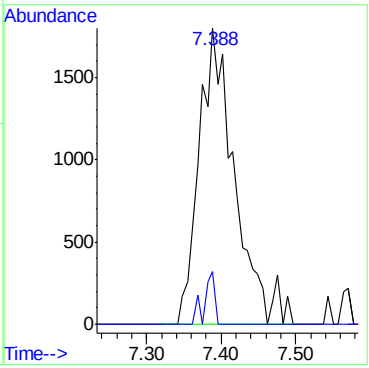




#24
carbon disulfide
Concen: 0.75 ug/kg
RT: 7.388 min Scan# 454
Delta R.T. 0.000 min
Lab File: m62173.D
Acq: 14 Dec 2013 6:06 am

Tgt Ion: 76 Resp: 6018

Ion	Ratio	Lower	Upper
76	100		
78	17.7	0.0	39.2



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62173.D
Acq On : 14 Dec 2013 6:06 am
Operator : krystend
Sample : mc26923-14
Misc : MS30779,MSM2172,4.614,,,5,1
ALS Vial : 39 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131211S.M
Title : SW-846 Method 8260

Signal : TIC: m62173.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.037	81	105	173	rVB6	11248	180201	12.08%	2.121%
2	5.832	215	223	231	rBV3	2359	7606	0.51%	0.090%
3	5.906	231	234	253	rVV5	2046	11012	0.74%	0.130%
4	6.082	253	260	269	rVV7	2963	11088	0.74%	0.130%
5	6.257	269	286	305	rVB5	2311	14505	0.97%	0.171%
6	6.506	311	323	365	rBV9	7201	81293	5.45%	0.957%
7	6.850	365	374	465	rVB2	41584	423663	28.39%	4.986%
8	7.604	465	486	487	rBV5	2050	10607	0.71%	0.125%
9	7.671	487	496	499	rBV6	3033	7502	0.50%	0.088%
10	8.183	515	572	583	rVB8	2768	17779	1.19%	0.209%
11	8.466	605	614	627	rBV8	4228	15826	1.06%	0.186%
12	8.985	683	691	729	rVB	162076	458828	30.75%	5.400%
13	9.349	737	745	781	rBV	332433	806230	54.03%	9.489%
14	9.733	795	802	813	rBV5	5201	16333	1.09%	0.192%
15	9.928	819	831	845	rBV9	2462	13117	0.88%	0.154%
16	10.063	845	851	865	rVB4	3871	12314	0.83%	0.145%
17	10.231	865	876	909	rBV	435073	992160	66.49%	11.677%
18	10.561	911	925	935	rVV9	4559	22678	1.52%	0.267%
19	10.649	935	938	957	rVB4	9300	26915	1.80%	0.317%
20	11.235	1011	1025	1029	rBV6	2393	9542	0.64%	0.112%
21	11.659	1071	1088	1097	rVB3	2362	14843	0.99%	0.175%
22	11.747	1097	1101	1123	rBV6	2478	16616	1.11%	0.196%
23	12.037	1133	1144	1167	rVB	669945	1315328	88.15%	15.481%
24	12.481	1201	1210	1263	rVB2	26811	96180	6.45%	1.132%
25	12.879	1263	1269	1279	rVB2	2155	7012	0.47%	0.083%
26	12.986	1279	1285	1295	rBV3	2109	8374	0.56%	0.099%
27	13.236	1319	1322	1335	rBV3	1700	6299	0.42%	0.074%
28	13.505	1351	1362	1415	rVB	641582	1227964	82.30%	14.452%
29	14.138	1445	1456	1467	rBV6	3157	14684	0.98%	0.173%
30	14.731	1533	1544	1567	rBV	518211	969333	64.96%	11.408%
31	14.933	1567	1574	1601	rVV	46965	112025	7.51%	1.318%
32	15.129	1601	1603	1625	rVB6	2395	10145	0.68%	0.119%
33	15.398	1625	1643	1671	rVB10	4171	37720	2.53%	0.444%
34	15.607	1671	1674	1693	rBV5	3681	19258	1.29%	0.227%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62173.D
Acq On : 14 Dec 2013 6:06 am
Operator : krystend
Sample : mc26923-14
Misc : MS30779,MSM2172,4.614,,,5,1
ALS Vial : 39 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131211S.M
Title : SW-846 Method 8260

35	15.802	1699	1703	1735	rBV5	4111	9572	0.64%	0.113%
36	16.065	1735	1742	1871	rBV	781153	1492115	100.00%	17.561%

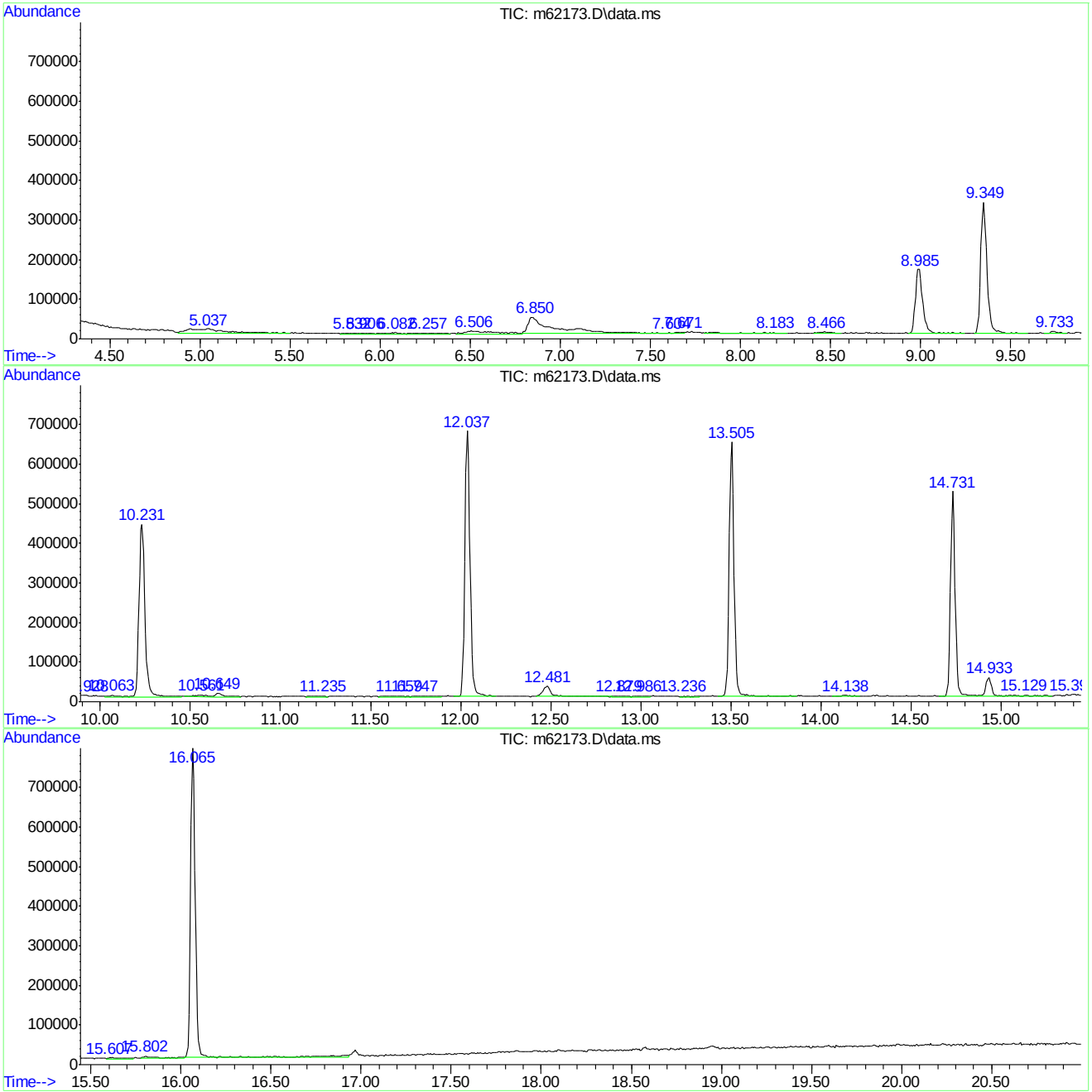
Sum of corrected areas: 8496667

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62173.D
Acq On : 14 Dec 2013 6:06 am
Operator : krystend
Sample : mc26923-14
Misc : MS30779,MSM2172,4.614,,,5,1
ALS Vial : 39 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62173.D
Acq On : 14 Dec 2013 6:06 am
Operator : krystend
Sample : mc26923-14
Misc : MS30779,MSM2172,4.614,,,5,1
ALS Vial : 39 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62173.D
Acq On : 14 Dec 2013 6:06 am
Operator : krystend
Sample : mc26923-14
Misc : MS30779,MSM2172,4.614,,,5,1
ALS Vial : 39 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62174.D
Acq On : 14 Dec 2013 6:36 am
Operator : krystend
Sample : mc26923-15
Misc : MS30779,MSM2172,4.616,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Dec 16 09:22:06 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

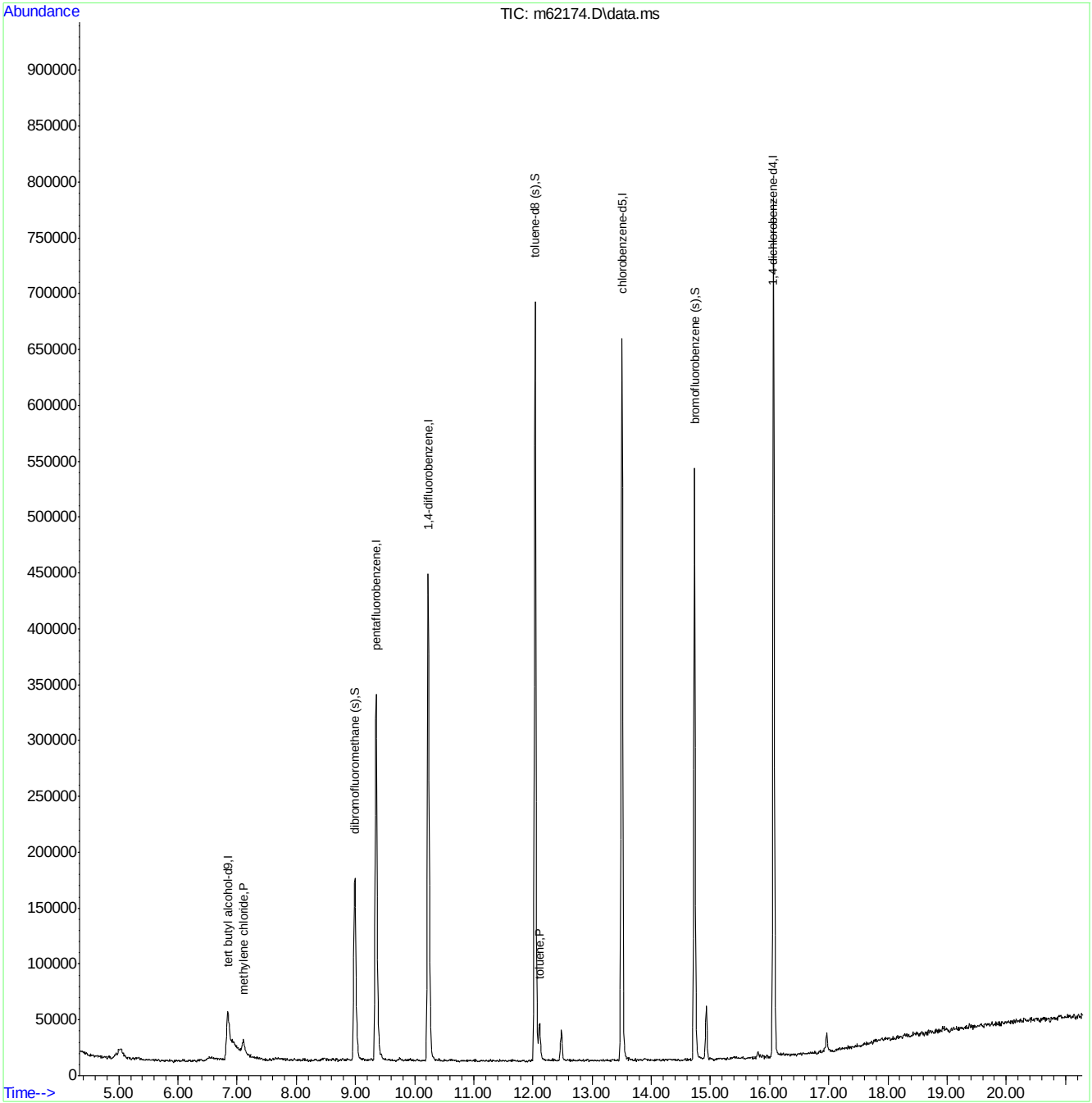
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	179267	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	296576	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	465308	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	197526	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	255295	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	143135	54.14	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.28%			
59) toluene-d8 (s)	12.036	98	510912	49.30	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.60%			
81) bromofluorobenzene (s)	14.731	95	200917	50.13	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.26%			
Target Compounds						Qvalue
18) methylene chloride	7.105	84	6432	2.12	ug/kg	85
61) toluene	12.117	92	14835	1.91	ug/kg	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

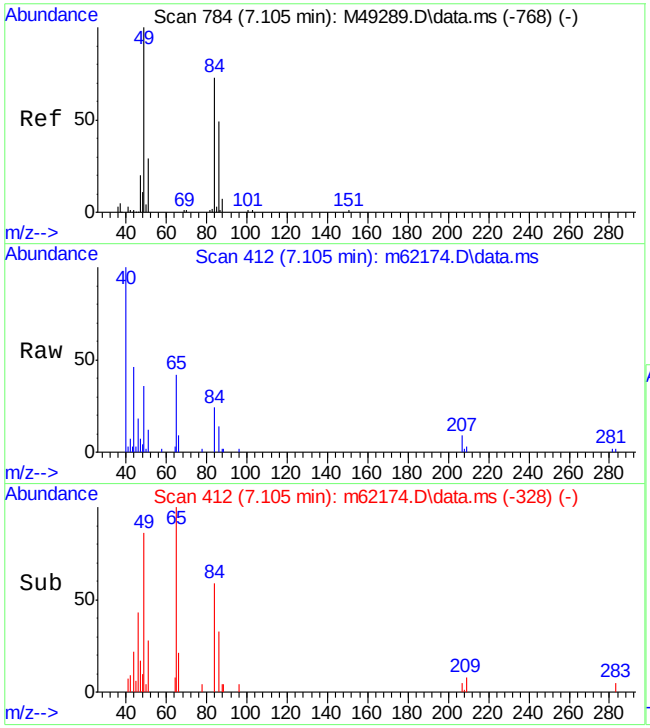
Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62174.D
Acq On : 14 Dec 2013 6:36 am
Operator : krystend
Sample : mc26923-15
Misc : MS30779,MSM2172,4.616,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Dec 16 09:22:06 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration



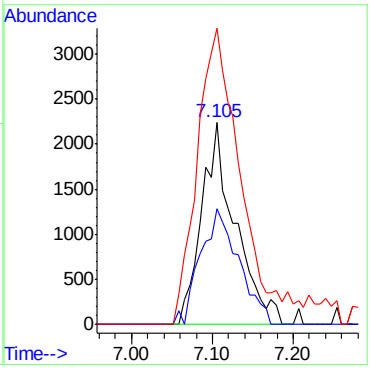
ACCUTEST LABORATORIES MC26923

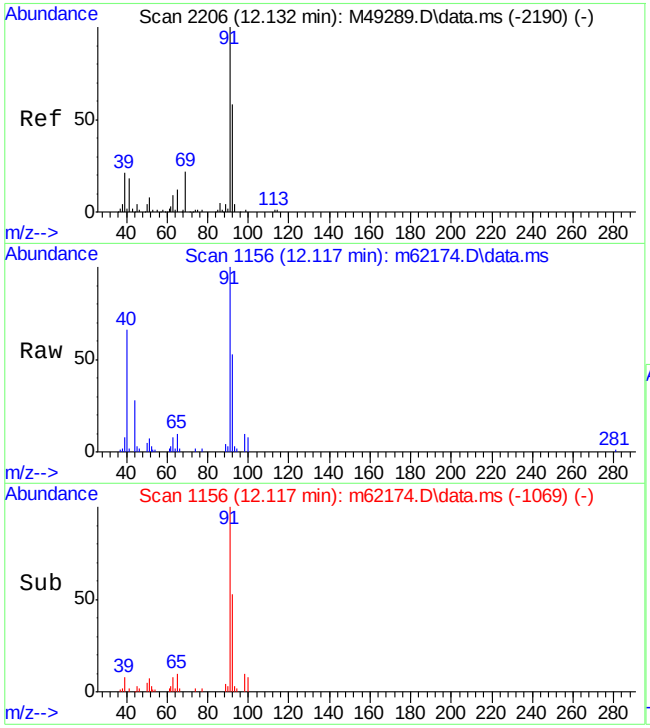


#18
methylene chloride
Concen: 2.12 ug/kg
RT: 7.105 min Scan# 412
Delta R.T. 0.006 min
Lab File: m62174.D
Acq: 14 Dec 2013 6:36 am

Tgt Ion: 84 Resp: 6432

Ion	Ratio	Lower	Upper
84	100		
86	57.1	37.8	97.8
49	146.3	137.0	197.0

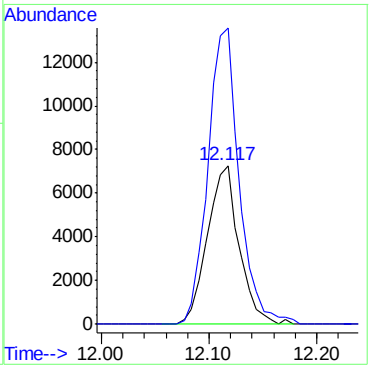




#61
toluene
Concen: 1.91 ug/kg
RT: 12.117 min Scan# 1156
Delta R.T. 0.006 min
Lab File: m62174.D
Acq: 14 Dec 2013 6:36 am

Tgt Ion: 92 Resp: 14835

Ion	Ratio	Lower	Upper
92	100		
91	187.0	143.8	203.8



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62174.D
Acq On : 14 Dec 2013 6:36 am
Operator : krystend
Sample : mc26923-15
Misc : MS30779,MSM2172,4.616,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131211S.M
Title : SW-846 Method 8260

Signal : TIC: m62174.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.024	85	103	131	rVB9	9790	83934	5.18%	1.002%
2	5.974	237	244	253	rBV3	2423	9994	0.62%	0.119%
3	6.081	255	260	285	rVB4	2140	13269	0.82%	0.158%
4	6.391	293	306	315	rBV4	1960	7520	0.46%	0.090%
5	6.566	315	332	349	rBV10	3844	30618	1.89%	0.366%
6	6.843	361	373	475	rVB2	44128	426173	26.29%	5.089%
7	8.473	603	615	633	rVB5	2770	18314	1.13%	0.219%
8	8.628	633	638	643	rBV3	2599	5639	0.35%	0.067%
9	8.682	643	646	665	rVB4	2495	12769	0.79%	0.152%
10	8.864	665	673	683	rBV6	2882	10683	0.66%	0.128%
11	8.992	683	692	709	rBV	163149	442769	27.32%	5.288%
12	9.349	737	745	787	rVB	328455	808616	49.89%	9.657%
13	9.746	795	804	827	rBV3	4003	20951	1.29%	0.250%
14	9.928	827	831	843	rVB6	2217	6463	0.40%	0.077%
15	10.231	867	876	923	rBV	436391	984312	60.73%	11.755%
16	11.012	963	992	993	rVB4	1844	9109	0.56%	0.109%
17	11.161	1003	1014	1017	rBV2	1649	5089	0.31%	0.061%
18	11.646	1053	1086	1087	rBV2	2053	10331	0.64%	0.123%
19	11.740	1087	1100	1107	rVB3	1342	5229	0.32%	0.062%
20	12.036	1133	1144	1199	rBV	680215	1405370	86.71%	16.783%
21	12.481	1203	1210	1229	rBV	28140	62686	3.87%	0.749%
22	13.505	1353	1362	1393	rBV	646703	1236698	76.30%	14.769%
23	14.731	1535	1544	1567	rBV	530387	977406	60.30%	11.672%
24	14.933	1567	1574	1593	rVB	49378	110328	6.81%	1.318%
25	15.128	1593	1603	1625	rBV5	2760	23997	1.48%	0.287%
26	15.802	1697	1703	1723	rVB6	5661	18820	1.16%	0.225%
27	15.950	1723	1725	1731	rVB3	3071	5819	0.36%	0.069%
28	16.065	1731	1742	1869	rBV	770269	1620830	100.00%	19.356%

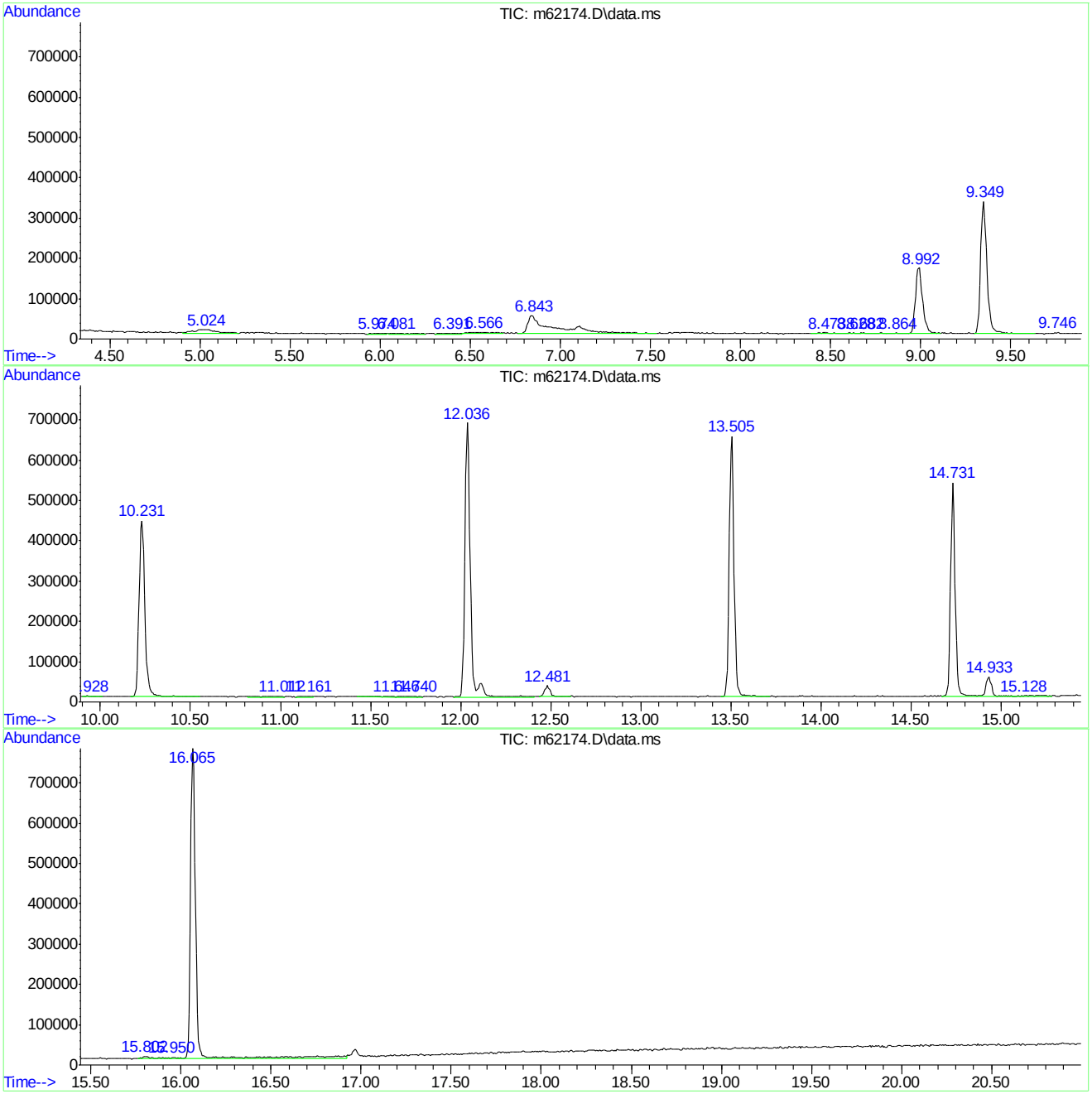
Sum of corrected areas: 8373736

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62174.D
Acq On : 14 Dec 2013 6:36 am
Operator : krystend
Sample : mc26923-15
Misc : MS30779,MSM2172,4.616,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62174.D
Acq On : 14 Dec 2013 6:36 am
Operator : krystend
Sample : mc26923-15
Misc : MS30779,MSM2172,4.616,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62174.D
Acq On : 14 Dec 2013 6:36 am
Operator : krystend
Sample : mc26923-15
Misc : MS30779,MSM2172,4.616,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/10/13 10:40

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16656.D
Acq On : 9 Dec 2013 10:24 am
Operator : garyk
Sample : mb
Misc : ms30714,msu797,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 11:55:15 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

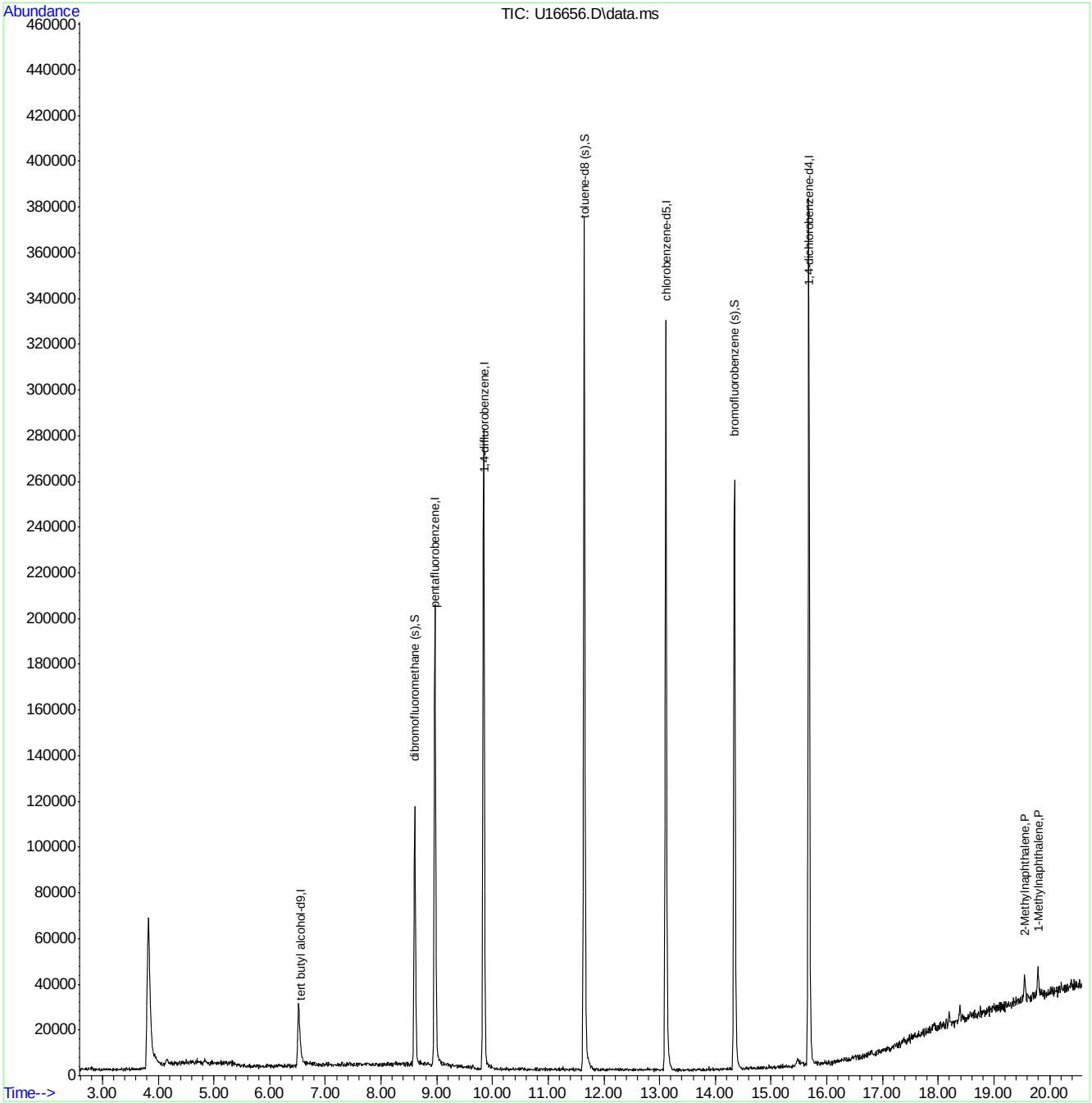
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.554	65	53370m	500.00	ppb	0.00
4) pentafluorobenzene	8.970	168	146678	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.845	114	225754	50.00	ppb	0.00
66) chlorobenzene-d5	13.114	82	111638	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.680	152	109930	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.605	113	69249	61.38	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 122.76%			
60) toluene-d8 (s)	11.650	98	261670	56.22	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.44%			
82) bromofluorobenzene (s)	14.344	95	101981	53.34	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.68%			
Target Compounds						Qvalue
103) 2-Methylnaphthalene	19.554	142	7710	3.09	ug/L	94
104) 1-Methylnaphthalene	19.793	142	7584	3.91	ug/L	95

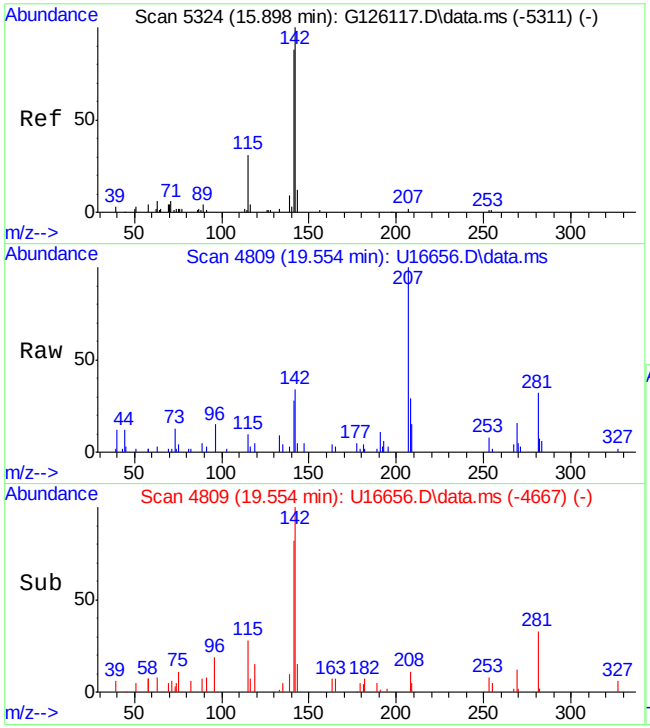
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16656.D
Acq On : 9 Dec 2013 10:24 am
Operator : garyk
Sample : mb
Misc : ms30714,msu797,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 11:55:15 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

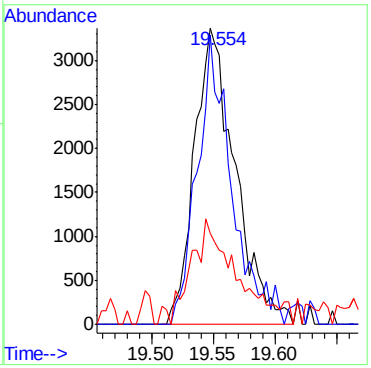


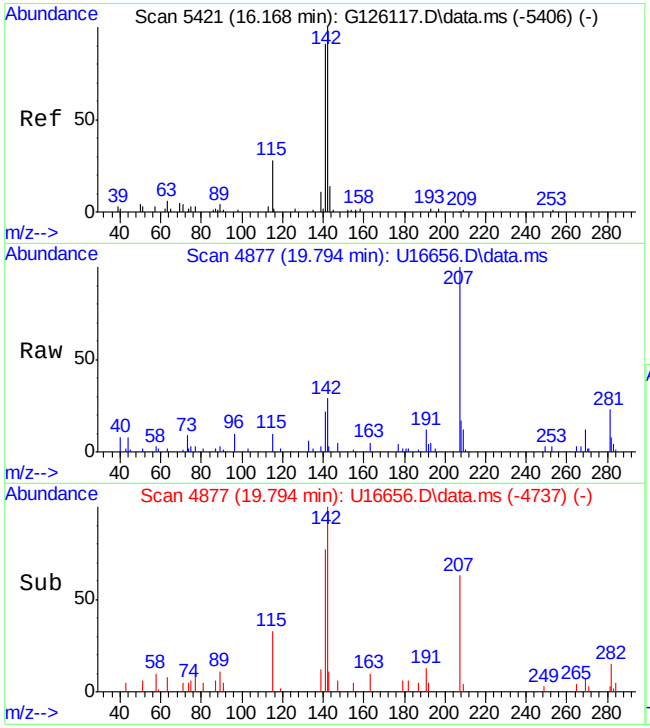


#103
2-Methylnaphthalene
Concen: 3.09 ug/L
RT: 19.554 min Scan# 4809
Delta R.T. 0.000 min
Lab File: U16656.D
Acq: 9 Dec 2013 10:24 am

Tgt Ion:142 Resp: 7710

Ion	Ratio	Lower	Upper
142	100		
141	83.1	67.9	107.9
115	40.7	15.5	55.5

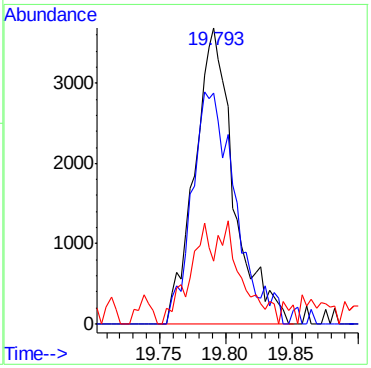




#104
1-Methylnaphthalene
Concen: 3.91 ug/L
RT: 19.793 min Scan# 4877
Delta R.T. -0.006 min
Lab File: U16656.D
Acq: 9 Dec 2013 10:24 am

Tgt Ion:142 Resp: 7584

Ion	Ratio	Lower	Upper
142	100		
141	86.9	72.6	108.8
115	40.7	29.2	43.8



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U131209\
Data File : U16656.D
Acq On : 9 Dec 2013 10:24 am
Operator : garyk
Sample : mb
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U131017W.m
Title : SW-846 Method 8260

Signal : TIC: U16656.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.519	1088	1115	1153	rBV	27595	90732	12.50%	2.334%
2	8.604	1688	1706	1748	rBV2	113480	231737	31.93%	5.960%
3	8.964	1793	1808	1873	rBV	201647	405381	55.86%	10.426%
4	9.839	2023	2056	2113	rBV2	280796	547076	75.38%	14.070%
5	11.646	2533	2568	2653	rVB	373579	725716	100.00%	18.665%
6	13.111	2953	2983	3028	rBV2	328515	632458	87.15%	16.266%
7	14.342	3313	3332	3383	rBV	258252	510361	70.33%	13.126%
8	15.676	3688	3710	3753	rBV2	379054	686329	94.57%	17.652%
9	17.924	4298	4347	4378	rBV2	6466	58346	8.04%	1.501%

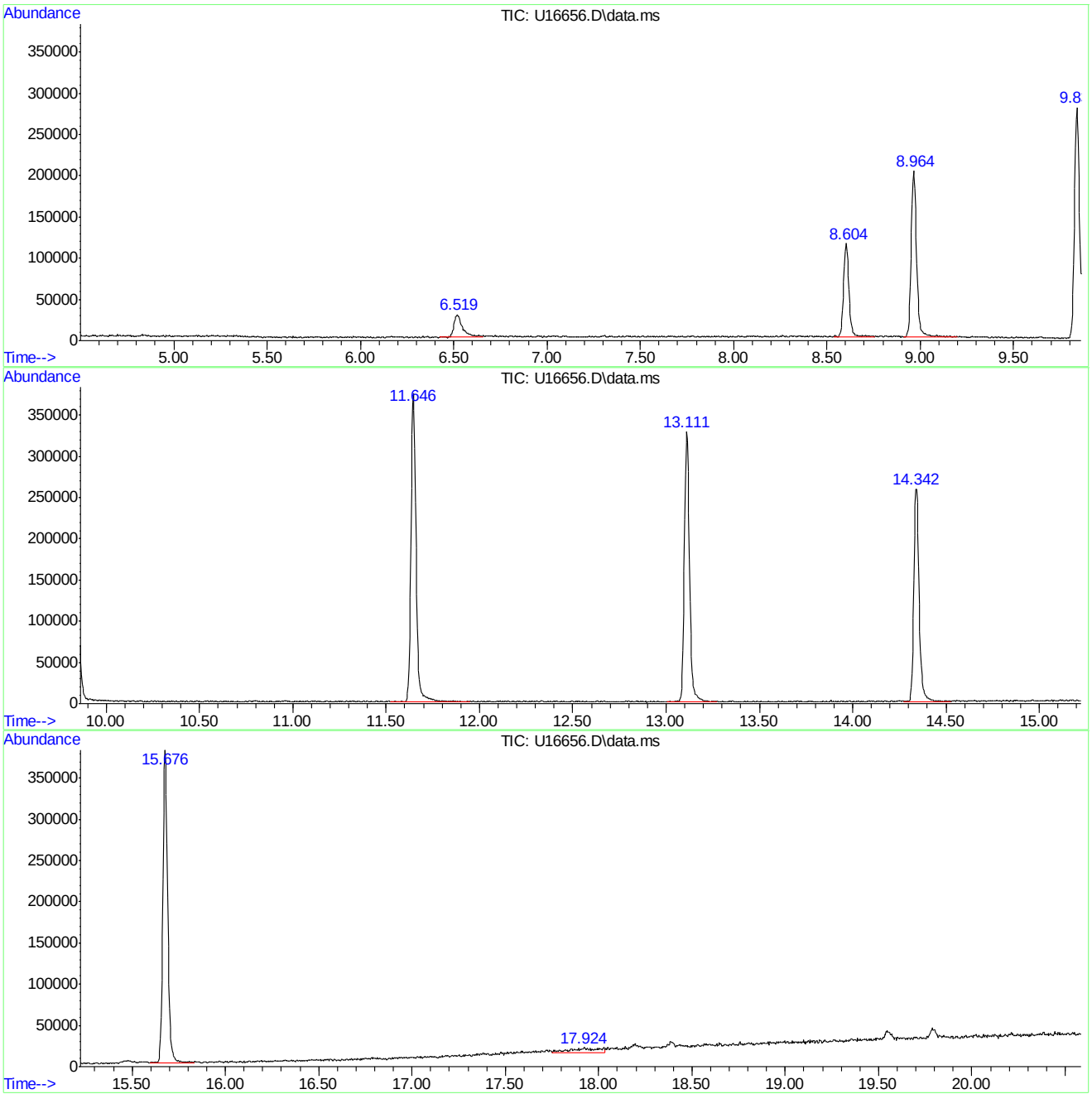
Sum of corrected areas: 3888136

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U131209\
Data File : U16656.D
Acq On : 9 Dec 2013 10:24 am
Operator : garyk
Sample : mb
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



ACCUTEST LABORATORIES MC26923

Library Search Compound Report

Data Path : D:\msdchem\1\data\U131209\
Data File : U16656.D
Acq On : 9 Dec 2013 10:24 am
Operator : garyk
Sample : mb
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U131209\
Data File : U16656.D
Acq On : 9 Dec 2013 10:24 am
Operator : garyk
Sample : mb
Misc : ms30722tic,msu797,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/10/13 14:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83095.D
Acq On : 10 Dec 2013 12:39 pm
Operator : jaclynb
Sample : mb
Misc : ms30713,MSN3101,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 10 14:02:50 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

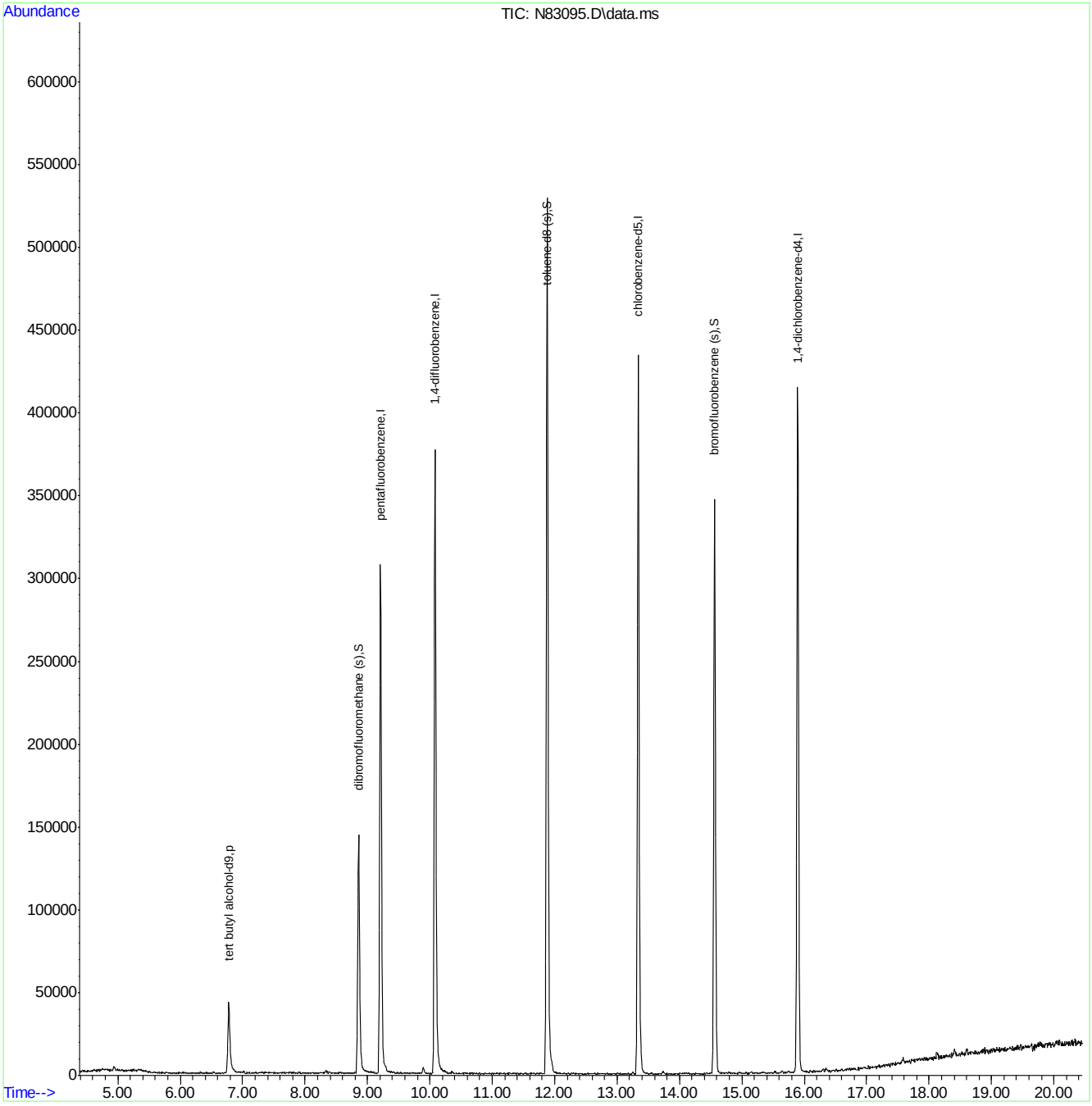
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.773	65	65472m	500.00	ug/L	0.00
4) pentafluorobenzene	9.209	168	220994	50.00	ug/L	0.00
43) 1,4-difluorobenzene	10.086	114	319567	50.00	ug/L	0.00
66) chlorobenzene-d5	13.338	82	163929	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.898	152	120610	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.859	113	94559	43.78	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.56%			
60) toluene-d8 (s)	11.878	98	383913	49.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.50%			
82) bromofluorobenzene (s)	14.562	95	137490	53.94	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.88%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83095.D
Acq On : 10 Dec 2013 12:39 pm
Operator : jaclynb
Sample : mb
Misc : ms30713,MSN3101,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 10 14:02:50 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC26923

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62166.D
Acq On : 14 Dec 2013 2:40 am
Operator : krystend
Sample : mb
Misc : MS30779,MSM2172,5,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 16 09:13:05 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

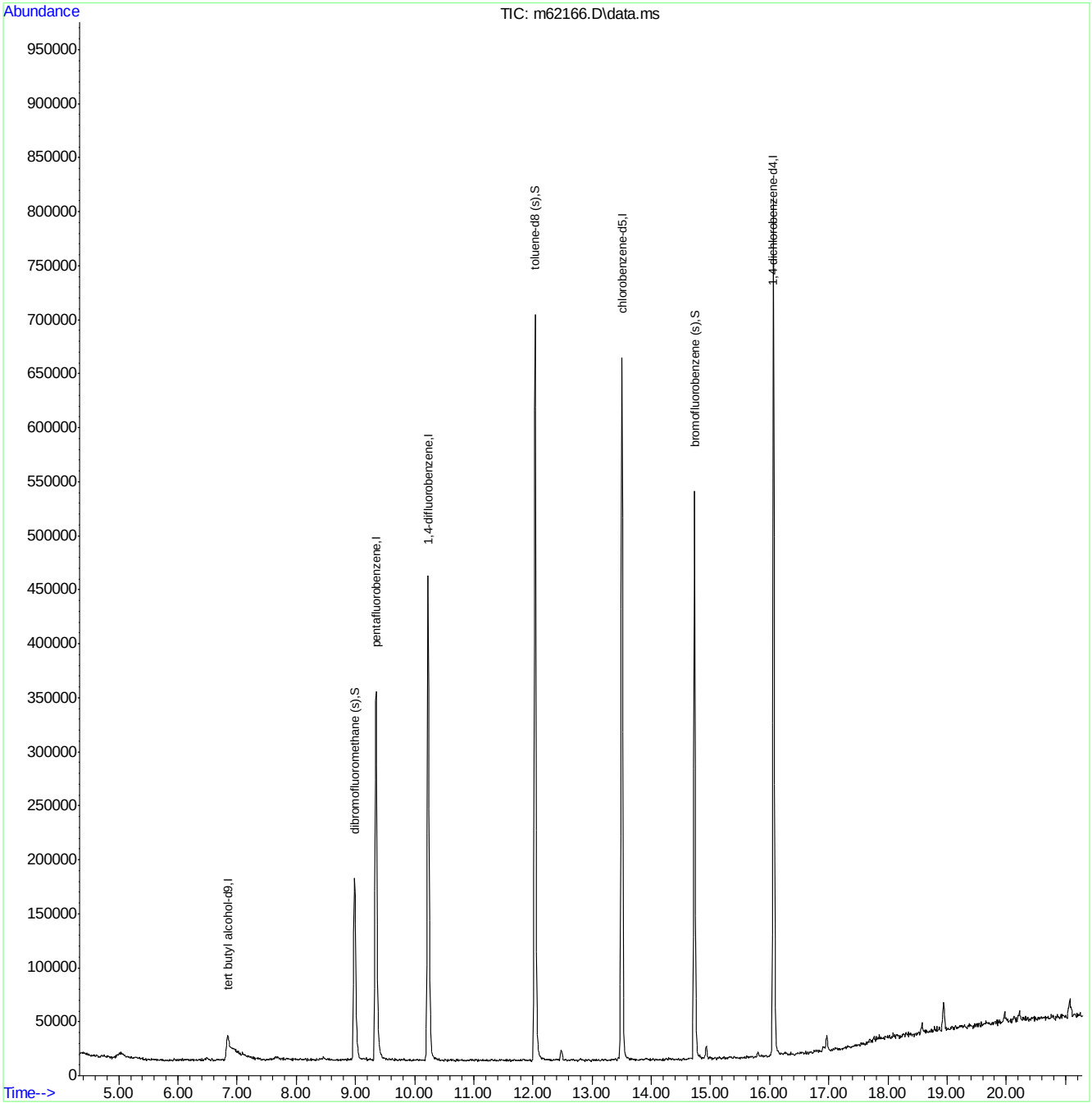
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	111612	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	306885	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	485056	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	203272	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	253537	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	147932	54.06	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.12%			
59) toluene-d8 (s)	12.036	98	528857	48.69	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.38%			
81) bromofluorobenzene (s)	14.731	95	200451	50.39	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.78%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62166.D
Acq On : 14 Dec 2013 2:40 am
Operator : krystend
Sample : mb
Misc : MS30779,MSM2172,5,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 16 09:13:05 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC26923

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62166.D
Acq On : 14 Dec 2013 2:40 am
Operator : krystend
Sample : mb
Misc : MS30779,MSM2172,5,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131211S.M
Title : SW-846 Method 8260

Signal : TIC: m62166.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.933	233	238	245	rBV3	2603	5766	0.38%	0.064%
2	6.486	307	320	341	rVB4	3093	18775	1.22%	0.209%
3	6.695	341	351	361	rBV4	2109	9783	0.64%	0.109%
4	6.843	361	373	441	rVV2	23696	242515	15.80%	2.704%
5	7.557	467	479	483	rBV2	2192	7680	0.50%	0.086%
6	7.678	483	497	517	rVB3	3180	21065	1.37%	0.235%
7	7.948	535	537	549	rBV3	2751	10249	0.67%	0.114%
8	8.069	549	555	571	rVB4	2911	15153	0.99%	0.169%
9	8.459	609	613	659	rVB7	3884	18636	1.21%	0.208%
10	8.985	683	691	737	rVB	169100	469029	30.55%	5.231%
11	9.349	737	745	783	rBV	341599	829649	54.04%	9.252%
12	9.813	799	814	823	rVB3	2085	7939	0.52%	0.089%
13	10.224	867	875	901	rBV	449392	1013693	66.03%	11.305%
14	10.736	945	951	969	rBV3	1888	11224	0.73%	0.125%
15	11.019	991	993	1017	rBV3	1734	5412	0.35%	0.060%
16	11.437	1051	1055	1083	rVB4	2810	18837	1.23%	0.210%
17	11.679	1085	1091	1107	rVV3	1527	6275	0.41%	0.070%
18	12.036	1135	1144	1175	rBV	691808	1387278	90.36%	15.471%
19	12.346	1187	1190	1205	rBV3	1610	7704	0.50%	0.086%
20	12.474	1205	1209	1231	rVB5	9976	28488	1.86%	0.318%
21	12.804	1251	1258	1269	rVB4	3215	11607	0.76%	0.129%
22	13.007	1285	1288	1295	rBV3	2404	6159	0.40%	0.069%
23	13.505	1349	1362	1395	rVB	650357	1258715	81.99%	14.037%
24	13.923	1417	1424	1431	rBV5	1765	5813	0.38%	0.065%
25	14.731	1533	1544	1567	rBV	525260	948066	61.76%	10.573%
26	14.926	1567	1573	1627	rVB6	12314	48925	3.19%	0.546%
27	15.324	1627	1632	1671	rBV6	2854	28237	1.84%	0.315%
28	15.802	1699	1703	1731	rBV6	5383	21273	1.39%	0.237%
29	16.065	1735	1742	1863	rVV	794522	1535197	100.00%	17.120%
30	18.578	1871	2115	2163	rBV	23512	967981	63.05%	10.795%

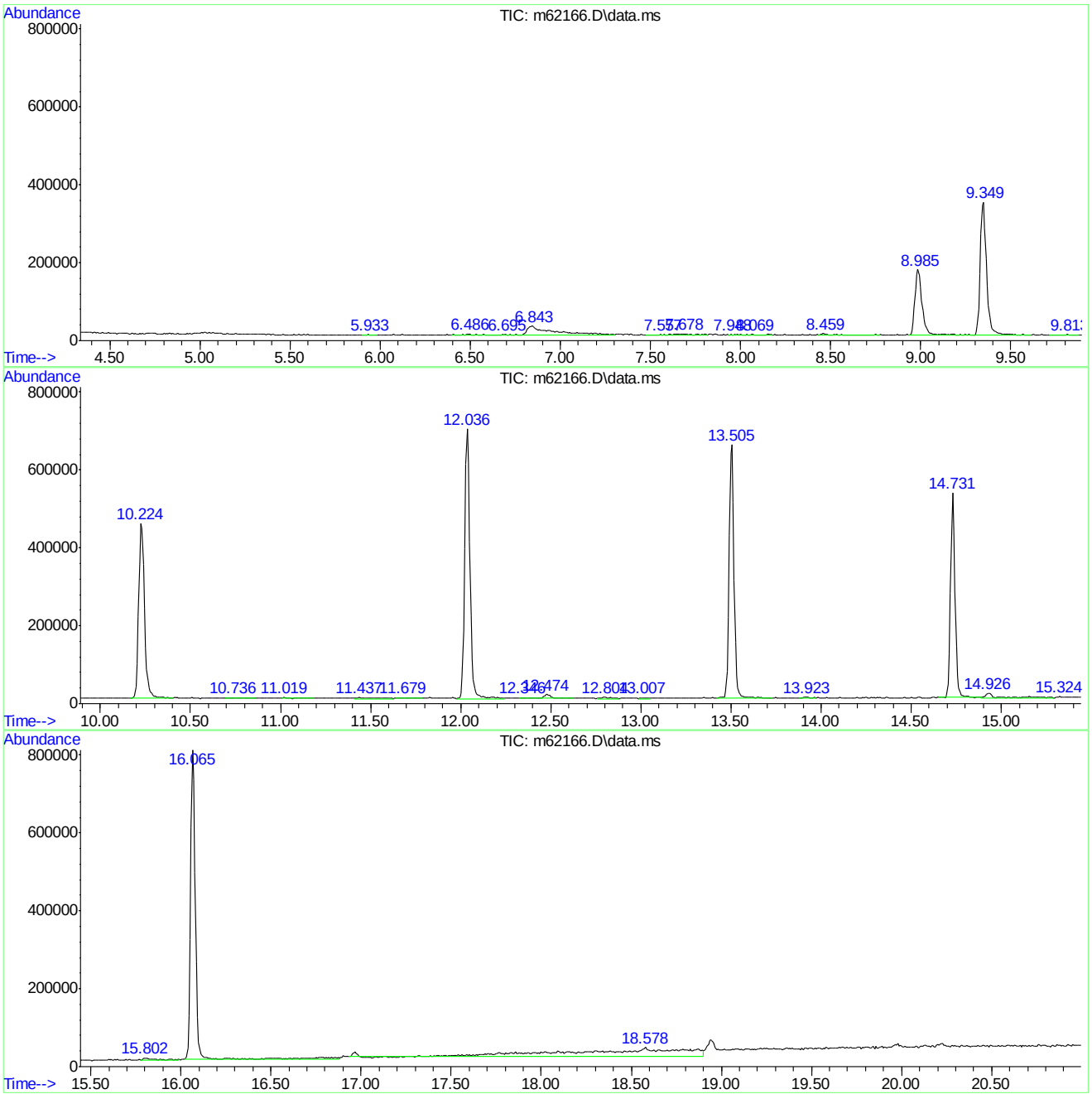
Sum of corrected areas: 8967123

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62166.D
Acq On : 14 Dec 2013 2:40 am
Operator : krystend
Sample : mb
Misc : MS30779,MSM2172,5,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



ACCUTEST LABORATORIES MC26923

Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62166.D
Acq On : 14 Dec 2013 2:40 am
Operator : krystend
Sample : mb
Misc : MS30779,MSM2172,5,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62166.D
Acq On : 14 Dec 2013 2:40 am
Operator : krystend
Sample : mb
Misc : MS30779,MSM2172,5,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
12/10/13 10:40

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16653.D
Acq On : 9 Dec 2013 9:02 am
Operator : garyk
Sample : bs
Misc : ms30714,msu797,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 11:51:10 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.547	65	52546m	500.00	ppb		0.00
4) pentafluorobenzene	8.966	168	151058	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.842	114	231886	50.00	ppb		0.00
66) chlorobenzene-d5	13.109	82	115161	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.675	152	114560	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.602	113	70454	60.63	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 121.26%				
60) toluene-d8 (s)	11.646	98	271539	56.80	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 113.60%				
82) bromofluorobenzene (s)	14.339	95	103260	51.83	ppb		-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.66%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.259	59	69499	694.39	ppb		91
3) Ethanol	5.496	45	88069	5705.70	ppb	#	39
5) dichlorodifluoromethane	4.244	85	64609	46.17	ppb		97
6) chloromethane	4.522	50	138856	67.44	ppb		96
7) vinyl chloride	4.746	62	96643	47.85	ppb		97
8) bromomethane	5.243	96	44511	51.80	ppb		96
9) chloroethane	5.386	64	53975	62.35	ppb		98
10) ethyl ether	6.259	59	69499	51.79	ppb		99
11) acetonitrile	5.925	41	20965	91.09	ppb		81
12) trichlorofluoromethane	6.040	101	106674	51.65	ppb		96
13) freon-113	6.804	101	63435	52.70	ppb		93
14) acrolein	6.023	56	5866	25.27	ppb		57
15) 1,1-dichloroethene	6.603	96	61592	53.13	ppb		95
16) acetone	6.148	58	10290m	43.40	ppb		
17) Methyl Acetate	6.792	43	86839	46.86	ppb	#	93
18) methylene chloride	6.753	84	74059	50.87	ppb		89
19) methyl tert butyl ether	7.557	73	187974	44.88	ppb		88
20) acrylonitrile	6.662	53	67753	104.65	ppb		91
21) allyl chloride	6.849	41	154925	56.63	ppb		96
22) trans-1,2-dichloroethene	7.445	96	71646	53.08	ppb		98
23) iodomethane	6.663	142	102438	48.85	ppb		95
24) carbon disulfide	7.040	76	213802	51.74	ppb		97
25) propionitrile	8.070	54	7778	60.23	ppb		100
26) vinyl acetate	7.804	43	205775	60.74	ppb		99
27) chloroprene	8.068	53	152590	59.49	ppb		95
28) di-isopropyl ether	8.116	45	356204	58.05	ppb		97
29) methacrylonitrile	8.226	41	60857	56.01	ppb		95
30) 2-butanone	8.121	72	9269	46.95	ppb	#	40
31) Ethyl Acetate	8.106	43	306249	56.80	ug/L		97
32) Hexane	8.093	41	158370	56.36	ppb		93
33) 1,1-dichloroethane	7.703	63	158854	55.72	ppb		99
34) tert-butyl ethyl ether	8.518	59	276154	52.04	ppb		97
35) isobutyl alcohol	8.538	43	53166	276.02	ppb	#	60
36) 2,2-dichloropropane	8.569	77	90321	51.16	ppb		96

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16653.D
Acq On : 9 Dec 2013 9:02 am
Operator : garyk
Sample : bs
Misc : ms30714,msu797,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 11:51:10 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.275	96	78981	51.61	ppb		98
38)	bromochloromethane	8.442	128	37384	56.25	ppb		88
39)	chloroform	10.318	83	106507	51.70	ppb		99
41)	Tetrahydrofuran	8.819	42	27339	51.20	ppb		94
42)	1,1,1-trichloroethane	9.243	97	112201	54.51	ppb		92
44)	Cyclohexane	9.526	56	161492	56.31	ppb		95
45)	carbon tetrachloride	9.606	117	90922	54.37	ppb		99
46)	1,1-dichloropropene	9.412	75	102709	55.22	ppb		95
47)	benzene	9.640	78	308512	56.22	ppb		95
48)	1,2-dichloroethane	9.136	62	110705	53.02	ppb		100
49)	tert-amyl methyl ether	9.768	73	207487	49.15	ppb		92
50)	heptane	9.766	43	98695	58.31	ppb		96
51)	trichloroethene	10.263	95	81850	49.95	ppb		96
52)	1,2-dichloropropane	10.229	63	95135	56.29	ppb		98
53)	dibromomethane	10.202	93	49170	55.31	ppb		95
54)	bromodichloromethane	10.318	83	106507	54.65	ppb		99
55)	Methylcyclohexane	10.787	83	136052	59.11	ppb		96
56)	2-chloroethyl vinyl ether	10.698	63	50280	58.82	ppb		98
57)	methyl methacrylate	10.418	69	45161	51.08	ppb		90
58)	1,4-dioxane	10.429	88	2090	159.63	ppb	#	56
59)	cis-1,3-dichloropropene	10.940	75	126584	47.86	ppb		99
61)	4-methyl-2-pentanone	11.044	43	90482	52.85	ppb		95
62)	toluene	11.719	92	183864	53.24	ppb		98
63)	trans-1,3-dichloropropene	11.361	75	112173	49.77	ppb		96
64)	1,1,2-trichloroethane	11.534	83	58891	54.02	ppb		96
65)	ethyl methacrylate	11.743	69	89336	48.11	ppb		86
67)	tetrachloroethene	12.462	166	82036	59.05	ppb		96
68)	1,3-dichloropropane	11.771	76	111283	54.68	ppb		98
69)	dibromochloromethane	12.061	129	74031	53.70	ppb		96
70)	1,2-dibromoethane	12.313	107	68648	54.83	ppb		93
71)	2-hexanone	11.915	43	76039	53.17	ppb		98
72)	chlorobenzene	13.144	112	202847	54.84	ppb		97
73)	1,1,1,2-tetrachloroethane	13.063	131	74498	58.56	ppb		99
74)	ethylbenzene	13.320	91	361958	55.11	ppb		97
75)	m,p-xylene	13.505	106	270733	106.92	ppb		95
76)	o-xylene	13.918	106	133101	53.25	ppb		100
77)	styrene	13.845	104	221157	55.77	ppb		99
78)	bromoform	13.671	173	50041	49.83	ppb		96
79)	trans-1,4-dichloro-2-b...	14.073	53	14686	22.86	ppb	#	23
81)	isopropylbenzene	14.282	105	353842	55.47	ppb		99
83)	bromobenzene	14.570	156	96444	57.03	ppb		86
84)	1,1,2,2-tetrachloroethane	13.923	83	87589	64.49	ppb		99
85)	1,2,3-trichloropropane	14.073	75	81240	39.03	ppb		100
86)	n-propylbenzene	14.729	91	418358	52.51	ppb		99
87)	2-chlorotoluene	14.846	91	255037	50.89	ppb		95
88)	4-chlorotoluene	14.923	91	265845	51.38	ppb		99
89)	1,3,5-trimethylbenzene	15.006	105	302248	52.90	ppb		95
90)	tert-butylbenzene	15.312	91	174777	51.35	ppb		98
91)	1,2,4-trimethylbenzene	15.416	105	298326	51.66	ppb		98
92)	sec-butylbenzene	15.535	105	402794	54.50	ppb		98

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16653.D
Acq On : 9 Dec 2013 9:02 am
Operator : garyk
Sample : bs
Misc : ms30714,msu797,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 11:51:10 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

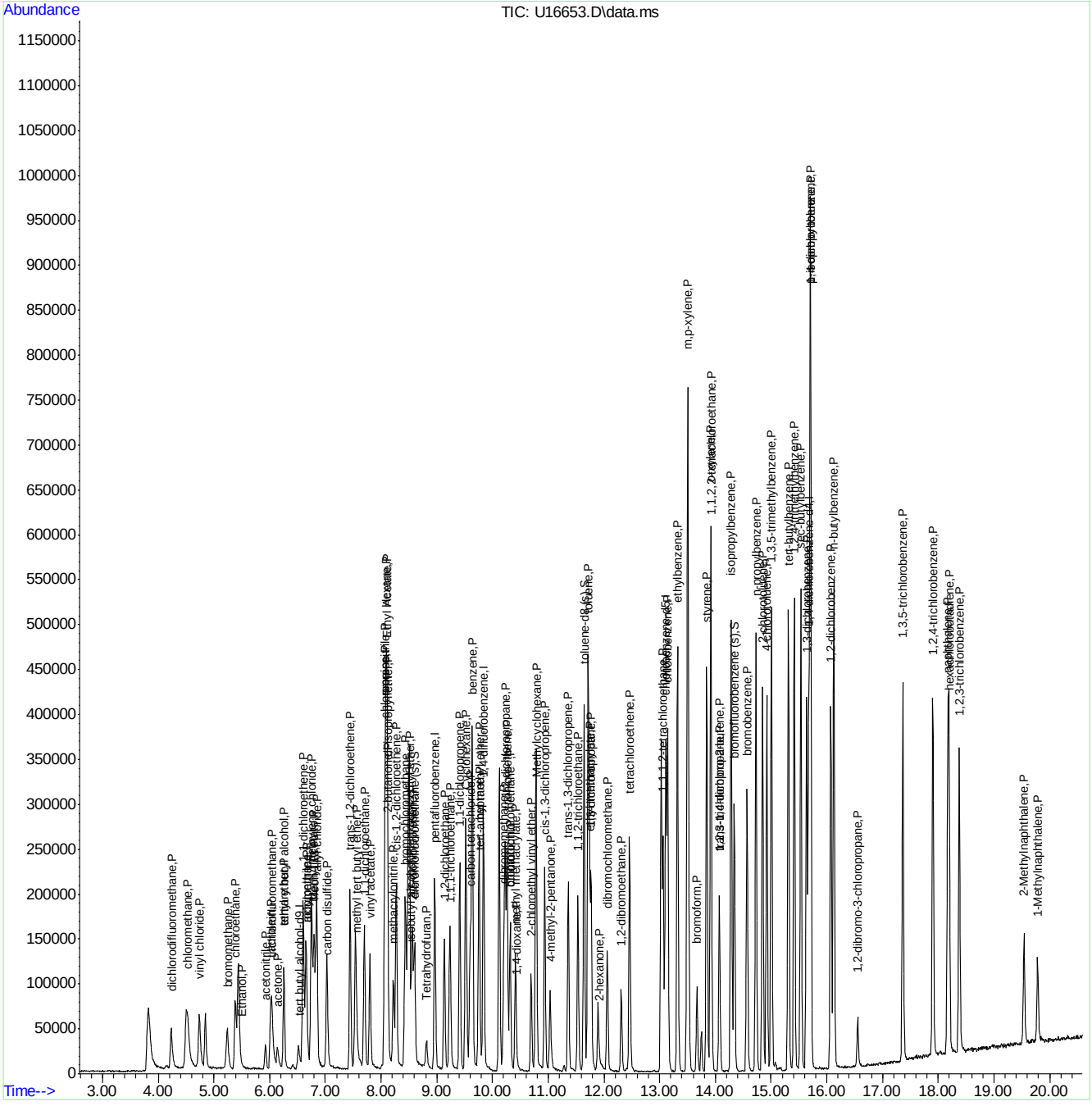
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.637	146	186248	54.09	ppb	96
94)	p-isopropyltoluene	15.708	119	329303	56.15	ppb	98
95)	1,4-dichlorobenzene	15.704	146	188130	54.57	ppb	98
96)	1,2-dichlorobenzene	16.073	146	180245	52.47	ppb	97
97)	n-butylbenzene	16.127	91	329198	53.76	ppb	98
98)	1,2-dibromo-3-chloropr...	16.555	75	15701	43.94	ppb	97
99)	1,3,5-trichlorobenzene	17.366	180	147808	56.59	ug/L	100
100)	1,2,4-trichlorobenzene	17.906	180	141843	57.13	ppb	94
101)	hexachlorobutadiene	18.195	225	75713	57.50	ppb	97
102)	naphthalene	18.173	128	278144	50.53	ppb	100
103)	2-Methylnaphthalene	19.543	142	72952	28.03	ug/L	97
104)	1-Methylnaphthalene	19.788	142	57926	28.67	ug/L	98
105)	1,2,3-trichlorobenzene	18.379	180	124453	55.70	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16653.D
Acq On : 9 Dec 2013 9:02 am
Operator : garyk
Sample : bs
Misc : ms30714,msu797,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 11:51:10 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/10/13 10:40

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16654.D
Acq On : 9 Dec 2013 9:30 am
Operator : garyk
Sample : bsd
Misc : ms30714,msu797,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 11:50:52 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.595	65	56492	500.00	ppb		0.04
4) pentafluorobenzene	8.969	168	151905	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.843	114	233842	50.00	ppb		0.00
66) chlorobenzene-d5	13.110	82	117855	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.676	152	120016	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.603	113	73054	62.52	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 125.04%				
60) toluene-d8 (s)	11.647	98	276476	57.34	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 114.68%				
82) bromofluorobenzene (s)	14.339	95	108808	52.13	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.26%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.260	59	67425	626.61	ppb		95
3) Ethanol	5.585	45	71567	4312.72	ppb	#	39
5) dichlorodifluoromethane	4.244	85	63587	45.19	ppb		96
6) chloromethane	4.513	50	135377	65.38	ppb		99
7) vinyl chloride	4.748	62	93972	46.27	ppb		100
8) bromomethane	5.238	96	43496	50.34	ppb		93
9) chloroethane	5.389	64	51022	58.61	ppb		100
10) ethyl ether	6.260	59	67425	49.96	ppb		100
11) acetonitrile	5.928	41	17646	76.24	ppb		73
12) trichlorofluoromethane	6.034	101	103511	49.84	ppb		99
13) freon-113	6.806	101	64219	53.06	ppb		99
14) acrolein	6.033	56	3762	16.12	ppb		92
15) 1,1-dichloroethene	6.603	96	57725	49.52	ppb		95
16) acetone	6.159	58	9506m	39.87	ppb		
17) Methyl Acetate	6.801	43	91112	48.90	ppb		99
18) methylene chloride	6.753	84	73542	50.23	ppb		84
19) methyl tert butyl ether	7.563	73	197128	46.80	ppb		95
20) acrylonitrile	6.670	53	70995	109.04	ppb		87
21) allyl chloride	6.848	41	151632	55.12	ppb		92
22) trans-1,2-dichloroethene	7.449	96	72419	53.35	ppb		97
23) iodomethane	6.660	142	101053	47.92	ppb		92
24) carbon disulfide	7.033	76	204141	49.13	ppb		98
25) propionitrile	8.069	54	7650	58.91	ppb		100
26) vinyl acetate	7.809	43	208995	61.35	ppb		98
27) chloroprene	8.071	53	149639	58.01	ppb		94
28) di-isopropyl ether	8.116	45	352568	57.14	ppb		97
29) methacrylonitrile	8.231	41	64206	58.76	ppb		95
30) 2-butanone	8.130	72	9029	45.48	ppb	#	58
31) Ethyl Acetate	8.108	43	301311	55.57	ug/L		97
32) Hexane	8.095	41	153450	54.31	ppb		94
33) 1,1-dichloroethane	7.702	63	152849	53.32	ppb		99
34) tert-butyl ethyl ether	8.516	59	278251	52.14	ppb		97
35) isobutyl alcohol	8.544	43	51871	267.79	ppb	#	2
36) 2,2-dichloropropane	8.568	77	89818	50.59	ppb		90

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16654.D
Acq On : 9 Dec 2013 9:30 am
Operator : garyk
Sample : bsd
Misc : ms30714,msu797,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 11:50:52 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.277	96	80424	52.26	ppb		97
38)	bromochloromethane	8.442	128	36234	54.21	ppb	#	78
39)	chloroform	10.317	83	98287	47.44	ppb		97
41)	Tetrahydrofuran	8.828	42	28896	53.82	ppb		97
42)	1,1,1-trichloroethane	9.243	97	107541	51.96	ppb		96
44)	Cyclohexane	9.527	56	156475	54.10	ppb		94
45)	carbon tetrachloride	9.606	117	86582	51.35	ppb		100
46)	1,1-dichloropropene	9.415	75	100884	53.78	ppb		96
47)	benzene	9.638	78	289821	52.31	ppb		98
48)	1,2-dichloroethane	9.138	62	108160	51.37	ppb		96
49)	tert-amyl methyl ether	9.768	73	212195	49.84	ppb		95
50)	heptane	9.767	43	97829	57.31	ppb		95
51)	trichloroethene	10.265	95	77506	46.90	ppb		95
52)	1,2-dichloropropane	10.231	63	93702	54.98	ppb		99
53)	dibromomethane	10.204	93	48596	54.21	ppb		97
54)	bromodichloromethane	10.317	83	98287	50.01	ppb		97
55)	Methylcyclohexane	10.782	83	129757	55.91	ppb		97
56)	2-chloroethyl vinyl ether	10.700	63	51407	59.63	ppb		98
57)	methyl methacrylate	10.419	69	46460	52.11	ppb		83
59)	cis-1,3-dichloropropene	10.941	75	122542	45.94	ppb		92
61)	4-methyl-2-pentanone	11.048	43	95533	55.33	ppb		94
62)	toluene	11.720	92	177060	50.84	ppb		95
63)	trans-1,3-dichloropropene	11.363	75	110974	48.83	ppb		98
64)	1,1,2-trichloroethane	11.536	83	57817	52.59	ppb		99
65)	ethyl methacrylate	11.744	69	92065	49.17	ppb		90
67)	tetrachloroethene	12.463	166	77894	54.79	ppb		95
68)	1,3-dichloropropane	11.772	76	111471	53.52	ppb		93
69)	dibromochloromethane	12.062	129	72052	51.07	ppb		95
70)	1,2-dibromoethane	12.315	107	69338	54.12	ppb		95
71)	2-hexanone	11.916	43	78663	53.75	ppb		99
72)	chlorobenzene	13.145	112	194511	51.29	ppb		98
73)	1,1,1,2-tetrachloroethane	13.064	131	73157	56.19	ppb		99
74)	ethylbenzene	13.321	91	346899	51.61	ppb		99
75)	m,p-xylene	13.506	106	263813	101.80	ppb		96
76)	o-xylene	13.919	106	131154	51.28	ppb		100
77)	styrene	13.846	104	217269	53.54	ppb		99
78)	bromoform	13.672	173	51711	50.31	ppb		94
79)	trans-1,4-dichloro-2-b...	14.074	53	16108	24.50	ppb	#	23
81)	isopropylbenzene	14.283	105	344266	51.51	ppb		100
83)	bromobenzene	14.571	156	95539	53.92	ppb		86
84)	1,1,2,2-tetrachloroethane	13.925	83	92861	65.24	ppb		96
85)	1,2,3-trichloropropane	14.074	75	87043	39.91	ppb		99
86)	n-propylbenzene	14.729	91	402846	48.26	ppb		99
87)	2-chlorotoluene	14.847	91	248128	47.26	ppb		100
88)	4-chlorotoluene	14.923	91	262513	48.43	ppb		99
89)	1,3,5-trimethylbenzene	15.007	105	298079	49.80	ppb		97
90)	tert-butylbenzene	15.312	91	170231	47.74	ppb		98
91)	1,2,4-trimethylbenzene	15.416	105	294326	48.65	ppb		98
92)	sec-butylbenzene	15.535	105	391244	50.53	ppb		97
93)	1,3-dichlorobenzene	15.637	146	186764	51.78	ppb		98

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16654.D
Acq On : 9 Dec 2013 9:30 am
Operator : garyk
Sample : bsd
Misc : ms30714,msu797,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 11:50:52 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

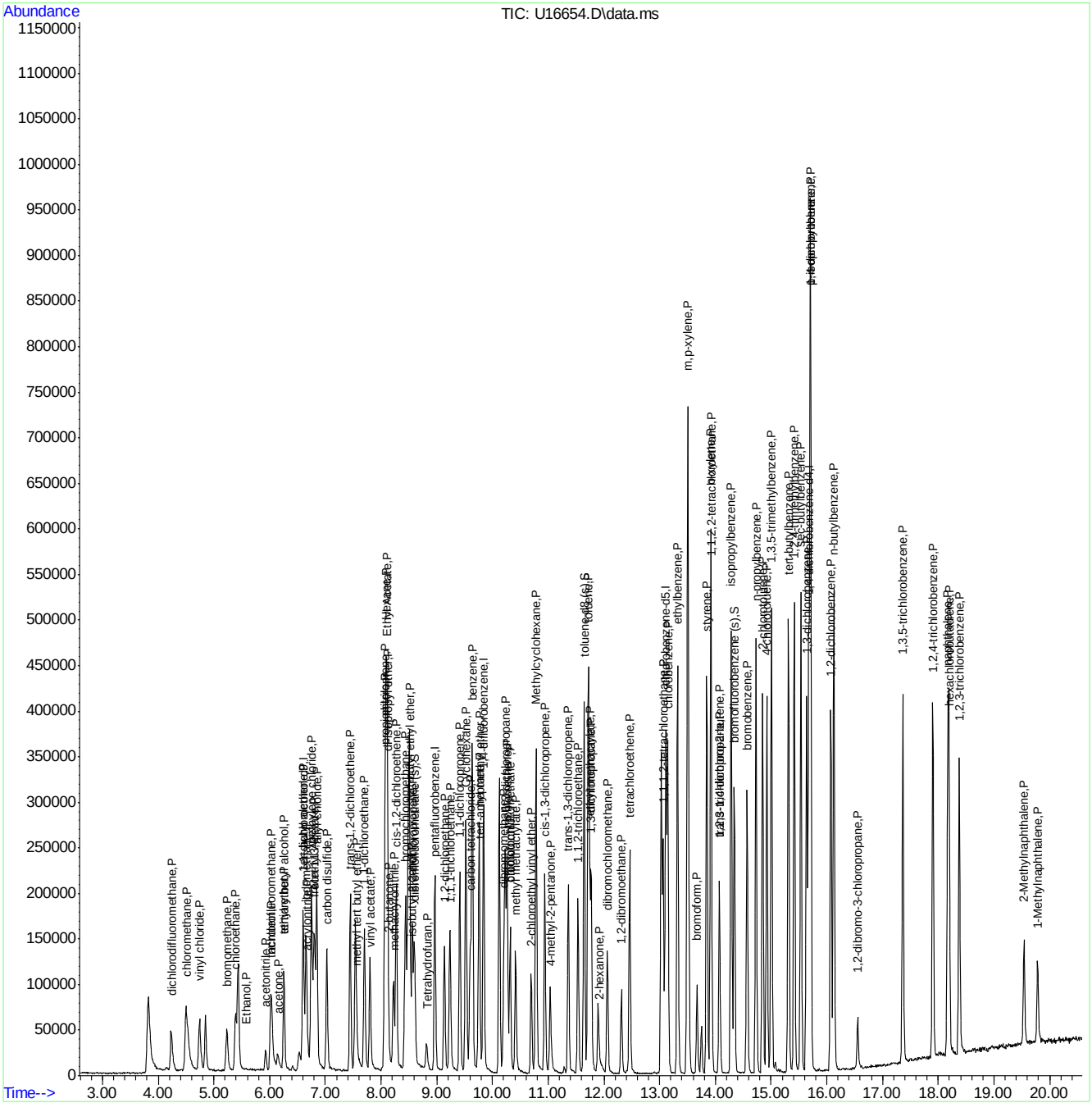
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	p-isopropyltoluene	15.708	119	323122	52.59	ppb	98
95)	1,4-dichlorobenzene	15.704	146	190386	52.70	ppb	98
96)	1,2-dichlorobenzene	16.073	146	179665	49.92	ppb	95
97)	n-butylbenzene	16.127	91	320359	49.94	ppb	98
98)	1,2-dibromo-3-chloropr...	16.555	75	15834	42.30	ppb	97
99)	1,3,5-trichlorobenzene	17.366	180	141389	51.67	ug/L	99
100)	1,2,4-trichlorobenzene	17.905	180	135884	52.24	ppb	100
101)	hexachlorobutadiene	18.194	225	70630	51.20	ppb	98
102)	naphthalene	18.173	128	277387	48.10	ppb	100
103)	2-Methylnaphthalene	19.543	142	71884	26.36	ug/L	96
104)	1-Methylnaphthalene	19.790	142	56398	26.64	ug/L	97
105)	1,2,3-trichlorobenzene	18.379	180	119078	50.87	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16654.D
Acq On : 9 Dec 2013 9:30 am
Operator : garyk
Sample : bsd
Misc : ms30714,msu797,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 11:50:52 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83092.D
Acq On : 10 Dec 2013 11:16 am
Operator : jaclynb
Sample : bs
Misc : ms30713,MSN3101,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 10 11:39:56 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.766	65	65381	500.00	ug/L		0.00
4) pentafluorobenzene	9.213	168	235251	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	348779	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	187391	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.891	152	156498	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	105766	46.00	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.00%				
60) toluene-d8 (s)	11.878	98	422687	50.18	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.36%				
82) bromofluorobenzene (s)	14.558	95	158807	48.02	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.04%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.858	59	83628	483.28	ug/L	#	70
3) Ethanol	5.617	45	136665	5298.87	ug/L		98
5) dichlorodifluoromethane	4.426	85	146477	44.68	ug/L		99
6) chloromethane	4.687	50	176776	55.07	ug/L		100
7) vinyl chloride	4.938	62	153958	39.01	ug/L		99
8) bromomethane	5.451	96	74230	52.12	ug/L		96
9) chloroethane	5.621	64	87507	51.44	ug/L		99
10) ethyl ether	6.512	59	97199	40.17	ug/L		92
12) trichlorofluoromethane	6.278	101	185572	41.56	ug/L		99
13) freon-113	7.052	101	114381	45.88	ug/L		95
14) acrolein	6.264	56	16594	30.18	ug/L		94
15) 1,1-dichloroethene	6.865	96	102260	52.57	ug/L		87
16) acetone	6.406	58	8796	22.83	ug/L	#	70
17) Methyl Acetate	7.038	43	118431	29.78	ug/L		95
18) methylene chloride	7.014	84	122738	44.04	ug/L	#	83
19) methyl tert butyl ether	7.791	73	187982	32.34	ug/L		96
20) acrylonitrile	6.915	53	74775	71.49	ug/L		99
21) allyl chloride	7.109	41	197312	49.34	ug/L		90
22) trans-1,2-dichloroethene	7.710	96	111462	43.59	ug/L		100
23) iodomethane	6.925	142	105959	44.00	ug/L		97
24) carbon disulfide	7.300	76	353773	44.98	ug/L		99
25) propionitrile	6.833	54	2817	64.21	ug/L		100
26) vinyl acetate	7.038	43	118431	29.78	ug/L		93
27) chloroprene	8.325	53	214746	51.84	ug/L		90
28) di-isopropyl ether	8.353	45	440283	45.16	ug/L		92
29) methacrylonitrile	8.484	41	61055	36.12	ug/L		88
30) 2-butanone	8.371	72	9919	33.70	ug/L	#	42
31) Hexane	8.343	41	203010	46.86	ug/L	#	95
32) 1,1-dichloroethane	7.961	63	238670	44.32	ug/L		99
33) tert-butyl ethyl ether	8.749	59	199505	35.21	ug/L		94
34) isobutyl alcohol	8.346	43	360467	219.50	ug/L		58
35) 2,2-dichloropropane	8.820	77	147904	49.45	ug/L		100
36) cis-1,2-dichloroethene	8.534	96	121915	42.24	ug/L		96
37) ethyl acetate	8.346	43	360907	43.61	ug/L		84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83092.D
Acq On : 10 Dec 2013 11:16 am
Operator : jaclynb
Sample : bs
Misc : ms30713,MSN3101,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 10 11:39:56 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.700	128	56222	45.93	ug/L		89
39) chloroform	8.735	83	214682	43.21	ug/L		96
41) Tetrahydrofuran	9.061	42	25184	33.01	ug/L		88
42) 1,1,1-trichloroethane	9.488	97	174781	48.36	ug/L		96
44) Cyclohexane	9.768	56	229478	48.36	ug/L		94
45) carbon tetrachloride	9.852	117	144759	50.69	ug/L		97
46) 1,1-dichloropropene	9.662	75	164989	50.61	ug/L		98
47) benzene	9.891	78	495189	46.75	ug/L		100
48) 1,2-dichloroethane	9.389	62	160504	42.47	ug/L		96
49) tert-amyl methyl ether	9.997	73	145689	32.80	ug/L		95
50) heptane	10.351	43	165109	49.44	ug/L		84
51) trichloroethene	10.506	95	130138	47.55	ug/L		95
52) 1,2-dichloropropane	10.471	63	143794	48.42	ug/L		100
53) dibromomethane	10.446	93	69201	43.01	ug/L		94
54) bromodichloromethane	10.556	83	169414	46.38	ug/L		99
55) Methylcyclohexane	11.019	83	227850	50.17	ug/L		93
57) methyl methacrylate	10.644	69	60467	38.40	ug/L	#	75
58) 1,4-dioxane	10.651	88	4281	170.10	ug/L		73
59) cis-1,3-dichloropropene	11.171	75	181642	46.84	ug/L		96
61) 4-methyl-2-pentanone	11.259	43	92720	37.78	ug/L		93
62) toluene	11.949	92	291135	48.39	ug/L		100
63) trans-1,3-dichloropropene	11.592	75	150709	46.51	ug/L		100
64) 1,1,2-trichloroethane	11.765	83	90283	43.94	ug/L		93
65) ethyl methacrylate	11.959	69	114272	39.70	ug/L		85
67) tetrachloroethene	12.688	166	130886	46.74	ug/L		93
68) 1,3-dichloropropane	11.998	76	170908	43.60	ug/L		99
69) dibromochloromethane	12.292	129	114909	44.45	ug/L		100
70) 1,2-dibromoethane	12.546	107	97367	42.23	ug/L		96
71) 2-hexanone	12.115	43	61239	37.29	ug/L		93
72) chlorobenzene	13.374	112	307099	44.70	ug/L		98
73) 1,1,1,2-tetrachloroethane	13.289	131	112209	48.11	ug/L		99
74) ethylbenzene	13.540	91	587214	48.01	ug/L		98
75) m,p-xylene	13.727	106	448545	93.51	ug/L		96
76) o-xylene	14.141	106	218145	45.40	ug/L		93
77) styrene	14.067	104	345927	49.77	ug/L		100
78) bromoform	13.897	173	70555	40.75	ug/L		97
79) trans-1,4-dichloro-2-b...	14.289	53	25041	39.71	ug/L	#	44
81) isopropylbenzene	14.501	105	588996	49.83	ug/L		98
83) bromobenzene	14.795	156	135747	48.69	ug/L		94
84) 1,1,2,2-tetrachloroethane	14.141	83	126171	40.63	ug/L		97
85) 1,2,3-trichloropropane	14.289	75	122149	41.36	ug/L		99
86) n-propylbenzene	14.943	91	687819	48.10	ug/L		100
87) 2-chlorotoluene	15.067	91	409313	46.89	ug/L		99
88) 4-chlorotoluene	15.141	91	428380	49.15	ug/L		99
89) 1,3,5-trimethylbenzene	15.219	105	509155	48.04	ug/L		96
90) tert-butylbenzene	15.527	91	303924	49.86	ug/L		99
91) 1,2,4-trimethylbenzene	15.629	105	489408	47.65	ug/L		99
92) sec-butylbenzene	15.746	105	702486	51.65	ug/L		99
93) 1,3-dichlorobenzene	15.855	146	273748	48.56	ug/L		98
94) p-isopropyltoluene	15.915	119	547697	52.32	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83092.D
Acq On : 10 Dec 2013 11:16 am
Operator : jaclynb
Sample : bs
Misc : ms30713,MSN3101,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 10 11:39:56 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

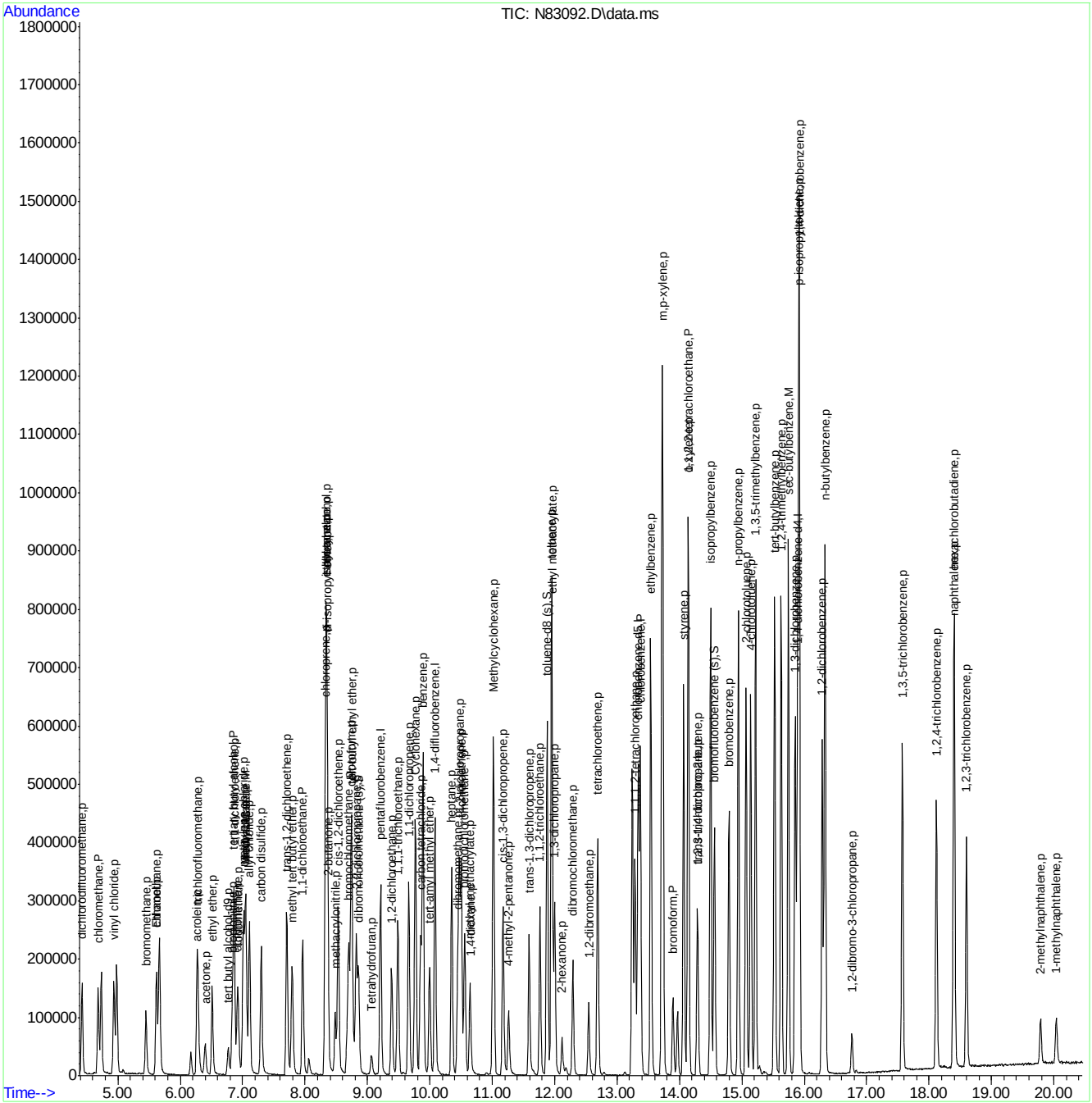
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	1,4-dichlorobenzene	15.923	146	270079	49.26	ug/L	96
96)	1,2-dichlorobenzene	16.287	146	255031	46.38	ug/L	99
97)	n-butylbenzene	16.333	91	562660	54.74	ug/L	98
98)	1,2-dibromo-3-chloropr...	16.760	75	18346	36.40	ug/L	92
99)	1,2,4-trichlorobenzene	18.118	180	161342	51.94	ug/L	99
100)	1,3,5-trichlorobenzene	17.574	180	193573	50.29	ug/L	99
101)	hexachlorobutadiene	18.401	225	122478	52.97	ug/L	92
102)	naphthalene	18.394	128	309542	49.04	ug/L	100
103)	1,2,3-trichlorobenzene	18.599	180	143326	48.00	ug/L	97
104)	2-methylnaphthalene	19.787	142	45477	23.30	ug/L	100
105)	1-methylnaphthalene	20.038	142	47334	20.86	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83092.D
Acq On : 10 Dec 2013 11:16 am
Operator : jaclynb
Sample : bs
Misc : ms30713,MSN3101,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 10 11:39:56 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83093.D
Acq On : 10 Dec 2013 11:44 am
Operator : jaclynb
Sample : bsd
Misc : ms30713,MSN3101,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 11 08:51:20 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.770	65	64138	500.00	ug/L		0.00
4) pentafluorobenzene	9.213	168	235586	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	346218	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	185409	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.891	152	152785	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.856	113	104240	45.27	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.54%				
60) toluene-d8 (s)	11.878	98	418565	50.06	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.12%				
82) bromofluorobenzene (s)	14.562	95	158427	49.07	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.14%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.858	59	85027	500.89	ug/L	#	74
3) Ethanol	5.614	45	138148	5460.17	ug/L		99
5) dichlorodifluoromethane	4.426	85	148687	45.29	ug/L		99
6) chloromethane	4.684	50	175945	54.74	ug/L		96
7) vinyl chloride	4.938	62	157793	39.93	ug/L		98
8) bromomethane	5.455	96	77041	54.02	ug/L		98
9) chloroethane	5.621	64	88507	51.95	ug/L		98
10) ethyl ether	6.512	59	97165	40.10	ug/L		97
12) trichlorofluoromethane	6.278	101	189982	42.48	ug/L		100
13) freon-113	7.049	101	118441	47.44	ug/L		94
14) acrolein	6.264	56	17584	31.94	ug/L		96
15) 1,1-dichloroethene	6.865	96	103012	52.93	ug/L		96
16) acetone	6.402	58	8946	23.43	ug/L	#	69
17) Methyl Acetate	7.042	43	119348	29.97	ug/L		96
18) methylene chloride	7.014	84	122246	43.80	ug/L	#	82
19) methyl tert butyl ether	7.791	73	200656	34.47	ug/L		96
20) acrylonitrile	6.915	53	73830	70.48	ug/L		98
21) allyl chloride	7.109	41	199451	49.81	ug/L		92
22) trans-1,2-dichloroethene	7.707	96	113001	44.13	ug/L		95
23) iodomethane	6.929	142	106521	44.15	ug/L		96
24) carbon disulfide	7.300	76	357139	45.34	ug/L		100
25) propionitrile	6.837	54	2529	55.46	ug/L		100
26) vinyl acetate	7.042	43	119348	29.97	ug/L		97
27) chloroprene	8.329	53	217337	52.39	ug/L		90
28) di-isopropyl ether	8.354	45	445443	45.62	ug/L		93
29) methacrylonitrile	8.481	41	64490	38.10	ug/L		84
30) 2-butanone	8.375	72	10365	35.17	ug/L	#	1
31) Hexane	8.339	41	203849	46.99	ug/L	#	75
32) 1,1-dichloroethane	7.961	63	245962	45.61	ug/L		99
33) tert-butyl ethyl ether	8.749	59	206062	36.03	ug/L		92
34) isobutyl alcohol	8.350	43	362317	220.31	ug/L		66
35) 2,2-dichloropropane	8.820	77	151028	50.37	ug/L		100
36) cis-1,2-dichloroethene	8.530	96	124534	43.08	ug/L		97
37) ethyl acetate	8.350	43	366231	44.19	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83093.D
Acq On : 10 Dec 2013 11:44 am
Operator : jaclynb
Sample : bsd
Misc : ms30713,MSN3101,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 11 08:51:20 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.700	128	54605	44.55	ug/L	#	81
39) chloroform	8.739	83	215782	43.37	ug/L		100
41) Tetrahydrofuran	9.068	42	25525	33.41	ug/L		88
42) 1,1,1-trichloroethane	9.488	97	178505	49.32	ug/L		94
44) Cyclohexane	9.768	56	230329	48.90	ug/L		92
45) carbon tetrachloride	9.852	117	149233	52.64	ug/L		98
46) 1,1-dichloropropene	9.665	75	168966	52.21	ug/L		98
47) benzene	9.891	78	492932	46.88	ug/L		100
48) 1,2-dichloroethane	9.389	62	162038	43.19	ug/L		95
49) tert-amyl methyl ether	9.997	73	157408	35.70	ug/L		90
50) heptane	10.351	43	165094	49.80	ug/L		88
51) trichloroethene	10.507	95	132996	48.95	ug/L		98
52) 1,2-dichloropropane	10.471	63	145113	49.23	ug/L		99
53) dibromomethane	10.446	93	69370	43.44	ug/L		94
54) bromodichloromethane	10.556	83	168538	46.48	ug/L		100
55) Methylcyclohexane	11.019	83	228541	50.69	ug/L		94
57) methyl methacrylate	10.641	69	59761	38.24	ug/L		84
58) 1,4-dioxane	10.651	88	4717	188.81	ug/L	#	65
59) cis-1,3-dichloropropene	11.175	75	186832	48.54	ug/L		100
61) 4-methyl-2-pentanone	11.263	43	91608	37.60	ug/L		93
62) toluene	11.952	92	294488	49.30	ug/L		99
63) trans-1,3-dichloropropene	11.588	75	154245	47.96	ug/L		98
64) 1,1,2-trichloroethane	11.765	83	91418	44.82	ug/L		99
65) ethyl methacrylate	11.956	69	116209	40.68	ug/L		88
67) tetrachloroethene	12.688	166	131435	47.44	ug/L		95
68) 1,3-dichloropropane	11.998	76	170778	44.03	ug/L		96
69) dibromochloromethane	12.292	129	116082	45.38	ug/L		97
70) 1,2-dibromoethane	12.546	107	96904	42.48	ug/L		95
71) 2-hexanone	12.115	43	60066	36.96	ug/L		94
72) chlorobenzene	13.370	112	309201	45.49	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.289	131	110040	47.68	ug/L		98
74) ethylbenzene	13.543	91	579464	47.89	ug/L		98
75) m,p-xylene	13.727	106	447063	94.20	ug/L		96
76) o-xylene	14.141	106	220813	46.44	ug/L		94
77) styrene	14.067	104	343492	49.95	ug/L		97
78) bromoform	13.897	173	72176	42.13	ug/L		94
79) trans-1,4-dichloro-2-b...	14.286	53	26142	41.90	ug/L	#	65
81) isopropylbenzene	14.498	105	589069	51.04	ug/L		98
83) bromobenzene	14.791	156	135327	49.72	ug/L		98
84) 1,1,2,2-tetrachloroethane	14.141	83	125116	41.27	ug/L		92
85) 1,2,3-trichloropropane	14.289	75	121730	42.22	ug/L		100
86) n-propylbenzene	14.943	91	686079	49.14	ug/L		99
87) 2-chlorotoluene	15.067	91	415261	48.72	ug/L		100
88) 4-chlorotoluene	15.141	91	426314	50.10	ug/L		100
89) 1,3,5-trimethylbenzene	15.223	105	506438	48.95	ug/L		94
90) tert-butylbenzene	15.523	91	302020	50.75	ug/L		99
91) 1,2,4-trimethylbenzene	15.629	105	486038	48.48	ug/L		99
92) sec-butylbenzene	15.746	105	695955	52.41	ug/L		99
93) 1,3-dichlorobenzene	15.855	146	268396	48.77	ug/L		99
94) p-isopropyltoluene	15.916	119	542743	53.11	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83093.D
Acq On : 10 Dec 2013 11:44 am
Operator : jaclynb
Sample : bsd
Misc : ms30713,MSN3101,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 11 08:51:20 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

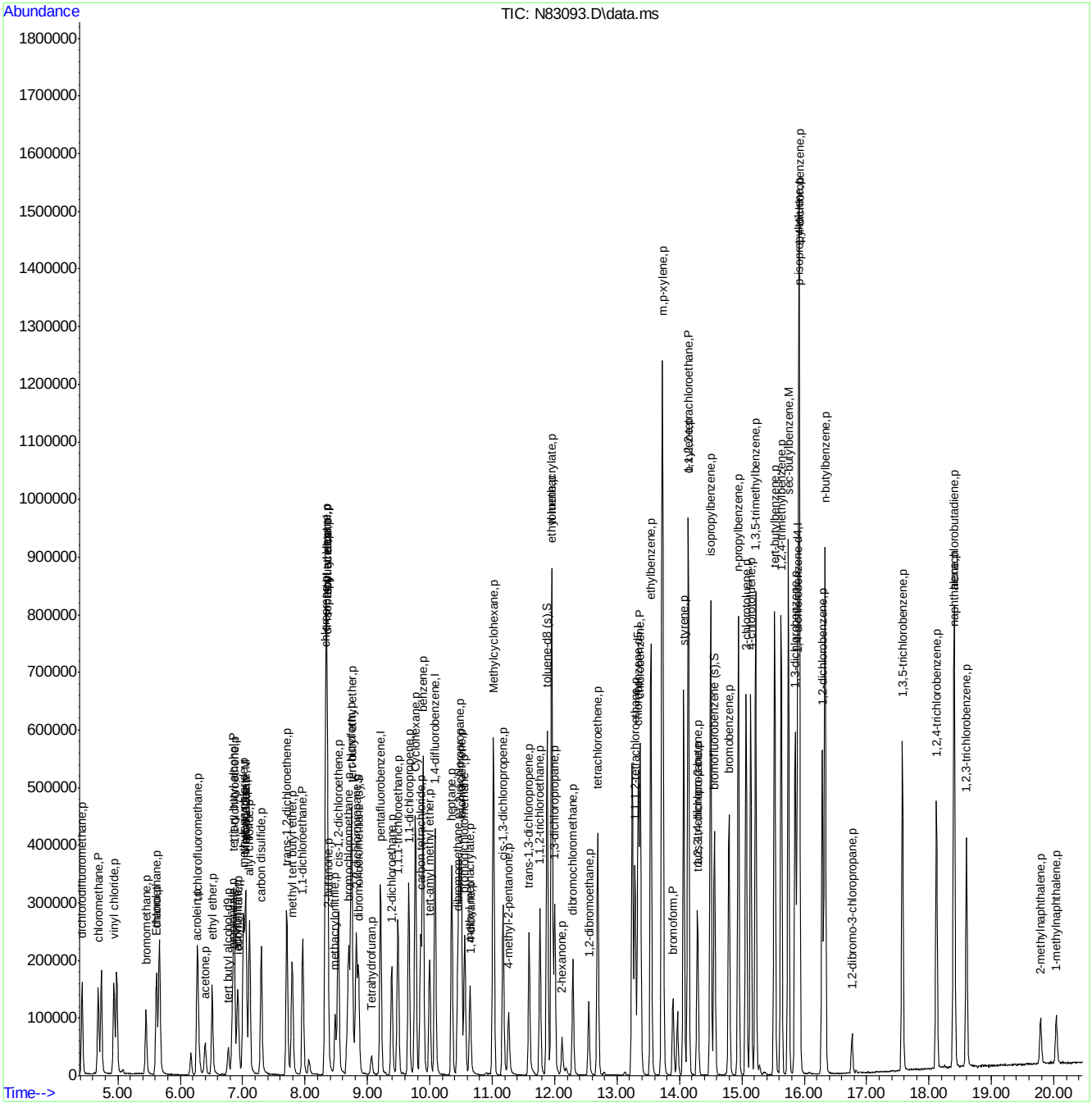
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	1,4-dichlorobenzene	15.923	146	268637	50.18	ug/L	97
96)	1,2-dichlorobenzene	16.290	146	253406	47.21	ug/L	99
97)	n-butylbenzene	16.333	91	558506	55.66	ug/L	99
98)	1,2-dibromo-3-chloropr...	16.764	75	19187	38.99	ug/L	98
99)	1,2,4-trichlorobenzene	18.118	180	160572	52.95	ug/L	97
100)	1,3,5-trichlorobenzene	17.574	180	193801	51.57	ug/L	100
101)	hexachlorobutadiene	18.404	225	122636	54.33	ug/L	100
102)	naphthalene	18.394	128	317074	51.46	ug/L	100
103)	1,2,3-trichlorobenzene	18.599	180	145128	49.79	ug/L	97
104)	2-methylnaphthalene	19.790	142	47283	24.20	ug/L	99
105)	1-methylnaphthalene	20.041	142	47860	21.45	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83093.D
Acq On : 10 Dec 2013 11:44 am
Operator : jaclynb
Sample : bsd
Misc : ms30713,MSN3101,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 11 08:51:20 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC26923

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/16/13 10:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:10:46 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	118323	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	322986	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	517449	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	223762	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	278074	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	149184	51.51	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.02%			
59) toluene-d8 (s)	12.037	98	558933	47.92	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.84%			
81) bromofluorobenzene (s)	14.731	95	216797	49.61	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.22%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	241039	596.46	ug/kg	98
3) Ethanol	5.644	45	167777m	5532.96	ug/kg	
5) dichlorodifluoromethane	4.445	85	122852m	40.07	ug/kg	
6) chloromethane	4.701	50	197724	42.25	ug/kg	98
7) vinyl chloride	4.963	62	152649	33.76	ug/kg	94
8) bromomethane ...	5.502	96	124753	41.90	ug/kg	94
9) chloroethane	5.671	64	96912m	44.17	ug/kg	
10) ethyl ether	6.580	59	119954	47.25	ug/kg	92
11) acetonitrile	6.580	41	39105	48.08	ug/kg	88
12) trichlorofluoromethane	6.338	101	224266	42.87	ug/kg	97
13) freon-113	7.146	101	130711	51.81	ug/kg	97
14) acrolein	6.358	56	19622	26.65	ug/kg	81
15) 1,1-dichloroethene	6.951	96	141347	46.94	ug/kg	99
16) acetone	6.560	58	20045	33.08	ug/kg#	33
17) Methyl Acetate	7.139	43	166100	43.75	ug/kg	91
18) methylene chloride	7.106	84	161660m	48.98	ug/kg	
19) methyl tert butyl ether	7.900	73	325406	47.58	ug/kg	94
20) acrylonitrile	7.011	53	125987	84.50	ug/kg	93
21) allyl chloride	7.200	41	286581	48.42	ug/kg	99
22) trans-1,2-dichloroethene	7.813	96	168229	50.17	ug/kg	94
23) iodomethane	7.005	142	321487	56.28	ug/kg	90
24) carbon disulfide	7.389	76	453062	52.56	ug/kg	100
25) propionitrile	8.163	54	23960	47.41	ug/kg	100
26) vinyl acetate	8.190	43	123936	17.55	ug/kg	100
27) chloroprene	8.446	53	290325	54.47	ug/kg	98
28) di-isopropyl ether	8.480	45	600461	45.83	ug/kg	99
29) methacrylonitrile	8.601	41	99451	43.25	ug/kg	98
30) 2-butanone	8.507	72	18734	37.00	ug/kg#	28
31) 1,1-dichloroethane	8.069	63	292215	50.03	ug/kg	96
32) tert-butyl ethyl ether	8.884	59	409140	49.84	ug/kg	99
33) isobutyl alcohol	8.877	43	78889m	218.60	ug/kg	
34) 2,2-dichloropropane	8.951	77	162315	47.13	ug/kg	97
35) cis-1,2-dichloroethene	8.655	96	185284	47.71	ug/kg	94
36) ethyl acetate	8.877	43	127411m	53.29	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:10:46 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	106847	49.91	ug/kg	91
38) chloroform	8.864	83	281190	49.07	ug/kg	96
40) Tetrahydrofuran	9.194	42	62979	43.46	ug/kg	97
41) 1,1,1-trichloroethane	9.625	97	239941	51.65	ug/kg	97
43) Cyclohexane	9.915	56	277699	46.42	ug/kg	98
44) carbon tetrachloride	9.995	117	259706	54.62	ug/kg	98
45) 1,1-dichloropropene	9.800	75	206377	49.78	ug/kg	97
46) benzene	10.029	78	633070	46.21	ug/kg	98
47) 1,2-dichloroethane	9.524	62	217430	50.43	ug/kg	98
48) tert-amyl methyl ether	10.144	73	307807	48.47	ug/kg	99
49) heptane	10.507	43	279874	41.71	ug/kg	98
50) trichloroethene	10.656	95	184110	46.55	ug/kg	98
51) 1,2-dichloropropane	10.622	63	175981	46.41	ug/kg	100
52) dibromomethane	10.595	93	110078	49.34	ug/kg	94
53) bromodichloromethane	10.710	83	235591	52.29	ug/kg	99
54) Methylcyclohexane	11.174	83	270517	48.14	ug/kg	99
55) 2-chloroethyl vinyl ether	11.080	63	53995	54.35	ug/kg	97
56) methyl methacrylate	10.797	69	112581	51.49	ug/kg	99
57) 1,4-dioxane	10.838	88	9066	276.94	ug/kg	76
58) cis-1,3-dichloropropene	11.329	75	251859	46.34	ug/kg	97
60) 4-methyl-2-pentanone	11.417	43	225264	52.93	ug/kg	99
61) toluene	12.111	92	428251	49.71	ug/kg	97
62) trans-1,3-dichloropropene	11.754	75	234314	52.86	ug/kg	97
63) 1,1,2-trichloroethane	11.922	83	131305	52.15	ug/kg	97
64) ethyl methacrylate	12.124	69	185326	46.05	ug/kg	95
66) tetrachloroethene	12.852	166	206222	49.92	ug/kg	97
67) 1,3-dichloropropane	12.158	76	242808	52.53	ug/kg	99
68) dibromochloromethane	12.454	129	259621	61.55	ug/kg	98
69) 1,2-dibromoethane	12.704	107	178095	53.91	ug/kg	95
70) 2-hexanone	12.279	43	171351	47.76	ug/kg	100
71) chlorobenzene	13.539	112	576531	52.13	ug/kg	98
72) 1,1,1,2-tetrachloroethane	13.458	131	252288	63.13	ug/kg	97
73) ethylbenzene	13.707	91	860990	52.76	ug/kg	100
74) m,p-xylene	13.896	106	726021	104.53	ug/kg	100
75) o-xylene	14.307	106	376018	53.67	ug/kg	97
76) styrene	14.233	104	615457m	55.17	ug/kg	
77) bromoform	14.064	173	191005	68.19	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.455	53	80616	59.78	ug/kg	93
80) isopropylbenzene	14.671	105	995647	49.64	ug/kg	98
82) bromobenzene	14.967	156	289124	54.14	ug/kg	98
83) 1,1,2,2-tetrachloroethane	14.313	83	285839	60.90	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	289117	57.49	ug/kg	97
85) n-propylbenzene	15.115	91	1027372	46.65	ug/kg	99
86) 2-chlorotoluene	15.236	91	666856	49.48	ug/kg	98
87) 4-chlorotoluene	15.310	91	678402	51.02	ug/kg	99
88) 1,3,5-trimethylbenzene	15.391	105	856364	50.95	ug/kg	97
89) tert-butylbenzene	15.701	91	477510	52.45	ug/kg	98
90) 1,2,4-trimethylbenzene	15.802	105	844086	50.77	ug/kg	99
91) sec-butylbenzene	15.924	105	1184019	51.72	ug/kg	100
92) 1,3-dichlorobenzene	16.031	146	579727	53.69	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:10:46 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

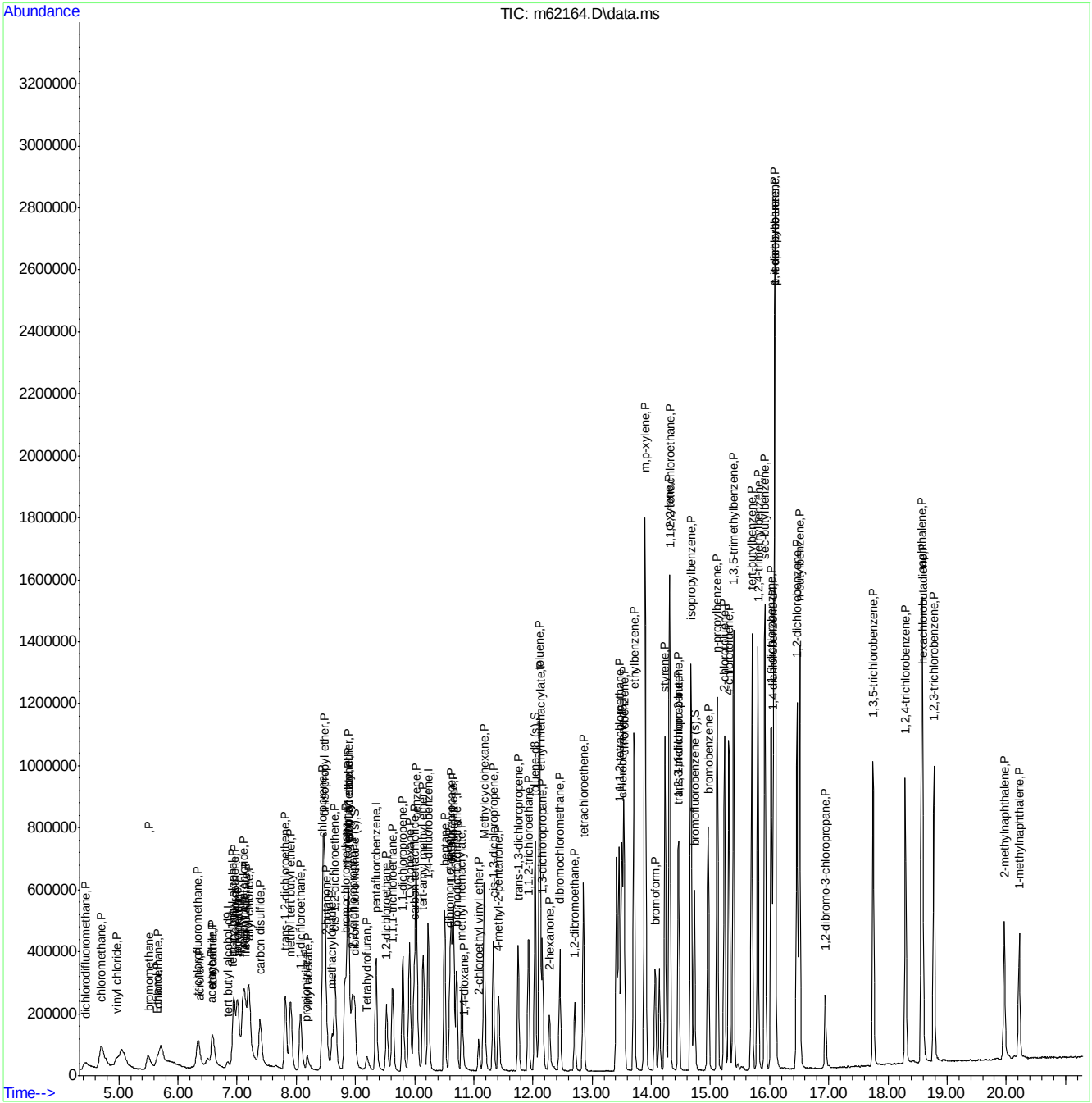
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	1049231	52.72	ug/kg	98
94) 1,4-dichlorobenzene	16.092	146	603136	54.59	ug/kg	99
95) 1,2-dichlorobenzene	16.462	146	605616	56.34	ug/kg	98
96) n-butylbenzene	16.510	91	829074	49.51	ug/kg	99
97) 1,2-dibromo-3-chloropr...	16.941	75	57731	56.32	ug/kg	96
98) 1,3,5-trichlorobenzene	17.749	180	365821	46.57	ug/kg	99
99) 1,2,4-trichlorobenzene	18.295	180	368521	49.13	ug/kg	99
100) hexachlorobutadiene	18.591	225	182317	52.07	ug/kg	99
101) naphthalene	18.571	128	1192700	56.38	ug/kg	100
102) 1,2,3-trichlorobenzene	18.780	180	379925	51.86	ug/kg	93
103) 2-methylnaphthalene	19.965	142	310922	26.05	ug/kg	99
104) 1-methylnaphthalene	20.221	TIC	873175	25.17	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

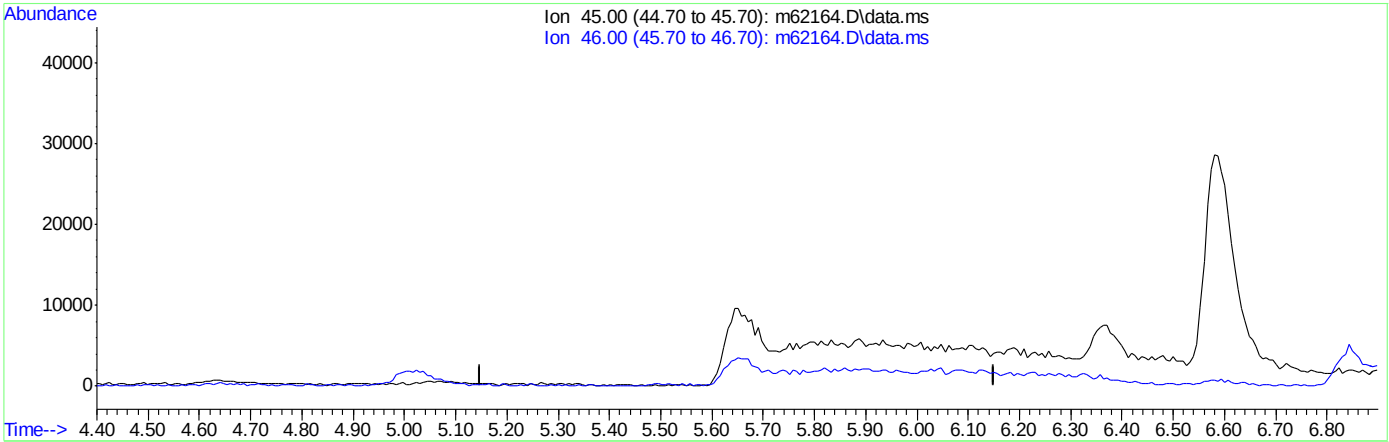
Quant Time: Dec 16 09:10:46 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

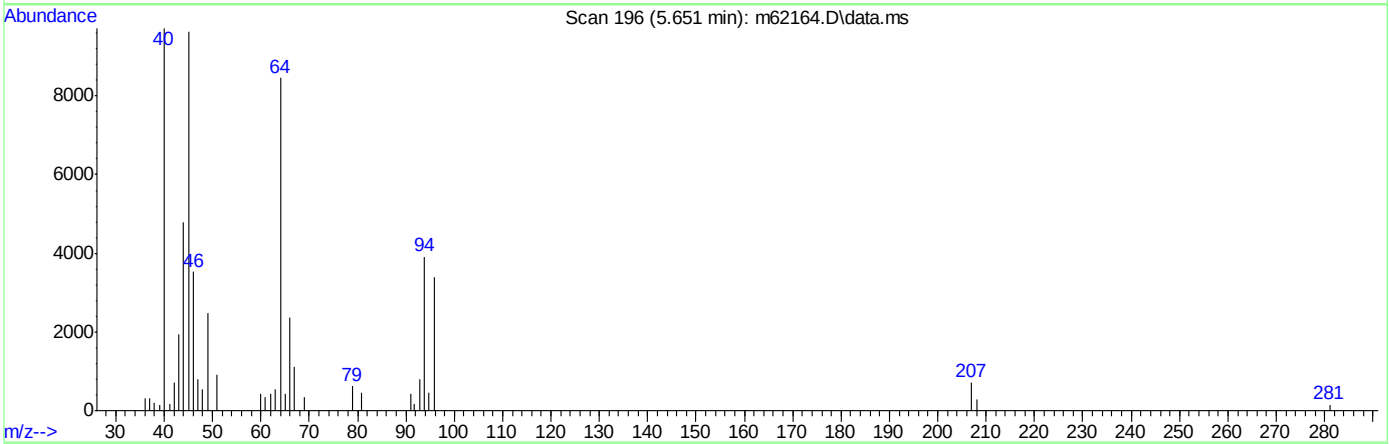


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(3) Ethanol (P)

5.650min (-5.650) 0.00ug/kg

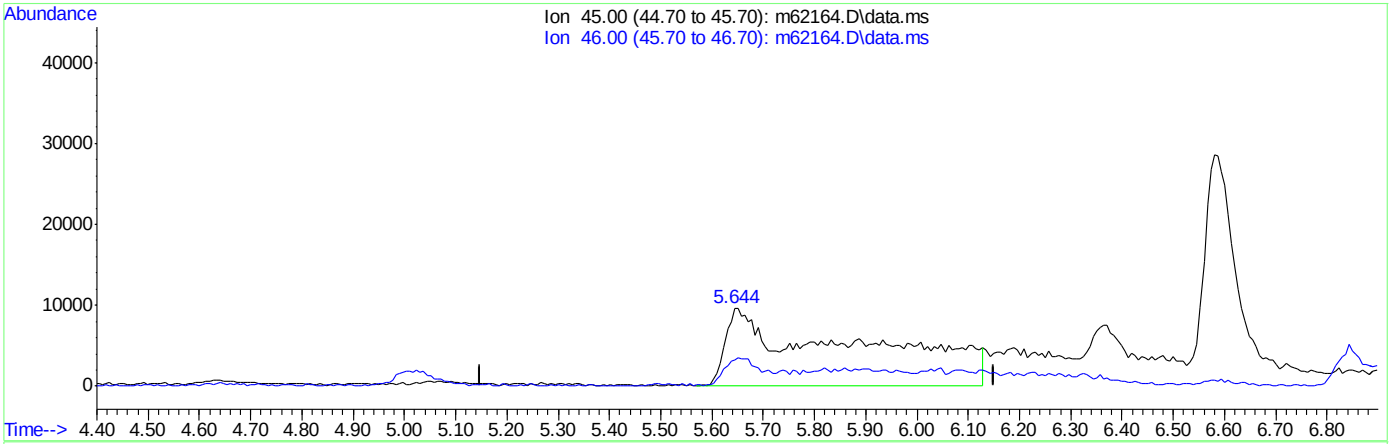
response 0

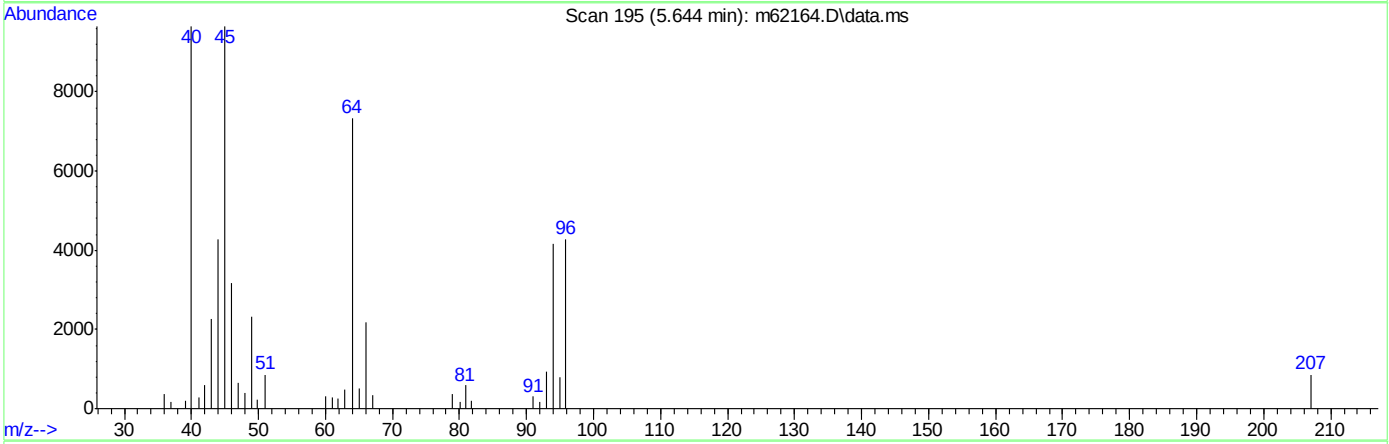
Ion	Exp%	Act%
45.00	100	0.00
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(3) Ethanol (P)

5.644min (-0.006) 5532.96ug/kg m

response 167777

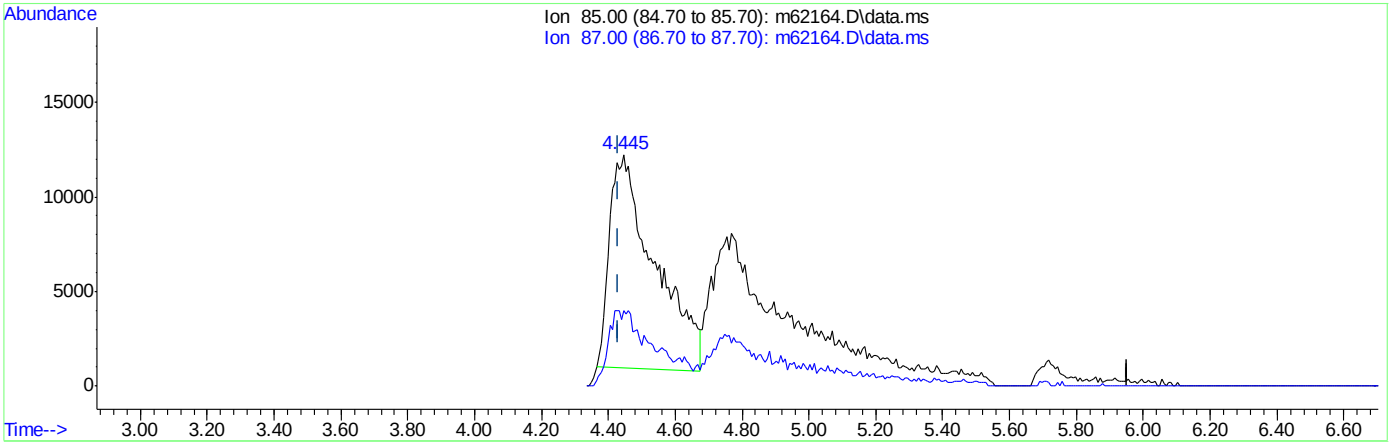
Ion	Exp%	Act%
45.00	100	100
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

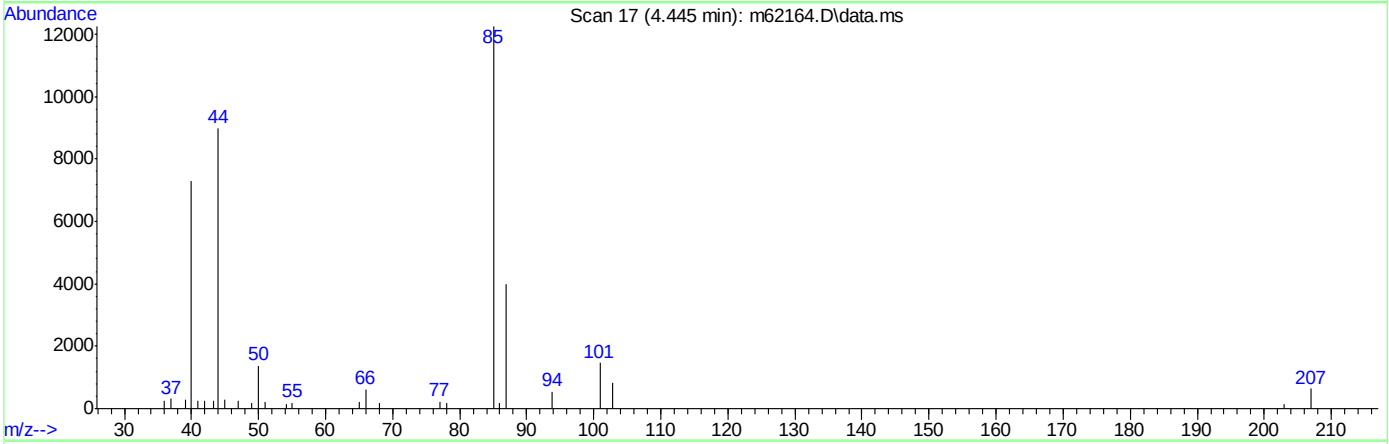
ACCUTEST LABORATORIES
MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(5) dichlorodifluoromethane (P)

4.445min (+0.014) 34.59ug/kg

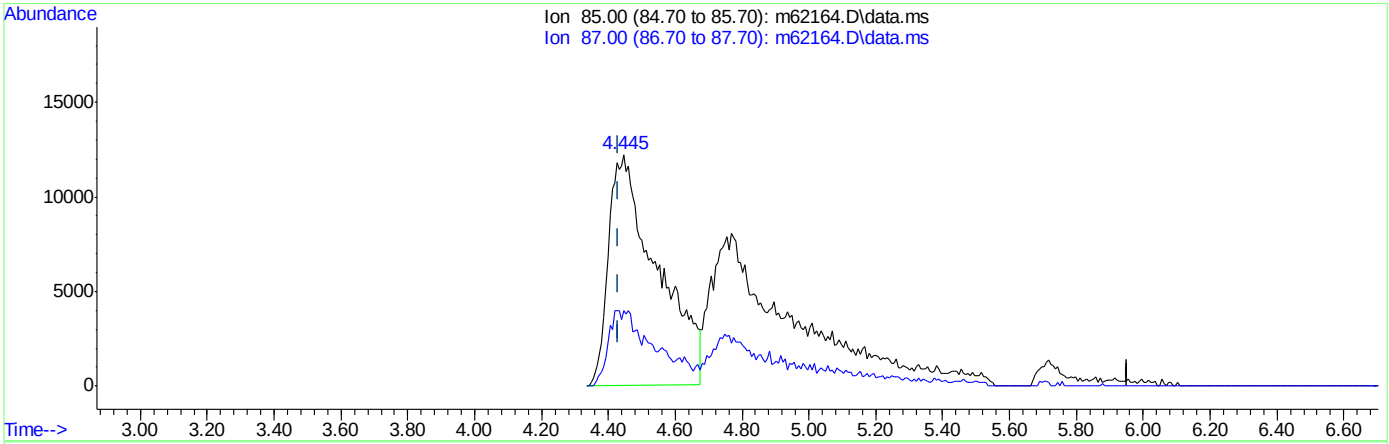
response 106058

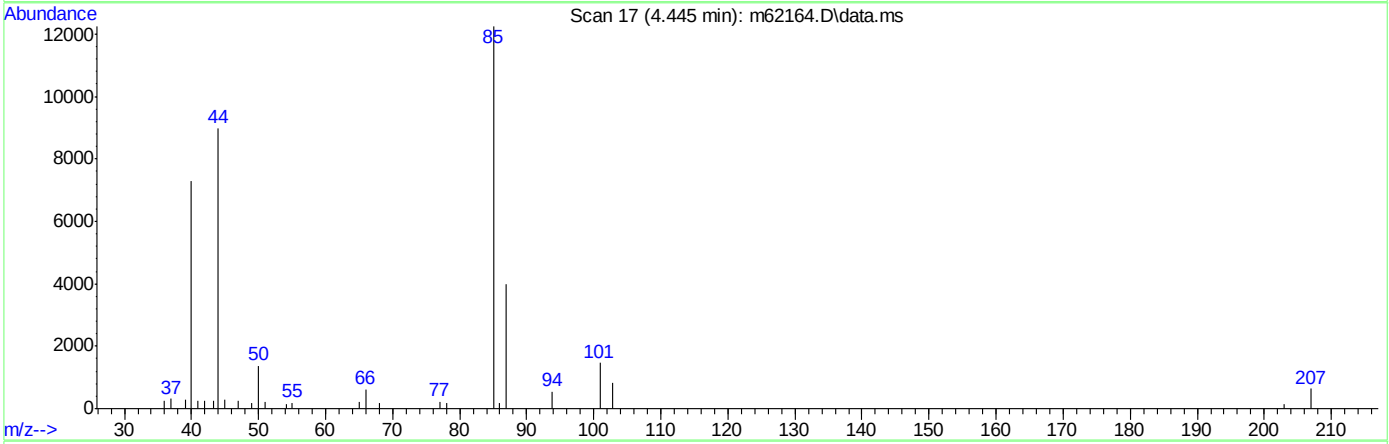
Ion	Exp%	Act%
85.00	100	100
87.00	32.00	32.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(5) dichlorodifluoromethane (P)

4.445min (+0.014) 40.07ug/kg m

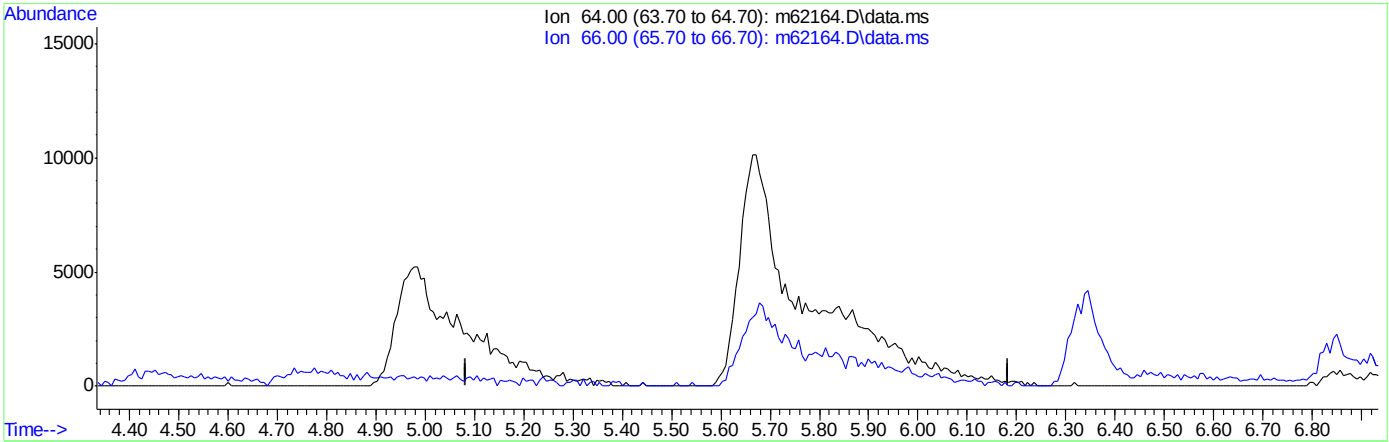
response 122852

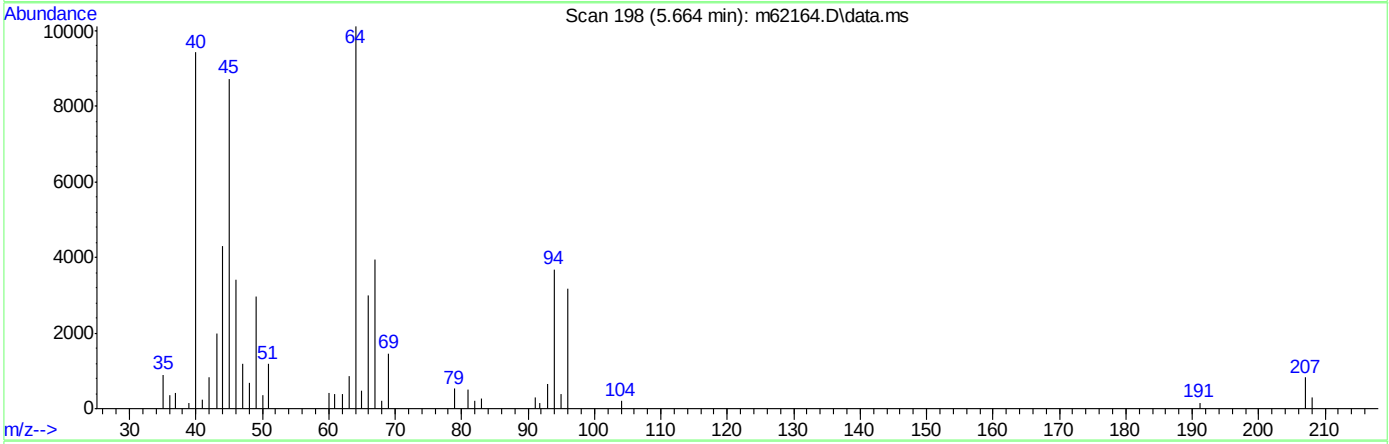
Ion	Exp%	Act%
85.00	100	100
87.00	32.00	32.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(9) chloroethane (P)

5.664min (-5.664) 0.00ug/kg

response 0

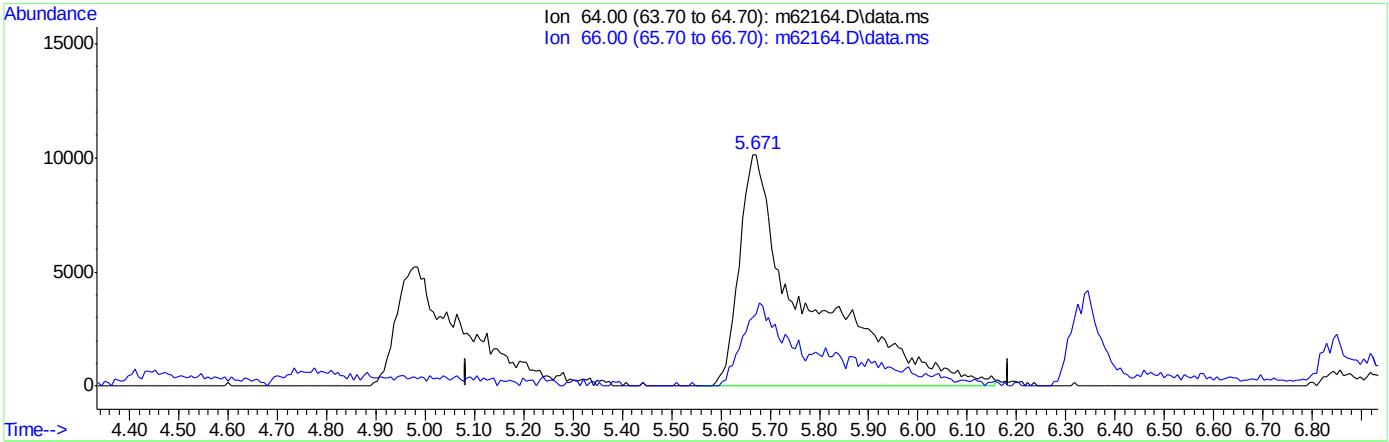
Ion	Exp%	Act%
64.00	100	0.00
66.00	28.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

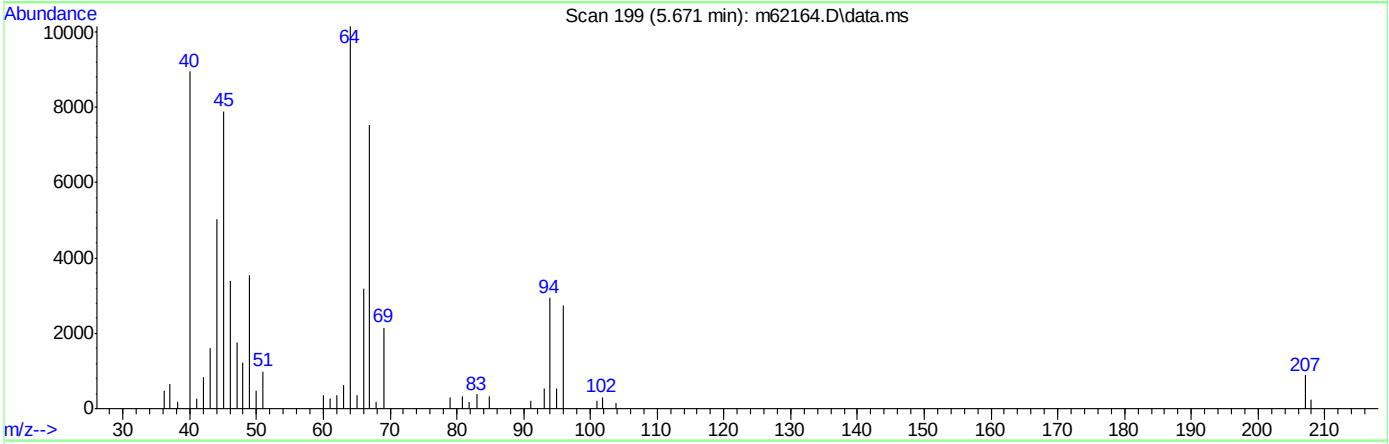
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(9) chloroethane (P)

5.671min (+0.007) 44.17ug/kg m

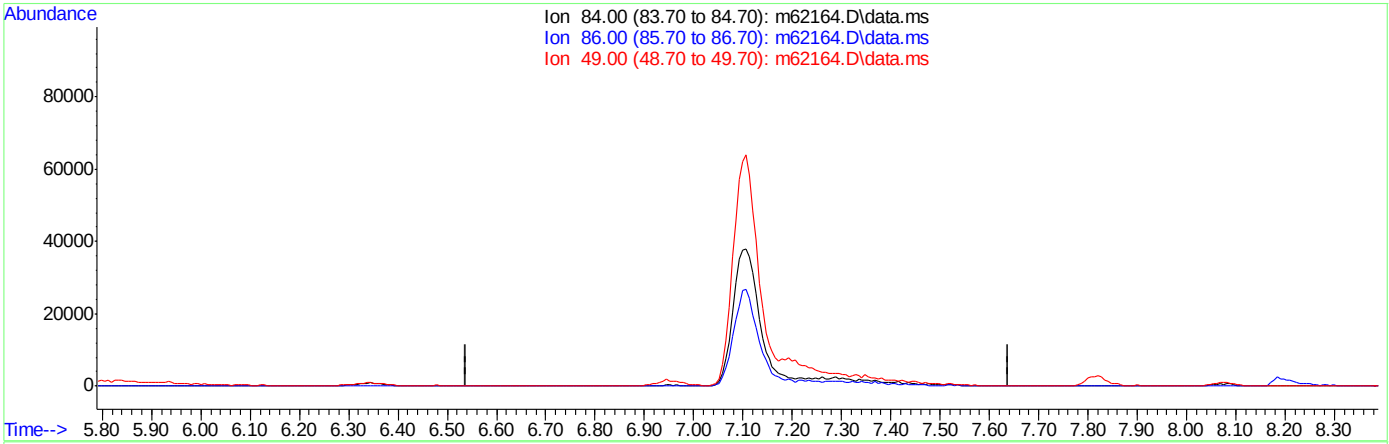
response 96912

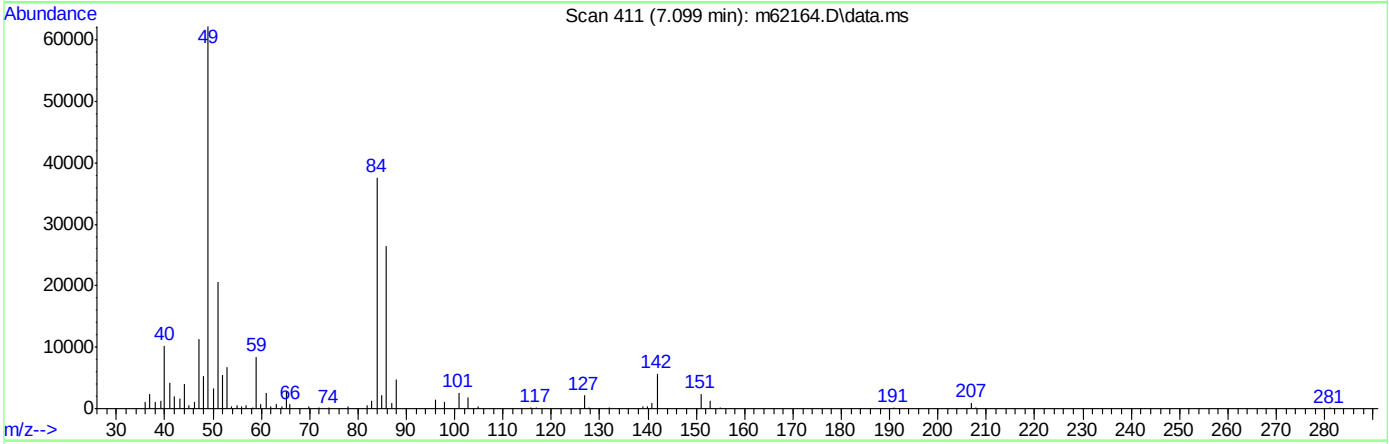
Ion	Exp%	Act%
64.00	100	100
66.00	28.60	31.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(18) methylene chloride (P)

7.099min (-7.099) 0.00ug/kg

response 0

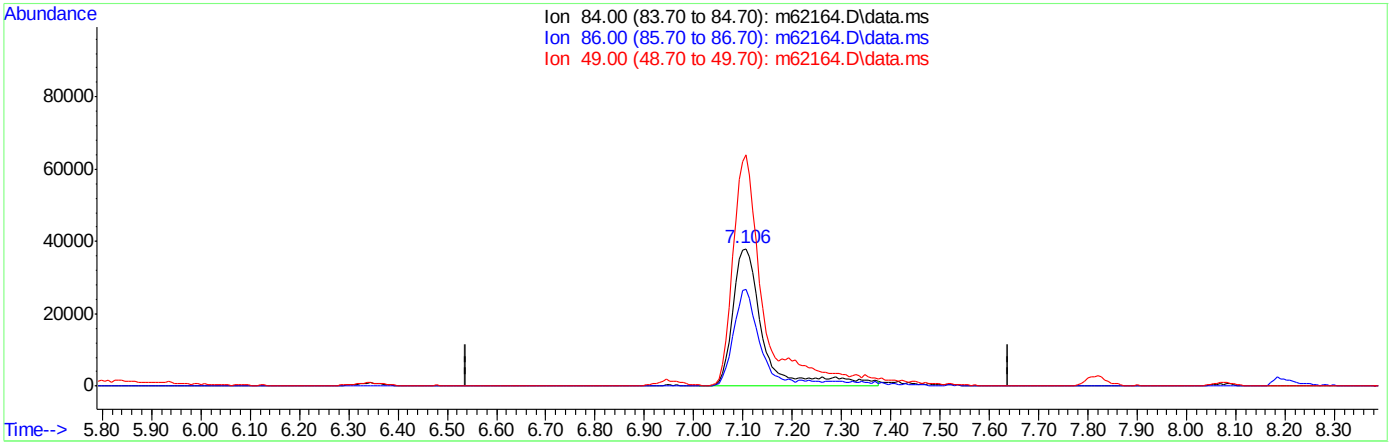
Ion	Exp%	Act%
84.00	100	0.00
86.00	67.80	0.00#
49.00	167.00	0.00#
0.00	0.00	0.00

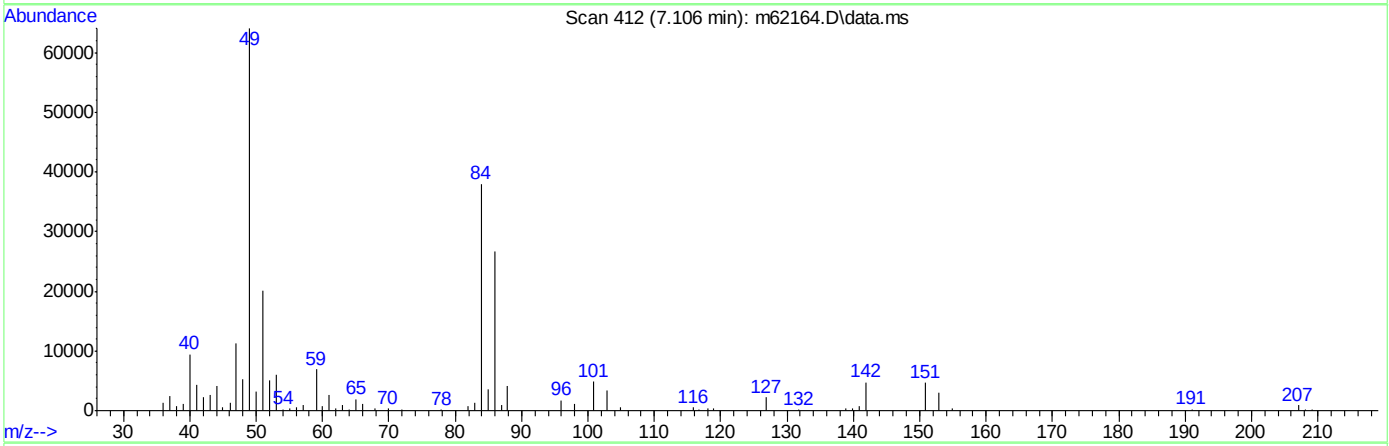
M62164.D edits: methylene chloride

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(18) methylene chloride (P)

7.106min (+0.007) 48.98ug/kg m

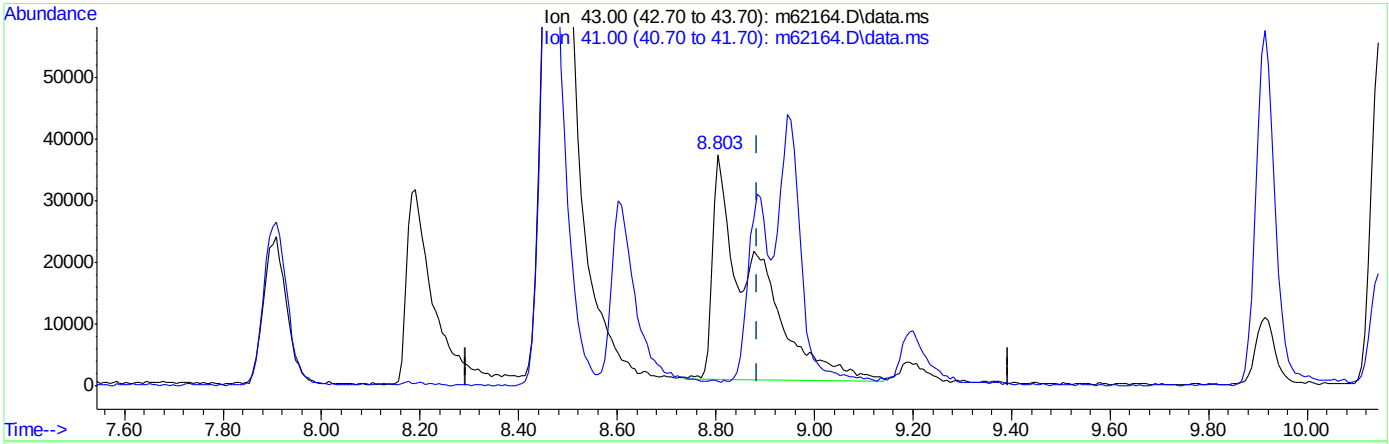
response 161660

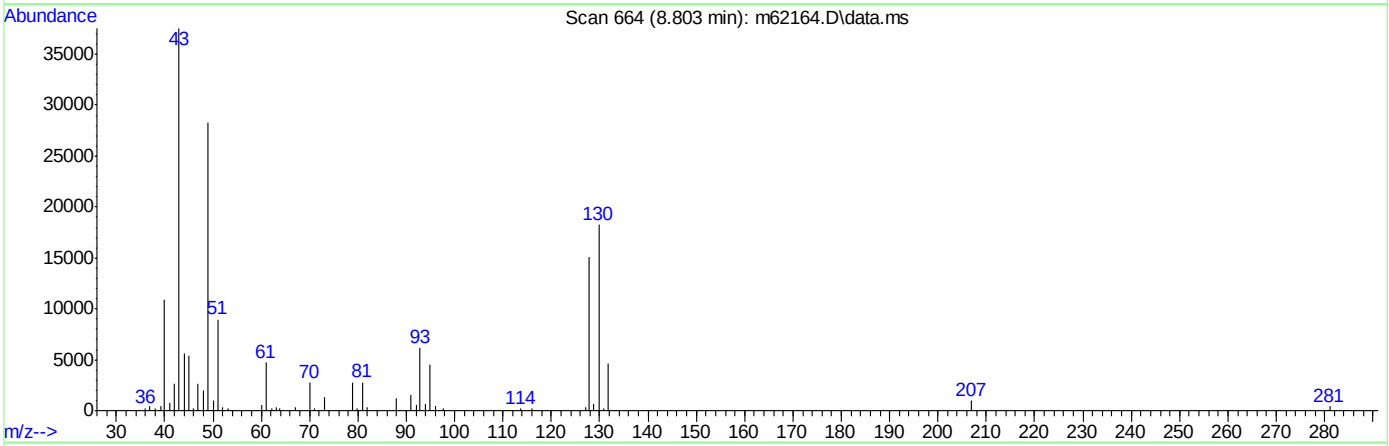
Ion	Exp%	Act%
84.00	100	100
86.00	67.80	70.18
49.00	167.00	168.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(33) isobutyl alcohol (P)

8.803min (-0.081) 596.72ug/kg

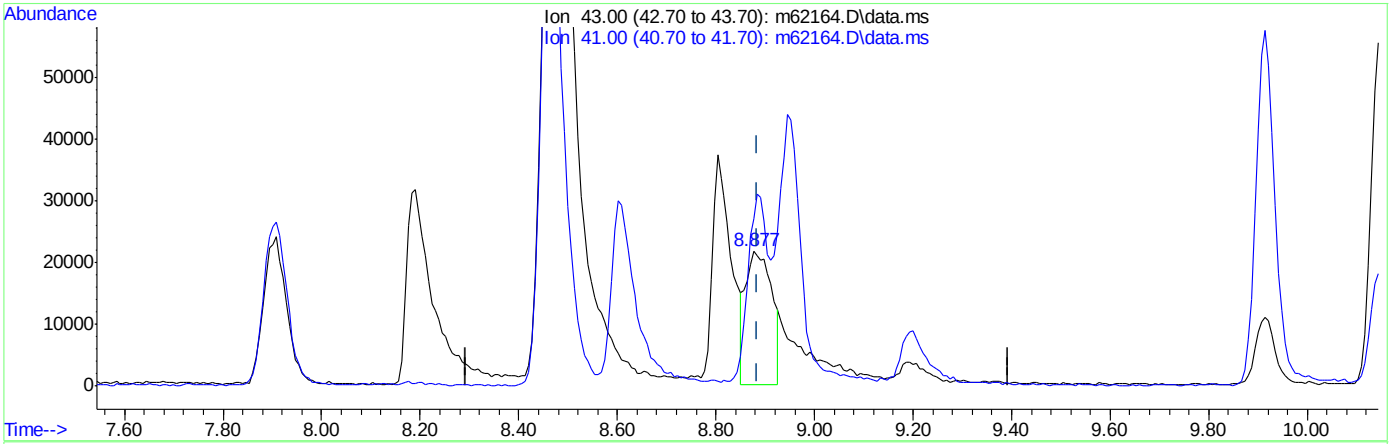
response 215345

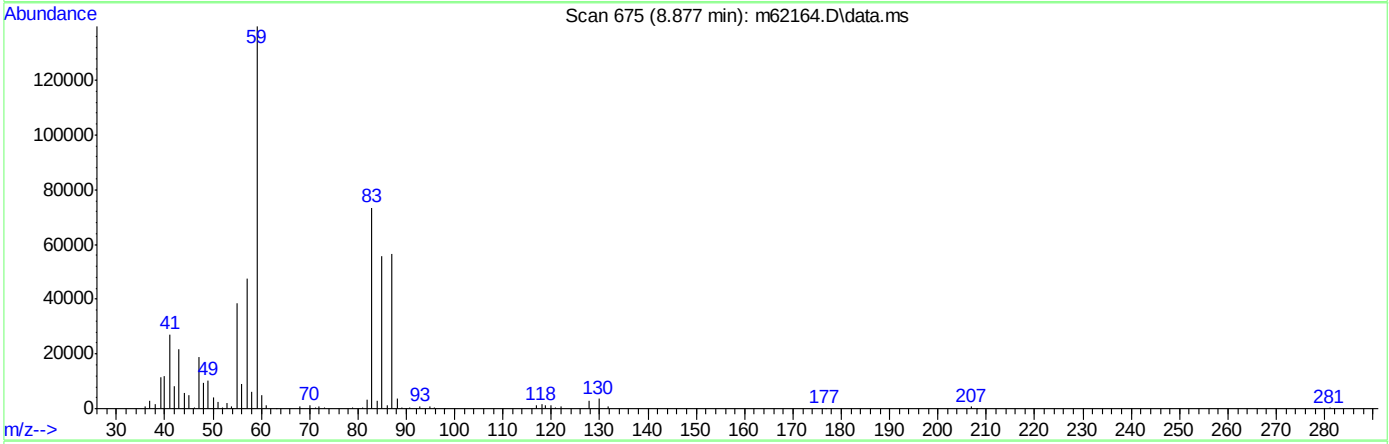
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(33) isobutyl alcohol (P)

8.877min (-0.007) 218.60ug/kg m

response 78889

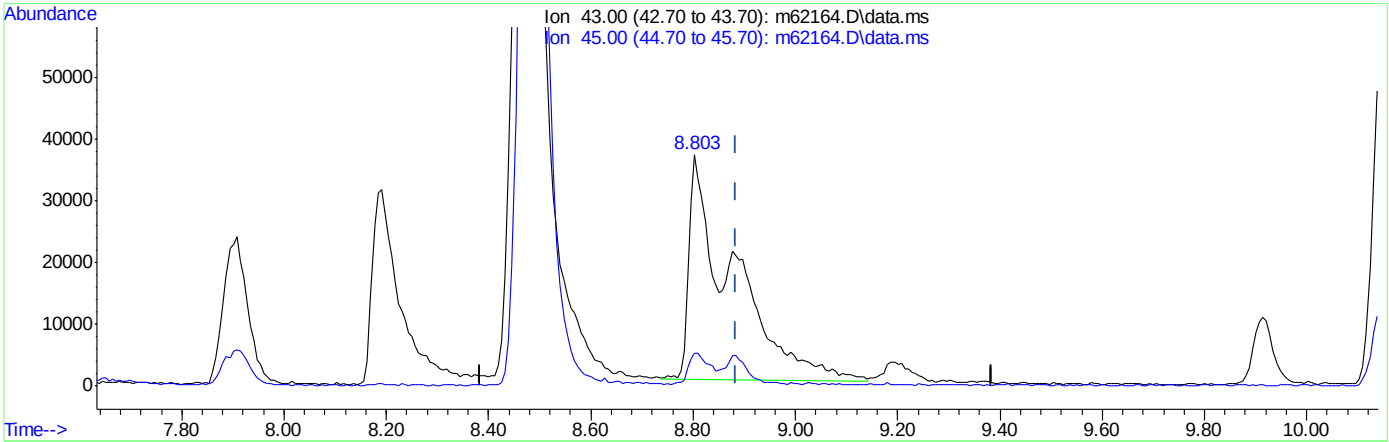
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	124.27
0.00	0.00	0.00
0.00	0.00	0.00

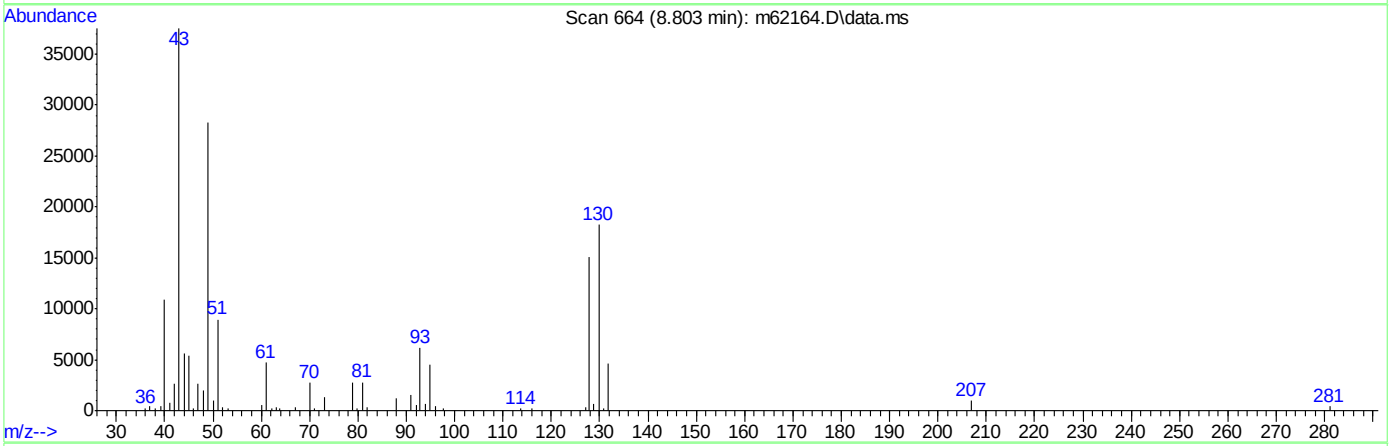
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(36) ethyl acetate (P)

8.803min (-0.081) 90.04ug/kg

response 215260

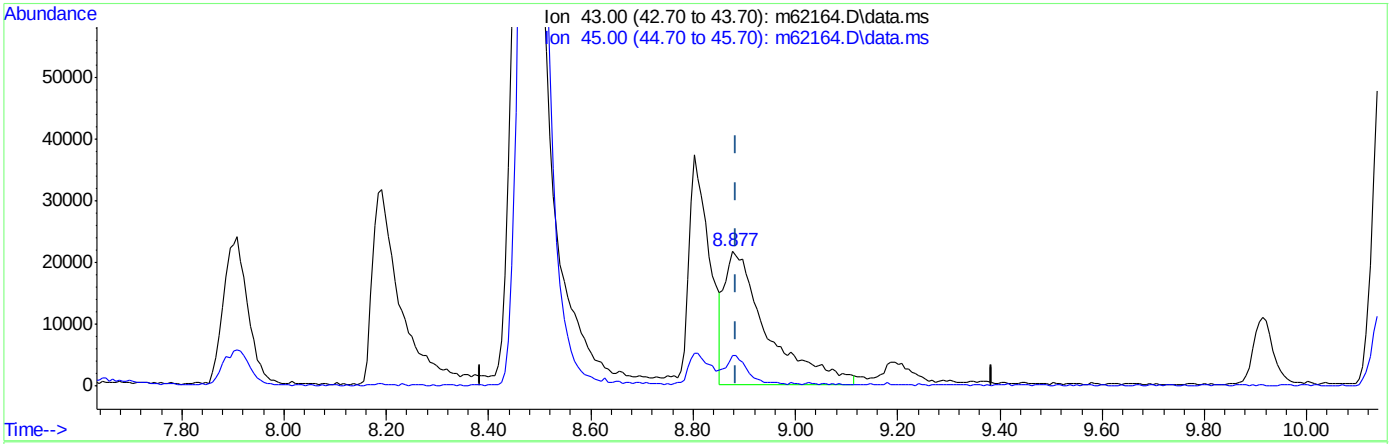
Ion	Exp%	Act%
43.00	100	100
45.00	22.10	14.15
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration



TIC: m62164.D\data.ms

(36) ethyl acetate (P)

8.877min (-0.007) 53.29ug/kg m

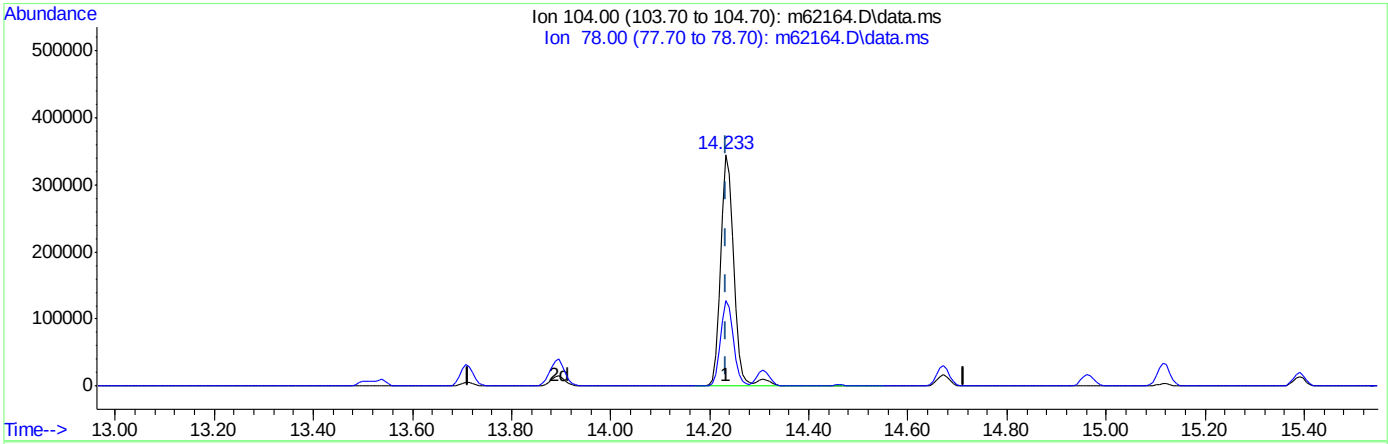
response 127411

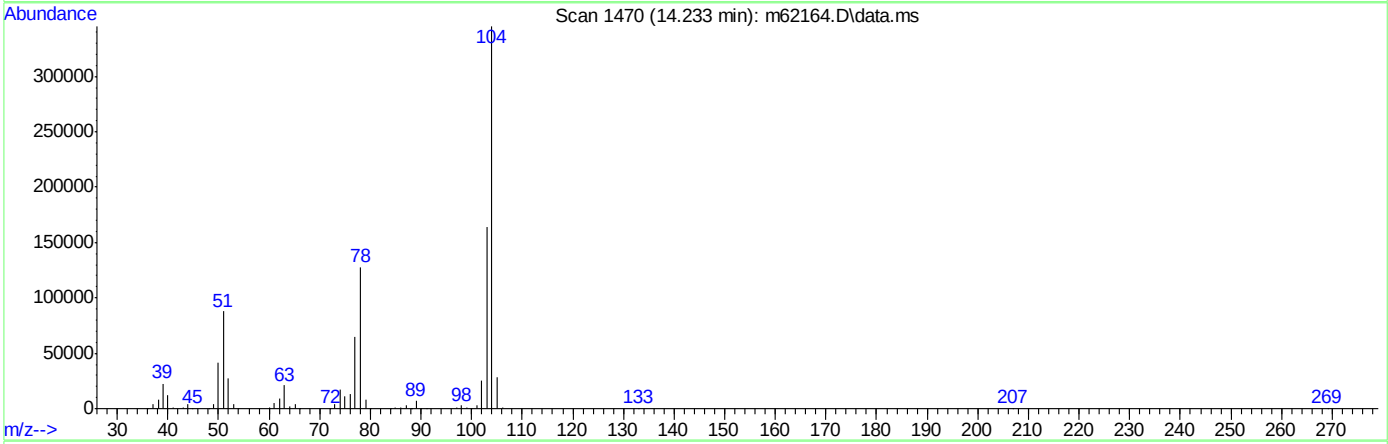
Ion	Exp%	Act%
43.00	100	100
45.00	22.10	22.49
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:08:55 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(76) styrene (P)

14.233min (-0.000) 57.38ug/kg

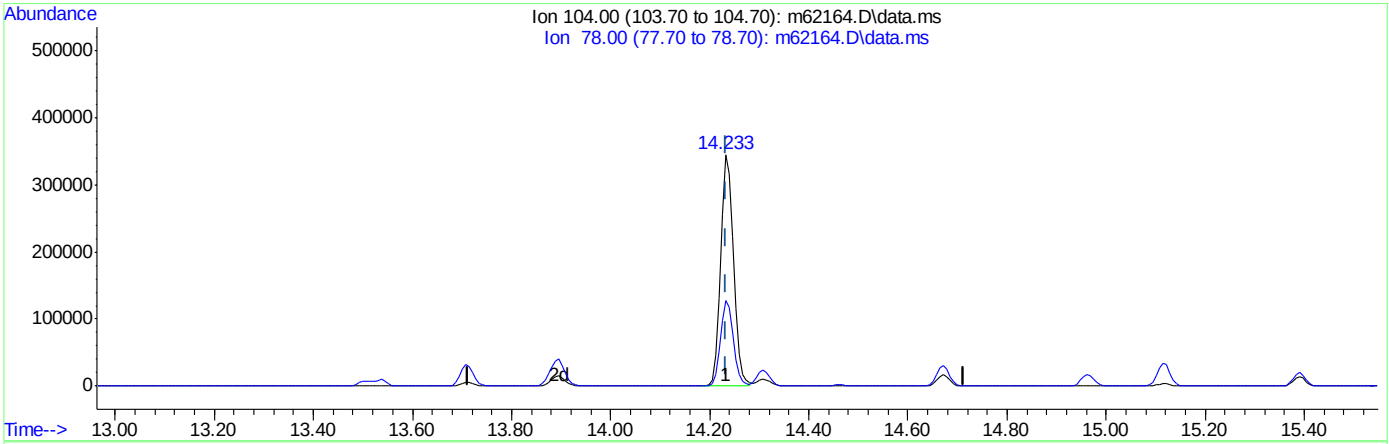
response 640029

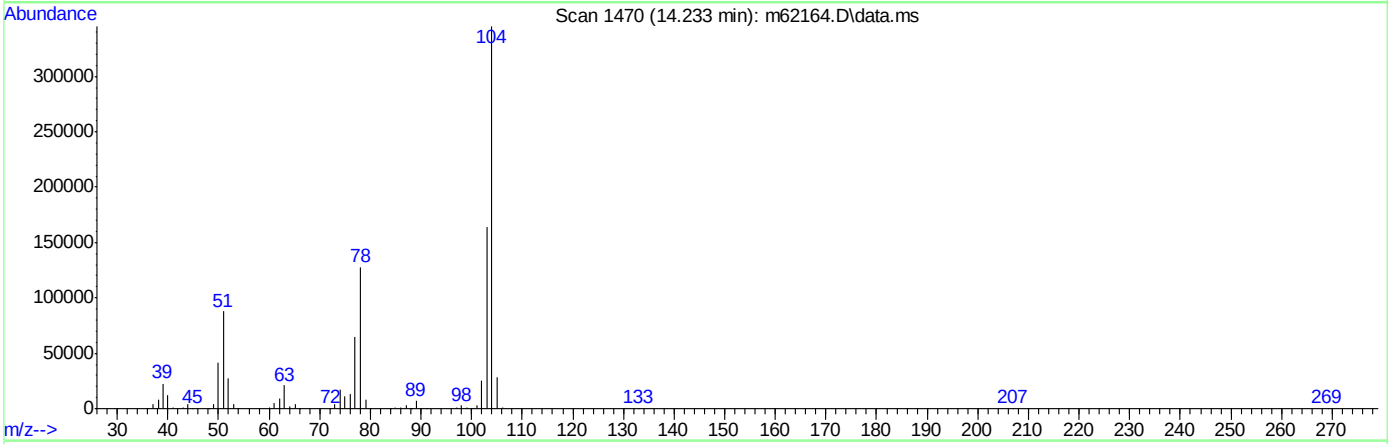
Ion	Exp%	Act%
104.00	100	100
78.00	39.00	37.10
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:08:55 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(76) styrene (P)

14.233min (-0.000) 55.17ug/kg m

response 615457

Ion	Exp%	Act%
104.00	100	100
78.00	39.00	37.10
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/10/13 10:40

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16660.D
Acq On : 9 Dec 2013 12:14 pm
Operator : garyk
Sample : mc26772-3Ams
Misc : ms30722,msu797,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 13:31:59 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.550	65	46921	500.00	ppb		0.00
4) pentafluorobenzene	8.967	168	142835	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.842	114	221310	50.00	ppb		0.00
66) chlorobenzene-d5	13.110	82	111032	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.676	152	111682	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.603	113	69467	63.23	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 126.46%				
60) toluene-d8 (s)	11.647	98	257735	56.48	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.96%				
82) bromofluorobenzene (s)	14.340	95	100939	51.97	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.94%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.260	59	66592	745.10	ppb		94
3) Ethanol	5.526	45	65910	4782.00	ppb	#	39
5) dichlorodifluoromethane	4.241	85	57360	43.35	ppb		100
6) chloromethane	4.510	50	131556	67.57	ppb		97
7) vinyl chloride	4.743	62	91456	47.89	ppb		100
8) bromomethane	5.236	96	45476	55.97	ppb		98
9) chloroethane	5.385	64	49204	60.11	ppb		97
10) ethyl ether	6.260	59	66592	52.48	ppb		95
11) acetonitrile	5.924	41	15477	71.11	ppb		80
12) trichlorofluoromethane	6.033	101	99903	51.16	ppb		98
13) freon-113	6.804	101	57675	50.68	ppb		96
14) acrolein	6.016	56	5013	22.84	ppb		66
15) 1,1-dichloroethene	6.605	96	59268	54.07	ppb		98
16) acetone	6.152	58	6142m	27.40	ppb		
17) Methyl Acetate	6.792	43	85087	48.56	ppb	#	93
18) methylene chloride	6.754	84	72887	52.95	ppb		94
19) methyl tert butyl ether	7.557	73	186578	47.11	ppb		91
20) acrylonitrile	6.662	53	66182	108.11	ppb		97
21) allyl chloride	6.849	41	144136	55.72	ppb		97
22) trans-1,2-dichloroethene	7.447	96	71273	55.84	ppb		96
23) iodomethane	6.661	142	100078	50.47	ppb		94
24) carbon disulfide	7.036	76	167623	42.90	ppb		97
25) propionitrile	8.069	54	7294	59.73	ppb		100
26) vinyl acetate	7.806	43	195803	61.12	ppb		99
27) chloroprene	8.069	53	143719	59.26	ppb		94
28) di-isopropyl ether	8.116	45	344741	59.42	ppb		94
29) methacrylonitrile	8.226	41	55214	53.74	ppb		90
30) 2-butanone	8.121	72	6975	37.37	ppb	#	12
31) Ethyl Acetate	8.107	43	281908	55.29	ug/L		93
32) Hexane	8.095	41	144755	54.48	ppb		91
33) 1,1-dichloroethane	7.702	63	158167	58.67	ppb		95
34) tert-butyl ethyl ether	8.516	59	272415	54.29	ppb		98
35) isobutyl alcohol	8.538	43	49101	269.59	ppb		76
36) 2,2-dichloropropane	8.568	77	92519	55.42	ppb		97

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16660.D
Acq On : 9 Dec 2013 12:14 pm
Operator : garyk
Sample : mc26772-3Ams
Misc : ms30722,msu797,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 13:31:59 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.279	96	81148	56.08	ppb		98
38)	bromochloromethane	8.442	128	36430	57.97	ppb		87
39)	chloroform	10.317	83	97328	49.96	ppb		95
41)	Tetrahydrofuran	8.821	42	26933	53.35	ppb		88
42)	1,1,1-trichloroethane	9.238	97	112497	57.80	ppb		98
44)	Cyclohexane	9.526	56	145502	53.16	ppb		92
45)	carbon tetrachloride	9.604	117	84296	52.82	ppb		98
46)	1,1-dichloropropene	9.415	75	99699	56.16	ppb		96
47)	benzene	9.640	78	293087	55.96	ppb		99
48)	1,2-dichloroethane	9.137	62	106294	53.34	ppb		98
49)	tert-amyl methyl ether	9.767	73	203913	50.61	ppb		95
50)	heptane	9.762	43	94062	58.23	ppb		94
51)	trichloroethene	10.264	95	76816	49.12	ppb		98
52)	1,2-dichloropropane	10.230	63	93459	57.94	ppb		98
53)	dibromomethane	10.203	93	46784	55.14	ppb		94
54)	bromodichloromethane	10.317	83	97328	52.32	ppb		96
55)	Methylcyclohexane	10.784	83	119768	54.52	ppb		99
56)	2-chloroethyl vinyl ether	10.780	63	1082	1.33	ppb	#	1
57)	methyl methacrylate	10.421	69	44568	52.81	ppb		97
58)	1,4-dioxane	10.460	88	1684m	137.03	ppb		
59)	cis-1,3-dichloropropene	10.940	75	119462	47.32	ppb		98
61)	4-methyl-2-pentanone	11.045	43	86446	52.91	ppb		94
62)	toluene	11.720	92	176895	53.67	ppb		97
63)	trans-1,3-dichloropropene	11.362	75	106163	49.36	ppb		94
64)	1,1,2-trichloroethane	11.534	83	56167	53.98	ppb		99
65)	ethyl methacrylate	11.744	69	85649	48.33	ppb		90
67)	tetrachloroethene	12.463	166	77124	57.58	ppb		92
68)	1,3-dichloropropane	11.772	76	108425	55.26	ppb		94
69)	dibromochloromethane	12.062	129	67164	50.53	ppb		100
70)	1,2-dibromoethane	12.314	107	66651	55.22	ppb		99
71)	2-hexanone	11.919	43	59303	43.01	ppb		95
72)	chlorobenzene	13.145	112	198565	55.71	ppb		98
73)	1,1,1,2-tetrachloroethane	13.063	131	71603	58.38	ppb		99
74)	ethylbenzene	13.321	91	346912	54.79	ppb		98
75)	m,p-xylene	13.506	106	259669	106.36	ppb		96
76)	o-xylene	13.919	106	129180	53.61	ppb		95
77)	styrene	13.846	104	209271	54.74	ppb		99
78)	bromoform	13.672	173	45833	47.33	ppb		91
79)	trans-1,4-dichloro-2-b...	14.074	53	13275	21.43	ppb	#	1
81)	isopropylbenzene	14.283	105	336992	54.19	ppb		99
83)	bromobenzene	14.571	156	93493	56.71	ppb		91
84)	1,1,2,2-tetrachloroethane	13.924	83	87380	65.95	ppb		97
85)	1,2,3-trichloropropane	14.073	75	79071	38.96	ppb		98
86)	n-propylbenzene	14.729	91	397687	51.20	ppb		100
87)	2-chlorotoluene	14.847	91	247449	50.65	ppb		97
88)	4-chlorotoluene	14.923	91	260907	51.73	ppb		97
89)	1,3,5-trimethylbenzene	15.007	105	290623	52.17	ppb		98
90)	tert-butylbenzene	15.313	91	166811	50.27	ppb		97
91)	1,2,4-trimethylbenzene	15.416	105	286662	50.92	ppb		99
92)	sec-butylbenzene	15.536	105	381217	52.91	ppb		97

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16660.D
Acq On : 9 Dec 2013 12:14 pm
Operator : garyk
Sample : mc26772-3Ams
Misc : ms30722,msu797,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 13:31:59 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

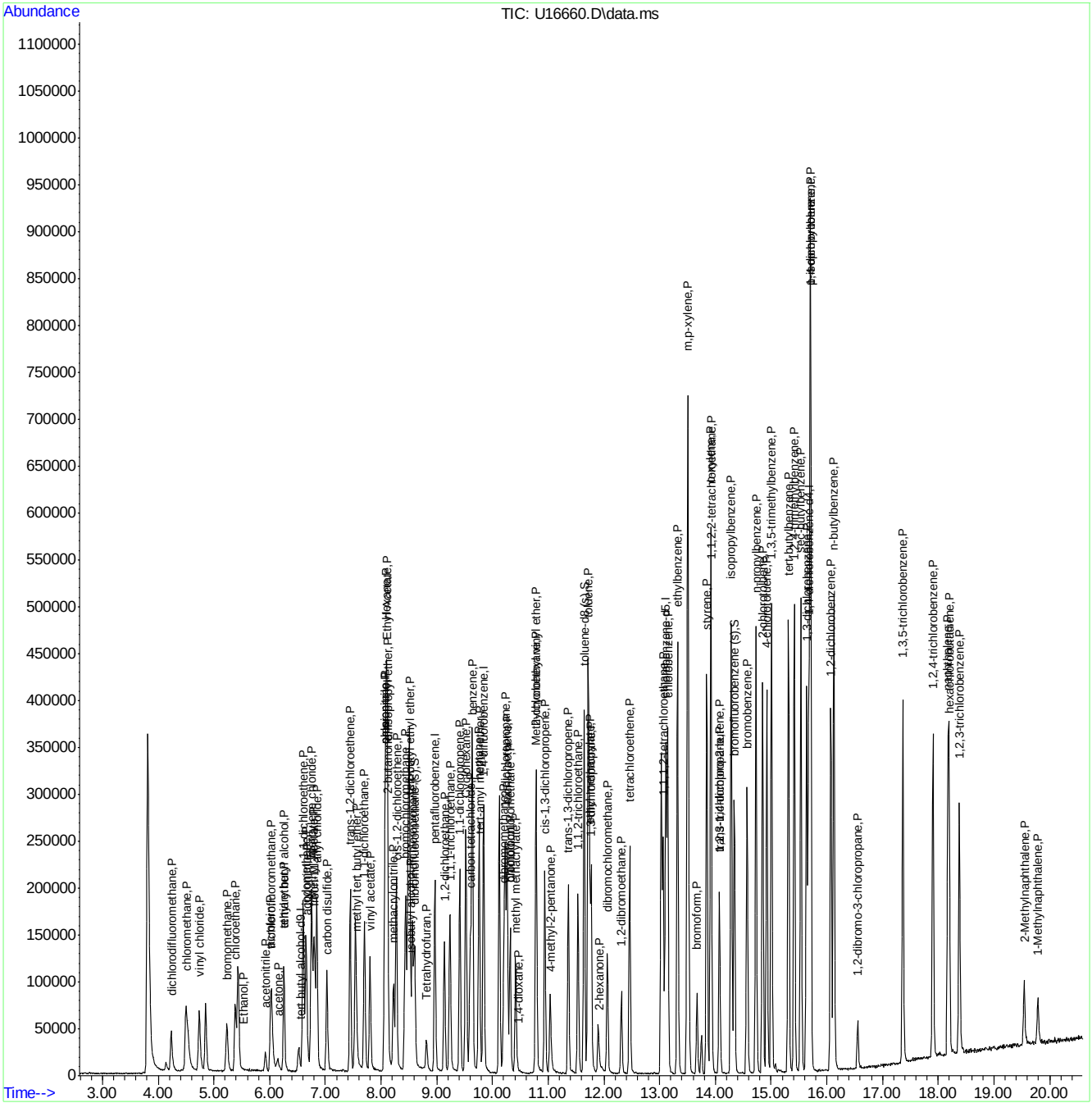
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.638	146	186119	55.45	ppb	95
94) p-isopropyltoluene	15.708	119	309059	54.06	ppb	97
95) 1,4-dichlorobenzene	15.705	146	184108	54.78	ppb	99
96) 1,2-dichlorobenzene	16.074	146	177684	53.06	ppb	95
97) n-butylbenzene	16.128	91	309775	51.90	ppb	99
98) 1,2-dibromo-3-chloropr...	16.557	75	14823	42.56	ppb	90
99) 1,3,5-trichlorobenzene	17.367	180	133843	52.57	ug/L	100
100) 1,2,4-trichlorobenzene	17.907	180	122137	50.46	ppb	99
101) hexachlorobutadiene	18.196	225	66069	51.47	ppb	98
102) naphthalene	18.174	128	240423	44.80	ppb	100
103) 2-Methylnaphthalene	19.547	142	41710	16.44	ug/L	99
104) 1-Methylnaphthalene	19.791	142	31113	15.80	ug/L	97
105) 1,2,3-trichlorobenzene	18.380	180	99098	45.50	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16660.D
Acq On : 9 Dec 2013 12:14 pm
Operator : garyk
Sample : mc26772-3Ams
Misc : ms30722,msu797,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 13:31:59 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/10/13 10:40

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16661.D
Acq On : 9 Dec 2013 12:41 pm
Operator : garyk
Sample : mc26772-3Amsd
Misc : ms30722,msu797,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 13:31:42 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.548	65	50697	500.00	ppb		0.00
4) pentafluorobenzene	8.967	168	144634	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.843	114	226633	50.00	ppb		0.00
66) chlorobenzene-d5	13.110	82	113688	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.676	152	113833	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.604	113	69521	62.49	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 124.98%				
60) toluene-d8 (s)	11.647	98	260997	55.86	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.72%				
82) bromofluorobenzene (s)	14.340	95	102324	51.68	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.36%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.260	59	65622	679.56	ppb		84
3) Ethanol	5.434	45	61191	4108.95	ppb		96
5) dichlorodifluoromethane	4.244	85	55794	41.64	ppb		96
6) chloromethane	4.511	50	132536	67.23	ppb		98
7) vinyl chloride	4.746	62	90964	47.04	ppb		95
8) bromomethane	5.238	96	45007	54.71	ppb		100
9) chloroethane	5.386	64	48631	58.67	ppb		99
10) ethyl ether	6.260	59	65622	51.07	ppb		98
11) acetonitrile	5.926	41	14486	65.73	ppb		83
12) trichlorofluoromethane	6.034	101	97877	49.49	ppb		97
13) freon-113	6.804	101	55287	47.97	ppb		96
14) acrolein	6.024	56	4724	21.26	ppb		92
15) 1,1-dichloroethene	6.604	96	57648	51.94	ppb		97
16) acetone	6.157	58	7231	31.86	ppb	#	59
17) Methyl Acetate	6.790	43	82835	46.69	ppb	#	91
18) methylene chloride	6.754	84	72328	51.89	ppb		89
19) methyl tert butyl ether	7.557	73	185070	46.15	ppb		92
20) acrylonitrile	6.660	53	66454	107.20	ppb		99
21) allyl chloride	6.848	41	139223	53.15	ppb		96
22) trans-1,2-dichloroethene	7.449	96	69199	53.54	ppb		96
23) iodomethane	6.662	142	96381	48.00	ppb		99
24) carbon disulfide	7.035	76	161803	40.90	ppb		100
25) propionitrile	8.070	54	7151	57.83	ppb		100
26) vinyl acetate	7.805	43	195194	60.18	ppb		97
27) chloroprene	8.069	53	141299	57.53	ppb		96
28) di-isopropyl ether	8.114	45	339190	57.73	ppb		95
29) methacrylonitrile	8.227	41	56872	54.67	ppb		91
30) 2-butanone	8.123	72	7220	38.20	ppb	#	1
31) Ethyl Acetate	8.106	43	276109	53.48	ug/L		92
32) Hexane	8.096	41	141387	52.55	ppb		96
33) 1,1-dichloroethane	7.702	63	152664	55.93	ppb		97
34) tert-butyl ethyl ether	8.516	59	269068	52.96	ppb		98
35) isobutyl alcohol	8.538	43	47957	260.03	ppb		77
36) 2,2-dichloropropane	8.571	77	91190	53.95	ppb		97

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16661.D
Acq On : 9 Dec 2013 12:41 pm
Operator : garyk
Sample : mc26772-3Amsd
Misc : ms30722,msu797,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 13:31:42 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.275	96	76278	52.06	ppb		92
38)	bromochloromethane	8.443	128	35418	55.66	ppb	#	83
39)	chloroform	10.319	83	98767	50.07	ppb		98
41)	Tetrahydrofuran	8.819	42	26421	51.68	ppb		89
42)	1,1,1-trichloroethane	9.241	97	112084	56.87	ppb		95
44)	Cyclohexane	9.527	56	140439	50.10	ppb		89
45)	carbon tetrachloride	9.603	117	81283	49.74	ppb		100
46)	1,1-dichloropropene	9.415	75	96316	52.98	ppb		94
47)	benzene	9.641	78	287693	53.60	ppb		99
48)	1,2-dichloroethane	9.138	62	105446	51.68	ppb		97
49)	tert-amyl methyl ether	9.767	73	201609	48.86	ppb		95
50)	heptane	9.764	43	93834	56.72	ppb		98
51)	trichloroethene	10.264	95	76265	47.62	ppb		99
52)	1,2-dichloropropane	10.230	63	90451	54.76	ppb		98
53)	dibromomethane	10.204	93	47458	54.62	ppb		96
54)	bromodichloromethane	10.319	83	98767	51.85	ppb		98
55)	Methylcyclohexane	10.785	83	115829	51.49	ppb		97
56)	2-chloroethyl vinyl ether	10.776	63	1223	1.46	ppb	#	1
57)	methyl methacrylate	10.419	69	43665	50.53	ppb		89
58)	1,4-dioxane	10.450	88	1961m	153.83	ppb		
59)	cis-1,3-dichloropropene	10.941	75	118347	45.78	ppb		99
61)	4-methyl-2-pentanone	11.043	43	84672	50.60	ppb		94
62)	toluene	11.720	92	175029	51.85	ppb		98
63)	trans-1,3-dichloropropene	11.362	75	106512	48.36	ppb		97
64)	1,1,2-trichloroethane	11.535	83	57170	53.66	ppb		96
65)	ethyl methacrylate	11.745	69	85930	47.35	ppb		86
67)	tetrachloroethene	12.463	166	76150	55.53	ppb		93
68)	1,3-dichloropropane	11.771	76	109186	54.35	ppb		96
69)	dibromochloromethane	12.062	129	68233	50.14	ppb		93
70)	1,2-dibromoethane	12.315	107	65636	53.11	ppb		92
71)	2-hexanone	11.921	43	60879	43.12	ppb		98
72)	chlorobenzene	13.145	112	193027	52.81	ppb		99
73)	1,1,1,2-tetrachloroethane	13.064	131	71174	56.67	ppb		99
74)	ethylbenzene	13.321	91	338287	52.18	ppb		99
75)	m,p-xylene	13.506	106	257388	102.96	ppb		94
76)	o-xylene	13.919	106	127732	51.77	ppb		97
77)	styrene	13.847	104	208284	53.21	ppb		99
78)	bromoform	13.672	173	45916	46.31	ppb		98
79)	trans-1,4-dichloro-2-b...	14.074	53	14994	23.64	ppb	#	17
81)	isopropylbenzene	14.283	105	326904	51.57	ppb		98
83)	bromobenzene	14.571	156	92628	55.12	ppb		90
84)	1,1,2,2-tetrachloroethane	13.924	83	86914	64.41	ppb		98
85)	1,2,3-trichloropropane	14.073	75	81208	39.26	ppb		97
86)	n-propylbenzene	14.729	91	392656	49.60	ppb		100
87)	2-chlorotoluene	14.847	91	242597	48.72	ppb		96
88)	4-chlorotoluene	14.923	91	256527	49.90	ppb		98
89)	1,3,5-trimethylbenzene	15.007	105	285583	50.30	ppb		98
90)	tert-butylbenzene	15.313	91	164759	48.72	ppb		99
91)	1,2,4-trimethylbenzene	15.416	105	284634	49.60	ppb		98
92)	sec-butylbenzene	15.536	105	372486	50.72	ppb		95

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16661.D
Acq On : 9 Dec 2013 12:41 pm
Operator : garyk
Sample : mc26772-3Amsd
Misc : ms30722,msu797,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 13:31:42 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

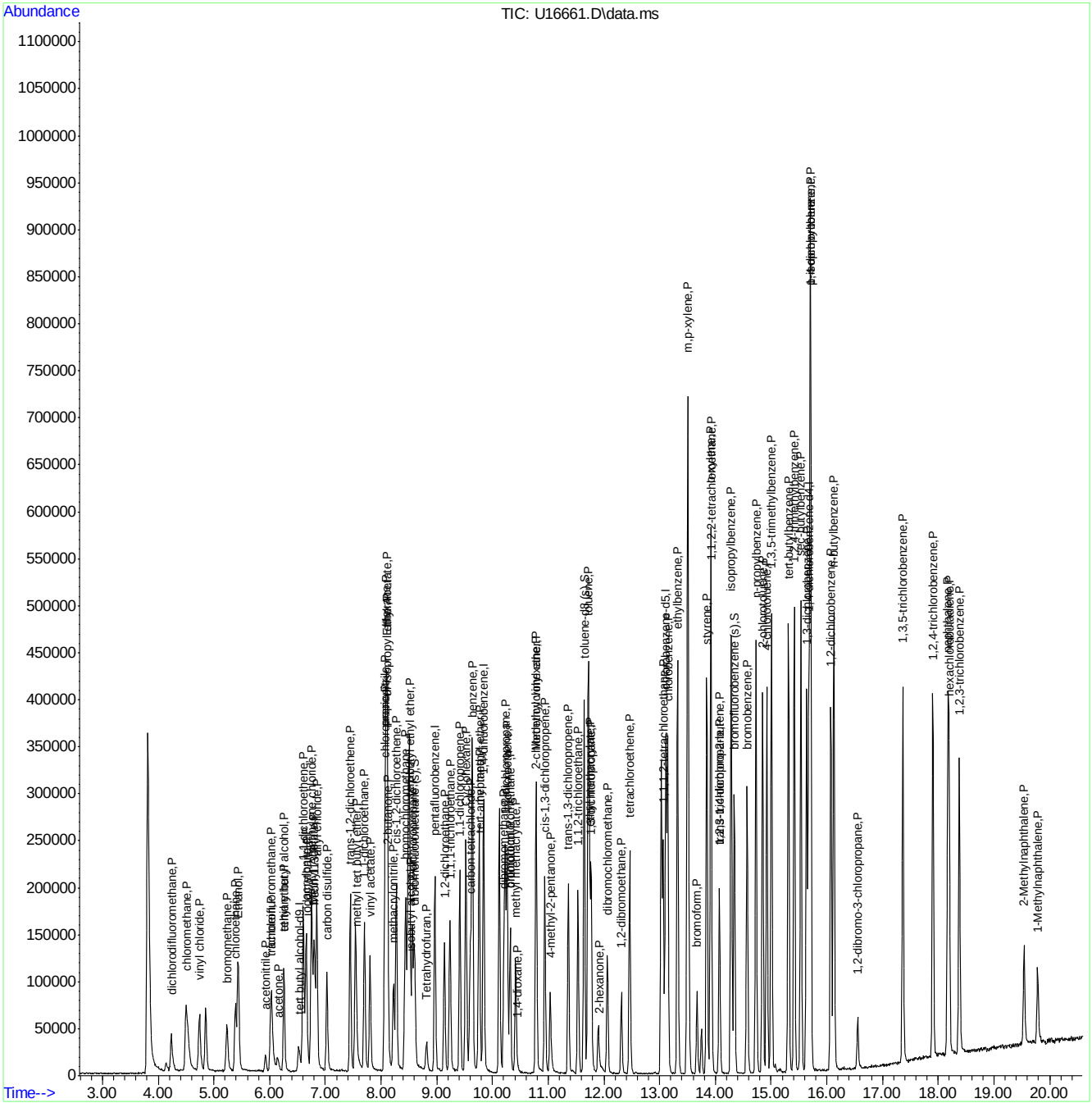
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.637	146	181953	53.18	ppb	97
94) p-isopropyltoluene	15.708	119	309859	53.17	ppb	98
95) 1,4-dichlorobenzene	15.704	146	185773	54.23	ppb	98
96) 1,2-dichlorobenzene	16.074	146	178244	52.22	ppb	98
97) n-butylbenzene	16.128	91	307584	50.55	ppb	100
98) 1,2-dibromo-3-chloropr...	16.558	75	15851	44.65	ppb	97
99) 1,3,5-trichlorobenzene	17.367	180	140547	54.16	ug/L	99
100) 1,2,4-trichlorobenzene	17.906	180	135813	55.05	ppb	97
101) hexachlorobutadiene	18.195	225	67738	51.77	ppb	92
102) naphthalene	18.174	128	269278	49.23	ppb	100
103) 2-Methylnaphthalene	19.544	142	65193	25.21	ug/L	98
104) 1-Methylnaphthalene	19.790	142	51049	25.43	ug/L	94
105) 1,2,3-trichlorobenzene	18.380	180	117209	52.80	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16661.D
Acq On : 9 Dec 2013 12:41 pm
Operator : garyk
Sample : mc26772-3Amsd
Misc : ms30722,msu797,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 13:31:42 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83115.D
Acq On : 10 Dec 2013 9:57 pm
Operator : jaclynb
Sample : mc26922-3ms
Misc : ms30726,MSN3101,,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Dec 11 08:06:21 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.770	65	76573	500.00	ug/L		0.00
4) pentafluorobenzene	9.209	168	215834	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.086	114	328133	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	172996	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	153941	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	96833	45.90	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.80%				
60) toluene-d8 (s)	11.882	98	392749	49.56	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.12%				
82) bromofluorobenzene (s)	14.561	95	150988	46.41	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.82%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.858	59	107817	532.00	ug/L		87
3) Ethanol	5.617	45	152531	5049.63	ug/L		98
5) dichlorodifluoromethane	4.426	85	133260	44.30	ug/L		100
6) chloromethane	4.684	50	132100	44.86	ug/L		97
7) vinyl chloride	4.938	62	138538	38.26	ug/L		99
8) bromomethane	5.451	96	48966	37.48	ug/L		97
9) chloroethane	5.617	64	81622	52.29	ug/L		100
10) ethyl ether	6.511	59	97634	43.98	ug/L		92
12) trichlorofluoromethane	6.278	101	171667	41.90	ug/L		100
13) freon-113	7.049	101	108439	47.40	ug/L		95
14) acrolein	6.271	56	13247	26.26	ug/L		94
15) 1,1-dichloroethene	6.861	96	97719	55.08	ug/L		90
16) acetone	6.402	58	9831	31.22	ug/L		87
17) Methyl Acetate	7.042	43	124583	34.14	ug/L		96
18) methylene chloride	7.013	84	114545	44.80	ug/L		87
19) methyl tert butyl ether	7.795	73	223711	41.95	ug/L		97
20) acrylonitrile	6.914	53	86529	90.16	ug/L		100
21) allyl chloride	7.109	41	185672	50.61	ug/L		92
22) trans-1,2-dichloroethene	7.710	96	105235	44.86	ug/L		94
23) iodomethane	6.929	142	86133	39.51	ug/L		92
24) carbon disulfide	7.296	76	347483	48.15	ug/L		100
25) propionitrile	6.826	54	2437	59.36	ug/L		100
26) vinyl acetate	7.042	43	124583	34.14	ug/L		92
27) chloroprene	8.325	53	197495	51.97	ug/L		92
28) di-isopropyl ether	8.357	45	427576	47.80	ug/L		90
29) methacrylonitrile	8.481	41	66434	42.84	ug/L		94
30) 2-butanone	8.375	72	11397	42.21	ug/L	#	1
31) Hexane	8.343	41	188414	47.40	ug/L	#	88
32) 1,1-dichloroethane	7.961	63	226406	45.83	ug/L		99
33) tert-butyl ethyl ether	8.749	59	232453	42.23	ug/L		93
34) isobutyl alcohol	8.350	43	346686	230.10	ug/L		66
35) 2,2-dichloropropane	8.820	77	137395	50.03	ug/L		97
36) cis-1,2-dichloroethene	8.534	96	115336	43.55	ug/L		98
37) ethyl acetate	8.350	43	346686	45.66	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83115.D
Acq On : 10 Dec 2013 9:57 pm
Operator : jaclynb
Sample : mc26922-3ms
Misc : ms30726,MSN3101,,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Dec 11 08:06:21 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.700	128	52736	46.96	ug/L		94
39) chloroform	8.735	83	203775	44.71	ug/L		97
41) Tetrahydrofuran	9.064	42	29705	42.44	ug/L		93
42) 1,1,1-trichloroethane	9.492	97	166543	50.23	ug/L		99
44) Cyclohexane	9.767	56	219954	49.27	ug/L		93
45) carbon tetrachloride	9.852	117	139196	51.80	ug/L		97
46) 1,1-dichloropropene	9.665	75	154113	50.25	ug/L		97
47) benzene	9.891	78	455973	45.76	ug/L		99
48) 1,2-dichloroethane	9.389	62	154706	43.51	ug/L		99
49) tert-amyl methyl ether	9.997	73	176135	42.15	ug/L		91
50) heptane	10.351	43	143510	45.68	ug/L		91
51) trichloroethene	10.506	95	119531	46.42	ug/L		99
52) 1,2-dichloropropane	10.475	63	136908	49.00	ug/L		99
53) dibromomethane	10.446	93	69753	46.08	ug/L		95
54) bromodichloromethane	10.559	83	158560	46.14	ug/L		100
55) Methylcyclohexane	11.019	83	208993	48.91	ug/L		97
57) methyl methacrylate	10.641	69	68844	46.47	ug/L	#	80
58) 1,4-dioxane	10.648	88	5570	235.24	ug/L	#	56
59) cis-1,3-dichloropropene	11.175	75	170272	46.67	ug/L		97
61) 4-methyl-2-pentanone	11.259	43	110883	48.03	ug/L		93
62) toluene	11.956	92	275846	48.73	ug/L		100
63) trans-1,3-dichloropropene	11.588	75	144879	47.53	ug/L		98
64) 1,1,2-trichloroethane	11.765	83	89975	46.54	ug/L		99
65) ethyl methacrylate	11.959	69	134314	49.60	ug/L		85
67) tetrachloroethene	12.691	166	121341	46.94	ug/L		97
68) 1,3-dichloropropane	12.002	76	172718	47.73	ug/L		98
69) dibromochloromethane	12.292	129	114991	48.18	ug/L		99
70) 1,2-dibromoethane	12.543	107	101414	47.65	ug/L		100
71) 2-hexanone	12.115	43	71682	47.28	ug/L		95
72) chlorobenzene	13.373	112	293208	46.23	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.289	131	101892	47.32	ug/L		98
74) ethylbenzene	13.543	91	550535	48.76	ug/L		99
75) m,p-xylene	13.727	106	420916	95.05	ug/L		93
76) o-xylene	14.141	106	206142	46.47	ug/L		96
77) styrene	14.066	104	321641	50.13	ug/L		98
78) bromoform	13.897	173	75237	47.07	ug/L		100
79) trans-1,4-dichloro-2-b...	14.286	53	24763	42.54	ug/L	#	40
81) isopropylbenzene	14.498	105	550496	47.34	ug/L		97
83) bromobenzene	14.795	156	125552	45.78	ug/L		99
84) 1,1,2,2-tetrachloroethane	14.141	83	139179	45.56	ug/L		95
85) 1,2,3-trichloropropane	14.289	75	130449	44.90	ug/L		98
86) n-propylbenzene	14.943	91	648441	46.10	ug/L		98
87) 2-chlorotoluene	15.070	91	389190	45.32	ug/L		100
88) 4-chlorotoluene	15.145	91	403360	47.05	ug/L		99
89) 1,3,5-trimethylbenzene	15.219	105	474680	45.53	ug/L		98
90) tert-butylbenzene	15.526	91	287408	47.93	ug/L		96
91) 1,2,4-trimethylbenzene	15.633	105	460444	45.58	ug/L		97
92) sec-butylbenzene	15.746	105	657262	49.13	ug/L		100
93) 1,3-dichlorobenzene	15.855	146	254531	45.90	ug/L		98
94) p-isopropyltoluene	15.915	119	522436	50.74	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83115.D
Acq On : 10 Dec 2013 9:57 pm
Operator : jaclynb
Sample : mc26922-3ms
Misc : ms30726,MSN3101,,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Dec 11 08:06:21 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

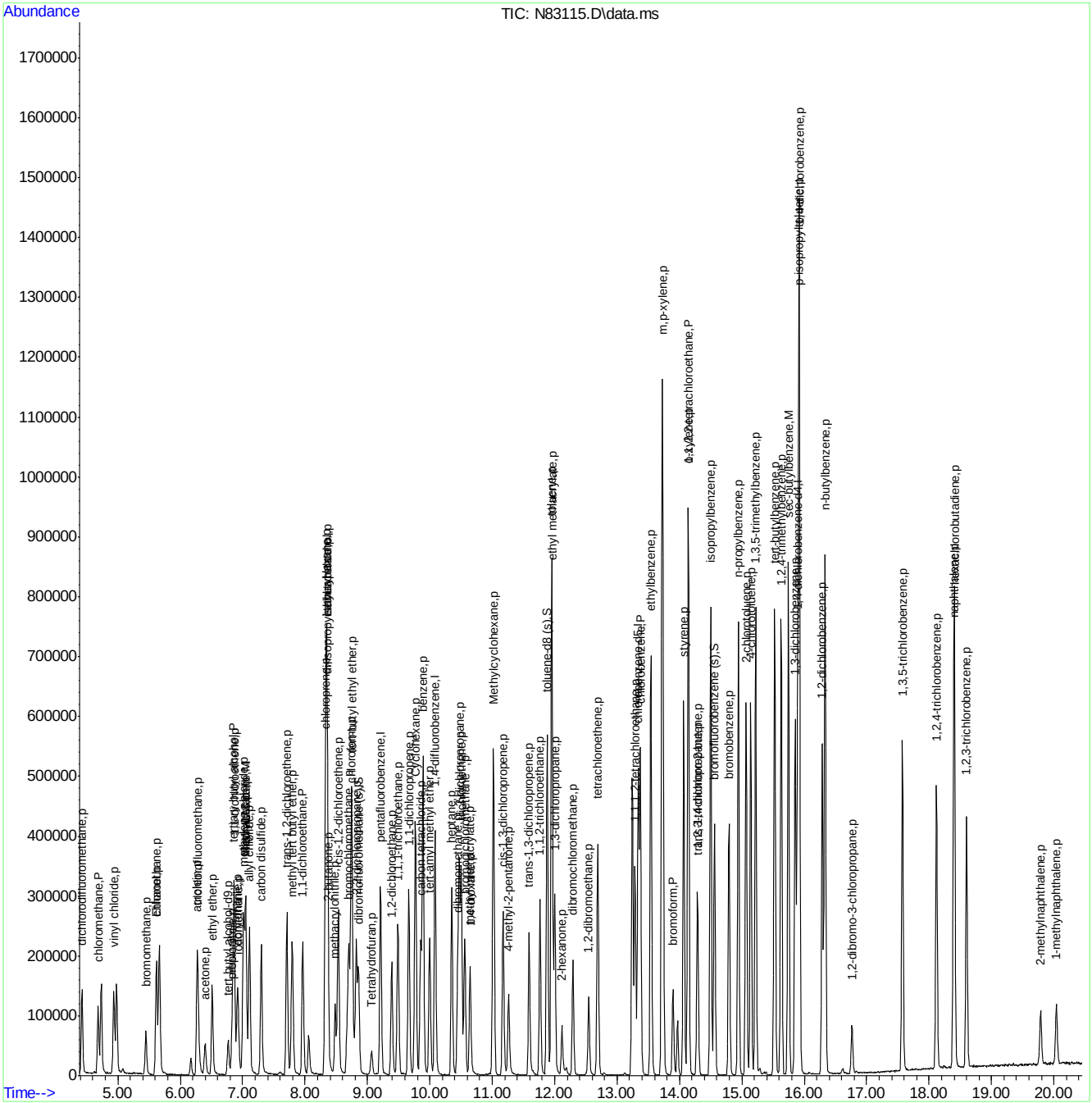
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	1,4-dichlorobenzene	15.922	146	256615	47.58	ug/L	95
96)	1,2-dichlorobenzene	16.287	146	244298	45.17	ug/L	97
97)	n-butylbenzene	16.333	91	525588	51.98	ug/L	99
98)	1,2-dibromo-3-chloropr...	16.764	75	22910	46.21	ug/L	90
99)	1,2,4-trichlorobenzene	18.118	180	164141	53.72	ug/L	100
100)	1,3,5-trichlorobenzene	17.573	180	187287	49.46	ug/L	99
101)	hexachlorobutadiene	18.408	225	120189	52.85	ug/L	95
102)	naphthalene	18.394	128	344171	55.44	ug/L	100
103)	1,2,3-trichlorobenzene	18.599	180	152162	51.81	ug/L	96
104)	2-methylnaphthalene	19.787	142	53280	25.95	ug/L	99
105)	1-methylnaphthalene	20.041	142	58779	25.18	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83115.D
Acq On : 10 Dec 2013 9:57 pm
Operator : jaclynb
Sample : mc26922-3ms
Misc : ms30726,MSN3101,,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Dec 11 08:06:21 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83116.D
Acq On : 10 Dec 2013 10:25 pm
Operator : jaclynb
Sample : mc26922-3msd
Misc : ms30726,MSN3101,,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Dec 11 08:06:34 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.770	65	80992	500.00	ug/L		0.00
4) pentafluorobenzene	9.209	168	224345	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	341491	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	183801	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.891	152	157501	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	101600	46.33	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.66%				
60) toluene-d8 (s)	11.882	98	409510	49.66	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.32%				
82) bromofluorobenzene (s)	14.562	95	155690	46.78	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.56%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.858	59	116348	542.77	ug/L		89
3) Ethanol	5.614	45	166112	5199.19	ug/L		99
5) dichlorodifluoromethane	4.422	85	142415	45.55	ug/L		98
6) chloromethane	4.680	50	138802	45.35	ug/L		97
7) vinyl chloride	4.935	62	149005	39.59	ug/L		98
8) bromomethane	5.451	96	66725	49.13	ug/L		98
9) chloroethane	5.617	64	87149	53.72	ug/L		96
10) ethyl ether	6.515	59	103385	44.80	ug/L		94
12) trichlorofluoromethane	6.275	101	186392	43.77	ug/L		99
13) freon-113	7.053	101	114454	48.14	ug/L		99
14) acrolein	6.268	56	16241	30.97	ug/L		100
15) 1,1-dichloroethene	6.862	96	105079	57.25	ug/L		90
16) acetone	6.406	58	11380	36.55	ug/L	#	70
17) Methyl Acetate	7.042	43	130309	34.36	ug/L	#	95
18) methylene chloride	7.014	84	123856	46.60	ug/L		85
19) methyl tert butyl ether	7.795	73	243126	43.86	ug/L		95
20) acrylonitrile	6.915	53	92265	92.49	ug/L		95
21) allyl chloride	7.109	41	198481	52.05	ug/L		91
22) trans-1,2-dichloroethene	7.707	96	113560	46.57	ug/L		96
23) iodomethane	6.929	142	97569	42.64	ug/L		95
24) carbon disulfide	7.300	76	370277	49.37	ug/L		100
25) propionitrile	6.837	54	2515	58.79	ug/L		100
26) vinyl acetate	7.042	43	130309	34.36	ug/L		96
27) chloroprene	8.329	53	213990	54.17	ug/L		94
28) di-isopropyl ether	8.357	45	458802	49.34	ug/L		94
29) methacrylonitrile	8.484	41	72563	45.01	ug/L		95
30) 2-butanone	8.364	72	12116	43.17	ug/L	#	52
31) Hexane	8.339	41	201379	48.74	ug/L	#	83
32) 1,1-dichloroethane	7.961	63	243633	47.45	ug/L		99
33) tert-butyl ethyl ether	8.749	59	258969	44.60	ug/L		95
34) isobutyl alcohol	8.354	43	372684	237.97	ug/L		79
35) 2,2-dichloropropane	8.824	77	146946	51.40	ug/L		96
36) cis-1,2-dichloroethene	8.534	96	125592	45.63	ug/L		91
37) ethyl acetate	8.354	43	372684	47.22	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83116.D
Acq On : 10 Dec 2013 10:25 pm
Operator : jaclynb
Sample : mc26922-3msd
Misc : ms30726,MSN3101,,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Dec 11 08:06:34 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.700	128	56289	48.22	ug/L	#	84
39) chloroform	8.735	83	216862	45.77	ug/L		98
41) Tetrahydrofuran	9.068	42	32757	45.02	ug/L		86
42) 1,1,1-trichloroethane	9.488	97	178801	51.88	ug/L		98
44) Cyclohexane	9.768	56	232526	50.05	ug/L		95
45) carbon tetrachloride	9.852	117	147927	52.90	ug/L		100
46) 1,1-dichloropropene	9.662	75	164219	51.45	ug/L		99
47) benzene	9.888	78	486316	46.89	ug/L		97
48) 1,2-dichloroethane	9.389	62	167937	45.39	ug/L		99
49) tert-amyl methyl ether	9.997	73	195045	44.85	ug/L		94
50) heptane	10.351	43	147710	45.18	ug/L		88
51) trichloroethene	10.507	95	132564	49.47	ug/L		98
52) 1,2-dichloropropane	10.475	63	147588	50.76	ug/L		99
53) dibromomethane	10.446	93	73962	46.95	ug/L		96
54) bromodichloromethane	10.560	83	171730	48.02	ug/L		99
55) Methylcyclohexane	11.019	83	222968	50.14	ug/L		95
57) methyl methacrylate	10.648	69	72921	47.30	ug/L	#	79
58) 1,4-dioxane	10.651	88	5856	237.64	ug/L		82
59) cis-1,3-dichloropropene	11.171	75	182434	48.05	ug/L		99
61) 4-methyl-2-pentanone	11.263	43	119024	49.54	ug/L		94
62) toluene	11.952	92	294288	49.95	ug/L		94
63) trans-1,3-dichloropropene	11.592	75	157885	49.77	ug/L		98
64) 1,1,2-trichloroethane	11.765	83	97412	48.42	ug/L		97
65) ethyl methacrylate	11.956	69	143786	51.03	ug/L		86
67) tetrachloroethene	12.695	166	130008	47.33	ug/L		91
68) 1,3-dichloropropane	11.998	76	182393	47.44	ug/L		98
69) dibromochloromethane	12.295	129	122460	48.29	ug/L		97
70) 1,2-dibromoethane	12.546	107	109208	48.29	ug/L		93
71) 2-hexanone	12.115	43	80136	49.75	ug/L		95
72) chlorobenzene	13.374	112	313248	46.49	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.292	131	109444	47.84	ug/L		95
74) ethylbenzene	13.540	91	589297	49.12	ug/L		98
75) m,p-xylene	13.727	106	449180	95.47	ug/L		98
76) o-xylene	14.141	106	220489	46.78	ug/L		96
77) styrene	14.070	104	344806	50.58	ug/L		91
78) bromoform	13.893	173	80845	47.61	ug/L		99
79) trans-1,4-dichloro-2-b...	14.286	53	28123	45.47	ug/L	#	52
81) isopropylbenzene	14.498	105	582284	48.95	ug/L		98
83) bromobenzene	14.795	156	136601	48.68	ug/L		95
84) 1,1,2,2-tetrachloroethane	14.141	83	147268	47.12	ug/L		96
85) 1,2,3-trichloropropane	14.289	75	141335	47.55	ug/L		99
86) n-propylbenzene	14.943	91	690953	48.01	ug/L		99
87) 2-chlorotoluene	15.067	91	414511	47.18	ug/L		98
88) 4-chlorotoluene	15.141	91	432514	49.31	ug/L		97
89) 1,3,5-trimethylbenzene	15.219	105	504923	47.34	ug/L		97
90) tert-butylbenzene	15.527	91	301385	49.13	ug/L		93
91) 1,2,4-trimethylbenzene	15.629	105	493208	47.72	ug/L		100
92) sec-butylbenzene	15.746	105	697984	50.99	ug/L		99
93) 1,3-dichlorobenzene	15.855	146	270097	47.61	ug/L		99
94) p-isopropyltoluene	15.916	119	547589	51.98	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83116.D
Acq On : 10 Dec 2013 10:25 pm
Operator : jaclynb
Sample : mc26922-3msd
Misc : ms30726,MSN3101,,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Dec 11 08:06:34 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

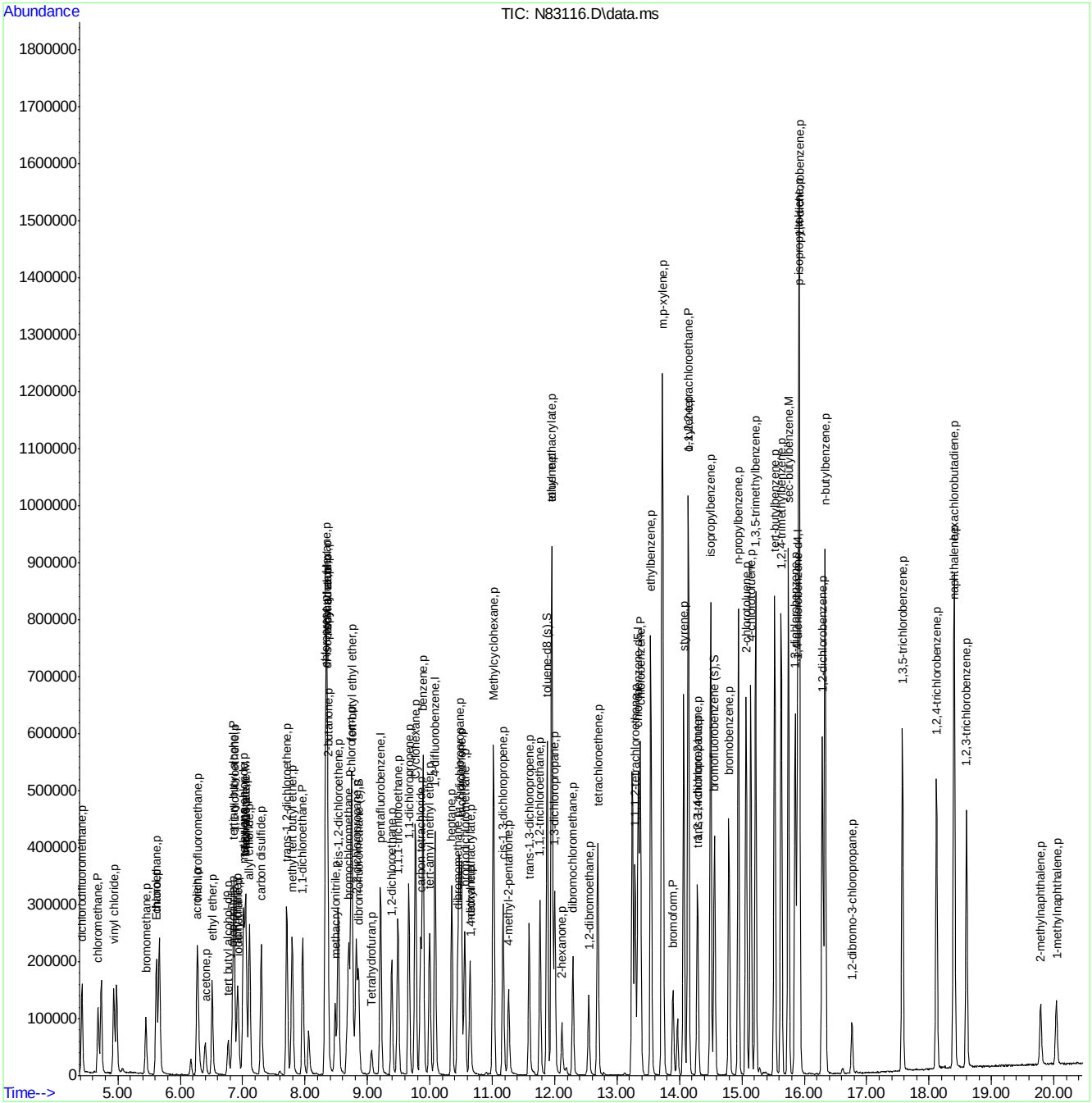
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	1,4-dichlorobenzene	15.923	146	274175	49.68	ug/L	97
96)	1,2-dichlorobenzene	16.290	146	262010	47.35	ug/L	98
97)	n-butylbenzene	16.333	91	554760	53.63	ug/L	99
98)	1,2-dibromo-3-chloropr...	16.768	75	24541	48.38	ug/L	96
99)	1,2,4-trichlorobenzene	18.118	180	175759	56.22	ug/L	99
100)	1,3,5-trichlorobenzene	17.574	180	200643	51.79	ug/L	99
101)	hexachlorobutadiene	18.404	225	128470	55.21	ug/L	95
102)	naphthalene	18.394	128	374325	58.93	ug/L	100
103)	1,2,3-trichlorobenzene	18.599	180	166118	55.28	ug/L	98
104)	2-methylnaphthalene	19.783	142	64193	28.88	ug/L	99
105)	1-methylnaphthalene	20.045	142	67821	27.84	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83116.D
Acq On : 10 Dec 2013 10:25 pm
Operator : jaclynb
Sample : mc26922-3msd
Misc : ms30726,MSN3101,,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Dec 11 08:06:34 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
12/16/13 10:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Dec 16 09:27:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.836	65	187122	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	283728	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	456932	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	204371	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.065	152	245153	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	140489	55.72	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 111.44%			
59) toluene-d8 (s)		12.037	98	495996	48.32	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 96.64%			
81) bromofluorobenzene (s)		14.731	95	199616	52.06	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 104.12%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	271888	425.43	ug/kg	95
3) Ethanol		5.671	45	175747	3664.86	ug/kg	95
5) dichlorodifluoromethane		4.438	85	89090	33.08	ug/kg	97
6) chloromethane		4.707	50	144282	35.09	ug/kg	98
7) vinyl chloride		4.970	62	116343	29.29	ug/kg	100
8) bromomethane	...	5.502	96	89494	34.22	ug/kg	98
9) chloroethane		5.664	64	72261	37.49	ug/kg	92
10) ethyl ether		6.580	59	102953	46.17	ug/kg	94
11) acetonitrile		6.573	41	35758	50.05	ug/kg	90
12) trichlorofluoromethane		6.338	101	189473	41.23	ug/kg	98
13) freon-113		7.146	101	136544	61.61	ug/kg	99
14) acrolein		6.371	56	4512m	6.98	ug/kg	
15) 1,1-dichloroethene		6.944	96	147954	55.93	ug/kg	98
16) acetone		6.472	58	43052	80.89	ug/kg#	77
17) Methyl Acetate		7.146	43	52170	15.64	ug/kg#	19
18) methylene chloride		7.099	84	133327	45.99	ug/kg	97
19) methyl tert butyl ether		7.900	73	279432	46.51	ug/kg	99
20) acrylonitrile		7.005	53	102814	78.50	ug/kg	95
21) allyl chloride		7.200	41	256426	49.32	ug/kg	100
22) trans-1,2-dichloroethene		7.813	96	146218	49.64	ug/kg	98
23) iodomethane		7.005	142	285166	56.83	ug/kg	90
24) carbon disulfide		7.388	76	427821	56.50	ug/kg	100
25) propionitrile		8.129	54	25319	57.03	ug/kg	100
26) vinyl acetate		8.204	43	40765	6.57	ug/kg	96
27) chloroprene		8.439	53	210676	45.00	ug/kg	94
28) di-isopropyl ether		8.480	45	519885	45.17	ug/kg	99
29) methacrylonitrile		8.601	41	86684	42.92	ug/kg	95
30) 2-butanone		8.493	72	24773	55.70	ug/kg#	1
31) 1,1-dichloroethane		8.069	63	259667	50.61	ug/kg	99
32) tert-butyl ethyl ether		8.884	59	345024	47.85	ug/kg	99
33) isobutyl alcohol		8.911	43	86943m	274.25	ug/kg	
34) 2,2-dichloropropane		8.951	77	158953	52.54	ug/kg	95
35) cis-1,2-dichloroethene		8.655	96	156619	45.91	ug/kg	93
36) ethyl acetate		8.911	43	123092m	58.61	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Dec 16 09:27:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	bromochloromethane	8.823	128	86667	46.09	ug/kg	93
38)	chloroform	8.864	83	248472	49.36	ug/kg	99
40)	Tetrahydrofuran	9.194	42	63716	50.05	ug/kg	96
41)	1,1,1-trichloroethane	9.625	97	230842	56.56	ug/kg	96
43)	Cyclohexane	9.915	56	261784	49.56	ug/kg	97
44)	carbon tetrachloride	9.995	117	255102	60.76	ug/kg	100
45)	1,1-dichloropropene	9.800	75	192105	52.47	ug/kg	98
46)	benzene	10.029	78	542024	44.80	ug/kg	98
47)	1,2-dichloroethane	9.524	62	185127	48.63	ug/kg	98
48)	tert-amyl methyl ether	10.144	73	249606	44.51	ug/kg	100
49)	heptane	10.501	43	265899	44.88	ug/kg	97
50)	trichloroethene	10.656	95	163032	46.68	ug/kg	95
51)	1,2-dichloropropane	10.622	63	150023	44.81	ug/kg	99
52)	dibromomethane	10.595	93	89364	45.36	ug/kg	94
53)	bromodichloromethane	10.710	83	206559	51.92	ug/kg	99
54)	Methylcyclohexane	11.174	83	246847	49.74	ug/kg	96
56)	methyl methacrylate	10.797	69	76668	39.71	ug/kg	93
57)	1,4-dioxane	10.804	88	10159	345.12	ug/kg	83
58)	cis-1,3-dichloropropene	11.329	75	204807	42.67	ug/kg	97
60)	4-methyl-2-pentanone	11.417	43	231166	61.51	ug/kg	100
61)	toluene	12.111	92	373332	49.08	ug/kg	96
62)	trans-1,3-dichloropropene	11.754	75	186701	47.69	ug/kg	99
63)	1,1,2-trichloroethane	11.922	83	113336	50.98	ug/kg	99
64)	ethyl methacrylate	12.124	69	158177	44.51	ug/kg	93
66)	tetrachloroethene	12.852	166	191117	50.65	ug/kg	99
67)	1,3-dichloropropane	12.158	76	204427	48.42	ug/kg	98
68)	dibromochloromethane	12.454	129	220876	57.34	ug/kg	97
69)	1,2-dibromoethane	12.710	107	149403	49.51	ug/kg	97
70)	2-hexanone	12.279	43	162346	49.54	ug/kg	99
71)	chlorobenzene	13.539	112	479859	47.51	ug/kg	98
72)	1,1,1,2-tetrachloroethane	13.458	131	221743	60.75	ug/kg	92
73)	ethylbenzene	13.707	91	785177	52.68	ug/kg	99
74)	m,p-xylene	13.896	106	642451	101.27	ug/kg	97
75)	o-xylene	14.307	106	325864	50.92	ug/kg	97
76)	styrene	14.239	104	104016	10.21	ug/kg	95
77)	bromoform	14.064	173	145691	56.94	ug/kg	97
78)	trans-1,4-dichloro-2-b...	14.455	53	57600	46.77	ug/kg	90
80)	isopropylbenzene	14.670	105	937595	53.02	ug/kg	98
82)	bromobenzene	14.960	156	207532	44.08	ug/kg	98
83)	1,1,2,2-tetrachloroethane	14.313	83	214594	51.86	ug/kg	97
84)	1,2,3-trichloropropane	14.462	75	220463	49.72	ug/kg	99
85)	n-propylbenzene	15.115	91	928591	47.83	ug/kg	98
86)	2-chlorotoluene	15.236	91	528247	44.46	ug/kg	97
87)	4-chlorotoluene	15.310	91	512697	43.74	ug/kg	99
88)	1,3,5-trimethylbenzene	15.391	105	737960	49.80	ug/kg	97
89)	tert-butylbenzene	15.701	91	431741	53.79	ug/kg	98
90)	1,2,4-trimethylbenzene	15.802	105	664450	45.33	ug/kg	98
91)	sec-butylbenzene	15.923	105	1062607	52.64	ug/kg	100
92)	1,3-dichlorobenzene	16.025	146	377098	39.61	ug/kg	98
93)	p-isopropyltoluene	16.092	119	913142	52.05	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Dec 16 09:27:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

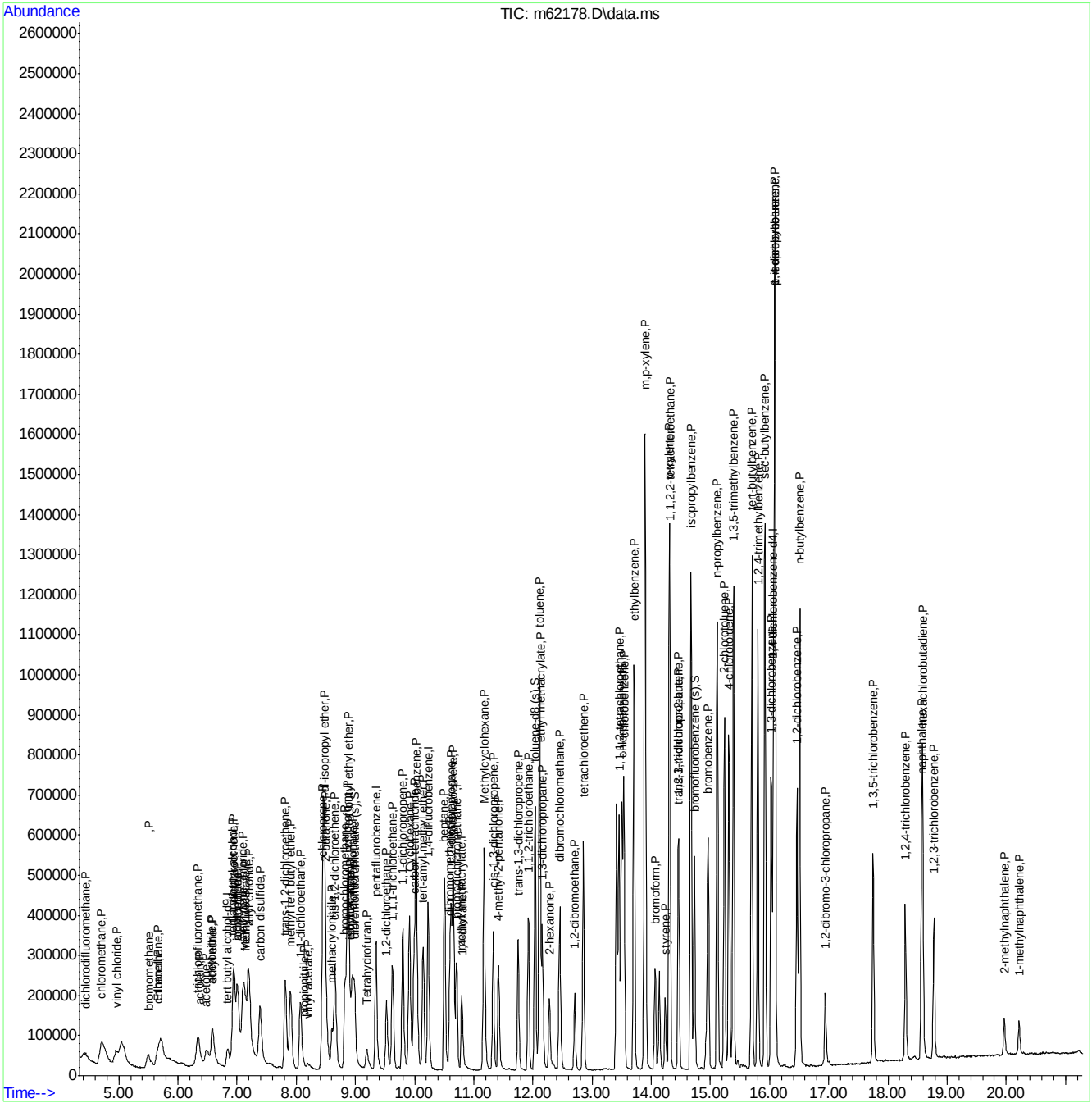
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	1,4-dichlorobenzene	16.092	146	383714	39.40	ug/kg	97
95)	1,2-dichlorobenzene	16.462	146	352850	37.23	ug/kg	99
96)	n-butylbenzene	16.510	91	675331	45.75	ug/kg	98
97)	1,2-dibromo-3-chloropr...	16.941	75	43934	48.61	ug/kg	95
98)	1,3,5-trichlorobenzene	17.749	180	196857	28.43	ug/kg	99
99)	1,2,4-trichlorobenzene	18.301	180	154370	23.34	ug/kg	95
100)	hexachlorobutadiene	18.591	225	127407	41.28	ug/kg	99
101)	naphthalene	18.571	128	426960	22.89	ug/kg	100
102)	1,2,3-trichlorobenzene	18.780	180	138924	21.51	ug/kg	98
103)	2-methylnaphthalene	19.972	142	63942	6.08	ug/kg	95
104)	1-methylnaphthalene	20.215	TIC	216624	5.02	ug/kg	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Dec 16 09:27:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

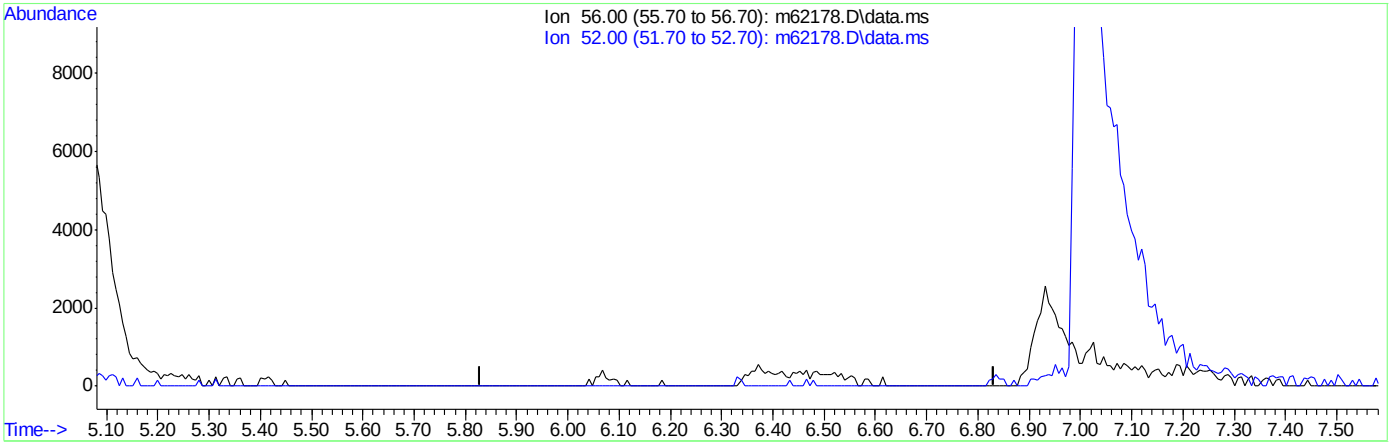


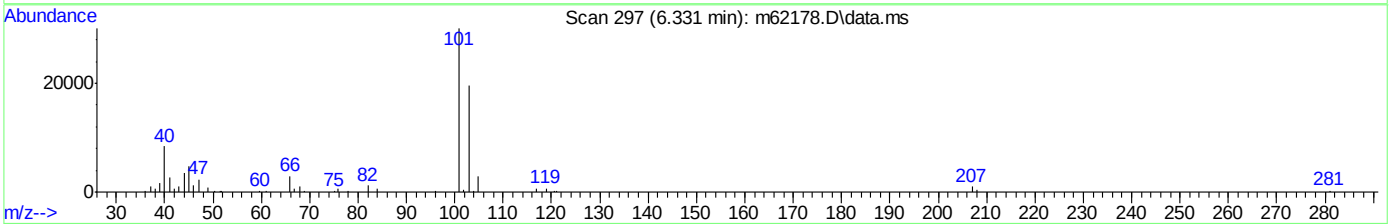
ACCUTEST LABORATORIES MC26923

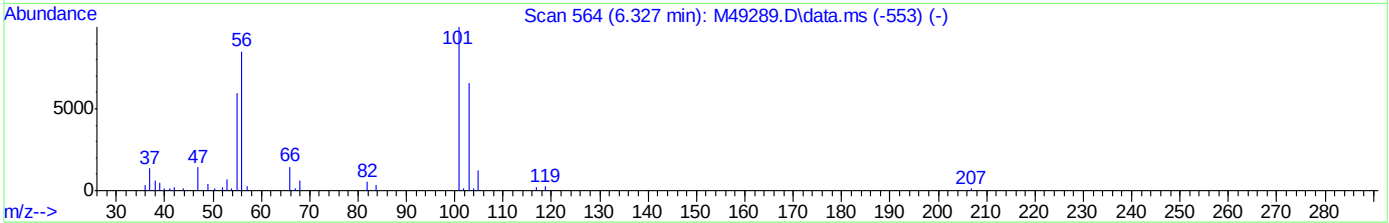
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Dec 16 09:26:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration







TIC: m62178.D\data.ms

(14) acrolein (P)

6.331min (-6.331) 0.00ug/kg

response 0

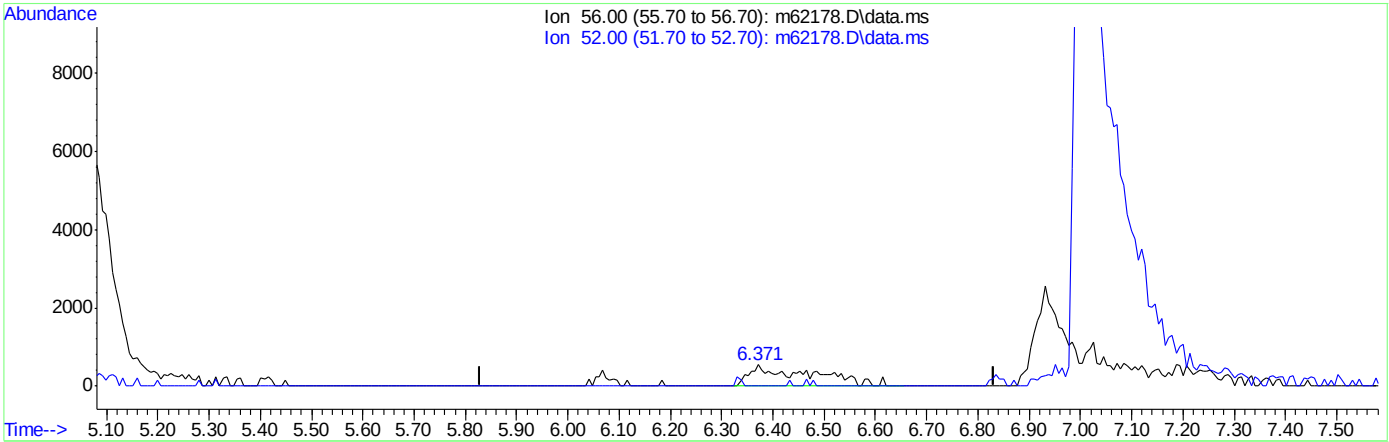
Ion	Exp%	Act%
56.00	100	0.00
52.00	2.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

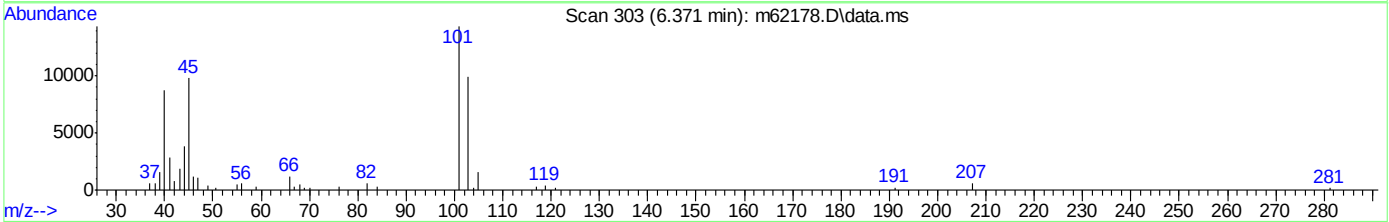
ACCUTEST LABORATORIES MC26923

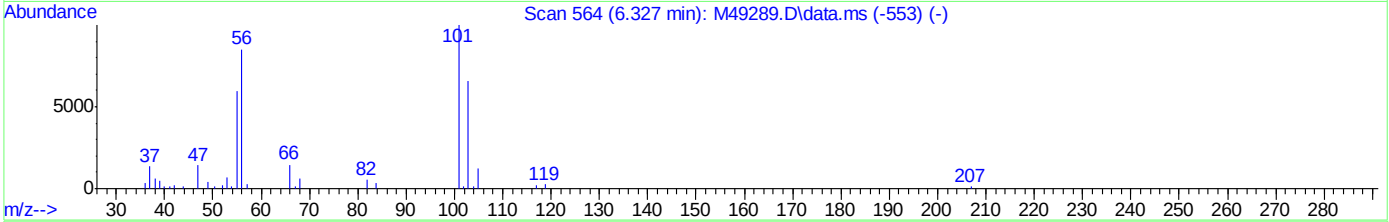
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Dec 16 09:26:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration







TIC: m62178.D\data.ms

(14) acrolein (P)

6.371min (+0.040) 6.98ug/kg m

response 4512

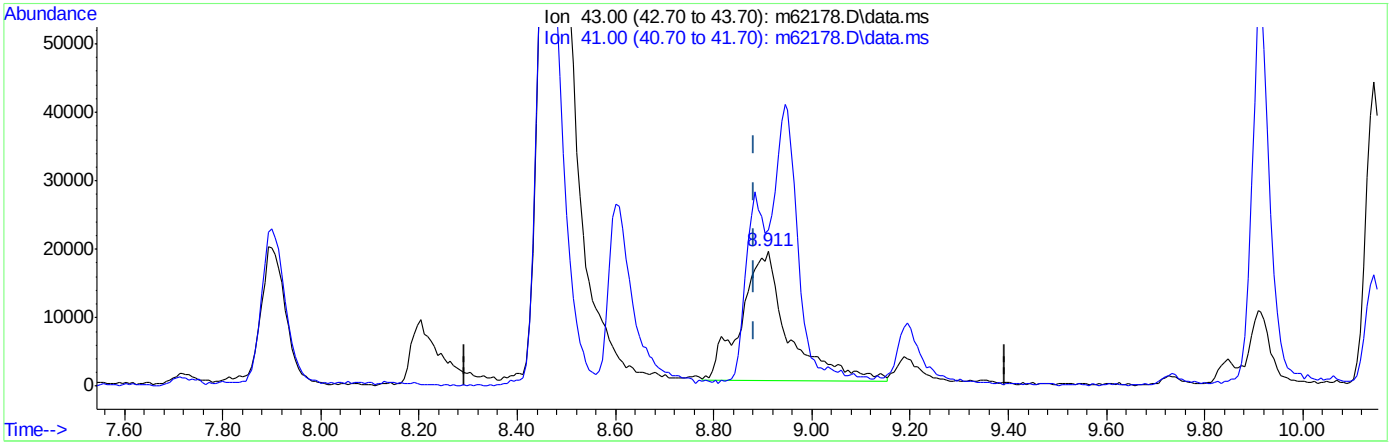
Ion	Exp%	Act%
56.00	100	100
52.00	2.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

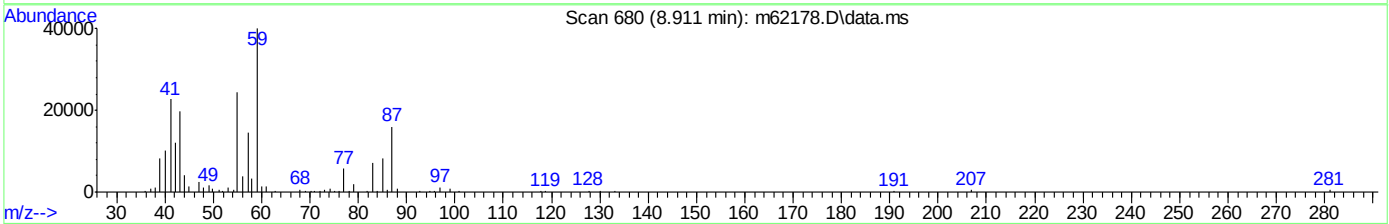
ACCUTEST LABORATORIES MC26923

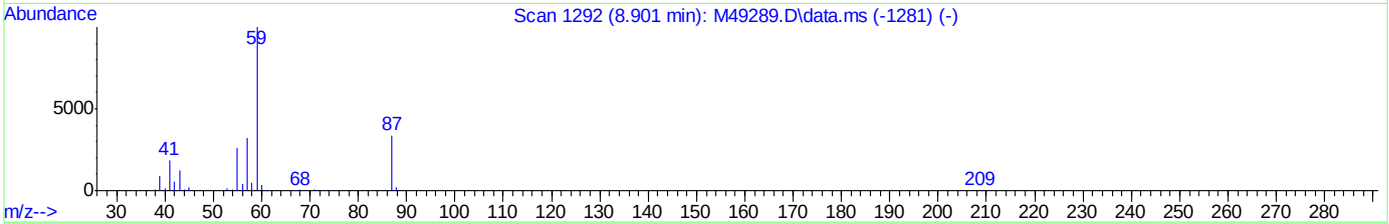
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Dec 16 09:26:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration







TIC: m62178.D\data.ms

(33) isobutyl alcohol (P)

8.911min (+0.027) 402.09ug/kg

response 127471

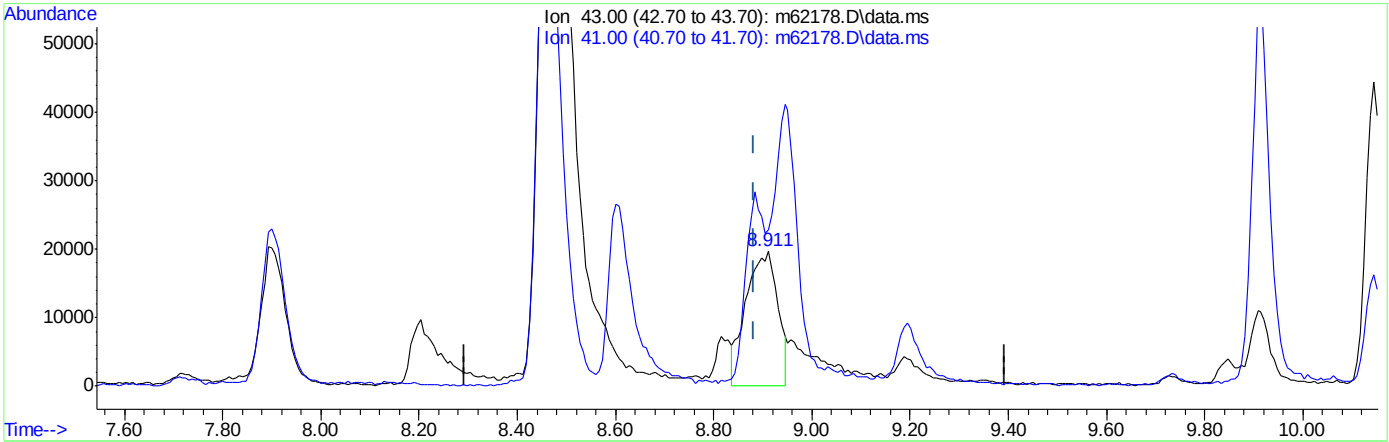
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	117.89#
0.00	0.00	0.00
0.00	0.00	0.00

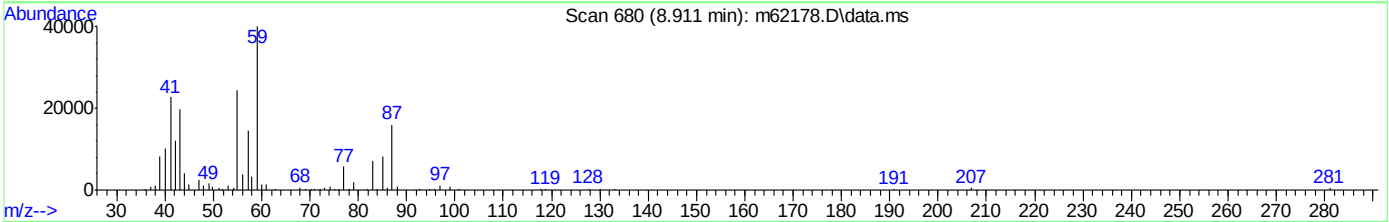
ACCUTEST LABORATORIES MC26923

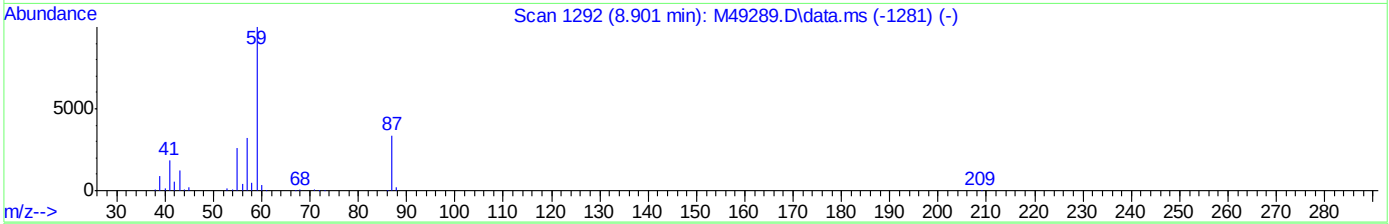
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Dec 16 09:26:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration







TIC: m62178.D\data.ms

(33) isobutyl alcohol (P)

8.911min (+0.027) 274.25ug/kg m

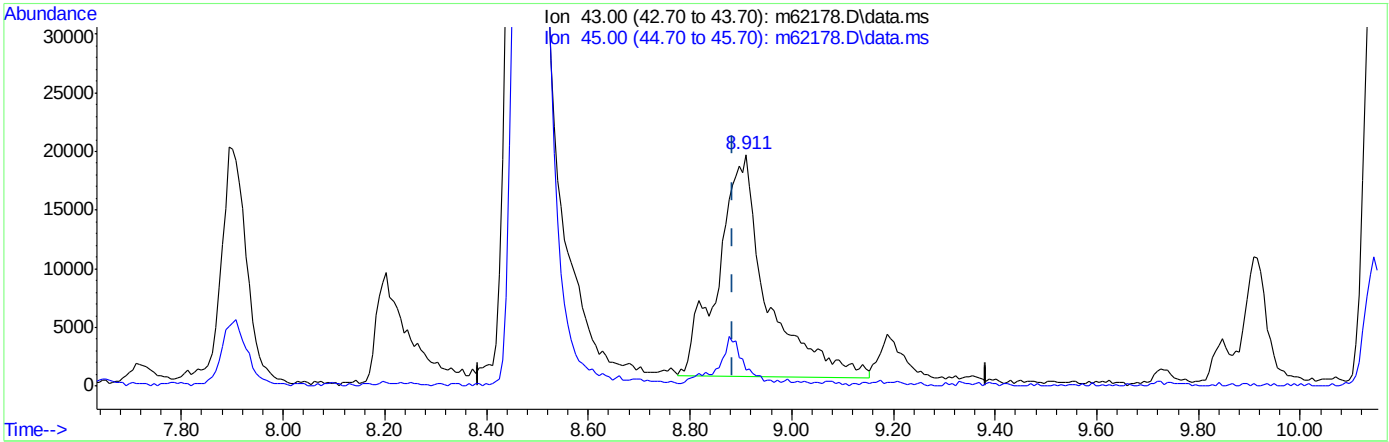
response 86943

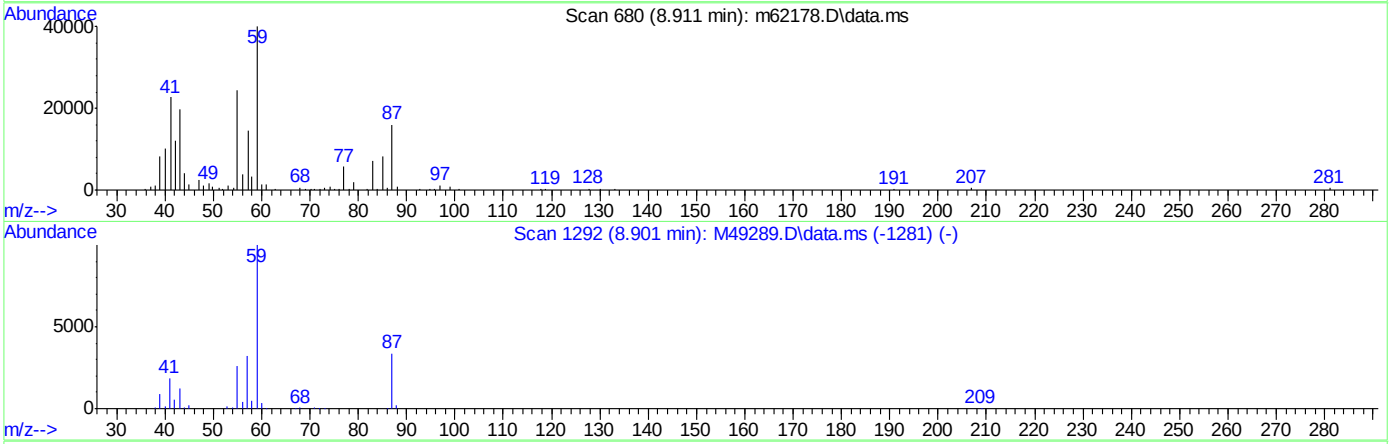
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	115.40#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Dec 16 09:26:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62178.D\data.ms

(36) ethyl acetate (P)

8.911min (+0.027) 60.36ug/kg

response 126758

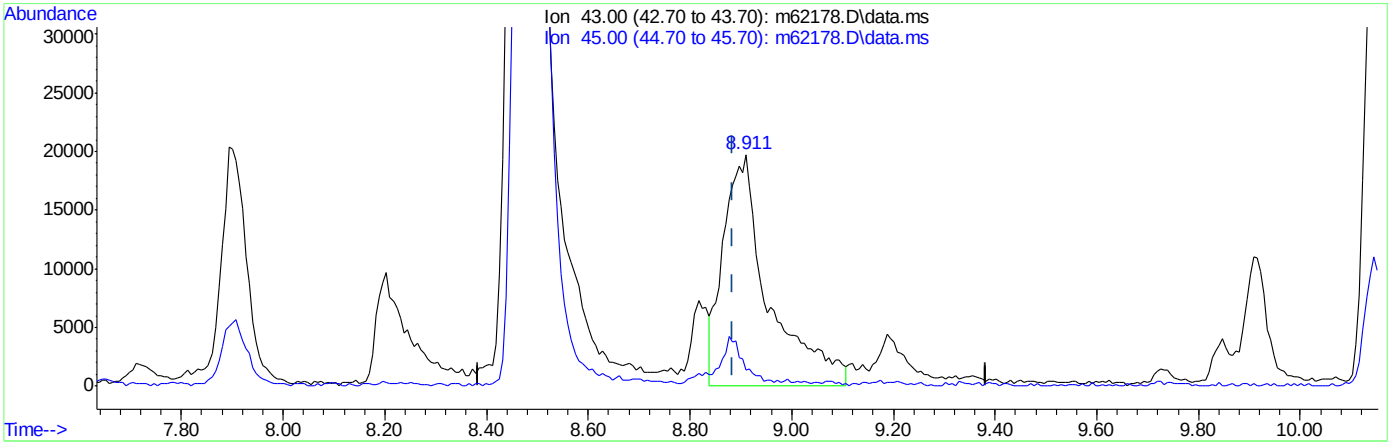
Ion	Exp%	Act%
43.00	100	100
45.00	22.10	6.28
0.00	0.00	0.00
0.00	0.00	0.00

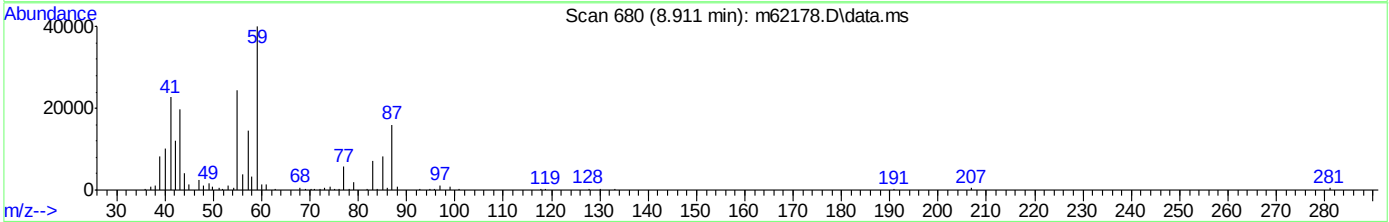
ACCUTEST LABORATORIES MC26923

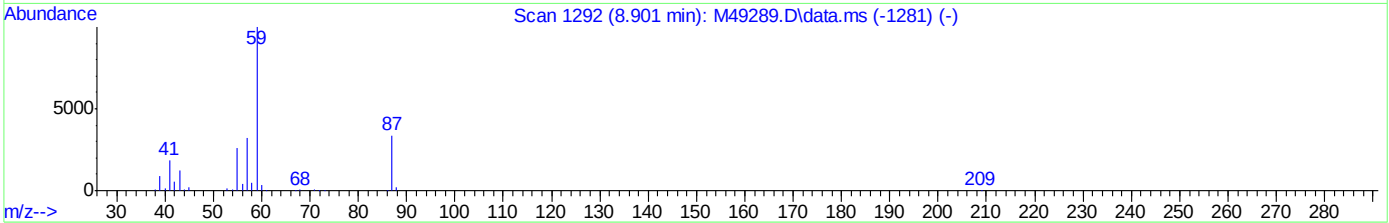
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Dec 16 09:26:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration







TIC: m62178.D\data.ms

(36) ethyl acetate (P)

8.911min (+0.027) 58.61ug/kg m

response 123092

Ion	Exp%	Act%
43.00	100	100
45.00	22.10	7.13
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26923

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/16/13 10:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:31:05 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	191753	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	297869	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	470978	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	208933	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	253002	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	145757	54.99	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.98%			
59) toluene-d8 (s)	12.036	98	510536	48.21	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.42%			
81) bromofluorobenzene (s)	14.731	95	203461	51.35	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.70%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	250087	381.87	ug/kg	92
3) Ethanol	5.657	45	166905m	3396.42	ug/kg	
5) dichlorodifluoromethane	4.424	85	91092	32.22	ug/kg	93
6) chloromethane	4.700	50	162706	37.70	ug/kg	98
7) vinyl chloride	4.963	62	127462	30.57	ug/kg	99
8) bromomethane ...	5.495	96	98196	35.76	ug/kg	92
9) chloroethane	5.664	64	79137m	39.11	ug/kg	
10) ethyl ether	6.580	59	108721	46.44	ug/kg	99
11) acetonitrile	6.573	41	35267	47.02	ug/kg	91
12) trichlorofluoromethane	6.331	101	208876	43.29	ug/kg	99
13) freon-113	7.146	101	144872	62.27	ug/kg	97
14) acrolein	6.385	56	4481m	6.60	ug/kg	
15) 1,1-dichloroethene	6.950	96	152212	54.81	ug/kg	99
16) acetone	6.465	58	40182	71.91	ug/kg#	60
17) Methyl Acetate	7.153	43	46149	13.18	ug/kg#	27
18) methylene chloride	7.105	84	135085	44.38	ug/kg	99
19) methyl tert butyl ether	7.900	73	285455	45.25	ug/kg	98
20) acrylonitrile	7.004	53	112136	81.55	ug/kg	98
21) allyl chloride	7.193	41	257030	47.09	ug/kg	99
22) trans-1,2-dichloroethene	7.813	96	152440	49.29	ug/kg	97
23) iodomethane	7.004	142	287531	54.58	ug/kg	89
24) carbon disulfide	7.388	76	433402	54.52	ug/kg	100
25) propionitrile	8.102	54	23040	49.44	ug/kg	100
26) vinyl acetate	8.197	43	40849	6.27	ug/kg	94
27) chloroprene	8.439	53	218005	44.35	ug/kg	94
28) di-isopropyl ether	8.480	45	522555	43.25	ug/kg	97
29) methacrylonitrile	8.601	41	88054	41.53	ug/kg	99
30) 2-butanone	8.507	72	23283	49.87	ug/kg	94
31) 1,1-dichloroethane	8.069	63	263481	48.92	ug/kg	98
32) tert-butyl ethyl ether	8.877	59	344840	45.55	ug/kg	99
33) isobutyl alcohol	8.897	43	78127m	234.74	ug/kg	
34) 2,2-dichloropropane	8.951	77	163717	51.54	ug/kg	99
35) cis-1,2-dichloroethene	8.655	96	157174	43.89	ug/kg	97
36) ethyl acetate	8.897	43	113877m	51.65	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:31:05 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	87853	44.50	ug/kg	96
38) chloroform	8.864	83	249683	47.25	ug/kg	99
40) Tetrahydrofuran	9.187	42	60911	45.57	ug/kg	90
41) 1,1,1-trichloroethane	9.625	97	235477	54.96	ug/kg	95
43) Cyclohexane	9.914	56	270583	49.70	ug/kg	95
44) carbon tetrachloride	9.995	117	258579	59.75	ug/kg	98
45) 1,1-dichloropropene	9.800	75	195309	51.76	ug/kg	98
46) benzene	10.029	78	542616	43.51	ug/kg	96
47) 1,2-dichloroethane	9.524	62	180483	46.00	ug/kg	99
48) tert-amyl methyl ether	10.143	73	248376	42.97	ug/kg	99
49) heptane	10.501	43	271885	44.52	ug/kg	99
50) trichloroethene	10.655	95	167844	46.62	ug/kg	99
51) 1,2-dichloropropane	10.615	63	143800	41.67	ug/kg	100
52) dibromomethane	10.595	93	87491	43.08	ug/kg	94
53) bromodichloromethane	10.709	83	189836	46.30	ug/kg	99
54) Methylcyclohexane	11.174	83	253979	49.65	ug/kg	95
56) methyl methacrylate	10.797	69	72134	36.24	ug/kg	96
57) 1,4-dioxane	10.804	88	10134	334.76	ug/kg	92
58) cis-1,3-dichloropropene	11.329	75	188040	38.01	ug/kg	97
60) 4-methyl-2-pentanone	11.417	43	212252	54.79	ug/kg	98
61) toluene	12.111	92	361255	46.07	ug/kg	99
62) trans-1,3-dichloropropene	11.747	75	165007	40.90	ug/kg	98
63) 1,1,2-trichloroethane	11.929	83	95217	41.55	ug/kg	96
64) ethyl methacrylate	12.117	69	135099	36.88	ug/kg	92
66) tetrachloroethene	12.852	166	186898	48.45	ug/kg	98
67) 1,3-dichloropropane	12.158	76	178543	41.37	ug/kg	100
68) dibromochloromethane	12.454	129	177580	45.09	ug/kg	98
69) 1,2-dibromoethane	12.710	107	131547	42.64	ug/kg	92
70) 2-hexanone	12.279	43	140024	41.80	ug/kg	99
71) chlorobenzene	13.539	112	411515	39.85	ug/kg	98
72) 1,1,1,2-tetrachloroethane	13.458	131	175643	47.07	ug/kg	98
73) ethylbenzene	13.707	91	683896	44.88	ug/kg	100
74) m,p-xylene	13.896	106	567578	87.51	ug/kg	99
75) o-xylene	14.307	106	273103	41.75	ug/kg	100
76) styrene	14.239	104	67911	6.52	ug/kg	98
77) bromoform	14.064	173	112355	42.96	ug/kg	100
78) trans-1,4-dichloro-2-b...	14.455	53	45046	35.77	ug/kg#	83
80) isopropylbenzene	14.670	105	749252	41.06	ug/kg	98
82) bromobenzene	14.967	156	165571	34.08	ug/kg	94
83) 1,1,2,2-tetrachloroethane	14.313	83	166335	38.95	ug/kg	98
84) 1,2,3-trichloropropane	14.461	75	170903	37.35	ug/kg	98
85) n-propylbenzene	15.115	91	733757	36.62	ug/kg	100
86) 2-chlorotoluene	15.236	91	416626	33.98	ug/kg	94
87) 4-chlorotoluene	15.310	91	401177	33.16	ug/kg	99
88) 1,3,5-trimethylbenzene	15.391	105	578278	37.82	ug/kg	98
89) tert-butylbenzene	15.701	91	334218	40.35	ug/kg	96
90) 1,2,4-trimethylbenzene	15.802	105	515553	34.08	ug/kg	96
91) sec-butylbenzene	15.923	105	799705	38.39	ug/kg	99
92) 1,3-dichlorobenzene	16.031	146	290066	29.53	ug/kg	97
93) p-isopropyltoluene	16.092	119	691126	38.17	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:31:05 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

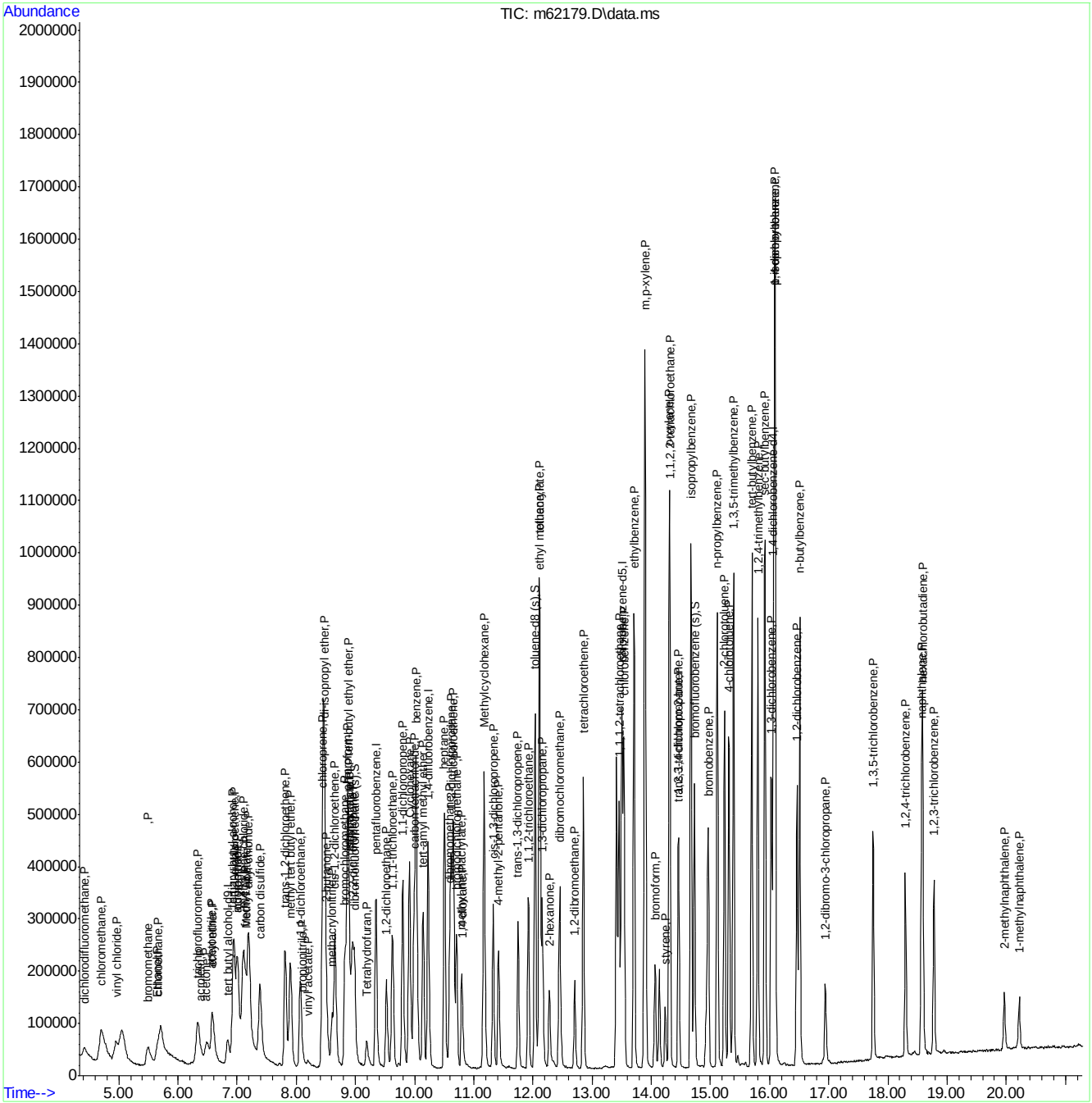
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) 1,4-dichlorobenzene	16.092	146	292232	29.07	ug/kg	98
95) 1,2-dichlorobenzene	16.462	146	274810	28.10	ug/kg	96
96) n-butylbenzene	16.509	91	513164	33.68	ug/kg	98
97) 1,2-dibromo-3-chloropr...	16.940	75	36166	38.78	ug/kg	91
98) 1,3,5-trichlorobenzene	17.749	180	162572	22.75	ug/kg	100
99) 1,2,4-trichlorobenzene	18.294	180	138814	20.34	ug/kg	99
100) hexachlorobutadiene	18.591	225	112988	35.47	ug/kg	93
101) naphthalene	18.571	128	400062	20.78	ug/kg	100
102) 1,2,3-trichlorobenzene	18.780	180	129231	19.39	ug/kg	98
103) 2-methylnaphthalene	19.972	142	77398	7.13	ug/kg	99
104) 1-methylnaphthalene	20.221	TIC	228186	5.19	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

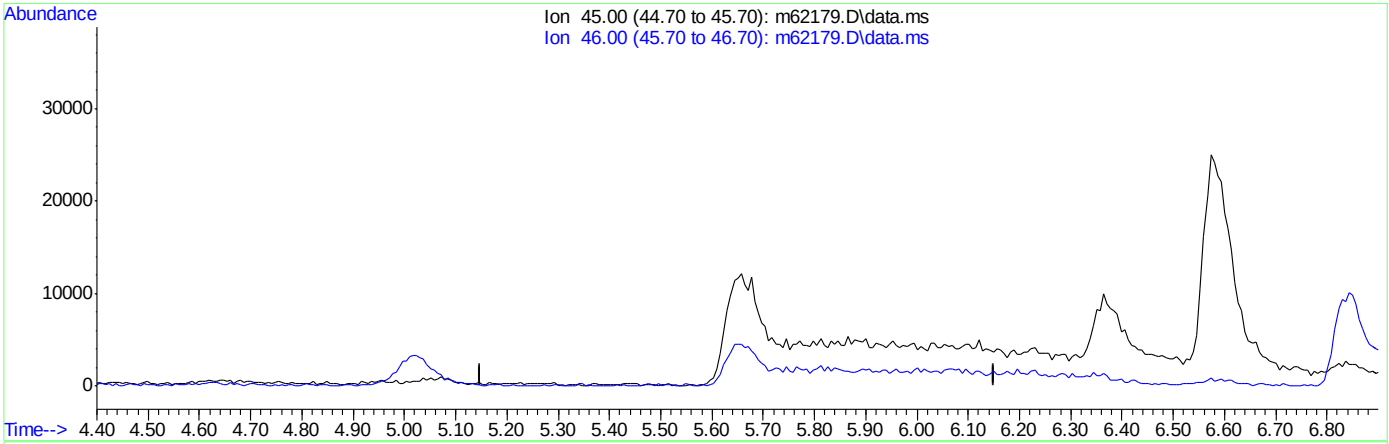
Quant Time: Dec 16 09:31:05 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

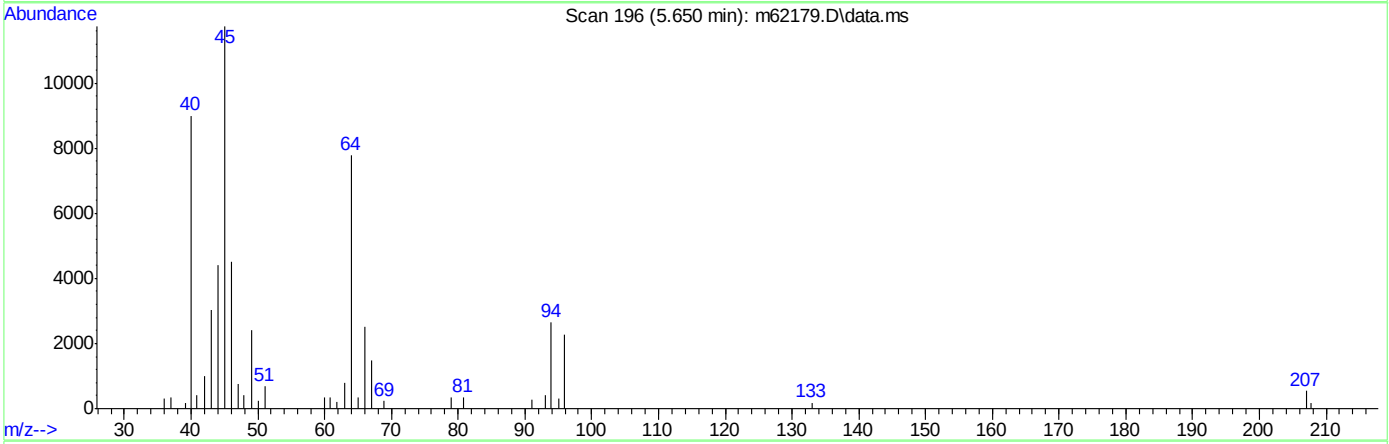


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(3) Ethanol (P)

5.650min (-5.650) 0.00ug/kg

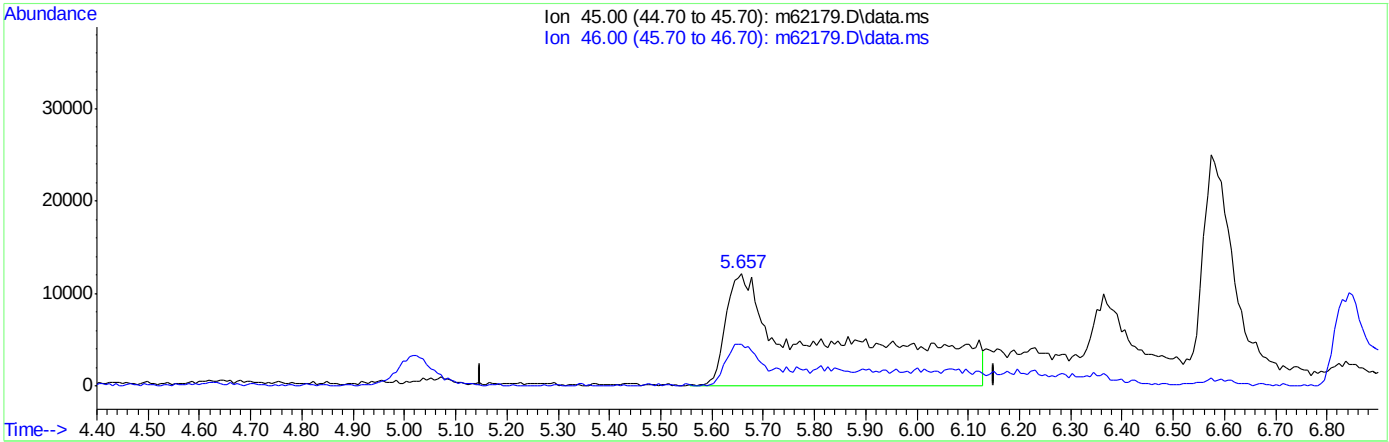
response 0

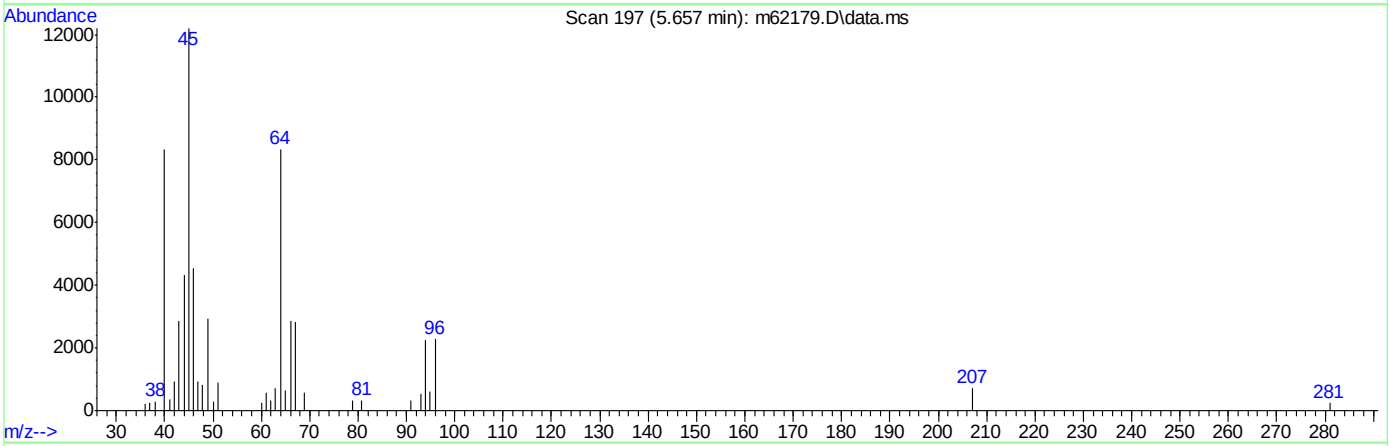
Ion	Exp%	Act%
45.00	100	0.00
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(3) Ethanol (P)

5.657min (+0.007) 3396.42ug/kg m

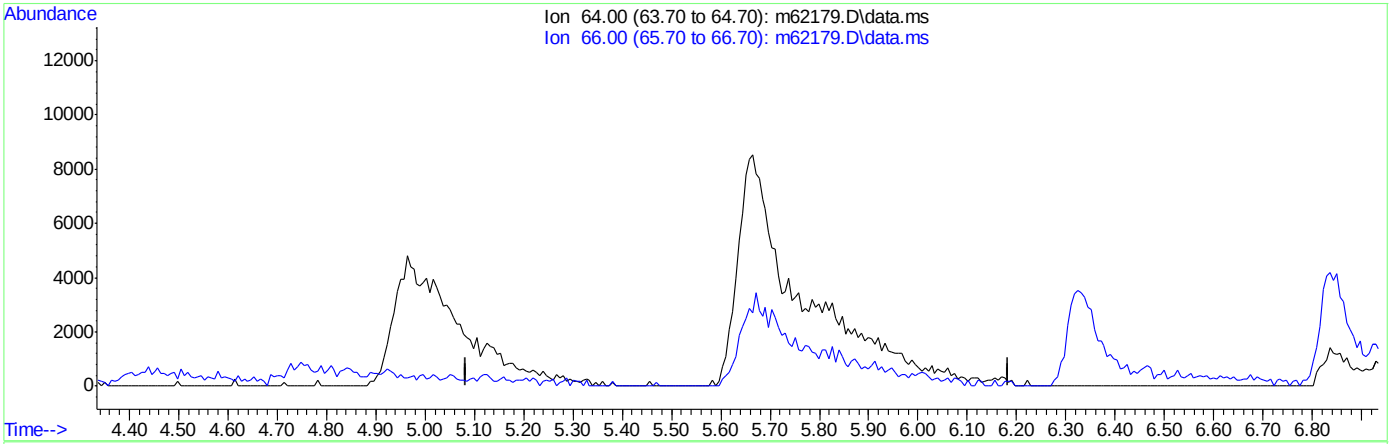
response 166905

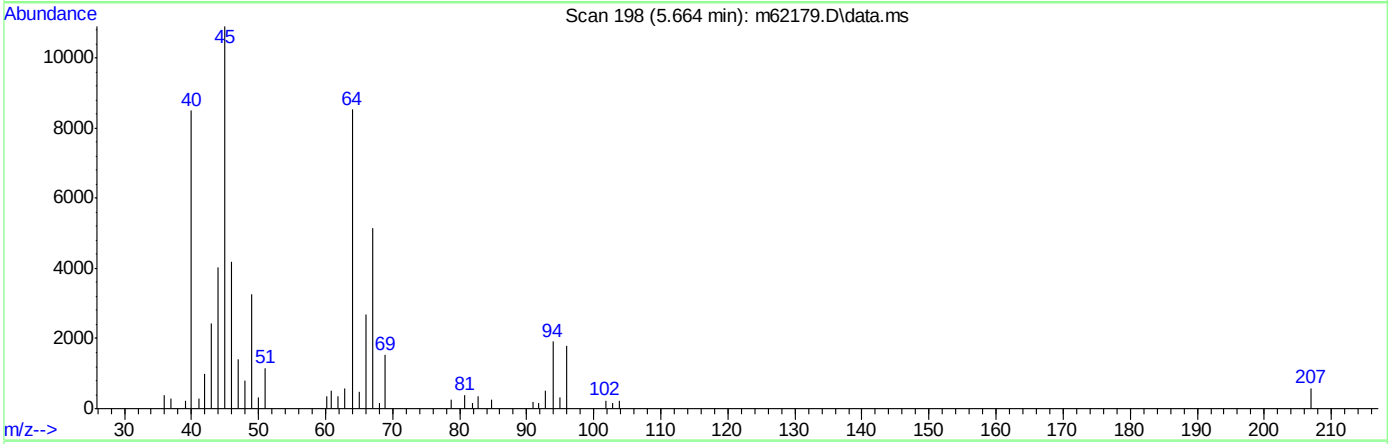
Ion	Exp%	Act%
45.00	100	100
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(9) chloroethane (P)

5.664min (-5.664) 0.00ug/kg

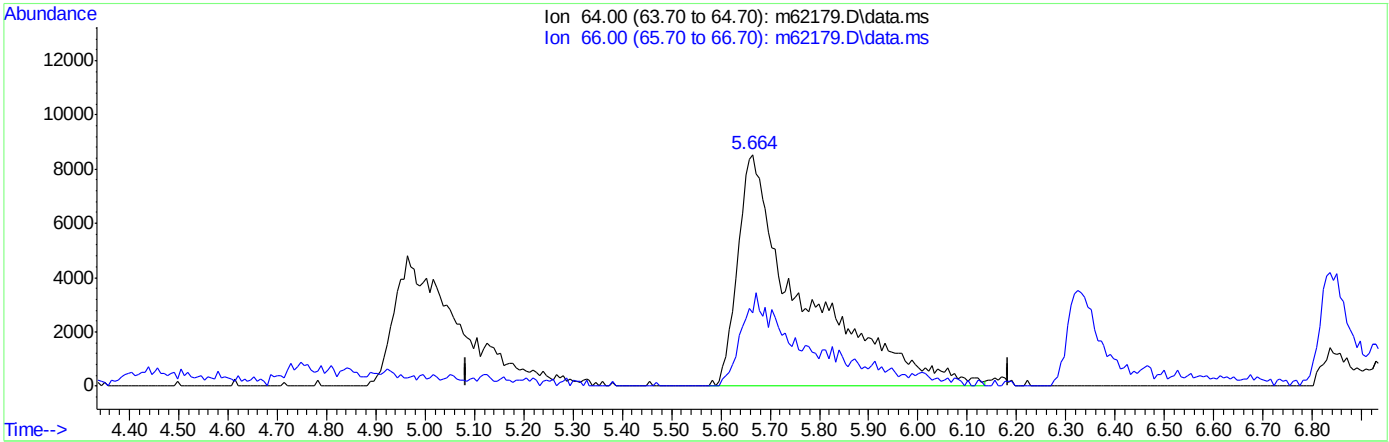
response 0

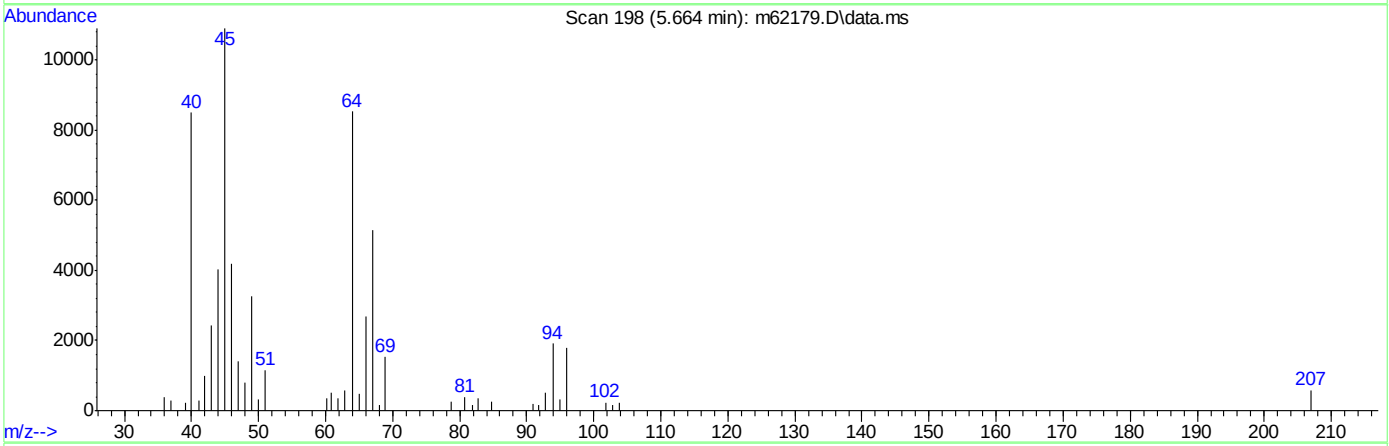
Ion	Exp%	Act%
64.00	100	0.00
66.00	28.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(9) chloroethane (P)

5.664min (-0.000) 39.11ug/kg m

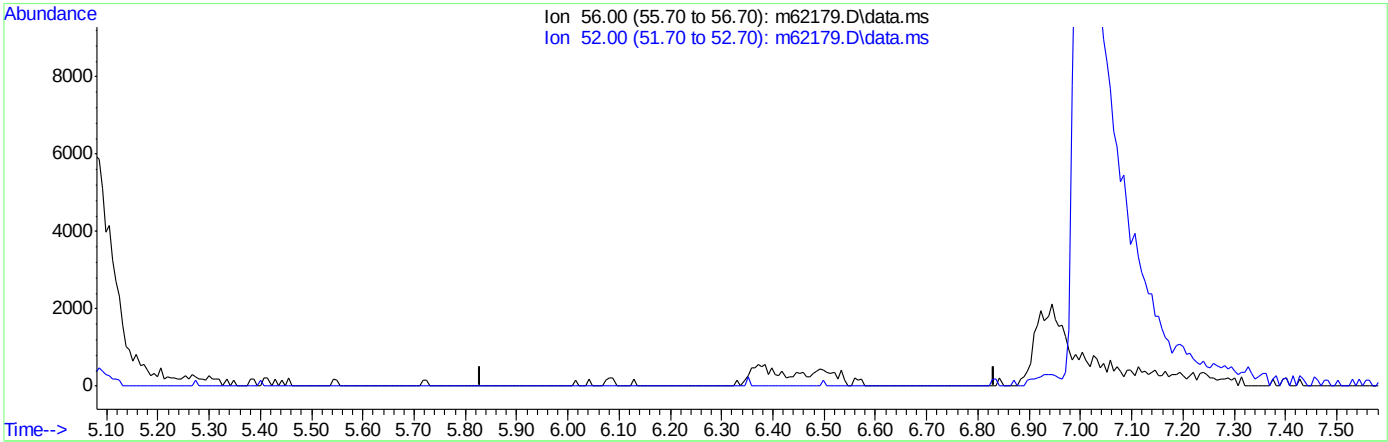
response 79137

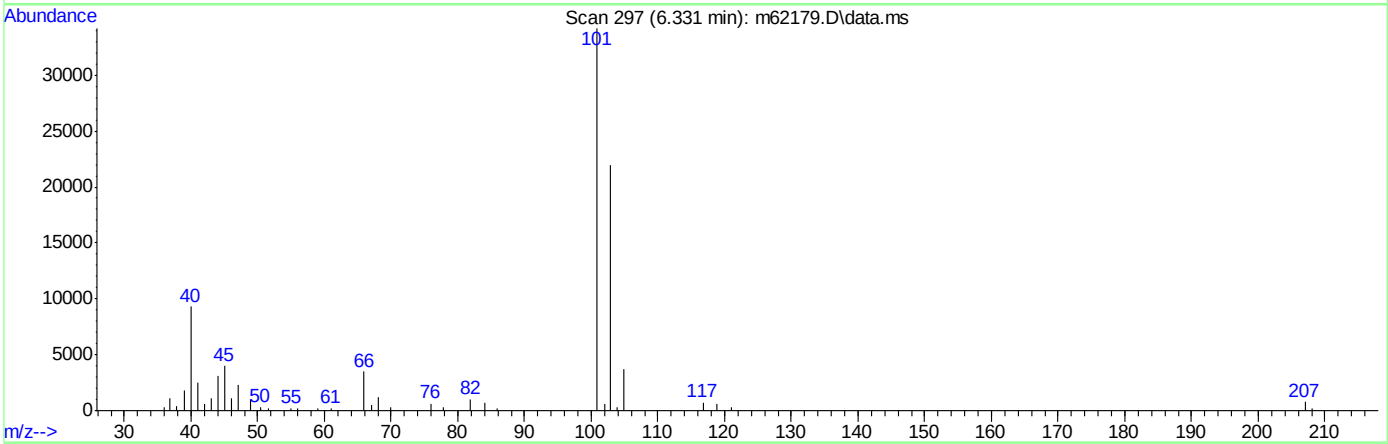
Ion	Exp%	Act%
64.00	100	100
66.00	28.60	31.66
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(14) acrolein (P)

6.331min (-6.331) 0.00ug/kg

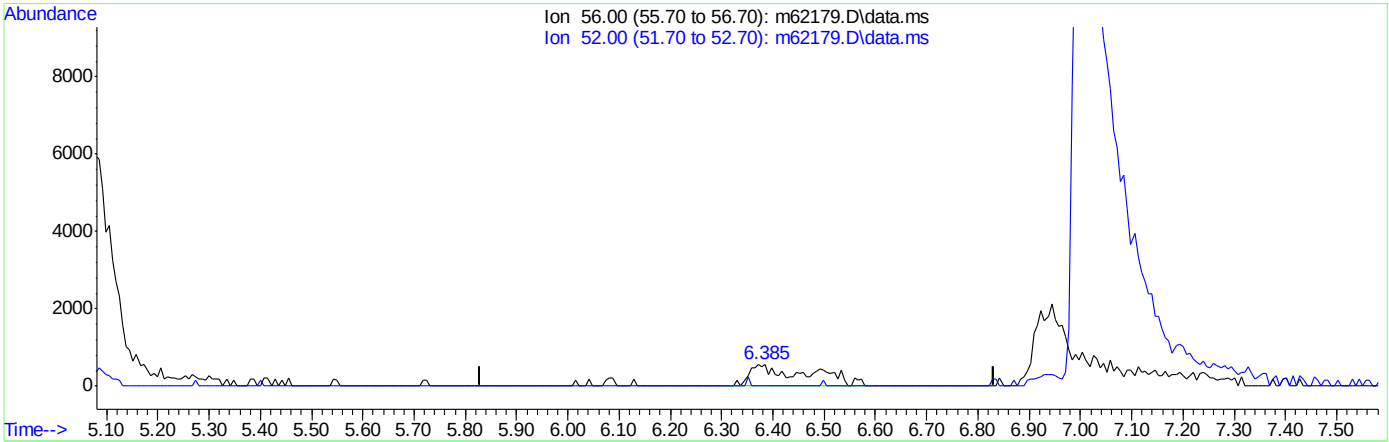
response 0

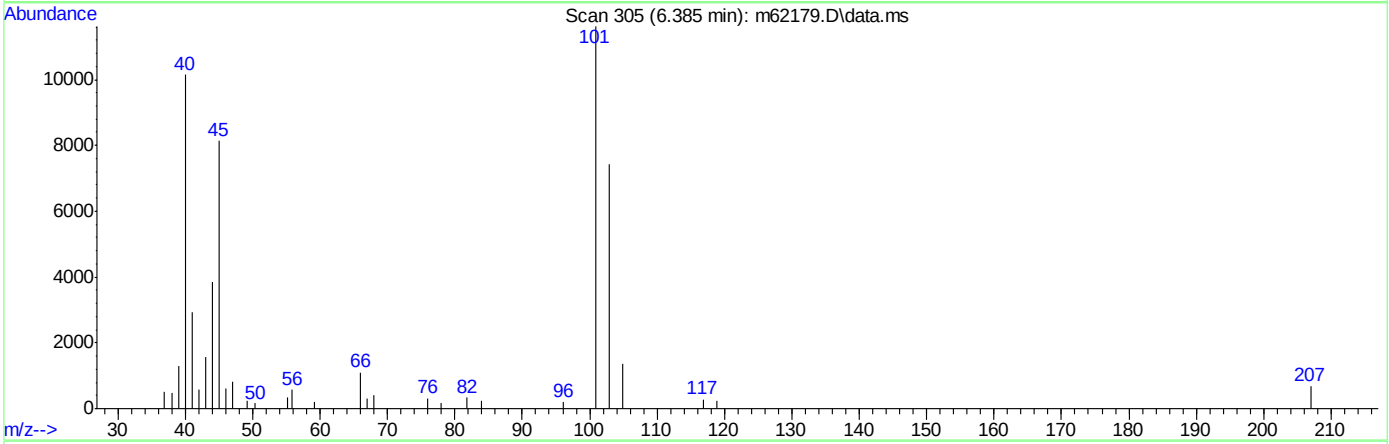
Ion	Exp%	Act%
56.00	100	0.00
52.00	2.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(14) acrolein (P)

6.385min (+0.054) 6.60ug/kg m

response 4481

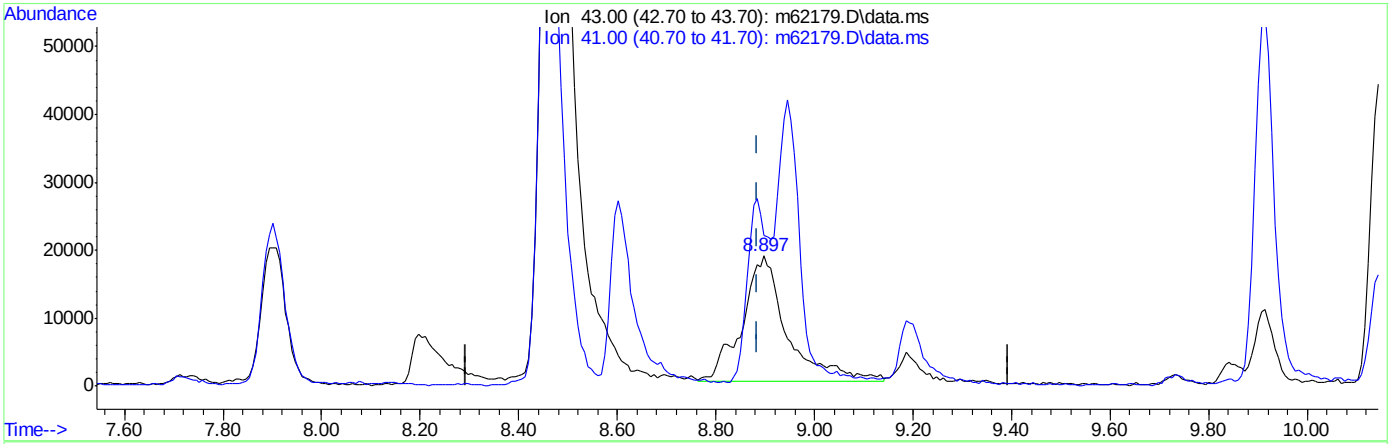
Ion	Exp%	Act%
56.00	100	100
52.00	2.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

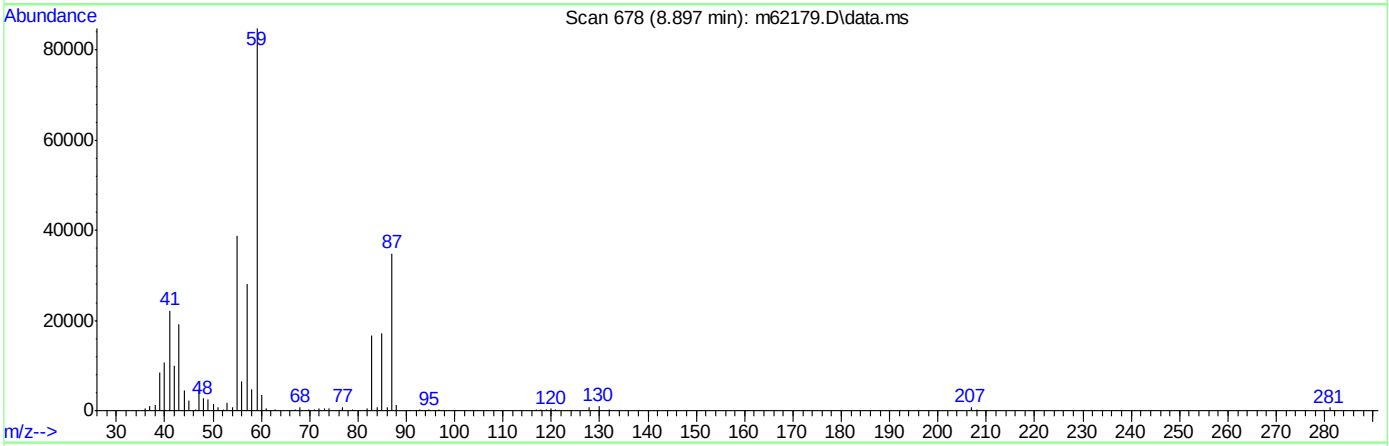
M62179.D edits: acrolein

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(33) isobutyl alcohol (P)

8.897min (+0.013) 347.97ug/kg

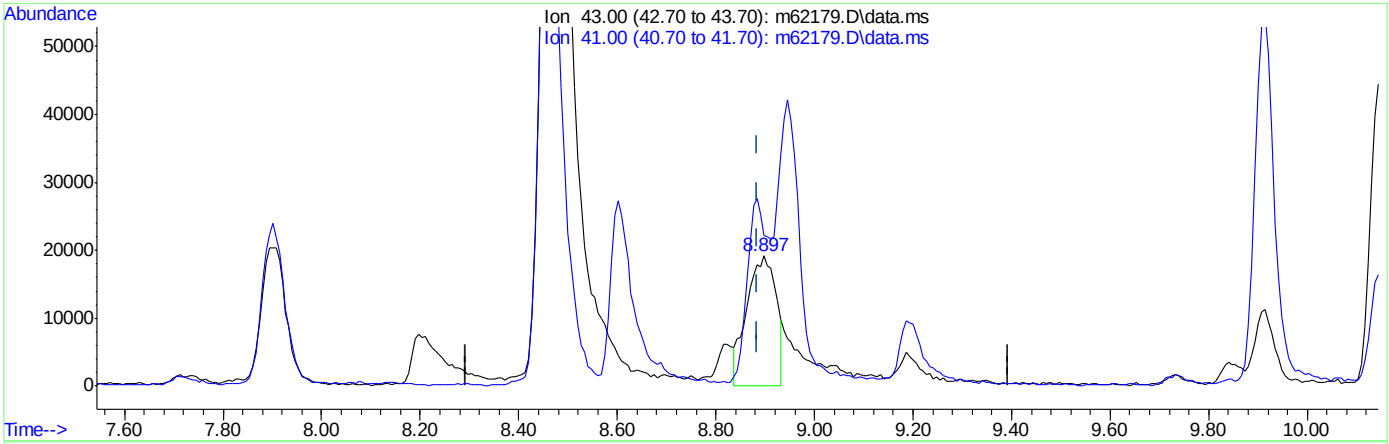
response 115810

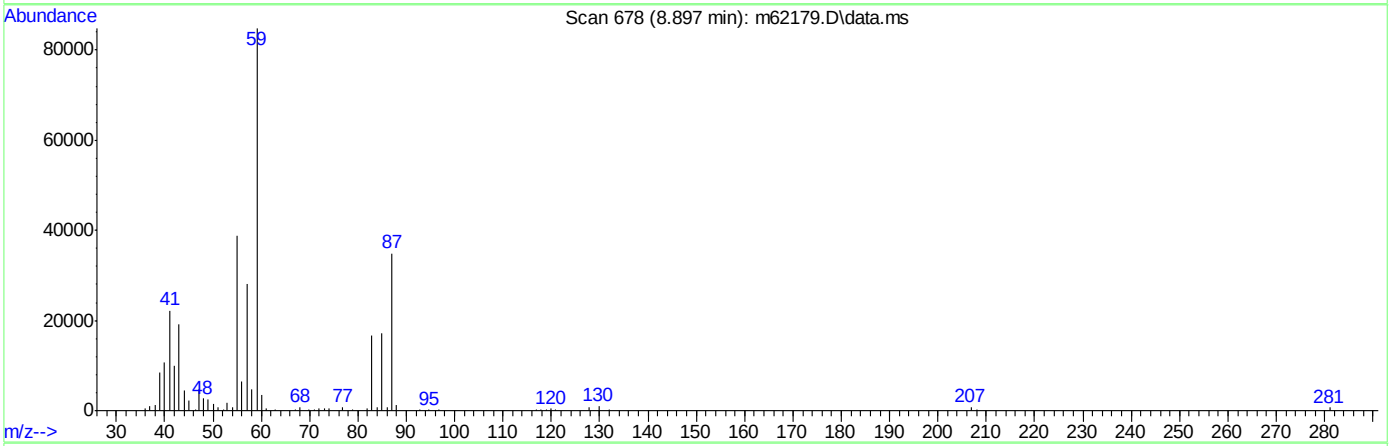
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	116.70#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(33) isobutyl alcohol (P)

8.897min (+0.013) 234.74ug/kg m

response 78127

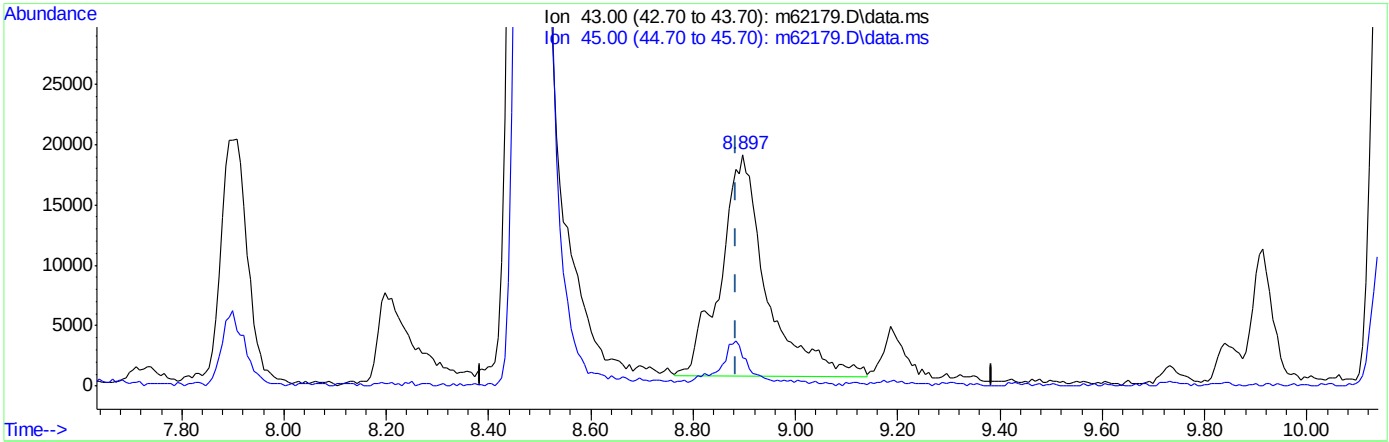
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	115.78#
0.00	0.00	0.00
0.00	0.00	0.00

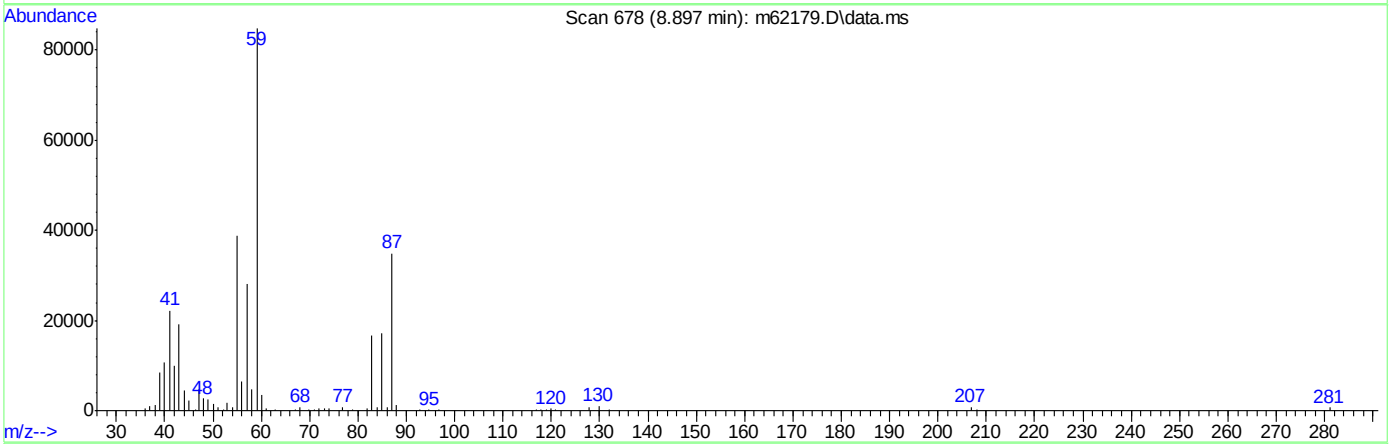
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(36) ethyl acetate (P)

8.897min (+0.013) 51.94ug/kg

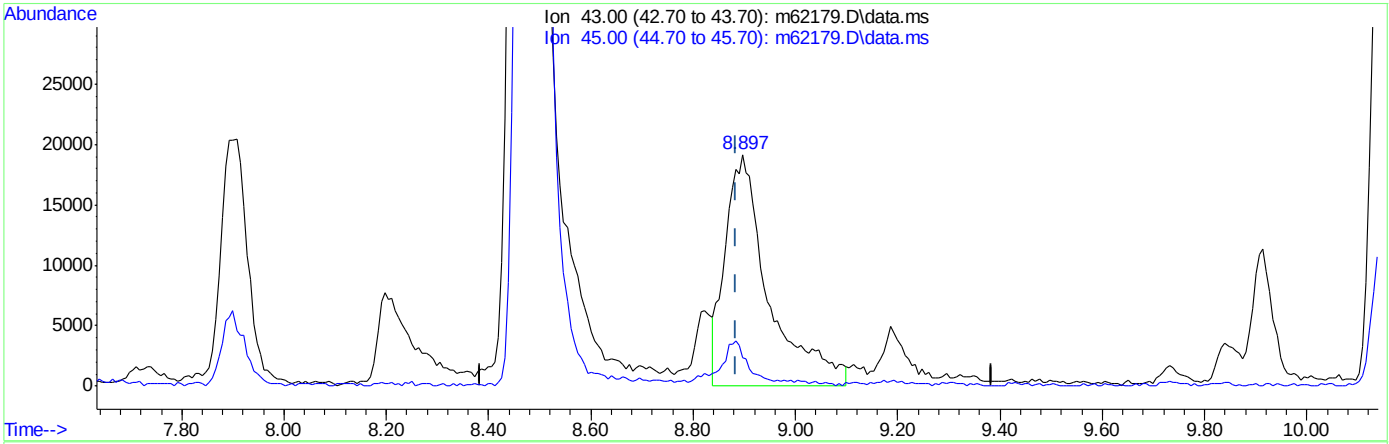
response 114509

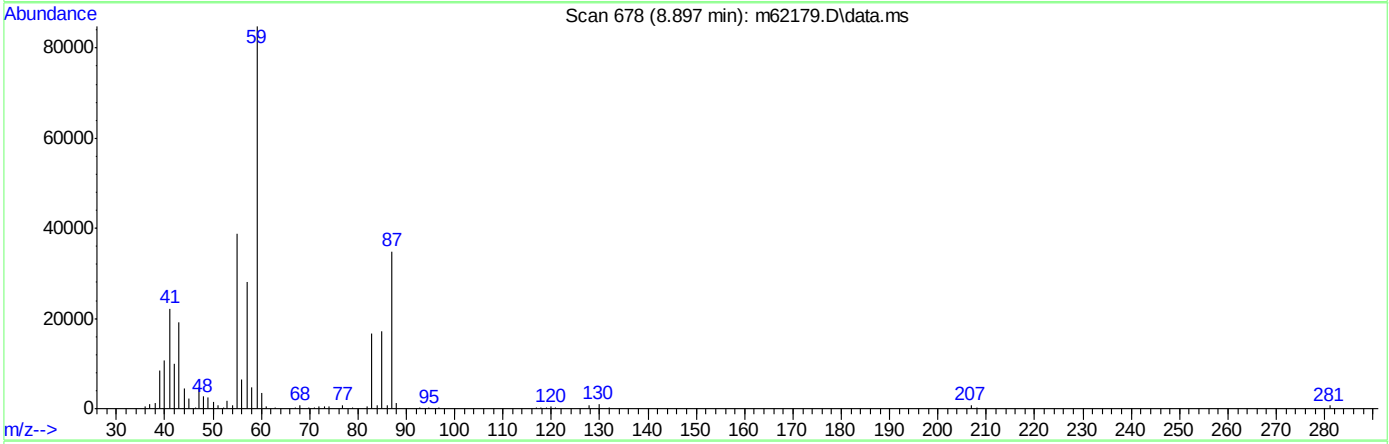
Ion	Exp%	Act%
43.00	100	100
45.00	22.10	11.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(36) ethyl acetate (P)

8.897min (+0.013) 51.65ug/kg m

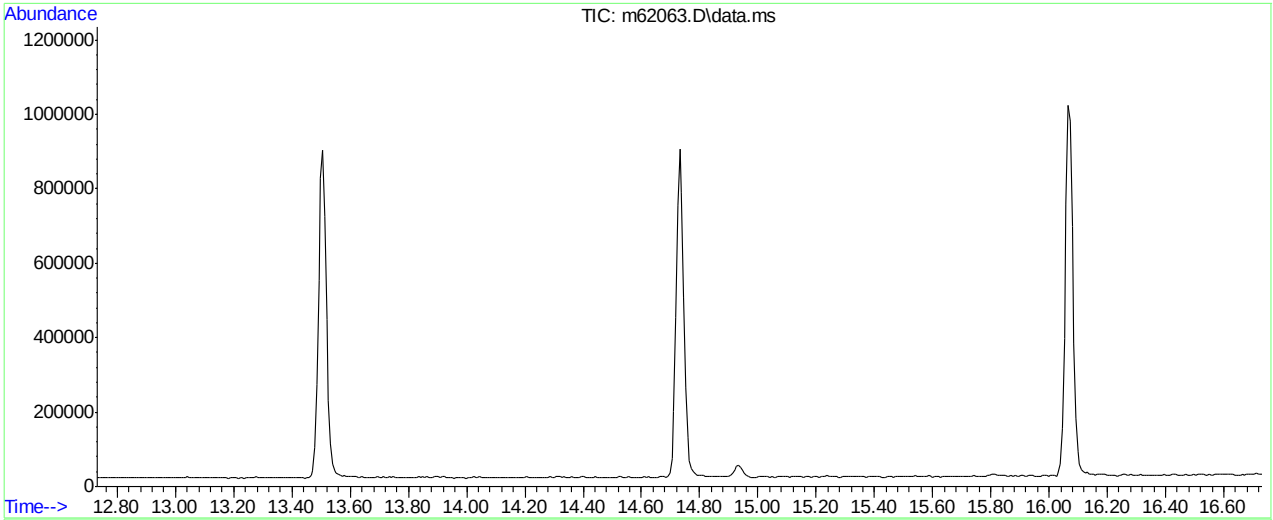
response 113877

Ion	Exp%	Act%
43.00	100	100
45.00	22.10	12.19
0.00	0.00	0.00
0.00	0.00	0.00

BFB

Data File : C:\msdchem\1\data\M131211S\m62063.D Vial: 5
Acq On : 11 Dec 2013 1:55 pm Operator: krystend
Sample : bfb Inst : GCMS M
Misc : MS30736,MSM2169,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M131211S.M (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Average of 14.724 to 14.738 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	31083	PASS
75	95	30	60	41.2	69645	PASS
95	95	100	100	100.0	168896	PASS
96	95	5	9	6.8	11434	PASS
173	174	0.00	2	0.7	994	PASS
174	95	50	150	87.5	147755	PASS
175	174	5	9	7.6	11287	PASS
176	174	95	101	96.4	142477	PASS
177	176	5	9	6.5	9307	PASS

m62063.D M131211S.M Thu Dec 12 09:18:51 2013

Average of 14.724 to 14.738 min.: m62063.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1496	50.00	31083	63.05	4741	75.00	69645
37.05	7538	51.05	10067	64.05	425	76.00	6027
38.05	6806	52.05	362	64.90	52	77.00	854
39.00	2472	53.10	74	65.20	54	77.95	821
40.00	582	54.95	606	67.05	446	78.90	3446
42.90	180	56.00	2040	68.00	13763	79.95	869
44.00	756	57.05	3835	69.00	13376	80.90	3739
44.90	1149	58.05	171	69.95	1143	81.80	513
47.05	2552	60.00	1394	71.95	735	82.90	119
48.05	989	61.05	6630	73.00	6215	84.00	62
49.00	6597	62.00	6530	74.00	22443	86.00	80

Average of 14.724 to 14.738 min.: m62063.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	7012	105.85	575	128.95	268	145.85	308
87.95	7008	106.80	108	129.90	534	146.95	188
91.05	501	112.90	73	130.85	269	147.90	407
91.95	4096	114.90	240	132.80	52	148.90	142
93.00	6231	115.85	512	134.85	282	154.95	381
94.00	18005	116.90	967	136.95	173	156.95	297
95.00	168896	117.85	505	140.90	1611	158.70	57
95.95	11434	118.90	723	141.95	177	160.85	129
96.95	245	123.80	60	142.85	1630	170.20	64
103.00	59	124.10	56	144.00	64	172.00	102
103.85	704	127.90	687	144.90	130	173.00	994

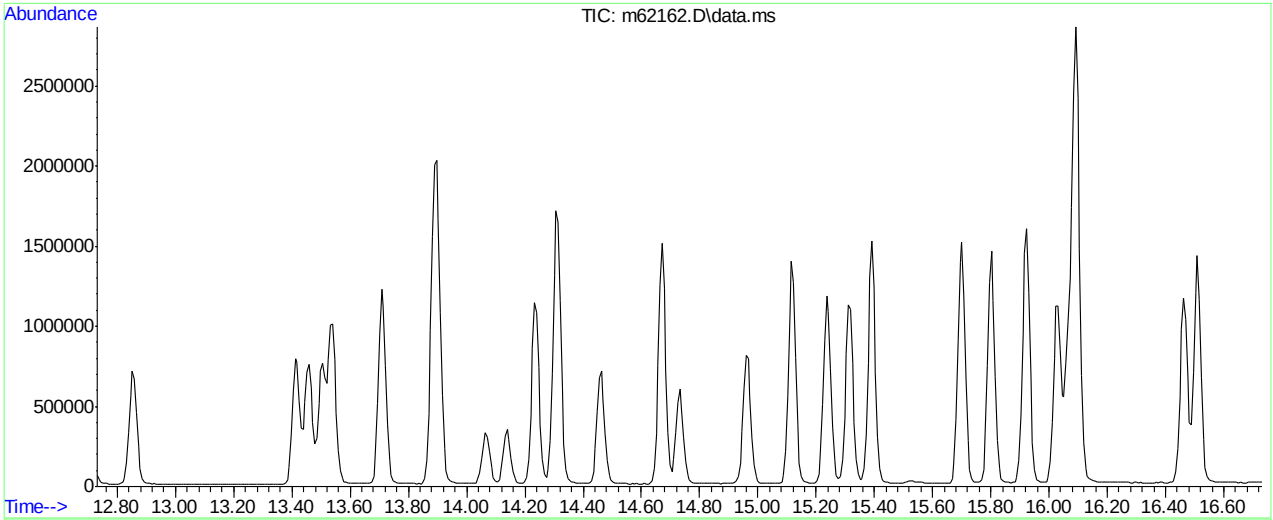
Average of 14.724 to 14.738 min.: m62063.D\data.ms
bfb
Modified:subtracted

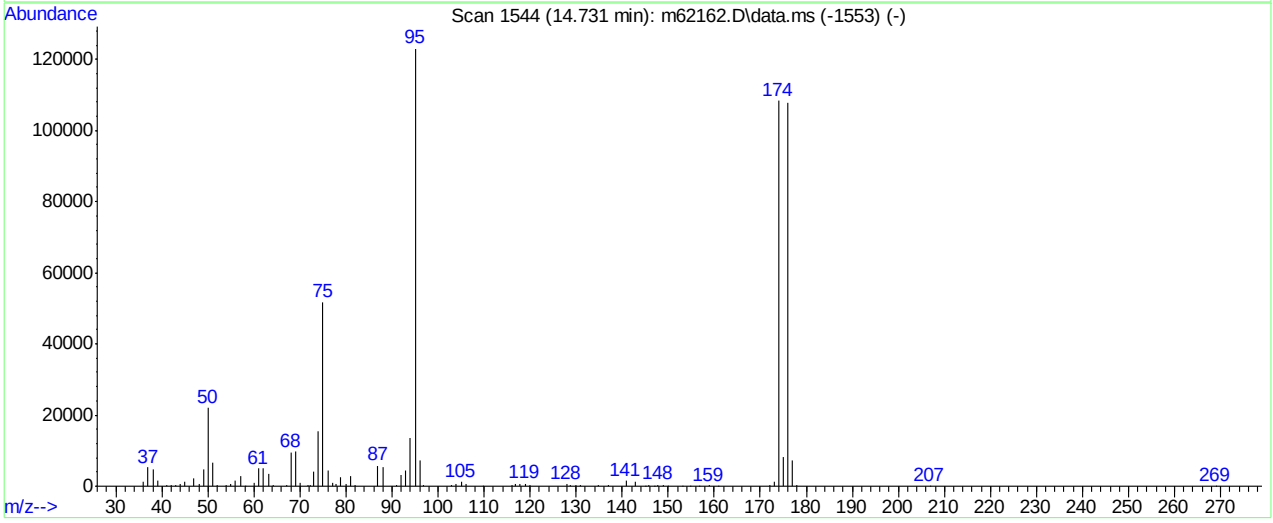
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
173.90	147755						
174.90	11287						
175.90	142477						
176.90	9307						
177.90	298						
187.00	51						
208.05	131						
252.80	52						
281.05	140						

BFB

Data File : C:\msdchem\1\data\M131213S\m62162.D Vial: 28
Acq On : 14 Dec 2013 12:41 am Operator: krystend
Sample : bfb Inst : GCMS M
Misc : MS30775,MSM2172,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M131211S.M (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Scan 1544

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.9	22002	PASS
75	95	30	60	42.1	51817	PASS
95	95	100	100	100.0	123061	PASS
96	95	5	9	5.8	7131	PASS
173	174	0.00	2	1.2	1274	PASS
174	95	50	150	88.0	108345	PASS
175	174	5	9	7.5	8105	PASS
176	174	95	101	99.6	107895	PASS
177	176	5	9	6.7	7201	PASS

m62162.D M131211S.M Mon Dec 16 09:05:35 2013

Scan 1544 (14.731 min): m62162.D\data.ms (-1553)
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	1222	49.00	4794	62.00	5195	74.95	51817
37.00	5358	49.95	22002	63.10	3457	76.00	4406
38.00	4696	51.00	6656	64.10	333	77.10	966
39.10	1743	52.00	295	67.00	344	77.90	506
41.00	221	53.90	202	68.00	9520	78.90	2434
42.10	170	55.00	488	69.00	9706	79.90	629
43.00	169	56.00	1668	70.00	844	80.90	2814
44.00	750	57.00	2889	71.75	305	82.00	433
45.00	1330	58.10	152	72.20	365	86.90	5796
47.00	2110	60.00	1029	73.00	4145	88.00	5329
48.00	719	61.00	5008	74.00	15392	91.00	437

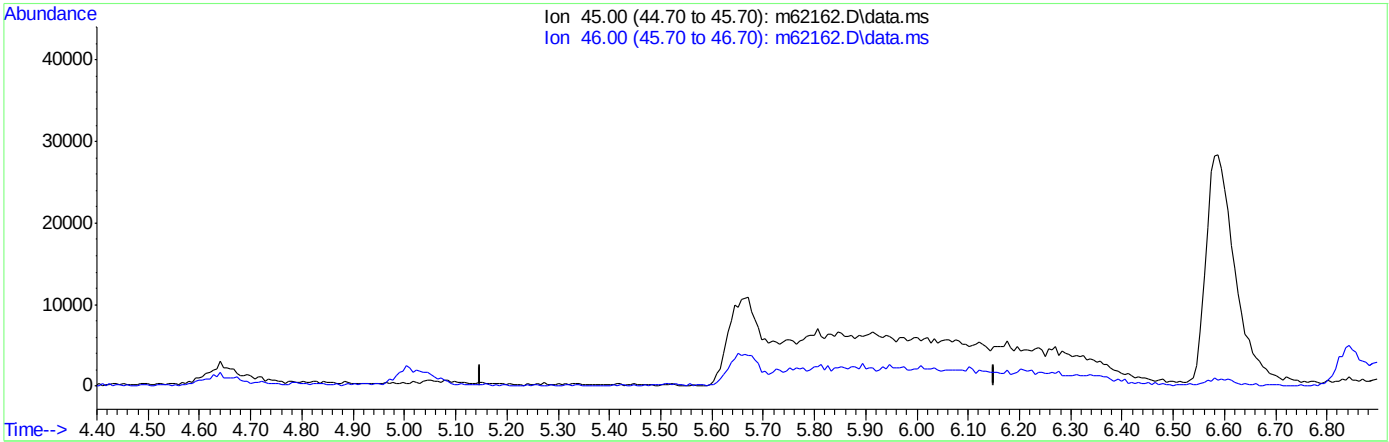
Scan 1544 (14.731 min): m62162.D\data.ms (-1553)
bfb
Modified:subtracted

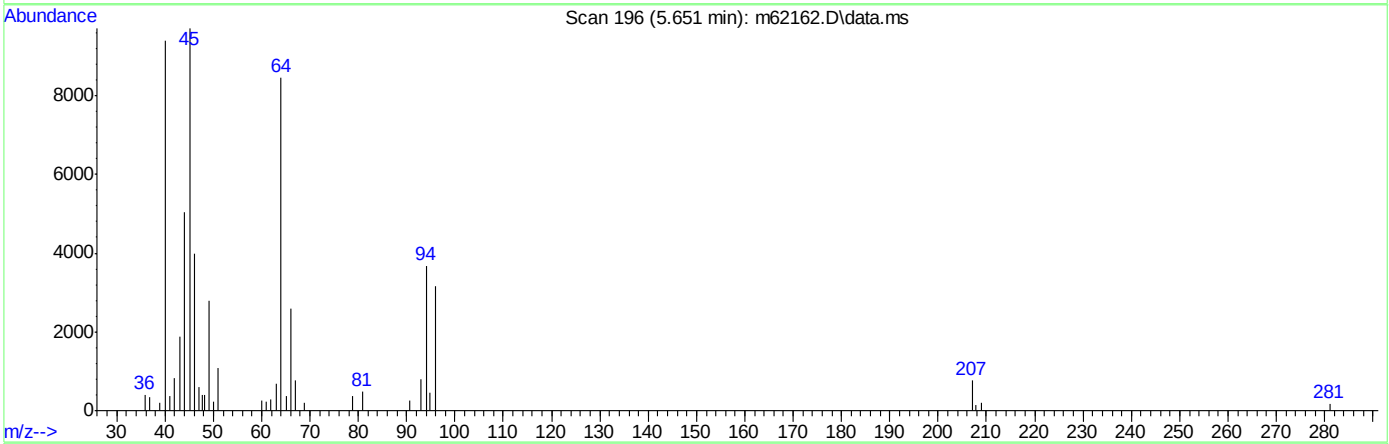
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	3225	116.00	430	140.90	1568	158.90	277
93.00	4514	116.90	712	142.90	1430	160.90	166
94.00	13414	117.80	523	145.00	159	172.00	239
95.00	123061	118.90	738	145.80	248	173.00	1274
96.00	7131	119.90	320	146.90	57	173.90	108345
96.90	430	127.90	604	147.80	455	175.00	8105
103.00	306	128.80	249	149.00	188	175.85	107895
103.90	665	130.00	442	149.80	153	176.90	7201
105.10	1212	130.80	175	153.00	150	177.90	338
106.00	728	134.90	306	154.80	125	206.90	8
109.80	165	136.90	219	156.80	151	269.00	75

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(3) Ethanol (P)

5.650min (-5.650) 0.00ug/kg

response 0

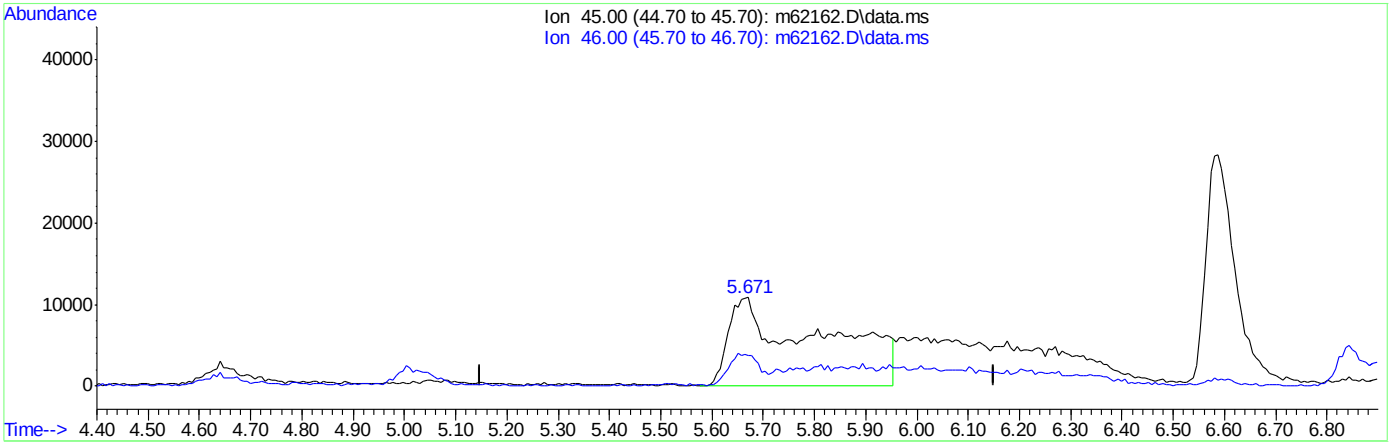
Ion	Exp%	Act%
45.00	100	0.00
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

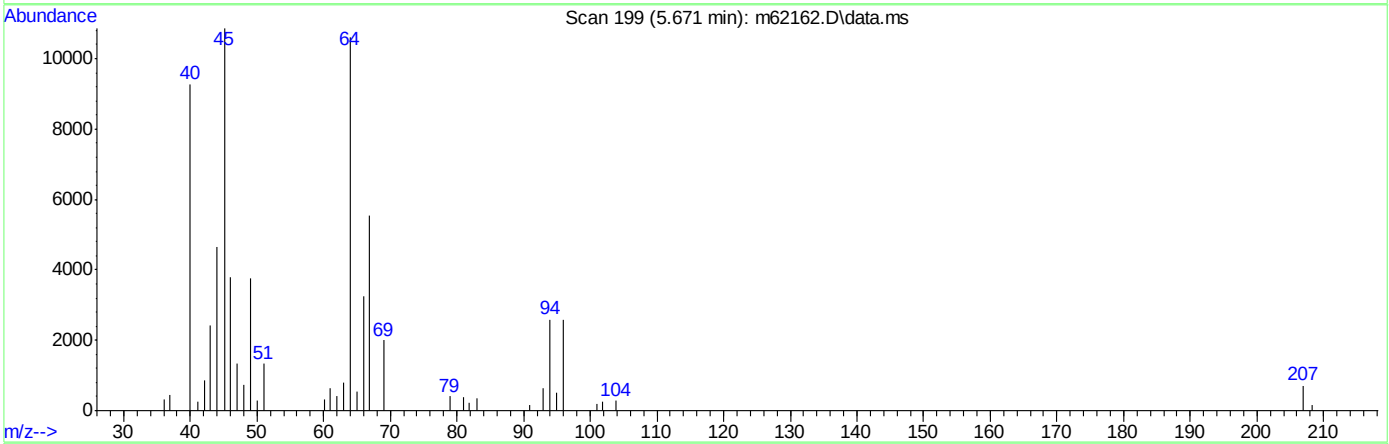
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(3) Ethanol (P)

5.671min (+0.021) 4676.20ug/kg m

response 134764

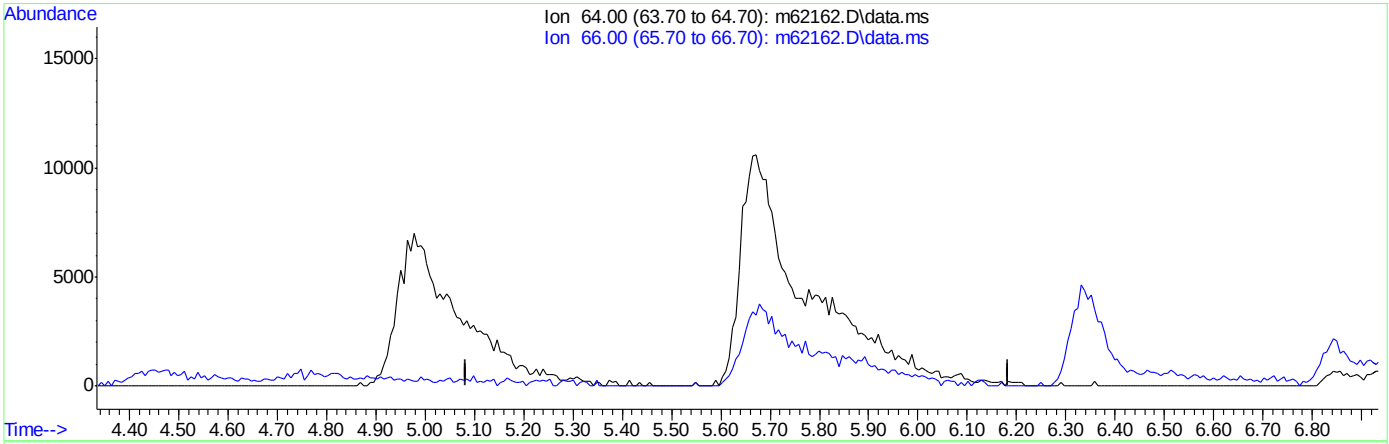
Ion	Exp%	Act%
45.00	100	100
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

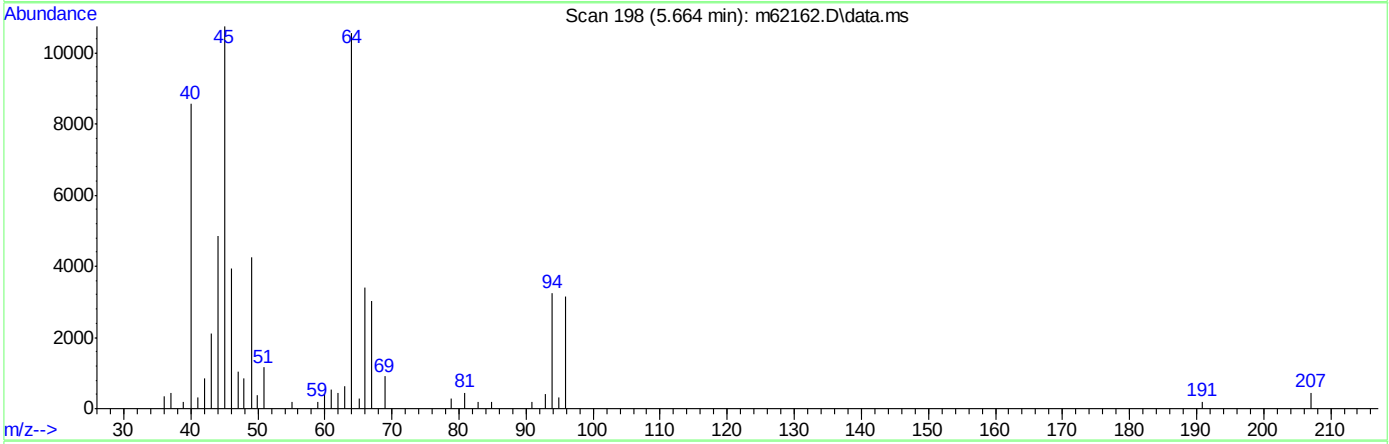
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(9) chloroethane (P)

5.664min (-5.664) 0.00ug/kg

response 0

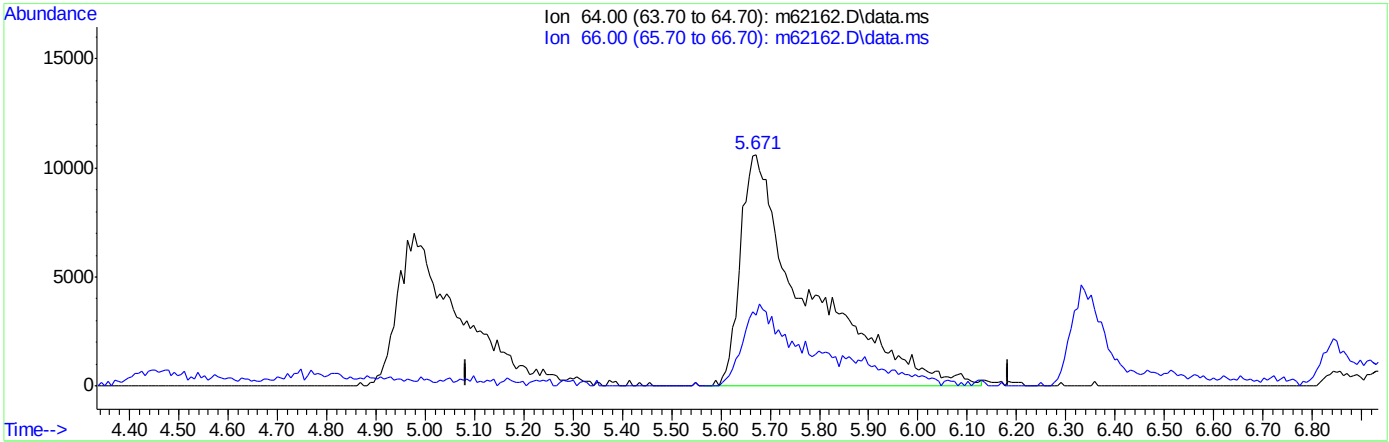
Ion	Exp%	Act%
64.00	100	0.00
66.00	28.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

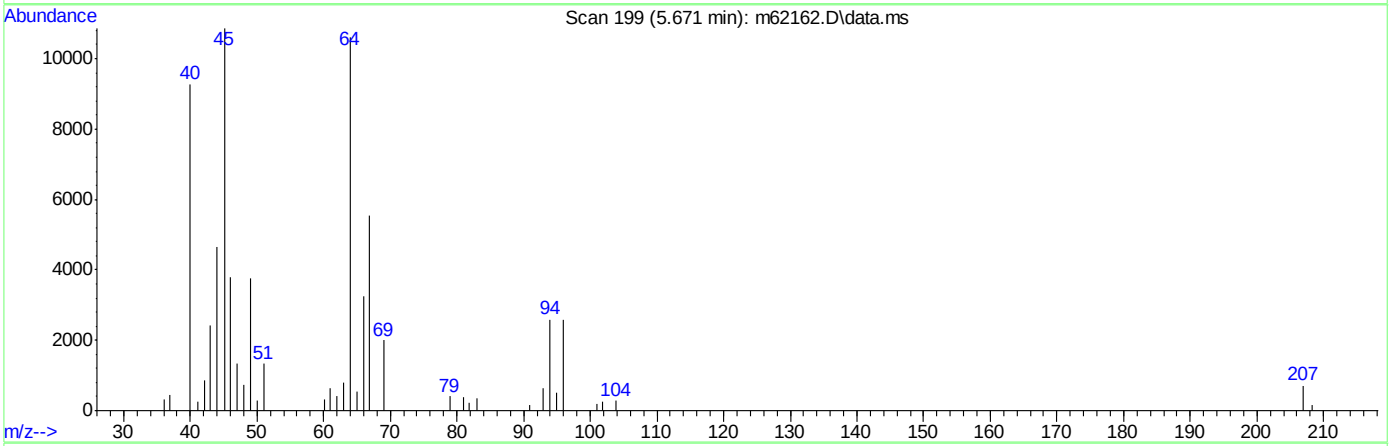
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(9) chloroethane (P)

5.671min (+0.007) 45.57ug/kg m

response 100775

Ion	Exp%	Act%
64.00	100	100
66.00	28.60	30.62
0.00	0.00	0.00
0.00	0.00	0.00

M62162.D edits: chloroethane

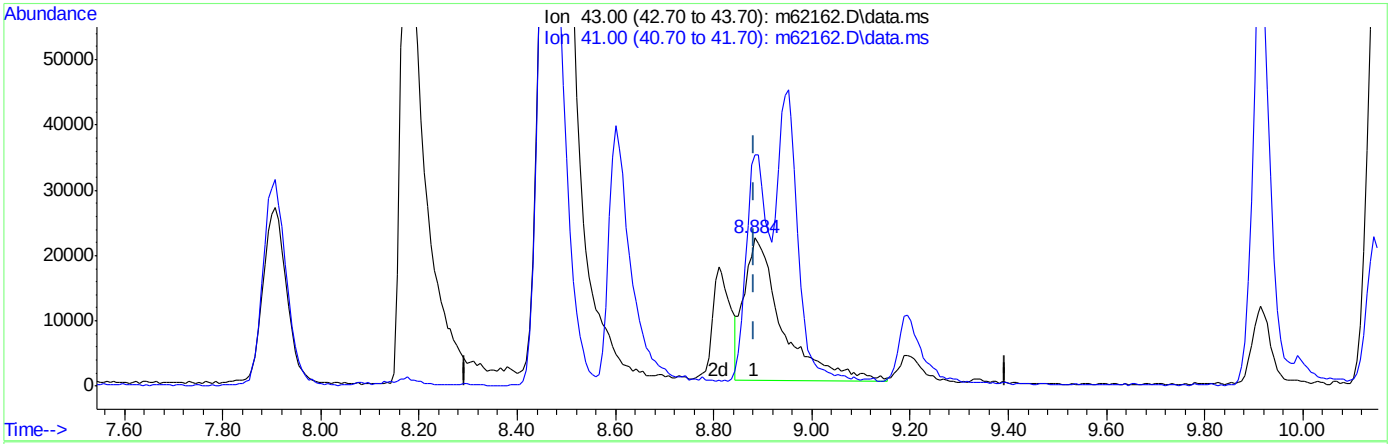
ACCUTEST LABORATORIES MC26923

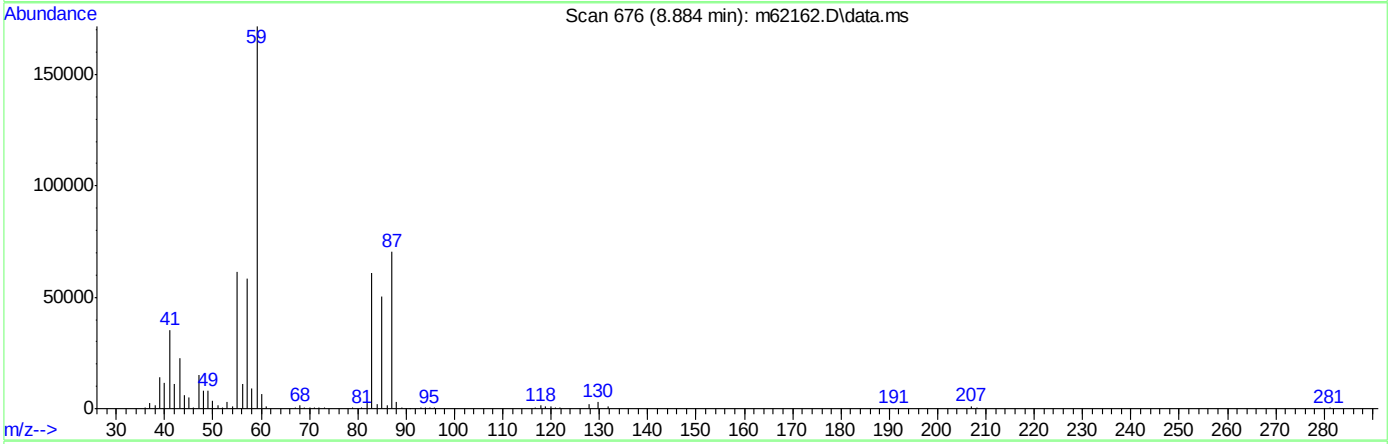
7.5.2.4 7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(33) isobutyl alcohol (P)

8.884min (0.000) 324.81ug/kg

response 118155

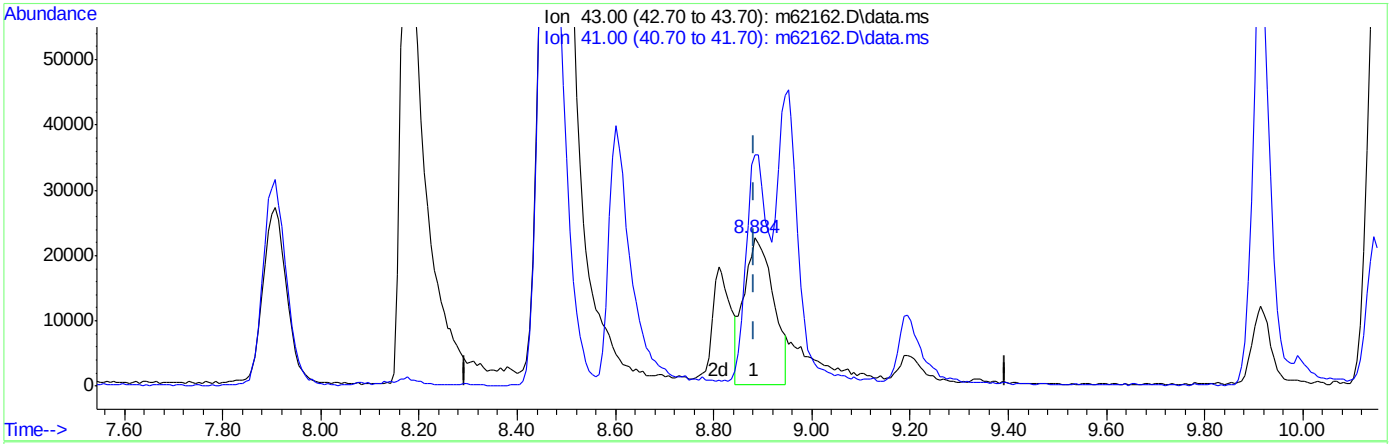
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	160.24
0.00	0.00	0.00
0.00	0.00	0.00

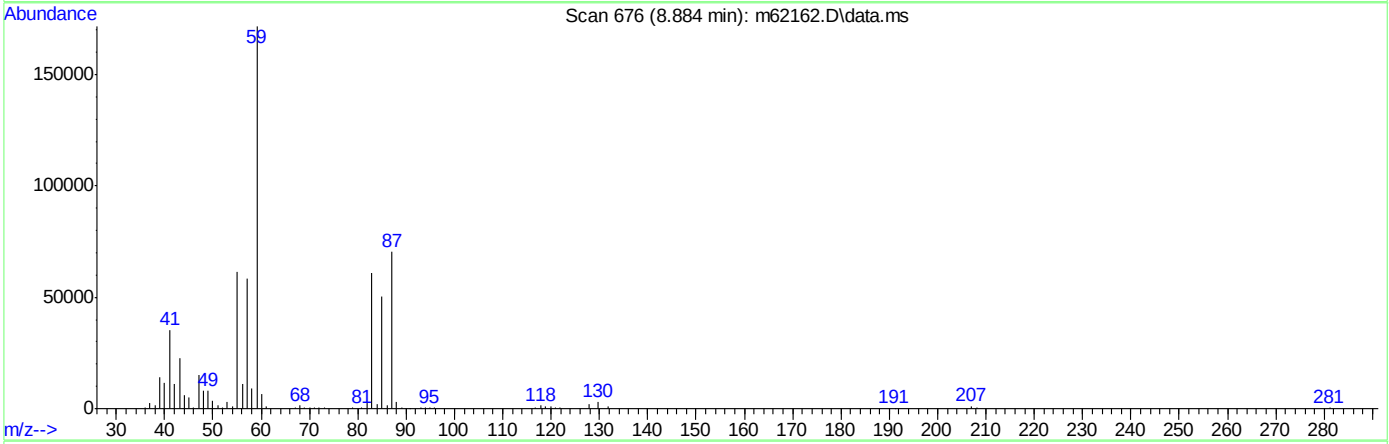
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(33) isobutyl alcohol (P)

8.884min (0.000) 254.02ug/kg m

response 92404

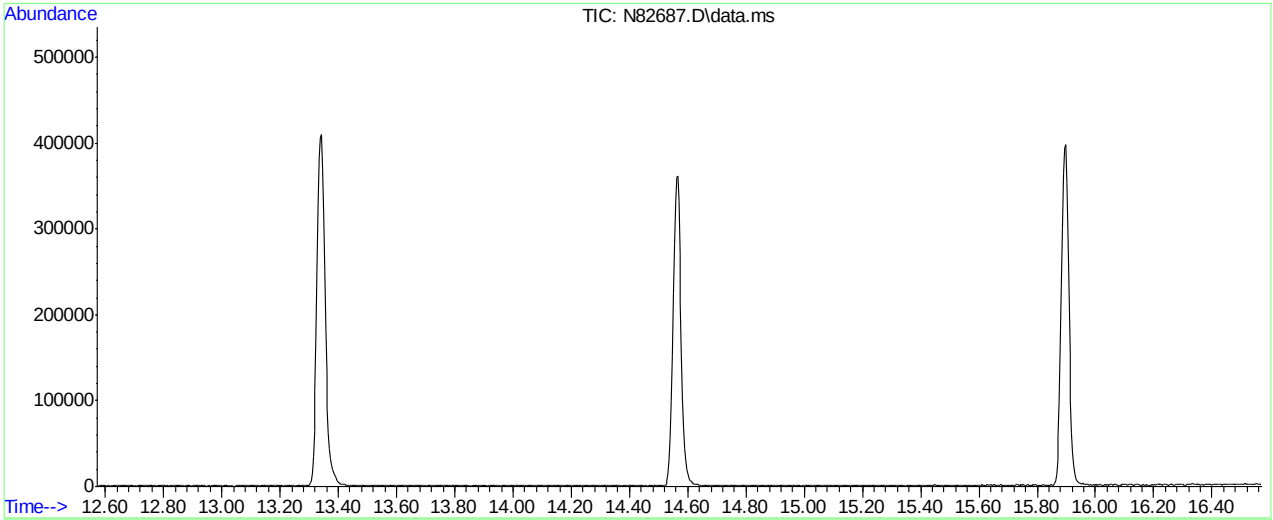
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	156.55
0.00	0.00	0.00
0.00	0.00	0.00

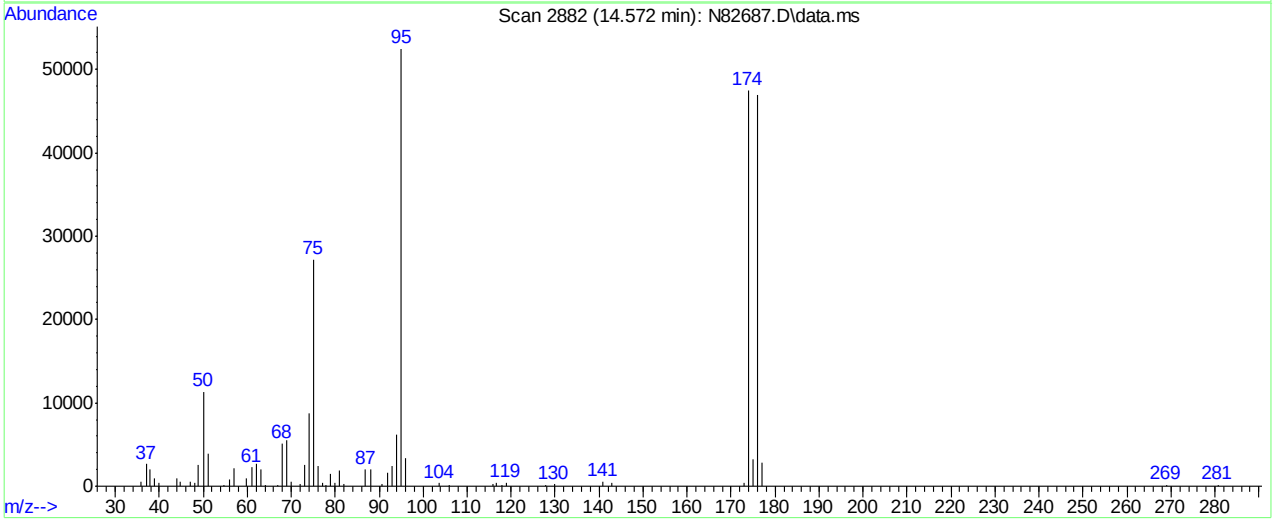
ACCUTEST LABORATORIES MC26923

SW-846 Method 8260

Data File : C:\msdchem\1\data\N131125\N82687.D Vial: 18
Acq On : 25 Nov 2013 11:37 am Operator: jaclynb
Sample : bfb Inst : MSN
Misc : ms30621,MSN3086,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\n131125w.m (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Scan 2882

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.6	11360	PASS
75	95	30	60	51.7	27176	PASS
95	95	100	100	100.0	52520	PASS
96	95	5	9	6.5	3408	PASS
173	174	0.00	2	0.9	432	PASS
174	95	50	150	90.4	47480	PASS
175	174	5	9	6.7	3196	PASS
176	174	95	101	98.9	46936	PASS
177	176	5	9	6.0	2804	PASS

N82687.D n131125w.m Tue Nov 26 10:38:48 2013

Scan 2882 (14.572 min): N82687.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	531	51.00	3840	69.00	5552	80.90	1831
37.00	2665	54.70	185	69.90	543	81.90	223
37.90	2080	56.00	750	72.00	244	86.90	2069
39.00	883	56.90	2118	73.00	2605	88.00	1998
39.90	460	59.90	891	74.00	8691	90.70	265
43.90	1011	61.00	2313	75.00	27176	91.90	1582
44.80	506	62.00	2708	76.00	2404	92.90	2405
47.00	577	63.00	1963	77.00	404	94.00	6213
48.00	380	64.10	157	77.80	186	95.00	52520
48.90	2609	67.00	177	78.80	1546	96.00	3408
50.00	11360	67.90	5169	79.80	426	103.70	356

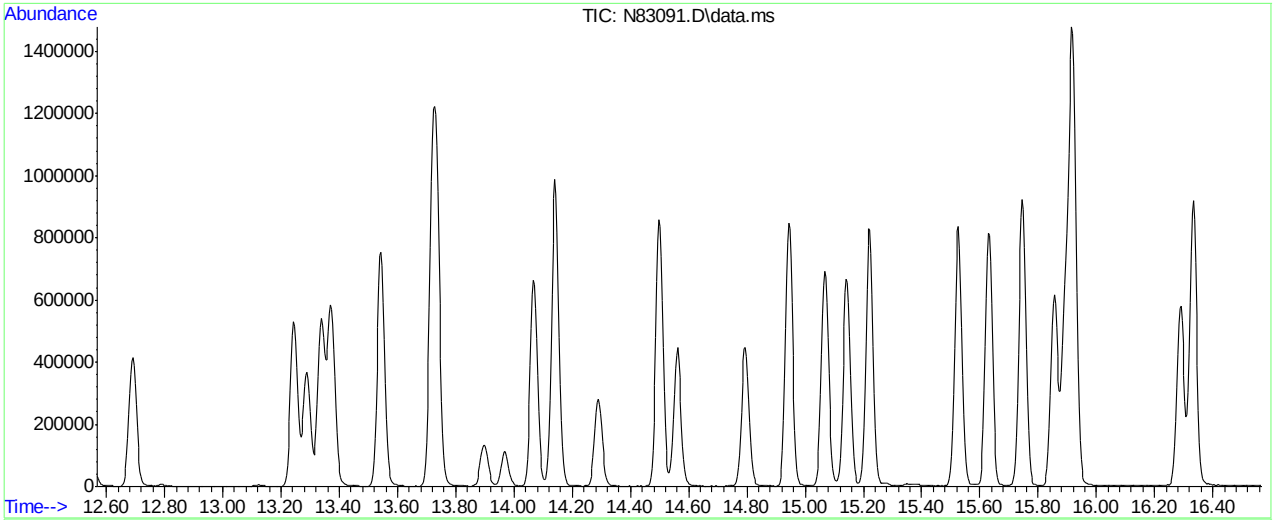
Scan 2882 (14.572 min): N82687.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
105.90	183	174.90	3196				
115.80	249	175.90	46936				
116.70	379	176.90	2804				
117.80	197	269.00	162				
118.90	441	280.70	160				
127.80	178						
129.80	217						
140.90	549						
142.80	463						
172.90	432						
173.90	47480						

SW-846 Method 8260

Data File : C:\msdchem\1\data\N131210\N83091.D Vial: 16
Acq On : 10 Dec 2013 10:49 am Operator: jaclynb
Sample : bfb Inst : MSN
Misc : ms30713,MSN3101,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\n131125w.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 2881

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.0	13445	PASS
75	95	30	60	45.7	32264	PASS
95	95	100	100	100.0	70664	PASS
96	95	5	9	6.1	4298	PASS
173	174	0.00	2	0.8	487	PASS
174	95	50	150	87.1	61560	PASS
175	174	5	9	7.0	4322	PASS
176	174	95	101	100.7	61968	PASS
177	176	5	9	6.0	3701	PASS

N83091.D n131125w.m Tue Dec 10 12:39:46 2013

Scan 2881 (14.569 min): N83091.D\data.ms
cc3086-50

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	751	51.00	4720	68.90	6688	79.80	510
36.90	3308	51.90	222	69.90	434	80.80	1669
38.00	3117	55.00	272	71.70	248	81.90	357
39.00	934	56.00	1030	73.00	3169	86.90	4172
39.80	375	57.00	1981	74.00	11589	87.90	3549
44.00	1122	59.90	534	75.00	32264	90.90	392
44.90	593	61.00	3254	76.00	3270	91.90	2115
46.90	776	62.00	3058	77.00	616	92.90	2980
47.90	609	63.00	2927	77.60	223	94.00	7604
49.00	3112	63.90	164	78.00	227	95.00	70664
50.00	13445	67.90	6908	78.90	1533	96.00	4298

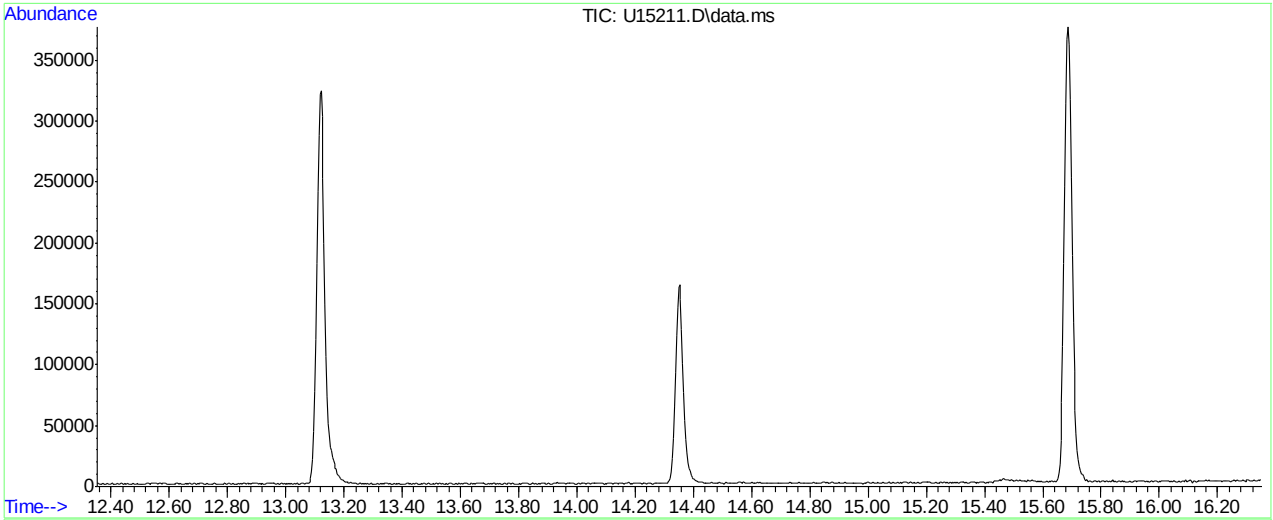
Scan 2881 (14.569 min): N83091.D\data.ms
cc3086-50

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.30	163	130.00	207				
103.80	388	140.80	584				
104.90	653	142.90	588				
105.90	270	146.90	151				
109.90	152	155.00	428				
115.90	295	173.00	487				
116.80	366	173.90	61560				
117.60	188	174.90	4322				
118.70	224	175.90	61968				
127.80	297	176.90	3701				
128.90	222	268.90	256				

SW-846 Method 8260

Data File : D:\msdchem\1\data\u131017\U15211.D Vial: 3
Acq On : 17 Oct 2013 1:27 pm Operator: jaclynb
Sample : bfb Inst : MSU
Misc : MS30140,MSU756,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\msdchem\1\methods\U131017W.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 3335

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.3	7357	PASS
75	95	30	60	49.4	17032	PASS
95	95	100	100	100.0	34488	PASS
96	95	5	9	6.3	2156	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	80.7	27832	PASS
175	174	5	9	7.2	1992	PASS
176	174	95	101	99.7	27752	PASS
177	176	5	9	5.3	1484	PASS

U15211.D U131017W.m Fri Oct 18 09:13:53 2013

Scan 3335 (14.353 min): U15211.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	475	51.10	2149	73.10	1600	91.00	173
37.10	1567	56.10	638	74.10	5192	92.10	985
38.10	1684	57.10	995	75.10	17032	93.00	1397
39.10	695	60.10	299	76.10	1217	94.10	3942
40.10	571	61.10	1521	77.10	201	95.10	34488
44.10	1832	62.10	1572	79.00	898	96.10	2156
45.10	455	63.10	1010	80.00	170	116.90	202
47.20	555	68.10	3044	81.00	1002	119.00	177
48.00	172	69.10	3284	82.10	246	127.80	158
49.10	1365	69.90	159	87.00	1454	141.10	322
50.10	7357	72.00	232	88.00	1263	143.00	405

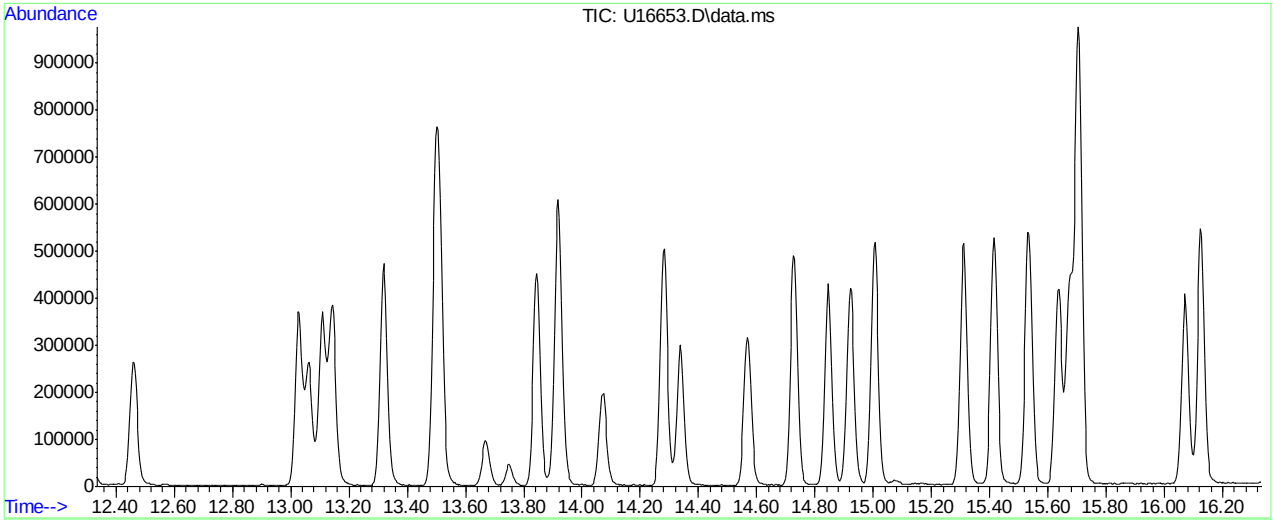
Scan 3335 (14.353 min): U15211.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
148.00	233						
174.00	27832						
175.00	1992						
176.00	27752						
177.00	1484						
193.00	154						

SW-846 Method 8260

Data File : D:\msdchem\1\data\U131209\U16653.D Vial: 3
Acq On : 9 Dec 2013 9:02 am Operator: garyk
Sample : bfb Inst : MSU
Misc : ms30714,msu797,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\msdchem\1\methods\U131017W.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 3330

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	13218	PASS
75	95	30	60	49.0	28872	PASS
95	95	100	100	100.0	58928	PASS
96	95	5	9	7.5	4426	PASS
173	174	0.00	2	0.7	372	PASS
174	95	50	150	87.2	51368	PASS
175	174	5	9	8.3	4243	PASS
176	174	95	101	98.0	50336	PASS
177	176	5	9	6.6	3313	PASS

U16653.D U131017W.m Mon Dec 09 11:51:59 2013

Scan 3330 (14.335 min): U16653.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	678	50.10	13218	68.10	5180	80.00	486
37.10	3288	51.20	4065	69.10	5665	81.00	1677
38.10	3027	52.10	235	70.10	607	82.10	323
39.20	1572	55.10	193	72.00	312	87.00	2740
40.10	1160	56.10	923	73.10	2309	88.00	2408
43.20	195	57.10	2086	74.10	9504	91.10	327
44.10	1463	60.10	623	75.10	28872	92.10	1407
45.10	756	61.10	2707	76.10	2287	93.10	2189
47.10	1196	62.10	2695	77.00	680	94.10	6349
48.10	411	63.10	2086	78.10	372	95.10	58928
49.10	2891	64.00	219	79.00	1427	96.10	4426

Scan 3330 (14.335 min): U16653.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.00	232	129.80	205	207.00	302		
103.10	198	135.00	187	269.00	360		
104.00	306	141.00	736	281.10	168		
105.20	1193	143.00	614				
106.00	402	147.00	171				
116.00	299	147.90	173				
117.00	380	172.90	372				
118.00	268	174.00	51368				
119.00	349	175.00	4243				
120.20	302	176.00	50336				
127.80	186	177.00	3313				

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/12/13 11:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62065.D
Acq On : 11 Dec 2013 2:53 pm
Operator : krystend
Sample : IC2169-0.5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 11 17:19:04 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:18:01 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	135165	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	393784	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	634206	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	267826	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	314302	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	0.000	113	0	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
59) toluene-d8 (s)	0.000	98	0d	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
81) bromofluorobenzene (s)	0.000	95	0d	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
46) benzene	10.029	78	12018	0.77	ug/kg	97
50) trichloroethene	10.662	95	3393m	0.76	ug/kg	
66) tetrachloroethene	12.852	166	3227m	0.68	ug/kg	

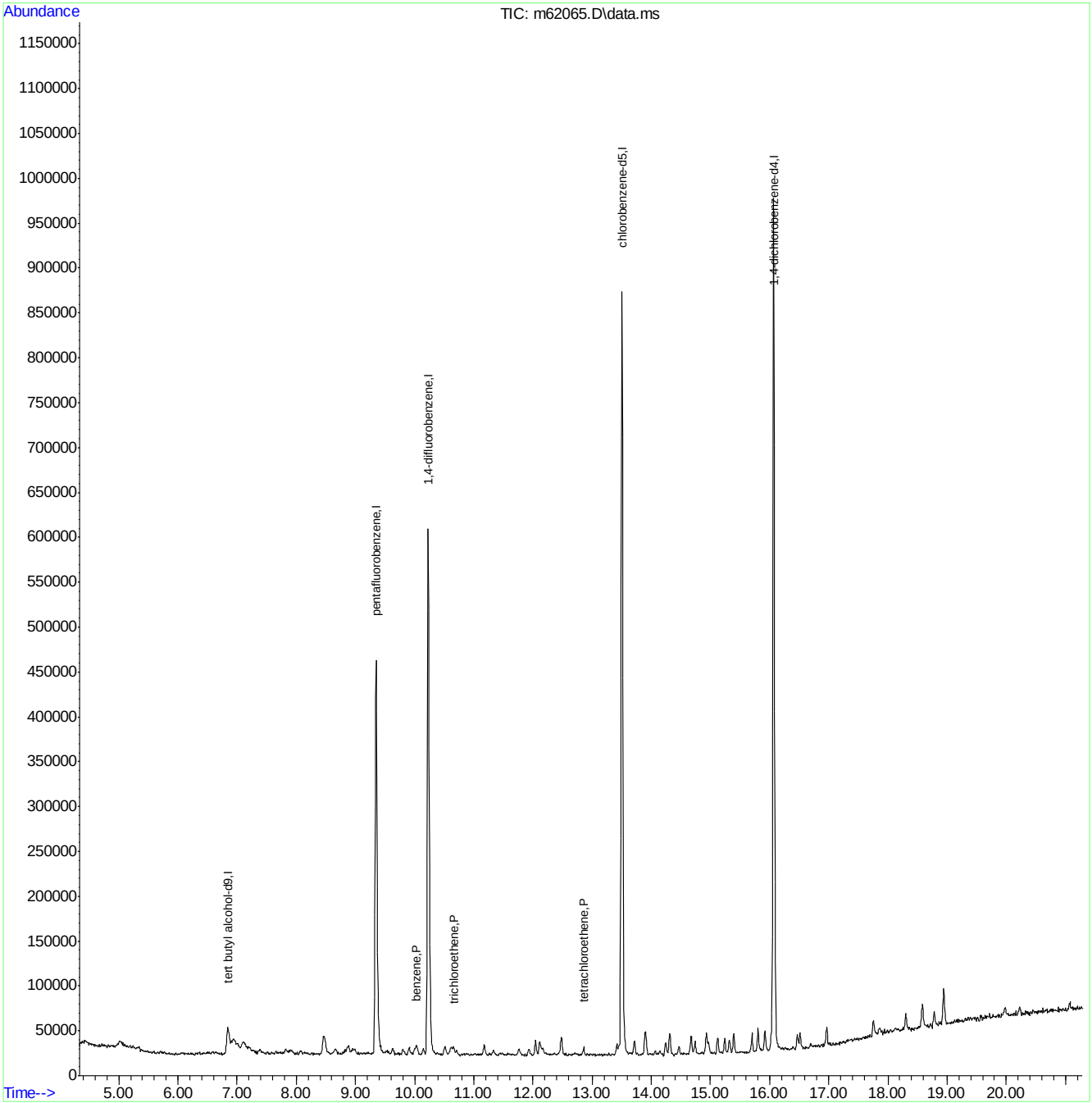
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62065.D
Acq On : 11 Dec 2013 2:53 pm
Operator : krystend
Sample : IC2169-0.5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

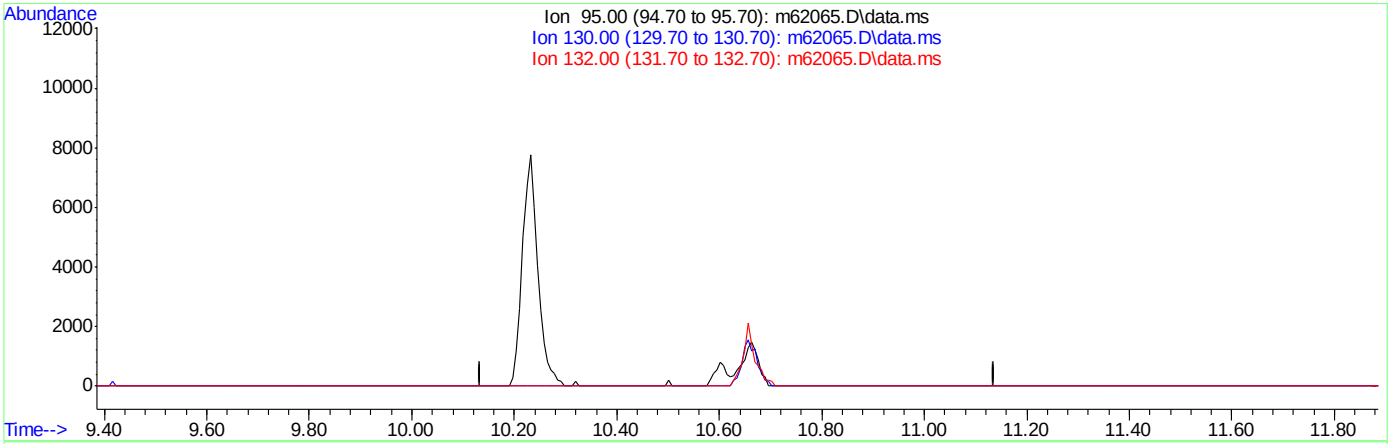
Quant Time: Dec 11 17:19:04 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:18:01 2013
Response via : Initial Calibration

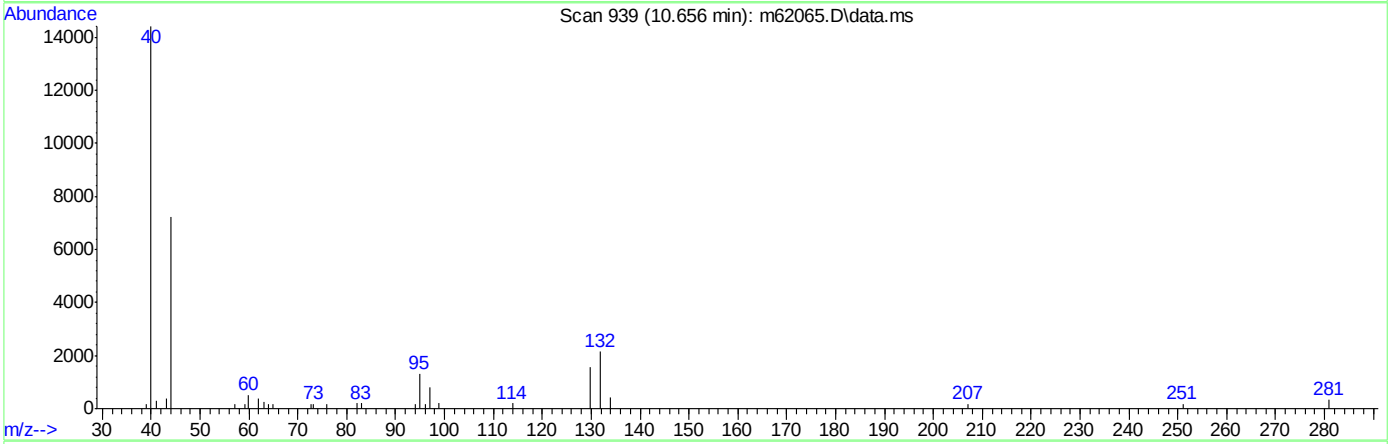


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62065.D
Acq On : 11 Dec 2013 2:53 pm
Operator : krystend
Sample : IC2169-0.5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 11 17:18:09 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:18:01 2013
Response via : Initial Calibration





TIC: m62065.D\data.ms

(50) trichloroethene (P)

10.656min (-10.656) 0.00ug/kg

response 0

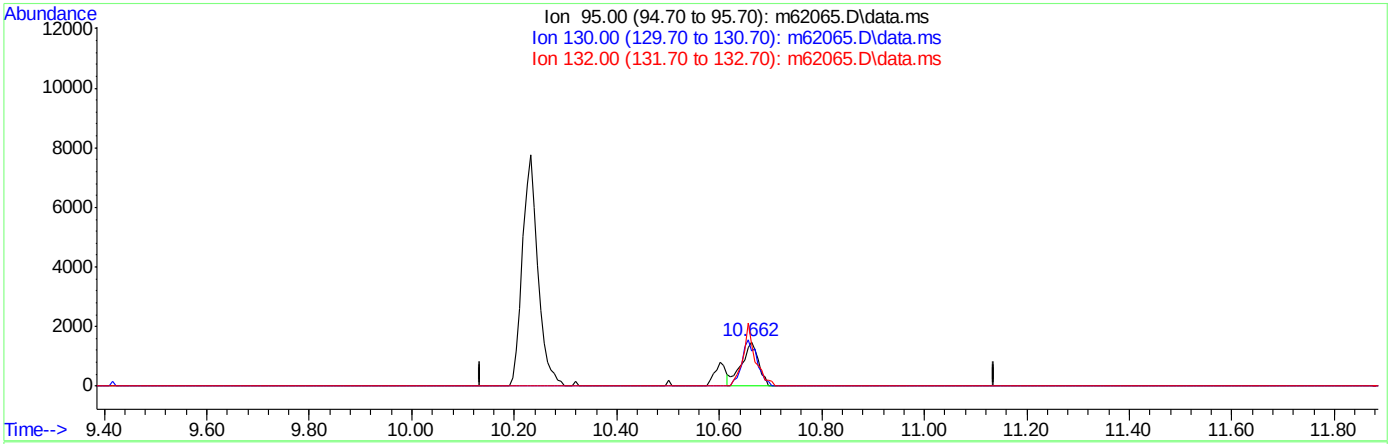
Ion	Exp%	Act%
95.00	100	0.00
130.00	118.40	0.00#
132.00	107.70	0.00#
0.00	0.00	0.00

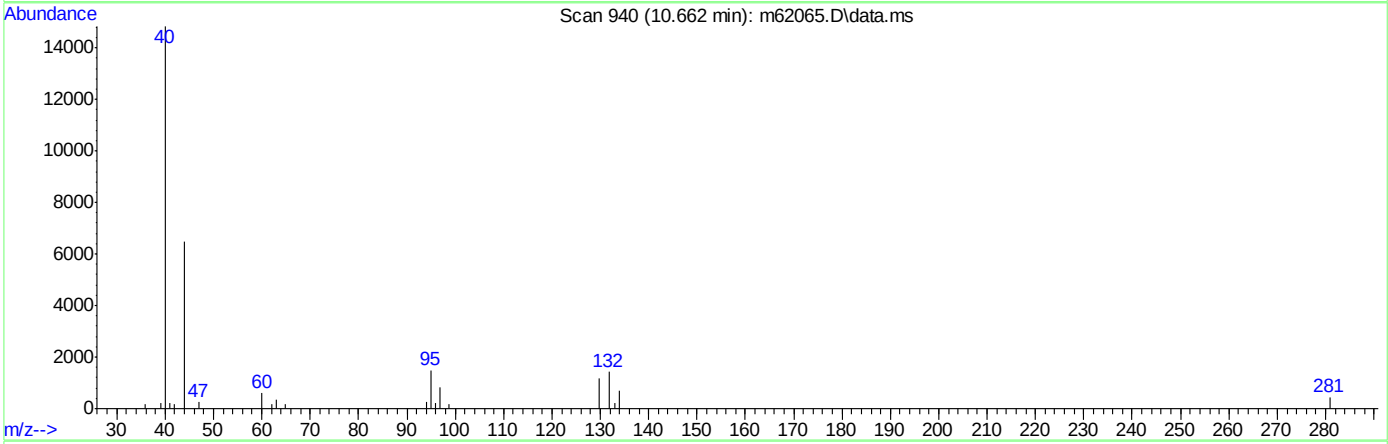
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62065.D
Acq On : 11 Dec 2013 2:53 pm
Operator : krystend
Sample : IC2169-0.5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 11 17:18:09 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:18:01 2013
Response via : Initial Calibration





TIC: m62065.D\data.ms

(50) trichloroethene (P)

10.662min (+0.007) 0.76ug/kg m

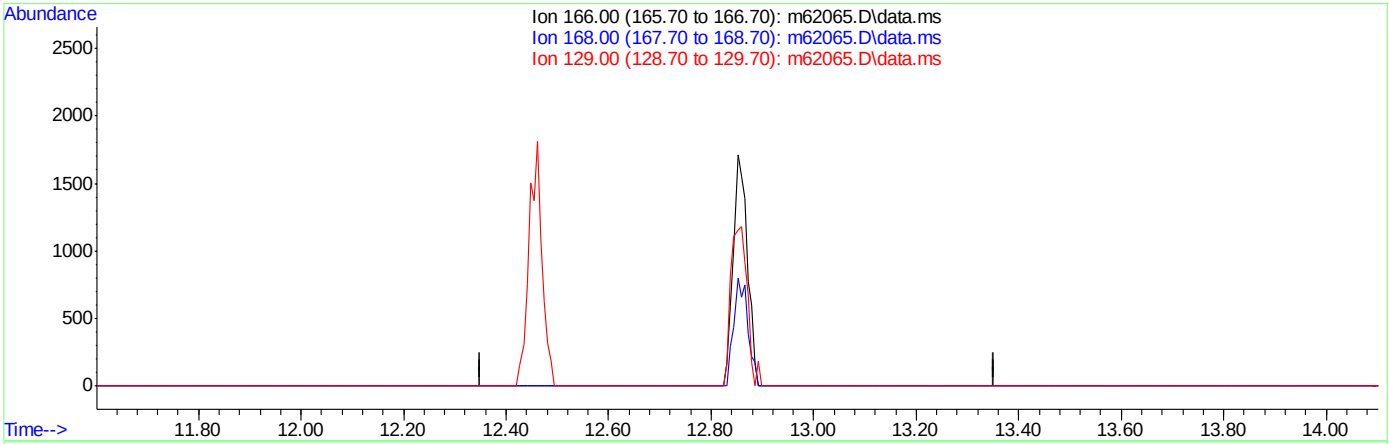
response 3393

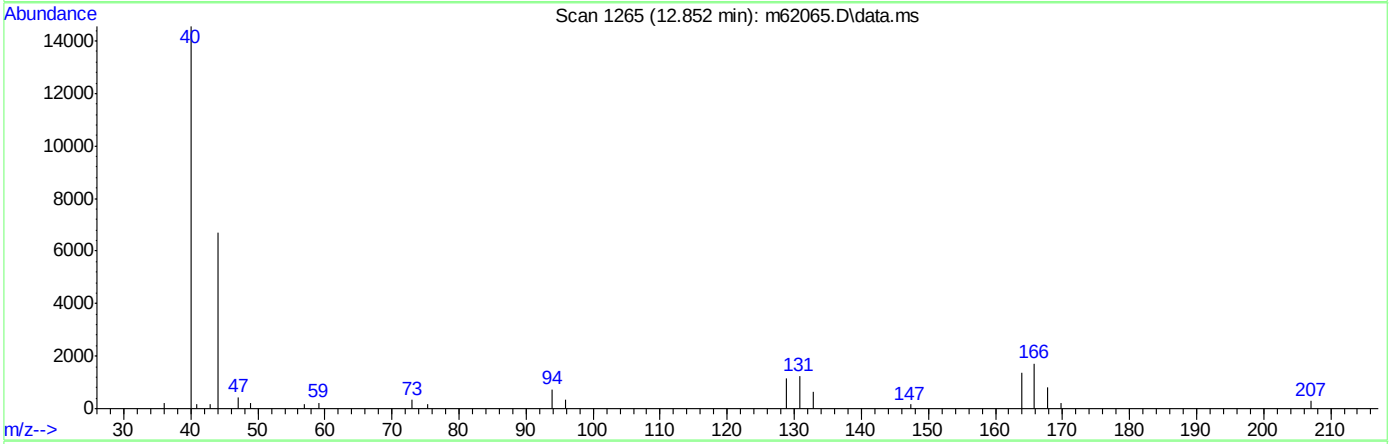
Ion	Exp%	Act%
95.00	100	100
130.00	118.40	79.23#
132.00	107.70	95.23
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62065.D
Acq On : 11 Dec 2013 2:53 pm
Operator : krystend
Sample : IC2169-0.5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 11 17:18:09 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:18:01 2013
Response via : Initial Calibration





TIC: m62065.D\data.ms

(66) tetrachloroethene (P)

12.852min (-12.852) 0.00ug/kg

response 0

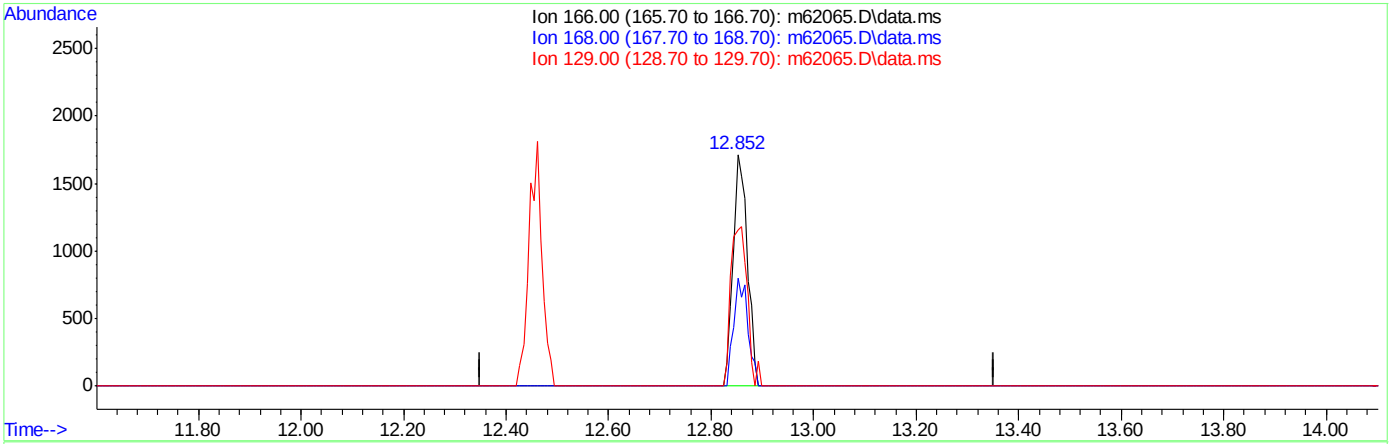
Ion	Exp%	Act%
166.00	100	0.00
168.00	46.00	0.00#
129.00	79.60	0.00#
0.00	0.00	0.00

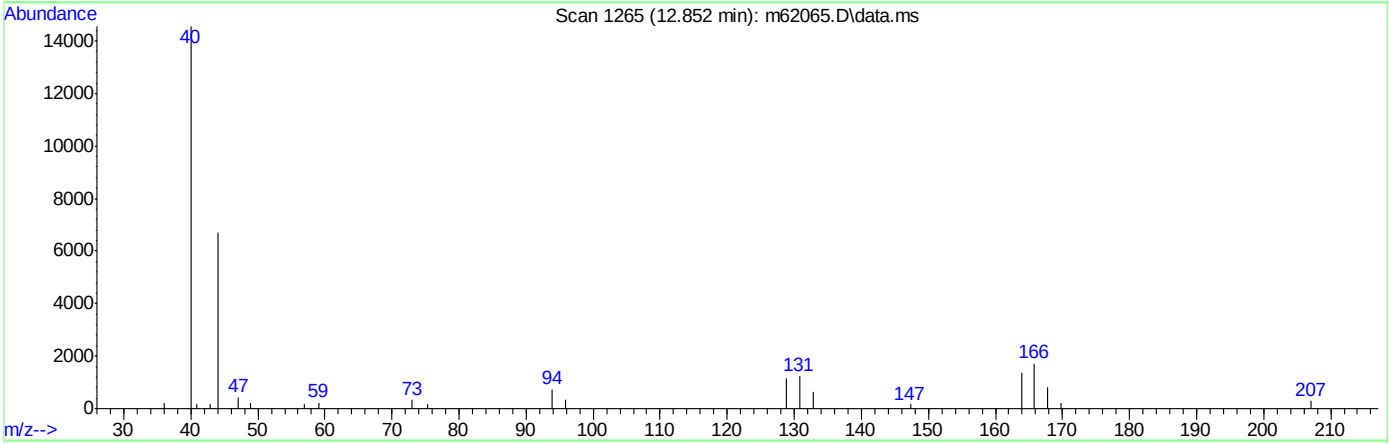
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62065.D
Acq On : 11 Dec 2013 2:53 pm
Operator : krystend
Sample : IC2169-0.5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 11 17:18:09 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:18:01 2013
Response via : Initial Calibration





TIC: m62065.D\data.ms

(66) tetrachloroethene (P)

12.852min (+0.000) 0.68ug/kg m

response 3227

Ion	Exp%	Act%
166.00	100	100
168.00	46.00	46.62
129.00	79.60	67.44
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26923

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/12/13 11:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62066.D
Acq On : 11 Dec 2013 3:23 pm
Operator : krystend
Sample : IC2169-5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 12 08:42:07 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:19:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	138384	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	396082	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	632830	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	269063	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	319843	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	24704	6.47	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 12.94%#			
59) toluene-d8 (s)	12.043	98	85817	6.38	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 12.76%#			
81) bromofluorobenzene (s)	14.731	95	33217	5.67	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 11.34%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	22037	46.62	ug/kg	78
3) Ethanol	5.637	45	18117	498.20	ug/kg#	40
5) dichlorodifluoromethane	4.438	85	20786	5.47	ug/kg	83
6) chloromethane	4.714	50	33407	4.89	ug/kg	89
7) vinyl chloride	4.970	62	29607	4.87	ug/kg	96
8) bromomethane ...	5.495	96	19695	4.85	ug/kg	94
9) chloroethane	5.671	64	11552	4.62	ug/kg	71
10) ethyl ether	6.593	59	16689	5.40	ug/kg	96
11) acetonitrile	6.600	41	5165	6.00	ug/kg#	52
12) trichlorofluoromethane	6.337	101	34737	5.19	ug/kg	99
13) freon-113	7.146	101	16771	5.75	ug/kg	97
14) acrolein	6.364	56	23027	25.93	ug/kg	86
15) 1,1-dichloroethene	6.950	96	19908	4.76	ug/kg	94
17) Methyl Acetate	7.186	43	20779	4.86	ug/kg	88
18) methylene chloride	7.112	84	25054	5.87	ug/kg	85
19) methyl tert butyl ether	7.907	73	45873	5.40	ug/kg	100
20) acrylonitrile	7.092	53	7780	4.39	ug/kg	100
21) allyl chloride	7.206	41	41429	6.16	ug/kg	94
22) trans-1,2-dichloroethene	7.813	96	23282	5.55	ug/kg	99
23) iodomethane	7.004	142	38025	5.74	ug/kg	93
24) carbon disulfide	7.388	76	63561	6.33	ug/kg	99
25) propionitrile	8.244	54	2518m	4.14	ug/kg	
26) vinyl acetate	8.217	43	41557	5.87	ug/kg	96
27) chloroprene	8.446	53	36547	5.97	ug/kg	99
28) di-isopropyl ether	8.480	45	89433	5.49	ug/kg	99
29) methacrylonitrile	8.635	41	14846	5.65	ug/kg	94
30) 2-butanone	8.587	72	2144m	3.22	ug/kg	
31) 1,1-dichloroethane	8.069	63	39527	5.53	ug/kg	98
32) tert-butyl ethyl ether	8.891	59	55301	5.51	ug/kg	99
33) isobutyl alcohol	8.884	43	13032m	20.86	ug/kg	
34) 2,2-dichloropropane	8.951	77	24986	5.86	ug/kg	91
35) cis-1,2-dichloroethene	8.661	96	27360	5.51	ug/kg	84
36) ethyl acetate	8.884	43	17290	6.51	ug/kg	97
37) bromochloromethane	8.823	128	14056	5.67	ug/kg	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62066.D
Acq On : 11 Dec 2013 3:23 pm
Operator : krystend
Sample : IC2169-5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 12 08:42:07 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:19:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) chloroform	8.864	83	39561	5.74	ug/kg	89
40) Tetrahydrofuran	9.207	42	10219	6.71	ug/kg	92
41) 1,1,1-trichloroethane	9.625	97	32592	5.77	ug/kg	90
43) Cyclohexane	9.914	56	44302	5.93	ug/kg	95
44) carbon tetrachloride	10.002	117	32103	5.91	ug/kg	90
45) 1,1-dichloropropene	9.800	75	28553	5.71	ug/kg	97
46) benzene	10.029	78	88443	4.80	ug/kg	98
47) 1,2-dichloroethane	9.530	62	30833	6.10	ug/kg	96
48) tert-amyl methyl ether	10.143	73	43913	5.86	ug/kg	97
49) heptane	10.507	43	45590	5.75	ug/kg	96
50) trichloroethene	10.662	95	27007	5.15	ug/kg	97
51) 1,2-dichloropropane	10.622	63	25825	5.86	ug/kg	98
52) dibromomethane	10.602	93	14742	5.54	ug/kg	92
53) bromodichloromethane	10.709	83	30508	5.75	ug/kg	95
54) Methylcyclohexane	11.174	83	39732	5.78	ug/kg	99
55) 2-chloroethyl vinyl ether	11.093	63	6293	5.86	ug/kg#	48
56) methyl methacrylate	10.810	69	13626	5.47	ug/kg	89
57) 1,4-dioxane	10.817	88	454m	11.27	ug/kg	
58) cis-1,3-dichloropropene	11.329	75	35812	5.85	ug/kg	95
60) 4-methyl-2-pentanone	11.430	43	27793	5.32	ug/kg#	90
61) toluene	12.111	92	57996	5.84	ug/kg	98
62) trans-1,3-dichloropropene	11.753	75	28191	5.42	ug/kg	98
63) 1,1,2-trichloroethane	11.922	83	16899	5.68	ug/kg	92
64) ethyl methacrylate	12.131	69	24062	4.95	ug/kg	76
66) tetrachloroethene	12.858	166	28398	5.33	ug/kg	96
67) 1,3-dichloropropane	12.164	76	31436	5.60	ug/kg	99
68) dibromochloromethane	12.454	129	28394	5.65	ug/kg	94
69) 1,2-dibromoethane	12.710	107	22368	5.65	ug/kg	99
70) 2-hexanone	12.299	43	26846	6.06	ug/kg#	60
71) chlorobenzene	13.539	112	76521	5.70	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.458	131	26961	5.68	ug/kg	99
73) ethylbenzene	13.714	91	115696	5.98	ug/kg	96
74) m,p-xylene	13.896	106	96583	11.94	ug/kg	96
75) o-xylene	14.313	106	48261	5.81	ug/kg	92
76) styrene	14.239	104	77635	5.95	ug/kg	98
77) bromoform	14.071	173	18207	5.34	ug/kg	91
78) trans-1,4-dichloro-2-b...	14.461	53	9022	6.11	ug/kg	95
80) isopropylbenzene	14.670	105	127572	5.87	ug/kg	97
82) bromobenzene	14.967	156	33942	5.61	ug/kg	95
83) 1,1,2,2-tetrachloroethane	14.313	83	28834	5.46	ug/kg	97
84) 1,2,3-trichloropropane	14.461	75	28893	5.18	ug/kg	96
85) n-propylbenzene	15.122	91	139610	5.87	ug/kg	100
86) 2-chlorotoluene	15.243	91	85908	5.76	ug/kg	99
87) 4-chlorotoluene	15.317	91	86077	5.83	ug/kg	97
88) 1,3,5-trimethylbenzene	15.391	105	105752	5.88	ug/kg	98
89) tert-butylbenzene	15.701	91	58364	5.82	ug/kg	96
90) 1,2,4-trimethylbenzene	15.802	105	104829	5.85	ug/kg	96
91) sec-butylbenzene	15.923	105	146230	5.79	ug/kg	96
92) 1,3-dichlorobenzene	16.031	146	67633	5.55	ug/kg	97
93) p-isopropyltoluene	16.092	119	127213	5.77	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62066.D
Acq On : 11 Dec 2013 3:23 pm
Operator : krystend
Sample : IC2169-5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 12 08:42:07 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:19:12 2013
Response via : Initial Calibration

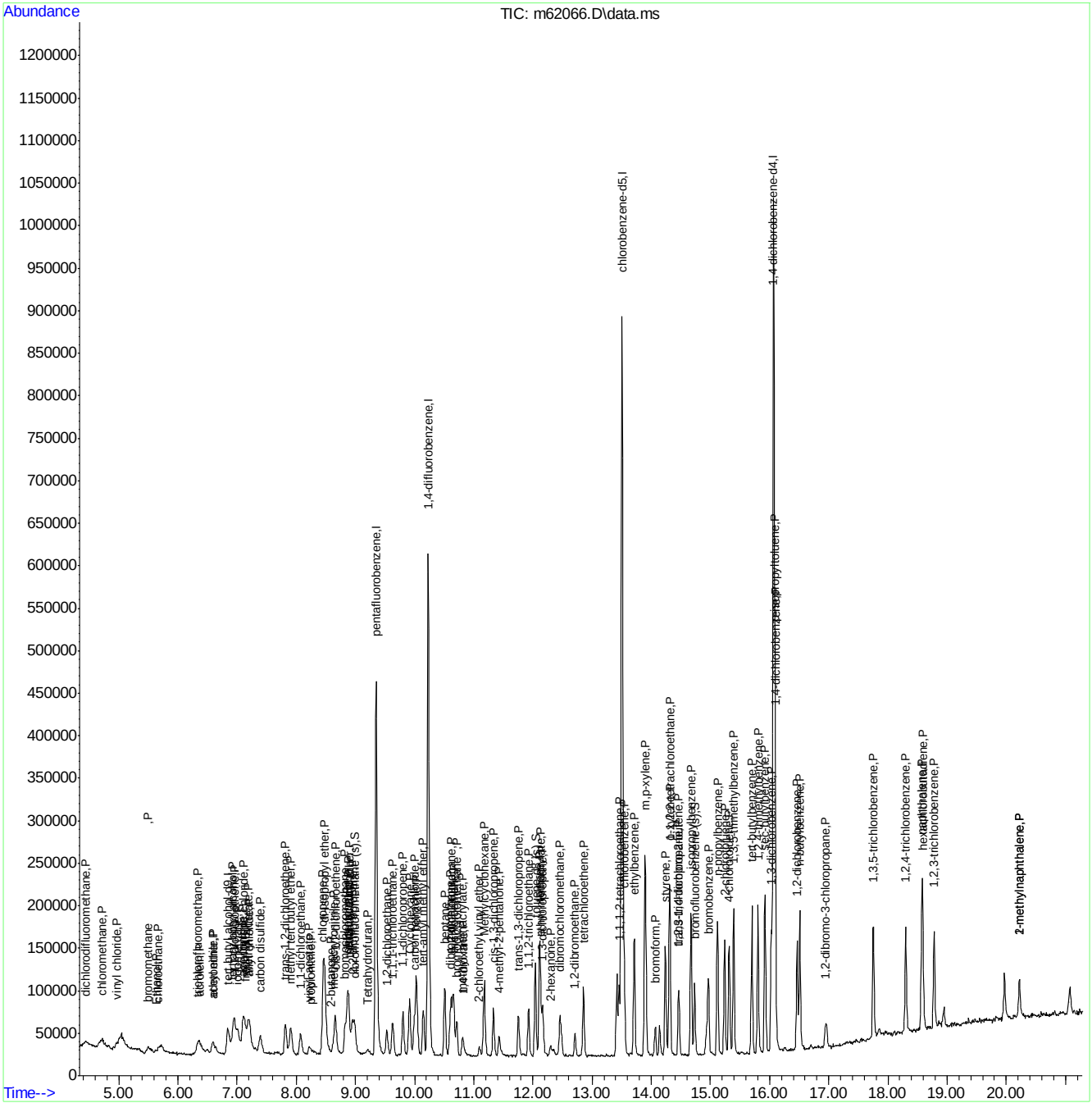
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	1,4-dichlorobenzene	16.098	146	70512	5.73	ug/kg	99
95)	1,2-dichlorobenzene	16.469	146	67322	5.59	ug/kg	98
96)	n-butylbenzene	16.509	91	106583	5.74	ug/kg	95
97)	1,2-dibromo-3-chloropr...	16.947	75	7051	6.70	ug/kg	97
98)	1,3,5-trichlorobenzene	17.756	180	50612	5.84	ug/kg	97
99)	1,2,4-trichlorobenzene	18.301	180	45953	5.47	ug/kg	95
100)	hexachlorobutadiene	18.591	225	22851	5.78	ug/kg	99
101)	naphthalene	18.577	128	123035	5.38	ug/kg	100
102)	1,2,3-trichlorobenzene	18.780	180	44866	5.53	ug/kg	98
103)	2-methylnaphthalene	20.221	142	29970	2.13	ug/kg	93
104)	1-methylnaphthalene	20.221	TIC	165182	3.07	ug/kg#	80

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62066.D
Acq On : 11 Dec 2013 3:23 pm
Operator : krystend
Sample : IC2169-5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

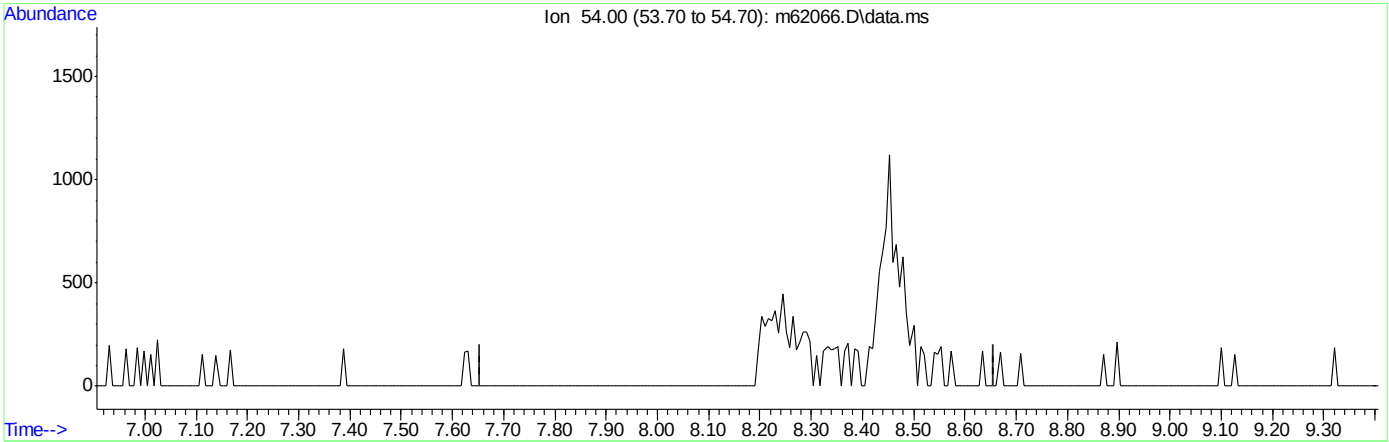
Quant Time: Dec 12 08:42:07 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:19:12 2013
Response via : Initial Calibration

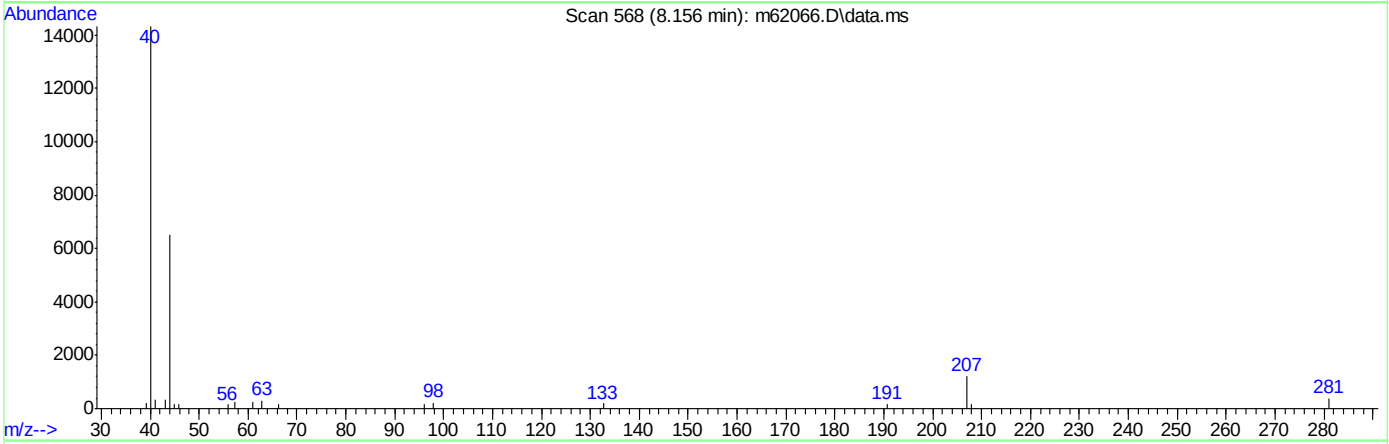


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62066.D
Acq On : 11 Dec 2013 3:23 pm
Operator : krystend
Sample : IC2169-5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 11 17:19:21 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:19:12 2013
Response via : Initial Calibration





TIC: m62066.D\data.ms

(25) propionitrile (P)

8.156min (-8.156) 0.00ug/kg

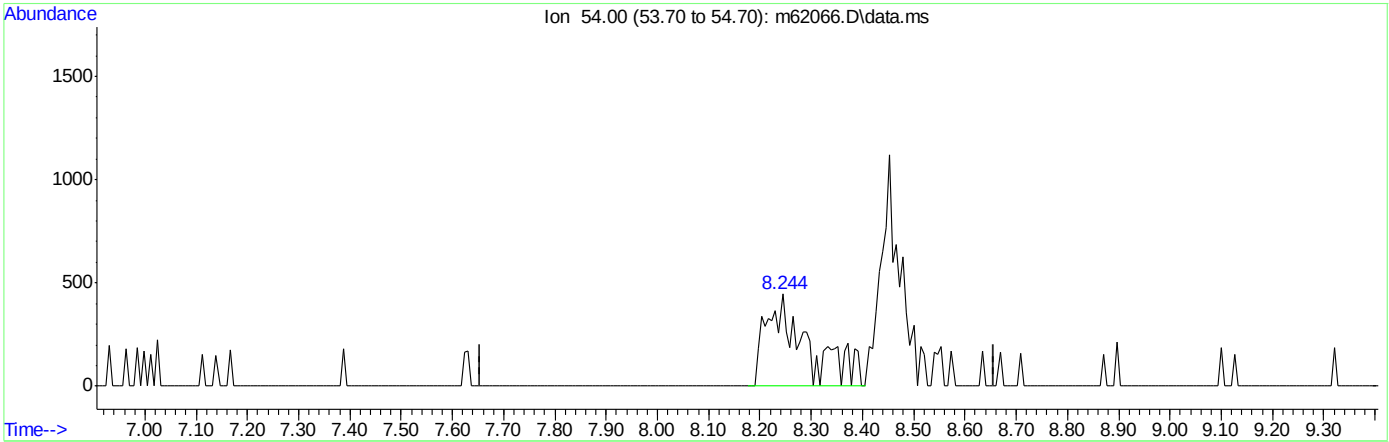
response 0

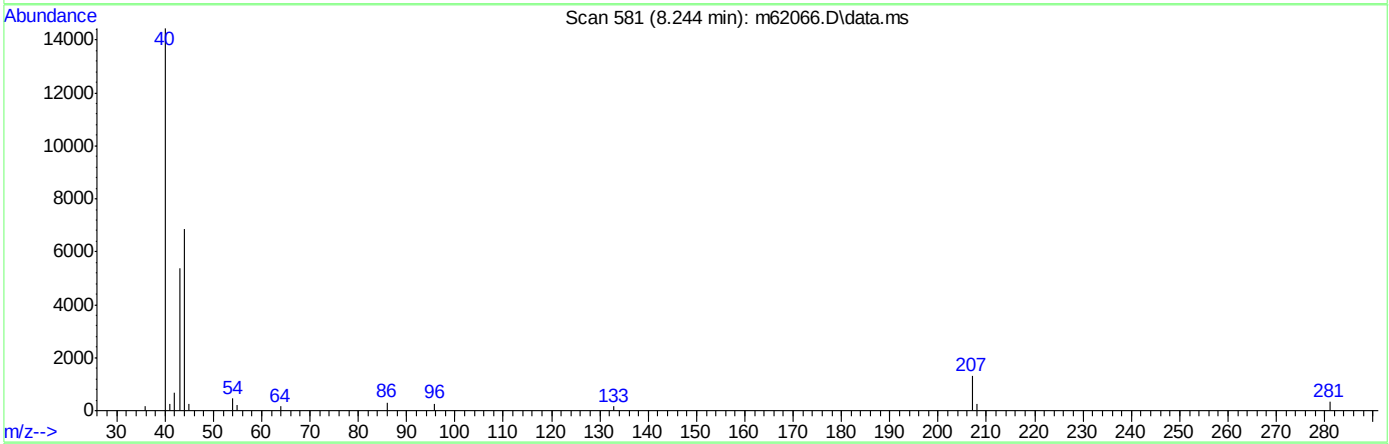
Ion	Exp%	Act%
54.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62066.D
Acq On : 11 Dec 2013 3:23 pm
Operator : krystend
Sample : IC2169-5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 11 17:19:21 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:19:12 2013
Response via : Initial Calibration





TIC: m62066.D\data.ms

(25) propionitrile (P)

8.244min (+0.088) 4.14ug/kg m

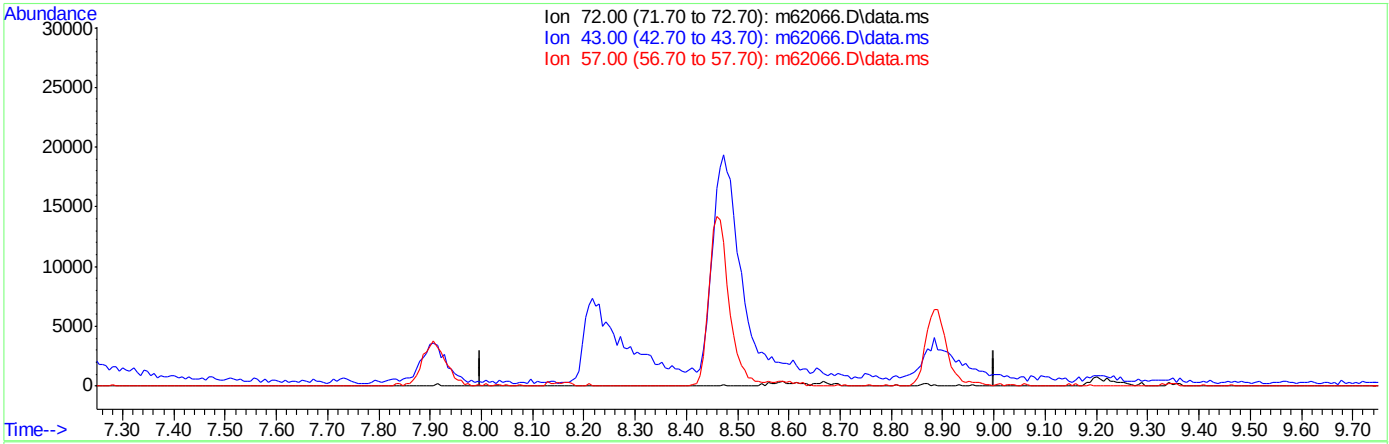
response 2518

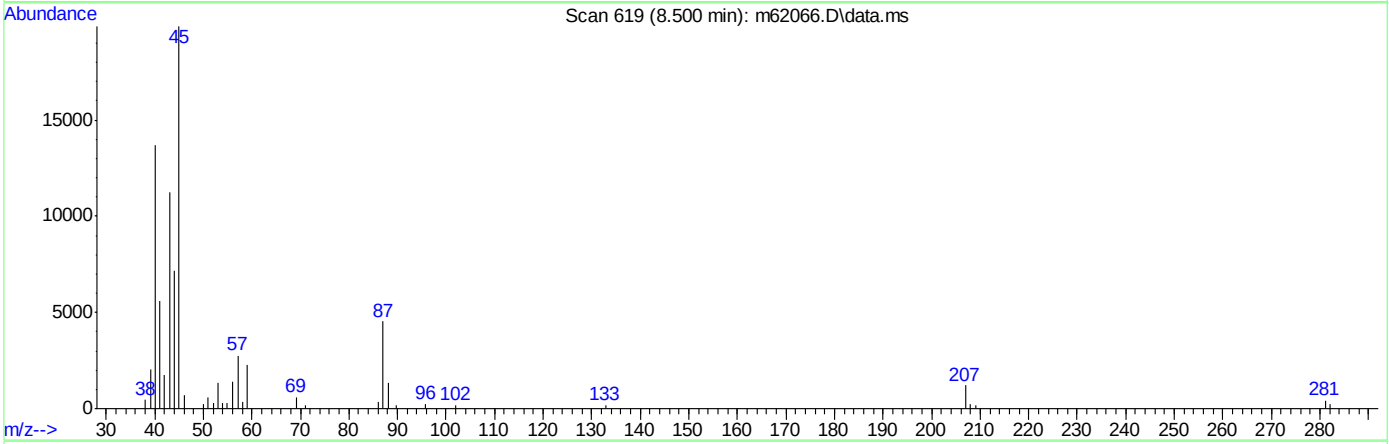
Ion	Exp%	Act%
54.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62066.D
Acq On : 11 Dec 2013 3:23 pm
Operator : krystend
Sample : IC2169-5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 11 17:19:21 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:19:12 2013
Response via : Initial Calibration





TIC: m62066.D\data.ms

(30) 2-butanone (P)

8.500min (-8.500) 0.00ug/kg

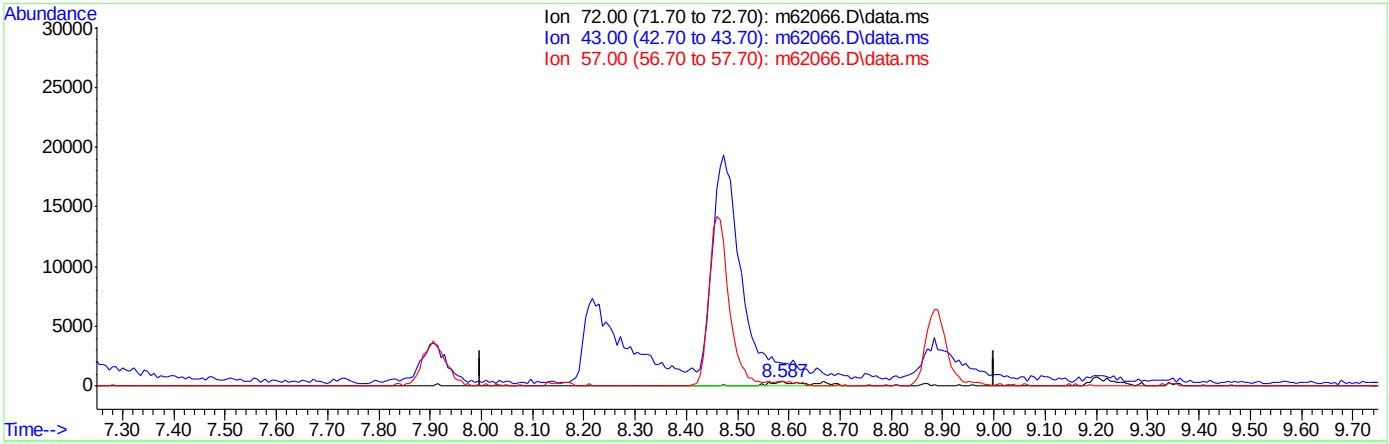
response 0

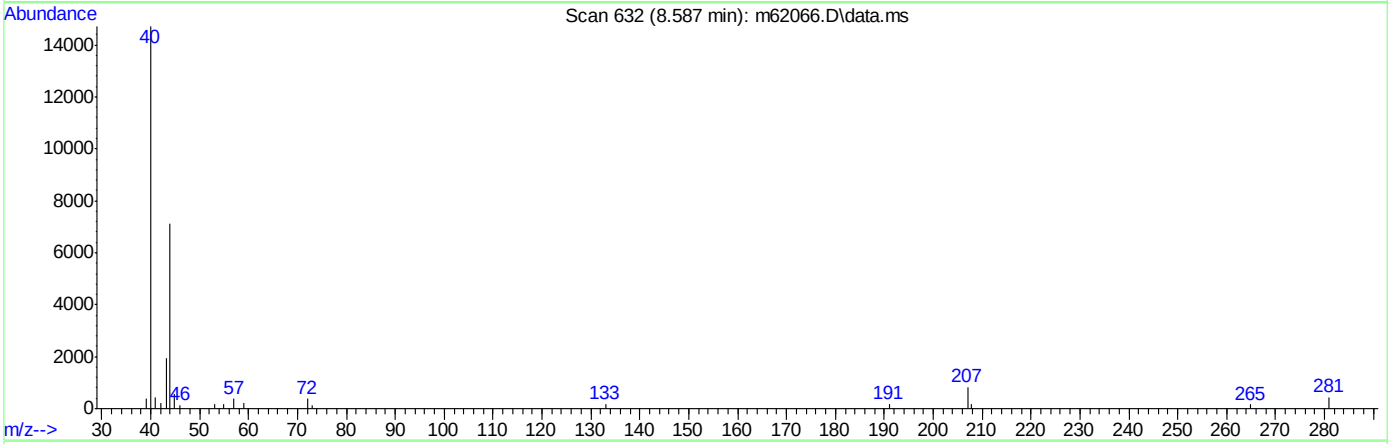
Ion	Exp%	Act%
72.00	100	0.00
43.00	1506.20	0.00#
57.00	189.40	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62066.D
Acq On : 11 Dec 2013 3:23 pm
Operator : krystend
Sample : IC2169-5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 11 17:19:21 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:19:12 2013
Response via : Initial Calibration





TIC: m62066.D\data.ms

(30) 2-butanone (P)

8.587min (+0.088) 3.22ug/kg m

response 2144

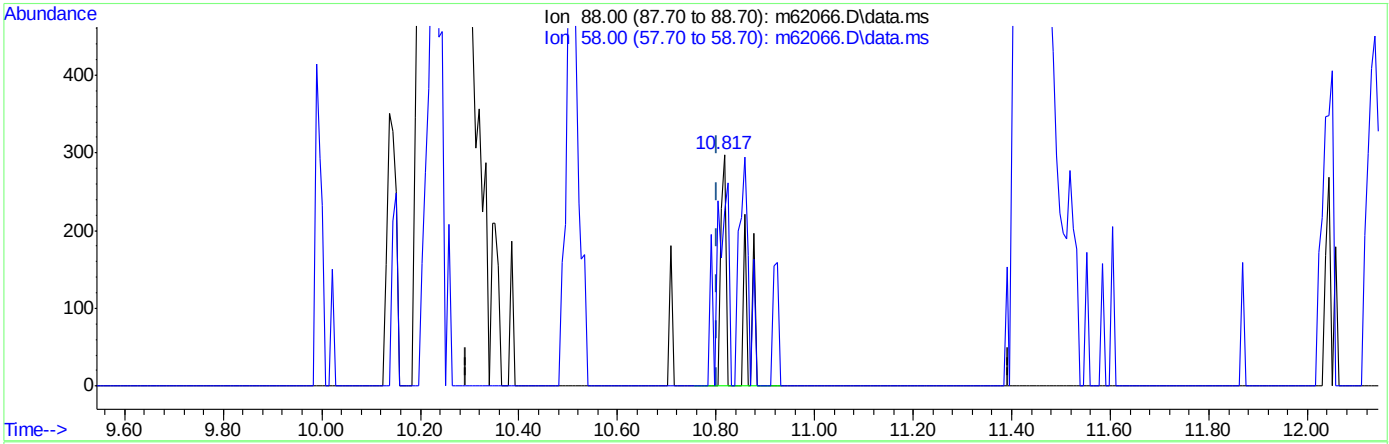
Ion	Exp%	Act%
72.00	100	100
43.00	1506.20	520.21#
57.00	189.40	98.40#
0.00	0.00	0.00

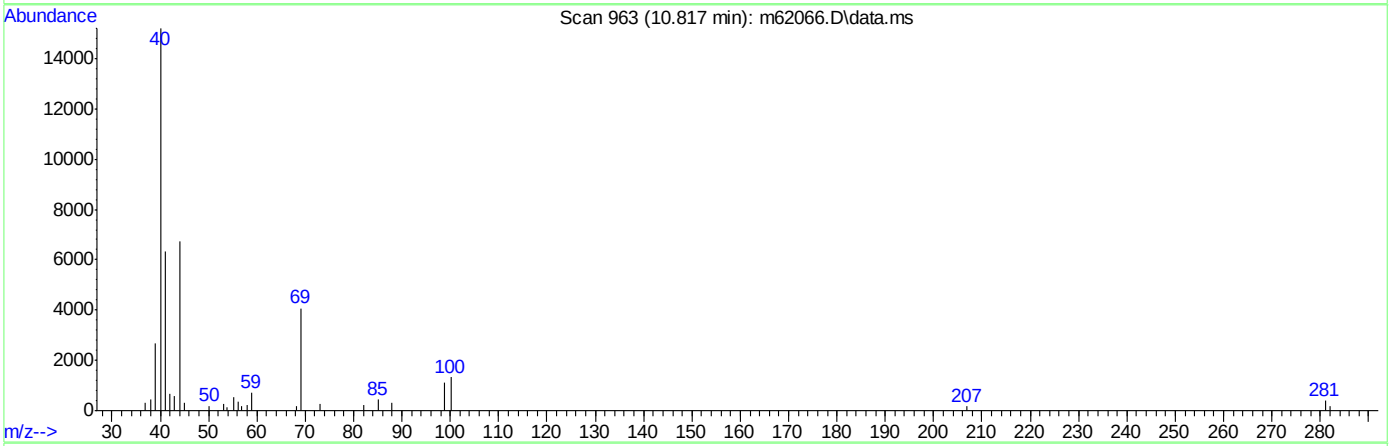
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62066.D
Acq On : 11 Dec 2013 3:23 pm
Operator : krystend
Sample : IC2169-5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 11 17:19:21 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:19:12 2013
Response via : Initial Calibration





TIC: m62066.D\data.ms

(57) 1,4-dioxane (P)

10.817min (+0.013) 9.45ug/kg m

response 381

Ion	Exp%	Act%
88.00	100	100
58.00	88.30	75.50
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/12/13 11:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62067.D
Acq On : 11 Dec 2013 3:52 pm
Operator : krystend
Sample : IC2169-10
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 12 08:42:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:05 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.836	65	146059	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	388009	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	623462	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	265305	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	314534	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	46879	11.42	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	22.84%#		
59) toluene-d8 (s)		12.037	98	168208	11.62	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	23.24%#		
81) bromofluorobenzene (s)		14.731	95	66150	11.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	22.00%#		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.924	59	54728	112.22	ug/kg	88
3) Ethanol		5.651	45	35655	930.08	ug/kg	99
5) dichlorodifluoromethane		4.418	85	33165	8.64	ug/kg	89
6) chloromethane		4.707	50	55771	8.40	ug/kg	89
7) vinyl chloride		4.963	62	56647	9.60	ug/kg	92
8) bromomethane	...	5.496	96	37667	9.56	ug/kg	91
9) chloroethane		5.657	64	28717m	12.19	ug/kg	
10) ethyl ether		6.580	59	32666	10.51	ug/kg	89
11) acetonitrile		6.600	41	9718	10.48	ug/kg	95
12) trichlorofluoromethane		6.338	101	64390	9.69	ug/kg	97
13) freon-113		7.139	101	35609	11.87	ug/kg	93
14) acrolein		6.351	56	45588	51.76	ug/kg	97
15) 1,1-dichloroethene		6.944	96	37109	9.20	ug/kg	97
16) acetone		6.553	58	8000	10.40	ug/kg#	83
17) Methyl Acetate		7.159	43	45353	10.93	ug/kg	87
18) methylene chloride		7.099	84	44133	9.97	ug/kg	97
19) methyl tert butyl ether		7.907	73	87855	10.28	ug/kg	94
20) acrylonitrile		7.045	53	17832	10.94	ug/kg	73
21) allyl chloride		7.193	41	82906	11.68	ug/kg	95
22) trans-1,2-dichloroethene		7.813	96	46800	10.98	ug/kg	99
23) iodomethane		7.011	142	76007	11.17	ug/kg	95
24) carbon disulfide		7.388	76	122430	11.43	ug/kg	98
25) propionitrile		8.177	54	5217m	9.59	ug/kg	
26) vinyl acetate		8.190	43	83792	11.42	ug/kg	93
27) chloroprene		8.439	53	72791	11.40	ug/kg	92
28) di-isopropyl ether		8.480	45	174492	10.59	ug/kg	97
29) methacrylonitrile		8.608	41	27485	10.23	ug/kg	93
30) 2-butanone		8.554	72	5545	10.34	ug/kg#	1
31) 1,1-dichloroethane		8.069	63	78104	10.78	ug/kg	97
32) tert-butyl ethyl ether		8.884	59	107669	10.59	ug/kg	99
33) isobutyl alcohol		8.891	43	26959m	42.54	ug/kg	
34) 2,2-dichloropropane		8.945	77	47134	10.67	ug/kg	97
35) cis-1,2-dichloroethene		8.655	96	51122	10.16	ug/kg	99
36) ethyl acetate		8.891	43	34913	12.19	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62067.D
Acq On : 11 Dec 2013 3:52 pm
Operator : krystend
Sample : IC2169-10
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 12 08:42:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:05 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.817	128	27670	10.91	ug/kg	96
38) chloroform	8.864	83	76599	10.81	ug/kg	98
40) Tetrahydrofuran	9.207	42	20083	11.49	ug/kg	99
41) 1,1,1-trichloroethane	9.632	97	63062	10.85	ug/kg	97
43) Cyclohexane	9.915	56	82897	10.61	ug/kg	96
44) carbon tetrachloride	9.995	117	64972	11.44	ug/kg	95
45) 1,1-dichloropropene	9.800	75	56623	10.97	ug/kg	99
46) benzene	10.029	78	176904	9.84	ug/kg	95
47) 1,2-dichloroethane	9.524	62	57278	10.72	ug/kg	98
48) tert-amyl methyl ether	10.144	73	82460	10.57	ug/kg	98
49) heptane	10.507	43	90115	10.99	ug/kg	94
50) trichloroethene	10.656	95	50840	9.77	ug/kg	94
51) 1,2-dichloropropane	10.622	63	50961	11.11	ug/kg	99
52) dibromomethane	10.602	93	29424	10.83	ug/kg	95
53) bromodichloromethane	10.710	83	59671	10.87	ug/kg	96
54) Methylcyclohexane	11.174	83	77868	10.92	ug/kg	92
55) 2-chloroethyl vinyl ether	11.094	63	12613	10.98	ug/kg#	48
56) methyl methacrylate	10.804	69	26759	10.58	ug/kg	97
57) 1,4-dioxane	10.817	88	1684m	61.55	ug/kg	
58) cis-1,3-dichloropropene	11.329	75	70652	11.09	ug/kg	98
60) 4-methyl-2-pentanone	11.424	43	52023	9.90	ug/kg	97
61) toluene	12.111	92	116340	11.26	ug/kg	97
62) trans-1,3-dichloropropene	11.754	75	57027	10.83	ug/kg	99
63) 1,1,2-trichloroethane	11.929	83	33297	10.87	ug/kg	96
64) ethyl methacrylate	12.124	69	50777	10.63	ug/kg	91
66) tetrachloroethene	12.852	166	56404	10.57	ug/kg	97
67) 1,3-dichloropropane	12.165	76	62365	10.84	ug/kg	98
68) dibromochloromethane	12.454	129	55504	10.73	ug/kg	95
69) 1,2-dibromoethane	12.710	107	44129	10.84	ug/kg	95
70) 2-hexanone	12.286	43	44131	9.43	ug/kg	97
71) chlorobenzene	13.539	112	154769	11.17	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.458	131	54616	11.16	ug/kg	94
73) ethylbenzene	13.707	91	226866	11.16	ug/kg	97
74) m,p-xylene	13.896	106	193654	22.81	ug/kg	96
75) o-xylene	14.307	106	98649	11.43	ug/kg	99
76) styrene	14.239	104	154472	11.29	ug/kg	94
77) bromoform	14.071	173	36677	10.67	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.462	53	17477	10.81	ug/kg	87
80) isopropylbenzene	14.671	105	256750	11.36	ug/kg	100
82) bromobenzene	14.967	156	66331	10.72	ug/kg	97
83) 1,1,2,2-tetrachloroethane	14.313	83	56623	10.58	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	58932	10.62	ug/kg	95
85) n-propylbenzene	15.115	91	281267	11.36	ug/kg	100
86) 2-chlorotoluene	15.236	91	173337	11.24	ug/kg	99
87) 4-chlorotoluene	15.317	91	171559	11.20	ug/kg	95
88) 1,3,5-trimethylbenzene	15.391	105	209184	11.18	ug/kg	95
89) tert-butylbenzene	15.701	91	115140	11.07	ug/kg	99
90) 1,2,4-trimethylbenzene	15.802	105	205588	11.05	ug/kg	100
91) sec-butylbenzene	15.923	105	288424	11.03	ug/kg	98
92) 1,3-dichlorobenzene	16.031	146	137932	11.10	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62067.D
Acq On : 11 Dec 2013 3:52 pm
Operator : krystend
Sample : IC2169-10
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 12 08:42:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:05 2013
Response via : Initial Calibration

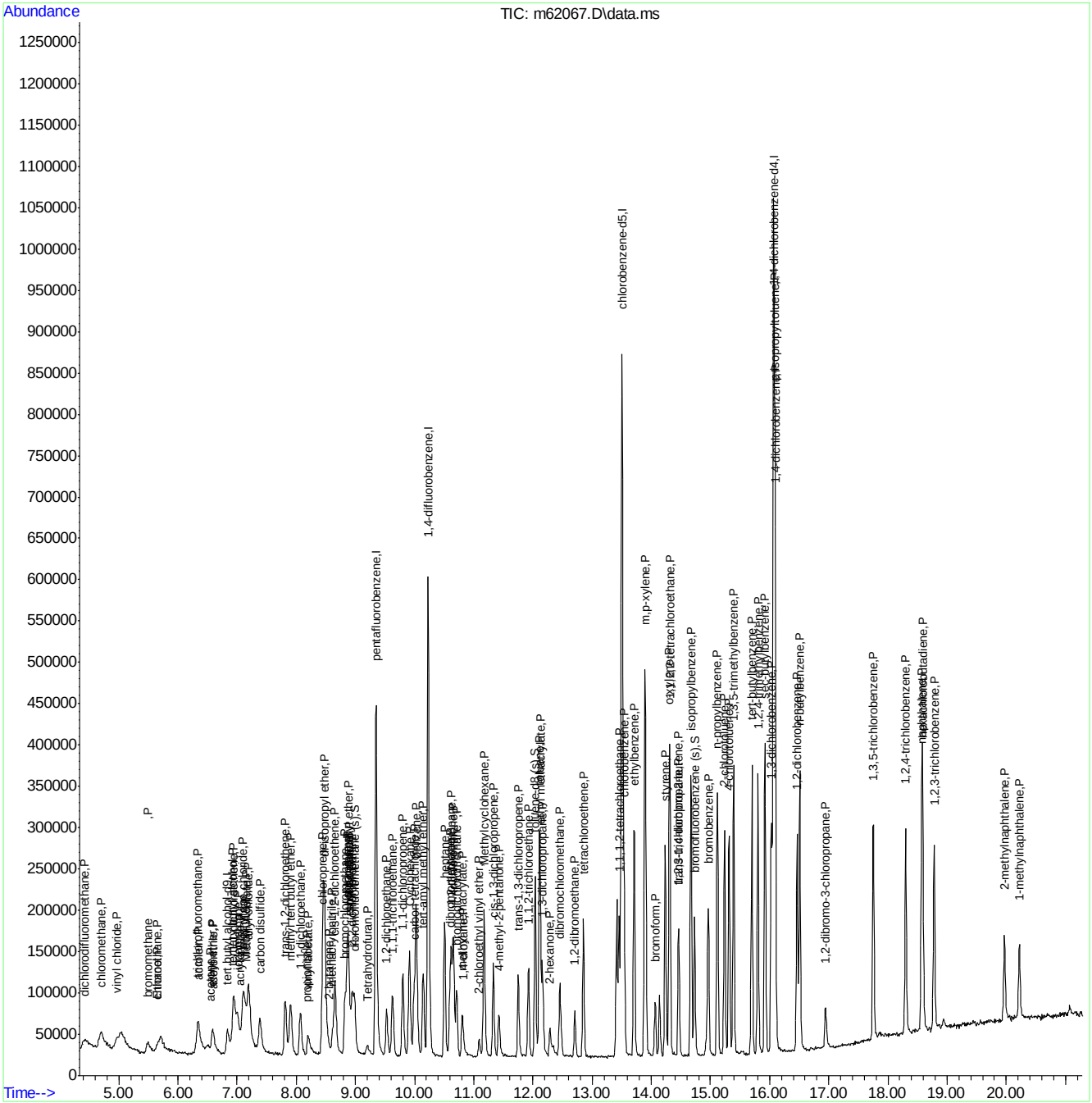
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	252175	11.06	ug/kg	98
94) 1,4-dichlorobenzene	16.099	146	141363	11.14	ug/kg	95
95) 1,2-dichlorobenzene	16.462	146	135269	10.99	ug/kg	98
96) n-butylbenzene	16.510	91	211472	11.03	ug/kg	98
97) 1,2-dibromo-3-chloropr...	16.947	75	11997	9.91	ug/kg	97
98) 1,3,5-trichlorobenzene	17.756	180	100671	11.19	ug/kg	98
99) 1,2,4-trichlorobenzene	18.301	180	94014	11.04	ug/kg	95
100) hexachlorobutadiene	18.591	225	43598	10.67	ug/kg	97
101) naphthalene	18.571	128	253142	10.97	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	88607	10.72	ug/kg	100
103) 2-methylnaphthalene	19.972	142	71603	5.45	ug/kg	97
104) 1-methylnaphthalene	20.221	TIC	236155	4.15	ug/kg	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62067.D
Acq On : 11 Dec 2013 3:52 pm
Operator : krystend
Sample : IC2169-10
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 12 08:42:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:05 2013
Response via : Initial Calibration

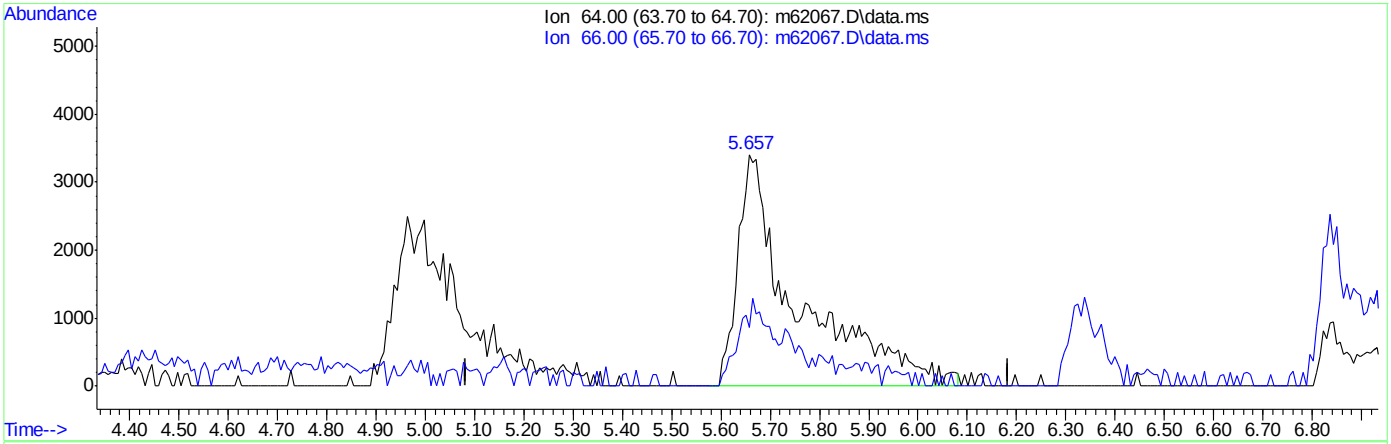


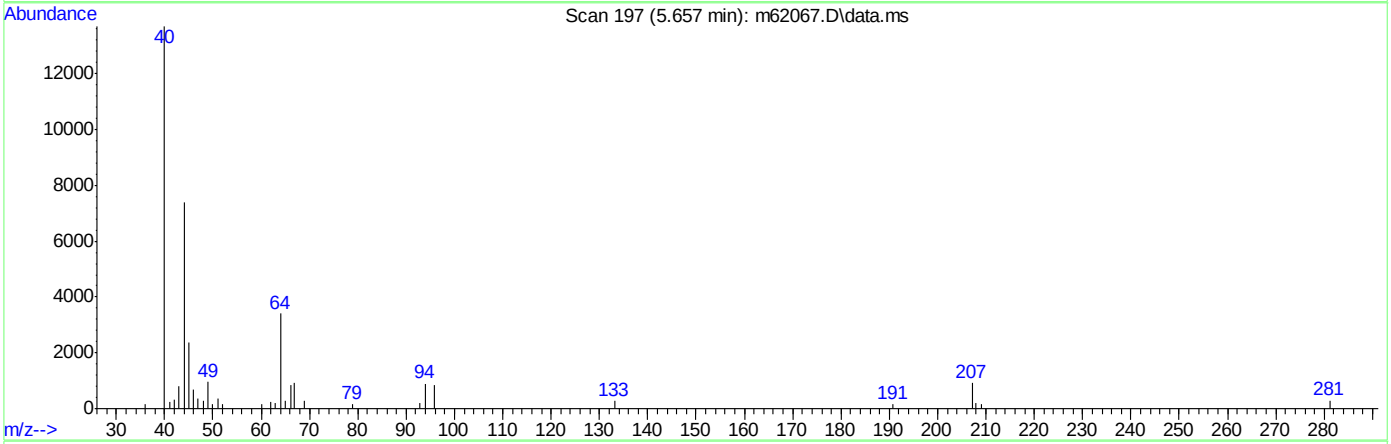
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62067.D
Acq On : 11 Dec 2013 3:52 pm
Operator : krystend
Sample : IC2169-10
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 11 17:20:15 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:05 2013
Response via : Initial Calibration





TIC: m62067.D\data.ms

(9) chloroethane (P)

5.657min (-0.007) 12.19ug/kg m

response 28717

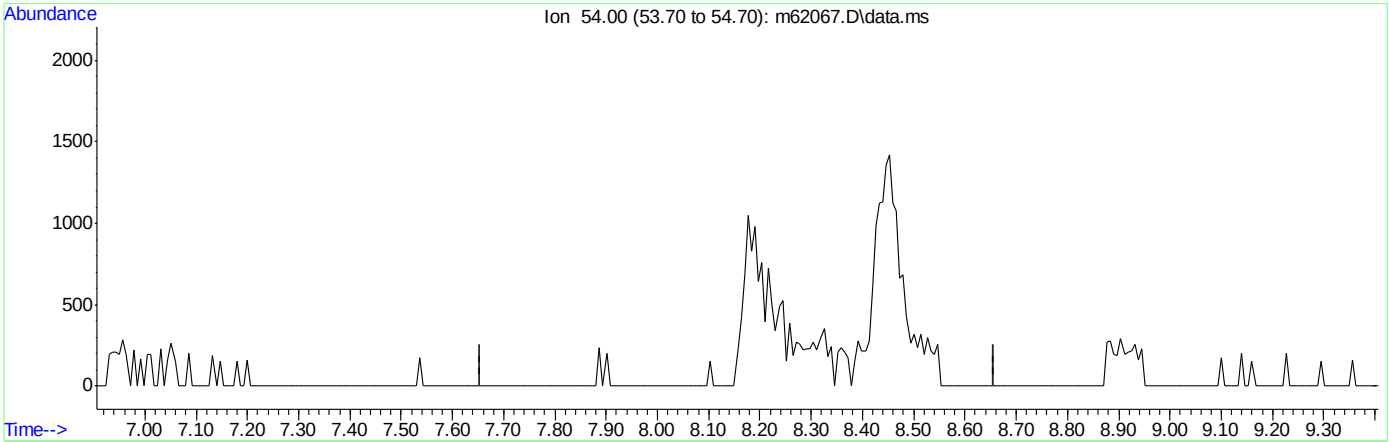
Ion	Exp%	Act%
64.00	100	100
66.00	28.60	25.23
0.00	0.00	0.00
0.00	0.00	0.00

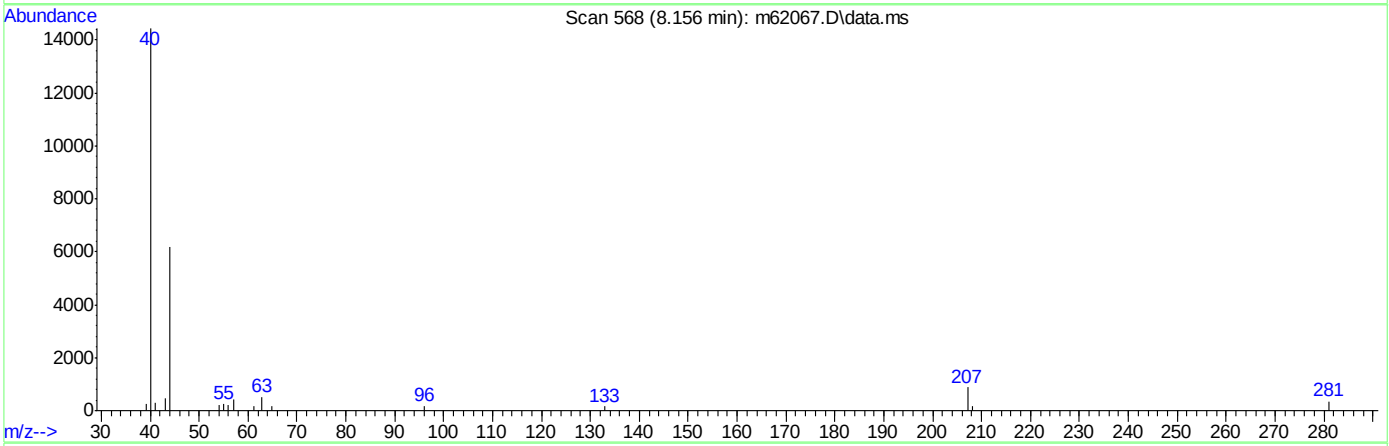
M62067.D edits: chloroethane
MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62067.D
Acq On : 11 Dec 2013 3:52 pm
Operator : krystend
Sample : IC2169-10
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 11 17:20:15 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:05 2013
Response via : Initial Calibration





TIC: m62067.D\data.ms

(25) propionitrile (P)

8.156min (-8.156) 0.00ug/kg

response 0

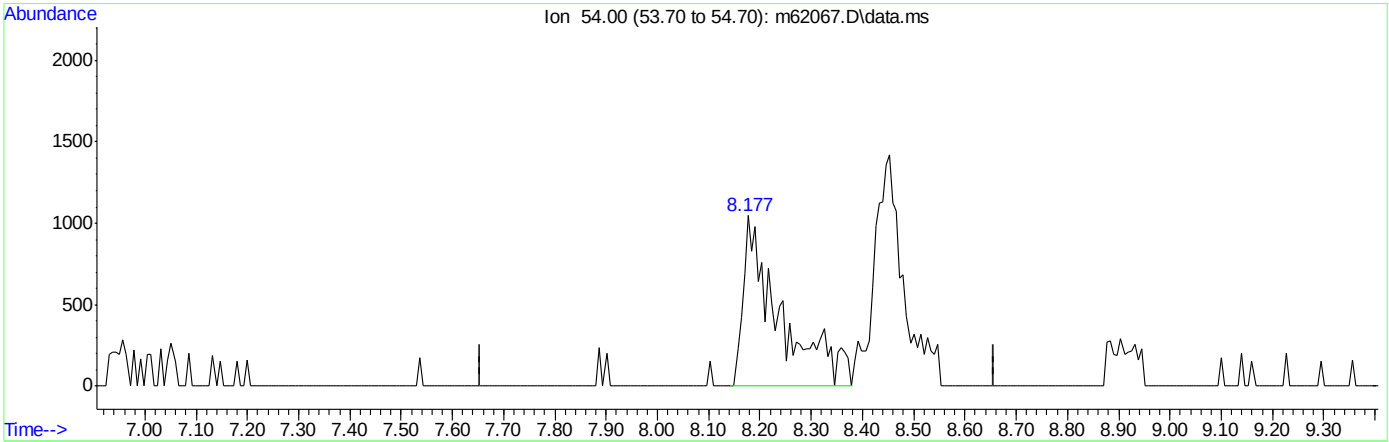
Ion	Exp%	Act%
54.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

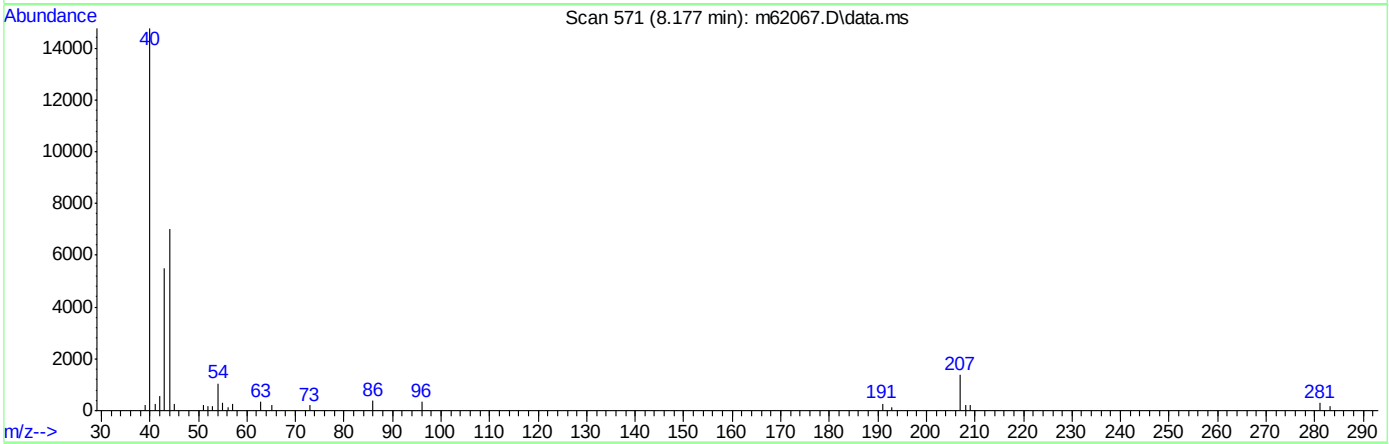
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62067.D
Acq On : 11 Dec 2013 3:52 pm
Operator : krystend
Sample : IC2169-10
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 11 17:20:15 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:05 2013
Response via : Initial Calibration





TIC: m62067.D\data.ms

(25) propionitrile (P)

8.177min (+0.020) 9.59ug/kg m

response 5217

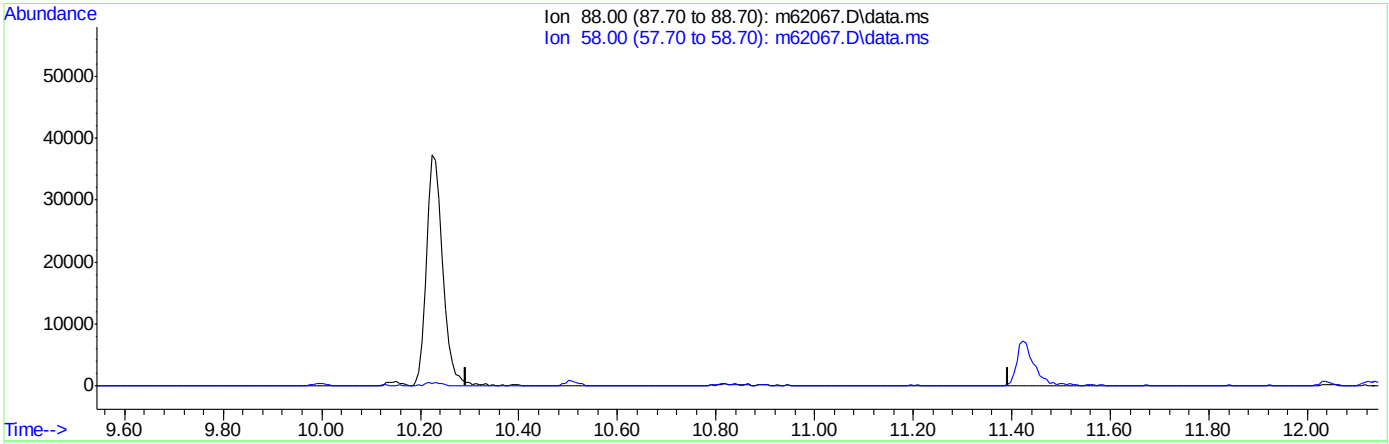
Ion	Exp%	Act%
54.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

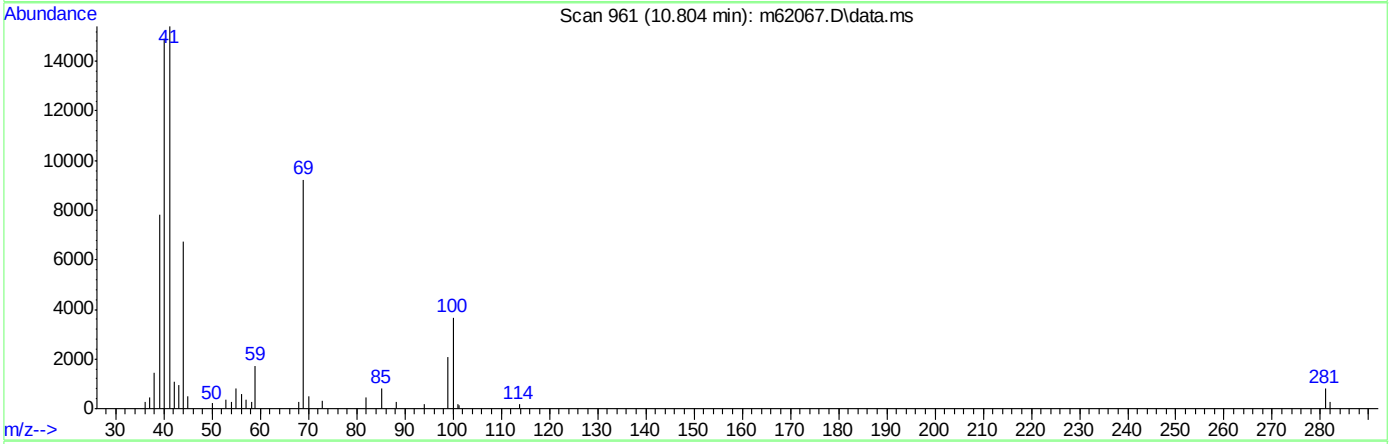
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62067.D
Acq On : 11 Dec 2013 3:52 pm
Operator : krystend
Sample : IC2169-10
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 11 17:20:15 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:05 2013
Response via : Initial Calibration





TIC: m62067.D\data.ms

(57) 1,4-dioxane (P)

10.804min (-10.804) 0.00ug/kg

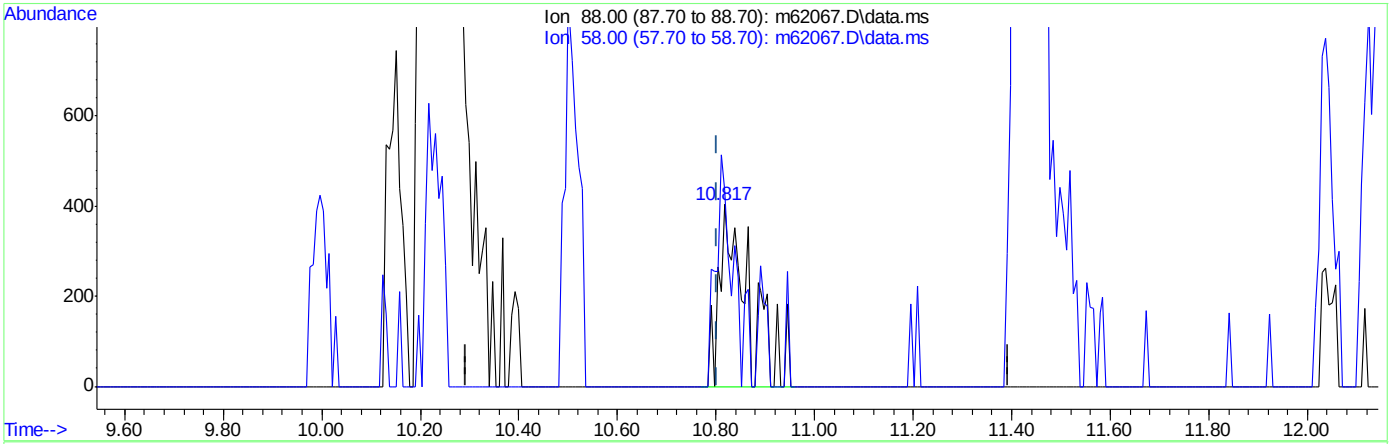
response 0

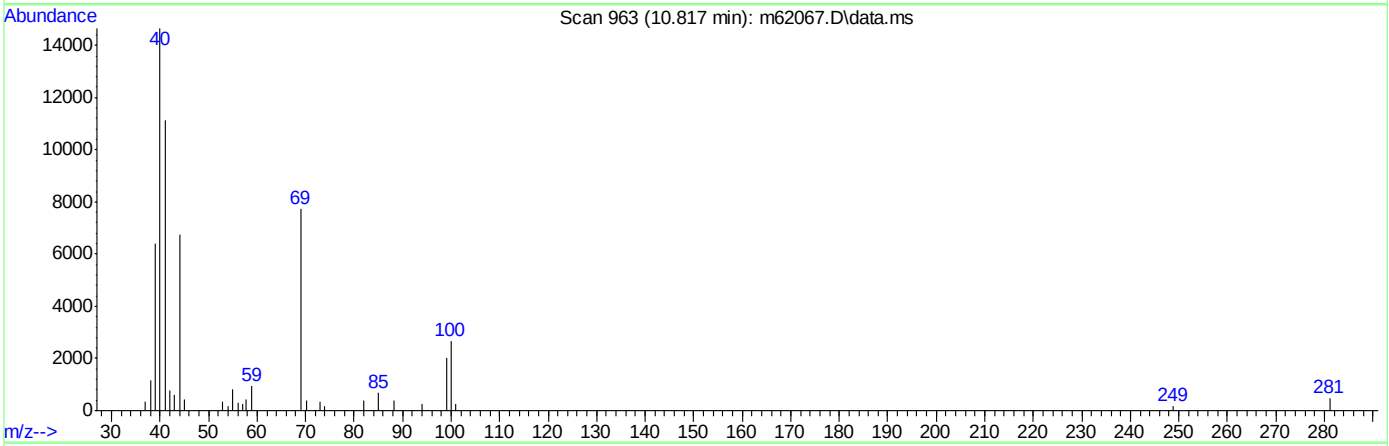
Ion	Exp%	Act%
88.00	100	0.00
58.00	88.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62067.D
Acq On : 11 Dec 2013 3:52 pm
Operator : krystend
Sample : IC2169-10
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 11 17:20:15 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:05 2013
Response via : Initial Calibration





TIC: m62067.D\data.ms

(57) 1,4-dioxane (P)

10.817min (+0.014) 61.55ug/kg m

response 1684

Ion	Exp%	Act%
88.00	100	100
58.00	88.30	107.44
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/12/13 11:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62068.D
Acq On : 11 Dec 2013 4:22 pm
Operator : krystend
Sample : IC2169-20
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 12 08:43:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:50 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	139800	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	393679	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	640930	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	274966	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.065	152	321888	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	90707	21.03	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 42.06%#			
59) toluene-d8 (s)		12.037	98	332884	21.50	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 43.00%#			
81) bromofluorobenzene (s)		14.731	95	126076	19.98	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 39.96%#			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	102313	212.69	ug/kg	96
3) Ethanol		5.644	45	78121	2166.94	ug/kg	95
5) dichlorodifluoromethane		4.438	85	67395	17.91	ug/kg	100
6) chloromethane		4.701	50	108382	16.75	ug/kg	95
7) vinyl chloride		4.977	62	105657	17.83	ug/kg	98
8) bromomethane	...	5.502	96	69360	17.55	ug/kg	81
9) chloroethane		5.664	64	55797m	21.75	ug/kg	
10) ethyl ether		6.587	59	65657	20.56	ug/kg	95
11) acetonitrile		6.587	41	20988	21.95	ug/kg	83
12) trichlorofluoromethane		6.338	101	133956	20.03	ug/kg	97
13) freon-113		7.146	101	73209	22.98	ug/kg	95
14) acrolein		6.338	56	89000	98.73	ug/kg	97
15) 1,1-dichloroethene		6.944	96	68817	17.16	ug/kg	99
16) acetone		6.560	58	13159	16.53	ug/kg#	81
17) Methyl Acetate		7.146	43	91303	21.20	ug/kg	99
18) methylene chloride		7.105	84	85336	19.02	ug/kg	96
19) methyl tert butyl ether		7.907	73	171873	19.68	ug/kg	98
20) acrylonitrile		7.038	53	35144	20.60	ug/kg	85
21) allyl chloride		7.200	41	162231	21.62	ug/kg	98
22) trans-1,2-dichloroethene		7.820	96	83304	18.81	ug/kg	98
23) iodomethane		7.011	142	150667	21.20	ug/kg	94
24) carbon disulfide		7.388	76	228002	20.25	ug/kg	95
25) propionitrile		8.177	54	12887	23.66	ug/kg	100
26) vinyl acetate		8.183	43	179306	23.26	ug/kg	97
27) chloroprene		8.446	53	144259	21.51	ug/kg	97
28) di-isopropyl ether		8.480	45	337147	19.87	ug/kg	98
29) methacrylonitrile		8.614	41	54712	19.96	ug/kg	95
30) 2-butanone		8.520	72	12562	22.83	ug/kg#	74
31) 1,1-dichloroethane		8.069	63	156196	20.84	ug/kg	97
32) tert-butyl ethyl ether		8.884	59	216076	20.64	ug/kg	97
33) isobutyl alcohol		8.877	43	51627m	78.30	ug/kg	
34) 2,2-dichloropropane		8.951	77	89427	19.62	ug/kg	100
35) cis-1,2-dichloroethene		8.662	96	99648	19.45	ug/kg	91
36) ethyl acetate		8.877	43	66145m	21.58	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62068.D
Acq On : 11 Dec 2013 4:22 pm
Operator : krystend
Sample : IC2169-20
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 12 08:43:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:50 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	53994	20.52	ug/kg	95
38) chloroform	8.864	83	149560	20.39	ug/kg	99
40) Tetrahydrofuran	9.194	42	38021	20.43	ug/kg	96
41) 1,1,1-trichloroethane	9.625	97	124341	20.64	ug/kg	96
43) Cyclohexane	9.915	56	161808	19.84	ug/kg	99
44) carbon tetrachloride	9.995	117	128995	21.33	ug/kg	100
45) 1,1-dichloropropene	9.800	75	112264	20.65	ug/kg	99
46) benzene	10.029	78	345965	18.78	ug/kg	100
47) 1,2-dichloroethane	9.524	62	109013	19.49	ug/kg	97
48) tert-amyl methyl ether	10.150	73	161507	19.85	ug/kg	97
49) heptane	10.507	43	181308	20.98	ug/kg	99
50) trichloroethene	10.656	95	101835	19.12	ug/kg	97
51) 1,2-dichloropropane	10.622	63	98718	20.36	ug/kg	100
52) dibromomethane	10.602	93	56132	19.69	ug/kg	90
53) bromodichloromethane	10.709	83	117108	20.31	ug/kg	98
54) Methylcyclohexane	11.181	83	150775	20.11	ug/kg	96
55) 2-chloroethyl vinyl ether	11.087	63	24602	20.17	ug/kg	97
56) methyl methacrylate	10.804	69	52114	19.75	ug/kg	99
57) 1,4-dioxane	10.817	88	4068m	134.30	ug/kg	
58) cis-1,3-dichloropropene	11.329	75	140345	20.86	ug/kg	98
60) 4-methyl-2-pentanone	11.423	43	105276	19.54	ug/kg	99
61) toluene	12.111	92	228735	20.88	ug/kg	99
62) trans-1,3-dichloropropene	11.754	75	112106	20.29	ug/kg	96
63) 1,1,2-trichloroethane	11.929	83	65261	20.28	ug/kg	94
64) ethyl methacrylate	12.124	69	102815	20.62	ug/kg	97
66) tetrachloroethene	12.858	166	110767	19.80	ug/kg	95
67) 1,3-dichloropropane	12.164	76	123079	20.21	ug/kg	99
68) dibromochloromethane	12.454	129	111469	20.42	ug/kg	99
69) 1,2-dibromoethane	12.710	107	85809	19.92	ug/kg	96
70) 2-hexanone	12.286	43	79897	16.71	ug/kg	99
71) chlorobenzene	13.539	112	303084	20.51	ug/kg	100
72) 1,1,1,2-tetrachloroethane	13.458	131	109408	20.96	ug/kg	95
73) ethylbenzene	13.707	91	444839	20.52	ug/kg	99
74) m,p-xylene	13.896	106	383681	42.12	ug/kg	97
75) o-xylene	14.307	106	191981	20.72	ug/kg	97
76) styrene	14.239	104	306354	20.93	ug/kg	97
77) bromoform	14.064	173	72632	20.05	ug/kg	95
78) trans-1,4-dichloro-2-b...	14.462	53	33716	19.59	ug/kg#	84
80) isopropylbenzene	14.670	105	504533	21.09	ug/kg	98
82) bromobenzene	14.967	156	129057	20.02	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.313	83	109084	19.63	ug/kg	97
84) 1,2,3-trichloropropane	14.462	75	117921	20.45	ug/kg	99
85) n-propylbenzene	15.115	91	551719	21.06	ug/kg	98
86) 2-chlorotoluene	15.236	91	335983	20.65	ug/kg	99
87) 4-chlorotoluene	15.317	91	333141	20.63	ug/kg	97
88) 1,3,5-trimethylbenzene	15.391	105	420809	21.34	ug/kg	96
89) tert-butylbenzene	15.701	91	227106	20.78	ug/kg	99
90) 1,2,4-trimethylbenzene	15.802	105	410368	21.00	ug/kg	98
91) sec-butylbenzene	15.923	105	573246	20.89	ug/kg	100
92) 1,3-dichlorobenzene	16.031	146	264001	20.21	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62068.D
Acq On : 11 Dec 2013 4:22 pm
Operator : krystend
Sample : IC2169-20
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 12 08:43:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:50 2013
Response via : Initial Calibration

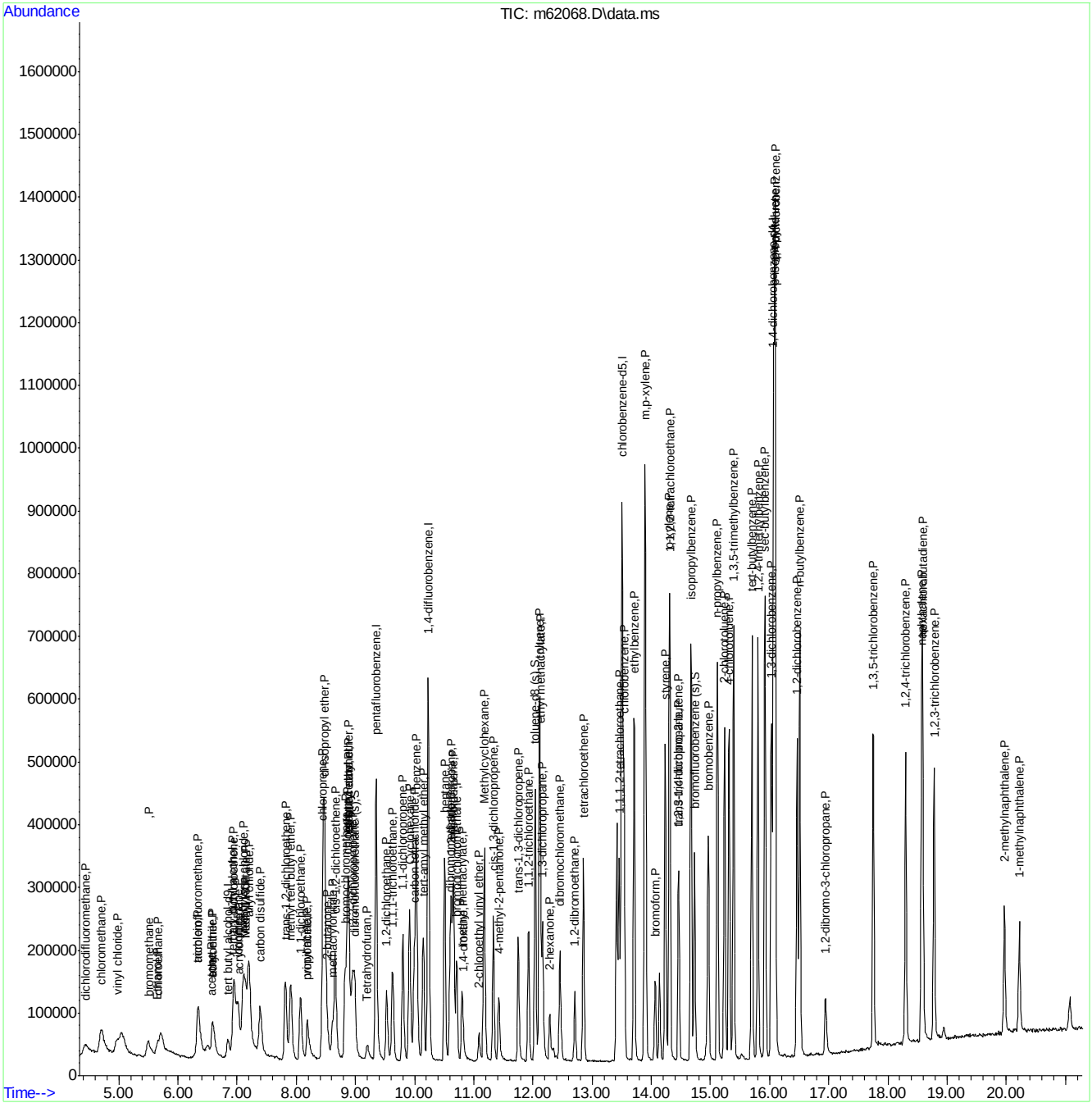
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	490572	20.48	ug/kg	98
94) 1,4-dichlorobenzene	16.099	146	269732	20.19	ug/kg	99
95) 1,2-dichlorobenzene	16.462	146	261359	20.25	ug/kg	100
96) n-butylbenzene	16.509	91	419602	20.85	ug/kg	97
97) 1,2-dibromo-3-chloropr...	16.947	75	23347	18.90	ug/kg	98
98) 1,3,5-trichlorobenzene	17.749	180	188493	19.88	ug/kg	99
99) 1,2,4-trichlorobenzene	18.301	180	179241	20.05	ug/kg	95
100) hexachlorobutadiene	18.591	225	85975	20.22	ug/kg	98
101) naphthalene	18.571	128	483717	20.00	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	172234	20.00	ug/kg	95
103) 2-methylnaphthalene	19.972	142	141421	10.29	ug/kg	100
104) 1-methylnaphthalene	20.221	TIC	444315	7.96	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62068.D
Acq On : 11 Dec 2013 4:22 pm
Operator : krystend
Sample : IC2169-20
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

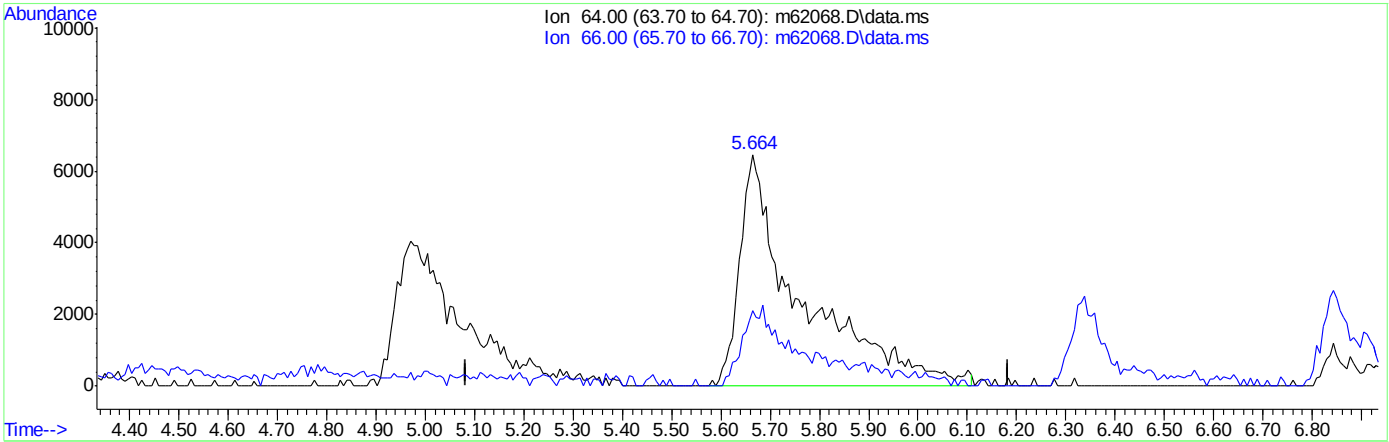
Quant Time: Dec 12 08:43:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:50 2013
Response via : Initial Calibration

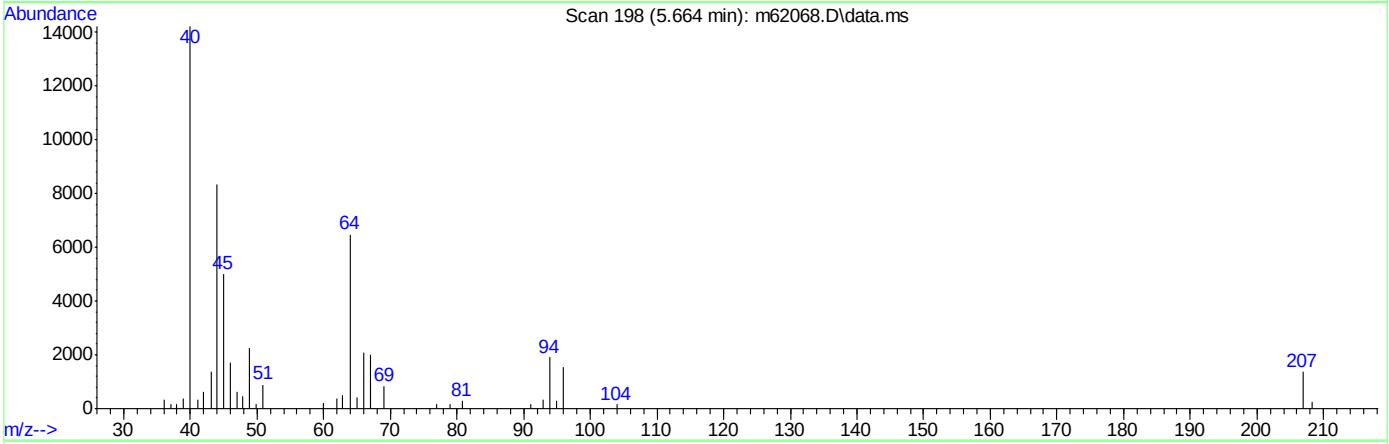


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62068.D
Acq On : 11 Dec 2013 4:22 pm
Operator : krystend
Sample : IC2169-20
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 11 17:20:58 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:50 2013
Response via : Initial Calibration





TIC: m62068.D\data.ms

(9) chloroethane (P)

5.664min (+0.000) 21.75ug/kg m

response 55797

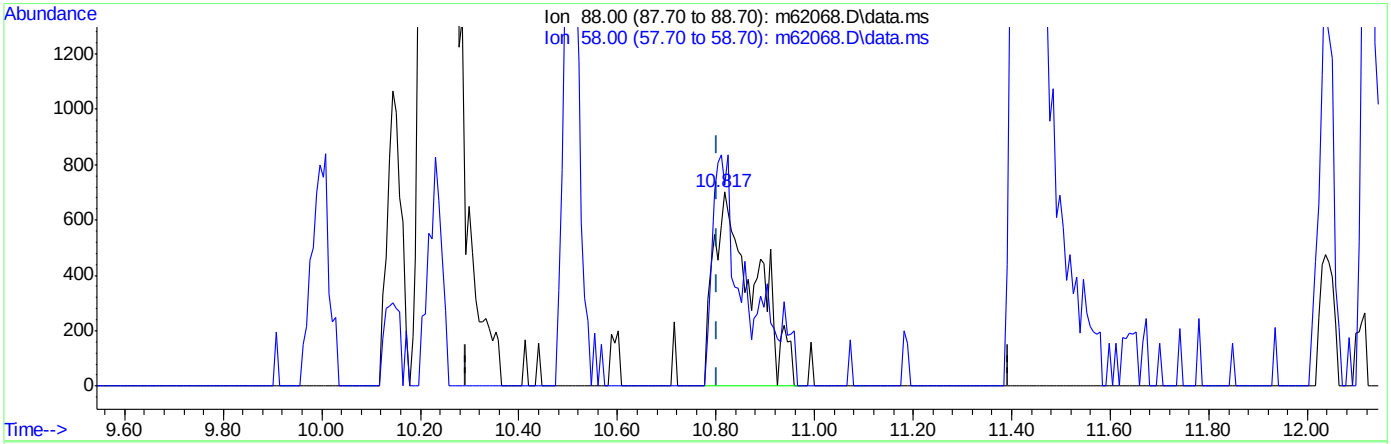
Ion	Exp%	Act%
64.00	100	100
66.00	28.60	32.43
0.00	0.00	0.00
0.00	0.00	0.00

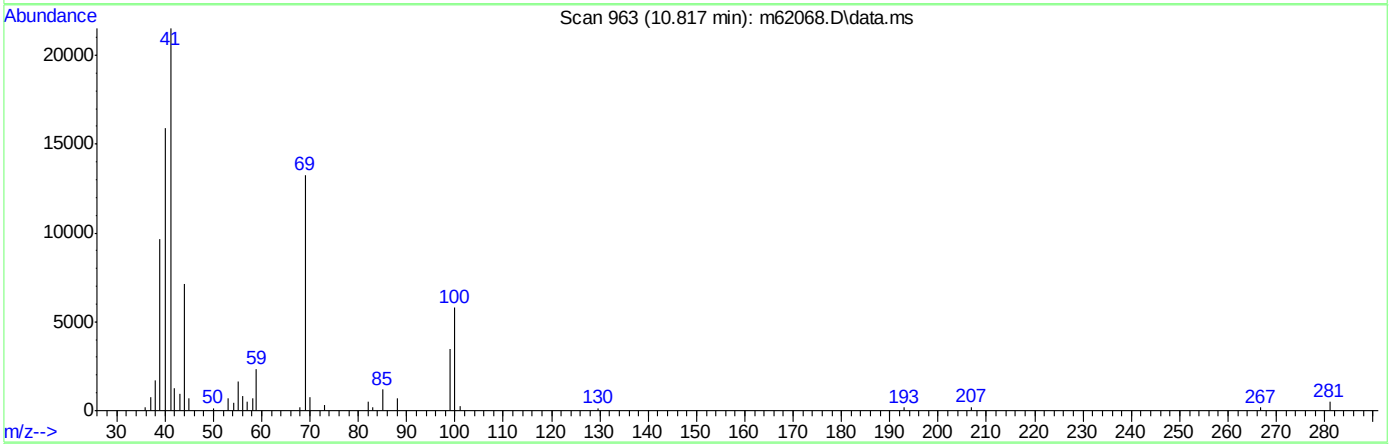
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62068.D
Acq On : 11 Dec 2013 4:22 pm
Operator : krystend
Sample : IC2169-20
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 11 17:20:58 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:50 2013
Response via : Initial Calibration





TIC: m62068.D\data.ms

(57) 1,4-dioxane (P)

10.817min (+0.014) 134.30ug/kg m

response 4068

Ion	Exp%	Act%
88.00	100	100
58.00	88.30	103.71
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26923

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/12/13 11:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 12 08:59:46 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	147482	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	396753	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	648306	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	297580	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	332488	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	248094	56.49	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.98%			
59) toluene-d8 (s)	12.037	98	832707m	52.39	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.78%			
81) bromofluorobenzene (s)	14.731	95	358789	55.06	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.12%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	601640	1171.28	ug/kg	98
3) Ethanol	5.664	45	390880m	10113.83	ug/kg	
5) dichlorodifluoromethane	4.438	85	389543m	105.11	ug/kg	
6) chloromethane	4.707	50	549052	87.04	ug/kg	99
7) vinyl chloride	4.970	62	537582	92.00	ug/kg	97
8) bromomethane ...	5.495	96	324707m	83.56	ug/kg	
9) chloroethane	5.671	64	267608m	101.33	ug/kg	
10) ethyl ether	6.580	59	344736	106.51	ug/kg	97
11) acetonitrile	6.580	41	100568	101.89	ug/kg	95
12) trichlorofluoromethane	6.338	101	660179	97.76	ug/kg	100
13) freon-113	7.146	101	343646	104.09	ug/kg	97
14) acrolein	6.324	56	462575	510.42	ug/kg	100
15) 1,1-dichloroethene	6.951	96	374478	95.21	ug/kg	97
16) acetone	6.472	58	78758	108.46	ug/kg	97
17) Methyl Acetate	7.126	43	595691	136.35	ug/kg	98
18) methylene chloride	7.105	84	410360m	91.64	ug/kg	
19) methyl tert butyl ether	7.907	73	901507	102.76	ug/kg	100
20) acrylonitrile	7.004	53	217793	126.00	ug/kg	91
21) allyl chloride	7.200	41	764258	99.46	ug/kg	100
22) trans-1,2-dichloroethene	7.813	96	414066	93.88	ug/kg	97
23) iodomethane	7.011	142	753916	104.01	ug/kg	93
24) carbon disulfide	7.388	76	1091207	95.94	ug/kg	100
25) propionitrile	8.150	54	76710	133.65	ug/kg	100
26) vinyl acetate	8.170	43	1064672	132.70	ug/kg	98
27) chloroprene	8.446	53	685524	99.92	ug/kg	99
28) di-isopropyl ether	8.480	45	1717802	100.61	ug/kg	94
29) methacrylonitrile	8.601	41	319745	115.79	ug/kg	95
30) 2-butanone	8.493	72	72635	125.46	ug/kg#	22
31) 1,1-dichloroethane	8.069	63	752362	98.78	ug/kg	99
32) tert-butyl ethyl ether	8.884	59	1101150	103.70	ug/kg	99
33) isobutyl alcohol	8.884	43	206853m	304.39	ug/kg	
34) 2,2-dichloropropane	8.951	77	430988	94.19	ug/kg	97
35) cis-1,2-dichloroethene	8.655	96	477299	92.87	ug/kg	99
36) ethyl acetate	8.884	43	280828	90.18	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 12 08:59:46 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	271843	101.97	ug/kg	94
38) chloroform	8.864	83	736084	99.19	ug/kg	97
40) Tetrahydrofuran	9.187	42	185174	98.19	ug/kg	97
41) 1,1,1-trichloroethane	9.632	97	577901	94.58	ug/kg	97
43) Cyclohexane	9.915	56	768278	93.29	ug/kg	99
44) carbon tetrachloride	9.995	117	616818	99.51	ug/kg	98
45) 1,1-dichloropropene	9.800	75	522502	94.42	ug/kg	97
46) benzene	10.029	78	1670823	90.58	ug/kg	99
47) 1,2-dichloroethane	9.524	62	562575	99.95	ug/kg	97
48) tert-amyl methyl ether	10.144	73	837317	101.90	ug/kg	98
49) heptane	10.507	43	860854	97.54	ug/kg	98
50) trichloroethene	10.656	95	485149	90.71	ug/kg	99
51) 1,2-dichloropropane	10.622	63	496443	100.88	ug/kg	100
52) dibromomethane	10.595	93	299214	104.11	ug/kg	97
53) bromodichloromethane	10.709	83	601265	102.78	ug/kg	99
54) Methylcyclohexane	11.181	83	734518	96.74	ug/kg	97
55) 2-chloroethyl vinyl ether	11.080	63	140433	113.60	ug/kg	99
56) methyl methacrylate	10.797	69	305584	114.79	ug/kg	97
57) 1,4-dioxane	10.810	88	23389	705.88	ug/kg	87
58) cis-1,3-dichloropropene	11.329	75	733299	106.84	ug/kg	99
60) 4-methyl-2-pentanone	11.417	43	603743	111.28	ug/kg	99
61) toluene	12.111	92	1131288	101.21	ug/kg	98
62) trans-1,3-dichloropropene	11.754	75	620495	110.67	ug/kg	95
63) 1,1,2-trichloroethane	11.929	83	342075	104.79	ug/kg	99
64) ethyl methacrylate	12.124	69	584840	115.24	ug/kg	97
66) tetrachloroethene	12.852	166	536449	88.75	ug/kg	99
67) 1,3-dichloropropane	12.165	76	653920	99.01	ug/kg	99
68) dibromochloromethane	12.454	129	603552	101.74	ug/kg	98
69) 1,2-dibromoethane	12.710	107	470925	101.10	ug/kg	98
70) 2-hexanone	12.279	43	495574	99.05	ug/kg	100
71) chlorobenzene	13.539	112	1519760	94.53	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.458	131	562112	98.57	ug/kg	97
73) ethylbenzene	13.707	91	2217639	94.02	ug/kg	99
74) m,p-xylene	13.896	106	1917411	192.47	ug/kg	99
75) o-xylene	14.307	106	981270	97.18	ug/kg	100
76) styrene	14.233	104	1531132	95.21	ug/kg	99
77) bromoform	14.064	173	420320	107.15	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.455	53	208122	112.31	ug/kg	97
80) isopropylbenzene	14.670	105	2534493	101.46	ug/kg	99
82) bromobenzene	14.967	156	674946	101.33	ug/kg	99
83) 1,1,2,2-tetrachloroethane	14.313	83	661660	115.68	ug/kg	96
84) 1,2,3-trichloropropane	14.462	75	704582	117.76	ug/kg	100
85) n-propylbenzene	15.115	91	2795837	102.23	ug/kg	100
86) 2-chlorotoluene	15.236	91	1707281	100.94	ug/kg	100
87) 4-chlorotoluene	15.310	91	1702577	101.42	ug/kg	98
88) 1,3,5-trimethylbenzene	15.391	105	2145975	103.97	ug/kg	99
89) tert-butylbenzene	15.701	91	1168341	102.68	ug/kg	96
90) 1,2,4-trimethylbenzene	15.802	105	2123149	104.13	ug/kg	100
91) sec-butylbenzene	15.923	105	2940961	102.83	ug/kg	100
92) 1,3-dichlorobenzene	16.031	146	1388969	102.70	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 12 08:59:46 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration

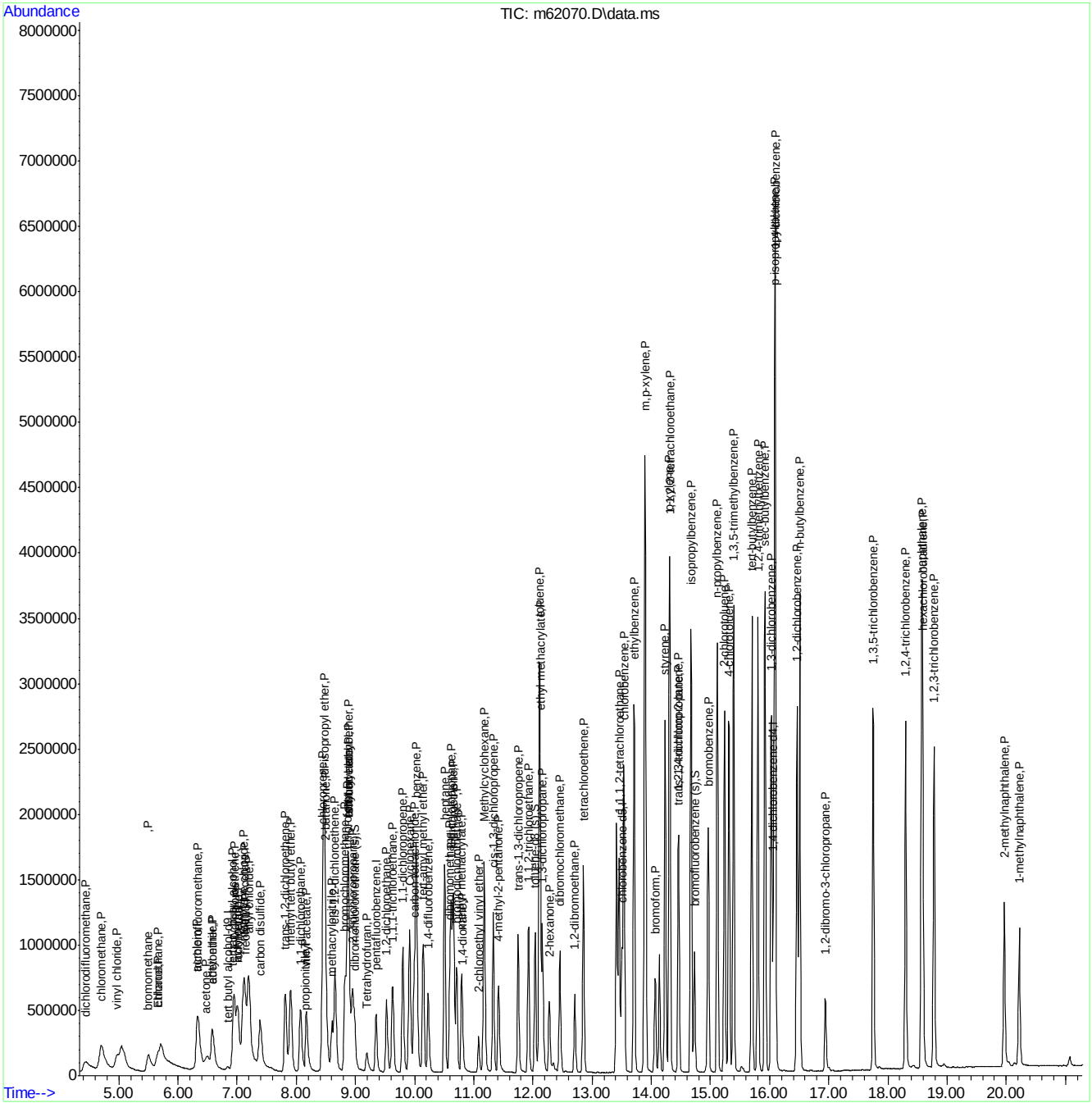
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	2560052	102.99	ug/kg	99
94) 1,4-dichlorobenzene	16.099	146	1406884	101.77	ug/kg	98
95) 1,2-dichlorobenzene	16.462	146	1420739	106.31	ug/kg	99
96) n-butylbenzene	16.509	91	2170388	103.54	ug/kg	99
97) 1,2-dibromo-3-chloropr...	16.941	75	140424	111.59	ug/kg	96
98) 1,3,5-trichlorobenzene	17.749	180	1047082	107.04	ug/kg	99
99) 1,2,4-trichlorobenzene	18.301	180	1015464	109.89	ug/kg	98
100) hexachlorobutadiene	18.591	225	462223	104.99	ug/kg	99
101) naphthalene	18.571	128	2919583	116.87	ug/kg	100
102) 1,2,3-trichlorobenzene	18.780	180	997229	112.10	ug/kg	97
103) 2-methylnaphthalene	19.965	142	853005	59.72	ug/kg	99
104) 1-methylnaphthalene	20.221	TIC	2313215	41.83	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

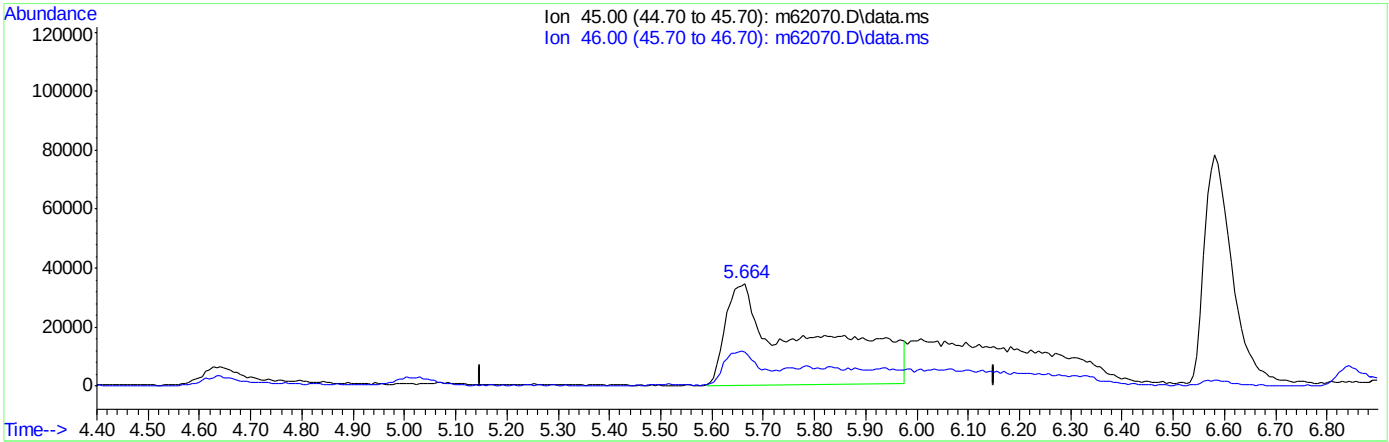
Quant Time: Dec 12 08:59:46 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration

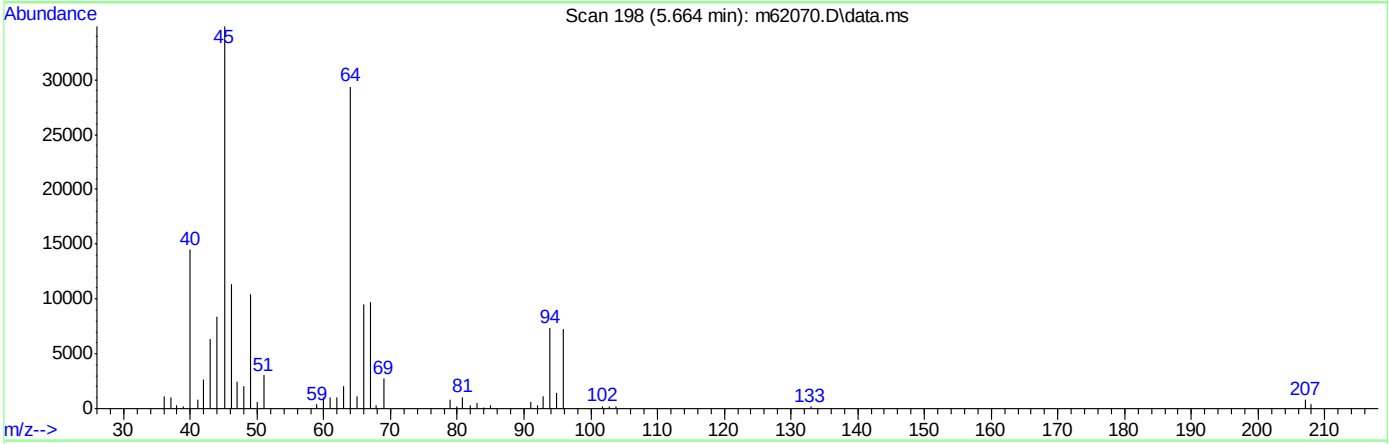


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 11 17:47:41 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration





TIC: m62070.D\data.ms

(3) Ethanol (P)

5.664min (+0.014) 10113.83ug/kg m

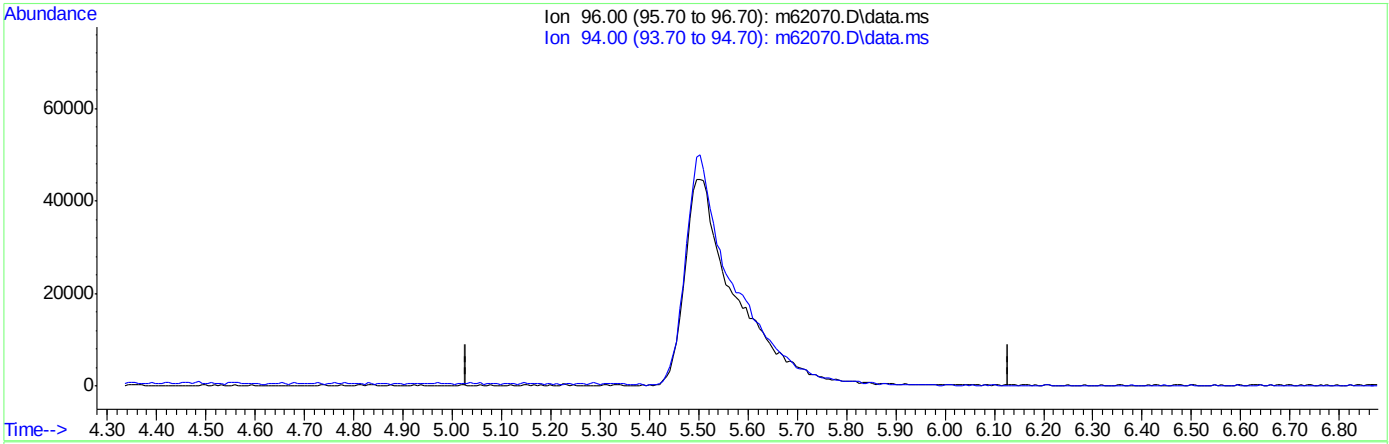
response 390880

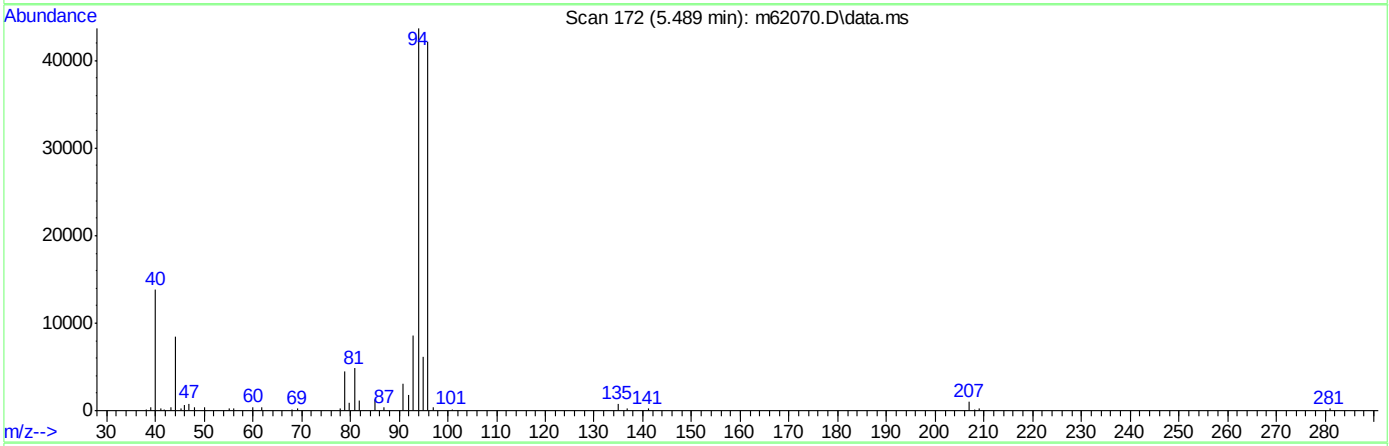
Ion	Exp%	Act%
45.00	100	100
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 11 17:47:41 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration





TIC: m62070.D\data.ms

(8) bromomethane (P)

5.489min (-5.489) 0.00ug/kg

response 0

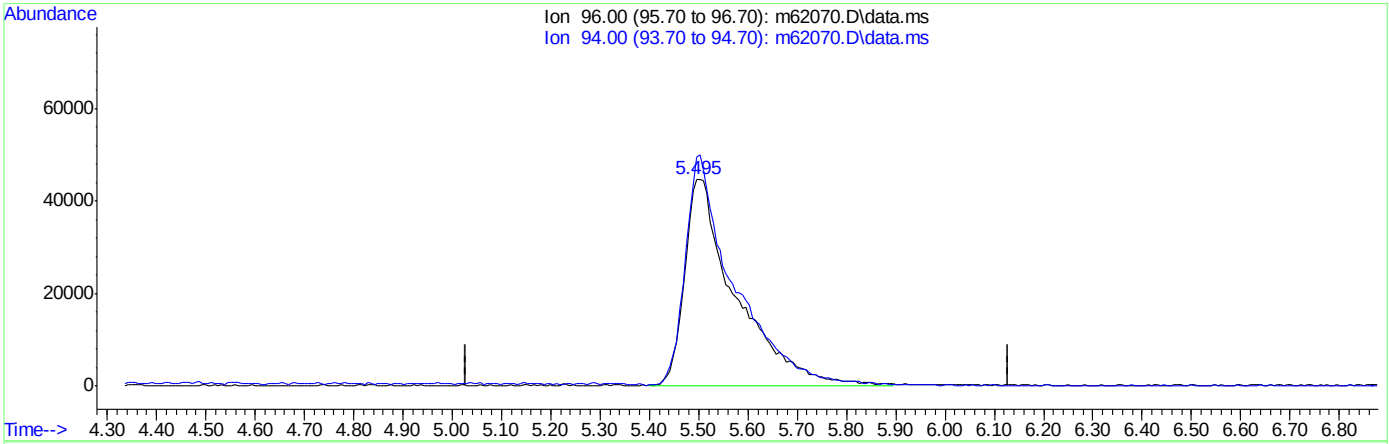
Ion	Exp%	Act%
96.00	100	0.00
94.00	109.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

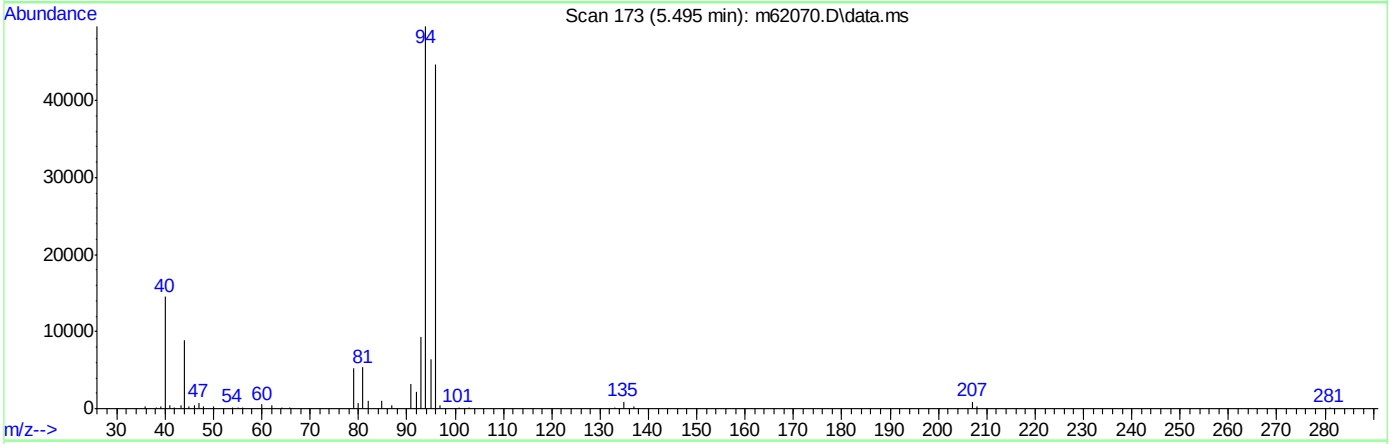
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 11 17:47:41 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration





TIC: m62070.D\data.ms

(8) bromomethane (P)

5.495min (+0.006) 83.56ug/kg m

response 324707

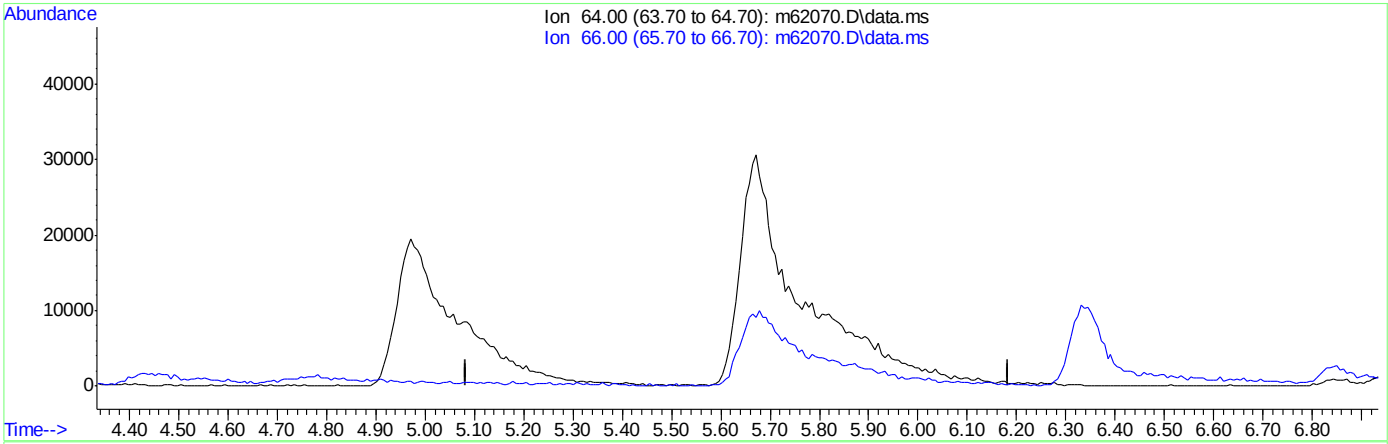
Ion	Exp%	Act%
96.00	100	100
94.00	109.30	110.92
0.00	0.00	0.00
0.00	0.00	0.00

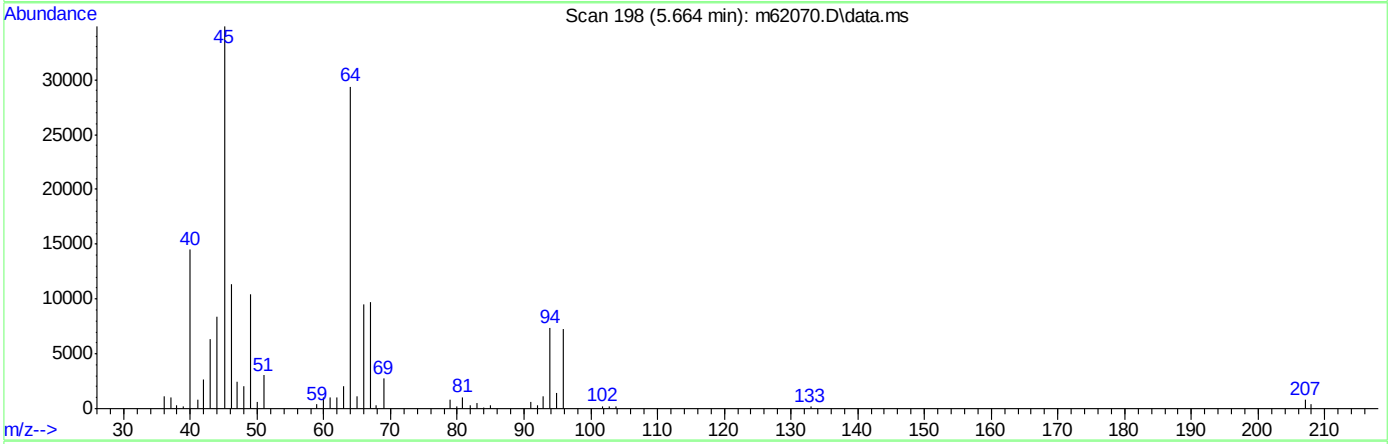
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 11 17:47:41 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration





TIC: m62070.D\data.ms

(9) chloroethane (P)

5.664min (-5.664) 0.00ug/kg

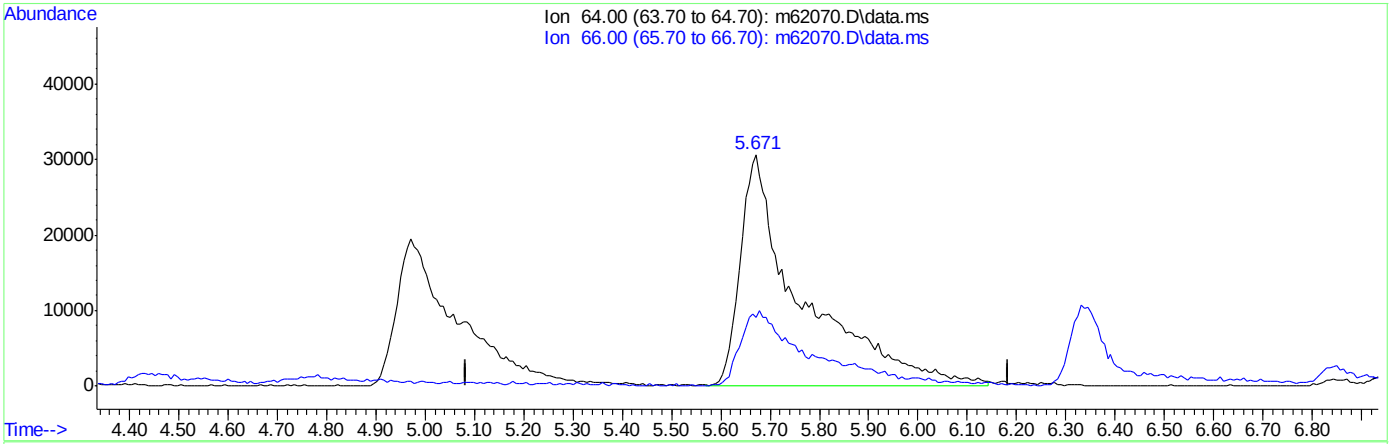
response 0

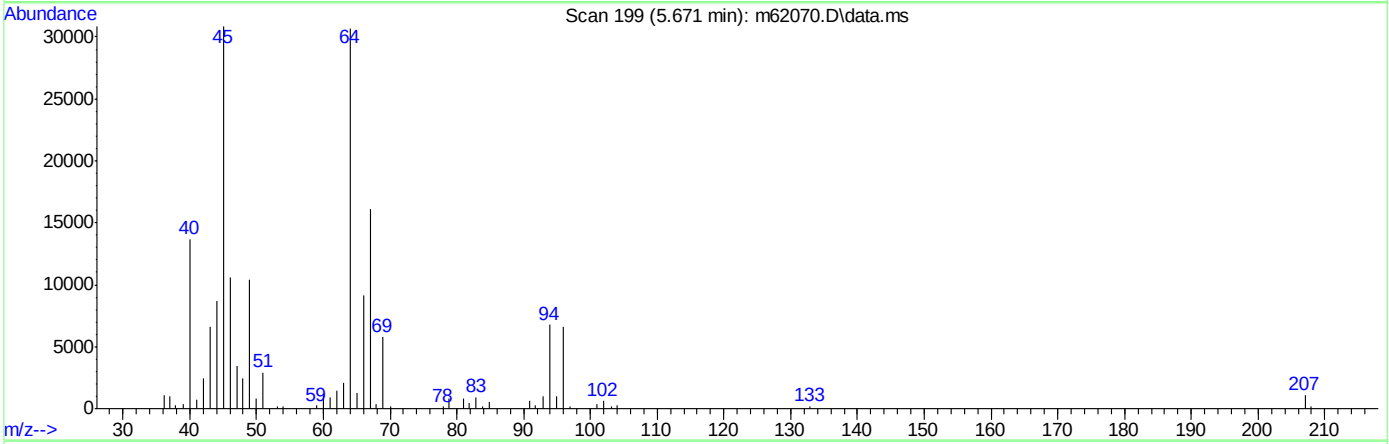
Ion	Exp%	Act%
64.00	100	0.00
66.00	28.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 11 17:47:41 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration





TIC: m62070.D\data.ms

(9) chloroethane (P)

5.671min (+0.007) 101.33ug/kg m

response 267608

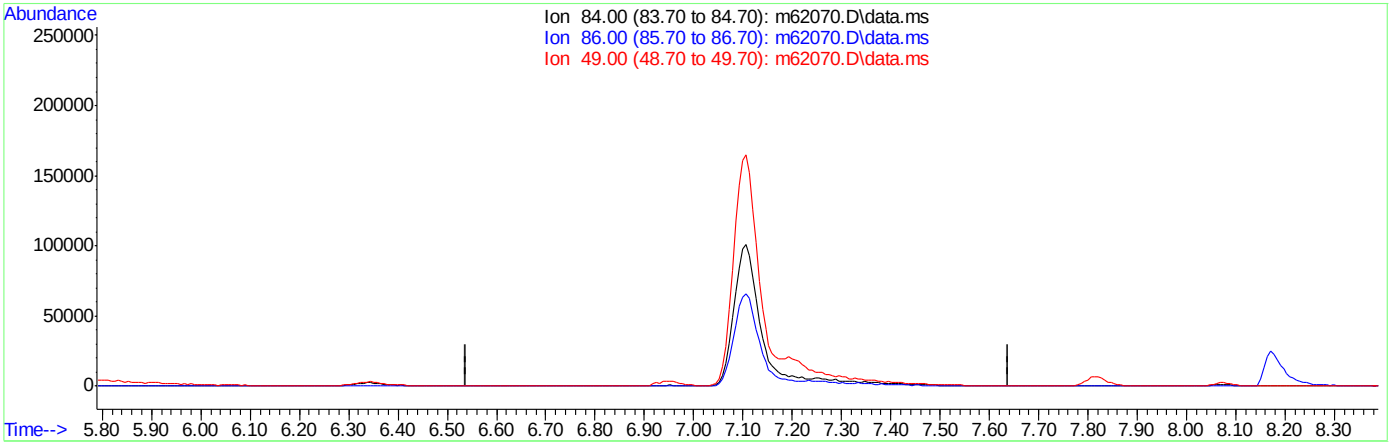
Ion	Exp%	Act%
64.00	100	100
66.00	28.60	29.84
0.00	0.00	0.00
0.00	0.00	0.00

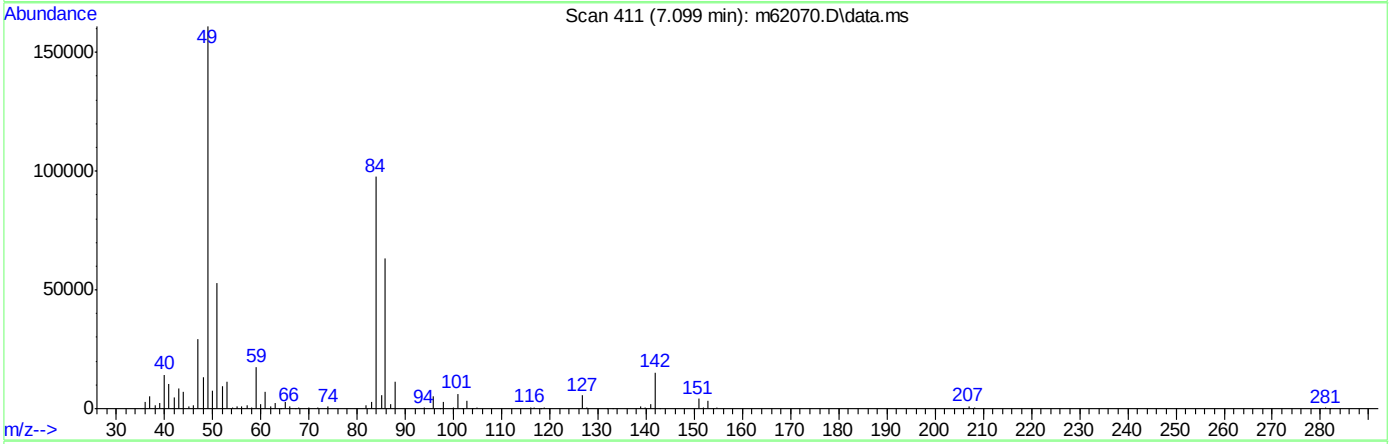
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 11 17:47:41 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration





TIC: m62070.D\data.ms

(18) methylene chloride (P)

7.099min (-7.099) 0.00ug/kg

response 0

Ion	Exp%	Act%
84.00	100	0.00
86.00	67.80	0.00#
49.00	167.00	0.00#
0.00	0.00	0.00

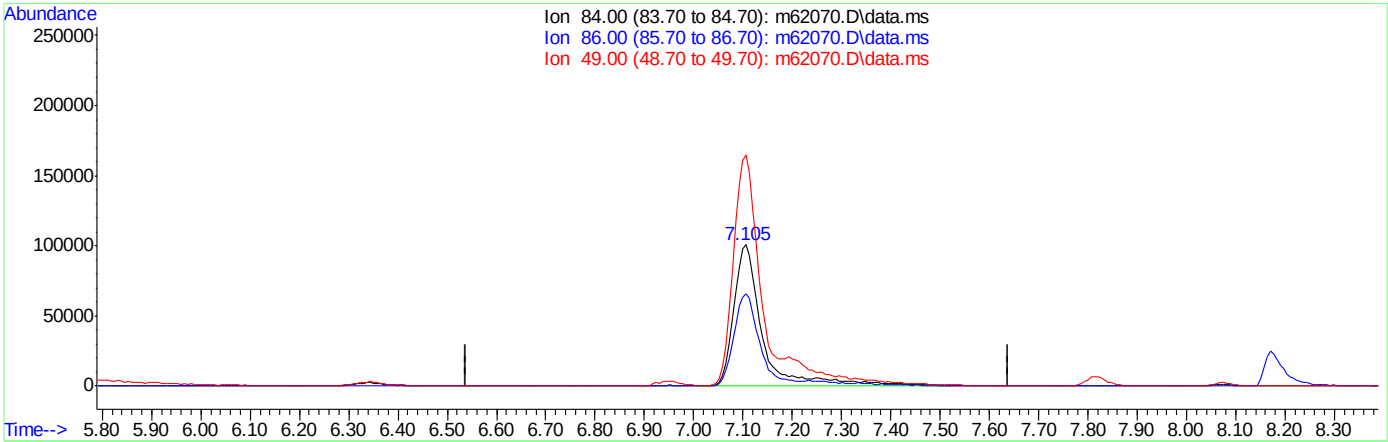
ACCUTEST LABORATORIES MC26923

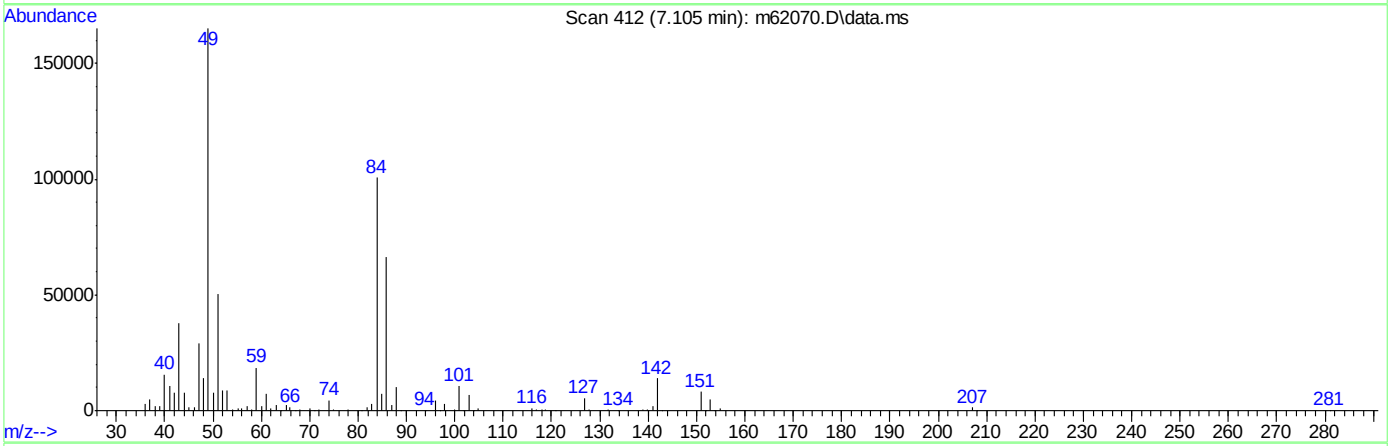
M62070.D edits: methylene chloride

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 11 17:47:41 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration





TIC: m62070.D\data.ms

(18) methylene chloride (P)

7.105min (+0.006) 91.64ug/kg m

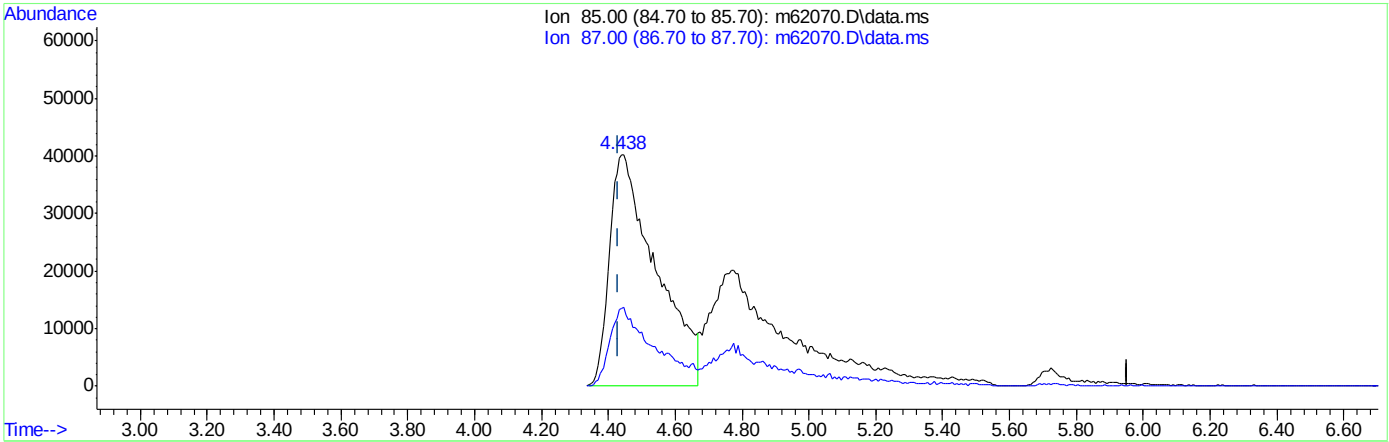
response 410360

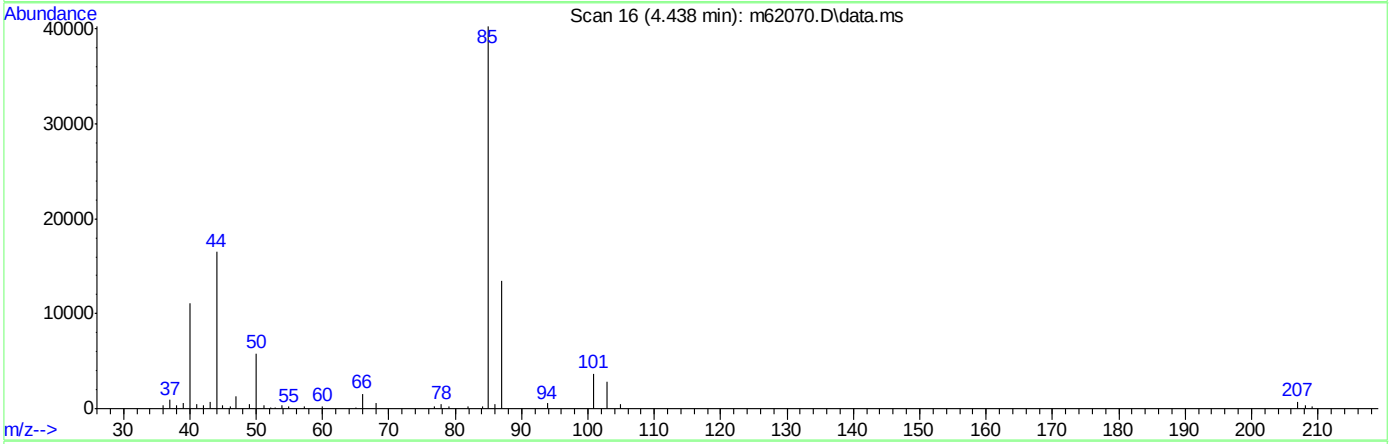
Ion	Exp%	Act%
84.00	100	100
86.00	67.80	65.73
49.00	167.00	164.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 11 17:48:21 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration





TIC: m62070.D\data.ms

(5) dichlorodifluoromethane (P)

4.438min (+0.007) 105.11ug/kg m

response 389543

Ion	Exp%	Act%
85.00	100	100
87.00	32.00	33.48
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26923

M62070.D edits: dichlorodifluoromethane

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/12/13 11:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62071.D
Acq On : 11 Dec 2013 5:50 pm
Operator : krystend
Sample : IC2169-200
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 12 09:02:19 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:48:59 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.849	65	153704	500.00	ug/kg	0.01
4) pentafluorobenzene		9.349	168	409715	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	668760	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	321234	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	341777	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	677921	161.16	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 322.32%#			
59) toluene-d8 (s)		12.037	98	2323044m	153.97	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 307.94%#			
81) bromofluorobenzene (s)		14.731	95	988542	159.53	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 319.06%#			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	1001290	1818.51	ug/kg	98
3) Ethanol		5.650	45	799676m	19816.05	ug/kg	
5) dichlorodifluoromethane		4.445	85	743306	192.59	ug/kg	99
6) chloromethane		4.701	50	1112342	174.53	ug/kg	99
7) vinyl chloride		4.970	62	1099790	184.72	ug/kg	93
8) bromomethane	...	5.502	96	673632m	172.60	ug/kg	
9) chloroethane		5.664	64	548294m	200.52	ug/kg	
10) ethyl ether		6.580	59	579882	171.63	ug/kg	95
11) acetonitrile		6.580	41	210482	205.72	ug/kg	95
12) trichlorofluoromethane		6.338	101	1313984	189.13	ug/kg	99
13) freon-113		7.146	101	534582	155.74	ug/kg	97
14) acrolein		6.324	56	934091	994.64	ug/kg	100
15) 1,1-dichloroethene		6.951	96	650629m	161.47	ug/kg	
16) acetone		6.466	58	165456	216.07	ug/kg#	82
17) Methyl Acetate		7.126	43	1048614	219.15	ug/kg	98
18) methylene chloride		7.105	84	702330m	154.03	ug/kg	
19) methyl tert butyl ether		7.907	73	1547216	170.00	ug/kg	100
20) acrylonitrile		6.998	53	378655	201.65	ug/kg	92
21) allyl chloride		7.200	41	1298045	163.73	ug/kg	99
22) trans-1,2-dichloroethene		7.813	96	712628	158.07	ug/kg	98
23) iodomethane		7.011	142	1306756	173.42	ug/kg	92
24) carbon disulfide		7.388	76	1873070	160.56	ug/kg	99
25) propionitrile		8.082	54	132880	210.05	ug/kg	100
26) vinyl acetate		8.170	43	1878448	215.01	ug/kg	98
27) chloroprene		8.446	53	1196593	168.92	ug/kg	99
28) di-isopropyl ether		8.480	45	2969962	168.27	ug/kg	87
29) methacrylonitrile		8.594	41	558105	190.70	ug/kg	99
30) 2-butanone		8.486	72	146257	232.79	ug/kg#	1
31) 1,1-dichloroethane		8.069	63	1298310	165.40	ug/kg	99
32) tert-butyl ethyl ether		8.884	59	1882723	170.65	ug/kg	99
33) isobutyl alcohol		8.884	43	381850m	560.28	ug/kg	
34) 2,2-dichloropropane		8.951	77	720568	153.99	ug/kg	99
35) cis-1,2-dichloroethene		8.655	96	821502	156.65	ug/kg	98
36) ethyl acetate		8.884	43	495322m	156.58	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62071.D
Acq On : 11 Dec 2013 5:50 pm
Operator : krystend
Sample : IC2169-200
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 12 09:02:19 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:48:59 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	474246	171.71	ug/kg	98
38) chloroform	8.864	83	1265788	165.39	ug/kg	96
40) Tetrahydrofuran	9.194	42	313914	161.78	ug/kg	100
41) 1,1,1-trichloroethane	9.625	97	982467	157.12	ug/kg	99
43) Cyclohexane	9.915	56	1280175	152.40	ug/kg	98
44) carbon tetrachloride	9.995	117	1060089	165.92	ug/kg	99
45) 1,1-dichloropropene	9.800	75	925646	163.67	ug/kg	98
46) benzene	10.029	78	2932226	156.21	ug/kg	99
47) 1,2-dichloroethane	9.524	62	981514	169.06	ug/kg	100
48) tert-amyl methyl ether	10.144	73	1440183	169.37	ug/kg	100
49) heptane	10.507	43	1472139	162.36	ug/kg	100
50) trichloroethene	10.656	95	847072	155.60	ug/kg	97
51) 1,2-dichloropropane	10.622	63	861737	169.50	ug/kg	100
52) dibromomethane	10.595	93	512613	171.73	ug/kg	97
53) bromodichloromethane	10.709	83	1041698	171.83	ug/kg	100
54) Methylcyclohexane	11.181	83	1248437	160.27	ug/kg	98
55) 2-chloroethyl vinyl ether	11.080	63	234021	178.65	ug/kg	97
56) methyl methacrylate	10.797	69	543231	193.05	ug/kg	99
57) 1,4-dioxane	10.804	88	40289	1089.05	ug/kg#	67
58) cis-1,3-dichloropropene	11.329	75	1279260	178.65	ug/kg	98
60) 4-methyl-2-pentanone	11.417	43	1030120	180.67	ug/kg	98
61) toluene	12.111	92	1987683	172.03	ug/kg	97
62) trans-1,3-dichloropropene	11.754	75	1086155	184.52	ug/kg	96
63) 1,1,2-trichloroethane	11.929	83	598408	176.30	ug/kg	97
64) ethyl methacrylate	12.117	69	1038358	193.43	ug/kg	96
66) tetrachloroethene	12.858	166	932185	145.20	ug/kg	97
67) 1,3-dichloropropane	12.164	76	1147091	161.16	ug/kg	99
68) dibromochloromethane	12.454	129	1036178	161.33	ug/kg	100
69) 1,2-dibromoethane	12.710	107	813772	161.54	ug/kg	94
70) 2-hexanone	12.272	43	930431	172.54	ug/kg	100
71) chlorobenzene	13.539	112	2650977	154.16	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.458	131	966014	157.29	ug/kg	99
73) ethylbenzene	13.707	91	3852891	152.84	ug/kg	99
74) m,p-xylene	13.896	106	3302739	309.05	ug/kg	97
75) o-xylene	14.307	106	1681278	154.97	ug/kg	96
76) styrene	14.233	104	2675538	155.37	ug/kg	98
77) bromoform	14.064	173	708716	165.40	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.455	53	345721	168.67	ug/kg	96
80) isopropylbenzene	14.670	105	4366007	169.62	ug/kg	99
82) bromobenzene	14.967	156	1161635	169.27	ug/kg	98
83) 1,1,2,2-tetrachloroethane	14.313	83	1072559	177.78	ug/kg	97
84) 1,2,3-trichloropropane	14.462	75	1183176	186.85	ug/kg	100
85) n-propylbenzene	15.115	91	4825893	171.03	ug/kg	100
86) 2-chlorotoluene	15.236	91	2913535	167.32	ug/kg	98
87) 4-chlorotoluene	15.310	91	2925793	169.15	ug/kg	97
88) 1,3,5-trimethylbenzene	15.391	105	3679264	172.27	ug/kg	99
89) tert-butylbenzene	15.701	91	1976092	168.20	ug/kg	98
90) 1,2,4-trimethylbenzene	15.802	105	3643365	172.64	ug/kg	99
91) sec-butylbenzene	15.923	105	4996277	169.15	ug/kg	99
92) 1,3-dichlorobenzene	16.031	146	2355845	168.70	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62071.D
Acq On : 11 Dec 2013 5:50 pm
Operator : krystend
Sample : IC2169-200
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 12 09:02:19 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:48:59 2013
Response via : Initial Calibration

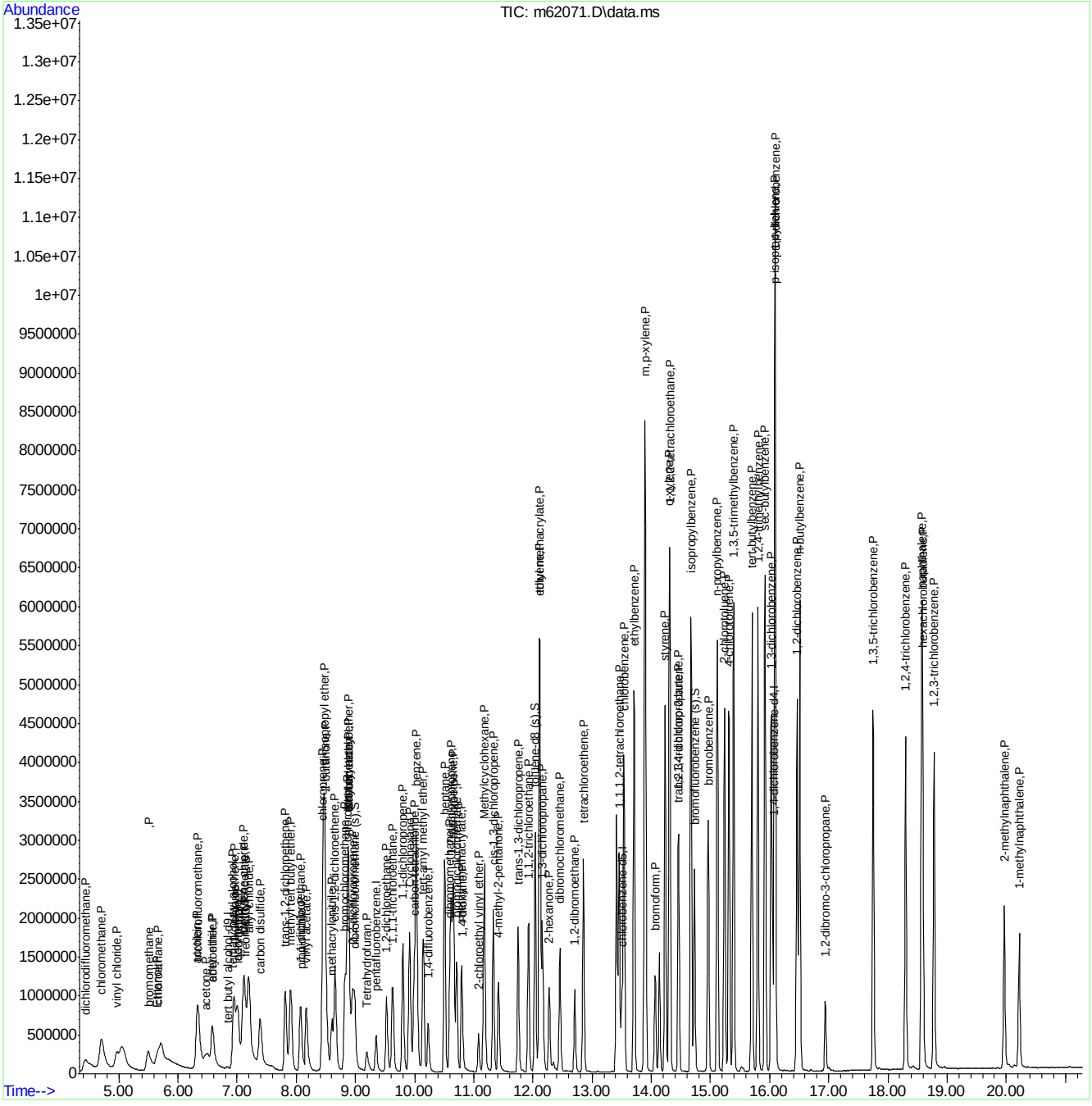
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	4380608	170.58	ug/kg	98
94) 1,4-dichlorobenzene	16.099	146	2368523	166.19	ug/kg	98
95) 1,2-dichlorobenzene	16.462	146	2367971	170.58	ug/kg	99
96) n-butylbenzene	16.509	91	3667767	169.21	ug/kg	100
97) 1,2-dibromo-3-chloropr...	16.941	75	223481	168.85	ug/kg	99
98) 1,3,5-trichlorobenzene	17.749	180	1718083	168.88	ug/kg	100
99) 1,2,4-trichlorobenzene	18.301	180	1655147	171.42	ug/kg	97
100) hexachlorobutadiene	18.591	225	743990	163.04	ug/kg	99
101) naphthalene	18.571	128	4718963	178.74	ug/kg	100
102) 1,2,3-trichlorobenzene	18.780	180	1612613	172.87	ug/kg	98
103) 2-methylnaphthalene	19.965	142	1400872	92.42	ug/kg	100
104) 1-methylnaphthalene	20.221	TIC	3813746	68.97	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62071.D
Acq On : 11 Dec 2013 5:50 pm
Operator : krystend
Sample : IC2169-200
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

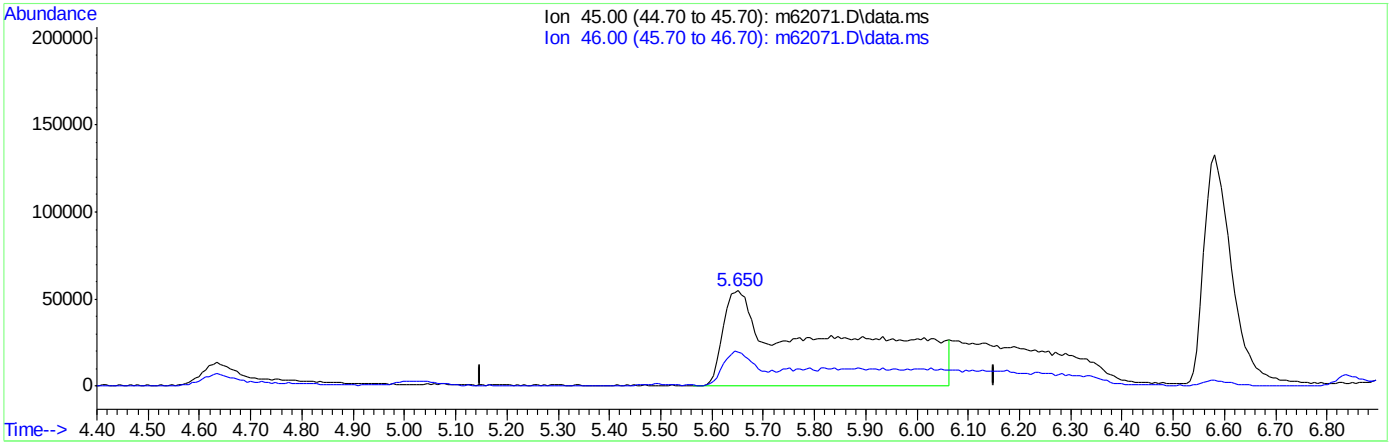
Quant Time: Dec 12 09:02:19 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:48:59 2013
Response via : Initial Calibration

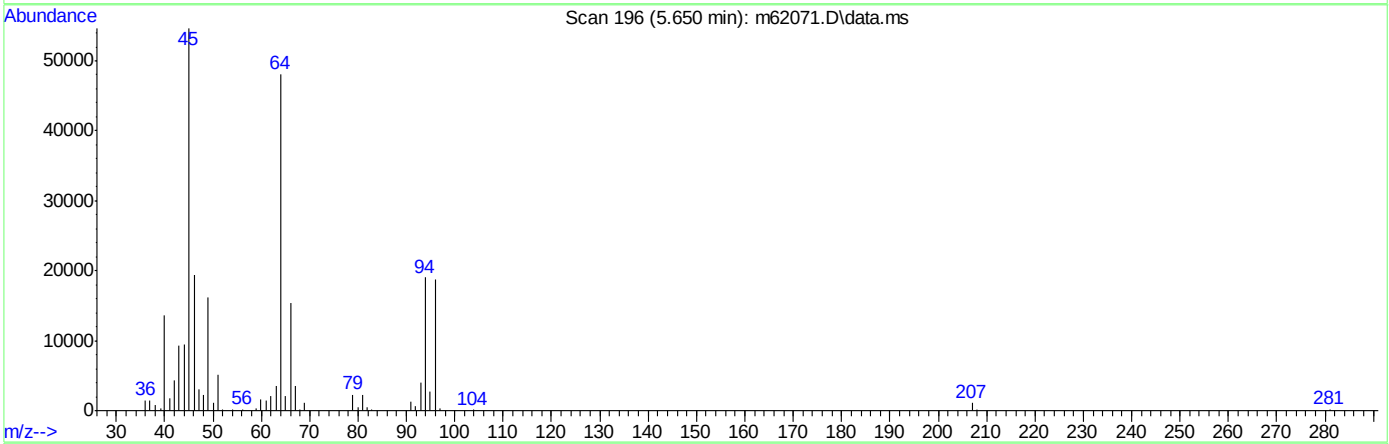


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62071.D
Acq On : 11 Dec 2013 5:50 pm
Operator : krystend
Sample : IC2169-200
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 12 08:27:18 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:48:59 2013
Response via : Initial Calibration





TIC: m62071.D\data.ms

(3) Ethanol (P)

5.650min (+0.000) 19816.05ug/kg m

response 799676

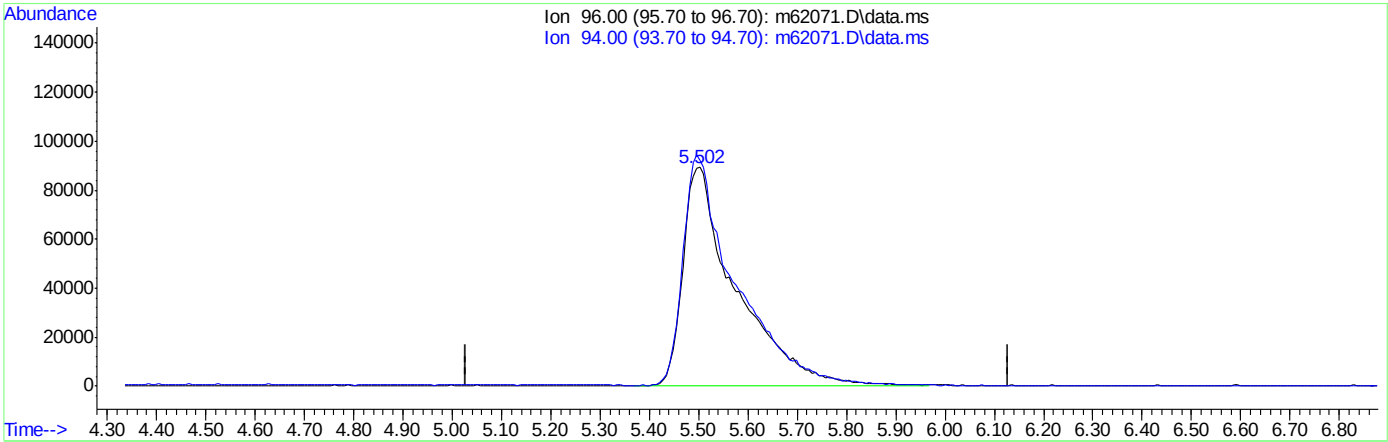
Ion	Exp%	Act%
45.00	100	100
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

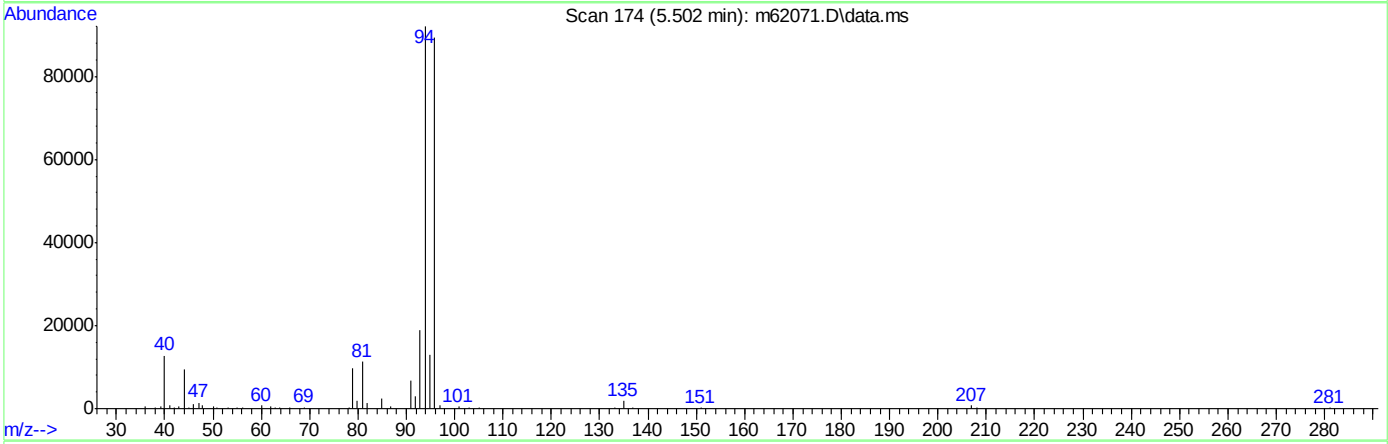
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62071.D
Acq On : 11 Dec 2013 5:50 pm
Operator : krystend
Sample : IC2169-200
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 12 08:27:18 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:48:59 2013
Response via : Initial Calibration





TIC: m62071.D\data.ms

(8) bromomethane (P)

5.502min (+0.013) 172.60ug/kg m

response 673632

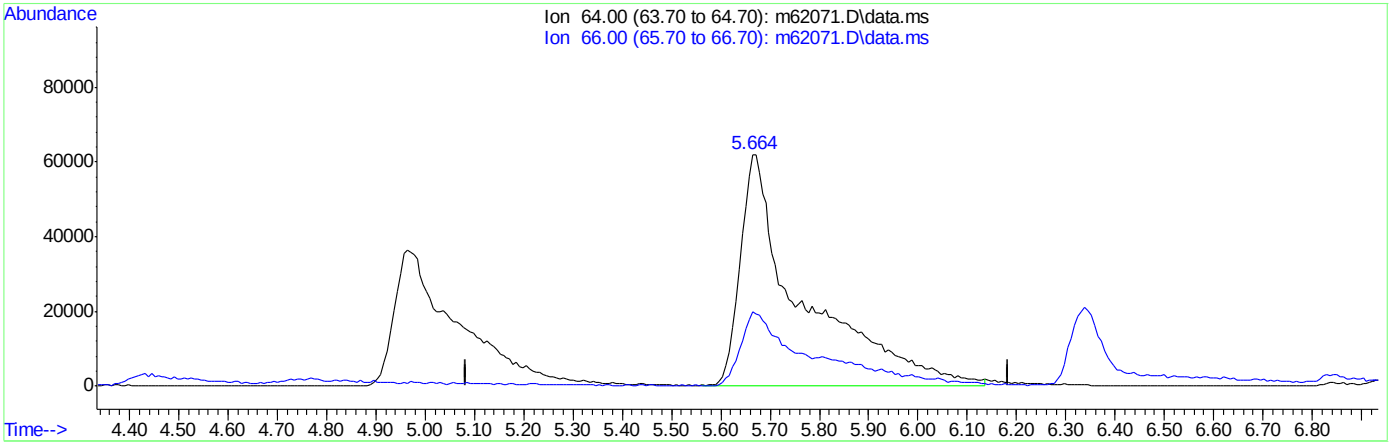
Ion	Exp%	Act%
96.00	100	100
94.00	109.30	102.96
0.00	0.00	0.00
0.00	0.00	0.00

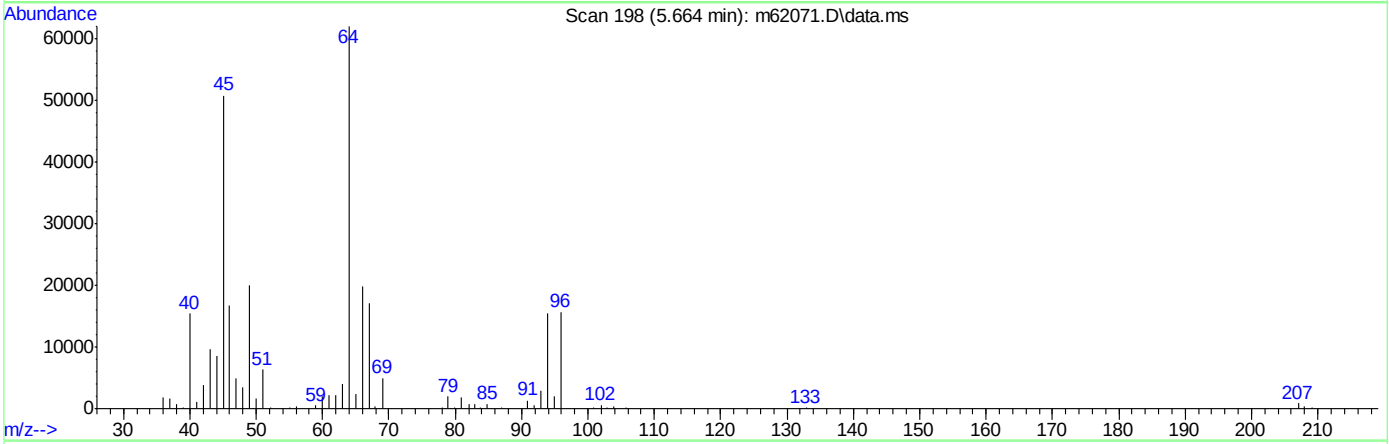
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62071.D
Acq On : 11 Dec 2013 5:50 pm
Operator : krystend
Sample : IC2169-200
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 12 08:27:18 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:48:59 2013
Response via : Initial Calibration





TIC: m62071.D\data.ms

(9) chloroethane (P)

5.664min (-0.000) 200.52ug/kg m

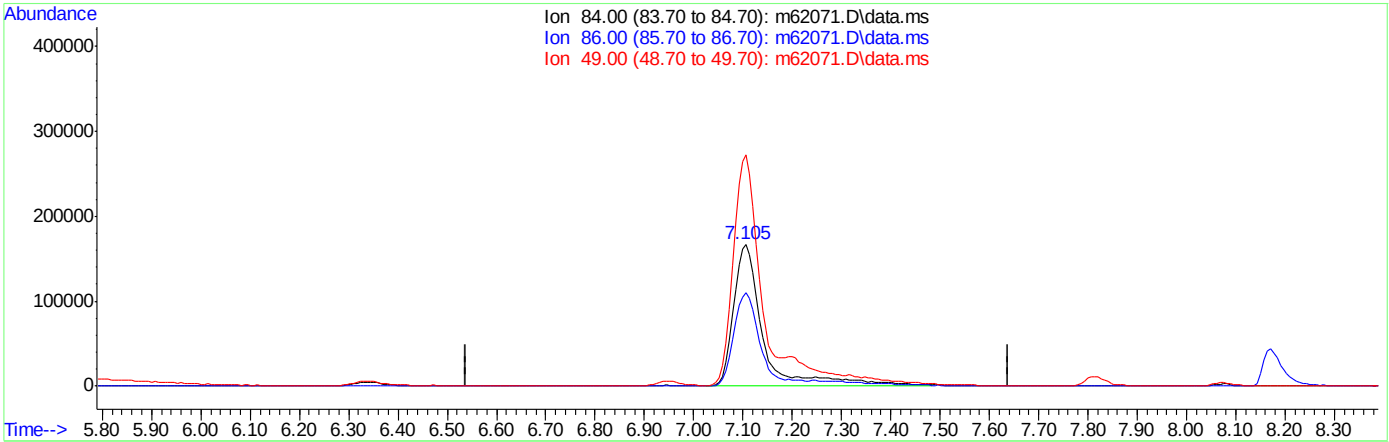
response 548294

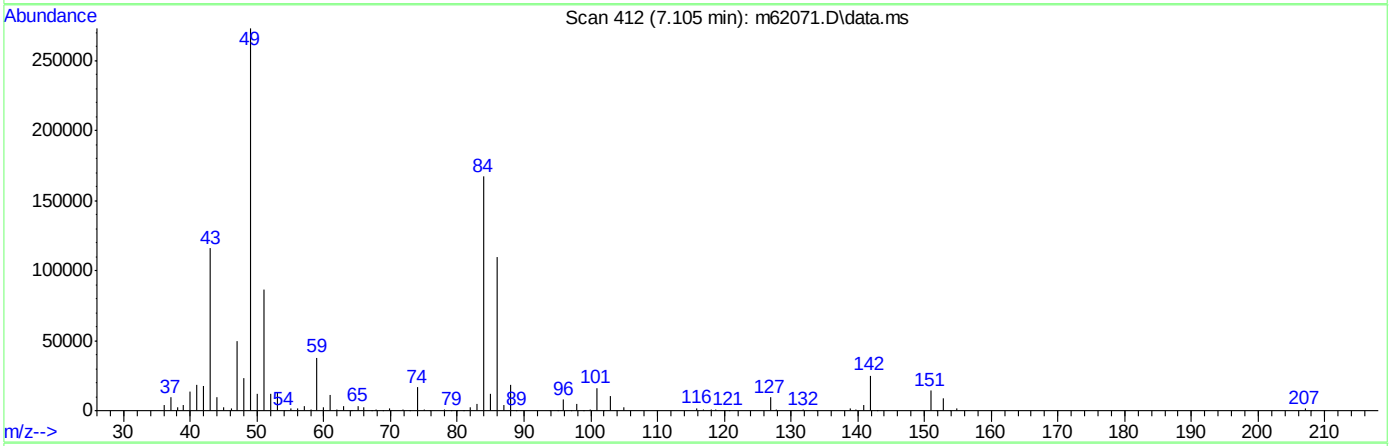
Ion	Exp%	Act%
64.00	100	100
66.00	28.60	31.98
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62071.D
Acq On : 11 Dec 2013 5:50 pm
Operator : krystend
Sample : IC2169-200
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 12 08:27:18 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:48:59 2013
Response via : Initial Calibration





TIC: m62071.D\data.ms

(18) methylene chloride (P)

7.105min (+0.006) 154.03ug/kg m

response 702330

Ion	Exp%	Act%
84.00	100	100
86.00	67.80	65.57
49.00	167.00	163.21
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26923

M62072.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski 12/12/13 11:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62072.D
Acq On : 11 Dec 2013 6:20 pm
Operator : krystend
Sample : IC2169-400
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 12 08:47:58 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:27:58 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	158666	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	422360	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	690602	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	379400	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	360135	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	1195231	283.49	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	566.98%#		
59) toluene-d8 (s)		12.036	98	3983251	264.10	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	528.20%#		
81) bromofluorobenzene (s)		14.731	95	1825220	287.86	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	575.72%#		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	2242869	3997.85	ug/kg	96
3) Ethanol		5.657	45	1781326m	42817.24	ug/kg	
5) dichlorodifluoromethane		4.431	85	1832877m	463.12	ug/kg	
6) chloromethane		4.700	50	2518050	390.37	ug/kg	98
7) vinyl chloride		4.963	62	2427956	399.96	ug/kg	91
8) bromomethane	...	5.495	96	1518440m	384.95	ug/kg	
9) chloroethane		5.664	64	1246448m	442.00	ug/kg	
10) ethyl ether		6.580	59	1254221	367.54	ug/kg	97
11) acetonitrile		6.573	41	434452	409.95	ug/kg	94
12) trichlorofluoromethane		6.337	101	2903780	408.62	ug/kg	100
13) freon-113		7.146	101	1011607	295.22	ug/kg	99
14) acrolein		6.324	56	2097515	2168.27	ug/kg	100
15) 1,1-dichloroethene		6.944	96	1269475m	315.18	ug/kg	
16) acetone		6.459	58	324815	404.98	ug/kg	92
17) Methyl Acetate		7.119	43	2317414	463.48	ug/kg	96
18) methylene chloride		7.105	84	1477674m	325.05	ug/kg	
19) methyl tert butyl ether		7.907	73	3356880	365.63	ug/kg	99
20) acrylonitrile		6.991	53	842247	434.51	ug/kg	92
21) allyl chloride		7.200	41	2682764	336.99	ug/kg	99
22) trans-1,2-dichloroethene		7.813	96	1445995	320.75	ug/kg	97
23) iodomethane		7.011	142	2713296	356.05	ug/kg	93
24) carbon disulfide		7.388	76	3783961	323.78	ug/kg	99
25) propionitrile		8.075	54	297950	453.09	ug/kg	100
26) vinyl acetate		8.163	43	4193734	460.71	ug/kg	98
27) chloroprene		8.446	53	2425403	339.68	ug/kg	98
28) di-isopropyl ether		8.486	45	6393929	359.56	ug/kg	91
29) methacrylonitrile		8.594	41	1250761	417.35	ug/kg	98
30) 2-butanone		8.480	72	317533	477.22	ug/kg#	1
31) 1,1-dichloroethane		8.069	63	2712306	343.68	ug/kg	99
32) tert-butyl ethyl ether		8.884	59	4065270	365.10	ug/kg	99
33) isobutyl alcohol		8.897	43	759785m	1135.20	ug/kg	
34) 2,2-dichloropropane		8.951	77	1480178	317.27	ug/kg	99
35) cis-1,2-dichloroethene		8.655	96	1729067	330.07	ug/kg	97
36) ethyl acetate		8.897	43	1047581m	334.37	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62072.D
Acq On : 11 Dec 2013 6:20 pm
Operator : krystend
Sample : IC2169-400
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 12 08:47:58 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:27:58 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	1024136	367.12	ug/kg	98
38) chloroform	8.864	83	2681493	348.50	ug/kg	93
40) Tetrahydrofuran	9.194	42	710134	366.70	ug/kg	98
41) 1,1,1-trichloroethane	9.632	97	2051469	328.32	ug/kg	98
43) Cyclohexane	9.914	56	2559436	305.45	ug/kg	98
44) carbon tetrachloride	9.995	117	2178945	338.49	ug/kg	99
45) 1,1-dichloropropene	9.800	75	1907405	335.30	ug/kg	98
46) benzene	10.029	78	6123157m	324.77	ug/kg	
47) 1,2-dichloroethane	9.524	62	2106191	359.25	ug/kg	99
48) tert-amyl methyl ether	10.143	73	3126824	364.05	ug/kg	98
49) heptane	10.507	43	2996914	328.92	ug/kg	98
50) trichloroethene	10.655	95	1792408	327.93	ug/kg	97
51) 1,2-dichloropropane	10.622	63	1865383	363.23	ug/kg	99
52) dibromomethane	10.595	93	1135101	375.82	ug/kg	97
53) bromodichloromethane	10.709	83	2260648	368.52	ug/kg	100
54) Methylcyclohexane	11.181	83	2542888	325.35	ug/kg	99
55) 2-chloroethyl vinyl ether	11.080	63	521433	392.46	ug/kg	97
56) methyl methacrylate	10.797	69	1233050	426.46	ug/kg	97
57) 1,4-dioxane	10.797	88	96361	2485.46	ug/kg#	62
58) cis-1,3-dichloropropene	11.329	75	2829746	388.60	ug/kg	99
60) 4-methyl-2-pentanone	11.417	43	2253328	388.06	ug/kg	98
61) toluene	12.111	92	4211225	360.15	ug/kg	98
62) trans-1,3-dichloropropene	11.747	75	2427015	403.73	ug/kg	98
63) 1,1,2-trichloroethane	11.922	83	1325298	384.61	ug/kg	95
64) ethyl methacrylate	12.117	69	2322254	420.89	ug/kg	97
66) tetrachloroethene	12.858	166	1974819	269.68	ug/kg	99
67) 1,3-dichloropropane	12.164	76	2531456	309.73	ug/kg	99
68) dibromochloromethane	12.454	129	2309232	313.07	ug/kg	99
69) 1,2-dibromoethane	12.710	107	1817500	314.10	ug/kg	96
70) 2-hexanone	12.272	43	1954744	313.06	ug/kg	99
71) chlorobenzene	13.539	112	5740003	292.19	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.458	131	2134634	303.55	ug/kg	98
73) ethylbenzene	13.707	91	8298906	288.46	ug/kg	99
74) m,p-xylene	13.896	106	7114196	582.57	ug/kg	99
75) o-xylene	14.307	106	3648055	294.16	ug/kg	98
76) styrene	14.232	104	5853093	297.26	ug/kg	98
77) bromoform	14.064	173	1618718	327.96	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.455	53	782289	331.81	ug/kg	93
80) isopropylbenzene	14.670	105	9474738	357.08	ug/kg	100
82) bromobenzene	14.967	156	2563910	362.53	ug/kg	98
83) 1,1,2,2-tetrachloroethane	14.313	83	2402209	383.97	ug/kg	97
84) 1,2,3-trichloropropane	14.461	75	2688921	406.81	ug/kg	100
85) n-propylbenzene	15.115	91	10375117	356.33	ug/kg	100
86) 2-chlorotoluene	15.236	91	6358678	354.84	ug/kg	100
87) 4-chlorotoluene	15.317	91	6363993	357.05	ug/kg	99
88) 1,3,5-trimethylbenzene	15.391	105	8110474	367.67	ug/kg	99
89) tert-butylbenzene	15.701	91	4283550	354.06	ug/kg	97
90) 1,2,4-trimethylbenzene	15.802	105	8007718	367.28	ug/kg	100
91) sec-butylbenzene	15.923	105	10850106	356.46	ug/kg	99
92) 1,3-dichlorobenzene	16.031	146	5161928	358.82	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62072.D
Acq On : 11 Dec 2013 6:20 pm
Operator : krystend
Sample : IC2169-400
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 12 08:47:58 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:27:58 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.092	119	9561277	360.93	ug/kg	99
94)	1,4-dichlorobenzene	16.098	146	5140212	350.75	ug/kg	99
95)	1,2-dichlorobenzene	16.098	146	5136424	358.69	ug/kg	98
96)	n-butylbenzene	16.509	91	7837410	350.87	ug/kg	100
97)	1,2-dibromo-3-chloropr...	16.940	75	498181	366.74	ug/kg	99
98)	1,3,5-trichlorobenzene	17.756	180	3736800	356.52	ug/kg	99
99)	1,2,4-trichlorobenzene	18.301	180	3605121	361.73	ug/kg	98
100)	hexachlorobutadiene	18.591	225	1575375	336.52	ug/kg	98
101)	naphthalene	18.571	128	10495669	383.09	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	3484119	361.46	ug/kg	98
103)	2-methylnaphthalene	19.965	142	3067983	194.19	ug/kg	100
104)	1-methylnaphthalene	20.221	TIC	8173452	146.79	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62072.D
Acq On : 11 Dec 2013 6:20 pm
Operator : krystend
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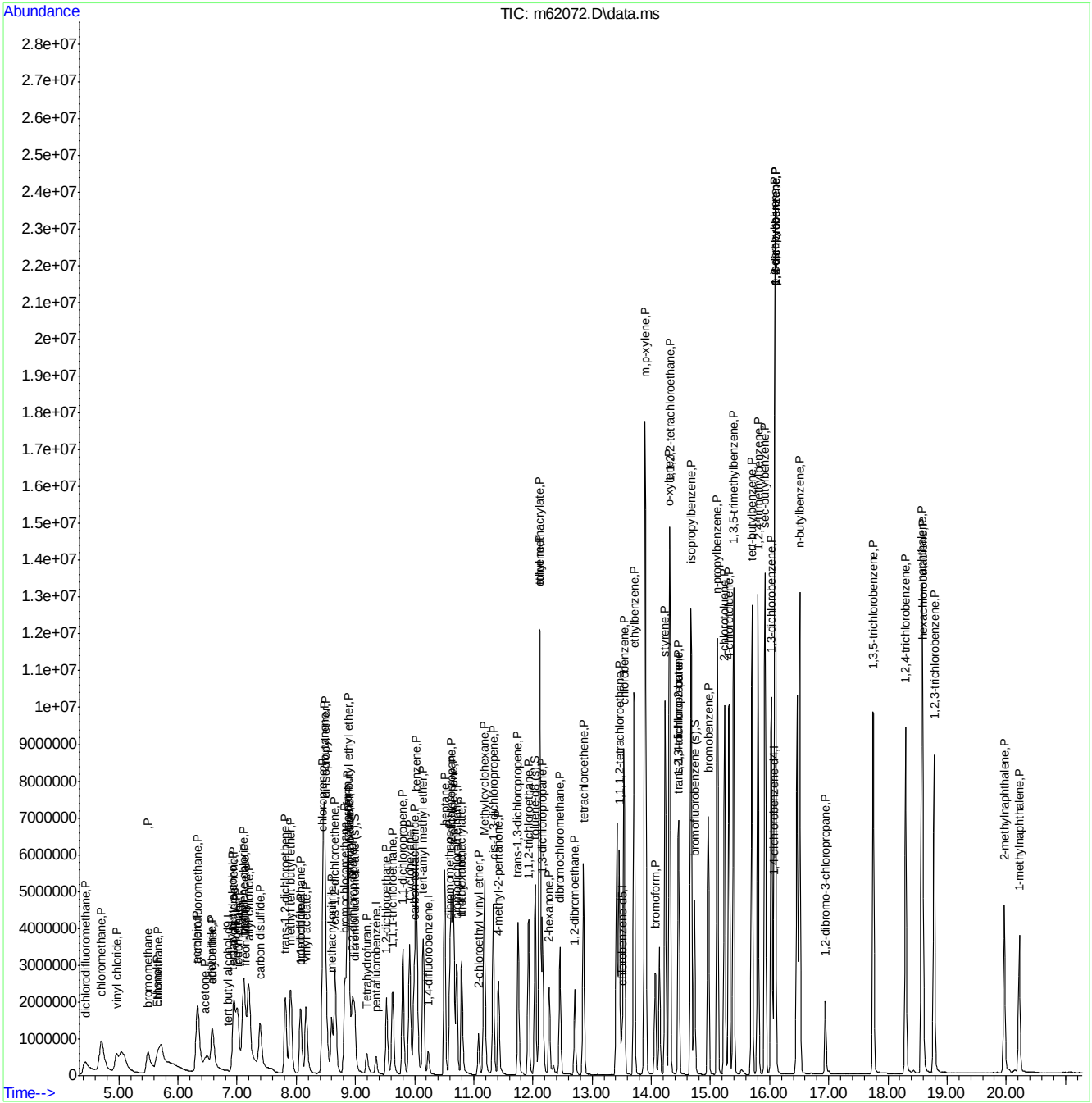
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

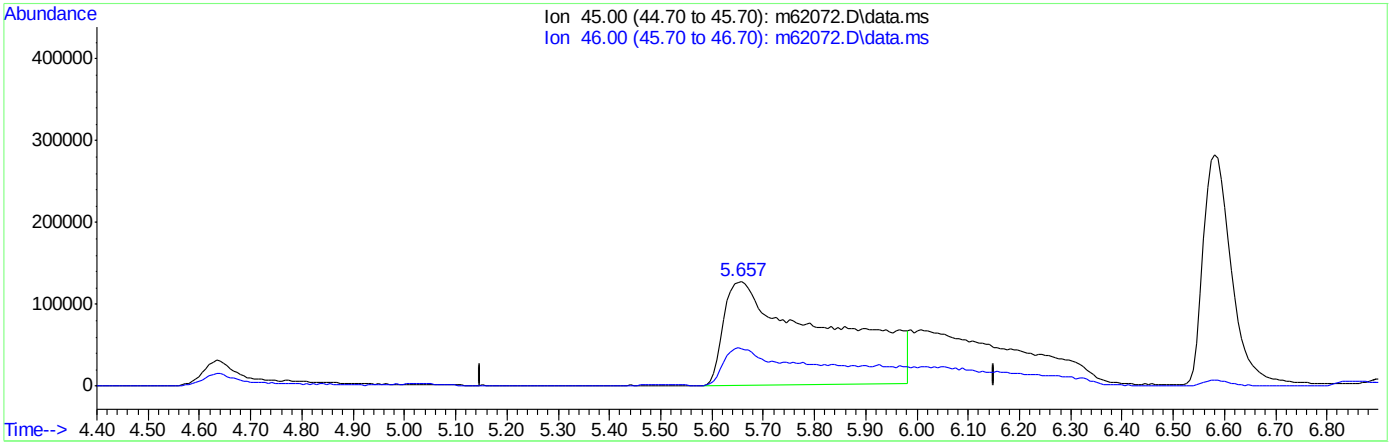
Quant Time: Dec 12 08:47:58 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:27:58 2013
Response via : Initial Calibration

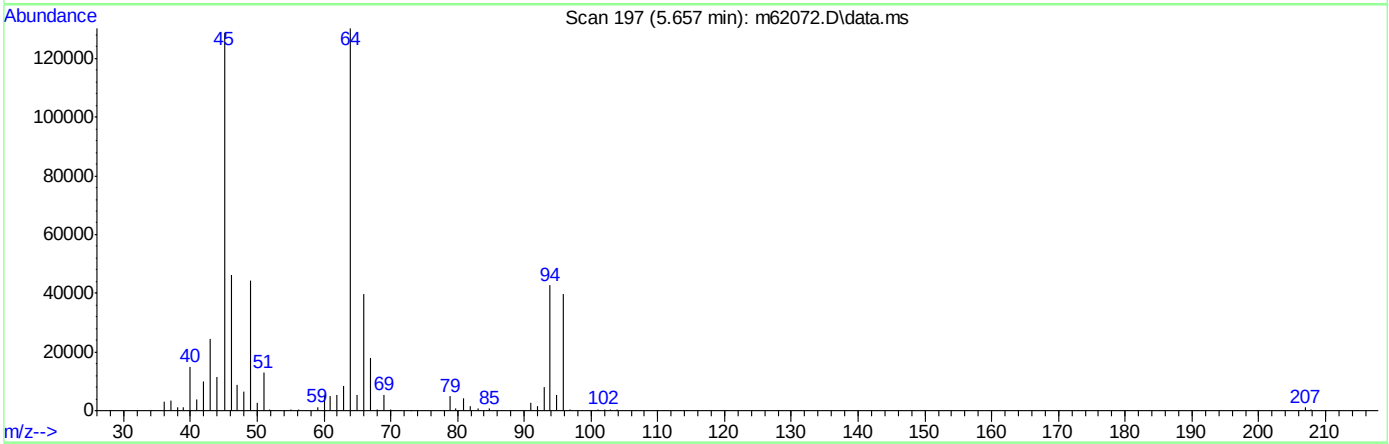


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62072.D
Acq On : 11 Dec 2013 6:20 pm
Operator : krystend
Sample : IC2169-400
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 12 08:28:07 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:27:58 2013
Response via : Initial Calibration





TIC: m62072.D\data.ms

(3) Ethanol (P)

5.657min (+0.007) 42817.24ug/kg m

response 1781326

Ion	Exp%	Act%
45.00	100	100
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62072.D
Acq On : 11 Dec 2013 6:20 pm
Operator : krystend
Sample : IC2169-400
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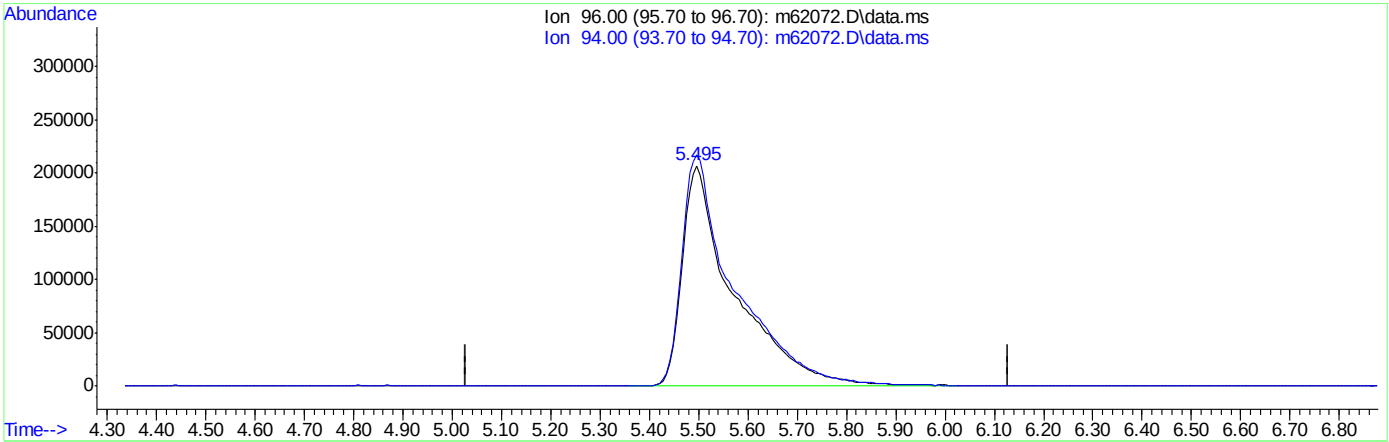

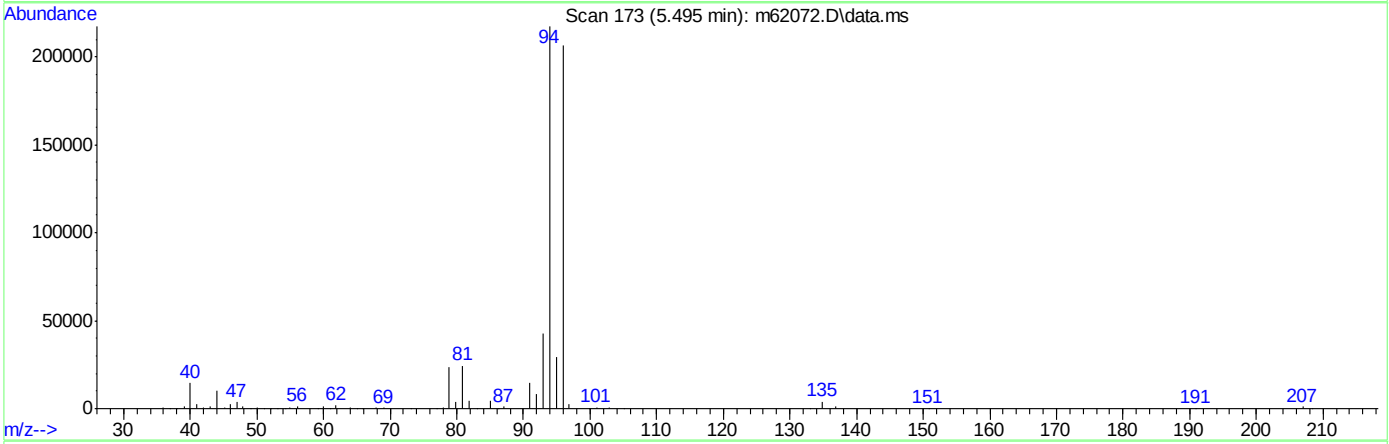

TIC: m62072.D\data.ms

(8) bromomethane (P)

5.495min (+0.006) 384.95ug/kg m

response 1518440

Ion	Exp%	Act%
96.00	100	100
94.00	109.30	105.14
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62072.D
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Operator : krystend
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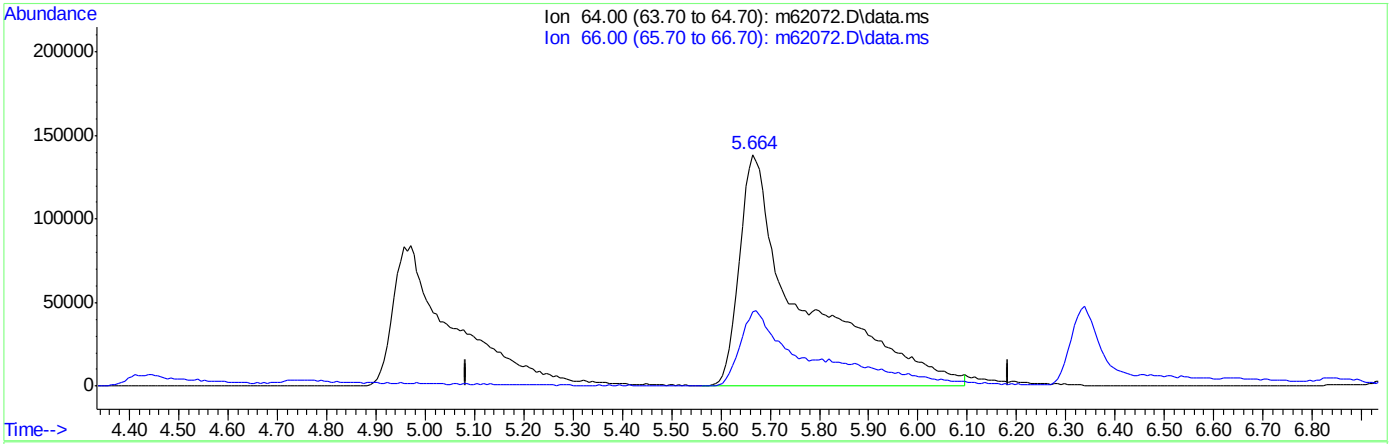

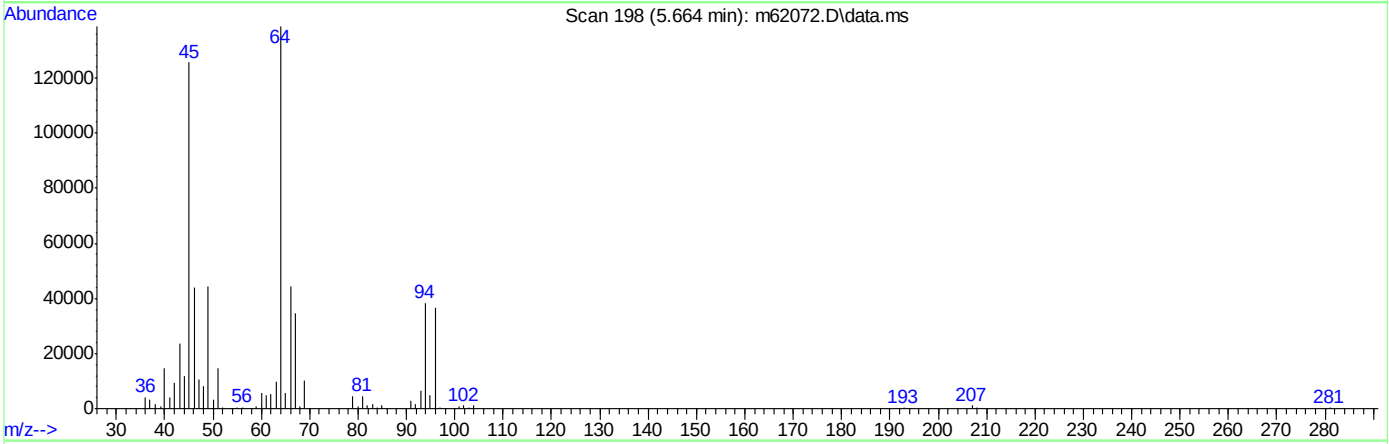

TIC: m62072.D\data.ms

(9) chloroethane (P)

5.664min (-0.000) 442.00ug/kg m

response 1246448

Ion	Exp%	Act%
64.00	100	100
66.00	28.60	32.08
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62072.D
Acq On : 11 Dec 2013 6:20 pm
Operator : krystend
Sample : IC2169-400
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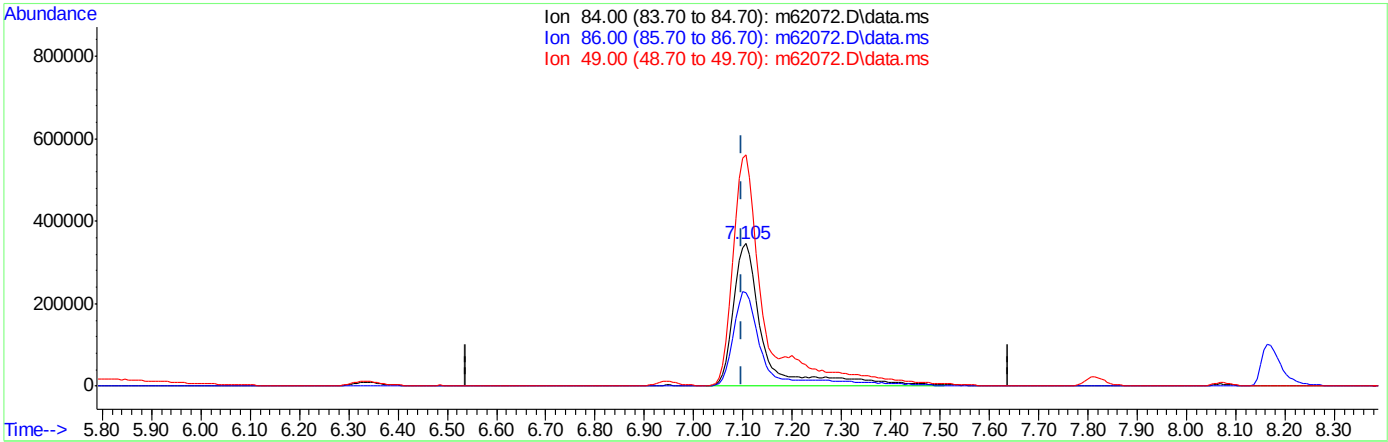
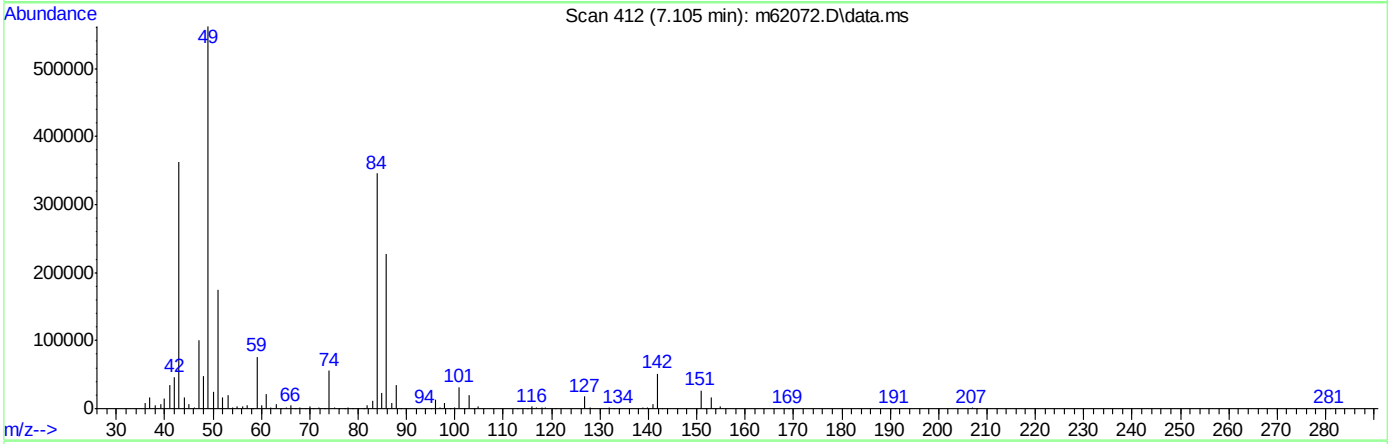
QLast Update : Thu Dec 12 08:27:58 2013
Response via : Initial Calibration





TIC: m62072.D\data.ms

(18) methylene chloride (P)

7.105min (+0.006) 325.05ug/kg m

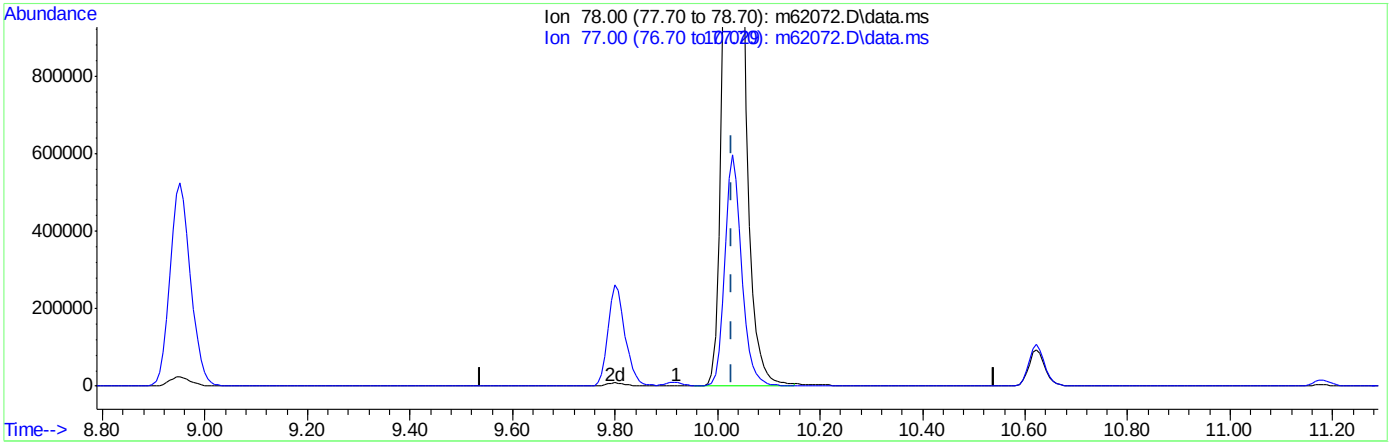
response 1477674

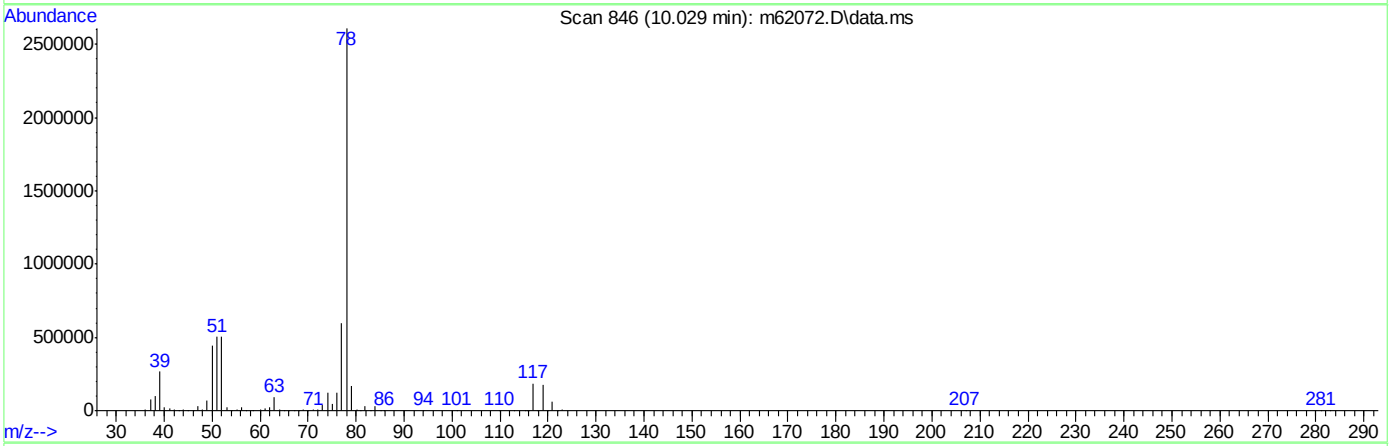
Ion	Exp%	Act%
84.00	100	100
86.00	67.80	65.80
49.00	167.00	162.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62072.D
Acq On : 11 Dec 2013 6:20 pm
Operator : krystend
Sample : IC2169-400
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 12 08:34:24 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:27:58 2013
Response via : Initial Calibration





TIC: m62072.D\data.ms

(46) benzene (P)

10.029min (-0.000) 324.77ug/kg m

response 6123157

Ion	Exp%	Act%
78.00	100	100
77.00	22.20	22.93
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26923

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/12/13 11:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62074.D
Acq On : 11 Dec 2013 7:18 pm
Operator : krystend
Sample : ICC2169-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 09:00:29 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:29:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	143288	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	414372	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	673820	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	294045	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	339775	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	200806m	50.38	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.76%			
59) toluene-d8 (s)	12.036	98	696783m	49.45	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.90%			
81) bromofluorobenzene (s)	14.731	95	286770	49.68	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.36%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	229722	453.45	ug/kg	97
3) Ethanol	5.657	45	165886m	4376.76	ug/kg	
5) dichlorodifluoromethane	4.438	85	176782	44.65	ug/kg	95
6) chloromethane	4.707	50	272633	43.21	ug/kg	100
7) vinyl chloride	4.970	62	274040	46.01	ug/kg	96
8) bromomethane ...	5.495	96	167575	43.51	ug/kg	99
9) chloroethane	5.677	64	132897m	47.32	ug/kg	
10) ethyl ether	6.580	59	148310	44.75	ug/kg	98
11) acetonitrile	6.580	41	45056	43.18	ug/kg	94
12) trichlorofluoromethane	6.337	101	318520	45.56	ug/kg	99
13) freon-113	7.159	101	164083	50.46	ug/kg	90
14) acrolein	6.331	56	211875	220.92	ug/kg	100
15) 1,1-dichloroethene	6.950	96	166635	43.44	ug/kg	94
16) acetone	6.546	58	33054	41.92	ug/kg	98
17) Methyl Acetate	7.139	43	233084	46.59	ug/kg	99
18) methylene chloride	7.105	84	187377m	43.02	ug/kg	
19) methyl tert butyl ether	7.900	73	390741	43.85	ug/kg	97
20) acrylonitrile	7.018	53	87656	45.53	ug/kg	95
21) allyl chloride	7.200	41	344739	45.02	ug/kg	99
22) trans-1,2-dichloroethene	7.819	96	192981	44.74	ug/kg	99
23) iodomethane	7.011	142	345238	46.82	ug/kg	95
24) carbon disulfide	7.388	76	502425	44.89	ug/kg	99
25) propionitrile	8.156	54	28616	43.53	ug/kg	100
26) vinyl acetate	8.176	43	431867	47.46	ug/kg	99
27) chloroprene	8.446	53	312161	45.42	ug/kg	100
28) di-isopropyl ether	8.486	45	753611	43.75	ug/kg	97
29) methacrylonitrile	8.601	41	124937	42.26	ug/kg	96
30) 2-butanone	8.513	72	28383	42.31	ug/kg#	90
31) 1,1-dichloroethane	8.075	63	343622	45.18	ug/kg	99
32) tert-butyl ethyl ether	8.884	59	483964	44.79	ug/kg	98
33) isobutyl alcohol	8.884	43	96350m	151.64	ug/kg	
34) 2,2-dichloropropane	8.951	77	204852	45.94	ug/kg	97
35) cis-1,2-dichloroethene	8.655	96	220220	43.81	ug/kg	93
36) ethyl acetate	8.884	43	131772m	44.04	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62074.D
Acq On : 11 Dec 2013 7:18 pm
Operator : krystend
Sample : ICC2169-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 09:00:29 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:29:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	120370	44.44	ug/kg	97
38) chloroform	8.864	83	331032	44.57	ug/kg	98
40) Tetrahydrofuran	9.194	42	73422	39.11	ug/kg	95
41) 1,1,1-trichloroethane	9.632	97	273774	45.68	ug/kg	98
43) Cyclohexane	9.914	56	359562	45.32	ug/kg	97
44) carbon tetrachloride	9.995	117	285182	46.30	ug/kg	99
45) 1,1-dichloropropene	9.800	75	240640	44.25	ug/kg	97
46) benzene	10.029	78	755242	46.18	ug/kg	98
47) 1,2-dichloroethane	9.524	62	245985	43.56	ug/kg	97
48) tert-amyl methyl ether	10.144	73	379924	45.85	ug/kg	99
49) heptane	10.507	43	387142	44.54	ug/kg	99
50) trichloroethene	10.655	95	218045	41.72	ug/kg	96
51) 1,2-dichloropropane	10.622	63	219979	44.41	ug/kg	99
52) dibromomethane	10.595	93	127323	43.53	ug/kg	96
53) bromodichloromethane	10.709	83	267671	45.17	ug/kg	99
54) Methylcyclohexane	11.181	83	337711	45.34	ug/kg	99
55) 2-chloroethyl vinyl ether	11.080	63	57419	44.41	ug/kg	99
56) methyl methacrylate	10.797	69	124158	43.65	ug/kg	97
57) 1,4-dioxane	10.810	88	9645	246.43	ug/kg	81
58) cis-1,3-dichloropropene	11.329	75	319091	45.07	ug/kg	100
60) 4-methyl-2-pentanone	11.417	43	236256	41.86	ug/kg	98
61) toluene	12.111	92	508962	45.17	ug/kg	94
62) trans-1,3-dichloropropene	11.754	75	260106	44.29	ug/kg	96
63) 1,1,2-trichloroethane	11.922	83	148818	44.48	ug/kg	93
64) ethyl methacrylate	12.124	69	236030	43.56	ug/kg	96
66) tetrachloroethene	12.858	166	243167	44.46	ug/kg	98
67) 1,3-dichloropropane	12.164	76	277911	45.15	ug/kg	98
68) dibromochloromethane	12.454	129	257355	46.28	ug/kg	99
69) 1,2-dibromoethane	12.710	107	200334	45.90	ug/kg	99
70) 2-hexanone	12.279	43	182686	38.81	ug/kg	98
71) chlorobenzene	13.539	112	673100	45.75	ug/kg	98
72) 1,1,1,2-tetrachloroethane	13.458	131	243696	46.10	ug/kg	99
73) ethylbenzene	13.707	91	988077	45.91	ug/kg	99
74) m,p-xylene	13.896	106	851283	93.11	ug/kg	98
75) o-xylene	14.307	106	432290	46.51	ug/kg	97
76) styrene	14.239	104	687493	46.54	ug/kg	96
77) bromoform	14.064	173	167786	44.87	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.455	53	76932	43.15	ug/kg	97
80) isopropylbenzene	14.670	105	1119475	45.33	ug/kg	99
82) bromobenzene	14.967	156	294231	44.62	ug/kg	99
83) 1,1,2,2-tetrachloroethane	14.313	83	253957	43.24	ug/kg	96
84) 1,2,3-trichloropropane	14.462	75	275462	44.08	ug/kg	99
85) n-propylbenzene	15.115	91	1230406	45.41	ug/kg	100
86) 2-chlorotoluene	15.236	91	741230	44.47	ug/kg	100
87) 4-chlorotoluene	15.317	91	736617	44.40	ug/kg	99
88) 1,3,5-trimethylbenzene	15.391	105	928071	45.05	ug/kg	96
89) tert-butylbenzene	15.701	91	501528	44.58	ug/kg	96
90) 1,2,4-trimethylbenzene	15.802	105	914078	44.90	ug/kg	98
91) sec-butylbenzene	15.923	105	1261214	44.52	ug/kg	99
92) 1,3-dichlorobenzene	16.031	146	592052	44.19	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62074.D
Acq On : 11 Dec 2013 7:18 pm
Operator : krystend
Sample : ICC2169-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 09:00:29 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:29:43 2013
Response via : Initial Calibration

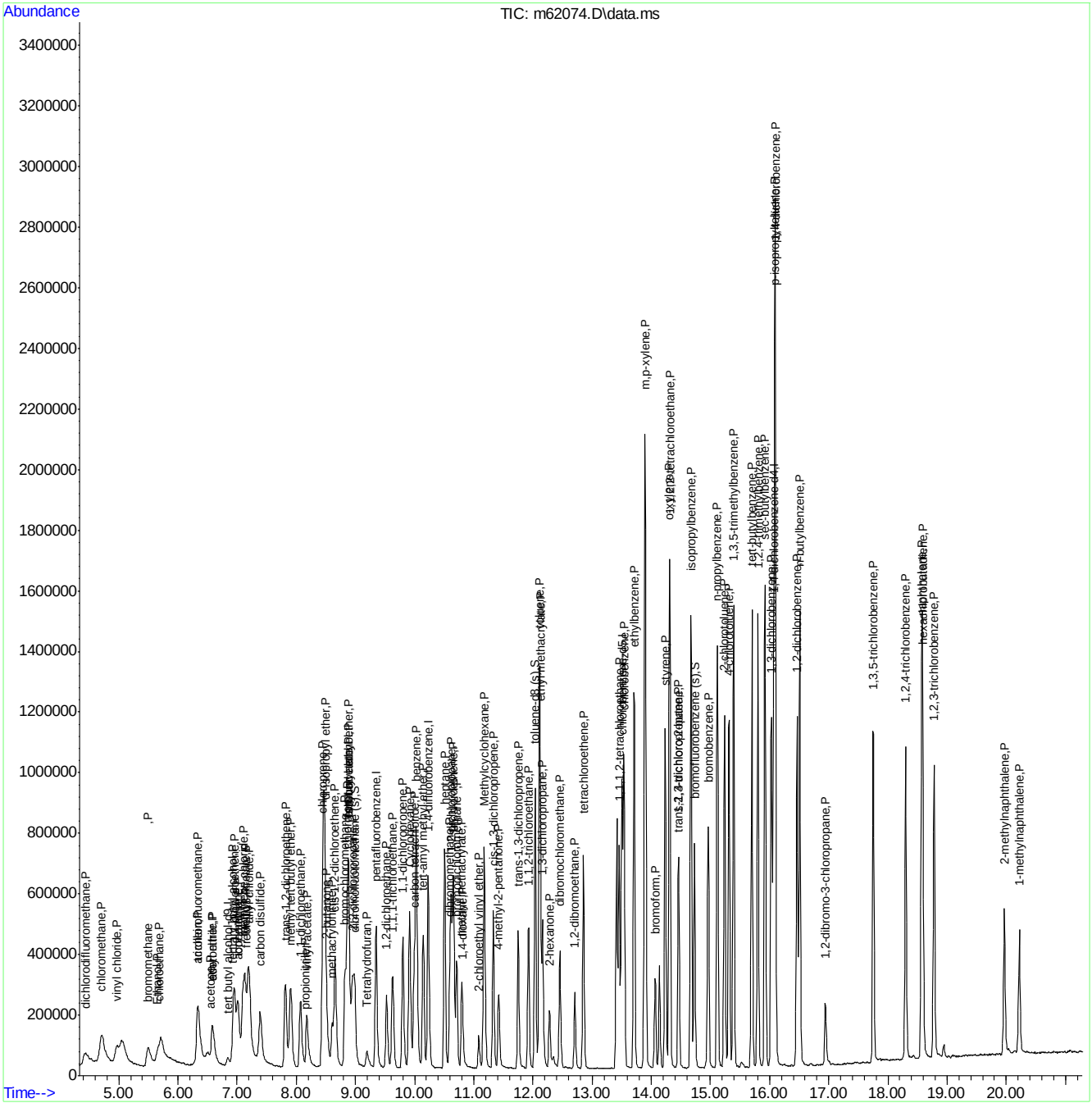
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	1087368	44.04	ug/kg	98
94) 1,4-dichlorobenzene	16.098	146	594988	43.71	ug/kg	98
95) 1,2-dichlorobenzene	16.462	146	596733	44.75	ug/kg	99
96) n-butylbenzene	16.509	91	914817	44.09	ug/kg	100
97) 1,2-dibromo-3-chloropr...	16.941	75	51039	40.30	ug/kg	98
98) 1,3,5-trichlorobenzene	17.756	180	419091	42.96	ug/kg	99
99) 1,2,4-trichlorobenzene	18.301	180	402752	43.35	ug/kg	99
100) hexachlorobutadiene	18.591	225	185921	42.95	ug/kg	94
101) naphthalene	18.571	128	1112739	43.28	ug/kg	100
102) 1,2,3-trichlorobenzene	18.780	180	393019	43.74	ug/kg	97
103) 2-methylnaphthalene	19.965	142	327994	22.09	ug/kg	98
104) 1-methylnaphthalene	20.221	TIC	932554	18.36	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62074.D
Acq On : 11 Dec 2013 7:18 pm
Operator : krystend
Sample : ICC2169-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

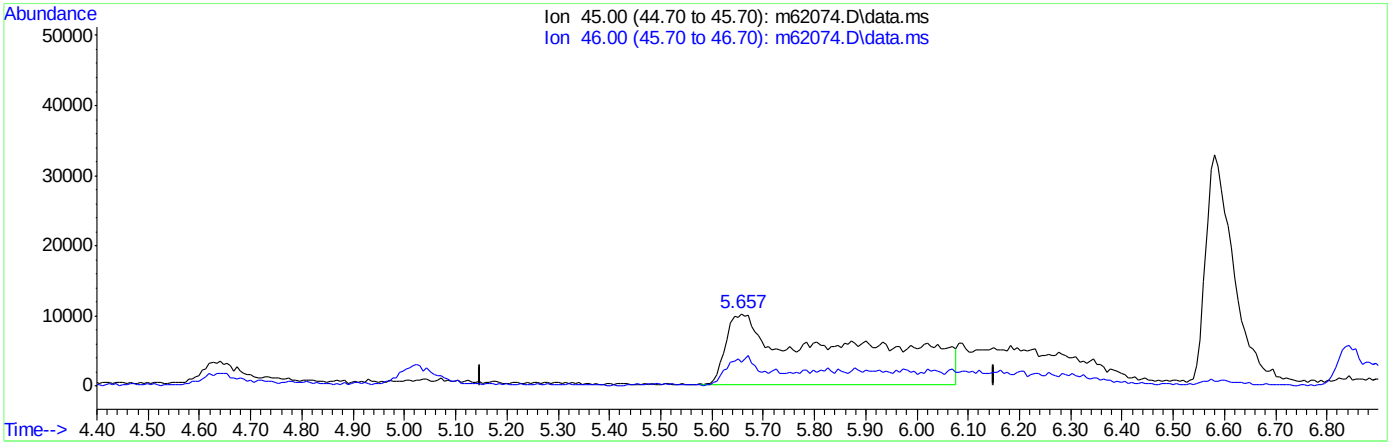
Quant Time: Dec 12 09:00:29 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:29:43 2013
Response via : Initial Calibration

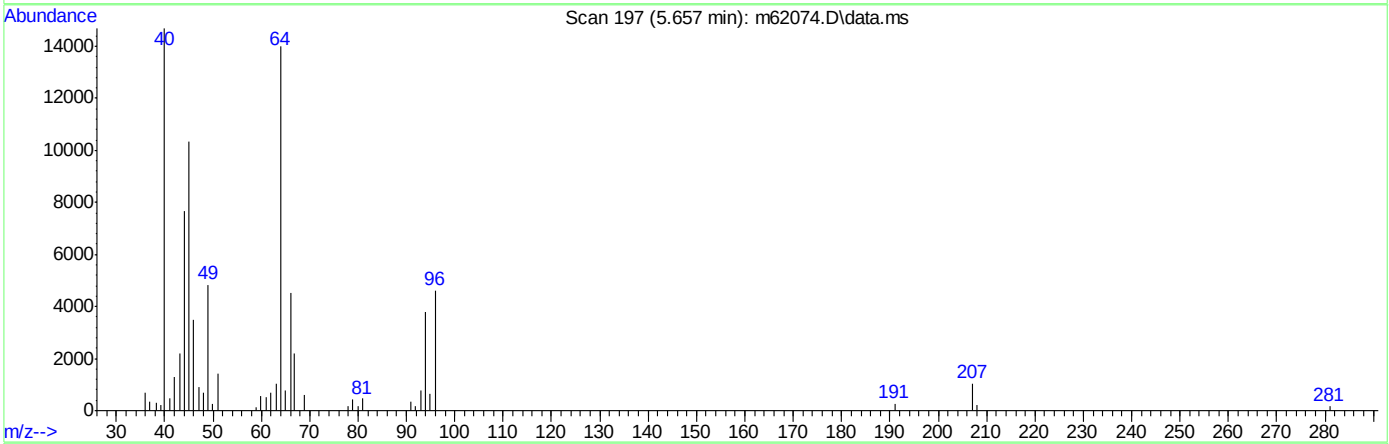


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62074.D
Acq On : 11 Dec 2013 7:18 pm
Operator : krystend
Sample : ICC2169-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 08:30:19 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:29:43 2013
Response via : Initial Calibration





TIC: m62074.D\data.ms

(3) Ethanol (P)

5.657min (+0.007) 4376.76ug/kg m

response 165886

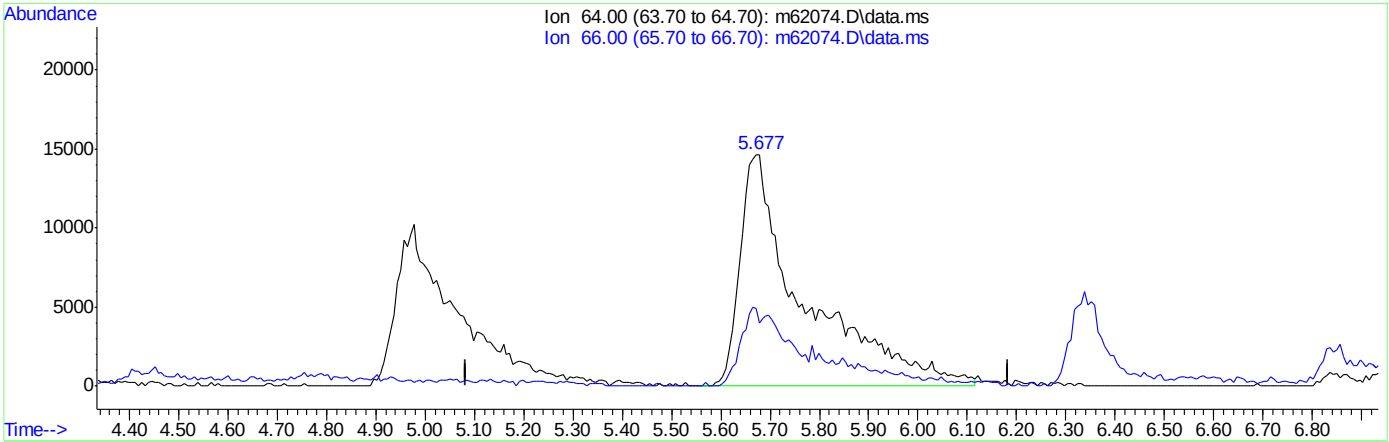
Ion	Exp%	Act%
45.00	100	100
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

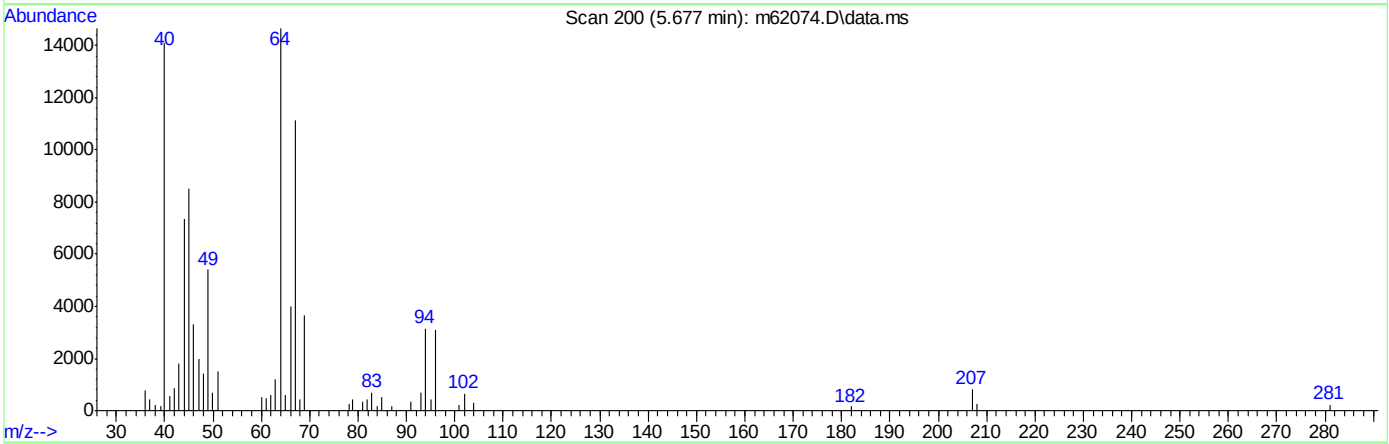
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62074.D
Acq On : 11 Dec 2013 7:18 pm
Operator : krystend
Sample : ICC2169-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 08:30:19 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:29:43 2013
Response via : Initial Calibration





TIC: m62074.D\data.ms

(9) chloroethane (P)

5.677min (+0.013) 47.32ug/kg m

response 132897

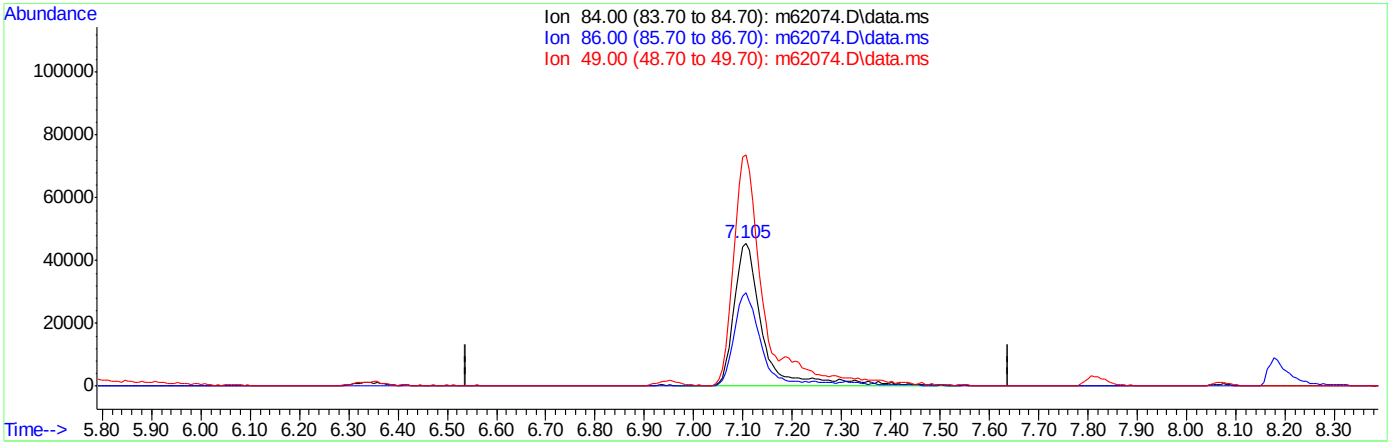
Ion	Exp%	Act%
64.00	100	100
66.00	28.60	27.31
0.00	0.00	0.00
0.00	0.00	0.00

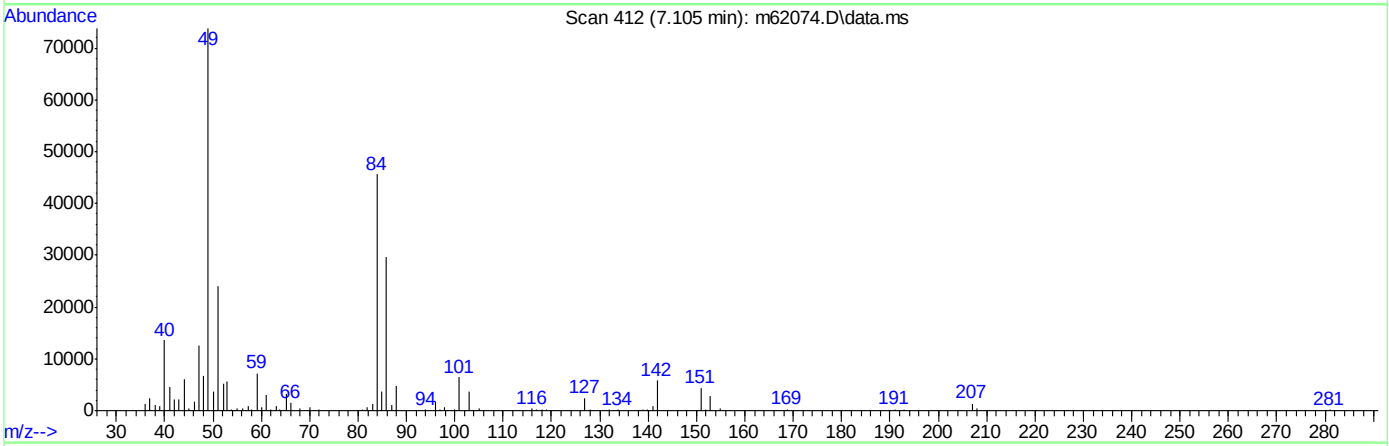
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62074.D
Acq On : 11 Dec 2013 7:18 pm
Operator : krystend
Sample : ICC2169-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 08:30:19 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:29:43 2013
Response via : Initial Calibration





TIC: m62074.D\data.ms

(18) methylene chloride (P)

7.105min (+0.006) 43.02ug/kg m

response 187377

Ion	Exp%	Act%
84.00	100	100
86.00	67.80	64.87
49.00	167.00	161.69
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26923

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62076.D
Acq On : 11 Dec 2013 8:17 pm
Operator : krystend
Sample : IC2169-2
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 12 08:31:55 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:31:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.829	65	135914	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	394739	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	634823	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	264300	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	314785	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	9211	2.32	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.64%#		
59) toluene-d8 (s)	12.043	98	30308	2.17	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.34%#		
81) bromofluorobenzene (s)	14.738	95	12186	2.18	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.36%#		
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.944	59	7216	15.06	ug/kg	99
3) Ethanol	5.684	45	6183	173.39	ug/kg#	40
5) dichlorodifluoromethane	4.445	85	7943	2.12	ug/kg	81
6) chloromethane	4.687	50	12190	2.02	ug/kg	87
7) vinyl chloride	4.970	62	11410	2.00	ug/kg	85
8) bromomethane ...	5.496	96	9317	2.52	ug/kg	78
10) ethyl ether	6.614	59	5798	1.82	ug/kg	84
12) trichlorofluoromethane	6.324	101	10422	1.56	ug/kg	98
13) freon-113	7.139	101	5091	1.60	ug/kg	92
14) acrolein	6.418	56	8521	9.33	ug/kg	94
15) 1,1-dichloroethene	6.951	96	10499	2.83	ug/kg	85
17) Methyl Acetate	7.260	43	5902	1.24	ug/kg#	39
18) methylene chloride	7.092	84	8037	1.91	ug/kg	88
19) methyl tert butyl ether	7.900	73	16928	1.98	ug/kg	97
21) allyl chloride	7.200	41	12687	1.71	ug/kg	87
22) trans-1,2-dichloroethene	7.806	96	9200	2.19	ug/kg	95
23) iodomethane	7.011	142	12545	1.75	ug/kg	99
24) carbon disulfide	7.388	76	18866	1.74	ug/kg	100
26) vinyl acetate	8.264	43	11169	1.28	ug/kg	81
27) chloroprene	8.446	53	11977	1.79	ug/kg	96
28) di-isopropyl ether	8.480	45	29844	1.79	ug/kg	91
29) methacrylonitrile	8.466	41	15638	5.58	ug/kg#	44
31) 1,1-dichloroethane	8.069	63	13647	1.85	ug/kg	96
32) tert-butyl ethyl ether	8.884	59	17402	1.67	ug/kg	91
34) 2,2-dichloropropane	8.951	77	8590	1.97	ug/kg	94
35) cis-1,2-dichloroethene	8.655	96	10750	2.21	ug/kg	88
38) chloroform	8.857	83	13705	1.90	ug/kg	87
41) 1,1,1-trichloroethane	9.632	97	11569	1.98	ug/kg	94
43) Cyclohexane	9.915	56	14226	1.86	ug/kg	93
44) carbon tetrachloride	9.995	117	11539	1.94	ug/kg	99
45) 1,1-dichloropropene	9.793	75	10421	1.99	ug/kg	88
46) benzene	10.029	78	31483	2.01	ug/kg	94
47) 1,2-dichloroethane	9.524	62	10506	1.95	ug/kg	91
48) tert-amyl methyl ether	10.144	73	15485	1.96	ug/kg	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62076.D
Acq On : 11 Dec 2013 8:17 pm
Operator : krystend
Sample : IC2169-2
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 12 08:31:55 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:31:45 2013
Response via : Initial Calibration

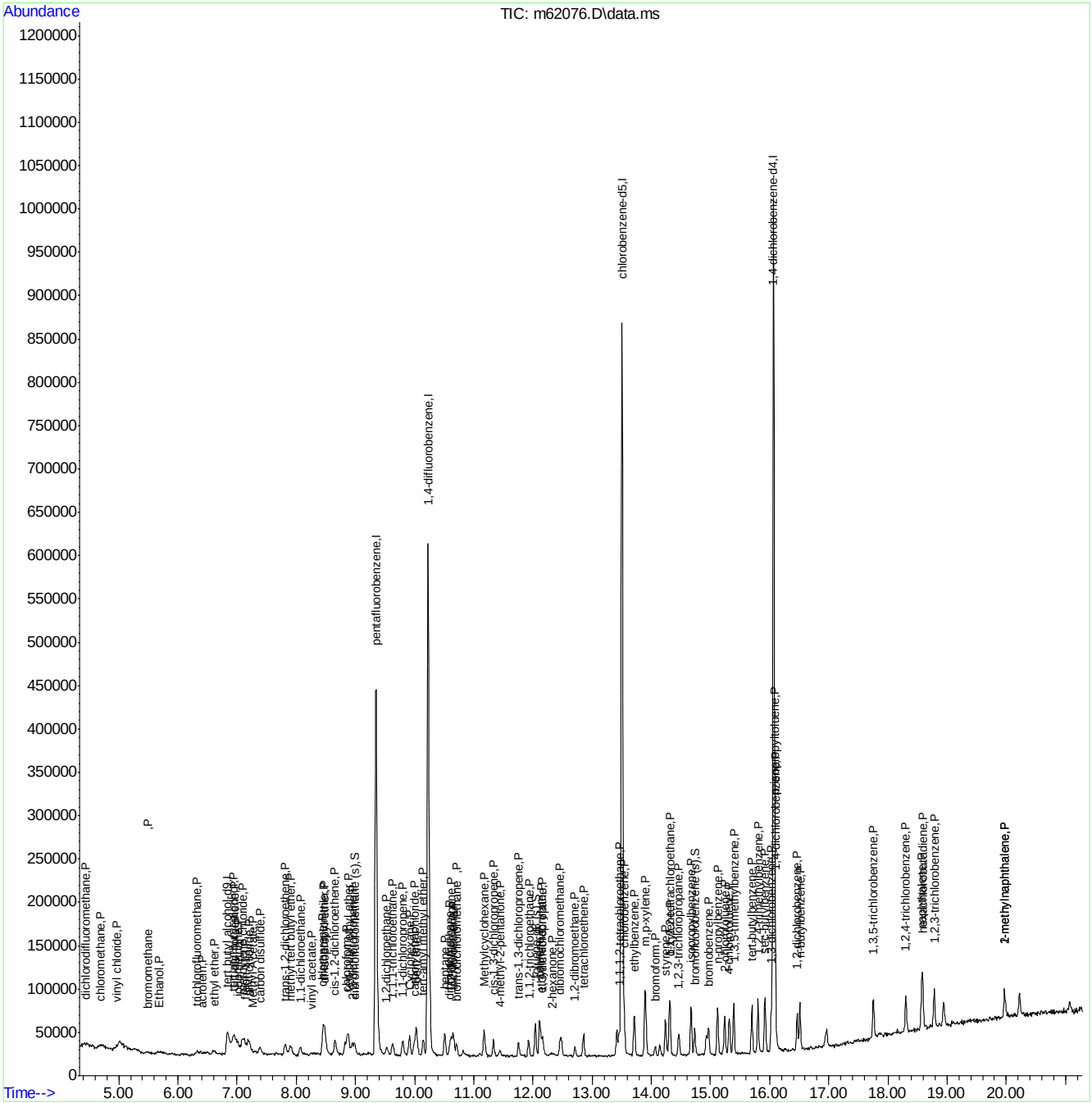
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) heptane	10.507	43	17900	2.14	ug/kg	95
50) trichloroethene	10.656	95	8488	1.70	ug/kg	96
51) 1,2-dichloropropane	10.622	63	9143	1.93	ug/kg	100
52) dibromomethane	10.595	93	5589	2.02	ug/kg	85
53) bromodichloromethane	10.709	83	10298	1.82	ug/kg	89
54) Methylcyclohexane	11.181	83	12926	1.80	ug/kg	92
58) cis-1,3-dichloropropene	11.336	75	12492	1.85	ug/kg	99
60) 4-methyl-2-pentanone	11.444	43	10503	1.99	ug/kg#	47
61) toluene	12.111	92	19925	1.84	ug/kg	96
62) trans-1,3-dichloropropene	11.754	75	9567	1.71	ug/kg	96
63) 1,1,2-trichloroethane	11.935	83	5318	1.67	ug/kg#	81
64) ethyl methacrylate	12.138	69	7947	1.56	ug/kg	97
66) tetrachloroethene	12.858	166	9237	1.84	ug/kg	93
67) 1,3-dichloropropane	12.165	76	10881	1.95	ug/kg	98
68) dibromochloromethane	12.461	129	10238	2.02	ug/kg	94
69) 1,2-dibromoethane	12.710	107	8013	2.03	ug/kg	99
70) 2-hexanone	12.333	43	10947	2.65	ug/kg#	60
71) chlorobenzene	13.539	112	25975	1.93	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.458	131	9400	1.94	ug/kg	93
73) ethylbenzene	13.714	91	39469	2.00	ug/kg	99
74) m,p-xylene	13.896	106	32502	3.88	ug/kg	96
75) o-xylene	14.313	106	15828	1.86	ug/kg	96
76) styrene	14.239	104	25765	1.91	ug/kg	90
77) bromoform	14.071	173	6529	1.93	ug/kg	90
80) isopropylbenzene	14.670	105	41232	1.76	ug/kg	99
82) bromobenzene	14.974	156	11880	1.92	ug/kg	92
83) 1,1,2,2-tetrachloroethane	14.313	83	9339	1.71	ug/kg	98
84) 1,2,3-trichloropropane	14.462	75	10193	1.76	ug/kg	95
85) n-propylbenzene	15.122	91	45323	1.77	ug/kg	96
86) 2-chlorotoluene	15.243	91	28317	1.80	ug/kg	98
87) 4-chlorotoluene	15.317	91	25711	1.65	ug/kg	98
88) 1,3,5-trimethylbenzene	15.398	105	35397	1.82	ug/kg	94
89) tert-butylbenzene	15.701	91	19023	1.79	ug/kg	86
90) 1,2,4-trimethylbenzene	15.802	105	35965	1.87	ug/kg	96
91) sec-butylbenzene	15.923	105	47461	1.78	ug/kg	100
92) 1,3-dichlorobenzene	16.031	146	23019	1.83	ug/kg	96
93) p-isopropyltoluene	16.092	119	41017	1.76	ug/kg	97
94) 1,4-dichlorobenzene	16.099	146	24704	1.93	ug/kg	99
95) 1,2-dichlorobenzene	16.469	146	22294	1.78	ug/kg	99
96) n-butylbenzene	16.516	91	34924	1.79	ug/kg	99
98) 1,3,5-trichlorobenzene	17.756	180	16246	1.78	ug/kg	96
99) 1,2,4-trichlorobenzene	18.301	180	16275	1.88	ug/kg	94
100) hexachlorobutadiene	18.591	225	7906	1.94	ug/kg	97
101) naphthalene	18.578	128	50922	2.13	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	16911	2.02	ug/kg	98
103) 2-methylnaphthalene	19.972	142	21688	1.57	ug/kg	95
104) 1-methylnaphthalene	19.972	TIC	80026	1.70	ug/kg	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62076.D
Acq On : 11 Dec 2013 8:17 pm
Operator : krystend
Sample : IC2169-2
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 12 08:31:55 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:31:45 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC26923

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/12/13 11:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 11:10:53 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	126515	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	401156	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	640694	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	281572	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	335156	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	187617	52.24	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.48%			
59) toluene-d8 (s)	12.037	98	708442	49.92	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.84%			
81) bromofluorobenzene (s)	14.731	95	271103	51.68	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.36%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.924	59	267005	617.93	ug/kg	99
3) Ethanol	5.644	45	179581	5538.76	ug/kg	98
5) dichlorodifluoromethane	4.451	85	159901	41.99	ug/kg	99
6) chloromethane	4.714	50	303434	52.20	ug/kg	97
7) vinyl chloride	4.977	62	238157	42.41	ug/kg	95
8) bromomethane ...	5.502	96	175224	47.39	ug/kg	90
9) chloroethane	5.671	64	141509m	51.93	ug/kg	
10) ethyl ether	6.580	59	195071	61.87	ug/kg	96
11) acetonitrile	6.573	41	52696	52.16	ug/kg	89
12) trichlorofluoromethane	6.344	101	316504	48.71	ug/kg	95
13) freon-113	7.153	101	200556m	64.01	ug/kg	
14) acrolein	6.358	56	33637	36.79	ug/kg	94
15) 1,1-dichloroethene	6.944	96	232239	62.09	ug/kg	99
16) acetone	6.472	58	43399m	57.67	ug/kg	
17) Methyl Acetate	7.126	43	243713	51.69	ug/kg	94
18) methylene chloride	7.099	84	250129	61.02	ug/kg	96
19) methyl tert butyl ether	7.907	73	473865	55.78	ug/kg	100
20) acrylonitrile	6.998	53	182835	98.73	ug/kg	91
21) allyl chloride	7.193	41	437139	59.47	ug/kg	98
22) trans-1,2-dichloroethene	7.806	96	247092	59.33	ug/kg	97
23) iodomethane	7.005	142	440408m	62.07	ug/kg	
24) carbon disulfide	7.389	76	639308m	59.71	ug/kg	
25) propionitrile	8.156	54	35014	55.78	ug/kg	100
26) vinyl acetate	8.170	43	447216	50.98	ug/kg	99
27) chloroprene	8.439	53	410775	62.05	ug/kg	100
28) di-isopropyl ether	8.480	45	901173	55.38	ug/kg	95
29) methacrylonitrile	8.601	41	155874	54.58	ug/kg	95
30) 2-butanone	8.493	72	41397m	65.84	ug/kg	
31) 1,1-dichloroethane	8.069	63	431279	59.46	ug/kg	100
32) tert-butyl ethyl ether	8.884	59	598902	58.75	ug/kg	99
33) isobutyl alcohol	8.884	43	105721m	235.87	ug/kg	
34) 2,2-dichloropropane	8.945	77	251737	58.85	ug/kg	97
35) cis-1,2-dichloroethene	8.655	96	272475	56.49	ug/kg	92
36) ethyl acetate	8.884	43	142134m	47.87	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 11:10:53 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	153438	57.71	ug/kg	95
38) chloroform	8.864	83	401922	56.48	ug/kg	99
40) Tetrahydrofuran	9.194	42	90667	50.37	ug/kg	100
41) 1,1,1-trichloroethane	9.625	97	330202	57.23	ug/kg	97
43) Cyclohexane	9.915	56	426693	57.61	ug/kg	98
44) carbon tetrachloride	9.995	117	350312	59.50	ug/kg	99
45) 1,1-dichloropropene	9.800	75	301062	58.65	ug/kg	99
46) benzene	10.029	78	938437	55.32	ug/kg	98
47) 1,2-dichloroethane	9.524	62	303176	56.80	ug/kg	98
48) tert-amyl methyl ether	10.144	73	459449	58.43	ug/kg	98
49) heptane	10.507	43	448076	53.94	ug/kg	99
50) trichloroethene	10.656	95	266511	54.42	ug/kg	96
51) 1,2-dichloropropane	10.622	63	264810	56.41	ug/kg	100
52) dibromomethane	10.595	93	158772	57.47	ug/kg	96
53) bromodichloromethane	10.710	83	323421	57.98	ug/kg	99
54) Methylcyclohexane	11.174	83	421144	60.53	ug/kg	98
55) 2-chloroethyl vinyl ether	11.080	63	73157	59.48	ug/kg	95
56) methyl methacrylate	10.797	69	151498	55.96	ug/kg	97
57) 1,4-dioxane	10.797	88	11085	273.77	ug/kg	75
58) cis-1,3-dichloropropene	11.329	75	374292	55.62	ug/kg	97
60) 4-methyl-2-pentanone	11.417	43	294756	55.94	ug/kg	99
61) toluene	12.111	92	623468	58.45	ug/kg	96
62) trans-1,3-dichloropropene	11.747	75	338166	61.61	ug/kg	99
63) 1,1,2-trichloroethane	11.922	83	179180	57.48	ug/kg	96
64) ethyl methacrylate	12.124	69	285124	57.21	ug/kg	98
66) tetrachloroethene	12.852	166	295824	56.90	ug/kg	96
67) 1,3-dichloropropane	12.158	76	344179	59.18	ug/kg	99
68) dibromochloromethane	12.454	129	318119m	59.94	ug/kg	
69) 1,2-dibromoethane	12.710	107	244462	58.80	ug/kg	91
70) 2-hexanone	12.279	43	304775	67.51	ug/kg	99
71) chlorobenzene	13.539	112	789717	56.75	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.458	131	305466	60.75	ug/kg	98
73) ethylbenzene	13.707	91	1193212	58.11	ug/kg	100
74) m,p-xylene	13.896	106	1019575	116.65	ug/kg	98
75) o-xylene	14.307	106	508808	57.71	ug/kg	99
76) styrene	14.233	104	841480	59.95	ug/kg	98
77) bromoform	14.064	173	211330m	59.95	ug/kg	
78) trans-1,4-dichloro-2-b...	14.455	53	99552	58.66	ug/kg	98
80) isopropylbenzene	14.671	105	1306102	54.03	ug/kg	99
82) bromobenzene	14.967	156	362227	56.28	ug/kg	99
83) 1,1,2,2-tetrachloroethane	14.313	83	328151	58.01	ug/kg	94
84) 1,2,3-trichloropropane	14.462	75	343565	56.68	ug/kg	98
85) n-propylbenzene	15.115	91	1383497	52.12	ug/kg	99
86) 2-chlorotoluene	15.236	91	863608	53.16	ug/kg	97
87) 4-chlorotoluene	15.310	91	894483	55.82	ug/kg	96
88) 1,3,5-trimethylbenzene	15.391	105	1105386	54.57	ug/kg	95
89) tert-butylbenzene	15.701	91	578866	52.76	ug/kg	99
90) 1,2,4-trimethylbenzene	15.802	105	1090704	54.43	ug/kg	98
91) sec-butylbenzene	15.923	105	1487963	53.92	ug/kg	100
92) 1,3-dichlorobenzene	16.031	146	732046	56.25	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 11:10:53 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

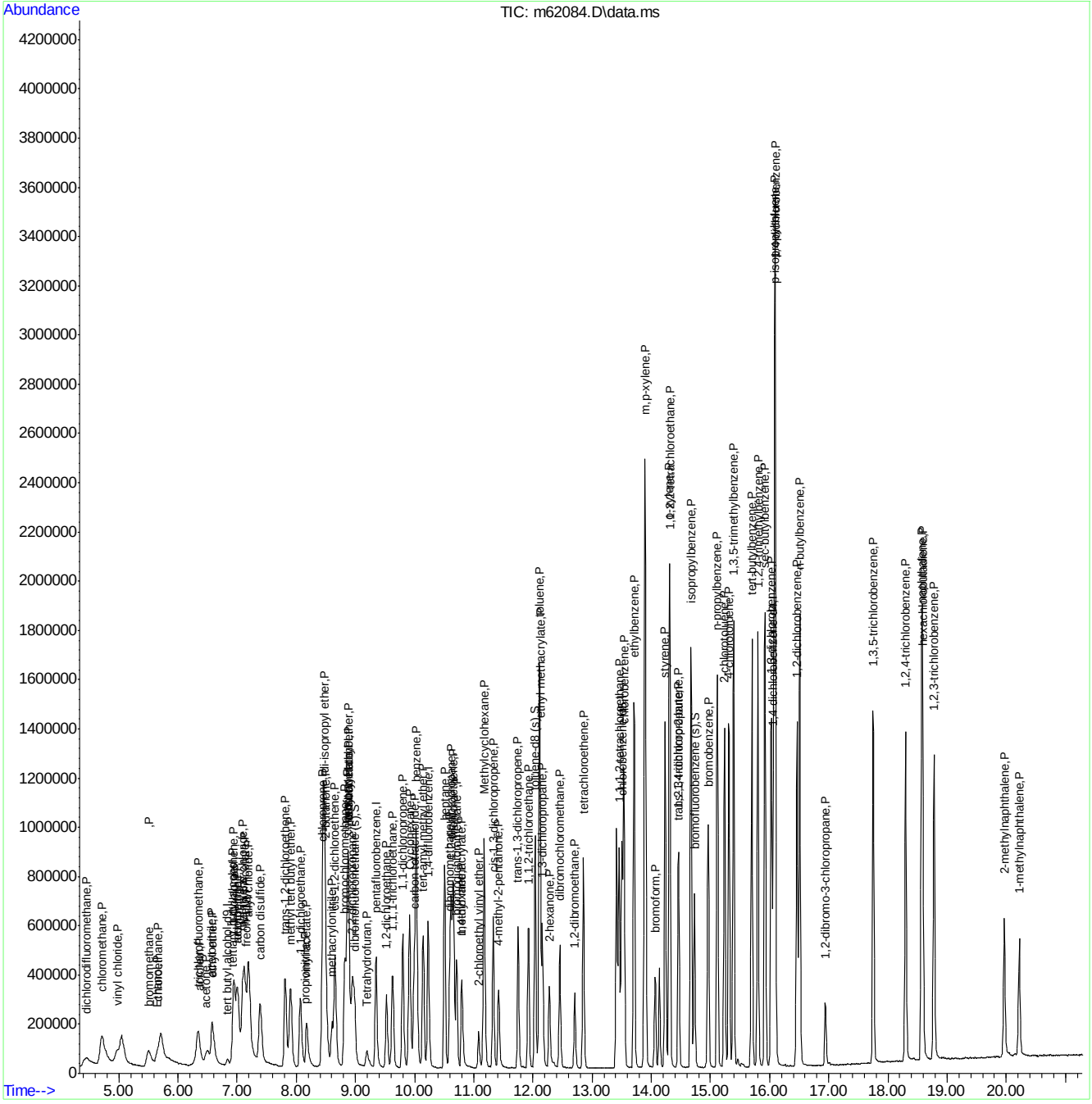
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	1333020	55.57	ug/kg	98
94) 1,4-dichlorobenzene	16.099	146	764778	57.43	ug/kg	98
95) 1,2-dichlorobenzene	16.462	146	726509	56.07	ug/kg	99
96) n-butylbenzene	16.510	91	1127118	55.85	ug/kg	100
97) 1,2-dibromo-3-chloropr...	16.941	75	63315	51.24	ug/kg	96
98) 1,3,5-trichlorobenzene	17.749	180	539075	56.94	ug/kg	100
99) 1,2,4-trichlorobenzene	18.301	180	527216	58.31	ug/kg	94
100) hexachlorobutadiene	18.591	225	238034	56.41	ug/kg	100
101) naphthalene	18.571	128	1396234	54.76	ug/kg	100
102) 1,2,3-trichlorobenzene	18.780	180	501191	56.77	ug/kg	100
103) 2-methylnaphthalene	19.965	142	398268	27.69	ug/kg	99
104) 1-methylnaphthalene	20.221	TIC	1129754	27.23	ug/kg	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

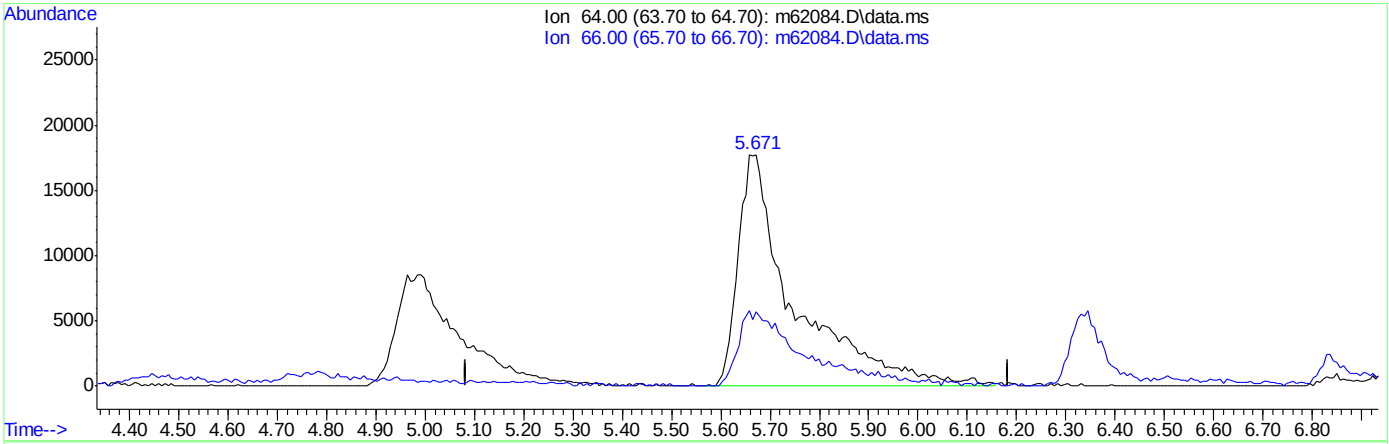
Quant Time: Dec 12 11:10:53 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

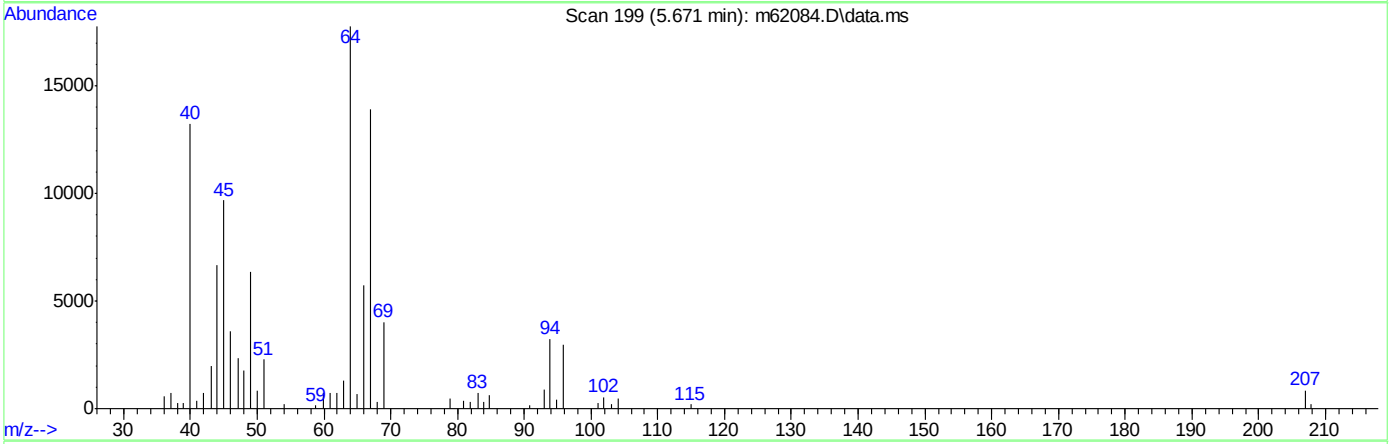


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2170,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:24:23 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(9) chloroethane (P)

5.671min (+0.007) 51.93ug/kg m

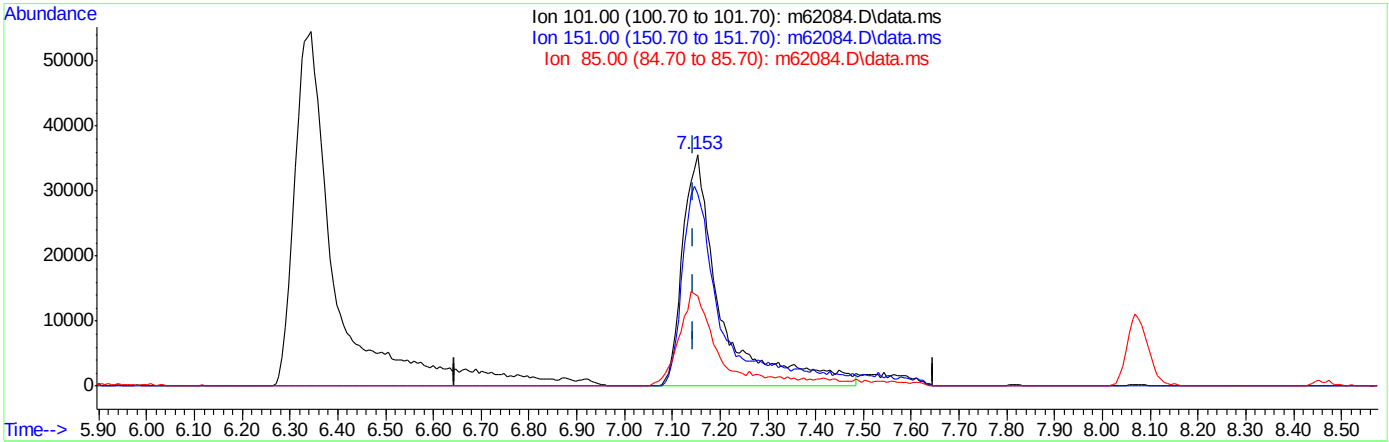
response 141509

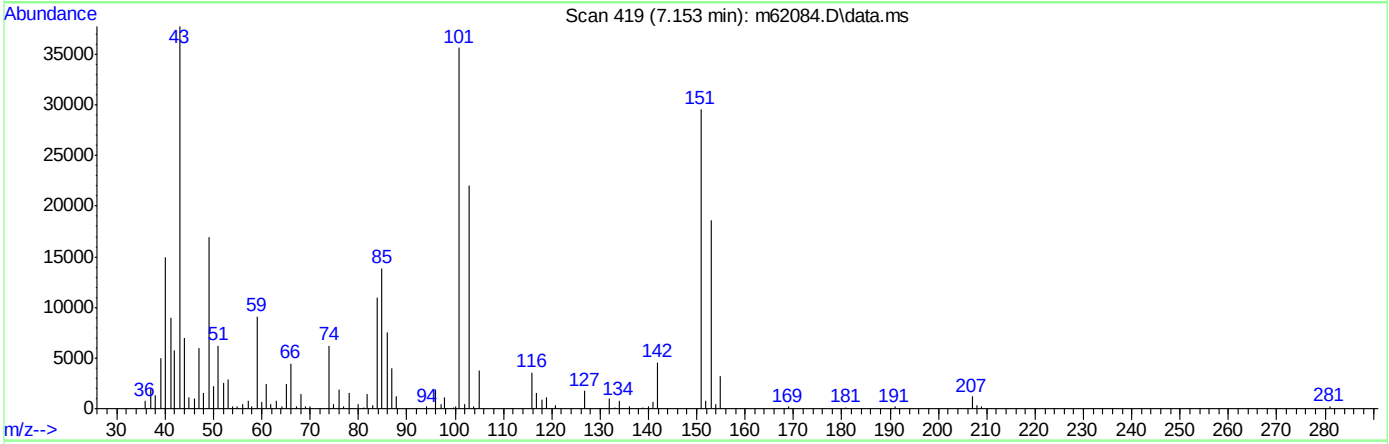
Ion	Exp%	Act%
64.00	100	100
66.00	28.60	32.28
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2170,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:24:23 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(13) freon-113 (P)

7.153min (+0.007) 64.01ug/kg m

response 200556

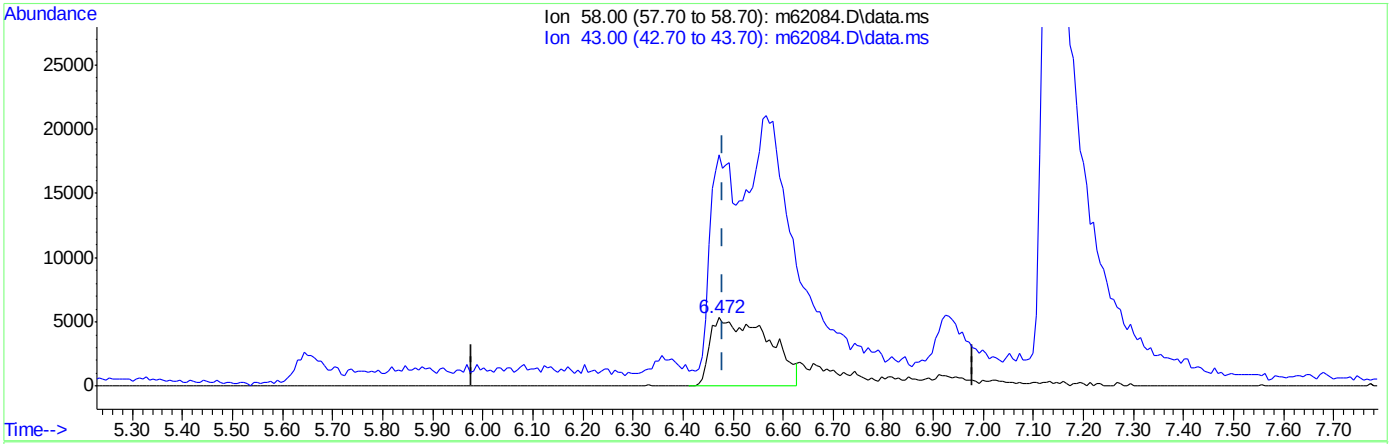
Ion	Exp%	Act%
101.00	100	100
151.00	91.00	83.00
85.00	39.40	38.90
0.00	0.00	0.00

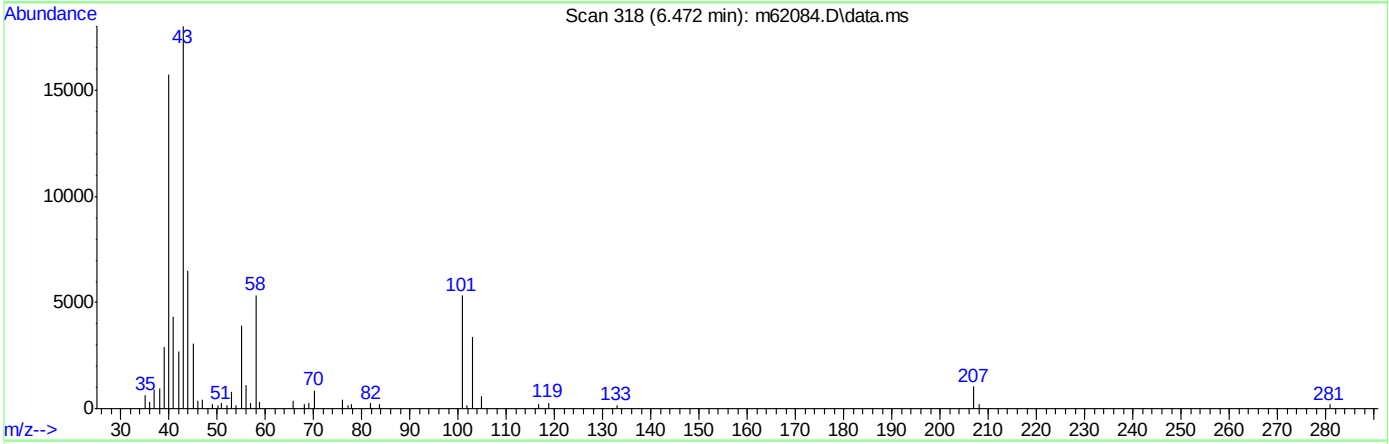
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2170,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:24:23 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(16) acetone (P)

6.472min (-0.007) 57.67ug/kg m

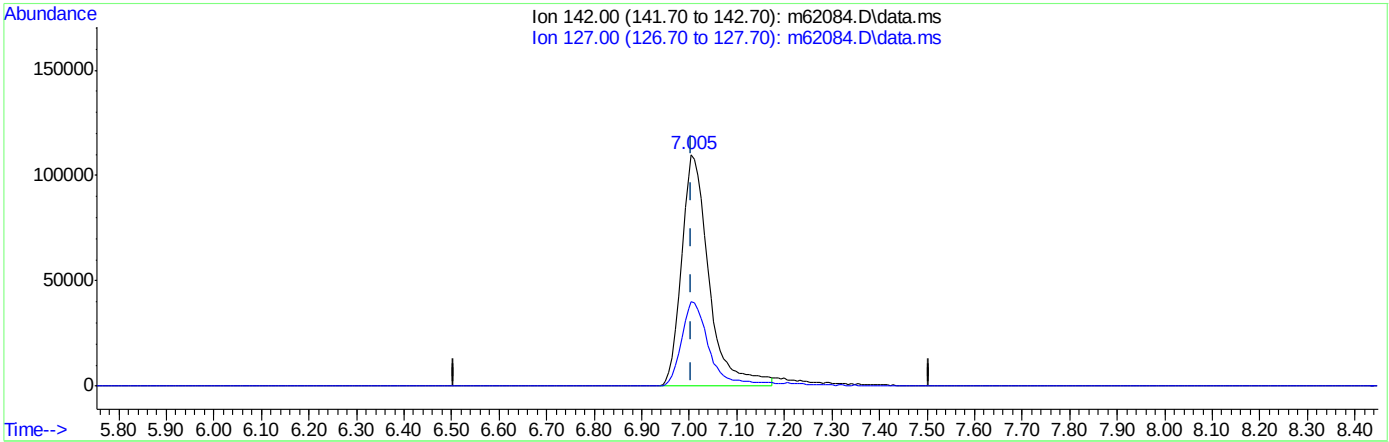
response 43399

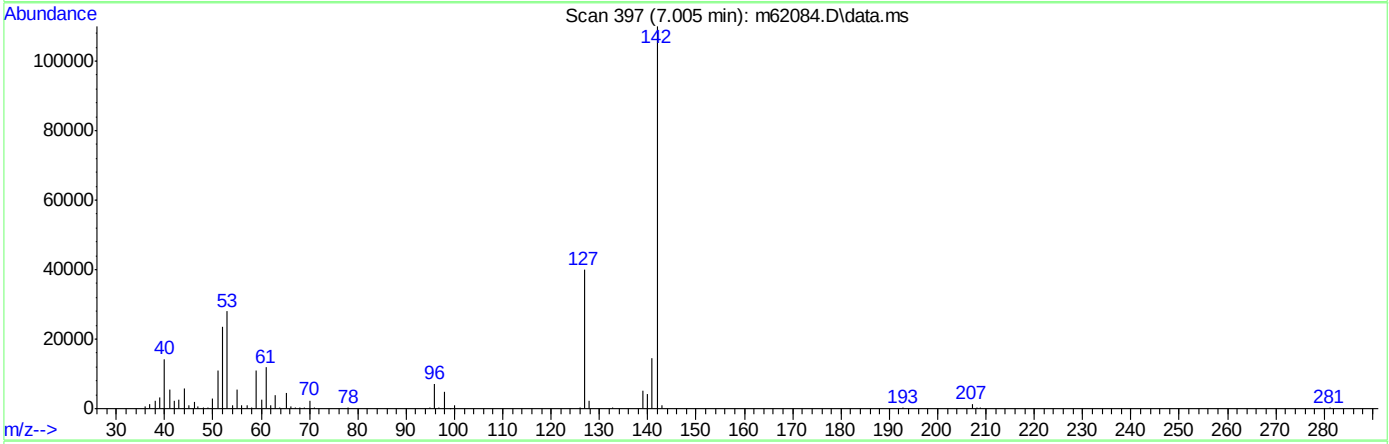
Ion	Exp%	Act%
58.00	100	100
43.00	301.70	337.09#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2170,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:24:23 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(23) iodomethane (P)

7.005min (+0.001) 62.07ug/kg m

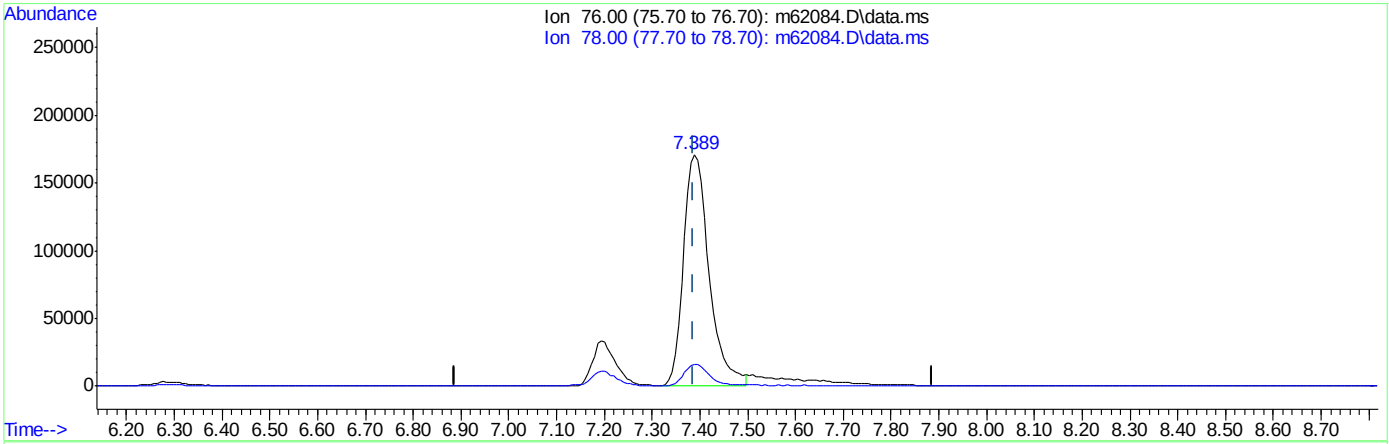
response 440408

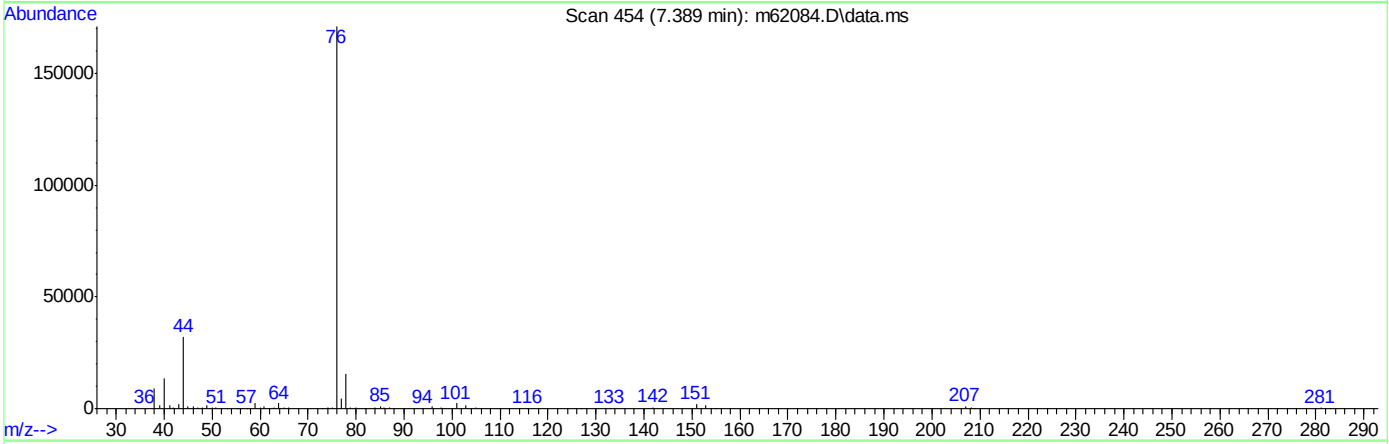
Ion	Exp%	Act%
142.00	100	100
127.00	33.40	36.30
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2170,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:24:23 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(24) carbon disulfide (P)

7.389min (+0.001) 60.03ug/kg m

response 642698

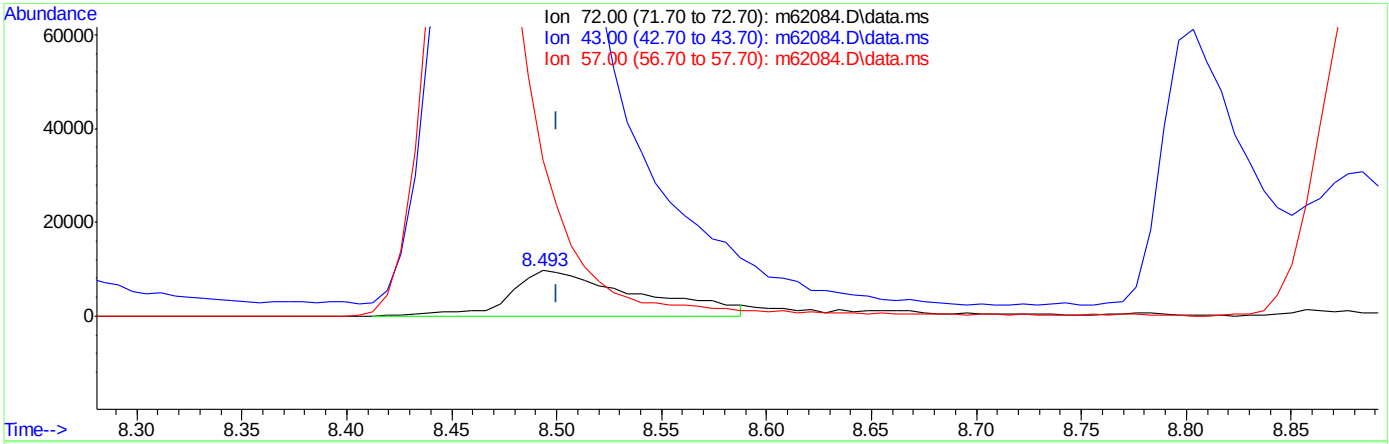
Ion	Exp%	Act%
76.00	100	100
78.00	9.20	9.14
0.00	0.00	0.00
0.00	0.00	0.00

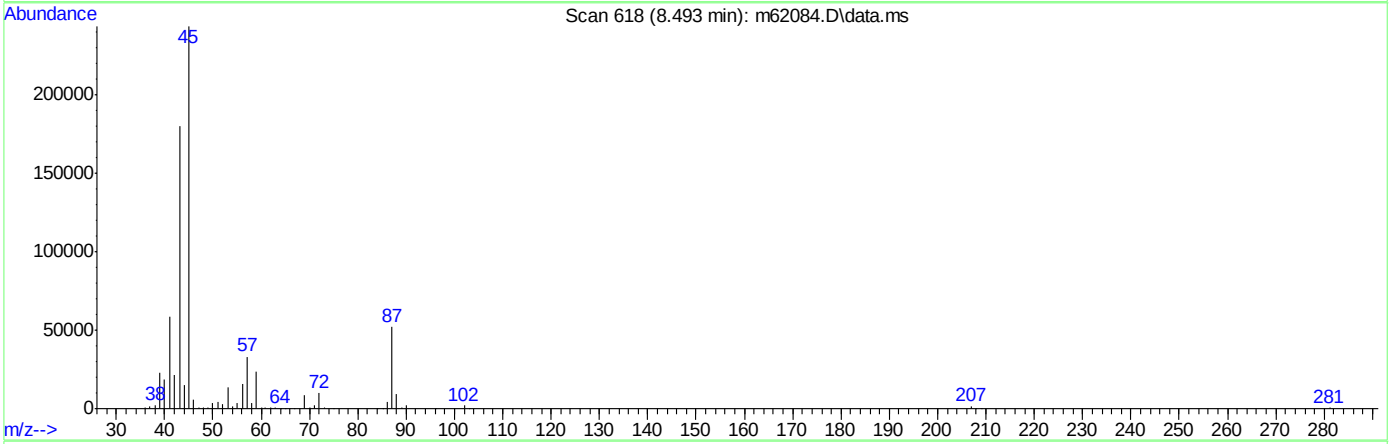
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2170,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:24:23 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(30) 2-butanone (P)

8.493min (-0.007) 65.84ug/kg m

response 41397

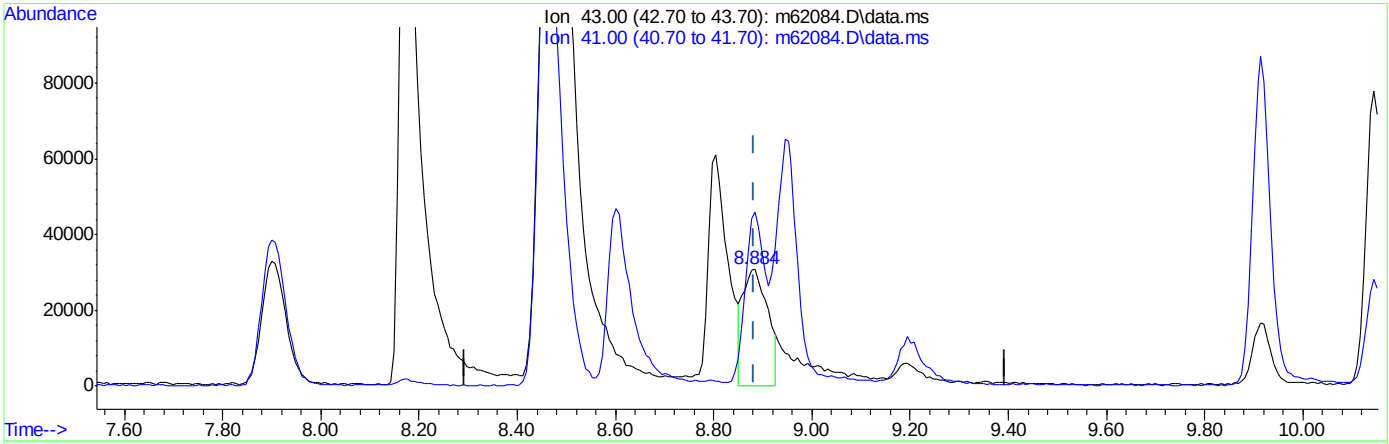
Ion	Exp%	Act%
72.00	100	100
43.00	1506.20	1850.60#
57.00	189.40	341.30#
0.00	0.00	0.00

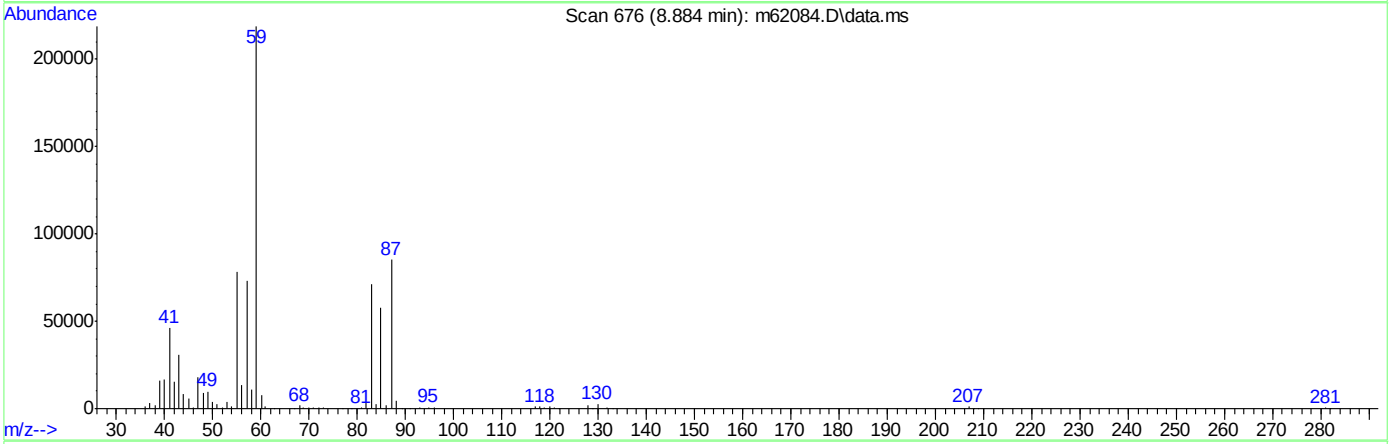
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2170,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:24:23 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(33) isobutyl alcohol (P)

8.884min (-0.000) 235.87ug/kg m

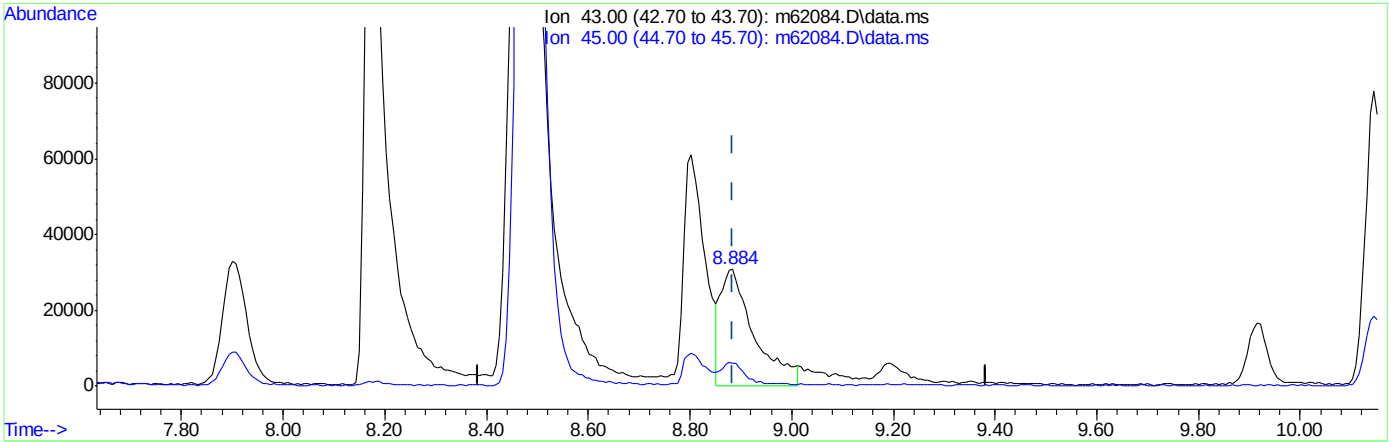
response 105721

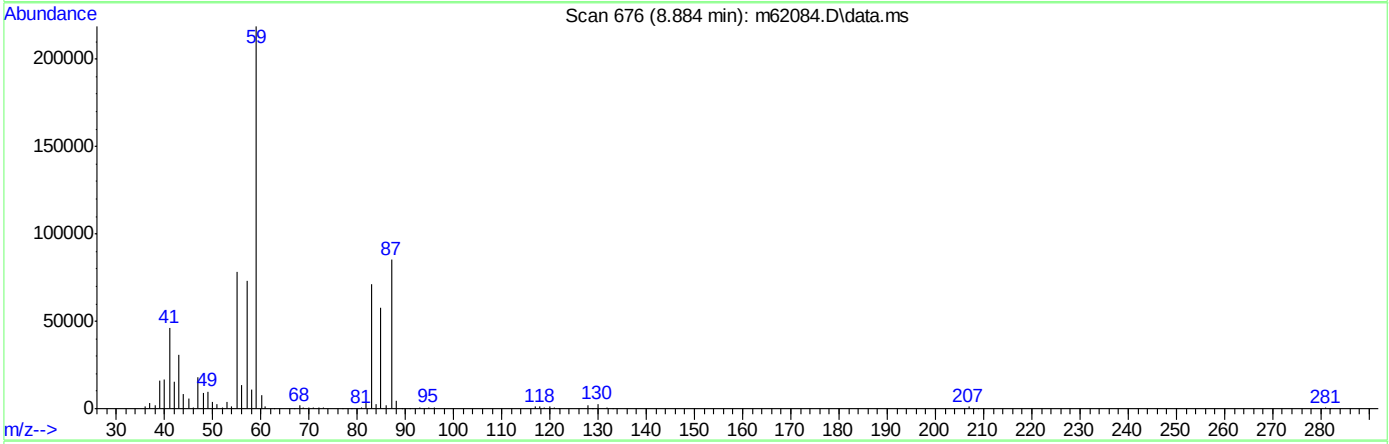
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	149.09
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2170,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:24:23 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(36) ethyl acetate (P)

8.884min (-0.000) 47.87ug/kg m

response 142134

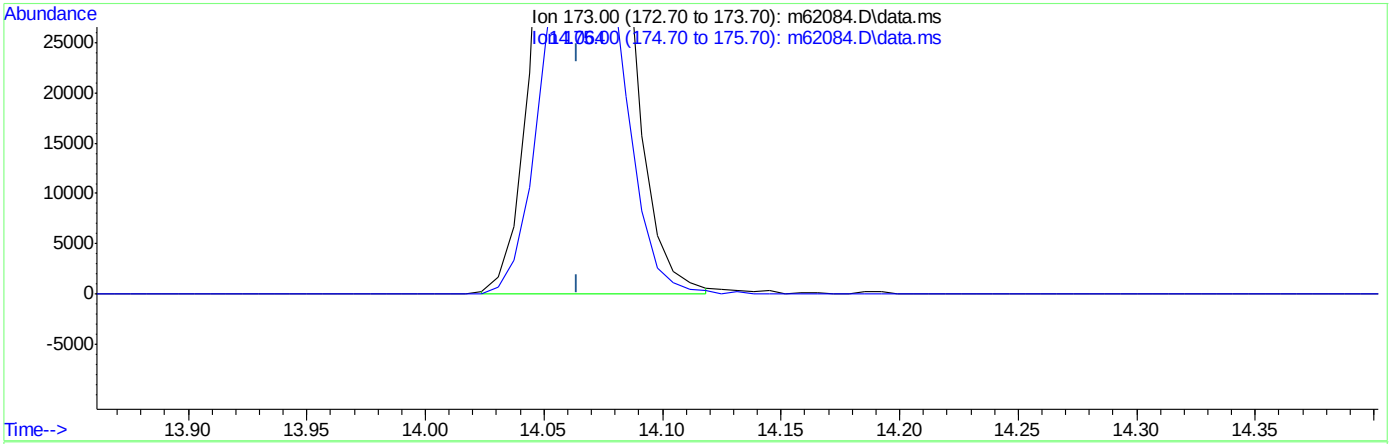
Ion	Exp%	Act%
43.00	100	100
45.00	22.10	19.69
0.00	0.00	0.00
0.00	0.00	0.00

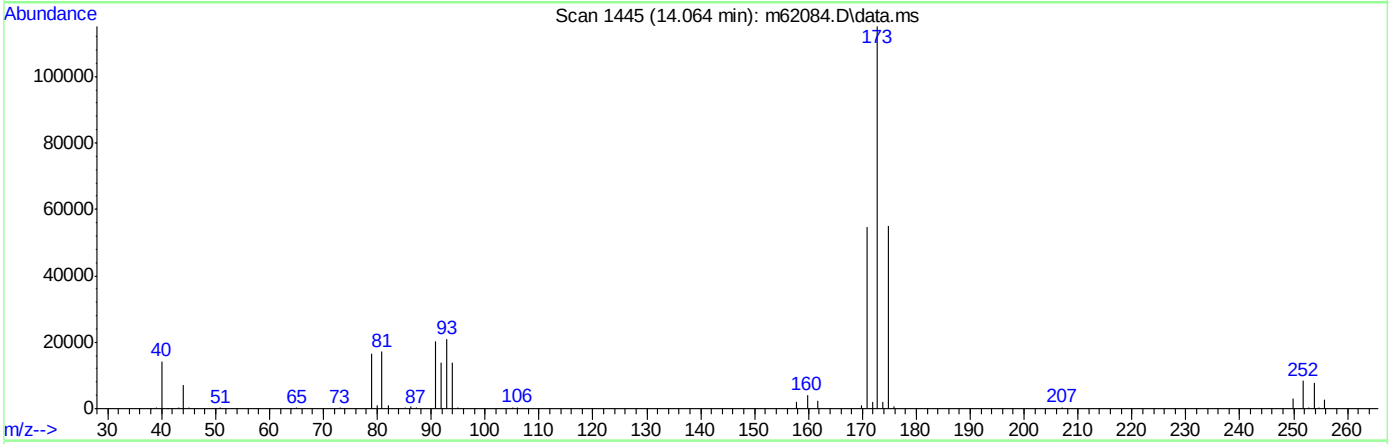
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : ICV2167-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:26:28 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(77) bromoform (P)

14.064min (+0.000) 59.95ug/kg m

response 211330

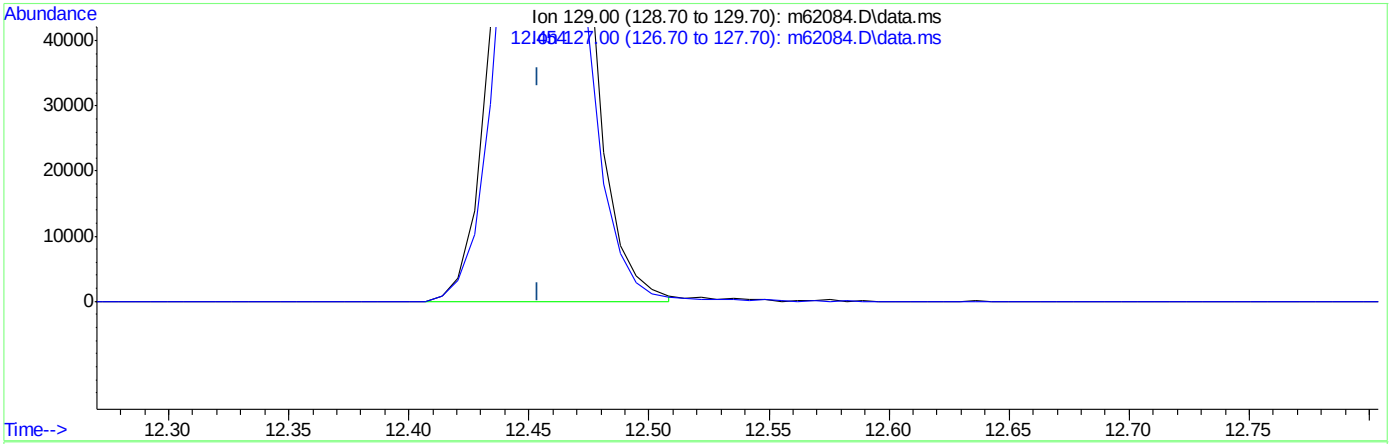
Ion	Exp%	Act%
173.00	100	100
175.00	47.80	47.83
0.00	0.00	0.00
0.00	0.00	0.00

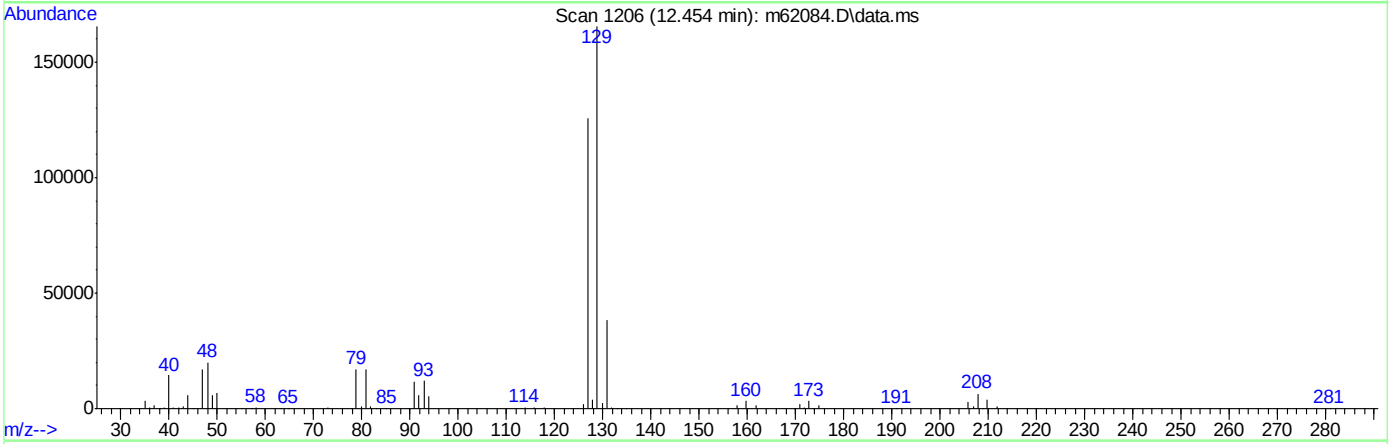
M62084.D edits: bromoform

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : ICV2167-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:26:28 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(68) dibromochloromethane (P)

12.454min (+0.000) 59.94ug/kg m

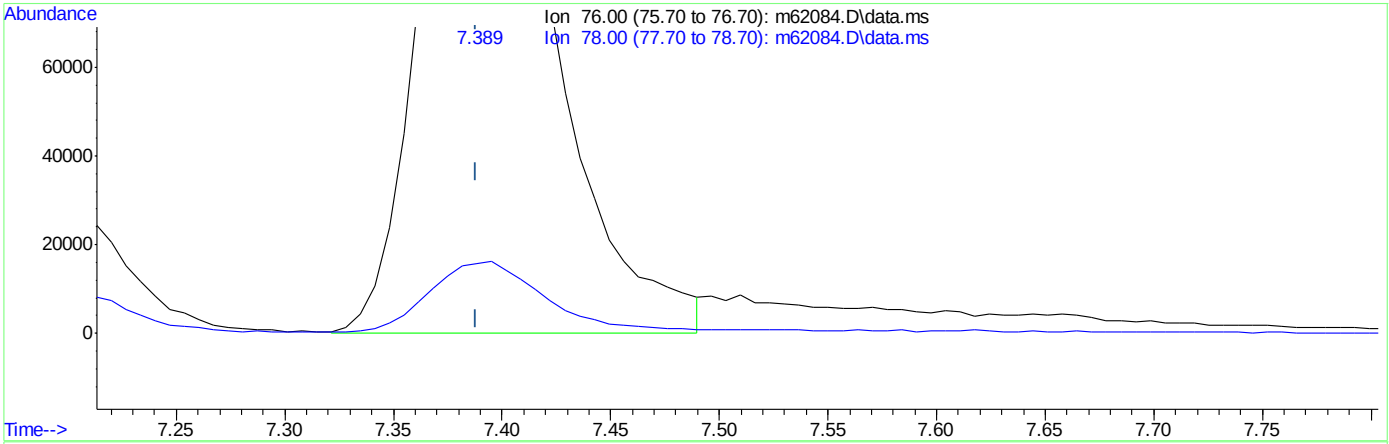
response 318119

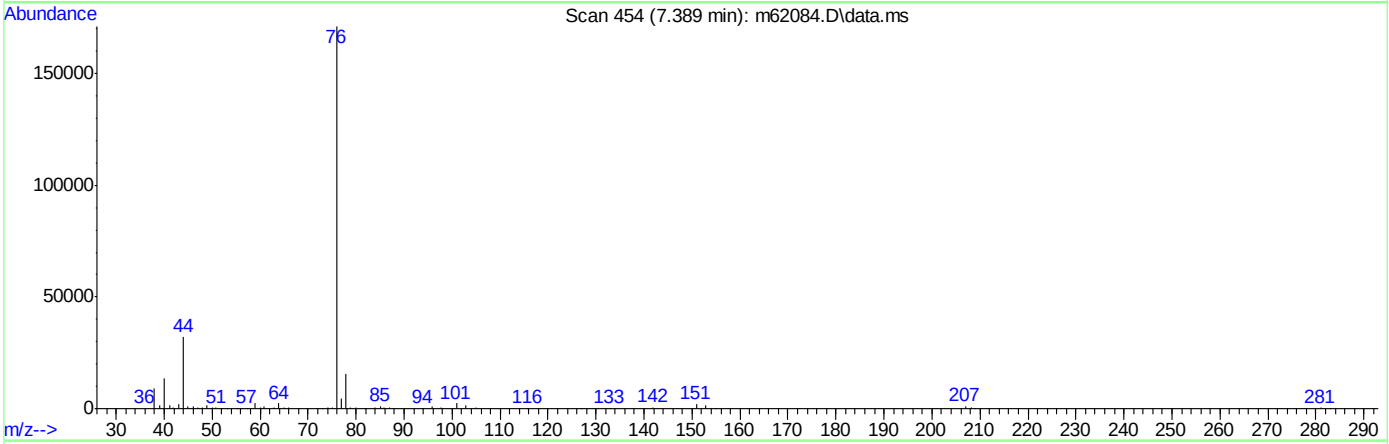
Ion	Exp%	Act%
129.00	100	100
127.00	78.00	75.99
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : ICV2167-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 11:09:52 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(24) carbon disulfide (P)

7.389min (+0.001) 59.71ug/kg m

response 639308

Ion	Exp%	Act%
76.00	100	100
78.00	9.20	9.14
0.00	0.00	0.00
0.00	0.00	0.00

M62084.D edits: carbon disulfide

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/16/13 10:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:02:34 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.850	65	112454	500.00	ug/kg	0.01
4) pentafluorobenzene	9.349	168	325567	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	509875	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	226042	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	277065	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	152489	52.33	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.66%			
59) toluene-d8 (s)	12.037	98	560288	49.37	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.74%			
81) bromofluorobenzene (s)	14.731	95	221359	50.98	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.96%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	237053	617.21	ug/kg	100
3) Ethanol	5.671	45	134764m	4676.20	ug/kg	
5) dichlorodifluoromethane	4.445	85	140256	45.39	ug/kg	97
6) chloromethane	4.707	50	191999	40.70	ug/kg	99
7) vinyl chloride	4.970	62	194759	42.73	ug/kg	90
8) bromomethane ...	5.502	96	128460	42.80	ug/kg	95
9) chloroethane	5.671	64	100775m	45.57	ug/kg	
10) ethyl ether	6.580	59	134108	52.41	ug/kg	95
11) acetonitrile	6.587	41	40995	50.00	ug/kg	86
12) trichlorofluoromethane	6.338	101	276242	52.38	ug/kg	97
13) freon-113	7.146	101	140574	55.28	ug/kg	100
14) acrolein	6.338	56	160401	216.15	ug/kg	98
15) 1,1-dichloroethene	6.951	96	153427	50.54	ug/kg	98
16) acetone	6.560	58	18914	30.97	ug/kg#	34
17) Methyl Acetate	7.133	43	240272	62.79	ug/kg	98
18) methylene chloride	7.106	84	177369	53.32	ug/kg	97
19) methyl tert butyl ether	7.907	73	371897	53.94	ug/kg	97
20) acrylonitrile	7.011	53	83501	55.56	ug/kg	88
21) allyl chloride	7.200	41	290410	48.68	ug/kg	100
22) trans-1,2-dichloroethene	7.820	96	168077	49.73	ug/kg	95
23) iodomethane	7.011	142	314854	54.68	ug/kg	94
24) carbon disulfide	7.389	76	417237	48.02	ug/kg	98
25) propionitrile	8.156	54	28106	55.17	ug/kg	100
26) vinyl acetate	8.177	43	276704	38.87	ug/kg	99
27) chloroprene	8.446	53	286743	53.37	ug/kg	100
28) di-isopropyl ether	8.480	45	699127	52.94	ug/kg	98
29) methacrylonitrile	8.601	41	123488	53.28	ug/kg	97
30) 2-butanone	8.500	72	22070	43.25	ug/kg#	1
31) 1,1-dichloroethane	8.069	63	314416	53.41	ug/kg	98
32) tert-butyl ethyl ether	8.884	59	457676	55.32	ug/kg	98
33) isobutyl alcohol	8.884	43	92404m	254.02	ug/kg	
34) 2,2-dichloropropane	8.951	77	175834	50.65	ug/kg	100
35) cis-1,2-dichloroethene	8.655	96	201320	51.43	ug/kg	95
36) ethyl acetate	8.884	43	118109	49.01	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:02:34 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	119596	55.43	ug/kg	93
38) chloroform	8.864	83	326142	56.47	ug/kg	99
40) Tetrahydrofuran	9.194	42	66842	45.75	ug/kg	97
41) 1,1,1-trichloroethane	9.625	97	264432	56.47	ug/kg	97
43) Cyclohexane	9.915	56	307203	52.12	ug/kg	95
44) carbon tetrachloride	9.995	117	283396	60.49	ug/kg	98
45) 1,1-dichloropropene	9.800	75	219933	53.83	ug/kg	98
46) benzene	10.029	78	687723	50.94	ug/kg	99
47) 1,2-dichloroethane	9.524	62	248675	58.54	ug/kg	98
48) tert-amyl methyl ether	10.144	73	354036	56.58	ug/kg	100
49) heptane	10.507	43	330986	50.06	ug/kg	98
50) trichloroethene	10.656	95	207541	53.25	ug/kg	98
51) 1,2-dichloropropane	10.622	63	204681	54.78	ug/kg	99
52) dibromomethane	10.595	93	126312	57.45	ug/kg	93
53) bromodichloromethane	10.710	83	265474	59.80	ug/kg	99
54) Methylcyclohexane	11.181	83	295516	53.37	ug/kg	97
55) 2-chloroethyl vinyl ether	11.080	63	50888	51.99	ug/kg	94
56) methyl methacrylate	10.797	69	128132	59.47	ug/kg	96
57) 1,4-dioxane	10.797	88	9725	299.40	ug/kg	84
58) cis-1,3-dichloropropene	11.329	75	297196	55.49	ug/kg	96
60) 4-methyl-2-pentanone	11.417	43	236923	56.50	ug/kg	99
61) toluene	12.111	92	483732	56.99	ug/kg	97
62) trans-1,3-dichloropropene	11.747	75	252645	57.84	ug/kg	98
63) 1,1,2-trichloroethane	11.922	83	141347	56.97	ug/kg	98
64) ethyl methacrylate	12.124	69	217161	54.76	ug/kg	97
66) tetrachloroethene	12.852	166	238516	57.15	ug/kg	96
67) 1,3-dichloropropane	12.165	76	270904	58.02	ug/kg	98
68) dibromochloromethane	12.454	129	269432	63.24	ug/kg	100
69) 1,2-dibromoethane	12.710	107	199459	59.76	ug/kg	95
70) 2-hexanone	12.279	43	157099	43.35	ug/kg	98
71) chlorobenzene	13.539	112	663158	59.36	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.458	131	258511	64.04	ug/kg	96
73) ethylbenzene	13.707	91	950256	57.64	ug/kg	99
74) m,p-xylene	13.896	106	818642	116.67	ug/kg	97
75) o-xylene	14.307	106	419612	59.29	ug/kg	99
76) styrene	14.233	104	672335	59.67	ug/kg	99
77) bromoform	14.064	173	185119	65.42	ug/kg	100
78) trans-1,4-dichloro-2-b...	14.455	53	76485	56.14	ug/kg	98
80) isopropylbenzene	14.671	105	1093343	54.71	ug/kg	99
82) bromobenzene	14.967	156	295321	55.50	ug/kg	98
83) 1,1,2,2-tetrachloroethane	14.314	83	253797	54.27	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	270275	53.94	ug/kg	97
85) n-propylbenzene	15.115	91	1171438	53.39	ug/kg	97
86) 2-chlorotoluene	15.236	91	719440	53.58	ug/kg	99
87) 4-chlorotoluene	15.310	91	705098	53.23	ug/kg	98
88) 1,3,5-trimethylbenzene	15.391	105	909257	54.30	ug/kg	99
89) tert-butylbenzene	15.701	91	500981	55.23	ug/kg	99
90) 1,2,4-trimethylbenzene	15.802	105	887847	53.59	ug/kg	99
91) sec-butylbenzene	15.924	105	1243735	54.52	ug/kg	98
92) 1,3-dichlorobenzene	16.031	146	582970	54.19	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:02:34 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

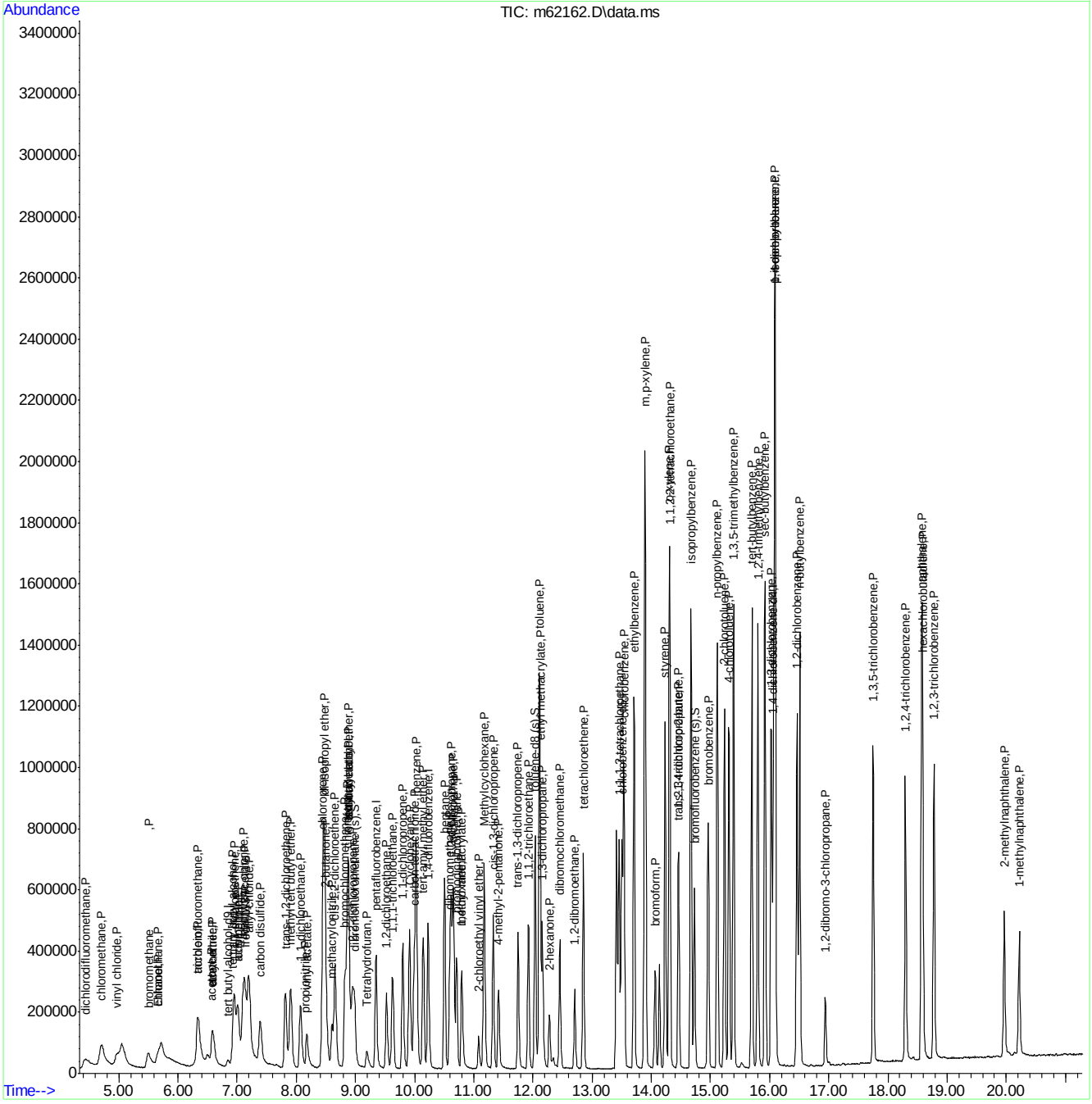
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	1082690	54.60	ug/kg	98
94) 1,4-dichlorobenzene	16.092	146	587664	53.39	ug/kg	99
95) 1,2-dichlorobenzene	16.462	146	600429	56.06	ug/kg	98
96) n-butylbenzene	16.510	91	848420	50.85	ug/kg	97
97) 1,2-dibromo-3-chloropr...	16.941	75	56977	55.78	ug/kg	98
98) 1,3,5-trichlorobenzene	17.749	180	387312	49.49	ug/kg	100
99) 1,2,4-trichlorobenzene	18.301	180	370735	49.60	ug/kg	97
100) hexachlorobutadiene	18.591	225	185339	53.13	ug/kg	99
101) naphthalene	18.571	128	1144800	54.31	ug/kg	100
102) 1,2,3-trichlorobenzene	18.780	180	385103	52.76	ug/kg	96
103) 2-methylnaphthalene	19.965	142	320629	26.96	ug/kg	99
104) 1-methylnaphthalene	20.221	TIC	1013043	29.78	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:02:34 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

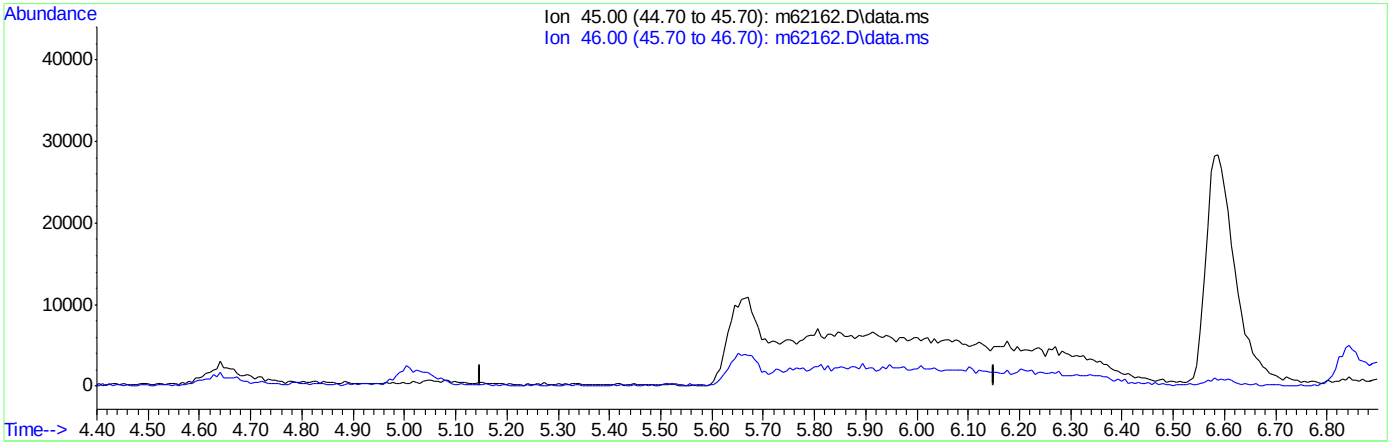


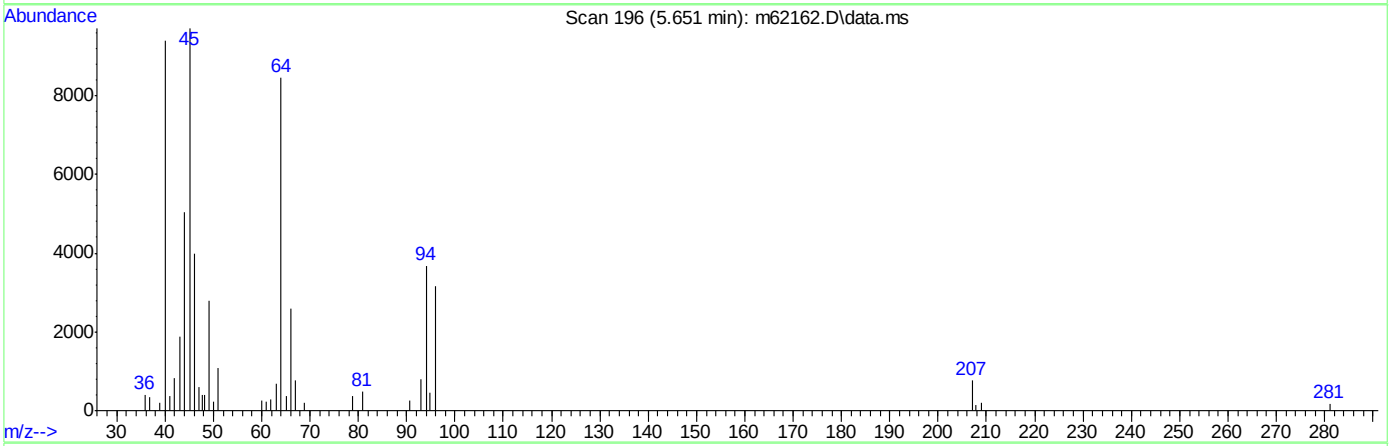
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(3) Ethanol (P)

5.650min (-5.650) 0.00ug/kg

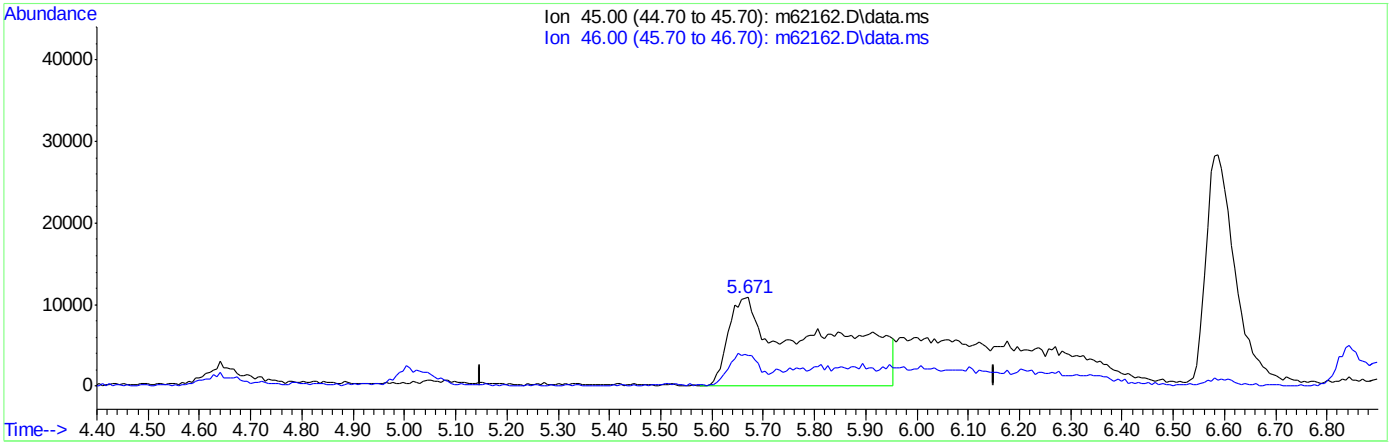
response 0

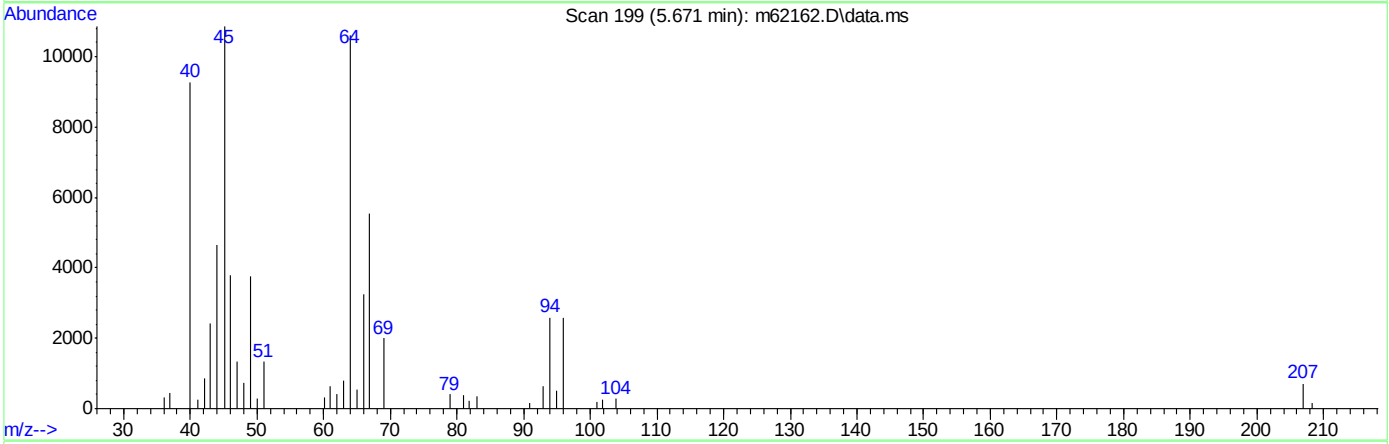
Ion	Exp%	Act%
45.00	100	0.00
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(3) Ethanol (P)

5.671min (+0.021) 4676.20ug/kg m

response 134764

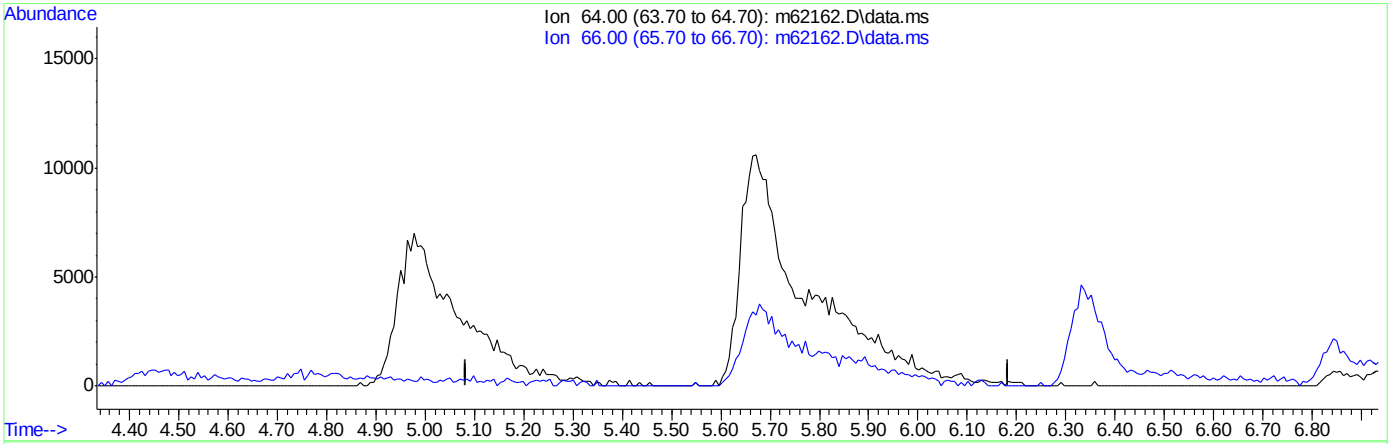
Ion	Exp%	Act%
45.00	100	100
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

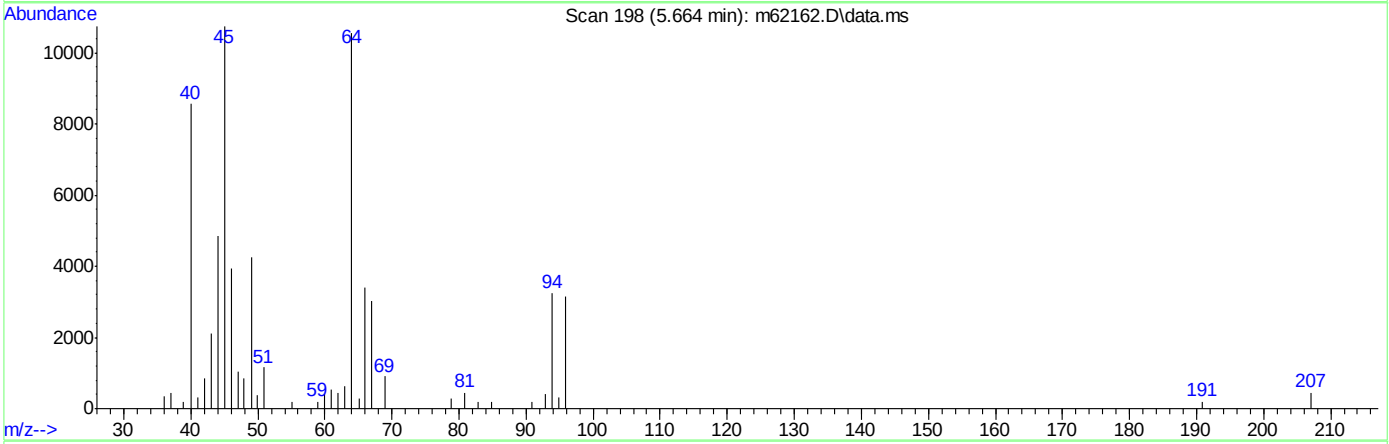
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(9) chloroethane (P)

5.664min (-5.664) 0.00ug/kg

response 0

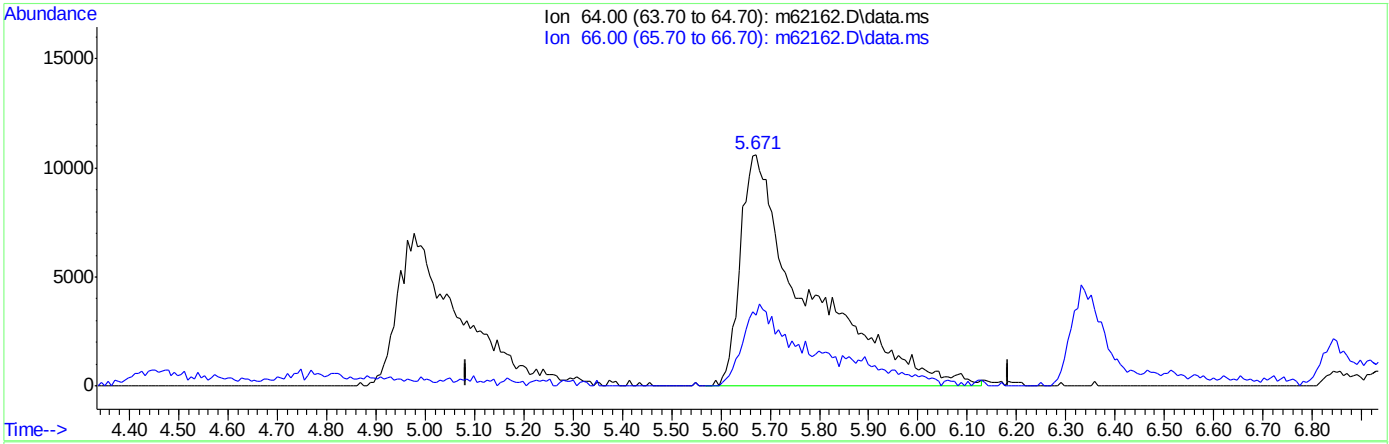
Ion	Exp%	Act%
64.00	100	0.00
66.00	28.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

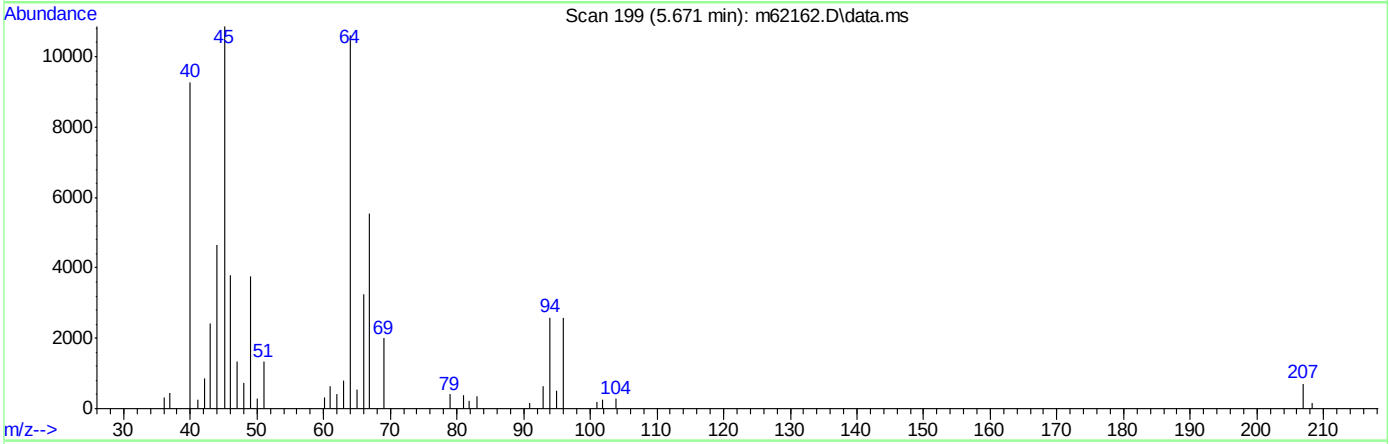
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(9) chloroethane (P)

5.671min (+0.007) 45.57ug/kg m

response 100775

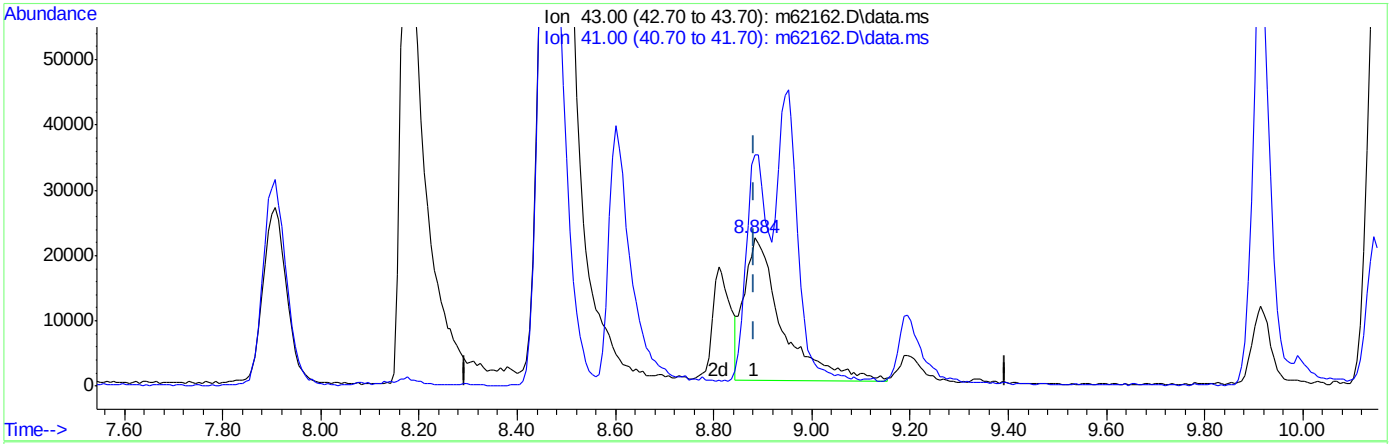
Ion	Exp%	Act%
64.00	100	100
66.00	28.60	30.62
0.00	0.00	0.00
0.00	0.00	0.00

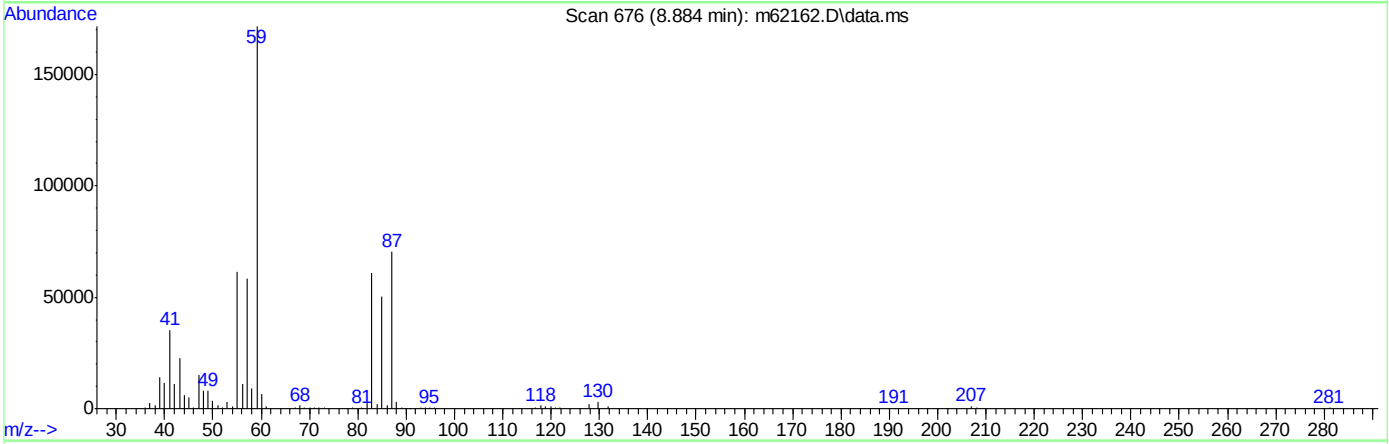
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(33) isobutyl alcohol (P)

8.884min (0.000) 324.81ug/kg

response 118155

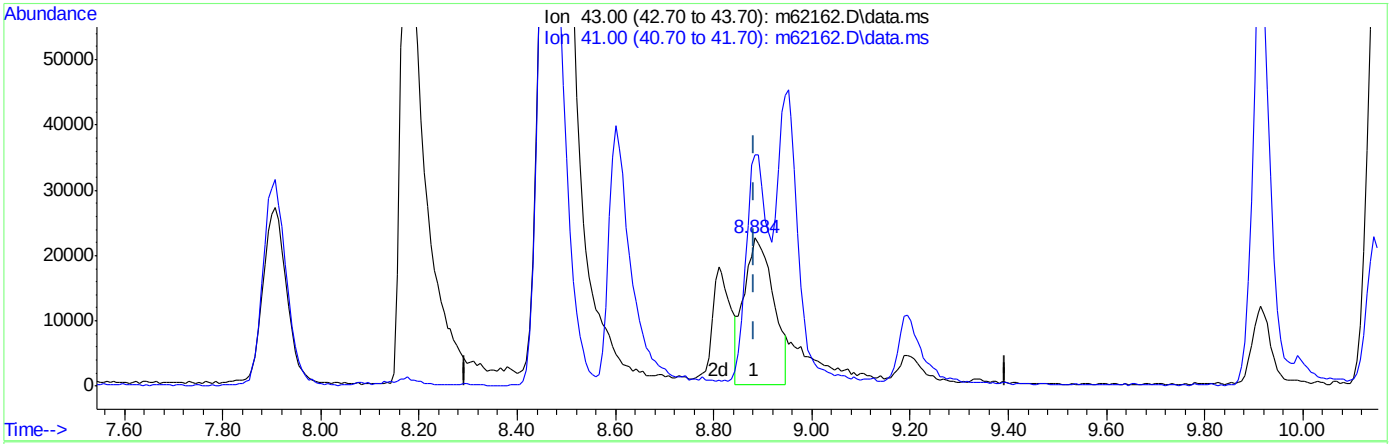
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	160.24
0.00	0.00	0.00
0.00	0.00	0.00

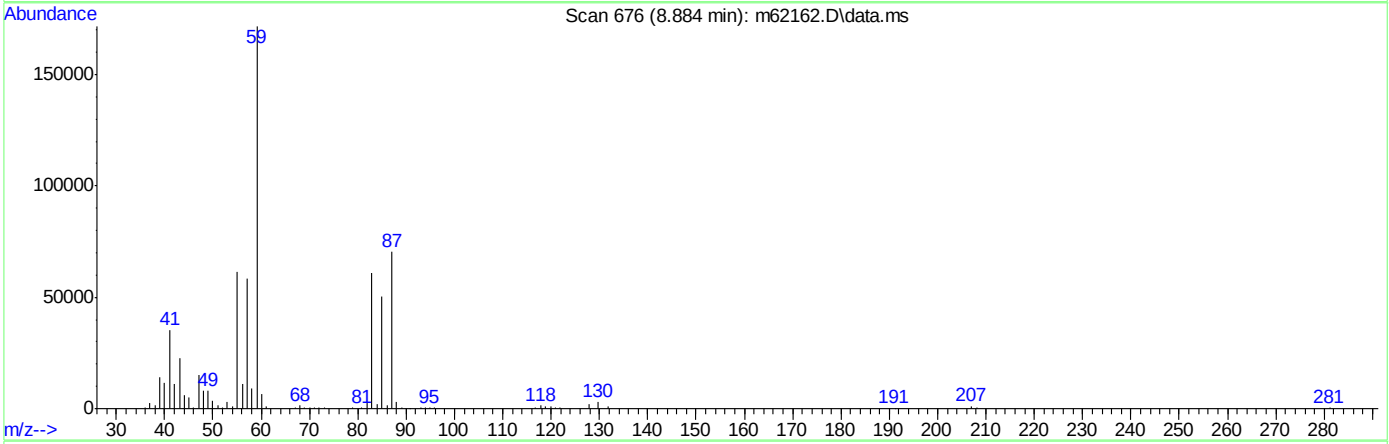
ACCUTEST LABORATORIES MC26923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(33) isobutyl alcohol (P)

8.884min (0.000) 254.02ug/kg m

response 92404

Ion	Exp%	Act%
43.00	100	100
41.00	151.70	156.55
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26923

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 11/26/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82689.D
Acq On : 25 Nov 2013 12:33 pm
Operator : jaclynb
Sample : ic3086-0.5
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 26 09:51:18 2013
Quant Method : C:\msdchem\1\methods\n131020w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 21 14:14:31 2013
Response via : Initial Calibration

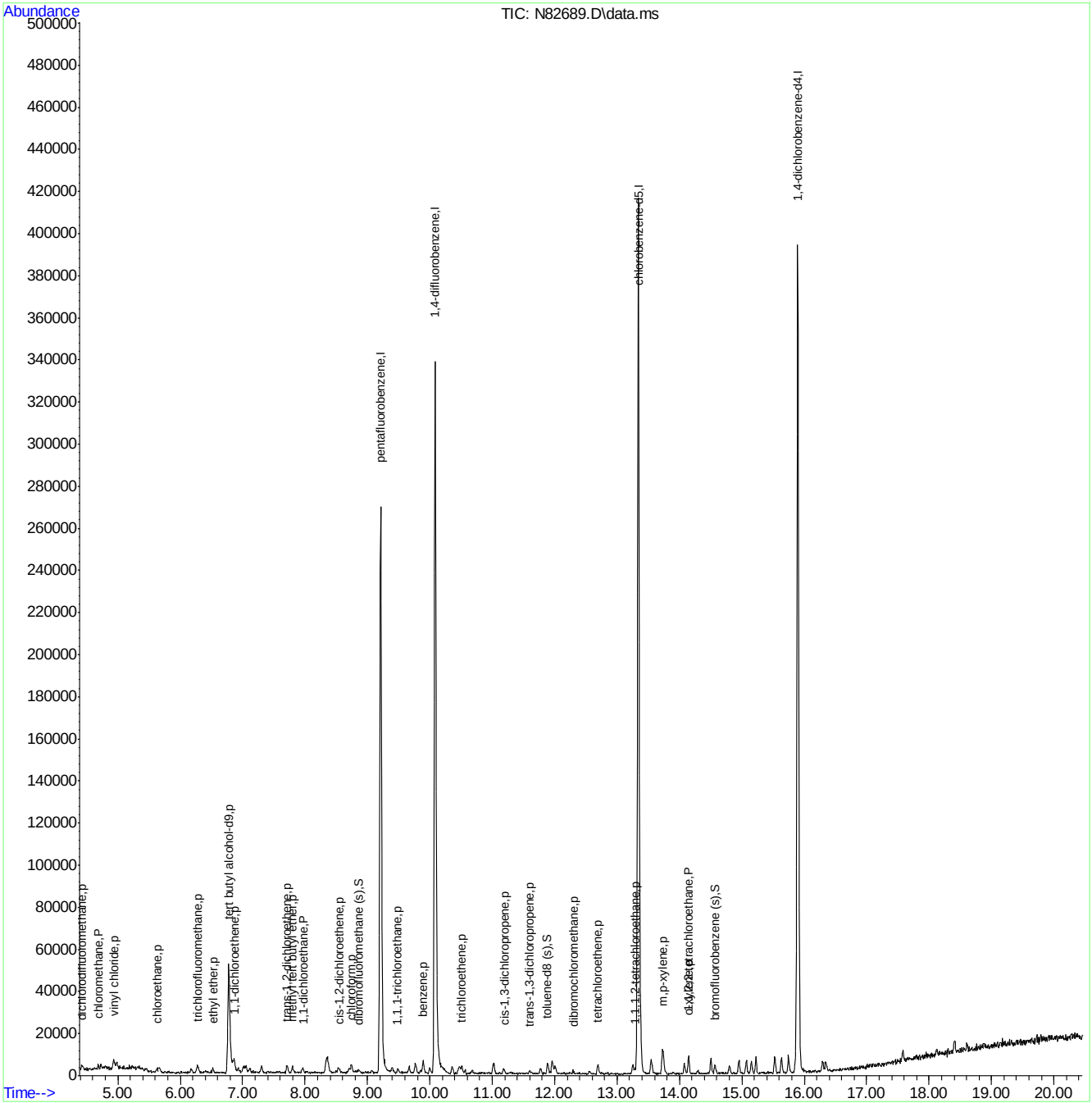
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.777	65	80679	500.00	ug/L		0.00
4) pentafluorobenzene	9.213	168	195275	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.086	114	286732m	50.00	ug/L		0.00
66) chlorobenzene-d5	13.342	82	149849	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	108647	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.863	113	991	0.46	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 0.92%#				
60) toluene-d8 (s)	11.882	98	4025	0.51	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.02%#				
82) bromofluorobenzene (s)	14.569	95	1885	0.76	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.52%#				
Target Compounds							Qvalue
5) dichlorodifluoromethane	4.426	85	1610	0.54	ug/L		80
6) chloromethane	4.687	50	1863	0.58	ug/L		83
7) vinyl chloride	4.938	62	2049	0.56	ug/L		57
9) chloroethane	5.631	64	705m	0.51	ug/L		
10) ethyl ether	6.526	59	1113	0.55	ug/L		78
12) trichlorofluoromethane	6.278	101	2186	0.61	ug/L		99
15) 1,1-dichloroethene	6.862	96	1507	0.70	ug/L	#	65
19) methyl tert butyl ether	7.798	73	2810	0.52	ug/L		88
22) trans-1,2-dichloroethene	7.707	96	1200	0.52	ug/L		84
32) 1,1-dichloroethane	7.972	63	2722	0.57	ug/L		98
36) cis-1,2-dichloroethene	8.544	96	1477	0.57	ug/L	#	59
39) chloroform	8.735	83	2331	0.50	ug/L		89
42) 1,1,1-trichloroethane	9.481	97	1330	0.39	ug/L		92
47) benzene	9.895	78	5268	0.53	ug/L		84
51) trichloroethene	10.514	95	1202	0.44	ug/L	#	64
59) cis-1,3-dichloropropene	11.192	75	1469	0.41	ug/L		55
63) trans-1,3-dichloropropene	11.602	75	1226	0.40	ug/L		53
67) tetrachloroethene	12.684	166	1427	0.57	ug/L		91
69) dibromochloromethane	12.299	129	1054	0.45	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.289	131	1024m	0.49	ug/L		
75) m,p-xylene	13.731	106	4461	1.01	ug/L		89
76) o-xylene	14.151	106	2307	0.53	ug/L		96
84) 1,1,2,2-tetrachloroethane	14.144	83	1193	0.49	ug/L		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82689.D
Acq On : 25 Nov 2013 12:33 pm
Operator : jaclynb
Sample : ic3086-0.5
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 26 09:51:18 2013
Quant Method : C:\msdchem\1\methods\n131020w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 21 14:14:31 2013
Response via : Initial Calibration



n131125w.m Tue Nov 26 10:22:33 2013 Page: 2

ACCUTEST LABORATORIES MC26923

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82690.D
Acq On : 25 Nov 2013 1:01 pm
Operator : jaclynb
Sample : ic3086-1
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 26 09:54:55 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:51:27 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.780	65	78054	500.00	ug/L		0.01
4) pentafluorobenzene	9.212	168	188106	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.086	114	282558	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	144593	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.898	152	109001	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	724	0.38	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 0.76%#				
60) toluene-d8 (s)	11.882	98	3118	0.42	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 0.84%#				
82) bromofluorobenzene (s)	14.565	95	1617	0.54	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.08%#				
Target Compounds							Qvalue
5) dichlorodifluoromethane	4.426	85	3457	1.24	ug/L		98
6) chloromethane	4.687	50	3097	1.08	ug/L		73
7) vinyl chloride	4.942	62	4208	1.23	ug/L		83
9) chloroethane	5.624	64	1756	1.31	ug/L		76
10) ethyl ether	6.522	59	2279	1.15	ug/L		88
11) acetonitrile	6.176	41	2452	1.65	ug/L		93
12) trichlorofluoromethane	6.275	101	4677	1.23	ug/L		92
13) freon-113	7.056	101	2678	1.36	ug/L		99
15) 1,1-dichloroethene	6.868	96	2875	1.23	ug/L		85
18) methylene chloride	7.010	84	2782	1.33	ug/L		85
19) methyl tert butyl ether	7.795	73	4869	1.02	ug/L		84
22) trans-1,2-dichloroethene	7.717	96	2660	1.27	ug/L	#	66
27) chloroprene	8.329	53	3678	1.08	ug/L		93
32) 1,1-dichloroethane	7.968	63	5362	1.16	ug/L		94
36) cis-1,2-dichloroethene	8.537	96	2867	1.16	ug/L		91
38) bromochloromethane	8.707	128	1119	1.15	ug/L	#	71
39) chloroform	8.735	83	4865	1.18	ug/L		97
42) 1,1,1-trichloroethane	9.492	97	3275	1.16	ug/L		93
45) carbon tetrachloride	9.856	117	2197	0.87	ug/L		81
47) benzene	9.898	78	10033	1.09	ug/L		92
48) 1,2-dichloroethane	9.393	62	3583	1.24	ug/L		91
49) tert-amyl methyl ether	10.004	73	3819	1.15	ug/L		91
50) heptane	10.354	43	3515	1.34	ug/L		97
51) trichloroethene	10.513	95	2519	1.11	ug/L		80
54) bromodichloromethane	10.563	83	3361	1.19	ug/L		95
55) Methylcyclohexane	11.015	83	4728	1.29	ug/L		92
59) cis-1,3-dichloropropene	11.185	75	3026	1.00	ug/L		71
62) toluene	11.956	92	5954	1.25	ug/L		95
63) trans-1,3-dichloropropene	11.606	75	2537	1.02	ug/L		85
64) 1,1,2-trichloroethane	11.768	83	1932	1.22	ug/L		78
67) tetrachloroethene	12.698	166	2745	1.15	ug/L		87
68) 1,3-dichloropropane	12.002	76	3350	1.14	ug/L		90
69) dibromochloromethane	12.292	129	2248	1.14	ug/L		93
72) chlorobenzene	13.377	112	6608	1.31	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82690.D
Acq On : 25 Nov 2013 1:01 pm
Operator : jaclynb
Sample : ic3086-1
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 26 09:54:55 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:51:27 2013
Response via : Initial Calibration

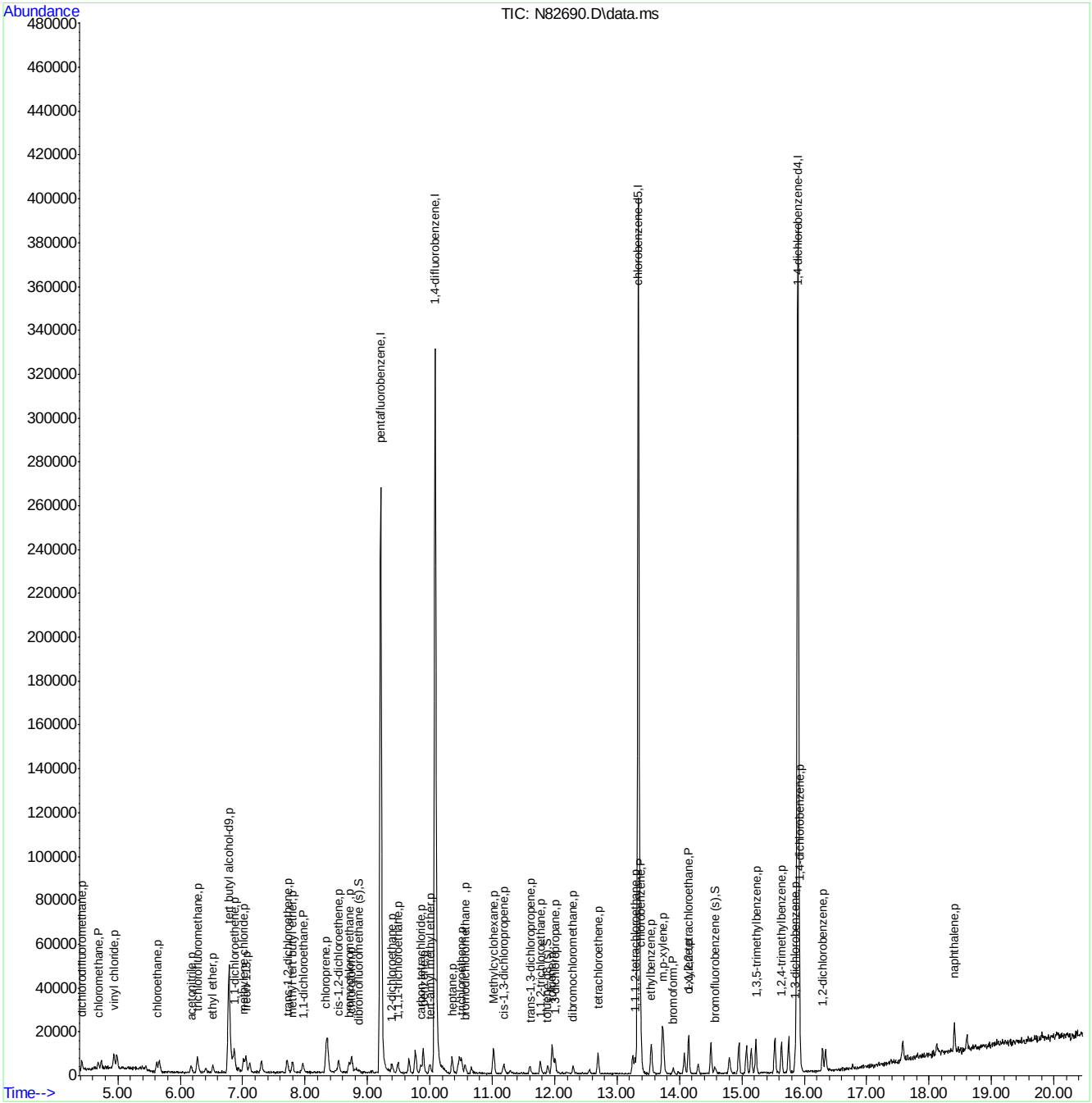
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,1,1,2-tetrachloroethane	13.289	131	2083	1.13	ug/L	91
74) ethylbenzene	13.547	91	12233	1.35	ug/L	98
75) m,p-xylene	13.730	106	8989	2.29	ug/L	89
76) o-xylene	14.151	106	4345	1.09	ug/L	82
78) bromoform	13.900	173	1332	1.02	ug/L	84
84) 1,1,2,2-tetrachloroethane	14.148	83	2599	1.20	ug/L	83
89) 1,3,5-trimethylbenzene	15.229	105	9955	1.44	ug/L	93
91) 1,2,4-trimethylbenzene	15.633	105	9284	1.39	ug/L	90
93) 1,3-dichlorobenzene	15.859	146	4921	1.34	ug/L	95
95) 1,4-dichlorobenzene	15.922	146	4665	1.31	ug/L	91
96) 1,2-dichlorobenzene	16.294	146	4944	1.41	ug/L	91
102) naphthalene	18.404	128	2717	0.59	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82690.D
Acq On : 25 Nov 2013 1:01 pm
Operator : jaclynb
Sample : ic3086-1
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 26 09:54:55 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:51:27 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC26923

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/26/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82691.D
Acq On : 25 Nov 2013 1:28 pm
Operator : jaclynb
Sample : ic3086-2
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 26 09:59:18 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:55:05 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.780	65	75125	500.00	ug/L		0.01
4) pentafluorobenzene	9.209	168	191638	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.086	114	288761	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	149123	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	113025	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	538	0.35	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 0.70%#				
60) toluene-d8 (s)	11.892	98	3327	0.54	ug/L		0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.08%#				
82) bromofluorobenzene (s)	14.572	95	1397	0.53	ug/L		0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.06%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.872	59	4344m	22.41	ug/L		
3) Ethanol	5.624	45	6648m	227.66	ug/L		
5) dichlorodifluoromethane	4.422	85	5510	1.80	ug/L		92
6) chloromethane	4.687	50	5617	1.87	ug/L		87
7) vinyl chloride	4.931	62	6621	1.77	ug/L		98
8) bromomethane	5.448	96	2162	1.84	ug/L		91
9) chloroethane	5.621	64	2701	1.79	ug/L		93
10) ethyl ether	6.522	59	3831	1.81	ug/L		82
11) acetonitrile	6.172	41	3627	1.97	ug/L		98
12) trichlorofluoromethane	6.282	101	7377	1.77	ug/L		93
13) freon-113	7.056	101	4028	1.70	ug/L		85
15) 1,1-dichloroethene	6.862	96	4554	1.77	ug/L		81
18) methylene chloride	7.017	84	4476	1.81	ug/L	#	83
19) methyl tert butyl ether	7.795	73	7975	1.62	ug/L		83
22) trans-1,2-dichloroethene	7.717	96	4568	1.96	ug/L	#	64
24) carbon disulfide	7.300	76	13786	2.12	ug/L		100
27) chloroprene	8.339	53	6411	1.78	ug/L		94
28) di-isopropyl ether	8.361	45	16074	2.05	ug/L		84
29) methacrylonitrile	8.498	41	2348	1.76	ug/L		87
32) 1,1-dichloroethane	7.961	63	8296	1.67	ug/L		90
33) tert-butyl ethyl ether	8.760	59	4242	1.00	ug/L		90
36) cis-1,2-dichloroethene	8.537	96	4600	1.73	ug/L		80
37) ethyl acetate	8.350	43	14004	2.09	ug/L		92
38) bromochloromethane	8.700	128	1693	1.59	ug/L	#	77
39) chloroform	8.739	83	7631	1.71	ug/L		94
42) 1,1,1-trichloroethane	9.485	97	5048	1.67	ug/L		90
44) Cyclohexane	9.764	56	7688	1.89	ug/L	#	86
45) carbon tetrachloride	9.856	117	3914	1.63	ug/L		84
46) 1,1-dichloropropene	9.669	75	5157	1.87	ug/L		93
47) benzene	9.895	78	17374	1.80	ug/L		96
48) 1,2-dichloroethane	9.389	62	5618	1.70	ug/L		81
49) tert-amyl methyl ether	10.001	73	5683	1.56	ug/L		85
50) heptane	10.358	43	5508	1.76	ug/L		98
51) trichloroethene	10.503	95	4688	1.95	ug/L	#	71

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82691.D
Acq On : 25 Nov 2013 1:28 pm
Operator : jaclynb
Sample : ic3086-2
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 26 09:59:18 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:55:05 2013
Response via : Initial Calibration

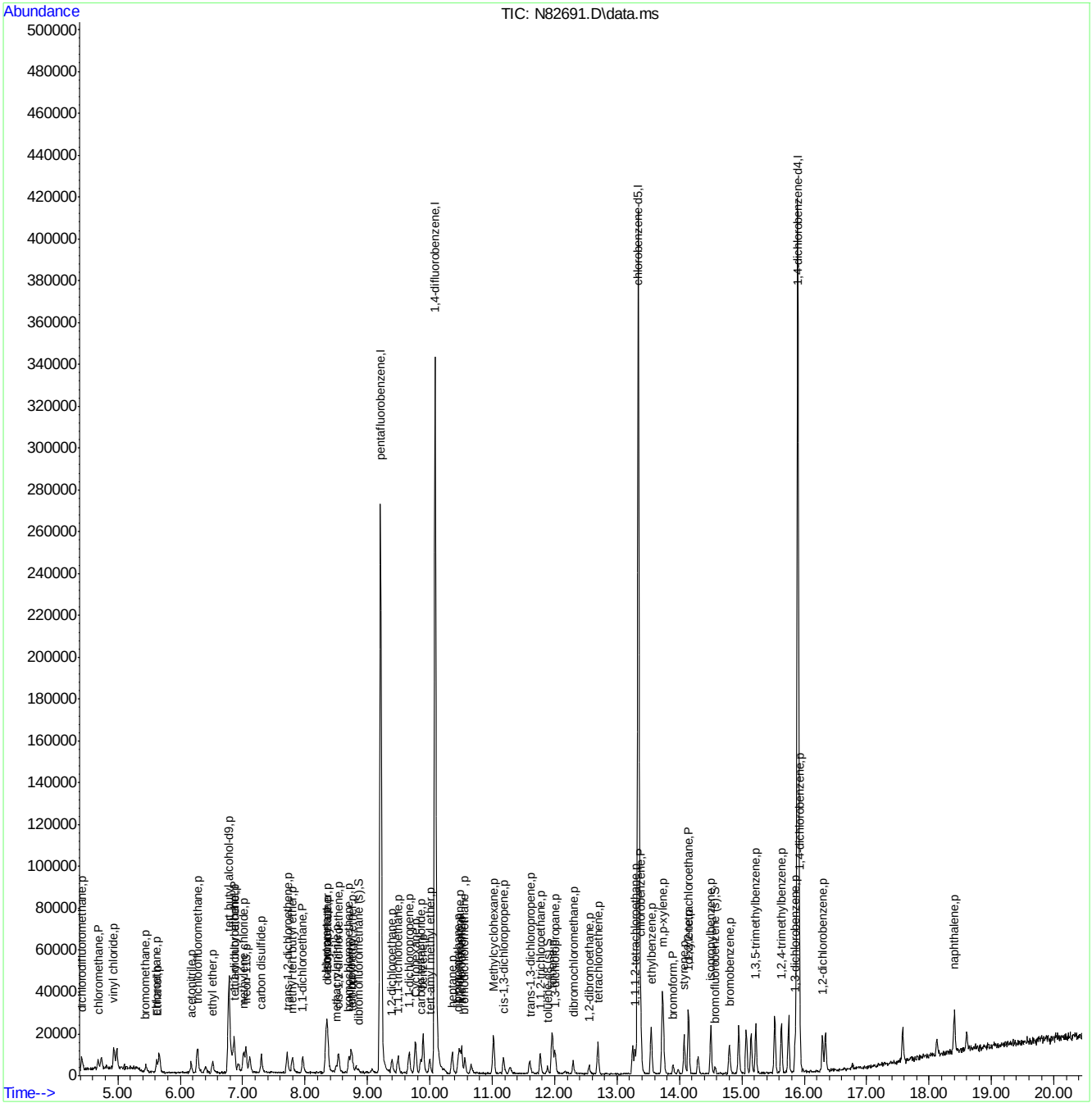
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) 1,2-dichloropropane	10.471	63	4533	1.88	ug/L		93
53) dibromomethane	10.454	93	2489	1.95	ug/L		96
54) bromodichloromethane	10.556	83	5629	1.78	ug/L		94
55) Methylcyclohexane	11.023	83	7008	1.63	ug/L	#	92
59) cis-1,3-dichloropropene	11.178	75	5402	1.74	ug/L		98
62) toluene	11.960	92	9443	1.72	ug/L		89
63) trans-1,3-dichloropropene	11.606	75	4658	1.82	ug/L		79
64) 1,1,2-trichloroethane	11.772	83	3162	1.76	ug/L		81
67) tetrachloroethene	12.698	166	4189	1.62	ug/L		78
68) 1,3-dichloropropane	12.002	76	5674	1.75	ug/L		77
69) dibromochloromethane	12.302	129	3493	1.64	ug/L		78
70) 1,2-dibromoethane	12.553	107	3403	1.92	ug/L		96
72) chlorobenzene	13.377	112	10798	1.80	ug/L		95
73) 1,1,1,2-tetrachloroethane	13.292	131	3464	1.75	ug/L		91
74) ethylbenzene	13.550	91	18931	1.73	ug/L		94
75) m,p-xylene	13.731	106	14062	3.31	ug/L		98
76) o-xylene	14.141	106	7128	1.68	ug/L		92
77) styrene	14.074	104	9487m	1.68	ug/L		
78) bromoform	13.900	173	2401	1.77	ug/L		69
81) isopropylbenzene	14.501	105	17795	2.14	ug/L		96
83) bromobenzene	14.805	156	4325	2.28	ug/L		82
84) 1,1,2,2-tetrachloroethane	14.148	83	4481	1.87	ug/L		94
89) 1,3,5-trimethylbenzene	15.219	105	15324	1.75	ug/L		95
91) 1,2,4-trimethylbenzene	15.636	105	14576	1.76	ug/L		94
93) 1,3-dichlorobenzene	15.855	146	7877	1.77	ug/L		93
95) 1,4-dichlorobenzene	15.923	146	8112	1.90	ug/L		96
96) 1,2-dichlorobenzene	16.297	146	8086	1.84	ug/L		85
102) naphthalene	18.401	128	4680	1.24	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82691.D
Acq On : 25 Nov 2013 1:28 pm
Operator : jaclynb
Sample : ic3086-2
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 26 09:59:18 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:55:05 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82692.D
Acq On : 25 Nov 2013 1:56 pm
Operator : jaclynb
Sample : ic3086-5
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 26 09:59:52 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:59:26 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.777	65	92534	500.00	ug/L		0.01
4) pentafluorobenzene	9.213	168	191564	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.086	114	288716	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	152879	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	119961	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	9978	8.25	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 16.50%#				
60) toluene-d8 (s)	11.885	98	37671	7.53	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 15.06%#				
82) bromofluorobenzene (s)	14.565	95	14791	6.45	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 12.90%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.862	59	11592	45.79	ug/L		86
3) Ethanol	5.624	45	17554	456.48	ug/L		99
5) dichlorodifluoromethane	4.426	85	13441	4.50	ug/L		94
6) chloromethane	4.684	50	13189	4.46	ug/L		82
7) vinyl chloride	4.935	62	15783	4.34	ug/L		97
8) bromomethane	5.451	96	5239	4.65	ug/L		87
9) chloroethane	5.621	64	7124	4.85	ug/L		93
10) ethyl ether	6.515	59	10257	4.97	ug/L		97
11) acetonitrile	6.172	41	7912	4.32	ug/L		98
12) trichlorofluoromethane	6.271	101	17960	4.43	ug/L		95
13) freon-113	7.052	101	10218	4.54	ug/L		93
14) acrolein	6.271	56	10744	24.38	ug/L		94
15) 1,1-dichloroethene	6.869	96	10432	4.19	ug/L		94
16) acetone	6.413	58	1629	5.96	ug/L	#	35
17) Methyl Acetate	7.049	43	17901	5.54	ug/L	#	94
18) methylene chloride	7.017	84	12077	5.04	ug/L	#	79
19) methyl tert butyl ether	7.802	73	21114	4.51	ug/L		96
20) acrylonitrile	6.932	53	4317	5.16	ug/L		79
21) allyl chloride	7.109	41	15784	4.62	ug/L		79
22) trans-1,2-dichloroethene	7.714	96	9938	4.29	ug/L		89
23) iodomethane	6.929	142	4920	2.79	ug/L		83
24) carbon disulfide	7.300	76	33584	5.02	ug/L		96
26) vinyl acetate	7.049	43	17901	5.54	ug/L		98
27) chloroprene	8.325	53	16334	4.70	ug/L		88
28) di-isopropyl ether	8.361	45	40585	5.11	ug/L		90
29) methacrylonitrile	8.488	41	7359	5.88	ug/L		98
30) 2-butanone	8.392	72	1106	4.31	ug/L	#	1
31) Hexane	8.343	41	18898	5.27	ug/L		89
32) 1,1-dichloroethane	7.965	63	21874	4.60	ug/L		99
33) tert-butyl ethyl ether	8.749	59	13406	4.22	ug/L		79
34) isobutyl alcohol	8.357	43	35487	26.53	ug/L		84
35) 2,2-dichloropropane	8.817	77	6086	2.52	ug/L		87
36) cis-1,2-dichloroethene	8.534	96	11557	4.51	ug/L	#	77
37) ethyl acetate	8.357	43	35721	5.22	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82692.D
Acq On : 25 Nov 2013 1:56 pm
Operator : jaclynb
Sample : ic3086-5
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 26 09:59:52 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:59:26 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.700	128	5111	5.16	ug/L	#	75
39) chloroform	8.739	83	19823	4.62	ug/L		94
41) Tetrahydrofuran	9.068	42	3228	5.41	ug/L		82
42) 1,1,1-trichloroethane	9.495	97	14030	4.84	ug/L		93
44) Cyclohexane	9.768	56	21132	5.34	ug/L		92
45) carbon tetrachloride	9.849	117	11114	4.93	ug/L		95
46) 1,1-dichloropropene	9.662	75	14294	5.36	ug/L		95
47) benzene	9.891	78	43866	4.66	ug/L		95
48) 1,2-dichloroethane	9.393	62	15834	5.04	ug/L		95
49) tert-amyl methyl ether	10.001	73	15634	4.63	ug/L		88
50) heptane	10.358	43	13631	4.53	ug/L		81
51) trichloroethene	10.503	95	11434	4.79	ug/L		83
52) 1,2-dichloropropane	10.471	63	12944	5.54	ug/L		93
53) dibromomethane	10.453	93	7012	5.57	ug/L		95
54) bromodichloromethane	10.567	83	14362	4.71	ug/L		94
55) Methylcyclohexane	11.019	83	18459	4.58	ug/L		98
56) 2-chloroethyl vinyl ether	10.082	63	69273	50.49	ug/L	#	44
57) methyl methacrylate	10.655	69	6070	4.82	ug/L	#	73
59) cis-1,3-dichloropropene	11.178	75	14789	4.93	ug/L		93
61) 4-methyl-2-pentanone	11.274	43	9893	5.02	ug/L		100
62) toluene	11.959	92	23751	4.55	ug/L		96
63) trans-1,3-dichloropropene	11.595	75	12637	5.04	ug/L		96
64) 1,1,2-trichloroethane	11.769	83	8302	4.81	ug/L		93
65) ethyl methacrylate	11.967	69	10955	4.70	ug/L		86
67) tetrachloroethene	12.695	166	10958	4.35	ug/L		92
68) 1,3-dichloropropane	12.005	76	16150	5.06	ug/L		99
69) dibromochloromethane	12.295	129	9874	4.73	ug/L		99
70) 1,2-dibromoethane	12.550	107	9188	5.16	ug/L		96
71) 2-hexanone	12.136	43	5804	4.24	ug/L		95
72) chlorobenzene	13.374	112	27202	4.57	ug/L		96
73) 1,1,1,2-tetrachloroethane	13.292	131	9014	4.59	ug/L		95
74) ethylbenzene	13.543	91	48705	4.54	ug/L		95
75) m,p-xylene	13.727	106	37074	8.91	ug/L		99
76) o-xylene	14.148	106	18564	4.45	ug/L		83
77) styrene	14.074	104	26681	5.01	ug/L		99
78) bromoform	13.900	173	6589	4.92	ug/L		93
79) trans-1,4-dichloro-2-b...	14.303	53	1784	3.55	ug/L		94
81) isopropylbenzene	14.501	105	48639	5.32	ug/L		91
83) bromobenzene	14.802	156	10518	4.88	ug/L		91
84) 1,1,2,2-tetrachloroethane	14.141	83	12318	4.92	ug/L		95
85) 1,2,3-trichloropropane	14.296	75	11385	5.34	ug/L		85
86) n-propylbenzene	14.947	91	58999	5.45	ug/L		99
87) 2-chlorotoluene	15.071	91	36518	5.67	ug/L		99
88) 4-chlorotoluene	15.148	91	34351	5.27	ug/L		99
89) 1,3,5-trimethylbenzene	15.226	105	40208	4.52	ug/L		92
90) tert-butylbenzene	15.527	91	24305	5.21	ug/L		91
91) 1,2,4-trimethylbenzene	15.633	105	39969	4.74	ug/L		93
92) sec-butylbenzene	15.746	105	55333	5.34	ug/L		97
93) 1,3-dichlorobenzene	15.859	146	22086	4.86	ug/L		97
94) p-isopropyltoluene	15.916	119	40580	5.07	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82692.D
Acq On : 25 Nov 2013 1:56 pm
Operator : jaclynb
Sample : ic3086-5
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 26 09:59:52 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:59:26 2013
Response via : Initial Calibration

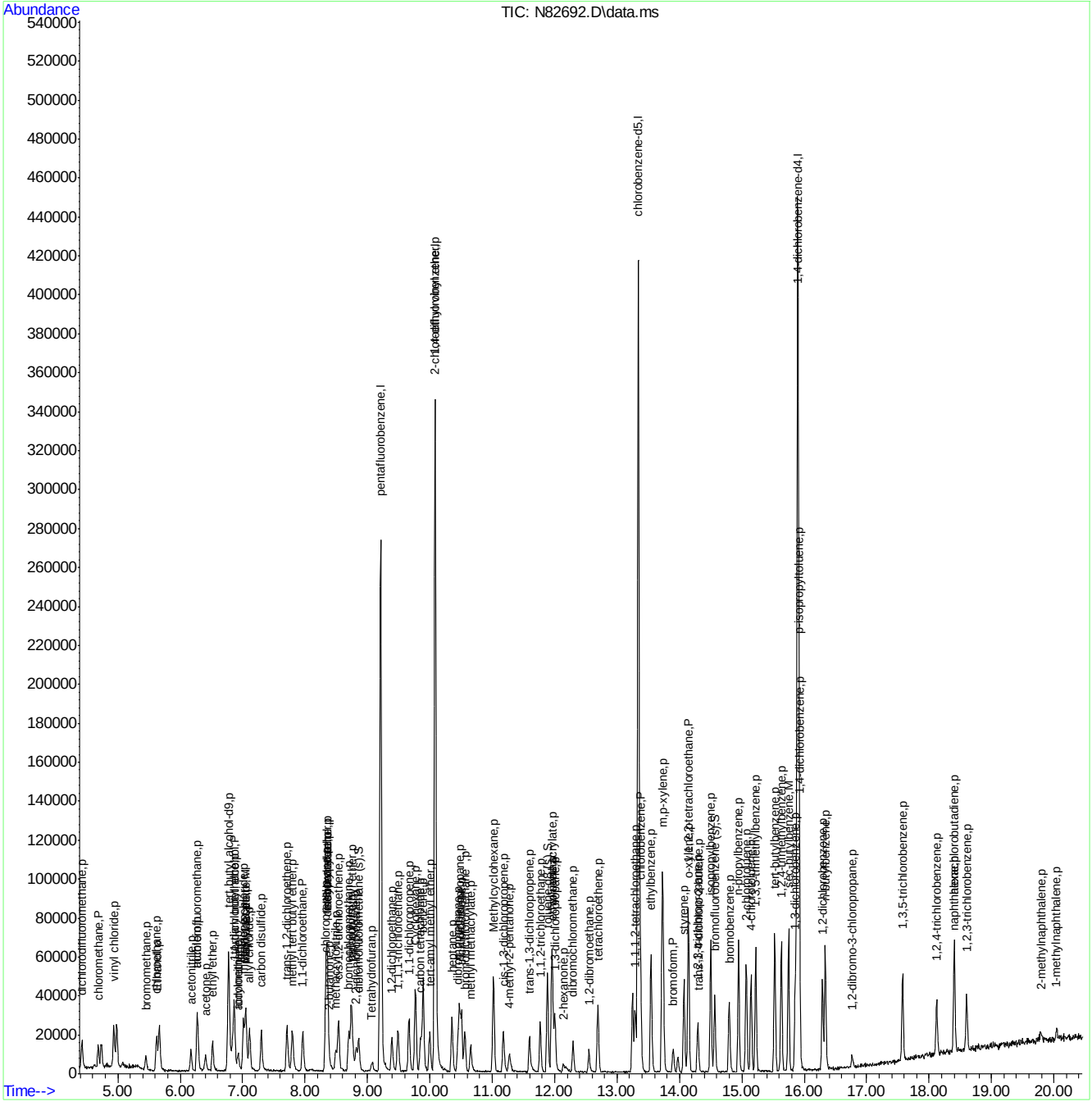
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
95)	1,4-dichlorobenzene	15.926	146	20876	4.69	ug/L		91
96)	1,2-dichlorobenzene	16.294	146	20699	4.57	ug/L		97
97)	n-butylbenzene	16.336	91	38235	4.78	ug/L		97
98)	1,2-dibromo-3-chloropr...	16.764	75	2011	5.53	ug/L	#	68
99)	1,2,4-trichlorobenzene	18.125	180	9852	4.15	ug/L		88
100)	1,3,5-trichlorobenzene	17.577	180	14855	5.17	ug/L		97
101)	hexachlorobutadiene	18.404	225	9407	5.38	ug/L		87
102)	naphthalene	18.394	128	15334	4.37	ug/L		100
103)	1,2,3-trichlorobenzene	18.602	180	10136	4.47	ug/L		100
104)	2-methylnaphthalene	19.797	142	3304	2.53	ug/L	#	93
105)	1-methylnaphthalene	20.041	142	3921	2.44	ug/L	#	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82692.D
Acq On : 25 Nov 2013 1:56 pm
Operator : jaclynb
Sample : ic3086-5
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 26 09:59:52 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:59:26 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/26/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82693.D
Acq On : 25 Nov 2013 2:24 pm
Operator : jaclynb
Sample : ic3086-10
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 26 10:01:14 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:00:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.777	65	81427	500.00	ug/L		0.01
4) pentafluorobenzene	9.209	168	181995	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	273648	50.00	ug/L		0.00
66) chlorobenzene-d5	13.342	82	143846	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	113402	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	17769	13.68	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 27.36%#				
60) toluene-d8 (s)	11.882	98	68581	13.14	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 26.28%#				
82) bromofluorobenzene (s)	14.565	95	24872	10.85	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 21.70%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.865	59	23816	110.00	ug/L		93
3) Ethanol	5.617	45	37052	1127.65	ug/L		97
5) dichlorodifluoromethane	4.426	85	26857	9.66	ug/L		99
6) chloromethane	4.687	50	24582	8.95	ug/L		99
7) vinyl chloride	4.935	62	32879	9.77	ug/L		96
8) bromomethane	5.451	96	11017	10.54	ug/L		88
9) chloroethane	5.614	64	14389	10.38	ug/L		95
10) ethyl ether	6.522	59	20074	10.25	ug/L		90
11) acetonitrile	6.176	41	12665	7.48	ug/L		93
12) trichlorofluoromethane	6.275	101	37583	9.99	ug/L		92
13) freon-113	7.049	101	22343	10.70	ug/L		98
14) acrolein	6.268	56	22783	55.09	ug/L		96
15) 1,1-dichloroethene	6.862	96	21500	9.38	ug/L		87
16) acetone	6.402	58	3461	12.16	ug/L	#	56
17) Methyl Acetate	7.042	43	36743	11.36	ug/L		99
18) methylene chloride	7.014	84	23602	10.34	ug/L	#	82
19) methyl tert butyl ether	7.795	73	45396	10.42	ug/L		97
20) acrylonitrile	6.925	53	9244	11.44	ug/L		86
21) allyl chloride	7.109	41	34545	11.07	ug/L		98
22) trans-1,2-dichloroethene	7.710	96	21249	9.94	ug/L		92
23) iodomethane	6.929	142	12547	9.61	ug/L		96
24) carbon disulfide	7.300	76	70062	11.01	ug/L		99
25) propionitrile	6.833	54	606	15.51	ug/L		100
26) vinyl acetate	7.042	43	36743	11.36	ug/L		94
27) chloroprene	8.332	53	35882	11.04	ug/L		91
28) di-isopropyl ether	8.357	45	85422	11.24	ug/L		89
29) methacrylonitrile	8.491	41	15018	11.93	ug/L		99
30) 2-butanone	8.382	72	2356	10.38	ug/L	#	1
31) Hexane	8.343	41	39990	11.43	ug/L	#	96
32) 1,1-dichloroethane	7.965	63	44710	10.06	ug/L		98
33) tert-butyl ethyl ether	8.753	59	31149	10.88	ug/L		95
34) isobutyl alcohol	8.354	43	73520	56.14	ug/L		62
35) 2,2-dichloropropane	8.820	77	17537	10.15	ug/L		100
36) cis-1,2-dichloroethene	8.530	96	23515	9.85	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82693.D
Acq On : 25 Nov 2013 2:24 pm
Operator : jaclynb
Sample : ic3086-10
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 26 10:01:14 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:00:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.354	43	73520	11.14	ug/L		99
38) bromochloromethane	8.704	128	11110	11.71	ug/L	#	79
39) chloroform	8.735	83	41771	10.40	ug/L		99
41) Tetrahydrofuran	9.075	42	6711	11.38	ug/L		89
42) 1,1,1-trichloroethane	9.485	97	30925	11.30	ug/L		93
44) Cyclohexane	9.768	56	42698	11.14	ug/L	#	92
45) carbon tetrachloride	9.849	117	25264	11.86	ug/L		97
46) 1,1-dichloropropene	9.665	75	28957	11.19	ug/L		97
47) benzene	9.891	78	90306	10.26	ug/L		98
48) 1,2-dichloroethane	9.393	62	32863	11.01	ug/L		94
49) tert-amyl methyl ether	9.997	73	32500	10.34	ug/L		89
50) heptane	10.351	43	28283	10.16	ug/L		85
51) trichloroethene	10.510	95	23727	10.58	ug/L		95
52) 1,2-dichloropropane	10.471	63	25713	11.21	ug/L		96
53) dibromomethane	10.450	93	13904	11.23	ug/L		96
54) bromodichloromethane	10.560	83	31301	10.99	ug/L		93
55) Methylcyclohexane	11.019	83	39012	10.43	ug/L		94
56) 2-chloroethyl vinyl ether	10.086	63	65885	9.13	ug/L	#	44
57) methyl methacrylate	10.652	69	12904	11.01	ug/L	#	71
58) 1,4-dioxane	10.652	88	970	47.42	ug/L		84
59) cis-1,3-dichloropropene	11.178	75	32565	11.49	ug/L		99
61) 4-methyl-2-pentanone	11.267	43	21505	11.49	ug/L		96
62) toluene	11.956	92	52113	10.77	ug/L		98
63) trans-1,3-dichloropropene	11.592	75	26434	11.11	ug/L		99
64) 1,1,2-trichloroethane	11.769	83	17655	10.90	ug/L		94
65) ethyl methacrylate	11.963	69	23996	11.19	ug/L		94
67) tetrachloroethene	12.688	166	23306	10.09	ug/L		95
68) 1,3-dichloropropane	12.002	76	32907	10.93	ug/L		98
69) dibromochloromethane	12.295	129	21523	11.08	ug/L		99
70) 1,2-dibromoethane	12.550	107	19801	11.69	ug/L		96
71) 2-hexanone	12.126	43	13846	11.64	ug/L		96
72) chlorobenzene	13.374	112	57385	10.47	ug/L		96
73) 1,1,1,2-tetrachloroethane	13.289	131	18930	10.41	ug/L		97
74) ethylbenzene	13.547	91	101858	10.32	ug/L		97
75) m,p-xylene	13.727	106	80138	20.92	ug/L		94
76) o-xylene	14.144	106	39389	10.27	ug/L		95
77) styrene	14.070	104	57413	11.45	ug/L		91
78) bromoform	13.900	173	14063	11.21	ug/L		99
79) trans-1,4-dichloro-2-b...	14.289	53	4224	10.45	ug/L	#	49
81) isopropylbenzene	14.498	105	102286	11.59	ug/L		94
83) bromobenzene	14.795	156	23306	11.54	ug/L		92
84) 1,1,2,2-tetrachloroethane	14.144	83	25383	10.76	ug/L		98
85) 1,2,3-trichloropropane	14.296	75	24157	11.59	ug/L		100
86) n-propylbenzene	14.947	91	122558	11.47	ug/L		100
87) 2-chlorotoluene	15.067	91	74966	11.54	ug/L		100
88) 4-chlorotoluene	15.145	91	73404	11.60	ug/L		96
89) 1,3,5-trimethylbenzene	15.223	105	85690	10.44	ug/L		93
90) tert-butylbenzene	15.527	91	52692	11.70	ug/L		95
91) 1,2,4-trimethylbenzene	15.633	105	81720	10.39	ug/L		99
92) sec-butylbenzene	15.746	105	117545	11.60	ug/L		98

ACCUTEST LABORATORIES MC26923

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82693.D
Acq On : 25 Nov 2013 2:24 pm
Operator : jaclynb
Sample : ic3086-10
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 26 10:01:14 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:00:49 2013
Response via : Initial Calibration

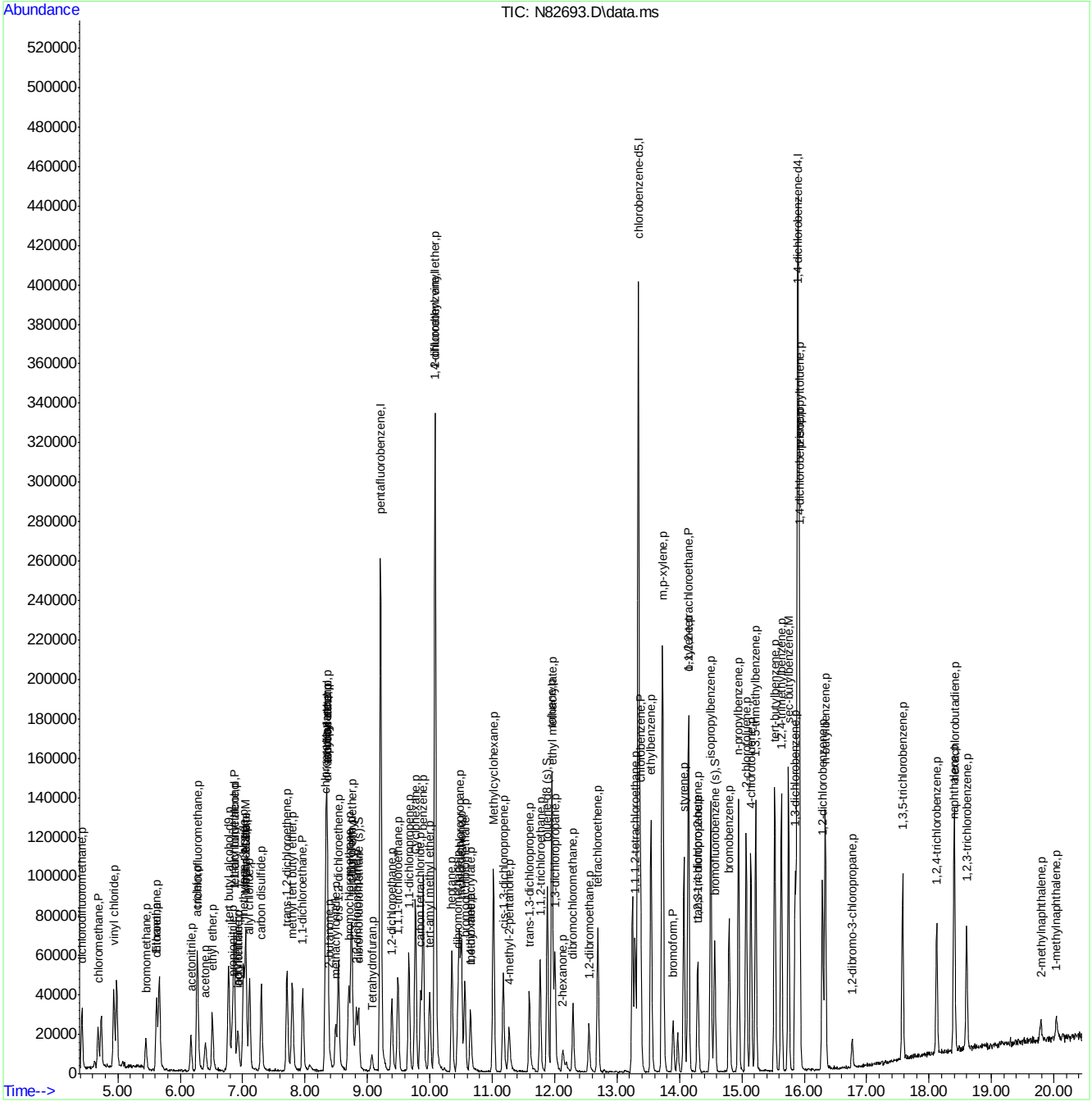
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	15.859	146	44507	10.44	ug/L		96
94) p-isopropyltoluene	15.919	119	87972	11.55	ug/L		97
95) 1,4-dichlorobenzene	15.923	146	42631	10.28	ug/L		98
96) 1,2-dichlorobenzene	16.290	146	42088	10.04	ug/L		96
97) n-butylbenzene	16.336	91	82991	11.22	ug/L		100
98) 1,2-dibromo-3-chloropr...	16.768	75	4026	11.12	ug/L		85
99) 1,2,4-trichlorobenzene	18.118	180	22514	10.96	ug/L		96
100) 1,3,5-trichlorobenzene	17.577	180	30900	11.19	ug/L		98
101) hexachlorobutadiene	18.408	225	19474	11.35	ug/L		96
102) naphthalene	18.394	128	39790	12.39	ug/L		100
103) 1,2,3-trichlorobenzene	18.602	180	21712	10.69	ug/L		94
104) 2-methylnaphthalene	19.794	142	6345	5.11	ug/L	#	93
105) 1-methylnaphthalene	20.041	142	6392m	4.26	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82693.D
Acq On : 25 Nov 2013 2:24 pm
Operator : jaclynb
Sample : ic3086-10
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 26 10:01:14 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:00:49 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 11/26/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82694.D
Acq On : 25 Nov 2013 2:51 pm
Operator : jaclynb
Sample : ic3086-25
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 26 10:01:50 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:01:33 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.773	65	93115	500.00	ug/L		0.00
4) pentafluorobenzene	9.213	168	198296	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	305568	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	163352	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	132207	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	48473	32.28	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 64.56%#				
60) toluene-d8 (s)	11.882	98	188048	30.66	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 61.32%#				
82) bromofluorobenzene (s)	14.561	95	71840	26.51	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 53.02%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.858	59	57568	226.84	ug/L		92
3) Ethanol	5.621	45	86436	2229.27	ug/L		100
5) dichlorodifluoromethane	4.426	85	71781	23.83	ug/L		98
6) chloromethane	4.684	50	61495	20.91	ug/L		98
7) vinyl chloride	4.938	62	82015	22.46	ug/L		95
8) bromomethane	5.451	96	30187	26.15	ug/L		93
9) chloroethane	5.621	64	37234	24.49	ug/L		89
10) ethyl ether	6.512	59	48877	22.81	ug/L		98
11) acetonitrile	6.169	41	20648	11.68	ug/L		99
12) trichlorofluoromethane	6.275	101	97044	23.67	ug/L		93
13) freon-113	7.053	101	54580	23.67	ug/L		98
14) acrolein	6.268	56	62489	134.14	ug/L		100
15) 1,1-dichloroethene	6.862	96	49387	19.99	ug/L		89
16) acetone	6.406	58	8569	25.78	ug/L	#	60
17) Methyl Acetate	7.042	43	88293	23.96	ug/L	#	94
18) methylene chloride	7.010	84	56644	22.63	ug/L	#	76
19) methyl tert butyl ether	7.791	73	109991	23.01	ug/L		92
20) acrylonitrile	6.918	53	22324	24.20	ug/L		96
21) allyl chloride	7.109	41	89885	25.52	ug/L		88
22) trans-1,2-dichloroethene	7.710	96	52003	22.35	ug/L		94
23) iodomethane	6.925	142	40815	29.08	ug/L		99
24) carbon disulfide	7.300	76	172989	24.33	ug/L		100
25) propionitrile	6.837	54	1081	19.91	ug/L		100
26) vinyl acetate	7.042	43	88293	23.96	ug/L		92
27) chloroprene	8.329	53	91357	25.27	ug/L		86
28) di-isopropyl ether	8.353	45	206862	24.22	ug/L		96
29) methacrylonitrile	8.488	41	39141	27.22	ug/L		98
30) 2-butanone	8.385	72	6705	26.77	ug/L	#	1
31) Hexane	8.339	41	95352	23.88	ug/L	#	83
32) 1,1-dichloroethane	7.965	63	108559	22.39	ug/L		95
33) tert-butyl ethyl ether	8.753	59	92190	28.92	ug/L		93
34) isobutyl alcohol	8.350	43	182146	122.63	ug/L		62
35) 2,2-dichloropropane	8.820	77	54090	28.60	ug/L		97
36) cis-1,2-dichloroethene	8.530	96	57673	22.23	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82694.D
Acq On : 25 Nov 2013 2:51 pm
Operator : jaclynb
Sample : ic3086-25
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 26 10:01:50 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:01:33 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.350	43	183015	24.75	ug/L		95
38) bromochloromethane	8.696	128	25763	24.09	ug/L	#	84
39) chloroform	8.732	83	100233	22.75	ug/L		97
41) Tetrahydrofuran	9.068	42	16264	24.19	ug/L		90
42) 1,1,1-trichloroethane	9.485	97	80697	26.50	ug/L		99
44) Cyclohexane	9.768	56	109243	24.81	ug/L		94
45) carbon tetrachloride	9.856	117	65805	26.67	ug/L		96
46) 1,1-dichloropropene	9.665	75	75302	25.30	ug/L		99
47) benzene	9.891	78	217868	22.07	ug/L		97
48) 1,2-dichloroethane	9.389	62	79304	23.32	ug/L		100
49) tert-amyl methyl ether	10.001	73	82995	23.49	ug/L		91
50) heptane	10.354	43	72642	23.30	ug/L		87
51) trichloroethene	10.507	95	57509	22.75	ug/L		97
52) 1,2-dichloropropane	10.471	63	64044	24.27	ug/L		99
53) dibromomethane	10.446	93	33994	23.85	ug/L		93
54) bromodichloromethane	10.563	83	77022	23.76	ug/L		99
55) Methylcyclohexane	11.019	83	101064	24.00	ug/L		94
56) 2-chloroethyl vinyl ether	10.082	63	72694	9.29	ug/L	#	44
57) methyl methacrylate	10.644	69	33402	24.69	ug/L	#	81
58) 1,4-dioxane	10.655	88	2832	127.27	ug/L		72
59) cis-1,3-dichloropropene	11.175	75	83682	25.81	ug/L		99
61) 4-methyl-2-pentanone	11.267	43	53159	24.23	ug/L		93
62) toluene	11.956	92	128649	23.45	ug/L		97
63) trans-1,3-dichloropropene	11.592	75	68478	25.31	ug/L		94
64) 1,1,2-trichloroethane	11.769	83	43067	23.39	ug/L		94
65) ethyl methacrylate	11.960	69	60192	24.18	ug/L		90
67) tetrachloroethene	12.691	166	57359	21.84	ug/L		92
68) 1,3-dichloropropane	12.002	76	82241	23.62	ug/L		100
69) dibromochloromethane	12.292	129	52243	23.26	ug/L		96
70) 1,2-dibromoethane	12.546	107	48124	24.00	ug/L		99
71) 2-hexanone	12.122	43	36498	25.61	ug/L		99
72) chlorobenzene	13.377	112	140815	22.41	ug/L		97
73) 1,1,1,2-tetrachloroethane	13.285	131	47126	22.67	ug/L		96
74) ethylbenzene	13.543	91	256040	22.71	ug/L		98
75) m,p-xylene	13.731	106	200028	45.63	ug/L		95
76) o-xylene	14.141	106	98043	22.41	ug/L		89
77) styrene	14.070	104	146928	24.91	ug/L		96
78) bromoform	13.900	173	34767	23.82	ug/L		98
79) trans-1,4-dichloro-2-b...	14.289	53	12473	26.78	ug/L	#	60
81) isopropylbenzene	14.501	105	253409	23.69	ug/L		99
83) bromobenzene	14.795	156	57907	23.68	ug/L		98
84) 1,1,2,2-tetrachloroethane	14.144	83	64538	23.17	ug/L		100
85) 1,2,3-trichloropropane	14.296	75	61110	23.88	ug/L		94
86) n-propylbenzene	14.947	91	313583	23.99	ug/L		98
87) 2-chlorotoluene	15.067	91	187119	23.49	ug/L		99
88) 4-chlorotoluene	15.141	91	187865	24.17	ug/L		98
89) 1,3,5-trimethylbenzene	15.223	105	215884	22.37	ug/L		98
90) tert-butylbenzene	15.527	91	132404	23.87	ug/L		97
91) 1,2,4-trimethylbenzene	15.633	105	211103	22.84	ug/L		98
92) sec-butylbenzene	15.746	105	296027	23.79	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82694.D
Acq On : 25 Nov 2013 2:51 pm
Operator : jaclynb
Sample : ic3086-25
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 26 10:01:50 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:01:33 2013
Response via : Initial Calibration

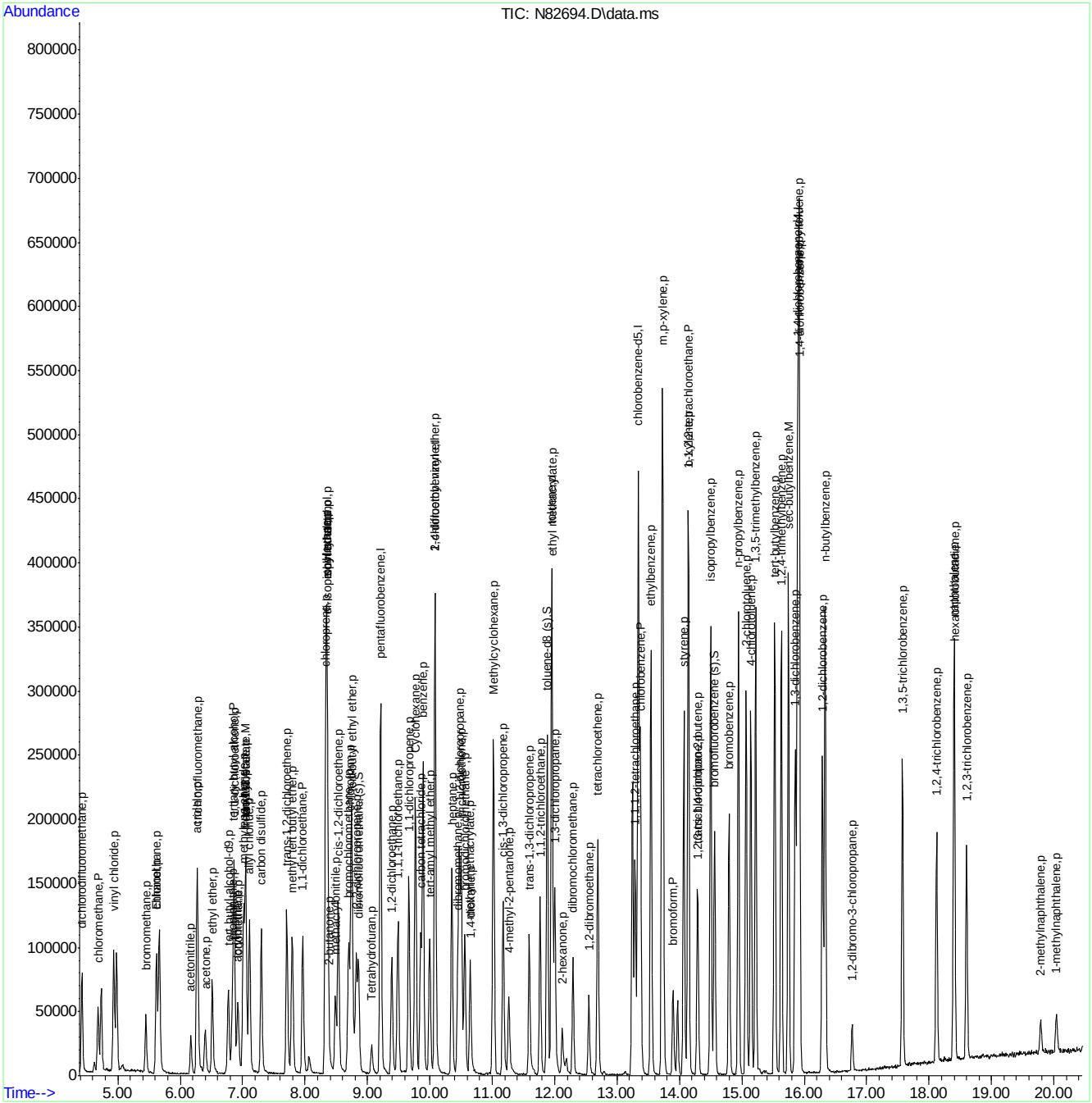
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.855	146	112250	22.38	ug/L	93
94) p-isopropyltoluene	15.916	119	231140	24.75	ug/L	98
95) 1,4-dichlorobenzene	15.926	146	110462	22.73	ug/L	93
96) 1,2-dichlorobenzene	16.290	146	109469	22.38	ug/L	98
97) n-butylbenzene	16.333	91	224051	24.96	ug/L	95
98) 1,2-dibromo-3-chloropr...	16.764	75	10677	24.39	ug/L	94
99) 1,2,4-trichlorobenzene	18.118	180	62564	25.32	ug/L	100
100) 1,3,5-trichlorobenzene	17.574	180	80069	23.92	ug/L	98
101) hexachlorobutadiene	18.408	225	48177	23.05	ug/L	92
102) naphthalene	18.397	128	127950	32.62	ug/L	100
103) 1,2,3-trichlorobenzene	18.602	180	60380	24.93	ug/L	98
104) 2-methylnaphthalene	19.790	142	15122m	10.37	ug/L	
105) 1-methylnaphthalene	20.034	142	17259	10.37	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82694.D
Acq On : 25 Nov 2013 2:51 pm
Operator : jaclynb
Sample : ic3086-25
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 26 10:01:50 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:01:33 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82695.D
Acq On : 25 Nov 2013 3:19 pm
Operator : jaclynb
Sample : icc3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 26 09:23:08 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 21 14:14:31 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.766	65	86019	500.00	ug/L		-0.01
4) pentafluorobenzene	9.209	168	205694	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	316548	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	168228	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.891	152	146549	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.855	113	101345	44.70	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.40%				
60) toluene-d8 (s)	11.882	98	386441	44.00	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 88.00%				
82) bromofluorobenzene (s)	14.561	95	151653	45.54	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.08%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.858	59	110979	428.36	ug/L		92
3) Ethanol	5.617	45	167179	4294.67	ug/L		99
5) dichlorodifluoromethane	4.426	85	134632	42.60	ug/L		99
6) chloromethane	4.680	50	118165	35.19	ug/L		97
7) vinyl chloride	4.935	62	157360	40.92	ug/L		99
8) bromomethane	5.447	96	62936	49.74	ug/L		97
9) chloroethane	5.617	64	72614	49.53	ug/L		100
10) ethyl ether	6.512	59	98711	46.14	ug/L		90
12) trichlorofluoromethane	6.275	101	186561	49.07	ug/L		97
13) freon-113	7.052	101	107614	44.77	ug/L		98
14) acrolein	6.264	56	118321	325.14	ug/L		100
15) 1,1-dichloroethene	6.862	96	97156	42.80	ug/L		95
16) acetone	6.398	58	14665	34.80	ug/L	#	74
17) Methyl Acetate	7.042	43	173441	55.63	ug/L	#	94
18) methylene chloride	7.010	84	113983	42.52	ug/L		85
19) methyl tert butyl ether	7.795	73	228392	40.38	ug/L		96
20) acrylonitrile	6.915	53	44952	50.62	ug/L		96
21) allyl chloride	7.105	41	183242	49.44	ug/L		90
22) trans-1,2-dichloroethene	7.706	96	102783	42.00	ug/L		92
23) iodomethane	6.929	142	94678	40.21	ug/L		93
24) carbon disulfide	7.300	76	348439	44.15	ug/L		100
25) propionitrile	6.847	54	2208	60.82	ug/L		100
26) vinyl acetate	7.042	43	173441	55.63	ug/L		88
27) chloroprene	8.329	53	186388	44.09	ug/L		91
28) di-isopropyl ether	8.353	45	421731	45.64	ug/L		95
29) methacrylonitrile	8.481	41	71421	46.20	ug/L		89
30) 2-butanone	8.371	72	13777	39.80	ug/L	#	20
31) Hexane	8.339	41	192370	43.79	ug/L	#	82
32) 1,1-dichloroethane	7.965	63	218485	43.42	ug/L		98
33) tert-butyl ethyl ether	8.749	59	227525	39.35	ug/L		95
34) isobutyl alcohol	8.350	43	359018	220.65	ug/L		65
35) 2,2-dichloropropane	8.820	77	129870	43.84	ug/L		100
36) cis-1,2-dichloroethene	8.530	96	114555	41.92	ug/L		95
37) ethyl acetate	8.350	43	359018	44.13	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82695.D
Acq On : 25 Nov 2013 3:19 pm
Operator : jaclynb
Sample : icc3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 26 09:23:08 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 21 14:14:31 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.700	128	53056	44.82	ug/L		89
39) chloroform	8.739	83	205693	41.60	ug/L		98
41) Tetrahydrofuran	9.068	42	32014	48.42	ug/L		79
42) 1,1,1-trichloroethane	9.488	97	167727	46.88	ug/L		99
44) Cyclohexane	9.768	56	222971	46.96	ug/L		92
45) carbon tetrachloride	9.852	117	140781	45.62	ug/L		95
46) 1,1-dichloropropene	9.665	75	151116	43.21	ug/L		98
47) benzene	9.891	78	445451	40.51	ug/L		99
48) 1,2-dichloroethane	9.389	62	162307	39.78	ug/L		98
49) tert-amyl methyl ether	9.997	73	185901	38.63	ug/L		93
50) heptane	10.351	43	146572	49.03	ug/L		91
51) trichloroethene	10.503	95	120728	40.45	ug/L		91
52) 1,2-dichloropropane	10.475	63	131856	44.42	ug/L		100
53) dibromomethane	10.450	93	69830	39.87	ug/L		94
54) bromodichloromethane	10.559	83	158664	41.08	ug/L		98
55) Methylcyclohexane	11.019	83	205856	45.10	ug/L		95
56) 2-chloroethyl vinyl ether	10.082	63	75210	25.37	ug/L	#	44
57) methyl methacrylate	10.648	69	69056	45.01	ug/L	#	81
58) 1,4-dioxane	10.658	88	5915	247.99	ug/L	#	62
59) cis-1,3-dichloropropene	11.171	75	177455	44.39	ug/L		98
61) 4-methyl-2-pentanone	11.263	43	108008	44.54	ug/L		93
62) toluene	11.952	92	266668	41.94	ug/L		98
63) trans-1,3-dichloropropene	11.588	75	144400	43.15	ug/L		95
64) 1,1,2-trichloroethane	11.769	83	88786	41.34	ug/L		97
65) ethyl methacrylate	11.959	69	127886	44.71	ug/L		87
67) tetrachloroethene	12.691	166	116483	41.53	ug/L		97
68) 1,3-dichloropropane	11.998	76	171452	44.51	ug/L		95
69) dibromochloromethane	12.292	129	111673	42.77	ug/L		97
70) 1,2-dibromoethane	12.546	107	100120	43.29	ug/L		99
71) 2-hexanone	12.115	43	75299	38.32	ug/L		97
72) chlorobenzene	13.374	112	293663	42.40	ug/L		97
73) 1,1,1,2-tetrachloroethane	13.289	131	98591	41.64	ug/L		98
74) ethylbenzene	13.543	91	526148	42.15	ug/L		98
75) m,p-xylene	13.727	106	411916	82.74	ug/L		97
76) o-xylene	14.141	106	204453	41.74	ug/L		100
77) styrene	14.070	104	318157	44.33	ug/L		98
78) bromoform	13.900	173	75843	46.92	ug/L		99
79) trans-1,4-dichloro-2-b...	14.289	53	27623	45.72	ug/L	#	54
81) isopropylbenzene	14.501	105	539982	43.40	ug/L		98
83) bromobenzene	14.798	156	122886	42.74	ug/L		94
84) 1,1,2,2-tetrachloroethane	14.141	83	130986	39.69	ug/L		98
85) 1,2,3-trichloropropane	14.289	75	130243	45.11	ug/L		95
86) n-propylbenzene	14.943	91	660675	43.92	ug/L		98
87) 2-chlorotoluene	15.067	91	393726	43.63	ug/L		100
88) 4-chlorotoluene	15.145	91	398430	44.08	ug/L		97
89) 1,3,5-trimethylbenzene	15.219	105	463787	41.21	ug/L		97
90) tert-butylbenzene	15.527	91	284938	43.14	ug/L		98
91) 1,2,4-trimethylbenzene	15.633	105	448924	41.33	ug/L		96
92) sec-butylbenzene	15.746	105	633279	43.71	ug/L		100
93) 1,3-dichlorobenzene	15.855	146	246273	41.17	ug/L		99

ACCUTEST LABORATORIES MC26923

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82695.D
Acq On : 25 Nov 2013 3:19 pm
Operator : jaclynb
Sample : icc3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 26 09:23:08 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 21 14:14:31 2013
Response via : Initial Calibration

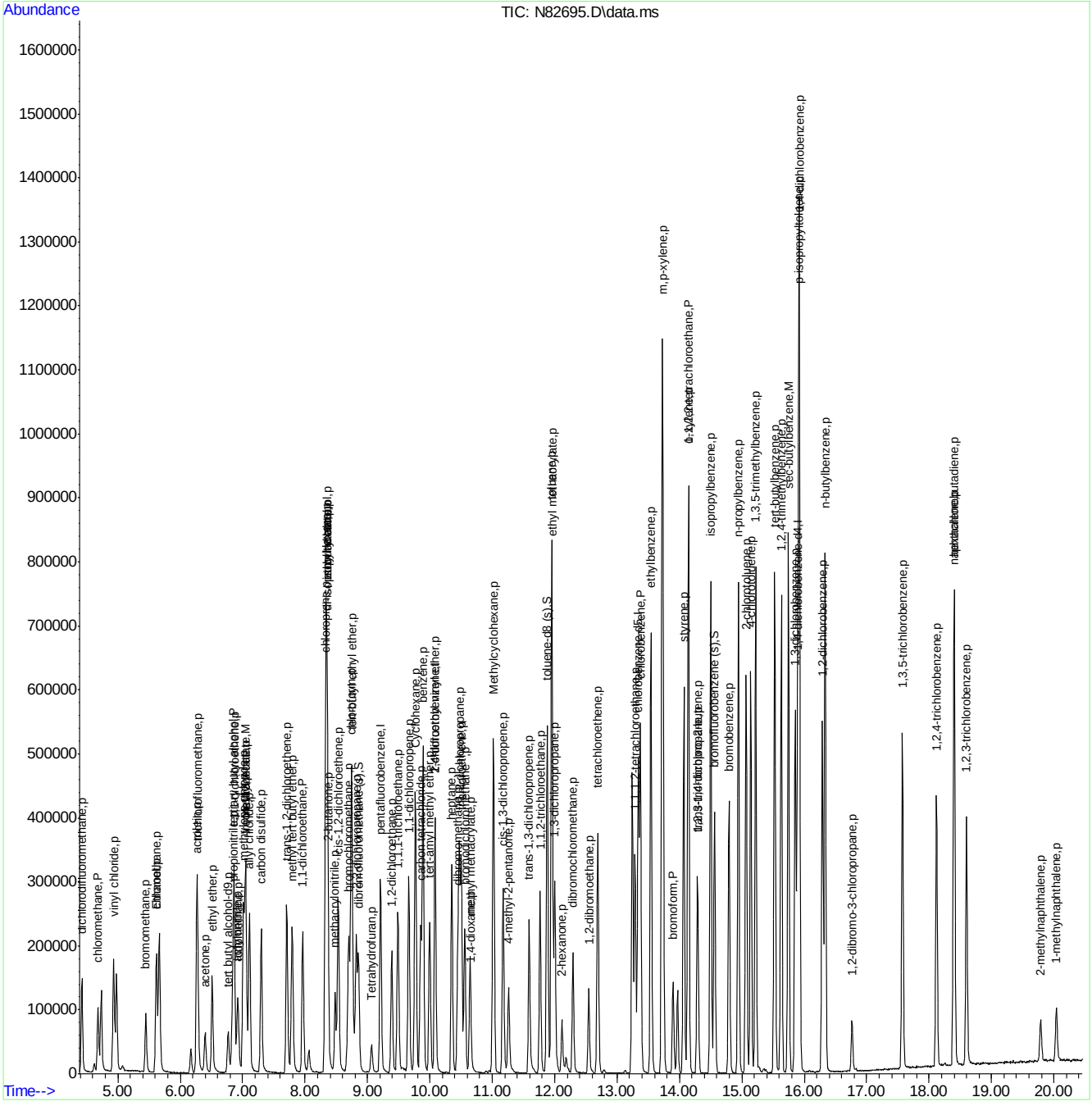
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	p-isopropyltoluene	15.915	119	488949	43.83	ug/L	100
95)	1,4-dichlorobenzene	15.922	146	239802	40.80	ug/L	99
96)	1,2-dichlorobenzene	16.290	146	236419	41.43	ug/L	99
97)	n-butylbenzene	16.333	91	489078	45.19	ug/L	97
98)	1,2-dibromo-3-chloropr...	16.764	75	22214	44.96	ug/L	98
99)	1,2,4-trichlorobenzene	18.118	180	145054	47.02	ug/L	99
100)	1,3,5-trichlorobenzene	17.573	180	175440	45.23	ug/L	99
101)	hexachlorobutadiene	18.404	225	106842	47.75	ug/L	96
102)	naphthalene	18.397	128	308269	49.91	ug/L	100
103)	1,2,3-trichlorobenzene	18.599	180	138615	47.59	ug/L	99
104)	2-methylnaphthalene	19.790	142	39900	22.61	ug/L	99
105)	1-methylnaphthalene	20.038	142	49129	24.52	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82695.D
Acq On : 25 Nov 2013 3:19 pm
Operator : jaclynb
Sample : icc3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 26 09:23:08 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 21 14:14:31 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82696.D
Acq On : 25 Nov 2013 3:47 pm
Operator : jaclynb
Sample : ic3086-100
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 26 10:02:07 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:00 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.770	65	93337	500.00	ug/L		0.00
4) pentafluorobenzene	9.213	168	222712	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	337754	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	182530	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	164723	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	216903	123.47	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 246.94%#				
60) toluene-d8 (s)	11.878	98	826763	118.12	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 236.24%#				
82) bromofluorobenzene (s)	14.561	95	332237	97.55	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 195.10%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.855	59	231581	927.54	ug/L		97
3) Ethanol	5.614	45	338496	8902.20	ug/L		100
5) dichlorodifluoromethane	4.426	85	285963	85.11	ug/L		98
6) chloromethane	4.680	50	265748	82.40	ug/L		100
7) vinyl chloride	4.931	62	332134	82.19	ug/L		98
8) bromomethane	5.447	96	139134	106.34	ug/L		98
9) chloroethane	5.614	64	154012	90.45	ug/L		100
10) ethyl ether	6.512	59	213847	89.97	ug/L		93
11) acetonitrile	6.169	41	33086	18.04	ug/L		98
12) trichlorofluoromethane	6.275	101	394150	86.26	ug/L		99
13) freon-113	7.053	101	232266	90.47	ug/L		99
14) acrolein	6.261	56	262890	493.42	ug/L		100
15) 1,1-dichloroethene	6.865	96	203529	75.51	ug/L		96
16) acetone	6.398	58	27093	72.02	ug/L	#	75
17) Methyl Acetate	7.038	43	361687	88.32	ug/L		96
18) methylene chloride	7.010	84	246333	89.01	ug/L	#	82
19) methyl tert butyl ether	7.795	73	558565	105.22	ug/L		96
20) acrylonitrile	6.915	53	93999	91.45	ug/L		99
21) allyl chloride	7.106	41	401380	100.95	ug/L		91
22) trans-1,2-dichloroethene	7.710	96	223490	86.85	ug/L		94
23) iodomethane	6.929	142	241805	147.37	ug/L		96
24) carbon disulfide	7.296	76	753059	94.82	ug/L		99
25) propionitrile	6.833	54	4019	70.70	ug/L		100
26) vinyl acetate	7.038	43	361687	88.32	ug/L		92
27) chloroprene	8.329	53	416337	102.34	ug/L		93
28) di-isopropyl ether	8.354	45	907912	95.26	ug/L		98
29) methacrylonitrile	8.481	41	152992	93.08	ug/L		87
30) 2-butanone	8.371	72	28516	99.62	ug/L	#	16
31) Hexane	8.339	41	414810	93.55	ug/L	#	85
32) 1,1-dichloroethane	7.961	63	477882	89.10	ug/L		99
33) tert-butyl ethyl ether	8.749	59	587416	159.08	ug/L		93
34) isobutyl alcohol	8.350	43	767302	462.15	ug/L		72
35) 2,2-dichloropropane	8.824	77	315900	143.53	ug/L		98
36) cis-1,2-dichloroethene	8.534	96	249356	86.96	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82696.D
Acq On : 25 Nov 2013 3:47 pm
Operator : jaclynb
Sample : ic3086-100
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 26 10:02:07 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:00 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.350	43	770306	92.95	ug/L		91
38) bromochloromethane	8.696	128	115625	96.85	ug/L		91
39) chloroform	8.735	83	446914	91.50	ug/L		97
41) Tetrahydrofuran	9.061	42	68995	92.12	ug/L		93
42) 1,1,1-trichloroethane	9.488	97	373765	108.34	ug/L		99
44) Cyclohexane	9.771	56	487208	100.25	ug/L		94
45) carbon tetrachloride	9.852	117	316245	114.67	ug/L		100
46) 1,1-dichloropropene	9.665	75	332581	100.85	ug/L		99
47) benzene	9.891	78	986017	91.89	ug/L		100
48) 1,2-dichloroethane	9.389	62	359414	96.71	ug/L		98
49) tert-amyl methyl ether	9.997	73	477914	123.63	ug/L		93
50) heptane	10.351	43	325607	95.57	ug/L		85
51) trichloroethene	10.507	95	263508	95.54	ug/L		98
52) 1,2-dichloropropane	10.475	63	294016	101.39	ug/L		99
53) dibromomethane	10.446	93	157207	100.70	ug/L		95
54) bromodichloromethane	10.560	83	355170	99.93	ug/L		95
55) Methylcyclohexane	11.019	83	453408	98.05	ug/L		95
56) 2-chloroethyl vinyl ether	10.082	63	81055	11.12	ug/L	#	44
57) methyl methacrylate	10.644	69	156693	105.10	ug/L		83
58) 1,4-dioxane	10.648	88	12112	489.49	ug/L		90
59) cis-1,3-dichloropropene	11.171	75	407757	113.25	ug/L		99
61) 4-methyl-2-pentanone	11.260	43	238714	99.21	ug/L		93
62) toluene	11.952	92	588550	98.07	ug/L		97
63) trans-1,3-dichloropropene	11.592	75	334618	111.68	ug/L		100
64) 1,1,2-trichloroethane	11.765	83	195867	97.29	ug/L		98
65) ethyl methacrylate	11.960	69	284159	104.13	ug/L		88
67) tetrachloroethene	12.691	166	262551	91.11	ug/L		98
68) 1,3-dichloropropane	12.002	76	376026	97.54	ug/L		97
69) dibromochloromethane	12.292	129	257288	103.56	ug/L		97
70) 1,2-dibromoethane	12.546	107	225845	101.61	ug/L		100
71) 2-hexanone	12.112	43	166034	103.64	ug/L		96
72) chlorobenzene	13.374	112	649058	94.08	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.289	131	226282	98.72	ug/L		97
74) ethylbenzene	13.543	91	1172691	94.51	ug/L		98
75) m,p-xylene	13.727	106	917282	189.63	ug/L		97
76) o-xylene	14.144	106	455860	94.64	ug/L		96
77) styrene	14.070	104	717860	108.99	ug/L		96
78) bromoform	13.897	173	176098	108.83	ug/L		98
79) trans-1,4-dichloro-2-b...	14.286	53	69148	130.53	ug/L	#	77
81) isopropylbenzene	14.501	105	1209307	91.68	ug/L		98
83) bromobenzene	14.795	156	282272	93.63	ug/L		97
84) 1,1,2,2-tetrachloroethane	14.141	83	292637	85.21	ug/L		96
85) 1,2,3-trichloropropane	14.289	75	303479	96.27	ug/L		100
86) n-propylbenzene	14.947	91	1473442	91.40	ug/L		100
87) 2-chlorotoluene	15.071	91	884644	90.51	ug/L		98
88) 4-chlorotoluene	15.145	91	895177	93.21	ug/L		99
89) 1,3,5-trimethylbenzene	15.223	105	1042222	88.22	ug/L		96
90) tert-butylbenzene	15.527	91	630730	92.30	ug/L		97
91) 1,2,4-trimethylbenzene	15.629	105	1015835	89.49	ug/L		99
92) sec-butylbenzene	15.746	105	1410200	92.08	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82696.D
Acq On : 25 Nov 2013 3:47 pm
Operator : jaclynb
Sample : ic3086-100
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 26 10:02:07 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:00 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.855	146	559242	91.09	ug/L	98
94) p-isopropyltoluene	15.916	119	1102310	94.96	ug/L	99
95) 1,4-dichlorobenzene	15.923	146	546634	91.66	ug/L	96
96) 1,2-dichlorobenzene	16.290	146	542663	90.61	ug/L	99
97) n-butylbenzene	16.333	91	1114273	99.68	ug/L	100
98) 1,2-dibromo-3-chloropr...	16.768	75	51950	95.82	ug/L	98
99) 1,2,4-trichlorobenzene	18.118	180	348256	112.75	ug/L	98
100) 1,3,5-trichlorobenzene	17.574	180	399513	96.84	ug/L	98
101) hexachlorobutadiene	18.408	225	243129	95.20	ug/L	98
102) naphthalene	18.394	128	754662	146.95	ug/L	100
103) 1,2,3-trichlorobenzene	18.602	180	325721	108.01	ug/L	100
104) 2-methylnaphthalene	19.787	142	123150	70.78	ug/L	100
105) 1-methylnaphthalene	20.041	142	132118	66.56	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.19

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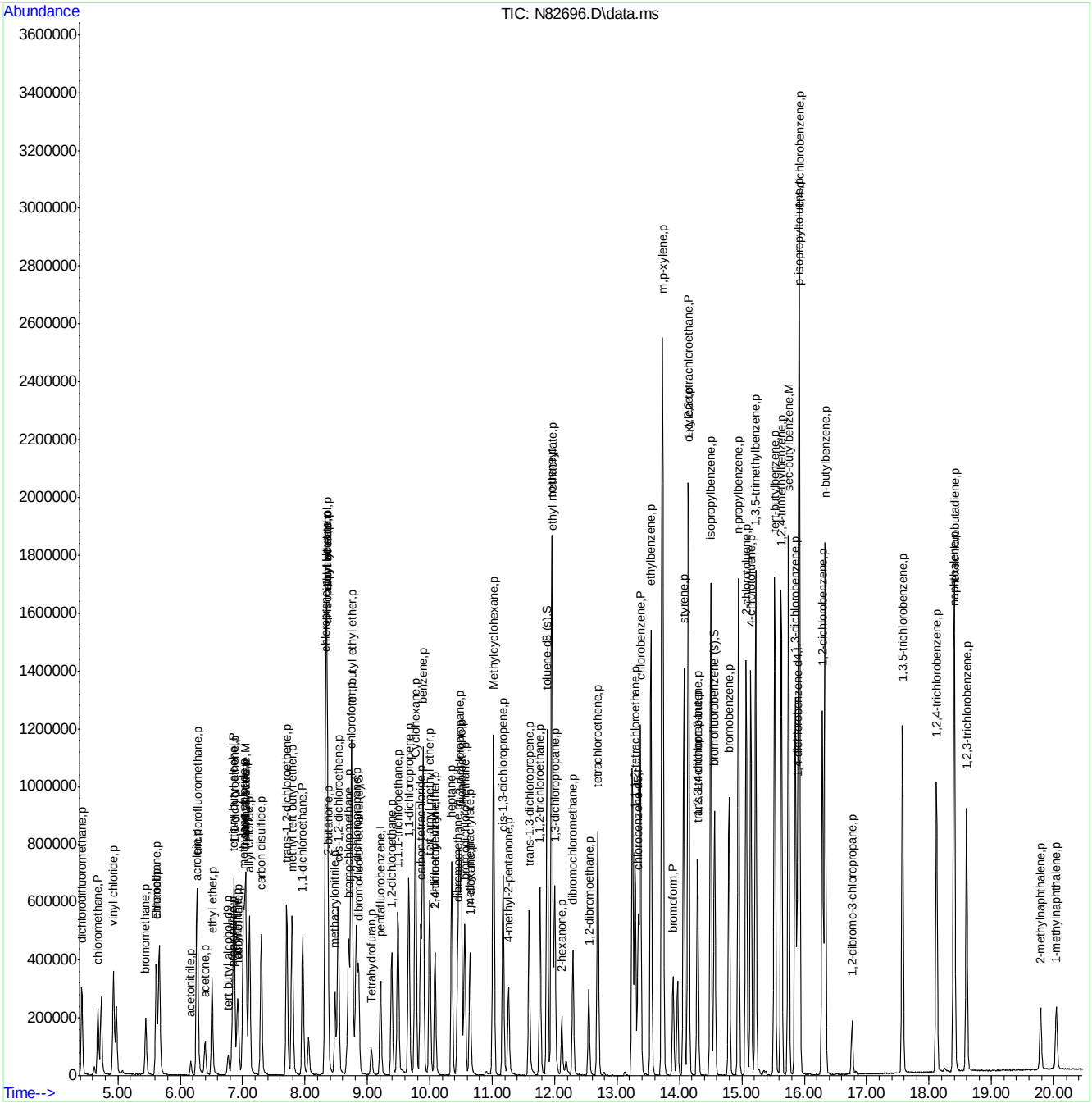
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82696.D
Acq On : 25 Nov 2013 3:47 pm
Operator : jaclynb
Sample : ic3086-100
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 26 10:02:07 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:00 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82697.D
Acq On : 25 Nov 2013 4:15 pm
Operator : jaclynb
Sample : ic3086-200
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 26 10:02:29 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.766	65	82125	500.00	ug/L		0.00
4) pentafluorobenzene	9.209	168	232263	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	356468	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	193054	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	177219	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.856	113	442950	234.89	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 469.78%#				
60) toluene-d8 (s)	11.878	98	1632191	216.06	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 432.12%#				
82) bromofluorobenzene (s)	14.562	95	692987	189.70	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 379.40%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.855	59	447480	2061.86	ug/L		99
3) Ethanol	5.617	45	652899	19878.69	ug/L		100
5) dichlorodifluoromethane	4.422	85	536093	155.90	ug/L		98
6) chloromethane	4.680	50	550408	167.32	ug/L		97
7) vinyl chloride	4.928	62	616013	149.49	ug/L		99
8) bromomethane	5.448	96	317451	230.23	ug/L		99
9) chloroethane	5.617	64	300161	171.08	ug/L		97
10) ethyl ether	6.508	59	439904	179.72	ug/L		91
11) acetonitrile	6.169	41	28066	16.35	ug/L		99
12) trichlorofluoromethane	6.275	101	732490	156.40	ug/L		98
13) freon-113	7.049	101	357198	135.25	ug/L		98
14) acrolein	6.261	56	527681	952.19	ug/L		100
15) 1,1-dichloroethene	6.862	96	337001	123.68	ug/L		91
16) acetone	6.395	58	48752	131.63	ug/L		86
17) Methyl Acetate	7.035	43	688277	165.01	ug/L	#	94
18) methylene chloride	7.010	84	493402	173.69	ug/L	#	83
19) methyl tert butyl ether	7.791	73	1266806	227.34	ug/L		93
20) acrylonitrile	6.915	53	199863	189.70	ug/L		100
21) allyl chloride	7.106	41	740253	178.19	ug/L		91
22) trans-1,2-dichloroethene	7.707	96	412695	156.34	ug/L		95
23) iodomethane	6.925	142	466468	249.01	ug/L		98
24) carbon disulfide	7.300	76	1280704	155.97	ug/L		99
25) propionitrile	6.833	54	6046	110.05	ug/L		100
26) vinyl acetate	7.035	43	688277	165.01	ug/L		98
27) chloroprene	8.325	53	697524	163.86	ug/L		88
28) di-isopropyl ether	8.354	45	1824740	185.04	ug/L		96
29) methacrylonitrile	8.477	41	319211	188.39	ug/L		92
30) 2-butanone	8.364	72	54866	183.93	ug/L	#	64
31) Hexane	8.343	41	705563	154.57	ug/L	#	99
32) 1,1-dichloroethane	7.965	63	906733	164.35	ug/L		99
33) tert-butyl ethyl ether	8.749	59	1391069	328.85	ug/L		94
34) isobutyl alcohol	8.354	43	1427004	836.82	ug/L		91
35) 2,2-dichloropropane	8.820	77	592300	237.39	ug/L		98
36) cis-1,2-dichloroethene	8.530	96	496239	168.69	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82697.D
Acq On : 25 Nov 2013 4:15 pm
Operator : jaclynb
Sample : ic3086-200
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 26 10:02:29 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.354	43	1427004	167.07	ug/L		96
38) bromochloromethane	8.700	128	225726	182.12	ug/L		91
39) chloroform	8.735	83	875044	173.64	ug/L		98
41) Tetrahydrofuran	9.064	42	143938	187.24	ug/L		87
42) 1,1,1-trichloroethane	9.488	97	651160	179.12	ug/L		98
44) Cyclohexane	9.768	56	779320	151.88	ug/L		90
45) carbon tetrachloride	9.852	117	534940	180.01	ug/L		96
46) 1,1-dichloropropene	9.662	75	570250	163.61	ug/L		99
47) benzene	9.888	78	1860132	165.93	ug/L		100
48) 1,2-dichloroethane	9.386	62	758420	194.27	ug/L		99
49) tert-amyl methyl ether	9.997	73	1095881	259.83	ug/L		93
50) heptane	10.351	43	540526	151.28	ug/L		87
51) trichloroethene	10.507	95	482034	166.52	ug/L		99
52) 1,2-dichloropropane	10.475	63	596207	194.36	ug/L		99
53) dibromomethane	10.446	93	327524	198.56	ug/L		95
54) bromodichloromethane	10.560	83	734863	195.93	ug/L		98
55) Methylcyclohexane	11.019	83	742034	152.47	ug/L		95
56) 2-chloroethyl vinyl ether	10.082	63	85658	13.54	ug/L	#	44
57) methyl methacrylate	10.641	69	331431	208.51	ug/L		83
58) 1,4-dioxane	10.648	88	25281	973.18	ug/L		78
59) cis-1,3-dichloropropene	11.171	75	881608	228.22	ug/L		97
61) 4-methyl-2-pentanone	11.260	43	493441	194.62	ug/L		92
62) toluene	11.952	92	1115743	176.65	ug/L		98
63) trans-1,3-dichloropropene	11.588	75	744281	231.98	ug/L		98
64) 1,1,2-trichloroethane	11.765	83	413633	195.43	ug/L		99
65) ethyl methacrylate	11.960	69	605353	208.47	ug/L		85
67) tetrachloroethene	12.691	166	465422	154.43	ug/L		95
68) 1,3-dichloropropane	11.998	76	799851	196.86	ug/L		99
69) dibromochloromethane	12.292	129	553879	209.86	ug/L		99
70) 1,2-dibromoethane	12.546	107	491593	208.56	ug/L		99
71) 2-hexanone	12.112	43	333365	195.32	ug/L		94
72) chlorobenzene	13.374	112	1314238	181.65	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.289	131	468964	193.76	ug/L		98
74) ethylbenzene	13.543	91	2221986	170.66	ug/L		98
75) m,p-xylene	13.727	106	1747670	343.82	ug/L		95
76) o-xylene	14.141	106	904247	178.69	ug/L		96
77) styrene	14.067	104	1492306	211.05	ug/L		96
78) bromoform	13.897	173	389570	224.80	ug/L		99
79) trans-1,4-dichloro-2-b...	14.286	53	155400	261.40	ug/L	#	85
81) isopropylbenzene	14.498	105	2266418	161.96	ug/L		99
83) bromobenzene	14.795	156	599272	186.74	ug/L		98
84) 1,1,2,2-tetrachloroethane	14.141	83	612594	168.91	ug/L		95
85) 1,2,3-trichloropropane	14.289	75	645940	191.89	ug/L		98
86) n-propylbenzene	14.943	91	2760278	161.93	ug/L		99
87) 2-chlorotoluene	15.067	91	1748440	169.49	ug/L		99
88) 4-chlorotoluene	15.145	91	1795305	176.15	ug/L		99
89) 1,3,5-trimethylbenzene	15.219	105	2035536	162.89	ug/L		97
90) tert-butylbenzene	15.527	91	1188251	164.16	ug/L		97
91) 1,2,4-trimethylbenzene	15.633	105	2026154	168.43	ug/L		100
92) sec-butylbenzene	15.746	105	2618398	161.47	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82697.D
Acq On : 25 Nov 2013 4:15 pm
Operator : jaclynb
Sample : ic3086-200
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 26 10:02:29 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:24 2013
Response via : Initial Calibration

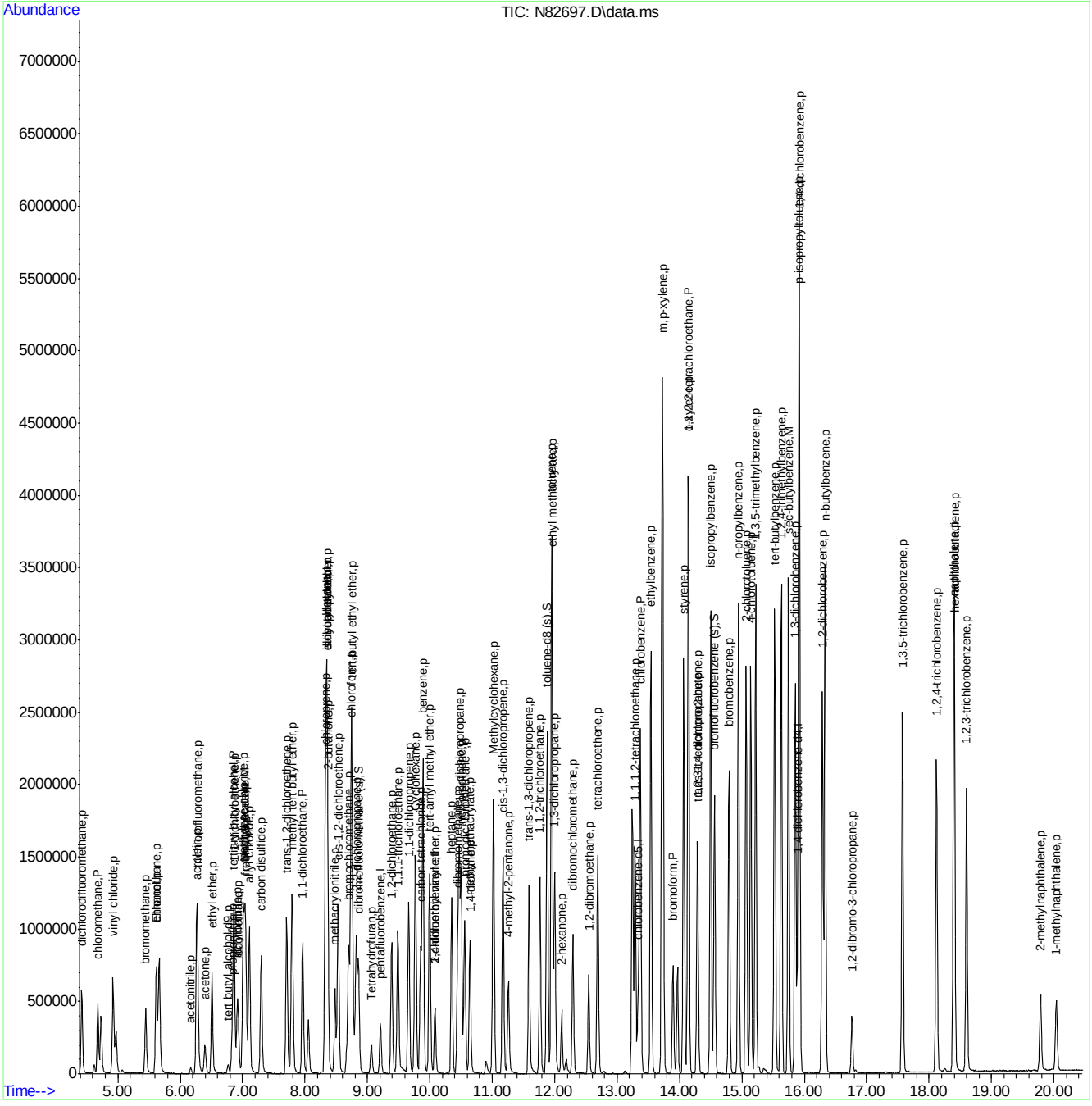
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.855	146	1169408	179.32	ug/L	97
94) p-isopropyltoluene	15.916	119	2096304	169.56	ug/L	99
95) 1,4-dichlorobenzene	15.923	146	1159142	182.84	ug/L	97
96) 1,2-dichlorobenzene	16.290	146	1158453	182.24	ug/L	99
97) n-butylbenzene	16.333	91	2091386	174.00	ug/L	100
98) 1,2-dibromo-3-chloropr...	16.764	75	109852	189.92	ug/L	96
99) 1,2,4-trichlorobenzene	18.118	180	747165	219.25	ug/L	99
100) 1,3,5-trichlorobenzene	17.574	180	835424	189.42	ug/L	99
101) hexachlorobutadiene	18.408	225	444071	163.19	ug/L	97
102) naphthalene	18.394	128	1657101	281.07	ug/L	100
103) 1,2,3-trichlorobenzene	18.599	180	701288	212.74	ug/L	96
104) 2-methylnaphthalene	19.787	142	312184	153.98	ug/L	100
105) 1-methylnaphthalene	20.041	142	300965	132.18	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82697.D
Acq On : 25 Nov 2013 4:15 pm
Operator : jaclynb
Sample : ic3086-200
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 26 10:02:29 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:24 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/26/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82698.D
Acq On : 25 Nov 2013 4:43 pm
Operator : jaclynb
Sample : ic3086-400
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 10:03:02 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:46 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.773	65	88912	500.00	ug/L		0.00
4) pentafluorobenzene	9.209	168	250929	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	390201	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	212619	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.898	152	188551	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.856	113	936468	450.91	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 901.82%#				
60) toluene-d8 (s)	11.882	98	3353774	401.98	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 803.96%#				
82) bromofluorobenzene (s)	14.562	95	1446874	374.41	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 748.82%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.858	59	922204	3907.62	ug/L		93
3) Ethanol	5.624	45	1275880	35912.29	ug/L		99
5) dichlorodifluoromethane	4.422	85	940887	259.62	ug/L		100
6) chloromethane	4.680	50	1132998	324.70	ug/L		99
7) vinyl chloride	4.914	62	1034995	239.20	ug/L		100
8) bromomethane	5.444	96	599799	394.13	ug/L		98
9) chloroethane	5.614	64	544083	291.72	ug/L		97
10) ethyl ether	6.508	59	911680	348.68	ug/L		94
11) acetonitrile	6.172	41	32997	19.82	ug/L		93
12) trichlorofluoromethane	6.275	101	1279012	259.05	ug/L		99
13) freon-113	7.049	101	813384	297.10	ug/L		98
14) acrolein	6.261	56	1083332	1823.97	ug/L		100
15) 1,1-dichloroethene	6.862	96	731911	259.64	ug/L		93
16) acetone	6.395	58	100493	266.31	ug/L		88
17) Methyl Acetate	7.035	43	1377745	314.92	ug/L	#	93
18) methylene chloride	7.010	84	1042347	345.31	ug/L	#	80
19) methyl tert butyl ether	7.791	73	2798975	457.97	ug/L		94
20) acrylonitrile	6.911	53	415642	368.32	ug/L		98
21) allyl chloride	7.106	41	1366738	310.16	ug/L		87
22) trans-1,2-dichloroethene	7.703	96	891236	320.29	ug/L		94
23) iodomethane	6.925	142	832468	395.19	ug/L		96
24) carbon disulfide	7.296	76	2788121	324.50	ug/L		100
25) propionitrile	6.830	54	9002	166.65	ug/L		100
26) vinyl acetate	7.035	43	1377745	314.92	ug/L		100
27) chloroprene	8.325	53	1521788	338.55	ug/L		87
28) di-isopropyl ether	8.354	45	3768593	357.55	ug/L		95
29) methacrylonitrile	8.481	41	686642	378.24	ug/L		88
30) 2-butanone	8.364	72	115923	364.58	ug/L	#	54
31) Hexane	8.339	41	1550910	326.86	ug/L	#	82
32) 1,1-dichloroethane	7.961	63	1940530	332.14	ug/L		99
33) tert-butyl ethyl ether	8.749	59	3254169	652.06	ug/L		95
34) isobutyl alcohol	8.350	43	3016880	1683.33	ug/L		81
35) 2,2-dichloropropane	8.820	77	1349523	485.51	ug/L		99
36) cis-1,2-dichloroethene	8.530	96	1072246	343.35	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82698.D
Acq On : 25 Nov 2013 4:43 pm
Operator : jaclynb
Sample : ic3086-400
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 10:03:02 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:46 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.350	43	3017245	334.86	ug/L		99
38) bromochloromethane	8.700	128	463202	349.83	ug/L	#	87
39) chloroform	8.735	83	1883152	351.02	ug/L		96
41) Tetrahydrofuran	9.061	42	306615	373.15	ug/L		84
42) 1,1,1-trichloroethane	9.488	97	1445201	372.30	ug/L		99
44) Cyclohexane	9.768	56	1801731	332.20	ug/L		92
45) carbon tetrachloride	9.852	117	1223531	380.89	ug/L		99
46) 1,1-dichloropropene	9.662	75	1265751	340.62	ug/L		99
47) benzene	9.888	78	4062593	337.46	ug/L		100
48) 1,2-dichloroethane	9.389	62	1594355	374.43	ug/L		98
49) tert-amyl methyl ether	9.997	73	2561923	534.91	ug/L		92
50) heptane	10.351	43	1315055	346.79	ug/L		86
51) trichloroethene	10.507	95	1053596	338.80	ug/L		99
52) 1,2-dichloropropane	10.475	63	1267657	379.05	ug/L		99
53) dibromomethane	10.446	93	709178	393.17	ug/L		96
54) bromodichloromethane	10.560	83	1607080	392.44	ug/L		98
55) Methylcyclohexane	11.019	83	1750907	338.72	ug/L		93
56) 2-chloroethyl vinyl ether	10.082	63	92941	15.89	ug/L	#	45
57) methyl methacrylate	10.644	69	726840	414.80	ug/L	#	79
58) 1,4-dioxane	10.648	88	55050	1946.36	ug/L		89
59) cis-1,3-dichloropropene	11.171	75	1891482	440.41	ug/L		98
61) 4-methyl-2-pentanone	11.260	43	1056657	382.45	ug/L		92
62) toluene	11.952	92	2431905	356.95	ug/L		100
63) trans-1,3-dichloropropene	11.588	75	1631828	456.53	ug/L		100
64) 1,1,2-trichloroethane	11.765	83	882965	382.21	ug/L		98
65) ethyl methacrylate	11.956	69	1333239	416.50	ug/L		84
67) tetrachloroethene	12.691	166	1062360	328.37	ug/L		95
68) 1,3-dichloropropane	12.002	76	1719756	385.08	ug/L		99
69) dibromochloromethane	12.292	129	1211773	414.61	ug/L		99
70) 1,2-dibromoethane	12.546	107	1058302	405.20	ug/L		98
71) 2-hexanone	12.112	43	723819	386.57	ug/L		95
72) chlorobenzene	13.374	112	2856214	362.61	ug/L		98
73) 1,1,1,2-tetrachloroethane	13.289	131	1023158	385.17	ug/L		98
74) ethylbenzene	13.543	91	4911870	348.94	ug/L		97
75) m,p-xylene	13.731	106	3861852	700.78	ug/L		94
76) o-xylene	14.141	106	1982221	359.93	ug/L		95
77) styrene	14.070	104	3258284	415.13	ug/L		96
78) bromoform	13.900	173	870034	448.89	ug/L		100
79) trans-1,4-dichloro-2-b...	14.286	53	351422	510.61	ug/L		88
81) isopropylbenzene	14.501	105	5018159	346.46	ug/L		99
83) bromobenzene	14.795	156	1279851	378.44	ug/L		97
84) 1,1,2,2-tetrachloroethane	14.144	83	1314056	346.54	ug/L		96
85) 1,2,3-trichloropropane	14.289	75	1426482	401.02	ug/L		99
86) n-propylbenzene	14.947	91	6098849	347.30	ug/L		99
87) 2-chlorotoluene	15.071	91	3779159	353.32	ug/L		97
88) 4-chlorotoluene	15.145	91	3895021	366.48	ug/L		99
89) 1,3,5-trimethylbenzene	15.223	105	4407268	339.36	ug/L		98
90) tert-butylbenzene	15.527	91	2631679	352.24	ug/L		96
91) 1,2,4-trimethylbenzene	15.633	105	4396883	350.45	ug/L		100
92) sec-butylbenzene	15.749	105	5807706	347.79	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82698.D
Acq On : 25 Nov 2013 4:43 pm
Operator : jaclynb
Sample : ic3086-400
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 10:03:02 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:46 2013
Response via : Initial Calibration

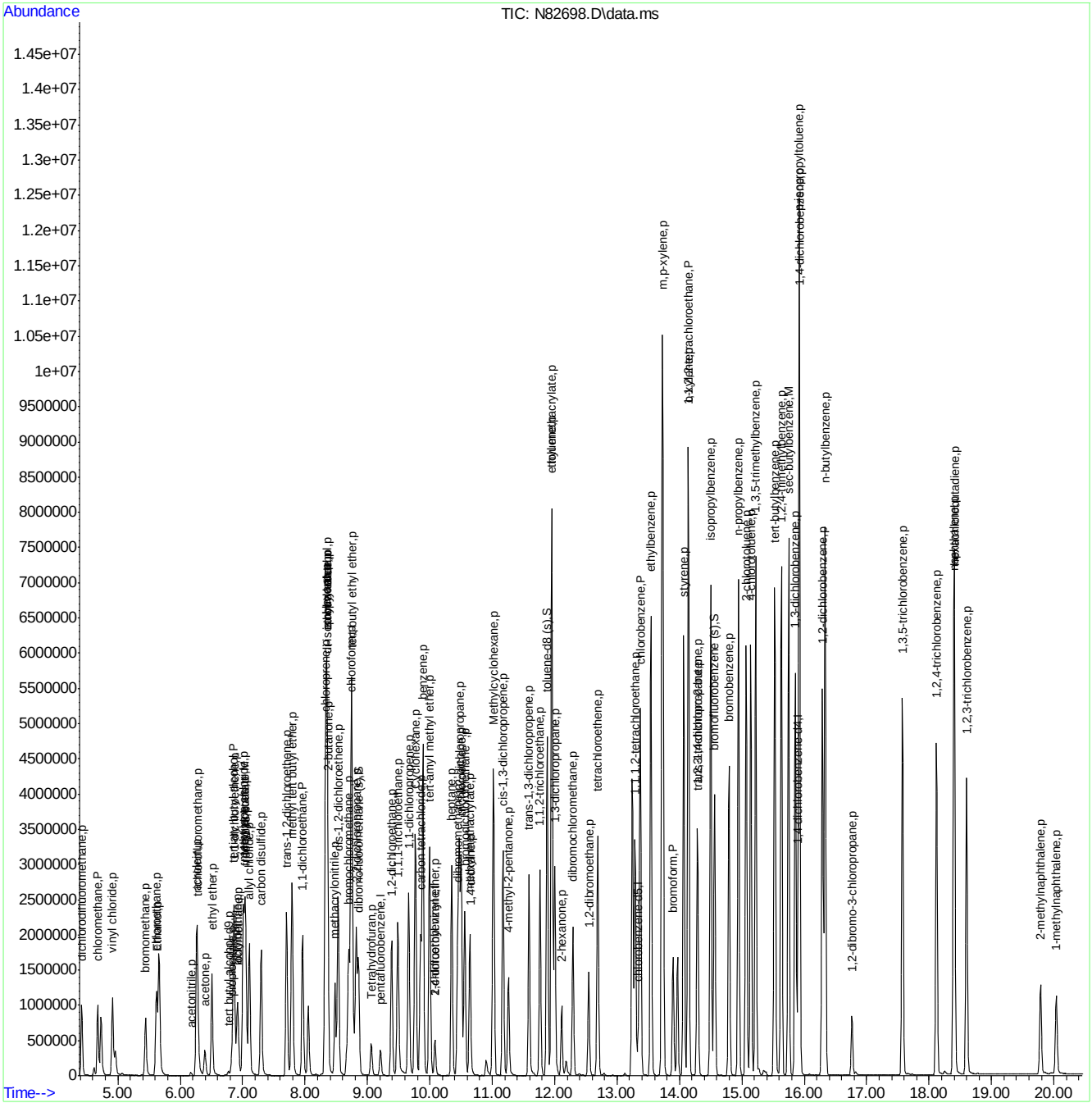
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.855	146	2535988	370.29	ug/L	99
94) p-isopropyltoluene	15.916	119	4545281	354.54	ug/L	99
95) 1,4-dichlorobenzene	15.923	146	2429536	364.10	ug/L	97
96) 1,2-dichlorobenzene	16.290	146	2445595	365.67	ug/L	99
97) n-butylbenzene	16.333	91	4648829	371.59	ug/L	100
98) 1,2-dibromo-3-chloropr...	16.764	75	235945	386.66	ug/L	99
99) 1,2,4-trichlorobenzene	18.118	180	1637650	444.55	ug/L	100
100) 1,3,5-trichlorobenzene	17.574	180	1822370	391.81	ug/L	99
101) hexachlorobutadiene	18.408	225	1064358	379.27	ug/L	98
102) naphthalene	18.394	128	3643111	552.77	ug/L	100
103) 1,2,3-trichlorobenzene	18.602	180	1565855	441.78	ug/L	98
104) 2-methylnaphthalene	19.787	142	769983	327.50	ug/L	100
105) 1-methylnaphthalene	20.038	142	685759m	268.66	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82698.D
Acq On : 25 Nov 2013 4:43 pm
Operator : jaclynb
Sample : ic3086-400
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 10:03:02 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:46 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/26/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82701.D
Acq On : 25 Nov 2013 6:06 pm
Operator : jaclynb
Sample : icv3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 26 10:19:40 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.766	65	70595	500.00	ug/L		0.00
4) pentafluorobenzene	9.213	168	201673	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	306813	50.00	ug/L		0.00
66) chlorobenzene-d5	13.342	82	172427	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	146557	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	99416	50.44	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.88%				
60) toluene-d8 (s)	11.882	98	385316	52.00	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.00%				
82) bromofluorobenzene (s)	14.561	95	150108	48.47	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.94%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.854	59	107542	575.58	ug/L		90
3) Ethanol	5.617	45	151086	5425.35	ug/L		99
5) dichlorodifluoromethane	4.422	85	108823	38.72	ug/L		100
6) chloromethane	4.684	50	116278	42.26	ug/L		97
7) vinyl chloride	4.935	62	137997	40.79	ug/L		100
8) bromomethane	5.447	96	60804	49.80	ug/L		92
9) chloroethane	5.617	64	79923	54.80	ug/L		94
10) ethyl ether	6.512	59	93378	45.01	ug/L		93
12) trichlorofluoromethane	6.275	101	176229	46.03	ug/L		98
13) freon-113	7.052	101	104221	48.76	ug/L		96
14) acrolein	6.268	56	19660	41.71	ug/L		94
15) 1,1-dichloroethene	6.865	96	92310	55.77	ug/L		94
16) acetone	6.402	58	10341	37.12	ug/L	#	83
17) Methyl Acetate	7.042	43	125871	36.92	ug/L		95
18) methylene chloride	7.010	84	109098	45.66	ug/L	#	77
19) methyl tert butyl ether	7.798	73	212245	42.59	ug/L		94
20) acrylonitrile	6.911	53	83287	92.88	ug/L		99
21) allyl chloride	7.106	41	167894	48.98	ug/L		92
22) trans-1,2-dichloroethene	7.707	96	102316	46.68	ug/L		95
23) iodomethane	6.925	142	83787	40.94	ug/L		98
24) carbon disulfide	7.296	76	315354	46.77	ug/L		99
25) propionitrile	6.840	54	2441	65.14	ug/L		100
26) vinyl acetate	7.042	43	125871	36.92	ug/L		92
27) chloroprene	8.325	53	189646	53.41	ug/L		86
28) di-isopropyl ether	8.353	45	390773	46.75	ug/L		96
29) methacrylonitrile	8.484	41	66057	45.58	ug/L		91
30) 2-butanone	8.371	72	11688	46.32	ug/L	#	24
31) Hexane	8.343	41	171516	46.18	ug/L		97
32) 1,1-dichloroethane	7.961	63	213854	46.33	ug/L		98
33) tert-butyl ethyl ether	8.753	59	215145	41.92	ug/L		94
34) isobutyl alcohol	8.350	43	325985	231.55	ug/L		70
35) 2,2-dichloropropane	8.820	77	120691	47.20	ug/L		99
36) cis-1,2-dichloroethene	8.534	96	111066	44.89	ug/L		93
37) ethyl acetate	8.350	43	319983	45.10	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82701.D
Acq On : 25 Nov 2013 6:06 pm
Operator : jaclynb
Sample : icv3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 26 10:19:40 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.700	128	52225	49.77	ug/L	#	83
39) chloroform	8.735	83	197012	46.26	ug/L		95
41) Tetrahydrofuran	9.064	42	28831	44.08	ug/L		99
42) 1,1,1-trichloroethane	9.488	97	161106	52.00	ug/L		96
44) Cyclohexane	9.768	56	197411	47.29	ug/L		89
45) carbon tetrachloride	9.856	117	134374	53.48	ug/L		100
46) 1,1-dichloropropene	9.665	75	148077	51.64	ug/L		97
47) benzene	9.891	78	428885	46.03	ug/L		100
48) 1,2-dichloroethane	9.389	62	156307	47.02	ug/L		97
49) tert-amyl methyl ether	9.997	73	174300	44.61	ug/L		93
50) heptane	10.351	43	125828	42.83	ug/L		87
51) trichloroethene	10.506	95	114156	47.41	ug/L		96
52) 1,2-dichloropropane	10.471	63	126655	48.48	ug/L		100
53) dibromomethane	10.450	93	68134	48.14	ug/L		99
54) bromodichloromethane	10.559	83	154870	48.20	ug/L		99
55) Methylcyclohexane	11.019	83	199115	49.84	ug/L		95
57) methyl methacrylate	10.648	69	65714	47.44	ug/L		83
58) 1,4-dioxane	10.658	88	5575	251.81	ug/L	#	67
59) cis-1,3-dichloropropene	11.175	75	163832	48.03	ug/L		98
61) 4-methyl-2-pentanone	11.263	43	103710	48.04	ug/L		93
62) toluene	11.952	92	260775	49.27	ug/L		96
63) trans-1,3-dichloropropene	11.588	75	145810	51.16	ug/L		98
64) 1,1,2-trichloroethane	11.762	83	87591	48.46	ug/L		98
65) ethyl methacrylate	11.956	69	123305	48.70	ug/L		90
67) tetrachloroethene	12.691	166	114818	44.56	ug/L		95
68) 1,3-dichloropropane	11.998	76	164815	45.70	ug/L		99
69) dibromochloromethane	12.292	129	112083	47.12	ug/L		99
70) 1,2-dibromoethane	12.546	107	95586	45.06	ug/L		99
71) 2-hexanone	12.115	43	69940	46.28	ug/L		94
72) chlorobenzene	13.374	112	276984	43.82	ug/L		96
73) 1,1,1,2-tetrachloroethane	13.292	131	101307	47.20	ug/L		98
74) ethylbenzene	13.543	91	528918	47.00	ug/L		98
75) m,p-xylene	13.727	106	399228	90.45	ug/L		96
76) o-xylene	14.141	106	196722	44.49	ug/L		96
77) styrene	14.070	104	316255	49.45	ug/L		96
78) bromoform	13.897	173	74606	46.83	ug/L		99
79) trans-1,4-dichloro-2-b...	14.286	53	26258	45.26	ug/L	#	55
81) isopropylbenzene	14.498	105	526895	47.60	ug/L		99
83) bromobenzene	14.795	156	123939	47.47	ug/L		97
84) 1,1,2,2-tetrachloroethane	14.144	83	134313	46.19	ug/L		95
85) 1,2,3-trichloropropane	14.289	75	131942	47.70	ug/L		100
86) n-propylbenzene	14.943	91	623169	46.53	ug/L		99
87) 2-chlorotoluene	15.071	91	376522	46.06	ug/L		97
88) 4-chlorotoluene	15.145	91	393535	48.21	ug/L		99
89) 1,3,5-trimethylbenzene	15.223	105	461061	46.46	ug/L		99
90) tert-butylbenzene	15.527	91	277953	48.69	ug/L		97
91) 1,2,4-trimethylbenzene	15.633	105	442293	45.99	ug/L		99
92) sec-butylbenzene	15.749	105	628860	49.37	ug/L		99
93) 1,3-dichlorobenzene	15.859	146	246075	46.61	ug/L		94
94) p-isopropyltoluene	15.915	119	504069	51.42	ug/L		98

Quantitation Report (QT Reviewed)

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Data File : N82701.D
Acq On : 25 Nov 2013 6:06 pm
Operator : jaclynb
Sample : icv3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 26 10:19:40 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	1,4-dichlorobenzene	15.923	146	249045	48.50	ug/L	96
96)	1,2-dichlorobenzene	16.290	146	235409	45.72	ug/L	99
97)	n-butylbenzene	16.333	91	499317	51.87	ug/L	99
98)	1,2-dibromo-3-chloropr...	16.764	75	21805	46.19	ug/L	94
99)	1,2,4-trichlorobenzene	18.118	180	149858	51.52	ug/L	98
100)	1,3,5-trichlorobenzene	17.574	180	179376	49.76	ug/L	99
101)	hexachlorobutadiene	18.408	225	115042	53.13	ug/L	95
102)	naphthalene	18.394	128	312066m	52.80	ug/L	
103)	1,2,3-trichlorobenzene	18.599	180	139934	50.05	ug/L	96
104)	2-methylnaphthalene	19.790	142	43991	23.75	ug/L	99
105)	1-methylnaphthalene	20.038	142	50656	23.21	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.22

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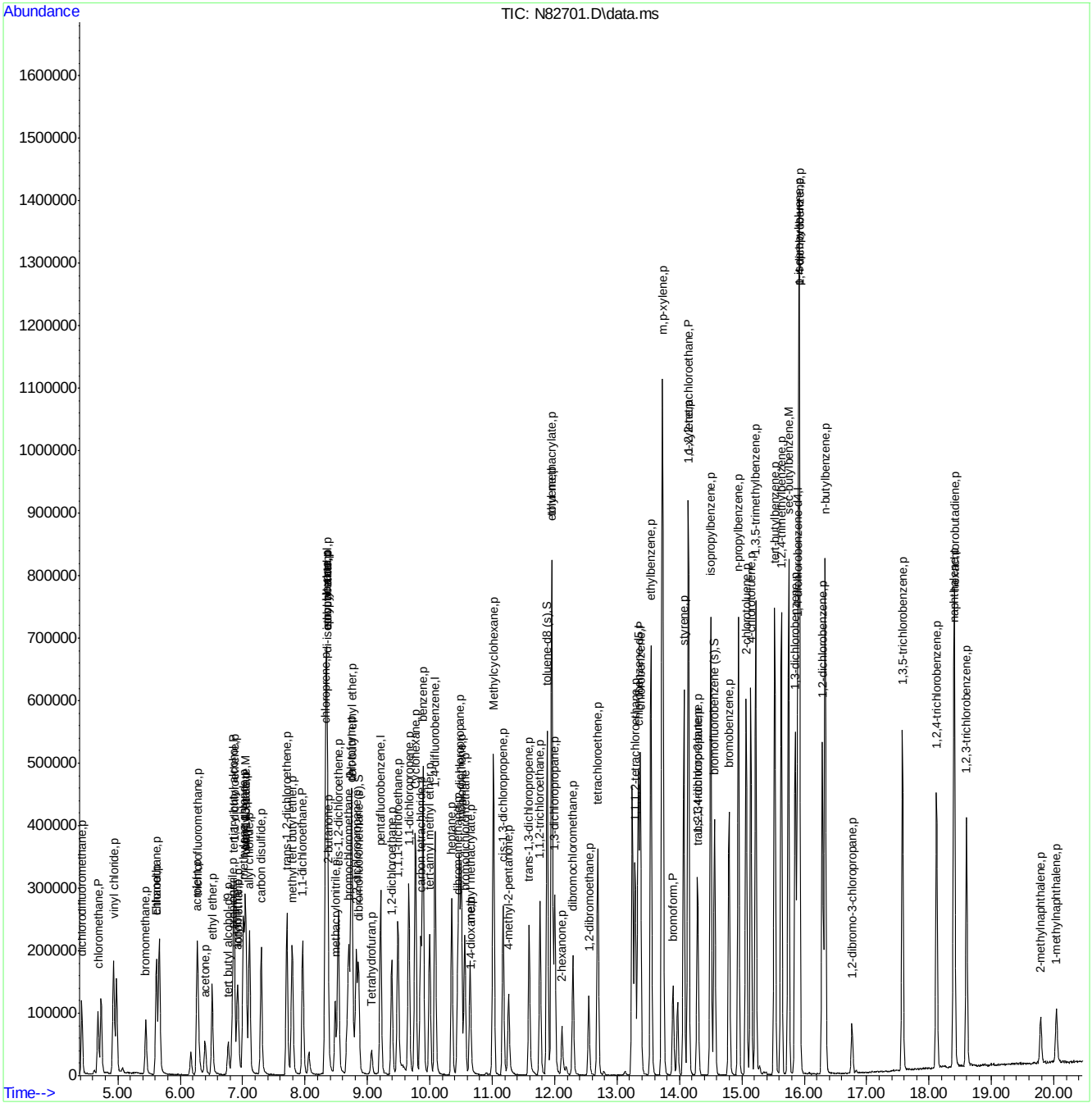
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82701.D
Acq On : 25 Nov 2013 6:06 pm
Operator : jaclynb
Sample : icv3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 26 10:19:40 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83091.D
Acq On : 10 Dec 2013 10:49 am
Operator : jaclynb
Sample : cc3086-50
Misc : ms30713,MSN3101,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 10 11:09:54 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.770	65	61796	500.00	ug/L		0.00
4) pentafluorobenzene	9.209	168	233427	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	347208	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	187885	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	153432	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.856	113	106256	46.57	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.14%				
60) toluene-d8 (s)	11.882	98	420707	50.17	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.34%				
82) bromofluorobenzene (s)	14.562	95	159452	49.18	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.36%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.855	59	79903	488.54	ug/L	#	71
3) Ethanol	5.617	45	141042	5785.82	ug/L		100
5) dichlorodifluoromethane	4.426	85	175698	54.01	ug/L		96
6) chloromethane	4.684	50	161352	50.66	ug/L		100
7) vinyl chloride	4.938	62	183700	46.91	ug/L		97
8) bromomethane	5.451	96	75981	53.77	ug/L		97
9) chloroethane	5.617	64	84335	49.96	ug/L		98
10) ethyl ether	6.512	59	102737	42.79	ug/L		97
12) trichlorofluoromethane	6.275	101	200294	45.20	ug/L		96
13) freon-113	7.053	101	120454	48.69	ug/L		97
14) acrolein	6.264	56	106475	195.16	ug/L		100
15) 1,1-dichloroethene	6.865	96	105509	54.97	ug/L		88
16) acetone	6.398	58	11546	35.25	ug/L	#	66
17) Methyl Acetate	7.042	43	147258	37.32	ug/L	#	94
18) methylene chloride	7.014	84	123757	44.75	ug/L		84
19) methyl tert butyl ether	7.795	73	202116	35.04	ug/L		96
20) acrylonitrile	6.915	53	36346	35.02	ug/L		96
21) allyl chloride	7.109	41	205377	51.76	ug/L		87
22) trans-1,2-dichloroethene	7.707	96	112231	44.24	ug/L		98
23) iodomethane	6.925	142	118655	49.10	ug/L		95
24) carbon disulfide	7.300	76	375471	48.11	ug/L		99
25) propionitrile	6.837	54	2572	57.44	ug/L		100
26) vinyl acetate	7.042	43	147258	37.32	ug/L		95
27) chloroprene	8.325	53	207079	50.38	ug/L		87
28) di-isopropyl ether	8.354	45	461039	47.65	ug/L		95
29) methacrylonitrile	8.481	41	62139	37.05	ug/L		96
30) 2-butanone	8.371	72	11011	37.70	ug/L	#	40
31) Hexane	8.343	41	216180	50.29	ug/L		84
32) 1,1-dichloroethane	7.961	63	244204	45.71	ug/L		97
33) tert-butyl ethyl ether	8.753	59	204929	36.13	ug/L		93
34) isobutyl alcohol	8.346	43	384560	236.00	ug/L		54
35) 2,2-dichloropropane	8.820	77	153959	51.74	ug/L		100
36) cis-1,2-dichloroethene	8.530	96	123249	43.03	ug/L		97
37) ethyl acetate	8.346	43	384560	46.83	ug/L		82

ACCUTEST LABORATORIES MC26923

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83091.D
Acq On : 10 Dec 2013 10:49 am
Operator : jaclynb
Sample : cc3086-50
Misc : ms30713,MSN3101,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 10 11:09:54 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.700	128	57367	47.23	ug/L	#	84
39) chloroform	8.735	83	219366	44.50	ug/L		98
41) Tetrahydrofuran	9.064	42	26031	34.38	ug/L		93
42) 1,1,1-trichloroethane	9.488	97	179815	50.14	ug/L		99
44) Cyclohexane	9.768	56	254212	53.81	ug/L		95
45) carbon tetrachloride	9.852	117	150088	52.79	ug/L		94
46) 1,1-dichloropropene	9.662	75	166026	51.16	ug/L		97
47) benzene	9.891	78	495487	46.99	ug/L		98
48) 1,2-dichloroethane	9.389	62	162385	43.16	ug/L		99
49) tert-amyl methyl ether	9.994	73	153525	34.72	ug/L		92
50) heptane	10.351	43	185234	55.72	ug/L		89
51) trichloroethene	10.507	95	131086	48.11	ug/L		98
52) 1,2-dichloropropane	10.475	63	144847	49.00	ug/L		99
53) dibromomethane	10.446	93	70089	43.76	ug/L		97
54) bromodichloromethane	10.560	83	166796	45.87	ug/L		100
55) Methylcyclohexane	11.019	83	235830	52.16	ug/L		96
57) methyl methacrylate	10.641	69	61206	39.05	ug/L	#	81
58) 1,4-dioxane	10.648	88	4653	185.71	ug/L		90
59) cis-1,3-dichloropropene	11.175	75	189756	49.16	ug/L		99
61) 4-methyl-2-pentanone	11.263	43	92212	37.74	ug/L		93
62) toluene	11.952	92	288512	48.17	ug/L		93
63) trans-1,3-dichloropropene	11.588	75	145127	44.99	ug/L		99
64) 1,1,2-trichloroethane	11.765	83	89461	43.74	ug/L		97
65) ethyl methacrylate	11.960	69	110497	38.57	ug/L		88
67) tetrachloroethene	12.691	166	132379	47.15	ug/L		96
68) 1,3-dichloropropane	11.998	76	169326	43.08	ug/L		98
69) dibromochloromethane	12.292	129	111640	43.07	ug/L		97
70) 1,2-dibromoethane	12.543	107	95098	41.14	ug/L		95
71) 2-hexanone	12.115	43	65537	39.80	ug/L		94
72) chlorobenzene	13.370	112	319800	46.43	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.289	131	108119	46.23	ug/L		97
74) ethylbenzene	13.543	91	581095	47.39	ug/L		99
75) m,p-xylene	13.727	106	450682	93.71	ug/L		97
76) o-xylene	14.141	106	223046	46.30	ug/L		92
77) styrene	14.070	104	342527	49.15	ug/L		96
78) bromoform	13.897	173	70322	40.51	ug/L		94
79) trans-1,4-dichloro-2-b...	14.286	53	24918	39.41	ug/L	#	54
81) isopropylbenzene	14.498	105	605874	52.28	ug/L		98
83) bromobenzene	14.795	156	133186	48.72	ug/L		97
84) 1,1,2,2-tetrachloroethane	14.141	83	119432	39.23	ug/L		96
85) 1,2,3-trichloropropane	14.289	75	119211	41.17	ug/L		99
86) n-propylbenzene	14.943	91	729289	52.01	ug/L		100
87) 2-chlorotoluene	15.067	91	432646	50.55	ug/L		97
88) 4-chlorotoluene	15.141	91	433817	50.77	ug/L		100
89) 1,3,5-trimethylbenzene	15.219	105	510628	49.15	ug/L		98
90) tert-butylbenzene	15.527	91	311213	52.08	ug/L		98
91) 1,2,4-trimethylbenzene	15.629	105	499410	49.60	ug/L		98
92) sec-butylbenzene	15.746	105	709116	53.18	ug/L		98
93) 1,3-dichlorobenzene	15.855	146	272393	49.28	ug/L		99
94) p-isopropyltoluene	15.916	119	536103	52.24	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83091.D
Acq On : 10 Dec 2013 10:49 am
Operator : jaclynb
Sample : cc3086-50
Misc : ms30713,MSN3101,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 10 11:09:54 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

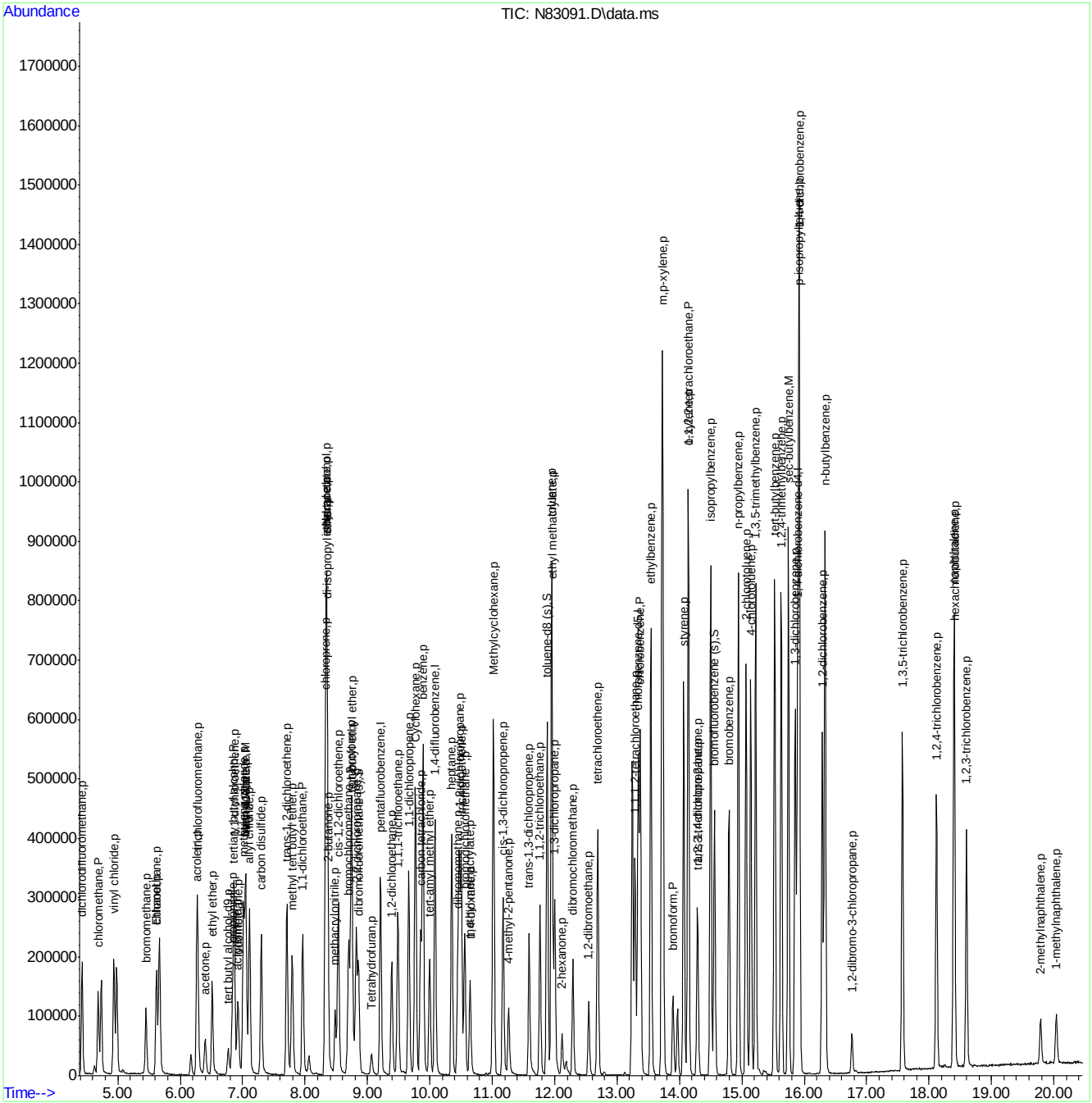
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	1,4-dichlorobenzene	15.923	146	263461	49.01	ug/L	98
96)	1,2-dichlorobenzene	16.290	146	258838	48.02	ug/L	99
97)	n-butylbenzene	16.333	91	554972	55.07	ug/L	98
98)	1,2-dibromo-3-chloropr...	16.760	75	19433	39.32	ug/L	88
99)	1,2,4-trichlorobenzene	18.122	180	158272	51.97	ug/L	99
100)	1,3,5-trichlorobenzene	17.574	180	197434	52.32	ug/L	99
101)	hexachlorobutadiene	18.408	225	120805	53.29	ug/L	95
102)	naphthalene	18.397	128	304436	49.20	ug/L	100
103)	1,2,3-trichlorobenzene	18.599	180	144665	49.42	ug/L	96
104)	2-methylnaphthalene	19.790	142	45490	23.58	ug/L	100
105)	1-methylnaphthalene	20.038	142	48853	21.73	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131210\
Data File : N83091.D
Acq On : 10 Dec 2013 10:49 am
Operator : jaclynb
Sample : cc3086-50
Misc : ms30713,MSN3101,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 10 11:09:54 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/06/13 08:13

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15212.D
Acq On : 17 Oct 2013 1:55 pm
Operator : jaclynb
Sample : ic756-0.5
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 05 18:59:53 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

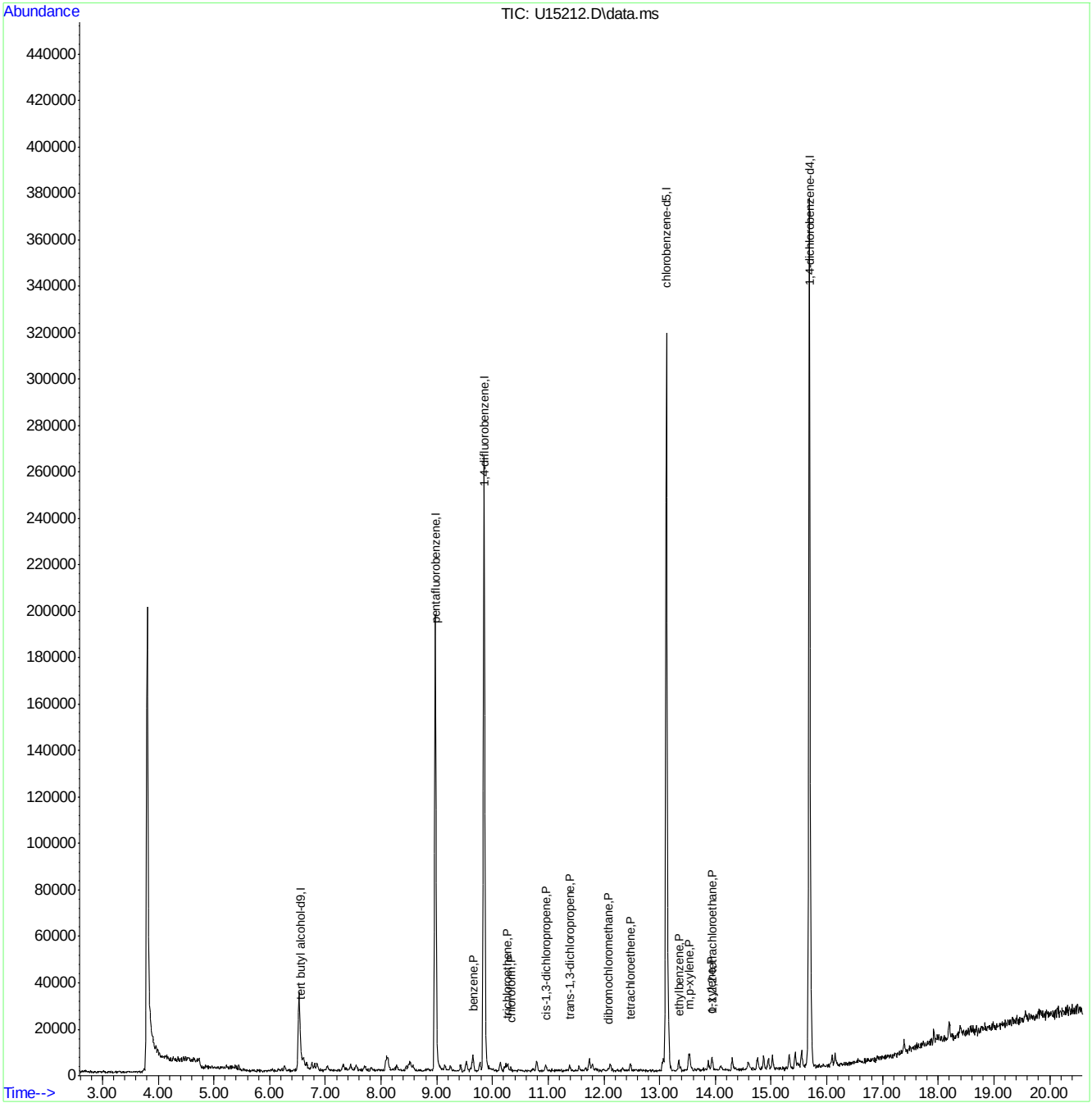
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.552	65	63534	500.00	ppb		0.00
4) pentafluorobenzene	8.977	168	136317	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.852	114	210822	50.00	ppb		0.00
66) chlorobenzene-d5	13.121	82	110502	50.00	ppb	#	0.00
80) 1,4-dichlorobenzene-d4	15.688	152	106179	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	0.000	113	0	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
60) toluene-d8 (s)	0.000	98	0	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
82) bromofluorobenzene (s)	0.000	95	0	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
39) chloroform	10.328	83	1238	0.67	ppb		94
47) benzene	9.649	78	5941	1.21	ppb		89
51) trichloroethene	10.274	95	1219	0.83	ppb	#	82
59) cis-1,3-dichloropropene	10.956	75	1769	0.76	ppb		93
63) trans-1,3-dichloropropene	11.383	75	1529	0.75	ppb		77
67) tetrachloroethene	12.476	166	936m	0.76	ppb		
69) dibromochloromethane	12.077	129	961m	0.72	ppb		
74) ethylbenzene	13.345	91	4606	0.79	ppb		84
75) m,p-xylene	13.530	106	3469	1.53	ppb		82
76) o-xylene	13.937	106	1569	0.67	ppb	#	78
84) 1,1,2,2-tetrachloroethane	13.944	83	987m	0.76	ppb		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15212.D
Acq On : 17 Oct 2013 1:55 pm
Operator : jaclynb
Sample : ic756-0.5
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 05 18:59:53 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
11/06/13 08:13

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15213.D
Acq On : 17 Oct 2013 2:22 pm
Operator : jaclynb
Sample : ic756-1
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 05 19:02:34 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.567	65	65217	500.00	ppb		0.02
4) pentafluorobenzene	8.978	168	133216	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.853	114	207371	50.00	ppb		0.00
66) chlorobenzene-d5	13.122	82	109202	50.00	ppb	#	0.00
80) 1,4-dichlorobenzene-d4	15.688	152	103844	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	0.000	113	0	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
60) toluene-d8 (s)	0.000	98	0	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
82) bromofluorobenzene (s)	0.000	95	0	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
5) dichlorodifluoromethane	4.246	85	1182m	1.02	ppb		
6) chloromethane	4.482	50	1938	1.38	ppb		83
7) vinyl chloride	4.739	62	1737	1.08	ppb		93
8) bromomethane	5.227	96	861m	1.19	ppb		
9) chloroethane	5.386	64	782m	1.09	ppb		
12) trichlorofluoromethane	6.035	101	1714	1.00	ppb		95
13) freon-113	6.811	101	1025	0.97	ppb	#	59
15) 1,1-dichloroethene	6.609	96	1160	1.17	ppb		97
17) Methyl Acetate	6.803	43	2187	1.34	ppb	#	71
18) methylene chloride	6.758	84	1664	1.29	ppb		94
19) methyl tert butyl ether	7.559	73	4352	1.16	ppb		94
21) allyl chloride	6.855	41	3191	1.40	ppb		94
22) trans-1,2-dichloroethene	7.453	96	1496	1.31	ppb		82
23) iodomethane	6.668	142	2393	1.30	ppb		91
24) carbon disulfide	7.036	76	4103	1.17	ppb		97
27) chloroprene	8.079	53	2464	1.12	ppb		80
28) di-isopropyl ether	8.124	45	7004	1.33	ppb		83
32) Hexane	8.109	41	3039	1.34	ppb	#	75
33) 1,1-dichloroethane	7.710	63	3095	1.26	ppb		96
34) tert-butyl ethyl ether	8.521	59	5919	1.25	ppb		88
36) 2,2-dichloropropane	8.572	77	1881	1.34	ppb		100
37) cis-1,2-dichloroethene	8.285	96	1932	1.48	ppb		74
39) chloroform	10.330	83	2154	1.18	ppb		67
42) 1,1,1-trichloroethane	9.245	97	1915	1.06	ppb	#	57
45) carbon tetrachloride	9.612	117	1481	0.99	ppb		92
46) 1,1-dichloropropene	9.424	75	1910	1.20	ppb		83
47) benzene	9.650	78	7621	1.58	ppb		98
48) 1,2-dichloroethane	9.149	62	2344	1.26	ppb		77
49) tert-amyl methyl ether	9.774	73	5002	1.35	ppb		96
51) trichloroethene	10.275	95	1694	1.18	ppb	#	67
52) 1,2-dichloropropane	10.243	63	1920	1.25	ppb		92
53) dibromomethane	10.213	93	904m	1.07	ppb		
54) bromodichloromethane	10.330	83	2154	1.20	ppb		66
55) Methylcyclohexane	10.793	83	2026	0.99	ppb	#	79

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15213.D
Acq On : 17 Oct 2013 2:22 pm
Operator : jaclynb
Sample : ic756-1
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 05 19:02:34 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

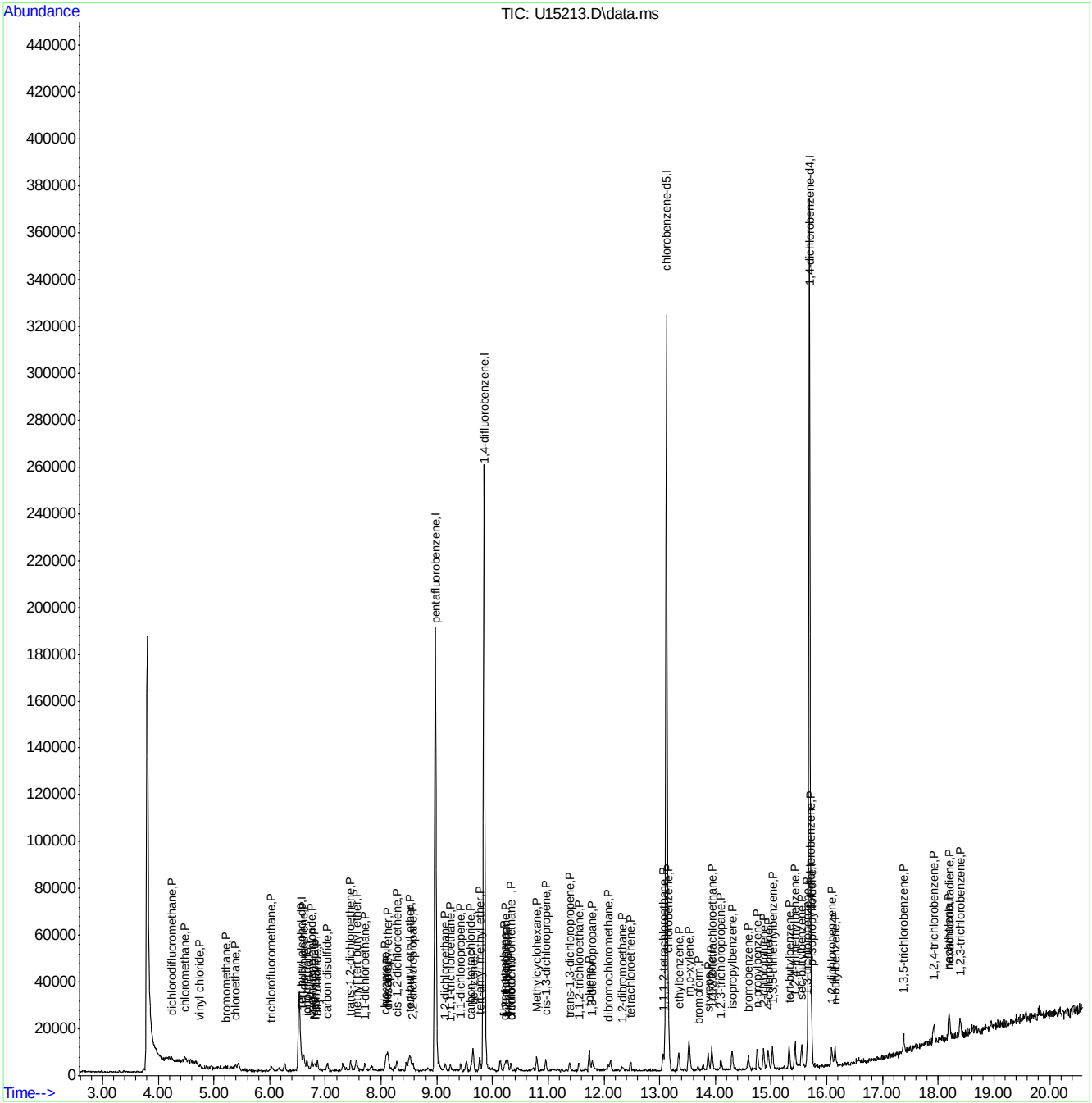
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
59)	cis-1,3-dichloropropene	10.956	75	2719	1.19	ppb		76
62)	toluene	11.738	92	4172	1.42	ppb	#	75
63)	trans-1,3-dichloropropene	11.384	75	2116	1.06	ppb		95
64)	1,1,2-trichloroethane	11.554	83	1092	1.06	ppb	#	51
67)	tetrachloroethene	12.475	166	1435	1.18	ppb		90
68)	1,3-dichloropropane	11.792	76	2256	1.14	ppb		80
69)	dibromochloromethane	12.078	129	1485	1.13	ppb		94
70)	1,2-dibromoethane	12.334	107	1540	1.24	ppb		93
72)	chlorobenzene	13.158	112	10642	3.10	ppb		97
73)	1,1,1,2-tetrachloroethane	13.076	131	1369	1.10	ppb	#	63
74)	ethylbenzene	13.345	91	6974	1.21	ppb		80
75)	m,p-xylene	13.529	106	5484	2.45	ppb		100
76)	o-xylene	13.937	106	2647	1.14	ppb	#	75
77)	styrene	13.875	104	4552	1.17	ppb		56
78)	bromoform	13.688	173	1090	1.01	ppb		93
81)	isopropylbenzene	14.304	105	6554	1.15	ppb		97
83)	bromobenzene	14.593	156	1872	1.18	ppb		97
84)	1,1,2,2-tetrachloroethane	13.943	83	1325	1.04	ppb		76
85)	1,2,3-trichloropropane	14.099	75	2321	1.17	ppb		98
86)	n-propylbenzene	14.755	91	8864	1.26	ppb		94
87)	2-chlorotoluene	14.868	91	5857	1.33	ppb		72
88)	4-chlorotoluene	14.949	91	6123	1.34	ppb		96
89)	1,3,5-trimethylbenzene	15.026	105	6468	1.27	ppb		92
90)	tert-butylbenzene	15.326	91	3881	1.27	ppb	#	68
91)	1,2,4-trimethylbenzene	15.430	105	6669	1.30	ppb		96
92)	sec-butylbenzene	15.549	105	7680	1.16	ppb		100
93)	1,3-dichlorobenzene	15.651	146	3876	1.23	ppb		89
94)	p-isopropyltoluene	15.727	119	6067	1.13	ppb		82
95)	1,4-dichlorobenzene	15.716	146	6303	2.03	ppb		92
96)	1,2-dichlorobenzene	16.092	146	3813	1.22	ppb		86
97)	n-butylbenzene	16.154	91	6778	1.27	ppb		85
99)	1,3,5-trichlorobenzene	17.384	180	2918	1.25	ug/L		78
100)	1,2,4-trichlorobenzene	17.925	180	2978	1.36	ppb		96
101)	hexachlorobutadiene	18.205	225	1670	1.53	ppb		92
102)	naphthalene	18.193	128	6705	1.41	ppb		100
105)	1,2,3-trichlorobenzene	18.398	180	2727	1.41	ppb		80

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15213.D
Acq On : 17 Oct 2013 2:22 pm
Operator : jaclynb
Sample : ic756-1
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 05 19:02:34 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/06/13 08:13

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15214.D
Acq On : 17 Oct 2013 2:50 pm
Operator : jaclynb
Sample : ic756-2
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 05 19:04:23 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.570	65	63746	500.00	ppb		0.02
4) pentafluorobenzene	8.977	168	136249	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.853	114	210736	50.00	ppb		0.00
66) chlorobenzene-d5	13.121	82	109349	50.00	ppb	#	0.00
80) 1,4-dichlorobenzene-d4	15.687	152	104953	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	0.000	113	0	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
60) toluene-d8 (s)	0.000	98	0	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
82) bromofluorobenzene (s)	0.000	95	0	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.270	59	2201	16.31	ppb		77
3) Ethanol	5.428	45	3281m	174.63	ppb		
5) dichlorodifluoromethane	4.247	85	2270	1.92	ppb		80
6) chloromethane	4.482	50	3774	2.62	ppb		96
7) vinyl chloride	4.740	62	3614	2.20	ppb		84
8) bromomethane	5.226	96	1522	2.06	ppb		83
9) chloroethane	5.390	64	1538	2.09	ppb		83
10) ethyl ether	6.270	59	2201	1.73	ppb		76
12) trichlorofluoromethane	6.037	101	3588	2.05	ppb		82
13) freon-113	6.812	101	1820	1.69	ppb	#	82
14) acrolein	6.017	56	1472	6.09	ppb		92
15) 1,1-dichloroethene	6.608	96	1862	1.84	ppb		84
17) Methyl Acetate	6.803	43	2788	1.67	ppb	#	87
18) methylene chloride	6.759	84	2274	1.72	ppb		91
19) methyl tert butyl ether	7.565	73	6738	1.75	ppb		95
20) acrylonitrile	6.670	53	961m	1.48	ppb		
21) allyl chloride	6.854	41	4679	2.00	ppb		99
22) trans-1,2-dichloroethene	7.455	96	2244	1.92	ppb		93
23) iodomethane	6.667	142	3092	1.64	ppb		92
24) carbon disulfide	7.037	76	6836	1.90	ppb		98
26) vinyl acetate	7.827	43	5358	1.61	ppb		77
27) chloroprene	8.078	53	4094	1.83	ppb		73
28) di-isopropyl ether	8.126	45	9455	1.76	ppb		90
29) methacrylonitrile	8.246	41	1590	1.57	ppb	#	40
31) Ethyl Acetate	8.123	43	9255	2.03	ug/L	#	1
32) Hexane	8.107	41	4981	2.15	ppb	#	69
33) 1,1-dichloroethane	7.709	63	4478	1.78	ppb		90
34) tert-butyl ethyl ether	8.521	59	7777	1.60	ppb		90
35) isobutyl alcohol	8.535	43	1934	11.39	ppb		88
36) 2,2-dichloropropane	8.574	77	2833	1.97	ppb		87
37) cis-1,2-dichloroethene	8.283	96	2176	1.63	ppb	#	64
38) bromochloromethane	8.452	128	989m	1.52	ppb		
39) chloroform	10.329	83	2856	1.54	ppb		85
41) Tetrahydrofuran	8.837	42	1017	2.10	ppb	#	42

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15214.D
Acq On : 17 Oct 2013 2:50 pm
Operator : jaclynb
Sample : ic756-2
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 05 19:04:23 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42)	1,1,1-trichloroethane	9.245	97	3108	1.68	ppb		91
44)	Cyclohexane	9.532	56	4571	1.76	ppb	#	92
45)	carbon tetrachloride	9.611	117	2703	1.77	ppb		84
46)	1,1-dichloropropene	9.424	75	3054	1.89	ppb		99
47)	benzene	9.650	78	10285	2.09	ppb		99
48)	1,2-dichloroethane	9.148	62	3406	1.81	ppb		97
49)	tert-amyl methyl ether	9.774	73	6920	1.83	ppb		83
50)	heptane	9.772	43	2834	1.83	ppb	#	53
51)	trichloroethene	10.274	95	2518	1.72	ppb		83
52)	1,2-dichloropropane	10.242	63	2443	1.56	ppb		92
53)	dibromomethane	10.213	93	1136	1.32	ppb		89
54)	bromodichloromethane	10.329	83	2856	1.56	ppb		82
55)	Methylcyclohexane	10.792	83	3843	1.85	ppb		93
56)	2-chloroethyl vinyl ether	10.721	63	1064	1.20	ppb	#	47
57)	methyl methacrylate	10.457	69	1079	1.15	ppb	#	87
59)	cis-1,3-dichloropropene	10.956	75	3778	1.62	ppb		84
62)	toluene	11.738	92	5817	1.94	ppb		95
63)	trans-1,3-dichloropropene	11.381	75	3477	1.71	ppb		100
64)	1,1,2-trichloroethane	11.551	83	1825	1.75	ppb		85
67)	tetrachloroethene	12.476	166	2257	1.85	ppb		98
68)	1,3-dichloropropane	11.790	76	3199	1.62	ppb		70
69)	dibromochloromethane	12.075	129	1939	1.48	ppb		94
70)	1,2-dibromoethane	12.332	107	1835	1.48	ppb		73
72)	chlorobenzene	13.157	112	11308	3.29	ppb		92
73)	1,1,1,2-tetrachloroethane	13.074	131	2149	1.73	ppb		86
74)	ethylbenzene	13.343	91	10547	1.83	ppb		86
75)	m,p-xylene	13.528	106	8228	3.66	ppb		99
76)	o-xylene	13.936	106	4097	1.76	ppb		80
77)	styrene	13.871	104	6395	1.64	ppb		86
78)	bromoform	13.688	173	1516	1.40	ppb		98
81)	isopropylbenzene	14.304	105	10458	1.82	ppb		85
83)	bromobenzene	14.593	156	2631	1.64	ppb	#	75
84)	1,1,2,2-tetrachloroethane	13.943	83	1954	1.51	ppb		90
85)	1,2,3-trichloropropane	14.097	75	3040	1.52	ppb		99
86)	n-propylbenzene	14.751	91	12709	1.79	ppb		99
87)	2-chlorotoluene	14.866	91	7914	1.78	ppb		90
88)	4-chlorotoluene	14.947	91	8246	1.78	ppb		88
89)	1,3,5-trimethylbenzene	15.025	105	9301	1.80	ppb		84
90)	tert-butylbenzene	15.326	91	5165	1.68	ppb		81
91)	1,2,4-trimethylbenzene	15.430	105	9588	1.85	ppb		86
92)	sec-butylbenzene	15.549	105	11880	1.78	ppb		90
93)	1,3-dichlorobenzene	15.651	146	5403	1.70	ppb		92
94)	p-isopropyltoluene	15.727	119	9031	1.67	ppb		92
95)	1,4-dichlorobenzene	15.716	146	7625	2.42	ppb		86
96)	1,2-dichlorobenzene	16.091	146	5597	1.77	ppb		91
97)	n-butylbenzene	16.152	91	10269	1.90	ppb		95
99)	1,3,5-trichlorobenzene	17.382	180	4214	1.79	ug/L		93
100)	1,2,4-trichlorobenzene	17.922	180	3970	1.80	ppb		93
101)	hexachlorobutadiene	18.207	225	2581	2.34	ppb		90
102)	naphthalene	18.193	128	9347	1.94	ppb		100

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15214.D
Acq On : 17 Oct 2013 2:50 pm
Operator : jaclynb
Sample : ic756-2
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 05 19:04:23 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

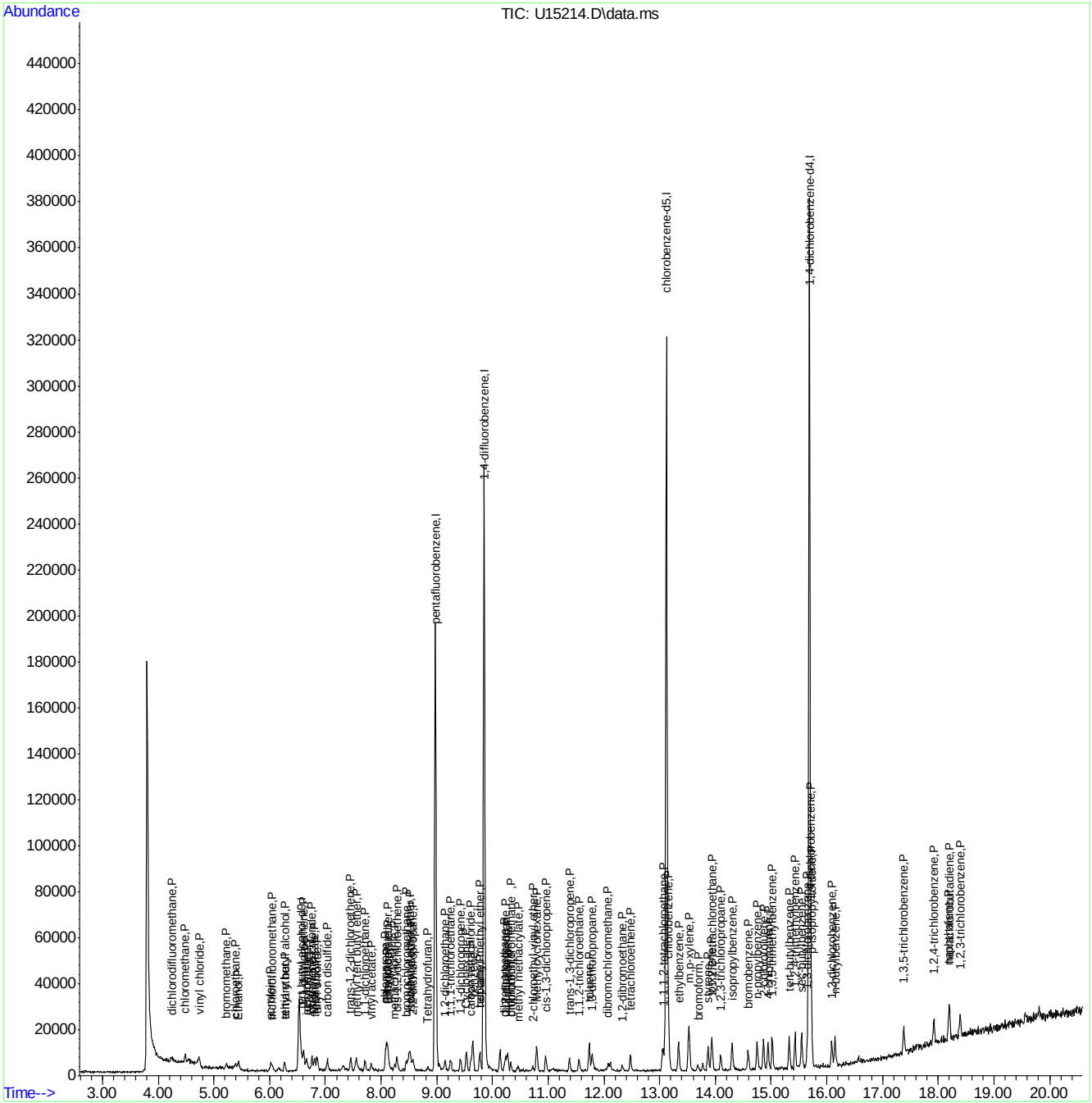
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,2,3-trichlorobenzene	18.394	180	3819	1.96	ppb	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15214.D
Acq On : 17 Oct 2013 2:50 pm
Operator : jaclynb
Sample : ic756-2
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 05 19:04:23 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/06/13 08:13

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15215.D
Acq On : 17 Oct 2013 3:17 pm
Operator : jaclynb
Sample : ic756-5
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 05 19:06:07 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.557	65	61895	500.00	ppb		0.00
4) pentafluorobenzene	8.980	168	134431	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.853	114	208710	50.00	ppb		0.00
66) chlorobenzene-d5	13.121	82	109362	50.00	ppb	#	0.00
80) 1,4-dichlorobenzene-d4	15.687	152	103694	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.613	113	5112	4.86	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 9.72%#				
60) toluene-d8 (s)	11.662	98	22087	5.25	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.50%#				
82) bromofluorobenzene (s)	14.355	95	8942	4.92	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 9.84%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.271	59	5453	41.61	ppb		86
3) Ethanol	5.436	45	7653	419.52	ppb		89
5) dichlorodifluoromethane	4.251	85	6065	5.21	ppb		91
6) chloromethane	4.487	50	9125	6.42	ppb		94
7) vinyl chloride	4.742	62	8491	5.23	ppb		98
8) bromomethane	5.226	96	3613	4.94	ppb		72
9) chloroethane	5.388	64	3467	4.77	ppb		91
10) ethyl ether	6.271	59	5453	4.36	ppb		93
11) acetonitrile	5.933	41	1011m	4.44	ppb		
12) trichlorofluoromethane	6.040	101	8445	4.88	ppb		96
13) freon-113	6.812	101	5439	5.12	ppb	#	74
14) acrolein	6.021	56	4371	18.33	ppb		92
15) 1,1-dichloroethene	6.611	96	4999	5.01	ppb		85
16) acetone	6.163	58	1013	6.21	ppb	#	70
17) Methyl Acetate	6.805	43	7133	4.34	ppb	#	86
18) methylene chloride	6.760	84	5611	4.30	ppb		94
19) methyl tert butyl ether	7.565	73	16372	4.32	ppb		93
20) acrylonitrile	6.665	53	2132	3.33	ppb	#	64
21) allyl chloride	6.855	41	11274	4.89	ppb		96
22) trans-1,2-dichloroethene	7.455	96	5790	5.02	ppb		84
23) iodomethane	6.669	142	8459	4.56	ppb		92
24) carbon disulfide	7.038	76	17271	4.86	ppb		97
25) propionitrile	8.078	54	465m	4.01	ppb		
26) vinyl acetate	7.827	43	13307	4.04	ppb		94
27) chloroprene	8.079	53	10560	4.77	ppb		87
28) di-isopropyl ether	8.125	45	23978	4.51	ppb		84
29) methacrylonitrile	8.241	41	4522	4.53	ppb		79
30) 2-butanone	8.142	72	673m	3.87	ppb		
31) Ethyl Acetate	8.124	43	23679	5.26	ug/L	#	1
32) Hexane	8.106	41	12306	5.39	ppb	#	63
33) 1,1-dichloroethane	7.710	63	11500	4.63	ppb		98
34) tert-butyl ethyl ether	8.522	59	20430	4.26	ppb		97
35) isobutyl alcohol	8.548	43	4417m	26.36	ppb		
36) 2,2-dichloropropane	8.576	77	7850	5.54	ppb		85

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15215.D
Acq On : 17 Oct 2013 3:17 pm
Operator : jaclynb
Sample : ic756-5
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 05 19:06:07 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.285	96	6014	4.57	ppb	#	79
38)	bromochloromethane	8.452	128	2608	4.06	ppb		92
39)	chloroform	10.328	83	7842	4.27	ppb		95
41)	Tetrahydrofuran	8.836	42	2030	4.24	ppb		97
42)	1,1,1-trichloroethane	9.246	97	8468	4.64	ppb		90
44)	Cyclohexane	9.531	56	12349	4.80	ppb		99
45)	carbon tetrachloride	9.611	117	6975	4.62	ppb		83
46)	1,1-dichloropropene	9.424	75	7860	4.90	ppb		91
47)	benzene	9.651	78	24680	5.07	ppb		97
48)	1,2-dichloroethane	9.148	62	8188	4.39	ppb		94
49)	tert-amyl methyl ether	9.773	73	16517	4.42	ppb		88
50)	heptane	9.772	43	6724	4.38	ppb	#	71
51)	trichloroethene	10.274	95	6834	4.72	ppb		80
52)	1,2-dichloropropane	10.241	63	6595	4.26	ppb		92
53)	dibromomethane	10.213	93	3569	4.19	ppb	#	77
54)	bromodichloromethane	10.328	83	7842	4.34	ppb		96
55)	Methylcyclohexane	10.793	83	10002	4.85	ppb		90
56)	2-chloroethyl vinyl ether	10.715	63	3310	3.78	ppb	#	47
57)	methyl methacrylate	10.449	69	3080	3.30	ppb		86
59)	cis-1,3-dichloropropene	10.954	75	10134	4.39	ppb		98
61)	4-methyl-2-pentanone	11.094	43	6829	4.33	ppb	#	92
62)	toluene	11.734	92	13920	4.69	ppb		99
63)	trans-1,3-dichloropropene	11.377	75	8317	4.13	ppb		93
64)	1,1,2-trichloroethane	11.548	83	4383	4.24	ppb		90
65)	ethyl methacrylate	11.785	69	6729	3.70	ppb	#	1
67)	tetrachloroethene	12.475	166	5818	4.76	ppb		86
68)	1,3-dichloropropane	11.787	76	8491	4.30	ppb		97
69)	dibromochloromethane	12.075	129	5463	4.16	ppb		97
70)	1,2-dibromoethane	12.329	107	4981	4.01	ppb		93
71)	2-hexanone	12.022	43	6535	5.81	ppb	#	61
72)	chlorobenzene	13.157	112	21642	6.30	ppb		90
73)	1,1,1,2-tetrachloroethane	13.075	131	5343	4.29	ppb		98
74)	ethylbenzene	13.338	91	27402	4.76	ppb		89
75)	m,p-xylene	13.522	106	21150	9.42	ppb		93
76)	o-xylene	13.934	106	10145	4.35	ppb	#	53
77)	styrene	13.864	104	16324	4.19	ppb		97
78)	bromoform	13.685	173	3886	3.58	ppb		85
79)	trans-1,4-dichloro-2-b...	14.092	53	2484m	3.94	ppb		
81)	isopropylbenzene	14.299	105	26327	4.63	ppb		93
83)	bromobenzene	14.587	156	6580	4.14	ppb	#	78
84)	1,1,2,2-tetrachloroethane	13.940	83	5221	4.10	ppb		95
85)	1,2,3-trichloropropane	14.092	75	8206	4.14	ppb		100
86)	n-propylbenzene	14.746	91	33167	4.72	ppb		92
87)	2-chlorotoluene	14.862	91	20700	4.72	ppb		94
88)	4-chlorotoluene	14.941	91	21943	4.80	ppb		85
89)	1,3,5-trimethylbenzene	15.022	105	23514	4.61	ppb		92
90)	tert-butylbenzene	15.324	91	14554	4.78	ppb	#	70
91)	1,2,4-trimethylbenzene	15.429	105	23832	4.65	ppb		96
92)	sec-butylbenzene	15.548	105	31875	4.83	ppb		96
93)	1,3-dichlorobenzene	15.650	146	13923	4.43	ppb		87

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15215.D
Acq On : 17 Oct 2013 3:17 pm
Operator : jaclynb
Sample : ic756-5
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 05 19:06:07 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
94)	p-isopropyltoluene	15.724	119	24765	4.62	ppb		95
95)	1,4-dichlorobenzene	15.716	146	16051	5.17	ppb		96
96)	1,2-dichlorobenzene	16.088	146	14128	4.53	ppb		93
97)	n-butylbenzene	16.145	91	26402	4.94	ppb		88
98)	1,2-dibromo-3-chloropr...	16.572	75	1594	4.97	ppb	#	52
99)	1,3,5-trichlorobenzene	17.380	180	11128	4.77	ug/L		96
100)	1,2,4-trichlorobenzene	17.921	180	10224	4.68	ppb		83
101)	hexachlorobutadiene	18.206	225	5615	5.16	ppb		100
102)	naphthalene	18.189	128	22216	4.67	ppb		100
103)	2-Methylnaphthalene	19.563	142	5861	2.77	ug/L		96
104)	1-Methylnaphthalene	19.805	142	4911m	3.24	ug/L		
105)	1,2,3-trichlorobenzene	18.394	180	8968	4.66	ppb		87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.27

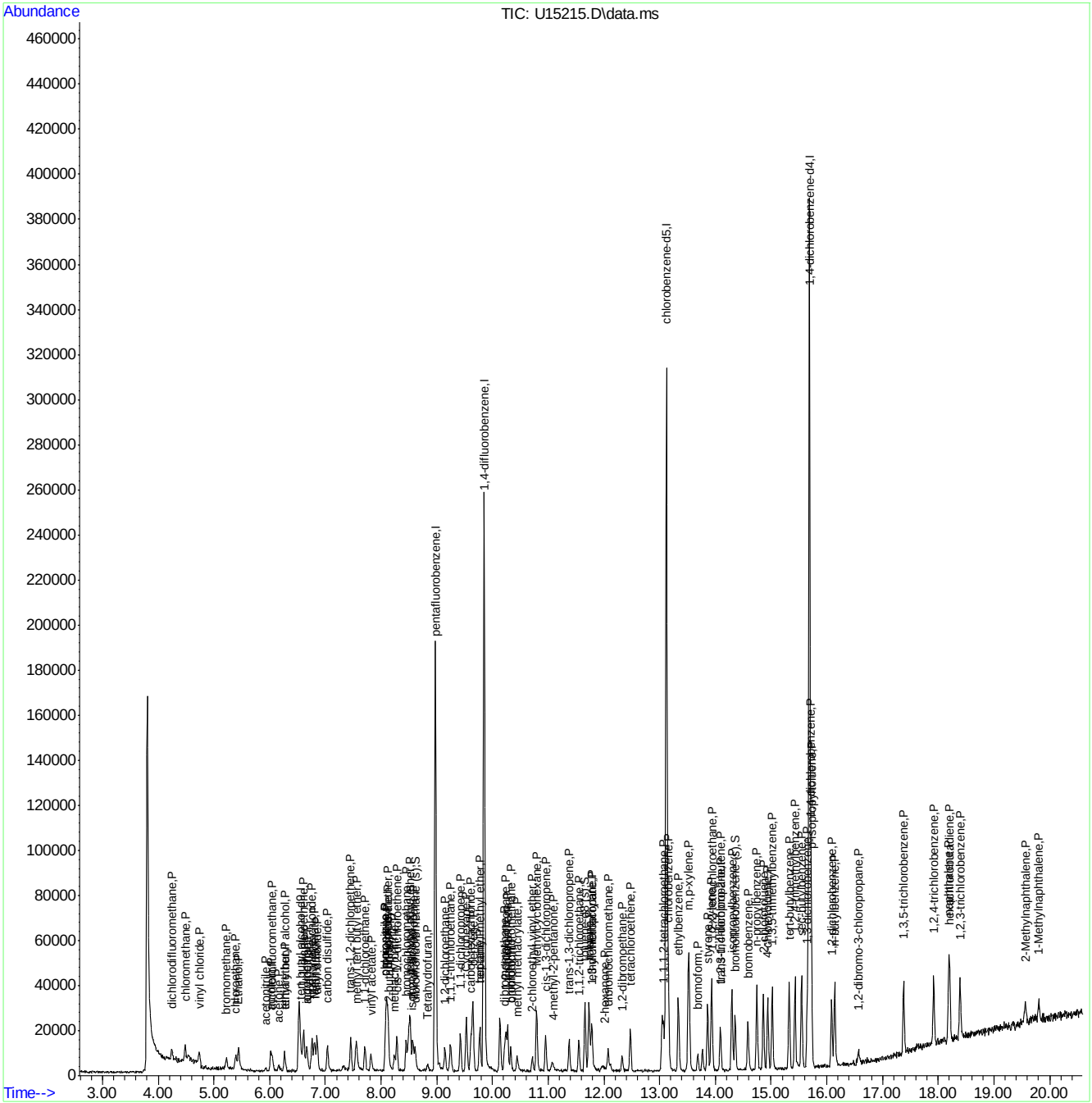
7

ACCUTEST LABORATORIES MC26923

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15215.D
Acq On : 17 Oct 2013 3:17 pm
Operator : jaclynb
Sample : ic756-5
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 05 19:06:07 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/06/13 08:13

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15216.D
Acq On : 17 Oct 2013 3:44 pm
Operator : jaclynb
Sample : ic756-10
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 05 19:08:04 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.554	65	64093	500.00	ppb		0.00
4) pentafluorobenzene	8.978	168	133205	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.852	114	207190	50.00	ppb		0.00
66) chlorobenzene-d5	13.120	82	109746	50.00	ppb	#	0.00
80) 1,4-dichlorobenzene-d4	15.686	152	103763	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.612	113	11078	10.63	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 21.26%#				
60) toluene-d8 (s)	11.659	98	46377	11.10	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 22.20%#				
82) bromofluorobenzene (s)	14.353	95	19241	10.58	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 21.16%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.270	59	11953	88.08	ppb		91
3) Ethanol	5.473	45	20682	1094.85	ppb	#	41
5) dichlorodifluoromethane	4.250	85	12660	10.98	ppb		97
6) chloromethane	4.489	50	19462	13.82	ppb		93
7) vinyl chloride	4.741	62	18994	11.80	ppb		96
8) bromomethane	5.227	96	7459	10.30	ppb		99
9) chloroethane	5.389	64	7639	10.61	ppb		81
10) ethyl ether	6.270	59	11953	9.63	ppb		95
11) acetonitrile	5.931	41	1508	6.69	ppb		75
12) trichlorofluoromethane	6.037	101	19606	11.43	ppb		100
13) freon-113	6.811	101	11378	10.81	ppb		80
14) acrolein	6.021	56	9962	42.16	ppb		92
15) 1,1-dichloroethene	6.610	96	10656	10.78	ppb	#	79
16) acetone	6.159	58	1786	11.04	ppb		97
17) Methyl Acetate	6.803	43	16296	10.00	ppb	#	96
18) methylene chloride	6.759	84	12470	9.64	ppb		99
19) methyl tert butyl ether	7.568	73	37081	9.87	ppb		98
20) acrylonitrile	6.669	53	5939	9.36	ppb		88
21) allyl chloride	6.856	41	25140	11.00	ppb		97
22) trans-1,2-dichloroethene	7.456	96	12249	10.72	ppb		91
23) iodomethane	6.668	142	18826	10.23	ppb		84
24) carbon disulfide	7.037	76	37067	10.53	ppb		96
25) propionitrile	8.078	54	1152	10.02	ppb		100
26) vinyl acetate	7.824	43	31928	9.79	ppb		96
27) chloroprene	8.079	53	23986	10.94	ppb		95
28) di-isopropyl ether	8.125	45	55322	10.51	ppb		76
29) methacrylonitrile	8.240	41	10139	10.26	ppb		83
30) 2-butanone	8.138	72	1514	8.78	ppb	#	1
31) Ethyl Acetate	8.123	43	51927	11.64	ug/L	#	1
32) Hexane	8.104	41	25025	11.06	ppb		80
33) 1,1-dichloroethane	7.710	63	26222	10.66	ppb		93
34) tert-butyl ethyl ether	8.522	59	47462	10.00	ppb		97
35) isobutyl alcohol	8.537	43	8508	51.24	ppb		97
36) 2,2-dichloropropane	8.577	77	17148	12.20	ppb		97

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15216.D
Acq On : 17 Oct 2013 3:44 pm
Operator : jaclynb
Sample : ic756-10
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 05 19:08:04 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	8.284	96	14127	10.84	ppb		91
38) bromochloromethane	8.451	128	6298	9.89	ppb		82
39) chloroform	10.327	83	17319	9.53	ppb		92
41) Tetrahydrofuran	8.836	42	5092	10.74	ppb		86
42) 1,1,1-trichloroethane	9.246	97	19615	10.85	ppb		92
44) Cyclohexane	9.533	56	27302	10.70	ppb		99
45) carbon tetrachloride	9.611	117	15932	10.64	ppb		95
46) 1,1-dichloropropene	9.423	75	17895	11.25	ppb		94
47) benzene	9.649	78	53022	10.98	ppb		97
48) 1,2-dichloroethane	9.147	62	19207	10.37	ppb		98
49) tert-amyl methyl ether	9.772	73	36305	9.78	ppb		90
50) heptane	9.773	43	16056	10.54	ppb	#	63
51) trichloroethene	10.273	95	15568	10.83	ppb		86
52) 1,2-dichloropropane	10.240	63	15500	10.09	ppb		97
53) dibromomethane	10.213	93	8333	9.85	ppb		89
54) bromodichloromethane	10.327	83	17319	9.65	ppb		90
55) Methylcyclohexane	10.791	83	21403	10.45	ppb		98
56) 2-chloroethyl vinyl ether	10.711	63	7895	9.09	ppb		93
57) methyl methacrylate	10.439	69	7745	8.36	ppb		93
58) 1,4-dioxane	10.450	88	169m	13.48	ppb		
59) cis-1,3-dichloropropene	10.952	75	22942	10.02	ppb		95
61) 4-methyl-2-pentanone	11.079	43	15746	10.06	ppb		89
62) toluene	11.732	92	31173	10.59	ppb		100
63) trans-1,3-dichloropropene	11.375	75	19431	9.71	ppb		86
64) 1,1,2-trichloroethane	11.546	83	9696	9.46	ppb		87
65) ethyl methacrylate	11.767	69	16715	9.26	ppb	#	63
67) tetrachloroethene	12.473	166	13139	10.71	ppb		92
68) 1,3-dichloropropane	11.784	76	19842	10.01	ppb		93
69) dibromochloromethane	12.073	129	12129	9.20	ppb		97
70) 1,2-dibromoethane	12.325	107	11636	9.35	ppb		98
71) 2-hexanone	11.976	43	14861	13.16	ppb		91
72) chlorobenzene	13.155	112	40753	11.81	ppb		89
73) 1,1,1,2-tetrachloroethane	13.073	131	12312	9.85	ppb		95
74) ethylbenzene	13.334	91	61457	10.63	ppb		93
75) m,p-xylene	13.518	106	46927	20.82	ppb		81
76) o-xylene	13.931	106	23074	9.86	ppb		88
77) styrene	13.862	104	38686	9.90	ppb		93
78) bromoform	13.683	173	9031	8.30	ppb		79
79) trans-1,4-dichloro-2-b...	14.088	53	5877m	9.30	ppb		
81) isopropylbenzene	14.296	105	60298	10.59	ppb		96
83) bromobenzene	14.584	156	15534	9.77	ppb	#	74
84) 1,1,2,2-tetrachloroethane	13.937	83	12256	9.61	ppb		87
85) 1,2,3-trichloropropane	14.087	75	19158	9.66	ppb		100
86) n-propylbenzene	14.742	91	75606	10.74	ppb		94
87) 2-chlorotoluene	14.859	91	47719	10.88	ppb		89
88) 4-chlorotoluene	14.937	91	47877	10.47	ppb		88
89) 1,3,5-trimethylbenzene	15.019	105	53456	10.48	ppb		98
90) tert-butylbenzene	15.323	91	31792	10.44	ppb		79
91) 1,2,4-trimethylbenzene	15.427	105	53637	10.46	ppb		95
92) sec-butylbenzene	15.547	105	70457	10.67	ppb		98

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15216.D
Acq On : 17 Oct 2013 3:44 pm
Operator : jaclynb
Sample : ic756-10
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 05 19:08:04 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

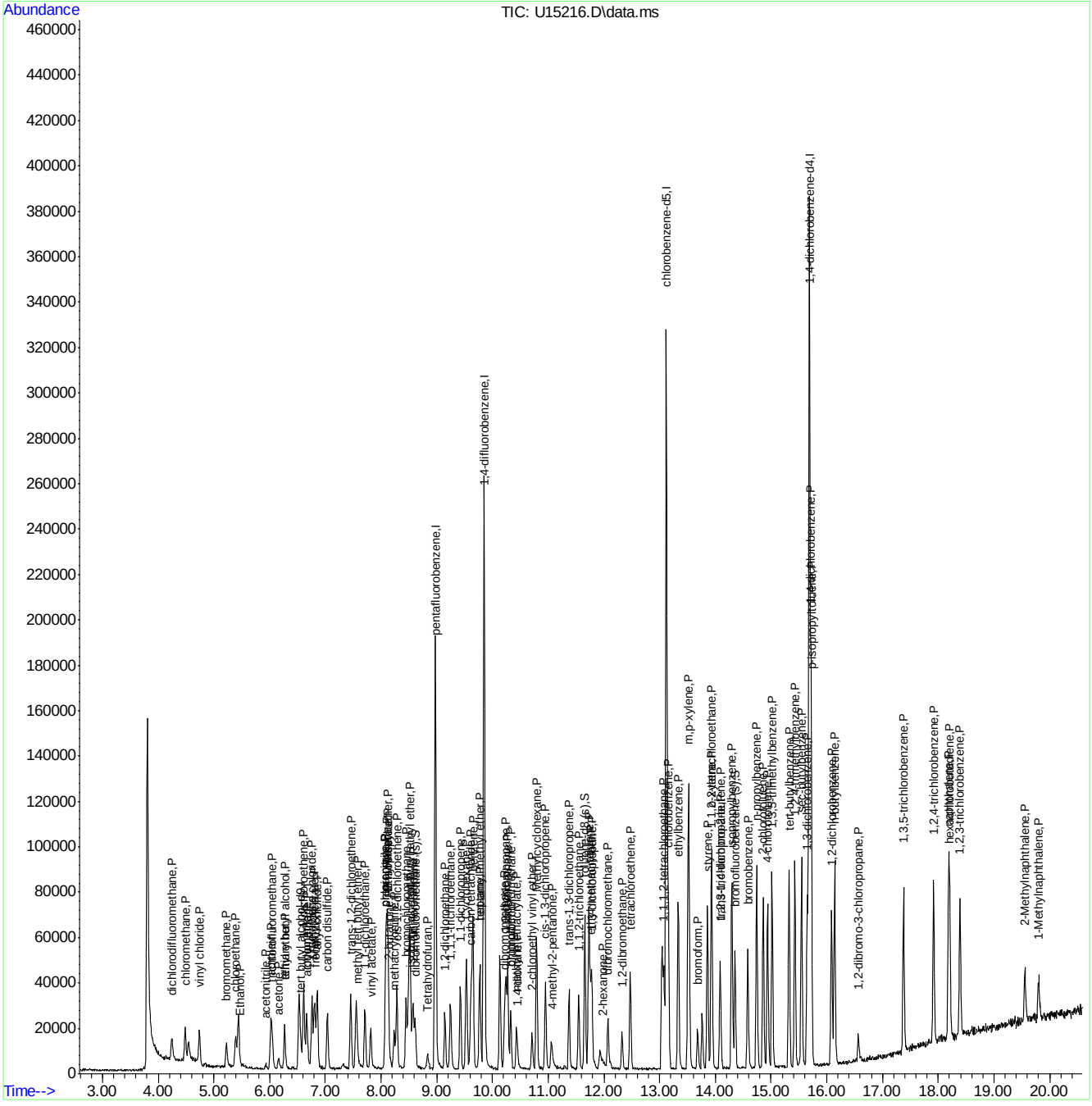
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	15.648	146	32127	10.22	ppb		96
94)	p-isopropyltoluene	15.720	119	55784	10.40	ppb		94
95)	1,4-dichlorobenzene	15.715	146	33875	10.90	ppb		98
96)	1,2-dichlorobenzene	16.086	146	31616	10.14	ppb		93
97)	n-butylbenzene	16.141	91	57595	10.77	ppb		89
98)	1,2-dibromo-3-chloropr...	16.569	75	3669	11.44	ppb	#	70
99)	1,3,5-trichlorobenzene	17.378	180	24749	10.61	ug/L		94
100)	1,2,4-trichlorobenzene	17.918	180	23643	10.81	ppb		90
101)	hexachlorobutadiene	18.206	225	12279	11.27	ppb		96
102)	naphthalene	18.186	128	52157	10.96	ppb		100
103)	2-Methylnaphthalene	19.557	142	13816	6.53	ug/L		93
104)	1-Methylnaphthalene	19.803	142	10892	7.18	ug/L		94
105)	1,2,3-trichlorobenzene	18.391	180	22004	11.42	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15216.D
Acq On : 17 Oct 2013 3:44 pm
Operator : jaclynb
Sample : ic756-10
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 05 19:08:04 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC26923

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/06/13 08:13

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15217.D
Acq On : 17 Oct 2013 4:12 pm
Operator : jaclynb
Sample : ic756-25
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 05 19:09:12 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.557	65	61270	500.00	ppb		0.00
4) pentafluorobenzene	8.977	168	131451	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.852	114	211027	50.00	ppb		0.00
66) chlorobenzene-d5	13.120	82	106982	50.00	ppb	#	0.00
80) 1,4-dichlorobenzene-d4	15.686	152	103920	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.611	113	24882	24.18	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 48.36%#				
60) toluene-d8 (s)	11.657	98	107816	25.34	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 50.68%#				
82) bromofluorobenzene (s)	14.350	95	45066	24.73	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 49.46%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.268	59	29770	229.49	ppb		83
3) Ethanol	5.497	45	49699	2752.14	ppb	#	41
5) dichlorodifluoromethane	4.252	85	34076	29.94	ppb		99
6) chloromethane	4.495	50	51046	36.72	ppb		96
7) vinyl chloride	4.750	62	48575	30.58	ppb		97
8) bromomethane	5.229	96	20214	28.29	ppb		95
9) chloroethane	5.390	64	21463	30.22	ppb		79
10) ethyl ether	6.268	59	29770	24.32	ppb		89
11) acetonitrile	5.931	41	5664	25.46	ppb		96
12) trichlorofluoromethane	6.040	101	49722	29.38	ppb		95
13) freon-113	6.812	101	28949	27.87	ppb		89
14) acrolein	6.021	56	26714	114.55	ppb		98
15) 1,1-dichloroethene	6.611	96	26710	27.39	ppb		85
16) acetone	6.161	58	5642	35.36	ppb		88
17) Methyl Acetate	6.801	43	40013	24.87	ppb	#	90
18) methylene chloride	6.762	84	32653	25.59	ppb		94
19) methyl tert butyl ether	7.571	73	92020	24.83	ppb		93
20) acrylonitrile	6.666	53	14366	22.94	ppb		92
21) allyl chloride	6.854	41	58711	26.04	ppb		99
22) trans-1,2-dichloroethene	7.455	96	29707	26.34	ppb		90
23) iodomethane	6.671	142	46472	25.60	ppb		86
24) carbon disulfide	7.044	76	97073	27.94	ppb		98
25) propionitrile	8.078	54	3237	28.52	ppb		100
26) vinyl acetate	7.817	43	74145	23.03	ppb		99
27) chloroprene	8.078	53	61431	28.40	ppb		94
28) di-isopropyl ether	8.124	45	136350	26.24	ppb		73
29) methacrylonitrile	8.240	41	25266	25.91	ppb		71
30) 2-butanone	8.132	72	4418	25.96	ppb	#	1
31) Ethyl Acetate	8.121	43	125457	28.50	ug/L	#	1
32) Hexane	8.104	41	62755	28.10	ppb	#	83
33) 1,1-dichloroethane	7.709	63	62479	25.75	ppb		99
34) tert-butyl ethyl ether	8.525	59	116596	24.88	ppb		98
35) isobutyl alcohol	8.540	43	19913	121.52	ppb		75
36) 2,2-dichloropropane	8.579	77	39310	28.35	ppb		98

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15217.D
Acq On : 17 Oct 2013 4:12 pm
Operator : jaclynb
Sample : ic756-25
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 05 19:09:12 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.284	96	32581	25.34	ppb		94
38)	bromochloromethane	8.450	128	15004	23.88	ppb	#	74
39)	chloroform	10.328	83	43656	24.34	ppb		94
41)	Tetrahydrofuran	8.834	42	11550	24.69	ppb		99
42)	1,1,1-trichloroethane	9.247	97	48656	27.26	ppb		98
44)	Cyclohexane	9.532	56	67638	26.02	ppb		99
45)	carbon tetrachloride	9.612	117	40701	26.69	ppb		97
46)	1,1-dichloropropene	9.423	75	44266	27.31	ppb		89
47)	benzene	9.652	78	131664	26.77	ppb		99
48)	1,2-dichloroethane	9.147	62	46485	24.63	ppb		97
49)	tert-amyl methyl ether	9.779	73	94700	25.04	ppb		89
50)	heptane	9.778	43	39313	25.33	ppb	#	65
51)	trichloroethene	10.272	95	37437	25.57	ppb		81
52)	1,2-dichloropropane	10.239	63	38395	24.53	ppb		99
53)	dibromomethane	10.212	93	20336	23.60	ppb		93
54)	bromodichloromethane	10.328	83	43656	23.88	ppb		95
55)	Methylcyclohexane	10.792	83	55511	26.62	ppb		97
56)	2-chloroethyl vinyl ether	10.710	63	19883	22.47	ppb		99
57)	methyl methacrylate	10.431	69	20070	21.28	ppb		89
58)	1,4-dioxane	10.440	88	1058	82.85	ppb	#	64
59)	cis-1,3-dichloropropene	10.950	75	56856	24.38	ppb		92
61)	4-methyl-2-pentanone	11.067	43	37680	23.63	ppb		81
62)	toluene	11.730	92	77358	25.80	ppb		97
63)	trans-1,3-dichloropropene	11.372	75	47410	23.26	ppb		96
64)	1,1,2-trichloroethane	11.544	83	23459	22.47	ppb		86
65)	ethyl methacrylate	11.758	69	39877	21.70	ppb		90
67)	tetrachloroethene	12.473	166	33165	27.72	ppb		93
68)	1,3-dichloropropane	11.782	76	48130	24.92	ppb		94
69)	dibromochloromethane	12.072	129	30687	23.89	ppb		99
70)	1,2-dibromoethane	12.324	107	29314	24.15	ppb		96
71)	2-hexanone	11.946	43	34933	31.73	ppb		97
72)	chlorobenzene	13.155	112	91479	27.20	ppb		90
73)	1,1,1,2-tetrachloroethane	13.074	131	30630	25.15	ppb		97
74)	ethylbenzene	13.332	91	150617	26.73	ppb		98
75)	m,p-xylene	13.516	106	115822	52.71	ppb		93
76)	o-xylene	13.930	106	58355	25.59	ppb		92
77)	styrene	13.857	104	92383	24.25	ppb		90
78)	bromoform	13.682	173	22870	21.55	ppb		96
79)	trans-1,4-dichloro-2-b...	14.084	53	14699m	23.86	ppb		
81)	isopropylbenzene	14.294	105	153914	26.99	ppb		96
83)	bromobenzene	14.581	156	39073	24.54	ppb		90
84)	1,1,2,2-tetrachloroethane	13.935	83	29171	22.84	ppb		97
85)	1,2,3-trichloropropane	14.084	75	46391	23.37	ppb		97
86)	n-propylbenzene	14.740	91	187336	26.58	ppb		91
87)	2-chlorotoluene	14.858	91	116908	26.62	ppb		91
88)	4-chlorotoluene	14.934	91	118204	25.82	ppb		86
89)	1,3,5-trimethylbenzene	15.018	105	132853	26.00	ppb		96
90)	tert-butylbenzene	15.323	91	80142	26.27	ppb	#	64
91)	1,2,4-trimethylbenzene	15.426	105	132546	25.81	ppb		100
92)	sec-butylbenzene	15.546	105	174670	26.40	ppb		97

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15217.D
Acq On : 17 Oct 2013 4:12 pm
Operator : jaclynb
Sample : ic756-25
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 05 19:09:12 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

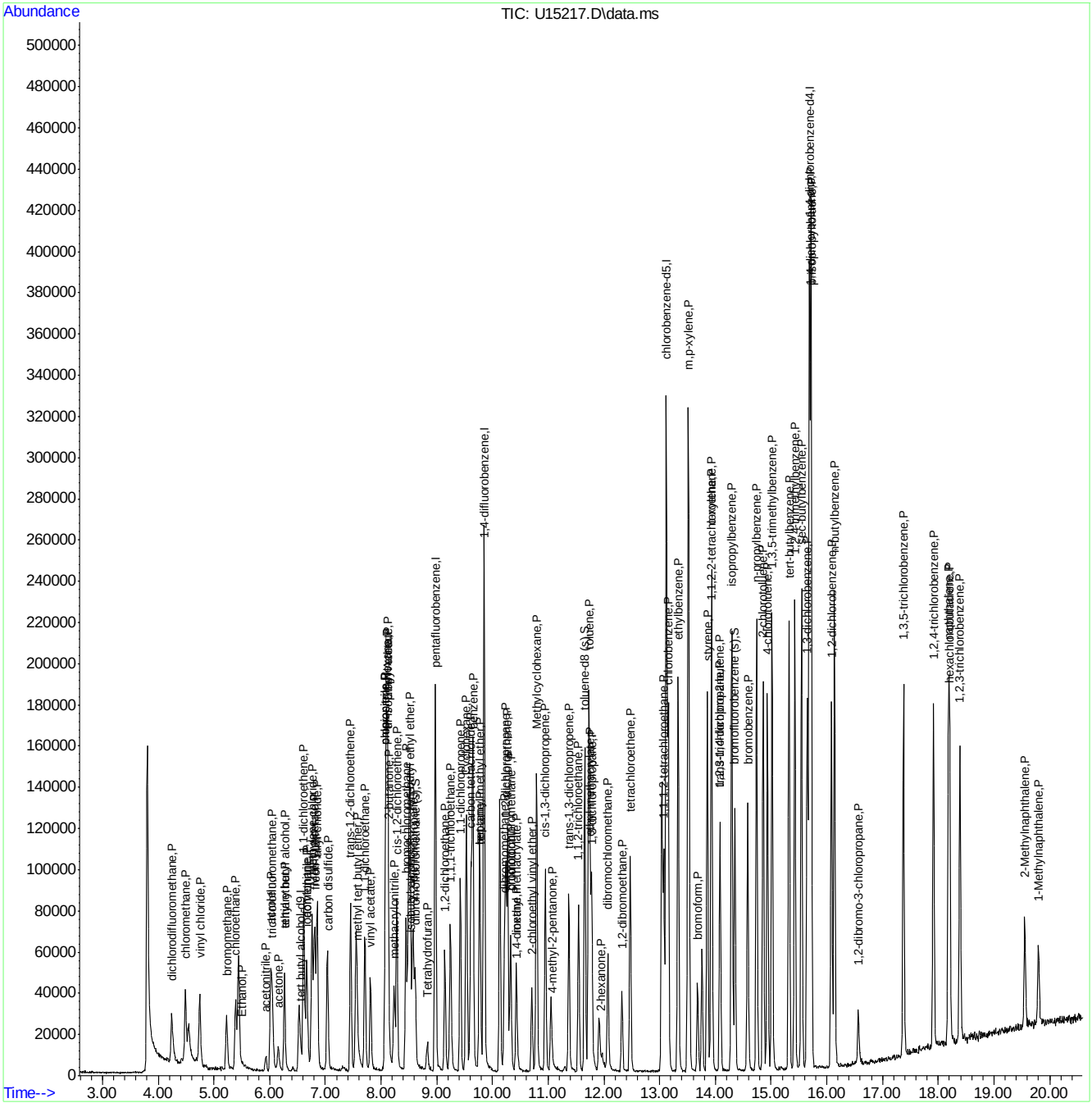
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	15.648	146	79273	25.18	ppb		96
94)	p-isopropyltoluene	15.719	119	138662	25.82	ppb		93
95)	1,4-dichlorobenzene	15.714	146	78976	25.36	ppb		99
96)	1,2-dichlorobenzene	16.083	146	77708	24.88	ppb		98
97)	n-butylbenzene	16.138	91	140873	26.29	ppb		94
98)	1,2-dibromo-3-chloropr...	16.566	75	7972	24.81	ppb	#	71
99)	1,3,5-trichlorobenzene	17.377	180	61146	26.17	ug/L		95
100)	1,2,4-trichlorobenzene	17.917	180	56922	25.99	ppb		90
101)	hexachlorobutadiene	18.206	225	29544	27.07	ppb		91
102)	naphthalene	18.184	128	122610	25.73	ppb		100
103)	2-Methylnaphthalene	19.555	142	30747	14.52	ug/L		97
104)	1-Methylnaphthalene	19.801	142	24339	16.02	ug/L		96
105)	1,2,3-trichlorobenzene	18.391	180	50933	26.40	ppb		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15217.D
Acq On : 17 Oct 2013 4:12 pm
Operator : jaclynb
Sample : ic756-25
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 05 19:09:12 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration



U15218.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski 11/06/13 08:13

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15218.D
Acq On : 17 Oct 2013 4:39 pm
Operator : jaclynb
Sample : icc756-50
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 05 19:10:16 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.554	65	64909	500.00	ppb		0.00
4) pentafluorobenzene	8.975	168	134496	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.850	114	209589	50.00	ppb		0.00
66) chlorobenzene-d5	13.119	82	108533	50.00	ppb	#	0.00
80) 1,4-dichlorobenzene-d4	15.685	152	107111	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.611	113	49698	47.21	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.42%				
60) toluene-d8 (s)	11.655	98	207474	49.10	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.20%				
82) bromofluorobenzene (s)	14.349	95	90099	47.97	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.94%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.265	59	60735	441.94	ppb		80
3) Ethanol	5.469	45	90336	4722.02	ppb		98
5) dichlorodifluoromethane	4.247	85	63991	54.94	ppb		99
6) chloromethane	4.491	50	93369	65.64	ppb		96
7) vinyl chloride	4.743	62	89433	55.03	ppb		99
8) bromomethane	5.226	96	37173	50.85	ppb		97
9) chloroethane	5.385	64	36615	50.38	ppb		79
10) ethyl ether	6.265	59	60735	48.49	ppb		96
11) acetonitrile	5.928	41	8283	36.39	ppb		78
12) trichlorofluoromethane	6.036	101	92487	53.41	ppb		98
13) freon-113	6.809	101	52393	49.30	ppb		88
14) acrolein	6.020	56	53047	222.32	ppb		100
15) 1,1-dichloroethene	6.610	96	50696	50.81	ppb		88
16) acetone	6.159	58	10830	66.33	ppb		87
17) Methyl Acetate	6.800	43	81334	49.41	ppb	#	88
18) methylene chloride	6.759	84	62605	47.95	ppb		95
19) methyl tert butyl ether	7.567	73	186781	49.26	ppb		100
20) acrylonitrile	6.665	53	30973	48.35	ppb		97
21) allyl chloride	6.853	41	114488	49.62	ppb		99
22) trans-1,2-dichloroethene	7.454	96	57442	49.78	ppb		88
23) iodomethane	6.670	142	92594	49.85	ppb		92
24) carbon disulfide	7.039	76	183824	51.71	ppb		97
25) propionitrile	8.077	54	5881	50.64	ppb		100
26) vinyl acetate	7.815	43	157328	47.77	ppb		95
27) chloroprene	8.077	53	114218	51.61	ppb		99
28) di-isopropyl ether	8.120	45	267301	50.27	ppb		77
29) methacrylonitrile	8.234	41	49143	49.25	ppb		79
30) 2-butanone	8.128	72	9150	52.54	ppb	#	1
31) Ethyl Acetate	8.115	43	236784	52.57	ug/L	#	1
32) Hexane	8.102	41	119253	52.18	ppb	#	70
33) 1,1-dichloroethane	7.709	63	126309	50.87	ppb		97
34) tert-butyl ethyl ether	8.523	59	237501	49.54	ppb		97
35) isobutyl alcohol	8.538	43	41800	249.32	ppb		80
36) 2,2-dichloropropane	8.577	77	80475	56.72	ppb		92

ACCUTEST LABORATORIES MC26923

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15218.D
Acq On : 17 Oct 2013 4:39 pm
Operator : jaclynb
Sample : icc756-50
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 05 19:10:16 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.283	96	65542	49.82	ppb		97
38)	bromochloromethane	8.449	128	30080	46.79	ppb	#	77
39)	chloroform	10.326	83	88518	48.23	ppb		98
41)	Tetrahydrofuran	8.832	42	23644	49.41	ppb		100
42)	1,1,1-trichloroethane	9.245	97	92421	50.61	ppb		96
44)	Cyclohexane	9.535	56	131405	50.90	ppb		96
45)	carbon tetrachloride	9.611	117	77051	50.87	ppb		100
46)	1,1-dichloropropene	9.421	75	82300	51.13	ppb		91
47)	benzene	9.648	78	252197	51.63	ppb		100
48)	1,2-dichloroethane	9.145	62	92362	49.28	ppb		98
49)	tert-amyl methyl ether	9.776	73	188320	50.14	ppb		89
50)	heptane	9.774	43	79754	51.73	ppb	#	63
51)	trichloroethene	10.271	95	74414	51.18	ppb		80
52)	1,2-dichloropropane	10.238	63	76247	49.05	ppb		99
53)	dibromomethane	10.212	93	42001	49.07	ppb		91
54)	bromodichloromethane	10.326	83	88518	48.74	ppb		96
55)	Methylcyclohexane	10.790	83	101888	49.19	ppb		98
56)	2-chloroethyl vinyl ether	10.704	63	40424	46.00	ppb		97
57)	methyl methacrylate	10.427	69	44148	47.14	ppb		92
58)	1,4-dioxane	10.447	88	2802	220.92	ppb		77
59)	cis-1,3-dichloropropene	10.949	75	112330	48.49	ppb		92
61)	4-methyl-2-pentanone	11.056	43	78369	49.48	ppb		79
62)	toluene	11.728	92	151225	50.77	ppb		97
63)	trans-1,3-dichloropropene	11.370	75	95679	47.26	ppb		99
64)	1,1,2-trichloroethane	11.543	83	48828	47.08	ppb		90
65)	ethyl methacrylate	11.755	69	85842	47.03	ppb		98
67)	tetrachloroethene	12.471	166	62488	51.49	ppb		96
68)	1,3-dichloropropane	11.780	76	96793	49.39	ppb		94
69)	dibromochloromethane	12.070	129	62305	47.81	ppb		96
70)	1,2-dibromoethane	12.322	107	58829	47.78	ppb		95
71)	2-hexanone	11.929	43	69932	62.62	ppb		99
72)	chlorobenzene	13.153	112	176543	51.74	ppb		89
73)	1,1,1,2-tetrachloroethane	13.072	131	60103	48.64	ppb		98
74)	ethylbenzene	13.330	91	293066	51.27	ppb		93
75)	m,p-xylene	13.514	106	226144	101.45	ppb		88
76)	o-xylene	13.928	106	114985	49.70	ppb		87
77)	styrene	13.855	104	187014	48.39	ppb		92
78)	bromoform	13.680	173	48889	45.42	ppb		98
79)	trans-1,4-dichloro-2-b...	14.081	53	30591m	48.94	ppb		
81)	isopropylbenzene	14.292	105	298426	50.77	ppb		97
83)	bromobenzene	14.579	156	78721	47.97	ppb	#	79
84)	1,1,2,2-tetrachloroethane	13.933	83	61159	46.46	ppb		95
85)	1,2,3-trichloropropane	14.082	75	97245	47.52	ppb		97
86)	n-propylbenzene	14.738	91	366246	50.41	ppb		91
87)	2-chlorotoluene	14.856	91	228637	50.51	ppb		87
88)	4-chlorotoluene	14.932	91	233504	49.49	ppb		86
89)	1,3,5-trimethylbenzene	15.016	105	260584	49.47	ppb		100
90)	tert-butylbenzene	15.321	91	155137	49.34	ppb		79
91)	1,2,4-trimethylbenzene	15.425	105	260172	49.15	ppb		100
92)	sec-butylbenzene	15.544	105	338598	49.66	ppb		96

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15218.D
Acq On : 17 Oct 2013 4:39 pm
Operator : jaclynb
Sample : icc756-50
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 05 19:10:16 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

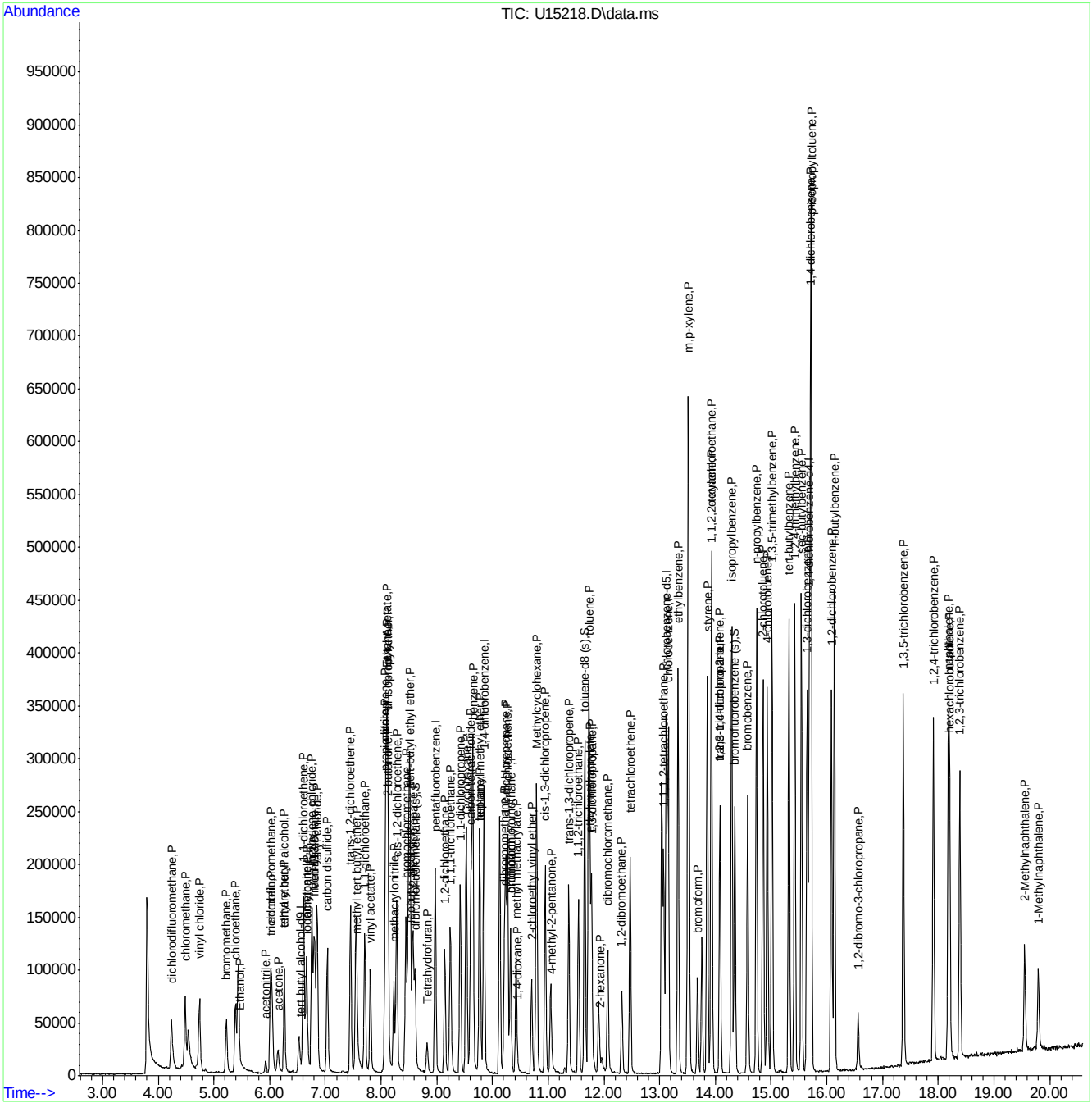
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	15.646	146	157278	48.47	ppb		97
94)	p-isopropyltoluene	15.717	119	271556	49.06	ppb		94
95)	1,4-dichlorobenzene	15.713	146	159377	49.66	ppb		100
96)	1,2-dichlorobenzene	16.082	146	157657	48.96	ppb		96
97)	n-butylbenzene	16.136	91	274350	49.68	ppb		90
98)	1,2-dibromo-3-chloropr...	16.565	75	15660	47.29	ppb	#	74
99)	1,3,5-trichlorobenzene	17.375	180	115727	48.06	ug/L		95
100)	1,2,4-trichlorobenzene	17.915	180	108014	47.86	ppb		94
101)	hexachlorobutadiene	18.205	225	54493	48.45	ppb		96
102)	naphthalene	18.183	128	241968	49.27	ppb		100
103)	2-Methylnaphthalene	19.554	142	57819	26.49	ug/L		98
104)	1-Methylnaphthalene	19.799	142	45816	29.25	ug/L		97
105)	1,2,3-trichlorobenzene	18.389	180	95441	48.00	ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15218.D
Acq On : 17 Oct 2013 4:39 pm
Operator : jaclynb
Sample : icc756-50
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 05 19:10:16 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 11/06/13 08:13

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15219.D
Acq On : 17 Oct 2013 5:06 pm
Operator : jaclynb
Sample : ic756-100
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 05 19:12:57 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.564	65	65056	500.00	ppb		0.01
4) pentafluorobenzene	8.975	168	137469	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.852	114	214329	50.00	ppb		0.00
66) chlorobenzene-d5	13.119	82	112178	50.00	ppb	#	0.00
80) 1,4-dichlorobenzene-d4	15.685	152	109519	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.614	113	102082	94.88	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 189.76%#				
60) toluene-d8 (s)	11.656	98	429845	99.47	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 198.94%#				
82) bromofluorobenzene (s)	14.348	95	185662	96.69	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 193.38%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.268	59	126358	917.37	ppb		84
3) Ethanol	5.511	45	202864	10580.08	ppb		95
5) dichlorodifluoromethane	4.255	85	135550	113.87	ppb		94
6) chloromethane	4.500	50	190235	130.85	ppb		97
7) vinyl chloride	4.755	62	189895	114.32	ppb		99
8) bromomethane	5.233	96	77184	103.30	ppb		98
9) chloroethane	5.392	64	84994	114.42	ppb		81
10) ethyl ether	6.268	59	126358	98.69	ppb		97
11) acetonitrile	5.933	41	23065	99.14	ppb		99
12) trichlorofluoromethane	6.041	101	197368	111.52	ppb		97
13) freon-113	6.814	101	118811	109.37	ppb		91
14) acrolein	6.023	56	114686	470.26	ppb		98
15) 1,1-dichloroethene	6.618	96	108252	106.16	ppb		95
16) acetone	6.165	58	25659	153.76	ppb		96
17) Methyl Acetate	6.800	43	165307	98.26	ppb	#	91
18) methylene chloride	6.766	84	130671	97.93	ppb		91
19) methyl tert butyl ether	7.574	73	381454	98.42	ppb		99
20) acrylonitrile	6.668	53	64040	97.80	ppb		94
21) allyl chloride	6.861	41	241577	102.45	ppb		100
22) trans-1,2-dichloroethene	7.456	96	118801	100.73	ppb		92
23) iodomethane	6.678	142	188076	99.06	ppb		87
24) carbon disulfide	7.047	76	384440	105.81	ppb		98
25) propionitrile	8.078	54	12369	104.21	ppb		100
26) vinyl acetate	7.812	43	297724	88.44	ppb		96
27) chloroprene	8.083	53	243124	107.47	ppb		95
28) di-isopropyl ether	8.125	45	553053	101.77	ppb		71
29) methacrylonitrile	8.235	41	102154	100.17	ppb		76
30) 2-butanone	8.129	72	21624	121.48	ppb	#	1
31) Ethyl Acetate	8.115	43	497252	108.00	ug/L	#	1
32) Hexane	8.102	41	249877	106.98	ppb	#	75
33) 1,1-dichloroethane	7.716	63	261050	102.86	ppb		99
34) tert-butyl ethyl ether	8.527	59	481319	98.22	ppb		99
35) isobutyl alcohol	8.541	43	84542	493.36	ppb		98
36) 2,2-dichloropropane	8.583	77	158019	108.96	ppb		96

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15219.D
Acq On : 17 Oct 2013 5:06 pm
Operator : jaclynb
Sample : ic756-100
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 05 19:12:57 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.289	96	137497	102.25	ppb		98
38)	bromochloromethane	8.451	128	61541	93.65	ppb	#	75
39)	chloroform	10.328	83	184867	98.54	ppb		97
41)	Tetrahydrofuran	8.833	42	48922	100.01	ppb		96
42)	1,1,1-trichloroethane	9.251	97	195770	104.89	ppb		94
44)	Cyclohexane	9.537	56	285644	108.19	ppb		99
45)	carbon tetrachloride	9.615	117	165681	106.97	ppb		99
46)	1,1-dichloropropene	9.423	75	174622	106.08	ppb		94
47)	benzene	9.650	78	518288	103.75	ppb		99
48)	1,2-dichloroethane	9.145	62	191049	99.67	ppb		96
49)	tert-amyl methyl ether	9.777	73	383738	99.90	ppb		89
50)	heptane	9.777	43	160896	102.06	ppb	#	63
51)	trichloroethene	10.274	95	158076	106.32	ppb		82
52)	1,2-dichloropropane	10.240	63	158485	99.70	ppb		100
53)	dibromomethane	10.212	93	85817	98.04	ppb		92
54)	bromodichloromethane	10.328	83	184867	99.55	ppb		98
55)	Methylcyclohexane	10.793	83	226380	106.88	ppb		97
56)	2-chloroethyl vinyl ether	10.702	63	85729	95.40	ppb		98
57)	methyl methacrylate	10.426	69	92787	96.87	ppb		90
58)	1,4-dioxane	10.453	88	7129	549.64	ppb		97
59)	cis-1,3-dichloropropene	10.949	75	233639	98.63	ppb		93
61)	4-methyl-2-pentanone	11.050	43	164529	101.59	ppb		79
62)	toluene	11.728	92	311464	102.26	ppb		99
63)	trans-1,3-dichloropropene	11.370	75	203539	98.32	ppb		94
64)	1,1,2-trichloroethane	11.544	83	103566	97.65	ppb		85
65)	ethyl methacrylate	11.753	69	180408	96.64	ppb		95
67)	tetrachloroethene	12.472	166	131463	104.80	ppb		93
68)	1,3-dichloropropane	11.780	76	202821	100.14	ppb		98
69)	dibromochloromethane	12.071	129	132439	98.32	ppb		100
70)	1,2-dibromoethane	12.323	107	124795	98.06	ppb		98
71)	2-hexanone	11.914	43	150873	130.71	ppb		98
72)	chlorobenzene	13.153	112	357381	101.34	ppb		89
73)	1,1,1,2-tetrachloroethane	13.073	131	123683	96.84	ppb		96
74)	ethylbenzene	13.329	91	607913	102.89	ppb		94
75)	m,p-xylene	13.514	106	468755	203.46	ppb		92
76)	o-xylene	13.928	106	236558	98.93	ppb		87
77)	styrene	13.854	104	386014	96.64	ppb		90
78)	bromoform	13.680	173	102923	92.51	ppb		98
79)	trans-1,4-dichloro-2-b...	14.081	53	63514m	98.30	ppb		
81)	isopropylbenzene	14.292	105	619519	103.07	ppb		96
83)	bromobenzene	14.579	156	162347	96.76	ppb		85
84)	1,1,2,2-tetrachloroethane	13.933	83	122727	91.18	ppb		97
85)	1,2,3-trichloropropane	14.081	75	201517	96.32	ppb		96
86)	n-propylbenzene	14.738	91	757292	101.95	ppb		91
87)	2-chlorotoluene	14.857	91	464775	100.42	ppb		88
88)	4-chlorotoluene	14.932	91	476334	98.73	ppb		87
89)	1,3,5-trimethylbenzene	15.016	105	533011	98.97	ppb		98
90)	tert-butylbenzene	15.322	91	320649	99.73	ppb	#	77
91)	1,2,4-trimethylbenzene	15.425	105	535143	98.88	ppb		98
92)	sec-butylbenzene	15.545	105	708117	101.56	ppb		98

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15219.D
Acq On : 17 Oct 2013 5:06 pm
Operator : jaclynb
Sample : ic756-100
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 05 19:12:57 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	15.647	146	325362	98.06	ppb		97
94)	p-isopropyltoluene	15.717	119	564181	99.68	ppb		96
95)	1,4-dichlorobenzene	15.714	146	327045	99.67	ppb		99
96)	1,2-dichlorobenzene	16.082	146	322806	98.05	ppb		99
97)	n-butylbenzene	16.135	91	574383	101.72	ppb		91
98)	1,2-dibromo-3-chloropr...	16.564	75	33446	98.78	ppb	#	70
99)	1,3,5-trichlorobenzene	17.375	180	241799	98.20	ug/L		95
100)	1,2,4-trichlorobenzene	17.915	180	229351	99.38	ppb		95
101)	hexachlorobutadiene	18.206	225	113526	98.72	ppb		94
102)	naphthalene	18.183	128	504743	100.52	ppb		100
103)	2-Methylnaphthalene	19.553	142	124348	55.71	ug/L		98
104)	1-Methylnaphthalene	19.799	142	94207	58.82	ug/L		95
105)	1,2,3-trichlorobenzene	18.389	180	202580	99.64	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

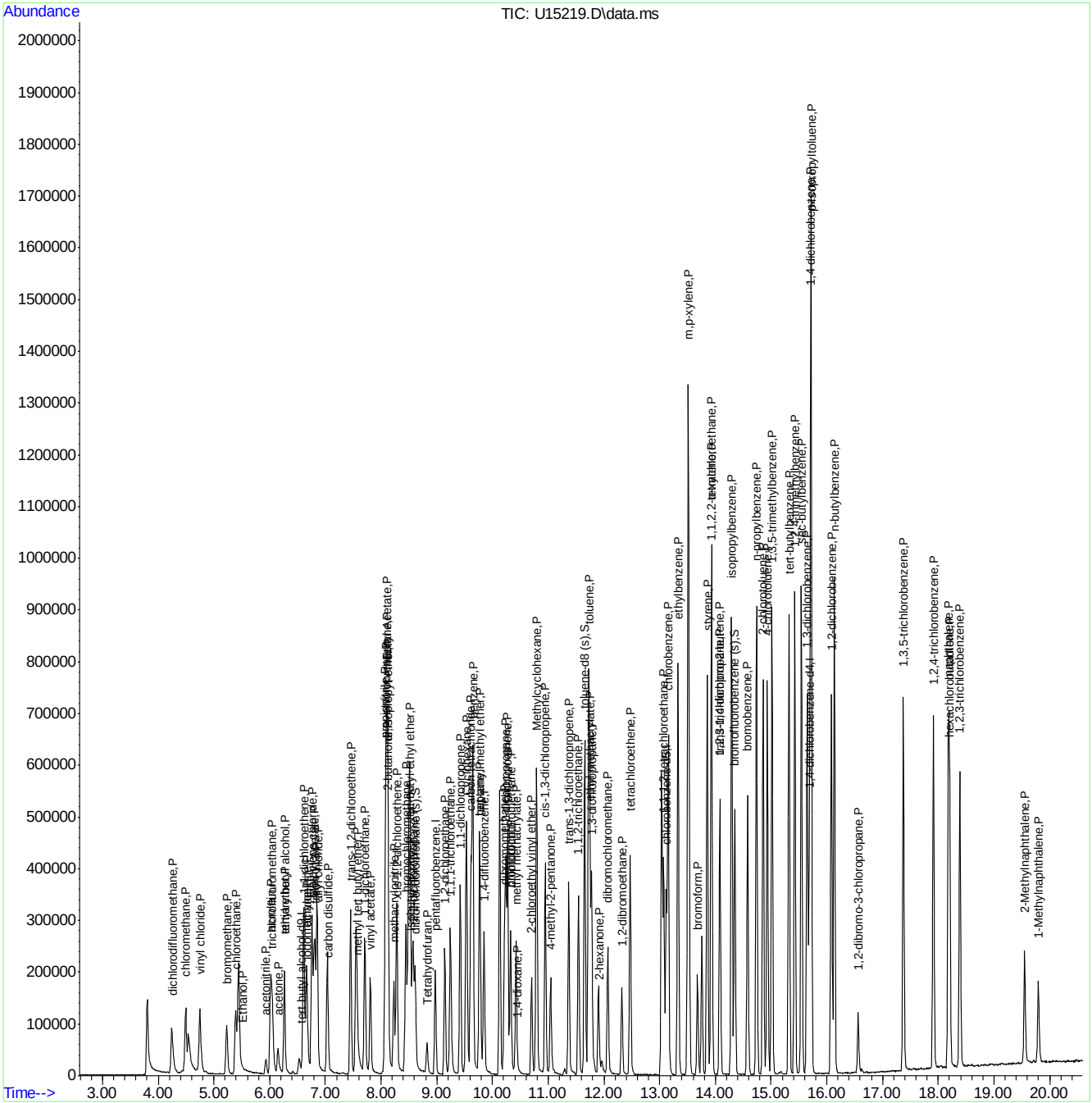
7.6.31

7

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15219.D
Acq On : 17 Oct 2013 5:06 pm
Operator : jaclynb
Sample : ic756-100
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 05 19:12:57 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
11/06/13 08:13

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15220.D
Acq On : 17 Oct 2013 5:34 pm
Operator : jaclynb
Sample : ic756-200
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 05 19:14:00 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.554	65	64582	500.00	ppb		0.00
4) pentafluorobenzene	8.973	168	139382	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.849	114	216704	50.00	ppb		0.00
66) chlorobenzene-d5	13.118	82	114328	50.00	ppb	#	0.00
80) 1,4-dichlorobenzene-d4	15.685	152	114808	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.614	113	214883	196.97	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 393.94%#				
60) toluene-d8 (s)	11.654	98	880870	201.61	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 403.22%#				
82) bromofluorobenzene (s)	14.347	95	397174	197.30	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 394.60%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.265	59	259645	1898.89	ppb		83
3) Ethanol	5.498	45	404654	21259.05	ppb		96
5) dichlorodifluoromethane	4.247	85	257570	213.40	ppb		98
6) chloromethane	4.496	50	341651	231.77	ppb		100
7) vinyl chloride	4.748	62	366866	217.84	ppb		99
8) bromomethane	5.228	96	151626	200.14	ppb		94
9) chloroethane	5.388	64	156349	207.59	ppb		80
10) ethyl ether	6.265	59	259645	200.01	ppb		97
11) acetonitrile	5.929	41	47507	201.40	ppb		98
12) trichlorofluoromethane	6.037	101	379725	211.61	ppb		100
13) freon-113	6.811	101	210709	191.31	ppb		91
14) acrolein	6.020	56	246775	998.00	ppb		97
15) 1,1-dichloroethene	6.614	96	198739	192.22	ppb		86
16) acetone	6.166	58	48239	285.10	ppb		88
17) Methyl Acetate	6.793	43	344972	202.23	ppb	#	91
18) methylene chloride	6.767	84	271467	200.65	ppb		97
19) methyl tert butyl ether	7.571	73	787589	200.42	ppb		99
20) acrylonitrile	6.662	53	131912	198.69	ppb		99
21) allyl chloride	6.856	41	463013	193.66	ppb		98
22) trans-1,2-dichloroethene	7.459	96	232617	194.52	ppb		89
23) iodomethane	6.676	142	376636	195.65	ppb		89
24) carbon disulfide	7.043	76	711292	193.08	ppb		100
25) propionitrile	8.076	54	22441	186.47	ppb		100
26) vinyl acetate	7.809	43	665824	195.07	ppb		97
27) chloroprene	8.076	53	439574	191.65	ppb		97
28) di-isopropyl ether	8.121	45	1118129	202.93	ppb		75
29) methacrylonitrile	8.233	41	209738	202.85	ppb		78
30) 2-butanone	8.124	72	40070	222.02	ppb	#	1
31) Ethyl Acetate	8.112	43	957237	205.05	ug/L	#	1
32) Hexane	8.101	41	480181	202.76	ppb	#	79
33) 1,1-dichloroethane	7.711	63	505879	196.60	ppb		99
34) tert-butyl ethyl ether	8.526	59	995148	200.28	ppb		99
35) isobutyl alcohol	8.539	43	175384	1009.43	ppb		95
36) 2,2-dichloropropane	8.580	77	282760	192.30	ppb		93

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15220.D
Acq On : 17 Oct 2013 5:34 pm
Operator : jaclynb
Sample : ic756-200
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 05 19:14:00 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	8.286	96	270278	198.24	ppb		98
38) bromochloromethane	8.451	128	130051	195.19	ppb	#	78
39) chloroform	10.327	83	372609	195.89	ppb		100
41) Tetrahydrofuran	8.827	42	99099	199.81	ppb		97
42) 1,1,1-trichloroethane	9.249	97	366948	193.91	ppb		98
44) Cyclohexane	9.536	56	523734	196.20	ppb		99
45) carbon tetrachloride	9.614	117	301118	192.28	ppb		98
46) 1,1-dichloropropene	9.421	75	324900	195.21	ppb		94
47) benzene	9.648	78	1001616	198.31	ppb		98
48) 1,2-dichloroethane	9.144	62	392290	202.42	ppb		98
49) tert-amyl methyl ether	9.776	73	789546	203.30	ppb		89
50) heptane	9.776	43	327456	205.43	ppb	#	63
51) trichloroethene	10.272	95	298296	198.44	ppb		80
52) 1,2-dichloropropane	10.238	63	319683	198.89	ppb		100
53) dibromomethane	10.210	93	175722	198.54	ppb		93
54) bromodichloromethane	10.327	83	372609	198.45	ppb		98
55) Methylcyclohexane	10.792	83	426402	199.12	ppb		96
56) 2-chloroethyl vinyl ether	10.703	63	180555	198.72	ppb		97
57) methyl methacrylate	10.423	69	192422	198.70	ppb		88
58) 1,4-dioxane	10.448	88	14074	1073.21	ppb		100
59) cis-1,3-dichloropropene	10.947	75	475805	198.65	ppb		93
61) 4-methyl-2-pentanone	11.045	43	333039	203.39	ppb		79
62) toluene	11.727	92	602625	195.69	ppb		99
63) trans-1,3-dichloropropene	11.368	75	416597	199.02	ppb		95
64) 1,1,2-trichloroethane	11.543	83	214534	200.06	ppb		85
65) ethyl methacrylate	11.750	69	375180	198.78	ppb		94
67) tetrachloroethene	12.470	166	246872	193.10	ppb		94
68) 1,3-dichloropropane	11.778	76	415734	201.40	ppb		99
69) dibromochloromethane	12.069	129	275127	200.41	ppb		99
70) 1,2-dibromoethane	12.321	107	259878	200.36	ppb		99
71) 2-hexanone	11.906	43	268495	228.23	ppb		100
72) chlorobenzene	13.153	112	706490	196.57	ppb		88
73) 1,1,1,2-tetrachloroethane	13.072	131	254478	195.50	ppb		98
74) ethylbenzene	13.328	91	1178826	195.76	ppb		95
75) m,p-xylene	13.514	106	911353	388.13	ppb		89
76) o-xylene	13.928	106	472611	193.92	ppb		86
77) styrene	13.854	104	796707	195.71	ppb		90
78) bromoform	13.679	173	219214	193.33	ppb		98
79) trans-1,4-dichloro-2-b...	14.102	53	150974m	229.27	ppb		
81) isopropylbenzene	14.291	105	1215744	192.96	ppb		96
83) bromobenzene	14.578	156	338793	192.62	ppb	#	83
84) 1,1,2,2-tetrachloroethane	13.932	83	271454	192.38	ppb		94
85) 1,2,3-trichloropropane	14.079	75	433934	197.85	ppb		99
86) n-propylbenzene	14.737	91	1509365	193.83	ppb		93
87) 2-chlorotoluene	14.856	91	948051	195.41	ppb		89
88) 4-chlorotoluene	14.931	91	989506	195.65	ppb		85
89) 1,3,5-trimethylbenzene	15.015	105	1097455	194.39	ppb		99
90) tert-butylbenzene	15.321	91	648647	192.45	ppb	#	77
91) 1,2,4-trimethylbenzene	15.425	105	1107921	195.29	ppb		97
92) sec-butylbenzene	15.544	105	1420781	194.39	ppb		97

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15220.D
Acq On : 17 Oct 2013 5:34 pm
Operator : jaclynb
Sample : ic756-200
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 05 19:14:00 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

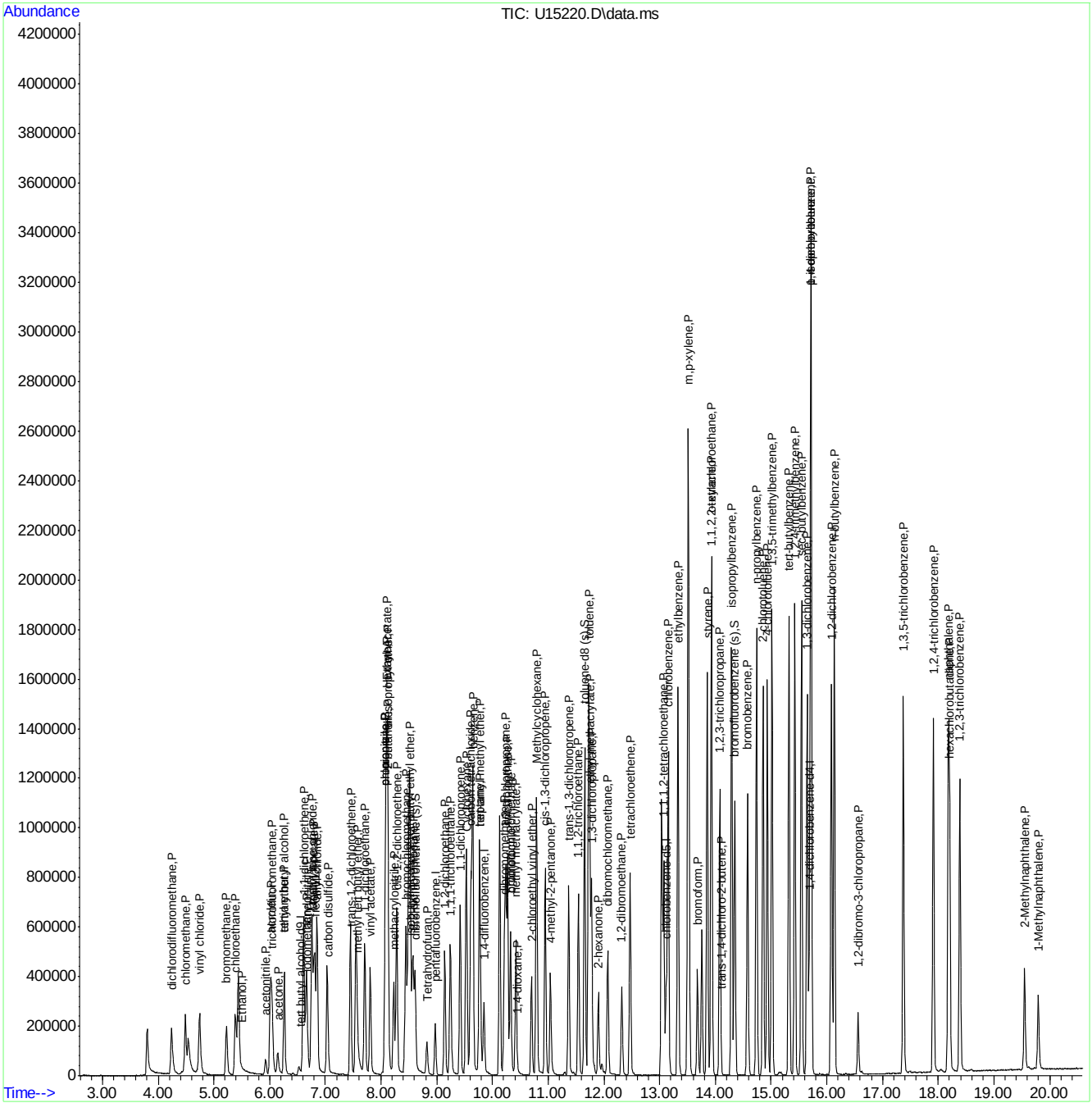
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	15.646	146	682443	196.21	ppb		96
94)	p-isopropyltoluene	15.717	119	1159512	195.43	ppb		95
95)	1,4-dichlorobenzene	15.713	146	685651	199.32	ppb		99
96)	1,2-dichlorobenzene	16.082	146	686354	198.87	ppb		98
97)	n-butylbenzene	16.135	91	1170121	197.67	ppb		92
98)	1,2-dibromo-3-chloropr...	16.563	75	70803	199.48	ppb	#	68
99)	1,3,5-trichlorobenzene	17.374	180	504894	195.60	ug/L		95
100)	1,2,4-trichlorobenzene	17.915	180	479317	198.13	ppb		98
101)	hexachlorobutadiene	18.205	225	229517	190.39	ppb		95
102)	naphthalene	18.182	128	1054033	200.25	ppb		100
103)	2-Methylnaphthalene	19.553	142	246108	105.18	ug/L		98
104)	1-Methylnaphthalene	19.799	142	181967	108.39	ug/L		97
105)	1,2,3-trichlorobenzene	18.389	180	415099	194.77	ppb		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15220.D
Acq On : 17 Oct 2013 5:34 pm
Operator : jaclynb
Sample : ic756-200
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 05 19:14:00 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15221.D
Acq On : 17 Oct 2013 6:02 pm
Operator : jaclynb
Sample : ic756-400
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 05 18:57:44 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.554	65	62909	500.00	ppb		0.00
4) pentafluorobenzene	8.973	168	143376	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.850	114	225826	50.00	ppb		0.00
66) chlorobenzene-d5	13.118	82	120219	50.00	ppb	#	0.00
80) 1,4-dichlorobenzene-d4	15.686	152	120132	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.614	113	448875	400.00	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	800.00%#			
60) toluene-d8 (s)	11.654	98	1821197	400.00	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	800.00%#			
82) bromofluorobenzene (s)	14.348	95	842539	400.00	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	800.00%#			
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.264	59	532772	4000.00	ppb		86
3) Ethanol	5.486	45	741654	40000.00	ppb		95
5) dichlorodifluoromethane	4.248	85	496631	400.00	ppb		98
6) chloromethane	4.502	50	606523	400.00	ppb		97
7) vinyl chloride	4.749	62	692960	400.00	ppb		99
8) bromomethane	5.230	96	311721	400.00	ppb		96
9) chloroethane	5.387	64	309901	400.00	ppb		83
10) ethyl ether	6.265	59	534136	400.00	ppb		95
11) acetonitrile	5.927	41	97056	400.00	ppb		97
12) trichlorofluoromethane	6.038	101	738364	400.00	ppb		97
13) freon-113	6.812	101	453188	400.00	ppb		89
14) acrolein	6.024	56	508710	2000.00	ppb		99
15) 1,1-dichloroethene	6.613	96	425422	400.00	ppb		86
16) acetone	6.154	58	69620	400.00	ppb		99
17) Methyl Acetate	6.794	43	701882	400.00	ppb	#	91
18) methylene chloride	6.768	84	556685	400.00	ppb		97
19) methyl tert butyl ether	7.573	73	1616948	400.00	ppb		99
20) acrylonitrile	6.668	53	273173	400.00	ppb		93
21) allyl chloride	6.860	41	983765	400.00	ppb		96
22) trans-1,2-dichloroethene	7.459	96	492047	400.00	ppb		92
23) iodomethane	6.676	142	792083	400.00	ppb		92
24) carbon disulfide	7.042	76	1515773	400.00	ppb		99
25) propionitrile	8.076	54	49517	400.00	ppb		100
26) vinyl acetate	7.807	43	1404408	400.00	ppb		97
27) chloroprene	8.079	53	943756	400.00	ppb		98
28) di-isopropyl ether	8.122	45	2267147	400.00	ppb		77
29) methacrylonitrile	8.233	41	425441	400.00	ppb		73
30) 2-butanone	8.123	72	74262	400.00	ppb	#	1
31) Ethyl Acetate	8.112	43	1920796	400.00	ug/L	#	1
32) Hexane	8.100	41	974453	400.00	ppb	#	82
33) 1,1-dichloroethane	7.712	63	1058760	400.00	ppb		99
34) tert-butyl ethyl ether	8.527	59	2044416	400.00	ppb		100
35) isobutyl alcohol	8.539	43	357449	2000.00	ppb		96
36) 2,2-dichloropropane	8.582	77	605005	400.00	ppb		95

ACCUTEST LABORATORIES MC26923

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15221.D
Acq On : 17 Oct 2013 6:02 pm
Operator : jaclynb
Sample : ic756-400
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 05 18:57:44 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.286	96	560991	400.00	ppb		100
38)	bromochloromethane	8.454	128	274150	400.00	ppb	#	82
39)	chloroform	10.327	83	782662	400.00	ppb		98
41)	Tetrahydrofuran	8.830	42	204067	400.00	ppb		98
42)	1,1,1-trichloroethane	9.250	97	778636	400.00	ppb		97
44)	Cyclohexane	9.536	56	1112682	400.00	ppb		99
45)	carbon tetrachloride	9.613	117	652775	400.00	ppb		98
46)	1,1-dichloropropene	9.420	75	693773	400.00	ppb		94
47)	benzene	9.648	78	2105362	400.00	ppb		99
48)	1,2-dichloroethane	9.143	62	807846	400.00	ppb		98
49)	tert-amyl methyl ether	9.777	73	1618862	400.00	ppb		89
50)	heptane	9.777	43	664439	400.00	ppb	#	63
51)	trichloroethene	10.272	95	626604	400.00	ppb		81
52)	1,2-dichloropropane	10.238	63	669983	400.00	ppb		100
53)	dibromomethane	10.211	93	368926	400.00	ppb		93
54)	bromodichloromethane	10.327	83	782662	400.00	ppb		98
55)	Methylcyclohexane	10.792	83	892647	400.00	ppb		98
56)	2-chloroethyl vinyl ether	10.702	63	378740	400.00	ppb		97
57)	methyl methacrylate	10.422	69	403675	400.00	ppb		87
58)	1,4-dioxane	10.449	88	27332	2000.00	ppb		91
59)	cis-1,3-dichloropropene	10.947	75	998385	400.00	ppb		93
61)	4-methyl-2-pentanone	11.042	43	682563	400.00	ppb		78
62)	toluene	11.727	92	1283657	400.00	ppb		96
63)	trans-1,3-dichloropropene	11.368	75	872523	400.00	ppb		96
64)	1,1,2-trichloroethane	11.543	83	446990	400.00	ppb		88
65)	ethyl methacrylate	11.749	69	786742	400.00	ppb		91
67)	tetrachloroethene	12.470	166	537736	400.00	ppb		92
68)	1,3-dichloropropane	11.779	76	868233	400.00	ppb		99
69)	dibromochloromethane	12.069	129	577426	400.00	ppb		97
70)	1,2-dibromoethane	12.322	107	545552	400.00	ppb		96
71)	2-hexanone	11.902	43	494812	400.00	ppb		97
72)	chlorobenzene	13.153	112	1511697	400.00	ppb		87
73)	1,1,1,2-tetrachloroethane	13.072	131	547511	400.00	ppb		97
74)	ethylbenzene	13.328	91	2532822	400.00	ppb		95
75)	m,p-xylene	13.514	106	1975231	800.00	ppb		90
76)	o-xylene	13.928	106	1025063	400.00	ppb		87
77)	styrene	13.855	104	1712269	400.00	ppb		88
78)	bromoform	13.680	173	476915	400.00	ppb		97
79)	trans-1,4-dichloro-2-b...	13.758	53	310247	448.06	ppb		98
81)	isopropylbenzene	14.292	105	2637127	400.00	ppb		98
83)	bromobenzene	14.578	156	736188	400.00	ppb	#	84
84)	1,1,2,2-tetrachloroethane	13.933	83	590597	400.00	ppb		95
85)	1,2,3-trichloropropane	14.080	75	917982	400.00	ppb		99
86)	n-propylbenzene	14.738	91	3259293	400.00	ppb		92
87)	2-chlorotoluene	14.857	91	2030660	400.00	ppb		90
88)	4-chlorotoluene	14.931	91	2116849	400.00	ppb		86
89)	1,3,5-trimethylbenzene	15.015	105	2362943	400.00	ppb		99
90)	tert-butylbenzene	15.321	91	1410702	400.00	ppb	#	77
91)	1,2,4-trimethylbenzene	15.426	105	2374552	400.00	ppb		98
92)	sec-butylbenzene	15.546	105	3059080	400.00	ppb		98

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15221.D
Acq On : 17 Oct 2013 6:02 pm
Operator : jaclynb
Sample : ic756-400
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 05 18:57:44 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration

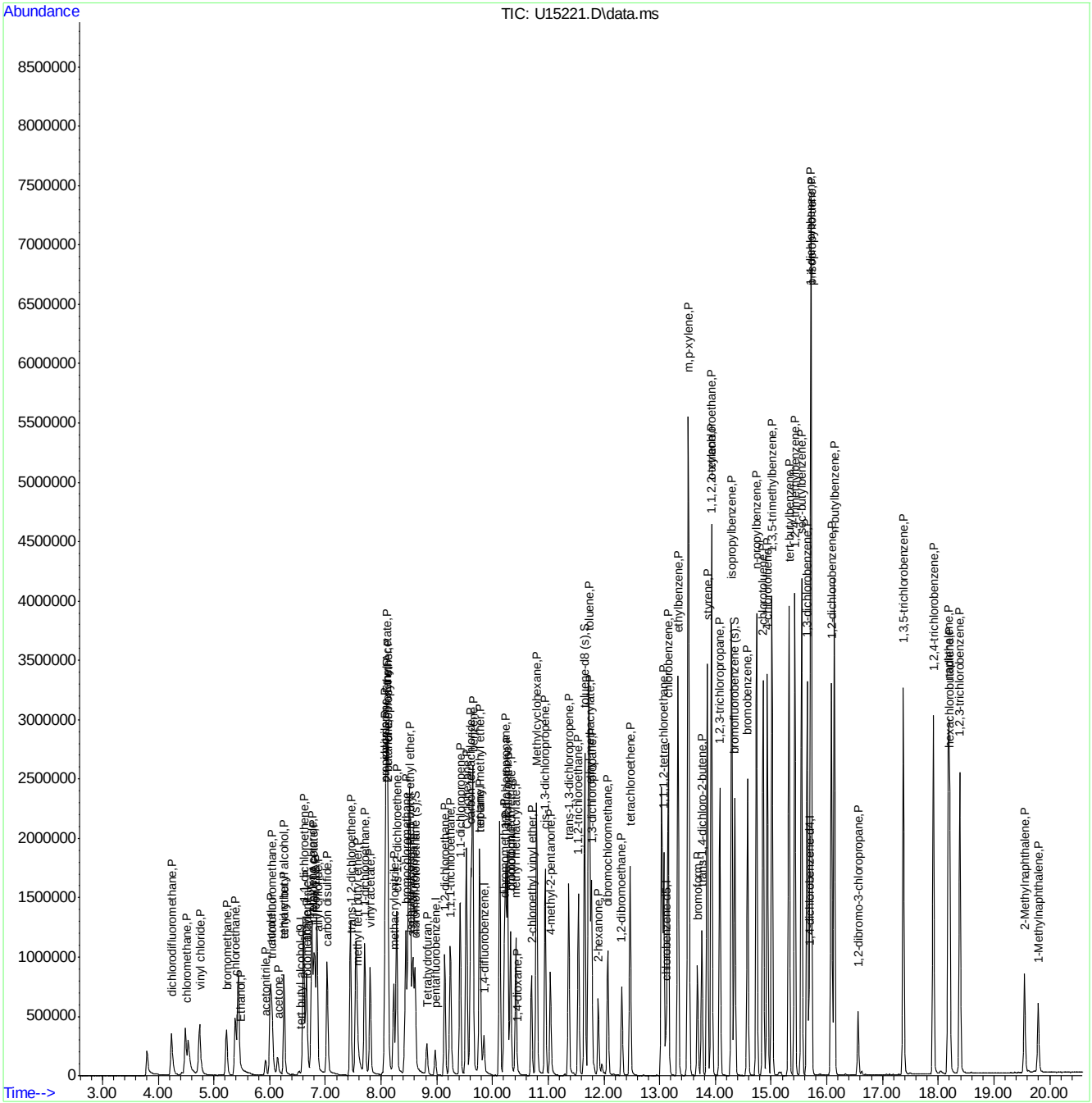
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	15.647	146	1455768	400.00	ppb		96
94)	p-isopropyltoluene	15.717	119	2483311	400.00	ppb		95
95)	1,4-dichlorobenzene	15.714	146	1439757	400.00	ppb		97
96)	1,2-dichlorobenzene	16.082	146	1444498	400.00	ppb		98
97)	n-butylbenzene	16.135	91	2477593	400.00	ppb		92
98)	1,2-dibromo-3-chloropr...	16.562	75	148557	400.00	ppb	#	70
99)	1,3,5-trichlorobenzene	17.375	180	1080371	400.00	ug/L		95
100)	1,2,4-trichlorobenzene	17.914	180	1012575	400.00	ppb		97
101)	hexachlorobutadiene	18.205	225	504573	400.00	ppb		95
102)	naphthalene	18.182	128	2203062	400.00	ppb		100
103)	2-Methylnaphthalene	19.551	142	489688	200.00	ug/L		98
104)	1-Methylnaphthalene	19.797	142	351336	200.00	ug/L		97
105)	1,2,3-trichlorobenzene	18.389	180	892035	400.00	ppb		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15221.D
Acq On : 17 Oct 2013 6:02 pm
Operator : jaclynb
Sample : ic756-400
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 05 18:57:44 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 18:55:23 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15224.D
Acq On : 17 Oct 2013 7:24 pm
Operator : jaclynb
Sample : icv756-50
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 05 19:18:13 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.545	65	64050	500.00	ppb		0.00
4) pentafluorobenzene	8.976	168	141459	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.851	114	219248	50.00	ppb		0.00
66) chlorobenzene-d5	13.119	82	113302	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.685	152	108649	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.611	113	57761	53.08	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.16%				
60) toluene-d8 (s)	11.656	98	246829	54.60	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.20%				
82) bromofluorobenzene (s)	14.349	95	104491	55.30	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.60%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.267	59	70150	575.00	ppb		98
3) Ethanol	5.448	45	85814	4561.05	ppb		99
5) dichlorodifluoromethane	4.249	85	84793	64.70	ppb		99
6) chloromethane	4.492	50	128272	66.53	ppb		99
7) vinyl chloride	4.744	62	94399	49.91	ppb		99
8) bromomethane	5.226	96	48333	60.07	ppb		92
9) chloroethane	5.387	64	46589	57.47	ppb		97
10) ethyl ether	6.267	59	70150	55.82	ppb		99
11) acetonitrile	5.931	41	9611	44.59	ppb		95
12) trichlorofluoromethane	6.037	101	103736	53.64	ppb		100
13) freon-113	6.810	101	62427	55.39	ppb		99
14) acrolein	6.017	56	76193	350.52	ppb		98
15) 1,1-dichloroethene	6.610	96	61775	56.91	ppb		98
16) acetone	6.161	58	11591	52.21	ppb		97
17) Methyl Acetate	6.795	43	69594	40.11	ppb	#	95
18) methylene chloride	6.762	84	77260	56.67	ppb		99
19) methyl tert butyl ether	7.567	73	208541	53.16	ppb		100
20) acrylonitrile	6.664	53	33954	56.00	ppb		98
21) allyl chloride	6.856	41	142958	55.80	ppb		97
22) trans-1,2-dichloroethene	7.455	96	72512	57.36	ppb		95
23) iodomethane	6.669	142	109564	55.79	ppb		99
24) carbon disulfide	7.041	76	233294	60.29	ppb		99
25) propionitrile	8.077	54	7330	60.61	ppb		100
26) vinyl acetate	7.813	43	185667	58.52	ppb		100
27) chloroprene	8.077	53	144100	59.99	ppb		99
28) di-isopropyl ether	8.123	45	303963	52.90	ppb		98
29) methacrylonitrile	8.233	41	54375	53.44	ppb		94
30) 2-butanone	8.127	72	10262	55.51	ppb	#	95
31) Ethyl Acetate	8.117	43	273681	54.20	ug/L		98
32) Hexane	8.102	41	138450	52.62	ppb		94
33) 1,1-dichloroethane	7.712	63	156395	58.58	ppb		96
34) tert-butyl ethyl ether	8.524	59	280605	56.47	ppb		98
35) isobutyl alcohol	8.536	43	48511	268.94	ppb		98
36) 2,2-dichloropropane	8.578	77	105728	63.95	ppb		97

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15224.D
Acq On : 17 Oct 2013 7:24 pm
Operator : jaclynb
Sample : icv756-50
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 05 19:18:13 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	8.284	96	80001	55.82	ppb		98
38) bromochloromethane	8.450	128	35708	57.37	ppb		96
39) chloroform	10.326	83	103180	53.48	ppb		93
41) Tetrahydrofuran	8.829	42	24781	49.56	ppb		95
42) 1,1,1-trichloroethane	9.248	97	111355	57.77	ppb		96
44) Cyclohexane	9.533	56	139969	51.62	ppb		97
45) carbon tetrachloride	9.611	117	91533	57.89	ppb		100
46) 1,1-dichloropropene	9.423	75	102306	58.17	ppb		98
47) benzene	9.649	78	303488	58.54	ppb		97
48) 1,2-dichloroethane	9.145	62	109572	55.51	ppb		97
49) tert-amyl methyl ether	9.776	73	218486	54.74	ppb		95
50) heptane	9.775	43	89979	56.22	ppb		98
51) trichloroethene	10.273	95	89593	57.83	ppb		97
52) 1,2-dichloropropane	10.238	63	89844	56.22	ppb		98
53) dibromomethane	10.212	93	48829	58.10	ppb		96
54) bromodichloromethane	10.326	83	103180	55.99	ppb		94
55) Methylcyclohexane	10.791	83	119622	54.97	ppb		97
56) 2-chloroethyl vinyl ether	10.705	63	57420	71.04	ppb		99
57) methyl methacrylate	10.427	69	48955	58.56	ppb		92
58) 1,4-dioxane	10.442	88	2981	233.40	ppb	#	57
59) cis-1,3-dichloropropene	10.949	75	129636	51.83	ppb		98
61) 4-methyl-2-pentanone	11.054	43	86955	53.72	ppb		97
62) toluene	11.728	92	181680	55.64	ppb		95
63) trans-1,3-dichloropropene	11.370	75	119306	55.99	ppb		92
64) 1,1,2-trichloroethane	11.543	83	56502	54.82	ppb		99
65) ethyl methacrylate	11.753	69	96159	54.78	ppb		97
67) tetrachloroethene	12.471	166	76124	55.70	ppb		96
68) 1,3-dichloropropane	11.780	76	112698	56.29	ppb		97
69) dibromochloromethane	12.071	129	73933	54.51	ppb		97
70) 1,2-dibromoethane	12.323	107	68741	55.81	ppb		100
71) 2-hexanone	11.927	43	71776	51.02	ppb		98
72) chlorobenzene	13.154	112	198951	54.67	ppb		99
73) 1,1,1,2-tetrachloroethane	13.072	131	72542	57.96	ppb		98
74) ethylbenzene	13.330	91	355110	54.96	ppb		98
75) m,p-xylene	13.515	106	267914	107.54	ppb		98
76) o-xylene	13.928	106	132878	54.04	ppb		97
77) styrene	13.855	104	221751	56.84	ppb		97
78) bromoform	13.680	173	54397	55.05	ppb		96
79) trans-1,4-dichloro-2-b...	14.081	53	34097	53.94	ppb		95
81) isopropylbenzene	14.292	105	344089	56.87	ppb		100
83) bromobenzene	14.580	156	92407	57.61	ppb		94
84) 1,1,2,2-tetrachloroethane	13.933	83	72346	56.42	ppb		94
85) 1,2,3-trichloropropane	14.082	75	110415	55.93	ppb		97
86) n-propylbenzene	14.738	91	406513	53.80	ppb		99
87) 2-chlorotoluene	14.857	91	257785	54.24	ppb		97
88) 4-chlorotoluene	14.932	91	272578	55.55	ppb		99
89) 1,3,5-trimethylbenzene	15.016	105	303128	55.94	ppb		99
90) tert-butylbenzene	15.322	91	175951	54.51	ppb		98
91) 1,2,4-trimethylbenzene	15.426	105	302602	55.25	ppb		97
92) sec-butylbenzene	15.545	105	383472	54.71	ppb		98

ACCUTEST LABORATORIES MC26923

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15224.D
Acq On : 17 Oct 2013 7:24 pm
Operator : jaclynb
Sample : icv756-50
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 05 19:18:13 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

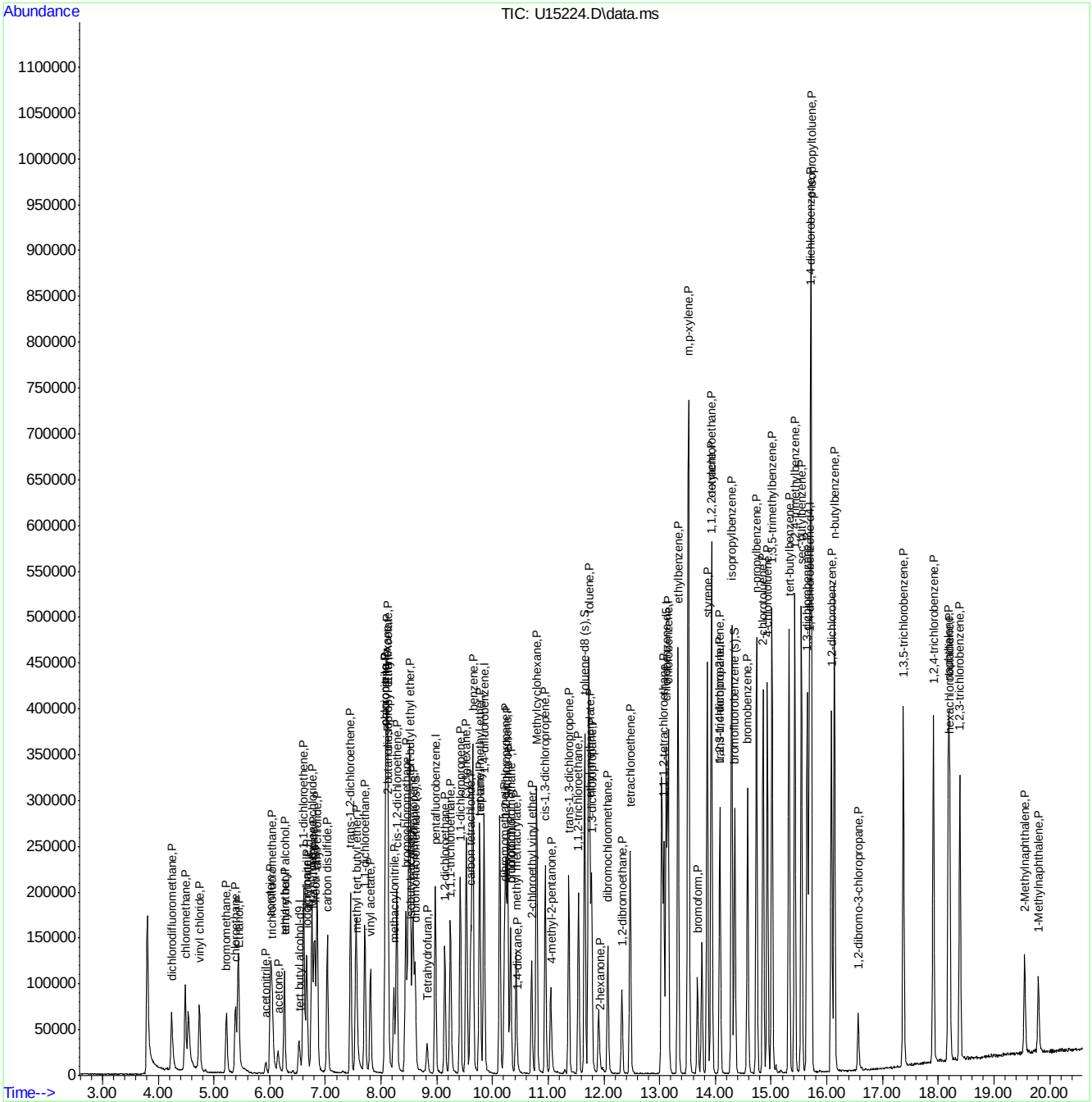
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.647	146	180646	55.32	ppb	99
94)	p-isopropyltoluene	15.717	119	319948	57.52	ppb	98
95)	1,4-dichlorobenzene	15.714	146	186800	57.15	ppb	99
96)	1,2-dichlorobenzene	16.083	146	172728	53.02	ppb	98
97)	n-butylbenzene	16.136	91	317838	54.73	ppb	97
98)	1,2-dibromo-3-chloropr...	16.565	75	17869	52.73	ppb	93
99)	1,3,5-trichlorobenzene	17.375	180	132604	53.53	ug/L	100
100)	1,2,4-trichlorobenzene	17.915	180	124889	53.04	ppb	97
101)	hexachlorobutadiene	18.205	225	63556	50.89	ppb	100
102)	naphthalene	18.183	128	268809	51.49	ppb	100
103)	2-Methylnaphthalene	19.554	142	64324	26.06	ug/L	98
104)	1-Methylnaphthalene	19.799	142	48585	25.35	ug/L	98
105)	1,2,3-trichlorobenzene	18.389	180	107386	50.68	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\u131017\
Data File : U15224.D
Acq On : 17 Oct 2013 7:24 pm
Operator : jaclynb
Sample : icv756-50
Misc : MS30140,MSU756,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 05 19:18:13 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
12/10/13 10:40

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16653.D
Acq On : 9 Dec 2013 9:02 am
Operator : garyk
Sample : bs
Misc : ms30714,msu797,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 11:51:10 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.547	65	52546m	500.00	ppb		0.00
4) pentafluorobenzene	8.966	168	151058	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.842	114	231886	50.00	ppb		0.00
66) chlorobenzene-d5	13.109	82	115161	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.675	152	114560	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.602	113	70454	60.63	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 121.26%				
60) toluene-d8 (s)	11.646	98	271539	56.80	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 113.60%				
82) bromofluorobenzene (s)	14.339	95	103260	51.83	ppb		-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.66%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.259	59	69499	694.39	ppb		91
3) Ethanol	5.496	45	88069	5705.70	ppb	#	39
5) dichlorodifluoromethane	4.244	85	64609	46.17	ppb		97
6) chloromethane	4.522	50	138856	67.44	ppb		96
7) vinyl chloride	4.746	62	96643	47.85	ppb		97
8) bromomethane	5.243	96	44511	51.80	ppb		96
9) chloroethane	5.386	64	53975	62.35	ppb		98
10) ethyl ether	6.259	59	69499	51.79	ppb		99
11) acetonitrile	5.925	41	20965	91.09	ppb		81
12) trichlorofluoromethane	6.040	101	106674	51.65	ppb		96
13) freon-113	6.804	101	63435	52.70	ppb		93
14) acrolein	6.023	56	5866	25.27	ppb		57
15) 1,1-dichloroethene	6.603	96	61592	53.13	ppb		95
16) acetone	6.148	58	10290m	43.40	ppb		
17) Methyl Acetate	6.792	43	86839	46.86	ppb	#	93
18) methylene chloride	6.753	84	74059	50.87	ppb		89
19) methyl tert butyl ether	7.557	73	187974	44.88	ppb		88
20) acrylonitrile	6.662	53	67753	104.65	ppb		91
21) allyl chloride	6.849	41	154925	56.63	ppb		96
22) trans-1,2-dichloroethene	7.445	96	71646	53.08	ppb		98
23) iodomethane	6.663	142	102438	48.85	ppb		95
24) carbon disulfide	7.040	76	213802	51.74	ppb		97
25) propionitrile	8.070	54	7778	60.23	ppb		100
26) vinyl acetate	7.804	43	205775	60.74	ppb		99
27) chloroprene	8.068	53	152590	59.49	ppb		95
28) di-isopropyl ether	8.116	45	356204	58.05	ppb		97
29) methacrylonitrile	8.226	41	60857	56.01	ppb		95
30) 2-butanone	8.121	72	9269	46.95	ppb	#	40
31) Ethyl Acetate	8.106	43	306249	56.80	ug/L		97
32) Hexane	8.093	41	158370	56.36	ppb		93
33) 1,1-dichloroethane	7.703	63	158854	55.72	ppb		99
34) tert-butyl ethyl ether	8.518	59	276154	52.04	ppb		97
35) isobutyl alcohol	8.538	43	53166	276.02	ppb	#	60
36) 2,2-dichloropropane	8.569	77	90321	51.16	ppb		96

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16653.D
Acq On : 9 Dec 2013 9:02 am
Operator : garyk
Sample : bs
Misc : ms30714,msu797,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 11:51:10 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.275	96	78981	51.61	ppb		98
38)	bromochloromethane	8.442	128	37384	56.25	ppb		88
39)	chloroform	10.318	83	106507	51.70	ppb		99
41)	Tetrahydrofuran	8.819	42	27339	51.20	ppb		94
42)	1,1,1-trichloroethane	9.243	97	112201	54.51	ppb		92
44)	Cyclohexane	9.526	56	161492	56.31	ppb		95
45)	carbon tetrachloride	9.606	117	90922	54.37	ppb		99
46)	1,1-dichloropropene	9.412	75	102709	55.22	ppb		95
47)	benzene	9.640	78	308512	56.22	ppb		95
48)	1,2-dichloroethane	9.136	62	110705	53.02	ppb		100
49)	tert-amyl methyl ether	9.768	73	207487	49.15	ppb		92
50)	heptane	9.766	43	98695	58.31	ppb		96
51)	trichloroethene	10.263	95	81850	49.95	ppb		96
52)	1,2-dichloropropane	10.229	63	95135	56.29	ppb		98
53)	dibromomethane	10.202	93	49170	55.31	ppb		95
54)	bromodichloromethane	10.318	83	106507	54.65	ppb		99
55)	Methylcyclohexane	10.787	83	136052	59.11	ppb		96
56)	2-chloroethyl vinyl ether	10.698	63	50280	58.82	ppb		98
57)	methyl methacrylate	10.418	69	45161	51.08	ppb		90
58)	1,4-dioxane	10.429	88	2090	159.63	ppb	#	56
59)	cis-1,3-dichloropropene	10.940	75	126584	47.86	ppb		99
61)	4-methyl-2-pentanone	11.044	43	90482	52.85	ppb		95
62)	toluene	11.719	92	183864	53.24	ppb		98
63)	trans-1,3-dichloropropene	11.361	75	112173	49.77	ppb		96
64)	1,1,2-trichloroethane	11.534	83	58891	54.02	ppb		96
65)	ethyl methacrylate	11.743	69	89336	48.11	ppb		86
67)	tetrachloroethene	12.462	166	82036	59.05	ppb		96
68)	1,3-dichloropropane	11.771	76	111283	54.68	ppb		98
69)	dibromochloromethane	12.061	129	74031	53.70	ppb		96
70)	1,2-dibromoethane	12.313	107	68648	54.83	ppb		93
71)	2-hexanone	11.915	43	76039	53.17	ppb		98
72)	chlorobenzene	13.144	112	202847	54.84	ppb		97
73)	1,1,1,2-tetrachloroethane	13.063	131	74498	58.56	ppb		99
74)	ethylbenzene	13.320	91	361958	55.11	ppb		97
75)	m,p-xylene	13.505	106	270733	106.92	ppb		95
76)	o-xylene	13.918	106	133101	53.25	ppb		100
77)	styrene	13.845	104	221157	55.77	ppb		99
78)	bromoform	13.671	173	50041	49.83	ppb		96
79)	trans-1,4-dichloro-2-b...	14.073	53	14686	22.86	ppb	#	23
81)	isopropylbenzene	14.282	105	353842	55.47	ppb		99
83)	bromobenzene	14.570	156	96444	57.03	ppb		86
84)	1,1,2,2-tetrachloroethane	13.923	83	87589	64.49	ppb		99
85)	1,2,3-trichloropropane	14.073	75	81240	39.03	ppb		100
86)	n-propylbenzene	14.729	91	418358	52.51	ppb		99
87)	2-chlorotoluene	14.846	91	255037	50.89	ppb		95
88)	4-chlorotoluene	14.923	91	265845	51.38	ppb		99
89)	1,3,5-trimethylbenzene	15.006	105	302248	52.90	ppb		95
90)	tert-butylbenzene	15.312	91	174777	51.35	ppb		98
91)	1,2,4-trimethylbenzene	15.416	105	298326	51.66	ppb		98
92)	sec-butylbenzene	15.535	105	402794	54.50	ppb		98

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16653.D
Acq On : 9 Dec 2013 9:02 am
Operator : garyk
Sample : bs
Misc : ms30714,msu797,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 11:51:10 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration

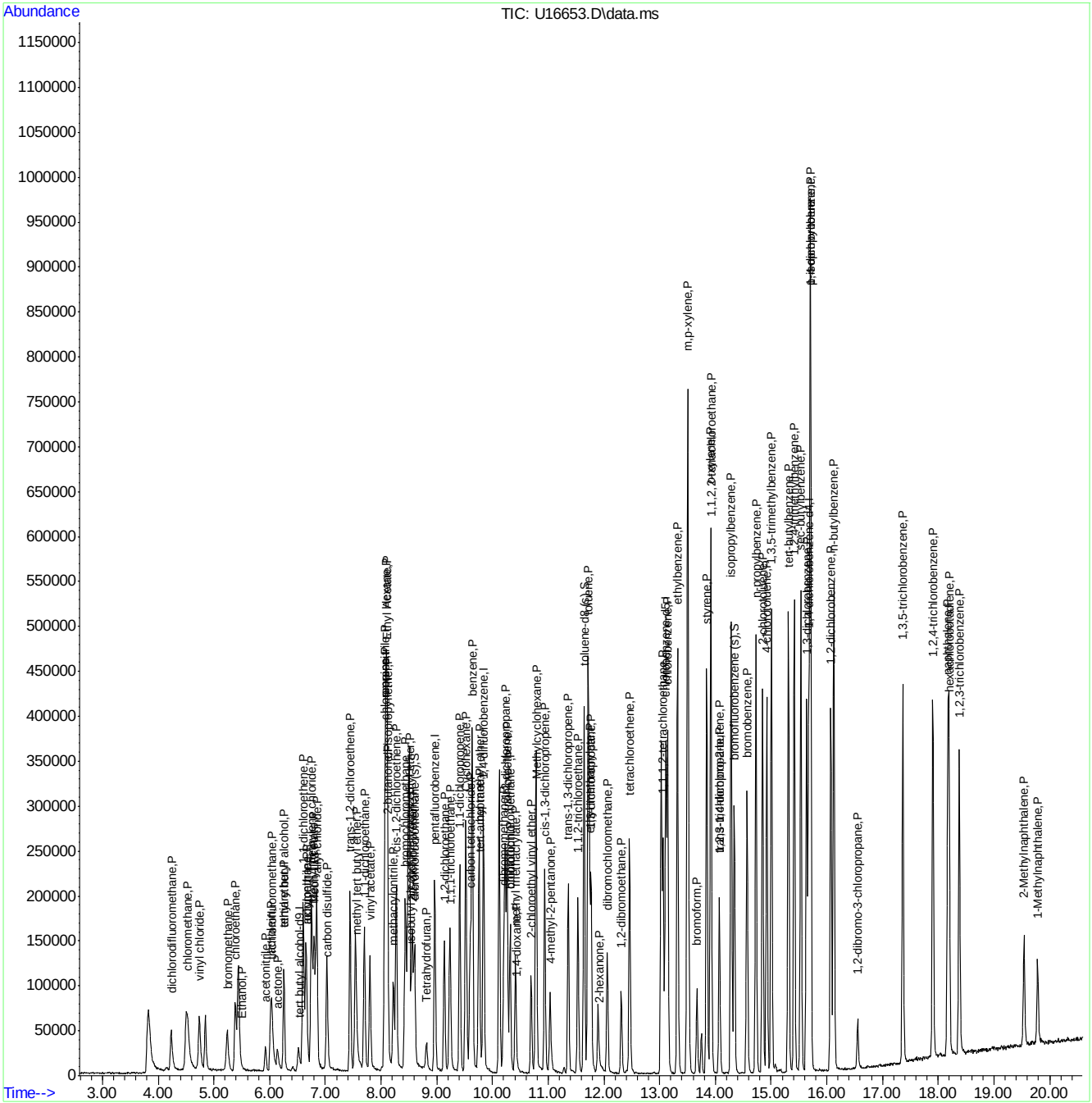
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.637	146	186248	54.09	ppb	96
94)	p-isopropyltoluene	15.708	119	329303	56.15	ppb	98
95)	1,4-dichlorobenzene	15.704	146	188130	54.57	ppb	98
96)	1,2-dichlorobenzene	16.073	146	180245	52.47	ppb	97
97)	n-butylbenzene	16.127	91	329198	53.76	ppb	98
98)	1,2-dibromo-3-chloropr...	16.555	75	15701	43.94	ppb	97
99)	1,3,5-trichlorobenzene	17.366	180	147808	56.59	ug/L	100
100)	1,2,4-trichlorobenzene	17.906	180	141843	57.13	ppb	94
101)	hexachlorobutadiene	18.195	225	75713	57.50	ppb	97
102)	naphthalene	18.173	128	278144	50.53	ppb	100
103)	2-Methylnaphthalene	19.543	142	72952	28.03	ug/L	97
104)	1-Methylnaphthalene	19.788	142	57926	28.67	ug/L	98
105)	1,2,3-trichlorobenzene	18.379	180	124453	55.70	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131209\
Data File : U16653.D
Acq On : 9 Dec 2013 9:02 am
Operator : garyk
Sample : bs
Misc : ms30714,msu797,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 11:51:10 2013
Quant Method : D:\msdchem\1\methods\U131017W.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 05 19:17:58 2013
Response via : Initial Calibration



Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9478	8260CC	200ug/mL
497	CCgas	200
484	BS	200
492	BS gas	200
439	IS	250
440	SS	200

Daily Saved File

Tune file 1:	M62063
Tune file 2:	~~NA~~ M62084
Initial Cal:	12-11-13
ID File:	M131211S.M
ICAL Verified:	KD
Sequence verified:	KD

Date: 12-11-13

Batch ID: MSM2169

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M62053	blank	NA	NA	NA	1	NA	NA	NA	NA	NA	-
54	CC2167-50	3,2			2						QC Fail
55	BS	3,2			3						Recurve
56	BSD	3,2			4						-
57	iblk	NA			5						-
58	iblk	NA			6						-
59	blank	NA			KD 7 1						-
60	test 0.5	3,2			8 2						OK
61	test 5	3,2			9 3						OK
62	blank	NA			10 4						-
63	bfb	NA			11 5						✓
64	IC2169-2	3,2			12 6						misspike?
65	-0.5				13 7						VV
66	-5				14 8						VV
67	-10				15 9						VV
68	-20				16 10						VV
69	ICC2169-50				17 11						misspike?
70	IC2169-100				18 12						VV
71	-200				19 13						VV
72	-400				20 14						VV
73	Blank	NA			15						-
74 KD	~~ICC2169-50~~ ~~Blank~~ KD Blank	NA			16						ICC2169-50
75	~~ICV2169-50~~	3,2			17						Blank
76	IC2169-2	3,2			18						IC2169-2 ✓
77	ICV2169-50 ~~Blank~~	3,2 ~~NA~~			19						ICV2169-5
78	ICV2169-50 ~~Blank~~	3,2 ~~NA~~			20						↓
79	Blank	NA			21						-
80	Blank	NA			22						-
	12-11-13 KD										

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review:

7.2.1

7

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9478	8260 cc	200 ug/mL
497	ccgas	200
484	BS	200
492	BS gas	200
481	IS/SS	250

Daily Saved File

Tune file 1:	M62063
Tune file 2:	M62084
Initial Cal:	12-11-13
ID File:	M1312115.M
ICAL Verified:	KD
Sequence verified:	KR

Date: 12-12-13

Batch ID: MSM2169

Analysts KD

Signature: KD

34

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M62081	blank	NA	NA	NA	1	NA	NA	NA	NA	NA	-
82	blank	NA			2						-
83	CC2169-SO	3,2			3						-
84	BS (ICV)	3,2			4						VV
85	BSD	3,2			5						-
86	iblk	NA			6						-
87	mb	NA			7						VV
88	MC26915-1	4	MS30744	TCL	8	SO	5.760				VV
89	MC26949-1A	1	MS30756	RCP	9	SSTB	5				VV
90	-3	3			10	SO	6.019				VV
91	-4	3			11		5.930				VV
92	-5	3			12		6.292				VV
93	-6	2			13		(KD) ~~5.099~~ 6.028				VV
94	-7	2			14		~~4.115~~ 6.251				VV
95	-8	2			15		~~5.402~~ 4.751				VV
96	-9	2			16		5.961				VV
97	-10	2			17		6.504				VV
98	-11	2			18		5.791				VV
99	MC26915-1MS	1	MS30744	TCL	19		5.183				VV
M62100	-1MSD	1			20		5.244				VV
01	MC26975-4	3	MS30756	RCP	21		5.125				VV
02	-5	3			22		4.912				VV
03	-6	3			23		5.099				VV
04	-7	2			24		4.115				VV
05	-8	3			25		5.402				VV
06	-9	2			26		4.383				VV
07	-10	3			27		4.393				VV
08	Blank	NA	NA	NA	28	NA	NA				-
12-12-13 (KD)											

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review: _____

7.2.1

7

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS94478	8260 CC	200 ug/ML
497	CCqas	200
484	BS	200
492	BS qas	200
481	ISTDS	250

Daily Saved File

Tune file 1:	M62162
Tune file 2:	NA
Initial Cal:	12-11-13
ID File:	M131211S.M
ICAL Verified:	KD
Sequence verified:	JM

Date: 12-13-13

Batch ID: MSM2172

Analysts KD

Signature:

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*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M62162	CC2169-50	3,2	NA	NA	28	NA	NA	NA	NA	NA	VV
63	BS				29						-
64	BSD				30						VV
65	iblk	NA			31						-
66	mb				32						VV
67	MC27002-25	1	MS30779	Std+MTBE	33	SO	4.535				VV
68	MC26923-9	1		TCL42+	34		4.685				VV
69	-10	1			35		5.305				VV
70	-11	1			36		6.467				VV
71	-12	1			37		4.901				VV
72	-13	1			38		5.265				VV
73	-14	1			39		4.614				VV
74	-15	1			40		4.616				VV
* 75	MC26964-3	1		Std+MTBE	41		4.511				VV
76	-9	1		TCL42+	42		5.175				VV
77	-12	1			43		4.238				VV
78	MC27002-25MS	1		Std+MTBE	44		5.184				VV
79	-25MSD	1			45		5.355				VV
80	MC27055-6	3		RCP	46		5.819				VV
81	-7	3			47		3.606				RR↓IS
82	-8	3			48		5.268				VV
83	-9	2			49		6.273				VV
84	-10	3			50		3.240				RR↓IS
85	Blank	NA	NA	NA	51	NA	NA				-

12-13-13 KD

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water

MS001-05 Date: 07/22/13

Review:

7.7.2

7

Accutest Laboratories of New England, Inc. **Instrument: GCMS N**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9478	8260 CC	200ug/mL
457	CCgas	"
450	bs	
462	bsgas	
440	SS	"
396	IS	125ppm

Daily Saved File

Tune file 1:	N82680
Tune file 2:	
Initial Cal:	11/25/13
ID File:	N131125
ICAL Verified:	JSB
Sequence verified:	JSB

Date: 11/25/13

Batch ID: MSN3086

Analysts JSB

Signature: JSB

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
N82680	lblk	NA	NA	NA	15	NA	5mL	NA	1:1	NA	
681	CC3048-50	3/2			16						Int. ↑
682	bs	3/2			17						
683	bsd	"			18						Recurve
684	lblk	NA			15						✓
685	lblk				16						✓
686	lblk				17						✓
687	bPb				18						✓✓
688	lblk	"		"	19						✓
689	IC3086-0.5	1/2		Curve	20						✓✓
690	-1			8260	21						✓✓
691	-2				22						✓✓
692	-5				23						✓✓
693	-10				24						✓✓
694	-25				25						✓✓
695	ICS3086-50				26						✓✓
696	IC3086-100				27						✓✓
697	-200				28						✓✓
698	-400	"			29						✓✓
699	lblk	NA			30						✓
700	lblk	"			31						✓
701	ICV3086-50	3/2			32						✓✓
702	"	"			33						✓
703	lblk	NA			34						✓
704	lblk	"			35	"	"	"	"	"	✓

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

Review:

Accutest Laboratories of New England, Inc. **Instrument: GCMS N**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9479	8260 cc	200ug/ml
497	ccgas	
484	bs	
492	bsgas	
417	IS/SS	125ppm

Daily Saved File

Tune file 1:	N83091
Tune file 2:	
Initial Cal:	11/25/13
ID File:	N131125
ICAL Verified:	JSB
Sequence verified:	KK

Date: 12/10/13

Batch ID: MSN3101

Analysts JSB

Signature: JSB

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
N83090	cc3086-50	2/2	NA	NA	15	NA	5mL	NA	1:1	NA	pres.
091	cc3086-50				16						unpres. ✓✓
092	bs				17						✓✓
093	bsd				18						✓
094	blk	N/A			19						✓
095	mb				20				1:20 1:1		mc26923-2 JSB 12/10
096	~~mc26923-2~~	1	ms30722	TCL42+	21	GW			1:20	<2	mc26923-3 ✓✓
097	~~mc26923-1~~ JSB 12/10/13	1			22				1:20		-3 ✓✓
098	mc26923-4	1			23				1:20		✓✓
099	mc26877-5	2	ms30726	BTX	24				1:1000		✓✓
100	mc26922-2	2	ms30732	SL	25	WTB			1:1		✓✓
101	-1	3			26	WEB					✓✓
102	-10	2			27	WEB					✓✓
103	mc26936-3	1	ms30723	MCP	28	GW					✓✓
104	mc26877-1	1	ms30726	BTX	29				1:10		✓✓
105	-6	1			30				1:2000		✓✓
106	mc26922-3	3	ms30732	SL	31				1:1		✓✓
107	-4	3			32						✓✓
108	-5	3			33						✓✓
109	-6	1			34						✓✓
110	-7	3			35						✓✓
111	-8	2			36						✓✓
112	-9	3			37						✓✓
113	mc26877-7	2	ms30726	BTX	38				1:2000		✓✓
114	-8	1			39				1:5000		✓✓
115	mc26922-3ms	1,2,4	ms30732	SL	40				1:1		✓✓
116	-3msd				41						✓✓

JSB 12/10/13

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review:

ACCUTEST LABORATORIES MC26923

Accutest Laboratories of New England, Inc. **Instrument: GCMS U**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9 413	8260 CC	200ug/mL
414	〃	〃
420	BS	
421	〃	〃
418	IS	25ug/mL
372	SS	200ug/mL

Daily Saved File

Tune file 1:	U15211
Tune file 2:	
Initial Cal:	10/17/13
ID File:	U130174.3
ICAL Verified:	JSB
Sequence verified:	MS

Date: 10/17/18

Batch ID: MSU756

Analysts JSB

Signature: JSB

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
U15206	ccTest	NA	NA	NA	1	NA	5mL	NA	1:1	NA	✓
207	0.5 Test				1						✓
208	400 Test				2						✓
209	lblk				3						✓
210	lblk				2						✓
211	bfb				3						✓
212	ICV756-0.5	2			4						✓✓
213	-1				5						✓✓
214	-2				6						✓✓
215	-5				7						✓✓
216	-10				8						✓✓
217	-25				9						✓✓
218	ICC756-50				10						✓✓
219	ICV756-100				11						✓✓
220	-200				12						✓✓
221	-400				13						✓✓
222	lblk	NA			14						✓✓
223	lblk				15						✓✓
224	ICV756-50				16						✓✓
225	ICV756-50				17						✓✓

10/18/13

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review:_____

ACCUTEST LABORATORIES MC26923

Accutest Laboratories of New England, Inc. **Instrument: GCMS U**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS 9491	8240 ICIS/SS	25ug/ml
9478	cal	200ug/ml
9497	calgas	
9484	bs	
9492	bsgas	

Daily Saved File

Tune file 1:	U16653
Tune file 2:	—
Initial Cal:	10-17-13
ID File:	U131017.wm
ICAL Verified:	JSB
Sequence verified:	

Date: 12-9-13

Batch ID: MSU797

Analysts GK

Signature:

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
U16651	blk	—	MS30722	8200	1	W	5ml	NA	1X	NA	✓
52	Primer	2,3			2						✓
53	BFB1cc750-50 BS	1,1			3						✓ 9:02AM
54	BSD	↓			4						✓
55	blk	—			5						✓
56	MB	↓		↓	6					↓	✓
57	MC26772-5	A 1		TCL	1					<2	✓
58	-4	↓			2						✓
59	-3	↓ 5			3						✓
60	-3MS	2,1,4			4						✓
61	-3MSD	↓		↓	5						✓
62	MC26779-2	1		PCE	6						✓ clo ok sublist
63	↓ -1	2	↓	↓	7						✓
64	MC26824-1	3		STD+MTBE	8						✓
65	↓ -2	A+B 3,7		↓	9					↓	✓
66	MC26916-11	4	↓	↓	10				2X	>2	✓ High SPD
67	MC26711-4	1	MS30723	2CEVE	11				1X	<2	✓
68	↓ -3	2	↓	↓	12						✓
69	MC26923-1	1	MS30722	TCL+2	13						✓
70	2	2			14						2ox CIS1,2DCE
71	3	↓			15						20X CIS1,2DCE
72	4	↓			16						20X CIS1,2DCE
73	5	1			17						✓
74	6	↓			18						✓
75	7	3	↓	↓	19						✓
76	MC26711-1	1	MS30723	2CEVE	20						✓ reporting 2CEVE only
77	↓ -2	↓	↓	↓	21						✓ ↓
78	MC26861-4	4	MS30722	STD+MTBE	22					↓	1X hits c/o
79	blk	—	—	—	23					—	✓ 8:19pm
80	↓	↓	↓	↓	24						✓
81	↓	↓	↓	↓	25	↓	↓	↓	↓	↓	✓ clean

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review:

ACCUTEST LABORATORIES MC26923

New England ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16550
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:30	MA16550-STD1	1		STD1
11:44	MA16550-STD2	1		STD2
11:49	MA16550-STD3	1		STD3
11:54	MA16550-STD4	1		STD4
11:59	MA16550-ICV1	1		
12:06	MA16550-ICB1	1		
12:11	MA16550-CCV1	1		
12:17	MA16550-CCB1	1		
12:22	MA16550-CRI1	1		
12:29	MA16550-CRI2	1		
12:34	MA16550-CRI3	1		
12:39	MA16550-ICSA1	1		
12:44	MA16550-ICSAB1	1		
12:49	MP22226-B1	1		
12:53	MP22226-MB1	1		
12:58	MP22226-S1	1		NA OVER RANGE; MS OUT FOR SE, NEED PS.
13:03	MP22226-S2	1		NA OVER RANGE.
13:08	MP22226-SD1	5		
13:13	MA16550-CCV2	1		
13:18	MA16550-CCB2	1		
13:23	JB53625-10	1		(sample used for QC only; not part of login MC26923)
13:28	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:43	MC26923-8	5		FE OVER RANGE.
13:49	MC26923-8	20		
---------->	Last reportable sample/prep for job MC26923			
13:54	ZZZZZZ	5		
13:58	ZZZZZZ	5		
14:03	ZZZZZZ	50		DNR: HIGH RSD, SEE RERUN.
14:08	ZZZZZZ	50		
14:13	MA16550-CCV3	1		
14:18	MA16550-CCB3	1		
14:23	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16550
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:28	ZZZZZZ	1		
14:33	ZZZZZZ	1		
14:38	ZZZZZZ	50		
14:43	ZZZZZZ	50		
14:48	ZZZZZZ	5		
14:52	ZZZZZZ	1		
14:57	ZZZZZZ	1		
15:02	ZZZZZZ	1		
15:07	ZZZZZZ	50		
15:12	ZZZZZZ	1		DNR: HIGH RSD, SEE RERUN FOR CCV.
15:18	MA16550-CCV4	1		
15:26	MA16550-CCB4	1		
15:31	MA16550-CRI4	1		
15:36	MA16550-CRI5	1		
15:41	MA16550-CRI6	1		
15:46	MA16550-ICSA2	1		
15:51	MA16550-ICSAB2	1		
15:56	MA16550-CCV5	1		
16:00	MA16550-CCB5	1		

----------> Last reportable CCB for job MC26923
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16550
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
11:30	MA16550-STD1	4215 R	109320 R	8202 R
11:44	MA16550-STD2	4189	108730	8163
11:49	MA16550-STD3			8230
11:54	MA16550-STD4	4224	109530	8256
11:59	MA16550-ICV1	4151	108630	8231
12:06	MA16550-ICB1	4176	108940	8239
12:11	MA16550-CCV1	4184	110570	8313
12:17	MA16550-CCB1	4166	109200	8218
12:22	MA16550-CRI1	4164	108160	8096
12:29	MA16550-CRI2	4216	109660	8180
12:34	MA16550-CRI3	4197	109530	8151
12:39	MA16550-ICSA1	3855	102820	8013
12:44	MA16550-ICSAB1	3797	101630	7960
12:49	MP22226-B1	4084	108360	8174
12:53	MP22226-MB1	4115	110060	8299
12:58	MP22226-S1	3930	104560	8105
13:03	MP22226-S2	3887	102460	8078
13:08	MP22226-SD1	4122	108790	8192
13:13	MA16550-CCV2	4151	109810	8212
13:18	MA16550-CCB2	4155	109560	8194
13:23	JB53625-10	3971	105980	8169
13:28	ZZZZZZ	3815	99321	8044
13:33	ZZZZZZ	3821	100010	8064
13:38	ZZZZZZ	3979	999999 !a	8301
13:43	MC26923-8	4413	119510	9181
13:49	MC26923-8	4266	114870	8601
13:54	ZZZZZZ	4078	107790	8134
13:58	ZZZZZZ	4123	109340	8292
14:03	ZZZZZZ	4132	109610	8764
14:08	ZZZZZZ	4165	109060	8261
14:13	MA16550-CCV3	4200	110330	8303
14:18	MA16550-CCB3	4169	109850	8249
14:23	ZZZZZZ	4096	107880	8660

INTERNAL STANDARD SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16550
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
14:28	ZZZZZZ	4159	111360	8285
14:33	ZZZZZZ	4183	109680	8419
14:38	ZZZZZZ	4139	109560	8258
14:43	ZZZZZZ	4148	109300	8212
14:48	ZZZZZZ	4104	108360	8249
14:52	ZZZZZZ	4054	107970	8349
14:57	ZZZZZZ	3848	103340	8209
15:02	ZZZZZZ	3853	102670	8075
15:07	ZZZZZZ	4135	110490	8207
15:12	ZZZZZZ	4172	108020	8276
15:18	MA16550-CCV4	4189	107560	8207
15:26	MA16550-CCB4	4162	109630	8168
15:31	MA16550-CRI4	4126	109640	8307
15:36	MA16550-CRI5	4126	109800	8263
15:41	MA16550-CRI6	4193	108890	8269
15:46	MA16550-ICSA2	3826	100930	7963
15:51	MA16550-ICSAB2	3824	100770	8021
15:56	MA16550-CCV5	4173	109140	8182
16:00	MA16550-CCB5	4161	108620	8254

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

(a) No element reported by this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16550 Units: ug/l

Time: / Sample ID:			12:06 ICB1		12:17 CCB1		13:18 CCB2		14:18 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	22	anr							
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.2	-0.10	<4.0	-0.10	<4.0	-0.40	<4.0	0.20	<4.0
Barium	50	.53	0.20	<50	-0.20	<50	0.0	<50	0.10	<50
Beryllium	4.0	.15	anr							
Boron	100	.49								
Cadmium	4.0	.04	0.0	<4.0	0.0	<4.0	0.20	<4.0	0.40	<4.0
Calcium	5000	7.4	anr							
Chromium	10	.38	-0.40	<10	-0.20	<10	-0.40	<10	-0.20	<10
Cobalt	50	.15	anr							
Copper	25	.52	anr							
Gold	50	1.4								
Iron	100	5	anr							
Lead	5.0	.95	-0.40	<5.0	-0.80	<5.0	0.50	<5.0	0.20	<5.0
Magnesium	5000	47	anr							
Manganese	15	.04	anr							
Molybdenum	100	.29								
Nickel	40	.25	anr							
Palladium	50	1.9								
Platinum	50	5.9								
Potassium	5000	56	anr							
Selenium	10	1.8	1.6	<10	1.0	<10	1.1	<10	2.5	<10
Silicon	100	1.3								
Silver	5.0	.56	0.30	<5.0	0.20	<5.0	-0.10	<5.0	0.20	<5.0
Sodium	5000	33	anr							
Sulfur	50	3.4								
Strontium	10	.15								
Thallium	5.0	.98	anr							
Tin	100	.35								
Titanium	50	.44								
Tungsten	100	5.6								
Vanadium	10	.58	anr							
Zinc	20	.21	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16550 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	1.8

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16550 Units: ug/l

Time:			15:26		16:00	
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	22	anr			
Antimony	6.0	1.1	anr			
Arsenic	4.0	1.2	-0.10	<4.0	0.30	<4.0
Barium	50	.53	0.20	<50	0.10	<50
Beryllium	4.0	.15	anr			
Boron	100	.49				
Cadmium	4.0	.04	0.10	<4.0	0.30	<4.0
Calcium	5000	7.4	anr			
Chromium	10	.38	-0.20	<10	-0.20	<10
Cobalt	50	.15	anr			
Copper	25	.52	anr			
Gold	50	1.4				
Iron	100	5	anr			
Lead	5.0	.95	-0.30	<5.0	0.40	<5.0
Magnesium	5000	47	anr			
Manganese	15	.04	anr			
Molybdenum	100	.29				
Nickel	40	.25	anr			
Palladium	50	1.9				
Platinum	50	5.9				
Potassium	5000	56	anr			
Selenium	10	1.8	1.2	<10	1.8	<10
Silicon	100	1.3				
Silver	5.0	.56	0.40	<5.0	0.40	<5.0
Sodium	5000	33	anr			
Sulfur	50	3.4				
Strontium	10	.15				
Thallium	5.0	.98	anr			
Tin	100	.35				
Titanium	50	.44				
Tungsten	100	5.6				
Vanadium	10	.58	anr			
Zinc	20	.21	anr			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16550 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	1.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16550 Units: ug/l

Time:		11:59			12:11			13:13	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	3000	3020	100.7	2000	1960	98.0	2000	1970	98.5
Barium	3000	3050	101.7	2000	1920	96.0	2000	1930	96.5
Beryllium	anr								
Boron									
Cadmium	3000	3010	100.3	2000	2000	100.0	2000	2030	101.5
Calcium	anr								
Chromium	3000	3050	101.7	2000	1950	97.5	2000	1980	99.0
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	3000	2890	96.3	2000	1930	96.5	2000	1940	97.0
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	3000	3030	101.0	2000	1990	99.5	2000	2010	100.5
Silicon									
Silver	500	508	101.6	250	248	99.2	250	250	100.0
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16550 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16550 Units: ug/l

Time:		14:13			15:18			15:56	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	2000	1960	98.0	2000	1950	97.5	2000	1970	98.5
Barium	2000	1930	96.5	2000	1930	96.5	2000	1960	98.0
Beryllium	anr								
Boron									
Cadmium	2000	2010	100.5	2000	2000	100.0	2000	2030	101.5
Calcium	anr								
Chromium	2000	1970	98.5	2000	2010	100.5	2000	1990	99.5
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	2000	1930	96.5	2000	1930	96.5	2000	1950	97.5
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	2000	1990	99.5	2000	1990	99.5	2000	2010	100.5
Silicon									
Silver	250	249	99.6	250	255	102.0	250	254	101.6
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16550 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16550 Units: ug/l

Time:			12:22		12:29		12:34		15:31	
Sample ID:	CRI	CRIA	CRI1		CRI2		CRI3		CRI4	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	200								
Antimony	6.0	10								
Arsenic	3.0	10							3.0	100.0
Barium	50	50					49.5	99.0		
Beryllium	1.0	4.0								
Boron	100	100								
Cadmium	4.0	4.0					4.2	105.0		
Calcium	5000	5000								
Chromium	10	10					10.0	100.0		
Cobalt	50	50								
Copper	25	25								
Gold	50	50								
Iron	100	100								
Lead	5.0	10					4.7	94.0		
Magnesium	5000	5000								
Manganese	15	15								
Molybdenum	100	100								
Nickel	40	40								
Palladium	50	50								
Platinum	50	50								
Potassium	5000	5000								
Selenium	10	10					11.0	110.0		
Silicon	100	100								
Silver	5.0	5.0					5.3	106.0		
Sodium	5000	5000								
Sulfur	50	50								
Strontium	10	10								
Thallium	2.0	10	anr							
Tin	100	100								
Titanium	50	50								
Tungsten	100	100								
Vanadium	10	10								
Zinc	20	20								

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16550 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	50

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16550 Units: ug/l

Time:			15:36		15:41	
Sample ID:	CRI	CRIA	CRI5		CRI6	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	200	200				
Antimony	6.0	10				
Arsenic	3.0	10				
Barium	50	50			47.8	95.6
Beryllium	1.0	4.0	anr			
Boron	100	100				
Cadmium	4.0	4.0			4.3	107.5
Calcium	5000	5000				
Chromium	10	10			9.9	99.0
Cobalt	50	50				
Copper	25	25				
Gold	50	50				
Iron	100	100				
Lead	5.0	10			5.0	100.0
Magnesium	5000	5000				
Manganese	15	15				
Molybdenum	100	100				
Nickel	40	40				
Palladium	50	50				
Platinum	50	50				
Potassium	5000	5000				
Selenium	10	10			11.2	112.0
Silicon	100	100				
Silver	5.0	5.0			5.2	104.0
Sodium	5000	5000				
Sulfur	50	50				
Strontium	10	10				
Thallium	2.0	10				
Tin	100	100				
Titanium	50	50				
Tungsten	100	100				
Vanadium	10	10				
Zinc	20	20				

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16550 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	50

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16550 Units: ug/l

Time:			12:39		12:44		15:46		15:51	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	541000	108.2	540000	108.0	541000	108.2	539000	107.8
Antimony		2000	-0.20		2040	102.0	0.30		2020	101.0
Arsenic		2000	-0.60		2110	105.5	0.10		2090	104.5
Barium		500	-0.10		499	99.8	0.10		500	100.0
Beryllium		500	0.10		462	92.4	0.10		459	91.8
Boron		1000	0.80		968	96.8	1.3		958	95.8
Cadmium		1000	-0.10		1020	102.0	0.0		1020	102.0
Calcium	500000	500000	459000	91.8	458000	91.6	460000	92.0	453000	90.6
Chromium		500	-0.10		464	92.8	-0.50		466	93.2
Cobalt		500	-0.10		468	93.6	0.20		463	92.6
Copper		500	1.4		478	95.6	1.0		476	95.2
Gold		500	-5.4		479	95.8	-7.2		475	95.0
Iron	200000	200000	191000	95.5	191000	95.5	192000	96.0	190000	95.0
Lead		1000	0.90		863	86.3	1.5		853	85.3
Magnesium	500000	500000	512000	102.4	510000	102.0	511000	102.2	504000	100.8
Manganese		500	-0.40		470	94.0	-0.40		471	94.2
Molybdenum		1000	-2.3		951	95.1	-2.6		942	94.2
Nickel		1000	-2.3		842	84.2	-2.2		831	83.1
Palladium		500	-4.1		504	100.8	-2.8		502	100.4
Platinum		500	-2.5		485	97.0	-1.2		480	96.0
Potassium			86.9		93.3		108		137	
Selenium		2000	1.0		2020	101.0	0.50		2010	100.5
Silicon		2000	34.6		7520	376.0*	41.3		7450	372.5*
Silver		1000	0.50		1040	104.0	0.10		1050	105.0
Sodium			16.8		28.9		205		187	
Sulfur		500	98.0		580	116.0	96.4		573	114.6
Strontium		1000	-7.8		977	97.7	-7.9		977	97.7
Thallium		2000	-0.20		1790	89.5	-0.90		1770	88.5
Tin		1000	-2.5		930	93.0	-1.7		921	92.1
Titanium		500	5.5		482	96.4	5.8		482	96.4
Tungsten		2000	-8.1		1960	98.0	-12		1970	98.5
Vanadium		500	-0.40		478	95.6	-0.30		479	95.8
Zinc		1000	0.80		909	90.9	0.70		902	90.2

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16550 Units: ug/l

Time: / Sample ID: / Metal								
Zirconium	500	2.2	378	75.6*	2.7	371	74.2*	

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16555
Parameters: Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:17	MA16555-STD1	1		STD1
17:22	MA16555-STD2	1		STD2
17:27	MA16555-STD3	1		STD3
17:32	MA16555-STD4	1		STD4
17:37	MA16555-ICV1	1		
17:47	MA16555-ICB1	1		
17:53	MA16555-CCV1	1		
18:00	MA16555-CCB1	1		
18:05	MA16555-CRI1	1		
18:10	MA16555-CRI2	1		
18:15	MA16555-CRI3	1		
18:20	MA16555-ICSA1	1		
18:25	MA16555-ICSAB1	1		
18:30	MP22226-PS1	1		
18:35	MP22226-S1	10		
18:39	MP22226-S2	10		
18:44	JB53625-10	5		(sample used for QC only; not part of login MC26923)
18:49	MP22226-SD1	25		
---------->	Last reportable sample/prep for job MC26923			
18:54	MA16555-CCV2	1		
18:59	MA16555-CCB2	1		
19:04	ZZZZZZ	1		
19:09	ZZZZZZ	10		
19:14	ZZZZZZ	100		
19:19	ZZZZZZ	100		
19:24	MP22238-B1	1		
19:28	MP22238-MB1	1		
19:33	MP22238-S1	1		ISTDS FAILURE.
19:38	MP22238-S2	1		ISTDS FAILURE.
19:43	MC26860-1	1		(sample used for QC only; not part of login MC26923)
19:48	MP22238-SD1	5		
19:53	MA16555-CCV3	1		
19:58	MA16555-CCB3	1		
20:03	MP22238-B2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16555
Parameters: Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:07	ZZZZZZ	1		
20:12	ZZZZZZ	1		
20:17	ZZZZZZ	1		
20:22	ZZZZZZ	1		
20:27	ZZZZZZ	1		
20:32	ZZZZZZ	1		
20:38	ZZZZZZ	1		
20:43	ZZZZZZ	1		
20:47	ZZZZZZ	1		
20:52	MA16555-CCV4	1		
20:57	MA16555-CCB4	1		
21:02	ZZZZZZ	1		
21:07	ZZZZZZ	1		
21:12	ZZZZZZ	1		
21:17	ZZZZZZ	1		
21:22	ZZZZZZ	1		
21:27	ZZZZZZ	1		
21:32	ZZZZZZ	1		
21:37	ZZZZZZ	1		
21:42	ZZZZZZ	1		
21:47	ZZZZZZ	1		
21:52	MA16555-CCV5	1		
21:56	MA16555-CCB5	1		
22:01	MA16555-CRI4	1		
22:06	MA16555-CRI5	1		
22:11	MA16555-CRI6	1		
22:16	MA16555-ICSA2	1		
22:21	MA16555-ICSAB2	1		
22:26	MA16555-CCV6	1		
22:31	MA16555-CCB6	1		
---------->	Last reportable CCB for job MC26923			
22:36	MA16555-CRIB1	1		
22:41	MP22247-B1	1		
22:45	MP22247-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16555
Parameters: Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:50	MP22247-S1	1		
22:55	MP22247-S2	1		
23:00	MC26553-1R	1		(sample used for QC only; not part of login MC26923)
23:05	MP22247-SD1	5		
23:10	MP22247-LB1	1		
23:15	MP22248-B1	1		
23:20	MP22248-MB1	1		
23:25	MA16555-CCV7	1		
23:29	MA16555-CCB7	1		
23:34	MP22248-S1	1		
23:39	MP22248-S2	1		
23:44	MC27014-2	1		(sample used for QC only; not part of login MC26923)
23:49	MP22248-SD1	5		
23:54	MP22248-LB1	1		
23:59	MP22248-LS1	1		
00:04	ZZZZZZ	1		
00:09	ZZZZZZ	1		
00:14	ZZZZZZ	1		
00:19	ZZZZZZ	1		
00:24	MA16555-CCV8	1		
00:29	MA16555-CCB8	1		
00:34	ZZZZZZ	1		
00:39	ZZZZZZ	1		RINSECONF
00:44	ZZZZZZ	1		RINSECONF
00:49	MA16555-CRIB2	1		
00:54	MA16555-ICSA3	1		
00:59	MA16555-ICSAB3	1		
01:04	MA16555-CCV9	1		
01:08	MA16555-CCB9	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16555
Parameters: Se

Time	Sample Description	Istd#1	Istd#2	Istd#3
17:17	MA16555-STD1	4199 R	109500 R	8314 R
17:22	MA16555-STD2	4163	108060	8504
17:27	MA16555-STD3			8272
17:32	MA16555-STD4	4241	108660	7776
17:37	MA16555-ICV1	4152	108610	8192
17:47	MA16555-ICB1	4174	109260	8212
17:53	MA16555-CCV1	4199	109770	8276
18:00	MA16555-CCB1	4214	109020	8288
18:05	MA16555-CRI1	4164	108760	8245
18:10	MA16555-CRI2	4182	109260	8383
18:15	MA16555-CRI3	4160	108700	8263
18:20	MA16555-ICSA1	3804	101860	7950
18:25	MA16555-ICSAB1	3778	101070	8038
18:30	MP22226-PS1	3972	104070	8197
18:35	MP22226-S1	4169	110360	8298
18:39	MP22226-S2	4165	109620	8337
18:44	JB53625-10	4128	108400	8312
18:49	MP22226-SD1	4143	109170	8357
18:54	MA16555-CCV2	4201	110010	8200
18:59	MA16555-CCB2	4202	109730	8253
19:04	ZZZZZZ	3992	104660	8320
19:09	ZZZZZZ	4166	109370	8349
19:14	ZZZZZZ	4169	110050	8371
19:19	ZZZZZZ	4145	109870	8333
19:24	MP22238-B1	4069	108590	8382
19:28	MP22238-MB1	4114	109730	8379
19:33	MP22238-S1	5152	142450 !	11428 !
19:38	MP22238-S2	5214	140820	11319 !
19:43	MC26860-1	5249	143670 !	11540 !
19:48	MP22238-SD1	4435	116620	8978
19:53	MA16555-CCV3	4211	109360	8234
19:58	MA16555-CCB3	4131	111610	8303
20:03	MP22238-B2	4097	107280	8236

INTERNAL STANDARD SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16555
Parameters: Se

Time	Sample Description	Istd#1	Istd#2	Istd#3
20:07	ZZZZZZ	4420	117470	9664
20:12	ZZZZZZ	3979	104500	8281
20:17	ZZZZZZ	3825	101680	8203
20:22	ZZZZZZ	3844	101780	8215
20:27	ZZZZZZ	3784	103110	7733
20:32	ZZZZZZ	3765	103000	8248
20:38	ZZZZZZ	3898	106180	8447
20:43	ZZZZZZ	3930	106070	8284
20:47	ZZZZZZ	3892	105510	8219
20:52	MA16555-CCV4	4123	111350	8422
20:57	MA16555-CCB4	4138	109710	8323
21:02	ZZZZZZ	3655	97936	7944
21:07	ZZZZZZ	3949	105330	8250
21:12	ZZZZZZ	3985	107380	8480
21:17	ZZZZZZ	3841	103530	8224
21:22	ZZZZZZ	3873	105340	8324
21:27	ZZZZZZ	4082	106700	8383
21:32	ZZZZZZ	3840	101870	8195
21:37	ZZZZZZ	4013	106820	8324
21:42	ZZZZZZ	4031	109350	8356
21:47	ZZZZZZ	3449	93309	7975
21:52	MA16555-CCV5	4106	110170	8378
21:56	MA16555-CCB5	4058	108900	8269
22:01	MA16555-CRI4	4069	108820	8250
22:06	MA16555-CRI5	4070	109310	8340
22:11	MA16555-CRI6	4053	109230	8235
22:16	MA16555-ICSA2	3676	100490	8011
22:21	MA16555-ICSAB2	3693	100270	8057
22:26	MA16555-CCV6	4038	110630	8293
22:31	MA16555-CCB6	4018	108680	8285
22:36	MA16555-CRIB1	4023	105490	8365
22:41	MP22247-B1	3981	108440	8319
22:45	MP22247-MB1	3959	108510	8340

INTERNAL STANDARD SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16555
Parameters: Se

Time	Sample Description	Istd#1	Istd#2	Istd#3
22:50	MP22247-S1	3994	109380	8358
22:55	MP22247-S2	3989	108930	8466
23:00	MC26553-1R	4000	109400	8421
23:05	MP22247-SD1	3987	109480	8325
23:10	MP22247-LB1	3922	107890	8353
23:15	MP22248-B1	3664	101630	8279
23:20	MP22248-MB1	3999	110750	8257
23:25	MA16555-CCV7	4025	112080	8253
23:29	MA16555-CCB7	3978	109870	8275
23:34	MP22248-S1	3445	97792	8156
23:39	MP22248-S2	3476	97566	8231
23:44	MC27014-2	3454	97398	8129
23:49	MP22248-SD1	3826	106170	8119
23:54	MP22248-LB1	3587	98037	8156
23:59	MP22248-LS1	3080	83235	7361
00:04	ZZZZZZ	3076	83344	7480
00:09	ZZZZZZ	3274	94692	7986
00:14	ZZZZZZ	3261	95204	8108
00:19	ZZZZZZ	3370	96194	8050
00:24	MA16555-CCV8	3914	111650	8494
00:29	MA16555-CCB8	3866	109870	8361
00:34	ZZZZZZ	3376	96152	8144
00:39	ZZZZZZ	3887	109950	8366
00:44	ZZZZZZ	3856	109500	8299
00:49	MA16555-CRIB2	3860	108840	8241
00:54	MA16555-ICSA3	3573	100800	7952
00:59	MA16555-ICSAB3	3583	101200	7987
01:04	MA16555-CCV9	3870	109180	8174
01:08	MA16555-CCB9	3900	108670	8198

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16555 Units: ug/l

Time:			17:47		18:00		18:59		19:58	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	22	anr							
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.2	anr							
Barium	50	.53	anr							
Beryllium	4.0	.15	anr							
Boron	100	.49	anr							
Cadmium	4.0	.04	anr							
Calcium	5000	7.4	anr							
Chromium	10	.38	anr							
Cobalt	50	.15	anr							
Copper	25	.52	anr							
Gold	50	1.4								
Iron	100	5	anr							
Lead	5.0	.95	anr							
Magnesium	5000	47	anr							
Manganese	15	.04	anr							
Molybdenum	100	.29								
Nickel	40	.25	anr							
Palladium	50	1.9								
Platinum	50	5.9								
Potassium	5000	56	anr							
Selenium	10	1.8	0.40	<10	1.0	<10	1.0	<10	1.0	<10
Silicon	100	1.3								
Silver	5.0	.56	anr							
Sodium	5000	33	anr							
Sulfur	50	3.4								
Strontium	10	.15								
Thallium	5.0	.98	anr							
Tin	100	.35								
Titanium	50	.44								
Tungsten	100	5.6								
Vanadium	10	.58	anr							
Zinc	20	.21	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16555 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	1.8

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16555 Units: ug/l

Time:			20:57		21:56		22:31	
Sample ID:			CCB4		CCB5		CCB6	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	22	anr					
Antimony	6.0	1.1	anr					
Arsenic	4.0	1.2	anr					
Barium	50	.53	anr					
Beryllium	4.0	.15	anr					
Boron	100	.49	anr					
Cadmium	4.0	.04	anr					
Calcium	5000	7.4	anr					
Chromium	10	.38	anr					
Cobalt	50	.15	anr					
Copper	25	.52	anr					
Gold	50	1.4						
Iron	100	5	anr					
Lead	5.0	.95	anr					
Magnesium	5000	47	anr					
Manganese	15	.04	anr					
Molybdenum	100	.29						
Nickel	40	.25	anr					
Palladium	50	1.9						
Platinum	50	5.9						
Potassium	5000	56	anr					
Selenium	10	1.8	0.40	<10	1.2	<10	1.4	<10
Silicon	100	1.3						
Silver	5.0	.56	anr					
Sodium	5000	33	anr					
Sulfur	50	3.4						
Strontium	10	.15						
Thallium	5.0	.98	anr					
Tin	100	.35						
Titanium	50	.44						
Tungsten	100	5.6						
Vanadium	10	.58	anr					
Zinc	20	.21	anr					

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16555 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	1.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16555 Units: ug/l

Time:		17:37			17:53			18:54	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	3000	2980	99.3	2000	1950	97.5	2000	1960	98.0
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16555 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16555 Units: ug/l

Time:		19:53			20:52			21:52	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	2000	1950	97.5	2000	2020	101.0	2000	2010	100.5
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16555 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16555 Units: ug/l

Time:		22:26	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Boron	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Gold			
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Palladium			
Platinum			
Potassium	anr		
Selenium	2000	2040	102.0
Silicon			
Silver	anr		
Sodium	anr		
Sulfur			
Strontium			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16555 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16555 Units: ug/l

Time:			18:05		18:10		18:15		22:01	
Sample ID:	CRI	CRIA	CRI1		CRI2		CRI3		CRI4	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	200								
Antimony	6.0	10								
Arsenic	3.0	10	anr							
Barium	50	50								
Beryllium	1.0	4.0								
Boron	100	100								
Cadmium	4.0	4.0								
Calcium	5000	5000								
Chromium	10	10								
Cobalt	50	50								
Copper	25	25								
Gold	50	50								
Iron	100	100								
Lead	5.0	10								
Magnesium	5000	5000								
Manganese	15	15								
Molybdenum	100	100								
Nickel	40	40								
Palladium	50	50								
Platinum	50	50								
Potassium	5000	5000								
Selenium	10	10					11.1	111.0		
Silicon	100	100								
Silver	5.0	5.0								
Sodium	5000	5000								
Sulfur	50	50								
Strontium	10	10								
Thallium	2.0	10	anr							
Tin	100	100								
Titanium	50	50								
Tungsten	100	100								
Vanadium	10	10								
Zinc	20	20								

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16555 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	50

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16555 Units: ug/l

Time:			22:06		22:11	
Sample ID:	CRI	CRIA	CRI5		CRI6	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	200	200				
Antimony	6.0	10				
Arsenic	3.0	10				
Barium	50	50				
Beryllium	1.0	4.0	anr			
Boron	100	100				
Cadmium	4.0	4.0				
Calcium	5000	5000				
Chromium	10	10				
Cobalt	50	50				
Copper	25	25				
Gold	50	50				
Iron	100	100				
Lead	5.0	10				
Magnesium	5000	5000				
Manganese	15	15				
Molybdenum	100	100				
Nickel	40	40				
Palladium	50	50				
Platinum	50	50				
Potassium	5000	5000				
Selenium	10	10			10.0	100.0
Silicon	100	100				
Silver	5.0	5.0				
Sodium	5000	5000				
Sulfur	50	50				
Strontium	10	10				
Thallium	2.0	10				
Tin	100	100				
Titanium	50	50				
Tungsten	100	100				
Vanadium	10	10				
Zinc	20	20				

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16555 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	50

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16555 Units: ug/l

Time:			18:20		18:25		22:16		22:21	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	542000	108.4	531000	106.2	523000	104.6	521000	104.2
Antimony		2000	-0.60		2020	101.0	0.50		2060	103.0
Arsenic		2000	0.10		2100	105.0	-0.50		2110	105.5
Barium		500	0.10		526	105.2	0.0		524	104.8
Beryllium		500	0.10		484	96.8	0.0		476	95.2
Boron		1000	1.2		952	95.2	1.2		961	96.1
Cadmium		1000	-0.10		1010	101.0	0.20		1040	104.0
Calcium	500000	500000	459000	91.8	447000	89.4	455000	91.0	445000	89.0
Chromium		500	-0.10		456	91.2	-0.50		458	91.6
Cobalt		500	0.20		461	92.2	0.80		473	94.6
Copper		500	0.80		476	95.2	0.50		463	92.6
Gold		500	-3.3		475	95.0	-4.1		466	93.2
Iron	200000	200000	188000	94.0	186000	93.0	187000	93.5	184000	92.0
Lead		1000	2.0		854	85.4	0.60		859	85.9
Magnesium	500000	500000	510000	102.0	500000	100.0	494000	98.8	487000	97.4
Manganese		500	-0.40		467	93.4	-0.40		463	92.6
Molybdenum		1000	-2.5		942	94.2	-2.8		967	96.7
Nickel		1000	-2.4		832	83.2	-1.9		835	83.5
Palladium		500	-6.9		507	101.4	-1.5		498	99.6
Platinum		500	-0.60		485	97.0	-1.0		483	96.6
Potassium			86.6		50.7		232		227	
Selenium		2000	3.1		2010	100.5	-2.0		2060	103.0
Silicon		2000	35.1		4430	221.5*	35.3		4470	223.5*
Silver		1000	0.20		1030	103.0	-0.20		1040	104.0
Sodium			-4.1		-15		411		419	
Sulfur		500	97.4		504	100.8	96.5		510	102.0
Strontium		1000	-7.9		902	90.2	-7.9		883	88.3
Thallium		2000	-0.70		1770	88.5	-0.10		1770	88.5
Tin		1000	-1.7		925	92.5	-1.4		938	93.8
Titanium		500	5.1		473	94.6	5.5		472	94.4
Tungsten		2000	-12		1940	97.0	-19		1930	96.5
Vanadium		500	-0.30		474	94.8	0.10		474	94.8
Zinc		1000	0.80		892	89.2	1.1		919	91.9

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16555 Units: ug/l

Time: / Sample ID: / Metal								
Zirconium	500	1.7	379	75.8*	2.0	360	72.0*	

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/10/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	22	40		
Antimony	6.0	1.1	1.9		
Arsenic	4.0	1.2	2.9	-0.70	<4.0
Barium	50	.53	.81	0.10	<50
Beryllium	4.0	.15	.25		
Boron	100	.49	1.4		
Cadmium	4.0	.04	.5	0.10	<4.0
Calcium	5000	7.4	38		
Chromium	10	.38	1.4	0.0	<10
Cobalt	50	.15	.4		
Copper	25	.52	7		
Gold	50	1.4	5		
Iron	100	5	20		
Lead	5.0	.95	1.7	-0.70	<5.0
Magnesium	5000	47	59		
Manganese	15	.04	.81		
Molybdenum	100	.29	.77		
Nickel	40	.25	.57		
Palladium	50	1.9	7.6		
Platinum	50	5.9	14		
Potassium	5000	56	160		
Selenium	10	1.8	4.8	0.60	<10
Silicon	100	1.3	45		
Silver	5.0	.56	1	0.10	<5.0
Sodium	5000	33	60		
Sulfur	50	3.4	8		
Strontium	10	.15	.26		
Thallium	5.0	.98	1.9		
Tin	100	.35	1.4		
Titanium	50	.44	1.8		
Tungsten	100	5.6	16		
Vanadium	10	.58	2.8		
Zinc	20	.21	.5		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal			
Zirconium	50	1.8	2.2

Associated samples MP22226: MC26923-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/10/13

Metal	JB53625-10 Original	MS	Spikelot MPICP	% Rec	QC Limits
Aluminum	anr				
Antimony	anr				
Arsenic	4.8	561	500	111.2	75-125
Barium	9.2	2030	2000	101.0	75-125
Beryllium	anr				
Boron					
Cadmium	0.30	547	500	109.3	75-125
Calcium	anr				
Chromium	1.7	528	500	105.3	75-125
Cobalt	anr				
Copper	anr				
Gold					
Iron	anr				
Lead	0.0	986	1000	98.6	75-125
Magnesium	anr				
Manganese	anr				
Molybdenum					
Nickel	anr				
Palladium					
Platinum					
Potassium	anr				
Selenium	1.8	289	500	57.4 (a)	75-125
Silicon					
Silver	0.80	216	200	107.6	75-125
Sodium	anr				
Sulfur					
Strontium					
Thallium	anr				
Tin					
Titanium					
Tungsten					
Vanadium	anr				
Zinc	anr				

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Zirconium

Associated samples MP22226: MC26923-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.Post spike within acceptable range.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/10/13

Metal	JB53625-10 Original	MSD	Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	4.8	569	500	112.8	1.4	20
Barium	9.2	2070	2000	103.0	2.0	20
Beryllium	anr					
Boron						
Cadmium	0.30	552	500	110.3	0.9	20
Calcium	anr					
Chromium	1.7	546	500	108.9	3.4	20
Cobalt	anr					
Copper	anr					
Gold						
Iron	anr					
Lead	0.0	1000	1000	100.0	1.4	20
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Platinum						
Potassium	anr					
Selenium						
Silicon						
Silver	0.80	219	200	109.1	1.4	20
Sodium	anr					
Sulfur						
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Zirconium

Associated samples MP22226: MC26923-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/10/13

Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	547	500	109.4	80-120
Barium	2010	2000	100.5	80-120
Beryllium	anr			
Boron				
Cadmium	533	500	106.6	80-120
Calcium	anr			
Chromium	527	500	105.4	80-120
Cobalt	anr			
Copper	anr			
Gold				
Iron	anr			
Lead	1010	1000	101.0	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Palladium				
Platinum				
Potassium	anr			
Selenium	535	500	107.0	80-120
Silicon				
Silver	209	200	104.5	80-120
Sodium	anr			
Sulfur				
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal
Zirconium

Associated samples MP22226: MC26923-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/10/13

Metal	JB53625-10 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	4.80	0.00	100.0(a)	0-10
Barium	9.20	10.8	17.4 (a)	0-10
Beryllium	anr			
Boron				
Cadmium	0.300	0.800	166.7(a)	0-10
Calcium	anr			
Chromium	1.70	0.00	100.0(a)	0-10
Cobalt	anr			
Copper	anr			
Gold				
Iron	anr			
Lead	0.00	0.00	NC	0-10
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Palladium				
Platinum				
Potassium	anr			
Selenium	1.80	0.00	100.0(a)	0-10
Silicon				
Silver	0.800	0.00	100.0(a)	0-10
Sodium	anr			
Sulfur				
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal
Zirconium

Associated samples MP22226: MC26923-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/10/13

Metal	Sample ml	Final ml	JB53625-10 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Boron										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Gold										
Iron										
Lead										
Magnesium										
Manganese										
Molybdenum										
Nickel										
Palladium										
Platinum										
Potassium										
Selenium	10	10.1	1.8		22.4	.1	2	19.80198	113.1	80-120
Silicon										
Silver										
Sodium										
Sulfur										
Strontium										
Thallium										
Tin										
Titanium										
Tungsten										
Vanadium										
Zinc										

POST DIGESTATE SPIKE SUMMARY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal
Zirconium

Associated samples MP22226: MC26923-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

New England ACCUTEST LABORATORIES

Metals Analysis

Raw Data

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 12/12/2013 11:30:35 Type: Cal
Method: Accutest -SS1 with S(v269) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0021**	**-.0014**	**-.0001**	**.0000**	**.0008**	**.0132**	**.0003**	**.0023**	**.0016**
Stddev	.0001	.0000	.0000	.0000	.0001	.0002	.0003	.0002	.0003
%RSD	4.233	2.332	26.65	22.55	7.936	1.191	89.85	8.306	19.59
#1	-.0020	-.0013	-.0001	.0000	.0007	.0131	.0005	.0022	.0014
#2	-.0022	-.0014	-.0001	.0000	.0008	.0133	.0001	.0024	.0019

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0003**	**.0000**	**.0007**	**.0006**	**-.0028**	**-.0002**	**.0003**	**-.0003**	**.0206**
Stddev	.0000	.0000	.0001	.0000	.0000	.0004	.0001	.0001	.0003
%RSD	1.837	20.64	14.54	3.792	1.385	193.9	27.63	15.44	1.675
#1	-.0003	.0000	.0008	.0006	-.0028	.0001	.0002	-.0003	.0208
#2	-.0003	.0001	.0006	.0006	-.0028	-.0006	.0003	-.0004	.0203

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0004**	**-.0002**	**.0003**	**.0000**	**-.0005**	**.0004**	**.0002**	**.0070**	**-.0003**
Stddev	.0000	.0001	.0000	.0000	.0000	.0000	.0001	.0000	.0000
%RSD	6.579	27.01	13.23	36.45	3.335	8.679	28.79	.5778	5.905
#1	-.0005	-.0003	.0003	.0000	-.0005	.0004	.0002	.0071	-.0003
#2	-.0004	-.0002	.0002	.0001	-.0005	.0003	.0001	.0070	-.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0058**	**-.0003**	**-.0008**	**.0001**	**.0000**	**-.0006**	**.0105**
Stddev	.0001	.0000	.0001	.0000	.0000	.0001	.0001
%RSD	1.164	4.427	10.93	30.71	10.99	16.48	.6422
#1	.0058	-.0003	-.0008	.0001	.0000	-.0007	.0105
#2	.0057	-.0003	-.0009	.0001	.0000	-.0005	.0104

◀ Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 12/12/2013 11:30:35 Type: Cal
Method: Accutest -SS1 with S(v269) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4214.5**	**109320.**	**8202.3**
Stddev	7.2	42.	95.5
%RSD	.17183	.03879	1.1638
#1	4219.6	109350.	8134.8
#2	4209.4	109290.	8269.8

◀ Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 12/12/2013 11:44:26 Type: Cal
Method: Accutest -SS1 with S(v269) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1269**	**.5588**	**2.188**	**15.40**	**18.46**	**10.59**	**8.541**	**.5108**	**1.625**
Stddev	.0000	.0005	.003	.40	.63	.00	.008	.0013	.017
%RSD	.0188	.0965	.1336	2.589	3.407	.0411	.0887	.2615	1.035
#1	.1269	.5584	2.186	15.68	18.90	10.59	8.536	.5099	1.637
#2	.1269	.5592	2.190	15.11	18.01	10.59	8.546	.5118	1.613

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.579**	**4.430**	**5.846**	**1.417**	**.7413**	**.3905**	**.8028**	**8.949**
Stddev	.017	.015	.009	.002	.0006	.0001	.0014	.006
%RSD	.4677	.3263	.1563	.1560	.0789	.0166	.1732	.0674
#1	3.567	4.419	5.840	1.416	.7409	.3905	.8018	8.944
#2	3.591	4.440	5.853	1.419	.7417	.3906	.8038	8.953

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4188.5**	**108730.**	**8163.2**
Stddev	4.1	19.	280.5
%RSD	.09835	.01767	3.4359
#1	4191.4	108720.	7964.8
#2	4185.6	108750.	8361.5

◀ Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 12/12/2013 11:49:19 Type: Cal
Method: Accutest -SS1 with S(v269) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.031**	**2.257**	**1.208**	**1.040**	**.1678**	**3.662**
Stddev	.004	.004	.002	.003	.0007	.005
%RSD	.3898	.1977	.1354	.2827	.4400	.1375
#1	1.034	2.260	1.209	1.042	.1672	3.666
#2	1.029	2.254	1.207	1.038	.1683	3.659

Int. Std.	Y_3710
Units	Cts/S
Avg	**8230.2**
Stddev	20.8
%RSD	.25319
#1	8244.9
#2	8215.4

Zoom In Zoom Out

Sample Name: Std4 Acquired: 12/12/2013 11:54:14 Type: Cal
Method: Accutest -SS1 with S(v269) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	S_1820	Si2124	Sn1899	Sr4077	Ti3349	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1509**	**.3187**	**.0583**	**.1493**	**1.379**	**1.722**	**29.90**	**1.344**	**.6091**
Stddev	.0002	.0003	.0001	.0001	.004	.004	.04	.002	.0006
%RSD	.1393	.0856	.1943	.0513	.2633	.2243	.1414	.1201	.1054
#1	.1511	.3189	.0584	.1494	1.377	1.719	29.87	1.343	.6095
#2	.1508	.3185	.0582	.1493	1.382	1.725	29.93	1.345	.6086

Elem	W_2397	Zr3391
Units	Cts/S	Cts/S
Avg	**.0542**	**1.237**
Stddev	.0001	.002
%RSD	.1991	.1348
#1	.0541	1.238
#2	.0542	1.236

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4223.5**	**109530.**	**8255.7**
Stddev	5.0	512.	8.8
%RSD	.11893	.46755	.10625
#1	4227.0	109170.	8261.9
#2	4219.9	109890.	8249.5

Zoom In Zoom Out

Sample Name: ICV Acquired: 12/12/2013 11:59:06 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.5081**	**16.15**	**3.022**	**2.946**	**2.995**	**3.046**	**2.969**	**18.21**	**3.005**
Stddev	.0059	.11	.017	.023	.012	.000	.027	.11	.002
%RSD	1.158	.6529	.5615	.7804	.3939	.0145	.9108	.6131	.0483
#1	.5123	16.23	3.034	2.962	3.003	3.046	2.988	18.29	3.006
#2	.5040	16.08	3.010	2.930	2.986	3.046	2.950	18.13	3.004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**3.001**	**3.045**	**2.885**	**18.52**	**15.42**	**18.42**	**3.024**	**2.897**	**15.59**
Stddev	.007	.033	.027	.19	.04	.30	.031	.002	.09
%RSD	.2348	1.089	.9403	1.032	.2657	1.645	1.016	.0680	.5692
#1	3.006	3.068	2.904	18.66	15.45	18.63	3.046	2.898	15.65
#2	2.996	3.021	2.866	18.39	15.39	18.20	3.002	2.895	15.53

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**2.843**	**2.889**	**2.987**	**2.956**	**3.008**	**2.971**	**3.026**	**2.992**	**3.146**
Stddev	.017	.021	.025	.038	.011	.012	.008	.012	.013
%RSD	.5987	.7139	.8316	1.281	.3734	.3974	.2620	.3905	.3995
#1	2.855	2.904	3.004	2.983	3.016	2.980	3.032	3.000	3.155
#2	2.831	2.875	2.969	2.929	3.000	2.963	3.021	2.984	3.137

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**3.048**	**3.012**	**2.937**	**2.951**	**3.064**	**2.959**	**3.120**
Stddev	.016	.034	.016	.029	.029	.006	.024
%RSD	.5072	1.117	.5350	.9863	.9316	.1963	.7597
#1	3.059	3.035	2.948	2.972	3.084	2.964	3.136
#2	3.037	2.988	2.925	2.931	3.044	2.955	3.103

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4150.6**	**108630.**	**8230.8**
Stddev	12.7	803.	60.1
%RSD	.30668	.73953	.73002
#1	4141.6	108060.	8188.4
#2	4159.6	109200.	8273.3

Zoom In Zoom Out

Sample Name: ICB Acquired: 12/12/2013 12:06:00 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**-.0102**	**-.0001**	**.0019**	**.0011**	**.0002**	**.0001**	**.0046**	**.0000**
Stddev	.0004	.0010	.0001	.0003	.0001	.0001	.0000	.0013	.0000
%RSD	137.1	10.03	207.9	15.56	6.663	51.76	81.01	28.19	3.114
#1	.0000	-.0095	-.0001	.0017	.0012	.0001	.0000	.0055	.0000
#2	.0005	-.0109	.0000	.0021	.0011	.0003	.0001	.0037	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**-.0004**	**-.0002**	**-.0017**	**.0226**	**-.0015**	**-.0001**	**.0025**	**.0089**
Stddev	.0000	.0001	.0003	.0040	.0108	.0146	.0000	.0004	.0019
%RSD	45.74	30.40	167.8	231.6	47.65	952.6	51.61	17.43	21.55
#1	-.0001	-.0005	-.0004	.0011	.0302	-.0118	.0000	.0028	.0102
#2	-.0001	-.0003	.0000	-.0046	.0150	.0088	-.0001	.0022	.0075

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0000**	**-.0004**	**.0002**	**.0059**	**-.0025**	**.0001**	**.0016**	**-.0001**	**.0005**
Stddev	.0001	.0008	.0017	.0014	.0015	.0002	.0001	.0003	.0002
%RSD	365.1	199.7	736.1	24.42	59.68	305.5	6.545	440.4	33.29
#1	.0000	.0002	-.0009	.0069	-.0014	.0002	.0016	.0001	.0006
#2	.0001	-.0009	.0014	.0049	-.0035	-.0001	.0015	-.0003	.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0003**	**.0003**	**.0010**	**.0001**	**.0116**	**.0002**	**.0012**
Stddev	.0000	.0000	.0001	.0001	.0042	.0000	.0002
%RSD	17.55	15.70	11.19	125.9	36.11	19.36	15.18
#1	.0003	.0003	.0009	.0000	.0146	.0002	.0013
#2	.0002	.0002	.0011	.0002	.0087	.0002	.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4175.6**	**108940.**	**8239.3**
Stddev	11.1	111.	66.0
%RSD	.26645	.10150	.80098
#1	4167.7	108870.	8285.9
#2	4183.4	109020.	8192.6

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 12:11:14 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2476**	**9.941**	**1.957**	**-.0011**	**1.954**	**1.920**	**1.943**	**9.957**	**1.998**
Stddev	.0008	.004	.005	.0000	.002	.003	.006	.003	.005
%RSD	.3038	.0457	.2409	1.934	.0816	.1385	.3197	.0299	.2460
#1	.2471	9.944	1.960	-.0011	1.952	1.922	1.948	9.959	2.001
#2	.2482	9.938	1.954	-.0010	1.955	1.918	1.939	9.955	1.994

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.062**	**1.951**	**1.889**	**10.04**	**9.913**	**9.826**	**1.973**	**1.979**	**9.978**
Stddev	.007	.004	.008	.04	.006	.016	.003	.003	.044
%RSD	.3491	.1795	.4187	.3893	.0599	.1642	.1249	.1372	.4460
#1	2.067	1.954	1.894	10.07	9.909	9.815	1.975	1.981	10.01
#2	2.057	1.949	1.883	10.01	9.918	9.838	1.971	1.977	9.946

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.930**	**1.927**	**.0015**	**-.0115**	**-.0032**	**1.973**	**1.986**	**-.0106**	**1.965**
Stddev	.003	.002	.0001	.0037	.0001	.002	.008	.0001	.005
%RSD	.1753	.0930	4.157	32.24	3.932	.1195	.4060	.5954	.2534
#1	1.933	1.928	.0015	-.0089	-.0033	1.972	1.992	-.0106	1.968
#2	1.928	1.925	.0016	-.0141	-.0031	1.975	1.980	-.0105	1.961

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.974**	**1.947**	**1.945**	**1.942**	**.0022**	**1.981**	**.0363**
Stddev	.001	.004	.000	.003	.0031	.011	.0071
%RSD	.0365	.2291	.0137	.1398	142.7	.5686	19.54
#1	1.975	1.950	1.945	1.944	.0000	1.989	.0414
#2	1.974	1.944	1.945	1.940	.0044	1.973	.0313

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4184.0**	**110570.**	**8312.9**
Stddev	6.6	111.	13.5
%RSD	.15738	.10010	.16210
#1	4179.4	110490.	8322.4
#2	4188.7	110650.	8303.4

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 12:17:50 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**.0095**	**-.0001**	**.0003**	**.0011**	**-.0002**	**.0001**	**.0044**	**.0000**
Stddev	.0001	.0168	.0001	.0008	.0003	.0001	.0001	.0009	.0001
%RSD	50.15	176.6	79.15	322.7	28.69	45.62	56.83	21.15	474.2
#1	.0002	-.0024	-.0002	-.0003	.0013	-.0003	.0001	.0051	.0000
#2	.0003	.0214	-.0001	.0009	.0009	-.0001	.0001	.0038	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**-.0002**	**-.0002**	**.0000**	**.0257**	**.0428**	**.0000**	**.0019**	**-.0043**
Stddev	.0001	.0001	.0001	.002	.0061	.0512	.000	.0002	.0040
%RSD	147.5	65.65	53.71	5557.	23.79	119.5	157.7	9.113	92.99
#1	.0000	-.0003	-.0003	-.0012	.0301	.0066	-.0001	.0020	-.0071
#2	.0002	-.0001	-.0001	.0011	.0214	.0790	.0000	.0018	-.0015

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**-.0008**	**-.0007**	**.0039**	**-.0009**	**.0007**	**.0010**	**-.0002**	**.0006**
Stddev	.0002	.0008	.0002	.0010	.0004	.0003	.0010	.0001	.0000
%RSD	227.7	95.66	28.81	26.13	39.49	46.43	94.86	50.12	.6039
#1	.0000	-.0003	-.0009	.0032	-.0012	.0005	.0003	-.0002	.0005
#2	.0002	-.0013	-.0006	.0046	-.0007	.0009	.0017	-.0003	.0006

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0002**	**.0008**	**-.0004**	**.0021**	**.0000**	**.0003**
Stddev	.0000	.0004	.0001	.0001	.0002	.0001	.0004
%RSD	91.38	186.8	11.09	26.00	10.32	709.1	137.0
#1	.0001	-.0001	.0008	-.0005	.0019	.0000	.0006
#2	.0000	.0004	.0007	-.0004	.0022	.0000	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4166.4**	**109200.**	**8218.0**
Stddev	33.9	136.	18.3
%RSD	.81358	.12454	.22324
#1	4142.5	109100.	8205.0
#2	4190.4	109300.	8231.0

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 12:22:47 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0001**	**.0021**	**.0026**	**.0005**	**.0008**	**.0002**	**.0000**	**.0043**	**.0000**
Stddev	.0001	.0018	.0000	.0006	.0000	.0002	.0001	.0016	.0000
%RSD	250.0	86.20	1.252	110.6	6.083	107.7	139.7	35.76	280.4
#1	.0000	.0008	.0026	.0001	.0007	.0000	.0001	.0032	.0000
#2	.0002	.0034	.0025	.0009	.0008	.0003	.0000	.0054	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0060**	**-.0004**	**-.0004**	**.0193**	**.0227**	**-.0001**	**.0014**	**.0098**
Stddev	.0001	.0003	.0000	.0008	.0019	.0286	.0000	.0001	.0089
%RSD	258.5	4.629	13.07	182.1	9.931	126.2	2.136	9.592	90.57
#1	.0001	.0062	-.0003	-.0010	.0206	.0430	-.0001	.0015	.0035
#2	.0000	.0058	-.0004	.0001	.0179	.0024	-.0001	.0013	.0161

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0032**	**.0035**	**.0015**	**-.0006**	**-.0026**	**.0000**	**.0007**	**.0017**	**.0004**
Stddev	.0001	.0004	.0013	.0039	.0006	.000	.0005	.0001	.0002
%RSD	3.221	11.26	89.19	660.9	21.94	408.7	83.40	7.443	50.68
#1	.0031	.0032	.0024	.0022	-.0030	-.0002	.0010	.0017	.0005
#2	.0033	.0038	.0005	-.0033	-.0022	.0001	.0003	.0018	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0000**	**.0019**	**-.0003**	**.0016**	**.0003**	**.0005**
Stddev	.0001	.0000	.0006	.0003	.0034	.0000	.0002
%RSD	234.8	53.34	29.54	78.65	212.2	10.22	48.54
#1	.0001	.0000	.0023	-.0001	.0040	.0002	.0003
#2	.0000	.0000	.0015	-.0005	-.0008	.0003	.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4163.9**	**108160.**	**8095.9**
Stddev	9.9	78.	96.0
%RSD	.23742	.07191	1.1863
#1	4170.9	108110.	8163.8
#2	4156.9	108220.	8028.0

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 12:29:45 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0024**	**.0046**	**.0002**	**-.0003**	**.0007**	**.0203**	**.0010**	**.0056**	**.0000**
Stddev	.0003	.0073	.0001	.0002	.0001	.0001	.0000	.0002	.000
%RSD	10.57	157.9	58.14	56.53	17.79	.2577	3.374	2.825	527.2
#1	.0025	.0098	.0002	-.0002	.0008	.0204	.0010	.0057	-.0001
#2	.0022	-.0005	.0001	-.0005	.0006	.0203	.0011	.0055	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**-.0004**	**.0097**	**.0005**	**.0120**	**.0069**	**.0000**	**.0005**	**-.0131**
Stddev	.000	.0003	.0004	.0002	.0032	.0211	.000	.0001	.0089
%RSD	824.7	79.04	4.279	36.78	26.76	305.0	74.56	22.55	67.92
#1	-.0001	-.0002	.0100	.0006	.0098	-.0080	.0000	.0004	-.0194
#2	.0000	-.0006	.0094	.0004	.0143	.0218	-.0001	.0006	-.0068

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0104**	**.0001**	**.0000**	**.0013**	**-.0022**	**.0006**	**.0009**	**.0054**	**.0006**
Stddev	.0003	.0002	.001	.0001	.0013	.0003	.0002	.0007	.0005
%RSD	3.218	196.7	53020.	10.60	62.16	48.88	17.79	13.13	85.94
#1	.0106	.0002	-.0006	.0013	-.0012	.0008	.0010	.0060	.0010
#2	.0102	.0000	.0006	.0012	-.0031	.0004	.0008	.0049	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0001**	**.0001**	**-.0003**	**.0041**	**.0011**	**.0000**
Stddev	.000	.0000	.0005	.0001	.0011	.0001	.000
%RSD	1528.	4.604	471.7	24.10	27.15	5.725	1664.
#1	.0001	.0001	-.0003	-.0004	.0034	.0010	-.0003
#2	-.0001	.0001	.0005	-.0003	.0049	.0011	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4216.3**	**109660.**	**8179.6**
Stddev	22.1	536.	10.2
%RSD	.52495	.48909	.12468
#1	4200.7	110040.	8186.8
#2	4232.0	109280.	8172.4

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 12:34:41 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0053**	**.2106**	**.0034**	**-.0008**	**.1005**	**.0495**	**.0041**	**5.063**	**.0042**
Stddev	.0001	.0065	.0001	.0011	.0001	.0004	.0000	.021	.0001
%RSD	1.559	3.095	2.677	150.4	.1314	.7350	1.029	.4075	3.064
#1	.0053	.2152	.0035	-.0016	.1006	.0498	.0041	5.078	.0041
#2	.0054	.2060	.0033	.0000	.1004	.0493	.0040	5.049	.0043

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0525**	**.0100**	**.0238**	**.0996**	**5.049**	**5.103**	**.0155**	**.1017**	**5.080**
Stddev	.0000	.0001	.0002	.0007	.017	.046	.0000	.0005	.033
%RSD	.0216	.6430	.9390	.7210	.3304	.8985	.2208	.4709	.6513
#1	.0525	.0100	.0239	.0991	5.037	5.136	.0155	.1014	5.103
#2	.0525	.0100	.0236	.1002	5.060	5.071	.0155	.1021	5.057

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0406**	**.0047**	**.0007**	**.0006**	**-.0025**	**.0065**	**.0110**	**.0170**	**.0997**
Stddev	.0002	.0003	.0007	.0016	.0003	.0001	.0004	.0004	.0002
%RSD	.5087	5.437	97.33	257.5	12.04	1.502	3.582	2.448	.2094
#1	.0407	.0045	.0002	-.0005	-.0023	.0064	.0112	.0168	.0998
#2	.0405	.0049	.0012	.0018	-.0027	.0065	.0107	.0173	.0995

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0100**	**.0506**	**.0052**	**.0097**	**.0021**	**.0211**	**.0005**
Stddev	.0000	.0003	.0001	.0002	.0019	.0000	.0001
%RSD	.0974	.5498	1.118	1.965	91.21	.1101	23.98
#1	.0100	.0508	.0052	.0098	.0007	.0211	.0006
#2	.0100	.0504	.0053	.0095	.0034	.0211	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4196.6**	**109530.**	**8151.1**
Stddev	2.8	445.	8.4
%RSD	.06650	.40666	.10343
#1	4198.6	109210.	8157.0
#2	4194.6	109840.	8145.1

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/12/2013 12:39:32 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0005	540.8	-.0006	-.0054	.0008	-.0001	.0001	458.9	-.0001
Stddev	.0003	3.5	.0007	.0013	.0001	.0003	.0000	1.9	.0000
%RSD	69.08	.6506	131.8	23.96	14.98	238.1	40.88	.4118	38.02
#1	.0002	538.3	.0000	-.0045	.0007	-.0004	.0001	460.2	.0000
#2	.0007	543.3	-.0011	-.0063	.0009	.0001	.0001	457.6	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0001	-.0001	.0014	190.6	.0869	511.6	-.0004	-.0023	.0168
Stddev	.0002	.0001	.0002	1.3	.0334	3.9	.0000	.0001	.0105
%RSD	371.8	110.6	11.15	.6877	38.47	.7615	4.582	5.329	62.09
#1	.0001	-.0002	.0013	189.7	.0633	508.8	-.0004	-.0022	.0242
#2	-.0002	.0000	.0015	191.6	.1105	514.3	-.0005	-.0024	.0094

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0023	.0009	-.0041	-.0025	.0980	-.0002	.0010	.0346	-.0025
Stddev	.0001	.0010	.0023	.0029	.0003	.0004	.0003	.0000	.0001
%RSD	2.693	115.7	56.14	113.6	.3045	177.7	35.27	.0229	5.307
#1	-.0024	.0002	-.0057	-.0005	.0982	.0001	.0012	.0346	-.0025
#2	-.0023	.0016	-.0025	-.0045	.0978	-.0005	.0007	.0346	-.0024

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0078	.0055	-.0002	-.0004	-.0081	.0008	.0022
Stddev	.0000	.0002	.0001	.0001	.0004	.0000	.0005
%RSD	.5781	2.893	38.43	24.29	4.690	5.220	22.05
#1	-.0079	.0054	-.0003	-.0003	-.0078	.0008	.0025
#2	-.0078	.0056	-.0002	-.0004	-.0084	.0007	.0018

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3854.5	102820.	8013.1
Stddev	6.4	572.	1.8
%RSD	.16493	.55638	.02243
#1	3859.0	102410.	8014.4
#2	3850.0	103220.	8011.8

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/12/2013 12:44:25 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	1.042	540.4	2.113	.4791	.9683	.4992	.4617	458.4	1.024
Stddev	.003	2.2	.003	.0016	.0014	.0008	.0030	4.1	.001
%RSD	.3189	.4122	.1222	.3328	.1493	.1505	.6475	.9032	.0992
#1	1.040	541.9	2.111	.4779	.9673	.4997	.4638	461.3	1.024
#2	1.045	538.8	2.115	.4802	.9693	.4986	.4595	455.5	1.025

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.4677	.4643	.4776	191.3	.0933	509.8	.4699	.9508	.0289
Stddev	.0007	.0057	.0008	1.6	.0032	2.9	.0057	.0031	.0067
%RSD	.1391	1.224	.1582	.8328	3.412	.5732	1.223	.3221	23.34
#1	.4672	.4603	.4781	192.4	.0956	511.9	.4658	.9486	.0241
#2	.4681	.4683	.4771	190.1	.0911	507.8	.4739	.9529	.0337

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.8416	.8629	.5040	.4845	.5804	2.042	2.022	7.520	.9301
Stddev	.0004	.0027	.0017	.0048	.0043	.000	.001	.007	.0008
%RSD	.0506	.3110	.3429	.9827	.7451	.0167	.0313	.0917	.0914
#1	.8413	.8610	.5052	.4811	.5773	2.042	2.023	7.516	.9295
#2	.8419	.8648	.5028	.4879	.5834	2.041	2.022	7.525	.9307

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.9774	.4815	1.789	.4780	1.962	.9093	.3776
Stddev	.0036	.0038	.001	.0042	.020	.0001	.0064
%RSD	.3662	.7839	.0301	.8864	1.014	.0099	1.698
#1	.9799	.4789	1.788	.4750	1.948	.9092	.3731
#2	.9748	.4842	1.789	.4810	1.976	.9093	.3822

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3797.0	101630.	7959.8
Stddev	1.4	869.	17.6
%RSD	.03710	.85508	.22111
#1	3798.0	102240.	7947.4
#2	3796.0	101010.	7972.3

Zoom In Zoom Out

Sample Name: MP22226-B1 Acquired: 12/12/2013 12:49:13 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2088	2.199	.5472	.0003	.0020	2.006	.5075	24.66	.5329
Stddev	.0004	.013	.0013	.0003	.0000	.003	.0005	.05	.0012
%RSD	.2102	.5962	.2389	109.5	.8537	.1503	.0945	.2153	.2250
#1	.2091	2.189	.5482	.0005	.0020	2.004	.5079	24.70	.5338
#2	.2085	2.208	.5463	.0001	.0020	2.009	.5072	24.62	.5321

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5312	.5272	.4795	2.149	24.97	25.42	.5124	.0020	25.30
Stddev	.0004	.0038	.0001	.013	.06	.10	.0031	.0006	.01
%RSD	.0724	.7274	.0108	.6157	.2445	.3771	.6015	30.77	.0497
#1	.5315	.5299	.4795	2.159	25.01	25.49	.5146	.0024	25.29
#2	.5309	.5245	.4794	2.140	24.92	25.36	.5102	.0016	25.31

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4943	1.005	-.0001	-.0006	-.0013	.5308	.5353	.0129	-.0014
Stddev	.0004	.001	.0006	.0015	.0016	.0019	.0006	.0003	.0001
%RSD	.0888	.0757	435.1	254.6	117.8	.3540	.1034	2.552	6.512
#1	.4940	1.004	-.0006	.0005	-.0002	.5322	.5349	.0127	-.0014
#2	.4946	1.005	.0003	-.0016	-.0024	.5295	.5356	.0132	-.0013

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4997	.5041	.5180	.5352	.0142	.5364	.0520
Stddev	.0005	.0038	.0006	.0052	.0007	.0010	.0062
%RSD	.1039	.7457	.1099	.9693	4.683	.1881	11.95
#1	.5001	.5068	.5184	.5388	.0137	.5371	.0564
#2	.4993	.5015	.5176	.5315	.0146	.5356	.0476

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4084.2	108360.	8173.6
Stddev	8.0	840.	40.8
%RSD	.19529	.77510	.49883
#1	4078.5	107760.	8144.8
#2	4089.8	108950.	8202.5

Zoom In Zoom Out

Sample Name: MP22226-MB1 Acquired: 12/12/2013 12:53:59 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0001	.0180	-.0007	.0000	.0005	.0001	.0000	.0098	.0001
Stddev	.0005	.0115	.0003	.001	.0000	.0000	.000	.0016	.0000
%RSD	468.5	63.79	38.41	1405.	6.932	26.62	1769.	16.09	29.94
#1	.0004	.0261	-.0009	.0003	.0005	.0001	.0000	.0087	.0001
#2	-.0002	.0099	-.0005	-.0004	.0005	.0001	.0000	.0109	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0002	.0000	.0001	.0057	.0468	.0018	.0003	.0006	.0128
Stddev	.0001	.000	.0001	.0037	.0262	.0030	.0000	.0000	.0086
%RSD	29.35	1829.	115.2	65.02	56.04	165.4	5.598	.3977	66.99
#1	-.0002	.0002	.0001	.0084	.0283	-.0003	.0003	.0006	.0189
#2	-.0002	-.0002	.0000	.0031	.0654	.0039	.0003	.0006	.0067

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0001	-.0007	.0004	.0061	.0010	.0004	.0006	.0159	.0002
Stddev	.0000	.0001	.0015	.0021	.0005	.0006	.0006	.0001	.0001
%RSD	27.73	17.70	368.1	33.76	52.20	136.3	105.9	.4426	58.63
#1	-.0001	-.0007	.0015	.0046	.0014	.0008	.0001	.0160	.0003
#2	-.0002	-.0008	-.0006	.0076	.0006	.0000	.0010	.0159	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0001	-.0001	.0001	-.0007	.0036	.0008	-.0004
Stddev	.0000	.0001	.0004	.0003	.0009	.0000	.0006
%RSD	30.26	81.99	470.0	35.02	24.77	.0711	151.3
#1	-.0001	.0000	.0004	-.0009	.0043	.0008	.0000
#2	.0000	-.0001	-.0002	-.0006	.0030	.0008	-.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4114.6	110060.	8298.6
Stddev	26.0	405.	11.2
%RSD	.63096	.36816	.13545
#1	4133.0	109780.	8306.6
#2	4096.3	110350.	8290.7

Zoom In Zoom Out

Sample Name: MP22226-S1 Acquired: 12/12/2013 12:58:55 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2158	2.359	.5608	-.0004	.4760	2.025	.5061	70.25	.5467
Stddev	.0011	.006	.0013	.0008	.0004	.009	.0036	.15	.0000
%RSD	.5113	.2551	.2363	193.8	.0792	.4498	.7170	.2092	.0018
#1	.2166	2.363	.5618	-.0010	.4762	2.018	.5087	70.36	.5467
#2	.2151	2.354	.5599	.0002	.4757	2.031	.5036	70.15	.5467

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5288	.5277	.4859	2.829	51.37	55.21	.5269	.0018	F 269.4
Stddev	.0012	.0017	.0041	.025	.21	.77	.0016	.0001	2.4
%RSD	.2271	.3303	.8377	.8752	.4107	1.403	.3103	4.706	.8898
#1	.5280	.5290	.4888	2.847	51.22	55.75	.5281	.0018	267.7
#2	.5297	.5265	.4830	2.812	51.51	54.66	.5258	.0017	271.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4870	.9855	-.0030	-.0015	3.039	.5389	.2885	14.60	-.0017
Stddev	.0002	.0022	.0005	.0008	.008	.0000	.0014	.01	.0001
%RSD	.0340	.2216	17.62	54.80	.2572	.0044	.4771	.0823	4.315
#1	.4869	.9839	-.0026	-.0021	3.045	.5390	.2895	14.61	-.0017
#2	.4871	.9870	-.0034	-.0009	3.034	.5389	.2875	14.60	-.0016

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.8181	.5141	.4996	.5405	-.0003	.5366	-.0706
Stddev	.0040	.0026	.0017	.0030	.0010	.0021	.0004
%RSD	.4836	.5036	.3476	.5610	355.4	.3895	.5659
#1	.8209	.5159	.4983	.5426	-.0010	.5351	-.0703
#2	.8153	.5123	.5008	.5383	.0004	.5381	-.0709

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3930.4	104560.	8104.5
Stddev	5.1	335.	73.6
%RSD	.13027	.32059	.90823
#1	3926.8	104320.	8156.5
#2	3934.1	104790.	8052.5

Zoom In Zoom Out

Sample Name: MP22226-S2 Acquired: 12/12/2013 13:03:46 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2191	2.415	.5691	-.0004	.4788	2.065	.5128	70.73	.5520
Stddev	.0216	.026	.0003	.0000	.0027	.019	.0027	.59	.0041
%RSD	9.854	1.096	.0483	10.31	.5703	.9086	.5355	.8379	.7518
#1	.2344	2.434	.5689	-.0004	.4768	2.079	.5147	71.15	.5490
#2	.2038	2.396	.5693	-.0004	.4807	2.052	.5108	70.31	.5549

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5344	.5464	.5021	2.887	51.86	55.64	.5446	.0017	F 269.2
Stddev	.0040	.0584	.0556	.039	.52	.56	.0566	.0001	2.2
%RSD	.7487	10.69	11.07	1.356	1.001	1.003	10.40	6.606	.8130
#1	.5316	.5877	.5414	2.915	52.23	56.03	.5846	.0018	270.7
#2	.5372	.5051	.4628	2.859	51.49	55.25	.5046	.0016	267.6

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4937	.9999	-.0013	.0013	3.066	.5472	.2965	14.67	-.0014
Stddev	.0025	.0081	.0002	.0005	.027	.0046	.0021	.09	.0000
%RSD	.5072	.8128	15.61	40.17	.8947	.8466	.7241	.5966	1.095
#1	.4919	.9942	-.0015	.0017	3.046	.5439	.2950	14.61	-.0014
#2	.4955	1.006	-.0012	.0009	3.085	.5505	.2980	14.74	-.0014

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.8255	.5333	.5079	.5591	.0016	.5416	-.0758
Stddev	.0053	.0558	.0013	.0597	.0029	.0041	.0041
%RSD	.6367	10.47	.2618	10.68	181.1	.7551	5.440
#1	.8293	.5728	.5070	.6013	-.0005	.5387	-.0729
#2	.8218	.4938	.5089	.5169	.0037	.5445	-.0787

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3887.2	102460.	8078.0
Stddev	17.4	9000.	55.3
%RSD	.44854	8.7837	.68485
#1	3899.6	96096.	8038.9
#2	3874.9	108820.	8117.2

Zoom In Zoom Out

Sample Name: MP22226-SD1 Acquired: 12/12/2013 13:08:37 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0006	.1891	.0034	-.0058	.4727	.0108	.0001	45.59	.0008
Stddev	.0001	.0646	.0020	.0006	.0015	.0002	.0005	.01	.0001
%RSD	19.88	34.17	56.95	9.636	.3104	1.448	441.1	.0321	15.30
#1	.0005	.1434	.0021	-.0062	.4737	.0109	-.0002	45.60	.0007
#2	.0007	.2348	.0048	-.0054	.4716	.0107	.0004	45.57	.0008

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0003	-.0004	-.0020	.6956	26.01	29.01	.0153	.0026	249.5
Stddev	.0003	.0007	.0012	.0223	.06	.39	.0003	.0003	1.0
%RSD	97.43	185.1	61.63	3.208	.2485	1.330	2.190	10.77	.3816
#1	.0001	-.0009	-.0011	.7114	25.97	29.29	.0151	.0028	250.2
#2	.0005	.0001	-.0029	.6798	26.06	28.74	.0156	.0024	248.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0004	-.0030	.0018	.0056	3.571	.0019	.0040	14.06	-.0002
Stddev	.0006	.0008	.0019	.0077	.007	.0025	.0015	.01	.0013
%RSD	149.8	27.79	107.3	138.5	.2010	132.0	38.67	.0529	584.4
#1	.0009	-.0024	.0032	.0110	3.566	.0001	.0051	14.06	.0007
#2	.0000	-.0036	.0004	.0001	3.576	.0036	.0029	14.05	-.0012

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.3133	.0082	-.0005	.0055	.0036	.0028	-.0760
Stddev	.0008	.0005	.0022	.0003	.0086	.0003	.0004
%RSD	.2645	5.694	470.3	5.686	236.2	12.21	.5318
#1	.3138	.0085	.0011	.0053	-.0024	.0025	-.0763
#2	.3127	.0079	-.0020	.0057	.0097	.0030	-.0757

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4122.2	108790.	8192.3
Stddev	5.5	215.	66.1
%RSD	.13420	.19755	.80650
#1	4126.1	108640.	8145.6
#2	4118.3	108940.	8239.0

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 13:13:33 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2497	10.05	1.968	-.0007	1.968	1.928	1.961	10.06	2.030
Stddev	.0007	.04	.001	.0000	.001	.005	.000	.03	.001
%RSD	.2867	.3833	.0727	4.111	.0255	.2628	.0068	.2561	.0291
#1	.2502	10.02	1.967	-.0007	1.968	1.924	1.961	10.04	2.030
#2	.2492	10.08	1.969	-.0008	1.967	1.931	1.961	10.08	2.030

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	2.087	1.979	1.884	10.22	10.03	10.09	1.985	2.003	10.13
Stddev	.000	.002	.004	.02	.06	.02	.002	.004	.02
%RSD	.0139	.1099	.2211	.1792	.6285	.2000	.1167	.1742	.1899
#1	2.087	1.978	1.881	10.21	10.07	10.07	1.983	2.001	10.11
#2	2.088	1.981	1.887	10.23	9.982	10.10	1.986	2.006	10.14

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	1.939	1.943	.0019	-.0090	-.0018	1.996	2.012	-.0085	1.982
Stddev	.001	.000	.0012	.0013	.0011	.002	.000	.0001	.001
%RSD	.0235	.0036	62.30	14.80	61.44	.0858	.0042	.7361	.0334
#1	1.939	1.943	.0027	-.0081	-.0026	1.997	2.013	-.0085	1.982
#2	1.939	1.943	.0011	-.0099	-.0010	1.995	2.012	-.0086	1.981

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.976	1.965	1.958	1.965	-.0030	2.008	.0063
Stddev	.002	.000	.001	.004	.0037	.001	.0012
%RSD	.0837	.0148	.0529	.1802	121.3	.0678	19.22
#1	1.975	1.965	1.959	1.963	-.0004	2.007	.0071
#2	1.978	1.966	1.957	1.968	-.0056	2.009	.0054

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4150.7	109810.	8212.4
Stddev	3.5	23.	76.1
%RSD	.08398	.02079	.92655
#1	4153.1	109800.	8266.2
#2	4148.2	109830.	8158.6

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 13:18:24 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.0121**	**-.0004**	**-.0001**	**.0011**	**.0000**	**.0000**	**.0014**	**.0002**
Stddev	.0001	.0068	.0001	.0007	.0003	.0001	.0000	.0009	.0001
%RSD	61.97	56.19	39.68	533.6	26.08	227.0	134.5	61.51	59.18
#1	.0000	.0169	-.0005	.0004	.0013	.0001	.0000	.0008	.0001
#2	-.0001	.0073	-.0003	-.0006	.0009	.0000	.0000	.0020	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**-.0004**	**-.0003**	**.0005**	**.1020**	**.0211**	**.0000**	**.0029**	**.0611**
Stddev	.0002	.0004	.0004	.0016	.0097	.0072	.000	.0006	.0092
%RSD	137.1	93.58	106.1	323.7	9.510	34.04	57.09	20.57	15.14
#1	.0000	-.0001	-.0006	-.0007	.0952	.0160	.0000	.0033	.0676
#2	.0003	-.0007	-.0001	.0017	.1089	.0262	.0000	.0025	.0545

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0002**	**.0005**	**-.0007**	**.0008**	**-.0012**	**.0008**	**.0011**	**-.0009**	**.0003**
Stddev	.0001	.0007	.0008	.0001	.0006	.0003	.0002	.0004	.0001
%RSD	74.70	137.7	117.0	15.10	49.52	41.09	14.80	37.98	20.23
#1	.0001	.0010	-.0013	.0007	-.0016	.0010	.0012	-.0012	.0004
#2	.0003	.0000	-.0001	.0009	-.0008	.0006	.0010	-.0007	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0003**	**.0012**	**-.0004**	**-.0010**	**.0002**	**.0001**
Stddev	.0001	.0001	.0001	.0000	.0023	.0002	.0004
%RSD	729.4	18.24	7.431	.6323	236.3	95.07	404.9
#1	-.0001	.0003	.0011	-.0004	-.0025	.0001	.0004
#2	.0001	.0004	.0012	-.0004	.0006	.0004	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4154.6**	**109560.**	**8194.0**
Stddev	11.8	333.	16.1
%RSD	.28392	.30353	.19693
#1	4146.3	109320.	8182.6
#2	4162.9	109790.	8205.4

Zoom In Zoom Out

Sample Name: JB53625-10 Acquired: 12/12/2013 13:23:20 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0008**	**.1572**	**.0048**	**-.0014**	**.4645**	**.0092**	**.0000**	**44.02**	**.0003**
Stddev	.0001	.0043	.0006	.0004	.0027	.0004	.0001	.11	.0001
%RSD	10.14	2.709	11.61	31.23	.5895	4.292	297.6	.2485	28.85
#1	.0008	.1602	.0044	-.0017	.4625	.0089	.0000	44.09	.0002
#2	.0009	.1542	.0051	-.0011	.4664	.0094	.0001	43.94	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**.0017**	**-.0001**	**.6882**	**24.78**	**28.53**	**.0150**	**.0023**	F **237.3**
Stddev	.0001	.0000	.0002	.0038	.00	.07	.0001	.0001	1.1
%RSD	42.44	1.552	326.8	.5562	.0092	.2527	.7985	4.766	.4575
#1	-.0003	.0017	.0001	.6909	24.78	28.58	.0151	.0023	238.1
#2	-.0001	.0017	-.0002	.6855	24.78	28.47	.0150	.0022	236.6

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**-.0004**	**-.0032**	**-.0005**	**3.376**	**.0006**	**.0018**	**14.04**	**.0002**
Stddev	.0001	.0002	.0007	.0002	.013	.0001	.0003	.08	.0001
%RSD	91.34	41.71	22.67	39.09	.3742	25.59	18.56	.5476	69.83
#1	.0002	-.0006	-.0027	-.0004	3.367	.0007	.0020	13.99	.0003
#2	.0000	-.0003	-.0037	-.0007	3.385	.0005	.0015	14.10	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3073**	**.0079**	**-.0003**	**.0045**	**.0004**	**.0016**	**-.0768**
Stddev	.0004	.0001	.0001	.0004	.0000	.0001	.0006
%RSD	.1429	1.684	37.66	8.062	8.317	3.814	.7838
#1	.3076	.0080	-.0003	.0043	.0004	.0017	-.0763
#2	.3070	.0078	-.0004	.0048	.0003	.0016	-.0772

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3971.0**	**105980.**	**8169.4**
Stddev	16.9	253.	5.2
%RSD	.42458	.23909	.06330
#1	3982.9	105800.	8165.7
#2	3959.1	106160.	8173.0

Zoom In Zoom Out

Sample Name: JB53625-11 Acquired: 12/12/2013 13:28:18 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0005**	**.0695**	**.0023**	**-.0009**	**.9317**	**.0113**	**.0000**	**65.34**	**.0003**
Stddev	.0002	.0068	.0004	.0010	.0026	.0002	.0000	.02	.0001
%RSD	50.71	9.819	17.89	116.1	.2742	2.149	202.0	.0256	33.97
#1	.0003	.0744	.0026	-.0002	.9299	.0111	.0000	65.35	.0004
#2	.0006	.0647	.0020	-.0016	.9335	.0114	.0000	65.33	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0028**	**-.0005**	**.0660**	**49.89**	**82.24**	**.0078**	**.0012**	F **726.4**
Stddev	.0000	.0001	.0002	.0035	.06	.24	.0000	.0001	11.0
%RSD	17.56	4.060	43.63	5.375	.1227	.2891	.3322	4.892	1.514
#1	.0001	.0027	-.0006	.0685	49.85	82.41	.0078	.0012	718.6
#2	.0001	.0028	-.0003	.0635	49.94	82.07	.0078	.0013	734.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0000**	**-.0015**	**-.0038**	**.0015**	**12.72**	**-.0003**	**.0019**	**19.14**	**.0000**
Stddev	.0001	.0001	.0007	.0039	.02	.0001	.0005	.06	.0002
%RSD	439.7	3.800	17.68	257.5	.1537	21.86	24.91	.3162	708.2
#1	.0000	-.0015	-.0033	.0043	12.71	-.0003	.0022	19.10	.0002
#2	.0001	-.0016	-.0043	-.0012	12.74	-.0002	.0015	19.18	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.6081**	**.0086**	**-.0001**	**.0050**	**.0004**	**-.0013**	**-.1021**
Stddev	.0008	.0000	.0003	.0001	.0040	.0000	.0004
%RSD	.1268	.0936	287.2	1.594	937.2	.7496	.3574
#1	.6087	.0086	-.0003	.0050	.0032	-.0013	-.1019
#2	.6076	.0086	.0001	.0051	-.0024	-.0014	-.1024

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3814.6**	**99321.**	**8044.1**
Stddev	.3	133.	9.6
%RSD	.00912	.13345	.11983
#1	3814.8	99227.	8037.3
#2	3814.4	99415.	8050.9

Zoom In Zoom Out

Sample Name: JB53625-12 Acquired: 12/12/2013 13:33:17 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.0763**	**.0005**	**-.0027**	**.4009**	**.0440**	**.0000**	**78.97**	**.0004**
Stddev	.0002	.0229	.0006	.0022	.0011	.0002	.000	.53	.0000
%RSD	55.90	30.05	130.2	82.98	.2715	.3817	504.7	.6730	8.692
#1	.0006	.0601	.0000	-.0042	.4017	.0439	-.0001	78.60	.0003
#2	.0003	.0925	.0009	-.0011	.4001	.0442	.0000	79.35	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0028**	**.0002**	**8.181**	**31.50**	**48.99**	**.1628**	**.0003**	F **824.9**
Stddev	.0000	.0001	.0000	.064	.11	.34	.0004	.0001	9.7
%RSD	18.01	4.257	12.93	.7781	.3635	.7030	.2387	28.97	1.175
#1	.0001	.0029	.0002	8.136	31.42	48.75	.1626	.0002	831.7
#2	.0001	.0027	.0001	8.226	31.58	49.24	.1631	.0003	818.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0007**	**-.0010**	**-.0030**	**.0025**	**7.689**	**.0001**	**.0018**	**16.09**	**.0002**
Stddev	.0001	.0006	.0003	.0012	.010	.0007	.0003	.03	.0001
%RSD	17.75	56.68	11.34	47.29	.1270	531.1	18.55	.1764	28.80
#1	.0007	-.0006	-.0028	.0017	7.682	-.0004	.0016	16.11	.0002
#2	.0006	-.0014	-.0033	.0034	7.695	.0007	.0021	16.07	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.7871**	**.0068**	**-.0001**	**.0026**	**.0026**	**-.0013**	**-.0867**
Stddev	.0044	.0002	.0005	.0003	.0024	.0000	.0004
%RSD	.5566	2.475	460.0	10.81	92.55	2.823	.4798
#1	.7840	.0069	.0003	.0028	.0009	-.0013	-.0870
#2	.7902	.0067	-.0005	.0024	.0043	-.0013	-.0864

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3821.3**	**100010.**	**8063.8**
Stddev	8.4	422.	28.9
%RSD	.21948	.42179	.35821
#1	3815.4	99713.	8084.2
#2	3827.2	100310.	8043.4

Zoom In Zoom Out

Sample Name: JB53625-13 Acquired: 12/12/2013 13:38:14 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0006**	**.1192**	**-.0002**	**.0033**	**.1357**	**.0299**	**.0000**	**34.94**	**.0004**
Stddev	.0009	.0089	.0007	.0060	.0001	.0002	.0000	.04	.0002
%RSD	156.4	7.437	303.6	181.4	.0797	.7295	138.7	.1134	61.58
#1	.0001	.1254	.0003	-.0009	.1357	.0300	.0000	34.96	.0002
#2	-.0012	.1129	-.0007	.0075	.1356	.0297	.0000	34.91	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0006**	**.0149**	**.0006**	**13.24**	**17.53**	**16.58**	**.2423**	**.0007**	F **442.6**
Stddev	.0006	.0029	.0005	.05	.10	.05	.0495	.0001	1.7
%RSD	100.3	19.36	76.38	.4149	.5456	.2755	20.44	16.52	.3753
#1	.0002	.0128	.0010	13.21	17.60	16.55	.2073	.0007	443.8
#2	.0010	.0169	.0003	13.28	17.47	16.61	.2773	.0008	441.4

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0060**	**-.0004**	**-.0035**	**-.0004**	**10.82**	**.0013**	**.0000**	**11.37**	**.0002**
Stddev	.0003	.0009	.0049	.0009	.04	.0003	.003	.04	.0001
%RSD	4.604	242.8	141.0	227.4	.3788	26.02	7632.	.3181	41.68
#1	.0058	-.0010	.0000	.0002	10.84	.0010	.0021	11.40	.0002
#2	.0062	.0003	-.0069	-.0010	10.79	.0015	-.0021	11.35	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3824**	**.0124**	**-.0009**	**.0040**	**.0054**	**.0008**	**-.0242**
Stddev	.0006	.0025	.0008	.0015	.0006	.0012	.0528
%RSD	.1697	20.43	84.22	37.17	10.84	153.8	218.0
#1	.3820	.0106	-.0004	.0030	.0058	-.0001	-.0615
#2	.3829	.0142	-.0014	.0051	.0050	.0016	.0131

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3978.8**	*****	**8301.0**
Stddev	13.7	-----	59.0
%RSD	.34428	-----	.71073
#1	3969.1	105650.	8259.3
#2	3988.4	-----	8342.7

Zoom In Zoom Out

Sample Name: MC26923-8 Acquired: 12/12/2013 13:43:58 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2082**	**946.3**	**.4804**	**-.0515**	**.2533**	**31.22**	**.0367**	**863.5**	**-.0090**
Stddev	.0047	10.3	.0025	.0229	.0013	.39	.0001	7.1	.0011
%RSD	2.257	1.084	.5189	44.48	.5269	1.254	.1727	.8273	12.25
#1	.2115	939.1	.4821	-.0353	.2543	30.95	.0367	858.4	-.0082
#2	.2049	953.6	.4786	-.0677	.2524	31.50	.0367	868.5	-.0098

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.039**	**2.190**	**1.231**	F **1915.**	**108.6**	**394.3**	**38.34**	**.5688**	**58.21**
Stddev	.018	.024	.009	13.	.9	1.5	.31	.0036	.59
%RSD	.8735	1.115	.7618	.6822	.8470	.3918	.8090	.6354	1.022
#1	2.051	2.207	1.238	1905.	108.0	393.2	38.56	.5713	57.78
#2	2.026	2.173	1.224	1924.	109.3	395.4	38.12	.5662	58.63

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**2.286**	**.4645**	**.1204**	**-.2243**	**87.55**	**.0263**	**-.0013**	**220.9**	**.0237**
Stddev	.022	.0063	.0100	.0050	.69	.0012	.0133	4.8	.0018
%RSD	.9500	1.362	8.266	2.211	.7881	4.618	1038.	2.190	7.687
#1	2.301	.4690	.1134	-.2278	88.04	.0271	-.0107	217.5	.0250
#2	2.270	.4601	.1275	-.2208	87.06	.0254	.0081	224.3	.0224

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**2.114**	**.7933**	**-.0169**	**1.199**	**1.211**	**4.304**	**-1.050**
Stddev	.025	.0023	.0041	.012	.001	.036	.030
%RSD	1.204	.2871	24.43	.9778	.0995	.8452	2.854
#1	2.096	.7917	-.0198	1.207	1.212	4.330	-1.028
#2	2.132	.7949	-.0140	1.190	1.210	4.279	-1.071

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4413.4**	**119510.**	**9181.2**
Stddev	29.7	953.	48.8
%RSD	.67247	.79750	.53126
#1	4392.4	118840.	9146.7
#2	4434.3	120190.	9215.7

Zoom In Zoom Out

Sample Name: MC26923-8 Acquired: 12/12/2013 13:49:15 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 20.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 20X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2208**	**1007.**	**.5173**	**-.0528**	**.2888**	**33.68**	**.0401**	**951.9**	**-.0136**
Stddev	.0028	9.	.0065	.0256	.0087	.04	.0007	10.1	.0021
%RSD	1.251	.8877	1.253	48.42	2.998	.1082	1.684	1.061	15.35
#1	.2189	1013.	.5127	-.0347	.2949	33.70	.0397	959.0	-.0150
#2	.2228	1000.	.5219	-.0709	.2827	33.65	.0406	944.8	-.0121

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.268**	**2.404**	**1.311**	**2172.**	**119.2**	**425.9**	**43.94**	**.6237**	**65.68**
Stddev	.020	.028	.017	27.	.5	5.3	.58	.0088	.56
%RSD	.8839	1.173	1.285	1.226	.4597	1.241	1.322	1.417	.8474
#1	2.254	2.384	1.299	2191.	119.6	429.6	43.53	.6174	66.07
#2	2.283	2.424	1.323	2153.	118.8	422.1	44.35	.6299	65.29

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**2.575**	**.5131**	**.1627**	**-.2044**	**96.02**	**.0319**	**.0528**	**251.4**	**.0241**
Stddev	.036	.0212	.0189	.0423	.80	.0119	.0487	3.4	.0044
%RSD	1.397	4.130	11.61	20.67	.8361	37.48	92.12	1.363	18.45
#1	2.549	.4981	.1760	-.2343	95.46	.0234	.0873	249.0	.0209
#2	2.600	.5280	.1493	-.1746	96.59	.0403	.0184	253.8	.0272

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**2.298**	**.8510**	**-.0177**	**1.298**	**1.334**	**4.905**	**-1.222**
Stddev	.001	.0141	.0061	.010	.002	.032	.010
%RSD	.0456	1.661	34.61	.7556	.1320	.6439	.8536
#1	2.299	.8410	-.0134	1.291	1.335	4.882	-1.215
#2	2.298	.8610	-.0221	1.305	1.333	4.927	-1.230

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4265.9**	**114870.**	**8600.8**
Stddev	26.1	921.	147.8
%RSD	.61279	.80220	1.7183
#1	4284.3	115520.	8496.3
#2	4247.4	114220.	8705.3

Zoom In Zoom Out

Sample Name: JB53079-1 Acquired: 12/12/2013 13:54:03 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.6322**	**.0062**	**.0013**	**1.624**	**.4289**	**.0000**	**118.6**	**.0007**
Stddev	.0006	.0152	.0024	.0003	.006	.0064	.000	2.3	.0005
%RSD	139.0	2.410	38.21	20.20	.3730	1.483	464.9	1.940	72.69
#1	.0000	.6430	.0078	.0015	1.628	.4334	.0000	120.2	.0010
#2	.0009	.6214	.0045	.0011	1.619	.4244	-.0001	116.9	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0050**	**-.0003**	**.0035**	**1.840**	**10.52**	**31.99**	**3.467**	**.0029**	**326.4**
Stddev	.0006	.0007	.0004	.048	.30	.49	.012	.0003	5.7
%RSD	11.81	246.1	11.64	2.602	2.818	1.516	.3375	11.50	1.750
#1	.0046	-.0008	.0032	1.874	10.73	32.33	3.475	.0027	330.5
#2	.0054	.0002	.0038	1.806	10.31	31.65	3.459	.0032	322.4

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0065**	**-.0026**	**-.0062**	**-.0001**	**7.816**	**.0019**	**.0076**	**15.62**	**-.0003**
Stddev	.0004	.0016	.0030	.0041	.021	.0000	.0042	.24	.0010
%RSD	5.516	59.38	48.08	3083.	.2704	2.473	55.88	1.504	371.2
#1	.0062	-.0015	-.0041	.0027	7.831	.0019	.0106	15.79	-.0010
#2	.0067	-.0037	-.0083	-.0030	7.801	.0019	.0046	15.46	.0005

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3681**	**.0206**	**-.0004**	**-.0011**	**.0055**	**.0044**	**-.0847**
Stddev	.0070	.0015	.0006	.0002	.0007	.0003	.0024
%RSD	1.890	7.458	150.0	15.47	13.12	5.988	2.876
#1	.3730	.0217	-.0009	-.0012	.0050	.0042	-.0865
#2	.3632	.0196	.0000	-.0009	.0060	.0046	-.0830

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4078.4**	**107790.**	**8134.0**
Stddev	12.5	107.	134.0
%RSD	.30770	.09924	1.6471
#1	4069.6	107710.	8039.3
#2	4087.3	107860.	8228.8

Zoom In Zoom Out

Sample Name: JB53304-7 Acquired: 12/12/2013 13:58:56 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**1.939**	**.0913**	**.0012**	**1.116**	**.0181**	**-.0001**	**16.60**	**.0009**
Stddev	.0020	.038	.0003	.0034	.005	.0001	.0001	.16	.0003
%RSD	529.4	1.970	.3447	291.7	.4080	.6858	67.15	.9440	35.68
#1	-.0011	1.912	.0911	.0035	1.113	.0182	.0000	16.49	.0006
#2	.0018	1.966	.0915	-.0012	1.119	.0180	-.0001	16.71	.0011

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0019**	**.0037**	**.0059**	**2.370**	**7.193**	**3.668**	**.0259**	**.0958**	**259.3**
Stddev	.0007	.0004	.0003	.038	.023	.097	.0001	.0002	.7
%RSD	34.59	10.99	4.452	1.588	.3218	2.636	.3146	.2044	.2824
#1	.0024	.0034	.0057	2.344	7.210	3.599	.0258	.0959	258.8
#2	.0015	.0040	.0061	2.397	7.177	3.736	.0260	.0956	259.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0052**	**-.0007**	**.0039**	**.0060**	F **130.6**	**.0035**	**.0058**	**13.85**	**.0016**
Stddev	.0000	.0003	.0006	.0138	.2	.0003	.0001	.03	.0008
%RSD	.6428	46.10	15.24	230.2	.1411	7.288	2.137	.2273	54.04
#1	.0052	-.0009	.0043	.0158	130.5	.0033	.0057	13.87	.0010
#2	.0052	-.0005	.0035	-.0038	130.7	.0037	.0059	13.83	.0022

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0849**	**.0402**	**-.0005**	**.0588**	**.0228**	**.0053**	**-.0753**
Stddev	.0004	.0008	.0030	.0006	.0091	.0003	.0002
%RSD	.5239	1.910	550.8	1.018	40.04	5.980	.2960
#1	.0846	.0396	-.0027	.0584	.0293	.0055	-.0754
#2	.0852	.0407	.0016	.0593	.0163	.0051	-.0751

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4122.7**	**109340.**	**8291.8**
Stddev	4.8	692.	47.7
%RSD	.11742	.63269	.57494
#1	4126.1	108850.	8325.5
#2	4119.2	109830.	8258.0

Zoom In Zoom Out

Sample Name: JB53441-5 Acquired: 12/12/2013 14:03:50 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 50X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0058**	**.0994**	**-.0063**	**.0531**	**1.942**	**.0192**	**.0022**	**73.84**	**.0014**
Stddev	.0105	.6542	.0088	.0282	.010	.0061	.0052	6.89	.0060
%RSD	181.1	657.8	138.4	53.05	.5327	31.86	237.4	9.331	424.0
#1	-.0016	-.3631	-.0001	.0730	1.935	.0235	-.0015	78.71	.0056
#2	.0132	.5620	-.0125	.0332	1.950	.0149	.0058	68.97	-.0028

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0011**	**-.0166**	**-.0070**	**5.742**	**80.60**	**155.2**	**.2217**	**.0088**	**2304.**
Stddev	.0013	.0146	.0085	.556	7.59	13.8	.0007	.0015	212.
%RSD	115.1	87.95	121.1	9.685	9.413	8.918	.3048	17.04	9.209
#1	-.0020	-.0063	-.0010	6.135	85.96	165.0	.2222	.0099	2454.
#2	-.0002	-.0269	-.0130	5.348	75.23	145.4	.2212	.0078	2154.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0060**	**.0128**	**-.0132**	**-.0453**	**100.4**	**.0422**	**.0359**	**17.94**	**.0130**
Stddev	.0140	.0306	.0543	.0990	.9	.0167	.0008	.10	.0013
%RSD	233.4	238.9	410.6	218.3	.8924	39.52	2.093	.5413	9.760
#1	.0158	.0344	.0252	-.1153	99.73	.0304	.0354	17.87	.0121
#2	-.0039	-.0088	-.0516	.0246	101.0	.0540	.0364	18.01	.0139

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.9609**	**.0085**	**-.0033**	**-.0168**	**.1923**	**.0089**	**-.1000**
Stddev	.1051	.0029	.0101	.0092	.0534	.0003	.0261
%RSD	10.94	33.80	307.8	54.84	27.75	2.820	26.12
#1	1.035	.0105	.0038	-.0233	.1546	.0088	-.1185
#2	.8866	.0064	-.0104	-.0103	.2301	.0091	-.0816

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4132.0**	**109610.**	**8763.5**
Stddev	31.5	619.	689.5
%RSD	.76337	.56506	7.8678
#1	4154.3	110050.	8276.0
#2	4109.7	109170.	9251.0

Zoom In Zoom Out

Sample Name: JB53441-6 Acquired: 12/12/2013 14:08:45 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 50X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0111**	**.6321**	**-.0128**	**-.0397**	**1.821**	**.0413**	**-.0018**	**107.5**	**.0019**
Stddev	.0014	.2275	.0275	.0205	.009	.0166	.0017	.8	.0032
%RSD	12.27	35.99	214.7	51.77	.4663	40.20	94.76	.6993	171.0
#1	.0101	.7930	-.0322	-.0252	1.815	.0531	-.0030	108.0	-.0004
#2	.0121	.4713	.0066	-.0542	1.827	.0296	-.0006	107.0	.0041

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0049**	**-.0170**	**-.0166**	**6.822**	**94.38**	**215.8**	**.3093**	**.0045**	**2765.**
Stddev	.0037	.0140	.0060	.261	1.53	1.9	.0032	.0021	3.
%RSD	76.75	82.12	35.78	3.825	1.623	.8735	1.036	46.50	.1022
#1	-.0075	-.0071	-.0124	7.006	93.29	217.1	.3071	.0060	2767.
#2	-.0022	-.0269	-.0208	6.637	95.46	214.4	.3116	.0030	2763.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0111**	**-.0034**	**.0274**	**.2178**	**121.3**	**.0384**	**.0028**	**16.90**	**.0101**
Stddev	.0007	.0318	.0002	.1203	.3	.0431	.0222	.07	.0033
%RSD	6.118	922.6	.8380	55.22	.2682	112.4	800.0	.4368	33.21
#1	.0115	-.0259	.0273	.3028	121.1	.0689	.0185	16.95	.0124
#2	.0106	.0190	.0276	.1327	121.5	.0079	-.0129	16.85	.0077

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.359**	**.0116**	**-.0067**	**-.0175**	**.0294**	**.0141**	**-.0689**
Stddev	.010	.0125	.0025	.0359	.0433	.0046	.0135
%RSD	.7359	108.4	36.67	205.5	147.5	32.25	19.63
#1	1.366	.0027	-.0050	.0079	.0600	.0174	-.0593
#2	1.352	.0205	-.0084	-.0429	-.0013	.0109	-.0784

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4164.7**	**109060.**	**8260.5**
Stddev	12.7	288.	55.9
%RSD	.30570	.26392	.67692
#1	4173.7	108860.	8220.9
#2	4155.7	109260.	8300.0

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 14:13:40 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2492**	**10.04**	**1.955**	**-.0013**	**1.960**	**1.926**	**1.944**	**9.982**	**2.006**
Stddev	.0011	.18	.004	.0005	.001	.025	.023	.140	.002
%RSD	.4321	1.760	.2195	37.88	.0313	1.298	1.172	1.402	.0809
#1	.2484	9.911	1.958	-.0010	1.959	1.908	1.927	9.883	2.005
#2	.2499	10.16	1.952	-.0017	1.960	1.943	1.960	10.08	2.007

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.065**	**1.971**	**1.890**	**10.07**	**10.04**	**9.909**	**1.987**	**1.980**	**10.16**
Stddev	.002	.016	.006	.18	.12	.109	.014	.002	.14
%RSD	.1044	.8122	.2999	1.780	1.221	1.104	.6944	.1059	1.412
#1	2.067	1.959	1.886	9.939	9.949	9.832	1.978	1.979	10.06
#2	2.063	1.982	1.894	10.19	10.12	9.986	1.997	1.982	10.26

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.937**	**1.934**	**.0015**	**-.0082**	**-.0030**	**1.979**	**1.989**	**.1189**	**1.970**
Stddev	.003	.001	.0005	.0000	.0004	.003	.001	.0098	.004
%RSD	.1335	.0238	33.07	.3392	13.27	.1595	.0307	8.201	.1792
#1	1.939	1.934	.0011	-.0083	-.0033	1.977	1.989	.1258	1.973
#2	1.936	1.934	.0018	-.0082	-.0027	1.982	1.988	.1120	1.968

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.979**	**1.968**	**1.948**	**1.965**	**-.0034**	**1.983**	**.0070**
Stddev	.024	.015	.001	.015	.0009	.004	.0016
%RSD	1.201	.7584	.0578	.7483	25.35	.2085	23.13
#1	1.962	1.957	1.947	1.955	-.0040	1.985	.0082
#2	1.996	1.979	1.948	1.976	-.0028	1.980	.0059

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4200.0**	**110330.**	**8303.4**
Stddev	5.0	286.	66.7
%RSD	.11815	.25888	.80324
#1	4196.5	110540.	8350.5
#2	4203.5	110130.	8256.2

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 14:18:25 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**.0050**	**.0002**	**-.0004**	**.0015**	**.0001**	**.0001**	**.0048**	**.0004**
Stddev	.0002	.0028	.0002	.0005	.0002	.0001	.0000	.0022	.0001
%RSD	114.9	55.99	146.3	127.5	11.61	61.35	18.49	45.04	31.92
#1	.0003	.0030	.0003	.0000	.0014	.0002	.0001	.0033	.0003
#2	.0000	.0070	.0000	-.0008	.0017	.0001	.0001	.0063	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0003**	**-.0002**	**.0000**	**-.0007**	**.0767**	**.0191**	**.0001**	**.0031**	**.1827**
Stddev	.0001	.0002	.000	.0012	.0197	.0224	.0001	.0007	.0109
%RSD	44.92	109.4	1828.	177.0	25.72	117.4	53.79	21.15	5.958
#1	.0002	.0000	-.0002	.0002	.0628	.0349	.0001	.0036	.1750
#2	.0003	-.0004	.0002	-.0015	.0907	.0032	.0002	.0026	.1904

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0004**	**.0002**	**.0001**	**.0026**	**.0004**	**.0013**	**.0025**	**.0347**	**.0008**
Stddev	.0003	.0007	.0010	.0031	.0005	.0001	.0015	.0016	.0001
%RSD	82.61	387.6	1289.	119.6	111.3	6.484	57.82	4.616	12.13
#1	.0002	-.0003	-.0007	.0004	.0001	.0013	.0015	.0358	.0009
#2	.0006	.0007	.0008	.0047	.0008	.0014	.0036	.0336	.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0002**	**.0016**	**.0000**	**.0000**	**.0005**	**-.0004**
Stddev	.0000	.0002	.0002	.000	.0014	.0001	.0002
%RSD	32.35	102.1	11.11	54.99	4867.	28.12	54.67
#1	.0002	.0001	.0015	.0000	-.0010	.0004	-.0003
#2	.0001	.0004	.0018	.0000	.0010	.0006	-.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4168.7**	**109850.**	**8248.5**
Stddev	14.7	267.	52.3
%RSD	.35271	.24334	.63403
#1	4179.1	109660.	8211.5
#2	4158.3	110040.	8285.5

Zoom In Zoom Out

Sample Name: JB53441-10 Acquired: 12/12/2013 14:23:21 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**.0548**	**-.0006**	**.0000**	**.0018**	**.0005**	**.0000**	**.1160**	**.0001**
Stddev	.0001	.0071	.0006	.0002	.0001	.0001	.000	.0111	.0000
%RSD	43.84	12.96	100.6	615.6	6.464	16.86	235.5	9.568	8.308
#1	.0004	.0498	-.0011	.0002	.0018	.0005	.0000	.1081	.0001
#2	.0002	.0598	-.0002	-.0001	.0017	.0006	-.0001	.1238	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0003**	**.0002**	**.0755**	**.1139**	**.0136**	**.0010**	**.0008**	**.4153**
Stddev	.0001	.0002	.0001	.0041	.0133	.0097	.0000	.0002	.0411
%RSD	109.3	73.55	22.66	5.386	11.66	71.26	1.667	25.89	9.900
#1	-.0001	.0001	.0002	.0726	.1045	.0204	.0010	.0010	.3862
#2	.0000	.0004	.0003	.0784	.1233	.0067	.0010	.0007	.4444

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0003**	**-.0004**	**.0000**	**.0015**	**.0406**	**.0016**	**.0007**	**.1433**	**.0005**
Stddev	.0000	.0002	.0015	.0020	.0006	.0005	.0005	.0022	.0002
%RSD	6.161	46.66	6283.	133.1	1.488	33.99	76.60	1.541	40.52
#1	.0003	-.0005	.0011	.0030	.0411	.0012	.0011	.1448	.0006
#2	.0003	-.0003	-.0010	.0001	.0402	.0020	.0003	.1417	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0006**	**.0017**	**-.0007**	**-.0001**	**.0045**	**.0025**	**-.0011**
Stddev	.0000	.0003	.0001	.0001	.0019	.0000	.0001
%RSD	6.321	18.53	13.71	193.9	42.33	.0984	6.273
#1	.0006	.0019	-.0006	.0000	.0032	.0025	-.0010
#2	.0006	.0015	-.0007	-.0002	.0059	.0025	-.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4096.4**	**107880.**	**8659.6**
Stddev	8.1	644.	569.0
%RSD	.19842	.59731	6.5705
#1	4090.7	107420.	9062.0
#2	4102.2	108330.	8257.3

Zoom In Zoom Out

Sample Name: JB53368-5 Acquired: 12/12/2013 14:28:18 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0016**	**.0243**	**-.0004**	**.0002**	**.0014**	**.0005**	**.0000**	**.0913**	**.0001**
Stddev	.0001	.0014	.0001	.0007	.0000	.0001	.0001	.0015	.0000
%RSD	5.953	5.917	28.75	314.7	.3255	13.45	438.6	1.664	51.50
#1	.0015	.0233	-.0005	.0007	.0014	.0005	.0000	.0924	.0001
#2	.0017	.0254	-.0004	-.0003	.0014	.0004	.0001	.0903	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0003**	**.0008**	**.0370**	**.0919**	**.0507**	**.0008**	**.0004**	**.4480**
Stddev	.0000	.0003	.0006	.0021	.0043	.0105	.0000	.0002	.0279
%RSD	19.80	78.90	81.56	5.654	4.645	20.74	2.162	39.12	6.222
#1	.0001	.0005	.0003	.0385	.0949	.0581	.0008	.0005	.4677
#2	.0001	.0001	.0012	.0355	.0889	.0433	.0008	.0003	.4283

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0005**	**-.0003**	**.0000**	**.0000**	**.0245**	**.0001**	**.0014**	**.0711**	**.0040**
Stddev	.0001	.0001	.000	.0004	.0000	.0000	.0002	.0006	.0000
%RSD	14.90	48.06	614.6	5475.	.0730	14.28	12.01	.8375	.8122
#1	.0005	-.0004	.0002	.0003	.0244	.0001	.0015	.0706	.0040
#2	.0004	-.0002	-.0003	-.0003	.0245	.0001	.0013	.0715	.0040

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0005**	**.0008**	**.0008**	**.0001**	**.0010**	**.0071**	**-.0015**
Stddev	.0001	.0000	.0002	.0003	.0039	.0001	.0005
%RSD	21.76	.3278	22.71	208.5	388.3	1.008	29.46
#1	.0006	.0008	.0006	-.0001	.0038	.0071	-.0012
#2	.0004	.0008	.0009	.0003	-.0018	.0070	-.0019

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4159.4**	**111360.**	**8284.6**
Stddev	22.1	24.	126.7
%RSD	.53165	.02160	1.5296
#1	4175.0	111380.	8195.0
#2	4143.7	111340.	8374.2

Zoom In Zoom Out

Sample Name: JB53212-7 Acquired: 12/12/2013 14:33:14 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0014**	**.0392**	**-.0001**	**.0000**	**.0012**	**.0005**	**.0000**	**.1002**	**.0000**
Stddev	.0002	.0006	.0005	.000	.0003	.0003	.000	.0016	.000
%RSD	13.89	1.440	408.8	762.4	28.77	53.99	3.403	1.578	475.8
#1	.0013	.0388	-.0004	-.0002	.0014	.0003	.0000	.0991	-.0001
#2	.0016	.0396	.0002	.0001	.0009	.0007	.0000	.1014	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0004**	**.0013**	**.0514**	**.0924**	**.0571**	**.0013**	**.0003**	**.4049**
Stddev	.0000	.0001	.0000	.0011	.0197	.0169	.0000	.0000	.0261
%RSD	95.57	23.71	2.173	2.095	21.37	29.56	1.292	14.60	6.457
#1	.0001	.0005	.0013	.0506	.0784	.0690	.0013	.0003	.4234
#2	.0000	.0003	.0012	.0521	.1063	.0451	.0013	.0003	.3864

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0006**	**-.0005**	**.0003**	**.0009**	**.0292**	**.0002**	**.0017**	**.0762**	**.0003**
Stddev	.0001	.0003	.0002	.0009	.0019	.0003	.0003	.0004	.0001
%RSD	23.57	52.56	66.33	96.57	6.531	139.2	18.93	.5246	23.78
#1	.0005	-.0003	.0004	.0015	.0279	.0004	.0014	.0765	.0002
#2	.0007	-.0008	.0002	.0003	.0306	.0000	.0019	.0759	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0004**	**.0008**	**.0005**	**-.0002**	**.0006**	**.0052**	**-.0004**
Stddev	.0000	.0000	.0004	.0002	.0001	.0001	.0007
%RSD	6.340	4.707	72.37	82.82	10.76	2.866	191.9
#1	.0005	.0007	.0003	-.0004	.0007	.0053	.0001
#2	.0004	.0008	.0008	-.0001	.0006	.0051	-.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4182.7**	**109680.**	**8419.4**
Stddev	6.8	510.	107.9
%RSD	.16353	.46532	1.2820
#1	4187.6	109320.	8343.1
#2	4177.9	110040.	8495.7

Zoom In Zoom Out

Sample Name: JB53212-3 Acquired: 12/12/2013 14:38:11 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 50X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0142	.6313	-.0075	-.0140	.2273	.1544	-.0003	167.3	.0010
Stddev	.0032	.4255	.0334	.0011	.0063	.0138	.0005	.7	.0030
%RSD	22.53	67.40	446.9	7.791	2.766	8.929	180.1	.4076	299.2
#1	.0119	.9322	-.0311	-.0132	.2318	.1446	.0001	166.8	.0031
#2	.0164	.3304	.0161	-.0148	.2229	.1641	-.0006	167.8	-.0011

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0003	-.0112	-.0149	1.466	66.34	42.10	.1819	.0106	2742.
Stddev	.0053	.0072	.0036	.051	.79	.42	.0007	.0048	7.
%RSD	1684.	64.44	23.90	3.487	1.198	.9997	.3709	45.21	.2402
#1	-.0041	-.0061	-.0174	1.430	66.90	41.80	.1823	.0072	2737.
#2	.0035	-.0163	-.0124	1.502	65.78	42.40	.1814	.0140	2747.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0077	-.0084	.0140	.1348	9.817	.0025	.0227	12.39	.0062
Stddev	.0030	.0499	.0048	.1676	.123	.0194	.0022	.04	.0083
%RSD	38.72	594.9	34.52	124.3	1.254	767.9	9.686	.3589	135.5
#1	.0098	-.0437	.0174	.2534	9.905	-.0112	.0211	12.43	.0121
#2	.0056	.0269	.0106	.0163	9.730	.0162	.0242	12.36	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	2.663	.0119	-.0136	.0084	.0601	.0227	-.0649
Stddev	.002	.0132	.0070	.0013	.0398	.0053	.0136
%RSD	.0564	111.1	51.45	15.18	66.26	23.38	20.99
#1	2.664	.0025	-.0186	.0075	.0320	.0265	-.0553
#2	2.662	.0212	-.0087	.0093	.0883	.0190	-.0745

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4139.4	109560.	8258.3
Stddev	5.5	810.	41.3
%RSD	.13208	.73964	.49973
#1	4135.6	108990.	8287.5
#2	4143.3	110130.	8229.2

Zoom In Zoom Out

Sample Name: JB53212-4 Acquired: 12/12/2013 14:43:07 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 50X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0032	5.832	-.0040	.0585	3.088	.1507	.0006	72.64	.0014
Stddev	.0221	1.448	.0037	.0048	.042	.0083	.0003	.88	.0014
%RSD	689.5	24.83	93.73	8.147	1.348	5.490	51.38	1.211	97.65
#1	.0124	6.856	-.0066	.0619	3.117	.1449	.0008	73.26	.0024
#2	-.0188	4.808	-.0013	.0551	3.059	.1566	.0004	72.02	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0009	.0018	-.0092	9.080	99.53	144.6	.1439	.0101	2556.
Stddev	.0066	.0021	.0073	.192	1.21	.5	.0027	.0025	13.
%RSD	723.1	118.1	79.41	2.115	1.218	.3747	1.858	24.59	.5074
#1	-.0037	.0033	-.0143	8.944	100.4	145.0	.1458	.0118	2566.
#2	.0055	.0003	-.0040	9.215	98.67	144.2	.1420	.0083	2547.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0157	.0130	.0124	.0462	51.48	.0201	.0029	30.73	-.0015
Stddev	.0080	.0213	.0313	.0851	.77	.0103	.0417	.55	.0011
%RSD	51.16	164.2	252.5	184.1	1.491	51.25	1421.	1.783	74.11
#1	.0100	-.0021	-.0098	-.0140	52.02	.0273	.0324	31.12	-.0023
#2	.0213	.0281	.0346	.1064	50.93	.0128	-.0265	30.34	-.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.9701	.2684	-.0002	.0006	-.1111	.0637	-.1696
Stddev	.0121	.0020	.0215	.0116	.2214	.0066	.0106
%RSD	1.248	.7400	8848.	2023.	199.3	10.36	6.241
#1	.9787	.2698	-.0154	-.0076	.0455	.0590	-.1621
#2	.9615	.2670	.0149	.0088	-.2677	.0684	-.1771

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4148.4	109300.	8212.4
Stddev	60.0	27.	55.1
%RSD	1.4462	.02435	.67035
#1	4105.9	109280.	8173.4
#2	4190.8	109320.	8251.3

Zoom In Zoom Out

Sample Name: JB53441-12 Acquired: 12/12/2013 14:48:01 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0019	.0787	-.0042	.0004	.6851	.0031	-.0004	56.44	.0004
Stddev	.0020	.0013	.0014	.0022	.0025	.0002	.0001	.03	.0001
%RSD	106.5	1.625	32.45	617.2	.3595	6.930	37.34	.0481	34.78
#1	.0005	.0778	-.0052	.0019	.6833	.0032	-.0005	56.46	.0003
#2	.0032	.0796	-.0033	-.0012	.6868	.0029	-.0003	56.42	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0002	.0006	-.0025	.0470	35.09	38.16	.0343	.0001	351.8
Stddev	.0002	.0005	.0002	.0039	.14	.08	.0002	.0002	2.0
%RSD	67.80	81.52	6.005	8.324	.3855	.1985	.4933	262.4	.5766
#1	-.0004	.0003	-.0026	.0443	35.00	38.21	.0342	.0002	350.4
#2	-.0001	.0010	-.0024	.0498	35.19	38.11	.0344	-.0001	353.3

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0003	-.0007	-.0035	.0098	4.797	.0017	.0035	21.55	.0001
Stddev	.0002	.0005	.0096	.0003	.006	.0051	.0012	.01	.0003
%RSD	64.96	80.19	269.9	3.393	.1223	290.9	35.60	.0400	548.8
#1	-.0004	-.0011	.0032	.0100	4.793	.0053	.0026	21.55	.0002
#2	-.0002	-.0003	-.0103	.0096	4.802	-.0018	.0043	21.56	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4266	.0080	-.0019	.0018	-.0031	.0033	-.1179
Stddev	.0005	.0008	.0027	.0016	.0134	.0001	.0031
%RSD	.1124	10.34	146.0	91.13	438.5	3.970	2.597
#1	.4269	.0086	.0001	.0006	-.0125	.0032	-.1201
#2	.4262	.0074	-.0038	.0029	.0064	.0034	-.1157

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4104.3	108360.	8248.6
Stddev	9.3	530.	1.7
%RSD	.22685	.48885	.02072
#1	4110.8	108730.	8247.4
#2	4097.7	107980.	8249.8

Zoom In Zoom Out

Sample Name: MC26964-11 Acquired: 12/12/2013 14:52:56 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0012	8.691	.0055	-.0014	.0752	.1005	.0003	117.8	.0004
Stddev	.0004	.106	.0006	.0002	.0005	.0006	.0000	.5	.0001
%RSD	35.30	1.218	10.75	17.45	.7018	.6251	6.558	.4583	14.61
#1	.0009	8.766	.0051	-.0012	.0748	.1010	.0002	118.2	.0004
#2	.0015	8.616	.0059	-.0016	.0755	.1001	.0003	117.4	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0419	.0182	.0190	6.827	12.90	13.42	1.071	.1012	120.4
Stddev	.0001	.0001	.0003	.042	.01	.01	.003	.0003	.3
%RSD	.2050	.4754	1.397	.6177	.1138	.0514	.2874	.2474	.2645
#1	.0420	.0182	.0192	6.856	12.91	13.42	1.073	.1014	120.6
#2	.0418	.0181	.0188	6.797	12.89	13.43	1.069	.1011	120.2

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4081	.0436	-.0046	-.0044	F 80.56	.0035	.0018	33.99	.0001
Stddev	.0017	.0001	.0002	.0003	.29	.0004	.0012	.24	.0004
%RSD	.4246	.3202	4.517	6.055	.3661	10.49	67.78	.7180	367.9
#1	.4093	.0435	-.0047	-.0042	80.76	.0037	.0027	34.16	-.0002
#2	.4069	.0437	-.0045	-.0046	80.35	.0032	.0010	33.82	.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4590	.4176	-.0010	.0133	.0258	.0716	-.1739
Stddev	.0020	.0149	.0003	.0005	.0020	.0001	.0046
%RSD	.4312	3.576	31.23	3.415	7.640	.1472	2.639
#1	.4604	.4281	-.0012	.0136	.0244	.0717	-.1771
#2	.4576	.4070	-.0008	.0130	.0272	.0715	-.1706

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4054.1	107970.	8349.3
Stddev	17.1	240.	50.3
%RSD	.42238	.22225	.60193
#1	4042.0	107800.	8313.8
#2	4066.2	108140.	8384.8

Zoom In Zoom Out

Sample Name: JB53303-3 Acquired: 12/12/2013 14:57:46 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**.1422**	**.0004**	**-.0022**	**.2172**	**.9439**	**.0002**	**136.4**	**.0000**
Stddev	.0003	.0289	.0007	.0009	.0022	.0004	.0001	.4	.0000
%RSD	81.29	20.35	175.4	41.92	1.017	.0470	29.67	.2997	178.3
#1	.0005	.1626	-.0001	-.0029	.2157	.9442	.0002	136.7	.0000
#2	.0001	.1217	.0009	-.0016	.2188	.9436	.0001	136.1	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0004**	**.0005**	**.0004**	**30.67**	**5.832**	**59.31**	**2.017**	**.0001**	F **396.7**
Stddev	.0000	.0003	.0000	.03	.021	.41	.004	.0000	2.8
%RSD	2.220	56.35	5.831	.1009	.3594	.6988	.1760	11.69	.7161
#1	-.0004	.0003	.0004	30.69	5.847	59.60	2.014	.0001	398.7
#2	-.0004	.0007	.0004	30.65	5.817	59.02	2.019	.0001	394.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0003**	**-.0010**	**-.0044**	**-.0086**	**15.45**	**-.0002**	**.0016**	**11.00**	**.0003**
Stddev	.0002	.0004	.0004	.0020	.16	.0006	.0002	.12	.0002
%RSD	54.32	46.34	8.387	23.77	1.062	337.9	10.61	1.065	56.22
#1	-.0004	-.0006	-.0041	-.0101	15.34	-.0006	.0017	10.92	.0004
#2	-.0002	-.0013	-.0046	-.0072	15.57	.0003	.0014	11.08	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.8660**	**.0020**	**-.0010**	**.0010**	**.0061**	**.6619**	**-.0583**
Stddev	.0008	.0000	.0001	.0002	.0010	.0057	.0004
%RSD	.0872	.9255	6.172	16.90	16.67	.8579	.6424
#1	.8654	.0020	-.0011	.0009	.0054	.6579	-.0581
#2	.8665	.0020	-.0010	.0011	.0068	.6659	-.0586

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3848.0**	**103340.**	**8209.2**
Stddev	21.6	241.	85.5
%RSD	.56074	.23343	1.0409
#1	3863.2	103510.	8148.8
#2	3832.7	103170.	8269.7

Zoom In Zoom Out

Sample Name: JB53303-3F Acquired: 12/12/2013 15:02:44 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0005**	**.1216**	**.0003**	**-.0019**	**.2078**	**.8370**	**.0001**	**131.8**	**.0001**
Stddev	.0000	.0246	.0008	.0009	.0005	.0006	.0000	.3	.0000
%RSD	9.512	20.23	255.2	47.99	.2270	.0709	25.22	.2323	14.62
#1	.0004	.1042	.0009	-.0012	.2081	.8365	.0001	132.0	.0001
#2	.0005	.1390	-.0003	-.0025	.2075	.8374	.0002	131.6	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0004**	**.0000**	**-.0002**	**16.96**	**5.767**	**57.78**	**1.938**	**.0001**	F **388.0**
Stddev	.0001	.0003	.0000	.06	.042	.32	.001	.0000	.2
%RSD	19.47	2006.	7.033	.3616	.7264	.5605	.0732	6.036	.0552
#1	-.0005	.0002	-.0002	17.01	5.797	58.01	1.939	.0001	388.2
#2	-.0004	-.0002	-.0002	16.92	5.737	57.55	1.936	.0001	387.9

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0002**	**-.0006**	**-.0057**	**-.0082**	**13.04**	**.0007**	**.0023**	**9.971**	**.0003**
Stddev	.0000	.0005	.0000	.0018	.01	.0003	.0002	.011	.0003
%RSD	28.51	90.85	.8600	22.19	.1151	41.68	9.108	.1107	103.6
#1	-.0001	-.0002	-.0058	-.0069	13.05	.0005	.0022	9.978	.0001
#2	-.0002	-.0010	-.0057	-.0095	13.03	.0010	.0025	9.963	.0005

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.8335**	**.0013**	**-.0014**	**-.0001**	**.0017**	**.0380**	**-.0532**
Stddev	.0003	.0002	.0004	.0001	.0019	.0002	.0000
%RSD	.0347	12.14	30.36	63.49	112.2	.4052	.0592
#1	.8333	.0014	-.0011	-.0001	.0030	.0379	-.0532
#2	.8337	.0012	-.0017	-.0001	.0003	.0382	-.0533

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3853.2**	**102670.**	**8074.9**
Stddev	4.1	232.	53.0
%RSD	.10585	.22615	.65602
#1	3850.3	102500.	8037.4
#2	3856.0	102830.	8112.3

Zoom In Zoom Out

Sample Name: JB53441-5 Acquired: 12/12/2013 15:07:41 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 50X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0017**	**.8532**	**-.0208**	**-.0213**	**1.963**	**.0421**	**-.0015**	**81.56**	**.0028**
Stddev	.0021	.5949	.0051	.0139	.032	.0043	.0015	.39	.0003
%RSD	118.6	69.73	24.75	65.26	1.632	10.13	95.35	.4747	9.316
#1	.0032	1.274	-.0244	-.0115	1.985	.0451	-.0005	81.29	.0029
#2	.0003	.4325	-.0171	-.0311	1.940	.0391	-.0025	81.84	.0026

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0025**	**-.0126**	**-.0196**	**6.562**	**86.51**	**170.2**	**.2431**	**.0044**	**2477.**
Stddev	.0011	.0098	.0064	.052	1.42	5.1	.0024	.0046	6.
%RSD	41.91	77.81	32.61	.7958	1.641	3.010	.9788	104.8	.2462
#1	-.0033	-.0196	-.0242	6.525	87.51	166.6	.2448	.0077	2482.
#2	-.0018	-.0057	-.0151	6.599	85.50	173.8	.2414	.0011	2473.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0127**	**-.0238**	**-.0265**	**-.1371**	**102.2**	**-.0164**	**.0771**	**15.37**	**.0190**
Stddev	.0026	.0106	.0575	.0701	1.9	.0028	.0101	.27	.0011
%RSD	20.44	44.51	216.5	51.13	1.826	16.82	13.04	1.782	5.968
#1	.0109	-.0163	-.0672	-.0876	103.5	-.0184	.0700	15.56	.0182
#2	.0146	-.0312	.0141	-.1867	100.8	-.0145	.0842	15.17	.0198

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.047**	**.0009**	**.0210**	**-.0184**	**.0796**	**.1137**	**-.0942**
Stddev	.001	.0122	.0126	.0050	.0243	.0044	.0049
%RSD	.0543	1379.	60.25	27.40	30.50	3.900	5.247
#1	1.047	-.0077	.0299	-.0220	.0967	.1168	-.0907
#2	1.047	.0095	.0120	-.0148	.0624	.1106	-.0977

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4135.2**	**110490.**	**8207.2**
Stddev	59.5	246.	91.3
%RSD	1.4391	.22297	1.1124
#1	4093.1	110660.	8271.8
#2	4177.3	110310.	8142.7

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 15:12:36 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2565**	**10.01**	**1.967**	**-.0010**	**1.973**	**1.931**	**1.944**	**10.05**	**2.029**
Stddev	.0108	.21	.013	.0001	.012	.035	.032	.17	.011
%RSD	4.194	2.074	.6651	9.677	.5834	1.819	1.666	1.693	.5496
#1	.2489	10.16	1.976	-.0011	1.981	1.956	1.967	10.17	2.037
#2	.2641	9.867	1.958	-.0010	1.964	1.907	1.921	9.929	2.021

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.088**	**2.015**	**1.944**	**10.10**	**10.07**	**9.906**	**2.037**	**2.001**	**10.25**
Stddev	.010	.105	.088	.18	.18	.205	.100	.005	.15
%RSD	.4589	5.214	4.505	1.767	1.762	2.074	4.913	.2358	1.444
#1	2.094	1.941	1.882	10.23	10.19	10.05	1.966	2.005	10.35
#2	2.081	2.090	2.006	9.976	9.940	9.761	2.108	1.998	10.14

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.946**	**1.950**	**.0017**	**-.0090**	**-.0005**	**1.992**	**2.010**	**.0508**	**1.991**
Stddev	.009	.012	.0001	.0038	.0031	.017	.008	.0077	.009
%RSD	.4598	.6193	7.585	41.84	640.4	.8460	.3917	15.15	.4795
#1	1.952	1.958	.0016	-.0064	-.0027	2.004	2.016	.0563	1.998
#2	1.939	1.941	.0017	-.0117	.0017	1.980	2.004	.0454	1.984

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.979**	**2.018**	**1.959**	**2.015**	**-.0032**	**2.010**	**-.0064**
Stddev	.035	.098	.007	.098	.0042	.009	.0017
%RSD	1.760	4.835	.3790	4.882	131.4	.4612	26.88
#1	2.004	1.949	1.964	1.945	-.0061	2.016	-.0076
#2	1.955	2.087	1.954	2.084	-.0002	2.003	-.0051

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4172.1**	**108020.**	**8275.9**
Stddev	14.1	4360.	169.1
%RSD	.33894	4.0364	2.0435
#1	4162.1	111110.	8156.3
#2	4182.1	104940.	8395.5

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 15:18:45 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2545**	**9.981**	**1.946**	**-.0017**	**1.948**	**1.933**	**1.943**	**9.996**	**2.003**
Stddev	.0031	.063	.031	.0000	.037	.007	.014	.042	.039
%RSD	1.232	.6308	1.588	.4176	1.907	.3593	.7373	.4203	1.922
#1	.2567	10.03	1.924	-.0017	1.922	1.938	1.953	10.03	1.976
#2	.2523	9.936	1.967	-.0017	1.975	1.928	1.933	9.966	2.031

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.062**	**2.009**	**1.926**	**10.07**	**9.984**	**9.908**	**2.028**	**1.979**	**10.18**
Stddev	.039	.021	.007	.02	.014	.092	.012	.041	.04
%RSD	1.881	1.057	.3433	.1668	.1389	.9297	.5724	2.091	.4350
#1	2.034	2.025	1.931	10.08	9.994	9.973	2.036	1.950	10.21
#2	2.089	1.994	1.922	10.06	9.974	9.843	2.019	2.008	10.15

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.926**	**1.926**	**.0019**	**-.0070**	**-.0038**	**1.972**	**1.986**	**.0620**	**1.958**
Stddev	.036	.034	.0001	.0024	.0022	.038	.036	.0024	.040
%RSD	1.853	1.781	3.200	34.88	57.08	1.934	1.829	3.910	2.029
#1	1.901	1.901	.0019	-.0087	-.0023	1.945	1.961	.0602	1.930
#2	1.951	1.950	.0018	-.0053	-.0053	1.999	2.012	.0637	1.986

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.974**	**1.999**	**1.938**	**1.999**	**-.0067**	**1.982**	**-.0072**
Stddev	.014	.019	.034	.014	.0009	.039	.0004
%RSD	.7307	.9357	1.745	.7048	14.05	1.940	5.969
#1	1.985	2.012	1.914	2.009	-.0060	1.955	-.0069
#2	1.964	1.986	1.962	1.989	-.0074	2.009	-.0075

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4188.9**	**107560.**	**8206.9**
Stddev	64.8	682.	18.6
%RSD	1.5473	.63451	.22724
#1	4234.7	107070.	8220.1
#2	4143.0	108040.	8193.7

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 15:26:21 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.0037**	**-.0001**	**-.0003**	**.0011**	**.0002**	**.0000**	**.0000**	**.0001**
Stddev	.0003	.0060	.0004	.0002	.0002	.0002	.0001	.0003	.0000
%RSD	94.99	159.8	309.0	53.16	16.53	72.71	254.1	23820.	4.759
#1	.0001	.0079	.0002	-.0004	.0013	.0001	.0000	-.0002	.0001
#2	.0006	-.0005	-.0004	-.0002	.0010	.0004	.0001	.0002	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**-.0002**	**-.0001**	**.0009**	**.0598**	**.0153**	**.0000**	**.0016**	**.1559**
Stddev	.0000	.0000	.0000	.0014	.0385	.0154	.000	.0002	.0181
%RSD	1254.	27.13	35.46	164.9	64.46	100.2	246.4	13.56	11.62
#1	.0000	-.0001	-.0001	-.0001	.0325	.0045	.0000	.0018	.1431
#2	.0000	-.0002	-.0001	.0018	.0870	.0262	.0000	.0015	.1687

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0002**	**-.0003**	**.0003**	**.0001**	**-.0005**	**.0005**	**.0012**	**.0083**	**.0006**
Stddev	.0001	.0001	.0014	.0012	.0000	.0004	.0006	.0004	.0001
%RSD	29.48	17.50	519.2	1020.	.9055	69.34	46.76	4.537	8.459
#1	.0001	-.0003	.0013	-.0008	-.0005	.0003	.0008	.0081	.0006
#2	.0002	-.0004	-.0007	.0010	-.0005	.0008	.0016	.0086	.0006

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0002**	**.0007**	**.0000**	**-.0017**	**.0001**	**-.0004**
Stddev	.0000	.0000	.0001	.000	.0048	.0000	.0004
%RSD	180.3	7.803	18.49	1156.	284.8	21.42	103.5
#1	.0000	.0002	.0006	-.0002	-.0051	.0001	-.0006
#2	.0000	.0003	.0008	.0002	.0017	.0001	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4162.1**	**109630.**	**8168.2**
Stddev	1.9	344.	62.5
%RSD	.04515	.31335	.76576
#1	4160.8	109870.	8212.4
#2	4163.5	109390.	8123.9

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 15:31:19 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**.0027**	**.0030**	**-.0001**	**.0007**	**.0001**	**.0000**	**.0014**	**.0002**
Stddev	.0001	.0026	.0003	.0001	.0002	.0002	.0001	.0008	.0001
%RSD	20.81	95.85	11.38	95.00	32.22	198.6	182.4	59.95	30.09
#1	.0003	.0045	.0028	-.0002	.0008	.0002	.0000	.0008	.0002
#2	.0002	.0009	.0033	.0000	.0005	.0000	.0001	.0019	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0056**	**-.0003**	**-.0018**	**.0490**	**.0162**	**.0000**	**.0013**	**.1749**
Stddev	.000	.0003	.0000	.0014	.0160	.0192	.0000	.0000	.0027
%RSD	748.3	6.026	17.04	79.78	32.66	118.5	19.29	3.564	1.524
#1	.0000	.0058	-.0003	-.0008	.0377	.0026	.0000	.0013	.1730
#2	.0000	.0054	-.0002	-.0028	.0604	.0298	.0000	.0013	.1768

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0032**	**.0030**	**.0012**	**.0003**	**.0003**	**.0006**	**.0011**	**.0114**	**.0005**
Stddev	.0000	.0007	.0004	.0039	.0027	.0007	.0004	.0005	.0000
%RSD	.8339	22.52	38.64	1200.	819.7	106.2	33.65	4.818	8.899
#1	.0032	.0035	.0008	.0031	-.0016	.0002	.0014	.0118	.0004
#2	.0032	.0026	.0015	-.0024	.0022	.0011	.0009	.0110	.0005

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0003**	**.0025**	**-.0002**	**.0014**	**.0004**	**-.0002**
Stddev	.0000	.0001	.0001	.0005	.0010	.0000	.0001
%RSD	14.26	31.26	2.167	239.9	73.16	1.145	58.69
#1	.0000	.0002	.0024	-.0005	.0021	.0004	-.0003
#2	.0000	.0004	.0025	.0001	.0007	.0004	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4126.2**	**109640.**	**8307.1**
Stddev	.1	131.	29.3
%RSD	.00230	.11915	.35212
#1	4126.2	109730.	8327.7
#2	4126.3	109550.	8286.4

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 15:36:35 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0026**	**-.0009**	**-.0006**	**-.0001**	**.0008**	**.0206**	**.0011**	**.0078**	**.0000**
Stddev	.0000	.0096	.0003	.0010	.0002	.0002	.0001	.0008	.0000
%RSD	.3072	1012.	58.21	1090.	31.40	.8088	13.57	9.770	44.39
#1	.0026	.0058	-.0008	.0006	.0006	.0207	.0010	.0072	.0001
#2	.0026	-.0077	-.0003	-.0008	.0009	.0205	.0012	.0083	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**-.0004**	**.0095**	**-.0031**	**.0321**	**.0291**	**.0000**	**.0005**	**.1583**
Stddev	.0000	.0001	.0002	.0009	.0150	.0183	.0000	.0000	.0068
%RSD	580.9	16.80	1.984	27.97	46.85	63.08	110.4	8.612	4.273
#1	.0000	-.0005	.0097	-.0037	.0214	.0161	.0000	.0006	.1535
#2	.0000	-.0004	.0094	-.0025	.0427	.0420	.0000	.0005	.1631

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0107**	**.0001**	**.0008**	**.0011**	**-.0005**	**-.0001**	**.0013**	**.0142**	**.0005**
Stddev	.0000	.0001	.0003	.0001	.0021	.0001	.0001	.0002	.0002
%RSD	.1484	187.0	40.05	11.57	455.0	200.9	10.72	1.185	96.75
#1	.0107	.0001	.0006	.0010	.0010	-.0002	.0014	.0144	.0008
#2	.0107	.0000	.0010	.0012	-.0019	.0000	.0012	.0141	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0002**	**-.0002**	**-.0007**	**-.0012**	**.0012**	**-.0003**
Stddev	.000	.0002	.0002	.0001	.0010	.0001	.0001
%RSD	58.91	91.05	142.4	19.55	83.60	7.555	33.24
#1	.0000	.0001	-.0003	-.0006	-.0020	.0011	-.0003
#2	.0000	.0003	.0000	-.0008	-.0005	.0013	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4125.6**	**109800.**	**8262.5**
Stddev	2.0	572.	6.1
%RSD	.04759	.52078	.07380
#1	4126.9	109400.	8258.2
#2	4124.2	110210.	8266.8

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 15:41:32 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0052**	**.2160**	**.0034**	**.0000**	**.1002**	**.0478**	**.0040**	**4.942**	**.0043**
Stddev	.0003	.0056	.0012	.000	.0013	.0006	.0001	.098	.0000
%RSD	5.428	2.605	36.56	635.0	1.278	1.291	2.335	1.988	.6171
#1	.0050	.2121	.0043	.0001	.0993	.0474	.0039	4.872	.0044
#2	.0054	.2200	.0025	-.0002	.1011	.0483	.0040	5.011	.0043

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0527**	**.0099**	**.0234**	**.0972**	**4.967**	**4.971**	**.0155**	**.1017**	**5.172**
Stddev	.0008	.0001	.0003	.0048	.091	.090	.0000	.0017	.101
%RSD	1.515	1.504	1.167	4.917	1.836	1.816	.1181	1.660	1.960
#1	.0521	.0100	.0236	.0938	4.902	4.907	.0155	.1005	5.100
#2	.0532	.0098	.0232	.1006	5.031	5.034	.0155	.1029	5.243

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0404**	**.0050**	**-.0001**	**.0023**	**-.0028**	**.0067**	**.0112**	**.0262**	**.0993**
Stddev	.0005	.0002	.0011	.0031	.0014	.0005	.0012	.0003	.0011
%RSD	1.342	4.302	982.1	137.2	50.07	6.775	10.79	1.227	1.119
#1	.0400	.0051	.0007	.0045	-.0038	.0064	.0104	.0260	.0985
#2	.0408	.0048	-.0009	.0001	-.0018	.0070	.0121	.0265	.1001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0097**	**.0507**	**.0051**	**.0096**	**.0017**	**.0213**	**.0001**
Stddev	.0001	.0004	.0001	.0000	.0013	.0002	.0003
%RSD	1.108	.7869	1.163	.4025	80.00	1.103	504.4
#1	.0096	.0504	.0050	.0096	.0007	.0211	-.0002
#2	.0097	.0510	.0051	.0096	.0026	.0215	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4192.9**	**108890.**	**8268.5**
Stddev	48.2	467.	123.8
%RSD	1.1505	.42918	1.4969
#1	4227.0	109220.	8356.0
#2	4158.8	108560.	8180.9

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/12/2013 15:46:25 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0001**	**541.3**	**.0001**	**-.0072**	**.0013**	**.0001**	**.0001**	**459.9**	**.0000**
Stddev	.0002	2.3	.0009	.0013	.0002	.0000	.0001	7.1	.0002
%RSD	125.2	.4279	789.6	17.81	17.05	18.13	69.94	1.540	790.3
#1	.0000	539.6	-.0005	-.0081	.0011	.0001	.0000	454.9	.0001
#2	.0003	542.9	.0007	-.0063	.0015	.0002	.0001	464.9	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**-.0005**	**.0010**	**191.9**	**.1076**	**511.0**	**-.0004**	**-.0026**	**.2045**
Stddev	.0002	.0002	.0004	1.6	.0050	5.0	.0001	.0002	.0063
%RSD	89.75	42.47	43.54	.8178	4.611	.9802	16.49	8.131	3.071
#1	.0001	-.0007	.0007	190.7	.1111	507.4	-.0004	-.0024	.2089
#2	.0003	-.0004	.0013	193.0	.1041	514.5	-.0003	-.0027	.2000

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0022**	**.0015**	**-.0028**	**-.0012**	**.0964**	**.0003**	**.0005**	**.0413**	**-.0017**
Stddev	.0001	.0006	.0002	.0018	.0043	.0002	.0019	.0009	.0004
%RSD	4.454	40.40	7.628	154.7	4.408	46.42	363.9	2.259	23.59
#1	-.0022	.0010	-.0027	-.0025	.0934	.0005	-.0008	.0406	-.0020
#2	-.0023	.0019	-.0030	.0001	.0994	.0002	.0019	.0419	-.0015

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0079**	**.0058**	**-.0009**	**-.0003**	**-.0120**	**.0007**	**.0027**
Stddev	.0002	.0003	.0001	.0005	.0045	.0001	.0001
%RSD	1.981	5.012	12.09	174.8	37.73	13.87	5.119
#1	-.0078	.0056	-.0010	-.0007	-.0152	.0007	.0026
#2	-.0080	.0060	-.0008	.0001	-.0088	.0008	.0028

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3825.8**	**100930.**	**7963.0**
Stddev	12.1	279.	33.5
%RSD	.31709	.27629	.42084
#1	3834.4	101130.	7986.7
#2	3817.2	100740.	7939.3

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/12/2013 15:51:20 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**1.045**	**538.5**	**2.087**	**.4749**	**.9576**	**.5002**	**.4591**	**453.3**	**1.017**
Stddev	.001	.5	.008	.0011	.0048	.0008	.0012	2.9	.005
%RSD	.1262	.0938	.3710	.2289	.5059	.1547	.2674	.6479	.4639
#1	1.046	538.9	2.092	.4741	.9610	.4997	.4599	455.4	1.020
#2	1.044	538.2	2.081	.4756	.9542	.5008	.4582	451.2	1.014

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4631**	**.4662**	**.4755**	**189.9**	**.1366**	**504.4**	**.4708**	**.9418**	**.1869**
Stddev	.0009	.0014	.0006	.8	.0026	2.8	.0014	.0005	.0211
%RSD	.1997	.2987	.1337	.4160	1.924	.5562	.2970	.0557	11.31
#1	.4638	.4652	.4751	190.4	.1385	506.3	.4698	.9421	.2018
#2	.4625	.4672	.4760	189.3	.1348	502.4	.4718	.9414	.1719

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.8305**	**.8534**	**.5021**	**.4800**	**.5730**	**2.021**	**2.008**	**7.446**	**.9210**
Stddev	.0019	.0010	.0013	.0049	.0008	.009	.010	.035	.0008
%RSD	.2254	.1131	.2511	1.029	.1416	.4438	.5132	.4633	.0827
#1	.8318	.8540	.5012	.4765	.5735	2.028	2.016	7.471	.9216
#2	.8292	.8527	.5030	.4835	.5724	2.015	2.001	7.422	.9205

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.9768**	**.4819**	**1.765**	**.4793**	**1.967**	**.9015**	**.3710**
Stddev	.0002	.0006	.002	.0004	.003	.0004	.0059
%RSD	.0193	.1326	.1138	.0865	.1706	.0467	1.592
#1	.9770	.4815	1.766	.4790	1.965	.9018	.3668
#2	.9767	.4824	1.764	.4796	1.969	.9012	.3752

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3823.8**	**100770.**	**8021.4**
Stddev	11.5	196.	35.0
%RSD	.30093	.19414	.43631
#1	3815.6	100910.	7996.6
#2	3831.9	100630.	8046.1

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 15:56:10 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2544**	**10.24**	**1.973**	**-.0025**	**1.975**	**1.958**	**1.972**	**10.20**	**2.025**
Stddev	.0013	.02	.004	.0015	.000	.000	.000	.03	.000
%RSD	.5140	.1688	.1965	62.86	.0061	.0164	.0152	.2827	.0087
#1	.2553	10.26	1.976	-.0035	1.975	1.959	1.972	10.18	2.025
#2	.2535	10.23	1.970	-.0014	1.975	1.958	1.972	10.22	2.025

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.086**	**1.985**	**1.920**	**10.24**	**10.13**	**10.11**	**2.011**	**1.999**	**10.30**
Stddev	.003	.021	.022	.07	.01	.02	.020	.001	.03
%RSD	.1553	1.074	1.162	.6955	.0748	.2408	1.002	.0296	.2587
#1	2.088	2.000	1.936	10.19	10.12	10.13	2.025	1.999	10.28
#2	2.084	1.970	1.904	10.29	10.13	10.10	1.996	1.998	10.32

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.952**	**1.949**	**.0021**	**-.0065**	**-.0023**	**1.995**	**2.010**	**.0303**	**1.988**
Stddev	.003	.000	.0006	.0009	.0008	.000	.001	.0006	.003
%RSD	.1599	.0169	28.63	13.48	36.80	.0108	.0484	1.960	.1492
#1	1.954	1.948	.0016	-.0059	-.0029	1.995	2.009	.0299	1.990
#2	1.950	1.949	.0025	-.0071	-.0017	1.994	2.010	.0307	1.986

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**2.014**	**1.986**	**1.961**	**1.985**	**.0068**	**2.005**	**.0454**
Stddev	.004	.022	.001	.022	.0007	.008	.0112
%RSD	.1752	1.097	.0663	1.107	9.908	.4085	24.58
#1	2.017	2.001	1.962	2.001	.0063	2.010	.0533
#2	2.012	1.970	1.960	1.970	.0072	1.999	.0375

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4173.0**	**109140.**	**8182.3**
Stddev	.3	783.	40.6
%RSD	.00659	.71727	.49631
#1	4173.1	108590.	8211.0
#2	4172.8	109690.	8153.6

Zoom In
Zoom Out

Sample Name: CCB Acquired: 12/12/2013 16:00:55 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.0026**	**.0003**	**-.0002**	**.0019**	**.0001**	**.0001**	**.0081**	**.0003**
Stddev	.0001	.0038	.0000	.0013	.0000	.0003	.0000	.0003	.0003
%RSD	30.96	148.5	3.888	829.4	.1393	267.6	3.226	4.150	87.75
#1	.0003	.0053	.0003	-.0011	.0018	-.0001	.0001	.0078	.0001
#2	.0005	-.0001	.0003	.0008	.0019	.0003	.0001	.0083	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**-.0002**	**-.0003**	**.0036**	**.0308**	**-.0138**	**.0000**	**.0034**	**.1029**
Stddev	.0001	.0001	.0003	.0020	.0233	.0118	.0000	.0007	.0027
%RSD	73.48	64.49	99.04	56.24	75.64	85.31	273.1	19.04	2.670
#1	.0001	-.0003	-.0001	.0051	.0473	-.0055	.0000	.0039	.1009
#2	.0002	-.0001	-.0005	.0022	.0143	-.0221	.0000	.0030	.1048

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0004**	**.0004**	**-.0001**	**.0037**	**-.0011**	**.0010**	**.0018**	**.0053**	**.0005**
Stddev	.0001	.0000	.0003	.0010	.0008	.0000	.0015	.0007	.0001
%RSD	33.13	8.976	235.0	26.27	70.85	1.677	87.17	13.10	27.68
#1	.0003	.0004	.0001	.0044	-.0005	.0010	.0007	.0048	.0004
#2	.0005	.0004	-.0004	.0030	-.0016	.0010	.0029	.0058	.0006

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0002**	**.0002**	**.0018**	**-.0001**	**.0051**	**.0003**	**.0005**
Stddev	.0002	.0001	.0000	.0001	.0029	.0001	.0006
%RSD	98.18	51.06	1.588	90.99	57.95	32.75	129.0
#1	.0000	.0001	.0019	-.0001	.0072	.0003	.0010
#2	.0003	.0003	.0018	-.0002	.0030	.0004	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4160.8**	**108620.**	**8254.1**
Stddev	1.1	1262.	3.5
%RSD	.02569	1.1614	.04283
#1	4160.1	107730.	8256.6
#2	4161.6	109520.	8251.6

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	0.000004	0.000000	No
			Co	0.000007	0.000000	No
			Mn	0.000117	0.000000	No
			Mo	-0.000064	0.000000	No
			Cu	0.000004	0.000000	No
			Ti	-0.000067	0.000000	No
			Al	-0.000001	0.000000	No
			Zr	0.005523	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.002154	0.000000	No
			Mo	0.032564	0.000000	No
			Ca	0.001062	0.000000	No
As 189.042 {479}	☒	10	V	0.000072	0.000000	No
			Al	-0.000002	0.000000	No
			Mo	0.000104	0.000000	No
			Fe	-0.000002	0.000000	No
			Mn	0.000051	0.000000	No
			Ca	0.000001	0.000000	No
			Mg	-0.000001	0.000000	No
			Cr	0.000311	0.000000	No
			Na	-0.000002	0.000000	No
			Co	-0.001649	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000260	0.000000	No
			Mn	0.011376	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.051849	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000009	0.000000	No
Be 313.042 {108}	☒	3	V	0.000458	0.000000	No
			Mo	-0.000020	0.000000	No
			Ti	-0.000304	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	4	Ni	-0.000027	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000031	0.000000	No
			Ca	0.000000	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000059	0.000000	No
			Mo	-0.000045	0.000000	No
			Ti	0.001924	0.000000	No
			Ca	0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000002	0.000000	No
			Mn	0.000203	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000100	0.000000	No
			V	-0.000112	0.000000	No
			Mo	0.000717	0.000000	No
			Co	-0.000511	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000600	0.000000	No
			Co	-0.000015	0.000000	No
			Cr	0.000162	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000003	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000578	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Al	0.000598	0.000000	No
Ni 231.604 {446}	☒	3	Mo	-0.000233	0.000000	No
			Fe	0.000021	0.000000	No
			Ca	-0.000000	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000079	0.000000	No
			Mn	0.000082	0.000000	No
			Mo	-0.001342	0.000000	No
			Co	-0.000001	0.000000	No
			Cu	0.000067	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	0.000035	0.000000	No
			Mg	0.000001	0.000000	No
			Ni	0.000265	0.000000	No
			Si	0.000049	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000342	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.006177	0.000000	No
			Ni	0.000902	0.000000	No
			Mn	-0.001770	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
S 182.034 {485}	☒	3	Al	-0.000108	0.000000	No
			Ca	-0.000041	0.000000	No
			Fe	-0.000134	0.000000	No
Sb 206.833 {463}	☒	11	Al	0.000004	0.000000	No
			Fe	0.000039	0.000000	No
			Cr	0.006668	0.000000	No
			Mo	-0.001026	0.000000	No
			Mg	0.000001	0.000000	No
			Ni	-0.000189	0.000000	No
			V	-0.001826	0.000000	No
			Ca	-0.000002	0.000000	No
			Ti	-0.000106	0.000000	No
			Cu	-0.000042	0.000000	No
			Sn	-0.009353	0.000000	No
Se 196.090 {472}	☒	7	Al	0.000001	0.000000	No
			Fe	-0.000313	0.000000	No
			Mn	0.000772	0.000000	No
			Mo	0.000211	0.000000	No
			Ca	-0.000005	0.000000	No
			Na	-0.000001	0.000000	No
			Co	-0.000676	0.000000	No
Si 212.412 {459}	☒	3	V	0.030413	0.000000	No
			Ti	0.006483	0.000000	No
			Mo	0.043276	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.001480	0.000000	No
			Cr	0.000243	0.000000	No
			V	-0.020701	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Co	0.005224	0.000000	No
				Al	-0.000003	0.000000	No
				Fe	0.000008	0.000000	No
				Ti	-0.000988	0.000000	No
				Mo	-0.000063	0.000000	No
				Ca	-0.000004	0.000000	No
				Na	-0.000002	0.000000	No
	V 292.402 {115}	☒	3	Ti	0.000445	0.000000	No
				Mo	-0.003162	0.000000	No
				Fe	0.000018	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000141	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000003	0.000000	No
				Mn	0.000018	0.000000	No
				Ni	0.000039	0.000000	No
				Cr	-0.000497	0.000000	No
				Mo	0.000207	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000006	0.000000	No
				Na	0.000004	0.000000	No
	Zr 339.198 { 99}	☒	5	Si	0.005567	0.000000	No
				Ti	0.000761	0.000000	No
				Fe	0.000014	0.000000	No
				Sn	0.002851	0.000000	No
				V	0.002032	0.000000	No

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 12/12/2013 17:17:35 Type: Cal
Method: Accutest -SS1 with S(v271) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0020**	**-.0016**	**-.0001**	**.0000**	**.0008**	**.0137**	**.0004**	**.0026**	**.0017**
Stddev	.0001	.0002	.0000	.0000	.0000	.0001	.0003	.0001	.0000
%RSD	2.595	10.08	28.88	3.617	5.165	1.011	80.75	3.388	1.970
#1	-.0020	-.0018	-.0001	.0000	.0008	.0136	.0002	.0026	.0017
#2	-.0020	-.0015	-.0001	.0000	.0007	.0138	.0007	.0027	.0017

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0005**	**.0000**	**.0006**	**.0005**	**-.0011**	**-.0001**	**.0003**	**-.0003**	**.0348**
Stddev	.0000	.000	.0001	.0000	.0002	.0006	.0001	.0000	.0006
%RSD	7.327	131.2	14.57	7.108	21.60	498.1	17.75	12.34	1.688
#1	-.0005	.0000	.0006	.0005	-.0013	-.0005	.0003	-.0003	.0343
#2	-.0005	.0000	.0007	.0004	-.0009	.0003	.0004	-.0003	.0352

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**-.0003**	**.0003**	**.0000**	**-.0006**	**.0005**	**.0002**	**.0084**	**-.0003**
Stddev	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0000
%RSD	16.39	11.79	14.07	68.98	6.567	19.73	49.21	1.181	13.82
#1	-.0003	-.0003	.0003	.0001	-.0007	.0004	.0002	.0083	-.0003
#2	-.0002	-.0003	.0004	.0000	-.0006	.0006	.0001	.0084	-.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0053**	**-.0003**	**-.0007**	**.0001**	**.0001**	**-.0005**	**.0106**
Stddev	.0000	.0001	.0001	.0000	.0000	.0001	.0000
%RSD	.1665	24.31	16.36	22.60	14.21	22.79	.4391
#1	.0053	-.0004	-.0008	.0001	.0001	-.0006	.0105
#2	.0053	-.0003	-.0007	.0001	.0001	-.0004	.0106

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 12/12/2013 17:17:35 Type: Cal
Method: Accutest -SS1 with S(v271) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4198.7**	**109500.**	**8313.8**
Stddev	78.8	215.	42.7
%RSD	1.8766	.19617	.51404
#1	4254.4	109660.	8283.6
#2	4143.0	109350.	8344.0

Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 12/12/2013 17:22:31 Type: Cal
Method: Accutest -SS1 with S(v271) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1301**	**.5618**	**2.207**	**14.63**	**17.41**	**10.80**	**8.654**	**.5252**	**1.637**
Stddev	.0000	.0004	.003	.32	.42	.03	.016	.0011	.000
%RSD	.0104	.0674	.1337	2.217	2.418	.3183	.1790	.2145	.0008
#1	.1301	.5620	2.205	14.86	17.70	10.78	8.643	.5244	1.637
#2	.1301	.5615	2.209	14.40	17.11	10.83	8.665	.5260	1.637

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.618**	**4.492**	**5.857**	**1.426**	**.7497**	**.3972**	**.8059**	**9.087**
Stddev	.012	.016	.001	.000	.0011	.0008	.0000	.014
%RSD	.3273	.3586	.0185	.0211	.1460	.2072	.0001	.1538
#1	3.609	4.481	5.858	1.425	.7489	.3966	.8059	9.077
#2	3.626	4.504	5.856	1.426	.7505	.3978	.8059	9.097

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4162.5**	**108060.**	**8504.1**
Stddev	.5	168.	316.2
%RSD	.01243	.15545	3.7180
#1	4162.8	107940.	8280.5
#2	4162.1	108180.	8727.7

Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 12/12/2013 17:27:25 Type: Cal
Method: Accutest -SS1 with S(v271) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.042**	**2.260**	**1.218**	**1.037**	**.1674**	**3.687**
Stddev	.003	.005	.003	.002	.0003	.002
%RSD	.2792	.2232	.2668	.1884	.1580	.0662
#1	1.040	2.257	1.220	1.036	.1672	3.686
#2	1.044	2.264	1.216	1.039	.1676	3.689

Int. Std.	Y_3710
Units	Cts/S
Avg	**8271.8**
Stddev	14.2
%RSD	.17210
#1	8281.9
#2	8261.8

Zoom In Zoom Out

Sample Name: Std4 Acquired: 12/12/2013 17:32:21 Type: Cal
Method: Accutest -SS1 with S(v271) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	S_1820	Si2124	Sn1899	Sr4077	Ti3349	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1526**	**.3146**	**.0583**	**.1496**	**1.401**	**1.722**	**32.32**	**1.370**	**.6205**
Stddev	.0005	.0001	.0001	.0004	.002	.004	4.04	.007	.0021
%RSD	.3566	.0433	.1759	.2747	.1344	.2082	12.52	.5040	.3428
#1	.1530	.3145	.0584	.1493	1.399	1.724	29.46	1.375	.6220
#2	.1522	.3147	.0582	.1499	1.402	1.719	35.18	1.366	.6190

Elem	W_2397	Zr3391
Units	Cts/S	Cts/S
Avg	**.0562**	**1.252**
Stddev	.0000	.005
%RSD	.0706	.3924
#1	.0562	1.256
#2	.0561	1.249

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4241.3**	**108660.**	**7775.6**
Stddev	14.5	41.	875.0
%RSD	.34253	.03786	11.253
#1	4231.0	108690.	8394.4
#2	4251.5	108630.	7156.9

Zoom In Zoom Out

Sample Name: ICV Acquired: 12/12/2013 17:37:12 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.4906**	**15.96**	**3.006**	**2.911**	**2.985**	**3.153**	**3.115**	**18.00**	**2.947**
Stddev	.0010	.25	.017	.015	.019	.040	.056	.31	.013
%RSD	.1943	1.595	.5550	.5024	.6247	1.274	1.788	1.705	.4289
#1	.4913	16.14	2.994	2.921	2.972	3.181	3.154	18.22	2.938
#2	.4899	15.78	3.018	2.901	2.998	3.124	3.075	17.79	2.956

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.956**	**2.975**	**2.827**	**18.21**	**15.20**	**18.48**	**2.986**	**2.848**	**15.25**
Stddev	.017	.017	.007	.33	.21	.25	.004	.025	.22
%RSD	.5723	.5722	.2415	1.834	1.393	1.346	.1401	.8657	1.473
#1	2.944	2.987	2.832	18.44	15.35	18.66	2.989	2.831	15.41
#2	2.968	2.963	2.823	17.97	15.05	18.31	2.983	2.866	15.09

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**2.844**	**2.880**	**2.982**	**2.937**	**3.011**	**2.948**	**2.975**	**3.025**	**3.147**
Stddev	.022	.020	.004	.001	.031	.015	.017	.017	.021
%RSD	.7683	.6896	.1242	.0195	1.021	.5099	.5591	.5629	.6583
#1	2.829	2.866	2.985	2.937	2.989	2.938	2.963	3.013	3.133
#2	2.860	2.894	2.980	2.938	3.033	2.959	2.987	3.037	3.162

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**2.808**	**2.954**	**2.935**	**2.905**	**2.937**	**2.909**	**3.093**
Stddev	.044	.012	.021	.010	.010	.017	.019
%RSD	1.563	.4214	.6988	.3348	.3552	.5700	.6022
#1	2.839	2.962	2.920	2.912	2.930	2.898	3.106
#2	2.777	2.945	2.949	2.898	2.944	2.921	3.079

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4152.0**	**108610.**	**8191.5**
Stddev	14.9	390.	98.4
%RSD	.35766	.35927	1.2014
#1	4162.5	108340.	8121.9
#2	4141.5	108890.	8261.1

Zoom In Zoom Out

Sample Name: ICB Acquired: 12/12/2013 17:47:00 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.0025**	**.0003**	**-.0001**	**.0007**	**-.0001**	**.0001**	**-.0010**	**.0001**
Stddev	.0000	.0031	.0000	.0008	.0004	.0000	.0000	.0042	.0001
%RSD	9.789	126.4	13.64	785.7	55.07	23.34	52.44	421.1	132.7
#1	-.0002	.0003	.0003	.0004	.0010	-.0001	.0001	.0020	.0001
#2	-.0002	.0047	.0004	-.0006	.0004	-.0002	.0000	-.0040	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0002**	**.0000**	**.0021**	**.0040**	**.0096**	**.0000**	**.0014**	**-.0410**
Stddev	.0000	.0001	.000	.0007	.0003	.0231	.0000	.0001	.0021
%RSD	6.293	57.79	2.824	35.06	7.254	241.5	43.39	8.477	5.080
#1	.0001	.0001	.0000	.0026	.0042	.0259	.0000	.0015	-.0425
#2	.0001	.0002	.0000	.0015	.0038	-.0068	.0000	.0014	-.0396

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**-.0001**	**-.0006**	**.0003**	**-.0010**	**-.0007**	**.0004**	**.0015**	**.0005**
Stddev	.0000	.0001	.0007	.0008	.0015	.0001	.0007	.0000	.0001
%RSD	28.30	153.3	122.4	234.1	157.5	8.649	172.1	2.778	24.15
#1	.0002	.0000	-.0001	.0009	-.0021	-.0008	.0010	.0015	.0006
#2	.0001	-.0001	-.0011	-.0002	.0001	-.0007	-.0001	.0014	.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0002**	**.0002**	**-.0001**	**.0076**	**.0001**	**.0002**
Stddev	.0001	.0001	.0003	.0001	.0004	.0000	.0002
%RSD	537.5	47.21	121.2	192.6	5.321	33.73	89.49
#1	.0000	.0002	.0000	.0000	.0073	.0001	.0004
#2	.0001	.0003	.0004	-.0002	.0079	.0001	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4174.3**	**109260.**	**8211.7**
Stddev	9.0	443.	59.3
%RSD	.21664	.40502	.72188
#1	4180.7	108950.	8169.8
#2	4167.9	109580.	8253.6

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 17:53:54 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2422**	**9.987**	**1.952**	**-.0021**	**1.945**	**2.042**	**2.062**	**9.978**	**1.951**
Stddev	.0001	.028	.002	.0013	.002	.004	.012	.011	.001
%RSD	.0371	.2827	.0779	59.58	.1178	.2126	.5700	.1099	.0482
#1	.2421	10.01	1.951	-.0031	1.943	2.039	2.070	9.986	1.952
#2	.2423	9.967	1.953	-.0012	1.946	2.045	2.053	9.970	1.950

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.029**	**1.913**	**1.886**	**9.931**	**9.984**	**9.964**	**1.968**	**1.943**	**9.958**
Stddev	.002	.011	.001	.061	.036	.036	.003	.006	.008
%RSD	.1019	.5808	.0348	.6147	.3568	.3623	.1533	.3236	.0799
#1	2.027	1.921	1.886	9.975	9.959	9.990	1.970	1.939	9.952
#2	2.030	1.905	1.887	9.888	10.01	9.939	1.966	1.948	9.963

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.931**	**1.919**	**.0011**	**-.0063**	**.0002**	**1.955**	**1.948**	**.0349**	**1.961**
Stddev	.004	.002	.0003	.0009	.0004	.000	.003	.0006	.004
%RSD	.2349	.0779	22.55	14.21	179.6	.0198	.1575	1.729	.1967
#1	1.928	1.918	.0013	-.0057	.0006	1.955	1.946	.0353	1.958
#2	1.934	1.920	.0009	-.0070	-.0001	1.955	1.950	.0345	1.964

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.847**	**1.923**	**1.940**	**1.923**	**-.0008**	**1.939**	**.0333**
Stddev	.009	.010	.003	.007	.0016	.005	.0072
%RSD	.4788	.5337	.1596	.3454	189.8	.2608	21.50
#1	1.854	1.930	1.938	1.928	.0003	1.935	.0384
#2	1.841	1.916	1.943	1.919	-.0019	1.943	.0283

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4198.9**	**109770.**	**8275.5**
Stddev	4.0	209.	36.4
%RSD	.09631	.19053	.43936
#1	4196.1	109620.	8301.2
#2	4201.8	109920.	8249.8

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 18:00:45 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.0009**	**.0003**	**.0005**	**.0010**	**-.0002**	**-.0001**	**.0002**	**.0000**
Stddev	.0003	.0010	.0007	.0006	.0002	.0001	.0000	.0017	.0000
%RSD	124.1	107.8	266.7	111.3	20.88	71.54	16.35	1063.	40.74
#1	-.0004	.0016	-.0002	.0009	.0009	-.0003	-.0001	.0014	.0001
#2	.0000	.0002	.0007	.0001	.0012	-.0001	-.0001	-.0011	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0000**	**-.0001**	**-.0001**	**-.0252**	**.0034**	**.0000**	**.0017**	**-.0238**
Stddev	.0001	.000	.0002	.0032	.0340	.0030	.000	.0001	.0072
%RSD	43.48	23540.	225.3	2786.	134.5	87.37	14.80	8.641	30.15
#1	.0003	-.0001	-.0003	.0022	-.0012	.0013	.0000	.0018	-.0289
#2	.0001	.0001	.0001	-.0024	-.0492	.0055	.0000	.0016	-.0187

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**-.0001**	**-.0006**	**.0012**	**.0007**	**-.0007**	**.0010**	**.0002**	**.0003**
Stddev	.0001	.0002	.0001	.0001	.0012	.0003	.0002	.0001	.0002
%RSD	86.74	450.6	23.43	12.29	184.7	39.07	19.97	48.09	68.14
#1	.0000	.0001	-.0007	.0011	-.0002	-.0009	.0011	.0001	.0005
#2	.0002	-.0002	-.0005	.0013	.0015	-.0005	.0008	.0002	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0001**	**.0007**	**-.0001**	**.0017**	**.0001**	**.0001**
Stddev	.0001	.0002	.0002	.0001	.0026	.0001	.0002
%RSD	79.96	355.7	27.11	183.0	155.0	115.4	294.3
#1	.0001	-.0001	.0008	.0000	.0035	.0000	.0003
#2	.0000	.0002	.0005	-.0001	-.0002	.0001	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4214.0**	**109020.**	**8288.0**
Stddev	9.2	84.	51.3
%RSD	.21879	.07720	.61906
#1	4207.5	109080.	8324.3
#2	4220.6	108960.	8251.7

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 18:05:41 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.0009**	**.0029**	**.0002**	**.0009**	**-.0002**	**-.0001**	**.0007**	**.0000**
Stddev	.000	.0046	.0008	.0001	.0001	.0001	.0000	.0054	.0001
%RSD	208.5	491.7	26.05	35.27	14.37	62.53	74.01	754.5	253.1
#1	.0000	-.0023	.0023	.0001	.0008	-.0001	-.0001	.0046	.0001
#2	-.0001	.0042	.0034	.0002	.0010	-.0002	.0000	-.0031	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0055**	**-.0003**	**.0000**	**-.0317**	**.0008**	**-.0001**	**.0009**	**-.0441**
Stddev	.0000	.0001	.0002	.002	.0512	.0047	.0000	.0000	.0200
%RSD	.2915	2.265	76.83	6785.	161.3	591.4	32.02	.3811	45.22
#1	.0001	.0054	-.0005	-.0016	.0045	.0041	-.0001	.0009	-.0300
#2	.0001	.0056	-.0001	.0015	-.0679	-.0025	.0000	.0009	-.0583

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0002**	**.0033**	**-.0004**	**.0001**	**-.0005**	**-.0004**	**.0002**	**.0027**	**.0003**
Stddev	.0000	.0011	.0004	.0032	.0003	.0003	.0006	.0001	.0001
%RSD	20.42	32.92	107.9	5667.	61.07	64.03	341.6	4.292	37.32
#1	.0002	.0026	-.0001	.0023	-.0003	-.0002	-.0002	.0027	.0002
#2	.0003	.0041	-.0006	-.0022	-.0007	-.0006	.0006	.0026	.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0003**	**.0019**	**-.0001**	**.0010**	**.0000**	**.0002**
Stddev	.0001	.0002	.0002	.0004	.0031	.000	.0004
%RSD	166.3	57.58	11.04	448.3	315.9	118.4	254.0
#1	.0002	.0002	.0020	-.0004	-.0012	.0000	-.0001
#2	.0000	.0004	.0017	.0002	.0032	-.0001	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4163.7**	**108760.**	**8245.0**
Stddev	40.8	644.	43.3
%RSD	.98029	.59235	.52497
#1	4192.6	109220.	8275.6
#2	4134.9	108310.	8214.4

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 18:10:37 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0022**	**.0050**	**.0015**	**-.0002**	**.0008**	**.0211**	**.0011**	**-.0017**	**.0000**
Stddev	.0002	.0113	.0006	.0006	.0000	.0001	.0000	.0047	.000
%RSD	8.124	225.1	41.23	289.1	1.507	.6418	.6963	275.7	249.6
#1	.0023	.0130	.0011	-.0006	.0008	.0210	.0011	.0016	-.0001
#2	.0021	-.0030	.0019	.0002	.0008	.0212	.0011	-.0050	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0011**	**.0102**	**-.0014**	**-.0217**	**.0220**	**-.0001**	**.0006**	**-.0534**
Stddev	.0000	.0000	.0003	.0025	.0163	.0080	.0000	.0000	.0033
%RSD	58.00	3.845	2.535	186.4	75.05	36.52	11.15	7.634	6.103
#1	.0001	.0010	.0103	-.0032	-.0102	.0163	.0000	.0006	-.0557
#2	.0000	.0011	.0100	.0004	-.0333	.0277	-.0001	.0006	-.0511

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0106**	**.0008**	**-.0004**	**.0006**	**.0010**	**.0026**	**.0054**	**.0040**	**.0006**
Stddev	.0001	.0003	.0002	.0025	.0004	.0000	.0001	.0000	.0001
%RSD	1.119	35.63	48.70	393.3	40.13	1.024	2.591	.2754	25.28
#1	.0107	.0006	-.0005	.0024	.0007	.0026	.0055	.0040	.0005
#2	.0106	.0011	-.0002	-.0011	.0013	.0026	.0053	.0040	.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0045**	**.0002**	**.0004**	**.0033**	**.0006**	**-.0002**
Stddev	.0000	.0001	.0001	.0002	.0035	.0003	.0001
%RSD	12.25	2.276	41.02	36.29	107.1	56.77	53.16
#1	.0000	.0046	.0002	.0003	.0058	.0008	-.0003
#2	.0000	.0045	.0001	.0005	.0008	.0003	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4182.2**	**109260.**	**8383.4**
Stddev	12.9	264.	18.6
%RSD	.30824	.24142	.22136
#1	4173.1	109440.	8370.3
#2	4191.3	109070.	8396.5

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 18:15:33 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0051**	**.2124**	**.0041**	**.0001**	**.1000**	**.0511**	**.0041**	**4.931**	**.0041**
Stddev	.0003	.0009	.0006	.0003	.0002	.0001	.0001	.011	.0000
%RSD	6.737	.4310	15.05	231.4	.1544	.2793	2.008	.2147	.9912
#1	.0053	.2131	.0045	.0003	.0999	.0510	.0040	4.939	.0041
#2	.0049	.2118	.0036	-.0001	.1001	.0512	.0042	4.924	.0042

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0521**	**.0102**	**.0231**	**.1012**	**4.978**	**4.886**	**.0153**	**.1009**	**4.985**
Stddev	.0000	.0003	.0002	.0001	.022	.068	.0001	.0003	.000
%RSD	.0064	2.600	1.068	.0763	.4377	1.394	.4756	.2543	.0054
#1	.0521	.0104	.0229	.1011	4.962	4.838	.0152	.1007	4.986
#2	.0521	.0100	.0232	.1012	4.993	4.935	.0153	.1010	4.985

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0403**	**.0045**	**-.0008**	**.0032**	**-.0002**	**.0059**	**.0111**	**.0186**	**.0999**
Stddev	.0002	.0002	.0003	.0013	.0022	.0004	.0006	.0002	.0003
%RSD	.4280	3.654	39.82	40.01	908.4	7.300	5.252	1.306	.2503
#1	.0402	.0046	-.0010	.0023	-.0018	.0056	.0107	.0185	.0997
#2	.0404	.0044	-.0006	.0041	.0013	.0062	.0115	.0188	.1001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0092**	**.0496**	**.0042**	**.0099**	**.0020**	**.0208**	**.0002**
Stddev	.0001	.0004	.0002	.0004	.0008	.0001	.0004
%RSD	.7260	.7999	5.042	4.331	43.08	.4571	207.2
#1	.0093	.0493	.0040	.0096	.0014	.0208	-.0001
#2	.0092	.0499	.0043	.0102	.0025	.0209	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4160.4**	**108700.**	**8263.4**
Stddev	1.0	661.	32.6
%RSD	.02476	.60770	.39462
#1	4159.6	109170.	8240.3
#2	4161.1	108240.	8286.4

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/12/2013 18:20:23 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0002	541.8	.0001	-.0033	.0012	.0001	.0001	458.7	-.0001
Stddev	.0004	3.3	.0005	.0009	.0007	.0001	.0000	4.4	.0000
%RSD	227.2	.6032	506.4	26.37	54.65	46.02	76.80	.9639	34.36
#1	.0004	544.1	.0005	-.0039	.0008	.0002	.0000	461.9	-.0002
#2	-.0001	539.5	-.0003	-.0027	.0017	.0001	.0001	455.6	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	-.0001	.0008	187.6	.0866	510.3	-.0004	-.0025	-.0041
Stddev	.0003	.0002	.0002	.7	.0112	3.9	.0001	.0000	.0257
%RSD	114.2	237.5	20.45	.3811	12.96	.7623	15.44	1.569	627.2
#1	.0000	.0001	.0009	188.1	.0946	513.1	-.0005	-.0025	.0141
#2	.0004	-.0002	.0007	187.1	.0787	507.6	-.0004	-.0025	-.0223

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0024	.0020	-.0069	-.0006	.0974	-.0006	.0031	.0351	-.0017
Stddev	.0002	.0004	.0000	.0005	.0030	.0011	.0023	.0000	.0001
%RSD	6.432	18.03	.2484	96.70	3.115	177.9	74.97	.0434	7.636
#1	-.0025	.0023	-.0068	-.0009	.0995	-.0014	.0047	.0351	-.0018
#2	-.0023	.0018	-.0069	-.0002	.0952	.0002	.0014	.0351	-.0017

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0079	.0051	-.0007	-.0003	-.0124	.0008	.0017
Stddev	.0001	.0004	.0005	.0009	.0039	.0002	.0003
%RSD	.9327	7.363	72.02	277.7	31.64	19.54	18.87
#1	-.0079	.0049	-.0003	-.0009	-.0096	.0007	.0014
#2	-.0078	.0054	-.0010	.0003	-.0152	.0009	.0019

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3803.8	101860.	7950.2
Stddev	31.8	642.	41.5
%RSD	.83553	.63020	.52206
#1	3826.3	102310.	7920.9
#2	3781.3	101410.	7979.6

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/12/2013 18:25:17 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	1.026	531.3	2.096	.4747	.9515	.5257	.4836	446.9	1.009
Stddev	.002	.9	.001	.0030	.0005	.0010	.0005	6.4	.000
%RSD	.1427	.1778	.0659	.6275	.0502	.1828	.0934	1.440	.0253
#1	1.027	530.7	2.097	.4768	.9511	.5250	.4840	442.4	1.008
#2	1.025	532.0	2.095	.4726	.9518	.5264	.4833	451.5	1.009

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.4608	.4563	.4756	186.4	.0507	500.3	.4665	.9420	-.0145
Stddev	.0006	.0025	.0052	.6	.0236	1.2	.0033	.0026	.0181
%RSD	.1267	.5485	1.098	.3402	46.51	.2330	.7133	.2722	124.3
#1	.4604	.4580	.4793	186.8	.0341	499.5	.4688	.9402	-.0273
#2	.4612	.4545	.4719	185.9	.0674	501.1	.4641	.9438	-.0018

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.8323	.8542	.5073	.4845	.5037	2.024	2.009	4.430	.9247
Stddev	.0009	.0001	.0034	.0040	.0002	.001	.002	.001	.0005
%RSD	.1057	.0175	.6797	.8193	.0441	.0466	.1010	.0203	.0542
#1	.8317	.8543	.5097	.4873	.5038	2.025	2.010	4.430	.9250
#2	.8329	.8541	.5048	.4817	.5035	2.024	2.007	4.431	.9243

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.9018	.4726	1.772	.4736	1.938	.8921	.3787
Stddev	.0024	.0021	.001	.0039	.005	.0019	.0022
%RSD	.2625	.4494	.0348	.8269	.2383	.2157	.5883
#1	.9001	.4741	1.772	.4764	1.941	.8907	.3803
#2	.9035	.4711	1.772	.4708	1.934	.8934	.3771

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3778.4	101070.	8037.5
Stddev	2.2	516.	16.3
%RSD	.05847	.51078	.20314
#1	3776.9	100700.	8049.1
#2	3780.0	101430.	8026.0

Zoom In Zoom Out

Sample Name: MP22226-PS1 Acquired: 12/12/2013 18:30:06 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0001	.2022	.0055	-.0002	.4572	.0096	.0000	43.27	.0002
Stddev	.0002	.0292	.0005	.0009	.0008	.0002	.000	.10	.0000
%RSD	371.3	14.43	8.504	514.8	.1817	1.918	454.3	.2222	8.788
#1	-.0001	.2228	.0052	-.0008	.4566	.0097	.0001	43.34	.0002
#2	.0002	.1816	.0058	.0005	.4578	.0094	-.0001	43.20	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0000	.0021	.0000	.6775	24.64	27.81	.0149	.0033	F 234.8
Stddev	.000	.0001	.000	.0007	.05	.14	.0001	.0005	1.9
%RSD	110.3	2.654	3158.	.0976	.1897	.5093	.5603	15.58	.8127
#1	.0000	.0021	-.0003	.6780	24.68	27.91	.0148	.0036	233.4
#2	.0000	.0020	.0003	.6770	24.61	27.71	.0150	.0029	236.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0000	-.0001	-.0028	.0021	3.362	.0004	.0224	13.74	.0001
Stddev	.000	.0002	.0020	.0030	.001	.0003	.0012	.00	.0002
%RSD	559.4	229.8	71.56	140.3	.0411	73.99	5.196	.0323	170.1
#1	.0001	-.0003	-.0043	.0000	3.361	.0006	.0232	13.74	.0000
#2	-.0002	.0001	-.0014	.0042	3.363	.0002	.0216	13.75	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.2824	.0086	.0004	.0048	.0110	.0025	-.0541
Stddev	.0008	.0001	.0005	.0001	.0028	.0000	.0004
%RSD	.2891	1.097	112.3	2.464	25.72	.1763	.7711
#1	.2830	.0086	.0008	.0049	.0130	.0025	-.0538
#2	.2818	.0087	.0001	.0047	.0090	.0025	-.0544

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3971.9	104070.	8196.7
Stddev	.4	1275.	8.4
%RSD	.00925	1.2254	.10206
#1	3971.6	104970.	8190.8
#2	3972.1	103170.	8202.6

Zoom In Zoom Out

Sample Name: MP22226-S1 Acquired: 12/12/2013 18:35:04 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2048	2.683	.5672	.0037	.4884	2.180	.5475	72.69	.5385
Stddev	.0040	.011	.0039	.0086	.0015	.024	.0066	.74	.0029
%RSD	1.937	.4240	.6841	234.4	.2971	1.076	1.201	1.014	.5340
#1	.2077	2.675	.5699	-.0024	.4895	2.197	.5521	73.21	.5405
#2	.2020	2.691	.5644	.0097	.4874	2.164	.5428	72.17	.5365

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5409	.5262	.4762	2.921	53.15	56.52	.5360	.0066	281.7
Stddev	.0049	.0180	.0109	.025	.67	.82	.0183	.0016	2.7
%RSD	.9025	3.421	2.279	.8397	1.264	1.449	3.410	23.85	.9428
#1	.5444	.5390	.4839	2.938	53.62	57.10	.5489	.0077	283.6
#2	.5375	.5135	.4685	2.903	52.67	55.94	.5230	.0054	279.9

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.5082	1.021	-.0161	.0155	3.049	.5296	.2856	14.44	.0008
Stddev	.0047	.014	.0032	.0338	.029	.0044	.0133	.06	.0005
%RSD	.9206	1.388	19.54	218.5	.9367	.8389	4.650	.4020	63.36
#1	.5115	1.031	-.0139	-.0084	3.069	.5328	.2950	14.48	.0005
#2	.5049	1.011	-.0184	.0394	3.029	.5265	.2762	14.40	.0012

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.7788	.5128	.5299	.5380	.0003	.5611	-.0509
Stddev	.0058	.0150	.0126	.0095	.0339	.0035	.0088
%RSD	.7402	2.928	2.372	1.758	10690.	.6318	17.21
#1	.7829	.5234	.5388	.5447	.0243	.5636	-.0447
#2	.7747	.5021	.5211	.5313	-.0236	.5586	-.0571

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4169.4	110360.	8297.8
Stddev	23.0	2901.	146.3
%RSD	.55231	2.6287	1.7625
#1	4153.2	108310.	8194.3
#2	4185.7	112420.	8401.2

Zoom In Zoom Out

Sample Name: MP22226-S2 Acquired: 12/12/2013 18:39:55 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.1994**	**2.360**	**.5586**	**-.0078**	**.4765**	**2.136**	**.5321**	**70.53**	**.5284**
Stddev	.0030	.069	.0092	.0146	.0010	.002	.0009	.06	.0032
%RSD	1.496	2.915	1.644	187.2	.2021	.1022	.1725	.0920	.6057
#1	.1973	2.409	.5651	-.0181	.4771	2.138	.5315	70.58	.5306
#2	.2015	2.311	.5522	.0025	.4758	2.135	.5328	70.49	.5261

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5323**	**.5199**	**.4777**	**2.771**	**51.70**	**55.42**	**.5321**	**.0042**	**273.7**
Stddev	.0047	.0028	.0054	.007	.10	.42	.0025	.0003	.3
%RSD	.8868	.5310	1.122	.2605	.1988	.7562	.4687	8.236	.1031
#1	.5356	.5218	.4815	2.776	51.77	55.12	.5338	.0039	273.5
#2	.5290	.5179	.4739	2.766	51.62	55.71	.5303	.0044	273.9

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.5034**	**1.017**	**-.0039**	**-.0001**	**3.010**	**.5264**	**.2822**	**14.17**	**.0001**
Stddev	.0044	.001	.0154	.0026	.001	.0032	.0140	.14	.0015
%RSD	.8834	.1414	390.1	1788.	.0406	.6117	4.950	.9817	1583.
#1	.5065	1.018	.0069	-.0020	3.011	.5242	.2723	14.27	-.0010
#2	.5002	1.016	-.0148	.0017	3.009	.5287	.2921	14.07	.0011

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.7552**	**.5124**	**.5241**	**.5356**	**-.0070**	**.5513**	**-.0597**
Stddev	.0007	.0046	.0014	.0013	.0123	.0046	.0043
%RSD	.0980	.8893	.2695	.2427	174.8	.8429	7.269
#1	.7558	.5157	.5251	.5365	-.0157	.5546	-.0628
#2	.7547	.5092	.5231	.5346	.0017	.5480	-.0567

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4164.9**	**109620.**	**8337.1**
Stddev	23.3	471.	47.8
%RSD	.55853	.43000	.57344
#1	4148.5	109290.	8371.0
#2	4181.4	109950.	8303.3

Zoom In Zoom Out

Sample Name: JB53625-10 Acquired: 12/12/2013 18:44:45 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.2195**	**.0050**	**.0018**	**.4650**	**.0089**	**.0000**	**44.21**	**.0005**
Stddev	.002	.0405	.0011	.0034	.0027	.0004	.0003	.11	.0002
%RSD	6928.	18.45	21.96	190.0	.5840	4.507	2297.	.2414	45.08
#1	.0013	.1909	.0058	-.0006	.4669	.0086	-.0002	44.13	.0004
#2	-.0014	.2482	.0043	.0042	.4631	.0092	.0002	44.28	.0007

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0015**	**-.0001**	**.6693**	**24.80**	**28.30**	**.0151**	**.0024**	**242.0**
Stddev	.0002	.0001	.0010	.0011	.13	.13	.0003	.0000	.6
%RSD	130.4	9.462	982.2	.1678	.5361	.4594	1.988	1.226	.2399
#1	.0000	.0016	-.0008	.6685	24.71	28.39	.0153	.0024	241.6
#2	.0003	.0014	.0006	.6701	24.89	28.21	.0149	.0024	242.5

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0022**	**.0005**	**-.0044**	**-.0017**	**3.360**	**.0011**	**.0029**	**13.73**	**.0015**
Stddev	.0001	.0034	.0009	.0039	.004	.0010	.0032	.01	.0010
%RSD	4.572	722.7	19.73	231.0	.1344	90.75	110.3	.0967	69.54
#1	.0023	-.0019	-.0050	.0011	3.364	.0004	.0052	13.74	.0022
#2	.0021	.0029	-.0037	-.0045	3.357	.0018	.0006	13.72	.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2849**	**.0081**	**.0002**	**.0036**	**-.0002**	**.0168**	**-.0722**
Stddev	.0005	.0012	.0015	.0001	.0056	.0004	.0013
%RSD	.1686	15.00	600.4	2.209	2765.	2.374	1.775
#1	.2846	.0089	-.0008	.0035	-.0042	.0166	-.0732
#2	.2853	.0072	.0013	.0036	.0038	.0171	-.0713

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4128.4**	**108400.**	**8312.1**
Stddev	9.7	532.	25.0
%RSD	.23503	.49034	.30077
#1	4121.5	108780.	8329.8
#2	4135.3	108030.	8294.4

Zoom In Zoom Out

Sample Name: MP22226-SD1 Acquired: 12/12/2013 18:49:40 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 25X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0088**	**.2798**	**.0021**	**-.0171**	**.4810**	**.0060**	**-.0011**	**44.98**	**.0002**
Stddev	.0013	.0376	.0031	.0079	.0130	.0026	.0003	.19	.0003
%RSD	15.20	13.44	142.3	45.84	2.700	42.31	27.86	.4288	155.2
#1	-.0079	.2532	.0000	-.0227	.4718	.0042	-.0009	44.85	.0000
#2	-.0098	.3064	.0043	-.0116	.4902	.0078	-.0013	45.12	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0087**	**-.0003**	**.7301**	**24.65**	**28.01**	**.0141**	**.0051**	**245.4**
Stddev	.0014	.0020	.0019	.0846	.49	.38	.0013	.0023	.1
%RSD	734.6	23.07	702.8	11.59	1.972	1.372	9.458	44.64	.0425
#1	.0011	.0073	-.0016	.6703	24.99	27.74	.0132	.0068	245.4
#2	-.0008	.0101	.0011	.7900	24.31	28.28	.0151	.0035	245.5

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0040**	**-.0022**	**-.0007**	**.0989**	**3.392**	**-.0062**	**.0188**	**13.84**	**.0103**
Stddev	.0006	.0029	.0043	.0805	.021	.0197	.0172	.14	.0007
%RSD	14.25	129.2	603.5	81.38	.6201	317.8	91.43	1.037	6.604
#1	.0036	-.0002	.0023	.0420	3.377	.0077	.0066	13.73	.0098
#2	.0044	-.0043	-.0037	.1558	3.407	-.0202	.0309	13.94	.0108

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2843**	**.0148**	**-.0045**	**.0026**	**.0222**	**.0460**	**-.0768**
Stddev	.0004	.0020	.0078	.0031	.0201	.0022	.0034
%RSD	.1349	13.75	175.4	116.4	90.50	4.681	4.391
#1	.2840	.0134	.0011	.0005	.0080	.0445	-.0791
#2	.2846	.0163	-.0100	.0048	.0364	.0475	-.0744

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4143.0**	**109170.**	**8356.6**
Stddev	36.6	740.	18.2
%RSD	.88405	.67784	.21732
#1	4168.9	109690.	8369.5
#2	4117.1	108650.	8343.8

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 18:54:37 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2434**	**9.952**	**1.957**	**-.0023**	**1.954**	**2.030**	**2.062**	**10.05**	**1.966**
Stddev	.0004	.001	.009	.0005	.008	.000	.004	.03	.009
%RSD	.1566	.0082	.4343	22.03	.3873	.0000	.2047	.2900	.4685
#1	.2437	9.951	1.963	-.0026	1.960	2.030	2.065	10.03	1.972
#2	.2432	9.952	1.950	-.0019	1.949	2.030	2.059	10.07	1.959

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.041**	**1.920**	**1.877**	**9.966**	**10.04**	**10.03**	**1.969**	**1.954**	**10.01**
Stddev	.007	.005	.008	.033	.03	.06	.013	.003	.00
%RSD	.3478	.2652	.4358	.3262	.3029	.6468	.6701	.1719	.0016
#1	2.046	1.916	1.871	9.943	10.02	10.07	1.959	1.956	10.01
#2	2.036	1.924	1.883	9.989	10.06	9.982	1.978	1.951	10.01

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.941**	**1.927**	**.0001**	**-.0087**	**.0004**	**1.964**	**1.961**	**.0076**	**1.977**
Stddev	.005	.005	.0002	.0026	.0012	.009	.007	.0008	.008
%RSD	.2789	.2553	238.9	30.18	320.2	.4607	.3437	10.77	.4142
#1	1.945	1.931	-.0001	-.0105	-.0005	1.971	1.966	.0082	1.983
#2	1.937	1.924	.0002	-.0068	.0013	1.958	1.956	.0070	1.972

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.843**	**1.932**	**1.947**	**1.931**	**-.0046**	**1.954**	**.0295**
Stddev	.005	.007	.005	.006	.0018	.006	.0046
%RSD	.2518	.3504	.2408	.3200	38.71	.3112	15.48
#1	1.847	1.927	1.950	1.927	-.0033	1.958	.0327
#2	1.840	1.936	1.944	1.936	-.0059	1.950	.0263

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4200.9**	**110010.**	**8199.9**
Stddev	20.4	1057.	11.9
%RSD	.48613	.96067	.14523
#1	4186.5	110750.	8191.5
#2	4215.4	109260.	8208.4

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 18:59:20 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0001**	**.0126**	**.0005**	**.0002**	**.0014**	**-.0001**	**.0000**	**.0019**	**.0003**
Stddev	.0001	.0077	.0000	.0012	.0001	.0001	.0000	.0013	.0000
%RSD	73.55	61.19	3.156	622.7	5.426	50.28	37.74	68.86	2.163
#1	.0000	.0071	.0005	-.0007	.0015	-.0002	.0000	.0010	.0002
#2	.0001	.0181	.0005	.0011	.0014	-.0001	.0001	.0029	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0003**	**.0005**	**.0002**	**.0002**	**.0058**	**.0091**	**.0001**	**.0030**	**-.0294**
Stddev	.0000	.0001	.0001	.0013	.0201	.0184	.0000	.0006	.0048
%RSD	9.777	26.44	82.56	684.7	349.0	201.4	26.22	19.36	16.37
#1	.0003	.0004	.0003	-.0007	.0200	.0222	.0001	.0034	-.0260
#2	.0003	.0006	.0001	.0011	-.0085	-.0039	.0001	.0025	-.0328

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0003**	**.0003**	**-.0005**	**-.0021**	**.0010**	**.0003**	**.0010**	**-.0015**	**.0007**
Stddev	.0001	.0002	.0007	.0021	.0012	.0008	.0007	.0002	.0001
%RSD	29.67	75.91	125.2	102.7	117.6	268.6	66.30	11.40	8.751
#1	.0002	.0001	-.0001	-.0006	.0019	-.0003	.0005	-.0014	.0006
#2	.0004	.0004	-.0010	-.0036	.0002	.0008	.0015	-.0016	.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0004**	**.0008**	**.0000**	**.0031**	**.0002**	**-.0005**
Stddev	.0000	.0001	.0002	.0004	.0028	.0000	.0004
%RSD	17.86	24.73	30.81	15230.	90.84	13.60	80.60
#1	.0001	.0003	.0010	.0003	.0051	.0002	-.0008
#2	.0002	.0004	.0006	-.0002	.0011	.0002	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4202.3**	**109730.**	**8252.9**
Stddev	3.4	519.	16.2
%RSD	.08132	.47307	.19660
#1	4204.8	110100.	8264.4
#2	4199.9	109360.	8241.4

Zoom In Zoom Out

Sample Name: JB53625-13 Acquired: 12/12/2013 19:04:18 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.1265**	**.0015**	**-.0016**	**.1338**	**.0308**	**-.0001**	**34.28**	**.0001**
Stddev	.0001	.0073	.0002	.0003	.0002	.0001	.0001	.04	.0000
%RSD	40.52	5.804	14.94	17.64	.1593	.2946	120.1	.1176	15.67
#1	.0003	.1213	.0014	-.0014	.1340	.0307	-.0001	34.31	.0001
#2	.0005	.1317	.0017	-.0018	.1337	.0309	.0000	34.25	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0126**	**.0008**	**12.82**	**17.20**	**16.25**	**.2054**	**.0012**	F **448.7**
Stddev	.0001	.0003	.0002	.03	.01	.09	.0012	.0001	3.4
%RSD	60.90	2.374	23.87	.2109	.0503	.5780	.5688	8.944	.7520
#1	.0003	.0128	.0010	12.80	17.21	16.32	.2062	.0013	451.1
#2	.0001	.0124	.0007	12.84	17.20	16.19	.2045	.0012	446.3

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0059**	**-.0007**	**-.0017**	**-.0004**	**10.76**	**.0000**	**.0022**	**11.14**	**-.0001**
Stddev	.0000	.0005	.0014	.0020	.01	.0005	.0007	.01	.0000
%RSD	.4250	82.61	83.79	552.0	.1177	1785.	29.08	.0856	36.14
#1	.0059	-.0003	-.0007	.0010	10.75	.0004	.0027	11.14	-.0001
#2	.0059	-.0010	-.0027	-.0018	10.77	-.0003	.0018	11.15	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3496**	**.0108**	**.0002**	**.0036**	**.0014**	**-.0001**	**-.0607**
Stddev	.0008	.0006	.0007	.0001	.0008	.0000	.0004
%RSD	.2208	5.307	300.5	1.641	55.71	20.76	.7374
#1	.3501	.0113	.0007	.0036	.0009	-.0001	-.0604
#2	.3490	.0104	-.0003	.0036	.0020	-.0001	-.0611

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3992.2**	**104660.**	**8320.1**
Stddev	1.4	951.	34.4
%RSD	.03526	.90882	.41329
#1	3991.2	103990.	8295.8
#2	3993.2	105330.	8344.4

Zoom In Zoom Out

Sample Name: JB53625-13 Acquired: 12/12/2013 19:09:16 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0059**	**.0713**	**-.0044**	**-.0039**	**.1396**	**.0313**	**-.0002**	**34.80**	**.0004**
Stddev	.0027	.0080	.0013	.0069	.0003	.0000	.0002	.03	.0002
%RSD	45.36	11.17	29.54	179.7	.2000	.0228	75.05	.0875	52.43
#1	-.0077	.0657	-.0035	.0010	.1394	.0313	-.0001	34.78	.0003
#2	-.0040	.0770	-.0053	-.0087	.1398	.0313	-.0003	34.82	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0015**	**.0129**	**-.0006**	**12.92**	**17.18**	**16.54**	**.2071**	**.0051**	**481.1**
Stddev	.0003	.0007	.0017	.06	.09	.05	.0003	.0000	.5
%RSD	17.42	5.358	305.2	.4413	.5453	.2931	.1533	.1124	.0986
#1	.0014	.0134	.0007	12.96	17.24	16.57	.2069	.0051	481.4
#2	.0017	.0124	-.0018	12.88	17.11	16.50	.2074	.0051	480.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0072**	**.0021**	**-.0042**	**.0096**	**10.63**	**.0009**	**.0055**	**11.03**	**.0046**
Stddev	.0007	.0004	.0043	.0595	.01	.0015	.0016	.02	.0019
%RSD	9.552	20.08	103.2	620.3	.0826	156.7	28.98	.2201	41.83
#1	.0067	.0018	-.0011	.0516	10.62	.0020	.0066	11.01	.0059
#2	.0076	.0024	-.0072	-.0325	10.63	-.0001	.0043	11.05	.0032

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3481**	**.0125**	**.0016**	**.0018**	**.0251**	**.0089**	**-.0655**
Stddev	.0002	.0023	.0056	.0009	.0341	.0005	.0007
%RSD	.0568	18.23	354.8	46.04	135.5	6.119	1.065
#1	.3483	.0109	-.0024	.0025	.0011	.0093	-.0660
#2	.3480	.0141	.0055	.0012	.0492	.0085	-.0650

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4165.5**	**109370.**	**8348.7**
Stddev	3.4	706.	36.7
%RSD	.08095	.64511	.43945
#1	4167.9	109870.	8322.7
#2	4163.1	108870.	8374.6

Zoom In Zoom Out

Sample Name: JB53625-11 Acquired: 12/12/2013 19:14:11 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 100.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 100X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0067**	**-.0628**	**-.0342**	**.0087**	**.9982**	**-.0033**	**-.0008**	**68.48**	**.0020**
Stddev	.0061	.4990	.0056	.0383	.0069	.0203	.0016	.73	.0016
%RSD	91.02	794.4	16.50	438.7	.6929	609.8	195.5	1.063	77.16
#1	-.0110	-.4157	-.0302	-.0183	.9934	.0110	-.0020	68.99	.0009
#2	-.0024	.2900	-.0382	.0358	1.003	-.0177	.0003	67.96	.0031

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0074**	**.0227**	**-.0077**	**.0156**	**51.54**	**84.89**	**-.0030**	**.0350**	**819.4**
Stddev	.0013	.0354	.0274	.1641	.91	.40	.0015	.0056	.6
%RSD	17.40	156.1	353.4	1055.	1.761	.4731	48.02	16.02	.0691
#1	.0084	-.0024	-.0271	.1316	52.18	84.61	-.0020	.0310	819.8
#2	.0065	.0477	.0116	-.1005	50.90	85.18	-.0041	.0390	819.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0195**	**-.0265**	**-.0537**	**.2060**	**12.78**	**-.0254**	**.0666**	**18.91**	**.0472**
Stddev	.0026	.0041	.0510	.0036	.28	.0813	.0459	.01	.0276
%RSD	13.42	15.43	95.03	1.759	2.173	319.5	68.86	.0356	58.44
#1	.0213	-.0293	-.0176	.2034	12.58	-.0829	.0342	18.92	.0277
#2	.0176	-.0236	-.0897	.2085	12.97	.0320	.0990	18.91	.0667

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5756**	**.0177**	**.0454**	**.0189**	**.0499**	**.0947**	**-.1377**
Stddev	.0015	.0059	.0280	.0180	.1949	.0012	.0001
%RSD	.2552	33.40	61.63	95.41	391.0	1.243	.0423
#1	.5745	.0135	.0256	.0061	.1877	.0956	-.1378
#2	.5766	.0219	.0652	.0316	-.0880	.0939	-.1377

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4169.0**	**110050.**	**8371.3**
Stddev	8.6	99.	24.8
%RSD	.20588	.09029	.29652
#1	4175.1	110120.	8353.8
#2	4162.9	109980.	8388.9

Zoom In Zoom Out

Sample Name: JB53625-12 Acquired: 12/12/2013 19:19:07 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 100.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 100X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0021	1.013	-.0264	.0550	.4386	.0193	-.0049	82.85	.0002
Stddev	.0278	.137	.0560	.0045	.0252	.0009	.0034	.23	.0006
%RSD	1317.	13.49	212.0	8.126	5.739	4.564	69.82	.2836	422.0
#1	-.0175	.9168	-.0660	.0582	.4208	.0186	-.0025	83.01	-.0003
#2	.0218	1.110	.0132	.0518	.4564	.0199	-.0073	82.68	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0012	.0029	-.0117	8.526	34.51	51.92	.1653	.0155	971.9
Stddev	.0034	.0299	.0083	.313	.68	2.23	.0014	.0004	2.0
%RSD	282.9	1018.	70.26	3.665	1.983	4.295	.8487	2.584	.2036
#1	-.0012	-.0182	-.0176	8.305	35.00	53.49	.1643	.0158	973.3
#2	.0036	.0241	-.0059	8.747	34.03	50.34	.1662	.0153	970.5

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0024	.0099	-.1096	.1215	7.777	-.0354	-.0314	16.05	.0277
Stddev	.0109	.0290	.1025	.2829	.092	.0321	.0051	.12	.0065
%RSD	462.3	293.7	93.61	232.8	1.185	90.55	16.26	.7525	23.47
#1	.0101	-.0106	-.0370	-.0785	7.712	-.0127	-.0278	15.97	.0231
#2	-.0053	.0304	-.1821	.3215	7.842	-.0581	-.0350	16.14	.0323

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.7428	.0232	.0256	.0126	.0096	.1241	-.1652
Stddev	.0102	.0120	.0053	.0132	.1711	.0059	.0218
%RSD	1.371	51.66	20.83	104.8	1786.	4.776	13.17
#1	.7500	.0317	.0218	.0033	-.1114	.1199	-.1806
#2	.7356	.0147	.0293	.0220	.1306	.1283	-.1498

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4145.1	109870.	8333.0
Stddev	16.3	499.	61.0
%RSD	.39394	.45422	.73186
#1	4156.7	110220.	8289.9
#2	4133.6	109520.	8376.1

Zoom In Zoom Out

Sample Name: MP22238-B1 Acquired: 12/12/2013 19:24:02 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2015	2.107	.5386	-.0011	1.009	2.080	.5146	24.06	.5151
Stddev	.0002	.004	.0012	.0003	.003	.002	.0014	.02	.0015
%RSD	.1138	.1908	.2165	24.40	.2580	.1003	.2723	.0854	.2884
#1	.2013	2.104	.5378	-.0013	1.007	2.079	.5155	24.05	.5140
#2	.2017	2.110	.5395	-.0009	1.011	2.082	.5136	24.08	.5161

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5157	.4951	.4667	2.006	25.01	24.45	.4947	.5020	25.10
Stddev	.0026	.0038	.0019	.006	.03	.16	.0015	.0022	.07
%RSD	.4958	.7702	.4117	.2826	.1070	.6451	.2935	.4360	.2668
#1	.5139	.4978	.4654	2.002	25.03	24.56	.4958	.5004	25.05
#2	.5175	.4924	.4681	2.010	25.00	24.34	.4937	.5035	25.14

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4825	.9757	-.0026	-.0036	2.047	.5191	.5237	1.078	1.040
Stddev	.0015	.0030	.0004	.0050	.002	.0015	.0000	.003	.005
%RSD	.3078	.3069	15.97	136.4	.0850	.2807	.0092	.2645	.4477
#1	.4815	.9736	-.0023	-.0072	2.045	.5181	.5237	1.076	1.037
#2	.4836	.9778	-.0029	-.0001	2.048	.5202	.5238	1.080	1.043

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4501	.4797	.5037	.5096	.4117	.5164	-.0086
Stddev	.0022	.0025	.0005	.0023	.0007	.0029	.0005
%RSD	.4961	.5262	.1024	.4430	.1591	.5542	5.602
#1	.4517	.4815	.5033	.5112	.4112	.5144	-.0083
#2	.4485	.4780	.5040	.5080	.4121	.5185	-.0090

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4069.2	108590.	8381.6
Stddev	8.0	232.	20.2
%RSD	.19734	.21372	.24060
#1	4074.9	108430.	8367.3
#2	4063.5	108760.	8395.8

Zoom In Zoom Out

Sample Name: MP22238-MB1 Acquired: 12/12/2013 19:28:46 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0003	.0028	-.0002	-.0010	.0011	.0000	-.0001	.0051	.0000
Stddev	.0003	.0051	.0004	.0003	.0002	.0001	.0000	.0017	.0001
%RSD	109.7	182.2	177.3	31.01	19.76	2035.	80.88	32.75	1015.
#1	-.0006	.0064	.0001	-.0012	.0012	.0001	-.0001	.0063	.0000
#2	-.0001	-.0008	-.0005	-.0008	.0009	-.0001	.0000	.0039	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0000	.0003	.0003	.0061	.0177	-.0036	.0008	.0008	.0182
Stddev	.000	.0003	.0001	.0013	.0346	.0252	.0000	.0002	.0065
%RSD	77.19	105.7	19.43	20.92	196.2	691.8	3.688	32.77	35.69
#1	-.0001	.0006	.0003	.0070	.0421	-.0215	.0007	.0009	.0228
#2	.0000	.0001	.0004	.0052	-.0068	.0142	.0008	.0006	.0136

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0001	.0002	-.0023	-.0003	.0039	.0005	.0009	.0138	.0003
Stddev	.0000	.0003	.0013	.0001	.0004	.0003	.0003	.0004	.0002
%RSD	40.01	154.9	57.67	21.37	10.31	58.48	29.45	2.783	62.29
#1	-.0001	.0000	-.0013	-.0004	.0036	.0007	.0011	.0141	.0004
#2	-.0001	.0004	-.0032	-.0003	.0042	.0003	.0007	.0136	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0001	.0000	-.0001	-.0001	.0020	.0005	-.0018
Stddev	.0000	.0001	.0001	.0001	.0006	.0000	.0005
%RSD	53.31	155.8	171.0	100.5	32.49	8.050	30.01
#1	.0000	.0000	.0000	-.0001	.0024	.0005	-.0014
#2	.0001	.0001	-.0001	.0000	.0015	.0005	-.0021

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4114.4	109730.	8378.9
Stddev	3.3	882.	22.2
%RSD	.07970	.80377	.26473
#1	4116.7	109100.	8363.2
#2	4112.1	110350.	8394.5

Zoom In Zoom Out

Sample Name: MP22238-S1 Acquired: 12/12/2013 19:33:43 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.1500	3.377	.5167	-.0047	.7512	2.729	.3630	198.0
Stddev	.0001	.031	.0037	.0046	.0025	.004	.0013	.2
%RSD	.0728	.9122	.7074	98.85	.3285	.1552	.3600	.0777
#1	.1499	3.399	.5141	-.0080	.7494	2.726	.3640	198.1
#2	.1501	3.355	.5193	-.0014	.7529	2.732	.3621	197.9

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.3927	.6017	.3442	.5051	F 337.1	21.63	54.84	10.77
Stddev	.0015	.0017	.0030	.0000	.7	.03	.28	.01
%RSD	.3929	.2843	.8607	.0003	.2125	.1264	.5168	.0950
#1	.3916	.6005	.3421	.5051	337.6	21.65	55.04	10.77
#2	.3938	.6029	.3463	.5051	336.6	21.61	54.64	10.76

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.3552	F 303.2	.3694	.8280	.0124	F -.0572	F 20.43	.3814
Stddev	.0015	2.1	.0008	.0012	.0016	.0003	.06	.0020
%RSD	.4197	.6980	.2193	.1472	12.74	.6034	.2782	.5231
#1	.3541	304.7	.3688	.8272	.0135	-.0570	20.39	.3800
#2	.3562	301.7	.3699	.8289	.0113	-.0575	20.47	.3828

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.3987	41.10	.7153	1.387	.3509	.3347	.4061	.1755
Stddev	.0006	.15	.0020	.002	.0017	.0017	.0015	.0060
%RSD	.1506	.3562	.2745	.1498	.4703	.5110	.3811	3.423
#1	.3983	41.00	.7139	1.389	.3498	.3334	.4050	.1797
#2	.3991	41.20	.7167	1.386	.3521	.3359	.4072	.1712

Elem	Zn2062	Zr3391
Avg	.6369	-.2194
Stddev	.0003	.0001
%RSD	.0397	.0470
#1	.6367	-.2195
#2	.6371	-.2194

Zoom In Zoom Out

Sample Name: MP22238-S1 Acquired: 12/12/2013 19:33:43 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**5152.4**	**142450.**	**11428.**
Stddev	15.2	1136.	13.
%RSD	.29448	.79741	.11019
#1	5163.1	143250.	11436.
#2	5141.6	141650.	11419.

Zoom In Zoom Out

Sample Name: MP22238-S2 Acquired: 12/12/2013 19:38:37 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	**.1525**	**3.490**	**.5247**	**-.0062**	**.7551**	**2.764**	**.3688**	**201.2**
Stddev	.0006	.014	.0014	.0004	.0007	.005	.0019	.9
%RSD	.3727	.4102	.2711	6.550	.0952	.1941	.5121	.4499
#1	.1521	3.480	.5257	-.0060	.7556	2.760	.3675	200.6
#2	.1529	3.500	.5236	-.0065	.7545	2.768	.3701	201.9

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	**.3903**	**.6170**	**.3541**	**.5192**	F **352.4**	**21.86**	**56.05**	**11.48**
Stddev	.0014	.0015	.0028	.0012	1.8	.03	.69	.03
%RSD	.3528	.2361	.7906	.2379	.4973	.1286	1.223	.2978
#1	.3913	.6180	.3560	.5184	351.1	21.88	55.56	11.50
#2	.3893	.6160	.3521	.5201	353.6	21.84	56.53	11.45

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	**.3555**	F **305.1**	**.3720**	**.8422**	**.0099**	F **-.0603**	F **21.10**	**.3794**
Stddev	.0003	3.7	.0004	.0000	.0002	.0002	.00	.0009
%RSD	.0873	1.217	.1171	.0045	1.629	.2652	.0110	.2350
#1	.3557	302.4	.3723	.8421	.0098	-.0604	21.10	.3800
#2	.3553	307.7	.3717	.8422	.0100	-.0602	21.10	.3787

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	**.4035**	**41.89**	**.7167**	**1.405**	**.3604**	**.3362**	**.4207**	**.3274**
Stddev	.0013	.04	.0002	.008	.0016	.0002	.0014	.0020
%RSD	.3328	.0933	.0242	.5572	.4519	.0554	.3447	.6210
#1	.4025	41.91	.7169	1.400	.3615	.3363	.4217	.3289
#2	.4044	41.86	.7166	1.411	.3592	.3361	.4196	.3260

Elem	Zn2062	Zr3391
Avg	**.6361**	**-.2201**
Stddev	.0012	.0005
%RSD	.1952	.2051
#1	.6370	-.2198
#2	.6352	-.2204

Zoom In Zoom Out

Sample Name: MP22238-S2 Acquired: 12/12/2013 19:38:37 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**5213.6**	**140820.**	**11319.**
Stddev	21.5	1330.	6.
%RSD	.41160	.94443	.05620
#1	5198.4	139880.	11324.
#2	5228.7	141760.	11315.

Zoom In Zoom Out

Sample Name: MC26860-1 Acquired: 12/12/2013 19:43:31 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	**.0011**	**2.792**	**.1871**	**.0309**	**.0319**	**1.332**	**.0025**	**182.3**
Stddev	.0003	.003	.0004	.0004	.0001	.000	.0000	.0
%RSD	24.78	.1084	.2280	1.369	.2951	.0329	1.236	.0221
#1	.0013	2.794	.1874	.0306	.0318	1.331	.0025	182.2
#2	.0009	2.790	.1868	.0312	.0320	1.332	.0025	182.3

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	**.0094**	**.5252**	**.0033**	**.1785**	F **420.4**	**3.563**	**37.81**	F **22.24**
Stddev	.0001	.0006	.0002	.0004	.0	.017	.01	.08
%RSD	1.241	.1154	5.307	.2123	.0098	.4882	.0195	.3659
#1	.0093	.5256	.0032	.1788	420.5	3.550	37.81	22.18
#2	.0095	.5248	.0034	.1782	420.4	3.575	37.80	22.30

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	**.0022**	F **279.6**	**.0573**	**.2957**	**.0088**	F **-.1227**	F **24.54**	**-.0001**
Stddev	.0004	.3	.0000	.0010	.0010	.0000	.01	.0011
%RSD	16.19	.1023	.0813	.3456	11.48	.0328	.0500	1404.
#1	.0024	279.8	.0574	.2950	.0095	-.1227	24.53	.0007
#2	.0019	279.4	.0573	.2965	.0081	-.1228	24.55	-.0008

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	**.0351**	**47.40**	**.0030**	**1.066**	**.0219**	**.0034**	**.0793**	**.0695**
Stddev	.0009	.03	.0001	.003	.0004	.0001	.0003	.0084
%RSD	2.500	.0622	4.040	.3012	1.608	1.542	.3871	12.04
#1	.0345	47.42	.0029	1.068	.0217	.0034	.0795	.0754
#2	.0357	47.38	.0031	1.063	.0222	.0035	.0791	.0635

Elem	Zn2062	Zr3391
Avg	**.3151**	**-.2512**
Stddev	.0005	.0009
%RSD	.1587	.3626
#1	.3154	-.2519
#2	.3147	-.2506

Zoom In Zoom Out

Sample Name: MC26860-1 Acquired: 12/12/2013 19:43:31 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**5249.3**	**143670.**	**11540.**
Stddev	3.2	653.	30.
%RSD	.06164	.45432	.25826
#1	5247.0	144140.	11561.
#2	5251.6	143210.	11519.

Zoom In Zoom Out

Sample Name: MP22238-SD1 Acquired: 12/12/2013 19:48:28 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0008**	**3.830**	**.2390**	**-.0017**	**.0448**	**1.743**	**.0031**	**248.3**	**.0098**
Stddev	.0007	.023	.0074	.0001	.0007	.006	.0001	.7	.0005
%RSD	90.98	.6080	3.090	8.693	1.651	.3369	3.461	.2929	5.335
#1	.0013	3.814	.2443	-.0018	.0453	1.739	.0031	248.8	.0101
#2	.0003	3.847	.2338	-.0016	.0443	1.747	.0030	247.8	.0094

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.7008**	**.0040**	**.2315**	**608.1**	**4.814**	**51.57**	**35.84**	**.0032**	**390.3**
Stddev	.0135	.0002	.0006	3.4	.077	.05	.38	.0006	1.1
%RSD	1.926	5.292	.2653	.5672	1.608	.1015	1.052	19.35	.2724
#1	.7103	.0042	.2319	610.6	4.759	51.61	36.10	.0037	391.1
#2	.6912	.0039	.2310	605.7	4.869	51.54	35.57	.0028	389.6

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0775**	**.4070**	**.0286**	**-.1651**	**32.01**	**-.0039**	**.0668**	**60.73**	**.0035**
Stddev	.0016	.0101	.0019	.0002	.57	.0004	.0014	1.08	.0010
%RSD	2.059	2.483	6.747	.1230	1.784	11.50	2.022	1.778	27.47
#1	.0787	.4142	.0272	-.1649	32.42	-.0036	.0678	61.49	.0041
#2	.0764	.3999	.0300	-.1652	31.61	-.0042	.0658	59.96	.0028

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.396**	**.0306**	**-.0014**	**.1053**	**.0782**	**.4439**	**-.3231**
Stddev	.003	.0008	.0033	.0003	.0111	.0113	.0028
%RSD	.2193	2.752	244.8	.3282	14.17	2.552	.8578
#1	1.398	.0300	-.0037	.1056	.0860	.4519	-.3251
#2	1.394	.0312	.0010	.1051	.0703	.4359	-.3211

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4435.3**	**116620.**	**8977.7**
Stddev	83.7	1013.	64.5
%RSD	1.8870	.86870	.71898
#1	4376.1	115900.	8932.1
#2	4494.5	117330.	9023.4

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 19:53:27 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2435**	**9.959**	**1.950**	**-.0015**	**1.947**	**2.032**	**2.044**	**9.968**	**1.961**
Stddev	.0014	.036	.004	.0003	.006	.005	.000	.047	.003
%RSD	.5766	.3598	.2131	18.60	.3034	.2418	.0037	.4723	.1274
#1	.2445	9.934	1.953	-.0017	1.951	2.029	2.044	9.934	1.963
#2	.2425	9.984	1.947	-.0013	1.943	2.036	2.044	10.00	1.959

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.034**	**1.917**	**1.885**	**9.900**	**10.06**	**9.897**	**1.971**	**1.949**	**10.08**
Stddev	.002	.007	.009	.006	.06	.002	.007	.006	.01
%RSD	.0780	.3794	.4713	.0617	.5953	.0201	.3380	.3276	.1030
#1	2.033	1.922	1.891	9.896	10.02	9.896	1.976	1.944	10.09
#2	2.036	1.912	1.879	9.904	10.10	9.899	1.966	1.953	10.08

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.932**	**1.918**	**.0017**	**-.0077**	**.0036**	**1.955**	**1.952**	**.0211**	**1.968**
Stddev	.001	.002	.0010	.0001	.0013	.006	.002	.0050	.000
%RSD	.0534	.0975	59.20	1.667	35.55	.3082	.0791	23.97	.0073
#1	1.931	1.916	.0025	-.0076	.0045	1.960	1.954	.0246	1.968
#2	1.933	1.919	.0010	-.0078	.0027	1.951	1.951	.0175	1.969

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.837**	**1.930**	**1.936**	**1.934**	**-.0014**	**1.945**	**.0005**
Stddev	.002	.004	.000	.004	.0035	.005	.0013
%RSD	.1123	.2112	.0229	.2111	257.3	.2772	264.4
#1	1.835	1.933	1.936	1.937	.0011	1.941	.0015
#2	1.838	1.927	1.937	1.931	-.0038	1.948	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4211.0**	**109360.**	**8234.4**
Stddev	2.1	121.	72.3
%RSD	.04955	.11064	.87770
#1	4209.5	109270.	8285.5
#2	4212.4	109440.	8183.3

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 19:58:11 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.0141**	**.0003**	**.0006**	**.0017**	**.0000**	**.0000**	**.0018**	**.0002**
Stddev	.0002	.0066	.0003	.0002	.0002	.000	.0000	.0034	.0001
%RSD	287.3	46.66	98.03	37.26	10.76	262.2	40.89	187.1	39.47
#1	-.0002	.0188	.0005	.0008	.0018	.0000	.0000	-.0006	.0002
#2	.0001	.0095	.0001	.0004	.0015	-.0001	.0000	.0043	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0003**	**.0004**	**-.0001**	**.0052**	**-.0066**	**.0034**	**.0005**	**.0031**	**.0785**
Stddev	.0002	.0005	.0000	.0009	.0215	.0498	.0001	.0007	.0354
%RSD	51.51	131.7	2.894	16.74	323.9	1452.	16.71	22.87	45.17
#1	.0002	.0000	-.0001	.0058	-.0218	.0387	.0005	.0035	.0534
#2	.0004	.0007	-.0001	.0046	.0086	-.0318	.0006	.0026	.1035

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0004**	**.0002**	**-.0006**	**.0044**	**.0027**	**.0001**	**.0010**	**-.0004**	**.0006**
Stddev	.0001	.0001	.0000	.0013	.0008	.0000	.0003	.0003	.0001
%RSD	23.79	37.22	.5630	30.48	28.00	22.76	29.91	86.13	10.00
#1	.0004	.0001	-.0006	.0053	.0032	.0001	.0012	-.0001	.0006
#2	.0003	.0002	-.0006	.0034	.0022	.0001	.0007	-.0006	.0005

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0002**	**.0014**	**.0004**	**.0008**	**.0005**	**-.0007**
Stddev	.0000	.0001	.0001	.0003	.0003	.0000	.0015
%RSD	5.307	64.00	5.839	80.32	34.20	9.418	222.2
#1	.0002	.0001	.0014	.0002	.0006	.0004	.0004
#2	.0001	.0003	.0013	.0006	.0009	.0005	-.0017

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4131.3**	**111610.**	**8302.8**
Stddev	33.3	4483.	6.4
%RSD	.80626	4.0171	.07685
#1	4107.8	108440.	8307.3
#2	4154.9	114780.	8298.3

Zoom In Zoom Out

Sample Name: MP22238-B2 Acquired: 12/12/2013 20:03:08 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2030	2.175	.5413	-.0015	1.013	2.106	.5257	24.97	.5181
Stddev	.0005	.006	.0005	.0010	.000	.004	.0002	.02	.0003
%RSD	.2420	.2708	.0924	67.15	.0145	.1753	.0386	.0938	.0568
#1	.2026	2.179	.5410	-.0008	1.013	2.104	.5255	24.96	.5179
#2	.2033	2.171	.5417	-.0022	1.013	2.109	.5258	24.99	.5183

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5192	.5137	.4707	2.059	25.72	25.72	.5081	.5066	25.75
Stddev	.0004	.0027	.0004	.020	.05	.06	.0028	.0006	.03
%RSD	.0852	.5253	.0816	.9549	.1753	.2498	.5445	.1200	.1056
#1	.5189	.5118	.4704	2.045	25.75	25.67	.5061	.5061	25.73
#2	.5195	.5157	.4709	2.073	25.69	25.76	.5100	.5070	25.77

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4879	.9900	-.0014	.0022	2.056	.5224	.5239	1.085	1.052
Stddev	.0003	.0013	.0003	.0017	.003	.0011	.0008	.000	.001
%RSD	.0547	.1320	22.70	75.85	.1487	.2125	.1443	.0048	.0445
#1	.4878	.9909	-.0016	.0034	2.053	.5232	.5234	1.085	1.051
#2	.4881	.9891	-.0012	.0010	2.058	.5216	.5245	1.085	1.052

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4596	.4935	.5105	.5235	.4304	.5228	-.0089
Stddev	.0012	.0025	.0001	.0030	.0055	.0001	.0005
%RSD	.2656	.5119	.0201	.5754	1.273	.0266	5.486
#1	.4587	.4917	.5104	.5213	.4265	.5229	-.0092
#2	.4604	.4953	.5105	.5256	.4343	.5227	-.0085

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4097.4	107280.	8236.3
Stddev	3.0	829.	28.3
%RSD	.07427	.77261	.34339
#1	4099.6	107860.	8256.3
#2	4095.2	106690.	8216.3

Zoom In Zoom Out

Sample Name: FA10606-4 Acquired: 12/12/2013 20:07:52 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0003	4.730	.0050	-.0046	6.627	.0247	.0022	129.7	-.0010
Stddev	.0002	.020	.0002	.0001	.012	.0003	.0000	.0	.0000
%RSD	57.72	.4187	3.165	1.907	.1771	1.256	1.055	.0279	.4176
#1	-.0002	4.716	.0051	-.0047	6.619	.0249	.0022	129.7	-.0010
#2	-.0004	4.744	.0049	-.0045	6.635	.0245	.0022	129.8	-.0010

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0003	.0028	.0001	115.0	F 667.6	36.29	.2245	.0006	F 369.3
Stddev	.0001	.0002	.0001	.4	7.5	.14	.0007	.0002	6.3
%RSD	17.26	8.515	51.08	.3682	1.116	.3853	.3037	32.36	1.709
#1	.0004	.0026	.0001	114.7	672.8	36.19	.2250	.0007	373.8
#2	.0003	.0030	.0001	115.3	662.3	36.39	.2240	.0005	364.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0002	-.0007	.0020	-.0026	F 696.1	-.0015	.0037	4.797	.0005
Stddev	.0002	.0000	.0005	.0004	.5	.0001	.0003	.008	.0002
%RSD	62.36	4.044	26.63	15.67	.0668	4.041	8.680	.1605	45.34
#1	-.0001	-.0007	.0016	-.0029	695.7	-.0014	.0035	4.792	.0007
#2	-.0004	-.0006	.0023	-.0023	696.4	-.0015	.0040	4.803	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.9703	.0013	.0007	.0149	.0243	.0086	-.0279
Stddev	.0036	.0000	.0003	.0007	.0041	.0000	.0004
%RSD	.3707	3.294	39.76	4.817	16.75	.3002	1.570
#1	.9678	.0013	.0008	.0144	.0215	.0086	-.0276
#2	.9729	.0013	.0005	.0154	.0272	.0086	-.0282

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4419.5	117470.	9663.5
Stddev	2.5	268.	61.2
%RSD	.05671	.22807	.63292
#1	4421.2	117280.	9620.2
#2	4417.7	117660.	9706.7

Zoom In Zoom Out

Sample Name: FA10606-8 Acquired: 12/12/2013 20:12:54 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0008	1.500	.0013	-.0019	6.851	.0245	.0002	99.94	.0001
Stddev	.0003	.002	.0003	.0001	.018	.0001	.0000	.17	.0000
%RSD	31.47	.1139	21.78	7.374	.2594	.5621	13.27	.1710	25.23
#1	-.0006	1.498	.0016	-.0018	6.838	.0244	.0002	100.1	.0001
#2	-.0010	1.501	.0011	-.0020	6.864	.0246	.0003	99.82	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0000	.0015	.0008	1.007	F 457.5	2.379	.0288	.0017	139.6
Stddev	.000	.0008	.0000	.004	3.0	.067	.0001	.0001	.6
%RSD	2180.	49.75	2.456	.3871	.6623	2.810	.3975	3.293	.4633
#1	.0000	.0010	.0008	1.010	459.7	2.426	.0289	.0017	140.0
#2	.0000	.0021	.0008	1.005	455.4	2.331	.0287	.0017	139.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0006	-.0005	-.0056	.0037	F 333.1	.0001	.0052	1.882	.0001
Stddev	.0000	.0003	.0005	.0025	.9	.0001	.0004	.004	.0001
%RSD	.5760	47.58	8.875	66.45	.2560	72.40	8.287	.1893	104.8
#1	.0006	-.0004	-.0052	.0055	332.4	.0001	.0055	1.879	.0001
#2	.0007	-.0007	-.0059	.0020	333.7	.0002	.0049	1.884	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.9207	.0007	.0002	.0020	.0030	.0176	-.0091
Stddev	.0029	.0001	.0004	.0000	.0005	.0001	.0003
%RSD	.3125	7.624	243.7	1.964	15.81	.4648	3.708
#1	.9187	.0007	-.0001	.0020	.0033	.0177	-.0089
#2	.9228	.0008	.0004	.0020	.0027	.0175	-.0094

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3978.7	104500.	8281.2
Stddev	.4	274.	49.9
%RSD	.01065	.26181	.60286
#1	3978.4	104310.	8245.9
#2	3979.0	104690.	8316.5

Zoom In Zoom Out

Sample Name: MC26860-2 Acquired: 12/12/2013 20:17:47 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0002	.0760	.0201	.0087	.2152	.7167	-.0001	222.8
Stddev	.0002	.0089	.0001	.0019	.0010	.0022	.0000	1.1
%RSD	98.67	11.72	.4960	22.30	.4684	.3040	39.11	.4935
#1	.0003	.0823	.0200	.0101	.2159	.7182	-.0001	223.6
#2	.0000	.0697	.0202	.0073	.2145	.7151	-.0001	222.1

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0006	-.0002	.0000	.0003	71.19	19.36	40.91	13.81
Stddev	.0000	.0000	.0005	.0001	.31	.17	.09	.31
%RSD	7.038	16.85	1203.	33.90	.4308	.8550	.2157	2.273
#1	.0006	-.0002	-.0003	.0002	71.40	19.48	40.97	13.59
#2	.0007	-.0002	.0004	.0004	70.97	19.25	40.84	14.03

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0002	F 400.7	.0002	-.0008	-.0098	F -.0562	.6236	-.0009
Stddev	.0000	10.8	.0000	.0010	.0009	.0002	.0005	.0004
%RSD	20.05	2.701	19.25	118.7	8.741	.2945	.0760	39.35
#1	.0001	408.4	.0001	-.0015	-.0092	-.0561	.6233	-.0007
#2	.0002	393.1	.0002	-.0001	-.0104	-.0563	.6240	-.0012

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	-.0001	7.777	.0004	.9594	.0016	-.0005	.0001	.0150
Stddev	.0006	.000	.0001	.0051	.0001	.0005	.0005	.0056
%RSD	879.5	.0042	33.05	.5276	5.221	92.29	993.8	37.21
#1	.0003	7.777	.0006	.9630	.0017	-.0002	-.0003	.0189
#2	-.0005	7.777	.0003	.9558	.0016	-.0008	.0004	.0111

Elem	Zn2062	Zr3391
Avg	.0016	-.0410
Stddev	.0000	.0004
%RSD	2.541	1.006
#1	.0016	-.0413
#2	.0016	-.0407

Zoom In Zoom Out

Sample Name: MC26860-2 Acquired: 12/12/2013 20:17:47 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3824.9**	**101680.**	**8203.1**
Stddev	3.5	1329.	82.5
%RSD	.09182	1.3072	1.0059
#1	3827.4	102620.	8144.7
#2	3822.4	100740.	8261.4

Zoom In Zoom Out

Sample Name: MC26861-1 Acquired: 12/12/2013 20:22:52 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.1032**	**.0011**	**-.0013**	**.0348**	**.2052**	**.0000**	**86.03**	**.0002**
Stddev	.0001	.0098	.0005	.0019	.0003	.0008	.000	.01	.0000
%RSD	69.06	9.472	50.98	149.3	.8147	.3783	400.7	.0100	9.203
#1	-.0002	.0963	.0015	-.0026	.0350	.2058	-.0001	86.02	.0002
#2	-.0001	.1101	.0007	.0001	.0346	.2047	.0001	86.03	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0008**	**.0057**	**1.906**	**5.096**	**12.74**	**.1151**	**.0028**	F **630.2**
Stddev	.0000	.0002	.0000	.013	.064	.02	.0001	.0000	3.9
%RSD	5.053	23.11	.5798	.6747	1.249	.1803	.1288	1.581	.6198
#1	-.0001	.0007	.0057	1.896	5.141	12.73	.1149	.0028	633.0
#2	-.0001	.0009	.0057	1.915	5.051	12.76	.1152	.0029	627.5

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0004**	**.0004**	**-.0054**	**.0071**	F **22.69**	**.0002**	**.0033**	**4.495**	**.0000**
Stddev	.0000	.0003	.0009	.0039	.02	.0004	.0001	.001	.000
%RSD	4.172	81.93	16.76	54.10	.1014	281.5	4.031	.0243	74.52
#1	.0004	.0007	-.0048	.0099	22.68	.0005	.0032	4.494	-.0001
#2	.0004	.0002	-.0060	.0044	22.71	-.0002	.0034	4.496	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2951**	**.0013**	**.0001**	**.0001**	**-.0001**	**.0067**	**-.0232**
Stddev	.0001	.0001	.0003	.0002	.0031	.0000	.0003
%RSD	.0300	10.89	588.1	182.4	3266.	.5422	1.226
#1	.2952	.0012	-.0002	.0003	-.0023	.0068	-.0230
#2	.2950	.0014	.0003	.0000	.0021	.0067	-.0234

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3844.0**	**101780.**	**8214.7**
Stddev	8.9	303.	37.7
%RSD	.23265	.29806	.45945
#1	3837.6	101560.	8188.0
#2	3850.3	101990.	8241.4

Zoom In Zoom Out

Sample Name: MC26861-2 Acquired: 12/12/2013 20:27:51 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	**.0000**	**.1201**	**.0179**	**.0074**	**.1693**	**.5406**	**.0000**	**272.2**
Stddev	.000	.0296	.0001	.0004	.0002	.0606	.0000	29.8
%RSD	869.1	24.62	.5437	5.123	.1372	11.21	28.48	10.94
#1	.0002	.1411	.0178	.0072	.1694	.5835	.0000	293.3
#2	-.0002	.0992	.0180	.0077	.1691	.4978	.0000	251.2

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	**.0002**	**-.0001**	**.0002**	**.0008**	**14.40**	**15.96**	**58.50**	**12.88**
Stddev	.0000	.0000	.0001	.0003	1.52	1.66	6.52	.03
%RSD	27.58	16.60	54.56	41.40	10.53	10.38	11.14	.1939
#1	.0001	-.0001	.0003	.0010	15.47	17.13	63.11	12.86
#2	.0002	-.0001	.0001	.0005	13.32	14.79	53.89	12.90

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	**.0042**	F **426.9**	**-.0001**	**-.0007**	**-.0155**	F **-.0503**	**.3560**	**-.0005**
Stddev	.0001	37.9	.0001	.0000	.0012	.0021	.0025	.0007
%RSD	2.751	8.869	73.37	4.278	7.781	4.257	.7108	137.4
#1	.0042	453.7	.0000	-.0007	-.0164	-.0518	.3578	-.0010
#2	.0041	400.1	-.0001	-.0007	-.0147	-.0488	.3542	.0000

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	**-.0003**	**7.651**	**.0002**	**1.298**	**.0031**	**-.0002**	**.0003**	**.0040**
Stddev	.0009	.001	.0003	.142	.0000	.0003	.0001	.0004
%RSD	291.0	.0085	149.5	10.92	.7581	178.8	19.76	10.98
#1	.0003	7.651	.0004	1.398	.0031	.0000	.0002	.0043
#2	-.0010	7.652	.0000	1.197	.0031	-.0004	.0003	.0037

Elem	Zn2062	Zr3391
Avg	**.0017**	**-.0421**
Stddev	.0002	.0001
%RSD	10.63	.2710
#1	.0015	-.0420
#2	.0018	-.0422

Zoom In Zoom Out

Sample Name: MC26861-2 Acquired: 12/12/2013 20:27:51 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3783.8**	**103110.**	**7733.1**
Stddev	5.0	76.	705.9
%RSD	.13307	.07412	9.1289
#1	3780.2	103170.	7233.9
#2	3787.4	103060.	8232.3

Zoom In Zoom Out

Sample Name: MC26861-3 Acquired: 12/12/2013 20:32:56 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	**.0001**	**.1268**	**.0189**	**.0074**	**.1717**	**.5068**	**.0000**	**254.4**
Stddev	.0006	.0228	.0001	.0017	.0008	.0023	.000	.5
%RSD	460.7	17.94	.7882	23.10	.4532	.4488	76.32	.2071
#1	.0005	.1108	.0190	.0086	.1722	.5051	.0000	254.0
#2	-.0003	.1429	.0188	.0062	.1711	.5084	.0000	254.8

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	**.0003**	**-.0001**	**.0002**	**.0005**	**13.38**	**14.93**	**54.18**	**13.08**
Stddev	.0000	.0000	.0002	.0001	.01	.04	.09	.05
%RSD	2.113	17.44	94.45	28.16	.0938	.2993	.1636	.3965
#1	.0003	-.0001	.0003	.0004	13.37	14.90	54.24	13.05
#2	.0003	-.0001	.0001	.0006	13.39	14.96	54.12	13.12

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	**.0041**	F **413.8**	**-.0001**	**-.0010**	**-.0153**	F **-.0508**	**.3507**	**-.0009**
Stddev	.0000	4.1	.0002	.0008	.0018	.0026	.0005	.0007
%RSD	.7182	.9873	166.9	76.63	11.47	5.095	.1563	81.74
#1	.0041	410.9	-.0003	-.0004	-.0140	-.0490	.3511	-.0014
#2	.0041	416.7	.0000	-.0015	-.0165	-.0526	.3503	-.0004

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	**.0002**	**7.785**	**.0001**	**1.206**	**.0027**	**-.0004**	**.0003**	**.0041**
Stddev	.0001	.017	.0000	.001	.0000	.0003	.0004	.0020
%RSD	67.44	.2217	23.21	.0549	.0249	78.56	144.5	49.71
#1	.0002	7.797	.0001	1.206	.0027	-.0006	.0000	.0056
#2	.0001	7.773	.0001	1.206	.0027	-.0002	.0006	.0027

Elem	Zn2062	Zr3391
Avg	**.0007**	**-.0428**
Stddev	.0001	.0001
%RSD	8.017	.3364
#1	.0007	-.0429
#2	.0008	-.0427

Zoom In Zoom Out

Sample Name: MC26861-3 Acquired: 12/12/2013 20:32:56 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3764.5**	**103000.**	**8247.9**
Stddev	9.0	181.	24.7
%RSD	.24036	.17569	.29896
#1	3758.1	103130.	8265.4
#2	3770.9	102870.	8230.5

Zoom In Zoom Out

Sample Name: MC26861-4 Acquired: 12/12/2013 20:38:01 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**.1008**	**.0137**	**-.0013**	**.0759**	**.1408**	**.0000**	**105.2**	**.0003**
Stddev	.0003	.0107	.0011	.0003	.0003	.0010	.000	1.2	.0000
%RSD	145.0	10.57	7.690	22.02	.4323	.6987	160.3	1.176	4.969
#1	.0000	.0933	.0145	-.0015	.0762	.1401	.0000	104.3	.0003
#2	.0005	.1084	.0130	-.0011	.0757	.1414	.0000	106.0	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0144**	**.0013**	**.0016**	**2.972**	**9.282**	**12.64**	**.3979**	**.0036**	F **252.9**
Stddev	.0001	.0001	.0002	.061	.050	.18	.0043	.0000	2.8
%RSD	.7546	11.21	14.47	2.039	.5360	1.423	1.070	.6187	1.090
#1	.0143	.0012	.0014	2.930	9.247	12.51	.4009	.0036	250.9
#2	.0145	.0014	.0018	3.015	9.318	12.77	.3949	.0037	254.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0478**	**.0012**	**-.0053**	**.0005**	**7.637**	**-.0001**	**.0022**	**13.75**	**.0001**
Stddev	.0002	.0003	.0017	.0015	.027	.0007	.0003	.04	.0001
%RSD	.4228	28.02	31.92	286.6	.3537	648.1	14.25	.3010	213.5
#1	.0476	.0014	-.0041	-.0006	7.618	-.0006	.0020	13.72	.0000
#2	.0479	.0009	-.0065	.0016	7.656	.0004	.0024	13.78	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4416**	**.0019**	**-.0010**	**.0023**	**.0028**	**.0620**	**-.0773**
Stddev	.0055	.0002	.0001	.0002	.0009	.0001	.0007
%RSD	1.236	11.88	9.627	6.725	31.97	.2303	.8990
#1	.4378	.0021	-.0010	.0022	.0022	.0619	-.0768
#2	.4455	.0017	-.0011	.0024	.0034	.0621	-.0777

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3897.5**	**106180.**	**8447.2**
Stddev	6.8	464.	71.9
%RSD	.17326	.43688	.85130
#1	3902.2	105850.	8498.1
#2	3892.7	106510.	8396.4

Zoom In Zoom Out

Sample Name: MC26890-1 Acquired: 12/12/2013 20:43:01 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0001**	**.1458**	**.0023**	**-.0008**	**.0610**	**.1508**	**.0000**	**111.1**	**.0004**
Stddev	.0005	.0045	.0003	.0012	.0001	.0003	.000	.2	.0001
%RSD	984.7	3.085	13.09	150.4	.0990	.2161	78.70	.2063	15.96
#1	.0004	.1426	.0025	-.0017	.0609	.1510	.0000	110.9	.0004
#2	-.0003	.1490	.0020	.0001	.0610	.1505	-.0001	111.3	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0009**	**.0012**	**13.16**	**5.163**	**10.40**	**.8266**	**.0003**	**184.1**
Stddev	.0000	.0000	.0001	.11	.053	.05	.0048	.0001	.3
%RSD	16.08	4.608	9.167	.8703	1.020	.4959	.5860	20.04	.1760
#1	.0002	.0009	.0011	13.08	5.201	10.36	.8300	.0002	183.8
#2	.0001	.0009	.0012	13.24	5.126	10.43	.8231	.0003	184.3

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0003**	**-.0005**	**-.0042**	**-.0035**	**2.040**	**-.0004**	**.0008**	**13.79**	**.0002**
Stddev	.0001	.0002	.0005	.0002	.002	.0001	.0000	.00	.0000
%RSD	33.26	47.08	13.03	5.268	.0781	19.73	3.229	.0234	.9958
#1	.0003	-.0006	-.0045	-.0034	2.041	-.0004	.0008	13.79	.0002
#2	.0002	-.0003	-.0038	-.0036	2.039	-.0003	.0008	13.78	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3345**	**.0021**	**-.0017**	**.0017**	**.0036**	**.0159**	**-.0772**
Stddev	.0019	.0002	.0001	.0005	.0052	.0000	.0002
%RSD	.5676	9.730	4.583	30.64	146.9	.2563	.2875
#1	.3331	.0019	-.0017	.0013	-.0001	.0159	-.0770
#2	.3358	.0022	-.0018	.0020	.0073	.0159	-.0774

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3930.0**	**106070.**	**8283.7**
Stddev	.3	173.	41.5
%RSD	.00785	.16316	.50151
#1	3930.2	105950.	8254.3
#2	3929.8	106190.	8313.1

Zoom In Zoom Out

Sample Name: MC26890-2 Acquired: 12/12/2013 20:47:53 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.1317**	**.0167**	**-.0025**	**.1775**	**3.629**	**-.0001**	**137.3**	**.0011**
Stddev	.000	.0155	.0001	.0003	.0001	.036	.0001	1.6	.0000
%RSD	214.0	11.75	.4618	11.13	.0517	.9976	48.85	1.168	2.486
#1	.0000	.1208	.0166	-.0023	.1776	3.655	-.0002	138.4	.0010
#2	.0000	.1427	.0168	-.0027	.1774	3.604	-.0001	136.1	.0011

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0008**	**.0017**	**13.78**	**6.604**	**27.38**	**.6924**	**.0011**	**163.2**
Stddev	.0000	.0002	.0000	.15	.061	.38	.0156	.0000	1.1
%RSD	56.42	20.16	.5297	1.096	.9186	1.370	2.250	3.086	.6759
#1	.0001	.0009	.0017	13.89	6.647	27.65	.6814	.0011	163.9
#2	.0000	.0007	.0017	13.68	6.561	27.12	.7034	.0010	162.4

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0003**	**-.0007**	**-.0063**	**-.0042**	**5.314**	**-.0005**	**.0008**	**8.614**	**.0004**
Stddev	.0000	.0001	.0001	.0069	.005	.0005	.0000	.011	.0000
%RSD	15.40	13.20	2.081	163.3	.0911	96.29	2.063	.1281	7.623
#1	.0002	-.0008	-.0064	.0007	5.310	-.0002	.0008	8.622	.0004
#2	.0003	-.0007	-.0062	-.0091	5.317	-.0008	.0008	8.606	.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.6296**	**.0021**	**-.0006**	**.0002**	**.0002**	**.0027**	**-.0480**
Stddev	.0063	.0004	.0003	.0001	.0034	.0001	.0006
%RSD	.9970	20.14	43.61	25.87	1524.	5.032	1.308
#1	.6340	.0018	-.0008	.0002	-.0022	.0028	-.0484
#2	.6251	.0024	-.0004	.0003	.0027	.0026	-.0475

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3891.8**	**105510.**	**8218.7**
Stddev	.2	2349.	101.5
%RSD	.00437	2.2267	1.2350
#1	3891.9	107170.	8147.0
#2	3891.7	103850.	8290.5

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 20:52:45 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2440**	**9.708**	**1.982**	**-.0017**	**1.982**	**1.999**	**2.011**	**9.874**	**2.029**
Stddev	.0112	.264	.003	.0004	.003	.039	.052	.252	.002
%RSD	4.607	2.719	.1462	22.86	.1681	1.946	2.577	2.549	.1033
#1	.2360	9.895	1.980	-.0020	1.980	2.027	2.047	10.05	2.027
#2	.2519	9.522	1.984	-.0015	1.984	1.972	1.974	9.696	2.030

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.096**	**1.908**	**1.844**	**9.785**	**10.38**	**9.646**	**1.948**	**2.006**	**10.08**
Stddev	.004	.087	.088	.252	.20	.230	.086	.007	.19
%RSD	.1888	4.587	4.781	2.570	1.884	2.381	4.388	.3711	1.927
#1	2.093	1.847	1.781	9.963	10.52	9.809	1.888	2.001	10.21
#2	2.099	1.970	1.906	9.607	10.24	9.484	2.009	2.012	9.938

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.958**	**1.958**	**.0001**	**-.0060**	**.0100**	**2.001**	**2.016**	**.0121**	**2.017**
Stddev	.002	.001	.0000	.0002	.0013	.002	.002	.0041	.004
%RSD	.1139	.0311	28.88	3.781	12.62	.0868	.1118	34.20	.1752
#1	1.956	1.958	.0001	-.0062	.0109	2.000	2.014	.0150	2.015
#2	1.959	1.959	.0001	-.0059	.0091	2.003	2.018	.0092	2.020

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	F **1.788**	**1.918**	**1.962**	**1.919**	**-.0052**	**2.018**	**-.0072**
Stddev	.043	.090	.005	.088	.0026	.003	.0008
%RSD	2.407	4.671	.2616	4.586	49.42	.1634	11.42
#1	1.818	1.854	1.959	1.857	-.0070	2.015	-.0078
#2	1.757	1.981	1.966	1.982	-.0034	2.020	-.0066

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4123.2**	**111350.**	**8421.8**
Stddev	4.1	3901.	193.9
%RSD	.09916	3.5030	2.3022
#1	4126.1	114110.	8284.7
#2	4120.3	108590.	8558.9

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 20:57:30 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0003**	**.0126**	**.0000**	**.0000**	**.0016**	**.0001**	**.0001**	**-.0003**	**.0001**
Stddev	.0004	.0035	.0000	.000	.0000	.0001	.0000	.0086	.0000
%RSD	128.1	27.88	15.44	151.3	2.556	139.0	64.33	3379.	4.062
#1	.0000	.0151	.0000	.0000	.0016	.0000	.0000	-.0063	.0001
#2	-.0005	.0101	.0000	-.0001	.0016	.0002	.0001	.0058	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0001**	**-.0001**	**.0012**	**.4714**	**.0070**	**.0001**	**.0029**	**.2235**
Stddev	.0001	.0002	.0000	.0032	.0090	.0063	.0001	.0008	.0164
%RSD	78.95	193.5	28.72	264.4	1.906	90.10	56.85	25.92	7.343
#1	.0001	.0002	-.0001	-.0010	.4778	.0025	.0001	.0035	.2351
#2	.0003	.0000	-.0001	.0034	.4650	.0114	.0002	.0024	.2119

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0002**	**.0005**	**-.0013**	**.0040**	**.0109**	**-.0001**	**.0004**	**-.0012**	**.0007**
Stddev	.0000	.0003	.0006	.0005	.0014	.0006	.0001	.0003	.0001
%RSD	14.43	69.25	42.17	12.29	13.17	478.2	35.06	25.83	16.75
#1	.0002	.0007	-.0017	.0043	.0119	-.0006	.0004	-.0014	.0006
#2	.0002	.0002	-.0009	.0036	.0099	.0003	.0003	-.0010	.0008

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0002**	**.0009**	**-.0002**	**-.0027**	**.0002**	**-.0003**
Stddev	.0000	.0002	.0003	.0000	.0047	.0000	.0007
%RSD	24.29	78.51	28.42	8.144	178.1	2.717	226.6
#1	.0001	.0004	.0007	-.0002	.0007	.0002	.0002
#2	.0001	.0001	.0011	-.0002	-.0060	.0002	-.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4138.2**	**109710.**	**8323.3**
Stddev	19.5	179.	238.6
%RSD	.47103	.16331	2.8663
#1	4152.0	109580.	8154.6
#2	4124.4	109830.	8492.0

Zoom In Zoom Out

Sample Name: MC26890-3 Acquired: 12/12/2013 21:02:29 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	**.0000**	**.0529**	**.0019**	**.0094**	**.0884**	**.4311**	**-.0001**	**305.6**
Stddev	.000	.0302	.0006	.0003	.0000	.0016	.0001	1.3
%RSD	731.5	57.11	30.49	3.248	.0136	.3818	122.3	.4144
#1	-.0002	.0742	.0015	.0096	.0884	.4322	.0000	306.5
#2	.0001	.0315	.0023	.0092	.0884	.4299	-.0001	304.7

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	**.0008**	**.0032**	**.0002**	**.0007**	**.1104**	**24.20**	**104.7**	F **14.97**
Stddev	.0000	.0001	.0003	.0001	.0034	.03	.5	.16
%RSD	5.863	3.888	173.7	16.63	3.070	.1431	.4726	1.069
#1	.0007	.0032	.0004	.0008	.1080	24.22	105.1	15.08
#2	.0008	.0031	.0000	.0007	.1128	24.17	104.4	14.85

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	**.0019**	F **703.5**	**.0035**	**-.0013**	**-.0212**	F **-.0598**	**9.325**	**-.0016**
Stddev	.0000	5.6	.0001	.0002	.0008	.0001	.043	.0007
%RSD	.8625	.7930	3.494	11.48	3.602	.2413	.4600	47.13
#1	.0019	707.5	.0035	-.0012	-.0217	-.0597	9.356	-.0011
#2	.0019	699.6	.0034	-.0014	-.0206	-.0600	9.295	-.0021

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	**-.0018**	**4.032**	**-.0002**	**1.843**	**.0024**	**.0008**	**-.0002**	**-.0010**
Stddev	.0001	.018	.0002	.011	.0003	.0005	.0001	.0022
%RSD	8.466	.4477	109.8	.5860	12.51	61.32	37.86	227.8
#1	-.0017	4.045	.0000	1.850	.0022	.0004	-.0003	.0006
#2	-.0019	4.019	-.0003	1.835	.0026	.0011	-.0002	-.0026

Elem	Zn2062	Zr3391
Avg	**.0005**	**-.0193**
Stddev	.0000	.0007
%RSD	3.340	3.853
#1	.0005	-.0188
#2	.0005	-.0198

Zoom In Zoom Out

Sample Name: MC26890-3 Acquired: 12/12/2013 21:02:29 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3654.8**	**97936.**	**7943.7**
Stddev	18.9	686.	52.6
%RSD	.51807	.70045	.66164
#1	3641.4	97451.	7906.5
#2	3668.1	98421.	7980.8

Zoom In Zoom Out

Sample Name: MC26926-1 Acquired: 12/12/2013 21:07:33 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.0848**	**.0112**	**-.0016**	**.1102**	**.1917**	**.0000**	**171.6**	**-.0002**
Stddev	.000	.0175	.0001	.0005	.0005	.0048	.0001	2.8	.0001
%RSD	1185.	20.63	1.134	31.57	.4360	2.496	1153.	1.617	51.96
#1	.0001	.0725	.0113	-.0020	.1106	.1883	.0000	169.7	-.0001
#2	-.0001	.0972	.0111	-.0012	.1099	.1951	.0000	173.6	-.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0010**	**.0004**	**.0004**	**44.68**	**3.858**	**32.65**	**4.915**	**.0022**	**118.8**
Stddev	.0000	.0003	.0003	.36	.022	.44	.039	.0002	2.5
%RSD	.1118	70.30	75.82	.7990	.5814	1.362	.7837	7.781	2.102
#1	.0010	.0002	.0006	44.43	3.842	32.34	4.887	.0023	117.1
#2	.0010	.0006	.0002	44.93	3.874	32.97	4.942	.0020	120.6

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0002**	**-.0010**	**-.0068**	**-.0166**	**1.214**	**-.0013**	**.0009**	**10.03**	**.0002**
Stddev	.0001	.0002	.0008	.0004	.003	.0004	.0002	.01	.0000
%RSD	37.08	18.84	11.91	2.122	.2607	26.99	26.48	.1260	16.09
#1	.0001	-.0012	-.0063	-.0164	1.216	-.0016	.0011	10.04	.0002
#2	.0002	-.0009	-.0074	-.0169	1.212	-.0011	.0008	10.02	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.7467**	**.0016**	**-.0007**	**.0007**	**.0052**	**.0028**	**-.0546**
Stddev	.0133	.0001	.0001	.0001	.0022	.0001	.0004
%RSD	1.787	6.063	9.890	14.02	43.20	1.962	.7306
#1	.7373	.0017	-.0007	.0007	.0068	.0028	-.0549
#2	.7561	.0015	-.0006	.0006	.0036	.0028	-.0543

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3949.0**	**105330.**	**8249.7**
Stddev	6.8	165.	96.9
%RSD	.17131	.15628	1.1740
#1	3944.2	105450.	8318.1
#2	3953.8	105210.	8181.2

Zoom In Zoom Out

Sample Name: MC26926-2 Acquired: 12/12/2013 21:12:32 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.0654**	**.0089**	**-.0008**	**.1979**	**.2798**	**.0000**	**65.96**	**.0002**
Stddev	.0000	.0011	.0009	.0002	.0002	.0016	.000	.15	.0000
%RSD	9.544	1.610	9.597	26.47	.1189	.5803	99.78	.2271	14.74
#1	-.0001	.0661	.0083	-.0006	.1981	.2787	-.0001	65.85	.0003
#2	-.0001	.0646	.0095	-.0009	.1977	.2810	.0000	66.06	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0009**	**.0007**	**.0011**	**5.621**	**19.91**	**6.185**	**1.012**	**.0029**	**146.7**
Stddev	.0000	.0001	.0001	.043	.09	.040	.011	.0001	.1
%RSD	4.197	18.96	10.66	.7698	.4583	.6439	1.095	3.883	.0971
#1	.0009	.0006	.0012	5.590	19.85	6.213	1.020	.0028	146.6
#2	.0010	.0008	.0010	5.652	19.98	6.157	1.004	.0030	146.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0200**	**.0033**	**-.0041**	**-.0016**	**10.11**	**.0004**	**.0015**	**10.39**	**.0002**
Stddev	.0000	.0004	.0002	.0002	.01	.0000	.0004	.01	.0001
%RSD	.0016	12.68	4.426	12.46	.0878	.6463	25.65	.0731	27.28
#1	.0200	.0030	-.0040	-.0014	10.10	.0004	.0012	10.39	.0002
#2	.0200	.0036	-.0042	-.0017	10.11	.0004	.0018	10.40	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2599**	**.0012**	**-.0015**	**.0019**	**.0021**	**.0039**	**-.0589**
Stddev	.0002	.0002	.0002	.0001	.0001	.0001	.0009
%RSD	.0681	16.70	15.40	4.837	4.128	1.600	1.487
#1	.2600	.0011	-.0017	.0020	.0022	.0039	-.0583
#2	.2597	.0014	-.0013	.0019	.0021	.0039	-.0596

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3985.4**	**107380.**	**8480.1**
Stddev	4.2	974.	82.1
%RSD	.10661	.90691	.96788
#1	3988.4	106690.	8538.1
#2	3982.4	108060.	8422.0

Zoom In Zoom Out

Sample Name: MC26926-3 Acquired: 12/12/2013 21:17:26 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**.4195**	**.0109**	**-.0029**	**.1572**	**.3549**	**.0000**	**188.4**	**-.0002**
Stddev	.0004	.0150	.0004	.0010	.0006	.0031	.000	1.8	.0000
%RSD	177.7	3.576	3.478	33.72	.3882	.8729	140.1	.9562	5.753
#1	.0005	.4301	.0112	-.0022	.1576	.3527	-.0001	187.1	-.0002
#2	-.0001	.4089	.0106	-.0036	.1568	.3571	.0000	189.7	-.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0014**	**.0021**	**.0034**	**56.24**	**14.15**	**33.84**	**1.889**	**.0001**	F **345.0**
Stddev	.0000	.0003	.0000	.55	.12	.22	.002	.0000	3.7
%RSD	2.902	13.35	.7966	.9853	.8606	.6452	.1038	6.750	1.072
#1	.0015	.0023	.0033	55.84	14.07	33.69	1.888	.0001	342.4
#2	.0014	.0019	.0034	56.63	14.24	34.00	1.890	.0002	347.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0002**	**.0002**	**-.0048**	**-.0032**	**9.201**	**-.0010**	**.0025**	**13.93**	**.0002**
Stddev	.0001	.0008	.0006	.0017	.001	.0006	.0001	.01	.0001
%RSD	71.63	497.3	11.42	52.58	.0138	63.75	2.747	.0647	30.97
#1	-.0001	.0008	-.0044	-.0020	9.202	-.0014	.0025	13.94	.0002
#2	-.0002	-.0004	-.0052	-.0043	9.200	-.0005	.0024	13.93	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.034**	**.0083**	**-.0002**	**.0015**	**.0100**	**.0066**	**-.0766**
Stddev	.010	.0005	.0001	.0007	.0012	.0000	.0003
%RSD	.9958	6.034	23.30	50.26	12.44	.6635	.3626
#1	1.027	.0087	-.0002	.0020	.0091	.0067	-.0768
#2	1.041	.0080	-.0003	.0009	.0109	.0066	-.0764

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3840.8**	**103530.**	**8223.9**
Stddev	.7	93.	75.4
%RSD	.01721	.09002	.91679
#1	3840.3	103600.	8277.2
#2	3841.2	103460.	8170.6

Zoom In Zoom Out

Sample Name: MC26946-1 Acquired: 12/12/2013 21:22:24 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0005**	**.0621**	**-.0010**	**.0010**	**2.187**	**.0371**	**.0000**	**210.6**	**.0002**
Stddev	.0001	.0178	.0015	.0008	.007	.0005	.000	2.3	.0000
%RSD	18.93	28.66	144.3	73.78	.3309	1.275	250.3	1.110	13.33
#1	.0004	.0747	.0000	.0016	2.182	.0367	-.0001	209.0	.0002
#2	.0006	.0495	-.0021	.0005	2.193	.0374	.0000	212.3	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0004**	**.0007**	**.0008**	**3.127**	**2.124**	**36.59**	**5.244**	**.0000**	**182.6**
Stddev	.0001	.0001	.0002	.041	.032	.43	.006	.0000	2.0
%RSD	24.13	16.64	22.92	1.297	1.516	1.185	.1145	21700.	1.094
#1	-.0003	.0006	.0007	3.098	2.102	36.28	5.249	.0000	181.2
#2	-.0004	.0008	.0010	3.156	2.147	36.90	5.240	.0000	184.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0004**	**.0009**	**-.0133**	**-.0201**	**1.377**	**.0007**	**.0005**	**27.01**	**-.0001**
Stddev	.0001	.0001	.0011	.0025	.006	.0007	.0008	.07	.0001
%RSD	18.01	12.31	7.928	12.21	.4178	100.2	141.3	.2690	79.78
#1	-.0003	.0010	-.0126	-.0183	1.373	.0011	.0000	26.96	.0000
#2	-.0004	.0008	-.0141	-.0218	1.381	.0002	.0011	27.06	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.6494**	**.0020**	**-.0006**	**.0009**	**-.0023**	**.0078**	**-.1500**
Stddev	.0054	.0001	.0002	.0000	.0005	.0001	.0011
%RSD	.8263	5.024	38.90	3.872	23.72	1.436	.7178
#1	.6456	.0021	-.0008	.0008	-.0027	.0077	-.1492
#2	.6532	.0019	-.0005	.0009	-.0019	.0078	-.1508

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3872.7**	**105340.**	**8324.2**
Stddev	6.2	911.	73.2
%RSD	.16054	.86469	.87989
#1	3877.1	104700.	8375.9
#2	3868.3	105990.	8272.4

Zoom In Zoom Out

Sample Name: MC26975-3 Acquired: 12/12/2013 21:27:23 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.0090**	**-.0002**	**-.0004**	**.0023**	**-.0001**	**.0000**	**.0166**	**.0001**
Stddev	.0001	.0019	.0002	.0001	.0003	.0002	.000	.0025	.0000
%RSD	75.40	21.33	75.16	16.68	13.65	192.2	1.281	15.10	21.19
#1	-.0001	.0076	-.0001	-.0005	.0025	.0000	.0000	.0184	.0001
#2	-.0003	.0104	-.0004	-.0004	.0021	-.0003	.0000	.0148	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0001**	**.0000**	**.0072**	**.3039**	**.0035**	**.0003**	**.0000**	**.3846**
Stddev	.0000	.0001	.0004	.0038	.0390	.0091	.0000	.0002	.0057
%RSD	44.15	205.3	6068.	53.23	12.85	259.7	16.36	544.0	1.488
#1	.0001	.0001	-.0003	.0045	.3315	.0099	.0003	.0001	.3887
#2	.0001	.0000	.0003	.0099	.2763	-.0029	.0003	-.0001	.3806

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0001**	**-.0003**	**-.0007**	**.0017**	**.0097**	**.0005**	**.0010**	**.0351**	**.0004**
Stddev	.0000	.0004	.0000	.0007	.0013	.0003	.0000	.0008	.0003
%RSD	24.40	136.2	4.505	40.35	13.93	50.02	2.826	2.346	74.08
#1	-.0001	-.0006	-.0007	.0022	.0106	.0003	.0010	.0357	.0005
#2	-.0001	.0000	-.0007	.0012	.0087	.0007	.0010	.0346	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0002**	**-.0013**	**.0000**	**.0010**	**.0052**	**.0001**
Stddev	.000	.0000	.0002	.000	.0017	.0001	.0018
%RSD	765.7	11.55	14.34	1010.	165.8	1.045	2965.
#1	.0000	.0002	-.0014	.0001	-.0002	.0052	-.0012
#2	-.0001	.0002	-.0012	-.0001	.0022	.0051	.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4082.4**	**106700.**	**8382.6**
Stddev	1.5	4484.	11.0
%RSD	.03596	4.2028	.13136
#1	4081.3	109870.	8390.4
#2	4083.4	103530.	8374.8

Zoom In Zoom Out

Sample Name: MC26979-2 Acquired: 12/12/2013 21:32:22 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.0738**	**-.0002**	**-.0008**	**.5326**	**.3456**	**.0000**	**78.17**	**.0004**
Stddev	.000	.0148	.0005	.0004	.0033	.0010	.0000	.17	.0000
%RSD	586.3	20.05	231.8	52.48	.6208	.2953	231.9	.2196	6.086
#1	-.0001	.0634	.0001	-.0011	.5303	.3463	.0001	78.05	.0004
#2	.0001	.0843	-.0006	-.0005	.5350	.3449	.0000	78.30	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0011**	**.0012**	**.0285**	**13.83**	**7.868**	**.1381**	**.0006**	F **552.5**
Stddev	.0001	.0003	.0003	.0031	.02	.040	.0006	.0001	8.8
%RSD	51.58	24.20	23.49	10.98	.1577	.5128	.4313	15.79	1.586
#1	.0002	.0009	.0014	.0263	13.84	7.896	.1385	.0005	558.7
#2	.0001	.0012	.0010	.0308	13.81	7.839	.1377	.0006	546.3

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0003**	**-.0006**	**-.0045**	**.0001**	**9.910**	**.0000**	**.0011**	**5.861**	**.0000**
Stddev	.0001	.0001	.0005	.0003	.051	.000	.0013	.030	.000
%RSD	36.96	8.215	11.21	522.2	.5103	292.5	117.1	.5101	108.0
#1	.0002	-.0006	-.0042	-.0002	9.875	.0001	.0020	5.840	.0000
#2	.0004	-.0006	-.0049	.0003	9.946	-.0001	.0002	5.883	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4352**	**.0008**	**-.0002**	**-.0001**	**.0004**	**.0130**	**-.0306**
Stddev	.0020	.0001	.0002	.0001	.0046	.0000	.0000
%RSD	.4654	7.785	83.66	49.64	1210.	.1068	.1273
#1	.4337	.0008	-.0004	-.0002	.0037	.0130	-.0306
#2	.4366	.0009	-.0001	-.0001	-.0029	.0130	-.0305

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3840.4**	**101870.**	**8195.4**
Stddev	15.4	339.	22.8
%RSD	.40000	.33232	.27844
#1	3851.2	101630.	8179.2
#2	3829.5	102110.	8211.5

Zoom In Zoom Out

Sample Name: MC26979-4 Acquired: 12/12/2013 21:37:22 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0003**	**.0336**	**.0001**	**-.0005**	**.2629**	**.0497**	**.0000**	**22.86**	**.0002**
Stddev	.0001	.0211	.0002	.0005	.0008	.0003	.000	.06	.0001
%RSD	45.88	62.86	270.9	109.7	.2944	.5079	23.36	.2782	36.29
#1	-.0002	.0486	-.0001	-.0001	.2635	.0495	.0000	22.81	.0001
#2	-.0004	.0187	.0002	-.0008	.2624	.0499	-.0001	22.90	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0006**	**.0003**	**.0004**	**.2073**	**5.435**	**1.684**	**.5811**	**.0048**	**115.0**
Stddev	.0001	.0003	.0001	.0038	.046	.004	.0081	.0001	.4
%RSD	14.22	125.7	25.24	1.819	.8533	.2535	1.393	1.149	.3676
#1	.0006	.0005	.0005	.2047	5.402	1.681	.5754	.0048	115.3
#2	.0007	.0000	.0004	.2100	5.468	1.687	.5868	.0047	114.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0028**	**.0000**	**-.0018**	**.0004**	**11.79**	**.0001**	**.0012**	**5.092**	**.0002**
Stddev	.0000	.0004	.0024	.0010	.06	.0001	.0001	.023	.0001
%RSD	.0272	4734.	128.2	220.9	.4899	116.0	9.790	.4601	43.80
#1	.0028	-.0003	-.0035	.0011	11.83	.0000	.0013	5.109	.0001
#2	.0028	.0003	-.0002	-.0002	11.75	.0002	.0011	5.075	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1077**	**.0004**	**-.0009**	**.0001**	**.0024**	**.0134**	**-.0286**
Stddev	.0001	.0001	.0001	.0002	.0030	.0001	.0002
%RSD	.0718	15.47	12.06	436.4	121.8	.4940	.8351
#1	.1076	.0003	-.0009	-.0001	.0003	.0135	-.0288
#2	.1078	.0004	-.0008	.0002	.0046	.0134	-.0285

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4013.2**	**106820.**	**8324.2**
Stddev	16.1	1272.	22.2
%RSD	.40053	1.1908	.26687
#1	4001.8	107720.	8339.9
#2	4024.5	105920.	8308.5

Zoom In Zoom Out

Sample Name: MC26997-7F Acquired: 12/12/2013 21:42:16 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.1002**	**.0006**	**.0001**	**.0169**	**.0095**	**-.0001**	**17.47**	**.0001**
Stddev	.0003	.0123	.0006	.0003	.0000	.0000	.0000	.06	.0000
%RSD	138.0	12.31	104.4	336.6	.0737	.3654	13.12	.3416	17.24
#1	-.0004	.1089	.0002	-.0001	.0170	.0095	-.0001	17.51	.0001
#2	.0000	.0914	.0010	.0003	.0169	.0095	-.0001	17.43	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0006**	**.0112**	**.1168**	**1.997**	**1.149**	**.0104**	**.0083**	**27.50**
Stddev	.0001	.0002	.0001	.0023	.003	.049	.0001	.0000	.05
%RSD	176.0	37.05	1.185	1.936	.1600	4.273	.6180	.0349	.1797
#1	-.0001	.0004	.0111	.1184	1.995	1.184	.0104	.0083	27.46
#2	.0000	.0007	.0113	.1152	2.000	1.115	.0104	.0083	27.53

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0007**	**.0103**	**-.0010**	**.0012**	**2.740**	**.0009**	**.0029**	**1.481**	**.0005**
Stddev	.0001	.0004	.0011	.0006	.002	.0004	.0013	.002	.0002
%RSD	16.50	4.308	115.1	46.82	.0797	45.81	45.15	.1114	44.44
#1	.0006	.0106	-.0002	.0017	2.738	.0006	.0020	1.482	.0003
#2	.0007	.0100	-.0018	.0008	2.741	.0012	.0039	1.480	.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0572**	**.0022**	**-.0009**	**.0009**	**.0045**	**.0190**	**-.0101**
Stddev	.0000	.0000	.0003	.0000	.0032	.0000	.0002
%RSD	.0361	.0433	26.92	.0417	69.89	.1144	1.536
#1	.0572	.0022	-.0008	.0009	.0023	.0190	-.0100
#2	.0572	.0022	-.0011	.0009	.0068	.0190	-.0102

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4031.1**	**109350.**	**8355.5**
Stddev	5.9	73.	28.7
%RSD	.14755	.06700	.34342
#1	4026.9	109300.	8375.8
#2	4035.3	109400.	8335.2

Zoom In Zoom Out

Sample Name: MC26997-8F Acquired: 12/12/2013 21:47:13 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0004**	**.0862**	**.0016**	**-.0026**	**.0525**	**.4646**	**.0000**	**290.6**	**.0005**
Stddev	.0003	.0006	.0001	.0010	.0004	.0030	.000	1.4	.0001
%RSD	71.40	.7422	6.462	38.85	.7958	.6440	195.1	.4881	10.87
#1	-.0006	.0858	.0015	-.0033	.0522	.4624	.0000	291.6	.0006
#2	-.0002	.0867	.0017	-.0019	.0528	.4667	.0000	289.6	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0018**	**.0007**	**.0057**	**.0249**	**30.97**	**60.80**	**1.112**	**.0605**	F **1482.**
Stddev	.0001	.0000	.0003	.0001	.14	.54	.002	.0002	16.
%RSD	4.174	3.216	5.239	.4366	.4427	.8882	.1531	.2906	1.089
#1	.0017	.0007	.0059	.0248	30.87	61.19	1.113	.0604	1493.
#2	.0018	.0007	.0055	.0250	31.07	60.42	1.111	.0606	1470.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0076**	**-.0007**	**-.0152**	**.0006**	F **19.23**	**-.0007**	**.0060**	**4.130**	**.0003**
Stddev	.0001	.0006	.0009	.0043	.01	.0000	.0011	.008	.0001
%RSD	1.726	83.66	5.875	675.5	.0718	2.698	18.85	.1961	50.37
#1	.0077	-.0003	-.0145	-.0024	19.22	-.0006	.0052	4.124	.0004
#2	.0075	-.0011	-.0158	.0037	19.24	-.0007	.0069	4.135	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.413**	**.0025**	**.0016**	**.0003**	**.0072**	**.0071**	**-.0197**
Stddev	.004	.0002	.0007	.0001	.0034	.0002	.0003
%RSD	.2781	8.534	44.49	29.33	46.91	2.206	1.394
#1	1.410	.0024	.0022	.0003	.0096	.0070	-.0195
#2	1.416	.0027	.0011	.0002	.0048	.0072	-.0199

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3449.0**	**93309.**	**7975.3**
Stddev	.1	235.	87.3
%RSD	.00266	.25133	1.0950
#1	3449.1	93144.	7913.5
#2	3449.0	93475.	8037.0

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 21:52:11 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2439**	**9.633**	**1.955**	**-.0032**	**1.954**	**2.003**	**2.015**	**9.805**	**2.018**
Stddev	.0006	.032	.013	.0005	.011	.001	.001	.012	.013
%RSD	.2461	.3362	.6456	15.07	.5481	.0609	.0617	.1174	.6333
#1	.2434	9.656	1.964	-.0036	1.962	2.002	2.015	9.797	2.027
#2	.2443	9.610	1.946	-.0029	1.946	2.004	2.016	9.814	2.009

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.077**	**1.916**	**1.839**	**9.768**	**10.07**	**9.532**	**1.943**	**1.992**	**10.49**
Stddev	.013	.006	.004	.053	.03	.011	.002	.009	.01
%RSD	.6291	.3024	.2240	.5463	.3339	.1170	.1073	.4676	.1091
#1	2.086	1.912	1.837	9.730	10.05	9.540	1.941	1.998	10.50
#2	2.067	1.920	1.842	9.806	10.09	9.524	1.944	1.985	10.48

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.922**	**1.927**	**.0021**	**-.0097**	**.0058**	**1.980**	**2.005**	**.0182**	**1.985**
Stddev	.013	.011	.0017	.0015	.0017	.012	.011	.0016	.011
%RSD	.6508	.5610	82.40	15.47	28.79	.6063	.5561	8.983	.5767
#1	1.931	1.934	.0033	-.0087	.0046	1.988	2.013	.0193	1.993
#2	1.913	1.919	.0009	-.0108	.0070	1.971	1.997	.0170	1.977

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.790**	**1.918**	**1.933**	**1.919**	**-.0061**	**1.999**	**-.0083**
Stddev	.001	.007	.009	.006	.0018	.010	.0004
%RSD	.0405	.3443	.4858	.3232	28.81	.5104	5.133
#1	1.790	1.913	1.940	1.914	-.0073	2.006	-.0080
#2	1.789	1.923	1.927	1.923	-.0049	1.992	-.0086

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4105.5**	**110170.**	**8378.4**
Stddev	18.9	95.	43.8
%RSD	.46025	.08661	.52301
#1	4092.1	110230.	8409.4
#2	4118.8	110100.	8347.4

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 21:56:57 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0006**	**.0096**	**-.0001**	**-.0004**	**.0021**	**-.0001**	**.0001**	**.0039**	**.0003**
Stddev	.0003	.0038	.0000	.0003	.0002	.0000	.0000	.0018	.0000
%RSD	52.56	39.93	13.72	79.86	10.43	17.84	41.79	45.50	3.400
#1	-.0004	.0069	-.0001	-.0002	.0022	-.0001	.0001	.0052	.0003
#2	-.0008	.0123	-.0001	-.0006	.0019	-.0001	.0000	.0027	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0002**	**-.0003**	**-.0006**	**.2009**	**.0222**	**.0000**	**.0029**	**.5376**
Stddev	.0000	.0001	.0001	.0024	.0023	.0194	.0000	.0006	.0377
%RSD	2.189	67.23	35.41	418.6	1.146	87.43	175.5	21.23	7.021
#1	.0002	.0001	-.0004	.0011	.2025	.0085	.0000	.0034	.5643
#2	.0002	.0002	-.0002	-.0023	.1993	.0359	.0000	.0025	.5109

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**.0001**	**-.0008**	**-.0014**	**.0053**	**.0002**	**.0012**	**-.0048**	**.0005**
Stddev	.0000	.0004	.0008	.0028	.0012	.0002	.0009	.0000	.0001
%RSD	29.92	277.8	97.16	204.8	22.82	108.3	70.17	.5761	24.66
#1	.0001	-.0001	-.0002	-.0033	.0045	.0001	.0019	-.0048	.0006
#2	.0002	.0004	-.0013	.0006	.0062	.0004	.0006	-.0048	.0005

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0004**	**.0009**	**-.0002**	**-.0005**	**.0001**	**-.0005**
Stddev	.0000	.0002	.0003	.0001	.0009	.0000	.0005
%RSD	31.59	46.94	33.48	45.33	160.7	7.185	97.56
#1	.0001	.0003	.0006	-.0003	.0001	.0002	-.0002
#2	.0002	.0006	.0011	-.0001	-.0012	.0001	-.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4057.6**	**108900.**	**8268.8**
Stddev	4.3	452.	24.8
%RSD	.10539	.41468	.29967
#1	4054.5	108580.	8286.4
#2	4060.6	109220.	8251.3

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 22:01:56 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0004**	**.0048**	**.0036**	**-.0006**	**.0011**	**-.0002**	**.0000**	**-.0026**	**.0002**
Stddev	.0002	.0027	.0001	.0005	.0000	.0003	.0000	.0019	.0000
%RSD	42.26	55.50	2.985	77.89	3.984	151.0	155.1	74.85	.2406
#1	-.0005	.0067	.0035	-.0010	.0011	.0000	.0000	-.0012	.0002
#2	-.0003	.0029	.0036	-.0003	.0011	-.0004	.0000	-.0039	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0053**	**-.0002**	**.0043**	**.1777**	**.0124**	**.0000**	**.0009**	**.4463**
Stddev	.0000	.0001	.0000	.0019	.0197	.0486	.000	.0001	.0025
%RSD	12.05	2.062	17.43	44.54	11.10	392.9	254.3	8.448	.5685
#1	.0001	.0054	-.0001	.0057	.1638	-.0220	.0000	.0009	.4481
#2	.0002	.0052	-.0002	.0030	.1917	.0467	.0000	.0008	.4445

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0004**	**.0032**	**-.0011**	**.0016**	**.0028**	**-.0005**	**.0006**	**-.0007**	**.0004**
Stddev	.0001	.0004	.0016	.0014	.0001	.0006	.0002	.0006	.0001
%RSD	15.22	12.52	141.8	86.91	2.848	138.0	35.02	80.61	22.08
#1	.0004	.0034	.0000	.0025	.0028	.0000	.0004	-.0011	.0005
#2	.0003	.0029	-.0022	.0006	.0027	-.0009	.0007	-.0003	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0003**	**.0017**	**-.0002**	**-.0009**	**.0001**	**-.0007**
Stddev	.0000	.0002	.0003	.0001	.0041	.0000	.0008
%RSD	30.06	77.63	19.55	81.33	441.5	22.70	117.2
#1	.0001	.0001	.0015	-.0001	-.0038	.0001	-.0012
#2	.0000	.0005	.0020	-.0003	.0020	.0000	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4069.3	108820.	8250.2
Stddev	18.4	2502.	6.1
%RSD	.45139	2.2994	.07434
#1	4082.3	110590.	8245.8
#2	4056.3	107050.	8254.5

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 22:06:55 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0021**	**.0116**	**.0008**	**-.0008**	**.0008**	**.0209**	**.0011**	**-.0009**	**.0001**
Stddev	.0004	.0064	.0004	.0002	.0002	.0002	.0000	.0004	.0000
%RSD	18.49	54.90	47.51	20.66	27.04	.8795	1.787	46.09	15.20
#1	.0023	.0071	.0011	-.0009	.0006	.0208	.0011	-.0012	.0002
#2	.0018	.0161	.0005	-.0007	.0009	.0211	.0011	-.0006	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0011**	**.0096**	**.0012**	**.1750**	**.0260**	**-.0001**	**.0005**	**.3776**
Stddev	.0001	.0001	.0002	.0002	.0226	.0107	.0000	.0001	.0051
%RSD	84.27	7.682	1.972	20.20	12.94	41.24	21.99	22.00	1.343
#1	.0000	.0011	.0094	.0010	.1590	.0336	-.0001	.0005	.3812
#2	.0001	.0010	.0097	.0013	.1910	.0184	-.0001	.0004	.3740

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0105**	**-.0003**	**-.0003**	**.0039**	**.0040**	**.0031**	**.0057**	**.0002**	**.0004**
Stddev	.0001	.0001	.0003	.0048	.0001	.0004	.0027	.0000	.0000
%RSD	.4869	16.80	105.4	124.3	3.200	11.28	47.17	.9989	7.967
#1	.0104	-.0003	-.0005	.0073	.0039	.0034	.0076	.0002	.0003
#2	.0105	-.0004	-.0001	.0005	.0041	.0029	.0038	.0002	.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0048**	**.0001**	**.0005**	**-.0028**	**.0002**	**-.0011**
Stddev	.0001	.0000	.0002	.0003	.0003	.0000	.0000
%RSD	193.7	.5826	144.4	69.13	12.50	19.16	4.404
#1	.0001	.0048	.0003	.0002	-.0030	.0002	-.0011
#2	.0000	.0048	.0000	.0007	-.0025	.0002	-.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4069.9	109310.	8339.9
Stddev	8.0	152.	79.9
%RSD	.19633	.13928	.95852
#1	4075.5	109410.	8283.4
#2	4064.2	109200.	8396.5

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 22:11:53 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0045**	**.2167**	**.0031**	**-.0007**	**.1013**	**.0509**	**.0041**	**4.894**	**.0043**
Stddev	.0001	.0176	.0003	.0002	.0001	.0004	.0000	.009	.0001
%RSD	3.200	8.104	10.70	26.41	.0923	.7679	.5783	.1740	1.740
#1	.0044	.2292	.0034	-.0006	.1013	.0506	.0041	4.900	.0043
#2	.0046	.2043	.0029	-.0009	.1014	.0512	.0041	4.888	.0044

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0536**	**.0097**	**.0225**	**.1039**	**5.134**	**4.783**	**.0150**	**.1039**	**5.344**
Stddev	.0001	.0002	.0001	.0018	.028	.057	.0001	.0000	.017
%RSD	.1322	1.997	.6202	1.725	.5449	1.181	.3410	.0408	.3238
#1	.0535	.0095	.0226	.1051	5.114	4.823	.0150	.1039	5.332
#2	.0536	.0098	.0224	.1026	5.154	4.743	.0149	.1038	5.357

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0405**	**.0050**	**-.0004**	**.0008**	**.0028**	**.0062**	**.0100**	**.0151**	**.1017**
Stddev	.0001	.0002	.0001	.0018	.0006	.0011	.0000	.0005	.0000
%RSD	.2702	4.070	39.40	227.0	21.35	17.76	.4457	3.231	.0141
#1	.0406	.0049	-.0003	-.0005	.0032	.0070	.0100	.0154	.1017
#2	.0405	.0051	-.0005	.0020	.0024	.0055	.0100	.0147	.1016

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0089**	**.0490**	**.0050**	**.0097**	**-.0004**	**.0216**	**-.0017**
Stddev	.0001	.0001	.0006	.0004	.0039	.0000	.0001
%RSD	.6309	.2259	12.74	4.629	892.3	.1975	7.057
#1	.0090	.0489	.0045	.0100	.0023	.0215	-.0017
#2	.0089	.0491	.0054	.0094	-.0032	.0216	-.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4052.5	109230.	8235.0
Stddev	10.3	148.	47.1
%RSD	.25527	.13558	.57218
#1	4059.8	109120.	8201.7
#2	4045.1	109330.	8268.3

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/12/2013 22:16:46 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**522.5**	**-.0005**	**-.0041**	**.0012**	**.0000**	**.0000**	**455.4**	**.0002**
Stddev	.0002	3.1	.0009	.0009	.0003	.000	.0001	.6	.0000
%RSD	82.80	.6003	190.4	21.07	24.77	1860.	2309.	.1224	5.526
#1	-.0001	524.7	.0002	-.0047	.0010	.0000	.0001	455.7	.0002
#2	-.0004	520.3	-.0011	-.0035	.0014	.0000	-.0001	455.0	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0008**	**-.0005**	**.0005**	**186.7**	**.2323**	**493.6**	**-.0004**	**-.0028**	**.4106**
Stddev	.0001	.0001	.0001	1.4	.0267	4.1	.0000	.0002	.0109
%RSD	7.195	23.86	10.98	.7319	11.51	.8337	8.118	7.185	2.656
#1	.0009	-.0006	.0006	187.6	.2134	496.5	-.0005	-.0029	.4029
#2	.0008	-.0004	.0005	185.7	.2512	490.7	-.0004	-.0027	.4184

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0019**	**.0006**	**-.0015**	**-.0010**	**.0965**	**.0005**	**-.0020**	**.0353**	**-.0014**
Stddev	.0004	.0001	.0009	.0016	.0016	.0024	.0023	.0009	.0000
%RSD	18.31	13.48	57.06	152.1	1.698	525.5	114.9	2.500	.0885
#1	-.0022	.0006	-.0021	.0001	.0953	-.0012	-.0037	.0347	-.0014
#2	-.0017	.0007	-.0009	-.0022	.0976	.0022	-.0004	.0359	-.0014

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0079**	**.0055**	**-.0001**	**.0001**	**-.0193**	**.0011**	**.0020**
Stddev	.0000	.0003	.0011	.0003	.0024	.0000	.0001
%RSD	.0858	4.605	2183.	244.2	12.29	2.766	6.276
#1	-.0079	.0053	.0007	-.0001	-.0210	.0011	.0021
#2	-.0079	.0057	-.0008	.0003	-.0176	.0011	.0019

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3675.8	100490.	8010.7
Stddev	1.2	237.	29.6
%RSD	.03257	.23550	.37003
#1	3675.0	100320.	7989.7
#2	3676.7	100660.	8031.7

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/12/2013 22:21:43 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**1.037**	**520.9**	**2.108**	**.4656**	**.9608**	**.5236**	**.4755**	**444.6**	**1.040**
Stddev	.001	1.7	.003	.0023	.0018	.0009	.0022	1.4	.000
%RSD	.0948	.3356	.1572	.4907	.1828	.1763	.4644	.3082	.0221
#1	1.038	522.1	2.110	.4640	.9621	.5230	.4771	443.7	1.040
#2	1.036	519.6	2.106	.4672	.9596	.5243	.4739	445.6	1.040

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4726**	**.4578**	**.4627**	**183.9**	**.2269**	**486.5**	**.4626**	**.9669**	**.4191**
Stddev	.0003	.0008	.0021	1.3	.0263	3.5	.0009	.0015	.0318
%RSD	.0620	.1713	.4482	.7085	11.58	.7115	.1845	.1527	7.582
#1	.4728	.4584	.4642	184.8	.2454	488.9	.4620	.9658	.4416
#2	.4724	.4573	.4612	183.0	.2083	484.1	.4632	.9679	.3967

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.8345**	**.8591**	**.4978**	**.4829**	**.5103**	**2.058**	**2.062**	**4.472**	**.9382**
Stddev	.0013	.0014	.0022	.0040	.0019	.003	.001	.005	.0018
%RSD	.1580	.1666	.4443	.8324	.3761	.1564	.0225	.1148	.1955
#1	.8354	.8601	.4993	.4801	.5089	2.060	2.063	4.475	.9394
#2	.8336	.8581	.4962	.4858	.5116	2.055	2.062	4.468	.9369

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.8830**	**.4724**	**1.774**	**.4740**	**1.926**	**.9193**	**.3601**
Stddev	.0026	.0005	.004	.0000	.021	.0005	.0017
%RSD	.2912	.1158	.2387	.0094	1.108	.0532	.4787
#1	.8848	.4728	1.777	.4740	1.911	.9189	.3588
#2	.8812	.4720	1.771	.4740	1.941	.9196	.3613

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3692.5**	**100270.**	**8056.7**
Stddev	3.7	156.	24.3
%RSD	.10095	.15584	.30136
#1	3689.9	100380.	8073.8
#2	3695.1	100160.	8039.5

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 22:26:33 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2428**	**9.572**	**1.970**	**-.0015**	**1.969**	**1.988**	**2.007**	**9.789**	**2.054**
Stddev	.0011	.021	.019	.0012	.019	.005	.003	.023	.023
%RSD	.4491	.2215	.9443	80.31	.9589	.2782	.1270	.2384	1.111
#1	.2436	9.587	1.957	-.0006	1.955	1.992	2.009	9.806	2.037
#2	.2421	9.557	1.983	-.0023	1.982	1.984	2.005	9.773	2.070

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.107**	**1.895**	**1.810**	**9.819**	**9.896**	**9.533**	**1.919**	**2.021**	**10.13**
Stddev	.023	.009	.000	.011	.001	.000	.007	.026	.00
%RSD	1.111	.4814	.0115	.1093	.0076	.0026	.3536	1.303	.0091
#1	2.090	1.901	1.810	9.812	9.897	9.533	1.924	2.002	10.13
#2	2.123	1.889	1.811	9.827	9.896	9.533	1.914	2.039	10.14

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.933**	**1.945**	**.0014**	**-.0070**	**.0044**	**2.004**	**2.037**	**.0162**	**2.006**
Stddev	.019	.019	.0000	.0010	.0010	.020	.022	.0012	.021
%RSD	.9775	.9999	1.592	14.61	23.34	1.016	1.101	7.179	1.062
#1	1.920	1.931	.0015	-.0077	.0052	1.989	2.021	.0153	1.991
#2	1.946	1.958	.0014	-.0062	.0037	2.018	2.053	.0170	2.021

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	F **1.770**	**1.896**	**1.946**	**1.902**	**.0034**	**2.031**	**.0412**
Stddev	.005	.009	.020	.007	.0007	.021	.0106
%RSD	.2773	.4915	1.035	.3842	19.94	1.022	25.86
#1	1.774	1.903	1.931	1.907	.0038	2.017	.0487
#2	1.767	1.890	1.960	1.897	.0029	2.046	.0336

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4037.6**	**110630.**	**8293.2**
Stddev	38.4	632.	46.9
%RSD	.95022	.57097	.56528
#1	4064.7	110180.	8260.0
#2	4010.5	111080.	8326.3

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 22:31:18 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.0035**	**-.0005**	**-.0009**	**.0022**	**-.0001**	**.0001**	**.0075**	F **.0004**
Stddev	.0001	.0012	.0001	.0007	.0001	.0003	.0000	.0003	.0000
%RSD	220.0	34.04	31.08	71.64	3.914	529.5	53.79	3.790	7.032
#1	.0000	.0027	-.0006	-.0005	.0023	-.0003	.0001	.0073	.0004
#2	-.0001	.0043	-.0004	-.0014	.0021	.0001	.0001	.0077	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0004**	**.0005**	**-.0003**	**.0039**	**.1261**	**.0204**	**.0000**	**.0034**	**.3174**
Stddev	.0002	.0003	.0001	.0003	.0102	.0036	.0000	.0007	.0042
%RSD	58.51	55.12	21.03	8.179	8.062	17.58	37.46	19.60	1.319
#1	.0002	.0007	-.0004	.0041	.1190	.0229	.0000	.0038	.3204
#2	.0006	.0003	-.0003	.0036	.1333	.0178	.0000	.0029	.3144

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0002**	**.0005**	**-.0012**	**.0015**	**.0016**	**.0005**	**.0014**	**-.0050**	**.0006**
Stddev	.0000	.0000	.0018	.0007	.0013	.0005	.0015	.0011	.0002
%RSD	.5378	10.37	155.1	48.81	83.97	90.12	105.9	23.04	24.68
#1	.0002	.0004	.0001	.0010	.0025	.0008	.0003	-.0058	.0005
#2	.0002	.0005	-.0025	.0020	.0006	.0002	.0024	-.0041	.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0004**	**.0012**	**.0002**	**-.0002**	**.0004**	**-.0009**
Stddev	.0000	.0000	.0007	.0002	.0003	.0002	.0003
%RSD	12.71	3.402	58.98	68.52	197.4	45.49	30.00
#1	.0002	.0004	.0018	.0003	-.0004	.0003	-.0011
#2	.0001	.0004	.0007	.0001	.0001	.0005	-.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4018.2**	**108680.**	**8284.7**
Stddev	13.9	284.	4.5
%RSD	.34714	.26091	.05397
#1	4008.4	108880.	8281.5
#2	4028.1	108480.	8287.8

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	0.000004	0.000000	No
			Co	0.000007	0.000000	No
			Mn	0.000117	0.000000	No
			Mo	-0.000064	0.000000	No
			Cu	0.000004	0.000000	No
			Ti	-0.000067	0.000000	No
			Al	-0.000001	0.000000	No
			Zr	0.005523	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.002154	0.000000	No
			Mo	0.045639	0.000000	No
			Ca	0.000849	0.000000	No
As 189.042 {479}	☒	10	V	-0.000041	0.000000	No
			Al	-0.000002	0.000000	No
			Mo	0.000104	0.000000	No
			Fe	-0.000002	0.000000	No
			Mn	-0.000054	0.000000	No
			Ca	0.000001	0.000000	No
			Mg	-0.000001	0.000000	No
			Cr	0.000311	0.000000	No
			Na	-0.000002	0.000000	No
			Co	-0.001649	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000260	0.000000	No
			Mn	0.011376	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.051849	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000009	0.000000	No
Be 313.042 {108}	☒	3	V	0.000458	0.000000	No
			Mo	-0.000020	0.000000	No
			Ti	-0.000304	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	4	Ni	-0.000027	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000031	0.000000	No
			Ca	0.000000	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000059	0.000000	No
			Mo	-0.000045	0.000000	No
			Ti	0.001924	0.000000	No
			Ca	0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000002	0.000000	No
			Mn	0.000203	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000100	0.000000	No
			V	-0.000112	0.000000	No
			Mo	-0.000003	0.000000	No
			Co	-0.000511	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000600	0.000000	No
			Co	-0.000015	0.000000	No
			Cr	0.000162	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000003	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000578	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Al	0.000598	0.000000	No
Ni 231.604 {446}	☒	3	Mo	-0.000403	0.000000	No
			Fe	0.000021	0.000000	No
			Ca	-0.000000	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000084	0.000000	No
			Mn	0.000082	0.000000	No
			Mo	-0.001171	0.000000	No
			Co	0.000025	0.000000	No
			Cu	0.000067	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	0.000043	0.000000	No
			Mg	0.000003	0.000000	No
			Ni	0.000265	0.000000	No
			Si	0.000030	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000342	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.006177	0.000000	No
			Ni	0.000902	0.000000	No
			Mn	-0.001770	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
S 182.034 {485}	☒	3	Al	-0.000108	0.000000	No
			Ca	-0.000041	0.000000	No
			Fe	-0.000134	0.000000	No
Sb 206.833 {463}	☒	11	Al	0.000004	0.000000	No
			Fe	0.000039	0.000000	No
			Cr	0.006335	0.000000	No
			Mo	-0.001026	0.000000	No
			Mg	0.000001	0.000000	No
			Ni	-0.000189	0.000000	No
			V	-0.001826	0.000000	No
			Ca	-0.000002	0.000000	No
			Ti	-0.000106	0.000000	No
			Cu	-0.000042	0.000000	No
			Sn	-0.009353	0.000000	No
Se 196.090 {472}	☒	7	Al	-0.000001	0.000000	No
			Fe	-0.000322	0.000000	No
			Mn	0.000772	0.000000	No
			Mo	0.000211	0.000000	No
			Ca	-0.000005	0.000000	No
			Na	-0.000001	0.000000	No
			Co	-0.000789	0.000000	No
Si 212.412 {459}	☒	3	V	0.030413	0.000000	No
			Ti	0.006483	0.000000	No
			Mo	0.043276	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.001480	0.000000	No
			Cr	0.000243	0.000000	No
			V	-0.039703	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Co	0.004887	0.000000	No
				Al	-0.000003	0.000000	No
				Fe	0.000005	0.000000	No
				Ti	-0.002460	0.000000	No
				Mo	-0.000063	0.000000	No
				Ca	-0.000004	0.000000	No
				Na	-0.000002	0.000000	No
	V 292.402 {115}	☒	3	Ti	0.000445	0.000000	No
				Mo	-0.003162	0.000000	No
				Fe	0.000018	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000141	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000003	0.000000	No
				Mn	0.000018	0.000000	No
				Ni	0.000039	0.000000	No
				Cr	-0.000497	0.000000	No
				Mo	0.000207	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000006	0.000000	No
				Na	0.000004	0.000000	No
	Zr 339.198 { 99}	☒	5	Si	0.005567	0.000000	No
				Ti	0.000761	0.000000	No
				Fe	0.000014	0.000000	No
				Sn	0.002851	0.000000	No
				V	0.002032	0.000000	No

Prep QC: MP22226

ACCUTEST

Date:	12/10/13
Time	8:10

Name:	ERICM1/MA
MP Batch ID:	MP22226
QC Sample ID:	JB53625-10

Reagent Lot #	
1:1 HNO3	
1:1 HCL	RGT-38563-METALS
Conc HNO3	VENDOR-14192
H2O2	
LCS	
Filter Paper Lot #	
Digetion Tube Lot #	1308077

Aqueous EPA 200.7/ 200.8	○
Aqueous SW846 3010A	◉
Soil- SW846 3050B	○

WW

ML Used	Spike Lot#
0.5	RGT-38580-METALS
0.5	RGT-38568-METALS
0.5	RGT-38581-METALS
0.5	RGT-38582-METALS
Spike ID	MPICP

Dig Block ID:	4	Therm ID	GN017	Temp. C	95	Factor	-1	Corrected Temp C	94
Dig Block ID:		Therm ID		Temp. C		Factor		Corrected Temp C	
Balance ID:	N/A	Repipetor ID	1						

Note: (A)Serial dilution shown for QC purposes only (not a seperate digestion). (B) For DW samples <1NTU, measure pH prior to analysis.

Bot#	Sample #	Initial ML	Final (ML)			1:1 HNO3 (ML)	Conc. HNO3 (ML)	1:1 HCL (ML)	H2O2 (ML)	Comment
	MP22226-MB1	50	50				3	5		
	MP22226-B1	50	50				3	5		
1	MP22226-S1	50	50				3	5		
1	MP22226-SD1	50	50				3	5		
1	MP22226-S2	50	50				3	5		
1	JB53625-10	50	50				3	5		
1	JB53625-11	50	50				3	5		
1	JB53625-12	50	50				3	5		
1	JB53625-13	50	50				3	5		
1	MC26923-8	50	50				3	5		HEAVY SEDIMENT.
1	JB53303-3	50	50				3	5		
2	JB53303-3F	50	50				3	5		
2	MC26964-11	50	50				2	5		

Protected Worksheet MMP003-02 QC Review PuiY Date: 12/12/13

(Format edits must be done by dept. Manager)

9.3.1

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New England ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP17001/GN45427	0.010	0.0	mg/l	0.1	0.107	107.0	90-110%
Cyanide	GP17001/GN45427			mg/l	0.2	0.211	105.5	90-110%

Associated Samples:
Batch GP17001: MC26923-8
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Cyanide	GP17001/GN45427	mg/l	0.1	0.104	2.8	20%

Associated Samples:
Batch GP17001: MC26923-8
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP17001/GN45427	MC26860-1	mg/l	0.0027	0.0027	0.0	0-20%
Solids, Percent	GN45471	MC26993-14	%	85.3	85.2	0.1	0-20%

Associated Samples:
Batch GN45471: MC26923-9, MC26923-10, MC26923-11, MC26923-12, MC26923-13, MC26923-14, MC26923-15
Batch GP17001: MC26923-8
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP17001/GN45427	MC26860-1	mg/l	0.0027	0.1	0.11	107.3	75-125%

Associated Samples:
Batch GP17001: MC26923-8
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: 121013W1.CN Date Analyzed: 12/10/13 Methods: SW846 9012
Analyst: MA Run ID: GN45427
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:19	GN45427-STD1	1		STDA0.50
12:20	GN45427-STD2	1		STDB0.30
12:21	GN45427-STD3	1		STDC0.20
12:22	GN45427-STD4	1		STDD0.10
12:23	GN45427-STD5	1		STDE0.030
12:24	GN45427-STD6	1		STDF0.010
12:25	GN45427-STD7	1		STDG0.00
13:40	GN45427-ICV1	1		
13:41	GN45427-ICB1	1		
13:42	GN45427-CCV1	1		
13:44	GN45427-CCB1	1		
13:45	GP17001-MB1	1		
13:46	GP17001-B1	1		
13:47	GP17001-B2	1		
13:48	GP17001-B3	1		
13:49	GP17001-S1	1		
13:50	GP17001-D1	1		
13:51	MC26860-1	1		(sample used for QC only; not part of login MC26923)
13:52	ZZZZZZ	1		
13:53	ZZZZZZ	1		
13:54	ZZZZZZ	1		
13:55	GN45427-CCV2	1		
13:56	GN45427-CCB2	1		
13:57	ZZZZZZ	1		
13:58	ZZZZZZ	1		
13:59	ZZZZZZ	1		
14:00	ZZZZZZ	1		
14:01	ZZZZZZ	1		
14:02	ZZZZZZ	1		
14:03	ZZZZZZ	1		
14:04	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:07	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: 121013W1.CN Date Analyzed: 12/10/13 Methods: SW846 9012
Analyst: MA Run ID: GN45427
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:08	GN45427-CCV3	1		
14:09	GN45427-CCB3	1		
14:10	MC26923-8	1		
14:11	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:13	ZZZZZZ	1		DNR, offscale
14:14	GN45427-CCV4	1		
14:15	GN45427-CCB4	1		
15:00	GN45427-CCV5	1		
15:01	GN45427-CCB5	1		
15:02	ZZZZZZ	10		
15:03	ZZZZZZ	1		DNR, confirmation only
15:04	GN45427-CCV6	1		
15:05	GN45427-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: MC26923
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: 121013W1.CN Date Analyzed: 12/10/13 Methods: SW846 9012
Run ID: GN45427 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN45427-ICV1	Cyanide	0.21	0.010	0.0023	.2	105.0	90-110
GN45427-ICB1	Cyanide	-0.0038	0.010	0.0023			
GN45427-CCV1	Cyanide	0.31	0.010	0.0023	.3	103.3	90-110
GN45427-CCB1	Cyanide	-0.0040	0.010	0.0023			
GN45427-CCV2	Cyanide	0.31	0.010	0.0023	.3	103.3	90-110
GN45427-CCB2	Cyanide	-0.0040	0.010	0.0023			
GN45427-CCV3	Cyanide	0.31	0.010	0.0023	.3	103.3	90-110
GN45427-CCB3	Cyanide	-0.0037	0.010	0.0023			
GN45427-CCV4	Cyanide	0.31	0.010	0.0023	.3	103.3	90-110
GN45427-CCB4	Cyanide	-0.0038	0.010	0.0023			
GN45427-CCV5	Cyanide	0.31	0.010	0.0023	.3	103.3	90-110
GN45427-CCB5	Cyanide	-0.0025	0.010	0.0023			
GN45427-CCV6	Cyanide	0.31	0.010	0.0023	.3	103.3	90-110
GN45427-CCB6	Cyanide	-0.0029	0.010	0.0023			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MC26923-9 **Analyzed:** 13-DEC-13 by HS **Method:** SM21 2540 B MOD.
ClientID: EPT-SB-LBA501-0102

Wet Weight (Total)	34.94	g
Tare Weight	26.148	g
Dry Weight (Total)	33.272	g
Solids, Percent	81	%

Sample: MC26923-10 **Analyzed:** 13-DEC-13 by HS **Method:** SM21 2540 B MOD.
ClientID: EPT-SB-LBA503-0102

Wet Weight (Total)	40.426	g
Tare Weight	29.701	g
Dry Weight (Total)	38.871	g
Solids, Percent	85.5	%

Sample: MC26923-11 **Analyzed:** 13-DEC-13 by HS **Method:** SM21 2540 B MOD.
ClientID: EPT-SB-LBA504-0102

Wet Weight (Total)	32.726	g
Tare Weight	20.541	g
Dry Weight (Total)	31.048	g
Solids, Percent	86.2	%

Sample: MC26923-12 **Analyzed:** 13-DEC-13 by HS **Method:** SM21 2540 B MOD.
ClientID: EPT-SB-LBA505-0102

Wet Weight (Total)	34.141	g
Tare Weight	22.143	g
Dry Weight (Total)	31.562	g
Solids, Percent	78.5	%

Sample: MC26923-13 **Analyzed:** 13-DEC-13 by HS **Method:** SM21 2540 B MOD.
ClientID: EPT-SB-LBA509-22

Wet Weight (Total)	39.634	g
Tare Weight	27.995	g
Dry Weight (Total)	37.967	g
Solids, Percent	85.7	%

Sample: MC26923-14 **Analyzed:** 13-DEC-13 by HS **Method:** SM21 2540 B MOD.
ClientID: EPT-SB-LBA510-14

Wet Weight (Total)	27.541	g
Tare Weight	18.794	g
Dry Weight (Total)	26.094	g
Solids, Percent	83.5	%

Percent Solids Raw Data Summary

Job Number: MC26923
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MC26923-15 **Analyzed:** 13-DEC-13 by HS **Method:** SM21 2540 B MOD.
ClientID: EPT-SB-511(0.8-1)

Wet Weight (Total)	29.835	g
Tare Weight	22.336	g
Dry Weight (Total)	29.081	g
Solids, Percent	89.9	%

New England ACCUTEST LABORATORIES

General Chemistry

Raw Data

ACCUTEST

Protected Worksheet MGN117-02
(Format edits must be done by Dept. manager)

Analyst	MEHDIA	**Test/Analysis**	CN SW846 9012
Date	12/10/13	**Analysis Batch ID**	GN45427
Instrument ID	LACHAT	**Prep Batch ID**	GP17001
File ID	121013W1.CN,121013W2.CN		

Reagents

Calib STD	GNSTD-	32158-CN	**Buffer**	RGT-	38629-CN
ICV	GNSTD-	32154-CN-2	**Carrier**	RGT-	38316-CN
CCV	GNSTD-	32158-CN-4	**Chloramine-T**	RGT-	38659-CN
			Pyridine Barb. Acid	RGT-	38596-CN

Standardization

Reagent/Stock Std:	NA ◉	Cyanide ○	
-	-	-	-

Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH

COMMENTS

Cyanide stock standardization was performed on 12/03/13 (GN45350).

QC Review **Date:** 12/10/13

ACCUTEST

Distillation

Protected Worksheet MGN127-01

(Format edits must be done by Dept. manager)

Analyst:	MEHDIA	Date	12/10/13	Batch ID	GP17001	Matrix	Aqueous
QC Sample	MC26860-1	Balance ID	N/A	pH Meter ID	N/A	Block ID	MICRO

Analysis Type

CN EPA 335.4 ○	CN SW846 9010B ◉	CN-A SM21 4500CN-G/335.4 ○	CN-A SW846 9010 ○
PAC MADEP ○	CREAC Chap 7 ○	SREAC Chap7 ○	CNWAD SM20 4500CN-I ○

Sample ID	Bot #	ID	Interfere Chk CL	Interfere Chk S	Init. pH	SMPL Amt ML	DIST Vol ML	Start Time	End Time	Comments/Spike
GP17001-MB1		N/A	ND	ND	>12	6	6	9:53	10:23	
GP17001-B1		N/A	ND	ND	>12	6	6	9:53	10:23	0.10 ML OF SPIKE
GP17001-S1	7	N/A	ND	ND	>12	6	6	9:53	10:23	0.10 ML OF SPIKE
GP17001-D1	7	N/A	ND	ND	>12	6	6	9:53	10:23	
GP17001-B2		N/A	ND	ND	>12	6	6	9:53	10:23	0.10 ML OF SPIKE
GP17001-B3		N/A	ND	ND	>12	6	6	9:53	10:23	0.20 ML OF SPIKE
MC26860-1	7	N/A	ND	ND	>12	6	6	9:53	10:23	
MC26860-2	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26861-1	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26861-2	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26861-3	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26861-4	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26865-13	6	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26890-1	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26890-2	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26890-3	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26910-2	6	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26923-8	2	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26926-1	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26926-2	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26926-3	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26949-12	6	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26964-11	1	N/A	ND	ND	>12	6	6	11:10	11:40	
MC26975-2	5	N/A	ND	ND	>12	6	6	10:35	11:05	
ICV		N/A	ND	ND	>12	6	6	10:35	11:05	0.20 ML OF ICV SPIKE
MC26910-2	6	N/A	ND	ND	>12	6	6	14:11	14:41	

12-10-13

Reagent Lot # (Refer to Indivdual SOP for amounts added)

Sulfamic Acid	VENDOR-8715	Spike Solution	GNSTD-32153-CN-2
Conc. H2SO4	VENDOR-14009	ICV Stock Solution	GNSTD-32154-CN-2
NaOH	RGT-38624-CN	0.25N NAOH	RGT-38316-CN
MgCl2.6H2O	RGT-37559-CN	N/A	
Bismuth Nitrate	N/A	N/A	

Comment:

QC Review _____ Date 12/10/13

11.1 11

Author: chemistry

Date : 12/10/2013

Original Run Filename: OM_12-10-2013_01-39-56PM.OMN Created: 12/10/2013 1:39:56 PM
Original Run Author's Signature: [chemistry]
Current Run Filename: OM_12-10-2013_01-39-56PM.OMN Last Modified: 12/10/2013 2:17:27 PM
Current Run Author's Signature: [chemistry]
Description: Default New Run

Sample	Rep.	Channel 1 Cn (mg/L)	MDF
ICV	1	0.212	
Calibration:		Table/Fig. : 1	
ICB	1	-3.84e-3	
CCV	1	0.308	
CCB	1	-3.97e-3	
GP17001-MB1	1	-1.06e-3	
GP17001-B1	1	0.107	
GP17001-B2	1	0.104	
GP17001-B3	1	0.211	
GP17001-S1	1	0.114	
GP17001-D1	1	2.65e-3	
MC26860-1	1	2.69e-3	
MC26860-2	1	0.0910	
MC26861-1	1	0.0136	
MC26861-2	1	0.0211	
CCV	1	0.310	
CCB	1	-4.02e-3	
MC26861-3	1	0.0213	
MC26861-4	1	0.308	
MC26865-13	1	1.48e-3	
MC26~~910-2~~890	1	0.0961	Typo.
MC26890-~~2~~2	1	0.0539	Typo
MC26890-~~3~~3	1	0.0108	Typo
MC26~~890-3~~910.2	1	6.29e-4	Typo.
MC26926-1	1	0.0956	
MC26926-2	1	0.0319	
MC26926-3	1	0.174	
CCV	1	0.313	
CCB	1	-3.67e-3	
MC26923-8	1	2.87e-3	
MC26949-12	1	2.67e-3	
MC26975-2	1	1.02e-7	
MC26964-11	1	1.72	DNR. offscale
CCV	1	0.312	
CCB	1	-3.76e-3	

12-10-13

Table : 1 (Cn)

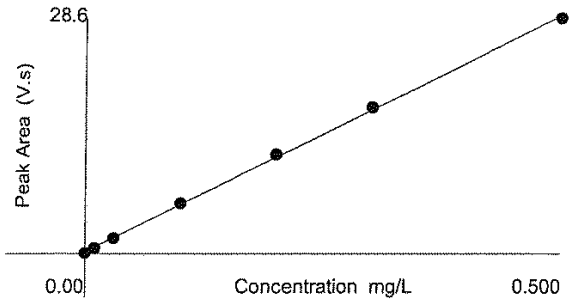
	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	28.6	1.48	0.0	1.2	0.494	12/10/2013	12:19:08 PM
2	0.300	1	17.7	0.920	0.0	-1.8	0.305	12/10/2013	12:20:13 PM
3	0.200	1	12.0	0.625	0.0	-2.9	0.206	12/10/2013	12:21:18 PM
4	0.100	1	6.11	0.317	0.0	-2.2	0.102	12/10/2013	12:22:22 PM
5	0.0300	1	1.86	0.0956	0.0	5.2	0.0283	12/10/2013	12:23:27 PM
6	0.0100	1	0.666	0.0337	0.0	18.5	7.45e-3	12/10/2013	12:24:31 PM
7	0.00	1	0.0608	3.53e-3			-3.11e-3	12/10/2013	12:25:36 PM

12/10/13

Author: chemistry

Date : 12/10/2013

Figure : 1 (Cn)



Area = 57.3 * Conc + 0.245
Conc = 0.0174 * Area - 4.17e-3
Correlation Coefficient (r) = 0.99970

Weighting : None

12,10/13

Author: chemistry

Date : 12/10/2013

Original Run Filename: OM_12-10-2013_02-59-17PM.OMN Created: 12/10/2013 2:59:17 PM
Original Run Author's Signature: [chemistry]
Current Run Filename: OM_12-10-2013_02-59-17PM.OMN Last Modified: 12/10/2013 3:07:28 PM
Current Run Author's Signature: [chemistry]
Description: Default New Run

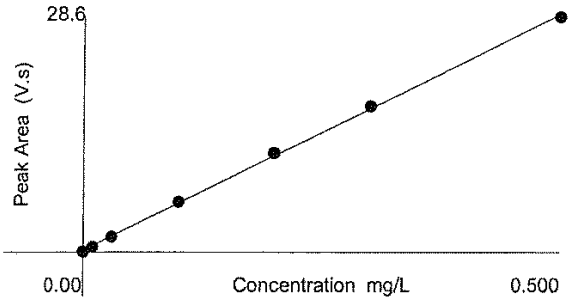
Sample	Rep.	Channel 1 Cn (mg/L)	MDF
CCV	1	0.311	
Calibration:		Table/Fig. : 1	
CCB	1	-2.51e-3	
MC26964-11	1	0.190	10.00
MC26910-2	1	3.44e-3	
CCV	1	0.313	
CCB	1	-2.86e-3	

D,R confirmation only

Table : 1 (Cn)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	28.6	1.48	0.0	1.2	0.494	12/10/2013	12:19:08 PM
2	0.300	1	17.7	0.920	0.0	-1.8	0.305	12/10/2013	12:20:13 PM
3	0.200	1	12.0	0.625	0.0	-2.9	0.206	12/10/2013	12:21:18 PM
4	0.100	1	6.11	0.317	0.0	-2.2	0.102	12/10/2013	12:22:22 PM
5	0.0300	1	1.86	0.0956	0.0	5.2	0.0283	12/10/2013	12:23:27 PM
6	0.0100	1	0.666	0.0337	0.0	18.5	7.45e-3	12/10/2013	12:24:31 PM
7	0.00	1	0.0608	3.53e-3			-3.11e-3	12/10/2013	12:25:36 PM

Figure : 1 (Cn)



Area = 57.3 * Conc + 0.245
Conc = 0.0174 * Area - 4.17e-3
Correlation Coefficient (r) = 0.99970

Weighting : None

12/10/13

New England ACCUTEST LABORATORIES

02/04/14

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC26964

Sampling Dates: 12/05/13 - 12/06/13

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **647**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC26964

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC26964-1	12/05/13	15:35	MF	12/09/13	SO	Soil	LBA-SB-512 (0.5)
MC26964-2	12/05/13	16:15	MF	12/09/13	SO	Soil	LBA-SB-513 (6.5-7.5)
MC26964-3	12/05/13	16:45	MF	12/09/13	SO	Soil	LBA-SB-514 (1)
MC26964-4	12/05/13	16:55	MF	12/09/13	SO	Soil	LBA-SB-515 (1)
MC26964-6	12/06/13	09:10	MF	12/09/13	SO	Soil	LBA-SB-517 (1-1.5)
MC26964-7	12/06/13	11:15	MF	12/09/13	SO	Soil	LBA-SB-518 (3-4)
MC26964-8	12/06/13	11:20	MF	12/09/13	SO	Soil	LBA-SB-518 (4-6)
MC26964-9	12/06/13	11:28	MF	12/09/13	SO	Soil	LBA-SB-518 (8)
MC26964-11	12/06/13	11:45	MF	12/09/13	AQ	Ground Water	LBA-GW-MW36 (SRX)
MC26964-12	12/06/13	12:10	MF	12/09/13	SO	Soil	LBA-SB-519 (8)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environmental & Energy **Job No** MC26964

Site: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, **Report Date** 1/10/2014 5:21:45 PM

10 Sample(s) were collected on between 12/05/2013 and 12/06/2013 and were received at Accutest on 12/09/2013 properly preserved, at 1.7 Deg. C and intact. These Samples received an Accutest job number of MC26964. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix SO **Batch ID:** MSG5173

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC26964-6MS, MC26964-6MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Continuing calibration check standard MSG5173-CC5138 for bromomethane exceed 40% Difference (response biased high). Associated samples are non-detect for this compound.
- Blank Spike Recovery(s) for Trichlorofluoromethane are outside control limits. Blank Spike meets program technical requirements.
- Matrix Spike Recovery(s) for 2-Hexanone, Acetone, Bromomethane, Carbon tetrachloride, Chloroethane, Trichlorofluoromethane, Vinyl chloride are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for 2-Hexanone, Acetone, Bromomethane, Cyclohexane, Trichlorofluoromethane, Vinyl chloride are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- MSG5173-BS for Bromomethane, Vinyl chloride: Outside control limits. Associated samples are non-detect for this compound.

Matrix SO **Batch ID:** MSM2172

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27002-25MS, MC27002-25MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for Acetone, Vinyl chloride are outside control limits. Blank Spike meets program technical requirements.
- Matrix Spike Recovery(s) for 1,2,4-Trichlorobenzene, Acetone, Bromomethane, Dichlorodifluoromethane, Styrene, Vinyl chloride are outside control limits. Blank Spike meets program technical requirements.
- Matrix Spike Duplicate Recovery(s) for 1,2,4-Trichlorobenzene, Acetone, Dichlorodifluoromethane, Methyl Acetate, Vinyl chloride, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Styrene are outside control limits. Blank Spike meets program technical requirements.
- RPD(s) for MSD for 1,1,2,2-Tetrachloroethane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Bromoform, Styrene are outside control limits for sample MC27002-25MSD. High RPD due to possible matrix interference and/or sample non-homogeneity.
- MSM2172-BS for Bromoform: Outside control limits. Associated samples are non-detect for this compound.
- Initial calibration verification MSM2169-ICV2169 for 2-butanone, 2-hexanone exceed 30% Difference (response biased high). Associated samples are non-detect for this compound.

Metals By Method SW846 6010C

Matrix	AQ	Batch ID:	MP22226

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB53625-10MS, JB53625-10PS, JB53625-10SDL, JB53625-10MSD were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Selenium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.Post spike within acceptable range.
- RPD for Serial Dilution for Arsenic, Barium, Cadmium, Chromium, Selenium, Silver are outside control limits. Percent difference acceptable due to low initial sample concentratio n (< 50 times IDL).

Matrix	SO	Batch ID:	MP22249

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC26883-9MS, MC26883-9MSD, MC26883-9SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Cadmium are outside control limits for sample MP22249-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP22249-SD1 for Barium, Chromium, Lead: Serial dilution indicates possible matrix interference.

Metals By Method SW846 7470A

Matrix	AQ	Batch ID:	MP22251

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC26860-1MS, MC26860-1MSD were used as the QC samples for metals.

Metals By Method SW846 7471B

Matrix	SO	Batch ID:	MP22259

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27138-11MS, MC27138-11MSD were used as the QC samples for metals.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix	SO	Batch ID:	GN45471

- Sample(s) MC26993-14DUP were used as the QC samples for Solids, Percent.

Wet Chemistry By Method SW846 9012

Matrix	AQ	Batch ID:	GP17001

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC26860-1DUP, MC26860-1MS were used as the QC samples for Cyanide.

Wet Chemistry By Method SW846 9012 M

Matrix	SO	Batch ID:	GP17029

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27138-16MS, MC27138-16DUP were used as the QC samples for Cyanide.
- RPD(s) for Duplicate for Cyanide are outside control limits for sample GP17029-D1. RPD acceptable due to low duplicate and sample concentrations.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC26964).

Summary of Hits

Job Number: MC26964
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 12/05/13 thru 12/06/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC26964-1	**LBA-SB-512 (0.5)**					
Arsenic		6.0	0.93	0.19	mg/kg	SW846 6010C
Barium		288	4.7	0.068	mg/kg	SW846 6010C
Cadmium		0.23 B	0.37	0.040	mg/kg	SW846 6010C
Chromium		40.1	0.93	0.089	mg/kg	SW846 6010C
Lead		92.4	0.93	0.16	mg/kg	SW846 6010C
Mercury		0.14	0.034	0.0099	mg/kg	SW846 7471B
Cyanide		14.3	1.4		mg/kg	SW846 9012 M
MC26964-2	**LBA-SB-513 (6.5-7.5)**					
Arsenic		8.9	0.92	0.19	mg/kg	SW846 6010C
Barium		3020	46	0.67	mg/kg	SW846 6010C
Cadmium		0.77	0.37	0.039	mg/kg	SW846 6010C
Chromium		28.9	0.92	0.088	mg/kg	SW846 6010C
Lead		403	0.92	0.15	mg/kg	SW846 6010C
Mercury		0.078	0.035	0.010	mg/kg	SW846 7471B
Selenium		0.50 B	0.92	0.32	mg/kg	SW846 6010C
Cyanide		10.4	0.68		mg/kg	SW846 9012 M
MC26964-3	**LBA-SB-514 (1)**					
Benzene		2.4	0.61	0.30	ug/kg	SW846 8260C
Carbon disulfide		15.6	6.1	0.19	ug/kg	SW846 8260C
Cyclohexane		7.6	6.1	0.32	ug/kg	SW846 8260C
Methylcyclohexane		11.6	6.1	0.26	ug/kg	SW846 8260C
Tetrachloroethene		2.4	2.4	0.54	ug/kg	SW846 8260C
Toluene		18.7	6.1	0.30	ug/kg	SW846 8260C
Xylene (total)		3.4	2.4	0.25	ug/kg	SW846 8260C
Total TIC, Volatile		476.8 J			ug/kg	
Arsenic		5.5	0.84	0.18	mg/kg	SW846 6010C
Barium		106	4.2	0.061	mg/kg	SW846 6010C
Chromium		10.6	0.84	0.080	mg/kg	SW846 6010C
Lead		13.4	0.84	0.14	mg/kg	SW846 6010C
Mercury		0.023 B	0.033	0.0096	mg/kg	SW846 7471B
MC26964-4	**LBA-SB-515 (1)**					
Arsenic		19.7	0.95	0.20	mg/kg	SW846 6010C
Barium		148	4.8	0.069	mg/kg	SW846 6010C
Cadmium		0.53	0.38	0.040	mg/kg	SW846 6010C
Chromium		12.6	0.95	0.091	mg/kg	SW846 6010C
Lead		264	0.95	0.16	mg/kg	SW846 6010C
Mercury		0.74	0.035	0.010	mg/kg	SW846 7471B

Summary of Hits

Job Number: MC26964
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 12/05/13 thru 12/06/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Selenium		1.2	0.95	0.33	mg/kg	SW846 6010C
Cyanide		2.1	0.14		mg/kg	SW846 9012 M
MC26964-6	**LBA-SB-517 (1-1.5)**					
Tetrachloroethene		71.3 J	100	23	ug/kg	SW846 8260C
Trichloroethene		2690	100	24	ug/kg	SW846 8260C
MC26964-7	**LBA-SB-518 (3-4)**					
Trichloroethene		114	110	26	ug/kg	SW846 8260C
Total TIC, Volatile		7710 J			ug/kg	
MC26964-8	**LBA-SB-518 (4-6)**					
Arsenic		10.4	0.95	0.20	mg/kg	SW846 6010C
Barium		196	4.8	0.069	mg/kg	SW846 6010C
Cadmium		1.0	0.38	0.040	mg/kg	SW846 6010C
Chromium		33.5	0.95	0.091	mg/kg	SW846 6010C
Lead		181	0.95	0.16	mg/kg	SW846 6010C
Mercury		0.072	0.036	0.010	mg/kg	SW846 7471B
MC26964-9	**LBA-SB-518 (8)**					
Benzene		4.5	0.55	0.27	ug/kg	SW846 8260C
Carbon disulfide		9.9	5.5	0.17	ug/kg	SW846 8260C
Cyclohexane		2.2 J	5.5	0.29	ug/kg	SW846 8260C
Ethylbenzene		0.88 J	2.2	0.20	ug/kg	SW846 8260C
Methylcyclohexane		1.4 J	5.5	0.23	ug/kg	SW846 8260C
Methylene chloride		4.7	2.2	1.7	ug/kg	SW846 8260C
Toluene		3.2 J	5.5	0.27	ug/kg	SW846 8260C
Trichloroethene		46.1	2.2	0.52	ug/kg	SW846 8260C
Xylene (total)		1.2 J	2.2	0.23	ug/kg	SW846 8260C
Total TIC, Volatile		35.4 J			ug/kg	
MC26964-11	**LBA-GW-MW36 (SRX)**					
Arsenic		5.5	4.0	2.9	ug/l	SW846 6010C
Barium		101	50	0.81	ug/l	SW846 6010C
Chromium		18.2	10	1.4	ug/l	SW846 6010C
Lead		43.6	5.0	1.7	ug/l	SW846 6010C
Silver		1.2 B	5.0	1.0	ug/l	SW846 6010C
Cyanide		1.9	0.10		mg/l	SW846 9012

Summary of Hits

Job Number: MC26964
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 12/05/13 thru 12/06/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC26964-12	**LBA-SB-519 (8)**					
Carbon disulfide		1.4 J	6.8	0.20	ug/kg	SW846 8260C
Trichloroethene		4.6	2.7	0.64	ug/kg	SW846 8260C

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: LBA-SB-512 (0.5)
Lab Sample ID: MC26964-1
Matrix: SO - Soil
Date Sampled: 12/05/13
Date Received: 12/09/13
Percent Solids: 86.3
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	6.0	0.93	0.19	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]
Barium	288	4.7	0.068	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]
Cadmium	0.23 B	0.37	0.040	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]
Chromium	40.1	0.93	0.089	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]
Lead	92.4	0.93	0.16	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]
Mercury	0.14	0.034	0.0099	mg/kg	1	12/16/13	12/16/13	SA	SW846 7471B [1]	SW846 7471B [4]
Selenium	0.32 U	0.93	0.32	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]
Silver	0.12 U	0.47	0.12	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA16563
(2) Instrument QC Batch: MA16564
(3) Prep QC Batch: MP22249
(4) Prep QC Batch: MP22259

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	LBA-SB-512 (0.5)		
Lab Sample ID:	MC26964-1	**Date Sampled:**	12/05/13
Matrix:	SO - Soil	**Date Received:**	12/09/13
		Percent Solids:	86.3
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	14.3	1.4	mg/kg	10	12/16/13 16:19	MA	SW846 9012 M
Solids, Percent	86.3		%	1	12/13/13	HS	SM21 2540 B MOD.

RL = Reporting Limit

Report of Analysis

Client Sample ID: LBA-SB-513 (6.5-7.5)
Lab Sample ID: MC26964-2
Matrix: SO - Soil
Date Sampled: 12/05/13
Date Received: 12/09/13
Percent Solids: 86.8
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	8.9	0.92	0.19	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [4]
Barium	3020	46	0.67	mg/kg	10	12/12/13	12/16/13	SA	SW846 6010C [3]	SW846 3050B [4]
Cadmium	0.77	0.37	0.039	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [4]
Chromium	28.9	0.92	0.088	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [4]
Lead	403	0.92	0.15	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.078	0.035	0.010	mg/kg	1	12/16/13	12/16/13	SA	SW846 7471B [1]	SW846 7471B [5]
Selenium	0.50 B	0.92	0.32	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [4]
Silver	0.12 U	0.46	0.12	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA16563
(2) Instrument QC Batch: MA16564
(3) Instrument QC Batch: MA16568
(4) Prep QC Batch: MP22249
(5) Prep QC Batch: MP22259

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	LBA-SB-513 (6.5-7.5)		
Lab Sample ID:	MC26964-2	**Date Sampled:**	12/05/13
Matrix:	SO - Soil	**Date Received:**	12/09/13
		Percent Solids:	86.8
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	10.4	0.68	mg/kg	5	12/16/13 16:20	MA	SW846 9012 M
Solids, Percent	86.8		%	1	12/13/13	HS	SM21 2540 B MOD.

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	LBA-SB-514 (1)		
Lab Sample ID:	MC26964-3	**Date Sampled:**	12/05/13
Matrix:	SO - Soil	**Date Received:**	12/09/13
Method:	SW846 8260C	**Percent Solids:**	90.5
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M62175.D	1	12/14/13	KD	n/a	n/a	MSM2172
Run #2							

	Initial Weight	Final Volume
Run #1	4.51 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	4.8	ug/kg	
71-43-2	Benzene	2.4	0.61	0.30	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.44	ug/kg	
75-25-2	Bromoform	ND	2.4	0.36	ug/kg	
74-83-9	Bromomethane	ND	2.4	1.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.1	3.8	ug/kg	
75-15-0	Carbon disulfide	15.6	6.1	0.19	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.33	ug/kg	
75-00-3	Chloroethane	ND	6.1	0.73	ug/kg	
67-66-3	Chloroform	ND	2.4	0.35	ug/kg	
74-87-3	Chloromethane	ND	6.1	1.5	ug/kg	
110-82-7	Cyclohexane	7.6	6.1	0.32	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.1	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.52	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.4	0.69	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.4	0.26	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.4	0.27	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.4	0.25	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.4	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.4	0.41	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.4	0.67	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.4	0.64	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.4	0.62	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.4	0.55	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.52	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.35	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.36	ug/kg	
100-41-4	Ethylbenzene	ND	2.4	0.22	ug/kg	
76-13-1	Freon 113	ND	6.1	1.1	ug/kg	
591-78-6	2-Hexanone	ND	6.1	3.0	ug/kg	
98-82-8	Isopropylbenzene	ND	6.1	0.34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-SB-514 (1)		
Lab Sample ID:	MC26964-3	**Date Sampled:**	12/05/13
Matrix:	SO - Soil	**Date Received:**	12/09/13
Method:	SW846 8260C	**Percent Solids:**	90.5
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.1	3.4	ug/kg	
108-87-2	Methylcyclohexane	11.6	6.1	0.26	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.4	0.49	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.1	2.3	ug/kg	
75-09-2	Methylene chloride	ND	2.4	1.9	ug/kg	
100-42-5	Styrene	ND	6.1	0.25	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.36	ug/kg	
127-18-4	Tetrachloroethene	2.4	2.4	0.54	ug/kg	
108-88-3	Toluene	18.7	6.1	0.30	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	0.44	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.22	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.43	ug/kg	
79-01-6	Trichloroethene	ND	2.4	0.58	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.4	1.3	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	0.70	ug/kg	
1330-20-7	Xylene (total)	3.4	2.4	0.25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		70-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	106%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
75-28-5	Isobutane	4.75	28	ug/kg	JN
106-97-8	Butane	5.09	120	ug/kg	JN
78-78-4	Butane, 2-methyl-	6.07	92	ug/kg	JN
109-66-0	Pentane	6.49	53	ug/kg	JN
75-18-3	Dimethyl sulfide	6.96	29	ug/kg	JN
75-83-2	Butane, 2,2-dimethyl-	7.20	11	ug/kg	JN
107-83-5	Pentane, 2-methyl-	7.83	43	ug/kg	JN
96-14-0	Pentane, 3-methyl-	8.14	20	ug/kg	JN
110-54-3	Hexane	8.46	19	ug/kg	JN
624-89-5	Ethane, (methylthio)-	8.86	8.8	ug/kg	JN
96-37-7	Cyclopentane, methyl-	9.16	9.1	ug/kg	JN
7289-40-9	Ether, heptyl hexyl	13.97	9.6	ug/kg	JN
2094-73-7	Ethyladamantane-1-carboxylate	17.47	7.3	ug/kg	JN
6044-71-9	Dodecane, 6-methyl-	18.04	18	ug/kg	JN
15869-94-0	Octane, 3,6-dimethyl-	18.71	9	ug/kg	JN

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-SB-514 (1)		
Lab Sample ID:	MC26964-3	**Date Sampled:**	12/05/13
Matrix:	SO - Soil	**Date Received:**	12/09/13
Method:	SW846 8260C	**Percent Solids:**	90.5
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		476.8	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-SB-514 (1)
Lab Sample ID: MC26964-3
Matrix: SO - Soil
Date Sampled: 12/05/13
Date Received: 12/09/13
Percent Solids: 90.5
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	5.5	0.84	0.18	mg/kg	1	12/12/13	12/16/13	SA	SW846 6010C [3]	SW846 3050B [4]
Barium	106	4.2	0.061	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [4]
Cadmium	0.036 U	0.34	0.036	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [4]
Chromium	10.6	0.84	0.080	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [4]
Lead	13.4	0.84	0.14	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.023 B	0.033	0.0096	mg/kg	1	12/16/13	12/16/13	SA	SW846 7471B [1]	SW846 7471B [5]
Selenium	0.29 U	0.84	0.29	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [4]
Silver	0.11 U	0.42	0.11	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA16563
(2) Instrument QC Batch: MA16564
(3) Instrument QC Batch: MA16568
(4) Prep QC Batch: MP22249
(5) Prep QC Batch: MP22259

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	LBA-SB-514 (1)		
Lab Sample ID:	MC26964-3	**Date Sampled:**	12/05/13
Matrix:	SO - Soil	**Date Received:**	12/09/13
		Percent Solids:	90.5
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.13	0.13	mg/kg	1	12/16/13 16:21	MA	SW846 9012 M
Solids, Percent	90.5		%	1	12/13/13	HS	SM21 2540 B MOD.

RL = Reporting Limit

Report of Analysis

Client Sample ID: LBA-SB-515 (1)
Lab Sample ID: MC26964-4
Matrix: SO - Soil
Date Sampled: 12/05/13
Date Received: 12/09/13
Percent Solids: 83.2
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	19.7	0.95	0.20	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]
Barium	148	4.8	0.069	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]
Cadmium	0.53	0.38	0.040	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]
Chromium	12.6	0.95	0.091	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]
Lead	264	0.95	0.16	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]
Mercury	0.74	0.035	0.010	mg/kg	1	12/16/13	12/16/13	SA	SW846 7471B [1]	SW846 7471B [4]
Selenium	1.2	0.95	0.33	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]
Silver	0.12 U	0.48	0.12	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA16563
(2) Instrument QC Batch: MA16564
(3) Prep QC Batch: MP22249
(4) Prep QC Batch: MP22259

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	LBA-SB-515 (1)		
Lab Sample ID:	MC26964-4	**Date Sampled:**	12/05/13
Matrix:	SO - Soil	**Date Received:**	12/09/13
		Percent Solids:	83.2
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	2.1	0.14	mg/kg	1	12/16/13 15:03	MA	SW846 9012 M
Solids, Percent	83.2		%	1	12/13/13	HS	SM21 2540 B MOD.

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	LBA-SB-517 (1-1.5)		
Lab Sample ID:	MC26964-6	**Date Sampled:**	12/06/13
Matrix:	SO - Soil	**Date Received:**	12/09/13
Method:	SW846 8260C	**Percent Solids:**	88.4
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G134065.D	1	12/13/13	JM	n/a	n/a	MSG5173
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	12.7 g	10.0 ml	100 ul
Run #2			

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	510	200	ug/kg	
71-43-2	Benzene	ND	26	13	ug/kg	
75-27-4	Bromodichloromethane	ND	100	19	ug/kg	
75-25-2	Bromoform	ND	100	15	ug/kg	
74-83-9	Bromomethane	ND	100	50	ug/kg	
78-93-3	2-Butanone (MEK)	ND	260	160	ug/kg	
75-15-0	Carbon disulfide	ND	260	7.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	59	ug/kg	
108-90-7	Chlorobenzene	ND	100	14	ug/kg	
75-00-3	Chloroethane	ND	260	31	ug/kg	
67-66-3	Chloroform	ND	100	15	ug/kg	
74-87-3	Chloromethane	ND	260	62	ug/kg	
110-82-7	Cyclohexane	ND	260	14	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	260	100	ug/kg	
124-48-1	Dibromochloromethane	ND	100	22	ug/kg	
106-93-4	1,2-Dibromoethane	ND	100	29	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	100	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	100	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	100	10	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	100	57	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	28	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	27	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	26	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	23	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	22	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	15	ug/kg	
100-41-4	Ethylbenzene	ND	100	9.1	ug/kg	
76-13-1	Freon 113	ND	260	47	ug/kg	
591-78-6	2-Hexanone	ND	260	120	ug/kg	
98-82-8	Isopropylbenzene	ND	260	14	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-SB-517 (1-1.5)		
Lab Sample ID:	MC26964-6	**Date Sampled:**	12/06/13
Matrix:	SO - Soil	**Date Received:**	12/09/13
Method:	SW846 8260C	**Percent Solids:**	88.4
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	260	140	ug/kg	
108-87-2	Methylcyclohexane	ND	260	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	100	20	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	260	95	ug/kg	
75-09-2	Methylene chloride	ND	100	79	ug/kg	
100-42-5	Styrene	ND	260	11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	15	ug/kg	
127-18-4	Tetrachloroethene	71.3	100	23	ug/kg	J
108-88-3	Toluene	ND	260	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	260	19	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100	9.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	18	ug/kg	
79-01-6	Trichloroethene	2690	100	24	ug/kg	
75-69-4	Trichlorofluoromethane	ND	100	54	ug/kg	
75-01-4	Vinyl chloride	ND	100	29	ug/kg	
1330-20-7	Xylene (total)	ND	100	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		70-130%
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	95%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	LBA-SB-518 (3-4)		
Lab Sample ID:	MC26964-7	**Date Sampled:**	12/06/13
Matrix:	SO - Soil	**Date Received:**	12/09/13
Method:	SW846 8260C	**Percent Solids:**	95.2
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G134066.D	1	12/13/13	JM	n/a	n/a	MSG5173
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2			

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	550	210	ug/kg	
71-43-2	Benzene	ND	27	14	ug/kg	
75-27-4	Bromodichloromethane	ND	110	20	ug/kg	
75-25-2	Bromoform	ND	110	16	ug/kg	
74-83-9	Bromomethane	ND	110	53	ug/kg	
78-93-3	2-Butanone (MEK)	ND	270	170	ug/kg	
75-15-0	Carbon disulfide	ND	270	8.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	110	64	ug/kg	
108-90-7	Chlorobenzene	ND	110	15	ug/kg	
75-00-3	Chloroethane	ND	270	33	ug/kg	
67-66-3	Chloroform	ND	110	16	ug/kg	
74-87-3	Chloromethane	ND	270	67	ug/kg	
110-82-7	Cyclohexane	ND	270	15	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	270	110	ug/kg	
124-48-1	Dibromochloromethane	ND	110	23	ug/kg	
106-93-4	1,2-Dibromoethane	ND	110	31	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	110	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	110	12	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	110	11	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	110	61	ug/kg	
75-34-3	1,1-Dichloroethane	ND	110	18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	110	30	ug/kg	
75-35-4	1,1-Dichloroethene	ND	110	29	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	110	28	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	110	24	ug/kg	
78-87-5	1,2-Dichloropropane	ND	110	23	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	110	16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	110	16	ug/kg	
100-41-4	Ethylbenzene	ND	110	9.7	ug/kg	
76-13-1	Freon 113	ND	270	50	ug/kg	
591-78-6	2-Hexanone	ND	270	130	ug/kg	
98-82-8	Isopropylbenzene	ND	270	15	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-SB-518 (3-4)		
Lab Sample ID:	MC26964-7	**Date Sampled:**	12/06/13
Matrix:	SO - Soil	**Date Received:**	12/09/13
Method:	SW846 8260C	**Percent Solids:**	95.2
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	270	150	ug/kg	
108-87-2	Methylcyclohexane	ND	270	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	110	22	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	270	100	ug/kg	
75-09-2	Methylene chloride	ND	110	85	ug/kg	
100-42-5	Styrene	ND	270	11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	110	16	ug/kg	
127-18-4	Tetrachloroethene	ND	110	24	ug/kg	
108-88-3	Toluene	ND	270	13	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	270	20	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	110	9.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	110	19	ug/kg	
79-01-6	Trichloroethene	114	110	26	ug/kg	
75-69-4	Trichlorofluoromethane	ND	110	58	ug/kg	
75-01-4	Vinyl chloride	ND	110	31	ug/kg	
1330-20-7	Xylene (total)	ND	110	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	89%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
592-27-8	Heptane, 2-methyl-	7.04	320	ug/kg	JN
111-65-9	Octane	7.71	390	ug/kg	JN
3221-61-2	Octane, 2-methyl-	8.82	760	ug/kg	JN
1000309-37-2	Oxalic acid, isobutyl heptyl ester	8.97	430	ug/kg	JN
111-84-2	Nonane	9.41	800	ug/kg	JN
15869-89-3	Octane, 2,5-dimethyl-	9.76	320	ug/kg	JN
871-83-0	Nonane, 2-methyl-	10.36	1300	ug/kg	JN
2051-30-1	Octane, 2,6-dimethyl-	10.49	550	ug/kg	JN
13151-35-4	Decane, 5-methyl-	11.65	360	ug/kg	JN
6975-98-0	Decane, 2-methyl-	11.73	620	ug/kg	JN
17302-23-7	Nonane, 4,5-dimethyl-	11.85	420	ug/kg	JN
17301-29-0	Undecane, 3,7-dimethyl-	12.88	390	ug/kg	JN
1002-43-3	Undecane, 3-methyl-	13.08	340	ug/kg	JN
112-40-3	Dodecane	13.41	710	ug/kg	JN
	Total TIC, Volatile		7710	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-SB-518 (4-6)
Lab Sample ID: MC26964-8
Matrix: SO - Soil
Date Sampled: 12/06/13
Date Received: 12/09/13
Percent Solids: 84.6
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	10.4	0.95	0.20	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]
Barium	196	4.8	0.069	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]
Cadmium	1.0	0.38	0.040	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]
Chromium	33.5	0.95	0.091	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]
Lead	181	0.95	0.16	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]
Mercury	0.072	0.036	0.010	mg/kg	1	12/16/13	12/16/13	SA	SW846 7471B [1]	SW846 7471B [4]
Selenium	0.33 U	0.95	0.33	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]
Silver	0.12 U	0.48	0.12	mg/kg	1	12/12/13	12/13/13	SA	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA16563
(2) Instrument QC Batch: MA16564
(3) Prep QC Batch: MP22249
(4) Prep QC Batch: MP22259

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

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Report of Analysis

Client Sample ID: LBA-SB-518 (8)
Lab Sample ID: MC26964-9 **Date Sampled:** 12/06/13
Matrix: SO - Soil **Date Received:** 12/09/13
Method: SW846 8260C **Percent Solids:** 87.7
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M62176.D	1	12/14/13	KD	n/a	n/a	MSM2172
Run #2							

	Initial Weight	Final Volume
Run #1	5.18 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	4.3	ug/kg	
71-43-2	Benzene	4.5	0.55	0.27	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.40	ug/kg	
75-25-2	Bromoform	ND	2.2	0.32	ug/kg	
74-83-9	Bromomethane	ND	2.2	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.5	3.4	ug/kg	
75-15-0	Carbon disulfide	9.9	5.5	0.17	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.30	ug/kg	
75-00-3	Chloroethane	ND	5.5	0.66	ug/kg	
67-66-3	Chloroform	ND	2.2	0.32	ug/kg	
74-87-3	Chloromethane	ND	5.5	1.3	ug/kg	
110-82-7	Cyclohexane	2.2	5.5	0.29	ug/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	2.2	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.47	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.2	0.62	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.2	0.23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.2	0.25	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.2	0.22	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.2	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.2	0.37	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.2	0.60	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.2	0.57	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.2	0.56	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.2	0.49	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.46	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.32	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.32	ug/kg	
100-41-4	Ethylbenzene	0.88	2.2	0.20	ug/kg	J
76-13-1	Freon 113	ND	5.5	1.0	ug/kg	
591-78-6	2-Hexanone	ND	5.5	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	0.31	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-SB-518 (8)		
Lab Sample ID:	MC26964-9	**Date Sampled:**	12/06/13
Matrix:	SO - Soil	**Date Received:**	12/09/13
Method:	SW846 8260C	**Percent Solids:**	87.7
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.5	3.1	ug/kg	
108-87-2	Methylcyclohexane	1.4	5.5	0.23	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	2.2	0.44	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.5	2.0	ug/kg	
75-09-2	Methylene chloride	4.7	2.2	1.7	ug/kg	
100-42-5	Styrene	ND	5.5	0.23	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.32	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	0.49	ug/kg	
108-88-3	Toluene	3.2	5.5	0.27	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	0.40	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.20	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.38	ug/kg	
79-01-6	Trichloroethene	46.1	2.2	0.52	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.2	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	0.63	ug/kg	
1330-20-7	Xylene (total)	1.2	2.2	0.23	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
78-78-4	Butane, 2-methyl-	6.06	4.7	ug/kg	JN
109-66-0	Pentane	6.49	13	ug/kg	JN
563-45-1	1-Butene, 3-methyl-	6.65	3.5	ug/kg	JN
110-54-3	Hexane	8.46	8.3	ug/kg	JN
142-82-5	Heptane	10.51	5.9	ug/kg	JN
	Total TIC, Volatile		35.4	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-GW-MW36 (SRX)
Lab Sample ID: MC26964-11
Matrix: AQ - Ground Water
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 12/06/13
Date Received: 12/09/13
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	5.5	4.0	2.9	ug/l	1	12/10/13	12/12/13	EAL	SW846 6010C [1]	SW846 3010A [3]
Barium	101	50	0.81	ug/l	1	12/10/13	12/12/13	EAL	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.50 U	4.0	0.50	ug/l	1	12/10/13	12/12/13	EAL	SW846 6010C [1]	SW846 3010A [3]
Chromium	18.2	10	1.4	ug/l	1	12/10/13	12/12/13	EAL	SW846 6010C [1]	SW846 3010A [3]
Lead	43.6	5.0	1.7	ug/l	1	12/10/13	12/12/13	EAL	SW846 6010C [1]	SW846 3010A [3]
Mercury	0.067 U	0.20	0.067	ug/l	1	12/13/13	12/13/13	SA	SW846 7470A [2]	SW846 7470A [4]
Selenium	4.8 U	10	4.8	ug/l	1	12/10/13	12/12/13	EAL	SW846 6010C [1]	SW846 3010A [3]
Silver	1.2 B	5.0	1.0	ug/l	1	12/10/13	12/12/13	EAL	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA16550
(2) Instrument QC Batch: MA16553
(3) Prep QC Batch: MP22226
(4) Prep QC Batch: MP22251

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	LBA-GW-MW36 (SRX)		
Lab Sample ID:	MC26964-11	**Date Sampled:**	12/06/13
Matrix:	AQ - Ground Water	**Date Received:**	12/09/13
		Percent Solids:	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	1.9	0.10	mg/l	10	12/10/13 15:02	MA	SW846 9012

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	LBA-SB-519 (8)		
Lab Sample ID:	MC26964-12	**Date Sampled:**	12/06/13
Matrix:	SO - Soil	**Date Received:**	12/09/13
Method:	SW846 8260C	**Percent Solids:**	87.2
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M62177.D	1	12/14/13	KD	n/a	n/a	MSM2172
Run #2							

	Initial Weight	Final Volume
Run #1	4.24 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	14	5.3	ug/kg	
71-43-2	Benzene	ND	0.68	0.33	ug/kg	
75-27-4	Bromodichloromethane	ND	2.7	0.49	ug/kg	
75-25-2	Bromoform	ND	2.7	0.39	ug/kg	
74-83-9	Bromomethane	ND	2.7	1.3	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.8	4.2	ug/kg	
75-15-0	Carbon disulfide	1.4	6.8	0.20	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.7	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	2.7	0.37	ug/kg	
75-00-3	Chloroethane	ND	6.8	0.81	ug/kg	
67-66-3	Chloroform	ND	2.7	0.39	ug/kg	
74-87-3	Chloromethane	ND	6.8	1.6	ug/kg	
110-82-7	Cyclohexane	ND	6.8	0.36	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.8	2.7	ug/kg	
124-48-1	Dibromochloromethane	ND	2.7	0.58	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.7	0.77	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.7	0.28	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.7	0.30	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.7	0.27	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.7	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.7	0.45	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.7	0.73	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.7	0.71	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.7	0.69	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.7	0.60	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.7	0.57	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.7	0.39	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.7	0.39	ug/kg	
100-41-4	Ethylbenzene	ND	2.7	0.24	ug/kg	
76-13-1	Freon 113	ND	6.8	1.2	ug/kg	
591-78-6	2-Hexanone	ND	6.8	3.3	ug/kg	
98-82-8	Isopropylbenzene	ND	6.8	0.38	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-SB-519 (8)		
Lab Sample ID:	MC26964-12	**Date Sampled:**	12/06/13
Matrix:	SO - Soil	**Date Received:**	12/09/13
Method:	SW846 8260C	**Percent Solids:**	87.2
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.8	3.8	ug/kg	
108-87-2	Methylcyclohexane	ND	6.8	0.29	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.7	0.54	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.8	2.5	ug/kg	
75-09-2	Methylene chloride	ND	2.7	2.1	ug/kg	
100-42-5	Styrene	ND	6.8	0.28	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.7	0.40	ug/kg	
127-18-4	Tetrachloroethene	ND	2.7	0.60	ug/kg	
108-88-3	Toluene	ND	6.8	0.33	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.8	0.49	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.7	0.24	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.7	0.47	ug/kg	
79-01-6	Trichloroethene	4.6	2.7	0.64	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.7	1.4	ug/kg	
75-01-4	Vinyl chloride	ND	2.7	0.77	ug/kg	
1330-20-7	Xylene (total)	ND	2.7	0.28	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		70-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY RECORD

MC26964

Page 1 of 1

Project Number:	Site and Location:
A255	EPT Ithaca

Contact Name:	Contact Email:
Lisa.Bryda@wspgroup.com	

Sampler's Name:	Sampler's Signature:
MFleming	Matthew Fleming

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

Sample Identification:	Depth	Date	Time	Matrix	Number of Containers											Remarks
LBA-SB-512 (0.5)	0.5	12/5/13	1535	S	1				-1							
LBA-SB-513 (6.5-7.5)	6.5-7.5		1615		1				-2							
LBA-SB-514 (1)	1		1645		1				-3							
LBA-SB-515 (1)	1		1655		1				-4							
LBA-SB-516 (0.5-1.5)	0.5-1.5	12/6/13	0845	S	1				-5							
LBA-SB-517 (1-1.5)	1-1.5		0910		1				-6							
LBA-SB-518-(3-4)	3-4	12/6/13	1115	S	1				-7							
LBA-SB-518-(4-6)	4-6	12/6/13	1120	S	1				-8							
LBA-SB-518-(8)	8	12/6/13	1128	S	1				-9							
LBA-SB-518-(10)	10	12/6/13	1135	S	1				-10							
LBA-GW-MW36 (SRX)	~~2~~	12/6/13	1145	Aq	2				-11							
LBA-SB-519-(8)	8	12/6/13	1210	S	1				-12							
LBA-SB-520-(8)	8	12/6/13	1514	S	1				-13							

Nº NYSCAT13 Deliverable

9F, 6D

Relinquished by (Signature):	Date / Time	Received by (Signature):
	12/6/13 1000	FedEx
Relinquished by (Signature):	Date / Time	Received by (Signature):
FX	12-9-13 1002	

Laboratory Name: Accutest

Laboratory Location: MA

Custody Seal Numbers: 02182, 02183

Turn-Around Time: 5-day upon release

Tracking Number: 8041 4205 4073

Method of Shipment: FedEx

WSP Environment & Energy

- [x] Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- [ ] Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- [ ] San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- [ ] New Jersey Office: 200 Cottontail Ln., Somerset, NJ 08873 / Tel: 732-564-0888
- [ ] Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- [ ] Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- [ ] Woburn Office: 300 Trade Center, Suite 4690, Woburn, MA 01801
- [ ] Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

MC26964: Chain of Custody
Page 1 of 1

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC26964

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC26964-1 Collected: 05-DEC-13 15:35 By: MF LBA-SB-512 (0.5)			Received: 09-DEC-13 By:			
MC26964-1	SM21 2540 B MOD.	13-DEC-13	HS			%SOL
MC26964-1	SW846 6010C	13-DEC-13 12:24	SA	12-DEC-13	EM	AG,AS,BA,CD,CR,PB,SE
MC26964-1	SW846 7471B	16-DEC-13 14:51	SA	16-DEC-13	EM	HG
MC26964-1	SW846 9012 M	16-DEC-13 16:19	MA	16-DEC-13	MA	CN
MC26964-2 Collected: 05-DEC-13 16:15 By: MF LBA-SB-513 (6.5-7.5)			Received: 09-DEC-13 By:			
MC26964-2	SM21 2540 B MOD.	13-DEC-13	HS			%SOL
MC26964-2	SW846 6010C	13-DEC-13 12:29	SA	12-DEC-13	EM	AG,AS,CD,CR,PB,SE
MC26964-2	SW846 7471B	16-DEC-13 14:53	SA	16-DEC-13	EM	HG
MC26964-2	SW846 9012 M	16-DEC-13 16:20	MA	16-DEC-13	MA	CN
MC26964-2	SW846 6010C	16-DEC-13 21:35	SA	12-DEC-13	EM	BA
MC26964-3 Collected: 05-DEC-13 16:45 By: MF LBA-SB-514 (1)			Received: 09-DEC-13 By:			
MC26964-3	SM21 2540 B MOD.	13-DEC-13	HS			%SOL
MC26964-3	SW846 6010C	13-DEC-13 12:44	SA	12-DEC-13	EM	AG,BA,CD,CR,PB,SE
MC26964-3	SW846 8260C	14-DEC-13 07:05	KD			V8260TCL42+
MC26964-3	SW846 7471B	16-DEC-13 14:56	SA	16-DEC-13	EM	HG
MC26964-3	SW846 9012 M	16-DEC-13 16:21	MA	16-DEC-13	MA	CN
MC26964-3	SW846 6010C	16-DEC-13 21:30	SA	12-DEC-13	EM	AS
MC26964-4 Collected: 05-DEC-13 16:55 By: MF LBA-SB-515 (1)			Received: 09-DEC-13 By:			
MC26964-4	SM21 2540 B MOD.	13-DEC-13	HS			%SOL
MC26964-4	SW846 6010C	13-DEC-13 12:49	SA	12-DEC-13	EM	AG,AS,BA,CD,CR,PB,SE
MC26964-4	SW846 7471B	16-DEC-13 14:58	SA	16-DEC-13	EM	HG
MC26964-4	SW846 9012 M	16-DEC-13 15:03	MA	16-DEC-13	MA	CN
MC26964-6 Collected: 06-DEC-13 09:10 By: MF LBA-SB-517 (1-1.5)			Received: 09-DEC-13 By:			
MC26964-6	SM21 2540 B MOD.	13-DEC-13	HS			%SOL
MC26964-6	SW846 8260C	13-DEC-13 17:59	JM			V8260TCL42+

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC26964

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC26964-7	Collected: 06-DEC-13 11:15 By: MF		Received: 09-DEC-13 By:			
LBA-SB-518 (3-4)						
MC26964-7	SM21 2540 B MOD.	13-DEC-13	HS			%SOL
MC26964-7	SW846 8260C	13-DEC-13 18:28	JM			V8260TCL42+
MC26964-8	Collected: 06-DEC-13 11:20 By: MF		Received: 09-DEC-13 By:			
LBA-SB-518 (4-6)						
MC26964-8	SM21 2540 B MOD.	13-DEC-13	HS			%SOL
MC26964-8	SW846 6010C	13-DEC-13 12:54	SA	12-DEC-13	EM	AG,AS,BA,CD,CR,PB,SE
MC26964-8	SW846 7471B	16-DEC-13 15:06	SA	16-DEC-13	EM	HG
MC26964-9	Collected: 06-DEC-13 11:28 By: MF		Received: 09-DEC-13 By:			
LBA-SB-518 (8)						
MC26964-9	SM21 2540 B MOD.	13-DEC-13	HS			%SOL
MC26964-9	SW846 8260C	14-DEC-13 07:34	KD			V8260TCL42+
MC26964-11	Collected: 06-DEC-13 11:45 By: MF		Received: 09-DEC-13 By:			
LBA-GW-MW36 (SRX)						
MC26964-11	SW846 9012	10-DEC-13 15:02	MA	10-DEC-13	MA	CN
MC26964-11	SW846 6010C	12-DEC-13 14:52	EAL	10-DEC-13	EM	AG,AS,BA,CD,CR,PB,SE
MC26964-11	SW846 7470A	13-DEC-13 14:08	SA	13-DEC-13	EM	HG
MC26964-12	Collected: 06-DEC-13 12:10 By: MF		Received: 09-DEC-13 By:			
LBA-SB-519 (8)						
MC26964-12	SM21 2540 B MOD.	13-DEC-13	HS			%SOL
MC26964-12	SW846 8260C	14-DEC-13 08:03	KD			V8260TCL42+

Accutest Internal Chain of Custody

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 12/09/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC26964-1.1	Walk In Ref #9	Mohammad Adib	12/12/13 14:51	Retrieve from Storage
MC26964-1.1	Mohammad Adib	Walk In Ref #9	12/12/13 14:53	Return to Storage
MC26964-1.1	Walk In Ref #9	Hamid Siamak	12/13/13 08:36	Retrieve from Storage
MC26964-1.1	Hamid Siamak	Walk In Ref #9	12/13/13 08:36	Return to Storage
MC26964-1.1	Walk In Ref #9	Mehdi Abdolrahim	12/16/13 07:06	Retrieve from Storage
MC26964-1.1	Mehdi Abdolrahim	Walk In Ref #9	12/16/13 09:47	Return to Storage
MC26964-1.1	Walk In Ref #9	Mohammad Adib	12/16/13 16:45	Retrieve from Storage
MC26964-1.1	Mohammad Adib	Walk In Ref #9	12/16/13 16:50	Return to Storage
MC26964-2.1	Walk In Ref #9	Mohammad Adib	12/12/13 14:51	Retrieve from Storage
MC26964-2.1	Mohammad Adib	Walk In Ref #9	12/12/13 14:53	Return to Storage
MC26964-2.1	Walk In Ref #9	Hamid Siamak	12/13/13 08:36	Retrieve from Storage
MC26964-2.1	Hamid Siamak	Walk In Ref #9	12/13/13 08:36	Return to Storage
MC26964-2.1	Walk In Ref #9	Mehdi Abdolrahim	12/16/13 07:06	Retrieve from Storage
MC26964-2.1	Mehdi Abdolrahim	Walk In Ref #9	12/16/13 09:47	Return to Storage
MC26964-2.1	Walk In Ref #9	Mohammad Adib	12/16/13 16:45	Retrieve from Storage
MC26964-2.1	Mohammad Adib	Walk In Ref #9	12/16/13 16:50	Return to Storage
MC26964-3.1	Walk In Ref #9	Mohammad Adib	12/12/13 14:51	Retrieve from Storage
MC26964-3.1	Mohammad Adib	Walk In Ref #9	12/12/13 14:53	Return to Storage
MC26964-3.1	Walk In Ref #9	Hamid Siamak	12/13/13 08:36	Retrieve from Storage
MC26964-3.1	Hamid Siamak	Walk In Ref #9	12/13/13 08:36	Return to Storage
MC26964-3.1	Walk In Ref #9	Krysten Dufort	12/13/13 15:25	Retrieve from Storage
MC26964-3.1	Krysten Dufort	Walk In Ref #9	12/13/13 15:25	Return to Storage
MC26964-3.1	Walk In Ref #9	Mehdi Abdolrahim	12/16/13 07:06	Retrieve from Storage
MC26964-3.1	Mehdi Abdolrahim	Walk In Ref #9	12/16/13 09:47	Return to Storage
MC26964-3.1	Walk In Ref #9	Mohammad Adib	12/16/13 16:45	Retrieve from Storage
MC26964-3.1	Mohammad Adib	Walk In Ref #9	12/16/13 16:50	Return to Storage
MC26964-4.1	Walk In Ref #9	Eric Mensah	12/12/13 14:57	Retrieve from Storage
MC26964-4.1	Eric Mensah	Walk In Ref #9	12/12/13 14:57	Return to Storage
MC26964-4.1	Walk In Ref #9	Hamid Siamak	12/13/13 08:36	Retrieve from Storage
MC26964-4.1	Hamid Siamak	Walk In Ref #9	12/13/13 08:36	Return to Storage
MC26964-4.1	Walk In Ref #9	Mehdi Abdolrahim	12/16/13 07:06	Retrieve from Storage
MC26964-4.1	Mehdi Abdolrahim	Walk In Ref #9	12/16/13 09:47	Return to Storage
MC26964-4.1	Walk In Ref #9	Mohammad Adib	12/16/13 16:45	Retrieve from Storage
MC26964-4.1	Mohammad Adib	Walk In Ref #9	12/16/13 16:50	Return to Storage
MC26964-6.1	Walk In Ref #9	Hamid Siamak	12/13/13 08:36	Retrieve from Storage
MC26964-6.1	Hamid Siamak	Walk In Ref #9	12/13/13 08:36	Return to Storage
MC26964-7.1	Walk In Ref #9	Hamid Siamak	12/13/13 08:36	Retrieve from Storage
MC26964-7.1	Hamid Siamak	Walk In Ref #9	12/13/13 08:36	Return to Storage

Accutest Internal Chain of Custody

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 12/09/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC26964-8.1	Walk In Ref #9	Mohammad Adib	12/12/13 14:51	Retrieve from Storage
MC26964-8.1	Mohammad Adib	Walk In Ref #9	12/12/13 14:53	Return to Storage
MC26964-8.1	Walk In Ref #9	Hamid Siamak	12/13/13 08:36	Retrieve from Storage
MC26964-8.1	Hamid Siamak	Walk In Ref #9	12/13/13 08:36	Return to Storage
MC26964-8.1	Walk In Ref #9	Mohammad Adib	12/16/13 16:45	Retrieve from Storage
MC26964-8.1	Mohammad Adib	Walk In Ref #9	12/16/13 16:50	Return to Storage
MC26964-9.1	Walk In Ref #9	Hamid Siamak	12/13/13 08:36	Retrieve from Storage
MC26964-9.1	Hamid Siamak	Walk In Ref #9	12/13/13 08:36	Return to Storage
MC26964-9.1	Walk In Ref #9	Krysten Dufort	12/13/13 15:25	Retrieve from Storage
MC26964-9.1	Krysten Dufort	Walk In Ref #9	12/13/13 15:25	Return to Storage
MC26964-11.1	Walk In Ref #9	Mohammad Adib	12/10/13 08:22	Retrieve from Storage
MC26964-11.1	Mohammad Adib	Walk In Ref #9	12/10/13 08:37	Return to Storage
MC26964-11.1	Walk In Ref #9	Mehdi Abdolrahim	12/10/13 11:02	Retrieve from Storage
MC26964-11.1	Mehdi Abdolrahim	Walk In Ref #9	12/10/13 11:37	Return to Storage
MC26964-11.2	Walk In Ref #9	Mehdi Abdolrahim	12/10/13 10:52	Retrieve from Storage
MC26964-11.2	Mehdi Abdolrahim	Walk In Ref #9	12/10/13 11:02	Return to Storage
MC26964-12.1	Walk In Ref #9	Hamid Siamak	12/13/13 08:36	Retrieve from Storage
MC26964-12.1	Hamid Siamak	Walk In Ref #9	12/13/13 08:36	Return to Storage
MC26964-12.1	Walk In Ref #9	Krysten Dufort	12/13/13 15:25	Retrieve from Storage
MC26964-12.1	Krysten Dufort	Walk In Ref #9	12/13/13 15:25	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5173-MB	G134049.D	1	12/13/13	JM	n/a	n/a	MSG5173

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26964-6, MC26964-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	190	ug/kg	
71-43-2	Benzene	ND	25	12	ug/kg	
75-27-4	Bromodichloromethane	ND	100	18	ug/kg	
75-25-2	Bromoform	ND	100	15	ug/kg	
74-83-9	Bromomethane	ND	100	49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	250	150	ug/kg	
75-15-0	Carbon disulfide	ND	250	7.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	58	ug/kg	
108-90-7	Chlorobenzene	ND	100	13	ug/kg	
75-00-3	Chloroethane	ND	250	30	ug/kg	
67-66-3	Chloroform	ND	100	14	ug/kg	
74-87-3	Chloromethane	ND	250	61	ug/kg	
110-82-7	Cyclohexane	ND	250	13	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	100	ug/kg	
124-48-1	Dibromochloromethane	ND	100	21	ug/kg	
106-93-4	1,2-Dibromoethane	ND	100	28	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	100	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	100	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	100	10	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	100	56	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	27	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	26	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	22	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	15	ug/kg	
100-41-4	Ethylbenzene	ND	100	8.9	ug/kg	
76-13-1	Freon 113	ND	250	46	ug/kg	
591-78-6	2-Hexanone	ND	250	120	ug/kg	
98-82-8	Isopropylbenzene	ND	250	14	ug/kg	
79-20-9	Methyl Acetate	ND	250	140	ug/kg	
108-87-2	Methylcyclohexane	ND	250	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	100	20	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	92	ug/kg	

Method Blank Summary

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5173-MB	G134049.D	1	12/13/13	JM	n/a	n/a	MSG5173

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26964-6, MC26964-7

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	100	77	ug/kg	
100-42-5	Styrene	ND	250	10	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	15	ug/kg	
127-18-4	Tetrachloroethene	ND	100	22	ug/kg	
108-88-3	Toluene	ND	250	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100	9.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	17	ug/kg	
79-01-6	Trichloroethene	ND	100	24	ug/kg	
75-69-4	Trichlorofluoromethane	ND	100	52	ug/kg	
75-01-4	Vinyl chloride	ND	100	28	ug/kg	
1330-20-7	Xylene (total)	ND	100	10	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	110%	70-130%
2037-26-5	Toluene-D8	105%	70-130%
460-00-4	4-Bromofluorobenzene	95%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2172-MB	M62166.D	1	12/14/13	KD	n/a	n/a	MSM2172

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26964-3, MC26964-9, MC26964-12

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.9	ug/kg	
71-43-2	Benzene	ND	0.50	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.36	ug/kg	
75-25-2	Bromoform	ND	2.0	0.29	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.97	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.2	ug/kg	
110-82-7	Cyclohexane	ND	5.0	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.52	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.0	0.92	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.28	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.8	ug/kg	
108-87-2	Methylcyclohexane	ND	5.0	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.8	ug/kg	

Method Blank Summary

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2172-MB	M62166.D	1	12/14/13	KD	n/a	n/a	MSM2172

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26964-3, MC26964-9, MC26964-12

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	1.5	ug/kg	
100-42-5	Styrene	ND	5.0	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.44	ug/kg	
108-88-3	Toluene	ND	5.0	0.24	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.47	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.20	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	108%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5173-BS	G134047.D	1	12/13/13	JM	n/a	n/a	MSG5173

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26964-6, MC26964-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	2500	2050	82	70-130
71-43-2	Benzene	2500	2410	96	70-130
75-27-4	Bromodichloromethane	2500	2900	116	70-130
75-25-2	Bromoform	2500	2930	117	70-130
74-83-9	Bromomethane	2500	3960	158* [a]	70-130
78-93-3	2-Butanone (MEK)	2500	2240	90	70-130
75-15-0	Carbon disulfide	2500	2590	104	70-130
56-23-5	Carbon tetrachloride	2500	3140	126	70-130
108-90-7	Chlorobenzene	2500	2340	94	70-130
75-00-3	Chloroethane	2500	3260	130	70-130
67-66-3	Chloroform	2500	2690	108	70-130
74-87-3	Chloromethane	2500	2360	94	70-130
110-82-7	Cyclohexane	2500	1870	75	70-130
96-12-8	1,2-Dibromo-3-chloropropane	2500	2680	107	70-130
124-48-1	Dibromochloromethane	2500	2820	113	70-130
106-93-4	1,2-Dibromoethane	2500	2450	98	70-130
95-50-1	1,2-Dichlorobenzene	2500	2290	92	70-130
541-73-1	1,3-Dichlorobenzene	2500	2330	93	70-130
106-46-7	1,4-Dichlorobenzene	2500	2320	93	70-130
75-71-8	Dichlorodifluoromethane	2500	2780	111	70-130
75-34-3	1,1-Dichloroethane	2500	2360	94	70-130
107-06-2	1,2-Dichloroethane	2500	2780	111	70-130
75-35-4	1,1-Dichloroethene	2500	2830	113	70-130
156-59-2	cis-1,2-Dichloroethene	2500	2530	101	70-130
156-60-5	trans-1,2-Dichloroethene	2500	2780	111	70-130
78-87-5	1,2-Dichloropropane	2500	2180	87	70-130
10061-01-5	cis-1,3-Dichloropropene	2500	2500	100	70-130
10061-02-6	trans-1,3-Dichloropropene	2500	2960	118	70-130
100-41-4	Ethylbenzene	2500	2460	98	70-130
76-13-1	Freon 113	2500	2750	110	70-130
591-78-6	2-Hexanone	2500	1910	76	70-130
98-82-8	Isopropylbenzene	2500	2340	94	70-130
79-20-9	Methyl Acetate	2500	1830	73	33-141
108-87-2	Methylcyclohexane	2500	2070	83	78-140
1634-04-4	Methyl Tert Butyl Ether	2500	2630	105	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	2500	2400	96	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5173-BS	G134047.D	1	12/13/13	JM	n/a	n/a	MSG5173

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26964-6, MC26964-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
75-09-2	Methylene chloride	2500	2550	102	70-130
100-42-5	Styrene	2500	2490	100	70-130
79-34-5	1,1,2,2-Tetrachloroethane	2500	2150	86	70-130
127-18-4	Tetrachloroethene	2500	2500	100	70-130
108-88-3	Toluene	2500	2730	109	70-130
120-82-1	1,2,4-Trichlorobenzene	2500	2450	98	70-130
71-55-6	1,1,1-Trichloroethane	2500	2710	108	70-130
79-00-5	1,1,2-Trichloroethane	2500	2460	98	70-130
79-01-6	Trichloroethene	2500	2680	107	70-130
75-69-4	Trichlorofluoromethane	2500	3360	134* [b]	70-130
75-01-4	Vinyl chloride	2500	3550	142* [a]	70-130
1330-20-7	Xylene (total)	7500	7180	96	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	110%	70-130%
2037-26-5	Toluene-D8	105%	70-130%
460-00-4	4-Bromofluorobenzene	91%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.
(b) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2172-BS	M62164.D	1	12/14/13	KD	n/a	n/a	MSM2172

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26964-3, MC26964-9, MC26964-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	33.1	66* [a]	70-130
71-43-2	Benzene	50	46.2	92	70-130
75-27-4	Bromodichloromethane	50	52.3	105	70-130
75-25-2	Bromoform	50	68.2	136* [b]	70-130
74-83-9	Bromomethane	50	41.9	84	70-130
78-93-3	2-Butanone (MEK)	50	37.0	74	70-130
75-15-0	Carbon disulfide	50	52.6	105	70-130
56-23-5	Carbon tetrachloride	50	54.6	109	70-130
108-90-7	Chlorobenzene	50	52.1	104	70-130
75-00-3	Chloroethane	50	44.2	88	70-130
67-66-3	Chloroform	50	49.1	98	70-130
74-87-3	Chloromethane	50	42.2	84	70-130
110-82-7	Cyclohexane	50	46.4	93	70-130
96-12-8	1,2-Dibromo-3-chloropropane	50	56.3	113	70-130
124-48-1	Dibromochloromethane	50	61.6	123	70-130
106-93-4	1,2-Dibromoethane	50	53.9	108	70-130
95-50-1	1,2-Dichlorobenzene	50	56.3	113	70-130
541-73-1	1,3-Dichlorobenzene	50	53.7	107	70-130
106-46-7	1,4-Dichlorobenzene	50	54.6	109	70-130
75-71-8	Dichlorodifluoromethane	50	40.1	80	70-130
75-34-3	1,1-Dichloroethane	50	50.0	100	70-130
107-06-2	1,2-Dichloroethane	50	50.4	101	70-130
75-35-4	1,1-Dichloroethene	50	46.9	94	70-130
156-59-2	cis-1,2-Dichloroethene	50	47.7	95	70-130
156-60-5	trans-1,2-Dichloroethene	50	50.2	100	70-130
78-87-5	1,2-Dichloropropane	50	46.4	93	70-130
10061-01-5	cis-1,3-Dichloropropene	50	46.3	93	70-130
10061-02-6	trans-1,3-Dichloropropene	50	52.9	106	70-130
100-41-4	Ethylbenzene	50	52.8	106	70-130
76-13-1	Freon 113	50	51.8	104	70-130
591-78-6	2-Hexanone	50	47.8	96	70-130
98-82-8	Isopropylbenzene	50	49.6	99	70-130
79-20-9	Methyl Acetate	50	43.8	88	33-141
108-87-2	Methylcyclohexane	50	48.1	96	78-140
1634-04-4	Methyl Tert Butyl Ether	50	47.6	95	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	52.9	106	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2172-BS	M62164.D	1	12/14/13	KD	n/a	n/a	MSM2172

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26964-3, MC26964-9, MC26964-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
75-09-2	Methylene chloride	50	49.0	98	70-130
100-42-5	Styrene	50	55.2	110	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	60.9	122	70-130
127-18-4	Tetrachloroethene	50	49.9	100	70-130
108-88-3	Toluene	50	49.7	99	70-130
120-82-1	1,2,4-Trichlorobenzene	50	49.1	98	70-130
71-55-6	1,1,1-Trichloroethane	50	51.6	103	70-130
79-00-5	1,1,2-Trichloroethane	50	52.2	104	70-130
79-01-6	Trichloroethene	50	46.5	93	70-130
75-69-4	Trichlorofluoromethane	50	42.9	86	70-130
75-01-4	Vinyl chloride	50	33.8	68* [a]	70-130
1330-20-7	Xylene (total)	150	158	105	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	70-130%
2037-26-5	Toluene-D8	96%	70-130%
460-00-4	4-Bromofluorobenzene	99%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.
(b) Outside control limits. Associated samples are non-detect for this compound.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC26964-6MS	G134067.D	1	12/13/13	JM	n/a	n/a	MSG5173
MC26964-6MSD	G134068.D	1	12/13/13	JM	n/a	n/a	MSG5173
MC26964-6	G134065.D	1	12/13/13	JM	n/a	n/a	MSG5173

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26964-6, MC26964-7

CAS No.	Compound	MC26964-6 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		2560	1740	68* [a]	1740	68* [a]	0	70-130/30
71-43-2	Benzene	ND		2560	2540	99	2460	96	3	70-130/30
75-27-4	Bromodichloromethane	ND		2560	2980	117	2900	113	3	70-130/30
75-25-2	Bromoform	ND		2560	2930	115	2900	113	1	70-130/30
74-83-9	Bromomethane	ND		2560	4010	157* [a]	4020	157* [a]	0	70-130/30
78-93-3	2-Butanone (MEK)	ND		2560	2140	84	2270	89	6	70-130/30
75-15-0	Carbon disulfide	ND		2560	2800	110	2730	107	3	70-130/30
56-23-5	Carbon tetrachloride	ND		2560	3430	134* [a]	3200	125	7	70-130/30
108-90-7	Chlorobenzene	ND		2560	2420	95	2370	93	2	70-130/30
75-00-3	Chloroethane	ND		2560	3370	132* [a]	3260	128	3	70-130/30
67-66-3	Chloroform	ND		2560	2860	112	2900	113	1	70-130/30
74-87-3	Chloromethane	ND		2560	2500	98	2380	93	5	70-130/30
110-82-7	Cyclohexane	ND		2560	2020	79	1600	63* [a]	23	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		2560	2910	114	2770	108	5	70-130/30
124-48-1	Dibromochloromethane	ND		2560	2880	113	2840	111	1	70-130/30
106-93-4	1,2-Dibromoethane	ND		2560	2470	97	2470	97	0	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		2560	2320	91	2280	89	2	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		2560	2390	93	2320	91	3	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		2560	2420	95	2330	91	4	70-130/30
75-71-8	Dichlorodifluoromethane	ND		2560	2900	113	2670	104	8	70-130/30
75-34-3	1,1-Dichloroethane	ND		2560	2380	93	2470	97	4	70-130/30
107-06-2	1,2-Dichloroethane	ND		2560	2930	115	2880	113	2	70-130/30
75-35-4	1,1-Dichloroethene	ND		2560	2950	115	2860	112	3	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		2560	2760	108	2650	104	4	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		2560	2860	112	2830	111	1	70-130/30
78-87-5	1,2-Dichloropropane	ND		2560	2230	87	2160	84	3	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		2560	2520	99	2520	99	0	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		2560	2960	116	2890	113	2	70-130/30
100-41-4	Ethylbenzene	ND		2560	2560	100	2500	98	2	70-130/30
76-13-1	Freon 113	ND		2560	2620	102	2850	111	8	70-130/30
591-78-6	2-Hexanone	ND		2560	1640	64* [a]	1580	62* [a]	4	70-130/30
98-82-8	Isopropylbenzene	ND		2560	2490	97	2350	92	6	70-130/30
79-20-9	Methyl Acetate	ND		2560	1950	76	1900	74	3	30-160/30
108-87-2	Methylcyclohexane	ND		2560	2330	91	2040	80	13	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		2560	2750	108	2760	108	0	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2560	2550	100	2490	97	2	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC26964-6MS	G134067.D	1	12/13/13	JM	n/a	n/a	MSG5173
MC26964-6MSD	G134068.D	1	12/13/13	JM	n/a	n/a	MSG5173
MC26964-6	G134065.D	1	12/13/13	JM	n/a	n/a	MSG5173

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26964-6, MC26964-7

CAS No.	Compound	MC26964-6 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	ND		2560	2740	107	2750	108	0	70-130/30
100-42-5	Styrene	ND		2560	2550	100	2510	98	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		2560	2190	86	2160	84	1	70-130/30
127-18-4	Tetrachloroethene	71.3	J	2560	2800	107	2670	102	5	70-130/30
108-88-3	Toluene	ND		2560	2820	110	2780	109	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		2560	2560	100	2500	98	2	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		2560	2950	115	2870	112	3	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		2560	2540	99	2480	97	2	70-130/30
79-01-6	Trichloroethene	2690		2560	5670	117	5560	112	2	70-130/30
75-69-4	Trichlorofluoromethane	ND		2560	3500	137* [a]	3400	133* [a]	3	70-130/30
75-01-4	Vinyl chloride	ND		2560	3940	154* [a]	3930	154* [a]	0	70-130/30
1330-20-7	Xylene (total)	ND		7670	7460	97	7190	94	4	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC26964-6	Limits
1868-53-7	Dibromofluoromethane	114%	111%	112%	70-130%
2037-26-5	Toluene-D8	107%	103%	106%	70-130%
460-00-4	4-Bromofluorobenzene	93%	88%	95%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC27002-25MS	M62178.D	1	12/14/13	KD	n/a	n/a	MSM2172
MC27002-25MSD	M62179.D	1	12/14/13	KD	n/a	n/a	MSM2172
MC27002-25	M62167.D	1	12/14/13	KD	n/a	n/a	MSM2172

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26964-3, MC26964-9, MC26964-12

CAS No.	Compound	MC27002-25 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	13 U		57.3	92.7	162* a	79.7	144* a	15	70-130/30
71-43-2	Benzene	0.65 U		57.3	51.3	90	48.3	87	6	70-130/30
75-27-4	Bromodichloromethane	2.6 U		57.3	59.5	104	51.3	93	15	70-130/30
75-25-2	Bromoform	2.6 U		57.3	65.2	114	47.6	86	31* b	70-130/30
74-83-9	Bromomethane	2.6 U		57.3	39.2	68* a	39.7	72	1	70-130/30
78-93-3	2-Butanone (MEK)	6.5 U		57.3	63.8	111	55.3	100	14	70-130/30
75-15-0	Carbon disulfide	6.5 U		57.3	64.7	113	60.5	109	7	70-130/30
56-23-5	Carbon tetrachloride	2.6 U		57.3	69.6	122	66.3	120	5	70-130/30
108-90-7	Chlorobenzene	2.6 U		57.3	54.4	95	44.2	80	21	70-130/30
75-00-3	Chloroethane	6.5 U		57.3	42.9	75	43.4	78	1	70-130/30
67-66-3	Chloroform	2.6 U		57.3	56.5	99	52.4	95	8	70-130/30
74-87-3	Chloromethane	6.5 U		57.3	40.2	70	41.8	75	4	70-130/30
110-82-7	Cyclohexane	6.5 U		57.3	56.8	99	55.1	99	3	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	6.5 U		57.3	55.7	97	43.0	78	26	70-130/30
124-48-1	Dibromochloromethane	2.6 U		57.3	65.7	115	50.0	90	27	70-130/30
106-93-4	1,2-Dibromoethane	2.6 U		57.3	56.7	99	47.3	85	18	70-130/30
95-50-1	1,2-Dichlorobenzene	2.6 U		57.3	42.6	74	31.2	56* a	31* b	70-130/30
541-73-1	1,3-Dichlorobenzene	2.6 U		57.3	45.4	79	32.7	59* a	33* b	70-130/30
106-46-7	1,4-Dichlorobenzene	2.6 U		57.3	45.1	79	32.2	58* a	33* b	70-130/30
75-71-8	Dichlorodifluoromethane	2.6 U		57.3	37.9	66* a	35.7	64* a	6	70-130/30
75-34-3	1,1-Dichloroethane	2.6 U		57.3	58.0	101	54.2	98	7	70-130/30
107-06-2	1,2-Dichloroethane	2.6 U		57.3	55.7	97	51.0	92	9	70-130/30
75-35-4	1,1-Dichloroethene	2.6 U		57.3	64.1	112	60.8	110	5	70-130/30
156-59-2	cis-1,2-Dichloroethene	2.6 U		57.3	52.6	92	48.7	88	8	70-130/30
156-60-5	trans-1,2-Dichloroethene	2.6 U		57.3	56.9	99	54.7	99	4	70-130/30
78-87-5	1,2-Dichloropropane	2.6 U		57.3	51.3	90	46.2	83	10	70-130/30
10061-01-5	cis-1,3-Dichloropropene	2.6 U		57.3	48.9	85	42.2	76	15	70-130/30
10061-02-6	trans-1,3-Dichloropropene	2.6 U		57.3	54.6	95	45.4	82	18	70-130/30
100-41-4	Ethylbenzene	2.6 U		57.3	60.3	105	49.8	90	19	70-130/30
76-13-1	Freon 113	6.5 U		57.3	70.6	123	69.1	125	2	70-130/30
591-78-6	2-Hexanone	6.5 U		57.3	56.8	99	46.4	84	20	70-130/30
98-82-8	Isopropylbenzene	6.5 U		57.3	60.7	106	45.5	82	29	70-130/30
79-20-9	Methyl Acetate	6.5 U		57.3	17.9	31	14.6	26* a	20	30-160/30
108-87-2	Methylcyclohexane	6.5 U		57.3	57.0	100	55.1	99	3	43-163/30
1634-04-4	Methyl Tert Butyl Ether	2.6 U		57.3	53.3	93	50.2	91	6	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	6.5 U		57.3	70.5	123	60.8	110	15	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC27002-25MS	M62178.D	1	12/14/13	KD	n/a	n/a	MSM2172
MC27002-25MSD	M62179.D	1	12/14/13	KD	n/a	n/a	MSM2172
MC27002-25	M62167.D	1	12/14/13	KD	n/a	n/a	MSM2172

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC26964-3, MC26964-9, MC26964-12

CAS No.	Compound	MC27002-25 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	2.6 U		57.3	52.7	92	49.2	89	7	70-130/30
100-42-5	Styrene	6.5 U		57.3	11.7	20* [a]	7.2	13* [a]	48* [b]	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	2.6 U		57.3	59.4	104	43.2	78	32* [b]	70-130/30
127-18-4	Tetrachloroethene	2.6 U		57.3	58.0	101	53.7	97	8	70-130/30
108-88-3	Toluene	6.5 U		57.3	56.2	98	51.1	92	10	70-130/30
120-82-1	1,2,4-Trichlorobenzene	6.5 U		57.3	26.7	47* [a]	22.6	41* [a]	17	70-130/30
71-55-6	1,1,1-Trichloroethane	2.6 U		57.3	64.8	113	60.9	110	6	70-130/30
79-00-5	1,1,2-Trichloroethane	2.6 U		57.3	58.4	102	46.1	83	24	70-130/30
79-01-6	Trichloroethene	2.6 U		57.3	53.5	93	51.7	93	3	70-130/30
75-69-4	Trichlorofluoromethane	2.6 U		57.3	47.2	82	48.0	87	2	70-130/30
75-01-4	Vinyl chloride	2.6 U		57.3	33.6	59* [a]	33.9	61* [a]	1	70-130/30
1330-20-7	Xylene (total)	2.6 U		172	174	101	143	86	20	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC27002-25	Limits
1868-53-7	Dibromofluoromethane	111%	110%	108%	70-130%
2037-26-5	Toluene-D8	97%	96%	97%	70-130%
460-00-4	4-Bromofluorobenzene	104%	103%	102%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.
(b) High RPD due to possible matrix interference and/or sample non-homogeneity.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSG5138-BFB
Lab File ID: G132607.D
Instrument ID: GCMSG
Injection Date: 10/25/13
Injection Time: 12:16

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	13680	23.4		Pass
75	30.0 - 60.0% of mass 95	27144	46.4		Pass
95	Base peak, 100% relative abundance	58445	100.0		Pass
96	5.0 - 9.0% of mass 95	3931	6.73		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	43645	74.7		Pass
175	5.0 - 9.0% of mass 174	3470	5.94	(7.95) [a]	Pass
176	95.0 - 101.0% of mass 174	43642	74.7	(100.0) [a]	Pass
177	5.0 - 9.0% of mass 176	2741	4.69	(6.28) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSG5138-IC5138	G132608.D	10/25/13	12:45	00:29	Initial cal 0.5
MSG5138-IC5138	G132609.D	10/25/13	13:13	00:57	Initial cal 2
MSG5138-IC5138	G132610.D	10/25/13	13:42	01:26	Initial cal 5
MSG5138-IC5138	G132611.D	10/25/13	14:10	01:54	Initial cal 10
MSG5138-IC5138	G132612.D	10/25/13	14:39	02:23	Initial cal 25
MSG5138-ICC5138	G132613.D	10/25/13	15:08	02:52	Initial cal 50
MSG5138-IC5138	G132614.D	10/25/13	15:37	03:21	Initial cal 100
MSG5138-IC5138	G132615.D	10/25/13	16:06	03:50	Initial cal 200
MSG5138-IC5138	G132616.D	10/25/13	16:34	04:18	Initial cal 400
MSG5138-ICV5138	G132619.D	10/25/13	18:01	05:45	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSG5173-BFB
Lab File ID: G134046.D
Instrument ID: GCMSG
Injection Date: 12/13/13
Injection Time: 08:52

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	8353	19.9		Pass
75	30.0 - 60.0% of mass 95	20104	48.0		Pass
95	Base peak, 100% relative abundance	41917	100.0		Pass
96	5.0 - 9.0% of mass 95	2910	6.94		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	32896	78.5		Pass
175	5.0 - 9.0% of mass 174	2457	5.86	(7.47) [a]	Pass
176	95.0 - 101.0% of mass 174	32400	77.3	(98.5) [a]	Pass
177	5.0 - 9.0% of mass 176	2688	6.41	(8.30) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSG5173-CC5138	G134046.D	12/13/13	08:52	00:00	Continuing cal 50
MSG5173-BS	G134047.D	12/13/13	09:20	00:28	Blank Spike
MSG5173-MB	G134049.D	12/13/13	10:18	01:26	Method Blank
ZZZZZZ	G134050.D	12/13/13	10:47	01:55	(unrelated sample)
ZZZZZZ	G134051.D	12/13/13	11:15	02:23	(unrelated sample)
ZZZZZZ	G134052.D	12/13/13	11:44	02:52	(unrelated sample)
ZZZZZZ	G134053.D	12/13/13	12:13	03:21	(unrelated sample)
ZZZZZZ	G134062.D	12/13/13	16:33	07:41	(unrelated sample)
ZZZZZZ	G134063.D	12/13/13	17:01	08:09	(unrelated sample)
ZZZZZZ	G134064.D	12/13/13	17:30	08:38	(unrelated sample)
MC26964-6	G134065.D	12/13/13	17:59	09:07	LBA-SB-517 (1-1.5)
MC26964-7	G134066.D	12/13/13	18:28	09:36	LBA-SB-518 (3-4)
MC26964-6MS	G134067.D	12/13/13	18:56	10:04	Matrix Spike
MC26964-6MSD	G134068.D	12/13/13	19:25	10:33	Matrix Spike Duplicate
ZZZZZZ	G134069.D	12/13/13	19:55	11:03	(unrelated sample)
ZZZZZZ	G134073.D	12/13/13	21:49	12:57	(unrelated sample)
ZZZZZZ	G134074.D	12/13/13	22:19	13:27	(unrelated sample)
ZZZZZZ	G134075.D	12/13/13	22:48	13:56	(unrelated sample)
ZZZZZZ	G134076.D	12/13/13	23:17	14:25	(unrelated sample)
ZZZZZZ	G134077.D	12/13/13	23:45	14:53	(unrelated sample)
ZZZZZZ	G134078.D	12/14/13	00:14	15:22	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSM2169-BFB
Lab File ID: M62063.D
Instrument ID: GCMSM
Injection Date: 12/11/13
Injection Time: 13:55

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	31083	18.4		Pass
75	30.0 - 60.0% of mass 95	69645	41.2		Pass
95	Base peak, 100% relative abundance	168896	100.0		Pass
96	5.0 - 9.0% of mass 95	11434	6.77		Pass
173	Less than 2.0% of mass 174	994	0.59	(0.67) [a]	Pass
174	50.0 - 150.0% of mass 95	147755	87.5		Pass
175	5.0 - 9.0% of mass 174	11287	6.68	(7.64) [a]	Pass
176	95.0 - 101.0% of mass 174	142477	84.4	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	9307	5.51	(6.53) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM2169-IC2169	M62065.D	12/11/13	14:53	00:58	Initial cal 0.5
ZZZZZZ	M62065A.D	12/11/13	14:53	00:58	(unrelated sample)
ZZZZZZ	M62066A.D	12/11/13	15:23	01:28	(unrelated sample)
MSM2169-IC2169	M62066.D	12/11/13	15:23	01:28	Initial cal 5
ZZZZZZ	M62067A.D	12/11/13	15:52	01:57	(unrelated sample)
MSM2169-IC2169	M62067.D	12/11/13	15:52	01:57	Initial cal 10
MSM2169-IC2169	M62068.D	12/11/13	16:22	02:27	Initial cal 20
MSM2169-IC2169	M62070.D	12/11/13	17:21	03:26	Initial cal 100
MSM2169-IC2169	M62071.D	12/11/13	17:50	03:55	Initial cal 200
MSM2169-IC2169	M62072.D	12/11/13	18:20	04:25	Initial cal 400
MSM2169-ICC2169	M62074.D	12/11/13	19:18	05:23	Initial cal 50
MSM2169-IC2169	M62076.D	12/11/13	20:17	06:22	Initial cal 2
ZZZZZZ	M62076A.D	12/11/13	20:17	06:22	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSM2172-BFB
Lab File ID: M62162.D
Instrument ID: GCMSM
Injection Date: 12/14/13
Injection Time: 00:41

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	22002	17.9		Pass
75	30.0 - 60.0% of mass 95	51817	42.1		Pass
95	Base peak, 100% relative abundance	123061	100.0		Pass
96	5.0 - 9.0% of mass 95	7131	5.79		Pass
173	Less than 2.0% of mass 174	1274	1.04	(1.18) [a]	Pass
174	50.0 - 150.0% of mass 95	108345	88.0		Pass
175	5.0 - 9.0% of mass 174	8105	6.59	(7.48) [a]	Pass
176	95.0 - 101.0% of mass 174	107895	87.7	(99.6) [a]	Pass
177	5.0 - 9.0% of mass 176	7201	5.85	(6.67) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM2172-CC2169	M62162.D	12/14/13	00:41	00:00	Continuing cal 50
MSM2172-BS	M62164.D	12/14/13	01:40	00:59	Blank Spike
MSM2172-MB	M62166.D	12/14/13	02:40	01:59	Method Blank
MC27002-25	M62167.D	12/14/13	03:09	02:28	(used for QC only; not part of job MC26964)
ZZZZZZ	M62168.D	12/14/13	03:38	02:57	(unrelated sample)
ZZZZZZ	M62169.D	12/14/13	04:08	03:27	(unrelated sample)
ZZZZZZ	M62170.D	12/14/13	04:37	03:56	(unrelated sample)
ZZZZZZ	M62171.D	12/14/13	05:07	04:26	(unrelated sample)
ZZZZZZ	M62172.D	12/14/13	05:36	04:55	(unrelated sample)
ZZZZZZ	M62173.D	12/14/13	06:06	05:25	(unrelated sample)
ZZZZZZ	M62174.D	12/14/13	06:36	05:55	(unrelated sample)
MC26964-3	M62175.D	12/14/13	07:05	06:24	LBA-SB-514 (1)
MC26964-9	M62176.D	12/14/13	07:34	06:53	LBA-SB-518 (8)
MC26964-12	M62177.D	12/14/13	08:03	07:22	LBA-SB-519 (8)
MC27002-25MS	M62178.D	12/14/13	08:32	07:51	Matrix Spike
MC27002-25MSD	M62179.D	12/14/13	09:02	08:21	Matrix Spike Duplicate
ZZZZZZ	M62180.D	12/14/13	09:32	08:51	(unrelated sample)
ZZZZZZ	M62181.D	12/14/13	10:01	09:20	(unrelated sample)
ZZZZZZ	M62182.D	12/14/13	10:31	09:50	(unrelated sample)
ZZZZZZ	M62183.D	12/14/13	11:01	10:20	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	MSG5173-CC5138	**Injection Date:**	12/13/13
Lab File ID:	G134046.D	**Injection Time:**	08:52
Instrument ID:	GCMSG	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	127492	5.07	197336	6.19	109805	9.54	107574	12.16	58508	3.09
Upper Limit [a]	254984	5.57	394672	6.69	219610	10.04	215148	12.66	117016	3.59
Lower Limit [b]	63746	4.57	98668	5.69	54903	9.04	53787	11.66	29254	2.59

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSG5173-BS	123300	5.07	191092	6.19	108691	9.54	110181	12.16	63778	3.09
MSG5173-MB	125897	5.07	198623	6.19	108468	9.54	106256	12.16	73763	3.09
ZZZZZZ	124094	5.06	192665	6.19	105260	9.54	104083	12.16	66153	3.13
ZZZZZZ	122811	5.06	192791	6.19	107262	9.54	106136	12.16	70808	3.13
ZZZZZZ	125699	5.06	197943	6.19	110991	9.54	110138	12.16	71246	3.13
ZZZZZZ	118918	5.06	189925	6.19	104872	9.54	105439	12.16	69778	3.13
ZZZZZZ	119155	5.06	190067	6.19	104998	9.54	107412	12.16	69661	3.13
ZZZZZZ	120766	5.06	186960	6.19	104028	9.54	105498	12.16	70093	3.13
ZZZZZZ	118242	5.06	184636	6.19	103819	9.54	105598	12.16	70821	3.13
MC26964-6	119752	5.07	185524	6.19	102856	9.54	101491	12.16	69954	3.10
MC26964-7	115151	5.07	181436	6.19	103044	9.54	104938	12.16	67337	3.09
MC26964-6MS	116000	5.07	180904	6.19	103401	9.54	101625	12.16	67704	3.09
MC26964-6MSD	116077	5.07	185260	6.19	104928	9.54	105486	12.16	67187	3.09
ZZZZZZ	120442	5.07	187619	6.19	110815	9.54	110772	12.16	64112	3.07
ZZZZZZ	120686	5.07	185859	6.20	105550	9.54	101922	12.16	65263	3.07
ZZZZZZ	121146	5.07	186445	6.20	105507	9.54	99073	12.16	63207	3.07
ZZZZZZ	122919	5.07	193021	6.19	107135	9.54	106990	12.16	72547	3.09
ZZZZZZ	116766	5.07	181484	6.19	102985	9.54	101453	12.16	65324	3.09
ZZZZZZ	113814	5.07	180420	6.19	103114	9.54	104855	12.16	69341	3.09
ZZZZZZ	115550	5.07	177776	6.19	103526	9.54	102482	12.16	66844	3.09

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	MSM2172-CC2169	**Injection Date:**	12/14/13
Lab File ID:	M62162.D	**Injection Time:**	00:41
Instrument ID:	GCMSM	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	325567	9.35	509875	10.23	226042	13.51	277065	16.06	112454	6.85
Upper Limit [a]	651134	9.85	1019750	10.73	452084	14.01	554130	16.56	224908	7.35
Lower Limit [b]	162784	8.85	254938	9.73	113021	13.01	138533	15.56	56227	6.35

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSM2172-BS	322986	9.35	517449	10.23	223762	13.51	278074	16.06	118323	6.84
MSM2172-MB	306885	9.35	485056	10.23	203272	13.51	253537	16.06	111612	6.84
MC27002-25	301524	9.35	475542	10.23	198032	13.51	249419	16.06	185512	6.84
ZZZZZZ	288822	9.35	463367	10.23	202159	13.51	258735	16.06	165827	6.84
ZZZZZZ	313903	9.35	496772	10.23	212143	13.51	264662	16.06	187413	6.84
ZZZZZZ	304521	9.35	485230	10.23	202741	13.50	261138	16.06	177987	6.84
ZZZZZZ	306014	9.35	483288	10.22	202949	13.50	255576	16.06	192517	6.84
ZZZZZZ	298875	9.35	474559	10.23	199446	13.51	252740	16.06	185837	6.84
ZZZZZZ	300945	9.35	468285	10.23	199965	13.51	246786	16.06	174381	6.85
ZZZZZZ	296576	9.35	465308	10.23	197526	13.50	255295	16.06	179267	6.84
MC26964-3	260503	9.34	410494	10.23	172753	13.51	206413	16.06	182825	6.84
MC26964-9	271660	9.35	430552	10.23	183593	13.51	225263	16.06	174531	6.84
MC26964-12	292281	9.35	462028	10.23	194995	13.50	244772	16.06	178654	6.84
MC27002-25MS	283728	9.35	456932	10.23	204371	13.51	245153	16.06	187122	6.84
MC27002-25MSD	297869	9.35	470978	10.23	208933	13.50	253002	16.06	191753	6.84
ZZZZZZ	300043	9.35	469969	10.23	196635	13.51	244122	16.06	108011	6.84
ZZZZZZ	55091[c]	9.35	82638[c]	10.23	35422[c]	13.51	45412[c]	16.07	36196[c]	6.84
ZZZZZZ	281267	9.34	447831	10.22	185623	13.51	237619	16.06	102888	6.84
ZZZZZZ	281673	9.35	444389	10.23	188864	13.50	237080	16.06	102695	6.84

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

Volatile Surrogate Recovery Summary

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8260C **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC26964-3	M62175.D	112.0	97.0	106.0
MC26964-6	G134065.D	112.0	106.0	95.0
MC26964-7	G134066.D	104.0	105.0	89.0
MC26964-9	M62176.D	110.0	98.0	102.0
MC26964-12	M62177.D	109.0	97.0	102.0
MC26964-6MS	G134067.D	114.0	107.0	93.0
MC26964-6MSD	G134068.D	111.0	103.0	88.0
MC27002-25MS	M62178.D	111.0	97.0	104.0
MC27002-25MSD	M62179.D	110.0	96.0	103.0
MSG5173-BS	G134047.D	110.0	105.0	91.0
MSG5173-MB	G134049.D	110.0	105.0	95.0
MSM2172-BS	M62164.D	103.0	96.0	99.0
MSM2172-MB	M62166.D	108.0	97.0	101.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC26964 **Sample:** MSG5138-ICC5138
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G132613.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report MSG

Method : C:\msdchem\1\METHODS\g131025s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

Calibration Files
10 =G132611.D 2 =G132609.D 5 =G132610.D 50 =G132613.D
100 =G132614.D 200 =G132615.D 400 =G132616.D 0.5 =G132608.D
25 =G132612.D =

Compound	10	2	5	50	100	200	400	0.5	25	Avg	%RSD
1) I tert butyl alcohol-d9	----------ISTD----------										
2) tertiary butyl alcohol	1.090		1.026	0.899	0.863	0.872	0.873		0.890	0.930	9.66
3) Ethanol	0.149	0.175	0.151	0.125	0.120	0.116	0.117		0.119	0.134	16.09
4) I pentafluorobenzene	----------ISTD----------										
5) dichlorodifluoromethane	0.377	0.516	0.311	0.384	0.373	0.347	0.368		0.359	0.379	15.74
6) chloromethane	0.550		0.468	0.571	0.541	0.557	0.563		0.534	0.541	6.39
7) vinyl chloride	0.229	0.288	0.199	0.236	0.201	0.201	0.193		0.208	0.219	14.40
8) bromomethane	0.178	0.227	0.145	0.176	0.168	0.163	0.161		0.162	0.173	14.08
9) chloroethane	0.195		0.161	0.198	0.186	0.186	0.180		0.181	0.184	6.51
10) ethyl ether	0.360		0.380	0.374	0.360	0.354	0.373		0.335	0.362	4.16
11) acetonitrile	0.710		0.765	0.785	0.694	0.691	0.706		0.658	0.715	6.18
12) trichlorofluoromethane	0.578	0.651	0.469	0.606	0.553	0.545	0.560		0.562	0.565	9.21
13) freon-113	0.422		0.410	0.469	0.410	0.449	0.436		0.394	0.427	6.10
14) acrolein	0.056		0.049	0.059	0.054	0.053	0.058		0.056	0.055	6.34
15) 1,1-dichloroethene	0.398	0.456	0.416	0.413	0.389	0.398	0.389		0.356	0.402	7.08
16) acetone	0.081			0.069	0.071	0.068	0.064		0.071	0.071#	7.81
17) Methyl Acetate	0.589		0.619	0.549	0.530	0.538	0.538		0.510	0.553	6.82
18) methylene chloride	0.423	0.468	0.419	0.413	0.384	0.390	0.385		0.362	0.405	8.09
19) methyl tert butyl ether	1.096	1.183	1.080	1.083	1.045	1.044	1.092		0.981	1.076	5.35
20) acrylonitrile	0.222		0.217	0.219	0.209	0.206	0.211		0.197	0.212	4.02
21) allyl chloride	0.710		0.765	0.792	0.761	0.726	0.755		0.658	0.738	6.01
22) trans-1,2-dichloroethene	0.399	0.429	0.393	0.404	0.374	0.366	0.371		0.347	0.385	6.66
23) iodomethane											

Initial Calibration Summary

Job Number: MC26964 **Sample:** MSG5138-ICC5138
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G132613.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

	0.687	0.669	0.685	0.648	0.647	0.637	0.593	0.653	5.00
24)	carbon disulfide									
	1.238	1.200	1.300	1.194	1.222	1.219	1.104	1.211	4.86
25)	propionitrile									
	0.086	0.088	0.077	0.076	0.075	0.077	0.073	0.079	7.15
26)	vinyl acetate									
	1.102	1.155	1.116	1.088	1.085	1.120	1.017	1.098	3.90
27)	chloroprene									
	0.716	0.731	0.765	0.726	0.699	0.724	0.679	0.720	3.76
28)	di-isopropyl ether									
	1.753	1.902	1.746	1.734	1.662	1.642	1.726	1.549	1.714	5.98
29)	methacrylonitrile									
	0.424	0.438	0.427	0.397	0.393	0.410	0.389	0.411	4.58
30)	2-butanone									
	0.062	0.065	0.058	0.052	0.050	0.052	0.048	0.055#	11.34
31)	Ethyl Acetate									
	0.305	0.293	0.276	0.266	0.260	0.269	0.262	0.276	6.20
32)	Hexane									
	0.517	0.540	0.540	0.479	0.475	0.483	0.475	0.501	5.99
33)	1,1-dichloroethane									
	0.845	0.933	0.820	0.830	0.778	0.762	0.781	0.739	0.811	7.53
34)	tert-butyl ethyl ether									
	1.394	1.509	1.382	1.365	1.326	1.338	1.386	1.231	1.366	5.69
35)	isobutyl alcohol									
	0.030	0.033	0.025	0.023	0.025	0.026	0.024	0.027#	14.14
36)	2,2-dichloropropane									
	0.241	0.258	0.241	0.224	0.204	0.192	0.216	0.225	10.31
37)	cis-1,2-dichloroethene									
	0.411	0.481	0.419	0.412	0.394	0.384	0.395	0.369	0.408	8.26
38)	bromochloromethane									
	0.196	0.195	0.193	0.185	0.184	0.193	0.173	0.188	4.38
39)	chloroform									
	0.694	0.767	0.697	0.703	0.652	0.643	0.666	0.624	0.681	6.59
40)	dibromofluoromethane (s)									
	0.334	0.346	0.345	0.344	0.363	0.370	0.339	0.349	3.75
41)	Tetrahydrofuran									
	0.170	0.175	0.163	0.147	0.153	0.159	0.143	0.159	7.39
42)	1,1,1-trichloroethane									
	0.532	0.562	0.515	0.559	0.535	0.502	0.540	0.491	0.529	4.81
43)	I 1,4-difluorobenzene	----------ISTD----------								
44)	Cyclohexane									
	0.542	0.566	0.575	0.531	0.524	0.529	0.507	0.539	4.42
45)	carbon tetrachloride									
	0.347	0.348	0.336	0.356	0.343	0.339	0.345	0.322	0.342	3.01
46)	1,1-dichloropropene									
	0.347	0.345	0.356	0.330	0.323	0.331	0.324	0.336	3.77
47)	benzene									
	1.020	1.153	1.018	0.978	0.923	0.887	0.899	1.125	0.905	0.990	9.92
48)	1,2-dichloroethane									
	0.393	0.428	0.384	0.367	0.357	0.351	0.360	0.339	0.372	7.58
49)	tert-amyl methyl ether									
	0.699	0.663	0.680	0.658	0.653	0.685	0.624	0.666	3.71
50)	heptane									
	0.736	0.713	0.801	0.747	0.722	0.746	0.723	0.741	3.95
51)	trichloroethene									
	0.273	0.301	0.274	0.269	0.255	0.251	0.256	0.265	0.247	0.266	6.14
52)	1,2-dichloropropane									
	0.309	0.353	0.301	0.292	0.282	0.278	0.286	0.267	0.296	8.93
53)	dibromomethane									

Initial Calibration Summary

Job Number: MC26964 **Sample:** MSG5138-ICC5138
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G132613.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

		0.170	0.166	0.157	0.151	0.151	0.157	0.143	0.156	5.97
54)	bromodichloromethane									
		0.339	0.388	0.316	0.321	0.314	0.316	0.331	0.294	0.328	8.48
55)	Methylcyclohexane									
		0.404	0.400	0.421	0.390	0.391	0.404	0.361	0.396	4.70
56)	2-chloroethyl vinyl ether									
		0.074	0.078	0.071	0.071	0.073	0.077	0.068	0.073	5.01
57)	methyl methacrylate									
		0.187	0.175	0.174	0.167	0.166	0.173	0.159	0.172	5.12
58)	1,4-dioxane									
		0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003#	3.92
59)	cis-1,3-dichloropropene									
		0.444	0.459	0.421	0.425	0.412	0.417	0.435	0.389	0.425	5.00
60)	toluene-d8 (s)									
		0.875	0.891	0.875	0.850	0.892	0.889	0.893	0.881	1.75
61)	4-methyl-2-pentanone									
		0.436	0.393	0.390	0.378	0.377	0.388	0.357	0.388	6.24
62)	toluene									
		0.669	0.611	0.635	0.595	0.578	0.587	0.577	0.608	5.57
63)	trans-1,3-dichloropropene									
		0.387	0.377	0.367	0.370	0.361	0.357	0.367	0.332	0.365	4.42
64)	1,1,2-trichloroethane									
		0.211	0.229	0.204	0.187	0.177	0.177	0.182	0.173	0.192	10.46
65)	ethyl methacrylate									
		0.353	0.337	0.323	0.309	0.312	0.318	0.293	0.321	6.10
66)	I chlorobenzene-d5	----------ISTD----------								
67)	tetrachloroethene									
		0.536	0.550	0.544	0.514	0.485	0.471	0.475	0.605	0.472	0.517	8.87
68)	1,3-dichloropropane									
		0.793	0.768	0.729	0.694	0.693	0.710	0.690	0.725	5.61
69)	dibromochloromethane									
		0.531	0.533	0.492	0.492	0.480	0.495	0.516	0.436	0.497	6.33
70)	1,2-dibromoethane									
		0.512	0.546	0.451	0.460	0.446	0.447	0.461	0.429	0.469	8.45
71)	2-hexanone									
		0.727	0.683	0.596	0.586	0.545	0.514	0.573	0.603	12.54
72)	chlorobenzene									
		1.569	1.625	1.509	1.425	1.356	1.330	1.345	1.332	1.436	8.14
73)	1,1,1,2-tetrachloroethane									
		0.538	0.497	0.485	0.469	0.465	0.464	0.460	0.483	5.79
74)	ethylbenzene									
		2.569	2.784	2.459	2.399	2.271	2.216	2.230	2.237	2.396	8.42
75)	m,p-xylene									
		0.986	1.045	0.956	0.918	0.880	0.856	0.851	0.869	0.920	7.63
76)	o-xylene									
		0.991	1.043	0.965	0.918	0.878	0.862	0.864	0.857	0.922	7.61
77)	styrene									
		1.634	1.547	1.501	1.435	1.420	1.418	1.407	1.480	5.74
78)	bromoform									
		0.341	0.331	0.318	0.321	0.319	0.332	0.338	0.301	0.325	4.01
79)	trans-1,4-dichloro-2-butene									
		0.278	0.261	0.252	0.245	0.253	0.258	0.240	0.255	4.87
80)	I 1,4-dichlorobenzene-d	----------ISTD----------								
81)	isopropylbenzene									
		2.634	2.663	2.597	2.446	2.305	2.336	2.391	2.482	5.96
82)	bromofluorobenzene (s)									
		0.739	0.728	0.727	0.725	0.739	0.741	0.757	0.737	1.49
83)	bromobenzene									

Initial Calibration Summary

Job Number: MC26964 **Sample:** MSG5138-ICC5138
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G132613.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

		0.668	0.641	0.612	0.588	0.563	0.573	0.575	0.603	6.54
84)	1,1,2,2-tetrachloroethane									
		0.700	0.694	0.706	0.603	0.579	0.574	0.592	0.565	0.627	9.89
85)	1,2,3-trichloropropane									
		0.565	0.527	0.491	0.470	0.461	0.479	0.448	0.491	8.33
86)	n-propylbenzene									
		3.093	3.105	3.035	2.909	2.783	2.809	2.817	2.936	4.76
87)	2-chlorotoluene									
		2.238	2.234	2.079	2.018	1.919	1.924	1.952	2.052	6.71
88)	4-chlorotoluene									
		1.969	2.023	1.865	1.749	1.678	1.739	1.708	1.819	7.42
89)	1,3,5-trimethylbenzene									
		2.188	2.183	2.128	2.039	1.956	1.974	1.947	2.059	5.16
90)	tert-butylbenzene									
		1.510	1.489	1.469	1.388	1.334	1.357	1.330	1.411	5.43
91)	1,2,4-trimethylbenzene									
		2.201	2.153	2.121	2.022	1.941	1.972	1.935	2.049	5.29
92)	sec-butylbenzene									
		2.679	2.687	2.647	2.503	2.391	2.419	2.413	2.534	5.26
93)	1,3-dichlorobenzene									
		1.301	1.329	1.305	1.217	1.149	1.110	1.132	1.111	1.207	7.74
94)	p-isopropyltoluene									
		2.166	2.182	2.145	2.026	1.953	1.986	1.941	2.057	5.08
95)	1,4-dichlorobenzene									
		1.311	1.378	1.252	1.179	1.121	1.093	1.117	1.088	1.192	9.19
96)	1,2-dichlorobenzene									
		1.263	1.264	1.190	1.145	1.095	1.075	1.101	1.043	1.147	7.35
97)	n-butylbenzene									
		2.021	1.993	1.990	1.901	1.825	1.852	1.800	1.912	4.70
98)	1,2-dibromo-3-chloropropane									
		0.122	0.108	0.105	0.105	0.109	0.117	0.094	0.109	8.17
99)	1,3,5-trichlorobenzene									
		0.818	0.796	0.733	0.714	0.708	0.731	0.663	0.737	7.21
100)	1,2,4-trichlorobenzene									
		0.690	0.660	0.625	0.599	0.606	0.634	0.573	0.627	6.28
101)	hexachlorobutadiene									
		0.353	0.339	0.318	0.309	0.299	0.309	0.296	0.318	6.60
102)	naphthalene									
		1.611	1.537	1.469	1.386	1.381	1.508	1.359	1.464	6.42
103)	2-Methylnaphthalene									
		0.383	0.353	0.389	0.356	0.335	0.334	0.344	0.356	6.13
104)	1-Methylnaphthalene									
		0.317	0.309	0.297	0.258	0.241	0.227	0.268	0.274	12.67
105)	1,2,3-trichlorobenzene									
		0.561	0.515	0.490	0.455	0.443	0.473	0.453	0.484	8.67

(#) = Out of Range ### Number of calibration levels exceeded format ###

g131025s.m Mon Oct 28 08:21:04 2013

Initial Calibration Verification

Job Number: MC26964 **Sample:** MSG5138-ICV5138
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G132619.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\Data Backup\G131025\G132619.D Vial: 21
Acq On : 25 Oct 2013 6:01 pm Operator: jaimem
Sample : icv5138-50 Inst : MSG
Misc : MS30306,MSG5138,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g131025s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Oct 28 08:12:17 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	107	0.00	3.09
2	p	tertiary butyl alcohol	0.930	0.866	6.9	103	0.00	3.16
3	p	Ethanol	0.134	0.106	20.9#	91	0.00	2.47
4	I	pentafluorobenzene	1.000	1.000	0.0	105	0.00	5.07
5	p	dichlorodifluoromethane	0.379	0.408	-7.7	111	0.00	1.65
6	p	chloromethane	0.541	0.634	-17.2	116	0.00	1.82
7	p	vinyl chloride	0.219	0.182	16.9	81	0.00	1.92
8	p	bromomethane	0.173	0.192	-11.0	114	0.00	2.26
9	p	chloroethane	0.184	0.216	-17.4	115	0.00	2.33
10	p	ethyl ether	0.362	0.337	6.9	95	0.00	2.78
11	p	acetonitrile	0.715	0.657	8.1	88	0.00	3.44
12	p	trichlorofluoromethane	0.565	0.561	0.7	97	0.00	2.62
13	p	freon-113	0.427	0.380	11.0	85	0.00	2.92
14	p	acrolein	0.055	0.080	-45.5#	145	0.00	2.91
15	p	1,1-dichloroethene	0.402	0.365	9.2	93	0.00	3.09
16	p	acetone	0.071	0.062#	12.7	94	0.00	2.96
17	p	Methyl Acetate	0.553	0.394	28.8#	75	0.00	3.37
18	p	methylene chloride	0.405	0.378	6.7	96	0.00	3.54
19	p	methyl tert butyl ether	1.076	0.962	10.6	93	0.00	3.66
20	p	acrylonitrile	0.212	0.193	9.0	93	0.00	3.63
21	p	allyl chloride	0.738	0.661	10.4	88	0.00	3.44
22	p	trans-1,2-dichloroethene	0.385	0.359	6.8	93	0.00	3.81
23	p	iodomethane	0.653	0.596	8.7	91	0.00	3.38
24	p	carbon disulfide	1.211	1.106	8.7	89	0.00	3.62
25	p	propionitrile	0.079	0.067	15.2	92	0.00	4.72
26	p	vinyl acetate	1.098	0.980	10.7	92	0.00	4.20
27	p	chloroprene	0.720	0.694	3.6	95	0.00	4.31
28	p	di-isopropyl ether	1.714	1.490	13.1	90	0.00	4.09
29	p	methacrylonitrile	0.411	0.378	8.0	93	0.00	4.93
30	p	2-butanone	0.055	0.045#	18.2	82	0.00	4.64
31	p	Ethyl Acetate	0.276	0.362	-31.2#	138	0.00	4.80
32	p	Hexane	0.501	0.434	13.4	84	0.00	3.84
33	p	1,1-dichloroethane	0.811	0.734	9.5	93	0.00	4.22
34	p	tert-butyl ethyl ether	1.366	1.255	8.1	97	0.00	4.50
35	p	isobutyl alcohol	0.027	0.025#	7.4	103	0.00	4.95
36	p	2,2-dichloropropane	0.225	0.213	5.3	93	0.00	4.78
37	p	cis-1,2-dichloroethene	0.408	0.363	11.0	92	0.00	4.83
38	p	bromochloromethane	0.188	0.177	5.9	96	0.00	5.17
39	p	chloroform	0.681	0.597	12.3	89	0.00	5.00
40	S	dibromofluoromethane (s)	0.349	0.369	-5.7	112	0.00	5.23
41	p	Tetrahydrofuran	0.159	0.131	17.6	84	0.00	5.21

Initial Calibration Verification

Job Number: MC26964 **Sample:** MSG5138-ICV5138
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G132619.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42	p	1,1,1-trichloroethane	0.529	0.481	9.1	90	0.00	5.44
43	I	1,4-difluorobenzene	1.000	1.000	0.0	104	0.00	6.19
44	p	Cyclohexane	0.539	0.466	13.5	84	0.00	5.45
45	p	carbon tetrachloride	0.342	0.310	9.4	91	0.00	5.71
46	p	1,1-dichloropropene	0.336	0.308	8.3	90	0.00	5.59
47	p	benzene	0.990	0.866	12.5	92	0.00	5.89
48	p	1,2-dichloroethane	0.372	0.334	10.2	95	0.00	5.87
49	p	tert-amyl methyl ether	0.666	0.596	10.5	91	0.00	5.72
50	p	heptane	0.741	0.625	15.7	81	0.00	5.74
51	p	trichloroethene	0.266	0.237	10.9	92	0.00	6.56
52	p	1,2-dichloropropane	0.296	0.258	12.8	92	0.00	6.76
53	p	dibromomethane	0.156	0.141	9.6	94	0.00	7.07
54	p	bromodichloromethane	0.328	0.296	9.8	96	0.00	7.02
55	p	Methylcyclohexane	0.396	0.356	10.1	88	0.00	6.63
56	p	2-chloroethyl vinyl ether	0.073	0.150	-105.5#	220#	0.00	7.35
57	p	methyl methacrylate	0.172	0.157	8.7	94	0.00	6.82
58	p	1,4-dioxane	0.003	0.003#	0.0	97	0.00	7.06
59	p	cis-1,3-dichloropropene	0.425	0.370	12.9	91	0.00	7.61
60	S	toluene-d8 (s)	0.881	0.919	-4.3	110	0.00	7.88
61	p	4-methyl-2-pentanone	0.388	0.422	-8.8	113	0.00	7.37
62	p	toluene	0.608	0.558	8.2	92	0.00	7.96
63	p	trans-1,3-dichloropropene	0.365	0.347	4.9	98	0.00	8.16
64	p	1,1,2-trichloroethane	0.192	0.170	11.5	95	0.00	8.33
65	p	ethyl methacrylate	0.321	0.292	9.0	94	0.00	8.15
66	I	chlorobenzene-d5	1.000	1.000	0.0	107	0.00	9.54
67	p	tetrachloroethene	0.517	0.433	16.2	90	0.00	8.68
68	p	1,3-dichloropropane	0.725	0.639	11.9	94	0.00	8.61
69	p	dibromochloromethane	0.497	0.443	10.9	96	0.00	8.90
70	p	1,2-dibromoethane	0.469	0.407	13.2	95	0.00	9.12
71	p	2-hexanone	0.603	0.482	20.1#	87	0.00	8.34
72	p	chlorobenzene	1.436	1.169	18.6	88	0.00	9.58
73	p	1,1,1,2-tetrachloroethane	0.483	0.434	10.1	96	0.00	9.63
74	p	ethylbenzene	2.396	2.067	13.7	92	0.00	9.63
75	p	m,p-xylene	0.920	0.782	15.0	91	0.00	9.72
76	p	o-xylene	0.922	0.770	16.5	90	0.00	10.20
77	p	styrene	1.480	1.312	11.4	94	0.00	10.24
78	p	bromoform	0.325	0.290	10.8	97	0.00	10.61
79	p	trans-1,4-dichloro-2-bute	0.255	0.212	16.9	90	0.00	10.64
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	12.16
81	p	isopropylbenzene	2.482	2.187	11.9	88	0.00	10.59
82	S	bromofluorobenzene (s)	0.737	0.769	-4.3	110	0.00	10.87
83	p	bromobenzene	0.603	0.550	8.8	94	0.00	11.08
84	p	1,1,2,2-tetrachloroethane	0.627	0.571	8.9	99	0.00	10.78
85	p	1,2,3-trichloropropane	0.491	0.462	5.9	98	0.00	10.94
86	p	n-propylbenzene	2.936	2.495	15.0	86	0.00	11.03
87	p	2-chlorotoluene	2.052	1.763	14.1	88	0.00	11.22
88	p	4-chlorotoluene	1.819	1.606	11.7	90	0.00	11.28
89	p	1,3,5-trimethylbenzene	2.059	1.835	10.9	90	0.00	11.20
90	p	tert-butylbenzene	1.411	1.228	13.0	87	0.00	11.60
91	p	1,2,4-trimethylbenzene	2.049	1.827	10.8	90	0.00	11.63
92	p	sec-butylbenzene	2.534	2.239	11.6	88	0.00	11.83
93	p	1,3-dichlorobenzene	1.207	1.062	12.0	91	0.00	12.08
94	p	p-isopropyltoluene	2.057	1.858	9.7	90	0.00	11.97
95	p	1,4-dichlorobenzene	1.192	1.074	9.9	95	0.00	12.20
96	p	1,2-dichlorobenzene	1.147	1.012	11.8	92	0.00	12.60
97	p	n-butylbenzene	1.912	1.727	9.7	91	0.00	12.42
98	p	1,2-dibromo-3-chloropropa	0.109	0.099	9.2	98	0.00	13.46

Initial Calibration Verification

Job Number: MC26964 **Sample:** MSG5138-ICV5138
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G132619.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

99	p	1,3,5-trichlorobenzene	0.737	0.636	13.7	91	0.00	13.72
100	p	1,2,4-trichlorobenzene	0.627	0.558	11.0	93	0.00	14.42
101	p	hexachlorobutadiene	0.318	0.290	8.8	95	0.00	14.57
102	p	naphthalene	1.464	1.352	7.7	96	0.00	14.71
103	p	2-Methylnaphthalene	0.356	0.319	10.4	85	0.00	15.89
104	p	1-Methylnaphthalene	0.274	0.253	7.7	89	0.00	16.16
105	p	1,2,3-trichlorobenzene	0.484	0.450	7.0	96	0.00	14.98

(#) = Out of Range SPCC's out = 5 CCC's out = 0
G132613.D g131025s.m Fri Jan 10 11:57:54 2014

Continuing Calibration Summary

Job Number: MC26964 **Sample:** MSG5173-CC5138
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G134046.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\G131213\G134046.D Vial: 3
Acq On : 13 Dec 2013 8:52 am Operator: jaimem
Sample : cc5138-50 Inst : MSG
Misc : MS30754,MSG5173,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g131025s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Oct 28 08:12:17 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	62	0.00	3.09
2	p	tertiary butyl alcohol	0.930	0.914	1.7	63	0.00	3.16
3	p	Ethanol	0.134	0.092	31.3#	46#	0.00	2.47
4	I	pentafluorobenzene	1.000	1.000	0.0	65	0.00	5.07
5	p	dichlorodifluoromethane	0.379	0.438	-15.6	74	0.00	1.65
6	p	chloromethane	0.541	0.501	7.4	57	0.00	1.82
7	p	vinyl chloride	0.219	0.275	-25.6#	76	0.00	1.91
8	p	bromomethane	0.173	0.249	-43.9#	91	0.01	2.27
9	p	chloroethane	0.184	0.218	-18.5	71	0.02	2.35
10	p	ethyl ether	0.362	0.306	15.5	53	0.00	2.78
11	p	acetonitrile	0.715	0.610	14.7	50	0.00	3.44
12	p	trichlorofluoromethane	0.565	0.717	-26.9#	77	0.00	2.62
13	p	freon-113	0.427	0.509	-19.2	70	0.08	3.00
14	p	acrolein	0.055	0.060	-9.1	90	-0.01	2.90
15	p	1,1-dichloroethene	0.402	0.437	-8.7	69	0.05	3.14
16	p	acetone	0.071	0.058#	18.3	54	0.00	2.97
17	p	Methyl Acetate	0.553	0.394	28.8#	46#	0.00	3.37
18	p	methylene chloride	0.405	0.407	-0.5	64	0.01	3.55
19	p	methyl tert butyl ether	1.076	1.116	-3.7	67	0.00	3.66
20	p	acrylonitrile	0.212	0.164	22.6#	48#	0.00	3.63
21	p	allyl chloride	0.738	0.610	17.3	50#	0.00	3.44
22	p	trans-1,2-dichloroethene	0.385	0.427	-10.9	69	0.02	3.82
23	p	iodomethane	0.653	0.723	-10.7	68	0.02	3.41
24	p	carbon disulfide	1.211	1.261	-4.1	63	0.00	3.61
25	p	propionitrile	0.079	0.063	20.3#	53	0.00	4.72
26	p	vinyl acetate	1.098	0.900	18.0	52	0.00	4.20
27	p	chloroprene	0.720	0.799	-11.0	68	0.00	4.31
28	p	di-isopropyl ether	1.714	1.399	18.4	52	0.00	4.09
29	p	methacrylonitrile	0.411	0.328	20.2#	50#	0.00	4.93
30	p	2-butanone	0.055	0.049#	10.9	55	0.00	4.63
31	p	Ethyl Acetate	0.276	0.317	-14.9	75	0.00	4.80
32	p	Hexane	0.501	0.479	4.4	57	0.00	3.85
33	p	1,1-dichloroethane	0.811	0.787	3.0	61	0.00	4.23
34	p	tert-butyl ethyl ether	1.366	1.340	1.9	64	0.00	4.50
35	p	isobutyl alcohol	0.027	0.020#	25.9#	52	0.00	4.96
36	p	2,2-dichloropropane	0.225	0.304	-35.1#	82	0.00	4.78
37	p	cis-1,2-dichloroethene	0.408	0.421	-3.2	66	0.00	4.83
38	p	bromochloromethane	0.188	0.214	-13.8	72	0.00	5.17
39	p	chloroform	0.681	0.760	-11.6	70	0.00	5.00
40	S	dibromofluoromethane (s)	0.349	0.401	-14.9	75	0.00	5.23
41	p	Tetrahydrofuran	0.159	0.115	27.7#	45#	0.00	5.21

Continuing Calibration Summary

Job Number: MC26964 **Sample:** MSG5173-CC5138
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G134046.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42	p	1,1,1-trichloroethane	0.529	0.659	-24.6#	76	0.00	5.43
43	I	1,4-difluorobenzene	1.000	1.000	0.0	63	0.00	6.19
44	p	Cyclohexane	0.539	0.433	19.7	47#	0.02	5.47
45	p	carbon tetrachloride	0.342	0.461	-34.8#	81	0.00	5.72
46	p	1,1-dichloropropene	0.336	0.377	-12.2	67	0.00	5.59
47	p	benzene	0.990	0.998	-0.8	64	0.00	5.89
48	p	1,2-dichloroethane	0.372	0.429	-15.3	74	0.00	5.87
49	p	tert-amyl methyl ether	0.666	0.698	-4.8	65	0.00	5.71
50	p	heptane	0.741	0.658	11.2	52	0.00	5.74
51	p	trichloroethene	0.266	0.297	-11.7	69	0.00	6.56
52	p	1,2-dichloropropane	0.296	0.263	11.1	57	0.00	6.76
53	p	dibromomethane	0.156	0.166	-6.4	67	0.00	7.07
54	p	bromodichloromethane	0.328	0.391	-19.2	76	0.00	7.02
55	p	Methylcyclohexane	0.396	0.384	3.0	57	0.00	6.63
56	p	2-chloroethyl vinyl ether	0.073	0.107	-46.6#	94	0.00	7.35
57	p	methyl methacrylate	0.172	0.163	5.2	59	0.00	6.81
58	p	1,4-dioxane	0.003	0.003#	0.0	61	0.00	7.06
59	p	cis-1,3-dichloropropene	0.425	0.437	-2.8	65	0.00	7.61
60	S	toluene-d8 (s)	0.881	0.951	-7.9	68	0.00	7.88
61	p	4-methyl-2-pentanone	0.388	0.356	8.2	57	0.00	7.37
62	p	toluene	0.608	0.678	-11.5	67	0.00	7.96
63	p	trans-1,3-dichloropropene	0.365	0.430	-17.8	73	0.00	8.16
64	p	1,1,2-trichloroethane	0.192	0.187	2.6	63	0.00	8.33
65	p	ethyl methacrylate	0.321	0.307	4.4	60	0.00	8.15
66	I	chlorobenzene-d5	1.000	1.000	0.0	68	0.00	9.54
67	p	tetrachloroethene	0.517	0.562	-8.7	75	0.00	8.68
68	p	1,3-dichloropropane	0.725	0.667	8.0	63	0.00	8.61
69	p	dibromochloromethane	0.497	0.577	-16.1	80	0.00	8.90
70	p	1,2-dibromoethane	0.469	0.470	-0.2	70	0.00	9.12
71	p	2-hexanone	0.603	0.465	22.9#	53	0.00	8.34
72	p	chlorobenzene	1.436	1.404	2.2	67	0.00	9.58
73	p	1,1,1,2-tetrachloroethane	0.483	0.542	-12.2	77	0.00	9.63
74	p	ethylbenzene	2.396	2.466	-2.9	70	0.00	9.63
75	p	m,p-xylene	0.920	0.920	0.0	69	0.00	9.72
76	p	o-xylene	0.922	0.891	3.4	66	0.00	10.20
77	p	styrene	1.480	1.532	-3.5	70	0.00	10.24
78	p	bromoform	0.325	0.371	-14.2	79	0.00	10.61
79	p	trans-1,4-dichloro-2-bute	0.255	0.223	12.5	61	0.00	10.64
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	72	0.00	12.16
81	p	isopropylbenzene	2.482	2.463	0.8	68	0.00	10.59
82	S	bromofluorobenzene (s)	0.737	0.709	3.8	70	0.00	10.87
83	p	bromobenzene	0.603	0.629	-4.3	74	0.00	11.08
84	p	1,1,2,2-tetrachloroethane	0.627	0.534	14.8	64	0.00	10.78
85	p	1,2,3-trichloropropane	0.491	0.439	10.6	64	0.00	10.94
86	p	n-propylbenzene	2.936	2.704	7.9	64	0.00	11.03
87	p	2-chlorotoluene	2.052	1.985	3.3	69	0.00	11.22
88	p	4-chlorotoluene	1.819	1.804	0.8	70	0.00	11.28
89	p	1,3,5-trimethylbenzene	2.059	2.095	-1.7	71	0.00	11.20
90	p	tert-butylbenzene	1.411	1.459	-3.4	72	0.00	11.60
91	p	1,2,4-trimethylbenzene	2.049	2.035	0.7	69	0.00	11.63
92	p	sec-butylbenzene	2.534	2.492	1.7	68	0.00	11.82
93	p	1,3-dichlorobenzene	1.207	1.153	4.5	68	0.00	12.08
94	p	p-isopropyltoluene	2.057	2.152	-4.6	72	0.00	11.97
95	p	1,4-dichlorobenzene	1.192	1.147	3.8	70	0.00	12.20
96	p	1,2-dichlorobenzene	1.147	1.049	8.5	66	0.00	12.60
97	p	n-butylbenzene	1.912	1.835	4.0	66	0.00	12.42
98	p	1,2-dibromo-3-chloropropa	0.109	0.108	0.9	74	0.00	13.46

Continuing Calibration Summary

Job Number: MC26964 **Sample:** MSG5173-CC5138
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G134046.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

99	p	1,3,5-trichlorobenzene	0.737	0.695	5.7	68	0.00	13.72
100	p	1,2,4-trichlorobenzene	0.627	0.620	1.1	72	0.00	14.42
101	p	hexachlorobutadiene	0.318	0.373	-17.3	84	0.00	14.57
102	p	naphthalene	1.464	1.457	0.5	71	0.00	14.71
103	p	2-Methylnaphthalene	0.356	0.294	17.4	54	0.00	15.89
104	p	1-Methylnaphthalene	0.274	0.240	12.4	58	0.00	16.16
105	p	1,2,3-trichlorobenzene	0.484	0.514	-6.2	76	0.00	14.98

(#) = Out of Range SPCC's out = 5 CCC's out = 0
G132613.D g131025s.m Fri Jan 10 11:49:41 2014

Initial Calibration Summary

Job Number: MC26964 **Sample:** MSM2169-ICC2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62074.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report GCMS M

Method : C:\msdchem\1\methods\M131211S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Calibration Files
.5 =m62065.D 20 =m62068.D 2 =m62076.D 5 =m62066.D
10 =m62067.D 50 =m62074.D 100 =m62070.D 200 =m62071.D
400 =m62072.D =

Compound	.5	20	2	5	10	50	100	200	400	Avg	%RSD
1) I tert butyl alcohol-d9 ----------ISTD----------											
2) tertiary butyl alcohol	1.830	1.327	1.592	1.873	1.603	2.040	1.629	1.767		1.708	12.74
3) Ethanol	0.140	0.114	0.131	0.122	0.116	0.133	0.130	0.140		0.128	7.86
4) I pentafluorobenzene ----------ISTD----------											
5) dichlorodifluoromethane	0.428	0.503	0.525	0.427	0.427	0.491	0.454	0.542		0.475	9.87
6) chloromethane	0.688	0.772	0.843	0.719	0.658	0.692	0.679	0.745		0.725	8.37
7) vinyl chloride	0.671	0.723	0.747	0.730	0.661	0.677	0.671	0.719		0.700	4.74
8) bromomethane	0.440	0.590	0.497	0.485	0.404	0.409	0.411	0.449		0.461	13.60
9) chloroethane	0.354		0.292	0.370	0.321	0.337	0.335	0.369		0.340	8.23
10) ethyl ether	0.417	0.367	0.421	0.421	0.358	0.434	0.354	0.371		0.393	8.48
11) acetonitrile	0.133		0.130	0.125	0.109	0.127	0.128	0.129		0.126	6.36
12) trichlorofluoromethane	0.851	0.660	0.877	0.830	0.769	0.832	0.802	0.859		0.810	8.57
13) freon-113	0.465	0.322	0.423	0.459	0.396	0.433	0.326	0.299		0.391	16.82
14) acrolein	0.113	0.108	0.116	0.117	0.102	0.117	0.114	0.124		0.114	5.77
15) 1,1-dichloroethene	0.437	0.665	0.503	0.478	0.402	0.472	0.397	0.376		0.466	19.68
16) acetone	0.084			0.103	0.080	0.099	0.101	0.096		0.094#	10.38
17) Methyl Acetate	0.580	0.374	0.525	0.584	0.562	0.751	0.640	0.686		0.588	19.23
18) methylene chloride	0.542	0.509	0.633	0.569	0.452	0.517	0.429	0.437		0.511	13.80
19) methyl tert butyl ether	1.091	1.072	1.158	1.132	0.943	1.136	0.944	0.993		1.059	8.24
20) acrylonitrile	0.223		0.196	0.230	0.212	0.274	0.231	0.249		0.231	10.99
21) allyl chloride	1.030	0.804	1.046	1.068	0.832	0.963	0.792	0.794		0.916	13.39
22) trans-1,2-dichloroethene	0.529	0.583	0.588	0.603	0.466	0.522	0.435	0.428		0.519	13.46
23) iodomethane											

Initial Calibration Summary

Job Number: MC26964 **Sample:** MSM2169-ICC2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62074.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                0.957 0.795 0.960 0.979 0.833 0.950 0.797 0.803   0.884    9.48
24)  carbon disulfide
                1.448 1.195 1.605 1.578 1.212 1.375 1.143 1.120   1.334   14.55
25)  propionitrile
                0.082       0.064 0.067 0.069 0.097 0.081 0.088   0.078   15.48
26)  vinyl acetate
                1.139 0.707 1.049 1.080 1.042 1.342 1.146 1.241   1.093   17.01
27)  chloroprene
                0.916 0.759 0.923 0.938 0.753 0.864 0.730 0.718   0.825   11.42
28)  di-isopropyl ether
                2.141 1.890 2.258 2.249 1.819 2.165 1.812 1.892   2.028    9.52
29)  methacrylonitrile
                0.347       0.375 0.354 0.302 0.403 0.341 0.370   0.356    8.92
30)  2-butanone
                0.080       0.054 0.071 0.068 0.092 0.089 0.094   0.078#  18.56
31)  1,1-dichloroethane
                0.992 0.864 0.998 1.006 0.829 0.948 0.792 0.803   0.904   10.15
32)  tert-butyl ethyl ether
                1.372 1.102 1.396 1.387 1.168 1.388 1.149 1.203   1.271    9.94
33)  isobutyl alcohol
                0.066       0.066 0.069 0.047 0.052 0.047 0.045   0.056   19.12
34)  2,2-dichloropropane
                0.568 0.544 0.631 0.607 0.494 0.543 0.440 0.438   0.533   13.41
35)  cis-1,2-dichloroethene
                0.633 0.681 0.691 0.659 0.531 0.602 0.501 0.512   0.601   12.81
36)  ethyl acetate
                0.420       0.437 0.450 0.318 0.354 0.302 0.310   0.370   17.25
37)  bromochloromethane
                0.343 0.371 0.355 0.357 0.290 0.343 0.289 0.303   0.331    9.72
38)  chloroform
                0.950 0.868 0.999 0.987 0.799 0.928 0.772 0.794   0.887   10.27
39)  dibromofluoromethane (s)
                0.640 0.648 0.693 0.671 0.538 0.347 0.460 0.393   0.549   24.53
             ---- Linear regression ----  Coefficient =  0.9905
               Response Ratio = 0.05570 + 0.39431 *A

40)  Tetrahydrofuran
                0.241       0.258 0.259 0.177 0.233 0.192 0.210   0.224   14.32
41)  1,1,1-trichloroethane
                0.790 0.733 0.823 0.813 0.661 0.728 0.599 0.607   0.719   12.33

42) I   1,4-difluorobenzene   ----------------ISTD---------------------
43)  Cyclohexane
                0.631 0.560 0.700 0.665 0.534 0.593 0.479 0.463   0.578   14.74
44)  carbon tetrachloride
                0.503 0.454 0.507 0.521 0.423 0.476 0.396 0.394   0.459   10.98
45)  1,1-dichloropropene
                0.438 0.410 0.451 0.454 0.357 0.403 0.346 0.345   0.401   11.50
46)  benzene
             1.895 1.349 1.240 1.398 1.419 1.121 1.289 1.096 1.108   1.324   18.68
47)  1,2-dichloroethane
                0.425 0.414 0.487 0.459 0.365 0.434 0.367 0.381   0.417   10.57
48)  tert-amyl methyl ether
                0.630 0.610 0.694 0.661 0.564 0.646 0.538 0.566   0.614    8.81
49)  heptane
                0.707 0.705 0.720 0.723 0.575 0.664 0.550 0.542   0.648   12.22
50)  trichloroethene
             0.535 0.397 0.334 0.427 0.408 0.324 0.374 0.317 0.324   0.382   18.42
51)  1,2-dichloropropane
                0.385 0.360 0.408 0.409 0.326 0.383 0.322 0.338   0.366    9.55
```

Initial Calibration Summary

Job Number: MC26964 **Sample:** MSM2169-ICC2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62074.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

52) dibromomethane
0.219 0.220 0.233 0.236 0.189 0.231 0.192 0.205 0.216 8.53
53) bromodichloromethane
0.457 0.406 0.482 0.479 0.397 0.464 0.389 0.409 0.435 8.88
54) Methylcyclohexane
0.588 0.509 0.628 0.624 0.501 0.566 0.467 0.460 0.543 12.45
55) 2-chloroethyl vinyl ether
0.096 0.099 0.101 0.085 0.108 0.087 0.094 0.096 8.31
56) methyl methacrylate
0.203 0.211 0.215 0.215 0.184 0.236 0.203 0.223 0.211 7.21
57) 1,4-dioxane
0.003 0.001 0.003 0.003 0.004 0.003 0.003 0.003# 24.90
---- Linear regression ---- Coefficient = 0.9950
Response Ratio = -0.00162 + 0.00346 *A

58) cis-1,3-dichloropropene
0.547 0.492 0.566 0.567 0.474 0.566 0.478 0.512 0.525 7.77
59) toluene-d8 (s)
1.443 1.326 1.507 1.499 1.149 0.714 1.273 23.98
---- Quadratic regression ---- Coefficient = 0.9999
Response Ratio = -0.00424 + 1.60555 *A + -0.49458 *A^2

60) 4-methyl-2-pentanone
0.411 0.414 0.439 0.417 0.351 0.466 0.385 0.408 0.411 8.30
61) toluene
0.892 0.785 0.916 0.933 0.755 0.872 0.743 0.762 0.832 9.47
62) trans-1,3-dichloropropene
0.437 0.377 0.445 0.457 0.386 0.479 0.406 0.439 0.428 8.28
63) 1,1,2-trichloroethane
0.255 0.209 0.267 0.267 0.221 0.264 0.224 0.240 0.243 9.48
64) ethyl methacrylate
0.401 0.313 0.380 0.407 0.350 0.451 0.388 0.420 0.389 10.94

65) I chlorobenzene-d5 ----------ISTD----------
66) tetrachloroethene
1.205 1.007 0.874 1.055 1.063 0.827 0.901 0.725 0.651 0.923 19.11
67) 1,3-dichloropropane
1.119 1.029 1.168 1.175 0.945 1.099 0.893 0.834 1.033 12.53
68) dibromochloromethane
1.013 0.968 1.055 1.046 0.875 1.014 0.806 0.761 0.942 12.05
69) 1,2-dibromoethane
0.780 0.758 0.831 0.832 0.681 0.791 0.633 0.599 0.738 12.12
70) 2-hexanone
0.726 1.035 0.998 0.832 0.621 0.833 0.724 0.644 0.802 19.10
71) chlorobenzene
2.756 2.457 2.844 2.917 2.289 2.554 2.063 1.891 2.471 15.00
72) 1,1,1,2-tetrachloroethane
0.995 0.889 1.002 1.029 0.829 0.944 0.752 0.703 0.893 13.62
73) ethylbenzene
4.044 3.733 4.300 4.276 3.360 3.726 2.999 2.734 3.647 15.82
74) m,p-xylene
1.744 1.537 1.795 1.825 1.448 1.611 1.285 1.172 1.552 15.41
75) o-xylene
1.745 1.497 1.794 1.859 1.470 1.649 1.308 1.202 1.566 15.07
76) styrene
2.785 2.437 2.885 2.911 2.338 2.573 2.082 1.928 2.493 14.67
77) bromoform
0.660 0.618 0.677 0.691 0.571 0.706 0.552 0.533 0.626 10.75
78) trans-1,4-dichloro-2-butene
0.307 0.335 0.329 0.262 0.350 0.269 0.258 0.301 12.73

Initial Calibration Summary

Job Number: MC26964 **Sample:** MSM2169-ICC2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62074.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
79) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
80)  isopropylbenzene
                3.919 3.275 3.989 4.081 3.295 3.811 3.194 3.289   3.606   10.43
81)  bromofluorobenzene (s)
                1.088 1.075 1.154 1.168 0.938 0.600 0.803 0.704   0.941   23.01
             ---- Linear regression ----  Coefficient =  0.9917
               Response Ratio = 0.08017 + 0.70499 *A

82)  bromobenzene
                1.002 0.944 1.061 1.054 0.866 1.015 0.850 0.890   0.960    8.82
83)  1,1,2,2-tetrachloroethane
                0.847 0.742 0.902 0.900 0.747 0.995 0.785 0.834   0.844   10.28
84)  1,2,3-trichloropropane
                0.916 0.810 0.903 0.937 0.811 1.060 0.865 0.933   0.904    8.90
85)  n-propylbenzene
                4.285 3.600 4.365 4.471 3.621 4.204 3.530 3.601   3.960   10.23
86)  2-chlorotoluene
                2.609 2.249 2.686 2.755 2.182 2.567 2.131 2.207   2.423   10.53
87)  4-chlorotoluene
                2.587 2.042 2.691 2.727 2.168 2.560 2.140 2.209   2.391   11.60
88)  1,3,5-trimethylbenzene
                3.268 2.811 3.306 3.325 2.731 3.227 2.691 2.815   3.022    9.33
89)  tert-butylbenzene
                1.764 1.511 1.825 1.830 1.476 1.757 1.445 1.487   1.637   10.43
90)  1,2,4-trimethylbenzene
                3.187 2.856 3.278 3.268 2.690 3.193 2.665 2.779   2.990    8.92
91)  sec-butylbenzene
                4.452 3.769 4.572 4.585 3.712 4.423 3.655 3.766   4.117   10.28
92)  1,3-dichlorobenzene
                2.050 1.828 2.115 2.193 1.742 2.089 1.723 1.792   1.941    9.72
93)  p-isopropyltoluene
                3.810 3.258 3.977 4.009 3.200 3.850 3.204 3.319   3.578   10.16
94)  1,4-dichlorobenzene
                2.095 1.962 2.205 2.247 1.751 2.116 1.733 1.784   1.987   10.52
95)  1,2-dichlorobenzene
                2.030 1.771 2.105 2.150 1.756 2.137 1.732 1.783   1.933    9.74
96)  n-butylbenzene
                3.259 2.774 3.332 3.362 2.692 3.264 2.683 2.720   3.011   10.52
97)  1,2-dibromo-3-chloropropane
                0.181       0.220 0.191 0.150 0.211 0.163 0.173   0.184   13.66
98)  1,3,5-trichlorobenzene
                1.464 1.290 1.582 1.600 1.233 1.575 1.257 1.297   1.412   11.28
99)  1,2,4-trichlorobenzene
                1.392 1.293 1.437 1.494 1.185 1.527 1.211 1.251   1.349    9.75
100)  hexachlorobutadiene
                0.668 0.628 0.714 0.693 0.547 0.695 0.544 0.547   0.630   11.69
101)  naphthalene
                3.757 4.044 3.847 4.024 3.275 4.391 3.452 3.643   3.804    9.34
102)  1,2,3-trichlorobenzene
                1.338 1.343 1.403 1.409 1.157 1.500 1.180 1.209   1.317    9.36
103)  2-methylnaphthalene
                2.197       1.874 2.276 1.931 2.566 2.049 2.130   2.146   10.85
104)  1-methylnaphthalene
                0.690       1.033 0.751 0.549 0.696 0.558 0.567   0.692 E1   24.59
             ---- Linear regression ----  Coefficient =  0.9965
               Response Ratio = 0.32089 + 5.59966 *A

---------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###
```

Initial Calibration Summary

Job Number: MC26964 **Sample:** MSM2169-ICC2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62074.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

M131211S.M Thu Dec 12 11:13:47 2013

Initial Calibration Verification

Job Number: MC26964 **Sample:** MSM2169-ICV2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62084.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M131212S\m62084.D Vial: 4
Acq On : 12 Dec 2013 10:00 am Operator: krystend
Sample : cc2169-50 Inst : GCMS M
Misc : MS30736,MSM2169,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M131211S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Dec 12 09:23:12 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	88	0.00	6.84
2	P	tertiary butyl alcohol	1.708	2.110	-23.5#	116	0.00	6.92
3	P	Ethanol	0.128	0.142	-10.9	108	0.00	5.64
4	I	pentafluorobenzene	1.000	1.000	0.0	97	0.00	9.35
5	P	dichlorodifluoromethane	0.475	0.399	16.0	90	0.02	4.45
6	P	chloromethane	0.725	0.756	-4.3	111	0.01	4.71
7	P	vinyl chloride	0.700	0.594	15.1	87	0.02	4.98
8	P	bromomethane	0.461	0.437	5.2	105	0.01	5.50
9	P	chloroethane	0.340	0.353	-3.8	106	0.00	5.67
10	P	ethyl ether	0.393	0.486	-23.7#	132	0.00	6.58
11	P	acetonitrile	0.126	0.131	-4.0	117	0.00	6.57
12	P	trichlorofluoromethane	0.810	0.789	2.6	99	0.00	6.34
13	P	freon-113	0.391	0.500	-27.9#	122	0.00	7.15
14	P	acrolein	0.114	0.017#	85.1#	16#	0.03	6.36
15	P	1,1-dichloroethene	0.466	0.579	-24.2#	139	0.00	6.94
16	P	acetone	0.094	0.108	-14.9	131	0.00	6.47
17	P	Methyl Acetate	0.588	0.608	-3.4	105	0.00	7.13
18	P	methylene chloride	0.511	0.624	-22.1#	133	0.00	7.10
19	P	methyl tert butyl ether	1.059	1.181	-11.5	121	0.00	7.91
20	P	acrylonitrile	0.231	0.456	-97.4#	209#	-0.01	7.00
21	P	allyl chloride	0.916	1.090	-19.0	127	0.00	7.19
22	P	trans-1,2-dichloroethene	0.519	0.616	-18.7	128	0.00	7.81
23	P	iodomethane	0.884	1.098	-24.2#	128	0.00	7.00
24	P	carbon disulfide	1.334	1.594	-19.5	127	0.00	7.39
25	P	propionitrile	0.078	0.087	-11.5	122	0.00	8.16
26	P	vinyl acetate	1.093	1.115	-2.0	104	0.00	8.17
27	P	chloroprene	0.825	1.024	-24.1#	132	0.00	8.44
28	P	di-isopropyl ether	2.028	2.246	-10.7	120	0.00	8.48
29	P	methacrylonitrile	0.356	0.389	-9.3	125	0.00	8.60
30	P	2-butanone	0.078	0.103	-32.1#	146	0.00	8.49
31	P	1,1-dichloroethane	0.904	1.075	-18.9	126	0.00	8.07
32	P	tert-butyl ethyl ether	1.271	1.493	-17.5	124	0.00	8.88
33	P	isobutyl alcohol	0.056	0.053	5.4	110	0.00	8.88
34	P	2,2-dichloropropane	0.533	0.628	-17.8	123	0.00	8.94
35	P	cis-1,2-dichloroethene	0.601	0.679	-13.0	124	0.00	8.65
36	P	ethyl acetate	0.370	0.354	4.3	108	0.00	8.88
37	P	bromochloromethane	0.331	0.382	-15.4	127	0.00	8.82
38	P	chloroform	0.887	1.002	-13.0	121	0.00	8.86
		----------	Amount	Calc.	%Drift	----------		
39	S	dibromofluoromethane (s)	45.000	52.242	-16.1	93	0.00	8.99

Initial Calibration Verification

Job Number: MC26964 **Sample:** MSM2169-ICV2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62084.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			AvgRF	CCRF	%Dev			
40	P	Tetrahydrofuran	0.224	0.226	-0.9	123	0.00	9.19
41	P	1,1,1-trichloroethane	0.719	0.823	-14.5	121	0.00	9.62
42	I	1,4-difluorobenzene	1.000	1.000	0.0	95	0.00	10.23
43	P	Cyclohexane	0.578	0.666	-15.2	119	0.00	9.91
44	P	carbon tetrachloride	0.459	0.547	-19.2	123	0.00	10.00
45	P	1,1-dichloropropene	0.401	0.470	-17.2	125	0.00	9.80
46	P	benzene	1.324	1.465	-10.6	124	0.00	10.03
47	P	1,2-dichloroethane	0.417	0.473	-13.4	123	0.00	9.52
48	P	tert-amyl methyl ether	0.614	0.717	-16.8	121	0.00	10.14
49	P	heptane	0.648	0.699	-7.9	116	0.00	10.51
50	P	trichloroethene	0.382	0.416	-8.9	122	0.00	10.66
51	P	1,2-dichloropropane	0.366	0.413	-12.8	120	0.00	10.62
52	P	dibromomethane	0.216	0.248	-14.8	125	0.00	10.60
53	P	bromodichloromethane	0.435	0.505	-16.1	121	0.00	10.71
54	P	Methylcyclohexane	0.543	0.657	-21.0#	125	0.00	11.17
55	P	2-chloroethyl vinyl ether	0.096	0.114	-18.8	127	0.00	11.08
56	P	methyl methacrylate	0.211	0.236	-11.8	122	0.00	10.80
			Amount	Calc.	%Drift			
57	P	1,4-dioxane	250.000	273.767	-9.5	115	0.00	10.80
			AvgRF	CCRF	%Dev			
58	P	cis-1,3-dichloropropene	0.525	0.584	-11.2	117	0.00	11.33
			Amount	Calc.	%Drift			
59	S	toluene-d8 (s)	45.000	49.920	-10.9	102	0.00	12.04
			AvgRF	CCRF	%Dev			
60	P	4-methyl-2-pentanone	0.411	0.460	-11.9	125	0.00	11.42
61	P	toluene	0.832	0.973	-16.9	122	0.00	12.11
62	P	trans-1,3-dichloropropene	0.428	0.528	-23.4#	130	0.00	11.75
63	P	1,1,2-trichloroethane	0.243	0.280	-15.2	120	0.00	11.92
64	P	ethyl methacrylate	0.389	0.445	-14.4	121	0.00	12.12
65	I	chlorobenzene-d5	1.000	1.000	0.0	96	0.00	13.51
66	P	tetrachloroethene	0.923	1.051	-13.9	122	0.00	12.85
67	P	1,3-dichloropropane	1.033	1.222	-18.3	124	0.00	12.16
68	P	dibromochloromethane	0.942	1.130	-20.0	124	0.00	12.45
69	P	1,2-dibromoethane	0.738	0.868	-17.6	122	0.00	12.71
70	P	2-hexanone	0.802	1.082	-34.9#	167	0.00	12.28
71	P	chlorobenzene	2.471	2.805	-13.5	117	0.00	13.54
72	P	1,1,1,2-tetrachloroethane	0.893	1.085	-21.5#	125	0.00	13.46
73	P	ethylbenzene	3.647	4.238	-16.2	121	0.00	13.71
74	P	m,p-xylene	1.552	1.811	-16.7	120	0.00	13.90
75	P	o-xylene	1.566	1.807	-15.4	118	0.00	14.31
76	P	styrene	2.493	2.989	-19.9	122	0.00	14.23
77	P	bromoform	0.626	0.751	-20.0	126	0.00	14.06
78	P	trans-1,4-dichloro-2-bute	0.301	0.354	-17.6	129	0.00	14.45
79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	99	0.00	16.06
80	P	isopropylbenzene	3.606	3.897	-8.1	117	0.00	14.67
			Amount	Calc.	%Drift			
81	S	bromofluorobenzene (s)	45.000	51.683	-14.9	95	0.00	14.73
			AvgRF	CCRF	%Dev			
82	P	bromobenzene	0.960	1.081	-12.6	123	0.00	14.97

Initial Calibration Verification

Job Number: MC26964 **Sample:** MSM2169-ICV2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62084.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

83	P	1,1,2,2-tetrachloroethane	0.844	0.979	-16.0	129	0.00	14.31
84	P	1,2,3-trichloropropane	0.904	1.025	-13.4	125	0.00	14.46
85	P	n-propylbenzene	3.960	4.128	-4.2	112	0.00	15.12
86	P	2-chlorotoluene	2.423	2.577	-6.4	117	0.00	15.24
87	P	4-chlorotoluene	2.391	2.669	-11.6	121	0.00	15.31
88	P	1,3,5-trimethylbenzene	3.022	3.298	-9.1	119	0.00	15.39
89	P	tert-butylbenzene	1.637	1.727	-5.5	115	0.00	15.70
90	P	1,2,4-trimethylbenzene	2.990	3.254	-8.8	119	0.00	15.80
91	P	sec-butylbenzene	4.117	4.440	-7.8	118	0.00	15.92
92	P	1,3-dichlorobenzene	1.941	2.184	-12.5	124	0.00	16.03
93	P	p-isopropyltoluene	3.578	3.977	-11.2	123	0.00	16.09
94	P	1,4-dichlorobenzene	1.987	2.282	-14.8	129	0.00	16.10
95	P	1,2-dichlorobenzene	1.933	2.168	-12.2	122	0.00	16.46
96	P	n-butylbenzene	3.011	3.363	-11.7	123	0.00	16.51
97	P	1,2-dibromo-3-chloropropa	0.184	0.189	-2.7	124	0.00	16.94
98	P	1,3,5-trichlorobenzene	1.412	1.608	-13.9	129	0.00	17.75
99	P	1,2,4-trichlorobenzene	1.349	1.573	-16.6	131	0.00	18.30
100	P	hexachlorobutadiene	0.630	0.710	-12.7	128	0.00	18.59
101	P	naphthalene	3.804	4.166	-9.5	125	0.00	18.57
102	P	1,2,3-trichlorobenzene	1.317	1.495	-13.5	128	0.00	18.78
103	P	2-methylnaphthalene	2.146	2.377	-10.8	121	0.00	19.97
			Amount	Calc.	%Drift			
104	P	1-methylnaphthalene	25.000	27.233	-8.9	121	0.00	20.22

(#) = Out of Range SPCC's out = 1 CCC's out = 0
m62074.D M131211S.M Thu Dec 12 11:16:25 2013

Continuing Calibration Summary

Job Number: MC26964 **Sample:** MSM2172-CC2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62162.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M131213S\m62162.D Vial: 28
Acq On : 14 Dec 2013 12:41 am Operator: krystend
Sample : cc2169-50 Inst : GCMS M
Misc : MS30775,MSM2172,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M131211S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Dec 12 09:23:12 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	78	0.01	6.85
2	P	tertiary butyl alcohol	1.708	2.108	-23.4#	103	0.00	6.93
3	P	Ethanol	0.128	0.120	6.3	81	0.02	5.67
4	I	pentafluorobenzene	1.000	1.000	0.0	79	0.00	9.35
5	P	dichlorodifluoromethane	0.475	0.431	9.3	79	0.01	4.44
6	P	chloromethane	0.725	0.590	18.6	70	0.00	4.71
7	P	vinyl chloride	0.700	0.598	14.6	71	0.01	4.97
8	P	bromomethane	0.461	0.395	14.3	77	0.01	5.50
9	P	chloroethane	0.340	0.310	8.8	76	0.00	5.67
10	P	ethyl ether	0.393	0.412	-4.8	90	0.00	6.58
11	P	acetonitrile	0.126	0.126	0.0	91	0.01	6.59
12	P	trichlorofluoromethane	0.810	0.848	-4.7	87	0.00	6.34
13	P	freon-113	0.391	0.432	-10.5	86	0.00	7.15
14	P	acrolein	0.114	0.099	13.2	76	0.00	6.34
15	P	1,1-dichloroethene	0.466	0.471	-1.1	92	0.00	6.95
16	P	acetone	0.094	0.058#	38.3#	57	0.08	6.56
17	P	Methyl Acetate	0.588	0.738	-25.5#	103	0.00	7.13
18	P	methylene chloride	0.511	0.545	-6.7	95	0.00	7.11
19	P	methyl tert butyl ether	1.059	1.142	-7.8	95	0.00	7.91
20	P	acrylonitrile	0.231	0.256	-10.8	95	0.00	7.01
21	P	allyl chloride	0.916	0.892	2.6	84	0.00	7.20
22	P	trans-1,2-dichloroethene	0.519	0.516	0.6	87	0.00	7.82
23	P	iodomethane	0.884	0.967	-9.4	91	0.00	7.01
24	P	carbon disulfide	1.334	1.282	3.9	83	0.00	7.39
25	P	propionitrile	0.078	0.086	-10.3	98	0.00	8.16
26	P	vinyl acetate	1.093	0.850	22.2#	64	0.00	8.18
27	P	chloroprene	0.825	0.881	-6.8	92	0.00	8.45
28	P	di-isopropyl ether	2.028	2.147	-5.9	93	0.00	8.48
29	P	methacrylonitrile	0.356	0.379	-6.5	99	0.00	8.60
30	P	2-butanone	0.078	0.068#	12.8	78	0.00	8.50
31	P	1,1-dichloroethane	0.904	0.966	-6.9	92	0.00	8.07
32	P	tert-butyl ethyl ether	1.271	1.406	-10.6	95	0.00	8.88
33	P	isobutyl alcohol	0.056	0.057	-1.8	96	0.00	8.88
34	P	2,2-dichloropropane	0.533	0.540	-1.3	86	0.00	8.95
35	P	cis-1,2-dichloroethene	0.601	0.618	-2.8	91	0.00	8.65
36	P	ethyl acetate	0.370	0.363	1.9	90	0.00	8.88
37	P	bromochloromethane	0.331	0.367	-10.9	99	0.00	8.82
38	P	chloroform	0.887	1.002	-13.0	99	0.00	8.86
		----------	Amount	Calc.	%Drift	----------		
39	S	dibromofluoromethane (s)	45.000	52.330	-16.3	76	0.00	8.99

Continuing Calibration Summary

Job Number: MC26964 **Sample:** MSM2172-CC2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62162.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			AvgRF	CCRF	%Dev			
40	P	Tetrahydrofuran	0.224	0.205	8.5	91	0.00	9.19
41	P	1,1,1-trichloroethane	0.719	0.812	-12.9	97	0.00	9.63
42	I	1,4-difluorobenzene	1.000	1.000	0.0	76	0.00	10.23
43	P	Cyclohexane	0.578	0.603	-4.3	85	0.00	9.91
44	P	carbon tetrachloride	0.459	0.556	-21.1#	99	0.00	10.00
45	P	1,1-dichloropropene	0.401	0.431	-7.5	91	0.00	9.80
46	P	benzene	1.324	1.349	-1.9	91	0.00	10.03
47	P	1,2-dichloroethane	0.417	0.488	-17.0	101	0.00	9.52
48	P	tert-amyl methyl ether	0.614	0.694	-13.0	93	0.00	10.14
49	P	heptane	0.648	0.649	-0.2	85	0.00	10.51
50	P	trichloroethene	0.382	0.407	-6.5	95	0.00	10.66
51	P	1,2-dichloropropane	0.366	0.401	-9.6	93	0.00	10.62
52	P	dibromomethane	0.216	0.248	-14.8	99	0.00	10.60
53	P	bromodichloromethane	0.435	0.521	-19.8	99	0.00	10.71
54	P	Methylcyclohexane	0.543	0.580	-6.8	88	0.00	11.18
55	P	2-chloroethyl vinyl ether	0.096	0.100	-4.2	89	0.00	11.08
56	P	methyl methacrylate	0.211	0.251	-19.0	103	0.00	10.80
			Amount	Calc.	%Drift			
57	P	1,4-dioxane	250.000	299.403	-19.8	101	0.00	10.80
			AvgRF	CCRF	%Dev			
58	P	cis-1,3-dichloropropene	0.525	0.583	-11.0	93	0.00	11.33
			Amount	Calc.	%Drift			
59	S	toluene-d8 (s)	45.000	49.369	-9.7	80	0.00	12.04
			AvgRF	CCRF	%Dev			
60	P	4-methyl-2-pentanone	0.411	0.465	-13.1	100	0.00	11.42
61	P	toluene	0.832	0.949	-14.1	95	0.00	12.11
62	P	trans-1,3-dichloropropene	0.428	0.496	-15.9	97	0.00	11.75
63	P	1,1,2-trichloroethane	0.243	0.277	-14.0	95	0.00	11.92
64	P	ethyl methacrylate	0.389	0.426	-9.5	92	0.00	12.12
65	I	chlorobenzene-d5	1.000	1.000	0.0	77	0.00	13.51
66	P	tetrachloroethene	0.923	1.055	-14.3	98	0.00	12.85
67	P	1,3-dichloropropane	1.033	1.198	-16.0	97	0.00	12.16
68	P	dibromochloromethane	0.942	1.192	-26.5#	105	0.00	12.45
69	P	1,2-dibromoethane	0.738	0.882	-19.5	100	0.00	12.71
70	P	2-hexanone	0.802	0.695	13.3	86	0.00	12.28
71	P	chlorobenzene	2.471	2.934	-18.7	99	0.00	13.54
72	P	1,1,1,2-tetrachloroethane	0.893	1.144	-28.1#	106	0.00	13.46
73	P	ethylbenzene	3.647	4.204	-15.3	96	0.00	13.71
74	P	m,p-xylene	1.552	1.811	-16.7	96	0.00	13.90
75	P	o-xylene	1.566	1.856	-18.5	97	0.00	14.31
76	P	styrene	2.493	2.974	-19.3	98	0.00	14.23
77	P	bromoform	0.626	0.819	-30.8#	110	0.00	14.06
78	P	trans-1,4-dichloro-2-bute	0.301	0.338	-12.3	99	0.00	14.45
79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	82	0.00	16.06
80	P	isopropylbenzene	3.606	3.946	-9.4	98	0.00	14.67
			Amount	Calc.	%Drift			
81	S	bromofluorobenzene (s)	45.000	50.978	-13.3	77	0.00	14.73
			AvgRF	CCRF	%Dev			
82	P	bromobenzene	0.960	1.066	-11.0	100	0.00	14.97

Continuing Calibration Summary

Job Number: MC26964 **Sample:** MSM2172-CC2169
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62162.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

83	P	1,1,2,2-tetrachloroethane	0.844	0.916	-8.5	100	0.00	14.31
84	P	1,2,3-trichloropropane	0.904	0.975	-7.9	98	0.00	14.46
85	P	n-propylbenzene	3.960	4.228	-6.8	95	0.00	15.12
86	P	2-chlorotoluene	2.423	2.597	-7.2	97	0.00	15.24
87	P	4-chlorotoluene	2.391	2.545	-6.4	96	0.00	15.31
88	P	1,3,5-trimethylbenzene	3.022	3.282	-8.6	98	0.00	15.39
89	P	tert-butylbenzene	1.637	1.808	-10.4	100	0.00	15.70
90	P	1,2,4-trimethylbenzene	2.990	3.204	-7.2	97	0.00	15.80
91	P	sec-butylbenzene	4.117	4.489	-9.0	99	0.00	15.92
92	P	1,3-dichlorobenzene	1.941	2.104	-8.4	98	0.00	16.03
93	P	p-isopropyltoluene	3.578	3.908	-9.2	100	0.00	16.09
94	P	1,4-dichlorobenzene	1.987	2.121	-6.7	99	0.00	16.09
95	P	1,2-dichlorobenzene	1.933	2.167	-12.1	101	0.00	16.46
96	P	n-butylbenzene	3.011	3.062	-1.7	93	0.00	16.51
97	P	1,2-dibromo-3-chloropropa	0.184	0.206	-12.0	112	0.00	16.94
98	P	1,3,5-trichlorobenzene	1.412	1.398	1.0	92	0.00	17.75
99	P	1,2,4-trichlorobenzene	1.349	1.338	0.8	92	0.00	18.30
100	P	hexachlorobutadiene	0.630	0.669	-6.2	100	0.00	18.59
101	P	naphthalene	3.804	4.132	-8.6	103	0.00	18.57
102	P	1,2,3-trichlorobenzene	1.317	1.390	-5.5	98	0.00	18.78
103	P	2-methylnaphthalene	2.146	2.314	-7.8	98	0.00	19.97
			Amount	Calc.	%Drift			
104	P	1-methylnaphthalene	25.000	29.783	-19.1	109	0.00	20.22

(#) = Out of Range SPCC's out = 2 CCC's out = 0
m62074.D M131211S.M Mon Dec 16 09:05:59 2013

New England ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Dec 16 11:21:42 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

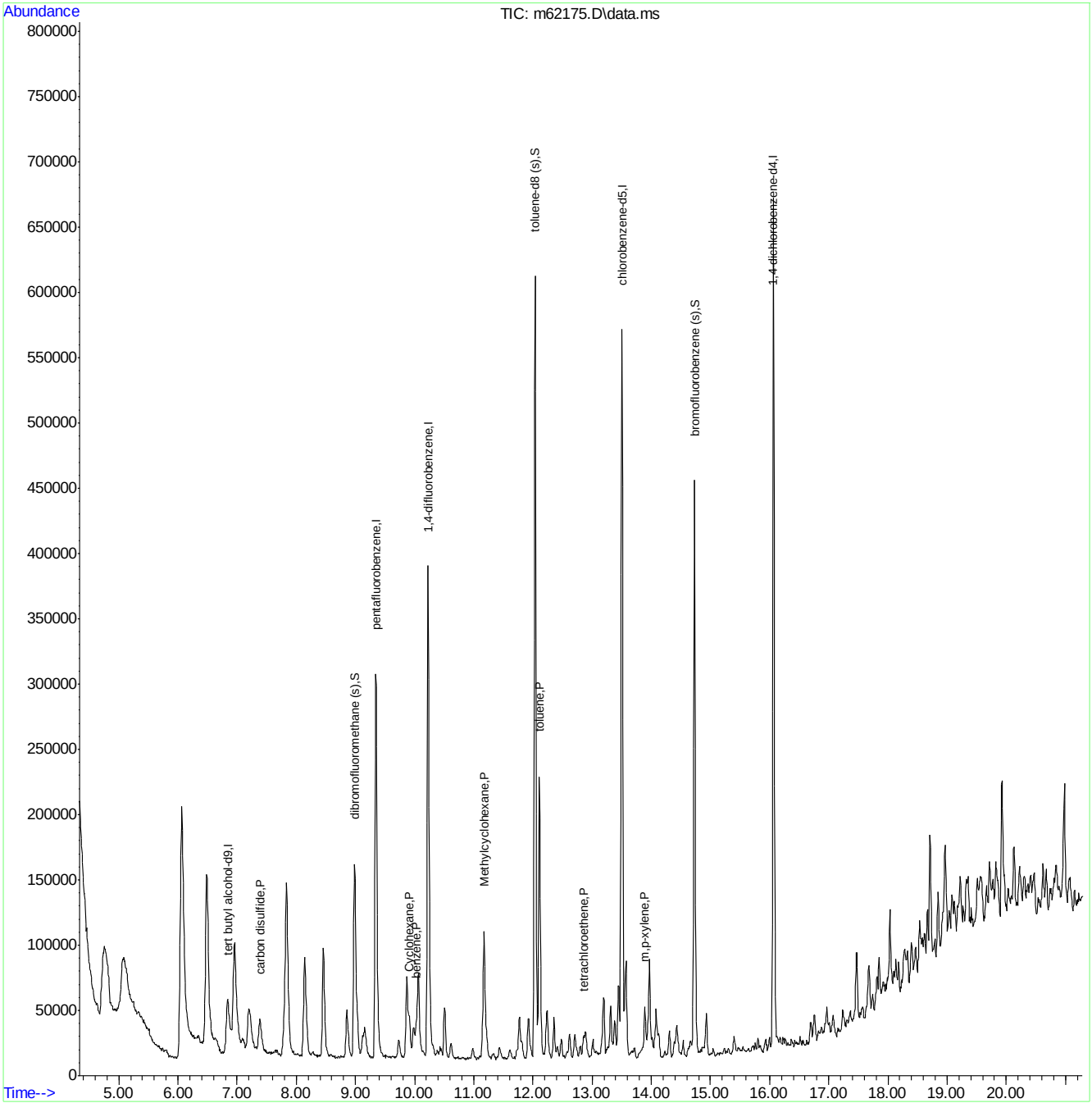
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	182825	500.00	ug/kg	0.00
4) pentafluorobenzene	9.342	168	260503	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	410494	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	172753	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	206413	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	129551	56.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.00%			
59) toluene-d8 (s)	12.037	98	445607	48.33	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.66%			
81) bromofluorobenzene (s)	14.731	95	170421	52.87	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.74%			
Target Compounds						Qvalue
24) carbon disulfide	7.388	76	88330	12.70	ug/kg	96
43) Cyclohexane	9.908	56	29442	6.20	ug/kg	88
46) benzene	10.029	78	21465	1.97	ug/kg	96
54) Methylcyclohexane	11.174	83	42089	9.44	ug/kg	94
61) toluene	12.111	92	104239	15.25	ug/kg	93
66) tetrachloroethene	12.858	166	6253	1.96	ug/kg	89
74) m,p-xylene	13.889	106	14748	2.75	ug/kg	93

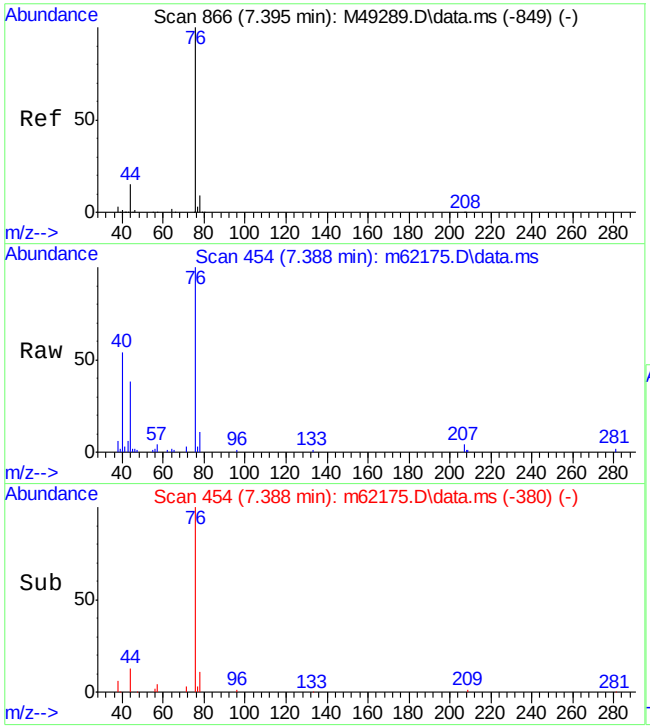
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Dec 16 11:21:42 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

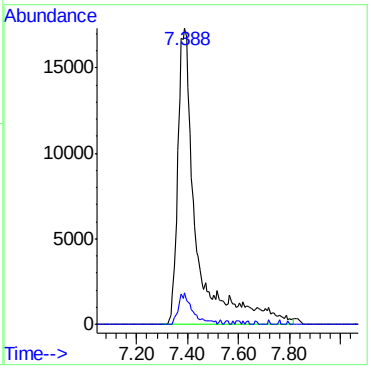


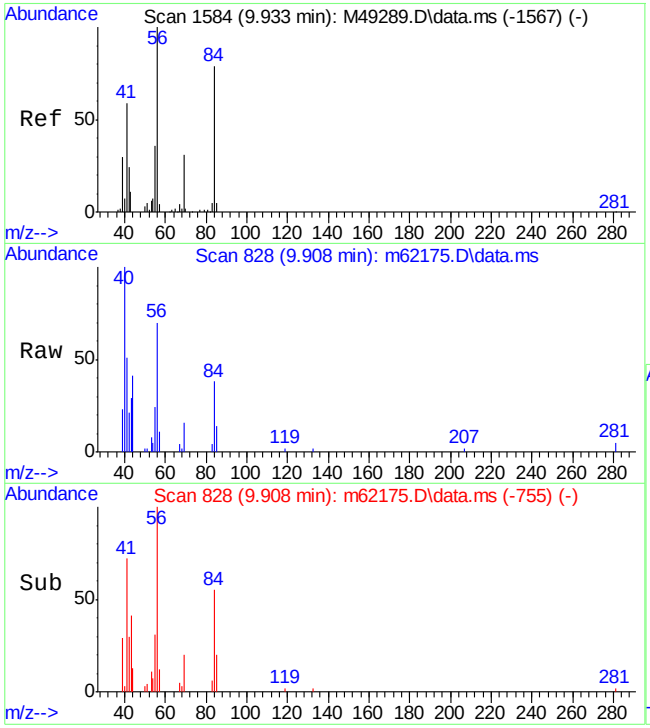


#24
carbon disulfide
Concen: 12.70 ug/kg
RT: 7.388 min Scan# 454
Delta R.T. 0.000 min
Lab File: m62175.D
Acq: 14 Dec 2013 7:05 am

Tgt Ion: 76 Resp: 88330

Ion	Ratio	Lower	Upper
76	100		
78	10.6	0.0	39.2

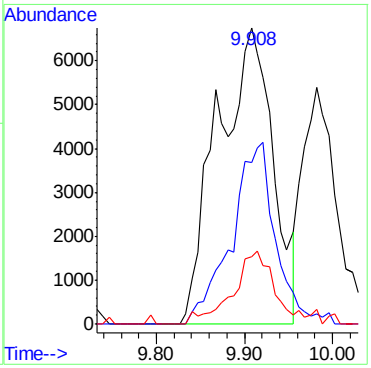


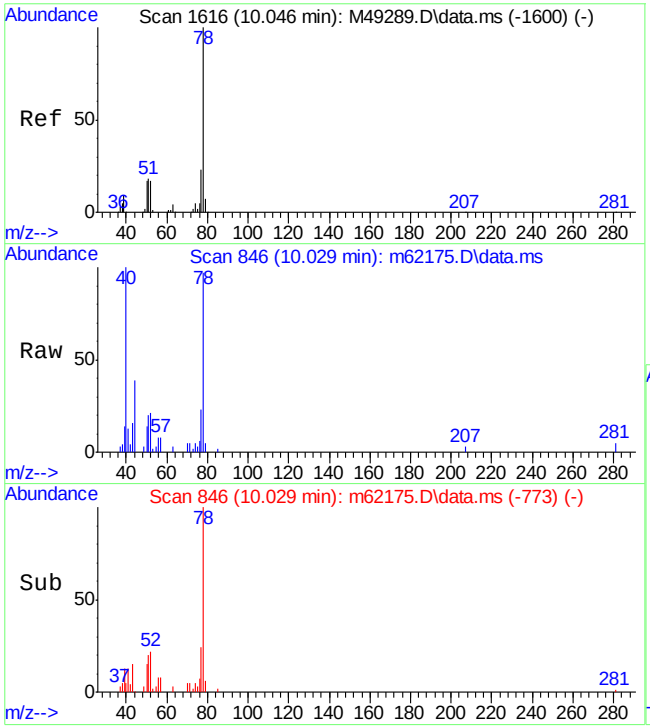


#43
Cyclohexane
Concen: 6.20 ug/kg
RT: 9.908 min Scan# 828
Delta R.T. -0.007 min
Lab File: m62175.D
Acq: 14 Dec 2013 7:05 am

Tgt Ion: 56 Resp: 29442

Ion	Ratio	Lower	Upper
56	100		
84	54.7	46.5	86.5
69	22.6	4.2	44.2

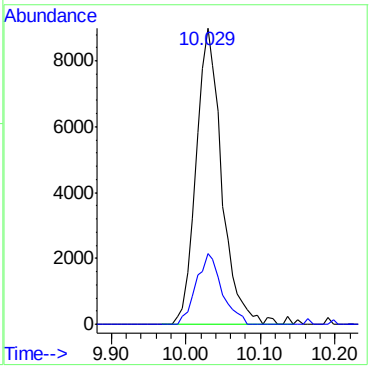


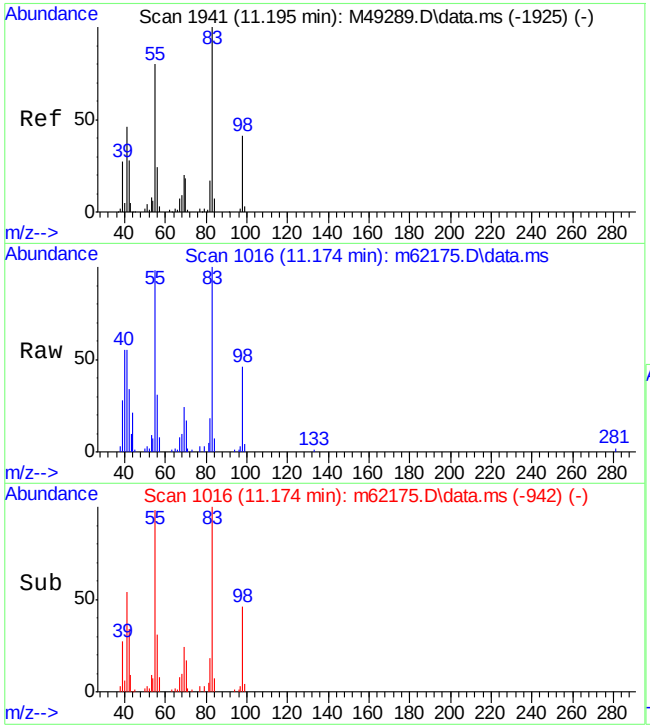


#46
benzene
Concen: 1.97 ug/kg
RT: 10.029 min Scan# 846
Delta R.T. 0.000 min
Lab File: m62175.D
Acq: 14 Dec 2013 7:05 am

Tgt Ion: 78 Resp: 21465

Ion	Ratio	Lower	Upper
78	100		
77	24.1	0.0	52.2

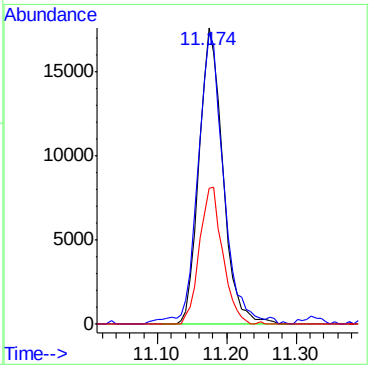


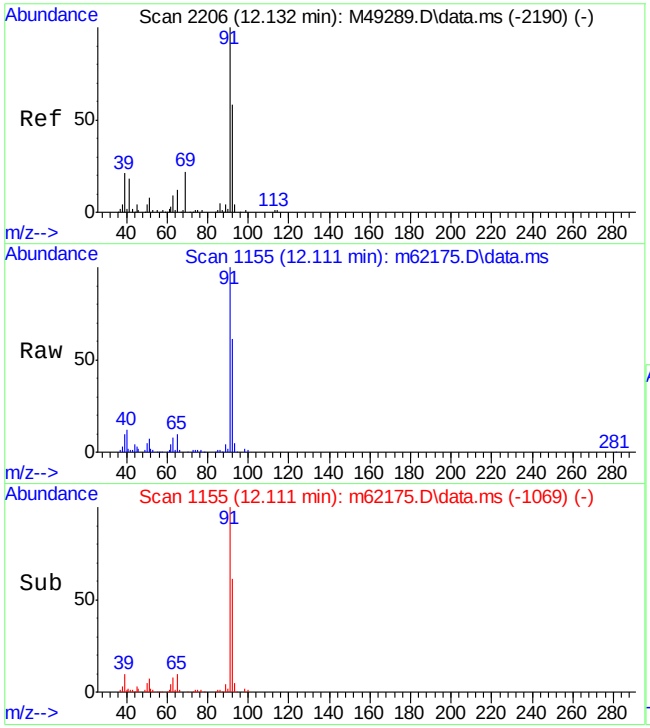


#54
Methylcyclohexane
Concen: 9.44 ug/kg
RT: 11.174 min Scan# 1016
Delta R.T. 0.000 min
Lab File: m62175.D
Acq: 14 Dec 2013 7:05 am

Tgt Ion: 83 Resp: 42089

Ion	Ratio	Lower	Upper
83	100		
55	98.2	72.1	112.1
98	45.9	22.8	62.8

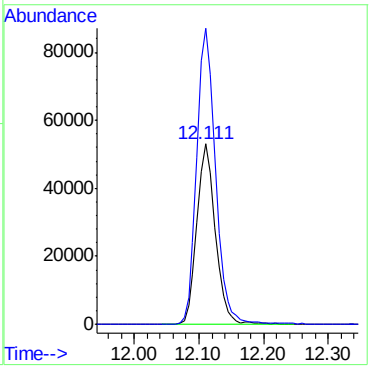


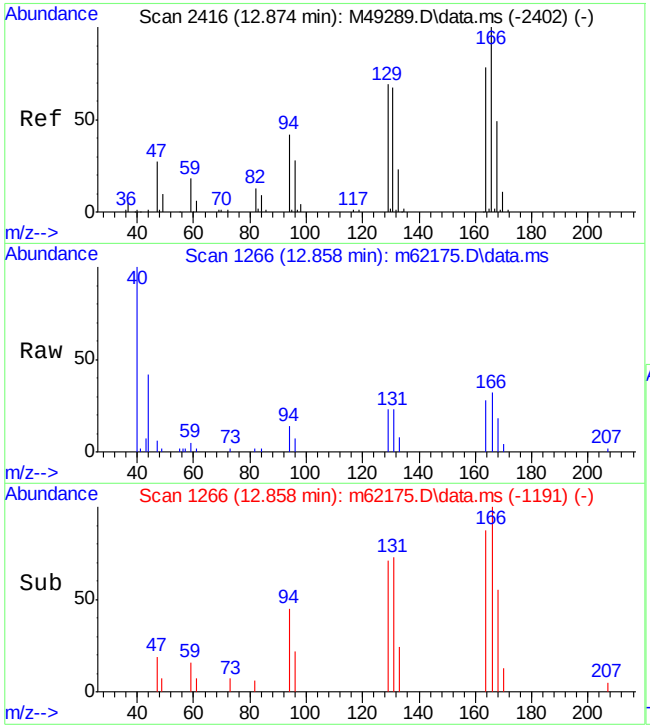


#61
toluene
Concen: 15.25 ug/kg
RT: 12.111 min Scan# 1155
Delta R.T. -0.000 min
Lab File: m62175.D
Acq: 14 Dec 2013 7:05 am

Tgt Ion: 92 Resp: 104239

Ion	Ratio	Lower	Upper
92	100		
91	164.4	143.8	203.8

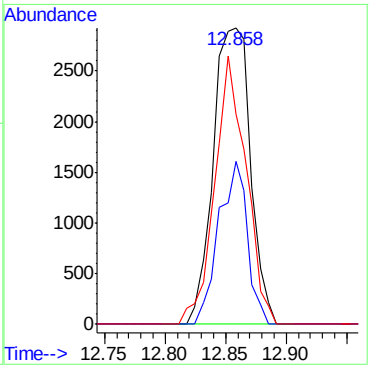


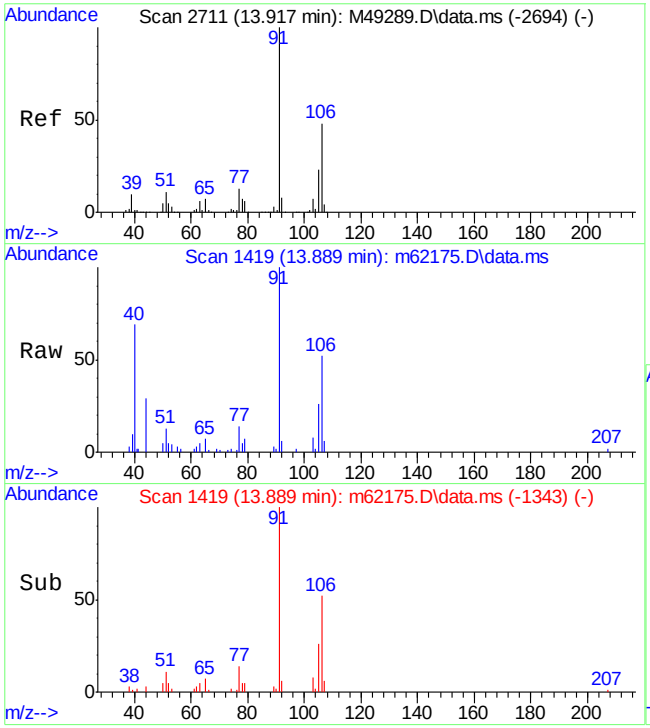


#66
tetrachloroethene
Concen: 1.96 ug/kg
RT: 12.858 min Scan# 1266
Delta R.T. 0.006 min
Lab File: m62175.D
Acq: 14 Dec 2013 7:05 am

Tgt Ion:166 Resp: 6253

Ion	Ratio	Lower	Upper
166	100		
168	54.9	16.0	76.0
129	71.0	49.6	109.6

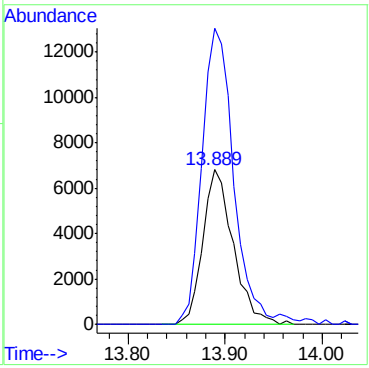




#74
m,p-xylene
Concen: 2.75 ug/kg
RT: 13.889 min Scan# 1419
Delta R.T. -0.007 min
Lab File: m62175.D
Acq: 14 Dec 2013 7:05 am

Tgt Ion:106 Resp: 14748

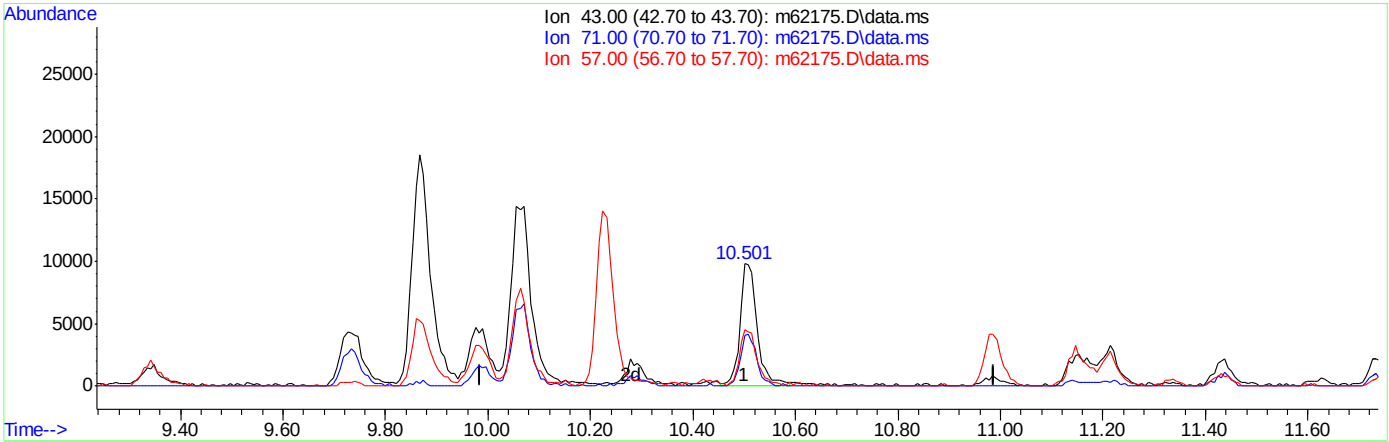
Ion	Ratio	Lower	Upper
106	100		
91	191.4	151.6	211.6

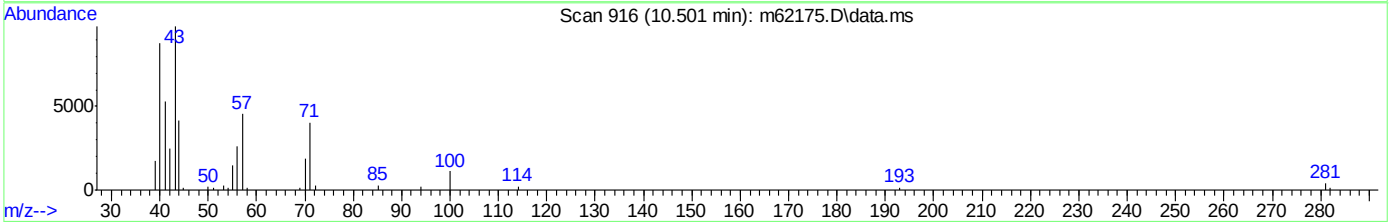


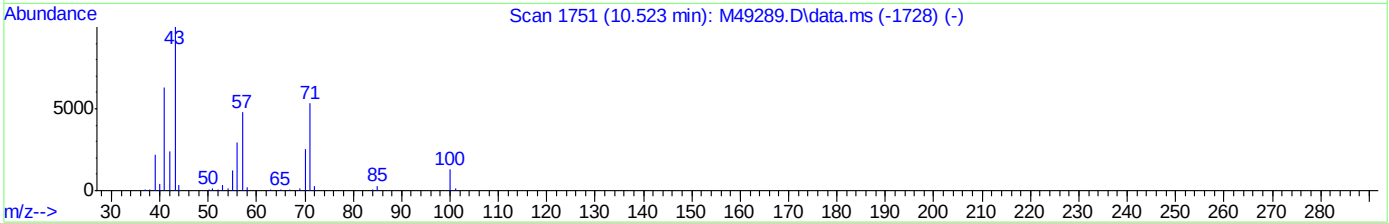
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Dec 16 09:39:38 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration







TIC: m62175.D\data.ms

(49) heptane (P)

10.501min (-0.006) 4.36ug/kg m

response 23214

Ion	Exp%	Act%
43.00	100	100
71.00	42.90	41.25
57.00	47.20	46.37
0.00	0.00	0.00

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131211S.M
Title : SW-846 Method 8260

Signal : TIC: m62175.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.754	53	63	103	rBV5	47109	334679	23.12%	2.020%
2	5.085	103	112	245	rVB4	76831	1447858	100.00%	8.737%
3	6.068	245	258	309	rBV	192784	1104016	76.25%	6.662%
4	6.486	309	320	361	rVB2	137416	627453	43.34%	3.786%
5	6.836	361	372	383	rBV3	41887	187773	12.97%	1.133%
6	6.957	383	390	417	rVB3	80704	343842	23.75%	2.075%
7	7.200	417	426	447	rVB6	29909	125581	8.67%	0.758%
8	7.388	447	454	505	rVB2	27728	139734	9.65%	0.843%
9	7.833	505	520	555	rVB2	132765	511665	35.34%	3.088%
10	8.143	555	566	581	rBV	75807	243906	16.85%	1.472%
11	8.459	605	613	665	rVV	83320	231886	16.02%	1.399%
12	8.857	665	672	683	rVV3	36440	105184	7.26%	0.635%
13	8.985	683	691	705	rVV	148131	446672	30.85%	2.695%
14	9.160	705	717	733	rVB4	23934	108755	7.51%	0.656%
15	9.342	733	744	793	rBV	294313	731114	50.50%	4.412%
16	9.733	793	802	813	rBV4	13929	40814	2.82%	0.246%
17	9.867	813	822	835	rVV4	62745	225860	15.60%	1.363%
18	9.989	835	840	843	rVV3	23293	62830	4.34%	0.379%
19	10.063	843	851	867	rVV3	64567	224731	15.52%	1.356%
20	10.224	867	875	911	rVV	377740	921626	63.65%	5.562%
21	10.507	911	917	925	rVV2	38897	90170	6.23%	0.544%
22	10.615	925	933	957	rVB8	11849	34946	2.41%	0.211%
23	10.979	981	987	997	rVB4	9451	28468	1.97%	0.172%
24	11.174	997	1016	1035	rBV4	99158	304637	21.04%	1.838%
25	11.336	1035	1040	1045	rVB5	5038	13398	0.93%	0.081%
26	11.430	1045	1054	1073	rBV6	9363	36524	2.52%	0.220%
27	11.605	1073	1080	1091	rVV8	6643	18828	1.30%	0.114%
28	11.774	1091	1105	1121	rVV4	32004	107761	7.44%	0.650%
29	11.922	1121	1127	1137	rVV2	30056	78923	5.45%	0.476%
30	12.037	1137	1144	1151	rVV	598784	1159585	80.09%	6.998%
31	12.111	1151	1155	1167	rVV	215335	432035	29.84%	2.607%
32	12.239	1167	1174	1185	rVB2	36554	100227	6.92%	0.605%
33	12.353	1185	1191	1205	rBV2	31599	83579	5.77%	0.504%
34	12.481	1205	1210	1219	rVB3	14258	30450	2.10%	0.184%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131211S.M
Title : SW-846 Method 8260

35	12.616	1219	1230	1237	rBV4	18326	49061	3.39%	0.296%
36	12.710	1237	1244	1253	rBV4	17694	46387	3.20%	0.280%
37	12.804	1253	1258	1261	rVV4	7503	14736	1.02%	0.089%
38	12.885	1261	1270	1283	rVB5	18931	70558	4.87%	0.426%
39	13.013	1283	1289	1307	rBV4	13440	40865	2.82%	0.247%
40	13.195	1307	1316	1325	rVV4	44043	113628	7.85%	0.686%
41	13.310	1325	1333	1339	rVV2	37541	92714	6.40%	0.559%
42	13.384	1339	1344	1349	rVV3	26175	63615	4.39%	0.384%
43	13.505	1349	1362	1381	rVB	555263	1336709	92.32%	8.066%
44	13.889	1399	1419	1423	rBV	39387	112257	7.75%	0.677%
45	13.970	1423	1431	1441	rVV3	75041	208420	14.40%	1.258%
46	14.084	1441	1448	1463	rVB3	37233	133817	9.24%	0.808%
47	14.226	1463	1469	1473	rBV5	4613	9195	0.64%	0.055%
48	14.307	1473	1481	1487	rVB5	19887	40701	2.81%	0.246%
49	14.428	1487	1499	1511	rBV5	24059	91002	6.29%	0.549%
50	14.536	1511	1515	1521	rVB6	12876	22531	1.56%	0.136%
51	14.731	1521	1544	1569	rBV	441348	907793	62.70%	5.478%
52	14.933	1569	1574	1585	rVB2	31759	66556	4.60%	0.402%
53	15.048	1587	1591	1615	rVB2	4571	7598	0.52%	0.046%
54	15.236	1615	1619	1635	rBV10	4545	18006	1.24%	0.109%
55	15.405	1635	1644	1699	rBV10	13608	104259	7.20%	0.629%
56	15.937	1715	1723	1727	rBV8	9248	19983	1.38%	0.121%
57	15.997	1727	1732	1735	rBV4	10182	16969	1.17%	0.102%
58	16.065	1735	1742	1829	rVV	651316	1310729	90.53%	7.910%
59	16.698	1829	1836	1841	rBV4	15078	32902	2.27%	0.199%
60	17.237	1911	1916	1943	rBV4	16693	112674	7.78%	0.680%
61	17.473	1943	1951	1975	rVV4	52012	157317	10.87%	0.949%
62	17.675	1975	1981	1997	rVV4	32420	104428	7.21%	0.630%
63	18.039	2029	2035	2105	rBV4	55072	386634	26.70%	2.333%
64	18.712	2131	2135	2151	rVB	90965	193567	13.37%	1.168%

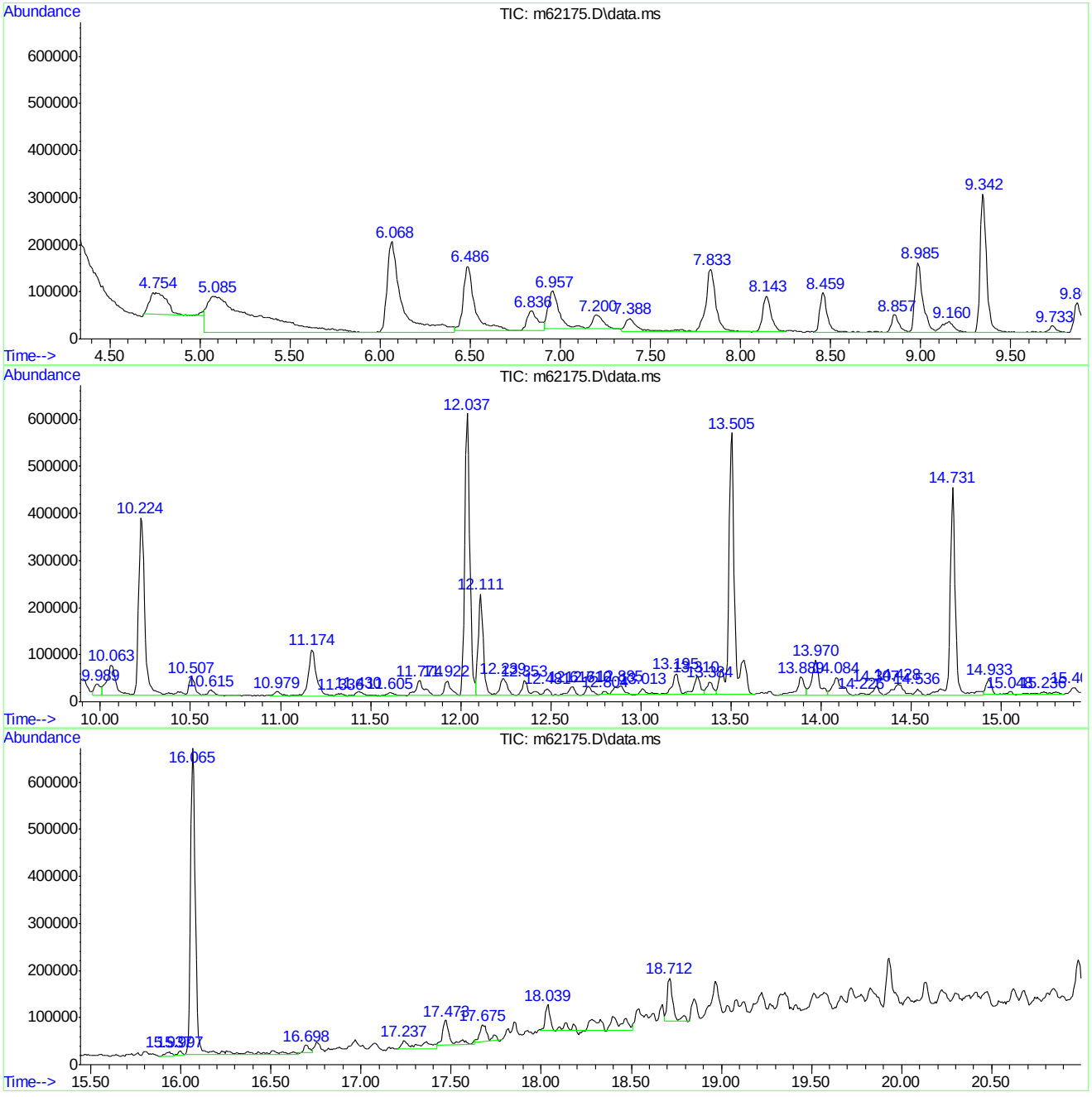
Sum of corrected areas: 16571121

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

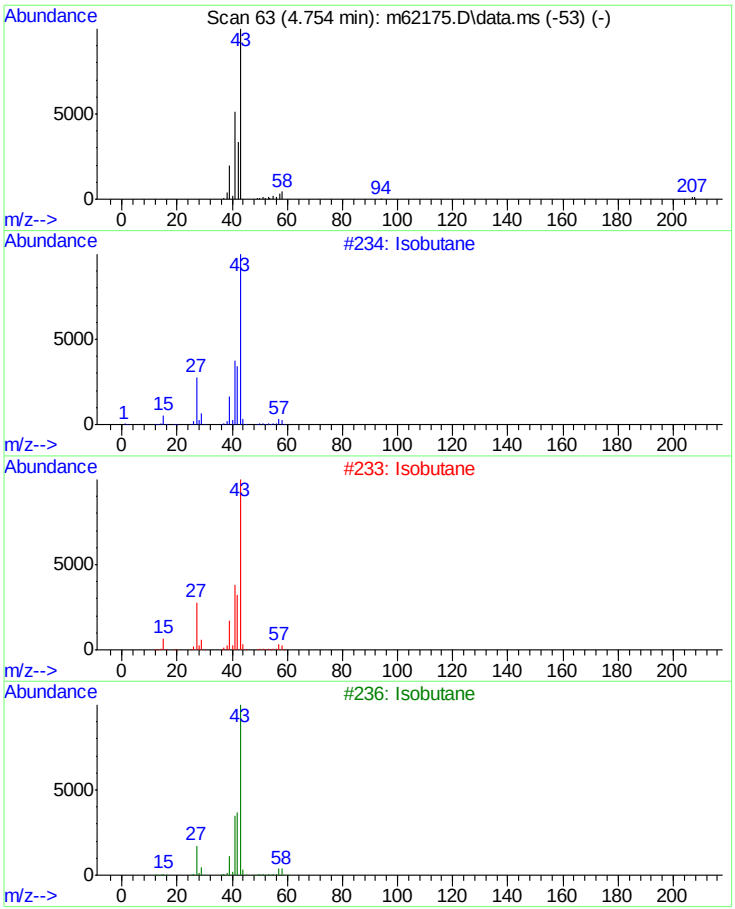
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

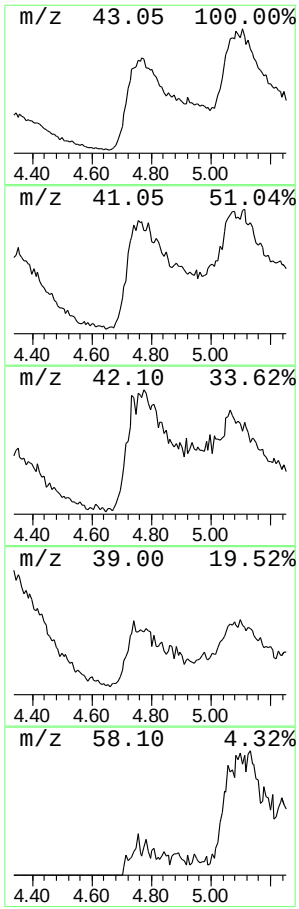
****

Peak Number 1 Isobutane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.754	22.89 ug/kg	334679	pentafluorobenzene	9.342

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	64
2	Isobutane	58	C4H10	000075-28-5	50
3	Isobutane	58	C4H10	000075-28-5	42
4	Isobutane	58	C4H10	000075-28-5	9
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	9





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

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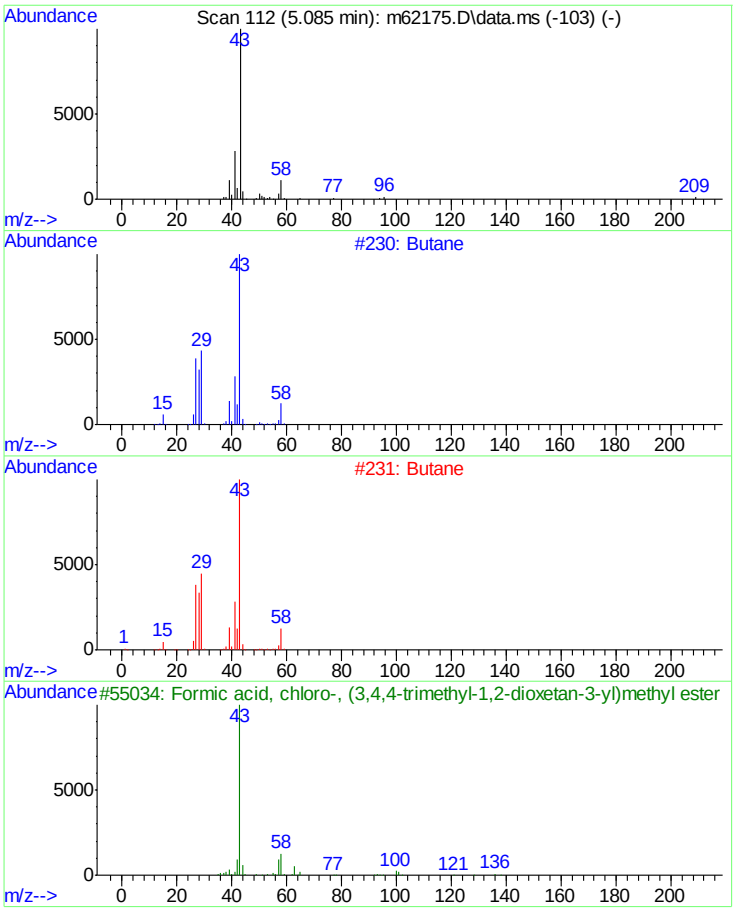
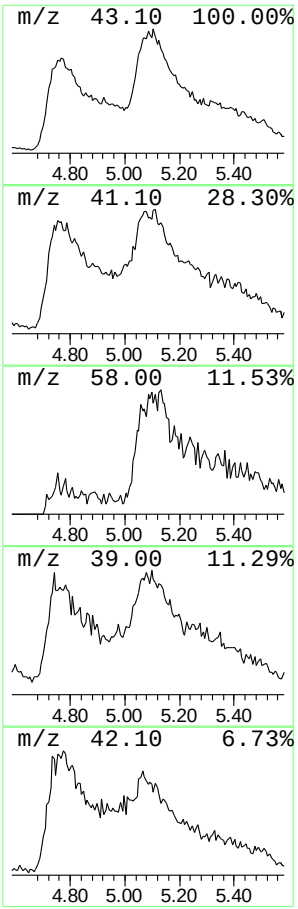
Peak Number 2 Butane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.085	99.02 ug/kg	1447860	pentafluorobenzene	9.342

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	53
2	Butane	58	C4H10	000106-97-8	42
3	Formic acid, chloro-, (3,4,4-tri...	194	C7H11ClO4	107323-92-2	39
4	Butane	58	C4H10	000106-97-8	33
5	Carbamic acid, 4-pyridinyl-, (3,...	252	C12H16N2O4	107323-99-9	28





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

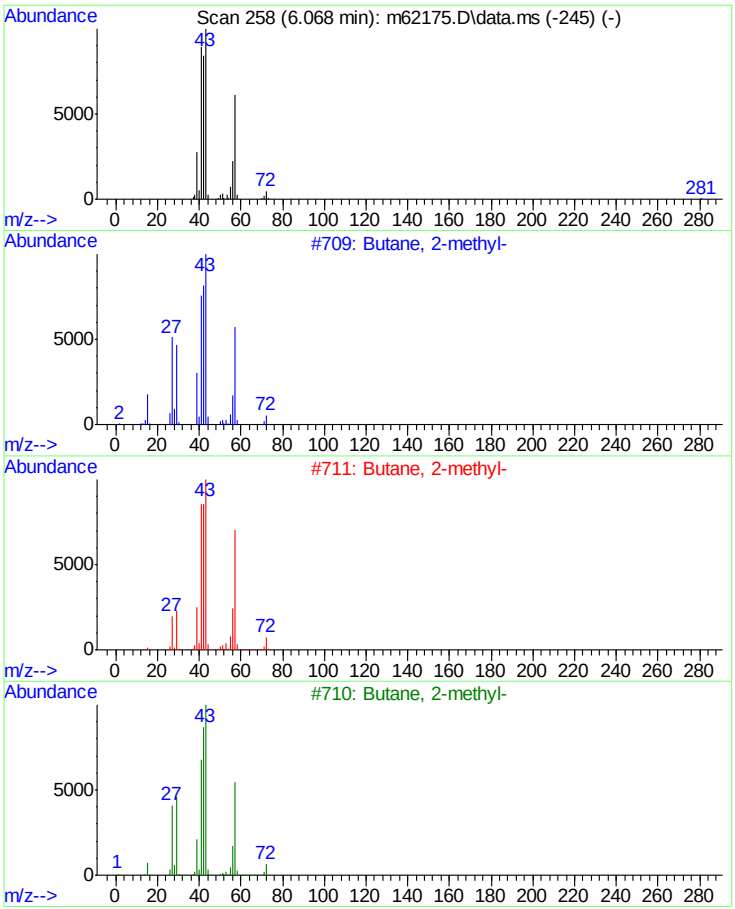
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

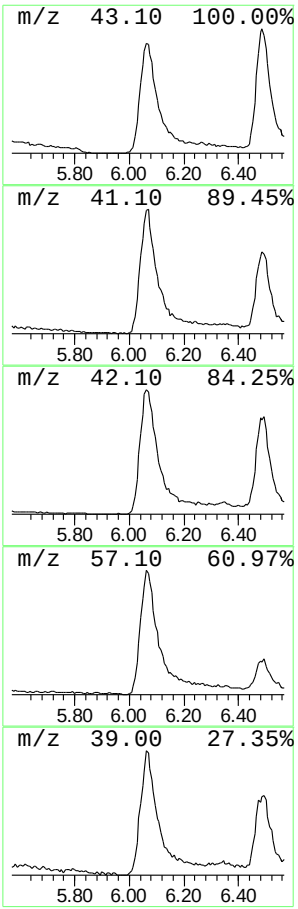
****

Peak Number 3 Butane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.068	75.50 ug/kg	1104020	pentafluorobenzene	9.342

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2	Butane, 2-methyl-	72	C5H12	000078-78-4	83
3	Butane, 2-methyl-	72	C5H12	000078-78-4	72
4	3-Buten-1-ol	72	C4H8O	000627-27-0	47
5	Pentane	72	C5H12	000109-66-0	38





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

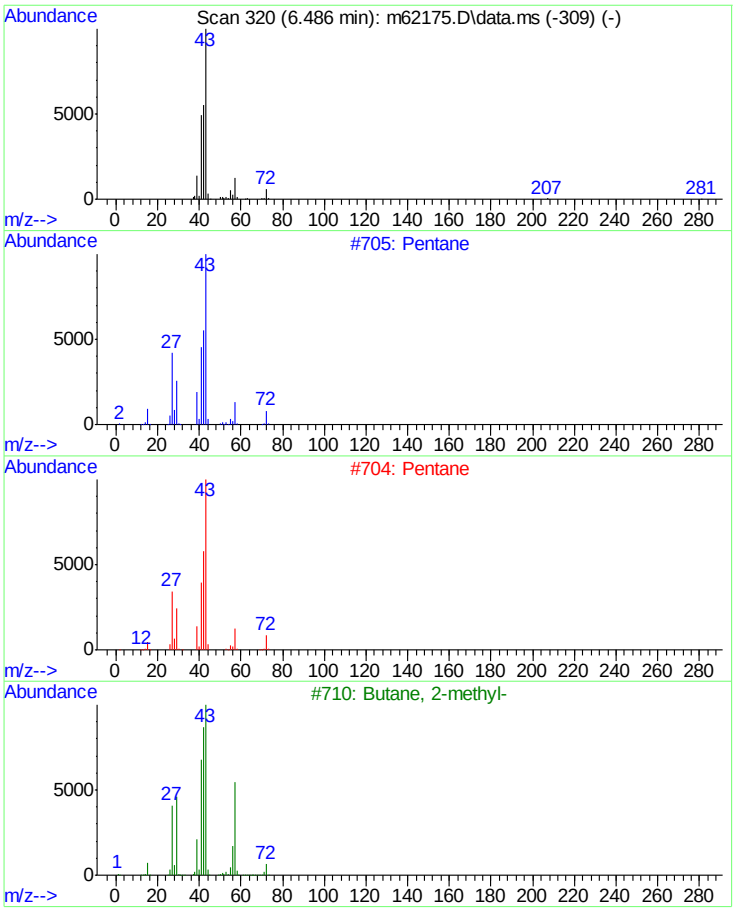
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

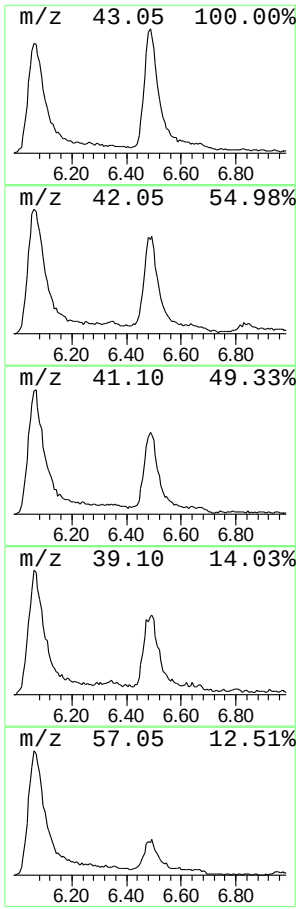
****

Peak Number 4 Pentane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.486	42.91 ug/kg	627453	pentafluorobenzene	9.342

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	80
2	Pentane	72	C5H12	000109-66-0	80
3	Butane, 2-methyl-	72	C5H12	000078-78-4	53
4	Butane, 2-methyl-	72	C5H12	000078-78-4	53
5	Pentane	72	C5H12	000109-66-0	45





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

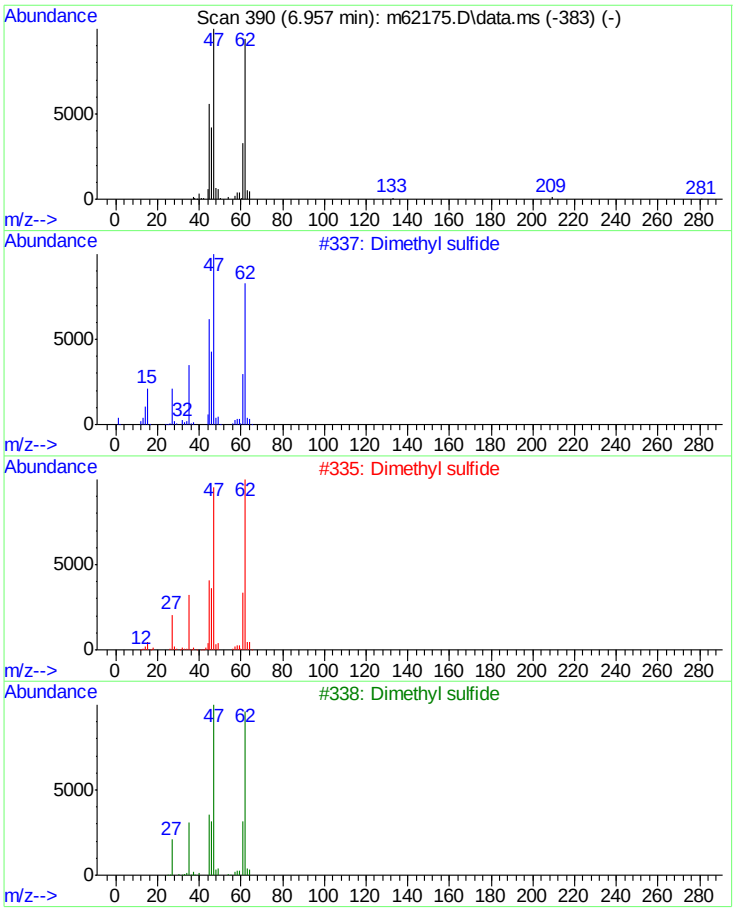
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

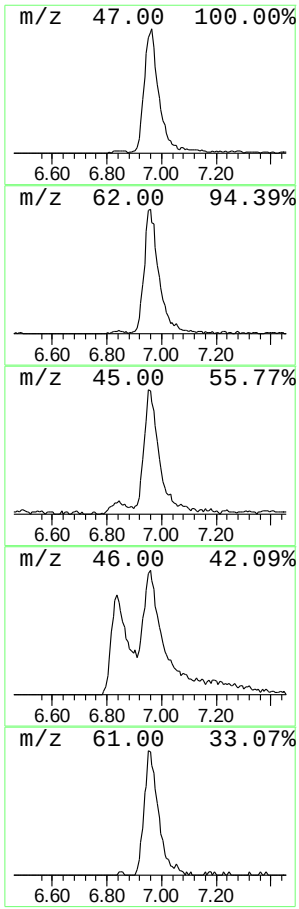
****

Peak Number 5 Dimethyl sulfide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.957	23.51 ug/kg	343842	pentafluorobenzene	9.342

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl sulfide	62	C2H6S	000075-18-3	94
2	Dimethyl sulfide	62	C2H6S	000075-18-3	94
3	Dimethyl sulfide	62	C2H6S	000075-18-3	94
4	Dimethyl sulfide	62	C2H6S	000075-18-3	94
5	Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	78





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

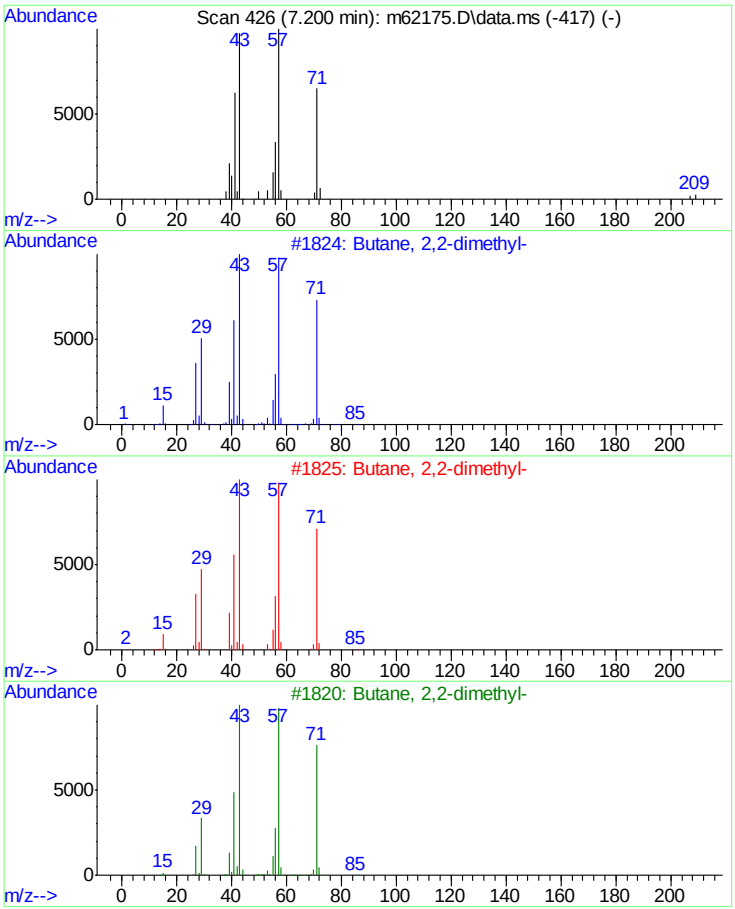
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

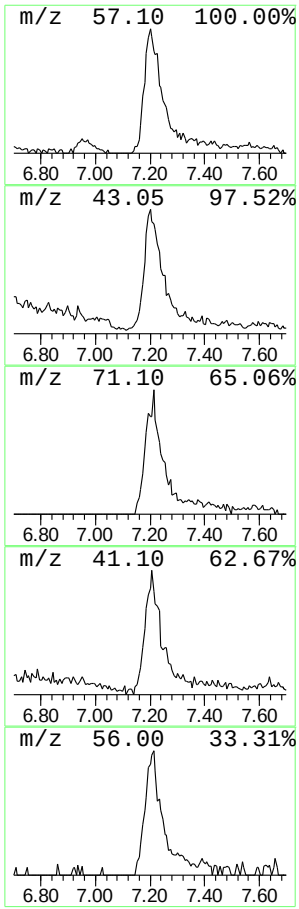
****

Peak Number 6 Butane, 2,2-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.200	8.59 ug/kg	125581	pentafluorobenzene	9.342

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	83
2	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	78
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	78
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	72
5	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	50





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

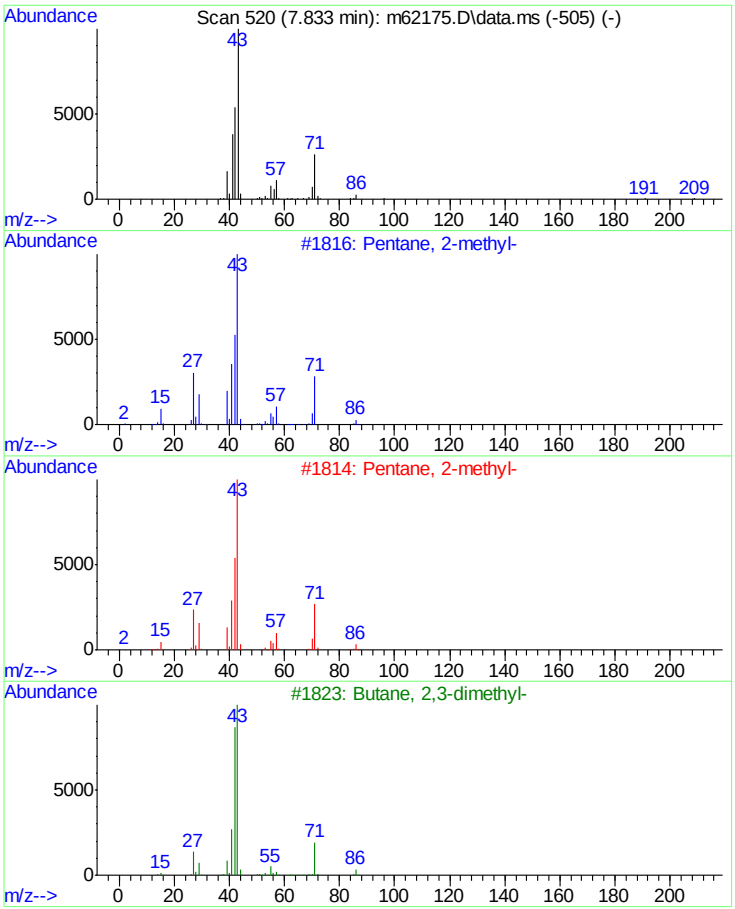
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

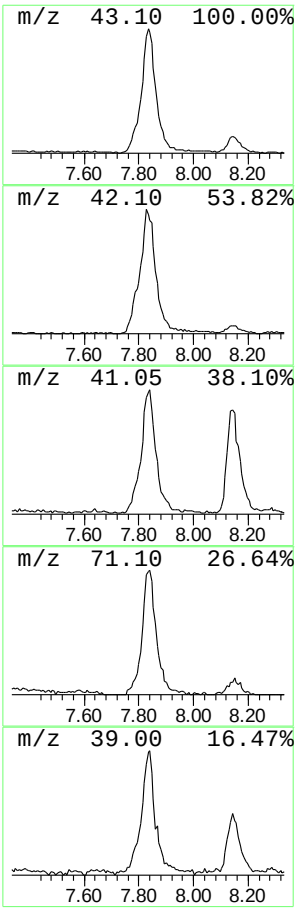
****

Peak Number 7 Pentane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.833	34.99 ug/kg	511665	pentafluorobenzene	9.342

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	53
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	45
5	Pentane	72	C5H12	000109-66-0	37





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

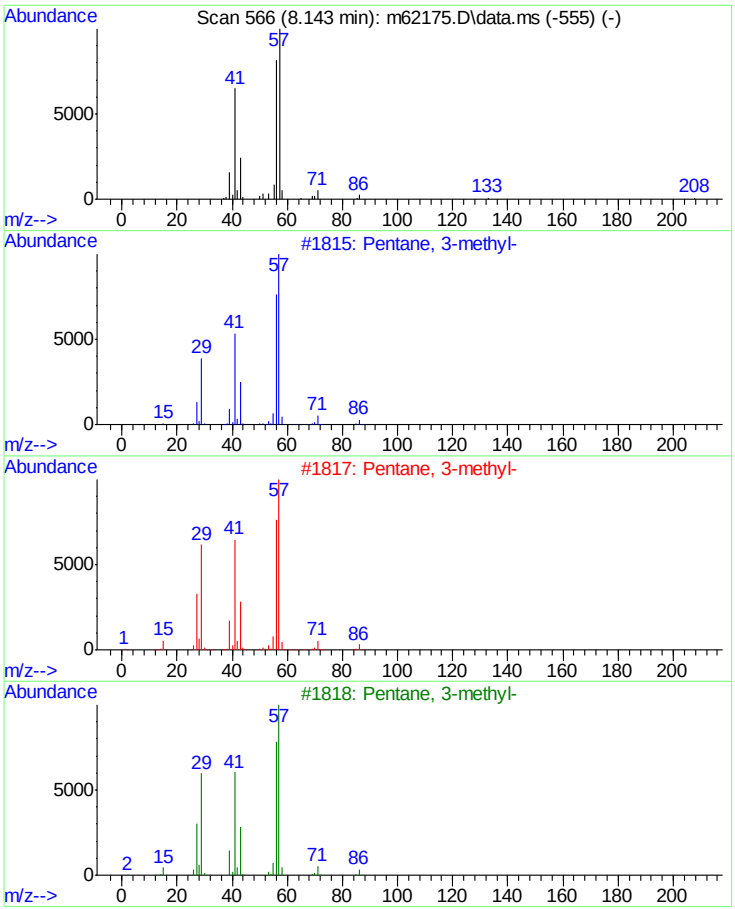
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

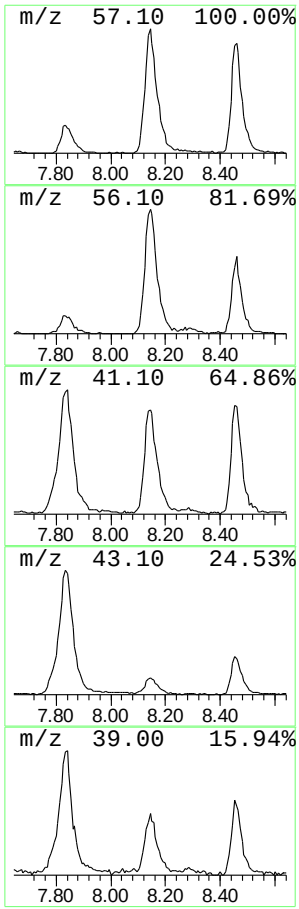
****

Peak Number 8 Pentane, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.143	16.68 ug/kg	243906	pentafluorobenzene	9.342

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
5	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	56





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

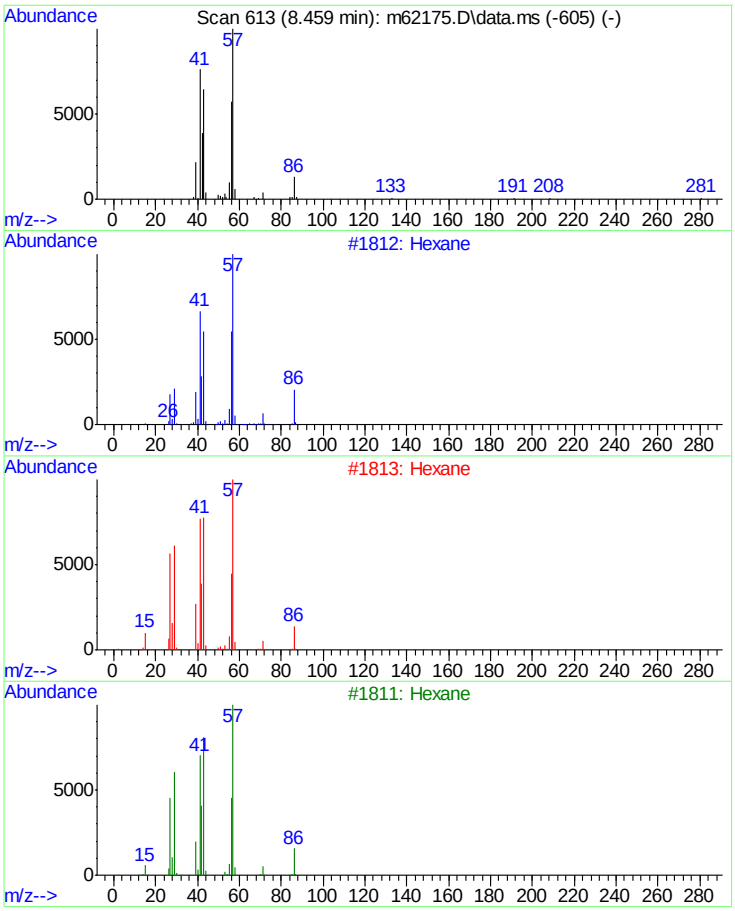
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

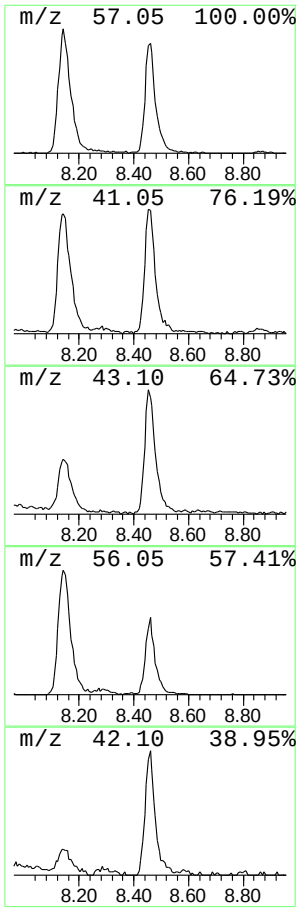
****

Peak Number 9 Hexane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.459	15.86 ug/kg	231886	pentafluorobenzene	9.342

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	86
2	Hexane	86	C6H14	000110-54-3	64
3	Hexane	86	C6H14	000110-54-3	64
4	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	56
5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	56





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

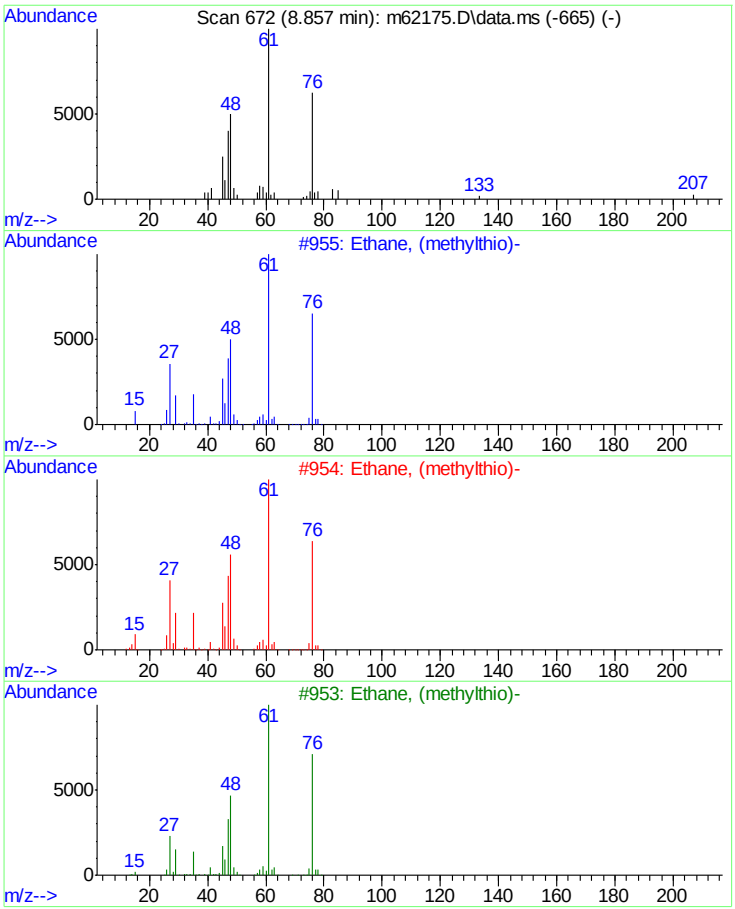
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

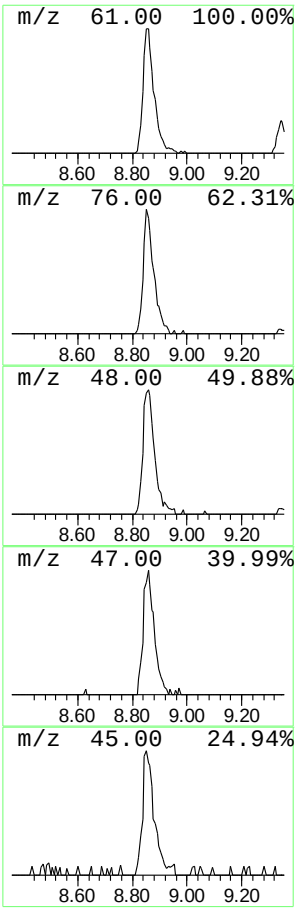
****

Peak Number 10 Ethane, (methylthio)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.857	7.19 ug/kg	105184	pentafluorobenzene	9.342

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, (methylthio)-	76	C3H8S	000624-89-5	95
2	Ethane, (methylthio)-	76	C3H8S	000624-89-5	95
3	Ethane, (methylthio)-	76	C3H8S	000624-89-5	87
4	1-Butanethiol, 4-(methylthio)-	136	C5H12S2	066890-94-6	50
5	Trimethylphosphine	76	C3H9P	000594-09-2	49





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

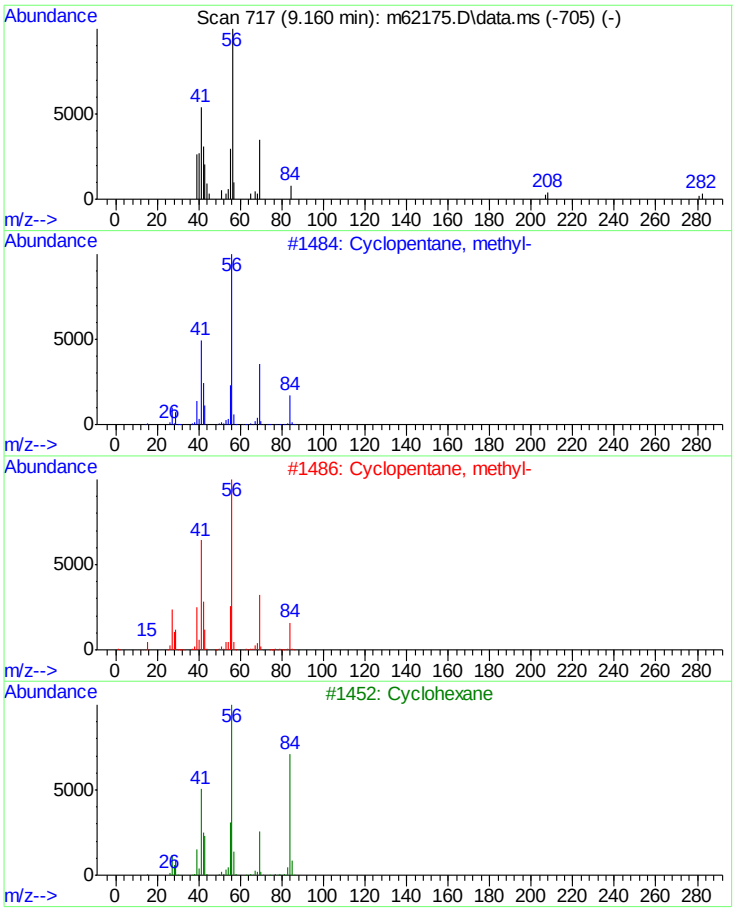
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

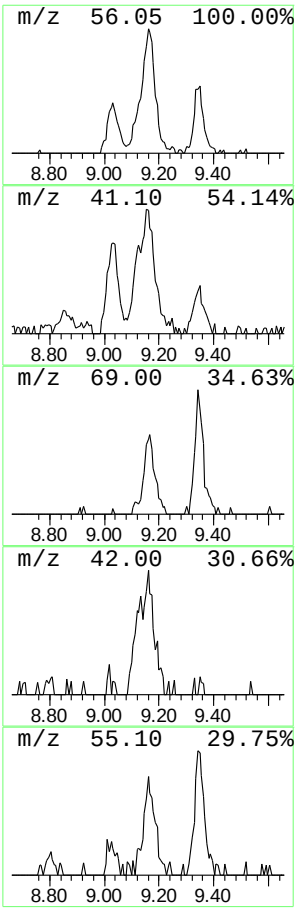
****

Peak Number 11 Cyclopentane, methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.160	7.44 ug/kg	108755	pentafluorobenzene	9.342

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
3	Cyclohexane	84	C6H12	000110-82-7	64
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	59
5	Cyclohexane	84	C6H12	000110-82-7	59





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

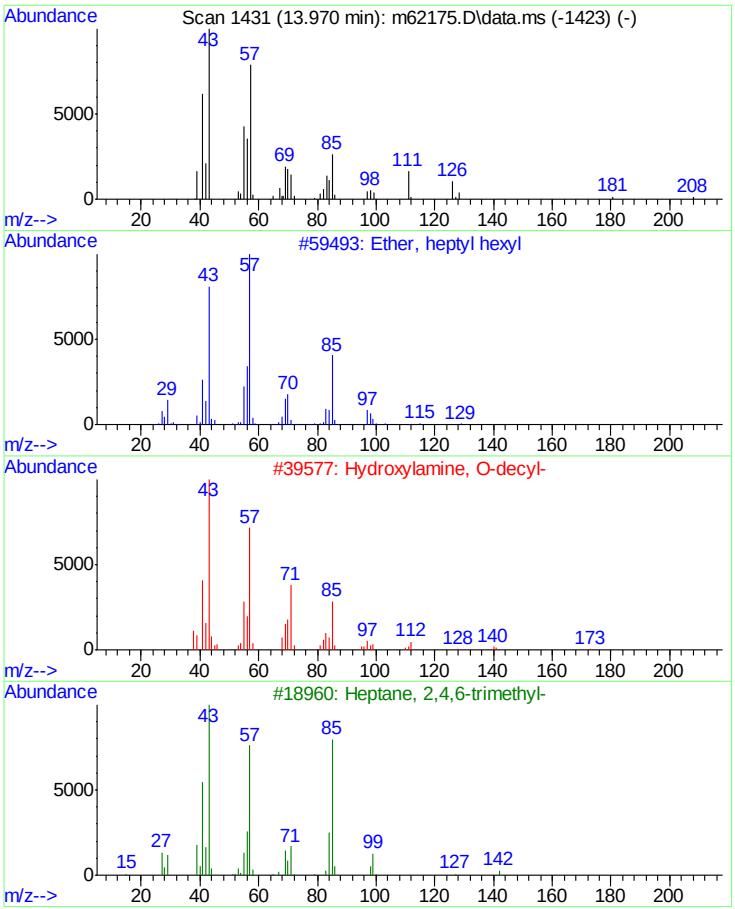
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

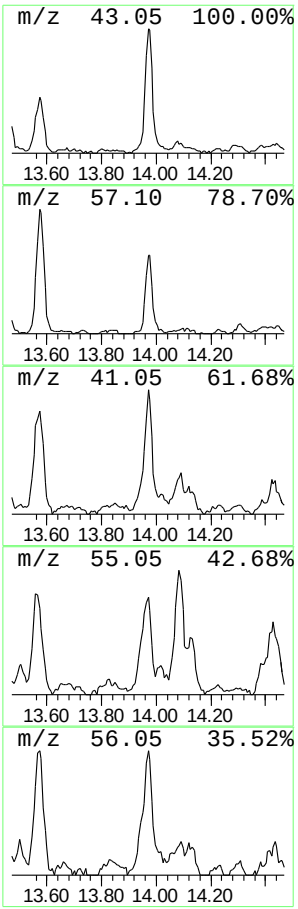
****

Peak Number 12 Ether, heptyl hexyl Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.970	7.80 ug/kg	208420	chlorobenzene-d5	13.505

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether, heptyl hexyl	200	C13H28O	007289-40-9	50
2	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	50
3	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	50
4	Oxalic acid, decyl propyl ester	272	C15H28O4	1000309-26-3	47
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	43





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

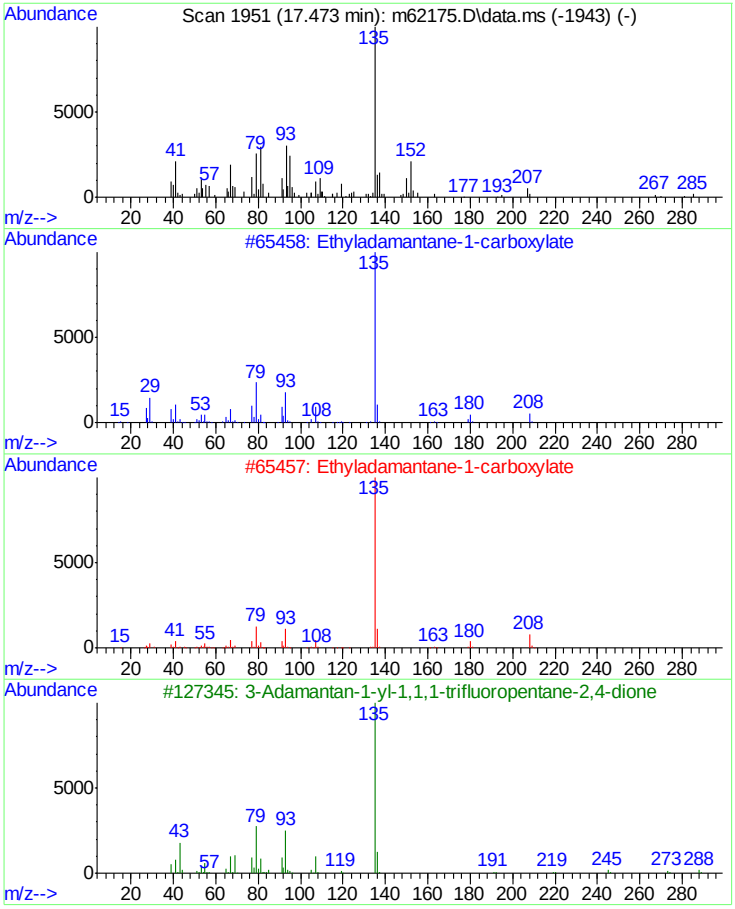
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

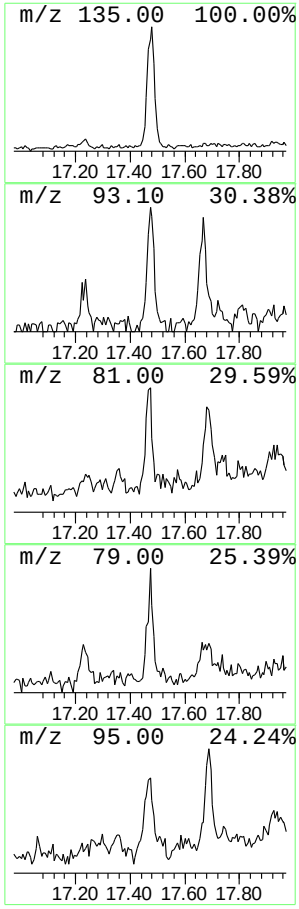
****

Peak Number 13 Ethyladamantane-1-carboxylate Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.473	6.00 ug/kg	157317	1,4-dichlorobenzene-d4	16.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyladamantane-1-carboxylate	208	C13H20O2	002094-73-7	60
2	Ethyladamantane-1-carboxylate	208	C13H20O2	002094-73-7	60
3	3-Adamantan-1-yl-1,1,1-trifluoro...	288	C15H19F3O2	1000311-44-8	53
4	Tricyclo[3.3.1.1(3,7)]decane, 2-...	214	C10H15Br	007314-85-4	50
5	2-Iodoadamantane	262	C10H15I	018971-91-0	49





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

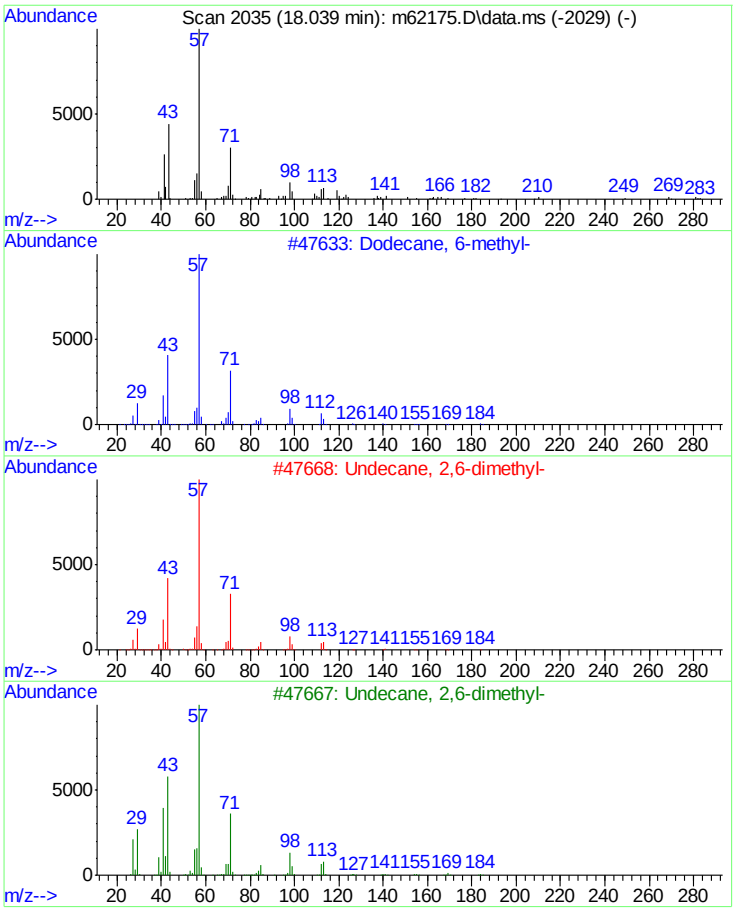
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

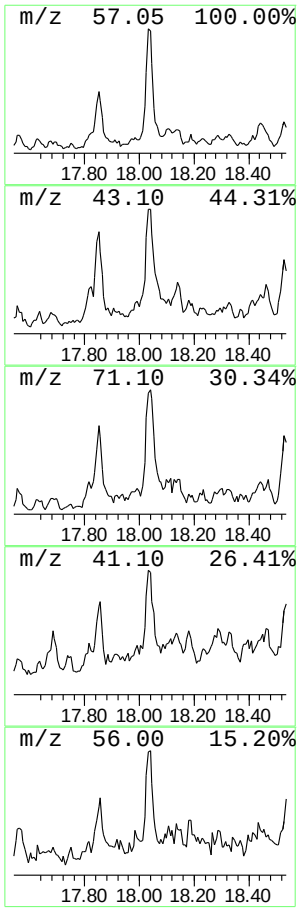
****

Peak Number 14 Dodecane, 6-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.039	14.75 ug/kg	386634	1,4-dichlorobenzene-d4	16.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 6-methyl-	184	C13H28	006044-71-9	80
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	80
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	72
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	59
5	Nonane, 4-methyl-	142	C10H22	017301-94-9	59





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

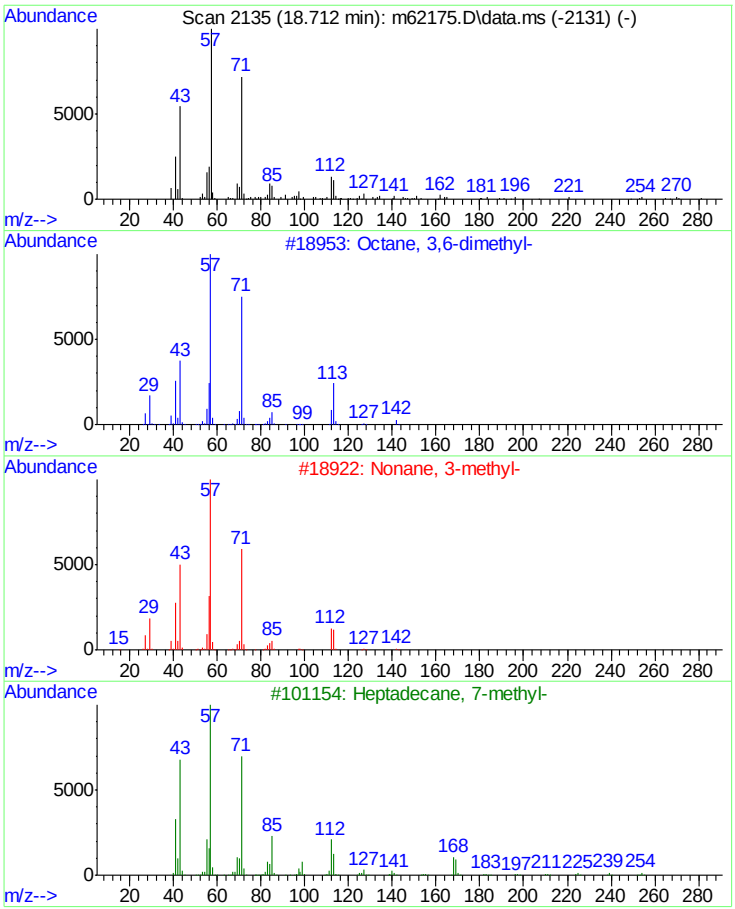
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

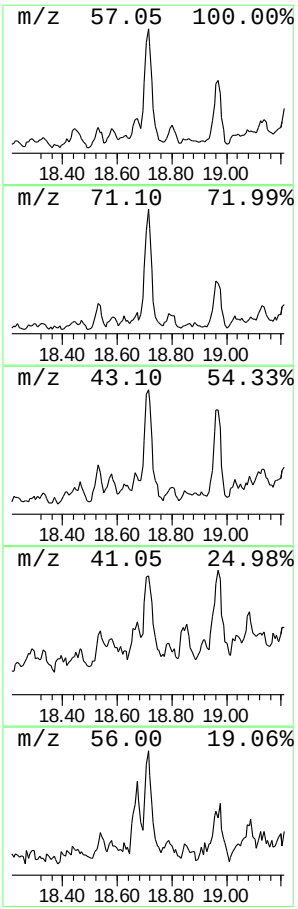
****

Peak Number 15 Octane, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.712	7.38 ug/kg	193567	1,4-dichlorobenzene-d4	16.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	59
3	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	58
4	Bacchotricuneatin c	342	C20H22O5	066563-30-2	53
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62175.D
Acq On : 14 Dec 2013 7:05 am
Operator : krystend
Sample : mc26964-3
Misc : MS30779,MSM2172,4.511,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Isobutane	4.754	22.9	ug/kg	334679	2	9.342	731114	50.0
Butane	5.085	99.0	ug/kg	1447860	2	9.342	731114	50.0
Butane, 2-methyl-	6.068	75.5	ug/kg	1104020	2	9.342	731114	50.0
Pentane	6.486	42.9	ug/kg	627453	2	9.342	731114	50.0
Dimethyl sulfide	6.957	23.5	ug/kg	343842	2	9.342	731114	50.0
Butane, 2,2-dim...	7.200	8.6	ug/kg	125581	2	9.342	731114	50.0
Pentane, 2-methyl-	7.833	35.0	ug/kg	511665	2	9.342	731114	50.0
Pentane, 3-methyl-	8.143	16.7	ug/kg	243906	2	9.342	731114	50.0
Hexane	8.459	15.9	ug/kg	231886	2	9.342	731114	50.0
Ethane, (methyl...	8.857	7.2	ug/kg	105184	2	9.342	731114	50.0
Cyclopentane, m...	9.160	7.4	ug/kg	108755	2	9.342	731114	50.0
Ether, heptyl h...	13.970	7.8	ug/kg	208420	4	13.505	1336710	50.0
Ethyladamantane...	17.473	6.0	ug/kg	157317	5	16.065	1310730	50.0
Dodecane, 6-met...	18.039	14.8	ug/kg	386634	5	16.065	1310730	50.0
Octane, 3,6-dim...	18.712	7.4	ug/kg	193567	5	16.065	1310730	50.0

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/16/13 14:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134065.D
Acq On : 13 Dec 2013 5:59 pm
Operator : jaimem
Sample : mc26964-6
Misc : MS30768,MSG5173,12.689,,100,10,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 16 07:34:10 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

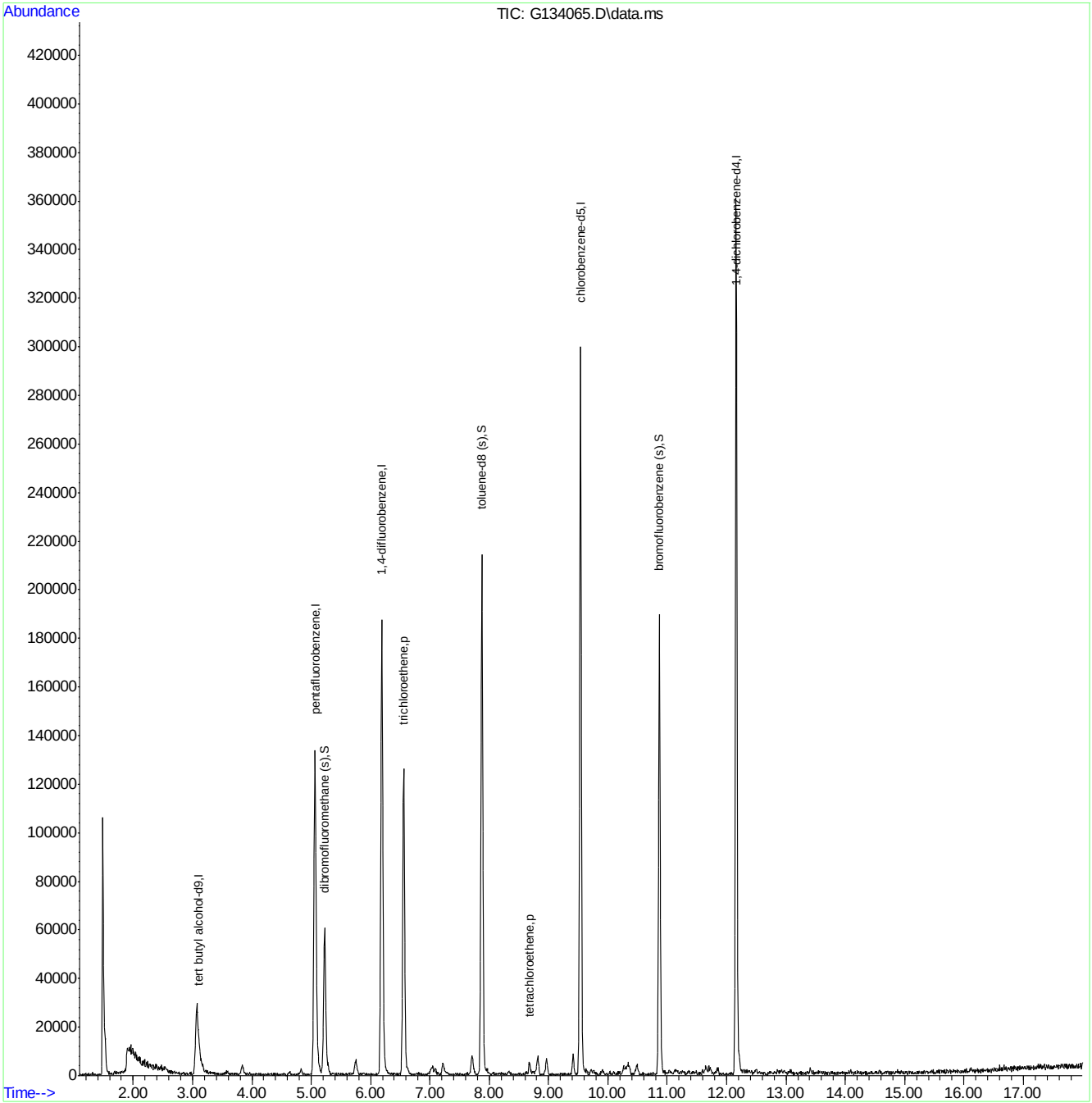
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.095	65	69954	500.00	ppb	0.00
4) pentafluorobenzene	5.067	168	119752	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.192	114	185524	50.00	ppb	0.00
66) chlorobenzene-d5	9.538	82	102856	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.162	152	101491	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	5.228	113	46737	55.97	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.94%			
60) toluene-d8 (s)	7.877	98	173416	53.07	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.14%			
82) bromofluorobenzene (s)	10.867	95	70814	47.36	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.72%			
Target Compounds						Qvalue
51) trichloroethene	6.558	95	51877	52.62	ppb	86
67) tetrachloroethene	8.677	166	1482m	1.39	ppb	

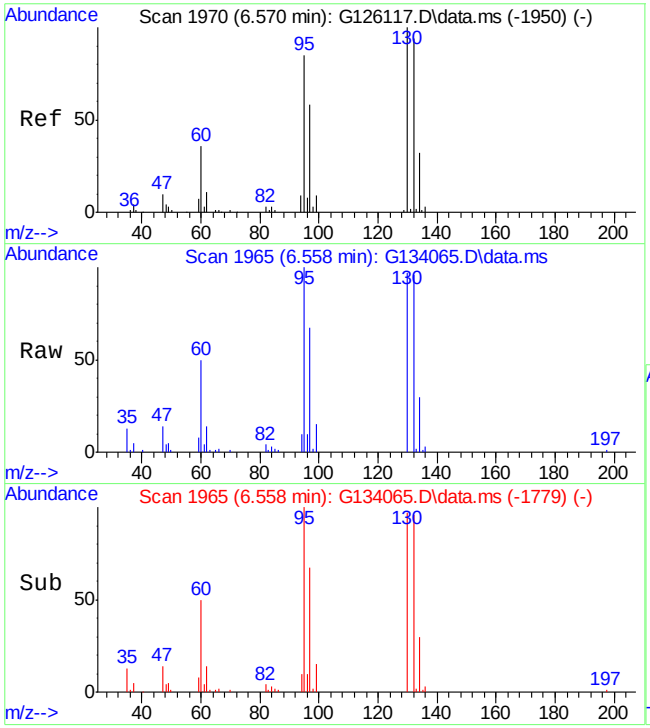
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134065.D
Acq On : 13 Dec 2013 5:59 pm
Operator : jaimem
Sample : mc26964-6
Misc : MS30768,MSG5173,12.689,,100,10,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 16 07:34:10 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

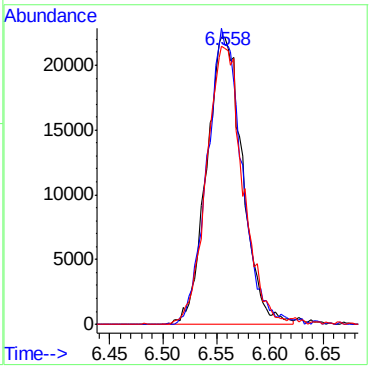


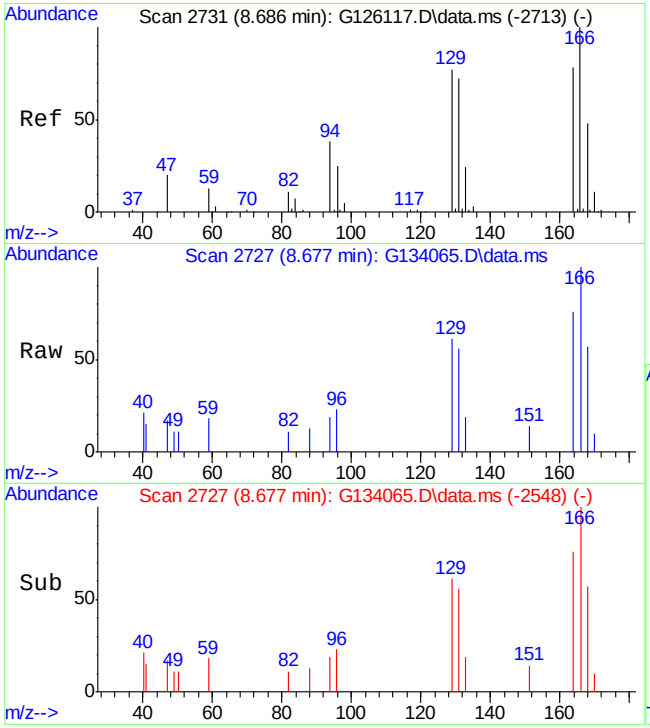


#51
trichloroethene
Concen: 52.62 ppb
RT: 6.558 min Scan# 1965
Delta R.T. -0.001 min
Lab File: G134065.D
Acq: 13 Dec 13 5:59 pm

Tgt Ion: 95 Resp: 51877

Ion	Ratio	Lower	Upper
95	100		
130	97.1	85.7	145.7
132	96.1	78.0	138.0

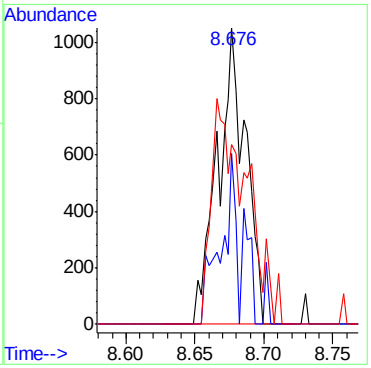




#67
tetrachloroethene
Concen: 1.39 ppb m
RT: 8.677 min Scan# 2727
Delta R.T. -0.001 min
Lab File: G134065.D
Acq: 13 Dec 13 5:59 pm

Tgt Ion:166 Resp: 1482

Ion	Ratio	Lower	Upper
166	100		
168	57.4	15.8	75.8
129	60.7	47.3	107.3



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134065.D
Acq On : 13 Dec 2013 5:59 pm
Operator : jaimem
Sample : mc26964-6
Misc : MS30768,MSG5173,12.689,,100,10,1
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\g131025s.m
Title : SW-846 Method 8260

Signal : TIC: G134065.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.064	1396	1428	1466	rBV3	133262	360224	55.12%	10.804%
2	5.226	1466	1486	1531	rVB3	60285	160431	24.55%	4.812%
3	6.191	1801	1833	1886	rBV2	187840	450344	68.91%	13.507%
4	6.558	1926	1965	2021	rBV5	126210	302988	46.36%	9.088%
5	7.876	2411	2439	2491	rBV	214113	469040	71.77%	14.068%
6	9.539	3016	3037	3086	rBV2	299497	575883	88.12%	17.273%
7	10.866	3481	3514	3551	rBV5	189306	361679	55.35%	10.848%
8	12.162	3961	3980	4016	rBV2	360814	653487	100.00%	19.600%

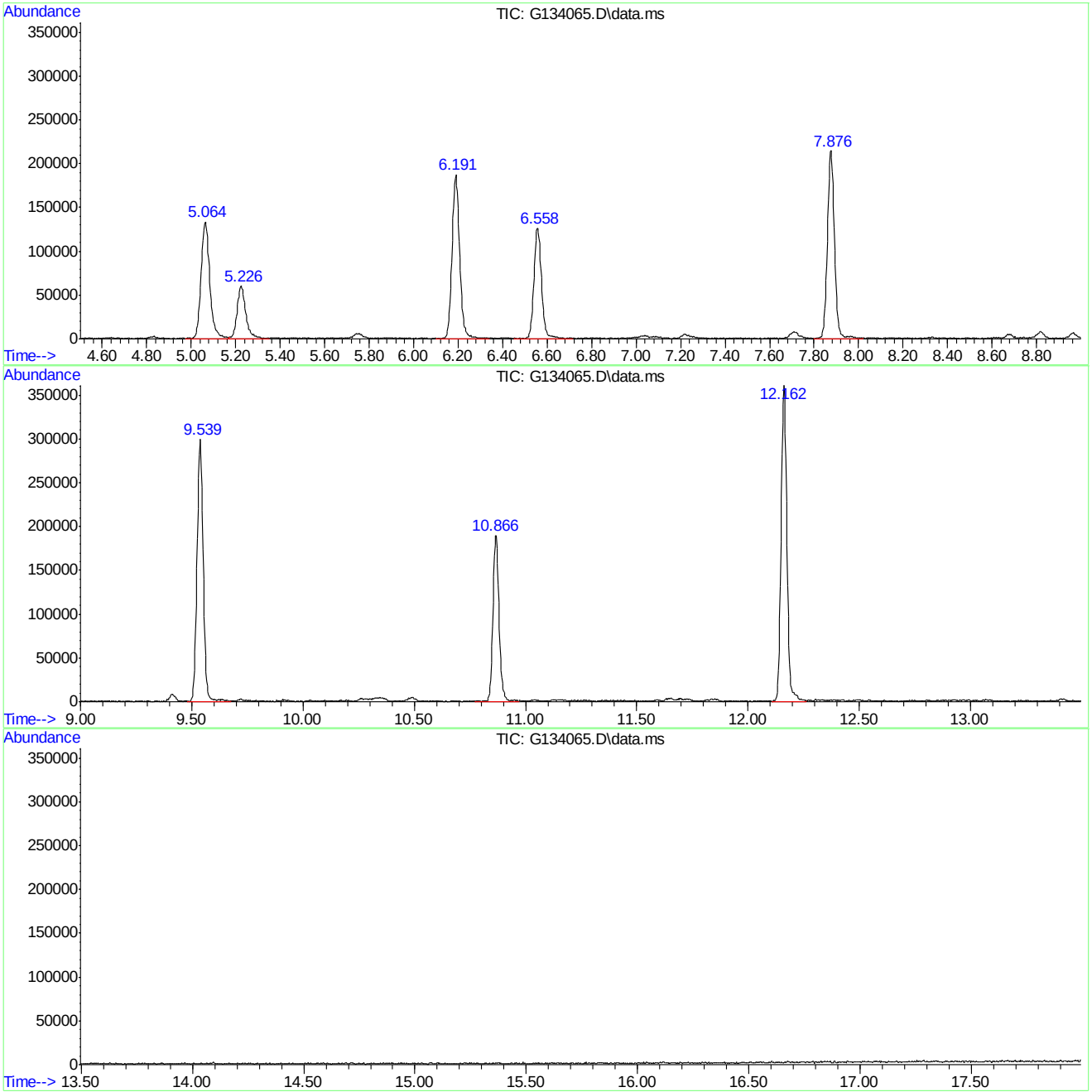
Sum of corrected areas: 3334076

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134065.D
Acq On : 13 Dec 2013 5:59 pm
Operator : jaimem
Sample : mc26964-6
Misc : MS30768,MSG5173,12.689,,100,10,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134065.D
Acq On : 13 Dec 2013 5:59 pm
Operator : jaimem
Sample : mc26964-6
Misc : MS30768,MSG5173,12.689,,100,10,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134065.D
Acq On : 13 Dec 2013 5:59 pm
Operator : jaimem
Sample : mc26964-6
Misc : MS30768,MSG5173,12.689,,100,10,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134066.D
Acq On : 13 Dec 2013 6:28 pm
Operator : jaimem
Sample : mc26964-7
Misc : MS30768,MSG5173,10.031,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 16 07:34:38 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

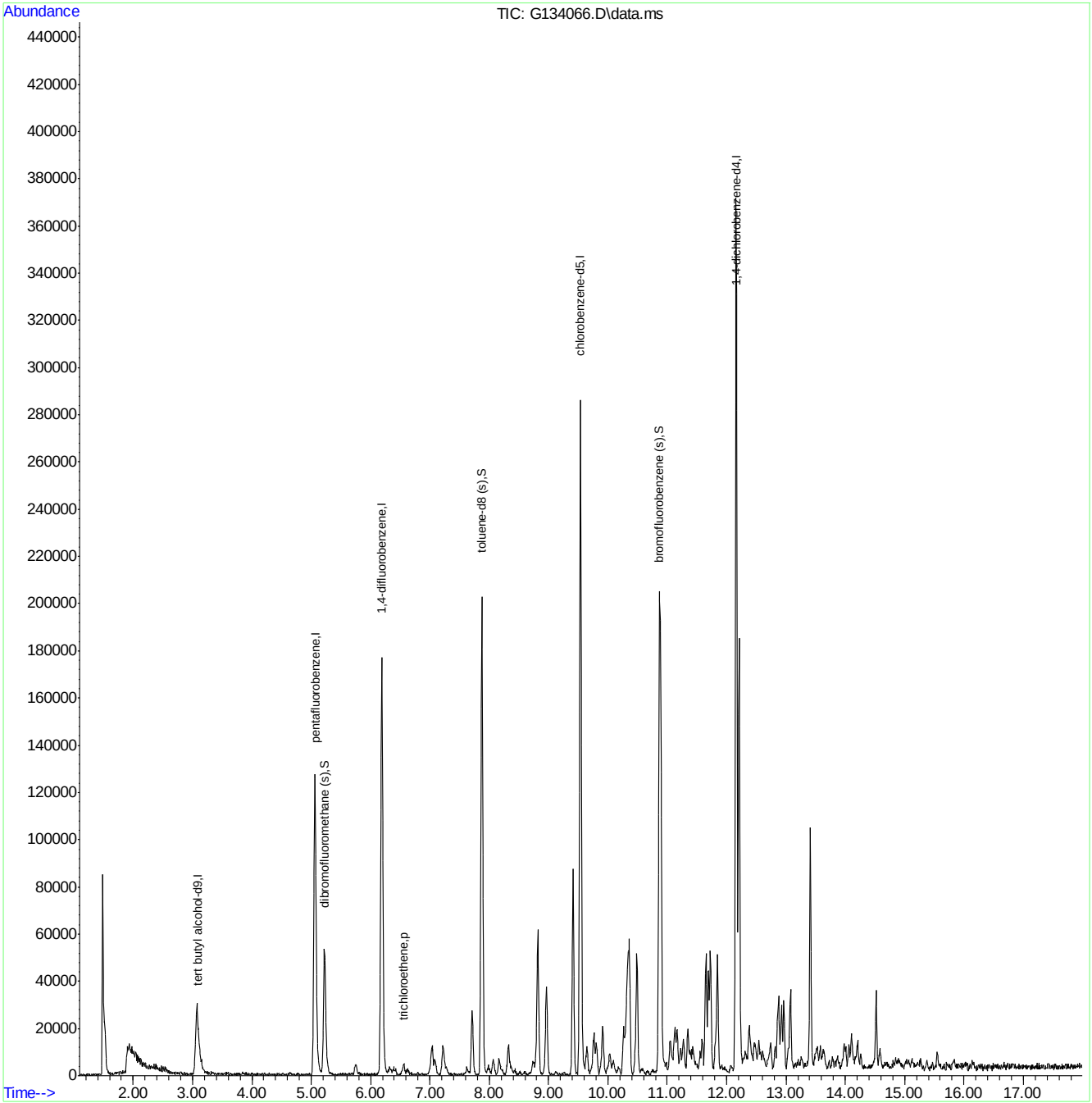
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.091	65	67337	500.00	ppb	0.00
4) pentafluorobenzene	5.066	168	115151	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.192	114	181436	50.00	ppb	0.00
66) chlorobenzene-d5	9.537	82	103044	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.162	152	104938	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	5.227	113	41559	51.76	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.52%			
60) toluene-d8 (s)	7.876	98	168310	52.66	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.32%			
82) bromofluorobenzene (s)	10.867	95	68426	44.26	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 88.52%			
Target Compounds						Qvalue
51) trichloroethene	6.557	95	2001	2.08	ppb	79

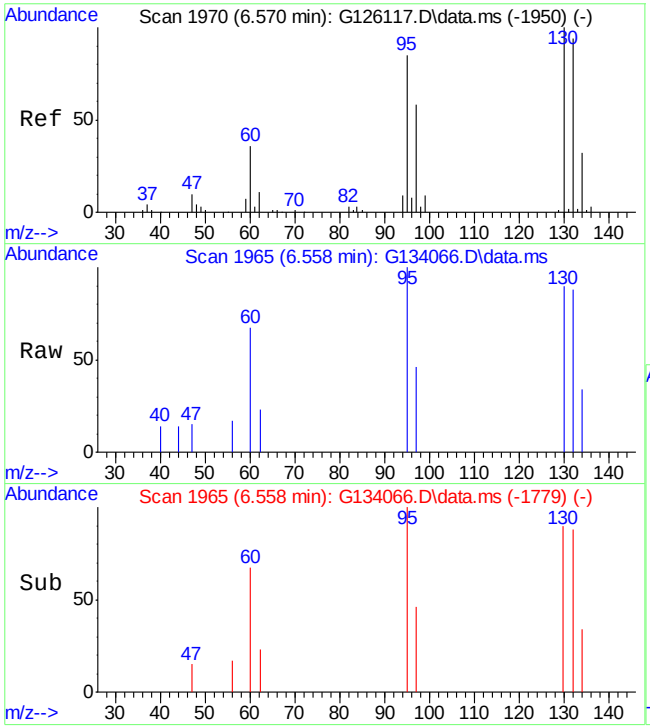
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134066.D
Acq On : 13 Dec 2013 6:28 pm
Operator : jaimem
Sample : mc26964-7
Misc : MS30768,MSG5173,10.031,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 16 07:34:38 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

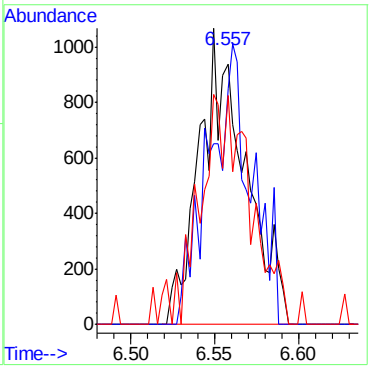




#51
trichloroethene
Concen: 2.08 ppb
RT: 6.557 min Scan# 1965
Delta R.T. -0.003 min
Lab File: G134066.D
Acq: 13 Dec 13 6:28 pm

Tgt Ion: 95 Resp: 2001

Ion	Ratio	Lower	Upper
95	100		
130	90.3	85.7	145.7
132	87.7	78.0	138.0



7.1.5

7

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134066.D
Acq On : 13 Dec 2013 6:28 pm
Operator : jaimem
Sample : mc26964-7
Misc : MS30768,MSG5173,10.031,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\g131025s.m
Title : SW-846 Method 8260

Signal : TIC: G134066.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.064	1381	1428	1466	rBV2	127365	350690	53.31%	6.677%
2	5.223	1466	1485	1536	rVB4	53566	149494	22.73%	2.846%
3	6.188	1796	1832	1866	rBV3	177200	437379	66.49%	8.328%
4	7.036	2101	2137	2176	rBV7	12671	51064	7.76%	0.972%
5	7.712	2361	2380	2411	rVB4	27246	61846	9.40%	1.178%
6	7.876	2411	2439	2466	rBV3	202575	447510	68.03%	8.521%
7	8.819	2716	2778	2801	rBV5	61811	159430	24.24%	3.036%
8	8.966	2801	2831	2861	rVB5	37401	90909	13.82%	1.731%
9	9.414	2956	2992	3011	rBV3	87426	168718	25.65%	3.212%
10	9.536	3011	3036	3061	rBV2	285413	576227	87.60%	10.971%
11	9.762	3091	3117	3146	rVB7	17375	67409	10.25%	1.283%
12	10.357	3281	3331	3351	rBV7	57206	266206	40.47%	5.069%
13	10.487	3351	3378	3396	rBV2	50928	116170	17.66%	2.212%
14	10.868	3491	3515	3566	rBV5	204067	625092	95.03%	11.902%
15	11.653	3781	3797	3806	rBV4	44302	85147	12.94%	1.621%
16	11.725	3806	3823	3841	rVB4	49122	149609	22.74%	2.849%
17	11.847	3841	3867	3891	rVB4	47754	101369	15.41%	1.930%
18	12.162	3961	3980	3991	rBV2	368689	657774	100.00%	12.524%
19	12.209	3991	3997	4021	rVB2	178984	282589	42.96%	5.380%
20	12.876	4201	4237	4246	rBV8	31093	93484	14.21%	1.780%
21	13.079	4281	4310	4326	rVB6	33518	80912	12.30%	1.541%
22	13.413	4401	4430	4446	rBV2	100765	169402	25.75%	3.225%
23	14.520	4791	4828	4841	rBV7	33387	63685	9.68%	1.213%

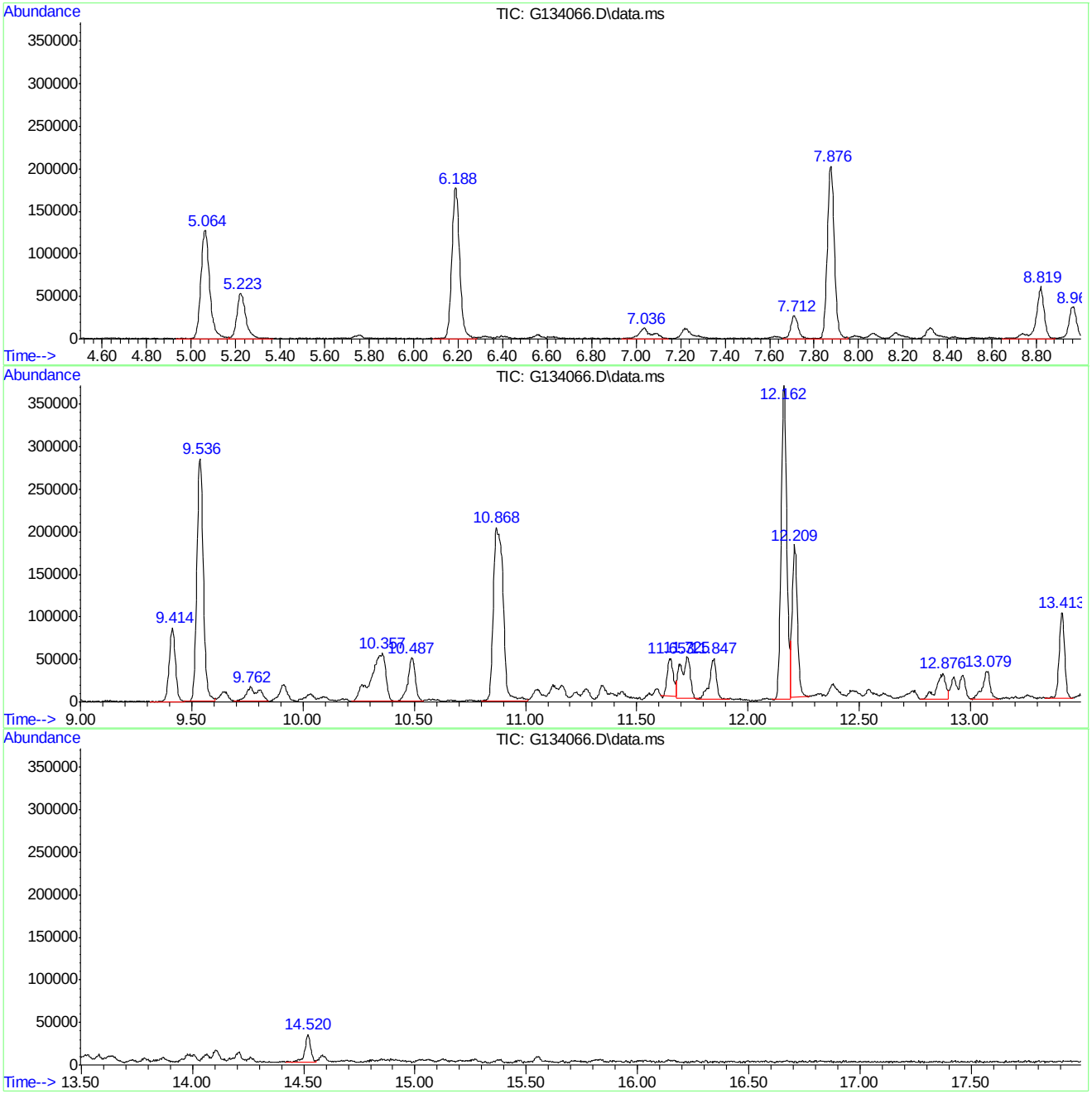
Sum of corrected areas: 5252115

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134066.D
Acq On : 13 Dec 2013 6:28 pm
Operator : jaimem
Sample : mc26964-7
Misc : MS30768,MSG5173,10.031,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134066.D
Acq On : 13 Dec 2013 6:28 pm
Operator : jaimem
Sample : mc26964-7
Misc : MS30768,MSG5173,10.031,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

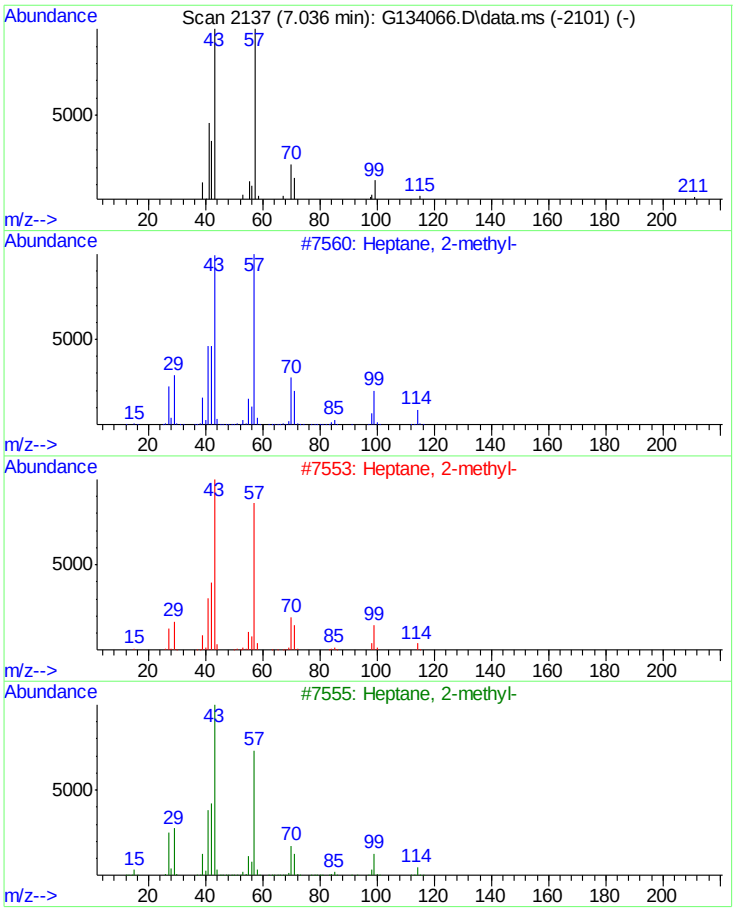
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

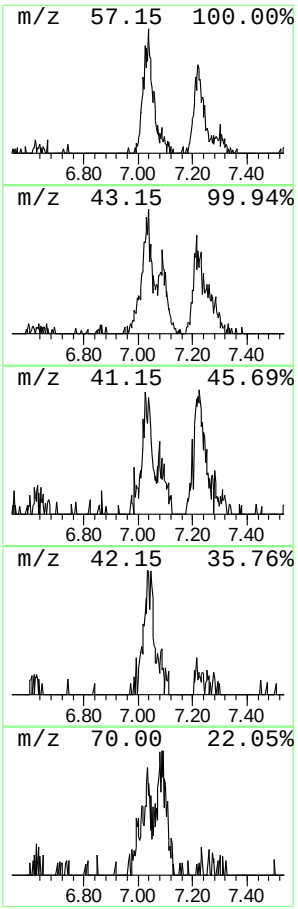
****

Peak Number 1 Heptane, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.036	5.84 ppb	51064	1,4-difluorobenzene	6.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	78
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	78
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	64
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	59
5	Heptane, 3,3-dimethyl-	128	C9H20	004032-86-4	42





Library Search Compound Report

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Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134066.D
Acq On    : 13 Dec 2013   6:28 pm
Operator  : jaimem
Sample    : mc26964-7
Misc      : MS30768,MSG5173,10.031,,100,10,1
ALS Vial  : 23   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title  : SW-846 Method 8260

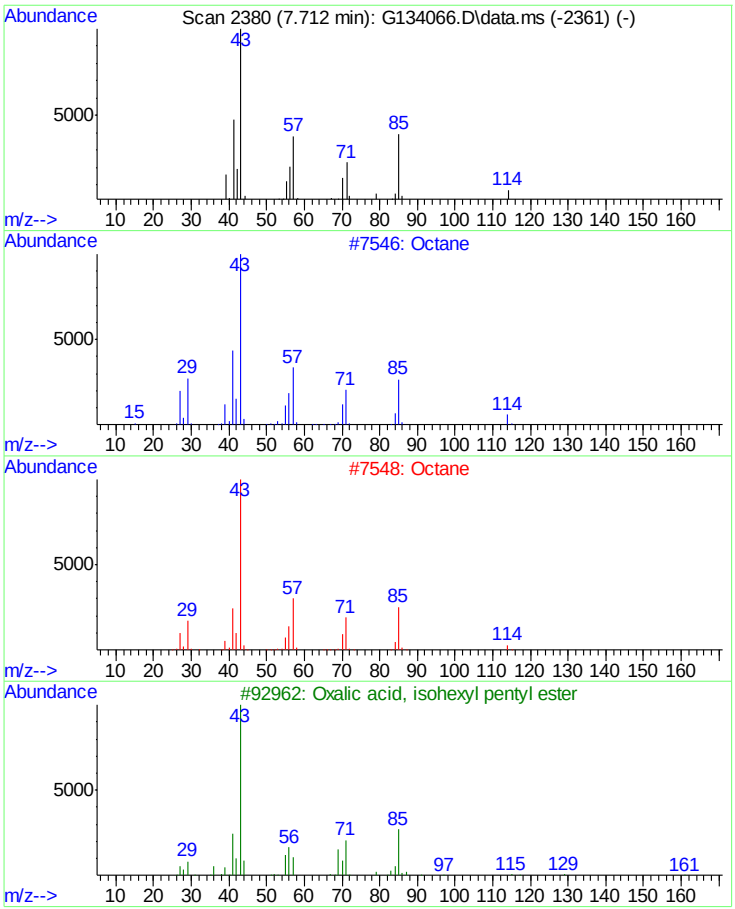
TIC Library   : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P
```

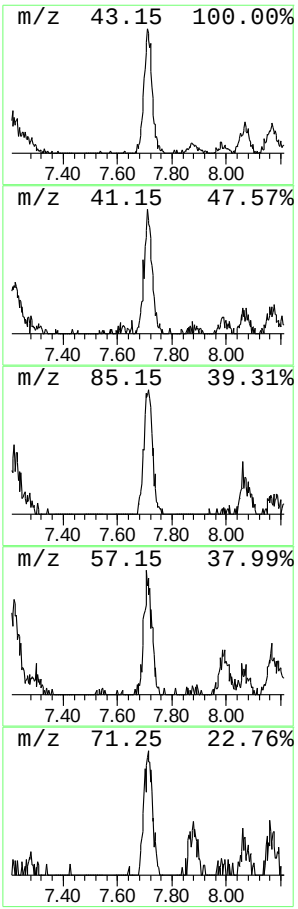
****

Peak Number 2 Octane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.712	7.07 ppb	61846	1,4-difluorobenzene	6.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	90
2	Octane	114	C8H18	000111-65-9	87
3	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	64
4	Octane	114	C8H18	000111-65-9	52
5	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	50





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134066.D
Acq On : 13 Dec 2013 6:28 pm
Operator : jaimem
Sample : mc26964-7
Misc : MS30768,MSG5173,10.031,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

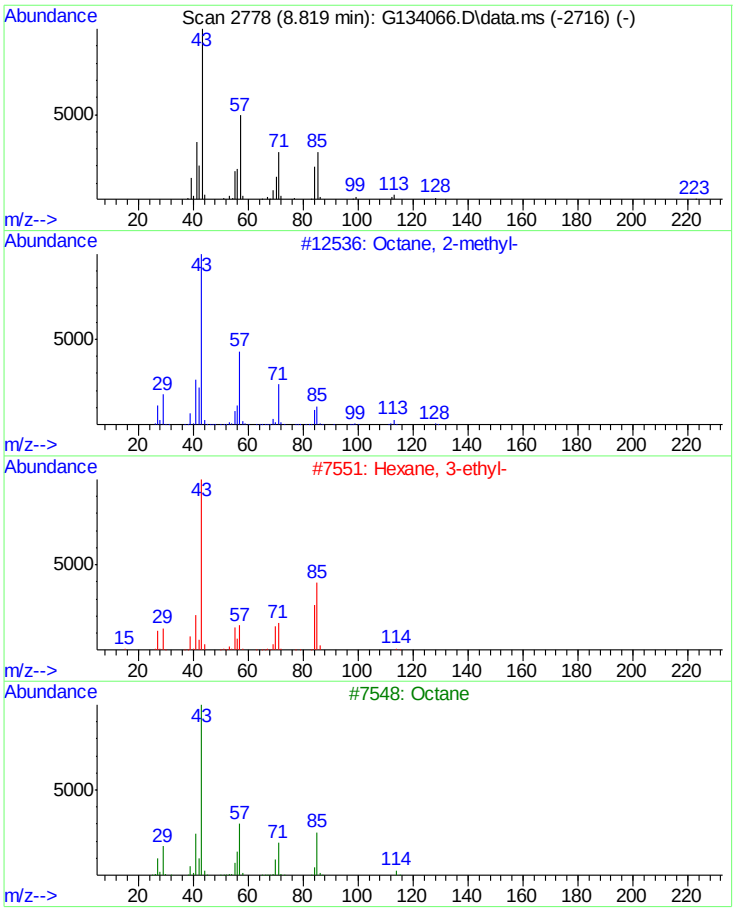
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

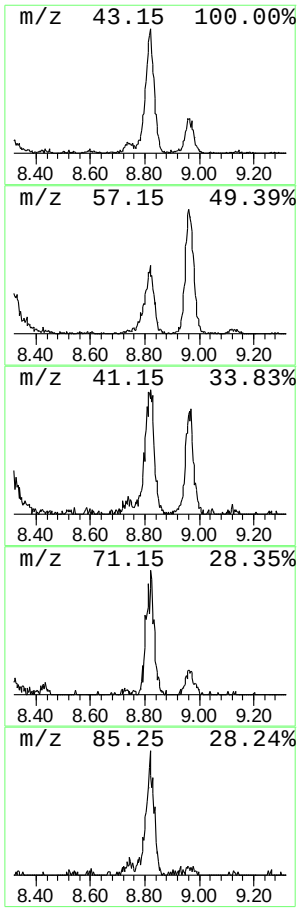
****

Peak Number 3 Octane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.819	13.83 ppb	159430	chlorobenzene-d5	9.537

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	64
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	59
3	Octane	114	C8H18	000111-65-9	59
4	Octane	114	C8H18	000111-65-9	59
5	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	53





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134066.D
Acq On : 13 Dec 2013 6:28 pm
Operator : jaimem
Sample : mc26964-7
Misc : MS30768,MSG5173,10.031,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

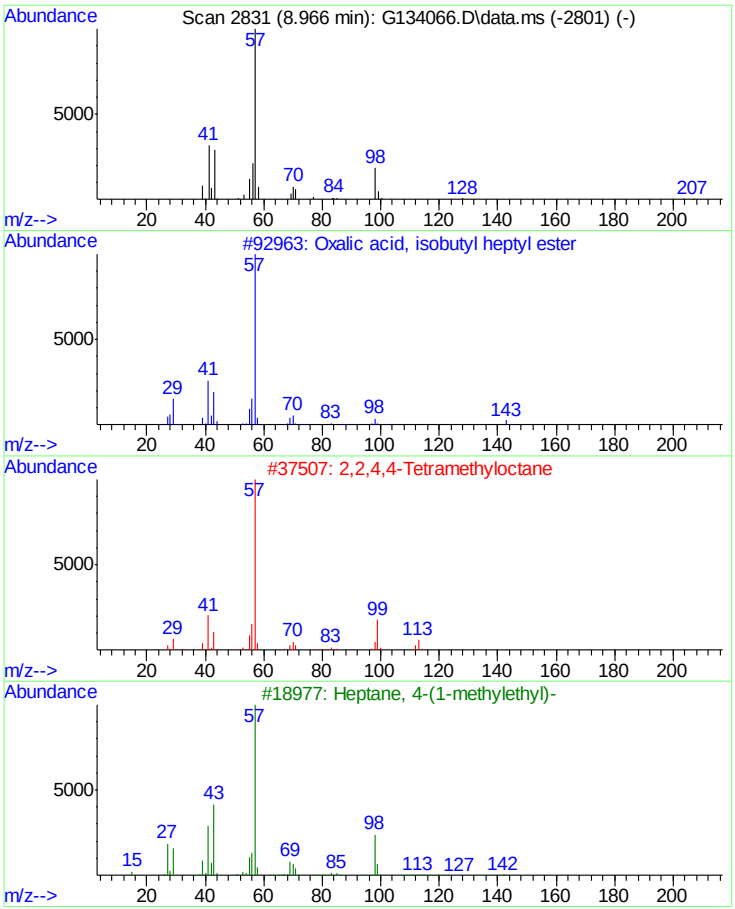
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

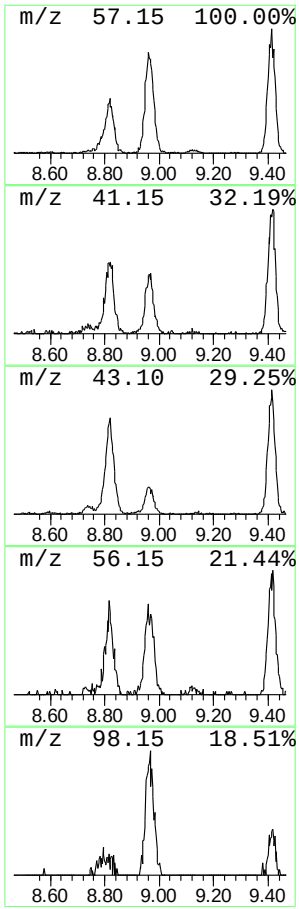
****

Peak Number 4 Oxalic acid, isobutyl hepty... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.966	7.89 ppb	90909	chlorobenzene-d5	9.537

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl heptyl ester	244	C13H24O4	1000309-37-2	59
2	2,2,4,4-Tetramethyloctane	170	C12H26	062183-79-3	59
3	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	59
4	Undecane, 6-methyl-	170	C12H26	017302-33-9	53
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	53





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134066.D
Acq On : 13 Dec 2013 6:28 pm
Operator : jaimem
Sample : mc26964-7
Misc : MS30768,MSG5173,10.031,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

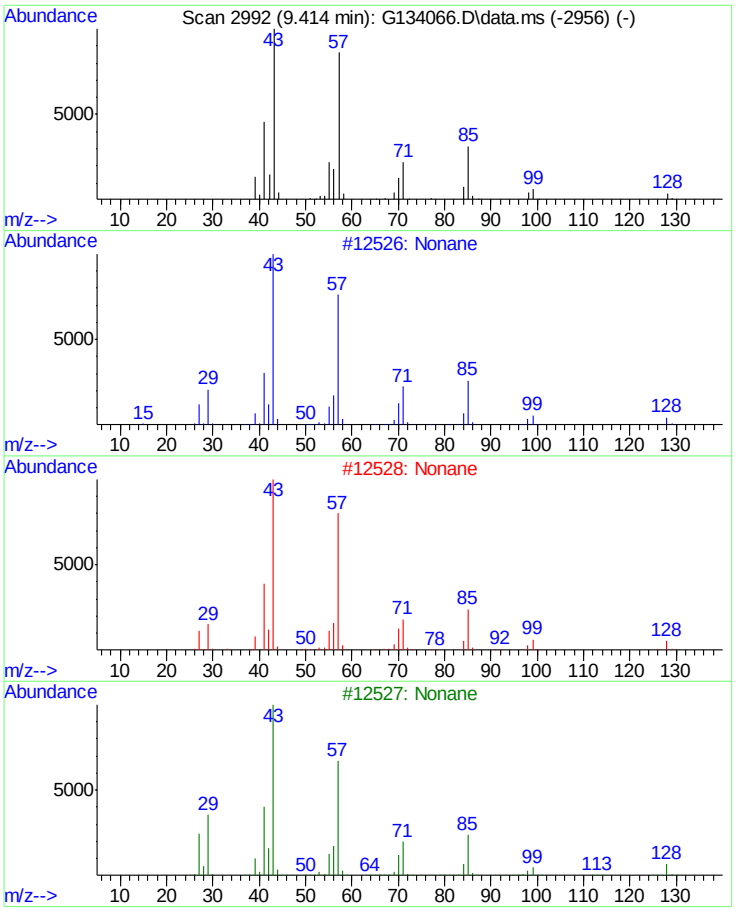
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

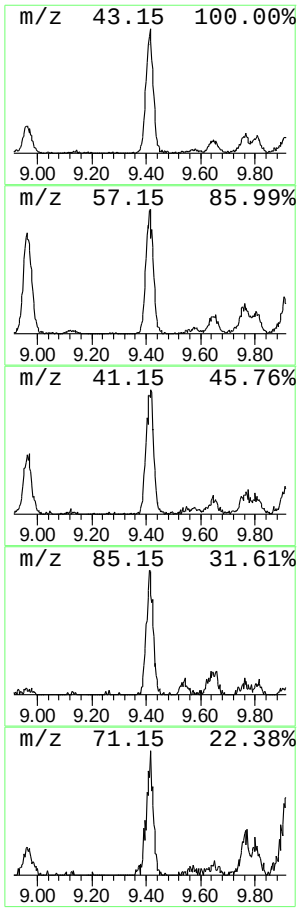
****

Peak Number 5 Nonane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.414	14.64 ppb	168718	chlorobenzene-d5	9.537

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	95
2	Nonane	128	C9H20	000111-84-2	91
3	Nonane	128	C9H20	000111-84-2	83
4	Hexadecane	226	C16H34	000544-76-3	64
5	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	64





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134066.D
Acq On : 13 Dec 2013 6:28 pm
Operator : jaimem
Sample : mc26964-7
Misc : MS30768,MSG5173,10.031,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

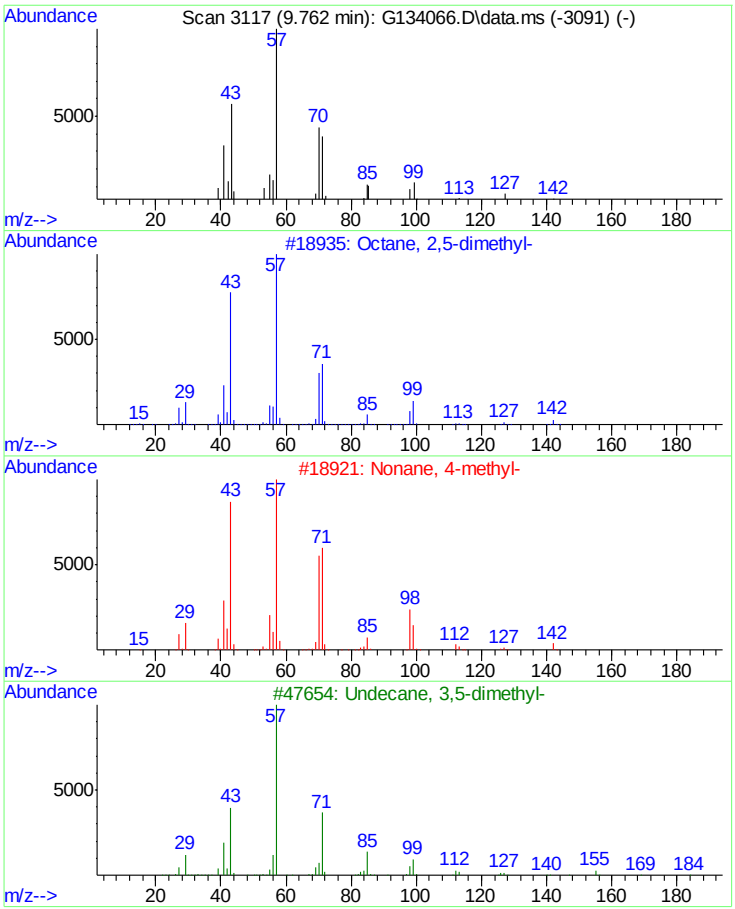
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

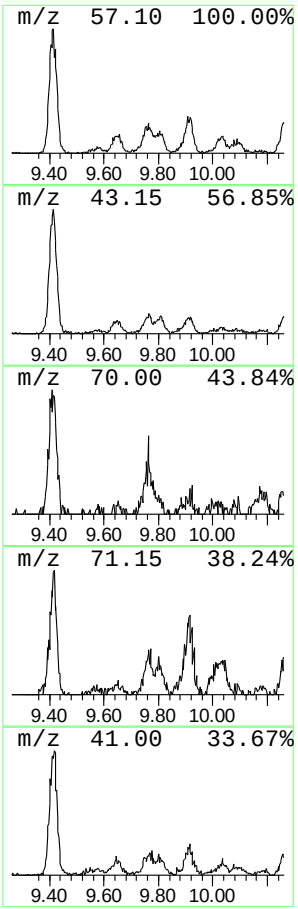
****

Peak Number 6 Octane, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.762	5.85 ppb	67409	chlorobenzene-d5	9.537

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	64
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	58
3	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	50
4	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	47
5	Undecane, 5,5-dimethyl-	184	C13H28	017312-73-1	47





Library Search Compound Report

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Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134066.D
Acq On    : 13 Dec 2013   6:28 pm
Operator  : jaimem
Sample    : mc26964-7
Misc      : MS30768,MSG5173,10.031,,100,10,1
ALS Vial  : 23   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title  : SW-846 Method 8260

TIC Library   : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P
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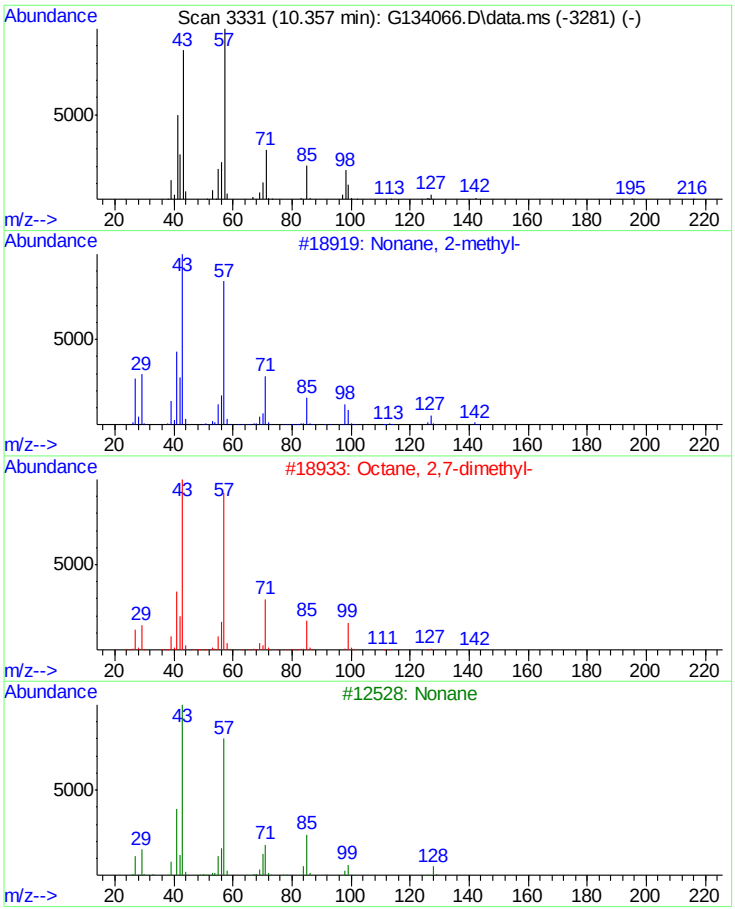
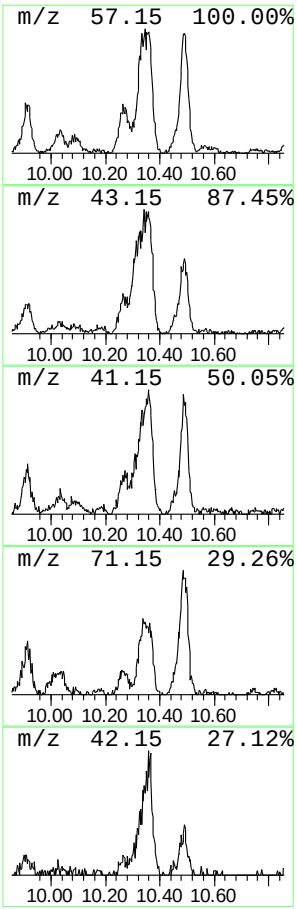
****

Peak Number 7 Nonane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.357	23.10 ppb	266206	chlorobenzene-d5	9.537

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-	142	C10H22	000871-83-0	86
2	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	64
3	Nonane	128	C9H20	000111-84-2	53
4	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	53
5	1-Iodoundecane	282	C11H23I	004282-44-4	50





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134066.D
Acq On : 13 Dec 2013 6:28 pm
Operator : jaimem
Sample : mc26964-7
Misc : MS30768,MSG5173,10.031,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

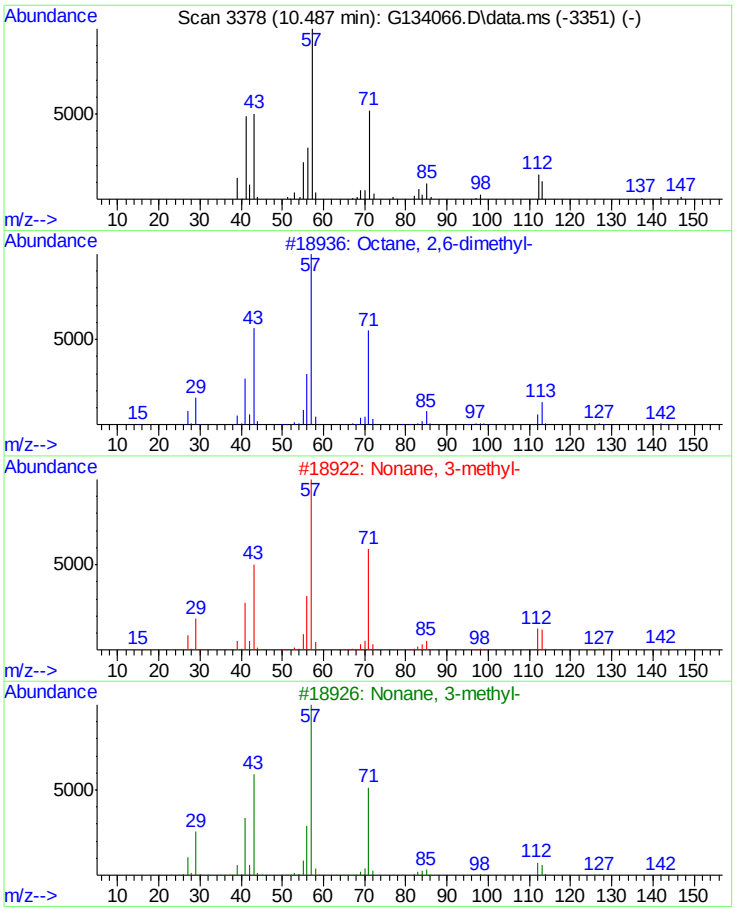
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

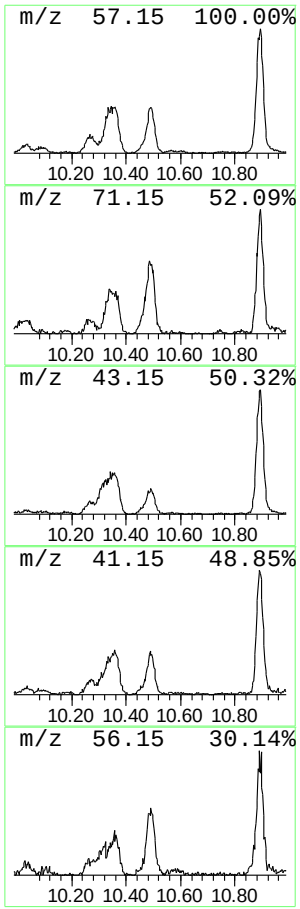
****

Peak Number 8 Octane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.487	10.08 ppb	116170	chlorobenzene-d5	9.537

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	87
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	81
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134066.D
Acq On : 13 Dec 2013 6:28 pm
Operator : jaimem
Sample : mc26964-7
Misc : MS30768,MSG5173,10.031,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

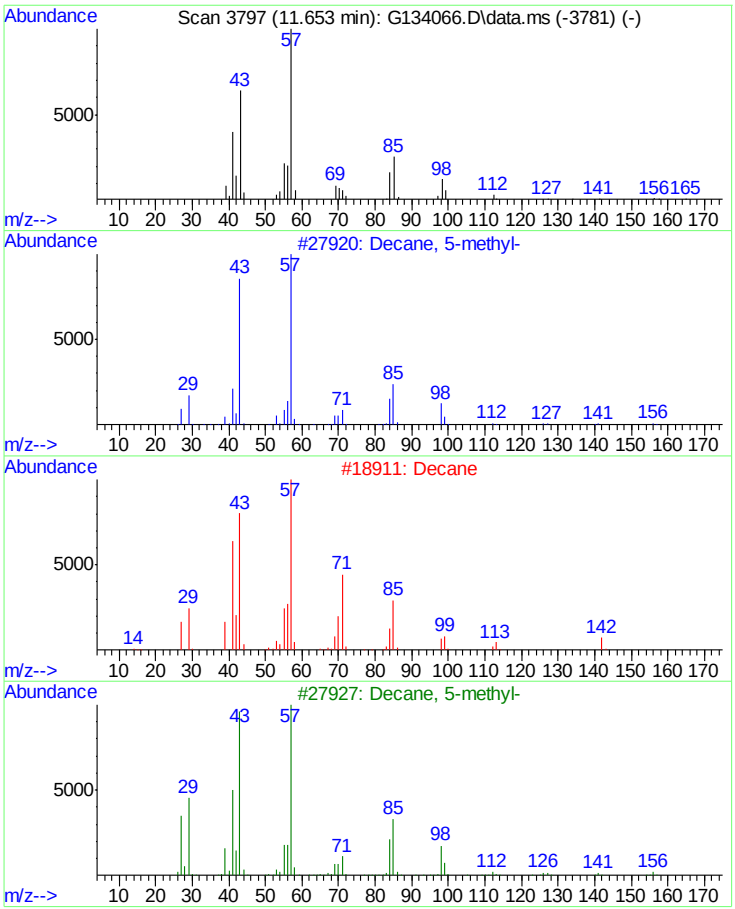
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

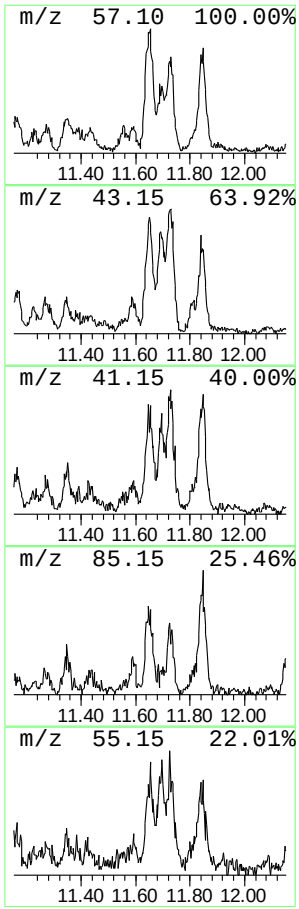
****

Peak Number 9 Decane, 5-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.653	6.47 ppb	85147	1,4-dichlorobenzene-d4	12.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-	156	C11H24	013151-35-4	81
2	Decane	142	C10H22	000124-18-5	78
3	Decane, 5-methyl-	156	C11H24	013151-35-4	76
4	Hexane, 1-(hexyloxy)-4-methyl-	200	C13H28O	074421-20-8	64
5	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	64





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134066.D
Acq On : 13 Dec 2013 6:28 pm
Operator : jaimem
Sample : mc26964-7
Misc : MS30768,MSG5173,10.031,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

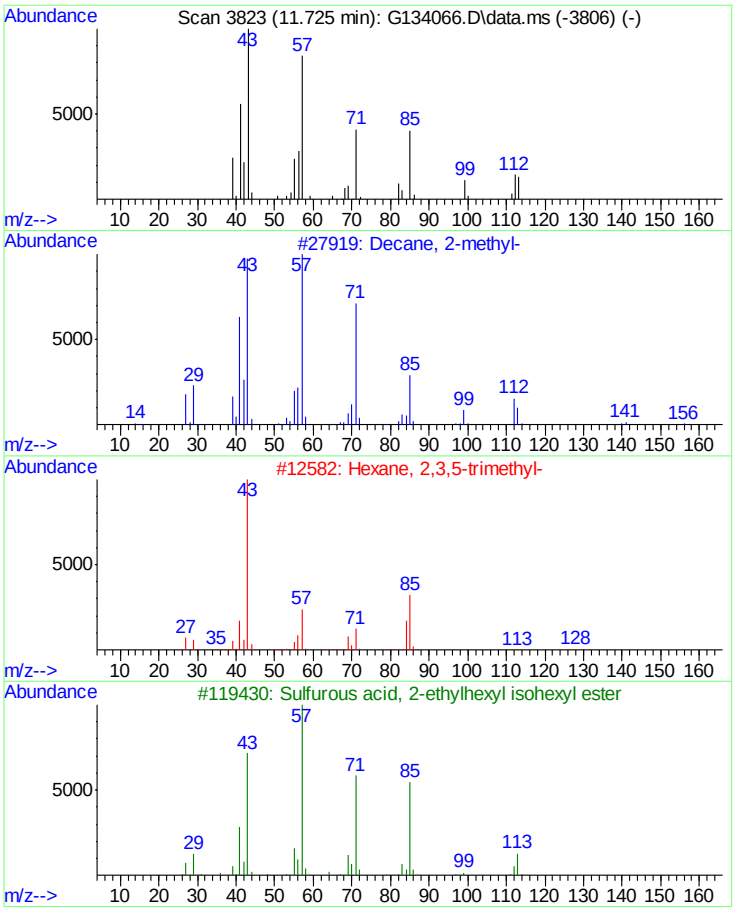
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

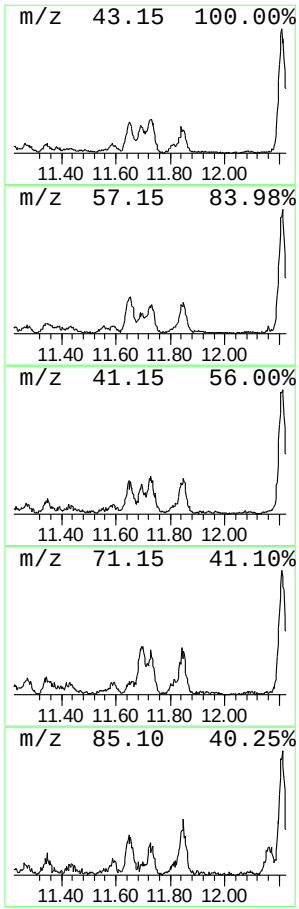
****

Peak Number 10 Decane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.725	11.37 ppb	149609	1,4-dichlorobenzene-d4	12.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	59
2	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	53
3	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	50
4	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	50
5	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	47





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134066.D
Acq On : 13 Dec 2013 6:28 pm
Operator : jaimem
Sample : mc26964-7
Misc : MS30768,MSG5173,10.031,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

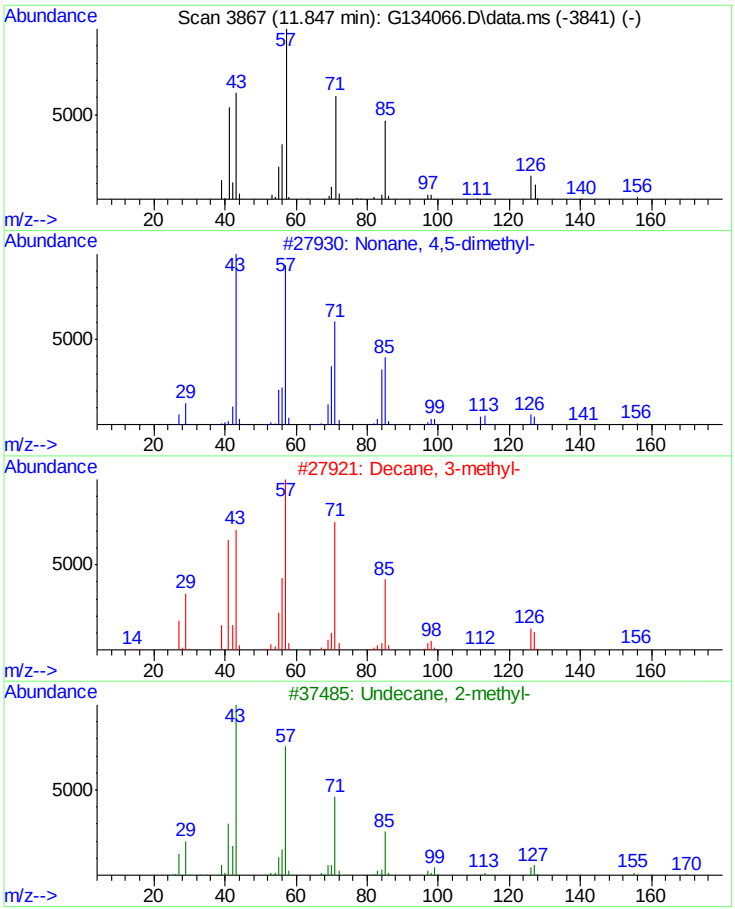
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

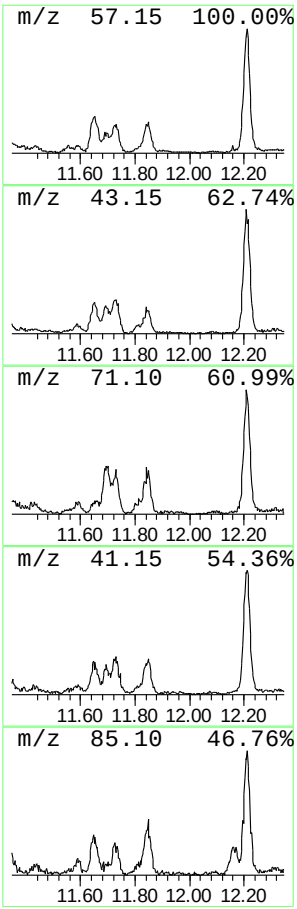
****

Peak Number 11 Nonane, 4,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.847	7.71 ppb	101369	1,4-dichlorobenzene-d4	12.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	80
2	Decane, 3-methyl-	156	C11H24	013151-34-3	80
3	Undecane, 2-methyl-	170	C12H26	007045-71-8	72
4	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	72
5	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	72





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134066.D
Acq On : 13 Dec 2013 6:28 pm
Operator : jaimem
Sample : mc26964-7
Misc : MS30768,MSG5173,10.031,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

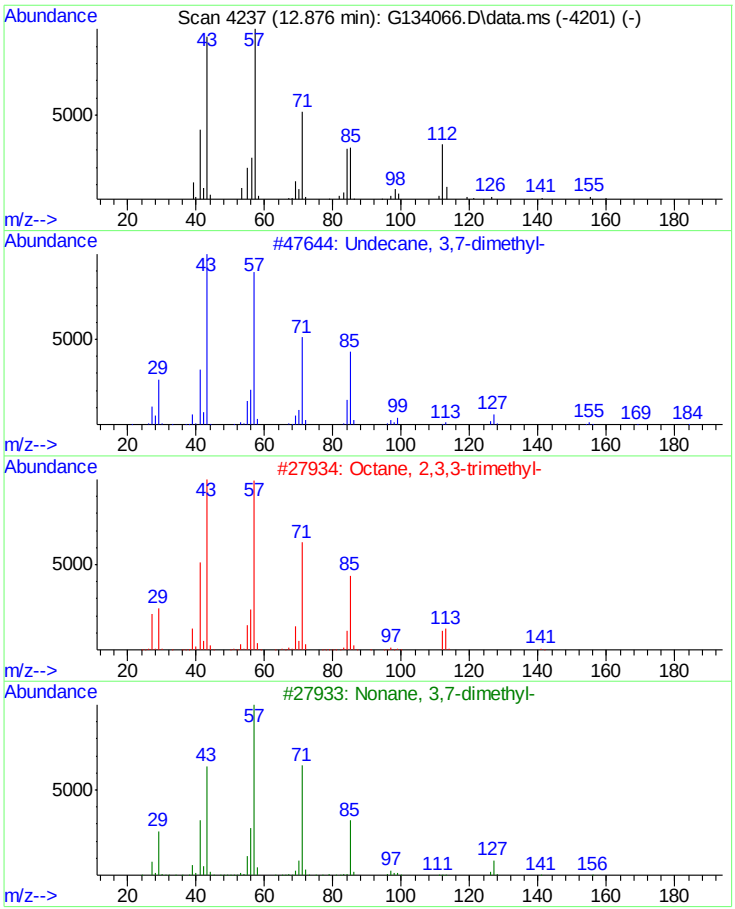
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

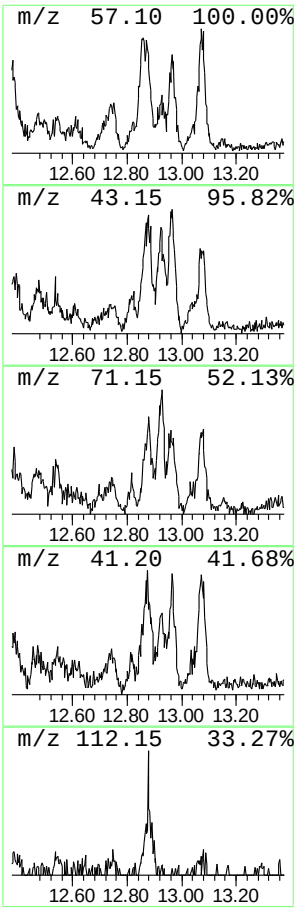
****

Peak Number 12 Undecane, 3,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.876	7.11 ppb	93484	1,4-dichlorobenzene-d4	12.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	53
2	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	53
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	50
4	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	50
5	Hexadecane	226	C16H34	000544-76-3	50





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134066.D
Acq On : 13 Dec 2013 6:28 pm
Operator : jaimem
Sample : mc26964-7
Misc : MS30768,MSG5173,10.031,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

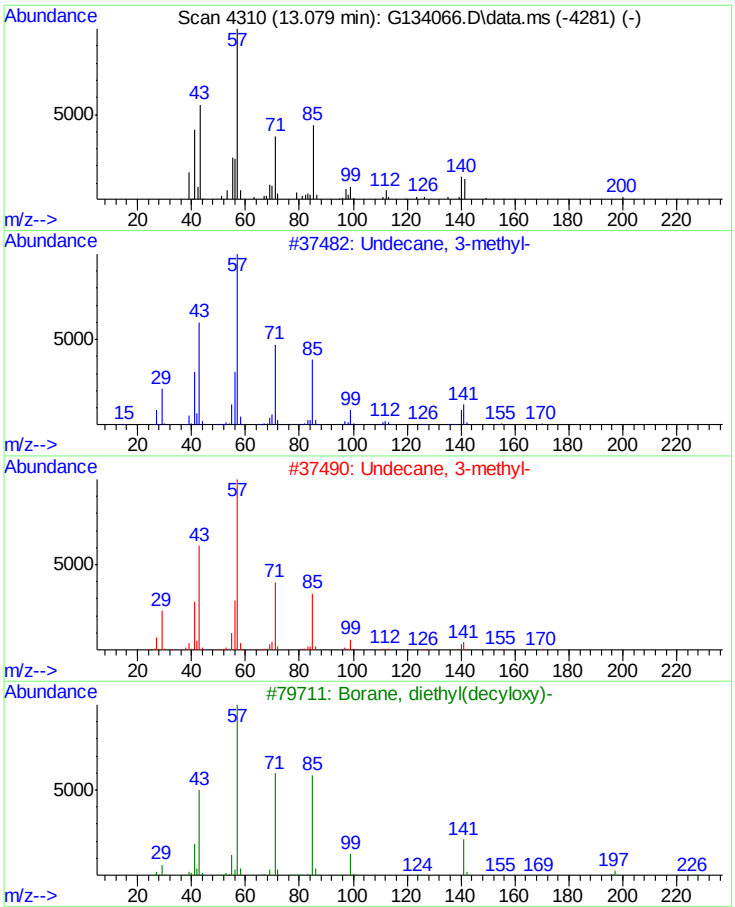
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

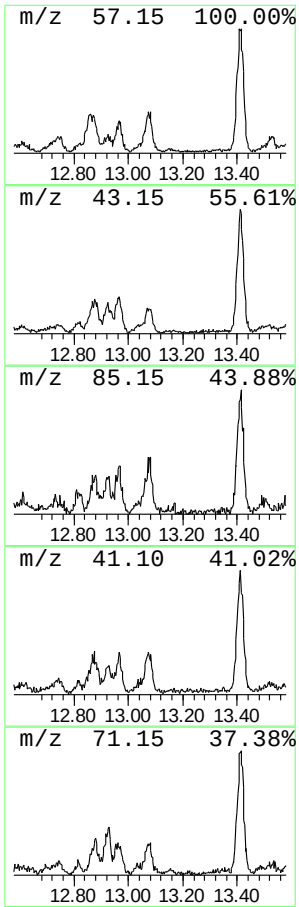
****

Peak Number 13 Undecane, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	6.15 ppb	80912	1,4-dichlorobenzene-d4	12.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-	170	C12H26	001002-43-3	78
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	78
3	Borane, diethyl(decyloxy)-	226	C14H31BO	1000152-34-3	53
4	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	53
5	Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	53





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134066.D
Acq On : 13 Dec 2013 6:28 pm
Operator : jaimem
Sample : mc26964-7
Misc : MS30768,MSG5173,10.031,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

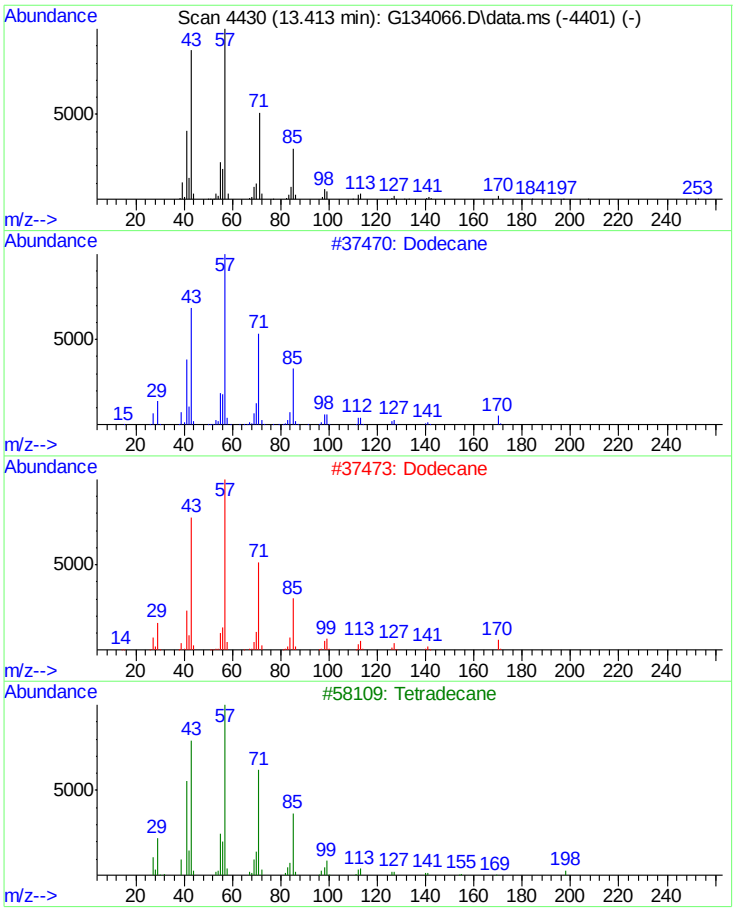
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

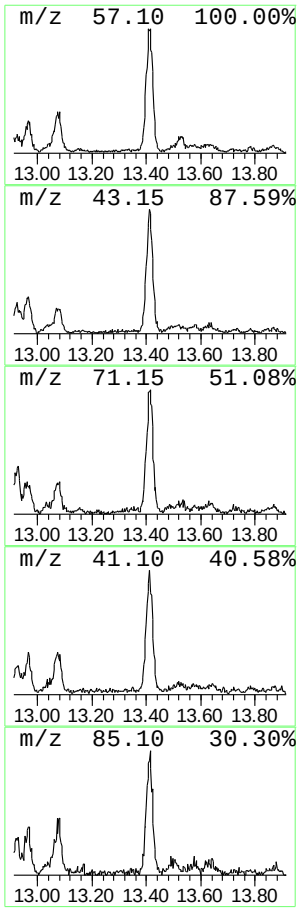
****

Peak Number 14 Dodecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.413	12.88 ppb	169402	1,4-dichlorobenzene-d4	12.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	95
2	Dodecane	170	C12H26	000112-40-3	91
3	Tetradecane	198	C14H30	000629-59-4	90
4	Hexadecane	226	C16H34	000544-76-3	86
5	Tridecane	184	C13H28	000629-50-5	86





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134066.D
Acq On : 13 Dec 2013 6:28 pm
Operator : jaimem
Sample : mc26964-7
Misc : MS30768,MSG5173,10.031,,100,10,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Heptane, 2-methyl-	7.036	5.8	ppb	51064	3	6.192	437379	50.0
Octane	7.712	7.1	ppb	61846	3	6.192	437379	50.0
Octane, 2-methyl-	8.819	13.8	ppb	159430	4	9.537	576227	50.0
Oxalic acid, is...	8.966	7.9	ppb	90909	4	9.537	576227	50.0
Nonane	9.414	14.6	ppb	168718	4	9.537	576227	50.0
Octane, 2,5-dim...	9.762	5.8	ppb	67409	4	9.537	576227	50.0
Nonane, 2-methyl-	10.357	23.1	ppb	266206	4	9.537	576227	50.0
Octane, 2,6-dim...	10.487	10.1	ppb	116170	4	9.537	576227	50.0
Decane, 5-methyl-	11.653	6.5	ppb	85147	5	12.162	657774	50.0
Decane, 2-methyl-	11.725	11.4	ppb	149609	5	12.162	657774	50.0
Nonane, 4,5-dim...	11.847	7.7	ppb	101369	5	12.162	657774	50.0
Undecane, 3,7-d...	12.876	7.1	ppb	93484	5	12.162	657774	50.0
Undecane, 3-met...	13.079	6.2	ppb	80912	5	12.162	657774	50.0
Dodecane	13.413	12.9	ppb	169402	5	12.162	657774	50.0

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/16/13 10:25

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62176.D
Acq On : 14 Dec 2013 7:34 am
Operator : krystend
Sample : mc26964-9
Misc : MS30779,MSM2172,5.175,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 16 09:25:16 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

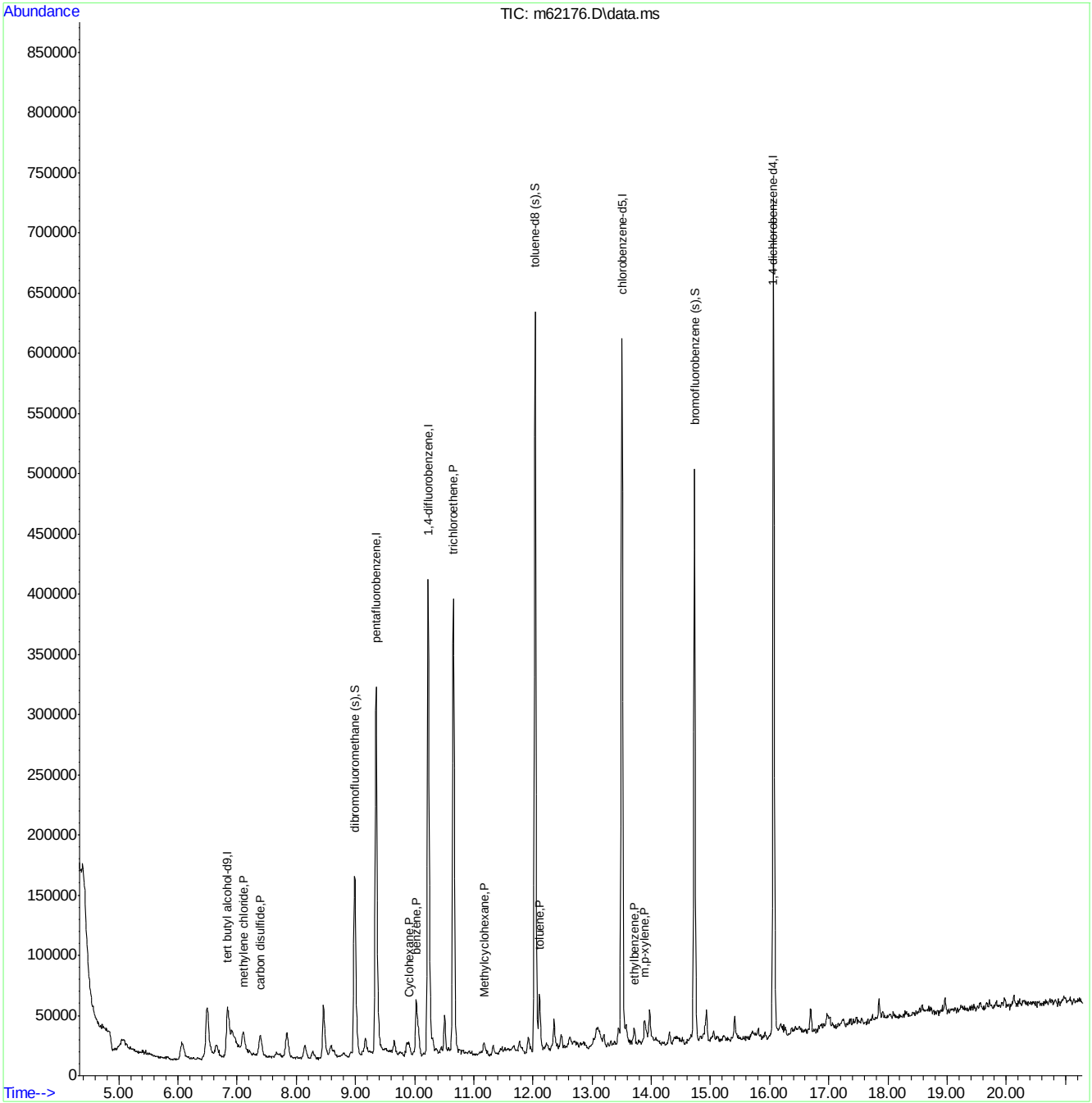
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	174531	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	271660	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	430552	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	183593	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	225263	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	133030	55.03	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.06%			
59) toluene-d8 (s)	12.036	98	470496	48.89	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.78%			
81) bromofluorobenzene (s)	14.731	95	179896	50.95	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.90%			
Target Compounds						Qvalue
18) methylene chloride	7.105	84	11801	4.25	ug/kg	93
24) carbon disulfide	7.395	76	64954m	8.96	ug/kg	
43) Cyclohexane	9.901	56	9940	2.00	ug/kg	85
46) benzene	10.029	78	46616	4.09	ug/kg	92
50) trichloroethene	10.656	95	137783	41.86	ug/kg	92
54) Methylcyclohexane	11.174	83	6119	1.31	ug/kg#	75
61) toluene	12.111	92	20911	2.92	ug/kg	88
73) ethylbenzene	13.714	91	10718	0.80	ug/kg	96
74) m,p-xylene	13.889	106	6421	1.13	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

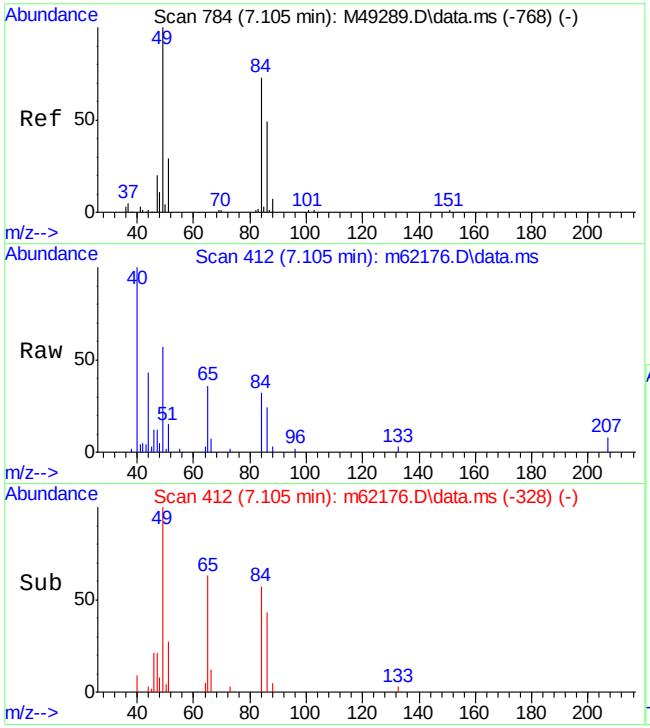
Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62176.D
Acq On : 14 Dec 2013 7:34 am
Operator : krystend
Sample : mc26964-9
Misc : MS30779,MSM2172,5.175,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 16 09:25:16 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration



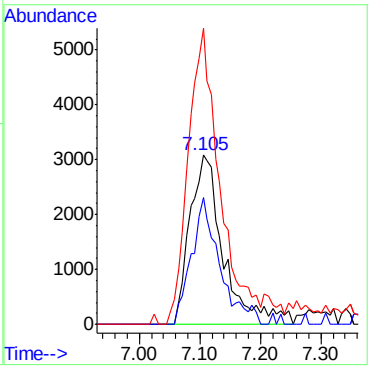
M131211S.M Mon Dec 16 09:25:50 2013 Page: 2

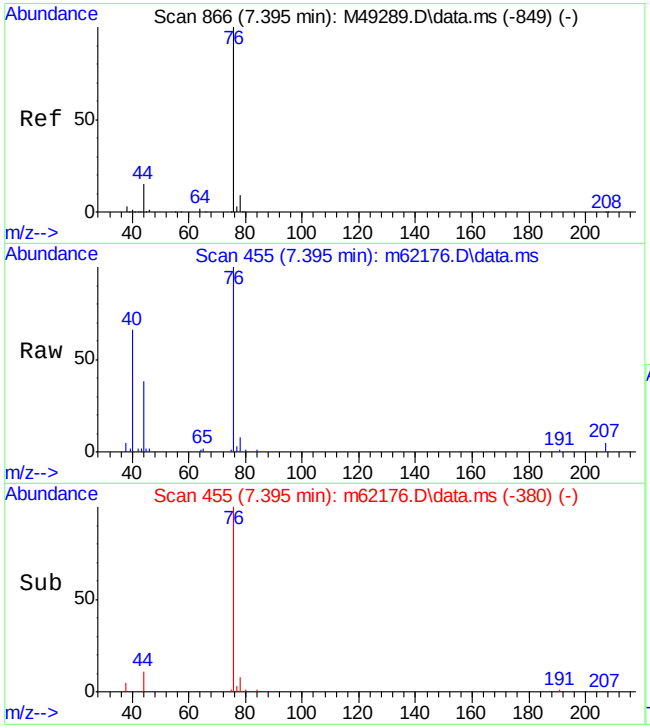


#18
methylene chloride
Concen: 4.25 ug/kg
RT: 7.105 min Scan# 412
Delta R.T. 0.006 min
Lab File: m62176.D
Acq: 14 Dec 2013 7:34 am

Tgt Ion: 84 Resp: 11801

Ion	Ratio	Lower	Upper
84	100		
86	74.8	37.8	97.8
49	175.3	137.0	197.0

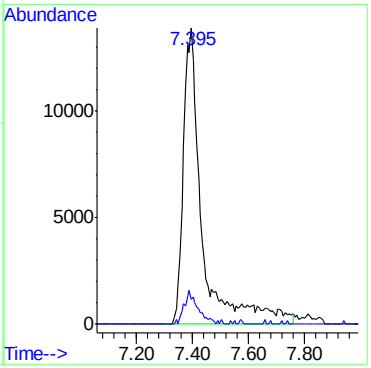


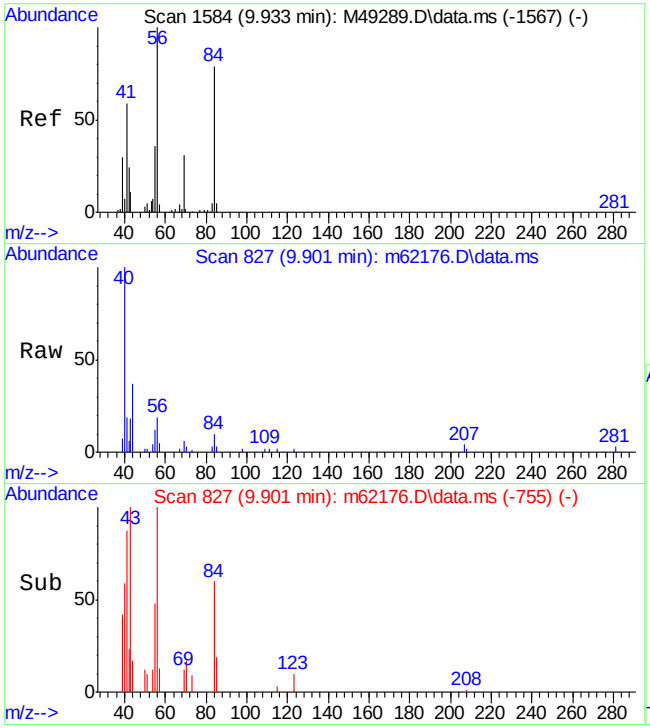


#24
carbon disulfide
Concen: 8.96 ug/kg m
RT: 7.395 min Scan# 455
Delta R.T. 0.007 min
Lab File: m62176.D
Acq: 14 Dec 2013 7:34 am

Tgt Ion: 76 Resp: 64954

Ion	Ratio	Lower	Upper
76	100		
78	8.4	0.0	39.2

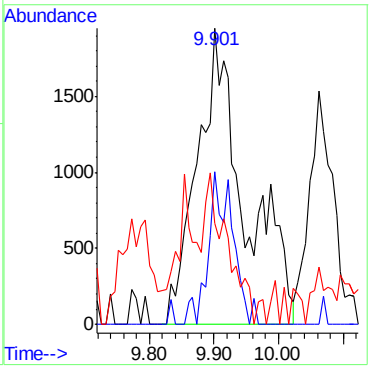


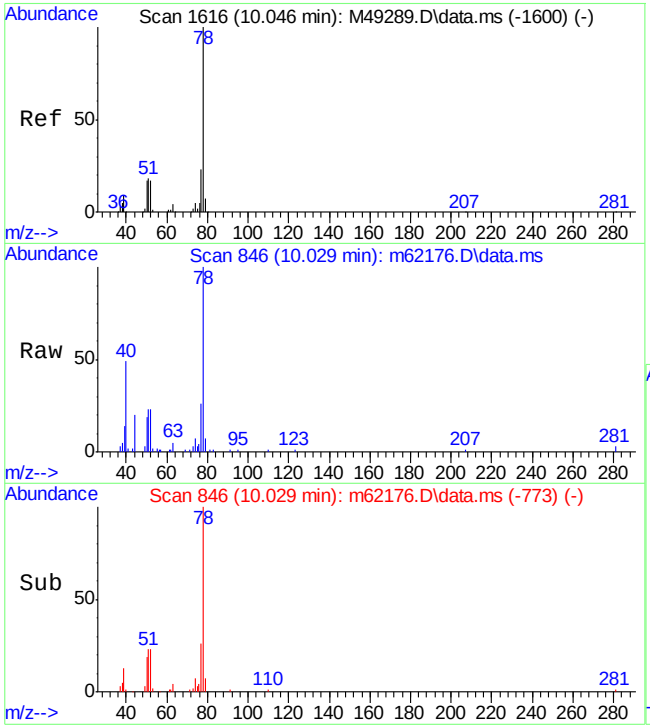


#43
Cyclohexane
Concen: 2.00 ug/kg
RT: 9.901 min Scan# 827
Delta R.T. -0.014 min
Lab File: m62176.D
Acq: 14 Dec 2013 7:34 am

Tgt Ion: 56 Resp: 9940

Ion	Ratio	Lower	Upper
56	100		
84	51.5	46.5	86.5
69	22.4	4.2	44.2

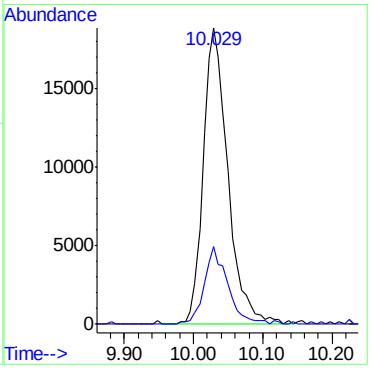


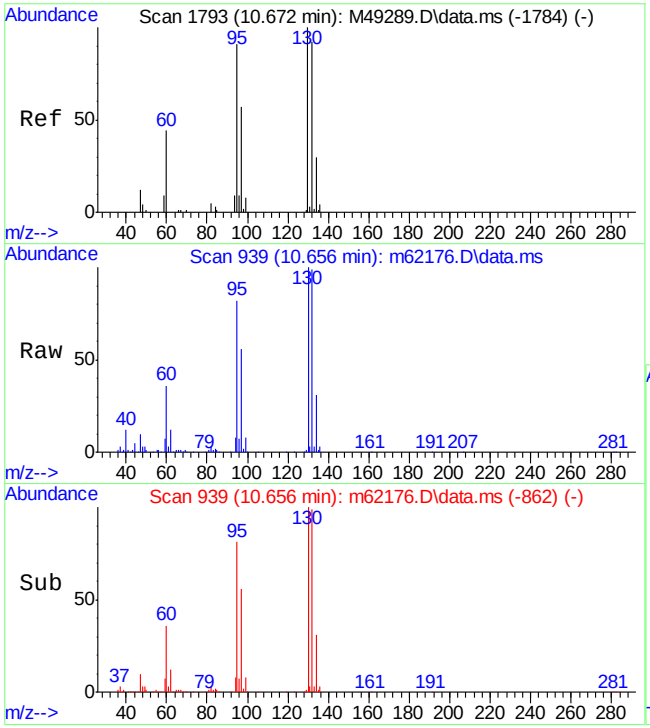


#46
benzene
Concen: 4.09 ug/kg
RT: 10.029 min Scan# 846
Delta R.T. 0.000 min
Lab File: m62176.D
Acq: 14 Dec 2013 7:34 am

Tgt Ion: 78 Resp: 46616

Ion	Ratio	Lower	Upper
78	100		
77	26.0	0.0	52.2

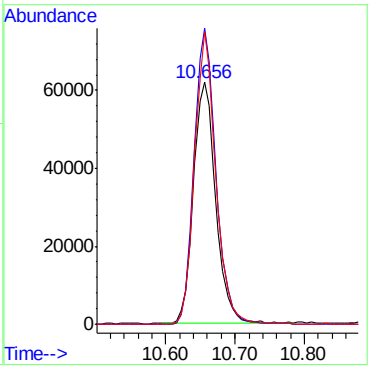


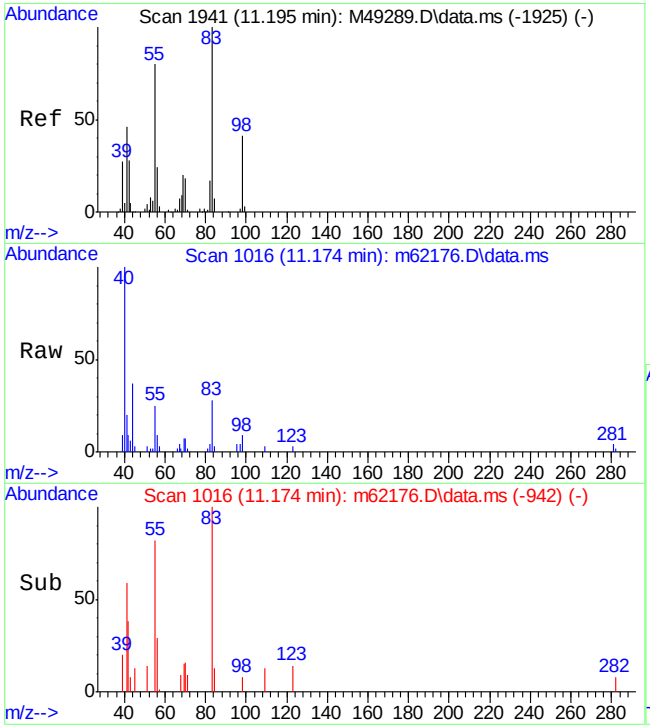


#50
trichloroethene
Concen: 41.86 ug/kg
RT: 10.656 min Scan# 939
Delta R.T. -0.001 min
Lab File: m62176.D
Acq: 14 Dec 2013 7:34 am

Tgt Ion: 95 Resp: 137783

Ion	Ratio	Lower	Upper
95	100		
130	122.8	88.4	148.4
132	121.4	77.7	137.7

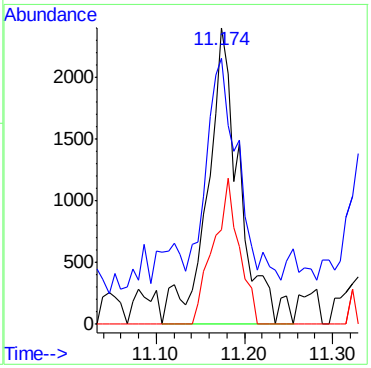


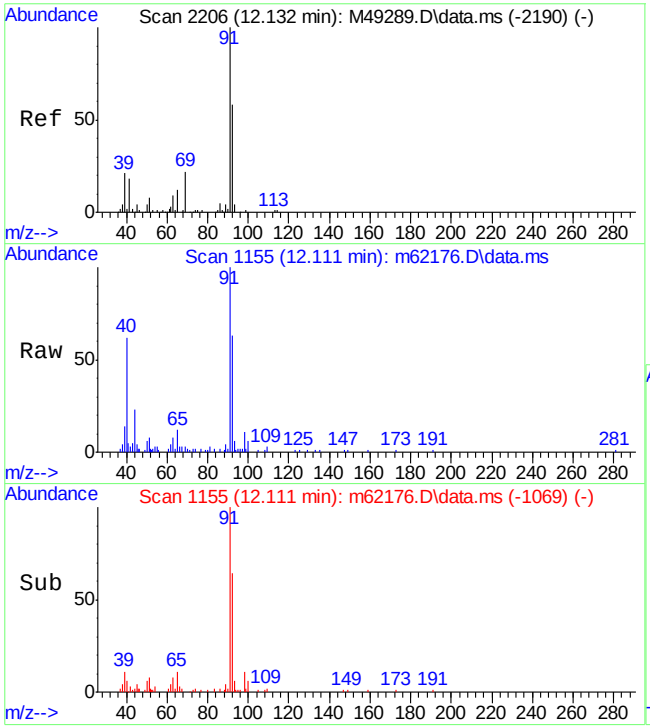


#54
Methylcyclohexane
Concen: 1.31 ug/kg
RT: 11.174 min Scan# 1016
Delta R.T. 0.000 min
Lab File: m62176.D
Acq: 14 Dec 2013 7:34 am

Tgt Ion: 83 Resp: 6119

Ion	Ratio	Lower	Upper
83	100		
55	65.3	72.1	112.1#
98	31.8	22.8	62.8

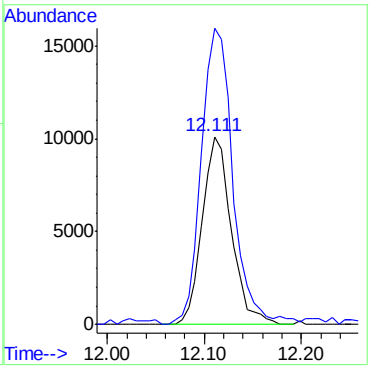


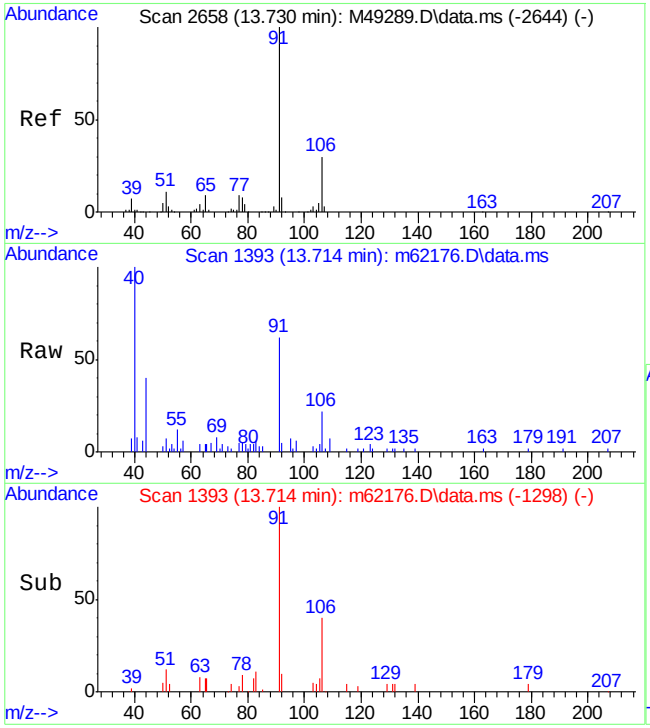


#61
toluene
Concen: 2.92 ug/kg
RT: 12.111 min Scan# 1155
Delta R.T. -0.000 min
Lab File: m62176.D
Acq: 14 Dec 2013 7:34 am

Tgt Ion: 92 Resp: 20911

Ion	Ratio	Lower	Upper
92	100		
91	157.7	143.8	203.8

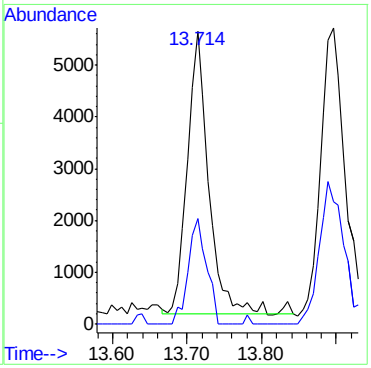


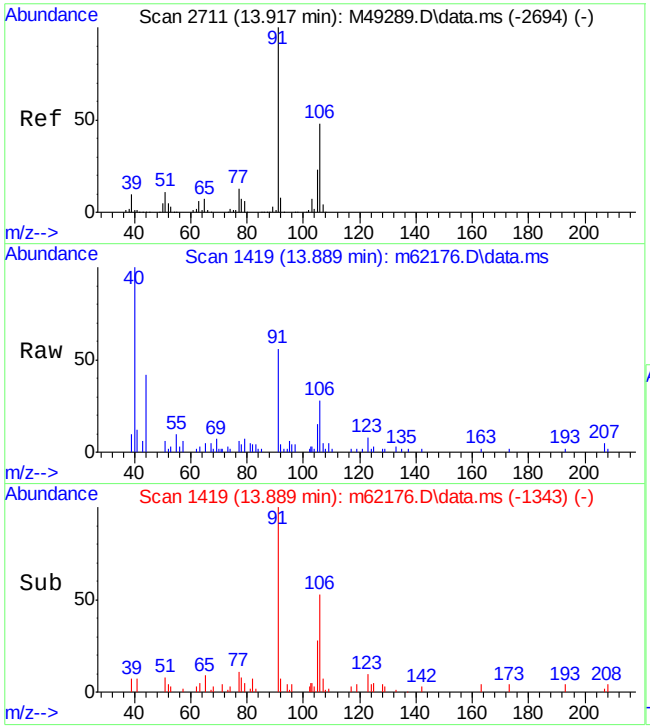


#73
ethylbenzene
Concen: 0.80 ug/kg
RT: 13.714 min Scan# 1393
Delta R.T. 0.007 min
Lab File: m62176.D
Acq: 14 Dec 2013 7:34 am

Tgt Ion: 91 Resp: 10718

Ion	Ratio	Lower	Upper
91	100		
106	37.2	4.7	64.7

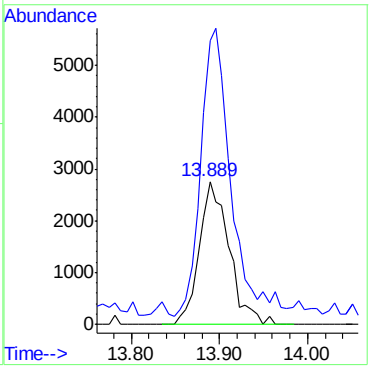




#74
m,p-xylene
Concen: 1.13 ug/kg
RT: 13.889 min Scan# 1419
Delta R.T. -0.007 min
Lab File: m62176.D
Acq: 14 Dec 2013 7:34 am

Tgt Ion:106 Resp: 6421

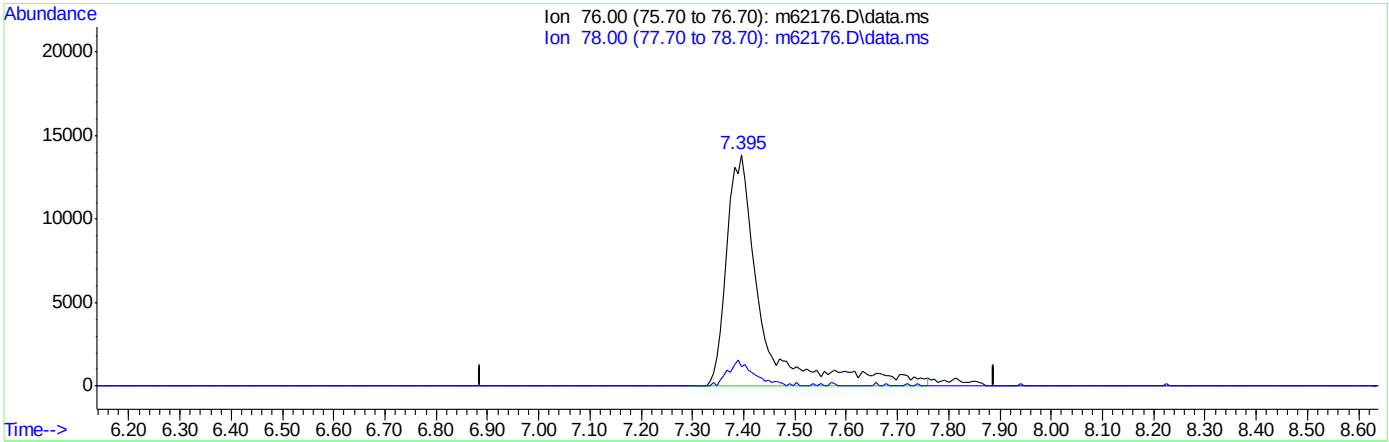
Ion	Ratio	Lower	Upper
106	100		
91	186.7	151.6	211.6

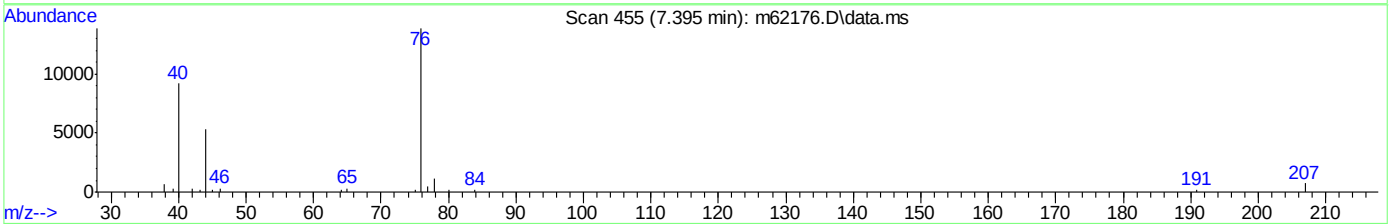


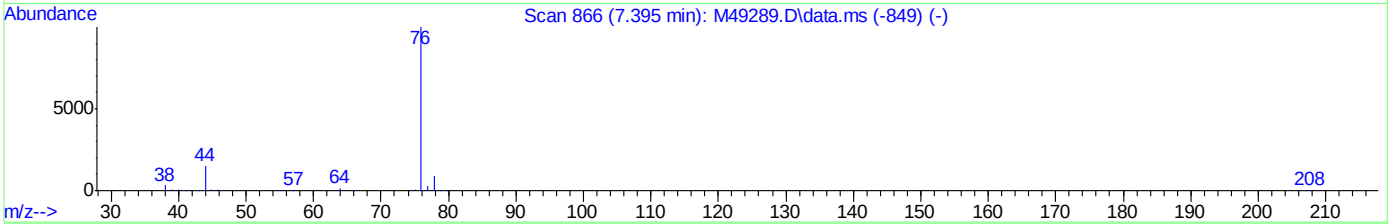
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62176.D
Acq On : 14 Dec 2013 7:34 am
Operator : krystend
Sample : mc26964-9
Misc : MS30779,MSM2172,5.175,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 16 09:24:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration







TIC: m62176.D\data.ms

(24) carbon disulfide (P)

7.395min (+0.007) 8.96ug/kg m

response 64954

Ion	Exp%	Act%
76.00	100	100
78.00	9.20	8.40
0.00	0.00	0.00
0.00	0.00	0.00

M62176.D edits: carbon disulfide

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62176.D
Acq On : 14 Dec 2013 7:34 am
Operator : krystend
Sample : mc26964-9
Misc : MS30779,MSM2172,5.175,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131211S.M
Title : SW-846 Method 8260

Signal : TIC: m62176.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.061	247	257	283	rBV5	14421	69741	4.88%	0.690%
2	6.331	293	297	307	rVB4	2118	6696	0.47%	0.066%
3	6.492	307	321	337	rBV2	43787	193343	13.52%	1.913%
4	6.647	339	344	361	rVV6	11569	51980	3.63%	0.514%
5	6.836	361	372	405	rVV2	42996	321523	22.48%	3.181%
6	7.105	405	412	443	rVV6	21777	126379	8.83%	1.250%
7	7.395	443	455	475	rVB2	18410	76473	5.35%	0.757%
8	7.665	489	495	511	rBV9	4570	20583	1.44%	0.204%
9	7.846	511	522	543	rVB4	22086	86951	6.08%	0.860%
10	8.015	543	547	557	rVB6	2102	6406	0.45%	0.063%
11	8.150	557	567	579	rBV4	11523	41831	2.92%	0.414%
12	8.278	579	586	595	rVB6	6539	20287	1.42%	0.201%
13	8.459	603	613	625	rBV2	44248	122566	8.57%	1.213%
14	8.594	625	633	657	rVV6	10445	50679	3.54%	0.501%
15	8.810	657	665	677	rVB6	4446	16547	1.16%	0.164%
16	8.985	677	691	709	rBV2	150580	435461	30.44%	4.309%
17	9.167	709	718	737	rVV4	16064	75666	5.29%	0.749%
18	9.349	737	745	785	rVV	307406	817250	57.13%	8.086%
19	9.652	785	790	815	rVB6	13990	57774	4.04%	0.572%
20	9.901	815	827	837	rBV6	12528	61029	4.27%	0.604%
21	10.029	837	846	867	rVV2	47435	157431	11.01%	1.558%
22	10.231	867	876	903	rVV	395705	948491	66.30%	9.385%
23	10.507	903	917	929	rVV3	33811	102502	7.17%	1.014%
24	10.656	929	939	999	rVB	379287	904828	63.25%	8.953%
25	11.174	1011	1016	1033	rVB6	10876	34457	2.41%	0.341%
26	11.322	1033	1038	1053	rBV9	8666	24934	1.74%	0.247%
27	11.774	1099	1105	1119	rVB7	10194	32334	2.26%	0.320%
28	11.922	1121	1127	1137	rBV4	12331	32505	2.27%	0.322%
29	12.036	1137	1144	1183	rBV	614642	1338613	93.58%	13.245%
30	12.353	1185	1191	1205	rVB2	23815	50175	3.51%	0.496%
31	12.474	1205	1209	1225	rBV4	10739	22890	1.60%	0.226%
32	12.623	1225	1231	1293	rBV4	7301	54086	3.78%	0.535%
33	13.505	1349	1362	1387	rVB	585724	1193297	83.42%	11.807%
34	13.707	1387	1392	1411	rVB3	13830	37175	2.60%	0.368%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62176.D
Acq On : 14 Dec 2013 7:34 am
Operator : krystend
Sample : mc26964-9
Misc : MS30779,MSM2172,5.175,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131211S.M
Title : SW-846 Method 8260

35	13.896	1413	1420	1427	rVV3	18819	52823	3.69%	0.523%
36	13.970	1427	1431	1477	rVB4	26771	67917	4.75%	0.672%
37	14.731	1537	1544	1569	rBV	471481	844032	59.00%	8.351%
38	14.933	1569	1574	1639	rVB7	23215	38675	2.70%	0.383%
39	15.411	1639	1645	1733	rBV7	18198	79941	5.59%	0.791%
40	16.065	1733	1742	1831	rBV	696402	1430518	100.00%	14.154%

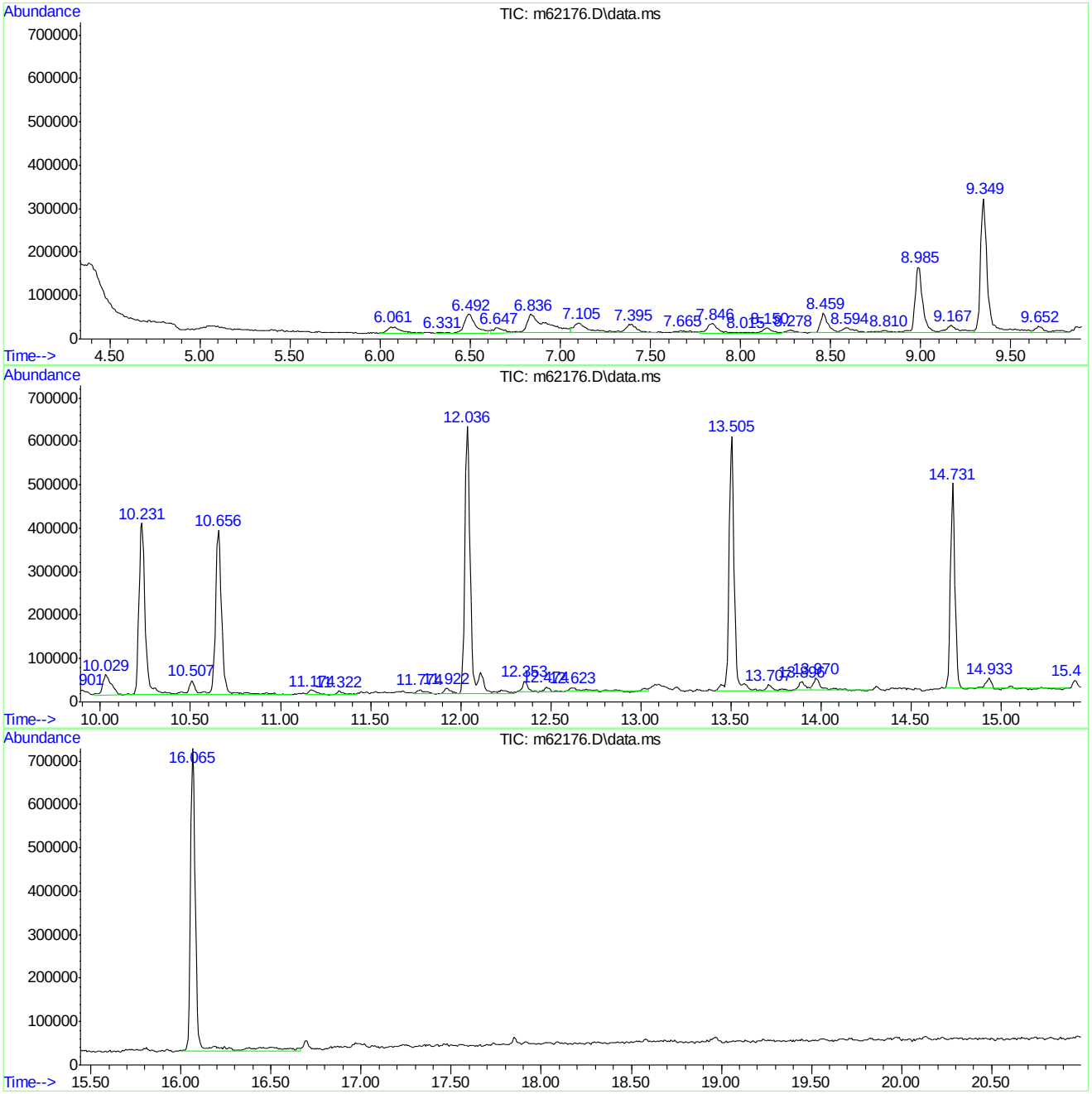
Sum of corrected areas: 10106789

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62176.D
Acq On : 14 Dec 2013 7:34 am
Operator : krystend
Sample : mc26964-9
Misc : MS30779,MSM2172,5.175,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62176.D
Acq On : 14 Dec 2013 7:34 am
Operator : krystend
Sample : mc26964-9
Misc : MS30779,MSM2172,5.175,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

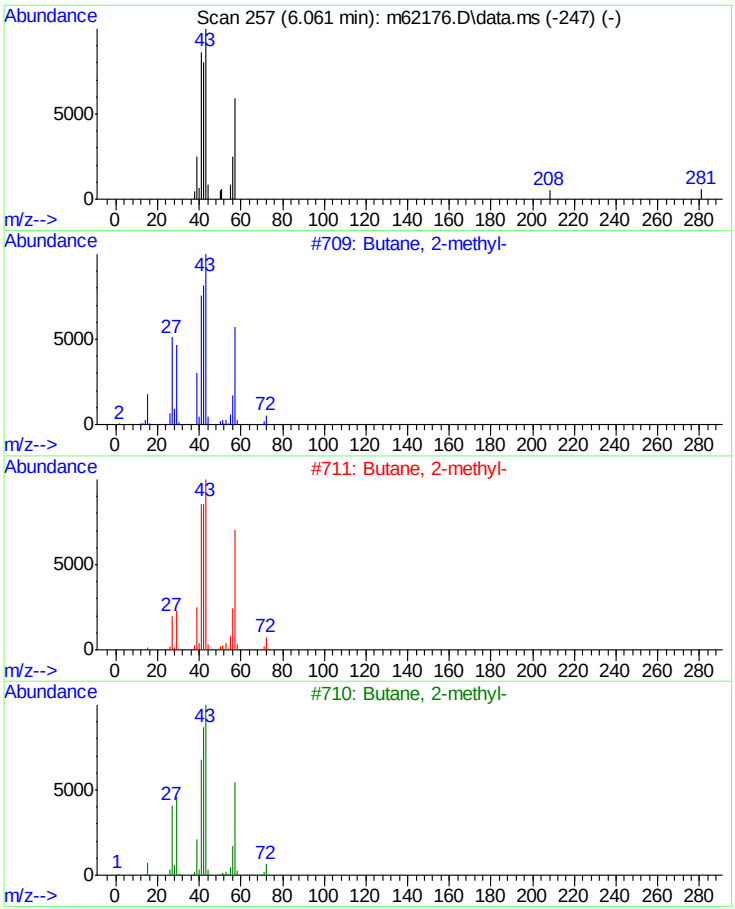
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

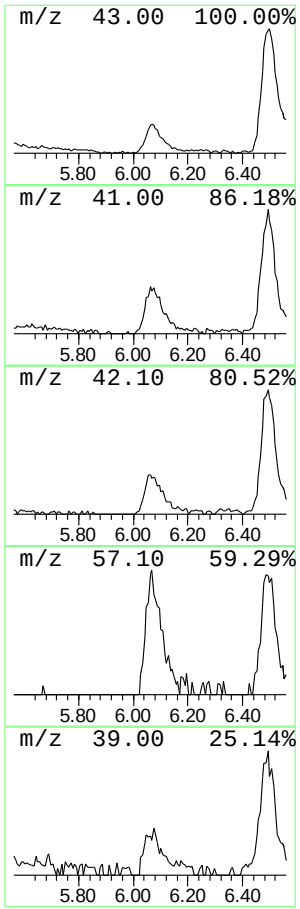
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.061	4.27 ug/kg	69741	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	78
2	Butane, 2-methyl-	72	C5H12	000078-78-4	78
3	Butane, 2-methyl-	72	C5H12	000078-78-4	64
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	9
5	Oxalic acid, butyl propyl ester	188	C9H16O4	1000309-25-6	9





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62176.D
Acq On : 14 Dec 2013 7:34 am
Operator : krystend
Sample : mc26964-9
Misc : MS30779,MSM2172,5.175,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

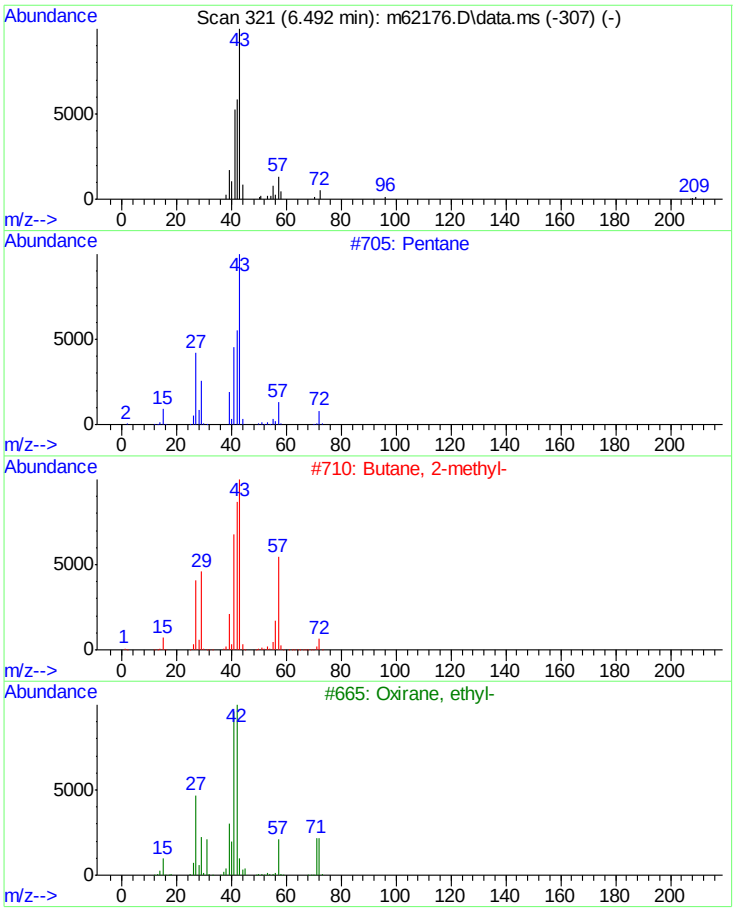
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

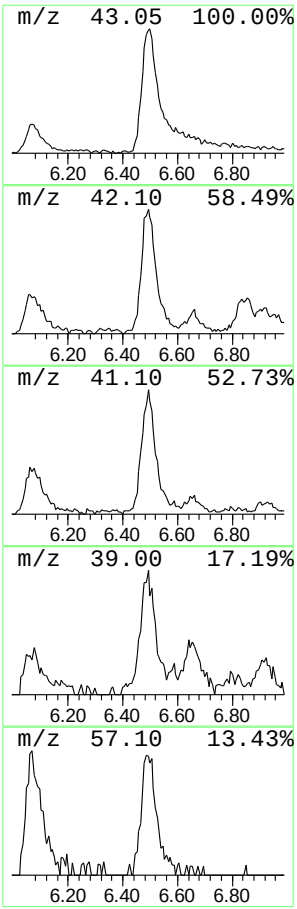
****

Peak Number 2 Pentane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.492	11.83 ug/kg	193343	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	72
2	Butane, 2-methyl-	72	C5H12	000078-78-4	59
3	Oxirane, ethyl-	72	C4H8O	000106-88-7	43
4	Pentane	72	C5H12	000109-66-0	39
5	Butane, 2-methyl-	72	C5H12	000078-78-4	38





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62176.D
Acq On : 14 Dec 2013 7:34 am
Operator : krystend
Sample : mc26964-9
Misc : MS30779,MSM2172,5.175,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

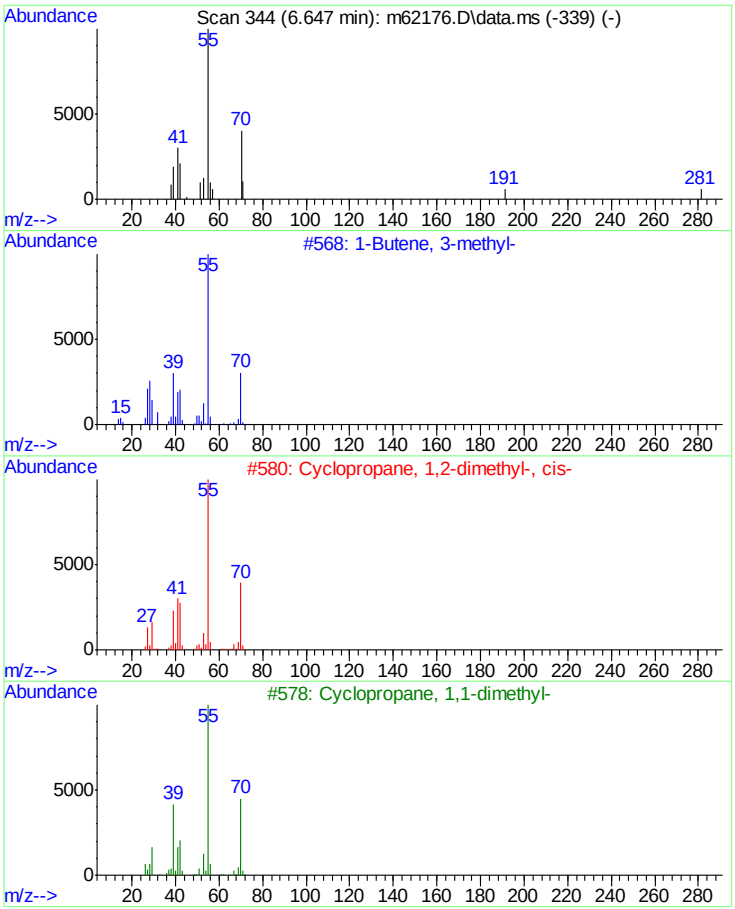
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

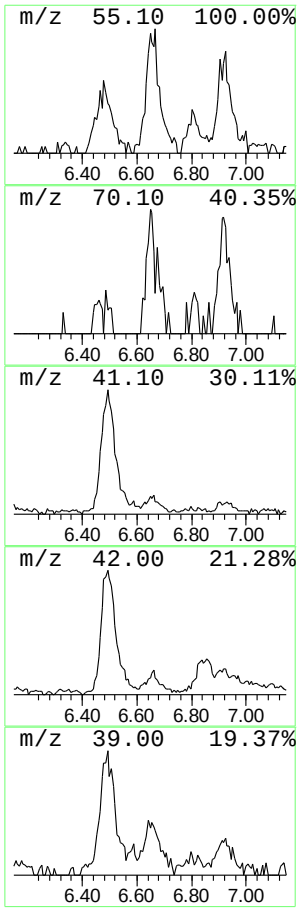
****

Peak Number 3 1-Butene, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.647	3.18 ug/kg	51980	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene, 3-methyl-	70	C5H10	000563-45-1	64
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	64
3	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	64
4	2-Pentene, (E)-	70	C5H10	000646-04-8	64
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	64





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62176.D
Acq On : 14 Dec 2013 7:34 am
Operator : krystend
Sample : mc26964-9
Misc : MS30779,MSM2172,5.175,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

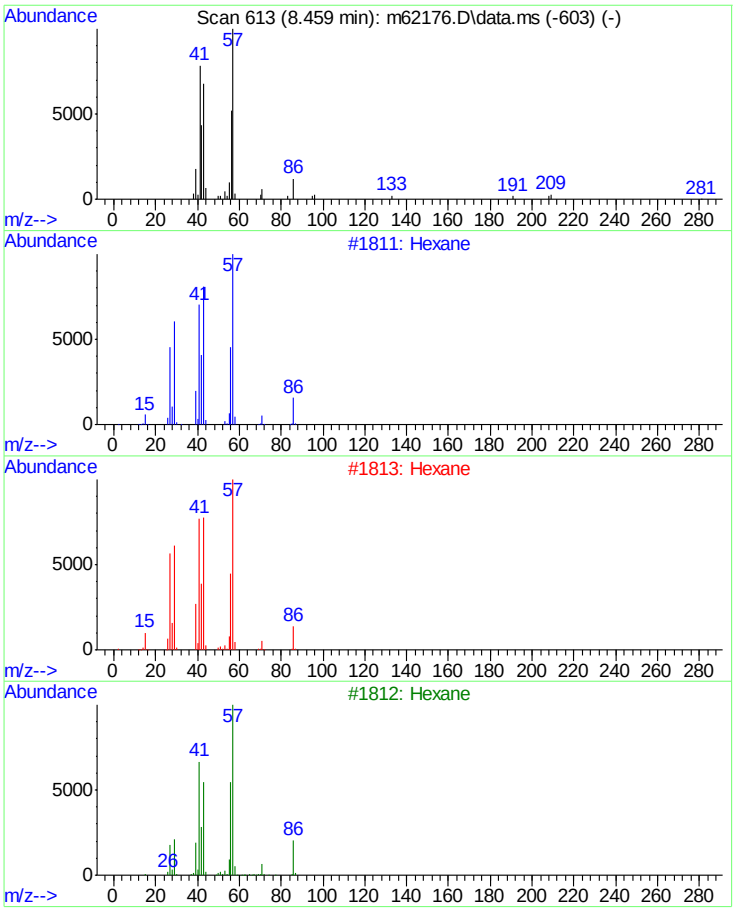
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

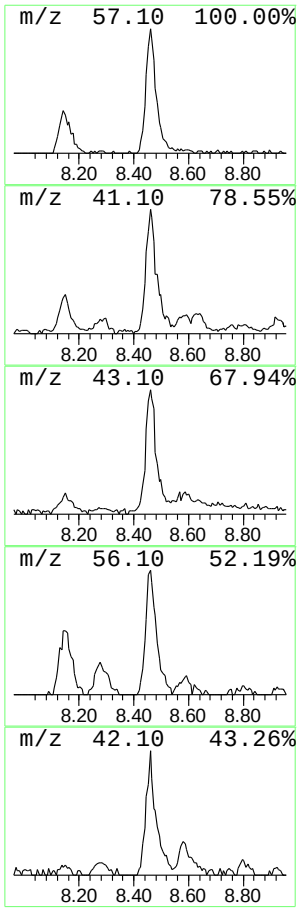
****

Peak Number 5 Hexane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.459	7.50 ug/kg	122566	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	64
2	Hexane	86	C6H14	000110-54-3	64
3	Hexane	86	C6H14	000110-54-3	59
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	42
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	42





7.1.8

7

Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62176.D
Acq On : 14 Dec 2013 7:34 am
Operator : krystend
Sample : mc26964-9
Misc : MS30779,MSM2172,5.175,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

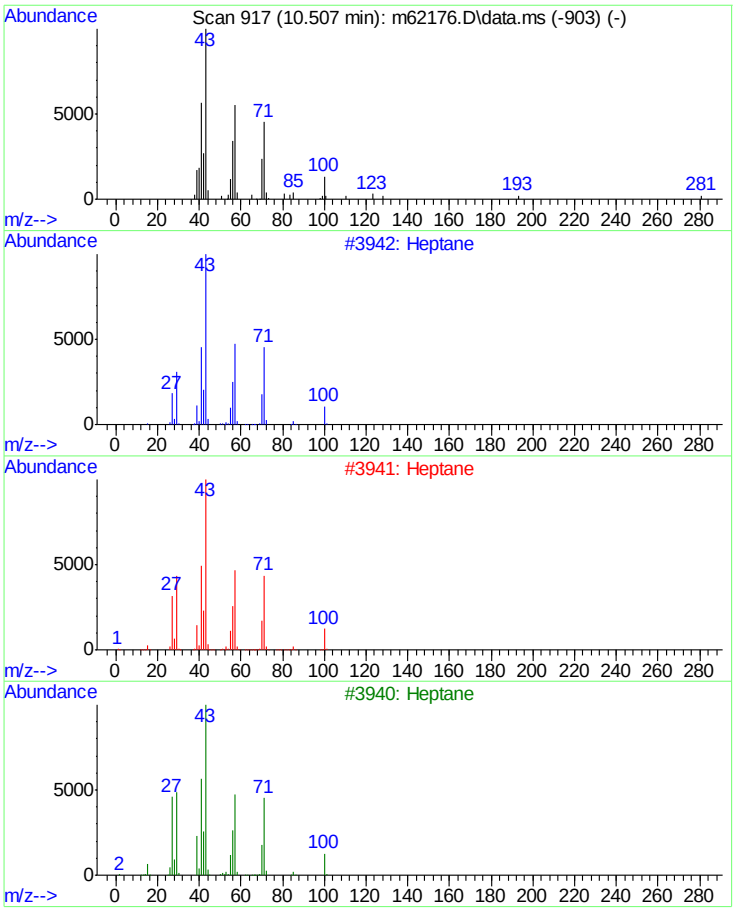
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

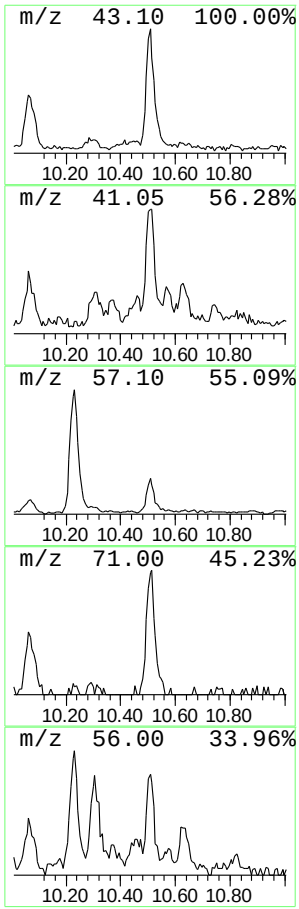
****

Peak Number 6 Heptane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.507	5.40 ug/kg	102502	1,4-difluorobenzene	10.231

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	91
3	Heptane	100	C7H16	000142-82-5	91
4	Heptane	100	C7H16	000142-82-5	83
5	Hexanoyl chloride	134	C6H11ClO	000142-61-0	72





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62176.D
Acq On : 14 Dec 2013 7:34 am
Operator : krystend
Sample : mc26964-9
Misc : MS30779,MSM2172,5.175,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	6.061	4.3	ug/kg	69741	2	9.349	817250	50.0
Pentane	6.492	11.8	ug/kg	193343	2	9.349	817250	50.0
1-Butene, 3-met...	6.647	3.2	ug/kg	51980	2	9.349	817250	50.0
Hexane	8.459	7.5	ug/kg	122566	2	9.349	817250	50.0
Heptane	10.507	5.4	ug/kg	102502	3	10.231	948491	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62177.D
Acq On : 14 Dec 2013 8:03 am
Operator : krystend
Sample : mc26964-12
Misc : MS30779,MSM2172,4.238,,,5,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Dec 16 09:26:16 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

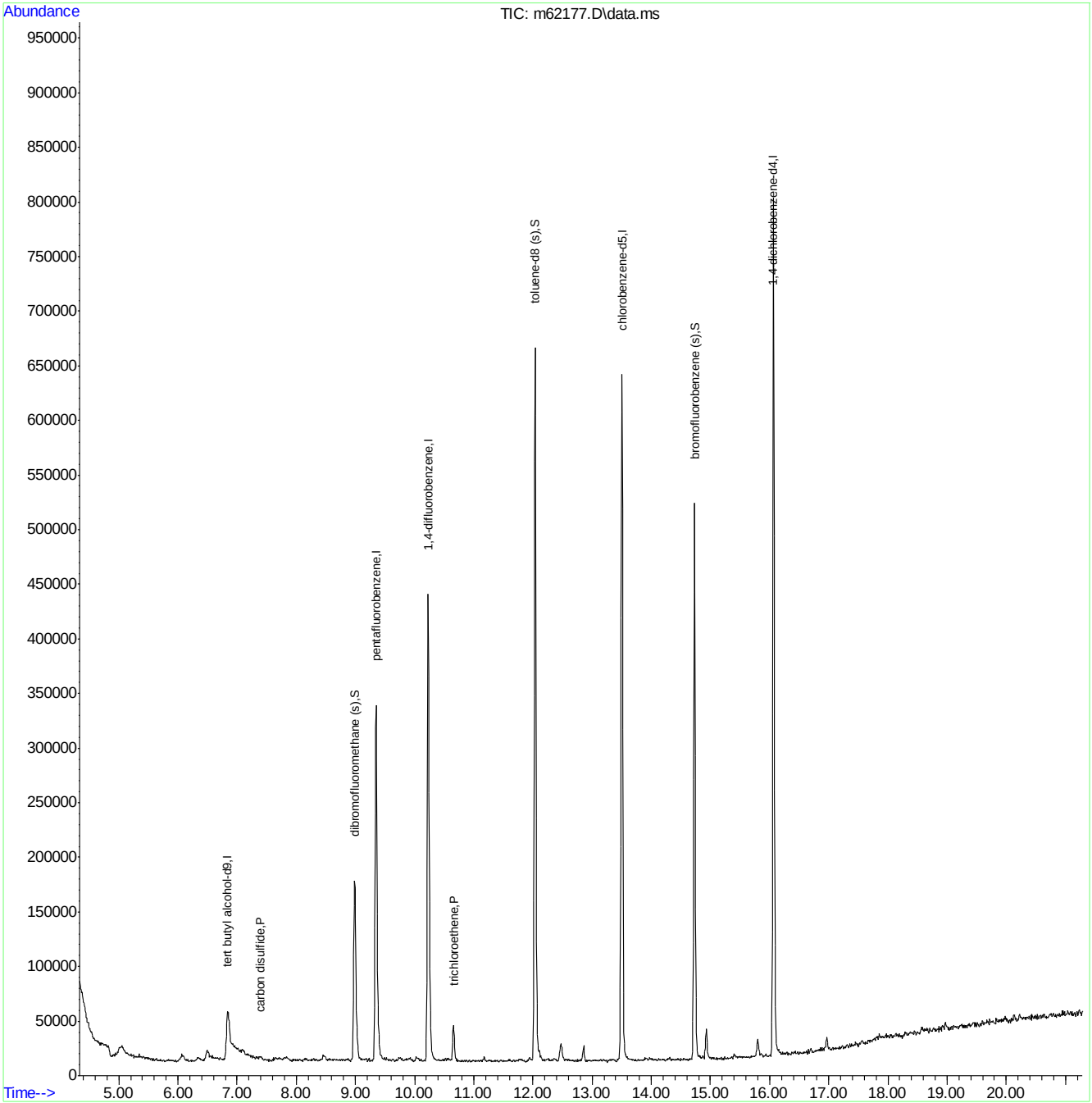
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	178654	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	292281	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	462028	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	194995	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	244772	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	141559	54.35	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.70%			
59) toluene-d8 (s)	12.036	98	503943	48.73	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.46%			
81) bromofluorobenzene (s)	14.731	95	196202	51.16	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.32%			
Target Compounds						Qvalue
24) carbon disulfide	7.388	76	8329	1.07	ug/kg	99
50) trichloroethene	10.662	95	12009	3.40	ug/kg	86

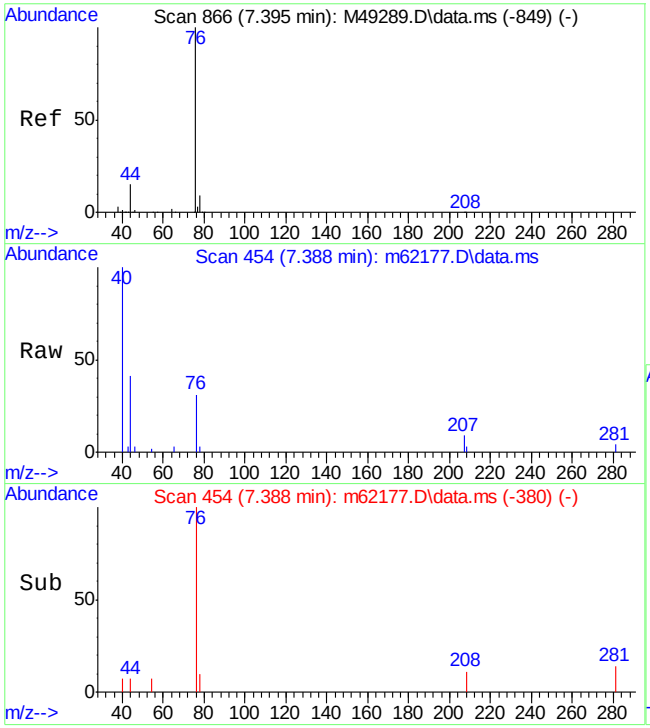
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62177.D
Acq On : 14 Dec 2013 8:03 am
Operator : krystend
Sample : mc26964-12
Misc : MS30779,MSM2172,4.238,,,5,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Dec 16 09:26:16 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

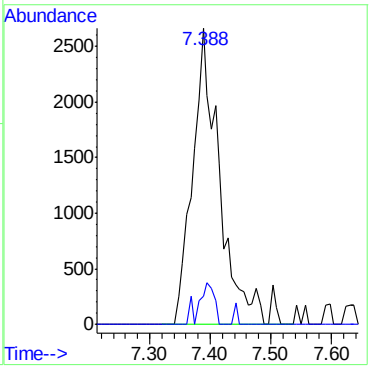


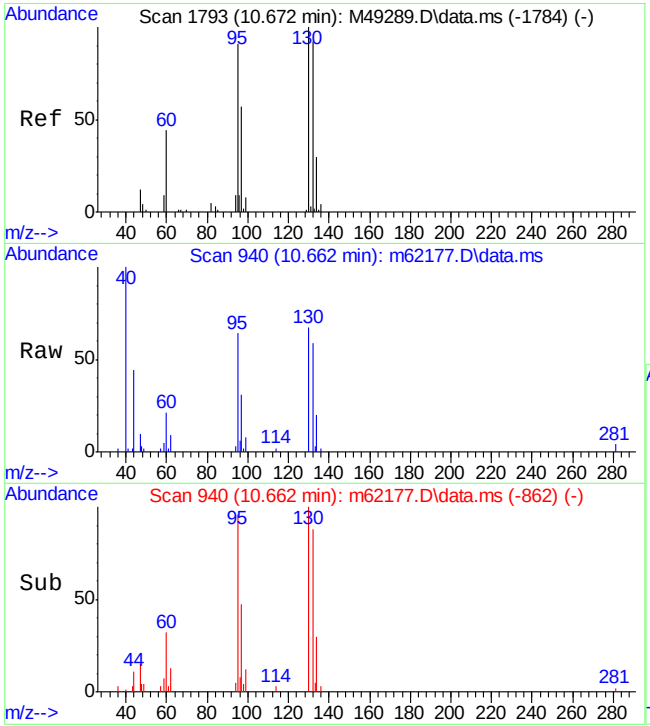


#24
carbon disulfide
Concen: 1.07 ug/kg
RT: 7.388 min Scan# 454
Delta R.T. 0.000 min
Lab File: m62177.D
Acq: 14 Dec 2013 8:03 am

Tgt Ion: 76 Resp: 8329

Ion	Ratio	Lower	Upper
76	100		
78	9.7	0.0	39.2

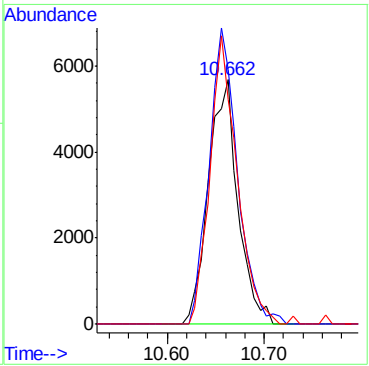




#50
trichloroethene
Concen: 3.40 ug/kg
RT: 10.662 min Scan# 940
Delta R.T. 0.006 min
Lab File: m62177.D
Acq: 14 Dec 2013 8:03 am

Tgt Ion: 95 Resp: 12009

Ion	Ratio	Lower	Upper
95	100		
130	104.4	88.4	148.4
132	92.0	77.7	137.7



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62177.D
Acq On : 14 Dec 2013 8:03 am
Operator : krystend
Sample : mc26964-12
Misc : MS30779,MSM2172,4.238,,,5,1
ALS Vial : 43 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131211S.M
Title : SW-846 Method 8260

Signal : TIC: m62177.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.058	95	108	215	rVB	15213	237171	14.72%	2.720%
2	5.839	215	224	247	rBV5	2053	11973	0.74%	0.137%
3	6.068	247	258	277	rVB6	6839	28895	1.79%	0.331%
4	6.344	291	299	311	rVB9	3790	13110	0.81%	0.150%
5	6.492	311	321	363	rVV5	9721	76856	4.77%	0.881%
6	6.836	363	372	487	rVV2	45599	433416	26.90%	4.971%
7	7.840	487	521	543	rVB7	4128	49526	3.07%	0.568%
8	8.062	543	554	561	rVB5	2684	10671	0.66%	0.122%
9	8.170	561	570	581	rBV6	3438	15902	0.99%	0.182%
10	8.453	607	612	637	rVB6	5439	22295	1.38%	0.256%
11	8.877	667	675	681	rVB4	2869	9060	0.56%	0.104%
12	8.985	681	691	723	rBV	165229	463150	28.75%	5.312%
13	9.349	735	745	783	rVB	325798	790356	49.06%	9.064%
14	9.760	793	806	817	rBV5	3835	17234	1.07%	0.198%
15	9.928	825	831	839	rVB6	4159	12001	0.74%	0.138%
16	10.029	839	846	867	rBV6	4463	19307	1.20%	0.221%
17	10.231	867	876	913	rBV	427402	973462	60.42%	11.164%
18	10.655	931	939	949	rVB3	33661	75995	4.72%	0.872%
19	11.174	1009	1016	1025	rBV4	4844	9712	0.60%	0.111%
20	11.457	1053	1058	1077	rBV3	1699	5906	0.37%	0.068%
21	11.814	1093	1111	1121	rBV5	3040	17281	1.07%	0.198%
22	11.942	1121	1130	1135	rBV5	3494	10208	0.63%	0.117%
23	12.036	1135	1144	1167	rVB	652827	1306384	81.09%	14.982%
24	12.474	1201	1209	1241	rVB4	16665	60615	3.76%	0.695%
25	12.858	1257	1266	1279	rVB2	14397	30463	1.89%	0.349%
26	13.148	1301	1309	1325	rVB5	3215	20253	1.26%	0.232%
27	13.316	1325	1334	1335	rBV2	3205	8687	0.54%	0.100%
28	13.505	1347	1362	1415	rBV	629516	1260998	78.27%	14.461%
29	13.970	1427	1431	1459	rVB6	3169	12430	0.77%	0.143%
30	14.307	1471	1481	1501	rBV6	3474	19520	1.21%	0.224%
31	14.731	1525	1544	1569	rBV	510332	960906	59.64%	11.020%
32	14.933	1569	1574	1601	rVB2	29017	78365	4.86%	0.899%
33	15.795	1695	1702	1735	rVB5	15777	46554	2.89%	0.534%
34	16.065	1735	1742	1871	rBV	786187	1611062	100.00%	18.476%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62177.D
Acq On : 14 Dec 2013 8:03 am
Operator : krystend
Sample : mc26964-12
Misc : MS30779,MSM2172,4.238,,,5,1
ALS Vial : 43 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131211S.M
Title : SW-846 Method 8260

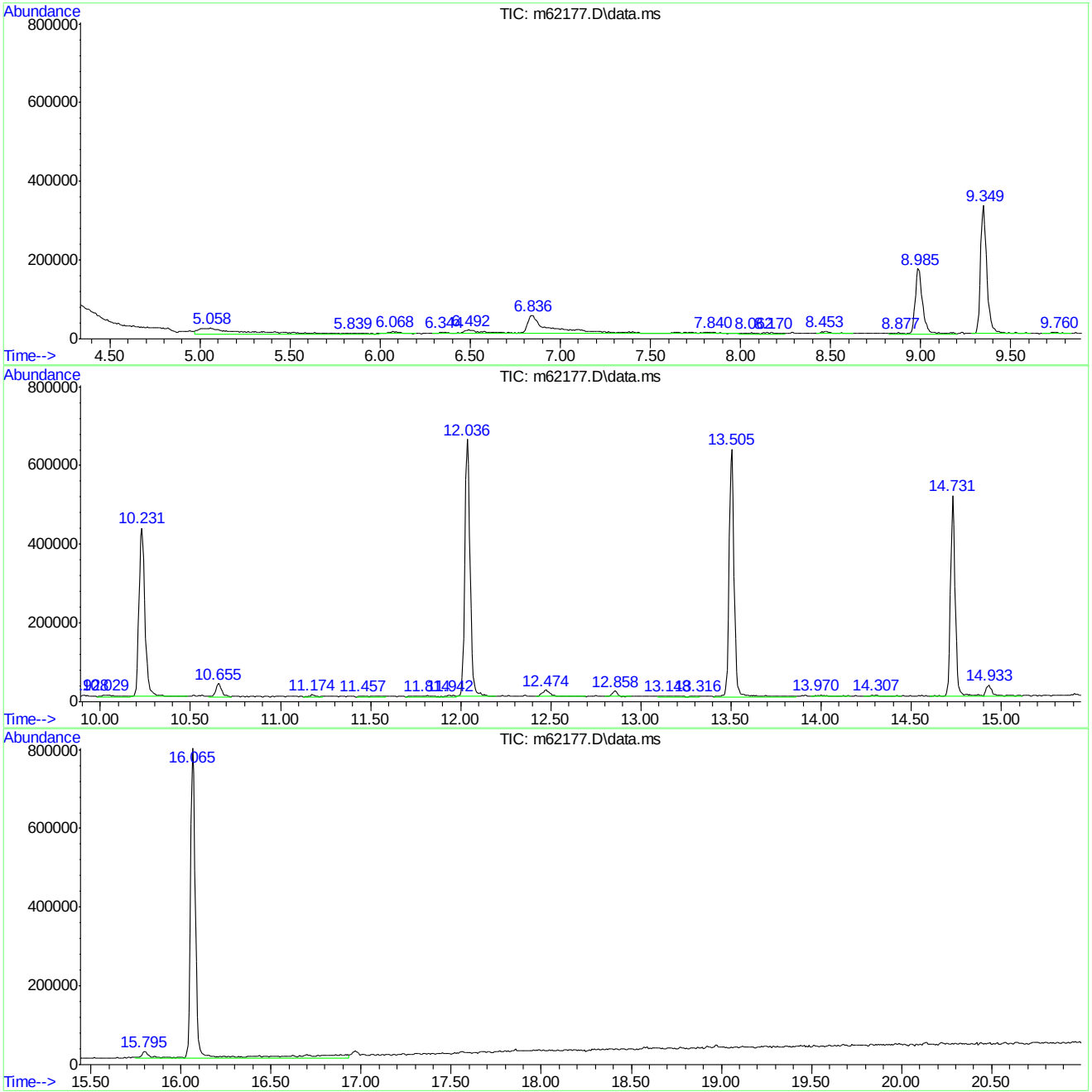
Sum of corrected areas: 8719724

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62177.D
Acq On : 14 Dec 2013 8:03 am
Operator : krystend
Sample : mc26964-12
Misc : MS30779,MSM2172,4.238,,,5,1
ALS Vial : 43 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62177.D
Acq On : 14 Dec 2013 8:03 am
Operator : krystend
Sample : mc26964-12
Misc : MS30779,MSM2172,4.238,,,5,1
ALS Vial : 43 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62177.D
Acq On : 14 Dec 2013 8:03 am
Operator : krystend
Sample : mc26964-12
Misc : MS30779,MSM2172,4.238,,,5,1
ALS Vial : 43 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134049.D
Acq On : 13 Dec 2013 10:18 am
Operator : jaimem
Sample : mb
Misc : MS30768,MSG5173,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 13 11:19:34 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

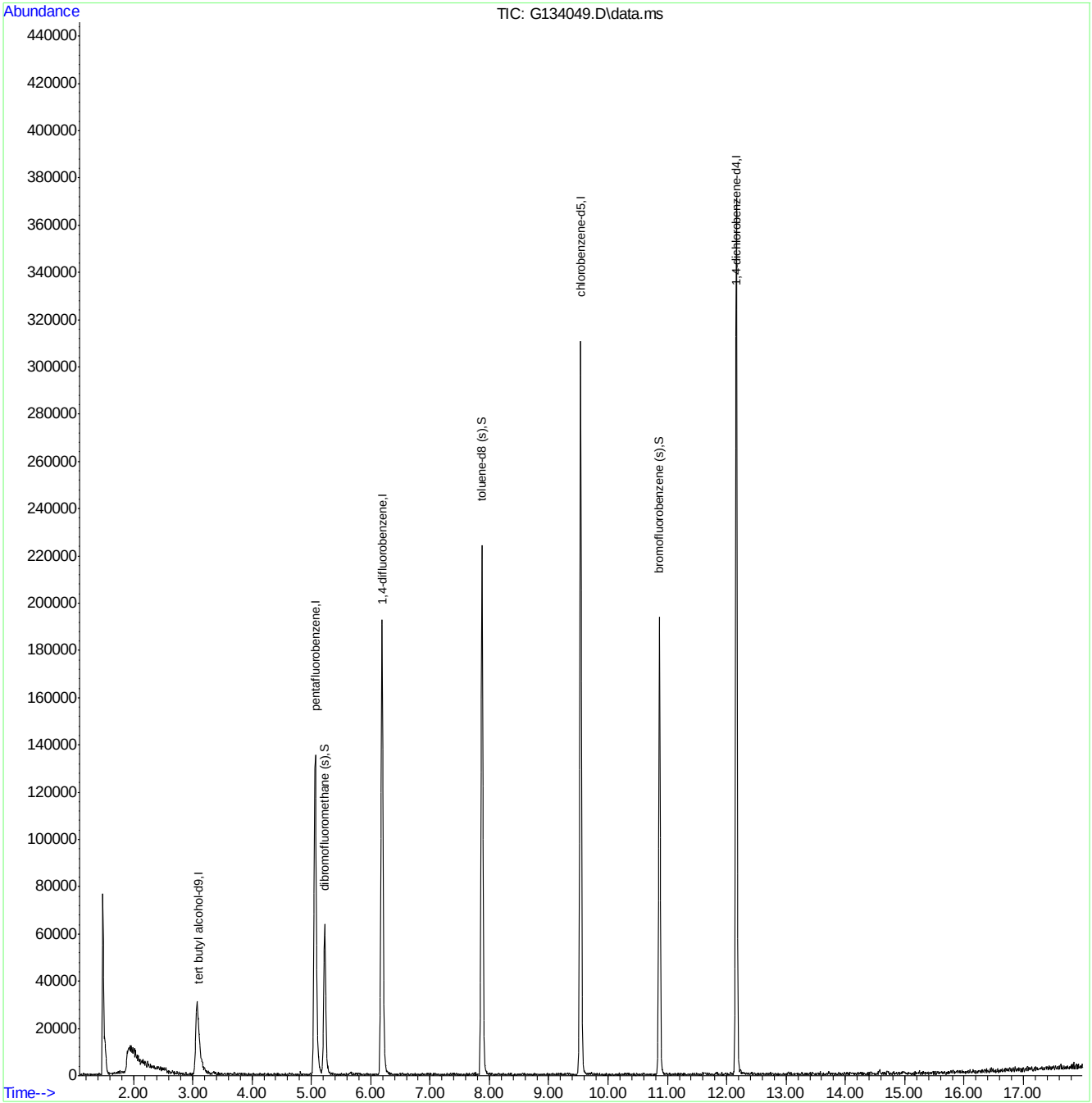
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.095	65	73763	500.00	ppb	0.00
4) pentafluorobenzene	5.067	168	125897	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.193	114	198623	50.00	ppb	0.00
66) chlorobenzene-d5	9.537	82	108468	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.162	152	106256	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	5.228	113	48382	55.11	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.22%			
60) toluene-d8 (s)	7.876	98	183805	52.54	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.08%			
82) bromofluorobenzene (s)	10.866	95	74396	47.52	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.04%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134049.D
Acq On : 13 Dec 2013 10:18 am
Operator : jaimem
Sample : mb
Misc : MS30768,MSG5173,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 13 11:19:34 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration



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ACCUTEST LABORATORIES
MC26964

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134049.D
Acq On : 13 Dec 2013 10:18 am
Operator : jaimem
Sample : mb
Misc : MS30768,MSG5173,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\g131025s.m
Title : SW-846 Method 8260

Signal : TIC: G134049.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.068	1401	1430	1466	rBV2	135193	372865	55.91%	11.931%
2	5.223	1466	1486	1541	rVB2	63603	161549	24.22%	5.169%
3	6.188	1786	1833	1891	rBV2	193059	478647	71.77%	15.316%
4	7.876	2416	2440	2481	rBV3	223994	489751	73.44%	15.672%
5	9.537	3011	3037	3086	rBV2	310478	595492	89.30%	19.055%
6	10.866	3496	3515	3581	rBV2	193887	359873	53.96%	11.516%
7	12.162	3961	3981	4016	rBV3	371147	666879	100.00%	21.340%

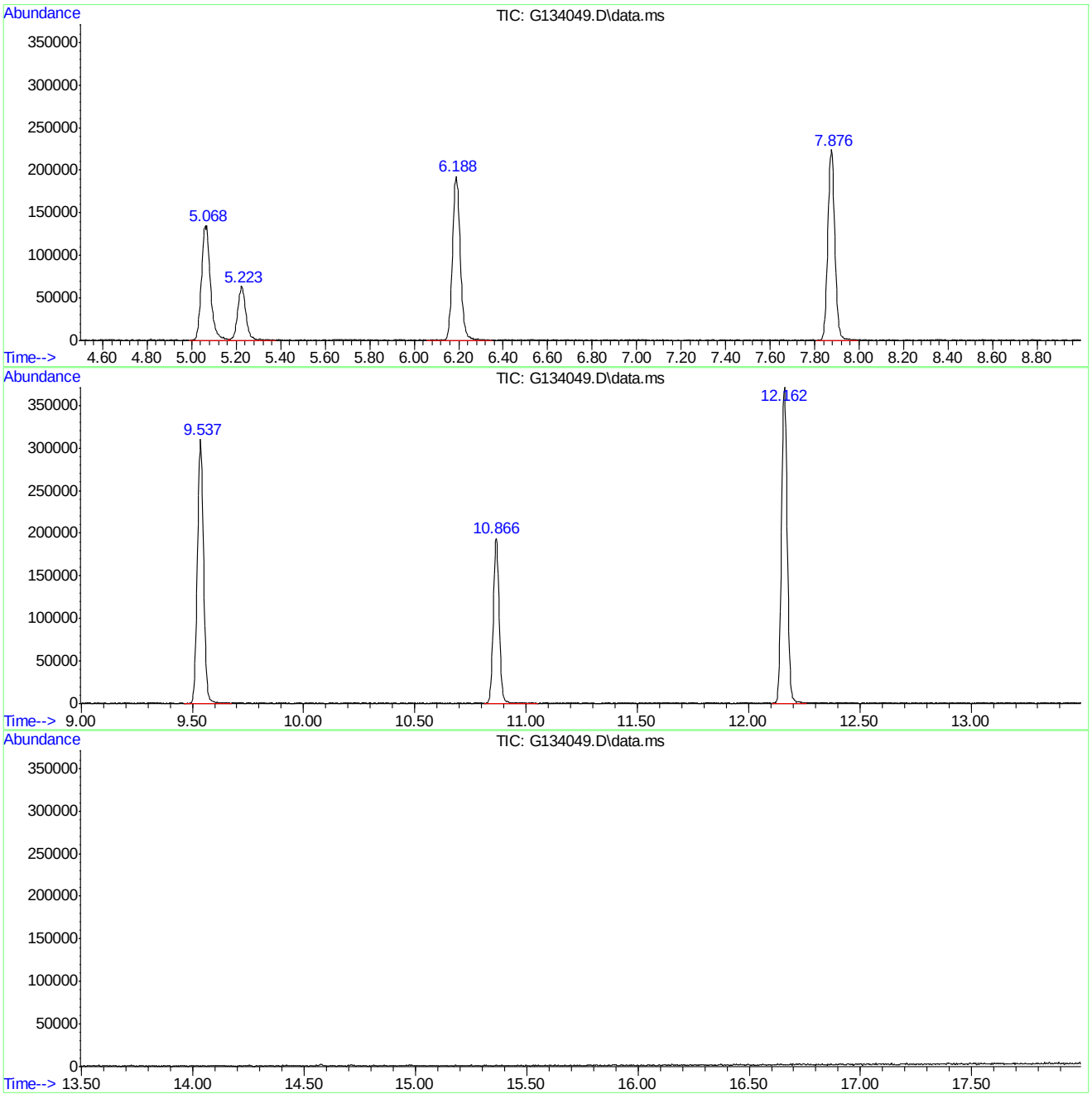
Sum of corrected areas: 3125056

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134049.D
Acq On : 13 Dec 2013 10:18 am
Operator : jaimem
Sample : mb
Misc : MS30768,MSG5173,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134049.D
Acq On : 13 Dec 2013 10:18 am
Operator : jaimem
Sample : mb
Misc : MS30768,MSG5173,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134049.D
Acq On : 13 Dec 2013 10:18 am
Operator : jaimem
Sample : mb
Misc : MS30768,MSG5173,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62166.D
Acq On : 14 Dec 2013 2:40 am
Operator : krystend
Sample : mb
Misc : MS30779,MSM2172,5,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 16 09:13:05 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

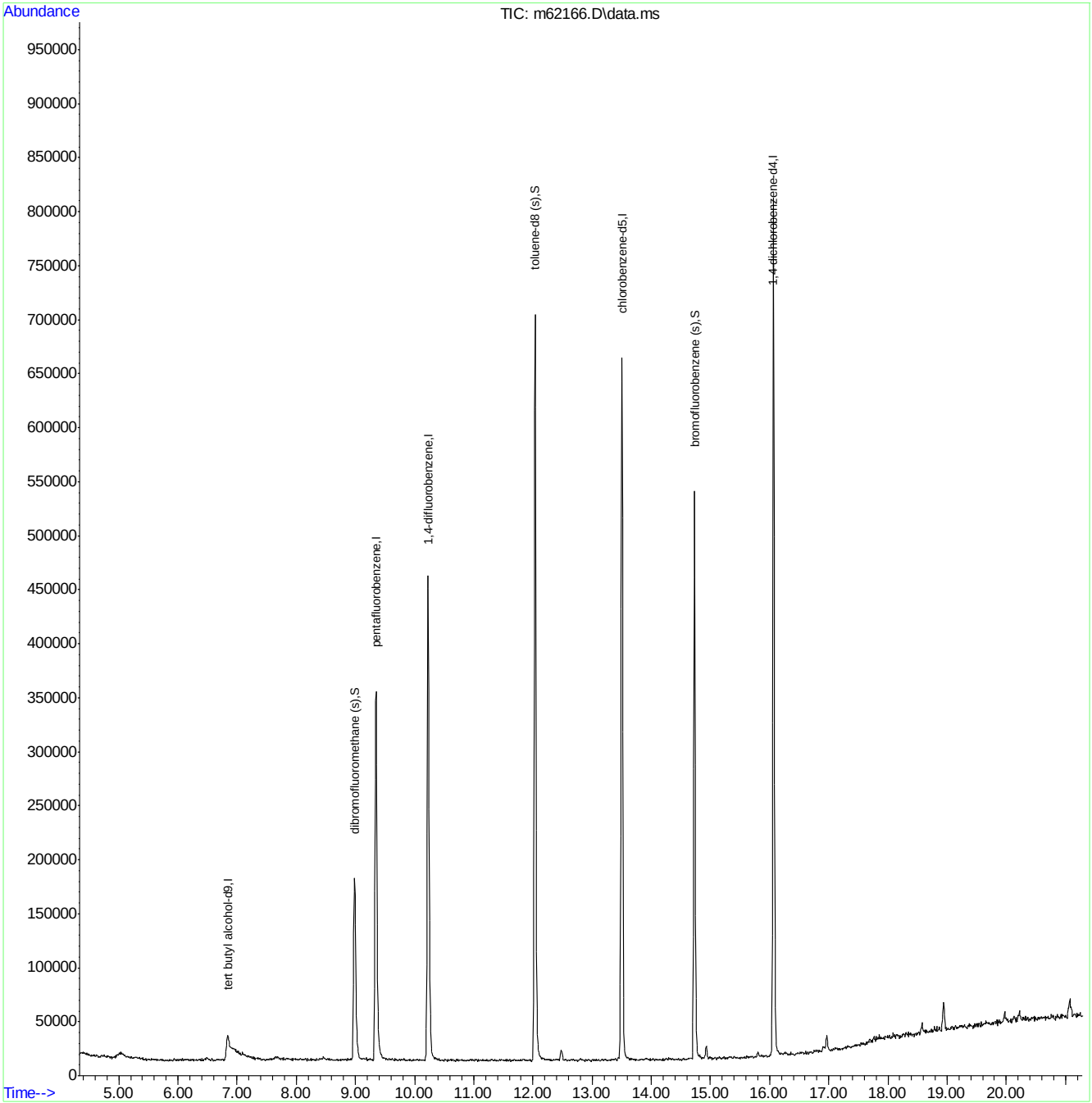
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	111612	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	306885	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	485056	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	203272	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	253537	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	147932	54.06	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.12%			
59) toluene-d8 (s)	12.036	98	528857	48.69	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.38%			
81) bromofluorobenzene (s)	14.731	95	200451	50.39	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.78%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62166.D
Acq On : 14 Dec 2013 2:40 am
Operator : krystend
Sample : mb
Misc : MS30779,MSM2172,5,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 16 09:13:05 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62166.D
Acq On : 14 Dec 2013 2:40 am
Operator : krystend
Sample : mb
Misc : MS30779,MSM2172,5,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131211S.M
Title : SW-846 Method 8260

Signal : TIC: m62166.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.933	233	238	245	rBV3	2603	5766	0.38%	0.064%
2	6.486	307	320	341	rVB4	3093	18775	1.22%	0.209%
3	6.695	341	351	361	rBV4	2109	9783	0.64%	0.109%
4	6.843	361	373	441	rVV2	23696	242515	15.80%	2.704%
5	7.557	467	479	483	rBV2	2192	7680	0.50%	0.086%
6	7.678	483	497	517	rVB3	3180	21065	1.37%	0.235%
7	7.948	535	537	549	rBV3	2751	10249	0.67%	0.114%
8	8.069	549	555	571	rVB4	2911	15153	0.99%	0.169%
9	8.459	609	613	659	rVB7	3884	18636	1.21%	0.208%
10	8.985	683	691	737	rVB	169100	469029	30.55%	5.231%
11	9.349	737	745	783	rBV	341599	829649	54.04%	9.252%
12	9.813	799	814	823	rVB3	2085	7939	0.52%	0.089%
13	10.224	867	875	901	rBV	449392	1013693	66.03%	11.305%
14	10.736	945	951	969	rBV3	1888	11224	0.73%	0.125%
15	11.019	991	993	1017	rBV3	1734	5412	0.35%	0.060%
16	11.437	1051	1055	1083	rVB4	2810	18837	1.23%	0.210%
17	11.679	1085	1091	1107	rVV3	1527	6275	0.41%	0.070%
18	12.036	1135	1144	1175	rBV	691808	1387278	90.36%	15.471%
19	12.346	1187	1190	1205	rBV3	1610	7704	0.50%	0.086%
20	12.474	1205	1209	1231	rVB5	9976	28488	1.86%	0.318%
21	12.804	1251	1258	1269	rVB4	3215	11607	0.76%	0.129%
22	13.007	1285	1288	1295	rBV3	2404	6159	0.40%	0.069%
23	13.505	1349	1362	1395	rVB	650357	1258715	81.99%	14.037%
24	13.923	1417	1424	1431	rBV5	1765	5813	0.38%	0.065%
25	14.731	1533	1544	1567	rBV	525260	948066	61.76%	10.573%
26	14.926	1567	1573	1627	rVB6	12314	48925	3.19%	0.546%
27	15.324	1627	1632	1671	rBV6	2854	28237	1.84%	0.315%
28	15.802	1699	1703	1731	rBV6	5383	21273	1.39%	0.237%
29	16.065	1735	1742	1863	rVV	794522	1535197	100.00%	17.120%
30	18.578	1871	2115	2163	rBV	23512	967981	63.05%	10.795%

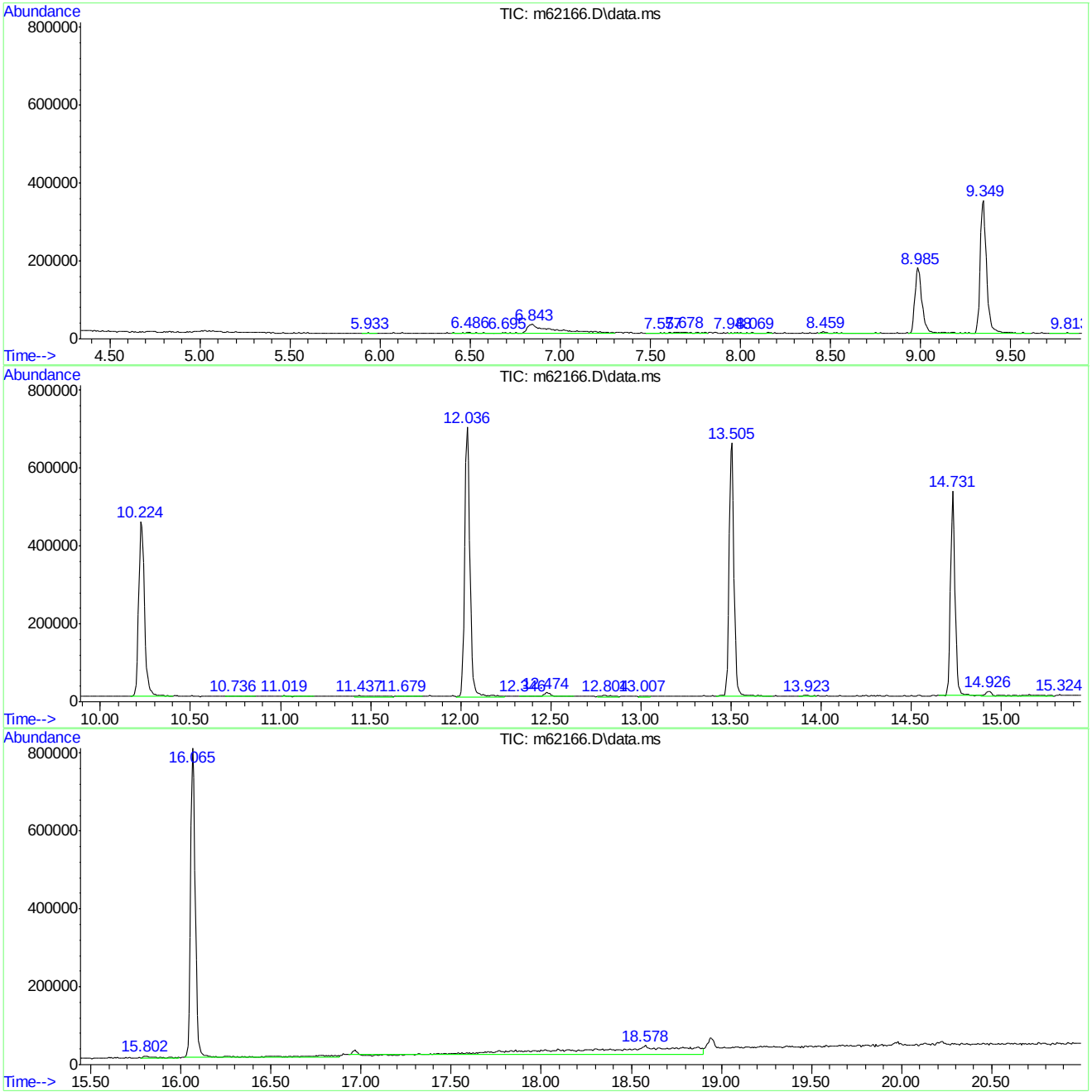
Sum of corrected areas: 8967123

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62166.D
Acq On : 14 Dec 2013 2:40 am
Operator : krystend
Sample : mb
Misc : MS30779,MSM2172,5,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62166.D
Acq On : 14 Dec 2013 2:40 am
Operator : krystend
Sample : mb
Misc : MS30779,MSM2172,5,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62166.D
Acq On : 14 Dec 2013 2:40 am
Operator : krystend
Sample : mb
Misc : MS30779,MSM2172,5,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
12/16/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134047.D
Acq On : 13 Dec 2013 9:20 am
Operator : jaimem
Sample : bs
Misc : MS30754,MSG5173,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 13 10:05:45 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.093	65	63778	500.00	ppb		0.00
4) pentafluorobenzene	5.066	168	123300	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.191	114	191092	50.00	ppb		0.00
66) chlorobenzene-d5	9.537	82	108691	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	110181	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.227	113	47113	54.80	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.60%				
60) toluene-d8 (s)	7.876	98	176951	52.57	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.14%				
82) bromofluorobenzene (s)	10.866	95	73547	45.31	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.62%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.163	59	56825	478.86	ppb		93
3) Ethanol	2.479	45	55783m	3263.24	ppb		
5) dichlorodifluoromethane	1.644	85	51943m	55.52	ppb		
6) chloromethane	1.825	50	62859	47.15	ppb		91
7) vinyl chloride	1.918	62	38460	71.07	ppb		90
8) bromomethane	2.283	96	33717	79.25	ppb		88
9) chloroethane	2.369	64	29566	65.18	ppb		90
10) ethyl ether	2.781	59	39129	43.79	ppb		95
11) acetonitrile	3.447	41	60261	34.16	ppb		96
12) trichlorofluoromethane	2.624	101	93573	67.10	ppb		95
13) freon-113	3.024	101	57844m	54.94	ppb		
14) acrolein	2.903	56	7933	58.58	ppb		92
15) 1,1-dichloroethene	3.148	96	56177	56.70	ppb		89
16) acetone	2.962	58	7155m	40.97	ppb		
17) Methyl Acetate	3.369	43	50000	36.65	ppb	#	80
18) methylene chloride	3.569	84	50992	50.99	ppb		91
19) methyl tert butyl ether	3.655	73	139417	52.56	ppb		99
20) acrylonitrile	3.632	53	41364	79.20	ppb		97
21) allyl chloride	3.449	41	61582	33.83	ppb		96
22) trans-1,2-dichloroethene	3.841	96	52789	55.55	ppb		88
23) iodomethane	3.424	142	91314	56.75	ppb		87
24) carbon disulfide	3.609	76	154895	51.87	ppb		100
25) propionitrile	4.714	54	7540	38.82	ppb		100
26) vinyl acetate	4.207	43	113849	42.06	ppb		93
27) chloroprene	4.305	53	93144	52.47	ppb		95
28) di-isopropyl ether	4.089	45	169081	40.00	ppb		94
29) methacrylonitrile	4.929	41	45903	45.27	ppb		86
30) 2-butanone	4.636	72	6100	44.79	ppb	#	86
31) Ethyl Acetate	4.803	43	40490	59.52	ug/L	#	98
32) Hexane	3.845	41	52800	42.72	ppb		99
33) 1,1-dichloroethane	4.233	63	94513	47.27	ppb		92
34) tert-butyl ethyl ether	4.501	59	163213	48.44	ppb		93
35) isobutyl alcohol	4.954	43	13847	211.72	ppb		74
36) 2,2-dichloropropane	4.782	77	34647	62.39	ppb		87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134047.D
Acq On : 13 Dec 2013 9:20 am
Operator : jaimem
Sample : bs
Misc : MS30754,MSG5173,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 13 10:05:45 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.831	96	50832	50.50	ppb		92
38) bromochloromethane	5.172	128	26698	57.45	ppb		88
39) chloroform	4.997	83	90257	53.75	ppb		93
41) Tetrahydrofuran	5.211	42	14328	36.59	ppb		91
42) 1,1,1-trichloroethane	5.432	97	70723	54.17	ppb		88
44) Cyclohexane	5.477	56	76912	37.32	ppb	#	96
45) carbon tetrachloride	5.731	117	82138	62.88	ppb		95
46) 1,1-dichloropropene	5.591	75	69629	54.16	ppb		93
47) benzene	5.891	78	182067	48.13	ppb		96
48) 1,2-dichloroethane	5.872	62	79143	55.61	ppb		98
49) tert-amyl methyl ether	5.712	73	131625	51.72	ppb		93
50) heptane	5.736	43	122272	43.17	ppb		92
51) trichloroethene	6.559	95	54436	53.61	ppb		93
52) 1,2-dichloropropane	6.756	63	49393	43.65	ppb		95
53) dibromomethane	7.074	93	32200	53.86	ppb		96
54) bromodichloromethane	7.015	83	72681	58.07	ppb		99
55) Methylcyclohexane	6.634	83	62541	41.35	ppb		98
56) 2-chloroethyl vinyl ether	7.346	63	20456	73.05	ppb		95
57) methyl methacrylate	6.814	69	32111	48.93	ppb		90
58) 1,4-dioxane	7.065	88	3398m	275.80	ppb		
59) cis-1,3-dichloropropene	7.608	75	81254	49.99	ppb		94
61) 4-methyl-2-pentanone	7.372	43	71173	47.95	ppb		95
62) toluene	7.963	92	126781	54.60	ppb		92
63) trans-1,3-dichloropropene	8.160	75	82607	59.24	ppb		98
64) 1,1,2-trichloroethane	8.334	83	36175	49.23	ppb		92
65) ethyl methacrylate	8.147	69	61245	49.94	ppb		91
67) tetrachloroethene	8.677	166	56229	50.04	ppb		85
68) 1,3-dichloropropane	8.610	76	72614	46.06	ppb		96
69) dibromochloromethane	8.903	129	60971	56.46	ppb		99
70) 1,2-dibromoethane	9.123	107	49881	48.94	ppb		100
71) 2-hexanone	8.340	43	50203	38.28	ppb		95
72) chlorobenzene	9.579	112	145848	46.71	ppb		95
73) 1,1,1,2-tetrachloroethane	9.626	131	56865	54.21	ppb		91
74) ethylbenzene	9.634	91	256128	49.18	ppb		94
75) m,p-xylene	9.718	106	193308	96.65	ppb		83
76) o-xylene	10.197	106	94153	46.97	ppb		94
77) styrene	10.236	104	160070	49.74	ppb		87
78) bromoform	10.610	173	41377	58.57	ppb		100
79) trans-1,4-dichloro-2-b...	10.643	53	24663	44.47	ppb		97
81) isopropylbenzene	10.589	105	255521	46.73	ppb		97
83) bromobenzene	11.079	156	64306	48.40	ppb	#	80
84) 1,1,2,2-tetrachloroethane	10.781	83	59272	42.93	ppb		99
85) 1,2,3-trichloropropane	10.941	75	49722	45.92	ppb		91
86) n-propylbenzene	11.028	91	277774	42.94	ppb		93
87) 2-chlorotoluene	11.223	91	205477	45.44	ppb		88
88) 4-chlorotoluene	11.276	91	190404	47.51	ppb		87
89) 1,3,5-trimethylbenzene	11.202	105	217016	47.82	ppb		94
90) tert-butylbenzene	11.597	91	150830	48.51	ppb		81
91) 1,2,4-trimethylbenzene	11.632	105	214425	47.49	ppb		92
92) sec-butylbenzene	11.824	105	256993	46.02	ppb		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134047.D
Acq On : 13 Dec 2013 9:20 am
Operator : jaimem
Sample : bs
Misc : MS30754,MSG5173,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 13 10:05:45 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

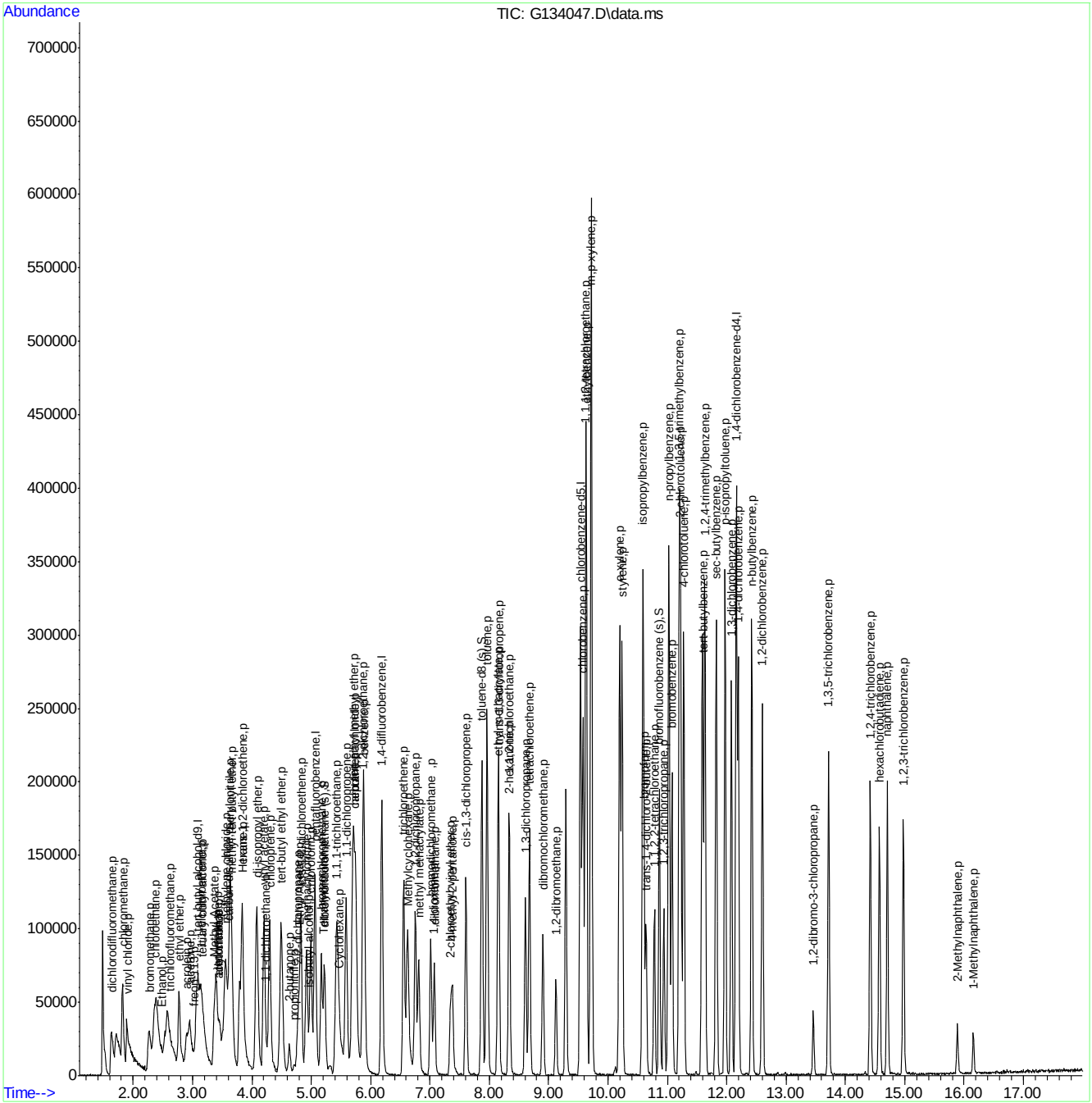
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.080	146	123929	46.61	ppb		93
94) p-isopropyltoluene	11.974	119	228345	50.37	ppb		94
95) 1,4-dichlorobenzene	12.196	146	121969	46.42	ppb		97
96) 1,2-dichlorobenzene	12.602	146	115799	45.81	ppb		96
97) n-butylbenzene	12.422	91	195839	46.49	ppb		92
98) 1,2-dibromo-3-chloropr...	13.460	75	12826	53.63	ppb	#	64
99) 1,3,5-trichlorobenzene	13.718	180	75236	46.30	ug/L		98
100) 1,2,4-trichlorobenzene	14.421	180	67663	49.01	ppb		98
101) hexachlorobutadiene	14.573	225	39847	56.94	ppb		98
102) naphthalene	14.708	128	168112	52.10	ppb		100
103) 2-Methylnaphthalene	15.888	142	17664	22.49	ug/L		98
104) 1-Methylnaphthalene	16.159	142	14124m	23.42	ug/L		
105) 1,2,3-trichlorobenzene	14.979	180	59081	55.35	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134047.D
Acq On : 13 Dec 2013 9:20 am
Operator : jaimem
Sample : bs
Misc : MS30754,MSG5173,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 13 10:05:45 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/16/13 10:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:10:46 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	118323	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	322986	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	517449	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	223762	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	278074	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	149184	51.51	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.02%			
59) toluene-d8 (s)	12.037	98	558933	47.92	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.84%			
81) bromofluorobenzene (s)	14.731	95	216797	49.61	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.22%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	241039	596.46	ug/kg	98
3) Ethanol	5.644	45	167777m	5532.96	ug/kg	
5) dichlorodifluoromethane	4.445	85	122852m	40.07	ug/kg	
6) chloromethane	4.701	50	197724	42.25	ug/kg	98
7) vinyl chloride	4.963	62	152649	33.76	ug/kg	94
8) bromomethane ...	5.502	96	124753	41.90	ug/kg	94
9) chloroethane	5.671	64	96912m	44.17	ug/kg	
10) ethyl ether	6.580	59	119954	47.25	ug/kg	92
11) acetonitrile	6.580	41	39105	48.08	ug/kg	88
12) trichlorofluoromethane	6.338	101	224266	42.87	ug/kg	97
13) freon-113	7.146	101	130711	51.81	ug/kg	97
14) acrolein	6.358	56	19622	26.65	ug/kg	81
15) 1,1-dichloroethene	6.951	96	141347	46.94	ug/kg	99
16) acetone	6.560	58	20045	33.08	ug/kg#	33
17) Methyl Acetate	7.139	43	166100	43.75	ug/kg	91
18) methylene chloride	7.106	84	161660m	48.98	ug/kg	
19) methyl tert butyl ether	7.900	73	325406	47.58	ug/kg	94
20) acrylonitrile	7.011	53	125987	84.50	ug/kg	93
21) allyl chloride	7.200	41	286581	48.42	ug/kg	99
22) trans-1,2-dichloroethene	7.813	96	168229	50.17	ug/kg	94
23) iodomethane	7.005	142	321487	56.28	ug/kg	90
24) carbon disulfide	7.389	76	453062	52.56	ug/kg	100
25) propionitrile	8.163	54	23960	47.41	ug/kg	100
26) vinyl acetate	8.190	43	123936	17.55	ug/kg	100
27) chloroprene	8.446	53	290325	54.47	ug/kg	98
28) di-isopropyl ether	8.480	45	600461	45.83	ug/kg	99
29) methacrylonitrile	8.601	41	99451	43.25	ug/kg	98
30) 2-butanone	8.507	72	18734	37.00	ug/kg#	28
31) 1,1-dichloroethane	8.069	63	292215	50.03	ug/kg	96
32) tert-butyl ethyl ether	8.884	59	409140	49.84	ug/kg	99
33) isobutyl alcohol	8.877	43	78889m	218.60	ug/kg	
34) 2,2-dichloropropane	8.951	77	162315	47.13	ug/kg	97
35) cis-1,2-dichloroethene	8.655	96	185284	47.71	ug/kg	94
36) ethyl acetate	8.877	43	127411m	53.29	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:10:46 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	106847	49.91	ug/kg	91
38) chloroform	8.864	83	281190	49.07	ug/kg	96
40) Tetrahydrofuran	9.194	42	62979	43.46	ug/kg	97
41) 1,1,1-trichloroethane	9.625	97	239941	51.65	ug/kg	97
43) Cyclohexane	9.915	56	277699	46.42	ug/kg	98
44) carbon tetrachloride	9.995	117	259706	54.62	ug/kg	98
45) 1,1-dichloropropene	9.800	75	206377	49.78	ug/kg	97
46) benzene	10.029	78	633070	46.21	ug/kg	98
47) 1,2-dichloroethane	9.524	62	217430	50.43	ug/kg	98
48) tert-amyl methyl ether	10.144	73	307807	48.47	ug/kg	99
49) heptane	10.507	43	279874	41.71	ug/kg	98
50) trichloroethene	10.656	95	184110	46.55	ug/kg	98
51) 1,2-dichloropropane	10.622	63	175981	46.41	ug/kg	100
52) dibromomethane	10.595	93	110078	49.34	ug/kg	94
53) bromodichloromethane	10.710	83	235591	52.29	ug/kg	99
54) Methylcyclohexane	11.174	83	270517	48.14	ug/kg	99
55) 2-chloroethyl vinyl ether	11.080	63	53995	54.35	ug/kg	97
56) methyl methacrylate	10.797	69	112581	51.49	ug/kg	99
57) 1,4-dioxane	10.838	88	9066	276.94	ug/kg	76
58) cis-1,3-dichloropropene	11.329	75	251859	46.34	ug/kg	97
60) 4-methyl-2-pentanone	11.417	43	225264	52.93	ug/kg	99
61) toluene	12.111	92	428251	49.71	ug/kg	97
62) trans-1,3-dichloropropene	11.754	75	234314	52.86	ug/kg	97
63) 1,1,2-trichloroethane	11.922	83	131305	52.15	ug/kg	97
64) ethyl methacrylate	12.124	69	185326	46.05	ug/kg	95
66) tetrachloroethene	12.852	166	206222	49.92	ug/kg	97
67) 1,3-dichloropropane	12.158	76	242808	52.53	ug/kg	99
68) dibromochloromethane	12.454	129	259621	61.55	ug/kg	98
69) 1,2-dibromoethane	12.704	107	178095	53.91	ug/kg	95
70) 2-hexanone	12.279	43	171351	47.76	ug/kg	100
71) chlorobenzene	13.539	112	576531	52.13	ug/kg	98
72) 1,1,1,2-tetrachloroethane	13.458	131	252288	63.13	ug/kg	97
73) ethylbenzene	13.707	91	860990	52.76	ug/kg	100
74) m,p-xylene	13.896	106	726021	104.53	ug/kg	100
75) o-xylene	14.307	106	376018	53.67	ug/kg	97
76) styrene	14.233	104	615457m	55.17	ug/kg	
77) bromoform	14.064	173	191005	68.19	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.455	53	80616	59.78	ug/kg	93
80) isopropylbenzene	14.671	105	995647	49.64	ug/kg	98
82) bromobenzene	14.967	156	289124	54.14	ug/kg	98
83) 1,1,2,2-tetrachloroethane	14.313	83	285839	60.90	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	289117	57.49	ug/kg	97
85) n-propylbenzene	15.115	91	1027372	46.65	ug/kg	99
86) 2-chlorotoluene	15.236	91	666856	49.48	ug/kg	98
87) 4-chlorotoluene	15.310	91	678402	51.02	ug/kg	99
88) 1,3,5-trimethylbenzene	15.391	105	856364	50.95	ug/kg	97
89) tert-butylbenzene	15.701	91	477510	52.45	ug/kg	98
90) 1,2,4-trimethylbenzene	15.802	105	844086	50.77	ug/kg	99
91) sec-butylbenzene	15.924	105	1184019	51.72	ug/kg	100
92) 1,3-dichlorobenzene	16.031	146	579727	53.69	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:10:46 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

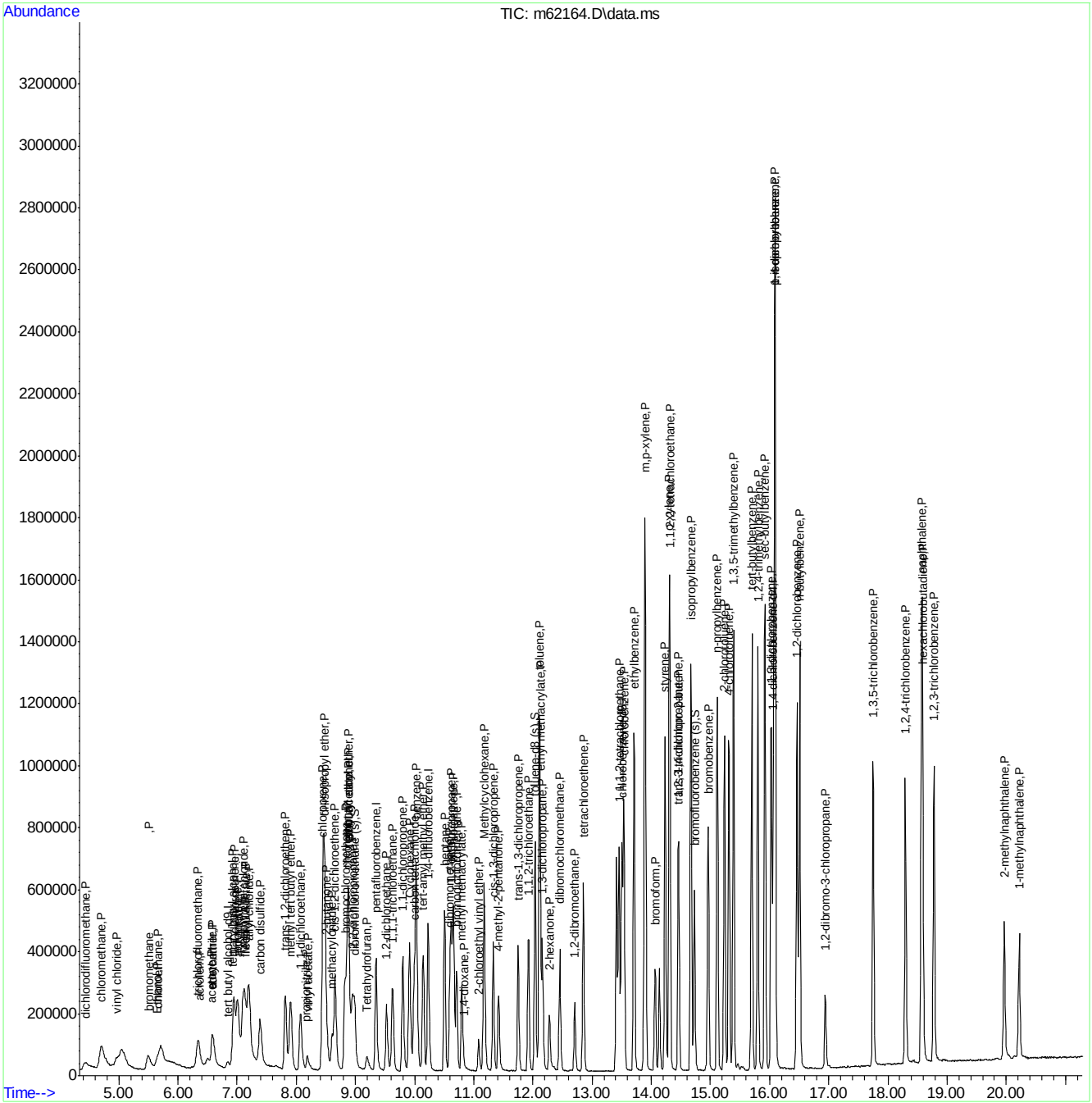
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	1049231	52.72	ug/kg	98
94) 1,4-dichlorobenzene	16.092	146	603136	54.59	ug/kg	99
95) 1,2-dichlorobenzene	16.462	146	605616	56.34	ug/kg	98
96) n-butylbenzene	16.510	91	829074	49.51	ug/kg	99
97) 1,2-dibromo-3-chloropr...	16.941	75	57731	56.32	ug/kg	96
98) 1,3,5-trichlorobenzene	17.749	180	365821	46.57	ug/kg	99
99) 1,2,4-trichlorobenzene	18.295	180	368521	49.13	ug/kg	99
100) hexachlorobutadiene	18.591	225	182317	52.07	ug/kg	99
101) naphthalene	18.571	128	1192700	56.38	ug/kg	100
102) 1,2,3-trichlorobenzene	18.780	180	379925	51.86	ug/kg	93
103) 2-methylnaphthalene	19.965	142	310922	26.05	ug/kg	99
104) 1-methylnaphthalene	20.221	TIC	873175	25.17	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

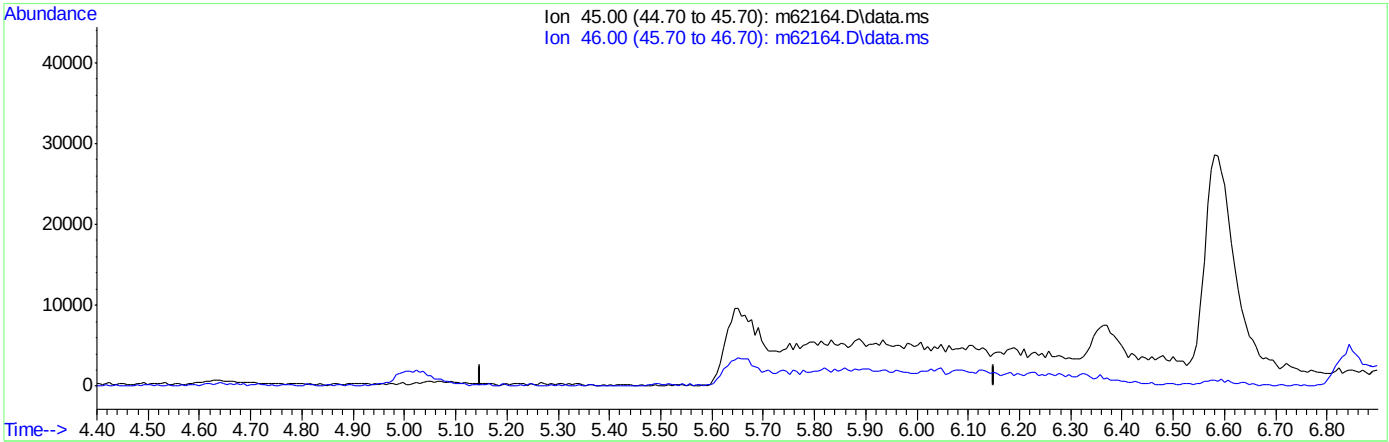
Quant Time: Dec 16 09:10:46 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

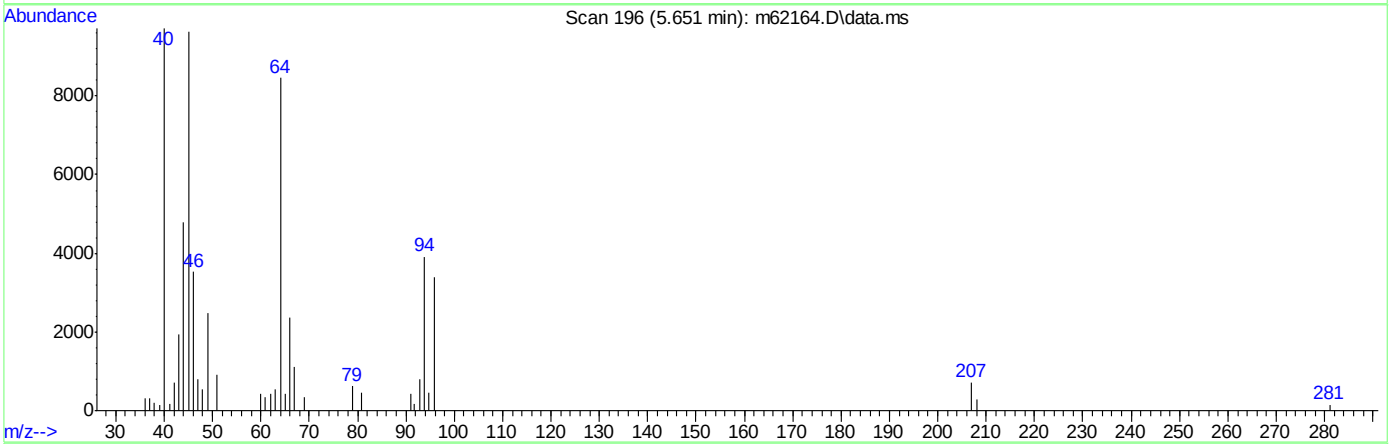


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(3) Ethanol (P)

5.650min (-5.650) 0.00ug/kg

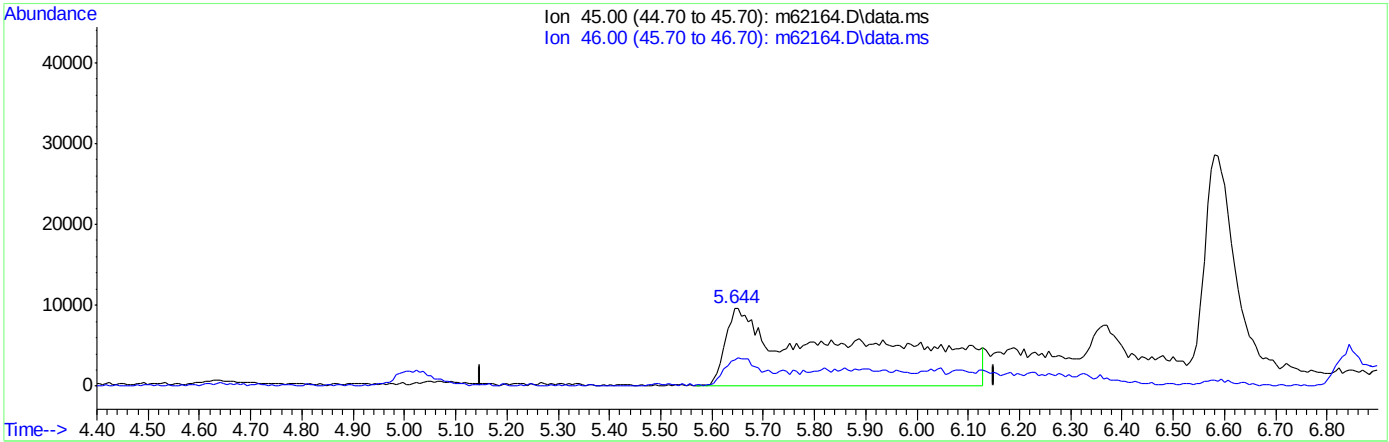
response 0

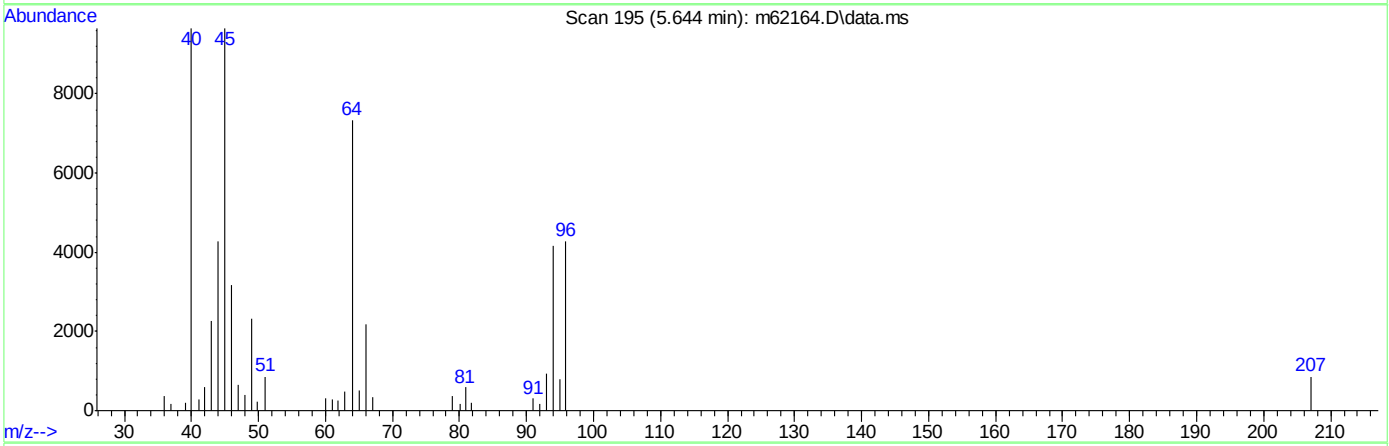
Ion	Exp%	Act%
45.00	100	0.00
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(3) Ethanol (P)

5.644min (-0.006) 5532.96ug/kg m

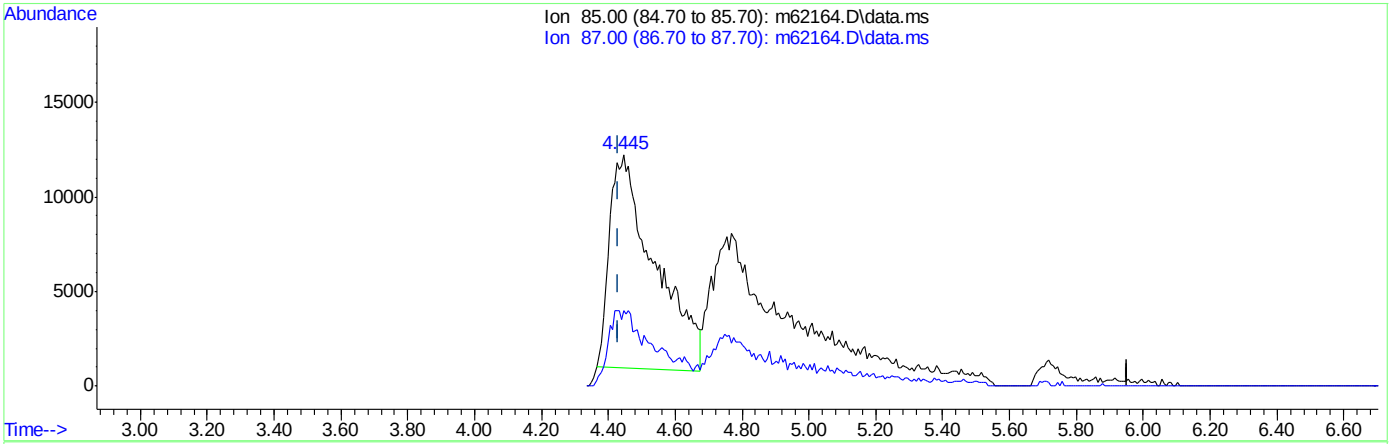
response 167777

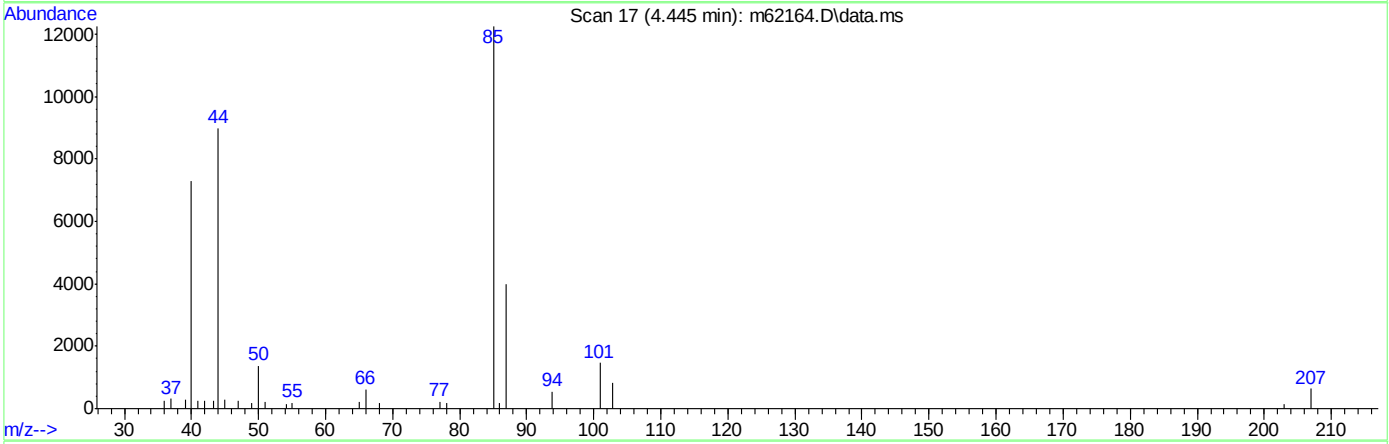
Ion	Exp%	Act%
45.00	100	100
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(5) dichlorodifluoromethane (P)

4.445min (+0.014) 34.59ug/kg

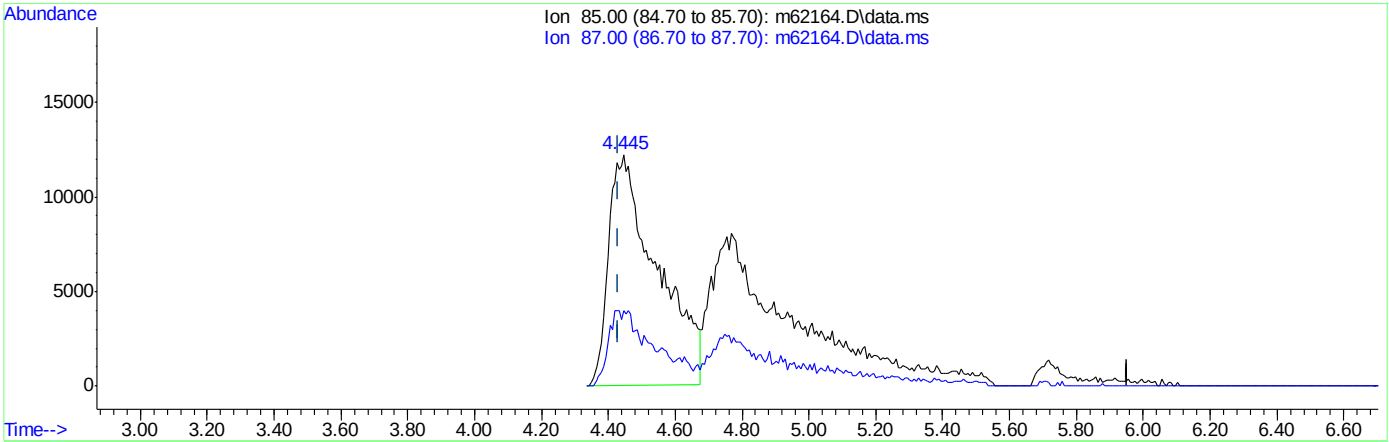
response 106058

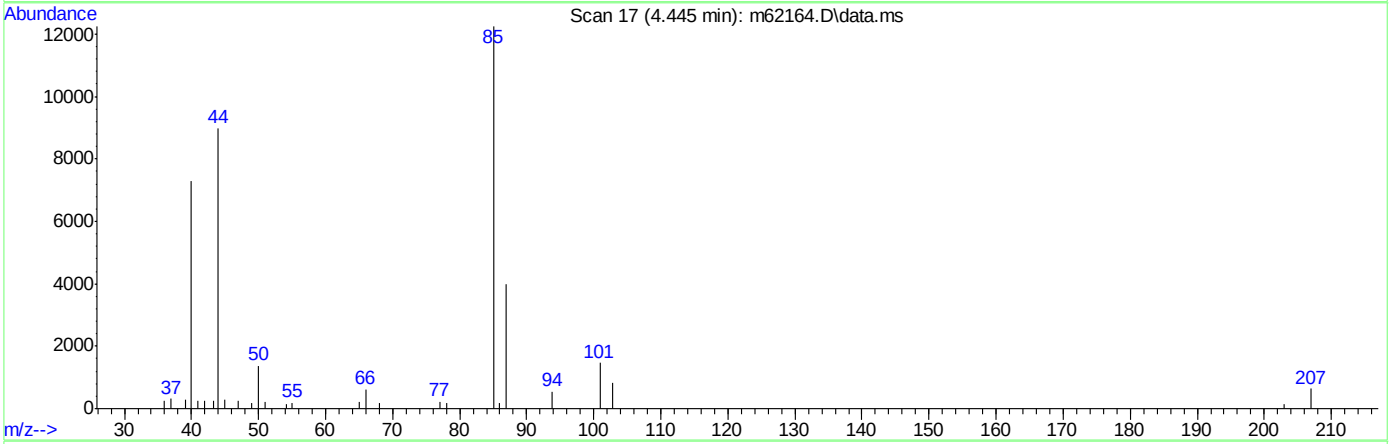
Ion	Exp%	Act%
85.00	100	100
87.00	32.00	32.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(5) dichlorodifluoromethane (P)

4.445min (+0.014) 40.07ug/kg m

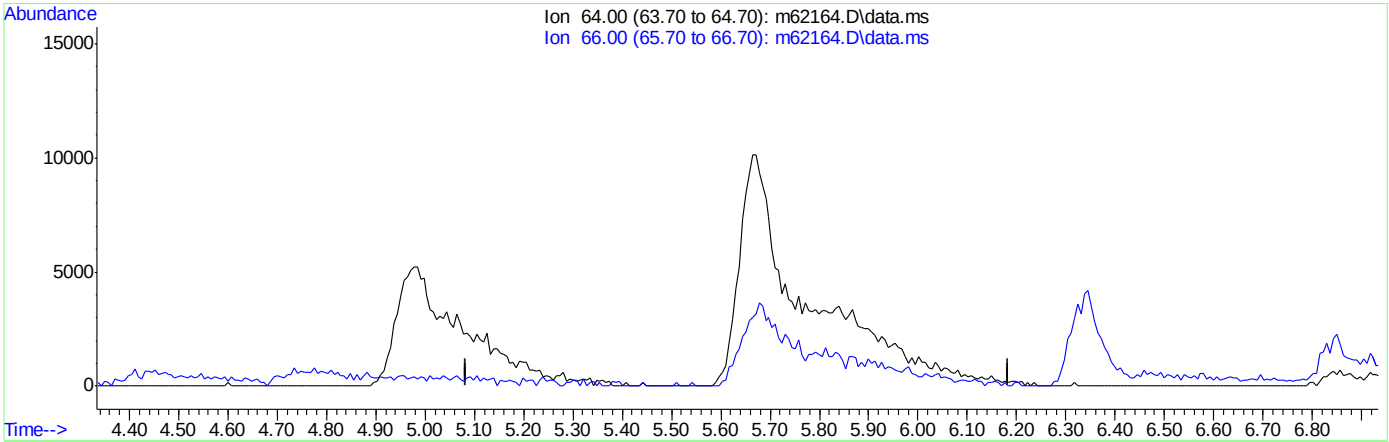
response 122852

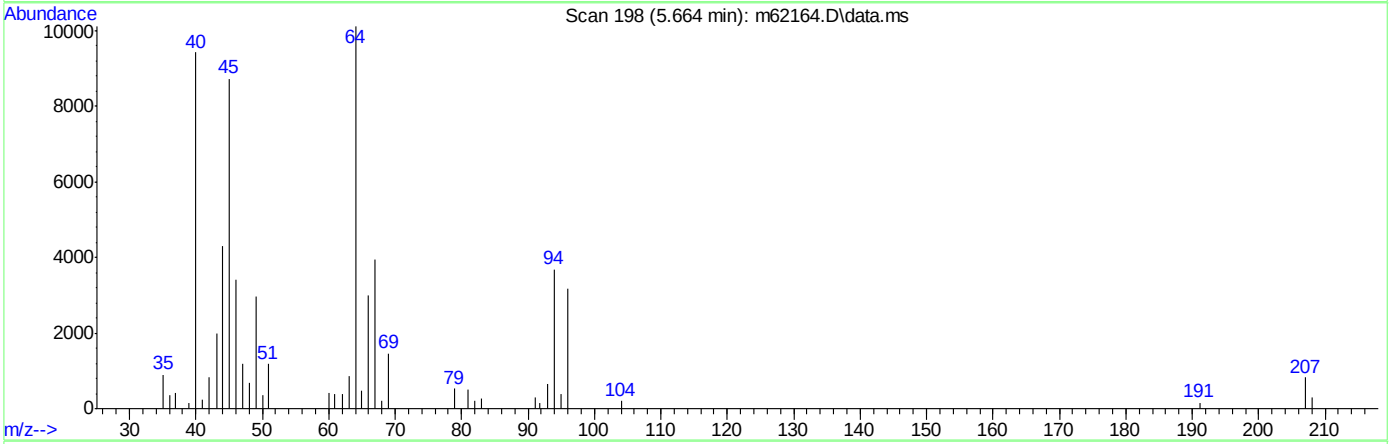
Ion	Exp%	Act%
85.00	100	100
87.00	32.00	32.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(9) chloroethane (P)

5.664min (-5.664) 0.00ug/kg

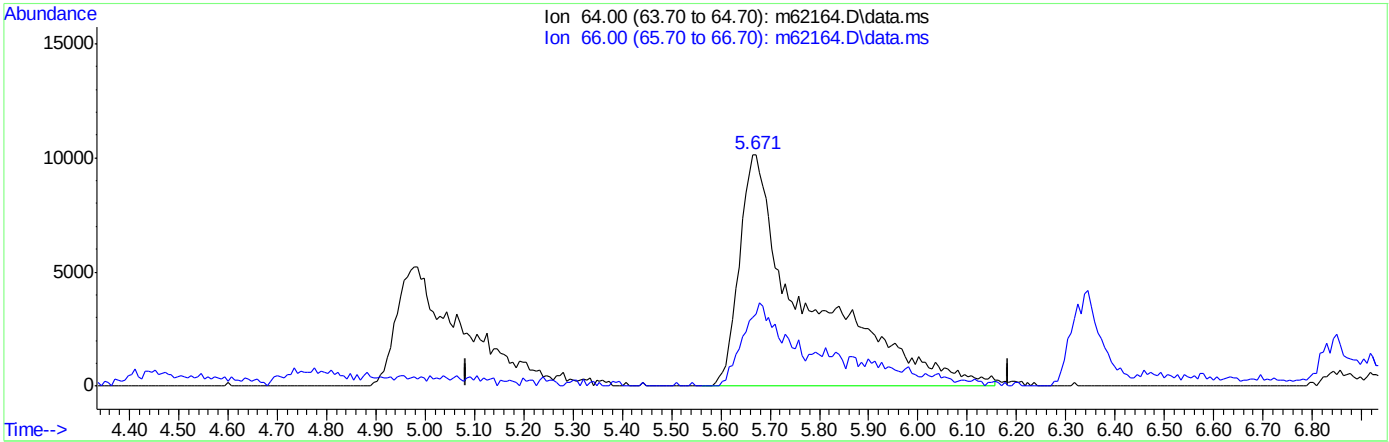
response 0

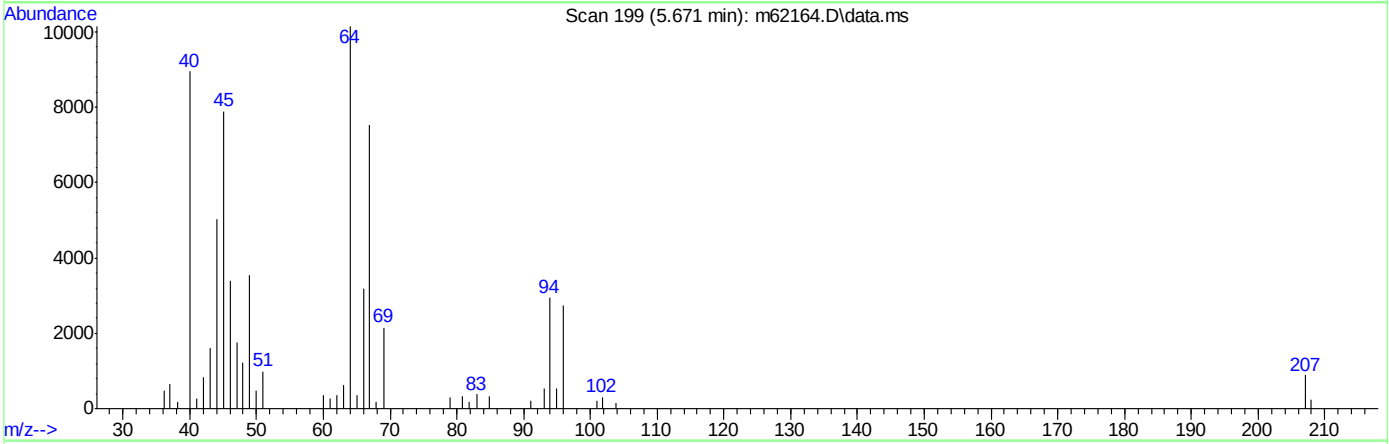
Ion	Exp%	Act%
64.00	100	0.00
66.00	28.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(9) chloroethane (P)

5.671min (+0.007) 44.17ug/kg m

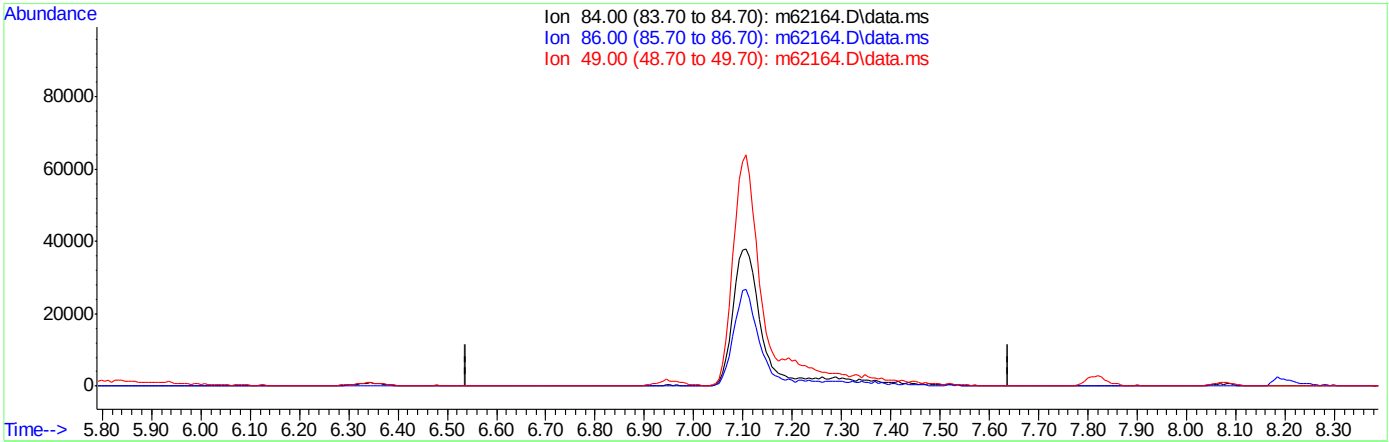
response 96912

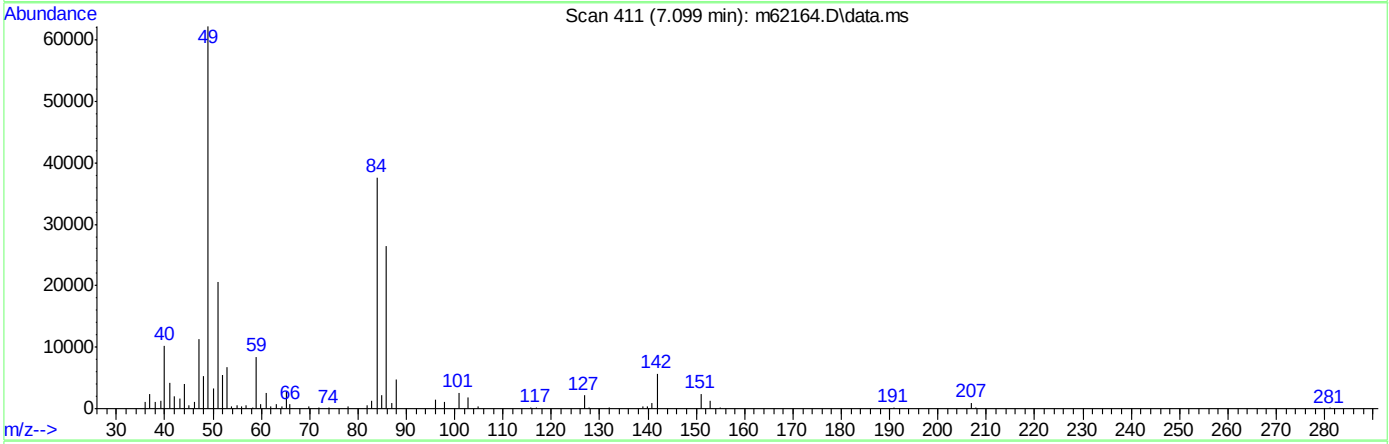
Ion	Exp%	Act%
64.00	100	100
66.00	28.60	31.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(18) methylene chloride (P)

7.099min (-7.099) 0.00ug/kg

response 0

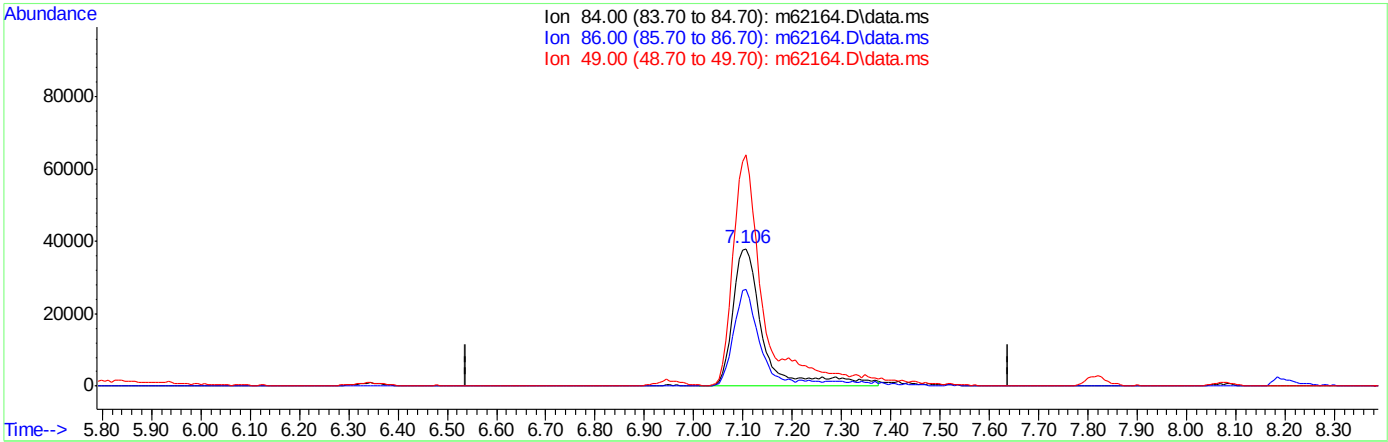
Ion	Exp%	Act%
84.00	100	0.00
86.00	67.80	0.00#
49.00	167.00	0.00#
0.00	0.00	0.00

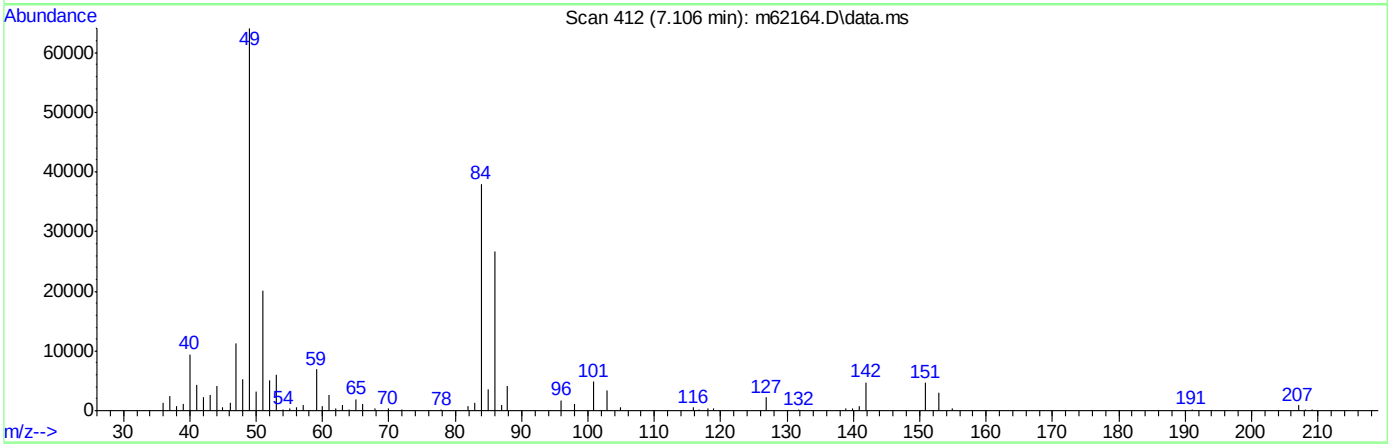
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(18) methylene chloride (P)

7.106min (+0.007) 48.98ug/kg m

response 161660

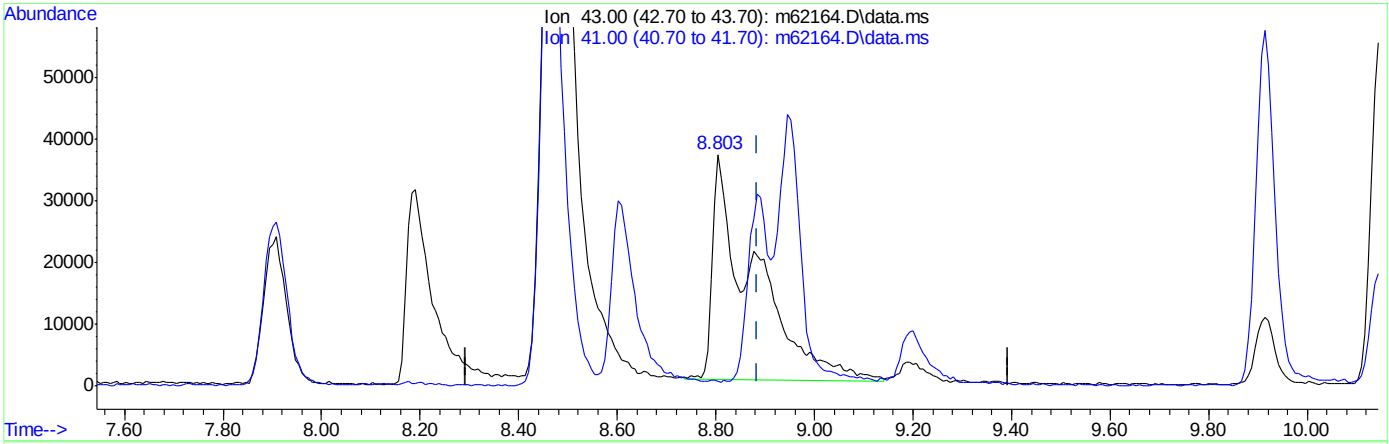
Ion	Exp%	Act%
84.00	100	100
86.00	67.80	70.18
49.00	167.00	168.50
0.00	0.00	0.00

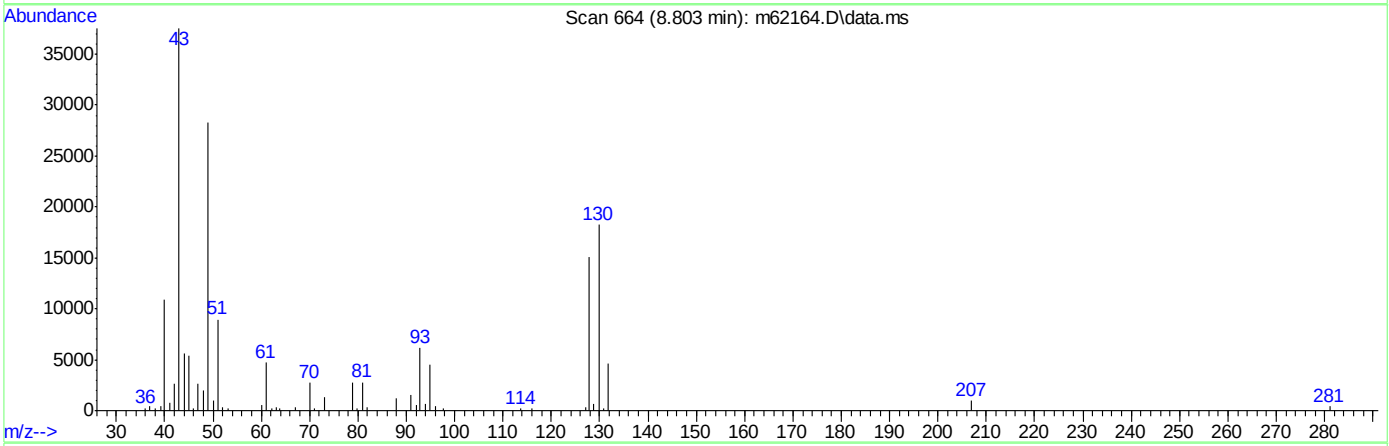
M62164.D edits: methylene chloride

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(33) isobutyl alcohol (P)

8.803min (-0.081) 596.72ug/kg

response 215345

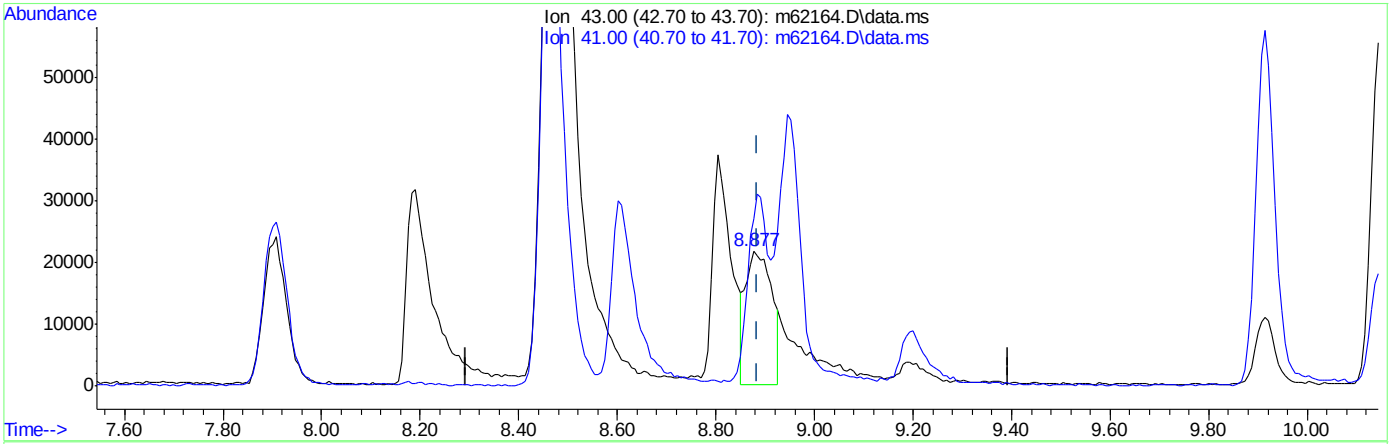
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

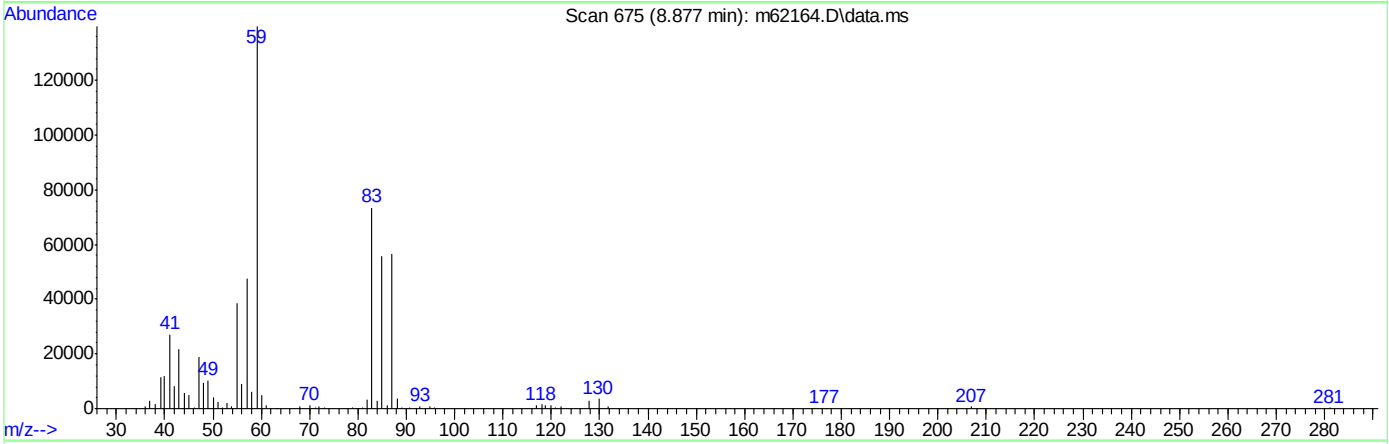
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(33) isobutyl alcohol (P)

8.877min (-0.007) 218.60ug/kg m

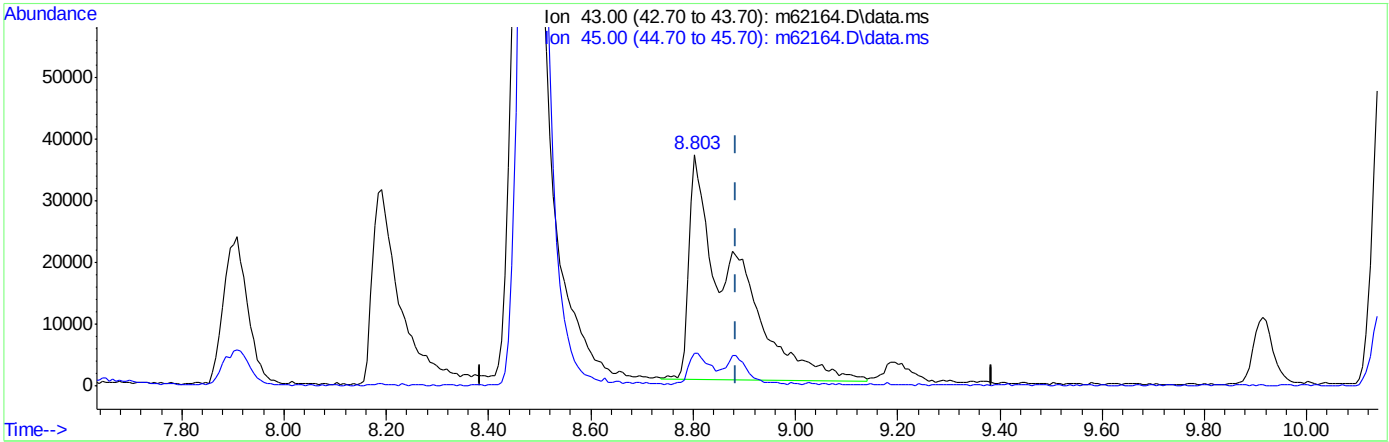
response 78889

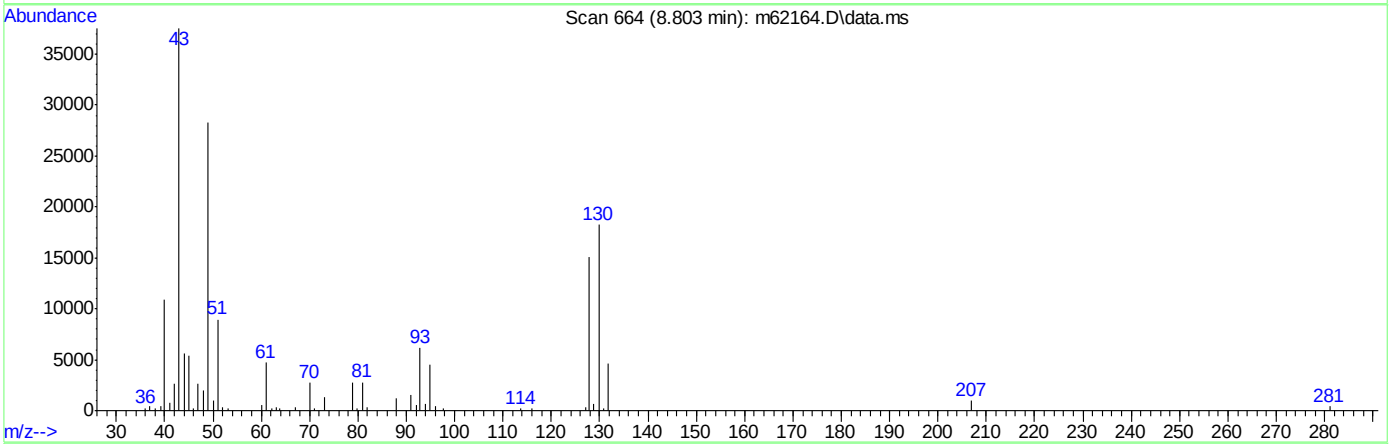
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	124.27
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(36) ethyl acetate (P)

8.803min (-0.081) 90.04ug/kg

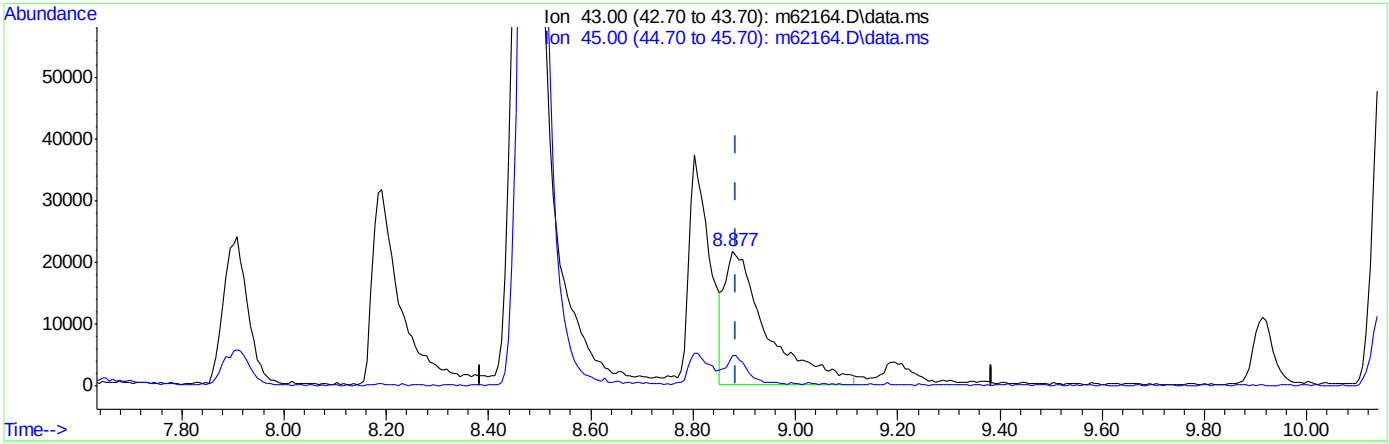
response 215260

Ion	Exp%	Act%
43.00	100	100
45.00	22.10	14.15
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:07:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration



TIC: m62164.D\data.ms

(36) ethyl acetate (P)

8.877min (-0.007) 53.29ug/kg m

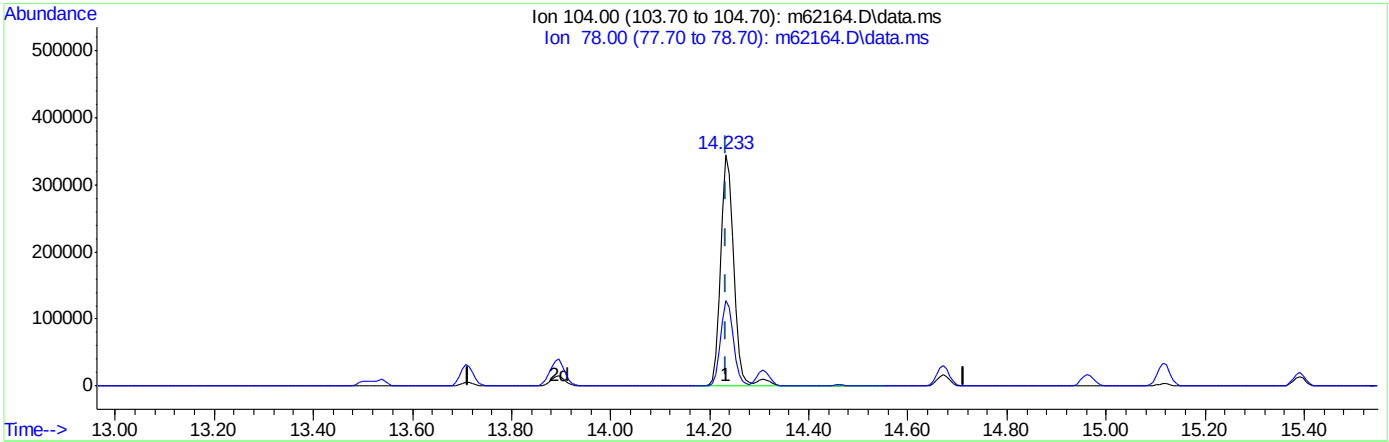
response 127411

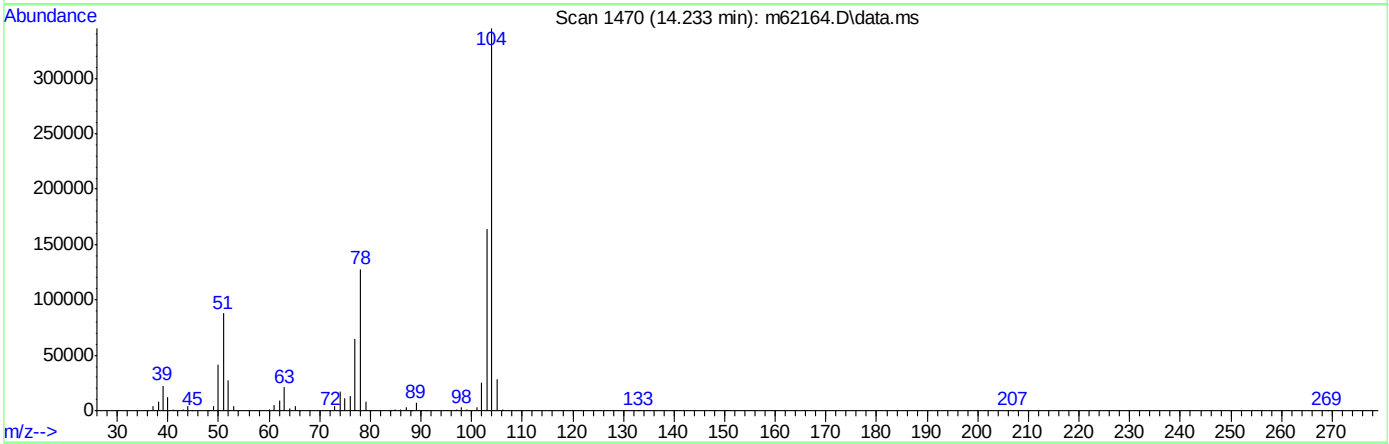
Ion	Exp%	Act%
43.00	100	100
45.00	22.10	22.49
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:08:55 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(76) styrene (P)

14.233min (-0.000) 57.38ug/kg

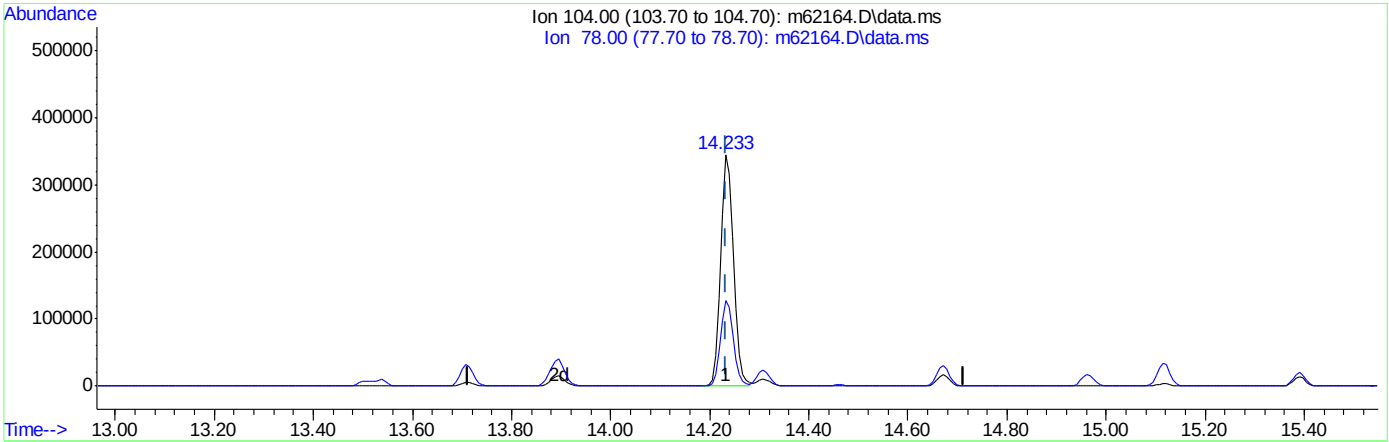
response 640029

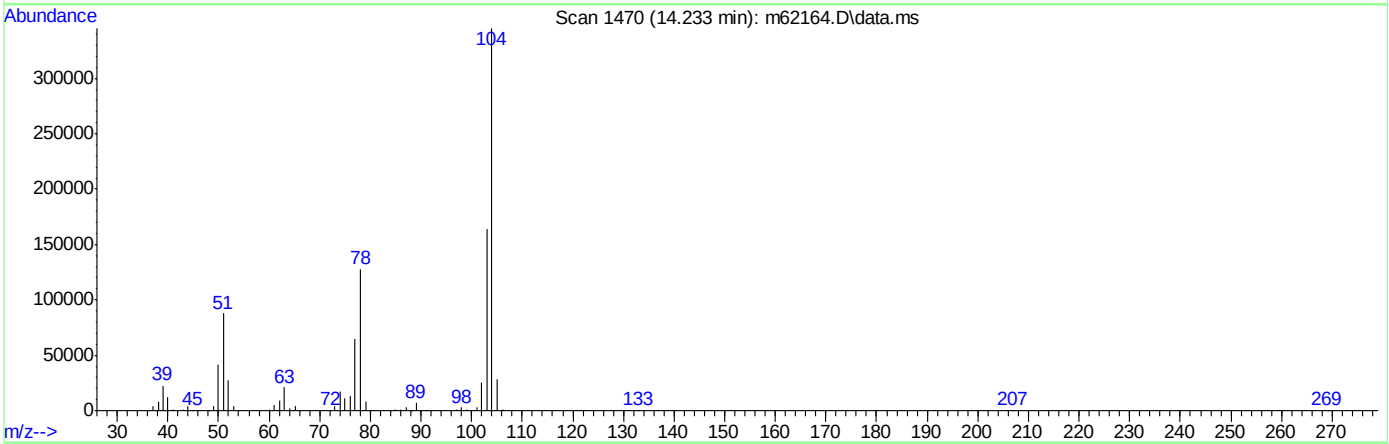
Ion	Exp%	Act%
104.00	100	100
78.00	39.00	37.10
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62164.D
Acq On : 14 Dec 2013 1:40 am
Operator : krystend
Sample : bs
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:08:55 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62164.D\data.ms

(76) styrene (P)

14.233min (-0.000) 55.17ug/kg m

response 615457

Ion	Exp%	Act%
104.00	100	100
78.00	39.00	37.10
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
12/16/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134067.D
Acq On : 13 Dec 2013 6:56 pm
Operator : jaimem
Sample : mc26964-6ms
Misc : MS30768,MSG5173,12.689,,100,10,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 16 07:35:54 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.092	65	67704	500.00	ppb		0.00
4) pentafluorobenzene	5.068	168	116000	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.192	114	180904	50.00	ppb		0.00
66) chlorobenzene-d5	9.537	82	103401	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	101625	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.227	113	46053	56.94	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 113.88%				
60) toluene-d8 (s)	7.876	98	169829	53.30	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.60%				
82) bromofluorobenzene (s)	10.866	95	69918	46.70	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.40%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.162	59	54179	430.09	ppb		94
3) Ethanol	2.478	45	57975m	3194.80	ppb		
5) dichlorodifluoromethane	1.644	85	49840m	56.63	ppb		
6) chloromethane	1.825	50	61430	48.98	ppb		98
7) vinyl chloride	1.920	62	39233	77.06	ppb		86
8) bromomethane	2.283	96	31396	78.44	ppb		87
9) chloroethane	2.370	64	28146	65.95	ppb		99
10) ethyl ether	2.778	59	36028	42.86	ppb		95
11) acetonitrile	3.450	41	59021	35.56	ppb	#	64
12) trichlorofluoromethane	2.619	101	89805	68.45	ppb		95
13) freon-113	3.007	101	50735m	51.22	ppb		
14) acrolein	2.904	56	7357	57.74	ppb		92
15) 1,1-dichloroethene	3.147	96	53802	57.72	ppb		94
16) acetone	2.963	58	5592	34.03	ppb	#	74
17) Methyl Acetate	3.369	43	48840	38.05	ppb	#	89
18) methylene chloride	3.576	84	50363	53.53	ppb		91
19) methyl tert butyl ether	3.656	73	133993	53.70	ppb		97
20) acrylonitrile	3.634	53	40738	82.91	ppb		96
21) allyl chloride	3.450	41	59229	34.59	ppb		85
22) trans-1,2-dichloroethene	3.845	96	50046	55.97	ppb		91
23) iodomethane	3.429	142	88702	58.60	ppb		76
24) carbon disulfide	3.613	76	153910	54.79	ppb		90
25) propionitrile	4.720	54	7660	41.92	ppb		100
26) vinyl acetate	4.203	43	102734	40.34	ppb		98
27) chloroprene	4.306	53	92314	55.27	ppb		89
28) di-isopropyl ether	4.089	45	160601	40.38	ppb		85
29) methacrylonitrile	4.926	41	43358	45.46	ppb		94
30) 2-butanone	4.632	72	5372	41.92	ppb	#	68
31) Ethyl Acetate	4.804	43	40471	63.24	ug/L	#	100
32) Hexane	3.846	41	52663	45.29	ppb		87
33) 1,1-dichloroethane	4.230	63	87408	46.47	ppb		92
34) tert-butyl ethyl ether	4.501	59	156589	49.40	ppb		92
35) isobutyl alcohol	4.950	43	11995	194.94	ppb		90
36) 2,2-dichloropropane	4.785	77	32066	61.37	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134067.D
Acq On : 13 Dec 2013 6:56 pm
Operator : jaimem
Sample : mc26964-6ms
Misc : MS30768,MSG5173,12.689,,100,10,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 16 07:35:54 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.832	96	51101	53.97	ppb		90
38)	bromochloromethane	5.172	128	25271	57.80	ppb		92
39)	chloroform	4.999	83	88427	55.97	ppb		97
41)	Tetrahydrofuran	5.214	42	15436	41.90	ppb		91
42)	1,1,1-trichloroethane	5.433	97	70816	57.66	ppb		97
44)	Cyclohexane	5.493	56	77214	39.57	ppb		98
45)	carbon tetrachloride	5.731	117	83040	67.15	ppb		77
46)	1,1-dichloropropene	5.592	75	70292	57.75	ppb		89
47)	benzene	5.891	78	177613	49.60	ppb		97
48)	1,2-dichloroethane	5.871	62	77114	57.23	ppb		95
49)	tert-amyl methyl ether	5.713	73	127639	52.97	ppb		89
50)	heptane	5.737	43	118228	44.09	ppb		95
51)	trichloroethene	6.560	95	106658	110.95	ppb		91
52)	1,2-dichloropropane	6.757	63	46805	43.69	ppb		98
53)	dibromomethane	7.074	93	30963	54.71	ppb		92
54)	bromodichloromethane	7.015	83	69169	58.37	ppb		99
55)	Methylcyclohexane	6.639	83	65354	45.64	ppb		95
56)	2-chloroethyl vinyl ether	7.346	63	19915	75.13	ppb		96
57)	methyl methacrylate	6.813	69	31403	50.55	ppb		85
58)	1,4-dioxane	7.072	88	3408m	292.19	ppb		
59)	cis-1,3-dichloropropene	7.608	75	75926	49.34	ppb		98
61)	4-methyl-2-pentanone	7.371	43	70021	49.83	ppb		95
62)	toluene	7.964	92	121040	55.06	ppb		96
63)	trans-1,3-dichloropropene	8.160	75	76324	57.81	ppb		99
64)	1,1,2-trichloroethane	8.334	83	34522	49.63	ppb		94
65)	ethyl methacrylate	8.147	69	59858	51.56	ppb		87
67)	tetrachloroethene	8.677	166	58575	54.80	ppb		94
68)	1,3-dichloropropane	8.611	76	68209	45.48	ppb		99
69)	dibromochloromethane	8.903	129	57777	56.24	ppb		92
70)	1,2-dibromoethane	9.123	107	46907	48.37	ppb		89
71)	2-hexanone	8.341	43	40111	32.15	ppb		91
72)	chlorobenzene	9.580	112	140471	47.29	ppb		91
73)	1,1,1,2-tetrachloroethane	9.626	131	55398	55.51	ppb		95
74)	ethylbenzene	9.634	91	247636	49.98	ppb		95
75)	m,p-xylene	9.718	106	187403	98.49	ppb		88
76)	o-xylene	10.198	106	90499	47.46	ppb	#	78
77)	styrene	10.236	104	152818	49.92	ppb		91
78)	bromoform	10.610	173	38542	57.34	ppb		93
79)	trans-1,4-dichloro-2-b...	10.643	53	22818	43.25	ppb		90
81)	isopropylbenzene	10.589	105	245958	48.76	ppb		95
83)	bromobenzene	11.080	156	61978	50.58	ppb		89
84)	1,1,2,2-tetrachloroethane	10.781	83	54499	42.79	ppb		93
85)	1,2,3-trichloropropane	10.941	75	45670	45.73	ppb		87
86)	n-propylbenzene	11.028	91	268446	44.99	ppb		92
87)	2-chlorotoluene	11.223	91	195479	46.87	ppb		86
88)	4-chlorotoluene	11.276	91	178975	48.42	ppb		91
89)	1,3,5-trimethylbenzene	11.202	105	209021	49.94	ppb		92
90)	tert-butylbenzene	11.597	91	143870	50.17	ppb	#	78
91)	1,2,4-trimethylbenzene	11.632	105	204245	49.04	ppb		92
92)	sec-butylbenzene	11.824	105	245562	47.68	ppb		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134067.D
Acq On : 13 Dec 2013 6:56 pm
Operator : jaimem
Sample : mc26964-6ms
Misc : MS30768,MSG5173,12.689,,100,10,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 16 07:35:54 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

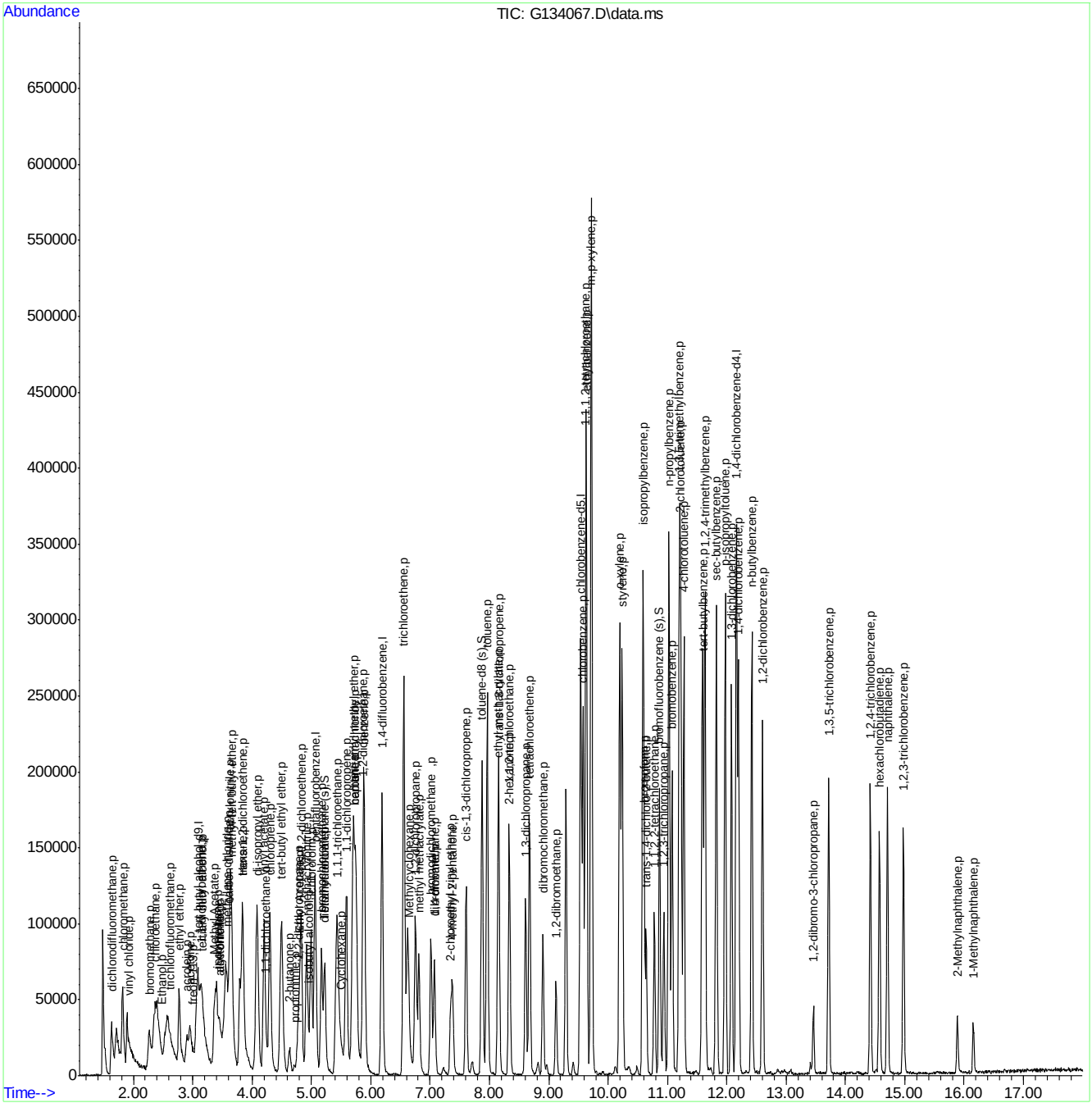
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	114487	46.68	ppb		92
94)	p-isopropyltoluene	11.974	119	213002	50.95	ppb		91
95)	1,4-dichlorobenzene	12.197	146	114847	47.39	ppb		98
96)	1,2-dichlorobenzene	12.602	146	105742	45.36	ppb		96
97)	n-butylbenzene	12.422	91	179820	46.28	ppb		95
98)	1,2-dibromo-3-chloropr...	13.460	75	12534	56.82	ppb	#	54
99)	1,3,5-trichlorobenzene	13.718	180	68669	45.81	ug/L		98
100)	1,2,4-trichlorobenzene	14.421	180	63693	50.02	ppb		92
101)	hexachlorobutadiene	14.574	225	37453	58.03	ppb		98
102)	naphthalene	14.708	128	164215	55.17	ppb		100
103)	2-Methylnaphthalene	15.889	142	19773	27.30	ug/L		96
104)	1-Methylnaphthalene	16.155	142	16569m	29.78	ug/L		
105)	1,2,3-trichlorobenzene	14.978	180	53912	54.76	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134067.D
Acq On : 13 Dec 2013 6:56 pm
Operator : jaimem
Sample : mc26964-6ms
Misc : MS30768,MSG5173,12.689,,100,10,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 16 07:35:54 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/16/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134068.D
Acq On : 13 Dec 2013 7:25 pm
Operator : jaimem
Sample : mc26964-6msd
Misc : MS30768,MSG5173,12.689,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 16 07:36:55 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.090	65	67187	500.00	ppb		0.00
4) pentafluorobenzene	5.067	168	116077	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.192	114	185260	50.00	ppb		0.00
66) chlorobenzene-d5	9.537	82	104928	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.161	152	105486	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.227	113	45041	55.65	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.30%				
60) toluene-d8 (s)	7.876	98	168636	51.68	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.36%				
82) bromofluorobenzene (s)	10.866	95	68337	43.97	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.94%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.162	59	56757	454.02	ppb		92
3) Ethanol	2.473	45	54668m	3035.75	ppb		
5) dichlorodifluoromethane	1.644	85	46057m	52.30	ppb		
6) chloromethane	1.826	50	58433	46.56	ppb		97
7) vinyl chloride	1.923	62	39123	76.79	ppb		95
8) bromomethane	2.288	96	31446	78.52	ppb		96
9) chloroethane	2.371	64	27206	63.71	ppb		95
10) ethyl ether	2.776	59	35512	42.21	ppb		96
11) acetonitrile	3.454	41	59361	35.74	ppb		96
12) trichlorofluoromethane	2.626	101	87318m	66.51	ppb		
13) freon-113	3.035	101	55234m	55.72	ppb		
14) acrolein	2.902	56	7389	57.95	ppb		94
15) 1,1-dichloroethene	3.155	96	52237	56.00	ppb		90
16) acetone	2.965	58	5605	34.09	ppb	#	70
17) Methyl Acetate	3.368	43	47732	37.16	ppb	#	88
18) methylene chloride	3.581	84	50666	53.82	ppb		87
19) methyl tert butyl ether	3.657	73	135004	54.07	ppb		91
20) acrylonitrile	3.633	53	41160	83.72	ppb		92
21) allyl chloride	3.454	41	59361	34.64	ppb		87
22) trans-1,2-dichloroethene	3.843	96	49456	55.28	ppb		91
23) iodomethane	3.434	142	88407	58.36	ppb		75
24) carbon disulfide	3.616	76	150016	53.37	ppb		91
25) propionitrile	4.718	54	7893	43.17	ppb		100
26) vinyl acetate	4.204	43	105369	41.35	ppb		98
27) chloroprene	4.304	53	88831	53.15	ppb		94
28) di-isopropyl ether	4.090	45	160994	40.46	ppb		93
29) methacrylonitrile	4.926	41	41844	43.84	ppb		80
30) 2-butanone	4.635	72	5704	44.49	ppb		93
31) Ethyl Acetate	4.804	43	40488	63.22	ug/L	#	99
32) Hexane	3.845	41	50401	43.32	ppb	#	81
33) 1,1-dichloroethane	4.238	63	90968	48.33	ppb		95
34) tert-butyl ethyl ether	4.501	59	157816	49.75	ppb		94
35) isobutyl alcohol	4.962	43	15084	244.98	ppb		83
36) 2,2-dichloropropane	4.783	77	30599	58.53	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134068.D
Acq On : 13 Dec 2013 7:25 pm
Operator : jaimem
Sample : mc26964-6msd
Misc : MS30768,MSG5173,12.689,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 16 07:36:55 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.830	96	49123	51.84	ppb		91
38)	bromochloromethane	5.172	128	25539	58.38	ppb		95
39)	chloroform	4.998	83	89642	56.70	ppb		98
41)	Tetrahydrofuran	5.212	42	14324	38.85	ppb		99
42)	1,1,1-trichloroethane	5.434	97	68995	56.14	ppb		95
44)	Cyclohexane	5.466	56	62563	31.31	ppb		90
45)	carbon tetrachloride	5.732	117	79155	62.50	ppb		93
46)	1,1-dichloropropene	5.590	75	67662	54.29	ppb		91
47)	benzene	5.891	78	176234	48.05	ppb		96
48)	1,2-dichloroethane	5.871	62	77663	56.28	ppb		99
49)	tert-amyl methyl ether	5.713	73	128791	52.20	ppb		92
50)	heptane	5.736	43	116734	42.51	ppb		96
51)	trichloroethene	6.559	95	107110	108.80	ppb		88
52)	1,2-dichloropropane	6.757	63	46317	42.22	ppb		97
53)	dibromomethane	7.074	93	31177	53.79	ppb		89
54)	bromodichloromethane	7.016	83	68717	56.63	ppb		92
55)	Methylcyclohexane	6.633	83	58419	39.84	ppb		85
56)	2-chloroethyl vinyl ether	7.346	63	19780	72.86	ppb		94
57)	methyl methacrylate	6.813	69	32032	50.35	ppb		90
58)	1,4-dioxane	7.067	88	3366m	281.80	ppb		
59)	cis-1,3-dichloropropene	7.609	75	77556	49.21	ppb		97
61)	4-methyl-2-pentanone	7.371	43	70057	48.68	ppb		93
62)	toluene	7.964	92	122399	54.37	ppb		100
63)	trans-1,3-dichloropropene	8.160	75	76444	56.54	ppb		95
64)	1,1,2-trichloroethane	8.334	83	34589	48.55	ppb		92
65)	ethyl methacrylate	8.147	69	60323	50.74	ppb		96
67)	tetrachloroethene	8.677	166	56564	52.15	ppb		97
68)	1,3-dichloropropane	8.611	76	67989	44.67	ppb		94
69)	dibromochloromethane	8.903	129	57921	55.56	ppb		99
70)	1,2-dibromoethane	9.123	107	47548	48.32	ppb		97
71)	2-hexanone	8.341	43	39120	30.90	ppb		88
72)	chlorobenzene	9.580	112	139647	46.33	ppb		96
73)	1,1,1,2-tetrachloroethane	9.626	131	55463	54.76	ppb		92
74)	ethylbenzene	9.634	91	246038	48.94	ppb		94
75)	m,p-xylene	9.719	106	182749	94.65	ppb		87
76)	o-xylene	10.197	106	89055	46.02	ppb	#	78
77)	styrene	10.236	104	152272	49.02	ppb		85
78)	bromoform	10.610	173	38732	56.79	ppb		96
79)	trans-1,4-dichloro-2-b...	10.644	53	23547	43.98	ppb		90
81)	isopropylbenzene	10.589	105	240664	45.97	ppb		99
83)	bromobenzene	11.079	156	61736	48.53	ppb		86
84)	1,1,2,2-tetrachloroethane	10.781	83	55842	42.24	ppb		90
85)	1,2,3-trichloropropane	10.941	75	47444	45.77	ppb		99
86)	n-propylbenzene	11.028	91	263297	42.51	ppb		96
87)	2-chlorotoluene	11.223	91	193955	44.80	ppb		90
88)	4-chlorotoluene	11.276	91	176695	46.05	ppb		86
89)	1,3,5-trimethylbenzene	11.202	105	206448	47.52	ppb		90
90)	tert-butylbenzene	11.597	91	143551	48.22	ppb	#	69
91)	1,2,4-trimethylbenzene	11.632	105	203103	46.98	ppb		94
92)	sec-butylbenzene	11.824	105	240114	44.91	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134068.D
Acq On : 13 Dec 2013 7:25 pm
Operator : jaimem
Sample : mc26964-6msd
Misc : MS30768,MSG5173,12.689,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 16 07:36:55 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

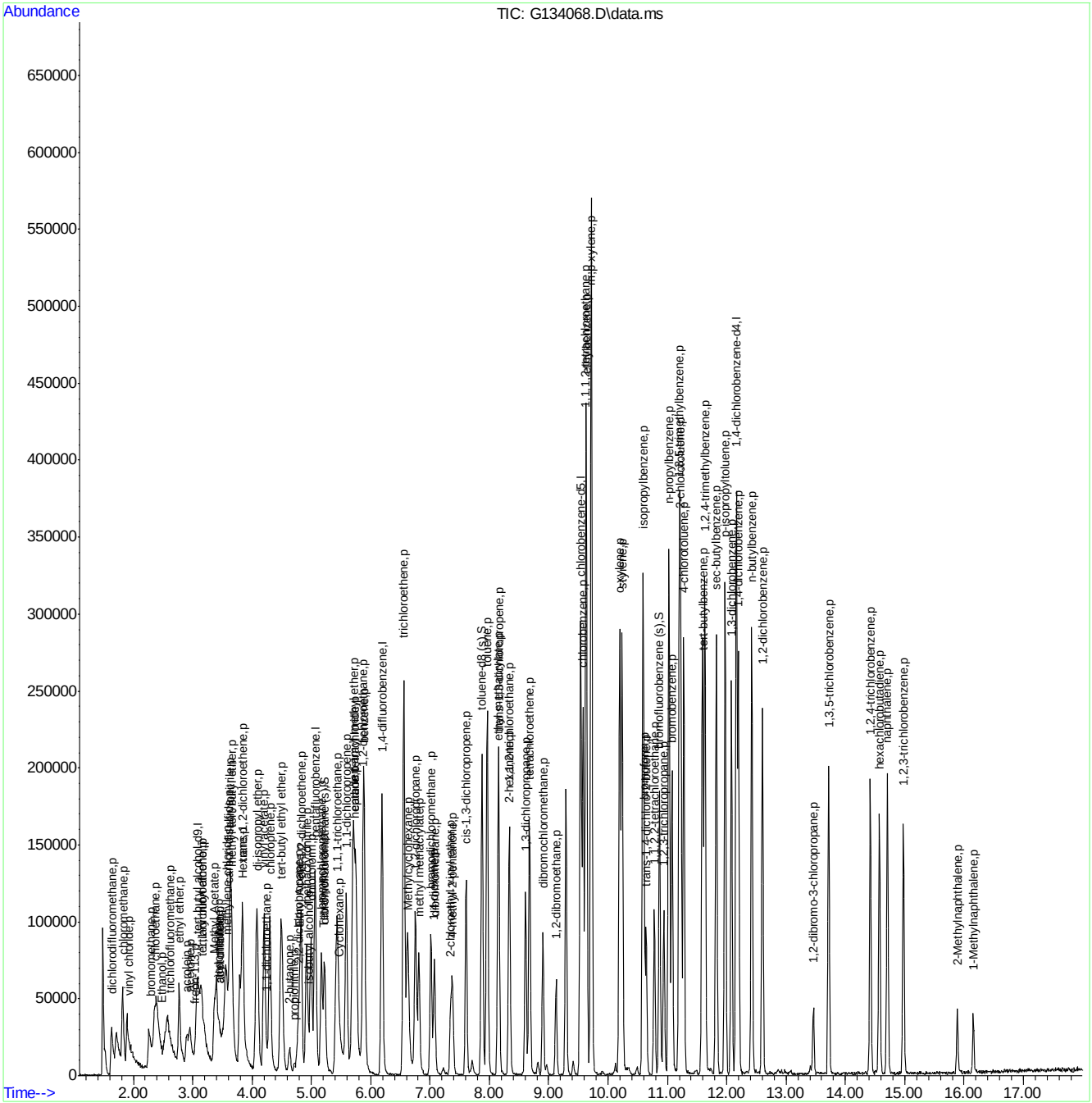
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	115726	45.46	ppb		93
94)	p-isopropyltoluene	11.974	119	211003	48.62	ppb		92
95)	1,4-dichlorobenzene	12.197	146	114583	45.55	ppb		95
96)	1,2-dichlorobenzene	12.602	146	108120	44.68	ppb		92
97)	n-butylbenzene	12.422	91	177591	44.03	ppb		99
98)	1,2-dibromo-3-chloropr...	13.460	75	12406	54.18	ppb	#	69
99)	1,3,5-trichlorobenzene	13.718	180	69187	44.47	ug/L		98
100)	1,2,4-trichlorobenzene	14.421	180	64680	48.93	ppb		95
101)	hexachlorobutadiene	14.574	225	38860	58.00	ppb		98
102)	naphthalene	14.708	128	168534	54.55	ppb		100
103)	2-Methylnaphthalene	15.888	142	21121	28.09	ug/L		96
104)	1-Methylnaphthalene	16.156	142	17709	30.67	ug/L	#	94
105)	1,2,3-trichlorobenzene	14.978	180	56014	54.81	ppb		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134068.D
Acq On : 13 Dec 2013 7:25 pm
Operator : jaimem
Sample : mc26964-6msd
Misc : MS30768,MSG5173,12.689,,100,10,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 16 07:36:55 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/16/13 10:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Dec 16 09:27:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	187122	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	283728	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	456932	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	204371	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	245153	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	140489	55.72	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.44%			
59) toluene-d8 (s)	12.037	98	495996	48.32	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.64%			
81) bromofluorobenzene (s)	14.731	95	199616	52.06	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.12%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	271888	425.43	ug/kg	95
3) Ethanol	5.671	45	175747	3664.86	ug/kg	95
5) dichlorodifluoromethane	4.438	85	89090	33.08	ug/kg	97
6) chloromethane	4.707	50	144282	35.09	ug/kg	98
7) vinyl chloride	4.970	62	116343	29.29	ug/kg	100
8) bromomethane ...	5.502	96	89494	34.22	ug/kg	98
9) chloroethane	5.664	64	72261	37.49	ug/kg	92
10) ethyl ether	6.580	59	102953	46.17	ug/kg	94
11) acetonitrile	6.573	41	35758	50.05	ug/kg	90
12) trichlorofluoromethane	6.338	101	189473	41.23	ug/kg	98
13) freon-113	7.146	101	136544	61.61	ug/kg	99
14) acrolein	6.371	56	4512m	6.98	ug/kg	
15) 1,1-dichloroethene	6.944	96	147954	55.93	ug/kg	98
16) acetone	6.472	58	43052	80.89	ug/kg#	77
17) Methyl Acetate	7.146	43	52170	15.64	ug/kg#	19
18) methylene chloride	7.099	84	133327	45.99	ug/kg	97
19) methyl tert butyl ether	7.900	73	279432	46.51	ug/kg	99
20) acrylonitrile	7.005	53	102814	78.50	ug/kg	95
21) allyl chloride	7.200	41	256426	49.32	ug/kg	100
22) trans-1,2-dichloroethene	7.813	96	146218	49.64	ug/kg	98
23) iodomethane	7.005	142	285166	56.83	ug/kg	90
24) carbon disulfide	7.388	76	427821	56.50	ug/kg	100
25) propionitrile	8.129	54	25319	57.03	ug/kg	100
26) vinyl acetate	8.204	43	40765	6.57	ug/kg	96
27) chloroprene	8.439	53	210676	45.00	ug/kg	94
28) di-isopropyl ether	8.480	45	519885	45.17	ug/kg	99
29) methacrylonitrile	8.601	41	86684	42.92	ug/kg	95
30) 2-butanone	8.493	72	24773	55.70	ug/kg#	1
31) 1,1-dichloroethane	8.069	63	259667	50.61	ug/kg	99
32) tert-butyl ethyl ether	8.884	59	345024	47.85	ug/kg	99
33) isobutyl alcohol	8.911	43	86943m	274.25	ug/kg	
34) 2,2-dichloropropane	8.951	77	158953	52.54	ug/kg	95
35) cis-1,2-dichloroethene	8.655	96	156619	45.91	ug/kg	93
36) ethyl acetate	8.911	43	123092m	58.61	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Dec 16 09:27:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	bromochloromethane	8.823	128	86667	46.09	ug/kg	93
38)	chloroform	8.864	83	248472	49.36	ug/kg	99
40)	Tetrahydrofuran	9.194	42	63716	50.05	ug/kg	96
41)	1,1,1-trichloroethane	9.625	97	230842	56.56	ug/kg	96
43)	Cyclohexane	9.915	56	261784	49.56	ug/kg	97
44)	carbon tetrachloride	9.995	117	255102	60.76	ug/kg	100
45)	1,1-dichloropropene	9.800	75	192105	52.47	ug/kg	98
46)	benzene	10.029	78	542024	44.80	ug/kg	98
47)	1,2-dichloroethane	9.524	62	185127	48.63	ug/kg	98
48)	tert-amyl methyl ether	10.144	73	249606	44.51	ug/kg	100
49)	heptane	10.501	43	265899	44.88	ug/kg	97
50)	trichloroethene	10.656	95	163032	46.68	ug/kg	95
51)	1,2-dichloropropane	10.622	63	150023	44.81	ug/kg	99
52)	dibromomethane	10.595	93	89364	45.36	ug/kg	94
53)	bromodichloromethane	10.710	83	206559	51.92	ug/kg	99
54)	Methylcyclohexane	11.174	83	246847	49.74	ug/kg	96
56)	methyl methacrylate	10.797	69	76668	39.71	ug/kg	93
57)	1,4-dioxane	10.804	88	10159	345.12	ug/kg	83
58)	cis-1,3-dichloropropene	11.329	75	204807	42.67	ug/kg	97
60)	4-methyl-2-pentanone	11.417	43	231166	61.51	ug/kg	100
61)	toluene	12.111	92	373332	49.08	ug/kg	96
62)	trans-1,3-dichloropropene	11.754	75	186701	47.69	ug/kg	99
63)	1,1,2-trichloroethane	11.922	83	113336	50.98	ug/kg	99
64)	ethyl methacrylate	12.124	69	158177	44.51	ug/kg	93
66)	tetrachloroethene	12.852	166	191117	50.65	ug/kg	99
67)	1,3-dichloropropane	12.158	76	204427	48.42	ug/kg	98
68)	dibromochloromethane	12.454	129	220876	57.34	ug/kg	97
69)	1,2-dibromoethane	12.710	107	149403	49.51	ug/kg	97
70)	2-hexanone	12.279	43	162346	49.54	ug/kg	99
71)	chlorobenzene	13.539	112	479859	47.51	ug/kg	98
72)	1,1,1,2-tetrachloroethane	13.458	131	221743	60.75	ug/kg	92
73)	ethylbenzene	13.707	91	785177	52.68	ug/kg	99
74)	m,p-xylene	13.896	106	642451	101.27	ug/kg	97
75)	o-xylene	14.307	106	325864	50.92	ug/kg	97
76)	styrene	14.239	104	104016	10.21	ug/kg	95
77)	bromoform	14.064	173	145691	56.94	ug/kg	97
78)	trans-1,4-dichloro-2-b...	14.455	53	57600	46.77	ug/kg	90
80)	isopropylbenzene	14.670	105	937595	53.02	ug/kg	98
82)	bromobenzene	14.960	156	207532	44.08	ug/kg	98
83)	1,1,2,2-tetrachloroethane	14.313	83	214594	51.86	ug/kg	97
84)	1,2,3-trichloropropane	14.462	75	220463	49.72	ug/kg	99
85)	n-propylbenzene	15.115	91	928591	47.83	ug/kg	98
86)	2-chlorotoluene	15.236	91	528247	44.46	ug/kg	97
87)	4-chlorotoluene	15.310	91	512697	43.74	ug/kg	99
88)	1,3,5-trimethylbenzene	15.391	105	737960	49.80	ug/kg	97
89)	tert-butylbenzene	15.701	91	431741	53.79	ug/kg	98
90)	1,2,4-trimethylbenzene	15.802	105	664450	45.33	ug/kg	98
91)	sec-butylbenzene	15.923	105	1062607	52.64	ug/kg	100
92)	1,3-dichlorobenzene	16.025	146	377098	39.61	ug/kg	98
93)	p-isopropyltoluene	16.092	119	913142	52.05	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Dec 16 09:27:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	1,4-dichlorobenzene	16.092	146	383714	39.40	ug/kg	97
95)	1,2-dichlorobenzene	16.462	146	352850	37.23	ug/kg	99
96)	n-butylbenzene	16.510	91	675331	45.75	ug/kg	98
97)	1,2-dibromo-3-chloropr...	16.941	75	43934	48.61	ug/kg	95
98)	1,3,5-trichlorobenzene	17.749	180	196857	28.43	ug/kg	99
99)	1,2,4-trichlorobenzene	18.301	180	154370	23.34	ug/kg	95
100)	hexachlorobutadiene	18.591	225	127407	41.28	ug/kg	99
101)	naphthalene	18.571	128	426960	22.89	ug/kg	100
102)	1,2,3-trichlorobenzene	18.780	180	138924	21.51	ug/kg	98
103)	2-methylnaphthalene	19.972	142	63942	6.08	ug/kg	95
104)	1-methylnaphthalene	20.215	TIC	216624	5.02	ug/kg	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
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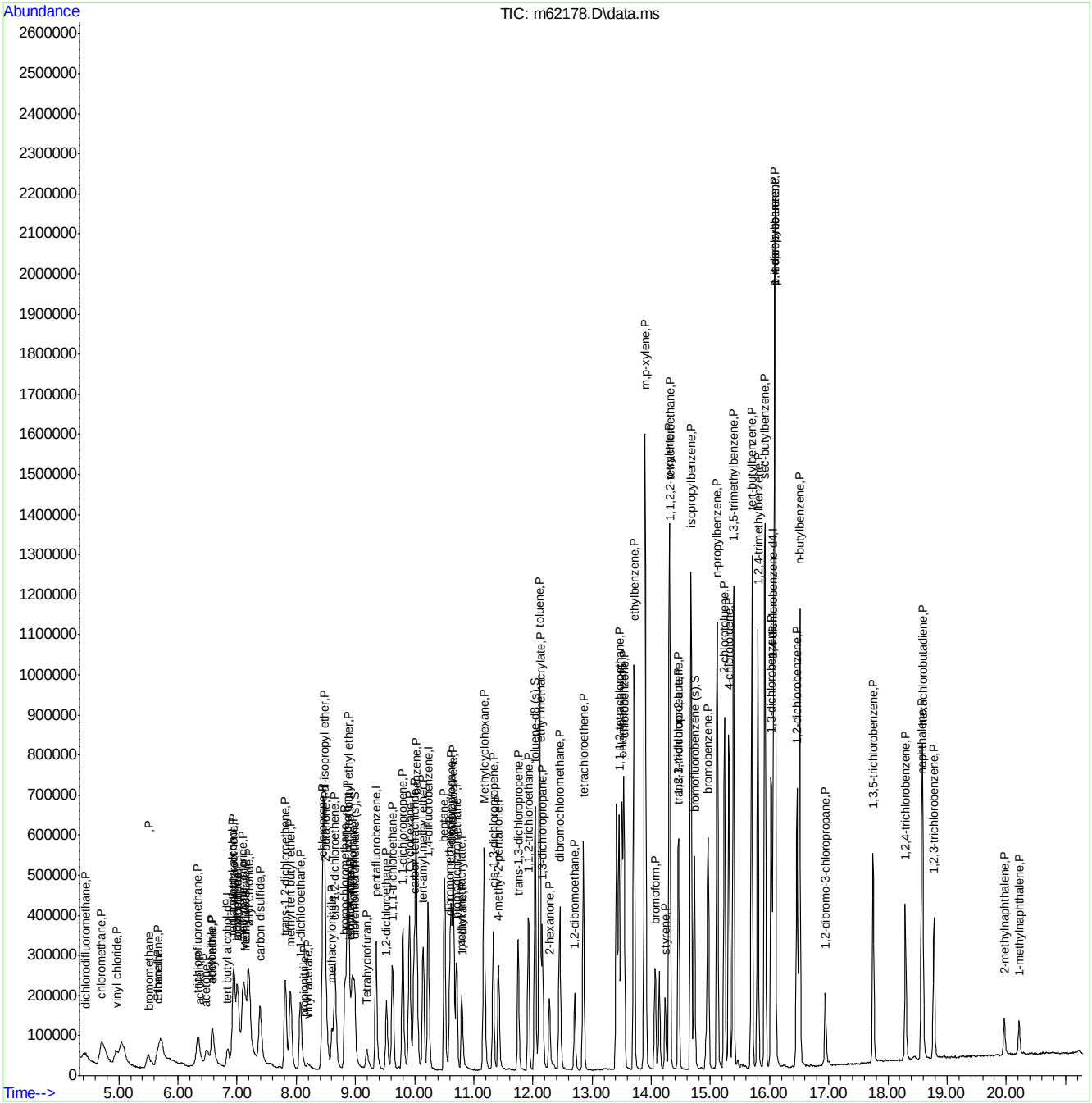
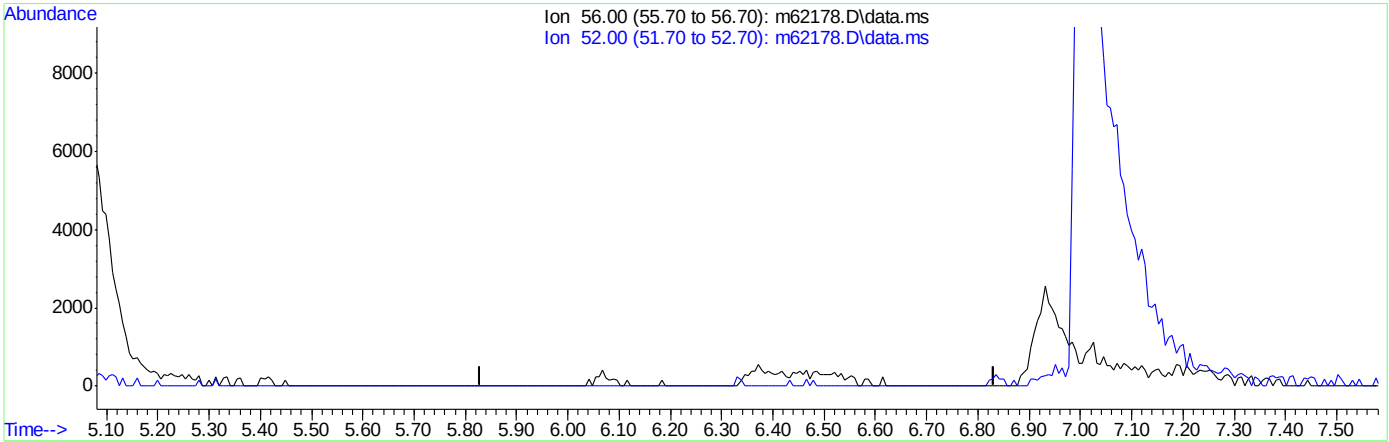
Quant Time: Dec 16 09:27:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

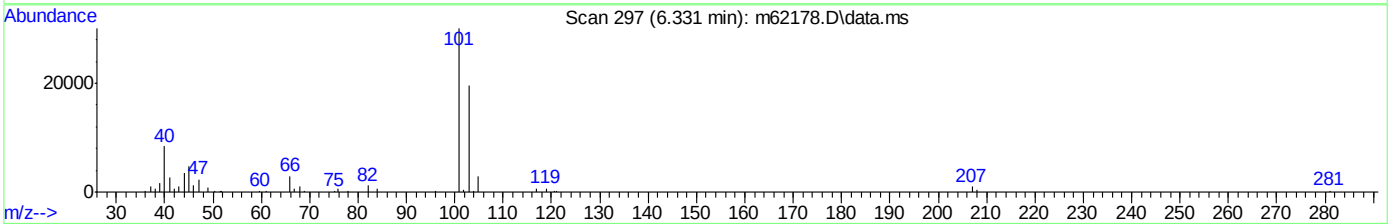


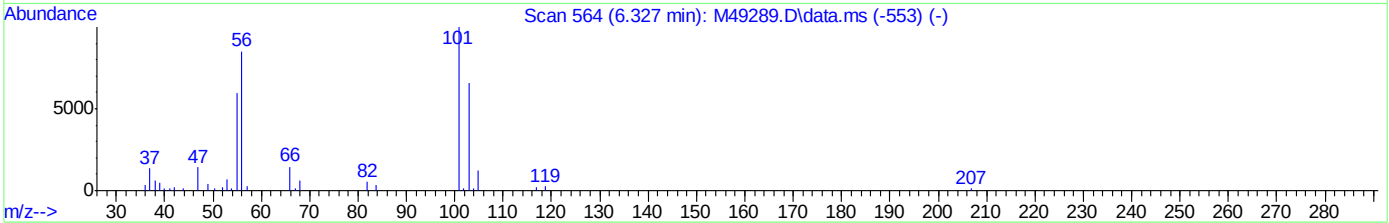
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Dec 16 09:26:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration







TIC: m62178.D\data.ms

(14) acrolein (P)

6.331min (-6.331) 0.00ug/kg

response 0

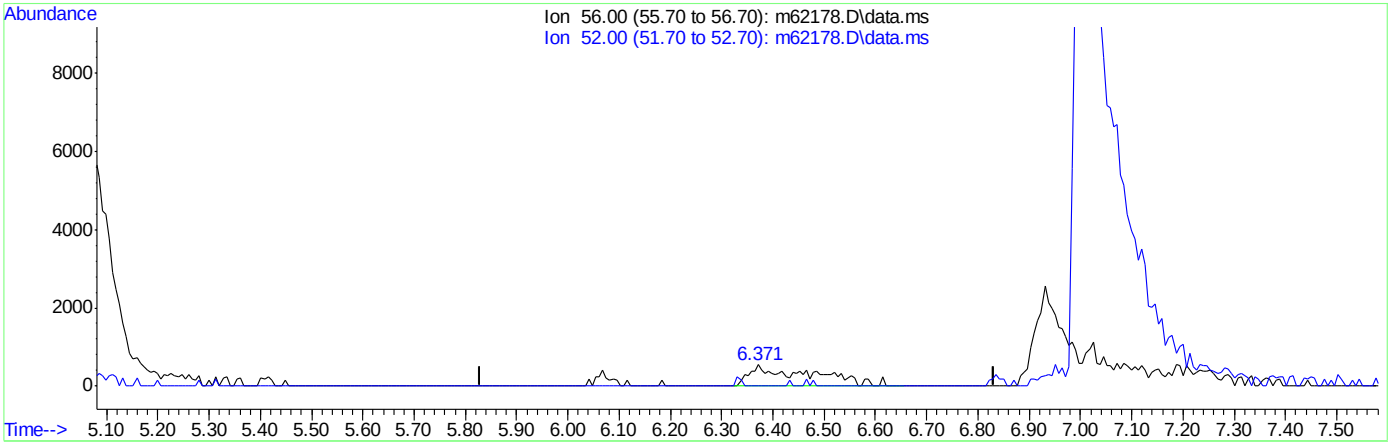
Ion	Exp%	Act%
56.00	100	0.00
52.00	2.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

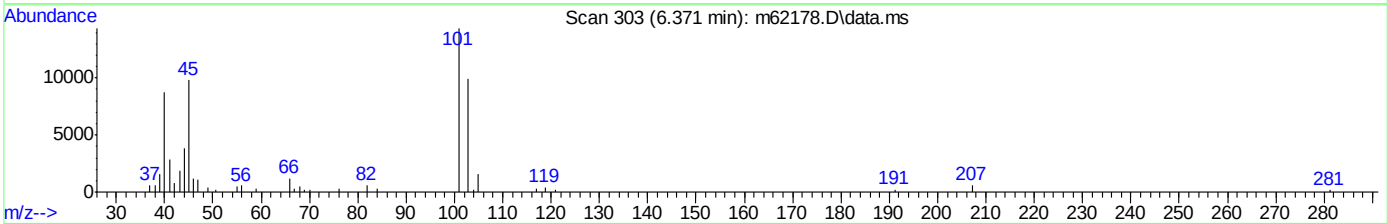
ACCUTEST LABORATORIES MC26964

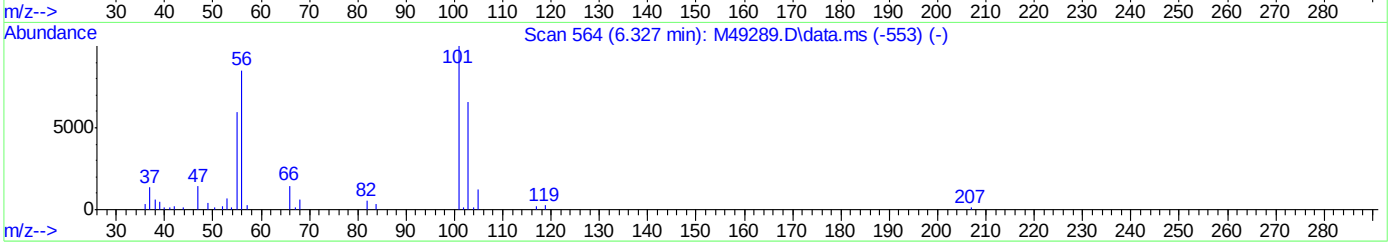
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Dec 16 09:26:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration







TIC: m62178.D\data.ms

(14) acrolein (P)

6.371min (+0.040) 6.98ug/kg m

response 4512

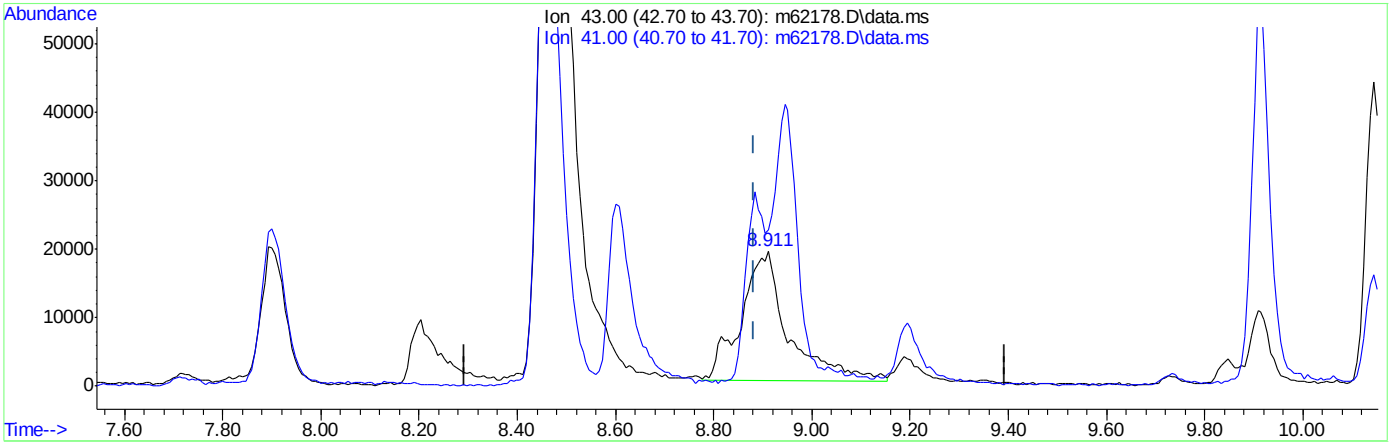
Ion	Exp%	Act%
56.00	100	100
52.00	2.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

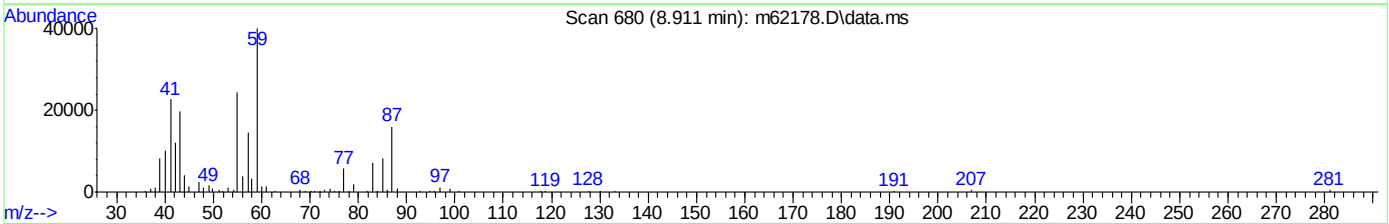
ACCUTEST LABORATORIES MC26964

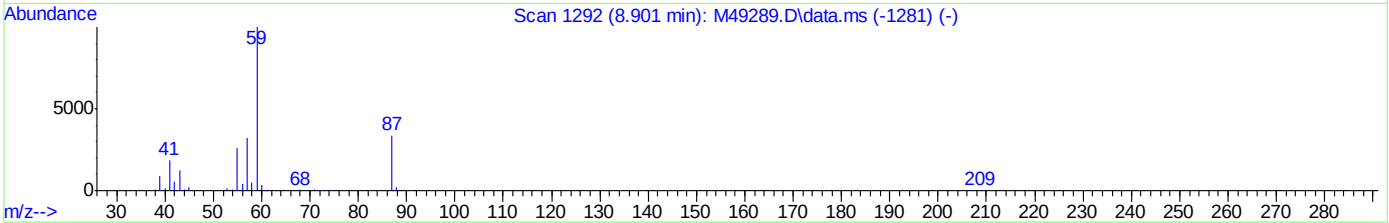
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Dec 16 09:26:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration







TIC: m62178.D\data.ms

(33) isobutyl alcohol (P)

8.911min (+0.027) 402.09ug/kg

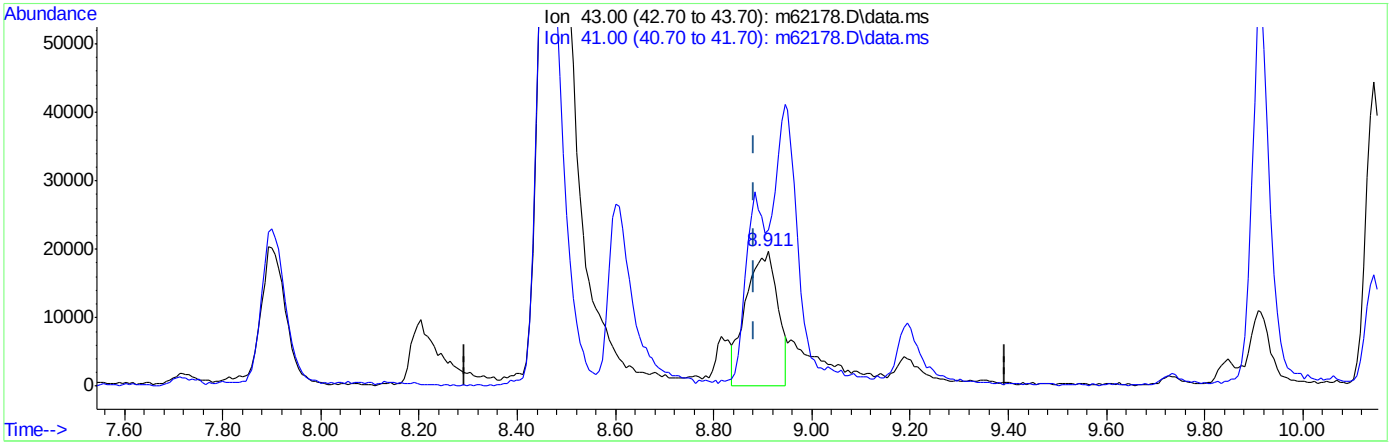
response 127471

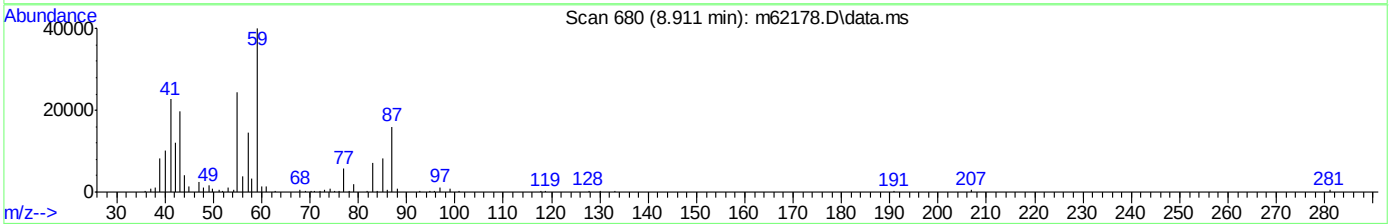
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	117.89#
0.00	0.00	0.00
0.00	0.00	0.00

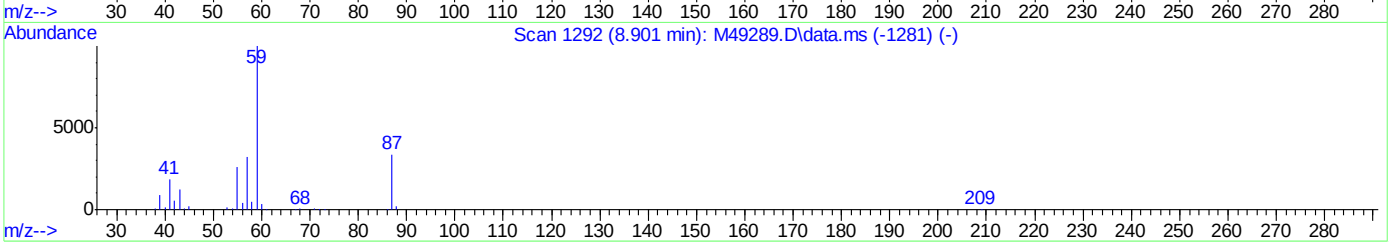
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Dec 16 09:26:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration







TIC: m62178.D\data.ms

(33) isobutyl alcohol (P)

8.911min (+0.027) 274.25ug/kg m

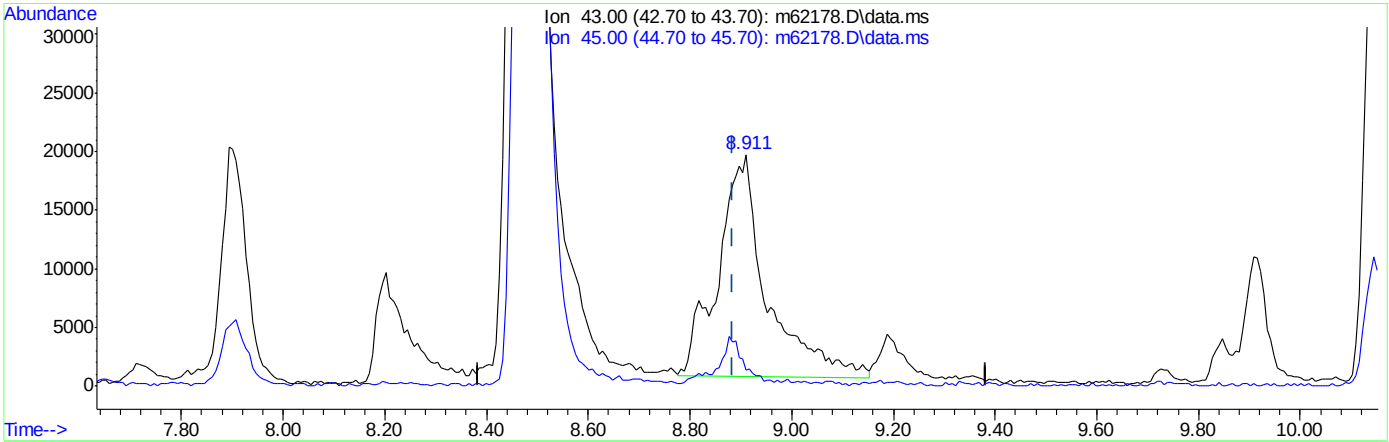
response 86943

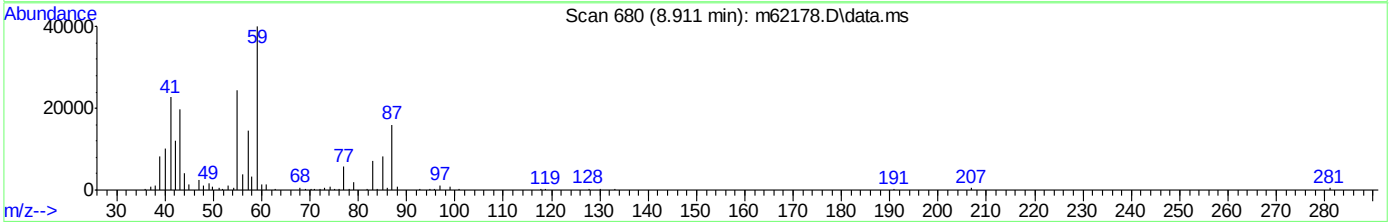
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	115.40#
0.00	0.00	0.00
0.00	0.00	0.00

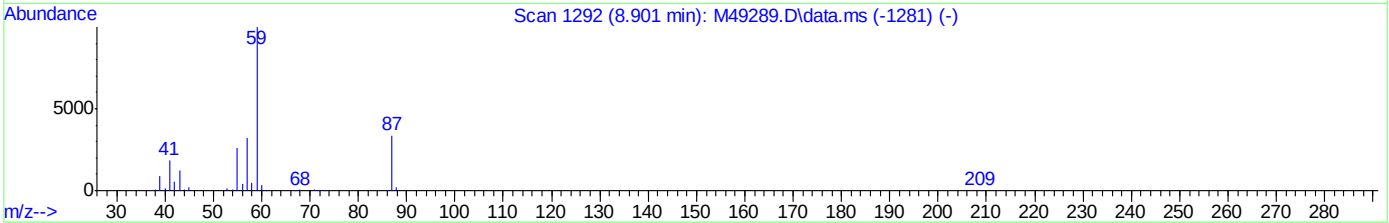
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Dec 16 09:26:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration







TIC: m62178.D\data.ms

(36) ethyl acetate (P)

8.911min (+0.027) 60.36ug/kg

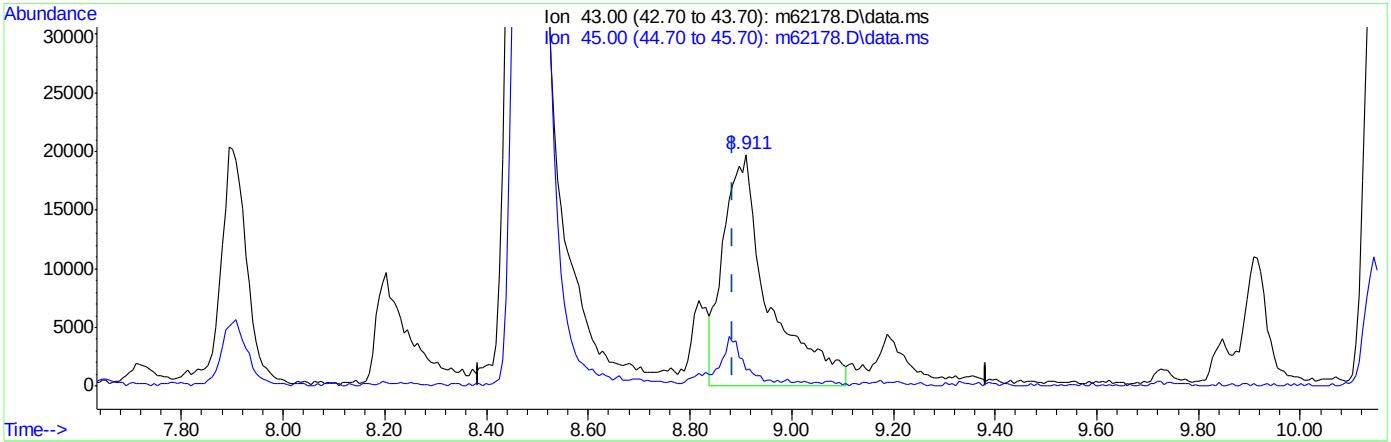
response 126758

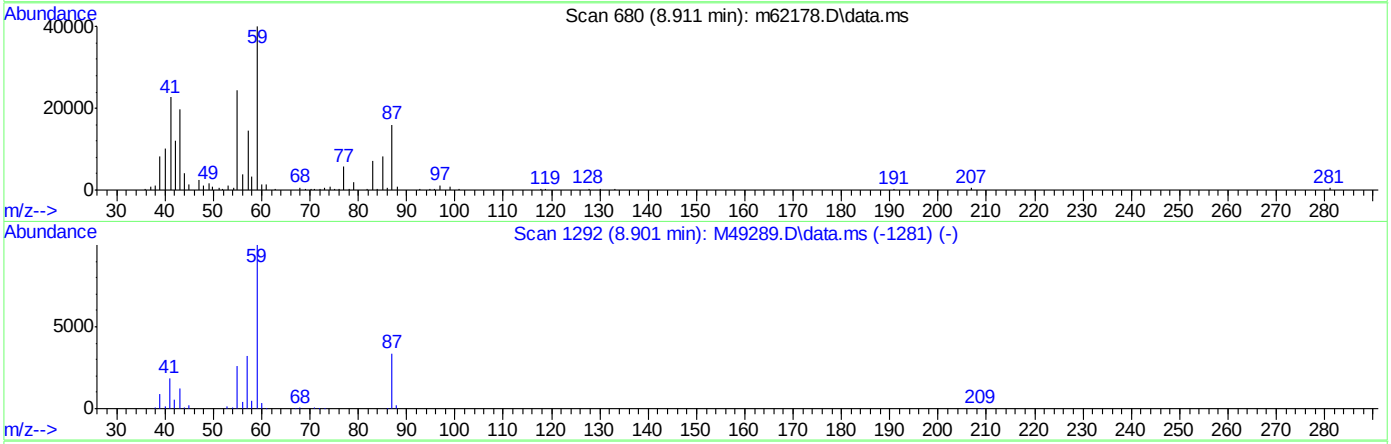
Ion	Exp%	Act%
43.00	100	100
45.00	22.10	6.28
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62178.D
Acq On : 14 Dec 2013 8:32 am
Operator : krystend
Sample : mc27002-25ms
Misc : MS30779,MSM2172,5.184,,,5,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Dec 16 09:26:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62178.D\data.ms

(36) ethyl acetate (P)

8.911min (+0.027) 58.61ug/kg m

response 123092

Ion	Exp%	Act%
43.00	100	100
45.00	22.10	7.13
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26964

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/16/13 10:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:31:05 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	191753	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	297869	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	470978	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	208933	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.065	152	253002	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	145757	54.99	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 109.98%			
59) toluene-d8 (s)		12.036	98	510536	48.21	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 96.42%			
81) bromofluorobenzene (s)		14.731	95	203461	51.35	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 102.70%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	250087	381.87	ug/kg	92
3) Ethanol		5.657	45	166905m	3396.42	ug/kg	
5) dichlorodifluoromethane		4.424	85	91092	32.22	ug/kg	93
6) chloromethane		4.700	50	162706	37.70	ug/kg	98
7) vinyl chloride		4.963	62	127462	30.57	ug/kg	99
8) bromomethane	...	5.495	96	98196	35.76	ug/kg	92
9) chloroethane		5.664	64	79137m	39.11	ug/kg	
10) ethyl ether		6.580	59	108721	46.44	ug/kg	99
11) acetonitrile		6.573	41	35267	47.02	ug/kg	91
12) trichlorofluoromethane		6.331	101	208876	43.29	ug/kg	99
13) freon-113		7.146	101	144872	62.27	ug/kg	97
14) acrolein		6.385	56	4481m	6.60	ug/kg	
15) 1,1-dichloroethene		6.950	96	152212	54.81	ug/kg	99
16) acetone		6.465	58	40182	71.91	ug/kg#	60
17) Methyl Acetate		7.153	43	46149	13.18	ug/kg#	27
18) methylene chloride		7.105	84	135085	44.38	ug/kg	99
19) methyl tert butyl ether		7.900	73	285455	45.25	ug/kg	98
20) acrylonitrile		7.004	53	112136	81.55	ug/kg	98
21) allyl chloride		7.193	41	257030	47.09	ug/kg	99
22) trans-1,2-dichloroethene		7.813	96	152440	49.29	ug/kg	97
23) iodomethane		7.004	142	287531	54.58	ug/kg	89
24) carbon disulfide		7.388	76	433402	54.52	ug/kg	100
25) propionitrile		8.102	54	23040	49.44	ug/kg	100
26) vinyl acetate		8.197	43	40849	6.27	ug/kg	94
27) chloroprene		8.439	53	218005	44.35	ug/kg	94
28) di-isopropyl ether		8.480	45	522555	43.25	ug/kg	97
29) methacrylonitrile		8.601	41	88054	41.53	ug/kg	99
30) 2-butanone		8.507	72	23283	49.87	ug/kg	94
31) 1,1-dichloroethane		8.069	63	263481	48.92	ug/kg	98
32) tert-butyl ethyl ether		8.877	59	344840	45.55	ug/kg	99
33) isobutyl alcohol		8.897	43	78127m	234.74	ug/kg	
34) 2,2-dichloropropane		8.951	77	163717	51.54	ug/kg	99
35) cis-1,2-dichloroethene		8.655	96	157174	43.89	ug/kg	97
36) ethyl acetate		8.897	43	113877m	51.65	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:31:05 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	87853	44.50	ug/kg	96
38) chloroform	8.864	83	249683	47.25	ug/kg	99
40) Tetrahydrofuran	9.187	42	60911	45.57	ug/kg	90
41) 1,1,1-trichloroethane	9.625	97	235477	54.96	ug/kg	95
43) Cyclohexane	9.914	56	270583	49.70	ug/kg	95
44) carbon tetrachloride	9.995	117	258579	59.75	ug/kg	98
45) 1,1-dichloropropene	9.800	75	195309	51.76	ug/kg	98
46) benzene	10.029	78	542616	43.51	ug/kg	96
47) 1,2-dichloroethane	9.524	62	180483	46.00	ug/kg	99
48) tert-amyl methyl ether	10.143	73	248376	42.97	ug/kg	99
49) heptane	10.501	43	271885	44.52	ug/kg	99
50) trichloroethene	10.655	95	167844	46.62	ug/kg	99
51) 1,2-dichloropropane	10.615	63	143800	41.67	ug/kg	100
52) dibromomethane	10.595	93	87491	43.08	ug/kg	94
53) bromodichloromethane	10.709	83	189836	46.30	ug/kg	99
54) Methylcyclohexane	11.174	83	253979	49.65	ug/kg	95
56) methyl methacrylate	10.797	69	72134	36.24	ug/kg	96
57) 1,4-dioxane	10.804	88	10134	334.76	ug/kg	92
58) cis-1,3-dichloropropene	11.329	75	188040	38.01	ug/kg	97
60) 4-methyl-2-pentanone	11.417	43	212252	54.79	ug/kg	98
61) toluene	12.111	92	361255	46.07	ug/kg	99
62) trans-1,3-dichloropropene	11.747	75	165007	40.90	ug/kg	98
63) 1,1,2-trichloroethane	11.929	83	95217	41.55	ug/kg	96
64) ethyl methacrylate	12.117	69	135099	36.88	ug/kg	92
66) tetrachloroethene	12.852	166	186898	48.45	ug/kg	98
67) 1,3-dichloropropane	12.158	76	178543	41.37	ug/kg	100
68) dibromochloromethane	12.454	129	177580	45.09	ug/kg	98
69) 1,2-dibromoethane	12.710	107	131547	42.64	ug/kg	92
70) 2-hexanone	12.279	43	140024	41.80	ug/kg	99
71) chlorobenzene	13.539	112	411515	39.85	ug/kg	98
72) 1,1,1,2-tetrachloroethane	13.458	131	175643	47.07	ug/kg	98
73) ethylbenzene	13.707	91	683896	44.88	ug/kg	100
74) m,p-xylene	13.896	106	567578	87.51	ug/kg	99
75) o-xylene	14.307	106	273103	41.75	ug/kg	100
76) styrene	14.239	104	67911	6.52	ug/kg	98
77) bromoform	14.064	173	112355	42.96	ug/kg	100
78) trans-1,4-dichloro-2-b...	14.455	53	45046	35.77	ug/kg#	83
80) isopropylbenzene	14.670	105	749252	41.06	ug/kg	98
82) bromobenzene	14.967	156	165571	34.08	ug/kg	94
83) 1,1,2,2-tetrachloroethane	14.313	83	166335	38.95	ug/kg	98
84) 1,2,3-trichloropropane	14.461	75	170903	37.35	ug/kg	98
85) n-propylbenzene	15.115	91	733757	36.62	ug/kg	100
86) 2-chlorotoluene	15.236	91	416626	33.98	ug/kg	94
87) 4-chlorotoluene	15.310	91	401177	33.16	ug/kg	99
88) 1,3,5-trimethylbenzene	15.391	105	578278	37.82	ug/kg	98
89) tert-butylbenzene	15.701	91	334218	40.35	ug/kg	96
90) 1,2,4-trimethylbenzene	15.802	105	515553	34.08	ug/kg	96
91) sec-butylbenzene	15.923	105	799705	38.39	ug/kg	99
92) 1,3-dichlorobenzene	16.031	146	290066	29.53	ug/kg	97
93) p-isopropyltoluene	16.092	119	691126	38.17	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:31:05 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

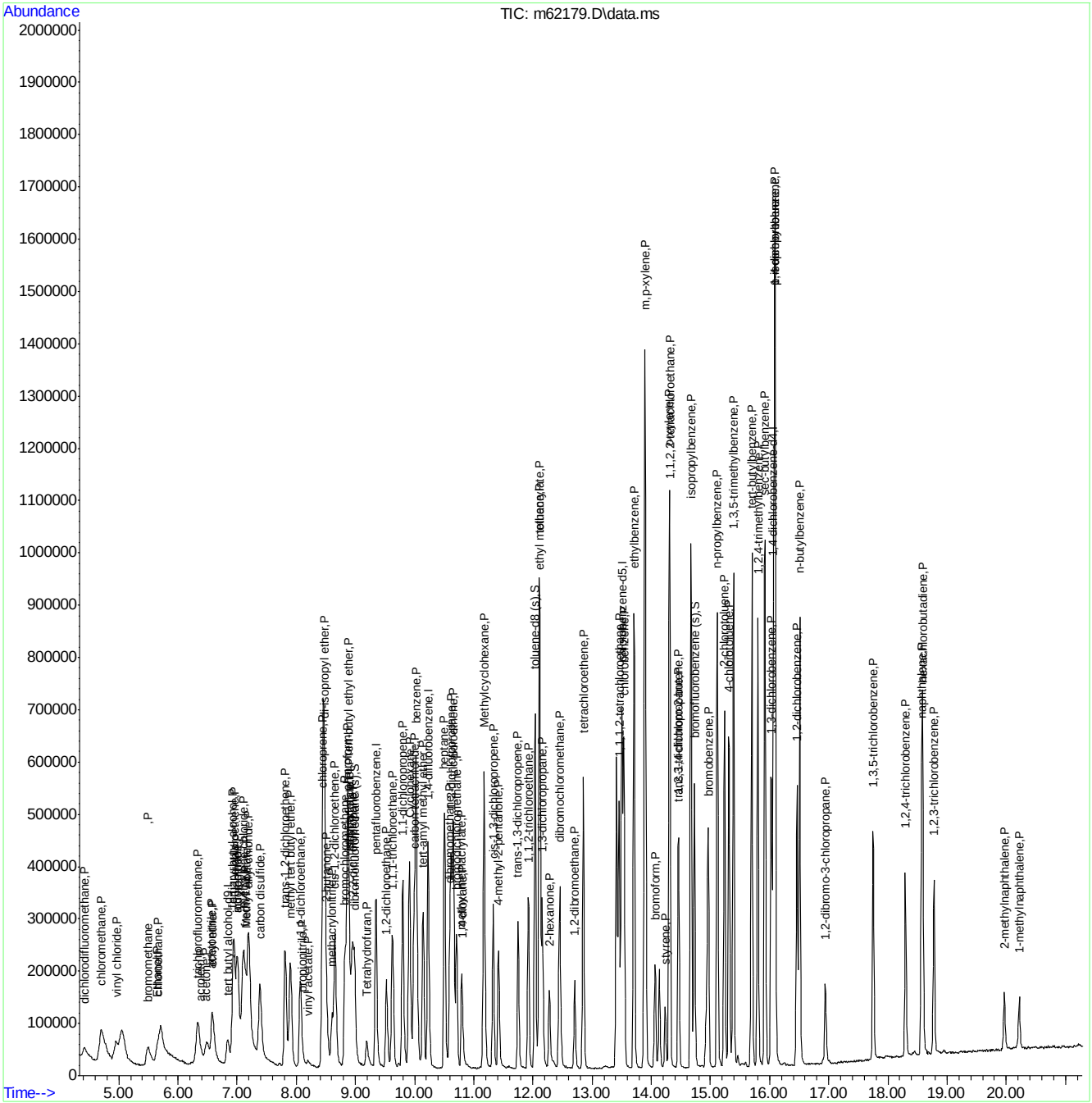
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) 1,4-dichlorobenzene	16.092	146	292232	29.07	ug/kg	98
95) 1,2-dichlorobenzene	16.462	146	274810	28.10	ug/kg	96
96) n-butylbenzene	16.509	91	513164	33.68	ug/kg	98
97) 1,2-dibromo-3-chloropr...	16.940	75	36166	38.78	ug/kg	91
98) 1,3,5-trichlorobenzene	17.749	180	162572	22.75	ug/kg	100
99) 1,2,4-trichlorobenzene	18.294	180	138814	20.34	ug/kg	99
100) hexachlorobutadiene	18.591	225	112988	35.47	ug/kg	93
101) naphthalene	18.571	128	400062	20.78	ug/kg	100
102) 1,2,3-trichlorobenzene	18.780	180	129231	19.39	ug/kg	98
103) 2-methylnaphthalene	19.972	142	77398	7.13	ug/kg	99
104) 1-methylnaphthalene	20.221	TIC	228186	5.19	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

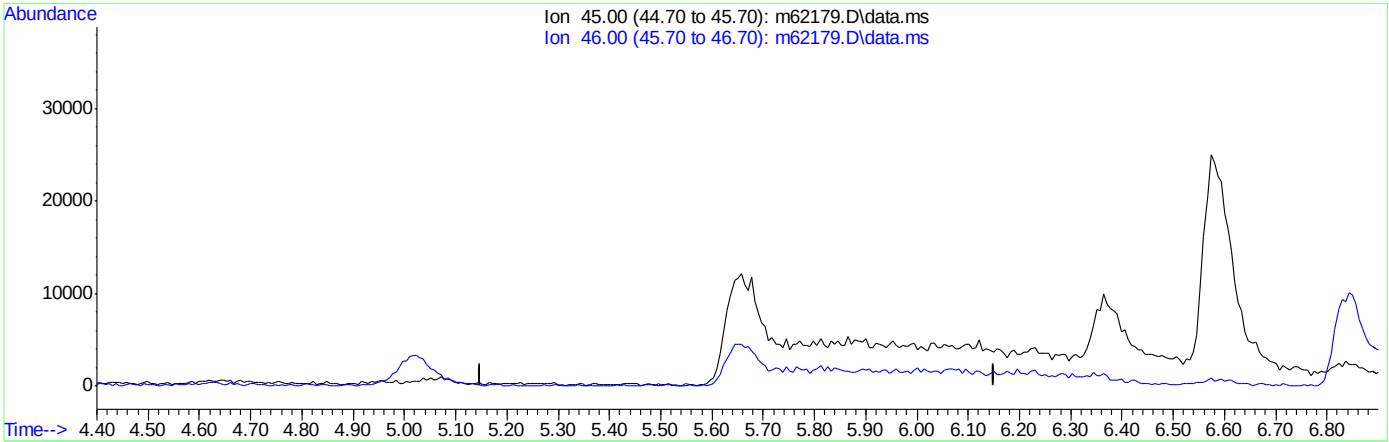
Quant Time: Dec 16 09:31:05 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

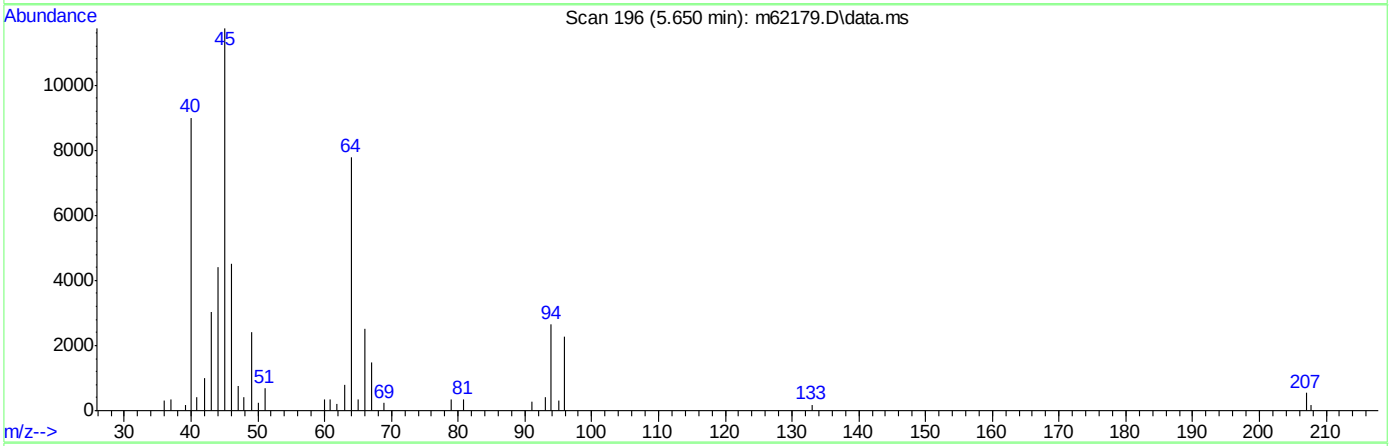


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(3) Ethanol (P)

5.650min (-5.650) 0.00ug/kg

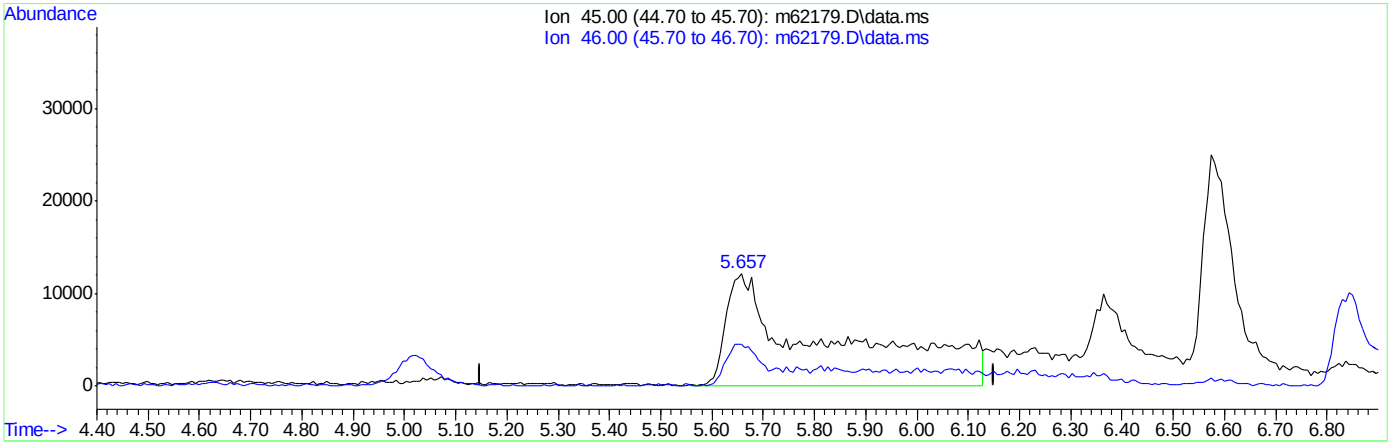
response 0

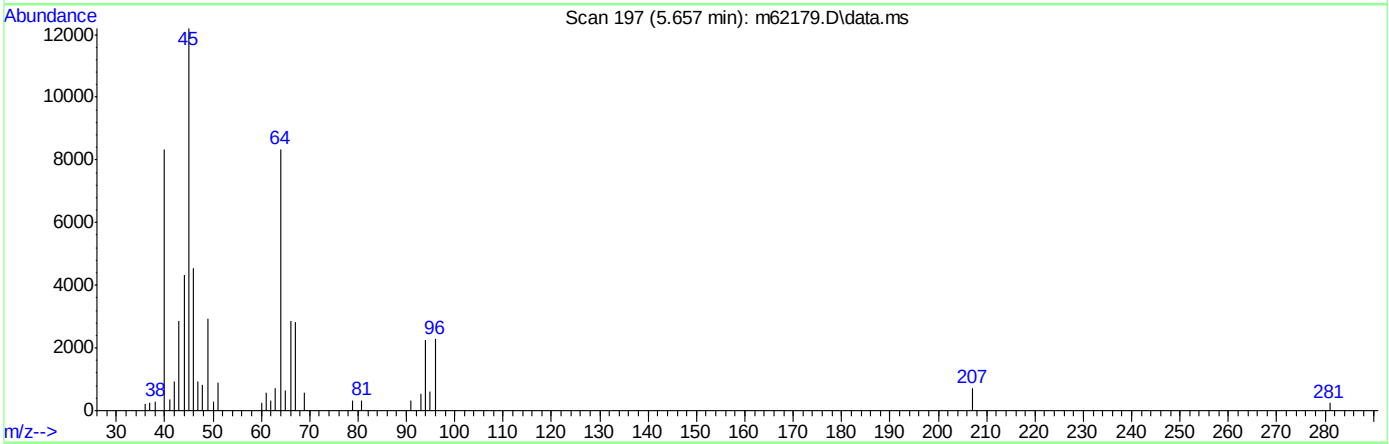
Ion	Exp%	Act%
45.00	100	0.00
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(3) Ethanol (P)

5.657min (+0.007) 3396.42ug/kg m

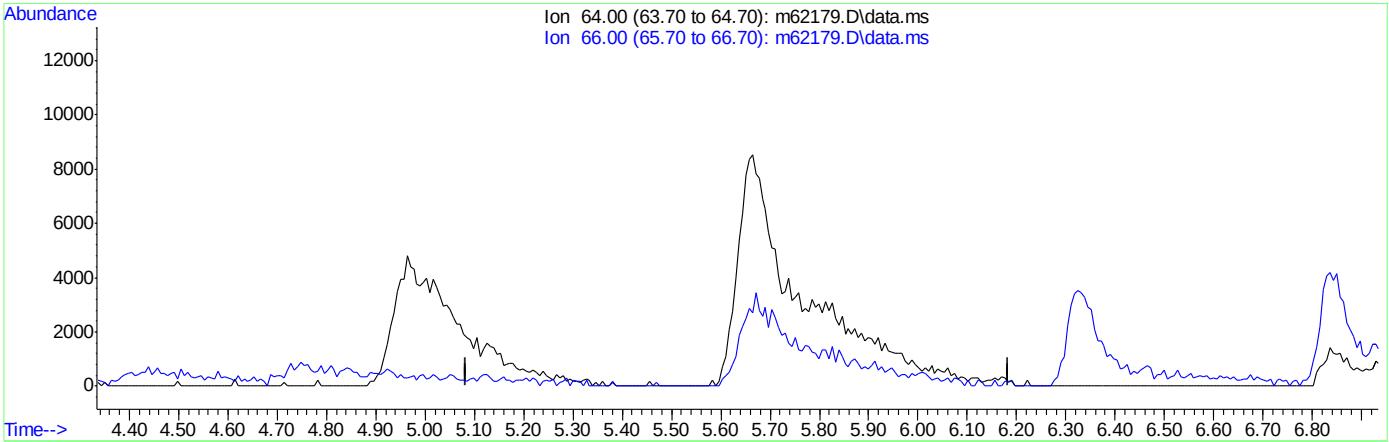
response 166905

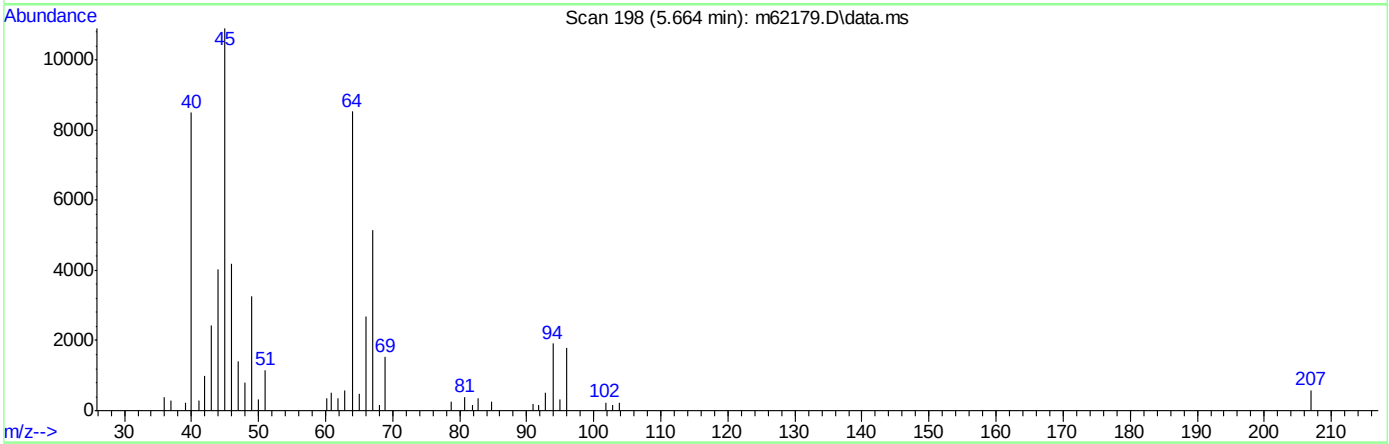
Ion	Exp%	Act%
45.00	100	100
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(9) chloroethane (P)

5.664min (-5.664) 0.00ug/kg

response 0

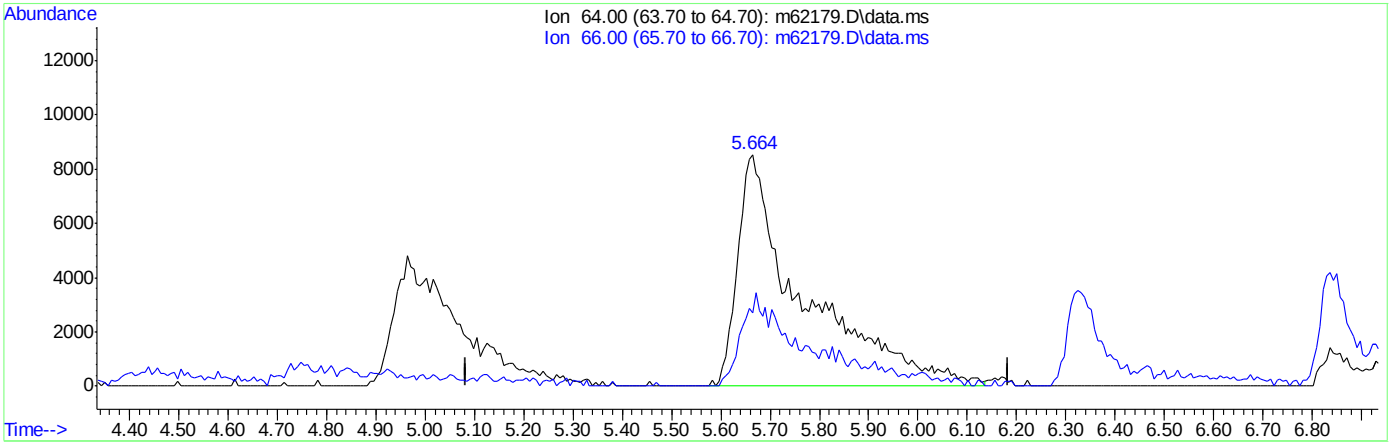
Ion	Exp%	Act%
64.00	100	0.00
66.00	28.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

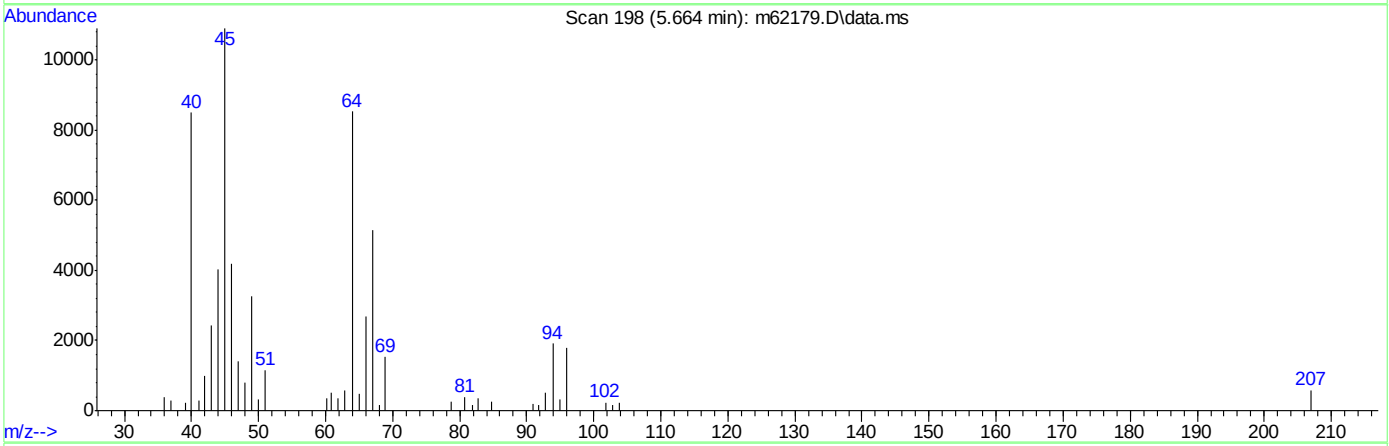
M62179.D edits: chloroethane

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(9) chloroethane (P)

5.664min (-0.000) 39.11ug/kg m

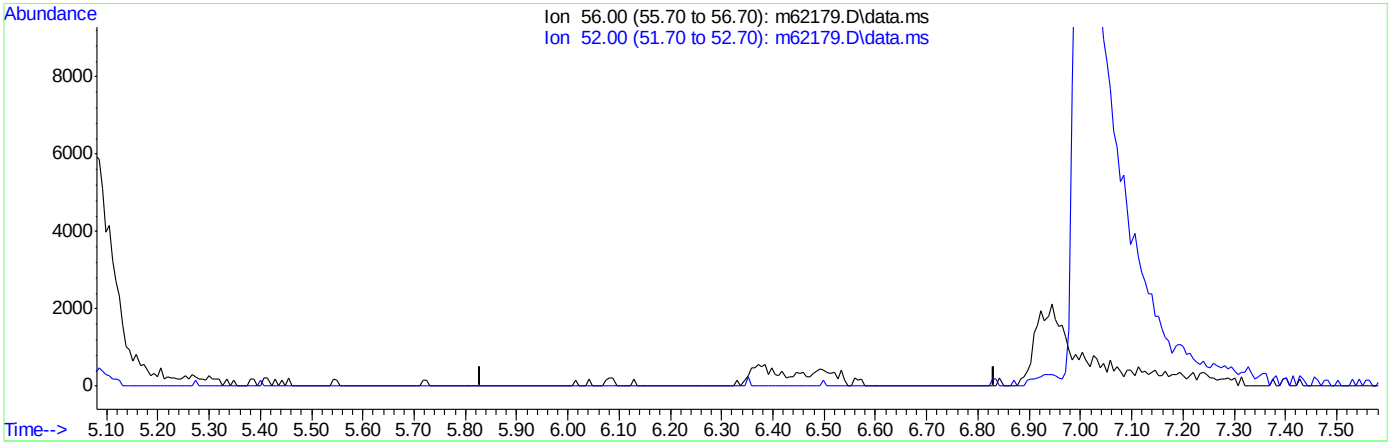
response 79137

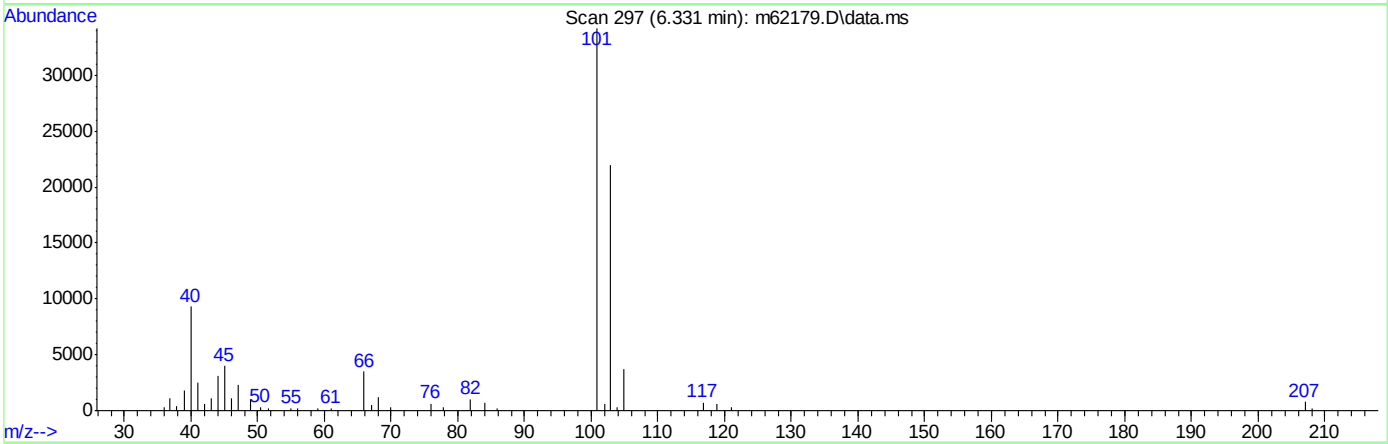
Ion	Exp%	Act%
64.00	100	100
66.00	28.60	31.66
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(14) acrolein (P)

6.331min (-6.331) 0.00ug/kg

response 0

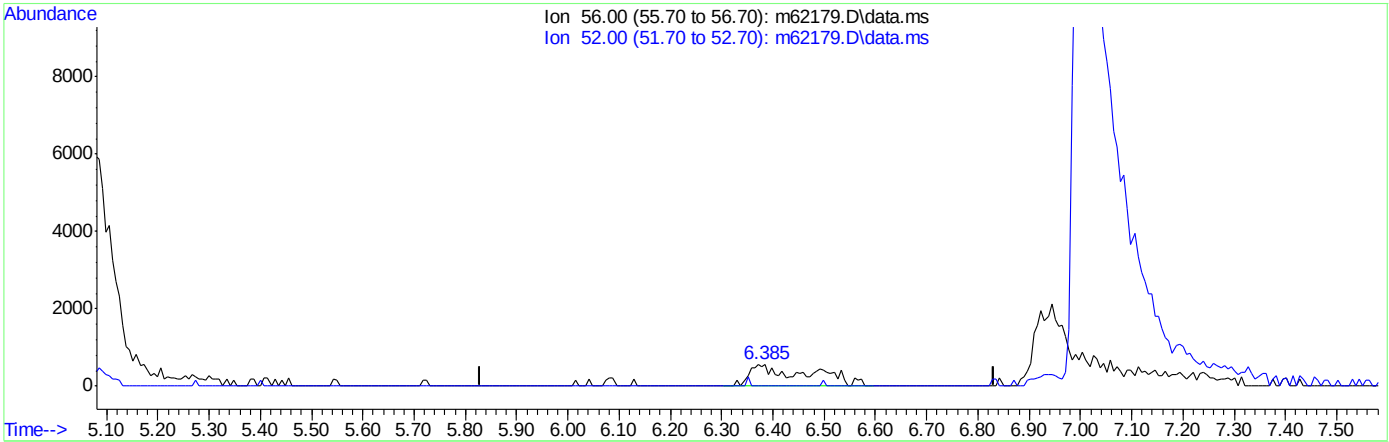
Ion	Exp%	Act%
56.00	100	0.00
52.00	2.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

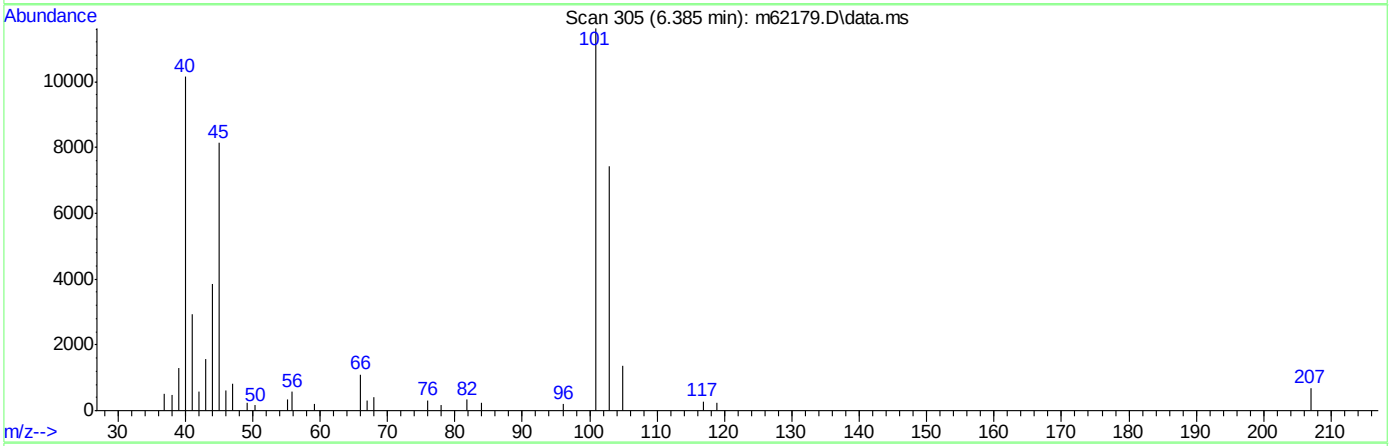
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(14) acrolein (P)

6.385min (+0.054) 6.60ug/kg m

response 4481

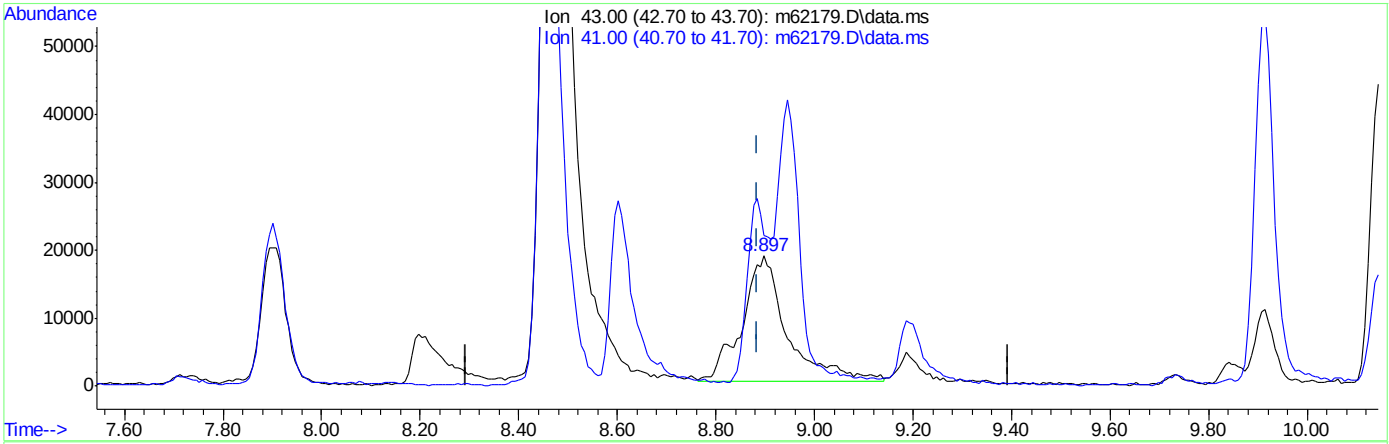
Ion	Exp%	Act%
56.00	100	100
52.00	2.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

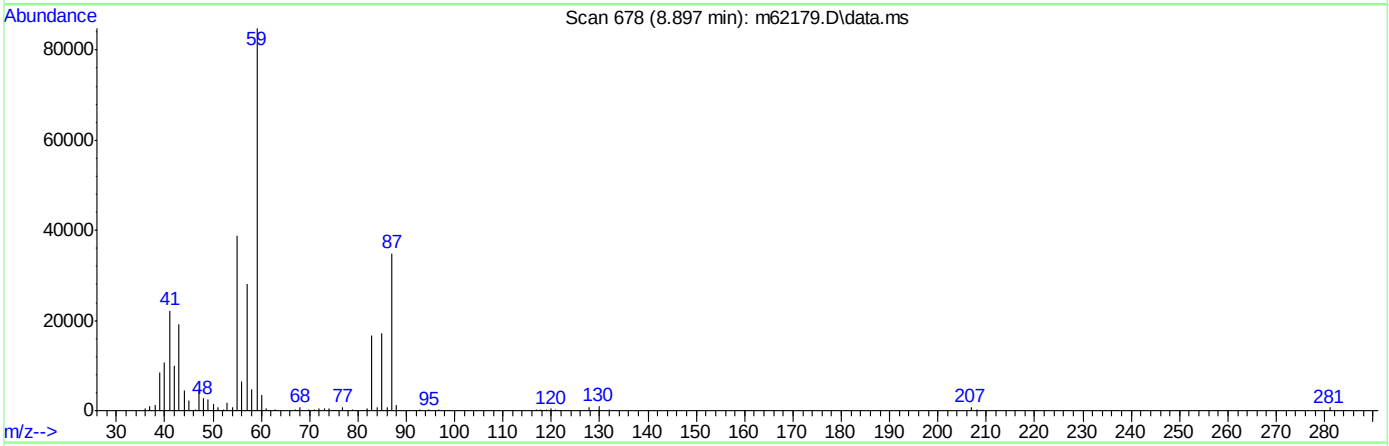
M62179.D edits: acrolein

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(33) isobutyl alcohol (P)

8.897min (+0.013) 347.97ug/kg

response 115810

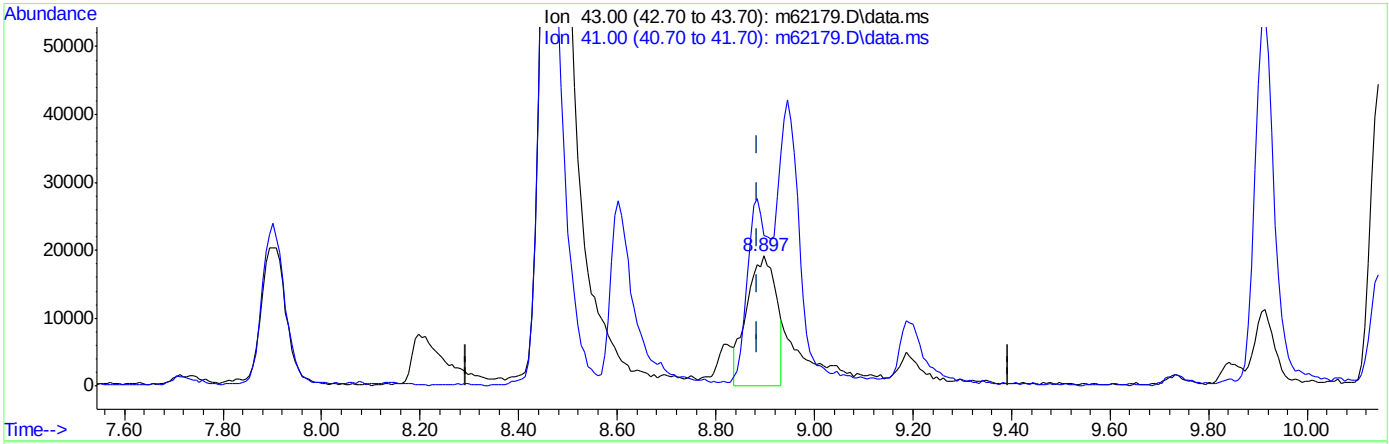
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	116.70#
0.00	0.00	0.00
0.00	0.00	0.00

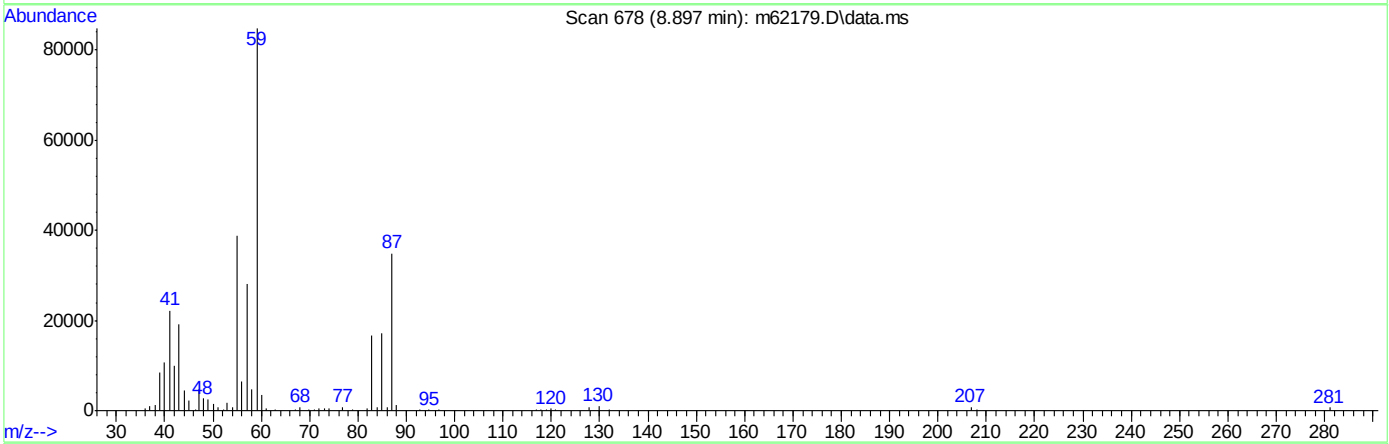
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(33) isobutyl alcohol (P)

8.897min (+0.013) 234.74ug/kg m

response 78127

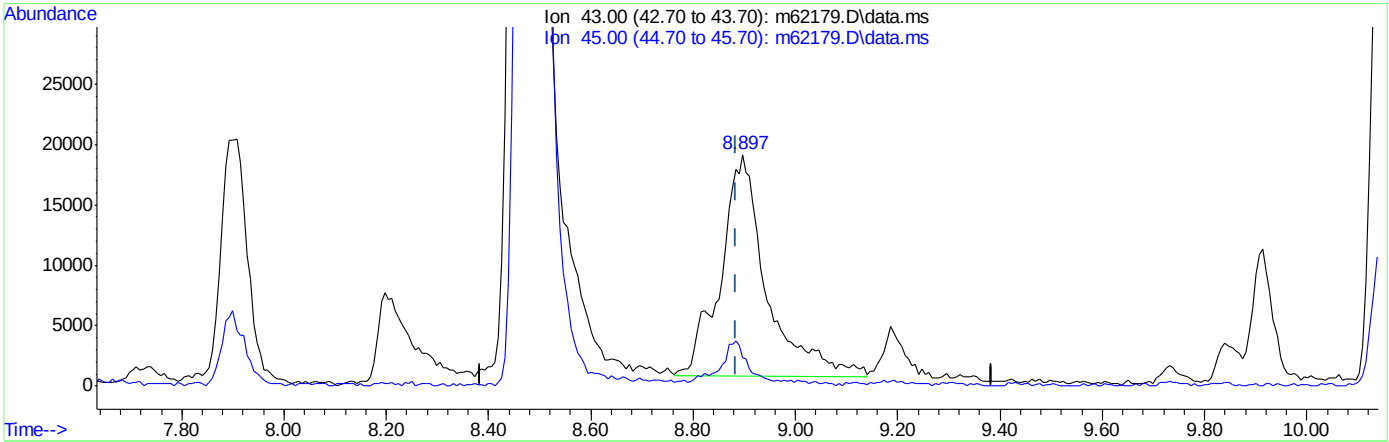
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	115.78#
0.00	0.00	0.00
0.00	0.00	0.00

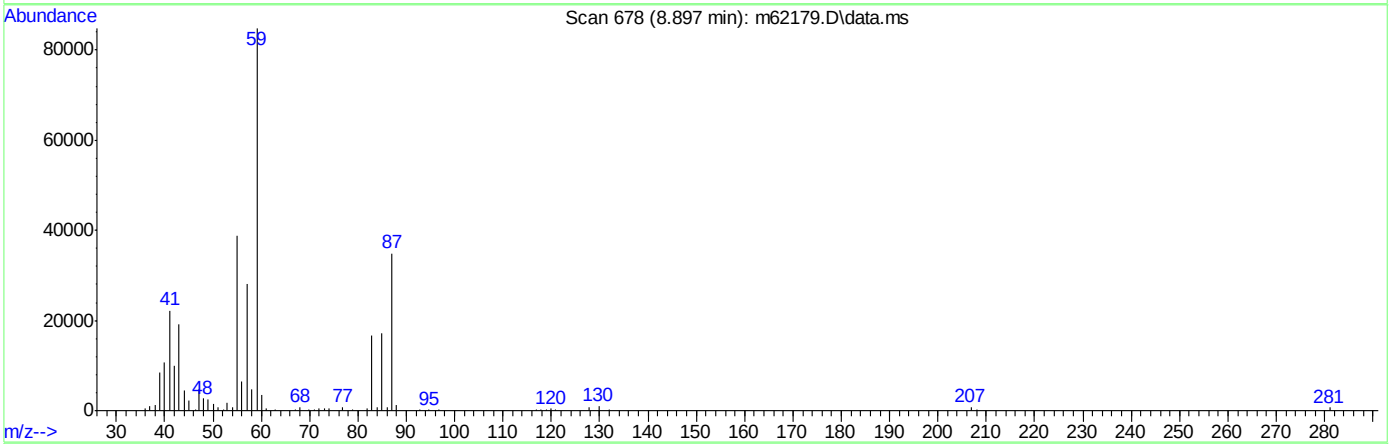
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(36) ethyl acetate (P)

8.897min (+0.013) 51.94ug/kg

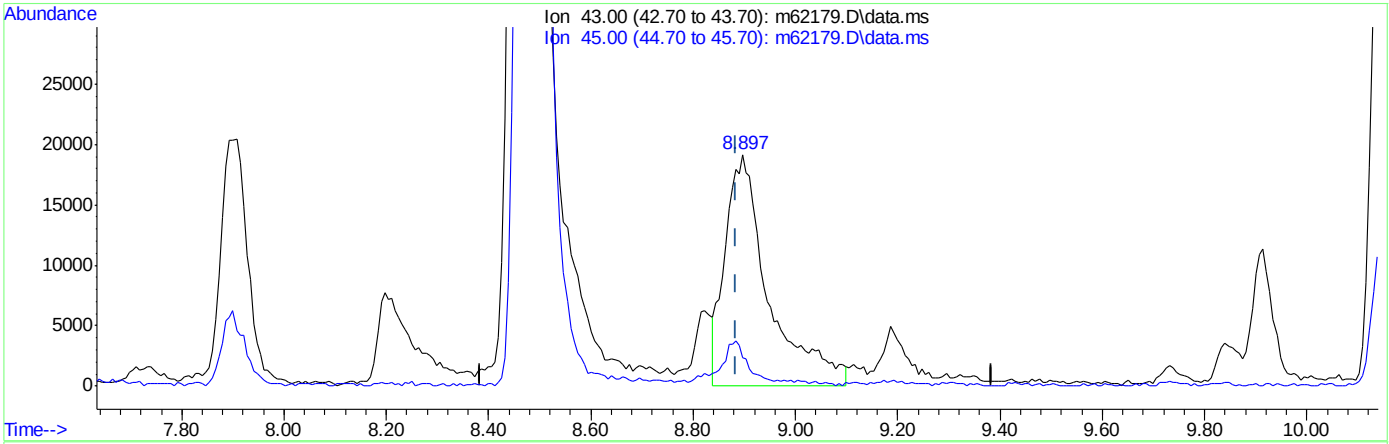
response 114509

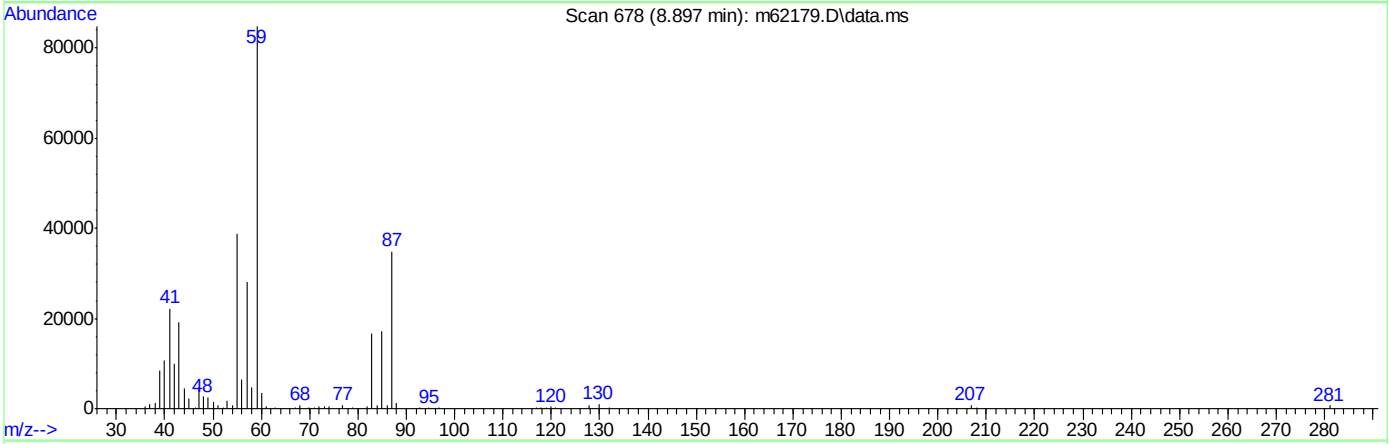
Ion	Exp%	Act%
43.00	100	100
45.00	22.10	11.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62179.D
Acq On : 14 Dec 2013 9:02 am
Operator : krystend
Sample : mc27002-25msd
Misc : MS30779,MSM2172,5.355,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 16 09:30:10 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62179.D\data.ms

(36) ethyl acetate (P)

8.897min (+0.013) 51.65ug/kg m

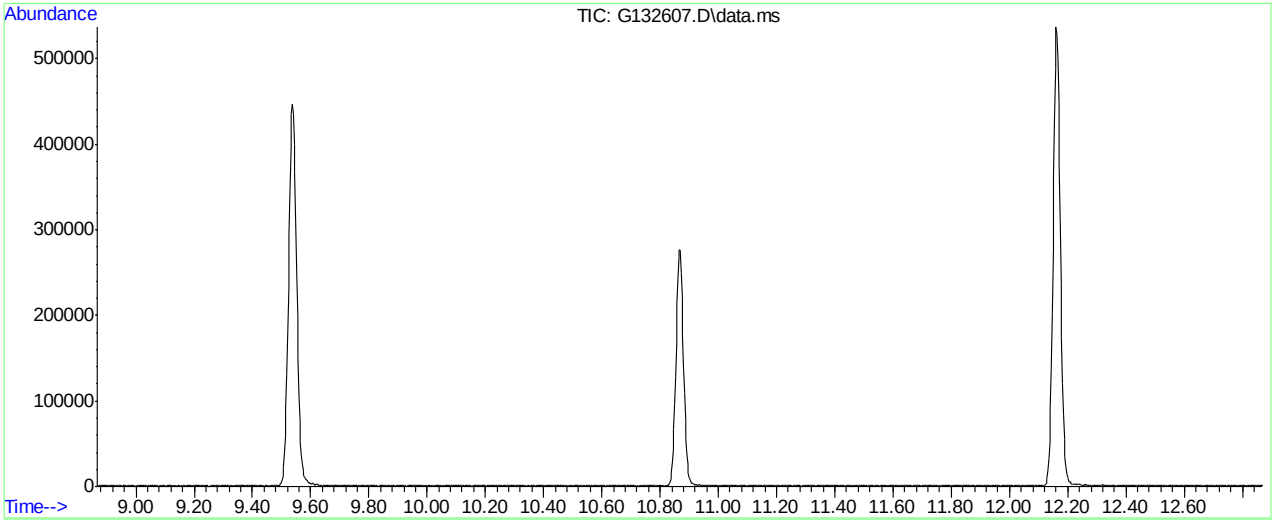
response 113877

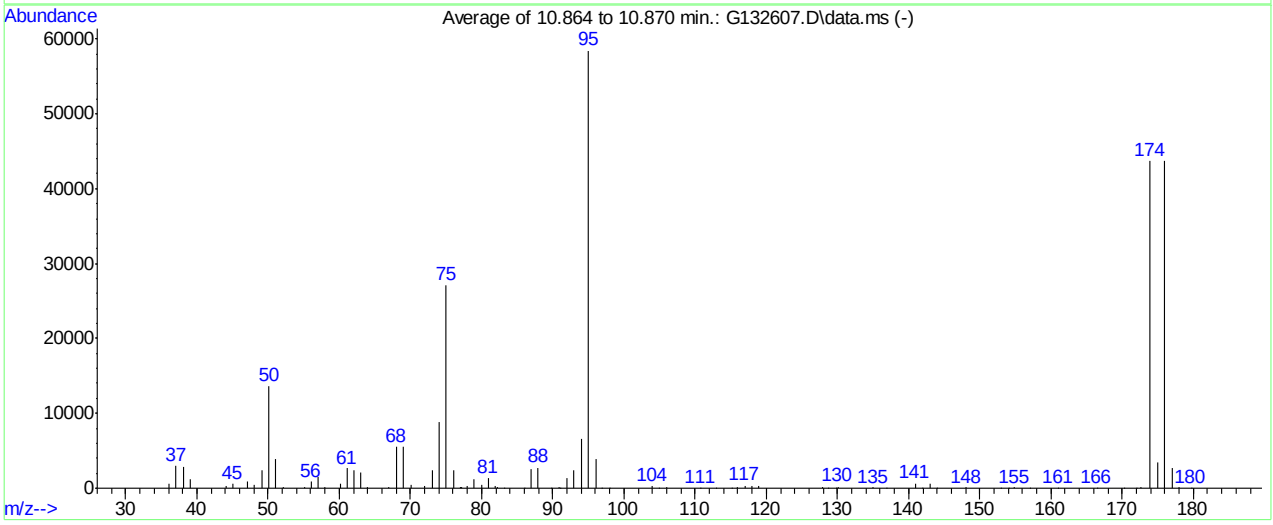
Ion	Exp%	Act%
43.00	100	100
45.00	22.10	12.19
0.00	0.00	0.00
0.00	0.00	0.00

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\G131025\G132607.D Vial: 9
Acq On : 25 Oct 2013 12:16 pm Operator: jaimem
Sample : bfb Inst : MSG
Misc : MS30306,MSG5138,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g131025s.m (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Average of 10.864 to 10.870 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.4	13680	PASS
75	95	30	60	46.4	27144	PASS
95	95	100	100	100.0	58445	PASS
96	95	5	9	6.7	3931	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	74.7	43645	PASS
175	174	5	9	8.0	3470	PASS
176	174	95	101	100.0	43642	PASS
177	176	5	9	6.3	2741	PASS

G132607.D g131025s.m Mon Oct 28 08:20:10 2013

Average of 10.864 to 10.870 min.: G132607.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	656	52.10	173	68.05	5498	78.95	1247
37.05	2959	55.10	124	69.05	5488	80.00	395
38.10	2816	56.05	886	70.05	479	80.95	1395
39.10	1178	57.05	1479	71.95	314	81.85	279
44.05	358	58.00	115	73.05	2462	82.15	94
45.05	586	60.10	583	74.05	8775	83.15	43
47.05	949	61.10	2695	75.05	27144	85.95	34
48.05	439	62.05	2365	76.05	2350	87.00	2503
49.10	2390	63.05	2059	76.95	135	87.95	2715
50.10	13680	63.95	152	77.20	181	89.85	34
51.10	3853	66.95	133	77.95	284	90.85	171

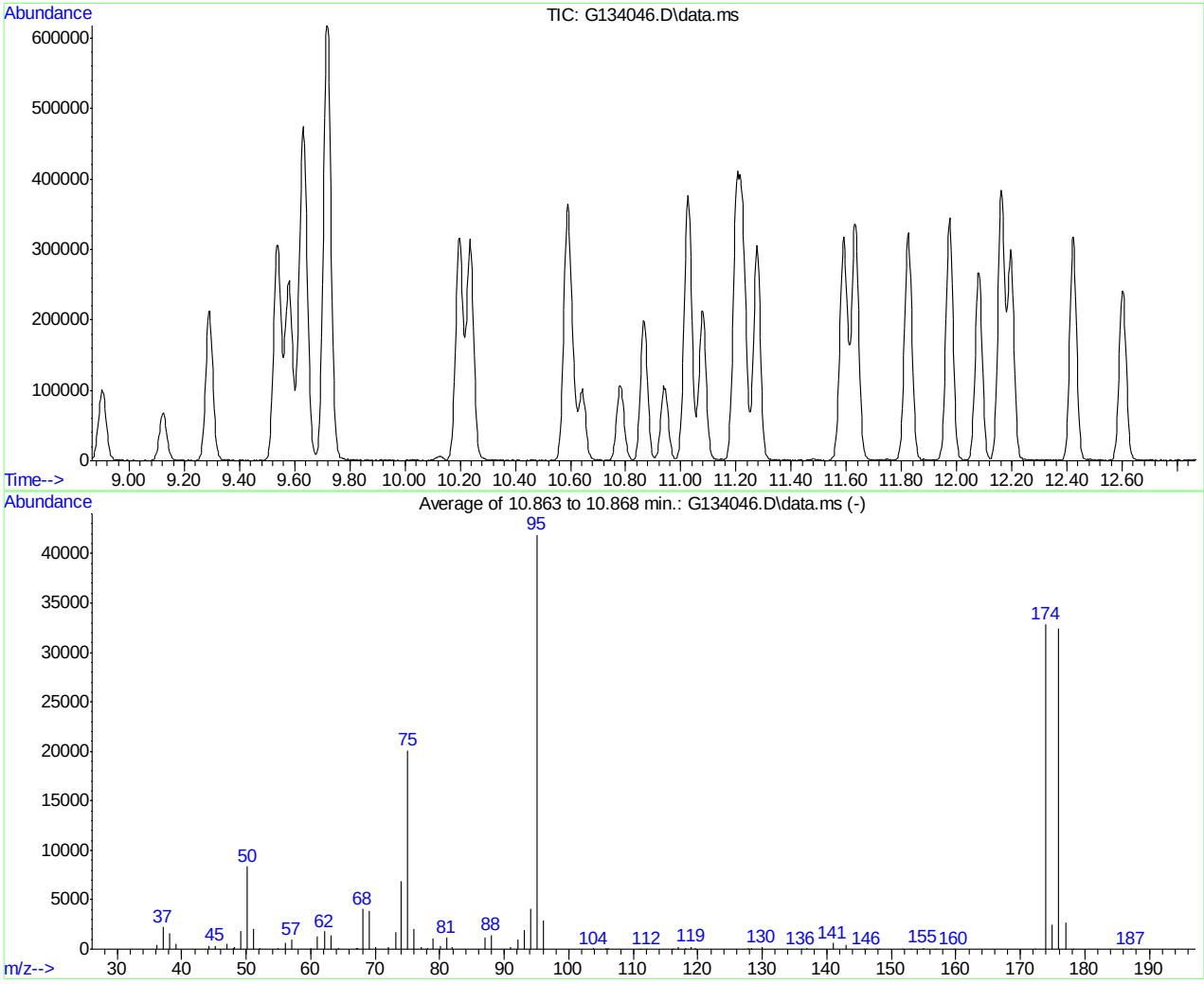
Average of 10.864 to 10.870 min.: G132607.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.05	79	110.75	47	135.05	81	161.05	53
92.05	1385	112.95	79	136.95	41	166.45	37
93.00	2349	115.15	50	140.90	652	170.35	34
94.10	6606	115.95	121	141.85	35	171.95	72
95.05	58445	117.00	329	142.95	619	172.65	134
96.05	3931	118.00	273	143.95	36	173.95	43645
96.85	44	118.95	268	148.10	109	175.00	3470
98.05	37	127.95	152	152.90	78	175.95	43642
104.00	269	128.75	58	154.05	39	177.00	2741
104.85	43	129.85	56	154.85	113	177.95	156
106.00	224	130.05	162	157.05	37	179.65	42

SW-846 Method 8260

```
Data File : C:\msdchem\1\DATA\G131213\G134046.D          Vial: 3
Acq On    : 13 Dec 2013   8:52 am                    Operator: jaimem
Sample    : bfb                                      Inst    : MSG
Misc      : MS30754,MSG5173,10,,100,10,1             Multiplr: 1.00
MS Integration Params: RTEINT.P

Method   : C:\msdchem\1\METHODS\g131025s.m (RTE Integrator)
Title    : SW-846 Method 8260
```



Spectrum Information: Average of 10.863 to 10.868 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.9	8353	PASS
75	95	30	60	48.0	20104	PASS
95	95	100	100	100.0	41917	PASS
96	95	5	9	6.9	2910	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	78.5	32896	PASS
175	174	5	9	7.5	2457	PASS
176	174	95	101	98.5	32400	PASS
177	176	5	9	8.3	2688	PASS

G134046.D g131025s.m Fri Dec 13 10:03:56 2013

Average of 10.863 to 10.868 min.: G134046.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	449	51.10	2081	67.25	76	79.00	1095
37.10	2213	52.05	153	68.05	4068	80.10	326
38.15	1658	54.95	92	69.10	3860	81.00	1178
39.10	592	56.10	611	70.00	257	81.90	227
44.15	341	57.05	972	72.00	197	87.00	1216
45.15	379	60.05	145	73.10	1686	88.00	1441
47.05	515	61.05	1317	74.05	6863	91.00	259
48.05	127	62.10	1795	75.05	20104	92.10	954
48.20	246	63.10	1397	76.05	2063	93.05	1945
49.10	1841	64.25	59	77.15	169	94.10	4075
50.15	8353	67.05	85	78.15	115	95.05	41917

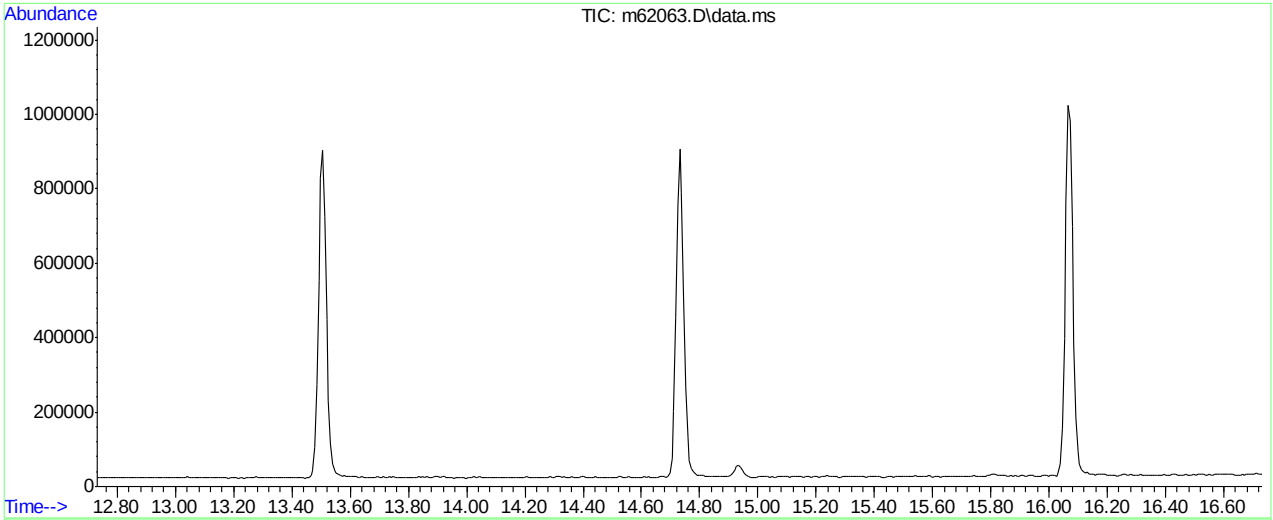
Average of 10.863 to 10.868 min.: G134046.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.10	2910	127.80	105	151.75	44	187.15	37
103.85	96	128.25	63	152.95	44		
105.85	60	129.90	171	155.00	132		
106.15	70	136.05	38	156.85	35		
111.05	42	136.95	82	159.75	34		
112.05	46	141.00	630	172.25	36		
116.15	34	143.00	471	174.00	32896		
117.00	204	145.85	50	175.00	2457		
118.05	62	146.15	56	175.95	32400		
119.00	223	147.65	48	177.05	2688		
119.65	80	148.15	45	178.15	47		

BFB

Data File : C:\msdchem\1\data\M131211S\m62063.D Vial: 5
Acq On : 11 Dec 2013 1:55 pm Operator: krystend
Sample : bfb Inst : GCMS M
Misc : MS30736,MSM2169,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M131211S.M (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Average of 14.724 to 14.738 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	31083	PASS
75	95	30	60	41.2	69645	PASS
95	95	100	100	100.0	168896	PASS
96	95	5	9	6.8	11434	PASS
173	174	0.00	2	0.7	994	PASS
174	95	50	150	87.5	147755	PASS
175	174	5	9	7.6	11287	PASS
176	174	95	101	96.4	142477	PASS
177	176	5	9	6.5	9307	PASS

m62063.D M131211S.M Thu Dec 12 09:18:51 2013

Average of 14.724 to 14.738 min.: m62063.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1496	50.00	31083	63.05	4741	75.00	69645
37.05	7538	51.05	10067	64.05	425	76.00	6027
38.05	6806	52.05	362	64.90	52	77.00	854
39.00	2472	53.10	74	65.20	54	77.95	821
40.00	582	54.95	606	67.05	446	78.90	3446
42.90	180	56.00	2040	68.00	13763	79.95	869
44.00	756	57.05	3835	69.00	13376	80.90	3739
44.90	1149	58.05	171	69.95	1143	81.80	513
47.05	2552	60.00	1394	71.95	735	82.90	119
48.05	989	61.05	6630	73.00	6215	84.00	62
49.00	6597	62.00	6530	74.00	22443	86.00	80

Average of 14.724 to 14.738 min.: m62063.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	7012	105.85	575	128.95	268	145.85	308
87.95	7008	106.80	108	129.90	534	146.95	188
91.05	501	112.90	73	130.85	269	147.90	407
91.95	4096	114.90	240	132.80	52	148.90	142
93.00	6231	115.85	512	134.85	282	154.95	381
94.00	18005	116.90	967	136.95	173	156.95	297
95.00	168896	117.85	505	140.90	1611	158.70	57
95.95	11434	118.90	723	141.95	177	160.85	129
96.95	245	123.80	60	142.85	1630	170.20	64
103.00	59	124.10	56	144.00	64	172.00	102
103.85	704	127.90	687	144.90	130	173.00	994

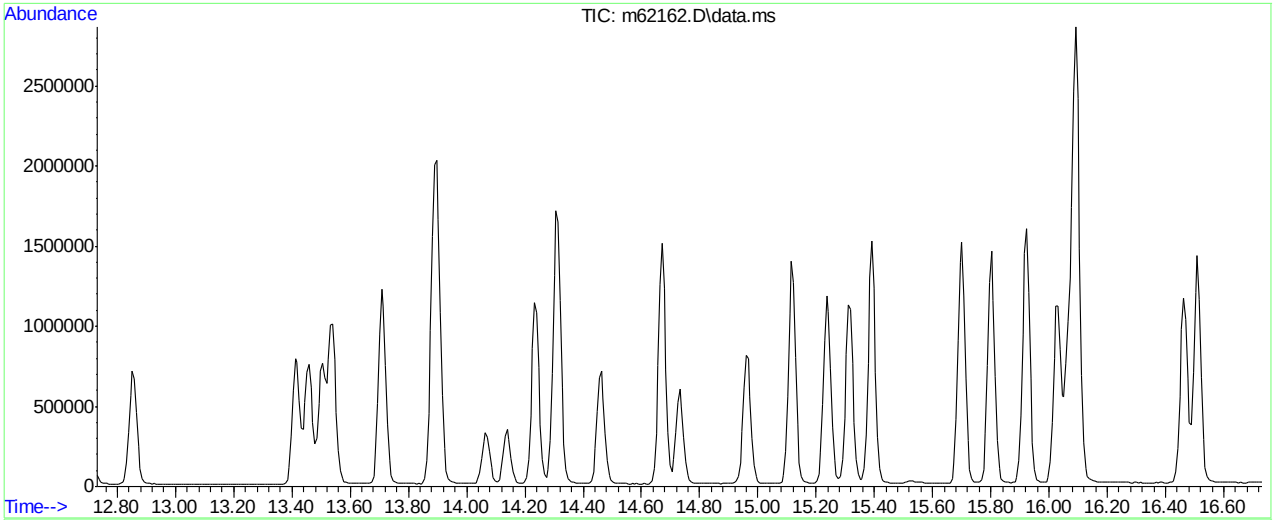
Average of 14.724 to 14.738 min.: m62063.D\data.ms
bfb
Modified:subtracted

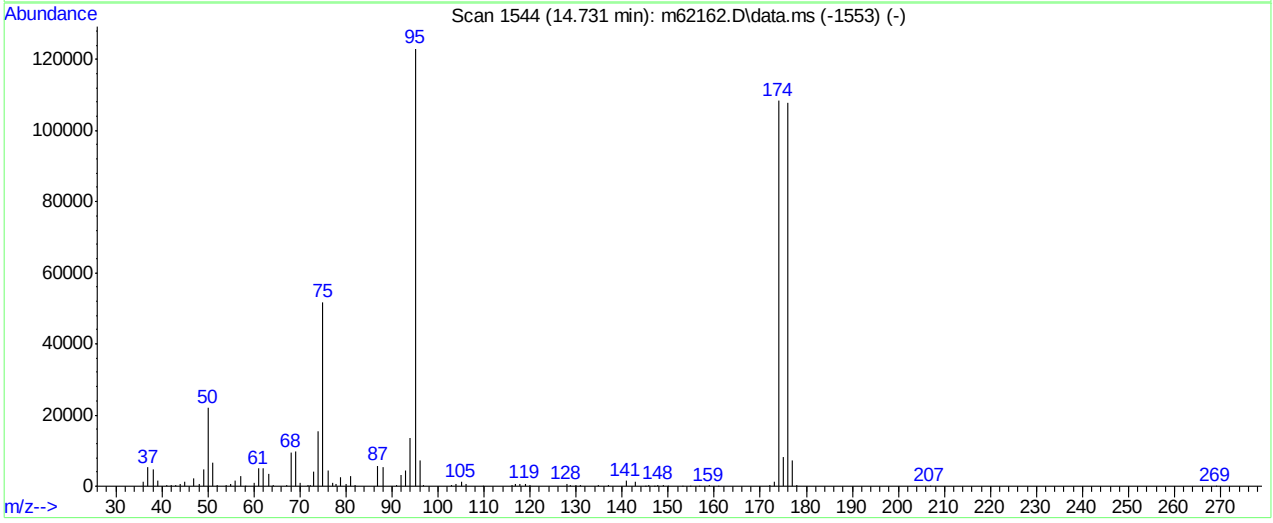
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
173.90	147755						
174.90	11287						
175.90	142477						
176.90	9307						
177.90	298						
187.00	51						
208.05	131						
252.80	52						
281.05	140						

BFB

Data File : C:\msdchem\1\data\M131213S\m62162.D Vial: 28
Acq On : 14 Dec 2013 12:41 am Operator: krystend
Sample : bfb Inst : GCMS M
Misc : MS30775,MSM2172,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M131211S.M (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Scan 1544

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.9	22002	PASS
75	95	30	60	42.1	51817	PASS
95	95	100	100	100.0	123061	PASS
96	95	5	9	5.8	7131	PASS
173	174	0.00	2	1.2	1274	PASS
174	95	50	150	88.0	108345	PASS
175	174	5	9	7.5	8105	PASS
176	174	95	101	99.6	107895	PASS
177	176	5	9	6.7	7201	PASS

m62162.D M131211S.M Mon Dec 16 09:05:35 2013

Scan 1544 (14.731 min): m62162.D\data.ms (-1553)
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	1222	49.00	4794	62.00	5195	74.95	51817
37.00	5358	49.95	22002	63.10	3457	76.00	4406
38.00	4696	51.00	6656	64.10	333	77.10	966
39.10	1743	52.00	295	67.00	344	77.90	506
41.00	221	53.90	202	68.00	9520	78.90	2434
42.10	170	55.00	488	69.00	9706	79.90	629
43.00	169	56.00	1668	70.00	844	80.90	2814
44.00	750	57.00	2889	71.75	305	82.00	433
45.00	1330	58.10	152	72.20	365	86.90	5796
47.00	2110	60.00	1029	73.00	4145	88.00	5329
48.00	719	61.00	5008	74.00	15392	91.00	437

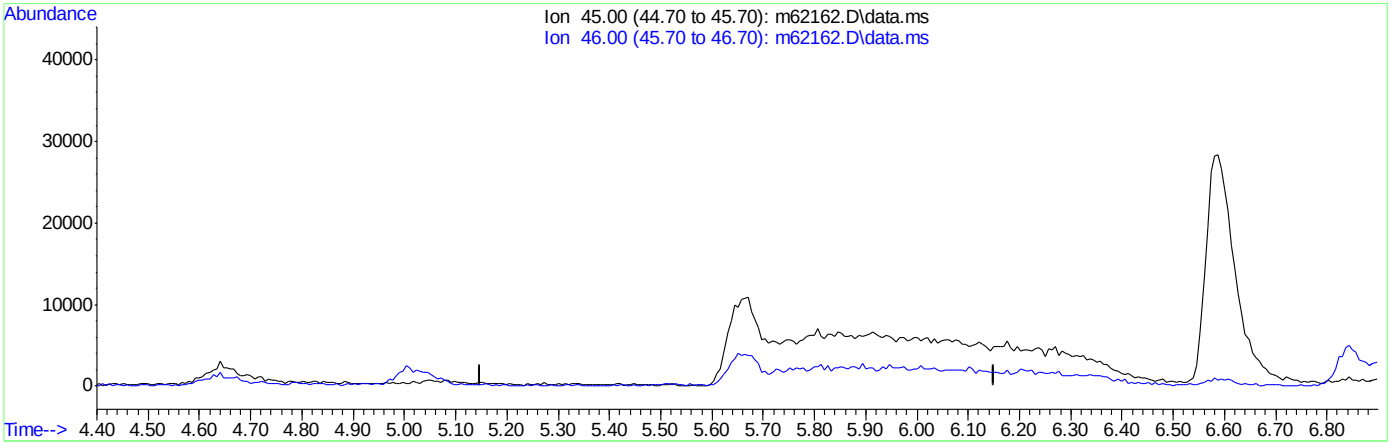
Scan 1544 (14.731 min): m62162.D\data.ms (-1553)
bfb
Modified:subtracted

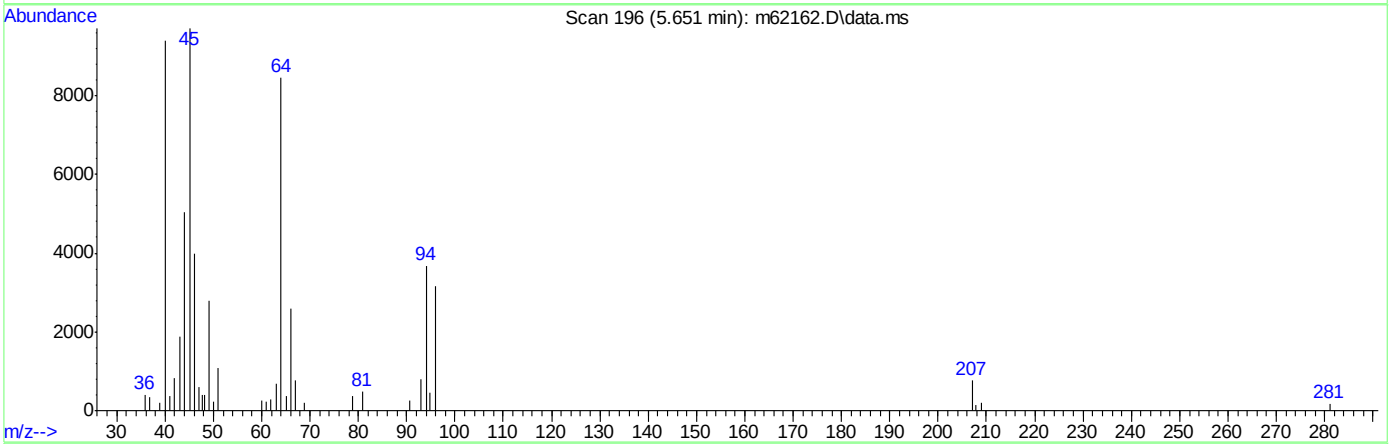
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	3225	116.00	430	140.90	1568	158.90	277
93.00	4514	116.90	712	142.90	1430	160.90	166
94.00	13414	117.80	523	145.00	159	172.00	239
95.00	123061	118.90	738	145.80	248	173.00	1274
96.00	7131	119.90	320	146.90	57	173.90	108345
96.90	430	127.90	604	147.80	455	175.00	8105
103.00	306	128.80	249	149.00	188	175.85	107895
103.90	665	130.00	442	149.80	153	176.90	7201
105.10	1212	130.80	175	153.00	150	177.90	338
106.00	728	134.90	306	154.80	125	206.90	8
109.80	165	136.90	219	156.80	151	269.00	75

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(3) Ethanol (P)

5.650min (-5.650) 0.00ug/kg

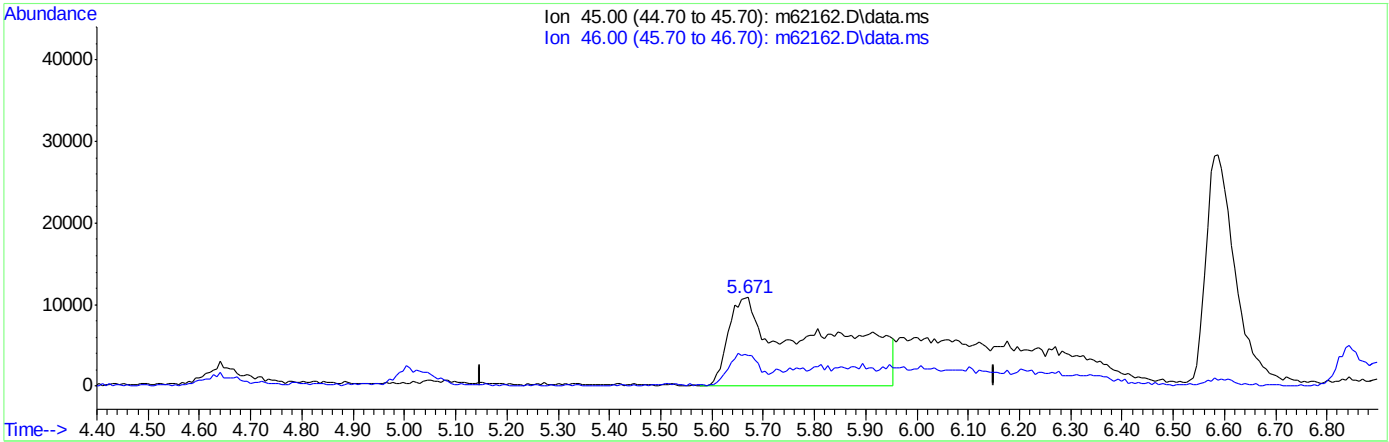
response 0

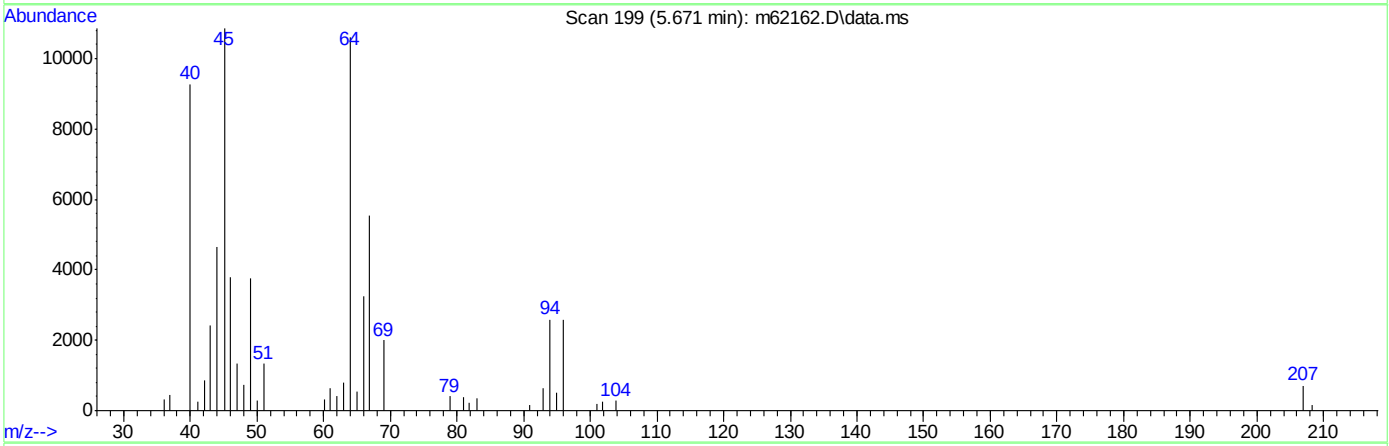
Ion	Exp%	Act%
45.00	100	0.00
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(3) Ethanol (P)

5.671min (+0.021) 4676.20ug/kg m

response 134764

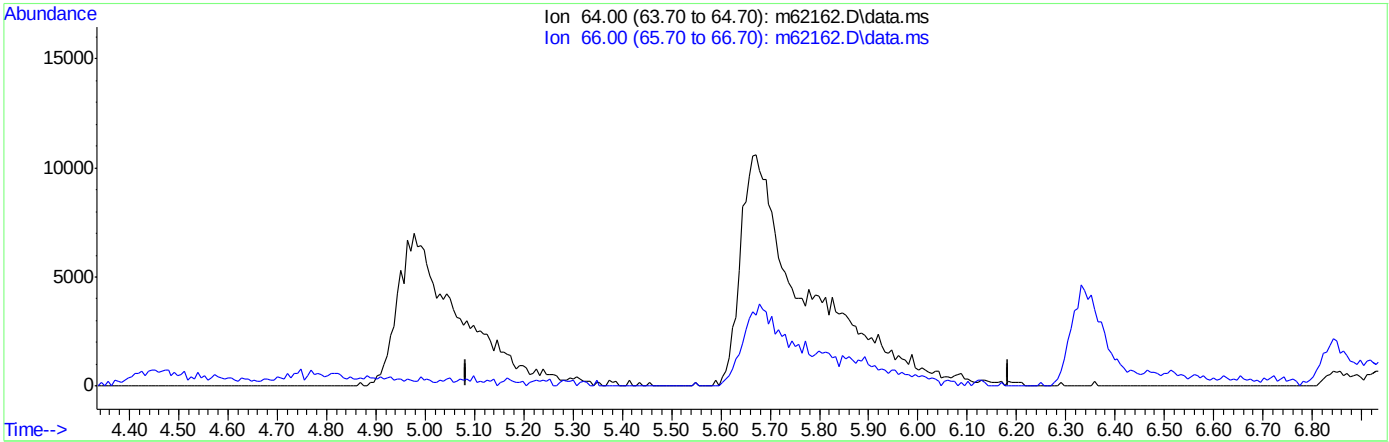
Ion	Exp%	Act%
45.00	100	100
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

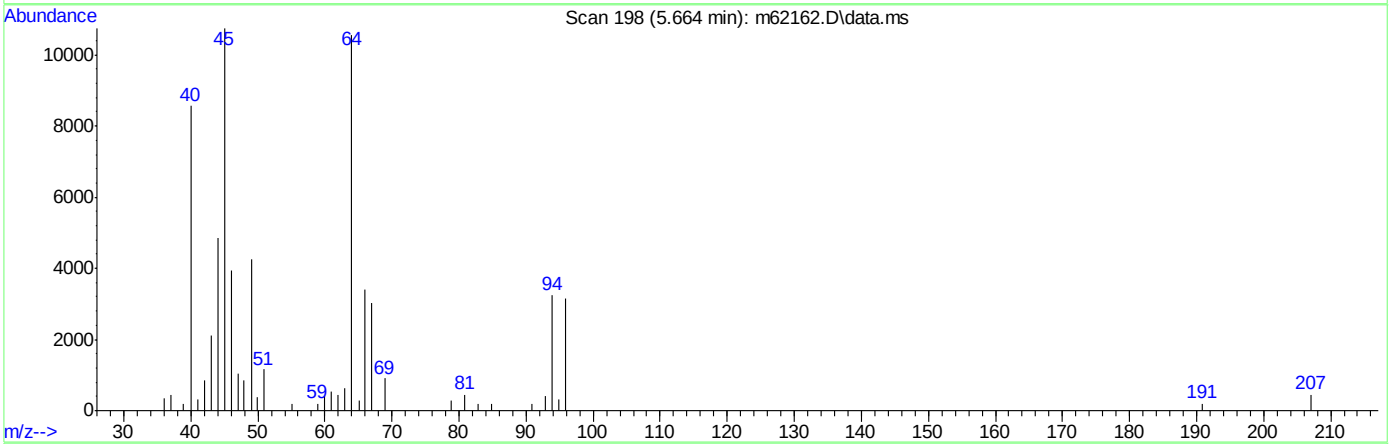
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(9) chloroethane (P)

5.664min (-5.664) 0.00ug/kg

response 0

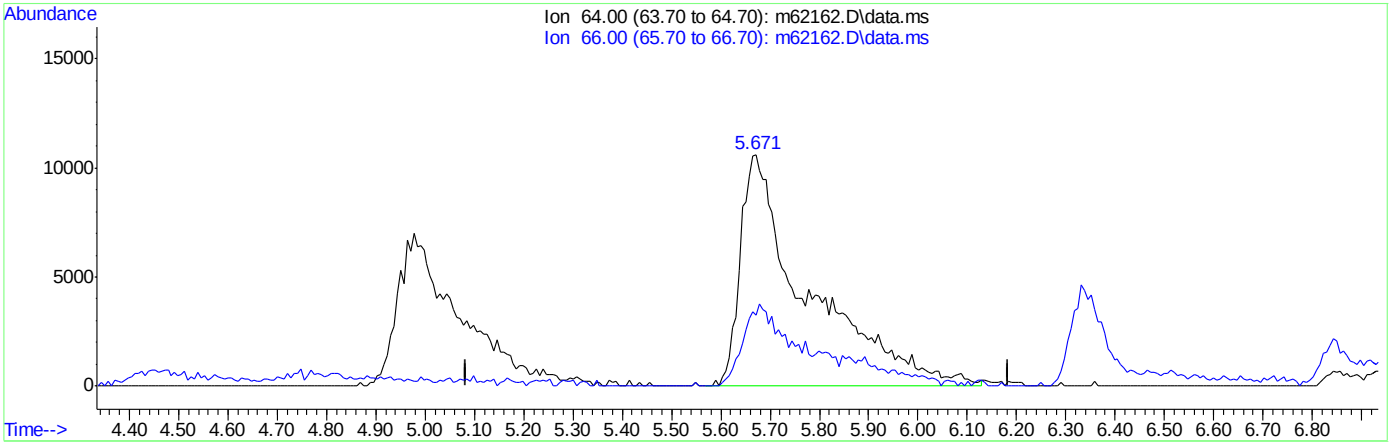
Ion	Exp%	Act%
64.00	100	0.00
66.00	28.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

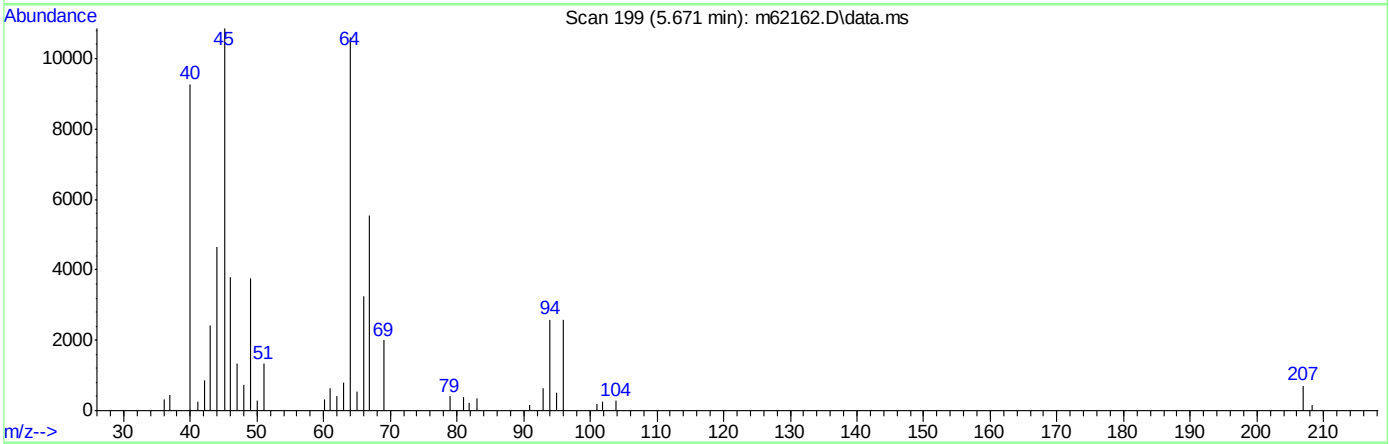
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(9) chloroethane (P)

5.671min (+0.007) 45.57ug/kg m

response 100775

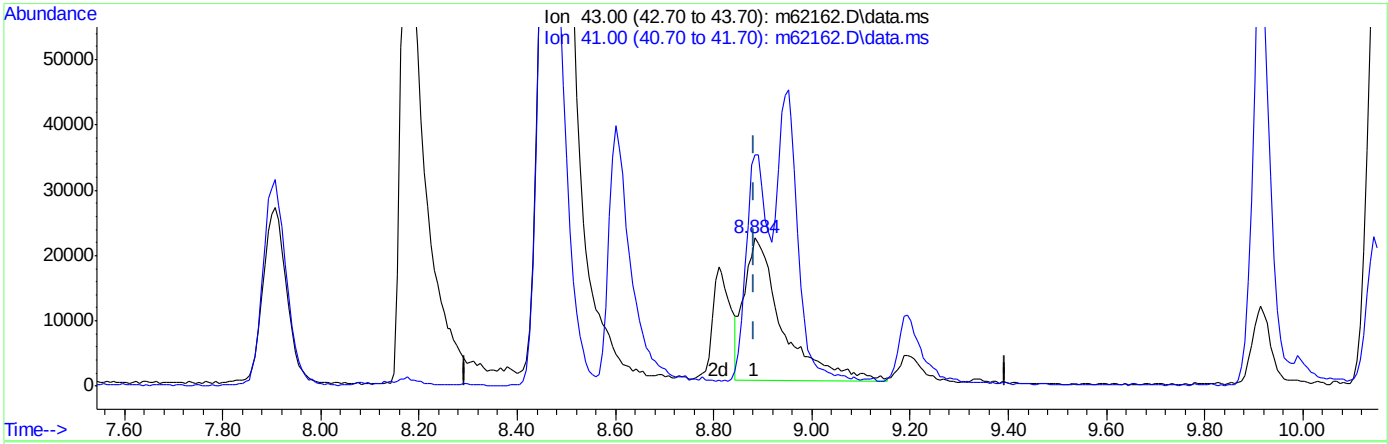
Ion	Exp%	Act%
64.00	100	100
66.00	28.60	30.62
0.00	0.00	0.00
0.00	0.00	0.00

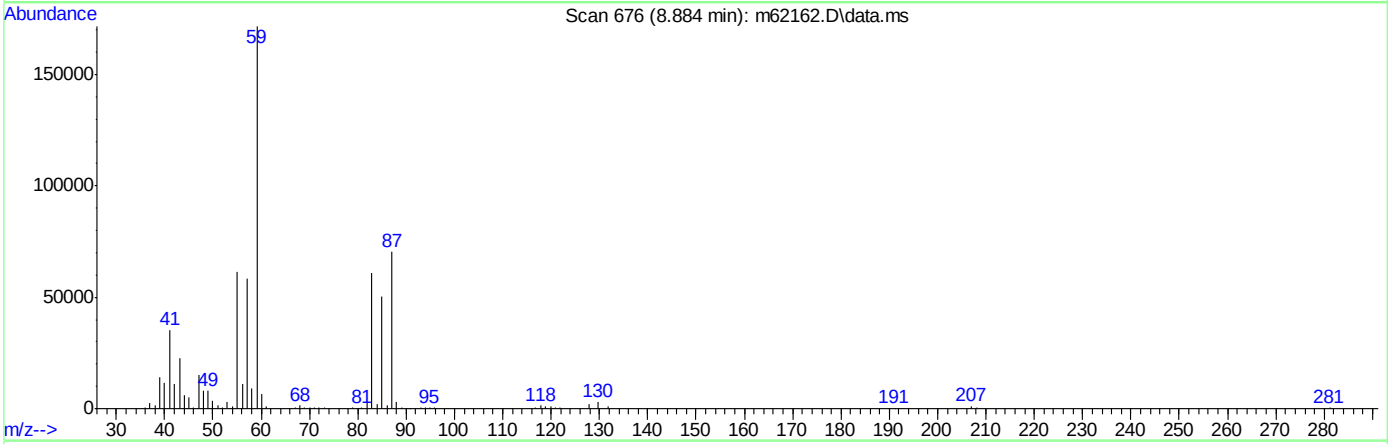
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(33) isobutyl alcohol (P)

8.884min (0.000) 324.81ug/kg

response 118155

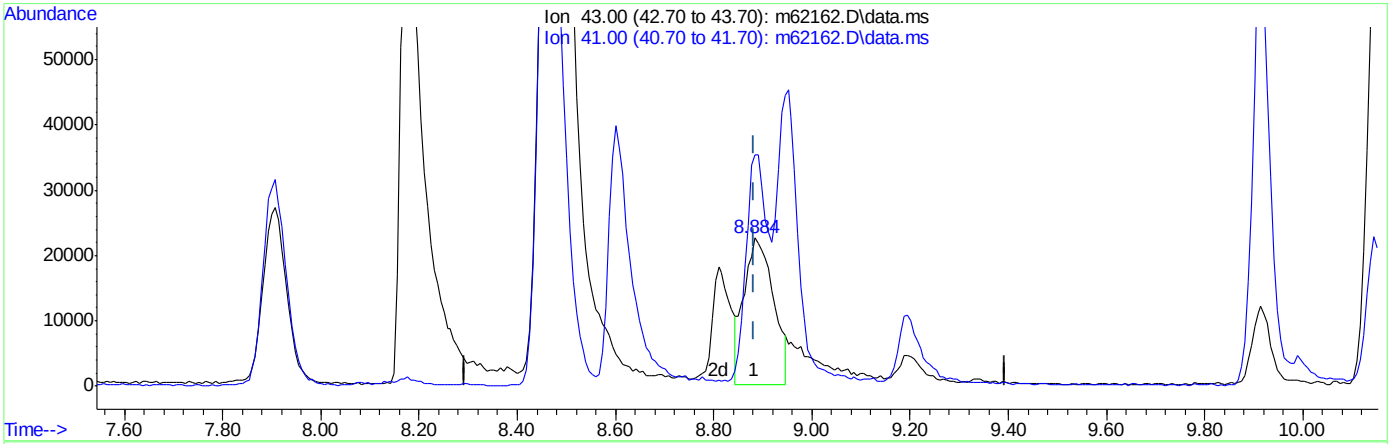
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	160.24
0.00	0.00	0.00
0.00	0.00	0.00

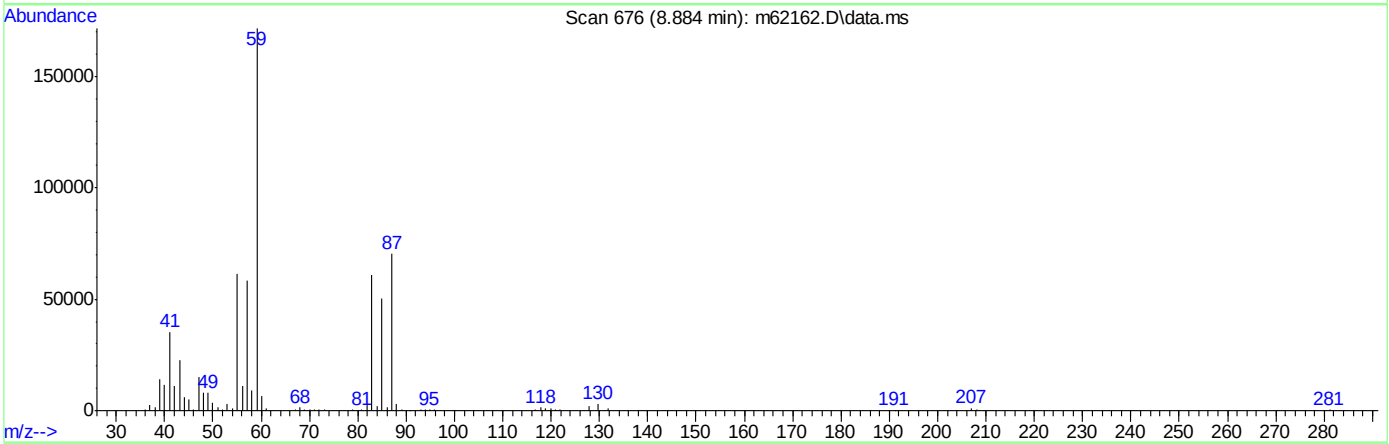
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(33) isobutyl alcohol (P)

8.884min (0.000) 254.02ug/kg m

response 92404

Ion	Exp%	Act%
43.00	100	100
41.00	151.70	156.55
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26964

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
10/28/13 09:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132608.D
Acq On : 25 Oct 2013 12:45 pm
Operator : jaimem
Sample : ic5138-0.5
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 28 07:32:20 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:31:08 2013
Response via : Initial Calibration

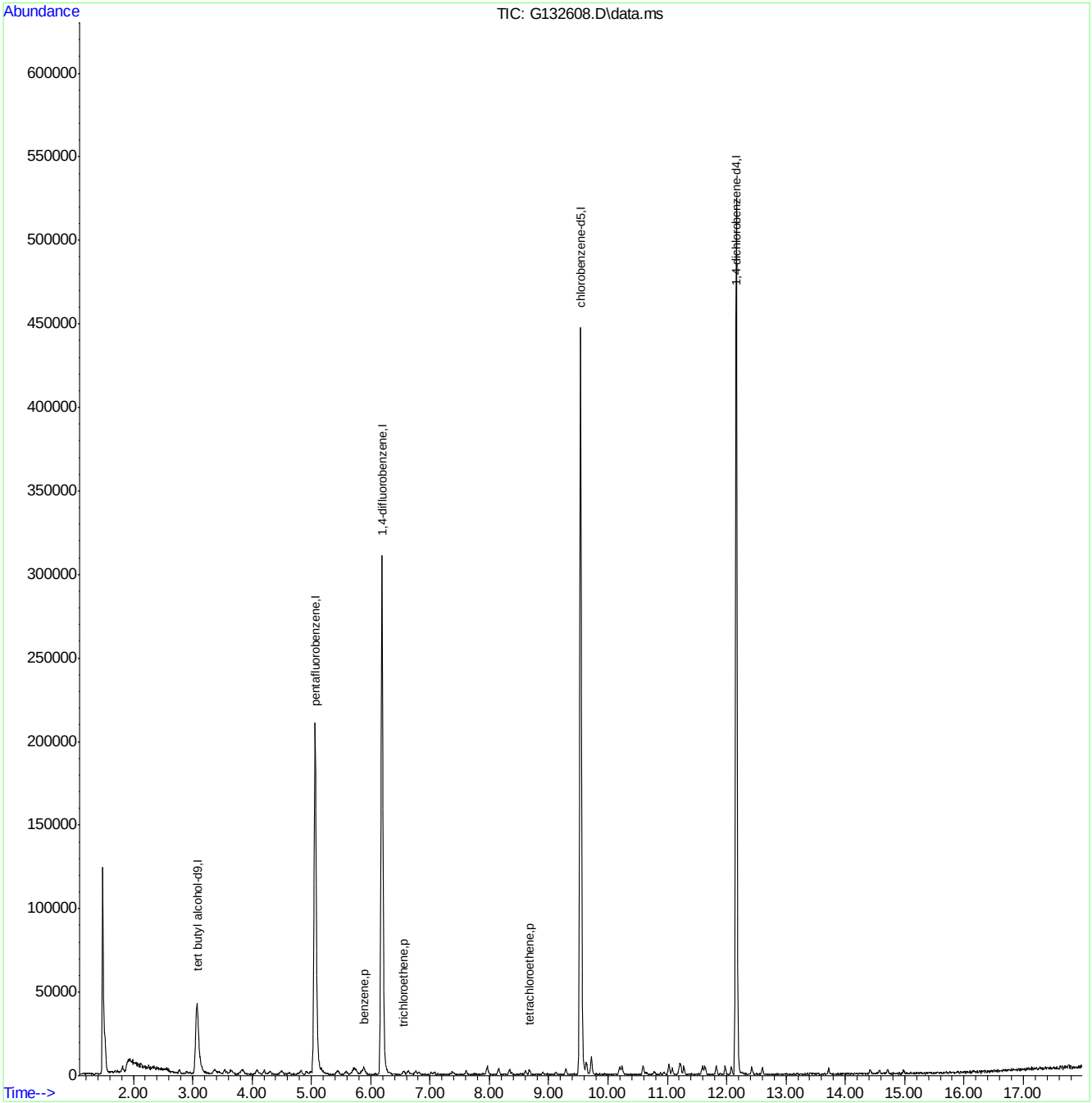
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.084	65	87364	500.00	ppb	0.00
4) pentafluorobenzene	5.069	168	196327	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.193	114	313575	50.00	ppb	0.00
66) chlorobenzene-d5	9.538	82	158597	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.163	152	144751	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	0.000	113	0	0.00	ppb	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
60) toluene-d8 (s)	0.000	98	0	0.00	ppb	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
82) bromofluorobenzene (s)	0.000	95	0	0.00	ppb	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
47) benzene	5.891	78	3529	0.58	ppb	90
51) trichloroethene	6.555	95	831m	0.49	ppb	
67) tetrachloroethene	8.677	166	959m	0.59	ppb	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132608.D
Acq On : 25 Oct 2013 12:45 pm
Operator : jaimem
Sample : ic5138-0.5
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 28 07:32:20 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:31:08 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC26964

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
10/28/13 09:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132609.D
Acq On : 25 Oct 2013 1:13 pm
Operator : jaimem
Sample : ic5138-2
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 28 07:35:56 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:32:29 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.085	65	89409	500.00	ppb		0.00
4) pentafluorobenzene	5.068	168	202427	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.192	114	319061	50.00	ppb		0.00
66) chlorobenzene-d5	9.539	82	162128	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.163	152	152800	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	0.000	113	0	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
60) toluene-d8 (s)	0.000	98	0	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
82) bromofluorobenzene (s)	0.000	95	0	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
3) Ethanol	2.443	45	6241m	278.50	ppb		
5) dichlorodifluoromethane	1.645	85	4177m	2.82	ppb		
7) vinyl chloride	1.891	62	2333	2.45	ppb		97
8) bromomethane	2.257	96	1840	2.58	ppb	#	69
12) trichlorofluoromethane	2.602	101	5270m	2.10	ppb		
15) 1,1-dichloroethene	3.083	96	3690m	2.21	ppb		
18) methylene chloride	3.536	84	3792	2.27	ppb	#	66
19) methyl tert butyl ether	3.655	73	9582	2.19	ppb		91
22) trans-1,2-dichloroethene	3.802	96	3470	2.12	ppb		89
28) di-isopropyl ether	4.086	45	15398	2.19	ppb		96
33) 1,1-dichloroethane	4.219	63	7551	2.25	ppb		88
34) tert-butyl ethyl ether	4.500	59	12220	2.21	ppb		91
37) cis-1,2-dichloroethene	4.829	96	3893	2.33	ppb		88
39) chloroform	4.995	83	6214	2.18	ppb		83
42) 1,1,1-trichloroethane	5.433	97	4548m	2.01	ppb		
45) carbon tetrachloride	5.707	117	4437	1.95	ppb		76
47) benzene	5.890	78	14709	2.19	ppb		93
48) 1,2-dichloroethane	5.871	62	5461	2.33	ppb		90
51) trichloroethene	6.559	95	3840	2.25	ppb		85
52) 1,2-dichloropropane	6.757	63	4500	2.41	ppb		92
54) bromodichloromethane	7.015	83	4954	2.42	ppb		86
59) cis-1,3-dichloropropene	7.608	75	5858	2.16	ppb		88
63) trans-1,3-dichloropropene	8.161	75	4815	2.04	ppb		96
64) 1,1,2-trichloroethane	8.335	83	2922	2.45	ppb	#	67
67) tetrachloroethene	8.677	166	3567	1.97	ppb		84
69) dibromochloromethane	8.903	129	3454	2.17	ppb		87
70) 1,2-dibromoethane	9.124	107	3544	2.38	ppb	#	67
72) chlorobenzene	9.580	112	10540	2.28	ppb		97
74) ethylbenzene	9.635	91	18052	2.32	ppb		92
75) m,p-xylene	9.720	106	13559	4.56	ppb		89
76) o-xylene	10.198	106	6763	2.27	ppb		88
78) bromoform	10.611	173	2145	2.06	ppb		84
84) 1,1,2,2-tetrachloroethane	10.783	83	4242	2.30	ppb		92
93) 1,3-dichlorobenzene	12.081	146	8121	2.18	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132609.D
Acq On : 25 Oct 2013 1:13 pm
Operator : jaimem
Sample : ic5138-2
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 28 07:35:56 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:32:29 2013
Response via : Initial Calibration

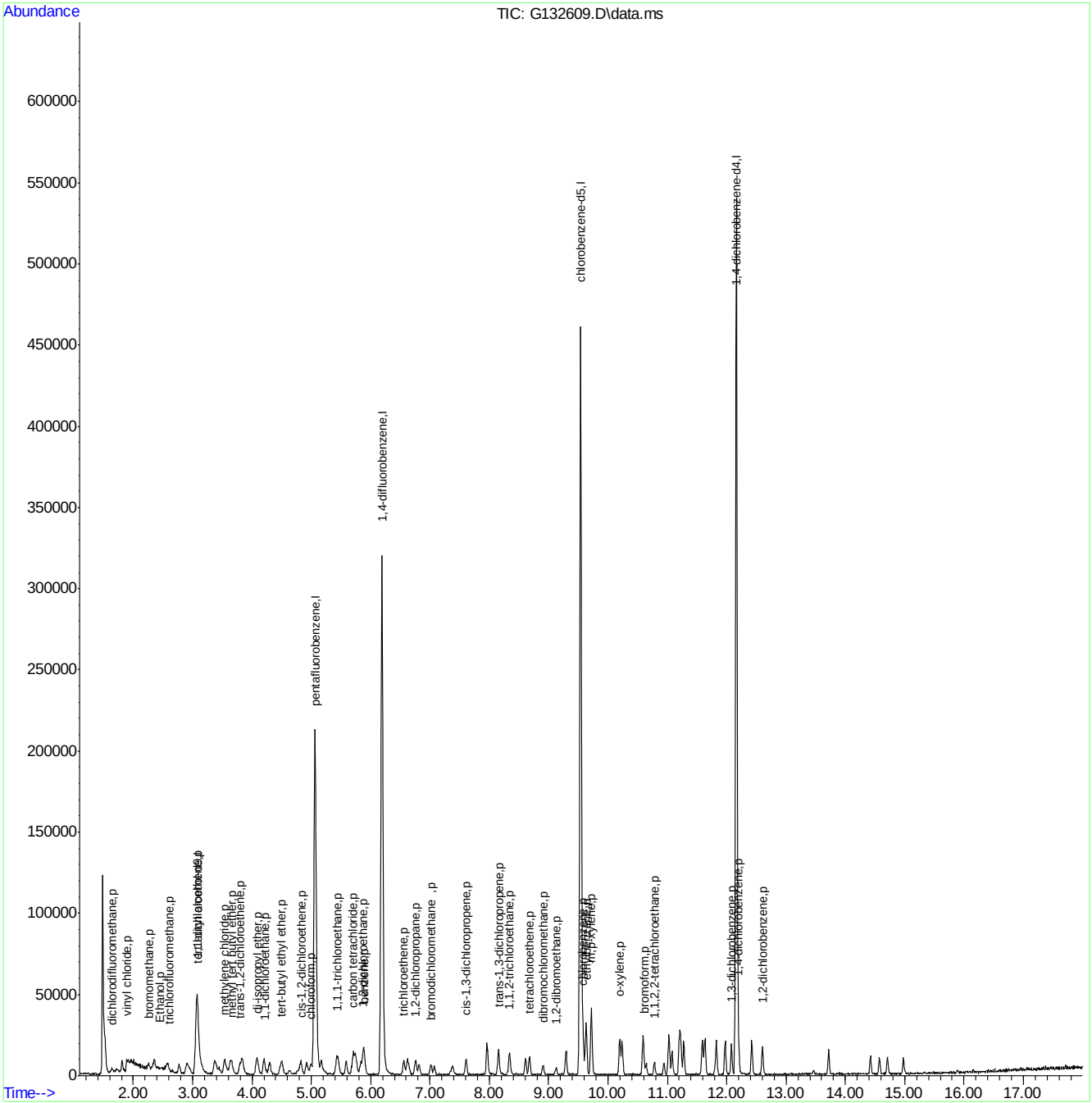
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) 1,4-dichlorobenzene	12.198	146	8425	2.34	ppb	90
96) 1,2-dichlorobenzene	12.604	146	7723	2.21	ppb	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132609.D
Acq On : 25 Oct 2013 1:13 pm
Operator : jaimem
Sample : ic5138-2
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 28 07:35:56 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:32:29 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
10/28/13 09:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132610.D
Acq On : 25 Oct 2013 1:42 pm
Operator : jaimem
Sample : ic5138-5
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 28 07:40:07 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:37:14 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.085	65	90909	500.00	ppb		0.00
4) pentafluorobenzene	5.068	168	204921	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.193	114	325000	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	163324	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.163	152	153348	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.227	113	7084	5.01	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.02%#				
60) toluene-d8 (s)	7.877	98	28966	5.10	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.20%#				
82) bromofluorobenzene (s)	10.868	95	11166	5.00	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.00%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.157	59	9326	57.58	ppb		85
3) Ethanol	2.459	45	13709m	502.95	ppb		
5) dichlorodifluoromethane	1.644	85	6374m	3.53	ppb		
6) chloromethane	1.812	50	9588	4.09	ppb		97
7) vinyl chloride	1.892	62	4084	3.81	ppb		97
8) bromomethane	2.257	96	2980	3.61	ppb	#	44
9) chloroethane	2.327	64	3308	4.08	ppb		95
10) ethyl ether	2.775	59	7788	5.08	ppb		78
11) acetonitrile	3.427	41	15673	4.87	ppb		72
12) trichlorofluoromethane	2.609	101	9611m	3.69	ppb		
13) freon-113	2.916	101	8395	4.71	ppb	#	61
14) acrolein	2.906	56	4985m	20.58	ppb		
15) 1,1-dichloroethene	3.081	96	8517	4.79	ppb		80
17) Methyl Acetate	3.372	43	12691	5.64	ppb	#	93
18) methylene chloride	3.535	84	8589	4.76	ppb		95
19) methyl tert butyl ether	3.656	73	22128	4.76	ppb		97
20) acrylonitrile	3.632	53	4441	4.94	ppb		90
21) allyl chloride	3.427	41	15673	4.83	ppb		92
22) trans-1,2-dichloroethene	3.802	96	8059	4.72	ppb		81
23) iodomethane	3.379	142	13716	4.88	ppb		93
24) carbon disulfide	3.607	76	24581	4.61	ppb		97
25) propionitrile	4.717	54	1794m	5.71	ppb		
26) vinyl acetate	4.203	43	23671	5.18	ppb		98
27) chloroprene	4.302	53	14979	4.78	ppb		82
28) di-isopropyl ether	4.089	45	35776	4.80	ppb		93
29) methacrylonitrile	4.926	41	8970m	5.12	ppb		
30) 2-butanone	4.633	72	1327	5.63	ppb	#	63
31) Ethyl Acetate	4.804	43	6005	5.31	ug/L	#	65
32) Hexane	3.841	41	11058	5.00	ppb		89
33) 1,1-dichloroethane	4.220	63	16799	4.65	ppb		88
34) tert-butyl ethyl ether	4.499	59	28310	4.81	ppb		93
35) isobutyl alcohol	4.951	43	3416m	33.41	ppb		
36) 2,2-dichloropropane	4.780	77	5294	5.36	ppb		80
37) cis-1,2-dichloroethene	4.830	96	8595	4.70	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132610.D
Acq On : 25 Oct 2013 1:42 pm
Operator : jaimem
Sample : ic5138-5
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 28 07:40:07 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:37:14 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	5.171	128	3989	5.04	ppb	#	82
39) chloroform	4.996	83	14290	4.74	ppb		87
41) Tetrahydrofuran	5.217	42	3595	5.37	ppb		85
42) 1,1,1-trichloroethane	5.431	97	10549	4.59	ppb		86
44) Cyclohexane	5.445	56	18382	4.92	ppb		96
45) carbon tetrachloride	5.710	117	10910m	4.77	ppb		
46) 1,1-dichloropropene	5.589	75	11201	4.84	ppb		95
47) benzene	5.891	78	33077	4.69	ppb		94
48) 1,2-dichloroethane	5.871	62	12475	4.83	ppb		90
49) tert-amyl methyl ether	5.714	73	21548	4.88	ppb		97
50) heptane	5.742	43	23169	4.45	ppb		89
51) trichloroethene	6.559	95	8891	4.91	ppb		95
52) 1,2-dichloropropane	6.757	63	9798	4.68	ppb		92
53) dibromomethane	7.074	93	5398	5.29	ppb		80
54) bromodichloromethane	7.015	83	10282	4.46	ppb		90
55) Methylcyclohexane	6.629	83	12999	4.75	ppb	#	83
56) 2-chloroethyl vinyl ether	7.347	63	2534	5.47	ppb	#	47
57) methyl methacrylate	6.815	69	5685	5.02	ppb	#	79
58) 1,4-dioxane	7.050	88	534m	25.73	ppb		
59) cis-1,3-dichloropropene	7.609	75	13674	4.76	ppb		85
61) 4-methyl-2-pentanone	7.377	43	12768	5.04	ppb		90
62) toluene	7.964	92	19865	4.81	ppb		92
63) trans-1,3-dichloropropene	8.161	75	11919	4.91	ppb		100
64) 1,1,2-trichloroethane	8.335	83	6619	4.90	ppb		87
65) ethyl methacrylate	8.149	69	10966	5.22	ppb		79
67) tetrachloroethene	8.678	166	8890	4.89	ppb		86
68) 1,3-dichloropropane	8.611	76	12551	5.27	ppb		91
69) dibromochloromethane	8.904	129	8028	4.80	ppb		96
70) 1,2-dibromoethane	9.123	107	7366	4.48	ppb		94
71) 2-hexanone	8.345	43	11157	5.73	ppb		100
72) chlorobenzene	9.581	112	24646	4.95	ppb		99
73) 1,1,1,2-tetrachloroethane	9.626	131	8117	5.13	ppb		98
74) ethylbenzene	9.635	91	40169	4.75	ppb		93
75) m,p-xylene	9.719	106	31219	9.74	ppb		93
76) o-xylene	10.198	106	15759	4.92	ppb	#	79
77) styrene	10.238	104	25266	5.15	ppb		87
78) bromoform	10.610	173	5195	4.88	ppb		99
79) trans-1,4-dichloro-2-b...	10.644	53	4264	5.19	ppb		86
81) isopropylbenzene	10.590	105	40840	5.13	ppb		94
83) bromobenzene	11.081	156	9835	5.24	ppb	#	81
84) 1,1,2,2-tetrachloroethane	10.782	83	10831	5.45	ppb		95
85) 1,2,3-trichloropropane	10.942	75	8075	5.36	ppb		88
86) n-propylbenzene	11.029	91	47612	5.12	ppb		92
87) 2-chlorotoluene	11.224	91	34251	5.37	ppb		100
88) 4-chlorotoluene	11.278	91	31015	5.42	ppb		85
89) 1,3,5-trimethylbenzene	11.202	105	33479	5.13	ppb		98
90) tert-butylbenzene	11.598	91	22831	5.07	ppb	#	76
91) 1,2,4-trimethylbenzene	11.633	105	33018	5.07	ppb		93
92) sec-butylbenzene	11.825	105	41200	5.07	ppb		98
93) 1,3-dichlorobenzene	12.081	146	20014	5.13	ppb		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132610.D
Acq On : 25 Oct 2013 1:42 pm
Operator : jaimem
Sample : ic5138-5
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 28 07:40:07 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:37:14 2013
Response via : Initial Calibration

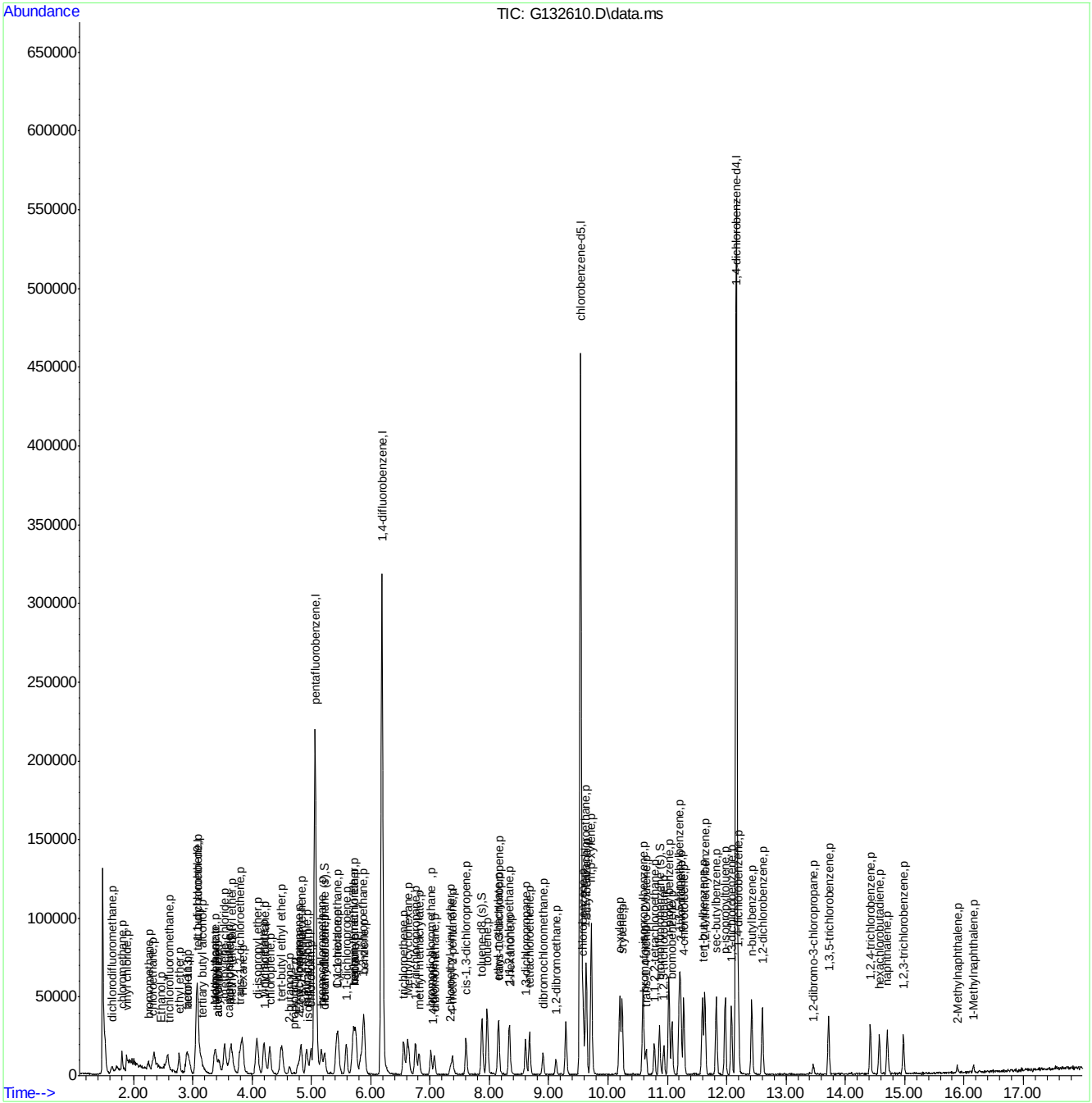
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) p-isopropyltoluene	11.975	119	33464	5.09	ppb	95
95) 1,4-dichlorobenzene	12.197	146	19205	4.90	ppb	95
96) 1,2-dichlorobenzene	12.603	146	18253	4.94	ppb	92
97) n-butylbenzene	12.424	91	30568	5.01	ppb	94
98) 1,2-dibromo-3-chloropr...	13.463	75	1654m	5.15	ppb	
99) 1,3,5-trichlorobenzene	13.720	180	12209	5.43	ug/L	100
100) 1,2,4-trichlorobenzene	14.423	180	10116	5.28	ppb	94
101) hexachlorobutadiene	14.574	225	5201	5.33	ppb	96
102) naphthalene	14.710	128	23566	5.23	ppb	100
103) 2-Methylnaphthalene	15.894	142	2709m	2.27	ug/L	
104) 1-Methylnaphthalene	16.158	142	2367m	2.60	ug/L	
105) 1,2,3-trichlorobenzene	14.980	180	7901	5.25	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132610.D
Acq On : 25 Oct 2013 1:42 pm
Operator : jaimem
Sample : ic5138-5
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 28 07:40:07 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:37:14 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
10/28/13 09:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132611.D
Acq On : 25 Oct 2013 2:10 pm
Operator : jaimem
Sample : ic5138-10
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 28 07:41:47 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:40:21 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.084	65	89406	500.00	ppb		0.00
4) pentafluorobenzene	5.068	168	202383	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.193	114	314116	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	158000	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	152251	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.226	113	13527	9.67	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 19.34%#				
60) toluene-d8 (s)	7.877	98	54990	9.91	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 19.82%#				
82) bromofluorobenzene (s)	10.868	95	22489	10.15	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 20.30%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.159	59	19487	113.71	ppb		88
3) Ethanol	2.462	45	26685m	993.52	ppb		
5) dichlorodifluoromethane	1.645	85	15273m	9.49	ppb		
6) chloromethane	1.811	50	22242	10.57	ppb		94
7) vinyl chloride	1.897	62	9285	9.52	ppb		86
8) bromomethane	2.258	96	7191	9.71	ppb		76
9) chloroethane	2.328	64	7902	10.87	ppb		93
10) ethyl ether	2.775	59	14565	9.54	ppb		99
11) acetonitrile	3.432	41	28733	9.16	ppb		92
12) trichlorofluoromethane	2.615	101	23403m	9.96	ppb		
13) freon-113	2.917	101	17076	9.99	ppb		80
14) acrolein	2.903	56	11344	52.02	ppb		92
15) 1,1-dichloroethene	3.081	96	16101	9.29	ppb	#	80
16) acetone	2.959	58	3273	11.68	ppb	#	69
17) Methyl Acetate	3.369	43	23833	10.08	ppb	#	86
18) methylene chloride	3.538	84	17132	9.77	ppb		83
19) methyl tert butyl ether	3.658	73	44368	9.83	ppb		96
20) acrylonitrile	3.633	53	8997m	10.20	ppb		
21) allyl chloride	3.432	41	28733	9.12	ppb		97
22) trans-1,2-dichloroethene	3.805	96	16149	9.77	ppb		94
23) iodomethane	3.382	142	27826	10.15	ppb		88
24) carbon disulfide	3.609	76	50100	9.90	ppb		76
25) propionitrile	4.715	54	3481	10.48	ppb		100
26) vinyl acetate	4.203	43	44621	9.71	ppb		95
27) chloroprene	4.303	53	28981	9.57	ppb		95
28) di-isopropyl ether	4.089	45	70940	9.77	ppb		95
29) methacrylonitrile	4.925	41	17149	9.80	ppb		92
30) 2-butanone	4.634	72	2507	10.13	ppb	#	1
31) Ethyl Acetate	4.805	43	12357	10.73	ug/L	#	98
32) Hexane	3.844	41	20919	9.58	ppb	#	97
33) 1,1-dichloroethane	4.222	63	34212	9.82	ppb		98
34) tert-butyl ethyl ether	4.500	59	56406	9.82	ppb		95
35) isobutyl alcohol	4.950	43	6087	51.60	ppb		100
36) 2,2-dichloropropane	4.779	77	9752	9.65	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132611.D
Acq On : 25 Oct 2013 2:10 pm
Operator : jaimem
Sample : ic5138-10
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 28 07:41:47 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:40:21 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.830	96	16628	9.39	ppb		98
38) bromochloromethane	5.172	128	7935	10.11	ppb	#	52
39) chloroform	4.996	83	28098	9.61	ppb		94
41) Tetrahydrofuran	5.215	42	6881	10.04	ppb		95
42) 1,1,1-trichloroethane	5.435	97	21525	9.76	ppb		88
44) Cyclohexane	5.445	56	34080	9.51	ppb		92
45) carbon tetrachloride	5.710	117	21769	10.00	ppb		95
46) 1,1-dichloropropene	5.589	75	21776	9.90	ppb		96
47) benzene	5.890	78	64102	9.55	ppb		98
48) 1,2-dichloroethane	5.871	62	24668	9.99	ppb		93
49) tert-amyl methyl ether	5.715	73	43925	10.41	ppb		92
50) heptane	5.736	43	46254	9.73	ppb		96
51) trichloroethene	6.559	95	17139	9.84	ppb		81
52) 1,2-dichloropropane	6.757	63	19423	9.80	ppb		93
53) dibromomethane	7.074	93	10681	10.52	ppb		99
54) bromodichloromethane	7.016	83	21288	9.91	ppb		100
55) Methylcyclohexane	6.630	83	25360	9.83	ppb		90
56) 2-chloroethyl vinyl ether	7.347	63	4652	9.92	ppb		94
57) methyl methacrylate	6.815	69	11758	10.72	ppb		97
58) 1,4-dioxane	7.059	88	1070m	52.58	ppb		
59) cis-1,3-dichloropropene	7.609	75	27906	10.21	ppb		97
61) 4-methyl-2-pentanone	7.377	43	27405	11.15	ppb		90
62) toluene	7.964	92	42024	10.74	ppb		98
63) trans-1,3-dichloropropene	8.161	75	24325	10.43	ppb		99
64) 1,1,2-trichloroethane	8.335	83	13255	10.22	ppb		93
65) ethyl methacrylate	8.149	69	22157	10.67	ppb		94
67) tetrachloroethene	8.678	166	16942	9.69	ppb		84
68) 1,3-dichloropropane	8.611	76	25044	10.59	ppb		98
69) dibromochloromethane	8.903	129	16781	10.51	ppb		97
70) 1,2-dibromoethane	9.124	107	16180	10.54	ppb		96
71) 2-hexanone	8.345	43	22961	11.36	ppb		100
72) chlorobenzene	9.580	112	49580	10.32	ppb		98
73) 1,1,1,2-tetrachloroethane	9.627	131	17016	10.97	ppb		96
74) ethylbenzene	9.635	91	81178	10.08	ppb		92
75) m,p-xylene	9.719	106	62314	20.27	ppb		88
76) o-xylene	10.198	106	31316	10.16	ppb		81
77) styrene	10.237	104	51621	10.72	ppb		90
78) bromoform	10.611	173	10772	10.54	ppb		80
79) trans-1,4-dichloro-2-b...	10.644	53	8773	10.83	ppb		79
81) isopropylbenzene	10.590	105	80209	10.02	ppb		99
83) bromobenzene	11.080	156	20346	10.66	ppb		86
84) 1,1,2,2-tetrachloroethane	10.782	83	21309	10.48	ppb		91
85) 1,2,3-trichloropropane	10.942	75	17192	11.10	ppb		100
86) n-propylbenzene	11.029	91	94174	10.07	ppb		94
87) 2-chlorotoluene	11.223	91	68152	10.38	ppb		87
88) 4-chlorotoluene	11.277	91	59958	10.13	ppb		78
89) 1,3,5-trimethylbenzene	11.203	105	66640	10.15	ppb		92
90) tert-butylbenzene	11.598	91	45986	10.21	ppb		86
91) 1,2,4-trimethylbenzene	11.633	105	67011	10.30	ppb		94
92) sec-butylbenzene	11.825	105	81577	10.04	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132611.D
Acq On : 25 Oct 2013 2:10 pm
Operator : jaimem
Sample : ic5138-10
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 28 07:41:47 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:40:21 2013
Response via : Initial Calibration

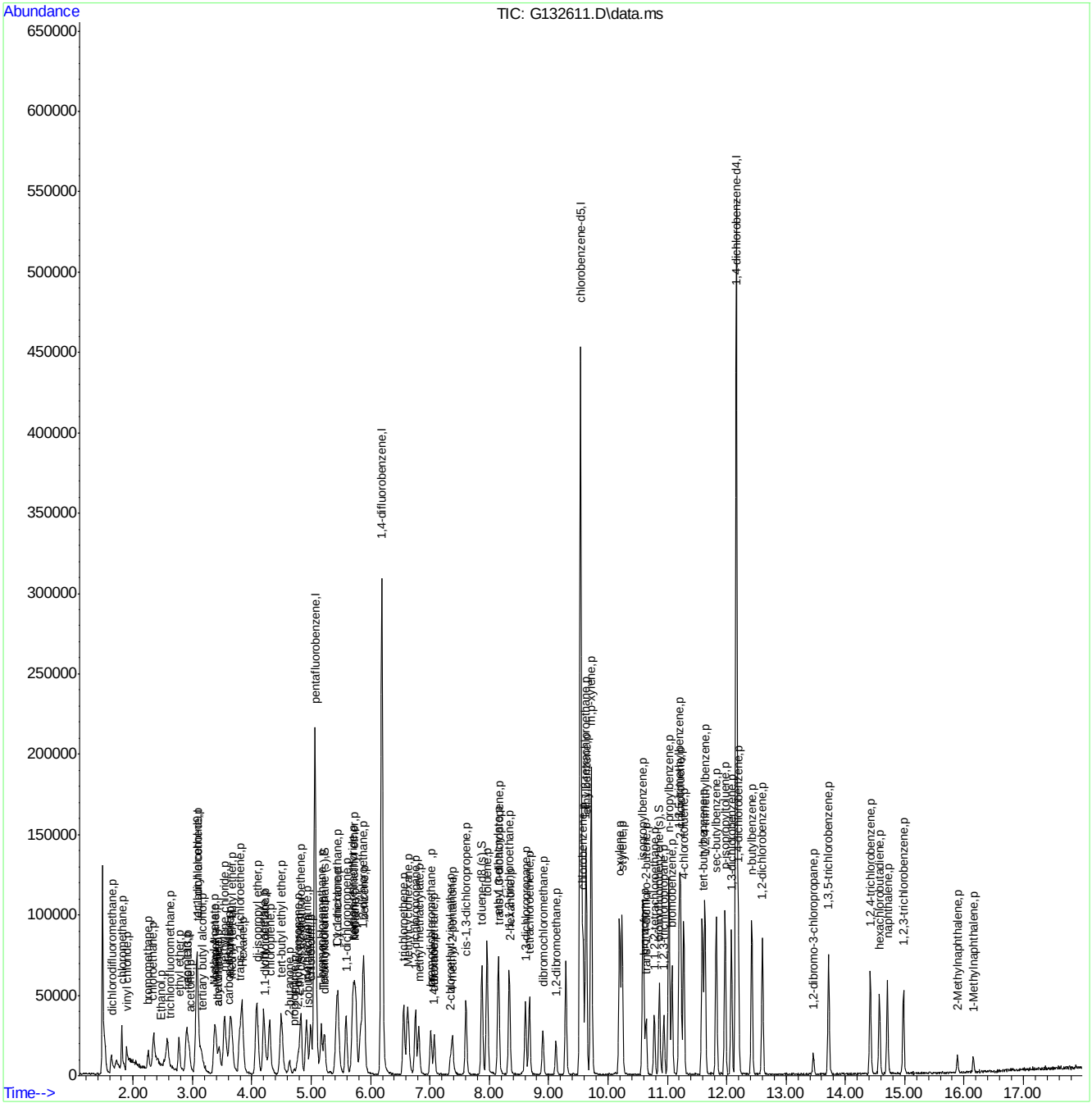
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	39613	10.13	ppb		97
94)	p-isopropyltoluene	11.975	119	65957	10.01	ppb		94
95)	1,4-dichlorobenzene	12.197	146	39910	10.32	ppb		98
96)	1,2-dichlorobenzene	12.603	146	38462	10.53	ppb		94
97)	n-butylbenzene	12.423	91	61544	10.15	ppb		91
98)	1,2-dibromo-3-chloropr...	13.461	75	3700	11.43	ppb	#	55
99)	1,3,5-trichlorobenzene	13.718	180	24902	10.70	ug/L		100
100)	1,2,4-trichlorobenzene	14.422	180	21007	10.74	ppb		91
101)	hexachlorobutadiene	14.574	225	10735	10.73	ppb		97
102)	naphthalene	14.709	128	49068	10.72	ppb		100
103)	2-Methylnaphthalene	15.889	142	5831	5.16	ug/L		99
104)	1-Methylnaphthalene	16.157	142	4825	5.23	ug/L		96
105)	1,2,3-trichlorobenzene	14.979	180	17091	11.16	ppb		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132611.D
Acq On : 25 Oct 2013 2:10 pm
Operator : jaimem
Sample : ic5138-10
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 28 07:41:47 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:40:21 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
10/28/13 09:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132612.D
Acq On : 25 Oct 2013 2:39 pm
Operator : jaimem
Sample : ic5138-25
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 28 07:43:46 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:42:26 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.086	65	94020	500.00	ppb		0.00
4) pentafluorobenzene	5.068	168	207580	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.192	114	323860	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	162611	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.163	152	151421	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.226	113	35135	24.77	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 49.54%#				
60) toluene-d8 (s)	7.877	98	144615	25.36	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 50.72%#				
82) bromofluorobenzene (s)	10.867	95	57294	25.87	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 51.74%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.163	59	41828m	221.96	ppb		
3) Ethanol	2.466	45	56148	1991.10	ppb		98
5) dichlorodifluoromethane	1.645	85	37216m	22.84	ppb		
6) chloromethane	1.813	50	55423	25.21	ppb		95
7) vinyl chloride	1.906	62	21633	21.88	ppb		85
8) bromomethane	2.259	96	16845	22.34	ppb		90
9) chloroethane	2.328	64	18822	24.53	ppb		90
10) ethyl ether	2.777	59	34797	22.57	ppb		95
11) acetonitrile	3.433	41	68291	21.84	ppb		88
12) trichlorofluoromethane	2.614	101	58363	24.25	ppb		91
13) freon-113	2.918	101	40842m	23.30	ppb		
14) acrolein	2.909	56	29019	128.02	ppb		99
15) 1,1-dichloroethene	3.083	96	36948	21.17	ppb	#	78
16) acetone	2.958	58	7414	23.79	ppb	#	68
17) Methyl Acetate	3.368	43	52913	21.76	ppb	#	92
18) methylene chloride	3.537	84	37568	21.00	ppb		90
19) methyl tert butyl ether	3.657	73	101862	22.09	ppb		93
20) acrylonitrile	3.631	53	20477	22.48	ppb		99
21) allyl chloride	3.433	41	68291	21.77	ppb		97
22) trans-1,2-dichloroethene	3.803	96	36030	21.37	ppb		95
23) iodomethane	3.381	142	61573	21.79	ppb		90
24) carbon disulfide	3.610	76	114548	22.15	ppb		98
25) propionitrile	4.715	54	7596	21.94	ppb		100
26) vinyl acetate	4.203	43	105505	22.60	ppb		95
27) chloroprene	4.304	53	70454	23.01	ppb		93
28) di-isopropyl ether	4.090	45	160753	21.71	ppb		98
29) methacrylonitrile	4.926	41	40381	22.65	ppb		91
30) 2-butanone	4.633	72	5008	19.65	ppb		90
31) Ethyl Acetate	4.804	43	27230	22.51	ug/L	#	98
32) Hexane	3.842	41	49259	22.30	ppb		95
33) 1,1-dichloroethane	4.221	63	76658	21.55	ppb		95
34) tert-butyl ethyl ether	4.502	59	127808	21.80	ppb		95
35) isobutyl alcohol	4.952	43	12546	102.59	ppb		76
36) 2,2-dichloropropane	4.780	77	22433	21.90	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132612.D
Acq On : 25 Oct 2013 2:39 pm
Operator : jaimem
Sample : ic5138-25
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 28 07:43:46 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:42:26 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.830	96	38251	21.39	ppb		84
38) bromochloromethane	5.172	128	17970	22.24	ppb		91
39) chloroform	4.997	83	64788	21.81	ppb		98
41) Tetrahydrofuran	5.214	42	14853	21.10	ppb		90
42) 1,1,1-trichloroethane	5.435	97	50929	22.64	ppb		97
44) Cyclohexane	5.447	56	82154	22.61	ppb		95
45) carbon tetrachloride	5.710	117	52063	23.19	ppb		97
46) 1,1-dichloropropene	5.591	75	52431	23.19	ppb		95
47) benzene	5.891	78	146470	21.36	ppb		99
48) 1,2-dichloroethane	5.871	62	54962	21.60	ppb		100
49) tert-amyl methyl ether	5.722	73	101045	22.92	ppb		83
50) heptane	5.743	43	117009	24.09	ppb		96
51) trichloroethene	6.559	95	40010	22.35	ppb		87
52) 1,2-dichloropropane	6.757	63	43164	21.23	ppb		98
53) dibromomethane	7.074	93	23153	21.75	ppb		86
54) bromodichloromethane	7.015	83	47633	21.55	ppb		97
55) Methylcyclohexane	6.629	83	58427	22.10	ppb		98
56) 2-chloroethyl vinyl ether	7.346	63	10959	22.73	ppb		98
57) methyl methacrylate	6.815	69	25775	22.26	ppb		87
58) 1,4-dioxane	7.056	88	2505m	117.37	ppb		
59) cis-1,3-dichloropropene	7.609	75	62960	22.23	ppb		93
61) 4-methyl-2-pentanone	7.376	43	57853	21.98	ppb		91
62) toluene	7.964	92	93454	22.60	ppb		98
63) trans-1,3-dichloropropene	8.161	75	53808	22.14	ppb		97
64) 1,1,2-trichloroethane	8.335	83	27941	20.78	ppb		96
65) ethyl methacrylate	8.148	69	47414	21.67	ppb		91
67) tetrachloroethene	8.678	166	38390	21.47	ppb		95
68) 1,3-dichloropropane	8.612	76	56102	22.60	ppb		99
69) dibromochloromethane	8.904	129	35426	21.29	ppb		96
70) 1,2-dibromoethane	9.124	107	34873	21.78	ppb		94
71) 2-hexanone	8.343	43	46572	21.42	ppb		99
72) chlorobenzene	9.581	112	108332	21.74	ppb		94
73) 1,1,1,2-tetrachloroethane	9.626	131	37395	22.69	ppb		92
74) ethylbenzene	9.635	91	181855	21.90	ppb		96
75) m,p-xylene	9.719	106	141296	44.51	ppb		97
76) o-xylene	10.199	106	69714	21.89	ppb		87
77) styrene	10.237	104	114419	22.54	ppb		93
78) bromoform	10.611	173	24442	22.93	ppb		99
79) trans-1,4-dichloro-2-b...	10.645	53	19475	22.73	ppb		93
81) isopropylbenzene	10.590	105	181006	22.71	ppb		96
83) bromobenzene	11.081	156	43522	22.44	ppb		83
84) 1,1,2,2-tetrachloroethane	10.782	83	42786	20.91	ppb		97
85) 1,2,3-trichloropropane	10.942	75	33894	21.22	ppb		95
86) n-propylbenzene	11.029	91	213314	22.89	ppb		93
87) 2-chlorotoluene	11.224	91	147773	22.35	ppb		89
88) 4-chlorotoluene	11.277	91	129343	21.88	ppb		88
89) 1,3,5-trimethylbenzene	11.202	105	147444	22.47	ppb		98
90) tert-butylbenzene	11.597	91	100693	22.33	ppb	#	77
91) 1,2,4-trimethylbenzene	11.633	105	146467	22.41	ppb		94
92) sec-butylbenzene	11.825	105	182694	22.59	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132612.D
Acq On : 25 Oct 2013 2:39 pm
Operator : jaimem
Sample : ic5138-25
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 28 07:43:46 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:42:26 2013
Response via : Initial Calibration

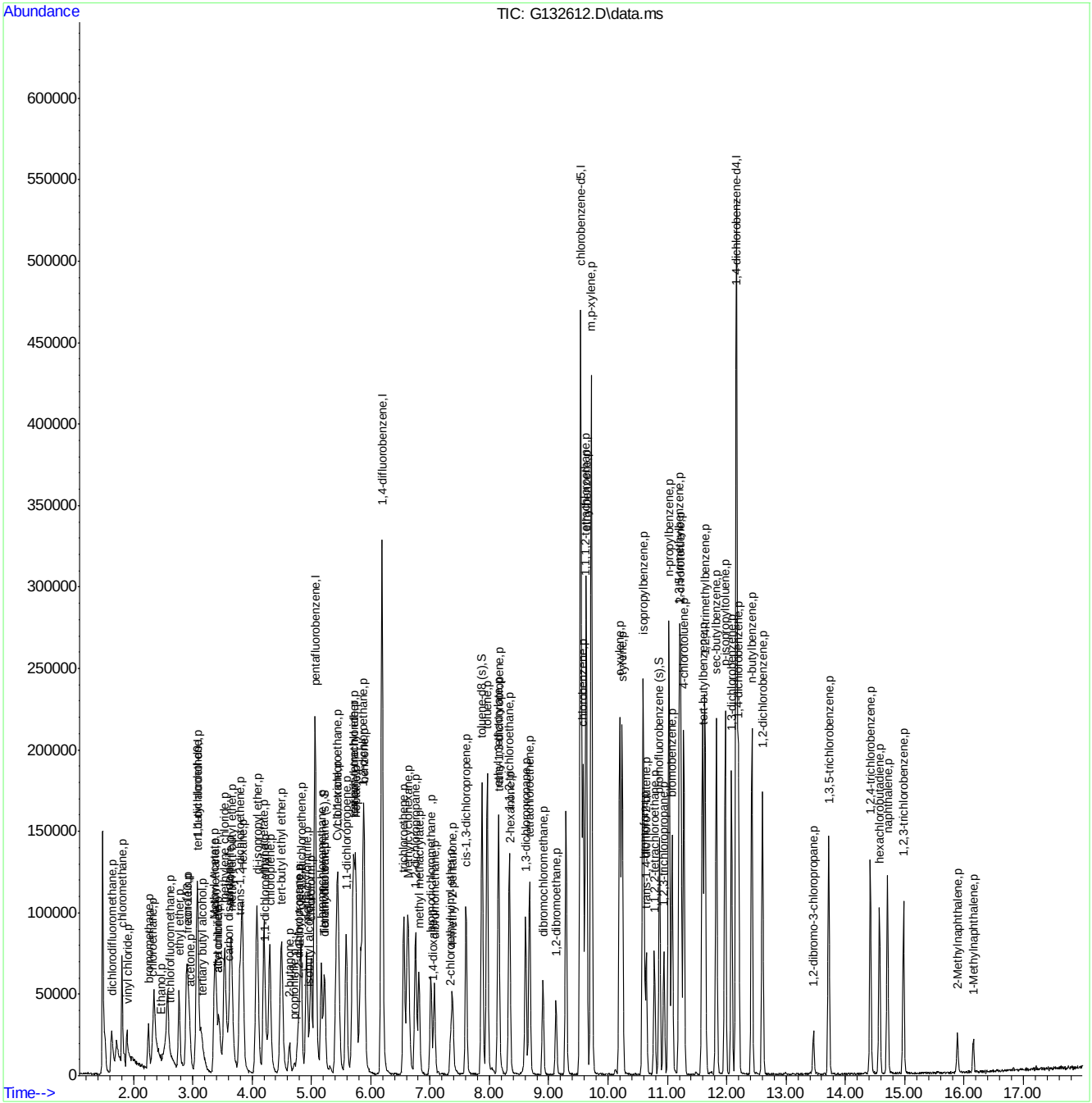
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.081	146	84083	21.56	ppb		94
94) p-isopropyltoluene	11.975	119	146979	22.42	ppb		94
95) 1,4-dichlorobenzene	12.198	146	82340	21.24	ppb		97
96) 1,2-dichlorobenzene	12.603	146	78980	21.46	ppb		93
97) n-butylbenzene	12.423	91	136279	22.48	ppb		93
98) 1,2-dibromo-3-chloropr...	13.461	75	7152	21.21	ppb	#	62
99) 1,3,5-trichlorobenzene	13.719	180	50195	21.19	ug/L		99
100) 1,2,4-trichlorobenzene	14.422	180	43345	21.75	ppb		92
101) hexachlorobutadiene	14.574	225	22405	21.98	ppb		91
102) naphthalene	14.709	128	102853	22.07	ppb		100
103) 2-Methylnaphthalene	15.890	142	13007	11.45	ug/L		94
104) 1-Methylnaphthalene	16.157	142	10142	10.89	ug/L		98
105) 1,2,3-trichlorobenzene	14.980	180	34286	21.68	ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132612.D
Acq On : 25 Oct 2013 2:39 pm
Operator : jaimem
Sample : ic5138-25
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 28 07:43:46 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:42:26 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
10/28/13 09:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132613.D
Acq On : 25 Oct 2013 3:08 pm
Operator : jaimem
Sample : icc5138-50
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 28 07:45:03 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:44:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.088	65	93896	500.00	ppb		0.00
4) pentafluorobenzene	5.067	168	196844	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.193	114	313652	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	160366	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.163	152	149294	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.227	113	67962	50.64	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.28%				
60) toluene-d8 (s)	7.877	98	274306	49.49	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.98%				
82) bromofluorobenzene (s)	10.867	95	108605	49.30	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.60%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.160	59	84411	461.45	ppb		95
3) Ethanol	2.469	45	117670	4355.61	ppb		97
5) dichlorodifluoromethane	1.645	85	75643m	49.82	ppb		
6) chloromethane	1.815	50	112491	53.84	ppb		97
7) vinyl chloride	1.916	62	46372	50.73	ppb		95
8) bromomethane	2.258	96	34673	49.55	ppb		86
9) chloroethane	2.330	64	38937	53.77	ppb		93
10) ethyl ether	2.782	59	73636	51.62	ppb		100
11) acetonitrile	3.439	41	154493	53.80	ppb		98
12) trichlorofluoromethane	2.618	101	119192m	52.54	ppb		
13) freon-113	2.921	101	92298m	56.48	ppb		
14) acrolein	2.912	56	58158	268.94	ppb		100
15) 1,1-dichloroethene	3.085	96	81241	50.63	ppb	#	78
16) acetone	2.958	58	13630	46.88	ppb		93
17) Methyl Acetate	3.367	43	108091	48.44	ppb	#	97
18) methylene chloride	3.540	84	81215	49.46	ppb		91
19) methyl tert butyl ether	3.662	73	213153	49.91	ppb		96
20) acrylonitrile	3.633	53	43144	51.24	ppb		93
21) allyl chloride	3.440	41	155883	54.16	ppb		92
22) trans-1,2-dichloroethene	3.806	96	79483	51.20	ppb		89
23) iodomethane	3.384	142	134913	52.01	ppb		88
24) carbon disulfide	3.616	76	255932	53.71	ppb		89
25) propionitrile	4.716	54	15082	47.39	ppb		100
26) vinyl acetate	4.203	43	219676	50.84	ppb		94
27) chloroprene	4.304	53	150654	52.94	ppb		96
28) di-isopropyl ether	4.091	45	341346	49.93	ppb		96
29) methacrylonitrile	4.926	41	84066	50.92	ppb		89
30) 2-butanone	4.634	72	11319	49.48	ppb	#	70
31) Ethyl Acetate	4.803	43	54307	48.55	ug/L	#	96
32) Hexane	3.843	41	106248	52.13	ppb	#	98
33) 1,1-dichloroethane	4.224	63	163295	49.79	ppb		92
34) tert-butyl ethyl ether	4.502	59	268679	49.59	ppb		99
35) isobutyl alcohol	4.949	43	24556	221.69	ppb		92
36) 2,2-dichloropropane	4.781	77	47418	50.38	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132613.D
Acq On : 25 Oct 2013 3:08 pm
Operator : jaimem
Sample : icc5138-50
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 28 07:45:03 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:44:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.831	96	81165	49.28	ppb		94
38) bromochloromethane	5.172	128	38049	51.06	ppb	#	85
39) chloroform	4.998	83	138390	50.42	ppb		98
41) Tetrahydrofuran	5.214	42	32150	50.11	ppb		98
42) 1,1,1-trichloroethane	5.438	97	110013	52.57	ppb		94
44) Cyclohexane	5.448	56	180378	52.51	ppb		94
45) carbon tetrachloride	5.711	117	111809	52.18	ppb		98
46) 1,1-dichloropropene	5.592	75	111634	51.92	ppb		91
47) benzene	5.892	78	306862	47.35	ppb		99
48) 1,2-dichloroethane	5.872	62	115096	48.01	ppb		98
49) tert-amyl methyl ether	5.723	73	213265	51.01	ppb		81
50) heptane	5.745	43	251155	53.88	ppb		97
51) trichloroethene	6.560	95	84506	49.62	ppb		88
52) 1,2-dichloropropane	6.757	63	91634	47.99	ppb		100
53) dibromomethane	7.075	93	49243	49.36	ppb	#	81
54) bromodichloromethane	7.016	83	100787	48.43	ppb		97
55) Methylcyclohexane	6.632	83	132063	53.11	ppb		99
56) 2-chloroethyl vinyl ether	7.346	63	22373	49.02	ppb		98
57) methyl methacrylate	6.815	69	54616	50.08	ppb		94
58) 1,4-dioxane	7.056	88	5007	245.99	ppb		99
59) cis-1,3-dichloropropene	7.609	75	133438	49.74	ppb		93
61) 4-methyl-2-pentanone	7.377	43	122292	49.47	ppb		92
62) toluene	7.965	92	199106	50.95	ppb		97
63) trans-1,3-dichloropropene	8.161	75	116028	50.44	ppb		97
64) 1,1,2-trichloroethane	8.335	83	58543	46.53	ppb		92
65) ethyl methacrylate	8.148	69	101451	49.52	ppb		93
67) tetrachloroethene	8.678	166	82357	47.83	ppb		95
68) 1,3-dichloropropane	8.611	76	116899	48.92	ppb		100
69) dibromochloromethane	8.904	129	78820	49.50	ppb		95
70) 1,2-dibromoethane	9.124	107	73721	47.92	ppb		97
71) 2-hexanone	8.343	43	95553	46.22	ppb		99
72) chlorobenzene	9.581	112	228482	47.74	ppb		91
73) 1,1,1,2-tetrachloroethane	9.626	131	77738	48.96	ppb		97
74) ethylbenzene	9.635	91	384758	48.19	ppb		94
75) m,p-xylene	9.719	106	294291	96.11	ppb		89
76) o-xylene	10.199	106	147148	48.05	ppb		87
77) styrene	10.237	104	240772	49.31	ppb		90
78) bromoform	10.611	173	51510	49.83	ppb		97
79) trans-1,4-dichloro-2-b...	10.644	53	40350	48.86	ppb		97
81) isopropylbenzene	10.590	105	387667	50.50	ppb		96
83) bromobenzene	11.081	156	91385	49.04	ppb	#	77
84) 1,1,2,2-tetrachloroethane	10.782	83	89958	46.10	ppb		93
85) 1,2,3-trichloropropane	10.942	75	73284	48.37	ppb		97
86) n-propylbenzene	11.029	91	453043	50.37	ppb		94
87) 2-chlorotoluene	11.224	91	310442	48.91	ppb		92
88) 4-chlorotoluene	11.277	91	278464	49.31	ppb		88
89) 1,3,5-trimethylbenzene	11.203	105	317674	50.38	ppb		96
90) tert-butylbenzene	11.598	91	219300	50.67	ppb		83
91) 1,2,4-trimethylbenzene	11.633	105	316709	50.45	ppb		96
92) sec-butylbenzene	11.825	105	395249	50.78	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132613.D
Acq On : 25 Oct 2013 3:08 pm
Operator : jaimem
Sample : icc5138-50
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 28 07:45:03 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:44:23 2013
Response via : Initial Calibration

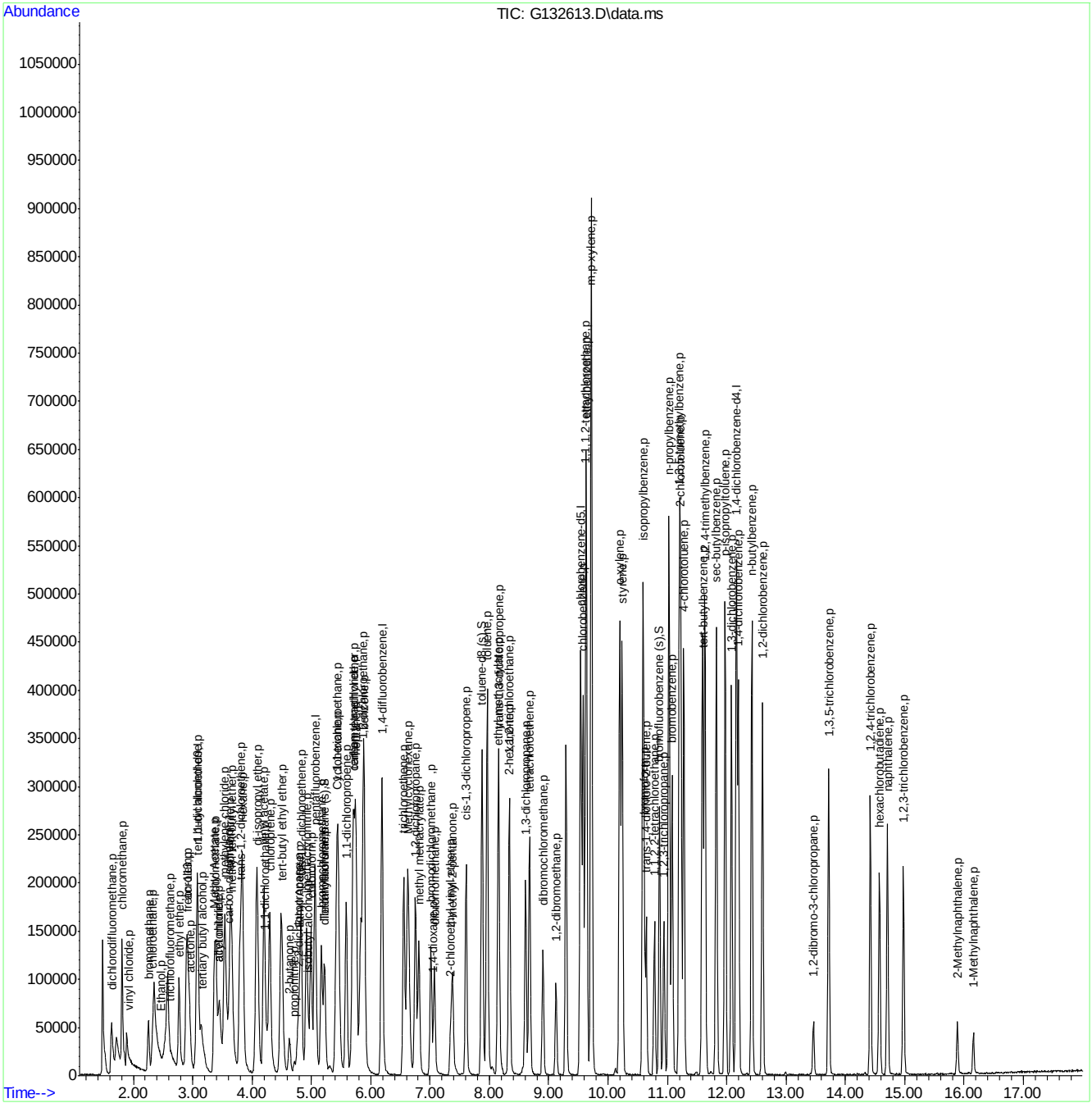
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	12.081	146	181746	48.60	ppb	94
94) p-isopropyltoluene	11.975	119	320231	50.86	ppb	95
95) 1,4-dichlorobenzene	12.198	146	175963	47.47	ppb	95
96) 1,2-dichlorobenzene	12.603	146	170890	48.46	ppb	98
97) n-butylbenzene	12.423	91	297026	50.99	ppb	93
98) 1,2-dibromo-3-chloropr...	13.461	75	15637	48.88	ppb	76
99) 1,3,5-trichlorobenzene	13.719	180	109435	48.71	ug/L	99
100) 1,2,4-trichlorobenzene	14.422	180	93277	49.06	ppb	100
101) hexachlorobutadiene	14.575	225	47469	48.71	ppb	92
102) naphthalene	14.709	128	219352	49.17	ppb	100
103) 2-Methylnaphthalene	15.890	142	29040	26.48	ug/L	99
104) 1-Methylnaphthalene	16.157	142	22186	24.96	ug/L	96
105) 1,2,3-trichlorobenzene	14.980	180	73205	48.56	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132613.D
Acq On : 25 Oct 2013 3:08 pm
Operator : jaimem
Sample : icc5138-50
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 28 07:45:03 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:44:23 2013
Response via : Initial Calibration



G132614.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski
10/28/13 09:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132614.D
Acq On : 25 Oct 2013 3:37 pm
Operator : jaimem
Sample : ic5138-100
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 28 08:08:34 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:45:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.088	65	91043	500.00	ppb		0.00
4) pentafluorobenzene	5.068	168	200719	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.192	114	320952	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	164730	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.163	152	152611	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.228	113	137943	100.79	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 201.58%#				
60) toluene-d8 (s)	7.878	98	545919	96.26	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 192.52%#				
82) bromofluorobenzene (s)	10.868	95	221420	98.33	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 196.66%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.160	59	157132	884.08	ppb		96
3) Ethanol	2.464	45	217879	8317.62	ppb		96
5) dichlorodifluoromethane	1.647	85	149591m	95.69	ppb		
6) chloromethane	1.817	50	217023	101.87	ppb		98
7) vinyl chloride	1.916	62	80609	86.49	ppb		99
8) bromomethane	2.260	96	67407	94.46	ppb		97
9) chloroethane	2.330	64	74761	101.24	ppb		80
10) ethyl ether	2.783	59	144610	99.43	ppb		99
11) acetonitrile	3.437	41	278442	95.10	ppb		96
12) trichlorofluoromethane	2.621	101	222067	96.51	ppb		93
13) freon-113	2.923	101	164506	96.77	ppb		93
14) acrolein	2.909	56	108933	494.02	ppb		98
15) 1,1-dichloroethene	3.088	96	156207	95.47	ppb	#	79
16) acetone	2.959	58	28462	96.01	ppb		94
17) Methyl Acetate	3.367	43	212822	93.54	ppb	#	93
18) methylene chloride	3.538	84	154268	92.14	ppb		92
19) methyl tert butyl ether	3.660	73	419350	96.30	ppb		99
20) acrylonitrile	3.633	53	84086	97.94	ppb		95
21) allyl chloride	3.438	41	305666m	104.14	ppb		
22) trans-1,2-dichloroethene	3.808	96	150198	94.88	ppb		92
23) iodomethane	3.383	142	260093	98.34	ppb		89
24) carbon disulfide	3.614	76	479235	98.64	ppb		100
25) propionitrile	4.716	54	30375	93.60	ppb		100
26) vinyl acetate	4.205	43	436836	99.15	ppb		96
27) chloroprene	4.308	53	291293	100.39	ppb		96
28) di-isopropyl ether	4.092	45	667338	95.72	ppb		96
29) methacrylonitrile	4.926	41	159373	94.66	ppb		90
30) 2-butanone	4.634	72	20978	89.93	ppb	#	83
31) Ethyl Acetate	4.803	43	106813	93.64	ug/L	#	98
32) Hexane	3.843	41	192484	92.62	ppb		96
33) 1,1-dichloroethane	4.226	63	312251	93.36	ppb		95
34) tert-butyl ethyl ether	4.503	59	532457	96.39	ppb		98
35) isobutyl alcohol	4.950	43	46100	408.16	ppb		99
36) 2,2-dichloropropane	4.781	77	89976	93.75	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132614.D
Acq On : 25 Oct 2013 3:37 pm
Operator : jaimem
Sample : ic5138-100
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 28 08:08:34 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:45:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.832	96	158346	94.28	ppb		94
38) bromochloromethane	5.173	128	74327	97.82	ppb	#	83
39) chloroform	4.997	83	261758	93.52	ppb		100
41) Tetrahydrofuran	5.212	42	59196	90.48	ppb		99
42) 1,1,1-trichloroethane	5.437	97	214897	100.71	ppb		95
44) Cyclohexane	5.447	56	340845	96.96	ppb		94
45) carbon tetrachloride	5.711	117	219869	100.28	ppb		99
46) 1,1-dichloropropene	5.592	75	211702	96.22	ppb		94
47) benzene	5.892	78	592384	89.32	ppb		97
48) 1,2-dichloroethane	5.873	62	228985	93.35	ppb		96
49) tert-amyl methyl ether	5.721	73	422192	98.68	ppb		89
50) heptane	5.744	43	479486	100.52	ppb		99
51) trichloroethene	6.560	95	163876	94.04	ppb		92
52) 1,2-dichloropropane	6.757	63	181095	92.68	ppb		100
53) dibromomethane	7.076	93	96610	94.64	ppb		92
54) bromodichloromethane	7.016	83	201786	94.75	ppb		99
55) Methylcyclohexane	6.633	83	250265	98.36	ppb		99
56) 2-chloroethyl vinyl ether	7.347	63	45524	97.48	ppb		99
57) methyl methacrylate	6.815	69	107338	96.19	ppb		97
58) 1,4-dioxane	7.057	88	9966m	478.48	ppb		
59) cis-1,3-dichloropropene	7.609	75	264708	96.43	ppb		94
61) 4-methyl-2-pentanone	7.376	43	242746	95.97	ppb		92
62) toluene	7.965	92	382238	95.58	ppb		97
63) trans-1,3-dichloropropene	8.161	75	232020	98.57	ppb		96
64) 1,1,2-trichloroethane	8.335	83	113308	88.01	ppb		92
65) ethyl methacrylate	8.148	69	198583	94.73	ppb		94
67) tetrachloroethene	8.678	166	159743	90.32	ppb		98
68) 1,3-dichloropropane	8.611	76	228636	93.15	ppb		97
69) dibromochloromethane	8.904	129	158085	96.65	ppb		100
70) 1,2-dibromoethane	9.124	107	146842	92.93	ppb		97
71) 2-hexanone	8.341	43	193022	90.89	ppb		99
72) chlorobenzene	9.581	112	446670	90.86	ppb		90
73) 1,1,1,2-tetrachloroethane	9.627	131	154433	94.69	ppb		98
74) ethylbenzene	9.636	91	748347	91.24	ppb		97
75) m,p-xylene	9.720	106	579990	184.39	ppb		92
76) o-xylene	10.199	106	289155	91.93	ppb		86
77) styrene	10.237	104	472738	94.26	ppb		91
78) bromoform	10.611	173	105070	98.95	ppb		97
79) trans-1,4-dichloro-2-b...	10.644	53	80567	94.98	ppb		94
81) isopropylbenzene	10.590	105	746532	95.13	ppb		96
83) bromobenzene	11.081	156	179532	94.24	ppb	#	81
84) 1,1,2,2-tetrachloroethane	10.782	83	176748	88.60	ppb		96
85) 1,2,3-trichloropropane	10.942	75	143528	92.67	ppb		95
86) n-propylbenzene	11.029	91	887800	96.56	ppb		90
87) 2-chlorotoluene	11.225	91	615939	94.93	ppb		90
88) 4-chlorotoluene	11.278	91	533764	92.46	ppb		87
89) 1,3,5-trimethylbenzene	11.203	105	622309	96.55	ppb		96
90) tert-butylbenzene	11.598	91	423729	95.78	ppb		80
91) 1,2,4-trimethylbenzene	11.634	105	617024	96.15	ppb		93
92) sec-butylbenzene	11.826	105	763853	96.01	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132614.D
Acq On : 25 Oct 2013 3:37 pm
Operator : jaimem
Sample : ic5138-100
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 28 08:08:34 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:45:56 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.081	146	350701	91.73	ppb		94
94) p-isopropyltoluene	11.975	119	618275	96.06	ppb		95
95) 1,4-dichlorobenzene	12.198	146	342051	90.26	ppb		97
96) 1,2-dichlorobenzene	12.603	146	334338	92.75	ppb		97
97) n-butylbenzene	12.423	91	580275	97.44	ppb		94
98) 1,2-dibromo-3-chloropr...	13.461	75	32017	97.90	ppb	#	61
99) 1,3,5-trichlorobenzene	13.719	180	217870	94.86	ug/L		99
100) 1,2,4-trichlorobenzene	14.422	180	182782	94.05	ppb		98
101) hexachlorobutadiene	14.575	225	94409	94.77	ppb		99
102) naphthalene	14.709	128	423082	92.78	ppb		100
103) 2-Methylnaphthalene	15.890	142	54282	48.43	ug/L		97
104) 1-Methylnaphthalene	16.158	142	39329	43.28	ug/L		96
105) 1,2,3-trichlorobenzene	14.979	180	139012	90.20	ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

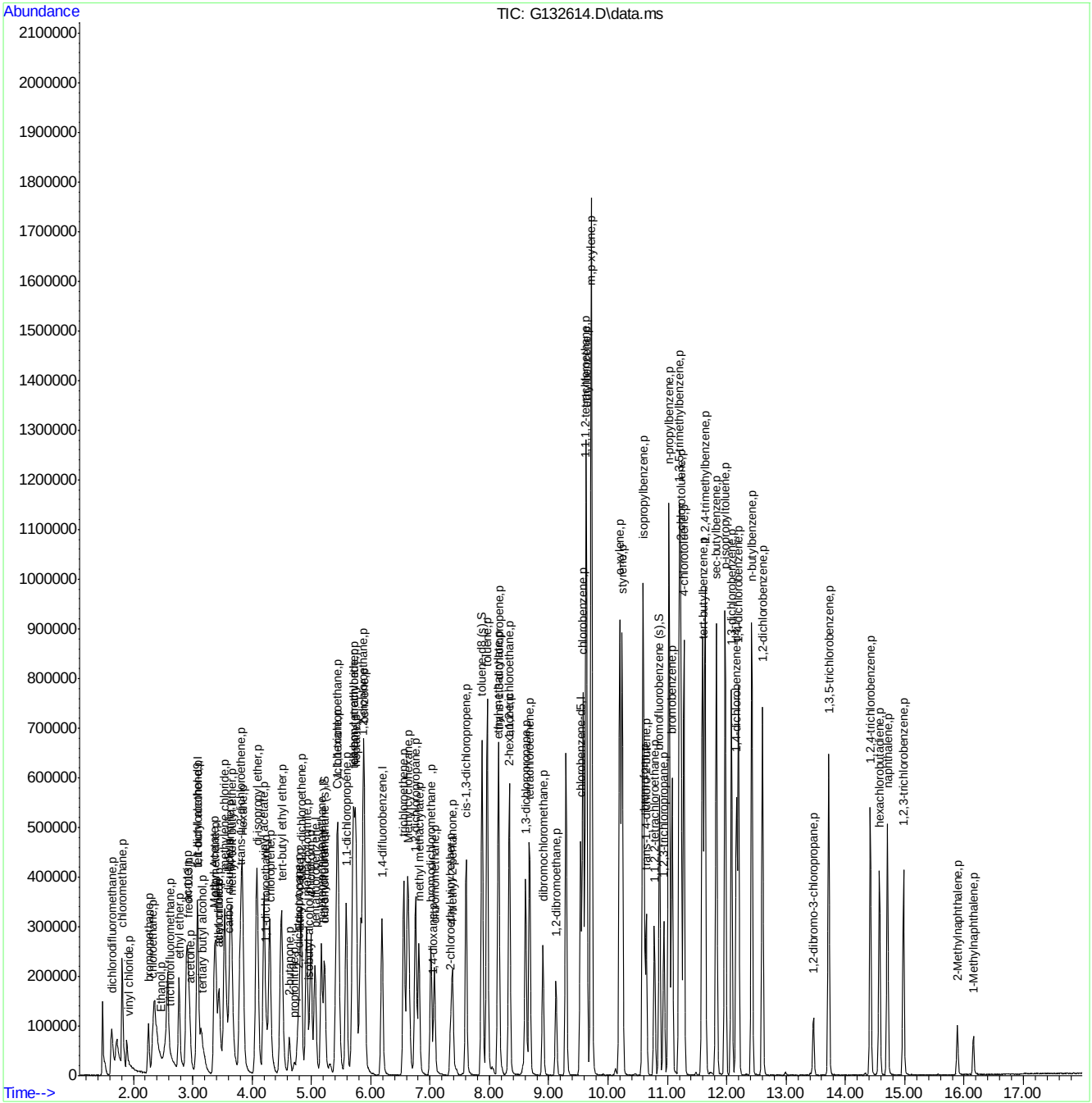
7.6.7

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132614.D
Acq On : 25 Oct 2013 3:37 pm
Operator : jaimem
Sample : ic5138-100
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 28 08:08:34 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 07:45:56 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
10/28/13 09:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132615.D
Acq On : 25 Oct 2013 4:06 pm
Operator : jaimem
Sample : ic5138-200
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 28 08:09:59 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:09:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.090	65	92200	500.00	ppb		0.00
4) pentafluorobenzene	5.068	168	195408	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.193	114	313725	50.00	ppb		0.00
66) chlorobenzene-d5	9.538	82	161867	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.163	152	157965	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.228	113	283974	212.80	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 425.60%#				
60) toluene-d8 (s)	7.878	98	1119251	203.41	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 406.82%#				
82) bromofluorobenzene (s)	10.868	95	466952	201.02	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 402.04%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.163	59	321579	1829.02	ppb		100
3) Ethanol	2.468	45	426934	16558.15	ppb		96
5) dichlorodifluoromethane	1.641	85	271421m	179.63	ppb		
6) chloromethane	1.820	50	435496	209.19	ppb		97
7) vinyl chloride	1.917	62	157142	177.18	ppb		98
8) bromomethane	2.260	96	127027	184.56	ppb		96
9) chloroethane	2.330	64	145301	201.61	ppb		85
10) ethyl ether	2.783	59	277031	195.87	ppb		93
11) acetonitrile	3.438	41	540311	191.42	ppb		96
12) trichlorofluoromethane	2.615	101	425691m	191.15	ppb		
13) freon-113	2.926	101	350919m	213.41	ppb		
14) acrolein	2.910	56	205808	961.02	ppb		96
15) 1,1-dichloroethene	3.089	96	311225	196.88	ppb		87
16) acetone	2.961	58	53300	186.54	ppb		93
17) Methyl Acetate	3.370	43	420599	192.37	ppb	#	95
18) methylene chloride	3.541	84	304774	189.47	ppb		92
19) methyl tert butyl ether	3.663	73	816128	193.71	ppb		95
20) acrylonitrile	3.634	53	161216	193.68	ppb		92
21) allyl chloride	3.440	41	567382	196.93	ppb		96
22) trans-1,2-dichloroethene	3.806	96	285925	187.12	ppb		90
23) iodomethane	3.385	142	505943	197.15	ppb		92
24) carbon disulfide	3.615	76	955120	202.48	ppb		99
25) propionitrile	4.717	54	58830	188.63	ppb		100
26) vinyl acetate	4.205	43	848378	198.13	ppb		96
27) chloroprene	4.308	53	546073	193.17	ppb		95
28) di-isopropyl ether	4.092	45	1283126	190.41	ppb		98
29) methacrylonitrile	4.926	41	307442	189.60	ppb		87
30) 2-butanone	4.635	72	39394	177.02	ppb	#	88
31) Ethyl Acetate	4.803	43	202937	185.10	ug/L	#	96
32) Hexane	3.844	41	371272	186.25	ppb	#	95
33) 1,1-dichloroethane	4.226	63	595370	184.90	ppb		97
34) tert-butyl ethyl ether	4.507	59	1045664	195.61	ppb		97
35) isobutyl alcohol	4.953	43	96026	906.60	ppb		92
36) 2,2-dichloropropane	4.783	77	159789	173.18	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132615.D
Acq On : 25 Oct 2013 4:06 pm
Operator : jaimem
Sample : ic5138-200
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 28 08:09:59 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:09:20 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.832	96	299772	185.10	ppb		95
38) bromochloromethane	5.173	128	143648	195.04	ppb	#	85
39) chloroform	4.999	83	502928	186.58	ppb		100
41) Tetrahydrofuran	5.219	42	119933	191.96	ppb		98
42) 1,1,1-trichloroethane	5.439	97	392277	188.60	ppb		97
44) Cyclohexane	5.448	56	657868	192.63	ppb		96
45) carbon tetrachloride	5.713	117	425315	198.36	ppb		100
46) 1,1-dichloropropene	5.592	75	405546	190.01	ppb		94
47) benzene	5.892	78	1113452	174.42	ppb		98
48) 1,2-dichloroethane	5.873	62	440961	185.96	ppb		97
49) tert-amyl methyl ether	5.721	73	819214	196.40	ppb		86
50) heptane	5.745	43	906365	194.18	ppb		97
51) trichloroethene	6.560	95	314626	186.30	ppb		85
52) 1,2-dichloropropane	6.757	63	349089	185.03	ppb		100
53) dibromomethane	7.076	93	189680	192.16	ppb		89
54) bromodichloromethane	7.017	83	396813	192.30	ppb		97
55) Methylcyclohexane	6.635	83	490140	197.72	ppb		98
56) 2-chloroethyl vinyl ether	7.347	63	92197	202.98	ppb		99
57) methyl methacrylate	6.815	69	208724	192.82	ppb		98
58) 1,4-dioxane	7.059	88	19615	971.80	ppb		84
59) cis-1,3-dichloropropene	7.610	75	523614	196.31	ppb		95
61) 4-methyl-2-pentanone	7.377	43	472495	192.65	ppb		92
62) toluene	7.965	92	725694	187.30	ppb		99
63) trans-1,3-dichloropropene	8.162	75	447818	195.10	ppb		93
64) 1,1,2-trichloroethane	8.336	83	222558	180.46	ppb		94
65) ethyl methacrylate	8.148	69	391672	193.17	ppb		95
67) tetrachloroethene	8.679	166	305236	178.10	ppb		98
68) 1,3-dichloropropane	8.612	76	448383	188.49	ppb		100
69) dibromochloromethane	8.905	129	320699	200.65	ppb		100
70) 1,2-dibromoethane	9.124	107	289172	188.46	ppb		97
71) 2-hexanone	8.342	43	352781	172.19	ppb		97
72) chlorobenzene	9.581	112	861220	181.05	ppb		90
73) 1,1,1,2-tetrachloroethane	9.627	131	301074	189.88	ppb		96
74) ethylbenzene	9.636	91	1434466	180.62	ppb		95
75) m,p-xylene	9.720	106	1108174	363.27	ppb		90
76) o-xylene	10.199	106	557799	182.93	ppb		90
77) styrene	10.237	104	919671	188.78	ppb		90
78) bromoform	10.611	173	214679	206.11	ppb		97
79) trans-1,4-dichloro-2-b...	10.644	53	163800	198.52	ppb		95
81) isopropylbenzene	10.590	105	1456469	181.06	ppb		97
83) bromobenzene	11.081	156	355442	182.36	ppb	#	81
84) 1,1,2,2-tetrachloroethane	10.782	83	362389	178.91	ppb		95
85) 1,2,3-trichloropropane	10.942	75	291121	184.30	ppb		96
86) n-propylbenzene	11.030	91	1758604	186.06	ppb		92
87) 2-chlorotoluene	11.225	91	1212695	182.42	ppb		88
88) 4-chlorotoluene	11.278	91	1060368	180.18	ppb		87
89) 1,3,5-trimethylbenzene	11.204	105	1235655	186.50	ppb		96
90) tert-butylbenzene	11.598	91	842817	185.62	ppb	#	78
91) 1,2,4-trimethylbenzene	11.634	105	1226377	186.06	ppb		95
92) sec-butylbenzene	11.826	105	1510554	184.91	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132615.D
Acq On : 25 Oct 2013 4:06 pm
Operator : jaimem
Sample : ic5138-200
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 28 08:09:59 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:09:20 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.081	146	701546	179.76	ppb		93
94)	p-isopropyltoluene	11.976	119	1234120	186.72	ppb		95
95)	1,4-dichlorobenzene	12.199	146	690712	179.00	ppb		98
96)	1,2-dichlorobenzene	12.604	146	679217	184.27	ppb		96
97)	n-butylbenzene	12.424	91	1152865	188.00	ppb		93
98)	1,2-dibromo-3-chloropr...	13.461	75	68841	204.23	ppb	#	74
99)	1,3,5-trichlorobenzene	13.720	180	447062	190.00	ug/L		100
100)	1,2,4-trichlorobenzene	14.423	180	382908	192.64	ppb		99
101)	hexachlorobutadiene	14.575	225	189054	185.28	ppb		98
102)	naphthalene	14.710	128	872703	187.60	ppb		100
103)	2-Methylnaphthalene	15.890	142	105980	91.92	ug/L		98
104)	1-Methylnaphthalene	16.158	142	76111	83.16	ug/L		95
105)	1,2,3-trichlorobenzene	14.980	180	279839	178.93	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

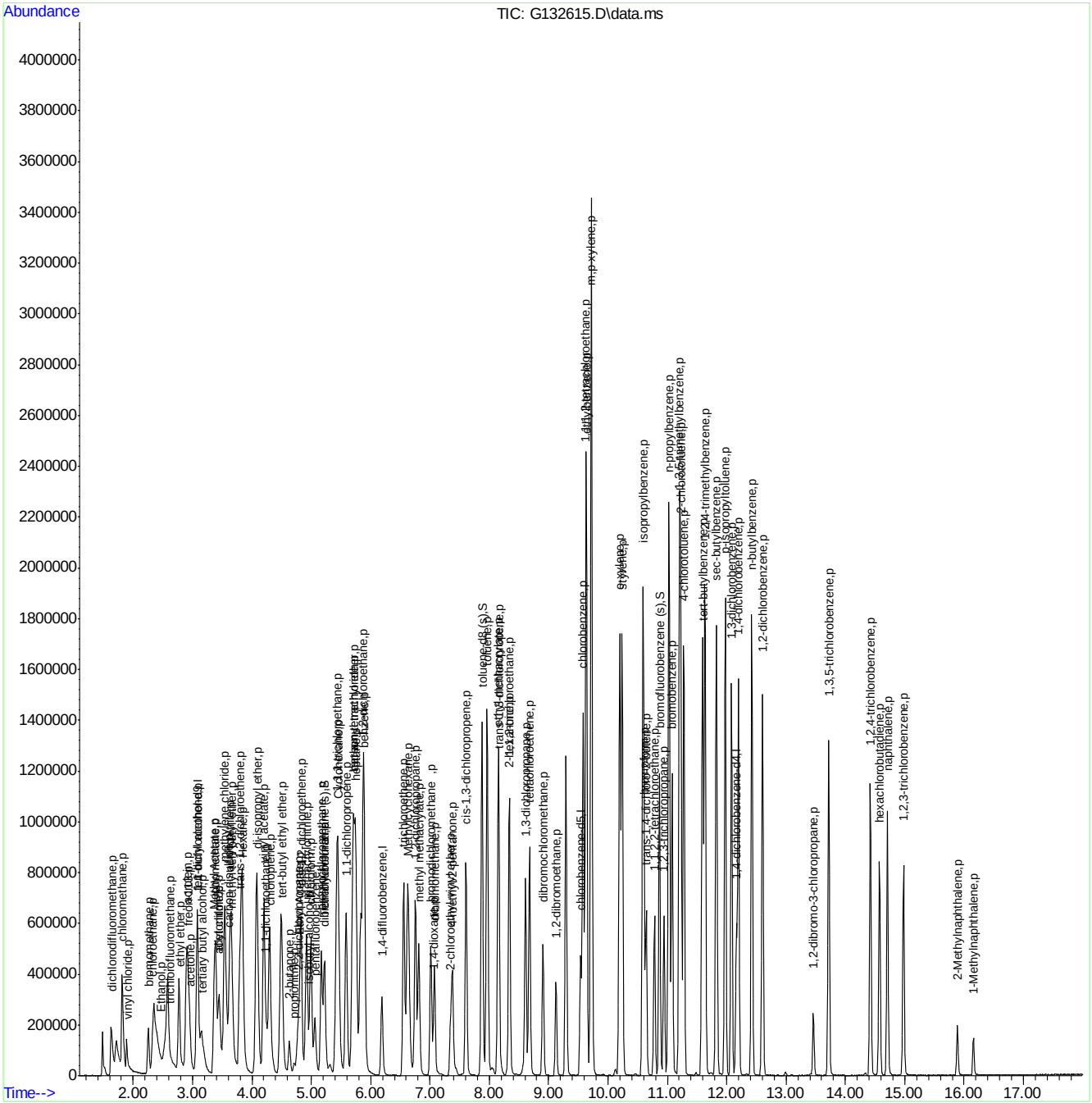
7.6.8

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132615.D
Acq On : 25 Oct 2013 4:06 pm
Operator : jaimem
Sample : ic5138-200
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 28 08:09:59 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:09:20 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
10/28/13 09:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132616.D
Acq On : 25 Oct 2013 4:34 pm
Operator : jaimem
Sample : ic5138-400
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 28 08:11:44 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:10:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.102	65	97744	500.00	ppb		0.01
4) pentafluorobenzene	5.067	168	202850	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.192	114	329059	50.00	ppb		0.00
66) chlorobenzene-d5	9.539	82	169728	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.164	152	162801	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.228	113	600258	428.73	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 857.46%#				
60) toluene-d8 (s)	7.878	98	2339190	404.17	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 808.34%#				
82) bromofluorobenzene (s)	10.869	95	965587	402.99	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 805.98%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.171	59	682526	3714.69	ppb		100
3) Ethanol	2.481	45	917995	34430.44	ppb		92
5) dichlorodifluoromethane	1.644	85	597085m	386.29	ppb		
6) chloromethane	1.829	50	914316	419.86	ppb		99
7) vinyl chloride	1.920	62	313118	345.73	ppb		98
8) bromomethane	2.263	96	261162	369.60	ppb		98
9) chloroethane	2.328	64	291577	389.21	ppb		80
10) ethyl ether	2.782	59	604735	413.31	ppb		99
11) acetonitrile	3.441	41	1145296	393.69	ppb		95
12) trichlorofluoromethane	2.621	101	909028m	395.71	ppb		
13) freon-113	2.924	101	707638m	409.98	ppb		
14) acrolein	2.931	56	468900	2122.99	ppb		100
15) 1,1-dichloroethene	3.098	96	631816	385.87	ppb		84
16) acetone	2.963	58	104347	356.60	ppb		100
17) Methyl Acetate	3.368	43	872381	386.83	ppb	#	95
18) methylene chloride	3.541	84	624004	376.53	ppb		92
19) methyl tert butyl ether	3.663	73	1772537	407.11	ppb		98
20) acrylonitrile	3.635	53	342857	398.89	ppb		95
21) allyl chloride	3.444	41	1225466	410.79	ppb		98
22) trans-1,2-dichloroethene	3.809	96	602822	383.57	ppb		90
23) iodomethane	3.384	142	1033569	388.89	ppb		91
24) carbon disulfide	3.617	76	1978585	403.23	ppb		98
25) propionitrile	4.718	54	124982	389.72	ppb		100
26) vinyl acetate	4.204	43	1817367	409.49	ppb		95
27) chloroprene	4.309	53	1174394	402.48	ppb		94
28) di-isopropyl ether	4.098	45	2801441	403.24	ppb		97
29) methacrylonitrile	4.928	41	665558	398.85	ppb		87
30) 2-butanone	4.639	72	83600	368.95	ppb	#	81
31) Ethyl Acetate	4.803	43	436024	387.93	ug/L	#	98
32) Hexane	3.843	41	783525	383.03	ppb		99
33) 1,1-dichloroethane	4.232	63	1266928	383.15	ppb		99
34) tert-butyl ethyl ether	4.503	59	2249107	406.57	ppb		98
35) isobutyl alcohol	4.961	43	207516	1917.17	ppb		77
36) 2,2-dichloropropane	4.782	77	310911	332.03	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132616.D
Acq On : 25 Oct 2013 4:34 pm
Operator : jaimem
Sample : ic5138-400
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 28 08:11:44 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:10:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.832	96	641545	385.71	ppb		96
38) bromochloromethane	5.174	128	313330	411.51	ppb	#	85
39) chloroform	4.999	83	1080910	390.03	ppb		99
41) Tetrahydrofuran	5.217	42	257727	400.06	ppb		99
42) 1,1,1-trichloroethane	5.442	97	876922	409.48	ppb		96
44) Cyclohexane	5.448	56	1392807	391.22	ppb		97
45) carbon tetrachloride	5.713	117	908378	404.38	ppb		99
46) 1,1-dichloropropene	5.591	75	870777	392.24	ppb		95
47) benzene	5.892	78	2367274	359.30	ppb		98
48) 1,2-dichloroethane	5.873	62	948521	385.23	ppb		97
49) tert-amyl methyl ether	5.723	73	1803085	413.37	ppb		87
50) heptane	5.744	43	1964909	403.31	ppb		95
51) trichloroethene	6.559	95	674924	384.31	ppb		83
52) 1,2-dichloropropane	6.757	63	753642	384.97	ppb		99
53) dibromomethane	7.076	93	413873	402.37	ppb		88
54) bromodichloromethane	7.017	83	870371	404.36	ppb		99
55) Methylcyclohexane	6.636	83	1064379	410.14	ppb		97
56) 2-chloroethyl vinyl ether	7.347	63	203919	426.97	ppb		99
57) methyl methacrylate	6.815	69	455427	403.53	ppb		98
58) 1,4-dioxane	7.062	88	44167m	2096.08	ppb		
59) cis-1,3-dichloropropene	7.610	75	1144646	410.23	ppb		93
61) 4-methyl-2-pentanone	7.377	43	1021046	399.36	ppb		92
62) toluene	7.965	92	1545468	384.36	ppb		97
63) trans-1,3-dichloropropene	8.162	75	966952	403.05	ppb		94
64) 1,1,2-trichloroethane	8.336	83	477800	374.60	ppb		96
65) ethyl methacrylate	8.149	69	838181	396.38	ppb		96
67) tetrachloroethene	8.679	166	644515	363.63	ppb		99
68) 1,3-dichloropropane	8.612	76	964494	390.43	ppb		100
69) dibromochloromethane	8.905	129	701105	418.15	ppb		98
70) 1,2-dibromoethane	9.125	107	625572	392.04	ppb		98
71) 2-hexanone	8.343	43	697462	332.37	ppb		97
72) chlorobenzene	9.582	112	1825985	371.11	ppb		91
73) 1,1,1,2-tetrachloroethane	9.628	131	630367	382.37	ppb		97
74) ethylbenzene	9.637	91	3028591	368.79	ppb		94
75) m,p-xylene	9.722	106	2310527	731.94	ppb		85
76) o-xylene	10.200	106	1172621	371.27	ppb		85
77) styrene	10.239	104	1924892	380.38	ppb		88
78) bromoform	10.612	173	458929	418.37	ppb		97
79) trans-1,4-dichloro-2-b...	10.645	53	350969	406.16	ppb		95
81) isopropylbenzene	10.591	105	3042236	372.85	ppb		96
83) bromobenzene	11.082	156	746640	377.24	ppb	#	82
84) 1,1,2,2-tetrachloroethane	10.784	83	771185	375.06	ppb		94
85) 1,2,3-trichloropropane	10.943	75	623315	387.95	ppb		99
86) n-propylbenzene	11.031	91	3659013	380.05	ppb		91
87) 2-chlorotoluene	11.226	91	2505378	371.12	ppb		86
88) 4-chlorotoluene	11.280	91	2265405	379.78	ppb		87
89) 1,3,5-trimethylbenzene	11.206	105	2571352	380.85	ppb		94
90) tert-butylbenzene	11.600	91	1766822	382.13	ppb		79
91) 1,2,4-trimethylbenzene	11.635	105	2568256	382.52	ppb		94
92) sec-butylbenzene	11.827	105	3150839	379.01	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132616.D
Acq On : 25 Oct 2013 4:34 pm
Operator : jaimem
Sample : ic5138-400
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 28 08:11:44 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:10:49 2013
Response via : Initial Calibration

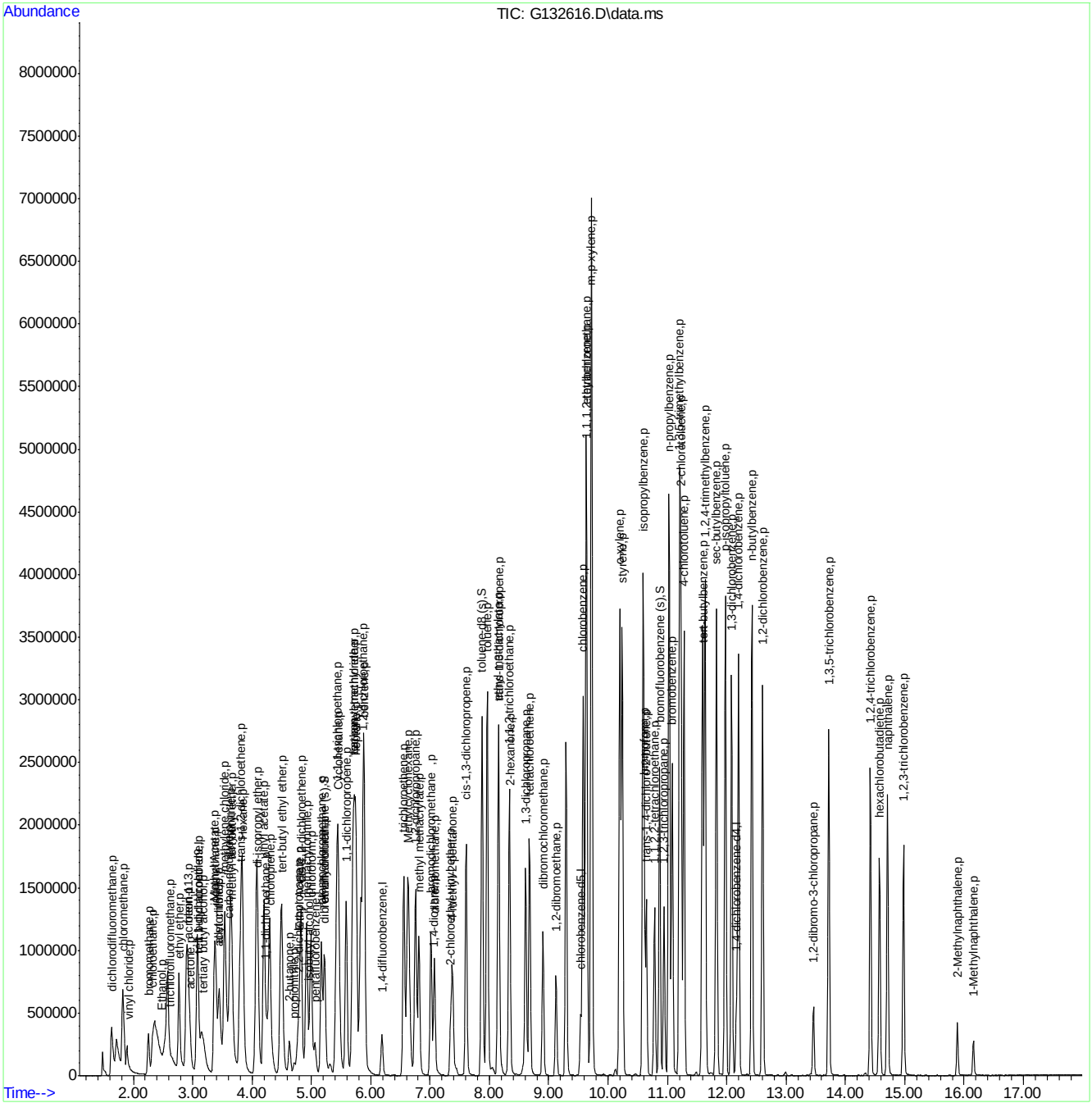
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.083	146	1473728	371.78	ppb		94
94)	p-isopropyltoluene	11.977	119	2586311	383.93	ppb		94
95)	1,4-dichlorobenzene	12.199	146	1454352	371.27	ppb		97
96)	1,2-dichlorobenzene	12.605	146	1434122	381.81	ppb		97
97)	n-butylbenzene	12.424	91	2411461	385.41	ppb		91
98)	1,2-dibromo-3-chloropr...	13.461	75	152821	438.36	ppb	#	70
99)	1,3,5-trichlorobenzene	13.720	180	951963	395.87	ug/L		100
100)	1,2,4-trichlorobenzene	14.423	180	825866	405.64	ppb		99
101)	hexachlorobutadiene	14.576	225	402229	387.23	ppb		97
102)	naphthalene	14.710	128	1963539	413.84	ppb		100
103)	2-Methylnaphthalene	15.890	142	217817	185.82	ug/L		99
104)	1-Methylnaphthalene	16.159	142	147629	161.03	ug/L		96
105)	1,2,3-trichlorobenzene	14.980	180	615848	388.91	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132616.D
Acq On : 25 Oct 2013 4:34 pm
Operator : jaimem
Sample : ic5138-400
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 28 08:11:44 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:10:49 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
10/28/13 09:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132619.D
Acq On : 25 Oct 2013 6:01 pm
Operator : jaimem
Sample : icv5138-50
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 28 08:18:39 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.088	65	100712	500.00	ppb		0.00
4) pentafluorobenzene	5.069	168	206746	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.193	114	326992	50.00	ppb		0.00
66) chlorobenzene-d5	9.540	82	171743	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	155714	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.228	113	76349	52.96	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.92%				
60) toluene-d8 (s)	7.878	98	300458	52.16	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.32%				
82) bromofluorobenzene (s)	10.867	95	119731	52.19	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.38%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.160	59	87258	465.66	ppb		97
3) Ethanol	2.465	45	107089	3967.18	ppb		99
5) dichlorodifluoromethane	1.648	85	84290m	53.73	ppb		
6) chloromethane	1.816	50	131019	58.61	ppb		97
7) vinyl chloride	1.916	62	37693	41.54	ppb		98
8) bromomethane	2.261	96	39600	55.51	ppb		90
9) chloroethane	2.331	64	44701	58.77	ppb		84
10) ethyl ether	2.784	59	69595	46.45	ppb		96
11) acetonitrile	3.438	41	135922	45.95	ppb		99
12) trichlorofluoromethane	2.622	101	115919	49.58	ppb		98
13) freon-113	2.921	101	78501	44.46	ppb		88
14) acrolein	2.908	56	17034	75.01	ppb		94
15) 1,1-dichloroethene	3.087	96	75551	45.47	ppb		88
16) acetone	2.959	58	12812	43.75	ppb		96
17) Methyl Acetate	3.368	43	81516	35.63	ppb	#	94
18) methylene chloride	3.541	84	78181	46.63	ppb		95
19) methyl tert butyl ether	3.660	73	198993	44.74	ppb		97
20) acrylonitrile	3.633	53	79652	90.96	ppb		98
21) allyl chloride	3.438	41	136658	44.77	ppb		97
22) trans-1,2-dichloroethene	3.806	96	74147	46.53	ppb		89
23) iodomethane	3.385	142	123176	45.65	ppb		90
24) carbon disulfide	3.615	76	228703	45.68	ppb		94
25) propionitrile	4.715	54	13855	42.55	ppb		100
26) vinyl acetate	4.204	43	202615	44.64	ppb		95
27) chloroprene	4.306	53	143432	48.19	ppb		94
28) di-isopropyl ether	4.092	45	308025	43.46	ppb		98
29) methacrylonitrile	4.927	41	78216	46.01	ppb		96
30) 2-butanone	4.635	72	9328	40.84	ppb		95
31) Ethyl Acetate	4.804	43	74880	65.65	ug/L	#	98
32) Hexane	3.844	41	89633	43.25	ppb		98
33) 1,1-dichloroethane	4.224	63	151803	45.28	ppb		98
34) tert-butyl ethyl ether	4.503	59	259525	45.94	ppb		96
35) isobutyl alcohol	4.952	43	25376	231.39	ppb		97
36) 2,2-dichloropropane	4.781	77	44026	47.28	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132619.D
Acq On : 25 Oct 2013 6:01 pm
Operator : jaimem
Sample : icv5138-50
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 28 08:18:39 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.831	96	75014	44.45	ppb		94
38) bromochloromethane	5.172	128	36693	47.09	ppb	#	85
39) chloroform	4.997	83	123527	43.87	ppb		98
41) Tetrahydrofuran	5.214	42	27019	41.15	ppb		94
42) 1,1,1-trichloroethane	5.436	97	99451	45.43	ppb		87
44) Cyclohexane	5.448	56	152376	43.21	ppb		96
45) carbon tetrachloride	5.711	117	101474	45.40	ppb		94
46) 1,1-dichloropropene	5.591	75	100828	45.83	ppb		93
47) benzene	5.892	78	283202	43.75	ppb		98
48) 1,2-dichloroethane	5.872	62	109211	44.84	ppb		96
49) tert-amyl methyl ether	5.716	73	194937	44.76	ppb		98
50) heptane	5.739	43	204501	42.19	ppb		95
51) trichloroethene	6.560	95	77478	44.59	ppb		82
52) 1,2-dichloropropane	6.757	63	84511	43.65	ppb		100
53) dibromomethane	7.075	93	46163	45.13	ppb		83
54) bromodichloromethane	7.016	83	96667	45.13	ppb		98
55) Methylcyclohexane	6.632	83	116254	44.92	ppb		98
56) 2-chloroethyl vinyl ether	7.347	63	49155	102.58	ppb		98
57) methyl methacrylate	6.815	69	51251	45.64	ppb		95
58) 1,4-dioxane	7.057	88	4868m	230.90	ppb		
59) cis-1,3-dichloropropene	7.609	75	120857	43.45	ppb		92
61) 4-methyl-2-pentanone	7.372	43	137977	54.32	ppb		99
62) toluene	7.965	92	182366	45.90	ppb		100
63) trans-1,3-dichloropropene	8.161	75	113559	47.59	ppb		93
64) 1,1,2-trichloroethane	8.335	83	55695	44.29	ppb		88
65) ethyl methacrylate	8.148	69	95645	45.58	ppb		96
67) tetrachloroethene	8.678	166	74367	41.89	ppb		97
68) 1,3-dichloropropane	8.611	76	109683	44.03	ppb		94
69) dibromochloromethane	8.904	129	76037	44.56	ppb		99
70) 1,2-dibromoethane	9.124	107	69897	43.40	ppb		96
71) 2-hexanone	8.342	43	82844	39.98	ppb		98
72) chlorobenzene	9.580	112	200843	40.71	ppb		91
73) 1,1,1,2-tetrachloroethane	9.626	131	74528	44.96	ppb		94
74) ethylbenzene	9.635	91	355011	43.14	ppb		94
75) m,p-xylene	9.719	106	268529	84.97	ppb		92
76) o-xylene	10.198	106	132293	41.77	ppb		90
77) styrene	10.237	104	225379	44.33	ppb		86
78) bromoform	10.611	173	49753	44.57	ppb		99
79) trans-1,4-dichloro-2-b...	10.644	53	36355	41.49	ppb		94
81) isopropylbenzene	10.590	105	340489	44.06	ppb		99
83) bromobenzene	11.080	156	85648	45.61	ppb		86
84) 1,1,2,2-tetrachloroethane	10.782	83	88949	45.58	ppb		95
85) 1,2,3-trichloropropane	10.942	75	71914	47.00	ppb		93
86) n-propylbenzene	11.029	91	388525	42.49	ppb		93
87) 2-chlorotoluene	11.224	91	274579	42.97	ppb		87
88) 4-chlorotoluene	11.277	91	250008	44.14	ppb		88
89) 1,3,5-trimethylbenzene	11.202	105	285723	44.55	ppb		95
90) tert-butylbenzene	11.598	91	191249	43.52	ppb		79
91) 1,2,4-trimethylbenzene	11.633	105	284487	44.58	ppb		95
92) sec-butylbenzene	11.825	105	348622	44.17	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132619.D
Acq On : 25 Oct 2013 6:01 pm
Operator : jaimem
Sample : icv5138-50
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 28 08:18:39 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

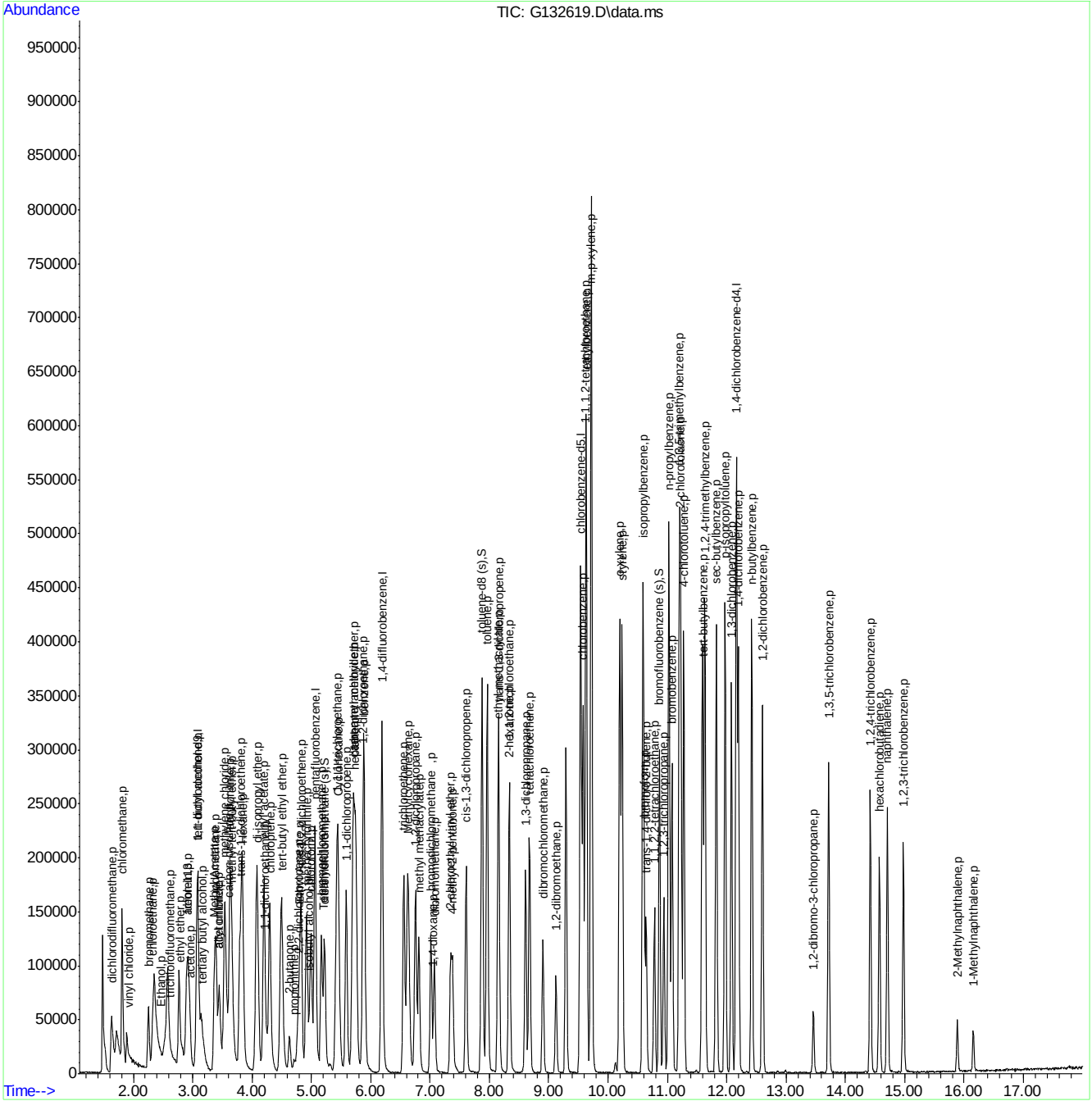
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	165427	44.02	ppb		97
94)	p-isopropyltoluene	11.975	119	289350	45.17	ppb		96
95)	1,4-dichlorobenzene	12.197	146	167215	45.03	ppb		96
96)	1,2-dichlorobenzene	12.603	146	157577	44.11	ppb		95
97)	n-butylbenzene	12.423	91	268958	45.18	ppb		92
98)	1,2-dibromo-3-chloropr...	13.461	75	15389	45.53	ppb	#	67
99)	1,3,5-trichlorobenzene	13.719	180	99069	43.14	ug/L		99
100)	1,2,4-trichlorobenzene	14.421	180	86817	44.49	ppb		99
101)	hexachlorobutadiene	14.574	225	45202	45.71	ppb		95
102)	naphthalene	14.709	128	210586	46.18	ppb		100
103)	2-Methylnaphthalene	15.890	142	24825	22.37	ug/L		99
104)	1-Methylnaphthalene	16.157	142	19663	23.07	ug/L		95
105)	1,2,3-trichlorobenzene	14.979	180	70015	46.41	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131025\
Data File : G132619.D
Acq On : 25 Oct 2013 6:01 pm
Operator : jaimem
Sample : icv5138-50
Misc : MS30306,MSG5138,10,,100,10,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 28 08:18:39 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/16/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134046.D
Acq On : 13 Dec 2013 8:52 am
Operator : jaimem
Sample : cc5138-50
Misc : MS30754,MSG5173,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 13 09:16:22 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.088	65	58508	500.00	ppb		0.00
4) pentafluorobenzene	5.067	168	127492	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.192	114	197336	50.00	ppb		0.00
66) chlorobenzene-d5	9.537	82	109805	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	107574	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.226	113	51178	57.57	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 115.14%				
60) toluene-d8 (s)	7.877	98	187681	53.99	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.98%				
82) bromofluorobenzene (s)	10.867	95	76314	48.15	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.30%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.162	59	53492	491.38	ppb		92
3) Ethanol	2.469	45	53599m	3417.90	ppb		
5) dichlorodifluoromethane	1.646	85	55795m	57.68	ppb		
6) chloromethane	1.823	50	63930	46.38	ppb		99
7) vinyl chloride	1.908	62	35097m	62.72	ppb		
8) bromomethane	2.272	96	31724m	72.12	ppb		
9) chloroethane	2.347	64	27771m	59.21	ppb		
10) ethyl ether	2.778	59	39039	42.25	ppb		99
11) acetonitrile	3.441	41	77722	42.60	ppb		77
12) trichlorofluoromethane	2.617	101	91415m	63.40	ppb		
13) freon-113	2.998	101	64904m	59.62	ppb		
14) acrolein	2.902	56	7929	56.62	ppb		92
15) 1,1-dichloroethene	3.136	96	55670	54.34	ppb	#	77
16) acetone	2.967	58	7357m	40.74	ppb		
17) Methyl Acetate	3.369	43	50232	35.61	ppb	#	94
18) methylene chloride	3.555	84	51862	50.16	ppb		89
19) methyl tert butyl ether	3.657	73	142257	51.87	ppb		92
20) acrylonitrile	3.632	53	41899	77.59	ppb		98
21) allyl chloride	3.441	41	77722	41.29	ppb		95
22) trans-1,2-dichloroethene	3.825	96	54493	55.45	ppb		93
23) iodomethane	3.406	142	92209	55.42	ppb		84
24) carbon disulfide	3.614	76	160795	52.08	ppb		94
25) propionitrile	4.718	54	8007	39.87	ppb		100
26) vinyl acetate	4.203	43	114685	40.98	ppb		95
27) chloroprene	4.306	53	101880	55.50	ppb		96
28) di-isopropyl ether	4.089	45	178370	40.81	ppb		92
29) methacrylonitrile	4.927	41	41771	39.84	ppb		75
30) 2-butanone	4.633	72	6204	44.05	ppb	#	69
31) Ethyl Acetate	4.803	43	40476	57.55	ug/L	#	99
32) Hexane	3.847	41	61077	47.80	ppb		86
33) 1,1-dichloroethane	4.225	63	100336	48.54	ppb		94
34) tert-butyl ethyl ether	4.501	59	170842	49.04	ppb		98
35) isobutyl alcohol	4.955	43	12852	190.04	ppb		75
36) 2,2-dichloropropane	4.783	77	38795	67.56	ppb		83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134046.D
Acq On : 13 Dec 2013 8:52 am
Operator : jaimem
Sample : cc5138-50
Misc : MS30754,MSG5173,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 13 09:16:22 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.832	96	53685	51.58	ppb		91
38) bromochloromethane	5.172	128	27246	56.70	ppb		94
39) chloroform	4.997	83	96929	55.82	ppb		96
41) Tetrahydrofuran	5.212	42	14613	36.09	ppb		95
42) 1,1,1-trichloroethane	5.435	97	84044	62.26	ppb		90
44) Cyclohexane	5.470	56	85487	40.17	ppb		92
45) carbon tetrachloride	5.718	117	90905	67.39	ppb		89
46) 1,1-dichloropropene	5.590	75	74422	56.06	ppb		92
47) benzene	5.891	78	196862	50.39	ppb		99
48) 1,2-dichloroethane	5.872	62	84616	57.57	ppb		99
49) tert-amyl methyl ether	5.714	73	137714	52.40	ppb		93
50) heptane	5.737	43	129858	44.39	ppb		98
51) trichloroethene	6.560	95	58640	55.92	ppb		92
52) 1,2-dichloropropane	6.756	63	51844	44.37	ppb		98
53) dibromomethane	7.074	93	32760	53.06	ppb		88
54) bromodichloromethane	7.016	83	77062	59.62	ppb		99
55) Methylcyclohexane	6.633	83	75702	48.47	ppb		90
56) 2-chloroethyl vinyl ether	7.346	63	21129	73.07	ppb		96
57) methyl methacrylate	6.814	69	32164	47.46	ppb		90
58) 1,4-dioxane	7.064	88	3053m	239.96	ppb		
59) cis-1,3-dichloropropene	7.609	75	86293	51.41	ppb		97
61) 4-methyl-2-pentanone	7.372	43	70241	45.82	ppb		96
62) toluene	7.964	92	133791	55.80	ppb		95
63) trans-1,3-dichloropropene	8.161	75	84935	58.98	ppb		96
64) 1,1,2-trichloroethane	8.334	83	36995	48.75	ppb		96
65) ethyl methacrylate	8.147	69	60576	47.83	ppb		94
67) tetrachloroethene	8.677	166	61675	54.33	ppb		91
68) 1,3-dichloropropane	8.610	76	73270	46.00	ppb		97
69) dibromochloromethane	8.903	129	63407	58.12	ppb		91
70) 1,2-dibromoethane	9.123	107	51660	50.17	ppb		100
71) 2-hexanone	8.341	43	51043	38.53	ppb		94
72) chlorobenzene	9.580	112	154123	48.86	ppb		95
73) 1,1,1,2-tetrachloroethane	9.626	131	59473	56.12	ppb		94
74) ethylbenzene	9.634	91	270733	51.46	ppb		98
75) m,p-xylene	9.719	106	201944	99.95	ppb	#	78
76) o-xylene	10.198	106	97794	48.29	ppb	#	77
77) styrene	10.236	104	168268	51.76	ppb		87
78) bromoform	10.610	173	40770	57.12	ppb		99
79) trans-1,4-dichloro-2-b...	10.643	53	24451	43.64	ppb		90
81) isopropylbenzene	10.589	105	264951	49.62	ppb		97
83) bromobenzene	11.080	156	67642	52.15	ppb		84
84) 1,1,2,2-tetrachloroethane	10.781	83	57446	42.61	ppb		96
85) 1,2,3-trichloropropane	10.941	75	47247	44.70	ppb		96
86) n-propylbenzene	11.028	91	290851	46.05	ppb		95
87) 2-chlorotoluene	11.223	91	213519	48.36	ppb		89
88) 4-chlorotoluene	11.276	91	194052	49.59	ppb		87
89) 1,3,5-trimethylbenzene	11.202	105	225377	50.87	ppb		98
90) tert-butylbenzene	11.597	91	156951	51.70	ppb	#	76
91) 1,2,4-trimethylbenzene	11.633	105	218936	49.66	ppb		97
92) sec-butylbenzene	11.825	105	268033	49.16	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134046.D
Acq On : 13 Dec 2013 8:52 am
Operator : jaimem
Sample : cc5138-50
Misc : MS30754,MSG5173,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 13 09:16:22 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration

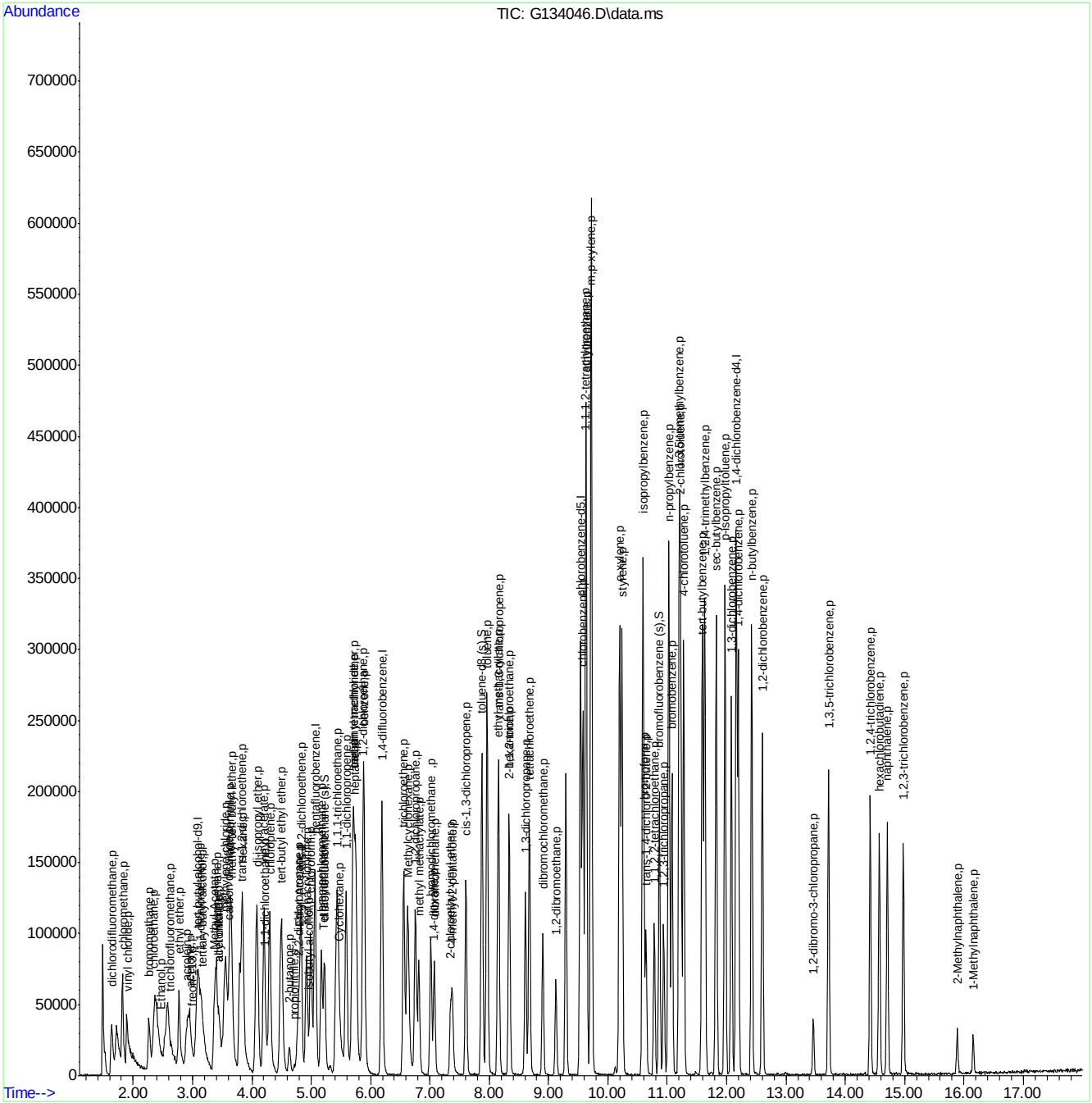
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.080	146	124069	47.79	ppb		94
94) p-isopropyltoluene	11.974	119	231546	52.32	ppb		92
95) 1,4-dichlorobenzene	12.197	146	123368	48.09	ppb		97
96) 1,2-dichlorobenzene	12.603	146	112836	45.72	ppb		95
97) n-butylbenzene	12.423	91	197398	48.00	ppb		92
98) 1,2-dibromo-3-chloropr...	13.461	75	11622	49.77	ppb	#	63
99) 1,3,5-trichlorobenzene	13.718	180	74734	47.10	ug/L		99
100) 1,2,4-trichlorobenzene	14.421	180	66737	49.51	ppb		95
101) hexachlorobutadiene	14.574	225	40091	58.68	ppb		97
102) naphthalene	14.708	128	156761	49.76	ppb		100
103) 2-Methylnaphthalene	15.889	142	15813	20.62	ug/L		96
104) 1-Methylnaphthalene	16.156	142	12896	21.90	ug/L	#	92
105) 1,2,3-trichlorobenzene	14.979	180	55335	53.09	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131213\
Data File : G134046.D
Acq On : 13 Dec 2013 8:52 am
Operator : jaimem
Sample : cc5138-50
Misc : MS30754,MSG5173,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 13 09:16:22 2013
Quant Method : C:\msdchem\1\METHODS\g131025s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 28 08:12:17 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/12/13 11:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62065.D
Acq On : 11 Dec 2013 2:53 pm
Operator : krystend
Sample : IC2169-0.5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 11 17:19:04 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:18:01 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	135165	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	393784	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	634206	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	267826	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	314302	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	0.000	113	0	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
59) toluene-d8 (s)	0.000	98	0d	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
81) bromofluorobenzene (s)	0.000	95	0d	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
46) benzene	10.029	78	12018	0.77	ug/kg	97
50) trichloroethene	10.662	95	3393m	0.76	ug/kg	
66) tetrachloroethene	12.852	166	3227m	0.68	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

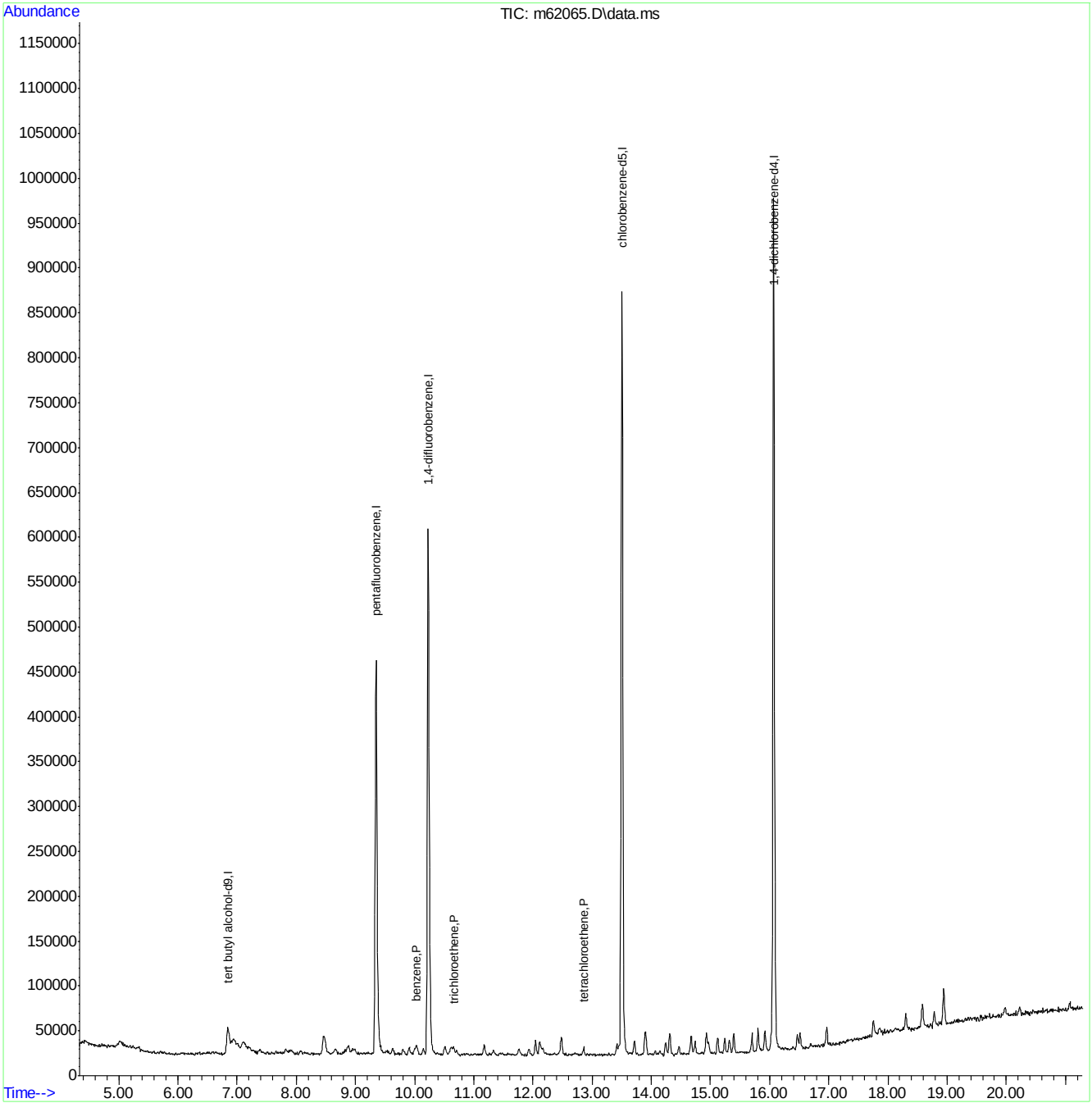
7.6.12

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62065.D
Acq On : 11 Dec 2013 2:53 pm
Operator : krystend
Sample : IC2169-0.5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

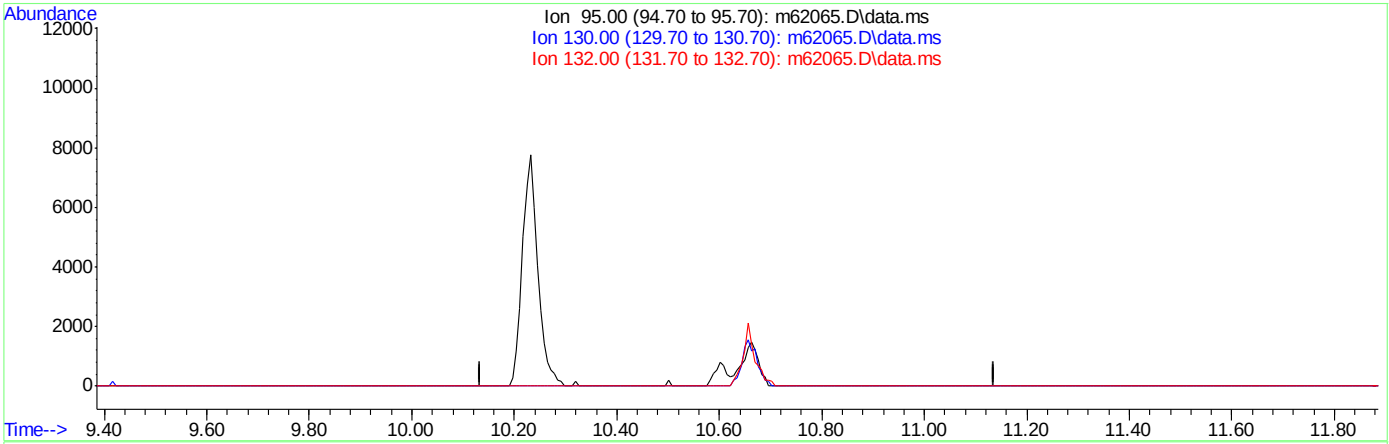
Quant Time: Dec 11 17:19:04 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:18:01 2013
Response via : Initial Calibration

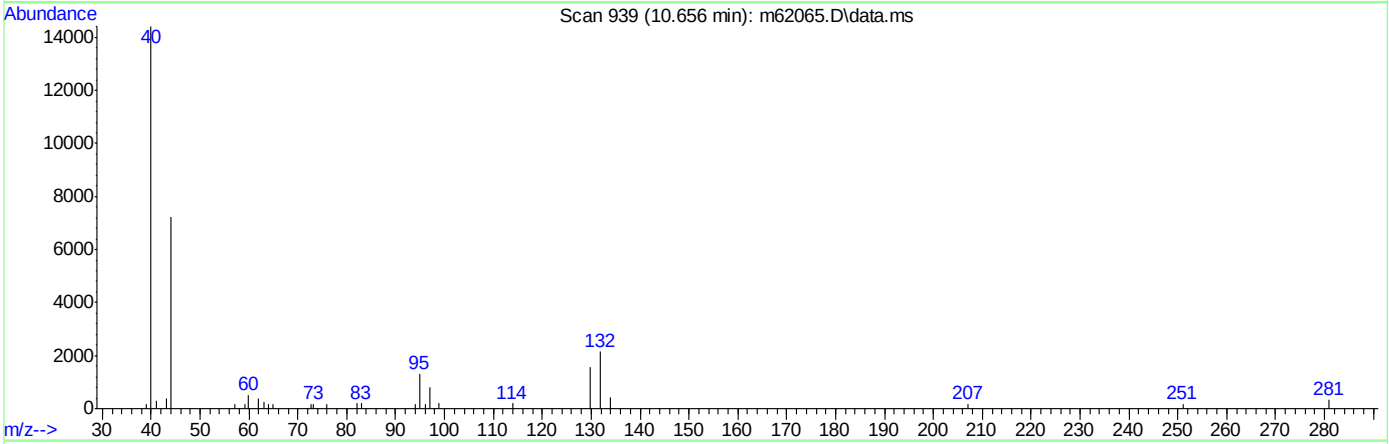


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62065.D
Acq On : 11 Dec 2013 2:53 pm
Operator : krystend
Sample : IC2169-0.5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 11 17:18:09 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:18:01 2013
Response via : Initial Calibration





TIC: m62065.D\data.ms

(50) trichloroethene (P)

10.656min (-10.656) 0.00ug/kg

response 0

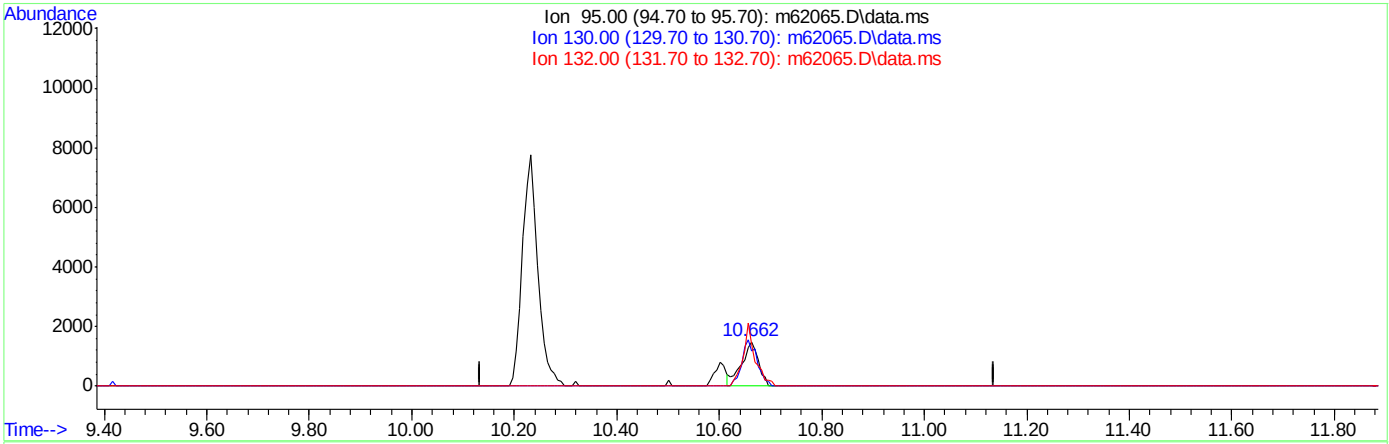
Ion	Exp%	Act%
95.00	100	0.00
130.00	118.40	0.00#
132.00	107.70	0.00#
0.00	0.00	0.00

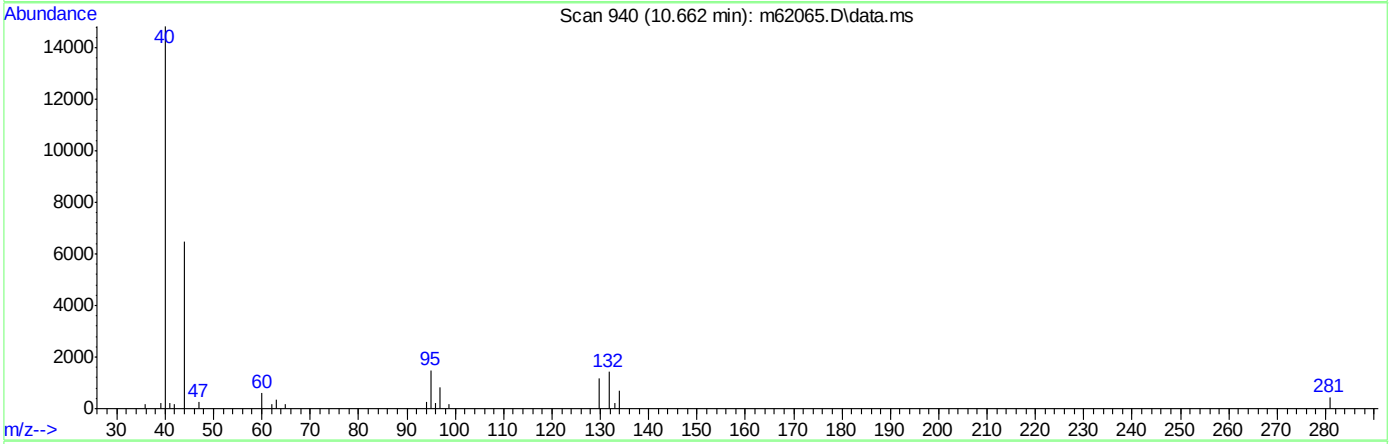
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62065.D
Acq On : 11 Dec 2013 2:53 pm
Operator : krystend
Sample : IC2169-0.5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 11 17:18:09 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:18:01 2013
Response via : Initial Calibration





TIC: m62065.D\data.ms

(50) trichloroethene (P)

10.662min (+0.007) 0.76ug/kg m

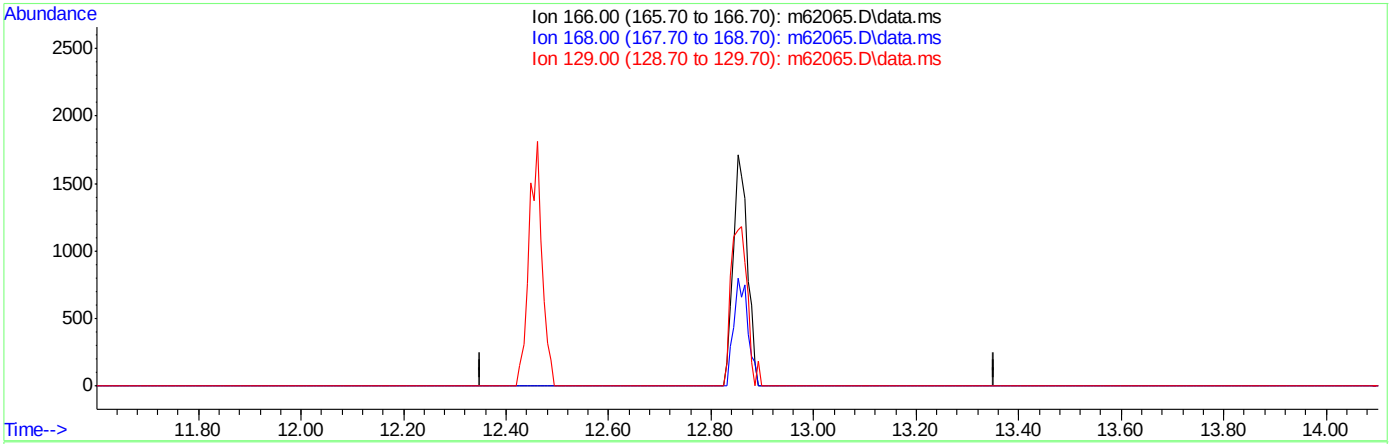
response 3393

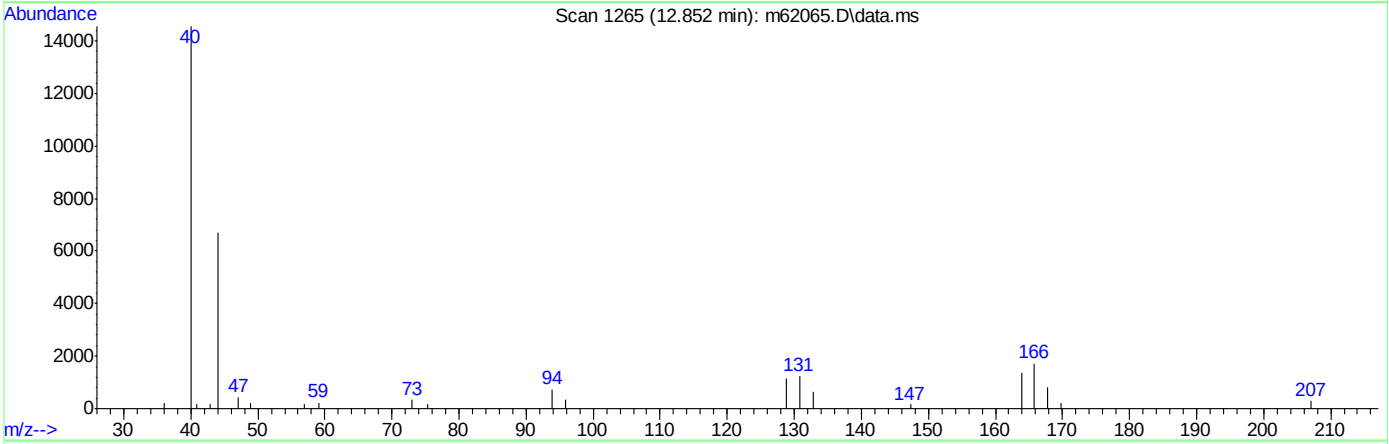
Ion	Exp%	Act%
95.00	100	100
130.00	118.40	79.23#
132.00	107.70	95.23
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62065.D
Acq On : 11 Dec 2013 2:53 pm
Operator : krystend
Sample : IC2169-0.5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 11 17:18:09 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:18:01 2013
Response via : Initial Calibration





TIC: m62065.D\data.ms

(66) tetrachloroethene (P)

12.852min (-12.852) 0.00ug/kg

response 0

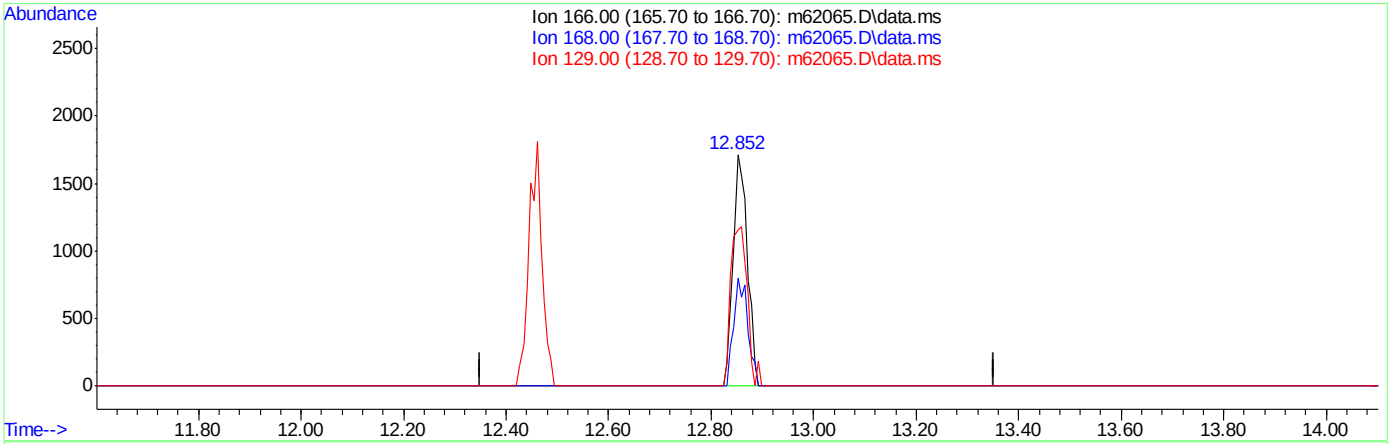
Ion	Exp%	Act%
166.00	100	0.00
168.00	46.00	0.00#
129.00	79.60	0.00#
0.00	0.00	0.00

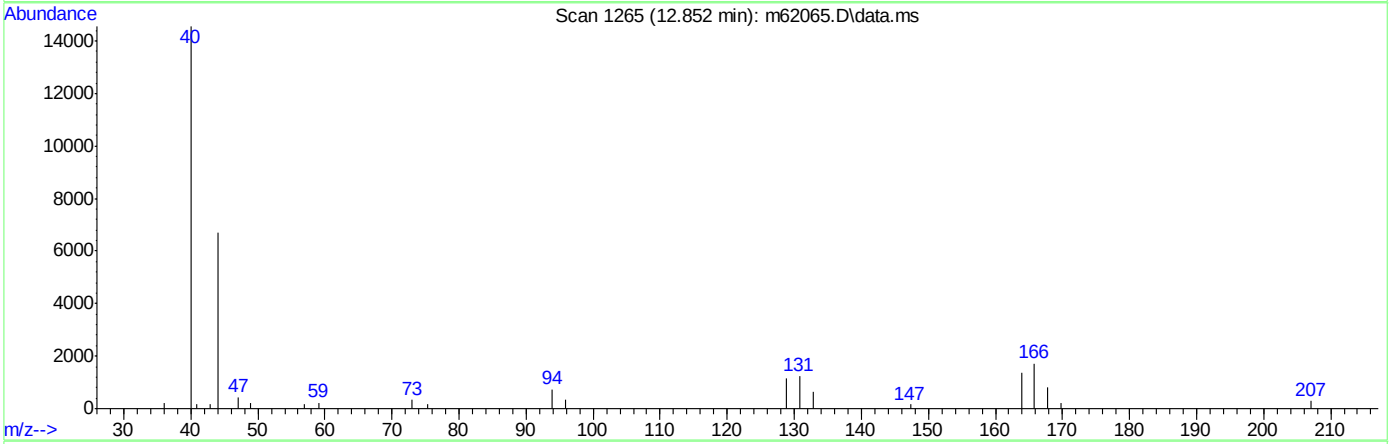
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62065.D
Acq On : 11 Dec 2013 2:53 pm
Operator : krystend
Sample : IC2169-0.5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 11 17:18:09 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:18:01 2013
Response via : Initial Calibration





TIC: m62065.D\data.ms

(66) tetrachloroethene (P)

12.852min (+0.000) 0.68ug/kg m

response 3227

Ion	Exp%	Act%
166.00	100	100
168.00	46.00	46.62
129.00	79.60	67.44
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26964

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/12/13 11:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62066.D
Acq On : 11 Dec 2013 3:23 pm
Operator : krystend
Sample : IC2169-5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 12 08:42:07 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:19:12 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	138384	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	396082	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	632830	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	269063	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.065	152	319843	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	24704	6.47	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 12.94%#			
59) toluene-d8 (s)		12.043	98	85817	6.38	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 12.76%#			
81) bromofluorobenzene (s)		14.731	95	33217	5.67	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 11.34%#			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	22037	46.62	ug/kg	78
3) Ethanol		5.637	45	18117	498.20	ug/kg#	40
5) dichlorodifluoromethane		4.438	85	20786	5.47	ug/kg	83
6) chloromethane		4.714	50	33407	4.89	ug/kg	89
7) vinyl chloride		4.970	62	29607	4.87	ug/kg	96
8) bromomethane	...	5.495	96	19695	4.85	ug/kg	94
9) chloroethane		5.671	64	11552	4.62	ug/kg	71
10) ethyl ether		6.593	59	16689	5.40	ug/kg	96
11) acetonitrile		6.600	41	5165	6.00	ug/kg#	52
12) trichlorofluoromethane		6.337	101	34737	5.19	ug/kg	99
13) freon-113		7.146	101	16771	5.75	ug/kg	97
14) acrolein		6.364	56	23027	25.93	ug/kg	86
15) 1,1-dichloroethene		6.950	96	19908	4.76	ug/kg	94
17) Methyl Acetate		7.186	43	20779	4.86	ug/kg	88
18) methylene chloride		7.112	84	25054	5.87	ug/kg	85
19) methyl tert butyl ether		7.907	73	45873	5.40	ug/kg	100
20) acrylonitrile		7.092	53	7780	4.39	ug/kg	100
21) allyl chloride		7.206	41	41429	6.16	ug/kg	94
22) trans-1,2-dichloroethene		7.813	96	23282	5.55	ug/kg	99
23) iodomethane		7.004	142	38025	5.74	ug/kg	93
24) carbon disulfide		7.388	76	63561	6.33	ug/kg	99
25) propionitrile		8.244	54	2518m	4.14	ug/kg	
26) vinyl acetate		8.217	43	41557	5.87	ug/kg	96
27) chloroprene		8.446	53	36547	5.97	ug/kg	99
28) di-isopropyl ether		8.480	45	89433	5.49	ug/kg	99
29) methacrylonitrile		8.635	41	14846	5.65	ug/kg	94
30) 2-butanone		8.587	72	2144m	3.22	ug/kg	
31) 1,1-dichloroethane		8.069	63	39527	5.53	ug/kg	98
32) tert-butyl ethyl ether		8.891	59	55301	5.51	ug/kg	99
33) isobutyl alcohol		8.884	43	13032m	20.86	ug/kg	
34) 2,2-dichloropropane		8.951	77	24986	5.86	ug/kg	91
35) cis-1,2-dichloroethene		8.661	96	27360	5.51	ug/kg	84
36) ethyl acetate		8.884	43	17290	6.51	ug/kg	97
37) bromochloromethane		8.823	128	14056	5.67	ug/kg	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62066.D
Acq On : 11 Dec 2013 3:23 pm
Operator : krystend
Sample : IC2169-5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 12 08:42:07 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:19:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) chloroform	8.864	83	39561	5.74	ug/kg	89
40) Tetrahydrofuran	9.207	42	10219	6.71	ug/kg	92
41) 1,1,1-trichloroethane	9.625	97	32592	5.77	ug/kg	90
43) Cyclohexane	9.914	56	44302	5.93	ug/kg	95
44) carbon tetrachloride	10.002	117	32103	5.91	ug/kg	90
45) 1,1-dichloropropene	9.800	75	28553	5.71	ug/kg	97
46) benzene	10.029	78	88443	4.80	ug/kg	98
47) 1,2-dichloroethane	9.530	62	30833	6.10	ug/kg	96
48) tert-amyl methyl ether	10.143	73	43913	5.86	ug/kg	97
49) heptane	10.507	43	45590	5.75	ug/kg	96
50) trichloroethene	10.662	95	27007	5.15	ug/kg	97
51) 1,2-dichloropropane	10.622	63	25825	5.86	ug/kg	98
52) dibromomethane	10.602	93	14742	5.54	ug/kg	92
53) bromodichloromethane	10.709	83	30508	5.75	ug/kg	95
54) Methylcyclohexane	11.174	83	39732	5.78	ug/kg	99
55) 2-chloroethyl vinyl ether	11.093	63	6293	5.86	ug/kg#	48
56) methyl methacrylate	10.810	69	13626	5.47	ug/kg	89
57) 1,4-dioxane	10.817	88	454m	11.27	ug/kg	
58) cis-1,3-dichloropropene	11.329	75	35812	5.85	ug/kg	95
60) 4-methyl-2-pentanone	11.430	43	27793	5.32	ug/kg#	90
61) toluene	12.111	92	57996	5.84	ug/kg	98
62) trans-1,3-dichloropropene	11.753	75	28191	5.42	ug/kg	98
63) 1,1,2-trichloroethane	11.922	83	16899	5.68	ug/kg	92
64) ethyl methacrylate	12.131	69	24062	4.95	ug/kg	76
66) tetrachloroethene	12.858	166	28398	5.33	ug/kg	96
67) 1,3-dichloropropane	12.164	76	31436	5.60	ug/kg	99
68) dibromochloromethane	12.454	129	28394	5.65	ug/kg	94
69) 1,2-dibromoethane	12.710	107	22368	5.65	ug/kg	99
70) 2-hexanone	12.299	43	26846	6.06	ug/kg#	60
71) chlorobenzene	13.539	112	76521	5.70	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.458	131	26961	5.68	ug/kg	99
73) ethylbenzene	13.714	91	115696	5.98	ug/kg	96
74) m,p-xylene	13.896	106	96583	11.94	ug/kg	96
75) o-xylene	14.313	106	48261	5.81	ug/kg	92
76) styrene	14.239	104	77635	5.95	ug/kg	98
77) bromoform	14.071	173	18207	5.34	ug/kg	91
78) trans-1,4-dichloro-2-b...	14.461	53	9022	6.11	ug/kg	95
80) isopropylbenzene	14.670	105	127572	5.87	ug/kg	97
82) bromobenzene	14.967	156	33942	5.61	ug/kg	95
83) 1,1,2,2-tetrachloroethane	14.313	83	28834	5.46	ug/kg	97
84) 1,2,3-trichloropropane	14.461	75	28893	5.18	ug/kg	96
85) n-propylbenzene	15.122	91	139610	5.87	ug/kg	100
86) 2-chlorotoluene	15.243	91	85908	5.76	ug/kg	99
87) 4-chlorotoluene	15.317	91	86077	5.83	ug/kg	97
88) 1,3,5-trimethylbenzene	15.391	105	105752	5.88	ug/kg	98
89) tert-butylbenzene	15.701	91	58364	5.82	ug/kg	96
90) 1,2,4-trimethylbenzene	15.802	105	104829	5.85	ug/kg	96
91) sec-butylbenzene	15.923	105	146230	5.79	ug/kg	96
92) 1,3-dichlorobenzene	16.031	146	67633	5.55	ug/kg	97
93) p-isopropyltoluene	16.092	119	127213	5.77	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62066.D
Acq On : 11 Dec 2013 3:23 pm
Operator : krystend
Sample : IC2169-5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 12 08:42:07 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:19:12 2013
Response via : Initial Calibration

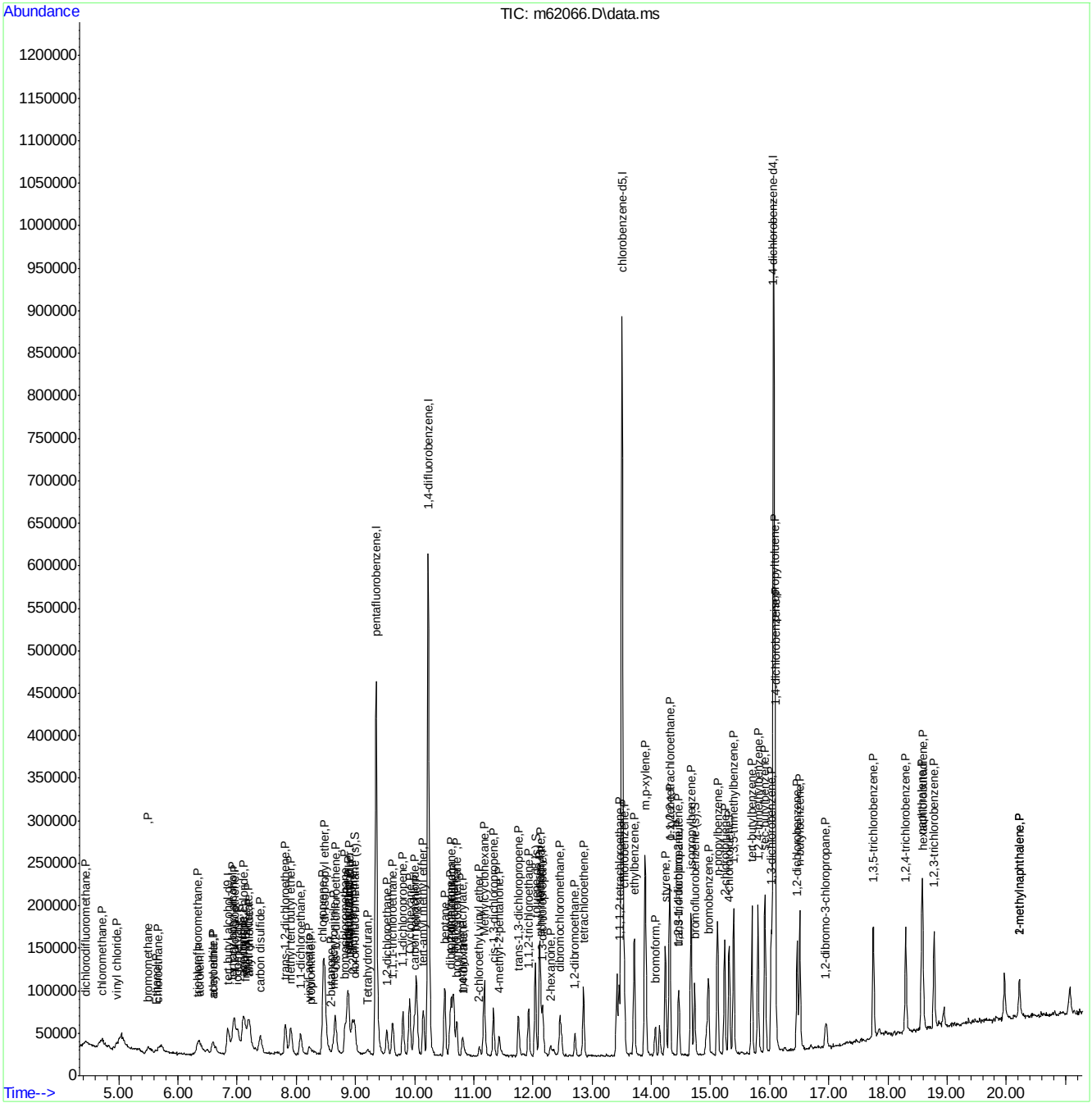
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) 1,4-dichlorobenzene	16.098	146	70512	5.73	ug/kg	99
95) 1,2-dichlorobenzene	16.469	146	67322	5.59	ug/kg	98
96) n-butylbenzene	16.509	91	106583	5.74	ug/kg	95
97) 1,2-dibromo-3-chloropr...	16.947	75	7051	6.70	ug/kg	97
98) 1,3,5-trichlorobenzene	17.756	180	50612	5.84	ug/kg	97
99) 1,2,4-trichlorobenzene	18.301	180	45953	5.47	ug/kg	95
100) hexachlorobutadiene	18.591	225	22851	5.78	ug/kg	99
101) naphthalene	18.577	128	123035	5.38	ug/kg	100
102) 1,2,3-trichlorobenzene	18.780	180	44866	5.53	ug/kg	98
103) 2-methylnaphthalene	20.221	142	29970	2.13	ug/kg	93
104) 1-methylnaphthalene	20.221	TIC	165182	3.07	ug/kg#	80

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62066.D
Acq On : 11 Dec 2013 3:23 pm
Operator : krystend
Sample : IC2169-5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

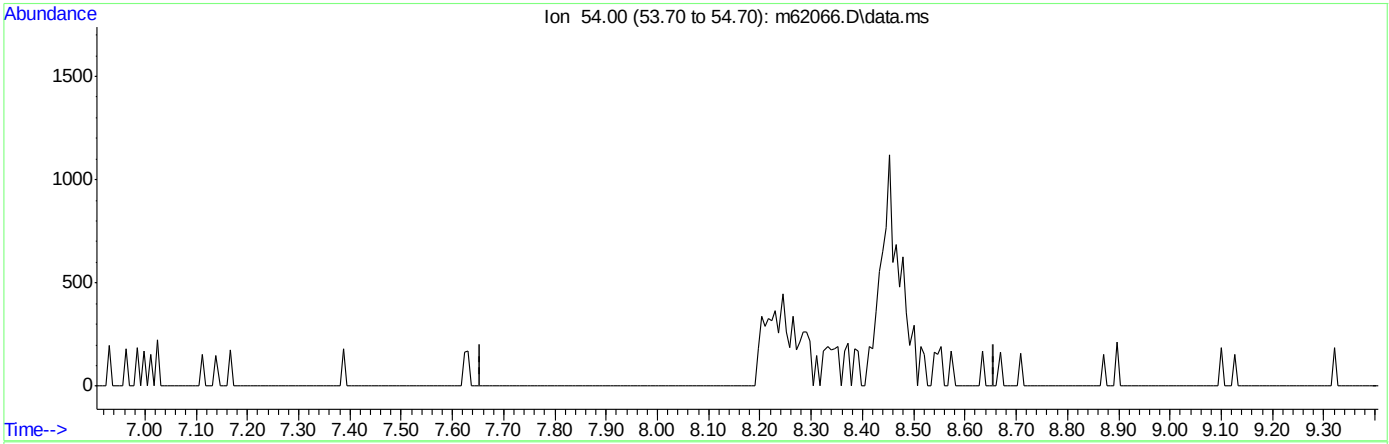
Quant Time: Dec 12 08:42:07 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:19:12 2013
Response via : Initial Calibration

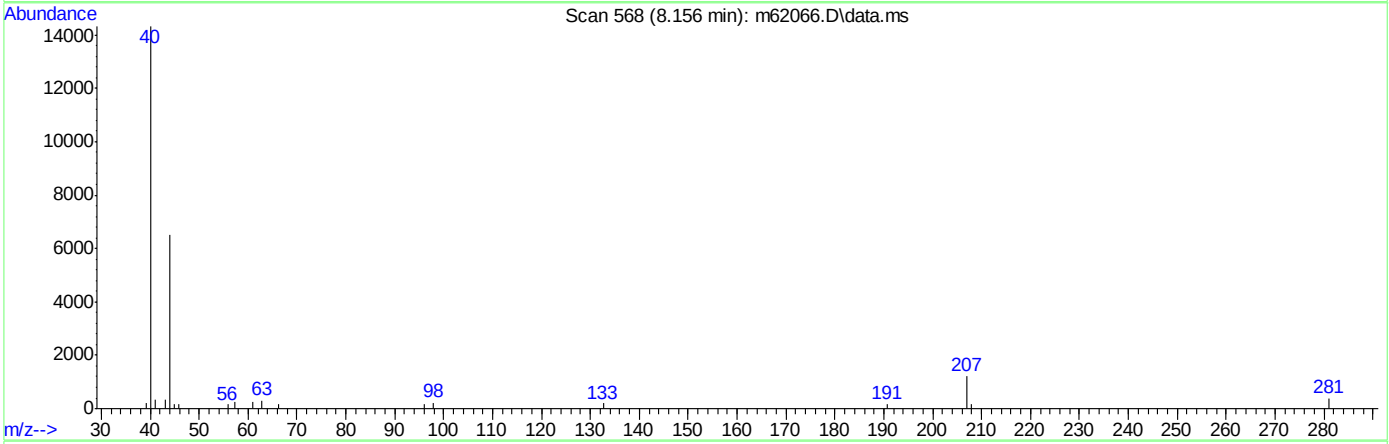


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62066.D
Acq On : 11 Dec 2013 3:23 pm
Operator : krystend
Sample : IC2169-5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 11 17:19:21 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:19:12 2013
Response via : Initial Calibration





TIC: m62066.D\data.ms

(25) propionitrile (P)

8.156min (-8.156) 0.00ug/kg

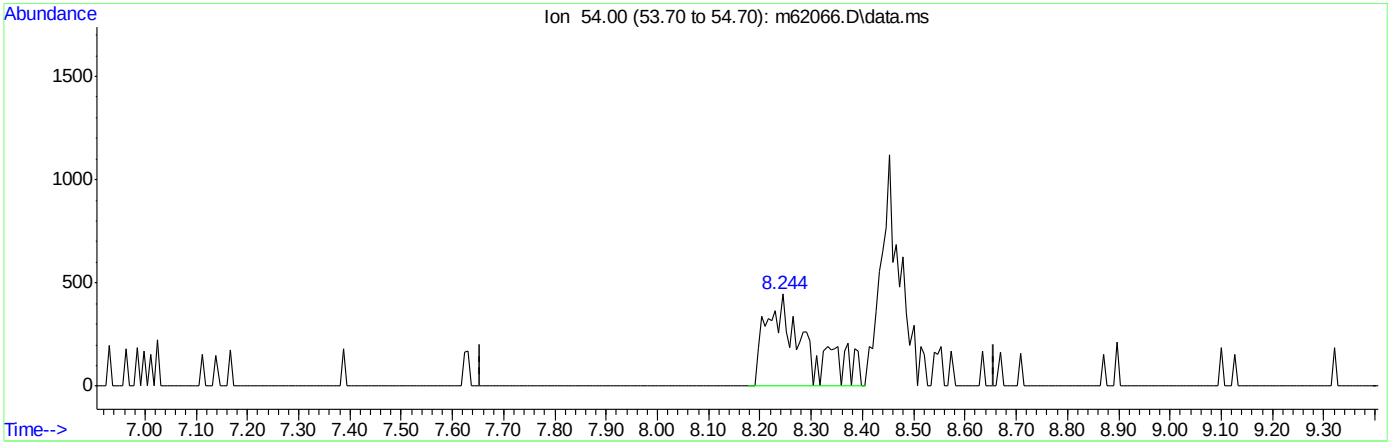
response 0

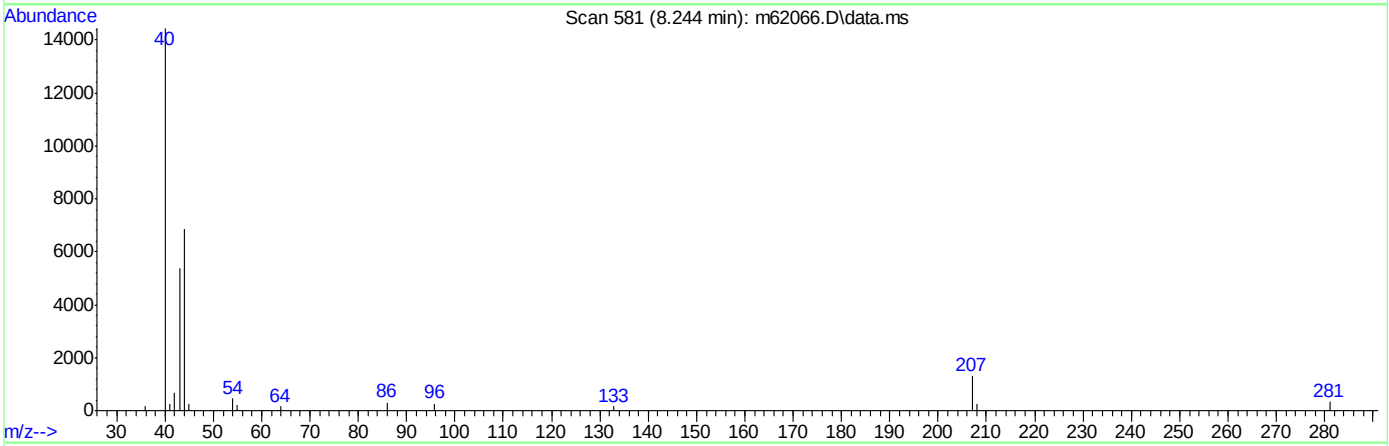
Ion	Exp%	Act%
54.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62066.D
Acq On : 11 Dec 2013 3:23 pm
Operator : krystend
Sample : IC2169-5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 11 17:19:21 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:19:12 2013
Response via : Initial Calibration





TIC: m62066.D\data.ms

(25) propionitrile (P)

8.244min (+0.088) 4.14ug/kg m

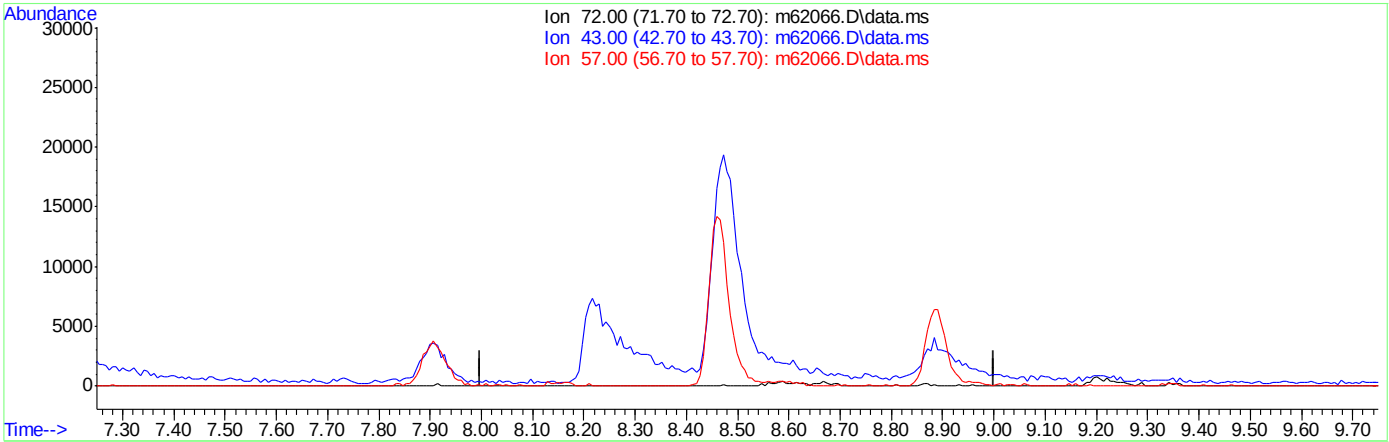
response 2518

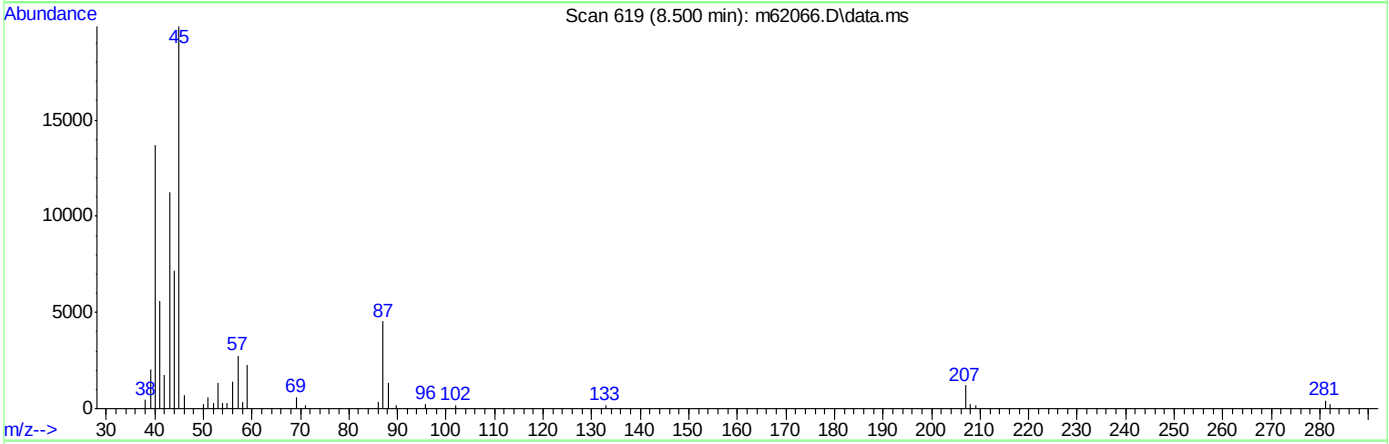
Ion	Exp%	Act%
54.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62066.D
Acq On : 11 Dec 2013 3:23 pm
Operator : krystend
Sample : IC2169-5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 11 17:19:21 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:19:12 2013
Response via : Initial Calibration





TIC: m62066.D\data.ms

(30) 2-butanone (P)

8.500min (-8.500) 0.00ug/kg

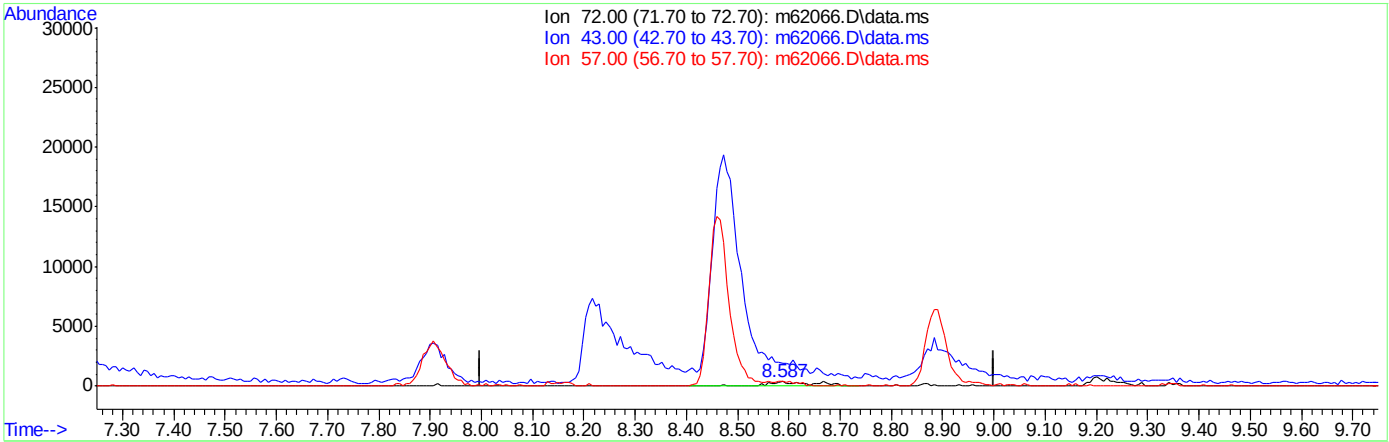
response 0

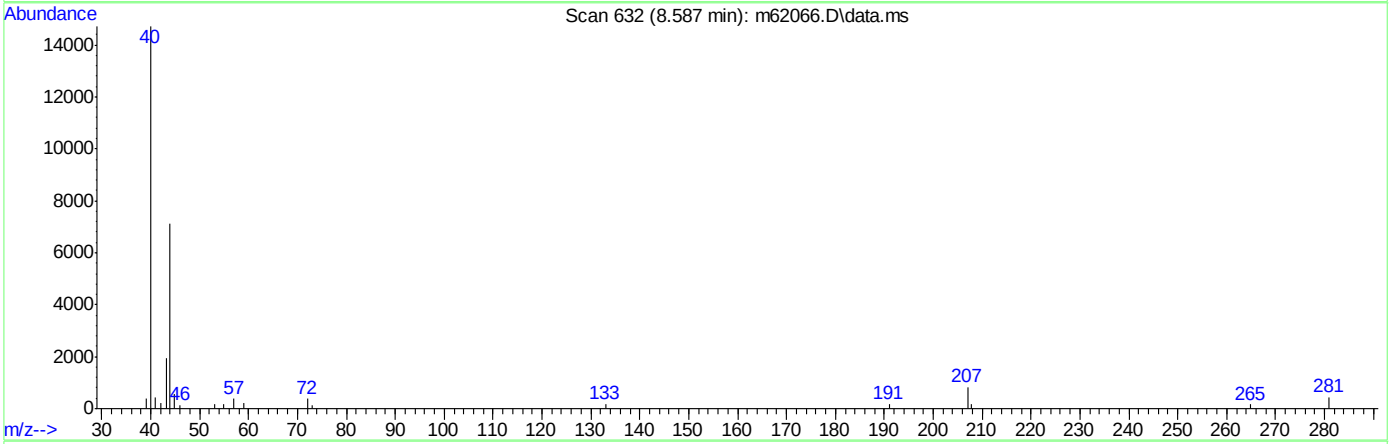
Ion	Exp%	Act%
72.00	100	0.00
43.00	1506.20	0.00#
57.00	189.40	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62066.D
Acq On : 11 Dec 2013 3:23 pm
Operator : krystend
Sample : IC2169-5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 11 17:19:21 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:19:12 2013
Response via : Initial Calibration





TIC: m62066.D\data.ms

(30) 2-butanone (P)

8.587min (+0.088) 3.22ug/kg m

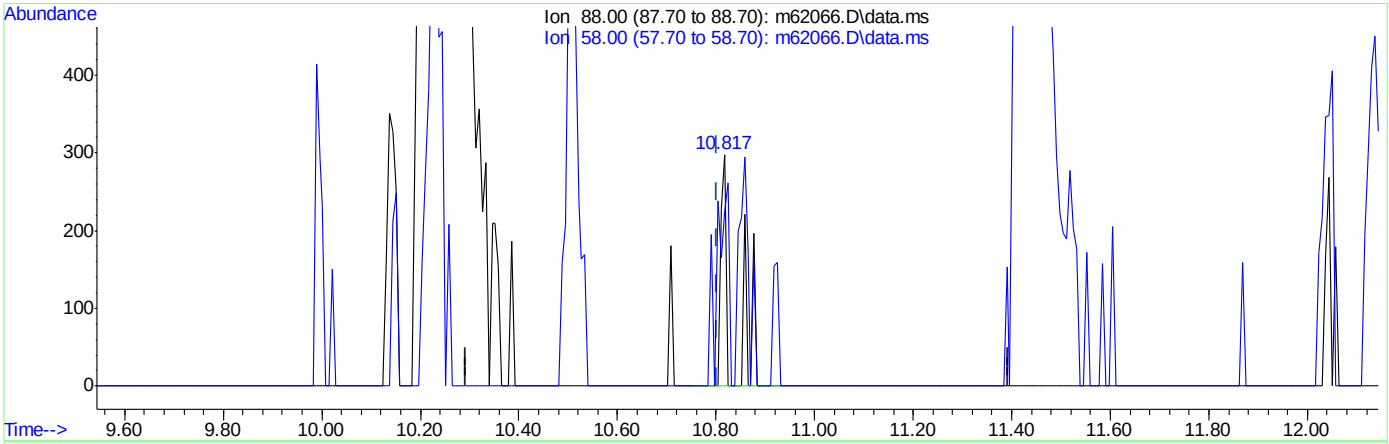
response 2144

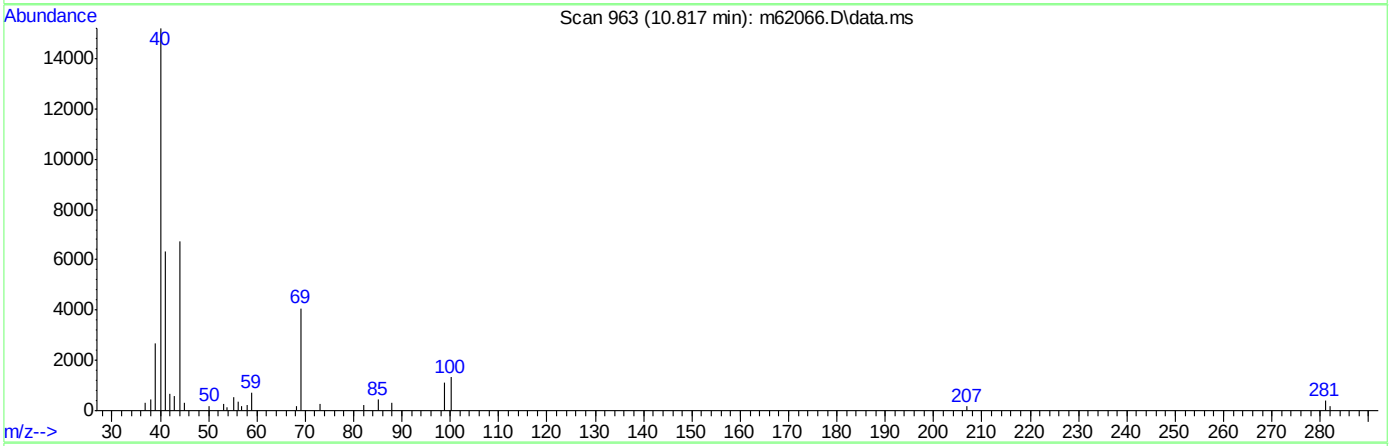
Ion	Exp%	Act%
72.00	100	100
43.00	1506.20	520.21#
57.00	189.40	98.40#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62066.D
Acq On : 11 Dec 2013 3:23 pm
Operator : krystend
Sample : IC2169-5
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 11 17:19:21 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:19:12 2013
Response via : Initial Calibration





TIC: m62066.D\data.ms

(57) 1,4-dioxane (P)

10.817min (+0.013) 9.45ug/kg m

response 381

Ion	Exp%	Act%
88.00	100	100
58.00	88.30	75.50
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/12/13 11:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62067.D
Acq On : 11 Dec 2013 3:52 pm
Operator : krystend
Sample : IC2169-10
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 12 08:42:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:05 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	146059	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	388009	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	623462	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	265305	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	314534	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	46879	11.42	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 22.84%#			
59) toluene-d8 (s)	12.037	98	168208	11.62	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 23.24%#			
81) bromofluorobenzene (s)	14.731	95	66150	11.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 22.00%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.924	59	54728	112.22	ug/kg	88
3) Ethanol	5.651	45	35655	930.08	ug/kg	99
5) dichlorodifluoromethane	4.418	85	33165	8.64	ug/kg	89
6) chloromethane	4.707	50	55771	8.40	ug/kg	89
7) vinyl chloride	4.963	62	56647	9.60	ug/kg	92
8) bromomethane ...	5.496	96	37667	9.56	ug/kg	91
9) chloroethane	5.657	64	28717m	12.19	ug/kg	
10) ethyl ether	6.580	59	32666	10.51	ug/kg	89
11) acetonitrile	6.600	41	9718	10.48	ug/kg	95
12) trichlorofluoromethane	6.338	101	64390	9.69	ug/kg	97
13) freon-113	7.139	101	35609	11.87	ug/kg	93
14) acrolein	6.351	56	45588	51.76	ug/kg	97
15) 1,1-dichloroethene	6.944	96	37109	9.20	ug/kg	97
16) acetone	6.553	58	8000	10.40	ug/kg#	83
17) Methyl Acetate	7.159	43	45353	10.93	ug/kg	87
18) methylene chloride	7.099	84	44133	9.97	ug/kg	97
19) methyl tert butyl ether	7.907	73	87855	10.28	ug/kg	94
20) acrylonitrile	7.045	53	17832	10.94	ug/kg	73
21) allyl chloride	7.193	41	82906	11.68	ug/kg	95
22) trans-1,2-dichloroethene	7.813	96	46800	10.98	ug/kg	99
23) iodomethane	7.011	142	76007	11.17	ug/kg	95
24) carbon disulfide	7.388	76	122430	11.43	ug/kg	98
25) propionitrile	8.177	54	5217m	9.59	ug/kg	
26) vinyl acetate	8.190	43	83792	11.42	ug/kg	93
27) chloroprene	8.439	53	72791	11.40	ug/kg	92
28) di-isopropyl ether	8.480	45	174492	10.59	ug/kg	97
29) methacrylonitrile	8.608	41	27485	10.23	ug/kg	93
30) 2-butanone	8.554	72	5545	10.34	ug/kg#	1
31) 1,1-dichloroethane	8.069	63	78104	10.78	ug/kg	97
32) tert-butyl ethyl ether	8.884	59	107669	10.59	ug/kg	99
33) isobutyl alcohol	8.891	43	26959m	42.54	ug/kg	
34) 2,2-dichloropropane	8.945	77	47134	10.67	ug/kg	97
35) cis-1,2-dichloroethene	8.655	96	51122	10.16	ug/kg	99
36) ethyl acetate	8.891	43	34913	12.19	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62067.D
Acq On : 11 Dec 2013 3:52 pm
Operator : krystend
Sample : IC2169-10
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 12 08:42:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:05 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.817	128	27670	10.91	ug/kg	96
38) chloroform	8.864	83	76599	10.81	ug/kg	98
40) Tetrahydrofuran	9.207	42	20083	11.49	ug/kg	99
41) 1,1,1-trichloroethane	9.632	97	63062	10.85	ug/kg	97
43) Cyclohexane	9.915	56	82897	10.61	ug/kg	96
44) carbon tetrachloride	9.995	117	64972	11.44	ug/kg	95
45) 1,1-dichloropropene	9.800	75	56623	10.97	ug/kg	99
46) benzene	10.029	78	176904	9.84	ug/kg	95
47) 1,2-dichloroethane	9.524	62	57278	10.72	ug/kg	98
48) tert-amyl methyl ether	10.144	73	82460	10.57	ug/kg	98
49) heptane	10.507	43	90115	10.99	ug/kg	94
50) trichloroethene	10.656	95	50840	9.77	ug/kg	94
51) 1,2-dichloropropane	10.622	63	50961	11.11	ug/kg	99
52) dibromomethane	10.602	93	29424	10.83	ug/kg	95
53) bromodichloromethane	10.710	83	59671	10.87	ug/kg	96
54) Methylcyclohexane	11.174	83	77868	10.92	ug/kg	92
55) 2-chloroethyl vinyl ether	11.094	63	12613	10.98	ug/kg#	48
56) methyl methacrylate	10.804	69	26759	10.58	ug/kg	97
57) 1,4-dioxane	10.817	88	1684m	61.55	ug/kg	
58) cis-1,3-dichloropropene	11.329	75	70652	11.09	ug/kg	98
60) 4-methyl-2-pentanone	11.424	43	52023	9.90	ug/kg	97
61) toluene	12.111	92	116340	11.26	ug/kg	97
62) trans-1,3-dichloropropene	11.754	75	57027	10.83	ug/kg	99
63) 1,1,2-trichloroethane	11.929	83	33297	10.87	ug/kg	96
64) ethyl methacrylate	12.124	69	50777	10.63	ug/kg	91
66) tetrachloroethene	12.852	166	56404	10.57	ug/kg	97
67) 1,3-dichloropropane	12.165	76	62365	10.84	ug/kg	98
68) dibromochloromethane	12.454	129	55504	10.73	ug/kg	95
69) 1,2-dibromoethane	12.710	107	44129	10.84	ug/kg	95
70) 2-hexanone	12.286	43	44131	9.43	ug/kg	97
71) chlorobenzene	13.539	112	154769	11.17	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.458	131	54616	11.16	ug/kg	94
73) ethylbenzene	13.707	91	226866	11.16	ug/kg	97
74) m,p-xylene	13.896	106	193654	22.81	ug/kg	96
75) o-xylene	14.307	106	98649	11.43	ug/kg	99
76) styrene	14.239	104	154472	11.29	ug/kg	94
77) bromoform	14.071	173	36677	10.67	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.462	53	17477	10.81	ug/kg	87
80) isopropylbenzene	14.671	105	256750	11.36	ug/kg	100
82) bromobenzene	14.967	156	66331	10.72	ug/kg	97
83) 1,1,2,2-tetrachloroethane	14.313	83	56623	10.58	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	58932	10.62	ug/kg	95
85) n-propylbenzene	15.115	91	281267	11.36	ug/kg	100
86) 2-chlorotoluene	15.236	91	173337	11.24	ug/kg	99
87) 4-chlorotoluene	15.317	91	171559	11.20	ug/kg	95
88) 1,3,5-trimethylbenzene	15.391	105	209184	11.18	ug/kg	95
89) tert-butylbenzene	15.701	91	115140	11.07	ug/kg	99
90) 1,2,4-trimethylbenzene	15.802	105	205588	11.05	ug/kg	100
91) sec-butylbenzene	15.923	105	288424	11.03	ug/kg	98
92) 1,3-dichlorobenzene	16.031	146	137932	11.10	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62067.D
Acq On : 11 Dec 2013 3:52 pm
Operator : krystend
Sample : IC2169-10
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 12 08:42:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:05 2013
Response via : Initial Calibration

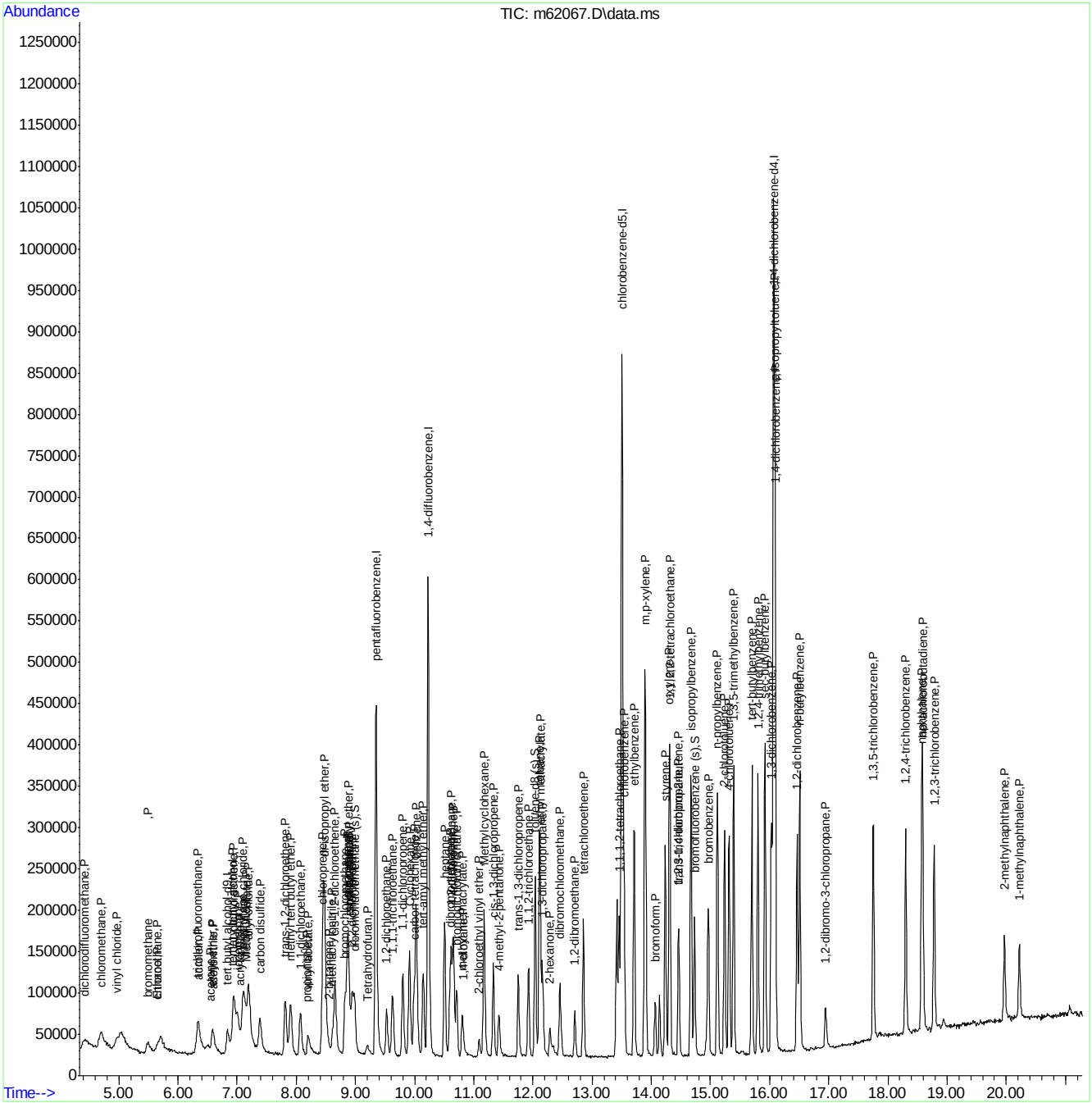
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.092	119	252175	11.06	ug/kg	98
94)	1,4-dichlorobenzene	16.099	146	141363	11.14	ug/kg	95
95)	1,2-dichlorobenzene	16.462	146	135269	10.99	ug/kg	98
96)	n-butylbenzene	16.510	91	211472	11.03	ug/kg	98
97)	1,2-dibromo-3-chloropr...	16.947	75	11997	9.91	ug/kg	97
98)	1,3,5-trichlorobenzene	17.756	180	100671	11.19	ug/kg	98
99)	1,2,4-trichlorobenzene	18.301	180	94014	11.04	ug/kg	95
100)	hexachlorobutadiene	18.591	225	43598	10.67	ug/kg	97
101)	naphthalene	18.571	128	253142	10.97	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	88607	10.72	ug/kg	100
103)	2-methylnaphthalene	19.972	142	71603	5.45	ug/kg	97
104)	1-methylnaphthalene	20.221	TIC	236155	4.15	ug/kg	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62067.D
Acq On : 11 Dec 2013 3:52 pm
Operator : krystend
Sample : IC2169-10
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

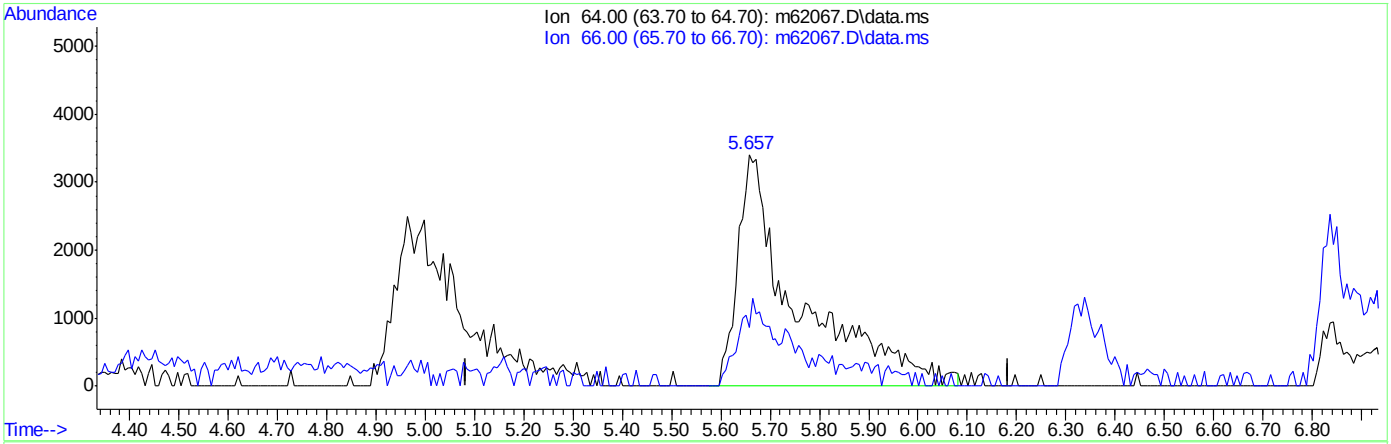
Quant Time: Dec 12 08:42:44 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:05 2013
Response via : Initial Calibration

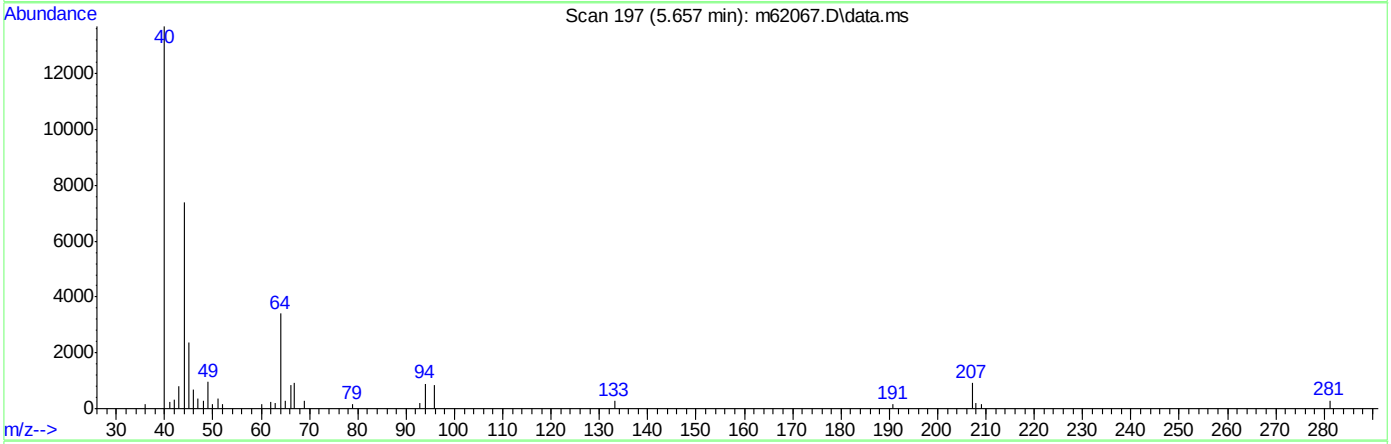


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62067.D
Acq On : 11 Dec 2013 3:52 pm
Operator : krystend
Sample : IC2169-10
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 11 17:20:15 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:05 2013
Response via : Initial Calibration





TIC: m62067.D\data.ms

(9) chloroethane (P)

5.657min (-0.007) 12.19ug/kg m

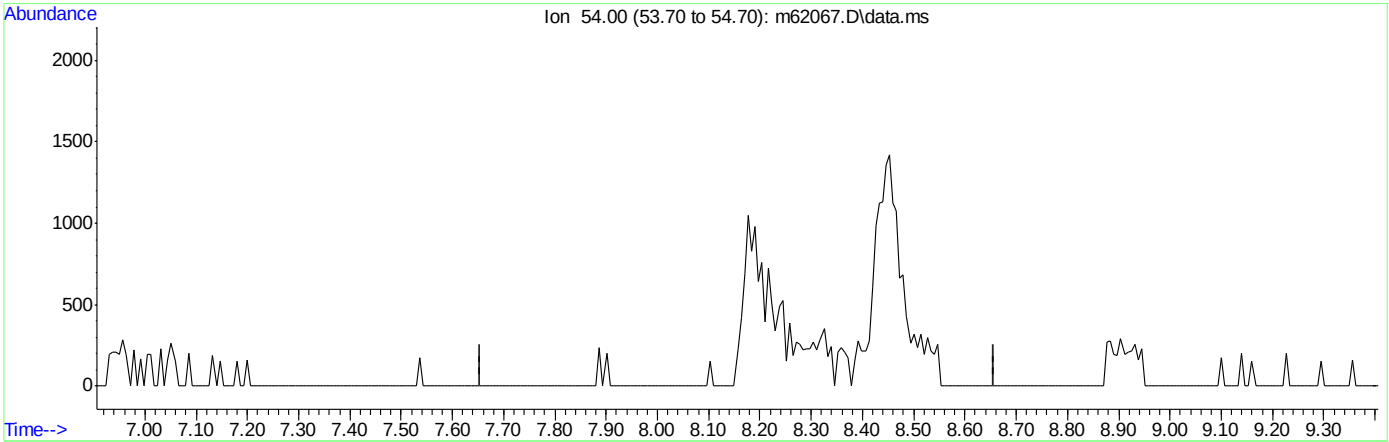
response 28717

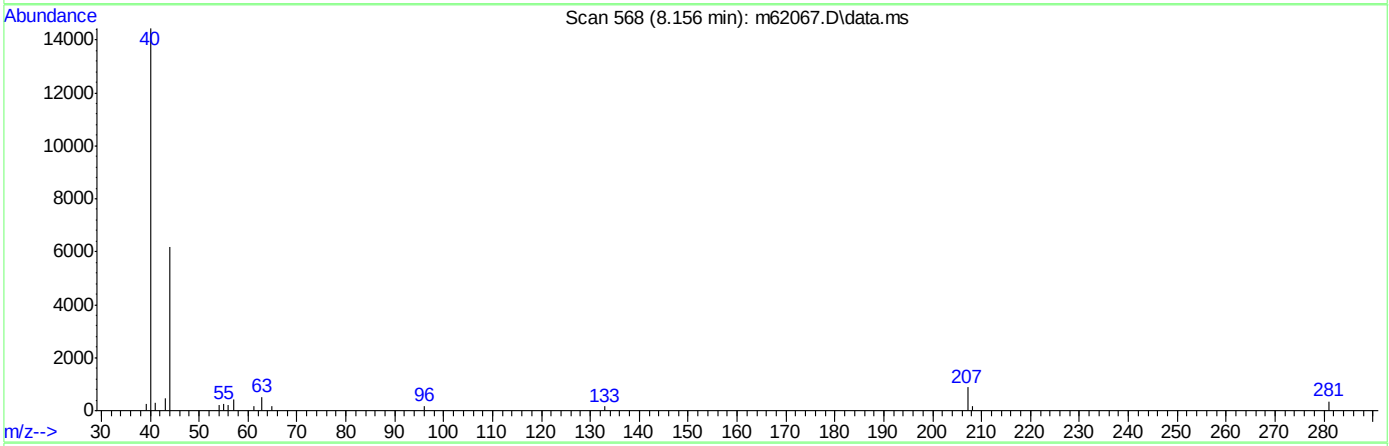
Ion	Exp%	Act%
64.00	100	100
66.00	28.60	25.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62067.D
Acq On : 11 Dec 2013 3:52 pm
Operator : krystend
Sample : IC2169-10
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 11 17:20:15 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:05 2013
Response via : Initial Calibration





TIC: m62067.D\data.ms

(25) propionitrile (P)

8.156min (-8.156) 0.00ug/kg

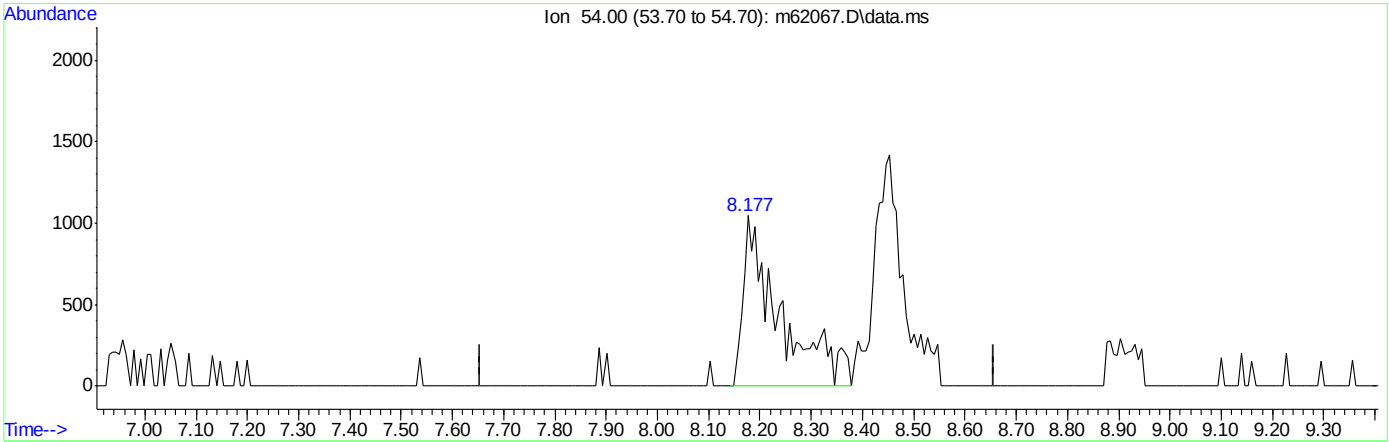
response 0

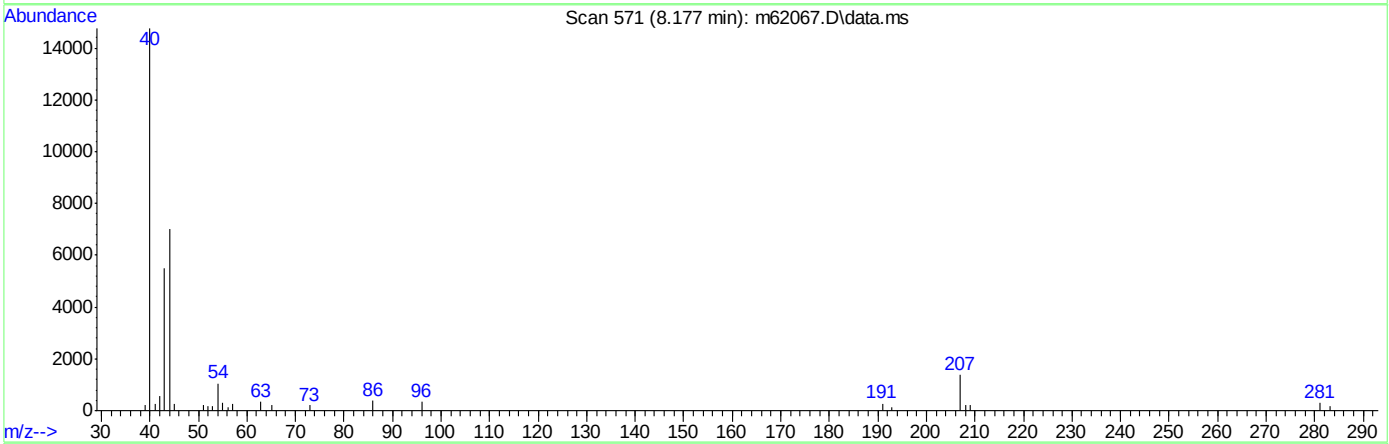
Ion	Exp%	Act%
54.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62067.D
Acq On : 11 Dec 2013 3:52 pm
Operator : krystend
Sample : IC2169-10
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 11 17:20:15 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:05 2013
Response via : Initial Calibration





TIC: m62067.D\data.ms

(25) propionitrile (P)

8.177min (+0.020) 9.59ug/kg m

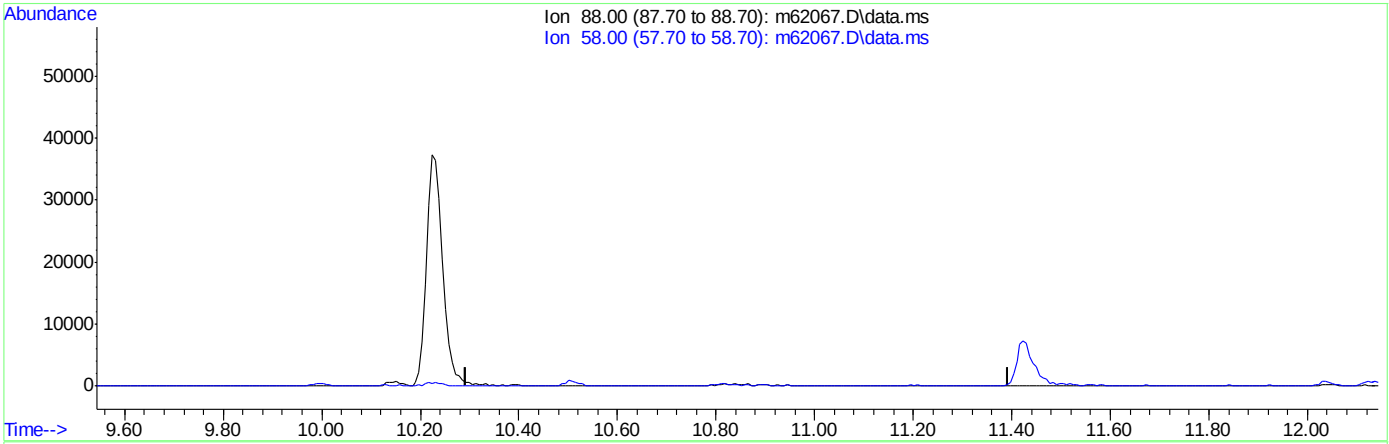
response 5217

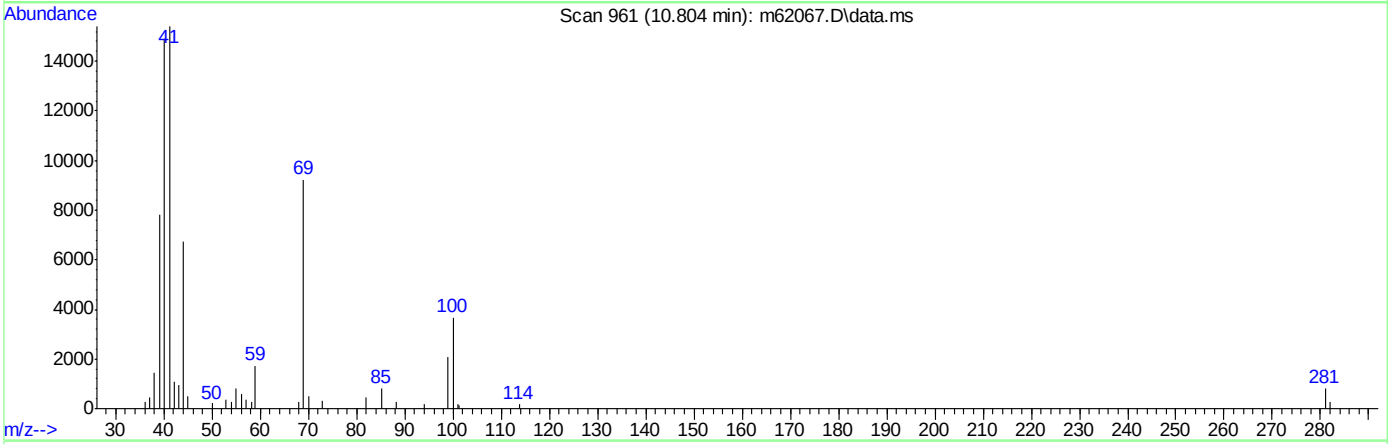
Ion	Exp%	Act%
54.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62067.D
Acq On : 11 Dec 2013 3:52 pm
Operator : krystend
Sample : IC2169-10
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 11 17:20:15 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:05 2013
Response via : Initial Calibration





TIC: m62067.D\data.ms

(57) 1,4-dioxane (P)

10.804min (-10.804) 0.00ug/kg

response 0

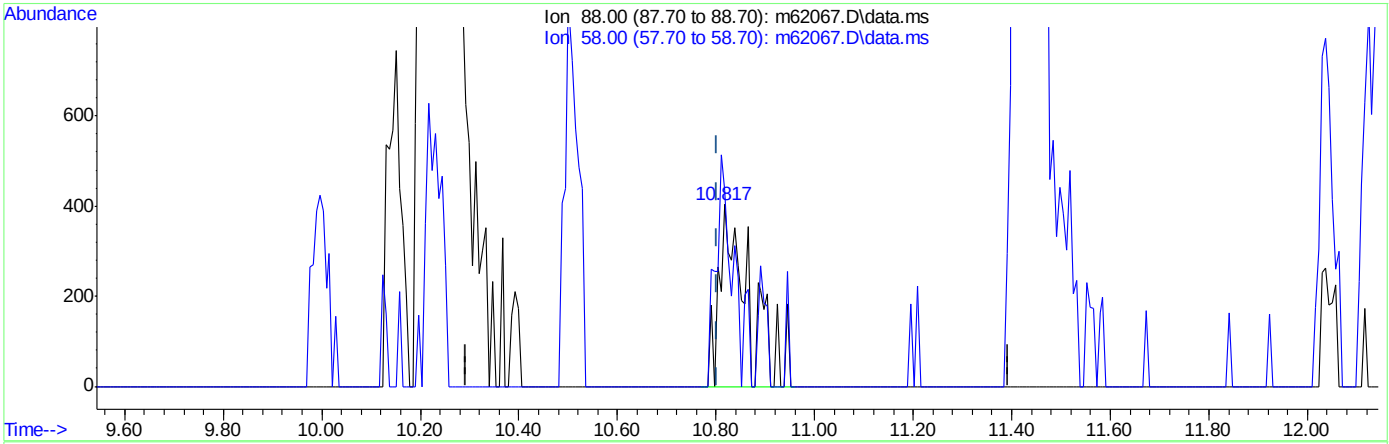
Ion	Exp%	Act%
88.00	100	0.00
58.00	88.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

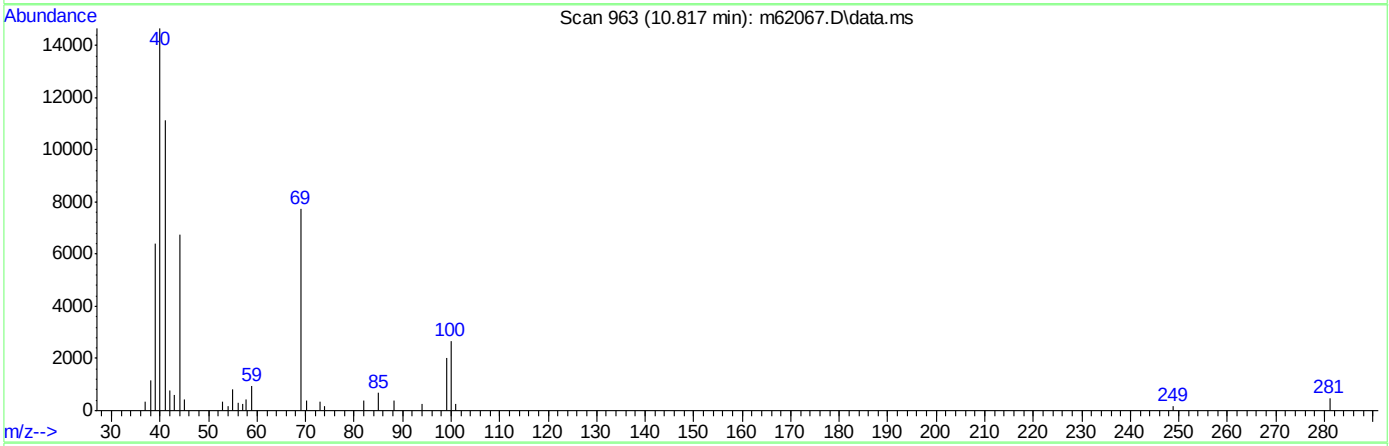
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62067.D
Acq On : 11 Dec 2013 3:52 pm
Operator : krystend
Sample : IC2169-10
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 11 17:20:15 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:05 2013
Response via : Initial Calibration





TIC: m62067.D\data.ms

(57) 1,4-dioxane (P)

10.817min (+0.014) 61.55ug/kg m

response 1684

Ion	Exp%	Act%
88.00	100	100
58.00	88.30	107.44
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26964

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/12/13 11:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62068.D
Acq On : 11 Dec 2013 4:22 pm
Operator : krystend
Sample : IC2169-20
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 12 08:43:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:50 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.843	65	139800	500.00	ug/kg	0.00
4) pentafluorobenzene		9.349	168	393679	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	640930	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	274966	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.065	152	321888	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.992	113	90707	21.03	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	42.06%#		
59) toluene-d8 (s)		12.037	98	332884	21.50	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	43.00%#		
81) bromofluorobenzene (s)		14.731	95	126076	19.98	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	39.96%#		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	102313	212.69	ug/kg	96
3) Ethanol		5.644	45	78121	2166.94	ug/kg	95
5) dichlorodifluoromethane		4.438	85	67395	17.91	ug/kg	100
6) chloromethane		4.701	50	108382	16.75	ug/kg	95
7) vinyl chloride		4.977	62	105657	17.83	ug/kg	98
8) bromomethane	...	5.502	96	69360	17.55	ug/kg	81
9) chloroethane		5.664	64	55797m	21.75	ug/kg	
10) ethyl ether		6.587	59	65657	20.56	ug/kg	95
11) acetonitrile		6.587	41	20988	21.95	ug/kg	83
12) trichlorofluoromethane		6.338	101	133956	20.03	ug/kg	97
13) freon-113		7.146	101	73209	22.98	ug/kg	95
14) acrolein		6.338	56	89000	98.73	ug/kg	97
15) 1,1-dichloroethene		6.944	96	68817	17.16	ug/kg	99
16) acetone		6.560	58	13159	16.53	ug/kg#	81
17) Methyl Acetate		7.146	43	91303	21.20	ug/kg	99
18) methylene chloride		7.105	84	85336	19.02	ug/kg	96
19) methyl tert butyl ether		7.907	73	171873	19.68	ug/kg	98
20) acrylonitrile		7.038	53	35144	20.60	ug/kg	85
21) allyl chloride		7.200	41	162231	21.62	ug/kg	98
22) trans-1,2-dichloroethene		7.820	96	83304	18.81	ug/kg	98
23) iodomethane		7.011	142	150667	21.20	ug/kg	94
24) carbon disulfide		7.388	76	228002	20.25	ug/kg	95
25) propionitrile		8.177	54	12887	23.66	ug/kg	100
26) vinyl acetate		8.183	43	179306	23.26	ug/kg	97
27) chloroprene		8.446	53	144259	21.51	ug/kg	97
28) di-isopropyl ether		8.480	45	337147	19.87	ug/kg	98
29) methacrylonitrile		8.614	41	54712	19.96	ug/kg	95
30) 2-butanone		8.520	72	12562	22.83	ug/kg#	74
31) 1,1-dichloroethane		8.069	63	156196	20.84	ug/kg	97
32) tert-butyl ethyl ether		8.884	59	216076	20.64	ug/kg	97
33) isobutyl alcohol		8.877	43	51627m	78.30	ug/kg	
34) 2,2-dichloropropane		8.951	77	89427	19.62	ug/kg	100
35) cis-1,2-dichloroethene		8.662	96	99648	19.45	ug/kg	91
36) ethyl acetate		8.877	43	66145m	21.58	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62068.D
Acq On : 11 Dec 2013 4:22 pm
Operator : krystend
Sample : IC2169-20
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 12 08:43:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:50 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	53994	20.52	ug/kg	95
38) chloroform	8.864	83	149560	20.39	ug/kg	99
40) Tetrahydrofuran	9.194	42	38021	20.43	ug/kg	96
41) 1,1,1-trichloroethane	9.625	97	124341	20.64	ug/kg	96
43) Cyclohexane	9.915	56	161808	19.84	ug/kg	99
44) carbon tetrachloride	9.995	117	128995	21.33	ug/kg	100
45) 1,1-dichloropropene	9.800	75	112264	20.65	ug/kg	99
46) benzene	10.029	78	345965	18.78	ug/kg	100
47) 1,2-dichloroethane	9.524	62	109013	19.49	ug/kg	97
48) tert-amyl methyl ether	10.150	73	161507	19.85	ug/kg	97
49) heptane	10.507	43	181308	20.98	ug/kg	99
50) trichloroethene	10.656	95	101835	19.12	ug/kg	97
51) 1,2-dichloropropane	10.622	63	98718	20.36	ug/kg	100
52) dibromomethane	10.602	93	56132	19.69	ug/kg	90
53) bromodichloromethane	10.709	83	117108	20.31	ug/kg	98
54) Methylcyclohexane	11.181	83	150775	20.11	ug/kg	96
55) 2-chloroethyl vinyl ether	11.087	63	24602	20.17	ug/kg	97
56) methyl methacrylate	10.804	69	52114	19.75	ug/kg	99
57) 1,4-dioxane	10.817	88	4068m	134.30	ug/kg	
58) cis-1,3-dichloropropene	11.329	75	140345	20.86	ug/kg	98
60) 4-methyl-2-pentanone	11.423	43	105276	19.54	ug/kg	99
61) toluene	12.111	92	228735	20.88	ug/kg	99
62) trans-1,3-dichloropropene	11.754	75	112106	20.29	ug/kg	96
63) 1,1,2-trichloroethane	11.929	83	65261	20.28	ug/kg	94
64) ethyl methacrylate	12.124	69	102815	20.62	ug/kg	97
66) tetrachloroethene	12.858	166	110767	19.80	ug/kg	95
67) 1,3-dichloropropane	12.164	76	123079	20.21	ug/kg	99
68) dibromochloromethane	12.454	129	111469	20.42	ug/kg	99
69) 1,2-dibromoethane	12.710	107	85809	19.92	ug/kg	96
70) 2-hexanone	12.286	43	79897	16.71	ug/kg	99
71) chlorobenzene	13.539	112	303084	20.51	ug/kg	100
72) 1,1,1,2-tetrachloroethane	13.458	131	109408	20.96	ug/kg	95
73) ethylbenzene	13.707	91	444839	20.52	ug/kg	99
74) m,p-xylene	13.896	106	383681	42.12	ug/kg	97
75) o-xylene	14.307	106	191981	20.72	ug/kg	97
76) styrene	14.239	104	306354	20.93	ug/kg	97
77) bromoform	14.064	173	72632	20.05	ug/kg	95
78) trans-1,4-dichloro-2-b...	14.462	53	33716	19.59	ug/kg#	84
80) isopropylbenzene	14.670	105	504533	21.09	ug/kg	98
82) bromobenzene	14.967	156	129057	20.02	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.313	83	109084	19.63	ug/kg	97
84) 1,2,3-trichloropropane	14.462	75	117921	20.45	ug/kg	99
85) n-propylbenzene	15.115	91	551719	21.06	ug/kg	98
86) 2-chlorotoluene	15.236	91	335983	20.65	ug/kg	99
87) 4-chlorotoluene	15.317	91	333141	20.63	ug/kg	97
88) 1,3,5-trimethylbenzene	15.391	105	420809	21.34	ug/kg	96
89) tert-butylbenzene	15.701	91	227106	20.78	ug/kg	99
90) 1,2,4-trimethylbenzene	15.802	105	410368	21.00	ug/kg	98
91) sec-butylbenzene	15.923	105	573246	20.89	ug/kg	100
92) 1,3-dichlorobenzene	16.031	146	264001	20.21	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62068.D
Acq On : 11 Dec 2013 4:22 pm
Operator : krystend
Sample : IC2169-20
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 12 08:43:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:50 2013
Response via : Initial Calibration

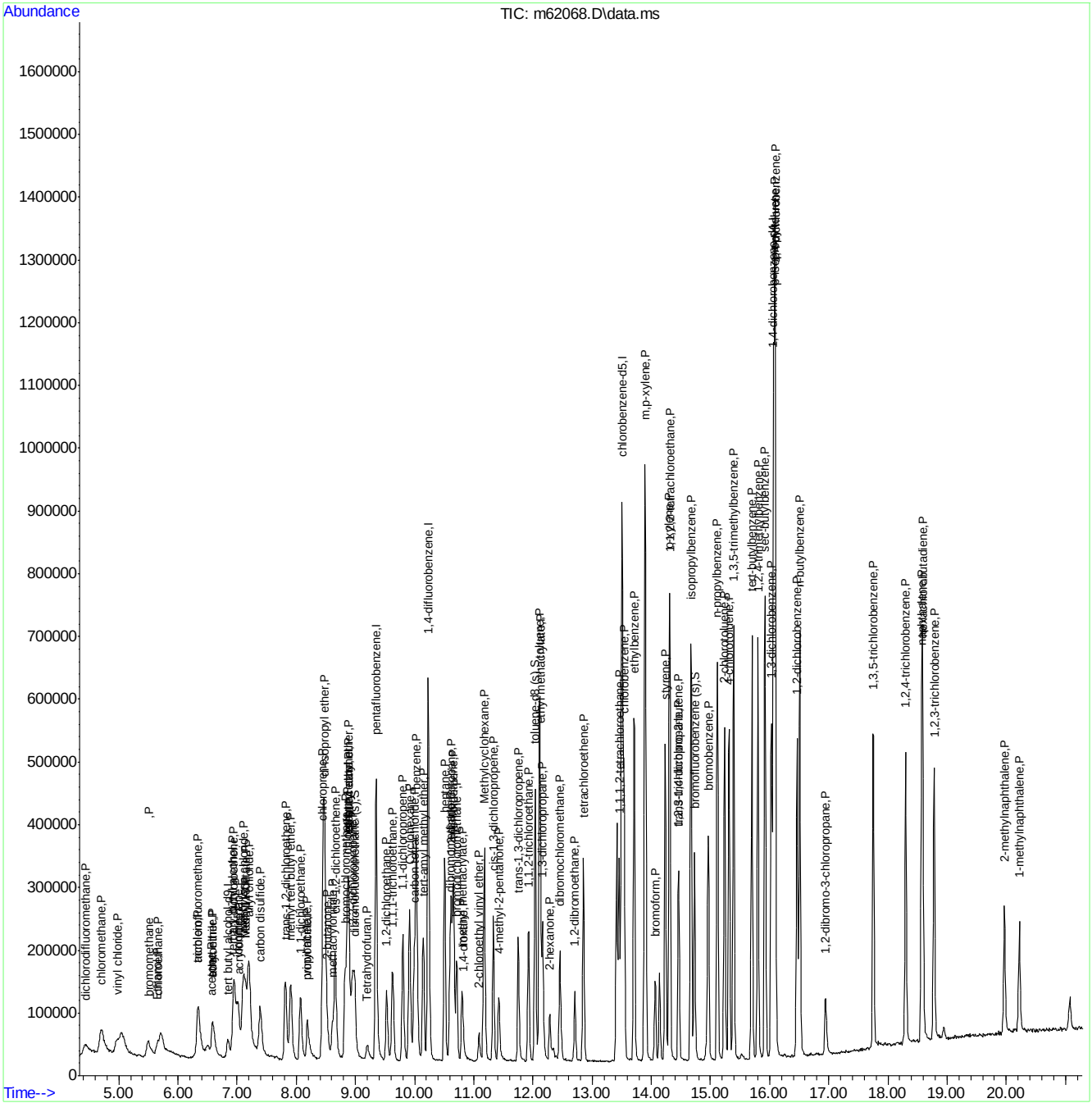
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	490572	20.48	ug/kg	98
94) 1,4-dichlorobenzene	16.099	146	269732	20.19	ug/kg	99
95) 1,2-dichlorobenzene	16.462	146	261359	20.25	ug/kg	100
96) n-butylbenzene	16.509	91	419602	20.85	ug/kg	97
97) 1,2-dibromo-3-chloropr...	16.947	75	23347	18.90	ug/kg	98
98) 1,3,5-trichlorobenzene	17.749	180	188493	19.88	ug/kg	99
99) 1,2,4-trichlorobenzene	18.301	180	179241	20.05	ug/kg	95
100) hexachlorobutadiene	18.591	225	85975	20.22	ug/kg	98
101) naphthalene	18.571	128	483717	20.00	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	172234	20.00	ug/kg	95
103) 2-methylnaphthalene	19.972	142	141421	10.29	ug/kg	100
104) 1-methylnaphthalene	20.221	TIC	444315	7.96	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62068.D
Acq On : 11 Dec 2013 4:22 pm
Operator : krystend
Sample : IC2169-20
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

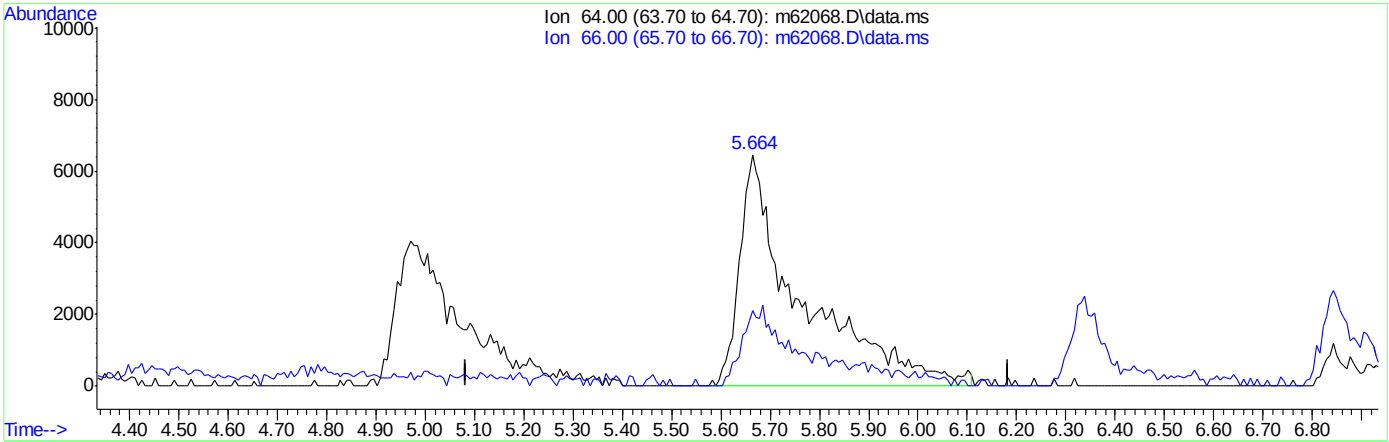
Quant Time: Dec 12 08:43:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:50 2013
Response via : Initial Calibration

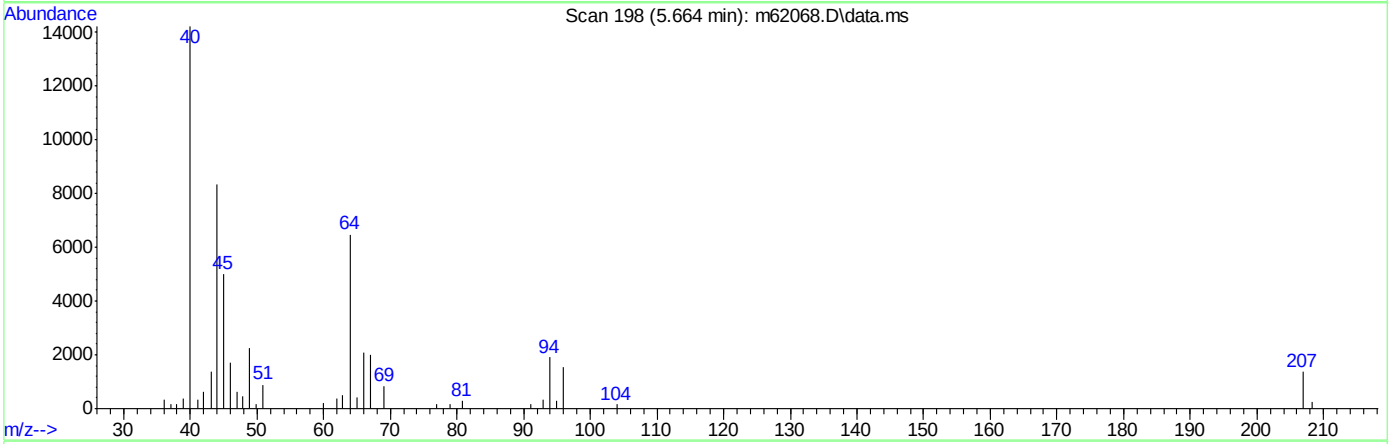


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62068.D
Acq On : 11 Dec 2013 4:22 pm
Operator : krystend
Sample : IC2169-20
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 11 17:20:58 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:50 2013
Response via : Initial Calibration





TIC: m62068.D\data.ms

(9) chloroethane (P)

5.664min (+0.000) 21.75ug/kg m

response 55797

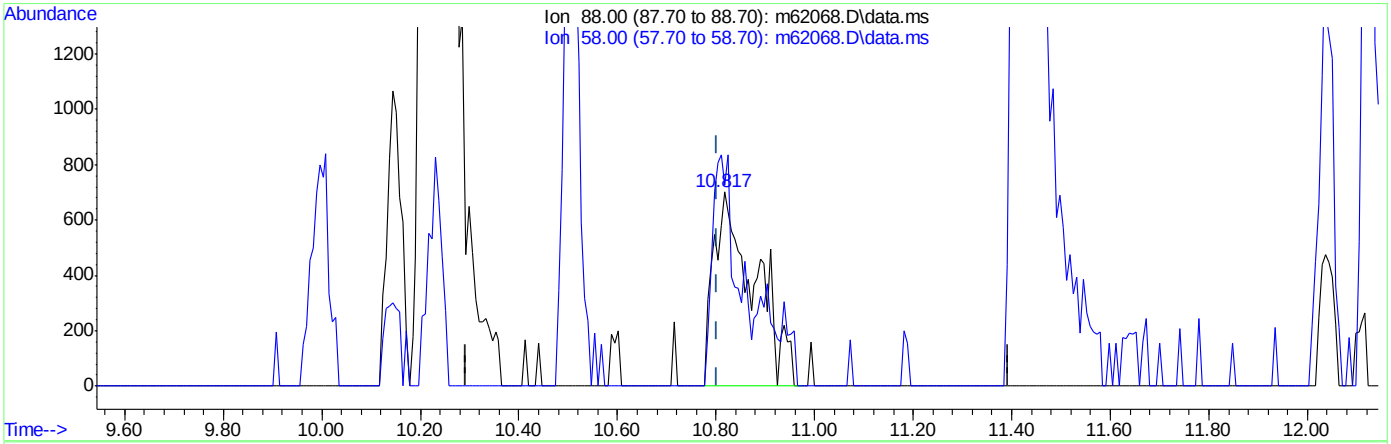
Ion	Exp%	Act%
64.00	100	100
66.00	28.60	32.43
0.00	0.00	0.00
0.00	0.00	0.00

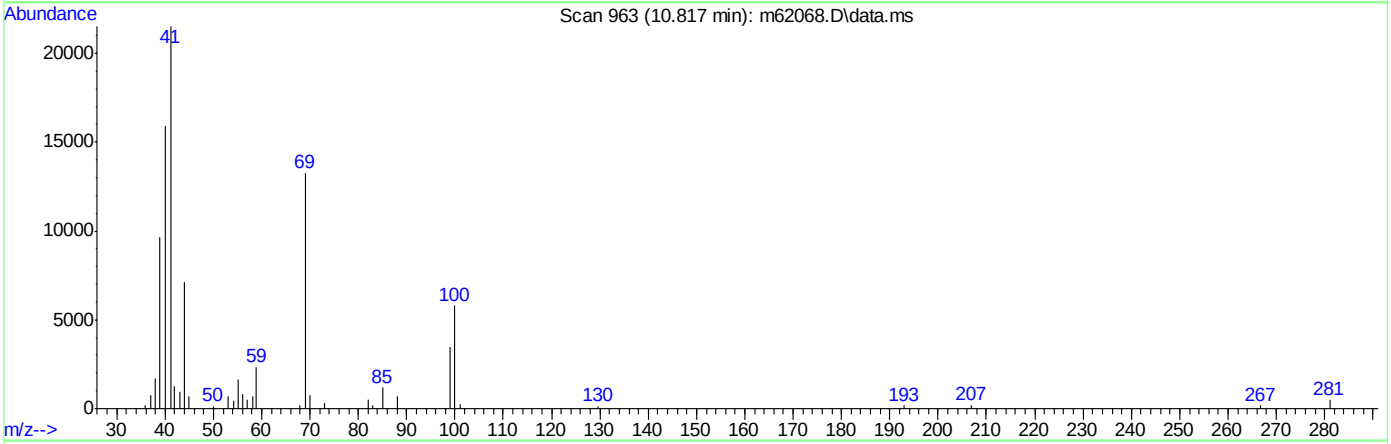
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62068.D
Acq On : 11 Dec 2013 4:22 pm
Operator : krystend
Sample : IC2169-20
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 11 17:20:58 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:20:50 2013
Response via : Initial Calibration





TIC: m62068.D\data.ms

(57) 1,4-dioxane (P)

10.817min (+0.014) 134.30ug/kg m

response 4068

Ion	Exp%	Act%
88.00	100	100
58.00	88.30	103.71
0.00	0.00	0.00
0.00	0.00	0.00

M62068.D edits: 1,4-dioxane
MC26964

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/12/13 11:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 12 08:59:46 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	147482	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	396753	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	648306	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	297580	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	332488	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	248094	56.49	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.98%			
59) toluene-d8 (s)	12.037	98	832707m	52.39	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.78%			
81) bromofluorobenzene (s)	14.731	95	358789	55.06	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.12%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	601640	1171.28	ug/kg	98
3) Ethanol	5.664	45	390880m	10113.83	ug/kg	
5) dichlorodifluoromethane	4.438	85	389543m	105.11	ug/kg	
6) chloromethane	4.707	50	549052	87.04	ug/kg	99
7) vinyl chloride	4.970	62	537582	92.00	ug/kg	97
8) bromomethane ...	5.495	96	324707m	83.56	ug/kg	
9) chloroethane	5.671	64	267608m	101.33	ug/kg	
10) ethyl ether	6.580	59	344736	106.51	ug/kg	97
11) acetonitrile	6.580	41	100568	101.89	ug/kg	95
12) trichlorofluoromethane	6.338	101	660179	97.76	ug/kg	100
13) freon-113	7.146	101	343646	104.09	ug/kg	97
14) acrolein	6.324	56	462575	510.42	ug/kg	100
15) 1,1-dichloroethene	6.951	96	374478	95.21	ug/kg	97
16) acetone	6.472	58	78758	108.46	ug/kg	97
17) Methyl Acetate	7.126	43	595691	136.35	ug/kg	98
18) methylene chloride	7.105	84	410360m	91.64	ug/kg	
19) methyl tert butyl ether	7.907	73	901507	102.76	ug/kg	100
20) acrylonitrile	7.004	53	217793	126.00	ug/kg	91
21) allyl chloride	7.200	41	764258	99.46	ug/kg	100
22) trans-1,2-dichloroethene	7.813	96	414066	93.88	ug/kg	97
23) iodomethane	7.011	142	753916	104.01	ug/kg	93
24) carbon disulfide	7.388	76	1091207	95.94	ug/kg	100
25) propionitrile	8.150	54	76710	133.65	ug/kg	100
26) vinyl acetate	8.170	43	1064672	132.70	ug/kg	98
27) chloroprene	8.446	53	685524	99.92	ug/kg	99
28) di-isopropyl ether	8.480	45	1717802	100.61	ug/kg	94
29) methacrylonitrile	8.601	41	319745	115.79	ug/kg	95
30) 2-butanone	8.493	72	72635	125.46	ug/kg#	22
31) 1,1-dichloroethane	8.069	63	752362	98.78	ug/kg	99
32) tert-butyl ethyl ether	8.884	59	1101150	103.70	ug/kg	99
33) isobutyl alcohol	8.884	43	206853m	304.39	ug/kg	
34) 2,2-dichloropropane	8.951	77	430988	94.19	ug/kg	97
35) cis-1,2-dichloroethene	8.655	96	477299	92.87	ug/kg	99
36) ethyl acetate	8.884	43	280828	90.18	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 12 08:59:46 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	271843	101.97	ug/kg	94
38) chloroform	8.864	83	736084	99.19	ug/kg	97
40) Tetrahydrofuran	9.187	42	185174	98.19	ug/kg	97
41) 1,1,1-trichloroethane	9.632	97	577901	94.58	ug/kg	97
43) Cyclohexane	9.915	56	768278	93.29	ug/kg	99
44) carbon tetrachloride	9.995	117	616818	99.51	ug/kg	98
45) 1,1-dichloropropene	9.800	75	522502	94.42	ug/kg	97
46) benzene	10.029	78	1670823	90.58	ug/kg	99
47) 1,2-dichloroethane	9.524	62	562575	99.95	ug/kg	97
48) tert-amyl methyl ether	10.144	73	837317	101.90	ug/kg	98
49) heptane	10.507	43	860854	97.54	ug/kg	98
50) trichloroethene	10.656	95	485149	90.71	ug/kg	99
51) 1,2-dichloropropane	10.622	63	496443	100.88	ug/kg	100
52) dibromomethane	10.595	93	299214	104.11	ug/kg	97
53) bromodichloromethane	10.709	83	601265	102.78	ug/kg	99
54) Methylcyclohexane	11.181	83	734518	96.74	ug/kg	97
55) 2-chloroethyl vinyl ether	11.080	63	140433	113.60	ug/kg	99
56) methyl methacrylate	10.797	69	305584	114.79	ug/kg	97
57) 1,4-dioxane	10.810	88	23389	705.88	ug/kg	87
58) cis-1,3-dichloropropene	11.329	75	733299	106.84	ug/kg	99
60) 4-methyl-2-pentanone	11.417	43	603743	111.28	ug/kg	99
61) toluene	12.111	92	1131288	101.21	ug/kg	98
62) trans-1,3-dichloropropene	11.754	75	620495	110.67	ug/kg	95
63) 1,1,2-trichloroethane	11.929	83	342075	104.79	ug/kg	99
64) ethyl methacrylate	12.124	69	584840	115.24	ug/kg	97
66) tetrachloroethene	12.852	166	536449	88.75	ug/kg	99
67) 1,3-dichloropropane	12.165	76	653920	99.01	ug/kg	99
68) dibromochloromethane	12.454	129	603552	101.74	ug/kg	98
69) 1,2-dibromoethane	12.710	107	470925	101.10	ug/kg	98
70) 2-hexanone	12.279	43	495574	99.05	ug/kg	100
71) chlorobenzene	13.539	112	1519760	94.53	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.458	131	562112	98.57	ug/kg	97
73) ethylbenzene	13.707	91	2217639	94.02	ug/kg	99
74) m,p-xylene	13.896	106	1917411	192.47	ug/kg	99
75) o-xylene	14.307	106	981270	97.18	ug/kg	100
76) styrene	14.233	104	1531132	95.21	ug/kg	99
77) bromoform	14.064	173	420320	107.15	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.455	53	208122	112.31	ug/kg	97
80) isopropylbenzene	14.670	105	2534493	101.46	ug/kg	99
82) bromobenzene	14.967	156	674946	101.33	ug/kg	99
83) 1,1,2,2-tetrachloroethane	14.313	83	661660	115.68	ug/kg	96
84) 1,2,3-trichloropropane	14.462	75	704582	117.76	ug/kg	100
85) n-propylbenzene	15.115	91	2795837	102.23	ug/kg	100
86) 2-chlorotoluene	15.236	91	1707281	100.94	ug/kg	100
87) 4-chlorotoluene	15.310	91	1702577	101.42	ug/kg	98
88) 1,3,5-trimethylbenzene	15.391	105	2145975	103.97	ug/kg	99
89) tert-butylbenzene	15.701	91	1168341	102.68	ug/kg	96
90) 1,2,4-trimethylbenzene	15.802	105	2123149	104.13	ug/kg	100
91) sec-butylbenzene	15.923	105	2940961	102.83	ug/kg	100
92) 1,3-dichlorobenzene	16.031	146	1388969	102.70	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 12 08:59:46 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration

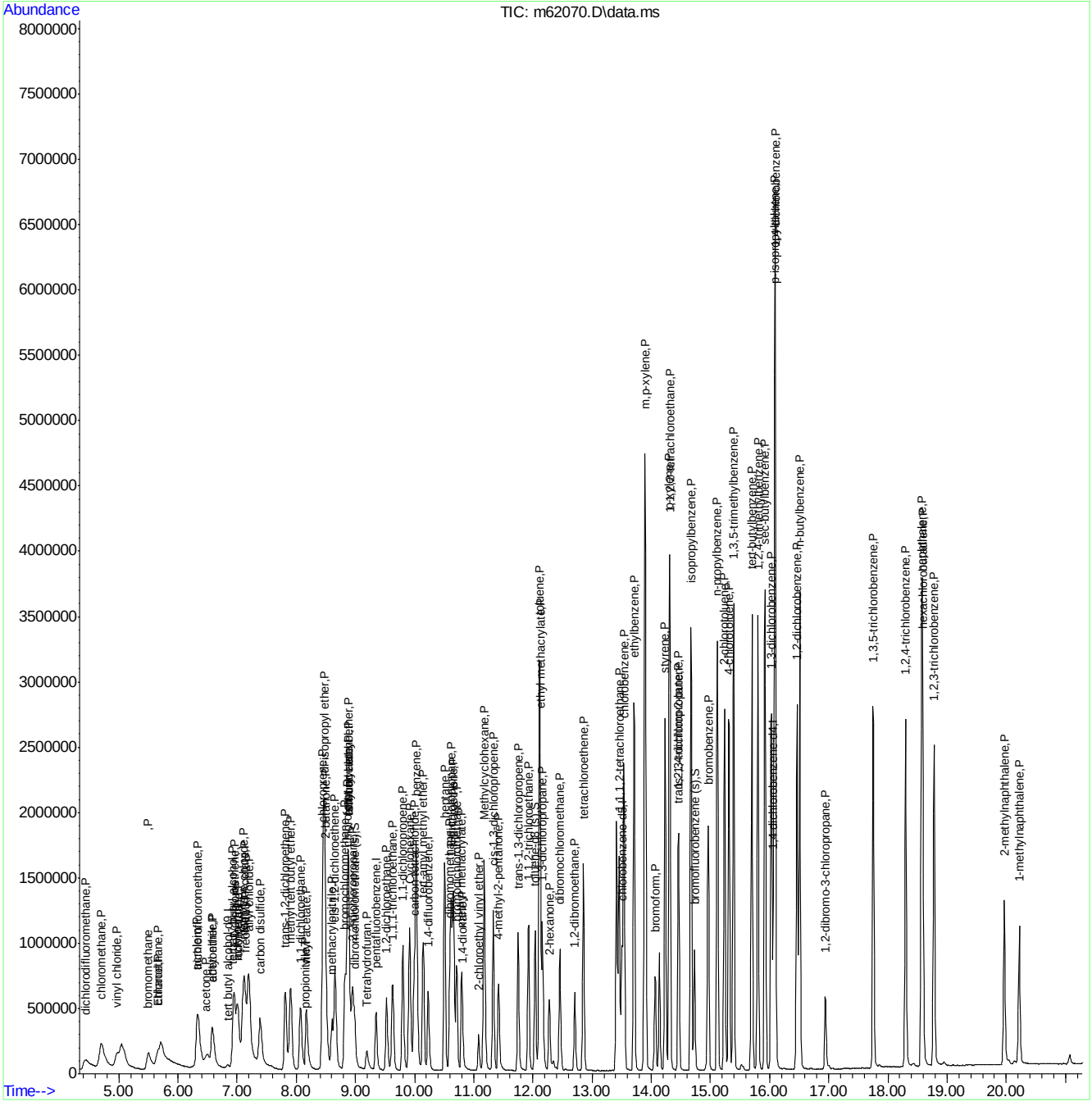
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	2560052	102.99	ug/kg	99
94) 1,4-dichlorobenzene	16.099	146	1406884	101.77	ug/kg	98
95) 1,2-dichlorobenzene	16.462	146	1420739	106.31	ug/kg	99
96) n-butylbenzene	16.509	91	2170388	103.54	ug/kg	99
97) 1,2-dibromo-3-chloropr...	16.941	75	140424	111.59	ug/kg	96
98) 1,3,5-trichlorobenzene	17.749	180	1047082	107.04	ug/kg	99
99) 1,2,4-trichlorobenzene	18.301	180	1015464	109.89	ug/kg	98
100) hexachlorobutadiene	18.591	225	462223	104.99	ug/kg	99
101) naphthalene	18.571	128	2919583	116.87	ug/kg	100
102) 1,2,3-trichlorobenzene	18.780	180	997229	112.10	ug/kg	97
103) 2-methylnaphthalene	19.965	142	853005	59.72	ug/kg	99
104) 1-methylnaphthalene	20.221	TIC	2313215	41.83	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

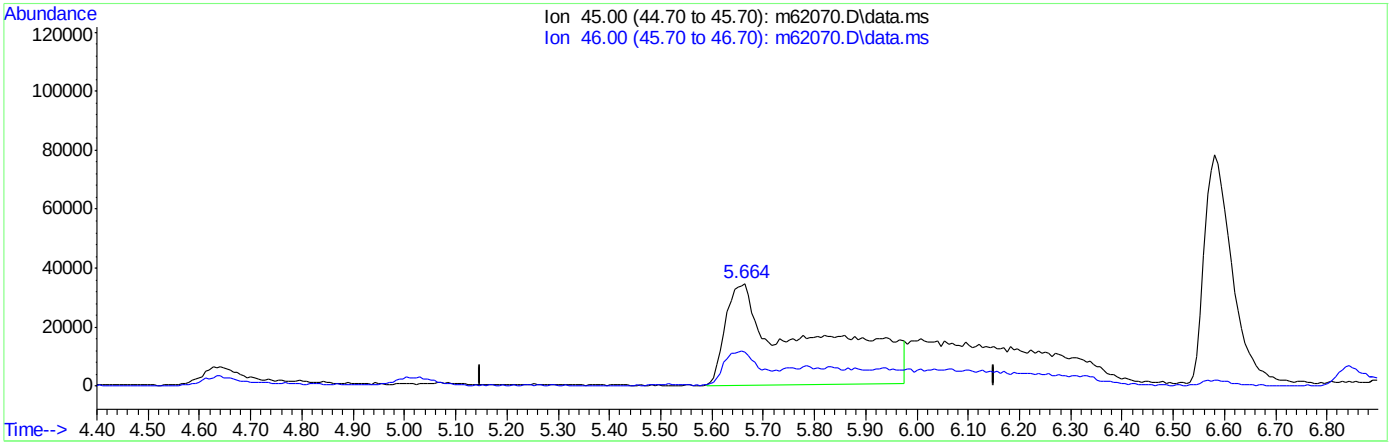
Quant Time: Dec 12 08:59:46 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration

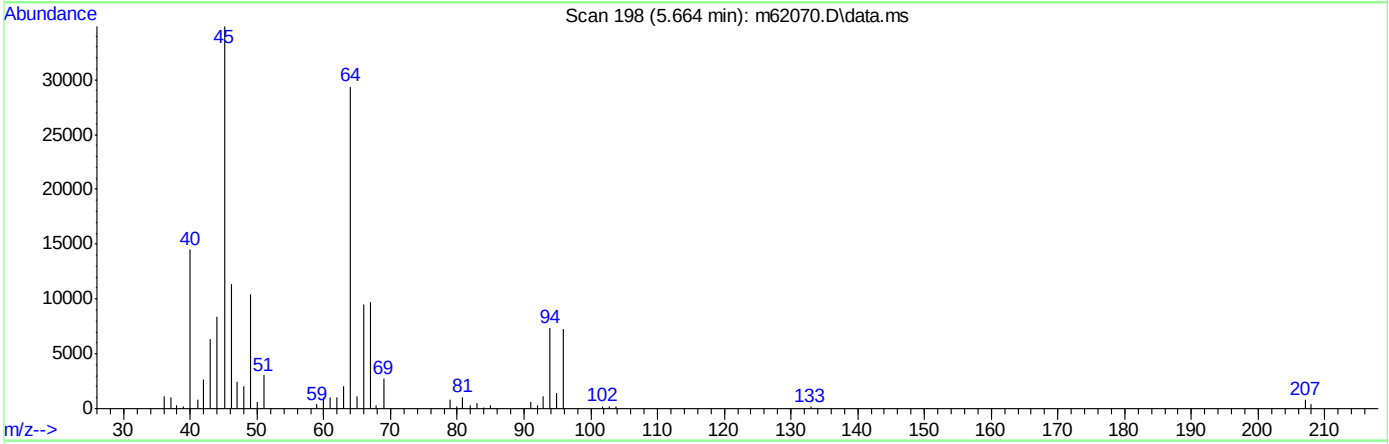


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 11 17:47:41 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration





TIC: m62070.D\data.ms

(3) Ethanol (P)

5.664min (+0.014) 10113.83ug/kg m

response 390880

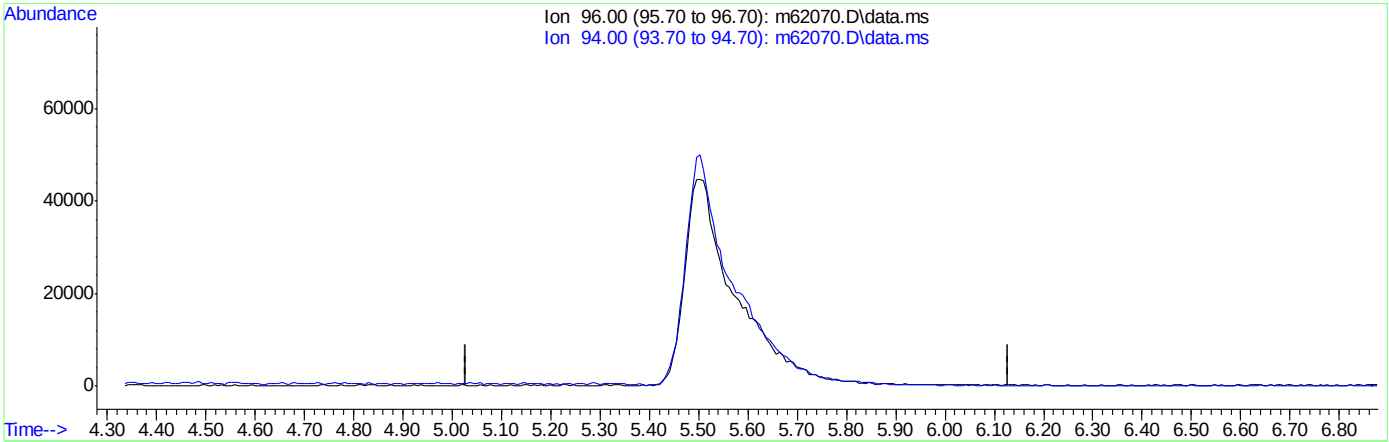
Ion	Exp%	Act%
45.00	100	100
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

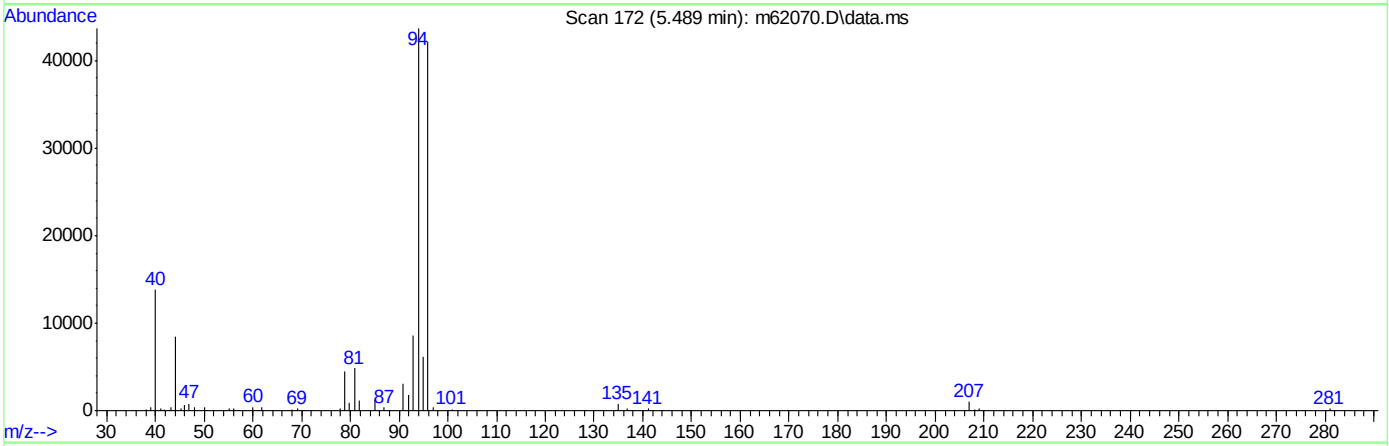
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 11 17:47:41 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration





TIC: m62070.D\data.ms

(8) bromomethane (P)

5.489min (-5.489) 0.00ug/kg

response 0

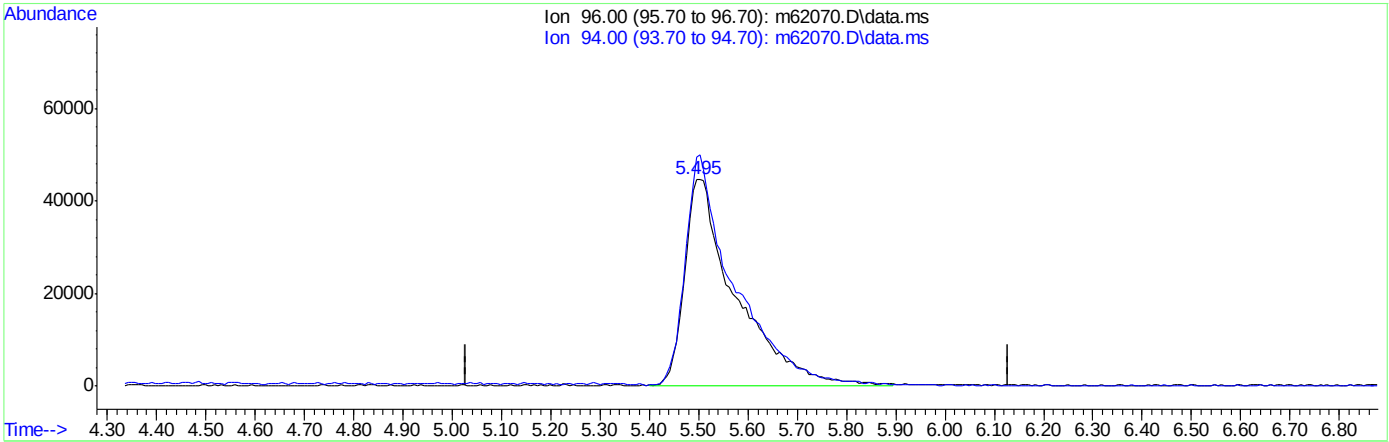
Ion	Exp%	Act%
96.00	100	0.00
94.00	109.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

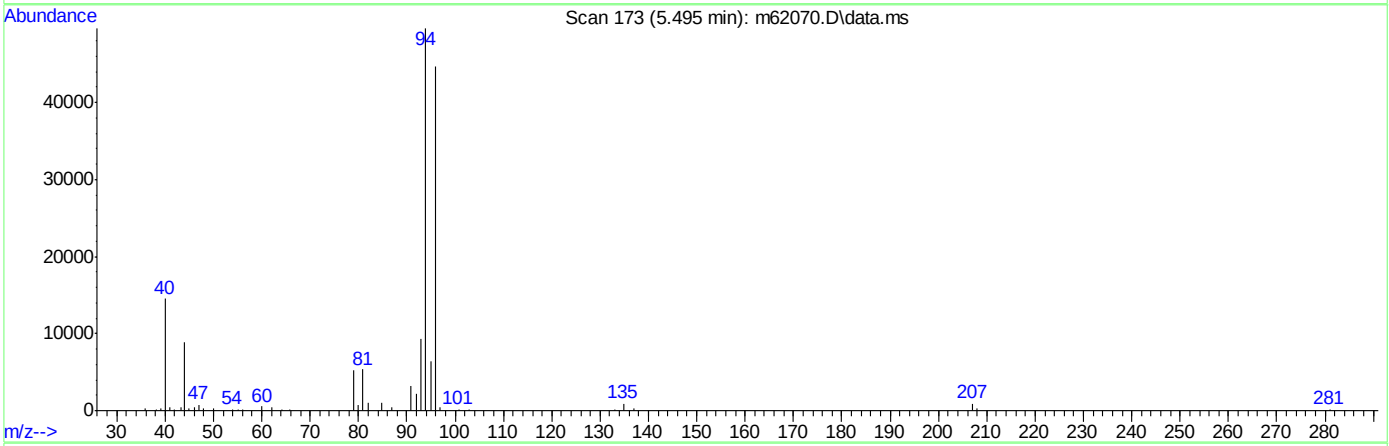
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 11 17:47:41 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration





TIC: m62070.D\data.ms

(8) bromomethane (P)

5.495min (+0.006) 83.56ug/kg m

response 324707

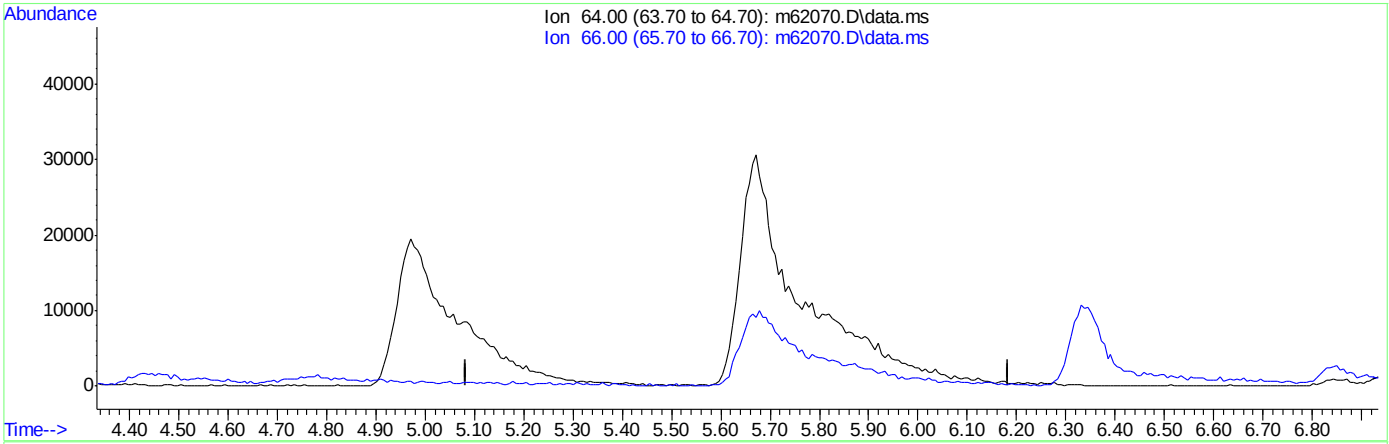
Ion	Exp%	Act%
96.00	100	100
94.00	109.30	110.92
0.00	0.00	0.00
0.00	0.00	0.00

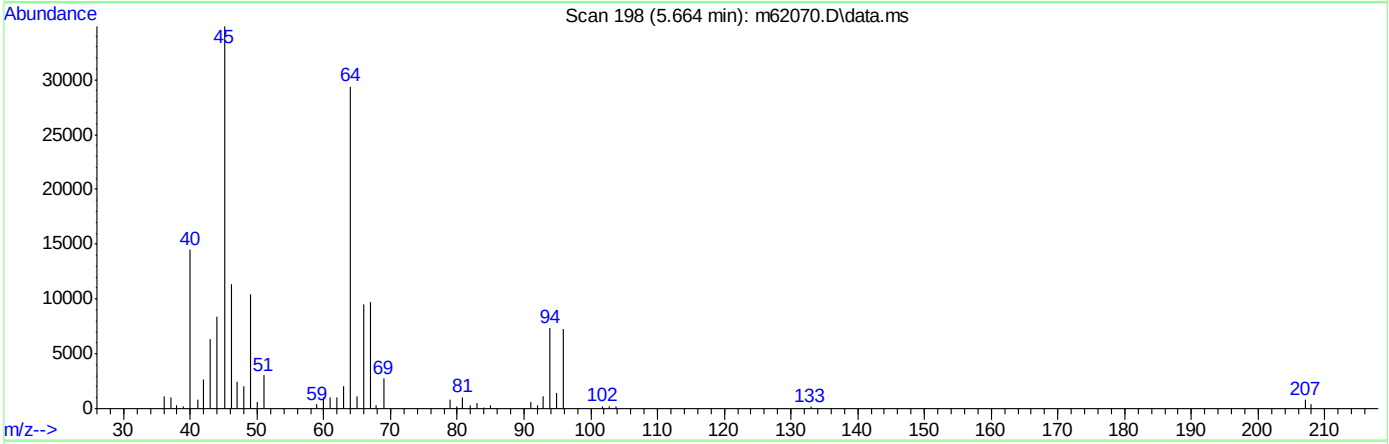
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 11 17:47:41 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration





TIC: m62070.D\data.ms

(9) chloroethane (P)

5.664min (-5.664) 0.00ug/kg

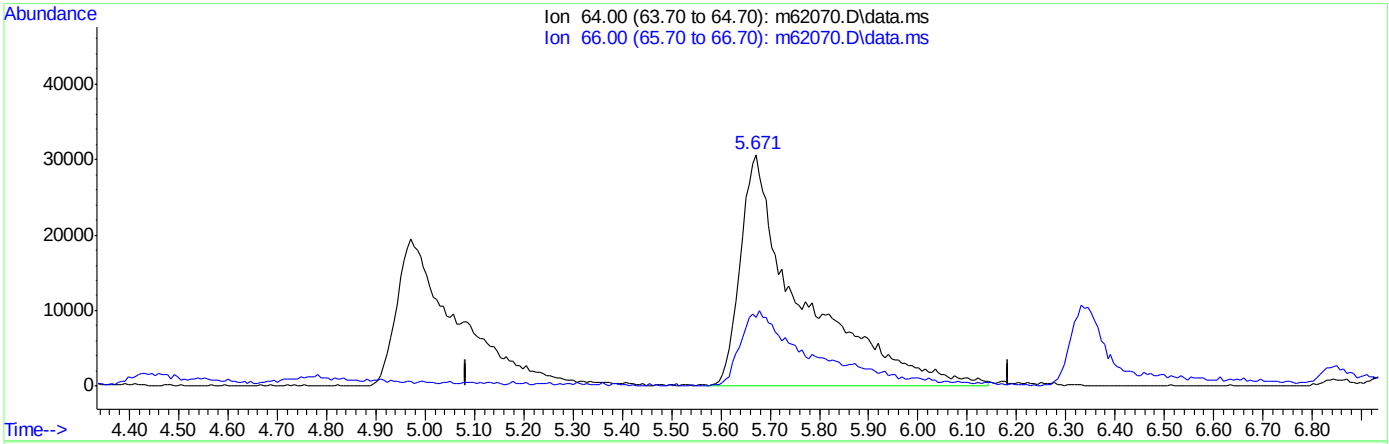
response 0

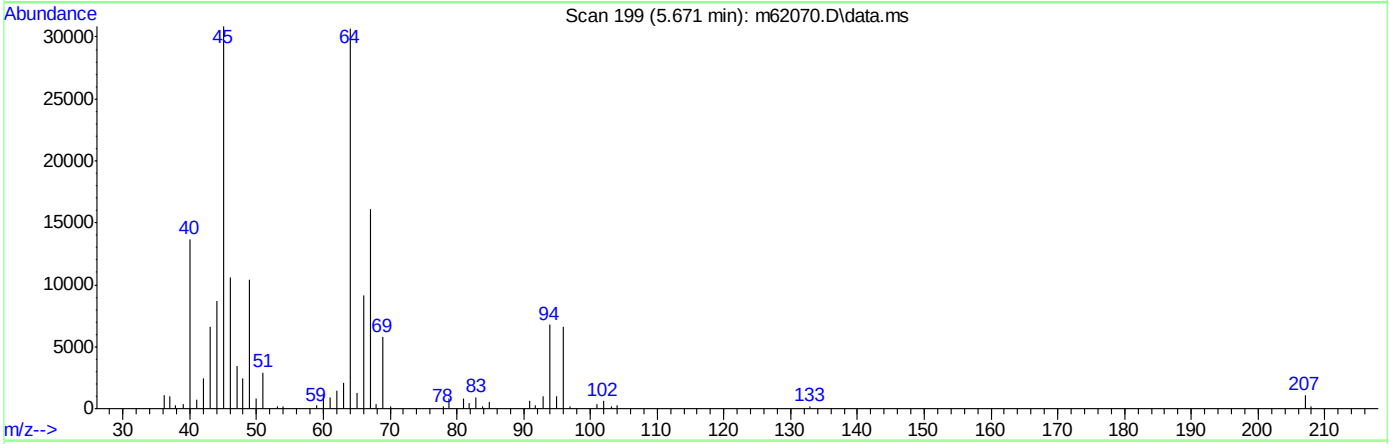
Ion	Exp%	Act%
64.00	100	0.00
66.00	28.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 11 17:47:41 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration





TIC: m62070.D\data.ms

(9) chloroethane (P)

5.671min (+0.007) 101.33ug/kg m

response 267608

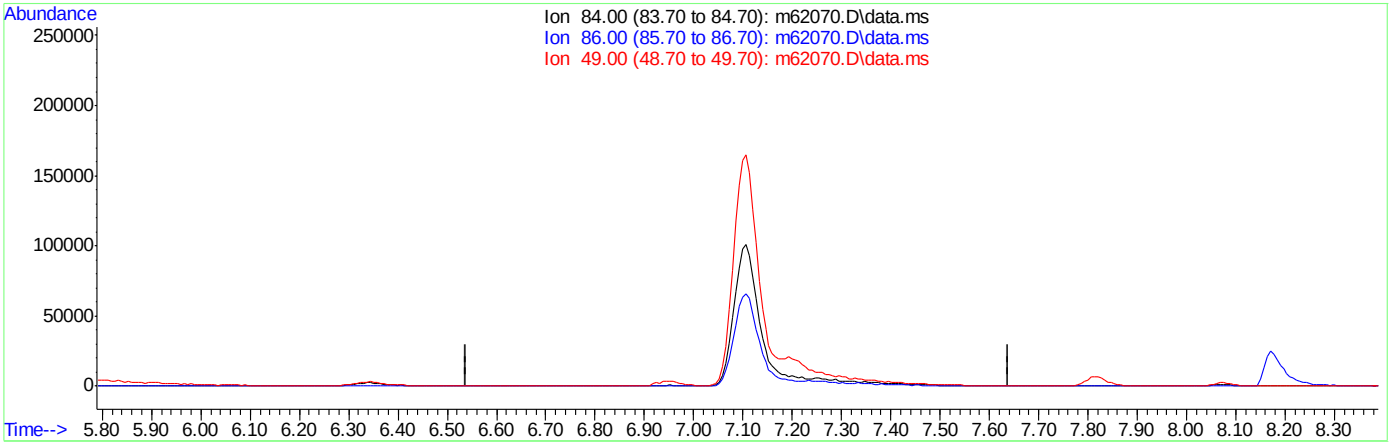
Ion	Exp%	Act%
64.00	100	100
66.00	28.60	29.84
0.00	0.00	0.00
0.00	0.00	0.00

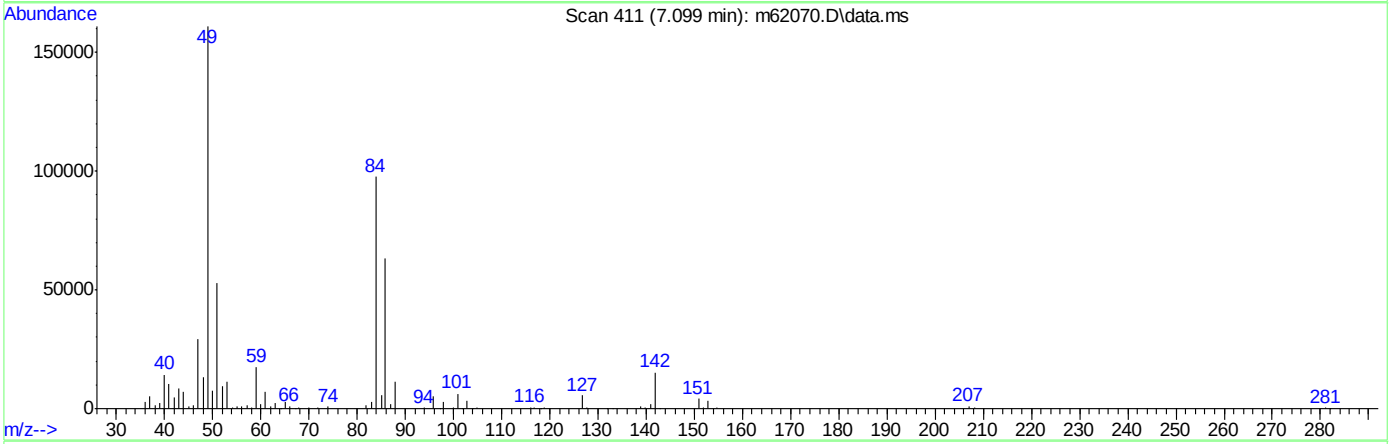
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 11 17:47:41 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration





TIC: m62070.D\data.ms

(18) methylene chloride (P)

7.099min (-7.099) 0.00ug/kg

response 0

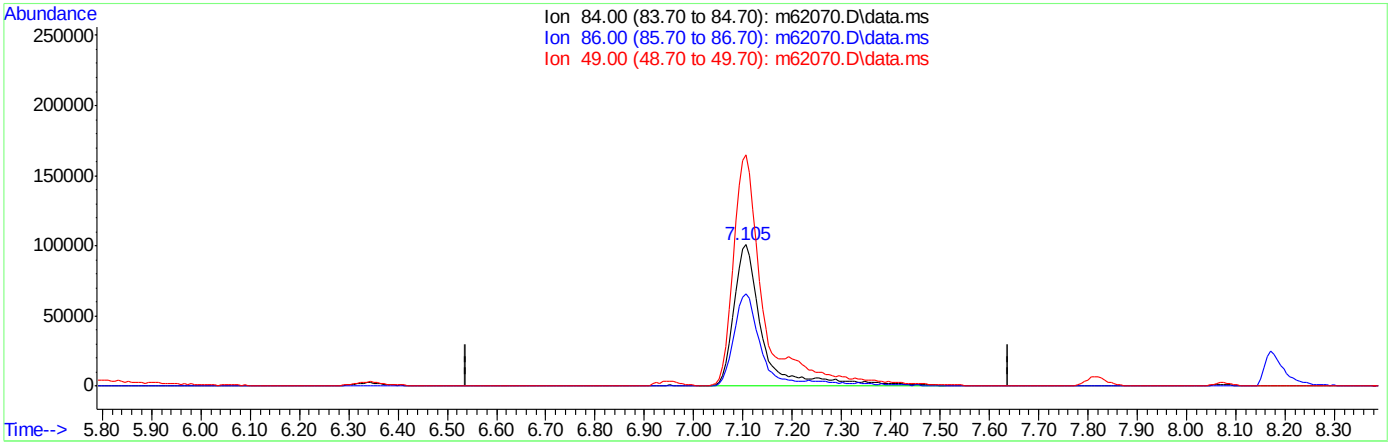
Ion	Exp%	Act%
84.00	100	0.00
86.00	67.80	0.00#
49.00	167.00	0.00#
0.00	0.00	0.00

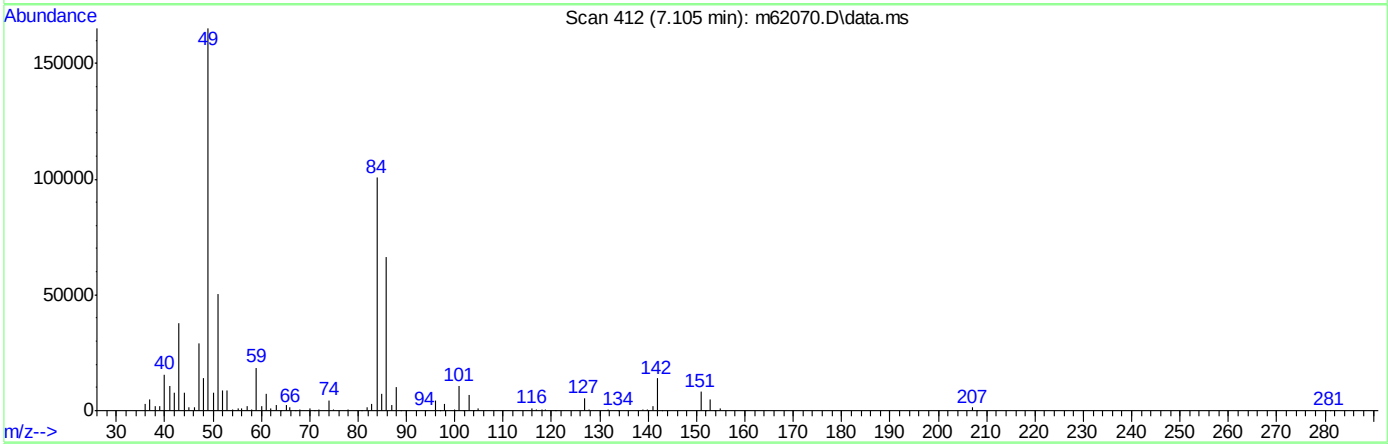
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 11 17:47:41 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration





TIC: m62070.D\data.ms

(18) methylene chloride (P)

7.105min (+0.006) 91.64ug/kg m

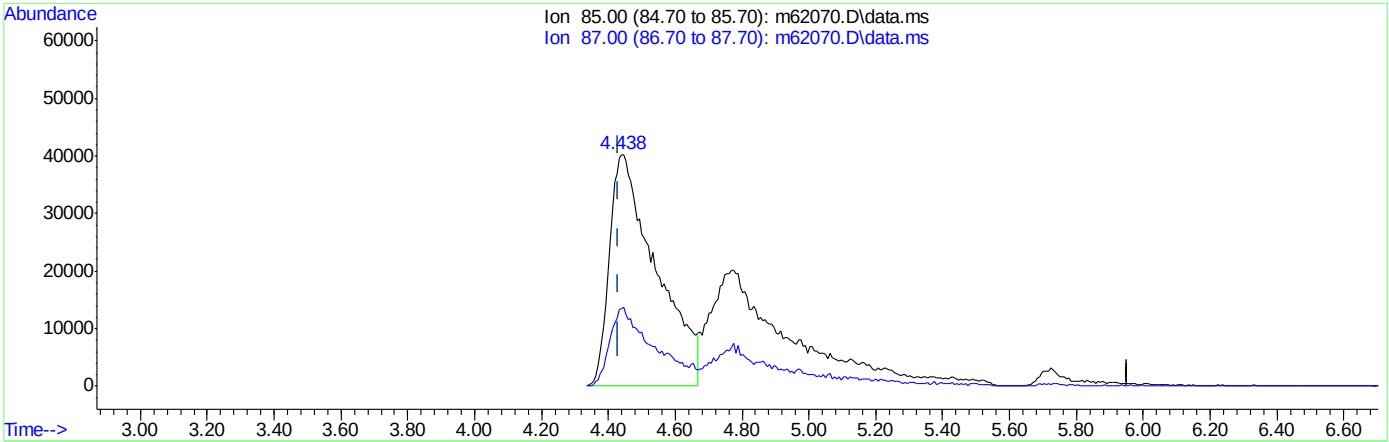
response 410360

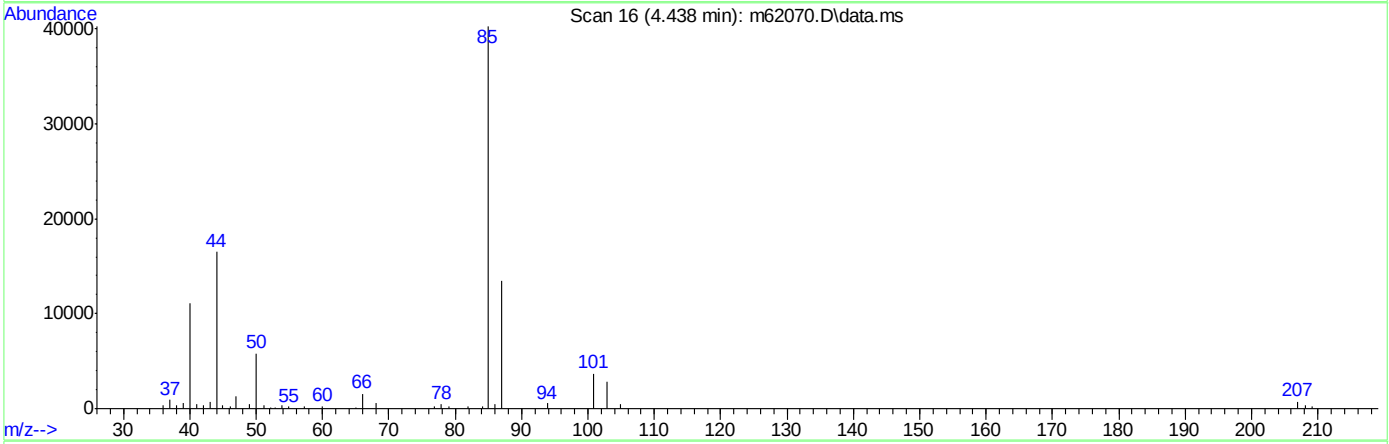
Ion	Exp%	Act%
84.00	100	100
86.00	67.80	65.73
49.00	167.00	164.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62070.D
Acq On : 11 Dec 2013 5:21 pm
Operator : krystend
Sample : IC2169-100
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 11 17:48:21 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:40:14 2013
Response via : Initial Calibration





TIC: m62070.D\data.ms

(5) dichlorodifluoromethane (P)

4.438min (+0.007) 105.11ug/kg m

response 389543

Ion	Exp%	Act%
85.00	100	100
87.00	32.00	33.48
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26964

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/12/13 11:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62071.D
Acq On : 11 Dec 2013 5:50 pm
Operator : krystend
Sample : IC2169-200
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 12 09:02:19 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:48:59 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.849	65	153704	500.00	ug/kg	0.01
4) pentafluorobenzene		9.349	168	409715	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	668760	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	321234	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.072	152	341777	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	677921	161.16	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 322.32%#			
59) toluene-d8 (s)		12.037	98	2323044m	153.97	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 307.94%#			
81) bromofluorobenzene (s)		14.731	95	988542	159.53	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 319.06%#			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	1001290	1818.51	ug/kg	98
3) Ethanol		5.650	45	799676m	19816.05	ug/kg	
5) dichlorodifluoromethane		4.445	85	743306	192.59	ug/kg	99
6) chloromethane		4.701	50	1112342	174.53	ug/kg	99
7) vinyl chloride		4.970	62	1099790	184.72	ug/kg	93
8) bromomethane	...	5.502	96	673632m	172.60	ug/kg	
9) chloroethane		5.664	64	548294m	200.52	ug/kg	
10) ethyl ether		6.580	59	579882	171.63	ug/kg	95
11) acetonitrile		6.580	41	210482	205.72	ug/kg	95
12) trichlorofluoromethane		6.338	101	1313984	189.13	ug/kg	99
13) freon-113		7.146	101	534582	155.74	ug/kg	97
14) acrolein		6.324	56	934091	994.64	ug/kg	100
15) 1,1-dichloroethene		6.951	96	650629m	161.47	ug/kg	
16) acetone		6.466	58	165456	216.07	ug/kg#	82
17) Methyl Acetate		7.126	43	1048614	219.15	ug/kg	98
18) methylene chloride		7.105	84	702330m	154.03	ug/kg	
19) methyl tert butyl ether		7.907	73	1547216	170.00	ug/kg	100
20) acrylonitrile		6.998	53	378655	201.65	ug/kg	92
21) allyl chloride		7.200	41	1298045	163.73	ug/kg	99
22) trans-1,2-dichloroethene		7.813	96	712628	158.07	ug/kg	98
23) iodomethane		7.011	142	1306756	173.42	ug/kg	92
24) carbon disulfide		7.388	76	1873070	160.56	ug/kg	99
25) propionitrile		8.082	54	132880	210.05	ug/kg	100
26) vinyl acetate		8.170	43	1878448	215.01	ug/kg	98
27) chloroprene		8.446	53	1196593	168.92	ug/kg	99
28) di-isopropyl ether		8.480	45	2969962	168.27	ug/kg	87
29) methacrylonitrile		8.594	41	558105	190.70	ug/kg	99
30) 2-butanone		8.486	72	146257	232.79	ug/kg#	1
31) 1,1-dichloroethane		8.069	63	1298310	165.40	ug/kg	99
32) tert-butyl ethyl ether		8.884	59	1882723	170.65	ug/kg	99
33) isobutyl alcohol		8.884	43	381850m	560.28	ug/kg	
34) 2,2-dichloropropane		8.951	77	720568	153.99	ug/kg	99
35) cis-1,2-dichloroethene		8.655	96	821502	156.65	ug/kg	98
36) ethyl acetate		8.884	43	495322m	156.58	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62071.D
Acq On : 11 Dec 2013 5:50 pm
Operator : krystend
Sample : IC2169-200
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 12 09:02:19 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:48:59 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	474246	171.71	ug/kg	98
38) chloroform	8.864	83	1265788	165.39	ug/kg	96
40) Tetrahydrofuran	9.194	42	313914	161.78	ug/kg	100
41) 1,1,1-trichloroethane	9.625	97	982467	157.12	ug/kg	99
43) Cyclohexane	9.915	56	1280175	152.40	ug/kg	98
44) carbon tetrachloride	9.995	117	1060089	165.92	ug/kg	99
45) 1,1-dichloropropene	9.800	75	925646	163.67	ug/kg	98
46) benzene	10.029	78	2932226	156.21	ug/kg	99
47) 1,2-dichloroethane	9.524	62	981514	169.06	ug/kg	100
48) tert-amyl methyl ether	10.144	73	1440183	169.37	ug/kg	100
49) heptane	10.507	43	1472139	162.36	ug/kg	100
50) trichloroethene	10.656	95	847072	155.60	ug/kg	97
51) 1,2-dichloropropane	10.622	63	861737	169.50	ug/kg	100
52) dibromomethane	10.595	93	512613	171.73	ug/kg	97
53) bromodichloromethane	10.709	83	1041698	171.83	ug/kg	100
54) Methylcyclohexane	11.181	83	1248437	160.27	ug/kg	98
55) 2-chloroethyl vinyl ether	11.080	63	234021	178.65	ug/kg	97
56) methyl methacrylate	10.797	69	543231	193.05	ug/kg	99
57) 1,4-dioxane	10.804	88	40289	1089.05	ug/kg#	67
58) cis-1,3-dichloropropene	11.329	75	1279260	178.65	ug/kg	98
60) 4-methyl-2-pentanone	11.417	43	1030120	180.67	ug/kg	98
61) toluene	12.111	92	1987683	172.03	ug/kg	97
62) trans-1,3-dichloropropene	11.754	75	1086155	184.52	ug/kg	96
63) 1,1,2-trichloroethane	11.929	83	598408	176.30	ug/kg	97
64) ethyl methacrylate	12.117	69	1038358	193.43	ug/kg	96
66) tetrachloroethene	12.858	166	932185	145.20	ug/kg	97
67) 1,3-dichloropropane	12.164	76	1147091	161.16	ug/kg	99
68) dibromochloromethane	12.454	129	1036178	161.33	ug/kg	100
69) 1,2-dibromoethane	12.710	107	813772	161.54	ug/kg	94
70) 2-hexanone	12.272	43	930431	172.54	ug/kg	100
71) chlorobenzene	13.539	112	2650977	154.16	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.458	131	966014	157.29	ug/kg	99
73) ethylbenzene	13.707	91	3852891	152.84	ug/kg	99
74) m,p-xylene	13.896	106	3302739	309.05	ug/kg	97
75) o-xylene	14.307	106	1681278	154.97	ug/kg	96
76) styrene	14.233	104	2675538	155.37	ug/kg	98
77) bromoform	14.064	173	708716	165.40	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.455	53	345721	168.67	ug/kg	96
80) isopropylbenzene	14.670	105	4366007	169.62	ug/kg	99
82) bromobenzene	14.967	156	1161635	169.27	ug/kg	98
83) 1,1,2,2-tetrachloroethane	14.313	83	1072559	177.78	ug/kg	97
84) 1,2,3-trichloropropane	14.462	75	1183176	186.85	ug/kg	100
85) n-propylbenzene	15.115	91	4825893	171.03	ug/kg	100
86) 2-chlorotoluene	15.236	91	2913535	167.32	ug/kg	98
87) 4-chlorotoluene	15.310	91	2925793	169.15	ug/kg	97
88) 1,3,5-trimethylbenzene	15.391	105	3679264	172.27	ug/kg	99
89) tert-butylbenzene	15.701	91	1976092	168.20	ug/kg	98
90) 1,2,4-trimethylbenzene	15.802	105	3643365	172.64	ug/kg	99
91) sec-butylbenzene	15.923	105	4996277	169.15	ug/kg	99
92) 1,3-dichlorobenzene	16.031	146	2355845	168.70	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62071.D
Acq On : 11 Dec 2013 5:50 pm
Operator : krystend
Sample : IC2169-200
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 12 09:02:19 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:48:59 2013
Response via : Initial Calibration

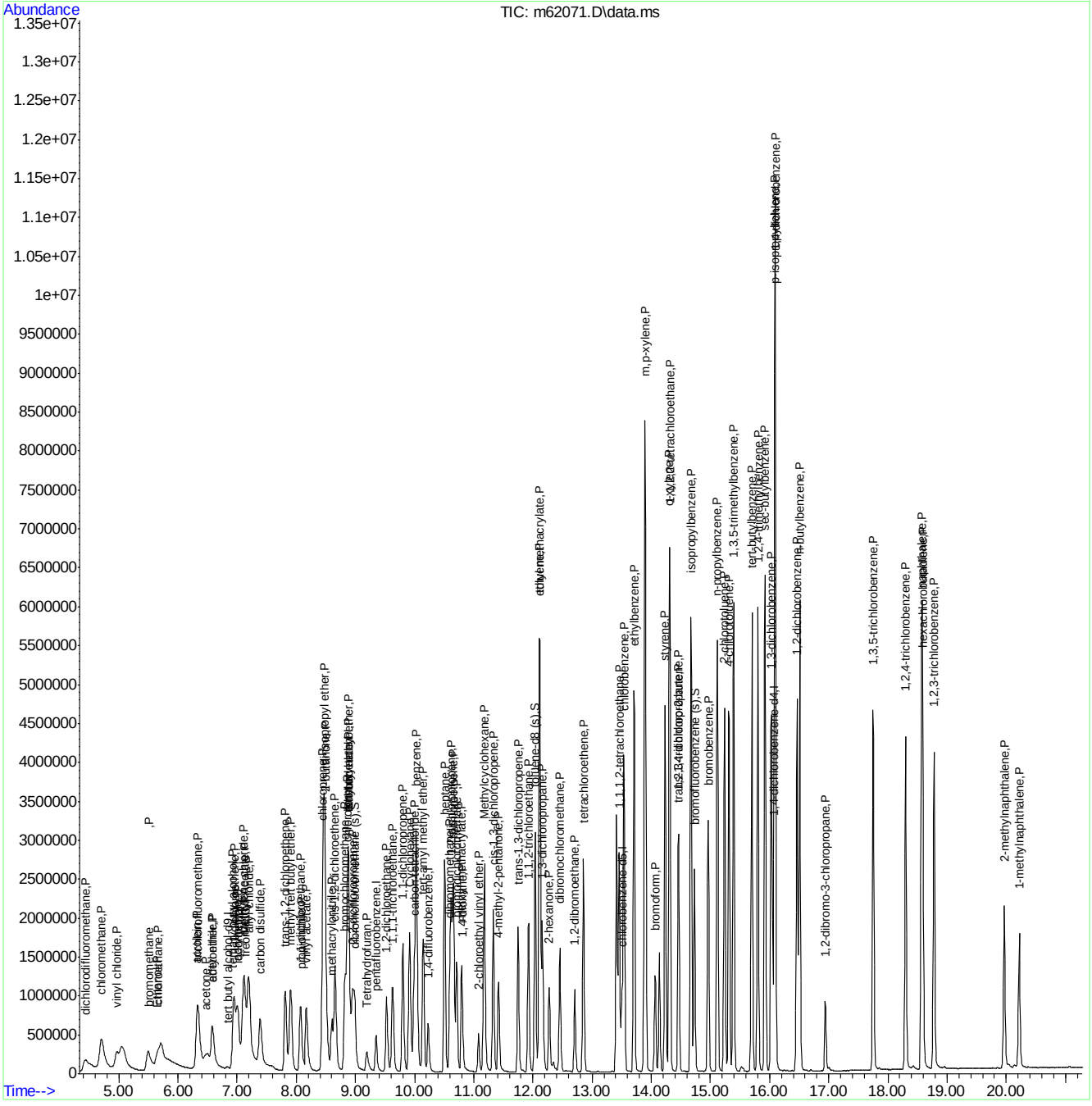
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	4380608	170.58	ug/kg	98
94) 1,4-dichlorobenzene	16.099	146	2368523	166.19	ug/kg	98
95) 1,2-dichlorobenzene	16.462	146	2367971	170.58	ug/kg	99
96) n-butylbenzene	16.509	91	3667767	169.21	ug/kg	100
97) 1,2-dibromo-3-chloropr...	16.941	75	223481	168.85	ug/kg	99
98) 1,3,5-trichlorobenzene	17.749	180	1718083	168.88	ug/kg	100
99) 1,2,4-trichlorobenzene	18.301	180	1655147	171.42	ug/kg	97
100) hexachlorobutadiene	18.591	225	743990	163.04	ug/kg	99
101) naphthalene	18.571	128	4718963	178.74	ug/kg	100
102) 1,2,3-trichlorobenzene	18.780	180	1612613	172.87	ug/kg	98
103) 2-methylnaphthalene	19.965	142	1400872	92.42	ug/kg	100
104) 1-methylnaphthalene	20.221	TIC	3813746	68.97	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62071.D
Acq On : 11 Dec 2013 5:50 pm
Operator : krystend
Sample : IC2169-200
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

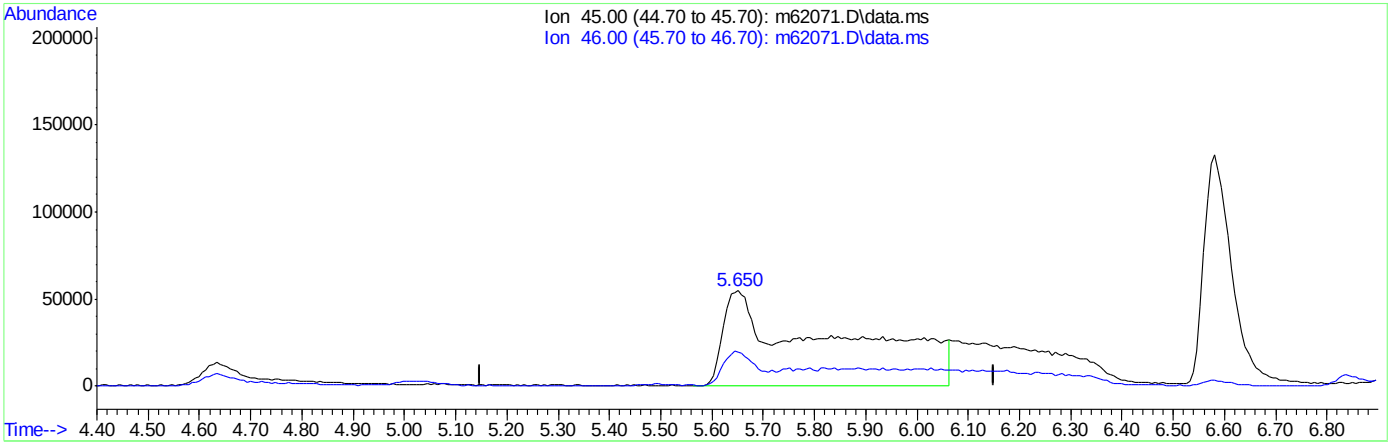
Quant Time: Dec 12 09:02:19 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:48:59 2013
Response via : Initial Calibration

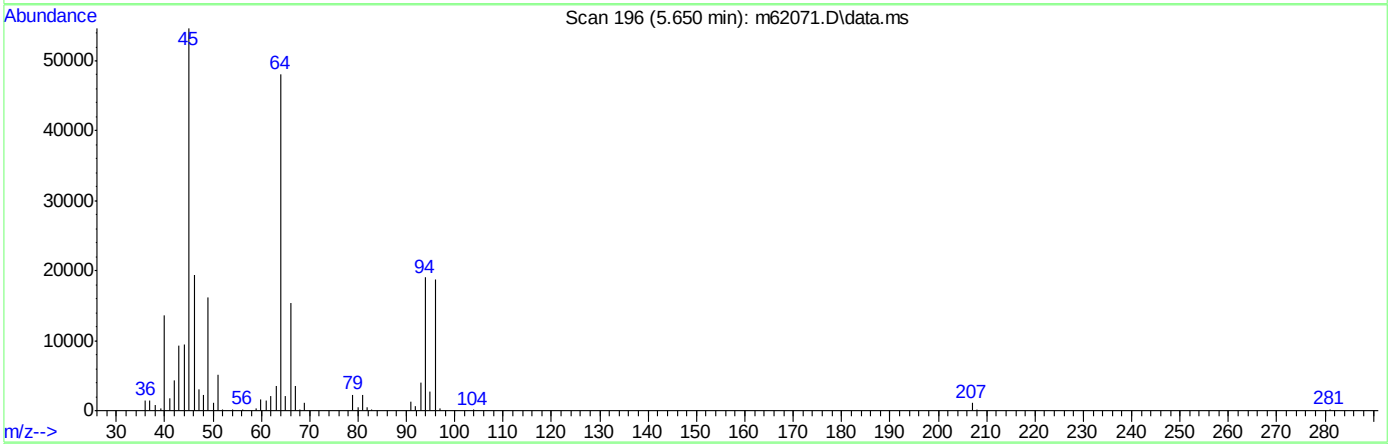


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62071.D
Acq On : 11 Dec 2013 5:50 pm
Operator : krystend
Sample : IC2169-200
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 12 08:27:18 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:48:59 2013
Response via : Initial Calibration





TIC: m62071.D\data.ms

(3) Ethanol (P)

5.650min (+0.000) 19816.05ug/kg m

response 799676

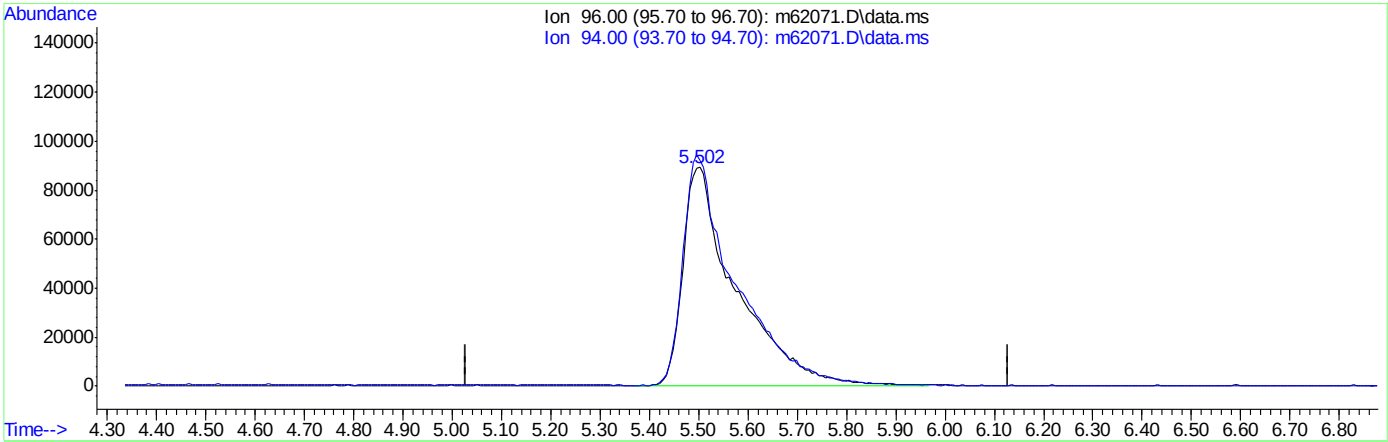
Ion	Exp%	Act%
45.00	100	100
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

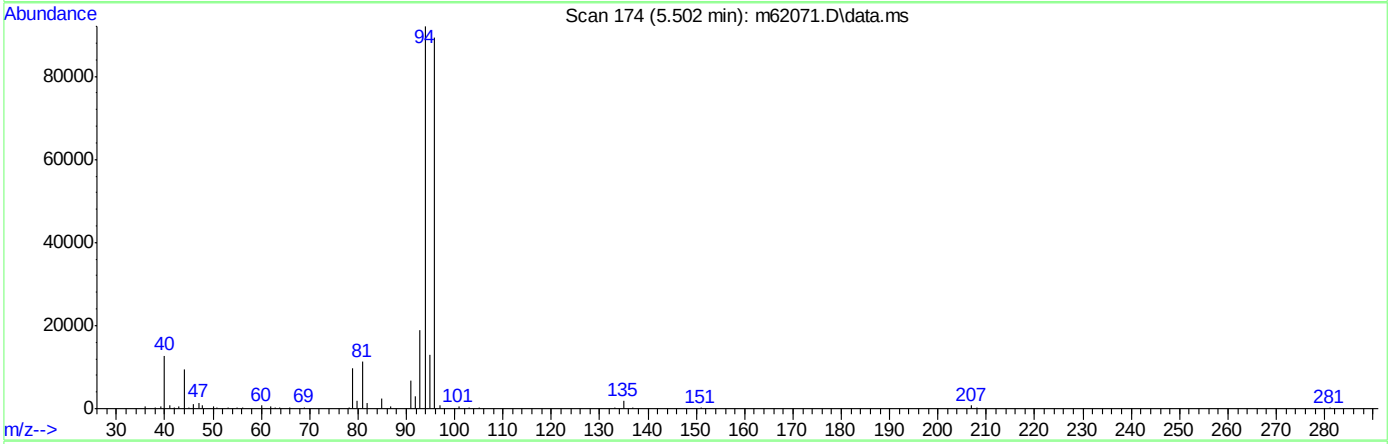
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62071.D
Acq On : 11 Dec 2013 5:50 pm
Operator : krystend
Sample : IC2169-200
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 12 08:27:18 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:48:59 2013
Response via : Initial Calibration





TIC: m62071.D\data.ms

(8) bromomethane (P)

5.502min (+0.013) 172.60ug/kg m

response 673632

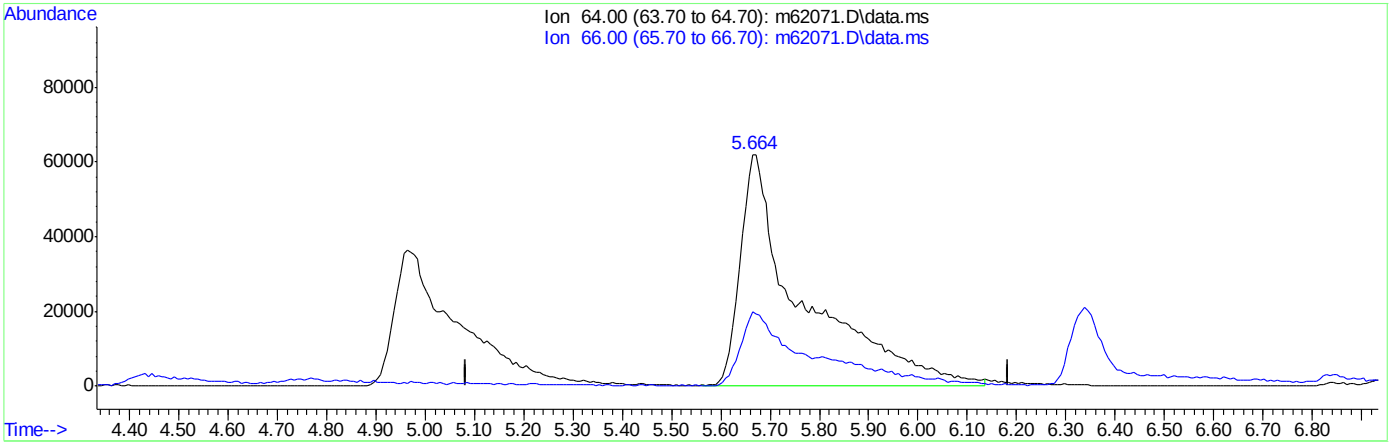
Ion	Exp%	Act%
96.00	100	100
94.00	109.30	102.96
0.00	0.00	0.00
0.00	0.00	0.00

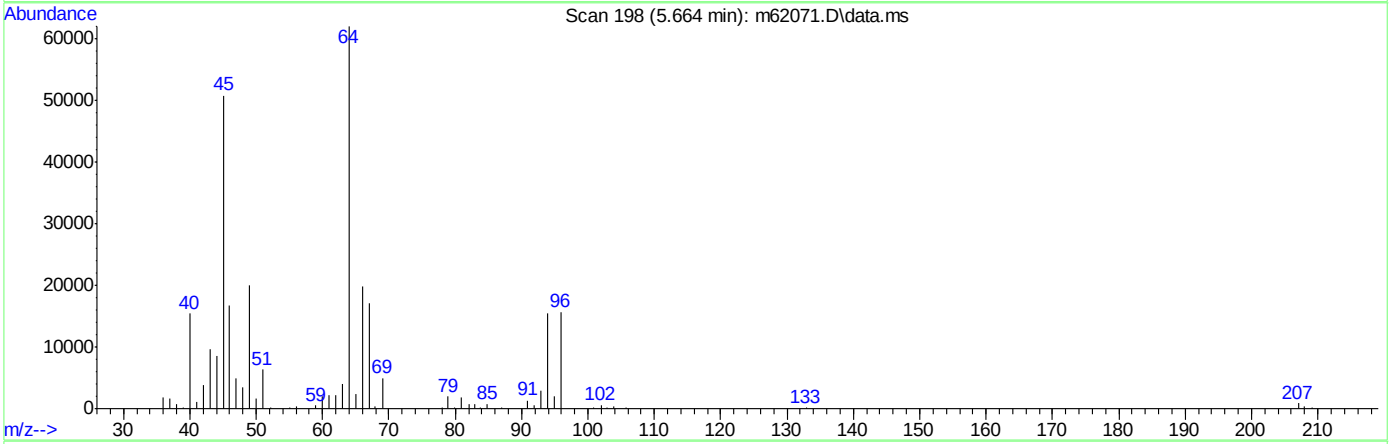
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62071.D
Acq On : 11 Dec 2013 5:50 pm
Operator : krystend
Sample : IC2169-200
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 12 08:27:18 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:48:59 2013
Response via : Initial Calibration





TIC: m62071.D\data.ms

(9) chloroethane (P)

5.664min (-0.000) 200.52ug/kg m

response 548294

Ion	Exp%	Act%
64.00	100	100
66.00	28.60	31.98
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62071.D
Acq On : 11 Dec 2013 5:50 pm
Operator : krystend
Sample : IC2169-200
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

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Quant Title : SW-846 Method 8260
QLast Update : Wed Dec 11 17:48:59 2013
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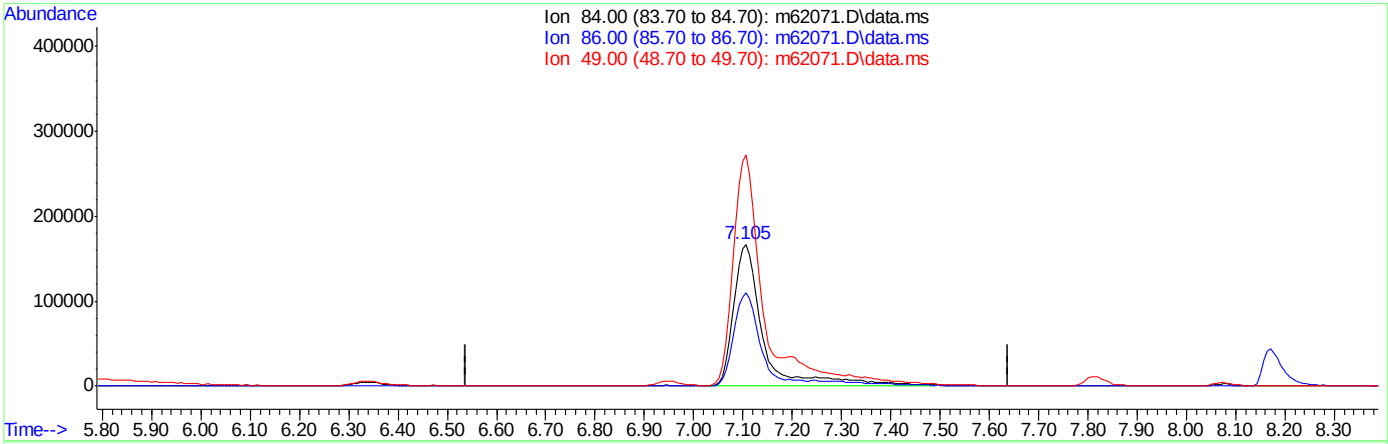

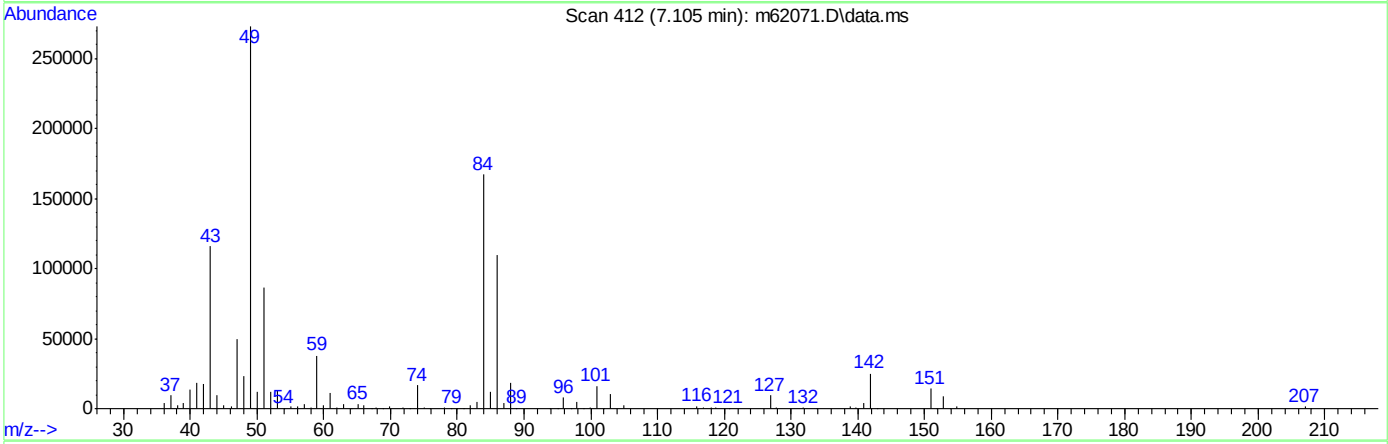

TIC: m62071.D\data.ms

(18) methylene chloride (P)

7.105min (+0.006) 154.03ug/kg m

response 702330

Ion	Exp%	Act%
84.00	100	100
86.00	67.80	65.57
49.00	167.00	163.21
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26964

M62072.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski 12/12/13 11:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62072.D
Acq On : 11 Dec 2013 6:20 pm
Operator : krystend
Sample : IC2169-400
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 12 08:47:58 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:27:58 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	158666	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	422360	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	690602	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	379400	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	360135	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	1195231	283.49	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	566.98%#		
59) toluene-d8 (s)	12.036	98	3983251	264.10	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	528.20%#		
81) bromofluorobenzene (s)	14.731	95	1825220	287.86	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	575.72%#		
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	2242869	3997.85	ug/kg	96
3) Ethanol	5.657	45	1781326m	42817.24	ug/kg	
5) dichlorodifluoromethane	4.431	85	1832877m	463.12	ug/kg	
6) chloromethane	4.700	50	2518050	390.37	ug/kg	98
7) vinyl chloride	4.963	62	2427956	399.96	ug/kg	91
8) bromomethane ...	5.495	96	1518440m	384.95	ug/kg	
9) chloroethane	5.664	64	1246448m	442.00	ug/kg	
10) ethyl ether	6.580	59	1254221	367.54	ug/kg	97
11) acetonitrile	6.573	41	434452	409.95	ug/kg	94
12) trichlorofluoromethane	6.337	101	2903780	408.62	ug/kg	100
13) freon-113	7.146	101	1011607	295.22	ug/kg	99
14) acrolein	6.324	56	2097515	2168.27	ug/kg	100
15) 1,1-dichloroethene	6.944	96	1269475m	315.18	ug/kg	
16) acetone	6.459	58	324815	404.98	ug/kg	92
17) Methyl Acetate	7.119	43	2317414	463.48	ug/kg	96
18) methylene chloride	7.105	84	1477674m	325.05	ug/kg	
19) methyl tert butyl ether	7.907	73	3356880	365.63	ug/kg	99
20) acrylonitrile	6.991	53	842247	434.51	ug/kg	92
21) allyl chloride	7.200	41	2682764	336.99	ug/kg	99
22) trans-1,2-dichloroethene	7.813	96	1445995	320.75	ug/kg	97
23) iodomethane	7.011	142	2713296	356.05	ug/kg	93
24) carbon disulfide	7.388	76	3783961	323.78	ug/kg	99
25) propionitrile	8.075	54	297950	453.09	ug/kg	100
26) vinyl acetate	8.163	43	4193734	460.71	ug/kg	98
27) chloroprene	8.446	53	2425403	339.68	ug/kg	98
28) di-isopropyl ether	8.486	45	6393929	359.56	ug/kg	91
29) methacrylonitrile	8.594	41	1250761	417.35	ug/kg	98
30) 2-butanone	8.480	72	317533	477.22	ug/kg#	1
31) 1,1-dichloroethane	8.069	63	2712306	343.68	ug/kg	99
32) tert-butyl ethyl ether	8.884	59	4065270	365.10	ug/kg	99
33) isobutyl alcohol	8.897	43	759785m	1135.20	ug/kg	
34) 2,2-dichloropropane	8.951	77	1480178	317.27	ug/kg	99
35) cis-1,2-dichloroethene	8.655	96	1729067	330.07	ug/kg	97
36) ethyl acetate	8.897	43	1047581m	334.37	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62072.D
Acq On : 11 Dec 2013 6:20 pm
Operator : krystend
Sample : IC2169-400
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 12 08:47:58 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:27:58 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	1024136	367.12	ug/kg	98
38) chloroform	8.864	83	2681493	348.50	ug/kg	93
40) Tetrahydrofuran	9.194	42	710134	366.70	ug/kg	98
41) 1,1,1-trichloroethane	9.632	97	2051469	328.32	ug/kg	98
43) Cyclohexane	9.914	56	2559436	305.45	ug/kg	98
44) carbon tetrachloride	9.995	117	2178945	338.49	ug/kg	99
45) 1,1-dichloropropene	9.800	75	1907405	335.30	ug/kg	98
46) benzene	10.029	78	6123157m	324.77	ug/kg	
47) 1,2-dichloroethane	9.524	62	2106191	359.25	ug/kg	99
48) tert-amyl methyl ether	10.143	73	3126824	364.05	ug/kg	98
49) heptane	10.507	43	2996914	328.92	ug/kg	98
50) trichloroethene	10.655	95	1792408	327.93	ug/kg	97
51) 1,2-dichloropropane	10.622	63	1865383	363.23	ug/kg	99
52) dibromomethane	10.595	93	1135101	375.82	ug/kg	97
53) bromodichloromethane	10.709	83	2260648	368.52	ug/kg	100
54) Methylcyclohexane	11.181	83	2542888	325.35	ug/kg	99
55) 2-chloroethyl vinyl ether	11.080	63	521433	392.46	ug/kg	97
56) methyl methacrylate	10.797	69	1233050	426.46	ug/kg	97
57) 1,4-dioxane	10.797	88	96361	2485.46	ug/kg#	62
58) cis-1,3-dichloropropene	11.329	75	2829746	388.60	ug/kg	99
60) 4-methyl-2-pentanone	11.417	43	2253328	388.06	ug/kg	98
61) toluene	12.111	92	4211225	360.15	ug/kg	98
62) trans-1,3-dichloropropene	11.747	75	2427015	403.73	ug/kg	98
63) 1,1,2-trichloroethane	11.922	83	1325298	384.61	ug/kg	95
64) ethyl methacrylate	12.117	69	2322254	420.89	ug/kg	97
66) tetrachloroethene	12.858	166	1974819	269.68	ug/kg	99
67) 1,3-dichloropropane	12.164	76	2531456	309.73	ug/kg	99
68) dibromochloromethane	12.454	129	2309232	313.07	ug/kg	99
69) 1,2-dibromoethane	12.710	107	1817500	314.10	ug/kg	96
70) 2-hexanone	12.272	43	1954744	313.06	ug/kg	99
71) chlorobenzene	13.539	112	5740003	292.19	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.458	131	2134634	303.55	ug/kg	98
73) ethylbenzene	13.707	91	8298906	288.46	ug/kg	99
74) m,p-xylene	13.896	106	7114196	582.57	ug/kg	99
75) o-xylene	14.307	106	3648055	294.16	ug/kg	98
76) styrene	14.232	104	5853093	297.26	ug/kg	98
77) bromoform	14.064	173	1618718	327.96	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.455	53	782289	331.81	ug/kg	93
80) isopropylbenzene	14.670	105	9474738	357.08	ug/kg	100
82) bromobenzene	14.967	156	2563910	362.53	ug/kg	98
83) 1,1,2,2-tetrachloroethane	14.313	83	2402209	383.97	ug/kg	97
84) 1,2,3-trichloropropane	14.461	75	2688921	406.81	ug/kg	100
85) n-propylbenzene	15.115	91	10375117	356.33	ug/kg	100
86) 2-chlorotoluene	15.236	91	6358678	354.84	ug/kg	100
87) 4-chlorotoluene	15.317	91	6363993	357.05	ug/kg	99
88) 1,3,5-trimethylbenzene	15.391	105	8110474	367.67	ug/kg	99
89) tert-butylbenzene	15.701	91	4283550	354.06	ug/kg	97
90) 1,2,4-trimethylbenzene	15.802	105	8007718	367.28	ug/kg	100
91) sec-butylbenzene	15.923	105	10850106	356.46	ug/kg	99
92) 1,3-dichlorobenzene	16.031	146	5161928	358.82	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62072.D
Acq On : 11 Dec 2013 6:20 pm
Operator : krystend
Sample : IC2169-400
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 12 08:47:58 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:27:58 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	9561277	360.93	ug/kg	99
94) 1,4-dichlorobenzene	16.098	146	5140212	350.75	ug/kg	99
95) 1,2-dichlorobenzene	16.098	146	5136424	358.69	ug/kg	98
96) n-butylbenzene	16.509	91	7837410	350.87	ug/kg	100
97) 1,2-dibromo-3-chloropr...	16.940	75	498181	366.74	ug/kg	99
98) 1,3,5-trichlorobenzene	17.756	180	3736800	356.52	ug/kg	99
99) 1,2,4-trichlorobenzene	18.301	180	3605121	361.73	ug/kg	98
100) hexachlorobutadiene	18.591	225	1575375	336.52	ug/kg	98
101) naphthalene	18.571	128	10495669	383.09	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	3484119	361.46	ug/kg	98
103) 2-methylnaphthalene	19.965	142	3067983	194.19	ug/kg	100
104) 1-methylnaphthalene	20.221	TIC	8173452	146.79	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.18

7

Quantitation Report (QT Reviewed)

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Acq On : 11 Dec 2013 6:20 pm
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Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:27:58 2013
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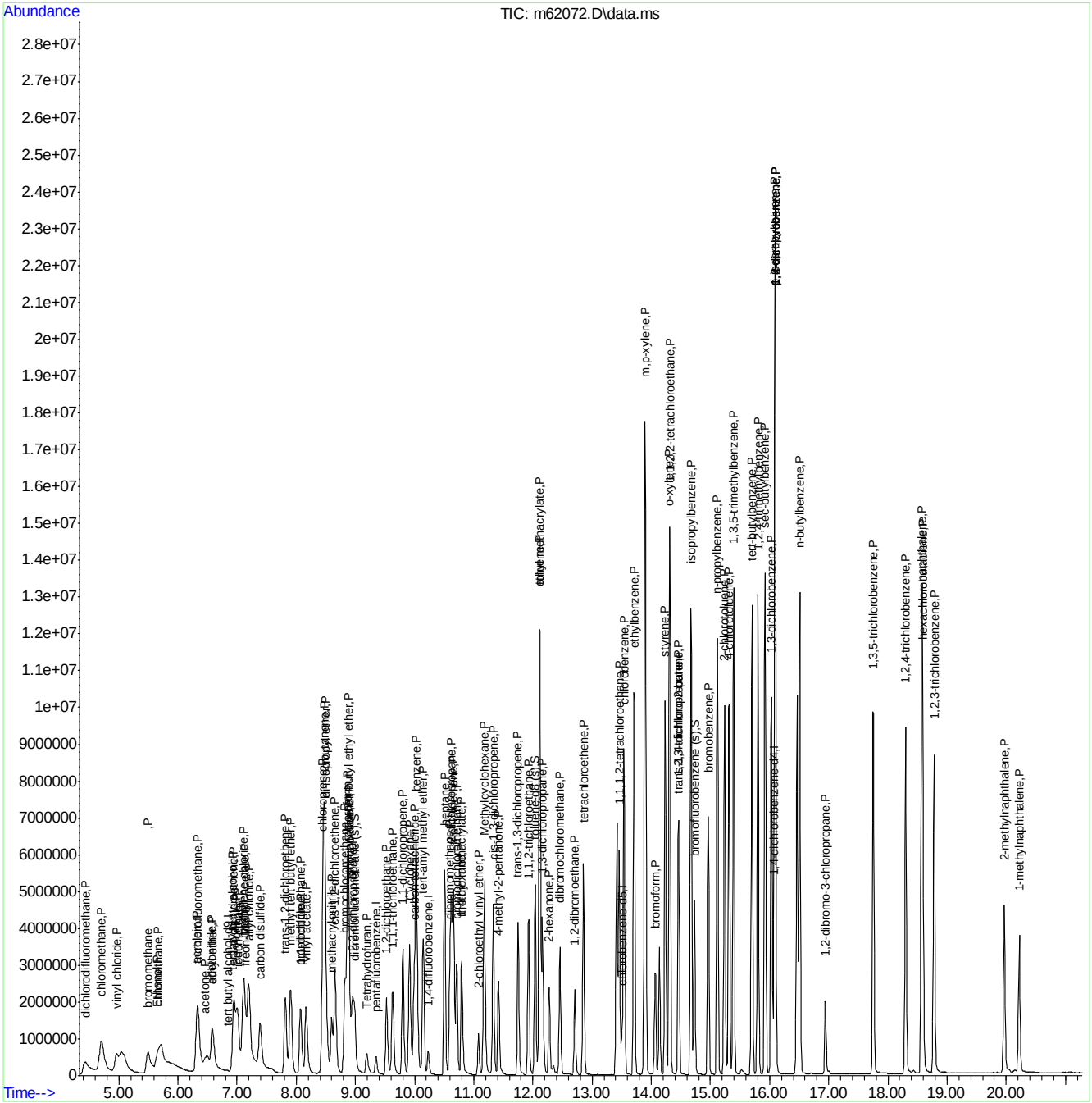
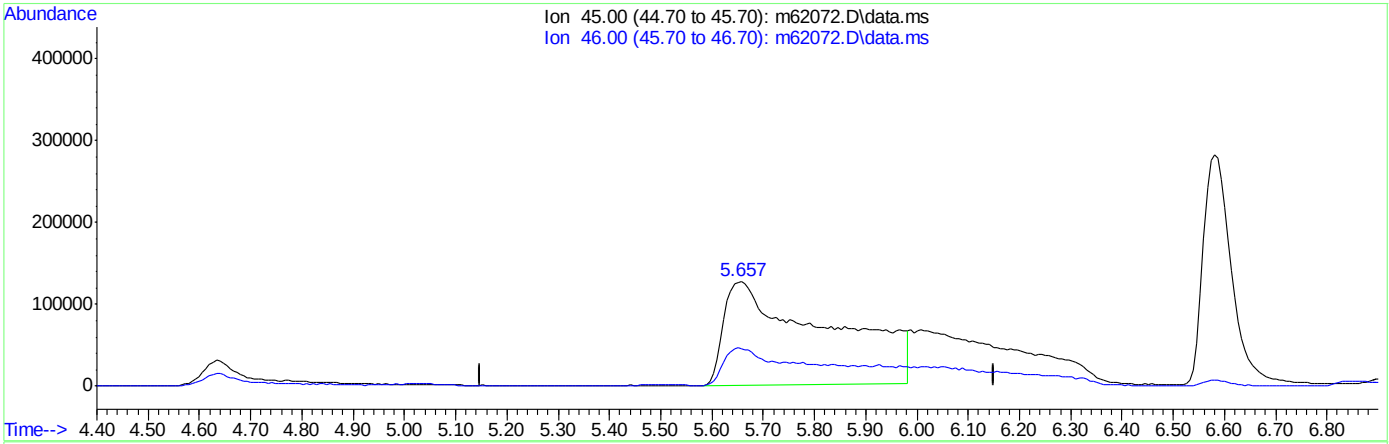
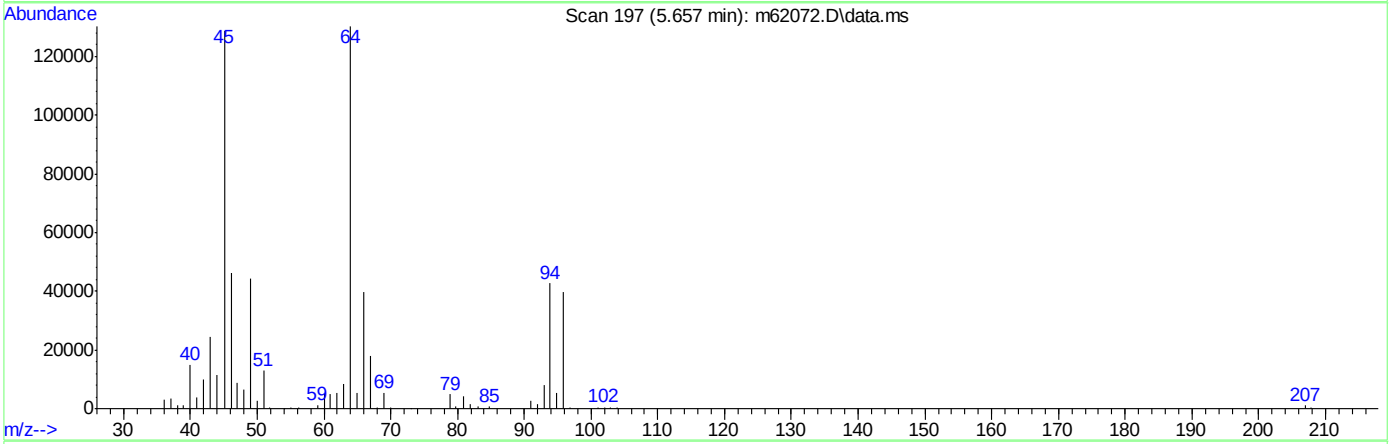


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62072.D
Acq On : 11 Dec 2013 6:20 pm
Operator : krystend
Sample : IC2169-400
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 12 08:28:07 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:27:58 2013
Response via : Initial Calibration





TIC: m62072.D\data.ms

(3) Ethanol (P)

5.657min (+0.007) 42817.24ug/kg m

response 1781326

Ion	Exp%	Act%
45.00	100	100
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62072.D
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Operator : krystend
Sample : IC2169-400
Misc : MS30736,MSM2169,5,,,5,1
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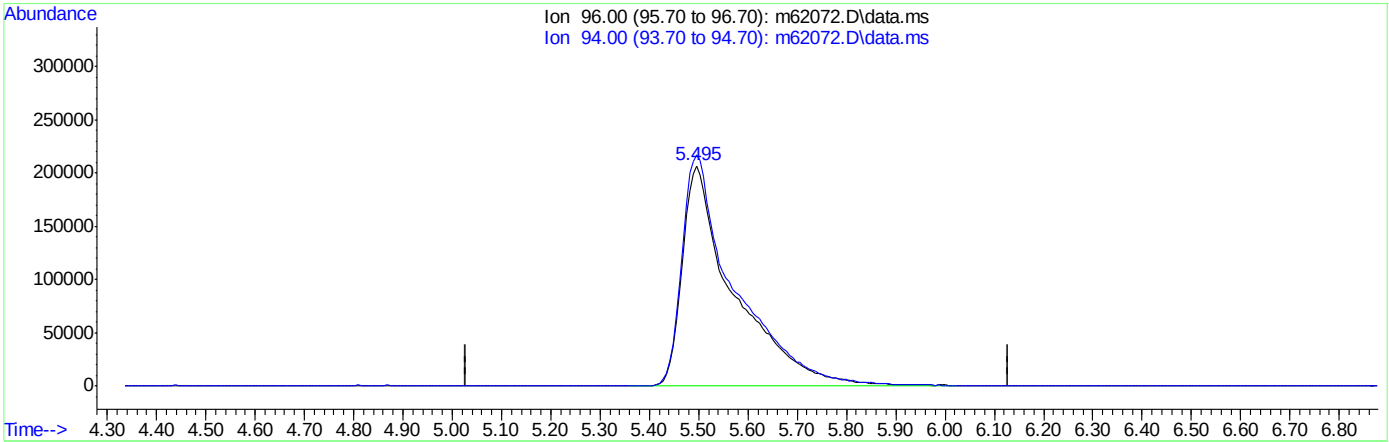
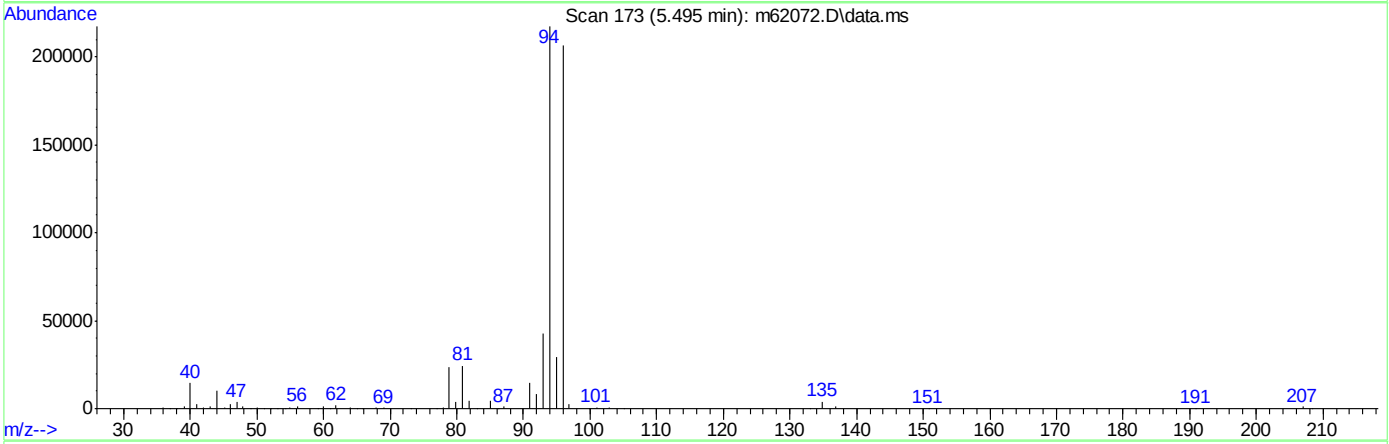
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:27:58 2013
Response via : Initial Calibration





TIC: m62072.D\data.ms

(8) bromomethane (P)

5.495min (+0.006) 384.95ug/kg m

response 1518440

Ion	Exp%	Act%
96.00	100	100
94.00	109.30	105.14
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
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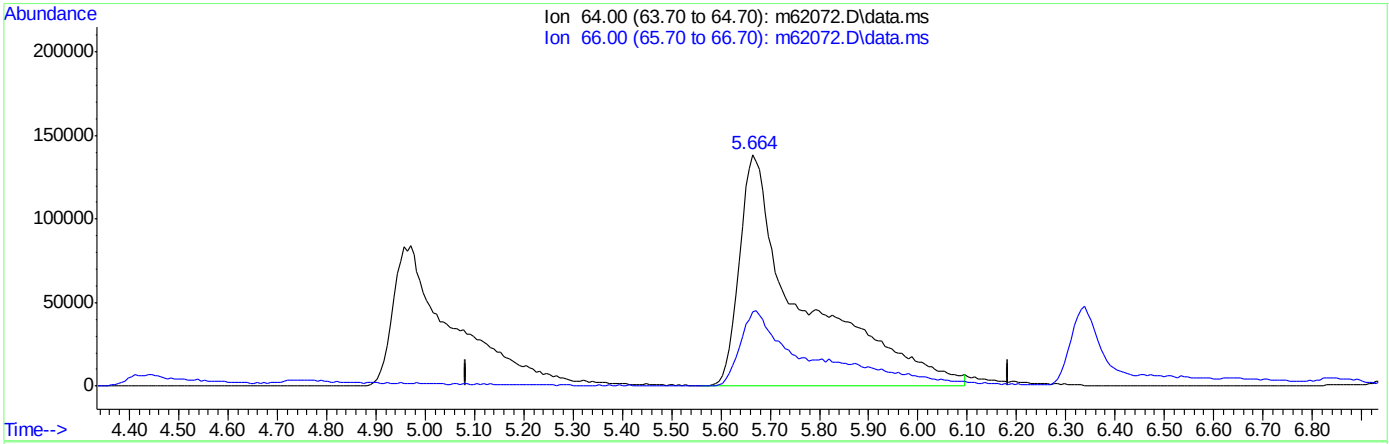
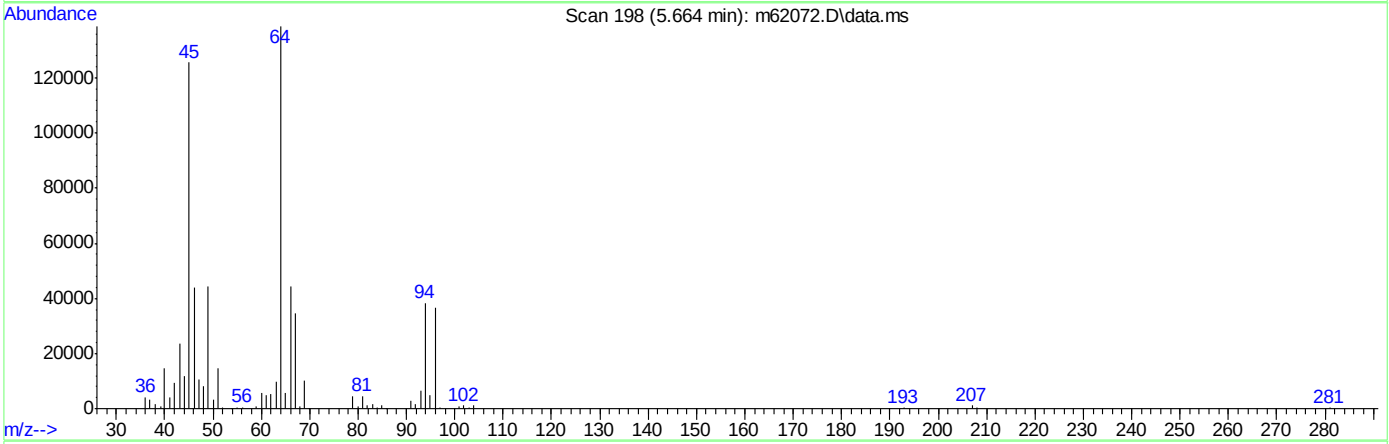
Response via : Initial Calibration





TIC: m62072.D\data.ms

(9) chloroethane (P)

5.664min (-0.000) 442.00ug/kg m

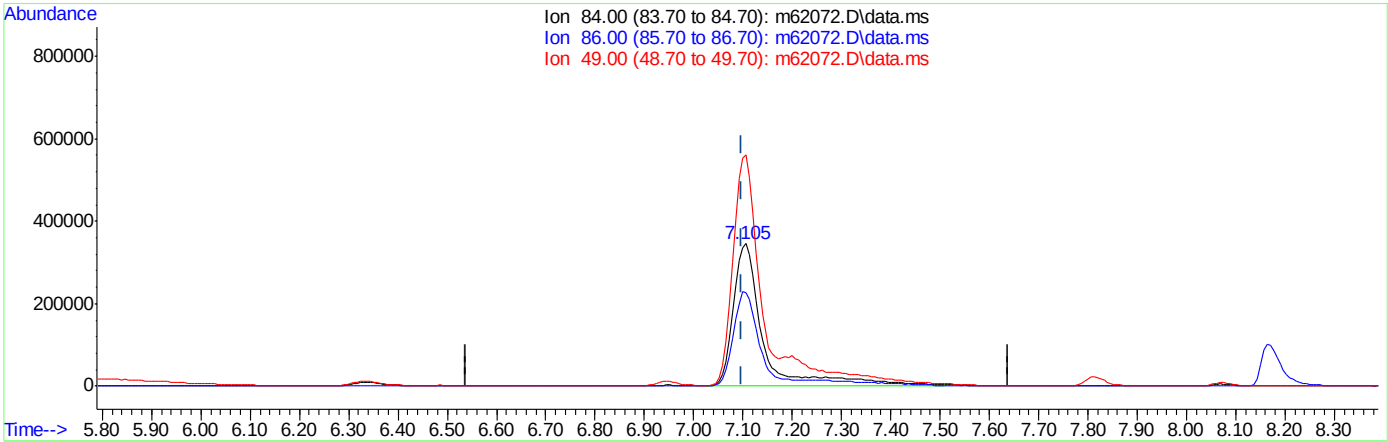
response 1246448

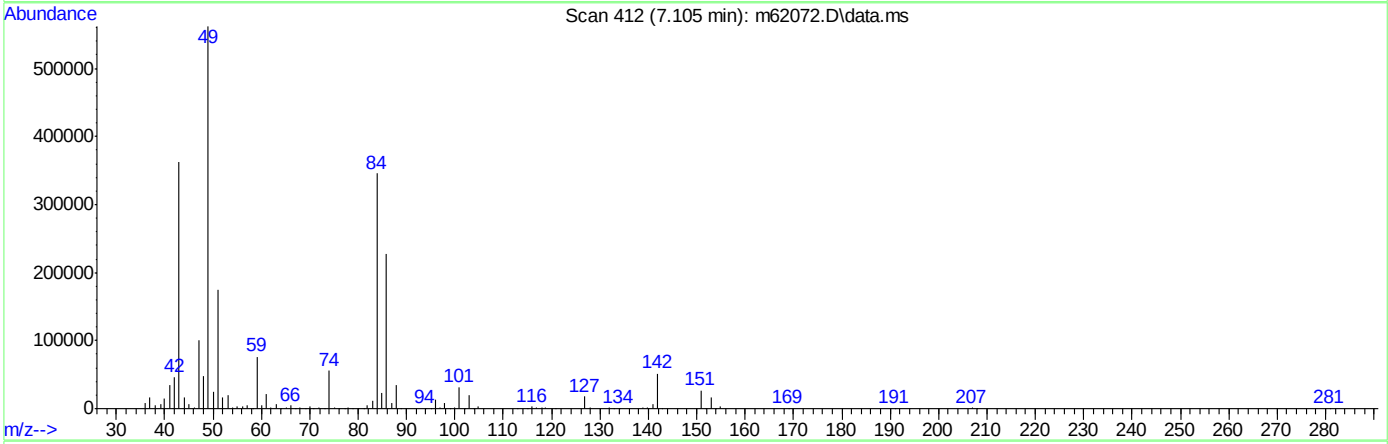
Ion	Exp%	Act%
64.00	100	100
66.00	28.60	32.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62072.D
Acq On : 11 Dec 2013 6:20 pm
Operator : krystend
Sample : IC2169-400
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 12 08:28:07 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:27:58 2013
Response via : Initial Calibration





TIC: m62072.D\data.ms

(18) methylene chloride (P)

7.105min (+0.006) 325.05ug/kg m

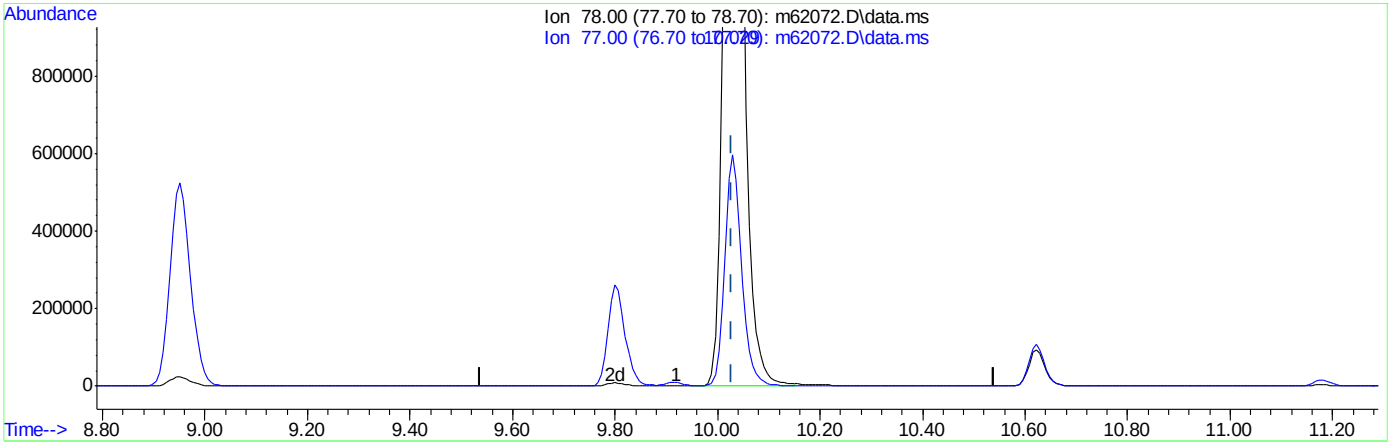
response 1477674

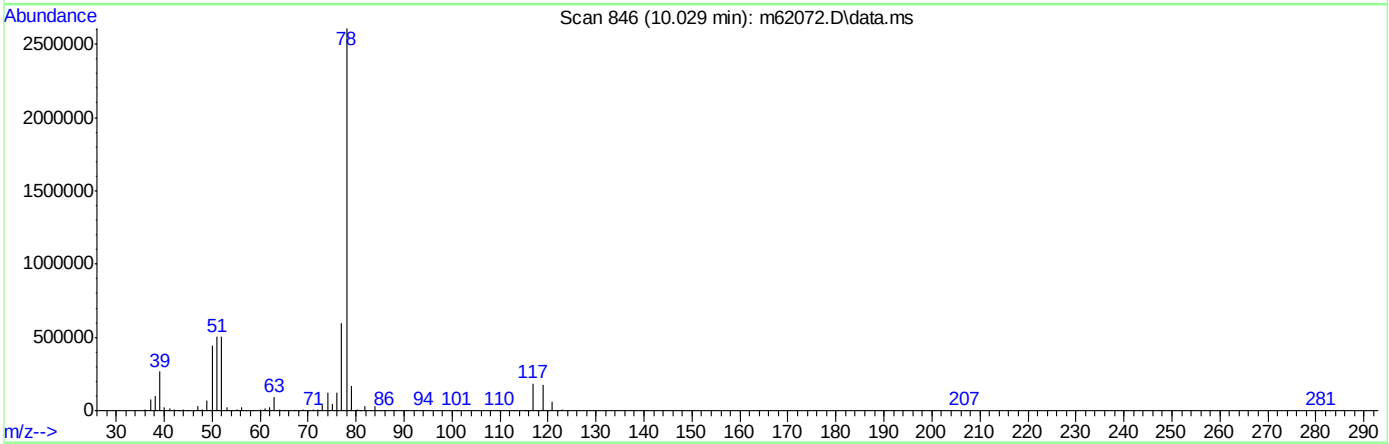
Ion	Exp%	Act%
84.00	100	100
86.00	67.80	65.80
49.00	167.00	162.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62072.D
Acq On : 11 Dec 2013 6:20 pm
Operator : krystend
Sample : IC2169-400
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 12 08:34:24 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:27:58 2013
Response via : Initial Calibration





TIC: m62072.D\data.ms

(46) benzene (P)

10.029min (-0.000) 324.77ug/kg m

response 6123157

Ion	Exp%	Act%
78.00	100	100
77.00	22.20	22.93
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26964

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/12/13 11:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62074.D
Acq On : 11 Dec 2013 7:18 pm
Operator : krystend
Sample : ICC2169-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 09:00:29 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:29:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	143288	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	414372	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	673820	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	294045	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	339775	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	200806m	50.38	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.76%			
59) toluene-d8 (s)	12.036	98	696783m	49.45	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.90%			
81) bromofluorobenzene (s)	14.731	95	286770	49.68	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.36%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	229722	453.45	ug/kg	97
3) Ethanol	5.657	45	165886m	4376.76	ug/kg	
5) dichlorodifluoromethane	4.438	85	176782	44.65	ug/kg	95
6) chloromethane	4.707	50	272633	43.21	ug/kg	100
7) vinyl chloride	4.970	62	274040	46.01	ug/kg	96
8) bromomethane ...	5.495	96	167575	43.51	ug/kg	99
9) chloroethane	5.677	64	132897m	47.32	ug/kg	
10) ethyl ether	6.580	59	148310	44.75	ug/kg	98
11) acetonitrile	6.580	41	45056	43.18	ug/kg	94
12) trichlorofluoromethane	6.337	101	318520	45.56	ug/kg	99
13) freon-113	7.159	101	164083	50.46	ug/kg	90
14) acrolein	6.331	56	211875	220.92	ug/kg	100
15) 1,1-dichloroethene	6.950	96	166635	43.44	ug/kg	94
16) acetone	6.546	58	33054	41.92	ug/kg	98
17) Methyl Acetate	7.139	43	233084	46.59	ug/kg	99
18) methylene chloride	7.105	84	187377m	43.02	ug/kg	
19) methyl tert butyl ether	7.900	73	390741	43.85	ug/kg	97
20) acrylonitrile	7.018	53	87656	45.53	ug/kg	95
21) allyl chloride	7.200	41	344739	45.02	ug/kg	99
22) trans-1,2-dichloroethene	7.819	96	192981	44.74	ug/kg	99
23) iodomethane	7.011	142	345238	46.82	ug/kg	95
24) carbon disulfide	7.388	76	502425	44.89	ug/kg	99
25) propionitrile	8.156	54	28616	43.53	ug/kg	100
26) vinyl acetate	8.176	43	431867	47.46	ug/kg	99
27) chloroprene	8.446	53	312161	45.42	ug/kg	100
28) di-isopropyl ether	8.486	45	753611	43.75	ug/kg	97
29) methacrylonitrile	8.601	41	124937	42.26	ug/kg	96
30) 2-butanone	8.513	72	28383	42.31	ug/kg#	90
31) 1,1-dichloroethane	8.075	63	343622	45.18	ug/kg	99
32) tert-butyl ethyl ether	8.884	59	483964	44.79	ug/kg	98
33) isobutyl alcohol	8.884	43	96350m	151.64	ug/kg	
34) 2,2-dichloropropane	8.951	77	204852	45.94	ug/kg	97
35) cis-1,2-dichloroethene	8.655	96	220220	43.81	ug/kg	93
36) ethyl acetate	8.884	43	131772m	44.04	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62074.D
Acq On : 11 Dec 2013 7:18 pm
Operator : krystend
Sample : ICC2169-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 09:00:29 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:29:43 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	120370	44.44	ug/kg	97
38) chloroform	8.864	83	331032	44.57	ug/kg	98
40) Tetrahydrofuran	9.194	42	73422	39.11	ug/kg	95
41) 1,1,1-trichloroethane	9.632	97	273774	45.68	ug/kg	98
43) Cyclohexane	9.914	56	359562	45.32	ug/kg	97
44) carbon tetrachloride	9.995	117	285182	46.30	ug/kg	99
45) 1,1-dichloropropene	9.800	75	240640	44.25	ug/kg	97
46) benzene	10.029	78	755242	46.18	ug/kg	98
47) 1,2-dichloroethane	9.524	62	245985	43.56	ug/kg	97
48) tert-amyl methyl ether	10.144	73	379924	45.85	ug/kg	99
49) heptane	10.507	43	387142	44.54	ug/kg	99
50) trichloroethene	10.655	95	218045	41.72	ug/kg	96
51) 1,2-dichloropropane	10.622	63	219979	44.41	ug/kg	99
52) dibromomethane	10.595	93	127323	43.53	ug/kg	96
53) bromodichloromethane	10.709	83	267671	45.17	ug/kg	99
54) Methylcyclohexane	11.181	83	337711	45.34	ug/kg	99
55) 2-chloroethyl vinyl ether	11.080	63	57419	44.41	ug/kg	99
56) methyl methacrylate	10.797	69	124158	43.65	ug/kg	97
57) 1,4-dioxane	10.810	88	9645	246.43	ug/kg	81
58) cis-1,3-dichloropropene	11.329	75	319091	45.07	ug/kg	100
60) 4-methyl-2-pentanone	11.417	43	236256	41.86	ug/kg	98
61) toluene	12.111	92	508962	45.17	ug/kg	94
62) trans-1,3-dichloropropene	11.754	75	260106	44.29	ug/kg	96
63) 1,1,2-trichloroethane	11.922	83	148818	44.48	ug/kg	93
64) ethyl methacrylate	12.124	69	236030	43.56	ug/kg	96
66) tetrachloroethene	12.858	166	243167	44.46	ug/kg	98
67) 1,3-dichloropropane	12.164	76	277911	45.15	ug/kg	98
68) dibromochloromethane	12.454	129	257355	46.28	ug/kg	99
69) 1,2-dibromoethane	12.710	107	200334	45.90	ug/kg	99
70) 2-hexanone	12.279	43	182686	38.81	ug/kg	98
71) chlorobenzene	13.539	112	673100	45.75	ug/kg	98
72) 1,1,1,2-tetrachloroethane	13.458	131	243696	46.10	ug/kg	99
73) ethylbenzene	13.707	91	988077	45.91	ug/kg	99
74) m,p-xylene	13.896	106	851283	93.11	ug/kg	98
75) o-xylene	14.307	106	432290	46.51	ug/kg	97
76) styrene	14.239	104	687493	46.54	ug/kg	96
77) bromoform	14.064	173	167786	44.87	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.455	53	76932	43.15	ug/kg	97
80) isopropylbenzene	14.670	105	1119475	45.33	ug/kg	99
82) bromobenzene	14.967	156	294231	44.62	ug/kg	99
83) 1,1,2,2-tetrachloroethane	14.313	83	253957	43.24	ug/kg	96
84) 1,2,3-trichloropropane	14.462	75	275462	44.08	ug/kg	99
85) n-propylbenzene	15.115	91	1230406	45.41	ug/kg	100
86) 2-chlorotoluene	15.236	91	741230	44.47	ug/kg	100
87) 4-chlorotoluene	15.317	91	736617	44.40	ug/kg	99
88) 1,3,5-trimethylbenzene	15.391	105	928071	45.05	ug/kg	96
89) tert-butylbenzene	15.701	91	501528	44.58	ug/kg	96
90) 1,2,4-trimethylbenzene	15.802	105	914078	44.90	ug/kg	98
91) sec-butylbenzene	15.923	105	1261214	44.52	ug/kg	99
92) 1,3-dichlorobenzene	16.031	146	592052	44.19	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62074.D
Acq On : 11 Dec 2013 7:18 pm
Operator : krystend
Sample : ICC2169-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 09:00:29 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:29:43 2013
Response via : Initial Calibration

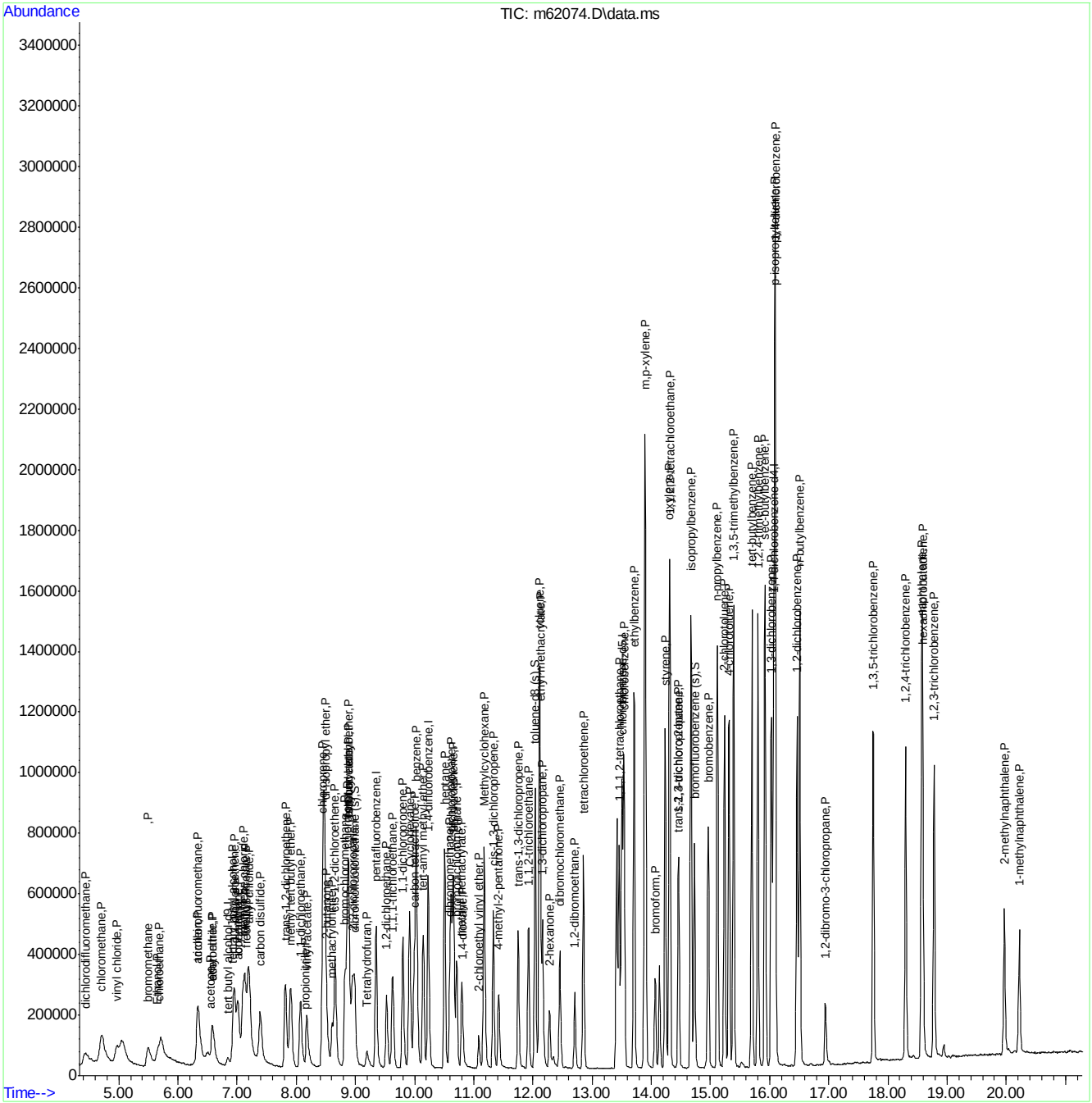
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	1087368	44.04	ug/kg	98
94) 1,4-dichlorobenzene	16.098	146	594988	43.71	ug/kg	98
95) 1,2-dichlorobenzene	16.462	146	596733	44.75	ug/kg	99
96) n-butylbenzene	16.509	91	914817	44.09	ug/kg	100
97) 1,2-dibromo-3-chloropr...	16.941	75	51039	40.30	ug/kg	98
98) 1,3,5-trichlorobenzene	17.756	180	419091	42.96	ug/kg	99
99) 1,2,4-trichlorobenzene	18.301	180	402752	43.35	ug/kg	99
100) hexachlorobutadiene	18.591	225	185921	42.95	ug/kg	94
101) naphthalene	18.571	128	1112739	43.28	ug/kg	100
102) 1,2,3-trichlorobenzene	18.780	180	393019	43.74	ug/kg	97
103) 2-methylnaphthalene	19.965	142	327994	22.09	ug/kg	98
104) 1-methylnaphthalene	20.221	TIC	932554	18.36	ug/kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62074.D
Acq On : 11 Dec 2013 7:18 pm
Operator : krystend
Sample : ICC2169-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

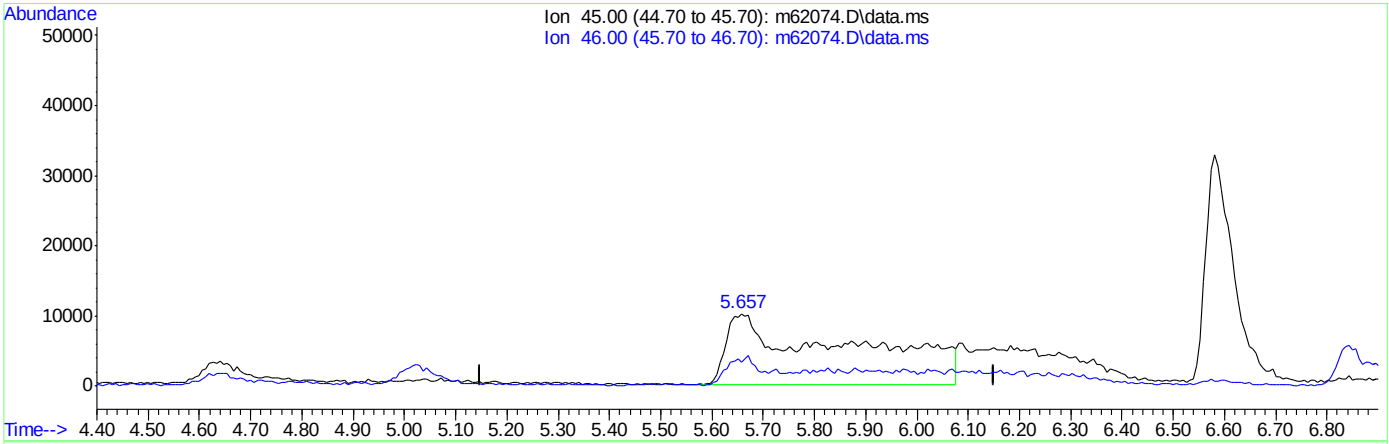
Quant Time: Dec 12 09:00:29 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:29:43 2013
Response via : Initial Calibration

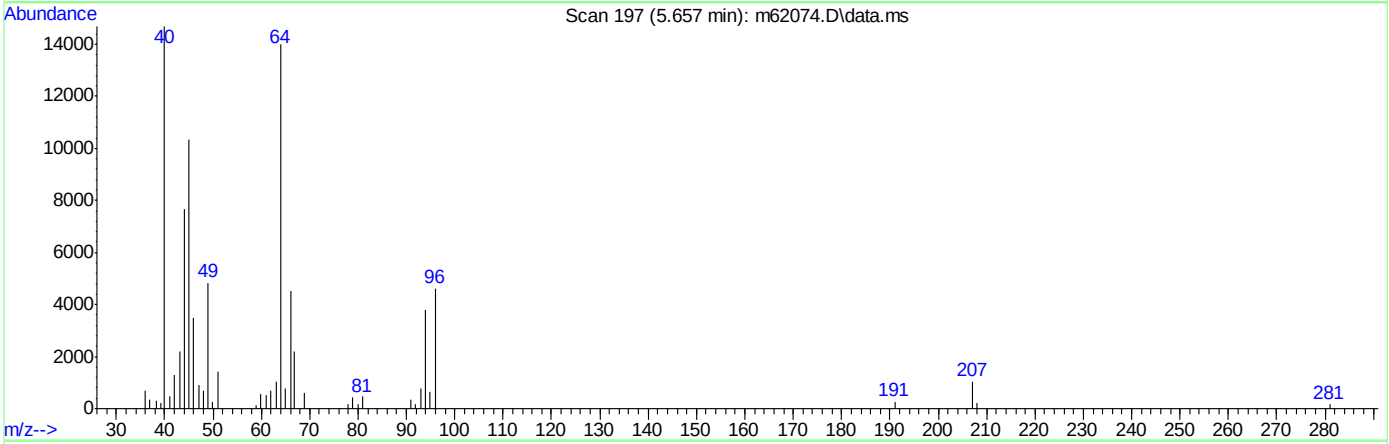


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62074.D
Acq On : 11 Dec 2013 7:18 pm
Operator : krystend
Sample : ICC2169-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 08:30:19 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:29:43 2013
Response via : Initial Calibration





TIC: m62074.D\data.ms

(3) Ethanol (P)

5.657min (+0.007) 4376.76ug/kg m

response 165886

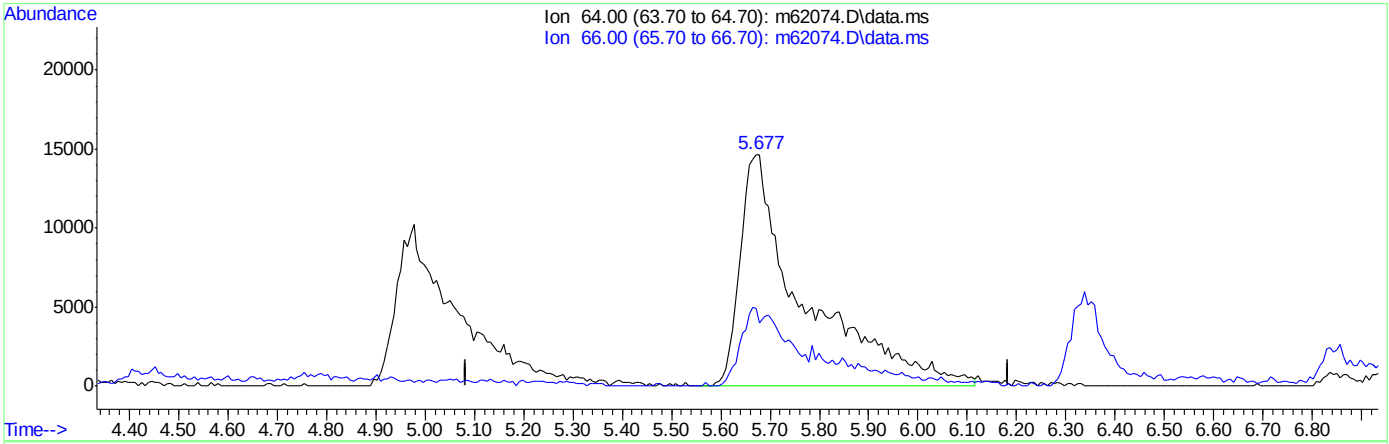
Ion	Exp%	Act%
45.00	100	100
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

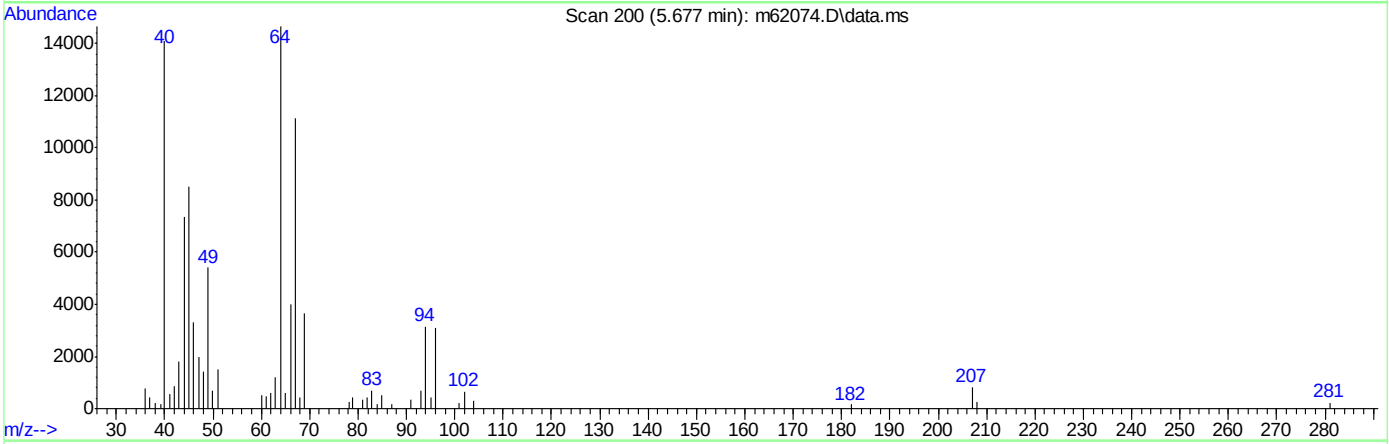
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62074.D
Acq On : 11 Dec 2013 7:18 pm
Operator : krystend
Sample : ICC2169-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 08:30:19 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:29:43 2013
Response via : Initial Calibration





TIC: m62074.D\data.ms

(9) chloroethane (P)

5.677min (+0.013) 47.32ug/kg m

response 132897

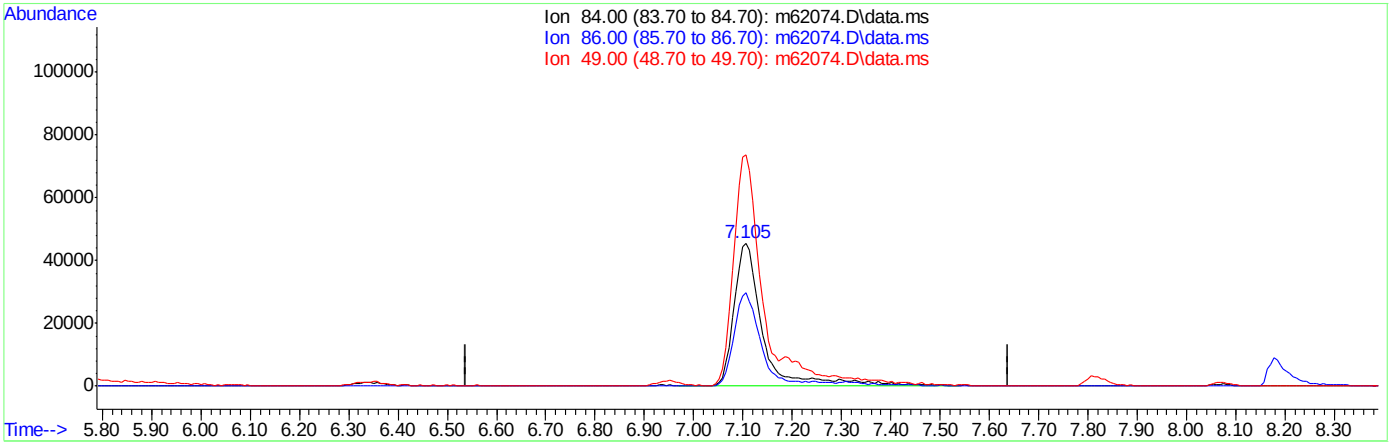
Ion	Exp%	Act%
64.00	100	100
66.00	28.60	27.31
0.00	0.00	0.00
0.00	0.00	0.00

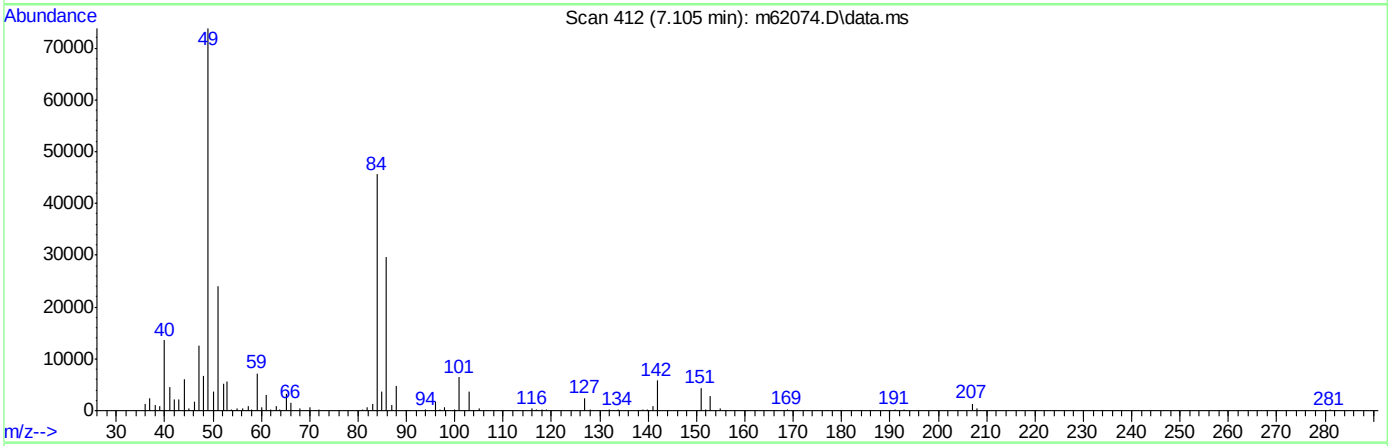
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62074.D
Acq On : 11 Dec 2013 7:18 pm
Operator : krystend
Sample : ICC2169-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 08:30:19 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:29:43 2013
Response via : Initial Calibration





TIC: m62074.D\data.ms

(18) methylene chloride (P)

7.105min (+0.006) 43.02ug/kg m

response 187377

Ion	Exp%	Act%
84.00	100	100
86.00	67.80	64.87
49.00	167.00	161.69
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26964

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62076.D
Acq On : 11 Dec 2013 8:17 pm
Operator : krystend
Sample : IC2169-2
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 12 08:31:55 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:31:45 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.829	65	135914	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	394739	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	634823	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	264300	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	314785	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	9211	2.32	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.64%#		
59) toluene-d8 (s)	12.043	98	30308	2.17	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.34%#		
81) bromofluorobenzene (s)	14.738	95	12186	2.18	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.36%#		
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.944	59	7216	15.06	ug/kg	99
3) Ethanol	5.684	45	6183	173.39	ug/kg#	40
5) dichlorodifluoromethane	4.445	85	7943	2.12	ug/kg	81
6) chloromethane	4.687	50	12190	2.02	ug/kg	87
7) vinyl chloride	4.970	62	11410	2.00	ug/kg	85
8) bromomethane ...	5.496	96	9317	2.52	ug/kg	78
10) ethyl ether	6.614	59	5798	1.82	ug/kg	84
12) trichlorofluoromethane	6.324	101	10422	1.56	ug/kg	98
13) freon-113	7.139	101	5091	1.60	ug/kg	92
14) acrolein	6.418	56	8521	9.33	ug/kg	94
15) 1,1-dichloroethene	6.951	96	10499	2.83	ug/kg	85
17) Methyl Acetate	7.260	43	5902	1.24	ug/kg#	39
18) methylene chloride	7.092	84	8037	1.91	ug/kg	88
19) methyl tert butyl ether	7.900	73	16928	1.98	ug/kg	97
21) allyl chloride	7.200	41	12687	1.71	ug/kg	87
22) trans-1,2-dichloroethene	7.806	96	9200	2.19	ug/kg	95
23) iodomethane	7.011	142	12545	1.75	ug/kg	99
24) carbon disulfide	7.388	76	18866	1.74	ug/kg	100
26) vinyl acetate	8.264	43	11169	1.28	ug/kg	81
27) chloroprene	8.446	53	11977	1.79	ug/kg	96
28) di-isopropyl ether	8.480	45	29844	1.79	ug/kg	91
29) methacrylonitrile	8.466	41	15638	5.58	ug/kg#	44
31) 1,1-dichloroethane	8.069	63	13647	1.85	ug/kg	96
32) tert-butyl ethyl ether	8.884	59	17402	1.67	ug/kg	91
34) 2,2-dichloropropane	8.951	77	8590	1.97	ug/kg	94
35) cis-1,2-dichloroethene	8.655	96	10750	2.21	ug/kg	88
38) chloroform	8.857	83	13705	1.90	ug/kg	87
41) 1,1,1-trichloroethane	9.632	97	11569	1.98	ug/kg	94
43) Cyclohexane	9.915	56	14226	1.86	ug/kg	93
44) carbon tetrachloride	9.995	117	11539	1.94	ug/kg	99
45) 1,1-dichloropropene	9.793	75	10421	1.99	ug/kg	88
46) benzene	10.029	78	31483	2.01	ug/kg	94
47) 1,2-dichloroethane	9.524	62	10506	1.95	ug/kg	91
48) tert-amyl methyl ether	10.144	73	15485	1.96	ug/kg	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62076.D
Acq On : 11 Dec 2013 8:17 pm
Operator : krystend
Sample : IC2169-2
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 12 08:31:55 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:31:45 2013
Response via : Initial Calibration

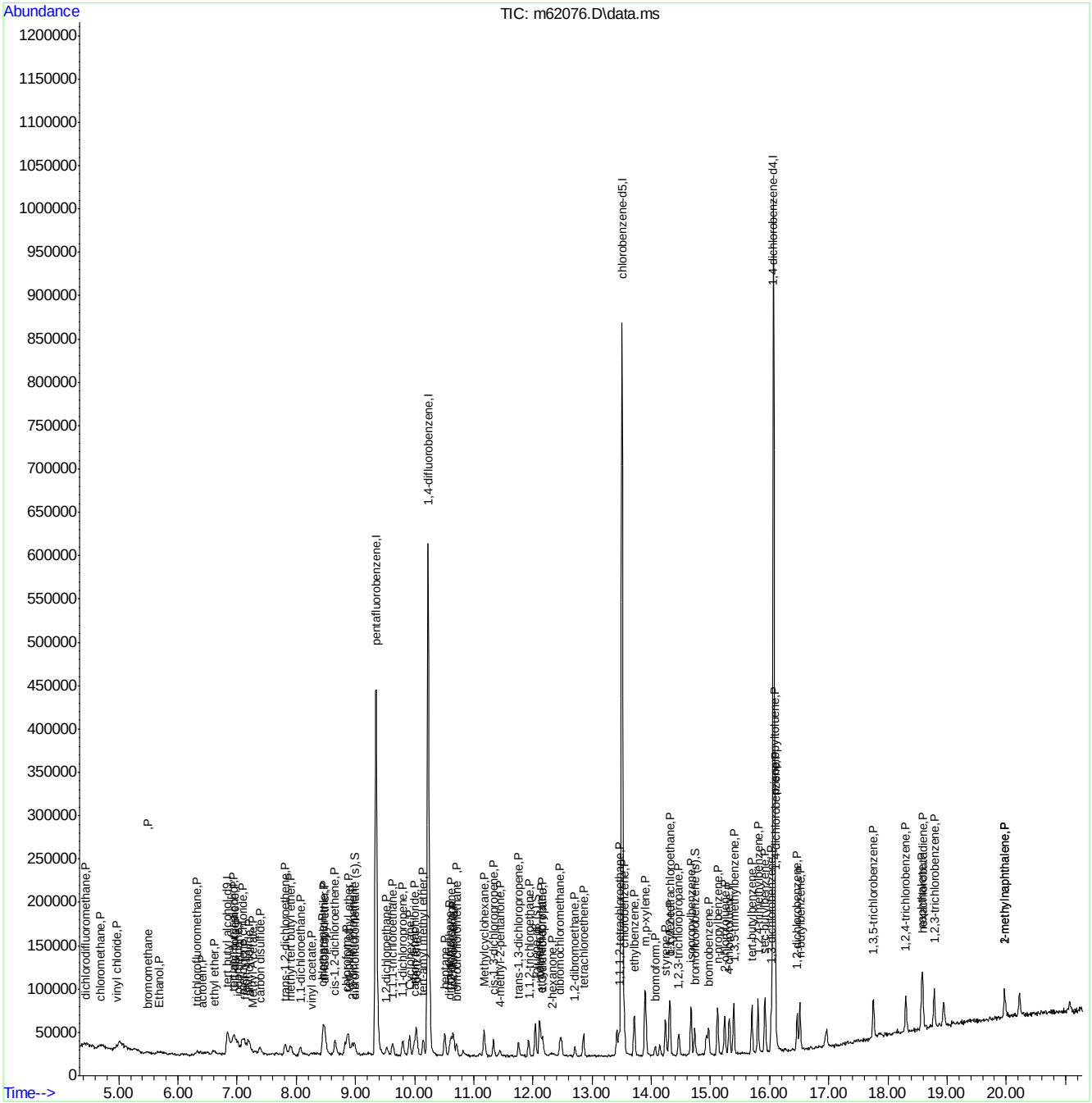
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) heptane	10.507	43	17900	2.14	ug/kg	95
50) trichloroethene	10.656	95	8488	1.70	ug/kg	96
51) 1,2-dichloropropane	10.622	63	9143	1.93	ug/kg	100
52) dibromomethane	10.595	93	5589	2.02	ug/kg	85
53) bromodichloromethane	10.709	83	10298	1.82	ug/kg	89
54) Methylcyclohexane	11.181	83	12926	1.80	ug/kg	92
58) cis-1,3-dichloropropene	11.336	75	12492	1.85	ug/kg	99
60) 4-methyl-2-pentanone	11.444	43	10503	1.99	ug/kg#	47
61) toluene	12.111	92	19925	1.84	ug/kg	96
62) trans-1,3-dichloropropene	11.754	75	9567	1.71	ug/kg	96
63) 1,1,2-trichloroethane	11.935	83	5318	1.67	ug/kg#	81
64) ethyl methacrylate	12.138	69	7947	1.56	ug/kg	97
66) tetrachloroethene	12.858	166	9237	1.84	ug/kg	93
67) 1,3-dichloropropane	12.165	76	10881	1.95	ug/kg	98
68) dibromochloromethane	12.461	129	10238	2.02	ug/kg	94
69) 1,2-dibromoethane	12.710	107	8013	2.03	ug/kg	99
70) 2-hexanone	12.333	43	10947	2.65	ug/kg#	60
71) chlorobenzene	13.539	112	25975	1.93	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.458	131	9400	1.94	ug/kg	93
73) ethylbenzene	13.714	91	39469	2.00	ug/kg	99
74) m,p-xylene	13.896	106	32502	3.88	ug/kg	96
75) o-xylene	14.313	106	15828	1.86	ug/kg	96
76) styrene	14.239	104	25765	1.91	ug/kg	90
77) bromoform	14.071	173	6529	1.93	ug/kg	90
80) isopropylbenzene	14.670	105	41232	1.76	ug/kg	99
82) bromobenzene	14.974	156	11880	1.92	ug/kg	92
83) 1,1,2,2-tetrachloroethane	14.313	83	9339	1.71	ug/kg	98
84) 1,2,3-trichloropropane	14.462	75	10193	1.76	ug/kg	95
85) n-propylbenzene	15.122	91	45323	1.77	ug/kg	96
86) 2-chlorotoluene	15.243	91	28317	1.80	ug/kg	98
87) 4-chlorotoluene	15.317	91	25711	1.65	ug/kg	98
88) 1,3,5-trimethylbenzene	15.398	105	35397	1.82	ug/kg	94
89) tert-butylbenzene	15.701	91	19023	1.79	ug/kg	86
90) 1,2,4-trimethylbenzene	15.802	105	35965	1.87	ug/kg	96
91) sec-butylbenzene	15.923	105	47461	1.78	ug/kg	100
92) 1,3-dichlorobenzene	16.031	146	23019	1.83	ug/kg	96
93) p-isopropyltoluene	16.092	119	41017	1.76	ug/kg	97
94) 1,4-dichlorobenzene	16.099	146	24704	1.93	ug/kg	99
95) 1,2-dichlorobenzene	16.469	146	22294	1.78	ug/kg	99
96) n-butylbenzene	16.516	91	34924	1.79	ug/kg	99
98) 1,3,5-trichlorobenzene	17.756	180	16246	1.78	ug/kg	96
99) 1,2,4-trichlorobenzene	18.301	180	16275	1.88	ug/kg	94
100) hexachlorobutadiene	18.591	225	7906	1.94	ug/kg	97
101) naphthalene	18.578	128	50922	2.13	ug/kg	100
102) 1,2,3-trichlorobenzene	18.786	180	16911	2.02	ug/kg	98
103) 2-methylnaphthalene	19.972	142	21688	1.57	ug/kg	95
104) 1-methylnaphthalene	19.972	TIC	80026	1.70	ug/kg	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131211S\
Data File : m62076.D
Acq On : 11 Dec 2013 8:17 pm
Operator : krystend
Sample : IC2169-2
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 12 08:31:55 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 08:31:45 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC26964

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/12/13 11:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 11:10:53 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	126515	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	401156	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	640694	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	281572	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	335156	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	187617	52.24	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.48%			
59) toluene-d8 (s)	12.037	98	708442	49.92	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.84%			
81) bromofluorobenzene (s)	14.731	95	271103	51.68	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.36%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.924	59	267005	617.93	ug/kg	99
3) Ethanol	5.644	45	179581	5538.76	ug/kg	98
5) dichlorodifluoromethane	4.451	85	159901	41.99	ug/kg	99
6) chloromethane	4.714	50	303434	52.20	ug/kg	97
7) vinyl chloride	4.977	62	238157	42.41	ug/kg	95
8) bromomethane ...	5.502	96	175224	47.39	ug/kg	90
9) chloroethane	5.671	64	141509m	51.93	ug/kg	
10) ethyl ether	6.580	59	195071	61.87	ug/kg	96
11) acetonitrile	6.573	41	52696	52.16	ug/kg	89
12) trichlorofluoromethane	6.344	101	316504	48.71	ug/kg	95
13) freon-113	7.153	101	200556m	64.01	ug/kg	
14) acrolein	6.358	56	33637	36.79	ug/kg	94
15) 1,1-dichloroethene	6.944	96	232239	62.09	ug/kg	99
16) acetone	6.472	58	43399m	57.67	ug/kg	
17) Methyl Acetate	7.126	43	243713	51.69	ug/kg	94
18) methylene chloride	7.099	84	250129	61.02	ug/kg	96
19) methyl tert butyl ether	7.907	73	473865	55.78	ug/kg	100
20) acrylonitrile	6.998	53	182835	98.73	ug/kg	91
21) allyl chloride	7.193	41	437139	59.47	ug/kg	98
22) trans-1,2-dichloroethene	7.806	96	247092	59.33	ug/kg	97
23) iodomethane	7.005	142	440408m	62.07	ug/kg	
24) carbon disulfide	7.389	76	639308m	59.71	ug/kg	
25) propionitrile	8.156	54	35014	55.78	ug/kg	100
26) vinyl acetate	8.170	43	447216	50.98	ug/kg	99
27) chloroprene	8.439	53	410775	62.05	ug/kg	100
28) di-isopropyl ether	8.480	45	901173	55.38	ug/kg	95
29) methacrylonitrile	8.601	41	155874	54.58	ug/kg	95
30) 2-butanone	8.493	72	41397m	65.84	ug/kg	
31) 1,1-dichloroethane	8.069	63	431279	59.46	ug/kg	100
32) tert-butyl ethyl ether	8.884	59	598902	58.75	ug/kg	99
33) isobutyl alcohol	8.884	43	105721m	235.87	ug/kg	
34) 2,2-dichloropropane	8.945	77	251737	58.85	ug/kg	97
35) cis-1,2-dichloroethene	8.655	96	272475	56.49	ug/kg	92
36) ethyl acetate	8.884	43	142134m	47.87	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 11:10:53 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	153438	57.71	ug/kg	95
38) chloroform	8.864	83	401922	56.48	ug/kg	99
40) Tetrahydrofuran	9.194	42	90667	50.37	ug/kg	100
41) 1,1,1-trichloroethane	9.625	97	330202	57.23	ug/kg	97
43) Cyclohexane	9.915	56	426693	57.61	ug/kg	98
44) carbon tetrachloride	9.995	117	350312	59.50	ug/kg	99
45) 1,1-dichloropropene	9.800	75	301062	58.65	ug/kg	99
46) benzene	10.029	78	938437	55.32	ug/kg	98
47) 1,2-dichloroethane	9.524	62	303176	56.80	ug/kg	98
48) tert-amyl methyl ether	10.144	73	459449	58.43	ug/kg	98
49) heptane	10.507	43	448076	53.94	ug/kg	99
50) trichloroethene	10.656	95	266511	54.42	ug/kg	96
51) 1,2-dichloropropane	10.622	63	264810	56.41	ug/kg	100
52) dibromomethane	10.595	93	158772	57.47	ug/kg	96
53) bromodichloromethane	10.710	83	323421	57.98	ug/kg	99
54) Methylcyclohexane	11.174	83	421144	60.53	ug/kg	98
55) 2-chloroethyl vinyl ether	11.080	63	73157	59.48	ug/kg	95
56) methyl methacrylate	10.797	69	151498	55.96	ug/kg	97
57) 1,4-dioxane	10.797	88	11085	273.77	ug/kg	75
58) cis-1,3-dichloropropene	11.329	75	374292	55.62	ug/kg	97
60) 4-methyl-2-pentanone	11.417	43	294756	55.94	ug/kg	99
61) toluene	12.111	92	623468	58.45	ug/kg	96
62) trans-1,3-dichloropropene	11.747	75	338166	61.61	ug/kg	99
63) 1,1,2-trichloroethane	11.922	83	179180	57.48	ug/kg	96
64) ethyl methacrylate	12.124	69	285124	57.21	ug/kg	98
66) tetrachloroethene	12.852	166	295824	56.90	ug/kg	96
67) 1,3-dichloropropane	12.158	76	344179	59.18	ug/kg	99
68) dibromochloromethane	12.454	129	318119m	59.94	ug/kg	
69) 1,2-dibromoethane	12.710	107	244462	58.80	ug/kg	91
70) 2-hexanone	12.279	43	304775	67.51	ug/kg	99
71) chlorobenzene	13.539	112	789717	56.75	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.458	131	305466	60.75	ug/kg	98
73) ethylbenzene	13.707	91	1193212	58.11	ug/kg	100
74) m,p-xylene	13.896	106	1019575	116.65	ug/kg	98
75) o-xylene	14.307	106	508808	57.71	ug/kg	99
76) styrene	14.233	104	841480	59.95	ug/kg	98
77) bromoform	14.064	173	211330m	59.95	ug/kg	
78) trans-1,4-dichloro-2-b...	14.455	53	99552	58.66	ug/kg	98
80) isopropylbenzene	14.671	105	1306102	54.03	ug/kg	99
82) bromobenzene	14.967	156	362227	56.28	ug/kg	99
83) 1,1,2,2-tetrachloroethane	14.313	83	328151	58.01	ug/kg	94
84) 1,2,3-trichloropropane	14.462	75	343565	56.68	ug/kg	98
85) n-propylbenzene	15.115	91	1383497	52.12	ug/kg	99
86) 2-chlorotoluene	15.236	91	863608	53.16	ug/kg	97
87) 4-chlorotoluene	15.310	91	894483	55.82	ug/kg	96
88) 1,3,5-trimethylbenzene	15.391	105	1105386	54.57	ug/kg	95
89) tert-butylbenzene	15.701	91	578866	52.76	ug/kg	99
90) 1,2,4-trimethylbenzene	15.802	105	1090704	54.43	ug/kg	98
91) sec-butylbenzene	15.923	105	1487963	53.92	ug/kg	100
92) 1,3-dichlorobenzene	16.031	146	732046	56.25	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 11:10:53 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

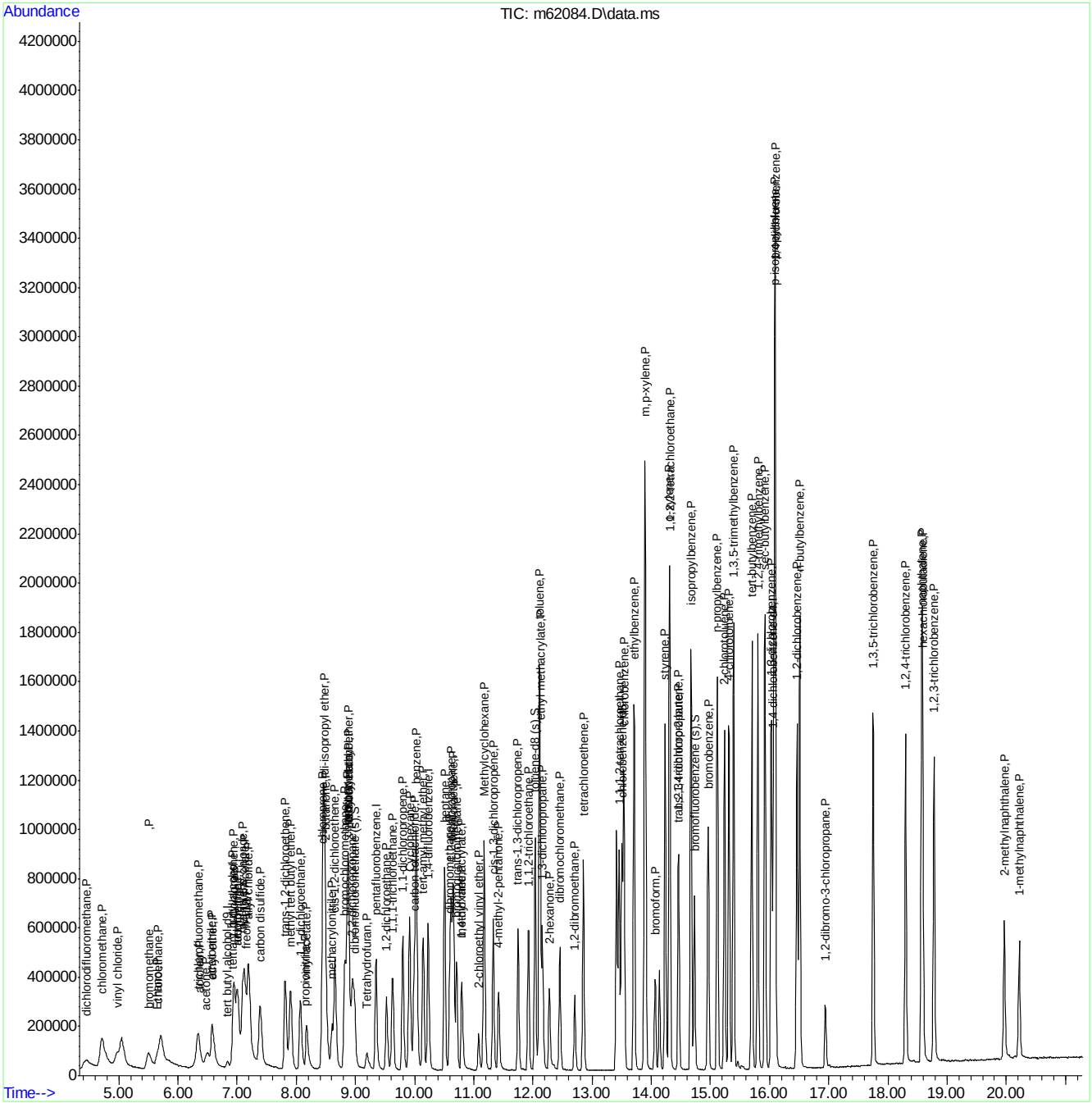
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	1333020	55.57	ug/kg	98
94) 1,4-dichlorobenzene	16.099	146	764778	57.43	ug/kg	98
95) 1,2-dichlorobenzene	16.462	146	726509	56.07	ug/kg	99
96) n-butylbenzene	16.510	91	1127118	55.85	ug/kg	100
97) 1,2-dibromo-3-chloropr...	16.941	75	63315	51.24	ug/kg	96
98) 1,3,5-trichlorobenzene	17.749	180	539075	56.94	ug/kg	100
99) 1,2,4-trichlorobenzene	18.301	180	527216	58.31	ug/kg	94
100) hexachlorobutadiene	18.591	225	238034	56.41	ug/kg	100
101) naphthalene	18.571	128	1396234	54.76	ug/kg	100
102) 1,2,3-trichlorobenzene	18.780	180	501191	56.77	ug/kg	100
103) 2-methylnaphthalene	19.965	142	398268	27.69	ug/kg	99
104) 1-methylnaphthalene	20.221	TIC	1129754	27.23	ug/kg	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

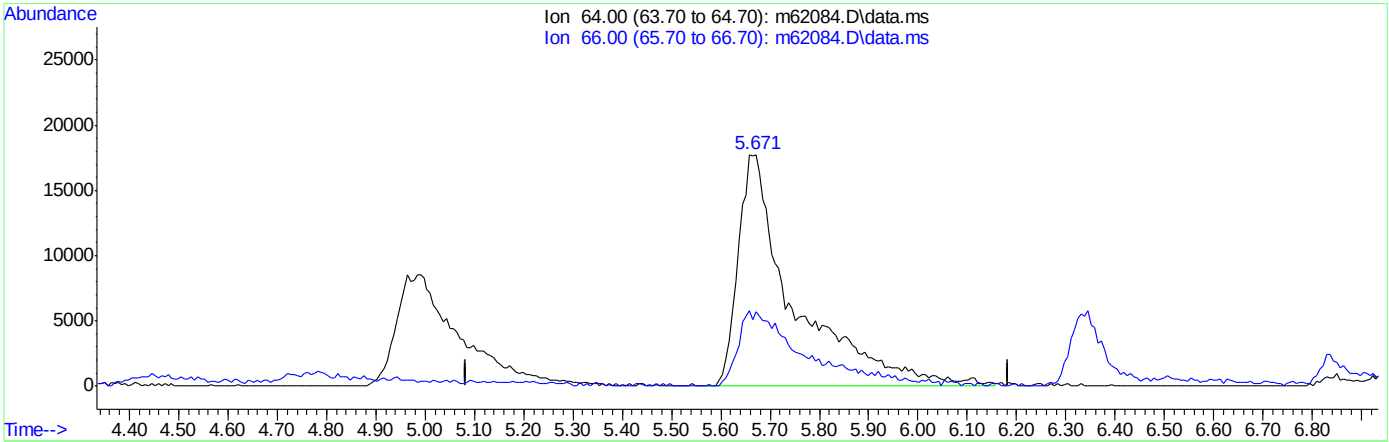
Quant Time: Dec 12 11:10:53 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

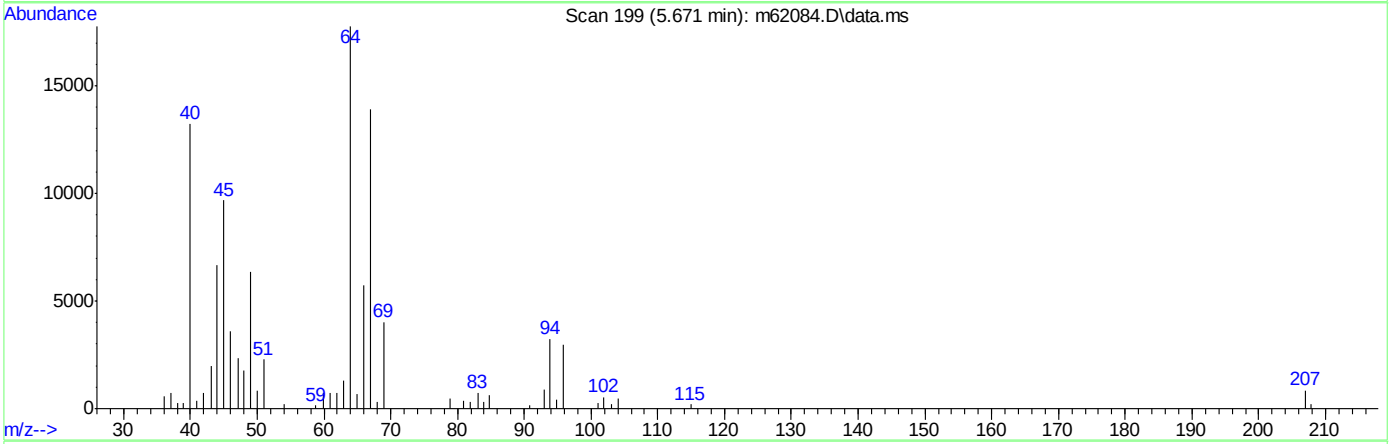


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2170,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:24:23 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(9) chloroethane (P)

5.671min (+0.007) 51.93ug/kg m

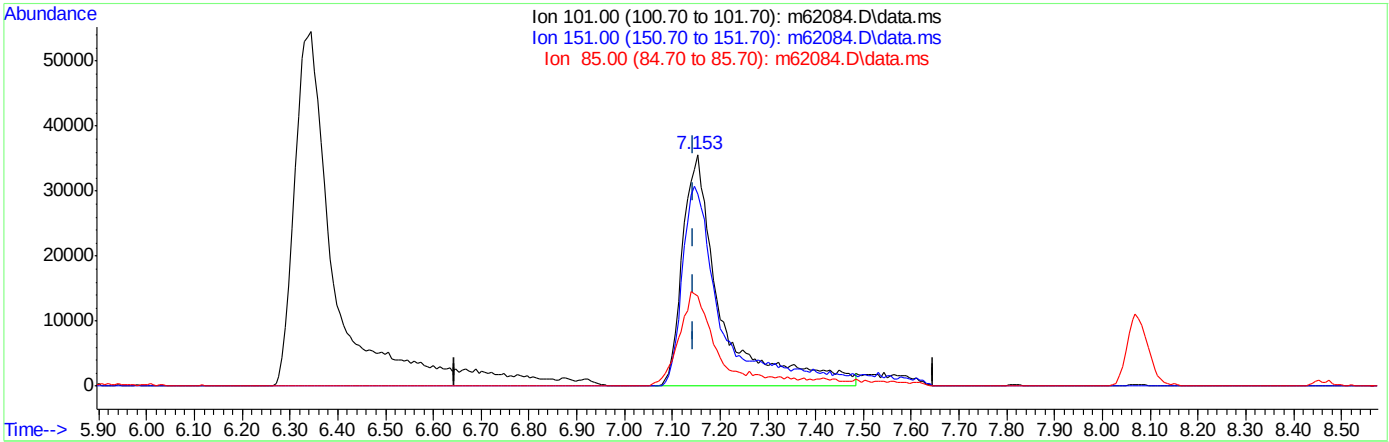
response 141509

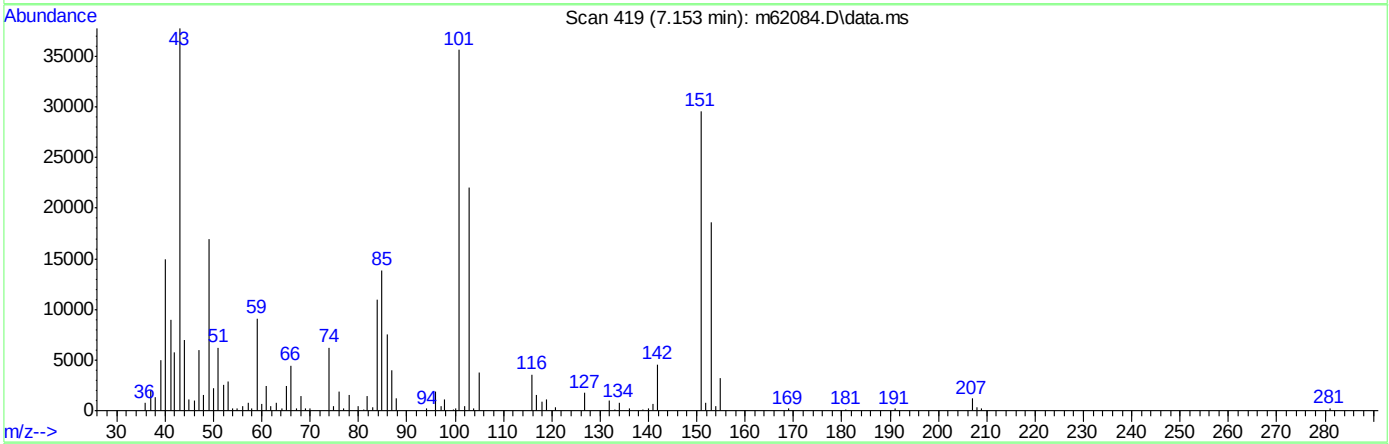
Ion	Exp%	Act%
64.00	100	100
66.00	28.60	32.28
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2170,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:24:23 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(13) freon-113 (P)

7.153min (+0.007) 64.01ug/kg m

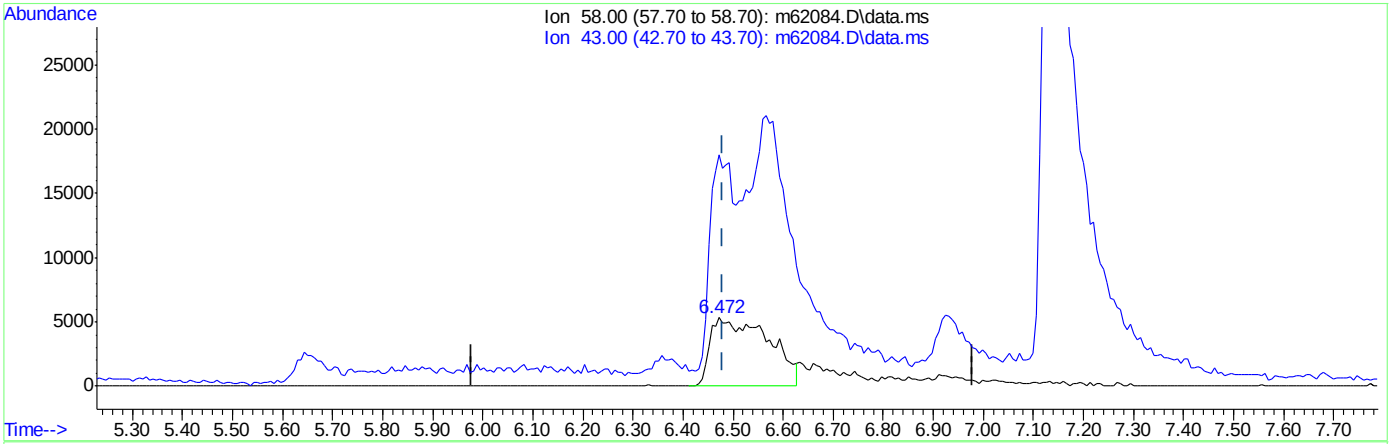
response 200556

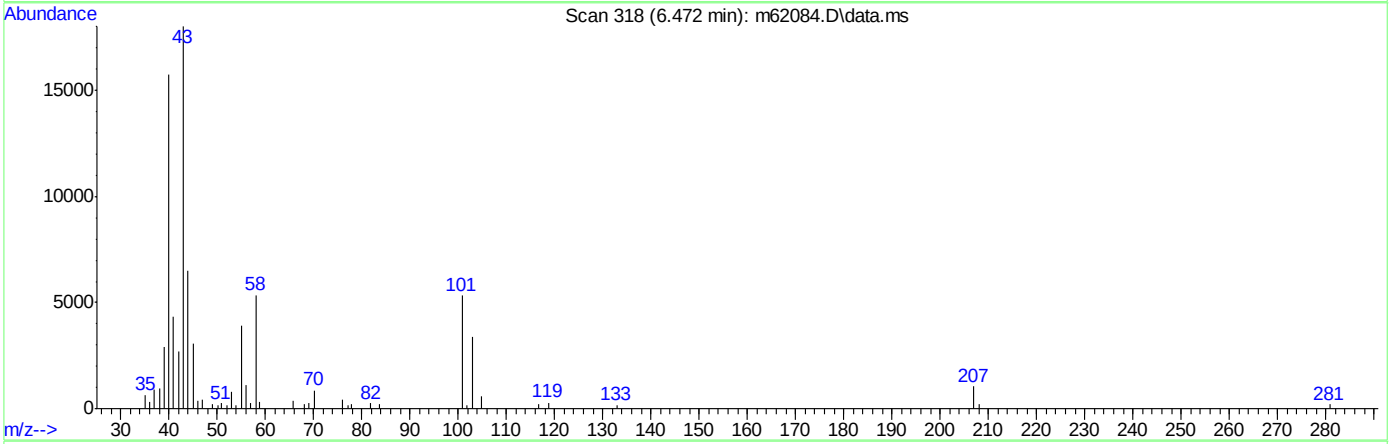
Ion	Exp%	Act%
101.00	100	100
151.00	91.00	83.00
85.00	39.40	38.90
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2170,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:24:23 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(16) acetone (P)

6.472min (-0.007) 57.67ug/kg m

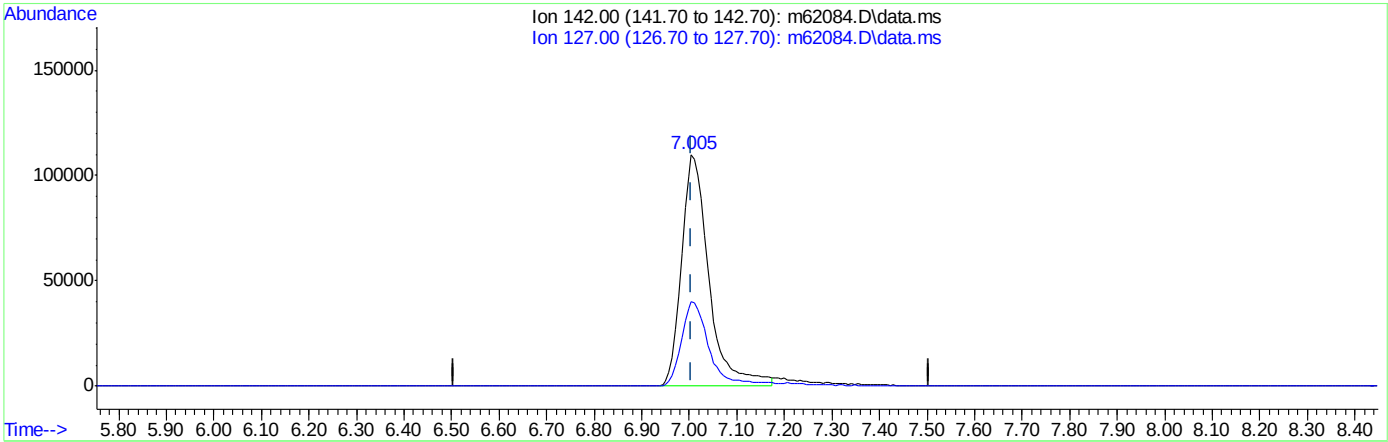
response 43399

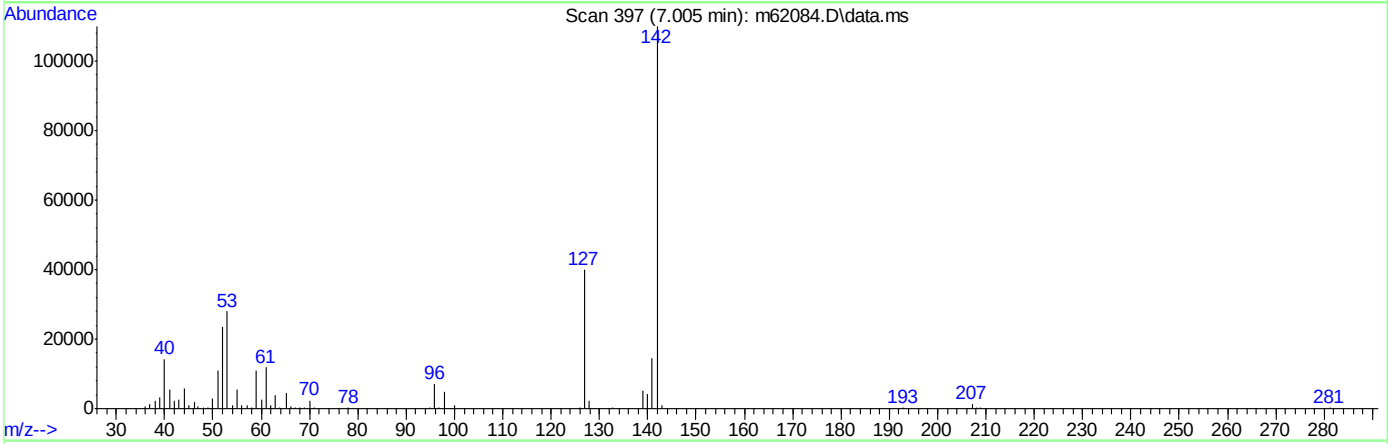
Ion	Exp%	Act%
58.00	100	100
43.00	301.70	337.09#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2170,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:24:23 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(23) iodomethane (P)

7.005min (+0.001) 62.07ug/kg m

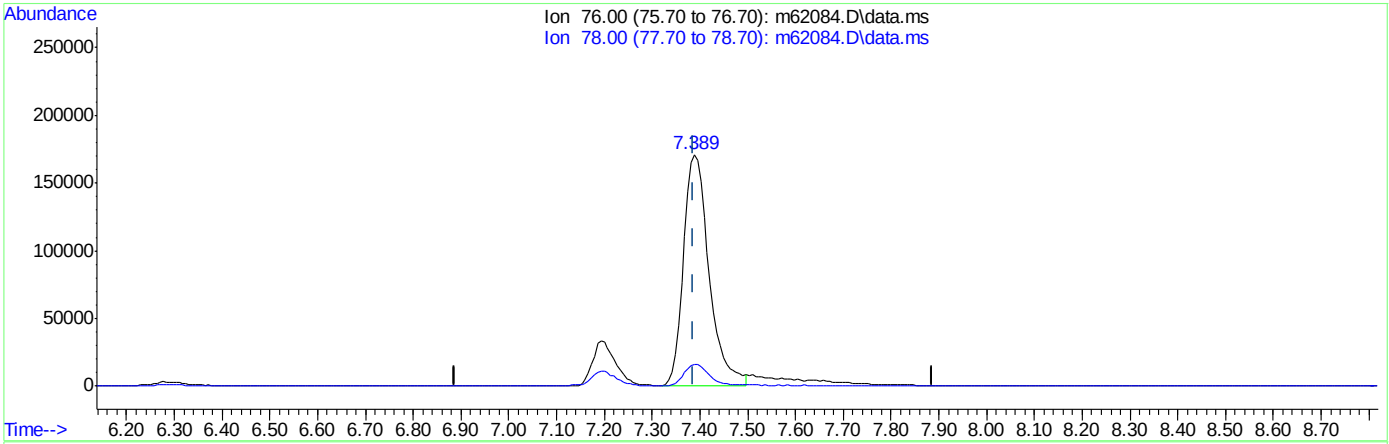
response 440408

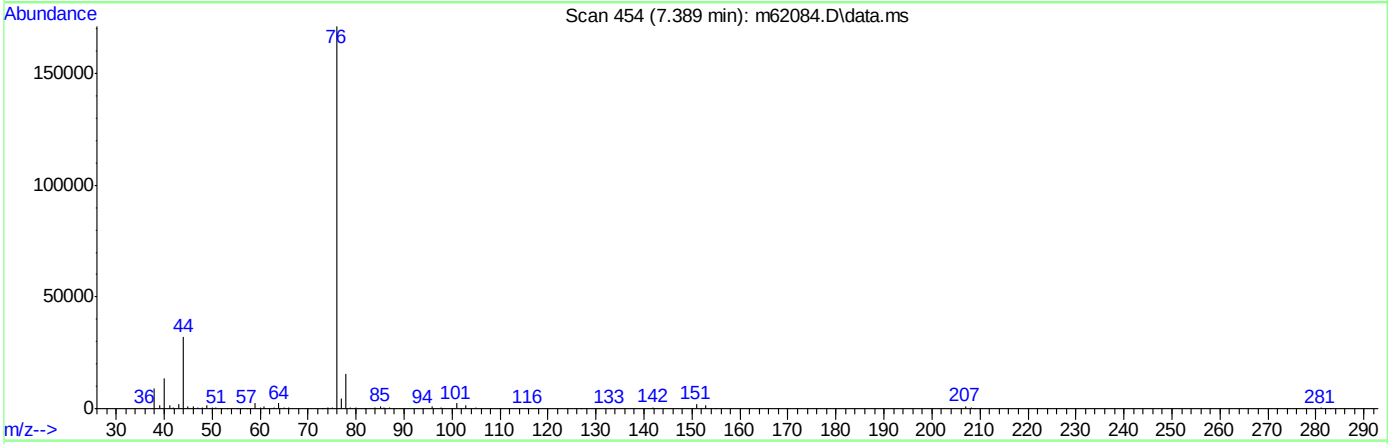
Ion	Exp%	Act%
142.00	100	100
127.00	33.40	36.30
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2170,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:24:23 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(24) carbon disulfide (P)

7.389min (+0.001) 60.03ug/kg m

response 642698

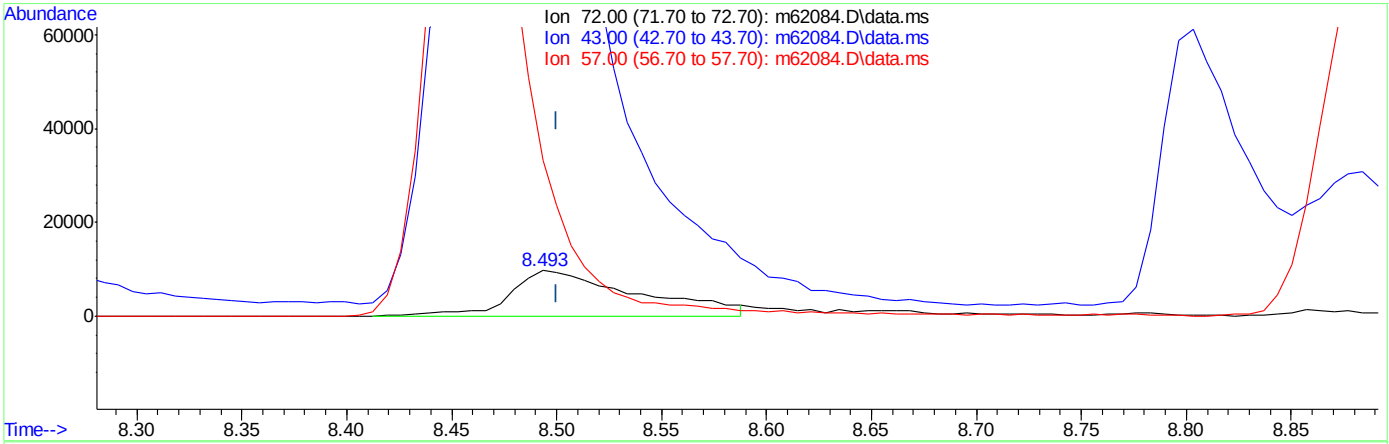
Ion	Exp%	Act%
76.00	100	100
78.00	9.20	9.14
0.00	0.00	0.00
0.00	0.00	0.00

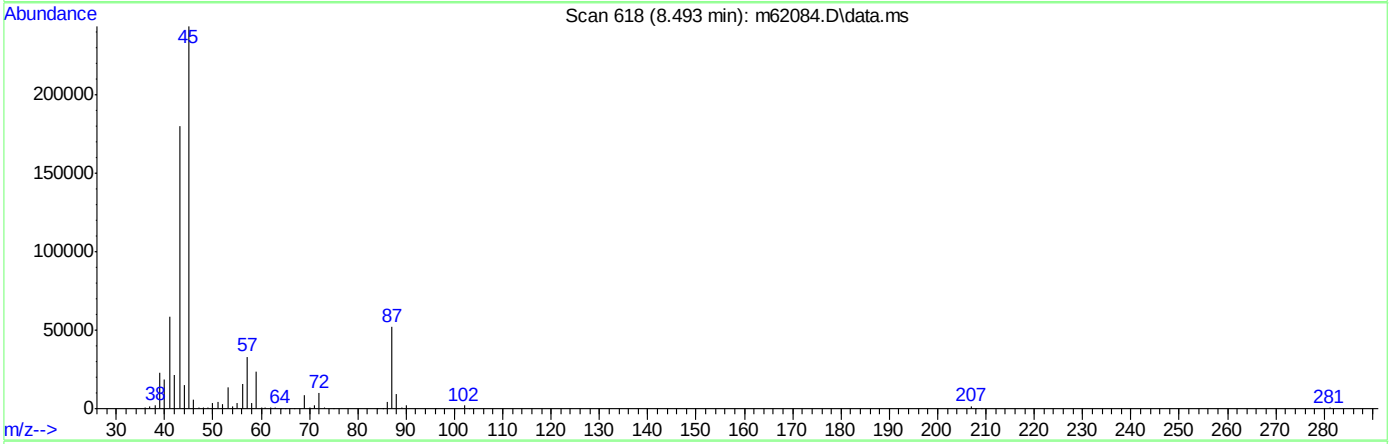
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2170,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:24:23 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(30) 2-butanone (P)

8.493min (-0.007) 65.84ug/kg m

response 41397

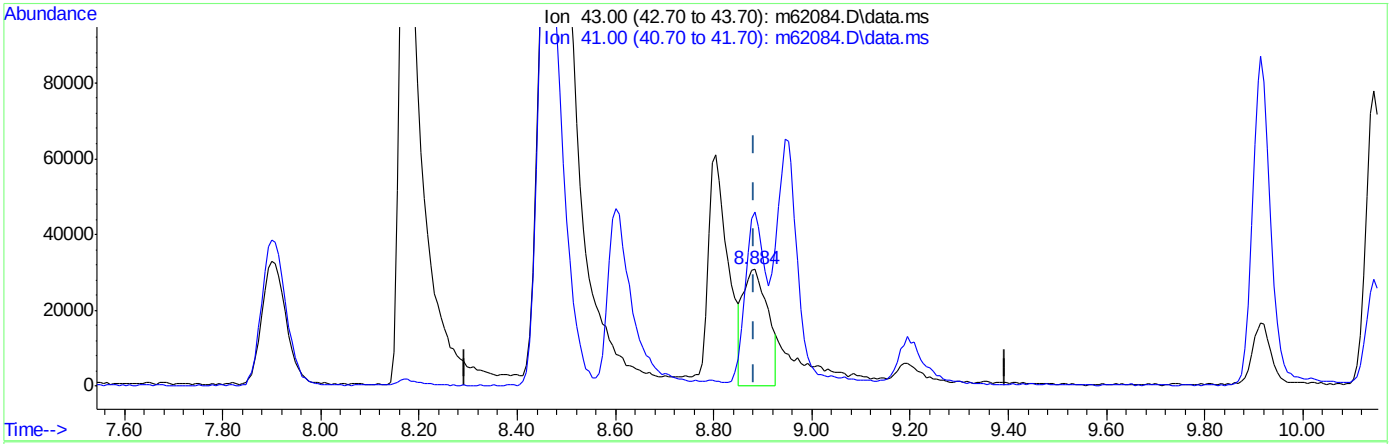
Ion	Exp%	Act%
72.00	100	100
43.00	1506.20	1850.60#
57.00	189.40	341.30#
0.00	0.00	0.00

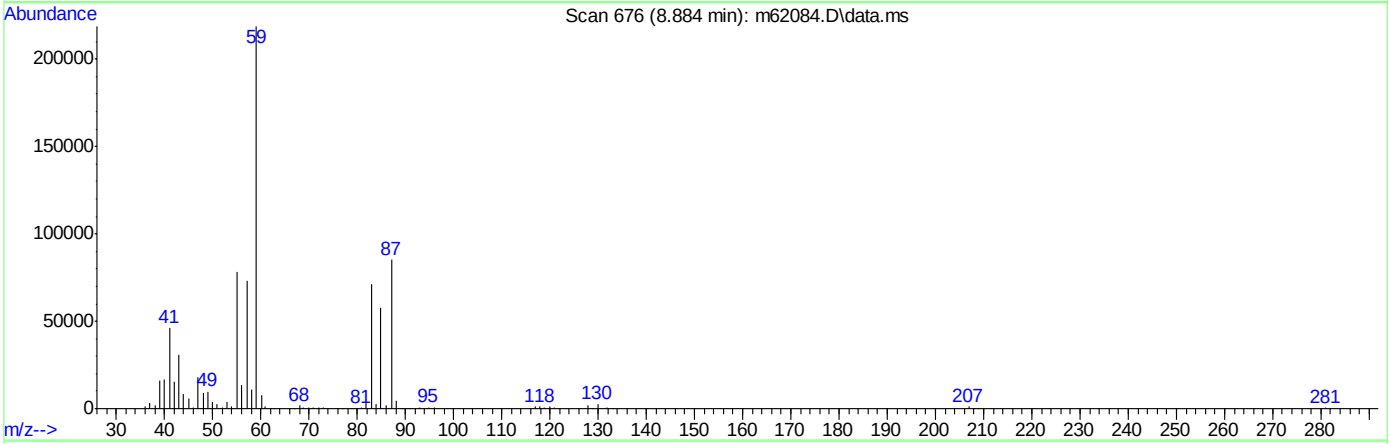
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2170,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:24:23 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(33) isobutyl alcohol (P)

8.884min (-0.000) 235.87ug/kg m

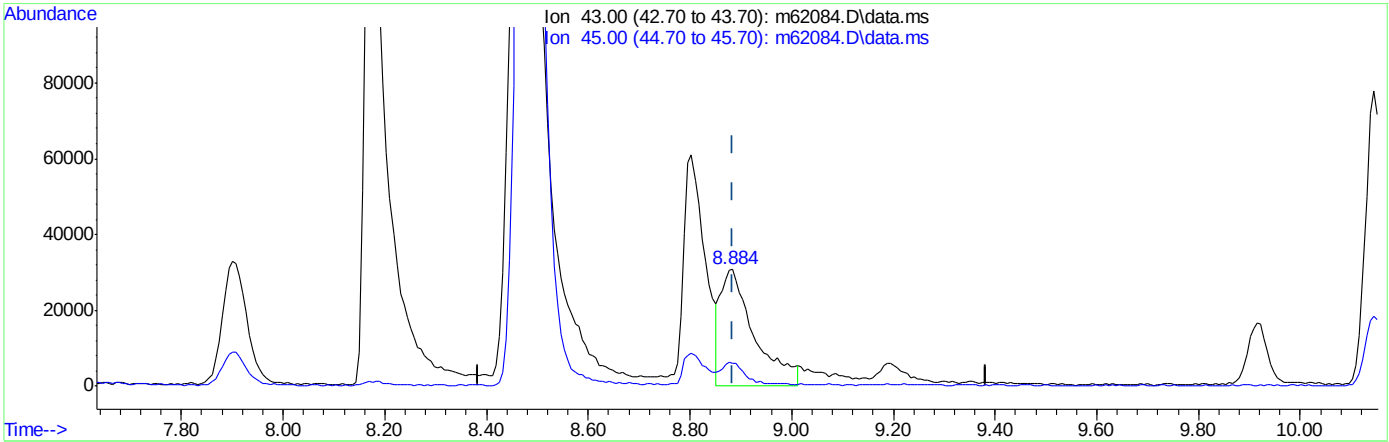
response 105721

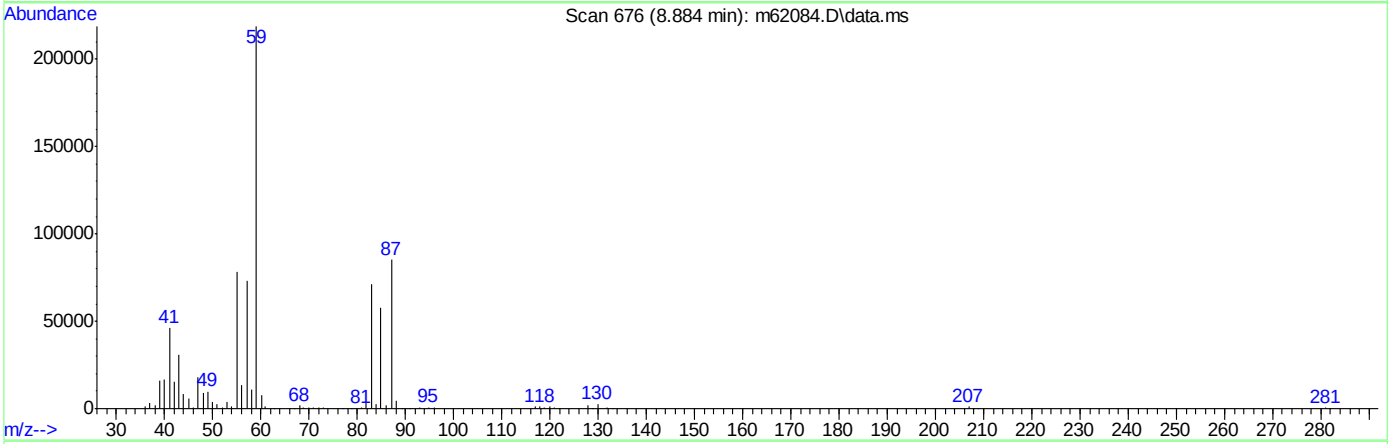
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	149.09
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : bs
Misc : MS30736,MSM2170,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:24:23 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(36) ethyl acetate (P)

8.884min (-0.000) 47.87ug/kg m

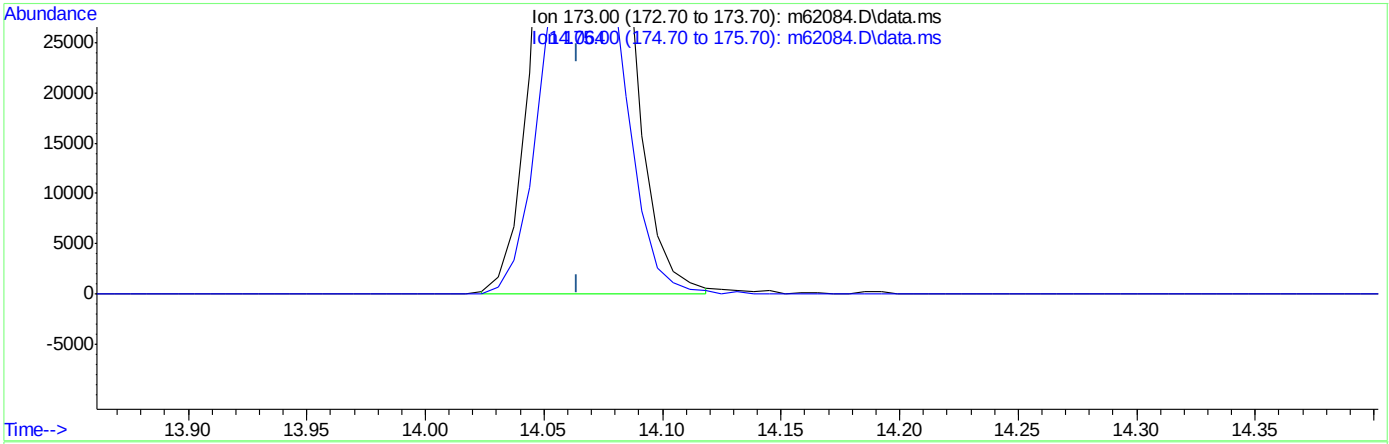
response 142134

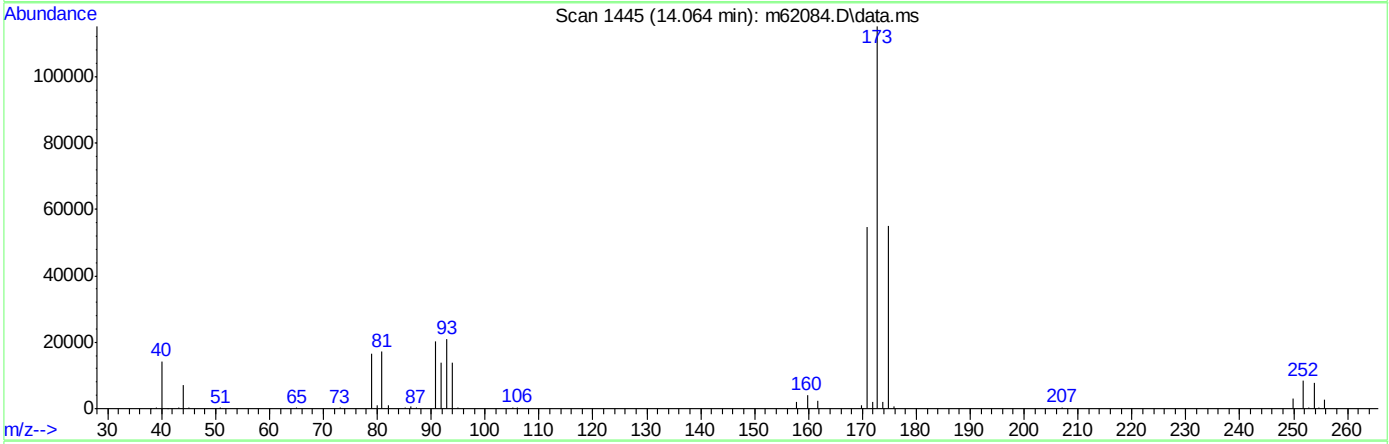
Ion	Exp%	Act%
43.00	100	100
45.00	22.10	19.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : ICV2167-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:26:28 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(77) bromoform (P)

14.064min (+0.000) 59.95ug/kg m

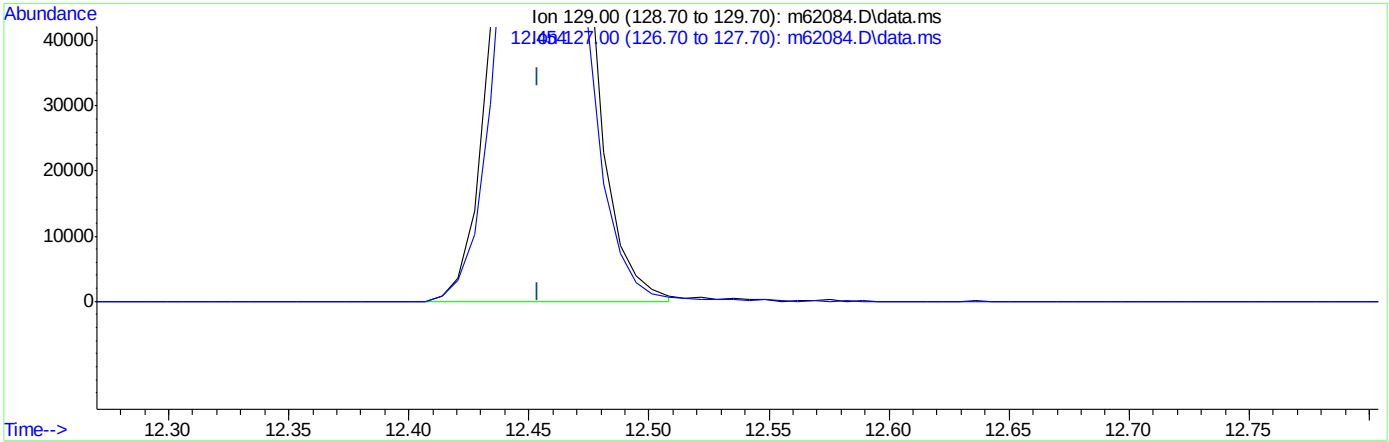
response 211330

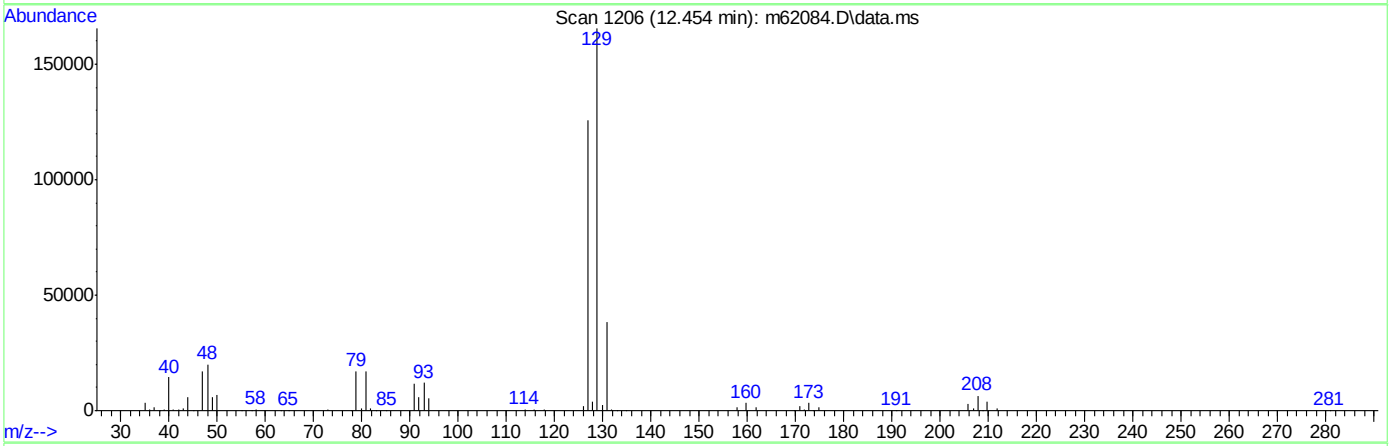
Ion	Exp%	Act%
173.00	100	100
175.00	47.80	47.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : ICV2167-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 10:26:28 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(68) dibromochloromethane (P)

12.454min (+0.000) 59.94ug/kg m

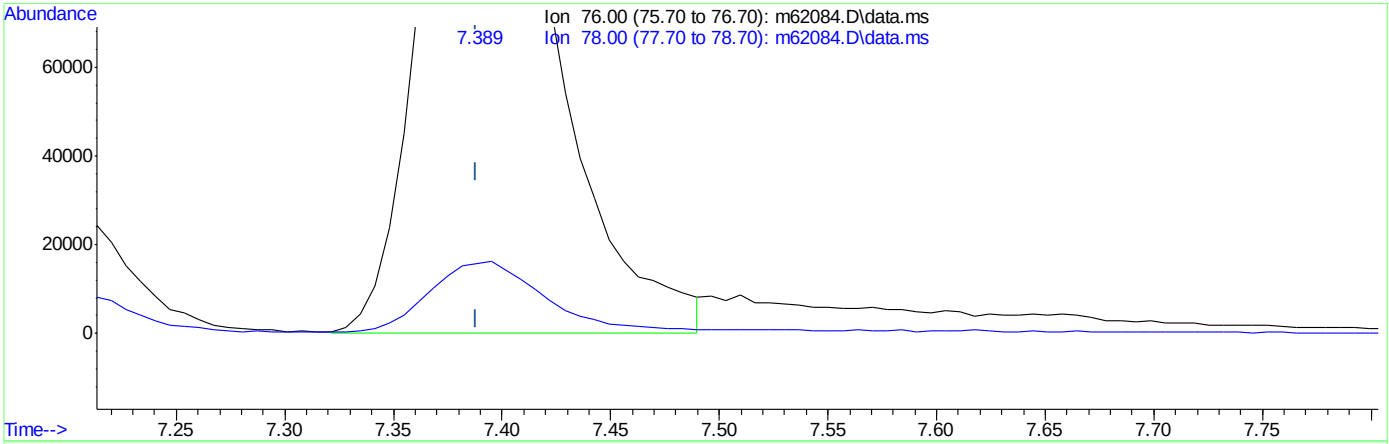
response 318119

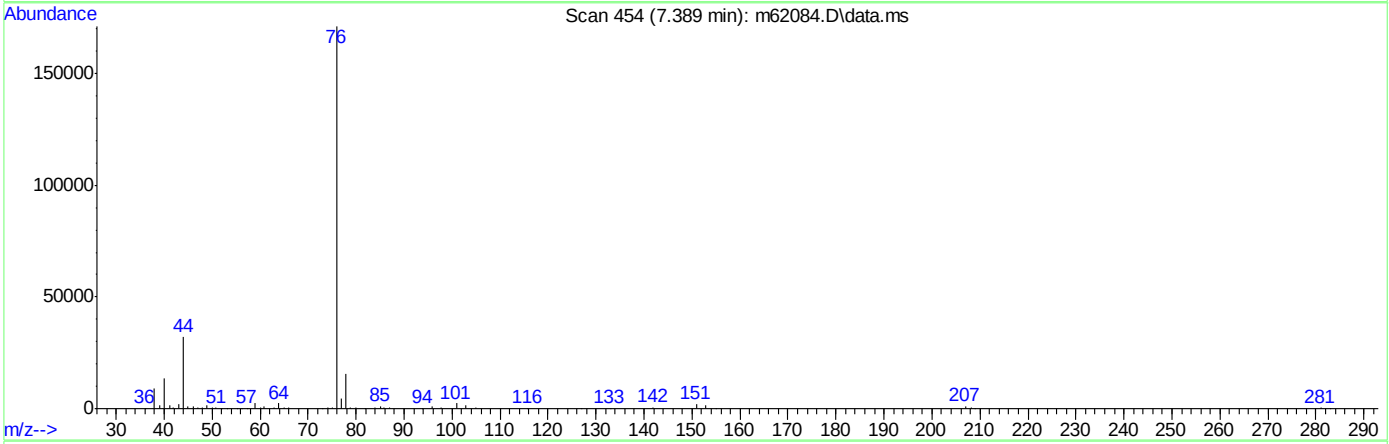
Ion	Exp%	Act%
129.00	100	100
127.00	78.00	75.99
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131212S\
Data File : m62084.D
Acq On : 12 Dec 2013 10:00 am
Operator : krystend
Sample : ICV2167-50
Misc : MS30736,MSM2169,5,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 11:09:52 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62084.D\data.ms

(24) carbon disulfide (P)

7.389min (+0.001) 59.71ug/kg m

response 639308

Ion	Exp%	Act%
76.00	100	100
78.00	9.20	9.14
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/16/13 10:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:02:34 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.850	65	112454	500.00	ug/kg	0.01
4) pentafluorobenzene		9.349	168	325567	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	509875	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	226042	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.065	152	277065	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	152489	52.33	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 104.66%			
59) toluene-d8 (s)		12.037	98	560288	49.37	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 98.74%			
81) bromofluorobenzene (s)		14.731	95	221359	50.98	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery = 101.96%			
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	237053	617.21	ug/kg	100
3) Ethanol		5.671	45	134764m	4676.20	ug/kg	
5) dichlorodifluoromethane		4.445	85	140256	45.39	ug/kg	97
6) chloromethane		4.707	50	191999	40.70	ug/kg	99
7) vinyl chloride		4.970	62	194759	42.73	ug/kg	90
8) bromomethane	...	5.502	96	128460	42.80	ug/kg	95
9) chloroethane		5.671	64	100775m	45.57	ug/kg	
10) ethyl ether		6.580	59	134108	52.41	ug/kg	95
11) acetonitrile		6.587	41	40995	50.00	ug/kg	86
12) trichlorofluoromethane		6.338	101	276242	52.38	ug/kg	97
13) freon-113		7.146	101	140574	55.28	ug/kg	100
14) acrolein		6.338	56	160401	216.15	ug/kg	98
15) 1,1-dichloroethene		6.951	96	153427	50.54	ug/kg	98
16) acetone		6.560	58	18914	30.97	ug/kg#	34
17) Methyl Acetate		7.133	43	240272	62.79	ug/kg	98
18) methylene chloride		7.106	84	177369	53.32	ug/kg	97
19) methyl tert butyl ether		7.907	73	371897	53.94	ug/kg	97
20) acrylonitrile		7.011	53	83501	55.56	ug/kg	88
21) allyl chloride		7.200	41	290410	48.68	ug/kg	100
22) trans-1,2-dichloroethene		7.820	96	168077	49.73	ug/kg	95
23) iodomethane		7.011	142	314854	54.68	ug/kg	94
24) carbon disulfide		7.389	76	417237	48.02	ug/kg	98
25) propionitrile		8.156	54	28106	55.17	ug/kg	100
26) vinyl acetate		8.177	43	276704	38.87	ug/kg	99
27) chloroprene		8.446	53	286743	53.37	ug/kg	100
28) di-isopropyl ether		8.480	45	699127	52.94	ug/kg	98
29) methacrylonitrile		8.601	41	123488	53.28	ug/kg	97
30) 2-butanone		8.500	72	22070	43.25	ug/kg#	1
31) 1,1-dichloroethane		8.069	63	314416	53.41	ug/kg	98
32) tert-butyl ethyl ether		8.884	59	457676	55.32	ug/kg	98
33) isobutyl alcohol		8.884	43	92404m	254.02	ug/kg	
34) 2,2-dichloropropane		8.951	77	175834	50.65	ug/kg	100
35) cis-1,2-dichloroethene		8.655	96	201320	51.43	ug/kg	95
36) ethyl acetate		8.884	43	118109	49.01	ug/kg	98

7.6.22
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:02:34 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	119596	55.43	ug/kg	93
38) chloroform	8.864	83	326142	56.47	ug/kg	99
40) Tetrahydrofuran	9.194	42	66842	45.75	ug/kg	97
41) 1,1,1-trichloroethane	9.625	97	264432	56.47	ug/kg	97
43) Cyclohexane	9.915	56	307203	52.12	ug/kg	95
44) carbon tetrachloride	9.995	117	283396	60.49	ug/kg	98
45) 1,1-dichloropropene	9.800	75	219933	53.83	ug/kg	98
46) benzene	10.029	78	687723	50.94	ug/kg	99
47) 1,2-dichloroethane	9.524	62	248675	58.54	ug/kg	98
48) tert-amyl methyl ether	10.144	73	354036	56.58	ug/kg	100
49) heptane	10.507	43	330986	50.06	ug/kg	98
50) trichloroethene	10.656	95	207541	53.25	ug/kg	98
51) 1,2-dichloropropane	10.622	63	204681	54.78	ug/kg	99
52) dibromomethane	10.595	93	126312	57.45	ug/kg	93
53) bromodichloromethane	10.710	83	265474	59.80	ug/kg	99
54) Methylcyclohexane	11.181	83	295516	53.37	ug/kg	97
55) 2-chloroethyl vinyl ether	11.080	63	50888	51.99	ug/kg	94
56) methyl methacrylate	10.797	69	128132	59.47	ug/kg	96
57) 1,4-dioxane	10.797	88	9725	299.40	ug/kg	84
58) cis-1,3-dichloropropene	11.329	75	297196	55.49	ug/kg	96
60) 4-methyl-2-pentanone	11.417	43	236923	56.50	ug/kg	99
61) toluene	12.111	92	483732	56.99	ug/kg	97
62) trans-1,3-dichloropropene	11.747	75	252645	57.84	ug/kg	98
63) 1,1,2-trichloroethane	11.922	83	141347	56.97	ug/kg	98
64) ethyl methacrylate	12.124	69	217161	54.76	ug/kg	97
66) tetrachloroethene	12.852	166	238516	57.15	ug/kg	96
67) 1,3-dichloropropane	12.165	76	270904	58.02	ug/kg	98
68) dibromochloromethane	12.454	129	269432	63.24	ug/kg	100
69) 1,2-dibromoethane	12.710	107	199459	59.76	ug/kg	95
70) 2-hexanone	12.279	43	157099	43.35	ug/kg	98
71) chlorobenzene	13.539	112	663158	59.36	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.458	131	258511	64.04	ug/kg	96
73) ethylbenzene	13.707	91	950256	57.64	ug/kg	99
74) m,p-xylene	13.896	106	818642	116.67	ug/kg	97
75) o-xylene	14.307	106	419612	59.29	ug/kg	99
76) styrene	14.233	104	672335	59.67	ug/kg	99
77) bromoform	14.064	173	185119	65.42	ug/kg	100
78) trans-1,4-dichloro-2-b...	14.455	53	76485	56.14	ug/kg	98
80) isopropylbenzene	14.671	105	1093343	54.71	ug/kg	99
82) bromobenzene	14.967	156	295321	55.50	ug/kg	98
83) 1,1,2,2-tetrachloroethane	14.314	83	253797	54.27	ug/kg	99
84) 1,2,3-trichloropropane	14.462	75	270275	53.94	ug/kg	97
85) n-propylbenzene	15.115	91	1171438	53.39	ug/kg	97
86) 2-chlorotoluene	15.236	91	719440	53.58	ug/kg	99
87) 4-chlorotoluene	15.310	91	705098	53.23	ug/kg	98
88) 1,3,5-trimethylbenzene	15.391	105	909257	54.30	ug/kg	99
89) tert-butylbenzene	15.701	91	500981	55.23	ug/kg	99
90) 1,2,4-trimethylbenzene	15.802	105	887847	53.59	ug/kg	99
91) sec-butylbenzene	15.924	105	1243735	54.52	ug/kg	98
92) 1,3-dichlorobenzene	16.031	146	582970	54.19	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:02:34 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

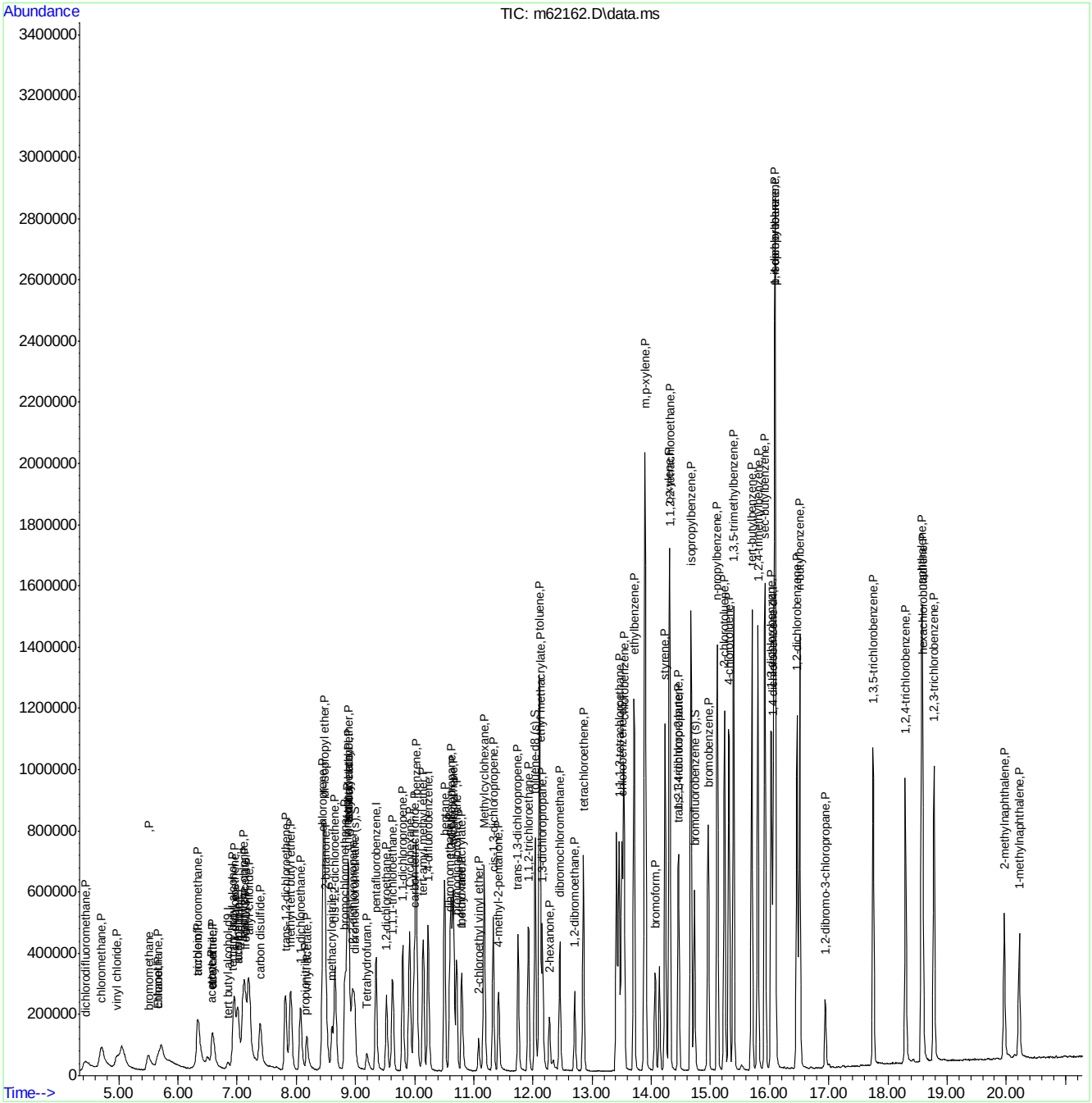
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	1082690	54.60	ug/kg	98
94) 1,4-dichlorobenzene	16.092	146	587664	53.39	ug/kg	99
95) 1,2-dichlorobenzene	16.462	146	600429	56.06	ug/kg	98
96) n-butylbenzene	16.510	91	848420	50.85	ug/kg	97
97) 1,2-dibromo-3-chloropr...	16.941	75	56977	55.78	ug/kg	98
98) 1,3,5-trichlorobenzene	17.749	180	387312	49.49	ug/kg	100
99) 1,2,4-trichlorobenzene	18.301	180	370735	49.60	ug/kg	97
100) hexachlorobutadiene	18.591	225	185339	53.13	ug/kg	99
101) naphthalene	18.571	128	1144800	54.31	ug/kg	100
102) 1,2,3-trichlorobenzene	18.780	180	385103	52.76	ug/kg	96
103) 2-methylnaphthalene	19.965	142	320629	26.96	ug/kg	99
104) 1-methylnaphthalene	20.221	TIC	1013043	29.78	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:02:34 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration

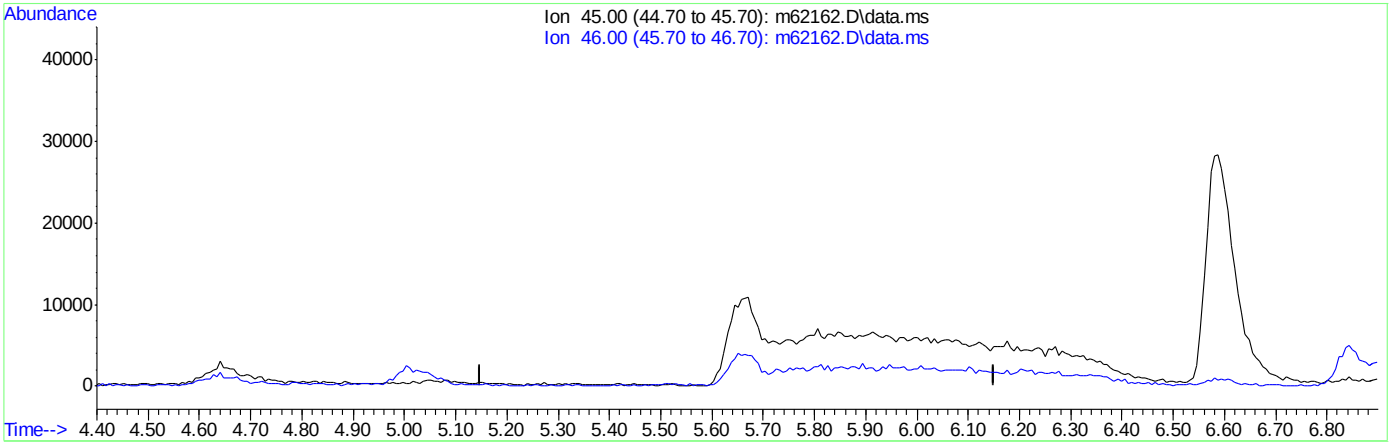


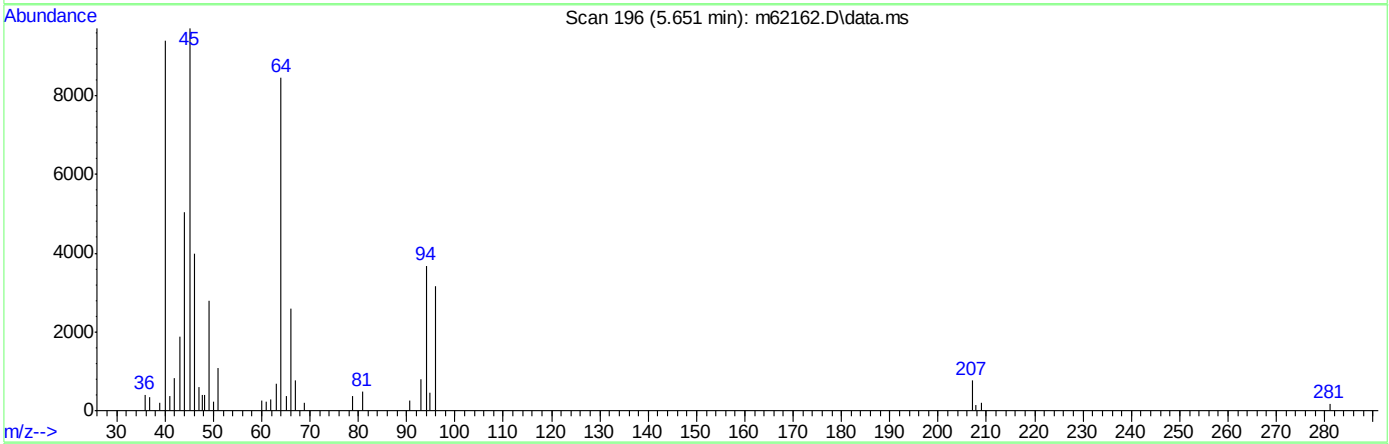
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(3) Ethanol (P)

5.650min (-5.650) 0.00ug/kg

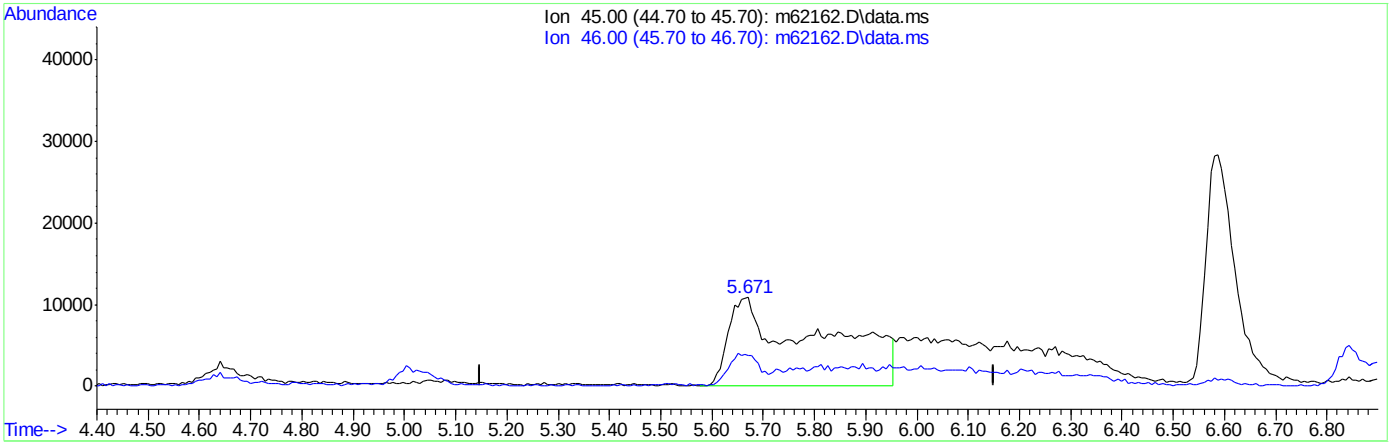
response 0

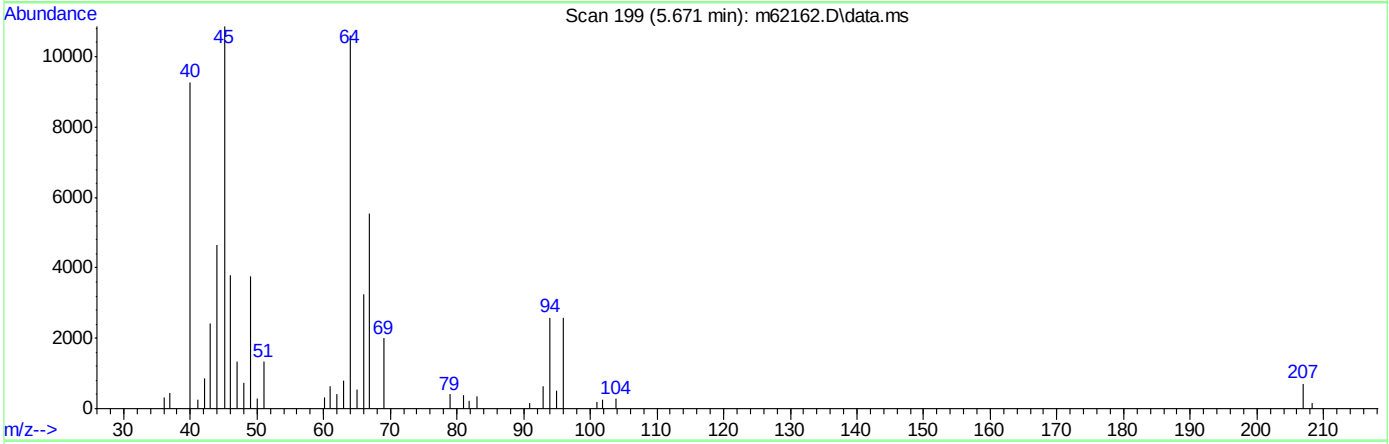
Ion	Exp%	Act%
45.00	100	0.00
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(3) Ethanol (P)

5.671min (+0.021) 4676.20ug/kg m

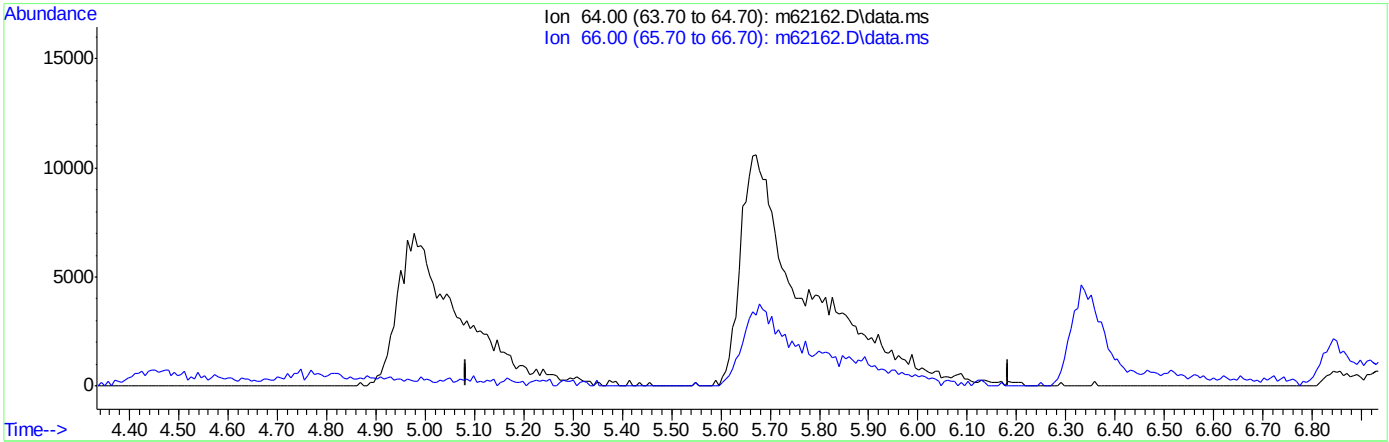
response 134764

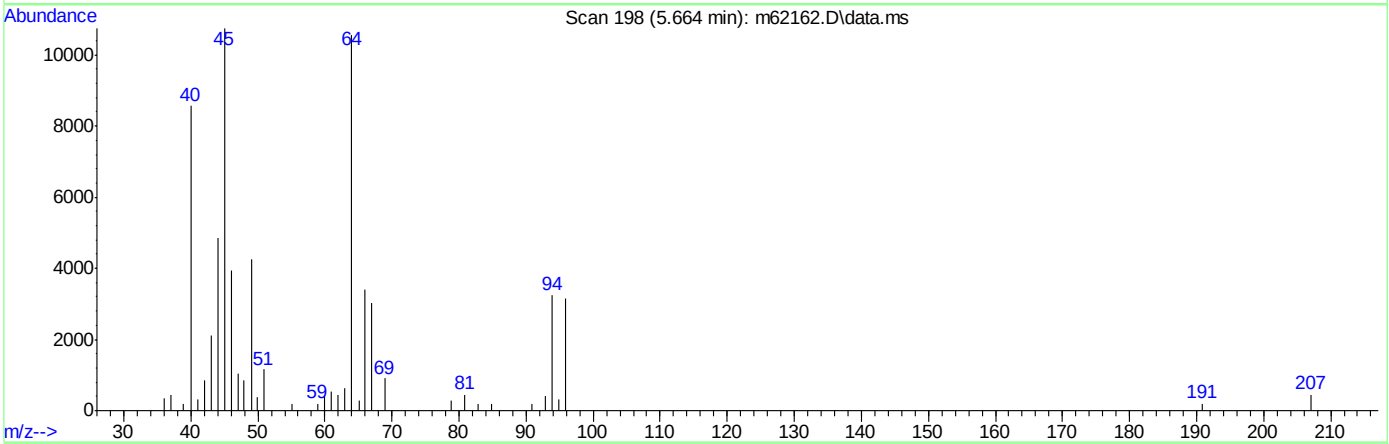
Ion	Exp%	Act%
45.00	100	100
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(9) chloroethane (P)

5.664min (-5.664) 0.00ug/kg

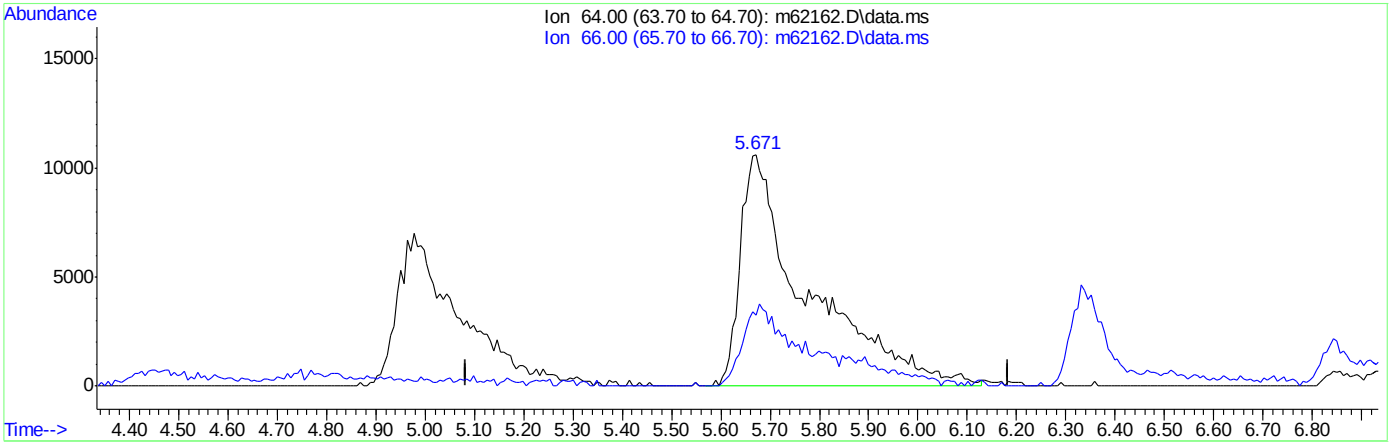
response 0

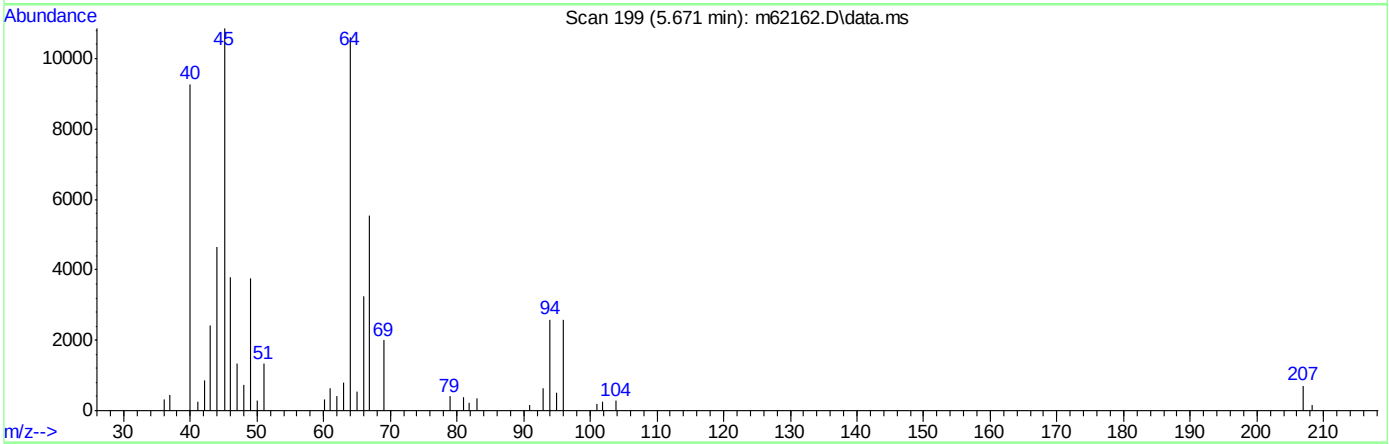
Ion	Exp%	Act%
64.00	100	0.00
66.00	28.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(9) chloroethane (P)

5.671min (+0.007) 45.57ug/kg m

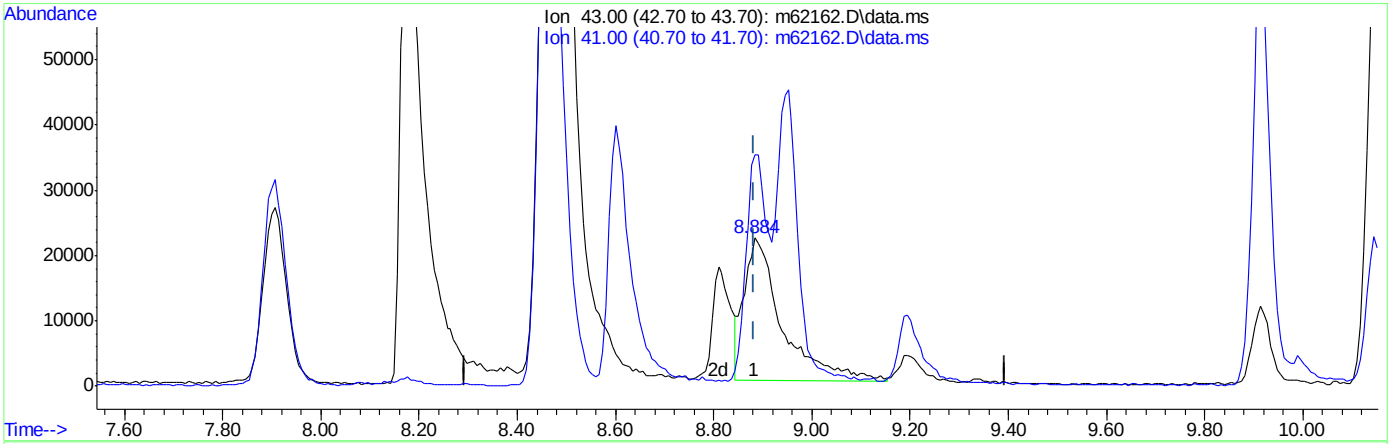
response 100775

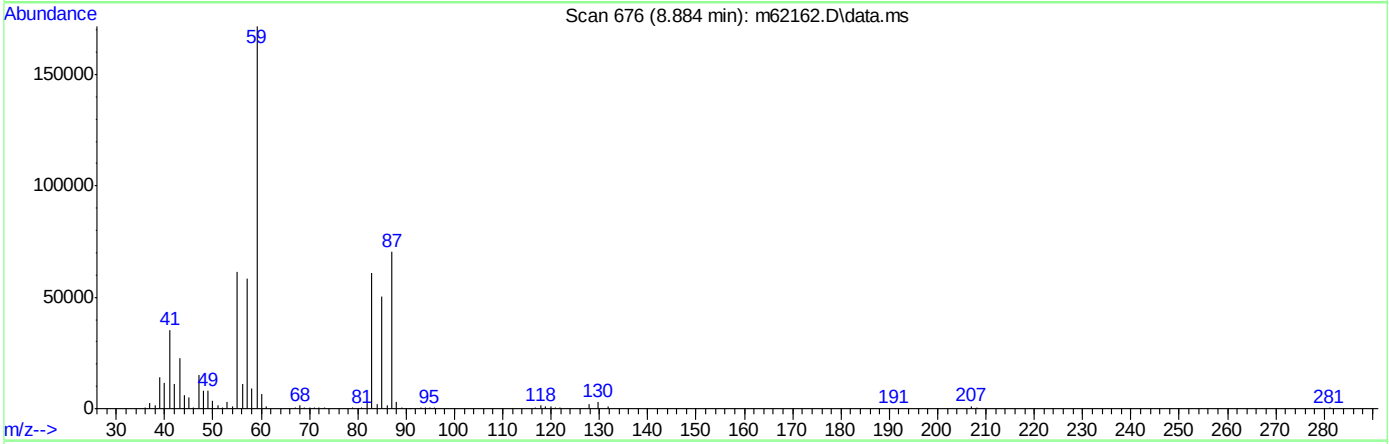
Ion	Exp%	Act%
64.00	100	100
66.00	28.60	30.62
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(33) isobutyl alcohol (P)

8.884min (0.000) 324.81ug/kg

response 118155

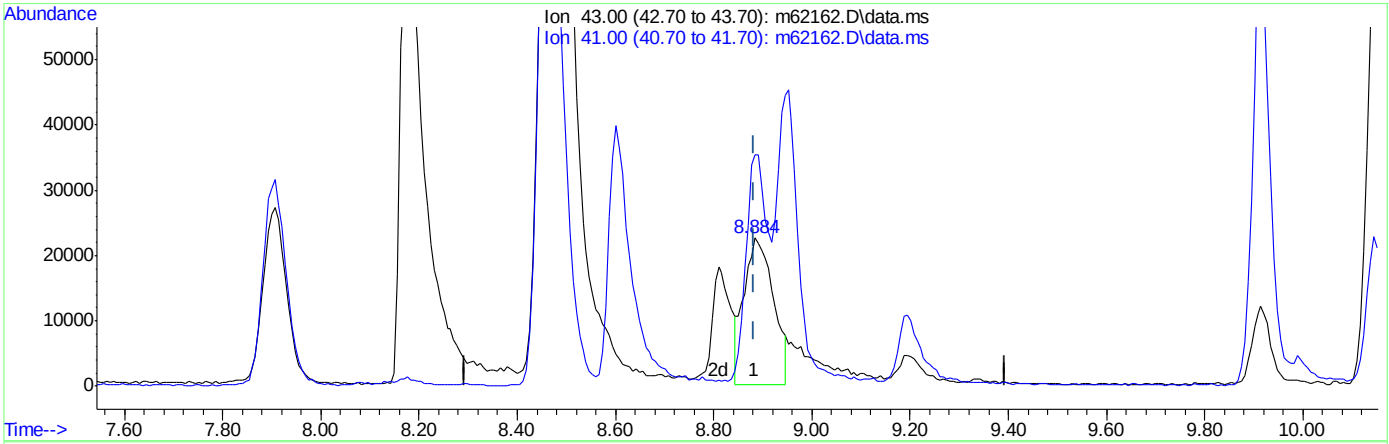
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	160.24
0.00	0.00	0.00
0.00	0.00	0.00

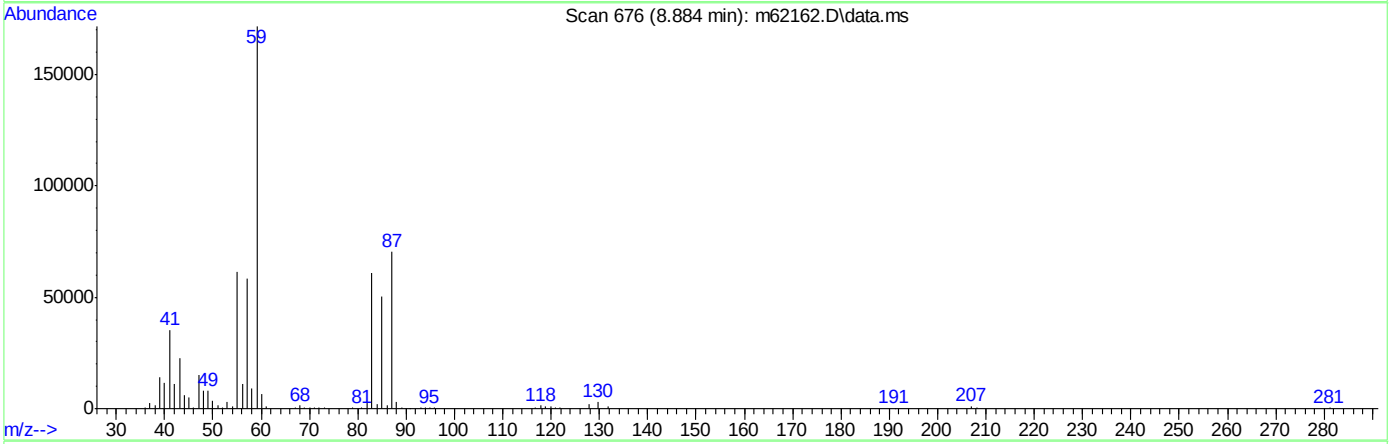
ACCUTEST LABORATORIES MC26964

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131213S\
Data File : m62162.D
Acq On : 14 Dec 2013 12:41 am
Operator : krystend
Sample : cc2169-50
Misc : MS30775,MSM2172,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:01:35 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62162.D\data.ms

(33) isobutyl alcohol (P)

8.884min (0.000) 254.02ug/kg m

response 92404

Ion	Exp%	Act%
43.00	100	100
41.00	151.70	156.55
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC26964

Accutest Laboratories of New England, Inc. **Instrument: GCMS G**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9437	8260 IS	250ppb
9372	SS	200ppb
9413	CC	
9425	CC gas	
9420 #1	BS	
9438	BS gas	

Daily Saved File

Tune file 1:	G1326007
Tune file 2:	NA
Initial Cal:	~~10/22/13~~ 10/25/13
ID File:	~~G1310225.M~~ G1310255.M
ICAL Verified:	JM G132619
Sequence verified:	GK

Date: 10/25/13

Batch ID: MSG5138

Analysts JM

Signature:

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
G1325999	Blank		NA	NA	1	S	10.0g	—	50X	NA	
G1326000	CC5135-50				2						Failure to IS change
01	BS				3						low SS
02	BSD				4						↓
03	Blank				5						
04	Blank				6						
05	Blank				7						
06	Blank				8						
07	BFB		NA	Curve	9						W
08	ic5138-0.5	cc#1			10						W
09	-2				11						W
10	-5				12						W
11	-10				13						W
12	-25				14						W
13	icc5138-50				15						W
14	ic5138-100				16						W
15	-200				17						W
16	-400				18						W
17	Blank				19						
18	Blank				20						
19	icv5138-50	BS gas #1			21						W
20	icv5138-50	BS gas #2			22						
21	Blank				23						
22	Blank				24						

JM 10/25/13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

Review:_____

Accutest Laboratories of New England, Inc. **Instrument: GCMS G**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9510	8260 IS	250µg/mL
MS9440	SS	200µg/mL
78 #3	CC	
97 #2	CCgas	
84 #3	BS	
92 #2	BSgas	

Daily Saved File

Tune file 1:	G134046
Tune file 2:	NA
Initial Cal:	10/25/13
ID File:	G131025s.M
ICAL Verified:	JM
Sequence verified:	KD

Date: 12/13/13

Batch ID: MSG5173

Analysts JM

Signature: JM

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
G134044	Blank	–	NA	NA	1	S	10.00g	–	50x	NA	
45	CC5138-50	3			2						
46	BS	3			3						√√ 8:52am
47	BSD	3			4						√√
48	Blank	–			5						
49	MB	–		⊕	6						√√
50	MC27055-1	3	MS30768	RCP	7				25x		√√
51	MC27022-5	1			8		10.20				√√
52	MC27055-4	4			9		10.69				√√
53	-5	4			10		8.94				√√
54	-6	4			11		10.59				low
55	-7	4			12		6.25				low
56	-8	4			13		8.48				low
57	-9	4			14		7.80				low
58	-10	4			15		10.75				low
59	-11	4			16		6.82				low
60	-12	4			17		11.04				
61	-13	4			18		10.85				
62	-14	4			19		6.45				
63	-15	4			20		9.16				
64	-16	4			21		6.63				
~~65~~	-17	4			~~22~~						JM 12/13/13
65	MC26964-6	1		TCLV42⊕	23		12.689		50x		√√
66	-7	1			24		10.031				√√
67	-6ms	1			~~24~~		12.689				√√
68	-6msd	1			25						√√
~~69~~	MC26998-1	7		SL⊕	26	O	1.115		2000x		√√
70	Blank	–	–	–	27	–	–	–	–	–	
71		–	–	–	28	–	–	–	–	–	
72		–	–	–	29	–	–	–	–	–	

JM 12/13/13

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review:

ACCUTEST LABORATORIES MC26964

Accutest Laboratories of New England, Inc. **Instrument: GCMS G**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
	Sccpmix	

Daily Saved File

Tune file 1:	
Tune file 2:	
Initial Cal:	Sccpmix
ID File:	
ICAL Verified:	
Sequence verified:	KD

Date: 12/13/13

Batch ID: MSG5173 LOQs LOQs

Analysts JM

Signature: JM

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
G134073	MC9251-19E		MS30768	STD LOD 0.25	30	S	10.0	—	50X	NA	VV
74	-20E			0.50	31						VV
75	-21E			1.0	32						VV
76	-22E			LOQ 2.0	33						VV
77	-23E			5.0	34						VV
78	-24E			10.0	35						VV
79	Blank		NA	Screen	36						
80	MC27088-4				37						low
81	-5				38						25x
82	-6				39						low
83	-7				40						
84	-8				41						
85	-9				42						
86	-10				43						
87	MC27088-2				44						
88	-7				45						
89	-8				46						
90	-9				47						
91	-14				48						
92	Blank				49						

JM 12/13/13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review:

11

7.7.2

7

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9478	8260CC	200ug/mL
497	CCgas	200
484	BS	200
492	BS gas	200
439	IS	250
440	SS	200

Daily Saved File

Tune file 1:	M62063
Tune file 2:	~~NA~~ M62084
Initial Cal:	12-11-13
ID File:	M131211S.M
ICAL Verified:	KD
Sequence verified:	KD

Date: 12-11-13

Batch ID: MSM2169

Analysts KD

Signature:

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M62053	blank	NA	NA	NA	1	NA	NA	NA	NA	NA	-
54	CC2167-50	32			2						QC Fail
55	BS	3,2			3						Recurve
56	BSD	3,2			4						-
57	iblk	NA			5						-
58	iblk	NA			6						-
59	blank	NA			KD 7 1						-
60	test 0.5	3,2			8 2						OK
61	test 5	3,2			9 3						OK
62	blank	NA			10 4						-
63	bfb	NA			11 5						✓
64	IC2169-2	3,2			12 6						misspike?
65	-0.5				13 7						VV
66	-5				14 8						VV
67	-10				15 9						VV
68	-20				16 10						VV
69	ICC2169-50				17 11						misspike?
70	IC2169-100				18 12						VV
71	-200				19 13						VV
72	-400				20 14						VV
73	Blank	NA			15						-
74 KD	~~ICC2169-50~~ ~~Blank~~ KD Blank	NA			16						ICC2169-50
75	~~ICV2169-50~~	3,2			17						Blank
76	IC2169-2	3,2			18						IC2169-2 ✓
77	ICV2169-50 ~~Blank~~	3,2 ~~NA~~			19						ICV2169-5
78	ICV2169-50 ~~Blank~~	3,2 ~~NA~~			20						↓
79	Blank	NA			21						-
80	Blank	NA			22						-
	12-11-13 KD										

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review:

ACCUTEST LABORATORIES MC26964

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9478	8260 cc	200 ug/mL
497	ccgas	200
484	BS	200
492	BS gas	200
481	IS/SS	250

Daily Saved File

Tune file 1:	M62063
Tune file 2:	M62084
Initial Cal:	12-11-13
ID File:	M1312115.M
ICAL Verified:	KD
Sequence verified:	KR

Date: 12-12-13

Batch ID: MSM2169

Analysts KD

Signature: KD

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*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M62081	blank	NA	NA	NA	1	NA	NA	NA	NA	NA	-
82	blank	NA			2						-
83	CC2169-SO	3,2			3						-
84	BS (ICV)	3,2			4						VV
85	BSD	3,2			5						-
86	iblk	NA			6						-
87	mb	NA			7						VV
88	MC26915-1	4	MS30744	TCL	8	SO	5.760				VV
89	MC26949-1A	1	MS30756	RCP	9	SSTB	5				VV
90	-3	3			10	SO	6.019				VV
91	-4	3			11		5.930				VV
92	-5	3			12		6.292				VV
93	-6	2			13		(KD) ~~5.099~~ 6.029				VV
94	-7	2			14		~~4.115~~ 6.251				VV
95	-8	2			15		~~5.402~~ 4.751				VV
96	-9	2			16		5.961				VV
97	-10	2			17		6.504				VV
98	-11	2			18		5.791				VV
99	MC26915-1MS	1	MS30744	TCL	19		5.183				VV
M62100	-1MSD	1			20		5.244				VV
01	MC26975-4	3	MS30756	RCP	21		5.125				VV
02	-5	3			22		4.912				VV
03	-6	3			23		5.099				VV
04	-7	2			24		4.115				VV
05	-8	3			25		5.402				VV
06	-9	2			26		4.383				VV
07	-10	3			27		4.393				VV
08	Blank	NA	NA	NA	28	NA	NA				-
	12-12-13 (KD)										

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review: _____

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS94478	8260 CC	200 ug/ml
497	CCqas	200
484	BS	200
492	BS qas	200
481	ISTDS	250

Daily Saved File

Tune file 1:	M62162
Tune file 2:	NA
Initial Cal:	12-11-13
ID File:	M131211S.M
ICAL Verified:	KD
Sequence verified:	JM

Date: 12-13-13

Batch ID: MSM2172

Analysts KD

Signature:

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*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M62162	CC2169-50	3,2	NA	NA	28	NA	NA	NA	NA	NA	VV
63	BS				29						-
64	BSD				30						VV
65	iblk	NA			31						-
66	mb				32						VV
67	MC27002-25	1	MS30779	Std+MTBE	33	SO	4.535				VV
68	MC26923-9	1		TCL42+	34		4.685				VV
69	-10	1			35		5.305				VV
70	-11	1			36		6.467				VV
71	-12	1			37		4.901				VV
72	-13	1			38		5.265				VV
73	-14	1			39		4.614				VV
74	-15	1			40		4.616				VV
* 75	MC26964-3	1		Std+MTBE	41		4.511				VV
76	-9	1		TCL42+	42		5.175				VV
77	-12	1			43		4.238				VV
78	MC27002-25MS	1		Std+MTBE	44		5.184				VV
79	-25MSD	1			45		5.355				VV
80	MC27055-6	3		RCP	46		5.819				VV
81	-7	3			47		3.606				RR↓IS
82	-8	3			48		5.268				VV
83	-9	2			49		6.273				VV
84	-10	3			50		3.240				RR↓IS
85	Blank	NA	NA	NA	51	NA	NA				-

12-13-13 KD

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water

MS001-05 Date: 07/22/13

Review:

7.7.4

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New England ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16550
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:30	MA16550-STD1	1		STD1
11:44	MA16550-STD2	1		STD2
11:49	MA16550-STD3	1		STD3
11:54	MA16550-STD4	1		STD4
11:59	MA16550-ICV1	1		
12:06	MA16550-ICB1	1		
12:11	MA16550-CCV1	1		
12:17	MA16550-CCB1	1		
12:22	MA16550-CRI1	1		
12:29	MA16550-CRI2	1		
12:34	MA16550-CRI3	1		
12:39	MA16550-ICSA1	1		
12:44	MA16550-ICSAB1	1		
12:49	MP22226-B1	1		
12:53	MP22226-MB1	1		
12:58	MP22226-S1	1		NA OVER RANGE; MS OUT FOR SE, NEED PS.
13:03	MP22226-S2	1		NA OVER RANGE.
13:08	MP22226-SD1	5		
13:13	MA16550-CCV2	1		
13:18	MA16550-CCB2	1		
13:23	JB53625-10	1		(sample used for QC only; not part of login MC26964)
13:28	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:43	ZZZZZZ	5		
13:49	ZZZZZZ	20		
13:54	ZZZZZZ	5		
13:58	ZZZZZZ	5		
14:03	ZZZZZZ	50		DNR: HIGH RSD, SEE RERUN.
14:08	ZZZZZZ	50		
14:13	MA16550-CCV3	1		
14:18	MA16550-CCB3	1		
14:23	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16550
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:28	ZZZZZZ	1		
14:33	ZZZZZZ	1		
14:38	ZZZZZZ	50		
14:43	ZZZZZZ	50		
14:48	ZZZZZZ	5		
14:52	MC26964-11	1		
---------->	Last reportable sample/prep for job MC26964			
14:57	ZZZZZZ	1		
15:02	ZZZZZZ	1		
15:07	ZZZZZZ	50		
15:12	ZZZZZZ	1		DNR: HIGH RSD, SEE RERUN FOR CCV.
15:18	MA16550-CCV4	1		
15:26	MA16550-CCB4	1		
15:31	MA16550-CRI4	1		
15:36	MA16550-CRI5	1		
15:41	MA16550-CRI6	1		
15:46	MA16550-ICSA2	1		
15:51	MA16550-ICSAB2	1		
15:56	MA16550-CCV5	1		
16:00	MA16550-CCB5	1		
---------->	Last reportable CCB for job MC26964			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16550
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
11:30	MA16550-STD1	4215 R	109320 R	8202 R
11:44	MA16550-STD2	4189	108730	8163
11:49	MA16550-STD3			8230
11:54	MA16550-STD4	4224	109530	8256
11:59	MA16550-ICV1	4151	108630	8231
12:06	MA16550-ICB1	4176	108940	8239
12:11	MA16550-CCV1	4184	110570	8313
12:17	MA16550-CCB1	4166	109200	8218
12:22	MA16550-CRI1	4164	108160	8096
12:29	MA16550-CRI2	4216	109660	8180
12:34	MA16550-CRI3	4197	109530	8151
12:39	MA16550-ICSA1	3855	102820	8013
12:44	MA16550-ICSAB1	3797	101630	7960
12:49	MP22226-B1	4084	108360	8174
12:53	MP22226-MB1	4115	110060	8299
12:58	MP22226-S1	3930	104560	8105
13:03	MP22226-S2	3887	102460	8078
13:08	MP22226-SD1	4122	108790	8192
13:13	MA16550-CCV2	4151	109810	8212
13:18	MA16550-CCB2	4155	109560	8194
13:23	JB53625-10	3971	105980	8169
13:28	ZZZZZZ	3815	99321	8044
13:33	ZZZZZZ	3821	100010	8064
13:38	ZZZZZZ	3979	999999 !a	8301
13:43	ZZZZZZ	4413	119510	9181
13:49	ZZZZZZ	4266	114870	8601
13:54	ZZZZZZ	4078	107790	8134
13:58	ZZZZZZ	4123	109340	8292
14:03	ZZZZZZ	4132	109610	8764
14:08	ZZZZZZ	4165	109060	8261
14:13	MA16550-CCV3	4200	110330	8303
14:18	MA16550-CCB3	4169	109850	8249
14:23	ZZZZZZ	4096	107880	8660

INTERNAL STANDARD SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16550
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
14:28	ZZZZZZ	4159	111360	8285
14:33	ZZZZZZ	4183	109680	8419
14:38	ZZZZZZ	4139	109560	8258
14:43	ZZZZZZ	4148	109300	8212
14:48	ZZZZZZ	4104	108360	8249
14:52	MC26964-11	4054	107970	8349
14:57	ZZZZZZ	3848	103340	8209
15:02	ZZZZZZ	3853	102670	8075
15:07	ZZZZZZ	4135	110490	8207
15:12	ZZZZZZ	4172	108020	8276
15:18	MA16550-CCV4	4189	107560	8207
15:26	MA16550-CCB4	4162	109630	8168
15:31	MA16550-CRI4	4126	109640	8307
15:36	MA16550-CRI5	4126	109800	8263
15:41	MA16550-CRI6	4193	108890	8269
15:46	MA16550-ICSA2	3826	100930	7963
15:51	MA16550-ICSAB2	3824	100770	8021
15:56	MA16550-CCV5	4173	109140	8182
16:00	MA16550-CCB5	4161	108620	8254

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

(a) No element reported by this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16550 Units: ug/l

Time:			12:06		12:17		13:18		14:18	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	22	anr							
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.2	-0.10	<4.0	-0.10	<4.0	-0.40	<4.0	0.20	<4.0
Barium	50	.53	0.20	<50	-0.20	<50	0.0	<50	0.10	<50
Beryllium	4.0	.15	anr							
Boron	100	.49								
Cadmium	4.0	.04	0.0	<4.0	0.0	<4.0	0.20	<4.0	0.40	<4.0
Calcium	5000	7.4	anr							
Chromium	10	.38	-0.40	<10	-0.20	<10	-0.40	<10	-0.20	<10
Cobalt	50	.15	anr							
Copper	25	.52	anr							
Gold	50	1.4								
Iron	100	5	anr							
Lead	5.0	.95	-0.40	<5.0	-0.80	<5.0	0.50	<5.0	0.20	<5.0
Magnesium	5000	47	anr							
Manganese	15	.04	anr							
Molybdenum	100	.29								
Nickel	40	.25	anr							
Palladium	50	1.9								
Platinum	50	5.9								
Potassium	5000	56	anr							
Selenium	10	1.8	1.6	<10	1.0	<10	1.1	<10	2.5	<10
Silicon	100	1.3								
Silver	5.0	.56	0.30	<5.0	0.20	<5.0	-0.10	<5.0	0.20	<5.0
Sodium	5000	33	anr							
Sulfur	50	3.4								
Strontium	10	.15								
Thallium	5.0	.98	anr							
Tin	100	.35								
Titanium	50	.44								
Tungsten	100	5.6								
Vanadium	10	.58	anr							
Zinc	20	.21	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16550 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	1.8

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16550 Units: ug/l

Time:			15:26		16:00	
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	22	anr			
Antimony	6.0	1.1	anr			
Arsenic	4.0	1.2	-0.10	<4.0	0.30	<4.0
Barium	50	.53	0.20	<50	0.10	<50
Beryllium	4.0	.15	anr			
Boron	100	.49				
Cadmium	4.0	.04	0.10	<4.0	0.30	<4.0
Calcium	5000	7.4	anr			
Chromium	10	.38	-0.20	<10	-0.20	<10
Cobalt	50	.15	anr			
Copper	25	.52	anr			
Gold	50	1.4				
Iron	100	5	anr			
Lead	5.0	.95	-0.30	<5.0	0.40	<5.0
Magnesium	5000	47	anr			
Manganese	15	.04	anr			
Molybdenum	100	.29				
Nickel	40	.25	anr			
Palladium	50	1.9				
Platinum	50	5.9				
Potassium	5000	56	anr			
Selenium	10	1.8	1.2	<10	1.8	<10
Silicon	100	1.3				
Silver	5.0	.56	0.40	<5.0	0.40	<5.0
Sodium	5000	33	anr			
Sulfur	50	3.4				
Strontium	10	.15				
Thallium	5.0	.98	anr			
Tin	100	.35				
Titanium	50	.44				
Tungsten	100	5.6				
Vanadium	10	.58	anr			
Zinc	20	.21	anr			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16550 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	1.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16550 Units: ug/l

Time:		11:59			12:11			13:13	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	3000	3020	100.7	2000	1960	98.0	2000	1970	98.5
Barium	3000	3050	101.7	2000	1920	96.0	2000	1930	96.5
Beryllium	anr								
Boron									
Cadmium	3000	3010	100.3	2000	2000	100.0	2000	2030	101.5
Calcium	anr								
Chromium	3000	3050	101.7	2000	1950	97.5	2000	1980	99.0
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	3000	2890	96.3	2000	1930	96.5	2000	1940	97.0
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	3000	3030	101.0	2000	1990	99.5	2000	2010	100.5
Silicon									
Silver	500	508	101.6	250	248	99.2	250	250	100.0
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16550 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16550 Units: ug/l

Time:		14:13			15:18			15:56	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	2000	1960	98.0	2000	1950	97.5	2000	1970	98.5
Barium	2000	1930	96.5	2000	1930	96.5	2000	1960	98.0
Beryllium	anr								
Boron									
Cadmium	2000	2010	100.5	2000	2000	100.0	2000	2030	101.5
Calcium	anr								
Chromium	2000	1970	98.5	2000	2010	100.5	2000	1990	99.5
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	2000	1930	96.5	2000	1930	96.5	2000	1950	97.5
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	2000	1990	99.5	2000	1990	99.5	2000	2010	100.5
Silicon									
Silver	250	249	99.6	250	255	102.0	250	254	101.6
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16550 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16550 Units: ug/l

Time:			12:22		12:29		12:34		15:31	
Sample ID:	CRI	CRIA	CRI1		CRI2		CRI3		CRI4	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	200								
Antimony	6.0	10								
Arsenic	3.0	10							3.0	100.0
Barium	50	50					49.5	99.0		
Beryllium	1.0	4.0								
Boron	100	100								
Cadmium	4.0	4.0					4.2	105.0		
Calcium	5000	5000								
Chromium	10	10					10.0	100.0		
Cobalt	50	50								
Copper	25	25								
Gold	50	50								
Iron	100	100								
Lead	5.0	10					4.7	94.0		
Magnesium	5000	5000								
Manganese	15	15								
Molybdenum	100	100								
Nickel	40	40								
Palladium	50	50								
Platinum	50	50								
Potassium	5000	5000								
Selenium	10	10					11.0	110.0		
Silicon	100	100								
Silver	5.0	5.0					5.3	106.0		
Sodium	5000	5000								
Sulfur	50	50								
Strontium	10	10								
Thallium	2.0	10	anr							
Tin	100	100								
Titanium	50	50								
Tungsten	100	100								
Vanadium	10	10								
Zinc	20	20								

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16550 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	50

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16550 Units: ug/l

Time:			15:36		15:41	
Sample ID:	CRI	CRIA	CRI5		CRI6	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	200	200				
Antimony	6.0	10				
Arsenic	3.0	10				
Barium	50	50			47.8	95.6
Beryllium	1.0	4.0	anr			
Boron	100	100				
Cadmium	4.0	4.0			4.3	107.5
Calcium	5000	5000				
Chromium	10	10			9.9	99.0
Cobalt	50	50				
Copper	25	25				
Gold	50	50				
Iron	100	100				
Lead	5.0	10			5.0	100.0
Magnesium	5000	5000				
Manganese	15	15				
Molybdenum	100	100				
Nickel	40	40				
Palladium	50	50				
Platinum	50	50				
Potassium	5000	5000				
Selenium	10	10			11.2	112.0
Silicon	100	100				
Silver	5.0	5.0			5.2	104.0
Sodium	5000	5000				
Sulfur	50	50				
Strontium	10	10				
Thallium	2.0	10				
Tin	100	100				
Titanium	50	50				
Tungsten	100	100				
Vanadium	10	10				
Zinc	20	20				

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16550 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	50

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16550 Units: ug/l

Time:			12:39		12:44		15:46		15:51	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	541000	108.2	540000	108.0	541000	108.2	539000	107.8
Antimony		2000	-0.20		2040	102.0	0.30		2020	101.0
Arsenic		2000	-0.60		2110	105.5	0.10		2090	104.5
Barium		500	-0.10		499	99.8	0.10		500	100.0
Beryllium		500	0.10		462	92.4	0.10		459	91.8
Boron		1000	0.80		968	96.8	1.3		958	95.8
Cadmium		1000	-0.10		1020	102.0	0.0		1020	102.0
Calcium	500000	500000	459000	91.8	458000	91.6	460000	92.0	453000	90.6
Chromium		500	-0.10		464	92.8	-0.50		466	93.2
Cobalt		500	-0.10		468	93.6	0.20		463	92.6
Copper		500	1.4		478	95.6	1.0		476	95.2
Gold		500	-5.4		479	95.8	-7.2		475	95.0
Iron	200000	200000	191000	95.5	191000	95.5	192000	96.0	190000	95.0
Lead		1000	0.90		863	86.3	1.5		853	85.3
Magnesium	500000	500000	512000	102.4	510000	102.0	511000	102.2	504000	100.8
Manganese		500	-0.40		470	94.0	-0.40		471	94.2
Molybdenum		1000	-2.3		951	95.1	-2.6		942	94.2
Nickel		1000	-2.3		842	84.2	-2.2		831	83.1
Palladium		500	-4.1		504	100.8	-2.8		502	100.4
Platinum		500	-2.5		485	97.0	-1.2		480	96.0
Potassium			86.9		93.3		108		137	
Selenium		2000	1.0		2020	101.0	0.50		2010	100.5
Silicon		2000	34.6		7520	376.0*	41.3		7450	372.5*
Silver		1000	0.50		1040	104.0	0.10		1050	105.0
Sodium			16.8		28.9		205		187	
Sulfur		500	98.0		580	116.0	96.4		573	114.6
Strontium		1000	-7.8		977	97.7	-7.9		977	97.7
Thallium		2000	-0.20		1790	89.5	-0.90		1770	88.5
Tin		1000	-2.5		930	93.0	-1.7		921	92.1
Titanium		500	5.5		482	96.4	5.8		482	96.4
Tungsten		2000	-8.1		1960	98.0	-12		1970	98.5
Vanadium		500	-0.40		478	95.6	-0.30		479	95.8
Zinc		1000	0.80		909	90.9	0.70		902	90.2

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M1.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16550 Units: ug/l

Time: / Sample ID: / Metal								
Zirconium	500	2.2	378	75.6*	2.7	371	74.2*	

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121313W1.PRN Date Analyzed: 12/13/13 Methods: SW846 7470A
Analyst: SA Run ID: MA16553
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:43	MA16553-STD1	1		STD01REP1
12:45	MA16553-STD2	1		STD02REP1
12:48	MA16553-STD3	1		STD03REP1
12:50	MA16553-STD4	1		STD04REP1
12:53	MA16553-STD5	1		STD05REP1
12:56	MA16553-STD6	1		STD06REP1
12:58	MA16553-STD7	1		STD07REP1
13:01	MA16553-STD8	1		STD08REP1
13:03	MA16553-STD9	1		STD09REP1
13:06	MA16553-ICV1	1		
13:08	MA16553-ICB1	1		
13:11	MA16553-CCV1	1		
13:13	MA16553-CCB1	1		
13:15	MA16553-CRI1	1		
13:20	MP22251-MB1	1		
13:23	MP22251-B1	1		
13:25	MP22251-B2	1		
13:28	MP22251-S1	1		
13:30	MP22251-S2	1		
13:33	MC26860-1	1		(sample used for QC only; not part of login MC26964)
13:35	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:40	ZZZZZZ	1		
13:43	MA16553-CCV2	1		
13:45	MA16553-CCB2	1		
13:48	ZZZZZZ	1		
13:50	ZZZZZZ	1		
13:53	ZZZZZZ	1		
13:55	ZZZZZZ	1		
13:58	ZZZZZZ	1		
14:00	ZZZZZZ	1		
14:03	ZZZZZZ	1		
14:05	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121313W1.PRN Date Analyzed: 12/13/13 Methods: SW846 7470A
Analyst: SA Run ID: MA16553
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:08	MC26964-11	1		
----------->	Last reportable sample/prep for job MC26964			
14:11	ZZZZZZ	1		
14:13	MA16553-CCV3	1		
14:16	MA16553-CCB3	1		
14:18	ZZZZZZ	1		
14:20	ZZZZZZ	1		
14:23	ZZZZZZ	1		
14:26	ZZZZZZ	1		
14:29	ZZZZZZ	1		
14:31	ZZZZZZ	1		
14:34	ZZZZZZ	1		DNR: FOR CONFIRMATION ONLY.
14:36	MA16553-CRI2	1		
14:43	MA16553-CCV4	1		
14:46	MA16553-CCB4	1		
----------->	Last reportable CCB for job MC26964			

Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121313W1.PRN Date Analyzed: 12/13/13 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA16553 Units: ug/l

Time:			13:08		13:13		13:45		14:16	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.018	-0.078	<0.20	-0.069	<0.20	-0.058	<0.20	-0.051	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121313W1.PRN Date Analyzed: 12/13/13 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA16553 Units: ug/l

Time:			14:46	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Mercury	0.20	.018	-0.068	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121313W1.PRN Date Analyzed: 12/13/13 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA16553 Units: ug/l

Time:		13:06			13:11			13:43	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	4	3.9	97.5	3	3.1	103.3	3	2.9	96.7

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121313W1.PRN Date Analyzed: 12/13/13 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA16553 Units: ug/l

Time:		14:13			14:43	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	3.0	3.0	100.0	3.0	3.0	100.0

(*) Outside of QC limits
(anr) Analyte not requested

8.2.2
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LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121313W1.PRN Date Analyzed: 12/13/13 Methods: SW846 7470A
QC Limits: 70 to 130 % Recovery Run ID: MA16553 Units: ug/l

Time:			13:15		14:36	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.17	85.0	0.16	80.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16555
Parameters: Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:17	MA16555-STD1	1		STD1
17:22	MA16555-STD2	1		STD2
17:27	MA16555-STD3	1		STD3
17:32	MA16555-STD4	1		STD4
17:37	MA16555-ICV1	1		
17:47	MA16555-ICB1	1		
17:53	MA16555-CCV1	1		
18:00	MA16555-CCB1	1		
18:05	MA16555-CRI1	1		
18:10	MA16555-CRI2	1		
18:15	MA16555-CRI3	1		
18:20	MA16555-ICSA1	1		
18:25	MA16555-ICSAB1	1		
18:30	MP22226-PS1	1		
18:35	MP22226-S1	10		
18:39	MP22226-S2	10		
18:44	JB53625-10	5		(sample used for QC only; not part of login MC26964)
18:49	MP22226-SD1	25		
---------->	Last reportable sample/prep for job MC26964			
18:54	MA16555-CCV2	1		
18:59	MA16555-CCB2	1		
19:04	ZZZZZZ	1		
19:09	ZZZZZZ	10		
19:14	ZZZZZZ	100		
19:19	ZZZZZZ	100		
19:24	MP22238-B1	1		
19:28	MP22238-MB1	1		
19:33	MP22238-S1	1		ISTDS FAILURE.
19:38	MP22238-S2	1		ISTDS FAILURE.
19:43	MC26860-1	1		(sample used for QC only; not part of login MC26964)
19:48	MP22238-SD1	5		
19:53	MA16555-CCV3	1		
19:58	MA16555-CCB3	1		
20:03	MP22238-B2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16555
Parameters: Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:07	ZZZZZZ	1		
20:12	ZZZZZZ	1		
20:17	ZZZZZZ	1		
20:22	ZZZZZZ	1		
20:27	ZZZZZZ	1		
20:32	ZZZZZZ	1		
20:38	ZZZZZZ	1		
20:43	ZZZZZZ	1		
20:47	ZZZZZZ	1		
20:52	MA16555-CCV4	1		
20:57	MA16555-CCB4	1		
21:02	ZZZZZZ	1		
21:07	ZZZZZZ	1		
21:12	ZZZZZZ	1		
21:17	ZZZZZZ	1		
21:22	ZZZZZZ	1		
21:27	ZZZZZZ	1		
21:32	ZZZZZZ	1		
21:37	ZZZZZZ	1		
21:42	ZZZZZZ	1		
21:47	ZZZZZZ	1		
21:52	MA16555-CCV5	1		
21:56	MA16555-CCB5	1		
22:01	MA16555-CRI4	1		
22:06	MA16555-CRI5	1		
22:11	MA16555-CRI6	1		
22:16	MA16555-ICSA2	1		
22:21	MA16555-ICSAB2	1		
22:26	MA16555-CCV6	1		
22:31	MA16555-CCB6	1		
---------->	Last reportable CCB for job MC26964			
22:36	MA16555-CRIB1	1		
22:41	MP22247-B1	1		
22:45	MP22247-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16555
Parameters: Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:50	MP22247-S1	1		
22:55	MP22247-S2	1		
23:00	MC26553-1R	1		(sample used for QC only; not part of login MC26964)
23:05	MP22247-SD1	5		
23:10	MP22247-LB1	1		
23:15	MP22248-B1	1		
23:20	MP22248-MB1	1		
23:25	MA16555-CCV7	1		
23:29	MA16555-CCB7	1		
23:34	MP22248-S1	1		
23:39	MP22248-S2	1		
23:44	MC27014-2	1		(sample used for QC only; not part of login MC26964)
23:49	MP22248-SD1	5		
23:54	MP22248-LB1	1		
23:59	MP22248-LS1	1		
00:04	ZZZZZZ	1		
00:09	ZZZZZZ	1		
00:14	ZZZZZZ	1		
00:19	ZZZZZZ	1		
00:24	MA16555-CCV8	1		
00:29	MA16555-CCB8	1		
00:34	ZZZZZZ	1		
00:39	ZZZZZZ	1		RINSECONF
00:44	ZZZZZZ	1		RINSECONF
00:49	MA16555-CRIB2	1		
00:54	MA16555-ICSA3	1		
00:59	MA16555-ICSAB3	1		
01:04	MA16555-CCV9	1		
01:08	MA16555-CCB9	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16555
Parameters: Se

Time	Sample Description	Istd#1	Istd#2	Istd#3
17:17	MA16555-STD1	4199 R	109500 R	8314 R
17:22	MA16555-STD2	4163	108060	8504
17:27	MA16555-STD3			8272
17:32	MA16555-STD4	4241	108660	7776
17:37	MA16555-ICV1	4152	108610	8192
17:47	MA16555-ICB1	4174	109260	8212
17:53	MA16555-CCV1	4199	109770	8276
18:00	MA16555-CCB1	4214	109020	8288
18:05	MA16555-CRI1	4164	108760	8245
18:10	MA16555-CRI2	4182	109260	8383
18:15	MA16555-CRI3	4160	108700	8263
18:20	MA16555-ICSA1	3804	101860	7950
18:25	MA16555-ICSAB1	3778	101070	8038
18:30	MP22226-PS1	3972	104070	8197
18:35	MP22226-S1	4169	110360	8298
18:39	MP22226-S2	4165	109620	8337
18:44	JB53625-10	4128	108400	8312
18:49	MP22226-SD1	4143	109170	8357
18:54	MA16555-CCV2	4201	110010	8200
18:59	MA16555-CCB2	4202	109730	8253
19:04	ZZZZZZ	3992	104660	8320
19:09	ZZZZZZ	4166	109370	8349
19:14	ZZZZZZ	4169	110050	8371
19:19	ZZZZZZ	4145	109870	8333
19:24	MP22238-B1	4069	108590	8382
19:28	MP22238-MB1	4114	109730	8379
19:33	MP22238-S1	5152	142450 !	11428 !
19:38	MP22238-S2	5214	140820	11319 !
19:43	MC26860-1	5249	143670 !	11540 !
19:48	MP22238-SD1	4435	116620	8978
19:53	MA16555-CCV3	4211	109360	8234
19:58	MA16555-CCB3	4131	111610	8303
20:03	MP22238-B2	4097	107280	8236

INTERNAL STANDARD SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16555
Parameters: Se

Time	Sample Description	Istd#1	Istd#2	Istd#3
20:07	ZZZZZZ	4420	117470	9664
20:12	ZZZZZZ	3979	104500	8281
20:17	ZZZZZZ	3825	101680	8203
20:22	ZZZZZZ	3844	101780	8215
20:27	ZZZZZZ	3784	103110	7733
20:32	ZZZZZZ	3765	103000	8248
20:38	ZZZZZZ	3898	106180	8447
20:43	ZZZZZZ	3930	106070	8284
20:47	ZZZZZZ	3892	105510	8219
20:52	MA16555-CCV4	4123	111350	8422
20:57	MA16555-CCB4	4138	109710	8323
21:02	ZZZZZZ	3655	97936	7944
21:07	ZZZZZZ	3949	105330	8250
21:12	ZZZZZZ	3985	107380	8480
21:17	ZZZZZZ	3841	103530	8224
21:22	ZZZZZZ	3873	105340	8324
21:27	ZZZZZZ	4082	106700	8383
21:32	ZZZZZZ	3840	101870	8195
21:37	ZZZZZZ	4013	106820	8324
21:42	ZZZZZZ	4031	109350	8356
21:47	ZZZZZZ	3449	93309	7975
21:52	MA16555-CCV5	4106	110170	8378
21:56	MA16555-CCB5	4058	108900	8269
22:01	MA16555-CRI4	4069	108820	8250
22:06	MA16555-CRI5	4070	109310	8340
22:11	MA16555-CRI6	4053	109230	8235
22:16	MA16555-ICSA2	3676	100490	8011
22:21	MA16555-ICSAB2	3693	100270	8057
22:26	MA16555-CCV6	4038	110630	8293
22:31	MA16555-CCB6	4018	108680	8285
22:36	MA16555-CRIB1	4023	105490	8365
22:41	MP22247-B1	3981	108440	8319
22:45	MP22247-MB1	3959	108510	8340

INTERNAL STANDARD SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16555
Parameters: Se

Time	Sample Description	Istd#1	Istd#2	Istd#3
22:50	MP22247-S1	3994	109380	8358
22:55	MP22247-S2	3989	108930	8466
23:00	MC26553-1R	4000	109400	8421
23:05	MP22247-SD1	3987	109480	8325
23:10	MP22247-LB1	3922	107890	8353
23:15	MP22248-B1	3664	101630	8279
23:20	MP22248-MB1	3999	110750	8257
23:25	MA16555-CCV7	4025	112080	8253
23:29	MA16555-CCB7	3978	109870	8275
23:34	MP22248-S1	3445	97792	8156
23:39	MP22248-S2	3476	97566	8231
23:44	MC27014-2	3454	97398	8129
23:49	MP22248-SD1	3826	106170	8119
23:54	MP22248-LB1	3587	98037	8156
23:59	MP22248-LS1	3080	83235	7361
00:04	ZZZZZZ	3076	83344	7480
00:09	ZZZZZZ	3274	94692	7986
00:14	ZZZZZZ	3261	95204	8108
00:19	ZZZZZZ	3370	96194	8050
00:24	MA16555-CCV8	3914	111650	8494
00:29	MA16555-CCB8	3866	109870	8361
00:34	ZZZZZZ	3376	96152	8144
00:39	ZZZZZZ	3887	109950	8366
00:44	ZZZZZZ	3856	109500	8299
00:49	MA16555-CRIB2	3860	108840	8241
00:54	MA16555-ICSA3	3573	100800	7952
00:59	MA16555-ICSAB3	3583	101200	7987
01:04	MA16555-CCV9	3870	109180	8174
01:08	MA16555-CCB9	3900	108670	8198

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16555 Units: ug/l

Time:			17:47		18:00		18:59		19:58	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	22	anr							
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.2	anr							
Barium	50	.53	anr							
Beryllium	4.0	.15	anr							
Boron	100	.49	anr							
Cadmium	4.0	.04	anr							
Calcium	5000	7.4	anr							
Chromium	10	.38	anr							
Cobalt	50	.15	anr							
Copper	25	.52	anr							
Gold	50	1.4								
Iron	100	5	anr							
Lead	5.0	.95	anr							
Magnesium	5000	47	anr							
Manganese	15	.04	anr							
Molybdenum	100	.29								
Nickel	40	.25	anr							
Palladium	50	1.9								
Platinum	50	5.9								
Potassium	5000	56	anr							
Selenium	10	1.8	0.40	<10	1.0	<10	1.0	<10	1.0	<10
Silicon	100	1.3								
Silver	5.0	.56	anr							
Sodium	5000	33	anr							
Sulfur	50	3.4								
Strontium	10	.15								
Thallium	5.0	.98	anr							
Tin	100	.35								
Titanium	50	.44								
Tungsten	100	5.6								
Vanadium	10	.58	anr							
Zinc	20	.21	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16555 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	1.8

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16555 Units: ug/l

Time:			20:57		21:56		22:31	
Sample ID:			CCB4		CCB5		CCB6	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	22	anr					
Antimony	6.0	1.1	anr					
Arsenic	4.0	1.2	anr					
Barium	50	.53	anr					
Beryllium	4.0	.15	anr					
Boron	100	.49	anr					
Cadmium	4.0	.04	anr					
Calcium	5000	7.4	anr					
Chromium	10	.38	anr					
Cobalt	50	.15	anr					
Copper	25	.52	anr					
Gold	50	1.4						
Iron	100	5	anr					
Lead	5.0	.95	anr					
Magnesium	5000	47	anr					
Manganese	15	.04	anr					
Molybdenum	100	.29						
Nickel	40	.25	anr					
Palladium	50	1.9						
Platinum	50	5.9						
Potassium	5000	56	anr					
Selenium	10	1.8	0.40	<10	1.2	<10	1.4	<10
Silicon	100	1.3						
Silver	5.0	.56	anr					
Sodium	5000	33	anr					
Sulfur	50	3.4						
Strontium	10	.15						
Thallium	5.0	.98	anr					
Tin	100	.35						
Titanium	50	.44						
Tungsten	100	5.6						
Vanadium	10	.58	anr					
Zinc	20	.21	anr					

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16555 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	1.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16555 Units: ug/l

Time:		17:37			17:53			18:54	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	3000	2980	99.3	2000	1950	97.5	2000	1960	98.0
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16555 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16555 Units: ug/l

Time:		19:53			20:52			21:52	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	2000	1950	97.5	2000	2020	101.0	2000	2010	100.5
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16555 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16555 Units: ug/l

Time:		22:26	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Boron	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Gold			
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Palladium			
Platinum			
Potassium	anr		
Selenium	2000	2040	102.0
Silicon			
Silver	anr		
Sodium	anr		
Sulfur			
Strontium			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16555 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16555 Units: ug/l

Time:			18:05		18:10		18:15		22:01	
Sample ID:	CRI	CRIA	CRI1		CRI2		CRI3		CRI4	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	200								
Antimony	6.0	10								
Arsenic	3.0	10	anr							
Barium	50	50								
Beryllium	1.0	4.0								
Boron	100	100								
Cadmium	4.0	4.0								
Calcium	5000	5000								
Chromium	10	10								
Cobalt	50	50								
Copper	25	25								
Gold	50	50								
Iron	100	100								
Lead	5.0	10								
Magnesium	5000	5000								
Manganese	15	15								
Molybdenum	100	100								
Nickel	40	40								
Palladium	50	50								
Platinum	50	50								
Potassium	5000	5000								
Selenium	10	10					11.1	111.0		
Silicon	100	100								
Silver	5.0	5.0								
Sodium	5000	5000								
Sulfur	50	50								
Strontium	10	10								
Thallium	2.0	10	anr							
Tin	100	100								
Titanium	50	50								
Tungsten	100	100								
Vanadium	10	10								
Zinc	20	20								

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16555 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	50

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16555 Units: ug/l

Time:			22:06		22:11	
Sample ID:	CRI	CRIA	CRI5		CRI6	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	200	200				
Antimony	6.0	10				
Arsenic	3.0	10				
Barium	50	50				
Beryllium	1.0	4.0	anr			
Boron	100	100				
Cadmium	4.0	4.0				
Calcium	5000	5000				
Chromium	10	10				
Cobalt	50	50				
Copper	25	25				
Gold	50	50				
Iron	100	100				
Lead	5.0	10				
Magnesium	5000	5000				
Manganese	15	15				
Molybdenum	100	100				
Nickel	40	40				
Palladium	50	50				
Platinum	50	50				
Potassium	5000	5000				
Selenium	10	10			10.0	100.0
Silicon	100	100				
Silver	5.0	5.0				
Sodium	5000	5000				
Sulfur	50	50				
Strontium	10	10				
Thallium	2.0	10				
Tin	100	100				
Titanium	50	50				
Tungsten	100	100				
Vanadium	10	10				
Zinc	20	20				

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16555 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	50

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16555 Units: ug/l

Time:			18:20		18:25		22:16		22:21	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	542000	108.4	531000	106.2	523000	104.6	521000	104.2
Antimony		2000	-0.60		2020	101.0	0.50		2060	103.0
Arsenic		2000	0.10		2100	105.0	-0.50		2110	105.5
Barium		500	0.10		526	105.2	0.0		524	104.8
Beryllium		500	0.10		484	96.8	0.0		476	95.2
Boron		1000	1.2		952	95.2	1.2		961	96.1
Cadmium		1000	-0.10		1010	101.0	0.20		1040	104.0
Calcium	500000	500000	459000	91.8	447000	89.4	455000	91.0	445000	89.0
Chromium		500	-0.10		456	91.2	-0.50		458	91.6
Cobalt		500	0.20		461	92.2	0.80		473	94.6
Copper		500	0.80		476	95.2	0.50		463	92.6
Gold		500	-3.3		475	95.0	-4.1		466	93.2
Iron	200000	200000	188000	94.0	186000	93.0	187000	93.5	184000	92.0
Lead		1000	2.0		854	85.4	0.60		859	85.9
Magnesium	500000	500000	510000	102.0	500000	100.0	494000	98.8	487000	97.4
Manganese		500	-0.40		467	93.4	-0.40		463	92.6
Molybdenum		1000	-2.5		942	94.2	-2.8		967	96.7
Nickel		1000	-2.4		832	83.2	-1.9		835	83.5
Palladium		500	-6.9		507	101.4	-1.5		498	99.6
Platinum		500	-0.60		485	97.0	-1.0		483	96.6
Potassium			86.6		50.7		232		227	
Selenium		2000	3.1		2010	100.5	-2.0		2060	103.0
Silicon		2000	35.1		4430	221.5*	35.3		4470	223.5*
Silver		1000	0.20		1030	103.0	-0.20		1040	104.0
Sodium			-4.1		-15		411		419	
Sulfur		500	97.4		504	100.8	96.5		510	102.0
Strontium		1000	-7.9		902	90.2	-7.9		883	88.3
Thallium		2000	-0.70		1770	88.5	-0.10		1770	88.5
Tin		1000	-1.7		925	92.5	-1.4		938	93.8
Titanium		500	5.1		473	94.6	5.5		472	94.4
Tungsten		2000	-12		1940	97.0	-19		1930	96.5
Vanadium		500	-0.30		474	94.8	0.10		474	94.8
Zinc		1000	0.80		892	89.2	1.1		919	91.9

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121213M2.ICP Date Analyzed: 12/12/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16555 Units: ug/l

Time: / Sample ID: / Metal								
Zirconium	500	1.7	379	75.8*	2.0	360	72.0*	

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121613S2.PRN Date Analyzed: 12/16/13 Methods: SW846 7471B
Analyst: SA Run ID: MA16563
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:29	MA16563-STD1	1		STD01REP1
13:31	MA16563-STD2	1		STD02REP1
13:34	MA16563-STD3	1		STD03REP1
13:36	MA16563-STD4	1		STD04REP1
13:39	MA16563-STD5	1		STD05REP1
13:41	MA16563-STD6	1		STD06REP1
13:44	MA16563-STD7	1		STD07REP1
13:46	MA16563-STD8	1		STD08REP1
13:48	MA16563-STD9	1		STD09REP1
13:52	MA16563-ICV1	1		
13:54	MA16563-ICB1	1		
13:57	MA16563-CCV1	1		
14:00	MA16563-CCB1	1		
14:02	MA16563-CRI1	1		
14:09	MP22259-MB1	1		
14:11	MP22259-B1	1		
14:14	MP22259-B2	1		
14:16	MP22259-S1	1		
14:18	MP22259-S2	1		
14:21	MC27138-11	1		(sample used for QC only; not part of login MC26964)
14:23	MP22259-LC1	10		
14:25	ZZZZZZ	1		
14:28	ZZZZZZ	1		
14:30	MA16563-CCV2	1		
14:33	MA16563-CCB2	1		
14:35	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:40	ZZZZZZ	1		
14:43	ZZZZZZ	1		
14:46	ZZZZZZ	1		
14:48	ZZZZZZ	1		
14:51	MC26964-1	1		
14:53	MC26964-2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121613S2.PRN Date Analyzed: 12/16/13 Methods: SW846 7471B
Analyst: SA Run ID: MA16563
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:56	MC26964-3	1		
14:58	MC26964-4	1		
15:01	MA16563-CCV3	1		
15:03	MA16563-CCB3	1		
15:06	MC26964-8	1		
---------->	Last reportable sample/prep for job MC26964			
15:08	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:13	ZZZZZZ	1		
15:16	ZZZZZZ	1		
15:19	ZZZZZZ	1		
15:21	ZZZZZZ	1		
15:26	MA16563-CRI2	1		
15:30	MA16563-CCV4	1		
15:33	MA16563-CCB4	1		
---------->	Last reportable CCB for job MC26964			

Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121613S2.PRN Date Analyzed: 12/16/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA16563 Units: ug/l

Time:			13:54		14:00		14:33		15:03	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.018	-0.014	<0.20	-0.0060	<0.20	-0.015	<0.20	-0.0080	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121613S2.PRN Date Analyzed: 12/16/13 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA16563 Units: ug/l

Time:			15:33	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Mercury	0.20	.018	-0.032	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

8.4.1
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121613S2.PRN Date Analyzed: 12/16/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA16563 Units: ug/l

Time:		13:52			13:57			14:30	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	4	3.9	97.5	3.0	3.0	100.0	3	3.1	103.3

(*) Outside of QC limits
(anr) Analyte not requested

8.4.2
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121613S2.PRN Date Analyzed: 12/16/13 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA16563 Units: ug/l

Time:		15:01			15:30	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.1	103.3	3	3.1	103.3

(*) Outside of QC limits
(anr) Analyte not requested

8.4.2
8

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121613S2.PRN Date Analyzed: 12/16/13 Methods: SW846 7471B
QC Limits: 70 to 130 % Recovery Run ID: MA16563 Units: ug/l

Time:			14:02		15:26	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.20	100.0	0.20	100.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB121313M1.ICP Date Analyzed: 12/13/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16564
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:05	MA16564-STD1	1		STD1
10:09	MA16564-STD2	1		STD2
10:14	MA16564-STD3	1		STD3
10:19	MA16564-STD4	1		STD4
10:24	MA16564-ICV1	1		
10:32	MA16564-ICB1	1		
10:36	MA16564-CCV1	1		
10:41	MA16564-CCB1	1		
10:46	MA16564-CRIA1	1		
10:51	MA16564-ICSA1	1		
10:56	MA16564-ICSAB1	1		
11:01	MP22249-B1	1		
11:06	MP22249-MB1	1		
11:11	MP22249-S1	1		
11:15	MP22249-S2	1		
11:20	MC26883-9	1		(sample used for QC only; not part of login MC26964)
11:25	MP22249-SD1	5		
11:30	MP22249-B2	1		
11:35	MA16564-CCV2	1		
11:40	MA16564-CCB2	1		
11:45	MP22249-LC1	1		
11:49	ZZZZZZ	1		
11:54	ZZZZZZ	1		
11:59	ZZZZZZ	1		
12:04	ZZZZZZ	1		
12:09	ZZZZZZ	1		
12:14	ZZZZZZ	1		
12:19	ZZZZZZ	1		
12:24	MC26964-1	1		
12:29	MC26964-2	1		BA OVER RANGE.
12:34	MA16564-CCV3	1		
12:39	MA16564-CCB3	1		
12:44	MC26964-3	1		AS HIGH RSD.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB121313M1.ICP Date Analyzed: 12/13/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16564
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:49	MC26964-4	1		
12:54	MC26964-8	1		
---------->	Last reportable sample/prep for job MC26964			
12:59	ZZZZZZ	1		
13:04	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:14	ZZZZZZ	1		
13:19	MA16564-CCV4	1		
13:24	MA16564-CCB4	1		
13:29	MA16564-CRIA2	1		
13:34	MA16564-ICSA2	1		
13:39	MA16564-ICSAB2	1		
13:43	MA16564-CCV5	1		
13:48	MA16564-CCB5	1		
---------->	Last reportable CCB for job MC26964			
	Refer to raw data for calibration curve and standards.			

INTERNAL STANDARD SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB121313M1.ICP Date Analyzed: 12/13/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16564
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
10:05	MA16564-STD1	1290 R	52367 R	18158 R
10:09	MA16564-STD2	1273	51947	18003
10:14	MA16564-STD3			19295
10:19	MA16564-STD4	1284	53634	19075
10:24	MA16564-ICV1	1266	53580	19400
10:32	MA16564-ICB1	1287	54121	19223
10:36	MA16564-CCV1	1276	53770	19330
10:41	MA16564-CCB1	1289	54479	19362
10:46	MA16564-CRIA1	1277	54294	19390
10:51	MA16564-ICSA1	1157	49869	19003
10:56	MA16564-ICSAB1	1156	50164	18918
11:01	MP22249-B1	1249	53133	19138
11:06	MP22249-MB1	1259	53600	19327
11:11	MP22249-S1	1384	59376	21720
11:15	MP22249-S2	1386	59366	21708
11:20	MC26883-9	1416	60174	22125
11:25	MP22249-SD1	1330	55320	20143
11:30	MP22249-B2	1266	53021	19419
11:35	MA16564-CCV2	1293	53987	19545
11:40	MA16564-CCB2	1300	54364	19494
11:45	MP22249-LC1	1382	58696	21294
11:49	ZZZZZZ	1514	63752	23158
11:54	ZZZZZZ	1404	60147	21821
11:59	ZZZZZZ	1395	59686	21746
12:04	ZZZZZZ	1272	55900	20749
12:09	ZZZZZZ	1291	56164	20875
12:14	ZZZZZZ	1392	58770	21466
12:19	ZZZZZZ	1276	55531	20559
12:24	MC26964-1	1320	56802	21009
12:29	MC26964-2	1314	56625	20831
12:34	MA16564-CCV3	1293	54358	19712
12:39	MA16564-CCB3	1302	54595	19444
12:44	MC26964-3	1320	57936	21823

INTERNAL STANDARD SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB121313M1.ICP Date Analyzed: 12/13/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16564
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
12:49	MC26964-4	1292	56184	20548
12:54	MC26964-8	1309	57371	20911
12:59	ZZZZZZ	1436	60556	22159
13:04	ZZZZZZ	1348	57858	21065
13:09	ZZZZZZ	1445	61790	22210
13:14	ZZZZZZ	1440	61288	22303
13:19	MA16564-CCV4	1292	54640	19790
13:24	MA16564-CCB4	1303	55511	19665
13:29	MA16564-CRIA2	1299	55025	19627
13:34	MA16564-ICSA2	1170	50577	19160
13:39	MA16564-ICSAB2	1173	50538	19161
13:43	MA16564-CCV5	1289	54563	19780
13:48	MA16564-CCB5	1306	54949	19633

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB121313M1.ICP Date Analyzed: 12/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16564 Units: ug/l

Time:			10:32		10:41		11:40		12:39	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.1								
Antimony	10	1.1								
Arsenic	10	2.2	-0.50	<10	0.10	<10	1.1	<10	0.30	<10
Barium	50	.19	0.10	<50	0.20	<50	0.10	<50	0.40	<50
Beryllium	4.0	.08								
Boron	100	.81								
Cadmium	4.0	.22	0.20	<4.0	0.30	<4.0	0.50	<4.0	0.30	<4.0
Calcium	5000	8.5								
Chromium	10	.74	0.50	<10	0.10	<10	0.30	<10	0.30	<10
Cobalt	50	.28								
Copper	25	.86								
Gold	50	1.8								
Iron	100	4.4								
Lead	10	1.6	0.30	<10	0.40	<10	0.50	<10	0.20	<10
Magnesium	5000	43								
Manganese	15	.17								
Molybdenum	100	.4								
Nickel	40	.45								
Palladium	50	2								
Platinum	50	8.7								
Potassium	5000	24								
Selenium	10	1.4	0.40	<10	0.50	<10	1.1	<10	1.1	<10
Silicon	100	2.1								
Silver	5.0	.47	0.40	<5.0	0.30	<5.0	0.20	<5.0	0.0	<5.0
Sodium	5000	42								
Sulfur	50	2.9								
Strontium	10	.1								
Thallium	10	1.7								
Tin	100	1.5								
Titanium	50	.48								
Tungsten	100	9.3								
Vanadium	10	.9								
Zinc	20	.91								

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB121313M1.ICP Date Analyzed: 12/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16564 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	.76

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB121313M1.ICP Date Analyzed: 12/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16564 Units: ug/l

Time:			13:24		13:48	
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	6.1				
Antimony	10	1.1				
Arsenic	10	2.2	-0.10	<10	0.50	<10
Barium	50	.19	0.30	<50	0.40	<50
Beryllium	4.0	.08				
Boron	100	.81				
Cadmium	4.0	.22	0.40	<4.0	0.40	<4.0
Calcium	5000	8.5				
Chromium	10	.74	0.20	<10	0.50	<10
Cobalt	50	.28				
Copper	25	.86				
Gold	50	1.8				
Iron	100	4.4				
Lead	10	1.6	-0.50	<10	0.50	<10
Magnesium	5000	43				
Manganese	15	.17				
Molybdenum	100	.4				
Nickel	40	.45				
Palladium	50	2				
Platinum	50	8.7				
Potassium	5000	24				
Selenium	10	1.4	-0.20	<10	0.30	<10
Silicon	100	2.1				
Silver	5.0	.47	0.30	<5.0	0.40	<5.0
Sodium	5000	42				
Sulfur	50	2.9				
Strontium	10	.1				
Thallium	10	1.7				
Tin	100	1.5				
Titanium	50	.48				
Tungsten	100	9.3				
Vanadium	10	.9				
Zinc	20	.91				

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB121313M1.ICP Date Analyzed: 12/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16564 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	.76

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB121313M1.ICP Date Analyzed: 12/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16564 Units: ug/l

Time:		10:24			10:36			11:35	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	3000	3020	100.7	2000	1960	98.0	2000	1940	97.0
Barium	3000	3080	102.7	2000	1980	99.0	2000	1970	98.5
Beryllium									
Boron									
Cadmium	3000	2980	99.3	2000	1980	99.0	2000	1970	98.5
Calcium									
Chromium	3000	2970	99.0	2000	1930	96.5	2000	1930	96.5
Cobalt									
Copper									
Gold									
Iron									
Lead	3000	2910	97.0	2000	1950	97.5	2000	1930	96.5
Magnesium									
Manganese									
Molybdenum									
Nickel									
Palladium									
Platinum									
Potassium									
Selenium	3000	2970	99.0	2000	1960	98.0	2000	1940	97.0
Silicon									
Silver	500	499	99.8	250	246	98.4	250	246	98.4
Sodium									
Sulfur									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc									

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB121313M1.ICP Date Analyzed: 12/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16564 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB121313M1.ICP Date Analyzed: 12/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16564 Units: ug/l

Time:		12:34			13:19			13:43	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	2000	1940	97.0	2000	1950	97.5	2000	1930	96.5
Barium	2000	1980	99.0	2000	1980	99.0	2000	1960	98.0
Beryllium									
Boron									
Cadmium	2000	1970	98.5	2000	1980	99.0	2000	1960	98.0
Calcium									
Chromium	2000	1920	96.0	2000	1910	95.5	2000	1890	94.5
Cobalt									
Copper									
Gold									
Iron									
Lead	2000	1930	96.5	2000	1940	97.0	2000	1920	96.0
Magnesium									
Manganese									
Molybdenum									
Nickel									
Palladium									
Platinum									
Potassium									
Selenium	2000	1940	97.0	2000	1960	98.0	2000	1930	96.5
Silicon									
Silver	250	246	98.4	250	247	98.8	250	244	97.6
Sodium									
Sulfur									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc									

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB121313M1.ICP Date Analyzed: 12/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16564 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB121313M1.ICP Date Analyzed: 12/13/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16564 Units: ug/l

Time:			10:46		13:29	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	200	200				
Antimony	6.0	10				
Arsenic	4.0	10	10.4	104.0	9.9	99.0
Barium	50	50	50.3	100.6	49.8	99.6
Beryllium	4.0	4.0				
Boron	100	100				
Cadmium	4.0	4.0	4.1	102.5	4.0	100.0
Calcium	5000	5000				
Chromium	10	10	9.9	99.0	9.6	96.0
Cobalt	50	50				
Copper	25	25				
Gold	50	50				
Iron	100	100				
Lead	5.0	10	9.4	94.0	9.8	98.0
Magnesium	5000	5000				
Manganese	15	15				
Molybdenum	100	100				
Nickel	40	40				
Palladium	50	50				
Platinum	50	50				
Potassium	5000	5000				
Selenium	10	10	11.4	114.0	10.7	107.0
Silicon	100	100				
Silver	5.0	5.0	5.2	104.0	5.2	104.0
Sodium	5000	5000				
Sulfur	50	50				
Strontium	10	10				
Thallium	5.0	10				
Tin	100	100				
Titanium	50	50				
Tungsten	100	100				
Vanadium	10	10				
Zinc	20	20				

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB121313M1.ICP Date Analyzed: 12/13/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16564 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	50

(*) Outside of QC limits
(anr) Analyte not requested

8.5.4

8

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB121313M1.ICP Date Analyzed: 12/13/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16564 Units: ug/l

Time:			10:51		10:56		13:34		13:39	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	529000	105.8	535000	107.0	529000	105.8	527000	105.4
Antimony		2000	3.9		2100	105.0	4.5		2080	104.0
Arsenic		2000	-3.2		2150	107.5	-2.8		2130	106.5
Barium		500	-0.60		503	100.6	-0.50		499	99.8
Beryllium		500	0.10		460	92.0	0.10		451	90.2
Boron		1000	0.90		1040	104.0	0.80		1030	103.0
Cadmium		1000	-0.30		1050	105.0	-0.40		1040	104.0
Calcium	500000	500000	450000	90.0	454000	90.8	441000	88.2	441000	88.2
Chromium		500	-0.30		473	94.6	-0.30		468	93.6
Cobalt		500	0.40		493	98.6	0.20		486	97.2
Copper		500	3.9		546	109.2	3.2		549	109.8
Gold		500	-1.0		493	98.6	-1.8		490	98.0
Iron	200000	200000	181000	90.5	182000	91.0	174000	87.0	174000	87.0
Lead		1000	-3.2		941	94.1	-2.2		926	92.6
Magnesium	500000	500000	517000	103.4	520000	104.0	503000	100.6	506000	101.2
Manganese		500	0.10		479	95.8	0.0		470	94.0
Molybdenum		1000	-1.1		982	98.2	-1.8		968	96.8
Nickel		1000	8.2		903	90.3	8.2		886	88.6
Palladium		500	-24		529	105.8	-25		524	104.8
Platinum		500	-31		479	95.8	-24		477	95.4
Potassium			-38		-57		-0.60		11.1	
Selenium		2000	-0.40		2040	102.0	-2.7		2010	100.5
Silicon		2000	51.3		7790	389.5*	51.3		7650	382.5*
Silver		1000	0.0		1060	106.0	0.10		1050	105.0
Sodium			30.3		42.4		40.1		48.1	
Sulfur		500	93.1		602	120.4	91.0		589	117.8
Strontium		1000	-7.5		956	95.6	-7.3		959	95.9
Thallium		2000	-3.7		1970	98.5	-4.8		1950	97.5
Tin		1000	-0.10		1000	100.0	-0.20		979	97.9
Titanium		500	5.8		505	101.0	5.8		501	100.2
Tungsten		2000	-12		1940	97.0	-22		1920	96.0
Vanadium		500	0.20		496	99.2	0.30		494	98.8
Zinc		1000	0.20		913	91.3	0.40		895	89.5

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB121313M1.ICP Date Analyzed: 12/13/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16564 Units: ug/l

Time: / Sample ID: / Metal								
Zirconium	500	2.6	383	76.6*	1.5	374	74.8*	

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16568
Parameters: As,Ba

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:27	MA16568-STD1	1		STD1
14:32	MA16568-STD2	1		STD2
14:37	MA16568-STD3	1		STD3
14:42	MA16568-STD4	1		STD4
14:47	MA16568-ICV1	1		
14:54	MA16568-ICB1	1		
14:58	MA16568-CCV1	1		
15:04	MA16568-CCB1	1		
15:09	MA16568-CRI1	1		
15:14	MA16568-ICSA1	1		
15:19	MA16568-ICSAB1	1		
15:24	MP22261-B1	1		
15:29	MP22261-MB1	1		
15:34	MP22261-S1	1		
15:38	MP22261-S2	1		
15:43	MC27087-3F	1		(sample used for QC only; not part of login MC26964)
15:48	MP22261-SD1	5		
15:53	MP22261-B2	1		
15:58	MA16568-CCV2	1		
16:02	MA16568-CCB2	1		
16:07	ZZZZZZ	1		
16:12	ZZZZZZ	1		
16:17	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:27	ZZZZZZ	1		
16:32	ZZZZZZ	1		
16:37	ZZZZZZ	1		
16:42	ZZZZZZ	1		
16:46	ZZZZZZ	1		
16:51	ZZZZZZ	1		
16:56	MA16568-CCV3	1		
17:01	MA16568-CCB3	1		
17:06	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26964
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Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16568
Parameters: As,Ba

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:11	ZZZZZZ	1		
17:16	ZZZZZZ	1		
17:21	ZZZZZZ	1		
17:26	ZZZZZZ	1		
17:30	ZZZZZZ	1		
17:35	ZZZZZZ	1		
17:40	ZZZZZZ	1		
17:45	ZZZZZZ	1		
17:50	MP22262-B1	1		
17:55	MA16568-CCV4	1		
18:00	MA16568-CCB4	1		
18:05	MP22262-MB1	1		
18:09	MP22262-S1	1		
18:14	MP22262-S2	1		
18:19	MC27047-6	1		(sample used for QC only; not part of login MC26964)
18:24	MP22262-SD1	5		
18:29	MP22262-B2	1		
18:34	ZZZZZZ	1		
18:39	ZZZZZZ	1		
18:44	ZZZZZZ	1		
18:49	ZZZZZZ	1		
18:54	MA16568-CCV5	1		
18:58	MA16568-CCB5	1		
19:03	ZZZZZZ	1		
19:08	ZZZZZZ	1		
19:13	ZZZZZZ	1		
19:18	ZZZZZZ	1		
19:23	ZZZZZZ	1		
19:28	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:38	ZZZZZZ	1		
19:43	ZZZZZZ	1		
19:47	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16568
Parameters: As,Ba

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:52	MA16568-CCV6	1		
19:57	MA16568-CCB6	1		
20:02	ZZZZZZ	1		
20:07	ZZZZZZ	1		
20:12	ZZZZZZ	1		
20:17	ZZZZZZ	1		
20:21	ZZZZZZ	1		
20:26	ZZZZZZ	1		RINSECONF
20:31	MA16568-CRI2	1		
20:36	MA16568-ICSA2	1		
20:41	MA16568-ICSAB2	1		
20:46	MA16568-CCV7	1		
20:51	MA16568-CCB7	1		
20:56	MA16568-CRIA1	1		
21:01	MC27055-6	1		(sample used for QC only; not part of login MC26964)
21:05	MP22255-SD1	5		
21:10	MP22255-PS1	1		
21:15	ZZZZZZ	10		
21:20	ZZZZZZ	10		
21:25	ZZZZZZ	10		
21:30	MC26964-3	1		
21:35	MC26964-2	10		
---------->	Last reportable sample/prep for job MC26964			
21:39	MP22263-B1	1		
21:44	MA16568-CCV8	1		
21:49	MA16568-CCB8	1		
21:54	MP22263-MB1	1		
21:59	MP22263-S1	1		
22:03	MP22263-S2	1		
22:08	MC27086-7	1		(sample used for QC only; not part of login MC26964)
22:13	MP22263-SD1	5		
22:18	MP22263-B2	1		
22:23	MP22263-LC1	1		
22:27	MP22263-PS1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

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Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16568
Parameters: As,Ba

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:32	ZZZZZZ	1		
22:37	ZZZZZZ	2		
22:42	MA16568-CCV9	1		
22:47	MA16568-CCB9	1		
22:51	ZZZZZZ	1		
22:56	ZZZZZZ	1		
23:01	ZZZZZZ	1		
23:06	ZZZZZZ	1		
23:11	ZZZZZZ	1		
23:16	ZZZZZZ	1		
23:20	ZZZZZZ	1		
23:25	ZZZZZZ	1		
23:30	ZZZZZZ	1		
23:35	ZZZZZZ	1		
23:40	MA16568-CCV10	1		
23:45	MA16568-CCB10	1		
23:50	ZZZZZZ	1		
23:54	ZZZZZZ	1		
23:59	ZZZZZZ	1		
00:04	ZZZZZZ	1		
00:09	ZZZZZZ	1		
00:14	ZZZZZZ	1		
00:19	ZZZZZZ	1		
00:24	ZZZZZZ	1		
00:28	MA16568-CCV11	1		
00:33	MA16568-CCB11	1		
00:38	MA16568-CRIA2	1		
00:43	MA16568-ICSA3	1		
00:48	MA16568-ICSAB3	1		
00:53	MA16568-CCV12	1		
00:58	MA16568-CCB12	1		
---------->	Last reportable CCB for job MC26964			
	Refer to raw data for calibration curve and standards.			

INTERNAL STANDARD SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16568
Parameters: As,Ba

Time	Sample Description	Istd#1	Istd#2	Istd#3
14:27	MA16568-STD1	4788 R	113030 R	9287 R
14:32	MA16568-STD2	4729	112690	9509
14:37	MA16568-STD3			9442
14:42	MA16568-STD4	4741	111490	9480
14:47	MA16568-ICV1	4754	113010	9390
14:54	MA16568-ICB1	4762	112010	9445
14:58	MA16568-CCV1	4739	115420	9429
15:04	MA16568-CCB1	4721	111300	9300
15:09	MA16568-CRI1	4742	112480	9321
15:14	MA16568-ICSA1	4368	104810	9045
15:19	MA16568-ICSAB1	4396	104880	9206
15:24	MP22261-B1	4687	112320	9519
15:29	MP22261-MB1	4737	113680	9583
15:34	MP22261-S1	4600	109420	9432
15:38	MP22261-S2	4606	109650	9381
15:43	MC27087-3F	4654	110740	9478
15:48	MP22261-SD1	4743	113210	9556
15:53	MP22261-B2	4693	111780	9475
15:58	MA16568-CCV2	4784	114420	9429
16:02	MA16568-CCB2	4757	112920	9384
16:07	ZZZZZZ	4726	113220	9814
16:12	ZZZZZZ	4729	114340	9651
16:17	ZZZZZZ	4662	113920	9813
16:22	ZZZZZZ	4725	113420	9636
16:27	ZZZZZZ	4717	113290	9568
16:32	ZZZZZZ	4710	112150	9676
16:37	ZZZZZZ	4690	113170	9619
16:42	ZZZZZZ	4899	116860	9963
16:46	ZZZZZZ	4905	117400	10029
16:51	ZZZZZZ	4534	108150	9471
16:56	MA16568-CCV3	4740	115100	9584
17:01	MA16568-CCB3	4765	113860	9470
17:06	ZZZZZZ	4686	113420	9478

INTERNAL STANDARD SUMMARY

Login Number: MC26964
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File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16568
Parameters: As,Ba

Time	Sample Description	Istd#1	Istd#2	Istd#3
17:11	ZZZZZZ	4649	112200	9493
17:16	ZZZZZZ	4670	112260	9442
17:21	ZZZZZZ	4688	112640	9549
17:26	ZZZZZZ	4570	111150	9437
17:30	ZZZZZZ	4685	113120	9574
17:35	ZZZZZZ	4643	112630	9621
17:40	ZZZZZZ	4677	113310	9629
17:45	ZZZZZZ	4706	113940	9563
17:50	MP22262-B1	4637	112650	9549
17:55	MA16568-CCV4	4722	114680	9650
18:00	MA16568-CCB4	4687	111890	9376
18:05	MP22262-MB1	4672	112670	9454
18:09	MP22262-S1	4422	107260	9357
18:14	MP22262-S2	4467	109600	9453
18:19	MC27047-6	4486	108570	9508
18:24	MP22262-SD1	4681	113100	9606
18:29	MP22262-B2	4668	113270	9588
18:34	ZZZZZZ	4580	111890	9650
18:39	ZZZZZZ	4613	111190	9511
18:44	ZZZZZZ	4653	113840	9494
18:49	ZZZZZZ	4645	113030	9663
18:54	MA16568-CCV5	4692	113260	9541
18:58	MA16568-CCB5	4750	114850	9746
19:03	ZZZZZZ	4472	109650	9542
19:08	ZZZZZZ	4517	111110	9525
19:13	ZZZZZZ	4467	109730	9541
19:18	ZZZZZZ	4547	111740	9500
19:23	ZZZZZZ	4497	111220	9693
19:28	ZZZZZZ	4493	109420	9513
19:33	ZZZZZZ	4532	111080	9615
19:38	ZZZZZZ	4533	111400	9640
19:43	ZZZZZZ	4556	111350	9595
19:47	ZZZZZZ	4492	110340	9590

INTERNAL STANDARD SUMMARY

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File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16568
Parameters: As,Ba

Time	Sample Description	Istd#1	Istd#2	Istd#3
19:52	MA16568-CCV6	4701	114240	9704
19:57	MA16568-CCB6	4683	114500	9743
20:02	ZZZZZZ	4536	110710	9551
20:07	ZZZZZZ	4580	112210	9609
20:12	ZZZZZZ	4582	113100	9559
20:17	ZZZZZZ	4451	109090	9544
20:21	ZZZZZZ	4513	111430	9494
20:26	ZZZZZZ	4670	113140	9513
20:31	MA16568-CRI2	4677	113630	9616
20:36	MA16568-ICSA2	4290	105920	9217
20:41	MA16568-ICSAB2	4302	105180	9371
20:46	MA16568-CCV7	4679	113950	9551
20:51	MA16568-CCB7	4652	113180	9595
20:56	MA16568-CRIA1	4713	113930	9501
21:01	MC27055-6	4892	118930	9944
21:05	MP22255-SD1	4784	116110	9763
21:10	MP22255-PS1	4893	119790	9922
21:15	ZZZZZZ	4753	116100	9680
21:20	ZZZZZZ	4770	116380	9727
21:25	ZZZZZZ	4769	116080	9717
21:30	MC26964-3	4849	120740	10768
21:35	MC26964-2	4702	115580	9678
21:39	MP22263-B1	4610	112570	9507
21:44	MA16568-CCV8	4698	114450	9562
21:49	MA16568-CCB8	4662	113250	9578
21:54	MP22263-MB1	4649	114200	9641
21:59	MP22263-S1	4873	120510	10029
22:03	MP22263-S2	4868	119970	10113
22:08	MC27086-7	4955	121270	10157
22:13	MP22263-SD1	4775	116180	9708
22:18	MP22263-B2	4610	113900	9638
22:23	MP22263-LC1	5067	125140	10523
22:27	MP22263-PS1	4892	120910	10156

INTERNAL STANDARD SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16568
Parameters: As,Ba

Time	Sample Description	Istd#1	Istd#2	Istd#3
22:32	ZZZZZZ	4926	125340	10504
22:37	ZZZZZZ	4817	120840	10172
22:42	MA16568-CCV9	4669	115950	9635
22:47	MA16568-CCB9	4655	115460	9704
22:51	ZZZZZZ	4913	120500	10280
22:56	ZZZZZZ	4908	121900	10303
23:01	ZZZZZZ	4865	121710	10233
23:06	ZZZZZZ	4820	120380	10276
23:11	ZZZZZZ	4898	120200	10152
23:16	ZZZZZZ	4905	122120	10447
23:20	ZZZZZZ	4876	120830	10239
23:25	ZZZZZZ	4915	122090	10306
23:30	ZZZZZZ	4935	121950	10254
23:35	ZZZZZZ	4897	120680	10158
23:40	MA16568-CCV10	4673	118170	9971
23:45	MA16568-CCB10	4664	114540	9794
23:50	ZZZZZZ	4851	120100	10178
23:54	ZZZZZZ	5041	124840	10574
23:59	ZZZZZZ	5012	124220	10593
00:04	ZZZZZZ	4947	123020	10418
00:09	ZZZZZZ	5088	126430	10734
00:14	ZZZZZZ	4969	123560	10449
00:19	ZZZZZZ	5133	128350	10894
00:24	ZZZZZZ	4699	120680	10116
00:28	MA16568-CCV11	4633	115260	9770
00:33	MA16568-CCB11	4614	114100	9812
00:38	MA16568-CRIA2	4611	114810	9685
00:43	MA16568-ICSA3	4259	106770	9311
00:48	MA16568-ICSAB3	4251	106690	9448
00:53	MA16568-CCV12	4672	116460	9774
00:58	MA16568-CCB12	4643	115480	9741

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %

INTERNAL STANDARD SUMMARY

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Analyst: SA Run ID: MA16568
Parameters: As,Ba

Time	Sample Description	Istd#1	Istd#2	Istd#3

Istd#3	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

8.6.1

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BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16568 Units: ug/l

Time:			14:54		15:04		16:02		17:01	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	22								
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.2	1.0	<4.0	-0.20	<4.0	0.30	<4.0	0.20	<4.0
Barium	50	.53	0.0	<50	0.10	<50	0.20	<50	0.20	<50
Beryllium	4.0	.15	anr							
Boron	100	.49								
Cadmium	4.0	.04	anr							
Calcium	5000	7.4								
Chromium	10	.38	anr							
Cobalt	50	.15								
Copper	25	.52	anr							
Gold	50	1.4								
Iron	100	5	anr							
Lead	5.0	.95	anr							
Magnesium	5000	47								
Manganese	15	.04	anr							
Molybdenum	100	.29								
Nickel	40	.25	anr							
Palladium	50	1.9								
Platinum	50	5.9								
Potassium	5000	56								
Selenium	10	1.8	anr							
Silicon	100	1.3								
Silver	5.0	.56	anr							
Sodium	5000	33								
Sulfur	50	3.4								
Strontium	10	.15								
Thallium	5.0	.98	anr							
Tin	100	.35								
Titanium	50	.44								
Tungsten	100	5.6								
Vanadium	10	.58	anr							
Zinc	20	.21	anr							

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Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16568 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	1.8

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16568 Units: ug/l

Time: / Sample ID:			18:00 CCB4		18:58 CCB5		19:57 CCB6		20:51 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	22								
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.2	-0.30	<4.0	0.10	<4.0	0.70	<4.0	0.70	<4.0
Barium	50	.53	0.0	<50	0.10	<50	-0.10	<50	0.0	<50
Beryllium	4.0	.15	anr							
Boron	100	.49								
Cadmium	4.0	.04	anr							
Calcium	5000	7.4								
Chromium	10	.38	anr							
Cobalt	50	.15								
Copper	25	.52	anr							
Gold	50	1.4								
Iron	100	5	anr							
Lead	5.0	.95	anr							
Magnesium	5000	47								
Manganese	15	.04	anr							
Molybdenum	100	.29								
Nickel	40	.25	anr							
Palladium	50	1.9								
Platinum	50	5.9								
Potassium	5000	56								
Selenium	10	1.8	anr							
Silicon	100	1.3								
Silver	5.0	.56	anr							
Sodium	5000	33								
Sulfur	50	3.4								
Strontium	10	.15								
Thallium	5.0	.98	anr							
Tin	100	.35								
Titanium	50	.44								
Tungsten	100	5.6								
Vanadium	10	.58	anr							
Zinc	20	.21	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
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Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16568 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	1.8

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16568 Units: ug/l

Time: / Sample ID:			21:49 CCB8		22:47 CCB9		23:45 CCB10		00:33 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	22								
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.2	0.10	<4.0	0.20	<4.0	0.40	<4.0	1.1	<4.0
Barium	50	.53	-0.10	<50	-0.10	<50	-0.40	<50	0.0	<50
Beryllium	4.0	.15	anr							
Boron	100	.49								
Cadmium	4.0	.04	anr							
Calcium	5000	7.4								
Chromium	10	.38	anr							
Cobalt	50	.15								
Copper	25	.52	anr							
Gold	50	1.4								
Iron	100	5	anr							
Lead	5.0	.95	anr							
Magnesium	5000	47								
Manganese	15	.04	anr							
Molybdenum	100	.29								
Nickel	40	.25	anr							
Palladium	50	1.9								
Platinum	50	5.9								
Potassium	5000	56								
Selenium	10	1.8	anr							
Silicon	100	1.3								
Silver	5.0	.56	anr							
Sodium	5000	33								
Sulfur	50	3.4								
Strontium	10	.15								
Thallium	5.0	.98	anr							
Tin	100	.35								
Titanium	50	.44								
Tungsten	100	5.6								
Vanadium	10	.58	anr							
Zinc	20	.21	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16568 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	1.8

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16568 Units: ug/l

Time:			00:58	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final
Aluminum	200	22		
Antimony	6.0	1.1	anr	
Arsenic	4.0	1.2	0.60	<4.0
Barium	50	.53	0.50	<50
Beryllium	4.0	.15	anr	
Boron	100	.49		
Cadmium	4.0	.04	anr	
Calcium	5000	7.4		
Chromium	10	.38	anr	
Cobalt	50	.15		
Copper	25	.52	anr	
Gold	50	1.4		
Iron	100	5	anr	
Lead	5.0	.95	anr	
Magnesium	5000	47		
Manganese	15	.04	anr	
Molybdenum	100	.29		
Nickel	40	.25	anr	
Palladium	50	1.9		
Platinum	50	5.9		
Potassium	5000	56		
Selenium	10	1.8	anr	
Silicon	100	1.3		
Silver	5.0	.56	anr	
Sodium	5000	33		
Sulfur	50	3.4		
Strontium	10	.15		
Thallium	5.0	.98	anr	
Tin	100	.35		
Titanium	50	.44		
Tungsten	100	5.6		
Vanadium	10	.58	anr	
Zinc	20	.21	anr	

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16568 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	1.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16568 Units: ug/l

Time:		14:47			14:58			15:58	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	3000	2960	98.7	2000	1940	97.0	2000	1940	97.0
Barium	3000	3010	100.3	2000	1950	97.5	2000	1950	97.5
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Gold									
Iron	anr								
Lead	anr								
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium									
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16568 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16568 Units: ug/l

Time:		16:56			17:55			18:54	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	2000	1960	98.0	2000	1960	98.0	2000	2000	100.0
Barium	2000	1950	97.5	2000	1920	96.0	2000	1990	99.5
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Gold									
Iron	anr								
Lead	anr								
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium									
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16568 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16568 Units: ug/l

Time:		19:52			20:46			21:44	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	2000	2000	100.0	2000	2010	100.5	2000	2000	100.0
Barium	2000	1960	98.0	2000	1990	99.5	2000	1950	97.5
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Gold									
Iron	anr								
Lead	anr								
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium									
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16568 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16568 Units: ug/l

Time:		22:42			23:40			00:28	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	2000	2030	101.5	2000	2030	101.5	2000	2050	102.5
Barium	2000	1970	98.5	2000	1920	96.0	2000	1990	99.5
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Gold									
Iron	anr								
Lead	anr								
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium									
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16568 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16568 Units: ug/l

Time:		00:53	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Aluminum			
Antimony	anr		
Arsenic	2000	2030	101.5
Barium	2000	1960	98.0
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Gold			
Iron	anr		
Lead	anr		
Magnesium			
Manganese	anr		
Molybdenum			
Nickel	anr		
Palladium			
Platinum			
Potassium			
Selenium	anr		
Silicon			
Silver	anr		
Sodium			
Sulfur			
Strontium			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16568 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16568 Units: ug/l

Time:			15:09		20:31		20:56		00:38	
Sample ID:	CRI	CRIA	CRI1		CRI2		CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	200								
Antimony	6.0	10	anr							
Arsenic	4.0	10	4.3	107.5	4.2	105.0	10.5	105.0	10.2	102.0
Barium	50	50	50.1	100.2	49.3	98.6	51.0	102.0	49.7	99.4
Beryllium	4.0	4.0	anr							
Boron	100	100								
Cadmium	4.0	4.0	anr							
Calcium	5000	5000								
Chromium	10	10	anr							
Cobalt	50	50								
Copper	25	25	anr							
Gold	50	50								
Iron	100	100	anr							
Lead	5.0	10	anr							
Magnesium	5000	5000								
Manganese	15	15	anr							
Molybdenum	100	100								
Nickel	40	40	anr							
Palladium	50	50								
Platinum	50	50								
Potassium	5000	5000								
Selenium	10	10	anr							
Silicon	100	100								
Silver	5.0	5.0	anr							
Sodium	5000	5000								
Sulfur	50	50								
Strontium	10	10								
Thallium	5.0	10	anr							
Tin	100	100								
Titanium	50	50								
Tungsten	100	100								
Vanadium	10	10	anr							
Zinc	20	20	anr							

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16568 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	50

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16568 Units: ug/l

Time:			15:14		15:19		20:36		20:41	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	523000	104.6	511000	102.2	536000	107.2	527000	105.4
Antimony		2000	-0.80		1970	98.5	1.4		2080	104.0
Arsenic		2000	0.60		2040	102.0	0.90		2120	106.0
Barium		500	0.0		500	100.0	-0.10		505	101.0
Beryllium		500	0.10		461	92.2	0.10		463	92.6
Boron		1000	0.90		934	93.4	0.70		993	99.3
Cadmium		1000	0.10		975	97.5	0.50		997	99.7
Calcium	500000	500000	454000	90.8	446000	89.2	453000	90.6	448000	89.6
Chromium		500	0.10		454	90.8	0.10		453	90.6
Cobalt		500	-1.5		449	89.8	-0.90		464	92.8
Copper		500	-4.4		470	94.0	-4.1		487	97.4
Gold		500	2.2		460	92.0	2.8		477	95.4
Iron	200000	200000	191000	95.5	188000	94.0	183000	91.5	181000	90.5
Lead		1000	-1.2		836	83.6	-0.90		882	88.2
Magnesium	500000	500000	505000	101.0	497000	99.4	499000	99.8	493000	98.6
Manganese		500	0.30		466	93.2	0.40		472	94.4
Molybdenum		1000	-2.1		897	89.7	-2.3		926	92.6
Nickel		1000	-4.7		822	82.2	-4.2		829	82.9
Palladium		500	-0.30		474	94.8	-7.0		462	92.4
Platinum		500	-3.7		459	91.8	-5.1		466	93.2
Potassium			160		78.0		77.0		37.3	
Selenium		2000	2.8		1930	96.5	1.3		2010	100.5
Silicon		2000	43.0		1990	99.5	46.2		2110	105.5
Silver		1000	0.10		1020	102.0	0.50		1010	101.0
Sodium			39.3		31.1		226		162	
Sulfur		500	102*		554	110.8	100*		557	111.4
Strontium		1000	-7.7		970	97.0	-7.7		951	95.1
Thallium		2000	-0.60		1720	86.0	-1.1		1840	92.0
Tin		1000	-1.9		883	88.3	-2.5		924	92.4
Titanium		500	5.6		461	92.2	5.4		462	92.4
Tungsten		2000	-17		1760	88.0	-13		1780	89.0
Vanadium		500	0.30		464	92.8	0.70		465	93.0
Zinc		1000	-0.50		873	87.3	-0.40		893	89.3

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16568 Units: ug/l

Time: / Sample ID: / Metal								
Zirconium	500	-0.20	378	75.6*	-0.40	385	77.0*	

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16568 Units: ug/l

Time:			00:43		00:48	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	536000	107.2	527000	105.4
Antimony		2000	1.4		2130	106.5
Arsenic		2000	1.1		2150	107.5
Barium		500	-0.50		504	100.8
Beryllium		500	0.0		457	91.4
Boron		1000	1.0		1020	102.0
Cadmium		1000	0.70		1010	101.0
Calcium	500000	500000	445000	89.0	438000	87.6
Chromium		500	-0.10		441	88.2
Cobalt		500	-0.50		470	94.0
Copper		500	-4.4		494	98.8
Gold		500	1.7		482	96.4
Iron	200000	200000	178000	89.0	174000	87.0
Lead		1000	-0.70		900	90.0
Magnesium	500000	500000	490000	98.0	482000	96.4
Manganese		500	0.30		469	93.8
Molybdenum		1000	-2.1		939	93.9
Nickel		1000	-3.9		828	82.8
Palladium		500	-8.9		448	89.6
Platinum		500	-3.0		457	91.4
Potassium			159		96.9	
Selenium		2000	-1.5		2050	102.5
Silicon		2000	50.7		2170	108.5
Silver		1000	0.40		996	99.6
Sodium			49.3		39.2	
Sulfur		500	94.2		551	110.2
Strontium		1000	-7.6		932	93.2
Thallium		2000	-1.0		1880	94.0
Tin		1000	-1.9		939	93.9
Titanium		500	5.4		454	90.8
Tungsten		2000	-12		1750	87.5
Vanadium		500	0.50		457	91.4
Zinc		1000	-0.40		893	89.3

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16568 Units: ug/l

Time: / Sample ID: / Metal				
Zirconium	500	-1.2	382	76.4*

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/10/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	22	40		
Antimony	6.0	1.1	1.9		
Arsenic	4.0	1.2	2.9	-0.70	<4.0
Barium	50	.53	.81	0.10	<50
Beryllium	4.0	.15	.25		
Boron	100	.49	1.4		
Cadmium	4.0	.04	.5	0.10	<4.0
Calcium	5000	7.4	38		
Chromium	10	.38	1.4	0.0	<10
Cobalt	50	.15	.4		
Copper	25	.52	7		
Gold	50	1.4	5		
Iron	100	5	20		
Lead	5.0	.95	1.7	-0.70	<5.0
Magnesium	5000	47	59		
Manganese	15	.04	.81		
Molybdenum	100	.29	.77		
Nickel	40	.25	.57		
Palladium	50	1.9	7.6		
Platinum	50	5.9	14		
Potassium	5000	56	160		
Selenium	10	1.8	4.8	0.60	<10
Silicon	100	1.3	45		
Silver	5.0	.56	1	0.10	<5.0
Sodium	5000	33	60		
Sulfur	50	3.4	8		
Strontium	10	.15	.26		
Thallium	5.0	.98	1.9		
Tin	100	.35	1.4		
Titanium	50	.44	1.8		
Tungsten	100	5.6	16		
Vanadium	10	.58	2.8		
Zinc	20	.21	.5		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal			
Zirconium	50	1.8	2.2

Associated samples MP22226: MC26964-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/10/13

Metal	JB53625-10 Original	MS	Spikelot MPICP	% Rec	QC Limits
Aluminum	anr				
Antimony	anr				
Arsenic	4.8	561	500	111.2	75-125
Barium	9.2	2030	2000	101.0	75-125
Beryllium	anr				
Boron					
Cadmium	0.30	547	500	109.3	75-125
Calcium	anr				
Chromium	1.7	528	500	105.3	75-125
Cobalt	anr				
Copper	anr				
Gold					
Iron	anr				
Lead	0.0	986	1000	98.6	75-125
Magnesium	anr				
Manganese	anr				
Molybdenum					
Nickel	anr				
Palladium					
Platinum					
Potassium	anr				
Selenium	1.8	289	500	57.4 (a)	75-125
Silicon					
Silver	0.80	216	200	107.6	75-125
Sodium	anr				
Sulfur					
Strontium					
Thallium	anr				
Tin					
Titanium					
Tungsten					
Vanadium	anr				
Zinc	anr				

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Zirconium

Associated samples MP22226: MC26964-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.Post spike within acceptable range.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/10/13

Metal	JB53625-10 Original	MSD	Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	4.8	569	500	112.8	1.4	20
Barium	9.2	2070	2000	103.0	2.0	20
Beryllium	anr					
Boron						
Cadmium	0.30	552	500	110.3	0.9	20
Calcium	anr					
Chromium	1.7	546	500	108.9	3.4	20
Cobalt	anr					
Copper	anr					
Gold						
Iron	anr					
Lead	0.0	1000	1000	100.0	1.4	20
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Platinum						
Potassium	anr					
Selenium						
Silicon						
Silver	0.80	219	200	109.1	1.4	20
Sodium	anr					
Sulfur						
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Zirconium

Associated samples MP22226: MC26964-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/10/13

Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	547	500	109.4	80-120
Barium	2010	2000	100.5	80-120
Beryllium	anr			
Boron				
Cadmium	533	500	106.6	80-120
Calcium	anr			
Chromium	527	500	105.4	80-120
Cobalt	anr			
Copper	anr			
Gold				
Iron	anr			
Lead	1010	1000	101.0	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Palladium				
Platinum				
Potassium	anr			
Selenium	535	500	107.0	80-120
Silicon				
Silver	209	200	104.5	80-120
Sodium	anr			
Sulfur				
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal
Zirconium

Associated samples MP22226: MC26964-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/10/13

Metal	JB53625-10 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	4.80	0.00	100.0(a)	0-10
Barium	9.20	10.8	17.4 (a)	0-10
Beryllium	anr			
Boron				
Cadmium	0.300	0.800	166.7(a)	0-10
Calcium	anr			
Chromium	1.70	0.00	100.0(a)	0-10
Cobalt	anr			
Copper	anr			
Gold				
Iron	anr			
Lead	0.00	0.00	NC	0-10
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Palladium				
Platinum				
Potassium	anr			
Selenium	1.80	0.00	100.0(a)	0-10
Silicon				
Silver	0.800	0.00	100.0(a)	0-10
Sodium	anr			
Sulfur				
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal
Zirconium

Associated samples MP22226: MC26964-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/10/13

Metal	Sample ml	Final ml	JB53625-10 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Boron										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Gold										
Iron										
Lead										
Magnesium										
Manganese										
Molybdenum										
Nickel										
Palladium										
Platinum										
Potassium										
Selenium	10	10.1	1.8		22.4	.1	2	19.80198	113.1	80-120
Silicon										
Silver										
Sodium										
Sulfur										
Strontium										
Thallium										
Tin										
Titanium										
Tungsten										
Vanadium										
Zinc										

POST DIGESTATE SPIKE SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22226
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal
Zirconium

Associated samples MP22226: MC26964-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22249
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 12/12/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	.61	3.6		
Antimony	1.0	.11	.15		
Arsenic	1.0	.22	.21	-0.15	<1.0
Barium	5.0	.019	.073	0.12	<5.0
Beryllium	0.40	.008	.024		
Boron	10	.081	.11		
Cadmium	0.40	.022	.042	0.010	<0.40
Calcium	500	.85	6.3		
Chromium	1.0	.074	.095	0.040	<1.0
Cobalt	5.0	.028	.047		
Copper	2.5	.086	.56		
Gold	5.0	.18	.43		
Iron	10	.44	.87		
Lead	1.0	.16	.17	-0.050	<1.0
Magnesium	500	4.3	5.1		
Manganese	1.5	.017	.04		
Molybdenum	10	.04	.07		
Nickel	4.0	.045	.044		
Palladium	5.0	.2	.64		
Platinum	5.0	.87	1.5		
Potassium	500	2.4	8.6		
Selenium	1.0	.14	.35	0.23	<1.0
Silicon	10	.21	3.3		
Silver	0.50	.047	.13	0.050	<0.50
Sodium	500	4.2	3.3		
Sulfur	5.0	.29	.82		
Strontium	1.0	.01	.03		
Thallium	1.0	.17	.13		
Tin	10	.15	.14		
Titanium	5.0	.048	.14		
Tungsten	10	.93	.94		
Vanadium	1.0	.09	.13		
Zinc	2.0	.091	.16		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22249 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date:

Metal			
Zirconium	5.0	.076	.088

Associated samples MP22249: MC26964-1, MC26964-2, MC26964-3, MC26964-4, MC26964-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22249
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 12/12/13

Metal	MC26883-9 Original	MS	Spikelot MPICP	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	9.2	48.6	47.6	82.7	75-125
Barium	81.3	251	191	89.1	75-125
Beryllium					
Boron					
Cadmium	0.097	44.4	47.6	93.0	75-125
Calcium					
Chromium	23.6	64.0	47.6	84.8	75-125
Cobalt					
Copper					
Gold					
Iron					
Lead	15.4	94.1	95.3	82.6	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel					
Palladium					
Platinum					
Potassium					
Selenium	0.0	41.1	47.6	86.3	75-125
Silicon					
Silver	0.0	17.5	19.1	91.8	75-125
Sodium					
Sulfur					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22249
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Zirconium

Associated samples MP22249: MC26964-1, MC26964-2, MC26964-3, MC26964-4, MC26964-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22249
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 12/12/13

Metal	MC26883-9 Original	MSD	Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	9.2	51.2	48.4	86.8	5.2	20
Barium	81.3	256	194	90.3	2.0	20
Beryllium						
Boron						
Cadmium	0.097	45.2	48.4	93.2	1.8	20
Calcium						
Chromium	23.6	65.4	48.4	86.4	2.2	20
Cobalt						
Copper						
Gold						
Iron						
Lead	15.4	97.0	96.8	84.3	3.0	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Palladium						
Platinum						
Potassium						
Selenium	0.0	41.2	48.4	85.1	0.2	20
Silicon						
Silver	0.0	18.0	19.4	93.0	2.8	20
Sodium						
Sulfur						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22249
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal
Zirconium

Associated samples MP22249: MC26964-1, MC26964-2, MC26964-3, MC26964-4, MC26964-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22249
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			12/12/13				12/12/13		
Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum									
Antimony									
Arsenic	54.1	50	108.2	80-120	52.8	50	105.6	2.4	20
Barium	211	200	105.5	80-120	209	200	104.5	1.0	20
Beryllium									
Boron									
Cadmium	53.1	50	106.2	80-120	51.8	50	103.6	2.5	20
Calcium									
Chromium	52.3	50	104.6	80-120	51.5	50	103.0	1.5	20
Cobalt									
Copper									
Gold									
Iron									
Lead	101	100	101.0	80-120	99.8	100	99.8	1.2	20
Magnesium									
Manganese									
Molybdenum									
Nickel									
Palladium									
Platinum									
Potassium									
Selenium	51.0	50	102.0	80-120	49.6	50	99.2	2.8	20
Silicon									
Silver	20.7	20	103.5	80-120	20.5	20	102.5	1.0	20
Sodium									
Sulfur									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc									

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22249
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal
Zirconium

Associated samples MP22249: MC26964-1, MC26964-2, MC26964-3, MC26964-4, MC26964-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22249
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 12/12/13

Metal	LCS Result	Spikelot MPLCS78	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	92.6	94.5	98.0	82-117
Barium	160	166	96.4	83-116
Beryllium				
Boron				
Cadmium	60.0	59.9	100.2	84-116
Calcium				
Chromium	67.5	69.3	97.4	81-119
Cobalt				
Copper				
Gold				
Iron				
Lead	85.5	91.7	93.2	82-118
Magnesium				
Manganese				
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium	160	159	100.6	79-121
Silicon				
Silver	33.5	33.9	98.8	66-134
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22249
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal
Zirconium

Associated samples MP22249: MC26964-1, MC26964-2, MC26964-3, MC26964-4, MC26964-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22249
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/12/13

Metal	MC26883-9 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	94.8	110	16.1 (a)	0-10
Barium	841	947	12.7 (b)	0-10
Beryllium				
Boron				
Cadmium	1.00	0.00	100.0(a)	0-10
Calcium				
Chromium	244	283	15.8 (b)	0-10
Cobalt				
Copper				
Gold				
Iron				
Lead	159	179	12.3 (b)	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22249
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Zirconium

Associated samples MP22249: MC26964-1, MC26964-2, MC26964-3, MC26964-4, MC26964-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22251
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 12/13/13

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.018	.067	-0.045	<0.20

Associated samples MP22251: MC26964-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22251
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 12/13/13

Metal	MC26860-1 Original	MS	Spikelot HGRWS1	% Rec	QC Limits
Mercury	0.0	3.6	3	120.0	75-125

Associated samples MP22251: MC26964-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22251 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 12/13/13

Metal	MC26860-1 Original	MSD	Spikelot HGRWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	3.7	3	123.3	2.7	20

Associated samples MP22251: MC26964-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22251
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 12/13/13 12/13/13

Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	3.2	3	106.7	80-120	3.1	3	103.3	3.2	20

Associated samples MP22251: MC26964-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22259 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/16/13

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0029	.0097	0.00017	<0.033

Associated samples MP22259: MC26964-1, MC26964-2, MC26964-3, MC26964-4, MC26964-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22259 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/16/13

Metal	MC27138-11 Original	MS	Spikelot HGRWS1	% Rec	QC Limits
Mercury	0.11	0.57	0.491	93.7	80-120

Associated samples MP22259: MC26964-1, MC26964-2, MC26964-3, MC26964-4, MC26964-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22259 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/16/13

Metal	MC27138-11 Original	MSD	Spikelot HGRWS1	% Rec	MSD RPD	QC Limit
Mercury	0.11	0.63	0.491	105.9	10.0	20

Associated samples MP22259: MC26964-1, MC26964-2, MC26964-3, MC26964-4, MC26964-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22259
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/16/13 12/16/13

Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	0.50	0.5	100.0	80-120	0.50	0.5	100.0	0.0	20

Associated samples MP22259: MC26964-1, MC26964-2, MC26964-3, MC26964-4, MC26964-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.10.3
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22259
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/16/13

Metal	LCS Result	Spikelot HGLCS78	% Rec	QC Limits
Mercury	4.1	4.05	101.2	72-128

Associated samples MP22259: MC26964-1, MC26964-2, MC26964-3, MC26964-4, MC26964-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

New England ACCUTEST LABORATORIES

Metals Analysis

Raw Data

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 12/12/2013 11:30:35 Type: Cal
Method: Accutest -SS1 with S(v269) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0021**	**-.0014**	**-.0001**	**.0000**	**.0008**	**.0132**	**.0003**	**.0023**	**.0016**
Stddev	.0001	.0000	.0000	.0000	.0001	.0002	.0003	.0002	.0003
%RSD	4.233	2.332	26.65	22.55	7.936	1.191	89.85	8.306	19.59
#1	-.0020	-.0013	-.0001	.0000	.0007	.0131	.0005	.0022	.0014
#2	-.0022	-.0014	-.0001	.0000	.0008	.0133	.0001	.0024	.0019

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0003**	**.0000**	**.0007**	**.0006**	**-.0028**	**-.0002**	**.0003**	**-.0003**	**.0206**
Stddev	.0000	.0000	.0001	.0000	.0000	.0004	.0001	.0001	.0003
%RSD	1.837	20.64	14.54	3.792	1.385	193.9	27.63	15.44	1.675
#1	-.0003	.0000	.0008	.0006	-.0028	.0001	.0002	-.0003	.0208
#2	-.0003	.0001	.0006	.0006	-.0028	-.0006	.0003	-.0004	.0203

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0004**	**-.0002**	**.0003**	**.0000**	**-.0005**	**.0004**	**.0002**	**.0070**	**-.0003**
Stddev	.0000	.0001	.0000	.0000	.0000	.0000	.0001	.0000	.0000
%RSD	6.579	27.01	13.23	36.45	3.335	8.679	28.79	.5778	5.905
#1	-.0005	-.0003	.0003	.0000	-.0005	.0004	.0002	.0071	-.0003
#2	-.0004	-.0002	.0002	.0001	-.0005	.0003	.0001	.0070	-.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0058**	**-.0003**	**-.0008**	**.0001**	**.0000**	**-.0006**	**.0105**
Stddev	.0001	.0000	.0001	.0000	.0000	.0001	.0001
%RSD	1.164	4.427	10.93	30.71	10.99	16.48	.6422
#1	.0058	-.0003	-.0008	.0001	.0000	-.0007	.0105
#2	.0057	-.0003	-.0009	.0001	.0000	-.0005	.0104

◀ Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 12/12/2013 11:30:35 Type: Cal
Method: Accutest -SS1 with S(v269) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4214.5**	**109320.**	**8202.3**
Stddev	7.2	42.	95.5
%RSD	.17183	.03879	1.1638
#1	4219.6	109350.	8134.8
#2	4209.4	109290.	8269.8

◀ Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 12/12/2013 11:44:26 Type: Cal
Method: Accutest -SS1 with S(v269) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1269**	**.5588**	**2.188**	**15.40**	**18.46**	**10.59**	**8.541**	**.5108**	**1.625**
Stddev	.0000	.0005	.003	.40	.63	.00	.008	.0013	.017
%RSD	.0188	.0965	.1336	2.589	3.407	.0411	.0887	.2615	1.035
#1	.1269	.5584	2.186	15.68	18.90	10.59	8.536	.5099	1.637
#2	.1269	.5592	2.190	15.11	18.01	10.59	8.546	.5118	1.613

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.579**	**4.430**	**5.846**	**1.417**	**.7413**	**.3905**	**.8028**	**8.949**
Stddev	.017	.015	.009	.002	.0006	.0001	.0014	.006
%RSD	.4677	.3263	.1563	.1560	.0789	.0166	.1732	.0674
#1	3.567	4.419	5.840	1.416	.7409	.3905	.8018	8.944
#2	3.591	4.440	5.853	1.419	.7417	.3906	.8038	8.953

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4188.5**	**108730.**	**8163.2**
Stddev	4.1	19.	280.5
%RSD	.09835	.01767	3.4359
#1	4191.4	108720.	7964.8
#2	4185.6	108750.	8361.5

◀ Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 12/12/2013 11:49:19 Type: Cal
Method: Accutest -SS1 with S(v269) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.031**	**2.257**	**1.208**	**1.040**	**.1678**	**3.662**
Stddev	.004	.004	.002	.003	.0007	.005
%RSD	.3898	.1977	.1354	.2827	.4400	.1375
#1	1.034	2.260	1.209	1.042	.1672	3.666
#2	1.029	2.254	1.207	1.038	.1683	3.659

Int. Std.	Y_3710
Units	Cts/S
Avg	**8230.2**
Stddev	20.8
%RSD	.25319
#1	8244.9
#2	8215.4

Zoom In Zoom Out

Sample Name: Std4 Acquired: 12/12/2013 11:54:14 Type: Cal
Method: Accutest -SS1 with S(v269) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	S_1820	Si2124	Sn1899	Sr4077	Ti3349	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1509**	**.3187**	**.0583**	**.1493**	**1.379**	**1.722**	**29.90**	**1.344**	**.6091**
Stddev	.0002	.0003	.0001	.0001	.004	.004	.04	.002	.0006
%RSD	.1393	.0856	.1943	.0513	.2633	.2243	.1414	.1201	.1054
#1	.1511	.3189	.0584	.1494	1.377	1.719	29.87	1.343	.6095
#2	.1508	.3185	.0582	.1493	1.382	1.725	29.93	1.345	.6086

Elem	W_2397	Zr3391
Units	Cts/S	Cts/S
Avg	**.0542**	**1.237**
Stddev	.0001	.002
%RSD	.1991	.1348
#1	.0541	1.238
#2	.0542	1.236

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4223.5**	**109530.**	**8255.7**
Stddev	5.0	512.	8.8
%RSD	.11893	.46755	.10625
#1	4227.0	109170.	8261.9
#2	4219.9	109890.	8249.5

Zoom In Zoom Out

Sample Name: ICV Acquired: 12/12/2013 11:59:06 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.5081**	**16.15**	**3.022**	**2.946**	**2.995**	**3.046**	**2.969**	**18.21**	**3.005**
Stddev	.0059	.11	.017	.023	.012	.000	.027	.11	.002
%RSD	1.158	.6529	.5615	.7804	.3939	.0145	.9108	.6131	.0483
#1	.5123	16.23	3.034	2.962	3.003	3.046	2.988	18.29	3.006
#2	.5040	16.08	3.010	2.930	2.986	3.046	2.950	18.13	3.004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**3.001**	**3.045**	**2.885**	**18.52**	**15.42**	**18.42**	**3.024**	**2.897**	**15.59**
Stddev	.007	.033	.027	.19	.04	.30	.031	.002	.09
%RSD	.2348	1.089	.9403	1.032	.2657	1.645	1.016	.0680	.5692
#1	3.006	3.068	2.904	18.66	15.45	18.63	3.046	2.898	15.65
#2	2.996	3.021	2.866	18.39	15.39	18.20	3.002	2.895	15.53

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**2.843**	**2.889**	**2.987**	**2.956**	**3.008**	**2.971**	**3.026**	**2.992**	**3.146**
Stddev	.017	.021	.025	.038	.011	.012	.008	.012	.013
%RSD	.5987	.7139	.8316	1.281	.3734	.3974	.2620	.3905	.3995
#1	2.855	2.904	3.004	2.983	3.016	2.980	3.032	3.000	3.155
#2	2.831	2.875	2.969	2.929	3.000	2.963	3.021	2.984	3.137

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**3.048**	**3.012**	**2.937**	**2.951**	**3.064**	**2.959**	**3.120**
Stddev	.016	.034	.016	.029	.029	.006	.024
%RSD	.5072	1.117	.5350	.9863	.9316	.1963	.7597
#1	3.059	3.035	2.948	2.972	3.084	2.964	3.136
#2	3.037	2.988	2.925	2.931	3.044	2.955	3.103

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4150.6**	**108630.**	**8230.8**
Stddev	12.7	803.	60.1
%RSD	.30668	.73953	.73002
#1	4141.6	108060.	8188.4
#2	4159.6	109200.	8273.3

Zoom In Zoom Out

Sample Name: ICB Acquired: 12/12/2013 12:06:00 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**-.0102**	**-.0001**	**.0019**	**.0011**	**.0002**	**.0001**	**.0046**	**.0000**
Stddev	.0004	.0010	.0001	.0003	.0001	.0001	.0000	.0013	.0000
%RSD	137.1	10.03	207.9	15.56	6.663	51.76	81.01	28.19	3.114
#1	.0000	-.0095	-.0001	.0017	.0012	.0001	.0000	.0055	.0000
#2	.0005	-.0109	.0000	.0021	.0011	.0003	.0001	.0037	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**-.0004**	**-.0002**	**-.0017**	**.0226**	**-.0015**	**-.0001**	**.0025**	**.0089**
Stddev	.0000	.0001	.0003	.0040	.0108	.0146	.0000	.0004	.0019
%RSD	45.74	30.40	167.8	231.6	47.65	952.6	51.61	17.43	21.55
#1	-.0001	-.0005	-.0004	.0011	.0302	-.0118	.0000	.0028	.0102
#2	-.0001	-.0003	.0000	-.0046	.0150	.0088	-.0001	.0022	.0075

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0000**	**-.0004**	**.0002**	**.0059**	**-.0025**	**.0001**	**.0016**	**-.0001**	**.0005**
Stddev	.0001	.0008	.0017	.0014	.0015	.0002	.0001	.0003	.0002
%RSD	365.1	199.7	736.1	24.42	59.68	305.5	6.545	440.4	33.29
#1	.0000	.0002	-.0009	.0069	-.0014	.0002	.0016	.0001	.0006
#2	.0001	-.0009	.0014	.0049	-.0035	-.0001	.0015	-.0003	.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0003**	**.0003**	**.0010**	**.0001**	**.0116**	**.0002**	**.0012**
Stddev	.0000	.0000	.0001	.0001	.0042	.0000	.0002
%RSD	17.55	15.70	11.19	125.9	36.11	19.36	15.18
#1	.0003	.0003	.0009	.0000	.0146	.0002	.0013
#2	.0002	.0002	.0011	.0002	.0087	.0002	.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4175.6**	**108940.**	**8239.3**
Stddev	11.1	111.	66.0
%RSD	.26645	.10150	.80098
#1	4167.7	108870.	8285.9
#2	4183.4	109020.	8192.6

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 12:11:14 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2476**	**9.941**	**1.957**	**-.0011**	**1.954**	**1.920**	**1.943**	**9.957**	**1.998**
Stddev	.0008	.004	.005	.0000	.002	.003	.006	.003	.005
%RSD	.3038	.0457	.2409	1.934	.0816	.1385	.3197	.0299	.2460
#1	.2471	9.944	1.960	-.0011	1.952	1.922	1.948	9.959	2.001
#2	.2482	9.938	1.954	-.0010	1.955	1.918	1.939	9.955	1.994

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.062**	**1.951**	**1.889**	**10.04**	**9.913**	**9.826**	**1.973**	**1.979**	**9.978**
Stddev	.007	.004	.008	.04	.006	.016	.003	.003	.044
%RSD	.3491	.1795	.4187	.3893	.0599	.1642	.1249	.1372	.4460
#1	2.067	1.954	1.894	10.07	9.909	9.815	1.975	1.981	10.01
#2	2.057	1.949	1.883	10.01	9.918	9.838	1.971	1.977	9.946

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.930**	**1.927**	**.0015**	**-.0115**	**-.0032**	**1.973**	**1.986**	**-.0106**	**1.965**
Stddev	.003	.002	.0001	.0037	.0001	.002	.008	.0001	.005
%RSD	.1753	.0930	4.157	32.24	3.932	.1195	.4060	.5954	.2534
#1	1.933	1.928	.0015	-.0089	-.0033	1.972	1.992	-.0106	1.968
#2	1.928	1.925	.0016	-.0141	-.0031	1.975	1.980	-.0105	1.961

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.974**	**1.947**	**1.945**	**1.942**	**.0022**	**1.981**	**.0363**
Stddev	.001	.004	.000	.003	.0031	.011	.0071
%RSD	.0365	.2291	.0137	.1398	142.7	.5686	19.54
#1	1.975	1.950	1.945	1.944	.0000	1.989	.0414
#2	1.974	1.944	1.945	1.940	.0044	1.973	.0313

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4184.0**	**110570.**	**8312.9**
Stddev	6.6	111.	13.5
%RSD	.15738	.10010	.16210
#1	4179.4	110490.	8322.4
#2	4188.7	110650.	8303.4

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 12:17:50 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**.0095**	**-.0001**	**.0003**	**.0011**	**-.0002**	**.0001**	**.0044**	**.0000**
Stddev	.0001	.0168	.0001	.0008	.0003	.0001	.0001	.0009	.0001
%RSD	50.15	176.6	79.15	322.7	28.69	45.62	56.83	21.15	474.2
#1	.0002	-.0024	-.0002	-.0003	.0013	-.0003	.0001	.0051	.0000
#2	.0003	.0214	-.0001	.0009	.0009	-.0001	.0001	.0038	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**-.0002**	**-.0002**	**.0000**	**.0257**	**.0428**	**.0000**	**.0019**	**-.0043**
Stddev	.0001	.0001	.0001	.002	.0061	.0512	.000	.0002	.0040
%RSD	147.5	65.65	53.71	5557.	23.79	119.5	157.7	9.113	92.99
#1	.0000	-.0003	-.0003	-.0012	.0301	.0066	-.0001	.0020	-.0071
#2	.0002	-.0001	-.0001	.0011	.0214	.0790	.0000	.0018	-.0015

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**-.0008**	**-.0007**	**.0039**	**-.0009**	**.0007**	**.0010**	**-.0002**	**.0006**
Stddev	.0002	.0008	.0002	.0010	.0004	.0003	.0010	.0001	.0000
%RSD	227.7	95.66	28.81	26.13	39.49	46.43	94.86	50.12	.6039
#1	.0000	-.0003	-.0009	.0032	-.0012	.0005	.0003	-.0002	.0005
#2	.0002	-.0013	-.0006	.0046	-.0007	.0009	.0017	-.0003	.0006

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0002**	**.0008**	**-.0004**	**.0021**	**.0000**	**.0003**
Stddev	.0000	.0004	.0001	.0001	.0002	.0001	.0004
%RSD	91.38	186.8	11.09	26.00	10.32	709.1	137.0
#1	.0001	-.0001	.0008	-.0005	.0019	.0000	.0006
#2	.0000	.0004	.0007	-.0004	.0022	.0000	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4166.4**	**109200.**	**8218.0**
Stddev	33.9	136.	18.3
%RSD	.81358	.12454	.22324
#1	4142.5	109100.	8205.0
#2	4190.4	109300.	8231.0

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 12:22:47 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0001**	**.0021**	**.0026**	**.0005**	**.0008**	**.0002**	**.0000**	**.0043**	**.0000**
Stddev	.0001	.0018	.0000	.0006	.0000	.0002	.0001	.0016	.0000
%RSD	250.0	86.20	1.252	110.6	6.083	107.7	139.7	35.76	280.4
#1	.0000	.0008	.0026	.0001	.0007	.0000	.0001	.0032	.0000
#2	.0002	.0034	.0025	.0009	.0008	.0003	.0000	.0054	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0060**	**-.0004**	**-.0004**	**.0193**	**.0227**	**-.0001**	**.0014**	**.0098**
Stddev	.0001	.0003	.0000	.0008	.0019	.0286	.0000	.0001	.0089
%RSD	258.5	4.629	13.07	182.1	9.931	126.2	2.136	9.592	90.57
#1	.0001	.0062	-.0003	-.0010	.0206	.0430	-.0001	.0015	.0035
#2	.0000	.0058	-.0004	.0001	.0179	.0024	-.0001	.0013	.0161

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0032**	**.0035**	**.0015**	**-.0006**	**-.0026**	**.0000**	**.0007**	**.0017**	**.0004**
Stddev	.0001	.0004	.0013	.0039	.0006	.000	.0005	.0001	.0002
%RSD	3.221	11.26	89.19	660.9	21.94	408.7	83.40	7.443	50.68
#1	.0031	.0032	.0024	.0022	-.0030	-.0002	.0010	.0017	.0005
#2	.0033	.0038	.0005	-.0033	-.0022	.0001	.0003	.0018	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0000**	**.0019**	**-.0003**	**.0016**	**.0003**	**.0005**
Stddev	.0001	.0000	.0006	.0003	.0034	.0000	.0002
%RSD	234.8	53.34	29.54	78.65	212.2	10.22	48.54
#1	.0001	.0000	.0023	-.0001	.0040	.0002	.0003
#2	.0000	.0000	.0015	-.0005	-.0008	.0003	.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4163.9**	**108160.**	**8095.9**
Stddev	9.9	78.	96.0
%RSD	.23742	.07191	1.1863
#1	4170.9	108110.	8163.8
#2	4156.9	108220.	8028.0

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 12:29:45 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0024**	**.0046**	**.0002**	**-.0003**	**.0007**	**.0203**	**.0010**	**.0056**	**.0000**
Stddev	.0003	.0073	.0001	.0002	.0001	.0001	.0000	.0002	.000
%RSD	10.57	157.9	58.14	56.53	17.79	.2577	3.374	2.825	527.2
#1	.0025	.0098	.0002	-.0002	.0008	.0204	.0010	.0057	-.0001
#2	.0022	-.0005	.0001	-.0005	.0006	.0203	.0011	.0055	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**-.0004**	**.0097**	**.0005**	**.0120**	**.0069**	**.0000**	**.0005**	**-.0131**
Stddev	.000	.0003	.0004	.0002	.0032	.0211	.000	.0001	.0089
%RSD	824.7	79.04	4.279	36.78	26.76	305.0	74.56	22.55	67.92
#1	-.0001	-.0002	.0100	.0006	.0098	-.0080	.0000	.0004	-.0194
#2	.0000	-.0006	.0094	.0004	.0143	.0218	-.0001	.0006	-.0068

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0104**	**.0001**	**.0000**	**.0013**	**-.0022**	**.0006**	**.0009**	**.0054**	**.0006**
Stddev	.0003	.0002	.001	.0001	.0013	.0003	.0002	.0007	.0005
%RSD	3.218	196.7	53020.	10.60	62.16	48.88	17.79	13.13	85.94
#1	.0106	.0002	-.0006	.0013	-.0012	.0008	.0010	.0060	.0010
#2	.0102	.0000	.0006	.0012	-.0031	.0004	.0008	.0049	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0001**	**.0001**	**-.0003**	**.0041**	**.0011**	**.0000**
Stddev	.000	.0000	.0005	.0001	.0011	.0001	.000
%RSD	1528.	4.604	471.7	24.10	27.15	5.725	1664.
#1	.0001	.0001	-.0003	-.0004	.0034	.0010	-.0003
#2	-.0001	.0001	.0005	-.0003	.0049	.0011	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4216.3**	**109660.**	**8179.6**
Stddev	22.1	536.	10.2
%RSD	.52495	.48909	.12468
#1	4200.7	110040.	8186.8
#2	4232.0	109280.	8172.4

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 12:34:41 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0053**	**.2106**	**.0034**	**-.0008**	**.1005**	**.0495**	**.0041**	**5.063**	**.0042**
Stddev	.0001	.0065	.0001	.0011	.0001	.0004	.0000	.021	.0001
%RSD	1.559	3.095	2.677	150.4	.1314	.7350	1.029	.4075	3.064
#1	.0053	.2152	.0035	-.0016	.1006	.0498	.0041	5.078	.0041
#2	.0054	.2060	.0033	.0000	.1004	.0493	.0040	5.049	.0043

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0525**	**.0100**	**.0238**	**.0996**	**5.049**	**5.103**	**.0155**	**.1017**	**5.080**
Stddev	.0000	.0001	.0002	.0007	.017	.046	.0000	.0005	.033
%RSD	.0216	.6430	.9390	.7210	.3304	.8985	.2208	.4709	.6513
#1	.0525	.0100	.0239	.0991	5.037	5.136	.0155	.1014	5.103
#2	.0525	.0100	.0236	.1002	5.060	5.071	.0155	.1021	5.057

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0406**	**.0047**	**.0007**	**.0006**	**-.0025**	**.0065**	**.0110**	**.0170**	**.0997**
Stddev	.0002	.0003	.0007	.0016	.0003	.0001	.0004	.0004	.0002
%RSD	.5087	5.437	97.33	257.5	12.04	1.502	3.582	2.448	.2094
#1	.0407	.0045	.0002	-.0005	-.0023	.0064	.0112	.0168	.0998
#2	.0405	.0049	.0012	.0018	-.0027	.0065	.0107	.0173	.0995

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0100**	**.0506**	**.0052**	**.0097**	**.0021**	**.0211**	**.0005**
Stddev	.0000	.0003	.0001	.0002	.0019	.0000	.0001
%RSD	.0974	.5498	1.118	1.965	91.21	.1101	23.98
#1	.0100	.0508	.0052	.0098	.0007	.0211	.0006
#2	.0100	.0504	.0053	.0095	.0034	.0211	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4196.6**	**109530.**	**8151.1**
Stddev	2.8	445.	8.4
%RSD	.06650	.40666	.10343
#1	4198.6	109210.	8157.0
#2	4194.6	109840.	8145.1

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/12/2013 12:39:32 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0005	540.8	-.0006	-.0054	.0008	-.0001	.0001	458.9	-.0001
Stddev	.0003	3.5	.0007	.0013	.0001	.0003	.0000	1.9	.0000
%RSD	69.08	.6506	131.8	23.96	14.98	238.1	40.88	.4118	38.02
#1	.0002	538.3	.0000	-.0045	.0007	-.0004	.0001	460.2	.0000
#2	.0007	543.3	-.0011	-.0063	.0009	.0001	.0001	457.6	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0001	-.0001	.0014	190.6	.0869	511.6	-.0004	-.0023	.0168
Stddev	.0002	.0001	.0002	1.3	.0334	3.9	.0000	.0001	.0105
%RSD	371.8	110.6	11.15	.6877	38.47	.7615	4.582	5.329	62.09
#1	.0001	-.0002	.0013	189.7	.0633	508.8	-.0004	-.0022	.0242
#2	-.0002	.0000	.0015	191.6	.1105	514.3	-.0005	-.0024	.0094

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0023	.0009	-.0041	-.0025	.0980	-.0002	.0010	.0346	-.0025
Stddev	.0001	.0010	.0023	.0029	.0003	.0004	.0003	.0000	.0001
%RSD	2.693	115.7	56.14	113.6	.3045	177.7	35.27	.0229	5.307
#1	-.0024	.0002	-.0057	-.0005	.0982	.0001	.0012	.0346	-.0025
#2	-.0023	.0016	-.0025	-.0045	.0978	-.0005	.0007	.0346	-.0024

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0078	.0055	-.0002	-.0004	-.0081	.0008	.0022
Stddev	.0000	.0002	.0001	.0001	.0004	.0000	.0005
%RSD	.5781	2.893	38.43	24.29	4.690	5.220	22.05
#1	-.0079	.0054	-.0003	-.0003	-.0078	.0008	.0025
#2	-.0078	.0056	-.0002	-.0004	-.0084	.0007	.0018

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3854.5	102820.	8013.1
Stddev	6.4	572.	1.8
%RSD	.16493	.55638	.02243
#1	3859.0	102410.	8014.4
#2	3850.0	103220.	8011.8

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/12/2013 12:44:25 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	1.042	540.4	2.113	.4791	.9683	.4992	.4617	458.4	1.024
Stddev	.003	2.2	.003	.0016	.0014	.0008	.0030	4.1	.001
%RSD	.3189	.4122	.1222	.3328	.1493	.1505	.6475	.9032	.0992
#1	1.040	541.9	2.111	.4779	.9673	.4997	.4638	461.3	1.024
#2	1.045	538.8	2.115	.4802	.9693	.4986	.4595	455.5	1.025

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.4677	.4643	.4776	191.3	.0933	509.8	.4699	.9508	.0289
Stddev	.0007	.0057	.0008	1.6	.0032	2.9	.0057	.0031	.0067
%RSD	.1391	1.224	.1582	.8328	3.412	.5732	1.223	.3221	23.34
#1	.4672	.4603	.4781	192.4	.0956	511.9	.4658	.9486	.0241
#2	.4681	.4683	.4771	190.1	.0911	507.8	.4739	.9529	.0337

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.8416	.8629	.5040	.4845	.5804	2.042	2.022	7.520	.9301
Stddev	.0004	.0027	.0017	.0048	.0043	.000	.001	.007	.0008
%RSD	.0506	.3110	.3429	.9827	.7451	.0167	.0313	.0917	.0914
#1	.8413	.8610	.5052	.4811	.5773	2.042	2.023	7.516	.9295
#2	.8419	.8648	.5028	.4879	.5834	2.041	2.022	7.525	.9307

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.9774	.4815	1.789	.4780	1.962	.9093	.3776
Stddev	.0036	.0038	.001	.0042	.020	.0001	.0064
%RSD	.3662	.7839	.0301	.8864	1.014	.0099	1.698
#1	.9799	.4789	1.788	.4750	1.948	.9092	.3731
#2	.9748	.4842	1.789	.4810	1.976	.9093	.3822

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3797.0	101630.	7959.8
Stddev	1.4	869.	17.6
%RSD	.03710	.85508	.22111
#1	3798.0	102240.	7947.4
#2	3796.0	101010.	7972.3

Zoom In Zoom Out

Sample Name: MP22226-B1 Acquired: 12/12/2013 12:49:13 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2088	2.199	.5472	.0003	.0020	2.006	.5075	24.66	.5329
Stddev	.0004	.013	.0013	.0003	.0000	.003	.0005	.05	.0012
%RSD	.2102	.5962	.2389	109.5	.8537	.1503	.0945	.2153	.2250
#1	.2091	2.189	.5482	.0005	.0020	2.004	.5079	24.70	.5338
#2	.2085	2.208	.5463	.0001	.0020	2.009	.5072	24.62	.5321

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5312	.5272	.4795	2.149	24.97	25.42	.5124	.0020	25.30
Stddev	.0004	.0038	.0001	.013	.06	.10	.0031	.0006	.01
%RSD	.0724	.7274	.0108	.6157	.2445	.3771	.6015	30.77	.0497
#1	.5315	.5299	.4795	2.159	25.01	25.49	.5146	.0024	25.29
#2	.5309	.5245	.4794	2.140	24.92	25.36	.5102	.0016	25.31

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4943	1.005	-.0001	-.0006	-.0013	.5308	.5353	.0129	-.0014
Stddev	.0004	.001	.0006	.0015	.0016	.0019	.0006	.0003	.0001
%RSD	.0888	.0757	435.1	254.6	117.8	.3540	.1034	2.552	6.512
#1	.4940	1.004	-.0006	.0005	-.0002	.5322	.5349	.0127	-.0014
#2	.4946	1.005	.0003	-.0016	-.0024	.5295	.5356	.0132	-.0013

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4997	.5041	.5180	.5352	.0142	.5364	.0520
Stddev	.0005	.0038	.0006	.0052	.0007	.0010	.0062
%RSD	.1039	.7457	.1099	.9693	4.683	.1881	11.95
#1	.5001	.5068	.5184	.5388	.0137	.5371	.0564
#2	.4993	.5015	.5176	.5315	.0146	.5356	.0476

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4084.2	108360.	8173.6
Stddev	8.0	840.	40.8
%RSD	.19529	.77510	.49883
#1	4078.5	107760.	8144.8
#2	4089.8	108950.	8202.5

Zoom In Zoom Out

Sample Name: MP22226-MB1 Acquired: 12/12/2013 12:53:59 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0001	.0180	-.0007	.0000	.0005	.0001	.0000	.0098	.0001
Stddev	.0005	.0115	.0003	.001	.0000	.0000	.000	.0016	.0000
%RSD	468.5	63.79	38.41	1405.	6.932	26.62	1769.	16.09	29.94
#1	.0004	.0261	-.0009	.0003	.0005	.0001	.0000	.0087	.0001
#2	-.0002	.0099	-.0005	-.0004	.0005	.0001	.0000	.0109	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0002	.0000	.0001	.0057	.0468	.0018	.0003	.0006	.0128
Stddev	.0001	.000	.0001	.0037	.0262	.0030	.0000	.0000	.0086
%RSD	29.35	1829.	115.2	65.02	56.04	165.4	5.598	.3977	66.99
#1	-.0002	.0002	.0001	.0084	.0283	-.0003	.0003	.0006	.0189
#2	-.0002	-.0002	.0000	.0031	.0654	.0039	.0003	.0006	.0067

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0001	-.0007	.0004	.0061	.0010	.0004	.0006	.0159	.0002
Stddev	.0000	.0001	.0015	.0021	.0005	.0006	.0006	.0001	.0001
%RSD	27.73	17.70	368.1	33.76	52.20	136.3	105.9	.4426	58.63
#1	-.0001	-.0007	.0015	.0046	.0014	.0008	.0001	.0160	.0003
#2	-.0002	-.0008	-.0006	.0076	.0006	.0000	.0010	.0159	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0001	-.0001	.0001	-.0007	.0036	.0008	-.0004
Stddev	.0000	.0001	.0004	.0003	.0009	.0000	.0006
%RSD	30.26	81.99	470.0	35.02	24.77	.0711	151.3
#1	-.0001	.0000	.0004	-.0009	.0043	.0008	.0000
#2	.0000	-.0001	-.0002	-.0006	.0030	.0008	-.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4114.6	110060.	8298.6
Stddev	26.0	405.	11.2
%RSD	.63096	.36816	.13545
#1	4133.0	109780.	8306.6
#2	4096.3	110350.	8290.7

Zoom In Zoom Out

Sample Name: MP22226-S1 Acquired: 12/12/2013 12:58:55 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2158	2.359	.5608	-.0004	.4760	2.025	.5061	70.25	.5467
Stddev	.0011	.006	.0013	.0008	.0004	.009	.0036	.15	.0000
%RSD	.5113	.2551	.2363	193.8	.0792	.4498	.7170	.2092	.0018
#1	.2166	2.363	.5618	-.0010	.4762	2.018	.5087	70.36	.5467
#2	.2151	2.354	.5599	.0002	.4757	2.031	.5036	70.15	.5467

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5288	.5277	.4859	2.829	51.37	55.21	.5269	.0018	F 269.4
Stddev	.0012	.0017	.0041	.025	.21	.77	.0016	.0001	2.4
%RSD	.2271	.3303	.8377	.8752	.4107	1.403	.3103	4.706	.8898
#1	.5280	.5290	.4888	2.847	51.22	55.75	.5281	.0018	267.7
#2	.5297	.5265	.4830	2.812	51.51	54.66	.5258	.0017	271.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4870	.9855	-.0030	-.0015	3.039	.5389	.2885	14.60	-.0017
Stddev	.0002	.0022	.0005	.0008	.008	.0000	.0014	.01	.0001
%RSD	.0340	.2216	17.62	54.80	.2572	.0044	.4771	.0823	4.315
#1	.4869	.9839	-.0026	-.0021	3.045	.5390	.2895	14.61	-.0017
#2	.4871	.9870	-.0034	-.0009	3.034	.5389	.2875	14.60	-.0016

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.8181	.5141	.4996	.5405	-.0003	.5366	-.0706
Stddev	.0040	.0026	.0017	.0030	.0010	.0021	.0004
%RSD	.4836	.5036	.3476	.5610	355.4	.3895	.5659
#1	.8209	.5159	.4983	.5426	-.0010	.5351	-.0703
#2	.8153	.5123	.5008	.5383	.0004	.5381	-.0709

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3930.4	104560.	8104.5
Stddev	5.1	335.	73.6
%RSD	.13027	.32059	.90823
#1	3926.8	104320.	8156.5
#2	3934.1	104790.	8052.5

Zoom In Zoom Out

Sample Name: MP22226-S2 Acquired: 12/12/2013 13:03:46 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2191	2.415	.5691	-.0004	.4788	2.065	.5128	70.73	.5520
Stddev	.0216	.026	.0003	.0000	.0027	.019	.0027	.59	.0041
%RSD	9.854	1.096	.0483	10.31	.5703	.9086	.5355	.8379	.7518
#1	.2344	2.434	.5689	-.0004	.4768	2.079	.5147	71.15	.5490
#2	.2038	2.396	.5693	-.0004	.4807	2.052	.5108	70.31	.5549

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5344	.5464	.5021	2.887	51.86	55.64	.5446	.0017	F 269.2
Stddev	.0040	.0584	.0556	.039	.52	.56	.0566	.0001	2.2
%RSD	.7487	10.69	11.07	1.356	1.001	1.003	10.40	6.606	.8130
#1	.5316	.5877	.5414	2.915	52.23	56.03	.5846	.0018	270.7
#2	.5372	.5051	.4628	2.859	51.49	55.25	.5046	.0016	267.6

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4937	.9999	-.0013	.0013	3.066	.5472	.2965	14.67	-.0014
Stddev	.0025	.0081	.0002	.0005	.027	.0046	.0021	.09	.0000
%RSD	.5072	.8128	15.61	40.17	.8947	.8466	.7241	.5966	1.095
#1	.4919	.9942	-.0015	.0017	3.046	.5439	.2950	14.61	-.0014
#2	.4955	1.006	-.0012	.0009	3.085	.5505	.2980	14.74	-.0014

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.8255	.5333	.5079	.5591	.0016	.5416	-.0758
Stddev	.0053	.0558	.0013	.0597	.0029	.0041	.0041
%RSD	.6367	10.47	.2618	10.68	181.1	.7551	5.440
#1	.8293	.5728	.5070	.6013	-.0005	.5387	-.0729
#2	.8218	.4938	.5089	.5169	.0037	.5445	-.0787

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3887.2	102460.	8078.0
Stddev	17.4	9000.	55.3
%RSD	.44854	8.7837	.68485
#1	3899.6	96096.	8038.9
#2	3874.9	108820.	8117.2

Zoom In Zoom Out

Sample Name: MP22226-SD1 Acquired: 12/12/2013 13:08:37 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0006	.1891	.0034	-.0058	.4727	.0108	.0001	45.59	.0008
Stddev	.0001	.0646	.0020	.0006	.0015	.0002	.0005	.01	.0001
%RSD	19.88	34.17	56.95	9.636	.3104	1.448	441.1	.0321	15.30
#1	.0005	.1434	.0021	-.0062	.4737	.0109	-.0002	45.60	.0007
#2	.0007	.2348	.0048	-.0054	.4716	.0107	.0004	45.57	.0008

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0003	-.0004	-.0020	.6956	26.01	29.01	.0153	.0026	249.5
Stddev	.0003	.0007	.0012	.0223	.06	.39	.0003	.0003	1.0
%RSD	97.43	185.1	61.63	3.208	.2485	1.330	2.190	10.77	.3816
#1	.0001	-.0009	-.0011	.7114	25.97	29.29	.0151	.0028	250.2
#2	.0005	.0001	-.0029	.6798	26.06	28.74	.0156	.0024	248.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0004	-.0030	.0018	.0056	3.571	.0019	.0040	14.06	-.0002
Stddev	.0006	.0008	.0019	.0077	.007	.0025	.0015	.01	.0013
%RSD	149.8	27.79	107.3	138.5	.2010	132.0	38.67	.0529	584.4
#1	.0009	-.0024	.0032	.0110	3.566	.0001	.0051	14.06	.0007
#2	.0000	-.0036	.0004	.0001	3.576	.0036	.0029	14.05	-.0012

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.3133	.0082	-.0005	.0055	.0036	.0028	-.0760
Stddev	.0008	.0005	.0022	.0003	.0086	.0003	.0004
%RSD	.2645	5.694	470.3	5.686	236.2	12.21	.5318
#1	.3138	.0085	.0011	.0053	-.0024	.0025	-.0763
#2	.3127	.0079	-.0020	.0057	.0097	.0030	-.0757

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4122.2	108790.	8192.3
Stddev	5.5	215.	66.1
%RSD	.13420	.19755	.80650
#1	4126.1	108640.	8145.6
#2	4118.3	108940.	8239.0

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 13:13:33 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2497	10.05	1.968	-.0007	1.968	1.928	1.961	10.06	2.030
Stddev	.0007	.04	.001	.0000	.001	.005	.000	.03	.001
%RSD	.2867	.3833	.0727	4.111	.0255	.2628	.0068	.2561	.0291
#1	.2502	10.02	1.967	-.0007	1.968	1.924	1.961	10.04	2.030
#2	.2492	10.08	1.969	-.0008	1.967	1.931	1.961	10.08	2.030

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	2.087	1.979	1.884	10.22	10.03	10.09	1.985	2.003	10.13
Stddev	.000	.002	.004	.02	.06	.02	.002	.004	.02
%RSD	.0139	.1099	.2211	.1792	.6285	.2000	.1167	.1742	.1899
#1	2.087	1.978	1.881	10.21	10.07	10.07	1.983	2.001	10.11
#2	2.088	1.981	1.887	10.23	9.982	10.10	1.986	2.006	10.14

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	1.939	1.943	.0019	-.0090	-.0018	1.996	2.012	-.0085	1.982
Stddev	.001	.000	.0012	.0013	.0011	.002	.000	.0001	.001
%RSD	.0235	.0036	62.30	14.80	61.44	.0858	.0042	.7361	.0334
#1	1.939	1.943	.0027	-.0081	-.0026	1.997	2.013	-.0085	1.982
#2	1.939	1.943	.0011	-.0099	-.0010	1.995	2.012	-.0086	1.981

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.976	1.965	1.958	1.965	-.0030	2.008	.0063
Stddev	.002	.000	.001	.004	.0037	.001	.0012
%RSD	.0837	.0148	.0529	.1802	121.3	.0678	19.22
#1	1.975	1.965	1.959	1.963	-.0004	2.007	.0071
#2	1.978	1.966	1.957	1.968	-.0056	2.009	.0054

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4150.7	109810.	8212.4
Stddev	3.5	23.	76.1
%RSD	.08398	.02079	.92655
#1	4153.1	109800.	8266.2
#2	4148.2	109830.	8158.6

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 13:18:24 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.0121**	**-.0004**	**-.0001**	**.0011**	**.0000**	**.0000**	**.0014**	**.0002**
Stddev	.0001	.0068	.0001	.0007	.0003	.0001	.0000	.0009	.0001
%RSD	61.97	56.19	39.68	533.6	26.08	227.0	134.5	61.51	59.18
#1	.0000	.0169	-.0005	.0004	.0013	.0001	.0000	.0008	.0001
#2	-.0001	.0073	-.0003	-.0006	.0009	.0000	.0000	.0020	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**-.0004**	**-.0003**	**.0005**	**.1020**	**.0211**	**.0000**	**.0029**	**.0611**
Stddev	.0002	.0004	.0004	.0016	.0097	.0072	.000	.0006	.0092
%RSD	137.1	93.58	106.1	323.7	9.510	34.04	57.09	20.57	15.14
#1	.0000	-.0001	-.0006	-.0007	.0952	.0160	.0000	.0033	.0676
#2	.0003	-.0007	-.0001	.0017	.1089	.0262	.0000	.0025	.0545

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0002**	**.0005**	**-.0007**	**.0008**	**-.0012**	**.0008**	**.0011**	**-.0009**	**.0003**
Stddev	.0001	.0007	.0008	.0001	.0006	.0003	.0002	.0004	.0001
%RSD	74.70	137.7	117.0	15.10	49.52	41.09	14.80	37.98	20.23
#1	.0001	.0010	-.0013	.0007	-.0016	.0010	.0012	-.0012	.0004
#2	.0003	.0000	-.0001	.0009	-.0008	.0006	.0010	-.0007	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0003**	**.0012**	**-.0004**	**-.0010**	**.0002**	**.0001**
Stddev	.0001	.0001	.0001	.0000	.0023	.0002	.0004
%RSD	729.4	18.24	7.431	.6323	236.3	95.07	404.9
#1	-.0001	.0003	.0011	-.0004	-.0025	.0001	.0004
#2	.0001	.0004	.0012	-.0004	.0006	.0004	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4154.6**	**109560.**	**8194.0**
Stddev	11.8	333.	16.1
%RSD	.28392	.30353	.19693
#1	4146.3	109320.	8182.6
#2	4162.9	109790.	8205.4

Zoom In Zoom Out

Sample Name: JB53625-10 Acquired: 12/12/2013 13:23:20 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0008**	**.1572**	**.0048**	**-.0014**	**.4645**	**.0092**	**.0000**	**44.02**	**.0003**
Stddev	.0001	.0043	.0006	.0004	.0027	.0004	.0001	.11	.0001
%RSD	10.14	2.709	11.61	31.23	.5895	4.292	297.6	.2485	28.85
#1	.0008	.1602	.0044	-.0017	.4625	.0089	.0000	44.09	.0002
#2	.0009	.1542	.0051	-.0011	.4664	.0094	.0001	43.94	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**.0017**	**-.0001**	**.6882**	**24.78**	**28.53**	**.0150**	**.0023**	F **237.3**
Stddev	.0001	.0000	.0002	.0038	.00	.07	.0001	.0001	1.1
%RSD	42.44	1.552	326.8	.5562	.0092	.2527	.7985	4.766	.4575
#1	-.0003	.0017	.0001	.6909	24.78	28.58	.0151	.0023	238.1
#2	-.0001	.0017	-.0002	.6855	24.78	28.47	.0150	.0022	236.6

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**-.0004**	**-.0032**	**-.0005**	**3.376**	**.0006**	**.0018**	**14.04**	**.0002**
Stddev	.0001	.0002	.0007	.0002	.013	.0001	.0003	.08	.0001
%RSD	91.34	41.71	22.67	39.09	.3742	25.59	18.56	.5476	69.83
#1	.0002	-.0006	-.0027	-.0004	3.367	.0007	.0020	13.99	.0003
#2	.0000	-.0003	-.0037	-.0007	3.385	.0005	.0015	14.10	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3073**	**.0079**	**-.0003**	**.0045**	**.0004**	**.0016**	**-.0768**
Stddev	.0004	.0001	.0001	.0004	.0000	.0001	.0006
%RSD	.1429	1.684	37.66	8.062	8.317	3.814	.7838
#1	.3076	.0080	-.0003	.0043	.0004	.0017	-.0763
#2	.3070	.0078	-.0004	.0048	.0003	.0016	-.0772

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3971.0**	**105980.**	**8169.4**
Stddev	16.9	253.	5.2
%RSD	.42458	.23909	.06330
#1	3982.9	105800.	8165.7
#2	3959.1	106160.	8173.0

Zoom In Zoom Out

Sample Name: JB53625-11 Acquired: 12/12/2013 13:28:18 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0005**	**.0695**	**.0023**	**-.0009**	**.9317**	**.0113**	**.0000**	**65.34**	**.0003**
Stddev	.0002	.0068	.0004	.0010	.0026	.0002	.0000	.02	.0001
%RSD	50.71	9.819	17.89	116.1	.2742	2.149	202.0	.0256	33.97
#1	.0003	.0744	.0026	-.0002	.9299	.0111	.0000	65.35	.0004
#2	.0006	.0647	.0020	-.0016	.9335	.0114	.0000	65.33	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0028**	**-.0005**	**.0660**	**49.89**	**82.24**	**.0078**	**.0012**	F **726.4**
Stddev	.0000	.0001	.0002	.0035	.06	.24	.0000	.0001	11.0
%RSD	17.56	4.060	43.63	5.375	.1227	.2891	.3322	4.892	1.514
#1	.0001	.0027	-.0006	.0685	49.85	82.41	.0078	.0012	718.6
#2	.0001	.0028	-.0003	.0635	49.94	82.07	.0078	.0013	734.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0000**	**-.0015**	**-.0038**	**.0015**	**12.72**	**-.0003**	**.0019**	**19.14**	**.0000**
Stddev	.0001	.0001	.0007	.0039	.02	.0001	.0005	.06	.0002
%RSD	439.7	3.800	17.68	257.5	.1537	21.86	24.91	.3162	708.2
#1	.0000	-.0015	-.0033	.0043	12.71	-.0003	.0022	19.10	.0002
#2	.0001	-.0016	-.0043	-.0012	12.74	-.0002	.0015	19.18	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.6081**	**.0086**	**-.0001**	**.0050**	**.0004**	**-.0013**	**-.1021**
Stddev	.0008	.0000	.0003	.0001	.0040	.0000	.0004
%RSD	.1268	.0936	287.2	1.594	937.2	.7496	.3574
#1	.6087	.0086	-.0003	.0050	.0032	-.0013	-.1019
#2	.6076	.0086	.0001	.0051	-.0024	-.0014	-.1024

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3814.6**	**99321.**	**8044.1**
Stddev	.3	133.	9.6
%RSD	.00912	.13345	.11983
#1	3814.8	99227.	8037.3
#2	3814.4	99415.	8050.9

Zoom In Zoom Out

Sample Name: JB53625-12 Acquired: 12/12/2013 13:33:17 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.0763**	**.0005**	**-.0027**	**.4009**	**.0440**	**.0000**	**78.97**	**.0004**
Stddev	.0002	.0229	.0006	.0022	.0011	.0002	.000	.53	.0000
%RSD	55.90	30.05	130.2	82.98	.2715	.3817	504.7	.6730	8.692
#1	.0006	.0601	.0000	-.0042	.4017	.0439	-.0001	78.60	.0003
#2	.0003	.0925	.0009	-.0011	.4001	.0442	.0000	79.35	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0028**	**.0002**	**8.181**	**31.50**	**48.99**	**.1628**	**.0003**	F **824.9**
Stddev	.0000	.0001	.0000	.064	.11	.34	.0004	.0001	9.7
%RSD	18.01	4.257	12.93	.7781	.3635	.7030	.2387	28.97	1.175
#1	.0001	.0029	.0002	8.136	31.42	48.75	.1626	.0002	831.7
#2	.0001	.0027	.0001	8.226	31.58	49.24	.1631	.0003	818.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0007**	**-.0010**	**-.0030**	**.0025**	**7.689**	**.0001**	**.0018**	**16.09**	**.0002**
Stddev	.0001	.0006	.0003	.0012	.010	.0007	.0003	.03	.0001
%RSD	17.75	56.68	11.34	47.29	.1270	531.1	18.55	.1764	28.80
#1	.0007	-.0006	-.0028	.0017	7.682	-.0004	.0016	16.11	.0002
#2	.0006	-.0014	-.0033	.0034	7.695	.0007	.0021	16.07	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.7871**	**.0068**	**-.0001**	**.0026**	**.0026**	**-.0013**	**-.0867**
Stddev	.0044	.0002	.0005	.0003	.0024	.0000	.0004
%RSD	.5566	2.475	460.0	10.81	92.55	2.823	.4798
#1	.7840	.0069	.0003	.0028	.0009	-.0013	-.0870
#2	.7902	.0067	-.0005	.0024	.0043	-.0013	-.0864

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3821.3**	**100010.**	**8063.8**
Stddev	8.4	422.	28.9
%RSD	.21948	.42179	.35821
#1	3815.4	99713.	8084.2
#2	3827.2	100310.	8043.4

Zoom In Zoom Out

Sample Name: JB53625-13 Acquired: 12/12/2013 13:38:14 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0006**	**.1192**	**-.0002**	**.0033**	**.1357**	**.0299**	**.0000**	**34.94**	**.0004**
Stddev	.0009	.0089	.0007	.0060	.0001	.0002	.0000	.04	.0002
%RSD	156.4	7.437	303.6	181.4	.0797	.7295	138.7	.1134	61.58
#1	.0001	.1254	.0003	-.0009	.1357	.0300	.0000	34.96	.0002
#2	-.0012	.1129	-.0007	.0075	.1356	.0297	.0000	34.91	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0006**	**.0149**	**.0006**	**13.24**	**17.53**	**16.58**	**.2423**	**.0007**	F **442.6**
Stddev	.0006	.0029	.0005	.05	.10	.05	.0495	.0001	1.7
%RSD	100.3	19.36	76.38	.4149	.5456	.2755	20.44	16.52	.3753
#1	.0002	.0128	.0010	13.21	17.60	16.55	.2073	.0007	443.8
#2	.0010	.0169	.0003	13.28	17.47	16.61	.2773	.0008	441.4

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0060**	**-.0004**	**-.0035**	**-.0004**	**10.82**	**.0013**	**.0000**	**11.37**	**.0002**
Stddev	.0003	.0009	.0049	.0009	.04	.0003	.003	.04	.0001
%RSD	4.604	242.8	141.0	227.4	.3788	26.02	7632.	.3181	41.68
#1	.0058	-.0010	.0000	.0002	10.84	.0010	.0021	11.40	.0002
#2	.0062	.0003	-.0069	-.0010	10.79	.0015	-.0021	11.35	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3824**	**.0124**	**-.0009**	**.0040**	**.0054**	**.0008**	**-.0242**
Stddev	.0006	.0025	.0008	.0015	.0006	.0012	.0528
%RSD	.1697	20.43	84.22	37.17	10.84	153.8	218.0
#1	.3820	.0106	-.0004	.0030	.0058	-.0001	-.0615
#2	.3829	.0142	-.0014	.0051	.0050	.0016	.0131

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3978.8**	*****	**8301.0**
Stddev	13.7	-----	59.0
%RSD	.34428	-----	.71073
#1	3969.1	105650.	8259.3
#2	3988.4	-----	8342.7

Zoom In Zoom Out

Sample Name: MC26923-8 Acquired: 12/12/2013 13:43:58 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2082**	**946.3**	**.4804**	**-.0515**	**.2533**	**31.22**	**.0367**	**863.5**	**-.0090**
Stddev	.0047	10.3	.0025	.0229	.0013	.39	.0001	7.1	.0011
%RSD	2.257	1.084	.5189	44.48	.5269	1.254	.1727	.8273	12.25
#1	.2115	939.1	.4821	-.0353	.2543	30.95	.0367	858.4	-.0082
#2	.2049	953.6	.4786	-.0677	.2524	31.50	.0367	868.5	-.0098

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.039**	**2.190**	**1.231**	F **1915.**	**108.6**	**394.3**	**38.34**	**.5688**	**58.21**
Stddev	.018	.024	.009	13.	.9	1.5	.31	.0036	.59
%RSD	.8735	1.115	.7618	.6822	.8470	.3918	.8090	.6354	1.022
#1	2.051	2.207	1.238	1905.	108.0	393.2	38.56	.5713	57.78
#2	2.026	2.173	1.224	1924.	109.3	395.4	38.12	.5662	58.63

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**2.286**	**.4645**	**.1204**	**-.2243**	**87.55**	**.0263**	**-.0013**	**220.9**	**.0237**
Stddev	.022	.0063	.0100	.0050	.69	.0012	.0133	4.8	.0018
%RSD	.9500	1.362	8.266	2.211	.7881	4.618	1038.	2.190	7.687
#1	2.301	.4690	.1134	-.2278	88.04	.0271	-.0107	217.5	.0250
#2	2.270	.4601	.1275	-.2208	87.06	.0254	.0081	224.3	.0224

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**2.114**	**.7933**	**-.0169**	**1.199**	**1.211**	**4.304**	**-1.050**
Stddev	.025	.0023	.0041	.012	.001	.036	.030
%RSD	1.204	.2871	24.43	.9778	.0995	.8452	2.854
#1	2.096	.7917	-.0198	1.207	1.212	4.330	-1.028
#2	2.132	.7949	-.0140	1.190	1.210	4.279	-1.071

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4413.4**	**119510.**	**9181.2**
Stddev	29.7	953.	48.8
%RSD	.67247	.79750	.53126
#1	4392.4	118840.	9146.7
#2	4434.3	120190.	9215.7

Zoom In Zoom Out

Sample Name: MC26923-8 Acquired: 12/12/2013 13:49:15 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 20.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 20X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2208**	**1007.**	**.5173**	**-.0528**	**.2888**	**33.68**	**.0401**	**951.9**	**-.0136**
Stddev	.0028	9.	.0065	.0256	.0087	.04	.0007	10.1	.0021
%RSD	1.251	.8877	1.253	48.42	2.998	.1082	1.684	1.061	15.35
#1	.2189	1013.	.5127	-.0347	.2949	33.70	.0397	959.0	-.0150
#2	.2228	1000.	.5219	-.0709	.2827	33.65	.0406	944.8	-.0121

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.268**	**2.404**	**1.311**	**2172.**	**119.2**	**425.9**	**43.94**	**.6237**	**65.68**
Stddev	.020	.028	.017	27.	.5	5.3	.58	.0088	.56
%RSD	.8839	1.173	1.285	1.226	.4597	1.241	1.322	1.417	.8474
#1	2.254	2.384	1.299	2191.	119.6	429.6	43.53	.6174	66.07
#2	2.283	2.424	1.323	2153.	118.8	422.1	44.35	.6299	65.29

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**2.575**	**.5131**	**.1627**	**-.2044**	**96.02**	**.0319**	**.0528**	**251.4**	**.0241**
Stddev	.036	.0212	.0189	.0423	.80	.0119	.0487	3.4	.0044
%RSD	1.397	4.130	11.61	20.67	.8361	37.48	92.12	1.363	18.45
#1	2.549	.4981	.1760	-.2343	95.46	.0234	.0873	249.0	.0209
#2	2.600	.5280	.1493	-.1746	96.59	.0403	.0184	253.8	.0272

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**2.298**	**.8510**	**-.0177**	**1.298**	**1.334**	**4.905**	**-1.222**
Stddev	.001	.0141	.0061	.010	.002	.032	.010
%RSD	.0456	1.661	34.61	.7556	.1320	.6439	.8536
#1	2.299	.8410	-.0134	1.291	1.335	4.882	-1.215
#2	2.298	.8610	-.0221	1.305	1.333	4.927	-1.230

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4265.9**	**114870.**	**8600.8**
Stddev	26.1	921.	147.8
%RSD	.61279	.80220	1.7183
#1	4284.3	115520.	8496.3
#2	4247.4	114220.	8705.3

Zoom In Zoom Out

Sample Name: JB53079-1 Acquired: 12/12/2013 13:54:03 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.6322**	**.0062**	**.0013**	**1.624**	**.4289**	**.0000**	**118.6**	**.0007**
Stddev	.0006	.0152	.0024	.0003	.006	.0064	.000	2.3	.0005
%RSD	139.0	2.410	38.21	20.20	.3730	1.483	464.9	1.940	72.69
#1	.0000	.6430	.0078	.0015	1.628	.4334	.0000	120.2	.0010
#2	.0009	.6214	.0045	.0011	1.619	.4244	-.0001	116.9	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0050**	**-.0003**	**.0035**	**1.840**	**10.52**	**31.99**	**3.467**	**.0029**	**326.4**
Stddev	.0006	.0007	.0004	.048	.30	.49	.012	.0003	5.7
%RSD	11.81	246.1	11.64	2.602	2.818	1.516	.3375	11.50	1.750
#1	.0046	-.0008	.0032	1.874	10.73	32.33	3.475	.0027	330.5
#2	.0054	.0002	.0038	1.806	10.31	31.65	3.459	.0032	322.4

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0065**	**-.0026**	**-.0062**	**-.0001**	**7.816**	**.0019**	**.0076**	**15.62**	**-.0003**
Stddev	.0004	.0016	.0030	.0041	.021	.0000	.0042	.24	.0010
%RSD	5.516	59.38	48.08	3083.	.2704	2.473	55.88	1.504	371.2
#1	.0062	-.0015	-.0041	.0027	7.831	.0019	.0106	15.79	-.0010
#2	.0067	-.0037	-.0083	-.0030	7.801	.0019	.0046	15.46	.0005

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3681**	**.0206**	**-.0004**	**-.0011**	**.0055**	**.0044**	**-.0847**
Stddev	.0070	.0015	.0006	.0002	.0007	.0003	.0024
%RSD	1.890	7.458	150.0	15.47	13.12	5.988	2.876
#1	.3730	.0217	-.0009	-.0012	.0050	.0042	-.0865
#2	.3632	.0196	.0000	-.0009	.0060	.0046	-.0830

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4078.4**	**107790.**	**8134.0**
Stddev	12.5	107.	134.0
%RSD	.30770	.09924	1.6471
#1	4069.6	107710.	8039.3
#2	4087.3	107860.	8228.8

Zoom In Zoom Out

Sample Name: JB53304-7 Acquired: 12/12/2013 13:58:56 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0004	1.939	.0913	.0012	1.116	.0181	-.0001	16.60	.0009
Stddev	.0020	.038	.0003	.0034	.005	.0001	.0001	.16	.0003
%RSD	529.4	1.970	.3447	291.7	.4080	.6858	67.15	.9440	35.68
#1	-.0011	1.912	.0911	.0035	1.113	.0182	.0000	16.49	.0006
#2	.0018	1.966	.0915	-.0012	1.119	.0180	-.0001	16.71	.0011

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0019	.0037	.0059	2.370	7.193	3.668	.0259	.0958	259.3
Stddev	.0007	.0004	.0003	.038	.023	.097	.0001	.0002	.7
%RSD	34.59	10.99	4.452	1.588	.3218	2.636	.3146	.2044	.2824
#1	.0024	.0034	.0057	2.344	7.210	3.599	.0258	.0959	258.8
#2	.0015	.0040	.0061	2.397	7.177	3.736	.0260	.0956	259.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0052	-.0007	.0039	.0060	F 130.6	.0035	.0058	13.85	.0016
Stddev	.0000	.0003	.0006	.0138	.2	.0003	.0001	.03	.0008
%RSD	.6428	46.10	15.24	230.2	.1411	7.288	2.137	.2273	54.04
#1	.0052	-.0009	.0043	.0158	130.5	.0033	.0057	13.87	.0010
#2	.0052	-.0005	.0035	-.0038	130.7	.0037	.0059	13.83	.0022

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0849	.0402	-.0005	.0588	.0228	.0053	-.0753
Stddev	.0004	.0008	.0030	.0006	.0091	.0003	.0002
%RSD	.5239	1.910	550.8	1.018	40.04	5.980	.2960
#1	.0846	.0396	-.0027	.0584	.0293	.0055	-.0754
#2	.0852	.0407	.0016	.0593	.0163	.0051	-.0751

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4122.7	109340.	8291.8
Stddev	4.8	692.	47.7
%RSD	.11742	.63269	.57494
#1	4126.1	108850.	8325.5
#2	4119.2	109830.	8258.0

Zoom In Zoom Out

Sample Name: JB53441-5 Acquired: 12/12/2013 14:03:50 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 50X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0058	.0994	-.0063	.0531	1.942	.0192	.0022	73.84	.0014
Stddev	.0105	.6542	.0088	.0282	.010	.0061	.0052	6.89	.0060
%RSD	181.1	657.8	138.4	53.05	.5327	31.86	237.4	9.331	424.0
#1	-.0016	-.3631	-.0001	.0730	1.935	.0235	-.0015	78.71	.0056
#2	.0132	.5620	-.0125	.0332	1.950	.0149	.0058	68.97	-.0028

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0011	-.0166	-.0070	5.742	80.60	155.2	.2217	.0088	2304.
Stddev	.0013	.0146	.0085	.556	7.59	13.8	.0007	.0015	212.
%RSD	115.1	87.95	121.1	9.685	9.413	8.918	.3048	17.04	9.209
#1	-.0020	-.0063	-.0010	6.135	85.96	165.0	.2222	.0099	2454.
#2	-.0002	-.0269	-.0130	5.348	75.23	145.4	.2212	.0078	2154.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0060	.0128	-.0132	-.0453	100.4	.0422	.0359	17.94	.0130
Stddev	.0140	.0306	.0543	.0990	.9	.0167	.0008	.10	.0013
%RSD	233.4	238.9	410.6	218.3	.8924	39.52	2.093	.5413	9.760
#1	.0158	.0344	.0252	-.1153	99.73	.0304	.0354	17.87	.0121
#2	-.0039	-.0088	-.0516	.0246	101.0	.0540	.0364	18.01	.0139

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.9609	.0085	-.0033	-.0168	.1923	.0089	-.1000
Stddev	.1051	.0029	.0101	.0092	.0534	.0003	.0261
%RSD	10.94	33.80	307.8	54.84	27.75	2.820	26.12
#1	1.035	.0105	.0038	-.0233	.1546	.0088	-.1185
#2	.8866	.0064	-.0104	-.0103	.2301	.0091	-.0816

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4132.0	109610.	8763.5
Stddev	31.5	619.	689.5
%RSD	.76337	.56506	7.8678
#1	4154.3	110050.	8276.0
#2	4109.7	109170.	9251.0

Zoom In Zoom Out

Sample Name: JB53441-6 Acquired: 12/12/2013 14:08:45 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 50X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0111	.6321	-.0128	-.0397	1.821	.0413	-.0018	107.5	.0019
Stddev	.0014	.2275	.0275	.0205	.009	.0166	.0017	.8	.0032
%RSD	12.27	35.99	214.7	51.77	.4663	40.20	94.76	.6993	171.0
#1	.0101	.7930	-.0322	-.0252	1.815	.0531	-.0030	108.0	-.0004
#2	.0121	.4713	.0066	-.0542	1.827	.0296	-.0006	107.0	.0041

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0049	-.0170	-.0166	6.822	94.38	215.8	.3093	.0045	2765.
Stddev	.0037	.0140	.0060	.261	1.53	1.9	.0032	.0021	3.
%RSD	76.75	82.12	35.78	3.825	1.623	.8735	1.036	46.50	.1022
#1	-.0075	-.0071	-.0124	7.006	93.29	217.1	.3071	.0060	2767.
#2	-.0022	-.0269	-.0208	6.637	95.46	214.4	.3116	.0030	2763.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0111	-.0034	.0274	.2178	121.3	.0384	.0028	16.90	.0101
Stddev	.0007	.0318	.0002	.1203	.3	.0431	.0222	.07	.0033
%RSD	6.118	922.6	.8380	55.22	.2682	112.4	800.0	.4368	33.21
#1	.0115	-.0259	.0273	.3028	121.1	.0689	.0185	16.95	.0124
#2	.0106	.0190	.0276	.1327	121.5	.0079	-.0129	16.85	.0077

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.359	.0116	-.0067	-.0175	.0294	.0141	-.0689
Stddev	.010	.0125	.0025	.0359	.0433	.0046	.0135
%RSD	.7359	108.4	36.67	205.5	147.5	32.25	19.63
#1	1.366	.0027	-.0050	.0079	.0600	.0174	-.0593
#2	1.352	.0205	-.0084	-.0429	-.0013	.0109	-.0784

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4164.7	109060.	8260.5
Stddev	12.7	288.	55.9
%RSD	.30570	.26392	.67692
#1	4173.7	108860.	8220.9
#2	4155.7	109260.	8300.0

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 14:13:40 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2492	10.04	1.955	-.0013	1.960	1.926	1.944	9.982	2.006
Stddev	.0011	.18	.004	.0005	.001	.025	.023	.140	.002
%RSD	.4321	1.760	.2195	37.88	.0313	1.298	1.172	1.402	.0809
#1	.2484	9.911	1.958	-.0010	1.959	1.908	1.927	9.883	2.005
#2	.2499	10.16	1.952	-.0017	1.960	1.943	1.960	10.08	2.007

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	2.065	1.971	1.890	10.07	10.04	9.909	1.987	1.980	10.16
Stddev	.002	.016	.006	.18	.12	.109	.014	.002	.14
%RSD	.1044	.8122	.2999	1.780	1.221	1.104	.6944	.1059	1.412
#1	2.067	1.959	1.886	9.939	9.949	9.832	1.978	1.979	10.06
#2	2.063	1.982	1.894	10.19	10.12	9.986	1.997	1.982	10.26

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	1.937	1.934	.0015	-.0082	-.0030	1.979	1.989	.1189	1.970
Stddev	.003	.001	.0005	.0000	.0004	.003	.001	.0098	.004
%RSD	.1335	.0238	33.07	.3392	13.27	.1595	.0307	8.201	.1792
#1	1.939	1.934	.0011	-.0083	-.0033	1.977	1.989	.1258	1.973
#2	1.936	1.934	.0018	-.0082	-.0027	1.982	1.988	.1120	1.968

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.979	1.968	1.948	1.965	-.0034	1.983	.0070
Stddev	.024	.015	.001	.015	.0009	.004	.0016
%RSD	1.201	.7584	.0578	.7483	25.35	.2085	23.13
#1	1.962	1.957	1.947	1.955	-.0040	1.985	.0082
#2	1.996	1.979	1.948	1.976	-.0028	1.980	.0059

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4200.0	110330.	8303.4
Stddev	5.0	286.	66.7
%RSD	.11815	.25888	.80324
#1	4196.5	110540.	8350.5
#2	4203.5	110130.	8256.2

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 14:18:25 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0002	.0050	.0002	-.0004	.0015	.0001	.0001	.0048	.0004
Stddev	.0002	.0028	.0002	.0005	.0002	.0001	.0000	.0022	.0001
%RSD	114.9	55.99	146.3	127.5	11.61	61.35	18.49	45.04	31.92
#1	.0003	.0030	.0003	.0000	.0014	.0002	.0001	.0033	.0003
#2	.0000	.0070	.0000	-.0008	.0017	.0001	.0001	.0063	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0003	-.0002	.0000	-.0007	.0767	.0191	.0001	.0031	.1827
Stddev	.0001	.0002	.000	.0012	.0197	.0224	.0001	.0007	.0109
%RSD	44.92	109.4	1828.	177.0	25.72	117.4	53.79	21.15	5.958
#1	.0002	.0000	-.0002	.0002	.0628	.0349	.0001	.0036	.1750
#2	.0003	-.0004	.0002	-.0015	.0907	.0032	.0002	.0026	.1904

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0004	.0002	.0001	.0026	.0004	.0013	.0025	.0347	.0008
Stddev	.0003	.0007	.0010	.0031	.0005	.0001	.0015	.0016	.0001
%RSD	82.61	387.6	1289.	119.6	111.3	6.484	57.82	4.616	12.13
#1	.0002	-.0003	-.0007	.0004	.0001	.0013	.0015	.0358	.0009
#2	.0006	.0007	.0008	.0047	.0008	.0014	.0036	.0336	.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0001	.0002	.0016	.0000	.0000	.0005	-.0004
Stddev	.0000	.0002	.0002	.000	.0014	.0001	.0002
%RSD	32.35	102.1	11.11	54.99	4867.	28.12	54.67
#1	.0002	.0001	.0015	.0000	-.0010	.0004	-.0003
#2	.0001	.0004	.0018	.0000	.0010	.0006	-.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4168.7	109850.	8248.5
Stddev	14.7	267.	52.3
%RSD	.35271	.24334	.63403
#1	4179.1	109660.	8211.5
#2	4158.3	110040.	8285.5

Zoom In Zoom Out

Sample Name: JB53441-10 Acquired: 12/12/2013 14:23:21 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0003	.0548	-.0006	.0000	.0018	.0005	.0000	.1160	.0001
Stddev	.0001	.0071	.0006	.0002	.0001	.0001	.000	.0111	.0000
%RSD	43.84	12.96	100.6	615.6	6.464	16.86	235.5	9.568	8.308
#1	.0004	.0498	-.0011	.0002	.0018	.0005	.0000	.1081	.0001
#2	.0002	.0598	-.0002	-.0001	.0017	.0006	-.0001	.1238	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0001	.0003	.0002	.0755	.1139	.0136	.0010	.0008	.4153
Stddev	.0001	.0002	.0001	.0041	.0133	.0097	.0000	.0002	.0411
%RSD	109.3	73.55	22.66	5.386	11.66	71.26	1.667	25.89	9.900
#1	-.0001	.0001	.0002	.0726	.1045	.0204	.0010	.0010	.3862
#2	.0000	.0004	.0003	.0784	.1233	.0067	.0010	.0007	.4444

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0003	-.0004	.0000	.0015	.0406	.0016	.0007	.1433	.0005
Stddev	.0000	.0002	.0015	.0020	.0006	.0005	.0005	.0022	.0002
%RSD	6.161	46.66	6283.	133.1	1.488	33.99	76.60	1.541	40.52
#1	.0003	-.0005	.0011	.0030	.0411	.0012	.0011	.1448	.0006
#2	.0003	-.0003	-.0010	.0001	.0402	.0020	.0003	.1417	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0006	.0017	-.0007	-.0001	.0045	.0025	-.0011
Stddev	.0000	.0003	.0001	.0001	.0019	.0000	.0001
%RSD	6.321	18.53	13.71	193.9	42.33	.0984	6.273
#1	.0006	.0019	-.0006	.0000	.0032	.0025	-.0010
#2	.0006	.0015	-.0007	-.0002	.0059	.0025	-.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4096.4	107880.	8659.6
Stddev	8.1	644.	569.0
%RSD	.19842	.59731	6.5705
#1	4090.7	107420.	9062.0
#2	4102.2	108330.	8257.3

Zoom In Zoom Out

Sample Name: JB53368-5 Acquired: 12/12/2013 14:28:18 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0016	.0243	-.0004	.0002	.0014	.0005	.0000	.0913	.0001
Stddev	.0001	.0014	.0001	.0007	.0000	.0001	.0001	.0015	.0000
%RSD	5.953	5.917	28.75	314.7	.3255	13.45	438.6	1.664	51.50
#1	.0015	.0233	-.0005	.0007	.0014	.0005	.0000	.0924	.0001
#2	.0017	.0254	-.0004	-.0003	.0014	.0004	.0001	.0903	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0001	.0003	.0008	.0370	.0919	.0507	.0008	.0004	.4480
Stddev	.0000	.0003	.0006	.0021	.0043	.0105	.0000	.0002	.0279
%RSD	19.80	78.90	81.56	5.654	4.645	20.74	2.162	39.12	6.222
#1	.0001	.0005	.0003	.0385	.0949	.0581	.0008	.0005	.4677
#2	.0001	.0001	.0012	.0355	.0889	.0433	.0008	.0003	.4283

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0005	-.0003	.0000	.0000	.0245	.0001	.0014	.0711	.0040
Stddev	.0001	.0001	.000	.0004	.0000	.0000	.0002	.0006	.0000
%RSD	14.90	48.06	614.6	5475.	.0730	14.28	12.01	.8375	.8122
#1	.0005	-.0004	.0002	.0003	.0244	.0001	.0015	.0706	.0040
#2	.0004	-.0002	-.0003	-.0003	.0245	.0001	.0013	.0715	.0040

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0005	.0008	.0008	.0001	.0010	.0071	-.0015
Stddev	.0001	.0000	.0002	.0003	.0039	.0001	.0005
%RSD	21.76	.3278	22.71	208.5	388.3	1.008	29.46
#1	.0006	.0008	.0006	-.0001	.0038	.0071	-.0012
#2	.0004	.0008	.0009	.0003	-.0018	.0070	-.0019

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4159.4	111360.	8284.6
Stddev	22.1	24.	126.7
%RSD	.53165	.02160	1.5296
#1	4175.0	111380.	8195.0
#2	4143.7	111340.	8374.2

Zoom In Zoom Out

Sample Name: JB53212-7 Acquired: 12/12/2013 14:33:14 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0014	.0392	-.0001	.0000	.0012	.0005	.0000	.1002	.0000
Stddev	.0002	.0006	.0005	.000	.0003	.0003	.000	.0016	.000
%RSD	13.89	1.440	408.8	762.4	28.77	53.99	3.403	1.578	475.8
#1	.0013	.0388	-.0004	-.0002	.0014	.0003	.0000	.0991	-.0001
#2	.0016	.0396	.0002	.0001	.0009	.0007	.0000	.1014	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0000	.0004	.0013	.0514	.0924	.0571	.0013	.0003	.4049
Stddev	.0000	.0001	.0000	.0011	.0197	.0169	.0000	.0000	.0261
%RSD	95.57	23.71	2.173	2.095	21.37	29.56	1.292	14.60	6.457
#1	.0001	.0005	.0013	.0506	.0784	.0690	.0013	.0003	.4234
#2	.0000	.0003	.0012	.0521	.1063	.0451	.0013	.0003	.3864

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0006	-.0005	.0003	.0009	.0292	.0002	.0017	.0762	.0003
Stddev	.0001	.0003	.0002	.0009	.0019	.0003	.0003	.0004	.0001
%RSD	23.57	52.56	66.33	96.57	6.531	139.2	18.93	.5246	23.78
#1	.0005	-.0003	.0004	.0015	.0279	.0004	.0014	.0765	.0002
#2	.0007	-.0008	.0002	.0003	.0306	.0000	.0019	.0759	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0004	.0008	.0005	-.0002	.0006	.0052	-.0004
Stddev	.0000	.0000	.0004	.0002	.0001	.0001	.0007
%RSD	6.340	4.707	72.37	82.82	10.76	2.866	191.9
#1	.0005	.0007	.0003	-.0004	.0007	.0053	.0001
#2	.0004	.0008	.0008	-.0001	.0006	.0051	-.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4182.7	109680.	8419.4
Stddev	6.8	510.	107.9
%RSD	.16353	.46532	1.2820
#1	4187.6	109320.	8343.1
#2	4177.9	110040.	8495.7

Zoom In Zoom Out

Sample Name: JB53212-3 Acquired: 12/12/2013 14:38:11 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 50X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0142	.6313	-.0075	-.0140	.2273	.1544	-.0003	167.3	.0010
Stddev	.0032	.4255	.0334	.0011	.0063	.0138	.0005	.7	.0030
%RSD	22.53	67.40	446.9	7.791	2.766	8.929	180.1	.4076	299.2
#1	.0119	.9322	-.0311	-.0132	.2318	.1446	.0001	166.8	.0031
#2	.0164	.3304	.0161	-.0148	.2229	.1641	-.0006	167.8	-.0011

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0003	-.0112	-.0149	1.466	66.34	42.10	.1819	.0106	2742.
Stddev	.0053	.0072	.0036	.051	.79	.42	.0007	.0048	7.
%RSD	1684.	64.44	23.90	3.487	1.198	.9997	.3709	45.21	.2402
#1	-.0041	-.0061	-.0174	1.430	66.90	41.80	.1823	.0072	2737.
#2	.0035	-.0163	-.0124	1.502	65.78	42.40	.1814	.0140	2747.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0077	-.0084	.0140	.1348	9.817	.0025	.0227	12.39	.0062
Stddev	.0030	.0499	.0048	.1676	.123	.0194	.0022	.04	.0083
%RSD	38.72	594.9	34.52	124.3	1.254	767.9	9.686	.3589	135.5
#1	.0098	-.0437	.0174	.2534	9.905	-.0112	.0211	12.43	.0121
#2	.0056	.0269	.0106	.0163	9.730	.0162	.0242	12.36	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	2.663	.0119	-.0136	.0084	.0601	.0227	-.0649
Stddev	.002	.0132	.0070	.0013	.0398	.0053	.0136
%RSD	.0564	111.1	51.45	15.18	66.26	23.38	20.99
#1	2.664	.0025	-.0186	.0075	.0320	.0265	-.0553
#2	2.662	.0212	-.0087	.0093	.0883	.0190	-.0745

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4139.4	109560.	8258.3
Stddev	5.5	810.	41.3
%RSD	.13208	.73964	.49973
#1	4135.6	108990.	8287.5
#2	4143.3	110130.	8229.2

Zoom In Zoom Out

Sample Name: JB53212-4 Acquired: 12/12/2013 14:43:07 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 50X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0032	5.832	-.0040	.0585	3.088	.1507	.0006	72.64	.0014
Stddev	.0221	1.448	.0037	.0048	.042	.0083	.0003	.88	.0014
%RSD	689.5	24.83	93.73	8.147	1.348	5.490	51.38	1.211	97.65
#1	.0124	6.856	-.0066	.0619	3.117	.1449	.0008	73.26	.0024
#2	-.0188	4.808	-.0013	.0551	3.059	.1566	.0004	72.02	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0009	.0018	-.0092	9.080	99.53	144.6	.1439	.0101	2556.
Stddev	.0066	.0021	.0073	.192	1.21	.5	.0027	.0025	13.
%RSD	723.1	118.1	79.41	2.115	1.218	.3747	1.858	24.59	.5074
#1	-.0037	.0033	-.0143	8.944	100.4	145.0	.1458	.0118	2566.
#2	.0055	.0003	-.0040	9.215	98.67	144.2	.1420	.0083	2547.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0157	.0130	.0124	.0462	51.48	.0201	.0029	30.73	-.0015
Stddev	.0080	.0213	.0313	.0851	.77	.0103	.0417	.55	.0011
%RSD	51.16	164.2	252.5	184.1	1.491	51.25	1421.	1.783	74.11
#1	.0100	-.0021	-.0098	-.0140	52.02	.0273	.0324	31.12	-.0023
#2	.0213	.0281	.0346	.1064	50.93	.0128	-.0265	30.34	-.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.9701	.2684	-.0002	.0006	-.1111	.0637	-.1696
Stddev	.0121	.0020	.0215	.0116	.2214	.0066	.0106
%RSD	1.248	.7400	8848.	2023.	199.3	10.36	6.241
#1	.9787	.2698	-.0154	-.0076	.0455	.0590	-.1621
#2	.9615	.2670	.0149	.0088	-.2677	.0684	-.1771

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4148.4	109300.	8212.4
Stddev	60.0	27.	55.1
%RSD	1.4462	.02435	.67035
#1	4105.9	109280.	8173.4
#2	4190.8	109320.	8251.3

Zoom In Zoom Out

Sample Name: JB53441-12 Acquired: 12/12/2013 14:48:01 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0019	.0787	-.0042	.0004	.6851	.0031	-.0004	56.44	.0004
Stddev	.0020	.0013	.0014	.0022	.0025	.0002	.0001	.03	.0001
%RSD	106.5	1.625	32.45	617.2	.3595	6.930	37.34	.0481	34.78
#1	.0005	.0778	-.0052	.0019	.6833	.0032	-.0005	56.46	.0003
#2	.0032	.0796	-.0033	-.0012	.6868	.0029	-.0003	56.42	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0002	.0006	-.0025	.0470	35.09	38.16	.0343	.0001	351.8
Stddev	.0002	.0005	.0002	.0039	.14	.08	.0002	.0002	2.0
%RSD	67.80	81.52	6.005	8.324	.3855	.1985	.4933	262.4	.5766
#1	-.0004	.0003	-.0026	.0443	35.00	38.21	.0342	.0002	350.4
#2	-.0001	.0010	-.0024	.0498	35.19	38.11	.0344	-.0001	353.3

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0003	-.0007	-.0035	.0098	4.797	.0017	.0035	21.55	.0001
Stddev	.0002	.0005	.0096	.0003	.006	.0051	.0012	.01	.0003
%RSD	64.96	80.19	269.9	3.393	.1223	290.9	35.60	.0400	548.8
#1	-.0004	-.0011	.0032	.0100	4.793	.0053	.0026	21.55	.0002
#2	-.0002	-.0003	-.0103	.0096	4.802	-.0018	.0043	21.56	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4266	.0080	-.0019	.0018	-.0031	.0033	-.1179
Stddev	.0005	.0008	.0027	.0016	.0134	.0001	.0031
%RSD	.1124	10.34	146.0	91.13	438.5	3.970	2.597
#1	.4269	.0086	.0001	.0006	-.0125	.0032	-.1201
#2	.4262	.0074	-.0038	.0029	.0064	.0034	-.1157

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4104.3	108360.	8248.6
Stddev	9.3	530.	1.7
%RSD	.22685	.48885	.02072
#1	4110.8	108730.	8247.4
#2	4097.7	107980.	8249.8

Zoom In Zoom Out

Sample Name: MC26964-11 Acquired: 12/12/2013 14:52:56 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0012	8.691	.0055	-.0014	.0752	.1005	.0003	117.8	.0004
Stddev	.0004	.106	.0006	.0002	.0005	.0006	.0000	.5	.0001
%RSD	35.30	1.218	10.75	17.45	.7018	.6251	6.558	.4583	14.61
#1	.0009	8.766	.0051	-.0012	.0748	.1010	.0002	118.2	.0004
#2	.0015	8.616	.0059	-.0016	.0755	.1001	.0003	117.4	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0419	.0182	.0190	6.827	12.90	13.42	1.071	.1012	120.4
Stddev	.0001	.0001	.0003	.042	.01	.01	.003	.0003	.3
%RSD	.2050	.4754	1.397	.6177	.1138	.0514	.2874	.2474	.2645
#1	.0420	.0182	.0192	6.856	12.91	13.42	1.073	.1014	120.6
#2	.0418	.0181	.0188	6.797	12.89	13.43	1.069	.1011	120.2

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4081	.0436	-.0046	-.0044	F 80.56	.0035	.0018	33.99	.0001
Stddev	.0017	.0001	.0002	.0003	.29	.0004	.0012	.24	.0004
%RSD	.4246	.3202	4.517	6.055	.3661	10.49	67.78	.7180	367.9
#1	.4093	.0435	-.0047	-.0042	80.76	.0037	.0027	34.16	-.0002
#2	.4069	.0437	-.0045	-.0046	80.35	.0032	.0010	33.82	.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4590	.4176	-.0010	.0133	.0258	.0716	-.1739
Stddev	.0020	.0149	.0003	.0005	.0020	.0001	.0046
%RSD	.4312	3.576	31.23	3.415	7.640	.1472	2.639
#1	.4604	.4281	-.0012	.0136	.0244	.0717	-.1771
#2	.4576	.4070	-.0008	.0130	.0272	.0715	-.1706

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4054.1	107970.	8349.3
Stddev	17.1	240.	50.3
%RSD	.42238	.22225	.60193
#1	4042.0	107800.	8313.8
#2	4066.2	108140.	8384.8

Zoom In Zoom Out

Sample Name: JB53303-3 Acquired: 12/12/2013 14:57:46 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**.1422**	**.0004**	**-.0022**	**.2172**	**.9439**	**.0002**	**136.4**	**.0000**
Stddev	.0003	.0289	.0007	.0009	.0022	.0004	.0001	.4	.0000
%RSD	81.29	20.35	175.4	41.92	1.017	.0470	29.67	.2997	178.3
#1	.0005	.1626	-.0001	-.0029	.2157	.9442	.0002	136.7	.0000
#2	.0001	.1217	.0009	-.0016	.2188	.9436	.0001	136.1	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0004**	**.0005**	**.0004**	**30.67**	**5.832**	**59.31**	**2.017**	**.0001**	F **396.7**
Stddev	.0000	.0003	.0000	.03	.021	.41	.004	.0000	2.8
%RSD	2.220	56.35	5.831	.1009	.3594	.6988	.1760	11.69	.7161
#1	-.0004	.0003	.0004	30.69	5.847	59.60	2.014	.0001	398.7
#2	-.0004	.0007	.0004	30.65	5.817	59.02	2.019	.0001	394.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0003**	**-.0010**	**-.0044**	**-.0086**	**15.45**	**-.0002**	**.0016**	**11.00**	**.0003**
Stddev	.0002	.0004	.0004	.0020	.16	.0006	.0002	.12	.0002
%RSD	54.32	46.34	8.387	23.77	1.062	337.9	10.61	1.065	56.22
#1	-.0004	-.0006	-.0041	-.0101	15.34	-.0006	.0017	10.92	.0004
#2	-.0002	-.0013	-.0046	-.0072	15.57	.0003	.0014	11.08	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.8660**	**.0020**	**-.0010**	**.0010**	**.0061**	**.6619**	**-.0583**
Stddev	.0008	.0000	.0001	.0002	.0010	.0057	.0004
%RSD	.0872	.9255	6.172	16.90	16.67	.8579	.6424
#1	.8654	.0020	-.0011	.0009	.0054	.6579	-.0581
#2	.8665	.0020	-.0010	.0011	.0068	.6659	-.0586

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3848.0**	**103340.**	**8209.2**
Stddev	21.6	241.	85.5
%RSD	.56074	.23343	1.0409
#1	3863.2	103510.	8148.8
#2	3832.7	103170.	8269.7

Zoom In Zoom Out

Sample Name: JB53303-3F Acquired: 12/12/2013 15:02:44 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0005**	**.1216**	**.0003**	**-.0019**	**.2078**	**.8370**	**.0001**	**131.8**	**.0001**
Stddev	.0000	.0246	.0008	.0009	.0005	.0006	.0000	.3	.0000
%RSD	9.512	20.23	255.2	47.99	.2270	.0709	25.22	.2323	14.62
#1	.0004	.1042	.0009	-.0012	.2081	.8365	.0001	132.0	.0001
#2	.0005	.1390	-.0003	-.0025	.2075	.8374	.0002	131.6	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0004**	**.0000**	**-.0002**	**16.96**	**5.767**	**57.78**	**1.938**	**.0001**	F **388.0**
Stddev	.0001	.0003	.0000	.06	.042	.32	.001	.0000	.2
%RSD	19.47	2006.	7.033	.3616	.7264	.5605	.0732	6.036	.0552
#1	-.0005	.0002	-.0002	17.01	5.797	58.01	1.939	.0001	388.2
#2	-.0004	-.0002	-.0002	16.92	5.737	57.55	1.936	.0001	387.9

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0002**	**-.0006**	**-.0057**	**-.0082**	**13.04**	**.0007**	**.0023**	**9.971**	**.0003**
Stddev	.0000	.0005	.0000	.0018	.01	.0003	.0002	.011	.0003
%RSD	28.51	90.85	.8600	22.19	.1151	41.68	9.108	.1107	103.6
#1	-.0001	-.0002	-.0058	-.0069	13.05	.0005	.0022	9.978	.0001
#2	-.0002	-.0010	-.0057	-.0095	13.03	.0010	.0025	9.963	.0005

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.8335**	**.0013**	**-.0014**	**-.0001**	**.0017**	**.0380**	**-.0532**
Stddev	.0003	.0002	.0004	.0001	.0019	.0002	.0000
%RSD	.0347	12.14	30.36	63.49	112.2	.4052	.0592
#1	.8333	.0014	-.0011	-.0001	.0030	.0379	-.0532
#2	.8337	.0012	-.0017	-.0001	.0003	.0382	-.0533

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3853.2**	**102670.**	**8074.9**
Stddev	4.1	232.	53.0
%RSD	.10585	.22615	.65602
#1	3850.3	102500.	8037.4
#2	3856.0	102830.	8112.3

Zoom In Zoom Out

Sample Name: JB53441-5 Acquired: 12/12/2013 15:07:41 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 50X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0017**	**.8532**	**-.0208**	**-.0213**	**1.963**	**.0421**	**-.0015**	**81.56**	**.0028**
Stddev	.0021	.5949	.0051	.0139	.032	.0043	.0015	.39	.0003
%RSD	118.6	69.73	24.75	65.26	1.632	10.13	95.35	.4747	9.316
#1	.0032	1.274	-.0244	-.0115	1.985	.0451	-.0005	81.29	.0029
#2	.0003	.4325	-.0171	-.0311	1.940	.0391	-.0025	81.84	.0026

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0025**	**-.0126**	**-.0196**	**6.562**	**86.51**	**170.2**	**.2431**	**.0044**	**2477.**
Stddev	.0011	.0098	.0064	.052	1.42	5.1	.0024	.0046	6.
%RSD	41.91	77.81	32.61	.7958	1.641	3.010	.9788	104.8	.2462
#1	-.0033	-.0196	-.0242	6.525	87.51	166.6	.2448	.0077	2482.
#2	-.0018	-.0057	-.0151	6.599	85.50	173.8	.2414	.0011	2473.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0127**	**-.0238**	**-.0265**	**-.1371**	**102.2**	**-.0164**	**.0771**	**15.37**	**.0190**
Stddev	.0026	.0106	.0575	.0701	1.9	.0028	.0101	.27	.0011
%RSD	20.44	44.51	216.5	51.13	1.826	16.82	13.04	1.782	5.968
#1	.0109	-.0163	-.0672	-.0876	103.5	-.0184	.0700	15.56	.0182
#2	.0146	-.0312	.0141	-.1867	100.8	-.0145	.0842	15.17	.0198

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.047**	**.0009**	**.0210**	**-.0184**	**.0796**	**.1137**	**-.0942**
Stddev	.001	.0122	.0126	.0050	.0243	.0044	.0049
%RSD	.0543	1379.	60.25	27.40	30.50	3.900	5.247
#1	1.047	-.0077	.0299	-.0220	.0967	.1168	-.0907
#2	1.047	.0095	.0120	-.0148	.0624	.1106	-.0977

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4135.2**	**110490.**	**8207.2**
Stddev	59.5	246.	91.3
%RSD	1.4391	.22297	1.1124
#1	4093.1	110660.	8271.8
#2	4177.3	110310.	8142.7

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 15:12:36 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2565**	**10.01**	**1.967**	**-.0010**	**1.973**	**1.931**	**1.944**	**10.05**	**2.029**
Stddev	.0108	.21	.013	.0001	.012	.035	.032	.17	.011
%RSD	4.194	2.074	.6651	9.677	.5834	1.819	1.666	1.693	.5496
#1	.2489	10.16	1.976	-.0011	1.981	1.956	1.967	10.17	2.037
#2	.2641	9.867	1.958	-.0010	1.964	1.907	1.921	9.929	2.021

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.088**	**2.015**	**1.944**	**10.10**	**10.07**	**9.906**	**2.037**	**2.001**	**10.25**
Stddev	.010	.105	.088	.18	.18	.205	.100	.005	.15
%RSD	.4589	5.214	4.505	1.767	1.762	2.074	4.913	.2358	1.444
#1	2.094	1.941	1.882	10.23	10.19	10.05	1.966	2.005	10.35
#2	2.081	2.090	2.006	9.976	9.940	9.761	2.108	1.998	10.14

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.946**	**1.950**	**.0017**	**-.0090**	**-.0005**	**1.992**	**2.010**	**.0508**	**1.991**
Stddev	.009	.012	.0001	.0038	.0031	.017	.008	.0077	.009
%RSD	.4598	.6193	7.585	41.84	640.4	.8460	.3917	15.15	.4795
#1	1.952	1.958	.0016	-.0064	-.0027	2.004	2.016	.0563	1.998
#2	1.939	1.941	.0017	-.0117	.0017	1.980	2.004	.0454	1.984

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.979**	**2.018**	**1.959**	**2.015**	**-.0032**	**2.010**	**-.0064**
Stddev	.035	.098	.007	.098	.0042	.009	.0017
%RSD	1.760	4.835	.3790	4.882	131.4	.4612	26.88
#1	2.004	1.949	1.964	1.945	-.0061	2.016	-.0076
#2	1.955	2.087	1.954	2.084	-.0002	2.003	-.0051

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4172.1**	**108020.**	**8275.9**
Stddev	14.1	4360.	169.1
%RSD	.33894	4.0364	2.0435
#1	4162.1	111110.	8156.3
#2	4182.1	104940.	8395.5

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 15:18:45 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2545**	**9.981**	**1.946**	**-.0017**	**1.948**	**1.933**	**1.943**	**9.996**	**2.003**
Stddev	.0031	.063	.031	.0000	.037	.007	.014	.042	.039
%RSD	1.232	.6308	1.588	.4176	1.907	.3593	.7373	.4203	1.922
#1	.2567	10.03	1.924	-.0017	1.922	1.938	1.953	10.03	1.976
#2	.2523	9.936	1.967	-.0017	1.975	1.928	1.933	9.966	2.031

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.062**	**2.009**	**1.926**	**10.07**	**9.984**	**9.908**	**2.028**	**1.979**	**10.18**
Stddev	.039	.021	.007	.02	.014	.092	.012	.041	.04
%RSD	1.881	1.057	.3433	.1668	.1389	.9297	.5724	2.091	.4350
#1	2.034	2.025	1.931	10.08	9.994	9.973	2.036	1.950	10.21
#2	2.089	1.994	1.922	10.06	9.974	9.843	2.019	2.008	10.15

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.926**	**1.926**	**.0019**	**-.0070**	**-.0038**	**1.972**	**1.986**	**.0620**	**1.958**
Stddev	.036	.034	.0001	.0024	.0022	.038	.036	.0024	.040
%RSD	1.853	1.781	3.200	34.88	57.08	1.934	1.829	3.910	2.029
#1	1.901	1.901	.0019	-.0087	-.0023	1.945	1.961	.0602	1.930
#2	1.951	1.950	.0018	-.0053	-.0053	1.999	2.012	.0637	1.986

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.974**	**1.999**	**1.938**	**1.999**	**-.0067**	**1.982**	**-.0072**
Stddev	.014	.019	.034	.014	.0009	.039	.0004
%RSD	.7307	.9357	1.745	.7048	14.05	1.940	5.969
#1	1.985	2.012	1.914	2.009	-.0060	1.955	-.0069
#2	1.964	1.986	1.962	1.989	-.0074	2.009	-.0075

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4188.9**	**107560.**	**8206.9**
Stddev	64.8	682.	18.6
%RSD	1.5473	.63451	.22724
#1	4234.7	107070.	8220.1
#2	4143.0	108040.	8193.7

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 15:26:21 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.0037**	**-.0001**	**-.0003**	**.0011**	**.0002**	**.0000**	**.0000**	**.0001**
Stddev	.0003	.0060	.0004	.0002	.0002	.0002	.0001	.0003	.0000
%RSD	94.99	159.8	309.0	53.16	16.53	72.71	254.1	23820.	4.759
#1	.0001	.0079	.0002	-.0004	.0013	.0001	.0000	-.0002	.0001
#2	.0006	-.0005	-.0004	-.0002	.0010	.0004	.0001	.0002	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**-.0002**	**-.0001**	**.0009**	**.0598**	**.0153**	**.0000**	**.0016**	**.1559**
Stddev	.0000	.0000	.0000	.0014	.0385	.0154	.000	.0002	.0181
%RSD	1254.	27.13	35.46	164.9	64.46	100.2	246.4	13.56	11.62
#1	.0000	-.0001	-.0001	-.0001	.0325	.0045	.0000	.0018	.1431
#2	.0000	-.0002	-.0001	.0018	.0870	.0262	.0000	.0015	.1687

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0002**	**-.0003**	**.0003**	**.0001**	**-.0005**	**.0005**	**.0012**	**.0083**	**.0006**
Stddev	.0001	.0001	.0014	.0012	.0000	.0004	.0006	.0004	.0001
%RSD	29.48	17.50	519.2	1020.	.9055	69.34	46.76	4.537	8.459
#1	.0001	-.0003	.0013	-.0008	-.0005	.0003	.0008	.0081	.0006
#2	.0002	-.0004	-.0007	.0010	-.0005	.0008	.0016	.0086	.0006

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0002**	**.0007**	**.0000**	**-.0017**	**.0001**	**-.0004**
Stddev	.0000	.0000	.0001	.000	.0048	.0000	.0004
%RSD	180.3	7.803	18.49	1156.	284.8	21.42	103.5
#1	.0000	.0002	.0006	-.0002	-.0051	.0001	-.0006
#2	.0000	.0003	.0008	.0002	.0017	.0001	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4162.1**	**109630.**	**8168.2**
Stddev	1.9	344.	62.5
%RSD	.04515	.31335	.76576
#1	4160.8	109870.	8212.4
#2	4163.5	109390.	8123.9

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 15:31:19 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**.0027**	**.0030**	**-.0001**	**.0007**	**.0001**	**.0000**	**.0014**	**.0002**
Stddev	.0001	.0026	.0003	.0001	.0002	.0002	.0001	.0008	.0001
%RSD	20.81	95.85	11.38	95.00	32.22	198.6	182.4	59.95	30.09
#1	.0003	.0045	.0028	-.0002	.0008	.0002	.0000	.0008	.0002
#2	.0002	.0009	.0033	.0000	.0005	.0000	.0001	.0019	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0056**	**-.0003**	**-.0018**	**.0490**	**.0162**	**.0000**	**.0013**	**.1749**
Stddev	.000	.0003	.0000	.0014	.0160	.0192	.0000	.0000	.0027
%RSD	748.3	6.026	17.04	79.78	32.66	118.5	19.29	3.564	1.524
#1	.0000	.0058	-.0003	-.0008	.0377	.0026	.0000	.0013	.1730
#2	.0000	.0054	-.0002	-.0028	.0604	.0298	.0000	.0013	.1768

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0032**	**.0030**	**.0012**	**.0003**	**.0003**	**.0006**	**.0011**	**.0114**	**.0005**
Stddev	.0000	.0007	.0004	.0039	.0027	.0007	.0004	.0005	.0000
%RSD	.8339	22.52	38.64	1200.	819.7	106.2	33.65	4.818	8.899
#1	.0032	.0035	.0008	.0031	-.0016	.0002	.0014	.0118	.0004
#2	.0032	.0026	.0015	-.0024	.0022	.0011	.0009	.0110	.0005

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0003**	**.0025**	**-.0002**	**.0014**	**.0004**	**-.0002**
Stddev	.0000	.0001	.0001	.0005	.0010	.0000	.0001
%RSD	14.26	31.26	2.167	239.9	73.16	1.145	58.69
#1	.0000	.0002	.0024	-.0005	.0021	.0004	-.0003
#2	.0000	.0004	.0025	.0001	.0007	.0004	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4126.2**	**109640.**	**8307.1**
Stddev	.1	131.	29.3
%RSD	.00230	.11915	.35212
#1	4126.2	109730.	8327.7
#2	4126.3	109550.	8286.4

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 15:36:35 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0026**	**-.0009**	**-.0006**	**-.0001**	**.0008**	**.0206**	**.0011**	**.0078**	**.0000**
Stddev	.0000	.0096	.0003	.0010	.0002	.0002	.0001	.0008	.0000
%RSD	.3072	1012.	58.21	1090.	31.40	.8088	13.57	9.770	44.39
#1	.0026	.0058	-.0008	.0006	.0006	.0207	.0010	.0072	.0001
#2	.0026	-.0077	-.0003	-.0008	.0009	.0205	.0012	.0083	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**-.0004**	**.0095**	**-.0031**	**.0321**	**.0291**	**.0000**	**.0005**	**.1583**
Stddev	.0000	.0001	.0002	.0009	.0150	.0183	.0000	.0000	.0068
%RSD	580.9	16.80	1.984	27.97	46.85	63.08	110.4	8.612	4.273
#1	.0000	-.0005	.0097	-.0037	.0214	.0161	.0000	.0006	.1535
#2	.0000	-.0004	.0094	-.0025	.0427	.0420	.0000	.0005	.1631

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0107**	**.0001**	**.0008**	**.0011**	**-.0005**	**-.0001**	**.0013**	**.0142**	**.0005**
Stddev	.0000	.0001	.0003	.0001	.0021	.0001	.0001	.0002	.0005
%RSD	.1484	187.0	40.05	11.57	455.0	200.9	10.72	1.185	96.75
#1	.0107	.0001	.0006	.0010	.0010	-.0002	.0014	.0144	.0008
#2	.0107	.0000	.0010	.0012	-.0019	.0000	.0012	.0141	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0002**	**-.0002**	**-.0007**	**-.0012**	**.0012**	**-.0003**
Stddev	.000	.0002	.0002	.0001	.0010	.0001	.0001
%RSD	58.91	91.05	142.4	19.55	83.60	7.555	33.24
#1	.0000	.0001	-.0003	-.0006	-.0020	.0011	-.0003
#2	.0000	.0003	.0000	-.0008	-.0005	.0013	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4125.6**	**109800.**	**8262.5**
Stddev	2.0	572.	6.1
%RSD	.04759	.52078	.07380
#1	4126.9	109400.	8258.2
#2	4124.2	110210.	8266.8

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 15:41:32 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0052**	**.2160**	**.0034**	**.0000**	**.1002**	**.0478**	**.0040**	**4.942**	**.0043**
Stddev	.0003	.0056	.0012	.000	.0013	.0006	.0001	.098	.0000
%RSD	5.428	2.605	36.56	635.0	1.278	1.291	2.335	1.988	.6171
#1	.0050	.2121	.0043	.0001	.0993	.0474	.0039	4.872	.0044
#2	.0054	.2200	.0025	-.0002	.1011	.0483	.0040	5.011	.0043

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0527**	**.0099**	**.0234**	**.0972**	**4.967**	**4.971**	**.0155**	**.1017**	**5.172**
Stddev	.0008	.0001	.0003	.0048	.091	.090	.0000	.0017	.101
%RSD	1.515	1.504	1.167	4.917	1.836	1.816	.1181	1.660	1.960
#1	.0521	.0100	.0236	.0938	4.902	4.907	.0155	.1005	5.100
#2	.0532	.0098	.0232	.1006	5.031	5.034	.0155	.1029	5.243

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0404**	**.0050**	**-.0001**	**.0023**	**-.0028**	**.0067**	**.0112**	**.0262**	**.0993**
Stddev	.0005	.0002	.0011	.0031	.0014	.0005	.0012	.0003	.0011
%RSD	1.342	4.302	982.1	137.2	50.07	6.775	10.79	1.227	1.119
#1	.0400	.0051	.0007	.0045	-.0038	.0064	.0104	.0260	.0985
#2	.0408	.0048	-.0009	.0001	-.0018	.0070	.0121	.0265	.1001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0097**	**.0507**	**.0051**	**.0096**	**.0017**	**.0213**	**.0001**
Stddev	.0001	.0004	.0001	.0000	.0013	.0002	.0003
%RSD	1.108	.7869	1.163	.4025	80.00	1.103	504.4
#1	.0096	.0504	.0050	.0096	.0007	.0211	-.0002
#2	.0097	.0510	.0051	.0096	.0026	.0215	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4192.9**	**108890.**	**8268.5**
Stddev	48.2	467.	123.8
%RSD	1.1505	.42918	1.4969
#1	4227.0	109220.	8356.0
#2	4158.8	108560.	8180.9

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/12/2013 15:46:25 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0001**	**541.3**	**.0001**	**-.0072**	**.0013**	**.0001**	**.0001**	**459.9**	**.0000**
Stddev	.0002	2.3	.0009	.0013	.0002	.0000	.0001	7.1	.0002
%RSD	125.2	.4279	789.6	17.81	17.05	18.13	69.94	1.540	790.3
#1	.0000	539.6	-.0005	-.0081	.0011	.0001	.0000	454.9	.0001
#2	.0003	542.9	.0007	-.0063	.0015	.0002	.0001	464.9	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**-.0005**	**.0010**	**191.9**	**.1076**	**511.0**	**-.0004**	**-.0026**	**.2045**
Stddev	.0002	.0002	.0004	1.6	.0050	5.0	.0001	.0002	.0063
%RSD	89.75	42.47	43.54	.8178	4.611	.9802	16.49	8.131	3.071
#1	.0001	-.0007	.0007	190.7	.1111	507.4	-.0004	-.0024	.2089
#2	.0003	-.0004	.0013	193.0	.1041	514.5	-.0003	-.0027	.2000

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0022**	**.0015**	**-.0028**	**-.0012**	**.0964**	**.0003**	**.0005**	**.0413**	**-.0017**
Stddev	.0001	.0006	.0002	.0018	.0043	.0002	.0019	.0009	.0004
%RSD	4.454	40.40	7.628	154.7	4.408	46.42	363.9	2.259	23.59
#1	-.0022	.0010	-.0027	-.0025	.0934	.0005	-.0008	.0406	-.0020
#2	-.0023	.0019	-.0030	.0001	.0994	.0002	.0019	.0419	-.0015

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0079**	**.0058**	**-.0009**	**-.0003**	**-.0120**	**.0007**	**.0027**
Stddev	.0002	.0003	.0001	.0005	.0045	.0001	.0001
%RSD	1.981	5.012	12.09	174.8	37.73	13.87	5.119
#1	-.0078	.0056	-.0010	-.0007	-.0152	.0007	.0026
#2	-.0080	.0060	-.0008	.0001	-.0088	.0008	.0028

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3825.8**	**100930.**	**7963.0**
Stddev	12.1	279.	33.5
%RSD	.31709	.27629	.42084
#1	3834.4	101130.	7986.7
#2	3817.2	100740.	7939.3

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/12/2013 15:51:20 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**1.045**	**538.5**	**2.087**	**.4749**	**.9576**	**.5002**	**.4591**	**453.3**	**1.017**
Stddev	.001	.5	.008	.0011	.0048	.0008	.0012	2.9	.005
%RSD	.1262	.0938	.3710	.2289	.5059	.1547	.2674	.6479	.4639
#1	1.046	538.9	2.092	.4741	.9610	.4997	.4599	455.4	1.020
#2	1.044	538.2	2.081	.4756	.9542	.5008	.4582	451.2	1.014

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4631**	**.4662**	**.4755**	**189.9**	**.1366**	**504.4**	**.4708**	**.9418**	**.1869**
Stddev	.0009	.0014	.0006	.8	.0026	2.8	.0014	.0005	.0211
%RSD	.1997	.2987	.1337	.4160	1.924	.5562	.2970	.0557	11.31
#1	.4638	.4652	.4751	190.4	.1385	506.3	.4698	.9421	.2018
#2	.4625	.4672	.4760	189.3	.1348	502.4	.4718	.9414	.1719

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.8305**	**.8534**	**.5021**	**.4800**	**.5730**	**2.021**	**2.008**	**7.446**	**.9210**
Stddev	.0019	.0010	.0013	.0049	.0008	.009	.010	.035	.0008
%RSD	.2254	.1131	.2511	1.029	.1416	.4438	.5132	.4633	.0827
#1	.8318	.8540	.5012	.4765	.5735	2.028	2.016	7.471	.9216
#2	.8292	.8527	.5030	.4835	.5724	2.015	2.001	7.422	.9205

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.9768**	**.4819**	**1.765**	**.4793**	**1.967**	**.9015**	**.3710**
Stddev	.0002	.0006	.002	.0004	.003	.0004	.0059
%RSD	.0193	.1326	.1138	.0865	.1706	.0467	1.592
#1	.9770	.4815	1.766	.4790	1.965	.9018	.3668
#2	.9767	.4824	1.764	.4796	1.969	.9012	.3752

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3823.8**	**100770.**	**8021.4**
Stddev	11.5	196.	35.0
%RSD	.30093	.19414	.43631
#1	3815.6	100910.	7996.6
#2	3831.9	100630.	8046.1

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 15:56:10 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2544**	**10.24**	**1.973**	**-.0025**	**1.975**	**1.958**	**1.972**	**10.20**	**2.025**
Stddev	.0013	.02	.004	.0015	.000	.000	.000	.03	.000
%RSD	.5140	.1688	.1965	62.86	.0061	.0164	.0152	.2827	.0087
#1	.2553	10.26	1.976	-.0035	1.975	1.959	1.972	10.18	2.025
#2	.2535	10.23	1.970	-.0014	1.975	1.958	1.972	10.22	2.025

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.086**	**1.985**	**1.920**	**10.24**	**10.13**	**10.11**	**2.011**	**1.999**	**10.30**
Stddev	.003	.021	.022	.07	.01	.02	.020	.001	.03
%RSD	.1553	1.074	1.162	.6955	.0748	.2408	1.002	.0296	.2587
#1	2.088	2.000	1.936	10.19	10.12	10.13	2.025	1.999	10.28
#2	2.084	1.970	1.904	10.29	10.13	10.10	1.996	1.998	10.32

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.952**	**1.949**	**.0021**	**-.0065**	**-.0023**	**1.995**	**2.010**	**.0303**	**1.988**
Stddev	.003	.000	.0006	.0009	.0008	.000	.001	.0006	.003
%RSD	.1599	.0169	28.63	13.48	36.80	.0108	.0484	1.960	.1492
#1	1.954	1.948	.0016	-.0059	-.0029	1.995	2.009	.0299	1.990
#2	1.950	1.949	.0025	-.0071	-.0017	1.994	2.010	.0307	1.986

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**2.014**	**1.986**	**1.961**	**1.985**	**.0068**	**2.005**	**.0454**
Stddev	.004	.022	.001	.022	.0007	.008	.0112
%RSD	.1752	1.097	.0663	1.107	9.908	.4085	24.58
#1	2.017	2.001	1.962	2.001	.0063	2.010	.0533
#2	2.012	1.970	1.960	1.970	.0072	1.999	.0375

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4173.0**	**109140.**	**8182.3**
Stddev	.3	783.	40.6
%RSD	.00659	.71727	.49631
#1	4173.1	108590.	8211.0
#2	4172.8	109690.	8153.6

Zoom In
Zoom Out

Sample Name: CCB Acquired: 12/12/2013 16:00:55 Type: Unk
Method: Accutest -SS1 with S(v269) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.0026**	**.0003**	**-.0002**	**.0019**	**.0001**	**.0001**	**.0081**	**.0003**
Stddev	.0001	.0038	.0000	.0013	.0000	.0003	.0000	.0003	.0003
%RSD	30.96	148.5	3.888	829.4	.1393	267.6	3.226	4.150	87.75
#1	.0003	.0053	.0003	-.0011	.0018	-.0001	.0001	.0078	.0001
#2	.0005	-.0001	.0003	.0008	.0019	.0003	.0001	.0083	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**-.0002**	**-.0003**	**.0036**	**.0308**	**-.0138**	**.0000**	**.0034**	**.1029**
Stddev	.0001	.0001	.0003	.0020	.0233	.0118	.0000	.0007	.0027
%RSD	73.48	64.49	99.04	56.24	75.64	85.31	273.1	19.04	2.670
#1	.0001	-.0003	-.0001	.0051	.0473	-.0055	.0000	.0039	.1009
#2	.0002	-.0001	-.0005	.0022	.0143	-.0221	.0000	.0030	.1048

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0004**	**.0004**	**-.0001**	**.0037**	**-.0011**	**.0010**	**.0018**	**.0053**	**.0005**
Stddev	.0001	.0000	.0003	.0010	.0008	.0000	.0015	.0007	.0001
%RSD	33.13	8.976	235.0	26.27	70.85	1.677	87.17	13.10	27.68
#1	.0003	.0004	.0001	.0044	-.0005	.0010	.0007	.0048	.0004
#2	.0005	.0004	-.0004	.0030	-.0016	.0010	.0029	.0058	.0006

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0002**	**.0002**	**.0018**	**-.0001**	**.0051**	**.0003**	**.0005**
Stddev	.0002	.0001	.0000	.0001	.0029	.0001	.0006
%RSD	98.18	51.06	1.588	90.99	57.95	32.75	129.0
#1	.0000	.0001	.0019	-.0001	.0072	.0003	.0010
#2	.0003	.0003	.0018	-.0002	.0030	.0004	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4160.8**	**108620.**	**8254.1**
Stddev	1.1	1262.	3.5
%RSD	.02569	1.1614	.04283
#1	4160.1	107730.	8256.6
#2	4161.6	109520.	8251.6

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	0.000004	0.000000	No
			Co	0.000007	0.000000	No
			Mn	0.000117	0.000000	No
			Mo	-0.000064	0.000000	No
			Cu	0.000004	0.000000	No
			Ti	-0.000067	0.000000	No
			Al	-0.000001	0.000000	No
			Zr	0.005523	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.002154	0.000000	No
			Mo	0.032564	0.000000	No
			Ca	0.001062	0.000000	No
As 189.042 {479}	☒	10	V	0.000072	0.000000	No
			Al	-0.000002	0.000000	No
			Mo	0.000104	0.000000	No
			Fe	-0.000002	0.000000	No
			Mn	0.000051	0.000000	No
			Ca	0.000001	0.000000	No
			Mg	-0.000001	0.000000	No
			Cr	0.000311	0.000000	No
			Na	-0.000002	0.000000	No
			Co	-0.001649	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000260	0.000000	No
			Mn	0.011376	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.051849	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000009	0.000000	No
Be 313.042 {108}	☒	3	V	0.000458	0.000000	No
			Mo	-0.000020	0.000000	No
			Ti	-0.000304	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	4	Ni	-0.000027	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000031	0.000000	No
			Ca	0.000000	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000059	0.000000	No
			Mo	-0.000045	0.000000	No
			Ti	0.001924	0.000000	No
			Ca	0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000002	0.000000	No
			Mn	0.000203	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000100	0.000000	No
			V	-0.000112	0.000000	No
			Mo	0.000717	0.000000	No
			Co	-0.000511	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000600	0.000000	No
			Co	-0.000015	0.000000	No
			Cr	0.000162	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000003	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000578	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Al	0.000598	0.000000	No
Ni 231.604 {446}	☒	3	Mo	-0.000233	0.000000	No
			Fe	0.000021	0.000000	No
			Ca	-0.000000	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000079	0.000000	No
			Mn	0.000082	0.000000	No
			Mo	-0.001342	0.000000	No
			Co	-0.000001	0.000000	No
			Cu	0.000067	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	0.000035	0.000000	No
			Mg	0.000001	0.000000	No
			Ni	0.000265	0.000000	No
			Si	0.000049	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000342	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.006177	0.000000	No
			Ni	0.000902	0.000000	No
			Mn	-0.001770	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
S 182.034 {485}	☒	3	Al	-0.000108	0.000000	No
			Ca	-0.000041	0.000000	No
			Fe	-0.000134	0.000000	No
Sb 206.833 {463}	☒	11	Al	0.000004	0.000000	No
			Fe	0.000039	0.000000	No
			Cr	0.006668	0.000000	No
			Mo	-0.001026	0.000000	No
			Mg	0.000001	0.000000	No
			Ni	-0.000189	0.000000	No
			V	-0.001826	0.000000	No
			Ca	-0.000002	0.000000	No
			Ti	-0.000106	0.000000	No
			Cu	-0.000042	0.000000	No
			Sn	-0.009353	0.000000	No
Se 196.090 {472}	☒	7	Al	0.000001	0.000000	No
			Fe	-0.000313	0.000000	No
			Mn	0.000772	0.000000	No
			Mo	0.000211	0.000000	No
			Ca	-0.000005	0.000000	No
			Na	-0.000001	0.000000	No
			Co	-0.000676	0.000000	No
Si 212.412 {459}	☒	3	V	0.030413	0.000000	No
			Ti	0.006483	0.000000	No
			Mo	0.043276	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.001480	0.000000	No
			Cr	0.000243	0.000000	No
			V	-0.020701	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Co	0.005224	0.000000	No
				Al	-0.000003	0.000000	No
				Fe	0.000008	0.000000	No
				Ti	-0.000988	0.000000	No
				Mo	-0.000063	0.000000	No
				Ca	-0.000004	0.000000	No
				Na	-0.000002	0.000000	No
	V 292.402 {115}	☒	3	Ti	0.000445	0.000000	No
				Mo	-0.003162	0.000000	No
				Fe	0.000018	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000141	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000003	0.000000	No
				Mn	0.000018	0.000000	No
				Ni	0.000039	0.000000	No
				Cr	-0.000497	0.000000	No
				Mo	0.000207	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000006	0.000000	No
				Na	0.000004	0.000000	No
	Zr 339.198 { 99}	☒	5	Si	0.005567	0.000000	No
				Ti	0.000761	0.000000	No
				Fe	0.000014	0.000000	No
				Sn	0.002851	0.000000	No
				V	0.002032	0.000000	No

```
                                Folder:   #HG21    **PUBLIC FOLDER **   Page    1
09:11:16 16 Dec 2013            Protocol:
                               ***POST-RUN REPORT***
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  212     12:43:07 13 Dec 13   HG

Hg    .000    ppb       -6                                                  =
*** Standard: 2 Rep: 1              Seq:  213     12:45:34 13 Dec 13   HG

Hg    .200    ppb      1126                                                 =
*** Standard: 3 Rep: 1              Seq:  214     12:48:12 13 Dec 13   HG

Hg    .500    ppb      2713                                                 =
*** Standard: 4 Rep: 1              Seq:  215     12:50:40 13 Dec 13   HG

Hg    1.00    ppb      5193                                                 =
*** Standard: 5 Rep: 1              Seq:  216     12:53:37 13 Dec 13   HG

Hg    2.00    ppb      10617                                                =
*** Standard: 6 Rep: 1              Seq:  217     12:56:10 13 Dec 13   HG

Hg    3.00    ppb      15314                                                =
*** Standard: 7 Rep: 1              Seq:  218     12:58:48 13 Dec 13   HG

Hg    4.00    ppb      20462                                                =
*** Standard: 8 Rep: 1              Seq:  219     13:01:20 13 Dec 13   HG

Hg    5.00    ppb      25541                                                =
*** Standard: 9 Rep: 1              Seq:  220     13:03:41 13 Dec 13   HG

Hg    6.00    ppb      29884                                                =
*** Sample ID: ICV        H2121313W1 Seq:  221     13:06:04 13 Dec 13   HG

Hg    3.92    ppb       .000      3.92                                      =
===============================================================================
*** Sample ID: ICB        H2121313W1 Seq:  222     13:08:30 13 Dec 13   HG

Hg   -.078    ppb       .000     -.078                                      =
===============================================================================
```

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCV H2121313W1 Seq: 223 13:11:04 13 Dec 13 HG								
Hg	3.10	ppb	.000	3.10				
*** Sample ID: CCB H2121313W1 Seq: 224 13:13:27 13 Dec 13 HG								
Hg	-.069	ppb	.000	-.069				
*** Sample ID: CRI H2121313W1 Seq: 225 13:15:51 13 Dec 13 HG								
Hg	.166	ppb	.000	.166				
*** Sample ID: MP22251MB1 H2121313W1 Seq: 226 13:20:32 13 Dec 13 HG								
Hg	-.045	ppb	.000	-.045				
*** Sample ID: MP22251-B1 H2121313W1 Seq: 227 13:23:17 13 Dec 13 HG								
Hg	3.16	ppb	.000	3.16				
*** Sample ID: MP22251-B2 H2121313W1 Seq: 228 13:25:55 13 Dec 13 HG								
Hg	3.06	ppb	.000	3.06				
*** Sample ID: MP22251-S1 H2121313W1 Seq: 229 13:28:18 13 Dec 13 HG MC26860-1								
Hg	3.57	ppb	.000	3.57				
*** Sample ID: MP22251-S2 H2121313W1 Seq: 230 13:30:50 13 Dec 13 HG MC26860-1								
Hg	3.69	ppb	.000	3.69				
*** Sample ID: MC26860-1 H2121313W1 Seq: 231 13:33:14 13 Dec 13 HG								
Hg	.011	ppb	.000	.011				
*** Sample ID: MC17591-1C H2121313W1 Seq: 232 13:35:56 13 Dec 13 HG								
Hg	.256	ppb	.000	.256				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC17591-2C H2121313W1 Seq: 233 13:38:27 13 Dec 13 HG								
Hg	.166	ppb	.000	.166				
*** Sample ID: MC26584-14 H2121313W1 Seq: 234 13:40:49 13 Dec 13 HG								
Hg	-.042	ppb	.000	-.042				
*** Sample ID: CCV H2121313W1 Seq: 235 13:43:10 13 Dec 13 HG								
Hg	2.92	ppb	.000	2.92				
*** Sample ID: CCB H2121313W1 Seq: 236 13:45:56 13 Dec 13 HG								
Hg	-.058	ppb	.000	-.058				
*** Sample ID: MC26584-15 H2121313W1 Seq: 237 13:48:19 13 Dec 13 HG								
Hg	-.048	ppb	.000	-.048				
*** Sample ID: MC26584-16 H2121313W1 Seq: 238 13:50:43 13 Dec 13 HG								
Hg	-.044	ppb	.000	-.044				
*** Sample ID: MC26584-21 H2121313W1 Seq: 239 13:53:25 13 Dec 13 HG								
Hg	-.048	ppb	.000	-.048				
*** Sample ID: MC26860-2 H2121313W1 Seq: 240 13:55:47 13 Dec 13 HG								
Hg	-.042	ppb	.000	-.042				
*** Sample ID: MC26926-1 H2121313W1 Seq: 241 13:58:20 13 Dec 13 HG								
Hg	-.039	ppb	.000	-.039				
*** Sample ID: MC26926-2 H2121313W1 Seq: 242 14:00:44 13 Dec 13 HG								
Hg	-.039	ppb	.000	-.039				

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: MC26926-3 H2121313W1 Seq: 243 14:03:08 13 Dec 13 HG									
Hg	-.025	ppb	.000	-.025					=
*** Sample ID: MC26947-4 H2121313W1 Seq: 244 14:05:41 13 Dec 13 HG									
Hg	-.039	ppb	.000	-.039					=
*** Sample ID: MC26964-11 H2121313W1 Seq: 245 14:08:24 13 Dec 13 HG									
Hg	-.022	ppb	.000	-.022					=
*** Sample ID: MC27036-1 H2121313W1 Seq: 246 14:11:07 13 Dec 13 HG									
Hg	-.041	ppb	.000	-.041					=
*** Sample ID: CCV H2121313W1 Seq: 247 14:13:32 13 Dec 13 HG									
Hg	3.04	ppb	.000	3.04					=
*** Sample ID: CCB H2121313W1 Seq: 248 14:16:04 13 Dec 13 HG									
Hg	-.051	ppb	.000	-.051					=
*** Sample ID: MC27036-2 H2121313W1 Seq: 249 14:18:31 13 Dec 13 HG									
Hg	-.036	ppb	.000	-.036					=
*** Sample ID: MC27036-3 H2121313W1 Seq: 250 14:20:53 13 Dec 13 HG									
Hg	-.040	ppb	.000	-.040					=
*** Sample ID: MC27036-4 H2121313W1 Seq: 251 14:23:39 13 Dec 13 HG									
Hg	.277	ppb	.000	.277					=
*** Sample ID: MC27046-1 H2121313W1 Seq: 252 14:26:14 13 Dec 13 HG									
Hg	-.041	ppb	.000	-.041					=

```
                                Folder:   #HG21    **PUBLIC FOLDER **   Page    5
09:11:16 16 Dec 2013            Protocol:
                               ***POST-RUN REPORT***
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Sample ID: MC27046-2  H2121313W1 Seq:  253    14:29:18 13 Dec 13   HG

Hg   -.040    ppb       .000     -.040
                                                                              =
================================================================================
*** Sample ID: MC27055-3  H2121313W1 Seq:  254    14:31:42 13 Dec 13   HG

Hg   -.038    ppb       .000     -.038
                                                                              =
================================================================================
*** Sample ID: MC17591-1C H2121313W1 Seq:  255    14:34:18 13 Dec 13   HG

Hg    .252    ppb       .000      .252
                                                                              =
================================================================================
*** Sample ID: CRI        H2121313W1 Seq:  256    14:36:52 13 Dec 13   HG

Hg    .155    ppb       .000      .155
                                                                              =
================================================================================
*** Sample ID: CCV        H2121313W1 Seq:  257    14:43:51 13 Dec 13   HG

Hg    2.96    ppb       .000      2.96
                                                                              =
================================================================================
*** Sample ID: CCB        H2121313W1 Seq:  258    14:46:15 13 Dec 13   HG

Hg   -.068    ppb       .000     -.068
                                                                              =
```

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 12/12/2013 17:17:35 Type: Cal
Method: Accutest -SS1 with S(v271) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0020**	**-.0016**	**-.0001**	**.0000**	**.0008**	**.0137**	**.0004**	**.0026**	**.0017**
Stddev	.0001	.0002	.0000	.0000	.0000	.0001	.0003	.0001	.0000
%RSD	2.595	10.08	28.88	3.617	5.165	1.011	80.75	3.388	1.970
#1	-.0020	-.0018	-.0001	.0000	.0008	.0136	.0002	.0026	.0017
#2	-.0020	-.0015	-.0001	.0000	.0007	.0138	.0007	.0027	.0017

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0005**	**.0000**	**.0006**	**.0005**	**-.0011**	**-.0001**	**.0003**	**-.0003**	**.0348**
Stddev	.0000	.000	.0001	.0000	.0002	.0006	.0001	.0000	.0006
%RSD	7.327	131.2	14.57	7.108	21.60	498.1	17.75	12.34	1.688
#1	-.0005	.0000	.0006	.0005	-.0013	-.0005	.0003	-.0003	.0343
#2	-.0005	.0000	.0007	.0004	-.0009	.0003	.0004	-.0003	.0352

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**-.0003**	**.0003**	**.0000**	**-.0006**	**.0005**	**.0002**	**.0084**	**-.0003**
Stddev	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0000
%RSD	16.39	11.79	14.07	68.98	6.567	19.73	49.21	1.181	13.82
#1	-.0003	-.0003	.0003	.0001	-.0007	.0004	.0002	.0083	-.0003
#2	-.0002	-.0003	.0004	.0000	-.0006	.0006	.0001	.0084	-.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0053**	**-.0003**	**-.0007**	**.0001**	**.0001**	**-.0005**	**.0106**
Stddev	.0000	.0001	.0001	.0000	.0000	.0001	.0000
%RSD	.1665	24.31	16.36	22.60	14.21	22.79	.4391
#1	.0053	-.0004	-.0008	.0001	.0001	-.0006	.0105
#2	.0053	-.0003	-.0007	.0001	.0001	-.0004	.0106

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 12/12/2013 17:17:35 Type: Cal
Method: Accutest -SS1 with S(v271) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4198.7**	**109500.**	**8313.8**
Stddev	78.8	215.	42.7
%RSD	1.8766	.19617	.51404
#1	4254.4	109660.	8283.6
#2	4143.0	109350.	8344.0

Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 12/12/2013 17:22:31 Type: Cal
Method: Accutest -SS1 with S(v271) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1301**	**.5618**	**2.207**	**14.63**	**17.41**	**10.80**	**8.654**	**.5252**	**1.637**
Stddev	.0000	.0004	.003	.32	.42	.03	.016	.0011	.000
%RSD	.0104	.0674	.1337	2.217	2.418	.3183	.1790	.2145	.0008
#1	.1301	.5620	2.205	14.86	17.70	10.78	8.643	.5244	1.637
#2	.1301	.5615	2.209	14.40	17.11	10.83	8.665	.5260	1.637

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.618**	**4.492**	**5.857**	**1.426**	**.7497**	**.3972**	**.8059**	**9.087**
Stddev	.012	.016	.001	.000	.0011	.0008	.0000	.014
%RSD	.3273	.3586	.0185	.0211	.1460	.2072	.0001	.1538
#1	3.609	4.481	5.858	1.425	.7489	.3966	.8059	9.077
#2	3.626	4.504	5.856	1.426	.7505	.3978	.8059	9.097

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4162.5**	**108060.**	**8504.1**
Stddev	.5	168.	316.2
%RSD	.01243	.15545	3.7180
#1	4162.8	107940.	8280.5
#2	4162.1	108180.	8727.7

Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 12/12/2013 17:27:25 Type: Cal
Method: Accutest -SS1 with S(v271) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.042**	**2.260**	**1.218**	**1.037**	**.1674**	**3.687**
Stddev	.003	.005	.003	.002	.0003	.002
%RSD	.2792	.2232	.2668	.1884	.1580	.0662
#1	1.040	2.257	1.220	1.036	.1672	3.686
#2	1.044	2.264	1.216	1.039	.1676	3.689

Int. Std.	Y_3710
Units	Cts/S
Avg	**8271.8**
Stddev	14.2
%RSD	.17210
#1	8281.9
#2	8261.8

Zoom In Zoom Out

Sample Name: Std4 Acquired: 12/12/2013 17:32:21 Type: Cal
Method: Accutest -SS1 with S(v271) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	S_1820	Si2124	Sn1899	Sr4077	Ti3349	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1526**	**.3146**	**.0583**	**.1496**	**1.401**	**1.722**	**32.32**	**1.370**	**.6205**
Stddev	.0005	.0001	.0001	.0004	.002	.004	4.04	.007	.0021
%RSD	.3566	.0433	.1759	.2747	.1344	.2082	12.52	.5040	.3428
#1	.1530	.3145	.0584	.1493	1.399	1.724	29.46	1.375	.6220
#2	.1522	.3147	.0582	.1499	1.402	1.719	35.18	1.366	.6190

Elem	W_2397	Zr3391
Units	Cts/S	Cts/S
Avg	**.0562**	**1.252**
Stddev	.0000	.005
%RSD	.0706	.3924
#1	.0562	1.256
#2	.0561	1.249

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4241.3**	**108660.**	**7775.6**
Stddev	14.5	41.	875.0
%RSD	.34253	.03786	11.253
#1	4231.0	108690.	8394.4
#2	4251.5	108630.	7156.9

Zoom In Zoom Out

Sample Name: ICV Acquired: 12/12/2013 17:37:12 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.4906**	**15.96**	**3.006**	**2.911**	**2.985**	**3.153**	**3.115**	**18.00**	**2.947**
Stddev	.0010	.25	.017	.015	.019	.040	.056	.31	.013
%RSD	.1943	1.595	.5550	.5024	.6247	1.274	1.788	1.705	.4289
#1	.4913	16.14	2.994	2.921	2.972	3.181	3.154	18.22	2.938
#2	.4899	15.78	3.018	2.901	2.998	3.124	3.075	17.79	2.956

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.956**	**2.975**	**2.827**	**18.21**	**15.20**	**18.48**	**2.986**	**2.848**	**15.25**
Stddev	.017	.017	.007	.33	.21	.25	.004	.025	.22
%RSD	.5723	.5722	.2415	1.834	1.393	1.346	.1401	.8657	1.473
#1	2.944	2.987	2.832	18.44	15.35	18.66	2.989	2.831	15.41
#2	2.968	2.963	2.823	17.97	15.05	18.31	2.983	2.866	15.09

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**2.844**	**2.880**	**2.982**	**2.937**	**3.011**	**2.948**	**2.975**	**3.025**	**3.147**
Stddev	.022	.020	.004	.001	.031	.015	.017	.017	.021
%RSD	.7683	.6896	.1242	.0195	1.021	.5099	.5591	.5629	.6583
#1	2.829	2.866	2.985	2.937	2.989	2.938	2.963	3.013	3.133
#2	2.860	2.894	2.980	2.938	3.033	2.959	2.987	3.037	3.162

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**2.808**	**2.954**	**2.935**	**2.905**	**2.937**	**2.909**	**3.093**
Stddev	.044	.012	.021	.010	.010	.017	.019
%RSD	1.563	.4214	.6988	.3348	.3552	.5700	.6022
#1	2.839	2.962	2.920	2.912	2.930	2.898	3.106
#2	2.777	2.945	2.949	2.898	2.944	2.921	3.079

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4152.0**	**108610.**	**8191.5**
Stddev	14.9	390.	98.4
%RSD	.35766	.35927	1.2014
#1	4162.5	108340.	8121.9
#2	4141.5	108890.	8261.1

Zoom In Zoom Out

Sample Name: ICB Acquired: 12/12/2013 17:47:00 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.0025**	**.0003**	**-.0001**	**.0007**	**-.0001**	**.0001**	**-.0010**	**.0001**
Stddev	.0000	.0031	.0000	.0008	.0004	.0000	.0000	.0042	.0001
%RSD	9.789	126.4	13.64	785.7	55.07	23.34	52.44	421.1	132.7
#1	-.0002	.0003	.0003	.0004	.0010	-.0001	.0001	.0020	.0001
#2	-.0002	.0047	.0004	-.0006	.0004	-.0002	.0000	-.0040	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0002**	**.0000**	**.0021**	**.0040**	**.0096**	**.0000**	**.0014**	**-.0410**
Stddev	.0000	.0001	.000	.0007	.0003	.0231	.0000	.0001	.0021
%RSD	6.293	57.79	2.824	35.06	7.254	241.5	43.39	8.477	5.080
#1	.0001	.0001	.0000	.0026	.0042	.0259	.0000	.0015	-.0425
#2	.0001	.0002	.0000	.0015	.0038	-.0068	.0000	.0014	-.0396

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**-.0001**	**-.0006**	**.0003**	**-.0010**	**-.0007**	**.0004**	**.0015**	**.0005**
Stddev	.0000	.0001	.0007	.0008	.0015	.0001	.0007	.0000	.0001
%RSD	28.30	153.3	122.4	234.1	157.5	8.649	172.1	2.778	24.15
#1	.0002	.0000	-.0001	.0009	-.0021	-.0008	.0010	.0015	.0006
#2	.0001	-.0001	-.0011	-.0002	.0001	-.0007	-.0001	.0014	.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0002**	**.0002**	**-.0001**	**.0076**	**.0001**	**.0002**
Stddev	.0001	.0001	.0003	.0001	.0004	.0000	.0002
%RSD	537.5	47.21	121.2	192.6	5.321	33.73	89.49
#1	.0000	.0002	.0000	.0000	.0073	.0001	.0004
#2	.0001	.0003	.0004	-.0002	.0079	.0001	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4174.3**	**109260.**	**8211.7**
Stddev	9.0	443.	59.3
%RSD	.21664	.40502	.72188
#1	4180.7	108950.	8169.8
#2	4167.9	109580.	8253.6

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 17:53:54 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2422**	**9.987**	**1.952**	**-.0021**	**1.945**	**2.042**	**2.062**	**9.978**	**1.951**
Stddev	.0001	.028	.002	.0013	.002	.004	.012	.011	.001
%RSD	.0371	.2827	.0779	59.58	.1178	.2126	.5700	.1099	.0482
#1	.2421	10.01	1.951	-.0031	1.943	2.039	2.070	9.986	1.952
#2	.2423	9.967	1.953	-.0012	1.946	2.045	2.053	9.970	1.950

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.029**	**1.913**	**1.886**	**9.931**	**9.984**	**9.964**	**1.968**	**1.943**	**9.958**
Stddev	.002	.011	.001	.061	.036	.036	.003	.006	.008
%RSD	.1019	.5808	.0348	.6147	.3568	.3623	.1533	.3236	.0799
#1	2.027	1.921	1.886	9.975	9.959	9.990	1.970	1.939	9.952
#2	2.030	1.905	1.887	9.888	10.01	9.939	1.966	1.948	9.963

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.931**	**1.919**	**.0011**	**-.0063**	**.0002**	**1.955**	**1.948**	**.0349**	**1.961**
Stddev	.004	.002	.0003	.0009	.0004	.000	.003	.0006	.004
%RSD	.2349	.0779	22.55	14.21	179.6	.0198	.1575	1.729	.1967
#1	1.928	1.918	.0013	-.0057	.0006	1.955	1.946	.0353	1.958
#2	1.934	1.920	.0009	-.0070	-.0001	1.955	1.950	.0345	1.964

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.847**	**1.923**	**1.940**	**1.923**	**-.0008**	**1.939**	**.0333**
Stddev	.009	.010	.003	.007	.0016	.005	.0072
%RSD	.4788	.5337	.1596	.3454	189.8	.2608	21.50
#1	1.854	1.930	1.938	1.928	.0003	1.935	.0384
#2	1.841	1.916	1.943	1.919	-.0019	1.943	.0283

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4198.9**	**109770.**	**8275.5**
Stddev	4.0	209.	36.4
%RSD	.09631	.19053	.43936
#1	4196.1	109620.	8301.2
#2	4201.8	109920.	8249.8

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 18:00:45 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.0009**	**.0003**	**.0005**	**.0010**	**-.0002**	**-.0001**	**.0002**	**.0000**
Stddev	.0003	.0010	.0007	.0006	.0002	.0001	.0000	.0017	.0000
%RSD	124.1	107.8	266.7	111.3	20.88	71.54	16.35	1063.	40.74
#1	-.0004	.0016	-.0002	.0009	.0009	-.0003	-.0001	.0014	.0001
#2	.0000	.0002	.0007	.0001	.0012	-.0001	-.0001	-.0011	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0000**	**-.0001**	**-.0001**	**-.0252**	**.0034**	**.0000**	**.0017**	**-.0238**
Stddev	.0001	.000	.0002	.0032	.0340	.0030	.000	.0001	.0072
%RSD	43.48	23540.	225.3	2786.	134.5	87.37	14.80	8.641	30.15
#1	.0003	-.0001	-.0003	.0022	-.0012	.0013	.0000	.0018	-.0289
#2	.0001	.0001	.0001	-.0024	-.0492	.0055	.0000	.0016	-.0187

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**-.0001**	**-.0006**	**.0012**	**.0007**	**-.0007**	**.0010**	**.0002**	**.0003**
Stddev	.0001	.0002	.0001	.0001	.0012	.0003	.0002	.0001	.0002
%RSD	86.74	450.6	23.43	12.29	184.7	39.07	19.97	48.09	68.14
#1	.0000	.0001	-.0007	.0011	-.0002	-.0009	.0011	.0001	.0005
#2	.0002	-.0002	-.0005	.0013	.0015	-.0005	.0008	.0002	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0001**	**.0007**	**-.0001**	**.0017**	**.0001**	**.0001**
Stddev	.0001	.0002	.0002	.0001	.0026	.0001	.0002
%RSD	79.96	355.7	27.11	183.0	155.0	115.4	294.3
#1	.0001	-.0001	.0008	.0000	.0035	.0000	.0003
#2	.0000	.0002	.0005	-.0001	-.0002	.0001	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4214.0**	**109020.**	**8288.0**
Stddev	9.2	84.	51.3
%RSD	.21879	.07720	.61906
#1	4207.5	109080.	8324.3
#2	4220.6	108960.	8251.7

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 18:05:41 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.0009**	**.0029**	**.0002**	**.0009**	**-.0002**	**-.0001**	**.0007**	**.0000**
Stddev	.000	.0046	.0008	.0001	.0001	.0001	.0000	.0054	.0001
%RSD	208.5	491.7	26.05	35.27	14.37	62.53	74.01	754.5	253.1
#1	.0000	-.0023	.0023	.0001	.0008	-.0001	-.0001	.0046	.0001
#2	-.0001	.0042	.0034	.0002	.0010	-.0002	.0000	-.0031	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0055**	**-.0003**	**.0000**	**-.0317**	**.0008**	**-.0001**	**.0009**	**-.0441**
Stddev	.0000	.0001	.0002	.002	.0512	.0047	.0000	.0000	.0200
%RSD	.2915	2.265	76.83	6785.	161.3	591.4	32.02	.3811	45.22
#1	.0001	.0054	-.0005	-.0016	.0045	.0041	-.0001	.0009	-.0300
#2	.0001	.0056	-.0001	.0015	-.0679	-.0025	.0000	.0009	-.0583

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0002**	**.0033**	**-.0004**	**.0001**	**-.0005**	**-.0004**	**.0002**	**.0027**	**.0003**
Stddev	.0000	.0011	.0004	.0032	.0003	.0003	.0006	.0001	.0001
%RSD	20.42	32.92	107.9	5667.	61.07	64.03	341.6	4.292	37.32
#1	.0002	.0026	-.0001	.0023	-.0003	-.0002	-.0002	.0027	.0002
#2	.0003	.0041	-.0006	-.0022	-.0007	-.0006	.0006	.0026	.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0003**	**.0019**	**-.0001**	**.0010**	**.0000**	**.0002**
Stddev	.0001	.0002	.0002	.0004	.0031	.000	.0004
%RSD	166.3	57.58	11.04	448.3	315.9	118.4	254.0
#1	.0002	.0002	.0020	-.0004	-.0012	.0000	-.0001
#2	.0000	.0004	.0017	.0002	.0032	-.0001	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4163.7**	**108760.**	**8245.0**
Stddev	40.8	644.	43.3
%RSD	.98029	.59235	.52497
#1	4192.6	109220.	8275.6
#2	4134.9	108310.	8214.4

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 18:10:37 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0022**	**.0050**	**.0015**	**-.0002**	**.0008**	**.0211**	**.0011**	**-.0017**	**.0000**
Stddev	.0002	.0113	.0006	.0006	.0000	.0001	.0000	.0047	.000
%RSD	8.124	225.1	41.23	289.1	1.507	.6418	.6963	275.7	249.6
#1	.0023	.0130	.0011	-.0006	.0008	.0210	.0011	.0016	-.0001
#2	.0021	-.0030	.0019	.0002	.0008	.0212	.0011	-.0050	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0011**	**.0102**	**-.0014**	**-.0217**	**.0220**	**-.0001**	**.0006**	**-.0534**
Stddev	.0000	.0000	.0003	.0025	.0163	.0080	.0000	.0000	.0033
%RSD	58.00	3.845	2.535	186.4	75.05	36.52	11.15	7.634	6.103
#1	.0001	.0010	.0103	-.0032	-.0102	.0163	.0000	.0006	-.0557
#2	.0000	.0011	.0100	.0004	-.0333	.0277	-.0001	.0006	-.0511

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0106**	**.0008**	**-.0004**	**.0006**	**.0010**	**.0026**	**.0054**	**.0040**	**.0006**
Stddev	.0001	.0003	.0002	.0025	.0004	.0000	.0001	.0000	.0001
%RSD	1.119	35.63	48.70	393.3	40.13	1.024	2.591	.2754	25.28
#1	.0107	.0006	-.0005	.0024	.0007	.0026	.0055	.0040	.0005
#2	.0106	.0011	-.0002	-.0011	.0013	.0026	.0053	.0040	.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0045**	**.0002**	**.0004**	**.0033**	**.0006**	**-.0002**
Stddev	.0000	.0001	.0001	.0002	.0035	.0003	.0001
%RSD	12.25	2.276	41.02	36.29	107.1	56.77	53.16
#1	.0000	.0046	.0002	.0003	.0058	.0008	-.0003
#2	.0000	.0045	.0001	.0005	.0008	.0003	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4182.2**	**109260.**	**8383.4**
Stddev	12.9	264.	18.6
%RSD	.30824	.24142	.22136
#1	4173.1	109440.	8370.3
#2	4191.3	109070.	8396.5

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 18:15:33 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0051**	**.2124**	**.0041**	**.0001**	**.1000**	**.0511**	**.0041**	**4.931**	**.0041**
Stddev	.0003	.0009	.0006	.0003	.0002	.0001	.0001	.011	.0000
%RSD	6.737	.4310	15.05	231.4	.1544	.2793	2.008	.2147	.9912
#1	.0053	.2131	.0045	.0003	.0999	.0510	.0040	4.939	.0041
#2	.0049	.2118	.0036	-.0001	.1001	.0512	.0042	4.924	.0042

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0521**	**.0102**	**.0231**	**.1012**	**4.978**	**4.886**	**.0153**	**.1009**	**4.985**
Stddev	.0000	.0003	.0002	.0001	.022	.068	.0001	.0003	.000
%RSD	.0064	2.600	1.068	.0763	.4377	1.394	.4756	.2543	.0054
#1	.0521	.0104	.0229	.1011	4.962	4.838	.0152	.1007	4.986
#2	.0521	.0100	.0232	.1012	4.993	4.935	.0153	.1010	4.985

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0403**	**.0045**	**-.0008**	**.0032**	**-.0002**	**.0059**	**.0111**	**.0186**	**.0999**
Stddev	.0002	.0002	.0003	.0013	.0022	.0004	.0006	.0002	.0003
%RSD	.4280	3.654	39.82	40.01	908.4	7.300	5.252	1.306	.2503
#1	.0402	.0046	-.0010	.0023	-.0018	.0056	.0107	.0185	.0997
#2	.0404	.0044	-.0006	.0041	.0013	.0062	.0115	.0188	.1001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0092**	**.0496**	**.0042**	**.0099**	**.0020**	**.0208**	**.0002**
Stddev	.0001	.0004	.0002	.0004	.0008	.0001	.0004
%RSD	.7260	.7999	5.042	4.331	43.08	.4571	207.2
#1	.0093	.0493	.0040	.0096	.0014	.0208	-.0001
#2	.0092	.0499	.0043	.0102	.0025	.0209	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4160.4**	**108700.**	**8263.4**
Stddev	1.0	661.	32.6
%RSD	.02476	.60770	.39462
#1	4159.6	109170.	8240.3
#2	4161.1	108240.	8286.4

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/12/2013 18:20:23 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0002	541.8	.0001	-.0033	.0012	.0001	.0001	458.7	-.0001
Stddev	.0004	3.3	.0005	.0009	.0007	.0001	.0000	4.4	.0000
%RSD	227.2	.6032	506.4	26.37	54.65	46.02	76.80	.9639	34.36
#1	.0004	544.1	.0005	-.0039	.0008	.0002	.0000	461.9	-.0002
#2	-.0001	539.5	-.0003	-.0027	.0017	.0001	.0001	455.6	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	-.0001	.0008	187.6	.0866	510.3	-.0004	-.0025	-.0041
Stddev	.0003	.0002	.0002	.7	.0112	3.9	.0001	.0000	.0257
%RSD	114.2	237.5	20.45	.3811	12.96	.7623	15.44	1.569	627.2
#1	.0000	.0001	.0009	188.1	.0946	513.1	-.0005	-.0025	.0141
#2	.0004	-.0002	.0007	187.1	.0787	507.6	-.0004	-.0025	-.0223

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0024	.0020	-.0069	-.0006	.0974	-.0006	.0031	.0351	-.0017
Stddev	.0002	.0004	.0000	.0005	.0030	.0011	.0023	.0000	.0001
%RSD	6.432	18.03	.2484	96.70	3.115	177.9	74.97	.0434	7.636
#1	-.0025	.0023	-.0068	-.0009	.0995	-.0014	.0047	.0351	-.0018
#2	-.0023	.0018	-.0069	-.0002	.0952	.0002	.0014	.0351	-.0017

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0079	.0051	-.0007	-.0003	-.0124	.0008	.0017
Stddev	.0001	.0004	.0005	.0009	.0039	.0002	.0003
%RSD	.9327	7.363	72.02	277.7	31.64	19.54	18.87
#1	-.0079	.0049	-.0003	-.0009	-.0096	.0007	.0014
#2	-.0078	.0054	-.0010	.0003	-.0152	.0009	.0019

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3803.8	101860.	7950.2
Stddev	31.8	642.	41.5
%RSD	.83553	.63020	.52206
#1	3826.3	102310.	7920.9
#2	3781.3	101410.	7979.6

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/12/2013 18:25:17 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	1.026	531.3	2.096	.4747	.9515	.5257	.4836	446.9	1.009
Stddev	.002	.9	.001	.0030	.0005	.0010	.0005	6.4	.000
%RSD	.1427	.1778	.0659	.6275	.0502	.1828	.0934	1.440	.0253
#1	1.027	530.7	2.097	.4768	.9511	.5250	.4840	442.4	1.008
#2	1.025	532.0	2.095	.4726	.9518	.5264	.4833	451.5	1.009

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.4608	.4563	.4756	186.4	.0507	500.3	.4665	.9420	-.0145
Stddev	.0006	.0025	.0052	.6	.0236	1.2	.0033	.0026	.0181
%RSD	.1267	.5485	1.098	.3402	46.51	.2330	.7133	.2722	124.3
#1	.4604	.4580	.4793	186.8	.0341	499.5	.4688	.9402	-.0273
#2	.4612	.4545	.4719	185.9	.0674	501.1	.4641	.9438	-.0018

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.8323	.8542	.5073	.4845	.5037	2.024	2.009	4.430	.9247
Stddev	.0009	.0001	.0034	.0040	.0002	.001	.002	.001	.0005
%RSD	.1057	.0175	.6797	.8193	.0441	.0466	.1010	.0203	.0542
#1	.8317	.8543	.5097	.4873	.5038	2.025	2.010	4.430	.9250
#2	.8329	.8541	.5048	.4817	.5035	2.024	2.007	4.431	.9243

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.9018	.4726	1.772	.4736	1.938	.8921	.3787
Stddev	.0024	.0021	.001	.0039	.005	.0019	.0022
%RSD	.2625	.4494	.0348	.8269	.2383	.2157	.5883
#1	.9001	.4741	1.772	.4764	1.941	.8907	.3803
#2	.9035	.4711	1.772	.4708	1.934	.8934	.3771

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3778.4	101070.	8037.5
Stddev	2.2	516.	16.3
%RSD	.05847	.51078	.20314
#1	3776.9	100700.	8049.1
#2	3780.0	101430.	8026.0

Zoom In Zoom Out

Sample Name: MP22226-PS1 Acquired: 12/12/2013 18:30:06 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0001	.2022	.0055	-.0002	.4572	.0096	.0000	43.27	.0002
Stddev	.0002	.0292	.0005	.0009	.0008	.0002	.000	.10	.0000
%RSD	371.3	14.43	8.504	514.8	.1817	1.918	454.3	.2222	8.788
#1	-.0001	.2228	.0052	-.0008	.4566	.0097	.0001	43.34	.0002
#2	.0002	.1816	.0058	.0005	.4578	.0094	-.0001	43.20	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0000	.0021	.0000	.6775	24.64	27.81	.0149	.0033	F 234.8
Stddev	.000	.0001	.000	.0007	.05	.14	.0001	.0005	1.9
%RSD	110.3	2.654	3158.	.0976	.1897	.5093	.5603	15.58	.8127
#1	.0000	.0021	-.0003	.6780	24.68	27.91	.0148	.0036	233.4
#2	.0000	.0020	.0003	.6770	24.61	27.71	.0150	.0029	236.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0000	-.0001	-.0028	.0021	3.362	.0004	.0224	13.74	.0001
Stddev	.000	.0002	.0020	.0030	.001	.0003	.0012	.00	.0002
%RSD	559.4	229.8	71.56	140.3	.0411	73.99	5.196	.0323	170.1
#1	.0001	-.0003	-.0043	.0000	3.361	.0006	.0232	13.74	.0000
#2	-.0002	.0001	-.0014	.0042	3.363	.0002	.0216	13.75	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.2824	.0086	.0004	.0048	.0110	.0025	-.0541
Stddev	.0008	.0001	.0005	.0001	.0028	.0000	.0004
%RSD	.2891	1.097	112.3	2.464	25.72	.1763	.7711
#1	.2830	.0086	.0008	.0049	.0130	.0025	-.0538
#2	.2818	.0087	.0001	.0047	.0090	.0025	-.0544

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3971.9	104070.	8196.7
Stddev	.4	1275.	8.4
%RSD	.00925	1.2254	.10206
#1	3971.6	104970.	8190.8
#2	3972.1	103170.	8202.6

Zoom In Zoom Out

Sample Name: MP22226-S1 Acquired: 12/12/2013 18:35:04 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2048	2.683	.5672	.0037	.4884	2.180	.5475	72.69	.5385
Stddev	.0040	.011	.0039	.0086	.0015	.024	.0066	.74	.0029
%RSD	1.937	.4240	.6841	234.4	.2971	1.076	1.201	1.014	.5340
#1	.2077	2.675	.5699	-.0024	.4895	2.197	.5521	73.21	.5405
#2	.2020	2.691	.5644	.0097	.4874	2.164	.5428	72.17	.5365

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5409	.5262	.4762	2.921	53.15	56.52	.5360	.0066	281.7
Stddev	.0049	.0180	.0109	.025	.67	.82	.0183	.0016	2.7
%RSD	.9025	3.421	2.279	.8397	1.264	1.449	3.410	23.85	.9428
#1	.5444	.5390	.4839	2.938	53.62	57.10	.5489	.0077	283.6
#2	.5375	.5135	.4685	2.903	52.67	55.94	.5230	.0054	279.9

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.5082	1.021	-.0161	.0155	3.049	.5296	.2856	14.44	.0008
Stddev	.0047	.014	.0032	.0338	.029	.0044	.0133	.06	.0005
%RSD	.9206	1.388	19.54	218.5	.9367	.8389	4.650	.4020	63.36
#1	.5115	1.031	-.0139	-.0084	3.069	.5328	.2950	14.48	.0005
#2	.5049	1.011	-.0184	.0394	3.029	.5265	.2762	14.40	.0012

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.7788	.5128	.5299	.5380	.0003	.5611	-.0509
Stddev	.0058	.0150	.0126	.0095	.0339	.0035	.0088
%RSD	.7402	2.928	2.372	1.758	10690.	.6318	17.21
#1	.7829	.5234	.5388	.5447	.0243	.5636	-.0447
#2	.7747	.5021	.5211	.5313	-.0236	.5586	-.0571

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4169.4	110360.	8297.8
Stddev	23.0	2901.	146.3
%RSD	.55231	2.6287	1.7625
#1	4153.2	108310.	8194.3
#2	4185.7	112420.	8401.2

Zoom In Zoom Out

Sample Name: MP22226-S2 Acquired: 12/12/2013 18:39:55 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.1994**	**2.360**	**.5586**	**-.0078**	**.4765**	**2.136**	**.5321**	**70.53**	**.5284**
Stddev	.0030	.069	.0092	.0146	.0010	.002	.0009	.06	.0032
%RSD	1.496	2.915	1.644	187.2	.2021	.1022	.1725	.0920	.6057
#1	.1973	2.409	.5651	-.0181	.4771	2.138	.5315	70.58	.5306
#2	.2015	2.311	.5522	.0025	.4758	2.135	.5328	70.49	.5261

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5323**	**.5199**	**.4777**	**2.771**	**51.70**	**55.42**	**.5321**	**.0042**	**273.7**
Stddev	.0047	.0028	.0054	.007	.10	.42	.0025	.0003	.3
%RSD	.8868	.5310	1.122	.2605	.1988	.7562	.4687	8.236	.1031
#1	.5356	.5218	.4815	2.776	51.77	55.12	.5338	.0039	273.5
#2	.5290	.5179	.4739	2.766	51.62	55.71	.5303	.0044	273.9

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.5034**	**1.017**	**-.0039**	**-.0001**	**3.010**	**.5264**	**.2822**	**14.17**	**.0001**
Stddev	.0044	.001	.0154	.0026	.001	.0032	.0140	.14	.0015
%RSD	.8834	.1414	390.1	1788.	.0406	.6117	4.950	.9817	1583.
#1	.5065	1.018	.0069	-.0020	3.011	.5242	.2723	14.27	-.0010
#2	.5002	1.016	-.0148	.0017	3.009	.5287	.2921	14.07	.0011

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.7552**	**.5124**	**.5241**	**.5356**	**-.0070**	**.5513**	**-.0597**
Stddev	.0007	.0046	.0014	.0013	.0123	.0046	.0043
%RSD	.0980	.8893	.2695	.2427	174.8	.8429	7.269
#1	.7558	.5157	.5251	.5365	-.0157	.5546	-.0628
#2	.7547	.5092	.5231	.5346	.0017	.5480	-.0567

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4164.9**	**109620.**	**8337.1**
Stddev	23.3	471.	47.8
%RSD	.55853	.43000	.57344
#1	4148.5	109290.	8371.0
#2	4181.4	109950.	8303.3

Zoom In Zoom Out

Sample Name: JB53625-10 Acquired: 12/12/2013 18:44:45 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.2195**	**.0050**	**.0018**	**.4650**	**.0089**	**.0000**	**44.21**	**.0005**
Stddev	.002	.0405	.0011	.0034	.0027	.0004	.0003	.11	.0002
%RSD	6928.	18.45	21.96	190.0	.5840	4.507	2297.	.2414	45.08
#1	.0013	.1909	.0058	-.0006	.4669	.0086	-.0002	44.13	.0004
#2	-.0014	.2482	.0043	.0042	.4631	.0092	.0002	44.28	.0007

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0015**	**-.0001**	**.6693**	**24.80**	**28.30**	**.0151**	**.0024**	**242.0**
Stddev	.0002	.0001	.0010	.0011	.13	.13	.0003	.0000	.6
%RSD	130.4	9.462	982.2	.1678	.5361	.4594	1.988	1.226	.2399
#1	.0000	.0016	-.0008	.6685	24.71	28.39	.0153	.0024	241.6
#2	.0003	.0014	.0006	.6701	24.89	28.21	.0149	.0024	242.5

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0022**	**.0005**	**-.0044**	**-.0017**	**3.360**	**.0011**	**.0029**	**13.73**	**.0015**
Stddev	.0001	.0034	.0009	.0039	.004	.0010	.0032	.01	.0010
%RSD	4.572	722.7	19.73	231.0	.1344	90.75	110.3	.0967	69.54
#1	.0023	-.0019	-.0050	.0011	3.364	.0004	.0052	13.74	.0022
#2	.0021	.0029	-.0037	-.0045	3.357	.0018	.0006	13.72	.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2849**	**.0081**	**.0002**	**.0036**	**-.0002**	**.0168**	**-.0722**
Stddev	.0005	.0012	.0015	.0001	.0056	.0004	.0013
%RSD	.1686	15.00	600.4	2.209	2765.	2.374	1.775
#1	.2846	.0089	-.0008	.0035	-.0042	.0166	-.0732
#2	.2853	.0072	.0013	.0036	.0038	.0171	-.0713

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4128.4**	**108400.**	**8312.1**
Stddev	9.7	532.	25.0
%RSD	.23503	.49034	.30077
#1	4121.5	108780.	8329.8
#2	4135.3	108030.	8294.4

Zoom In Zoom Out

Sample Name: MP22226-SD1 Acquired: 12/12/2013 18:49:40 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 25X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0088**	**.2798**	**.0021**	**-.0171**	**.4810**	**.0060**	**-.0011**	**44.98**	**.0002**
Stddev	.0013	.0376	.0031	.0079	.0130	.0026	.0003	.19	.0003
%RSD	15.20	13.44	142.3	45.84	2.700	42.31	27.86	.4288	155.2
#1	-.0079	.2532	.0000	-.0227	.4718	.0042	-.0009	44.85	.0000
#2	-.0098	.3064	.0043	-.0116	.4902	.0078	-.0013	45.12	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0087**	**-.0003**	**.7301**	**24.65**	**28.01**	**.0141**	**.0051**	**245.4**
Stddev	.0014	.0020	.0019	.0846	.49	.38	.0013	.0023	.1
%RSD	734.6	23.07	702.8	11.59	1.972	1.372	9.458	44.64	.0425
#1	.0011	.0073	-.0016	.6703	24.99	27.74	.0132	.0068	245.4
#2	-.0008	.0101	.0011	.7900	24.31	28.28	.0151	.0035	245.5

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0040**	**-.0022**	**-.0007**	**.0989**	**3.392**	**-.0062**	**.0188**	**13.84**	**.0103**
Stddev	.0006	.0029	.0043	.0805	.021	.0197	.0172	.14	.0007
%RSD	14.25	129.2	603.5	81.38	.6201	317.8	91.43	1.037	6.604
#1	.0036	-.0002	.0023	.0420	3.377	.0077	.0066	13.73	.0098
#2	.0044	-.0043	-.0037	.1558	3.407	-.0202	.0309	13.94	.0108

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2843**	**.0148**	**-.0045**	**.0026**	**.0222**	**.0460**	**-.0768**
Stddev	.0004	.0020	.0078	.0031	.0201	.0022	.0034
%RSD	.1349	13.75	175.4	116.4	90.50	4.681	4.391
#1	.2840	.0134	.0011	.0005	.0080	.0445	-.0791
#2	.2846	.0163	-.0100	.0048	.0364	.0475	-.0744

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4143.0**	**109170.**	**8356.6**
Stddev	36.6	740.	18.2
%RSD	.88405	.67784	.21732
#1	4168.9	109690.	8369.5
#2	4117.1	108650.	8343.8

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 18:54:37 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2434**	**9.952**	**1.957**	**-.0023**	**1.954**	**2.030**	**2.062**	**10.05**	**1.966**
Stddev	.0004	.001	.009	.0005	.008	.000	.004	.03	.009
%RSD	.1566	.0082	.4343	22.03	.3873	.0000	.2047	.2900	.4685
#1	.2437	9.951	1.963	-.0026	1.960	2.030	2.065	10.03	1.972
#2	.2432	9.952	1.950	-.0019	1.949	2.030	2.059	10.07	1.959

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.041**	**1.920**	**1.877**	**9.966**	**10.04**	**10.03**	**1.969**	**1.954**	**10.01**
Stddev	.007	.005	.008	.033	.03	.06	.013	.003	.00
%RSD	.3478	.2652	.4358	.3262	.3029	.6468	.6701	.1719	.0016
#1	2.046	1.916	1.871	9.943	10.02	10.07	1.959	1.956	10.01
#2	2.036	1.924	1.883	9.989	10.06	9.982	1.978	1.951	10.01

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.941**	**1.927**	**.0001**	**-.0087**	**.0004**	**1.964**	**1.961**	**.0076**	**1.977**
Stddev	.005	.005	.0002	.0026	.0012	.009	.007	.0008	.008
%RSD	.2789	.2553	238.9	30.18	320.2	.4607	.3437	10.77	.4142
#1	1.945	1.931	-.0001	-.0105	-.0005	1.971	1.966	.0082	1.983
#2	1.937	1.924	.0002	-.0068	.0013	1.958	1.956	.0070	1.972

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.843**	**1.932**	**1.947**	**1.931**	**-.0046**	**1.954**	**.0295**
Stddev	.005	.007	.005	.006	.0018	.006	.0046
%RSD	.2518	.3504	.2408	.3200	38.71	.3112	15.48
#1	1.847	1.927	1.950	1.927	-.0033	1.958	.0327
#2	1.840	1.936	1.944	1.936	-.0059	1.950	.0263

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4200.9**	**110010.**	**8199.9**
Stddev	20.4	1057.	11.9
%RSD	.48613	.96067	.14523
#1	4186.5	110750.	8191.5
#2	4215.4	109260.	8208.4

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 18:59:20 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0001**	**.0126**	**.0005**	**.0002**	**.0014**	**-.0001**	**.0000**	**.0019**	**.0003**
Stddev	.0001	.0077	.0000	.0012	.0001	.0001	.0000	.0013	.0000
%RSD	73.55	61.19	3.156	622.7	5.426	50.28	37.74	68.86	2.163
#1	.0000	.0071	.0005	-.0007	.0015	-.0002	.0000	.0010	.0002
#2	.0001	.0181	.0005	.0011	.0014	-.0001	.0001	.0029	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0003**	**.0005**	**.0002**	**.0002**	**.0058**	**.0091**	**.0001**	**.0030**	**-.0294**
Stddev	.0000	.0001	.0001	.0013	.0201	.0184	.0000	.0006	.0048
%RSD	9.777	26.44	82.56	684.7	349.0	201.4	26.22	19.36	16.37
#1	.0003	.0004	.0003	-.0007	.0200	.0222	.0001	.0034	-.0260
#2	.0003	.0006	.0001	.0011	-.0085	-.0039	.0001	.0025	-.0328

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0003**	**.0003**	**-.0005**	**-.0021**	**.0010**	**.0003**	**.0010**	**-.0015**	**.0007**
Stddev	.0001	.0002	.0007	.0021	.0012	.0008	.0007	.0002	.0001
%RSD	29.67	75.91	125.2	102.7	117.6	268.6	66.30	11.40	8.751
#1	.0002	.0001	-.0001	-.0006	.0019	-.0003	.0005	-.0014	.0006
#2	.0004	.0004	-.0010	-.0036	.0002	.0008	.0015	-.0016	.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0004**	**.0008**	**.0000**	**.0031**	**.0002**	**-.0005**
Stddev	.0000	.0001	.0002	.0004	.0028	.0000	.0004
%RSD	17.86	24.73	30.81	15230.	90.84	13.60	80.60
#1	.0001	.0003	.0010	.0003	.0051	.0002	-.0008
#2	.0002	.0004	.0006	-.0002	.0011	.0002	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4202.3**	**109730.**	**8252.9**
Stddev	3.4	519.	16.2
%RSD	.08132	.47307	.19660
#1	4204.8	110100.	8264.4
#2	4199.9	109360.	8241.4

Zoom In Zoom Out

Sample Name: JB53625-13 Acquired: 12/12/2013 19:04:18 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.1265**	**.0015**	**-.0016**	**.1338**	**.0308**	**-.0001**	**34.28**	**.0001**
Stddev	.0001	.0073	.0002	.0003	.0002	.0001	.0001	.04	.0000
%RSD	40.52	5.804	14.94	17.64	.1593	.2946	120.1	.1176	15.67
#1	.0003	.1213	.0014	-.0014	.1340	.0307	-.0001	34.31	.0001
#2	.0005	.1317	.0017	-.0018	.1337	.0309	.0000	34.25	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0126**	**.0008**	**12.82**	**17.20**	**16.25**	**.2054**	**.0012**	F **448.7**
Stddev	.0001	.0003	.0002	.03	.01	.09	.0012	.0001	3.4
%RSD	60.90	2.374	23.87	.2109	.0503	.5780	.5688	8.944	.7520
#1	.0003	.0128	.0010	12.80	17.21	16.32	.2062	.0013	451.1
#2	.0001	.0124	.0007	12.84	17.20	16.19	.2045	.0012	446.3

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0059**	**-.0007**	**-.0017**	**-.0004**	**10.76**	**.0000**	**.0022**	**11.14**	**-.0001**
Stddev	.0000	.0005	.0014	.0020	.01	.0005	.0007	.01	.0000
%RSD	.4250	82.61	83.79	552.0	.1177	1785.	29.08	.0856	36.14
#1	.0059	-.0003	-.0007	.0010	10.75	.0004	.0027	11.14	-.0001
#2	.0059	-.0010	-.0027	-.0018	10.77	-.0003	.0018	11.15	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3496**	**.0108**	**.0002**	**.0036**	**.0014**	**-.0001**	**-.0607**
Stddev	.0008	.0006	.0007	.0001	.0008	.0000	.0004
%RSD	.2208	5.307	300.5	1.641	55.71	20.76	.7374
#1	.3501	.0113	.0007	.0036	.0009	-.0001	-.0604
#2	.3490	.0104	-.0003	.0036	.0020	-.0001	-.0611

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3992.2**	**104660.**	**8320.1**
Stddev	1.4	951.	34.4
%RSD	.03526	.90882	.41329
#1	3991.2	103990.	8295.8
#2	3993.2	105330.	8344.4

Zoom In Zoom Out

Sample Name: JB53625-13 Acquired: 12/12/2013 19:09:16 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0059**	**.0713**	**-.0044**	**-.0039**	**.1396**	**.0313**	**-.0002**	**34.80**	**.0004**
Stddev	.0027	.0080	.0013	.0069	.0003	.0000	.0002	.03	.0002
%RSD	45.36	11.17	29.54	179.7	.2000	.0228	75.05	.0875	52.43
#1	-.0077	.0657	-.0035	.0010	.1394	.0313	-.0001	34.78	.0003
#2	-.0040	.0770	-.0053	-.0087	.1398	.0313	-.0003	34.82	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0015**	**.0129**	**-.0006**	**12.92**	**17.18**	**16.54**	**.2071**	**.0051**	**481.1**
Stddev	.0003	.0007	.0017	.06	.09	.05	.0003	.0000	.5
%RSD	17.42	5.358	305.2	.4413	.5453	.2931	.1533	.1124	.0986
#1	.0014	.0134	.0007	12.96	17.24	16.57	.2069	.0051	481.4
#2	.0017	.0124	-.0018	12.88	17.11	16.50	.2074	.0051	480.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0072**	**.0021**	**-.0042**	**.0096**	**10.63**	**.0009**	**.0055**	**11.03**	**.0046**
Stddev	.0007	.0004	.0043	.0595	.01	.0015	.0016	.02	.0019
%RSD	9.552	20.08	103.2	620.3	.0826	156.7	28.98	.2201	41.83
#1	.0067	.0018	-.0011	.0516	10.62	.0020	.0066	11.01	.0059
#2	.0076	.0024	-.0072	-.0325	10.63	-.0001	.0043	11.05	.0032

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3481**	**.0125**	**.0016**	**.0018**	**.0251**	**.0089**	**-.0655**
Stddev	.0002	.0023	.0056	.0009	.0341	.0005	.0007
%RSD	.0568	18.23	354.8	46.04	135.5	6.119	1.065
#1	.3483	.0109	-.0024	.0025	.0011	.0093	-.0660
#2	.3480	.0141	.0055	.0012	.0492	.0085	-.0650

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4165.5**	**109370.**	**8348.7**
Stddev	3.4	706.	36.7
%RSD	.08095	.64511	.43945
#1	4167.9	109870.	8322.7
#2	4163.1	108870.	8374.6

Zoom In Zoom Out

Sample Name: JB53625-11 Acquired: 12/12/2013 19:14:11 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 100.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 100X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0067**	**-.0628**	**-.0342**	**.0087**	**.9982**	**-.0033**	**-.0008**	**68.48**	**.0020**
Stddev	.0061	.4990	.0056	.0383	.0069	.0203	.0016	.73	.0016
%RSD	91.02	794.4	16.50	438.7	.6929	609.8	195.5	1.063	77.16
#1	-.0110	-.4157	-.0302	-.0183	.9934	.0110	-.0020	68.99	.0009
#2	-.0024	.2900	-.0382	.0358	1.003	-.0177	.0003	67.96	.0031

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0074**	**.0227**	**-.0077**	**.0156**	**51.54**	**84.89**	**-.0030**	**.0350**	**819.4**
Stddev	.0013	.0354	.0274	.1641	.91	.40	.0015	.0056	.6
%RSD	17.40	156.1	353.4	1055.	1.761	.4731	48.02	16.02	.0691
#1	.0084	-.0024	-.0271	.1316	52.18	84.61	-.0020	.0310	819.8
#2	.0065	.0477	.0116	-.1005	50.90	85.18	-.0041	.0390	819.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0195**	**-.0265**	**-.0537**	**.2060**	**12.78**	**-.0254**	**.0666**	**18.91**	**.0472**
Stddev	.0026	.0041	.0510	.0036	.28	.0813	.0459	.01	.0276
%RSD	13.42	15.43	95.03	1.759	2.173	319.5	68.86	.0356	58.44
#1	.0213	-.0293	-.0176	.2034	12.58	-.0829	.0342	18.92	.0277
#2	.0176	-.0236	-.0897	.2085	12.97	.0320	.0990	18.91	.0667

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5756**	**.0177**	**.0454**	**.0189**	**.0499**	**.0947**	**-.1377**
Stddev	.0015	.0059	.0280	.0180	.1949	.0012	.0001
%RSD	.2552	33.40	61.63	95.41	391.0	1.243	.0423
#1	.5745	.0135	.0256	.0061	.1877	.0956	-.1378
#2	.5766	.0219	.0652	.0316	-.0880	.0939	-.1377

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4169.0**	**110050.**	**8371.3**
Stddev	8.6	99.	24.8
%RSD	.20588	.09029	.29652
#1	4175.1	110120.	8353.8
#2	4162.9	109980.	8388.9

Zoom In Zoom Out

Sample Name: JB53625-12 Acquired: 12/12/2013 19:19:07 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 100.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 100X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0021	1.013	-.0264	.0550	.4386	.0193	-.0049	82.85	.0002
Stddev	.0278	.137	.0560	.0045	.0252	.0009	.0034	.23	.0006
%RSD	1317.	13.49	212.0	8.126	5.739	4.564	69.82	.2836	422.0
#1	-.0175	.9168	-.0660	.0582	.4208	.0186	-.0025	83.01	-.0003
#2	.0218	1.110	.0132	.0518	.4564	.0199	-.0073	82.68	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0012	.0029	-.0117	8.526	34.51	51.92	.1653	.0155	971.9
Stddev	.0034	.0299	.0083	.313	.68	2.23	.0014	.0004	2.0
%RSD	282.9	1018.	70.26	3.665	1.983	4.295	.8487	2.584	.2036
#1	-.0012	-.0182	-.0176	8.305	35.00	53.49	.1643	.0158	973.3
#2	.0036	.0241	-.0059	8.747	34.03	50.34	.1662	.0153	970.5

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0024	.0099	-.1096	.1215	7.777	-.0354	-.0314	16.05	.0277
Stddev	.0109	.0290	.1025	.2829	.092	.0321	.0051	.12	.0065
%RSD	462.3	293.7	93.61	232.8	1.185	90.55	16.26	.7525	23.47
#1	.0101	-.0106	-.0370	-.0785	7.712	-.0127	-.0278	15.97	.0231
#2	-.0053	.0304	-.1821	.3215	7.842	-.0581	-.0350	16.14	.0323

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.7428	.0232	.0256	.0126	.0096	.1241	-.1652
Stddev	.0102	.0120	.0053	.0132	.1711	.0059	.0218
%RSD	1.371	51.66	20.83	104.8	1786.	4.776	13.17
#1	.7500	.0317	.0218	.0033	-.1114	.1199	-.1806
#2	.7356	.0147	.0293	.0220	.1306	.1283	-.1498

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4145.1	109870.	8333.0
Stddev	16.3	499.	61.0
%RSD	.39394	.45422	.73186
#1	4156.7	110220.	8289.9
#2	4133.6	109520.	8376.1

Zoom In Zoom Out

Sample Name: MP22238-B1 Acquired: 12/12/2013 19:24:02 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2015	2.107	.5386	-.0011	1.009	2.080	.5146	24.06	.5151
Stddev	.0002	.004	.0012	.0003	.003	.002	.0014	.02	.0015
%RSD	.1138	.1908	.2165	24.40	.2580	.1003	.2723	.0854	.2884
#1	.2013	2.104	.5378	-.0013	1.007	2.079	.5155	24.05	.5140
#2	.2017	2.110	.5395	-.0009	1.011	2.082	.5136	24.08	.5161

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5157	.4951	.4667	2.006	25.01	24.45	.4947	.5020	25.10
Stddev	.0026	.0038	.0019	.006	.03	.16	.0015	.0022	.07
%RSD	.4958	.7702	.4117	.2826	.1070	.6451	.2935	.4360	.2668
#1	.5139	.4978	.4654	2.002	25.03	24.56	.4958	.5004	25.05
#2	.5175	.4924	.4681	2.010	25.00	24.34	.4937	.5035	25.14

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4825	.9757	-.0026	-.0036	2.047	.5191	.5237	1.078	1.040
Stddev	.0015	.0030	.0004	.0050	.002	.0015	.0000	.003	.005
%RSD	.3078	.3069	15.97	136.4	.0850	.2807	.0092	.2645	.4477
#1	.4815	.9736	-.0023	-.0072	2.045	.5181	.5237	1.076	1.037
#2	.4836	.9778	-.0029	-.0001	2.048	.5202	.5238	1.080	1.043

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4501	.4797	.5037	.5096	.4117	.5164	-.0086
Stddev	.0022	.0025	.0005	.0023	.0007	.0029	.0005
%RSD	.4961	.5262	.1024	.4430	.1591	.5542	5.602
#1	.4517	.4815	.5033	.5112	.4112	.5144	-.0083
#2	.4485	.4780	.5040	.5080	.4121	.5185	-.0090

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4069.2	108590.	8381.6
Stddev	8.0	232.	20.2
%RSD	.19734	.21372	.24060
#1	4074.9	108430.	8367.3
#2	4063.5	108760.	8395.8

Zoom In Zoom Out

Sample Name: MP22238-MB1 Acquired: 12/12/2013 19:28:46 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0003	.0028	-.0002	-.0010	.0011	.0000	-.0001	.0051	.0000
Stddev	.0003	.0051	.0004	.0003	.0002	.0001	.0000	.0017	.0001
%RSD	109.7	182.2	177.3	31.01	19.76	2035.	80.88	32.75	1015.
#1	-.0006	.0064	.0001	-.0012	.0012	.0001	-.0001	.0063	.0000
#2	-.0001	-.0008	-.0005	-.0008	.0009	-.0001	.0000	.0039	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0000	.0003	.0003	.0061	.0177	-.0036	.0008	.0008	.0182
Stddev	.000	.0003	.0001	.0013	.0346	.0252	.0000	.0002	.0065
%RSD	77.19	105.7	19.43	20.92	196.2	691.8	3.688	32.77	35.69
#1	-.0001	.0006	.0003	.0070	.0421	-.0215	.0007	.0009	.0228
#2	.0000	.0001	.0004	.0052	-.0068	.0142	.0008	.0006	.0136

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0001	.0002	-.0023	-.0003	.0039	.0005	.0009	.0138	.0003
Stddev	.0000	.0003	.0013	.0001	.0004	.0003	.0003	.0004	.0002
%RSD	40.01	154.9	57.67	21.37	10.31	58.48	29.45	2.783	62.29
#1	-.0001	.0000	-.0013	-.0004	.0036	.0007	.0011	.0141	.0004
#2	-.0001	.0004	-.0032	-.0003	.0042	.0003	.0007	.0136	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0001	.0000	-.0001	-.0001	.0020	.0005	-.0018
Stddev	.0000	.0001	.0001	.0001	.0006	.0000	.0005
%RSD	53.31	155.8	171.0	100.5	32.49	8.050	30.01
#1	.0000	.0000	.0000	-.0001	.0024	.0005	-.0014
#2	.0001	.0001	-.0001	.0000	.0015	.0005	-.0021

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4114.4	109730.	8378.9
Stddev	3.3	882.	22.2
%RSD	.07970	.80377	.26473
#1	4116.7	109100.	8363.2
#2	4112.1	110350.	8394.5

Zoom In Zoom Out

Sample Name: MP22238-S1 Acquired: 12/12/2013 19:33:43 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.1500	3.377	.5167	-.0047	.7512	2.729	.3630	198.0
Stddev	.0001	.031	.0037	.0046	.0025	.004	.0013	.2
%RSD	.0728	.9122	.7074	98.85	.3285	.1552	.3600	.0777
#1	.1499	3.399	.5141	-.0080	.7494	2.726	.3640	198.1
#2	.1501	3.355	.5193	-.0014	.7529	2.732	.3621	197.9

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.3927	.6017	.3442	.5051	F 337.1	21.63	54.84	10.77
Stddev	.0015	.0017	.0030	.0000	.7	.03	.28	.01
%RSD	.3929	.2843	.8607	.0003	.2125	.1264	.5168	.0950
#1	.3916	.6005	.3421	.5051	337.6	21.65	55.04	10.77
#2	.3938	.6029	.3463	.5051	336.6	21.61	54.64	10.76

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.3552	F 303.2	.3694	.8280	.0124	F -.0572	F 20.43	.3814
Stddev	.0015	2.1	.0008	.0012	.0016	.0003	.06	.0020
%RSD	.4197	.6980	.2193	.1472	12.74	.6034	.2782	.5231
#1	.3541	304.7	.3688	.8272	.0135	-.0570	20.39	.3800
#2	.3562	301.7	.3699	.8289	.0113	-.0575	20.47	.3828

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.3987	41.10	.7153	1.387	.3509	.3347	.4061	.1755
Stddev	.0006	.15	.0020	.002	.0017	.0017	.0015	.0060
%RSD	.1506	.3562	.2745	.1498	.4703	.5110	.3811	3.423
#1	.3983	41.00	.7139	1.389	.3498	.3334	.4050	.1797
#2	.3991	41.20	.7167	1.386	.3521	.3359	.4072	.1712

Elem	Zn2062	Zr3391
Avg	.6369	-.2194
Stddev	.0003	.0001
%RSD	.0397	.0470
#1	.6367	-.2195
#2	.6371	-.2194

Zoom In Zoom Out

Sample Name: MP22238-S1 Acquired: 12/12/2013 19:33:43 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**5152.4**	**142450.**	**11428.**
Stddev	15.2	1136.	13.
%RSD	.29448	.79741	.11019
#1	5163.1	143250.	11436.
#2	5141.6	141650.	11419.

Zoom In Zoom Out

Sample Name: MP22238-S2 Acquired: 12/12/2013 19:38:37 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	**.1525**	**3.490**	**.5247**	**-.0062**	**.7551**	**2.764**	**.3688**	**201.2**
Stddev	.0006	.014	.0014	.0004	.0007	.005	.0019	.9
%RSD	.3727	.4102	.2711	6.550	.0952	.1941	.5121	.4499
#1	.1521	3.480	.5257	-.0060	.7556	2.760	.3675	200.6
#2	.1529	3.500	.5236	-.0065	.7545	2.768	.3701	201.9

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	**.3903**	**.6170**	**.3541**	**.5192**	F **352.4**	**21.86**	**56.05**	**11.48**
Stddev	.0014	.0015	.0028	.0012	1.8	.03	.69	.03
%RSD	.3528	.2361	.7906	.2379	.4973	.1286	1.223	.2978
#1	.3913	.6180	.3560	.5184	351.1	21.88	55.56	11.50
#2	.3893	.6160	.3521	.5201	353.6	21.84	56.53	11.45

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	**.3555**	F **305.1**	**.3720**	**.8422**	**.0099**	F **-.0603**	F **21.10**	**.3794**
Stddev	.0003	3.7	.0004	.0000	.0002	.0002	.00	.0009
%RSD	.0873	1.217	.1171	.0045	1.629	.2652	.0110	.2350
#1	.3557	302.4	.3723	.8421	.0098	-.0604	21.10	.3800
#2	.3553	307.7	.3717	.8422	.0100	-.0602	21.10	.3787

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	**.4035**	**41.89**	**.7167**	**1.405**	**.3604**	**.3362**	**.4207**	**.3274**
Stddev	.0013	.04	.0002	.008	.0016	.0002	.0014	.0020
%RSD	.3328	.0933	.0242	.5572	.4519	.0554	.3447	.6210
#1	.4025	41.91	.7169	1.400	.3615	.3363	.4217	.3289
#2	.4044	41.86	.7166	1.411	.3592	.3361	.4196	.3260

Elem	Zn2062	Zr3391
Avg	**.6361**	**-.2201**
Stddev	.0012	.0005
%RSD	.1952	.2051
#1	.6370	-.2198
#2	.6352	-.2204

Zoom In Zoom Out

Sample Name: MP22238-S2 Acquired: 12/12/2013 19:38:37 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**5213.6**	**140820.**	**11319.**
Stddev	21.5	1330.	6.
%RSD	.41160	.94443	.05620
#1	5198.4	139880.	11324.
#2	5228.7	141760.	11315.

Zoom In Zoom Out

Sample Name: MC26860-1 Acquired: 12/12/2013 19:43:31 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	**.0011**	**2.792**	**.1871**	**.0309**	**.0319**	**1.332**	**.0025**	**182.3**
Stddev	.0003	.003	.0004	.0004	.0001	.000	.0000	.0
%RSD	24.78	.1084	.2280	1.369	.2951	.0329	1.236	.0221
#1	.0013	2.794	.1874	.0306	.0318	1.331	.0025	182.2
#2	.0009	2.790	.1868	.0312	.0320	1.332	.0025	182.3

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	**.0094**	**.5252**	**.0033**	**.1785**	F **420.4**	**3.563**	**37.81**	F **22.24**
Stddev	.0001	.0006	.0002	.0004	.0	.017	.01	.08
%RSD	1.241	.1154	5.307	.2123	.0098	.4882	.0195	.3659
#1	.0093	.5256	.0032	.1788	420.5	3.550	37.81	22.18
#2	.0095	.5248	.0034	.1782	420.4	3.575	37.80	22.30

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	**.0022**	F **279.6**	**.0573**	**.2957**	**.0088**	F **-.1227**	F **24.54**	**-.0001**
Stddev	.0004	.3	.0000	.0010	.0010	.0000	.01	.0011
%RSD	16.19	.1023	.0813	.3456	11.48	.0328	.0500	1404.
#1	.0024	279.8	.0574	.2950	.0095	-.1227	24.53	.0007
#2	.0019	279.4	.0573	.2965	.0081	-.1228	24.55	-.0008

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	**.0351**	**47.40**	**.0030**	**1.066**	**.0219**	**.0034**	**.0793**	**.0695**
Stddev	.0009	.03	.0001	.003	.0004	.0001	.0003	.0084
%RSD	2.500	.0622	4.040	.3012	1.608	1.542	.3871	12.04
#1	.0345	47.42	.0029	1.068	.0217	.0034	.0795	.0754
#2	.0357	47.38	.0031	1.063	.0222	.0035	.0791	.0635

Elem	Zn2062	Zr3391
Avg	**.3151**	**-.2512**
Stddev	.0005	.0009
%RSD	.1587	.3626
#1	.3154	-.2519
#2	.3147	-.2506

Zoom In Zoom Out

Sample Name: MC26860-1 Acquired: 12/12/2013 19:43:31 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**5249.3**	**143670.**	**11540.**
Stddev	3.2	653.	30.
%RSD	.06164	.45432	.25826
#1	5247.0	144140.	11561.
#2	5251.6	143210.	11519.

Zoom In Zoom Out

Sample Name: MP22238-SD1 Acquired: 12/12/2013 19:48:28 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0008**	**3.830**	**.2390**	**-.0017**	**.0448**	**1.743**	**.0031**	**248.3**	**.0098**
Stddev	.0007	.023	.0074	.0001	.0007	.006	.0001	.7	.0005
%RSD	90.98	.6080	3.090	8.693	1.651	.3369	3.461	.2929	5.335
#1	.0013	3.814	.2443	-.0018	.0453	1.739	.0031	248.8	.0101
#2	.0003	3.847	.2338	-.0016	.0443	1.747	.0030	247.8	.0094

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.7008**	**.0040**	**.2315**	**608.1**	**4.814**	**51.57**	**35.84**	**.0032**	**390.3**
Stddev	.0135	.0002	.0006	3.4	.077	.05	.38	.0006	1.1
%RSD	1.926	5.292	.2653	.5672	1.608	.1015	1.052	19.35	.2724
#1	.7103	.0042	.2319	610.6	4.759	51.61	36.10	.0037	391.1
#2	.6912	.0039	.2310	605.7	4.869	51.54	35.57	.0028	389.6

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0775**	**.4070**	**.0286**	**-.1651**	**32.01**	**-.0039**	**.0668**	**60.73**	**.0035**
Stddev	.0016	.0101	.0019	.0002	.57	.0004	.0014	1.08	.0010
%RSD	2.059	2.483	6.747	.1230	1.784	11.50	2.022	1.778	27.47
#1	.0787	.4142	.0272	-.1649	32.42	-.0036	.0678	61.49	.0041
#2	.0764	.3999	.0300	-.1652	31.61	-.0042	.0658	59.96	.0028

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.396**	**.0306**	**-.0014**	**.1053**	**.0782**	**.4439**	**-.3231**
Stddev	.003	.0008	.0033	.0003	.0111	.0113	.0028
%RSD	.2193	2.752	244.8	.3282	14.17	2.552	.8578
#1	1.398	.0300	-.0037	.1056	.0860	.4519	-.3251
#2	1.394	.0312	.0010	.1051	.0703	.4359	-.3211

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4435.3**	**116620.**	**8977.7**
Stddev	83.7	1013.	64.5
%RSD	1.8870	.86870	.71898
#1	4376.1	115900.	8932.1
#2	4494.5	117330.	9023.4

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 19:53:27 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2435**	**9.959**	**1.950**	**-.0015**	**1.947**	**2.032**	**2.044**	**9.968**	**1.961**
Stddev	.0014	.036	.004	.0003	.006	.005	.000	.047	.003
%RSD	.5766	.3598	.2131	18.60	.3034	.2418	.0037	.4723	.1274
#1	.2445	9.934	1.953	-.0017	1.951	2.029	2.044	9.934	1.963
#2	.2425	9.984	1.947	-.0013	1.943	2.036	2.044	10.00	1.959

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.034**	**1.917**	**1.885**	**9.900**	**10.06**	**9.897**	**1.971**	**1.949**	**10.08**
Stddev	.002	.007	.009	.006	.06	.002	.007	.006	.01
%RSD	.0780	.3794	.4713	.0617	.5953	.0201	.3380	.3276	.1030
#1	2.033	1.922	1.891	9.896	10.02	9.896	1.976	1.944	10.09
#2	2.036	1.912	1.879	9.904	10.10	9.899	1.966	1.953	10.08

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.932**	**1.918**	**.0017**	**-.0077**	**.0036**	**1.955**	**1.952**	**.0211**	**1.968**
Stddev	.001	.002	.0010	.0001	.0013	.006	.002	.0050	.000
%RSD	.0534	.0975	59.20	1.667	35.55	.3082	.0791	23.97	.0073
#1	1.931	1.916	.0025	-.0076	.0045	1.960	1.954	.0246	1.968
#2	1.933	1.919	.0010	-.0078	.0027	1.951	1.951	.0175	1.969

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.837**	**1.930**	**1.936**	**1.934**	**-.0014**	**1.945**	**.0005**
Stddev	.002	.004	.000	.004	.0035	.005	.0013
%RSD	.1123	.2112	.0229	.2111	257.3	.2772	264.4
#1	1.835	1.933	1.936	1.937	.0011	1.941	.0015
#2	1.838	1.927	1.937	1.931	-.0038	1.948	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4211.0**	**109360.**	**8234.4**
Stddev	2.1	121.	72.3
%RSD	.04955	.11064	.87770
#1	4209.5	109270.	8285.5
#2	4212.4	109440.	8183.3

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 19:58:11 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.0141**	**.0003**	**.0006**	**.0017**	**.0000**	**.0000**	**.0018**	**.0002**
Stddev	.0002	.0066	.0003	.0002	.0002	.000	.0000	.0034	.0001
%RSD	287.3	46.66	98.03	37.26	10.76	262.2	40.89	187.1	39.47
#1	-.0002	.0188	.0005	.0008	.0018	.0000	.0000	-.0006	.0002
#2	.0001	.0095	.0001	.0004	.0015	-.0001	.0000	.0043	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0003**	**.0004**	**-.0001**	**.0052**	**-.0066**	**.0034**	**.0005**	**.0031**	**.0785**
Stddev	.0002	.0005	.0000	.0009	.0215	.0498	.0001	.0007	.0354
%RSD	51.51	131.7	2.894	16.74	323.9	1452.	16.71	22.87	45.17
#1	.0002	.0000	-.0001	.0058	-.0218	.0387	.0005	.0035	.0534
#2	.0004	.0007	-.0001	.0046	.0086	-.0318	.0006	.0026	.1035

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0004**	**.0002**	**-.0006**	**.0044**	**.0027**	**.0001**	**.0010**	**-.0004**	**.0006**
Stddev	.0001	.0001	.0000	.0013	.0008	.0000	.0003	.0003	.0001
%RSD	23.79	37.22	.5630	30.48	28.00	22.76	29.91	86.13	10.00
#1	.0004	.0001	-.0006	.0053	.0032	.0001	.0012	-.0001	.0006
#2	.0003	.0002	-.0006	.0034	.0022	.0001	.0007	-.0006	.0005

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0002**	**.0014**	**.0004**	**.0008**	**.0005**	**-.0007**
Stddev	.0000	.0001	.0001	.0003	.0003	.0000	.0015
%RSD	5.307	64.00	5.839	80.32	34.20	9.418	222.2
#1	.0002	.0001	.0014	.0002	.0006	.0004	.0004
#2	.0001	.0003	.0013	.0006	.0009	.0005	-.0017

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4131.3**	**111610.**	**8302.8**
Stddev	33.3	4483.	6.4
%RSD	.80626	4.0171	.07685
#1	4107.8	108440.	8307.3
#2	4154.9	114780.	8298.3

Zoom In Zoom Out

Sample Name: MP22238-B2 Acquired: 12/12/2013 20:03:08 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2030	2.175	.5413	-.0015	1.013	2.106	.5257	24.97	.5181
Stddev	.0005	.006	.0005	.0010	.000	.004	.0002	.02	.0003
%RSD	.2420	.2708	.0924	67.15	.0145	.1753	.0386	.0938	.0568
#1	.2026	2.179	.5410	-.0008	1.013	2.104	.5255	24.96	.5179
#2	.2033	2.171	.5417	-.0022	1.013	2.109	.5258	24.99	.5183

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5192	.5137	.4707	2.059	25.72	25.72	.5081	.5066	25.75
Stddev	.0004	.0027	.0004	.020	.05	.06	.0028	.0006	.03
%RSD	.0852	.5253	.0816	.9549	.1753	.2498	.5445	.1200	.1056
#1	.5189	.5118	.4704	2.045	25.75	25.67	.5061	.5061	25.73
#2	.5195	.5157	.4709	2.073	25.69	25.76	.5100	.5070	25.77

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4879	.9900	-.0014	.0022	2.056	.5224	.5239	1.085	1.052
Stddev	.0003	.0013	.0003	.0017	.003	.0011	.0008	.000	.001
%RSD	.0547	.1320	22.70	75.85	.1487	.2125	.1443	.0048	.0445
#1	.4878	.9909	-.0016	.0034	2.053	.5232	.5234	1.085	1.051
#2	.4881	.9891	-.0012	.0010	2.058	.5216	.5245	1.085	1.052

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4596	.4935	.5105	.5235	.4304	.5228	-.0089
Stddev	.0012	.0025	.0001	.0030	.0055	.0001	.0005
%RSD	.2656	.5119	.0201	.5754	1.273	.0266	5.486
#1	.4587	.4917	.5104	.5213	.4265	.5229	-.0092
#2	.4604	.4953	.5105	.5256	.4343	.5227	-.0085

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4097.4	107280.	8236.3
Stddev	3.0	829.	28.3
%RSD	.07427	.77261	.34339
#1	4099.6	107860.	8256.3
#2	4095.2	106690.	8216.3

Zoom In Zoom Out

Sample Name: FA10606-4 Acquired: 12/12/2013 20:07:52 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0003	4.730	.0050	-.0046	6.627	.0247	.0022	129.7	-.0010
Stddev	.0002	.020	.0002	.0001	.012	.0003	.0000	.0	.0000
%RSD	57.72	.4187	3.165	1.907	.1771	1.256	1.055	.0279	.4176
#1	-.0002	4.716	.0051	-.0047	6.619	.0249	.0022	129.7	-.0010
#2	-.0004	4.744	.0049	-.0045	6.635	.0245	.0022	129.8	-.0010

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0003	.0028	.0001	115.0	F 667.6	36.29	.2245	.0006	F 369.3
Stddev	.0001	.0002	.0001	.4	7.5	.14	.0007	.0002	6.3
%RSD	17.26	8.515	51.08	.3682	1.116	.3853	.3037	32.36	1.709
#1	.0004	.0026	.0001	114.7	672.8	36.19	.2250	.0007	373.8
#2	.0003	.0030	.0001	115.3	662.3	36.39	.2240	.0005	364.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0002	-.0007	.0020	-.0026	F 696.1	-.0015	.0037	4.797	.0005
Stddev	.0002	.0000	.0005	.0004	.5	.0001	.0003	.008	.0002
%RSD	62.36	4.044	26.63	15.67	.0668	4.041	8.680	.1605	45.34
#1	-.0001	-.0007	.0016	-.0029	695.7	-.0014	.0035	4.792	.0007
#2	-.0004	-.0006	.0023	-.0023	696.4	-.0015	.0040	4.803	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.9703	.0013	.0007	.0149	.0243	.0086	-.0279
Stddev	.0036	.0000	.0003	.0007	.0041	.0000	.0004
%RSD	.3707	3.294	39.76	4.817	16.75	.3002	1.570
#1	.9678	.0013	.0008	.0144	.0215	.0086	-.0276
#2	.9729	.0013	.0005	.0154	.0272	.0086	-.0282

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4419.5	117470.	9663.5
Stddev	2.5	268.	61.2
%RSD	.05671	.22807	.63292
#1	4421.2	117280.	9620.2
#2	4417.7	117660.	9706.7

Zoom In Zoom Out

Sample Name: FA10606-8 Acquired: 12/12/2013 20:12:54 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0008	1.500	.0013	-.0019	6.851	.0245	.0002	99.94	.0001
Stddev	.0003	.002	.0003	.0001	.018	.0001	.0000	.17	.0000
%RSD	31.47	.1139	21.78	7.374	.2594	.5621	13.27	.1710	25.23
#1	-.0006	1.498	.0016	-.0018	6.838	.0244	.0002	100.1	.0001
#2	-.0010	1.501	.0011	-.0020	6.864	.0246	.0003	99.82	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0000	.0015	.0008	1.007	F 457.5	2.379	.0288	.0017	139.6
Stddev	.000	.0008	.0000	.004	3.0	.067	.0001	.0001	.6
%RSD	2180.	49.75	2.456	.3871	.6623	2.810	.3975	3.293	.4633
#1	.0000	.0010	.0008	1.010	459.7	2.426	.0289	.0017	140.0
#2	.0000	.0021	.0008	1.005	455.4	2.331	.0287	.0017	139.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0006	-.0005	-.0056	.0037	F 333.1	.0001	.0052	1.882	.0001
Stddev	.0000	.0003	.0005	.0025	.9	.0001	.0004	.004	.0001
%RSD	.5760	47.58	8.875	66.45	.2560	72.40	8.287	.1893	104.8
#1	.0006	-.0004	-.0052	.0055	332.4	.0001	.0055	1.879	.0001
#2	.0007	-.0007	-.0059	.0020	333.7	.0002	.0049	1.884	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.9207	.0007	.0002	.0020	.0030	.0176	-.0091
Stddev	.0029	.0001	.0004	.0000	.0005	.0001	.0003
%RSD	.3125	7.624	243.7	1.964	15.81	.4648	3.708
#1	.9187	.0007	-.0001	.0020	.0033	.0177	-.0089
#2	.9228	.0008	.0004	.0020	.0027	.0175	-.0094

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3978.7	104500.	8281.2
Stddev	.4	274.	49.9
%RSD	.01065	.26181	.60286
#1	3978.4	104310.	8245.9
#2	3979.0	104690.	8316.5

Zoom In Zoom Out

Sample Name: MC26860-2 Acquired: 12/12/2013 20:17:47 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0002	.0760	.0201	.0087	.2152	.7167	-.0001	222.8
Stddev	.0002	.0089	.0001	.0019	.0010	.0022	.0000	1.1
%RSD	98.67	11.72	.4960	22.30	.4684	.3040	39.11	.4935
#1	.0003	.0823	.0200	.0101	.2159	.7182	-.0001	223.6
#2	.0000	.0697	.0202	.0073	.2145	.7151	-.0001	222.1

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0006	-.0002	.0000	.0003	71.19	19.36	40.91	13.81
Stddev	.0000	.0000	.0005	.0001	.31	.17	.09	.31
%RSD	7.038	16.85	1203.	33.90	.4308	.8550	.2157	2.273
#1	.0006	-.0002	-.0003	.0002	71.40	19.48	40.97	13.59
#2	.0007	-.0002	.0004	.0004	70.97	19.25	40.84	14.03

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0002	F 400.7	.0002	-.0008	-.0098	F -.0562	.6236	-.0009
Stddev	.0000	10.8	.0000	.0010	.0009	.0002	.0005	.0004
%RSD	20.05	2.701	19.25	118.7	8.741	.2945	.0760	39.35
#1	.0001	408.4	.0001	-.0015	-.0092	-.0561	.6233	-.0007
#2	.0002	393.1	.0002	-.0001	-.0104	-.0563	.6240	-.0012

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	-.0001	7.777	.0004	.9594	.0016	-.0005	.0001	.0150
Stddev	.0006	.000	.0001	.0051	.0001	.0005	.0005	.0056
%RSD	879.5	.0042	33.05	.5276	5.221	92.29	993.8	37.21
#1	.0003	7.777	.0006	.9630	.0017	-.0002	-.0003	.0189
#2	-.0005	7.777	.0003	.9558	.0016	-.0008	.0004	.0111

Elem	Zn2062	Zr3391
Avg	.0016	-.0410
Stddev	.0000	.0004
%RSD	2.541	1.006
#1	.0016	-.0413
#2	.0016	-.0407

Zoom In Zoom Out

Sample Name: MC26860-2 Acquired: 12/12/2013 20:17:47 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3824.9**	**101680.**	**8203.1**
Stddev	3.5	1329.	82.5
%RSD	.09182	1.3072	1.0059
#1	3827.4	102620.	8144.7
#2	3822.4	100740.	8261.4

Zoom In Zoom Out

Sample Name: MC26861-1 Acquired: 12/12/2013 20:22:52 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.1032**	**.0011**	**-.0013**	**.0348**	**.2052**	**.0000**	**86.03**	**.0002**
Stddev	.0001	.0098	.0005	.0019	.0003	.0008	.000	.01	.0000
%RSD	69.06	9.472	50.98	149.3	.8147	.3783	400.7	.0100	9.203
#1	-.0002	.0963	.0015	-.0026	.0350	.2058	-.0001	86.02	.0002
#2	-.0001	.1101	.0007	.0001	.0346	.2047	.0001	86.03	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0008**	**.0057**	**1.906**	**5.096**	**12.74**	**.1151**	**.0028**	F **630.2**
Stddev	.0000	.0002	.0000	.013	.064	.02	.0001	.0000	3.9
%RSD	5.053	23.11	.5798	.6747	1.249	.1803	.1288	1.581	.6198
#1	-.0001	.0007	.0057	1.896	5.141	12.73	.1149	.0028	633.0
#2	-.0001	.0009	.0057	1.915	5.051	12.76	.1152	.0029	627.5

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0004**	**.0004**	**-.0054**	**.0071**	F **22.69**	**.0002**	**.0033**	**4.495**	**.0000**
Stddev	.0000	.0003	.0009	.0039	.02	.0004	.0001	.001	.000
%RSD	4.172	81.93	16.76	54.10	.1014	281.5	4.031	.0243	74.52
#1	.0004	.0007	-.0048	.0099	22.68	.0005	.0032	4.494	-.0001
#2	.0004	.0002	-.0060	.0044	22.71	-.0002	.0034	4.496	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2951**	**.0013**	**.0001**	**.0001**	**-.0001**	**.0067**	**-.0232**
Stddev	.0001	.0001	.0003	.0002	.0031	.0000	.0003
%RSD	.0300	10.89	588.1	182.4	3266.	.5422	1.226
#1	.2952	.0012	-.0002	.0003	-.0023	.0068	-.0230
#2	.2950	.0014	.0003	.0000	.0021	.0067	-.0234

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3844.0**	**101780.**	**8214.7**
Stddev	8.9	303.	37.7
%RSD	.23265	.29806	.45945
#1	3837.6	101560.	8188.0
#2	3850.3	101990.	8241.4

Zoom In Zoom Out

Sample Name: MC26861-2 Acquired: 12/12/2013 20:27:51 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	**.0000**	**.1201**	**.0179**	**.0074**	**.1693**	**.5406**	**.0000**	**272.2**
Stddev	.000	.0296	.0001	.0004	.0002	.0606	.0000	29.8
%RSD	869.1	24.62	.5437	5.123	.1372	11.21	28.48	10.94
#1	.0002	.1411	.0178	.0072	.1694	.5835	.0000	293.3
#2	-.0002	.0992	.0180	.0077	.1691	.4978	.0000	251.2

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	**.0002**	**-.0001**	**.0002**	**.0008**	**14.40**	**15.96**	**58.50**	**12.88**
Stddev	.0000	.0000	.0001	.0003	1.52	1.66	6.52	.03
%RSD	27.58	16.60	54.56	41.40	10.53	10.38	11.14	.1939
#1	.0001	-.0001	.0003	.0010	15.47	17.13	63.11	12.86
#2	.0002	-.0001	.0001	.0005	13.32	14.79	53.89	12.90

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	**.0042**	F **426.9**	**-.0001**	**-.0007**	**-.0155**	F **-.0503**	**.3560**	**-.0005**
Stddev	.0001	37.9	.0001	.0000	.0012	.0021	.0025	.0007
%RSD	2.751	8.869	73.37	4.278	7.781	4.257	.7108	137.4
#1	.0042	453.7	.0000	-.0007	-.0164	-.0518	.3578	-.0010
#2	.0041	400.1	-.0001	-.0007	-.0147	-.0488	.3542	.0000

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	**-.0003**	**7.651**	**.0002**	**1.298**	**.0031**	**-.0002**	**.0003**	**.0040**
Stddev	.0009	.001	.0003	.142	.0000	.0003	.0001	.0004
%RSD	291.0	.0085	149.5	10.92	.7581	178.8	19.76	10.98
#1	.0003	7.651	.0004	1.398	.0031	.0000	.0002	.0043
#2	-.0010	7.652	.0000	1.197	.0031	-.0004	.0003	.0037

Elem	Zn2062	Zr3391
Avg	**.0017**	**-.0421**
Stddev	.0002	.0001
%RSD	10.63	.2710
#1	.0015	-.0420
#2	.0018	-.0422

Zoom In Zoom Out

Sample Name: MC26861-2 Acquired: 12/12/2013 20:27:51 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3783.8**	**103110.**	**7733.1**
Stddev	5.0	76.	705.9
%RSD	.13307	.07412	9.1289
#1	3780.2	103170.	7233.9
#2	3787.4	103060.	8232.3

Zoom In Zoom Out

Sample Name: MC26861-3 Acquired: 12/12/2013 20:32:56 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	**.0001**	**.1268**	**.0189**	**.0074**	**.1717**	**.5068**	**.0000**	**254.4**
Stddev	.0006	.0228	.0001	.0017	.0008	.0023	.000	.5
%RSD	460.7	17.94	.7882	23.10	.4532	.4488	76.32	.2071
#1	.0005	.1108	.0190	.0086	.1722	.5051	.0000	254.0
#2	-.0003	.1429	.0188	.0062	.1711	.5084	.0000	254.8

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	**.0003**	**-.0001**	**.0002**	**.0005**	**13.38**	**14.93**	**54.18**	**13.08**
Stddev	.0000	.0000	.0002	.0001	.01	.04	.09	.05
%RSD	2.113	17.44	94.45	28.16	.0938	.2993	.1636	.3965
#1	.0003	-.0001	.0003	.0004	13.37	14.90	54.24	13.05
#2	.0003	-.0001	.0001	.0006	13.39	14.96	54.12	13.12

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	**.0041**	F **413.8**	**-.0001**	**-.0010**	**-.0153**	F **-.0508**	**.3507**	**-.0009**
Stddev	.0000	4.1	.0002	.0008	.0018	.0026	.0005	.0007
%RSD	.7182	.9873	166.9	76.63	11.47	5.095	.1563	81.74
#1	.0041	410.9	-.0003	-.0004	-.0140	-.0490	.3511	-.0014
#2	.0041	416.7	.0000	-.0015	-.0165	-.0526	.3503	-.0004

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	**.0002**	**7.785**	**.0001**	**1.206**	**.0027**	**-.0004**	**.0003**	**.0041**
Stddev	.0001	.017	.0000	.001	.0000	.0003	.0004	.0020
%RSD	67.44	.2217	23.21	.0549	.0249	78.56	144.5	49.71
#1	.0002	7.797	.0001	1.206	.0027	-.0006	.0000	.0056
#2	.0001	7.773	.0001	1.206	.0027	-.0002	.0006	.0027

Elem	Zn2062	Zr3391
Avg	**.0007**	**-.0428**
Stddev	.0001	.0001
%RSD	8.017	.3364
#1	.0007	-.0429
#2	.0008	-.0427

Zoom In Zoom Out

Sample Name: MC26861-3 Acquired: 12/12/2013 20:32:56 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3764.5**	**103000.**	**8247.9**
Stddev	9.0	181.	24.7
%RSD	.24036	.17569	.29896
#1	3758.1	103130.	8265.4
#2	3770.9	102870.	8230.5

Zoom In Zoom Out

Sample Name: MC26861-4 Acquired: 12/12/2013 20:38:01 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**.1008**	**.0137**	**-.0013**	**.0759**	**.1408**	**.0000**	**105.2**	**.0003**
Stddev	.0003	.0107	.0011	.0003	.0003	.0010	.000	1.2	.0000
%RSD	145.0	10.57	7.690	22.02	.4323	.6987	160.3	1.176	4.969
#1	.0000	.0933	.0145	-.0015	.0762	.1401	.0000	104.3	.0003
#2	.0005	.1084	.0130	-.0011	.0757	.1414	.0000	106.0	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0144**	**.0013**	**.0016**	**2.972**	**9.282**	**12.64**	**.3979**	**.0036**	F **252.9**
Stddev	.0001	.0001	.0002	.061	.050	.18	.0043	.0000	2.8
%RSD	.7546	11.21	14.47	2.039	.5360	1.423	1.070	.6187	1.090
#1	.0143	.0012	.0014	2.930	9.247	12.51	.4009	.0036	250.9
#2	.0145	.0014	.0018	3.015	9.318	12.77	.3949	.0037	254.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0478**	**.0012**	**-.0053**	**.0005**	**7.637**	**-.0001**	**.0022**	**13.75**	**.0001**
Stddev	.0002	.0003	.0017	.0015	.027	.0007	.0003	.04	.0001
%RSD	.4228	28.02	31.92	286.6	.3537	648.1	14.25	.3010	213.5
#1	.0476	.0014	-.0041	-.0006	7.618	-.0006	.0020	13.72	.0000
#2	.0479	.0009	-.0065	.0016	7.656	.0004	.0024	13.78	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4416**	**.0019**	**-.0010**	**.0023**	**.0028**	**.0620**	**-.0773**
Stddev	.0055	.0002	.0001	.0002	.0009	.0001	.0007
%RSD	1.236	11.88	9.627	6.725	31.97	.2303	.8990
#1	.4378	.0021	-.0010	.0022	.0022	.0619	-.0768
#2	.4455	.0017	-.0011	.0024	.0034	.0621	-.0777

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3897.5**	**106180.**	**8447.2**
Stddev	6.8	464.	71.9
%RSD	.17326	.43688	.85130
#1	3902.2	105850.	8498.1
#2	3892.7	106510.	8396.4

Zoom In Zoom Out

Sample Name: MC26890-1 Acquired: 12/12/2013 20:43:01 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0001**	**.1458**	**.0023**	**-.0008**	**.0610**	**.1508**	**.0000**	**111.1**	**.0004**
Stddev	.0005	.0045	.0003	.0012	.0001	.0003	.000	.2	.0001
%RSD	984.7	3.085	13.09	150.4	.0990	.2161	78.70	.2063	15.96
#1	.0004	.1426	.0025	-.0017	.0609	.1510	.0000	110.9	.0004
#2	-.0003	.1490	.0020	.0001	.0610	.1505	-.0001	111.3	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0009**	**.0012**	**13.16**	**5.163**	**10.40**	**.8266**	**.0003**	**184.1**
Stddev	.0000	.0000	.0001	.11	.053	.05	.0048	.0001	.3
%RSD	16.08	4.608	9.167	.8703	1.020	.4959	.5860	20.04	.1760
#1	.0002	.0009	.0011	13.08	5.201	10.36	.8300	.0002	183.8
#2	.0001	.0009	.0012	13.24	5.126	10.43	.8231	.0003	184.3

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0003**	**-.0005**	**-.0042**	**-.0035**	**2.040**	**-.0004**	**.0008**	**13.79**	**.0002**
Stddev	.0001	.0002	.0005	.0002	.002	.0001	.0000	.00	.0000
%RSD	33.26	47.08	13.03	5.268	.0781	19.73	3.229	.0234	.9958
#1	.0003	-.0006	-.0045	-.0034	2.041	-.0004	.0008	13.79	.0002
#2	.0002	-.0003	-.0038	-.0036	2.039	-.0003	.0008	13.78	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3345**	**.0021**	**-.0017**	**.0017**	**.0036**	**.0159**	**-.0772**
Stddev	.0019	.0002	.0001	.0005	.0052	.0000	.0002
%RSD	.5676	9.730	4.583	30.64	146.9	.2563	.2875
#1	.3331	.0019	-.0017	.0013	-.0001	.0159	-.0770
#2	.3358	.0022	-.0018	.0020	.0073	.0159	-.0774

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3930.0**	**106070.**	**8283.7**
Stddev	.3	173.	41.5
%RSD	.00785	.16316	.50151
#1	3930.2	105950.	8254.3
#2	3929.8	106190.	8313.1

Zoom In Zoom Out

Sample Name: MC26890-2 Acquired: 12/12/2013 20:47:53 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.1317**	**.0167**	**-.0025**	**.1775**	**3.629**	**-.0001**	**137.3**	**.0011**
Stddev	.000	.0155	.0001	.0003	.0001	.036	.0001	1.6	.0000
%RSD	214.0	11.75	.4618	11.13	.0517	.9976	48.85	1.168	2.486
#1	.0000	.1208	.0166	-.0023	.1776	3.655	-.0002	138.4	.0010
#2	.0000	.1427	.0168	-.0027	.1774	3.604	-.0001	136.1	.0011

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0008**	**.0017**	**13.78**	**6.604**	**27.38**	**.6924**	**.0011**	**163.2**
Stddev	.0000	.0002	.0000	.15	.061	.38	.0156	.0000	1.1
%RSD	56.42	20.16	.5297	1.096	.9186	1.370	2.250	3.086	.6759
#1	.0001	.0009	.0017	13.89	6.647	27.65	.6814	.0011	163.9
#2	.0000	.0007	.0017	13.68	6.561	27.12	.7034	.0010	162.4

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0003**	**-.0007**	**-.0063**	**-.0042**	**5.314**	**-.0005**	**.0008**	**8.614**	**.0004**
Stddev	.0000	.0001	.0001	.0069	.005	.0005	.0000	.011	.0000
%RSD	15.40	13.20	2.081	163.3	.0911	96.29	2.063	.1281	7.623
#1	.0002	-.0008	-.0064	.0007	5.310	-.0002	.0008	8.622	.0004
#2	.0003	-.0007	-.0062	-.0091	5.317	-.0008	.0008	8.606	.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.6296**	**.0021**	**-.0006**	**.0002**	**.0002**	**.0027**	**-.0480**
Stddev	.0063	.0004	.0003	.0001	.0034	.0001	.0006
%RSD	.9970	20.14	43.61	25.87	1524.	5.032	1.308
#1	.6340	.0018	-.0008	.0002	-.0022	.0028	-.0484
#2	.6251	.0024	-.0004	.0003	.0027	.0026	-.0475

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3891.8**	**105510.**	**8218.7**
Stddev	.2	2349.	101.5
%RSD	.00437	2.2267	1.2350
#1	3891.9	107170.	8147.0
#2	3891.7	103850.	8290.5

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 20:52:45 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2440**	**9.708**	**1.982**	**-.0017**	**1.982**	**1.999**	**2.011**	**9.874**	**2.029**
Stddev	.0112	.264	.003	.0004	.003	.039	.052	.252	.002
%RSD	4.607	2.719	.1462	22.86	.1681	1.946	2.577	2.549	.1033
#1	.2360	9.895	1.980	-.0020	1.980	2.027	2.047	10.05	2.027
#2	.2519	9.522	1.984	-.0015	1.984	1.972	1.974	9.696	2.030

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.096**	**1.908**	**1.844**	**9.785**	**10.38**	**9.646**	**1.948**	**2.006**	**10.08**
Stddev	.004	.087	.088	.252	.20	.230	.086	.007	.19
%RSD	.1888	4.587	4.781	2.570	1.884	2.381	4.388	.3711	1.927
#1	2.093	1.847	1.781	9.963	10.52	9.809	1.888	2.001	10.21
#2	2.099	1.970	1.906	9.607	10.24	9.484	2.009	2.012	9.938

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.958**	**1.958**	**.0001**	**-.0060**	**.0100**	**2.001**	**2.016**	**.0121**	**2.017**
Stddev	.002	.001	.0000	.0002	.0013	.002	.002	.0041	.004
%RSD	.1139	.0311	28.88	3.781	12.62	.0868	.1118	34.20	.1752
#1	1.956	1.958	.0001	-.0062	.0109	2.000	2.014	.0150	2.015
#2	1.959	1.959	.0001	-.0059	.0091	2.003	2.018	.0092	2.020

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	F **1.788**	**1.918**	**1.962**	**1.919**	**-.0052**	**2.018**	**-.0072**
Stddev	.043	.090	.005	.088	.0026	.003	.0008
%RSD	2.407	4.671	.2616	4.586	49.42	.1634	11.42
#1	1.818	1.854	1.959	1.857	-.0070	2.015	-.0078
#2	1.757	1.981	1.966	1.982	-.0034	2.020	-.0066

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4123.2**	**111350.**	**8421.8**
Stddev	4.1	3901.	193.9
%RSD	.09916	3.5030	2.3022
#1	4126.1	114110.	8284.7
#2	4120.3	108590.	8558.9

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 20:57:30 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0003**	**.0126**	**.0000**	**.0000**	**.0016**	**.0001**	**.0001**	**-.0003**	**.0001**
Stddev	.0004	.0035	.0000	.000	.0000	.0001	.0000	.0086	.0000
%RSD	128.1	27.88	15.44	151.3	2.556	139.0	64.33	3379.	4.062
#1	.0000	.0151	.0000	.0000	.0016	.0000	.0000	-.0063	.0001
#2	-.0005	.0101	.0000	-.0001	.0016	.0002	.0001	.0058	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0001**	**-.0001**	**.0012**	**.4714**	**.0070**	**.0001**	**.0029**	**.2235**
Stddev	.0001	.0002	.0000	.0032	.0090	.0063	.0001	.0008	.0164
%RSD	78.95	193.5	28.72	264.4	1.906	90.10	56.85	25.92	7.343
#1	.0001	.0002	-.0001	-.0010	.4778	.0025	.0001	.0035	.2351
#2	.0003	.0000	-.0001	.0034	.4650	.0114	.0002	.0024	.2119

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0002**	**.0005**	**-.0013**	**.0040**	**.0109**	**-.0001**	**.0004**	**-.0012**	**.0007**
Stddev	.0000	.0003	.0006	.0005	.0014	.0006	.0001	.0003	.0001
%RSD	14.43	69.25	42.17	12.29	13.17	478.2	35.06	25.83	16.75
#1	.0002	.0007	-.0017	.0043	.0119	-.0006	.0004	-.0014	.0006
#2	.0002	.0002	-.0009	.0036	.0099	.0003	.0003	-.0010	.0008

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0002**	**.0009**	**-.0002**	**-.0027**	**.0002**	**-.0003**
Stddev	.0000	.0002	.0003	.0000	.0047	.0000	.0007
%RSD	24.29	78.51	28.42	8.144	178.1	2.717	226.6
#1	.0001	.0004	.0007	-.0002	.0007	.0002	.0002
#2	.0001	.0001	.0011	-.0002	-.0060	.0002	-.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4138.2**	**109710.**	**8323.3**
Stddev	19.5	179.	238.6
%RSD	.47103	.16331	2.8663
#1	4152.0	109580.	8154.6
#2	4124.4	109830.	8492.0

Zoom In Zoom Out

Sample Name: MC26890-3 Acquired: 12/12/2013 21:02:29 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	**.0000**	**.0529**	**.0019**	**.0094**	**.0884**	**.4311**	**-.0001**	**305.6**
Stddev	.000	.0302	.0006	.0003	.0000	.0016	.0001	1.3
%RSD	731.5	57.11	30.49	3.248	.0136	.3818	122.3	.4144
#1	-.0002	.0742	.0015	.0096	.0884	.4322	.0000	306.5
#2	.0001	.0315	.0023	.0092	.0884	.4299	-.0001	304.7

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	**.0008**	**.0032**	**.0002**	**.0007**	**.1104**	**24.20**	**104.7**	F **14.97**
Stddev	.0000	.0001	.0003	.0001	.0034	.03	.5	.16
%RSD	5.863	3.888	173.7	16.63	3.070	.1431	.4726	1.069
#1	.0007	.0032	.0004	.0008	.1080	24.22	105.1	15.08
#2	.0008	.0031	.0000	.0007	.1128	24.17	104.4	14.85

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	**.0019**	F **703.5**	**.0035**	**-.0013**	**-.0212**	F **-.0598**	**9.325**	**-.0016**
Stddev	.0000	5.6	.0001	.0002	.0008	.0001	.043	.0007
%RSD	.8625	.7930	3.494	11.48	3.602	.2413	.4600	47.13
#1	.0019	707.5	.0035	-.0012	-.0217	-.0597	9.356	-.0011
#2	.0019	699.6	.0034	-.0014	-.0206	-.0600	9.295	-.0021

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	**-.0018**	**4.032**	**-.0002**	**1.843**	**.0024**	**.0008**	**-.0002**	**-.0010**
Stddev	.0001	.018	.0002	.011	.0003	.0005	.0001	.0022
%RSD	8.466	.4477	109.8	.5860	12.51	61.32	37.86	227.8
#1	-.0017	4.045	.0000	1.850	.0022	.0004	-.0003	.0006
#2	-.0019	4.019	-.0003	1.835	.0026	.0011	-.0002	-.0026

Elem	Zn2062	Zr3391
Avg	**.0005**	**-.0193**
Stddev	.0000	.0007
%RSD	3.340	3.853
#1	.0005	-.0188
#2	.0005	-.0198

Zoom In Zoom Out

Sample Name: MC26890-3 Acquired: 12/12/2013 21:02:29 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3654.8**	**97936.**	**7943.7**
Stddev	18.9	686.	52.6
%RSD	.51807	.70045	.66164
#1	3641.4	97451.	7906.5
#2	3668.1	98421.	7980.8

Zoom In Zoom Out

Sample Name: MC26926-1 Acquired: 12/12/2013 21:07:33 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.0848**	**.0112**	**-.0016**	**.1102**	**.1917**	**.0000**	**171.6**	**-.0002**
Stddev	.000	.0175	.0001	.0005	.0005	.0048	.0001	2.8	.0001
%RSD	1185.	20.63	1.134	31.57	.4360	2.496	1153.	1.617	51.96
#1	.0001	.0725	.0113	-.0020	.1106	.1883	.0000	169.7	-.0001
#2	-.0001	.0972	.0111	-.0012	.1099	.1951	.0000	173.6	-.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0010**	**.0004**	**.0004**	**44.68**	**3.858**	**32.65**	**4.915**	**.0022**	**118.8**
Stddev	.0000	.0003	.0003	.36	.022	.44	.039	.0002	2.5
%RSD	.1118	70.30	75.82	.7990	.5814	1.362	.7837	7.781	2.102
#1	.0010	.0002	.0006	44.43	3.842	32.34	4.887	.0023	117.1
#2	.0010	.0006	.0002	44.93	3.874	32.97	4.942	.0020	120.6

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0002**	**-.0010**	**-.0068**	**-.0166**	**1.214**	**-.0013**	**.0009**	**10.03**	**.0002**
Stddev	.0001	.0002	.0008	.0004	.003	.0004	.0002	.01	.0000
%RSD	37.08	18.84	11.91	2.122	.2607	26.99	26.48	.1260	16.09
#1	.0001	-.0012	-.0063	-.0164	1.216	-.0016	.0011	10.04	.0002
#2	.0002	-.0009	-.0074	-.0169	1.212	-.0011	.0008	10.02	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.7467**	**.0016**	**-.0007**	**.0007**	**.0052**	**.0028**	**-.0546**
Stddev	.0133	.0001	.0001	.0001	.0022	.0001	.0004
%RSD	1.787	6.063	9.890	14.02	43.20	1.962	.7306
#1	.7373	.0017	-.0007	.0007	.0068	.0028	-.0549
#2	.7561	.0015	-.0006	.0006	.0036	.0028	-.0543

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3949.0**	**105330.**	**8249.7**
Stddev	6.8	165.	96.9
%RSD	.17131	.15628	1.1740
#1	3944.2	105450.	8318.1
#2	3953.8	105210.	8181.2

Zoom In Zoom Out

Sample Name: MC26926-2 Acquired: 12/12/2013 21:12:32 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.0654**	**.0089**	**-.0008**	**.1979**	**.2798**	**.0000**	**65.96**	**.0002**
Stddev	.0000	.0011	.0009	.0002	.0002	.0016	.000	.15	.0000
%RSD	9.544	1.610	9.597	26.47	.1189	.5803	99.78	.2271	14.74
#1	-.0001	.0661	.0083	-.0006	.1981	.2787	-.0001	65.85	.0003
#2	-.0001	.0646	.0095	-.0009	.1977	.2810	.0000	66.06	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0009**	**.0007**	**.0011**	**5.621**	**19.91**	**6.185**	**1.012**	**.0029**	**146.7**
Stddev	.0000	.0001	.0001	.043	.09	.040	.011	.0001	.1
%RSD	4.197	18.96	10.66	.7698	.4583	.6439	1.095	3.883	.0971
#1	.0009	.0006	.0012	5.590	19.85	6.213	1.020	.0028	146.6
#2	.0010	.0008	.0010	5.652	19.98	6.157	1.004	.0030	146.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0200**	**.0033**	**-.0041**	**-.0016**	**10.11**	**.0004**	**.0015**	**10.39**	**.0002**
Stddev	.0000	.0004	.0002	.0002	.01	.0000	.0004	.01	.0001
%RSD	.0016	12.68	4.426	12.46	.0878	.6463	25.65	.0731	27.28
#1	.0200	.0030	-.0040	-.0014	10.10	.0004	.0012	10.39	.0002
#2	.0200	.0036	-.0042	-.0017	10.11	.0004	.0018	10.40	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2599**	**.0012**	**-.0015**	**.0019**	**.0021**	**.0039**	**-.0589**
Stddev	.0002	.0002	.0002	.0001	.0001	.0001	.0009
%RSD	.0681	16.70	15.40	4.837	4.128	1.600	1.487
#1	.2600	.0011	-.0017	.0020	.0022	.0039	-.0583
#2	.2597	.0014	-.0013	.0019	.0021	.0039	-.0596

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3985.4**	**107380.**	**8480.1**
Stddev	4.2	974.	82.1
%RSD	.10661	.90691	.96788
#1	3988.4	106690.	8538.1
#2	3982.4	108060.	8422.0

Zoom In Zoom Out

Sample Name: MC26926-3 Acquired: 12/12/2013 21:17:26 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**.4195**	**.0109**	**-.0029**	**.1572**	**.3549**	**.0000**	**188.4**	**-.0002**
Stddev	.0004	.0150	.0004	.0010	.0006	.0031	.000	1.8	.0000
%RSD	177.7	3.576	3.478	33.72	.3882	.8729	140.1	.9562	5.753
#1	.0005	.4301	.0112	-.0022	.1576	.3527	-.0001	187.1	-.0002
#2	-.0001	.4089	.0106	-.0036	.1568	.3571	.0000	189.7	-.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0014**	**.0021**	**.0034**	**56.24**	**14.15**	**33.84**	**1.889**	**.0001**	F **345.0**
Stddev	.0000	.0003	.0000	.55	.12	.22	.002	.0000	3.7
%RSD	2.902	13.35	.7966	.9853	.8606	.6452	.1038	6.750	1.072
#1	.0015	.0023	.0033	55.84	14.07	33.69	1.888	.0001	342.4
#2	.0014	.0019	.0034	56.63	14.24	34.00	1.890	.0002	347.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0002**	**.0002**	**-.0048**	**-.0032**	**9.201**	**-.0010**	**.0025**	**13.93**	**.0002**
Stddev	.0001	.0008	.0006	.0017	.001	.0006	.0001	.01	.0001
%RSD	71.63	497.3	11.42	52.58	.0138	63.75	2.747	.0647	30.97
#1	-.0001	.0008	-.0044	-.0020	9.202	-.0014	.0025	13.94	.0002
#2	-.0002	-.0004	-.0052	-.0043	9.200	-.0005	.0024	13.93	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.034**	**.0083**	**-.0002**	**.0015**	**.0100**	**.0066**	**-.0766**
Stddev	.010	.0005	.0001	.0007	.0012	.0000	.0003
%RSD	.9958	6.034	23.30	50.26	12.44	.6635	.3626
#1	1.027	.0087	-.0002	.0020	.0091	.0067	-.0768
#2	1.041	.0080	-.0003	.0009	.0109	.0066	-.0764

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3840.8**	**103530.**	**8223.9**
Stddev	.7	93.	75.4
%RSD	.01721	.09002	.91679
#1	3840.3	103600.	8277.2
#2	3841.2	103460.	8170.6

Zoom In Zoom Out

Sample Name: MC26946-1 Acquired: 12/12/2013 21:22:24 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0005**	**.0621**	**-.0010**	**.0010**	**2.187**	**.0371**	**.0000**	**210.6**	**.0002**
Stddev	.0001	.0178	.0015	.0008	.007	.0005	.000	2.3	.0000
%RSD	18.93	28.66	144.3	73.78	.3309	1.275	250.3	1.110	13.33
#1	.0004	.0747	.0000	.0016	2.182	.0367	-.0001	209.0	.0002
#2	.0006	.0495	-.0021	.0005	2.193	.0374	.0000	212.3	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0004**	**.0007**	**.0008**	**3.127**	**2.124**	**36.59**	**5.244**	**.0000**	**182.6**
Stddev	.0001	.0001	.0002	.041	.032	.43	.006	.0000	2.0
%RSD	24.13	16.64	22.92	1.297	1.516	1.185	.1145	21700.	1.094
#1	-.0003	.0006	.0007	3.098	2.102	36.28	5.249	.0000	181.2
#2	-.0004	.0008	.0010	3.156	2.147	36.90	5.240	.0000	184.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0004**	**.0009**	**-.0133**	**-.0201**	**1.377**	**.0007**	**.0005**	**27.01**	**-.0001**
Stddev	.0001	.0001	.0011	.0025	.006	.0007	.0008	.07	.0001
%RSD	18.01	12.31	7.928	12.21	.4178	100.2	141.3	.2690	79.78
#1	-.0003	.0010	-.0126	-.0183	1.373	.0011	.0000	26.96	.0000
#2	-.0004	.0008	-.0141	-.0218	1.381	.0002	.0011	27.06	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.6494**	**.0020**	**-.0006**	**.0009**	**-.0023**	**.0078**	**-.1500**
Stddev	.0054	.0001	.0002	.0000	.0005	.0001	.0011
%RSD	.8263	5.024	38.90	3.872	23.72	1.436	.7178
#1	.6456	.0021	-.0008	.0008	-.0027	.0077	-.1492
#2	.6532	.0019	-.0005	.0009	-.0019	.0078	-.1508

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3872.7**	**105340.**	**8324.2**
Stddev	6.2	911.	73.2
%RSD	.16054	.86469	.87989
#1	3877.1	104700.	8375.9
#2	3868.3	105990.	8272.4

Zoom In Zoom Out

Sample Name: MC26975-3 Acquired: 12/12/2013 21:27:23 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.0090**	**-.0002**	**-.0004**	**.0023**	**-.0001**	**.0000**	**.0166**	**.0001**
Stddev	.0001	.0019	.0002	.0001	.0003	.0002	.000	.0025	.0000
%RSD	75.40	21.33	75.16	16.68	13.65	192.2	1.281	15.10	21.19
#1	-.0001	.0076	-.0001	-.0005	.0025	.0000	.0000	.0184	.0001
#2	-.0003	.0104	-.0004	-.0004	.0021	-.0003	.0000	.0148	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0001**	**.0000**	**.0072**	**.3039**	**.0035**	**.0003**	**.0000**	**.3846**
Stddev	.0000	.0001	.0004	.0038	.0390	.0091	.0000	.0002	.0057
%RSD	44.15	205.3	6068.	53.23	12.85	259.7	16.36	544.0	1.488
#1	.0001	.0001	-.0003	.0045	.3315	.0099	.0003	.0001	.3887
#2	.0001	.0000	.0003	.0099	.2763	-.0029	.0003	-.0001	.3806

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0001**	**-.0003**	**-.0007**	**.0017**	**.0097**	**.0005**	**.0010**	**.0351**	**.0004**
Stddev	.0000	.0004	.0000	.0007	.0013	.0003	.0000	.0008	.0003
%RSD	24.40	136.2	4.505	40.35	13.93	50.02	2.826	2.346	74.08
#1	-.0001	-.0006	-.0007	.0022	.0106	.0003	.0010	.0357	.0005
#2	-.0001	.0000	-.0007	.0012	.0087	.0007	.0010	.0346	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0002**	**-.0013**	**.0000**	**.0010**	**.0052**	**.0001**
Stddev	.000	.0000	.0002	.000	.0017	.0001	.0018
%RSD	765.7	11.55	14.34	1010.	165.8	1.045	2965.
#1	.0000	.0002	-.0014	.0001	-.0002	.0052	-.0012
#2	-.0001	.0002	-.0012	-.0001	.0022	.0051	.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4082.4**	**106700.**	**8382.6**
Stddev	1.5	4484.	11.0
%RSD	.03596	4.2028	.13136
#1	4081.3	109870.	8390.4
#2	4083.4	103530.	8374.8

Zoom In Zoom Out

Sample Name: MC26979-2 Acquired: 12/12/2013 21:32:22 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.0738**	**-.0002**	**-.0008**	**.5326**	**.3456**	**.0000**	**78.17**	**.0004**
Stddev	.000	.0148	.0005	.0004	.0033	.0010	.0000	.17	.0000
%RSD	586.3	20.05	231.8	52.48	.6208	.2953	231.9	.2196	6.086
#1	-.0001	.0634	.0001	-.0011	.5303	.3463	.0001	78.05	.0004
#2	.0001	.0843	-.0006	-.0005	.5350	.3449	.0000	78.30	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0011**	**.0012**	**.0285**	**13.83**	**7.868**	**.1381**	**.0006**	F **552.5**
Stddev	.0001	.0003	.0003	.0031	.02	.040	.0006	.0001	8.8
%RSD	51.58	24.20	23.49	10.98	.1577	.5128	.4313	15.79	1.586
#1	.0002	.0009	.0014	.0263	13.84	7.896	.1385	.0005	558.7
#2	.0001	.0012	.0010	.0308	13.81	7.839	.1377	.0006	546.3

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0003**	**-.0006**	**-.0045**	**.0001**	**9.910**	**.0000**	**.0011**	**5.861**	**.0000**
Stddev	.0001	.0001	.0005	.0003	.051	.000	.0013	.030	.000
%RSD	36.96	8.215	11.21	522.2	.5103	292.5	117.1	.5101	108.0
#1	.0002	-.0006	-.0042	-.0002	9.875	.0001	.0020	5.840	.0000
#2	.0004	-.0006	-.0049	.0003	9.946	-.0001	.0002	5.883	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4352**	**.0008**	**-.0002**	**-.0001**	**.0004**	**.0130**	**-.0306**
Stddev	.0020	.0001	.0002	.0001	.0046	.0000	.0000
%RSD	.4654	7.785	83.66	49.64	1210.	.1068	.1273
#1	.4337	.0008	-.0004	-.0002	.0037	.0130	-.0306
#2	.4366	.0009	-.0001	-.0001	-.0029	.0130	-.0305

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3840.4**	**101870.**	**8195.4**
Stddev	15.4	339.	22.8
%RSD	.40000	.33232	.27844
#1	3851.2	101630.	8179.2
#2	3829.5	102110.	8211.5

Zoom In Zoom Out

Sample Name: MC26979-4 Acquired: 12/12/2013 21:37:22 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0003**	**.0336**	**.0001**	**-.0005**	**.2629**	**.0497**	**.0000**	**22.86**	**.0002**
Stddev	.0001	.0211	.0002	.0005	.0008	.0003	.000	.06	.0001
%RSD	45.88	62.86	270.9	109.7	.2944	.5079	23.36	.2782	36.29
#1	-.0002	.0486	-.0001	-.0001	.2635	.0495	.0000	22.81	.0001
#2	-.0004	.0187	.0002	-.0008	.2624	.0499	-.0001	22.90	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0006**	**.0003**	**.0004**	**.2073**	**5.435**	**1.684**	**.5811**	**.0048**	**115.0**
Stddev	.0001	.0003	.0001	.0038	.046	.004	.0081	.0001	.4
%RSD	14.22	125.7	25.24	1.819	.8533	.2535	1.393	1.149	.3676
#1	.0006	.0005	.0005	.2047	5.402	1.681	.5754	.0048	115.3
#2	.0007	.0000	.0004	.2100	5.468	1.687	.5868	.0047	114.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0028**	**.0000**	**-.0018**	**.0004**	**11.79**	**.0001**	**.0012**	**5.092**	**.0002**
Stddev	.0000	.0004	.0024	.0010	.06	.0001	.0001	.023	.0001
%RSD	.0272	4734.	128.2	220.9	.4899	116.0	9.790	.4601	43.80
#1	.0028	-.0003	-.0035	.0011	11.83	.0000	.0013	5.109	.0001
#2	.0028	.0003	-.0002	-.0002	11.75	.0002	.0011	5.075	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1077**	**.0004**	**-.0009**	**.0001**	**.0024**	**.0134**	**-.0286**
Stddev	.0001	.0001	.0001	.0002	.0030	.0001	.0002
%RSD	.0718	15.47	12.06	436.4	121.8	.4940	.8351
#1	.1076	.0003	-.0009	-.0001	.0003	.0135	-.0288
#2	.1078	.0004	-.0008	.0002	.0046	.0134	-.0285

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4013.2**	**106820.**	**8324.2**
Stddev	16.1	1272.	22.2
%RSD	.40053	1.1908	.26687
#1	4001.8	107720.	8339.9
#2	4024.5	105920.	8308.5

Zoom In Zoom Out

Sample Name: MC26997-7F Acquired: 12/12/2013 21:42:16 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.1002**	**.0006**	**.0001**	**.0169**	**.0095**	**-.0001**	**17.47**	**.0001**
Stddev	.0003	.0123	.0006	.0003	.0000	.0000	.0000	.06	.0000
%RSD	138.0	12.31	104.4	336.6	.0737	.3654	13.12	.3416	17.24
#1	-.0004	.1089	.0002	-.0001	.0170	.0095	-.0001	17.51	.0001
#2	.0000	.0914	.0010	.0003	.0169	.0095	-.0001	17.43	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0006**	**.0112**	**.1168**	**1.997**	**1.149**	**.0104**	**.0083**	**27.50**
Stddev	.0001	.0002	.0001	.0023	.003	.049	.0001	.0000	.05
%RSD	176.0	37.05	1.185	1.936	.1600	4.273	.6180	.0349	.1797
#1	-.0001	.0004	.0111	.1184	1.995	1.184	.0104	.0083	27.46
#2	.0000	.0007	.0113	.1152	2.000	1.115	.0104	.0083	27.53

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0007**	**.0103**	**-.0010**	**.0012**	**2.740**	**.0009**	**.0029**	**1.481**	**.0005**
Stddev	.0001	.0004	.0011	.0006	.002	.0004	.0013	.002	.0002
%RSD	16.50	4.308	115.1	46.82	.0797	45.81	45.15	.1114	44.44
#1	.0006	.0106	-.0002	.0017	2.738	.0006	.0020	1.482	.0003
#2	.0007	.0100	-.0018	.0008	2.741	.0012	.0039	1.480	.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0572**	**.0022**	**-.0009**	**.0009**	**.0045**	**.0190**	**-.0101**
Stddev	.0000	.0000	.0003	.0000	.0032	.0000	.0002
%RSD	.0361	.0433	26.92	.0417	69.89	.1144	1.536
#1	.0572	.0022	-.0008	.0009	.0023	.0190	-.0100
#2	.0572	.0022	-.0011	.0009	.0068	.0190	-.0102

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4031.1**	**109350.**	**8355.5**
Stddev	5.9	73.	28.7
%RSD	.14755	.06700	.34342
#1	4026.9	109300.	8375.8
#2	4035.3	109400.	8335.2

Zoom In Zoom Out

Sample Name: MC26997-8F Acquired: 12/12/2013 21:47:13 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0004**	**.0862**	**.0016**	**-.0026**	**.0525**	**.4646**	**.0000**	**290.6**	**.0005**
Stddev	.0003	.0006	.0001	.0010	.0004	.0030	.000	1.4	.0001
%RSD	71.40	.7422	6.462	38.85	.7958	.6440	195.1	.4881	10.87
#1	-.0006	.0858	.0015	-.0033	.0522	.4624	.0000	291.6	.0006
#2	-.0002	.0867	.0017	-.0019	.0528	.4667	.0000	289.6	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0018**	**.0007**	**.0057**	**.0249**	**30.97**	**60.80**	**1.112**	**.0605**	F **1482.**
Stddev	.0001	.0000	.0003	.0001	.14	.54	.002	.0002	16.
%RSD	4.174	3.216	5.239	.4366	.4427	.8882	.1531	.2906	1.089
#1	.0017	.0007	.0059	.0248	30.87	61.19	1.113	.0604	1493.
#2	.0018	.0007	.0055	.0250	31.07	60.42	1.111	.0606	1470.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0076**	**-.0007**	**-.0152**	**.0006**	F **19.23**	**-.0007**	**.0060**	**4.130**	**.0003**
Stddev	.0001	.0006	.0009	.0043	.01	.0000	.0011	.008	.0001
%RSD	1.726	83.66	5.875	675.5	.0718	2.698	18.85	.1961	50.37
#1	.0077	-.0003	-.0145	-.0024	19.22	-.0006	.0052	4.124	.0004
#2	.0075	-.0011	-.0158	.0037	19.24	-.0007	.0069	4.135	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.413**	**.0025**	**.0016**	**.0003**	**.0072**	**.0071**	**-.0197**
Stddev	.004	.0002	.0007	.0001	.0034	.0002	.0003
%RSD	.2781	8.534	44.49	29.33	46.91	2.206	1.394
#1	1.410	.0024	.0022	.0003	.0096	.0070	-.0195
#2	1.416	.0027	.0011	.0002	.0048	.0072	-.0199

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3449.0**	**93309.**	**7975.3**
Stddev	.1	235.	87.3
%RSD	.00266	.25133	1.0950
#1	3449.1	93144.	7913.5
#2	3449.0	93475.	8037.0

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 21:52:11 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2439**	**9.633**	**1.955**	**-.0032**	**1.954**	**2.003**	**2.015**	**9.805**	**2.018**
Stddev	.0006	.032	.013	.0005	.011	.001	.001	.012	.013
%RSD	.2461	.3362	.6456	15.07	.5481	.0609	.0617	.1174	.6333
#1	.2434	9.656	1.964	-.0036	1.962	2.002	2.015	9.797	2.027
#2	.2443	9.610	1.946	-.0029	1.946	2.004	2.016	9.814	2.009

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.077**	**1.916**	**1.839**	**9.768**	**10.07**	**9.532**	**1.943**	**1.992**	**10.49**
Stddev	.013	.006	.004	.053	.03	.011	.002	.009	.01
%RSD	.6291	.3024	.2240	.5463	.3339	.1170	.1073	.4676	.1091
#1	2.086	1.912	1.837	9.730	10.05	9.540	1.941	1.998	10.50
#2	2.067	1.920	1.842	9.806	10.09	9.524	1.944	1.985	10.48

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.922**	**1.927**	**.0021**	**-.0097**	**.0058**	**1.980**	**2.005**	**.0182**	**1.985**
Stddev	.013	.011	.0017	.0015	.0017	.012	.011	.0016	.011
%RSD	.6508	.5610	82.40	15.47	28.79	.6063	.5561	8.983	.5767
#1	1.931	1.934	.0033	-.0087	.0046	1.988	2.013	.0193	1.993
#2	1.913	1.919	.0009	-.0108	.0070	1.971	1.997	.0170	1.977

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.790**	**1.918**	**1.933**	**1.919**	**-.0061**	**1.999**	**-.0083**
Stddev	.001	.007	.009	.006	.0018	.010	.0004
%RSD	.0405	.3443	.4858	.3232	28.81	.5104	5.133
#1	1.790	1.913	1.940	1.914	-.0073	2.006	-.0080
#2	1.789	1.923	1.927	1.923	-.0049	1.992	-.0086

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4105.5**	**110170.**	**8378.4**
Stddev	18.9	95.	43.8
%RSD	.46025	.08661	.52301
#1	4092.1	110230.	8409.4
#2	4118.8	110100.	8347.4

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 21:56:57 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0006**	**.0096**	**-.0001**	**-.0004**	**.0021**	**-.0001**	**.0001**	**.0039**	**.0003**
Stddev	.0003	.0038	.0000	.0003	.0002	.0000	.0000	.0018	.0000
%RSD	52.56	39.93	13.72	79.86	10.43	17.84	41.79	45.50	3.400
#1	-.0004	.0069	-.0001	-.0002	.0022	-.0001	.0001	.0052	.0003
#2	-.0008	.0123	-.0001	-.0006	.0019	-.0001	.0000	.0027	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0002**	**-.0003**	**-.0006**	**.2009**	**.0222**	**.0000**	**.0029**	**.5376**
Stddev	.0000	.0001	.0001	.0024	.0023	.0194	.0000	.0006	.0377
%RSD	2.189	67.23	35.41	418.6	1.146	87.43	175.5	21.23	7.021
#1	.0002	.0001	-.0004	.0011	.2025	.0085	.0000	.0034	.5643
#2	.0002	.0002	-.0002	-.0023	.1993	.0359	.0000	.0025	.5109

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**.0001**	**-.0008**	**-.0014**	**.0053**	**.0002**	**.0012**	**-.0048**	**.0005**
Stddev	.0000	.0004	.0008	.0028	.0012	.0002	.0009	.0000	.0001
%RSD	29.92	277.8	97.16	204.8	22.82	108.3	70.17	.5761	24.66
#1	.0001	-.0001	-.0002	-.0033	.0045	.0001	.0019	-.0048	.0006
#2	.0002	.0004	-.0013	.0006	.0062	.0004	.0006	-.0048	.0005

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0004**	**.0009**	**-.0002**	**-.0005**	**.0001**	**-.0005**
Stddev	.0000	.0002	.0003	.0001	.0009	.0000	.0005
%RSD	31.59	46.94	33.48	45.33	160.7	7.185	97.56
#1	.0001	.0003	.0006	-.0003	.0001	.0002	-.0002
#2	.0002	.0006	.0011	-.0001	-.0012	.0001	-.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4057.6**	**108900.**	**8268.8**
Stddev	4.3	452.	24.8
%RSD	.10539	.41468	.29967
#1	4054.5	108580.	8286.4
#2	4060.6	109220.	8251.3

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 22:01:56 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0004**	**.0048**	**.0036**	**-.0006**	**.0011**	**-.0002**	**.0000**	**-.0026**	**.0002**
Stddev	.0002	.0027	.0001	.0005	.0000	.0003	.0000	.0019	.0000
%RSD	42.26	55.50	2.985	77.89	3.984	151.0	155.1	74.85	.2406
#1	-.0005	.0067	.0035	-.0010	.0011	.0000	.0000	-.0012	.0002
#2	-.0003	.0029	.0036	-.0003	.0011	-.0004	.0000	-.0039	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0053**	**-.0002**	**.0043**	**.1777**	**.0124**	**.0000**	**.0009**	**.4463**
Stddev	.0000	.0001	.0000	.0019	.0197	.0486	.000	.0001	.0025
%RSD	12.05	2.062	17.43	44.54	11.10	392.9	254.3	8.448	.5685
#1	.0001	.0054	-.0001	.0057	.1638	-.0220	.0000	.0009	.4481
#2	.0002	.0052	-.0002	.0030	.1917	.0467	.0000	.0008	.4445

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0004**	**.0032**	**-.0011**	**.0016**	**.0028**	**-.0005**	**.0006**	**-.0007**	**.0004**
Stddev	.0001	.0004	.0016	.0014	.0001	.0006	.0002	.0006	.0001
%RSD	15.22	12.52	141.8	86.91	2.848	138.0	35.02	80.61	22.08
#1	.0004	.0034	.0000	.0025	.0028	.0000	.0004	-.0011	.0005
#2	.0003	.0029	-.0022	.0006	.0027	-.0009	.0007	-.0003	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0003**	**.0017**	**-.0002**	**-.0009**	**.0001**	**-.0007**
Stddev	.0000	.0002	.0003	.0001	.0041	.0000	.0008
%RSD	30.06	77.63	19.55	81.33	441.5	22.70	117.2
#1	.0001	.0001	.0015	-.0001	-.0038	.0001	-.0012
#2	.0000	.0005	.0020	-.0003	.0020	.0000	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4069.3	108820.	8250.2
Stddev	18.4	2502.	6.1
%RSD	.45139	2.2994	.07434
#1	4082.3	110590.	8245.8
#2	4056.3	107050.	8254.5

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 22:06:55 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0021**	**.0116**	**.0008**	**-.0008**	**.0008**	**.0209**	**.0011**	**-.0009**	**.0001**
Stddev	.0004	.0064	.0004	.0002	.0002	.0002	.0000	.0004	.0000
%RSD	18.49	54.90	47.51	20.66	27.04	.8795	1.787	46.09	15.20
#1	.0023	.0071	.0011	-.0009	.0006	.0208	.0011	-.0012	.0002
#2	.0018	.0161	.0005	-.0007	.0009	.0211	.0011	-.0006	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0011**	**.0096**	**.0012**	**.1750**	**.0260**	**-.0001**	**.0005**	**.3776**
Stddev	.0001	.0001	.0002	.0002	.0226	.0107	.0000	.0001	.0051
%RSD	84.27	7.682	1.972	20.20	12.94	41.24	21.99	22.00	1.343
#1	.0000	.0011	.0094	.0010	.1590	.0336	-.0001	.0005	.3812
#2	.0001	.0010	.0097	.0013	.1910	.0184	-.0001	.0004	.3740

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0105**	**-.0003**	**-.0003**	**.0039**	**.0040**	**.0031**	**.0057**	**.0002**	**.0004**
Stddev	.0001	.0001	.0003	.0048	.0001	.0004	.0027	.0000	.0000
%RSD	.4869	16.80	105.4	124.3	3.200	11.28	47.17	.9989	7.967
#1	.0104	-.0003	-.0005	.0073	.0039	.0034	.0076	.0002	.0003
#2	.0105	-.0004	-.0001	.0005	.0041	.0029	.0038	.0002	.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0048**	**.0001**	**.0005**	**-.0028**	**.0002**	**-.0011**
Stddev	.0001	.0000	.0002	.0003	.0003	.0000	.0000
%RSD	193.7	.5826	144.4	69.13	12.50	19.16	4.404
#1	.0001	.0048	.0003	.0002	-.0030	.0002	-.0011
#2	.0000	.0048	.0000	.0007	-.0025	.0002	-.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4069.9	109310.	8339.9
Stddev	8.0	152.	79.9
%RSD	.19633	.13928	.95852
#1	4075.5	109410.	8283.4
#2	4064.2	109200.	8396.5

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/12/2013 22:11:53 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0045**	**.2167**	**.0031**	**-.0007**	**.1013**	**.0509**	**.0041**	**4.894**	**.0043**
Stddev	.0001	.0176	.0003	.0002	.0001	.0004	.0000	.009	.0001
%RSD	3.200	8.104	10.70	26.41	.0923	.7679	.5783	.1740	1.740
#1	.0044	.2292	.0034	-.0006	.1013	.0506	.0041	4.900	.0043
#2	.0046	.2043	.0029	-.0009	.1014	.0512	.0041	4.888	.0044

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0536**	**.0097**	**.0225**	**.1039**	**5.134**	**4.783**	**.0150**	**.1039**	**5.344**
Stddev	.0001	.0002	.0001	.0018	.028	.057	.0001	.0000	.017
%RSD	.1322	1.997	.6202	1.725	.5449	1.181	.3410	.0408	.3238
#1	.0535	.0095	.0226	.1051	5.114	4.823	.0150	.1039	5.332
#2	.0536	.0098	.0224	.1026	5.154	4.743	.0149	.1038	5.357

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0405**	**.0050**	**-.0004**	**.0008**	**.0028**	**.0062**	**.0100**	**.0151**	**.1017**
Stddev	.0001	.0002	.0001	.0018	.0006	.0011	.0000	.0005	.0000
%RSD	.2702	4.070	39.40	227.0	21.35	17.76	.4457	3.231	.0141
#1	.0406	.0049	-.0003	-.0005	.0032	.0070	.0100	.0154	.1017
#2	.0405	.0051	-.0005	.0020	.0024	.0055	.0100	.0147	.1016

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0089**	**.0490**	**.0050**	**.0097**	**-.0004**	**.0216**	**-.0017**
Stddev	.0001	.0001	.0006	.0004	.0039	.0000	.0001
%RSD	.6309	.2259	12.74	4.629	892.3	.1975	7.057
#1	.0090	.0489	.0045	.0100	.0023	.0215	-.0017
#2	.0089	.0491	.0054	.0094	-.0032	.0216	-.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4052.5	109230.	8235.0
Stddev	10.3	148.	47.1
%RSD	.25527	.13558	.57218
#1	4059.8	109120.	8201.7
#2	4045.1	109330.	8268.3

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/12/2013 22:16:46 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**522.5**	**-.0005**	**-.0041**	**.0012**	**.0000**	**.0000**	**455.4**	**.0002**
Stddev	.0002	3.1	.0009	.0009	.0003	.000	.0001	.6	.0000
%RSD	82.80	.6003	190.4	21.07	24.77	1860.	2309.	.1224	5.526
#1	-.0001	524.7	.0002	-.0047	.0010	.0000	.0001	455.7	.0002
#2	-.0004	520.3	-.0011	-.0035	.0014	.0000	-.0001	455.0	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0008**	**-.0005**	**.0005**	**186.7**	**.2323**	**493.6**	**-.0004**	**-.0028**	**.4106**
Stddev	.0001	.0001	.0001	1.4	.0267	4.1	.0000	.0002	.0109
%RSD	7.195	23.86	10.98	.7319	11.51	.8337	8.118	7.185	2.656
#1	.0009	-.0006	.0006	187.6	.2134	496.5	-.0005	-.0029	.4029
#2	.0008	-.0004	.0005	185.7	.2512	490.7	-.0004	-.0027	.4184

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0019**	**.0006**	**-.0015**	**-.0010**	**.0965**	**.0005**	**-.0020**	**.0353**	**-.0014**
Stddev	.0004	.0001	.0009	.0016	.0016	.0024	.0023	.0009	.0000
%RSD	18.31	13.48	57.06	152.1	1.698	525.5	114.9	2.500	.0885
#1	-.0022	.0006	-.0021	.0001	.0953	-.0012	-.0037	.0347	-.0014
#2	-.0017	.0007	-.0009	-.0022	.0976	.0022	-.0004	.0359	-.0014

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0079**	**.0055**	**-.0001**	**.0001**	**-.0193**	**.0011**	**.0020**
Stddev	.0000	.0003	.0011	.0003	.0024	.0000	.0001
%RSD	.0858	4.605	2183.	244.2	12.29	2.766	6.276
#1	-.0079	.0053	.0007	-.0001	-.0210	.0011	.0021
#2	-.0079	.0057	-.0008	.0003	-.0176	.0011	.0019

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3675.8	100490.	8010.7
Stddev	1.2	237.	29.6
%RSD	.03257	.23550	.37003
#1	3675.0	100320.	7989.7
#2	3676.7	100660.	8031.7

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/12/2013 22:21:43 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**1.037**	**520.9**	**2.108**	**.4656**	**.9608**	**.5236**	**.4755**	**444.6**	**1.040**
Stddev	.001	1.7	.003	.0023	.0018	.0009	.0022	1.4	.000
%RSD	.0948	.3356	.1572	.4907	.1828	.1763	.4644	.3082	.0221
#1	1.038	522.1	2.110	.4640	.9621	.5230	.4771	443.7	1.040
#2	1.036	519.6	2.106	.4672	.9596	.5243	.4739	445.6	1.040

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4726**	**.4578**	**.4627**	**183.9**	**.2269**	**486.5**	**.4626**	**.9669**	**.4191**
Stddev	.0003	.0008	.0021	1.3	.0263	3.5	.0009	.0015	.0318
%RSD	.0620	.1713	.4482	.7085	11.58	.7115	.1845	.1527	7.582
#1	.4728	.4584	.4642	184.8	.2454	488.9	.4620	.9658	.4416
#2	.4724	.4573	.4612	183.0	.2083	484.1	.4632	.9679	.3967

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.8345**	**.8591**	**.4978**	**.4829**	**.5103**	**2.058**	**2.062**	**4.472**	**.9382**
Stddev	.0013	.0014	.0022	.0040	.0019	.003	.001	.005	.0018
%RSD	.1580	.1666	.4443	.8324	.3761	.1564	.0225	.1148	.1955
#1	.8354	.8601	.4993	.4801	.5089	2.060	2.063	4.475	.9394
#2	.8336	.8581	.4962	.4858	.5116	2.055	2.062	4.468	.9369

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.8830**	**.4724**	**1.774**	**.4740**	**1.926**	**.9193**	**.3601**
Stddev	.0026	.0005	.004	.0000	.021	.0005	.0017
%RSD	.2912	.1158	.2387	.0094	1.108	.0532	.4787
#1	.8848	.4728	1.777	.4740	1.911	.9189	.3588
#2	.8812	.4720	1.771	.4740	1.941	.9196	.3613

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3692.5**	**100270.**	**8056.7**
Stddev	3.7	156.	24.3
%RSD	.10095	.15584	.30136
#1	3689.9	100380.	8073.8
#2	3695.1	100160.	8039.5

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/12/2013 22:26:33 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2428**	**9.572**	**1.970**	**-.0015**	**1.969**	**1.988**	**2.007**	**9.789**	**2.054**
Stddev	.0011	.021	.019	.0012	.019	.005	.003	.023	.023
%RSD	.4491	.2215	.9443	80.31	.9589	.2782	.1270	.2384	1.111
#1	.2436	9.587	1.957	-.0006	1.955	1.992	2.009	9.806	2.037
#2	.2421	9.557	1.983	-.0023	1.982	1.984	2.005	9.773	2.070

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.107**	**1.895**	**1.810**	**9.819**	**9.896**	**9.533**	**1.919**	**2.021**	**10.13**
Stddev	.023	.009	.000	.011	.001	.000	.007	.026	.00
%RSD	1.111	.4814	.0115	.1093	.0076	.0026	.3536	1.303	.0091
#1	2.090	1.901	1.810	9.812	9.897	9.533	1.924	2.002	10.13
#2	2.123	1.889	1.811	9.827	9.896	9.533	1.914	2.039	10.14

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.933**	**1.945**	**.0014**	**-.0070**	**.0044**	**2.004**	**2.037**	**.0162**	**2.006**
Stddev	.019	.019	.0000	.0010	.0010	.020	.022	.0012	.021
%RSD	.9775	.9999	1.592	14.61	23.34	1.016	1.101	7.179	1.062
#1	1.920	1.931	.0015	-.0077	.0052	1.989	2.021	.0153	1.991
#2	1.946	1.958	.0014	-.0062	.0037	2.018	2.053	.0170	2.021

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	F **1.770**	**1.896**	**1.946**	**1.902**	**.0034**	**2.031**	**.0412**
Stddev	.005	.009	.020	.007	.0007	.021	.0106
%RSD	.2773	.4915	1.035	.3842	19.94	1.022	25.86
#1	1.774	1.903	1.931	1.907	.0038	2.017	.0487
#2	1.767	1.890	1.960	1.897	.0029	2.046	.0336

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4037.6**	**110630.**	**8293.2**
Stddev	38.4	632.	46.9
%RSD	.95022	.57097	.56528
#1	4064.7	110180.	8260.0
#2	4010.5	111080.	8326.3

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/12/2013 22:31:18 Type: Unk
Method: Accutest -SS1 with S(v271) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.0035**	**-.0005**	**-.0009**	**.0022**	**-.0001**	**.0001**	**.0075**	F **.0004**
Stddev	.0001	.0012	.0001	.0007	.0001	.0003	.0000	.0003	.0000
%RSD	220.0	34.04	31.08	71.64	3.914	529.5	53.79	3.790	7.032
#1	.0000	.0027	-.0006	-.0005	.0023	-.0003	.0001	.0073	.0004
#2	-.0001	.0043	-.0004	-.0014	.0021	.0001	.0001	.0077	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0004**	**.0005**	**-.0003**	**.0039**	**.1261**	**.0204**	**.0000**	**.0034**	**.3174**
Stddev	.0002	.0003	.0001	.0003	.0102	.0036	.0000	.0007	.0042
%RSD	58.51	55.12	21.03	8.179	8.062	17.58	37.46	19.60	1.319
#1	.0002	.0007	-.0004	.0041	.1190	.0229	.0000	.0038	.3204
#2	.0006	.0003	-.0003	.0036	.1333	.0178	.0000	.0029	.3144

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0002**	**.0005**	**-.0012**	**.0015**	**.0016**	**.0005**	**.0014**	**-.0050**	**.0006**
Stddev	.0000	.0000	.0018	.0007	.0013	.0005	.0015	.0011	.0002
%RSD	.5378	10.37	155.1	48.81	83.97	90.12	105.9	23.04	24.68
#1	.0002	.0004	.0001	.0010	.0025	.0008	.0003	-.0058	.0005
#2	.0002	.0005	-.0025	.0020	.0006	.0002	.0024	-.0041	.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0004**	**.0012**	**.0002**	**-.0002**	**.0004**	**-.0009**
Stddev	.0000	.0000	.0007	.0002	.0003	.0002	.0003
%RSD	12.71	3.402	58.98	68.52	197.4	45.49	30.00
#1	.0002	.0004	.0018	.0003	-.0004	.0003	-.0011
#2	.0001	.0004	.0007	.0001	.0001	.0005	-.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4018.2**	**108680.**	**8284.7**
Stddev	13.9	284.	4.5
%RSD	.34714	.26091	.05397
#1	4008.4	108880.	8281.5
#2	4028.1	108480.	8287.8

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	0.000004	0.000000	No
			Co	0.000007	0.000000	No
			Mn	0.000117	0.000000	No
			Mo	-0.000064	0.000000	No
			Cu	0.000004	0.000000	No
			Ti	-0.000067	0.000000	No
			Al	-0.000001	0.000000	No
			Zr	0.005523	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.002154	0.000000	No
			Mo	0.045639	0.000000	No
			Ca	0.000849	0.000000	No
As 189.042 {479}	☒	10	V	-0.000041	0.000000	No
			Al	-0.000002	0.000000	No
			Mo	0.000104	0.000000	No
			Fe	-0.000002	0.000000	No
			Mn	-0.000054	0.000000	No
			Ca	0.000001	0.000000	No
			Mg	-0.000001	0.000000	No
			Cr	0.000311	0.000000	No
			Na	-0.000002	0.000000	No
			Co	-0.001649	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000260	0.000000	No
			Mn	0.011376	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.051849	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000009	0.000000	No
Be 313.042 {108}	☒	3	V	0.000458	0.000000	No
			Mo	-0.000020	0.000000	No
			Ti	-0.000304	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	4	Ni	-0.000027	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000031	0.000000	No
			Ca	0.000000	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000059	0.000000	No
			Mo	-0.000045	0.000000	No
			Ti	0.001924	0.000000	No
			Ca	0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000002	0.000000	No
			Mn	0.000203	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000100	0.000000	No
			V	-0.000112	0.000000	No
			Mo	-0.000003	0.000000	No
			Co	-0.000511	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000600	0.000000	No
			Co	-0.000015	0.000000	No
			Cr	0.000162	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000003	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000578	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Al	0.000598	0.000000	No
Ni 231.604 {446}	☒	3	Mo	-0.000403	0.000000	No
			Fe	0.000021	0.000000	No
			Ca	-0.000000	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000084	0.000000	No
			Mn	0.000082	0.000000	No
			Mo	-0.001171	0.000000	No
			Co	0.000025	0.000000	No
			Cu	0.000067	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	0.000043	0.000000	No
			Mg	0.000003	0.000000	No
			Ni	0.000265	0.000000	No
			Si	0.000030	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000342	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.006177	0.000000	No
			Ni	0.000902	0.000000	No
			Mn	-0.001770	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
S 182.034 {485}	☒	3	Al	-0.000108	0.000000	No
			Ca	-0.000041	0.000000	No
			Fe	-0.000134	0.000000	No
Sb 206.833 {463}	☒	11	Al	0.000004	0.000000	No
			Fe	0.000039	0.000000	No
			Cr	0.006335	0.000000	No
			Mo	-0.001026	0.000000	No
			Mg	0.000001	0.000000	No
			Ni	-0.000189	0.000000	No
			V	-0.001826	0.000000	No
			Ca	-0.000002	0.000000	No
			Ti	-0.000106	0.000000	No
			Cu	-0.000042	0.000000	No
			Sn	-0.009353	0.000000	No
Se 196.090 {472}	☒	7	Al	-0.000001	0.000000	No
			Fe	-0.000322	0.000000	No
			Mn	0.000772	0.000000	No
			Mo	0.000211	0.000000	No
			Ca	-0.000005	0.000000	No
			Na	-0.000001	0.000000	No
			Co	-0.000789	0.000000	No
Si 212.412 {459}	☒	3	V	0.030413	0.000000	No
			Ti	0.006483	0.000000	No
			Mo	0.043276	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.001480	0.000000	No
			Cr	0.000243	0.000000	No
			V	-0.039703	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Co	0.004887	0.000000	No
				Al	-0.000003	0.000000	No
				Fe	0.000005	0.000000	No
				Ti	-0.002460	0.000000	No
				Mo	-0.000063	0.000000	No
				Ca	-0.000004	0.000000	No
				Na	-0.000002	0.000000	No
	V 292.402 {115}	☒	3	Ti	0.000445	0.000000	No
				Mo	-0.003162	0.000000	No
				Fe	0.000018	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000141	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000003	0.000000	No
				Mn	0.000018	0.000000	No
				Ni	0.000039	0.000000	No
				Cr	-0.000497	0.000000	No
				Mo	0.000207	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000006	0.000000	No
				Na	0.000004	0.000000	No
	Zr 339.198 { 99}	☒	5	Si	0.005567	0.000000	No
				Ti	0.000761	0.000000	No
				Fe	0.000014	0.000000	No
				Sn	0.002851	0.000000	No
				V	0.002032	0.000000	No

```
                                Folder:   #HG21    **PUBLIC FOLDER **   Page    1
08:35:08 17 Dec 2013            Protocol:
                               ***POST-RUN REPORT***
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  328     13:29:16 16 Dec 13   HG

Hg    .000    ppb       15                                                    =
*** Standard: 2 Rep: 1              Seq:  329     13:31:49 16 Dec 13   HG

Hg    .200    ppb       1924                                                  =
*** Standard: 3 Rep: 1              Seq:  330     13:34:12 16 Dec 13   HG

Hg    .500    ppb       4752                                                  =
*** Standard: 4 Rep: 1              Seq:  331     13:36:37 16 Dec 13   HG

Hg    1.00    ppb       9472                                                  =
*** Standard: 5 Rep: 1              Seq:  332     13:39:10 16 Dec 13   HG

Hg    2.00    ppb       19123                                                 =
*** Standard: 6 Rep: 1              Seq:  333     13:41:43 16 Dec 13   HG

Hg    3.00    ppb       28640                                                 =
*** Standard: 7 Rep: 1              Seq:  334     13:44:07 16 Dec 13   HG

Hg    4.00    ppb       37176                                                 =
*** Standard: 8 Rep: 1              Seq:  335     13:46:30 16 Dec 13   HG

Hg    5.00    ppb       48048                                                 =
*** Standard: 9 Rep: 1              Seq:  336     13:48:54 16 Dec 13   HG

Hg    6.00    ppb       56575                                                 =
*** Sample ID: ICV        H2121613S2 Seq:  337     13:52:17 16 Dec 13   HG

Hg    3.85    ppb        .000       3.85                                      =
===============================================================================
*** Sample ID: ICB        H2121613S2 Seq:  338     13:54:59 16 Dec 13   HG

Hg   -.014    ppb        .000      -.014                                      =
===============================================================================
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Sample ID: CCV        H2121613S2 Seq:  339    13:57:42 16 Dec 13   HG

Hg    3.04    ppb       .000      3.04
                                                                        =
================================================================================
*** Sample ID: CCB        H2121613S2 Seq:  340    14:00:26 16 Dec 13   HG

Hg   -.006    ppb       .000     -.006
                                                                        =
================================================================================
*** Sample ID: CRI        H2121613S2 Seq:  341    14:02:51 16 Dec 13   HG

Hg    .195    ppb       .000      .195
                                                                        =
================================================================================
*** Sample ID: MP22259MB1 H2121613S2 Seq:  342    14:09:12 16 Dec 13   HG

Hg    .001    ppb       .000      .001
                                                                        =
================================================================================
*** Sample ID: MP22259-B1 H2121613S2 Seq:  343    14:11:36 16 Dec 13   HG

Hg    3.02    ppb       .000      3.02
                                                                        =
================================================================================
*** Sample ID: MP22259-B2 H2121613S2 Seq:  344    14:14:01 16 Dec 13   HG

Hg    2.99    ppb       .000      2.99
                                                                        =
================================================================================
*** Sample ID: MP22259-S1 H2121613S2 Seq:  345    14:16:23 16 Dec 13   HG
                           MC27138-11
Hg    3.48    ppb       .000      3.48
                                                                        =
================================================================================
*** Sample ID: MP22259-S2 H2121613S2 Seq:  346    14:18:46 16 Dec 13   HG
                           MC27138-11
Hg    3.88    ppb       .000      3.88
                                                                        =
================================================================================
*** Sample ID: MC27138-11 H2121613S2 Seq:  347    14:21:08 16 Dec 13   HG

Hg    .678    ppb       .000      .678
                                                                        =
================================================================================
*** Sample ID: MP22259LC1 H2121613S2 Seq:  348    14:23:31 16 Dec 13   HG
                                                  Wgt 1.0000 Vol 10.000
Hg    24.6    ppb       .000      24.6
                                                                        =
================================================================================
```

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC26697-1 H2121613S2 Seq: 349 14:25:53 16 Dec 13 HG								
Hg	1.09	ppb	.000	1.09				
*** Sample ID: MC26697-2 H2121613S2 Seq: 350 14:28:15 16 Dec 13 HG								
Hg	1.22	ppb	.000	1.22				
*** Sample ID: CCV H2121613S2 Seq: 351 14:30:47 16 Dec 13 HG								
Hg	3.05	ppb	.000	3.05				
*** Sample ID: CCB H2121613S2 Seq: 352 14:33:19 16 Dec 13 HG								
Hg	-.015	ppb	.000	-.015				
*** Sample ID: MC26697-3 H2121613S2 Seq: 353 14:35:55 16 Dec 13 HG								
Hg	1.15	ppb	.000	1.15				
*** Sample ID: MC26697-4 H2121613S2 Seq: 354 14:38:33 16 Dec 13 HG								
Hg	1.16	ppb	.000	1.16				
*** Sample ID: MC26697-5 H2121613S2 Seq: 355 14:40:57 16 Dec 13 HG								
Hg	1.36	ppb	.000	1.36				
*** Sample ID: MC26885-1 H2121613S2 Seq: 356 14:43:29 16 Dec 13 HG								
Hg	.176	ppb	.000	.176				
*** Sample ID: MC26885-2 H2121613S2 Seq: 357 14:46:21 16 Dec 13 HG								
Hg	.014	ppb	.000	.014				
*** Sample ID: MC26885-3 H2121613S2 Seq: 358 14:48:45 16 Dec 13 HG								
Hg	.022	ppb	.000	.022				

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: MC26964-1 H2121613S2 Seq: 359 14:51:33 16 Dec 13 HG									
Hg	.810	ppb	.000	.810					=
*** Sample ID: MC26964-2 H2121613S2 Seq: 360 14:53:54 16 Dec 13 HG									
Hg	.445	ppb	.000	.445					=
*** Sample ID: MC26964-3 H2121613S2 Seq: 361 14:56:21 16 Dec 13 HG									
Hg	.138	ppb	.000	.138					=
*** Sample ID: MC26964-4 H2121613S2 Seq: 362 14:58:43 16 Dec 13 HG									
Hg	4.18	ppb	.000	4.18					=
*** Sample ID: CCV H2121613S2 Seq: 363 15:01:05 16 Dec 13 HG									
Hg	3.07	ppb	.000	3.07					=
*** Sample ID: CCB H2121613S2 Seq: 364 15:03:40 16 Dec 13 HG									
Hg	-.008	ppb	.000	-.008					=
*** Sample ID: MC26964-8 H2121613S2 Seq: 365 15:06:02 16 Dec 13 HG									
Hg	.402	ppb	.000	.402					=
*** Sample ID: MC27080-1 H2121613S2 Seq: 366 15:08:25 16 Dec 13 HG									
Hg	-.003	ppb	.000	-.003					=
*** Sample ID: MC27093-1 H2121613S2 Seq: 367 15:10:58 16 Dec 13 HG									
Hg	1.18	ppb	.000	1.18					=
*** Sample ID: MC27138-12 H2121613S2 Seq: 368 15:13:24 16 Dec 13 HG									
Hg	.231	ppb	.000	.231					=

```
                                Folder:   #HG21    **PUBLIC FOLDER **   Page    5
08:35:08 17 Dec 2013            Protocol:
                               ***POST-RUN REPORT***
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Sample ID: MC27138-13 H2121613S2 Seq:  369    15:16:00 16 Dec 13   HG

Hg    .148    ppb       .000      .148
                                                                              =
===============================================================================
*** Sample ID: MC27138-14 H2121613S2 Seq:  370    15:19:03 16 Dec 13   HG

Hg    .165    ppb       .000      .165
                                                                              =
===============================================================================
*** Sample ID: MC27138-15 H2121613S2 Seq:  371    15:21:34 16 Dec 13   HG

Hg    .169    ppb       .000      .169
                                                                              =
===============================================================================
*** Sample ID: CRI        H2121613S2 Seq:  372    15:26:26 16 Dec 13   HG

Hg    .197    ppb       .000      .197
                                                                              =
===============================================================================
*** Sample ID: CCV        H2121613S2 Seq:  373    15:30:49 16 Dec 13   HG

Hg    3.14    ppb       .000      3.14
                                                                              =
===============================================================================
*** Sample ID: CCB        H2121613S2 Seq:  374    15:33:11 16 Dec 13   HG

Hg   -.032    ppb       .000     -.032
                                                                              =
```

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 12/13/2013 10:05:00 Type: Cal
Method: Accutest -SS2 with S(v258) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0023	.0009	-.0002	-.0001	.0026	.0085	.0000	.0034	.0044
Stddev	.0002	.0001	.0003	.0001	.0001	.0002	.0001	.0001	.0003
%RSD	8.918	10.82	211.8	47.41	4.834	2.537	178.4	4.212	5.755
#1	-.0022	.0009	-.0004	-.0002	.0025	.0087	.0000	.0033	.0042
#2	-.0025	.0010	.0001	-.0001	.0026	.0084	.0001	.0035	.0046

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0017	.0000	.0185	.0005	.0022	-.0001	.0004	.0009	.0020
Stddev	.0003	.000	.0001	.0001	.0008	.0002	.0000	.0002	.0008
%RSD	17.66	140.0	.7495	10.63	35.28	254.3	2.567	18.96	40.98
#1	-.0019	.0000	.0186	.0005	.0016	-.0003	.0004	.0011	.0026
#2	-.0015	.0000	.0184	.0005	.0027	.0001	.0004	.0008	.0015

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0026	-.0009	-.0001	.0000	.0062	.0015	.0021	.0291	-.0002
Stddev	.0005	.0008	.0001	.0000	.0002	.0002	.0001	.0005	.0003
%RSD	18.09	90.22	163.9	53980.	3.457	14.80	5.415	1.784	165.0
#1	-.0029	-.0003	-.0002	.0000	.0061	.0016	.0022	.0287	-.0003
#2	-.0023	-.0015	.0000	.0000	.0064	.0013	.0020	.0295	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0055	-.0005	-.0043	-.0001	.0001	-.0011	.0264
Stddev	.0001	.0001	.0002	.0000	.0001	.0008	.0001
%RSD	.9852	10.39	5.376	51.07	55.07	75.40	.4012
#1	.0054	-.0005	-.0045	-.0001	.0001	-.0005	.0263
#2	.0055	-.0005	-.0041	-.0001	.0002	-.0016	.0264

◀ Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 12/13/2013 10:05:00 Type: Cal
Method: Accutest -SS2 with S(v258) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1289.8	52367.	18158.
Stddev	3.5	216.	40.
%RSD	.27172	.41287	.22296
#1	1292.3	52520.	18187.
#2	1287.4	52214.	18129.

◀ Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 12/13/2013 10:09:55 Type: Cal
Method: Accutest -SS2 with S(v258) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1639	.7404	3.141	17.53	14.65	12.66	10.29	.7478	2.453	4.865
Stddev	.0002	.0011	.003	.02	.02	.02	.01	.0008	.005	.010
%RSD	.1467	.1520	.0988	.1207	.1274	.1671	.1063	.1134	.2134	.2142
#1	.1638	.7412	3.143	17.51	14.63	12.67	10.30	.7484	2.449	4.872
#2	.1641	.7396	3.139	17.54	14.66	12.64	10.28	.7472	2.457	4.858

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8.906	8.345	3.208	2.285	1.210	1.261	9.457
Stddev	.002	.009	.006	.001	.003	.000	.018
%RSD	.0231	.1138	.1761	.0417	.2704	.0127	.1895
#1	8.907	8.352	3.212	2.286	1.213	1.261	9.469
#2	8.904	8.338	3.204	2.285	1.208	1.260	9.444

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1273.2	51947.	18003.
Stddev	1.0	159.	56.
%RSD	.07582	.30565	.31336
#1	1272.5	51835.	18043.
#2	1273.9	52059.	17963.

◀ Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 12/13/2013 10:14:50 Type: Cal
Method: Accutest -SS2 with S(v258) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.438	2.018	1.390	.7787	.1318	2.980
Stddev	.002	.001	.002	.0018	.0006	.009
%RSD	.1666	.0644	.1280	.2275	.4236	.2915
#1	1.436	2.019	1.388	.7774	.1322	2.974
#2	1.440	2.017	1.391	.7799	.1314	2.986

Int. Std.	Y_3710
Units	Cts/S
Avg	19295.
Stddev	7.
%RSD	.03718
#1	19289.
#2	19300.

Zoom In Zoom Out

Sample Name: Std4 Acquired: 12/13/2013 10:19:46 Type: Cal
Method: Accutest -SS2 with S(v258) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	S_1820	Si2124	Sn1899	Sr4077	Ti3349	V_2924	W_2397
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2904	.5873	.0823	1.008	3.111	1.852	31.23	1.341	1.095	.0550
Stddev	.0007	.0001	.0001	.002	.006	.001	.22	.004	.003	.0000
%RSD	.2580	.0214	.1192	.2025	.1889	.0729	.6975	.3226	.2993	.0566
#1	.2898	.5874	.0822	1.007	3.107	1.851	31.08	1.338	1.093	.0550
#2	.2909	.5872	.0824	1.010	3.115	1.853	31.38	1.344	1.098	.0550

Elem	Zr3391
Units	Cts/S
Avg	3.080
Stddev	.006
%RSD	.1975
#1	3.076
#2	3.084

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1283.5	53634.	19075.
Stddev	1.6	77.	17.
%RSD	.12424	.14367	.08713
#1	1284.6	53688.	19064.
#2	1282.3	53579.	19087.

Zoom In Zoom Out

Sample Name: ICV Acquired: 12/13/2013 10:24:45 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.4992	15.95	3.016	2.938	3.017	3.078	2.941	17.88	2.975	2.979
Stddev	.0004	.01	.006	.004	.001	.001	.001	.03	.001	.002
%RSD	.0703	.0352	.1940	.1414	.0249	.0189	.0426	.1900	.0426	.0512
#1	.4989	15.96	3.021	2.935	3.016	3.078	2.940	17.85	2.976	2.980
#2	.4994	15.95	3.012	2.940	3.017	3.078	2.942	17.90	2.974	2.978

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.966	3.023	18.14	15.25	18.15	2.922	2.866	15.35	2.866	2.910
Stddev	.004	.010	.00	.02	.01	.001	.002	.02	.001	.005
%RSD	.1229	.3284	.0033	.1588	.0411	.0207	.0819	.1356	.0456	.1724
#1	2.964	3.016	18.14	15.27	18.16	2.922	2.864	15.36	2.865	2.906
#2	2.969	3.030	18.14	15.23	18.15	2.923	2.867	15.33	2.867	2.913

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	3.008	2.977	3.002	2.958	2.970	2.989	3.145	2.946	2.968	2.948
Stddev	.003	.003	.002	.000	.002	.003	.004	.040	.003	.002
%RSD	.1052	.1118	.0709	.0044	.0634	.0974	.1424	1.340	.0968	.0815
#1	3.005	2.974	3.003	2.958	2.972	2.987	3.142	2.918	2.966	2.950
#2	3.010	2.979	3.000	2.958	2.969	2.991	3.148	2.974	2.970	2.946

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	2.924	2.885	2.903	3.038
Stddev	.003	.014	.003	.008
%RSD	.0925	.4763	.0945	.2673
#1	2.922	2.875	2.902	3.032
#2	2.926	2.895	2.905	3.044

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1265.8	53580.	19400.
Stddev	1.3	96.	26.
%RSD	.09924	.17895	.13657
#1	1264.9	53513.	19381.
#2	1266.7	53648.	19419.

Zoom In Zoom Out

Sample Name: ICB Acquired: 12/13/2013 10:32:04 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	-.0011	-.0005	.0000	.0017	.0001	.0001	-.0014	.0002	.0001
Stddev	.0003	.0004	.0018	.000	.0004	.0001	.0000	.0008	.0001	.0001
%RSD	76.43	37.14	388.4	862.4	21.11	112.1	22.42	60.56	58.24	58.90
#1	.0002	-.0015	.0008	-.0001	.0014	.0000	.0001	-.0020	.0001	.0001
#2	.0006	-.0008	-.0018	.0001	.0020	.0002	.0001	-.0008	.0002	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0005	.0000	-.0003	.0080	.0163	.0001	.0011	.0039	.0003	.0003
Stddev	.0001	.0003	.0000	.0010	.0186	.0001	.0002	.0011	.0001	.0008
%RSD	12.66	597.4	3.582	11.93	113.8	57.03	20.19	29.38	27.32	261.5
#1	.0005	.0002	-.0003	.0087	.0032	.0001	.0013	.0031	.0004	-.0002
#2	.0004	-.0002	-.0003	.0074	.0295	.0002	.0009	.0047	.0003	.0008

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0000	-.0011	-.0008	.0007	.0004	.0017	.0006	.0001	.0002	.0004
Stddev	.001	.0017	.0004	.0002	.0002	.0004	.0004	.0000	.0000	.0008
%RSD	5344.	158.9	45.70	23.32	49.98	23.86	66.92	26.61	20.64	183.8
#1	-.0004	-.0023	-.0006	.0006	.0002	.0019	.0003	.0001	.0003	.0010
#2	.0004	.0001	-.0011	.0008	.0005	.0014	.0009	.0002	.0002	-.0001

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0002	.0094	.0003	-.0034
Stddev	.0006	.0013	.0000	.0005
%RSD	279.3	13.64	9.485	14.27
#1	-.0002	.0103	.0003	-.0031
#2	.0007	.0085	.0003	-.0038

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1287.0	54121.	19223.
Stddev	.6	228.	58.
%RSD	.04835	.42039	.30160
#1	1286.5	53960.	19182.
#2	1287.4	54281.	19264.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/13/2013 10:36:59 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2462	9.922	1.958	-.0018	1.973	1.981	1.955	9.931	1.980	2.050
Stddev	.0007	.011	.000	.0001	.000	.003	.000	.002	.003	.000
%RSD	.3007	.1117	.0132	5.088	.0147	.1264	.0065	.0193	.1289	.0112
#1	.2456	9.930	1.958	-.0018	1.973	1.980	1.956	9.933	1.982	2.050
#2	.2467	9.914	1.959	-.0019	1.973	1.983	1.955	9.930	1.978	2.050

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.934	1.999	9.895	9.913	9.765	1.934	1.962	9.892	1.948	1.948
Stddev	.003	.007	.000	.020	.013	.001	.000	.005	.001	.003
%RSD	.1614	.3717	.0005	.2023	.1309	.0600	.0102	.0466	.0282	.1420
#1	1.932	1.994	9.895	9.927	9.756	1.933	1.962	9.895	1.948	1.950
#2	1.936	2.005	9.895	9.899	9.775	1.935	1.962	9.889	1.948	1.946

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0006	.0088	-.0052	1.976	1.961	.0149	1.968	1.940	1.951	1.954
Stddev	.0006	.0037	.0012	.004	.003	.0000	.002	.011	.006	.004
%RSD	93.38	42.01	23.40	.2120	.1467	.0021	.0874	.5462	.3214	.1836
#1	.0011	.0062	-.0060	1.979	1.959	.0149	1.966	1.947	1.947	1.951
#2	.0002	.0114	-.0043	1.973	1.963	.0149	1.969	1.932	1.956	1.956

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.949	-.0016	1.947	.0011
Stddev	.002	.0010	.000	.0020
%RSD	.1212	60.91	.0207	180.1
#1	1.947	-.0009	1.947	.0026
#2	1.951	-.0023	1.948	-.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1275.7	53770.	19330.
Stddev	1.9	24.	37.
%RSD	.14607	.04518	.19392
#1	1274.4	53753.	19303.
#2	1277.0	53787.	19356.

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/13/2013 10:41:47 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	-.0061	.0001	-.0009	.0021	.0002	.0001	.0029	.0003	.0004
Stddev	.0003	.0024	.0005	.0008	.0006	.0001	.0000	.0014	.0001	.0000
%RSD	100.7	39.04	518.6	81.55	29.34	56.69	16.92	46.68	41.80	3.133
#1	.0005	-.0078	-.0003	-.0004	.0025	.0001	.0001	.0038	.0002	.0004
#2	.0001	-.0044	.0005	-.0015	.0016	.0002	.0001	.0019	.0003	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0001	.0007	.0005	-.0039	-.0120	.0001	.0018	-.0009	.0004	.0004
Stddev	.0000	.0001	.0008	.0171	.0004	.0000	.0004	.0018	.0001	.0005
%RSD	28.76	15.55	164.6	444.4	3.611	7.851	19.99	202.6	31.32	125.8
#1	.0001	.0006	.0010	.0083	-.0117	.0001	.0021	.0004	.0003	.0008
#2	.0001	.0007	-.0001	-.0160	-.0123	.0001	.0015	-.0021	.0005	.0000

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0003	-.0007	-.0021	.0002	.0005	.0012	.0006	.0001	.0004	.0005
Stddev	.0007	.0009	.0007	.0003	.0007	.0002	.0004	.0000	.0002	.0003
%RSD	256.4	124.7	34.89	131.4	138.3	17.00	60.43	37.54	40.29	62.06
#1	.0008	-.0001	-.0026	.0000	.0009	.0014	.0004	.0001	.0005	.0003
#2	-.0002	-.0014	-.0016	.0004	.0000	.0011	.0009	.0002	.0003	.0007

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0003	.0076	.0003	-.0045
Stddev	.0001	.0004	.0001	.0007
%RSD	28.78	4.905	26.47	15.92
#1	.0003	.0079	.0002	-.0050
#2	.0004	.0074	.0004	-.0040

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1289.3	54479.	19362.
Stddev	1.3	320.	155.
%RSD	.10268	.58675	.80049
#1	1290.3	54705.	19252.
#2	1288.4	54253.	19471.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 12/13/2013 10:46:48 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0052	.2014	.0104	-.0004	.0999	.0503	.0041	5.000	.0041	.0515
Stddev	.0002	.0072	.0011	.0000	.0007	.0001	.0000	.018	.0001	.0002
%RSD	4.604	3.556	10.24	11.03	.7223	.1400	.6805	.3631	1.973	.4228
#1	.0050	.1963	.0112	-.0005	.0994	.0502	.0041	5.013	.0041	.0514
#2	.0053	.2064	.0097	-.0004	.1004	.0503	.0041	4.987	.0042	.0517

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0099	.0252	.1022	5.044	4.952	.0151	.1000	5.021	.0400	.0094
Stddev	.0002	.0004	.0036	.032	.009	.0001	.0004	.001	.0000	.0000
%RSD	1.715	1.783	3.568	.6409	.1761	.9323	.4481	.0106	.0873	.1845
#1	.0097	.0249	.1047	5.021	4.946	.0150	.0997	5.020	.0400	.0094
#2	.0100	.0255	.0996	5.067	4.958	.0152	.1003	5.021	.0400	.0094

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0013	.0014	-.0027	.0099	.0114	.0081	.0983	.0099	.0493	.0083
Stddev	.0015	.0009	.0005	.0006	.0009	.0003	.0005	.0001	.0001	.0001
%RSD	116.7	62.37	18.69	6.518	7.903	3.982	.4766	.6340	.2560	1.233
#1	-.0002	.0008	-.0024	.0095	.0120	.0083	.0980	.0098	.0492	.0084
#2	-.0023	.0020	-.0031	.0104	.0107	.0078	.0987	.0099	.0494	.0082

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0098	.0078	.0201	-.0043
Stddev	.0004	.0041	.0000	.0003
%RSD	4.159	52.54	.0744	7.366
#1	.0096	.0049	.0200	-.0045
#2	.0101	.0107	.0201	-.0041

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1277.3	54294.	19390.
Stddev	2.7	136.	125.
%RSD	.20788	.24977	.64318
#1	1279.2	54389.	19302.
#2	1275.4	54198.	19479.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/13/2013 10:51:40 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	528.5	-.0032	-.0010	.0009	-.0006	.0001	449.7	-.0003	.0004
Stddev	.0003	3.9	.0025	.0005	.0001	.0001	.0000	.3	.0001	.0003
%RSD	751.3	.7361	76.67	45.96	6.948	10.79	6.935	.0619	25.60	82.83
#1	-.0002	531.3	-.0015	-.0014	.0009	-.0006	.0001	449.5	-.0003	.0006
#2	.0003	525.8	-.0050	-.0007	.0008	-.0005	.0001	449.9	-.0002	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	.0039	181.0	-.0376	516.6	.0001	-.0011	.0303	.0082	-.0032
Stddev	.0002	.0002	1.4	.0018	3.7	.0000	.0007	.0012	.0001	.0010
%RSD	66.36	6.205	.7979	4.793	.7154	2.588	67.66	3.952	1.073	30.68
#1	-.0004	.0041	180.0	-.0389	514.0	.0001	-.0016	.0295	.0081	-.0039
#2	-.0001	.0037	182.1	-.0363	519.3	.0001	-.0006	.0312	.0082	-.0025

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0243	-.0307	.0931	.0039	-.0004	.0513	-.0001	-.0075	.0058	-.0037
Stddev	.0020	.0074	.0035	.0004	.0007	.0024	.0015	.0000	.0002	.0028
%RSD	8.028	24.20	3.756	9.272	171.4	4.646	1626.	.4211	3.672	75.26
#1	-.0257	-.0360	.0906	.0041	-.0009	.0496	.0010	-.0076	.0060	-.0017
#2	-.0230	-.0255	.0955	.0036	.0001	.0530	-.0011	-.0075	.0057	-.0056

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0002	-.0121	.0002	.0026
Stddev	.0000	.0008	.0001	.0003
%RSD	15.54	6.885	31.40	11.45
#1	.0002	-.0115	.0001	.0028
#2	.0003	-.0127	.0002	.0024

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1157.2	49869.	19003.
Stddev	1.5	226.	14.
%RSD	.12706	.45269	.07614
#1	1158.3	49709.	19014.
#2	1156.2	50029.	18993.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/13/2013 10:56:39 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.056	535.1	2.152	.4925	1.037	.5034	.4601	453.6	1.047	.4931
Stddev	.001	.5	.004	.0021	.001	.0002	.0006	2.1	.002	.0006
%RSD	.0707	.0846	.1743	.4192	.0788	.0415	.1338	.4725	.1510	.1144
#1	1.056	534.8	2.150	.4940	1.037	.5032	.4606	455.1	1.046	.4927
#2	1.055	535.4	2.155	.4910	1.038	.5035	.4597	452.1	1.048	.4935

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4730	.5464	181.5	-.0573	519.5	.4786	.9822	.0424	.9034	.9411
Stddev	.0017	.0001	.3	.0076	1.2	.0018	.0023	.0015	.0005	.0004
%RSD	.3515	.0165	.1579	13.21	.2397	.3659	.2301	3.628	.0532	.0397
#1	.4741	.5464	181.7	-.0626	520.3	.4799	.9806	.0413	.9031	.9409
#2	.4718	.5465	181.3	-.0519	518.6	.4774	.9838	.0435	.9037	.9414

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.5285	.4790	.6019	2.104	2.036	7.789	1.003	.9561	.5046	1.973
Stddev	.0033	.0013	.0010	.001	.002	.001	.002	.0002	.0001	.002
%RSD	.6283	.2648	.1608	.0440	.0724	.0181	.1576	.0258	.0288	.0752
#1	.5262	.4799	.6026	2.104	2.035	7.788	1.004	.9563	.5047	1.974
#2	.5309	.4781	.6012	2.103	2.038	7.790	1.002	.9559	.5045	1.972

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.4957	1.943	.9131	.3829
Stddev	.0006	.005	.0003	.0017
%RSD	.1266	.2571	.0302	.4554
#1	.4961	1.947	.9129	.3817
#2	.4952	1.940	.9133	.3842

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1156.1	50164.	18918.
Stddev	.5	146.	50.
%RSD	.03988	.29076	.26427
#1	1156.4	50061.	18883.
#2	1155.7	50267.	18954.

Zoom In Zoom Out

Sample Name: MP22249-B1 Acquired: 12/13/2013 11:01:29 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2066	2.263	.5413	-.0011	.0033	2.105	.5182	25.43	.5306	.5321
Stddev	.0013	.001	.0006	.0003	.0003	.005	.0001	.17	.0008	.0008
%RSD	.6439	.0403	.1084	30.12	9.216	.2431	.0289	.6544	.1425	.1547
#1	.2076	2.263	.5417	-.0013	.0031	2.102	.5183	25.55	.5311	.5327
#2	.2057	2.264	.5409	-.0008	.0036	2.109	.5181	25.31	.5301	.5315

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5232	.5207	2.144	26.08	26.18	.5091	.0009	26.40	.5018	1.010
Stddev	.0006	.0002	.003	.03	.14	.0020	.0004	.03	.0013	.001
%RSD	.1196	.0409	.1359	.1301	.5488	.3982	46.96	.0988	.2561	.0661
#1	.5227	.5208	2.146	26.11	26.28	.5105	.0012	26.39	.5027	1.009
#2	.5236	.5205	2.142	26.06	26.07	.5076	.0006	26.42	.5009	1.010

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0002	.0033	.0020	.5269	.5102	.0121	.0132	.5090	.5153	.5216
Stddev	.0013	.0008	.0005	.0012	.0007	.0009	.0000	.0007	.0001	.0027
%RSD	769.9	24.59	23.63	.2320	.1364	7.515	.1918	.1431	.0246	.5211
#1	-.0008	.0038	.0017	.5277	.5098	.0128	.0131	.5085	.5154	.5197
#2	.0011	.0027	.0024	.5260	.5107	.0115	.0132	.5096	.5152	.5235

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5368	.0164	.5404	.0315
Stddev	.0020	.0018	.0008	.0034
%RSD	.3746	10.74	.1427	10.68
#1	.5382	.0152	.5409	.0338
#2	.5354	.0176	.5398	.0291

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1248.5	53133.	19138.
Stddev	2.5	304.	204.
%RSD	.19811	.57192	1.0676
#1	1246.8	52918.	18994.
#2	1250.3	53347.	19282.

Zoom In Zoom Out

Sample Name: MP22249-MB1 Acquired: 12/13/2013 11:06:15 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0005	.0301	-.0015	-.0017	.0017	.0012	.0001	.0752
Stddev	.0002	.0050	.0007	.0000	.0003	.0000	.0000	.0002
%RSD	46.20	16.68	47.65	.4248	17.71	.7114	1.794	.2490
#1	.0003	.0336	-.0010	-.0017	.0015	.0012	.0001	.0754
#2	.0007	.0265	-.0020	-.0017	.0019	.0012	.0001	.0751

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0001	-.0006	.0004	.0007	.0673	.0051	.0190	.0013
Stddev	.0001	.0000	.0000	.0003	.0012	.0215	.0070	.0000
%RSD	106.9	1.664	2.842	43.65	1.834	420.9	37.07	2.228
#1	.0002	-.0006	.0004	.0005	.0682	-.0101	.0140	.0013
#2	.0000	-.0006	.0004	.0009	.0664	.0203	.0239	.0013

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0000	.0202	-.0008	-.0005	.0000	.0020	-.0017	.0024
Stddev	.0000	.0032	.0001	.0006	.0014	.0020	.0003	.0010
%RSD	43.77	15.73	13.89	119.9	3785.	98.98	17.06	43.39
#1	.0000	.0180	-.0008	-.0009	.0011	.0006	-.0015	.0031
#2	.0000	.0225	-.0007	-.0001	-.0010	.0034	-.0019	.0016

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0023	.0173	.0142	.0002	.0012	F-.0059	.0002	.0145
Stddev	.0004	.0004	.0007	.0000	.0002	.0016	.0004	.0129
%RSD	17.77	2.076	5.247	6.738	16.27	27.94	152.2	88.81
#1	.0025	.0176	.0137	.0002	.0013	-.0047	.0000	.0237
#2	.0020	.0171	.0148	.0002	.0010	-.0070	.0005	.0054

Elem	Zn2062	Zr3391
Avg	.0019	-.0032
Stddev	.0001	.0005
%RSD	5.510	15.25
#1	.0019	-.0036
#2	.0018	-.0029

Zoom In Zoom Out

Sample Name: MP22249-MB1 Acquired: 12/13/2013 11:06:15 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1258.9	53600.	19327.
Stddev	2.1	335.	12.
%RSD	.16787	.62546	.06380
#1	1257.4	53838.	19336.
#2	1260.3	53363.	19318.

Zoom In Zoom Out

Sample Name: MP22249-S1 Acquired: 12/13/2013 11:11:11 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1838	150.2	.5098	-.0004	.0982	2.634	.4418	132.6	.4661	.5508
Stddev	.0004	.4	.0024	.0005	.0004	.004	.0005	.4	.0008	.0001
%RSD	.2023	.2751	.4777	145.2	.4377	.1642	.1238	.2966	.1616	.0250
#1	.1841	149.9	.5081	-.0007	.0985	2.631	.4414	132.3	.4656	.5507
#2	.1836	150.5	.5115	.0000	.0979	2.637	.4422	132.8	.4666	.5509

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6721	.6484	211.6	41.84	113.7	2.947	.0127	27.58	.7003	.9873
Stddev	.0054	.0003	1.9	.07	.4	.016	.0002	.05	.0009	.0006
%RSD	.8055	.0535	.9188	.1685	.3636	.5491	1.442	.1947	.1234	.0620
#1	.6760	.6481	213.0	41.79	113.4	2.959	.0128	27.54	.7009	.9877
#2	.6683	.6486	210.3	41.89	113.9	2.936	.0126	27.61	.6996	.9868

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0040	.0083	6.128	.2006	.4310	7.293	.0094	.6479	2.650	.4324
Stddev	.0005	.0059	.009	.0022	.0002	.003	.0002	.0017	.015	.0033
%RSD	11.25	70.83	.1510	1.079	.0385	.0362	1.843	.2694	.5523	.7728
#1	-.0037	.0042	6.121	.1991	.4311	7.295	.0093	.6466	2.660	.4301
#2	-.0044	.0125	6.134	.2021	.4309	7.291	.0095	.6491	2.639	.4348

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.7697	.0105	.9589	.1052
Stddev	.0045	.0090	.0013	.0004
%RSD	.5834	85.61	.1392	.3546
#1	.7729	.0169	.9579	.1050
#2	.7666	.0042	.9598	.1055

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1383.7	59376.	21720.
Stddev	1.2	307.	32.
%RSD	.08543	.51738	.14885
#1	1382.9	59158.	21742.
#2	1384.6	59593.	21697.

Zoom In Zoom Out

Sample Name: MP22249-S2 Acquired: 12/13/2013 11:15:59 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.1860	149.4	.5294	-.0007	.0958	2.644	.4396	165.2	.4666
Stddev	.0003	.3	.0004	.0004	.0003	.006	.0004	.4	.0007
%RSD	.1709	.1732	.0694	53.68	.3583	.2221	.0999	.2372	.1439
#1	.1862	149.6	.5296	-.0009	.0960	2.648	.4399	165.5	.4661
#2	.1858	149.3	.5291	-.0004	.0955	2.640	.4393	165.0	.4670

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5604	.6754	.6860	F241.3	41.52	128.4	3.839	.0185	27.81
Stddev	.0003	.0010	.0000	.5	.11	.0	.009	.0000	.05
%RSD	.0575	.1440	.0018	.2181	.2673	.0038	.2313	.0036	.1851
#1	.5602	.6761	.6860	241.7	41.60	128.4	3.845	.0185	27.85
#2	.5607	.6747	.6860	240.9	41.44	128.4	3.832	.0185	27.77

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.7169	1.002	-.0061	.0122	4.784	.2018	.4259	8.079	.0085
Stddev	.0007	.001	.0017	.0056	.002	.0016	.0014	.008	.0008
%RSD	.0935	.0854	27.94	45.90	.0329	.7817	.3212	.0948	8.815
#1	.7174	1.001	-.0049	.0161	4.785	.2007	.4268	8.073	.0080
#2	.7164	1.002	-.0073	.0082	4.783	.2029	.4249	8.084	.0091

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.6637	2.694	.4293	.8048	.0169	.9610	.1229
Stddev	.0017	.003	.0001	.0005	.0095	.0010	.0003
%RSD	.2601	.1077	.0283	.0670	56.21	.1010	.2648
#1	.6649	2.696	.4292	.8052	.0102	.9603	.1232
#2	.6625	2.692	.4294	.8045	.0236	.9617	.1227

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1385.8	59366.	21708.
Stddev	3.1	229.	13.
%RSD	.22506	.38600	.05826
#1	1383.6	59204.	21716.
#2	1388.0	59528.	21699.

Zoom In Zoom Out

Sample Name: MC26883-9 Acquired: 12/13/2013 11:20:59 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0011	150.5	.0948	-.0009	.0775	.8405	.0091	118.7
Stddev	.0003	.3	.0006	.0002	.0013	.0004	.0000	.9
%RSD	32.50	.1986	.6173	17.33	1.625	.0447	.1607	.7320
#1	-.0013	150.3	.0952	-.0010	.0766	.8402	.0091	118.1
#2	-.0008	150.7	.0944	-.0008	.0784	.8408	.0091	119.3

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0010	.1241	.2440	.2886	F296.8	18.72	100.5	3.072
Stddev	.0000	.0002	.0001	.0001	2.4	.02	.9	.001
%RSD	.5358	.1562	.0270	.0484	.8075	.1107	.8485	.0199
#1	.0010	.1242	.2440	.2885	295.1	18.70	99.85	3.073
#2	.0010	.1239	.2439	.2887	298.5	18.73	101.1	3.072

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0280	4.759	.3358	.1590	-.0052	.0019	2.346	.0120
Stddev	.0001	.009	.0013	.0007	.0006	.0009	.000	.0007
%RSD	.2637	.1874	.3943	.4316	10.81	46.06	.0164	5.458
#1	.0279	4.753	.3368	.1595	-.0056	.0025	2.347	.0115
#2	.0280	4.765	.3349	.1586	-.0048	.0013	2.346	.0124

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	-.0031	8.808	.0096	.2012	2.546	F-.0057	.4181	.0197
Stddev	.0009	.002	.0004	.0001	.002	.0005	.0011	.0018
%RSD	28.27	.0268	4.009	.0502	.0704	8.511	.2598	8.989
#1	-.0024	8.810	.0093	.2012	2.548	-.0060	.4189	.0185
#2	-.0037	8.806	.0098	.2013	2.545	-.0053	.4174	.0210

Elem	Zn2062	Zr3391
Avg	.5702	.1351
Stddev	.0014	.0006
%RSD	.2438	.4603
#1	.5712	.1346
#2	.5692	.1355

Zoom In Zoom Out

Sample Name: MC26883-9 Acquired: 12/13/2013 11:20:59 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1416.0	60174.	22125.
Stddev	2.9	102.	185.
%RSD	.20833	.16923	.83600
#1	1413.9	60102.	22256.
#2	1418.1	60246.	21995.

Zoom In Zoom Out

Sample Name: MP22249-SD1 Acquired: 12/13/2013 11:25:51 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0017	166.6	.1101	-.0027	.0870	.9469	.0104	137.8	.0002	.1374
Stddev	.0018	.3	.0067	.0022	.0015	.0014	.0002	.2	.0001	.0014
%RSD	104.5	.1515	6.040	81.10	1.769	.1477	1.756	.1206	28.93	.9850
#1	-.0004	166.7	.1054	-.0043	.0859	.9459	.0106	137.9	.0002	.1365
#2	-.0029	166.4	.1148	-.0012	.0881	.9479	.0103	137.7	.0003	.1384

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2825	.3135	363.9	21.01	113.1	3.556	.0298	5.292	.3866	.1786
Stddev	.0000	.0027	.6	.13	.2	.002	.0000	.003	.0007	.0004
%RSD	.0087	.8488	.1758	.6110	.1706	.0451	.0066	.0525	.1808	.2220
#1	.2825	.3116	364.4	21.10	113.2	3.555	.0298	5.290	.3861	.1789
#2	.2825	.3154	363.4	20.92	112.9	3.557	.0298	5.294	.3871	.1783

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0122	.0274	2.621	.0140	.0039	10.41	.0087	.2290	2.903	-.0061
Stddev	.0019	.0002	.015	.0007	.0001	.05	.0033	.0007	.011	.0004
%RSD	15.65	.6171	.5630	4.894	2.979	.4864	37.88	.3237	.3856	5.944
#1	.0108	.0273	2.611	.0145	.0040	10.38	.0110	.2296	2.895	-.0059
#2	.0135	.0275	2.632	.0135	.0038	10.45	.0064	.2285	2.911	-.0064

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.4785	.0303	.6740	.1313
Stddev	.0034	.0019	.0040	.0015
%RSD	.7076	6.297	.5908	1.128
#1	.4761	.0317	.6712	.1303
#2	.4809	.0290	.6768	.1324

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1329.5	55320.	20143.
Stddev	2.7	125.	73.
%RSD	.20534	.22578	.36472
#1	1331.4	55408.	20091.
#2	1327.5	55232.	20195.

Zoom In Zoom Out

Sample Name: MP22249-B2 Acquired: 12/13/2013 11:30:40 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2052	2.196	.5278	-.0022	.0022	2.088	.5021	24.98	.5183	.5187
Stddev	.0001	.037	.0004	.0005	.0004	.042	.0101	.52	.0003	.0007
%RSD	.0593	1.669	.0741	22.56	17.57	2.006	2.010	2.098	.0536	.1441
#1	.2053	2.221	.5281	-.0026	.0019	2.117	.5092	25.35	.5181	.5192
#2	.2051	2.170	.5275	-.0019	.0025	2.058	.4949	24.61	.5185	.5182

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5153	.5155	2.069	25.65	25.78	.4983	.0001	25.88	.4867	.9980
Stddev	.0007	.0023	.039	.49	.54	.0005	.0002	.47	.0025	.0023
%RSD	.1392	.4401	1.882	1.892	2.109	.1024	181.7	1.827	.5127	.2266
#1	.5158	.5171	2.097	25.99	26.16	.4987	.0002	26.22	.4885	.9964
#2	.5148	.5139	2.042	25.31	25.39	.4980	.0000	25.55	.4850	.9996

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0003	.0004	.0187	.5146	.4960	.0190	.0124	.5014	.5056	.5106
Stddev	.0002	.0031	.0251	.0034	.0010	.0078	.0001	.0098	.0003	.0011
%RSD	74.19	834.3	134.6	.6619	.1951	41.24	.7097	1.951	.0621	.2163
#1	-.0001	.0025	.0364	.5121	.4967	.0246	.0124	.5084	.5058	.5099
#2	-.0004	-.0018	.0009	.5170	.4953	.0135	.0125	.4945	.5054	.5114

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5304	.0029	.5161	.0174
Stddev	.0012	.0014	.0012	.0013
%RSD	.2231	47.52	.2330	7.240
#1	.5313	.0038	.5169	.0183
#2	.5296	.0019	.5152	.0165

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1265.5	53021.	19419.
Stddev	2.8	67.	350.
%RSD	.22064	.12673	1.7998
#1	1263.5	52973.	19171.
#2	1267.4	53068.	19666.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/13/2013 11:35:25 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2456	9.836	1.944	-.0012	1.958	1.971	1.924	9.853	1.968	2.032
Stddev	.0005	.027	.001	.0008	.000	.002	.005	.039	.002	.002
%RSD	.1842	.2750	.0370	67.52	.0009	.1232	.2540	.3967	.0792	.0908
#1	.2459	9.855	1.944	-.0017	1.958	1.969	1.928	9.881	1.967	2.031
#2	.2452	9.816	1.943	-.0006	1.958	1.973	1.921	9.826	1.970	2.033

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.927	2.000	9.687	9.817	9.823	1.916	1.943	9.735	1.916	1.929
Stddev	.003	.002	.019	.032	.099	.001	.004	.022	.004	.002
%RSD	.1651	.1157	.1984	.3248	1.008	.0417	.1878	.2309	.1819	.0808
#1	1.924	1.998	9.700	9.794	9.893	1.915	1.940	9.750	1.914	1.928
#2	1.929	2.001	9.673	9.839	9.753	1.916	1.945	9.719	1.919	1.931

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0001	.0075	-.0071	1.951	1.936	.0161	1.929	1.951	1.938	1.939
Stddev	.0007	.0041	.0013	.000	.004	.0009	.005	.016	.002	.005
%RSD	776.1	54.00	18.12	.0198	.1865	5.624	.2782	.8209	.1100	.2667
#1	.0004	.0046	-.0062	1.950	1.933	.0154	1.926	1.962	1.940	1.935
#2	-.0006	.0104	-.0080	1.951	1.939	.0167	1.933	1.939	1.937	1.943

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.950	-.0051	1.929	.0020
Stddev	.004	.0019	.003	.0015
%RSD	.1957	38.20	.1752	76.62
#1	1.948	-.0065	1.926	.0031
#2	1.953	-.0037	1.931	.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1292.9	53987.	19545.
Stddev	1.9	149.	165.
%RSD	.14975	.27598	.84174
#1	1294.2	54093.	19428.
#2	1291.5	53882.	19661.

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/13/2013 11:40:13 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0002	-.0034	.0011	-.0004	.0013	.0001	.0002	.0015	F.0005
Stddev	.0000	.0023	.0015	.0004	.0002	.0001	.0001	.0007	.0000
%RSD	17.12	68.52	137.7	113.8	14.16	36.27	28.91	43.43	10.05
#1	.0002	-.0018	.0021	-.0006	.0014	.0002	.0002	.0011	.0005
#2	.0002	-.0051	.0000	-.0001	.0012	.0001	.0003	.0020	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0005	.0003	.0003	.0010	.0051	-.0118	.0004	.0016	.0078
Stddev	.0001	.0004	.0001	.0005	.0105	.0164	.0001	.0004	.0095
%RSD	28.46	139.8	20.68	50.29	206.2	139.7	35.94	22.28	122.0
#1	.0006	.0000	.0003	.0014	.0126	-.0001	.0003	.0019	.0145
#2	.0004	.0006	.0004	.0006	-.0023	-.0234	.0005	.0014	.0011

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0007	.0005	-.0005	-.0037	-.0035	.0003	.0011	.0031	.0006
Stddev	.0003	.0012	.0003	.0006	.0006	.0006	.0010	.0002	.0004
%RSD	44.73	214.4	75.32	14.72	17.96	255.4	87.75	4.824	62.78
#1	.0009	.0014	-.0002	-.0041	-.0030	-.0002	.0018	.0033	.0008
#2	.0005	-.0003	-.0007	-.0033	-.0039	.0007	.0004	.0030	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0002	.0002	.0018	.0006	-.0011	.0006	-.0045
Stddev	.0000	.0004	.0001	.0001	.0003	.0001	.0003
%RSD	2.436	176.3	3.806	12.61	30.27	10.93	7.642
#1	.0002	-.0001	.0017	.0006	-.0009	.0006	-.0048
#2	.0002	.0005	.0018	.0007	-.0014	.0006	-.0043

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1300.3	54364.	19494.
Stddev	4.1	246.	59.
%RSD	.31201	.45237	.30065
#1	1303.1	54538.	19535.
#2	1297.4	54190.	19452.

Zoom In Zoom Out

Sample Name: MP22249-LC1 Acquired: 12/13/2013 11:45:10 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.3350	76.14	.9258	.0014	.9623	1.600	.5108	58.24	.6003	.9989
Stddev	.0003	.13	.0024	.0001	.0035	.001	.0005	.28	.0012	.0038
%RSD	.0948	.1719	.2640	9.083	.3660	.0522	.1043	.4749	.2017	.3764
#1	.3352	76.23	.9241	.0015	.9598	1.601	.5112	58.43	.5995	.9962
#2	.3348	76.04	.9275	.0013	.9648	1.599	.5104	58.04	.6012	1.002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6746	.7609	120.1	35.73	28.75	2.736	.3812	6.239	.5403	.8553
Stddev	.0005	.0003	.4	.10	.11	.003	.0016	.016	.0014	.0018
%RSD	.0743	.0339	.3110	.2920	.3787	.1151	.4298	.2599	.2589	.2052
#1	.6743	.7607	120.3	35.80	28.83	2.738	.3800	6.250	.5394	.8541
#2	.6750	.7611	119.8	35.65	28.68	2.734	.3823	6.227	.5413	.8565

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0008	.0104	2.568	.7477	1.596	13.46	1.017	.6556	2.206	1.188
Stddev	.0005	.0034	.010	.0013	.004	.05	.004	.0005	.001	.005
%RSD	56.69	32.48	.4000	.1779	.2722	.3891	.3834	.0740	.0602	.4442
#1	.0005	.0127	2.561	.7467	1.593	13.43	1.014	.6553	2.205	1.184
#2	.0011	.0080	2.575	.7486	1.599	13.50	1.019	.6560	2.206	1.192

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5376	-.0029	1.299	-.0113
Stddev	.0028	.0021	.004	.0005
%RSD	.5143	72.27	.2701	4.635
#1	.5356	-.0043	1.297	-.0110
#2	.5395	-.0014	1.302	-.0117

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1382.1	58696.	21294.
Stddev	2.2	107.	127.
%RSD	.15857	.18236	.59677
#1	1383.6	58620.	21205.
#2	1380.5	58772.	21384.

Zoom In Zoom Out

Sample Name: JB54617-7 Acquired: 12/13/2013 11:49:50 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0004	65.17	.0202	.0004	.0179	.4271	.0035	3.167
Stddev	.0001	.03	.0005	.0005	.0002	.0003	.0000	.009
%RSD	31.43	.0469	2.491	120.8	1.019	.0797	1.131	.2946
#1	-.0003	65.19	.0198	.0008	.0178	.4274	.0035	3.174
#2	-.0005	65.15	.0205	.0001	.0180	.4269	.0035	3.161

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0002	.0372	.1416	.0539	81.60	6.091	16.63	.6033
Stddev	.0002	.0002	.0013	.0004	.06	.032	.05	.0028
%RSD	74.07	.5969	.9062	.7922	.0789	.5182	.2960	.4718
#1	.0001	.0373	.1407	.0542	81.65	6.069	16.59	.6012
#2	.0003	.0370	.1425	.0536	81.56	6.114	16.66	.6053

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0011	1.205	.0812	.0555	.0034	.0001	.3309	.0040
Stddev	.0001	.004	.0003	.0002	.0002	.0013	.0023	.0002
%RSD	11.61	.3092	.4152	.2899	5.962	844.3	.6922	4.202
#1	.0012	1.203	.0815	.0557	.0036	.0010	.3325	.0041
#2	.0010	1.208	.0810	.0554	.0033	-.0007	.3293	.0039

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0001	5.267	.0066	.0418	3.195	F-.0058	.1566	.0055
Stddev	.0007	.014	.0003	.0000	.022	.0006	.0008	.0052
%RSD	591.1	.2568	4.690	.0705	.6753	10.76	.5310	94.60
#1	-.0004	5.277	.0068	.0418	3.180	-.0054	.1560	.0092
#2	.0006	5.258	.0064	.0418	3.211	-.0062	.1571	.0018

Elem	Zn2062	Zr3391
Avg	.2461	.0143
Stddev	.0008	.0010
%RSD	.3369	6.790
#1	.2467	.0136
#2	.2455	.0149

Zoom In Zoom Out

Sample Name: JB54617-7 Acquired: 12/13/2013 11:49:50 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1514.2	63752.	23158.
Stddev	2.9	390.	12.
%RSD	.18947	.61238	.05038
#1	1512.1	64028.	23150.
#2	1516.2	63476.	23166.

Zoom In Zoom Out

Sample Name: MC26713-8 Acquired: 12/13/2013 11:54:38 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0006	130.1	.0858	.0045	.0563	.8837	.0068	31.92
Stddev	.0000	.1	.0012	.0025	.0000	.0000	.0000	.15
%RSD	1.536	.0666	1.437	55.05	.0221	.0006	.3453	.4595
#1	-.0006	130.0	.0867	.0028	.0562	.8837	.0067	31.82
#2	-.0006	130.1	.0849	.0063	.0563	.8837	.0068	32.03

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0031	.1382	.2056	.1422	216.0	13.21	40.19	8.001
Stddev	.0001	.0000	.0010	.0008	.9	.04	.30	.088
%RSD	4.740	.0010	.5077	.5799	.3954	.2730	.7354	1.101
#1	.0030	.1382	.2063	.1428	215.4	13.24	39.98	8.063
#2	.0032	.1382	.2048	.1416	216.6	13.19	40.40	7.938

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0170	9.860	.3203	.0772	.0002	.0448	1.599	.0084
Stddev	.0001	.004	.0004	.0013	.0005	.0036	.003	.0001
%RSD	.4894	.0428	.1316	1.728	288.7	8.037	.1870	.8137
#1	.0170	9.857	.3206	.0763	-.0002	.0473	1.597	.0084
#2	.0169	9.863	.3200	.0782	.0005	.0422	1.601	.0083

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0005	7.375	.0105	.1161	1.747	F-.0074	.2934	.0166
Stddev	.0001	.022	.0003	.0001	.019	.0012	.0023	.0092
%RSD	15.66	.2967	2.499	.0777	1.073	15.57	.7794	55.11
#1	.0004	7.390	.0103	.1161	1.760	-.0082	.2950	.0101
#2	.0005	7.359	.0106	.1162	1.734	-.0066	.2918	.0231

Elem	Zn2062	Zr3391
Avg	.5090	.0780
Stddev	.0005	.0007
%RSD	.0976	.8555
#1	.5093	.0785
#2	.5086	.0775

Zoom In Zoom Out

Sample Name: MC26713-8 Acquired: 12/13/2013 11:54:38 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1404.0	60147.	21821.
Stddev	3.5	513.	134.
%RSD	.24639	.85283	.61323
#1	1401.6	59784.	21916.
#2	1406.5	60510.	21727.

Zoom In Zoom Out

Sample Name: MC26713-9 Acquired: 12/13/2013 11:59:36 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0009	126.1	.1247	-.0018	.0726	.6575	.0069	53.08
Stddev	.0000	.7	.0011	.0011	.0004	.0054	.0000	.17
%RSD	.5392	.5765	.9136	64.71	.5095	.8158	.1027	.3122
#1	-.0008	126.6	.1239	-.0026	.0729	.6613	.0069	53.20
#2	-.0009	125.5	.1255	-.0010	.0724	.6538	.0069	52.96

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0012	.1043	.2082	.1711	F225.4	14.32	56.96	1.788
Stddev	.0000	.0001	.0025	.0008	.9	.13	.06	.005
%RSD	.3646	.0762	1.211	.4469	.4196	.8908	.1010	.2866
#1	.0012	.1043	.2064	.1716	224.7	14.41	57.00	1.785
#2	.0012	.1044	.2100	.1705	226.1	14.23	56.92	1.792

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0136	6.484	.2589	.1049	-.0020	.0029	.6854	.0075
Stddev	.0002	.041	.0009	.0004	.0016	.0019	.0037	.0015
%RSD	1.298	.6320	.3369	.3392	79.52	66.12	.5434	19.90
#1	.0137	6.513	.2583	.1052	-.0009	.0043	.6828	.0086
#2	.0134	6.455	.2595	.1047	-.0031	.0016	.6881	.0064

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	-.0002	7.957	.0102	.1361	1.993	F-.0069	.3349	.0127
Stddev	.0014	.008	.0002	.0008	.007	.0003	.0024	.0105
%RSD	564.7	.0974	1.978	.5606	.3746	4.525	.7273	82.17
#1	-.0012	7.951	.0100	.1366	1.988	-.0071	.3332	.0201
#2	.0007	7.962	.0103	.1355	1.999	-.0067	.3367	.0053

Elem	Zn2062	Zr3391
Avg	.4891	.0973
Stddev	.0005	.0017
%RSD	.1011	1.703
#1	.4888	.0961
#2	.4895	.0984

Zoom In Zoom Out

Sample Name: MC26713-9 Acquired: 12/13/2013 11:59:36 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1395.1	59686.	21746.
Stddev	.7	294.	53.
%RSD	.04821	.49192	.24543
#1	1395.5	59894.	21709.
#2	1394.6	59479.	21784.

Zoom In Zoom Out

Sample Name: MC26713-10 Acquired: 12/13/2013 12:04:28 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0007	111.3	.0598	.0021	.1124	.5421	.0060	F667.5
Stddev	.0001	.1	.0000	.0006	.0001	.0002	.0000	1.1
%RSD	17.88	.0480	.0810	27.77	.0685	.0439	.5823	.1720
#1	-.0007	111.2	.0599	.0025	.1125	.5419	.0060	666.7
#2	-.0006	111.3	.0598	.0017	.1124	.5422	.0060	668.3

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0001	.0782	.1769	.1584	175.7	18.06	202.9	4.005
Stddev	.0000	.0004	.0028	.0012	1.8	.01	1.2	.019
%RSD	13.87	.5098	1.584	.7588	1.004	.0472	.5917	.4852
#1	.0001	.0784	.1789	.1592	174.5	18.05	202.0	4.019
#2	.0001	.0779	.1749	.1575	177.0	18.06	203.7	3.991

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0123	5.545	.2000	.0777	-.0269	.0126	1.479	.0065
Stddev	.0001	.005	.0000	.0004	.0013	.0068	.001	.0003
%RSD	.5890	.0956	.0119	.4971	4.737	53.65	.0819	4.548
#1	.0124	5.541	.2000	.0780	-.0278	.0078	1.480	.0063
#2	.0123	5.549	.2000	.0774	-.0260	.0174	1.479	.0067

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	-.0014	8.919	.0090	.4437	1.932	F-.0076	.2995	.0156
Stddev	.0011	.013	.0002	.0004	.006	.0017	.0045	.0055
%RSD	81.62	.1499	1.716	.0864	.3000	22.54	1.502	35.10
#1	-.0021	8.909	.0089	.4440	1.936	-.0089	.3027	.0117
#2	-.0006	8.928	.0091	.4434	1.928	-.0064	.2964	.0194

Elem	Zn2062	Zr3391
Avg	.4060	.0949
Stddev	.0004	.0024
%RSD	.0977	2.555
#1	.4057	.0966
#2	.4062	.0932

Zoom In Zoom Out

Sample Name: MC26713-10 Acquired: 12/13/2013 12:04:28 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1272.3	55900.	20749.
Stddev	.8	193.	87.
%RSD	.06533	.34558	.42022
#1	1271.7	55763.	20811.
#2	1272.8	56037.	20688.

Zoom In Zoom Out

Sample Name: MC26713-11 Acquired: 12/13/2013 12:09:29 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0008	93.83	.0538	.0003	.1098	.5108	.0046	560.8
Stddev	.0004	.64	.0008	.0003	.0009	.0033	.0001	.2
%RSD	46.13	.6829	1.427	124.8	.8284	.6448	1.455	.0412
#1	-.0005	94.28	.0532	.0000	.1091	.5132	.0046	561.0
#2	-.0011	93.37	.0543	.0005	.1104	.5085	.0045	560.7

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	-.0003	.0704	.1785	.1586	148.3	17.98	214.4	2.762
Stddev	.0000	.0002	.0006	.0008	1.0	.11	.8	.007
%RSD	12.06	.2441	.3471	.4862	.6480	.6129	.3614	.2503
#1	-.0003	.0703	.1780	.1580	149.0	18.06	215.0	2.757
#2	-.0004	.0705	.1789	.1591	147.6	17.90	213.9	2.767

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0145	1.357	.2099	.0749	-.0218	.0114	16.10	.0045
Stddev	.0000	.007	.0005	.0003	.0019	.0071	.02	.0005
%RSD	.0896	.5439	.2197	.3568	8.885	62.33	.1097	11.68
#1	.0144	1.362	.2096	.0747	-.0204	.0165	16.09	.0049
#2	.0145	1.351	.2102	.0751	-.0231	.0064	16.11	.0041

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	-.0010	7.212	.0071	.6801	2.105	F-.0056	.2382	.0098
Stddev	.0005	.022	.0000	.0052	.004	.0002	.0009	.0046
%RSD	44.05	.3086	.1401	.7716	.1925	4.070	.3811	47.07
#1	-.0014	7.197	.0071	.6838	2.102	-.0058	.2376	.0065
#2	-.0007	7.228	.0071	.6764	2.108	-.0055	.2389	.0131

Elem	Zn2062	Zr3391
Avg	.3785	.0732
Stddev	.0005	.0005
%RSD	.1409	.6747
#1	.3781	.0728
#2	.3788	.0735

Zoom In Zoom Out

Sample Name: MC26713-11 Acquired: 12/13/2013 12:09:29 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1291.1	56164.	20875.
Stddev	.8	246.	117.
%RSD	.06465	.43873	.55991
#1	1291.7	56338.	20792.
#2	1290.5	55990.	20958.

Zoom In Zoom Out

Sample Name: MC26883-8 Acquired: 12/13/2013 12:14:21 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	109.1	.0655	-.0002	.0438	.5316	.0060	25.10	.0011	.0730
Stddev	.0001	.1	.0000	.0011	.0003	.0002	.0000	.05	.0001	.0002
%RSD	12.20	.1076	.0521	458.1	.7836	.0405	.1913	.2172	7.011	.2078
#1	-.0004	109.0	.0656	-.0010	.0436	.5317	.0060	25.06	.0011	.0729
#2	-.0005	109.2	.0655	.0005	.0441	.5314	.0060	25.14	.0010	.0731

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1809	.1400	182.4	11.61	30.45	1.253	.0117	2.207	.2078	.0958
Stddev	.0006	.0005	2.5	.01	.00	.001	.0001	.002	.0003	.0002
%RSD	.3536	.3574	1.344	.1222	.0115	.0418	1.161	.0875	.1339	.2480
#1	.1805	.1403	184.1	11.60	30.45	1.252	.0117	2.205	.2076	.0956
#2	.1814	.1396	180.7	11.62	30.44	1.253	.0116	2.208	.2080	.0960

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0025	-.0023	.6053	.0065	.0009	7.759	.0103	.1248	1.871	-.0041
Stddev	.0011	.0005	.0016	.0001	.0004	.020	.0003	.0002	.001	.0000
%RSD	45.18	22.69	.2651	1.559	40.59	.2516	3.331	.1393	.0563	.7783
#1	.0033	-.0026	.6042	.0064	.0007	7.746	.0101	.1247	1.870	-.0041
#2	.0017	-.0019	.6064	.0065	.0012	7.773	.0106	.1249	1.872	-.0041

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.3143	.0040	.4243	.0829
Stddev	.0010	.0011	.0003	.0005
%RSD	.3138	26.43	.0744	.6473
#1	.3136	.0047	.4246	.0825
#2	.3150	.0032	.4241	.0833

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1391.5	58770.	21466.
Stddev	.5	29.	45.
%RSD	.03483	.05000	.21130
#1	1391.2	58791.	21498.
#2	1391.9	58750.	21434.

Zoom In Zoom Out

Sample Name: MC26883-10 Acquired: 12/13/2013 12:19:15 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0006	89.56	.0710	.0013	.0946	.4415	.0048	566.8
Stddev	.0004	.44	.0005	.0006	.0002	.0020	.0000	2.6
%RSD	63.12	.4871	.6522	48.71	.2002	.4465	.2761	.4585
#1	-.0003	89.25	.0714	.0017	.0947	.4401	.0048	564.9
#2	-.0009	89.87	.0707	.0008	.0945	.4429	.0048	568.6

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0000	.0716	.1525	.1585	168.0	15.54	201.1	3.225
Stddev	.0002	.0005	.0022	.0016	.7	.11	.8	.024
%RSD	541.0	.6680	1.462	1.008	.4346	.7328	.3887	.7551
#1	.0002	.0713	.1509	.1574	167.5	15.46	200.6	3.208
#2	-.0001	.0720	.1541	.1596	168.6	15.62	201.7	3.243

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0145	2.772	.2043	.0842	-.0231	.0167	1.437	.0066
Stddev	.0001	.036	.0004	.0006	.0000	.0038	.001	.0005
%RSD	.8040	1.294	.1785	.6820	.1372	22.74	.0454	7.327
#1	.0146	2.747	.2045	.0846	-.0231	.0140	1.436	.0070
#2	.0144	2.798	.2040	.0838	-.0231	.0194	1.437	.0063

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0000	7.879	.0082	.5026	1.900	F-.0060	.2588	.0176
Stddev	.003	.022	.0014	.0027	.014	.0001	.0030	.0040
%RSD	5900.	.2768	16.64	.5278	.7465	2.136	1.153	22.70
#1	-.0019	7.894	.0072	.5007	1.890	-.0061	.2567	.0148
#2	.0018	7.863	.0092	.5045	1.910	-.0059	.2609	.0204

Elem	Zn2062	Zr3391
Avg	.3955	.0834
Stddev	.0002	.0024
%RSD	.0596	2.923
#1	.3953	.0816
#2	.3957	.0851

Zoom In Zoom Out

Sample Name: MC26883-10 Acquired: 12/13/2013 12:19:15 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1276.4	55531.	20559.
Stddev	3.9	295.	106.
%RSD	.30574	.53193	.51589
#1	1273.6	55740.	20634.
#2	1279.2	55322.	20484.

Zoom In Zoom Out

Sample Name: MC26964-1 Acquired: 12/13/2013 12:24:07 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0001	99.42	.0641	.0038	.0426	3.081	.0048	438.4	.0025
Stddev	.0000	1.22	.0010	.0007	.0000	.046	.0001	7.0	.0001
%RSD	38.65	1.229	1.616	17.29	.1169	1.505	1.604	1.589	4.536
#1	-.0002	98.56	.0634	.0033	.0427	3.048	.0047	433.4	.0024
#2	-.0001	100.3	.0648	.0042	.0426	3.114	.0048	443.3	.0026

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0881	.4295	.4013	198.6	11.20	52.63	6.858	.0793	8.641
Stddev	.0003	.0033	.0018	3.2	.12	.82	.052	.0002	.097
%RSD	.3239	.7606	.4472	1.601	1.115	1.565	.7543	.2806	1.119
#1	.0883	.4271	.4000	196.4	11.11	52.05	6.895	.0795	8.572
#2	.0879	.4318	.4026	200.8	11.28	53.21	6.821	.0792	8.709

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.3024	.9893	-.0178	.0368	F19.15	.0083	.0016	5.366	.1092
Stddev	.0003	.0037	.0003	.0066	.01	.0009	.0011	.010	.0005
%RSD	.1078	.3729	1.793	18.06	.0402	11.18	70.79	.1785	.4451
#1	.3021	.9867	-.0176	.0415	19.15	.0076	.0023	5.372	.1088
#2	.3026	.9919	-.0180	.0321	19.14	.0089	.0008	5.359	.1095

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.272	.8001	-.0041	.1435	.0210	1.062	.0817
Stddev	.013	.0043	.0003	.0009	.0070	.002	.0016
%RSD	1.047	.5368	7.196	.6171	33.29	.2242	1.938
#1	1.262	.8032	-.0043	.1429	.0161	1.061	.0805
#2	1.281	.7971	-.0039	.1441	.0260	1.064	.0828

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1319.8	56802.	21009.
Stddev	2.6	315.	231.
%RSD	.19521	.55384	1.0995
#1	1318.0	56580.	21172.
#2	1321.6	57025.	20846.

Zoom In Zoom Out

Sample Name: MC26964-2 Acquired: 12/13/2013 12:29:17 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0007	66.87	.0971	.0006	.0422	F28.21	.0047	304.3
Stddev	.0000	.07	.0001	.0002	.0006	.28	.0000	1.4
%RSD	6.099	.1077	.0878	38.32	1.403	.9848	.9248	.4509
#1	.0008	66.82	.0970	.0004	.0426	28.02	.0047	303.4
#2	.0007	66.92	.0972	.0008	.0418	28.41	.0047	305.3

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0084	.0998	.3139	.6618	F245.9	7.056	35.77	5.848
Stddev	.0001	.0006	.0002	.0003	.9	.003	.19	.020
%RSD	1.359	.5944	.0547	.0384	.3708	.0429	.5422	.3385
#1	.0084	.1002	.3138	.6620	245.3	7.058	35.91	5.862
#2	.0085	.0994	.3141	.6617	246.6	7.054	35.64	5.834

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0565	2.178	.8175	4.371	-.0126	.0315	16.43	.0110
Stddev	.0001	.022	.0009	.001	.0010	.0001	.02	.0007
%RSD	.1628	1.028	.1161	.0243	7.738	.4738	.1456	6.527
#1	.0564	2.194	.8181	4.371	-.0133	.0314	16.45	.0105
#2	.0565	2.162	.8168	4.370	-.0119	.0317	16.41	.0116

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0054	7.419	.0546	1.110	1.226	F-.0054	.1764	.1521
Stddev	.0005	.006	.0005	.001	.002	.0002	.0002	.0025
%RSD	9.645	.0782	.8483	.1142	.1481	4.319	.1366	1.660
#1	.0058	7.423	.0549	1.109	1.228	-.0052	.1762	.1539
#2	.0050	7.414	.0542	1.111	1.225	-.0056	.1765	.1503

Elem	Zn2062	Zr3391
Avg	1.471	.0329
Stddev	.001	.0008
%RSD	.0550	2.303
#1	1.470	.0334
#2	1.471	.0324

Zoom In Zoom Out

Sample Name: MC26964-2 Acquired: 12/13/2013 12:29:17 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1314.3	56625.	20831.
Stddev	2.0	67.	23.
%RSD	.15049	.11890	.11263
#1	1312.9	56577.	20848.
#2	1315.7	56672.	20814.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/13/2013 12:34:33 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2463	9.854	1.943	-.0015	1.965	1.976	1.923	9.811	1.973	2.036
Stddev	.0021	.010	.005	.0001	.002	.002	.000	.004	.001	.000
%RSD	.8483	.1012	.2726	6.021	.0777	.0803	.0031	.0360	.0458	.0011
#1	.2478	9.861	1.947	-.0014	1.964	1.975	1.923	9.814	1.973	2.036
#2	.2448	9.847	1.939	-.0016	1.966	1.977	1.923	9.809	1.972	2.036

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.918	2.004	9.581	9.726	9.695	1.910	1.947	9.755	1.923	1.934
Stddev	.004	.001	.004	.025	.061	.001	.001	.012	.000	.001
%RSD	.2113	.0710	.0388	.2599	.6331	.0434	.0442	.1210	.0178	.0242
#1	1.920	2.005	9.579	9.744	9.738	1.910	1.947	9.746	1.923	1.934
#2	1.915	2.003	9.584	9.708	9.651	1.909	1.948	9.763	1.923	1.934

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0007	.0110	-.0068	1.957	1.943	.0207	1.940	1.950	1.932	1.948
Stddev	.0006	.0018	.0005	.003	.002	.0007	.000	.001	.002	.006
%RSD	84.69	16.71	7.715	.1740	.1043	3.481	.0020	.0499	.1097	.3183
#1	.0011	.0123	-.0072	1.960	1.941	.0201	1.940	1.950	1.933	1.944
#2	.0003	.0097	-.0064	1.955	1.944	.0212	1.940	1.951	1.930	1.952

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.944	-.0111	1.929	-.0032
Stddev	.002	.0002	.001	.0010
%RSD	.1136	1.375	.0552	30.85
#1	1.945	-.0110	1.930	-.0025
#2	1.942	-.0113	1.928	-.0039

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1292.6	54358.	19712.
Stddev	1.6	112.	55.
%RSD	.12218	.20684	.27864
#1	1291.5	54278.	19673.
#2	1293.7	54437.	19751.

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/13/2013 12:39:21 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	.0000	.0003	-.0003	.0013	.0004	.0001	.0056	.0003	.0004
Stddev	.0003	.0064	.0004	.0005	.0003	.0001	.0001	.0008	.0001	.0000
%RSD	2264.	27130.	109.6	189.7	20.23	31.63	58.06	14.24	19.04	13.31
#1	-.0002	-.0045	.0001	.0001	.0015	.0003	.0001	.0050	.0004	.0003
#2	.0002	.0045	.0006	-.0006	.0011	.0004	.0002	.0062	.0003	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0003	-.0002	.0017	.0185	.0054	.0003	.0015	.0071	.0005	.0002
Stddev	.0002	.0004	.0008	.0290	.0017	.0002	.0002	.0007	.0003	.0009
%RSD	51.63	264.8	48.74	156.7	32.14	49.43	12.81	10.54	54.91	434.0
#1	.0002	-.0005	.0022	-.0020	.0041	.0002	.0016	.0065	.0007	.0009
#2	.0004	.0001	.0011	.0390	.0066	.0004	.0013	.0076	.0003	-.0004

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0001	.0024	-.0050	.0003	.0011	.0129	.0007	.0002	.0004	.0016
Stddev	.0001	.0039	.0001	.0000	.0003	.0135	.0002	.0001	.0002	.0002
%RSD	123.7	162.1	2.422	9.017	30.70	105.1	28.08	68.78	46.37	11.58
#1	.0000	-.0004	-.0049	.0003	.0009	.0033	.0006	.0001	.0003	.0014
#2	-.0001	.0052	-.0051	.0002	.0013	.0224	.0009	.0002	.0005	.0017

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0003	-.0032	.0005	-.0053
Stddev	.0006	.0059	.0001	.0001
%RSD	191.6	186.4	17.60	1.756
#1	-.0001	-.0073	.0004	-.0052
#2	.0008	.0010	.0005	-.0053

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1302.2	54595.	19444.
Stddev	.9	213.	74.
%RSD	.07167	.38988	.38028
#1	1301.5	54444.	19496.
#2	1302.8	54745.	19392.

Zoom In Zoom Out

Sample Name: MC26964-3 Acquired: 12/13/2013 12:44:18 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0001	75.59	.0583	.0040	.0849	1.258	.0051	F1501.	-.0012
Stddev	.0002	.01	.0032	.0000	.0006	.000	.0000	4.	.0001
%RSD	135.2	.0192	5.512	.4274	.7153	.0027	.2157	.2917	9.269
#1	.0002	75.60	.0560	.0040	.0845	1.258	.0051	1504.	-.0011
#2	.0000	75.58	.0606	.0040	.0853	1.258	.0051	1498.	-.0013

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.2423	.1255	.4710	166.2	11.73	68.41	8.070	.0269	4.585
Stddev	.0001	.0017	.0017	.2	.01	.20	.019	.0001	.002
%RSD	.0409	1.334	.3657	.1158	.0707	.2912	.2323	.5145	.0407
#1	.2422	.1243	.4722	166.1	11.74	68.55	8.057	.0268	4.584
#2	.2423	.1267	.4697	166.4	11.73	68.26	8.083	.0270	4.586

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4452	.1583	-.0458	.0433	F45.47	.0036	-.0004	4.576	.0127
Stddev	.0004	.0007	.0001	.0048	.01	.0002	.0021	.004	.0000
%RSD	.0818	.4115	.2213	11.20	.0129	6.872	563.6	.0990	.1019
#1	.4450	.1588	-.0457	.0399	45.47	.0034	-.0018	4.579	.0127
#2	.4455	.1578	-.0459	.0467	45.46	.0038	.0011	4.573	.0127

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	2.881	.1981	-.0041	.1466	.0125	1.254	.0393
Stddev	.022	.0011	.0006	.0009	.0008	.002	.0009
%RSD	.7544	.5371	15.33	.6332	6.078	.1363	2.237
#1	2.896	.1989	-.0037	.1460	.0131	1.255	.0387
#2	2.866	.1974	-.0046	.1473	.0120	1.252	.0399

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1319.6	57936.	21823.
Stddev	.4	177.	95.
%RSD	.03047	.30520	.43349
#1	1319.3	58061.	21756.
#2	1319.9	57811.	21890.

Zoom In Zoom Out

Sample Name: MC26964-4 Acquired: 12/13/2013 12:49:25 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0001	91.78	.2068	.0045	.0842	1.548	.0044	F660.5	.0056
Stddev	.0000	.21	.0019	.0011	.0003	.004	.0000	2.6	.0000
%RSD	2.430	.2281	.9402	24.08	.3426	.2759	.7671	.3912	.1196
#1	.0001	91.63	.2082	.0053	.0844	1.545	.0043	658.7	.0056
#2	.0001	91.93	.2054	.0037	.0840	1.551	.0044	662.3	.0056

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.4561	.1325	.3402	F237.9	9.655	40.26	6.310	.0234	4.218
Stddev	.0012	.0008	.0020	.1	.010	.47	.014	.0002	.011
%RSD	.2569	.5900	.5830	.0559	.1082	1.164	.2146	.8941	.2622
#1	.4552	.1331	.3416	237.8	9.648	40.59	6.319	.0233	4.210
#2	.4569	.1319	.3388	238.0	9.662	39.93	6.300	.0236	4.226

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.2902	2.763	-.0257	.0325	F49.17	.0178	.0121	6.707	.0486
Stddev	.0011	.002	.0023	.0037	.04	.0011	.0013	.006	.0004
%RSD	.3721	.0716	8.782	11.47	.0744	6.120	10.82	.0941	.8371
#1	.2895	2.761	-.0273	.0299	49.14	.0171	.0112	6.711	.0489
#2	.2910	2.764	-.0241	.0352	49.20	.0186	.0130	6.702	.0483

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.058	2.015	-.0031	.1690	.0214	1.077	.0866
Stddev	.002	.005	.0004	.0014	.0089	.003	.0002
%RSD	.1469	.2328	11.48	.8287	41.57	.2311	.2406
#1	1.057	2.019	-.0028	.1700	.0151	1.075	.0867
#2	1.059	2.012	-.0033	.1680	.0277	1.079	.0864

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1292.1	56184.	20548.
Stddev	.2	103.	2.
%RSD	.01719	.18330	.00855
#1	1292.3	56112.	20547.
#2	1291.9	56257.	20550.

Zoom In Zoom Out

Sample Name: MC26964-8 Acquired: 12/13/2013 12:54:27 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0009	108.4	.1087	-.0026	.0634	2.057	.0068	347.9
Stddev	.0001	.1	.0011	.0000	.0009	.002	.0000	.0
%RSD	12.04	.1136	1.051	.8619	1.437	.1180	.0125	.0047
#1	.0008	108.5	.1079	-.0026	.0640	2.059	.0068	347.9
#2	.0010	108.3	.1096	-.0026	.0628	2.055	.0068	348.0

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0107	.1033	.3518	5.618	F405.5	10.06	37.35	6.240
Stddev	.0000	.0008	.0015	.009	2.0	.03	.07	.033
%RSD	.2988	.7378	.4131	.1598	.4975	.2565	.1915	.5246
#1	.0107	.1027	.3528	5.624	404.1	10.08	37.30	6.264
#2	.0107	.1038	.3507	5.611	407.0	10.05	37.41	6.217

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0305	37.83	2.479	1.896	-.0221	.0280	9.056	.0610
Stddev	.0003	.05	.003	.002	.0015	.0003	.020	.0007
%RSD	.8412	.1450	.1076	.0996	6.909	.9267	.2159	1.085
#1	.0304	37.87	2.478	1.895	-.0231	.0282	9.042	.0606
#2	.0307	37.79	2.481	1.898	-.0210	.0279	9.070	.0615

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	-.0071	7.178	.3772	1.529	2.097	F-.0061	.1782	.0872
Stddev	.0016	.024	.0014	.002	.005	.0007	.0001	.0021
%RSD	22.65	.3307	.3604	.0982	.2177	11.07	.0835	2.440
#1	-.0060	7.161	.3763	1.530	2.101	-.0056	.1783	.0887
#2	-.0083	7.195	.3782	1.528	2.094	-.0066	.1781	.0857

Elem	Zn2062	Zr3391
Avg	5.175	.0569
Stddev	.011	.0015
%RSD	.2094	2.712
#1	5.167	.0580
#2	5.183	.0558

Zoom In Zoom Out

Sample Name: MC26964-8 Acquired: 12/13/2013 12:54:27 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1309.2	57371.	20911.
Stddev	1.3	227.	6.
%RSD	.10161	.39518	.02840
#1	1310.1	57210.	20915.
#2	1308.2	57531.	20906.

Zoom In Zoom Out

Sample Name: MC26997-3 Acquired: 12/13/2013 12:59:31 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0010	132.8	.0549	.0032	.0109	.3549	.0053	39.17
Stddev	.0002	.1	.0004	.0004	.0006	.0008	.0000	.01
%RSD	16.11	.0452	.7068	10.93	5.470	.2318	.4132	.0318
#1	-.0009	132.9	.0552	.0030	.0114	.3555	.0053	39.18
#2	-.0011	132.8	.0547	.0035	.0105	.3543	.0053	39.16

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0002	.1038	.2227	.1903	220.9	18.87	63.24	4.854
Stddev	.0002	.0000	.0003	.0006	1.3	.08	.14	.012
%RSD	68.65	.0099	.1258	.2981	.5659	.4021	.2248	.2375
#1	.0004	.1038	.2225	.1907	220.0	18.92	63.34	4.846
#2	.0001	.1038	.2229	.1899	221.8	18.82	63.14	4.863

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0013	2.108	.1878	.0591	-.0001	.0178	2.642	.0101
Stddev	.0001	.017	.0005	.0006	.0001	.0009	.001	.0010
%RSD	4.089	.7863	.2463	.9362	149.6	4.859	.0174	9.910
#1	.0013	2.096	.1875	.0595	.0000	.0172	2.643	.0094
#2	.0014	2.119	.1882	.0588	-.0002	.0184	2.642	.0108

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	-.0020	6.756	-.0028	.1709	7.245	F-.0125	.2980	.0084
Stddev	.0001	.002	.0006	.0001	.012	.0012	.0009	.0060
%RSD	2.703	.0258	20.11	.0517	.1595	9.423	.3001	71.86
#1	-.0019	6.755	-.0024	.1709	7.237	-.0116	.2974	.0127
#2	-.0020	6.758	-.0032	.1708	7.253	-.0133	.2987	.0041

Elem	Zn2062	Zr3391
Avg	.4594	.0146
Stddev	.0003	.0015
%RSD	.0673	10.41
#1	.4591	.0135
#2	.4596	.0157

Zoom In Zoom Out

Sample Name: MC26997-3 Acquired: 12/13/2013 12:59:31 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1436.3	60556.	22159.
Stddev	1.2	269.	19.
%RSD	.08322	.44352	.08650
#1	1435.5	60746.	22172.
#2	1437.2	60366.	22145.

Zoom In Zoom Out

Sample Name: MC26997-4 Acquired: 12/13/2013 13:04:31 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0009	59.19	.0555	.0042	.0300	.5645	.0035	112.5
Stddev	.0008	.01	.0010	.0003	.0007	.0008	.0000	.0
%RSD	81.64	.0102	1.758	6.206	2.294	.1461	.6210	.0387
#1	.0004	59.20	.0561	.0044	.0295	.5639	.0035	112.5
#2	.0015	59.19	.0548	.0040	.0305	.5651	.0035	112.6

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0029	.0561	.1322	.4740	144.1	5.731	42.91	2.634
Stddev	.0001	.0003	.0004	.0000	.2	.024	.06	.006
%RSD	2.969	.5820	.2712	.0030	.1145	.4157	.1282	.2413
#1	.0028	.0558	.1324	.4740	144.0	5.748	42.87	2.638
#2	.0029	.0563	.1319	.4740	144.2	5.714	42.95	2.629

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0068	1.828	.1149	1.516	-.0018	.0139	3.589	.0090
Stddev	.0001	.008	.0001	.003	.0001	.0002	.007	.0008
%RSD	1.320	.4256	.1035	.1713	6.242	1.665	.2080	8.611
#1	.0067	1.823	.1148	1.514	-.0017	.0138	3.594	.0085
#2	.0068	1.834	.1150	1.518	-.0019	.0141	3.583	.0096

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0027	3.671	.0946	.2600	3.520	F-.0074	.2326	.0113
Stddev	.0002	.005	.0005	.0004	.011	.0002	.0008	.0028
%RSD	5.822	.1245	.5552	.1598	.3059	2.433	.3609	25.01
#1	.0026	3.668	.0942	.2597	3.528	-.0072	.2332	.0134
#2	.0028	3.674	.0950	.2603	3.512	-.0075	.2320	.0093

Elem	Zn2062	Zr3391
Avg	1.376	.0256
Stddev	.000	.0003
%RSD	.0023	1.132
#1	1.376	.0258
#2	1.376	.0254

Zoom In Zoom Out

Sample Name: MC26997-4 Acquired: 12/13/2013 13:04:31 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1348.0	57858.	21065.
Stddev	.4	80.	37.
%RSD	.03267	.13801	.17413
#1	1348.3	57802.	21039.
#2	1347.7	57915.	21091.

Zoom In Zoom Out

Sample Name: MC26997-5 Acquired: 12/13/2013 13:09:20 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0010	124.0	.0403	.0018	.0142	.3133	.0051	32.65
Stddev	.0002	.2	.0016	.0005	.0001	.0005	.0000	.02
%RSD	18.83	.1539	3.982	31.24	1.034	.1659	.7053	.0700
#1	-.0008	123.8	.0392	.0021	.0143	.3129	.0050	32.67
#2	-.0011	124.1	.0415	.0014	.0141	.3137	.0051	32.63

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0001	.0969	.1956	.1886	210.1	17.60	55.96	4.406
Stddev	.0003	.0001	.0018	.0013	.0	.02	.02	.020
%RSD	358.8	.0734	.9259	.7062	.0158	.1326	.0269	.4511
#1	.0003	.0969	.1944	.1895	210.1	17.58	55.97	4.392
#2	-.0001	.0970	.1969	.1876	210.1	17.62	55.95	4.420

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0005	2.246	.1717	.0553	.0035	.0253	1.270	.0082
Stddev	.0000	.026	.0003	.0005	.0007	.0044	.003	.0005
%RSD	4.342	1.164	.1882	.9224	18.98	17.31	.2161	6.125
#1	.0005	2.264	.1719	.0549	.0030	.0284	1.272	.0079
#2	.0005	2.227	.1715	.0556	.0039	.0222	1.268	.0086

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0002	6.691	-.0027	.1390	6.973	F-.0118	.2827	.0175
Stddev	.0012	.013	.0002	.0005	.018	.0009	.0003	.0040
%RSD	514.5	.1986	6.913	.3506	.2603	7.463	.0969	23.00
#1	.0011	6.682	-.0025	.1386	6.960	-.0125	.2825	.0203
#2	-.0006	6.701	-.0028	.1393	6.985	-.0112	.2829	.0146

Elem	Zn2062	Zr3391
Avg	.4496	.0142
Stddev	.0001	.0008
%RSD	.0286	5.922
#1	.4497	.0136
#2	.4495	.0148

Zoom In Zoom Out

Sample Name: MC26997-5 Acquired: 12/13/2013 13:09:20 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1445.4	61790.	22210.
Stddev	.9	329.	79.
%RSD	.06369	.53231	.35386
#1	1446.1	62022.	22154.
#2	1444.8	61557.	22265.

Zoom In Zoom Out

Sample Name: MC26997-6 Acquired: 12/13/2013 13:14:20 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0011	126.1	.0508	.0011	.0090	.3581	.0052	35.24
Stddev	.0001	.0	.0012	.0017	.0002	.0003	.0000	.21
%RSD	7.644	.0274	2.335	157.7	1.972	.0766	.6697	.5904
#1	-.0011	126.1	.0499	-.0001	.0089	.3579	.0052	35.39
#2	-.0010	126.1	.0516	.0023	.0091	.3583	.0052	35.09

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0002	.0987	.2058	.1867	211.2	18.41	60.50	4.253
Stddev	.0002	.0003	.0002	.0013	2.2	.05	.17	.014
%RSD	71.54	.2558	.1062	.6890	1.024	.2710	.2859	.3271
#1	.0001	.0986	.2059	.1876	212.8	18.38	60.62	4.263
#2	.0003	.0989	.2056	.1858	209.7	18.45	60.38	4.243

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0009	1.535	.1766	.0545	.0020	.0189	3.167	.0088
Stddev	.0002	.007	.0002	.0007	.0000	.0006	.007	.0000
%RSD	23.43	.4508	.1182	1.233	.4622	3.343	.2110	.4824
#1	.0011	1.540	.1764	.0540	.0020	.0193	3.163	.0089
#2	.0008	1.530	.1767	.0549	.0020	.0184	3.172	.0088

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	-.0026	5.922	-.0045	.1739	7.535	F-.0114	.3083	.0091
Stddev	.0003	.006	.0006	.0001	.021	.0005	.0005	.0042
%RSD	10.25	.1037	12.88	.0512	.2815	4.765	.1586	46.29
#1	-.0028	5.918	-.0049	.1740	7.550	-.0118	.3086	.0061
#2	-.0024	5.926	-.0041	.1738	7.520	-.0110	.3079	.0121

Elem	Zn2062	Zr3391
Avg	.4124	.0226
Stddev	.0015	.0007
%RSD	.3575	2.916
#1	.4134	.0221
#2	.4113	.0231

Zoom In Zoom Out

Sample Name: MC26997-6 Acquired: 12/13/2013 13:14:20 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1439.5	61288.	22303.
Stddev	2.9	194.	260.
%RSD	.20350	.31655	1.1642
#1	1441.5	61151.	22120.
#2	1437.4	61425.	22487.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/13/2013 13:19:20 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2466	9.915	1.948	-.0008	1.978	1.979	1.925	9.739	1.978	2.045
Stddev	.0007	.008	.001	.0006	.002	.001	.002	.004	.001	.001
%RSD	.2790	.0844	.0698	79.81	.0810	.0598	.0948	.0462	.0247	.0417
#1	.2471	9.910	1.949	-.0004	1.979	1.980	1.924	9.736	1.978	2.046
#2	.2461	9.921	1.947	-.0013	1.977	1.978	1.927	9.742	1.977	2.044

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.906	2.018	9.555	9.655	9.584	1.906	1.958	9.782	1.930	1.940
Stddev	.006	.001	.013	.045	.065	.005	.000	.006	.000	.002
%RSD	.3107	.0605	.1312	.4682	.6735	.2816	.0119	.0651	.0066	.0999
#1	1.902	2.019	9.546	9.623	9.630	1.902	1.957	9.778	1.930	1.938
#2	1.910	2.018	9.563	9.687	9.538	1.910	1.958	9.787	1.931	1.941

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0000	.0095	-.0080	1.971	1.956	.0258	1.944	1.973	1.929	1.956
Stddev	.0013	.0017	.0009	.004	.006	.0003	.003	.025	.003	.003
%RSD	2746.	18.02	11.55	.2191	.3302	1.247	.1534	1.266	.1641	.1686
#1	.0009	.0083	-.0073	1.974	1.951	.0255	1.942	1.990	1.926	1.954
#2	-.0008	.0107	-.0086	1.967	1.961	.0260	1.946	1.955	1.931	1.959

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.934	-.0070	1.923	.0023
Stddev	.005	.0045	.000	.0018
%RSD	.2408	64.24	.0064	76.29
#1	1.931	-.0102	1.923	.0036
#2	1.937	-.0038	1.923	.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1292.1	54640.	19790.
Stddev	1.7	173.	1.
%RSD	.13065	.31652	.00289
#1	1290.9	54762.	19789.
#2	1293.3	54517.	19790.

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/13/2013 13:24:09 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0003	-.0008	-.0001	-.0004	.0010	.0003	.0002	.0047	F.0004
Stddev	.0002	.0058	.0015	.0001	.0002	.0002	.0001	.0016	.0000
%RSD	74.38	693.0	1216.	34.89	19.95	74.71	53.16	34.15	7.047
#1	.0004	-.0049	.0010	-.0003	.0012	.0001	.0001	.0036	.0005
#2	.0001	.0033	-.0012	-.0005	.0009	.0004	.0002	.0058	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0005	.0002	.0000	.0026	.0298	.0141	.0003	.0015	.0125
Stddev	.0000	.0006	.0001	.0005	.0090	.0081	.0000	.0003	.0016
%RSD	2.212	233.3	361.0	18.98	30.32	57.52	.3317	21.84	12.68
#1	.0005	.0007	.0000	.0029	.0234	.0198	.0003	.0017	.0114
#2	.0005	-.0002	.0001	.0022	.0362	.0084	.0003	.0013	.0137

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0005	-.0005	-.0005	-.0015	-.0050	.0005	-.0002	.0044	.0005
Stddev	.0000	.0000	.0009	.0007	.0003	.0001	.0015	.0011	.0002
%RSD	3.154	2.763	186.9	50.02	5.321	15.83	850.6	24.17	40.57
#1	.0005	-.0005	.0002	-.0020	-.0048	.0005	.0009	.0036	.0006
#2	.0004	-.0005	-.0011	-.0010	-.0052	.0004	-.0012	.0051	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0002	.0006	.0019	.0002	.0047	.0005	-.0063
Stddev	.0001	.0002	.0002	.0000	.0009	.0004	.0002
%RSD	31.44	26.26	8.259	13.41	18.39	84.99	3.754
#1	.0002	.0007	.0018	.0002	.0041	.0002	-.0064
#2	.0003	.0005	.0020	.0002	.0053	.0007	-.0061

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1302.9	55511.	19665.
Stddev	.6	119.	152.
%RSD	.04846	.21444	.77068
#1	1303.4	55595.	19558.
#2	1302.5	55427.	19772.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 12/13/2013 13:29:07 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0052	.1952	.0099	-.0012	.0986	.0498	.0040	4.873	.0040	.0510
Stddev	.0001	.0024	.0004	.0003	.0005	.0001	.0000	.007	.0001	.0001
%RSD	2.087	1.245	4.338	25.17	.5463	.1377	.9937	.1471	1.881	.1458
#1	.0052	.1970	.0102	-.0014	.0982	.0498	.0041	4.868	.0039	.0509
#2	.0051	.1935	.0096	-.0010	.0990	.0499	.0040	4.878	.0040	.0510

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0096	.0240	.0979	4.819	4.755	.0147	.0984	4.917	.0390	.0098
Stddev	.0002	.0003	.0005	.010	.025	.0001	.0004	.006	.0000	.0001
%RSD	1.936	1.227	.5181	.2103	.5222	.6579	.4178	.1143	.0107	1.423
#1	.0094	.0243	.0976	4.826	4.737	.0146	.0981	4.913	.0390	.0099
#2	.0097	.0238	.0983	4.812	4.772	.0148	.0987	4.921	.0390	.0097

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0006	.0028	-.0071	.0098	.0107	.0099	.0958	.0099	.0491	.0083
Stddev	.0011	.0032	.0007	.0009	.0013	.0002	.0004	.0000	.0002	.0010
%RSD	167.5	114.0	9.836	8.846	11.91	2.023	.4612	.0855	.4584	11.49
#1	-.0001	.0005	-.0066	.0104	.0098	.0098	.0955	.0099	.0492	.0090
#2	.0014	.0050	-.0076	.0092	.0116	.0101	.0961	.0098	.0489	.0076

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0098	-.0012	.0197	-.0057
Stddev	.0000	.0012	.0001	.0001
%RSD	.4001	99.27	.3143	1.406
#1	.0098	-.0020	.0197	-.0058
#2	.0098	-.0004	.0198	-.0057

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1299.1	55025.	19627.
Stddev	1.3	66.	73.
%RSD	.10304	.11976	.37152
#1	1300.0	55072.	19679.
#2	1298.1	54978.	19576.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/13/2013 13:34:03 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	528.8	-.0028	-.0018	.0008	-.0005	.0001	440.6	-.0004	.0002
Stddev	.0001	6.5	.0001	.0012	.0002	.0001	.0000	1.7	.0002	.0003
%RSD	130.8	1.236	4.798	66.29	30.31	28.39	32.65	.3858	51.67	145.3
#1	.0002	524.2	-.0028	-.0009	.0010	-.0006	.0001	439.4	-.0002	.0000
#2	.0000	533.4	-.0029	-.0026	.0006	-.0004	.0001	441.8	-.0005	.0005

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	.0032	174.1	-.0006	503.4	.0000	-.0018	.0401	.0082	-.0022
Stddev	.0003	.0003	.5	.0198	.9	.000	.0001	.0027	.0005	.0022
%RSD	77.42	10.75	.3138	3400.	.1880	328.3	6.013	6.697	5.774	98.27
#1	-.0005	.0035	173.7	.0134	502.8	.0000	-.0018	.0382	.0085	-.0007
#2	-.0002	.0030	174.5	-.0146	504.1	-.0001	-.0017	.0420	.0079	-.0037

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0246	-.0240	.0910	.0045	-.0027	.0513	-.0002	-.0073	.0058	-.0048
Stddev	.0004	.0027	.0013	.0009	.0012	.0006	.0001	.0000	.0005	.0000
%RSD	1.587	11.18	1.473	18.82	46.25	1.267	43.28	.6688	8.889	.6575
#1	-.0248	-.0221	.0920	.0052	-.0018	.0508	-.0002	-.0073	.0054	-.0047
#2	-.0243	-.0259	.0901	.0039	-.0036	.0517	-.0003	-.0074	.0061	-.0048

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0003	-.0216	.0004	.0015
Stddev	.0002	.0038	.0001	.0003
%RSD	74.99	17.69	17.15	21.87
#1	.0001	-.0243	.0004	.0012
#2	.0004	-.0189	.0003	.0017

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1170.3	50577.	19160.
Stddev	2.2	39.	75.
%RSD	.19157	.07738	.39354
#1	1168.7	50605.	19214.
#2	1171.9	50550.	19107.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/13/2013 13:39:04 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.053	527.0	2.128	.4898	1.026	.4989	.4505	440.5	1.036	.4857
Stddev	.006	.8	.001	.0008	.002	.0005	.0007	1.0	.000	.0000
%RSD	.5286	.1602	.0348	.1551	.1591	.1100	.1452	.2250	.0020	.0009
#1	1.049	527.6	2.127	.4903	1.028	.4993	.4501	441.2	1.036	.4857
#2	1.057	526.4	2.128	.4893	1.025	.4985	.4510	439.8	1.036	.4857

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4679	.5490	174.0	.0111	505.5	.4702	.9681	.0481	.8858	.9264
Stddev	.0049	.0014	.1	.0128	.2	.0026	.0018	.0011	.0001	.0034
%RSD	1.038	.2617	.0308	115.2	.0302	.5511	.1870	2.249	.0120	.3646
#1	.4645	.5480	174.0	.0021	505.6	.4684	.9668	.0473	.8857	.9288
#2	.4713	.5500	174.1	.0201	505.4	.4720	.9694	.0489	.8859	.9240

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.5243	.4771	.5889	2.075	2.005	7.653	.9789	.9585	.5012	1.951
Stddev	.0022	.0002	.0027	.003	.004	.006	.0023	.0002	.0022	.001
%RSD	.4226	.0443	.4611	.1629	.1868	.0786	.2355	.0206	.4330	.0284
#1	.5227	.4770	.5908	2.078	2.007	7.657	.9773	.9584	.4997	1.951
#2	.5259	.4773	.5869	2.073	2.002	7.649	.9806	.9586	.5028	1.951

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.4944	1.915	.8949	.3739
Stddev	.0007	.007	.0021	.0041
%RSD	.1348	.3718	.2301	1.096
#1	.4939	1.920	.8934	.3710
#2	.4948	1.910	.8963	.3768

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1172.5	50538.	19161.
Stddev	.8	241.	1.
%RSD	.07082	.47701	.00614
#1	1171.9	50708.	19160.
#2	1173.1	50368.	19162.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/13/2013 13:43:58 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2438	9.810	1.934	-.0004	1.957	1.960	1.905	9.630	1.959	2.023
Stddev	.0006	.030	.000	.0013	.001	.003	.000	.005	.000	.000
%RSD	.2522	.3093	.0191	297.6	.0466	.1710	.0232	.0477	.0131	.0079
#1	.2433	9.831	1.934	.0005	1.957	1.962	1.905	9.627	1.959	2.023
#2	.2442	9.788	1.934	-.0014	1.958	1.957	1.904	9.634	1.959	2.023

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.892	1.990	9.441	9.543	9.480	1.890	1.939	9.661	1.913	1.917
Stddev	.001	.004	.000	.023	.005	.000	.004	.010	.001	.003
%RSD	.0589	.1814	.0021	.2394	.0539	.0083	.2139	.1080	.0431	.1320
#1	1.892	1.987	9.441	9.559	9.484	1.890	1.936	9.668	1.912	1.915
#2	1.891	1.993	9.440	9.526	9.476	1.890	1.942	9.653	1.914	1.919

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0004	.0100	-.0106	1.950	1.934	.0221	1.928	1.925	1.906	1.934
Stddev	.0012	.0011	.0003	.003	.006	.0015	.004	.035	.004	.002
%RSD	273.5	11.20	2.484	.1459	.3308	6.696	.2354	1.819	.2087	.0771
#1	-.0004	.0108	-.0108	1.948	1.930	.0211	1.931	1.901	1.903	1.935
#2	.0013	.0092	-.0105	1.952	1.939	.0232	1.925	1.950	1.909	1.933

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.914	-.0020	1.905	.0063
Stddev	.000	.0004	.005	.0028
%RSD	.0232	18.05	.2726	44.16
#1	1.913	-.0023	1.909	.0083
#2	1.914	-.0018	1.902	.0043

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1289.1	54563.	19780.
Stddev	1.8	13.	8.
%RSD	.14282	.02355	.03925
#1	1290.4	54572.	19785.
#2	1287.8	54554.	19774.

Zoom In
Zoom Out

Sample Name: CCB Acquired: 12/13/2013 13:48:48 Type: Unk
Method: Accutest -SS2 with S(v258) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0004	.0059	.0005	.0007	.0016	.0004	.0004	.0119	.0004
Stddev	.0001	.0108	.0013	.0002	.0003	.0000	.0001	.0093	.0001
%RSD	26.08	184.3	246.4	21.95	16.22	.5686	21.64	78.57	24.91
#1	.0003	-.0018	-.0004	.0006	.0018	.0004	.0003	.0053	.0004
#2	.0004	.0135	.0014	.0008	.0014	.0004	.0004	.0185	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0005	.0005	.0004	.0052	.0293	.0254	.0008	.0017	.0119
Stddev	.0000	.0004	.0002	.0031	.0027	.0002	.0000	.0005	.0008
%RSD	2.438	79.53	49.39	58.33	9.364	.7761	2.782	29.24	6.783
#1	.0005	.0008	.0005	.0031	.0273	.0256	.0008	.0021	.0113
#2	.0005	.0002	.0003	.0074	.0312	.0253	.0008	.0014	.0124

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0004	.0005	.0000	-.0004	-.0071	.0004	.0003	.0034	.0002
Stddev	.0003	.0003	.0006	.0032	.0010	.0002	.0005	.0001	.0006
%RSD	72.26	65.00	6338.	732.0	13.38	34.12	174.7	1.918	268.1
#1	.0006	.0003	-.0004	-.0027	-.0065	.0006	.0007	.0034	-.0002
#2	.0002	.0008	.0005	.0018	-.0078	.0003	-.0001	.0035	.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0005	.0011	F.0020	.0008	.0047	.0006	-.0052
Stddev	.0001	.0003	.0003	.0001	.0018	.0001	.0001
%RSD	18.91	25.23	12.79	8.849	38.26	15.47	2.303
#1	.0004	.0013	.0022	.0007	.0060	.0007	-.0053
#2	.0006	.0009	.0018	.0008	.0034	.0005	-.0052

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1305.7	54949.	19633.
Stddev	2.9	20.	43.
%RSD	.22193	.03698	.21791
#1	1307.8	54963.	19663.
#2	1303.7	54935.	19603.

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 12/16/2013 14:27:52 Type: Cal
Method: Accutest -SS1 with S(v278) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0022**	**-.0013**	**-.0001**	**.0001**	**.0008**	**.0150**	**.0003**	**.0029**	**.0016**
Stddev	.0000	.0004	.0000	.0000	.0001	.0003	.0002	.0005	.0001
%RSD	1.744	27.82	22.28	4.799	8.029	2.035	68.28	16.81	4.616
#1	-.0021	-.0016	-.0001	.0001	.0007	.0153	.0005	.0026	.0016
#2	-.0022	-.0011	-.0001	.0001	.0008	.0148	.0002	.0033	.0017

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**.0000**	**.0005**	**.0004**	**.0095**	**-.0001**	**.0002**	**-.0005**	**.0080**
Stddev	.0001	.000	.0001	.0001	.0003	.0002	.0000	.0000	.0002
%RSD	30.12	97.76	10.42	30.68	3.187	200.1	.1592	4.058	2.504
#1	-.0003	.0000	.0005	.0003	.0093	.0000	.0002	-.0005	.0078
#2	-.0002	-.0001	.0005	.0005	.0097	-.0002	.0002	-.0005	.0081

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**-.0002**	**.0004**	**.0000**	**-.0007**	**.0005**	**.0002**	**.0053**	**-.0003**
Stddev	.000	.0001	.0001	.0001	.0000	.0000	.0000	.0001	.0000
%RSD	1180.	49.31	26.38	205.0	.6139	9.422	14.52	2.081	5.035
#1	.0002	-.0001	.0003	.0000	-.0007	.0004	.0002	.0052	-.0003
#2	-.0002	-.0003	.0005	.0001	-.0007	.0005	.0002	.0054	-.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0065**	**-.0003**	**-.0008**	**.0000**	**.0000**	**-.0004**	**.0120**
Stddev	.0003	.0001	.0001	.000	.0000	.0001	.0001
%RSD	5.238	35.41	7.790	573.7	329.1	28.32	.6048
#1	.0067	-.0004	-.0007	.0000	.0000	-.0005	.0120
#2	.0063	-.0002	-.0008	.0000	.0000	-.0003	.0119

◀ Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 12/16/2013 14:27:52 Type: Cal
Method: Accutest -SS1 with S(v278) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4787.5**	**113030.**	**9287.1**
Stddev	22.5	449.	43.3
%RSD	.47036	.39700	.46588
#1	4803.5	112720.	9256.5
#2	4771.6	113350.	9317.7

◀ Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 12/16/2013 14:32:47 Type: Cal
Method: Accutest -SS1 with S(v278) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1318**	**.4251**	**1.957**	**14.29**	**17.57**	**10.25**	**8.253**	**.5446**	**1.522**
Stddev	.0004	.0018	.007	.17	.10	.03	.021	.0023	.002
%RSD	.3178	.4127	.3369	1.195	.5781	.3097	.2502	.4282	.1497
#1	.1321	.4264	1.962	14.41	17.64	10.28	8.268	.5463	1.520
#2	.1315	.4239	1.953	14.17	17.49	10.23	8.239	.5430	1.524

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.725**	**4.205**	**5.572**	**1.342**	**.6724**	**.3720**	**.7333**	**9.256**
Stddev	.001	.002	.012	.004	.0030	.0007	.0025	.019
%RSD	.0201	.0413	.2146	.3120	.4495	.1896	.3432	.2029
#1	3.725	4.204	5.580	1.345	.6745	.3725	.7351	9.270
#2	3.726	4.206	5.564	1.339	.6703	.3715	.7315	9.243

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4728.7**	**112690.**	**9508.7**
Stddev	.0	7.	58.6
%RSD	.00089	.00589	.61669
#1	4728.7	112680.	9467.2
#2	4728.6	112690.	9550.1

◀ Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 12/16/2013 14:37:39 Type: Cal
Method: Accutest -SS1 with S(v278) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.073**	**2.271**	**1.153**	**1.234**	**.1664**	**3.775**
Stddev	.006	.000	.007	.002	.0019	.006
%RSD	.5899	.0189	.6407	.1892	1.172	.1604
#1	1.077	2.271	1.159	1.235	.1677	3.780
#2	1.068	2.271	1.148	1.232	.1650	3.771

Int. Std.	Y_3710
Units	Cts/S
Avg	**9442.1**
Stddev	41.2
%RSD	.43685
#1	9471.3
#2	9413.0

Zoom In Zoom Out

Sample Name: Std4 Acquired: 12/16/2013 14:42:33 Type: Cal
Method: Accutest -SS1 with S(v278) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	S_1820	Si2124	Sn1899	Sr4077	Ti3349	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1481**	**.3366**	**.0601**	**.1484**	**1.263**	**1.681**	**34.15**	**1.403**	**.6419**
Stddev	.0002	.0004	.0002	.0001	.000	.000	.08	.007	.0037
%RSD	.1471	.1252	.3539	.0542	.0309	.0126	.2312	.5130	.5823
#1	.1483	.3363	.0603	.1485	1.263	1.681	34.20	1.408	.6446
#2	.1480	.3369	.0600	.1484	1.263	1.681	34.09	1.398	.6393

Elem	W_2397	Zr3391
Units	Cts/S	Cts/S
Avg	**.0608**	**1.219**
Stddev	.0002	.001
%RSD	.3757	.1072
#1	.0610	1.220
#2	.0607	1.218

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4741.4**	**111490.**	**9480.1**
Stddev	7.0	943.	45.2
%RSD	.14675	.84572	.47709
#1	4746.3	110830.	9448.1
#2	4736.5	112160.	9512.1

Zoom In Zoom Out

Sample Name: ICV Acquired: 12/16/2013 14:47:30 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.4924**	**15.70**	**2.960**	**2.840**	**2.911**	**3.014**	**2.954**	**17.83**	**2.900**
Stddev	.0001	.08	.008	.029	.002	.019	.009	.07	.007
%RSD	.0115	.5177	.2694	1.018	.0765	.6206	.3227	.3998	.2597
#1	.4925	15.76	2.954	2.861	2.909	3.027	2.960	17.88	2.895
#2	.4924	15.64	2.965	2.820	2.912	3.001	2.947	17.78	2.906

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.909**	**2.967**	**2.834**	**18.35**	**14.94**	**18.26**	**2.953**	**2.807**	**15.25**
Stddev	.008	.012	.035	.03	.14	.05	.007	.015	.07
%RSD	.2641	.4174	1.249	.1429	.9055	.2588	.2550	.5253	.4414
#1	2.904	2.976	2.859	18.37	15.04	18.23	2.958	2.796	15.29
#2	2.915	2.959	2.809	18.33	14.85	18.30	2.948	2.817	15.20

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**2.817**	**2.826**	**2.875**	**2.842**	**2.884**	**2.896**	**2.937**	**2.873**	**3.060**
Stddev	.011	.004	.013	.020	.014	.005	.001	.006	.009
%RSD	.3783	.1451	.4471	.7120	.5005	.1802	.0362	.1986	.2787
#1	2.809	2.823	2.885	2.856	2.874	2.892	2.937	2.869	3.054
#2	2.824	2.829	2.866	2.827	2.894	2.899	2.938	2.877	3.066

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**3.022**	**2.899**	**2.883**	**2.851**	**2.776**	**2.863**	**.8776**
Stddev	.004	.011	.004	.009	.002	.009	.0141
%RSD	.1239	.3903	.1342	.3072	.0643	.3181	1.603
#1	3.019	2.907	2.880	2.857	2.775	2.857	.8876
#2	3.024	2.891	2.886	2.845	2.777	2.870	.8677

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4754.1**	**113010.**	**9390.0**
Stddev	19.2	159.	44.4
%RSD	.40379	.14042	.47258
#1	4767.6	113120.	9358.6
#2	4740.5	112900.	9421.4

Zoom In Zoom Out

Sample Name: ICB Acquired: 12/16/2013 14:54:00 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.0008**	**.0010**	**.0002**	**.0014**	**.0000**	**.0000**	**-.0031**	**.0001**
Stddev	.0001	.0012	.0004	.0002	.0001	.0000	.0000	.0029	.0001
%RSD	86.78	151.2	37.36	81.35	8.541	104.9	22.84	94.11	127.1
#1	-.0002	-.0001	.0007	.0004	.0014	.0000	.0000	-.0010	.0000
#2	.0000	.0016	.0013	.0001	.0013	.0000	.0000	-.0051	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0005**	**.0001**	**.0015**	**.0402**	**-.0198**	**.0000**	**.0031**	**.0043**
Stddev	.0001	.0002	.0002	.0021	.0411	.0030	.000	.0005	.0119
%RSD	106.2	32.21	344.5	144.8	102.2	15.29	311.0	15.30	279.3
#1	.0000	.0006	.0002	.0030	.0112	-.0220	.0000	.0034	-.0041
#2	-.0001	.0004	-.0001	.0000	.0692	-.0177	.0000	.0027	.0127

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0003**	**.0002**	**.0014**	**.0001**	**.0003**	**.0002**	**.0002**	**.0019**	**.0001**
Stddev	.0001	.0003	.0003	.0012	.0014	.0005	.0002	.0002	.0000
%RSD	45.61	161.6	19.72	846.5	454.4	221.4	97.87	13.12	27.80
#1	.0002	.0005	.0012	-.0007	.0013	-.0001	.0004	.0017	.0001
#2	.0004	.0000	.0016	.0010	-.0007	.0006	.0001	.0020	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0000**	**.0008**	**.0002**	**.0113**	**.0000**	**-.0013**
Stddev	.000	.0000	.0006	.0003	.0001	.000	.0003
%RSD	83.70	261.0	79.94	123.0	.9077	227.9	19.51
#1	.0000	.0000	.0003	.0000	.0112	.0000	-.0015
#2	.0000	.0001	.0013	.0004	.0114	.0000	-.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4761.6**	**112010.**	**9445.3**
Stddev	21.4	189.	32.6
%RSD	.44926	.16915	.34505
#1	4776.7	112140.	9468.3
#2	4746.4	111870.	9422.2

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/16/2013 14:58:54 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2370**	**9.805**	**1.935**	**.0006**	**1.928**	**1.950**	**1.952**	**9.826**	**1.942**
Stddev	.0013	.047	.003	.0002	.003	.016	.009	.064	.000
%RSD	.5503	.4760	.1301	42.60	.1350	.7965	.4535	.6468	.0058
#1	.2360	9.838	1.934	.0004	1.926	1.961	1.958	9.871	1.942
#2	.2379	9.772	1.937	.0007	1.930	1.939	1.945	9.781	1.942

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.015**	**1.877**	**1.846**	**10.01**	**9.729**	**9.873**	**1.910**	**1.933**	**9.877**
Stddev	.004	.008	.006	.07	.019	.127	.009	.007	.010
%RSD	.2220	.4242	.3384	.7111	.1999	1.281	.4632	.3521	.1033
#1	2.012	1.871	1.842	10.06	9.716	9.962	1.904	1.928	9.884
#2	2.019	1.883	1.850	9.964	9.743	9.783	1.917	1.938	9.870

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.921**	**1.904**	**.0019**	**-.0089**	**-.0026**	**1.938**	**1.936**	**.0072**	**1.903**
Stddev	.002	.005	.0014	.0005	.0017	.002	.003	.0005	.006
%RSD	.0979	.2875	73.23	5.210	65.25	.0819	.1568	7.021	.3362
#1	1.919	1.900	.0028	-.0093	-.0014	1.937	1.934	.0069	1.898
#2	1.922	1.908	.0009	-.0086	-.0038	1.939	1.938	.0076	1.907

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.985**	**1.854**	**1.924**	**1.854**	**.0008**	**1.927**	**.0118**
Stddev	.004	.010	.003	.006	.0025	.006	.0025
%RSD	.1753	.5614	.1758	.3337	291.4	.3354	21.56
#1	1.987	1.846	1.922	1.850	.0026	1.923	.0136
#2	1.982	1.861	1.926	1.859	-.0009	1.932	.0100

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4738.5**	**115420.**	**9428.9**
Stddev	10.3	186.	3.2
%RSD	.21777	.16086	.03395
#1	4745.8	115550.	9431.1
#2	4731.2	115290.	9426.6

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/16/2013 15:04:59 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.0057**	**-.0002**	**-.0013**	**.0015**	**.0001**	**.0001**	**-.0035**	**.0002**
Stddev	.0001	.0014	.0007	.0006	.0002	.0001	.0001	.0010	.0000
%RSD	76.90	24.04	463.3	50.32	11.37	40.96	131.4	28.16	18.38
#1	-.0002	.0048	.0003	-.0017	.0016	.0001	.0001	-.0028	.0002
#2	-.0001	.0067	-.0007	-.0008	.0013	.0002	.0000	-.0042	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0005**	**.0000**	**.0014**	**.0058**	**-.0055**	**.0000**	**.0027**	**.0022**
Stddev	.0000	.0001	.0001	.0038	.0287	.0077	.0000	.0004	.0104
%RSD	91.86	9.629	374.9	268.7	496.1	140.9	104.1	15.55	465.5
#1	.0000	.0005	.0000	.0041	-.0145	.0000	.0000	.0030	-.0051
#2	.0001	.0006	.0001	-.0013	.0261	-.0109	.0000	.0024	.0096

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0005**	**-.0002**	**.0001**	**.0008**	**-.0034**	**.0007**	**.0009**	**.0016**	**.0002**
Stddev	.0001	.0001	.0017	.0011	.0020	.0000	.0002	.0001	.0000
%RSD	23.74	48.78	1890.	143.2	57.47	5.559	26.06	6.316	17.46
#1	.0006	-.0001	.0013	.0000	-.0048	.0007	.0007	.0015	.0003
#2	.0004	-.0002	-.0011	.0016	-.0020	.0007	.0011	.0017	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0001**	**.0012**	**.0004**	**.0056**	**.0001**	**-.0011**
Stddev	.0000	.0001	.0001	.0000	.0006	.0001	.0018
%RSD	18.35	50.32	10.79	2.616	10.47	117.1	165.2
#1	.0000	.0001	.0013	.0004	.0061	.0000	.0002
#2	.0000	.0002	.0011	.0005	.0052	.0002	-.0023

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4721.4**	**111300.**	**9300.2**
Stddev	2.0	4315.	41.3
%RSD	.04132	3.8771	.44413
#1	4720.0	108240.	9271.0
#2	4722.8	114350.	9329.4

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/16/2013 15:09:54 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0050**	**.2159**	**.0043**	**-.0018**	**.0998**	**.0501**	**.0041**	**4.953**	**.0041**
Stddev	.0002	.0086	.0002	.0009	.0001	.0000	.0001	.022	.0000
%RSD	3.061	3.970	4.009	48.59	.1227	.0579	2.301	.4486	.3775
#1	.0051	.2099	.0042	-.0012	.0999	.0500	.0040	4.937	.0041
#2	.0049	.2220	.0044	-.0024	.0997	.0501	.0041	4.968	.0041

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0515**	**.0105**	**.0238**	**.1074**	**4.910**	**5.034**	**.0154**	**.1006**	**5.043**
Stddev	.0001	.0000	.0004	.0039	.047	.024	.0000	.0004	.015
%RSD	.2427	.2141	1.490	3.643	.9598	.4841	.0779	.3827	.3012
#1	.0515	.0104	.0240	.1046	4.877	5.017	.0154	.1003	5.032
#2	.0514	.0105	.0235	.1102	4.943	5.052	.0154	.1008	5.053

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0403**	**.0048**	**-.0011**	**-.0015**	**-.0015**	**.0071**	**.0094**	**.0194**	**.0966**
Stddev	.0001	.0004	.0003	.0038	.0028	.0001	.0011	.0000	.0001
%RSD	.2105	8.379	22.98	262.3	183.4	1.902	12.09	.1729	.0664
#1	.0404	.0045	-.0010	.0012	-.0036	.0072	.0086	.0194	.0965
#2	.0403	.0051	-.0013	-.0041	-.0015	.0070	.0102	.0193	.0966

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0099**	**.0491**	**.0055**	**.0103**	**.0019**	**.0207**	**-.0017**
Stddev	.0001	.0002	.0002	.0002	.0013	.0000	.0008
%RSD	1.027	.4057	3.582	1.621	71.05	.0691	50.69
#1	.0099	.0493	.0056	.0105	.0028	.0206	-.0011
#2	.0100	.0490	.0054	.0102	.0009	.0207	-.0022

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4741.8**	**112480.**	**9321.1**
Stddev	5.0	1134.	55.4
%RSD	.10593	1.0082	.59406
#1	4745.4	111680.	9360.3
#2	4738.3	113290.	9281.9

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/16/2013 15:14:44 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0001**	**523.3**	**.0006**	**.0022**	**.0009**	**.0000**	**.0001**	**454.4**	**.0001**
Stddev	.0002	13.5	.0010	.0013	.0007	.000	.0000	2.1	.0001
%RSD	116.0	2.571	152.8	60.44	78.21	36.46	41.35	.4668	76.78
#1	.0002	532.8	.0013	.0031	.0004	.0000	.0001	455.9	.0001
#2	.0000	513.8	-.0001	.0013	.0014	.0000	.0001	452.9	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0015**	**.0001**	**-.0044**	**191.1**	**.1596**	**505.2**	**.0003**	**-.0021**	**.0393**
Stddev	.0003	.0007	.0001	3.0	.0336	7.4	.0002	.0001	.0159
%RSD	21.62	722.3	1.709	1.560	21.02	1.461	70.55	5.018	40.51
#1	-.0017	-.0004	-.0043	193.2	.1359	510.5	.0001	-.0022	.0280
#2	-.0013	.0006	-.0044	189.0	.1834	500.0	.0004	-.0020	.0506

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0047**	**-.0012**	**-.0003**	**-.0037**	**.1016**	**-.0008**	**.0028**	**.0430**	**-.0019**
Stddev	.0001	.0015	.0014	.0006	.0035	.0003	.0025	.0013	.0002
%RSD	1.336	132.7	547.7	15.40	3.427	38.89	91.29	2.905	9.159
#1	-.0047	-.0001	.0008	-.0033	.1040	-.0006	.0046	.0422	-.0018
#2	-.0046	-.0023	-.0013	-.0041	.0991	-.0011	.0010	.0439	-.0021

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0077**	**.0056**	**-.0006**	**.0003**	**-.0166**	**-.0005**	**-.0002**
Stddev	.0000	.0002	.0016	.0007	.0028	.0001	.0002
%RSD	.2425	2.733	278.9	197.6	16.62	14.53	119.2
#1	-.0077	.0055	.0005	-.0001	-.0185	-.0005	-.0003
#2	-.0077	.0057	-.0017	.0008	-.0146	-.0004	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4367.7**	**104810.**	**9045.3**
Stddev	22.9	64.	140.3
%RSD	.52433	.06107	1.5506
#1	4383.9	104770.	8946.1
#2	4351.5	104860.	9144.5

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/16/2013 15:19:44 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**1.016**	**511.0**	**2.036**	**.4595**	**.9338**	**.5000**	**.4607**	**446.4**	**.9753**
Stddev	.006	4.1	.001	.0017	.0006	.0002	.0019	7.7	.0003
%RSD	.5675	.8017	.0634	.3723	.0692	.0335	.4086	1.733	.0295
#1	1.021	508.1	2.037	.4607	.9342	.5001	.4594	440.9	.9751
#2	1.012	513.9	2.035	.4583	.9333	.4999	.4620	451.9	.9755

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4487**	**.4540**	**.4700**	**187.6**	**.0780**	**496.5**	**.4658**	**.8966**	**.0311**
Stddev	.0006	.0028	.0043	1.0	.0187	2.7	.0037	.0003	.0004
%RSD	.1426	.6184	.9078	.5394	23.94	.5485	.8034	.0360	1.289
#1	.4492	.4560	.4730	186.9	.0648	494.6	.4685	.8963	.0308
#2	.4482	.4520	.4669	188.3	.0912	498.4	.4632	.8968	.0314

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.8219**	**.8356**	**.4741**	**.4591**	**.5538**	**1.973**	**1.933**	**1.985**	**.8827**
Stddev	.0017	.0028	.0021	.0030	.0057	.002	.001	.001	.0005
%RSD	.2057	.3399	.4515	.6522	1.024	.0931	.0556	.0454	.0615
#1	.8231	.8376	.4756	.4612	.5497	1.972	1.932	1.986	.8823
#2	.8207	.8336	.4726	.4570	.5578	1.975	1.934	1.984	.8831

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.9697**	**.4609**	**1.723**	**.4643**	**1.762**	**.8734**	**.3777**
Stddev	.0023	.0029	.000	.0040	.001	.0020	.0018
%RSD	.2401	.6300	.0103	.8709	.0475	.2274	.4666
#1	.9680	.4630	1.723	.4672	1.762	.8748	.3789
#2	.9713	.4589	1.723	.4615	1.763	.8720	.3764

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4396.1**	**104880.**	**9206.3**
Stddev	8.3	586.	59.4
%RSD	.18983	.55840	.64495
#1	4390.2	104460.	9248.3
#2	4402.0	105290.	9164.4

Zoom In Zoom Out

Sample Name: MP22261-B1 Acquired: 12/16/2013 15:24:36 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2009**	**2.006**	**.5225**	**-.0001**	**.0024**	**1.884**	**.4876**	**23.99**	**.4973**
Stddev	.0003	.015	.0001	.0001	.0003	.003	.0011	.13	.0005
%RSD	.1517	.7570	.0124	250.7	12.10	.1416	.2250	.5553	.1061
#1	.2007	2.016	.5225	-.0002	.0026	1.886	.4884	24.08	.4969
#2	.2011	1.995	.5226	.0000	.0022	1.882	.4868	23.89	.4977

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4983**	**.4933**	**.4702**	**1.951**	**24.45**	**24.62**	**.4888**	**.0022**	**24.74**
Stddev	.0008	.0001	.0002	.015	.07	.18	.0007	.0006	.07
%RSD	.1548	.0211	.0357	.7793	.2680	.7407	.1530	27.73	.2873
#1	.4978	.4932	.4704	1.961	24.50	24.74	.4894	.0026	24.79
#2	.4989	.4933	.4701	1.940	24.41	24.49	.4883	.0018	24.69

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.4725**	**.9180**	**-.0004**	**-.0014**	**.0041**	**.5003**	**.5014**	**.0144**	**-.0006**
Stddev	.0007	.0007	.0007	.0001	.0024	.0011	.0002	.0003	.0000
%RSD	.1534	.0709	182.8	8.119	57.33	.2112	.0388	2.388	1.154
#1	.4720	.9175	.0001	-.0014	.0058	.4996	.5013	.0142	-.0006
#2	.4730	.9184	-.0009	-.0013	.0024	.5011	.5016	.0147	-.0006

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4852**	**.4713**	**.4939**	**.4979**	**.0122**	**.4995**	**.0498**
Stddev	.0018	.0003	.0019	.0011	.0010	.0008	.0052
%RSD	.3734	.0616	.3934	.2192	8.530	.1649	10.44
#1	.4865	.4711	.4925	.4971	.0130	.4989	.0535
#2	.4839	.4715	.4952	.4987	.0115	.5000	.0462

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4686.9**	**112320.**	**9518.7**
Stddev	10.0	106.	87.5
%RSD	.21378	.09414	.91941
#1	4693.9	112400.	9456.8
#2	4679.8	112250.	9580.6

Zoom In Zoom Out

Sample Name: MP22261-MB1 Acquired: 12/16/2013 15:29:20 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**-.0011**	**.0004**	**-.0016**	**.0008**	**.0001**	**.0000**	**.0056**	**.0001**
Stddev	.0001	.0047	.0002	.0000	.0003	.0000	.000	.0005	.0000
%RSD	159.4	429.4	58.24	1.238	38.35	34.43	180.7	8.789	12.62
#1	.0000	.0022	.0002	-.0017	.0010	.0001	.0000	.0060	.0001
#2	.0001	-.0044	.0006	-.0016	.0006	.0001	.0000	.0053	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**.0001**	**.0003**	**.0033**	**.0277**	**-.0082**	**.0001**	**.0007**	**.0276**
Stddev	.0000	.0000	.0001	.0008	.0209	.0050	.0000	.0002	.0110
%RSD	18.17	11.01	23.21	25.00	75.36	60.75	6.707	27.06	40.04
#1	-.0002	.0001	.0002	.0027	.0129	-.0117	.0001	.0009	.0198
#2	-.0003	.0001	.0003	.0039	.0424	-.0047	.0001	.0006	.0354

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**-.0001**	**.0002**	**.0020**	**.0026**	**.0011**	**.0023**	**.0164**	**-.0001**
Stddev	.0000	.0003	.0004	.0010	.0024	.0005	.0006	.0001	.0001
%RSD	23.80	325.3	194.4	51.81	91.85	43.51	27.11	.6446	125.9
#1	.0001	-.0003	-.0001	.0012	.0009	.0014	.0019	.0165	.0000
#2	.0001	.0001	.0005	.0027	.0043	.0007	.0028	.0163	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0001**	**.0002**	**.0002**	**.0075**	**.0041**	**-.0025**
Stddev	.0000	.0002	.0000	.0003	.0001	.0001	.0010
%RSD	41.07	339.3	14.16	127.2	1.405	1.895	38.26
#1	.0001	-.0001	.0002	.0000	.0076	.0040	-.0018
#2	.0001	.0002	.0003	.0004	.0075	.0041	-.0032

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4737.0**	**113680.**	**9583.0**
Stddev	13.0	899.	46.4
%RSD	.27547	.79087	.48469
#1	4746.2	113050.	9550.2
#2	4727.8	114320.	9615.9

Zoom In Zoom Out

Sample Name: MP22261-S1 Acquired: 12/16/2013 15:34:14 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2063**	**2.107**	**.5363**	**-.0004**	**.0248**	**2.054**	**.4985**	**46.42**	**.5077**
Stddev	.0008	.003	.0006	.0010	.0000	.002	.0005	.06	.0006
%RSD	.3840	.1603	.1059	280.5	.1832	.1050	.0940	.1341	.1213
#1	.2057	2.105	.5359	-.0011	.0248	2.052	.4982	46.37	.5073
#2	.2068	2.110	.5367	.0003	.0249	2.056	.4988	46.46	.5082

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5077**	**.5067**	**.4880**	**2.236**	**30.34**	**29.39**	**1.762**	**.0014**	**162.8**
Stddev	.0015	.0013	.0012	.002	.07	.08	.005	.0001	.2
%RSD	.2962	.2571	.2554	.0982	.2359	.2592	.2864	6.669	.1355
#1	.5066	.5076	.4889	2.238	30.29	29.44	1.765	.0015	162.7
#2	.5087	.5058	.4871	2.235	30.39	29.34	1.758	.0013	163.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.4774**	**.9352**	**-.0018**	**-.0059**	**5.761**	**.5150**	**.5119**	**5.759**	**-.0006**
Stddev	.0018	.0033	.0016	.0010	.011	.0004	.0019	.018	.0000
%RSD	.3790	.3505	88.96	17.04	.1933	.0855	.3687	.3209	3.937
#1	.4761	.9329	-.0007	-.0052	5.753	.5153	.5105	5.746	-.0006
#2	.4786	.9375	-.0029	-.0066	5.769	.5147	.5132	5.772	-.0006

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.6444**	**.4829**	**.4950**	**.5115**	**.0038**	**1.208**	**-.0246**
Stddev	.0002	.0026	.0008	.0020	.0008	.004	.0006
%RSD	.0288	.5371	.1540	.3831	20.12	.3483	2.520
#1	.6443	.4848	.4945	.5129	.0033	1.205	-.0242
#2	.6445	.4811	.4955	.5101	.0044	1.211	-.0250

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4600.3**	**109420.**	**9431.6**
Stddev	9.4	442.	24.1
%RSD	.20432	.40360	.25523
#1	4606.9	109110.	9448.7
#2	4593.7	109740.	9414.6

Zoom In Zoom Out

Sample Name: MP22261-S2 Acquired: 12/16/2013 15:38:59 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2058**	**2.077**	**.5264**	**-.0003**	**.0249**	**2.041**	**.4901**	**46.27**	**.4976**
Stddev	.0001	.001	.0018	.0015	.0002	.009	.0027	.25	.0005
%RSD	.0455	.0509	.3514	461.8	.6351	.4227	.5589	.5359	.1001
#1	.2057	2.077	.5250	.0008	.0248	2.035	.4882	46.09	.4972
#2	.2058	2.078	.5277	-.0014	.0250	2.047	.4921	46.44	.4979

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4980**	**.4986**	**.4793**	**2.219**	**30.20**	**29.51**	**1.746**	**.0012**	**160.7**
Stddev	.0011	.0042	.0040	.000	.00	.25	.009	.0000	.6
%RSD	.2264	.8338	.8388	.0181	.0083	.8623	.5349	1.598	.3858
#1	.4972	.5016	.4822	2.219	30.20	29.33	1.753	.0012	160.2
#2	.4988	.4957	.4765	2.219	30.20	29.69	1.739	.0012	161.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.4677**	**.9304**	**-.0015**	**-.0085**	**5.710**	**.5064**	**.5008**	**5.743**	**-.0008**
Stddev	.0000	.0058	.0009	.0012	.006	.0006	.0030	.026	.0000
%RSD	.0001	.6248	61.23	14.46	.1046	.1265	.6003	.4547	5.870
#1	.4677	.9263	-.0008	-.0093	5.706	.5059	.4987	5.724	-.0008
#2	.4677	.9345	-.0021	-.0076	5.714	.5068	.5029	5.761	-.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.6311**	**.4746**	**.4867**	**.5008**	**.0017**	**1.194**	**-.0298**
Stddev	.0014	.0038	.0026	.0035	.0019	.003	.0004
%RSD	.2271	.8076	.5339	.6958	107.8	.2419	1.508
#1	.6301	.4773	.4848	.5033	.0031	1.192	-.0295
#2	.6321	.4719	.4885	.4984	.0004	1.196	-.0301

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4606.4**	**109650.**	**9380.7**
Stddev	17.7	250.	93.2
%RSD	.38525	.22804	.99372
#1	4619.0	109480.	9446.6
#2	4593.9	109830.	9314.8

Zoom In Zoom Out

Sample Name: MC27087-3F Acquired: 12/16/2013 15:43:44 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0008**	**.0185**	**-.0006**	**-.0003**	**.0238**	**.1015**	**.0000**	**22.23**	**.0004**
Stddev	.0002	.0079	.0005	.0002	.0000	.0002	.000	.07	.0000
%RSD	32.16	42.71	87.70	49.36	.0465	.2083	42.56	.3096	5.349
#1	.0009	.0241	-.0002	-.0002	.0238	.1017	-.0001	22.28	.0004
#2	.0006	.0129	-.0010	-.0004	.0237	.1014	.0000	22.19	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0021**	**.0013**	**.0073**	**.2458**	**5.659**	**4.301**	**1.267**	**.0012**	**138.5**
Stddev	.0000	.0002	.0002	.0009	.029	.038	.004	.0001	.4
%RSD	.2357	15.12	2.847	.3474	.5155	.8931	.3036	7.492	.2591
#1	.0021	.0015	.0071	.2464	5.679	4.328	1.269	.0012	138.7
#2	.0021	.0012	.0074	.2452	5.638	4.274	1.264	.0011	138.2

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0015**	**-.0004**	**-.0016**	**-.0003**	**5.738**	**.0010**	**-.0002**	**5.683**	**-.0001**
Stddev	.0000	.0004	.0006	.0022	.006	.0002	.0004	.002	.0002
%RSD	3.324	112.1	39.03	653.1	.1129	22.82	192.3	.0381	128.0
#1	.0014	-.0007	-.0021	.0012	5.734	.0009	.0001	5.684	.0000
#2	.0015	-.0001	-.0012	-.0019	5.743	.0012	-.0005	5.681	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1521**	**.0004**	**.0006**	**.0012**	**.0062**	**.7123**	**-.0326**
Stddev	.0006	.0001	.0004	.0004	.0022	.0013	.0002
%RSD	.4154	17.79	57.83	37.63	34.93	.1776	.5493
#1	.1517	.0004	.0004	.0009	.0078	.7114	-.0325
#2	.1526	.0005	.0009	.0015	.0047	.7132	-.0328

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4653.7**	**110740.**	**9477.5**
Stddev	5.1	443.	63.6
%RSD	.11028	.39966	.67079
#1	4650.1	110420.	9432.6
#2	4657.4	111050.	9522.5

Zoom In Zoom Out

Sample Name: MP22261-SD1 Acquired: 12/16/2013 15:48:35 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0007**	**.0757**	**-.0006**	**-.0051**	**.0257**	**.0995**	**-.0003**	**22.31**	**.0005**
Stddev	.0000	.0121	.0012	.0062	.0013	.0005	.0000	.02	.0000
%RSD	4.372	15.97	185.2	121.2	5.079	.5204	10.72	.0929	4.728
#1	-.0006	.0672	.0002	-.0007	.0266	.0991	-.0003	22.33	.0005
#2	-.0007	.0843	-.0015	-.0095	.0247	.0999	-.0002	22.30	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0019**	**.0020**	**.0069**	**.2528**	**5.979**	**4.116**	**1.253**	**.0022**	**147.3**
Stddev	.0003	.0006	.0028	.0108	.136	.219	.002	.0003	.2
%RSD	13.55	31.96	41.22	4.278	2.268	5.313	.1754	15.12	.1430
#1	.0021	.0024	.0089	.2605	6.075	4.270	1.251	.0025	147.4
#2	.0017	.0015	.0049	.2452	5.883	3.961	1.255	.0020	147.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0010**	**.0002**	**-.0002**	**.0129**	**5.696**	**-.0005**	**.0033**	**5.688**	**-.0014**
Stddev	.0005	.0007	.0008	.0051	.003	.0015	.0008	.026	.0007
%RSD	49.16	289.4	503.9	40.02	.0463	281.0	23.53	.4637	50.39
#1	.0014	-.0002	-.0007	.0165	5.694	.0005	.0027	5.670	-.0009
#2	.0007	.0007	.0004	.0092	5.697	-.0016	.0038	5.707	-.0019

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1515**	**.0002**	**.0022**	**.0019**	**.0158**	**.7173**	**-.0415**
Stddev	.0003	.0009	.0003	.0005	.0023	.0009	.0022
%RSD	.1663	521.0	12.39	28.05	14.77	.1213	5.358
#1	.1513	.0008	.0020	.0015	.0175	.7167	-.0431
#2	.1517	-.0005	.0024	.0022	.0142	.7179	-.0399

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4743.0**	**113210.**	**9556.1**
Stddev	15.4	700.	1.4
%RSD	.32494	.61854	.01491
#1	4753.9	113710.	9555.0
#2	4732.1	112710.	9557.1

Zoom In Zoom Out

Sample Name: MP22261-B2 Acquired: 12/16/2013 15:53:27 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2037**	**2.049**	**.5306**	**-.0006**	**.0017**	**1.909**	**.4960**	**24.18**	**.5035**
Stddev	.0007	.003	.0014	.0007	.0001	.002	.0015	.01	.0009
%RSD	.3415	.1591	.2668	104.5	3.727	.0767	.3013	.0325	.1732
#1	.2032	2.047	.5296	-.0011	.0018	1.910	.4971	24.17	.5029
#2	.2042	2.051	.5316	-.0002	.0017	1.908	.4949	24.18	.5041

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5061**	**.5055**	**.4778**	**1.943**	**24.76**	**24.94**	**.4987**	**.0001**	**24.75**
Stddev	.0018	.0025	.0024	.003	.11	.04	.0011	.0001	.08
%RSD	.3616	.5027	.5060	.1358	.4600	.1640	.2186	109.8	.3201
#1	.5048	.5073	.4761	1.941	24.84	24.97	.4995	.0000	24.81
#2	.5074	.5037	.4795	1.945	24.68	24.91	.4979	.0002	24.69

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.4771**	**.9360**	**-.0008**	**.0015**	**-.0001**	**.5114**	**.5110**	**.0158**	**-.0009**
Stddev	.0005	.0047	.0007	.0048	.0023	.0017	.0009	.0003	.0000
%RSD	.1051	.5053	86.72	309.0	2254.	.3365	.1799	2.187	4.518
#1	.4768	.9327	-.0012	-.0018	.0015	.5102	.5103	.0160	-.0009
#2	.4775	.9393	-.0003	.0049	-.0017	.5127	.5116	.0155	-.0009

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4865**	**.4808**	**.5042**	**.5070**	**.0022**	**.5067**	**-.0001**
Stddev	.0010	.0013	.0022	.0013	.0014	.0015	.0007
%RSD	.1986	.2613	.4266	.2507	65.63	.2968	452.5
#1	.4858	.4817	.5027	.5079	.0031	.5057	.0003
#2	.4872	.4799	.5058	.5061	.0012	.5078	-.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4693.2**	**111780.**	**9474.9**
Stddev	15.1	370.	25.2
%RSD	.32120	.33075	.26599
#1	4703.8	111520.	9457.0
#2	4682.5	112040.	9492.7

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/16/2013 15:58:13 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2416**	**9.851**	**1.937**	**-.0008**	**1.932**	**1.950**	**1.955**	**9.854**	**1.935**
Stddev	.0083	.063	.009	.0001	.008	.006	.008	.071	.006
%RSD	3.443	.6366	.4790	9.733	.4016	.3193	.4109	.7241	.3367
#1	.2475	9.807	1.930	-.0008	1.927	1.946	1.950	9.803	1.931
#2	.2357	9.896	1.943	-.0009	1.938	1.955	1.961	9.904	1.940

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.011**	**1.895**	**1.894**	**9.969**	**9.904**	**9.903**	**1.945**	**1.929**	**9.940**
Stddev	.007	.072	.072	.007	.065	.129	.071	.012	.036
%RSD	.3569	3.819	3.784	.0741	.6532	1.306	3.671	.5943	.3675
#1	2.006	1.946	1.945	9.963	9.859	9.811	1.995	1.921	9.914
#2	2.016	1.844	1.843	9.974	9.950	9.994	1.894	1.937	9.965

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.910**	**1.905**	**.0019**	**-.0068**	**-.0013**	**1.943**	**1.939**	**.0099**	**1.903**
Stddev	.007	.007	.0009	.0017	.0005	.005	.006	.0036	.005
%RSD	.3480	.3547	46.69	25.36	40.39	.2374	.3174	36.71	.2542
#1	1.905	1.900	.0026	-.0056	-.0009	1.939	1.935	.0073	1.900
#2	1.915	1.910	.0013	-.0080	-.0016	1.946	1.944	.0124	1.907

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.974**	**1.882**	**1.932**	**1.874**	**-.0040**	**1.919**	**.0010**
Stddev	.003	.069	.005	.067	.0009	.005	.0032
%RSD	.1698	3.656	.2697	3.551	22.89	.2422	326.7
#1	1.972	1.931	1.928	1.921	-.0047	1.916	.0032
#2	1.977	1.834	1.935	1.827	-.0034	1.922	-.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4784.2**	**114420.**	**9429.4**
Stddev	14.7	3437.	22.2
%RSD	.30630	3.0037	.23498
#1	4794.6	111990.	9445.0
#2	4773.8	116850.	9413.7

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/16/2013 16:02:56 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**-.0135**	**.0003**	**-.0015**	**.0016**	**.0002**	**.0001**	**-.0042**	**.0002**
Stddev	.0002	.0092	.0005	.0016	.0001	.0001	.0000	.0062	.0001
%RSD	831.8	67.96	165.6	109.0	7.003	30.42	53.44	147.0	72.31
#1	.0001	-.0070	.0006	-.0027	.0017	.0003	.0001	.0002	.0001
#2	-.0001	-.0200	-.0001	-.0003	.0016	.0002	.0001	-.0086	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0001**	**.0000**	**-.0004**	**.0949**	**.0078**	**.0000**	**.0033**	**.0821**
Stddev	.0000	.0000	.000	.0047	.0594	.0208	.0000	.0007	.0064
%RSD	70.52	6.338	1132.	1266.	62.58	266.0	825.3	20.12	7.767
#1	.0000	.0001	.0001	.0029	.1368	-.0069	.0000	.0038	.0867
#2	.0001	.0001	-.0002	-.0037	.0529	.0225	.0000	.0028	.0776

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0004**	**.0000**	**-.0010**	**.0017**	**-.0006**	**-.0001**	**.0005**	**.0023**	**.0004**
Stddev	.0000	.0003	.0008	.0033	.0018	.0002	.0000	.0006	.0003
%RSD	1.047	1847.	84.24	194.4	321.4	127.7	9.724	27.95	88.20
#1	.0004	.0002	-.0015	-.0006	.0007	.0000	.0004	.0027	.0001
#2	.0004	-.0002	-.0004	.0040	-.0019	-.0002	.0005	.0018	.0006

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0001**	**.0013**	**.0005**	**-.0019**	**.0001**	**-.0021**
Stddev	.0000	.0003	.0005	.0000	.0009	.0002	.0003
%RSD	39.06	224.7	39.81	7.774	46.41	227.3	15.46
#1	.0001	-.0001	.0017	.0005	-.0012	.0000	-.0018
#2	.0000	.0003	.0009	.0005	-.0025	.0002	-.0023

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4756.8**	**112920.**	**9383.6**
Stddev	8.7	116.	18.4
%RSD	.18326	.10249	.19588
#1	4750.6	113000.	9396.6
#2	4762.9	112840.	9370.6

Zoom In Zoom Out

Sample Name: MC27081-1 Acquired: 12/16/2013 16:07:51 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0010**	**20.63**	**.0323**	**.0008**	**.0636**	**.2513**	**.0006**	**86.49**	**.0006**
Stddev	.0001	.01	.0005	.0002	.0002	.0005	.0000	.20	.0001
%RSD	10.30	.0536	1.627	21.31	.3341	.2067	5.476	.2342	21.52
#1	.0010	20.63	.0319	.0009	.0634	.2510	.0006	86.35	.0007
#2	.0011	20.62	.0326	.0007	.0637	.2517	.0006	86.63	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0098**	**.0205**	**.0324**	**10.87**	**9.566**	**20.16**	**3.288**	**.0155**	**186.9**
Stddev	.0000	.0005	.0002	.05	.002	.27	.026	.0000	.6
%RSD	.1167	2.237	.4675	.4611	.0203	1.357	.7822	.2899	.3197
#1	.0098	.0202	.0325	10.84	9.565	19.96	3.270	.0154	187.4
#2	.0098	.0208	.0323	10.91	9.568	20.35	3.306	.0155	186.5

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0209**	**.0051**	**-.0047**	**-.0117**	**F 23.55**	**.0027**	**.0022**	**39.86**	**-.0007**
Stddev	.0000	.0007	.0002	.0031	.02	.0003	.0008	.03	.0001
%RSD	.1180	14.75	4.465	26.24	.0989	11.62	34.73	.0695	21.63
#1	.0210	.0056	-.0048	-.0139	23.57	.0025	.0027	39.84	-.0008
#2	.0209	.0045	-.0045	-.0095	23.53	.0030	.0016	39.88	-.0006

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2810**	**.8526**	**.0004**	**.0315**	**.0005**	**.0714**	**-.2023**
Stddev	.0003	.0156	.0002	.0002	.0014	.0003	.0013
%RSD	.1047	1.830	57.98	.5067	310.9	.3899	.6183
#1	.2808	.8636	.0005	.0314	.0015	.0716	-.2014
#2	.2812	.8416	.0002	.0316	-.0006	.0712	-.2032

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4726.3**	**113220.**	**9814.1**
Stddev	9.8	691.	13.8
%RSD	.20702	.61058	.14061
#1	4719.3	113710.	9823.9
#2	4733.2	112730.	9804.4

Zoom In Zoom Out

Sample Name: MC27086-3 Acquired: 12/16/2013 16:12:45 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.0180**	**.0001**	**-.0011**	**.0006**	**-.0001**	**.0000**	**.0071**	**.0001**
Stddev	.0002	.0093	.0004	.0002	.0001	.0001	.000	.0010	.0000
%RSD	299.7	51.74	288.1	15.96	15.94	68.62	121.1	14.11	11.65
#1	.0001	.0114	.0005	-.0010	.0007	-.0002	.0000	.0078	.0001
#2	-.0002	.0246	-.0002	-.0013	.0006	-.0001	-.0001	.0064	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0002**	**.0007**	**.0018**	**.0847**	**.0138**	**.0001**	**.0006**	**.2112**
Stddev	.0001	.0000	.0001	.0022	.0017	.0040	.0001	.0001	.0107
%RSD	65.65	12.44	8.755	117.9	1.954	28.86	74.88	9.956	5.052
#1	-.0002	.0002	.0007	.0003	.0835	.0166	.0001	.0006	.2187
#2	-.0001	.0002	.0008	.0034	.0858	.0110	.0000	.0005	.2036

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0002**	**.0001**	**.0014**	**.0023**	**.0039**	**.0000**	**.0010**	**.0467**	**-.0001**
Stddev	.0000	.0003	.0001	.0001	.0007	.0005	.0004	.0053	.0000
%RSD	20.04	226.0	9.290	4.625	17.68	9662.	42.71	11.29	58.39
#1	.0002	-.0001	.0015	.0024	.0034	.0003	.0014	.0505	.0000
#2	.0002	.0003	.0013	.0022	.0044	-.0003	.0007	.0430	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0001**	**-.0006**	**.0001**	**.0056**	**.0058**	**-.0033**
Stddev	.000	.0000	.0000	.0000	.0030	.0001	.0002
%RSD	378.3	23.15	6.797	23.84	53.16	1.071	6.123
#1	.0000	.0001	-.0005	.0001	.0035	.0058	-.0031
#2	.0000	.0002	-.0006	.0002	.0077	.0058	-.0034

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4728.6**	**114340.**	**9650.8**
Stddev	3.1	766.	32.1
%RSD	.06604	.67000	.33221
#1	4726.4	113800.	9628.1
#2	4730.8	114880.	9673.5

Zoom In Zoom Out

Sample Name: MC27087-3 Acquired: 12/16/2013 16:17:40 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**.1213**	**.0001**	**.0000**	**.0233**	**.1106**	**-.0001**	**21.62**	**.0005**
Stddev	.0001	.0051	.0001	.0001	.0003	.0013	.0000	.07	.0001
%RSD	43.87	4.206	77.71	351.2	1.438	1.205	64.81	.3447	15.60
#1	.0003	.1177	.0001	.0000	.0236	.1096	-.0001	21.56	.0005
#2	.0002	.1249	.0000	.0001	.0231	.1115	.0000	21.67	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0016**	**.0017**	**.0077**	**.6577**	**5.293**	**4.340**	**1.325**	**.0011**	**144.4**
Stddev	.0000	.0001	.0001	.0023	.018	.026	.029	.0000	.1
%RSD	2.830	5.272	1.236	.3509	.3491	.6021	2.166	3.714	.0422
#1	.0016	.0016	.0078	.6561	5.306	4.321	1.305	.0011	144.4
#2	.0017	.0017	.0076	.6594	5.280	4.358	1.345	.0011	144.5

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0010**	**.0002**	**-.0015**	**-.0010**	**5.592**	**.0003**	**.0012**	**5.990**	**-.0003**
Stddev	.0001	.0003	.0009	.0045	.035	.0007	.0002	.038	.0000
%RSD	8.356	152.0	58.78	431.8	.6255	262.0	13.60	.6360	1.557
#1	.0010	.0000	-.0022	.0021	5.617	-.0002	.0013	6.017	-.0003
#2	.0011	.0003	-.0009	-.0042	5.568	.0008	.0011	5.963	-.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1537**	**.0028**	**-.0005**	**.0003**	**.0017**	**.5263**	**-.0366**
Stddev	.0004	.0001	.0004	.0000	.0001	.0000	.0010
%RSD	.2342	2.431	86.27	6.471	6.946	.0054	2.730
#1	.1534	.0029	-.0002	.0003	.0016	.5264	-.0373
#2	.1539	.0028	-.0008	.0003	.0018	.5263	-.0359

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4661.5**	**113920.**	**9813.1**
Stddev	21.7	1638.	64.5
%RSD	.46482	1.4377	.65726
#1	4646.2	115080.	9858.7
#2	4676.8	112770.	9767.5

Zoom In Zoom Out

Sample Name: MC27087-9 Acquired: 12/16/2013 16:22:31 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0001**	**.0302**	**.0006**	**-.0001**	**.0209**	**.0696**	**.0000**	**13.27**	**-.0001**
Stddev	.0003	.0166	.0013	.0002	.0001	.0003	.0001	.02	.0000
%RSD	269.8	55.00	200.2	187.8	.6665	.4996	172.0	.1638	33.00
#1	-.0001	.0419	.0015	.0000	.0208	.0699	.0000	13.28	-.0001
#2	.0003	.0184	-.0003	-.0002	.0210	.0694	.0001	13.25	-.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0006**	**.0005**	**-.0008**	**38.19**	**3.436**	**3.041**	**.8972**	**.0002**	**37.39**
Stddev	.0001	.0002	.0000	.17	.051	.078	.0039	.0000	.06
%RSD	14.18	31.03	2.654	.4539	1.478	2.574	.4333	1.954	.1573
#1	.0005	.0004	-.0008	38.31	3.472	3.096	.8999	.0002	37.43
#2	.0007	.0006	-.0008	38.07	3.400	2.986	.8944	.0002	37.35

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0001**	**-.0003**	**.0032**	**-.0032**	**.7344**	**.0003**	**.0013**	**7.142**	**-.0001**
Stddev	.0000	.0000	.0022	.0003	.0001	.0004	.0005	.000	.0001
%RSD	44.74	2.476	67.88	9.989	.0091	168.1	39.12	.0046	69.63
#1	-.0001	-.0003	.0017	-.0034	.7343	.0000	.0010	7.142	-.0001
#2	-.0001	-.0003	.0048	-.0030	.7344	.0006	.0017	7.142	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1041**	**.0002**	**-.0003**	**.0012**	**.0067**	**.0118**	**-.0426**
Stddev	.0001	.0002	.0001	.0002	.0004	.0000	.0003
%RSD	.0887	88.01	42.32	15.01	5.765	.0358	.8149
#1	.1040	.0003	-.0002	.0010	.0070	.0118	-.0424
#2	.1042	.0001	-.0004	.0013	.0064	.0118	-.0429

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4724.7**	**113420.**	**9636.4**
Stddev	5.3	714.	90.4
%RSD	.11213	.62976	.93844
#1	4720.9	112910.	9572.5
#2	4728.4	113920.	9700.4

Zoom In Zoom Out

Sample Name: MC27087-9F Acquired: 12/16/2013 16:27:22 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.0210**	**.0007**	**.0001**	**.0204**	**.0721**	**.0000**	**13.76**	**-.0002**
Stddev	.0003	.0116	.0005	.0002	.0002	.0003	.0001	.01	.0001
%RSD	79.89	55.10	62.92	169.0	1.132	.4518	682.0	.0916	23.15
#1	.0002	.0292	.0004	.0003	.0206	.0723	-.0001	13.77	-.0003
#2	.0007	.0128	.0011	.0000	.0202	.0718	.0001	13.75	-.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0007**	**.0008**	**-.0004**	**39.53**	**3.502**	**3.233**	**.9078**	**.0000**	**39.18**
Stddev	.0000	.0005	.0001	.16	.001	.030	.0019	.0000	.00
%RSD	6.072	59.95	33.06	.4115	.0296	.9159	.2101	317.9	.0003
#1	.0008	.0011	-.0003	39.41	3.503	3.254	.9092	.0000	39.18
#2	.0007	.0004	-.0004	39.64	3.501	3.212	.9065	.0000	39.18

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0002**	**-.0004**	**.0037**	**-.0022**	**.6301**	**.0000**	**.0021**	**7.086**	**.0001**
Stddev	.0001	.0000	.0003	.0012	.0039	.000	.0001	.014	.0000
%RSD	37.82	9.550	6.872	55.17	.6255	3006.	5.399	.1932	51.73
#1	-.0002	-.0004	.0039	-.0014	.6273	.0000	.0021	7.095	.0000
#2	-.0001	-.0004	.0035	-.0031	.6329	.0000	.0022	7.076	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1074**	**.0001**	**-.0004**	**.0015**	**.0085**	**.0201**	**-.0423**
Stddev	.0003	.0001	.0001	.0000	.0010	.0001	.0003
%RSD	.2971	155.4	23.68	1.606	11.69	.3263	.6377
#1	.1071	.0002	-.0003	.0015	.0078	.0202	-.0425
#2	.1076	.0000	-.0004	.0015	.0092	.0201	-.0421

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4717.3**	**113290.**	**9568.1**
Stddev	9.6	150.	79.1
%RSD	.20309	.13268	.82718
#1	4710.5	113390.	9624.1
#2	4724.1	113180.	9512.2

Zoom In Zoom Out

Sample Name: MC27087-10 Acquired: 12/16/2013 16:32:16 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**-.0014**	**-.0008**	**-.0015**	**.0182**	**.0511**	**.0000**	**24.28**	**.0002**
Stddev	.0000	.0110	.0001	.0001	.0002	.0004	.000	.24	.0001
%RSD	20.28	798.9	13.53	9.178	1.034	.8623	459.9	.9991	70.24
#1	.0002	.0064	-.0007	-.0016	.0181	.0515	.0000	24.46	.0001
#2	.0003	-.0092	-.0009	-.0014	.0183	.0508	.0000	24.11	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**.0006**	**.0429**	**.0076**	**2.884**	**2.923**	**.0023**	**.0002**	**55.38**
Stddev	.0001	.0001	.0009	.0018	.006	.085	.0000	.0000	.57
%RSD	30.69	12.57	2.075	23.72	.2222	2.897	1.994	17.17	1.029
#1	-.0002	.0006	.0423	.0063	2.880	2.983	.0022	.0002	55.78
#2	-.0001	.0007	.0435	.0089	2.889	2.864	.0023	.0002	54.98

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**-.0006**	**-.0002**	**.0000**	**6.509**	**.0000**	**.0011**	**5.750**	**-.0003**
Stddev	.0001	.0002	.0005	.002	.012	.000	.0012	.002	.0000
%RSD	63.39	43.28	205.7	8255.	.1900	69.48	110.0	.0356	9.369
#1	.0002	-.0004	.0001	.0013	6.517	.0000	.0002	5.749	-.0003
#2	.0001	-.0007	-.0006	-.0013	6.500	-.0001	.0020	5.752	-.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1246**	**.0001**	**-.0004**	**.0002**	**-.0009**	**.0092**	**-.0340**
Stddev	.0007	.0000	.0005	.0003	.0007	.0001	.0009
%RSD	.5277	12.64	120.2	169.9	82.06	1.353	2.528
#1	.1250	.0001	-.0001	.0000	-.0004	.0093	-.0346
#2	.1241	.0001	-.0008	.0004	-.0014	.0091	-.0333

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4709.8**	**112150.**	**9676.1**
Stddev	7.6	898.	64.5
%RSD	.16179	.80070	.66633
#1	4704.5	112790.	9630.5
#2	4715.2	111520.	9721.7

Zoom In Zoom Out

Sample Name: MC27087-10F Acquired: 12/16/2013 16:37:08 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.0245**	**-.0003**	**-.0017**	**.0183**	**.0528**	**.0000**	**24.84**	**.0001**
Stddev	.0002	.0053	.0004	.0003	.0000	.0001	.000	.07	.0000
%RSD	44.83	21.63	133.6	17.26	.0592	.1007	101.2	.2718	19.51
#1	.0003	.0207	-.0005	-.0015	.0183	.0527	.0000	24.79	.0001
#2	.0005	.0282	.0000	-.0019	.0183	.0528	.0000	24.89	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0005**	**.0423**	**.0064**	**2.956**	**2.991**	**.0023**	**.0002**	**57.37**
Stddev	.000	.0000	.0002	.0027	.008	.032	.0001	.0000	.21
%RSD	175.8	.5712	.5207	41.89	.2836	1.067	2.990	11.20	.3729
#1	-.0001	.0005	.0425	.0045	2.962	2.968	.0023	.0002	57.22
#2	.0000	.0005	.0422	.0083	2.950	3.013	.0024	.0002	57.52

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**-.0006**	**-.0009**	**.0008**	**6.540**	**-.0002**	**.0014**	**5.866**	**-.0004**
Stddev	.0002	.0003	.0004	.0066	.016	.0001	.0003	.010	.0004
%RSD	189.3	56.73	41.30	832.1	.2469	37.71	23.50	.1756	79.60
#1	.0000	-.0008	-.0007	.0054	6.552	-.0003	.0016	5.874	-.0002
#2	.0002	-.0003	-.0012	-.0039	6.529	-.0002	.0011	5.859	-.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1290**	**.0000**	**-.0005**	**.0004**	**.0047**	**.0087**	**-.0354**
Stddev	.0013	.0002	.0002	.0001	.0024	.0000	.0013
%RSD	1.025	1367.	45.43	31.77	50.30	.2987	3.813
#1	.1281	.0002	-.0004	.0005	.0030	.0087	-.0363
#2	.1300	-.0001	-.0007	.0003	.0064	.0087	-.0344

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4690.4**	**113170.**	**9618.9**
Stddev	.8	1395.	1.1
%RSD	.01791	1.2326	.01141
#1	4689.8	114150.	9619.7
#2	4691.0	112180.	9618.2

Zoom In Zoom Out

Sample Name: MC27087-15 Acquired: 12/16/2013 16:42:01 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**2.025**	**.0022**	**-.0004**	**.0139**	**.0348**	**.0002**	**10.50**	**.0000**
Stddev	.0005	.006	.0002	.0008	.0001	.0000	.0000	.01	.000
%RSD	4005.	.3146	8.957	183.0	.5035	.1294	10.34	.1152	128.9
#1	-.0003	2.020	.0021	-.0010	.0139	.0348	.0002	10.51	.0000
#2	.0004	2.029	.0024	.0001	.0138	.0347	.0002	10.49	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0103**	**.0010**	**.0006**	**28.00**	**2.805**	**2.574**	**1.033**	**.0001**	**113.3**
Stddev	.0001	.0002	.0001	.03	.030	.000	.002	.0001	.2
%RSD	.8312	20.39	18.79	.1040	1.089	.0143	.2241	62.64	.1877
#1	.0103	.0009	.0005	27.98	2.827	2.574	1.034	.0002	113.4
#2	.0104	.0012	.0006	28.02	2.784	2.575	1.031	.0001	113.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0033**	**.0087**	**.0017**	**-.0036**	F **61.11**	**-.0006**	**.0016**	**4.417**	**.0000**
Stddev	.0001	.0002	.0001	.0021	.00	.0006	.0001	.016	.0000
%RSD	1.996	2.603	4.965	57.59	.0005	101.7	3.877	.3568	34.97
#1	.0032	.0086	.0017	-.0051	61.11	-.0002	.0016	4.406	.0001
#2	.0033	.0089	.0018	-.0021	61.11	-.0010	.0015	4.428	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0734**	**.0019**	**.0001**	**.0090**	**.0052**	**.0106**	**-.0276**
Stddev	.0002	.0001	.0001	.0002	.0013	.0001	.0001
%RSD	.2560	3.979	160.8	2.009	25.05	.5364	.3774
#1	.0735	.0019	.0000	.0091	.0043	.0105	-.0275
#2	.0732	.0018	.0001	.0089	.0061	.0106	-.0277

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4899.0**	**116860.**	**9963.2**
Stddev	8.0	267.	51.4
%RSD	.16385	.22863	.51584
#1	4904.7	116680.	9926.9
#2	4893.3	117050.	9999.6

Zoom In Zoom Out

Sample Name: MC27087-15F Acquired: 12/16/2013 16:46:53 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**.3288**	**.0026**	**-.0005**	**.0139**	**.0329**	**.0002**	**10.60**	**.0000**
Stddev	.0001	.0061	.0000	.0015	.0001	.0003	.0000	.05	.0000
%RSD	52.05	1.866	1.271	272.1	.6346	.9294	14.62	.4797	133.8
#1	.0003	.3332	.0026	.0005	.0140	.0331	.0002	10.64	.0001
#2	.0002	.3245	.0026	-.0016	.0139	.0327	.0002	10.57	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0113**	**.0006**	**-.0006**	**27.84**	**2.686**	**2.604**	**1.073**	**.0001**	**115.1**
Stddev	.0000	.0002	.0003	.01	.022	.019	.008	.0000	.3
%RSD	.3056	26.92	53.14	.0466	.8091	.7356	.7780	63.18	.2830
#1	.0113	.0005	-.0009	27.85	2.701	2.618	1.079	.0000	115.3
#2	.0113	.0007	-.0004	27.83	2.671	2.590	1.067	.0001	114.9

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0035**	**.0080**	**.0017**	**-.0051**	F **65.34**	**-.0003**	**.0004**	**4.060**	**-.0001**
Stddev	.0001	.0004	.0003	.0020	.11	.0003	.0004	.004	.0001
%RSD	2.834	4.731	18.65	38.36	.1708	84.13	94.94	.0853	121.8
#1	.0036	.0078	.0015	-.0065	65.26	-.0005	.0001	4.063	.0000
#2	.0034	.0083	.0019	-.0037	65.42	-.0001	.0007	4.058	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0728**	**-.0001**	**-.0007**	**.0074**	**.0055**	**.0112**	**-.0264**
Stddev	.0001	.0001	.0002	.0003	.0023	.0000	.0007
%RSD	.0964	261.4	33.27	4.351	41.84	.0814	2.832
#1	.0727	-.0001	-.0006	.0077	.0039	.0112	-.0259
#2	.0728	.0000	-.0009	.0072	.0072	.0112	-.0269

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4904.5**	**117400.**	**10029.**
Stddev	11.6	564.	34.
%RSD	.23648	.48062	.33511
#1	4896.3	117000.	10005.
#2	4912.7	117800.	10053.

Zoom In Zoom Out

Sample Name: MC27088-16 Acquired: 12/16/2013 16:51:45 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.0330**	**.0003**	**-.0011**	**.3150**	**.0873**	**.0000**	**41.80**	**.0016**
Stddev	.0002	.0170	.0008	.0001	.0012	.0002	.0000	.11	.0000
%RSD	62.22	51.54	248.5	13.07	.3885	.2257	30.36	.2573	1.050
#1	.0002	.0450	-.0002	-.0010	.3141	.0872	.0000	41.72	.0016
#2	.0005	.0210	.0008	-.0012	.3158	.0874	.0000	41.88	.0017

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0023**	**.0007**	**.0007**	**.0194**	**6.835**	**2.702**	**.1970**	**.0100**	F **328.1**
Stddev	.0002	.0003	.0002	.0005	.047	.069	.0005	.0000	1.9
%RSD	7.735	45.20	31.61	2.660	.6864	2.545	.2611	.4179	.5883
#1	.0021	.0005	.0009	.0198	6.868	2.653	.1966	.0101	329.4
#2	.0024	.0009	.0006	.0191	6.801	2.751	.1973	.0100	326.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0066**	**.0000**	**-.0014**	**-.0010**	**9.118**	**.0005**	**.0012**	**4.206**	**.0000**
Stddev	.0001	.000	.0006	.0023	.002	.0004	.0005	.009	.0001
%RSD	1.789	1668.	39.48	225.0	.0233	89.60	39.30	.2096	507.5
#1	.0067	.0001	-.0010	.0006	9.119	.0002	.0016	4.200	-.0001
#2	.0065	-.0001	-.0018	-.0027	9.116	.0008	.0009	4.212	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2828**	**.0005**	**-.0003**	**.0004**	**.0054**	**.0049**	**-.0238**
Stddev	.0009	.0001	.0005	.0006	.0007	.0001	.0001
%RSD	.3176	21.11	165.2	144.0	13.57	2.439	.5133
#1	.2821	.0004	.0000	.0009	.0059	.0049	-.0239
#2	.2834	.0006	-.0006	.0000	.0049	.0050	-.0237

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4533.5**	**108150.**	**9470.9**
Stddev	3.7	158.	9.3
%RSD	.08073	.14642	.09826
#1	4530.9	108260.	9477.4
#2	4536.1	108040.	9464.3

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/16/2013 16:56:43 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2407**	**9.857**	**1.958**	**-.0010**	**1.977**	**1.949**	**1.957**	**9.813**	**1.946**
Stddev	.0006	.009	.004	.0001	.004	.006	.006	.012	.000
%RSD	.2516	.0920	.2191	14.27	.2293	.2853	.3066	.1266	.0201
#1	.2411	9.851	1.955	-.0011	1.974	1.953	1.961	9.822	1.946
#2	.2403	9.864	1.961	-.0009	1.980	1.945	1.952	9.805	1.947

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.032**	**1.891**	**1.936**	**9.816**	**9.825**	**9.766**	**1.957**	**1.951**	**10.02**
Stddev	.000	.014	.006	.023	.001	.069	.008	.005	.03
%RSD	.0053	.7278	.3147	.2367	.0061	.7096	.4272	.2794	.2793
#1	2.032	1.901	1.941	9.833	9.825	9.815	1.963	1.948	10.04
#2	2.032	1.881	1.932	9.800	9.825	9.717	1.951	1.955	10.00

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.909**	**1.947**	**.0010**	**-.0061**	**.0042**	**1.979**	**1.964**	**.0112**	**1.933**
Stddev	.000	.003	.0011	.0018	.0024	.005	.004	.0006	.000
%RSD	.0212	.1500	108.3	30.36	56.99	.2676	.2281	5.595	.0100
#1	1.909	1.945	.0018	-.0074	.0025	1.975	1.961	.0108	1.933
#2	1.909	1.949	.0002	-.0048	.0059	1.982	1.968	.0117	1.933

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.947**	**1.883**	**1.977**	**1.876**	**-.0058**	**1.929**	**-.0069**
Stddev	.001	.014	.005	.012	.0033	.003	.0003
%RSD	.0438	.7350	.2537	.6347	56.26	.1719	4.453
#1	1.948	1.892	1.974	1.885	-.0081	1.932	-.0067
#2	1.946	1.873	1.981	1.868	-.0035	1.927	-.0072

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4739.7**	**115100.**	**9584.2**
Stddev	.6	580.	22.1
%RSD	.01352	.50353	.23069
#1	4740.1	114690.	9568.5
#2	4739.2	115510.	9599.8

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/16/2013 17:01:28 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**-.0097**	**.0002**	**-.0021**	**.0015**	**.0002**	**.0001**	**-.0015**	**.0002**
Stddev	.000	.0121	.0002	.0003	.0001	.0003	.0000	.0008	.0001
%RSD	3026.	124.7	83.85	15.83	6.992	140.7	52.64	53.49	65.03
#1	.0002	-.0183	.0004	-.0018	.0015	.0004	.0000	-.0009	.0001
#2	-.0002	-.0012	.0001	-.0023	.0014	.0000	.0001	-.0021	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0006**	**.0001**	**.0018**	**.0227**	**.0211**	**.0001**	**.0033**	**.2313**
Stddev	.0002	.0000	.0002	.0010	.0269	.0001	.0000	.0007	.0262
%RSD	112.6	.6946	271.8	53.07	118.6	.7091	61.33	22.54	11.34
#1	.0000	.0006	-.0001	.0011	.0418	.0213	.0001	.0038	.2498
#2	.0002	.0006	.0002	.0025	.0037	.0210	.0000	.0028	.2127

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0005**	**.0000**	**.0011**	**-.0005**	**.0038**	**.0010**	**.0010**	**.0027**	**.0004**
Stddev	.0003	.0007	.0013	.0003	.0001	.0002	.0002	.0000	.0001
%RSD	62.89	4977.	123.1	59.64	2.847	17.53	21.29	.3150	22.72
#1	.0003	-.0005	.0020	-.0008	.0037	.0012	.0012	.0027	.0003
#2	.0007	.0005	.0001	-.0003	.0038	.0009	.0009	.0027	.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0002**	**.0015**	**.0006**	**-.0003**	**.0001**	**-.0018**
Stddev	.0000	.0003	.0001	.0001	.0021	.0001	.0006
%RSD	2.486	152.3	4.580	13.88	778.0	109.4	35.79
#1	.0001	.0000	.0014	.0007	-.0018	.0000	-.0013
#2	.0001	.0004	.0015	.0006	.0012	.0001	-.0022

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4764.8**	**113860.**	**9469.9**
Stddev	64.9	721.	128.0
%RSD	1.3619	.63318	1.3514
#1	4810.7	113350.	9379.4
#2	4718.9	114370.	9560.4

Zoom In Zoom Out

Sample Name: MC27088-18 Acquired: 12/16/2013 17:06:23 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**.0045**	**.0000**	**-.0012**	**.0008**	**.0000**	**.0000**	**.0068**	**.0001**
Stddev	.0001	.0071	.0004	.0008	.0001	.0000	.000	.0022	.0000
%RSD	51.88	157.3	1396.	64.61	9.996	1299.	342.2	32.95	32.23
#1	.0001	-.0005	-.0003	-.0018	.0008	.0000	.0000	.0084	.0001
#2	.0002	.0095	.0003	-.0007	.0009	.0000	.0000	.0052	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0004**	**.0003**	**-.0013**	**.0083**	**-.0196**	**.0000**	**.0009**	**.1988**
Stddev	.0000	.0001	.0003	.0030	.0082	.0245	.0000	.0001	.0128
%RSD	4.733	23.68	103.2	242.2	98.80	125.1	363.7	16.36	6.425
#1	-.0001	.0004	.0005	-.0034	.0025	-.0369	.0000	.0010	.2079
#2	-.0001	.0005	.0001	.0009	.0141	-.0023	.0000	.0008	.1898

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0000**	**-.0001**	**-.0006**	**.0003**	**.0036**	**.0001**	**.0003**	**.0370**	**-.0001**
Stddev	.0000	.0001	.0002	.0027	.0012	.0001	.0005	.0001	.0001
%RSD	3070.	105.5	23.99	858.9	34.09	115.3	195.5	.3074	214.3
#1	.0000	.0000	-.0005	-.0016	.0028	.0002	.0006	.0371	-.0002
#2	.0000	-.0001	-.0007	.0022	.0045	.0000	-.0001	.0369	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**-.0001**	**-.0006**	**.0003**	**.0017**	**.0057**	**-.0027**
Stddev	.0000	.0001	.0007	.0001	.0036	.0000	.0004
%RSD	55.89	179.8	113.7	39.86	204.8	.5854	15.46
#1	.0001	.0000	-.0001	.0002	-.0008	.0057	-.0030
#2	.0000	-.0001	-.0010	.0004	.0043	.0056	-.0024

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4686.1**	**113420.**	**9477.6**
Stddev	10.2	365.	97.8
%RSD	.21722	.32173	1.0316
#1	4679.0	113680.	9408.5
#2	4693.3	113160.	9546.7

Zoom In Zoom Out

Sample Name: MC27119-1 Acquired: 12/16/2013 17:11:18 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0005**	**.1995**	**.0032**	**.0005**	**.3242**	**.3508**	**.0000**	**58.53**	**.0002**
Stddev	.0001	.0147	.0009	.0018	.0002	.0000	.000	.10	.0000
%RSD	27.66	7.386	26.76	354.6	.0723	.0033	49.88	.1787	7.813
#1	.0006	.1890	.0038	.0018	.3241	.3508	.0000	58.61	.0002
#2	.0004	.2099	.0026	-.0008	.3244	.3508	.0000	58.46	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0005**	**.0008**	**.0010**	**.6257**	**2.510**	**25.18**	**3.048**	**.0027**	**55.21**
Stddev	.0001	.0002	.0001	.0004	.022	.03	.007	.0000	.03
%RSD	28.71	20.18	7.777	.0580	.8946	.1095	.2235	.1367	.0492
#1	.0004	.0009	.0009	.6254	2.494	25.20	3.053	.0027	55.19
#2	.0006	.0007	.0010	.6260	2.525	25.16	3.043	.0027	55.23

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0020**	**.0002**	**-.0035**	**-.0098**	**.4854**	**.0007**	**.0006**	**8.627**	**.0014**
Stddev	.0000	.0002	.0006	.0013	.0003	.0002	.0003	.024	.0000
%RSD	.9587	104.8	16.09	13.13	.0593	24.98	52.28	.2728	1.354
#1	.0020	.0003	-.0039	-.0108	.4856	.0008	.0004	8.644	.0015
#2	.0020	.0001	-.0031	-.0089	.4852	.0006	.0008	8.610	.0014

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.8966**	**.0066**	**-.0002**	**.0021**	**.0012**	**.0086**	**-.0497**
Stddev	.0003	.0001	.0004	.0001	.0026	.0000	.0006
%RSD	.0361	1.592	161.2	3.477	217.9	.1227	1.299
#1	.8964	.0065	.0000	.0021	-.0007	.0087	-.0492
#2	.8969	.0067	-.0005	.0020	.0031	.0086	-.0502

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4648.8**	**112200.**	**9492.6**
Stddev	4.6	807.	75.5
%RSD	.09962	.71889	.79562
#1	4645.5	111630.	9439.2
#2	4652.1	112770.	9546.0

Zoom In Zoom Out

Sample Name: MC27119-2 Acquired: 12/16/2013 17:16:10 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	**.0005**	**.0728**	**.0023**	**.0627**	**.1936**	**.3535**	**.0000**	**56.15**
Stddev	.0002	.0114	.0003	.0019	.0003	.0012	.000	.17
%RSD	41.16	15.63	12.90	3.001	.1567	.3265	154.3	.3010
#1	.0007	.0647	.0021	.0640	.1938	.3527	.0000	56.04
#2	.0004	.0808	.0025	.0613	.1934	.3543	-.0001	56.27

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	**.0002**	**.0074**	**.0012**	**.0009**	**11.70**	**3.033**	**14.06**	F **23.52**
Stddev	.0001	.0001	.0000	.0003	.02	.012	.01	.09
%RSD	28.92	1.819	.3001	29.20	.1912	.3807	.0811	.3845
#1	.0002	.0073	.0012	.0011	11.68	3.025	14.07	23.59
#2	.0003	.0075	.0012	.0007	11.72	3.041	14.05	23.46

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	**.0024**	**40.86**	**.0020**	**-.0006**	**-.0075**	F **-.1183**	**.3424**	**-.0002**
Stddev	.0000	.11	.0002	.0002	.0001	.0034	.0013	.0001
%RSD	1.803	.2722	9.973	38.37	.8882	2.894	.3906	40.51
#1	.0024	40.78	.0018	-.0008	-.0075	-.1207	.3414	-.0001
#2	.0025	40.94	.0021	-.0004	-.0076	-.1158	.3433	-.0002

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	**.0040**	**11.03**	**.0004**	**.2882**	**.0041**	**.0050**	**.0015**	**.0040**
Stddev	.0003	.00	.0001	.0013	.0003	.0003	.0003	.0003
%RSD	7.780	.0338	16.17	.4455	6.882	5.511	20.19	7.179
#1	.0043	11.03	.0004	.2873	.0039	.0048	.0013	.0038
#2	.0038	11.03	.0003	.2891	.0043	.0052	.0017	.0042

Elem	Zn2062	Zr3391
Avg	**.0064**	**-.0637**
Stddev	.0001	.0005
%RSD	.8339	.7430
#1	.0065	-.0634
#2	.0064	-.0641

Zoom In Zoom Out

Sample Name: MC27119-2 Acquired: 12/16/2013 17:16:10 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4670.4**	**112260.**	**9442.2**
Stddev	.7	630.	43.8
%RSD	.01520	.56137	.46413
#1	4670.9	111810.	9473.2
#2	4669.9	112700.	9411.3

Zoom In Zoom Out

Sample Name: MC27119-3 Acquired: 12/16/2013 17:21:08 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**.3516**	**.0008**	**-.0019**	**.0776**	**.0163**	**-.0001**	**28.93**	**.0001**
Stddev	.0003	.0136	.0001	.0002	.0007	.0002	.0000	.13	.0000
%RSD	176.3	3.872	11.12	13.00	.9469	1.087	23.61	.4580	24.73
#1	.0000	.3420	.0007	-.0017	.0770	.0161	-.0001	28.84	.0001
#2	.0004	.3612	.0008	-.0021	.0781	.0164	-.0001	29.03	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0006**	**.0041**	**.5086**	**9.235**	**1.638**	**.0964**	**.0060**	**22.49**
Stddev	.0000	.0002	.0001	.0100	.035	.012	.0003	.0001	.13
%RSD	4.902	23.92	2.066	1.962	.3823	.7111	.2764	1.191	.5932
#1	-.0001	.0007	.0040	.5016	9.260	1.646	.0966	.0061	22.40
#2	-.0001	.0005	.0041	.5157	9.210	1.629	.0963	.0060	22.59

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0037**	**-.0001**	**-.0016**	**.0004**	**2.915**	**.0005**	**.0008**	**5.389**	**-.0002**
Stddev	.0000	.0002	.0009	.0004	.024	.0002	.0004	.039	.0000
%RSD	1.081	250.4	54.25	84.91	.8275	30.30	42.62	.7221	19.96
#1	.0038	.0000	-.0010	.0007	2.898	.0006	.0011	5.361	-.0002
#2	.0037	-.0002	-.0022	.0002	2.932	.0004	.0006	5.416	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1345**	**.0055**	**-.0003**	**.0022**	**.0291**	**.0096**	**-.0319**
Stddev	.0017	.0001	.0002	.0001	.0007	.0001	.0003
%RSD	1.255	2.413	62.89	3.699	2.447	.6886	.8030
#1	.1333	.0054	-.0002	.0021	.0296	.0095	-.0318
#2	.1357	.0056	-.0005	.0022	.0286	.0096	-.0321

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4687.8**	**112640.**	**9549.3**
Stddev	18.9	111.	2.3
%RSD	.40277	.09876	.02394
#1	4701.2	112560.	9547.6
#2	4674.5	112720.	9550.9

Zoom In Zoom Out

Sample Name: MC27119-4 Acquired: 12/16/2013 17:26:00 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**.0807**	**.0002**	**.0047**	**.1642**	**.0432**	**.0000**	**143.8**	**.0002**
Stddev	.0003	.0066	.0002	.0015	.0005	.0004	.000	.2	.0001
%RSD	127.7	8.144	74.26	31.15	.2966	.9156	305.9	.1208	30.78
#1	.0000	.0761	.0001	.0058	.1646	.0429	.0000	143.6	.0002
#2	.0005	.0854	.0003	.0037	.1639	.0435	-.0001	143.9	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0014**	**.0011**	**.0004**	**13.32**	**3.669**	**32.75**	**5.637**	**.0017**	**46.77**
Stddev	.0000	.0001	.0002	.01	.060	.27	.019	.0001	.16
%RSD	1.019	12.19	55.04	.0676	1.634	.8225	.3381	5.887	.3392
#1	.0014	.0010	.0006	13.32	3.627	32.56	5.650	.0017	46.88
#2	.0014	.0012	.0003	13.33	3.712	32.95	5.623	.0018	46.65

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0028**	**-.0009**	**-.0069**	**-.0219**	F **111.6**	**.0000**	**.0014**	**11.86**	**.0000**
Stddev	.0001	.0001	.0002	.0017	.0	.0005	.0010	.01	.0003
%RSD	2.154	12.69	3.347	7.890	.0429	3955.	71.19	.0908	708.1
#1	.0027	-.0008	-.0067	-.0231	111.6	-.0004	.0020	11.86	-.0002
#2	.0028	-.0010	-.0070	-.0207	111.5	.0004	.0007	11.85	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5235**	**.0029**	**-.0003**	**.0012**	**.0065**	**.0308**	**-.0680**
Stddev	.0027	.0001	.0002	.0000	.0009	.0000	.0001
%RSD	.5114	3.805	51.66	1.724	14.09	.1011	.0988
#1	.5254	.0029	-.0002	.0012	.0059	.0308	-.0680
#2	.5216	.0028	-.0004	.0013	.0072	.0308	-.0681

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4569.6**	**111150.**	**9436.9**
Stddev	7.7	729.	72.6
%RSD	.16779	.65590	.76943
#1	4564.2	110640.	9488.2
#2	4575.0	111670.	9385.5

Zoom In Zoom Out

Sample Name: MC27119-5 Acquired: 12/16/2013 17:30:57 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0007**	**.0205**	**-.0008**	**-.0008**	**.4690**	**.0045**	**.0000**	**27.18**	**.0005**
Stddev	.0001	.0091	.0006	.0012	.0004	.0000	.000	.01	.0000
%RSD	18.86	44.25	67.52	145.7	.0845	.4975	80.91	.0518	.1300
#1	.0008	.0269	-.0004	-.0017	.4693	.0045	.0000	27.19	.0005
#2	.0006	.0141	-.0012	.0000	.4687	.0045	.0000	27.17	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0003**	**.0004**	**.0005**	**.0681**	**.5511**	**8.696**	**.0030**	**.0040**	**45.53**
Stddev	.0000	.0003	.0001	.0027	.0173	.016	.0001	.0000	.08
%RSD	14.03	67.45	25.91	3.998	3.142	.1876	1.693	.8626	.1737
#1	-.0003	.0002	.0004	.0701	.5634	8.685	.0030	.0040	45.47
#2	-.0003	.0006	.0006	.0662	.5389	8.708	.0030	.0040	45.59

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0011**	**-.0007**	**-.0019**	**.0019**	**3.864**	**.0003**	**.0000**	**11.20**	**-.0004**
Stddev	.0001	.0006	.0013	.0014	.001	.0005	.000	.00	.0002
%RSD	7.985	96.85	69.02	74.21	.0353	140.9	588.2	.0074	44.69
#1	.0011	-.0002	-.0029	.0028	3.863	.0006	-.0001	11.20	-.0003
#2	.0010	-.0011	-.0010	.0009	3.865	.0000	.0001	11.20	-.0005

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0844**	**.0006**	**-.0006**	**.0030**	**.0023**	**.0062**	**-.0651**
Stddev	.0000	.0002	.0003	.0002	.0023	.0000	.0003
%RSD	.0233	26.90	38.93	6.360	98.92	.6790	.4080
#1	.0844	.0008	-.0005	.0032	.0040	.0062	-.0652
#2	.0844	.0005	-.0008	.0029	.0007	.0062	-.0649

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4685.2**	**113120.**	**9574.3**
Stddev	2.0	180.	5.4
%RSD	.04335	.15935	.05652
#1	4683.7	112990.	9578.1
#2	4686.6	113250.	9570.4

Zoom In Zoom Out

Sample Name: MC27119-6 Acquired: 12/16/2013 17:35:49 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**.0925**	**-.0004**	**.0007**	**.1905**	**.0169**	**.0000**	**45.60**	**.0012**
Stddev	.0003	.0194	.0016	.0004	.0007	.0000	.000	.56	.0001
%RSD	130.1	21.01	393.1	49.06	.3670	.1635	233.1	1.218	6.735
#1	.0005	.1062	.0007	.0005	.1900	.0169	-.0001	45.21	.0012
#2	.0000	.0788	-.0015	.0010	.1910	.0169	.0000	45.99	.0011

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0090**	**.0008**	**.0020**	**8.043**	**1.566**	**13.89**	**2.659**	**.0013**	**106.1**
Stddev	.0000	.0004	.0001	.158	.000	.20	.019	.0000	.7
%RSD	.1645	55.69	6.007	1.968	.0249	1.439	.7275	.8361	.6759
#1	.0090	.0011	.0019	7.932	1.566	13.75	2.673	.0013	105.6
#2	.0090	.0005	.0021	8.155	1.565	14.03	2.646	.0013	106.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0003**	**-.0002**	**-.0020**	**-.0139**	**12.19**	**.0000**	**.0011**	**12.86**	**-.0001**
Stddev	.0000	.0002	.0015	.0005	.00	.000	.0000	.03	.0001
%RSD	4.301	81.49	73.79	3.556	.0124	617.7	3.444	.2015	65.74
#1	.0003	-.0001	-.0031	-.0136	12.19	-.0002	.0012	12.84	-.0001
#2	.0003	-.0004	-.0010	-.0143	12.19	.0001	.0011	12.87	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1896**	**.0037**	**-.0009**	**.0020**	**.0000**	**.0400**	**-.0738**
Stddev	.0015	.0002	.0002	.0002	.003	.0000	.0007
%RSD	.7929	5.833	19.91	9.609	46350.	.0387	.9832
#1	.1886	.0038	-.0008	.0022	-.0023	.0400	-.0733
#2	.1907	.0035	-.0011	.0019	.0023	.0400	-.0744

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4643.0**	**112630.**	**9621.4**
Stddev	1.6	816.	181.2
%RSD	.03467	.72417	1.8837
#1	4644.2	112060.	9749.6
#2	4641.9	113210.	9493.3

Zoom In Zoom Out

Sample Name: MC27119-7 Acquired: 12/16/2013 17:40:41 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0005**	**.1222**	**.0038**	**-.0020**	**.0271**	**.0145**	**.0000**	**18.69**	**.0075**
Stddev	.0001	.0008	.0012	.0010	.0003	.0002	.000	.11	.0001
%RSD	14.17	.6165	30.40	49.14	1.107	1.669	32.54	.6145	1.080
#1	.0005	.1216	.0046	-.0013	.0273	.0143	.0000	18.60	.0074
#2	.0006	.1227	.0030	-.0026	.0269	.0147	.0000	18.77	.0075

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0009**	**.0054**	**.1480**	**4.823**	**.7585**	**.0795**	**.0011**	**5.490**
Stddev	.000	.0000	.0000	.0011	.031	.0010	.0001	.0001	.028
%RSD	2090.	4.854	.0460	.7411	.6510	.1303	.0843	5.277	.5024
#1	-.0001	.0008	.0054	.1473	4.801	.7592	.0795	.0010	5.470
#2	.0001	.0009	.0054	.1488	4.845	.7578	.0796	.0011	5.509

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0040**	**.0001**	**-.0010**	**.0026**	**.9804**	**.0011**	**.0010**	**1.674**	**.0009**
Stddev	.0000	.0006	.0005	.0020	.0020	.0003	.0011	.001	.0000
%RSD	1.108	663.5	52.14	77.30	.2026	26.41	115.8	.0827	1.783
#1	.0040	.0006	-.0014	.0041	.9790	.0013	.0018	1.675	.0009
#2	.0040	-.0004	-.0006	.0012	.9818	.0009	.0002	1.673	.0009

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0619**	**.0033**	**-.0012**	**.0010**	**.0012**	**.2809**	**-.0119**
Stddev	.0001	.0004	.0006	.0002	.0007	.0006	.0001
%RSD	.0991	10.67	52.44	15.78	58.36	.2014	.9513
#1	.0619	.0031	-.0008	.0011	.0016	.2805	-.0118
#2	.0619	.0036	-.0017	.0009	.0007	.2813	-.0120

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4676.7**	**113310.**	**9629.4**
Stddev	.3	49.	81.6
%RSD	.00577	.04346	.84787
#1	4676.9	113340.	9687.2
#2	4676.5	113270.	9571.7

Zoom In Zoom Out

Sample Name: MC27138-3 Acquired: 12/16/2013 17:45:34 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.0064**	**-.0007**	**-.0020**	**.0006**	**.0000**	**.0000**	**.0077**	**.0000**
Stddev	.000	.0016	.0005	.0003	.0001	.0001	.000	.0008	.0001
%RSD	828.7	24.58	77.71	15.15	10.52	941.4	115.0	10.17	201.9
#1	.0002	.0075	-.0010	-.0018	.0005	-.0001	.0000	.0082	.0001
#2	-.0003	.0053	-.0003	-.0023	.0006	.0001	-.0001	.0071	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**.0004**	**.0003**	**.0006**	**.0189**	**-.0116**	**.0001**	**.0002**	**.1836**
Stddev	.0001	.0002	.0001	.0032	.0225	.0238	.0000	.0000	.0110
%RSD	30.01	55.49	46.48	515.9	118.8	205.7	12.61	15.86	5.974
#1	-.0001	.0003	.0002	-.0016	.0349	.0053	.0001	.0001	.1914
#2	-.0002	.0006	.0004	.0029	.0030	-.0284	.0000	.0002	.1759

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**.0002**	**.0002**	**.0005**	**.0055**	**.0005**	**.0006**	**.0391**	**-.0002**
Stddev	.0000	.0004	.0006	.0008	.0017	.0009	.0005	.0004	.0001
%RSD	12.06	151.5	335.0	148.0	30.66	188.4	79.40	.8950	71.49
#1	.0002	.0000	-.0002	.0000	.0067	-.0002	.0003	.0389	-.0002
#2	.0001	.0005	.0006	.0011	.0043	.0011	.0009	.0394	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**-.0002**	**-.0010**	**.0005**	**.0019**	**.0060**	**-.0030**
Stddev	.000	.0002	.0001	.0002	.0006	.0000	.0007
%RSD	96.95	103.6	11.85	50.07	32.98	.4533	23.93
#1	.0000	.0000	-.0009	.0003	.0014	.0060	-.0035
#2	-.0001	-.0003	-.0011	.0007	.0023	.0060	-.0025

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4706.1**	**113940.**	**9563.4**
Stddev	12.7	1021.	74.1
%RSD	.26949	.89570	.77510
#1	4715.0	114670.	9510.9
#2	4697.1	113220.	9615.8

Zoom In Zoom Out

Sample Name: MP22262-B1 Acquired: 12/16/2013 17:50:31 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.1993**	**2.068**	**.5326**	**-.0008**	**.0017**	**1.935**	**.4934**	**23.92**	**.5029**
Stddev	.0004	.003	.0022	.0003	.0000	.014	.0023	.13	.0007
%RSD	.2054	.1285	.4139	34.61	.1107	.7169	.4618	.5245	.1422
#1	.1990	2.066	.5310	-.0010	.0017	1.945	.4950	24.01	.5024
#2	.1996	2.070	.5341	-.0006	.0017	1.926	.4918	23.83	.5034

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5082**	**.4960**	**.4789**	**1.938**	**24.67**	**24.76**	**.4951**	**.0000**	**24.38**
Stddev	.0002	.0023	.0010	.024	.15	.11	.0007	.000	.10
%RSD	.0465	.4572	.2149	1.220	.5973	.4378	.1440	458.9	.3996
#1	.5084	.4976	.4782	1.955	24.77	24.83	.4956	.0000	24.45
#2	.5081	.4944	.4796	1.922	24.57	24.68	.4946	-.0001	24.31

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.4738**	**.9640**	**-.0011**	**-.0011**	**.0053**	**.5160**	**.5112**	**.0139**	**-.0010**
Stddev	.0003	.0009	.0010	.0036	.0009	.0008	.0013	.0005	.0000
%RSD	.0624	.0951	92.16	316.8	17.47	.1491	.2451	3.925	.1387
#1	.4736	.9646	-.0018	.0014	.0060	.5154	.5103	.0135	-.0010
#2	.4740	.9633	-.0004	-.0037	.0047	.5165	.5121	.0143	-.0010

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4755**	**.4745**	**.5121**	**.5002**	**.0005**	**.5077**	**-.0030**
Stddev	.0020	.0014	.0001	.0010	.0002	.0002	.0002
%RSD	.4233	.2904	.0208	.2029	50.85	.0416	5.344
#1	.4769	.4754	.5122	.5009	.0003	.5075	-.0029
#2	.4741	.4735	.5120	.4995	.0006	.5078	-.0031

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4636.5**	**112650.**	**9548.5**
Stddev	2.0	440.	73.9
%RSD	.04394	.39017	.77384
#1	4637.9	112340.	9496.3
#2	4635.1	112960.	9600.8

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/16/2013 17:55:19 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2387	9.800	1.961	-.0006	1.990	1.921	1.919	9.625	1.947
Stddev	.0001	.009	.004	.0004	.001	.003	.002	.035	.004
%RSD	.0495	.0917	.2067	74.25	.0251	.1405	.1120	.3624	.1779
#1	.2388	9.806	1.964	-.0003	1.990	1.919	1.918	9.600	1.949
#2	.2386	9.793	1.958	-.0008	1.991	1.923	1.921	9.650	1.944

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	2.036	1.864	1.945	9.546	9.699	9.717	1.952	1.953	9.673
Stddev	.005	.022	.010	.008	.022	.022	.011	.000	.052
%RSD	.2428	1.164	.4987	.0843	.2286	.2220	.5654	.0105	.5343
#1	2.039	1.880	1.952	9.540	9.684	9.732	1.960	1.953	9.637
#2	2.032	1.849	1.938	9.552	9.715	9.702	1.944	1.953	9.710

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	1.904	1.958	.0007	-.0075	-.0014	1.984	1.961	.0097	1.945
Stddev	.005	.000	.0001	.0033	.0012	.000	.001	.0010	.004
%RSD	.2891	.0207	12.52	43.42	84.42	.0219	.0624	10.72	.1815
#1	1.908	1.959	.0007	-.0052	-.0006	1.984	1.962	.0090	1.947
#2	1.900	1.958	.0006	-.0098	-.0022	1.984	1.960	.0105	1.942

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.883	1.867	1.994	1.865	-.0079	1.934	-.0088
Stddev	.005	.017	.003	.015	.0030	.005	.0005
%RSD	.2869	.8979	.1543	.7799	37.62	.2503	5.194
#1	1.879	1.879	1.996	1.875	-.0100	1.937	-.0085
#2	1.887	1.855	1.992	1.854	-.0058	1.930	-.0091

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4722.4	114680.	9650.1
Stddev	7.6	41.	89.9
%RSD	.16081	.03610	.93160
#1	4717.0	114650.	9713.7
#2	4727.7	114710.	9586.5

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/16/2013 18:00:04 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0001	-.0117	-.0003	-.0015	.0013	.0000	.0001	-.0019	.0002
Stddev	.0001	.0019	.0002	.0003	.0001	.0001	.0001	.0038	.0000
%RSD	58.97	16.02	53.19	22.53	8.435	181.5	45.12	197.6	16.24
#1	-.0002	-.0103	-.0002	-.0012	.0012	.0000	.0002	.0008	.0001
#2	-.0001	-.0130	-.0004	-.0017	.0013	.0001	.0001	-.0046	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0000	.0004	.0004	.0029	.0094	.0043	.0000	.0032	.1077
Stddev	.0000	.0002	.0001	.0004	.0376	.0077	.0000	.0008	.0286
%RSD	95.38	44.18	19.36	13.82	402.1	179.4	75.92	24.86	26.58
#1	.0000	.0005	.0005	.0026	.0360	.0097	.0000	.0037	.1280
#2	.0001	.0002	.0004	.0032	-.0172	-.0012	.0001	.0026	.0875

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0004	.0008	.0002	.0051	-.0013	.0003	.0001	.0016	.0003
Stddev	.0000	.0010	.0007	.0017	.0003	.0009	.0004	.0002	.0003
%RSD	1.224	129.6	339.2	33.95	20.32	276.9	592.5	11.57	100.1
#1	.0004	.0015	.0007	.0038	-.0011	.0010	-.0002	.0018	.0004
#2	.0004	.0001	-.0003	.0063	-.0015	-.0003	.0004	.0015	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0001	.0000	.0016	.0004	.0010	-.0001	-.0006
Stddev	.0000	.0003	.0003	.0000	.0020	.0000	.0002
%RSD	93.77	526.8	19.93	2.882	202.5	49.57	28.87
#1	.0000	-.0001	.0018	.0004	-.0004	-.0001	-.0004
#2	.0001	.0002	.0014	.0004	.0024	-.0001	-.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4687.2	111890.	9376.4
Stddev	.3	131.	33.5
%RSD	.00659	.11670	.35701
#1	4687.4	111980.	9352.7
#2	4687.0	111800.	9400.0

Zoom In Zoom Out

Sample Name: MP22262-MB1 Acquired: 12/16/2013 18:05:00 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0001	-.0078	.0000	-.0015	.0005	.0002	.0000	.0001	.0001
Stddev	.0001	.0023	.001	.0014	.0003	.0003	.0000	.0008	.0000
%RSD	177.5	29.40	1840.	94.46	67.18	163.3	639.3	1375.	6.796
#1	.0000	-.0094	.0004	-.0024	.0003	.0000	.0000	-.0005	.0001
#2	.0001	-.0062	-.0005	-.0005	.0007	.0004	.0000	.0007	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0001	.0000	.0003	-.0005	-.0352	-.0211	.0000	.0010	.1085
Stddev	.0001	.000	.0001	.0015	.0085	.0035	.0000	.0000	.0111
%RSD	74.87	5339.	40.73	288.6	24.15	16.45	31.07	.1997	10.19
#1	-.0001	.0002	.0002	.0005	-.0412	-.0236	.0000	.0010	.1163
#2	-.0002	-.0002	.0004	-.0015	-.0292	-.0187	.0000	.0010	.1007

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0002	-.0003	.0000	.0030	.0025	.0006	.0004	.0154	.0000
Stddev	.0000	.0010	.0006	.0003	.0012	.0003	.0013	.0002	.000
%RSD	4.651	358.6	4578.	8.408	50.46	46.03	296.4	1.162	171.4
#1	.0002	.0004	.0004	.0032	.0033	.0004	.0014	.0153	-.0001
#2	.0002	-.0010	-.0004	.0028	.0016	.0007	-.0005	.0155	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0000	-.0001	-.0006	.0008	.0029	.0016	-.0018
Stddev	.0000	.0002	.0004	.0002	.0007	.0000	.0001
%RSD	7.083	251.4	73.37	25.27	23.54	3.064	3.652
#1	.0000	-.0002	-.0003	.0010	.0024	.0016	-.0017
#2	.0000	.0001	-.0009	.0007	.0034	.0017	-.0018

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4671.5	112670.	9453.9
Stddev	14.7	55.	97.8
%RSD	.31474	.04842	1.0348
#1	4681.9	112630.	9384.7
#2	4661.1	112700.	9523.1

Zoom In Zoom Out

Sample Name: MP22262-S1 Acquired: 12/16/2013 18:09:57 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2094	2.149	.5410	.0038	.1036	2.081	.4906	129.2	.5087
Stddev	.0005	.007	.0036	.0005	.0007	.009	.0003	.2	.0007
%RSD	.2429	.3321	.6565	12.23	.6436	.4327	.0575	.1293	.1418
#1	.2097	2.154	.5385	.0035	.1031	2.087	.4904	129.1	.5082
#2	.2090	2.144	.5435	.0042	.1041	2.074	.4908	129.4	.5093

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.4980	.4943	.4868	1.962	28.49	76.36	5.458	.0006	F 274.2
Stddev	.0011	.0031	.0012	.010	.03	.03	.022	.0001	2.9
%RSD	.2120	.6212	.2421	.5107	.1000	.0404	.4032	24.86	1.055
#1	.4972	.4965	.4876	1.969	28.51	76.34	5.443	.0005	276.3
#2	.4987	.4922	.4859	1.955	28.47	76.39	5.474	.0007	272.2

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4634	.9431	-.0076	-.0202	17.84	.5242	.5159	13.24	-.0011
Stddev	.0012	.0006	.0001	.0008	.06	.0002	.0006	.03	.0002
%RSD	.2514	.0631	1.263	3.965	.3321	.0474	.1127	.2497	18.24
#1	.4626	.9427	-.0076	-.0197	17.80	.5240	.5155	13.21	-.0009
#2	.4643	.9435	-.0075	-.0208	17.88	.5244	.5163	13.26	-.0012

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.133	.4725	.4926	.4996	-.0016	.5084	-.0746
Stddev	.001	.0027	.0018	.0028	.0014	.0002	.0002
%RSD	.1038	.5709	.3641	.5637	85.16	.0439	.3304
#1	1.134	.4744	.4914	.5016	-.0026	.5083	-.0744
#2	1.132	.4706	.4939	.4977	-.0006	.5086	-.0747

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4421.7	107260.	9357.0
Stddev	2.2	143.	45.0
%RSD	.04980	.13298	.48078
#1	4420.2	107360.	9325.2
#2	4423.3	107160.	9388.8

Zoom In Zoom Out

Sample Name: MP22262-S2 Acquired: 12/16/2013 18:14:55 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2061	2.146	.5401	.0025	.1023	2.059	.4846	127.8	.5053
Stddev	.0046	.032	.0006	.0007	.0001	.033	.0064	1.7	.0001
%RSD	2.249	1.502	.1142	28.58	.0817	1.619	1.312	1.350	.0199
#1	.2028	2.169	.5405	.0030	.1024	2.083	.4891	129.0	.5054
#2	.2094	2.123	.5397	.0020	.1022	2.035	.4801	126.5	.5052

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.4945	.4794	.4765	1.944	28.39	74.97	5.361	.0004	F 269.7
Stddev	.0002	.0134	.0109	.019	.46	1.23	.081	.0001	5.9
%RSD	.0414	2.803	2.282	.9980	1.633	1.634	1.516	23.90	2.176
#1	.4944	.4699	.4688	1.958	28.72	75.83	5.303	.0005	273.9
#2	.4946	.4889	.4842	1.930	28.06	74.10	5.418	.0003	265.6

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4608	.9397	-.0073	-.0208	17.79	.5197	.5158	13.16	-.0007
Stddev	.0002	.0016	.0002	.0026	.00	.0008	.0004	.00	.0001
%RSD	.0379	.1677	3.287	12.75	.0260	.1524	.0747	.0128	10.69
#1	.4609	.9408	-.0071	-.0189	17.78	.5203	.5161	13.16	-.0007
#2	.4607	.9386	-.0075	-.0226	17.79	.5192	.5156	13.16	-.0008

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.121	.4618	.4877	.4859	-.0017	.5043	-.0752
Stddev	.010	.0104	.0016	.0135	.0028	.0006	.0010
%RSD	.9010	2.244	.3312	2.785	169.2	.1119	1.332
#1	1.129	.4544	.4865	.4764	-.0037	.5047	-.0759
#2	1.114	.4691	.4888	.4955	.0003	.5039	-.0745

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4466.6	109600.	9453.2
Stddev	5.2	2175.	155.3
%RSD	.11548	1.9841	1.6431
#1	4462.9	111140.	9343.4
#2	4470.2	108070.	9563.0

Zoom In Zoom Out

Sample Name: MC27047-6 Acquired: 12/16/2013 18:19:53 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0003	.0413	-.0006	.0042	.1020	.1179	.0000	104.8	.0003
Stddev	.0001	.0035	.0001	.0001	.0005	.0001	.000	.1	.0000
%RSD	52.40	8.530	18.89	2.255	.5068	.0727	349.4	.0698	9.066
#1	.0004	.0438	-.0005	.0042	.1016	.1180	.0000	104.8	.0002
#2	.0002	.0388	-.0007	.0043	.1023	.1179	.0000	104.7	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0004	.0063	.0018	.0286	2.992	50.12	5.000	.0003	F 255.4
Stddev	.0000	.0000	.0002	.0005	.012	.15	.010	.0001	1.0
%RSD	12.91	.7448	11.80	1.824	.4049	.3019	.2007	31.21	.3768
#1	-.0004	.0063	.0017	.0290	3.000	50.23	4.993	.0002	256.0
#2	-.0003	.0063	.0020	.0282	2.983	50.02	5.007	.0004	254.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0019	-.0006	-.0068	-.0178	17.95	.0000	.0027	13.13	-.0002
Stddev	.0001	.0003	.0007	.0028	.02	.000	.0009	.05	.0001
%RSD	5.536	49.13	10.69	15.64	.1034	2541.	32.34	.3808	74.30
#1	.0019	-.0008	-.0073	-.0198	17.94	.0002	.0021	13.10	-.0003
#2	.0018	-.0004	-.0063	-.0159	17.97	-.0002	.0033	13.17	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.6555	.0022	.0005	.0008	.0005	.0135	-.0739
Stddev	.0045	.0002	.0008	.0000	.0001	.0000	.0000
%RSD	.6879	7.835	156.4	2.278	26.90	.1751	.0068
#1	.6587	.0023	.0010	.0008	.0006	.0135	-.0739
#2	.6523	.0021	-.0001	.0008	.0004	.0135	-.0739

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4486.1	108570.	9507.8
Stddev	4.3	100.	21.8
%RSD	.09548	.09248	.22962
#1	4489.1	108650.	9492.4
#2	4483.1	108500.	9523.2

Zoom In Zoom Out

Sample Name: MP22262-SD1 Acquired: 12/16/2013 18:24:57 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0012	.0528	.0028	.0003	.1044	.1183	.0000	106.8	.0003
Stddev	.0031	.0621	.0009	.0009	.0002	.000	.2	.0000	
%RSD	266.5	117.5	31.14	316.1	.8302	.1661	459.6	.2043	4.469
#1	-.0010	.0968	.0022	.0009	.1038	.1182	-.0001	106.6	.0004
#2	.0034	.0089	.0035	-.0004	.1050	.1185	.0001	106.9	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0009	.0075	.0035	.0380	3.184	50.62	5.164	.0013	291.6
Stddev	.0002	.0009	.0014	.0088	.068	.42	.001	.0001	.3
%RSD	28.29	12.12	38.94	23.16	2.126	.8354	.0162	11.59	.0910
#1	-.0007	.0069	.0025	.0318	3.136	50.32	5.164	.0012	291.8
#2	-.0010	.0082	.0044	.0442	3.232	50.91	5.165	.0014	291.4

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0029	-.0023	-.0066	-.0081	17.96	.0001	.0033	13.05	-.0024
Stddev	.0007	.0024	.0004	.0198	.02	.0042	.0009	.01	.0001
%RSD	24.22	104.2	6.295	243.7	.1371	3813.	28.57	.0631	3.755
#1	.0034	-.0006	-.0063	-.0222	17.98	.0031	.0039	13.04	-.0025
#2	.0024	-.0039	-.0069	.0059	17.95	-.0029	.0026	13.06	-.0024

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.6592	.0023	-.0008	.0025	.0005	.0179	-.0839
Stddev	.0009	.0001	.0002	.0011	.0022	.0001	.0015
%RSD	.1325	3.352	20.31	43.92	447.9	.4225	1.798
#1	.6586	.0022	-.0009	.0033	.0020	.0178	-.0828
#2	.6598	.0023	-.0007	.0017	-.0011	.0179	-.0850

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4680.8	113100.	9605.6
Stddev	4.6	364.	7.8
%RSD	.09728	.32139	.08152
#1	4677.6	112850.	9611.1
#2	4684.0	113360.	9600.1

Zoom In Zoom Out

Sample Name: MP22262-B2 Acquired: 12/16/2013 18:29:51 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2037	2.054	.5319	-.0008	.0017	1.934	.4852	24.06	.4981
Stddev	.0010	.001	.0016	.0003	.0000	.009	.0022	.09	.0005
%RSD	.5087	.0254	.2982	35.43	.8977	.4929	.4494	.3898	.0998
#1	.2029	2.054	.5308	-.0006	.0017	1.927	.4837	23.99	.4977
#2	.2044	2.055	.5330	-.0009	.0017	1.940	.4867	24.12	.4984

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5035	.4890	.4738	1.927	24.92	24.84	.4897	.0001	24.64
Stddev	.0004	.0016	.0031	.009	.06	.25	.0005	.0001	.03
%RSD	.0717	.3249	.6555	.4596	.2391	.9930	.0928	130.3	.1149
#1	.5033	.4879	.4716	1.921	24.88	24.66	.4893	.0001	24.62
#2	.5038	.4901	.4760	1.934	24.96	25.01	.4900	.0000	24.66

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4699	.9676	-.0022	-.0005	.0024	.5113	.5114	.0156	-.0011
Stddev	.0007	.0003	.0018	.0047	.0026	.0004	.0009	.0005	.0002
%RSD	.1529	.0358	80.01	884.0	111.8	.0870	.1722	3.324	16.18
#1	.4694	.9673	-.0035	-.0039	.0042	.5109	.5120	.0160	-.0012
#2	.4704	.9678	-.0010	.0028	.0005	.5116	.5108	.0153	-.0010

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4718	.4681	.5083	.4964	-.0019	.5029	-.0038
Stddev	.0012	.0011	.0004	.0030	.0007	.0003	.0002
%RSD	.2624	.2269	.0849	.6104	36.09	.0665	4.448
#1	.4710	.4673	.5087	.4942	-.0014	.5026	-.0037
#2	.4727	.4688	.5080	.4985	-.0023	.5031	-.0039

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4668.4	113270.	9587.6
Stddev	3.4	224.	6.0
%RSD	.07332	.19772	.06211
#1	4670.8	113430.	9583.4
#2	4666.0	113120.	9591.8

Zoom In Zoom Out

Sample Name: MC27047-1 Acquired: 12/16/2013 18:34:40 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0005**	**.0401**	**.0003**	**.0005**	**.2534**	**.1262**	**.0001**	**72.01**	**.0002**
Stddev	.0002	.0127	.0004	.0006	.0005	.0000	.0000	.05	.0000
%RSD	38.14	31.62	137.0	123.4	.1780	.0319	29.62	.0657	2.195
#1	.0003	.0311	.0006	.0010	.2531	.1262	.0001	72.04	.0002
#2	.0006	.0490	.0000	.0001	.2538	.1262	.0001	71.97	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**.0011**	**.0026**	**.0032**	**2.257**	**25.77**	**2.722**	**.0002**	**112.0**
Stddev	.0001	.0001	.0001	.0007	.051	.01	.009	.0001	.0
%RSD	33.89	14.22	4.918	22.53	2.247	.0541	.3335	33.87	.0411
#1	-.0003	.0009	.0027	.0037	2.221	25.76	2.716	.0003	112.1
#2	-.0002	.0012	.0025	.0027	2.293	25.78	2.728	.0002	112.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0009**	**-.0012**	**-.0046**	**-.0110**	**6.424**	**-.0004**	**.0010**	**10.04**	**-.0005**
Stddev	.0001	.0006	.0000	.0003	.008	.0002	.0000	.01	.0001
%RSD	15.09	48.63	.2495	3.166	.1259	60.37	3.108	.1018	18.93
#1	.0010	-.0008	-.0046	-.0107	6.429	-.0005	.0009	10.04	-.0005
#2	.0008	-.0016	-.0046	-.0112	6.418	-.0002	.0010	10.05	-.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3515**	**.0007**	**.0000**	**.0023**	**-.0002**	**.0055**	**-.0584**
Stddev	.0002	.0001	.0012	.0002	.0034	.0001	.0000
%RSD	.0470	15.68	2900.	6.598	1575.	1.703	.0630
#1	.3514	.0006	.0009	.0024	-.0026	.0055	-.0584
#2	.3516	.0008	-.0008	.0022	.0022	.0054	-.0584

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4580.2**	**111890.**	**9650.3**
Stddev	.5	297.	16.6
%RSD	.01177	.26521	.17238
#1	4579.8	112100.	9638.5
#2	4580.6	111680.	9662.1

Zoom In Zoom Out

Sample Name: MC27047-2 Acquired: 12/16/2013 18:39:32 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**.2877**	**.0005**	**-.0019**	**.4701**	**.1323**	**.0000**	**84.54**	**.0004**
Stddev	.0001	.0277	.0007	.0008	.0082	.0003	.000	.05	.0000
%RSD	57.30	9.617	143.3	39.47	1.749	.2549	107.8	.0614	13.80
#1	.0002	.2681	.0010	-.0025	.4642	.1325	.0000	84.50	.0003
#2	.0001	.3072	.0000	-.0014	.4759	.1320	.0000	84.58	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0003**	**.0078**	**.0025**	**.1981**	**4.144**	**2.031**	**.0143**	**.0142**	**29.16**
Stddev	.0001	.0002	.0001	.0009	.054	.001	.0003	.0002	.06
%RSD	33.51	2.218	5.207	.4767	1.301	.0302	2.067	1.315	.2095
#1	-.0002	.0079	.0026	.1975	4.182	2.031	.0141	.0141	29.12
#2	-.0003	.0077	.0024	.1988	4.106	2.031	.0145	.0144	29.21

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0009**	**.0042**	**-.0050**	**.0014**	**5.798**	**.0011**	**.0008**	**4.275**	**.0000**
Stddev	.0001	.0007	.0008	.0042	.102	.0004	.0000	.071	.0000
%RSD	9.273	17.90	15.29	301.4	1.761	37.14	2.683	1.653	83.26
#1	.0009	.0037	-.0055	.0044	5.726	.0008	.0008	4.225	.0000
#2	.0008	.0047	-.0044	-.0016	5.871	.0014	.0008	4.325	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.8296**	**.0024**	**-.0023**	**.0043**	**.0035**	**.0205**	**-.0258**
Stddev	.0027	.0001	.0001	.0003	.0030	.0004	.0006
%RSD	.3238	3.941	2.223	8.014	85.46	1.846	2.421
#1	.8277	.0025	-.0023	.0040	.0014	.0202	-.0254
#2	.8315	.0024	-.0023	.0045	.0056	.0207	-.0263

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4613.1**	**111190.**	**9511.2**
Stddev	67.4	316.	2.5
%RSD	1.4602	.28417	.02661
#1	4660.7	111420.	9513.0
#2	4565.4	110970.	9509.4

Zoom In Zoom Out

Sample Name: MC27047-2F Acquired: 12/16/2013 18:44:25 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**.0349**	**.0003**	**-.0013**	**.4810**	**.1086**	**.0000**	**61.75**	**.0002**
Stddev	.0002	.0094	.0013	.0009	.0000	.0011	.000	1.01	.0000
%RSD	90.59	27.02	478.7	68.15	.0052	1.056	678.1	1.639	27.06
#1	.0004	.0282	-.0006	-.0006	.4810	.1078	.0000	61.03	.0001
#2	.0001	.0416	.0012	-.0019	.4811	.1094	.0000	62.46	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**.0070**	**.0015**	**.0077**	**4.155**	**.1210**	**.0002**	**.0142**	**29.22**
Stddev	.0001	.0001	.0005	.0024	.080	.0134	.0000	.0001	.61
%RSD	58.18	1.880	34.50	30.96	1.931	11.10	12.29	.5346	2.080
#1	-.0001	.0069	.0019	.0094	4.098	.1115	.0001	.0142	28.79
#2	-.0002	.0071	.0011	.0060	4.212	.1304	.0002	.0143	29.65

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0006**	**-.0006**	**-.0033**	**.0031**	**5.942**	**.0009**	**.0010**	**2.849**	**-.0002**
Stddev	.0000	.0003	.0001	.0002	.001	.0000	.0003	.002	.0001
%RSD	3.269	47.80	2.729	6.428	.0142	.1513	32.67	.0565	60.62
#1	.0007	-.0004	-.0032	.0033	5.941	.0009	.0007	2.848	-.0003
#2	.0006	-.0008	-.0033	.0030	5.942	.0009	.0012	2.851	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.6930**	**.0003**	**-.0005**	**.0023**	**.0048**	**.0120**	**-.0187**
Stddev	.0126	.0003	.0004	.0001	.0038	.0000	.0004
%RSD	1.812	138.7	84.09	2.618	78.82	.1096	2.042
#1	.6842	.0005	-.0008	.0023	.0021	.0120	-.0190
#2	.7019	.0000	-.0002	.0022	.0075	.0120	-.0184

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4653.4**	**113840.**	**9494.2**
Stddev	1.4	914.	75.9
%RSD	.03014	.80333	.79966
#1	4654.4	114480.	9547.9
#2	4652.4	113190.	9440.5

Zoom In Zoom Out

Sample Name: MC27047-3 Acquired: 12/16/2013 18:49:20 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**.3037**	**.0018**	**-.0016**	**.9501**	**.1435**	**.0001**	**26.53**	**.0002**
Stddev	.0001	.0041	.0002	.0012	.0029	.0005	.0001	.06	.0000
%RSD	47.08	1.313	10.68	73.78	.3030	.3800	226.3	.2373	14.65
#1	.0002	.3065	.0017	-.0024	.9522	.1431	.0000	26.48	.0002
#2	.0004	.3009	.0020	-.0007	.9481	.1439	.0001	26.57	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**.0010**	**.0007**	**.3036**	**1.175**	**13.49**	**.0568**	**.0032**	**21.28**
Stddev	.0000	.0003	.0001	.0058	.009	.00	.0001	.0000	.04
%RSD	19.89	29.47	11.59	1.926	.7443	.0158	.1604	1.144	.2017
#1	-.0002	.0008	.0007	.3077	1.182	13.49	.0569	.0033	21.25
#2	-.0001	.0012	.0008	.2994	1.169	13.49	.0568	.0032	21.31

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0005**	**-.0005**	**-.0009**	**.0026**	**4.790**	**.0000**	**.0009**	**7.933**	**-.0003**
Stddev	.0001	.0001	.0000	.0042	.032	.000	.0013	.006	.0001
%RSD	25.18	27.95	2.401	160.1	.6639	1106.	147.4	.0761	35.30
#1	.0004	-.0006	-.0009	.0055	4.812	-.0003	.0018	7.929	-.0004
#2	.0006	-.0004	-.0009	-.0003	4.767	.0002	.0000	7.938	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3482**	**.0145**	**-.0006**	**.0009**	**-.0004**	**.0183**	**-.0465**
Stddev	.0004	.0031	.0001	.0002	.0001	.0000	.0000
%RSD	.1056	21.47	11.24	20.89	32.28	.2624	.1060
#1	.3479	.0123	-.0006	.0008	-.0003	.0184	-.0465
#2	.3484	.0166	-.0007	.0010	-.0005	.0183	-.0466

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4644.7**	**113030.**	**9663.0**
Stddev	11.8	113.	44.7
%RSD	.25333	.09998	.46223
#1	4636.4	113110.	9694.6
#2	4653.0	112950.	9631.4

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/16/2013 18:54:12 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2430**	**10.02**	**1.998**	**-.0019**	**2.031**	**1.990**	**1.968**	**9.861**	**1.975**
Stddev	.0005	.01	.004	.0002	.004	.013	.002	.003	.001
%RSD	.2147	.0515	.1790	11.05	.1841	.6603	.1177	.0285	.0533
#1	.2426	10.03	1.996	-.0020	2.028	1.999	1.970	9.859	1.974
#2	.2434	10.02	2.001	-.0017	2.034	1.981	1.967	9.862	1.976

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.064**	**1.931**	**1.966**	**9.863**	**9.936**	**9.929**	**1.992**	**1.980**	**9.932**
Stddev	.003	.004	.008	.017	.127	.003	.000	.006	.051
%RSD	.1282	.1844	.3857	.1757	1.274	.0260	.0083	.3177	.5124
#1	2.062	1.934	1.972	9.875	9.846	9.931	1.992	1.976	9.896
#2	2.066	1.929	1.961	9.851	10.03	9.928	1.992	1.985	9.968

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.929**	**1.985**	**.0002**	**-.0074**	**-.0003**	**2.024**	**2.005**	**.0125**	**1.970**
Stddev	.001	.000	.0022	.0022	.0010	.005	.004	.0002	.003
%RSD	.0622	.0177	913.1	30.33	286.7	.2498	.1772	1.454	.1703
#1	1.928	1.985	-.0013	-.0058	-.0010	2.021	2.002	.0124	1.968
#2	1.929	1.986	.0018	-.0089	.0003	2.028	2.007	.0126	1.973

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.952**	**1.920**	**2.026**	**1.913**	**-.0090**	**1.953**	**-.0089**
Stddev	.004	.001	.004	.001	.0008	.001	.0002
%RSD	.2264	.0730	.1726	.0267	8.485	.0518	2.076
#1	1.955	1.921	2.023	1.912	-.0085	1.952	-.0090
#2	1.949	1.919	2.028	1.913	-.0096	1.954	-.0088

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4691.8**	**113260.**	**9540.5**
Stddev	6.0	203.	16.4
%RSD	.12699	.17916	.17155
#1	4696.0	113410.	9552.1
#2	4687.6	113120.	9528.9

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/16/2013 18:58:58 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**-.0019**	**.0001**	**-.0010**	**.0018**	**.0001**	**.0001**	**.0011**	**.0002**
Stddev	.0002	.0079	.0009	.0005	.0001	.0001	.0000	.0013	.0002
%RSD	448.7	416.1	731.1	49.07	3.695	74.97	2.259	125.4	91.39
#1	-.0001	.0037	.0007	-.0006	.0017	.0002	.0001	.0001	.0001
#2	.0002	-.0075	-.0005	-.0013	.0018	.0001	.0001	.0020	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0005**	**.0000**	**.0029**	**-.0135**	**.0023**	**.0000**	**.0031**	**.1545**
Stddev	.0001	.0001	.000	.0016	.0255	.0298	.0000	.0005	.0150
%RSD	624.2	14.18	245.5	56.15	188.7	1287.	22.88	15.93	9.683
#1	-.0001	.0004	-.0001	.0041	.0045	.0234	.0000	.0035	.1651
#2	.0001	.0005	.0000	.0018	-.0315	-.0188	.0000	.0028	.1439

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0005**	**.0003**	**.0009**	**.0025**	**.0012**	**.0004**	**.0009**	**.0027**	**.0004**
Stddev	.0002	.0004	.0006	.0005	.0012	.0001	.0005	.0001	.0002
%RSD	51.01	116.6	64.53	18.07	98.57	16.94	59.17	3.602	40.62
#1	.0003	.0006	.0012	.0029	.0021	.0003	.0013	.0026	.0005
#2	.0006	.0001	.0005	.0022	.0004	.0004	.0005	.0028	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0000**	**.0013**	**.0002**	**.0007**	**.0001**	**-.0026**
Stddev	.0000	.0000	.0003	.0002	.0025	.0001	.0000
%RSD	10.03	19.02	19.81	88.33	375.6	76.90	.8732
#1	.0001	.0001	.0015	.0001	.0024	.0000	-.0026
#2	.0001	.0000	.0011	.0003	-.0011	.0002	-.0026

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4750.0**	**114850.**	**9746.4**
Stddev	86.3	827.	771.5
%RSD	1.8163	.71974	7.9162
#1	4811.0	115440.	9200.8
#2	4689.0	114270.	10292.

Zoom In Zoom Out

Sample Name: MC27047-4 Acquired: 12/16/2013 19:03:55 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0008**	**.0731**	**.0000**	**-.0025**	**.5718**	**.2316**	**.0000**	**154.8**	**.0003**
Stddev	.0004	.0044	.001	.0001	.0011	.0020	.0001	1.9	.0000
%RSD	44.54	5.959	5964.	3.628	.1898	.8478	671.9	1.252	8.158
#1	.0011	.0762	.0005	-.0026	.5726	.2302	.0001	153.5	.0003
#2	.0005	.0700	-.0006	-.0024	.5711	.2329	.0000	156.2	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0004**	**.0005**	**.0017**	**.0341**	**1.119**	**63.63**	**.3096**	**.0027**	**64.09**
Stddev	.0001	.0000	.0001	.0032	.014	.96	.0005	.0001	.72
%RSD	19.66	9.046	7.450	9.418	1.276	1.502	.1566	4.880	1.124
#1	.0004	.0005	.0018	.0363	1.129	62.95	.3092	.0028	63.58
#2	.0003	.0005	.0016	.0318	1.108	64.30	.3099	.0026	64.60

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0022**	**-.0009**	**-.0086**	**-.0022**	**12.41**	**.0004**	**.0014**	**13.06**	**-.0004**
Stddev	.0001	.0001	.0005	.0045	.00	.0007	.0005	.01	.0003
%RSD	2.744	9.000	6.019	198.3	.0320	162.8	33.14	.0988	73.76
#1	.0022	-.0008	-.0082	-.0054	12.41	.0009	.0017	13.05	-.0006
#2	.0022	-.0009	-.0090	.0009	12.40	-.0001	.0010	13.07	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.6492**	**.0024**	**-.0010**	**.0032**	**-.0026**	**.0125**	**-.0745**
Stddev	.0045	.0000	.0005	.0002	.0029	.0001	.0002
%RSD	.6913	.5645	53.40	7.322	113.8	.7472	.2784
#1	.6460	.0024	-.0014	.0030	-.0047	.0125	-.0744
#2	.6524	.0024	-.0006	.0033	-.0005	.0126	-.0747

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4471.9**	**109650.**	**9542.2**
Stddev	8.0	212.	106.8
%RSD	.17826	.19365	1.1197
#1	4477.6	109500.	9617.8
#2	4466.3	109800.	9466.6

Zoom In Zoom Out

Sample Name: MC27047-5 Acquired: 12/16/2013 19:08:48 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0008**	**3.243**	**-.0001**	**-.0025**	**.3708**	**.2709**	**.0001**	**145.6**	**.0003**
Stddev	.0005	.072	.0005	.0009	.0000	.0029	.0001	.4	.0001
%RSD	59.96	2.213	599.7	35.80	.0033	1.082	45.69	.2794	29.45
#1	.0011	3.294	-.0004	-.0019	.3708	.2730	.0001	145.9	.0003
#2	.0004	3.192	.0002	-.0032	.3708	.2688	.0002	145.3	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0017**	**.0042**	**.0091**	**3.134**	**1.913**	**52.13**	**.2158**	**.0009**	**47.95**
Stddev	.0001	.0002	.0004	.019	.056	.25	.0002	.0001	.09
%RSD	7.577	5.003	4.631	.5998	2.934	.4788	.0787	6.814	.1921
#1	.0017	.0044	.0088	3.147	1.953	52.31	.2157	.0009	48.02
#2	.0016	.0041	.0094	3.121	1.874	51.96	.2159	.0008	47.89

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0046**	**.0005**	**-.0060**	**-.0019**	**9.945**	**.0001**	**.0000**	**20.14**	**-.0003**
Stddev	.0000	.0006	.0012	.0010	.016	.0008	.000	.01	.0000
%RSD	.7307	122.3	19.55	49.73	.1602	874.3	1019.	.0607	11.51
#1	.0046	.0009	-.0068	-.0026	9.934	.0006	.0001	20.15	-.0003
#2	.0046	.0001	-.0051	-.0012	9.956	-.0005	-.0001	20.13	-.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5863**	**.1424**	**-.0004**	**.0093**	**-.0011**	**.0231**	**-.1118**
Stddev	.0008	.0123	.0001	.0002	.0063	.0001	.0010
%RSD	.1315	8.647	28.27	2.198	570.5	.2670	.8544
#1	.5868	.1337	-.0003	.0094	-.0056	.0232	-.1125
#2	.5857	.1511	-.0005	.0091	.0034	.0231	-.1111

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4516.5**	**111110.**	**9524.6**
Stddev	3.7	300.	28.3
%RSD	.08292	.26974	.29753
#1	4519.2	110900.	9504.6
#2	4513.9	111320.	9544.6

Zoom In Zoom Out

Sample Name: MC27047-8 Acquired: 12/16/2013 19:13:40 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.0443**	**.0007**	**.0001**	**.3499**	**.2426**	**-.0001**	**161.6**	**.0002**
Stddev	.0000	.0431	.0003	.0005	.0002	.0025	.0000	.6	.0000
%RSD	.5312	97.37	52.48	333.8	.0667	1.011	8.199	.3606	2.561
#1	.0004	.0138	.0004	.0005	.3501	.2409	-.0001	161.2	.0002
#2	.0004	.0747	.0009	-.0002	.3497	.2443	-.0001	162.0	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0020**	**.0005**	**.0008**	**.1406**	**1.413**	**57.25**	**2.531**	**.0017**	**68.47**
Stddev	.0000	.0002	.0001	.0019	.026	.42	.008	.0000	.03
%RSD	1.544	33.35	10.58	1.371	1.851	.7385	.3041	2.152	.0382
#1	.0019	.0003	.0008	.1420	1.431	56.95	2.536	.0017	68.46
#2	.0020	.0006	.0009	.1392	1.394	57.55	2.525	.0018	68.49

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0038**	**-.0009**	**-.0087**	**-.0055**	**12.22**	**-.0007**	**.0007**	**13.85**	**-.0005**
Stddev	.0001	.0003	.0003	.0013	.02	.0001	.0010	.01	.0000
%RSD	2.674	39.72	3.347	23.61	.1466	16.66	139.2	.0891	3.313
#1	.0038	-.0011	-.0089	-.0046	12.21	-.0008	.0000	13.84	-.0005
#2	.0039	-.0006	-.0085	-.0064	12.23	-.0007	.0014	13.86	-.0005

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.6850**	**.0015**	**-.0008**	**.0010**	**.0006**	**.0051**	**-.0790**
Stddev	.0006	.0001	.0005	.0003	.0020	.0000	.0005
%RSD	.0897	7.406	68.14	29.51	341.4	.8841	.5999
#1	.6846	.0014	-.0012	.0008	-.0008	.0051	-.0786
#2	.6854	.0016	-.0004	.0012	.0020	.0051	-.0793

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4466.8**	**109730.**	**9540.6**
Stddev	1.2	520.	7.3
%RSD	.02751	.47387	.07641
#1	4465.9	109360.	9545.8
#2	4467.6	110100.	9535.5

Zoom In Zoom Out

Sample Name: MC27056-1 Acquired: 12/16/2013 19:18:34 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**1.312**	**.0116**	**-.0011**	**.1361**	**.0702**	**.0001**	**84.91**	**.0001**
Stddev	.0000	.019	.0014	.0005	.0007	.0001	.0000	.01	.0000
%RSD	8.129	1.442	11.77	40.84	.5324	.1554	59.40	.0155	16.14
#1	.0004	1.326	.0107	-.0008	.1356	.0702	.0000	84.90	.0001
#2	.0004	1.299	.0126	-.0015	.1367	.0701	.0001	84.92	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0010**	**.0034**	**.0024**	**8.107**	**3.334**	**14.84**	**.5887**	**.0045**	**95.19**
Stddev	.0001	.0004	.0002	.032	.048	.05	.0000	.0001	.10
%RSD	8.879	12.83	9.939	.3987	1.448	.3307	.0051	2.396	.1054
#1	.0011	.0037	.0025	8.084	3.368	14.80	.5888	.0045	95.27
#2	.0010	.0031	.0022	8.130	3.300	14.87	.5887	.0044	95.12

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0022**	**.0039**	**-.0036**	**.0018**	**F 20.66**	**.0005**	**.0008**	**10.51**	**-.0002**
Stddev	.0001	.0001	.0008	.0009	.03	.0005	.0005	.06	.0000
%RSD	3.933	2.820	23.34	49.85	.1600	89.02	65.21	.5525	7.599
#1	.0021	.0038	-.0030	.0024	20.64	.0002	.0012	10.47	-.0001
#2	.0022	.0040	-.0042	.0011	20.69	.0009	.0004	10.55	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1541**	**.0364**	**-.0013**	**.0031**	**.0006**	**.0195**	**-.0586**
Stddev	.0003	.0001	.0002	.0002	.0011	.0002	.0010
%RSD	.2100	.3375	11.63	6.194	182.1	.8312	1.782
#1	.1543	.0363	-.0012	.0030	-.0002	.0197	-.0579
#2	.1539	.0365	-.0014	.0032	.0014	.0194	-.0594

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4547.2**	**111740.**	**9500.0**
Stddev	.6	446.	64.9
%RSD	.01355	.39942	.68363
#1	4547.6	111430.	9454.0
#2	4546.8	112060.	9545.9

Zoom In Zoom Out

Sample Name: MC27056-10 Acquired: 12/16/2013 19:23:26 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0006**	**1.711**	**.0015**	**-.0006**	**.1642**	**.0493**	**.0001**	**111.9**	**.0003**
Stddev	.0001	.058	.0015	.0003	.0019	.0006	.0000	1.0	.0001
%RSD	19.78	3.374	99.68	51.15	1.154	1.311	25.27	.9124	18.76
#1	.0005	1.752	.0025	-.0008	.1628	.0497	.0002	112.7	.0003
#2	.0006	1.670	.0004	-.0004	.1655	.0488	.0001	111.2	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0042**	**.0040**	**.0056**	**2.020**	**4.657**	**17.69**	**.7235**	**.0045**	**181.3**
Stddev	.0001	.0005	.0003	.014	.046	.05	.0137	.0000	2.9
%RSD	1.715	12.58	5.495	.6775	.9898	.2569	1.897	.7894	1.607
#1	.0042	.0043	.0054	2.010	4.689	17.72	.7138	.0045	183.4
#2	.0041	.0036	.0058	2.030	4.624	17.65	.7332	.0045	179.3

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0046**	**.0457**	**-.0060**	**-.0034**	**F 19.33**	**.0003**	**.0030**	**9.753**	**.0035**
Stddev	.0000	.0011	.0001	.0006	.22	.0001	.0004	.129	.0003
%RSD	.9962	2.386	1.688	18.76	1.140	34.53	13.28	1.322	8.184
#1	.0046	.0449	-.0059	-.0038	19.17	.0004	.0027	9.662	.0033
#2	.0046	.0465	-.0061	-.0029	19.48	.0002	.0032	9.844	.0037

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1696**	**.0733**	**-.0005**	**.0039**	**.0023**	**.0554**	**-.0538**
Stddev	.0001	.0069	.0001	.0000	.0012	.0006	.0004
%RSD	.0484	9.420	18.86	.1514	52.28	1.092	.8033
#1	.1696	.0684	-.0004	.0039	.0015	.0550	-.0534
#2	.1695	.0781	-.0006	.0039	.0032	.0558	-.0541

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4496.6**	**111220.**	**9693.2**
Stddev	46.6	1631.	44.4
%RSD	1.0369	1.4665	.45777
#1	4529.6	112380.	9661.8
#2	4463.6	110070.	9724.6

Zoom In Zoom Out

Sample Name: MC27056-11 Acquired: 12/16/2013 19:28:22 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0006**	**1.540**	**.0086**	**-.0025**	**.2274**	**.0881**	**.0001**	**95.41**	**.0002**
Stddev	.0000	.025	.0011	.0013	.0002	.0006	.0001	.08	.0001
%RSD	6.233	1.650	13.05	51.51	.1045	.7050	158.4	.0855	48.79
#1	.0006	1.522	.0078	-.0016	.2272	.0876	.0002	95.47	.0001
#2	.0005	1.558	.0094	-.0033	.2275	.0885	.0000	95.35	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0004**	**.0032**	**.0065**	**11.87**	**6.794**	**18.56**	**.1925**	**.0012**	**217.2**
Stddev	.0000	.0001	.0001	.03	.004	.15	.0006	.0000	3.3
%RSD	11.53	4.393	1.537	.2601	.0631	.8161	.3181	1.812	1.542
#1	.0004	.0031	.0064	11.85	6.791	18.67	.1929	.0013	214.9
#2	.0004	.0033	.0066	11.89	6.797	18.46	.1921	.0012	219.6

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0017**	**.0043**	**-.0027**	**.0011**	**5.559**	**.0001**	**.0015**	**15.22**	**-.0002**
Stddev	.0002	.0002	.0010	.0042	.002	.0009	.0007	.00	.0000
%RSD	12.89	5.437	37.78	367.5	.0304	1079.	48.42	.0098	11.39
#1	.0015	.0041	-.0034	-.0018	5.558	.0007	.0010	15.21	-.0002
#2	.0019	.0045	-.0020	.0041	5.560	-.0005	.0021	15.22	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2302**	**.0565**	**-.0006**	**.0042**	**.0027**	**.0400**	**-.0811**
Stddev	.0007	.0021	.0003	.0001	.0003	.0000	.0006
%RSD	.3246	3.775	54.95	1.332	11.68	.0601	.6832
#1	.2296	.0550	-.0009	.0042	.0030	.0400	-.0807
#2	.2307	.0580	-.0004	.0043	.0025	.0400	-.0815

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4492.9**	**109420.**	**9513.2**
Stddev	2.8	218.	7.7
%RSD	.06307	.19942	.08075
#1	4494.9	109270.	9507.7
#2	4490.9	109570.	9518.6

Zoom In Zoom Out

Sample Name: MC27056-12 Acquired: 12/16/2013 19:33:20 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0005**	**.6736**	**.0018**	**-.0019**	**.1717**	**.1024**	**.0000**	**122.0**	**.0002**
Stddev	.0005	.0137	.0007	.0004	.0006	.0006	.0000	.2	.0001
%RSD	102.6	2.030	36.10	18.34	.3354	.6246	64.48	.1951	32.43
#1	.0008	.6639	.0023	-.0017	.1721	.1029	.0001	121.8	.0002
#2	.0001	.6832	.0013	-.0022	.1713	.1020	.0000	122.1	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0003**	**.0030**	**.0018**	**4.235**	**7.532**	**27.31**	**.4286**	**.0006**	**104.1**
Stddev	.0002	.0002	.0005	.020	.066	.03	.0020	.0001	.2
%RSD	63.76	7.751	26.94	.4606	.8735	.1104	.4687	11.24	.1889
#1	.0004	.0031	.0015	4.249	7.485	27.29	.4272	.0005	104.0
#2	.0002	.0028	.0022	4.221	7.578	27.33	.4300	.0006	104.2

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0016**	**.0055**	**-.0055**	**-.0017**	**7.998**	**-.0006**	**.0012**	**10.28**	**-.0002**
Stddev	.0001	.0004	.0014	.0033	.006	.0005	.0009	.01	.0002
%RSD	5.932	7.770	24.52	196.0	.0811	81.70	77.04	.1201	90.45
#1	.0015	.0058	-.0065	-.0040	7.994	-.0003	.0006	10.29	-.0004
#2	.0017	.0052	-.0046	.0006	8.003	-.0010	.0019	10.27	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2542**	**.0218**	**-.0014**	**.0035**	**.0010**	**.0283**	**-.0576**
Stddev	.0005	.0033	.0001	.0002	.0004	.0000	.0007
%RSD	.1829	15.16	7.908	6.992	44.19	.0177	1.149
#1	.2538	.0242	-.0013	.0033	.0007	.0283	-.0580
#2	.2545	.0195	-.0015	.0037	.0013	.0283	-.0571

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4531.6**	**111080.**	**9615.0**
Stddev	9.1	565.	31.3
%RSD	.20000	.50822	.32517
#1	4525.2	111470.	9637.1
#2	4538.0	110680.	9592.9

Zoom In Zoom Out

Sample Name: MC27056-2 Acquired: 12/16/2013 19:38:11 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.7432**	**.0039**	**-.0009**	**.2385**	**.1067**	**.0001**	**157.4**	**.0002**
Stddev	.0001	.0036	.0004	.0017	.0000	.0005	.0000	.3	.0000
%RSD	19.72	.4783	9.879	186.0	.0188	.5029	1.772	.1932	13.92
#1	.0005	.7457	.0036	-.0022	.2385	.1063	.0001	157.2	.0002
#2	.0004	.7407	.0042	.0003	.2385	.1070	.0001	157.6	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0007**	**.0056**	**.0154**	**5.537**	**8.448**	**32.55**	**.9910**	**.0015**	**118.1**
Stddev	.0001	.0001	.0004	.013	.005	.20	.0093	.0001	.2
%RSD	19.08	1.676	2.845	.2358	.0618	.6023	.9355	6.075	.1799
#1	.0006	.0056	.0157	5.528	8.452	32.41	.9976	.0016	118.3
#2	.0007	.0057	.0151	5.546	8.445	32.69	.9845	.0014	118.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0031**	**.0164**	**-.0084**	**-.0025**	**5.105**	**.0006**	**.0015**	**9.340**	**.0001**
Stddev	.0001	.0000	.0011	.0007	.006	.0002	.0006	.001	.0000
%RSD	1.840	.1742	13.45	28.71	.1125	32.31	37.84	.0070	15.36
#1	.0031	.0164	-.0076	-.0031	5.109	.0007	.0011	9.339	.0001
#2	.0031	.0164	-.0092	-.0020	5.101	.0004	.0019	9.340	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3348**	**.0273**	**-.0005**	**.0040**	**.0024**	**.1017**	**-.0528**
Stddev	.0001	.0008	.0016	.0001	.0024	.0003	.0004
%RSD	.0405	2.971	313.2	3.208	97.76	.3067	.7051
#1	.3348	.0279	-.0017	.0039	.0041	.1014	-.0525
#2	.3347	.0267	.0006	.0041	.0008	.1019	-.0530

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4533.1**	**111400.**	**9640.2**
Stddev	4.5	609.	6.6
%RSD	.09929	.54663	.06872
#1	4536.3	110970.	9635.5
#2	4529.9	111830.	9644.9

Zoom In Zoom Out

Sample Name: MC27056-3 Acquired: 12/16/2013 19:43:04 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0006**	**.1762**	**.0017**	**-.0005**	**.2549**	**.0686**	**.0000**	**91.99**	**.0003**
Stddev	.0000	.0038	.0011	.0008	.0009	.0001	.000	.31	.0001
%RSD	8.498	2.151	64.77	174.8	.3340	.2150	458.3	.3416	22.85
#1	.0006	.1735	.0009	.0001	.2543	.0687	-.0001	91.76	.0003
#2	.0005	.1789	.0025	-.0010	.2555	.0685	.0000	92.21	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0012**	**.0010**	**.7935**	**4.451**	**17.73**	**.1288**	**.0043**	**87.28**
Stddev	.0001	.0001	.0005	.0012	.001	.10	.0005	.0001	.22
%RSD	63.44	4.806	50.07	.1494	.0223	.5458	.3702	1.489	.2566
#1	-.0002	.0012	.0007	.7927	4.451	17.66	.1291	.0043	87.13
#2	-.0001	.0011	.0014	.7944	4.452	17.80	.1285	.0042	87.44

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0021**	**.0010**	**-.0052**	**.0039**	**16.46**	**.0008**	**.0071**	**9.493**	**-.0004**
Stddev	.0001	.0005	.0006	.0001	.03	.0011	.0003	.048	.0001
%RSD	6.235	48.00	11.03	3.433	.1980	145.9	4.536	.5008	34.44
#1	.0020	.0013	-.0048	.0038	16.44	.0016	.0068	9.459	-.0004
#2	.0022	.0007	-.0057	.0040	16.49	.0000	.0073	9.526	-.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1787**	**.0032**	**-.0010**	**.0040**	**.0008**	**.1012**	**-.0546**
Stddev	.0017	.0002	.0005	.0006	.0003	.0001	.0005
%RSD	.9506	7.405	48.97	14.64	44.07	.1479	.9098
#1	.1775	.0034	-.0013	.0045	.0010	.1011	-.0543
#2	.1799	.0030	-.0006	.0036	.0005	.1013	-.0550

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4556.1**	**111350.**	**9594.7**
Stddev	10.5	237.	22.8
%RSD	.22947	.21310	.23741
#1	4563.5	111180.	9578.6
#2	4548.7	111520.	9610.8

Zoom In Zoom Out

Sample Name: MC27056-4 Acquired: 12/16/2013 19:47:54 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.6002**	**.0015**	**-.0016**	**.1704**	**.1119**	**.0001**	**130.3**	**.0002**
Stddev	.0002	.0111	.0005	.0011	.0003	.0003	.0000	.1	.0000
%RSD	50.99	1.848	33.65	69.10	.1993	.3042	40.92	.1103	24.19
#1	.0003	.6080	.0011	-.0008	.1702	.1117	.0001	130.4	.0002
#2	.0006	.5923	.0018	-.0023	.1706	.1122	.0001	130.2	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0026**	**.0021**	**3.433**	**7.974**	**29.08**	**.4342**	**.0006**	**112.4**
Stddev	.0002	.0001	.0001	.037	.031	.05	.0000	.0001	.3
%RSD	74.92	2.668	2.971	1.065	.3926	.1825	.0055	11.74	.2484
#1	.0004	.0025	.0021	3.407	7.996	29.12	.4342	.0005	112.5
#2	.0001	.0026	.0022	3.459	7.952	29.05	.4342	.0006	112.2

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0016**	**.0035**	**-.0060**	**.0021**	**10.26**	**-.0006**	**.0011**	**9.382**	**-.0003**
Stddev	.0000	.0002	.0004	.0007	.01	.0001	.0012	.005	.0002
%RSD	2.669	5.491	6.088	35.13	.1216	10.19	109.0	.0555	72.26
#1	.0016	.0037	-.0063	.0027	10.27	-.0007	.0019	9.378	-.0002
#2	.0016	.0034	-.0057	.0016	10.25	-.0006	.0002	9.385	-.0005

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2701**	**.0177**	**-.0015**	**.0027**	**.0014**	**.0236**	**-.0530**
Stddev	.0017	.0007	.0005	.0004	.0001	.0001	.0001
%RSD	.6179	3.735	34.03	14.68	4.905	.5155	.1295
#1	.2689	.0172	-.0011	.0029	.0013	.0235	-.0531
#2	.2713	.0181	-.0019	.0024	.0014	.0237	-.0530

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4492.2**	**110340.**	**9589.7**
Stddev	4.5	129.	125.6
%RSD	.10008	.11679	1.3097
#1	4495.4	110250.	9500.9
#2	4489.1	110430.	9678.5

Sample Name: CCV Acquired: 12/16/2013 19:52:45 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2412**	**9.917**	**2.002**	**-.0019**	**2.031**	**1.962**	**1.954**	**9.788**	**1.962**
Stddev	.0001	.004	.003	.0002	.006	.008	.002	.002	.003
%RSD	.0261	.0430	.1315	11.28	.3035	.4190	.0745	.0205	.1305
#1	.2412	9.914	2.003	-.0018	2.036	1.968	1.955	9.787	1.964
#2	.2412	9.920	2.000	-.0021	2.027	1.956	1.953	9.789	1.960

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.060**	**1.885**	**1.958**	**9.620**	**9.921**	**9.649**	**1.976**	**1.978**	**9.960**
Stddev	.003	.002	.013	.031	.062	.007	.006	.003	.013
%RSD	.1388	.1024	.6577	.3237	.6213	.0696	.3056	.1250	.1262
#1	2.062	1.887	1.949	9.598	9.877	9.654	1.972	1.976	9.951
#2	2.058	1.884	1.967	9.642	9.964	9.644	1.980	1.980	9.969

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.915**	**1.991**	**.0003**	**-.0086**	**.0001**	**2.021**	**2.011**	**.0152**	**1.971**
Stddev	.002	.007	.0008	.0028	.0022	.005	.005	.0011	.004
%RSD	.0917	.3629	299.1	32.36	2937.	.2485	.2281	7.037	.1753
#1	1.917	1.996	-.0003	-.0066	-.0015	2.024	2.015	.0160	1.973
#2	1.914	1.986	.0008	-.0106	.0017	2.017	2.008	.0144	1.969

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.928**	**1.884**	**2.026**	**1.878**	**-.0067**	**1.946**	**-.0090**
Stddev	.013	.001	.004	.007	.0003	.003	.0007
%RSD	.6580	.0770	.1832	.3614	4.379	.1357	8.071
#1	1.919	1.883	2.029	1.874	-.0069	1.948	-.0085
#2	1.937	1.885	2.024	1.883	-.0065	1.944	-.0095

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4701.0**	**114240.**	**9704.1**
Stddev	1.4	163.	45.2
%RSD	.03071	.14230	.46614
#1	4700.0	114120.	9672.1
#2	4702.1	114350.	9736.0

Sample Name: CCB Acquired: 12/16/2013 19:57:30 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**.0086**	**.0007**	**-.0011**	**.0015**	**-.0001**	**.0001**	**-.0039**	**.0000**
Stddev	.0000	.0141	.0000	.0002	.0001	.0002	.0001	.0003	.0001
%RSD	.0515	163.4	4.128	17.03	7.572	151.8	70.98	7.564	116.5
#1	.0003	-.0013	.0007	-.0013	.0016	.0000	.0000	-.0041	.0001
#2	.0003	.0186	.0007	-.0010	.0015	-.0003	.0001	-.0037	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0002**	**.0004**	**.0017**	**-.0071**	**-.0151**	**.0000**	**.0030**	**.2764**
Stddev	.000	.0001	.0001	.0012	.0020	.0309	.0000	.0007	.0348
%RSD	106.5	38.49	19.86	68.94	28.16	204.2	45.77	25.21	12.58
#1	-.0001	.0002	.0003	.0009	-.0057	-.0369	.0000	.0035	.3010
#2	.0000	.0003	.0004	.0025	-.0085	.0067	.0000	.0024	.2518

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0003**	**-.0003**	**-.0001**	**.0030**	**.0024**	**-.0001**	**.0002**	**.0032**	**.0001**
Stddev	.0001	.0005	.0006	.0010	.0004	.0003	.0004	.0005	.0001
%RSD	17.90	172.4	517.8	31.93	15.72	485.4	213.3	17.04	273.3
#1	.0004	-.0006	-.0005	.0036	.0027	.0002	.0005	.0028	.0001
#2	.0003	.0001	.0003	.0023	.0021	-.0003	-.0001	.0035	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0002**	**.0016**	**.0004**	**.0010**	**-.0002**	**-.0024**
Stddev	.000	.0002	.0007	.0004	.0008	.0000	.0002
%RSD	66.91	124.5	43.81	94.37	72.65	8.640	9.417
#1	.0000	.0000	.0020	.0007	.0005	-.0002	-.0023
#2	.0000	.0003	.0011	.0001	.0016	-.0001	-.0026

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4683.3**	**114500.**	**9742.7**
Stddev	8.7	536.	138.1
%RSD	.18581	.46781	1.4170
#1	4689.4	114120.	9645.1
#2	4677.1	114870.	9840.3

Sample Name: MC27056-5 Acquired: 12/16/2013 20:02:27 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**.8841**	**.0025**	**-.0014**	**.1467**	**.0728**	**.0000**	**94.31**	**.0002**
Stddev	.0001	.0101	.0003	.0003	.0003	.0004	.0000	.12	.0000
%RSD	33.76	1.140	11.84	20.74	.1833	.5384	52.74	.1323	17.19
#1	.0004	.8912	.0027	-.0012	.1465	.0731	.0001	94.22	.0002
#2	.0003	.8769	.0023	-.0016	.1469	.0725	.0000	94.40	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0006**	**.0020**	**.0012**	**3.519**	**7.326**	**21.62**	**.3855**	**.0025**	**97.44**
Stddev	.0001	.0000	.0003	.014	.044	.02	.0032	.0001	.25
%RSD	18.28	1.164	25.61	.3986	.6007	.0880	.8261	4.243	.2552
#1	.0007	.0020	.0014	3.509	7.358	21.60	.3877	.0026	97.26
#2	.0005	.0020	.0010	3.529	7.295	21.63	.3832	.0025	97.61

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0023**	**.0012**	**-.0047**	**.0015**	**F 22.71**	**.0001**	**.0006**	**8.795**	**-.0004**
Stddev	.0000	.0003	.0007	.0032	.01	.0000	.0002	.003	.0001
%RSD	1.026	27.34	14.49	215.0	.0426	54.46	38.26	.0350	21.96
#1	.0023	.0015	-.0051	-.0008	22.71	.0001	.0005	8.792	-.0003
#2	.0023	.0010	-.0042	.0038	22.70	.0001	.0008	8.797	-.0005

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1873**	**.0222**	**-.0008**	**.0026**	**.0013**	**.0214**	**-.0490**
Stddev	.0002	.0010	.0001	.0002	.0021	.0000	.0002
%RSD	.0853	4.576	13.14	7.227	166.4	.0063	.4923
#1	.1874	.0215	-.0008	.0025	.0027	.0214	-.0489
#2	.1872	.0229	-.0007	.0028	-.0002	.0214	-.0492

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4535.8**	**110710.**	**9551.4**
Stddev	.6	555.	1.4
%RSD	.01346	.50129	.01489
#1	4536.2	110320.	9550.4
#2	4535.4	111100.	9552.4

Sample Name: MC27056-6 Acquired: 12/16/2013 20:07:19 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0008**	**4.030**	**.0081**	**-.0011**	**.1142**	**.0777**	**.0002**	**95.66**	**.0003**
Stddev	.0003	.044	.0003	.0000	.0002	.0003	.0000	.13	.0001
%RSD	40.40	1.097	3.996	1.333	.1527	.4078	7.516	.1410	27.80
#1	.0006	3.999	.0083	-.0011	.1143	.0780	.0001	95.56	.0002
#2	.0010	4.062	.0078	-.0011	.1141	.0775	.0002	95.75	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0033**	**.0063**	**.0057**	**9.707**	**4.243**	**21.99**	**.3826**	**.0037**	**39.72**
Stddev	.0001	.0000	.0001	.012	.015	.10	.0009	.0001	.07
%RSD	2.442	.1197	.9581	.1197	.3521	.4736	.2325	2.718	.1642
#1	.0034	.0063	.0058	9.716	4.232	21.92	.3820	.0036	39.76
#2	.0032	.0063	.0057	9.699	4.253	22.07	.3833	.0038	39.67

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0047**	**.0185**	**-.0041**	**-.0010**	**F 25.04**	**.0035**	**.0015**	**17.47**	**.0001**
Stddev	.0001	.0002	.0004	.0033	.01	.0002	.0001	.26	.0000
%RSD	1.607	1.304	9.695	337.7	.0594	6.376	7.004	1.467	18.72
#1	.0047	.0183	-.0044	-.0033	25.05	.0034	.0016	17.66	.0001
#2	.0048	.0187	-.0038	.0013	25.03	.0037	.0015	17.29	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1552**	**.1083**	**-.0009**	**.0083**	**.0017**	**.0421**	**-.0946**
Stddev	.0013	.0009	.0004	.0001	.0003	.0001	.0000
%RSD	.8209	.8270	46.68	1.121	16.66	.2219	.0116
#1	.1561	.1090	-.0006	.0084	.0015	.0422	-.0946
#2	.1543	.1077	-.0012	.0083	.0019	.0421	-.0946

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4580.1**	**112210.**	**9609.2**
Stddev	2.9	208.	45.4
%RSD	.06262	.18542	.47241
#1	4578.0	112360.	9577.1
#2	4582.1	112070.	9641.3

Zoom In Zoom Out

Sample Name: MC27056-7 Acquired: 12/16/2013 20:12:08 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0005**	**.4259**	**.0033**	**-.0016**	**.1564**	**.0504**	**.0000**	**82.12**	**.0002**
Stddev	.0003	.0187	.0006	.0002	.0002	.0011	.0000	1.02	.0001
%RSD	56.14	4.387	18.56	14.84	.1529	2.151	295.7	1.244	47.77
#1	.0007	.4127	.0028	-.0018	.1562	.0512	.0000	82.84	.0003
#2	.0003	.4391	.0037	-.0015	.1565	.0497	.0000	81.39	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0016**	**.0013**	**8.503**	**1.408**	**15.40**	**.2567**	**.0012**	**8.530**
Stddev	.0001	.0001	.0001	.133	.008	.33	.0005	.0000	.077
%RSD	49.76	7.166	6.701	1.560	.5604	2.112	.2140	1.030	.8991
#1	.0001	.0016	.0014	8.597	1.414	15.63	.2563	.0012	8.584
#2	.0003	.0015	.0013	8.409	1.403	15.17	.2571	.0012	8.476

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0007**	**.0025**	**-.0030**	**.0006**	**16.17**	**-.0001**	**.0004**	**12.27**	**-.0001**
Stddev	.0002	.0008	.0003	.0000	.02	.0002	.0003	.01	.0001
%RSD	21.22	33.43	9.812	5.569	.1134	197.5	70.36	.0446	77.68
#1	.0008	.0019	-.0028	.0006	16.16	-.0002	.0006	12.26	-.0001
#2	.0006	.0031	-.0032	.0006	16.18	.0000	.0002	12.27	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2061**	**.0112**	**-.0003**	**.0033**	**-.0005**	**.0307**	**-.0699**
Stddev	.0021	.0001	.0008	.0002	.0003	.0000	.0001
%RSD	1.014	1.270	276.2	6.757	60.10	.1533	.1007
#1	.2076	.0113	.0003	.0034	-.0007	.0307	-.0699
#2	.2046	.0111	-.0009	.0031	-.0003	.0308	-.0700

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4582.0**	**113100.**	**9559.0**
Stddev	2.4	409.	139.9
%RSD	.05336	.36193	1.4640
#1	4580.3	113390.	9460.1
#2	4583.8	112810.	9658.0

Zoom In Zoom Out

Sample Name: MC27056-8 Acquired: 12/16/2013 20:17:00 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0008**	**.8378**	**.0194**	**-.0018**	**.2447**	**.0906**	**.0001**	**103.3**	**.0003**
Stddev	.0003	.0183	.0004	.0007	.0010	.0003	.0000	1.0	.0000
%RSD	36.27	2.184	1.893	41.01	.4013	.3656	1.894	.9660	14.04
#1	.0011	.8248	.0191	-.0023	.2440	.0904	.0001	102.6	.0003
#2	.0006	.8507	.0196	-.0013	.2454	.0909	.0001	104.0	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0031**	**.0026**	**11.87**	**6.568**	**29.65**	**.5900**	**.0008**	F **239.2**
Stddev	.0000	.0001	.0006	.09	.093	.27	.0037	.0002	1.8
%RSD	18.29	3.334	21.15	.7663	1.411	.9060	.6246	25.05	.7462
#1	.0002	.0031	.0030	11.81	6.502	29.46	.5926	.0009	240.5
#2	.0001	.0030	.0023	11.94	6.633	29.84	.5874	.0006	238.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0009**	**.0028**	**-.0035**	**-.0016**	**1.552**	**.0008**	**.0003**	**14.33**	**-.0001**
Stddev	.0001	.0001	.0012	.0004	.002	.0003	.0001	.08	.0001
%RSD	10.41	3.623	35.05	23.09	.0995	42.04	41.51	.5614	70.25
#1	.0008	.0028	-.0026	-.0013	1.551	.0010	.0002	14.27	.0000
#2	.0010	.0029	-.0044	-.0019	1.553	.0005	.0004	14.39	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2241**	**.0230**	**-.0010**	**.0044**	**-.0002**	**.0418**	**-.0792**
Stddev	.0022	.0003	.0009	.0003	.0021	.0002	.0010
%RSD	.9980	1.233	85.29	6.544	1168.	.3828	1.325
#1	.2225	.0228	-.0016	.0046	-.0016	.0416	-.0785
#2	.2257	.0232	-.0004	.0042	.0013	.0419	-.0799

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4451.1**	**109090.**	**9544.4**
Stddev	7.9	687.	89.1
%RSD	.17707	.62983	.93318
#1	4456.7	108600.	9607.4
#2	4445.6	109580.	9481.4

Zoom In Zoom Out

Sample Name: MC27056-9 Acquired: 12/16/2013 20:21:57 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0005**	**1.306**	**.0035**	**-.0018**	**.1474**	**.0602**	**.0002**	**133.8**	**.0003**
Stddev	.0001	.033	.0007	.0000	.0000	.0003	.0000	.2	.0000
%RSD	24.44	2.543	20.65	2.562	.0212	.5452	11.72	.1712	6.912
#1	.0004	1.330	.0040	-.0018	.1474	.0600	.0002	134.0	.0003
#2	.0006	1.283	.0030	-.0018	.1474	.0604	.0002	133.7	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0010**	**.0036**	**.0029**	**5.731**	**4.619**	**32.29**	**.2920**	**.0037**	**27.85**
Stddev	.0000	.0003	.0001	.006	.055	.03	.0011	.0001	.20
%RSD	.3726	7.515	4.519	.1035	1.189	.1000	.3851	3.170	.7016
#1	.0010	.0038	.0030	5.736	4.657	32.31	.2928	.0037	27.99
#2	.0010	.0034	.0028	5.727	4.580	32.26	.2912	.0036	27.71

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0024**	**.0102**	**-.0066**	**.0012**	**13.50**	**.0012**	**.0105**	**10.22**	**.0002**
Stddev	.0002	.0004	.0008	.0025	.03	.0001	.0000	.01	.0001
%RSD	6.377	4.304	11.48	209.9	.1992	8.008	.0272	.1275	44.40
#1	.0025	.0105	-.0071	.0029	13.48	.0013	.0105	10.21	.0001
#2	.0023	.0098	-.0061	-.0006	13.52	.0012	.0105	10.23	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2410**	**.0366**	**-.0010**	**.0039**	**-.0006**	**.0626**	**-.0576**
Stddev	.0007	.0000	.0001	.0004	.0019	.0000	.0007
%RSD	.2798	.0203	11.44	9.989	308.8	.0231	1.164
#1	.2405	.0366	-.0010	.0036	-.0020	.0626	-.0571
#2	.2415	.0366	-.0011	.0041	.0007	.0626	-.0581

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4512.8**	**111430.**	**9494.4**
Stddev	8.6	266.	13.1
%RSD	.19112	.23892	.13788
#1	4518.9	111240.	9485.1
#2	4506.7	111610.	9503.6

Zoom In Zoom Out

Sample Name: RINSECONF Acquired: 12/16/2013 20:26:49 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.0013**	**.0007**	**-.0013**	**.0005**	**-.0001**	**.0000**	**.0134**	**.0002**
Stddev	.0001	.0083	.0005	.0003	.0000	.0000	.000	.0042	.0000
%RSD	1242.	646.5	68.91	21.38	3.552	27.34	144.1	31.52	20.93
#1	.0001	-.0046	.0004	-.0011	.0005	-.0001	.0000	.0104	.0002
#2	-.0001	.0071	.0010	-.0015	.0005	-.0001	.0000	.0163	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0000**	**.0003**	**.0037**	**.0035**	**.0015**	**.0000**	**.0001**	**.3358**
Stddev	.0000	.000	.0000	.0010	.0537	.0062	.0001	.0000	.0461
%RSD	50.26	501.1	10.75	26.35	1544.	422.4	190.4	4.275	13.74
#1	-.0001	.0001	.0003	.0044	-.0345	-.0029	.0000	.0001	.3032
#2	.0000	-.0002	.0004	.0030	.0414	.0059	.0001	.0001	.3684

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0000**	**.0001**	**-.0007**	**.0036**	**.0041**	**-.0004**	**.0005**	**.0043**	**-.0002**
Stddev	.0000	.0001	.0008	.0004	.0008	.0012	.0003	.0003	.0000
%RSD	21.97	143.7	119.8	10.22	19.15	258.7	70.04	7.673	14.80
#1	.0001	.0000	-.0013	.0038	.0046	-.0013	.0002	.0045	-.0002
#2	.0000	.0001	-.0001	.0033	.0035	.0004	.0007	.0040	-.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0001**	**-.0003**	**-.0002**	**-.0001**	**.0013**	**.0001**	**-.0015**
Stddev	.0001	.0002	.0000	.0001	.0008	.0000	.0001
%RSD	72.08	52.78	1.144	150.8	62.01	.7089	7.644
#1	-.0002	-.0004	-.0002	-.0002	.0018	.0001	-.0016
#2	-.0001	-.0002	-.0003	.0000	.0007	.0001	-.0015

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4670.3**	**113140.**	**9513.4**
Stddev	.1	106.	8.4
%RSD	.00134	.09372	.08787
#1	4670.3	113210.	9519.3
#2	4670.3	113060.	9507.5

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/16/2013 20:31:44 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0049	.2015	.0042	-.0017	.1049	.0493	.0039	4.882	.0042
Stddev	.0004	.0114	.0005	.0001	.0002	.0002	.0001	.043	.0000
%RSD	7.158	5.634	13.10	3.674	.2205	.3716	2.837	.8708	.6361
#1	.0047	.1935	.0038	-.0016	.1048	.0491	.0038	4.852	.0042
#2	.0052	.2095	.0046	-.0017	.1051	.0494	.0040	4.912	.0042

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0529	.0100	.0246	.1001	5.031	4.881	.0154	.1024	5.161
Stddev	.0002	.0000	.0003	.0025	.033	.071	.0003	.0004	.021
%RSD	.3555	.3989	1.386	2.518	.6533	1.460	1.988	.4041	.3992
#1	.0527	.0099	.0244	.0983	5.008	4.830	.0152	.1021	5.147
#2	.0530	.0100	.0249	.1019	5.054	4.931	.0157	.1026	5.176

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0403	.0046	.0002	.0032	.0029	.0070	.0110	.0223	.1001
Stddev	.0001	.0000	.0002	.0035	.0005	.0001	.0007	.0001	.0002
%RSD	.3159	.9482	76.87	109.0	16.68	1.422	6.684	.2281	.1975
#1	.0402	.0046	.0003	.0007	.0033	.0069	.0105	.0223	.1000
#2	.0404	.0045	.0001	.0057	.0026	.0071	.0115	.0223	.1003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0096	.0484	.0053	.0102	-.0001	.0209	-.0019
Stddev	.0002	.0007	.0004	.0007	.0020	.0000	.0006
%RSD	2.353	1.396	7.104	7.343	1364.	.0355	32.56
#1	.0094	.0479	.0056	.0097	.0013	.0209	-.0023
#2	.0097	.0489	.0051	.0107	-.0016	.0209	-.0015

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4676.6	113630.	9615.5
Stddev	18.8	1417.	2.8
%RSD	.40146	1.2466	.02906
#1	4689.8	114640.	9617.5
#2	4663.3	112630.	9613.5

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/16/2013 20:36:35 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0005	536.1	.0009	.0028	.0007	-.0001	.0001	453.1	.0005
Stddev	.0001	.8	.0015	.0006	.0008	.0002	.0001	.4	.0001
%RSD	28.77	.1460	165.9	20.44	120.0	151.5	61.74	.0798	11.62
#1	.0004	536.7	-.0002	.0032	.0012	-.0003	.0001	453.4	.0006
#2	.0005	535.5	.0020	.0024	.0001	.0000	.0002	452.9	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0009	.0001	-.0041	182.7	.0770	499.2	.0004	-.0023	.2255
Stddev	.0000	.0003	.0005	1.0	.0127	4.0	.0001	.0000	.0050
%RSD	1.172	328.9	12.32	.5673	16.55	.7925	15.58	.2043	2.206
#1	-.0009	.0003	-.0038	183.5	.0860	502.0	.0004	-.0023	.2291
#2	-.0009	-.0001	-.0045	182.0	.0680	496.4	.0003	-.0023	.2220

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0042	-.0009	-.0070	-.0051	.1002	.0014	.0013	.0462	-.0025
Stddev	.0004	.0021	.0004	.0000	.0028	.0002	.0007	.0008	.0005
%RSD	8.612	232.6	5.457	.3684	2.765	13.69	57.05	1.637	19.83
#1	-.0044	.0006	-.0068	-.0051	.1022	.0013	.0008	.0457	-.0021
#2	-.0039	-.0024	-.0073	-.0051	.0983	.0015	.0018	.0468	-.0028

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0077	.0054	-.0011	.0007	-.0131	-.0004	-.0004
Stddev	.0001	.0001	.0016	.0001	.0059	.0001	.0002
%RSD	.7428	2.772	154.5	17.23	44.86	20.14	47.07
#1	-.0077	.0055	.0001	.0007	-.0172	-.0005	-.0003
#2	-.0078	.0053	-.0022	.0006	-.0089	-.0004	-.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4289.6	105920.	9216.7
Stddev	10.7	666.	31.3
%RSD	.25058	.62843	.33976
#1	4297.2	105450.	9194.5
#2	4282.0	106390.	9238.8

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/16/2013 20:41:35 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	1.009	526.9	2.117	.4770	.9932	.5050	.4631	447.7	.9967
Stddev	.001	3.6	.000	.0012	.0003	.0020	.0000	.3	.0003
%RSD	.1012	.6919	.0193	.2480	.0326	.3878	.0093	.0688	.0321
#1	1.010	524.3	2.117	.4778	.9935	.5064	.4631	447.9	.9965
#2	1.008	529.5	2.117	.4761	.9930	.5036	.4631	447.4	.9969

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.4641	.4525	.4870	180.8	.0373	493.0	.4723	.9264	.1616
Stddev	.0012	.0001	.0007	1.0	.0136	.3	.0002	.0008	.0147
%RSD	.2482	.0148	.1468	.5384	36.48	.0568	.0418	.0877	9.069
#1	.4649	.4524	.4875	181.5	.0277	493.2	.4725	.9258	.1512
#2	.4633	.4525	.4865	180.1	.0470	492.8	.4722	.9270	.1720

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.8286	.8824	.4617	.4655	.5571	2.076	2.013	2.110	.9237
Stddev	.0004	.0004	.0003	.0020	.0006	.000	.001	.005	.0023
%RSD	.0448	.0414	.0745	.4200	.1049	.0098	.0676	.2193	.2522
#1	.8288	.8821	.4619	.4641	.5566	2.076	2.014	2.113	.9254
#2	.8283	.8826	.4615	.4669	.5575	2.076	2.013	2.107	.9221

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.9507	.4620	1.836	.4650	1.775	.8927	.3850
Stddev	.0082	.0003	.001	.0016	.004	.0012	.0020
%RSD	.8589	.0619	.0710	.3515	.2247	.1376	.5071
#1	.9564	.4618	1.835	.4661	1.778	.8935	.3836
#2	.9449	.4622	1.837	.4638	1.772	.8918	.3863

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4301.8	105180.	9370.7
Stddev	13.4	101.	45.1
%RSD	.31248	.09605	.48124
#1	4292.3	105100.	9402.5
#2	4311.3	105250.	9338.8

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/16/2013 20:46:29 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2415	10.05	2.008	-.0014	2.047	1.986	1.963	9.840	1.967
Stddev	.0008	.07	.001	.0005	.004	.007	.006	.022	.001
%RSD	.3365	.6829	.0419	37.12	.2190	.3478	.2890	.2213	.0288
#1	.2421	10.09	2.007	-.0018	2.044	1.991	1.967	9.855	1.967
#2	.2410	9.997	2.009	-.0010	2.050	1.981	1.959	9.824	1.966

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	2.067	1.903	1.967	9.743	9.934	9.863	1.985	1.986	9.939
Stddev	.001	.008	.007	.032	.029	.065	.005	.006	.006
%RSD	.0533	.3971	.3480	.3300	.2891	.6541	.2338	.3100	.0649
#1	2.066	1.898	1.972	9.766	9.914	9.817	1.981	1.981	9.944
#2	2.067	1.908	1.962	9.721	9.954	9.908	1.988	1.990	9.935

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	1.917	2.003	.0014	-.0082	-.0017	2.035	2.019	.0117	1.982
Stddev	.001	.004	.0013	.0027	.0004	.003	.004	.0003	.004
%RSD	.0533	.2227	87.82	33.51	21.57	.1417	.1809	2.641	.2240
#1	1.917	2.000	.0005	-.0063	-.0020	2.033	2.017	.0119	1.979
#2	1.916	2.006	.0023	-.0101	-.0015	2.037	2.022	.0115	1.985

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.948	1.897	2.043	1.891	.0030	1.952	.0467
Stddev	.006	.004	.006	.005	.0030	.001	.0107
%RSD	.3323	.2115	.3051	.2585	100.1	.0440	22.82
#1	1.953	1.894	2.038	1.888	.0009	1.952	.0542
#2	1.943	1.900	2.047	1.895	.0051	1.953	.0392

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4679.3	113950.	9551.2
Stddev	12.6	549.	28.6
%RSD	.26963	.48216	.29978
#1	4688.3	114340.	9571.4
#2	4670.4	113560.	9530.9

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/16/2013 20:51:13 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0003	.0059	.0007	-.0010	.0020	.0000	.0000	-.0004	.0001
Stddev	.0002	.0028	.0002	.0005	.0003	.0000	.000	.0032	.0001
%RSD	73.92	47.61	34.31	50.41	17.40	191.0	88.52	894.8	91.99
#1	.0001	.0078	.0005	-.0007	.0022	.0000	.0000	.0019	.0001
#2	.0004	.0039	.0009	-.0014	.0017	.0000	.0000	-.0026	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0000	.0003	.0001	.0028	-.0608	-.0090	.0000	.0031	.1142
Stddev	.0001	.0000	.0001	.0005	.0161	.0222	.000	.0008	.0100
%RSD	10540.	13.07	204.0	18.32	26.41	245.0	42.26	24.74	8.748
#1	.0000	.0003	.0001	.0024	-.0721	.0066	.0000	.0036	.1072
#2	.0000	.0004	.0000	.0031	-.0494	-.0247	.0000	.0026	.1213

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0003	-.0002	.0008	-.0007	-.0007	.0005	.0007	.0031	.0002
Stddev	.0000	.0000	.0006	.0001	.0010	.0001	.0006	.0006	.0002
%RSD	9.429	3.331	79.11	17.46	152.5	27.19	83.23	18.63	149.4
#1	.0003	-.0002	.0004	-.0007	.0001	.0004	.0011	.0027	.0000
#2	.0003	-.0002	.0012	-.0006	-.0014	.0006	.0003	.0035	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0000	-.0002	.0016	.0006	.0035	-.0001	-.0022
Stddev	.000	.0004	.0007	.0001	.0040	.0000	.0007
%RSD	513.1	175.9	46.14	18.49	115.6	7.003	32.39
#1	.0000	.0001	.0021	.0007	.0063	-.0001	-.0017
#2	-.0001	-.0005	.0011	.0005	.0006	-.0001	-.0027

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4651.7	113180.	9595.1
Stddev	6.6	646.	8.1
%RSD	.14131	.57080	.08418
#1	4647.0	112720.	9600.8
#2	4656.3	113630.	9589.4

Zoom In Zoom Out

Sample Name: CRIA Acquired: 12/16/2013 20:56:09 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0051	.2242	.0105	-.0006	.1037	.0510	.0040	4.880	.0041
Stddev	.0006	.0069	.0004	.0000	.0004	.0001	.0000	.004	.0000
%RSD	12.02	3.087	3.427	5.548	.3638	.1917	.6386	.0857	.4180
#1	.0047	.2291	.0103	-.0006	.1034	.0510	.0039	4.883	.0041
#2	.0056	.2193	.0108	-.0006	.1039	.0511	.0040	4.877	.0041

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0516	.0100	.0245	.1028	4.996	4.902	.0153	.1011	5.096
Stddev	.0000	.0004	.0001	.0014	.036	.083	.0000	.0000	.003
%RSD	.0162	4.337	.5512	1.390	.7259	1.691	.1427	.0370	.0522
#1	.0516	.0097	.0244	.1018	4.970	4.843	.0153	.1011	5.094
#2	.0516	.0103	.0246	.1039	5.021	4.960	.0153	.1010	5.098

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0392	.0102	-.0005	.0021	.0007	.0108	.0114	.0062	.0982
Stddev	.0003	.0003	.0000	.0028	.0014	.0000	.0001	.0005	.0001
%RSD	.7902	3.047	6.946	136.9	195.3	.1253	.7013	7.591	.0960
#1	.0394	.0100	-.0005	.0041	-.0003	.0108	.0115	.0058	.0982
#2	.0390	.0104	-.0004	.0001	.0017	.0108	.0114	.0065	.0983

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0095	.0483	.0112	.0100	-.0030	.0202	-.0023
Stddev	.0001	.0003	.0004	.0000	.0003	.0001	.0002
%RSD	1.111	.5542	3.833	.0839	9.259	.5273	7.026
#1	.0094	.0481	.0109	.0100	-.0032	.0201	-.0024
#2	.0095	.0484	.0115	.0100	-.0028	.0203	-.0022

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4713.1	113930.	9500.6
Stddev	3.3	639.	4.5
%RSD	.07002	.56070	.04759
#1	4710.8	114380.	9497.4
#2	4715.4	113480.	9503.8

Zoom In Zoom Out

Sample Name: MC27055-6 Acquired: 12/16/2013 21:01:00 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0002	46.95	.0127	.0013	.0092	.1512	.0019	2.286	.0000
Stddev	.0000	.02	.0004	.0004	.0001	.0005	.0000	.007	.0001
%RSD	2.833	.0388	3.188	32.36	.9552	.3099	1.186	.3066	694.5
#1	.0002	46.96	.0130	.0010	.0091	.1515	.0019	2.291	-.0001
#2	.0002	46.94	.0124	.0017	.0093	.1508	.0019	2.281	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0266	.0546	.0489	63.78	4.424	12.23	1.582	.0016	1.928
Stddev	.0002	.0000	.0000	.18	.014	.05	.004	.0002	.003
%RSD	.7136	.0344	.0399	.2755	.3054	.4487	.2469	12.62	.1450
#1	.0268	.0546	.0489	63.91	4.415	12.27	1.585	.0017	1.930
#2	.0265	.0546	.0489	63.66	4.434	12.19	1.579	.0014	1.926

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0576	.0371	.0054	-.0057	.2561	-.0001	.0019	6.621	.0114
Stddev	.0003	.0005	.0007	.0020	.0005	.0003	.0016	.006	.0001
%RSD	.5064	1.419	12.41	35.54	.2010	390.6	81.83	.0929	.4550
#1	.0574	.0368	.0058	-.0071	.2565	-.0003	.0008	6.625	.0113
#2	.0578	.0375	.0049	-.0043	.2557	.0001	.0031	6.616	.0114

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0155	2.046	.0007	.0899	.0108	.1275	-.0328
Stddev	.0000	.013	.0006	.0004	.0056	.0002	.0003
%RSD	.3205	.6129	81.72	.4373	52.07	.1326	.9331
#1	.0155	2.055	.0012	.0902	.0148	.1274	-.0325
#2	.0154	2.038	.0003	.0896	.0068	.1276	-.0330

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4891.7	118930.	9943.7
Stddev	.2	112.	73.4
%RSD	.00396	.09389	.73789
#1	4891.5	118850.	9891.8
#2	4891.8	119010.	9995.6

Zoom In Zoom Out

Sample Name: MP22255-SD1 Acquired: 12/16/2013 21:05:50 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0008	48.68	.0129	-.0053	.0119	.1553	.0018	2.440	.0002
Stddev	.0008	.25	.0016	.0002	.0004	.0020	.0001	.016	.0001
%RSD	99.14	.5039	12.54	3.434	3.495	1.308	7.655	.6472	72.27
#1	.0002	48.86	.0141	-.0052	.0122	.1567	.0019	2.429	.0001
#2	.0013	48.51	.0118	-.0054	.0116	.1539	.0017	2.452	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0278	.0586	.0505	67.23	4.373	12.84	1.644	.0027	2.506
Stddev	.0002	.0015	.0002	.01	.205	.01	.003	.0002	.054
%RSD	.6588	2.562	.3996	.0112	4.693	.0431	.1911	6.972	2.147
#1	.0279	.0575	.0503	67.23	4.518	12.85	1.642	.0028	2.544
#2	.0277	.0597	.0506	67.24	4.228	12.84	1.646	.0026	2.468

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0609	.0389	.0100	-.0139	.2795	-.0008	.0041	6.920	.0095
Stddev	.0005	.0054	.0026	.0083	.0050	.0021	.0056	.034	.0003
%RSD	.8988	13.78	25.52	59.54	1.803	272.2	138.1	.4962	3.480
#1	.0605	.0351	.0082	-.0198	.2759	-.0022	.0001	6.896	.0092
#2	.0613	.0427	.0118	-.0081	.2831	.0007	.0081	6.945	.0097

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0163	2.119	.0018	.0954	.0062	.1381	-.0430
Stddev	.0007	.001	.0022	.0024	.0078	.0003	.0003
%RSD	4.530	.0498	119.9	2.483	124.9	.2011	.7714
#1	.0169	2.118	.0033	.0937	.0117	.1379	-.0433
#2	.0158	2.119	.0003	.0970	.0007	.1383	-.0428

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4784.0	116110.	9763.1
Stddev	16.9	477.	70.7
%RSD	.35349	.41099	.72394
#1	4795.9	116450.	9713.1
#2	4772.0	115770.	9813.1

Zoom In Zoom Out

Sample Name: MP22255-PS1 Acquired: 12/16/2013 21:10:43 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0002	46.43	.0129	.0013	.0091	.1498	.0018	2.270	.0000
Stddev	.0004	.47	.0004	.0019	.0001	.0023	.0000	.018	.0001
%RSD	220.3	1.017	3.357	146.6	1.366	1.531	.0691	.7792	804.7
#1	.0005	46.76	.0126	.0000	.0092	.1514	.0018	2.282	-.0001
#2	-.0001	46.10	.0132	.0026	.0090	.1481	.0018	2.257	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0267	.0529	.0481	63.39	4.407	12.09	1.558	.0012	1.884
Stddev	.0002	.0007	.0003	.70	.005	.14	.002	.0001	.000
%RSD	.6229	1.238	.6079	1.106	.1117	1.124	.0940	8.682	.0150
#1	.0265	.0533	.0483	63.89	4.411	12.18	1.557	.0013	1.884
#2	.0268	.0524	.0479	62.89	4.404	11.99	1.559	.0011	1.884

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0572	.0370	.0061	-.0086	.2558	.0205	.0011	6.620	.0115
Stddev	.0000	.0003	.0007	.0018	.0005	.0008	.0002	.004	.0004
%RSD	.0054	.7218	11.03	20.69	.1974	3.857	19.71	.0619	3.366
#1	.0572	.0372	.0065	-.0099	.2561	.0199	.0013	6.617	.0112
#2	.0572	.0368	.0056	-.0074	.2554	.0210	.0010	6.623	.0117

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0155	2.015	.0004	.0880	.0082	.1266	-.0329
Stddev	.0002	.000	.0001	.0004	.0006	.0003	.0003
%RSD	1.034	.0094	13.17	.4121	7.187	.2733	.9972
#1	.0156	2.015	.0004	.0883	.0078	.1268	-.0331
#2	.0154	2.015	.0004	.0878	.0086	.1263	-.0327

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4893.0	119790.	9921.6
Stddev	2.3	476.	78.9
%RSD	.04775	.39765	.79518
#1	4891.4	120130.	9865.8
#2	4894.7	119460.	9977.4

Zoom In Zoom Out

Sample Name: MC26697-1 Acquired: 12/16/2013 21:15:32 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0013	124.9	.1332	-.0101	.0717	4.892	.0036	31.52	.0379
Stddev	.0013	.6	.0071	.0014	.0008	.037	.0008	.06	.0007
%RSD	99.90	.4702	5.324	14.03	1.080	.7617	21.44	.1829	1.922
#1	.0022	124.5	.1383	-.0111	.0711	4.866	.0031	31.48	.0384
#2	.0004	125.3	.1282	-.0091	.0722	4.919	.0042	31.56	.0373

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0832	.3143	6.960	177.0	22.70	37.15	1.432	.0513	4.853
Stddev	.0002	.0009	.012	1.4	.13	.53	.000	.0012	.138
%RSD	.2974	.2770	.1645	.7731	.5552	1.434	.0079	2.359	2.841
#1	.0830	.3149	6.968	176.0	22.79	36.77	1.432	.0505	4.951
#2	.0834	.3137	6.952	178.0	22.61	37.52	1.432	.0522	4.756

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.3274	29.58	.0158	.0470	45.64	.0112	.0118	10.98	.2232
Stddev	.0012	.07	.0111	.0133	.01	.0020	.0021	.04	.0026
%RSD	.3630	.2529	70.34	28.23	.0162	17.83	17.69	.3396	1.154
#1	.3266	29.64	.0237	.0564	45.65	.0126	.0103	11.01	.2250
#2	.3283	29.53	.0079	.0376	45.64	.0098	.0133	10.95	.2213

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.2240	7.778	-.0036	.2566	.0092	15.88	-.0710
Stddev	.0007	.005	.0059	.0012	.0047	.04	.0016
%RSD	.3193	.0653	162.5	.4554	51.52	.2336	2.230
#1	.2235	7.774	-.0078	.2574	.0058	15.90	-.0699
#2	.2245	7.782	.0005	.2558	.0125	15.85	-.0721

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4752.6	116100.	9680.3
Stddev	10.6	86.	26.1
%RSD	.22296	.07415	.26922
#1	4745.1	116160.	9661.9
#2	4760.1	116040.	9698.7

Zoom In Zoom Out

Sample Name: MC26697-2 Acquired: 12/16/2013 21:20:23 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0023	158.7	.1076	-.0082	.0913	5.765	.0051	63.97	.0664
Stddev	.0031	.9	.0031	.0072	.0037	.023	.0010	.35	.0009
%RSD	135.1	.5749	2.837	87.44	4.012	.4034	18.58	.5515	1.340
#1	.0001	158.1	.1098	-.0031	.0887	5.749	.0044	63.72	.0670
#2	.0044	159.4	.1054	-.0133	.0939	5.782	.0058	64.22	.0657

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0636	.3299	10.96	208.8	21.01	37.26	1.884	.0415	7.203
Stddev	.0007	.0029	.01	2.0	.00	.28	.004	.0013	.025
%RSD	1.172	.8857	.0512	.9731	.0031	.7403	.2242	3.107	.3496
#1	.0641	.3278	10.96	207.4	21.01	37.06	1.881	.0406	7.185
#2	.0630	.3319	10.97	210.3	21.01	37.45	1.887	.0424	7.221

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.2409	47.18	.0182	.0114	27.91	.0161	.0215	12.26	.1987
Stddev	.0021	.18	.0106	.0224	.02	.0039	.0124	.02	.0032
%RSD	.8591	.3789	58.11	196.1	.0824	24.10	57.49	.1572	1.600
#1	.2423	47.05	.0107	.0272	27.93	.0188	.0128	12.25	.2009
#2	.2394	47.31	.0257	-.0044	27.89	.0133	.0302	12.28	.1964

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.3750	7.722	-.0047	.3063	.0341	16.00	-.0757
Stddev	.0018	.019	.0030	.0028	.0294	.03	.0012
%RSD	.4815	.2436	64.57	.9004	86.26	.2153	1.546
#1	.3738	7.709	-.0068	.3044	.0133	15.97	-.0765
#2	.3763	7.735	-.0026	.3083	.0549	16.02	-.0748

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4770.1	116380.	9727.1
Stddev	11.8	637.	175.3
%RSD	.24807	.54759	1.8021
#1	4778.4	116830.	9851.0
#2	4761.7	115930.	9603.1

Zoom In Zoom Out

Sample Name: MC26697-5 Acquired: 12/16/2013 21:25:13 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0017	114.2	.0510	-.0163	.1182	2.599	.0027	44.00	.0152
Stddev	.0048	.1	.0053	.0062	.0008	.010	.0003	.08	.0000
%RSD	279.8	.0545	10.32	37.80	.6836	.3929	12.40	.1762	.1294
#1	-.0017	114.2	.0473	-.0120	.1188	2.592	.0025	43.95	.0152
#2	.0051	114.3	.0547	-.0207	.1177	2.606	.0030	44.06	.0152

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0334	.2637	1.413	149.2	11.22	21.75	1.208	.0197	6.259
Stddev	.0002	.0008	.021	.0	.22	.48	.006	.0007	.157
%RSD	.6400	.2926	1.502	.0281	1.988	2.230	.4717	3.342	2.501
#1	.0332	.2642	1.398	149.2	11.37	22.10	1.212	.0193	6.370
#2	.0335	.2631	1.428	149.3	11.06	21.41	1.204	.0202	6.148

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.1478	16.02	.0094	.0119	28.85	-.0009	.0091	11.68	.0670
Stddev	.0004	.03	.0074	.0071	.09	.0003	.0058	.03	.0013
%RSD	.3000	.2155	78.08	59.55	.2949	39.27	63.94	.2528	1.896
#1	.1481	16.00	.0147	.0169	28.79	-.0006	.0132	11.66	.0661
#2	.1475	16.05	.0042	.0069	28.91	-.0011	.0050	11.70	.0679

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.2252	5.420	-.0002	.1710	.0180	5.355	-.0785
Stddev	.0004	.021	.0002	.0034	.0379	.011	.0116
%RSD	.1856	.3791	120.3	1.982	210.8	.2000	14.84
#1	.2255	5.434	-.0003	.1733	.0448	5.348	-.0702
#2	.2249	5.405	.0000	.1686	-.0088	5.363	-.0867

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4768.9	116080.	9716.7
Stddev	11.0	1135.	56.8
%RSD	.23050	.97754	.58496
#1	4776.7	115280.	9756.9
#2	4761.2	116880.	9676.6

Zoom In Zoom Out

Sample Name: MC26964-3 Acquired: 12/16/2013 21:30:04 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**75.44**	**.0652**	**.0108**	**.0868**	**1.533**	**.0050**	F **1568.**	**.0026**
Stddev	.0002	.22	.0002	.0008	.0002	.000	.0000	10.	.0001
%RSD	52.69	.2865	.2387	7.198	.2877	.0123	.0273	.6136	3.736
#1	.0002	75.29	.0653	.0103	.0866	1.533	.0050	1574.	.0025
#2	.0005	75.59	.0651	.0114	.0869	1.533	.0050	1561.	.0026

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.2267**	**.1215**	**.4247**	**174.5**	**12.35**	**68.03**	**8.155**	**.0268**	**4.615**
Stddev	.0002	.0010	.0004	.1	.05	.19	.089	.0000	.023
%RSD	.0863	.8039	.1023	.0818	.4309	.2732	1.098	.1466	.4891
#1	.2266	.1222	.4250	174.6	12.31	68.16	8.218	.0269	4.599
#2	.2269	.1208	.4244	174.4	12.39	67.90	8.092	.0268	4.631

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.4021**	**.1486**	**-.0362**	**-.0384**	F **44.38**	**.0018**	**.0100**	**9.586**	**.0125**
Stddev	.0002	.0006	.0018	.0010	.04	.0005	.0006	.022	.0002
%RSD	.0566	.3830	5.077	2.613	.0927	25.61	6.091	.2344	1.296
#1	.4019	.1490	-.0375	-.0377	44.35	.0022	.0105	9.570	.0126
#2	.4022	.1482	-.0349	-.0391	44.41	.0015	.0096	9.602	.0124

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**2.958**	**.1788**	**.0076**	**.1430**	**.0152**	**1.250**	**.0076**
Stddev	.017	.0006	.0004	.0007	.0037	.001	.0001
%RSD	.5855	.3595	5.712	.4709	24.29	.0421	.9832
#1	2.946	.1793	.0079	.1435	.0178	1.249	.0077
#2	2.971	.1783	.0073	.1425	.0126	1.250	.0076

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4848.7**	**120740.**	**10768.**
Stddev	1.8	619.	11.
%RSD	.03637	.51283	.10434
#1	4847.5	120300.	10760.
#2	4850.0	121180.	10776.

Zoom In Zoom Out

Sample Name: MC26964-2 Acquired: 12/16/2013 21:35:00 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0008**	**74.02**	**.1121**	**.0014**	**.0516**	**32.81**	**.0048**	**342.5**	**.0084**
Stddev	.0009	.02	.0027	.0048	.0025	.03	.0008	1.2	.0001
%RSD	116.5	.0247	2.430	337.7	4.762	.0947	16.17	.3548	1.592
#1	.0015	74.00	.1102	.0048	.0534	32.83	.0054	341.7	.0083
#2	.0001	74.03	.1140	-.0020	.0499	32.79	.0043	343.4	.0085

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.1088**	**.3548**	**.6630**	**293.6**	**7.687**	**40.00**	**6.911**	**.0637**	**3.474**
Stddev	.0005	.0086	.0008	.6	.148	.20	.011	.0002	.052
%RSD	.4976	2.435	.1171	.2199	1.927	.4920	.1625	.3079	1.512
#1	.1092	.3609	.6636	293.1	7.792	39.86	6.903	.0638	3.511
#2	.1084	.3487	.6625	294.0	7.582	40.14	6.919	.0635	3.437

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.8959**	**5.022**	**.0174**	**-.0698**	**17.39**	**.0032**	**.0098**	**15.65**	**.0622**
Stddev	.0014	.009	.0112	.0040	.04	.0015	.0004	.03	.0002
%RSD	.1545	.1690	64.19	5.679	.2129	46.51	4.220	.2137	.3703
#1	.8949	5.028	.0254	-.0726	17.42	.0022	.0095	15.67	.0621
#2	.8968	5.016	.0095	-.0670	17.37	.0043	.0100	15.62	.0624

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.181**	**1.352**	**-.0018**	**.1936**	**.1770**	**1.736**	**.0153**
Stddev	.004	.002	.0061	.0007	.0163	.001	.0035
%RSD	.3722	.1387	342.3	.3773	9.228	.0407	23.07
#1	1.184	1.354	.0025	.1941	.1886	1.736	.0178
#2	1.177	1.351	-.0060	.1931	.1655	1.737	.0128

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4701.5**	**115580.**	**9677.5**
Stddev	2.7	233.	104.9
%RSD	.05692	.20157	1.0841
#1	4699.7	115420.	9751.7
#2	4703.4	115750.	9603.3

Zoom In Zoom Out

Sample Name: MP22263-B1 Acquired: 12/16/2013 21:39:51 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.1932**	**2.187**	**.5471**	**-.0011**	**.0027**	**2.044**	**.5019**	**24.34**	**.5080**
Stddev	.0009	.003	.0004	.0009	.0000	.020	.0038	.24	.0005
%RSD	.4566	.1253	.0694	86.68	.5846	.9701	.7477	.9674	.0975
#1	.1926	2.189	.5469	-.0004	.0027	2.058	.5046	24.51	.5076
#2	.1939	2.185	.5474	-.0017	.0027	2.030	.4993	24.18	.5083

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5196**	**.4969**	**.4932**	**1.993**	**25.24**	**25.35**	**.5051**	**.0001**	**24.88**
Stddev	.0007	.0012	.0039	.016	.14	.38	.0006	.0000	.18
%RSD	.1408	.2373	.7966	.8164	.5662	1.505	.1172	22.28	.7169
#1	.5191	.4960	.4905	2.005	25.35	25.62	.5055	.0001	25.00
#2	.5201	.4977	.4960	1.982	25.14	25.08	.5047	.0001	24.75

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.4781**	**1.021**	**-.0005**	**.0017**	**.0126**	**.5119**	**.5228**	**.0176**	**.0133**
Stddev	.0006	.001	.0007	.0019	.0002	.0039	.0009	.0012	.0002
%RSD	.1157	.0754	140.2	109.0	1.426	.7568	.1628	6.546	1.371
#1	.4777	1.022	.0000	.0004	.0127	.5092	.5234	.0168	.0134
#2	.4785	1.021	-.0009	.0031	.0125	.5147	.5222	.0184	.0132

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4781**	**.4803**	**.5337**	**.5055**	**-.0010**	**.5190**	**.0002**
Stddev	.0028	.0000	.0008	.0007	.0003	.0020	.0007
%RSD	.5852	.0049	.1477	.1299	26.43	.3790	411.4
#1	.4801	.4802	.5343	.5059	-.0008	.5176	.0007
#2	.4761	.4803	.5332	.5050	-.0011	.5204	-.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4610.0**	**112570.**	**9507.1**
Stddev	5.3	493.	133.0
%RSD	.11432	.43779	1.3990
#1	4606.2	112220.	9413.0
#2	4613.7	112920.	9601.1

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/16/2013 21:44:38 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2424**	**9.935**	**2.001**	**.0002**	**2.049**	**1.950**	**1.934**	**9.721**	**1.961**
Stddev	.0064	.050	.013	.0001	.016	.012	.016	.085	.007
%RSD	2.642	.5012	.6480	31.21	.7827	.5971	.8384	.8788	.3820
#1	.2469	9.900	1.992	.0002	2.037	1.942	1.923	9.661	1.956
#2	.2379	9.970	2.011	.0003	2.060	1.958	1.945	9.781	1.967

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.065**	**1.882**	**1.982**	**9.473**	**9.945**	**9.696**	**1.986**	**1.984**	**9.797**
Stddev	.010	.058	.030	.128	.096	.121	.054	.017	.098
%RSD	.4775	3.057	1.539	1.346	.9659	1.243	2.696	.8358	1.003
#1	2.059	1.922	2.004	9.383	9.877	9.610	2.024	1.972	9.728
#2	2.072	1.841	1.960	9.563	10.01	9.781	1.949	1.995	9.867

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.910**	**2.007**	**.0013**	**-.0097**	**-.0027**	**2.036**	**2.008**	**.0124**	**1.982**
Stddev	.004	.014	.0010	.0012	.0004	.016	.012	.0019	.011
%RSD	.1962	.7071	78.92	12.65	14.84	.7737	.5994	15.29	.5635
#1	1.908	1.997	.0020	-.0106	-.0029	2.025	2.000	.0110	1.974
#2	1.913	2.017	.0006	-.0089	-.0024	2.047	2.017	.0137	1.990

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.902**	**1.887**	**2.044**	**1.877**	**-.0065**	**1.950**	**.0028**
Stddev	.027	.047	.015	.049	.0035	.004	.0035
%RSD	1.427	2.508	.7175	2.618	54.92	.1774	126.2
#1	1.882	1.920	2.034	1.912	-.0040	1.947	.0053
#2	1.921	1.853	2.054	1.843	-.0090	1.952	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4697.5**	**114450.**	**9562.4**
Stddev	30.4	2917.	165.4
%RSD	.64655	2.5489	1.7300
#1	4719.0	112380.	9679.4
#2	4676.0	116510.	9445.4

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/16/2013 21:49:22 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0003	.0023	.0001	-.0006	.0015	-.0001	.0000	-.0002	.0002
Stddev	.0001	.0128	.0001	.0006	.0004	.0001	.0001	.0016	.0000
%RSD	51.23	563.1	112.5	100.5	24.05	111.8	1585.	766.8	4.113
#1	.0004	-.0068	.0002	-.0002	.0018	.0000	.0000	.0009	.0002
#2	.0002	.0113	.0000	-.0010	.0013	-.0001	.0001	-.0013	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0000	.0003	.0002	.0045	-.0122	.0138	.0001	.0030	.1246
Stddev	.0000	.0003	.0005	.0050	.0112	.0173	.0001	.0006	.0138
%RSD	23.23	108.3	268.2	110.6	91.95	125.5	43.63	18.72	11.09
#1	.0000	.0005	-.0002	.0080	-.0201	.0260	.0001	.0034	.1148
#2	.0000	.0001	.0006	.0010	-.0043	.0016	.0002	.0026	.1344

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0005	.0002	.0016	.0004	-.0002	.0016	.0009	.0028	.0004
Stddev	.0000	.0003	.0017	.0049	.0008	.0013	.0016	.0003	.0000
%RSD	3.383	145.5	110.2	1087.	538.1	77.57	164.8	11.07	6.791
#1	.0005	.0004	.0028	.0039	.0004	.0025	.0021	.0026	.0004
#2	.0005	.0000	.0003	-.0030	-.0007	.0007	-.0002	.0030	.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0000	.0000	.0016	.0005	-.0004	.0001	-.0024
Stddev	.000	.000	.0001	.0004	.0010	.0000	.0005
%RSD	372.4	2276.	4.764	73.95	235.5	26.37	20.87
#1	-.0001	.0001	.0016	.0003	.0003	.0001	-.0020
#2	.0000	-.0002	.0015	.0008	-.0012	.0001	-.0028

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4661.8	113250.	9578.1
Stddev	6.4	822.	45.4
%RSD	.13735	.72616	.47423
#1	4666.4	112660.	9610.3
#2	4657.3	113830.	9546.0

Zoom In Zoom Out

Sample Name: MP22263-MB1 Acquired: 12/16/2013 21:54:17 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0003	.0002	-.0001	-.0021	.0013	.0006	.0000	.0092	.0001
Stddev	.0000	.0127	.0000	.0009	.0002	.0002	.0000	.0011	.0000
%RSD	3.263	6243.	23.84	41.36	14.05	34.67	134.2	11.41	35.73
#1	.0003	-.0088	-.0001	-.0027	.0014	.0007	.0000	.0085	.0001
#2	.0003	.0092	-.0001	-.0015	.0011	.0004	.0000	.0100	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0001	.0004	.0006	.0162	-.0241	.0225	.0002	.0008	.1335
Stddev	.0001	.0001	.0002	.0002	.0004	.0189	.0000	.0001	.0128
%RSD	55.62	18.52	43.33	1.237	1.556	84.23	11.48	16.24	9.627
#1	-.0001	.0004	.0007	.0164	-.0238	.0091	.0002	.0009	.1244
#2	-.0002	.0005	.0004	.0161	-.0243	.0359	.0002	.0007	.1426

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0001	.0004	-.0007	.0033	.0137	.0008	.0009	.0109	.0146
Stddev	.0000	.0000	.0017	.0029	.0019	.0005	.0005	.0003	.0001
%RSD	8.402	1.574	247.9	88.48	14.01	64.12	59.68	2.900	.9116
#1	.0001	.0004	-.0019	.0053	.0124	.0004	.0005	.0107	.0145
#2	.0001	.0004	.0005	.0012	.0151	.0011	.0012	.0112	.0147

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0001	.0004	-.0003	.0006	.0001	.0037	-.0036
Stddev	.0000	.0002	.0004	.0002	.0018	.0000	.0003
%RSD	11.85	63.72	124.3	27.42	1576.	.8924	7.874
#1	-.0001	.0005	-.0005	.0005	.0014	.0036	-.0034
#2	-.0001	.0002	.0000	.0007	-.0012	.0037	-.0037

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4648.6	114200.	9640.9
Stddev	4.7	498.	3.3
%RSD	.10180	.43635	.03410
#1	4652.0	113840.	9638.6
#2	4645.3	114550.	9643.3

Zoom In Zoom Out

Sample Name: MP22263-S1 Acquired: 12/16/2013 21:59:14 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.1896	66.66	.5411	.0016	.0152	2.206	.4832	31.63	.4908
Stddev	.0001	.54	.0026	.0014	.0002	.024	.0024	.10	.0004
%RSD	.0737	.8111	.4835	88.79	1.591	1.098	.5060	.3289	.0877
#1	.1895	67.04	.5393	.0006	.0151	2.223	.4849	31.70	.4905
#2	.1897	66.28	.5430	.0026	.0154	2.189	.4815	31.56	.4911

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5411	.5790	.5822	86.15	29.86	40.76	2.709	.0017	24.71
Stddev	.0017	.0005	.0014	.70	.07	.26	.001	.0000	.10
%RSD	.3093	.0806	.2395	.8098	.2405	.6378	.0419	2.600	.4072
#1	.5399	.5787	.5832	86.65	29.92	40.94	2.710	.0017	24.78
#2	.5423	.5794	.5813	85.66	29.81	40.58	2.709	.0017	24.64

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.5555	1.193	.0067	-.0158	.2808	.3004	.5002	5.898	.0127
Stddev	.0010	.006	.0002	.0009	.0028	.0037	.0002	.001	.0000
%RSD	.1715	.4921	2.880	5.842	.9828	1.225	.0312	.0135	.2576
#1	.5549	1.188	.0066	-.0165	.2827	.2978	.5003	5.898	.0127
#2	.5562	1.197	.0069	-.0152	.2788	.3030	.5001	5.899	.0127

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.5218	3.575	.5041	.6290	.0096	.7923	-.0289
Stddev	.0021	.004	.0023	.0000	.0013	.0024	.0005
%RSD	.4096	.1165	.4633	.0058	13.87	.2984	1.601
#1	.5233	3.572	.5024	.6290	.0086	.7906	-.0286
#2	.5203	3.577	.5057	.6290	.0105	.7939	-.0293

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4873.3	120510.	10029.
Stddev	10.5	421.	55.
%RSD	.21469	.34902	.55092
#1	4880.7	120210.	9989.6
#2	4865.9	120810.	10068.

Zoom In Zoom Out

Sample Name: MP22263-S2 Acquired: 12/16/2013 22:03:59 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.1895	64.39	.5399	.0010	.0174	2.182	.4800	31.82	.4883
Stddev	.0005	.19	.0009	.0008	.0001	.004	.0001	.06	.0005
%RSD	.2843	.2997	.1740	78.49	.4720	.1722	.0145	.1946	.0978
#1	.1891	64.25	.5393	.0015	.0174	2.179	.4800	31.86	.4879
#2	.1899	64.52	.5406	.0004	.0175	2.184	.4801	31.77	.4886

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5387	.5678	.5853	89.31	29.45	40.48	2.540	.0016	24.61
Stddev	.0006	.0020	.0010	.03	.13	.00	.002	.0002	.02
%RSD	.1048	.3478	.1711	.0334	.4543	.0118	.0949	10.54	.0954
#1	.5383	.5664	.5860	89.33	29.54	40.48	2.538	.0017	24.63
#2	.5391	.5692	.5846	89.29	29.35	40.48	2.542	.0015	24.59

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.5476	1.338	.0072	-.0148	.3562	.3025	.4967	6.231	.0151
Stddev	.0005	.001	.0015	.0000	.0002	.0019	.0017	.081	.0001
%RSD	.0920	.1032	21.20	.3313	.0480	.6392	.3436	1.298	.4383
#1	.5479	1.337	.0061	-.0148	.3561	.3012	.4955	6.288	.0150
#2	.5472	1.339	.0083	-.0148	.3563	.3039	.4979	6.174	.0151

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.5190	3.625	.5005	.6634	.0100	.7967	-.0279
Stddev	.0008	.007	.0004	.0004	.0026	.0002	.0002
%RSD	.1637	.1814	.0867	.0590	26.07	.0234	.8398
#1	.5184	3.620	.5008	.6637	.0119	.7969	-.0281
#2	.5196	3.629	.5002	.6631	.0082	.7966	-.0278

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4867.9	119970.	10113.
Stddev	2.8	292.	108.
%RSD	.05803	.24338	1.0635
#1	4869.9	119760.	10037.
#2	4865.9	120180.	10189.

Zoom In Zoom Out

Sample Name: MC27086-7 Acquired: 12/16/2013 22:08:44 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0005	75.54	.0278	.0016	.0298	.2982	.0024	9.655	.0020
Stddev	.0001	.23	.0000	.0008	.0001	.0017	.0000	.012	.0000
%RSD	23.83	.3094	.1772	50.71	.4178	.5782	1.780	.1251	.6471
#1	.0006	75.38	.0278	.0010	.0297	.2970	.0024	9.646	.0020
#2	.0004	75.71	.0278	.0022	.0299	.2994	.0025	9.663	.0020

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0348	.1136	.1088	83.49	4.637	18.70	1.969	.0014	.4980
Stddev	.0002	.0010	.0001	.70	.003	.03	.005	.0001	.0101
%RSD	.5492	.8551	.0567	.8368	.0562	.1840	.2355	5.267	2.026
#1	.0347	.1143	.1089	83.00	4.635	18.68	1.973	.0014	.4909
#2	.0349	.1129	.1088	83.99	4.639	18.72	1.966	.0015	.5051

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0828	.3208	.0076	-.0105	.4429	.0029	.0027	7.473	.0249
Stddev	.0002	.0016	.0004	.0033	.0007	.0004	.0006	.129	.0002
%RSD	.2955	.4906	5.900	30.98	.1513	13.07	21.49	1.726	.6898
#1	.0826	.3197	.0073	-.0128	.4424	.0032	.0023	7.564	.0250
#2	.0829	.3219	.0079	-.0082	.4434	.0027	.0031	7.382	.0247

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0815	3.130	.0024	.1726	.0114	.3253	-.0289
Stddev	.0005	.012	.0002	.0016	.0025	.0005	.0003
%RSD	.6146	.3665	7.892	.8982	21.97	.1513	.9715
#1	.0812	3.138	.0025	.1737	.0096	.3249	-.0287
#2	.0819	3.122	.0022	.1715	.0132	.3256	-.0291

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4954.8	121270.	10157.
Stddev	16.0	243.	49.
%RSD	.32207	.20066	.48595
#1	4966.0	121100.	10122.
#2	4943.5	121440.	10191.

Zoom In Zoom Out

Sample Name: MP22263-SD1 Acquired: 12/16/2013 22:13:33 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0005	81.99	.0298	-.0006	.0342	.3229	.0024	10.40	.0018
Stddev	.0006	.28	.0030	.0013	.0002	.0021	.0002	.02	.0004
%RSD	107.4	.3437	10.09	216.6	.6442	.6575	6.723	.1703	19.56
#1	.0010	81.59	.0319	-.0015	.0340	.3244	.0023	10.41	.0021
#2	.0001	81.99	.0276	.0003	.0343	.3214	.0025	10.38	.0016

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0370	.1239	.1172	89.71	5.192	19.86	2.099	.0024	.9593
Stddev	.0008	.0003	.0021	.07	.091	.14	.009	.0001	.0062
%RSD	2.193	.2187	1.808	.0813	1.759	.7057	.4350	2.378	.6485
#1	.0364	.1241	.1187	89.66	5.257	19.76	2.105	.0023	.9549
#2	.0376	.1237	.1157	89.76	5.128	19.96	2.093	.0024	.9637

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0903	.3467	.0098	.0017	.4891	.0015	.0050	12.13	.0276
Stddev	.0002	.0033	.0022	.0083	.0029	.0051	.0058	.25	.0015
%RSD	.1863	.9523	22.73	485.9	.6022	331.1	114.1	2.031	5.264
#1	.0902	.3490	.0083	.0076	.4870	.0051	.0091	12.31	.0286
#2	.0904	.3444	.0114	-.0042	.4912	-.0021	.0010	11.96	.0266

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0873	3.359	.0021	.1875	.0252	.3555	-.0593
Stddev	.0004	.006	.0002	.0010	.0183	.0002	.0013
%RSD	.4826	.1927	10.77	.5381	72.54	.0580	2.219
#1	.0876	3.363	.0019	.1882	.0123	.3556	-.0602
#2	.0870	3.354	.0022	.1868	.0382	.3553	-.0584

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4775.4	116180.	9708.0
Stddev	3.8	60.	3.3
%RSD	.07988	.05134	.03386
#1	4772.7	116230.	9710.3
#2	4778.1	116140.	9705.7

Zoom In Zoom Out

Sample Name: MP22263-B2 Acquired: 12/16/2013 22:18:25 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.1921	2.185	.5528	-.0017	.0032	2.014	.4969	24.20	.5116
Stddev	.0007	.002	.0009	.0007	.0001	.014	.0019	.02	.0000
%RSD	.3824	.0765	.1701	43.52	1.775	.6964	.3830	.0814	.0023
#1	.1916	2.184	.5521	-.0022	.0031	2.024	.4983	24.22	.5116
#2	.1926	2.187	.5534	-.0012	.0032	2.004	.4956	24.19	.5116

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5230	.4940	.4927	1.961	25.38	24.93	.5033	.0001	24.89
Stddev	.0000	.0017	.0006	.025	.12	.18	.0005	.0002	.02
%RSD	.0054	.3383	.1151	1.259	.4661	.7055	.0943	173.7	.0626
#1	.5230	.4929	.4923	1.978	25.30	25.05	.5030	.0002	24.88
#2	.5230	.4952	.4931	1.944	25.47	24.80	.5037	.0000	24.90

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4803	1.027	-.0001	.0007	.0100	.5173	.5289	.0234	.0134
Stddev	.0011	.001	.0019	.0015	.0004	.0022	.0003	.0006	.0000
%RSD	.2281	.0764	1276.	209.7	4.451	.4236	.0528	2.378	.1015
#1	.4811	1.028	-.0015	-.0003	.0104	.5157	.5291	.0238	.0133
#2	.4796	1.027	.0012	.0017	.0097	.5188	.5287	.0230	.0134

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4776	.4785	.5369	.5022	.0001	.5211	-.0034
Stddev	.0030	.0019	.0011	.0001	.0009	.0006	.0001
%RSD	.6304	.3983	.2126	.0201	868.6	.1193	3.301
#1	.4798	.4772	.5377	.5021	.0007	.5215	-.0033
#2	.4755	.4799	.5361	.5023	-.0005	.5207	-.0035

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4610.0	113900.	9638.3
Stddev	6.4	271.	27.8
%RSD	.13890	.23813	.28886
#1	4605.5	113710.	9618.6
#2	4614.5	114090.	9658.0

Zoom In Zoom Out

Sample Name: MP22263-LC1 Acquired: 12/16/2013 22:23:11 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.3202	68.53	.9335	.0039	.9221	1.573	.5125	58.22	.5942
Stddev	.0018	.36	.0010	.0016	.0034	.007	.0014	.21	.0016
%RSD	.5731	.5235	.1123	39.93	.3735	.4697	.2667	.3587	.2772
#1	.3215	68.78	.9343	.0028	.9246	1.579	.5134	58.37	.5954
#2	.3189	68.28	.9328	.0051	.9197	1.568	.5115	58.07	.5931

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.9965	.6295	.7337	107.0	35.10	27.37	2.673	.3689	6.196
Stddev	.0034	.0007	.0022	.1	.14	.14	.010	.0008	.001
%RSD	.3428	.1164	.2972	.0522	.3890	.5088	.3697	.2220	.0233
#1	.9989	.6300	.7353	107.0	35.19	27.47	2.680	.3695	6.195
#2	.9940	.6289	.7322	106.9	35.00	27.27	2.666	.3683	6.197

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.5173	.8813	.0066	-.0151	2.340	.6304	1.613	7.504	1.008
Stddev	.0013	.0024	.0006	.0023	.003	.0006	.004	.068	.003
%RSD	.2487	.2718	9.698	14.96	.1276	.0911	.2682	.9089	.2921
#1	.5182	.8830	.0070	-.0167	2.342	.6308	1.616	7.552	1.010
#2	.5164	.8796	.0061	-.0135	2.338	.6300	1.610	7.455	1.006

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.6004	1.844	1.217	.4792	.0121	1.281	.0111
Stddev	.0001	.007	.004	.0018	.0023	.004	.0013
%RSD	.0145	.3825	.3121	.3731	18.85	.3092	11.52
#1	.6003	1.849	1.220	.4805	.0138	1.284	.0102
#2	.6005	1.839	1.214	.4780	.0105	1.278	.0120

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	5067.2	125140.	10523.
Stddev	12.6	65.	103.
%RSD	.24777	.05228	.98296
#1	5058.3	125190.	10450.
#2	5076.1	125100.	10596.

Zoom In Zoom Out

Sample Name: MP22263-PS1 Acquired: 12/16/2013 22:27:55 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2194**	**73.04**	**.2185**	**.0002**	**4.740**	**2.583**	**.1821**	**9.232**	**.1828**
Stddev	.0009	.23	.0014	.0000	.006	.004	.0005	.062	.0002
%RSD	.4186	.3164	.6262	31.62	.1183	.1488	.2543	.6737	.0887
#1	.2200	72.87	.2195	.0001	4.736	2.580	.1818	9.188	.1827
#2	.2187	73.20	.2176	.0002	4.744	2.586	.1825	9.276	.1829

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.360**	**.5350**	**1.213**	**79.76**	**4.588**	**17.99**	**2.550**	**4.451**	**.5159**
Stddev	.005	.0074	.003	.42	.042	.10	.018	.019	.0000
%RSD	.2015	1.379	.2660	.5232	.9144	.5673	.6890	.4316	.0085
#1	2.356	.5402	1.215	79.47	4.558	17.92	2.563	4.437	.5158
#2	2.363	.5298	1.211	80.06	4.618	18.06	2.538	4.465	.5159

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.799**	**.5335**	**.0058**	**-.0141**	**.4082**	**.2994**	**.4635**	**12.20**	**4.438**
Stddev	.003	.0018	.0006	.0008	.0032	.0005	.0005	.05	.013
%RSD	.1800	.3387	10.85	5.918	.7857	.1641	.1080	.4366	.2815
#1	1.797	.5322	.0053	-.0135	.4060	.2998	.4638	12.23	4.429
#2	1.802	.5348	.0062	-.0147	.4105	.2991	.4631	12.16	4.447

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5064**	**5.203**	**.2391**	**.5957**	**.0011**	**1.193**	**-.0557**
Stddev	.0013	.051	.0006	.0050	.0005	.004	.0027
%RSD	.2656	.9718	.2504	.8360	50.21	.3726	4.834
#1	.5054	5.238	.2395	.5992	.0014	1.189	-.0538
#2	.5073	5.167	.2387	.5922	.0007	1.196	-.0576

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4892.0**	**120910.**	**10156.**
Stddev	12.0	716.	116.
%RSD	.24584	.59193	1.1430
#1	4900.5	120400.	10238.
#2	4883.5	121410.	10074.

Zoom In Zoom Out

Sample Name: MC27018-2 Acquired: 12/16/2013 22:32:39 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0081**	**103.6**	**.2069**	**.0069**	**.0246**	**.9131**	**.0058**	**116.3**	**.0074**
Stddev	.0005	.5	.0006	.0003	.0007	.0036	.0001	.7	.0001
%RSD	6.439	.5231	.2864	3.648	2.967	.3951	.8688	.6072	.9278
#1	.0077	104.0	.2073	.0071	.0251	.9156	.0058	116.8	.0073
#2	.0084	103.2	.2065	.0067	.0241	.9105	.0058	115.8	.0074

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.1306**	**.4461**	**1.615**	F **237.6**	**26.22**	**63.50**	**4.165**	**.0468**	**1.449**
Stddev	.0003	.0015	.003	1.6	.08	.50	.023	.0016	.001
%RSD	.2353	.3315	.1798	.6673	.3023	.7868	.5470	3.399	.0491
#1	.1308	.4471	1.613	238.7	26.27	63.85	4.149	.0479	1.449
#2	.1303	.4450	1.618	236.4	26.16	63.14	4.181	.0457	1.448

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.9215**	F **168.8**	**.0140**	**-.0269**	**3.825**	**1.483**	**.0004**	**6.749**	**.1554**
Stddev	.0032	.3	.0014	.0016	.018	.002	.0021	.126	.0004
%RSD	.3515	.2056	10.12	5.937	.4728	.1476	589.2	1.860	.2255
#1	.9238	169.0	.0150	-.0258	3.838	1.482	.0018	6.838	.1556
#2	.9192	168.5	.0130	-.0280	3.812	1.485	-.0011	6.660	.1551

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2884**	**5.339**	**-.0001**	**.2813**	**.0361**	**7.846**	**.0236**
Stddev	.0006	.001	.0002	.0003	.0019	.025	.0011
%RSD	.2032	.0194	188.0	.1105	5.201	.3211	4.560
#1	.2888	5.340	.0000	.2816	.0374	7.863	.0228
#2	.2880	5.339	-.0002	.2811	.0347	7.828	.0243

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4926.2**	**125340.**	**10504.**
Stddev	18.3	130.	75.
%RSD	.37206	.10392	.70929
#1	4913.3	125250.	10451.
#2	4939.2	125430.	10556.

Zoom In Zoom Out

Sample Name: MC27018-2 Acquired: 12/16/2013 22:37:30 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0091**	**107.8**	**.2180**	**.0033**	**.0261**	**.9474**	**.0062**	**122.4**	**.0076**
Stddev	.0003	.7	.0013	.0011	.0003	.0090	.0001	1.0	.0003
%RSD	3.167	.6440	.6127	33.34	1.300	.9467	2.231	.7962	4.031
#1	.0093	108.3	.2190	.0026	.0264	.9538	.0063	123.1	.0078
#2	.0089	107.3	.2171	.0041	.0259	.9411	.0061	121.8	.0074

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.1392**	**.4771**	**1.653**	**253.4**	**28.01**	**65.98**	**4.548**	**.0464**	**1.729**
Stddev	.0009	.0035	.001	1.7	.25	.41	.022	.0006	.000
%RSD	.6684	.7370	.0829	.6811	.9092	.6258	.4928	1.270	.0141
#1	.1399	.4796	1.654	254.6	28.19	66.27	4.563	.0469	1.729
#2	.1385	.4747	1.652	252.2	27.83	65.69	4.532	.0460	1.729

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.9818**	F **183.5**	**.0163**	**-.0264**	**4.019**	**1.660**	**.0022**	**11.28**	**.1667**
Stddev	.0086	1.2	.0013	.0018	.046	.013	.0023	.33	.0018
%RSD	.8719	.6377	8.075	6.862	1.139	.7520	104.8	2.937	1.067
#1	.9879	184.3	.0172	-.0277	4.051	1.669	.0006	11.51	.1680
#2	.9758	182.7	.0154	-.0252	3.986	1.652	.0038	11.04	.1655

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3045**	**5.740**	**-.0033**	**.3010**	**.0376**	**8.483**	**.0043**
Stddev	.0033	.032	.0001	.0012	.0076	.051	.0008
%RSD	1.087	.5564	3.988	.4017	20.14	.5996	18.29
#1	.3068	5.762	-.0032	.3018	.0323	8.519	.0038
#2	.3022	5.717	-.0034	.3001	.0430	8.447	.0049

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4817.4**	**120840.**	**10172.**
Stddev	25.7	756.	75.
%RSD	.53262	.62573	.73327
#1	4799.2	120310.	10119.
#2	4835.5	121380.	10224.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/16/2013 22:42:17 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2395**	**10.01**	**2.029**	**-.0009**	**2.077**	**1.966**	**1.940**	**9.712**	**1.976**
Stddev	.0002	.02	.002	.0013	.002	.000	.001	.017	.000
%RSD	.0961	.2299	.0831	140.7	.0954	.0221	.0570	.1796	.0144
#1	.2397	9.996	2.030	-.0018	2.076	1.966	1.939	9.699	1.976
#2	.2393	10.03	2.027	.0000	2.079	1.967	1.941	9.724	1.976

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.087**	**1.856**	**1.983**	**9.399**	**10.02**	**9.685**	**1.965**	**2.004**	**9.809**
Stddev	.002	.010	.002	.022	.00	.083	.002	.003	.034
%RSD	.0957	.5350	.1013	.2335	.0087	.8566	.0820	.1460	.3418
#1	2.088	1.849	1.981	9.414	10.02	9.626	1.964	2.002	9.785
#2	2.085	1.863	1.984	9.383	10.02	9.743	1.966	2.006	9.832

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.923**	**2.032**	**.0004**	**-.0077**	**-.0036**	**2.065**	**2.037**	**.0254**	**2.004**
Stddev	.002	.001	.0004	.0032	.0013	.002	.001	.0012	.000
%RSD	.1162	.0670	112.7	41.49	36.16	.0962	.0419	4.716	.0154
#1	1.924	2.032	.0001	-.0054	-.0045	2.066	2.036	.0263	2.005
#2	1.921	2.033	.0007	-.0099	-.0027	2.063	2.038	.0246	2.004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.901**	**1.867**	**2.072**	**1.858**	**-.0033**	**1.963**	**.0081**
Stddev	.001	.007	.001	.005	.0038	.003	.0036
%RSD	.0499	.3591	.0475	.2817	115.3	.1354	44.91
#1	1.901	1.862	2.071	1.855	-.0006	1.964	.0106
#2	1.900	1.871	2.072	1.862	-.0059	1.961	.0055

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4669.1**	**115950.**	**9635.0**
Stddev	6.3	498.	4.2
%RSD	.13468	.42926	.04321
#1	4664.7	115600.	9638.0
#2	4673.6	116300.	9632.1

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/16/2013 22:47:02 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0003**	**.0022**	**.0002**	**-.0006**	**.0018**	**-.0001**	**.0000**	**.0008**	**.0001**
Stddev	.0003	.0128	.0001	.0012	.0000	.0000	.0000	.0008	.0000
%RSD	88.26	595.5	53.67	202.0	.2359	29.61	91.55	92.25	38.83
#1	-.0001	.0112	.0001	-.0015	.0018	-.0001	.0001	.0013	.0001
#2	-.0005	-.0069	.0003	.0003	.0018	-.0001	.0000	.0003	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0003**	**.0002**	**.0062**	**.0794**	**-.0103**	**.0001**	**.0034**	**.0754**
Stddev	.0001	.0001	.0000	.0001	.0383	.0126	.0000	.0007	.0058
%RSD	146.7	20.69	20.29	1.612	48.20	122.2	40.31	21.89	7.709
#1	-.0001	.0003	.0003	.0061	.0524	-.0014	.0001	.0039	.0713
#2	.0000	.0003	.0002	.0063	.1065	-.0192	.0000	.0029	.0795

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0003**	**.0022**	**.0000**	**.0047**	**.0007**	**F .0027**	**.0016**	**.0055**	**.0004**
Stddev	.0001	.0010	.000	.0019	.0001	.0007	.0004	.0002	.0003
%RSD	18.40	44.23	76.12	40.40	20.21	23.95	27.21	3.206	94.43
#1	.0003	.0015	-.0001	.0060	.0006	.0032	.0013	.0054	.0006
#2	.0004	.0029	.0000	.0034	.0008	.0023	.0019	.0056	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0003**	**.0009**	**.0007**	**-.0009**	**.0000**	**-.0032**
Stddev	.000	.0001	.0002	.0004	.0021	.0001	.0007
%RSD	58.93	17.87	26.65	48.15	222.0	492.9	21.85
#1	.0000	.0003	.0010	.0010	-.0024	-.0001	-.0037
#2	.0000	.0003	.0007	.0005	.0005	.0001	-.0027

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4655.3**	**115460.**	**9703.7**
Stddev	5.0	876.	40.3
%RSD	.10819	.75869	.41491
#1	4658.9	116080.	9675.3
#2	4651.8	114840.	9732.2

Zoom In Zoom Out

Sample Name: MC27086-10 Acquired: 12/16/2013 22:51:58 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**58.96**	**.0211**	**.0020**	**.0109**	**.2121**	**.0020**	**6.694**	**.0035**
Stddev	.0003	.35	.0005	.0011	.0003	.0015	.0000	.012	.0000
%RSD	74.94	.5952	2.230	52.83	2.650	.7072	.2279	.1742	1.380
#1	.0002	58.71	.0208	.0012	.0111	.2110	.0020	6.685	.0036
#2	.0005	59.21	.0215	.0027	.0107	.2131	.0020	6.702	.0035

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0383**	**.0933**	**.0962**	**75.75**	**5.146**	**13.71**	**1.817**	**.0022**	**.4884**
Stddev	.0003	.0000	.0006	.16	.029	.14	.007	.0001	.0182
%RSD	.7522	.0520	.6325	.2129	.5560	1.006	.3816	5.533	3.729
#1	.0381	.0933	.0966	75.64	5.166	13.61	1.812	.0023	.5013
#2	.0385	.0934	.0957	75.86	5.126	13.81	1.822	.0021	.4755

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.2035**	**.2924**	**.0060**	**-.0089**	**.3407**	**.0017**	**.0016**	**5.896**	**.0144**
Stddev	.0027	.0019	.0002	.0019	.0017	.0001	.0006	.107	.0002
%RSD	1.325	.6463	3.064	21.86	.5015	6.128	39.03	1.815	1.120
#1	.2016	.2911	.0058	-.0102	.3395	.0017	.0011	5.820	.0143
#2	.2054	.2937	.0061	-.0075	.3419	.0018	.0020	5.972	.0145

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0645**	**2.610**	**.0033**	**.6729**	**.0144**	**.3202**	**-.0295**
Stddev	.0003	.013	.0001	.0018	.0019	.0017	.0000
%RSD	.4124	.5098	2.243	.2643	12.96	.5201	.0827
#1	.0647	2.601	.0034	.6716	.0131	.3190	-.0295
#2	.0643	2.620	.0033	.6741	.0157	.3214	-.0296

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4912.7**	**120500.**	**10280.**
Stddev	23.1	606.	100.
%RSD	.47024	.50314	.97620
#1	4929.1	120930.	10351.
#2	4896.4	120070.	10209.

Zoom In Zoom Out

Sample Name: MC27086-4 Acquired: 12/16/2013 22:56:49 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0008**	**73.29**	**.0192**	**.0015**	**.0358**	**.2048**	**.0021**	**7.578**	**.0025**
Stddev	.0001	.47	.0000	.0010	.0004	.0023	.0000	.026	.0001
%RSD	6.812	.6349	.2225	66.96	1.215	1.109	.2864	.3426	5.046
#1	.0009	73.62	.0192	.0022	.0355	.2064	.0021	7.596	.0024
#2	.0008	72.97	.0193	.0008	.0362	.2032	.0021	7.559	.0026

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0407**	**.0824**	**.1030**	**89.41**	**3.927**	**16.12**	**1.492**	**.0055**	**1.374**
Stddev	.0005	.0002	.0006	.75	.038	.21	.004	.0001	.016
%RSD	1.260	.2615	.5997	.8408	.9726	1.302	.2609	1.142	1.182
#1	.0404	.0826	.1035	89.94	3.954	16.27	1.495	.0055	1.385
#2	.0411	.0823	.1026	88.88	3.900	15.98	1.489	.0055	1.362

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.1100**	**.1827**	**.0062**	**-.0082**	**.4162**	**.0015**	**.0005**	**6.635**	**.0140**
Stddev	.0005	.0010	.0003	.0022	.0007	.0002	.0011	.086	.0004
%RSD	.4983	.5476	5.433	27.02	.1719	14.08	221.5	1.292	3.075
#1	.1096	.1820	.0064	-.0066	.4157	.0014	-.0003	6.574	.0137
#2	.1103	.1834	.0060	-.0098	.4167	.0017	.0013	6.696	.0143

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0321**	**3.148**	**.0014**	**.1441**	**.0100**	**.3638**	**-.0302**
Stddev	.0002	.001	.0002	.0000	.0034	.0011	.0007
%RSD	.7457	.0355	13.90	.0253	34.35	.3001	2.410
#1	.0323	3.149	.0012	.1441	.0075	.3631	-.0307
#2	.0319	3.147	.0015	.1441	.0124	.3646	-.0297

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4907.6**	**121900.**	**10303.**
Stddev	15.7	311.	34.
%RSD	.32035	.25532	.32797
#1	4918.7	122120.	10279.
#2	4896.5	121680.	10326.

Zoom In Zoom Out

Sample Name: MC27086-5 Acquired: 12/16/2013 23:01:38 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0011**	**43.07**	**.0283**	**.0007**	**.0567**	**.3296**	**.0015**	**12.12**	**.0036**
Stddev	.0007	.59	.0011	.0016	.0002	.0051	.0001	.15	.0000
%RSD	62.27	1.381	3.901	212.5	.2772	1.544	5.395	1.226	.4166
#1	.0016	43.49	.0291	-.0004	.0566	.3332	.0015	12.23	.0036
#2	.0006	42.65	.0276	.0018	.0568	.3260	.0014	12.02	.0036

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0418**	**.0813**	**.1245**	**64.35**	**4.395**	**12.37**	**1.553**	**.0028**	**.8874**
Stddev	.0000	.0013	.0017	.92	.097	.21	.009	.0000	.0175
%RSD	.0323	1.642	1.336	1.437	2.216	1.679	.5526	1.062	1.970
#1	.0418	.0822	.1257	65.00	4.464	12.52	1.559	.0028	.8998
#2	.0418	.0803	.1233	63.70	4.326	12.22	1.547	.0029	.8751

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.1563**	**.3124**	**.0035**	**-.0095**	**.4148**	**.0021**	**.0000**	**5.202**	**.0495**
Stddev	.0003	.0009	.0005	.0006	.0016	.0009	.0008	.112	.0007
%RSD	.2154	.2830	14.59	6.601	.3916	45.78	1537.	2.153	1.456
#1	.1565	.3130	.0038	-.0100	.4137	.0014	.0006	5.281	.0500
#2	.1560	.3118	.0031	-.0091	.4160	.0027	-.0005	5.123	.0490

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0616**	**2.176**	**.0011**	**.1018**	**.0138**	**.3143**	**-.0254**
Stddev	.0007	.019	.0002	.0001	.0017	.0001	.0010
%RSD	1.102	.8910	20.18	.1125	12.37	.0245	4.014
#1	.0620	2.190	.0013	.1019	.0126	.3143	-.0261
#2	.0611	2.162	.0010	.1017	.0151	.3142	-.0246

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4865.3**	**121710.**	**10233.**
Stddev	6.3	535.	156.
%RSD	.12998	.43944	1.5226
#1	4860.8	121330.	10123.
#2	4869.8	122090.	10343.

Zoom In Zoom Out

Sample Name: MC27086-6 Acquired: 12/16/2013 23:06:29 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0017**	**48.35**	**.0301**	**-.0001**	**.0275**	**.2954**	**.0016**	**50.64**	**.0088**
Stddev	.0000	.03	.0005	.0004	.0001	.0007	.0001	.05	.0000
%RSD	.6765	.0645	1.514	309.6	.4883	.2487	4.698	.1025	.4759
#1	.0017	48.32	.0298	.0002	.0274	.2949	.0016	50.68	.0088
#2	.0017	48.37	.0304	-.0004	.0276	.2960	.0015	50.61	.0088

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0394**	**.0940**	**.1623**	**71.44**	**4.299**	**17.16**	**1.873**	**.0024**	**1.004**
Stddev	.0001	.0001	.0010	.18	.018	.01	.001	.0000	.003
%RSD	.3163	.1221	.6179	.2504	.4194	.0755	.0592	.1614	.2927
#1	.0393	.0941	.1630	71.56	4.287	17.15	1.874	.0024	1.006
#2	.0395	.0940	.1616	71.31	4.312	17.16	1.872	.0024	1.001

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.1230**	**.6274**	**.0026**	**-.0044**	**2.234**	**.0002**	**.0017**	**5.471**	**.0581**
Stddev	.0000	.0014	.0006	.0054	.008	.0001	.0008	.049	.0011
%RSD	.0302	.2275	23.50	125.1	.3423	52.37	44.24	.8952	1.807
#1	.1230	.6263	.0022	-.0082	2.228	.0003	.0012	5.436	.0574
#2	.1230	.6284	.0030	-.0005	2.239	.0001	.0022	5.506	.0589

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0790**	**2.410**	**.0024**	**.1305**	**.0169**	**.4723**	**-.0249**
Stddev	.0001	.006	.0004	.0003	.0060	.0005	.0020
%RSD	.1169	.2671	15.66	.2003	35.47	.1112	7.853
#1	.0789	2.414	.0021	.1303	.0126	.4719	-.0235
#2	.0791	2.405	.0027	.1307	.0211	.4727	-.0263

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4820.4**	**120380.**	**10276.**
Stddev	8.8	193.	18.
%RSD	.18284	.16011	.17585
#1	4826.7	120250.	10289.
#2	4814.2	120520.	10263.

Zoom In Zoom Out

Sample Name: MC27086-8 Acquired: 12/16/2013 23:11:16 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0006**	**58.66**	**.0188**	**.0005**	**.0130**	**.2193**	**.0021**	**6.173**	**.0013**
Stddev	.0000	.01	.0003	.0006	.0002	.0003	.0000	.024	.0000
%RSD	.5832	.0163	1.610	121.7	1.731	.1545	1.512	.3897	2.403
#1	.0006	58.66	.0186	.0001	.0132	.2195	.0021	6.190	.0013
#2	.0006	58.67	.0190	.0009	.0128	.2191	.0021	6.156	.0013

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0384**	**.0777**	**.0838**	**76.90**	**4.831**	**14.15**	**2.042**	**.0016**	**.4277**
Stddev	.0000	.0002	.0002	.30	.007	.03	.001	.0001	.0021
%RSD	.0076	.2490	.2829	.3910	.1529	.1773	.0376	4.561	.4850
#1	.0384	.0779	.0836	77.11	4.836	14.17	2.043	.0017	.4262
#2	.0384	.0776	.0839	76.69	4.825	14.13	2.042	.0016	.4291

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0820**	**.1555**	**.0062**	**-.0091**	**.2679**	**-.0003**	**.0017**	**5.435**	**.0148**
Stddev	.0003	.0005	.0008	.0023	.0022	.0002	.0011	.141	.0000
%RSD	.3812	.3436	12.52	25.14	.8161	73.93	65.01	2.586	.2674
#1	.0818	.1551	.0068	-.0075	.2695	-.0001	.0009	5.534	.0148
#2	.0822	.1559	.0057	-.0107	.2664	-.0004	.0025	5.336	.0147

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0417**	**2.782**	**.0013**	**.1351**	**.0078**	**.2771**	**-.0245**
Stddev	.0003	.016	.0001	.0005	.0010	.0000	.0016
%RSD	.6713	.5634	9.160	.3704	12.47	.0134	6.640
#1	.0419	2.794	.0014	.1347	.0085	.2771	-.0256
#2	.0415	2.771	.0012	.1354	.0071	.2771	-.0233

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4897.9**	**120200.**	**10152.**
Stddev	.9	76.	92.
%RSD	.01771	.06319	.90671
#1	4897.3	120250.	10087.
#2	4898.6	120140.	10217.

Zoom In Zoom Out

Sample Name: MC27086-9 Acquired: 12/16/2013 23:16:07 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0006**	**59.05**	**.0189**	**.0018**	**.0126**	**.2194**	**.0020**	**7.176**	**.0016**
Stddev	.0003	2.13	.0001	.0008	.0004	.0077	.0001	.269	.0001
%RSD	41.49	3.609	.7174	43.59	3.390	3.504	3.848	3.747	6.583
#1	.0008	60.55	.0188	.0012	.0123	.2248	.0020	7.366	.0015
#2	.0005	57.54	.0190	.0023	.0129	.2140	.0019	6.986	.0017

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0374**	**.0781**	**.0753**	**71.88**	**5.442**	**14.75**	**1.947**	**.0013**	**.4147**
Stddev	.0002	.0008	.0006	2.63	.188	.43	.004	.0000	.0171
%RSD	.5878	1.047	.8157	3.664	3.463	2.918	.2197	3.789	4.116
#1	.0373	.0787	.0757	73.75	5.575	15.06	1.950	.0013	.4268
#2	.0376	.0776	.0748	70.02	5.308	14.45	1.944	.0013	.4027

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.1051**	**.1246**	**.0035**	**-.0082**	**.2606**	**-.0002**	**.0000**	**5.445**	**.0147**
Stddev	.0001	.0007	.0001	.0027	.0023	.0009	.0004	.028	.0007
%RSD	.1084	.5711	2.702	32.78	.8683	548.6	1088.	.5158	4.579
#1	.1052	.1240	.0035	-.0063	.2621	.0005	.0003	5.465	.0152
#2	.1050	.1251	.0036	-.0101	.2590	-.0008	-.0002	5.425	.0143

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0686**	**2.968**	**.0019**	**.2062**	**.0153**	**.3874**	**-.0247**
Stddev	.0029	.015	.0001	.0012	.0016	.0000	.0014
%RSD	4.160	.5204	4.745	.5926	10.72	.0004	5.582
#1	.0706	2.978	.0018	.2071	.0164	.3874	-.0256
#2	.0666	2.957	.0019	.2054	.0141	.3874	-.0237

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4905.0**	**122120.**	**10447.**
Stddev	3.1	233.	305.
%RSD	.06412	.19066	2.9205
#1	4907.2	121950.	10231.
#2	4902.8	122280.	10663.

Zoom In Zoom Out

Sample Name: MC27088-14 Acquired: 12/16/2013 23:20:56 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**42.00**	**.0159**	**.0023**	**.0089**	**.1903**	**.0015**	**3.960**	**.0010**
Stddev	.0001	.09	.0003	.0003	.0003	.0006	.0000	.014	.0000
%RSD	24.90	.2057	1.968	15.31	2.965	.3111	2.950	.3507	3.767
#1	.0003	41.94	.0162	.0025	.0088	.1908	.0014	3.950	.0010
#2	.0002	42.06	.0157	.0020	.0091	.1899	.0015	3.970	.0009

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0390**	**.0893**	**.0685**	**66.39**	**6.277**	**14.78**	**2.823**	**.0145**	**1.428**
Stddev	.0001	.0001	.0001	.08	.020	.01	.001	.0000	.000
%RSD	.1432	.0646	.1016	.1176	.3152	.0509	.0292	.1546	.0091
#1	.0389	.0893	.0685	66.34	6.263	14.78	2.822	.0145	1.428
#2	.0390	.0892	.0684	66.45	6.291	14.77	2.823	.0145	1.427

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.1065**	**.0432**	**.0045**	**-.0130**	**.3021**	**.0004**	**.0011**	**5.467**	**.0141**
Stddev	.0001	.0001	.0007	.0008	.0002	.0000	.0005	.149	.0001
%RSD	.0862	.2858	15.37	5.884	.0769	2.092	43.95	2.728	1.008
#1	.1066	.0433	.0050	-.0124	.3020	.0004	.0008	5.572	.0142
#2	.1065	.0431	.0040	-.0135	.3023	.0004	.0015	5.361	.0140

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0226**	**2.261**	**.0011**	**.0948**	**.0105**	**.1647**	**-.0282**
Stddev	.0001	.014	.0002	.0007	.0012	.0003	.0011
%RSD	.4358	.6287	17.19	.7285	10.97	.1577	4.041
#1	.0227	2.251	.0010	.0943	.0113	.1645	-.0290
#2	.0225	2.271	.0013	.0952	.0097	.1649	-.0274

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4875.5**	**120830.**	**10239.**
Stddev	6.3	192.	.
%RSD	.12992	.15904	.00487
#1	4871.0	120690.	10239.
#2	4880.0	120960.	10239.

Zoom In Zoom Out

Sample Name: MC27088-2 Acquired: 12/16/2013 23:25:48 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0004	54.34	.0136	.0022	.0081	.2010	.0019	4.052	.0002
Stddev	.0000	.12	.0010	.0006	.0000	.0005	.0000	.014	.0000
%RSD	11.19	.2220	7.170	29.02	.0895	.2322	.9769	.3529	11.02
#1	.0004	54.42	.0129	.0026	.0081	.2013	.0019	4.062	.0002
#2	.0003	54.25	.0143	.0017	.0081	.2006	.0019	4.042	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0395	.0680	.0573	71.66	4.791	13.88	2.021	.0019	1.371
Stddev	.0001	.0002	.0001	.22	.041	.01	.003	.0001	.009
%RSD	.1557	.2757	.1428	.3041	.8636	.0943	.1308	7.706	.6279
#1	.0394	.0681	.0573	71.51	4.820	13.89	2.023	.0020	1.364
#2	.0395	.0678	.0574	71.82	4.761	13.87	2.019	.0018	1.377

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0817	.0656	.0063	-.0075	.1030	.0010	-.0006	5.606	.0127
Stddev	.0001	.0008	.0005	.0054	.0006	.0006	.0005	.069	.0000
%RSD	.1676	1.144	7.932	71.06	.5930	64.04	94.47	1.223	.2811
#1	.0816	.0651	.0067	-.0113	.1034	.0015	-.0009	5.655	.0128
#2	.0818	.0662	.0060	-.0038	.1025	.0006	-.0002	5.558	.0127

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0255	2.571	.0024	.0898	.0109	.1381	-.0264
Stddev	.0000	.009	.0002	.0003	.0037	.0001	.0001
%RSD	.0734	.3442	7.920	.3510	33.95	.0738	.2490
#1	.0255	2.577	.0022	.0896	.0135	.1380	-.0265
#2	.0255	2.565	.0025	.0900	.0083	.1382	-.0264

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4915.1	122090.	10306.
Stddev	1.0	305.	3.
%RSD	.01996	.24994	.02469
#1	4915.8	121880.	10307.
#2	4914.4	122310.	10304.

Zoom In Zoom Out

Sample Name: MC27088-7 Acquired: 12/16/2013 23:30:38 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0001	42.82	.0119	.0020	.0032	.1962	.0018	3.922	.0001
Stddev	.0001	.18	.0006	.0002	.0001	.0013	.0000	.024	.0001
%RSD	47.31	.4168	5.014	11.79	4.185	.6532	1.623	.6164	112.4
#1	.0002	42.94	.0115	.0018	.0033	.1971	.0018	3.939	.0000
#2	.0001	42.69	.0123	.0022	.0031	.1953	.0018	3.905	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0422	.0568	.0598	72.54	5.580	15.06	3.023	.0017	.7989
Stddev	.0001	.0002	.0005	.27	.092	.12	.003	.0001	.0056
%RSD	.2712	.3310	.8138	.3726	1.644	.7776	.1106	7.190	.7035
#1	.0423	.0569	.0601	72.73	5.515	15.14	3.021	.0018	.7950
#2	.0421	.0566	.0594	72.35	5.645	14.97	3.026	.0016	.8029

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.1018	.0225	.0045	-.0124	.0739	-.0001	.0010	3.179	.0121
Stddev	.0001	.0003	.0009	.0005	.0021	.0003	.0008	.007	.0003
%RSD	.1274	1.441	21.15	4.102	2.836	252.5	86.78	.2364	2.301
#1	.1017	.0227	.0038	-.0127	.0754	-.0003	.0015	3.184	.0123
#2	.1019	.0223	.0051	-.0120	.0725	.0001	.0004	3.173	.0119

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0230	2.349	.0016	.0927	.0072	.1282	-.0155
Stddev	.0000	.003	.0004	.0006	.0031	.0004	.0004
%RSD	.1286	.1055	27.70	.6636	42.56	.2762	2.483
#1	.0230	2.347	.0019	.0922	.0051	.1279	-.0158
#2	.0230	2.351	.0013	.0931	.0094	.1284	-.0152

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4935.1	121950.	10254.
Stddev	9.4	198.	3.
%RSD	.19125	.16234	.03076
#1	4928.4	121810.	10252.
#2	4941.8	122090.	10257.

Zoom In Zoom Out

Sample Name: MC27088-8 Acquired: 12/16/2013 23:35:31 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0001	41.29	.0146	.0021	.0031	.1697	.0018	3.391	.0001
Stddev	.0003	.07	.0002	.0012	.0001	.0001	.0001	.007	.0000
%RSD	500.2	.1593	1.332	56.95	1.930	.0488	3.829	.2020	22.68
#1	-.0003	41.24	.0147	.0013	.0032	.1697	.0017	3.395	.0001
#2	.0002	41.34	.0145	.0030	.0031	.1696	.0018	3.386	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0373	.0470	.0540	64.35	5.182	13.67	2.110	.0010	.7161
Stddev	.0000	.0008	.0000	.09	.030	.04	.012	.0001	.0044
%RSD	.0107	1.603	.0065	.1394	.5783	.2854	.5589	6.767	.6142
#1	.0373	.0475	.0540	64.42	5.161	13.70	2.118	.0009	.7192
#2	.0373	.0465	.0540	64.29	5.203	13.64	2.101	.0010	.7130

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0852	.0238	.0040	-.0109	.0683	-.0004	.0007	3.064	.0123
Stddev	.0001	.0000	.0003	.0012	.0012	.0001	.0002	.015	.0000
%RSD	.0717	.0854	8.480	11.12	1.745	30.58	24.56	.5031	.1822
#1	.0852	.0238	.0038	-.0101	.0674	-.0005	.0009	3.053	.0123
#2	.0851	.0238	.0043	-.0118	.0691	-.0003	.0006	3.075	.0123

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0217	2.054	.0011	.0839	.0086	.1184	-.0138
Stddev	.0001	.010	.0003	.0013	.0051	.0001	.0004
%RSD	.3195	.4768	30.80	1.495	59.41	.1011	2.542
#1	.0218	2.061	.0014	.0848	.0122	.1183	-.0140
#2	.0217	2.047	.0009	.0830	.0050	.1185	-.0136

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4897.2	120680.	10158.
Stddev	2.6	710.	30.
%RSD	.05341	.58861	.29740
#1	4899.1	120180.	10136.
#2	4895.4	121180.	10179.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/16/2013 23:40:22 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2339	9.778	2.028	-.0013	2.086	1.922	1.885	9.403	1.967
Stddev	.0015	.274	.003	.0000	.007	.056	.061	.295	.007
%RSD	.6244	2.800	.1697	1.685	.3415	2.903	3.238	3.142	.3721
#1	.2349	9.584	2.030	-.0014	2.091	1.883	1.842	9.194	1.972
#2	.2328	9.971	2.025	-.0013	2.081	1.962	1.928	9.612	1.962

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	2.080	1.822	1.950	9.097	9.707	9.384	1.926	1.999	9.557
Stddev	.007	.026	.024	.336	.298	.305	.023	.000	.279
%RSD	.3261	1.430	1.212	3.692	3.075	3.246	1.206	.0176	2.924
#1	2.085	1.841	1.967	8.860	9.496	9.169	1.942	1.999	9.359
#2	2.075	1.804	1.934	9.335	9.918	9.600	1.910	1.999	9.754

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	1.908	2.030	.0013	-.0063	-.0058	2.059	2.039	.0405	2.001
Stddev	.006	.003	.0007	.0004	.0009	.007	.007	.0031	.007
%RSD	.2938	.1532	49.79	6.782	16.00	.3521	.3487	7.754	.3546
#1	1.912	2.032	.0018	-.0066	-.0064	2.064	2.044	.0427	2.007
#2	1.904	2.027	.0008	-.0060	-.0051	2.054	2.034	.0383	1.996

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.848	1.834	2.075	1.822	-.0063	1.952	.0005
Stddev	.062	.027	.007	.022	.0020	.007	.0022
%RSD	3.335	1.492	.3498	1.220	30.92	.3618	461.5
#1	1.805	1.854	2.080	1.838	-.0077	1.957	.0020
#2	1.892	1.815	2.070	1.806	-.0049	1.947	-.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4673.3	118170.	9970.9
Stddev	10.1	1524.	305.4
%RSD	.21542	1.2893	3.0632
#1	4666.2	117090.	10187.
#2	4680.4	119240.	9754.9

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/16/2013 23:45:07 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0007	.0133	.0004	-.0012	.0016	-.0004	.0001	-.0021	.0001
Stddev	.0002	.0023	.0002	.0001	.0003	.0001	.0001	.0011	.0000
%RSD	22.97	17.01	52.98	10.50	20.98	19.45	80.84	49.99	1.261
#1	.0006	.0117	.0003	-.0013	.0019	-.0004	.0001	-.0029	.0001
#2	.0008	.0149	.0006	-.0011	.0014	-.0005	.0000	-.0014	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0001	.0005	.0003	.0044	.0126	-.0148	.0001	.0028	.0644
Stddev	.0000	.0005	.0001	.0008	.0192	.0338	.0000	.0007	.0015
%RSD	44.91	93.99	17.17	18.66	152.1	228.3	28.32	24.78	2.368
#1	-.0001	.0002	.0003	.0038	.0262	-.0387	.0001	.0033	.0655
#2	.0000	.0008	.0003	.0050	-.0010	.0091	.0001	.0023	.0633

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0003	.0004	-.0007	.0012	-.0012	-.0001	.0003	.0103	.0001
Stddev	.0001	.0002	.0013	.0046	.0011	.0002	.0000	.0007	.0000
%RSD	21.90	45.22	168.9	385.2	93.74	467.6	4.294	7.141	8.358
#1	.0003	.0006	.0001	-.0021	-.0020	.0001	.0003	.0108	.0001
#2	.0004	.0003	-.0016	.0044	-.0004	-.0002	.0003	.0097	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0000	.0004	.0010	.0007	-.0001	.0001	-.0032
Stddev	.0000	.0002	.0000	.0000	.0011	.0000	.0002
%RSD	167.0	40.43	2.527	3.052	1200.	51.87	7.704
#1	.0000	.0003	.0010	.0007	-.0009	.0001	-.0034
#2	.0000	.0005	.0010	.0007	.0007	.0001	-.0030

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4664.2	114540.	9793.8
Stddev	56.1	804.	329.7
%RSD	1.2034	.70196	3.3663
#1	4624.5	115110.	10027.
#2	4703.9	113970.	9560.7

Zoom In Zoom Out

Sample Name: MC27088-9 Acquired: 12/16/2013 23:50:03 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0005	30.27	.0100	.0002	.0049	.1271	.0011	2.350	.0017
Stddev	.0004	.24	.0001	.0008	.0001	.0027	.0000	.018	.0000
%RSD	71.15	.8046	.9063	306.2	2.100	2.154	2.164	.7830	.2730
#1	.0008	30.10	.0101	-.0003	.0049	.1251	.0011	2.337	.0017
#2	.0003	30.44	.0100	.0008	.0050	.1290	.0011	2.363	.0017

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0230	.0388	.0361	47.71	3.614	8.236	.5319	.0024	.6520
Stddev	.0001	.0000	.0000	.44	.038	.128	.0021	.0000	.0101
%RSD	.3356	.1266	.0545	.9307	1.055	1.548	.3963	.5125	1.555
#1	.0231	.0388	.0361	47.40	3.587	8.146	.5334	.0024	.6592
#2	.0230	.0389	.0361	48.03	3.641	8.326	.5304	.0024	.6449

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0491	.0429	.0029	-.0051	.1288	-.0006	-.0001	3.864	.0072
Stddev	.0001	.0005	.0003	.0002	.0012	.0006	.0003	.040	.0000
%RSD	.1563	1.203	10.87	3.726	.9583	99.28	208.2	1.024	.0963
#1	.0492	.0433	.0031	-.0052	.1280	-.0010	-.0003	3.836	.0072
#2	.0491	.0426	.0027	-.0049	.1297	-.0002	.0001	3.892	.0072

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0187	1.824	.0036	.0669	.0068	.1161	-.0211
Stddev	.0003	.007	.0002	.0001	.0024	.0000	.0005
%RSD	1.683	.4070	6.800	.1239	35.79	.0367	2.398
#1	.0185	1.829	.0034	.0668	.0086	.1161	-.0214
#2	.0190	1.819	.0038	.0670	.0051	.1161	-.0207

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4851.2	120100.	10178.
Stddev	3.2	131.	172.
%RSD	.06651	.10900	1.6924
#1	4849.0	120010.	10300.
#2	4853.5	120200.	10057.

Zoom In Zoom Out

Sample Name: MC27088-1 Acquired: 12/16/2013 23:54:57 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0005	59.97	.0197	.0010	.0036	.4020	.0037	9.628	.0004
Stddev	.0002	.31	.0003	.0011	.0002	.0030	.0001	.045	.0001
%RSD	32.94	.5088	1.645	108.6	4.918	.7579	1.696	.4692	16.50
#1	.0006	60.19	.0199	.0002	.0038	.4041	.0037	9.660	.0004
#2	.0004	59.76	.0194	.0018	.0035	.3998	.0037	9.596	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0387	.0635	.3283	93.02	10.81	15.10	.7796	.0042	.6540
Stddev	.0000	.0006	.0006	.87	.05	.08	.0043	.0001	.0133
%RSD	.0887	.9104	.1730	.9320	.4228	.5083	.5526	2.614	2.026
#1	.0386	.0639	.3287	93.63	10.84	15.15	.7826	.0043	.6633
#2	.0387	.0631	.3279	92.41	10.78	15.05	.7765	.0041	.6446

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0987	.0548	.0071	-.0093	.1423	.0001	-.0003	6.179	.0062
Stddev	.0002	.0005	.0006	.0008	.0030	.0002	.0003	.139	.0001
%RSD	.2321	.9181	8.029	9.168	2.087	213.5	98.45	2.248	.9075
#1	.0985	.0551	.0067	-.0099	.1402	.0002	-.0005	6.278	.0062
#2	.0988	.0544	.0075	-.0087	.1444	.0000	-.0001	6.081	.0063

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0292	2.704	.0014	.1198	.0125	.2949	-.0286
Stddev	.0002	.011	.0001	.0004	.0012	.0005	.0007
%RSD	.5291	.3986	3.890	.3203	9.286	.1704	2.340
#1	.0293	2.711	.0014	.1201	.0134	.2952	-.0281
#2	.0291	2.696	.0014	.1195	.0117	.2945	-.0291

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	5041.0	124840.	10574.
Stddev	15.5	694.	132.
%RSD	.30823	.55586	1.2463
#1	5030.0	124350.	10481.
#2	5051.9	125340.	10667.

Zoom In Zoom Out

Sample Name: MC27088-2 Acquired: 12/16/2013 23:59:46 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0003	66.27	.0412	.0024	.0047	.4151	.0033	6.289	.0005
Stddev	.0004	.14	.0005	.0020	.0002	.0024	.0000	.011	.0000
%RSD	139.2	.2087	1.173	80.58	3.419	.5735	1.358	.1698	5.576
#1	.0005	66.37	.0415	.0038	.0045	.4168	.0033	6.296	.0005
#2	.0000	66.17	.0408	.0011	.0048	.4134	.0033	6.281	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0336	.2467	.3388	130.2	12.79	22.60	.9740	.0082	.4907
Stddev	.0001	.0011	.0022	.1	.00	.04	.0035	.0000	.0012
%RSD	.3241	.4338	.6521	.0686	.0127	.1874	.3593	.3395	.2380
#1	.0337	.2459	.3372	130.3	12.79	22.63	.9715	.0082	.4899
#2	.0335	.2474	.3404	130.1	12.79	22.57	.9764	.0082	.4915

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0758	.0927	.0105	-.0081	.5858	-.0008	.0012	5.998	.0101
Stddev	.0001	.0000	.0001	.0000	.0013	.0006	.0000	.063	.0002
%RSD	.1498	.0515	.6249	.1406	.2259	65.94	.9913	1.042	2.317
#1	.0759	.0927	.0105	-.0081	.5868	-.0004	.0012	6.042	.0102
#2	.0757	.0926	.0106	-.0081	.5849	-.0012	.0012	5.953	.0099

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0249	3.093	.0022	.1538	.0149	.3277	-.0275
Stddev	.0001	.019	.0003	.0001	.0041	.0003	.0004
%RSD	.4286	.6000	15.43	.0617	27.65	.0820	1.421
#1	.0248	3.080	.0025	.1538	.0178	.3279	-.0278
#2	.0249	3.106	.0020	.1539	.0120	.3275	-.0273

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	5012.4	124220.	10593.
Stddev	12.8	287.	9.
%RSD	.25578	.23122	.08664
#1	5003.4	124430.	10587.
#2	5021.5	124020.	10599.

Zoom In Zoom Out

Sample Name: MC27088-3 Acquired: 12/17/2013 0:04:36 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**74.29**	**.0278**	**.0007**	**.0045**	**.3611**	**.0035**	**6.728**	**.0012**
Stddev	.0000	.34	.0002	.0018	.0003	.0026	.0000	.009	.0001
%RSD	16.25	.4522	.5817	283.4	5.833	.7316	.6536	.1306	6.182
#1	.0002	74.53	.0277	-.0007	.0047	.3630	.0035	6.735	.0013
#2	.0003	74.05	.0279	.0020	.0043	.3593	.0035	6.722	.0012

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0430**	**.1230**	**.3000**	**111.9**	**17.36**	**29.85**	**1.000**	**.0057**	**.6177**
Stddev	.0006	.0004	.0001	.6	.05	.15	.001	.0001	.0032
%RSD	1.345	.3011	.0303	.5557	.2712	.4933	.0862	1.016	.5210
#1	.0434	.1233	.2999	112.3	17.33	29.95	1.001	.0058	.6154
#2	.0426	.1228	.3000	111.4	17.40	29.74	.9998	.0057	.6200

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.1070**	**.1246**	**.0077**	**-.0067**	**.5063**	**-.0013**	**.0016**	**5.498**	**.0047**
Stddev	.0013	.0009	.0010	.0009	.0063	.0001	.0014	.040	.0001
%RSD	1.239	.6910	12.65	13.99	1.252	10.29	86.24	.7233	1.164
#1	.1079	.1252	.0070	-.0074	.5107	-.0012	.0006	5.526	.0047
#2	.1060	.1240	.0084	-.0060	.5018	-.0014	.0026	5.469	.0047

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0236**	**3.984**	**.0022**	**.1682**	**.0116**	**.4460**	**-.0156**
Stddev	.0001	.004	.0002	.0004	.0014	.0052	.0005
%RSD	.2994	.0982	8.128	.2221	12.24	1.177	3.396
#1	.0236	3.981	.0023	.1684	.0106	.4497	-.0160
#2	.0237	3.986	.0021	.1679	.0126	.4423	-.0152

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4946.5**	**123020.**	**10418.**
Stddev	58.0	378.	19.
%RSD	1.1716	.30751	.17763
#1	4905.6	122750.	10431.
#2	4987.5	123290.	10405.

Zoom In Zoom Out

Sample Name: MC27088-4 Acquired: 12/17/2013 0:09:25 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**131.1**	**.0367**	**.0018**	**.0062**	**.6833**	**.0054**	**5.651**	**-.0002**
Stddev	.0000	.7	.0005	.0007	.0002	.0065	.0002	.015	.0000
%RSD	165.1	.5198	1.354	38.46	2.835	.9569	2.812	.2681	17.77
#1	.0001	131.6	.0364	.0013	.0060	.6879	.0053	5.662	-.0003
#2	.0000	130.6	.0371	.0023	.0063	.6786	.0055	5.641	-.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0499**	**.1712**	**.2539**	**164.8**	**32.05**	**51.75**	**1.686**	**.0093**	**.8069**
Stddev	.0001	.0012	.0004	.6	.05	.18	.010	.0000	.0065
%RSD	.2713	.6858	.1506	.3916	.1473	.3556	.5714	.0901	.8073
#1	.0498	.1720	.2536	165.2	32.02	51.88	1.693	.0093	.8115
#2	.0500	.1704	.2541	164.3	32.08	51.62	1.679	.0093	.8023

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.1311**	**.1447**	**.0123**	**-.0123**	**.2176**	**.0000**	**.0009**	**5.769**	**.0005**
Stddev	.0003	.0007	.0005	.0014	.0002	.001	.0005	.048	.0003
%RSD	.2036	.4666	3.999	11.69	.1108	2841.	52.21	.8296	72.59
#1	.1309	.1442	.0127	-.0113	.2177	-.0008	.0006	5.735	.0002
#2	.1313	.1451	.0120	-.0133	.2174	.0007	.0012	5.803	.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0257**	**7.425**	**.0036**	**.2799**	**.0178**	**.6385**	**-.0231**
Stddev	.0002	.025	.0009	.0013	.0083	.0007	.0007
%RSD	.8421	.3315	23.72	.4642	46.60	.1153	3.031
#1	.0259	7.443	.0030	.2809	.0237	.6390	-.0226
#2	.0256	7.408	.0043	.2790	.0119	.6379	-.0236

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**5087.5**	**126430.**	**10734.**
Stddev	1.7	700.	39.
%RSD	.03428	.55384	.36095
#1	5088.7	125930.	10707.
#2	5086.3	126920.	10762.

Zoom In Zoom Out

Sample Name: MC27088-5 Acquired: 12/17/2013 0:14:20 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**109.4**	**.0268**	**.0015**	**.0049**	**.5738**	**.0050**	**6.014**	**.0012**
Stddev	.0000	.1	.0001	.0001	.0001	.0001	.0000	.001	.0000
%RSD	11.99	.0720	.5572	5.128	1.547	.0104	.8645	.0197	1.165
#1	.0003	109.5	.0267	.0014	.0050	.5737	.0050	6.013	.0012
#2	.0004	109.4	.0269	.0015	.0048	.5738	.0050	6.015	.0012

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0342**	**.1877**	**.4958**	**131.3**	**25.69**	**40.84**	**1.352**	**.0072**	**.6845**
Stddev	.0002	.0003	.0011	.1	.04	.11	.001	.0001	.0035
%RSD	.6112	.1861	.2206	.0669	.1555	.2647	.0934	.9377	.5067
#1	.0341	.1880	.4965	131.2	25.66	40.92	1.353	.0073	.6821
#2	.0344	.1875	.4950	131.3	25.72	40.76	1.351	.0072	.6870

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.1007**	**.1418**	**.0116**	**-.0116**	**.8755**	**-.0006**	**.0005**	**6.203**	**.0035**
Stddev	.0000	.0006	.0015	.0003	.0032	.0011	.0017	.069	.0006
%RSD	.0223	.4442	13.12	2.240	.3689	174.6	367.9	1.116	16.25
#1	.1007	.1423	.0105	-.0118	.8732	-.0014	.0017	6.252	.0031
#2	.1007	.1414	.0127	-.0114	.8778	.0001	-.0007	6.154	.0039

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0314**	**6.352**	**.0035**	**.2230**	**.0148**	**.5270**	**-.0238**
Stddev	.0001	.018	.0001	.0009	.0010	.0001	.0007
%RSD	.2069	.2785	2.868	.3912	6.741	.0128	3.120
#1	.0313	6.364	.0036	.2236	.0141	.5269	-.0244
#2	.0314	6.339	.0035	.2224	.0155	.5270	-.0233

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4968.8**	**123560.**	**10449.**
Stddev	4.5	400.	103.
%RSD	.09000	.32409	.98695
#1	4972.0	123270.	10376.
#2	4965.7	123840.	10522.

Zoom In Zoom Out

Sample Name: MC27088-6 Acquired: 12/17/2013 0:19:09 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0009**	**166.0**	**.0472**	**.0045**	**.0149**	**.5988**	**.0062**	**4.066**	**.0013**
Stddev	.0005	.6	.0004	.0000	.0004	.0038	.0001	.002	.0001
%RSD	63.83	.3355	.8791	.3241	2.792	.6266	1.357	.0465	5.162
#1	.0012	166.4	.0474	.0045	.0152	.6014	.0061	4.065	.0013
#2	.0005	165.6	.0469	.0045	.0146	.5961	.0062	4.067	.0013

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0739**	**.1849**	**.3485**	**208.6**	**13.53**	**36.94**	**1.655**	**.0092**	**.4582**
Stddev	.0002	.0005	.0003	.4	.02	.21	.004	.0001	.0046
%RSD	.2124	.2833	.0795	.1801	.1174	.5764	.2273	1.080	1.012
#1	.0740	.1852	.3487	208.9	13.54	37.09	1.658	.0092	.4549
#2	.0737	.1845	.3483	208.4	13.52	36.79	1.652	.0093	.4615

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.1109**	**.2238**	**.0166**	**-.0132**	**1.614**	**-.0006**	**.0015**	**6.377**	**.0093**
Stddev	.0002	.0014	.0002	.0015	.006	.0004	.0014	.062	.0000
%RSD	.1653	.6383	1.490	11.10	.3570	67.96	92.07	.9668	.1396
#1	.1108	.2248	.0168	-.0121	1.610	-.0009	.0024	6.421	.0093
#2	.1110	.2228	.0164	-.0142	1.618	-.0003	.0005	6.333	.0094

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0315**	**6.842**	**.0037**	**.2788**	**.0252**	**.6075**	**-.0252**
Stddev	.0000	.093	.0001	.0007	.0013	.0012	.0008
%RSD	.0856	1.360	3.235	.2476	5.145	.1921	3.054
#1	.0315	6.776	.0036	.2793	.0261	.6066	-.0246
#2	.0314	6.907	.0038	.2783	.0243	.6083	-.0257

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**5132.9**	**128350.**	**10894.**
Stddev	2.6	455.	15.
%RSD	.05091	.35421	.13491
#1	5131.1	128030.	10904.
#2	5134.8	128670.	10883.

Zoom In Zoom Out

Sample Name: MC27138-4 Acquired: 12/17/2013 0:24:01 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0111**	**29.57**	**.0532**	**.0030**	**.0646**	**.1768**	**.0010**	**27.75**	**.0065**
Stddev	.0003	.28	.0001	.0032	.0003	.0027	.0000	.39	.0001
%RSD	3.058	.9482	.1020	108.6	.5039	1.502	4.318	1.409	1.656
#1	.0108	29.76	.0532	.0007	.0649	.1787	.0010	28.03	.0064
#2	.0113	29.37	.0532	.0052	.0644	.1750	.0011	27.47	.0066

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.2018**	**.5304**	**1.826**	**F 230.9**	**3.129**	**26.99**	**1.780**	**.0372**	**.4590**
Stddev	.0006	.0225	.077	4.8	.012	.34	.070	.0004	.0032
%RSD	.2783	4.241	4.198	2.069	.3879	1.271	3.924	1.200	.7020
#1	.2014	.5145	1.772	234.3	3.137	27.24	1.731	.0369	.4613
#2	.2022	.5463	1.880	227.5	3.120	26.75	1.829	.0375	.4567

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.9839**	**.1543**	**.0184**	**-.0207**	**.6364**	**.0056**	**-.0022**	**7.317**	**.0915**
Stddev	.0020	.0000	.0031	.0031	.0003	.0002	.0020	.089	.0005
%RSD	.2075	.0059	17.10	15.11	.0443	4.433	90.64	1.223	.5092
#1	.9825	.1543	.0206	-.0185	.6362	.0055	-.0008	7.254	.0912
#2	.9854	.1543	.0161	-.0229	.6366	.0058	-.0036	7.381	.0918

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.6500**	**1.363**	**.0023**	**.0938**	**.0650**	**.1842**	**-.0032**
Stddev	.0117	.053	.0001	.0038	.0032	.0006	.0039
%RSD	1.806	3.869	4.149	4.034	4.942	.3012	123.0
#1	.6583	1.326	.0023	.0911	.0627	.1839	-.0060
#2	.6417	1.400	.0024	.0965	.0672	.1846	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4698.9**	**120680.**	**10116.**
Stddev	8.2	3603.	160.
%RSD	.17535	2.9856	1.5862
#1	4704.7	123220.	10003.
#2	4693.1	118130.	10230.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/17/2013 0:28:49 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2397**	**10.05**	**2.046**	**-.0018**	**2.108**	**1.993**	**1.934**	**9.608**	**1.986**
Stddev	.0005	.02	.002	.0005	.000	.007	.002	.016	.001
%RSD	.2053	.1991	.0759	30.16	.0133	.3525	.0902	.1632	.0292
#1	.2400	10.06	2.047	-.0021	2.108	1.998	1.935	9.597	1.986
#2	.2393	10.04	2.044	-.0014	2.108	1.988	1.932	9.619	1.987

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.093**	**1.873**	**2.011**	**9.311**	**9.956**	**9.556**	**1.972**	**2.012**	**9.788**
Stddev	.000	.006	.001	.011	.005	.027	.004	.005	.002
%RSD	.0093	.3125	.0343	.1224	.0474	.2872	.1827	.2691	.0204
#1	2.093	1.877	2.011	9.303	9.959	9.536	1.974	2.008	9.789
#2	2.093	1.869	2.010	9.319	9.952	9.575	1.969	2.016	9.786

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.919**	**2.042**	**.0013**	**-.0101**	**-.0013**	**2.090**	**2.052**	**.0379**	**2.013**
Stddev	.000	.000	.0001	.0020	.0005	.000	.001	.0009	.001
%RSD	.0145	.0166	8.973	19.30	35.07	.0205	.0537	2.419	.0297
#1	1.919	2.043	.0014	-.0115	-.0016	2.090	2.053	.0385	2.013
#2	1.920	2.042	.0012	-.0088	-.0010	2.090	2.051	.0372	2.012

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.900**	**1.887**	**2.093**	**1.873**	**-.0064**	**1.956**	**.0021**
Stddev	.001	.005	.002	.006	.0026	.001	.0023
%RSD	.0279	.2560	.0845	.3477	39.93	.0238	104.8
#1	1.901	1.890	2.092	1.877	-.0082	1.956	.0037
#2	1.900	1.883	2.095	1.868	-.0046	1.956	.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4633.0**	**115260.**	**9770.2**
Stddev	4.9	195.	45.1
%RSD	.10583	.16914	.46137
#1	4629.6	115130.	9802.1
#2	4636.5	115400.	9738.3

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/17/2013 0:33:36 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.0086**	**.0011**	**-.0010**	**.0016**	**.0000**	**.0001**	**.0005**	**.0001**
Stddev	.0001	.0002	.0006	.0002	.0002	.000	.0001	.0011	.0000
%RSD	33.85	2.528	52.08	18.04	14.89	421.9	207.6	213.4	43.42
#1	.0005	.0088	.0007	-.0009	.0017	-.0001	.0000	-.0003	.0001
#2	.0003	.0085	.0015	-.0011	.0014	.0001	.0001	.0012	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0002**	**.0005**	**.0034**	**.1123**	**.0177**	**.0000**	**.0029**	**.0357**
Stddev	.000	.0003	.0001	.0001	.0032	.0009	.0001	.0007	.0007
%RSD	171.7	144.3	25.27	3.049	2.843	5.312	793.5	26.11	1.857
#1	-.0001	.0004	.0006	.0034	.1146	.0184	.0000	.0034	.0352
#2	.0000	.0000	.0004	.0035	.1101	.0171	.0000	.0023	.0362

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0004**	**-.0003**	**-.0001**	**.0030**	**-.0001**	**-.0001**	**.0018**	**.0088**	**.0004**
Stddev	.0001	.0009	.0007	.0015	.0019	.0003	.0004	.0020	.0002
%RSD	18.72	344.7	564.8	49.80	2548.	199.0	23.24	22.37	54.00
#1	.0005	-.0009	-.0006	.0020	.0013	-.0003	.0021	.0102	.0005
#2	.0004	.0004	.0004	.0041	-.0015	.0001	.0015	.0074	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0003**	**.0008**	**.0005**	**.0002**	**.0000**	**-.0032**
Stddev	.0000	.0000	.0004	.0002	.0009	.000	.0002
%RSD	70.33	16.87	49.61	35.43	440.0	251.9	7.355
#1	.0001	.0003	.0011	.0006	-.0004	.0000	-.0030
#2	.0000	.0003	.0005	.0003	.0009	.0000	-.0033

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4614.1**	**114100.**	**9811.5**
Stddev	10.5	92.	92.1
%RSD	.22731	.08089	.93870
#1	4621.6	114170.	9746.3
#2	4606.7	114040.	9876.6

Zoom In Zoom Out

Sample Name: CRIA Acquired: 12/17/2013 0:38:34 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0053**	**.2060**	**.0102**	**-.0005**	**.1084**	**.0497**	**.0039**	**4.843**	**.0043**
Stddev	.0004	.0061	.0012	.0006	.0004	.0001	.0000	.012	.0000
%RSD	8.060	3.187	11.62	109.7	.3549	.1754	.6251	.2503	.8113
#1	.0056	.2107	.0110	-.0001	.1087	.0497	.0040	4.834	.0043
#2	.0050	.2014	.0093	-.0009	.1082	.0498	.0039	4.851	.0043

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0532**	**.0100**	**.0253**	**.0983**	**5.069**	**4.846**	**.0153**	**.1041**	**5.003**
Stddev	.0001	.0002	.0004	.0014	.001	.051	.0001	.0000	.016
%RSD	.2106	2.016	1.657	1.406	.0260	1.055	.8391	.0077	.3188
#1	.0532	.0099	.0256	.0973	5.068	4.882	.0153	.1041	5.014
#2	.0533	.0101	.0250	.0993	5.070	4.810	.0154	.1041	4.992

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0400**	**.0107**	**-.0005**	**.0044**	**-.0004**	**.0118**	**.0117**	**.0125**	**.1017**
Stddev	.0001	.0001	.0007	.0009	.0016	.0007	.0012	.0007	.0000
%RSD	.2834	.6955	133.4	21.53	368.8	5.785	10.68	5.808	.0370
#1	.0401	.0108	.0000	.0037	.0007	.0113	.0108	.0130	.1018
#2	.0399	.0107	-.0010	.0050	-.0015	.0123	.0126	.0120	.1017

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0093**	**.0481**	**.0108**	**.0101**	**.0022**	**.0205**	**-.0036**
Stddev	.0001	.0003	.0003	.0000	.0022	.0001	.0003
%RSD	.5614	.7249	2.517	.4362	97.03	.7210	8.429
#1	.0094	.0483	.0106	.0102	.0007	.0204	-.0038
#2	.0093	.0478	.0109	.0101	.0038	.0206	-.0034

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4611.2**	**114810.**	**9684.9**
Stddev	6.2	74.	66.5
%RSD	.13465	.06483	.68695
#1	4606.9	114860.	9637.9
#2	4615.6	114750.	9732.0

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/17/2013 0:43:27 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0004	536.3	.0011	.0017	.0010	-.0005	.0000	444.5	.0007
Stddev	.0003	4.7	.0006	.0004	.0002	.0000	.0001	.2	.0001
%RSD	72.77	.8824	50.95	22.22	24.00	2.725	1221.	.0450	14.57
#1	.0002	533.0	.0016	.0020	.0011	-.0005	-.0001	444.7	.0007
#2	.0006	539.7	.0007	.0014	.0008	-.0005	.0001	444.4	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0005	-.0001	-.0044	177.6	.1592	490.0	.0003	-.0021	.0493
Stddev	.0001	.0004	.0000	1.9	.0069	5.4	.0000	.0002	.0034
%RSD	12.79	556.4	.3567	1.089	4.354	1.094	15.02	10.65	6.860
#1	-.0005	.0002	-.0044	176.2	.1641	486.2	.0003	-.0019	.0517
#2	-.0006	-.0004	-.0044	178.9	.1543	493.8	.0003	-.0023	.0469

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0039	-.0007	-.0089	-.0030	.0942	.0014	-.0015	.0507	-.0019
Stddev	.0001	.0014	.0007	.0037	.0011	.0001	.0028	.0000	.0003
%RSD	2.250	214.1	7.427	124.0	1.197	9.143	191.5	.0340	18.25
#1	-.0038	-.0017	-.0093	-.0055	.0950	.0015	-.0035	.0507	-.0017
#2	-.0039	.0003	-.0084	-.0004	.0934	.0013	.0005	.0507	-.0022

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0076	.0054	-.0010	.0005	-.0122	-.0004	-.0012
Stddev	.0002	.0000	.0004	.0004	.0024	.0001	.0003
%RSD	2.093	.5420	37.93	85.70	19.41	22.73	24.29
#1	-.0077	.0053	-.0008	.0002	-.0138	-.0003	-.0010
#2	-.0075	.0054	-.0013	.0008	-.0105	-.0005	-.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4258.9	106770.	9310.9
Stddev	1.2	7.	137.2
%RSD	.02850	.00699	1.4737
#1	4258.1	106770.	9407.9
#2	4259.8	106760.	9213.9

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/17/2013 0:48:28 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.9962	526.9	2.154	.4822	1.019	.5040	.4570	437.5	1.005
Stddev	.0021	4.1	.008	.0009	.003	.0066	.0042	.1	.004
%RSD	.2130	.7732	.3698	.1868	.2581	1.305	.9288	.0182	.4058
#1	.9977	524.1	2.148	.4829	1.017	.4993	.4540	437.5	1.002
#2	.9947	529.8	2.160	.4816	1.021	.5086	.4600	437.6	1.007

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.4700	.4409	.4937	173.5	.0969	482.1	.4689	.9387	.0392
Stddev	.0010	.0007	.0025	2.1	.0189	7.6	.0007	.0043	.0090
%RSD	.2117	.1604	.5085	1.210	19.46	1.580	.1571	.4583	22.87
#1	.4693	.4414	.4955	172.0	.0836	476.7	.4694	.9357	.0456
#2	.4707	.4404	.4919	175.0	.1102	487.5	.4684	.9418	.0329

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.8275	.9004	.4482	.4570	.5511	2.126	2.047	2.174	.9387
Stddev	.0029	.0043	.0023	.0030	.0004	.008	.004	.002	.0046
%RSD	.3519	.4827	.5099	.6585	.0658	.3733	.1935	.0972	.4878
#1	.8254	.8973	.4498	.4591	.5509	2.121	2.044	2.172	.9354
#2	.8295	.9034	.4466	.4549	.5514	2.132	2.050	2.175	.9419

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.9315	.4538	1.882	.4572	1.753	.8933	.3815
Stddev	.0025	.0003	.003	.0007	.002	.0025	.0008
%RSD	.2665	.0767	.1636	.1600	.1104	.2811	.2043
#1	.9297	.4540	1.880	.4578	1.751	.8915	.3810
#2	.9332	.4535	1.884	.4567	1.754	.8951	.3821

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4250.5	106690.	9447.8
Stddev	7.1	101.	105.9
%RSD	.16673	.09466	1.1206
#1	4255.5	106760.	9522.7
#2	4245.5	106610.	9373.0

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/17/2013 0:53:25 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2376	9.989	2.030	-.0003	2.087	1.964	1.922	9.586	1.969
Stddev	.0016	.016	.005	.0003	.003	.011	.012	.028	.002
%RSD	.6747	.1615	.2669	92.09	.1564	.5800	.6395	.2913	.0750
#1	.2365	10.000	2.026	-.0005	2.085	1.972	1.931	9.605	1.970
#2	.2387	9.977	2.034	-.0001	2.089	1.956	1.914	9.566	1.968

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	2.080	1.830	1.979	9.238	9.892	9.519	1.950	2.002	9.743
Stddev	.000	.020	.015	.074	.088	.048	.022	.006	.015
%RSD	.0055	1.113	.7659	.8023	.8856	.5072	1.116	.3138	.1533
#1	2.079	1.816	1.968	9.290	9.830	9.553	1.935	1.997	9.754
#2	2.080	1.844	1.990	9.185	9.954	9.485	1.965	2.006	9.733

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	1.909	2.028	.0002	-.0093	-.0043	2.062	2.041	.0277	1.999
Stddev	.002	.003	.0002	.0011	.0012	.001	.004	.0017	.002
%RSD	.0933	.1490	139.2	11.61	28.21	.0236	.1970	6.113	.1188
#1	1.910	2.026	.0000	-.0101	-.0052	2.062	2.038	.0289	1.997
#2	1.908	2.030	.0003	-.0086	-.0035	2.062	2.044	.0265	2.001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.884	1.846	2.077	1.838	.0052	1.948	.0455
Stddev	.015	.019	.006	.018	.0057	.001	.0112
%RSD	.7885	1.051	.2793	.9894	109.6	.0314	24.50
#1	1.894	1.833	2.073	1.825	.0092	1.948	.0534
#2	1.873	1.860	2.082	1.851	.0012	1.949	.0376

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4671.6	116460.	9774.4
Stddev	8.5	995.	76.9
%RSD	.18150	.85477	.78667
#1	4677.6	117160.	9828.8
#2	4665.6	115750.	9720.1

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/17/2013 0:58:11 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0004	-.0042	.0006	-.0009	.0015	.0005	.0000	.0104	.0000
Stddev	.0003	.0091	.0001	.0003	.0004	.0002	.000	.0009	.0001
%RSD	88.70	216.7	12.18	33.32	27.44	38.78	223.0	8.674	153.0
#1	.0001	-.0106	.0006	-.0012	.0018	.0007	.0000	.0097	.0000
#2	.0006	.0022	.0007	-.0007	.0012	.0004	.0000	.0110	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0000	.0003	.0001	.0053	-.0486	.0088	.0001	.0031	.0284
Stddev	.0000	.0003	.0005	.0024	.0352	.0022	.0000	.0008	.0072
%RSD	345.4	104.1	386.2	44.90	72.39	24.59	3.343	24.71	25.36
#1	.0000	.0001	.0005	.0070	-.0734	.0073	.0001	.0037	.0233
#2	.0000	.0005	-.0002	.0036	-.0237	.0104	.0001	.0026	.0335

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0001	-.0005	-.0015	.0028	-.0007	-.0002	.0006	.0059	.0000
Stddev	.0000	.0000	.0007	.0032	.0029	.0005	.0002	.0004	.0001
%RSD	51.78	4.644	47.14	113.6	398.0	245.1	26.64	7.349	185.7
#1	.0001	-.0005	-.0020	.0051	.0013	-.0005	.0007	.0062	.0000
#2	.0001	-.0005	-.0010	.0006	-.0027	.0001	.0005	.0056	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0000	.0004	.0014	.0006	.0031	.0009	-.0039
Stddev	.0000	.0004	.0007	.0003	.0003	.0000	.0001
%RSD	9.870	88.23	49.22	56.14	10.66	.7770	2.298
#1	.0000	.0002	.0019	.0008	.0029	.0009	-.0040
#2	.0000	.0007	.0009	.0003	.0034	.0009	-.0038

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4642.8	115480.	9740.8
Stddev	22.1	254.	24.7
%RSD	.47646	.22009	.25366
#1	4658.5	115300.	9723.3
#2	4627.2	115660.	9758.3

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	0.000004	0.000000	No
			Co	0.000007	0.000000	No
			Mn	0.000117	0.000000	No
			Mo	-0.000064	0.000000	No
			Cu	0.000004	0.000000	No
			Ti	-0.000067	0.000000	No
			Al	-0.000001	0.000000	No
			Zr	0.005523	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.002154	0.000000	No
			Mo	0.045639	0.000000	No
			Ca	0.000849	0.000000	No
As 189.042 {479}	☒	10	V	-0.000041	0.000000	No
			Al	-0.000002	0.000000	No
			Mo	0.000104	0.000000	No
			Fe	-0.000002	0.000000	No
			Mn	-0.000054	0.000000	No
			Ca	0.000001	0.000000	No
			Mg	-0.000001	0.000000	No
			Cr	0.000311	0.000000	No
			Na	-0.000002	0.000000	No
			Co	-0.001649	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000260	0.000000	No
			Mn	0.011376	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.051849	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000009	0.000000	No
Be 313.042 {108}	☒	3	V	0.000458	0.000000	No
			Mo	-0.000020	0.000000	No
			Ti	-0.000304	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	4	Ni	-0.000027	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000026	0.000000	No
			Ca	0.000000	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000059	0.000000	No
			Mo	-0.000045	0.000000	No
			Ti	0.001924	0.000000	No
			Ca	0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000002	0.000000	No
			Mn	0.000203	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000085	0.000000	No
			V	-0.000112	0.000000	No
			Mo	-0.000003	0.000000	No
			Co	-0.000511	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000600	0.000000	No
			Co	-0.000015	0.000000	No
			Cr	0.000162	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000003	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000578	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Al	0.000598	0.000000	No
Ni 231.604 {446}	☒	3	Mo	-0.000403	0.000000	No
			Fe	0.000021	0.000000	No
			Ca	-0.000000	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000084	0.000000	No
			Mn	0.000082	0.000000	No
			Mo	-0.001171	0.000000	No
			Co	0.000025	0.000000	No
			Cu	0.000067	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	0.000043	0.000000	No
			Mg	0.000003	0.000000	No
			Ni	0.000265	0.000000	No
			Si	0.000030	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000342	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.006177	0.000000	No
			Ni	0.000902	0.000000	No
			Mn	-0.001770	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
S 182.034 {485}	☒	3	Al	-0.000108	0.000000	No
			Ca	-0.000041	0.000000	No
			Fe	-0.000134	0.000000	No
Sb 206.833 {463}	☒	11	Al	0.000004	0.000000	No
			Fe	0.000039	0.000000	No
			Cr	0.009310	0.000000	No
			Mo	-0.002011	0.000000	No
			Mg	0.000001	0.000000	No
			Ni	-0.000189	0.000000	No
			V	-0.001826	0.000000	No
			Ca	-0.000002	0.000000	No
			Ti	-0.000106	0.000000	No
			Cu	-0.000042	0.000000	No
			Sn	-0.009353	0.000000	No
Se 196.090 {472}	☒	7	Al	-0.000001	0.000000	No
			Fe	-0.000311	0.000000	No
			Mn	0.000602	0.000000	No
			Mo	0.000211	0.000000	No
			Ca	-0.000005	0.000000	No
			Na	-0.000001	0.000000	No
			Co	-0.000789	0.000000	No
Si 212.412 {459}	☒	3	V	0.030413	0.000000	No
			Ti	0.006483	0.000000	No
			Mo	0.043276	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.001480	0.000000	No
			Cr	0.000243	0.000000	No
			V	-0.044391	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Co	0.004887	0.000000	No
				Al	-0.000003	0.000000	No
				Fe	0.000005	0.000000	No
				Ti	-0.002460	0.000000	No
				Mo	-0.000063	0.000000	No
				Ca	-0.000004	0.000000	No
				Na	-0.000002	0.000000	No
	V 292.402 {115}	☒	3	Ti	0.000445	0.000000	No
				Mo	-0.004843	0.000000	No
				Fe	0.000018	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000141	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000003	0.000000	No
				Mn	0.000018	0.000000	No
				Ni	0.000039	0.000000	No
				Cr	-0.000497	0.000000	No
				Mo	0.000207	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000006	0.000000	No
				Na	0.000004	0.000000	No
	Zr 339.198 { 99}	☒	5	Si	0.005567	0.000000	No
				Ti	0.000761	0.000000	No
				Fe	0.000014	0.000000	No
				Sn	0.002851	0.000000	No
				V	0.002032	0.000000	No

Prep QC: MP22226

ACCUTEST

Date:	12/10/13
Time	8:10

Name:	ERICM1/MA
MP Batch ID:	MP22226
QC Sample ID:	JB53625-10

Reagent Lot #	
1:1 HNO3	
1:1 HCL	RGT-38563-METALS
Conc HNO3	VENDOR-14192
H2O2	
LCS	
Filter Paper Lot #	
Digetion Tube Lot #	1308077

Aqueous EPA 200.7/ 200.8	○
Aqueous SW846 3010A	◉
Soil- SW846 3050B	○

WW

ML Used	Spike Lot#
0.5	RGT-38580-METALS
0.5	RGT-38568-METALS
0.5	RGT-38581-METALS
0.5	RGT-38582-METALS
Spike ID	MPICP

Dig Block ID:	4	Therm ID	GN017	Temp. C	95	Factor	-1	Corrected Temp C	94
Dig Block ID:		Therm ID		Temp. C		Factor		Corrected Temp C	
Balance ID:	N/A	Repipetor ID	1						

Note: (A)Serial dilution shown for QC purposes only (not a seperate digestion). (B) For DW samples <1NTU, measure pH prior to analysis.

Bot#	Sample #	Initial ML	Final (ML)			1:1 HNO3 (ML)	Conc. HNO3 (ML)	1:1 HCL (ML)	H2O2 (ML)	Comment
	MP22226-MB1	50	50				3	5		
	MP22226-B1	50	50				3	5		
1	MP22226-S1	50	50				3	5		
1	MP22226-SD1	50	50				3	5		
1	MP22226-S2	50	50				3	5		
1	JB53625-10	50	50				3	5		
1	JB53625-11	50	50				3	5		
1	JB53625-12	50	50				3	5		
1	JB53625-13	50	50				3	5		
1	MC26923-8	50	50				3	5		HEAVY SEDIMENT.
1	JB53303-3	50	50				3	5		
2	JB53303-3F	50	50				3	5		
2	MC26964-11	50	50				2	5		

Protected Worksheet MMP003-02 QC Review PuiY Date: 12/12/13

(Format edits must be done by dept. Manager)

9.7.1

6

Prep QC: MP22249

ACCUTEST

Date:	12/12/13
Time	14:10

Name:	ERICM1/MA
MP Batch ID:	MP22249
QC Sample ID:	MC26883-9

Reagent Lot #	
1:1 HNO3	RGT-38562-METALS
Conc HCL	VENDOR-14315
Conc HNO3	VENDOR-14314
H2O2	VENDOR13916
LCS	VENDOR-14293
Filter Paper Lot #	20417171
Digetion Tube Lot #	1308077

Aqueous EPA 200.7/ 200.8	○
Aqueous SW846 3010A	○
Soil- SW846 3050B	◉

ML Used	Spike Lot#
1	RGT-38580-METALS
1	RGT-38568-METALS
1	RGT-38581-METALS
1	RGT-38582-METALS
Spike ID	MPICP

Dig Block ID:	5	Therm ID	QA010	Temp. C	95	Factor	-1.5	Corrected Temp C	93.5
Dig Block ID:		Therm ID		Temp. C		Factor		Corrected Temp C	
Balance ID:	ACC-3	Repipetor ID	1						

Note: (A)Serial dilution shown for QC purposes only (not a seperate digestion). (B) For DW samples <1NTU, measure pH prior to analysis.

Bot#	Sample #	Initial G	Final (ML)			1:1 HNO3 (ML)	Conc. HNO3 (ML)	Conc HCL (ML)	H2O2 (ML)	Comment
	MP22249-LC1	1	100			10	5	10	3	
	MP22249-MB1	1	100			10	5	10	3	
	MP22249-B1	1	100			10	5	10	3	
2	MP22249-S1	1.28	100			10	5	10	3	
2	MP22249-SD1	1.26	100			10	5	10	3	
	MP22249-B2	1	100			10	5	10	3	
2	MP22249-S2	1.26	100			10	5	10	3	
1	JB54617-7	1.21	100			10	5	10	3	
1	MC26713-10	1.28	100			10	5	10	3	
1	MC26713-11	1.24	100			10	5	10	3	
1	MC26713-8	1.22	100			10	5	10	3	
2	MC26713-9	1.25	100			10	5	10	3	
2	MC26883-10	1.32	100			10	5	10	3	
2	MC26883-8	1.28	100			10	5	10	3	
2	MC26883-9	1.26	100			10	5	10	3	
1	MC26964-1	1.24	100			10	5	10	3	
1	MC26964-2	1.25	100			10	5	10	3	
1	MC26964-3	1.31	100			10	5	10	3	
1	MC26964-4	1.26	100			10	5	10	3	
1	MC26964-8	1.24	100			10	5	10	3	
1	MC26997-3	1.23	100			10	5	10	3	
1	MC26997-4	1.27	100			10	5	10	3	
1	MC26997-5	1.22	100			10	5	10	3	
1	MC26997-6	1.26	100			10	5	10	3	

Protected Worksheet MMP003-02 QC Review PuiY Date: 12/16/13

(Format edits must be done by dept. Manager)

9.7.2

9

HG AQ: SW846 7470A

AQ ◉ SO ○ **Analysis: Hg**

Protected Worksheet
Format edits must be done by Dept. Manager

MP#	MP22251	Date	12/13/13	Balance ID	N/A	Pipet ID	1	Prep Analyst	EM/MA		
Dig Block ID	1	Therm ID	GN011	Temp	95	Factor	-1.5	Corr. Temp. Deg C	93.5	Start Time	8:33	End Time	10:33
Dig Block ID	1	Therm ID	GN011	Temp	95	Factor	-1.5	Corr. Temp. Deg C	93.5	Start Time	8:55	End Time	10:55
MA#	MA16553	Date	12/13/13	Run File	H2121313W1.PRN	Calib File	2121313W	Analyst	SARAHA		

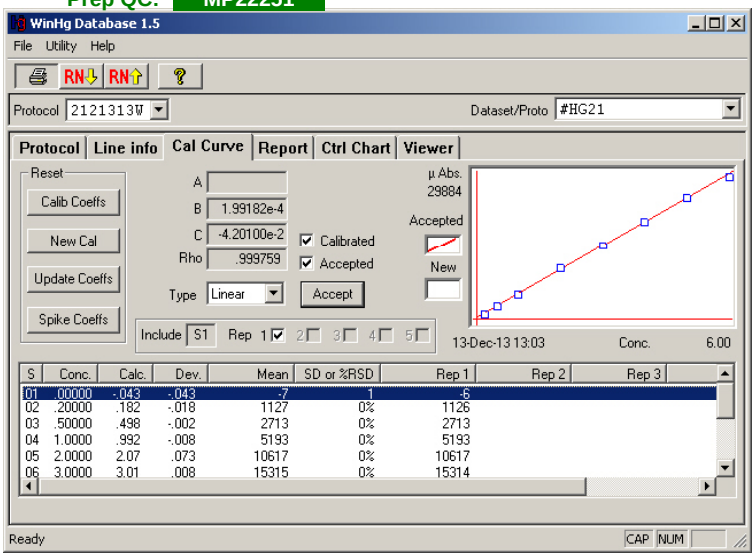
Bot#	Sample ID	Init ML	Fin ML	Block ID	Comments	Bot#	Sample ID	Init ML	Fin ML	Block ID	Comments
	RB	20	20	1		3	MC26584-14	20	20	1	
	STD#1	20	20	1	4 ml of METSTD 32201 Hg- 3	3	MC26584-15	20	20	1	
	STD#2	20	20	1	10 ml of METSTD 32201 Hg- 3	3	MC26584-16	20	20	1	
	STD#3	20	20	1	2 ml of METSTD 32201 Hg- 2	1	MC26584-21	20	20	1	
	STD#4	20	20	1	4 ml of METSTD 32201 Hg- 2	4	MC26860-2	20	20	1	
	STD#5	20	20	1	6 ml of METSTD 32201 Hg- 2	4	MC26926-1	20	20	1	
	STD#6	20	20	1	8 ml of METSTD 32201 Hg- 2	4	MC26926-2	20	20	1	
	STD#7	20	20	1	10 ml of METSTD 32201 Hg- 2	4	MC26926-3	20	20	1	
	STD#8	20	20	1	12 ml of METSTD 32201 Hg- 2	5	MC26947-4	20	20	1	
	ICV	20	20	1	8 ml of METSTD 32202 Hg- 2	2	MC26964-11	20	20	1	BLUE COLOR.
	CCV	20	20	1	6 ml of METSTD 32201 Hg- 2	4	MC27036-1	20	20	1	
	CRI	20	20	1	4 ml of METSTD 32201 Hg- 3	4	MC27036-2	20	20	1	
	ICB	20	20	1		4	MC27036-3	20	20	1	
	CCB	20	20	1		4	MC27036-4	20	20	1	SOME SEDIMENT PRESENT
	MB	20	20	1		5	MC27046-1	20	20	1	SOME SEDIMENT PRESENT
	SB	20	20	1	0.6 ml of METSTD 32201 Hg- 1	1	MC27046-2	20	20	1	SOME SEDIMENT PRESENT
	SBD	20	20	1	0.6 ml of METSTD 32201 Hg- 1	1	MC27055-3	20	20	1	
11	MS MC26860-1	20	20	1	0.6 ml of METSTD 32201 Hg- 1						
11	MSD MC26860-1	20	20	1	0.6 ml of METSTD 32201 Hg- 1						
11	MC26860-1	20	20	1	SOME SEDIMENT PRESENT.						
	MC17591-1C	20	20	1	3 ml of METSTD 32201 Hg- 3						
	MC17591-2C	20	20	1	4 ml of METSTD 32201 Hg- 3						

Reagent Lot#

Pot. Permanganate	RGT-	38657	_HG	Stannous Chloride	RGT-	38783	_HG	Conc. HNO3	Vendor- 14314
Pot. Persulfate	RGT-	38671	_HG	Stannous Sulfate	RGT-	****N/A****	_HG	Conc. H2SO4	Vendor- 14009
Hydroxylamine.SO4	RGT-	38661	_HG	Instrument ID:	HG-2			Dig.Tubes	1308077

Comment:

QC Review: PuiY **Date:** 12/17/13 **MMA015-02**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Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 1.99182e-4
C -4.20100e-2
Rho .999759
Type Linear
Calibrated
Accepted
Accept
µ Abs.
29884
Accepted
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02 .20000 .182 -.018 1127 0% 1126
03 .50000 .498 -.002 2713 0% 2713
04 1.0000 .992 -.008 5193 0% 5193
05 2.0000 2.07 .073 10617 0% 10617
06 3.0000 3.01 .008 15315 0% 15314
Ready
CAP NUM

HG SO: SW846 7471B

AQ ○ SO ◉ **Analysis: Hg**

Protected Worksheet
Format edits must be done by Dept. Manager

MP#	MP22259	Date	12/16/13	Balance ID	ACC-3	Pipet ID	N/A	Prep Analyst	EM				
Dig Block ID	5	Therm ID	QA010	Temp	96	Factor	-1.5	Corr. Temp. Deg C	94.5	Start Time	7:45	End Time	8:15
Dig Block ID	5	Therm ID	QA010	Temp	96	Factor	-1.5	Corr. Temp. Deg C	94.5	Start Time	9:50	End Time	10:20
MA#	MA16563	Date	12/16/13	Run File	H2121613S2.PRN			Calib File	121613S1			Analyst	SARAHA

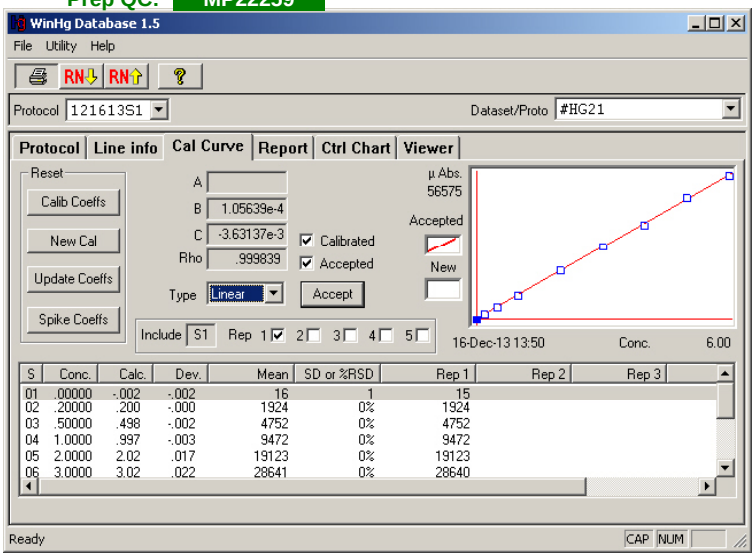
Bot#	Sample ID	Init G	Fin ML	Block ID	Comments						Bot#	Sample ID	Init G	Fin ML	Block ID	Comments
	RB		100	5							3	MC26697-3	0.73	100	5	
	STD#1		100	5	2	ml of METSTD	32225	Hg-	2		3	MC26697-4	0.73	100	5	
	STD#2		100	5	5	ml of METSTD	32225	Hg-	2		1	MC26697-5	0.87	100	5	
	STD#3		100	5	1	ml of METSTD	32225	Hg-	1		1	MC26885-1	0.65	100	5	
	STD#4		100	5	2	ml of METSTD	32225	Hg-	1		1	MC26885-2	0.68	100	5	
	STD#5		100	5	3	ml of METSTD	32225	Hg-	1		1	MC26885-3	0.64	100	5	
	STD#6		100	5	4	ml of METSTD	32225	Hg-	1		1	MC26964-1	0.68	100	5	
	STD#7		100	5	5	ml of METSTD	32225	Hg-	1		1	MC26964-2	0.66	100	5	
	STD#8		100	5	6	ml of METSTD	32225	Hg-	1		1	MC26964-3	0.67	100	5	
	ICV		100	5	4	ml of METSTD	32226	Hg-	1		1	MC26964-4	0.68	100	5	
	CCV		100	5	3	ml of METSTD	32225	Hg-	1		1	MC26964-8	0.66	100	5	
	CRI		100	5	2	ml of METSTD	32225	Hg-	2		4	MC27080-1	0.65	100	5	
	ICB		100	5							2	MC27093-1	0.63	100	5	
	CCB		100	5							1	MC27138-12	0.67	100	5	
*	MB	0.6	100	5							1	MC27138-13	0.68	100	5	
*	SB	0.6	100	5	3	ml of METSTD	32225	Hg-	1		1	MC27138-14	0.68	100	5	
*	SBD	0.6	100	5	3	ml of METSTD	32225	Hg-	1		1	MC27138-15	0.64	100	5	
1	MS MC27138-11	0.66	100	5	3	ml of METSTD	32225	Hg-	1			MP22259-LC1	0.6	100	5	VENDOR-14293
1	MSD MC27138-11	0.66	100	5	3	ml of METSTD	32225	Hg-	1							
1	MC27138-11	0.65	100	5												
1	MC26697-1	0.73	100	5												
3	MC26697-2	0.87	100	5												

Reagent Lot#

Pot. Permanganate	RGT-	38706	_HG	Stannous Chloride	RGT-	38786	_HG	Conc. HNO3	Vendor- ***N/A***
Aqua Regia	RGT-	38782	_HG	Stannous Sulfate	RGT-	****N/A****	_HG	Conc. H2SO4	Vendor- ***N/A***
Hydroxylamine.SO4	RGT-	38661	_HG	Instrument ID:	HG-2			Dig.Tubes	1308077

Comment: *USED SAND: VENDOR-12599

QC Review: PuiY **Date:** 12/17/13 **MMA015-02**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Spike Coeffs
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02 .20000 .200 -.000 1924 0% 1924
03 .50000 .498 -.002 4752 0% 4752
04 1.0000 .997 -.003 9472 0% 9472
05 2.0000 2.02 .017 19123 0% 19123
06 3.0000 3.02 .022 28641 0% 28640
Ready
CAP NUM

New England ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP17001/GN45427	0.010	0.0	mg/l	0.1	0.107	107.0	90-110%
Cyanide	GP17001/GN45427			mg/l	0.2	0.211	105.5	90-110%
Cyanide	GP17029/GN45503	0.12	0.0	mg/kg	1.2	1.15	95.8	90-110%
Cyanide	GP17029/GN45503			mg/kg	2.4	2.42	100.8	90-110%
Cyanide	GP17029/GN45503			mg/kg	46.7	46.6	99.8	19-114%

Associated Samples:
Batch GP17001: MC26964-11
Batch GP17029: MC26964-1, MC26964-2, MC26964-3, MC26964-4
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Cyanide	GP17001/GN45427	mg/l	0.1	0.104	2.8	20%
Cyanide	GP17029/GN45503	mg/kg	1.2	1.27	9.9	

Associated Samples:
Batch GP17001: MC26964-11
Batch GP17029: MC26964-1, MC26964-2, MC26964-3, MC26964-4
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP17001/GN45427	MC26860-1	mg/l	0.0027	0.0027	0.0	0-20%
Cyanide	GP17029/GN45503	MC27138-16	mg/kg	0.0	0.030	200.0(a)	0-20%
Solids, Percent	GN45471	MC26993-14	%	85.3	85.2	0.1	0-20%

Associated Samples:
Batch GN45471: MC26964-1, MC26964-2, MC26964-3, MC26964-4, MC26964-6, MC26964-7, MC26964-8, MC26964-9, MC26964-12
Batch GP17001: MC26964-11
Batch GP17029: MC26964-1, MC26964-2, MC26964-3, MC26964-4
(*) Outside of QC limits
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP17001/GN45427	MC26860-1	mg/l	0.0027	0.1	0.11	107.3	75-125%
Cyanide	GP17029/GN45503	MC27138-16	mg/kg	0.0	1.25	1.4	112.4	75-125%

Associated Samples:
Batch GP17001: MC26964-11
Batch GP17029: MC26964-1, MC26964-2, MC26964-3, MC26964-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: 121013W1.CN Date Analyzed: 12/10/13 Methods: SW846 9012
Analyst: MA Run ID: GN45427
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:19	GN45427-STD1	1		STDA0.50
12:20	GN45427-STD2	1		STDB0.30
12:21	GN45427-STD3	1		STDC0.20
12:22	GN45427-STD4	1		STDD0.10
12:23	GN45427-STD5	1		STDE0.030
12:24	GN45427-STD6	1		STDF0.010
12:25	GN45427-STD7	1		STDG0.00
13:40	GN45427-ICV1	1		
13:41	GN45427-ICB1	1		
13:42	GN45427-CCV1	1		
13:44	GN45427-CCB1	1		
13:45	GP17001-MB1	1		
13:46	GP17001-B1	1		
13:47	GP17001-B2	1		
13:48	GP17001-B3	1		
13:49	GP17001-S1	1		
13:50	GP17001-D1	1		
13:51	MC26860-1	1		(sample used for QC only; not part of login MC26964)
13:52	ZZZZZZ	1		
13:53	ZZZZZZ	1		
13:54	ZZZZZZ	1		
13:55	GN45427-CCV2	1		
13:56	GN45427-CCB2	1		
13:57	ZZZZZZ	1		
13:58	ZZZZZZ	1		
13:59	ZZZZZZ	1		
14:00	ZZZZZZ	1		
14:01	ZZZZZZ	1		
14:02	ZZZZZZ	1		
14:03	ZZZZZZ	1		
14:04	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:07	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: 121013W1.CN Date Analyzed: 12/10/13 Methods: SW846 9012
Analyst: MA Run ID: GN45427
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:08	GN45427-CCV3	1		
14:09	GN45427-CCB3	1		
14:10	ZZZZZZ	1		
14:11	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:13	ZZZZZZ	1		DNR, offscale
14:14	GN45427-CCV4	1		
14:15	GN45427-CCB4	1		
15:00	GN45427-CCV5	1		
15:01	GN45427-CCB5	1		
15:02	MC26964-11	10		
15:03	ZZZZZZ	1		DNR, confirmation only
15:04	GN45427-CCV6	1		
15:05	GN45427-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: 121013W1.CN Date Analyzed: 12/10/13 Methods: SW846 9012
Run ID: GN45427 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN45427-ICV1	Cyanide	0.21	0.010	0.0023	.2	105.0	90-110
GN45427-ICB1	Cyanide	-0.0038	0.010	0.0023			
GN45427-CCV1	Cyanide	0.31	0.010	0.0023	.3	103.3	90-110
GN45427-CCB1	Cyanide	-0.0040	0.010	0.0023			
GN45427-CCV2	Cyanide	0.31	0.010	0.0023	.3	103.3	90-110
GN45427-CCB2	Cyanide	-0.0040	0.010	0.0023			
GN45427-CCV3	Cyanide	0.31	0.010	0.0023	.3	103.3	90-110
GN45427-CCB3	Cyanide	-0.0037	0.010	0.0023			
GN45427-CCV4	Cyanide	0.31	0.010	0.0023	.3	103.3	90-110
GN45427-CCB4	Cyanide	-0.0038	0.010	0.0023			
GN45427-CCV5	Cyanide	0.31	0.010	0.0023	.3	103.3	90-110
GN45427-CCB5	Cyanide	-0.0025	0.010	0.0023			
GN45427-CCV6	Cyanide	0.31	0.010	0.0023	.3	103.3	90-110
GN45427-CCB6	Cyanide	-0.0029	0.010	0.0023			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: 121613S4.CN Date Analyzed: 12/16/13 Methods: SW846 9012 M
Analyst: MA Run ID: GN45503
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:26	GN45503-STD1	1		STDA0.50
12:27	GN45503-STD2	1		STDB0.30
12:28	GN45503-STD3	1		STDC0.20
12:29	GN45503-STD4	1		STDD0.10
12:30	GN45503-STD5	1		STDE0.030
12:31	GN45503-STD6	1		STDF0.010
12:32	GN45503-STD7	1		STDG0.00
14:42	GN45503-ICV1	1		
14:43	GN45503-ICB1	1		
14:44	GN45503-CCV1	1		
14:45	GN45503-CCB1	1		
14:46	GP17029-MB1	1		
14:47	GP17029-B1	1		
14:48	GP17029-B2	1		
14:49	GP17029-B3	1		
14:50	GP17029-LC1	20		
14:51	GP17029-S1	1		
14:52	GP17029-D1	1		
14:53	MC27138-16	1		(sample used for QC only; not part of login MC26964)
14:54	ZZZZZZ	1		
14:55	ZZZZZZ	1		
14:56	GN45503-CCV2	1		
14:57	GN45503-CCB2	1		
14:58	ZZZZZZ	1		
15:00	ZZZZZZ	1		DNR, offscale
15:01	ZZZZZZ	1		DNR, offscale
15:02	ZZZZZZ	1		DNR, air bubble
15:03	MC26964-4	1		
15:04	GN45503-CCV3	1		
15:05	GN45503-CCB3	1		
16:16	GN45503-CCV4	1		
16:17	GN45503-CCB4	1		
16:19	MC26964-1	10		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: 121613S4.CN Date Analyzed: 12/16/13 Methods: SW846 9012 M
Analyst: MA Run ID: GN45503
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:20	MC26964-2	5		
16:21	MC26964-3	1		
16:22	GN45503-CCV5	1		
16:23	GN45503-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: MC26964
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: 121613S4.CN Date Analyzed: 12/16/13 Methods: SW846 9012 M
Run ID: GN45503 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN45503-ICV1	Cyanide	0.19	0.010	0.0021	.2	95.0	90-110
GN45503-ICB1	Cyanide	-0.0036	0.010	0.0021			
GN45503-CCV1	Cyanide	0.32	0.010	0.0021	.3	106.7	90-110
GN45503-CCB1	Cyanide	-0.0031	0.010	0.0021			
GN45503-CCV2	Cyanide	0.31	0.010	0.0021	.3	103.3	90-110
GN45503-CCB2	Cyanide	-0.0040	0.010	0.0021			
GN45503-CCV3	Cyanide	0.30	0.010	0.0021	.3	100.0	90-110
GN45503-CCB3	Cyanide	-0.0022	0.010	0.0021			
GN45503-CCV4	Cyanide	0.29	0.010	0.0021	.3	96.7	90-110
GN45503-CCB4	Cyanide	-0.0037	0.010	0.0021			
GN45503-CCV5	Cyanide	0.30	0.010	0.0021	.3	100.0	90-110
GN45503-CCB5	Cyanide	-0.0044	0.010	0.0021			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MC26964-1 **Analyzed:** 13-DEC-13 by HS **Method:** SM21 2540 B MOD.
ClientID: LBA-SB-512 (0.5)

Wet Weight (Total)	38.296	g
Tare Weight	26.118	g
Dry Weight (Total)	36.622	g
Solids, Percent	86.3	%

Sample: MC26964-2 **Analyzed:** 13-DEC-13 by HS **Method:** SM21 2540 B MOD.
ClientID: LBA-SB-513 (6.5-7.5)

Wet Weight (Total)	32.523	g
Tare Weight	23.531	g
Dry Weight (Total)	31.34	g
Solids, Percent	86.8	%

Sample: MC26964-3 **Analyzed:** 13-DEC-13 by HS **Method:** SM21 2540 B MOD.
ClientID: LBA-SB-514 (1)

Wet Weight (Total)	29.428	g
Tare Weight	22.027	g
Dry Weight (Total)	28.727	g
Solids, Percent	90.5	%

Sample: MC26964-4 **Analyzed:** 13-DEC-13 by HS **Method:** SM21 2540 B MOD.
ClientID: LBA-SB-515 (1)

Wet Weight (Total)	32.794	g
Tare Weight	20.045	g
Dry Weight (Total)	30.658	g
Solids, Percent	83.2	%

Sample: MC26964-6 **Analyzed:** 13-DEC-13 by HS **Method:** SM21 2540 B MOD.
ClientID: LBA-SB-517 (1-1.5)

Wet Weight (Total)	39.235	g
Tare Weight	26.953	g
Dry Weight (Total)	37.806	g
Solids, Percent	88.4	%

Sample: MC26964-7 **Analyzed:** 13-DEC-13 by HS **Method:** SM21 2540 B MOD.
ClientID: LBA-SB-518 (3-4)

Wet Weight (Total)	35.127	g
Tare Weight	23.166	g
Dry Weight (Total)	34.551	g
Solids, Percent	95.2	%

Percent Solids Raw Data Summary

Job Number: MC26964
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MC26964-8 **Analyzed:** 13-DEC-13 by HS **Method:** SM21 2540 B MOD.
ClientID: LBA-SB-518 (4-6)

Wet Weight (Total)	37.925	g
Tare Weight	26.198	g
Dry Weight (Total)	36.124	g
Solids, Percent	84.6	%

Sample: MC26964-9 **Analyzed:** 13-DEC-13 by HS **Method:** SM21 2540 B MOD.
ClientID: LBA-SB-518 (8)

Wet Weight (Total)	40.371	g
Tare Weight	29.728	g
Dry Weight (Total)	39.063	g
Solids, Percent	87.7	%

Sample: MC26964-12 **Analyzed:** 13-DEC-13 by HS **Method:** SM21 2540 B MOD.
ClientID: LBA-SB-519 (8)

Wet Weight (Total)	26.942	g
Tare Weight	18.882	g
Dry Weight (Total)	25.913	g
Solids, Percent	87.2	%

10.7
10

New England ACCUTEST LABORATORIES

General Chemistry

Raw Data

ACCUTEST

Protected Worksheet MGN117-02
(Format edits must be done by Dept. manager)

Analyst	MEHDIA	**Test/Analysis**	CN SW846 9012
Date	12/10/13	**Analysis Batch ID**	GN45427
Instrument ID	LACHAT	**Prep Batch ID**	GP17001
File ID	121013W1.CN,121013W2.CN		

Reagents

Calib STD	GNSTD-	32158-CN	**Buffer**	RGT-	38629-CN
ICV	GNSTD-	32154-CN-2	**Carrier**	RGT-	38316-CN
CCV	GNSTD-	32158-CN-4	**Chloramine-T**	RGT-	38659-CN
			Pyridine Barb. Acid	RGT-	38596-CN

Standardization

Reagent/Stock Std:	NA ◉	Cyanide ○	
-	-	-	-

Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH

COMMENTS

Cyanide stock standardization was performed on 12/03/13 (GN45350).

QC Review **Date:** 12/10/13

ACCUTEST

Distillation

Protected Worksheet MGN127-01

(Format edits must be done by Dept. manager)

Analyst:	MEHDIA	Date	12/10/13	Batch ID	GP17001	Matrix	Aqueous
QC Sample	MC26860-1	Balance ID	N/A	pH Meter ID	N/A	Block ID	MICRO

Analysis Type

CN EPA 335.4 ○	CN SW846 9010B ◉	CN-A SM21 4500CN-G/335.4 ○	CN-A SW846 9010 ○
PAC MADEP ○	CREAC Chap 7 ○	SREAC Chap7 ○	CNWAD SM20 4500CN-I ○

Sample ID	Bot #	ID	Interfere Chk CL	Interfere Chk S	Init. pH	SMPL Amt ML	DIST Vol ML	Start Time	End Time	Comments/Spike
GP17001-MB1		N/A	ND	ND	>12	6	6	9:53	10:23	
GP17001-B1		N/A	ND	ND	>12	6	6	9:53	10:23	0.10 ML OF SPIKE
GP17001-S1	7	N/A	ND	ND	>12	6	6	9:53	10:23	0.10 ML OF SPIKE
GP17001-D1	7	N/A	ND	ND	>12	6	6	9:53	10:23	
GP17001-B2		N/A	ND	ND	>12	6	6	9:53	10:23	0.10 ML OF SPIKE
GP17001-B3		N/A	ND	ND	>12	6	6	9:53	10:23	0.20 ML OF SPIKE
MC26860-1	7	N/A	ND	ND	>12	6	6	9:53	10:23	
MC26860-2	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26861-1	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26861-2	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26861-3	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26861-4	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26865-13	6	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26890-1	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26890-2	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26890-3	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26910-2	6	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26923-8	2	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26926-1	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26926-2	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26926-3	3	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26949-12	6	N/A	ND	ND	>12	6	6	10:35	11:05	
MC26964-11	1	N/A	ND	ND	>12	6	6	11:10	11:40	
MC26975-2	5	N/A	ND	ND	>12	6	6	10:35	11:05	
ICV		N/A	ND	ND	>12	6	6	10:35	11:05	0.20 ML OF ICV SPIKE
MC26910-2	6	N/A	ND	ND	>12	6	6	14:11	14:41	

12-10-13

Reagent Lot # (Refer to Indivdual SOP for amounts added)

Sulfamic Acid	VENDOR-8715	Spike Solution	GNSTD-32153-CN-2
Conc. H2SO4	VENDOR-14009	ICV Stock Solution	GNSTD-32154-CN-2
NaOH	RGT-38624-CN	0.25N NAOH	RGT-38316-CN
MgCl2.6H2O	RGT-37559-CN	N/A	
Bismuth Nitrate	N/A	N/A	

Comment:

QC Review _____ Date 12/10/13

11.1 11

Author: chemistry

Date : 12/10/2013

Original Run Filename: OM_12-10-2013_01-39-56PM.OMN Created: 12/10/2013 1:39:56 PM
Original Run Author's Signature: [chemistry]
Current Run Filename: OM_12-10-2013_01-39-56PM.OMN Last Modified: 12/10/2013 2:17:27 PM
Current Run Author's Signature: [chemistry]
Description: Default New Run

Sample	Rep.	Channel 1 Cn (mg/L)	MDF
ICV	1	0.212	
Calibration:		Table/Fig. : 1	
ICB	1	-3.84e-3	
CCV	1	0.308	
CCB	1	-3.97e-3	
GP17001-MB1	1	-1.06e-3	
GP17001-B1	1	0.107	
GP17001-B2	1	0.104	
GP17001-B3	1	0.211	
GP17001-S1	1	0.114	
GP17001-D1	1	2.65e-3	
MC26860-1	1	2.69e-3	
MC26860-2	1	0.0910	
MC26861-1	1	0.0136	
MC26861-2	1	0.0211	
CCV	1	0.310	
CCB	1	-4.02e-3	
MC26861-3	1	0.0213	
MC26861-4	1	0.308	
MC26865-13	1	1.48e-3	
MC26~~910-2~~890	1	0.0961	Typo.
MC26890-~~2~~2	1	0.0539	Typo
MC26890-~~2~~3	1	0.0108	Typo
MC26~~890-3~~910.2	1	6.29e-4	Typo.
MC26926-1	1	0.0956	
MC26926-2	1	0.0319	
MC26926-3	1	0.174	
CCV	1	0.313	
CCB	1	-3.67e-3	
MC26923-8	1	2.87e-3	
MC26949-12	1	2.67e-3	
MC26975-2	1	1.02e-7	
MC26964-11	1	1.72	DNR. offscale
CCV	1	0.312	
CCB	1	-3.76e-3	

12-10-13

Table : 1 (Cn)

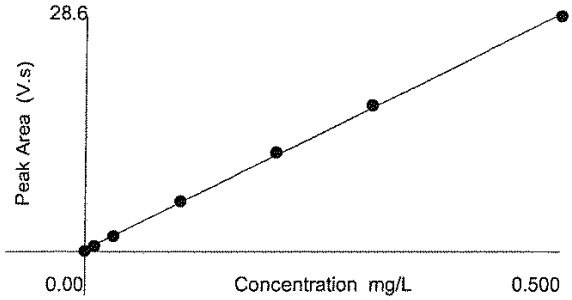
	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	28.6	1.48	0.0	1.2	0.494	12/10/2013	12:19:08 PM
2	0.300	1	17.7	0.920	0.0	-1.8	0.305	12/10/2013	12:20:13 PM
3	0.200	1	12.0	0.625	0.0	-2.9	0.206	12/10/2013	12:21:18 PM
4	0.100	1	6.11	0.317	0.0	-2.2	0.102	12/10/2013	12:22:22 PM
5	0.0300	1	1.86	0.0956	0.0	5.2	0.0283	12/10/2013	12:23:27 PM
6	0.0100	1	0.666	0.0337	0.0	18.5	7.45e-3	12/10/2013	12:24:31 PM
7	0.00	1	0.0608	3.53e-3			-3.11e-3	12/10/2013	12:25:36 PM

12/10/13

Author: chemistry

Date : 12/10/2013

Figure : 1 (Cn)



Area = 57.3 * Conc + 0.245
Conc = 0.0174 * Area - 4.17e-3
Correlation Coefficient (r) = 0.99970

Weighting : None

11.1

11

12,10/13

Author: chemistry

Date : 12/10/2013

Original Run Filename: OM_12-10-2013_02-59-17PM.OMN Created: 12/10/2013 2:59:17 PM
Original Run Author's Signature: [chemistry]
Current Run Filename: OM_12-10-2013_02-59-17PM.OMN Last Modified: 12/10/2013 3:07:28 PM
Current Run Author's Signature: [chemistry]
Description: Default New Run

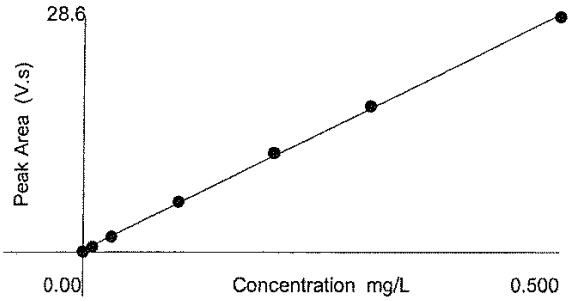
Sample	Rep.	Channel 1 Cn (mg/L)	MDF
CCV	1	0.311	
Calibration:		Table/Fig. : 1	
CCB	1	-2.51e-3	
MC26964-11	1	0.190	10.00
MC26910-2	1	3.44e-3	
CCV	1	0.313	
CCB	1	-2.86e-3	

D,R confirmation only

Table : 1 (Cn)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	28.6	1.48	0.0	1.2	0.494	12/10/2013	12:19:08 PM
2	0.300	1	17.7	0.920	0.0	-1.8	0.305	12/10/2013	12:20:13 PM
3	0.200	1	12.0	0.625	0.0	-2.9	0.206	12/10/2013	12:21:18 PM
4	0.100	1	6.11	0.317	0.0	-2.2	0.102	12/10/2013	12:22:22 PM
5	0.0300	1	1.86	0.0956	0.0	5.2	0.0283	12/10/2013	12:23:27 PM
6	0.0100	1	0.666	0.0337	0.0	18.5	7.45e-3	12/10/2013	12:24:31 PM
7	0.00	1	0.0608	3.53e-3			-3.11e-3	12/10/2013	12:25:36 PM

Figure : 1 (Cn)



Area = 57.3 * Conc + 0.245
Conc = 0.0174 * Area - 4.17e-3
Correlation Coefficient (r) = 0.99970

Weighting : None

12/10/13

ACCUTEST LABORATORIES
MC26964

ACCUTEST

Protected Worksheet MGN117-02
(Format edits must be done by Dept. manager)

Analyst	MEHDIA	**Test/Analysis**	CN SW846 9012
Date	12/16/13	**Analysis Batch ID**	GN45503
Instrument ID	LACHAT	**Prep Batch ID**	GP17029
File ID	121613S4.CN, 121613S5.CN		

Reagents

Calib STD	GNSTD-	32224-CN	**Buffer**	GNSTD-	38629-CN
ICV	GNSTD-	32223-CN-2	**Carrier**	GNSTD-	38316-CN
CCV	GNSTD-	32224-CN-2	**Chloramine-T**	GNSTD-	38781-CN
			Pyridine Barb. Acid	GNSTD-	38596-CN

Standardization

Reagent/Stock Std:		NA ◉	Cyanide ○		
-		-	-	-	
-					

Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH

COMMENTS

Cyanide stock standardization was performed on 12/11/13 (GN45442).

QC Review REZAT **Date:** 12/16/13 12/16/13

GN45503

QC Reports:

Raw Data GN45503: Cyanide page 1 of 4

ACCUTEST

Distillation

Protected Worksheet MGN127-01
(Format edits must be done by Dept. manager)

Analyst:	MEHDIA	Date	12/16/13	Batch ID	GP17029	Matrix	Solids
QC Sample	MC27138-16	Balance ID	ACC-4	pH Meter ID	N/A	Block ID	MICRO

Analysis Type

CN EPA 335.4 ○	CN SW846 9010B ◉	CN-A SM21 4500CN-G/335.4 ○	CN-A SW846 9010 ○
PAC MADEP ○	CREAC Chap 7 ○	SREAC Chap7 ○	CNWAD SM20 4500CN-I ○

Sample ID	Bot #	ID	Interfere Chk CL	Interfere Chk S	Init. pH	SMPL Amt G	DIST Vol ML	Start Time	End Time	Comments/Spike
GP17029-LC1		N/A	ND	ND	>12	0.5	6	9:39	10:09	VENDOR-14247
GP17029-MB1	*	N/A	ND	ND	>12	0.5	6	9:39	10:09	
GP17029-B1	*	N/A	ND	ND	>12	0.5	6	9:39	10:09	0.10 ML OF SPIKE
GP17029-B2	*	N/A	ND	ND	>12	0.5	6	9:39	10:09	0.10 ML OF SPIKE
GP17029-B3	*	N/A	ND	ND	>12	0.5	6	9:39	10:09	0.20 ML OF SPIKE
GP17029-S1	1	N/A	ND	ND	>12	0.504	6	9:39	10:09	0.10 ML OF SPIKE
GP17029-D1	1	N/A	ND	ND	>12	0.511	6	9:39	10:09	
MC27138-16	1	N/A	ND	ND	>12	0.522	6	10:13	10:43	
MC27138-13	1	N/A	ND	ND	>12	0.51	6	10:13	10:43	
MC27138-14	1	N/A	ND	ND	>12	0.521	6	10:13	10:43	
MC27138-15	1	N/A	ND	ND	>12	0.509	6	10:13	10:43	
MC26964-1	1	N/A	ND	ND	>12	0.505	6	10:13	10:43	
MC26964-2	1	N/A	ND	ND	>12	0.512	6	10:13	10:43	
MC26964-3	1	N/A	ND	ND	>12	0.525	6	10:13	10:43	
MC26964-4	1	N/A	ND	ND	>12	0.527	6	10:13	10:43	
ICV		N/A	ND	ND	>12	6 ML	6	10:13	10:43	0.20 ML OF ICV SPIKE

12-16-13

Reagent Lot # (Refer to Indivdual SOP for amounts added)

Sulfamic Acid	VENDOR-8715	Spike Solution	GNSTD-32222-CN-2
Conc. H2SO4	VENDOR-14009	ICV Stock Solution	GNSTD-32223-CN-2
NaOH	RGT-38624-CN	0.25N NAOH	RGT-38316-CN
MgCl2.6H2O	RGT 37559-CN	N/A	
Bismuth Nitrate	N/A	N/A	

Comment: *USED SAND VENDOR-12599.

QC Review _____ Date 12/16/13

11.2 11

Author: chemistry

Date : 12/16/2013

Original Run Filename: OM_12-16-2013_02-41-19PM.OMN Created: 12/16/2013 2:41:19 PM
Original Run Author's Signature: [chemistry]
Current Run Filename: OM_12-16-2013_02-41-19PM.OMN Last Modified: 12/16/2013 3:07:00 PM
Current Run Author's Signature: [chemistry]
Description: Default New Run

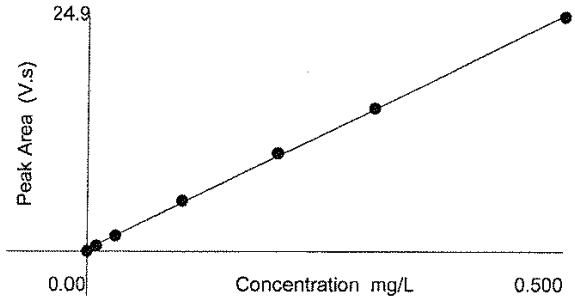
Sample	Rep.	Channel 1 Cn (mg/L)	MDF
ICV	1	0.190	
Calibration:		Table/Fig. : 1	
ICB	1	-3.59e-3	
CCV	1	0.315	
CCB	1	-3.09e-3	
GP17029-MB1	1	-2.18e-3	
GP17029-B1	1	0.0959	
GP17029-B2	1	0.106	
GP17029-B3	1	0.202	
GP17029-LC1	1	0.194	20.00
GP17029-S1	1	0.109	
GP17029-D1	1	2.47e-3	
MC27138-16	1	7.33e-4	
MC27138-13	1	3.75e-5	
MC27138-14	1	1.13e-4	
CCV	1	0.307	
CCB	1	-3.95e-3	
MC27138-15	1	-4.31e-4	
MC26964-1	1	1.36	
MC26964-2	1	0.842	
MC26964-3	1	0.0127	
MC26964-4	1	0.155	
CCV	1	0.303	
CCB	1	-2.19e-3	

DNR offscale
DNR offscale
DNR Air Bubbles. GAP 12-16-13

Table : 1 (Cn)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	24.9	1.41	0.0	0.8	0.496	12/16/2013	12:26:14 PM
2	0.300	1	15.2	0.870	0.0	-0.6	0.302	12/16/2013	12:27:18 PM
3	0.200	1	10.4	0.595	0.0	-2.9	0.206	12/16/2013	12:28:23 PM
4	0.100	1	5.37	0.307	0.0	-3.5	0.104	12/16/2013	12:29:28 PM
5	0.0300	1	1.66	0.0950	0.0	2.9	0.0290	12/16/2013	12:30:33 PM
6	0.0100	1	0.600	0.0334	0.0	16.5	7.68e-3	12/16/2013	12:31:37 PM
7	0.00	1	0.0313	2.30e-3			-3.76e-3	12/16/2013	12:32:41 PM

Figure : 1 (Cn)



Area = 49.7 * Conc + 0.222
Conc = 0.0201 * Area - 4.39e-3
Correlation Coefficient (r) = 0.99979

Weighting : None

12,16,13

Author: chemistry

Date : 12/16/2013

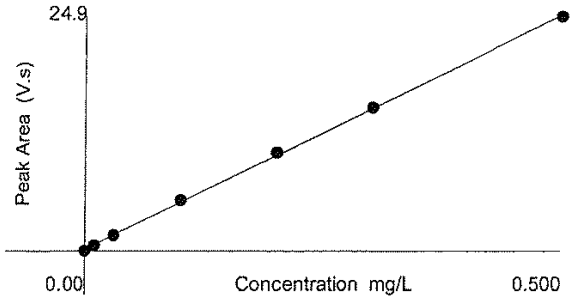
Original Run Filename: OM_12-16-2013_04-15-59PM.OMN Created: 12/16/2013 4:15:59 PM
Original Run Author's Signature: [chemistry]
Current Run Filename: OM_12-16-2013_04-15-59PM.OMN Last Modified: 12/16/2013 4:24:57 PM
Current Run Author's Signature: [chemistry]
Description: Default New Run

Sample	Rep.	Channel 1 Cn (mg/L)	MDF
CCV	1	0.292	
CCB	1	-3.67e-3	
Calibration:		Table/Fig. : 1	
MC26964-1	1	0.104	10.00
MC26964-2	1	0.154	5.00
MC26964-3	1	1.93e-3	
CCV	1	0.301	
CCB	1	-4.43e-3	

Table : 1 (Cn)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	24.9	1.41	0.0	0.8	0.496	12/16/2013	12:26:14 PM
2	0.300	1	15.2	0.870	0.0	-0.6	0.302	12/16/2013	12:27:18 PM
3	0.200	1	10.4	0.595	0.0	-2.9	0.206	12/16/2013	12:28:23 PM
4	0.100	1	5.37	0.307	0.0	-3.5	0.104	12/16/2013	12:29:28 PM
5	0.0300	1	1.66	0.0950	0.0	2.9	0.0290	12/16/2013	12:30:33 PM
6	0.0100	1	0.600	0.0334	0.0	16.5	7.68e-3	12/16/2013	12:31:37 PM
7	0.00	1	0.0313	2.30e-3			-3.76e-3	12/16/2013	12:32:41 PM

Figure : 1 (Cn)



Area = 49.7 * Conc + 0.222
Conc = 0.0201 * Area - 4.39e-3
Correlation Coefficient (r) = 0.99979

Weighting : None

12/16/13

New England ACCUTEST LABORATORIES

01/15/14

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC27081

Sampling Dates: 12/09/13 - 12/11/13

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **451**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC27081

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC27081-1	12/09/13	15:50	MF	12/12/13	AQ	Ground Water	LBA-GW-MW39(SRX)
MC27081-2	12/11/13	13:15	MF	12/12/13	AQ	Ground Water	LBA-GW-MW40S(SRX)
MC27081-3	12/11/13	13:35	MF	12/12/13	AQ	Ground Water	LBA-GW-TFA
MC27081-4	12/09/13	12:30	MF	12/12/13	AQ	Ground Water	LBA-GW-MW34N(SRX)

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environmental & Energy **Job No** MC27081

Site: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, **Report Date** 1/13/2014 11:46:46 AM

4 Sample(s) were collected on between 12/09/2013 and 12/11/2013 and were received at Accutest on 12/12/2013 properly preserved, at 4.2 Deg. C and intact. These Samples received an Accutest job number of MC27081. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix AQ **Batch ID:** MSU802

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB55056-6MS, JB55056-6MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 2-Butanone (MEK), Acetone are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- RPD(s) for MSD for 2-Butanone (MEK), Acetone are outside control limits for sample JB55056-6MSD. High RPD due to possible matrix interference and/or sample non-homogeneity.

Matrix AQ **Batch ID:** MSU804

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27155-1MS, MC27155-1MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8082

Matrix AQ **Batch ID:** OP36184

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27008-16MS, MC27008-16MSD were used as the QC samples indicated.

Metals By Method SW846 6010C

Matrix AQ **Batch ID:** MP22261

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27087-3FMS, MC27087-3FMSD, MC27087-3FSDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Cadmium, Chromium, Silver are outside control limits for sample MP22261-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7470A

Matrix	AQ	Batch ID:	MP22268

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27035-2MS, MC27035-2MSD were used as the QC samples for metals.

Wet Chemistry By Method SW846 9012

Matrix	AQ	Batch ID:	GP17033

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27035-2DUP, MC27035-2MS were used as the QC samples for Cyanide.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC27081).

Summary of Hits

Job Number: MC27081
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 12/09/13 thru 12/11/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC27081-1	**LBA-GW-MW39(SRX)**					
Chloroethane		53.5	2.0	0.84	ug/l	SW846 8260C
1,1-Dichloroethane		500	100	37	ug/l	SW846 8260C
1,1-Dichloroethene		58.7	1.0	0.67	ug/l	SW846 8260C
cis-1,2-Dichloroethene		20.4	1.0	0.54	ug/l	SW846 8260C
Toluene		22.9	1.0	0.46	ug/l	SW846 8260C
1,1,1-Trichloroethane		609	100	94	ug/l	SW846 8260C
Trichloroethene		4.6	1.0	0.45	ug/l	SW846 8260C
Vinyl chloride		7.4	1.0	0.61	ug/l	SW846 8260C
Total TIC, Volatile		9.5 J			ug/l	
Arsenic		32.3	4.0	2.9	ug/l	SW846 6010C
Barium		251	50	0.81	ug/l	SW846 6010C
Cadmium		0.60 B	4.0	0.50	ug/l	SW846 6010C
Chromium		20.5	10	1.4	ug/l	SW846 6010C
Lead		5.1	5.0	1.7	ug/l	SW846 6010C
Silver		1.0 B	5.0	1.0	ug/l	SW846 6010C
Cyanide		0.35	0.010		mg/l	SW846 9012
MC27081-2	**LBA-GW-MW40S(SRX)**					
Bromodichloromethane		1.2	1.0	0.33	ug/l	SW846 8260C
Chloroform		6.7	1.0	0.50	ug/l	SW846 8260C
cis-1,2-Dichloroethene		19.8	1.0	0.54	ug/l	SW846 8260C
Toluene		0.76 J	1.0	0.46	ug/l	SW846 8260C
Trichloroethene		15.1	1.0	0.45	ug/l	SW846 8260C
Vinyl chloride		2.1	1.0	0.61	ug/l	SW846 8260C
MC27081-3	**LBA-GW-TFA**					
Trichloroethene		25.6	1.0	0.45	ug/l	SW846 8260C
MC27081-4	**LBA-GW-MW34N(SRX)**					
Acetone		8.0 J	10	2.8	ug/l	SW846 8260C
Benzene		0.59	0.50	0.45	ug/l	SW846 8260C
Chloroethane		13.6	2.0	0.84	ug/l	SW846 8260C
Chloroform		3.0	1.0	0.50	ug/l	SW846 8260C
1,1-Dichloroethane		1.5	1.0	0.37	ug/l	SW846 8260C
Methylene chloride		1.2 J	2.0	0.41	ug/l	SW846 8260C
Toluene		1.1	1.0	0.46	ug/l	SW846 8260C

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@146041 15:43 15-Jan-2014

Report of Analysis

Client Sample ID:	LBA-GW-MW39(SRX)		
Lab Sample ID:	MC27081-1	**Date Sampled:**	12/09/13
Matrix:	AQ - Ground Water	**Date Received:**	12/12/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U16844.D	1	12/16/13	GK	n/a	n/a	MSU802
Run #2	U16894.D	100	12/17/13	GK	n/a	n/a	MSU804

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	53.5	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	500 [a]	100	37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	58.7	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	20.4	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-GW-MW39(SRX)		
Lab Sample ID:	MC27081-1	**Date Sampled:**	12/09/13
Matrix:	AQ - Ground Water	**Date Received:**	12/12/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	22.9	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	609 [a]	100	94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	4.6	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	7.4	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%	119%	70-130%
2037-26-5	Toluene-D8	111%	113%	70-130%
460-00-4	4-Bromofluorobenzene	110%	106%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
74381-40-1	Propanoic acid, 2-methyl-, 1-(1,1-	16.59	9.5	ug/l	JN
	Total TIC, Volatile		9.5	ug/l	J

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-GW-MW39(SRX)
Lab Sample ID: MC27081-1 **Date Sampled:** 12/09/13
Matrix: AQ - Ground Water **Date Received:** 12/12/13
Percent Solids: n/a
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	32.3	4.0	2.9	ug/l	1	12/16/13	12/16/13	SA	SW846 6010C [2]	SW846 3010A [3]
Barium	251	50	0.81	ug/l	1	12/16/13	12/16/13	SA	SW846 6010C [2]	SW846 3010A [3]
Cadmium	0.60 B	4.0	0.50	ug/l	1	12/16/13	12/16/13	SA	SW846 6010C [2]	SW846 3010A [3]
Chromium	20.5	10	1.4	ug/l	1	12/16/13	12/16/13	SA	SW846 6010C [2]	SW846 3010A [3]
Lead	5.1	5.0	1.7	ug/l	1	12/16/13	12/16/13	SA	SW846 6010C [2]	SW846 3010A [3]
Mercury	0.067 U	0.20	0.067	ug/l	1	12/17/13	12/19/13	SA	SW846 7470A [1]	SW846 7470A [4]
Selenium	4.8 U	10	4.8	ug/l	1	12/16/13	12/16/13	SA	SW846 6010C [2]	SW846 3010A [3]
Silver	1.0 B	5.0	1.0	ug/l	1	12/16/13	12/16/13	SA	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA16566
(2) Instrument QC Batch: MA16568
(3) Prep QC Batch: MP22261
(4) Prep QC Batch: MP22268

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	LBA-GW-MW39(SRX)		
Lab Sample ID:	MC27081-1	**Date Sampled:**	12/09/13
Matrix:	AQ - Ground Water	**Date Received:**	12/12/13
		Percent Solids:	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.35	0.010	mg/l	1	12/16/13 16:03	MA	SW846 9012

RL = Reporting Limit

Accutest LabLink@146041 15:43 15-Jan-2014

Report of Analysis

Client Sample ID:	LBA-GW-MW40S(SRX)		
Lab Sample ID:	MC27081-2	**Date Sampled:**	12/11/13
Matrix:	AQ - Ground Water	**Date Received:**	12/12/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U16845.D	1	12/16/13	GK	n/a	n/a	MSU802
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	1.2	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	6.7	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	19.8	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-GW-MW40S(SRX)		
Lab Sample ID:	MC27081-2	**Date Sampled:**	12/11/13
Matrix:	AQ - Ground Water	**Date Received:**	12/12/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	0.76	1.0	0.46	ug/l	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	15.1	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	2.1	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-130%
2037-26-5	Toluene-D8	108%		70-130%
460-00-4	4-Bromofluorobenzene	113%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@146041 15:43 15-Jan-2014

Report of Analysis

Client Sample ID:	LBA-GW-TFA		
Lab Sample ID:	MC27081-3	**Date Sampled:**	12/11/13
Matrix:	AQ - Ground Water	**Date Received:**	12/12/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U16846.D	1	12/16/13	GK	n/a	n/a	MSU802
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-GW-TFA		
Lab Sample ID:	MC27081-3	**Date Sampled:**	12/11/13
Matrix:	AQ - Ground Water	**Date Received:**	12/12/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	25.6	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	111%		70-130%
460-00-4	4-Bromofluorobenzene	115%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@146041 15:43 15-Jan-2014

Report of Analysis

Client Sample ID:	LBA-GW-TFA		
Lab Sample ID:	MC27081-3	**Date Sampled:**	12/11/13
Matrix:	AQ - Ground Water	**Date Received:**	12/12/13
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK33210.D	1	12/17/13	AP	12/13/13	OP36184	GBK1091
Run #2							

	Initial Volume	Final Volume
Run #1	830 ml	5.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.30	0.083	ug/l	
11104-28-2	Aroclor 1221	ND	0.30	0.087	ug/l	
11141-16-5	Aroclor 1232	ND	0.30	0.20	ug/l	
53469-21-9	Aroclor 1242	ND	0.30	0.12	ug/l	
12672-29-6	Aroclor 1248	ND	0.30	0.18	ug/l	
11097-69-1	Aroclor 1254	ND	0.30	0.088	ug/l	
11096-82-5	Aroclor 1260	ND	0.30	0.075	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		30-150%
877-09-8	Tetrachloro-m-xylene	75%		30-150%
2051-24-3	Decachlorobiphenyl	97%		30-150%
2051-24-3	Decachlorobiphenyl	89%		30-150%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@146041 15:43 15-Jan-2014

Report of Analysis

Client Sample ID:	LBA-GW-MW34N(SRX)		
Lab Sample ID:	MC27081-4	**Date Sampled:**	12/09/13
Matrix:	AQ - Ground Water	**Date Received:**	12/12/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U16847.D	1	12/16/13	GK	n/a	n/a	MSU802
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.0	10	2.8	ug/l	J
71-43-2	Benzene	0.59	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	13.6	2.0	0.84	ug/l	
67-66-3	Chloroform	3.0	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	1.5	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-GW-MW34N(SRX)		
Lab Sample ID:	MC27081-4	**Date Sampled:**	12/09/13
Matrix:	AQ - Ground Water	**Date Received:**	12/12/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	1.2	2.0	0.41	ug/l	J
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	1.1	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	108%		70-130%
460-00-4	4-Bromofluorobenzene	111%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY RECORD

Page 1 of 1

Project Number:	Site and Location:
4255	EPT Ithaca

Contact Name:	Contact Email:
Lisa.Bingle@wspgroup.com	

Sampler's Name:	Sampler's Signature:
M Fleming	Merrill E Fleming

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	VOCs + GPSL VOCs	RCRA metals	cyanide	PCBs						Remarks
LBA-GW-MW38(SRX)	—	12/09/13	1550	Aq	4	2	1	1	0						MC27081-1
LBA-GW-MW40S(SRX)		12/11/13	1315	"	2	2	0	0	0						-2
LBA-GW-TFA		12/11/13	1335	"	3	2	0	0	1						-3
LBA-GW-MW34N(SRX)		12/09/13	1230	"	2	2	0	0	0						-4
															ICL, HD, 1813 6F

Relinquished by (Signature):	Date / Time	Received by (Signature):	Laboratory Name:
Merrill E Fleming	12/13	FedEx	Accutest
Relinquished by (Signature):	Date / Time	Received by (Signature):	Laboratory Location:
FedEx	12-12-13 1730		MA
Turn-Around Time:		Tracking Number:	Custody Seal Numbers:
Standard			Method of Shipment: FedEx

4.2°C

WSP Environment & Energy

- [X] Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- [ ] Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- [ ] San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- [ ] New Jersey Office: 200 Cottontail Ln., Somerset, NJ 08873 / Tel: 732-564-0888
- [ ] Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- [ ] Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- [ ] Woburn Office: 300 Trade Center, Suite 4690, Woburn, MA 01801
- [ ] Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

MC27081: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC27081 **Client:** WSP G **Immediate Client Services Action Required:** No

Date / Time Received: 12/12/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC27081: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC27081

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC27081-1 Collected: 09-DEC-13 15:50 By: MF LBA-GW-MW39(SRX)			Received: 12-DEC-13		By: NT	
MC27081-1	SW846 9012	16-DEC-13 16:03	MA	16-DEC-13	MA	CN
MC27081-1	SW846 6010C	16-DEC-13 16:07	SA	16-DEC-13	EM	AG,AS,BA,CD,CR,PB,SE
MC27081-1	SW846 8260C	16-DEC-13 19:33	GK			V8260TCL42+
MC27081-1	SW846 8260C	17-DEC-13 18:40	GK			V8260TCL42+
MC27081-1	SW846 7470A	19-DEC-13 12:02	SA	17-DEC-13	EM	HG
MC27081-2 Collected: 11-DEC-13 13:15 By: MF LBA-GW-MW40S(SRX)			Received: 12-DEC-13		By: NT	
MC27081-2	SW846 8260C	16-DEC-13 20:00	GK			V8260TCL42+
MC27081-3 Collected: 11-DEC-13 13:35 By: MF LBA-GW-TFA			Received: 12-DEC-13		By: NT	
MC27081-3	SW846 8260C	16-DEC-13 20:27	GK			V8260TCL42+
MC27081-3	SW846 8082	17-DEC-13 12:23	AP	13-DEC-13	MT	P8082PCB
MC27081-4 Collected: 09-DEC-13 12:30 By: MF LBA-GW-MW34N(SRX)			Received: 12-DEC-13		By: NT	
MC27081-4	SW846 8260C	16-DEC-13 20:54	GK			V8260TCL42+

Accutest Internal Chain of Custody

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 12/12/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC27081-1.1	VOC Ref #1	Gary Krasinski	12/16/13 10:29	Retrieve from Storage
MC27081-1.1	Gary Krasinski	GCMSU	12/16/13 10:29	Load on Instrument
MC27081-1.1	GCMSU	Gary Krasinski	12/17/13 11:18	Unload from Instrument
MC27081-1.1	Gary Krasinski	VOC Ref #1	12/17/13 11:18	Return to Storage
MC27081-1.2	VOC Ref #1	Gary Krasinski	12/17/13 13:13	Retrieve from Storage
MC27081-1.2	Gary Krasinski	GCMSU	12/17/13 13:13	Load on Instrument
MC27081-1.2	GCMSU	Gary Krasinski	12/18/13 11:31	Unload from Instrument
MC27081-1.2	Gary Krasinski	VOC Ref #1	12/18/13 11:31	Return to Storage
MC27081-1.3	Walk In Ref #9	Mehdi Abdolrahim	12/16/13 07:10	Retrieve from Storage
MC27081-1.3	Mehdi Abdolrahim	Walk In Ref #9	12/16/13 09:47	Return to Storage
MC27081-1.4	Walk In Ref #5	Mohammad Adib	12/16/13 08:06	Retrieve from Storage
MC27081-1.4	Mohammad Adib	Walk In Ref #5	12/16/13 09:21	Return to Storage
MC27081-1.4	Walk In Ref #5	Mohammad Adib	12/17/13 07:12	Retrieve from Storage
MC27081-1.4	Mohammad Adib	Walk In Ref #5	12/17/13 10:33	Return to Storage
MC27081-1.4	Walk In Ref #5	Mohammad Adib	12/19/13 07:10	Retrieve from Storage
MC27081-1.4	Mohammad Adib	Walk In Ref #5	12/19/13 09:39	Return to Storage
MC27081-2.2	VOC Ref #1	Gary Krasinski	12/16/13 10:29	Retrieve from Storage
MC27081-2.2	Gary Krasinski	GCMSU	12/16/13 10:29	Load on Instrument
MC27081-2.2	GCMSU	Gary Krasinski	12/17/13 11:18	Unload from Instrument
MC27081-2.2	Gary Krasinski	VOC Ref #1	12/17/13 11:18	Return to Storage
MC27081-3.2	VOC Ref #1	Gary Krasinski	12/16/13 10:29	Retrieve from Storage
MC27081-3.2	Gary Krasinski	GCMSU	12/16/13 10:29	Load on Instrument
MC27081-3.2	GCMSU	Gary Krasinski	12/17/13 11:18	Unload from Instrument
MC27081-3.2	Gary Krasinski	VOC Ref #1	12/17/13 11:18	Return to Storage
MC27081-3.3	Walk In Ref #22	Marc Tahtamoni	12/13/13 15:01	Retrieve from Storage
MC27081-4.2	VOC Ref #1	Gary Krasinski	12/16/13 10:29	Retrieve from Storage
MC27081-4.2	Gary Krasinski	GCMSU	12/16/13 10:29	Load on Instrument
MC27081-4.2	GCMSU	Gary Krasinski	12/17/13 11:18	Unload from Instrument
MC27081-4.2	Gary Krasinski	VOC Ref #1	12/17/13 11:18	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSU802-MB	U16825.D	1	12/16/13	GK	n/a	n/a	MSU802

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27081-1, MC27081-2, MC27081-3, MC27081-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	

Method Blank Summary

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSU802-MB	U16825.D	1	12/16/13	GK	n/a	n/a	MSU802

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27081-1, MC27081-2, MC27081-3, MC27081-4

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	70-130%
2037-26-5	Toluene-D8	112%	70-130%
460-00-4	4-Bromofluorobenzene	115%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
74381-40-1	Propanoic acid, 2-methyl-, 1-(1,1-	16.59	9.7	ug/l	JN
	Total TIC, Volatile		9.7	ug/l	J

Method Blank Summary

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSU804-MB	U16882.D	1	12/17/13	GK	n/a	n/a	MSU804

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27081-1

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	108%	70-130%
2037-26-5	Toluene-D8	112%	70-130%
460-00-4	4-Bromofluorobenzene	118%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSU802-BS	U16823.D	1	12/16/13	GK	n/a	n/a	MSU802

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27081-1, MC27081-2, MC27081-3, MC27081-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	62.5	125	70-130
71-43-2	Benzene	50	46.6	93	70-130
75-27-4	Bromodichloromethane	50	44.0	88	70-130
75-25-2	Bromoform	50	51.5	103	70-130
74-83-9	Bromomethane	50	48.8	98	70-130
78-93-3	2-Butanone (MEK)	50	56.6	113	70-130
75-15-0	Carbon disulfide	50	59.3	119	70-130
56-23-5	Carbon tetrachloride	50	50.8	102	70-130
108-90-7	Chlorobenzene	50	44.8	90	70-130
75-00-3	Chloroethane	50	51.2	102	70-130
67-66-3	Chloroform	50	45.6	91	70-130
74-87-3	Chloromethane	50	53.5	107	70-130
110-82-7	Cyclohexane	50	50.5	101	71-145
96-12-8	1,2-Dibromo-3-chloropropane	50	53.2	106	70-130
124-48-1	Dibromochloromethane	50	51.3	103	70-130
106-93-4	1,2-Dibromoethane	50	49.8	100	70-130
95-50-1	1,2-Dichlorobenzene	50	47.5	95	70-130
541-73-1	1,3-Dichlorobenzene	50	46.2	92	70-130
106-46-7	1,4-Dichlorobenzene	50	47.5	95	70-130
75-71-8	Dichlorodifluoromethane	50	42.3	85	70-130
75-34-3	1,1-Dichloroethane	50	48.7	97	70-130
107-06-2	1,2-Dichloroethane	50	46.6	93	70-130
75-35-4	1,1-Dichloroethene	50	56.2	112	70-130
156-59-2	cis-1,2-Dichloroethene	50	51.7	103	70-130
156-60-5	trans-1,2-Dichloroethene	50	54.9	110	70-130
78-87-5	1,2-Dichloropropane	50	46.2	92	70-130
10061-01-5	cis-1,3-Dichloropropene	50	48.7	97	70-130
10061-02-6	trans-1,3-Dichloropropene	50	50.2	100	70-130
100-41-4	Ethylbenzene	50	47.7	95	70-130
76-13-1	Freon 113	50	51.8	104	70-130
591-78-6	2-Hexanone	50	55.6	111	70-130
98-82-8	Isopropylbenzene	50	47.3	95	70-130
79-20-9	Methyl Acetate	50	39.4	79	40-137
108-87-2	Methylcyclohexane	50	51.1	102	74-143
1634-04-4	Methyl Tert Butyl Ether	50	49.9	100	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	48.3	97	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSU802-BS	U16823.D	1	12/16/13	GK	n/a	n/a	MSU802

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27081-1, MC27081-2, MC27081-3, MC27081-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
75-09-2	Methylene chloride	50	51.3	103	70-130
100-42-5	Styrene	50	49.2	98	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	44.6	89	70-130
127-18-4	Tetrachloroethene	50	47.4	95	70-130
108-88-3	Toluene	50	47.5	95	70-130
120-82-1	1,2,4-Trichlorobenzene	50	52.7	105	70-130
71-55-6	1,1,1-Trichloroethane	50	46.8	94	70-130
79-00-5	1,1,2-Trichloroethane	50	44.3	89	70-130
79-01-6	Trichloroethene	50	47.9	96	70-130
75-69-4	Trichlorofluoromethane	50	45.9	92	70-130
75-01-4	Vinyl chloride	50	41.2	82	70-130
1330-20-7	Xylene (total)	150	142	95	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	70-130%
2037-26-5	Toluene-D8	110%	70-130%
460-00-4	4-Bromofluorobenzene	110%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSU804-BS	U16880.D	1	12/17/13	GK	n/a	n/a	MSU804

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27081-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
75-34-3	1,1-Dichloroethane	50	51.6	103	70-130
71-55-6	1,1,1-Trichloroethane	50	49.3	99	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	110%	70-130%
2037-26-5	Toluene-D8	110%	70-130%
460-00-4	4-Bromofluorobenzene	114%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB55056-6MS	U16836.D	1	12/16/13	GK	n/a	n/a	MSU802
JB55056-6MSD	U16837.D	1	12/16/13	GK	n/a	n/a	MSU802
JB55056-6	U16831.D	1	12/16/13	GK	n/a	n/a	MSU802

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27081-1, MC27081-2, MC27081-3, MC27081-4

CAS No.	Compound	JB55056-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		50	28.2	56* [a]	45.9	92	48* [b]	70-130/30
71-43-2	Benzene	ND		50	49.2	98	46.9	94	5	70-130/30
75-27-4	Bromodichloromethane	ND		50	44.3	89	44.6	89	1	70-130/30
75-25-2	Bromoform	ND		50	47.1	94	48.2	96	2	70-130/30
74-83-9	Bromomethane	ND		50	49.1	98	42.6	85	14	70-130/30
78-93-3	2-Butanone (MEK)	ND		50	30.6	61* [a]	43.8	88	35* [b]	70-130/30
75-15-0	Carbon disulfide	ND		50	54.3	109	49.1	98	10	70-130/30
56-23-5	Carbon tetrachloride	ND		50	54.3	109	50.0	100	8	70-130/30
108-90-7	Chlorobenzene	ND		50	48.4	97	46.0	92	5	70-130/30
75-00-3	Chloroethane	ND		50	53.6	107	48.6	97	10	70-130/30
67-66-3	Chloroform	ND		50	46.6	93	44.7	89	4	70-130/30
74-87-3	Chloromethane	ND		50	55.1	110	49.8	100	10	70-130/30
110-82-7	Cyclohexane	ND		50	54.5	109	50.5	101	8	60-160/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	47.2	94	49.2	98	4	70-130/30
124-48-1	Dibromochloromethane	ND		50	51.7	103	50.3	101	3	70-130/30
106-93-4	1,2-Dibromoethane	ND		50	51.3	103	50.1	100	2	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		50	47.3	95	45.9	92	3	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		50	48.2	96	45.5	91	6	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		50	48.8	98	46.6	93	5	70-130/30
75-71-8	Dichlorodifluoromethane	ND		50	43.7	87	41.1	82	6	70-130/30
75-34-3	1,1-Dichloroethane	1.9		50	52.6	101	49.9	96	5	70-130/30
107-06-2	1,2-Dichloroethane	ND		50	45.3	91	45.5	91	0	70-130/30
75-35-4	1,1-Dichloroethene	ND		50	61.9	124	58.4	117	6	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		50	54.9	110	51.7	103	6	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		50	58.1	116	55.0	110	5	70-130/30
78-87-5	1,2-Dichloropropane	ND		50	48.4	97	47.4	95	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		50	48.8	98	48.2	96	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		50	49.0	98	48.4	97	1	70-130/30
100-41-4	Ethylbenzene	0.65	J	50	51.3	101	48.9	97	5	70-130/30
76-13-1	Freon 113	ND		50	58.0	116	53.6	107	8	70-130/30
591-78-6	2-Hexanone	ND		50	50.5	101	51.0	102	1	70-130/30
98-82-8	Isopropylbenzene	ND		50	51.9	104	46.6	93	11	70-130/30
79-20-9	Methyl Acetate	ND		50	33.4	67	36.7	73	9	34-145/30
108-87-2	Methylcyclohexane	ND		50	55.2	110	53.3	107	4	70-130/30
1634-04-4	Methyl Tert Butyl Ether	ND		50	49.7	99	45.6	91	9	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	47.2	94	50.5	101	7	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB55056-6MS	U16836.D	1	12/16/13	GK	n/a	n/a	MSU802
JB55056-6MSD	U16837.D	1	12/16/13	GK	n/a	n/a	MSU802
JB55056-6	U16831.D	1	12/16/13	GK	n/a	n/a	MSU802

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27081-1, MC27081-2, MC27081-3, MC27081-4

CAS No.	Compound	JB55056-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	ND		50	53.4	107	50.6	101	5	70-130/30
100-42-5	Styrene	ND		50	38.7	77	37.2	74	4	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	52.8	106	48.4	97	9	70-130/30
127-18-4	Tetrachloroethene	ND		50	52.0	104	48.7	97	7	70-130/30
108-88-3	Toluene	ND		50	49.4	99	47.6	95	4	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		50	45.6	91	49.4	99	8	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		50	49.9	100	44.0	88	13	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		50	45.4	91	45.1	90	1	70-130/30
79-01-6	Trichloroethene	ND		50	50.1	100	48.4	97	3	70-130/30
75-69-4	Trichlorofluoromethane	ND		50	47.1	94	43.4	87	8	70-130/30
75-01-4	Vinyl chloride	ND		50	44.0	88	40.1	80	9	70-130/30
1330-20-7	Xylene (total)	2.5		150	150	98	145	95	3	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	JB55056-6	Limits
1868-53-7	Dibromofluoromethane	109%	109%	106%	70-130%
2037-26-5	Toluene-D8	112%	113%	111%	70-130%
460-00-4	4-Bromofluorobenzene	117%	114%	113%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(b) High RPD due to possible matrix interference and/or sample non-homogeneity.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC27155-1MS	U16892.D	5	12/17/13	GK	n/a	n/a	MSU804
MC27155-1MSD	U16893.D	5	12/17/13	GK	n/a	n/a	MSU804
MC27155-1	U16884.D	1	12/17/13	GK	n/a	n/a	MSU804

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27081-1

CAS No.	Compound	MC27155-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
75-34-3	1,1-Dichloroethane	ND		250	250	100	267	107	7	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		250	240	96	260	104	8	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC27155-1	Limits
1868-53-7	Dibromofluoromethane	109%	108%	110%	70-130%
2037-26-5	Toluene-D8	112%	111%	110%	70-130%
460-00-4	4-Bromofluorobenzene	113%	112%	115%	70-130%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSU801-BFB
Lab File ID: U16798.D
Instrument ID: GCMSU
Injection Date: 12/13/13
Injection Time: 16:12

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	12101	24.1		Pass
75	30.0 - 60.0% of mass 95	24696	49.1		Pass
95	Base peak, 100% relative abundance	50312	100.0		Pass
96	5.0 - 9.0% of mass 95	2799	5.56		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	42568	84.6		Pass
175	5.0 - 9.0% of mass 174	3354	6.67	(7.88) [a]	Pass
176	95.0 - 101.0% of mass 174	42568	84.6	(100.0) [a]	Pass
177	5.0 - 9.0% of mass 176	2884	5.73	(6.78) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSU801-IC801	U16803.D	12/13/13	18:29	02:17	Initial cal 0.5
ZZZZZZ	U16803A.D	12/13/13	18:29	02:17	(unrelated sample)
MSU801-IC801	U16804.D	12/13/13	18:56	02:44	Initial cal 1
ZZZZZZ	U16804A.D	12/13/13	18:56	02:44	(unrelated sample)
MSU801-IC801	U16805.D	12/13/13	19:23	03:11	Initial cal 2
ZZZZZZ	U16805A.D	12/13/13	19:23	03:11	(unrelated sample)
ZZZZZZ	U16806A.D	12/13/13	19:51	03:39	(unrelated sample)
MSU801-IC801	U16806.D	12/13/13	19:51	03:39	Initial cal 5
ZZZZZZ	U16807A.D	12/13/13	20:18	04:06	(unrelated sample)
MSU801-IC801	U16807.D	12/13/13	20:18	04:06	Initial cal 10
ZZZZZZ	U16808A.D	12/13/13	20:44	04:32	(unrelated sample)
MSU801-IC801	U16808.D	12/13/13	20:44	04:32	Initial cal 25
MSU801-ICC801	U16809.D	12/13/13	21:11	04:59	Initial cal 50
MSU801-IC801	U16810.D	12/13/13	21:38	05:26	Initial cal 100
MSU801-IC801	U16811.D	12/13/13	22:06	05:54	Initial cal 200
MSU801-IC801	U16812.D	12/13/13	22:33	06:21	Initial cal 400
MSU801-ICV801	U16816.D	12/14/13	00:21	08:09	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSU802-BFB
Lab File ID: U16821.D
Instrument ID: GCMSU
Injection Date: 12/16/13
Injection Time: 09:05

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	13095	26.9		Pass
75	30.0 - 60.0% of mass 95	23976	49.2		Pass
95	Base peak, 100% relative abundance	48696	100.0		Pass
96	5.0 - 9.0% of mass 95	3946	8.10		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	40888	84.0		Pass
175	5.0 - 9.0% of mass 174	2933	6.02	(7.17) [a]	Pass
176	95.0 - 101.0% of mass 174	40040	82.2	(97.9) [a]	Pass
177	5.0 - 9.0% of mass 176	3325	6.83	(8.30) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSU802-CC801	U16822.D	12/16/13	09:32	00:27	Continuing cal 50
MSU802-BS	U16823.D	12/16/13	10:00	00:55	Blank Spike
MSU802-MB	U16825.D	12/16/13	10:54	01:49	Method Blank
ZZZZZZ	U16826.D	12/16/13	11:21	02:16	(unrelated sample)
ZZZZZZ	U16827.D	12/16/13	11:48	02:43	(unrelated sample)
ZZZZZZ	U16828.D	12/16/13	12:15	03:10	(unrelated sample)
ZZZZZZ	U16829.D	12/16/13	12:42	03:37	(unrelated sample)
ZZZZZZ	U16830.D	12/16/13	13:09	04:04	(unrelated sample)
JB55056-6	U16831.D	12/16/13	13:37	04:32	(used for QC only; not part of job MC27081)
ZZZZZZ	U16832.D	12/16/13	14:04	04:59	(unrelated sample)
ZZZZZZ	U16835.D	12/16/13	15:26	06:21	(unrelated sample)
JB55056-6MS	U16836.D	12/16/13	15:53	06:48	Matrix Spike
JB55056-6MSD	U16837.D	12/16/13	16:20	07:15	Matrix Spike Duplicate
ZZZZZZ	U16838.D	12/16/13	16:48	07:43	(unrelated sample)
ZZZZZZ	U16841.D	12/16/13	18:13	09:08	(unrelated sample)
ZZZZZZ	U16842.D	12/16/13	18:39	09:34	(unrelated sample)
ZZZZZZ	U16843.D	12/16/13	19:06	10:01	(unrelated sample)
MC27081-1	U16844.D	12/16/13	19:33	10:28	LBA-GW-MW39(SRX)
MC27081-2	U16845.D	12/16/13	20:00	10:55	LBA-GW-MW40S(SRX)
MC27081-3	U16846.D	12/16/13	20:27	11:22	LBA-GW-TFA
MC27081-4	U16847.D	12/16/13	20:54	11:49	LBA-GW-MW34N(SRX)

Instrument Performance Check (BFB)

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSU804-BFB
Lab File ID: U16879.D
Instrument ID: GCMSU
Injection Date: 12/17/13
Injection Time: 11:49

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	8322	25.4		Pass
75	30.0 - 60.0% of mass 95	17472	53.4		Pass
95	Base peak, 100% relative abundance	32744	100.0		Pass
96	5.0 - 9.0% of mass 95	2581	7.88		Pass
173	Less than 2.0% of mass 174	338	1.03	(1.24) [a]	Pass
174	50.0 - 150.0% of mass 95	27240	83.2		Pass
175	5.0 - 9.0% of mass 174	2268	6.93	(8.33) [a]	Pass
176	95.0 - 101.0% of mass 174	26024	79.5	(95.5) [a]	Pass
177	5.0 - 9.0% of mass 176	1799	5.49	(6.91) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSU804-BS	U16880.D	12/17/13	12:16	00:27	Blank Spike
MSU804-CC801	U16880.D	12/17/13	12:16	00:27	Continuing cal 50
MSU804-MB	U16882.D	12/17/13	13:11	01:22	Method Blank
ZZZZZZ	U16883.D	12/17/13	13:40	01:51	(unrelated sample)
MC27155-1	U16884.D	12/17/13	14:07	02:18	(used for QC only; not part of job MC27081)
ZZZZZZ	U16885.D	12/17/13	14:34	02:45	(unrelated sample)
ZZZZZZ	U16886.D	12/17/13	15:02	03:13	(unrelated sample)
ZZZZZZ	U16887.D	12/17/13	15:29	03:40	(unrelated sample)
ZZZZZZ	U16888.D	12/17/13	15:56	04:07	(unrelated sample)
ZZZZZZ	U16889.D	12/17/13	16:23	04:34	(unrelated sample)
ZZZZZZ	U16890.D	12/17/13	16:51	05:02	(unrelated sample)
ZZZZZZ	U16891.D	12/17/13	17:18	05:29	(unrelated sample)
MC27155-1MS	U16892.D	12/17/13	17:45	05:56	Matrix Spike
MC27155-1MSD	U16893.D	12/17/13	18:13	06:24	Matrix Spike Duplicate
MC27081-1	U16894.D	12/17/13	18:40	06:51	LBA-GW-MW39(SRX)
ZZZZZZ	U16895.D	12/17/13	19:07	07:18	(unrelated sample)
ZZZZZZ	U16896.D	12/17/13	19:34	07:45	(unrelated sample)
ZZZZZZ	U16897.D	12/17/13	20:01	08:12	(unrelated sample)
ZZZZZZ	U16898.D	12/17/13	20:28	08:39	(unrelated sample)
ZZZZZZ	U16899.D	12/17/13	20:55	09:06	(unrelated sample)
ZZZZZZ	U16900.D	12/17/13	21:23	09:34	(unrelated sample)
ZZZZZZ	U16901.D	12/17/13	21:50	10:01	(unrelated sample)
ZZZZZZ	U16902.D	12/17/13	22:17	10:28	(unrelated sample)
ZZZZZZ	U16903.D	12/17/13	22:44	10:55	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std: MSU802-CC801 **Injection Date:** 12/16/13
Lab File ID: U16822.D **Injection Time:** 09:32
Instrument ID: GCMSU **Method:** SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	130404	8.96	203304	9.84	102799	13.11	111490	15.67	67840	6.54
Upper Limit [a]	260808	9.46	406608	10.34	205598	13.61	222980	16.17	135680	7.04
Lower Limit [b]	65202	8.46	101652	9.34	51400	12.61	55745	15.17	33920	6.04

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSU802-BS	127930	8.97	199180	9.84	101134	13.11	109735	15.67	64862	6.54
MSU802-MB	123240	8.97	185310	9.84	95475	13.11	102934	15.68	61156	6.55
ZZZZZZ	119848	8.97	178398	9.84	91899	13.11	98362	15.68	61015	6.56
ZZZZZZ	118424	8.97	183055	9.84	93220	13.11	101136	15.68	58132	6.54
ZZZZZZ	121630	8.97	182623	9.84	94476	13.11	102479	15.68	57124	6.54
ZZZZZZ	120056	8.97	182237	9.84	94045	13.11	101461	15.68	59951	6.56
ZZZZZZ	117088	8.97	178403	9.84	92947	13.11	97555	15.68	59075	6.55
JB55056-6	118836	8.97	181273	9.84	94068	13.11	97919	15.68	48317	6.54
ZZZZZZ	126767	8.97	190442	9.84	108615	13.11	115125	15.68	68955	6.54
ZZZZZZ	136445	8.97	207442	9.84	105660	13.11	113064	15.68	74927	6.56
JB55056-6MS	134455	8.97	209177	9.84	103292	13.11	105559	15.67	51298	6.62
JB55056-6MSD	137387	8.97	209936	9.84	106761	13.11	115693	15.67	67643	6.53
ZZZZZZ	143275	8.97	220915	9.84	118133	13.11	122874	15.68	77330	6.54
ZZZZZZ	136015	8.97	203786	9.84	102802	13.11	114663	15.68	69230	6.57
ZZZZZZ	127902	8.97	201197	9.84	98642	13.11	109364	15.68	59587	6.54
ZZZZZZ	128962	8.97	195857	9.84	100523	13.11	107509	15.68	69663	6.57
MC27081-1	121117	8.97	184960	9.84	92507	13.11	102633	15.68	65455	6.57
MC27081-2	120860	8.97	180628	9.84	93057	13.11	99797	15.68	60697	6.56
MC27081-3	117606	8.97	175958	9.84	88272	13.11	93665	15.68	60640	6.56
MC27081-4	115017	8.97	173601	9.84	87937	13.11	96677	15.68	58671	6.56

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std: MSU804-CC801 **Injection Date:** 12/17/13
Lab File ID: U16880.D **Injection Time:** 12:16
Instrument ID: GCMSU **Method:** SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	130199	8.96	202948	9.84	102260	13.11	108116	15.67	65817	6.55
Upper Limit [a]	260398	9.46	405896	10.34	204520	13.61	216232	16.17	131634	7.05
Lower Limit [b]	65100	8.46	101474	9.34	51130	12.61	54058	15.17	32909	6.05

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSU804-BS	130199	8.96	202948	9.84	102260	13.11	108116	15.67	65817	6.55
MSU804-MB	131079	8.97	197286	9.84	99867	13.11	101583	15.68	55213	6.57
ZZZZZZ	123311	8.97	187858	9.84	91935	13.11	96458	15.68	41558	6.58
MC27155-1	119112	8.97	179621	9.84	90392	13.11	95455	15.68	51842	6.53
ZZZZZZ	117311	8.97	180018	9.84	91314	13.11	97413	15.68	50688	6.54
ZZZZZZ	116907	8.97	175409	9.84	89015	13.11	95250	15.68	55706	6.65
ZZZZZZ	115541	8.97	174207	9.84	86775	13.11	93202	15.68	57546	6.55
ZZZZZZ	117830	8.97	181664	9.84	91802	13.11	98303	15.68	60275	6.54
ZZZZZZ	117520	8.97	175886	9.84	91194	13.11	96538	15.67	58205	6.58
ZZZZZZ	113019	8.97	174788	9.84	89761	13.11	96310	15.67	52196	6.54
ZZZZZZ	110199	8.97	170579	9.84	88762	13.11	97480	15.68	57210	6.56
MC27155-1MS	119036	8.96	181851	9.84	92251	13.11	97729	15.67	48083	6.54
MC27155-1MSD	109875	8.97	168876	9.84	88219	13.11	96063	15.67	53075	6.57
MC27081-1	100475	8.97	150853	9.84	81874	13.11	96237	15.68	49393	6.55
ZZZZZZ	111544	8.97	167929	9.84	86429	13.11	95771	15.68	55726	6.55
ZZZZZZ	112347	8.97	170398	9.84	88797	13.11	93848	15.68	50342	6.64
ZZZZZZ	111190	8.97	168689	9.84	86325	13.11	90954	15.67	52081	6.62
ZZZZZZ	110646	8.97	168344	9.84	87569	13.11	94980	15.68	61067	6.56
ZZZZZZ	111711	8.97	165501	9.84	84612	13.11	91475	15.68	60834	6.56
ZZZZZZ	106671	8.97	160958	9.84	84545	13.11	90516	15.68	55186	6.56
ZZZZZZ	109177	8.97	163267	9.84	85140	13.11	90894	15.68	59815	6.56
ZZZZZZ	107955	8.97	164991	9.84	84542	13.11	92432	15.68	63317	6.56
ZZZZZZ	100696	8.97	152789	9.84	79856	13.11	86801	15.68	62014	6.56

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8260C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC27081-1	U16894.D	119.0	113.0	106.0
MC27081-1	U16844.D	108.0	111.0	110.0
MC27081-2	U16845.D	103.0	108.0	113.0
MC27081-3	U16846.D	106.0	111.0	115.0
MC27081-4	U16847.D	106.0	108.0	111.0
JB55056-6MS	U16836.D	109.0	112.0	117.0
JB55056-6MSD	U16837.D	109.0	113.0	114.0
MC27155-1MS	U16892.D	109.0	112.0	113.0
MC27155-1MSD	U16893.D	108.0	111.0	112.0
MSU802-BS	U16823.D	104.0	110.0	110.0
MSU802-MB	U16825.D	107.0	112.0	115.0
MSU804-BS	U16880.D	110.0	110.0	114.0
MSU804-MB	U16882.D	108.0	112.0	118.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC27081 **Sample:** MSU801-ICC801
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U16809.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report MSU

Method : D:\msdchem\1\methods\U131213W.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

Calibration Files
1 =U16804.D 2 =U16805.D 5 =U16806.D 50 =U16809.D
100 =U16810.D 200 =U16811.D 400 =U16812.D 0.5 =U16803.D
25 =U16808.D 10 =U16807.D = =

Compound	1	2	5	50	100	200	400	0.5	25	10	Avg	%RSD
1) I tert butyl alcohol-d9 ----------ISTD----------												
2) tertiary butyl alcohol	1.129	1.050	1.099	1.049	1.077			0.977	1.027	1.058		4.66
3) Ethanol	0.094	0.164	0.177	0.180	0.197			0.166	0.136	0.159		21.48
---- Linear regression ---- Coefficient = 0.9983												
Response Ratio = -0.25967 + 0.19713 *A												
4) I pentafluorobenzene ----------ISTD----------												
5) dichlorodifluoromethane	0.558	0.573	0.745	0.714	0.652	0.608		0.676	0.724	0.656		10.81
6) chloromethane	1.063	1.025	1.086	1.038	1.028	0.955		0.981	1.038	1.027		4.07
7) vinyl chloride	0.839	0.796	0.740	0.878	0.881	0.809	0.732	0.834	0.872	0.820		6.83
8) bromomethane	0.406	0.342	0.312	0.318	0.320	0.308		0.301	0.320	0.328		10.25
9) chloroethane	0.330	0.315	0.340	0.356	0.328	0.332		0.323	0.345	0.334		3.94
10) ethyl ether	0.558	0.513	0.522	0.514	0.484			0.468	0.500	0.508		5.69
11) acetonitrile	0.226	0.210	0.219	0.223	0.257			0.174	0.197	0.215		12.08
12) trichlorofluoromethane	0.829	0.773	0.751	0.931	0.942	0.875	0.833	0.859	0.884	0.853		7.56
13) freon-113	0.491	0.494	0.472	0.446	0.426			0.431	0.467	0.461		5.92
14) acrolein	0.032	0.041	0.043	0.051	0.054			0.036	0.038	0.042#		18.60
15) 1,1-dichloroethene	0.772	0.642	0.534	0.468	0.462	0.420	0.401	0.401	0.476	0.508		24.45
---- Linear regression ---- Coefficient = 0.9984												
Response Ratio = 0.03248 + 0.40218 *A												
16) acetone	0.085	0.079	0.069	0.069	0.064			0.079	0.067	0.073#		10.92
17) Methyl Acetate	0.981	0.989	0.975	0.965	0.911			0.901	0.962	0.955		3.62
18) methylene chloride	0.606	0.580	0.549	0.539	0.524	0.490		0.501	0.531	0.540		7.14
19) methyl tert butyl ether	1.806	1.434	1.487	1.508	1.483	1.492	1.375	1.361	1.430	1.486		8.80
20) acrylonitrile												

Initial Calibration Summary

Job Number: MC27081 **Sample:** MSU801-ICC801
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U16809.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                    0.271 0.305 0.292 0.308 0.292       0.281 0.306  0.294    4.76
21)  allyl chloride
                    1.196 1.278 1.255 1.211 1.110       1.097 1.212  1.194    5.72
22)  trans-1,2-dichloroethene
          0.935 0.652 0.561 0.519 0.507 0.479 0.452       0.449 0.515  0.563   27.09
           ---- Linear regression ----  Coefficient =  0.9986
             Response Ratio = 0.03146 + 0.45445 *A

23)  iodomethane
                    0.783 0.741 0.750 0.726 0.681       0.681 0.728  0.727    5.04
24)  carbon disulfide
                    1.487 1.471 1.448 1.376 1.301       1.290 1.409  1.397    5.64
25)  propionitrile
                    0.050 0.061 0.061 0.056 0.052       0.049 0.051  0.054    9.07
26)  vinyl acetate
                    1.687 1.732 1.704 1.760 1.724       1.522 1.573  1.672    5.33
27)  chloroprene
                    1.159 1.151 1.141 1.070 1.010       1.018 1.096  1.092    5.66
28)  di-isopropyl ether
               2.880 2.844 2.915 2.827 2.700 2.508       2.599 2.665  2.742    5.32
29)  methacrylonitrile
                    0.473 0.529 0.522 0.512 0.480       0.458 0.547  0.503    6.58
30)  2-butanone
                    0.051 0.073 0.067 0.066 0.062       0.065 0.063  0.064#  10.62
31)  Ethyl Acetate
                    2.447 2.491 2.406 2.278 2.122       2.254 2.535  2.362    6.28
32)  Hexane
                    1.295 1.255 1.224 1.142 1.093       1.144 1.228  1.197    6.02
33)  1,1-dichloroethane
          1.415 1.354 1.184 1.176 1.138 1.108 1.034       1.022 1.128  1.173   11.31
34)  tert-butyl ethyl ether
               2.071 2.057 2.137 2.066 2.040 1.894       1.860 1.941  2.008    4.87
35)  isobutyl alcohol
                    0.088 0.095 0.087 0.087 0.078       0.082 0.096  0.088    7.27
36)  2,2-dichloropropane
                    0.609 0.566 0.530 0.500 0.417       0.509 0.554  0.527   11.52
37)  cis-1,2-dichloroethene
          1.067 0.805 0.677 0.590 0.579 0.554 0.513       0.522 0.610  0.657   27.05
           ---- Linear regression ----  Coefficient =  0.9981
             Response Ratio = 0.04146 + 0.51686 *A

38)  bromochloromethane
                    0.300 0.279 0.271 0.266 0.251       0.247 0.262  0.268    6.69
39)  chloroform
          1.307 1.099 1.110 1.067 1.055 1.002 0.933       0.962 1.055  1.066   10.18
40)  dibromofluoromethane (s)
                    0.452 0.434 0.449 0.455 0.444       0.413 0.449  0.442    3.34
41)  Tetrahydrofuran
                    0.253 0.255 0.251 0.246 0.238       0.224 0.249  0.245    4.46
42)  1,1,1-trichloroethane
          1.019 0.887 0.879 0.841 0.820 0.801 0.741       0.731 0.778  0.833   10.62

43) I   1,4-difluorobenzene   ----------------ISTD---------------------
44)  Cyclohexane
                    0.799 0.780 0.781 0.754 0.719       0.708 0.762  0.757    4.41
45)  carbon tetrachloride
          0.441 0.443 0.415 0.430 0.431 0.421 0.410       0.384 0.405  0.420    4.48
46)  1,1-dichloropropene
                    0.484 0.466 0.482 0.461 0.448       0.419 0.470  0.461    4.84
47)  benzene
```

```
          1.865 1.574 1.442 1.302 1.314 1.245 1.211 1.525 1.230 1.357  1.407   14.44
48)  1,2-dichloroethane
          0.754 0.621 0.596 0.556 0.565 0.552 0.533       0.512 0.553  0.582   12.32
49)  tert-amyl methyl ether
               1.081 1.010 1.014 0.998 0.982 0.907       0.904 0.959  0.982    5.95
50)  heptane
                     0.499 0.502 0.517 0.505 0.468       0.469 0.511  0.496    3.95
51)  trichloroethene
          0.473 0.412 0.406 0.386 0.401 0.376 0.362       0.356 0.388  0.396    8.77
52)  1,2-dichloropropane
               0.471 0.436 0.427 0.432 0.426 0.417       0.386 0.415  0.426    5.58
53)  dibromomethane
               0.237 0.255 0.233 0.237 0.233 0.227       0.214 0.232  0.234    4.90
54)  bromodichloromethane
          0.613 0.548 0.529 0.510 0.515 0.506 0.497       0.460 0.496  0.519    8.25
55)  Methylcyclohexane
                     0.608 0.597 0.605 0.577 0.549       0.545 0.552  0.576    4.78
56)  2-chloroethyl vinyl ether
                     0.142 0.161 0.175 0.181 0.182       0.150 0.151  0.163    9.94
57)  methyl methacrylate
                     0.190 0.215 0.222 0.227 0.230       0.193 0.192  0.210    8.36
58)  1,4-dioxane
                          0.002 0.002 0.003 0.003       0.001        0.002#  32.44
           ---- Linear regression ----  Coefficient =  0.9961
             Response Ratio = -0.00842 + 0.00332 *A

59)  cis-1,3-dichloropropene
          0.652 0.550 0.563 0.575 0.601 0.598 0.593 0.371 0.525 0.538  0.557   13.43
60)  toluene-d8 (s)
               1.144 0.986 0.966 1.061 1.042 1.046       0.958 0.999  1.025    6.01
61)  4-methyl-2-pentanone
                     0.464 0.522 0.513 0.531 0.509       0.478 0.438  0.494    6.96
62)  toluene
          0.963 0.824 0.805 0.796 0.809 0.792 0.772       0.721 0.761  0.805    8.29
63)  trans-1,3-dichloropropene
          0.563 0.498 0.480 0.503 0.519 0.526 0.518 0.290 0.446 0.471  0.482   15.51
64)  1,1,2-trichloroethane
          0.320 0.300 0.261 0.268 0.270 0.275 0.269       0.245 0.266  0.275    8.08
65)  ethyl methacrylate
                     0.365 0.434 0.435 0.427 0.421       0.390 0.392  0.409    6.57

66) I   chlorobenzene-d5      ----------------ISTD---------------------
67)  tetrachloroethene
          0.755 0.794 0.784 0.667 0.692 0.660 0.654       0.622 0.638  0.696    9.32
68)  1,3-dichloropropane
                     1.031 0.950 0.975 0.953 0.928       0.881 0.927  0.949    4.89
69)  dibromochloromethane
          0.717 0.650 0.639 0.666 0.694 0.694 0.683 0.438 0.616 0.626  0.642   12.26
70)  1,2-dibromoethane
               0.617 0.612 0.601 0.613 0.621 0.607       0.574 0.600  0.606    2.44
71)  2-hexanone
                          0.672 0.679 0.675 0.642       0.636 0.619  0.654    3.81
72)  chlorobenzene
          2.258 2.026 1.916 1.763 1.796 1.762 1.730       1.628 1.752  1.848   10.36
73)  1,1,1,2-tetrachloroethane
               0.692 0.663 0.647 0.644 0.653 0.636       0.591 0.623  0.644    4.57
74)  ethylbenzene
          3.715 3.354 3.120 3.013 3.031 3.011 2.942       2.751 2.917  3.095    9.16
75)  m,p-xylene
          1.388 1.232 1.183 1.159 1.172 1.146 1.124 1.028 1.076 1.101  1.161    8.48
```

Initial Calibration Summary

Job Number: MC27081 **Sample:** MSU801-ICC801
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U16809.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

76) o-xylene
1.431 1.261 1.222 1.189 1.195 1.181 1.145 1.051 1.114 1.157 1.195 8.49
77) styrene
1.979 1.924 1.963 1.956 1.926 1.767 1.876 1.913 3.79
78) bromoform
0.514 0.483 0.488 0.541 0.558 0.587 0.571 0.493 0.516 0.528 7.22
79) trans-1,4-dichloro-2-butene
0.207 0.296 0.309 0.344 0.330 0.248 0.218 0.279 19.59

80) I 1,4-dichlorobenzene-d ----------ISTD----------
81) isopropylbenzene
3.026 3.027 3.051 2.942 2.914 2.752 2.843 2.936 3.74
82) bromofluorobenzene (s)
0.769 0.797 0.770 0.812 0.785 0.802 0.739 0.786 0.782 2.94
83) bromobenzene
0.857 0.831 0.827 0.804 0.806 0.750 0.788 0.809 4.22
84) 1,1,2,2-tetrachloroethane
0.981 0.824 0.805 0.739 0.719 0.754 0.748 0.569 0.680 0.744 0.756 13.96
85) 1,2,3-trichloropropane
0.897 0.948 0.945 0.961 0.937 0.833 0.849 0.910 5.64
86) n-propylbenzene
3.885 3.793 3.810 3.669 3.628 3.421 3.632 3.691 4.19
87) 2-chlorotoluene
2.393 2.315 2.307 2.222 2.199 2.072 2.197 2.244 4.65
88) 4-chlorotoluene
2.504 2.376 2.409 2.288 2.296 2.172 2.243 2.327 4.78
89) 1,3,5-trimethylbenzene
2.689 2.645 2.667 2.666 2.632 2.580 2.430 2.493 2.600 3.57
90) tert-butylbenzene
1.683 1.614 1.621 1.613 1.578 1.482 1.521 1.587 4.26
91) 1,2,4-trimethylbenzene
2.806 2.676 2.651 2.708 2.660 2.589 2.439 2.481 2.626 4.57
92) sec-butylbenzene
3.570 3.593 3.583 3.536 3.357 3.268 3.360 3.467 3.86
93) 1,3-dichlorobenzene
1.952 1.867 1.720 1.686 1.713 1.657 1.625 1.523 1.650 1.710 7.53
94) p-isopropyltoluene
2.914 2.856 2.895 2.853 2.744 2.584 2.680 2.789 4.42
95) 1,4-dichlorobenzene
2.259 1.800 1.714 1.659 1.662 1.627 1.597 1.516 1.585 1.713 12.84
96) 1,2-dichlorobenzene
1.896 1.704 1.691 1.695 1.716 1.675 1.627 1.489 1.599 1.677 6.48
97) n-butylbenzene
2.915 2.984 3.056 2.942 2.805 2.715 2.834 2.893 4.01
98) 1,2-dibromo-3-chloropropane
0.172 0.180 0.178 0.185 0.176 0.160 0.186 0.177 4.95
99) 1,3,5-trichlorobenzene
1.321 1.323 1.377 1.336 1.237 1.235 1.289 1.302 4.03
100) 1,2,4-trichlorobenzene
1.219 1.266 1.309 1.281 1.174 1.154 1.181 1.226 4.88
101) hexachlorobutadiene
0.653 0.625 0.646 0.626 0.559 0.600 0.616 0.618 5.06
102) naphthalene
2.689 2.820 2.872 2.811 2.595 2.494 2.608 2.698 5.20
103) 2-Methylnaphthalene
1.251 1.427 1.480 1.560 1.327 1.227 1.287 1.366 9.19
104) 1-Methylnaphthalene
1.043 1.057 1.123 1.194 1.025 0.952 1.010 1.058 7.49
105) 1,2,3-trichlorobenzene
1.162 1.154 1.188 1.183 1.055 1.033 1.095 1.124 5.60

Initial Calibration Summary

Job Number: MC27081 **Sample:** MSU801-ICC801
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U16809.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
--------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          U131213W.m        Mon Dec 16 09:50:12 2013
```

Initial Calibration Verification

Job Number: MC27081 **Sample:** MSU801-ICV801
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U16816.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : D:\msdchem\1\data\U131213\U16816.D Vial: 36
Acq On : 14 Dec 2013 12:21 am Operator: garyk
Sample : icv801-50 Inst : MSU
Misc : ms30755,msu801,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\msdchem\1\methods\U131213W.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 16 09:47:37 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	500.000	500.000	0.0	107	0.00	6.54
2	P	tertiary butyl alcohol	500.000	550.919	-10.2	119	0.00	6.25
3	P	Ethanol	5000.000	4392.043	12.2	96	-0.09	5.45
4	I	pentafluorobenzene	50.000	50.000	0.0	112	0.00	8.96
5	P	dichlorodifluoromethane	50.000	44.305	11.4	88	0.00	4.25
6	P	chloromethane	50.000	54.076	-8.2	115	0.00	4.48
7	P	vinyl chloride	50.000	41.747	16.5	88	0.00	4.73
8	P	bromomethane	50.000	51.017	-2.0	121	0.00	5.21
9	P	chloroethane	50.000	52.669	-5.3	116	0.00	5.38
10	P	ethyl ether	50.000	53.378	-6.8	119	0.00	6.25
11	P	acetonitrile	50.000	52.091	-4.2	120	0.00	5.92
12	P	trichlorofluoromethane	50.000	46.825	6.3	96	0.00	6.04
13	P	freon-113	50.000	52.581	-5.2	110	0.00	6.80
14	P	acrolein	250.000	418.430	-67.0	39	0.00	6.01
15	P	1,1-dichloroethene	50.000	57.315	-14.6	118	0.00	6.60
16	P	acetone	50.000	48.530	2.9	101	0.00	6.14
17	P	Methyl Acetate	50.000	40.700	18.6	88	0.00	6.79
18	P	methylene chloride	50.000	50.706	-1.4	112	0.00	6.75
19	P	methyl tert butyl ether	50.000	47.242	5.5	105	0.00	7.54
20	P	acrylonitrile	50.000	48.881	2.2	211	0.00	6.66
21	P	allyl chloride	50.000	53.012	-6.0	111	0.00	6.84
22	P	trans-1,2-dichloroethene	50.000	56.005	-12.0	117	0.00	7.44
23	P	iodomethane	50.000	55.297	-10.6	122	0.00	6.66
24	P	carbon disulfide	50.000	59.735	-19.5	127	0.00	7.03
25	P	propionitrile	50.000	59.245	-18.5	119	0.00	8.07
26	P	vinyl acetate	50.000	45.047	9.9	98	0.00	7.80
27	P	chloroprene	50.000	54.489	-9.0	116	0.00	8.06
28	P	di-isopropyl ether	50.000	49.080	1.8	104	0.00	8.11
29	P	methacrylonitrile	50.000	50.138	-0.3	107	0.00	8.23
30	P	2-butanone	50.000	50.731	-1.5	99	0.00	8.12
31	P	Ethyl Acetate	50.000	49.874	0.3	106	0.00	8.10
32	P	Hexane	50.000	51.641	-3.3	111	0.00	8.09
33	P	1,1-dichloroethane	50.000	49.694	0.6	111	0.00	7.70
34	P	tert-butyl ethyl ether	50.000	49.868	0.3	105	0.00	8.51
35	P	isobutyl alcohol	250.000	248.924	0.4	104	0.00	8.53
36	P	2,2-dichloropropane	50.000	45.402	9.2	95	0.00	8.56
37	P	cis-1,2-dichloroethene	50.000	51.283	-2.6	109	0.00	8.27
38	P	bromochloromethane	50.000	49.997	0.0	108	0.00	8.44
39	P	chloroform	50.000	45.722	8.6	102	0.00	8.48
40	S	dibromofluoromethane (s)	50.000	51.525	-3.0	118	0.00	8.60
41	P	Tetrahydrofuran	50.000	47.442	5.1	102	0.00	8.82

Initial Calibration Verification

Job Number: MC27081 **Sample:** MSU801-ICV801
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U16816.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42	P	1,1,1-trichloroethane	50.000	45.994	8.0	102	0.00	9.23
43	I	1,4-difluorobenzene	50.000	50.000	0.0	109	0.00	9.84
44	P	Cyclohexane	50.000	50.095	-0.2	106	0.00	9.52
45	P	carbon tetrachloride	50.000	50.022	-0.0	107	0.00	9.60
46	P	1,1-dichloropropene	50.000	50.901	-1.8	110	0.00	9.41
47	P	benzene	50.000	47.172	5.7	111	0.00	9.64
48	P	1,2-dichloroethane	50.000	46.196	7.6	106	0.00	9.13
49	P	tert-amyl methyl ether	50.000	48.981	2.0	104	0.00	9.77
50	P	heptane	50.000	49.632	0.7	107	0.00	9.76
51	P	trichloroethene	50.000	48.971	2.1	110	0.00	10.26
52	P	1,2-dichloropropane	50.000	48.556	2.9	106	0.00	10.23
53	P	dibromomethane	50.000	49.383	1.2	108	0.00	10.20
54	P	bromodichloromethane	50.000	46.800	6.4	104	0.00	10.32
55	P	Methylcyclohexane	50.000	51.104	-2.2	108	0.00	10.78
56	P	2-chloroethyl vinyl ether	50.000	56.588	-13.2	125	0.00	10.70
57	P	methyl methacrylate	50.000	46.887	6.2	100	0.00	10.41
58	P	1,4-dioxane	250.000	292.732	-17.1	134	0.00	10.43
59	P	cis-1,3-dichloropropene	50.000	47.914	4.2	101	0.00	10.94
60	S	toluene-d8 (s)	50.000	51.477	-3.0	119	0.00	11.64
61	P	4-methyl-2-pentanone	50.000	48.285	3.4	100	0.00	11.04
62	P	toluene	50.000	47.671	4.7	105	0.00	11.72
63	P	trans-1,3-dichloropropene	50.000	52.632	-5.3	110	0.00	11.36
64	P	1,1,2-trichloroethane	50.000	46.860	6.3	105	0.00	11.53
65	P	ethyl methacrylate	50.000	49.038	1.9	101	0.00	11.74
66	I	chlorobenzene-d5	50.000	50.000	0.0	107	0.00	13.11
67	P	tetrachloroethene	50.000	46.011	8.0	102	0.00	12.46
68	P	1,3-dichloropropane	50.000	48.044	3.9	103	0.00	11.77
69	P	dibromochloromethane	50.000	50.293	-0.6	104	0.00	12.06
70	P	1,2-dibromoethane	50.000	48.289	3.4	104	0.00	12.31
71	P	2-hexanone	50.000	49.722	0.6	103	0.00	11.91
72	P	chlorobenzene	50.000	44.602	10.8	100	0.00	13.14
73	P	1,1,1,2-tetrachloroethane	50.000	47.907	4.2	102	0.00	13.06
74	P	ethylbenzene	50.000	46.499	7.0	102	0.00	13.32
75	P	m,p-xylene	100.000	92.365	7.6	99	0.00	13.50
76	P	o-xylene	50.000	45.864	8.3	98	0.00	13.92
77	P	styrene	50.000	47.887	4.2	102	0.00	13.84
78	P	bromoform	50.000	48.791	2.4	102	0.00	13.67
79	P	trans-1,4-dichloro-2-bute	50.000	51.579	-3.2	104	0.00	14.07
80	I	1,4-dichlorobenzene-d4	50.000	50.000	0.0	105	0.00	15.67
81	P	isopropylbenzene	50.000	47.401	5.2	96	0.00	14.28
82	S	bromofluorobenzene (s)	50.000	53.982	-8.0	115	0.00	14.34
83	P	bromobenzene	50.000	49.387	1.2	101	0.00	14.57
84	P	1,1,2,2-tetrachloroethane	50.000	47.773	4.5	103	0.00	13.92
85	P	1,2,3-trichloropropane	50.000	50.065	-0.1	101	0.00	14.07
86	P	n-propylbenzene	50.000	45.468	9.1	93	0.00	14.73
87	P	2-chlorotoluene	50.000	46.726	6.5	95	0.00	14.84
88	P	4-chlorotoluene	50.000	48.044	3.9	99	0.00	14.92
89	P	1,3,5-trimethylbenzene	50.000	47.493	5.0	97	0.00	15.00
90	P	tert-butylbenzene	50.000	46.136	7.7	95	0.00	15.31
91	P	1,2,4-trimethylbenzene	50.000	47.315	5.4	98	0.00	15.41
92	P	sec-butylbenzene	50.000	47.212	5.6	96	0.00	15.53
93	P	1,3-dichlorobenzene	50.000	46.124	7.8	98	0.00	15.63
94	P	p-isopropyltoluene	50.000	47.521	5.0	97	0.00	15.71
95	P	1,4-dichlorobenzene	50.000	46.728	6.5	101	0.00	15.70
96	P	1,2-dichlorobenzene	50.000	45.882	8.2	95	0.00	16.07
97	P	n-butylbenzene	50.000	47.785	4.4	97	0.00	16.12
98	P	1,2-dibromo-3-chloropropa	50.000	50.898	-1.8	105	0.00	16.55

Initial Calibration Verification

Job Number: MC27081 **Sample:** MSU801-ICV801
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U16816.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

99	P	1,3,5-trichlorobenzene	50.000	47.200	5.6	97	0.00	17.36
100	P	1,2,4-trichlorobenzene	50.000	49.850	0.3	101	0.00	17.90
101	P	hexachlorobutadiene	50.000	49.447	1.1	103	0.00	18.19
102	P	naphthalene	50.000	52.080	-4.2	104	0.00	18.17
103	P	2-Methylnaphthalene	25.000	28.145	-12.6	113	0.00	19.54
104	P	1-Methylnaphthalene	25.000	29.273	-17.1	123	0.00	19.78
105	P	1,2,3-trichlorobenzene	50.000	51.060	-2.1	104	0.00	18.38

(#) = Out of Range SPCC's out = 0 CCC's out = 0
U16809.D U131213W.m Mon Dec 16 09:55:24 2013

Continuing Calibration Summary

Job Number: MC27081 **Sample:** MSU802-CC801
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U16822.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : D:\msdchem\1\data\U131216\U16822.D Vial: 4
Acq On : 16 Dec 2013 9:32 am Operator: garyk
Sample : cc801-50 Inst : MSU
Misc : ms30755,msu802,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\msdchem\1\methods\U131213W.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 16 09:47:37 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	118	0.00	6.54
2	P	tertiary butyl alcohol	1.058	1.024	3.2	115	0.00	6.26
			Amount	Calc.	%Drift			
3	P	Ethanol	5000.000	4729.987	5.4	116	-0.07	5.47
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	111	0.00	8.96
5	P	dichlorodifluoromethane	0.656	0.572	12.8	85	0.00	4.25
6	P	chloromethane	1.027	1.127	-9.7	115	0.00	4.48
7	P	vinyl chloride	0.820	0.688	16.1	87	0.00	4.73
8	P	bromomethane	0.328	0.325	0.9	116	0.00	5.21
9	P	chloroethane	0.334	0.350	-4.8	114	0.00	5.38
10	P	ethyl ether	0.508	0.533	-4.9	115	0.00	6.26
11	P	acetonitrile	0.215	0.232	-7.9	123	0.00	5.92
12	P	trichlorofluoromethane	0.853	0.775	9.1	92	0.00	6.04
13	P	freon-113	0.461	0.498	-8.0	112	0.00	6.80
14	P	acrolein	0.042	0.075	-78.5	41#	0.00	6.01
			Amount	Calc.	%Drift			
15	P	1,1-dichloroethene	50.000	57.052	-14.1	116	0.00	6.60
			AvgRF	CCRF	%Dev			
16	P	acetone	0.073	0.085#	-16.4	120	0.00	6.14
17	P	Methyl Acetate	0.955	0.750	21.5#	84	-0.01	6.78
18	P	methylene chloride	0.540	0.552	-2.2	111	0.00	6.75
19	P	methyl tert butyl ether	1.486	1.391	6.4	102	0.00	7.54
20	P	acrylonitrile	0.294	0.566	3.7	205#	-0.01	6.66
21	P	allyl chloride	1.194	1.289	-8.0	112	0.00	6.84
			Amount	Calc.	%Drift			
22	P	trans-1,2-dichloroethene	50.000	55.551	-11.1	114	0.00	7.44
			AvgRF	CCRF	%Dev			
23	P	iodomethane	0.727	0.804	-10.6	120	0.00	6.66
24	P	carbon disulfide	1.397	1.689	-20.9#	127	0.00	7.03
25	P	propionitrile	0.054	0.061	-13.0	112	0.00	8.07
26	P	vinyl acetate	1.672	1.533	8.3	98	0.00	7.80
27	P	chloroprene	1.092	1.217	-11.4	117	0.00	8.07
28	P	di-isopropyl ether	2.742	2.681	2.2	102	0.00	8.11
29	P	methacrylonitrile	0.503	0.505	-0.4	106	0.00	8.22

Continuing Calibration Summary

Job Number: MC27081 **Sample:** MSU802-CC801
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U16822.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

30	P	2-butanone	0.064	0.071#	-10.9	107	0.00	8.12
31	P	Ethyl Acetate	2.362	2.456	-4.0	109	0.00	8.10
32	P	Hexane	1.197	1.296	-8.3	114	0.00	8.09
33	P	1,1-dichloroethane	1.173	1.159	1.2	109	0.00	7.70
34	P	tert-butyl ethyl ether	2.008	2.020	-0.6	105	0.00	8.51
35	P	isobutyl alcohol	0.088	0.086	2.3	101	0.00	8.53
36	P	2,2-dichloropropane	0.527	0.562	-6.6	110	0.00	8.56
		----------	Amount	Calc.	%Drift	----------		
37	P	cis-1,2-dichloroethene	50.000	51.778	-3.6	108	0.00	8.27
		----------	AvgRF	CCRF	%Dev	----------		
38	P	bromochloromethane	0.268	0.267	0.4	106	0.00	8.44
39	P	chloroform	1.066	0.974	8.6	101	0.00	8.48
40	S	dibromofluoromethane (s)	0.442	0.465	-5.2	119	0.00	8.60
41	P	Tetrahydrofuran	0.245	0.234	4.5	102	0.00	8.82
42	P	1,1,1-trichloroethane	0.833	0.791	5.0	104	0.00	9.23
43	I	1,4-difluorobenzene	1.000	1.000	0.0	107	0.00	9.84
44	P	Cyclohexane	0.757	0.789	-4.2	109	0.00	9.52
45	P	carbon tetrachloride	0.420	0.433	-3.1	108	0.00	9.60
46	P	1,1-dichloropropene	0.461	0.471	-2.2	109	0.00	9.41
47	P	benzene	1.407	1.322	6.0	109	0.00	9.64
48	P	1,2-dichloroethane	0.582	0.542	6.9	105	0.00	9.13
49	P	tert-amyl methyl ether	0.982	0.963	1.9	102	0.00	9.76
50	P	heptane	0.496	0.472	4.8	101	0.00	9.76
51	P	trichloroethene	0.396	0.376	5.1	105	0.00	10.26
52	P	1,2-dichloropropane	0.426	0.399	6.3	100	0.00	10.23
53	P	dibromomethane	0.234	0.230	1.7	106	0.00	10.20
54	P	bromodichloromethane	0.519	0.483	6.9	102	0.00	10.32
55	P	Methylcyclohexane	0.576	0.597	-3.6	107	0.00	10.78
56	P	2-chloroethyl vinyl ether	0.163	0.171	-4.9	114	0.00	10.70
57	P	methyl methacrylate	0.210	0.192	8.6	96	0.00	10.41
		----------	Amount	Calc.	%Drift	----------		
58	P	1,4-dioxane	250.000	304.191	-21.7#	141	0.00	10.43
		----------	AvgRF	CCRF	%Dev	----------		
59	P	cis-1,3-dichloropropene	0.557	0.546	2.0	102	0.00	10.94
60	S	toluene-d8 (s)	1.025	1.142	-11.4	127	0.00	11.64
61	P	4-methyl-2-pentanone	0.494	0.478	3.2	98	0.00	11.04
62	P	toluene	0.805	0.769	4.5	104	0.00	11.72
63	P	trans-1,3-dichloropropene	0.482	0.499	-3.5	107	0.00	11.36
64	P	1,1,2-trichloroethane	0.275	0.250	9.1	100	0.00	11.53
65	P	ethyl methacrylate	0.409	0.393	3.9	97	0.00	11.74
66	I	chlorobenzene-d5	1.000	1.000	0.0	100	0.00	13.11
67	P	tetrachloroethene	0.696	0.698	-0.3	105	0.00	12.46
68	P	1,3-dichloropropane	0.949	0.958	-0.9	101	0.00	11.77
69	P	dibromochloromethane	0.642	0.689	-7.3	104	0.00	12.06
70	P	1,2-dibromoethane	0.606	0.607	-0.2	101	0.00	12.31
71	P	2-hexanone	0.654	0.740	-13.1	110	0.00	11.91
72	P	chlorobenzene	1.848	1.732	6.3	98	0.00	13.14
73	P	1,1,1,2-tetrachloroethane	0.644	0.664	-3.1	103	0.00	13.06
74	P	ethylbenzene	3.095	3.065	1.0	102	0.00	13.32
75	P	m,p-xylene	1.161	1.138	2.0	98	0.00	13.50
76	P	o-xylene	1.195	1.171	2.0	99	0.00	13.92
77	P	styrene	1.913	1.956	-2.2	102	0.00	13.84
78	P	bromoform	0.528	0.560	-6.1	104	0.00	13.67
79	P	trans-1,4-dichloro-2-bute	0.279	0.340	-21.9#	115	0.00	14.07

Continuing Calibration Summary

Job Number: MC27081 **Sample:** MSU802-CC801
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U16822.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	15.67
81	P	isopropylbenzene	2.936	2.892	1.5	99	0.00	14.28
82	S	bromofluorobenzene (s)	0.782	0.885	-13.2	119	0.00	14.34
83	P	bromobenzene	0.809	0.796	1.6	99	0.00	14.57
84	P	1,1,2,2-tetrachloroethane	0.756	0.724	4.2	102	0.00	13.92
85	P	1,2,3-trichloropropane	0.910	0.975	-7.1	107	0.00	14.07
86	P	n-propylbenzene	3.691	3.462	6.2	95	0.00	14.73
87	P	2-chlorotoluene	2.244	2.143	4.5	96	0.00	14.85
88	P	4-chlorotoluene	2.327	2.285	1.8	100	0.00	14.92
89	P	1,3,5-trimethylbenzene	2.600	2.568	1.2	100	0.00	15.01
90	P	tert-butylbenzene	1.587	1.520	4.2	98	0.00	15.31
91	P	1,2,4-trimethylbenzene	2.626	2.551	2.9	100	0.00	15.41
92	P	sec-butylbenzene	3.467	3.435	0.9	99	0.00	15.53
93	P	1,3-dichlorobenzene	1.710	1.621	5.2	100	0.00	15.64
94	P	p-isopropyltoluene	2.789	2.823	-1.2	103	0.00	15.71
95	P	1,4-dichlorobenzene	1.713	1.635	4.6	102	0.00	15.70
96	P	1,2-dichlorobenzene	1.677	1.605	4.3	98	0.00	16.07
97	P	n-butylbenzene	2.893	2.894	-0.0	101	0.00	16.13
98	P	1,2-dibromo-3-chloropropa	0.177	0.173	2.3	99	0.00	16.55
99	P	1,3,5-trichlorobenzene	1.302	1.296	0.5	102	0.00	17.37
100	P	1,2,4-trichlorobenzene	1.226	1.281	-4.5	105	0.00	17.90
101	P	hexachlorobutadiene	0.618	0.656	-6.1	109	0.00	18.19
102	P	naphthalene	2.698	2.844	-5.4	105	0.00	18.17
103	P	2-Methylnaphthalene	1.366	1.525	-11.6	111	0.00	19.54
104	P	1-Methylnaphthalene	1.058	1.220	-15.3	120	0.00	19.79
105	P	1,2,3-trichlorobenzene	1.124	1.162	-3.4	104	0.00	18.38

(#) = Out of Range SPCC's out = 3 CCC's out = 0
U16809.D U131213W.m Mon Dec 16 10:52:44 2013

Continuing Calibration Summary

Job Number: MC27081 **Sample:** MSU804-CC801
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U16880.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : D:\msdchem\1\data\U131217\U16880.D Vial: 3
Acq On : 17 Dec 2013 12:16 pm Operator: garyk
Sample : cc801-50 Inst : MSU
Misc : ms30797,msu804,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\msdchem\1\methods\U131213W.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 16 09:47:37 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	115	0.00	6.55
2	P	tertiary butyl alcohol	1.058	1.102	-4.2	120	0.00	6.26
			Amount	Calc.	%Drift			
3	P	Ethanol	5000.000	4700.821	6.0	111	-0.07	5.47
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	111	0.00	8.96
5	P	dichlorodifluoromethane	0.656	0.568	13.4	84	0.00	4.25
6	P	chloromethane	1.027	1.151	-12.1	117	0.00	4.48
7	P	vinyl chloride	0.820	0.734	10.5	92	0.00	4.73
8	P	bromomethane	0.328	0.342	-4.3	121	0.00	5.22
9	P	chloroethane	0.334	0.360	-7.8	117	0.00	5.38
10	P	ethyl ether	0.508	0.557	-9.6	120	0.00	6.26
11	P	acetonitrile	0.215	0.237	-10.2	125	0.00	5.92
12	P	trichlorofluoromethane	0.853	0.848	0.6	101	0.00	6.04
13	P	freon-113	0.461	0.525	-13.9	118	0.00	6.80
14	P	acrolein	0.042	0.025	-40.05	13#	0.00	6.01
			Amount	Calc.	%Drift			
15	P	1,1-dichloroethene	50.000	60.190	-20.4#	122	0.00	6.60
			AvgRF	CCRF	%Dev			
16	P	acetone	0.073	0.102	-39.7#	143	0.00	6.14
17	P	Methyl Acetate	0.955	0.759	20.5#	85	0.00	6.79
18	P	methylene chloride	0.540	0.562	-4.1	113	0.00	6.75
19	P	methyl tert butyl ether	1.486	1.490	-0.3	109	0.00	7.54
20	P	acrylonitrile	0.294	0.299	-1.8	217#	0.00	6.67
21	P	allyl chloride	1.194	1.342	-12.4	116	0.00	6.85
			Amount	Calc.	%Drift			
22	P	trans-1,2-dichloroethene	50.000	59.783	-19.6	122	0.00	7.45
			AvgRF	CCRF	%Dev			
23	P	iodomethane	0.727	0.855	-17.6	128	0.00	6.66
24	P	carbon disulfide	1.397	1.778	-27.3#	134	0.00	7.03
25	P	propionitrile	0.054	0.067	-24.1#	122	0.00	8.07
26	P	vinyl acetate	1.672	1.613	3.5	103	0.00	7.80
27	P	chloroprene	1.092	1.274	-16.7	123	0.00	8.07
28	P	di-isopropyl ether	2.742	2.806	-2.3	107	0.00	8.11
29	P	methacrylonitrile	0.503	0.524	-4.2	110	0.00	8.23

Continuing Calibration Summary

Job Number: MC27081 **Sample:** MSU804-CC801
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U16880.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

30	P	2-butanone	0.064	0.077#	-20.3#	116	0.00	8.12
31	P	Ethyl Acetate	2.362	2.702	-14.4	120	0.00	8.11
32	P	Hexane	1.197	1.352	-12.9	119	0.00	8.09
33	P	1,1-dichloroethane	1.173	1.210	-3.2	114	0.00	7.70
34	P	tert-butyl ethyl ether	2.008	2.111	-5.1	109	0.00	8.51
35	P	isobutyl alcohol	0.088	0.088	0.0	103	0.00	8.53
36	P	2,2-dichloropropane	0.527	0.596	-13.1	117	0.00	8.56
		----------	Amount	Calc.	%Drift		----------	
37	P	cis-1,2-dichloroethene	50.000	55.963	-11.9	116	0.00	8.28
		----------	AvgRF	CCRF	%Dev		----------	
38	P	bromochloromethane	0.268	0.285	-6.3	113	0.00	8.44
39	P	chloroform	1.066	1.038	2.6	108	0.00	8.48
40	S	dibromofluoromethane (s)	0.442	0.486	-10.0	124	0.00	8.60
41	P	Tetrahydrofuran	0.245	0.243	0.8	105	0.00	8.82
42	P	1,1,1-trichloroethane	0.833	0.822	1.3	108	0.00	9.23
43	I	1,4-difluorobenzene	1.000	1.000	0.0	107	0.00	9.84
44	P	Cyclohexane	0.757	0.830	-9.6	114	0.00	9.52
45	P	carbon tetrachloride	0.420	0.479	-14.0	119	0.00	9.60
46	P	1,1-dichloropropene	0.461	0.505	-9.5	116	0.00	9.41
47	P	benzene	1.407	1.409	-0.1	116	0.00	9.64
48	P	1,2-dichloroethane	0.582	0.601	-3.3	116	0.00	9.14
49	P	tert-amyl methyl ether	0.982	1.001	-1.9	106	0.00	9.76
50	P	heptane	0.496	0.498	-0.4	106	0.00	9.76
51	P	trichloroethene	0.396	0.402	-1.5	112	0.00	10.26
52	P	1,2-dichloropropane	0.426	0.422	0.9	106	0.00	10.23
53	P	dibromomethane	0.234	0.238	-1.7	110	0.00	10.20
54	P	bromodichloromethane	0.519	0.497	4.2	105	0.00	10.32
55	P	Methylcyclohexane	0.576	0.635	-10.2	114	0.00	10.78
56	P	2-chloroethyl vinyl ether	0.163	0.171	-4.9	114	0.00	10.70
57	P	methyl methacrylate	0.210	0.205	2.4	102	0.00	10.42
		----------	Amount	Calc.	%Drift		----------	
58	P	1,4-dioxane	250.000	347.352	-38.9#	175	0.00	10.44
		----------	AvgRF	CCRF	%Dev		----------	
59	P	cis-1,3-dichloropropene	0.557	0.564	-1.3	105	0.00	10.94
60	S	toluene-d8 (s)	1.025	1.133	-10.5	126	0.00	11.64
61	P	4-methyl-2-pentanone	0.494	0.498	-0.8	102	0.00	11.04
62	P	toluene	0.805	0.808	-0.4	109	0.00	11.72
63	P	trans-1,3-dichloropropene	0.482	0.505	-4.8	108	0.00	11.36
64	P	1,1,2-trichloroethane	0.275	0.254	7.6	102	0.00	11.53
65	P	ethyl methacrylate	0.409	0.405	1.0	100	0.00	11.74
66	I	chlorobenzene-d5	1.000	1.000	0.0	100	0.00	13.11
67	P	tetrachloroethene	0.696	0.711	-2.2	106	0.00	12.46
68	P	1,3-dichloropropane	0.949	0.986	-3.9	103	0.00	11.77
69	P	dibromochloromethane	0.642	0.699	-8.9	105	0.00	12.06
70	P	1,2-dibromoethane	0.606	0.618	-2.0	103	0.00	12.31
71	P	2-hexanone	0.654	0.826	-26.3#	123	-0.01	11.90
72	P	chlorobenzene	1.848	1.791	3.1	101	0.00	13.14
73	P	1,1,1,2-tetrachloroethane	0.644	0.691	-7.3	106	0.00	13.06
74	P	ethylbenzene	3.095	3.164	-2.2	105	0.00	13.32
75	P	m,p-xylene	1.161	1.182	-1.8	102	0.00	13.50
76	P	o-xylene	1.195	1.201	-0.5	101	0.00	13.92
77	P	styrene	1.913	1.982	-3.6	103	0.00	13.84
78	P	bromoform	0.528	0.549	-4.0	101	0.00	13.67
79	P	trans-1,4-dichloro-2-bute	0.279	0.300	-7.5	101	0.00	14.07

Continuing Calibration Summary

Job Number: MC27081 **Sample:** MSU804-CC801
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U16880.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	15.67
81	P	isopropylbenzene	2.936	3.076	-4.8	102	0.00	14.28
82	S	bromofluorobenzene (s)	0.782	0.892	-14.1	117	0.00	14.34
83	P	bromobenzene	0.809	0.846	-4.6	102	0.00	14.57
84	P	1,1,2,2-tetrachloroethane	0.756	0.809	-7.0	110	0.00	13.92
85	P	1,2,3-trichloropropane	0.910	0.951	-4.5	101	0.00	14.07
86	P	n-propylbenzene	3.691	3.688	0.1	98	0.00	14.73
87	P	2-chlorotoluene	2.244	2.273	-1.3	99	0.00	14.84
88	P	4-chlorotoluene	2.327	2.411	-3.6	102	0.00	14.92
89	P	1,3,5-trimethylbenzene	2.600	2.733	-5.1	103	0.00	15.00
90	P	tert-butylbenzene	1.587	1.596	-0.6	100	0.00	15.31
91	P	1,2,4-trimethylbenzene	2.626	2.758	-5.0	105	0.00	15.41
92	P	sec-butylbenzene	3.467	3.659	-5.5	103	0.00	15.53
93	P	1,3-dichlorobenzene	1.710	1.732	-1.3	103	0.00	15.63
94	P	p-isopropyltoluene	2.789	2.994	-7.4	106	0.00	15.71
95	P	1,4-dichlorobenzene	1.713	1.724	-0.6	105	0.00	15.70
96	P	1,2-dichlorobenzene	1.677	1.697	-1.2	101	0.00	16.07
97	P	n-butylbenzene	2.893	3.090	-6.8	104	0.00	16.12
98	P	1,2-dibromo-3-chloropropa	0.177	0.181	-2.3	101	0.00	16.55
99	P	1,3,5-trichlorobenzene	1.302	1.409	-8.2	107	0.00	17.36
100	P	1,2,4-trichlorobenzene	1.226	1.383	-12.8	110	0.00	17.90
101	P	hexachlorobutadiene	0.618	0.725	-17.3	117	0.00	18.19
102	P	naphthalene	2.698	3.070	-13.8	110	0.00	18.17
103	P	2-Methylnaphthalene	1.366	1.643	-20.3#	116	0.00	19.54
104	P	1-Methylnaphthalene	1.058	1.369	-29.4#	130	0.00	19.78
105	P	1,2,3-trichlorobenzene	1.124	1.274	-13.3	111	0.00	18.38

(#) = Out of Range SPCC's out = 2 CCC's out = 0
U16809.D U131213W.m Tue Dec 17 16:02:20 2013

New England ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16844.D
Acq On : 16 Dec 2013 7:33 pm
Operator : garyk
Sample : mc27081-1
Misc : ms30784,msu802,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 17 08:41:17 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

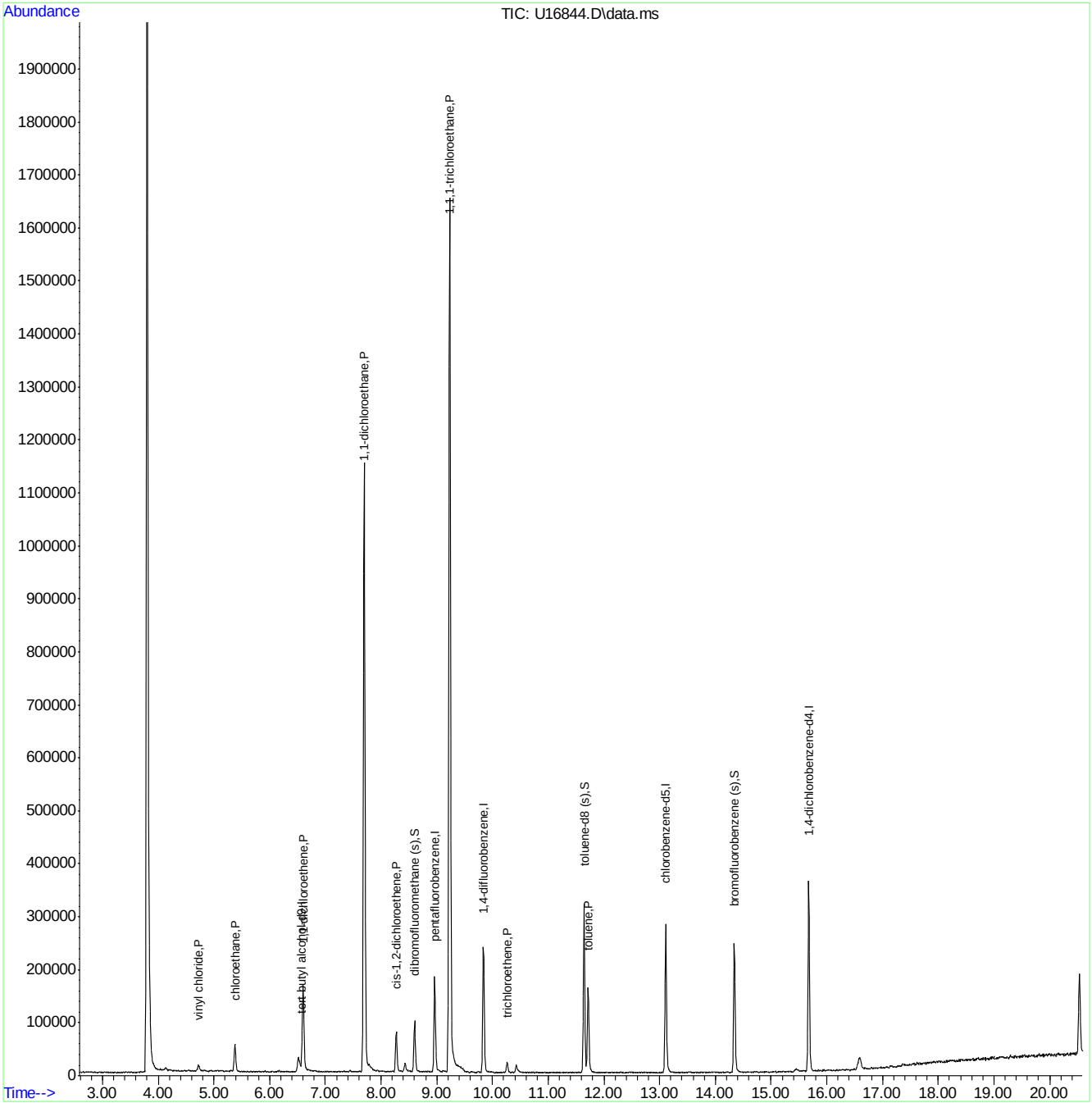
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.572	65	65455	500.00	ppb	0.03
4) pentafluorobenzene	8.966	168	121117	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.841	114	184960	50.00	ppb	0.00
66) chlorobenzene-d5	13.112	82	92507	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.678	152	102633	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.601	113	57667	53.83	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.66%			
60) toluene-d8 (s)	11.646	98	209787	55.31	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.62%			
82) bromofluorobenzene (s)	14.342	95	88289	54.97	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.94%			
Target Compounds						Qvalue
7) vinyl chloride	4.726	62	14700	7.40	ppb	95
9) chloroethane	5.378	64	43254	53.52	ppb	97
15) 1,1-dichloroethene	6.602	96	61104	58.68	ppb	89
33) 1,1-dichloroethane	7.701	63	1220533	429.48	ppb	99
37) cis-1,2-dichloroethene	8.277	96	30552	20.39	ppb	97
42) 1,1,1-trichloroethane	9.238	97	1096882	543.62	ppb	95
51) trichloroethene	10.264	95	6683	4.57	ppb	94
62) toluene	11.720	92	68113	22.87	ppb	99

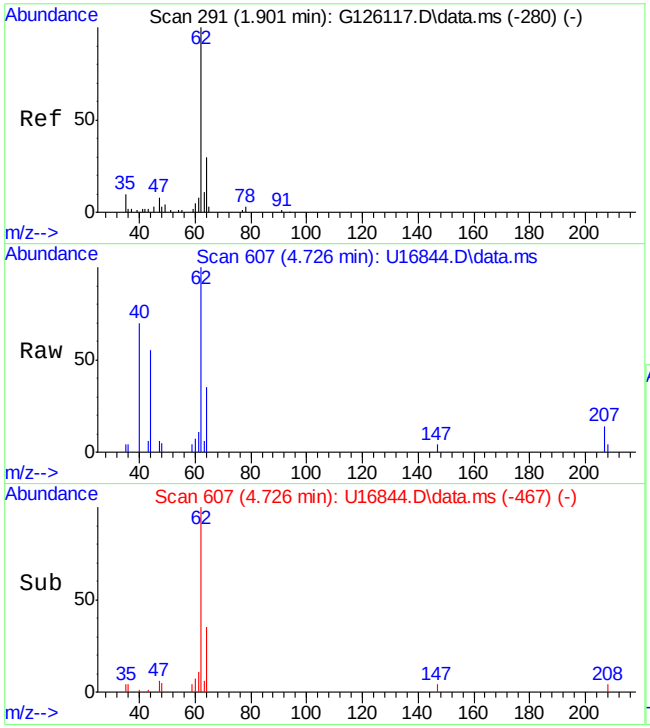
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16844.D
Acq On : 16 Dec 2013 7:33 pm
Operator : garyk
Sample : mc27081-1
Misc : ms30784,msu802,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 17 08:41:17 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

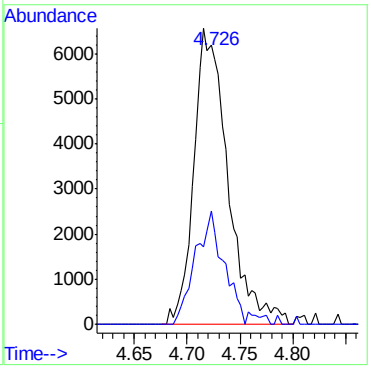


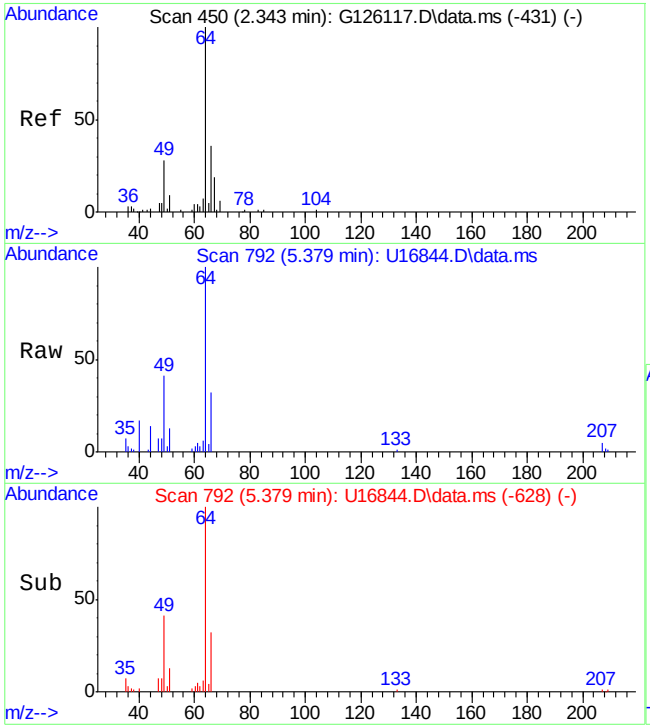


#7
vinyl chloride
Concen: 7.40 ppb
RT: 4.726 min Scan# 607
Delta R.T. -0.006 min
Lab File: U16844.D
Acq: 16 Dec 2013 7:33 pm

Tgt Ion: 62 Resp: 14700

Ion	Ratio	Lower	Upper
62	100		
64	34.8	1.8	61.8

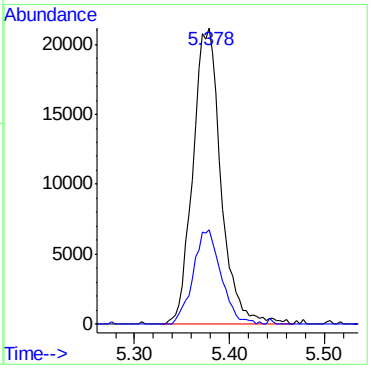


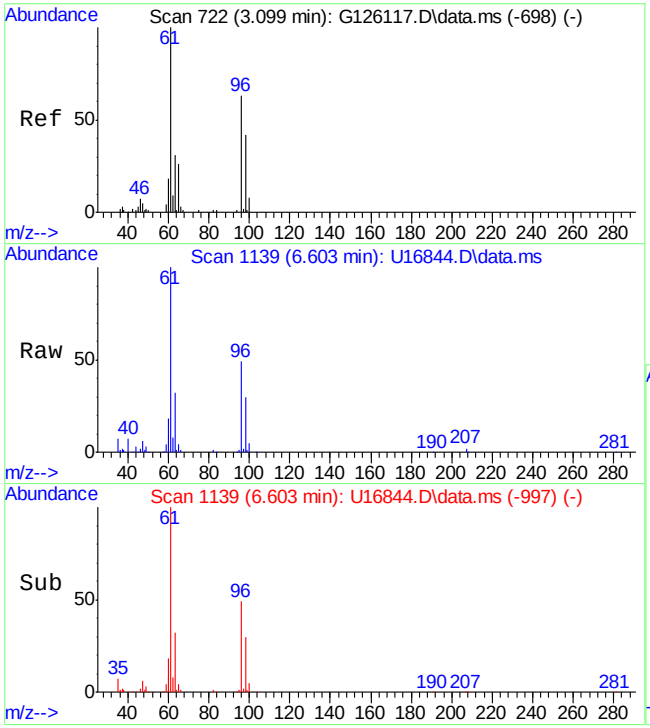


#9
chloroethane
Concen: 53.52 ppb
RT: 5.378 min Scan# 792
Delta R.T. -0.002 min
Lab File: U16844.D
Acq: 16 Dec 2013 7:33 pm

Tgt Ion: 64 Resp: 43254

Ion	Ratio	Lower	Upper
64	100		
66	31.8	0.1	60.1

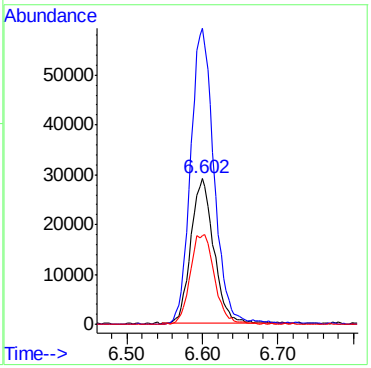


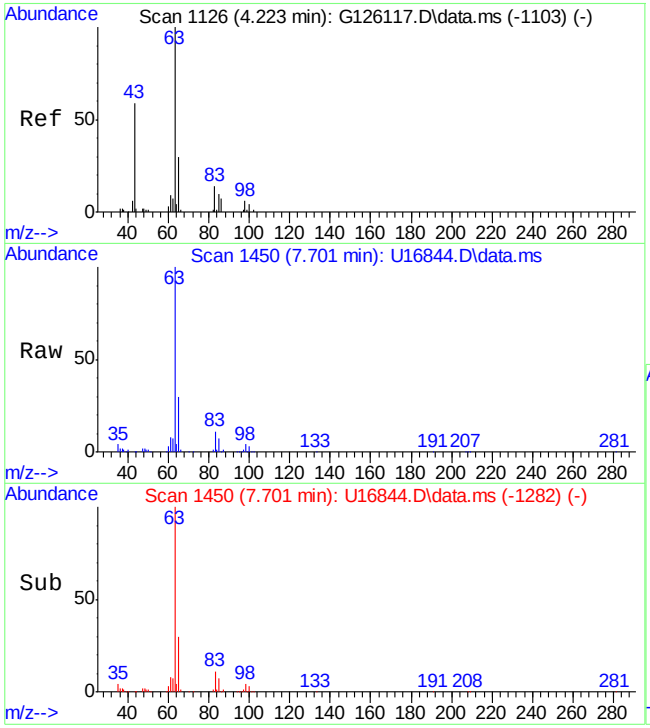


#15
1,1-dichloroethene
Concen: 58.68 ppb
RT: 6.602 min Scan# 1139
Delta R.T. -0.001 min
Lab File: U16844.D
Acq: 16 Dec 2013 7:33 pm

Tgt Ion: 96 Resp: 61104

Ion	Ratio	Lower	Upper
96	100		
61	204.6	158.7	218.7
63	65.5	27.6	87.6

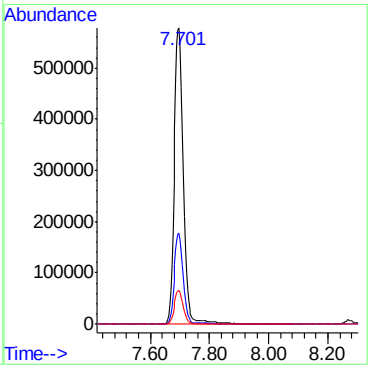


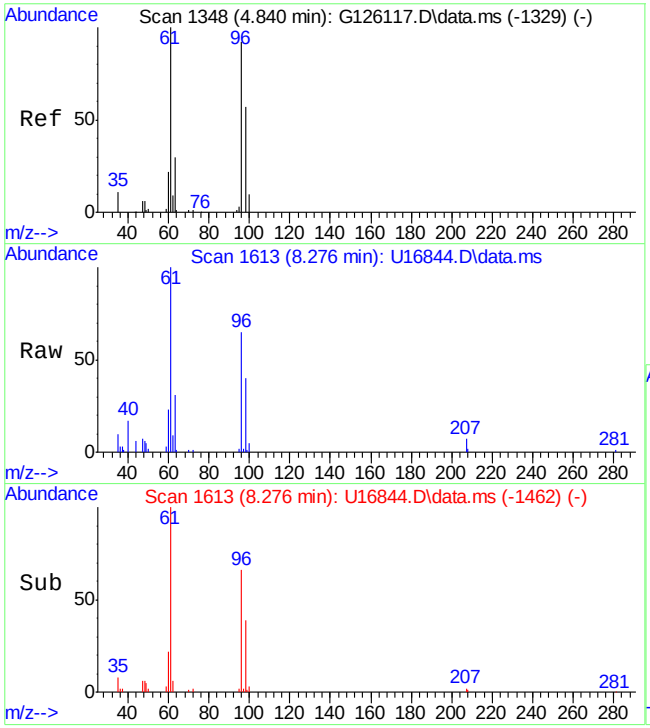


#33
1,1-dichloroethane
Concen: 429.48 ppb
RT: 7.701 min Scan# 1450
Delta R.T. 0.002 min
Lab File: U16844.D
Acq: 16 Dec 2013 7:33 pm

Tgt Ion: 63 Resp: 1220533

Ion	Ratio	Lower	Upper
63	100		
65	30.5	0.0	59.7
83	11.2	0.0	41.8

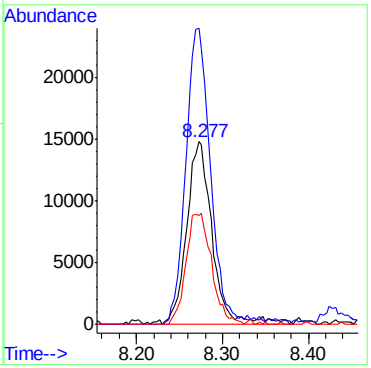


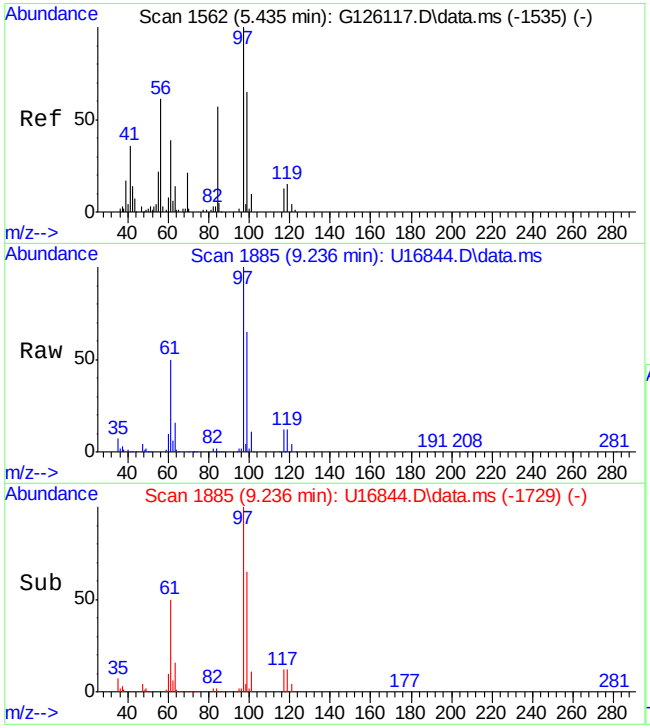


#37
cis-1,2-dichloroethene
Concen: 20.39 ppb
RT: 8.277 min Scan# 1613
Delta R.T. 0.004 min
Lab File: U16844.D
Acq: 16 Dec 2013 7:33 pm

Tgt Ion: 96 Resp: 30552

Ion	Ratio	Lower	Upper
96	100		
61	154.2	126.3	186.3
98	61.9	36.2	96.2

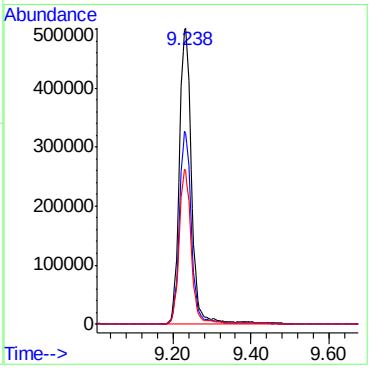


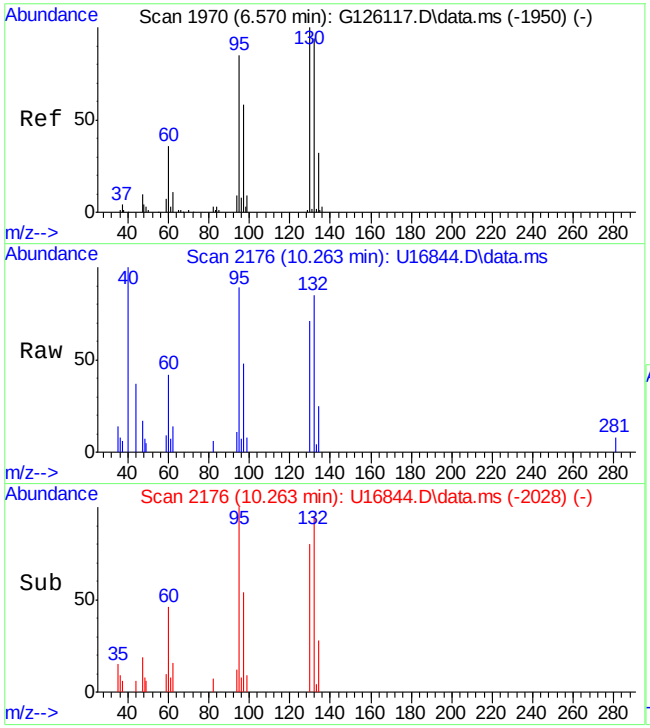


#42
1,1,1-trichloroethane
Concen: 543.62 ppb
RT: 9.238 min Scan# 1885
Delta R.T. 0.002 min
Lab File: U16844.D
Acq: 16 Dec 2013 7:33 pm

Tgt Ion: 97 Resp: 1096882

Ion	Ratio	Lower	Upper
97	100		
99	64.7	33.0	93.0
61	50.1	14.2	74.2

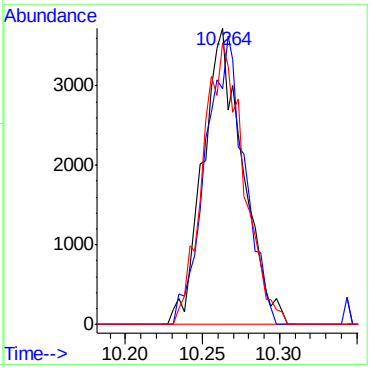


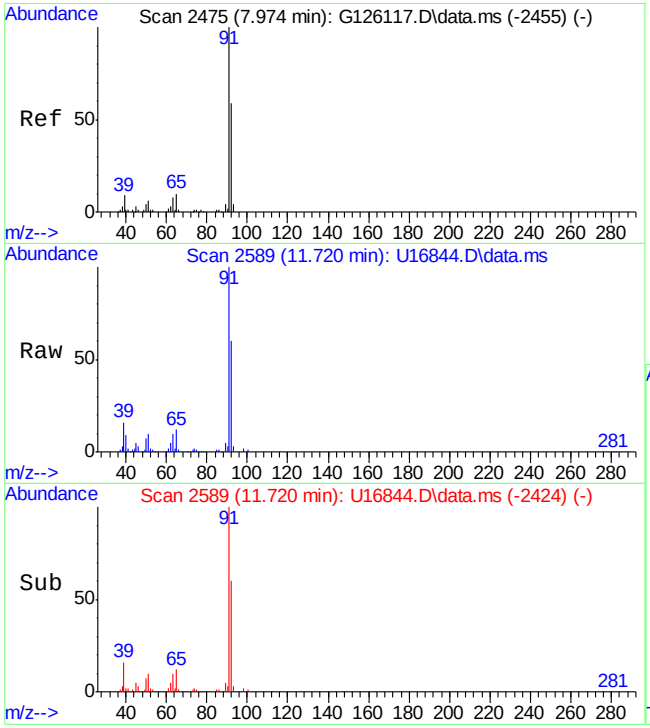


#51
trichloroethene
Concen: 4.57 ppb
RT: 10.264 min Scan# 2176
Delta R.T. 0.003 min
Lab File: U16844.D
Acq: 16 Dec 2013 7:33 pm

Tgt Ion: 95 Resp: 6683

Ion	Ratio	Lower	Upper
95	100		
130	79.7	58.8	118.8
132	95.1	62.5	122.5

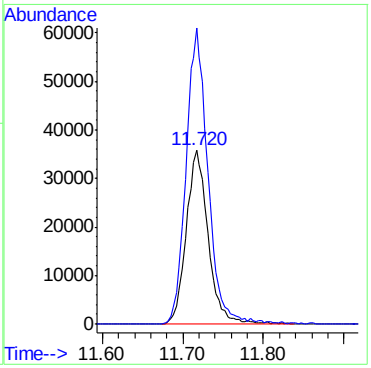




#62
toluene
Concen: 22.87 ppb
RT: 11.720 min Scan# 2589
Delta R.T. 0.003 min
Lab File: U16844.D
Acq: 16 Dec 2013 7:33 pm

Tgt Ion: 92 Resp: 68113

Ion	Ratio	Lower	Upper
92	100		
91	167.2	139.2	199.2



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U131216\
Data File : U16844.D
Acq On : 16 Dec 2013 7:33 pm
Operator : garyk
Sample : mc27081-1
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U131213W.m
Title : SW-846 Method 8260

Signal : TIC: U16844.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.379	763	792	863	rVB	51710	126859	3.48%	1.192%
2	6.519	1078	1115	1123	rBV3	28200	77332	2.12%	0.727%
3	6.600	1123	1138	1253	rVB2	164467	419399	11.50%	3.942%
4	7.697	1428	1449	1523	rVB	1149414	2417066	66.27%	22.716%
5	8.272	1573	1612	1633	rBV2	74834	151222	4.15%	1.421%
6	8.601	1688	1705	1763	rVB3	97470	205825	5.64%	1.934%
7	8.961	1768	1807	1843	rBV	180843	356731	9.78%	3.353%
8	9.229	1858	1883	1983	rVB	1650924	3647470	100.00%	34.279%
9	9.836	2033	2055	2113	rVB	237574	469343	12.87%	4.411%
10	11.643	2548	2567	2578	rBV	318606	574840	15.76%	5.402%
11	11.717	2578	2588	2643	rVB2	161193	321037	8.80%	3.017%
12	13.107	2958	2982	3048	rBV	281558	556195	15.25%	5.227%
13	14.339	3313	3331	3378	rVB	244427	467677	12.82%	4.395%
14	15.676	3688	3710	3748	rBV	359838	661356	18.13%	6.215%
15	16.587	3923	3968	4013	rBV5	24114	125816	3.45%	1.182%
16	20.412	4968	5052	5058	rBV5	6823	62335	1.71%	0.586%

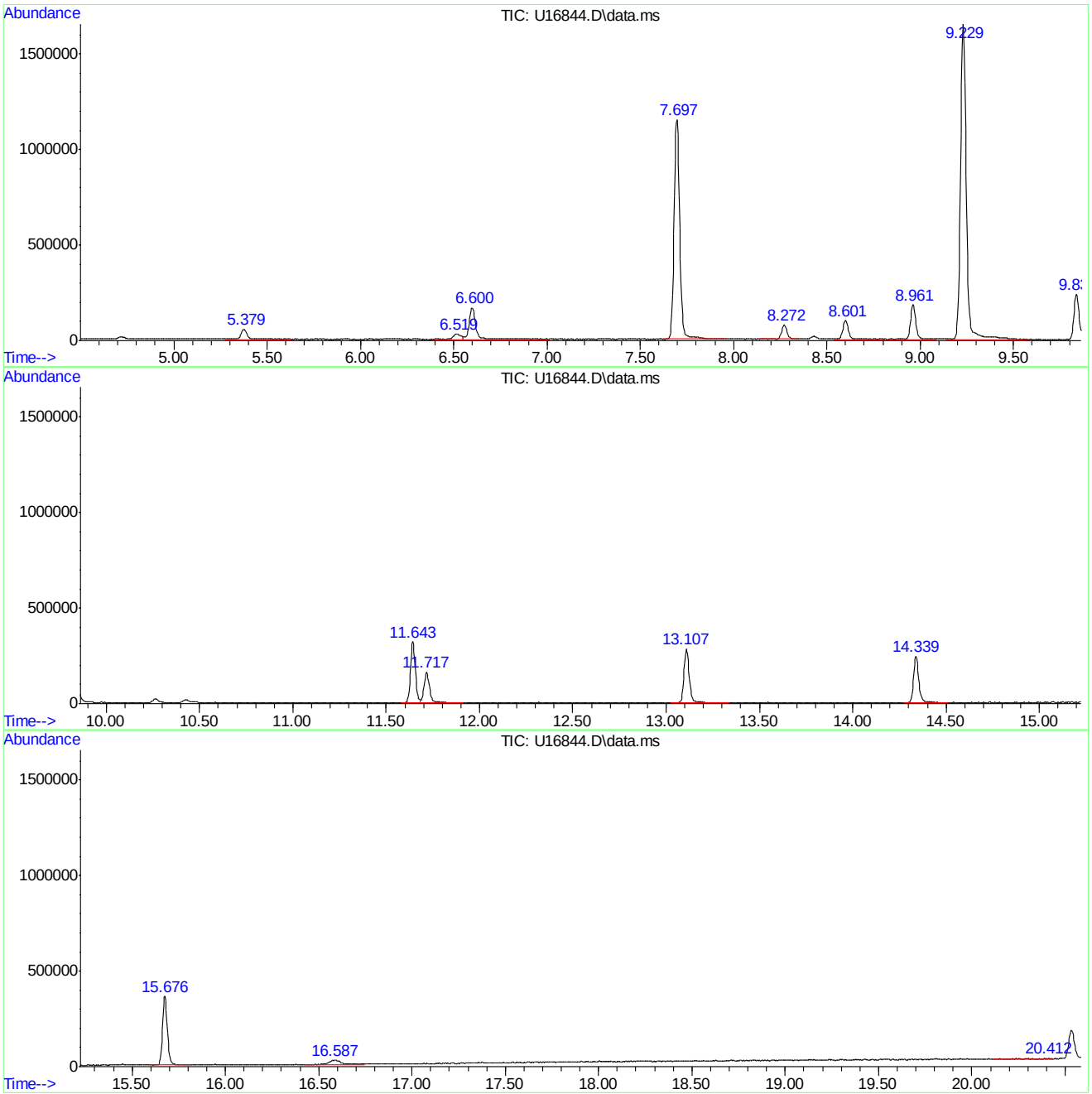
Sum of corrected areas: 10640503

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U131216\
Data File : U16844.D
Acq On : 16 Dec 2013 7:33 pm
Operator : garyk
Sample : mc27081-1
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U131216\
Data File : U16844.D
Acq On : 16 Dec 2013 7:33 pm
Operator : garyk
Sample : mc27081-1
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260

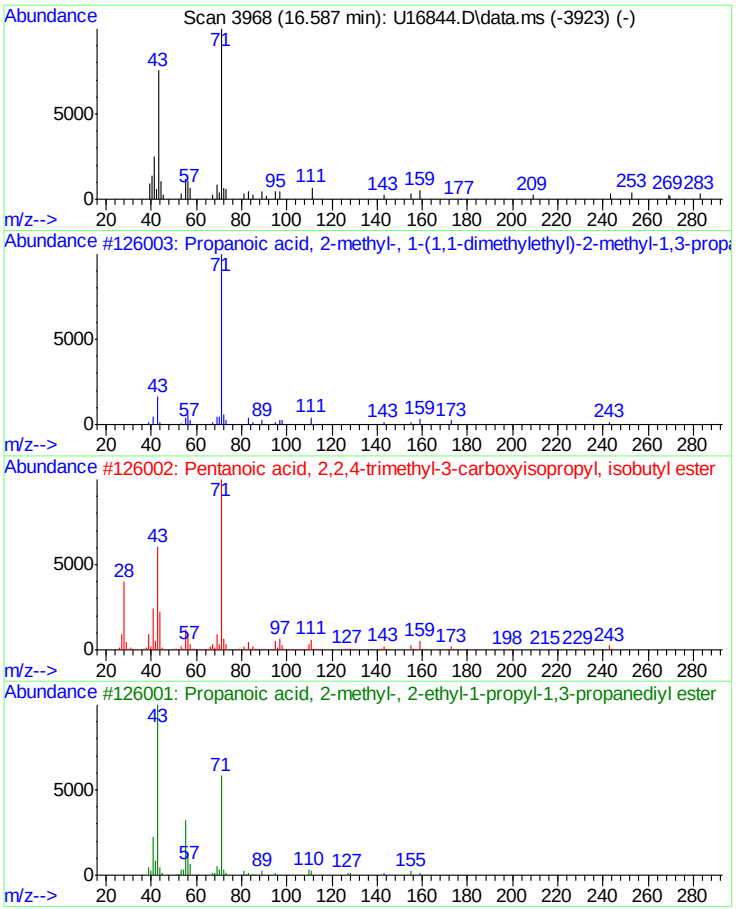
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

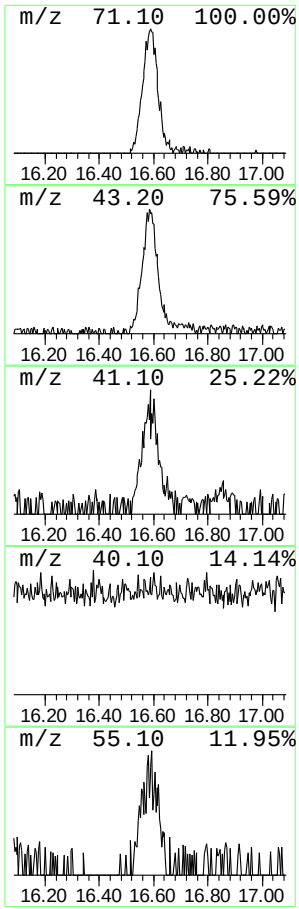
****

Peak Number 2 Propanoic acid, 2-methyl-, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.587	9.51 ppb	125816	1,4-dichlorobenzene-d4	15.678

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-(1,...	286	C16H30O4	074381-40-1	80
2	Pentanoic acid, 2,2,4-trimethyl-...	286	C16H30O4	1000140-77-5	72
3	Propanoic acid, 2-methyl-, 2-eth...	286	C16H30O4	074367-30-9	64
4	4,5-Octanedione	142	C8H14O2	005455-24-3	50
5	Butane, 2-iodo-3-methyl-	198	C5H11I	018295-27-7	47





Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U131216\
Data File : U16844.D
Acq On : 16 Dec 2013 7:33 pm
Operator : garyk
Sample : mc27081-1
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propanoic acid,...	16.587	9.5	ppb	125816	5	15.678	661356	50.0

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131217\
Data File : U16894.D
Acq On : 17 Dec 2013 6:40 pm
Operator : garyk
Sample : mc27081-1
Misc : ms30784,msu804,,,,5,100
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 18 07:45:22 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

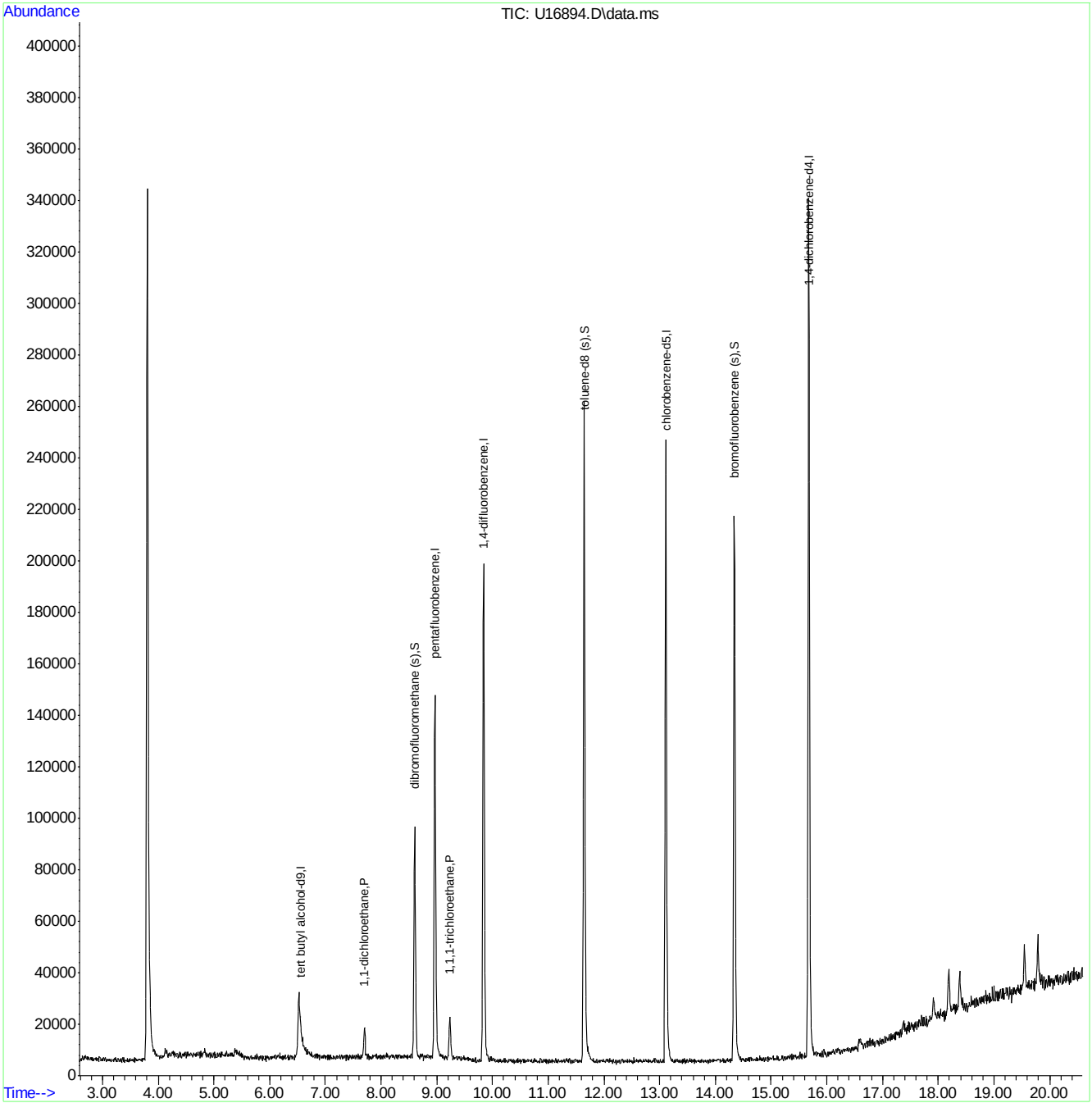
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.549	65	49393	500.00	ppb	0.00
4) pentafluorobenzene	8.969	168	100475	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.843	114	150853	50.00	ppb	0.00
66) chlorobenzene-d5	13.113	82	81874	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.679	152	96237	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.604	113	52789	59.40	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 118.80%			
60) toluene-d8 (s)	11.648	98	174447	56.39	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.78%			
82) bromofluorobenzene (s)	14.343	95	79458	52.76	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.52%			
Target Compounds						Qvalue
33) 1,1-dichloroethane	7.702	63	11793	5.00	ppb	98
42) 1,1,1-trichloroethane	9.235	97	10193	6.09	ppb	88

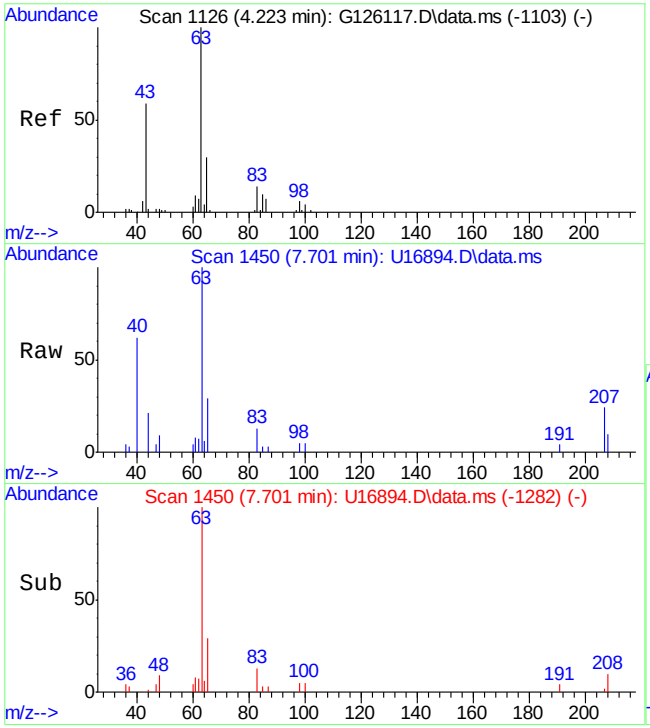
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131217\
Data File : U16894.D
Acq On : 17 Dec 2013 6:40 pm
Operator : garyk
Sample : mc27081-1
Misc : ms30784,msu804,,,,5,100
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 18 07:45:22 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

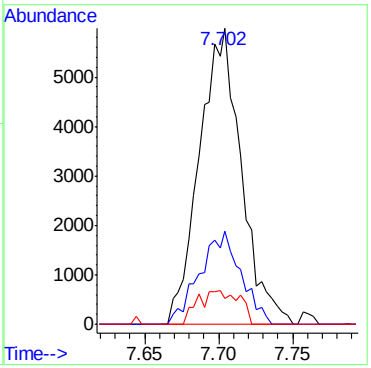


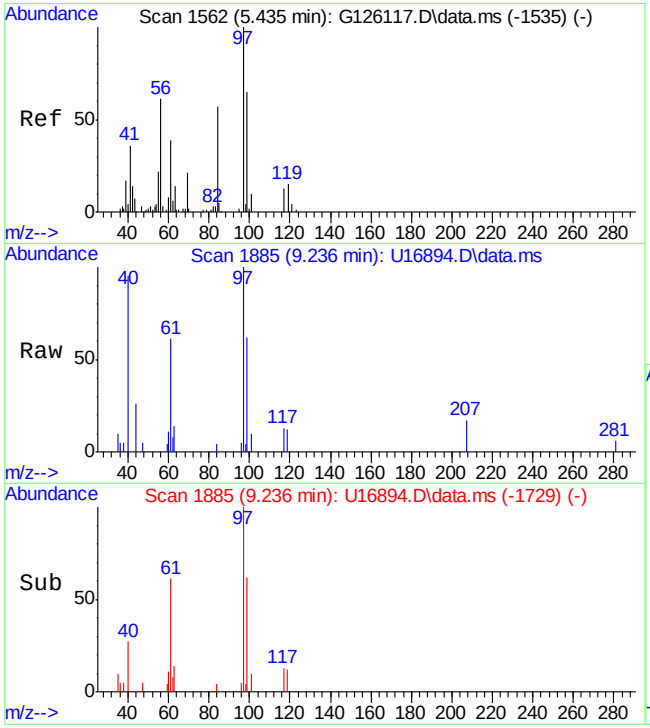


#33
1,1-dichloroethane
Concen: 5.00 ppb
RT: 7.702 min Scan# 1450
Delta R.T. 0.003 min
Lab File: U16894.D
Acq: 17 Dec 2013 6:40 pm

Tgt Ion: 63 Resp: 11793

Ion	Ratio	Lower	Upper
63	100		
65	28.6	0.0	59.7
83	12.8	0.0	41.8

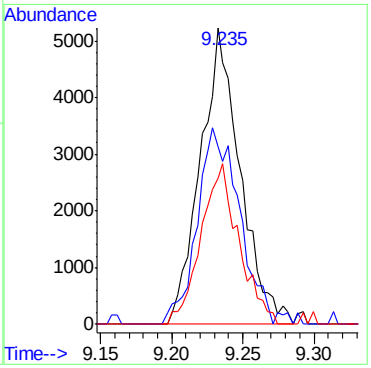




#42
1,1,1-trichloroethane
Concen: 6.09 ppb
RT: 9.235 min Scan# 1885
Delta R.T. -0.001 min
Lab File: U16894.D
Acq: 17 Dec 2013 6:40 pm

Tgt Ion: 97 Resp: 10193

Ion	Ratio	Lower	Upper
97	100		
99	62.1	33.0	93.0
61	61.4	14.2	74.2



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/17/13 10:26

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16845.D
Acq On : 16 Dec 2013 8:00 pm
Operator : garyk
Sample : mc27081-2
Misc : ms30784,msu802,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 08:42:44 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

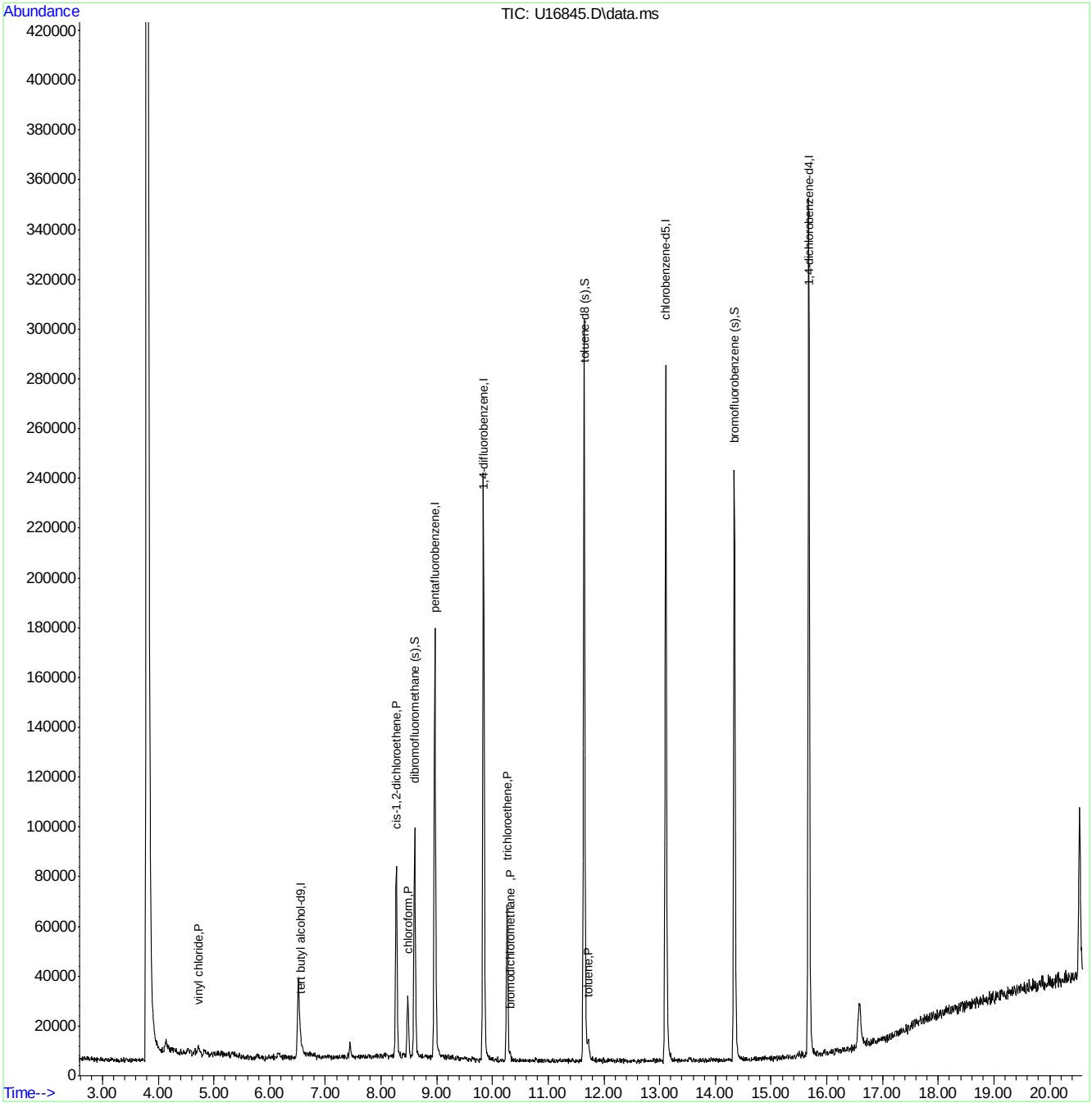
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.557	65	60697m	500.00	ppb	0.01
4) pentafluorobenzene	8.968	168	120860	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.841	114	180628	50.00	ppb	0.00
66) chlorobenzene-d5	13.112	82	93057	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.678	152	99797	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.602	113	54877	51.33	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.66%			
60) toluene-d8 (s)	11.648	98	200427	54.11	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.22%			
82) bromofluorobenzene (s)	14.343	95	88448	56.63	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 113.26%			
Target Compounds						Qvalue
7) vinyl chloride	4.726	62	4217	2.13	ppb	96
37) cis-1,2-dichloroethene	8.274	96	29697	19.76	ppb	97
39) chloroform	8.480	83	17226	6.69	ppb	98
51) trichloroethene	10.263	95	21572	15.09	ppb	84
54) bromodichloromethane	10.318	83	2222	1.18	ppb	85
62) toluene	11.724	92	2224m	0.76	ppb	

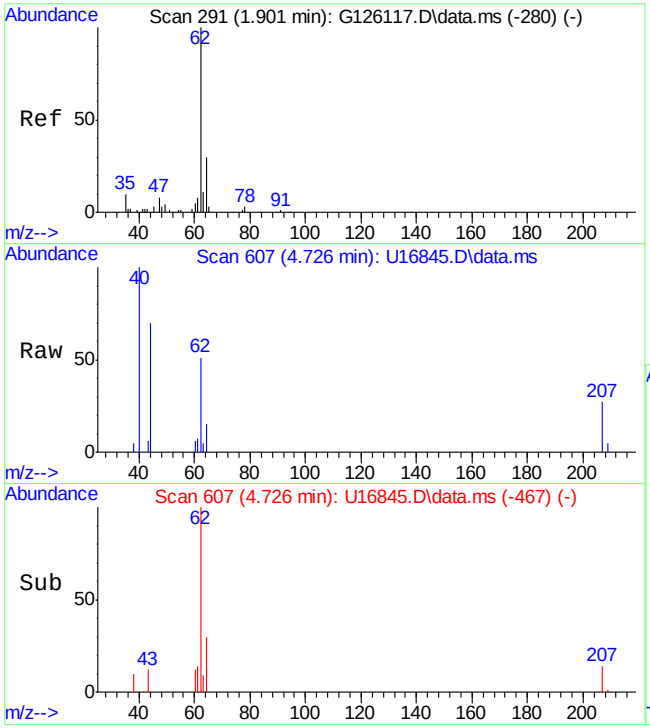
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16845.D
Acq On : 16 Dec 2013 8:00 pm
Operator : garyk
Sample : mc27081-2
Misc : ms30784,msu802,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 08:42:44 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

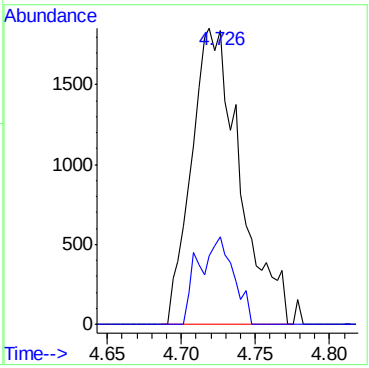


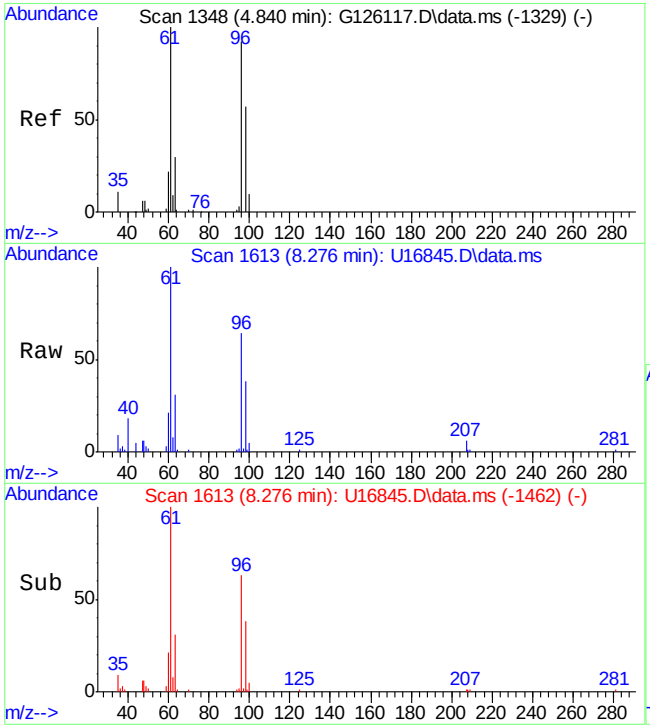


#7
vinyl chloride
Concen: 2.13 ppb
RT: 4.726 min Scan# 607
Delta R.T. -0.006 min
Lab File: U16845.D
Acq: 16 Dec 2013 8:00 pm

Tgt Ion: 62 Resp: 4217

Ion	Ratio	Lower	Upper
62	100		
64	29.7	1.8	61.8

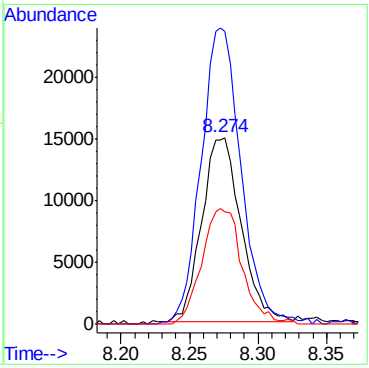


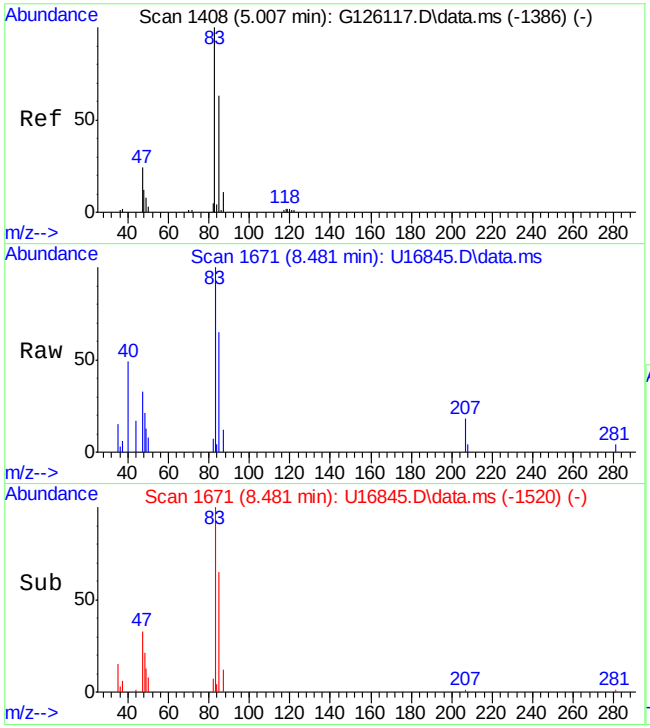


#37
cis-1,2-dichloroethene
Concen: 19.76 ppb
RT: 8.274 min Scan# 1613
Delta R.T. 0.001 min
Lab File: U16845.D
Acq: 16 Dec 2013 8:00 pm

Tgt Ion: 96 Resp: 29697

Ion	Ratio	Lower	Upper
96	100		
61	157.6	126.3	186.3
98	60.7	36.2	96.2

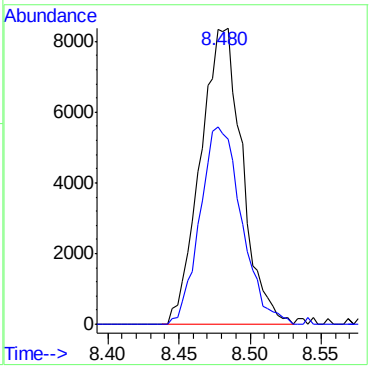


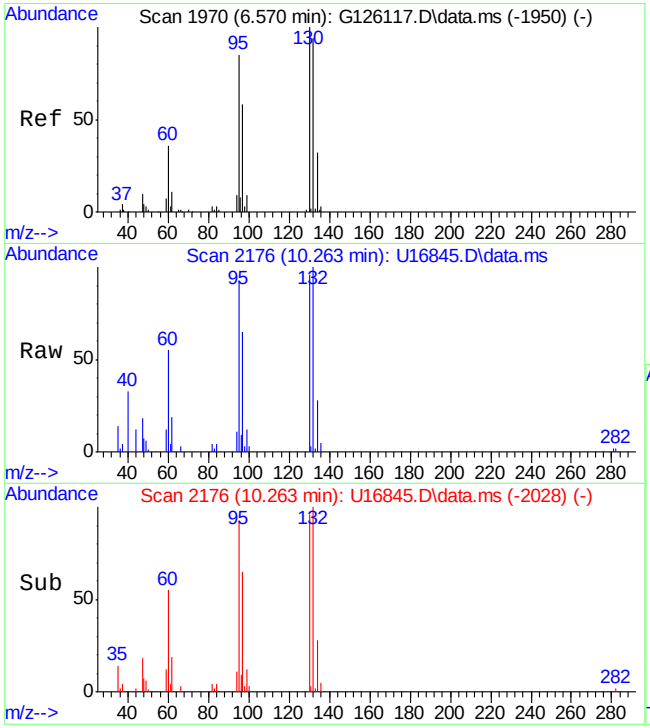


#39
chloroform
Concen: 6.69 ppb
RT: 8.480 min Scan# 1671
Delta R.T. 0.001 min
Lab File: U16845.D
Acq: 16 Dec 2013 8:00 pm

Tgt Ion: 83 Resp: 17226

Ion	Ratio	Lower	Upper
83	100		
85	65.3	36.9	96.9

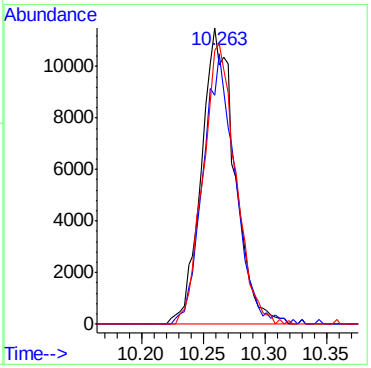


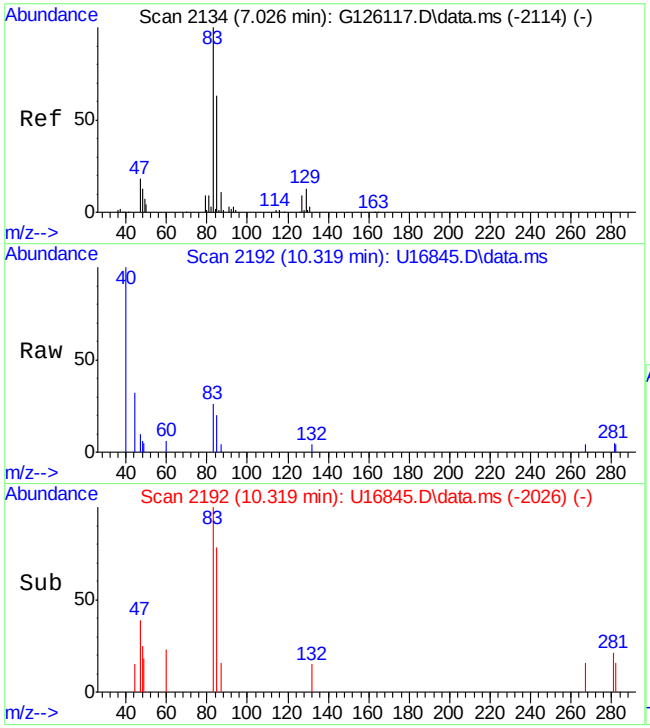


#51
trichloroethene
Concen: 15.09 ppb
RT: 10.263 min Scan# 2176
Delta R.T. 0.002 min
Lab File: U16845.D
Acq: 16 Dec 2013 8:00 pm

Tgt Ion: 95 Resp: 21572

Ion	Ratio	Lower	Upper
95	100		
130	104.2	58.8	118.8
132	108.1	62.5	122.5

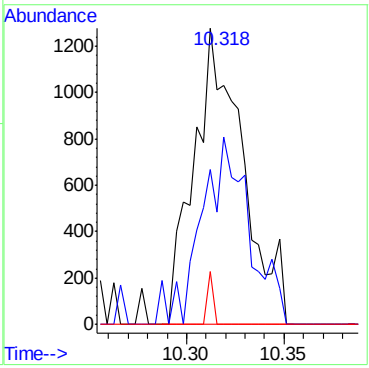


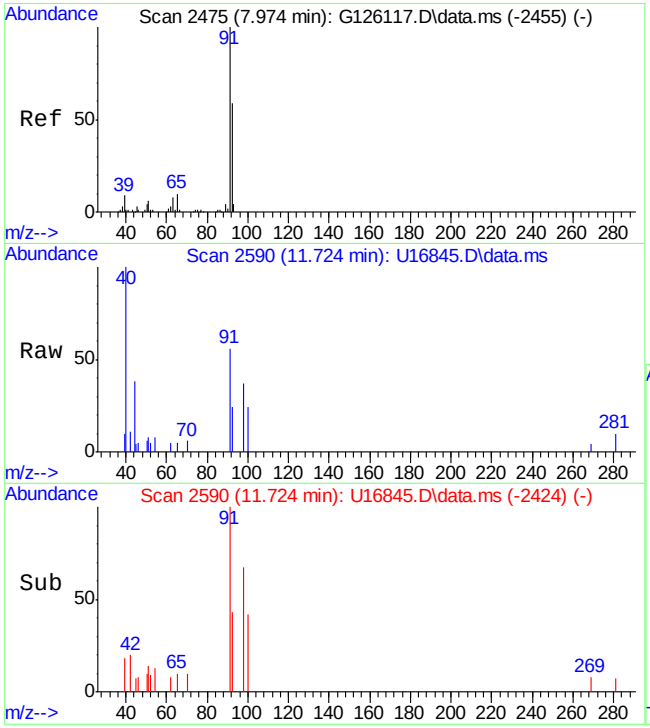


#54
bromodichloromethane
Concen: 1.18 ppb
RT: 10.318 min Scan# 2192
Delta R.T. 0.003 min
Lab File: U16845.D
Acq: 16 Dec 2013 8:00 pm

Tgt Ion: 83 Resp: 2222

Ion	Ratio	Lower	Upper
83	100		
85	78.1	36.9	96.9
127	0.0	0.0	38.5

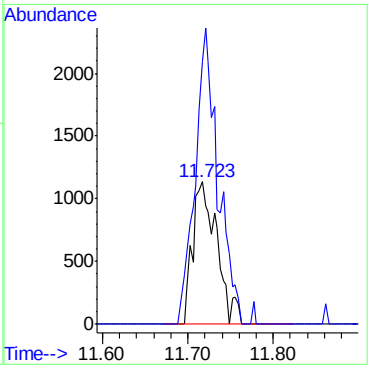




#62
toluene
Concen: 0.76 ppb m
RT: 11.724 min Scan# 2590
Delta R.T. 0.007 min
Lab File: U16845.D
Acq: 16 Dec 2013 8:00 pm

Tgt Ion: 92 Resp: 2224

Ion	Ratio	Lower	Upper
92	100		
91	233.7	139.2	199.2#



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U131216\
Data File : U16845.D
Acq On : 16 Dec 2013 8:00 pm
Operator : garyk
Sample : mc27081-2
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U131213W.m
Title : SW-846 Method 8260

Signal : TIC: U16845.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.512	1078	1113	1168	rBV2	32553	125000	19.05%	3.338%
2	8.273	1593	1612	1638	rBV2	76907	156472	23.85%	4.178%
3	8.601	1683	1705	1738	rVB3	92643	192691	29.37%	5.145%
4	8.964	1788	1808	1863	rBV3	173404	356588	54.35%	9.522%
5	9.836	2028	2055	2118	rVB	236279	454192	69.23%	12.128%
6	10.263	2138	2176	2213	rBV4	62987	132961	20.27%	3.550%
7	11.646	2533	2568	2618	rBV	298414	584534	89.10%	15.608%
8	13.111	2963	2983	3018	rBV	280133	540714	82.42%	14.438%
9	14.339	3283	3331	3368	rBV	238014	468977	71.48%	12.523%
10	15.676	3688	3710	3753	rBV2	345362	656061	100.00%	17.518%
11	16.580	3938	3966	3998	rBV5	17986	76795	11.71%	2.051%

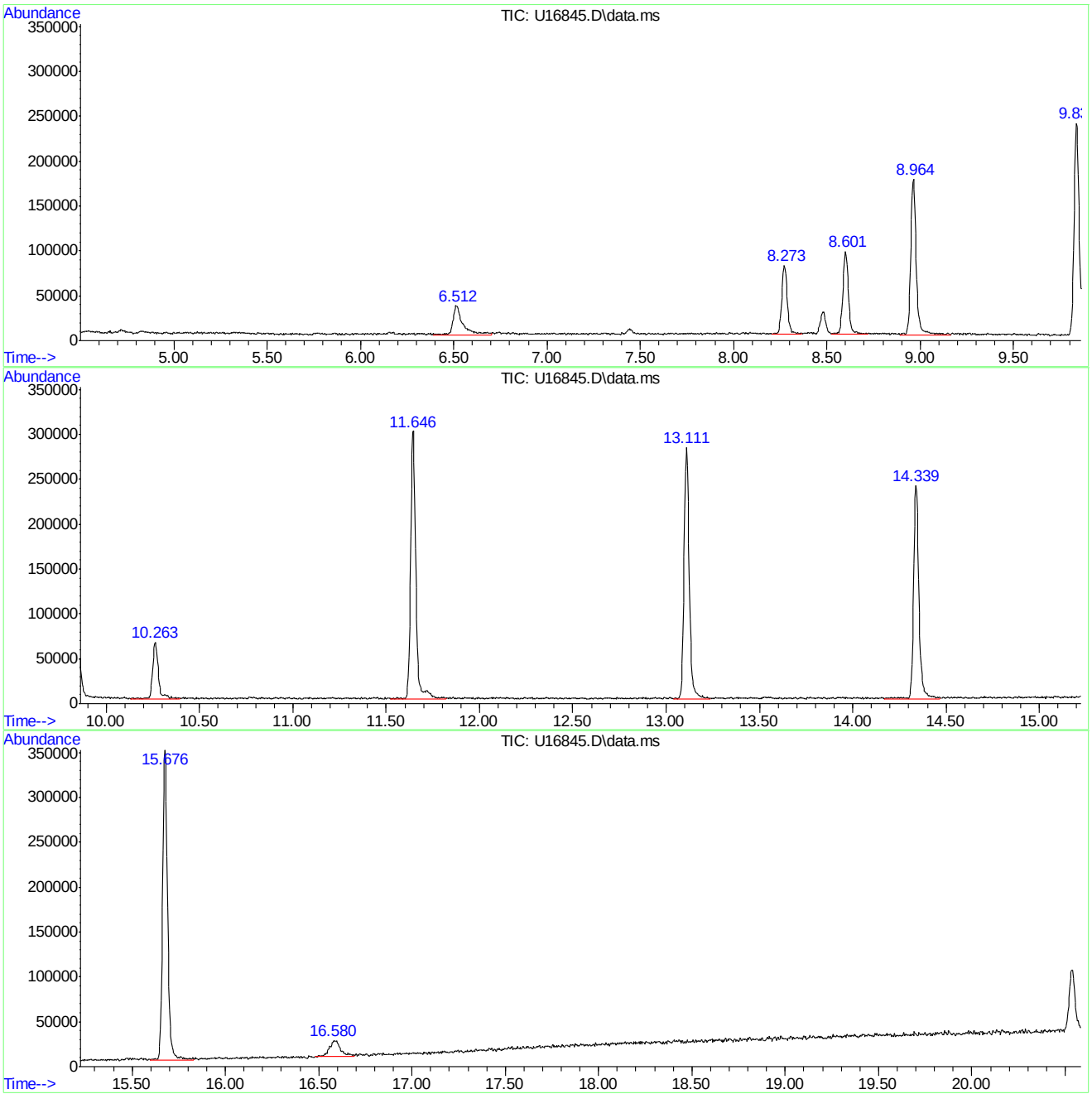
Sum of corrected areas: 3744985

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U131216\
Data File : U16845.D
Acq On : 16 Dec 2013 8:00 pm
Operator : garyk
Sample : mc27081-2
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U131216\
Data File : U16845.D
Acq On : 16 Dec 2013 8:00 pm
Operator : garyk
Sample : mc27081-2
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U131216\
Data File : U16845.D
Acq On : 16 Dec 2013 8:00 pm
Operator : garyk
Sample : mc27081-2
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/17/13 10:26

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16846.D
Acq On : 16 Dec 2013 8:27 pm
Operator : garyk
Sample : mc27081-3
Misc : ms30784,msu802,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 17 08:37:29 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

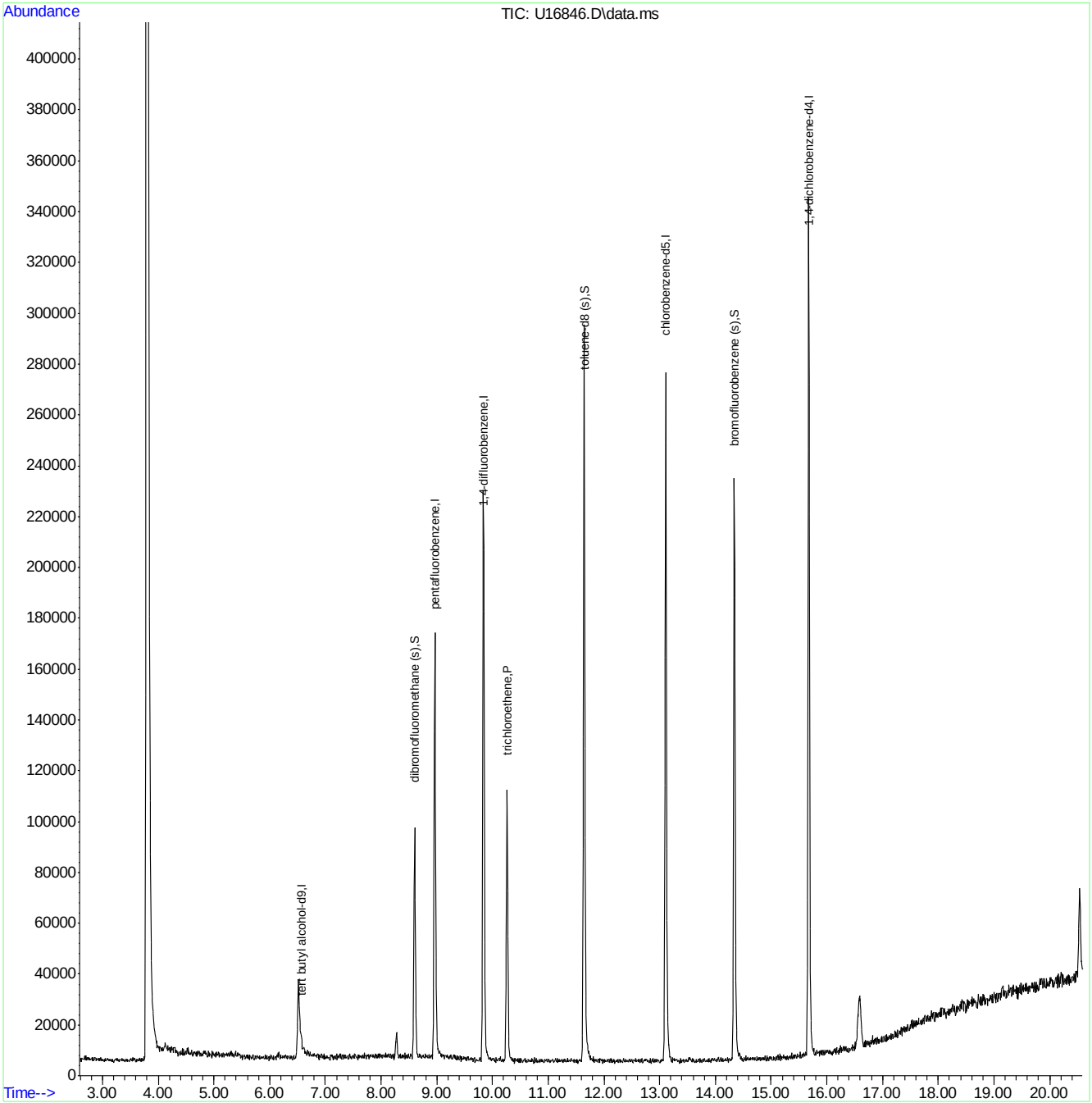
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.565	65	60640m	500.00	ppb	0.02
4) pentafluorobenzene	8.968	168	117606	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.841	114	175958	50.00	ppb	0.00
66) chlorobenzene-d5	13.112	82	88272	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.678	152	93665	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.602	113	55096	52.96	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.92%			
60) toluene-d8 (s)	11.648	98	200329	55.52	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.04%			
82) bromofluorobenzene (s)	14.343	95	84265	57.49	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 114.98%			
Target Compounds						Qvalue
51) trichloroethene	10.263	95	35608	25.58	ppb	88

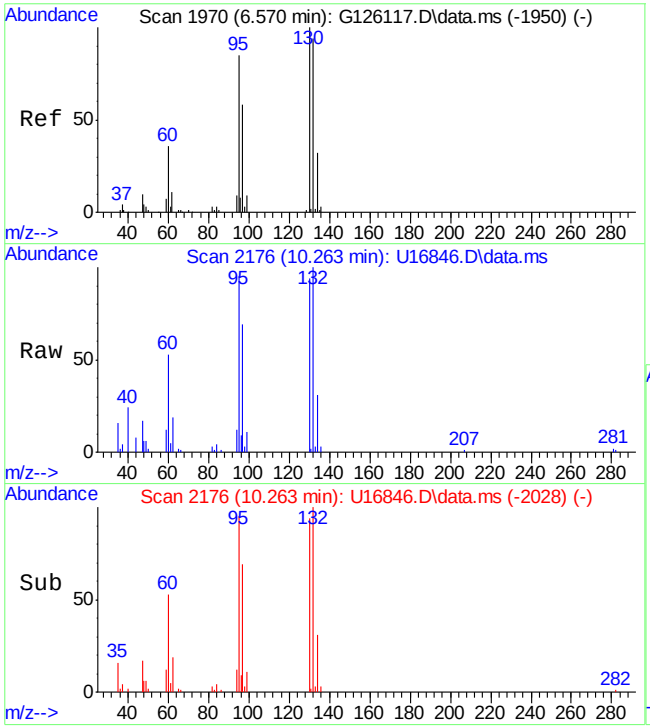
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16846.D
Acq On : 16 Dec 2013 8:27 pm
Operator : garyk
Sample : mc27081-3
Misc : ms30784,msu802,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 17 08:37:29 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

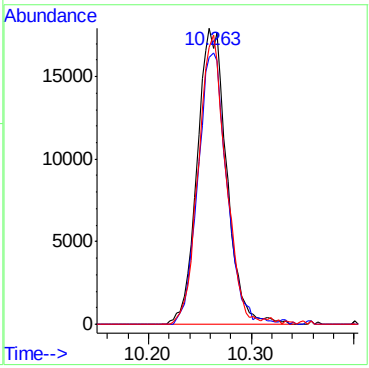




#51
trichloroethene
Concen: 25.58 ppb
RT: 10.263 min Scan# 2176
Delta R.T. 0.002 min
Lab File: U16846.D
Acq: 16 Dec 2013 8:27 pm

Tgt Ion: 95 Resp: 35608

Ion	Ratio	Lower	Upper
95	100		
130	98.5	58.8	118.8
132	104.8	62.5	122.5



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U131216\
Data File : U16846.D
Acq On : 16 Dec 2013 8:27 pm
Operator : garyk
Sample : mc27081-3
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U131213W.m
Title : SW-846 Method 8260

Signal : TIC: U16846.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.515	1083	1114	1178	rBV3	31459	123476	19.93%	3.431%
2	8.601	1678	1705	1723	rBV2	91072	185061	29.87%	5.142%
3	8.964	1783	1808	1898	rVB3	167832	356618	57.55%	9.909%
4	9.836	2013	2055	2088	rBV	225392	448320	72.35%	12.457%
5	10.259	2158	2175	2213	rVB2	107820	220536	35.59%	6.128%
6	11.643	2533	2567	2618	rBV	290643	577075	93.13%	16.034%
7	13.107	2953	2982	3048	rBV	271444	530140	85.56%	14.730%
8	14.339	3303	3331	3363	rBV2	228827	435535	70.29%	12.101%
9	15.676	3683	3710	3743	rVB	337593	619622	100.00%	17.216%
10	16.587	3908	3968	3998	rBV6	21540	102652	16.57%	2.852%

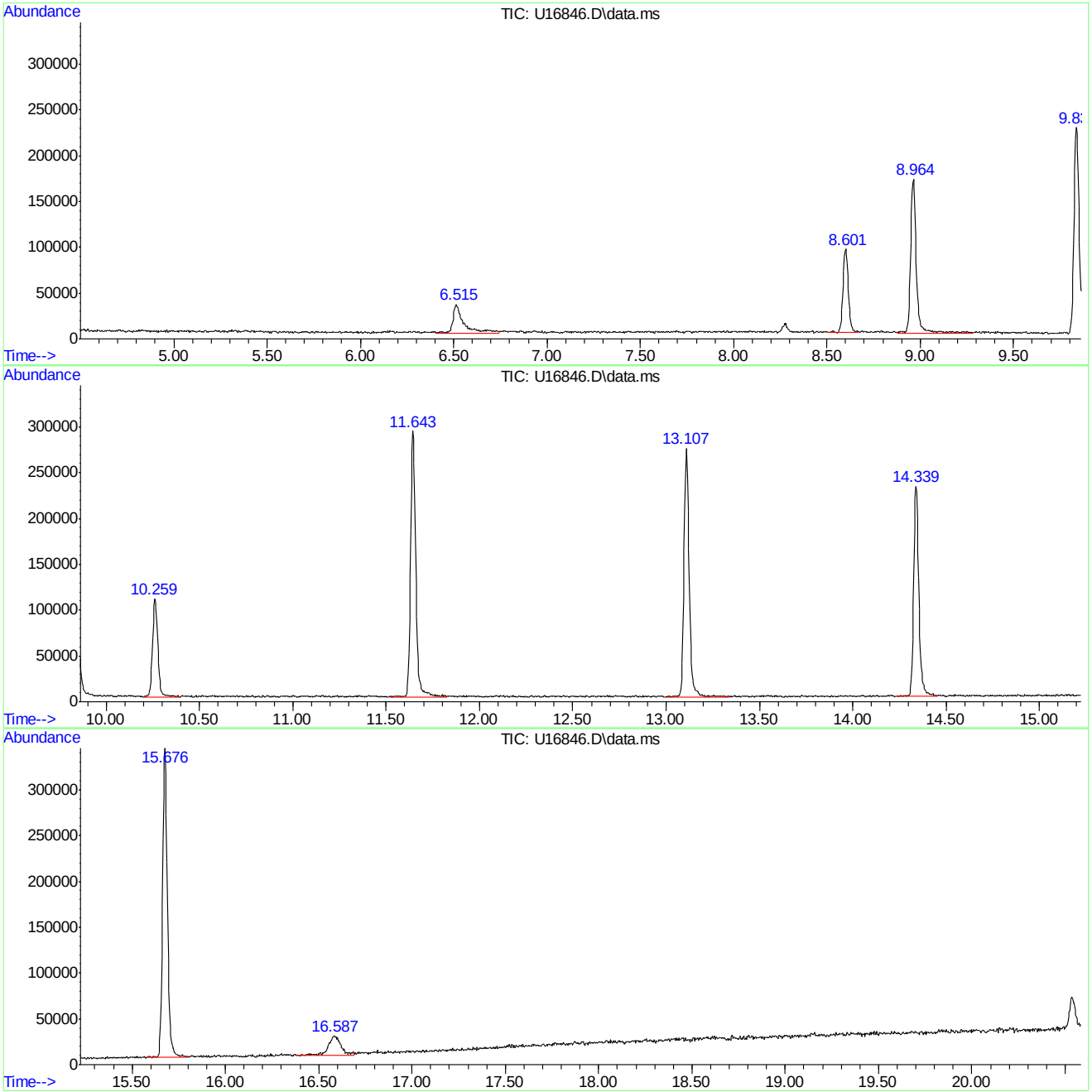
Sum of corrected areas: 3599035

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U131216\
Data File : U16846.D
Acq On : 16 Dec 2013 8:27 pm
Operator : garyk
Sample : mc27081-3
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U131216\
Data File : U16846.D
Acq On : 16 Dec 2013 8:27 pm
Operator : garyk
Sample : mc27081-3
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U131216\
Data File : U16846.D
Acq On : 16 Dec 2013 8:27 pm
Operator : garyk
Sample : mc27081-3
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/17/13 10:26

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16847.D
Acq On : 16 Dec 2013 8:54 pm
Operator : garyk
Sample : mc27081-4
Misc : ms30784,msu802,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 17 08:44:19 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.561	65	58671m	500.00	ppb		0.02
4) pentafluorobenzene	8.968	168	115017	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.842	114	173601	50.00	ppb		0.00
66) chlorobenzene-d5	13.112	82	87937	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.678	152	96677	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.602	113	54039	53.12	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.24%				
60) toluene-d8 (s)	11.647	98	191592	53.82	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.64%				
82) bromofluorobenzene (s)	14.342	95	83724	55.34	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.68%				
Target Compounds							Qvalue
9) chloroethane	5.379	64	10446	13.61	ppb		89
16) acetone	6.155	58	1348m	8.02	ppb		
18) methylene chloride	6.749	84	1447	1.16	ppb		95
33) 1,1-dichloroethane	7.701	63	3989	1.48	ppb		89
39) chloroform	8.480	83	7406	3.02	ppb		96
44) Cyclohexane	9.518	56	1163	0.44	ppb	#	79
47) benzene	9.640	78	2877	0.59	ppb		85
55) Methylcyclohexane	10.785	83	1169	0.58	ppb	#	73
62) toluene	11.720	92	3146	1.13	ppb	#	76

(#) = qualifier out of range (m) = manual integration (+) = signals summed

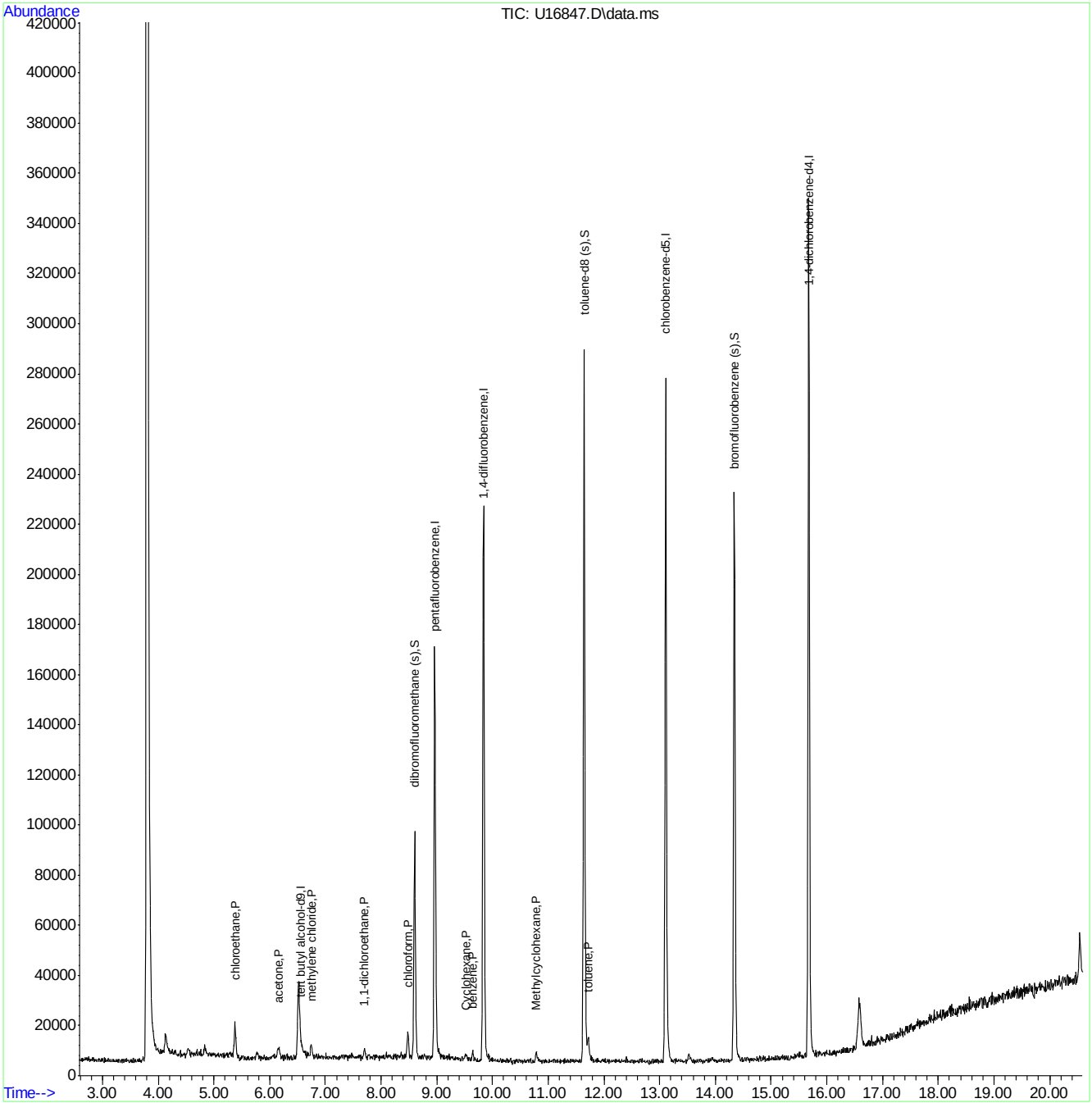
7.1.8

7

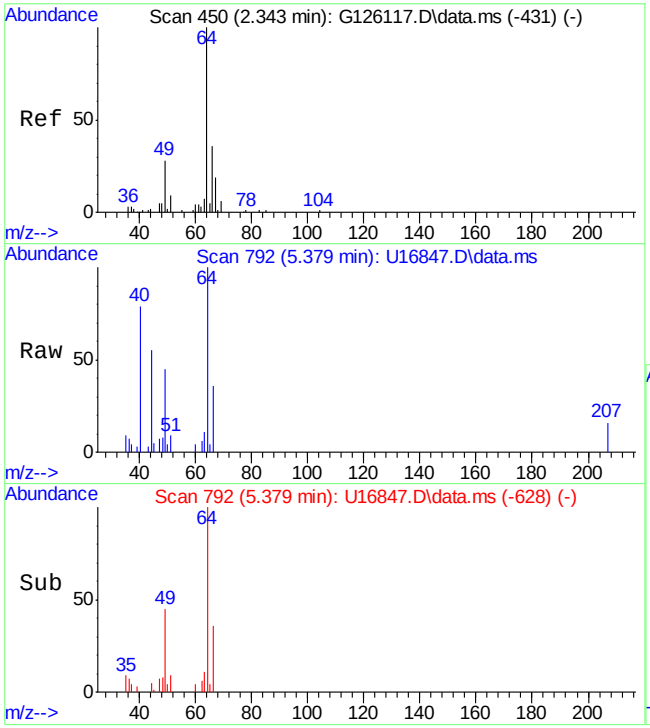
Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16847.D
Acq On : 16 Dec 2013 8:54 pm
Operator : garyk
Sample : mc27081-4
Misc : ms30784,msu802,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 17 08:44:19 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration



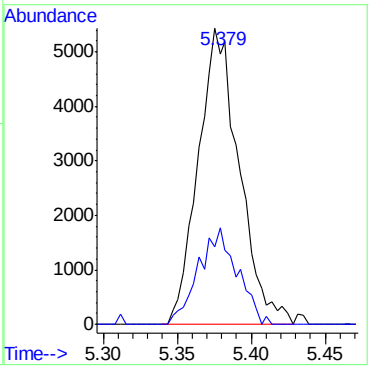
U131213W.m Tue Dec 17 09:19:26 2013 Page: 2

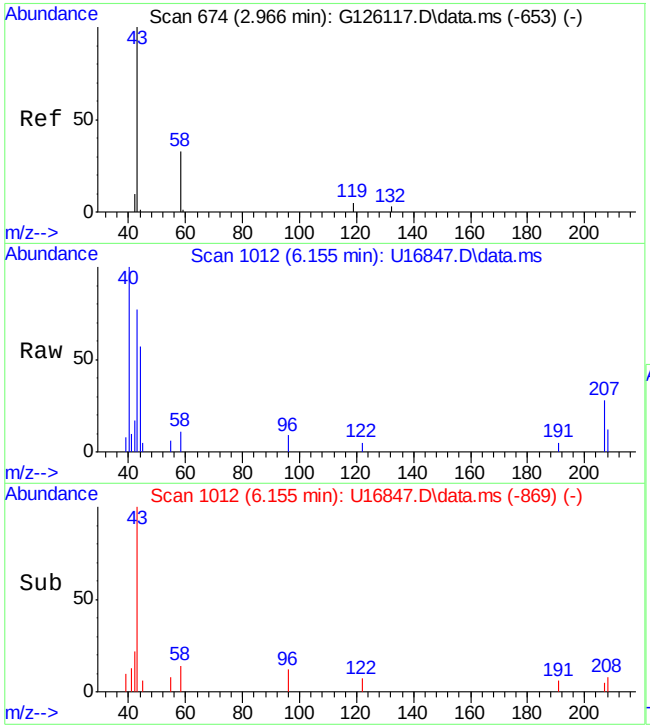


#9
chloroethane
Concen: 13.61 ppb
RT: 5.379 min Scan# 792
Delta R.T. -0.001 min
Lab File: U16847.D
Acq: 16 Dec 2013 8:54 pm

Tgt Ion: 64 Resp: 10446

Ion	Ratio	Lower	Upper
64	100		
66	35.8	0.1	60.1

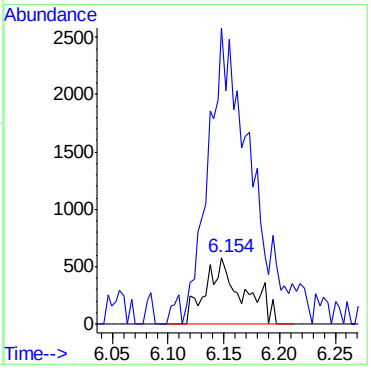


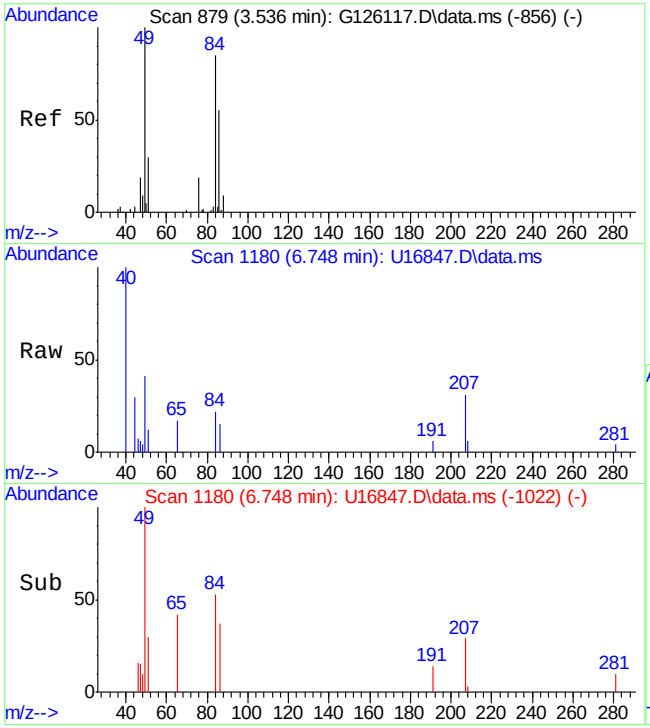


#16
acetone
Concen: 8.02 ppb m
RT: 6.155 min Scan# 1012
Delta R.T. 0.003 min
Lab File: U16847.D
Acq: 16 Dec 2013 8:54 pm

Tgt Ion: 58 Resp: 1348

Ion	Ratio	Lower	Upper
58	100		
43	710.0	278.8	338.8#

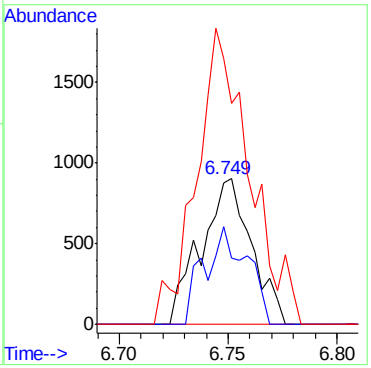


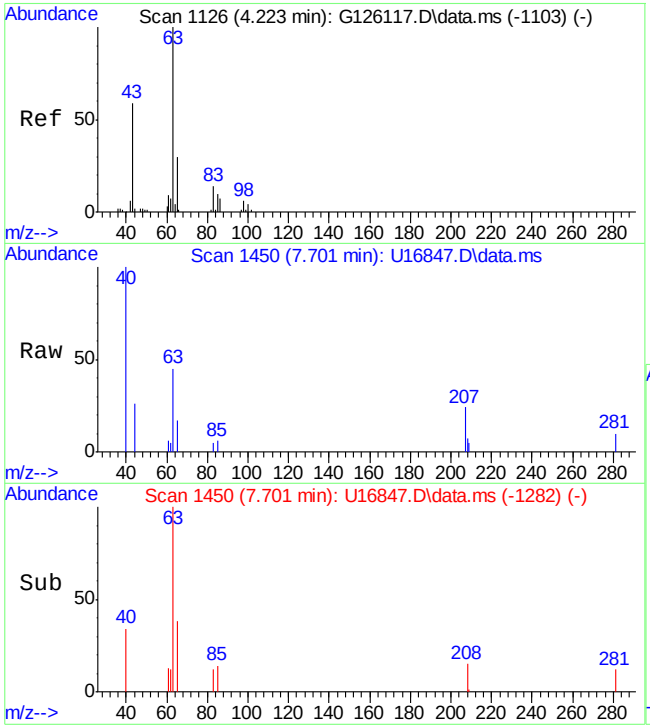


#18
methylene chloride
Concen: 1.16 ppb
RT: 6.749 min Scan# 1180
Delta R.T. -0.003 min
Lab File: U16847.D
Acq: 16 Dec 2013 8:54 pm

Tgt Ion: 84 Resp: 1447

Ion	Ratio	Lower	Upper
84	100		
86	69.1	36.8	96.8
49	164.8	143.4	203.4

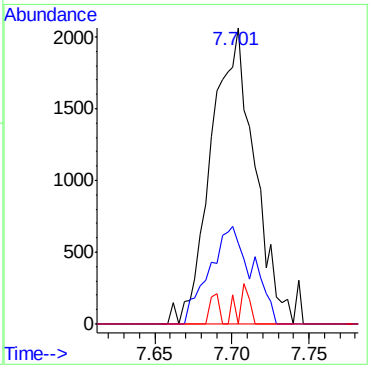


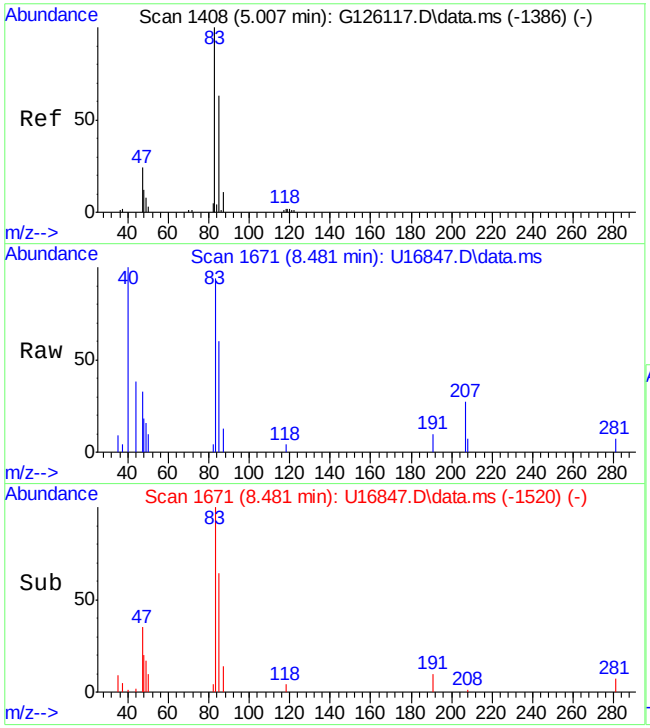


#33
1,1-dichloroethane
Concen: 1.48 ppb
RT: 7.701 min Scan# 1450
Delta R.T. 0.002 min
Lab File: U16847.D
Acq: 16 Dec 2013 8:54 pm

Tgt Ion: 63 Resp: 3989

Ion	Ratio	Lower	Upper
63	100		
65	38.0	0.0	59.7
83	11.6	0.0	41.8

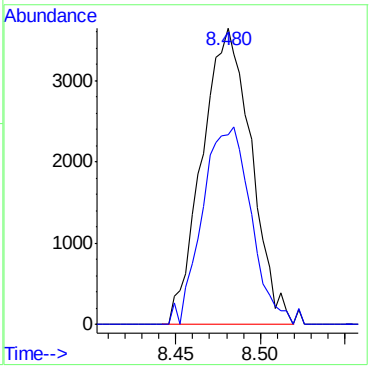


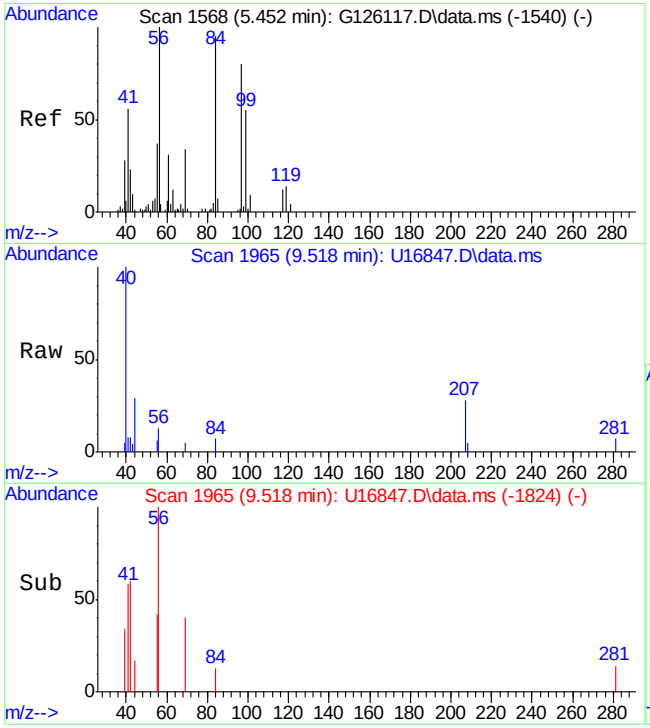


#39
chloroform
Concen: 3.02 ppb
RT: 8.480 min Scan# 1671
Delta R.T. 0.001 min
Lab File: U16847.D
Acq: 16 Dec 2013 8:54 pm

Tgt Ion: 83 Resp: 7406

Ion	Ratio	Lower	Upper
83	100		
85	64.0	36.9	96.9

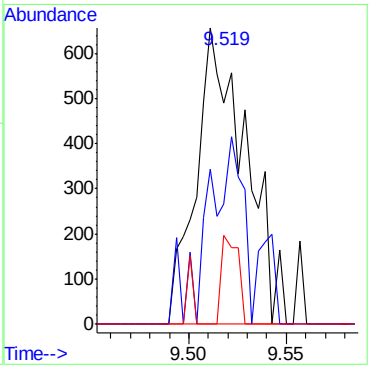


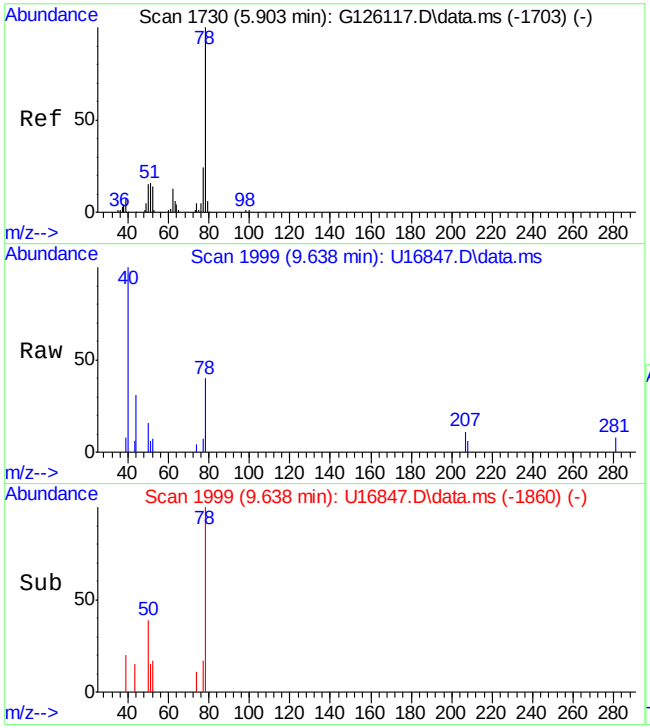


#44
Cyclohexane
Concen: 0.44 ppb
RT: 9.518 min Scan# 1965
Delta R.T. -0.002 min
Lab File: U16847.D
Acq: 16 Dec 2013 8:54 pm

Tgt Ion: 56 Resp: 1163

Ion	Ratio	Lower	Upper
56	100		
84	54.3	54.2	81.2
69	40.2	18.3	27.5#

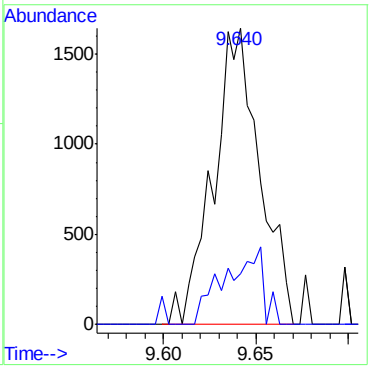


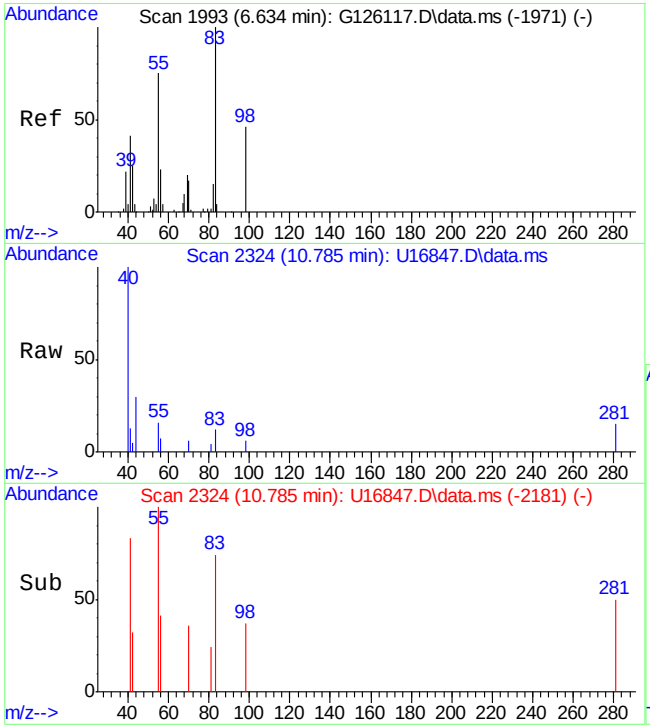


#47
benzene
Concen: 0.59 ppb
RT: 9.640 min Scan# 1999
Delta R.T. 0.004 min
Lab File: U16847.D
Acq: 16 Dec 2013 8:54 pm

Tgt Ion: 78 Resp: 2877

Ion	Ratio	Lower	Upper
78	100		
77	16.5	0.0	53.9

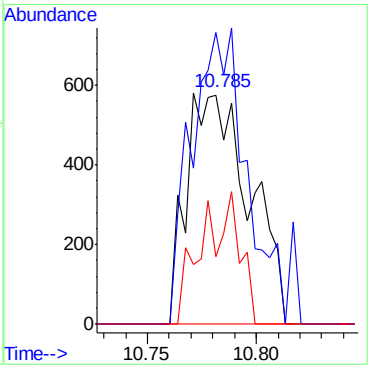


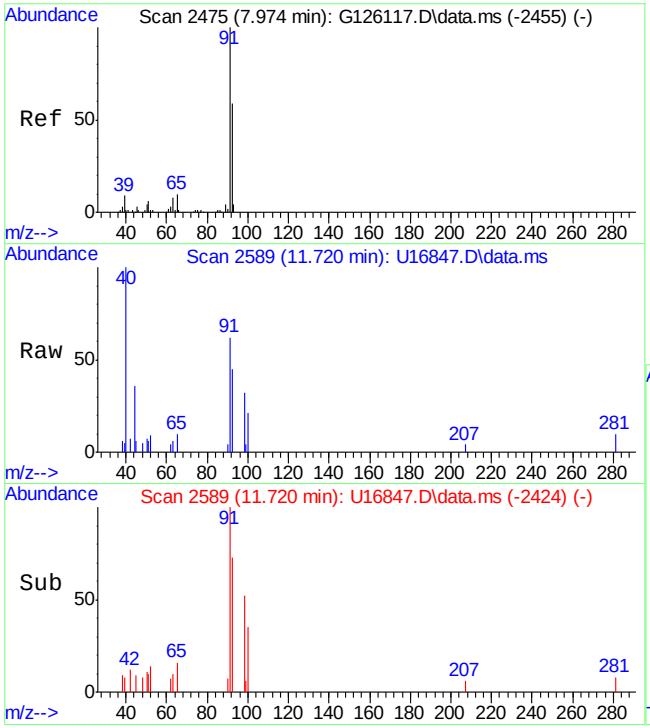


#55
Methylcyclohexane
Concen: 0.58 ppb
RT: 10.785 min Scan# 2324
Delta R.T. 0.003 min
Lab File: U16847.D
Acq: 16 Dec 2013 8:54 pm

Tgt Ion: 83 Resp: 1169

Ion	Ratio	Lower	Upper
83	100		
55	135.5	81.4	122.2#
98	49.8	34.2	51.2

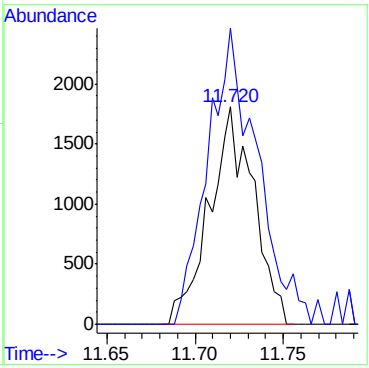




#62
toluene
Concen: 1.13 ppb
RT: 11.720 min Scan# 2589
Delta R.T. 0.003 min
Lab File: U16847.D
Acq: 16 Dec 2013 8:54 pm

Tgt Ion: 92 Resp: 3146

Ion	Ratio	Lower	Upper
92	100		
91	136.4	139.2	199.2#



7.1.8

7

LSC Area Percent Report

Data Path : D:\msdchem\1\data\U131216\
Data File : U16847.D
Acq On : 16 Dec 2013 8:54 pm
Operator : garyk
Sample : mc27081-4
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U131213W.m
Title : SW-846 Method 8260

Signal : TIC: U16847.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.522	1083	1116	1158	rBV2	31204	114048	17.93%	3.374%
2	8.601	1683	1705	1733	rVB3	90376	182070	28.63%	5.387%
3	8.961	1788	1807	1848	rBV	164277	331002	52.04%	9.793%
4	9.839	2023	2056	2088	rBV	221978	437508	68.79%	12.945%
5	11.643	2543	2567	2618	rBV	284559	560553	88.13%	16.585%
6	13.111	2953	2983	3023	rBV	273211	520986	81.91%	15.414%
7	14.339	3308	3331	3363	rBV2	227222	438484	68.94%	12.973%
8	15.676	3688	3710	3748	rBV	342859	636029	100.00%	18.818%
9	16.580	3933	3966	4008	rBV6	21858	107353	16.88%	3.176%
10	18.037	4343	4379	4413	rBV6	5777	51823	8.15%	1.533%

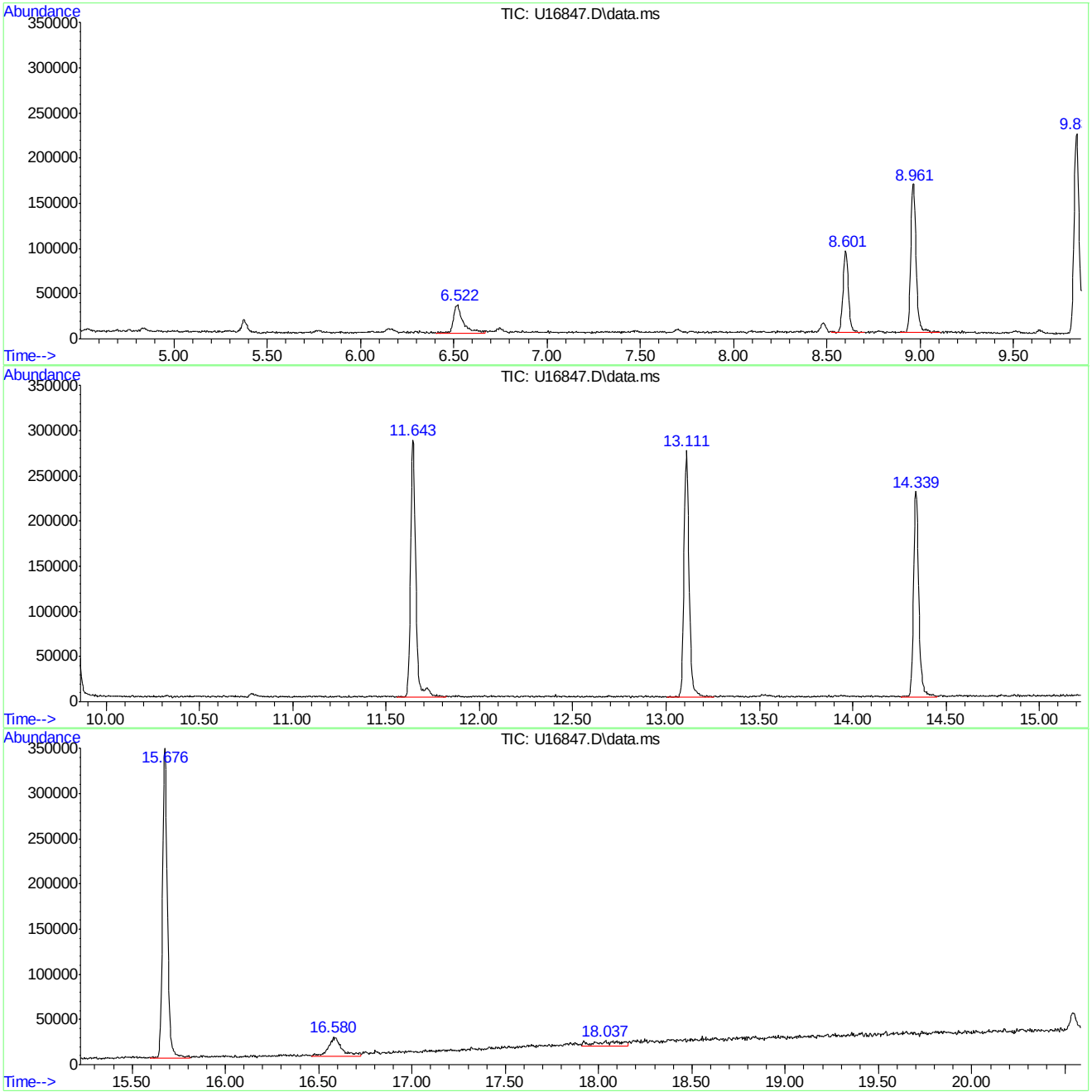
Sum of corrected areas: 3379856

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U131216\
Data File : U16847.D
Acq On : 16 Dec 2013 8:54 pm
Operator : garyk
Sample : mc27081-4
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U131216\
Data File : U16847.D
Acq On : 16 Dec 2013 8:54 pm
Operator : garyk
Sample : mc27081-4
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U131216\
Data File : U16847.D
Acq On : 16 Dec 2013 8:54 pm
Operator : garyk
Sample : mc27081-4
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

7.1.9

7

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16825.D
Acq On : 16 Dec 2013 10:54 am
Operator : garyk
Sample : mb
Misc : ms30784,msu802,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 16 11:34:26 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

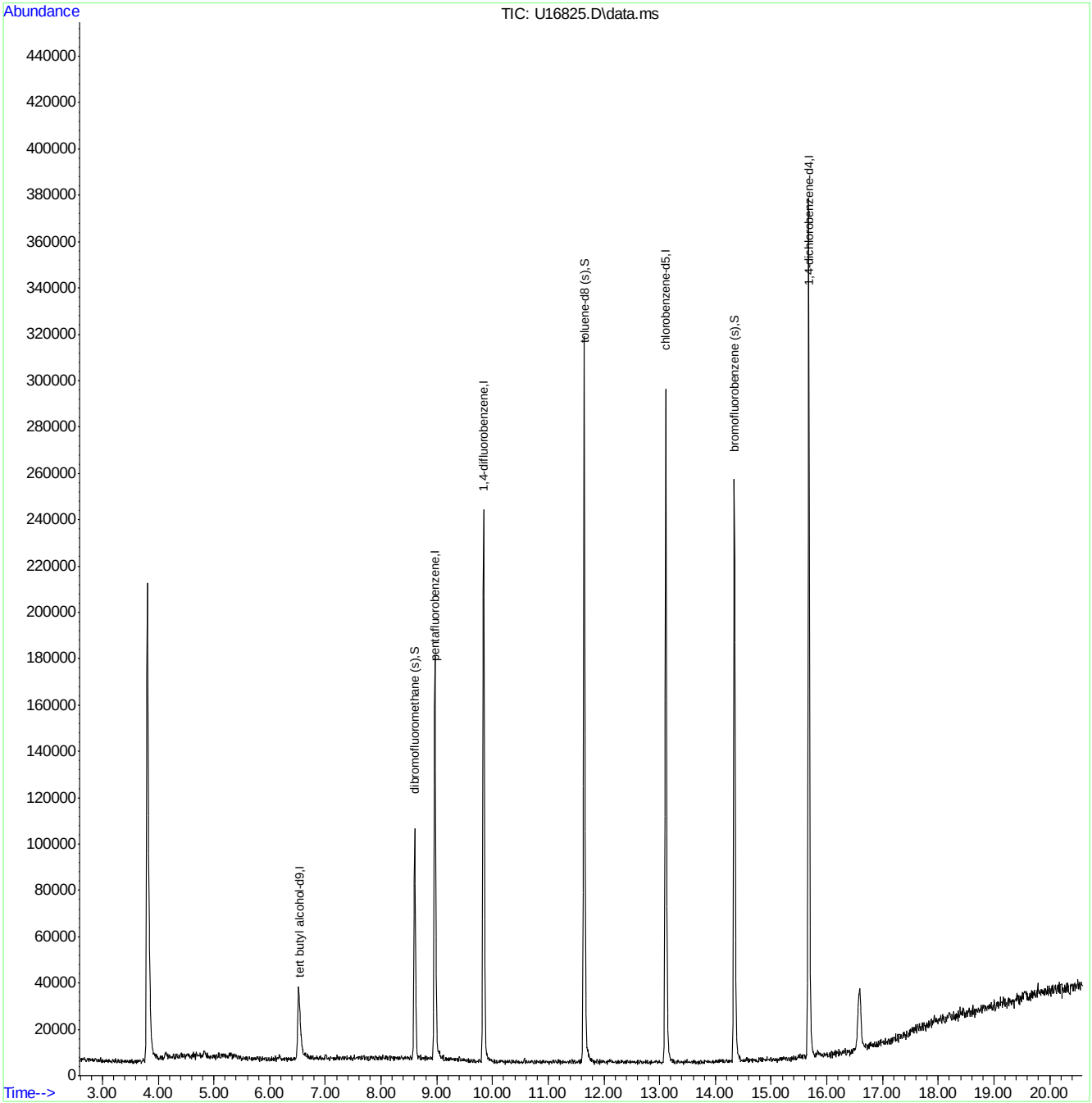
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.547	65	61156	500.00	ppb	0.00
4) pentafluorobenzene	8.969	168	123240	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.843	114	185310	50.00	ppb	0.00
66) chlorobenzene-d5	13.112	82	95475	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.679	152	102934	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.604	113	58329	53.51	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.02%			
60) toluene-d8 (s)	11.649	98	212426	55.90	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.80%			
82) bromofluorobenzene (s)	14.343	95	92371	57.34	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 114.68%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16825.D
Acq On : 16 Dec 2013 10:54 am
Operator : garyk
Sample : mb
Misc : ms30784,msu802,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 16 11:34:26 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U131216\
Data File : U16825.D
Acq On : 16 Dec 2013 10:54 am
Operator : garyk
Sample : mb
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U131213W.m
Title : SW-846 Method 8260

Signal : TIC: U16825.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.519	1093	1115	1168	rBV3	31789	121945	17.81%	3.384%
2	8.601	1688	1705	1733	rVB3	99886	197532	28.86%	5.482%
3	8.964	1783	1808	1843	rBV2	174221	351496	51.35%	9.755%
4	9.839	2033	2056	2108	rVB	238486	465306	67.98%	12.914%
5	11.646	2543	2568	2613	rBV2	313938	611569	89.34%	16.973%
6	13.107	2963	2982	3028	rVB	291146	560684	81.91%	15.561%
7	14.339	3303	3331	3363	rBV2	251776	477392	69.74%	13.249%
8	15.676	3683	3710	3758	rBV	371589	684510	100.00%	18.998%
9	16.590	3918	3969	3998	rBV5	27902	132701	19.39%	3.683%

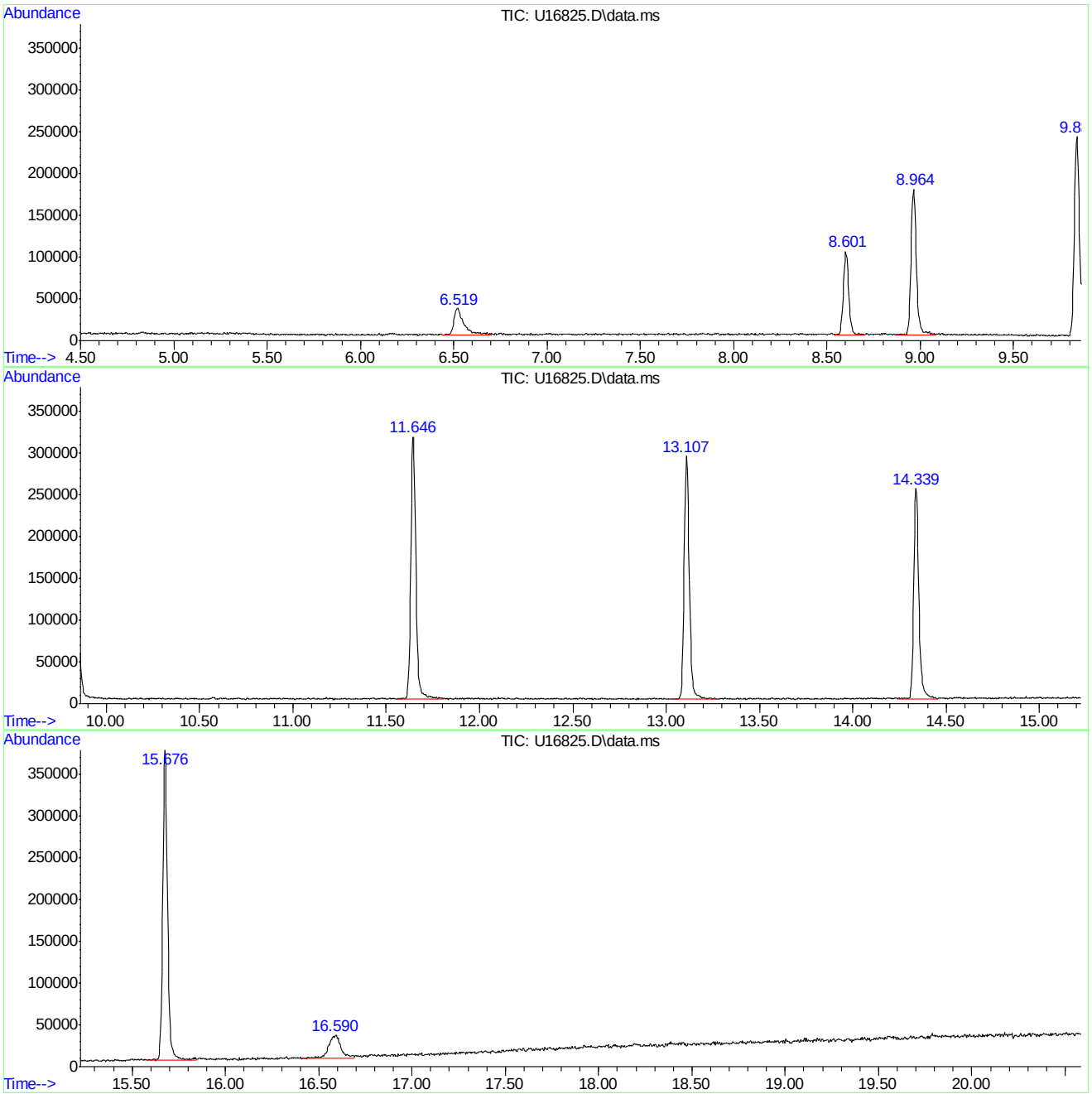
Sum of corrected areas: 3603135

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U131216\
Data File : U16825.D
Acq On : 16 Dec 2013 10:54 am
Operator : garyk
Sample : mb
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U131216\
Data File : U16825.D
Acq On : 16 Dec 2013 10:54 am
Operator : garyk
Sample : mb
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260

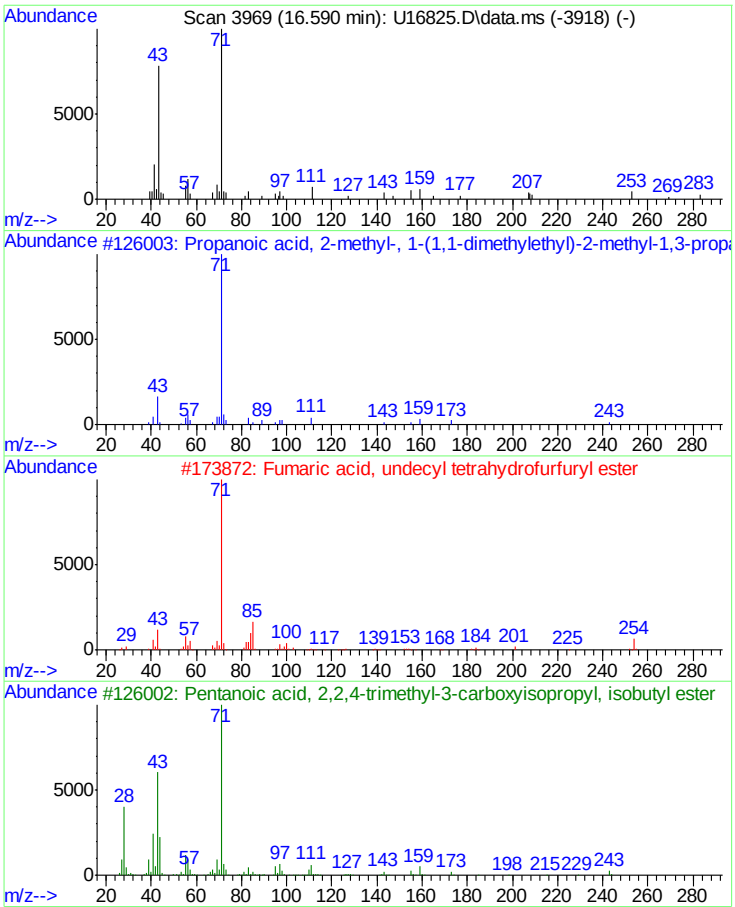
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

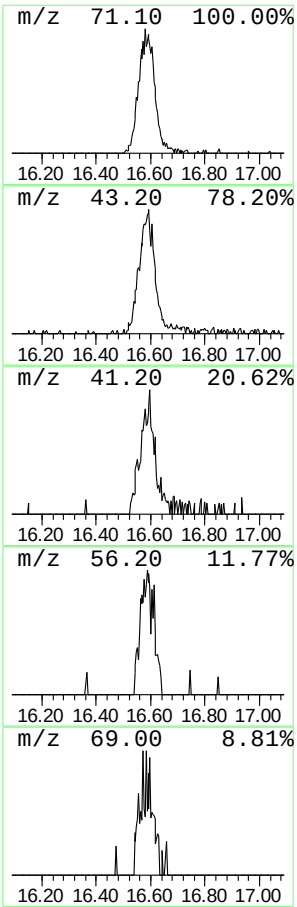
****

Peak Number 1 Propanoic acid, 2-methyl-, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.590	9.69 ppb	132701	1,4-dichlorobenzene-d4	15.679

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-(1,...	286	C16H30O4	074381-40-1	64
2	Fumaric acid, undecyl tetrahydro...	354	C20H34O5	1000330-58-5	50
3	Pentanoic acid, 2,2,4-trimethyl-...	286	C16H30O4	1000140-77-5	50
4	3-Cyclopentylpropionic acid, 2-t...	226	C13H22O3	1000293-46-9	42
5	Oxalic acid, neopentyl nonyl ester	286	C16H30O4	1000309-73-3	42





Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U131216\
Data File : U16825.D
Acq On : 16 Dec 2013 10:54 am
Operator : garyk
Sample : mb
Misc : ms30784tic,msu802,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propanoic acid,...	16.590	9.7	ppb	132701	5	15.679	684510	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : D:\msdchem\1\data\U131217\
Data File : U16882.D
Acq On : 17 Dec 2013 1:11 pm
Operator : garyk
Sample : mb
Misc : ms30784,msu804,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 17 15:55:39 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

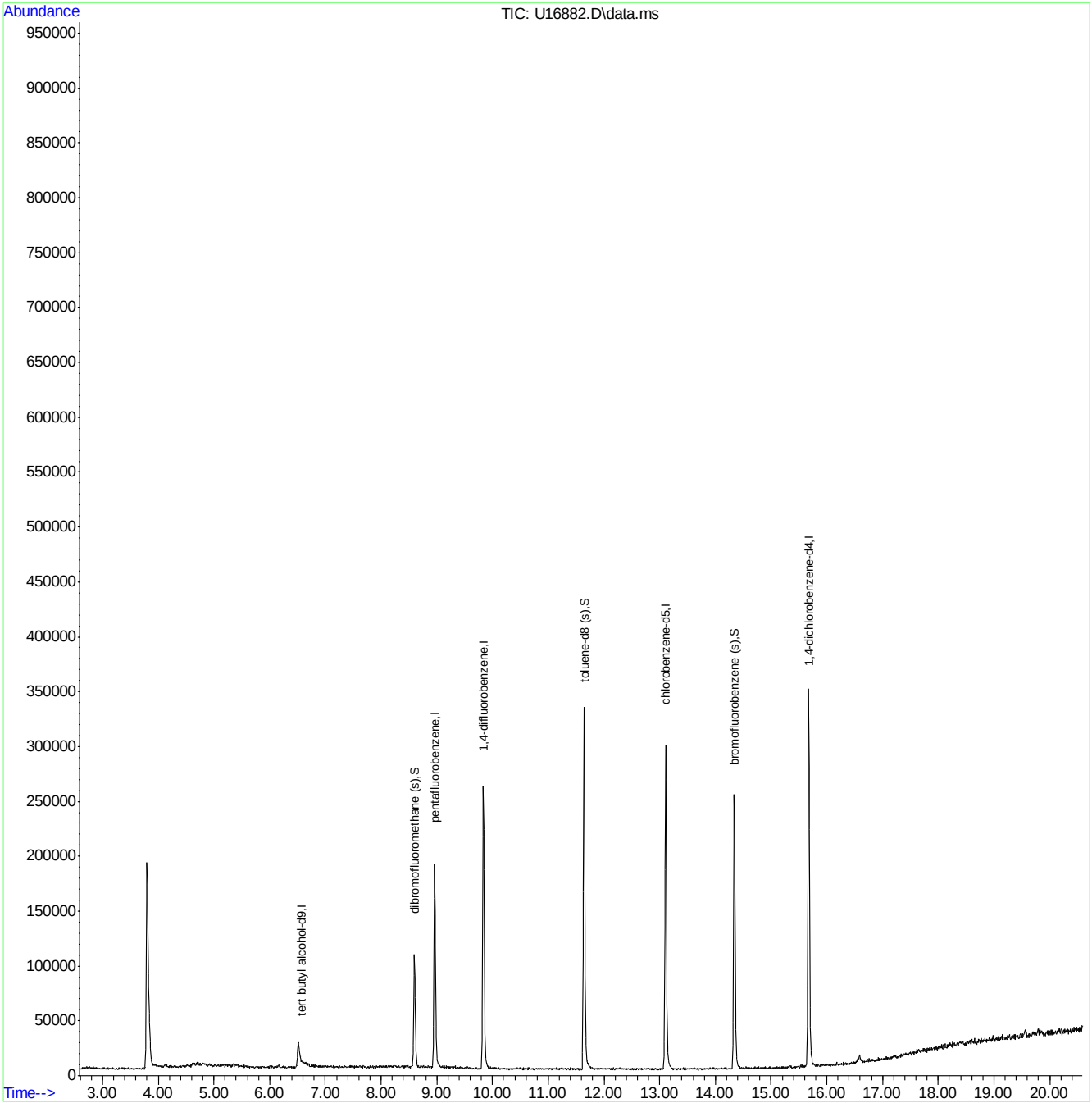
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.569	65	55213	500.00	ppb	0.03
4) pentafluorobenzene	8.965	168	131079	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.839	114	197286	50.00	ppb	0.00
66) chlorobenzene-d5	13.111	82	99867	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.678	152	101583	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.600	113	62852	54.21	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.42%			
60) toluene-d8 (s)	11.647	98	226747	56.05	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.10%			
82) bromofluorobenzene (s)	14.343	95	93427	58.77	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 117.54%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : D:\msdchem\1\data\U131217\
Data File : U16882.D
Acq On : 17 Dec 2013 1:11 pm
Operator : garyk
Sample : mb
Misc : ms30784,msu804,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 17 15:55:39 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/16/13 12:23

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16823.D
Acq On : 16 Dec 2013 10:00 am
Operator : garyk
Sample : bs
Misc : ms30755,msu802,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 16 10:53:47 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.542	65	64862	500.00	ppb		0.00
4) pentafluorobenzene	8.966	168	127930	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.841	114	199180	50.00	ppb		0.00
66) chlorobenzene-d5	13.109	82	101134	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.675	152	109735	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.601	113	58594	51.78	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.56%				
60) toluene-d8 (s)	11.646	98	223936	54.83	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.66%				
82) bromofluorobenzene (s)	14.338	95	94486	55.02	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.04%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.259	59	69915	509.25	ppb		98
3) Ethanol	5.503	45	124630	5532.36	ppb	#	39
5) dichlorodifluoromethane	4.250	85	71094	42.34	ppb		99
6) chloromethane	4.482	50	140416	53.45	ppb		95
7) vinyl chloride	4.733	62	86526	41.23	ppb		96
8) bromomethane	5.220	96	41032	48.85	ppb		94
9) chloroethane	5.380	64	43706	51.20	ppb		99
10) ethyl ether	6.259	59	69915	53.75	ppb		94
11) acetonitrile	5.922	41	29197	53.06	ppb		75
12) trichlorofluoromethane	6.044	101	100157	45.89	ppb		93
13) freon-113	6.800	101	61053	51.76	ppb		99
14) acrolein	6.008	56	9049	83.92	ppb		92
15) 1,1-dichloroethene	6.603	96	61975	56.19	ppb		88
16) acetone	6.151	58	11677m	62.48	ppb		
17) Methyl Acetate	6.790	43	96291	39.42	ppb	#	89
18) methylene chloride	6.754	84	70853	51.28	ppb	#	78
19) methyl tert butyl ether	7.555	73	189830	49.93	ppb		84
20) acrylonitrile	6.660	53	75567	100.57	ppb		90
21) allyl chloride	6.845	41	163071	53.37	ppb		90
22) trans-1,2-dichloroethene	7.445	96	67851	54.89	ppb		98
23) iodomethane	6.663	142	100570	54.06	ppb		91
24) carbon disulfide	7.033	76	212161	59.34	ppb		100
25) propionitrile	8.068	54	7830	56.42	ppb		100
26) vinyl acetate	7.803	43	186438	43.59	ppb		98
27) chloroprene	8.067	53	151692	54.29	ppb		90
28) di-isopropyl ether	8.114	45	340915	48.59	ppb		96
29) methacrylonitrile	8.227	41	65487	50.88	ppb		90
30) 2-butanone	8.121	72	9280	56.62	ppb	#	38
31) Ethyl Acetate	8.106	43	313482	51.88	ug/L		96
32) Hexane	8.093	41	161321	52.66	ppb		98
33) 1,1-dichloroethane	7.700	63	146123	48.68	ppb		97
34) tert-butyl ethyl ether	8.512	59	256773	49.97	ppb		97
35) isobutyl alcohol	8.530	43	57706m	257.47	ppb		
36) 2,2-dichloropropane	8.561	77	67508	50.10	ppb		94

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16823.D
Acq On : 16 Dec 2013 10:00 am
Operator : garyk
Sample : bs
Misc : ms30755,msu802,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 16 10:53:47 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	8.274	96	73687	51.71	ppb		95
38) bromochloromethane	8.441	128	34369	50.13	ppb	#	88
39) chloroform	8.480	83	124222	45.56	ppb		98
41) Tetrahydrofuran	8.818	42	30233	48.22	ppb		84
42) 1,1,1-trichloroethane	9.238	97	99713	46.79	ppb		95
44) Cyclohexane	9.526	56	152267	50.46	ppb		92
45) carbon tetrachloride	9.603	117	85024	50.81	ppb		98
46) 1,1-dichloropropene	9.411	75	92274	50.20	ppb		97
47) benzene	9.639	78	261310	46.64	ppb		97
48) 1,2-dichloroethane	9.137	62	108059	46.57	ppb		98
49) tert-amyl methyl ether	9.767	73	195975	50.11	ppb		92
50) heptane	9.762	43	98453	49.84	ppb		88
51) trichloroethene	10.262	95	75431	47.86	ppb		93
52) 1,2-dichloropropane	10.228	63	78441	46.18	ppb		99
53) dibromomethane	10.202	93	46049	49.51	ppb		93
54) bromodichloromethane	10.315	83	91076	44.04	ppb		96
55) Methylcyclohexane	10.784	83	117325	51.12	ppb		93
56) 2-chloroethyl vinyl ether	10.699	63	34010	52.40	ppb		97
57) methyl methacrylate	10.417	69	38438	45.95	ppb		83
58) 1,4-dioxane	10.435	88	2788	337.25	ppb		82
59) cis-1,3-dichloropropene	10.939	75	108002	48.72	ppb		99
61) 4-methyl-2-pentanone	11.044	43	94925	48.27	ppb		91
62) toluene	11.718	92	152504	47.55	ppb		94
63) trans-1,3-dichloropropene	11.361	75	96345	50.23	ppb		92
64) 1,1,2-trichloroethane	11.533	83	48428	44.25	ppb		97
65) ethyl methacrylate	11.742	69	76151	46.71	ppb		84
67) tetrachloroethene	12.462	166	66752	47.41	ppb		93
68) 1,3-dichloropropane	11.770	76	94588	49.27	ppb		95
69) dibromochloromethane	12.061	129	66631	51.28	ppb		99
70) 1,2-dibromoethane	12.313	107	61004	49.80	ppb		99
71) 2-hexanone	11.914	43	73588	55.65	ppb		95
72) chlorobenzene	13.144	112	167507	44.81	ppb		99
73) 1,1,1,2-tetrachloroethane	13.063	131	65532	50.33	ppb		96
74) ethylbenzene	13.320	91	298352	47.66	ppb		99
75) m,p-xylene	13.504	106	221339	94.26	ppb		97
76) o-xylene	13.918	106	114964	47.58	ppb		96
77) styrene	13.845	104	190252	49.17	ppb		96
78) bromoform	13.670	173	54979	51.49	ppb		99
79) trans-1,4-dichloro-2-b...	14.071	53	33373	59.17	ppb		88
81) isopropylbenzene	14.282	105	304811	47.30	ppb		98
83) bromobenzene	14.570	156	86174	48.54	ppb		89
84) 1,1,2,2-tetrachloroethane	13.922	83	74100	44.64	ppb		100
85) 1,2,3-trichloropropane	14.071	75	103839	51.99	ppb		98
86) n-propylbenzene	14.728	91	368069	45.44	ppb		99
87) 2-chlorotoluene	14.846	91	228568	46.42	ppb		100
88) 4-chlorotoluene	14.922	91	242559	47.50	ppb		96
89) 1,3,5-trimethylbenzene	15.006	105	274642	48.13	ppb		99
90) tert-butylbenzene	15.312	91	161837	46.46	ppb		99
91) 1,2,4-trimethylbenzene	15.415	105	276648	48.00	ppb		98
92) sec-butylbenzene	15.534	105	366906	48.22	ppb		98

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16823.D
Acq On : 16 Dec 2013 10:00 am
Operator : garyk
Sample : bs
Misc : ms30755,msu802,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 16 10:53:47 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

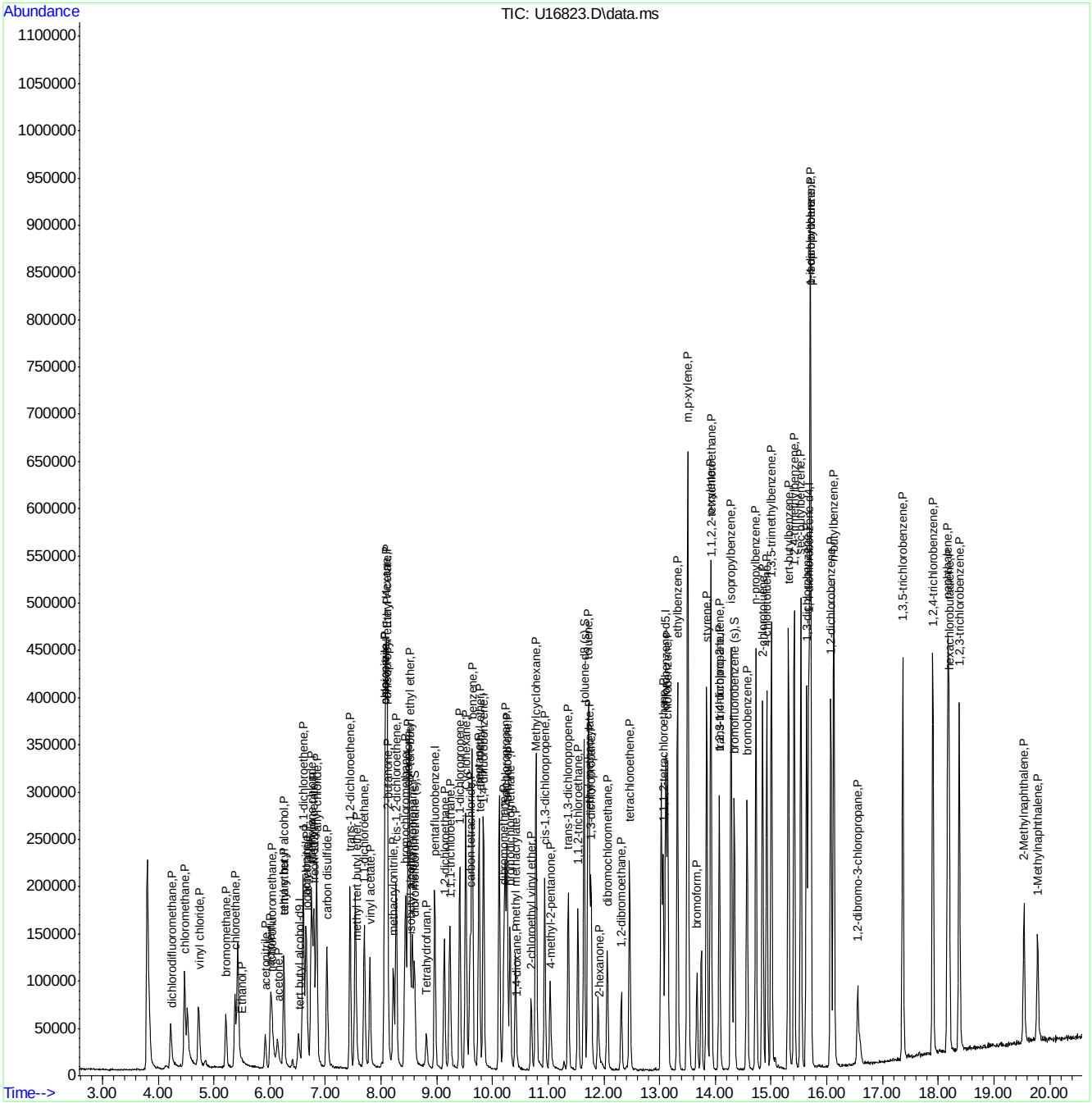
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.636	146	173591	46.25	ppb	98
94)	p-isopropyltoluene	15.707	119	299864	48.98	ppb	98
95)	1,4-dichlorobenzene	15.703	146	178630	47.51	ppb	99
96)	1,2-dichlorobenzene	16.072	146	174949	47.54	ppb	99
97)	n-butylbenzene	16.127	91	310278	48.87	ppb	99
98)	1,2-dibromo-3-chloropr...	16.556	75	20664	53.24	ppb	93
99)	1,3,5-trichlorobenzene	17.366	180	143149	50.08	ug/L	100
100)	1,2,4-trichlorobenzene	17.905	180	141835	52.71	ppb	97
101)	hexachlorobutadiene	18.194	225	70741	52.16	ppb	98
102)	naphthalene	18.172	128	315919	53.35	ppb	100
103)	2-Methylnaphthalene	19.542	142	86145	28.74	ug/L	98
104)	1-Methylnaphthalene	19.787	142	68508	29.51	ug/L	100
105)	1,2,3-trichlorobenzene	18.378	180	129622	52.53	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16823.D
Acq On : 16 Dec 2013 10:00 am
Operator : garyk
Sample : bs
Misc : ms30755,msu802,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 16 10:53:47 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/18/13 09:15

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131217\
Data File : U16880.D
Acq On : 17 Dec 2013 12:16 pm
Operator : garyk
Sample : bs
Misc : ms30797,msu804,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 12:49:15 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.551	65	65817	500.00	ppb		0.00
4) pentafluorobenzene	8.965	168	130199	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.839	114	202948	50.00	ppb		0.00
66) chlorobenzene-d5	13.107	82	102260	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.673	152	108116	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.600	113	63263	54.93	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.86%				
60) toluene-d8 (s)	11.644	98	229840	55.23	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.46%				
82) bromofluorobenzene (s)	14.337	95	96401	56.98	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 113.96%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.258	59	72514	520.51	ppb		93
3) Ethanol	5.472	45	104888	4700.82	ppb		99
5) dichlorodifluoromethane	4.248	85	73904	43.24	ppb		95
6) chloromethane	4.481	50	149889	56.06	ppb		96
7) vinyl chloride	4.731	62	95530	44.73	ppb		94
8) bromomethane	5.216	96	44537	52.09	ppb		99
9) chloroethane	5.379	64	46835	53.91	ppb		96
10) ethyl ether	6.258	59	72514	54.78	ppb		89
11) acetonitrile	5.921	41	30866	55.12	ppb		88
12) trichlorofluoromethane	6.042	101	110426	49.71	ppb		98
13) freon-113	6.799	101	68395	56.97	ppb		92
14) acrolein	6.010	56	3094	28.19	ppb		92
15) 1,1-dichloroethene	6.602	96	67264	60.19	ppb		86
16) acetone	6.144	58	13238m	69.59	ppb		
17) Methyl Acetate	6.789	43	98859	39.77	ppb		95
18) methylene chloride	6.752	84	73127	52.01	ppb	#	81
19) methyl tert butyl ether	7.544	73	194039	50.14	ppb		95
20) acrylonitrile	6.666	53	77944	101.93	ppb		95
21) allyl chloride	6.845	41	174761	56.19	ppb		91
22) trans-1,2-dichloroethene	7.446	96	74841	59.78	ppb		95
23) iodomethane	6.662	142	111268	58.77	ppb		99
24) carbon disulfide	7.031	76	231556	63.63	ppb		99
25) propionitrile	8.067	54	8687	61.51	ppb		100
26) vinyl acetate	7.803	43	210075	48.26	ppb		97
27) chloroprene	8.066	53	165910	58.34	ppb		89
28) di-isopropyl ether	8.112	45	365374	51.17	ppb		92
29) methacrylonitrile	8.231	41	68193	52.06	ppb		97
30) 2-butanone	8.115	72	10039	60.19	ppb	#	21
31) Ethyl Acetate	8.106	43	351792	57.20	ug/L		93
32) Hexane	8.092	41	175966	56.44	ppb		97
33) 1,1-dichloroethane	7.700	63	157568	51.58	ppb		98
34) tert-butyl ethyl ether	8.509	59	274797	52.55	ppb		99
35) isobutyl alcohol	8.526	43	57189	250.71	ppb		79
36) 2,2-dichloropropane	8.562	77	77634	56.61	ppb		97

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131217\
Data File : U16880.D
Acq On : 17 Dec 2013 12:16 pm
Operator : garyk
Sample : bs
Misc : ms30797,msu804,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 12:49:15 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	8.276	96	80718	55.96	ppb		93
38) bromochloromethane	8.441	128	37126	53.20	ppb	#	85
39) chloroform	8.480	83	135143	48.70	ppb		99
41) Tetrahydrofuran	8.819	42	31581	49.50	ppb		79
42) 1,1,1-trichloroethane	9.235	97	107027	49.34	ppb		93
44) Cyclohexane	9.521	56	168391	54.77	ppb		90
45) carbon tetrachloride	9.600	117	97216	57.02	ppb		99
46) 1,1-dichloropropene	9.411	75	102507	54.73	ppb		97
47) benzene	9.636	78	285930	50.08	ppb		98
48) 1,2-dichloroethane	9.142	62	121992	51.60	ppb		98
49) tert-amyl methyl ether	9.762	73	203188	50.99	ppb		91
50) heptane	9.760	43	101007	50.19	ppb		92
51) trichloroethene	10.261	95	81565	50.79	ppb		96
52) 1,2-dichloropropane	10.227	63	85718	49.53	ppb		99
53) dibromomethane	10.201	93	48363	51.03	ppb		96
54) bromodichloromethane	10.315	83	100811	47.84	ppb		94
55) Methylcyclohexane	10.781	83	128796	55.07	ppb		96
56) 2-chloroethyl vinyl ether	10.695	63	34756	52.55	ppb		99
57) methyl methacrylate	10.417	69	41694	48.92	ppb	#	71
58) 1,4-dioxane	10.435	88	2977	347.35	ppb	#	41
59) cis-1,3-dichloropropene	10.937	75	114397	50.64	ppb		96
61) 4-methyl-2-pentanone	11.043	43	101070	50.44	ppb		90
62) toluene	11.716	92	164026	50.19	ppb		98
63) trans-1,3-dichloropropene	11.359	75	102530	52.46	ppb		93
64) 1,1,2-trichloroethane	11.532	83	51597	46.27	ppb		96
65) ethyl methacrylate	11.741	69	82108	49.43	ppb		85
67) tetrachloroethene	12.460	166	72752	51.11	ppb		92
68) 1,3-dichloropropane	11.769	76	100789	51.92	ppb		95
69) dibromochloromethane	12.059	129	71505	54.42	ppb		98
70) 1,2-dibromoethane	12.311	107	63206	51.03	ppb		100
71) 2-hexanone	11.900	43	84472m	63.17	ppb		
72) chlorobenzene	13.142	112	183169	48.46	ppb		98
73) 1,1,1,2-tetrachloroethane	13.061	131	70644	53.66	ppb		95
74) ethylbenzene	13.319	91	323573	51.12	ppb		98
75) m,p-xylene	13.503	106	241731	101.81	ppb		99
76) o-xylene	13.916	106	122770	50.25	ppb		94
77) styrene	13.843	104	202643	51.79	ppb		98
78) bromoform	13.669	173	56161	52.02	ppb		95
79) trans-1,4-dichloro-2-b...	14.070	53	30706	53.84	ppb		95
81) isopropylbenzene	14.281	105	332514	52.37	ppb		99
83) bromobenzene	14.568	156	91448	52.28	ppb		89
84) 1,1,2,2-tetrachloroethane	13.921	83	87512	53.51	ppb		99
85) 1,2,3-trichloropropane	14.071	75	102809	52.24	ppb		99
86) n-propylbenzene	14.727	91	398705	49.95	ppb		99
87) 2-chlorotoluene	14.845	91	245765	50.66	ppb		98
88) 4-chlorotoluene	14.921	91	260718	51.82	ppb		100
89) 1,3,5-trimethylbenzene	15.004	105	295472	52.55	ppb		98
90) tert-butylbenzene	15.310	91	172539	50.27	ppb		95
91) 1,2,4-trimethylbenzene	15.414	105	298183	52.51	ppb		97
92) sec-butylbenzene	15.533	105	395593	52.77	ppb		97

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131217\
Data File : U16880.D
Acq On : 17 Dec 2013 12:16 pm
Operator : garyk
Sample : bs
Misc : ms30797,msu804,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 12:49:15 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

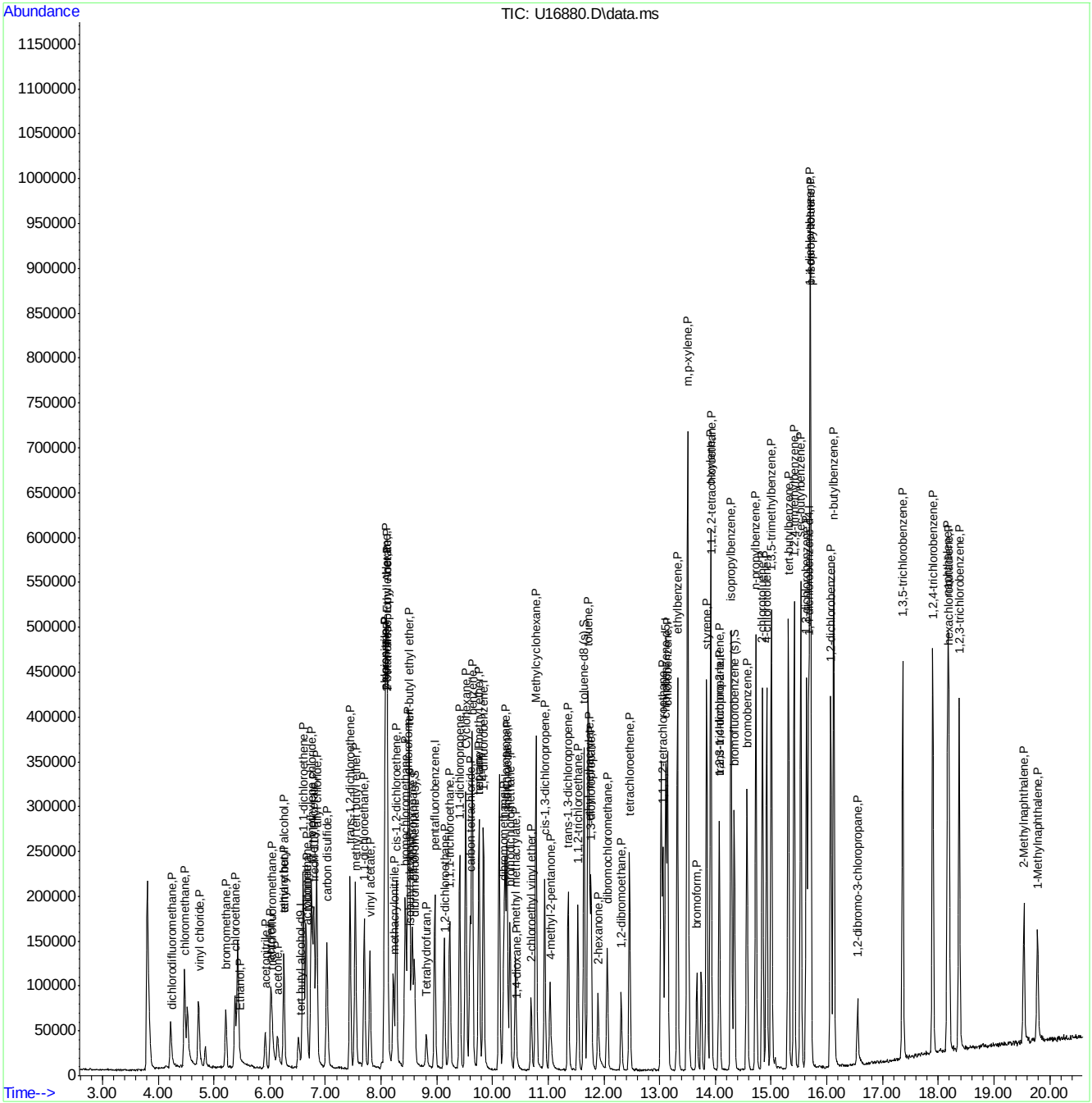
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.635	146	187293	50.64	ppb	97
94)	p-isopropyltoluene	15.706	119	323728	53.67	ppb	99
95)	1,4-dichlorobenzene	15.702	146	186405	50.32	ppb	98
96)	1,2-dichlorobenzene	16.071	146	183491	50.61	ppb	98
97)	n-butylbenzene	16.125	91	334102	53.41	ppb	98
98)	1,2-dibromo-3-chloropr...	16.554	75	19622	51.32	ppb	98
99)	1,3,5-trichlorobenzene	17.364	180	152371	54.10	ug/L	100
100)	1,2,4-trichlorobenzene	17.903	180	149553	56.41	ppb	99
101)	hexachlorobutadiene	18.192	225	78418	58.68	ppb	96
102)	naphthalene	18.170	128	331883	56.88	ppb	100
103)	2-Methylnaphthalene	19.539	142	88839	30.08	ug/L	99
104)	1-Methylnaphthalene	19.785	142	74027	32.37	ug/L	98
105)	1,2,3-trichlorobenzene	18.377	180	137702	56.64	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131217\
Data File : U16880.D
Acq On : 17 Dec 2013 12:16 pm
Operator : garyk
Sample : bs
Misc : ms30797,msu804,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 12:49:15 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/17/13 10:26

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16836.D
Acq On : 16 Dec 2013 3:53 pm
Operator : garyk
Sample : jb55056-6ms
Misc : ms30784,msu802,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 17 08:16:23 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.624	65	51298	500.00	ppb		0.08
4) pentafluorobenzene	8.965	168	134455	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.840	114	209177	50.00	ppb		0.00
66) chlorobenzene-d5	13.108	82	103292	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.674	152	105559	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.602	113	64633	54.35	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.70%				
60) toluene-d8 (s)	11.645	98	239584	55.86	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.72%				
82) bromofluorobenzene (s)	14.338	95	96854	58.63	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 117.26%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.258	59	73826	679.92	ppb		82
3) Ethanol	5.589	45	61042	3676.90	ppb	#	39
5) dichlorodifluoromethane	4.244	85	77155	43.72	ppb		98
6) chloromethane	4.476	50	152032	55.07	ppb		98
7) vinyl chloride	4.727	62	97021	43.99	ppb		95
8) bromomethane	5.213	96	43312	49.06	ppb		97
9) chloroethane	5.377	64	48061	53.57	ppb		94
10) ethyl ether	6.258	59	73826	54.00	ppb		100
11) acetonitrile	5.919	41	30723	53.13	ppb		81
12) trichlorofluoromethane	6.039	101	108037	47.10	ppb		95
13) freon-113	6.797	101	71901	57.99	ppb		97
14) acrolein	6.017	56	6450	56.91	ppb		92
15) 1,1-dichloroethene	6.601	96	71265	61.86	ppb		87
16) acetone	6.154	58	5543	28.22	ppb	#	50
17) Methyl Acetate	6.801	43	85701	33.38	ppb		96
18) methylene chloride	6.753	84	77524	53.39	ppb	#	81
19) methyl tert butyl ether	7.556	73	198738	49.73	ppb		97
20) acrylonitrile	6.708	53	74424	94.24	ppb		98
21) allyl chloride	6.845	41	166153	51.74	ppb		94
22) trans-1,2-dichloroethene	7.443	96	75254	58.12	ppb		95
23) iodomethane	6.660	142	113694	58.15	ppb		100
24) carbon disulfide	7.029	76	204040	54.30	ppb		99
25) propionitrile	8.067	54	8413	57.68	ppb		100
26) vinyl acetate	7.809	43	197565	43.95	ppb		98
27) chloroprene	8.066	53	150077	51.10	ppb		92
28) di-isopropyl ether	8.114	45	367465	49.83	ppb		95
29) methacrylonitrile	8.235	41	60655	44.84	ppb		91
30) 2-butanone	8.117	72	5266	30.57	ppb	#	1
31) Ethyl Acetate	8.105	43	322187	50.73	ug/L		99
32) Hexane	8.091	41	178310	55.38	ppb		93
33) 1,1-dichloroethane	7.698	63	166083	52.64	ppb		98
34) tert-butyl ethyl ether	8.515	59	279451	51.75	ppb		97
35) isobutyl alcohol	8.539	43	56989	241.93	ppb	#	1
36) 2,2-dichloropropane	8.562	77	80407	56.78	ppb		98

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16836.D
Acq On : 16 Dec 2013 3:53 pm
Operator : garyk
Sample : jb55056-6ms
Misc : ms30784,msu802,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 17 08:16:23 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.274	96	81893	54.91	ppb		96
38)	bromochloromethane	8.442	128	37253	51.70	ppb	#	71
39)	chloroform	8.479	83	133402	46.55	ppb		96
41)	Tetrahydrofuran	8.829	42	27309	41.45	ppb		88
42)	1,1,1-trichloroethane	9.236	97	111750	49.89	ppb		92
44)	Cyclohexane	9.521	56	172621	54.48	ppb		92
45)	carbon tetrachloride	9.602	117	95489	54.34	ppb		97
46)	1,1-dichloropropene	9.412	75	105334	54.57	ppb		97
47)	benzene	9.638	78	289745	49.24	ppb		97
48)	1,2-dichloroethane	9.136	62	110437	45.32	ppb		99
49)	tert-amyl methyl ether	9.768	73	205694	50.08	ppb		91
50)	heptane	9.767	43	103718	50.00	ppb		97
51)	trichloroethene	10.263	95	82880	50.08	ppb		96
52)	1,2-dichloropropane	10.229	63	86246	48.35	ppb		99
53)	dibromomethane	10.203	93	47536	48.66	ppb		98
54)	bromodichloromethane	10.316	83	96168	44.28	ppb		99
55)	Methylcyclohexane	10.782	83	133041	55.19	ppb		97
56)	2-chloroethyl vinyl ether	10.778	63	1163	1.71	ppb	#	1
57)	methyl methacrylate	10.420	69	39229	44.65	ppb	#	73
58)	1,4-dioxane	10.429	88	837m	186.86	ppb		
59)	cis-1,3-dichloropropene	10.940	75	113642	48.81	ppb		97
61)	4-methyl-2-pentanone	11.051	43	97538	47.23	ppb		93
62)	toluene	11.718	92	166401	49.40	ppb		91
63)	trans-1,3-dichloropropene	11.361	75	98661	48.98	ppb		92
64)	1,1,2-trichloroethane	11.535	83	52143	45.37	ppb		91
65)	ethyl methacrylate	11.744	69	77441	45.24	ppb	#	70
67)	tetrachloroethene	12.461	166	74830	52.04	ppb		90
68)	1,3-dichloropropane	11.771	76	99410	50.70	ppb		93
69)	dibromochloromethane	12.061	129	68627	51.71	ppb		96
70)	1,2-dibromoethane	12.314	107	64142	51.26	ppb		99
71)	2-hexanone	11.924	43	68174	50.48	ppb		96
72)	chlorobenzene	13.143	112	184874	48.43	ppb		100
73)	1,1,1,2-tetrachloroethane	13.063	131	69131	51.99	ppb		97
74)	ethylbenzene	13.320	91	327822	51.27	ppb		97
75)	m,p-xylene	13.504	106	242210	100.99	ppb		97
76)	o-xylene	13.918	106	121834	49.36	ppb		90
77)	styrene	13.845	104	152825	38.67	ppb		98
78)	bromoform	13.671	173	51392	47.12	ppb		100
79)	trans-1,4-dichloro-2-b...	14.072	53	33671	58.45	ppb		90
81)	isopropylbenzene	14.282	105	322029	51.95	ppb		99
83)	bromobenzene	14.569	156	91102	53.34	ppb		91
84)	1,1,2,2-tetrachloroethane	13.923	83	84367	52.84	ppb		92
85)	1,2,3-trichloropropane	14.072	75	105976	55.16	ppb		99
86)	n-propylbenzene	14.728	91	386859	49.64	ppb		99
87)	2-chlorotoluene	14.846	91	235621	49.74	ppb		99
88)	4-chlorotoluene	14.922	91	252327	51.36	ppb		97
89)	1,3,5-trimethylbenzene	15.005	105	267034	48.64	ppb		96
90)	tert-butylbenzene	15.311	91	163267	48.72	ppb		98
91)	1,2,4-trimethylbenzene	15.415	105	242700	43.78	ppb		100
92)	sec-butylbenzene	15.534	105	364306	49.78	ppb		95

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16836.D
Acq On : 16 Dec 2013 3:53 pm
Operator : garyk
Sample : jb55056-6ms
Misc : ms30784,msu802,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 17 08:16:23 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

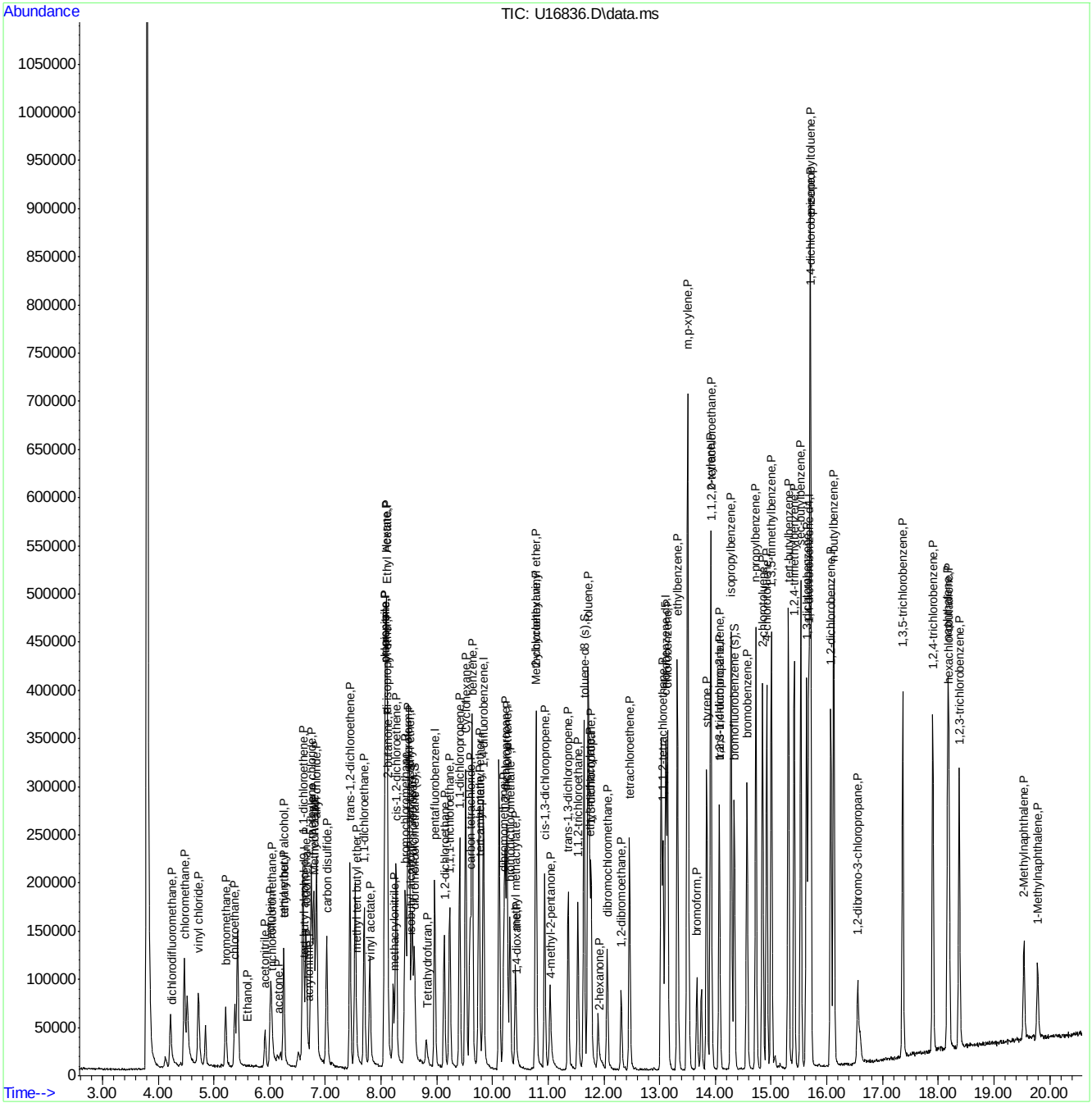
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.636	146	174138	48.23	ppb	97
94) p-isopropyltoluene	15.707	119	294454	50.00	ppb	98
95) 1,4-dichlorobenzene	15.703	146	176527	48.81	ppb	97
96) 1,2-dichlorobenzene	16.072	146	167516	47.32	ppb	95
97) n-butylbenzene	16.126	91	301722	49.40	ppb	97
98) 1,2-dibromo-3-chloropr...	16.555	75	17612	47.18	ppb	92
99) 1,3,5-trichlorobenzene	17.365	180	126831	46.13	ug/L	99
100) 1,2,4-trichlorobenzene	17.904	180	117916	45.55	ppb	97
101) hexachlorobutadiene	18.193	225	62949	48.25	ppb	97
102) naphthalene	18.171	128	266512	46.78	ppb	100
103) 2-Methylnaphthalene	19.541	142	63175	21.91	ug/L	96
104) 1-Methylnaphthalene	19.787	142	46475	20.81	ug/L	96
105) 1,2,3-trichlorobenzene	18.378	180	104857	44.18	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16836.D
Acq On : 16 Dec 2013 3:53 pm
Operator : garyk
Sample : jb55056-6ms
Misc : ms30784,msu802,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 17 08:16:23 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16837.D
Acq On : 16 Dec 2013 4:20 pm
Operator : garyk
Sample : jb55056-6msd
Misc : ms30784,msu802,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 08:16:39 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.531	65	67643	500.00	ppb		-0.01
4) pentafluorobenzene	8.966	168	137387	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.841	114	209936	50.00	ppb		0.00
66) chlorobenzene-d5	13.108	82	106761	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.674	152	115693	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.601	113	66234	54.50	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.00%				
60) toluene-d8 (s)	11.645	98	243786	56.63	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 113.26%				
82) bromofluorobenzene (s)	14.338	95	103066	56.93	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 113.86%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.258	59	73871	515.94	ppb		92
3) Ethanol	5.493	45	137828	5826.88	ppb	#	39
5) dichlorodifluoromethane	4.250	85	74148	41.11	ppb		95
6) chloromethane	4.481	50	140547	49.82	ppb		99
7) vinyl chloride	4.733	62	90365	40.10	ppb		99
8) bromomethane	5.217	96	38476	42.65	ppb		98
9) chloroethane	5.383	64	44579	48.63	ppb		100
10) ethyl ether	6.258	59	73871	52.88	ppb		94
11) acetonitrile	5.924	41	29336	49.65	ppb		88
12) trichlorofluoromethane	6.044	101	101769	43.42	ppb		96
13) freon-113	6.800	101	67872	53.58	ppb		95
14) acrolein	6.010	56	7742	66.86	ppb		92
15) 1,1-dichloroethene	6.603	96	69040	58.44	ppb		94
16) acetone	6.149	58	9208	45.87	ppb		85
17) Methyl Acetate	6.787	43	96185	36.67	ppb	#	89
18) methylene chloride	6.752	84	75135	50.64	ppb	#	80
19) methyl tert butyl ether	7.541	73	186321	45.63	ppb		94
20) acrylonitrile	6.656	53	73310	90.85	ppb		95
21) allyl chloride	6.846	41	163467	49.81	ppb		89
22) trans-1,2-dichloroethene	7.445	96	72965	54.97	ppb		94
23) iodomethane	6.661	142	108200	54.16	ppb		98
24) carbon disulfide	7.030	76	188381	49.06	ppb		99
25) propionitrile	8.068	54	8183	54.91	ppb		100
26) vinyl acetate	7.802	43	195372	42.53	ppb		98
27) chloroprene	8.067	53	146376	48.78	ppb		86
28) di-isopropyl ether	8.109	45	355679	47.20	ppb		94
29) methacrylonitrile	8.225	41	61831	44.73	ppb		90
30) 2-butanone	8.117	72	7704	43.77	ppb	#	1
31) Ethyl Acetate	8.102	43	318527	49.08	ug/L		99
32) Hexane	8.092	41	173342	52.69	ppb	#	92
33) 1,1-dichloroethane	7.699	63	160933	49.92	ppb		97
34) tert-butyl ethyl ether	8.515	59	278232	50.42	ppb		99
35) isobutyl alcohol	8.537	43	59179	245.86	ppb		92
36) 2,2-dichloropropane	8.561	77	74596	51.55	ppb		96

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16837.D
Acq On : 16 Dec 2013 4:20 pm
Operator : garyk
Sample : jb55056-6msd
Misc : ms30784,msu802,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 08:16:39 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.273	96	79062	51.66	ppb		96
38)	bromochloromethane	8.440	128	35864	48.71	ppb	#	75
39)	chloroform	8.480	83	130763	44.66	ppb		93
41)	Tetrahydrofuran	8.816	42	30719	45.63	ppb		79
42)	1,1,1-trichloroethane	9.234	97	100675	43.99	ppb		91
44)	Cyclohexane	9.521	56	160550	50.48	ppb		90
45)	carbon tetrachloride	9.600	117	88207	50.01	ppb		99
46)	1,1-dichloropropene	9.411	75	100059	51.65	ppb		95
47)	benzene	9.636	78	276899	46.89	ppb		98
48)	1,2-dichloroethane	9.135	62	111202	45.47	ppb		97
49)	tert-amyl methyl ether	9.758	73	190280	46.16	ppb		90
50)	heptane	9.765	43	104942	50.41	ppb		92
51)	trichloroethene	10.263	95	80395	48.40	ppb		98
52)	1,2-dichloropropane	10.227	63	84792	47.36	ppb		99
53)	dibromomethane	10.201	93	46533	47.46	ppb		96
54)	bromodichloromethane	10.315	83	97310	44.64	ppb		96
55)	Methylcyclohexane	10.785	83	128968	53.31	ppb		94
56)	2-chloroethyl vinyl ether	10.777	63	1388	2.03	ppb	#	1
57)	methyl methacrylate	10.419	69	41423	46.98	ppb	#	66
58)	1,4-dioxane	10.435	88	3630	386.80	ppb		83
59)	cis-1,3-dichloropropene	10.939	75	112718	48.24	ppb		98
61)	4-methyl-2-pentanone	11.045	43	104669	50.50	ppb		91
62)	toluene	11.718	92	160860	47.59	ppb		99
63)	trans-1,3-dichloropropene	11.361	75	97873	48.41	ppb		96
64)	1,1,2-trichloroethane	11.533	83	52015	45.09	ppb		97
65)	ethyl methacrylate	11.743	69	81074	47.19	ppb		82
67)	tetrachloroethene	12.461	166	72425	48.73	ppb		97
68)	1,3-dichloropropane	11.770	76	100570	49.63	ppb		90
69)	dibromochloromethane	12.060	129	68997	50.30	ppb		99
70)	1,2-dibromoethane	12.312	107	64763	50.08	ppb		97
71)	2-hexanone	11.921	43	71243	51.03	ppb		91
72)	chlorobenzene	13.143	112	181336	45.96	ppb		98
73)	1,1,1,2-tetrachloroethane	13.063	131	69085	50.26	ppb		93
74)	ethylbenzene	13.320	91	323070	48.89	ppb		98
75)	m,p-xylene	13.504	106	242904	97.99	ppb		99
76)	o-xylene	13.918	106	119768	46.95	ppb		96
77)	styrene	13.845	104	151770	37.16	ppb		93
78)	bromoform	13.670	173	54378	48.24	ppb		98
79)	trans-1,4-dichloro-2-b...	14.070	53	35619	59.82	ppb		89
81)	isopropylbenzene	14.282	105	316813	46.63	ppb		99
83)	bromobenzene	14.569	156	92002	49.15	ppb		88
84)	1,1,2,2-tetrachloroethane	13.922	83	84772	48.44	ppb		98
85)	1,2,3-trichloropropane	14.071	75	110684	52.56	ppb		98
86)	n-propylbenzene	14.728	91	387635	45.39	ppb		99
87)	2-chlorotoluene	14.845	91	240010	46.23	ppb		99
88)	4-chlorotoluene	14.922	91	255277	47.41	ppb		100
89)	1,3,5-trimethylbenzene	15.005	105	272707	45.33	ppb		100
90)	tert-butylbenzene	15.311	91	163877	44.62	ppb		98
91)	1,2,4-trimethylbenzene	15.414	105	244818	40.29	ppb		99
92)	sec-butylbenzene	15.534	105	365181	45.52	ppb		100

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16837.D
Acq On : 16 Dec 2013 4:20 pm
Operator : garyk
Sample : jb55056-6msd
Misc : ms30784,msu802,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 08:16:39 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

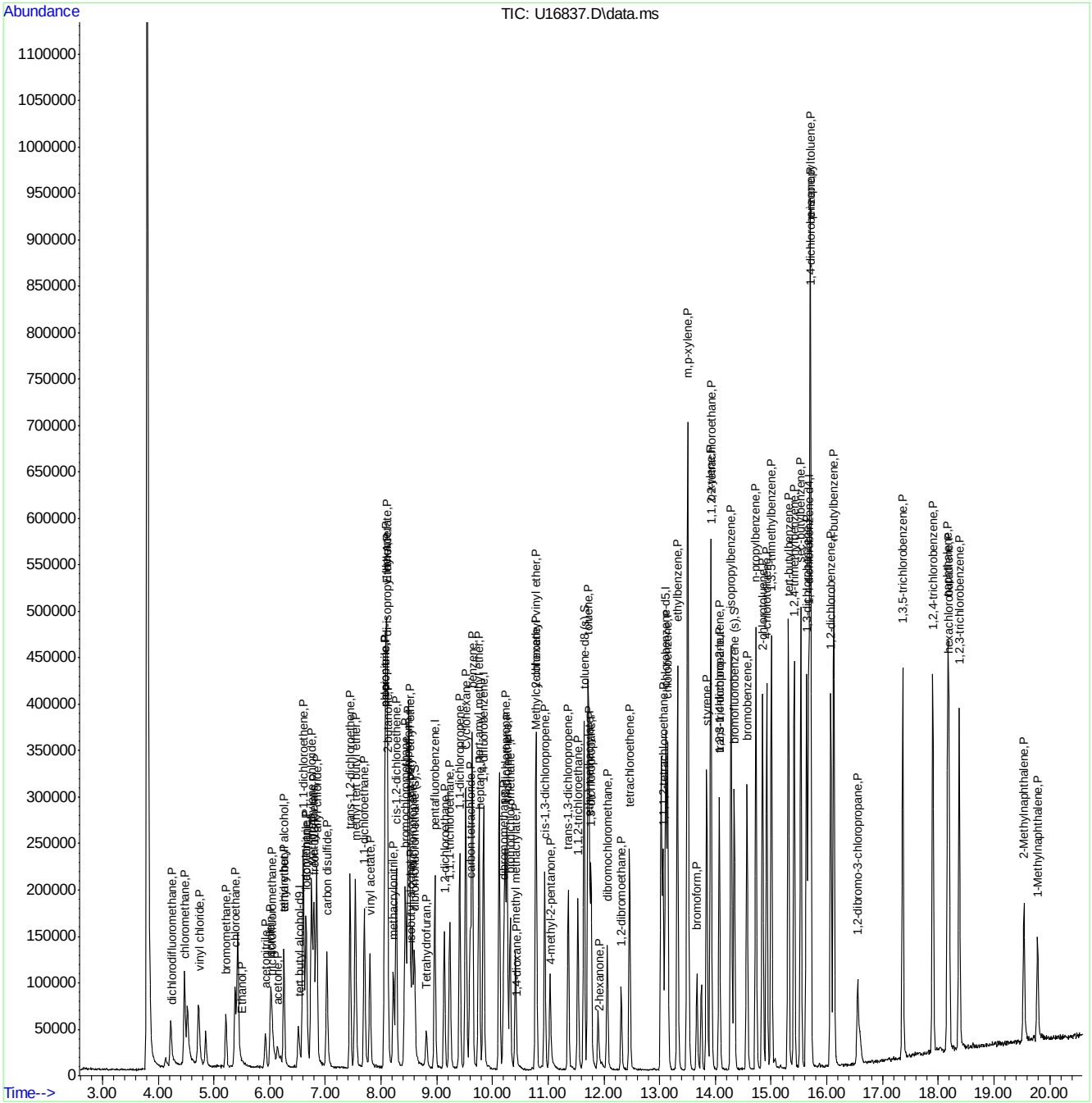
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.635	146	179922	45.46	ppb	96
94) p-isopropyltoluene	15.706	119	298100	46.19	ppb	99
95) 1,4-dichlorobenzene	15.703	146	184597	46.57	ppb	99
96) 1,2-dichlorobenzene	16.072	146	177905	45.85	ppb	97
97) n-butylbenzene	16.126	91	309959	46.30	ppb	99
98) 1,2-dibromo-3-chloropr...	16.554	75	20143	49.23	ppb	89
99) 1,3,5-trichlorobenzene	17.365	180	138946	46.10	ug/L	99
100) 1,2,4-trichlorobenzene	17.904	180	140026	49.35	ppb	97
101) hexachlorobutadiene	18.193	225	70427	49.25	ppb	97
102) naphthalene	18.171	128	316982	50.77	ppb	100
103) 2-Methylnaphthalene	19.541	142	86056	27.23	ug/L	98
104) 1-Methylnaphthalene	19.786	142	66123	27.02	ug/L	97
105) 1,2,3-trichlorobenzene	18.377	180	126993	48.82	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16837.D
Acq On : 16 Dec 2013 4:20 pm
Operator : garyk
Sample : jb55056-6msd
Misc : ms30784,msu802,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 08:16:39 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/18/13 09:15

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131217\
Data File : U16892.D
Acq On : 17 Dec 2013 5:45 pm
Operator : garyk
Sample : mc27155-1ms
Misc : ms30802,msu804,,,,5,5
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 18 07:44:02 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.540	65	48083	500.00	ppb		0.00
4) pentafluorobenzene	8.964	168	119036	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.838	114	181851	50.00	ppb		0.00
66) chlorobenzene-d5	13.108	82	92251	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.674	152	97729	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.599	113	57261	54.38	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.76%				
60) toluene-d8 (s)	11.644	98	208737	55.98	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.96%				
82) bromofluorobenzene (s)	14.337	95	86742	56.72	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 113.44%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.256	59	64303	631.81	ppb		86
3) Ethanol	5.469	45	55923	3608.67	ppb	#	39
5) dichlorodifluoromethane	4.249	85	65233	41.75	ppb		83
6) chloromethane	4.479	50	129005	52.78	ppb		95
7) vinyl chloride	4.731	62	81735	41.86	ppb		96
8) bromomethane	5.217	96	38929	49.80	ppb		98
9) chloroethane	5.381	64	42893	54.00	ppb		97
10) ethyl ether	6.256	59	64303	53.13	ppb		91
11) acetonitrile	5.922	41	30347	59.27	ppb		81
12) trichlorofluoromethane	6.042	101	93238	45.91	ppb		93
13) freon-113	6.799	101	59858	54.53	ppb		95
14) acrolein	6.010	56	1947	19.41	ppb		92
15) 1,1-dichloroethene	6.603	96	59834	58.45	ppb		90
16) acetone	6.164	58	7476	42.99	ppb	#	82
17) Methyl Acetate	6.789	43	89245	39.27	ppb	#	90
18) methylene chloride	6.752	84	67923	52.83	ppb	#	77
19) methyl tert butyl ether	7.543	73	169760	47.98	ppb		93
20) acrylonitrile	6.659	53	63491	90.81	ppb		88
21) allyl chloride	6.844	41	146014	51.35	ppb		87
22) trans-1,2-dichloroethene	7.443	96	64607	56.25	ppb		95
23) iodomethane	6.662	142	96838	55.94	ppb		99
24) carbon disulfide	7.032	76	186724	56.13	ppb		99
25) propionitrile	8.066	54	7800	60.41	ppb		100
26) vinyl acetate	7.801	43	184533	46.36	ppb		95
27) chloroprene	8.065	53	146949	56.52	ppb		85
28) di-isopropyl ether	8.109	45	325717	49.89	ppb		95
29) methacrylonitrile	8.224	41	56524	47.20	ppb		90
30) 2-butanone	8.118	72	6833	44.81	ppb	#	27
31) Ethyl Acetate	8.105	43	288686	51.34	ug/L		99
32) Hexane	8.091	41	151535	53.16	ppb	#	92
33) 1,1-dichloroethane	7.698	63	139531	49.96	ppb		96
34) tert-butyl ethyl ether	8.507	59	241611	50.53	ppb		98
35) isobutyl alcohol	8.532	43	51835	248.55	ppb		87
36) 2,2-dichloropropane	8.560	77	62326	49.71	ppb		100

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131217\
Data File : U16892.D
Acq On : 17 Dec 2013 5:45 pm
Operator : garyk
Sample : mc27155-1ms
Misc : ms30802,msu804,,,,5,5
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 18 07:44:02 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	8.272	96	69947	52.83	ppb		96
38) bromochloromethane	8.438	128	32803	51.42	ppb	#	82
39) chloroform	8.478	83	118200	46.59	ppb		100
41) Tetrahydrofuran	8.816	42	27153	46.55	ppb		83
42) 1,1,1-trichloroethane	9.235	97	95384	48.10	ppb		96
44) Cyclohexane	9.521	56	142268	51.64	ppb		90
45) carbon tetrachloride	9.601	117	83366	54.57	ppb		96
46) 1,1-dichloropropene	9.410	75	89797	53.51	ppb		98
47) benzene	9.636	78	253929	49.64	ppb		100
48) 1,2-dichloroethane	9.134	62	104154	49.17	ppb		99
49) tert-amyl methyl ether	9.764	73	179183	50.18	ppb		89
50) heptane	9.762	43	93460	51.82	ppb		93
51) trichloroethene	10.261	95	71690	49.82	ppb		99
52) 1,2-dichloropropane	10.226	63	77654	50.08	ppb		100
53) dibromomethane	10.200	93	43003	50.64	ppb		99
54) bromodichloromethane	10.314	83	88539	46.89	ppb		96
55) Methylcyclohexane	10.783	83	109426	52.22	ppb		92
56) 2-chloroethyl vinyl ether	10.776	63	1238	2.09	ppb	#	1
57) methyl methacrylate	10.415	69	34800	45.57	ppb	#	78
58) 1,4-dioxane	10.429	88	1182m	224.45	ppb		
59) cis-1,3-dichloropropene	10.937	75	100932	49.87	ppb		97
61) 4-methyl-2-pentanone	11.044	43	86762	48.33	ppb		89
62) toluene	11.717	92	145998	49.86	ppb		98
63) trans-1,3-dichloropropene	11.359	75	89885	51.33	ppb		97
64) 1,1,2-trichloroethane	11.532	83	46326	46.36	ppb		95
65) ethyl methacrylate	11.741	69	70718	47.52	ppb		78
67) tetrachloroethene	12.461	166	64768	50.43	ppb		98
68) 1,3-dichloropropane	11.769	76	89989	51.39	ppb		94
69) dibromochloromethane	12.059	129	61465	51.86	ppb		98
70) 1,2-dibromoethane	12.311	107	56770	50.80	ppb		99
71) 2-hexanone	11.920	43	57546	47.71	ppb		95
72) chlorobenzene	13.142	112	165118	48.43	ppb		99
73) 1,1,1,2-tetrachloroethane	13.062	131	61316	51.63	ppb		99
74) ethylbenzene	13.319	91	291041	50.97	ppb		100
75) m,p-xylene	13.503	106	217824	101.69	ppb		97
76) o-xylene	13.917	106	109896	49.86	ppb		96
77) styrene	13.844	104	181897	51.54	ppb		98
78) bromoform	13.669	173	46195	47.43	ppb		97
79) trans-1,4-dichloro-2-b...	14.071	53	24461	47.54	ppb		96
81) isopropylbenzene	14.281	105	286298	49.88	ppb		96
83) bromobenzene	14.569	156	81629	51.62	ppb		93
84) 1,1,2,2-tetrachloroethane	13.922	83	75353	50.97	ppb		98
85) 1,2,3-trichloropropane	14.071	75	85882	48.28	ppb		98
86) n-propylbenzene	14.727	91	346132	47.98	ppb		100
87) 2-chlorotoluene	14.845	91	215225	49.08	ppb		99
88) 4-chlorotoluene	14.922	91	232091	51.03	ppb		99
89) 1,3,5-trimethylbenzene	15.005	105	254615	50.10	ppb		99
90) tert-butylbenzene	15.311	91	150339	48.46	ppb		100
91) 1,2,4-trimethylbenzene	15.414	105	258098	50.29	ppb		100
92) sec-butylbenzene	15.534	105	331003	48.85	ppb		97

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131217\
Data File : U16892.D
Acq On : 17 Dec 2013 5:45 pm
Operator : garyk
Sample : mc27155-1ms
Misc : ms30802,msu804,,,,5,5
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 18 07:44:02 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

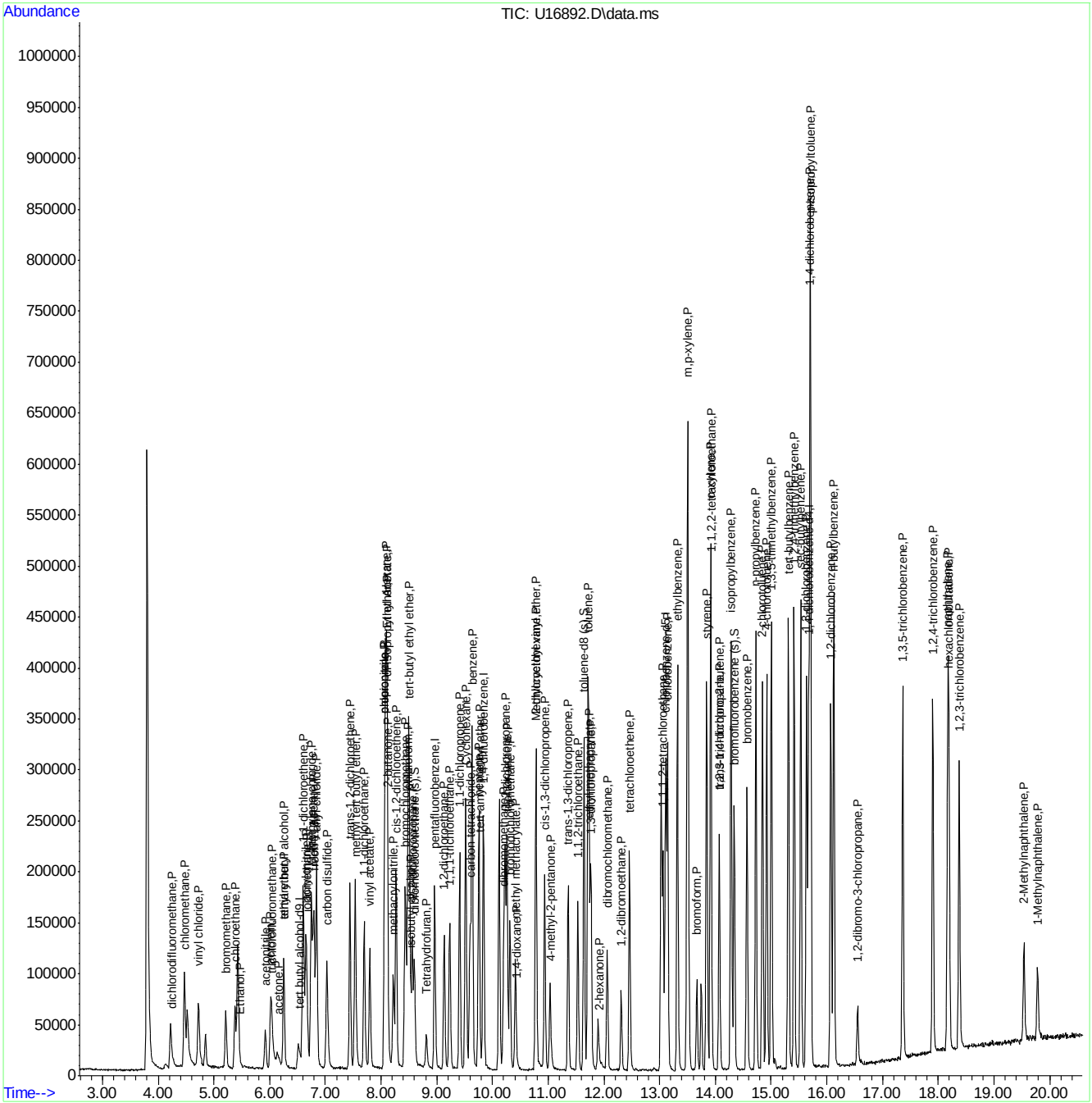
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.635	146	165188	49.41	ppb	97
94)	p-isopropyltoluene	15.707	119	275838	50.59	ppb	98
95)	1,4-dichlorobenzene	15.703	146	164472	49.12	ppb	99
96)	1,2-dichlorobenzene	16.071	146	160682	49.03	ppb	99
97)	n-butylbenzene	16.126	91	280307	49.57	ppb	97
98)	1,2-dibromo-3-chloropr...	16.555	75	16560	47.91	ppb	91
99)	1,3,5-trichlorobenzene	17.365	180	122763	48.22	ug/L	100
100)	1,2,4-trichlorobenzene	17.905	180	116930	48.79	ppb	96
101)	hexachlorobutadiene	18.193	225	60466	50.06	ppb	100
102)	naphthalene	18.172	128	261584	49.60	ppb	100
103)	2-Methylnaphthalene	19.542	142	57785	21.65	ug/L	99
104)	1-Methylnaphthalene	19.787	142	44002	21.28	ug/L	98
105)	1,2,3-trichlorobenzene	18.378	180	101037	45.98	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131217\
Data File : U16892.D
Acq On : 17 Dec 2013 5:45 pm
Operator : garyk
Sample : mc27155-1ms
Misc : ms30802,msu804,,,,5,5
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 18 07:44:02 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131217\
Data File : U16893.D
Acq On : 17 Dec 2013 6:13 pm
Operator : garyk
Sample : mc27155-1msd
Misc : ms30802,msu804,,,,5,5
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 18 07:44:12 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.568	65	53075	500.00	ppb		0.02
4) pentafluorobenzene	8.965	168	109875	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.840	114	168876	50.00	ppb		0.00
66) chlorobenzene-d5	13.107	82	88219	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.673	152	96063	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.600	113	52699	54.22	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.44%				
60) toluene-d8 (s)	11.644	98	191921	55.42	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.84%				
82) bromofluorobenzene (s)	14.337	95	84192	56.00	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.00%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.261	59	62576	557.02	ppb		89
3) Ethanol	5.510	45	105707	5710.39	ppb	#	39
5) dichlorodifluoromethane	4.242	85	60300	41.81	ppb		95
6) chloromethane	4.480	50	123349	54.67	ppb		99
7) vinyl chloride	4.733	62	77855	43.20	ppb		97
8) bromomethane	5.217	96	36247	50.24	ppb		98
9) chloroethane	5.381	64	41705	56.88	ppb		94
10) ethyl ether	6.261	59	62576	56.01	ppb		96
11) acetonitrile	5.922	41	21685	45.89	ppb		77
12) trichlorofluoromethane	6.039	101	92486	49.34	ppb		91
13) freon-113	6.800	101	56306	55.58	ppb		92
14) acrolein	6.010	56	1099	11.87	ppb		92
15) 1,1-dichloroethene	6.601	96	56205	59.56	ppb		88
16) acetone	6.159	58	6792	42.31	ppb	#	65
17) Methyl Acetate	6.803	43	83269	39.69	ppb	#	92
18) methylene chloride	6.753	84	65722	55.39	ppb	#	76
19) methyl tert butyl ether	7.556	73	172358	52.78	ppb		89
20) acrylonitrile	6.678	53	64214	99.50	ppb		89
21) allyl chloride	6.846	41	142733	54.39	ppb		89
22) trans-1,2-dichloroethene	7.445	96	62759	59.38	ppb		92
23) iodomethane	6.660	142	96460	60.37	ppb		96
24) carbon disulfide	7.027	76	182751	59.51	ppb		99
25) propionitrile	8.067	54	7457	62.57	ppb		100
26) vinyl acetate	7.806	43	172274	46.89	ppb		96
27) chloroprene	8.068	53	142544	59.40	ppb		88
28) di-isopropyl ether	8.112	45	317561	52.70	ppb		96
29) methacrylonitrile	8.233	41	55189	49.92	ppb		88
30) 2-butanone	8.124	72	6503	46.20	ppb	#	41
31) Ethyl Acetate	8.108	43	280328	54.01	ug/L		98
32) Hexane	8.093	41	144146	54.79	ppb	#	92
33) 1,1-dichloroethane	7.702	63	137614	53.38	ppb		98
34) tert-butyl ethyl ether	8.512	59	240611	54.52	ppb		98
35) isobutyl alcohol	8.541	43	55553	288.59	ppb	#	29
36) 2,2-dichloropropane	8.561	77	67865	58.64	ppb		100

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131217\
Data File : U16893.D
Acq On : 17 Dec 2013 6:13 pm
Operator : garyk
Sample : mc27155-1msd
Misc : ms30802,msu804,,,,5,5
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 18 07:44:12 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.276	96	69259	56.97	ppb		96
38)	bromochloromethane	8.442	128	32042	54.41	ppb	#	74
39)	chloroform	8.481	83	117017	49.97	ppb		99
41)	Tetrahydrofuran	8.824	42	25186	46.77	ppb		91
42)	1,1,1-trichloroethane	9.236	97	95289	52.06	ppb		96
44)	Cyclohexane	9.521	56	136956	53.53	ppb		87
45)	carbon tetrachloride	9.600	117	80640	56.84	ppb		96
46)	1,1-dichloropropene	9.411	75	85863	55.10	ppb		97
47)	benzene	9.638	78	239746	50.47	ppb		98
48)	1,2-dichloroethane	9.136	62	97944	49.79	ppb		99
49)	tert-amyl methyl ether	9.766	73	174892	52.74	ppb		91
50)	heptane	9.761	43	86356	51.56	ppb		93
51)	trichloroethene	10.262	95	71394	53.43	ppb		95
52)	1,2-dichloropropane	10.229	63	72465	50.32	ppb		100
53)	dibromomethane	10.202	93	41319	52.39	ppb		96
54)	bromodichloromethane	10.316	83	87206	49.73	ppb		96
55)	Methylcyclohexane	10.785	83	105855	54.40	ppb		96
56)	2-chloroethyl vinyl ether	10.768	63	1668	3.03	ppb	#	1
57)	methyl methacrylate	10.420	69	34825	49.10	ppb	#	69
58)	1,4-dioxane	10.436	88	2627	360.70	ppb		75
59)	cis-1,3-dichloropropene	10.938	75	93832	49.92	ppb		100
61)	4-methyl-2-pentanone	11.046	43	84361	50.60	ppb		91
62)	toluene	11.717	92	137640	50.62	ppb		100
63)	trans-1,3-dichloropropene	11.360	75	85663	52.67	ppb		94
64)	1,1,2-trichloroethane	11.532	83	43910	47.32	ppb		97
65)	ethyl methacrylate	11.742	69	68691	49.70	ppb		87
67)	tetrachloroethene	12.460	166	60285	49.09	ppb		95
68)	1,3-dichloropropane	11.770	76	84459	50.44	ppb		92
69)	dibromochloromethane	12.059	129	59332	52.35	ppb		96
70)	1,2-dibromoethane	12.312	107	53918	50.46	ppb		93
71)	2-hexanone	11.914	43	56770	49.21	ppb		96
72)	chlorobenzene	13.142	112	153515	47.08	ppb		97
73)	1,1,1,2-tetrachloroethane	13.061	131	62538	55.06	ppb		94
74)	ethylbenzene	13.318	91	271472	49.72	ppb		96
75)	m,p-xylene	13.503	106	202737	98.97	ppb		100
76)	o-xylene	13.916	106	106279	50.42	ppb		100
77)	styrene	13.844	104	173982	51.55	ppb		96
78)	bromoform	13.669	173	45612	48.97	ppb		98
79)	trans-1,4-dichloro-2-b...	14.070	53	23353	47.46	ppb		97
81)	isopropylbenzene	14.281	105	278689	49.40	ppb		99
83)	bromobenzene	14.568	156	79451	51.12	ppb		89
84)	1,1,2,2-tetrachloroethane	13.921	83	65728	45.23	ppb		99
85)	1,2,3-trichloropropane	14.071	75	84351	48.24	ppb		99
86)	n-propylbenzene	14.727	91	336235	47.41	ppb		99
87)	2-chlorotoluene	14.844	91	212774	49.36	ppb		99
88)	4-chlorotoluene	14.921	91	222521	49.77	ppb		100
89)	1,3,5-trimethylbenzene	15.005	105	251568	50.36	ppb		94
90)	tert-butylbenzene	15.310	91	145177	47.60	ppb		97
91)	1,2,4-trimethylbenzene	15.414	105	252736	50.09	ppb		99
92)	sec-butylbenzene	15.533	105	327496	49.17	ppb		100

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131217\
Data File : U16893.D
Acq On : 17 Dec 2013 6:13 pm
Operator : garyk
Sample : mc27155-1msd
Misc : ms30802,msu804,,,,5,5
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 18 07:44:12 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

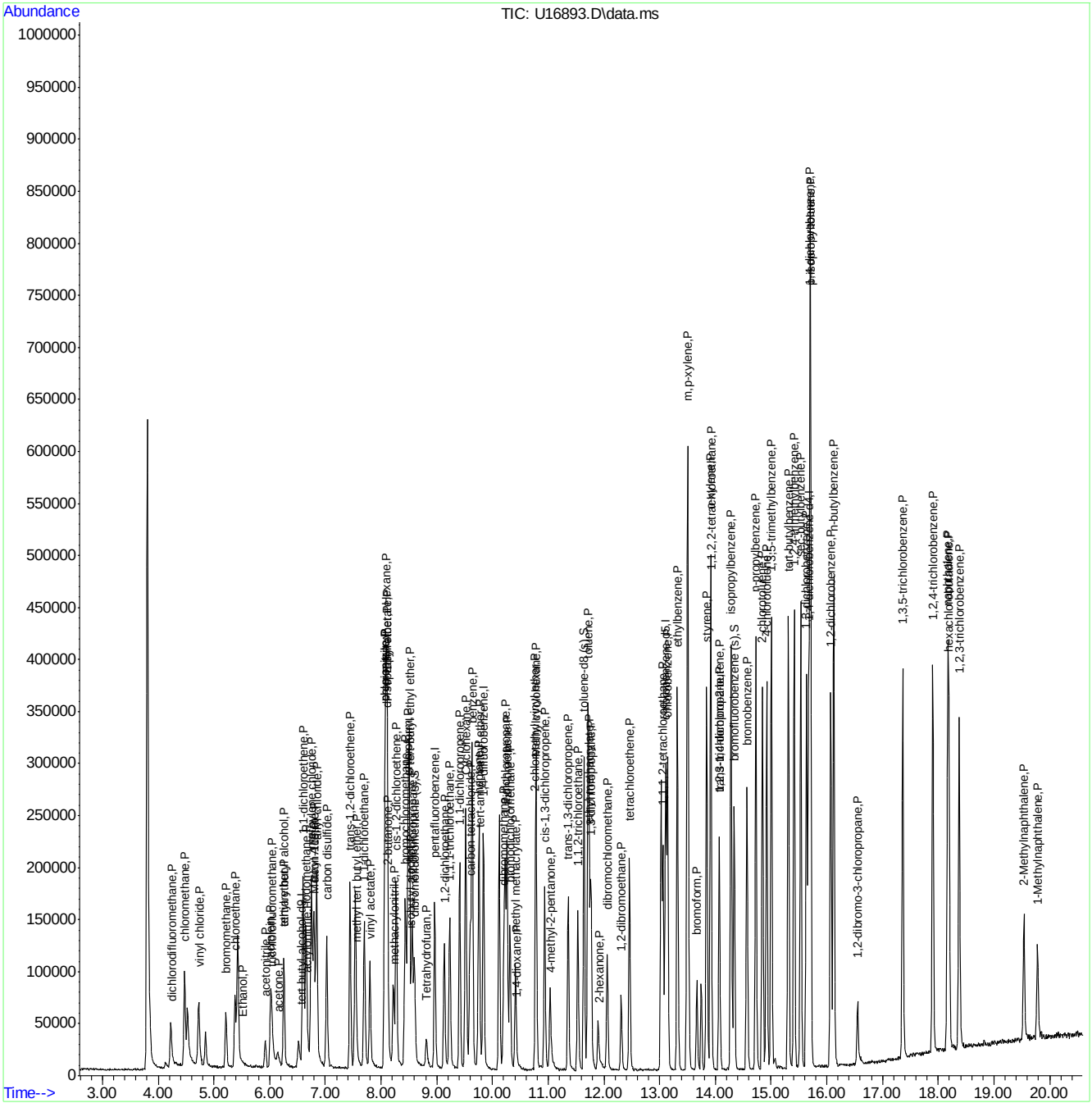
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.635	146	161203	49.06	ppb	95
94)	p-isopropyltoluene	15.706	119	272757	50.90	ppb	98
95)	1,4-dichlorobenzene	15.702	146	164836	50.08	ppb	98
96)	1,2-dichlorobenzene	16.071	146	161186	50.03	ppb	98
97)	n-butylbenzene	16.126	91	277795	49.98	ppb	98
98)	1,2-dibromo-3-chloropr...	16.554	75	17152	50.48	ppb	94
99)	1,3,5-trichlorobenzene	17.364	180	126101	50.39	ug/L	98
100)	1,2,4-trichlorobenzene	17.904	180	124116	52.69	ppb	98
101)	hexachlorobutadiene	18.193	225	63846	53.77	ppb	98
102)	naphthalene	18.171	128	271523	52.37	ppb	100
103)	2-Methylnaphthalene	19.542	142	71227	27.15	ug/L	97
104)	1-Methylnaphthalene	19.786	142	54359	26.75	ug/L	99
105)	1,2,3-trichlorobenzene	18.377	180	113557	52.57	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131217\
Data File : U16893.D
Acq On : 17 Dec 2013 6:13 pm
Operator : garyk
Sample : mc27155-1msd
Misc : ms30802,msu804,,,,5,5
ALS Vial : 11 Sample Multiplier: 1

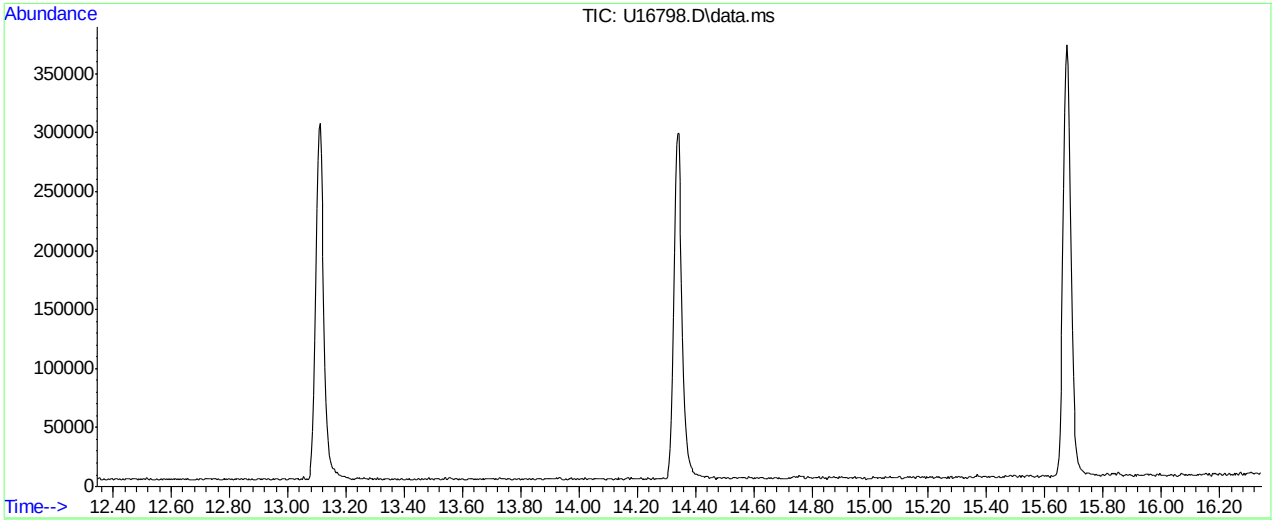
Quant Time: Dec 18 07:44:12 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration



SW-846 Method 8260

Data File : D:\msdchem\1\data\U131213\U16798.D Vial: 18
Acq On : 13 Dec 2013 4:12 pm Operator: garyk
Sample : bfb Inst : MSU
Misc : ms30755,msu801,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\msdchem\1\methods\U131017W.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 3333

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.1	12101	PASS
75	95	30	60	49.1	24696	PASS
95	95	100	100	100.0	50312	PASS
96	95	5	9	5.6	2799	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	84.6	42568	PASS
175	174	5	9	7.9	3354	PASS
176	174	95	101	100.0	42568	PASS
177	176	5	9	6.8	2884	PASS

U16798.D U131017W.m Mon Dec 16 08:04:30 2013

Scan 3333 (14.346 min): U16798.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	641	52.20	195	69.10	5170	81.00	1565
37.10	3257	55.00	182	70.10	187	82.00	451
38.10	2493	56.20	829	72.00	202	87.00	2330
39.20	1041	57.10	1607	73.10	2539	88.00	2162
40.10	4029	60.10	311	74.10	7966	92.00	1282
44.10	1770	61.10	2258	75.10	24696	93.00	1972
45.10	465	62.10	2345	76.10	2292	94.10	5963
47.10	1265	63.10	1952	77.10	525	95.10	50312
49.10	3095	64.20	192	78.00	332	96.10	2799
50.10	12101	67.00	177	79.00	1402	103.90	292
51.10	3317	68.10	5192	80.10	408	116.90	255

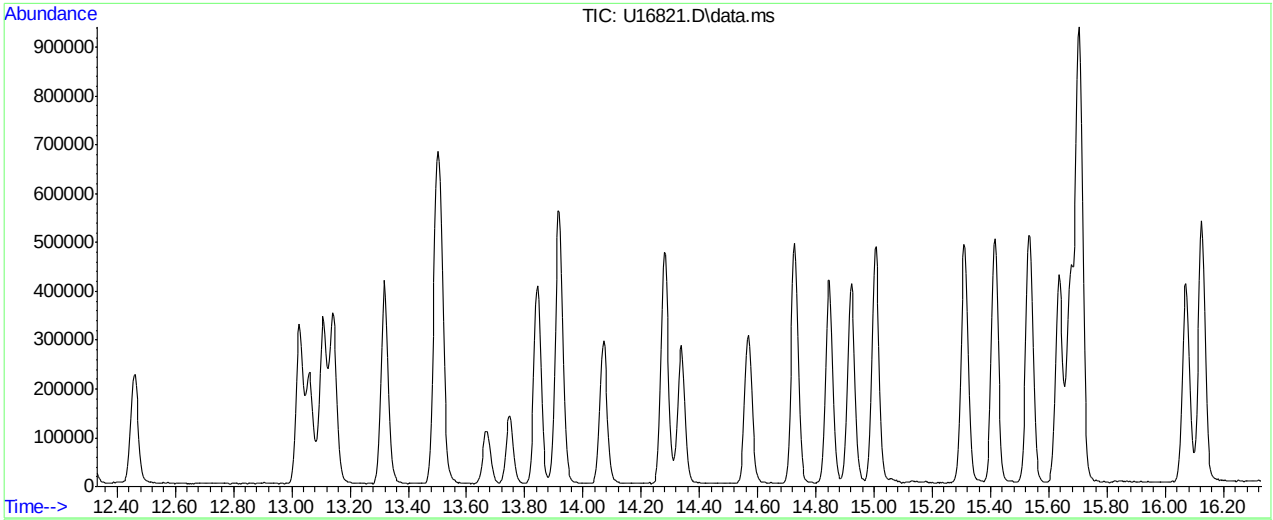
Scan 3333 (14.346 min): U16798.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
118.90	294	207.10	378				
129.90	164	252.90	269				
136.90	220	269.10	222				
141.00	833						
142.90	678						
161.00	150						
172.00	163						
174.00	42568						
175.00	3354						
176.00	42568						
177.00	2884						

SW-846 Method 8260

Data File : D:\msdchem\1\data\U131216\U16821.D Vial: 3
Acq On : 16 Dec 2013 9:05 am Operator: garyk
Sample : bfb Inst : MSU
Misc : ms30755,msu802,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\msdchem\1\methods\U131213W.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 3329

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.9	13095	PASS
75	95	30	60	49.2	23976	PASS
95	95	100	100	100.0	48696	PASS
96	95	5	9	8.1	3946	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	84.0	40888	PASS
175	174	5	9	7.2	2933	PASS
176	174	95	101	97.9	40040	PASS
177	176	5	9	8.3	3325	PASS

U16821.D U131213W.m Mon Dec 16 11:02:14 2013

Scan 3329 (14.332 min): U16821.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	775	49.10	2665	65.00	197	78.00	226
37.10	3242	50.10	13095	67.10	170	79.00	1158
38.20	2822	51.10	4259	68.10	4412	80.10	360
39.20	1327	52.20	290	69.10	5467	81.00	1616
40.10	3981	55.10	326	70.10	570	82.10	309
41.20	271	56.10	763	72.10	156	87.00	2188
43.20	315	57.10	1722	73.10	2343	88.00	1936
44.10	1933	60.00	595	74.10	7634	90.90	264
45.10	667	61.10	2172	75.10	23976	92.10	1439
47.10	940	62.10	2814	76.10	2259	93.10	2229
47.90	245	63.10	1998	77.10	612	94.10	5658

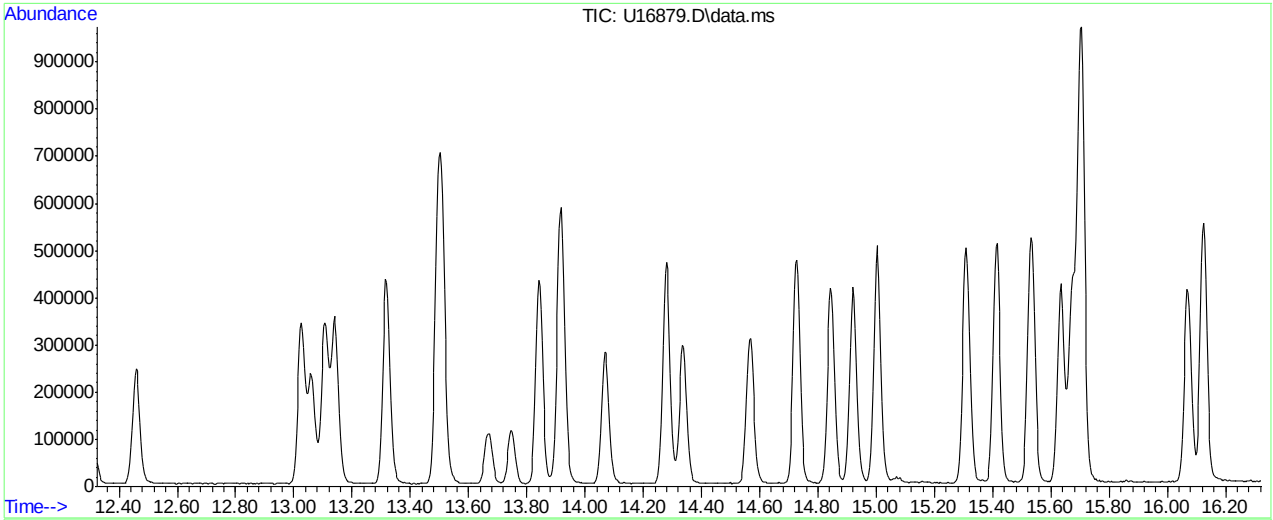
Scan 3329 (14.332 min): U16821.D\data.ms
bfb

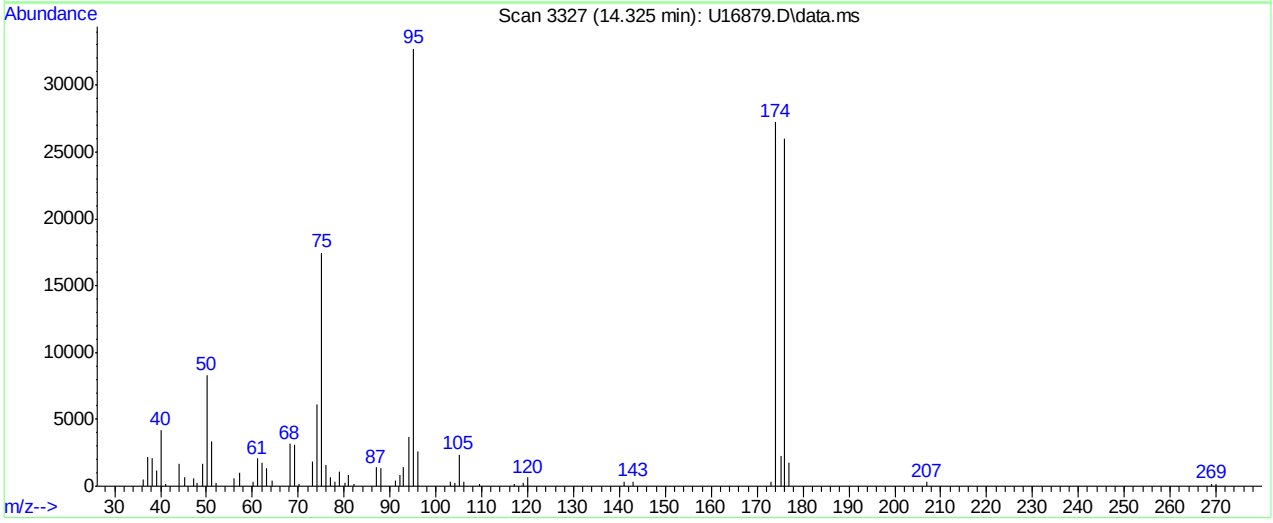
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.10	48696	133.00	156				
96.10	3946	140.90	420				
104.00	222	143.00	608				
105.10	1529	160.90	167				
106.10	318	174.00	40888				
112.80	196	175.00	2933				
115.80	172	176.00	40040				
117.00	327	177.00	3325				
119.00	358	207.00	316				
120.10	392	269.10	291				
129.10	163						

SW-846 Method 8260

Data File : D:\msdchem\1\data\U131217\U16879.D Vial: 2
Acq On : 17 Dec 2013 11:49 am Operator: garyk
Sample : bfb Inst : MSU
Misc : ms30797,msu804,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\msdchem\1\methods\U131213W.m (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Scan 3327

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.4	8322	PASS
75	95	30	60	53.4	17472	PASS
95	95	100	100	100.0	32744	PASS
96	95	5	9	7.9	2581	PASS
173	174	0.00	2	1.2	338	PASS
174	95	50	150	83.2	27240	PASS
175	174	5	9	8.3	2268	PASS
176	174	95	101	95.5	26024	PASS
177	176	5	9	6.9	1799	PASS

U16879.D U131213W.m Tue Dec 17 16:01:15 2013

Scan 3327 (14.325 min): U16879.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.20	535	50.10	8322	69.10	3090	82.10	166
37.10	2185	51.10	3322	70.10	171	87.00	1390
38.10	2122	52.10	251	73.10	1811	88.00	1377
39.10	1207	56.10	586	74.10	6084	91.10	432
40.10	4216	57.10	1004	75.10	17472	92.10	825
41.10	164	60.10	371	76.10	1570	93.00	1415
44.10	1664	61.10	2097	77.10	654	94.10	3665
45.20	685	62.10	1801	78.00	337	95.10	32744
47.10	626	63.10	1369	79.00	1078	96.10	2581
48.00	243	64.20	436	80.20	296	103.20	307
49.10	1698	68.10	3162	81.00	870	104.00	271

Scan 3327 (14.325 min): U16879.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
105.10	2355	176.00	26024				
106.00	299	177.00	1799				
109.60	150	207.00	332				
117.00	158	269.10	212				
118.90	239	270.00	206				
120.10	645						
141.00	330						
143.00	339						
173.00	338						
174.00	27240						
175.10	2268						

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/16/13 10:28

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16803.D
Acq On : 13 Dec 2013 6:29 pm
Operator : garyk
Sample : ic801-0.5
Misc : ms30755,msu801,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 16 08:10:28 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

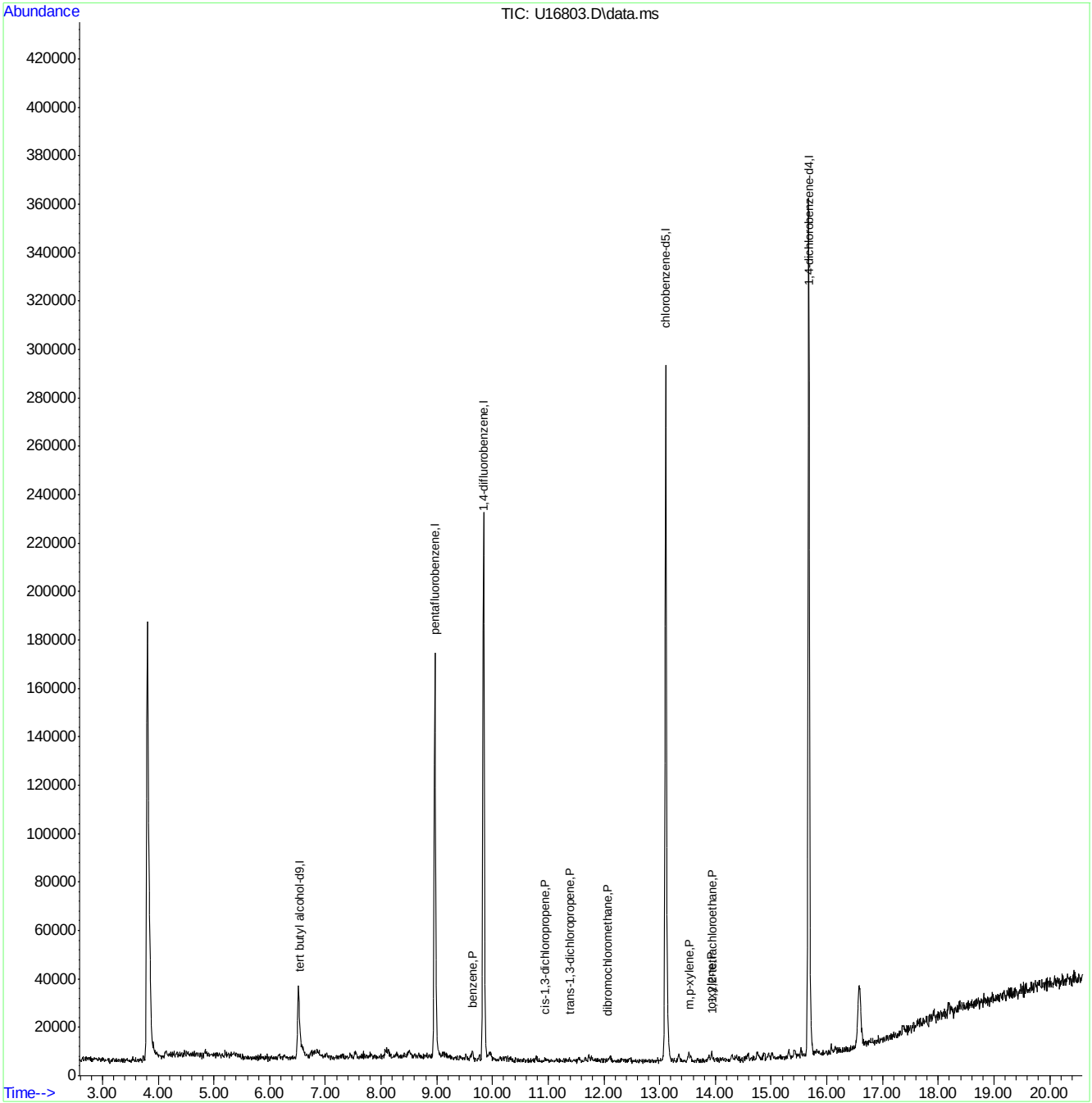
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.534	65	48227	500.00	ppb	0.00
4) pentafluorobenzene	8.968	168	114680	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.844	114	180674	50.00	ppb	0.00
66) chlorobenzene-d5	13.111	82	95170	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.677	152	100416	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	0.000	113	0	0.00	ppb	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
60) toluene-d8 (s)	0.000	98	0d	0.00	ppb	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
82) bromofluorobenzene (s)	0.000	95	0	0.00	ppb	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
47) benzene	9.640	78	2755	0.59	ppb	89
59) cis-1,3-dichloropropene	10.951	75	670m	0.32	ppb	
63) trans-1,3-dichloropropene	11.381	75	524m	0.29	ppb	
69) dibromochloromethane	12.066	129	417m	0.33	ppb	
75) m,p-xylene	13.538	106	1957m	0.89	ppb	
76) o-xylene	13.936	106	1000m	0.44	ppb	
84) 1,1,2,2-tetrachloroethane	13.943	83	571m	0.38	ppb	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16803.D
Acq On : 13 Dec 2013 6:29 pm
Operator : garyk
Sample : ic801-0.5
Misc : ms30755,msu801,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 16 08:10:28 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/16/13 10:28

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16804.D
Acq On : 13 Dec 2013 6:56 pm
Operator : garyk
Sample : ic801-1
Misc : ms30755,msu801,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 16 09:41:14 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

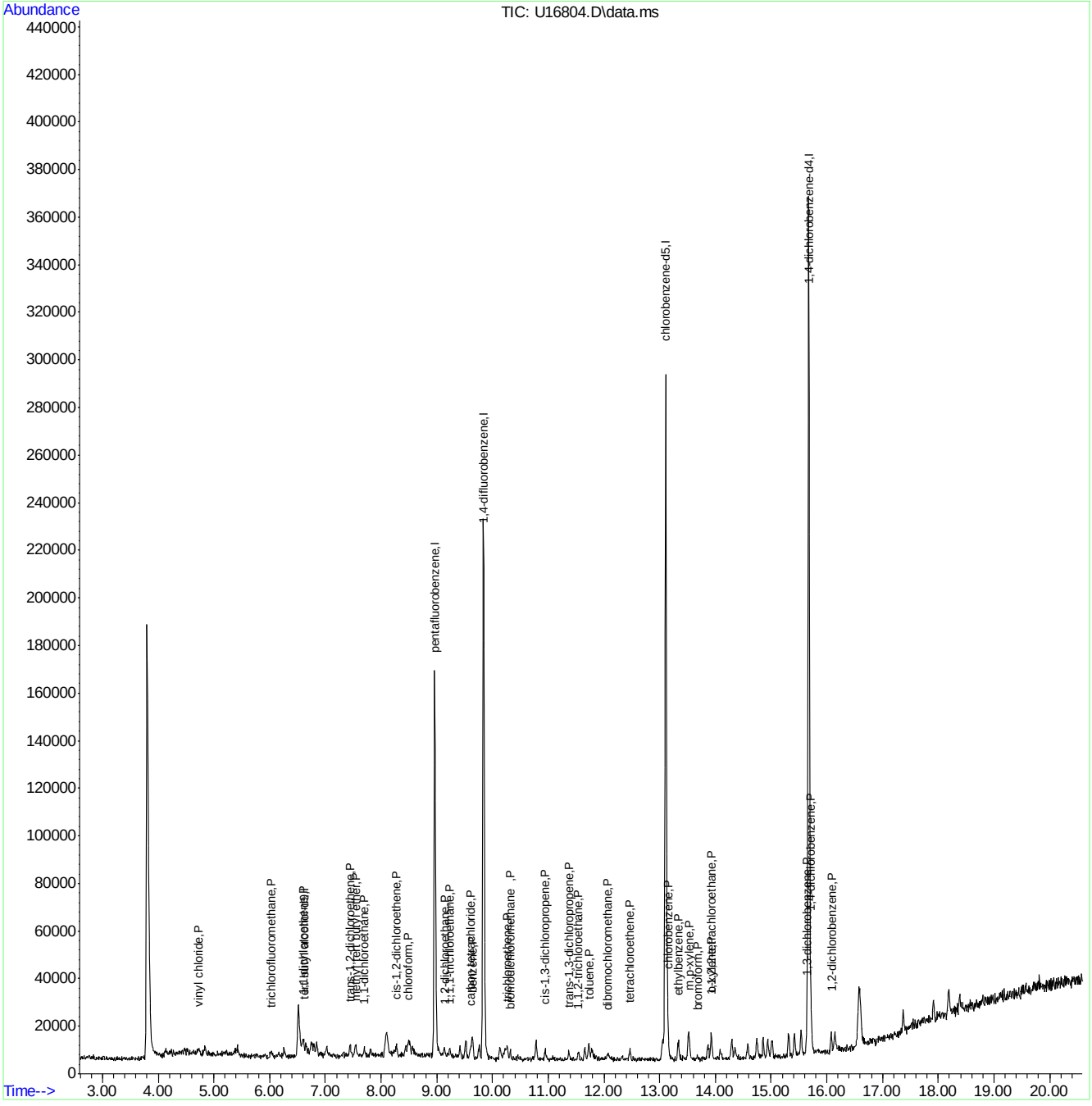
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.614	65	53616m	500.00	ppb		0.07
4) pentafluorobenzene	8.968	168	114672	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.842	114	175031	50.00	ppb		0.00
66) chlorobenzene-d5	13.110	82	94763	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.677	152	100825	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	0.000	113	0d	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
60) toluene-d8 (s)	0.000	98	0d	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
82) bromofluorobenzene (s)	0.000	95	0d	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
7) vinyl chloride	4.722	62	1925m	0.96	ppb		
12) trichlorofluoromethane	6.025	101	1902m	0.89	ppb		
15) 1,1-dichloroethene	6.600	96	1771	1.65	ppb	#	62
19) methyl tert butyl ether	7.542	73	4142	1.20	ppb		98
22) trans-1,2-dichloroethene	7.443	96	2144	1.80	ppb		92
33) 1,1-dichloroethane	7.701	63	3246	1.20	ppb		96
37) cis-1,2-dichloroethene	8.274	96	2447	1.81	ppb	#	59
39) chloroform	8.481	83	2998m	1.59	ppb		
42) 1,1,1-trichloroethane	9.232	97	2336	1.21	ppb		69
45) carbon tetrachloride	9.599	117	1544	1.02	ppb		80
47) benzene	9.641	78	6530	1.43	ppb		90
48) 1,2-dichloroethane	9.141	62	2639m	1.36	ppb		
51) trichloroethene	10.265	95	1656	1.22	ppb		95
54) bromodichloromethane	10.318	83	2147	1.20	ppb		75
59) cis-1,3-dichloropropene	10.948	75	2281	1.13	ppb		95
62) toluene	11.731	92	3372	1.21	ppb		86
63) trans-1,3-dichloropropene	11.376	75	1972	1.12	ppb		98
64) 1,1,2-trichloroethane	11.541	83	1120	1.20	ppb	#	73
67) tetrachloroethene	12.464	166	1431	1.13	ppb		86
69) dibromochloromethane	12.067	129	1358	1.08	ppb		85
72) chlorobenzene	13.146	112	4279	1.28	ppb		96
74) ethylbenzene	13.338	91	7040	1.23	ppb		91
75) m,p-xylene	13.527	106	5262m	2.39	ppb		
76) o-xylene	13.932	106	2713	1.20	ppb		82
78) bromoform	13.675	173	975m	0.95	ppb		
84) 1,1,2,2-tetrachloroethane	13.936	83	1978m	1.33	ppb		
93) 1,3-dichlorobenzene	15.640	146	3936	1.16	ppb		89
95) 1,4-dichlorobenzene	15.704	146	4555	1.36	ppb		65
96) 1,2-dichlorobenzene	16.082	146	3823	1.12	ppb		88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16804.D
Acq On : 13 Dec 2013 6:56 pm
Operator : garyk
Sample : ic801-1
Misc : ms30755,msu801,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 16 09:41:14 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC27081

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/16/13 10:28

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16805.D
Acq On : 13 Dec 2013 7:23 pm
Operator : garyk
Sample : ic801-2
Misc : ms30755,msu801,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 16 09:41:54 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.617	65	47020m	500.00	ppb		0.07
4) pentafluorobenzene	8.967	168	115589	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.839	114	175610m	50.00	ppb		0.00
66) chlorobenzene-d5	13.110	82	92951	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.676	152	98765	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.603	113	2307	2.30	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.60%#			
60) toluene-d8 (s)	11.655	98	8039	2.37	ppb		0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.74%#			
82) bromofluorobenzene (s)	14.349	95	3037	2.00	ppb		0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.00%#			
Target Compounds							Qvalue
5) dichlorodifluoromethane	4.228	85	2582m	1.50	ppb		
6) chloromethane	4.465	50	4913	1.96	ppb		94
7) vinyl chloride	4.722	62	3682	1.81	ppb		65
8) bromomethane	5.213	96	1877	2.60	ppb		80
9) chloroethane	5.373	64	1527	1.94	ppb		95
12) trichlorofluoromethane	6.025	101	3574	1.66	ppb		99
15) 1,1-dichloroethene	6.598	96	2967	2.74	ppb	#	65
18) methylene chloride	6.748	84	2801	2.21	ppb	#	74
19) methyl tert butyl ether	7.543	73	6629	1.90	ppb		99
22) trans-1,2-dichloroethene	7.443	96	3015	2.51	ppb		87
28) di-isopropyl ether	8.117	45	13317	1.98	ppb		86
33) 1,1-dichloroethane	7.699	63	6258	2.30	ppb		98
34) tert-butyl ethyl ether	8.509	59	9576	1.94	ppb		91
37) cis-1,2-dichloroethene	8.276	96	3722	2.73	ppb		95
39) chloroform	8.481	83	5083m	2.68	ppb		
42) 1,1,1-trichloroethane	9.234	97	4100	2.11	ppb		78
45) carbon tetrachloride	9.599	117	3110	2.06	ppb		90
47) benzene	9.639	78	11059	2.42	ppb		99
48) 1,2-dichloroethane	9.137	62	4361m	2.23	ppb		
49) tert-amyl methyl ether	9.761	73	7592	2.13	ppb		94
51) trichloroethene	10.263	95	2897m	2.14	ppb		
52) 1,2-dichloropropane	10.231	63	3312	2.21	ppb		91
53) dibromomethane	10.202	93	1664	2.04	ppb		76
54) bromodichloromethane	10.317	83	3848	2.15	ppb		98
59) cis-1,3-dichloropropene	10.945	75	3860	1.91	ppb		96
62) toluene	11.726	92	5788	2.07	ppb		82
63) trans-1,3-dichloropropene	11.372	75	3501	1.98	ppb		98
64) 1,1,2-trichloroethane	11.540	83	2106	2.24	ppb		92
67) tetrachloroethene	12.465	166	2953	2.38	ppb		98
69) dibromochloromethane	12.067	129	2416	1.95	ppb		95
70) 1,2-dibromoethane	12.321	107	2295	2.05	ppb		85
72) chlorobenzene	13.145	112	7534	2.30	ppb		95
73) 1,1,1,2-tetrachloroethane	13.063	131	2574	2.14	ppb		93
74) ethylbenzene	13.333	91	12469	2.23	ppb		91

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16805.D
Acq On : 13 Dec 2013 7:23 pm
Operator : garyk
Sample : ic801-2
Misc : ms30755,msu801,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 16 09:41:54 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

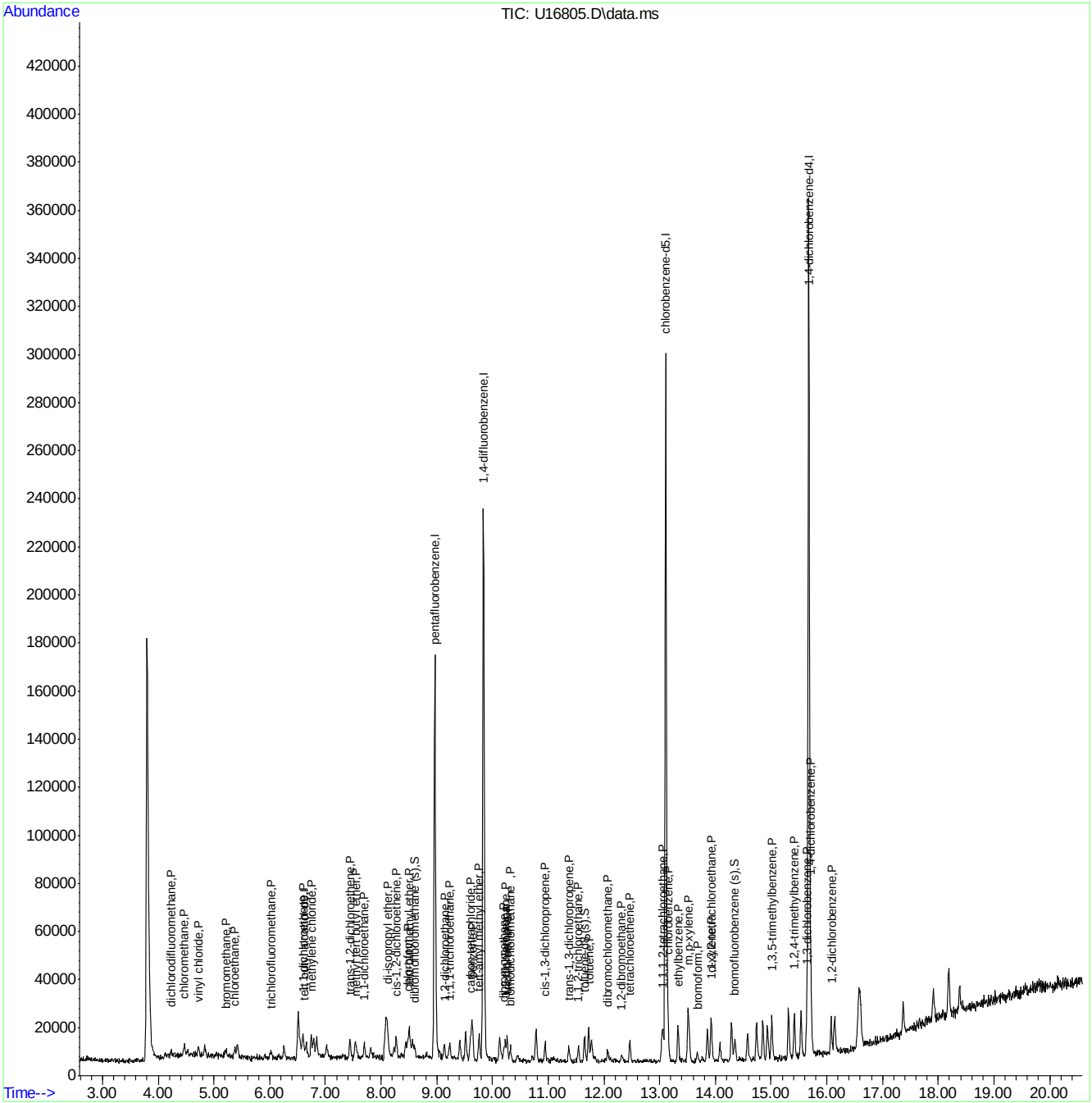
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
75) m,p-xylene	13.517	106	9159	4.25	ppb	#	80
76) o-xylene	13.927	106	4690	2.12	ppb		98
78) bromoform	13.678	173	1797	1.79	ppb		79
84) 1,1,2,2-tetrachloroethane	13.932	83	3257	2.23	ppb		90
89) 1,3,5-trimethylbenzene	15.013	105	10623m	2.02	ppb		
91) 1,2,4-trimethylbenzene	15.419	105	11085m	2.12	ppb		
93) 1,3-dichlorobenzene	15.640	146	7377	2.22	ppb		95
95) 1,4-dichlorobenzene	15.705	146	7110	2.17	ppb		96
96) 1,2-dichlorobenzene	16.081	146	6730	2.01	ppb		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16805.D
Acq On : 13 Dec 2013 7:23 pm
Operator : garyk
Sample : ic801-2
Misc : ms30755,msu801,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 16 09:41:54 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/16/13 10:28

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16806.D
Acq On : 13 Dec 2013 7:51 pm
Operator : garyk
Sample : ic801-5
Misc : ms30755,msu801,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 16 09:42:22 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.607	65	56202m	500.00	ppb		0.06
4) pentafluorobenzene	8.967	168	113635	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.841	114	175025	50.00	ppb		0.00
66) chlorobenzene-d5	13.109	82	94673	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.675	152	100515	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.603	113	5131	5.20	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.40%#				
60) toluene-d8 (s)	11.650	98	17258	5.11	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.22%#				
82) bromofluorobenzene (s)	14.345	95	8013	5.18	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.36%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.261	59	6344	50.49	ppb		95
3) Ethanol	5.416	45	5302	270.39	ppb	#	39
5) dichlorodifluoromethane	4.232	85	6508	3.84	ppb		91
6) chloromethane	4.471	50	11643	4.72	ppb		98
7) vinyl chloride	4.725	62	8407	4.21	ppb		91
8) bromomethane	5.212	96	3888	5.49	ppb	#	63
9) chloroethane	5.376	64	3576	4.63	ppb		79
10) ethyl ether	6.261	59	6344	5.45	ppb		83
11) acetonitrile	5.920	41	2566	5.39	ppb		85
12) trichlorofluoromethane	6.029	101	8530	4.03	ppb		91
13) freon-113	6.795	101	5576	4.97	ppb		99
14) acrolein	6.011	56	1810	19.39	ppb		92
15) 1,1-dichloroethene	6.598	96	6069	5.70	ppb		94
16) acetone	6.155	58	966m	5.48	ppb		
17) Methyl Acetate	6.796	43	11143	4.96	ppb	#	93
18) methylene chloride	6.751	84	6594	5.28	ppb		89
19) methyl tert butyl ether	7.545	73	16892	4.93	ppb		87
20) acrylonitrile	6.662	53	3079	4.24	ppb		91
21) allyl chloride	6.846	41	13596	4.68	ppb		100
22) trans-1,2-dichloroethene	7.444	96	6370	5.40	ppb		93
23) iodomethane	6.659	142	8896	5.29	ppb		91
24) carbon disulfide	7.028	76	16894	5.05	ppb		99
25) propionitrile	8.071	54	571m	4.15	ppb		
26) vinyl acetate	7.815	43	19173	4.87	ppb		99
27) chloroprene	8.070	53	13166	5.03	ppb		85
28) di-isopropyl ether	8.116	45	32313	4.88	ppb		87
29) methacrylonitrile	8.229	41	5373	4.47	ppb		83
30) 2-butanone	8.135	72	582m	3.49	ppb		
31) Ethyl Acetate	8.110	43	27805	4.91	ug/L		95
32) Hexane	8.098	41	14713	5.16	ppb	#	61
33) 1,1-dichloroethane	7.700	63	13453	5.03	ppb		99
34) tert-butyl ethyl ether	8.510	59	23376	4.81	ppb		93
35) isobutyl alcohol	8.528	43	5019	23.37	ppb	#	27
36) 2,2-dichloropropane	8.562	77	6924	5.39	ppb		80

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16806.D
Acq On : 13 Dec 2013 7:51 pm
Operator : garyk
Sample : ic801-5
Misc : ms30755,msu801,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 16 09:42:22 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	8.276	96	7695	5.74	ppb		95
38) bromochloromethane	8.441	128	3409	5.37	ppb	#	76
39) chloroform	8.481	83	12619m	6.77	ppb		
41) Tetrahydrofuran	8.824	42	2876	4.96	ppb		95
42) 1,1,1-trichloroethane	9.234	97	9991	5.23	ppb		89
44) Cyclohexane	9.519	56	13976	5.12	ppb		96
45) carbon tetrachloride	9.599	117	7266	4.82	ppb		96
46) 1,1-dichloropropene	9.413	75	8472	5.19	ppb		83
47) benzene	9.639	78	25235	5.54	ppb		98
48) 1,2-dichloroethane	9.137	62	10431	5.36	ppb		96
49) tert-amyl methyl ether	9.760	73	17670	4.98	ppb		86
50) heptane	9.760	43	8725	4.97	ppb		90
51) trichloroethene	10.262	95	7101	5.25	ppb		91
52) 1,2-dichloropropane	10.230	63	7623	5.10	ppb		95
53) dibromomethane	10.202	93	4461	5.48	ppb	#	51
54) bromodichloromethane	10.317	83	9260	5.19	ppb		84
55) Methylcyclohexane	10.782	83	10634	5.08	ppb	#	80
56) 2-chloroethyl vinyl ether	10.708	63	2489	4.42	ppb	#	49
57) methyl methacrylate	10.436	69	3327	4.41	ppb	#	66
59) cis-1,3-dichloropropene	10.942	75	9847	4.89	ppb		91
61) 4-methyl-2-pentanone	11.080	43	8115	4.44	ppb	#	75
62) toluene	11.722	92	14097	5.06	ppb		87
63) trans-1,3-dichloropropene	11.366	75	8402	4.77	ppb		87
64) 1,1,2-trichloroethane	11.537	83	4564	4.87	ppb		95
65) ethyl methacrylate	11.769	69	6397	4.21	ppb	#	1
67) tetrachloroethene	12.463	166	7418	5.87	ppb		89
68) 1,3-dichloropropane	11.776	76	9757	5.43	ppb		100
69) dibromochloromethane	12.063	129	6052	4.80	ppb		87
70) 1,2-dibromoethane	12.317	107	5798	5.09	ppb		98
72) chlorobenzene	13.145	112	18137	5.43	ppb		90
73) 1,1,1,2-tetrachloroethane	13.061	131	6279	5.12	ppb		98
74) ethylbenzene	13.327	91	29536	5.18	ppb		89
75) m,p-xylene	13.511	106	22402	10.21	ppb		93
76) o-xylene	13.922	106	11567	5.14	ppb		91
77) styrene	13.853	104	18737	5.14	ppb		100
78) bromoform	13.673	173	4616	4.51	ppb		96
79) trans-1,4-dichloro-2-b...	14.082	53	1961	3.49	ppb		88
81) isopropylbenzene	14.288	105	30411	5.00	ppb		94
83) bromobenzene	14.575	156	8610	5.15	ppb		98
84) 1,1,2,2-tetrachloroethane	13.928	83	8094	5.45	ppb		88
85) 1,2,3-trichloropropane	14.081	75	9021	4.74	ppb		96
86) n-propylbenzene	14.735	91	39050	5.12	ppb		92
87) 2-chlorotoluene	14.849	91	24052	5.17	ppb		93
88) 4-chlorotoluene	14.928	91	25168m	5.27	ppb		
89) 1,3,5-trimethylbenzene	15.010	105	26583	4.96	ppb		98
90) tert-butylbenzene	15.313	91	16920	5.22	ppb		99
91) 1,2,4-trimethylbenzene	15.417	105	26897	5.05	ppb		94
92) sec-butylbenzene	15.536	105	35884	4.97	ppb		99
93) 1,3-dichlorobenzene	15.638	146	17287	5.10	ppb		99
94) p-isopropyltoluene	15.713	119	29293	5.10	ppb		94

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16806.D
Acq On : 13 Dec 2013 7:51 pm
Operator : garyk
Sample : ic801-5
Misc : ms30755,msu801,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 16 09:42:22 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

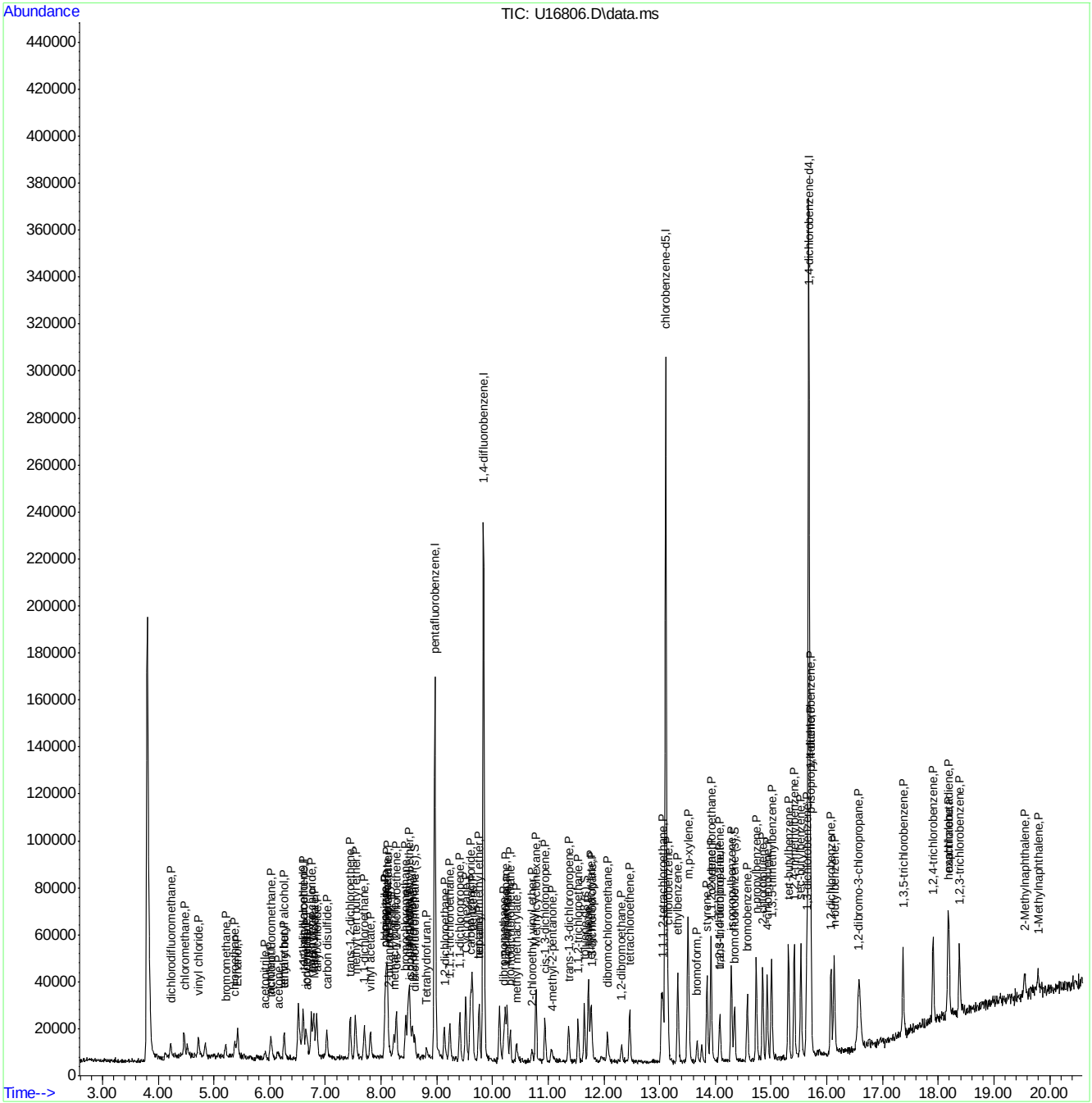
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
95)	1,4-dichlorobenzene	15.704	146	17228	5.17	ppb		98
96)	1,2-dichlorobenzene	16.076	146	17001	4.99	ppb		94
97)	n-butylbenzene	16.138	91	29300	4.88	ppb		99
98)	1,2-dibromo-3-chloropr...	16.563	75	1733	4.78	ppb	#	81
99)	1,3,5-trichlorobenzene	17.370	180	13279	4.99	ug/L		95
100)	1,2,4-trichlorobenzene	17.910	180	12257	4.82	ppb		92
101)	hexachlorobutadiene	18.193	225	6562	5.22	ppb		95
102)	naphthalene	18.178	128	27024	4.77	ppb		100
103)	2-Methylnaphthalene	19.554	142	6289	2.19	ug/L		90
104)	1-Methylnaphthalene	19.794	142	5243m	2.47	ug/L		
105)	1,2,3-trichlorobenzene	18.382	180	11678	5.03	ppb		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16806.D
Acq On : 13 Dec 2013 7:51 pm
Operator : garyk
Sample : ic801-5
Misc : ms30755,msu801,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 16 09:42:22 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/16/13 10:28

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16807.D
Acq On : 13 Dec 2013 8:18 pm
Operator : garyk
Sample : ic801-10
Misc : ms30755,msu801,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 16 09:42:45 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.561	65	56276m	500.00	ppb		0.02
4) pentafluorobenzene	8.967	168	115540	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.840	114	177893	50.00	ppb		0.00
66) chlorobenzene-d5	13.109	82	96871	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.674	152	103389	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.601	113	10386	10.36	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 20.72%#				
60) toluene-d8 (s)	11.648	98	35533	10.34	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 20.68%#				
82) bromofluorobenzene (s)	14.342	95	16249	10.21	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 20.42%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.259	59	11563	91.91	ppb		79
3) Ethanol	5.442	45	15255	776.96	ppb	#	39
5) dichlorodifluoromethane	4.244	85	16733	9.71	ppb		85
6) chloromethane	4.474	50	23985	9.56	ppb		94
7) vinyl chloride	4.729	62	20141	9.93	ppb		91
8) bromomethane	5.215	96	7396	10.26	ppb		98
9) chloroethane	5.380	64	7974	10.16	ppb		96
10) ethyl ether	6.259	59	11563	9.76	ppb		97
11) acetonitrile	5.921	41	4545	9.39	ppb		87
12) trichlorofluoromethane	6.032	101	20433	9.50	ppb		84
13) freon-113	6.799	101	10801	9.47	ppb		88
14) acrolein	6.011	56	4428	46.66	ppb		92
15) 1,1-dichloroethene	6.601	96	10993	10.16	ppb		93
16) acetone	6.150	58	1540	8.59	ppb	#	70
17) Methyl Acetate	6.794	43	22221	9.73	ppb	#	93
18) methylene chloride	6.750	84	12275	9.67	ppb	#	72
19) methyl tert butyl ether	7.546	73	33042	9.48	ppb		92
20) acrylonitrile	6.670	53	7081m	9.59	ppb		
21) allyl chloride	6.845	41	28016	9.49	ppb		86
22) trans-1,2-dichloroethene	7.445	96	11903	9.92	ppb		92
23) iodomethane	6.661	142	16826	9.83	ppb		99
24) carbon disulfide	7.028	76	32569	9.58	ppb		97
25) propionitrile	8.071	54	1169	8.35	ppb		100
26) vinyl acetate	7.810	43	36355	9.08	ppb		96
27) chloroprene	8.069	53	25336	9.53	ppb		86
28) di-isopropyl ether	8.114	45	61589	9.14	ppb		97
29) methacrylonitrile	8.236	41	12649	10.34	ppb		91
30) 2-butanone	8.127	72	1458	8.59	ppb	#	39
31) Ethyl Acetate	8.113	43	58582	10.18	ug/L		91
32) Hexane	8.095	41	28371	9.78	ppb	#	98
33) 1,1-dichloroethane	7.700	63	26064	9.59	ppb		99
34) tert-butyl ethyl ether	8.513	59	44857	9.08	ppb		95
35) isobutyl alcohol	8.534	43	11143m	51.02	ppb		
36) 2,2-dichloropropane	8.562	77	12812	9.80	ppb		88

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16807.D
Acq On : 13 Dec 2013 8:18 pm
Operator : garyk
Sample : ic801-10
Misc : ms30755,msu801,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 16 09:42:45 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	8.273	96	14085	10.34	ppb		96
38) bromochloromethane	8.440	128	6048	9.38	ppb	#	78
39) chloroform	8.481	83	24373m	12.86	ppb		
41) Tetrahydrofuran	8.823	42	5743	9.74	ppb		94
42) 1,1,1-trichloroethane	9.235	97	17987	9.25	ppb		95
44) Cyclohexane	9.521	56	27108	9.77	ppb		93
45) carbon tetrachloride	9.600	117	14403	9.41	ppb		91
46) 1,1-dichloropropene	9.412	75	16724	10.08	ppb		96
47) benzene	9.638	78	48270	10.42	ppb		96
48) 1,2-dichloroethane	9.138	62	19685	9.95	ppb		98
49) tert-amyl methyl ether	9.760	73	34119	9.46	ppb		93
50) heptane	9.761	43	18190	10.19	ppb		88
51) trichloroethene	10.263	95	13793	10.04	ppb		93
52) 1,2-dichloropropane	10.230	63	14775	9.73	ppb		97
53) dibromomethane	10.203	93	8268	9.99	ppb		85
54) bromodichloromethane	10.316	83	17630	9.72	ppb		96
55) Methylcyclohexane	10.781	83	19630	9.23	ppb		88
56) 2-chloroethyl vinyl ether	10.703	63	5356	9.35	ppb	#	80
57) methyl methacrylate	10.428	69	6847	8.94	ppb		97
59) cis-1,3-dichloropropene	10.941	75	19156	9.36	ppb		95
61) 4-methyl-2-pentanone	11.059	43	15586	8.39	ppb	#	82
62) toluene	11.721	92	27092	9.56	ppb		99
63) trans-1,3-dichloropropene	11.365	75	16759	9.37	ppb		92
64) 1,1,2-trichloroethane	11.535	83	9471	9.95	ppb		97
65) ethyl methacrylate	11.759	69	13949	9.03	ppb	#	1
67) tetrachloroethene	12.462	166	12354	9.56	ppb		94
68) 1,3-dichloropropane	11.774	76	17967	9.77	ppb		93
69) dibromochloromethane	12.062	129	12137	9.41	ppb		98
70) 1,2-dibromoethane	12.316	107	11625	9.98	ppb		99
71) 2-hexanone	11.962	43	11984	9.21	ppb	#	62
72) chlorobenzene	13.144	112	33936	9.93	ppb		90
73) 1,1,1,2-tetrachloroethane	13.062	131	12073	9.63	ppb		94
74) ethylbenzene	13.324	91	56511	9.68	ppb		95
75) m,p-xylene	13.508	106	42668	19.00	ppb		97
76) o-xylene	13.920	106	22413	9.73	ppb		88
77) styrene	13.852	104	36342	9.75	ppb		99
78) bromoform	13.672	173	9999	9.54	ppb		93
79) trans-1,4-dichloro-2-b...	14.078	53	4216	7.34	ppb	#	84
81) isopropylbenzene	14.285	105	58791	9.39	ppb		97
83) bromobenzene	14.572	156	16295	9.48	ppb		94
84) 1,1,2,2-tetrachloroethane	13.926	83	15394	10.08	ppb		92
85) 1,2,3-trichloropropane	14.077	75	17560	8.96	ppb		87
86) n-propylbenzene	14.732	91	75092	9.57	ppb		97
87) 2-chlorotoluene	14.847	91	45426	9.49	ppb		89
88) 4-chlorotoluene	14.926	91	46382	9.44	ppb		82
89) 1,3,5-trimethylbenzene	15.008	105	51556	9.35	ppb		97
90) tert-butylbenzene	15.312	91	31449	9.42	ppb		87
91) 1,2,4-trimethylbenzene	15.416	105	51297	9.36	ppb		94
92) sec-butylbenzene	15.535	105	69470	9.35	ppb		98
93) 1,3-dichlorobenzene	15.637	146	34120	9.79	ppb		95

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16807.D
Acq On : 13 Dec 2013 8:18 pm
Operator : garyk
Sample : ic801-10
Misc : ms30755,msu801,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 16 09:42:45 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	p-isopropyltoluene	15.710	119	55415	9.38	ppb	98
95)	1,4-dichlorobenzene	15.703	146	32769	9.55	ppb	97
96)	1,2-dichlorobenzene	16.074	146	33058	9.43	ppb	99
97)	n-butylbenzene	16.132	91	58610	9.50	ppb	98
98)	1,2-dibromo-3-chloropr...	16.562	75	3840m	10.29	ppb	
99)	1,3,5-trichlorobenzene	17.368	180	26644	9.74	ug/L	97
100)	1,2,4-trichlorobenzene	17.907	180	24414	9.33	ppb	98
101)	hexachlorobutadiene	18.193	225	12742	9.86	ppb	80
102)	naphthalene	18.175	128	53938	9.25	ppb	100
103)	2-Methylnaphthalene	19.549	142	13305	4.51	ug/L	93
104)	1-Methylnaphthalene	19.790	142	10442	4.78	ug/L	92
105)	1,2,3-trichlorobenzene	18.380	180	22636	9.48	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

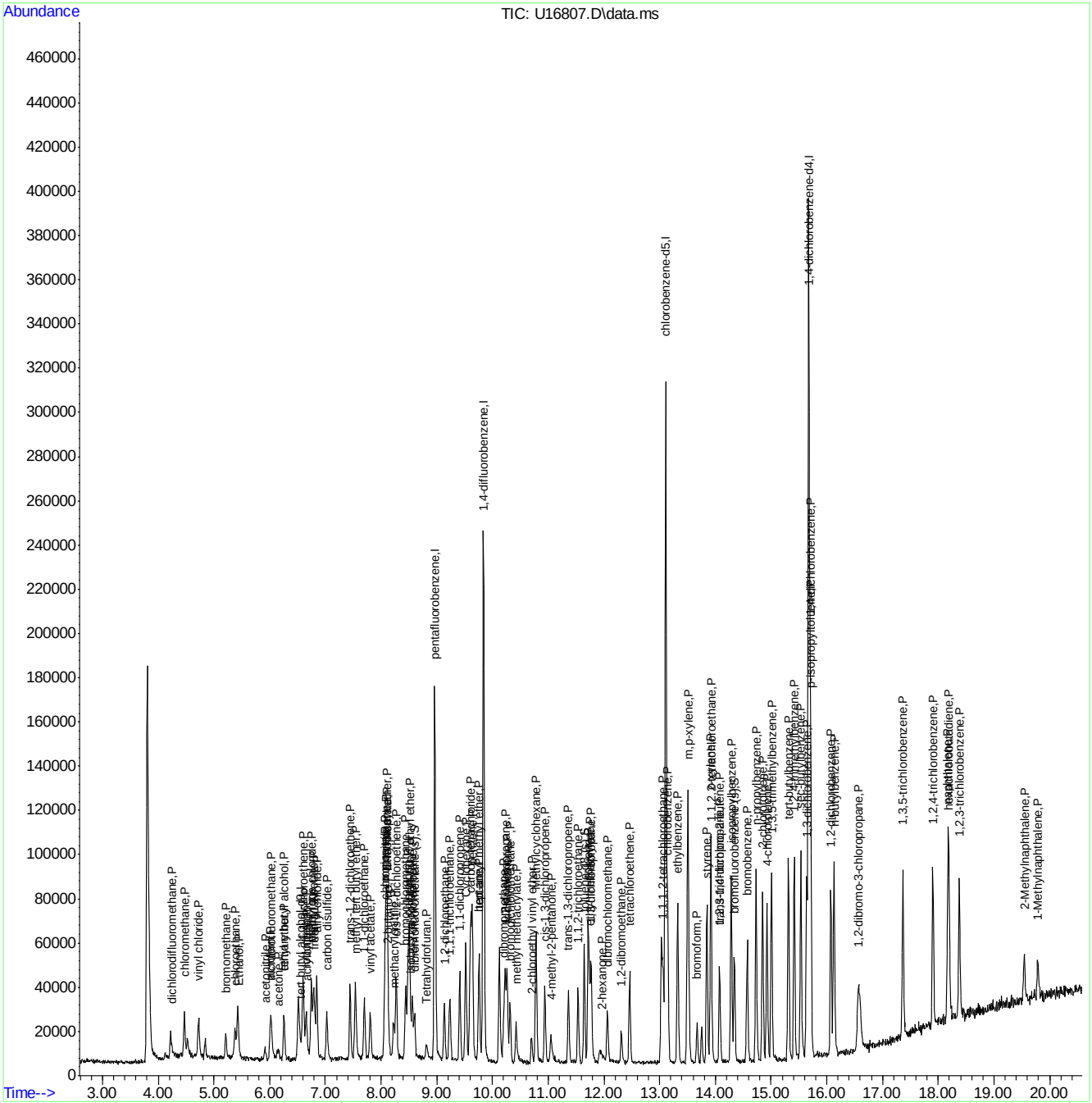
7.6.5

7

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16807.D
Acq On : 13 Dec 2013 8:18 pm
Operator : garyk
Sample : ic801-10
Misc : ms30755,msu801,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 16 09:42:45 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/16/13 10:28

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16808.D
Acq On : 13 Dec 2013 8:44 pm
Operator : garyk
Sample : ic801-25
Misc : ms30755,msu801,,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:43:18 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.552	65	57111	500.00	ppb		0.00
4) pentafluorobenzene	8.966	168	119288	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.839	114	183657	50.00	ppb		0.00
66) chlorobenzene-d5	13.108	82	98428	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.674	152	105903	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.601	113	24607	23.78	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 47.56%#				
60) toluene-d8 (s)	11.646	98	87962	24.80	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 49.60%#				
82) bromofluorobenzene (s)	14.339	95	39156	24.02	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 48.04%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.258	59	27912	218.62	ppb		92
3) Ethanol	5.552	45	47312m	2374.43	ppb		
5) dichlorodifluoromethane	4.246	85	40310	22.66	ppb		97
6) chloromethane	4.475	50	58499	22.58	ppb		94
7) vinyl chloride	4.731	62	49726	23.74	ppb		94
8) bromomethane	5.215	96	17936	24.11	ppb		99
9) chloroethane	5.380	64	19254	23.75	ppb		87
10) ethyl ether	6.258	59	27912	22.82	ppb		92
11) acetonitrile	5.922	41	10351	20.71	ppb		83
12) trichlorofluoromethane	6.037	101	51251	23.08	ppb		95
13) freon-113	6.798	101	25714	21.83	ppb		95
14) acrolein	6.014	56	10818m	110.42	ppb		
15) 1,1-dichloroethene	6.601	96	23918	21.41	ppb	#	73
16) acetone	6.158	58	4740	25.60	ppb	#	78
17) Methyl Acetate	6.793	43	53762	22.79	ppb	#	87
18) methylene chloride	6.751	84	29894	22.82	ppb	#	77
19) methyl tert butyl ether	7.544	73	81184	22.57	ppb		93
20) acrylonitrile	6.663	53	16786	22.01	ppb		95
21) allyl chloride	6.845	41	65413	21.45	ppb		94
22) trans-1,2-dichloroethene	7.444	96	26762	21.60	ppb		99
23) iodomethane	6.659	142	40646	23.01	ppb		95
24) carbon disulfide	7.028	76	76933	21.93	ppb		97
25) propionitrile	8.064	54	2952m	20.42	ppb		
26) vinyl acetate	7.806	43	90766	21.97	ppb		95
27) chloroprene	8.067	53	60713	22.12	ppb		88
28) di-isopropyl ether	8.113	45	155017	22.29	ppb		97
29) methacrylonitrile	8.228	41	27300	21.62	ppb		93
30) 2-butanone	8.124	72	3902m	22.26	ppb		
31) Ethyl Acetate	8.107	43	134464	22.63	ug/L		95
32) Hexane	8.094	41	68247	22.80	ppb	#	91
33) 1,1-dichloroethane	7.699	63	60976	21.73	ppb		98
34) tert-butyl ethyl ether	8.511	59	110927	21.75	ppb		96
35) isobutyl alcohol	8.527	43	24506m	108.69	ppb		
36) 2,2-dichloropropane	8.561	77	30375	22.51	ppb		100

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16808.D
Acq On : 13 Dec 2013 8:44 pm
Operator : garyk
Sample : ic801-25
Misc : ms30755,msu801,,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:43:18 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	8.272	96	31118	22.12	ppb		88
38) bromochloromethane	8.440	128	14734	22.13	ppb	#	73
39) chloroform	8.481	83	57362m	29.32	ppb		
41) Tetrahydrofuran	8.821	42	13362	21.95	ppb		86
42) 1,1,1-trichloroethane	9.235	97	43628	21.74	ppb		93
44) Cyclohexane	9.520	56	64999	22.70	ppb	#	86
45) carbon tetrachloride	9.599	117	35260	22.30	ppb		97
46) 1,1-dichloropropene	9.411	75	38495	22.47	ppb		93
47) benzene	9.636	78	112964	23.62	ppb		97
48) 1,2-dichloroethane	9.136	62	47046	23.03	ppb		97
49) tert-amyl methyl ether	9.759	73	83052	22.30	ppb		88
50) heptane	9.759	43	43109	23.40	ppb		86
51) trichloroethene	10.261	95	32681	23.04	ppb		98
52) 1,2-dichloropropane	10.227	63	35475	22.63	ppb		96
53) dibromomethane	10.201	93	19624	22.97	ppb		94
54) bromodichloromethane	10.315	83	42204	22.54	ppb		96
55) Methylcyclohexane	10.782	83	50046	22.80	ppb		87
56) 2-chloroethyl vinyl ether	10.699	63	13742	23.23	ppb		96
57) methyl methacrylate	10.419	69	17738	22.43	ppb		83
58) 1,4-dioxane	10.429	88	607m	92.15	ppb		
59) cis-1,3-dichloropropene	10.939	75	48226	22.81	ppb		97
61) 4-methyl-2-pentanone	11.054	43	43895	22.89	ppb		89
62) toluene	11.718	92	66248	22.65	ppb		92
63) trans-1,3-dichloropropene	11.361	75	40963	22.18	ppb		91
64) 1,1,2-trichloroethane	11.533	83	22477	22.87	ppb		94
65) ethyl methacrylate	11.748	69	35775	22.44	ppb	#	63
67) tetrachloroethene	12.461	166	30613	23.31	ppb		90
68) 1,3-dichloropropane	11.771	76	43340	23.18	ppb		93
69) dibromochloromethane	12.060	129	30321	23.14	ppb		98
70) 1,2-dibromoethane	12.312	107	28250	23.87	ppb		94
71) 2-hexanone	11.931	43	31309	23.67	ppb		91
72) chlorobenzene	13.143	112	80118	23.08	ppb		97
73) 1,1,1,2-tetrachloroethane	13.061	131	29108	22.85	ppb		96
74) ethylbenzene	13.321	91	135379	22.82	ppb		99
75) m,p-xylene	13.505	106	105946	46.42	ppb		96
76) o-xylene	13.918	106	54844	23.43	ppb		86
77) styrene	13.845	104	86977	22.96	ppb		99
78) bromoform	13.670	173	24247	22.78	ppb		90
79) trans-1,4-dichloro-2-b...	14.073	53	12203	20.92	ppb	#	87
81) isopropylbenzene	14.282	105	145741	22.73	ppb		97
83) bromobenzene	14.570	156	39732	22.56	ppb		89
84) 1,1,2,2-tetrachloroethane	13.923	83	36028	23.03	ppb		99
85) 1,2,3-trichloropropane	14.073	75	44094	21.97	ppb		97
86) n-propylbenzene	14.728	91	181139	22.55	ppb		98
87) 2-chlorotoluene	14.846	91	109739	22.38	ppb		98
88) 4-chlorotoluene	14.923	91	115013	22.85	ppb		96
89) 1,3,5-trimethylbenzene	15.006	105	128677	22.78	ppb		100
90) tert-butylbenzene	15.311	91	78449	22.95	ppb		98
91) 1,2,4-trimethylbenzene	15.415	105	129125	23.00	ppb		99
92) sec-butylbenzene	15.534	105	173070	22.74	ppb		97

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16808.D
Acq On : 13 Dec 2013 8:44 pm
Operator : garyk
Sample : ic801-25
Misc : ms30755,msu801,,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:43:18 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

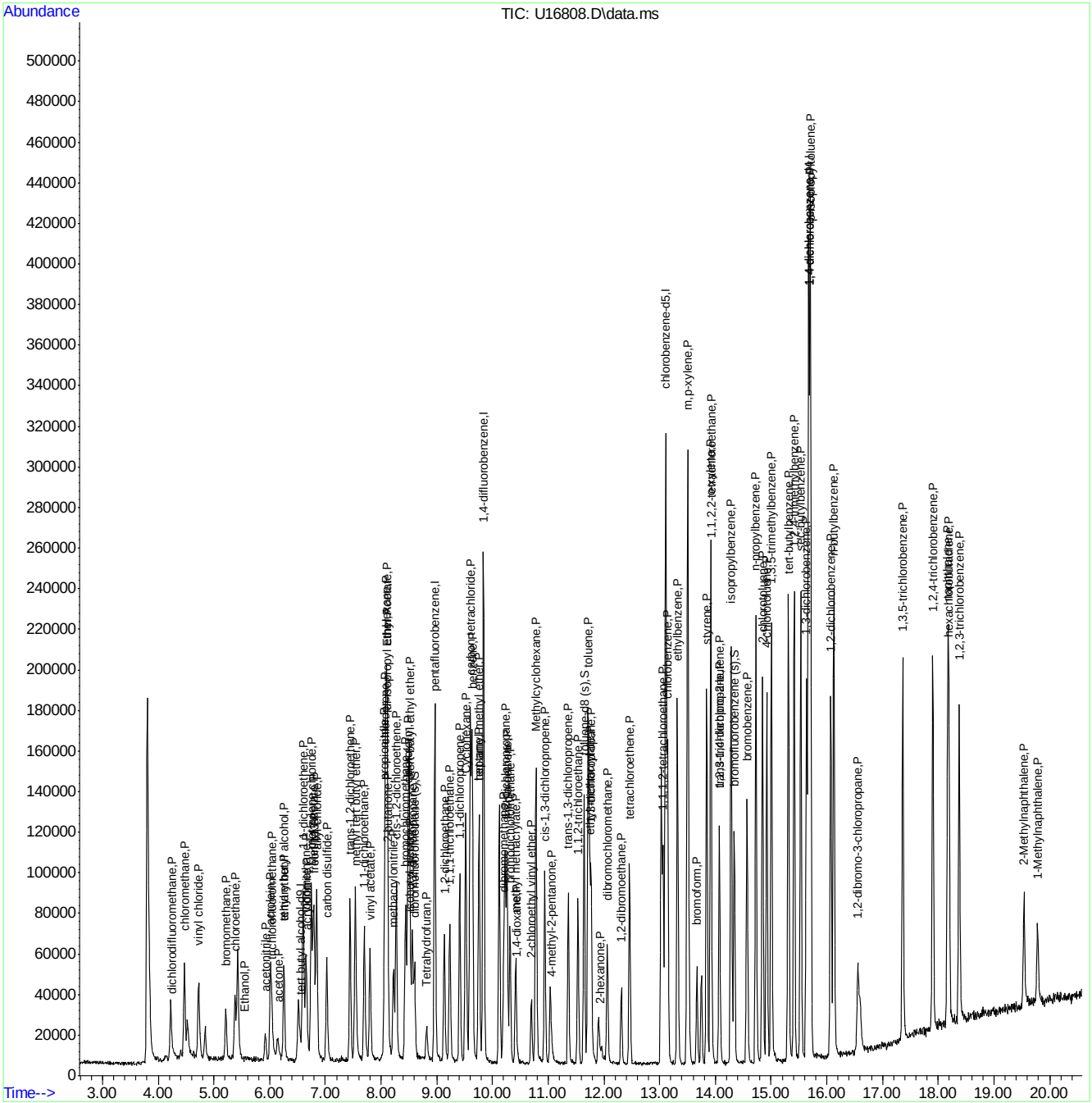
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.636	146	80625	22.58	ppb	98
94)	p-isopropyltoluene	15.707	119	136831	22.62	ppb	99
95)	1,4-dichlorobenzene	15.702	146	80256	22.84	ppb	95
96)	1,2-dichlorobenzene	16.072	146	78850	21.96	ppb	94
97)	n-butylbenzene	16.128	91	143748	22.74	ppb	98
98)	1,2-dibromo-3-chloropr...	16.555	75	8475	22.17	ppb	88
99)	1,3,5-trichlorobenzene	17.365	180	65397	23.34	ug/L	99
100)	1,2,4-trichlorobenzene	17.905	180	61088	22.79	ppb	99
101)	hexachlorobutadiene	18.193	225	31792	24.01	ppb	96
102)	naphthalene	18.172	128	132051	22.11	ppb	100
103)	2-Methylnaphthalene	19.543	142	32481	10.75	ug/L	98
104)	1-Methylnaphthalene	19.787	142	25197	11.26	ug/L	98
105)	1,2,3-trichlorobenzene	18.377	180	54688	22.37	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16808.D
Acq On : 13 Dec 2013 8:44 pm
Operator : garyk
Sample : ic801-25
Misc : ms30755,msu801,,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 09:43:18 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration



U16809.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski 12/16/13 10:28

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16809.D
Acq On : 13 Dec 2013 9:11 pm
Operator : garyk
Sample : icc801-50
Misc : ms30755,msu801,,,,5,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 16 09:43:44 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.561	65	57432m	500.00	ppb		0.02
4) pentafluorobenzene	8.965	168	117633	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.840	114	189255	50.00	ppb		0.00
66) chlorobenzene-d5	13.108	82	102551	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.674	152	107420	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.601	113	51030	50.00	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.00%				
60) toluene-d8 (s)	11.645	98	182729	50.00	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.00%				
82) bromofluorobenzene (s)	14.338	95	82678	50.00	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.00%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.257	59	60303	469.68	ppb		85
3) Ethanol	5.541	45	94113m	4696.82	ppb		
5) dichlorodifluoromethane	4.249	85	87695	50.00	ppb		96
6) chloromethane	4.483	50	127722	50.00	ppb		98
7) vinyl chloride	4.732	62	103277	50.00	ppb		100
8) bromomethane	5.215	96	36679	50.00	ppb		94
9) chloroethane	5.380	64	39966	50.00	ppb		98
10) ethyl ether	6.257	59	60303	50.00	ppb		97
11) acetonitrile	5.921	41	24645	50.00	ppb		79
12) trichlorofluoromethane	6.042	101	109481	50.00	ppb		100
13) freon-113	6.800	101	58073	50.00	ppb		95
14) acrolein	6.014	56	24154	250.00	ppb		92
15) 1,1-dichloroethene	6.603	96	55092	50.00	ppb		87
16) acetone	6.152	58	9260m	50.71	ppb		
17) Methyl Acetate	6.794	43	116302	50.00	ppb	#	89
18) methylene chloride	6.752	84	64596	50.00	ppb	#	71
19) methyl tert butyl ether	7.547	73	177370	50.00	ppb		93
20) acrylonitrile	6.661	53	35934	47.78	ppb		90
21) allyl chloride	6.845	41	150354	50.00	ppb		90
22) trans-1,2-dichloroethene	7.445	96	61096	50.00	ppb		95
23) iodomethane	6.660	142	87112	50.00	ppb		95
24) carbon disulfide	7.030	76	172991	50.00	ppb		97
25) propionitrile	8.069	54	7127	50.00	ppb		100
26) vinyl acetate	7.803	43	203726	50.00	ppb		96
27) chloroprene	8.067	53	135362	50.00	ppb		87
28) di-isopropyl ether	8.112	45	342846	50.00	ppb		97
29) methacrylonitrile	8.229	41	62268	50.00	ppb		92
30) 2-butanone	8.118	72	8643	50.00	ppb	#	1
31) Ethyl Acetate	8.104	43	292976	50.00	ug/L		94
32) Hexane	8.093	41	147616	50.00	ppb	#	93
33) 1,1-dichloroethane	7.699	63	138343	50.00	ppb		99
34) tert-butyl ethyl ether	8.513	59	251418	50.00	ppb		97
35) isobutyl alcohol	8.536	43	55586	250.00	ppb		82
36) 2,2-dichloropropane	8.563	77	66535	50.00	ppb		91

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16809.D
Acq On : 13 Dec 2013 9:11 pm
Operator : garyk
Sample : icc801-50
Misc : ms30755,msu801,,,,5,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 16 09:43:44 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	8.273	96	69376	50.00	ppb		95
38) bromochloromethane	8.440	128	32832	50.00	ppb	#	83
39) chloroform	8.481	83	125562m	65.09	ppb		
41) Tetrahydrofuran	8.821	42	30014	50.00	ppb		83
42) 1,1,1-trichloroethane	9.236	97	98961	50.00	ppb		92
44) Cyclohexane	9.520	56	147549	50.00	ppb		90
45) carbon tetrachloride	9.601	117	81461	50.00	ppb		99
46) 1,1-dichloropropene	9.411	75	88254	50.00	ppb		97
47) benzene	9.636	78	246422	50.00	ppb		99
48) 1,2-dichloroethane	9.136	62	105235	50.00	ppb		97
49) tert-amyl methyl ether	9.764	73	191849	50.00	ppb		92
50) heptane	9.760	43	94934	50.00	ppb		91
51) trichloroethene	10.261	95	73086	50.00	ppb		99
52) 1,2-dichloropropane	10.227	63	80766	50.00	ppb		98
53) dibromomethane	10.201	93	44015	50.00	ppb		89
54) bromodichloromethane	10.315	83	96458	50.00	ppb		97
55) Methylcyclohexane	10.782	83	113071	50.00	ppb		96
56) 2-chloroethyl vinyl ether	10.695	63	30474	50.00	ppb		96
57) methyl methacrylate	10.416	69	40749	50.00	ppb	#	74
58) 1,4-dioxane	10.429	88	1697m	250.00	ppb		
59) cis-1,3-dichloropropene	10.937	75	108914	50.00	ppb		100
61) 4-methyl-2-pentanone	11.046	43	98812	50.00	ppb		90
62) toluene	11.717	92	150725	50.00	ppb		93
63) trans-1,3-dichloropropene	11.360	75	95172	50.00	ppb		94
64) 1,1,2-trichloroethane	11.532	83	50628	50.00	ppb		97
65) ethyl methacrylate	11.743	69	82149	50.00	ppb	#	72
67) tetrachloroethene	12.461	166	68422	50.00	ppb		94
68) 1,3-dichloropropane	11.769	76	97384	50.00	ppb		94
69) dibromochloromethane	12.059	129	68272	50.00	ppb		96
70) 1,2-dibromoethane	12.312	107	61644	50.00	ppb		96
71) 2-hexanone	11.911	43	68895	50.00	ppb		94
72) chlorobenzene	13.142	112	180807	50.00	ppb		98
73) 1,1,1,2-tetrachloroethane	13.062	131	66359	50.00	ppb		97
74) ethylbenzene	13.319	91	309032	50.00	ppb		98
75) m,p-xylene	13.504	106	237779	100.00	ppb		96
76) o-xylene	13.917	106	121928	50.00	ppb		99
77) styrene	13.844	104	197319	50.00	ppb		95
78) bromoform	13.669	173	55456	50.00	ppb		99
79) trans-1,4-dichloro-2-b...	14.070	53	30394	50.00	ppb		98
81) isopropylbenzene	14.281	105	325181	50.00	ppb		100
83) bromobenzene	14.569	156	89307	50.00	ppb		93
84) 1,1,2,2-tetrachloroethane	13.922	83	79333	50.00	ppb		99
85) 1,2,3-trichloropropane	14.071	75	101783	50.00	ppb		95
86) n-propylbenzene	14.727	91	407433	50.00	ppb		99
87) 2-chlorotoluene	14.845	91	248648	50.00	ppb		98
88) 4-chlorotoluene	14.921	91	255253	50.00	ppb		99
89) 1,3,5-trimethylbenzene	15.005	105	286465	50.00	ppb		99
90) tert-butylbenzene	15.311	91	173347	50.00	ppb		93
91) 1,2,4-trimethylbenzene	15.414	105	284747	50.00	ppb		97
92) sec-butylbenzene	15.534	105	385919	50.00	ppb		99

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16809.D
Acq On : 13 Dec 2013 9:11 pm
Operator : garyk
Sample : icc801-50
Misc : ms30755,msu801,,,,5,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 16 09:43:44 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

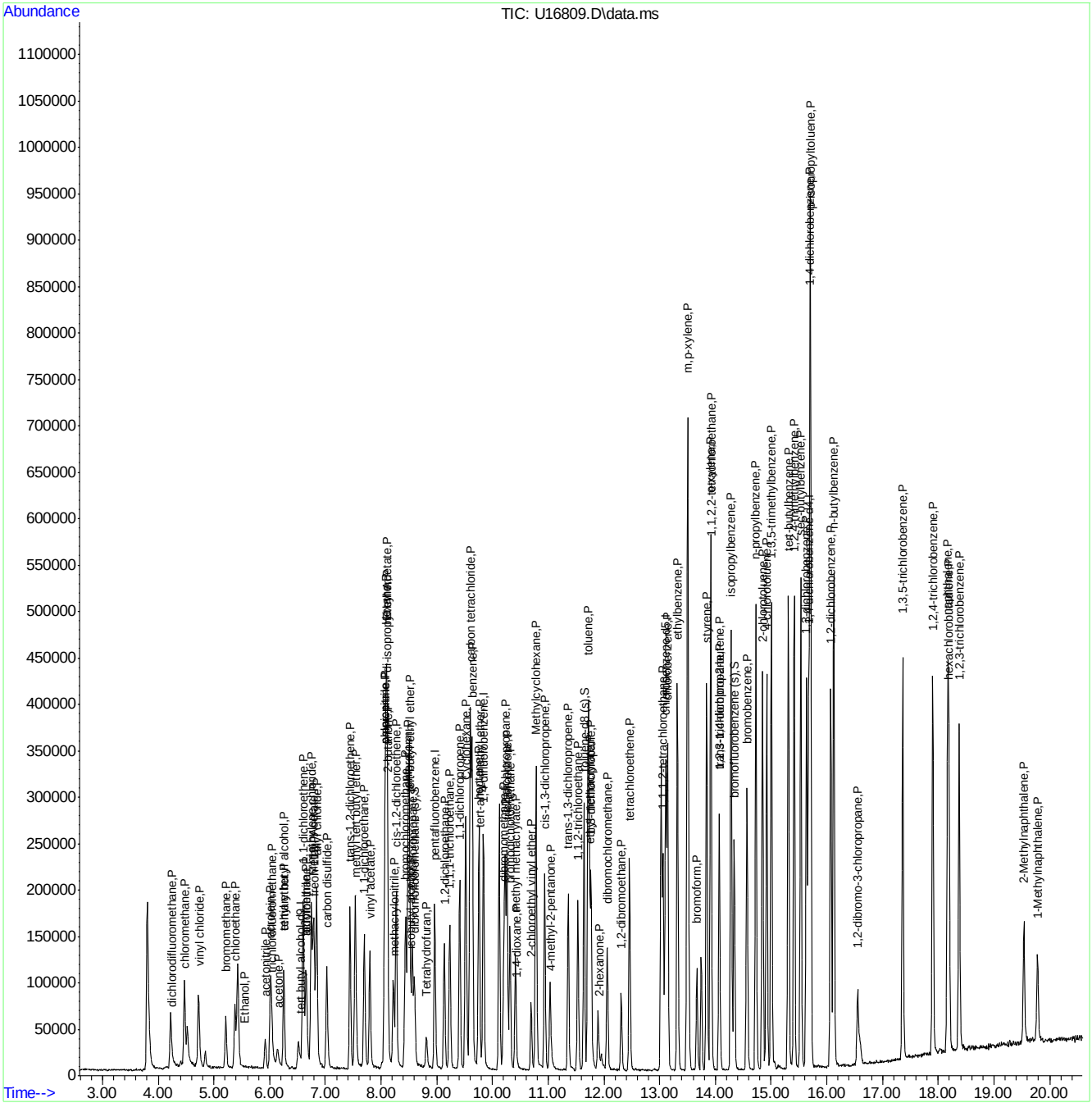
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.635	146	181059	50.00	ppb	98
94) p-isopropyltoluene	15.706	119	306753	50.00	ppb	97
95) 1,4-dichlorobenzene	15.702	146	178233	50.00	ppb	97
96) 1,2-dichlorobenzene	16.071	146	182071	50.00	ppb	100
97) n-butylbenzene	16.126	91	320579	50.00	ppb	100
98) 1,2-dibromo-3-chloropr...	16.553	75	19389	50.00	ppb	87
99) 1,3,5-trichlorobenzene	17.364	180	142095	50.00	ug/L	98
100) 1,2,4-trichlorobenzene	17.904	180	135966	50.00	ppb	97
101) hexachlorobutadiene	18.193	225	67146	50.00	ppb	99
102) naphthalene	18.170	128	302893	50.00	ppb	100
103) 2-Methylnaphthalene	19.540	142	76651	25.00	ug/L	96
104) 1-Methylnaphthalene	19.786	142	56763	25.00	ug/L	97
105) 1,2,3-trichlorobenzene	18.377	180	124000	50.00	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16809.D
Acq On : 13 Dec 2013 9:11 pm
Operator : garyk
Sample : icc801-50
Misc : ms30755,msu801,,,,5,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 16 09:43:44 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/16/13 10:28

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16810.D
Acq On : 13 Dec 2013 9:38 pm
Operator : garyk
Sample : ic801-100
Misc : ms30755,msu801,,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:44:09 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.559	65	57169	500.00	ppb		0.01
4) pentafluorobenzene	8.964	168	120385	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.839	114	188314	50.00	ppb		0.00
66) chlorobenzene-d5	13.107	82	101387	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.674	152	106103	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.600	113	108081	103.48	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 206.96%#				
60) toluene-d8 (s)	11.644	98	399743	109.93	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 219.86%#				
82) bromofluorobenzene (s)	14.337	95	172373	105.54	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 211.08%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.257	59	125608	982.81	ppb		92
3) Ethanol	5.534	45	202506m	10152.80	ppb		
5) dichlorodifluoromethane	4.250	85	172024	95.84	ppb		97
6) chloromethane	4.481	50	249917	95.60	ppb		96
7) vinyl chloride	4.734	62	212216	100.39	ppb		95
8) bromomethane	5.217	96	76508	101.91	ppb		97
9) chloroethane	5.381	64	85832	104.93	ppb		98
10) ethyl ether	6.257	59	125608	101.77	ppb		92
11) acetonitrile	5.922	41	52839	104.75	ppb		89
12) trichlorofluoromethane	6.045	101	226853	101.24	ppb		96
13) freon-113	6.802	101	113740	95.69	ppb		95
14) acrolein	6.014	56	51523	521.09	ppb		100
15) 1,1-dichloroethene	6.602	96	111284	98.69	ppb		86
16) acetone	6.148	58	16518m	88.38	ppb		
17) Methyl Acetate	6.794	43	234690	98.59	ppb	#	93
18) methylene chloride	6.751	84	129691	98.09	ppb	#	79
19) methyl tert butyl ether	7.550	73	356999	98.34	ppb		93
20) acrylonitrile	6.663	53	70319	91.36	ppb		87
21) allyl chloride	6.844	41	302183	98.19	ppb		89
22) trans-1,2-dichloroethene	7.444	96	122021	97.58	ppb		93
23) iodomethane	6.662	142	180537	101.25	ppb		96
24) carbon disulfide	7.030	76	348678	98.48	ppb		100
25) propionitrile	8.066	54	14676	100.61	ppb		100
26) vinyl acetate	7.799	43	410296	98.40	ppb		96
27) chloroprene	8.065	53	274665	99.14	ppb		91
28) di-isopropyl ether	8.111	45	680596	96.99	ppb		97
29) methacrylonitrile	8.228	41	125615	98.56	ppb		92
30) 2-butanone	8.119	72	16171	91.41	ppb	#	1
31) Ethyl Acetate	8.104	43	579217	96.59	ug/L		94
32) Hexane	8.091	41	294642	97.52	ppb	#	89
33) 1,1-dichloroethane	7.699	63	273992	96.76	ppb		97
34) tert-butyl ethyl ether	8.513	59	497417	96.66	ppb		98
35) isobutyl alcohol	8.531	43	104423	458.91	ppb		85
36) 2,2-dichloropropane	8.561	77	127650	93.73	ppb		100

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16810.D
Acq On : 13 Dec 2013 9:38 pm
Operator : garyk
Sample : ic801-100
Misc : ms30755,msu801,,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:44:09 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	8.273	96	139449	98.20	ppb		94
38) bromochloromethane	8.440	128	65279	97.14	ppb	#	84
39) chloroform	8.481	83	253913m	128.61	ppb		
41) Tetrahydrofuran	8.821	42	60499	98.48	ppb		92
42) 1,1,1-trichloroethane	9.236	97	197375	97.44	ppb		96
44) Cyclohexane	9.522	56	294099m	100.16	ppb		
45) carbon tetrachloride	9.600	117	162207	100.06	ppb		98
46) 1,1-dichloropropene	9.411	75	181444	103.31	ppb		98
47) benzene	9.636	78	494871	100.91	ppb		96
48) 1,2-dichloroethane	9.135	62	212619	101.53	ppb		99
49) tert-amyl methyl ether	9.763	73	375797	98.43	ppb		89
50) heptane	9.763	43	194874	103.15	ppb		91
51) trichloroethene	10.261	95	151190	103.95	ppb		99
52) 1,2-dichloropropane	10.227	63	162769	101.27	ppb		99
53) dibromomethane	10.201	93	89384	102.05	ppb		91
54) bromodichloromethane	10.315	83	193853	100.99	ppb		98
55) Methylcyclohexane	10.782	83	227792	101.23	ppb		93
56) 2-chloroethyl vinyl ether	10.696	63	65791	108.49	ppb		98
57) methyl methacrylate	10.413	69	83560	103.04	ppb		82
58) 1,4-dioxane	10.438	88	4209	623.16	ppb		77
59) cis-1,3-dichloropropene	10.937	75	226456	104.48	ppb		99
61) 4-methyl-2-pentanone	11.037	43	193288	98.29	ppb		92
62) toluene	11.716	92	304831	101.63	ppb		97
63) trans-1,3-dichloropropene	11.358	75	195614	103.28	ppb		94
64) 1,1,2-trichloroethane	11.531	83	101614	100.86	ppb		96
65) ethyl methacrylate	11.740	69	163750	100.16	ppb		78
67) tetrachloroethene	12.460	166	140230	103.65	ppb		94
68) 1,3-dichloropropane	11.768	76	197713	102.68	ppb		95
69) dibromochloromethane	12.059	129	140800	104.30	ppb		96
70) 1,2-dibromoethane	12.311	107	124218	101.91	ppb		98
71) 2-hexanone	11.902	43	137758	101.12	ppb		95
72) chlorobenzene	13.142	112	364283	101.89	ppb		99
73) 1,1,1,2-tetrachloroethane	13.062	131	130569	99.51	ppb		99
74) ethylbenzene	13.318	91	614702	100.60	ppb		97
75) m,p-xylene	13.503	106	475215	202.15	ppb		98
76) o-xylene	13.917	106	242323	100.51	ppb		99
77) styrene	13.843	104	398023	102.02	ppb		98
78) bromoform	13.669	173	113164	103.20	ppb		95
79) trans-1,4-dichloro-2-b...	14.069	53	62663	104.27	ppb		94
81) isopropylbenzene	14.281	105	647404	100.78	ppb		98
83) bromobenzene	14.568	156	175418	99.43	ppb		91
84) 1,1,2,2-tetrachloroethane	13.921	83	152562	97.35	ppb		95
85) 1,2,3-trichloropropane	14.070	75	200601	99.77	ppb		98
86) n-propylbenzene	14.727	91	808560	100.46	ppb		99
87) 2-chlorotoluene	14.845	91	489515	99.66	ppb		92
88) 4-chlorotoluene	14.920	91	511303	101.40	ppb		99
89) 1,3,5-trimethylbenzene	15.004	105	565804	99.98	ppb		100
90) tert-butylbenzene	15.310	91	343908	100.43	ppb		99
91) 1,2,4-trimethylbenzene	15.414	105	574552	102.14	ppb		96
92) sec-butylbenzene	15.533	105	760376	99.74	ppb		98

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16810.D
Acq On : 13 Dec 2013 9:38 pm
Operator : garyk
Sample : ic801-100
Misc : ms30755,msu801,,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:44:09 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

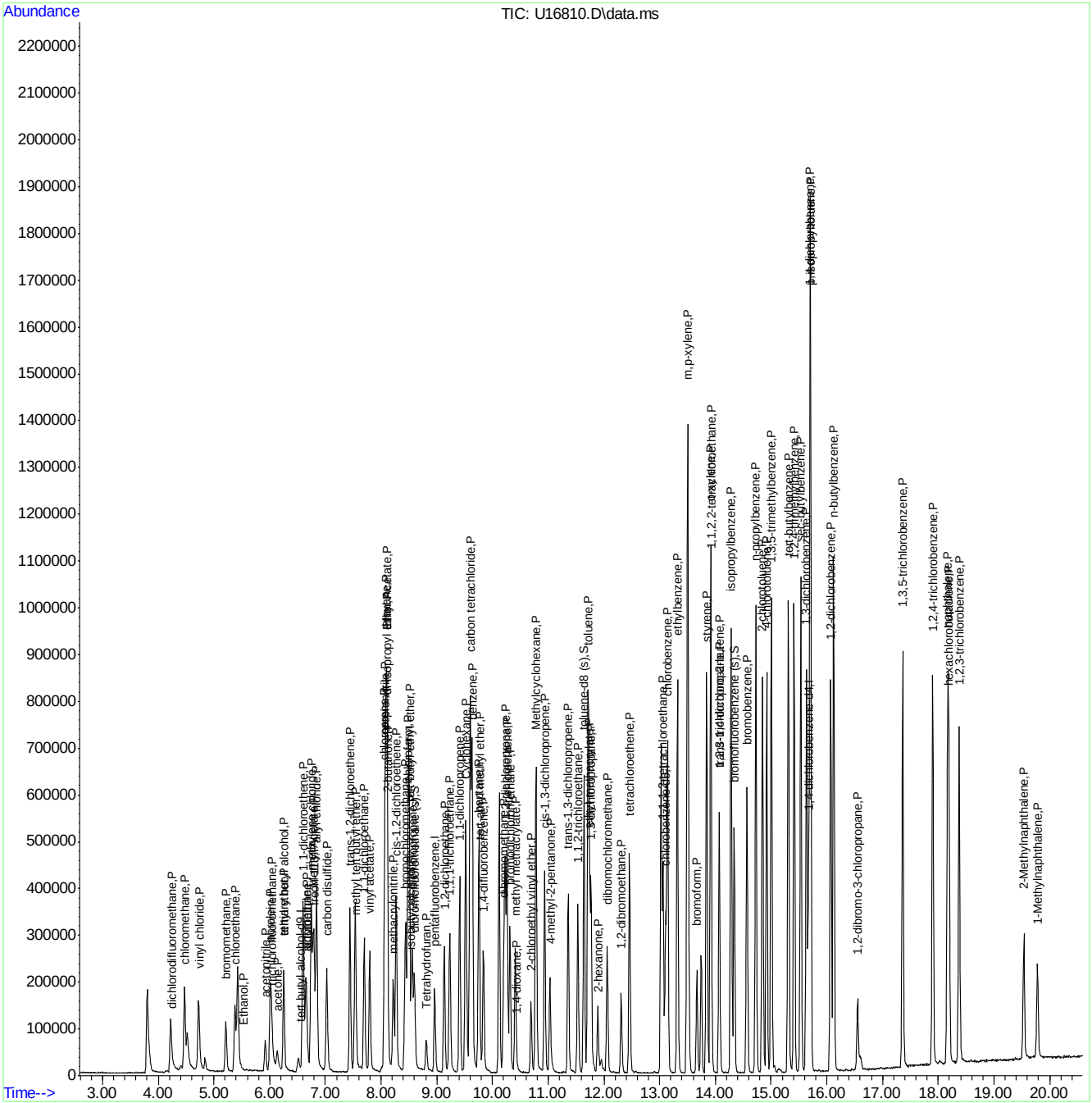
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.635	146	363572	101.65	ppb	98
94)	p-isopropyltoluene	15.705	119	614282	101.37	ppb	99
95)	1,4-dichlorobenzene	15.702	146	352734	100.18	ppb	99
96)	1,2-dichlorobenzene	16.070	146	364132	101.24	ppb	97
97)	n-butylbenzene	16.124	91	648554	102.41	ppb	99
98)	1,2-dibromo-3-chloropr...	16.552	75	37861	98.85	ppb	97
99)	1,3,5-trichlorobenzene	17.363	180	292172	104.08	ug/L	99
100)	1,2,4-trichlorobenzene	17.902	180	277757	103.41	ppb	98
101)	hexachlorobutadiene	18.192	225	137080	103.34	ppb	98
102)	naphthalene	18.169	128	609543	101.87	ppb	100
103)	2-Methylnaphthalene	19.538	142	157084	51.87	ug/L	98
104)	1-Methylnaphthalene	19.783	142	119128	53.12	ug/L	99
105)	1,2,3-trichlorobenzene	18.376	180	252082	102.91	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16810.D
Acq On : 13 Dec 2013 9:38 pm
Operator : garyk
Sample : ic801-100
Misc : ms30755,msu801,,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 09:44:09 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/16/13 10:28

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16811.D
Acq On : 13 Dec 2013 10:06 pm
Operator : garyk
Sample : ic801-200
Misc : ms30755,msu801,,,,5,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 16 09:44:33 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.535	65	60604	500.00	ppb		0.00
4) pentafluorobenzene	8.963	168	123755	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.838	114	193703	50.00	ppb		0.00
66) chlorobenzene-d5	13.107	82	105411	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.674	152	115362	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.599	113	225421	209.94	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 419.88%#				
60) toluene-d8 (s)	11.643	98	807516	215.89	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 431.78%#				
82) bromofluorobenzene (s)	14.336	95	362202	203.96	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 407.92%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.253	59	254334	1877.23	ppb		89
3) Ethanol	5.495	45	436087m	20624.35	ppb		
5) dichlorodifluoromethane	4.245	85	322637	174.85	ppb		96
6) chloromethane	4.481	50	509058	189.43	ppb		100
7) vinyl chloride	4.727	62	400243	184.19	ppb		97
8) bromomethane	5.213	96	158582	205.48	ppb		94
9) chloroethane	5.375	64	162406	193.13	ppb		94
10) ethyl ether	6.253	59	254334	200.45	ppb		96
11) acetonitrile	5.916	41	110568	213.22	ppb		82
12) trichlorofluoromethane	6.042	101	432979	187.96	ppb		99
13) freon-113	6.797	101	220834	180.73	ppb		96
14) acrolein	6.007	56	126010	1239.72	ppb		92
15) 1,1-dichloroethene	6.599	96	208068	179.50	ppb		90
16) acetone	6.145	58	34350m	178.79	ppb		
17) Methyl Acetate	6.782	43	477661	195.20	ppb	#	91
18) methylene chloride	6.749	84	259259	190.75	ppb	#	78
19) methyl tert butyl ether	7.548	73	738372	197.85	ppb		94
20) acrylonitrile	6.653	53	152306	192.49	ppb		94
21) allyl chloride	6.843	41	599711	189.57	ppb		90
22) trans-1,2-dichloroethene	7.441	96	236929	184.31	ppb		94
23) iodomethane	6.658	142	359537	196.16	ppb		97
24) carbon disulfide	7.029	76	681033	187.10	ppb		99
25) propionitrile	8.066	54	27663	184.47	ppb		100
26) vinyl acetate	7.796	43	871430	203.29	ppb		97
27) chloroprene	8.063	53	529510	185.91	ppb		89
28) di-isopropyl ether	8.108	45	1336742	185.30	ppb		96
29) methacrylonitrile	8.221	41	253449	193.45	ppb		89
30) 2-butanone	8.112	72	32887	180.84	ppb	#	1
31) Ethyl Acetate	8.101	43	1127792	182.95	ug/L		93
32) Hexane	8.090	41	565515	182.07	ppb		95
33) 1,1-dichloroethane	7.697	63	548413	188.40	ppb		97
34) tert-butyl ethyl ether	8.511	59	1009734	190.87	ppb		99
35) isobutyl alcohol	8.528	43	214454	916.80	ppb		84
36) 2,2-dichloropropane	8.562	77	247587	176.85	ppb		99

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16811.D
Acq On : 13 Dec 2013 10:06 pm
Operator : garyk
Sample : ic801-200
Misc : ms30755,msu801,,,,5,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 16 09:44:33 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	8.271	96	274422	187.99	ppb		95
38) bromochloromethane	8.438	128	131610	190.51	ppb	#	80
39) chloroform	8.477	83	496095m	244.43	ppb		
41) Tetrahydrofuran	8.811	42	121585	192.53	ppb		87
42) 1,1,1-trichloroethane	9.236	97	396326	190.34	ppb		96
44) Cyclohexane	9.520	56	584318	193.46	ppb		89
45) carbon tetrachloride	9.601	117	326486	195.79	ppb		100
46) 1,1-dichloropropene	9.409	75	357014	197.62	ppb		98
47) benzene	9.635	78	964849	191.28	ppb		100
48) 1,2-dichloroethane	9.133	62	427559	198.48	ppb		96
49) tert-amyl methyl ether	9.761	73	760721	193.71	ppb		90
50) heptane	9.761	43	391135	201.27	ppb		91
51) trichloroethene	10.260	95	291155	194.61	ppb		98
52) 1,2-dichloropropane	10.226	63	330175	199.71	ppb		98
53) dibromomethane	10.199	93	180568	200.41	ppb		94
54) bromodichloromethane	10.314	83	392062	198.56	ppb		98
55) Methylcyclohexane	10.781	83	447334	193.27	ppb		94
56) 2-chloroethyl vinyl ether	10.693	63	140101	224.59	ppb		97
57) methyl methacrylate	10.410	69	176030	211.03	ppb	#	75
58) 1,4-dioxane	10.443	88	10459m	1505.43	ppb		
59) cis-1,3-dichloropropene	10.935	75	463172	207.75	ppb		99
61) 4-methyl-2-pentanone	11.031	43	411640	203.51	ppb		92
62) toluene	11.715	92	613779	198.93	ppb		95
63) trans-1,3-dichloropropene	11.357	75	407491	209.17	ppb		94
64) 1,1,2-trichloroethane	11.530	83	212729	205.27	ppb		94
65) ethyl methacrylate	11.735	69	330968	196.82	ppb		88
67) tetrachloroethene	12.459	166	278124	197.73	ppb		95
68) 1,3-dichloropropane	11.767	76	401694	200.65	ppb		94
69) dibromochloromethane	12.057	129	292686	208.54	ppb		95
70) 1,2-dibromoethane	12.310	107	261908	206.67	ppb		98
71) 2-hexanone	11.893	43	284462	200.84	ppb		98
72) chlorobenzene	13.141	112	743139	199.93	ppb		99
73) 1,1,1,2-tetrachloroethane	13.061	131	275125	201.68	ppb		98
74) ethylbenzene	13.317	91	1269543	199.83	ppb		99
75) m,p-xylene	13.502	106	966471	395.43	ppb		99
76) o-xylene	13.916	106	497900	198.64	ppb		97
77) styrene	13.842	104	824810	203.33	ppb		96
78) bromoform	13.668	173	247458	217.06	ppb		100
79) trans-1,4-dichloro-2-b...	14.067	53	144940	231.97	ppb		86
81) isopropylbenzene	14.280	105	1357614	194.38	ppb		100
83) bromobenzene	14.567	156	371057	193.44	ppb		90
84) 1,1,2,2-tetrachloroethane	13.921	83	348070	204.27	ppb		99
85) 1,2,3-trichloropropane	14.068	75	443465	202.85	ppb		99
86) n-propylbenzene	14.726	91	1693041	193.47	ppb		99
87) 2-chlorotoluene	14.844	91	1025322	191.99	ppb		97
88) 4-chlorotoluene	14.920	91	1055758	192.57	ppb		99
89) 1,3,5-trimethylbenzene	15.004	105	1214405	197.37	ppb		99
90) tert-butylbenzene	15.310	91	744493	199.96	ppb		98
91) 1,2,4-trimethylbenzene	15.414	105	1227281	200.67	ppb		97
92) sec-butylbenzene	15.533	105	1631831	196.87	ppb		98

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16811.D
Acq On : 13 Dec 2013 10:06 pm
Operator : garyk
Sample : ic801-200
Misc : ms30755,msu801,,,,5,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 16 09:44:33 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

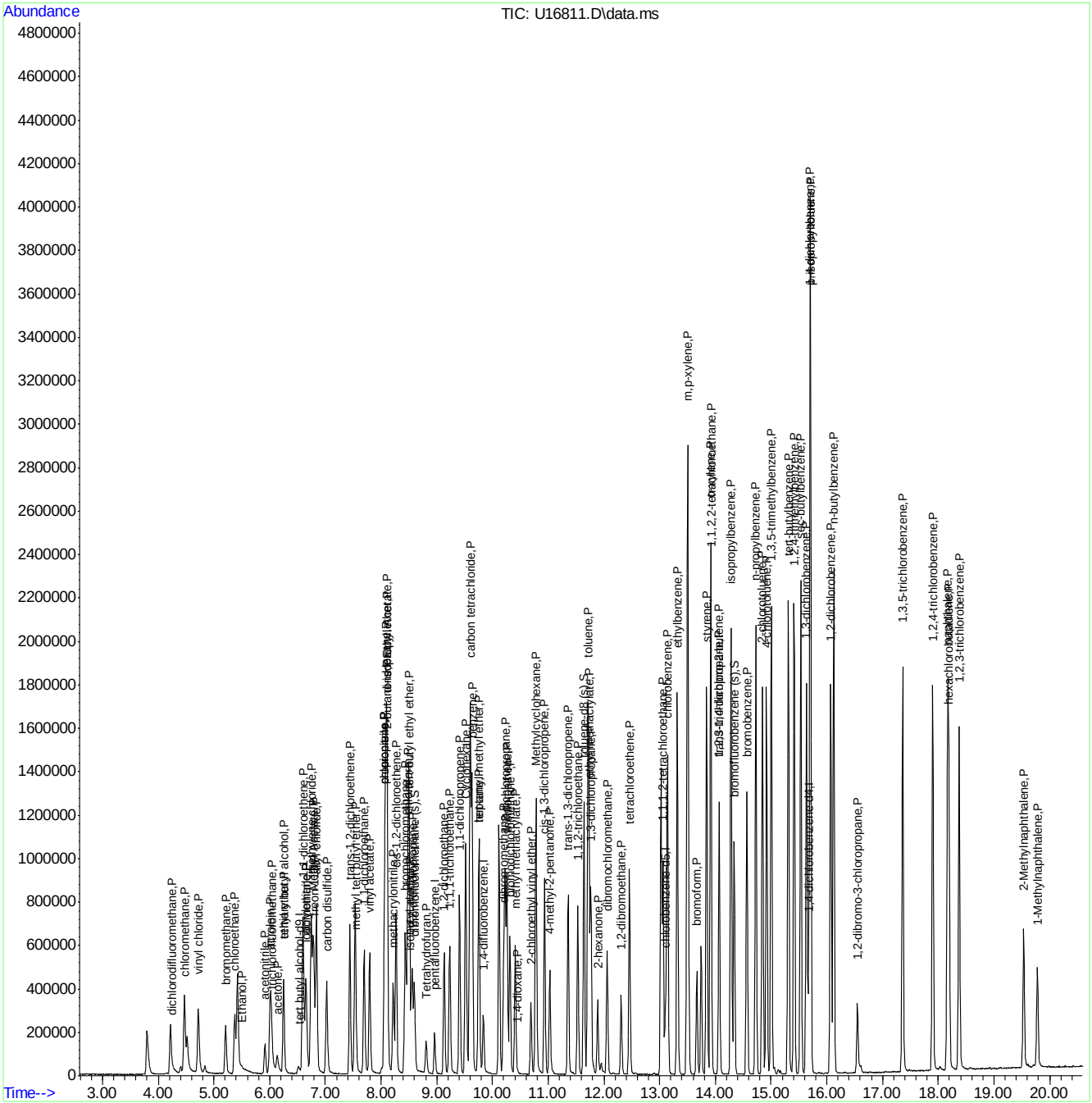
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.635	146	764601	196.61	ppb	96
94)	p-isopropyltoluene	15.705	119	1316390	199.80	ppb	98
95)	1,4-dichlorobenzene	15.702	146	750949	196.16	ppb	100
96)	1,2-dichlorobenzene	16.070	146	772761	197.60	ppb	97
97)	n-butylbenzene	16.123	91	1357415	197.14	ppb	98
98)	1,2-dibromo-3-chloropr...	16.551	75	85254	204.72	ppb	96
99)	1,3,5-trichlorobenzene	17.363	180	616635	202.04	ug/L	99
100)	1,2,4-trichlorobenzene	17.902	180	590898	202.34	ppb	98
101)	hexachlorobutadiene	18.192	225	288914	200.33	ppb	99
102)	naphthalene	18.169	128	1297022	199.37	ppb	100
103)	2-Methylnaphthalene	19.537	142	359831	109.28	ug/L	98
104)	1-Methylnaphthalene	19.783	142	275573	113.01	ug/L	98
105)	1,2,3-trichlorobenzene	18.376	180	545796	204.93	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16811.D
Acq On : 13 Dec 2013 10:06 pm
Operator : garyk
Sample : ic801-200
Misc : ms30755,msu801,,,,5,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 16 09:44:33 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/16/13 10:28

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16812.D
Acq On : 13 Dec 2013 10:33 pm
Operator : garyk
Sample : ic801-400
Misc : ms30755,msu801,,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 16 09:44:57 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.533	65	62164	500.00	ppb		-0.01
4) pentafluorobenzene	8.963	168	138369	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.837	114	212422	50.00	ppb		0.00
66) chlorobenzene-d5	13.107	82	115090	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.675	152	122308	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.600	113	491703	409.58	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 819.16%#				
60) toluene-d8 (s)	11.643	98	1777614	433.36	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 866.72%#				
82) bromofluorobenzene (s)	14.336	95	784441	416.65	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 833.30%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.254	59	535598	3854.02	ppb		89
3) Ethanol	5.502	45	979560m	45164.84	ppb		
5) dichlorodifluoromethane	4.248	85	672825	326.13	ppb		98
6) chloromethane	4.485	50	1057678	352.00	ppb		97
7) vinyl chloride	4.727	62	810789	333.71	ppb		98
8) bromomethane	5.217	96	340667	394.80	ppb		100
9) chloroethane	5.376	64	367412	390.77	ppb		99
10) ethyl ether	6.254	59	535598	377.54	ppb		94
11) acetonitrile	5.916	41	284456	490.62	ppb		78
12) trichlorofluoromethane	6.050	101	922580	358.20	ppb		100
13) freon-113	6.799	101	471437	345.07	ppb		98
14) acrolein	6.008	56	297642	2619.00	ppb		100
15) 1,1-dichloroethene	6.603	96	443704	342.35	ppb		86
16) acetone	6.146	58	70296	327.24	ppb	#	81
17) Methyl Acetate	6.781	43	1008211	368.49	ppb	#	90
18) methylene chloride	6.753	84	542328	356.88	ppb	#	79
19) methyl tert butyl ether	7.552	73	1521870	364.72	ppb		95
20) acrylonitrile	6.652	53	322871	364.97	ppb		95
21) allyl chloride	6.843	41	1228535	347.32	ppb		90
22) trans-1,2-dichloroethene	7.442	96	500198	348.01	ppb		94
23) iodomethane	6.663	142	753475	367.66	ppb		94
24) carbon disulfide	7.033	76	1440529	353.96	ppb		99
25) propionitrile	8.065	54	57459	342.70	ppb		100
26) vinyl acetate	7.796	43	1908103	398.12	ppb		97
27) chloroprene	8.064	53	1118568	351.26	ppb		87
28) di-isopropyl ether	8.109	45	2776413	344.23	ppb		97
29) methacrylonitrile	8.221	41	531805	363.03	ppb		89
30) 2-butanone	8.111	72	68175	335.29	ppb	#	1
31) Ethyl Acetate	8.100	43	2348828	340.78	ug/L		94
32) Hexane	8.090	41	1210021	348.43	ppb		99
33) 1,1-dichloroethane	7.697	63	1144531	351.67	ppb		98
34) tert-butyl ethyl ether	8.514	59	2096662	354.48	ppb		99
35) isobutyl alcohol	8.527	43	433626	1657.98	ppb		84
36) 2,2-dichloropropane	8.564	77	462020	295.17	ppb		96

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16812.D
Acq On : 13 Dec 2013 10:33 pm
Operator : garyk
Sample : ic801-400
Misc : ms30755,msu801,,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 16 09:44:57 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	8.272	96	567434	347.67	ppb		95
38) bromochloromethane	8.438	128	277791	359.65	ppb	#	79
39) chloroform	8.477	83	1033150m	455.29	ppb		
41) Tetrahydrofuran	8.812	42	262918	372.35	ppb		88
42) 1,1,1-trichloroethane	9.237	97	819838	352.15	ppb		95
44) Cyclohexane	9.520	56	1222152	368.98	ppb		90
45) carbon tetrachloride	9.601	117	697496	381.43	ppb		99
46) 1,1-dichloropropene	9.409	75	760910	384.08	ppb		97
47) benzene	9.635	78	2058132	372.06	ppb		98
48) 1,2-dichloroethane	9.133	62	906455	383.71	ppb		98
49) tert-amyl methyl ether	9.763	73	1541909	358.03	ppb		89
50) heptane	9.763	43	795221	373.15	ppb		92
51) trichloroethene	10.260	95	615937	375.42	ppb		99
52) 1,2-dichloropropane	10.226	63	709132	391.13	ppb		99
53) dibromomethane	10.199	93	386119	390.79	ppb		94
54) bromodichloromethane	10.314	83	843990	389.78	ppb		98
55) Methylcyclohexane	10.782	83	933432	367.75	ppb		93
56) 2-chloroethyl vinyl ether	10.692	63	308733	451.31	ppb		98
57) methyl methacrylate	10.409	69	390642	427.05	ppb	#	78
58) 1,4-dioxane	10.445	88	26945	3536.59	ppb		78
59) cis-1,3-dichloropropene	10.935	75	1006954	411.85	ppb		99
61) 4-methyl-2-pentanone	11.029	43	865110	390.01	ppb		93
62) toluene	11.715	92	1312725	387.98	ppb		99
63) trans-1,3-dichloropropene	11.357	75	880239	412.01	ppb		94
64) 1,1,2-trichloroethane	11.530	83	457355	402.42	ppb		96
65) ethyl methacrylate	11.735	69	716066	388.30	ppb		89
67) tetrachloroethene	12.459	166	601812	391.87	ppb		96
68) 1,3-dichloropropane	11.767	76	854331	390.85	ppb		97
69) dibromochloromethane	12.057	129	629216	410.61	ppb		99
70) 1,2-dibromoethane	12.310	107	558610	403.73	ppb		98
71) 2-hexanone	11.889	43	591291	382.37	ppb		99
72) chlorobenzene	13.141	112	1593245	392.59	ppb		99
73) 1,1,1,2-tetrachloroethane	13.061	131	585521	393.11	ppb		99
74) ethylbenzene	13.317	91	2708775	390.52	ppb		99
75) m,p-xylene	13.503	106	2069231	775.42	ppb		96
76) o-xylene	13.917	106	1054538	385.33	ppb		99
77) styrene	13.843	104	1773090	400.34	ppb		96
78) bromoform	13.668	173	526040	422.61	ppb		99
79) trans-1,4-dichloro-2-b...	14.067	53	303994	445.60	ppb		86
81) isopropylbenzene	14.281	105	2851117	385.03	ppb		100
83) bromobenzene	14.567	156	788355	387.65	ppb		90
84) 1,1,2,2-tetrachloroethane	13.922	83	731538	404.93	ppb		99
85) 1,2,3-trichloropropane	14.068	75	916978	395.63	ppb		100
86) n-propylbenzene	14.727	91	3550169	382.64	ppb		99
87) 2-chlorotoluene	14.845	91	2152014	380.07	ppb		97
88) 4-chlorotoluene	14.920	91	2246230	386.44	ppb		98
89) 1,3,5-trimethylbenzene	15.004	105	2524146	386.94	ppb		99
90) tert-butylbenzene	15.311	91	1543785	391.08	ppb		95
91) 1,2,4-trimethylbenzene	15.415	105	2532901	390.62	ppb		97
92) sec-butylbenzene	15.535	105	3285075	373.81	ppb		97

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16812.D
Acq On : 13 Dec 2013 10:33 pm
Operator : garyk
Sample : ic801-400
Misc : ms30755,msu801,,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 16 09:44:57 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration

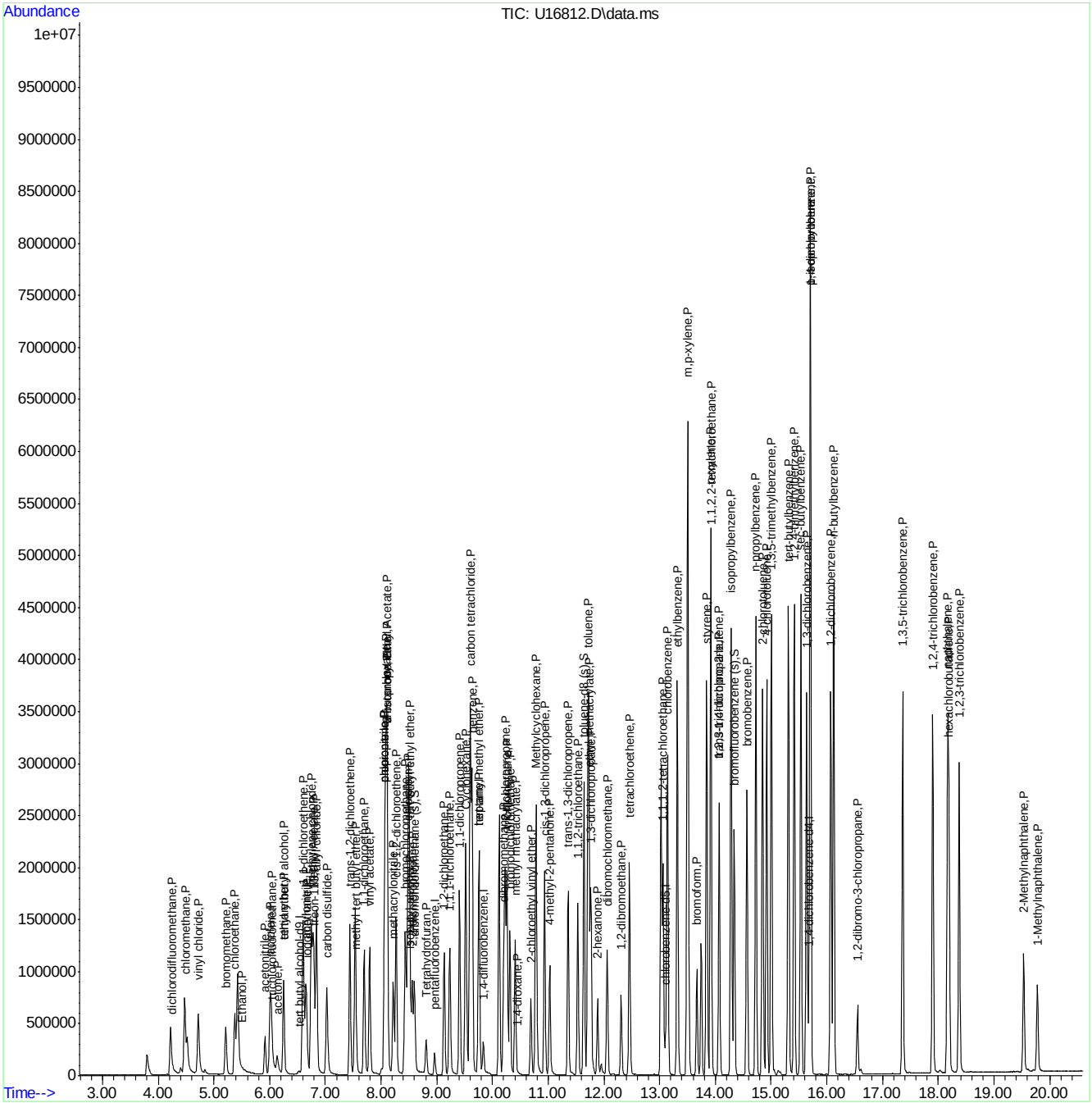
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.636	146	1590281	385.70	ppb	98
94) p-isopropyltoluene	15.706	119	2685289	384.42	ppb	97
95) 1,4-dichlorobenzene	15.703	146	1563068	385.11	ppb	99
96) 1,2-dichlorobenzene	16.071	146	1592092	384.00	ppb	97
97) n-butylbenzene	16.124	91	2744480	375.95	ppb	98
98) 1,2-dibromo-3-chloropr...	16.550	75	172219	390.06	ppb	97
99) 1,3,5-trichlorobenzene	17.363	180	1209945	373.93	ug/L	99
100) 1,2,4-trichlorobenzene	17.903	180	1148890	371.06	ppb	100
101) hexachlorobutadiene	18.193	225	547299	357.94	ppb	100
102) naphthalene	18.169	128	2539172	368.13	ppb	100
103) 2-Methylnaphthalene	19.537	142	649325	186.00	ug/L	98
104) 1-Methylnaphthalene	19.782	142	501691	194.06	ug/L	98
105) 1,2,3-trichlorobenzene	18.377	180	1032761	365.75	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16812.D
Acq On : 13 Dec 2013 10:33 pm
Operator : garyk
Sample : ic801-400
Misc : ms30755,msu801,,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 16 09:44:57 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 08:07:34 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
12/16/13 10:28

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16816.D
Acq On : 14 Dec 2013 12:21 am
Operator : garyk
Sample : icv801-50
Misc : ms30755,msu801,,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Dec 16 09:51:34 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.540	65	61448	500.00	ppb		0.00
4) pentafluorobenzene	8.964	168	132029	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.839	114	206642	50.00	ppb		0.00
66) chlorobenzene-d5	13.107	82	109452	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.673	152	112615	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.599	113	60172	51.52	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.04%				
60) toluene-d8 (s)	11.644	98	218124	51.48	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.96%				
82) bromofluorobenzene (s)	14.337	95	95136	53.98	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.96%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.255	59	71655	550.92	ppb		87
3) Ethanol	5.454	45	90445	4392.04	ppb		99
5) dichlorodifluoromethane	4.247	85	76785	44.30	ppb		100
6) chloromethane	4.478	50	146604	54.08	ppb		99
7) vinyl chloride	4.729	62	90409	41.75	ppb		95
8) bromomethane	5.214	96	44230	51.02	ppb		97
9) chloroethane	5.377	64	46401	52.67	ppb		95
10) ethyl ether	6.255	59	71655	53.38	ppb		92
11) acetonitrile	5.920	41	29580	52.09	ppb		86
12) trichlorofluoromethane	6.042	101	105477	46.83	ppb		98
13) freon-113	6.798	101	64014	52.58	ppb		95
14) acrolein	6.010	56	9313	83.69	ppb		92
15) 1,1-dichloroethene	6.603	96	65156	57.31	ppb		89
16) acetone	6.145	58	9361m	48.53	ppb		
17) Methyl Acetate	6.792	43	102600	40.70	ppb	#	90
18) methylene chloride	6.751	84	72302	50.71	ppb	#	75
19) methyl tert butyl ether	7.545	73	185379	47.24	ppb		88
20) acrylonitrile	6.663	53	75811	97.76	ppb		83
21) allyl chloride	6.843	41	167182	53.01	ppb		88
22) trans-1,2-dichloroethene	7.443	96	71360	56.01	ppb		93
23) iodomethane	6.662	142	106172	55.30	ppb		99
24) carbon disulfide	7.033	76	220421	59.74	ppb		99
25) propionitrile	8.066	54	8485	59.25	ppb		100
26) vinyl acetate	7.802	43	198857	45.05	ppb		97
27) chloroprene	8.065	53	157132	54.49	ppb		87
28) di-isopropyl ether	8.113	45	355396	49.08	ppb		97
29) methacrylonitrile	8.229	41	66602	50.14	ppb		85
30) 2-butanone	8.117	72	8581	50.73	ppb	#	4
31) Ethyl Acetate	8.103	43	311045	49.87	ug/L		98
32) Hexane	8.091	41	163263	51.64	ppb	#	86
33) 1,1-dichloroethane	7.698	63	153949	49.69	ppb		100
34) tert-butyl ethyl ether	8.511	59	264451	49.87	ppb		96
35) isobutyl alcohol	8.530	43	57579m	248.92	ppb		
36) 2,2-dichloropropane	8.564	77	63136	45.40	ppb		97

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16816.D
Acq On : 14 Dec 2013 12:21 am
Operator : garyk
Sample : icv801-50
Misc : ms30755,msu801,,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Dec 16 09:51:34 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.272	96	75465	51.28	ppb		96
38)	bromochloromethane	8.439	128	35378	50.00	ppb	#	79
39)	chloroform	8.478	83	128660	45.72	ppb		98
41)	Tetrahydrofuran	8.817	42	30696	47.44	ppb		91
42)	1,1,1-trichloroethane	9.235	97	101164	45.99	ppb		95
44)	Cyclohexane	9.523	56	156815	50.09	ppb		90
45)	carbon tetrachloride	9.602	117	86843	50.02	ppb		95
46)	1,1-dichloropropene	9.409	75	97066	50.90	ppb		99
47)	benzene	9.637	78	274217	47.17	ppb		95
48)	1,2-dichloroethane	9.134	62	111202	46.20	ppb		97
49)	tert-amyl methyl ether	9.766	73	198748	48.98	ppb		88
50)	heptane	9.765	43	101712	49.63	ppb		89
51)	trichloroethene	10.262	95	80070	48.97	ppb		96
52)	1,2-dichloropropane	10.227	63	85562	48.56	ppb		98
53)	dibromomethane	10.200	93	47656	49.38	ppb		96
54)	bromodichloromethane	10.315	83	100413	46.80	ppb		95
55)	Methylcyclohexane	10.782	83	121689	51.10	ppb		91
56)	2-chloroethyl vinyl ether	10.697	63	38107	56.59	ppb		99
57)	methyl methacrylate	10.415	69	40691	46.89	ppb		83
58)	1,4-dioxane	10.429	88	2281	292.73	ppb	#	51
59)	cis-1,3-dichloropropene	10.937	75	110204	47.91	ppb		98
61)	4-methyl-2-pentanone	11.042	43	98506	48.29	ppb		91
62)	toluene	11.716	92	158619	47.67	ppb		94
63)	trans-1,3-dichloropropene	11.359	75	104738	52.63	ppb		95
64)	1,1,2-trichloroethane	11.532	83	53204	46.86	ppb		94
65)	ethyl methacrylate	11.741	69	82934	49.04	ppb		85
67)	tetrachloroethene	12.460	166	70107	46.01	ppb		91
68)	1,3-dichloropropane	11.768	76	99820	48.04	ppb		97
69)	dibromochloromethane	12.058	129	70723	50.29	ppb		97
70)	1,2-dibromoethane	12.311	107	64023	48.29	ppb		99
71)	2-hexanone	11.914	43	71161	49.72	ppb		98
72)	chlorobenzene	13.142	112	180429	44.60	ppb		97
73)	1,1,1,2-tetrachloroethane	13.061	131	67505	47.91	ppb		98
74)	ethylbenzene	13.318	91	315014	46.50	ppb		99
75)	m,p-xylene	13.503	106	234735	92.36	ppb		99
76)	o-xylene	13.916	106	119944	45.86	ppb		97
77)	styrene	13.843	104	200535	47.89	ppb		94
78)	bromoform	13.668	173	56384	48.79	ppb		96
79)	trans-1,4-dichloro-2-b...	14.069	53	31486	51.58	ppb		98
81)	isopropylbenzene	14.281	105	313494	47.40	ppb		99
83)	bromobenzene	14.568	156	89985	49.39	ppb		96
84)	1,1,2,2-tetrachloroethane	13.921	83	81383	47.77	ppb		97
85)	1,2,3-trichloropropane	14.070	75	102621	50.07	ppb		96
86)	n-propylbenzene	14.726	91	378002	45.47	ppb		98
87)	2-chlorotoluene	14.844	91	236114	46.73	ppb		98
88)	4-chlorotoluene	14.920	91	251792	48.04	ppb		97
89)	1,3,5-trimethylbenzene	15.005	105	278141	47.49	ppb		98
90)	tert-butylbenzene	15.310	91	164944	46.14	ppb		100
91)	1,2,4-trimethylbenzene	15.413	105	279841	47.31	ppb		96
92)	sec-butylbenzene	15.533	105	368647	47.21	ppb		98

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16816.D
Acq On : 14 Dec 2013 12:21 am
Operator : garyk
Sample : icv801-50
Misc : ms30755,msu801,,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Dec 16 09:51:34 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

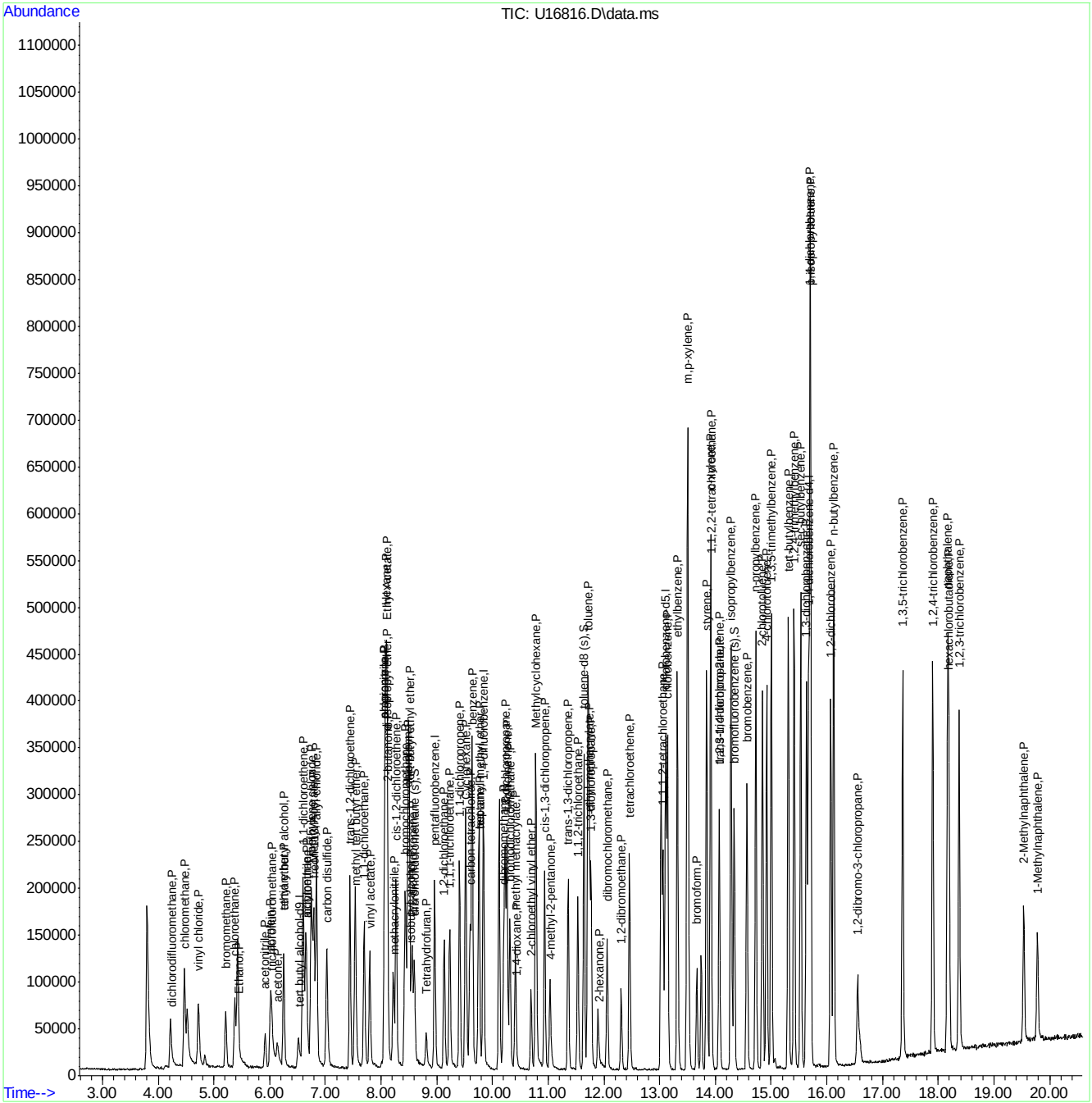
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.634	146	177677	46.12	ppb	95
94)	p-isopropyltoluene	15.705	119	298556	47.52	ppb	98
95)	1,4-dichlorobenzene	15.702	146	180313	46.73	ppb	98
96)	1,2-dichlorobenzene	16.070	146	173282	45.88	ppb	94
97)	n-butylbenzene	16.125	91	311364	47.78	ppb	98
98)	1,2-dibromo-3-chloropr...	16.553	75	20272	50.90	ppb	94
99)	1,3,5-trichlorobenzene	17.363	180	138463	47.20	ug/L	99
100)	1,2,4-trichlorobenzene	17.902	180	137671	49.85	ppb	97
101)	hexachlorobutadiene	18.192	225	68826	49.45	ppb	98
102)	naphthalene	18.169	128	316523	52.08	ppb	100
103)	2-Methylnaphthalene	19.540	142	86569	28.14	ug/L	98
104)	1-Methylnaphthalene	19.784	142	69740	29.27	ug/L	99
105)	1,2,3-trichlorobenzene	18.376	180	129292	51.06	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131213\
Data File : U16816.D
Acq On : 14 Dec 2013 12:21 am
Operator : garyk
Sample : icv801-50
Misc : ms30755,msu801,,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Dec 16 09:51:34 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
12/16/13 12:23

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16822.D
Acq On : 16 Dec 2013 9:32 am
Operator : garyk
Sample : cc801-50
Misc : ms30755,msu802,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 16 10:11:53 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.541	65	67840	500.00	ppb		0.00
4) pentafluorobenzene	8.965	168	130404	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.839	114	203304	50.00	ppb		0.00
66) chlorobenzene-d5	13.108	82	102799	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.675	152	111490	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.600	113	60617	52.55	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.10%				
60) toluene-d8 (s)	11.644	98	232161	55.69	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.38%				
82) bromofluorobenzene (s)	14.338	95	98696	56.57	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 113.14%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.256	59	69471	483.80	ppb		83
3) Ethanol	5.468	45	108892	4729.99	ppb	#	39
5) dichlorodifluoromethane	4.246	85	74587	43.57	ppb		84
6) chloromethane	4.481	50	146945	54.88	ppb		97
7) vinyl chloride	4.729	62	89750	41.96	ppb		92
8) bromomethane	5.213	96	42375	49.49	ppb		96
9) chloroethane	5.377	64	45637	52.45	ppb		96
10) ethyl ether	6.256	59	69471	52.40	ppb		92
11) acetonitrile	5.918	41	30198	53.84	ppb		76
12) trichlorofluoromethane	6.037	101	101038	45.41	ppb		86
13) freon-113	6.797	101	64884	53.96	ppb		94
14) acrolein	6.008	56	9938	90.42	ppb		92
15) 1,1-dichloroethene	6.601	96	64078	57.05	ppb		87
16) acetone	6.144	58	11144m	58.49	ppb		
17) Methyl Acetate	6.784	43	97740	39.25	ppb	#	92
18) methylene chloride	6.750	84	71943	51.08	ppb	#	79
19) methyl tert butyl ether	7.540	73	181341	46.79	ppb		91
20) acrylonitrile	6.656	53	73765	96.31	ppb		96
21) allyl chloride	6.843	41	168145	53.98	ppb		88
22) trans-1,2-dichloroethene	7.444	96	69943	55.55	ppb		99
23) iodomethane	6.659	142	104883	55.31	ppb		100
24) carbon disulfide	7.031	76	220311	60.45	ppb		96
25) propionitrile	8.066	54	7973	56.36	ppb		100
26) vinyl acetate	7.802	43	199956	45.86	ppb		95
27) chloroprene	8.066	53	158688	55.71	ppb		92
28) di-isopropyl ether	8.111	45	349567	48.88	ppb		96
29) methacrylonitrile	8.224	41	65875	50.21	ppb		89
30) 2-butanone	8.117	72	9267	55.47	ppb	#	40
31) Ethyl Acetate	8.104	43	320242	51.99	ug/L		96
32) Hexane	8.091	41	168980	54.12	ppb	#	89
33) 1,1-dichloroethane	7.698	63	151117	49.39	ppb		99
34) tert-butyl ethyl ether	8.512	59	263449	50.30	ppb		98
35) isobutyl alcohol	8.528	43	56279	246.34	ppb		100
36) 2,2-dichloropropane	8.560	77	73337	53.40	ppb		92

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16822.D
Acq On : 16 Dec 2013 9:32 am
Operator : garyk
Sample : cc801-50
Misc : ms30755,msu802,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 16 10:11:53 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	8.272	96	75203	51.78	ppb		94
38) bromochloromethane	8.439	128	34816	49.82	ppb	#	73
39) chloroform	8.478	83	127062	45.72	ppb		94
41) Tetrahydrofuran	8.815	42	30536	47.78	ppb		87
42) 1,1,1-trichloroethane	9.234	97	103150	47.48	ppb		89
44) Cyclohexane	9.523	56	160414	52.09	ppb		87
45) carbon tetrachloride	9.599	117	88031	51.54	ppb		94
46) 1,1-dichloropropene	9.410	75	95777	51.05	ppb		98
47) benzene	9.637	78	268803	47.00	ppb		99
48) 1,2-dichloroethane	9.135	62	110288	46.57	ppb		97
49) tert-amyl methyl ether	9.764	73	195797	49.05	ppb		92
50) heptane	9.758	43	96061	47.64	ppb		96
51) trichloroethene	10.260	95	76503	47.56	ppb		98
52) 1,2-dichloropropane	10.226	63	81050	46.75	ppb		100
53) dibromomethane	10.200	93	46853	49.35	ppb		97
54) bromodichloromethane	10.315	83	98289	46.56	ppb		97
55) Methylcyclohexane	10.782	83	121421	51.83	ppb		89
56) 2-chloroethyl vinyl ether	10.695	63	34835	52.58	ppb		98
57) methyl methacrylate	10.415	69	39130	45.83	ppb	#	80
58) 1,4-dioxane	10.432	88	2399	304.19	ppb		92
59) cis-1,3-dichloropropene	10.937	75	110984	49.05	ppb		99
61) 4-methyl-2-pentanone	11.041	43	97201	48.43	ppb		91
62) toluene	11.717	92	156343	47.76	ppb		96
63) trans-1,3-dichloropropene	11.359	75	101382	51.78	ppb		90
64) 1,1,2-trichloroethane	11.532	83	50842	45.52	ppb		92
65) ethyl methacrylate	11.741	69	79827	47.98	ppb		85
67) tetrachloroethene	12.461	166	71769	50.15	ppb		94
68) 1,3-dichloropropane	11.769	76	98459	50.46	ppb		100
69) dibromochloromethane	12.059	129	70872	53.66	ppb		96
70) 1,2-dibromoethane	12.312	107	62358	50.08	ppb		95
71) 2-hexanone	11.913	43	76091	56.61	ppb		97
72) chlorobenzene	13.143	112	178093	46.87	ppb		100
73) 1,1,1,2-tetrachloroethane	13.062	131	68284	51.60	ppb		99
74) ethylbenzene	13.320	91	315030	49.51	ppb		98
75) m,p-xylene	13.504	106	233959	98.02	ppb		97
76) o-xylene	13.918	106	120410	49.02	ppb		97
77) styrene	13.845	104	201103	51.13	ppb		99
78) bromoform	13.670	173	57540	53.01	ppb		99
79) trans-1,4-dichloro-2-b...	14.071	53	34984	61.02	ppb	#	85
81) isopropylbenzene	14.282	105	322449	49.25	ppb		98
83) bromobenzene	14.569	156	88740	49.19	ppb		90
84) 1,1,2,2-tetrachloroethane	13.922	83	80757	47.88	ppb		98
85) 1,2,3-trichloropropane	14.071	75	108710	53.57	ppb		100
86) n-propylbenzene	14.728	91	385947	46.89	ppb		100
87) 2-chlorotoluene	14.846	91	238921	47.76	ppb		97
88) 4-chlorotoluene	14.922	91	254701	49.09	ppb		100
89) 1,3,5-trimethylbenzene	15.006	105	286355	49.39	ppb		99
90) tert-butylbenzene	15.311	91	169472	47.88	ppb		96
91) 1,2,4-trimethylbenzene	15.415	105	284447	48.58	ppb		95
92) sec-butylbenzene	15.534	105	382947	49.54	ppb		98

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16822.D
Acq On : 16 Dec 2013 9:32 am
Operator : garyk
Sample : cc801-50
Misc : ms30755,msu802,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 16 10:11:53 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

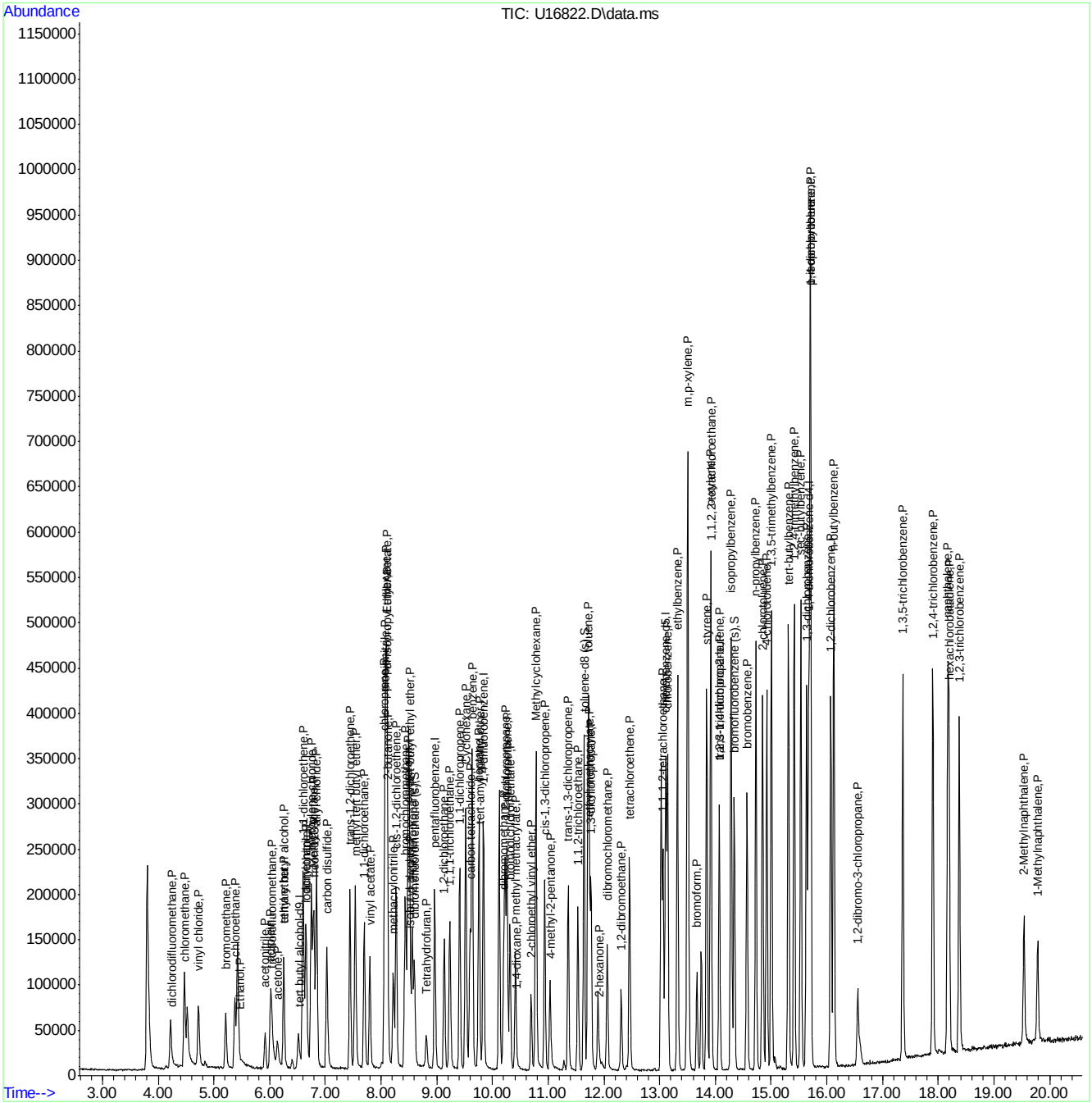
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.636	146	180698	47.38	ppb	97
94)	p-isopropyltoluene	15.707	119	314725	50.60	ppb	98
95)	1,4-dichlorobenzene	15.703	146	182297	47.72	ppb	97
96)	1,2-dichlorobenzene	16.072	146	178929	47.86	ppb	97
97)	n-butylbenzene	16.126	91	322598	50.01	ppb	99
98)	1,2-dibromo-3-chloropr...	16.555	75	19292	48.93	ppb	94
99)	1,3,5-trichlorobenzene	17.366	180	144467	49.74	ug/L	100
100)	1,2,4-trichlorobenzene	17.905	180	142830	52.24	ppb	98
101)	hexachlorobutadiene	18.194	225	73140	53.08	ppb	98
102)	naphthalene	18.172	128	317116	52.70	ppb	100
103)	2-Methylnaphthalene	19.542	142	85013	27.92	ug/L	96
104)	1-Methylnaphthalene	19.787	142	68003	28.83	ug/L	99
105)	1,2,3-trichlorobenzene	18.378	180	129555	51.68	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131216\
Data File : U16822.D
Acq On : 16 Dec 2013 9:32 am
Operator : garyk
Sample : cc801-50
Misc : ms30755,msu802,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 16 10:11:53 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/18/13 09:15

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131217\
Data File : U16880.D
Acq On : 17 Dec 2013 12:16 pm
Operator : garyk
Sample : bs
Misc : ms30797,msu804,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 12:49:15 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.551	65	65817	500.00	ppb		0.00
4) pentafluorobenzene	8.965	168	130199	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.839	114	202948	50.00	ppb		0.00
66) chlorobenzene-d5	13.107	82	102260	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.673	152	108116	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.600	113	63263	54.93	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.86%				
60) toluene-d8 (s)	11.644	98	229840	55.23	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.46%				
82) bromofluorobenzene (s)	14.337	95	96401	56.98	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 113.96%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.258	59	72514	520.51	ppb		93
3) Ethanol	5.472	45	104888	4700.82	ppb		99
5) dichlorodifluoromethane	4.248	85	73904	43.24	ppb		95
6) chloromethane	4.481	50	149889	56.06	ppb		96
7) vinyl chloride	4.731	62	95530	44.73	ppb		94
8) bromomethane	5.216	96	44537	52.09	ppb		99
9) chloroethane	5.379	64	46835	53.91	ppb		96
10) ethyl ether	6.258	59	72514	54.78	ppb		89
11) acetonitrile	5.921	41	30866	55.12	ppb		88
12) trichlorofluoromethane	6.042	101	110426	49.71	ppb		98
13) freon-113	6.799	101	68395	56.97	ppb		92
14) acrolein	6.010	56	3094	28.19	ppb		92
15) 1,1-dichloroethene	6.602	96	67264	60.19	ppb		86
16) acetone	6.144	58	13238m	69.59	ppb		
17) Methyl Acetate	6.789	43	98859	39.77	ppb		95
18) methylene chloride	6.752	84	73127	52.01	ppb	#	81
19) methyl tert butyl ether	7.544	73	194039	50.14	ppb		95
20) acrylonitrile	6.666	53	77944	101.93	ppb		95
21) allyl chloride	6.845	41	174761	56.19	ppb		91
22) trans-1,2-dichloroethene	7.446	96	74841	59.78	ppb		95
23) iodomethane	6.662	142	111268	58.77	ppb		99
24) carbon disulfide	7.031	76	231556	63.63	ppb		99
25) propionitrile	8.067	54	8687	61.51	ppb		100
26) vinyl acetate	7.803	43	210075	48.26	ppb		97
27) chloroprene	8.066	53	165910	58.34	ppb		89
28) di-isopropyl ether	8.112	45	365374	51.17	ppb		92
29) methacrylonitrile	8.231	41	68193	52.06	ppb		97
30) 2-butanone	8.115	72	10039	60.19	ppb	#	21
31) Ethyl Acetate	8.106	43	351792	57.20	ug/L		93
32) Hexane	8.092	41	175966	56.44	ppb		97
33) 1,1-dichloroethane	7.700	63	157568	51.58	ppb		98
34) tert-butyl ethyl ether	8.509	59	274797	52.55	ppb		99
35) isobutyl alcohol	8.526	43	57189	250.71	ppb		79
36) 2,2-dichloropropane	8.562	77	77634	56.61	ppb		97

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131217\
Data File : U16880.D
Acq On : 17 Dec 2013 12:16 pm
Operator : garyk
Sample : bs
Misc : ms30797,msu804,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 12:49:15 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	8.276	96	80718	55.96	ppb		93
38) bromochloromethane	8.441	128	37126	53.20	ppb	#	85
39) chloroform	8.480	83	135143	48.70	ppb		99
41) Tetrahydrofuran	8.819	42	31581	49.50	ppb		79
42) 1,1,1-trichloroethane	9.235	97	107027	49.34	ppb		93
44) Cyclohexane	9.521	56	168391	54.77	ppb		90
45) carbon tetrachloride	9.600	117	97216	57.02	ppb		99
46) 1,1-dichloropropene	9.411	75	102507	54.73	ppb		97
47) benzene	9.636	78	285930	50.08	ppb		98
48) 1,2-dichloroethane	9.142	62	121992	51.60	ppb		98
49) tert-amyl methyl ether	9.762	73	203188	50.99	ppb		91
50) heptane	9.760	43	101007	50.19	ppb		92
51) trichloroethene	10.261	95	81565	50.79	ppb		96
52) 1,2-dichloropropane	10.227	63	85718	49.53	ppb		99
53) dibromomethane	10.201	93	48363	51.03	ppb		96
54) bromodichloromethane	10.315	83	100811	47.84	ppb		94
55) Methylcyclohexane	10.781	83	128796	55.07	ppb		96
56) 2-chloroethyl vinyl ether	10.695	63	34756	52.55	ppb		99
57) methyl methacrylate	10.417	69	41694	48.92	ppb	#	71
58) 1,4-dioxane	10.435	88	2977	347.35	ppb	#	41
59) cis-1,3-dichloropropene	10.937	75	114397	50.64	ppb		96
61) 4-methyl-2-pentanone	11.043	43	101070	50.44	ppb		90
62) toluene	11.716	92	164026	50.19	ppb		98
63) trans-1,3-dichloropropene	11.359	75	102530	52.46	ppb		93
64) 1,1,2-trichloroethane	11.532	83	51597	46.27	ppb		96
65) ethyl methacrylate	11.741	69	82108	49.43	ppb		85
67) tetrachloroethene	12.460	166	72752	51.11	ppb		92
68) 1,3-dichloropropane	11.769	76	100789	51.92	ppb		95
69) dibromochloromethane	12.059	129	71505	54.42	ppb		98
70) 1,2-dibromoethane	12.311	107	63206	51.03	ppb		100
71) 2-hexanone	11.900	43	84472m	63.17	ppb		
72) chlorobenzene	13.142	112	183169	48.46	ppb		98
73) 1,1,1,2-tetrachloroethane	13.061	131	70644	53.66	ppb		95
74) ethylbenzene	13.319	91	323573	51.12	ppb		98
75) m,p-xylene	13.503	106	241731	101.81	ppb		99
76) o-xylene	13.916	106	122770	50.25	ppb		94
77) styrene	13.843	104	202643	51.79	ppb		98
78) bromoform	13.669	173	56161	52.02	ppb		95
79) trans-1,4-dichloro-2-b...	14.070	53	30706	53.84	ppb		95
81) isopropylbenzene	14.281	105	332514	52.37	ppb		99
83) bromobenzene	14.568	156	91448	52.28	ppb		89
84) 1,1,2,2-tetrachloroethane	13.921	83	87512	53.51	ppb		99
85) 1,2,3-trichloropropane	14.071	75	102809	52.24	ppb		99
86) n-propylbenzene	14.727	91	398705	49.95	ppb		99
87) 2-chlorotoluene	14.845	91	245765	50.66	ppb		98
88) 4-chlorotoluene	14.921	91	260718	51.82	ppb		100
89) 1,3,5-trimethylbenzene	15.004	105	295472	52.55	ppb		98
90) tert-butylbenzene	15.310	91	172539	50.27	ppb		95
91) 1,2,4-trimethylbenzene	15.414	105	298183	52.51	ppb		97
92) sec-butylbenzene	15.533	105	395593	52.77	ppb		97

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Sample : bs
Misc : ms30797,msu804,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 12:49:15 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration

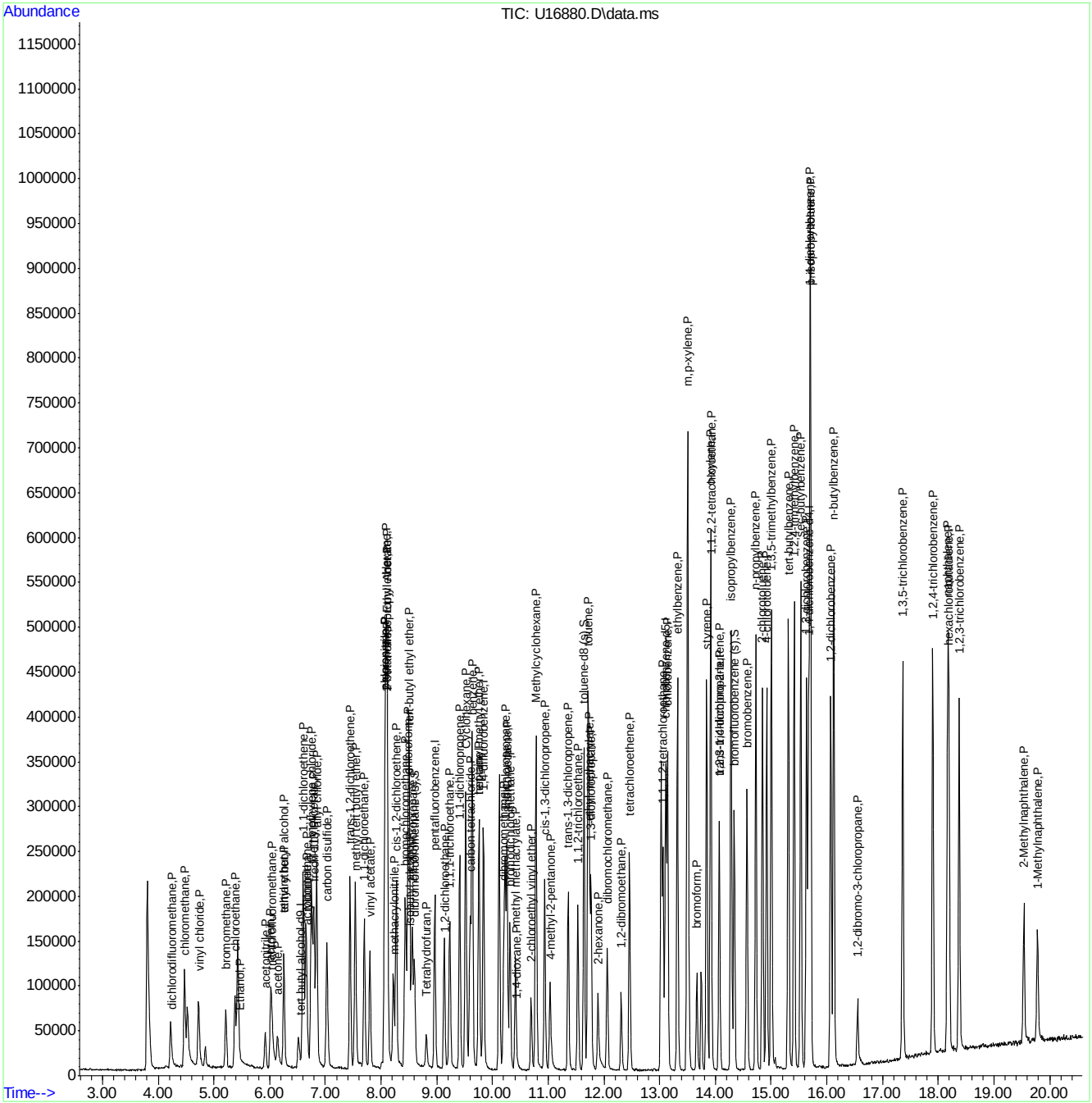
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.635	146	187293	50.64	ppb	97
94)	p-isopropyltoluene	15.706	119	323728	53.67	ppb	99
95)	1,4-dichlorobenzene	15.702	146	186405	50.32	ppb	98
96)	1,2-dichlorobenzene	16.071	146	183491	50.61	ppb	98
97)	n-butylbenzene	16.125	91	334102	53.41	ppb	98
98)	1,2-dibromo-3-chloropr...	16.554	75	19622	51.32	ppb	98
99)	1,3,5-trichlorobenzene	17.364	180	152371	54.10	ug/L	100
100)	1,2,4-trichlorobenzene	17.903	180	149553	56.41	ppb	99
101)	hexachlorobutadiene	18.192	225	78418	58.68	ppb	96
102)	naphthalene	18.170	128	331883	56.88	ppb	100
103)	2-Methylnaphthalene	19.539	142	88839	30.08	ug/L	99
104)	1-Methylnaphthalene	19.785	142	74027	32.37	ug/L	98
105)	1,2,3-trichlorobenzene	18.377	180	137702	56.64	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U131217\
Data File : U16880.D
Acq On : 17 Dec 2013 12:16 pm
Operator : garyk
Sample : bs
Misc : ms30797,msu804,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 12:49:15 2013
Quant Method : D:\msdchem\1\methods\U131213W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Dec 16 09:47:37 2013
Response via : Initial Calibration



Accutest Laboratories of New England, Inc. **Instrument: GCMS U**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS 9418	8260 IS	25ug/ml
9478	cal	200ug/ml
9497	calgas	
9484	bs	
9492	bs gas	
9440	SS	

Daily Saved File

Tune file 1:	U16798
Tune file 2:	—
Initial Cal:	12-13-13
ID File:	U131213w.m
ICAL Verified:	U16816
Sequence verified:	KB

Date: 12-13-13

Batch ID: MSU801

Analysts GK

Signature: Gary Krasinski

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
U16798	BFB Tune	—	8260	MS30755	18	W	5ml	NA	1X	NA	✓ 4:12pm
799	blk		curve		19						✓
800					20						✓
801					21						✓
802					22						✓
803	ic801-0.5	3,2			23						✓
804	-1				24						✓
805	-2				25						✓
806	-5				26						✓
807	-10				27						✓
808	-25				28						✓
809	icc -50				29						✓
810	-100				30						✓
811	-200				31						✓
812	-400				32						✓
813	blk	—			33						✓
814					34						✓
815	icU801-50	3,2			35						
816					36						✓
817	blk	—			37						✓
818					38						✓

GK 12-16-13

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review:

ACCUTEST LABORATORIES MC27081

Accutest Laboratories of New England, Inc. **Instrument: GCMS U**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9491	8260 IS/SS	25ug/ml
9478	cal	200ug/ml
9497	calgas	
9484	bs	
9492	bsgas	

Daily Saved File

Tune file 1:	U16821
Tune file 2:	—
Initial Cal:	12-13-13
ID File:	U131213w.m
ICAL Verified:	U16816
Sequence verified:	JB

Date: 12-16-13

Batch ID: MSU802

Analysts GK

Signature:

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
U16819	blk	—	MS30784	8260	1	W	5ml	NA	1X	NA	✓
20	↓	↓			2						✓
21	BFB tune	3,2			3						✓ 9:05AM
22	cc801-50				4						✓
23	BS				5						✓
24	blk	—			6						✓
25	MB	↓		↓	7						✓
26	mc27144-5	2		STAR	8				2X	>2	✓ Dilution - High Sodium
27	↓ -2	↓		↓	9				1X	<2	✓
28	JB55056-12	1		PPL+	10						✓ C/O OK! subs
29	↓ -13	2		↓	11						✓
30	mc26889-4	↓		SL+	12						✓ TB acetone hit Verification Rpt's Send OK!
31	JB55056-6	↓		PPL+	13						✓
32	1	2			14						200X
33	2	1			15						2X C/O
34	3	3			16						1X C/O
35	4	2			17						✓
36	6	MS396			18						✓
37	6MSD	↓			19						✓
38	5	1			20						~~100X~~ 50X
39	7	1			21						1X C/O
40	8	3			22						1X C/O
41	9	1			23						✓
42	10	3			24						✓
43	11	3		↓	25						✓
44	mc27081-1	1		TCL42+	26						100X
45	2	2			27						✓
46	3	2			28						✓
47	4	2			29					↓	✓ 8:54pm
48	blk	—		—	30					—	✓
49	↓	↓	↓	↓	31	↓	↓	↓	↓	↓	✓

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review:

ACCUTEST LABORATORIES MC27081

Accutest Laboratories of New England, Inc. **Instrument: GCMS U**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9491	8260 IS/SS	250 ug/ml
9478	cal	200 ug/ml
9497	cal gas	
9484	bs	
9492	bs gas	

Daily Saved File

Tune file 1:	U16879
Tune file 2:	—
Initial Cal:	12-13-13
ID File:	U131213u.m
ICAL Verified:	U16816
Sequence verified:	

Date: 12-17-13 Day

Batch ID: MSU804

Analysts GK

Signature:

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
U16878	primer	3,2	MS30802	8260	1	W	5ml	NA	1X	NA	✓
79	BFB tune				2						✓ 11:49AM
80	CC301-5a/BS				3						✓
81	blk				4						✓
82	MB				5						✓
83	MC26984-1	1		STD+MTBE	1					12	✓
84	MC27155-1	6			2						✓
85	2	4			3						✓
86	3	5			4						✓
87	4	2			5						✓
88	5	4			6						✓
89	6	↓			7						✓
90	8	2			8				40X		✓
91	7	5			9				50X		✓
92	1 MS				10				5X		✓
93	1 MSD	↓	↓	↓	11				↓		✓
94	MC27081-1 rr	2	MS30784	JCL42 +	12				100X		✓
95	JB53056-5 rr	↓		PPL +	13				50X		✓
96	1 rr	1			14				200X		✓
97	2	2			15				2X		✓
98	3				16				1X		✓
99	7	↓			17				↓		✓
900	8	1			18						✓
01	MC26951-1	5	MS30802	STD+MTBE	19						✓
02	2	↓			20						✓
03	3	3			21						✓ 10:44pm
04	blk	—		—	22					—	✓
05	↓	↓	↓	↓	23						✓

GK 12-18-13

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review:

ACCUTEST LABORATORIES MC27081

New England ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP36184-MB	BK33198.D	1	12/17/13	AP	12/12/13	OP36184	GBK1091

The QC reported here applies to the following samples: **Method:** SW846 8082

MC27081-3

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.25	0.069	ug/l	
11104-28-2	Aroclor 1221	ND	0.25	0.072	ug/l	
11141-16-5	Aroclor 1232	ND	0.25	0.17	ug/l	
53469-21-9	Aroclor 1242	ND	0.25	0.10	ug/l	
12672-29-6	Aroclor 1248	ND	0.25	0.15	ug/l	
11097-69-1	Aroclor 1254	ND	0.25	0.073	ug/l	
11096-82-5	Aroclor 1260	ND	0.25	0.062	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	60%	30-150%
877-09-8	Tetrachloro-m-xylene	50%	30-150%
2051-24-3	Decachlorobiphenyl	64%	30-150%
2051-24-3	Decachlorobiphenyl	56%	30-150%

Blank Spike Summary

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP36184-BS	BK33199.D	1	12/17/13	AP	12/12/13	OP36184	GBK1091

The QC reported here applies to the following samples: **Method:** SW846 8082

MC27081-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
12674-11-2	Aroclor 1016	2	1.1	55	40-140
11104-28-2	Aroclor 1221		ND		40-140
11141-16-5	Aroclor 1232		ND		40-140
53469-21-9	Aroclor 1242		ND		40-140
12672-29-6	Aroclor 1248		ND		40-140
11097-69-1	Aroclor 1254		ND		40-140
11096-82-5	Aroclor 1260	2	1.2	60	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	48%	30-150%
877-09-8	Tetrachloro-m-xylene	46%	30-150%
2051-24-3	Decachlorobiphenyl	51%	30-150%
2051-24-3	Decachlorobiphenyl	44%	30-150%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP36184-MS	BK33205.D	1	12/17/13	AP	12/13/13	OP36184	GBK1091
OP36184-MSD	BK33206.D	1	12/17/13	AP	12/13/13	OP36184	GBK1091
MC27008-16	BK33207.D	1	12/17/13	AP	12/12/13	OP36184	GBK1091

The QC reported here applies to the following samples: **Method:** SW846 8082

MC27081-3

CAS No.	Compound	MC27008-16 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		2	1.2	60	1.9	95	45	40-140/50
11104-28-2	Aroclor 1221	ND			ND		ND		nc	40-140/50
11141-16-5	Aroclor 1232	ND			ND		ND		nc	40-140/50
53469-21-9	Aroclor 1242	ND			ND		ND		nc	40-140/50
12672-29-6	Aroclor 1248	ND			ND		ND		nc	40-140/50
11097-69-1	Aroclor 1254	ND			ND		ND		nc	40-140/50
11096-82-5	Aroclor 1260	ND		2	1.2	60	2.0	100	50	40-140/50

CAS No.	Surrogate Recoveries	MS	MSD	MC27008-16	Limits
877-09-8	Tetrachloro-m-xylene	60%	86%	86%	30-150%
877-09-8	Tetrachloro-m-xylene	55%	76%	77%	30-150%
2051-24-3	Decachlorobiphenyl	51%	88%	79%	30-150%
2051-24-3	Decachlorobiphenyl	45%	80%	72%	30-150%

* = Outside of Control Limits.

Semivolatile Surrogate Recovery Summary

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8082 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
MC27081-3	BK33210.D	83.0	75.0	97.0	89.0
OP36184-BS	BK33199.D	48.0	46.0	51.0	44.0
OP36184-MB	BK33198.D	60.0	50.0	64.0	56.0
OP36184-MS	BK33205.D	60.0	55.0	51.0	45.0
OP36184-MSD	BK33206.D	86.0	76.0	88.0	80.0

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	30-150%
S2 = Decachlorobiphenyl	30-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	GBK1091-CC1090	**Injection Date:**	12/17/13
Lab File ID:	BK33197.D	**Injection Time:**	08:08
Instrument ID:	GCBK	**Method:**	SW846 8082

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.82	2.70	10.18	10.66

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP36184-MB	BK33198.D	12/17/13	08:33	2.82	2.70	10.18	10.66
OP36184-BS	BK33199.D	12/17/13	08:52	2.80	2.70	10.17	10.66
ZZZZZZ	BK33200.D	12/17/13	09:11	2.81	2.70	10.17	10.66
ZZZZZZ	BK33201.D	12/17/13	09:30	2.81	2.70	10.17	10.66
ZZZZZZ	BK33202.D	12/17/13	09:49	2.80	2.70	10.17	10.66
ZZZZZZ	BK33203.D	12/17/13	10:08	2.80	2.70	10.17	10.66
ZZZZZZ	BK33204.D	12/17/13	10:27	2.80	2.70	10.17	10.66
OP36184-MS	BK33205.D	12/17/13	10:46	2.80	2.70	10.17	10.66
OP36184-MSD	BK33206.D	12/17/13	11:05	2.80	2.70	10.17	10.66
MC27008-16	BK33207.D	12/17/13	11:24	2.81	2.70	10.17	10.66

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: MC27081
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	GBK1091-CC1090	**Injection Date:**	12/17/13
Lab File ID:	BK33208.D	**Injection Time:**	11:43
Instrument ID:	GCBK	**Method:**	SW846 8082

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.81	2.70	10.17	10.66

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
ZZZZZZ	BK33209.D	12/17/13	12:04	2.81	2.70	10.18	10.66
MC27081-3	BK33210.D	12/17/13	12:23	2.80	2.70	10.17	10.66
ZZZZZZ	BK33211.D	12/17/13	12:42	2.80	2.70	10.17	10.66
ZZZZZZ	BK33212.D	12/17/13	13:01	2.80	2.70	10.17	10.66
ZZZZZZ	BK33213.D	12/17/13	13:20	2.80	2.70	10.17	10.66
ZZZZZZ	BK33214.D	12/17/13	13:39	2.80	2.70	10.17	10.66
ZZZZZZ	BK33215.D	12/17/13	13:58	2.81	2.70	10.17	10.66
ZZZZZZ	BK33216.D	12/17/13	14:17	2.81	2.71	10.28	10.75
GBK1091-ECC1091	BK33217.D	12/17/13	15:26	2.82	2.71	10.18	10.66

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: MC27081 **Sample:** GBK1090-ICC1090
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK33132.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report GCBK

Method : C:\msdchem\1\METHODS\PC131216.M (ChemStation Integrator)
Title : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration

Calibration Files
1 =BK33130.d 2 =BK33131.d 3 =BK33132.d 4 =BK33133.d
5 =BK33134.d 6 =BK33135.d

		Compound	1	2	3	4	5	6	Avg		%RSD
1)	s	TCMX	2.141	2.229	2.148	1.968	1.960	1.874	2.053	E8	6.74
2)		AR1016-A	3.502	3.742	3.765	3.101	3.367	3.139	3.436	E6	8.35
3)		AR1016-B	7.295	7.904	7.691	7.210	7.960	7.759	7.637	E6	4.11
4)		AR1016-C	1.308	1.405	1.309	1.160	1.229	1.162	1.262	E7	7.63
5)		AR1016-D	1.028	1.024	1.007	0.861	0.923	0.780	0.937	E7	10.83
6)		AR1016-E	5.907	6.228	5.988	5.578	6.287	6.230	6.036	E6	4.48
7)		AR1260-A	0.972	1.053	0.988	0.962	1.057	1.006	1.006	E7	4.05
8)		AR1260-B	1.771	1.836	1.801	1.701	1.849	1.795	1.792	E7	2.94
9)		AR1260-C	3.068	3.288	3.197	3.030	3.138	3.073	3.132	E7	3.08
10)		AR1260-D	2.196	2.260	2.170	2.001	2.067	1.902	2.099	E7	6.38
11)		AR1260-E	2.135	2.377	2.277	2.157	2.340	2.298	2.264	E7	4.33
12)		AR1260-F	5.367	5.889	5.743	5.285	5.625	5.251	5.527	E6	4.77
13)	s	DCB	1.919	2.093	2.016	1.886	2.050	2.105	2.012	E8	4.51
14)		AR1221-A			1.659				1.659	E6	0.00
15)		AR1221-B			1.650				1.650	E6	0.00
16)		AR1221-C			4.356				4.356	E6	0.00
17)		AR1232-A			3.430				3.430	E6	0.00
18)		AR1232-B			3.473				3.473	E6	0.00
19)		AR1232-C			5.447				5.447	E6	0.00
20)		AR1232-D			4.074				4.074	E6	0.00
21)		AR1232-E			5.454				5.454	E6	0.00
22)		AR1242-A			2.010				2.010	E6	0.00
23)		AR1242-B			4.719				4.719	E6	0.00
24)		AR1242-C			7.582				7.582	E6	0.00
25)		AR1242-D			6.648				6.648	E6	0.00
26)		AR1242-E			7.278				7.278	E6	0.00
27)		AR1248-A			2.740				2.740	E6	0.00
28)		AR1248-B			5.038				5.038	E6	0.00
29)		AR1248-C			1.074				1.074	E7	0.00
30)		AR1248-D			1.298				1.298	E7	0.00
31)		AR1248-E			1.419				1.419	E7	0.00
32)		AR1254-A			1.217				1.217	E7	0.00
33)		AR1254-B			1.568				1.568	E7	0.00
34)		AR1254-C			2.263				2.263	E7	0.00
35)		AR1254-D			5.926				5.926	E6	0.00
36)		AR1254-E			1.045				1.045	E7	0.00
37)		AR1262-A			7.517				7.517	E6	0.00
38)		AR1262-B			1.446				1.446	E7	0.00
39)		AR1262-C			2.830				2.830	E7	0.00
40)		AR1262-D			3.051				3.051	E7	0.00
41)		AR1262-E			8.854				8.854	E6	0.00
42)		AR1268-A			6.581				6.581	E6	0.00
43)		AR1268-B			7.377				7.377	E6	0.00
44)		AR1268-C			5.585				5.585	E7	0.00
45)		AR1268-D			2.012				2.012	E7	0.00
46)		AR1268-E			5.573				5.573	E7	0.00

Initial Calibration Summary

Job Number: MC27081 **Sample:** GBK1090-ICC1090
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK33132.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Signal #2

1)	s	TCMX	6.169	6.454	6.242	5.872	5.820	5.447	6.001 E6	6.00
2)		AR1016-A	0.927	1.026	1.010	1.004	1.074	0.966	1.001 E5	5.02
3)		AR1016-B	2.076	2.282	2.252	2.220	2.453	2.248	2.255 E5	5.36
4)		AR1016-C	4.146	4.390	4.263	3.905	4.201	3.957	4.144 E5	4.45
5)		AR1016-D	1.708	1.825	1.758	1.645	1.722	1.453	1.685 E5	7.61
6)		AR1016-E	1.925	2.082	2.037	2.005	2.071	1.892	2.002 E5	3.89
7)		AR1260-A	2.683	2.935	2.859	2.765	3.019	2.944	2.868 E5	4.36
8)		AR1260-B	3.250	3.637	3.472	3.368	3.538	3.424	3.448 E5	3.90
9)		AR1260-C	8.222	9.004	8.653	8.336	9.093	8.904	8.702 E5	4.15
10)		AR1260-D	6.193	6.723	6.405	5.866	6.166	6.050	6.234 E5	4.78
11)		AR1260-E	5.901	6.563	6.297	5.938	6.409	6.251	6.226 E5	4.20
12)		AR1260-F	1.672	1.840	1.802	1.664	1.794	1.716	1.748 E5	4.23
13)	s	DCB	5.410	5.905	5.728	5.376	5.706	5.885	5.668 E6	4.03
14)		AR1221-A			3.575				3.575 E4	0.00
15)		AR1221-B			5.025				5.025 E4	0.00
16)		AR1221-C			1.214				1.214 E5	0.00
17)		AR1232-A			1.044				1.044 E5	0.00
18)		AR1232-B			1.001				1.001 E5	0.00
19)		AR1232-C			1.828				1.828 E5	0.00
20)		AR1232-D			1.205				1.205 E5	0.00
21)		AR1232-E			1.879				1.879 E5	0.00
22)		AR1242-A			6.596				6.596 E4	0.00
23)		AR1242-B			1.492				1.492 E5	0.00
24)		AR1242-C			2.638				2.638 E5	0.00
25)		AR1242-D			1.991				1.991 E5	0.00
26)		AR1242-E			2.526				2.526 E5	0.00
27)		AR1248-A			8.422				8.422 E4	0.00
28)		AR1248-B			1.844				1.844 E5	0.00
29)		AR1248-C			3.160				3.160 E5	0.00
30)		AR1248-D			4.711				4.711 E5	0.00
31)		AR1248-E			2.900				2.900 E5	0.00
32)		AR1254-A			2.818				2.818 E5	0.00
33)		AR1254-B			4.285				4.285 E5	0.00
34)		AR1254-C			6.774				6.774 E5	0.00
35)		AR1254-D			3.553				3.553 E5	0.00
36)		AR1254-E			3.073				3.073 E5	0.00
37)		AR1262-A			2.355				2.355 E5	0.00
38)		AR1262-B			2.555				2.555 E5	0.00
39)		AR1262-C			8.037				8.037 E5	0.00
40)		AR1262-D			8.151				8.151 E5	0.00
41)		AR1262-E			2.546				2.546 E5	0.00
42)		AR1268-A			1.626				1.626 E5	0.00
43)		AR1268-B			2.046				2.046 E5	0.00
44)		AR1268-C			1.581				1.581 E6	0.00
45)		AR1268-D			5.644				5.644 E5	0.00
46)		AR1268-E			1.687				1.687 E6	0.00

(#) = Out of Range

PC131216.M Mon Dec 16 14:13:09 2013

8.6.1

8

Initial Calibration Verification

Job Number: MC27081 **Sample:** GBK1090-ICV1090
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK33140.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...16\BK33140.d\ECD1A.ch Vial: 61
Signal #2 : C:\msdchem\1\DATA\BK131216\BK33140.d\ECD2B.ch
Acq On    : 16 Dec 2013  11:32 am                    Operator: andrip
Sample    : icv1090-500,a16/60                       Inst    : GCBK
Misc      : op36119,gbk1090,1000,,,5,,s              Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC131216.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Mon Dec 16 14:10:13 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	s	TCMX	205.323	205.941 E6	-0.3	96	0.00	2.71- 2.91
2		AR1016-A	3.436	3.414 E6	0.6	91	0.00	3.03- 3.23
3		AR1016-B	7.637	7.154 E6	6.3	93	0.00	3.37- 3.57
4		AR1016-C	12.619	11.828 E6	6.3	90	0.00	3.86- 4.06
5		AR1016-D	9.372	9.216 E6	1.7	92	0.00	4.08- 4.14
6		AR1016-E	6.036	5.651 E6	6.4	94	0.00	4.54- 4.60
7		AR1260-A	10.062	9.504 E6	5.5	96	0.00	6.05- 6.25
8		AR1260-B	17.920	17.200 E6	4.0	95	0.00	6.44- 6.64
9		AR1260-C	31.322	30.095 E6	3.9	94	0.00	7.01- 7.21
10		AR1260-D	20.992	19.701 E6	6.1	91	0.00	7.86- 8.06
11		AR1260-E	22.638	22.040 E6	2.6	97	0.00	8.31- 8.51
12		AR1260-F	5.527	5.529 E6	-0.0	96	0.00	9.30- 9.50
13	s	DCB	201.155	198.332 E6	1.4	98	0.00	10.07-10.27
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					

Initial Calibration Verification

Job Number: MC27081 **Sample:** GBK1090-ICV1090
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK33140.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42		AR1268-A		----------NA----------				
43		AR1268-B		----------NA----------				
44		AR1268-C		----------NA----------				
45		AR1268-D		----------NA----------				
46		AR1268-E		----------NA----------				
*****		Signal #2 *****						
1	s	TCMX	6.001	6.365 E6	-6.1	102	0.00	2.60- 2.80
2		AR1016-A	100.125	94.726 E3	5.4	94	0.00	3.03- 3.23
3		AR1016-B	225.501	216.212 E3	4.1	96	0.00	3.42- 3.62
4		AR1016-C	414.359	416.763 E3	-0.6	98	0.00	3.90- 4.10
5		AR1016-D	168.499	164.204 E3	2.5	93	0.00	4.11- 4.17
6		AR1016-E	200.212	200.436 E3	-0.1	98	0.00	4.66- 4.72
7		AR1260-A	286.761	282.918 E3	1.3	99	0.00	6.26- 6.46
8		AR1260-B	344.840	338.873 E3	1.7	98	0.00	6.56- 6.76
9		AR1260-C	870.207	841.236 E3	3.3	97	0.00	7.23- 7.43
10		AR1260-D	623.386	595.055 E3	4.5	93	0.00	8.07- 8.27
11		AR1260-E	622.641	615.873 E3	1.1	98	0.00	8.66- 8.86
12		AR1260-F	174.803	183.271 E3	-4.8	102	0.00	9.59- 9.79
13	s	DCB	5.668	5.802 E6	-2.4	101	0.00	10.56-10.76
14		AR1221-A		----------NA----------				
15		AR1221-B		----------NA----------				
16		AR1221-C		----------NA----------				
17		AR1232-A		----------NA----------				
18		AR1232-B		----------NA----------				
19		AR1232-C		----------NA----------				
20		AR1232-D		----------NA----------				
21		AR1232-E		----------NA----------				
22		AR1242-A		----------NA----------				
23		AR1242-B		----------NA----------				
24		AR1242-C		----------NA----------				
25		AR1242-D		----------NA----------				
26		AR1242-E		----------NA----------				
27		AR1248-A		----------NA----------				
28		AR1248-B		----------NA----------				
29		AR1248-C		----------NA----------				
30		AR1248-D		----------NA----------				
31		AR1248-E		----------NA----------				
32		AR1254-A		----------NA----------				
33		AR1254-B		----------NA----------				
34		AR1254-C		----------NA----------				
35		AR1254-D		----------NA----------				
36		AR1254-E		----------NA----------				
37		AR1262-A		----------NA----------				
38		AR1262-B		----------NA----------				
39		AR1262-C		----------NA----------				
40		AR1262-D		----------NA----------				
41		AR1262-E		----------NA----------				
42		AR1268-A		----------NA----------				
43		AR1268-B		----------NA----------				
44		AR1268-C		----------NA----------				
45		AR1268-D		----------NA----------				
46		AR1268-E		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK33132.d PC131216.M Mon Dec 16 14:13:04 2013

8.6.2

8

Continuing Calibration Summary

Job Number: MC27081 **Sample:** GBK1091-CC1090
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK33197.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...17\BK33197.d\ECD1A.ch Vial: 100
Signal #2 : C:\msdchem\1\DATA\BK131217\BK33197.d\ECD2B.ch
Acq On    : 17 Dec 2013   8:08 am                    Operator: andrip
Sample    : cc1090-750,a16/60                        Inst    : GCBK
Misc      : op36119,gbk1091,1000,,,5,,s              Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC131217.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Mon Dec 16 14:10:13 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	s	TCMX	205.323	225.495 E6	-9.8	101	0.01	2.72- 2.92
2		AR1016-A	3.436	3.357 E6	2.3	90	0.01	3.04- 3.24
3		AR1016-B	7.637	7.578 E6	0.8	96	0.01	3.39- 3.59
4		AR1016-C	12.619	13.716 E6	-8.7	98	0.01	3.88- 4.08
5		AR1016-D	9.372	10.524 E6	-12.3	103	0.01	4.09- 4.15
6		AR1016-E	6.036	6.287 E6	-4.2	101	0.01	4.56- 4.62
7		AR1260-A	10.062	10.384 E6	-3.2	99	0.01	6.06- 6.26
8		AR1260-B	17.920	18.780 E6	-4.8	102	0.01	6.45- 6.65
9		AR1260-C	31.322	33.370 E6	-6.5	101	0.00	7.03- 7.23
10		AR1260-D	20.992	23.764 E6	-13.2	105	0.00	7.87- 8.07
11		AR1260-E	22.638	24.062 E6	-6.3	101	0.00	8.32- 8.52
12		AR1260-F	5.527	6.105 E6	-10.5	104	0.00	9.31- 9.51
13	s	DCB	201.155	210.059 E6	-4.4	100	0.00	10.08-10.28
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					

Continuing Calibration Summary

Job Number: MC27081 **Sample:** GBK1091-CC1090
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK33197.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					
45		AR1268-D	----------NA----------					
46		AR1268-E	----------NA----------					
*****		Signal #2 *****						
1	s	TCMX	6.001	5.666 E6	5.6	88	0.00	2.60- 2.80
2		AR1016-A	100.125	86.831 E3	13.3	85#	0.00	3.04- 3.24
3		AR1016-B	225.501	195.207 E3	13.4	86	0.00	3.42- 3.62
4		AR1016-C	414.359	371.559 E3	10.3	85#	0.00	3.90- 4.10
5		AR1016-D	168.499	157.852 E3	6.3	87	0.00	4.12- 4.18
6		AR1016-E	200.212	176.712 E3	11.7	85#	0.00	4.66- 4.72
7		AR1260-A	286.761	250.428 E3	12.7	85	0.00	6.27- 6.47
8		AR1260-B	344.840	309.487 E3	10.3	85	0.00	6.56- 6.76
9		AR1260-C	870.207	778.496 E3	10.5	86	0.00	7.23- 7.43
10		AR1260-D	623.386	588.573 E3	5.6	88	0.00	8.08- 8.28
11		AR1260-E	622.641	571.097 E3	8.3	87	0.00	8.66- 8.86
12		AR1260-F	174.803	161.383 E3	7.7	88	0.00	9.60- 9.80
13	s	DCB	5.668	5.180 E6	8.6	88	0.00	10.56-10.76
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					
42		AR1268-A	----------NA----------					
43		AR1268-B	----------NA----------					
44		AR1268-C	----------NA----------					
45		AR1268-D	----------NA----------					
46		AR1268-E	----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK33131.d PC131217.M Tue Dec 17 08:27:54 2013

8.6.3

Continuing Calibration Summary

Job Number: MC27081 **Sample:** GBK1091-CC1090
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK33208.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...17\BK33208.d\ECD1A.ch Vial: 100
Signal #2 : C:\msdchem\1\DATA\BK131217\BK33208.d\ECD2B.ch
Acq On    : 17 Dec 2013  11:43 am                    Operator: andrip
Sample    : cc1090-750,a16/60                        Inst    : GCBK
Misc      : op36119,gbk1091,1000,,,5,,s              Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC131217.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Mon Dec 16 14:10:13 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	s	TCMX	205.323	220.594 E6	-7.4	99	0.00	2.71- 2.91
2		AR1016-A	3.436	3.465 E6	-0.8	93	0.00	3.03- 3.23
3		AR1016-B	7.637	7.083 E6	7.3	90	0.00	3.38- 3.58
4		AR1016-C	12.619	14.390 E6	-14.0	102	0.00	3.86- 4.06
5		AR1016-D	9.372	10.951 E6	-16.8#	107	0.00	4.08- 4.14
6		AR1016-E	6.036	6.759 E6	-12.0	109	0.00	4.54- 4.60
7		AR1260-A	10.062	11.529 E6	-14.6	110	0.00	6.04- 6.24
8		AR1260-B	17.920	21.099 E6	-17.7#	115	0.00	6.44- 6.64
9		AR1260-C	31.322	36.512 E6	-16.6#	111	0.00	7.01- 7.21
10		AR1260-D	20.992	25.783 E6	-22.8#	114	0.00	7.86- 8.06
11		AR1260-E	22.638	27.824 E6	-22.9#	117#	0.00	8.30- 8.50
12		AR1260-F	5.527	7.094 E6	-28.4#	120#	0.00	9.30- 9.50
13	s	DCB	201.155	240.029 E6	-19.3#	115	0.00	10.07-10.27
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					

Continuing Calibration Summary

Job Number: MC27081 **Sample:** GBK1091-CC1090
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK33208.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42		AR1268-A	----------NA----------						
43		AR1268-B	----------NA----------						
44		AR1268-C	----------NA----------						
45		AR1268-D	----------NA----------						
46		AR1268-E	----------NA----------						
*****		Signal #2 *****							
1	s	TCMX	6.001	6.669	E6	-11.1	103	0.00	2.60- 2.80
2		AR1016-A	100.125	102.760	E3	-2.6	100	0.00	3.03- 3.23
3		AR1016-B	225.501	225.650	E3	-0.1	99	0.00	3.42- 3.62
4		AR1016-C	414.359	434.490	E3	-4.9	99	0.00	3.90- 4.10
5		AR1016-D	168.499	173.710	E3	-3.1	95	0.00	4.12- 4.18
6		AR1016-E	200.212	206.563	E3	-3.2	99	0.00	4.66- 4.72
7		AR1260-A	286.761	299.234	E3	-4.3	102	0.00	6.26- 6.46
8		AR1260-B	344.840	363.143	E3	-5.3	100	0.00	6.56- 6.76
9		AR1260-C	870.207	915.104	E3	-5.2	102	0.00	7.23- 7.43
10		AR1260-D	623.386	706.433	E3	-13.3	105	0.00	8.07- 8.27
11		AR1260-E	622.641	687.288	E3	-10.4	105	0.00	8.66- 8.86
12		AR1260-F	174.803	196.341	E3	-12.3	107	0.00	9.60- 9.80
13	s	DCB	5.668	6.257	E6	-10.4	106	0.00	10.56-10.76
14		AR1221-A	----------NA----------						
15		AR1221-B	----------NA----------						
16		AR1221-C	----------NA----------						
17		AR1232-A	----------NA----------						
18		AR1232-B	----------NA----------						
19		AR1232-C	----------NA----------						
20		AR1232-D	----------NA----------						
21		AR1232-E	----------NA----------						
22		AR1242-A	----------NA----------						
23		AR1242-B	----------NA----------						
24		AR1242-C	----------NA----------						
25		AR1242-D	----------NA----------						
26		AR1242-E	----------NA----------						
27		AR1248-A	----------NA----------						
28		AR1248-B	----------NA----------						
29		AR1248-C	----------NA----------						
30		AR1248-D	----------NA----------						
31		AR1248-E	----------NA----------						
32		AR1254-A	----------NA----------						
33		AR1254-B	----------NA----------						
34		AR1254-C	----------NA----------						
35		AR1254-D	----------NA----------						
36		AR1254-E	----------NA----------						
37		AR1262-A	----------NA----------						
38		AR1262-B	----------NA----------						
39		AR1262-C	----------NA----------						
40		AR1262-D	----------NA----------						
41		AR1262-E	----------NA----------						
42		AR1268-A	----------NA----------						
43		AR1268-B	----------NA----------						
44		AR1268-C	----------NA----------						
45		AR1268-D	----------NA----------						
46		AR1268-E	----------NA----------						

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK33131.d PC131217.M Tue Dec 17 12:02:42 2013

8.6.4

Continuing Calibration Summary

Job Number: MC27081 **Sample:** GBK1091-ECC1090
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK33217.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...17\BK33217.d\ECD1A.ch Vial: 100
Signal #2 : C:\msdchem\1\DATA\BK131217\BK33217.d\ECD2B.ch
Acq On    : 17 Dec 2013   3:26 pm                    Operator: andrip
Sample    : ecc1090-750,a16/60                       Inst    : GCBK
Misc      : op36119,gbk1091,1000,,,5,,s              Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC131217.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Mon Dec 16 14:10:13 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	s	TCMX	205.323	206.768 E6	-0.7	93	0.01	2.72- 2.92
2		AR1016-A	3.436	3.464 E6	-0.8	93	0.02	3.04- 3.24
3		AR1016-B	7.637	6.266 E6	18.0#	79#	0.02	3.40- 3.60
4		AR1016-C	12.619	14.285 E6	-13.2	102	0.02	3.88- 4.08
5		AR1016-D	9.372	10.877 E6	-16.1#	106	0.02	4.09- 4.15
6		AR1016-E	6.036	6.360 E6	-5.4	102	0.02	4.56- 4.62
7		AR1260-A	10.062	10.084 E6	-0.2	96	0.02	6.06- 6.26
8		AR1260-B	17.920	18.355 E6	-2.4	100	0.01	6.46- 6.66
9		AR1260-C	31.322	31.849 E6	-1.7	97	-0.15	6.87- 7.07
10		AR1260-D	20.992	22.917 E6	-9.2	101	0.01	7.88- 8.08
11		AR1260-E	22.638	23.707 E6	-4.7	100	0.01	8.32- 8.52
12		AR1260-F	5.527	5.917 E6	-7.1	100	0.01	9.31- 9.51
13	s	DCB	201.155	201.984 E6	-0.4	96	0.00	10.08-10.28
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					

Continuing Calibration Summary

Job Number: MC27081 **Sample:** GBK1091-ECC1090
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK33217.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42		AR1268-A			----------NA----------			
43		AR1268-B			----------NA----------			
44		AR1268-C			----------NA----------			
45		AR1268-D			----------NA----------			
46		AR1268-E			----------NA----------			
*****		Signal #2 *****						
1	s	TCMX	6.001	5.878 E6	2.0	91	0.00	2.61- 2.81
2		AR1016-A	100.125	88.938 E3	11.2	87	0.00	3.04- 3.24
3		AR1016-B	225.501	200.301 E3	11.2	88	0.00	3.42- 3.62
4		AR1016-C	414.359	390.500 E3	5.8	89	0.00	3.90- 4.10
5		AR1016-D	168.499	161.767 E3	4.0	89	0.00	4.12- 4.18
6		AR1016-E	200.212	189.758 E3	5.2	91	0.00	4.66- 4.72
7		AR1260-A	286.761	266.939 E3	6.9	91	0.00	6.27- 6.47
8		AR1260-B	344.840	322.563 E3	6.5	89	0.00	6.56- 6.76
9		AR1260-C	870.207	809.192 E3	7.0	90	0.00	7.23- 7.43
10		AR1260-D	623.386	620.984 E3	0.4	92	0.00	8.08- 8.28
11		AR1260-E	622.641	585.686 E3	5.9	89	0.00	8.66- 8.86
12		AR1260-F	174.803	162.125 E3	7.3	88	0.00	9.60- 9.80
13	s	DCB	5.668	5.141 E6	9.3	87	0.00	10.56-10.76
14		AR1221-A			----------NA----------			
15		AR1221-B			----------NA----------			
16		AR1221-C			----------NA----------			
17		AR1232-A			----------NA----------			
18		AR1232-B			----------NA----------			
19		AR1232-C			----------NA----------			
20		AR1232-D			----------NA----------			
21		AR1232-E			----------NA----------			
22		AR1242-A			----------NA----------			
23		AR1242-B			----------NA----------			
24		AR1242-C			----------NA----------			
25		AR1242-D			----------NA----------			
26		AR1242-E			----------NA----------			
27		AR1248-A			----------NA----------			
28		AR1248-B			----------NA----------			
29		AR1248-C			----------NA----------			
30		AR1248-D			----------NA----------			
31		AR1248-E			----------NA----------			
32		AR1254-A			----------NA----------			
33		AR1254-B			----------NA----------			
34		AR1254-C			----------NA----------			
35		AR1254-D			----------NA----------			
36		AR1254-E			----------NA----------			
37		AR1262-A			----------NA----------			
38		AR1262-B			----------NA----------			
39		AR1262-C			----------NA----------			
40		AR1262-D			----------NA----------			
41		AR1262-E			----------NA----------			
42		AR1268-A			----------NA----------			
43		AR1268-B			----------NA----------			
44		AR1268-C			----------NA----------			
45		AR1268-D			----------NA----------			
46		AR1268-E			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK33131.d PC131217.M Tue Dec 17 15:45:20 2013

8.6.5

8

New England ACCUTEST LABORATORIES

GC Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131217\
Data File : BK33210.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Dec 2013 12:23 pm
Operator : andrip
Sample : mc27081-3,op36184
Misc : op36184,gbk1091,830,,,5,,w
ALS Vial : 112 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 17 12:44:54 2013
Quant Method : C:\msdchem\1\METHODS\PC131217.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1)	s TCMX	2.803	2.701	6842.7E6	179.1E6	33.326	29.844
	Spiked Amount 40.000			Recovery	=	83.32%	74.61%
13)	s DCB	10.169	10.659	7800.0E6	200.8E6	38.776	35.418
	Spiked Amount 40.000			Recovery	=	96.94%	88.55%
	Target Compounds						

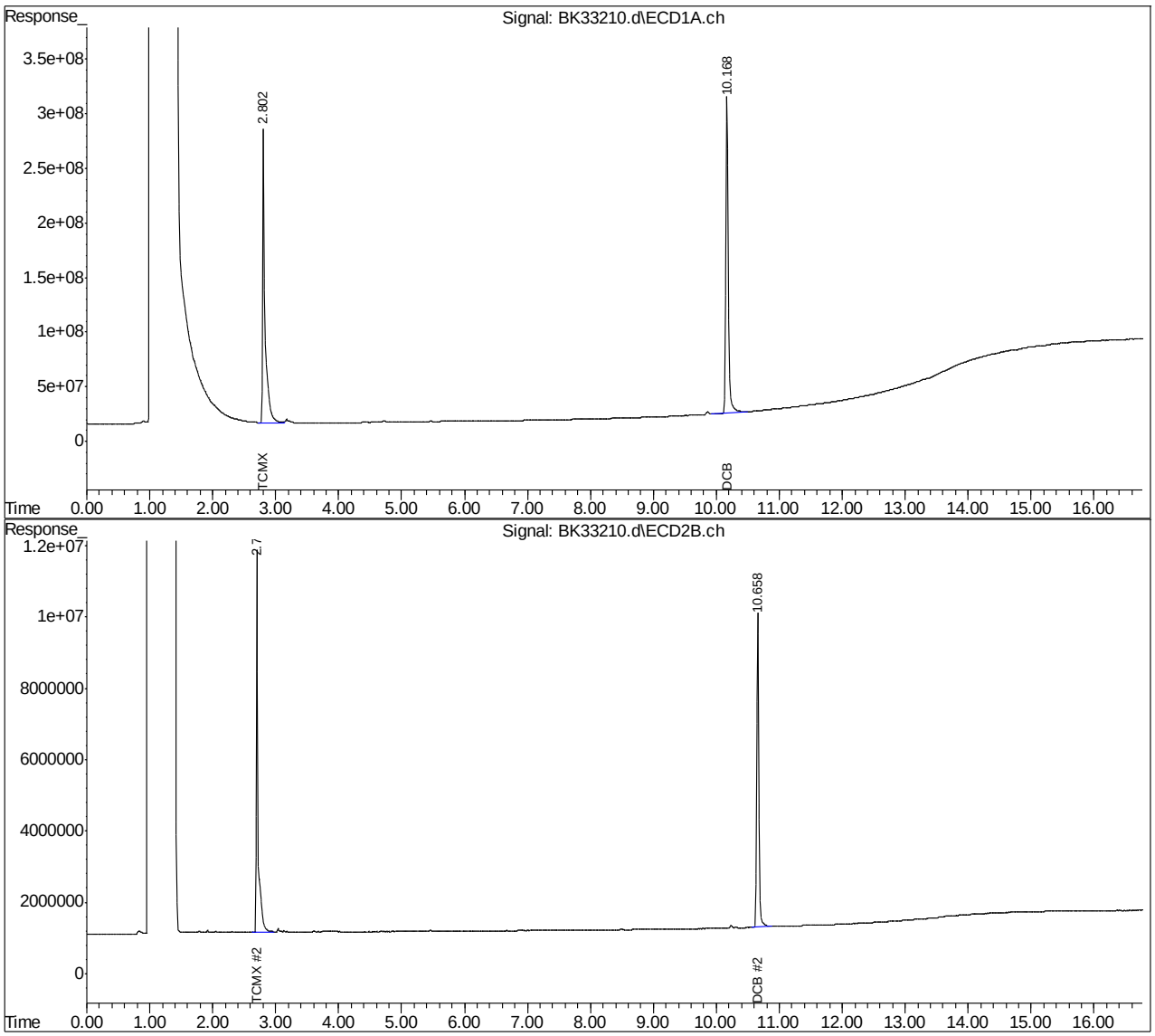
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

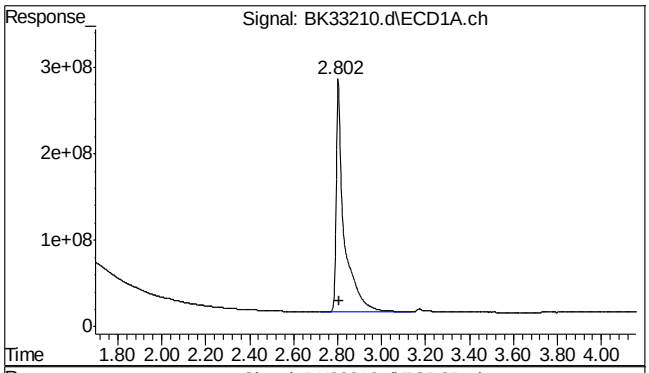
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131217\
Data File : BK33210.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Dec 2013 12:23 pm
Operator : andrip
Sample : mc27081-3,op36184
Misc : op36184,gbk1091,830,,,5,,w
ALS Vial : 112 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 17 12:44:54 2013
Quant Method : C:\msdchem\1\METHODS\PC131217.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

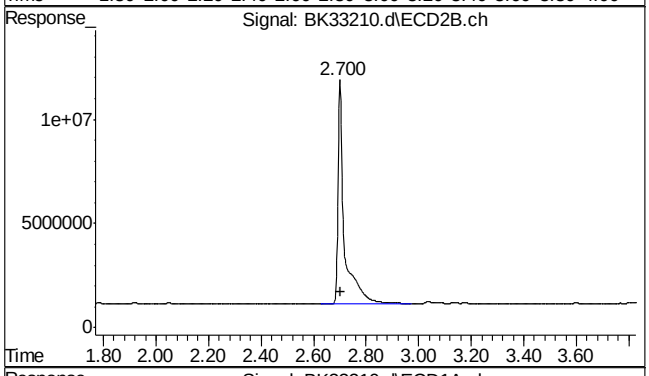
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





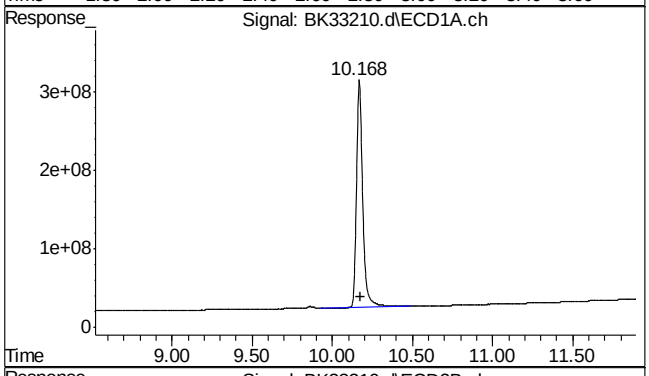
#1 TCMX

R.T.: 2.803 min
Delta R.T.: -0.003 min
Response: 6842667131
Conc: 33.33 ppb



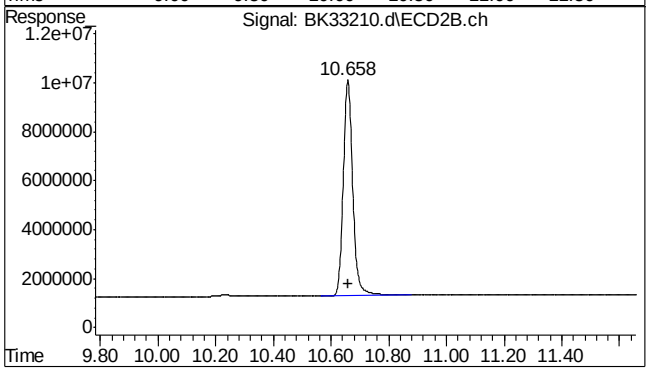
#1 TCMX

R.T.: 2.701 min
Delta R.T.: -0.002 min
Response: 179090008
Conc: 29.84 ppb



#13 DCB

R.T.: 10.169 min
Delta R.T.: -0.005 min
Response: 7799957598
Conc: 38.78 ppb



#13 DCB

R.T.: 10.659 min
Delta R.T.: -0.002 min
Response: 200760344
Conc: 35.42 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
12/17/13 13:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131217\
Data File : BK33198.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Dec 2013 8:33 am
Operator : andrip
Sample : op36184-mb
Misc : op36184,gbk1091,1000,,,5,,w
ALS Vial : 101 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 17 11:20:37 2013
Quant Method : C:\msdchem\1\METHODS\PC131217.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1)	s TCMX	2.821	2.705	4963.3E6	121.2E6	24.173	20.190m
	Spiked Amount 40.000			Recovery	=	60.43%	50.48%
13)	s DCB	10.183	10.665	5128.7E6	127.6E6	25.496	22.509
	Spiked Amount 40.000			Recovery	=	63.74%	56.27%
	Target Compounds						

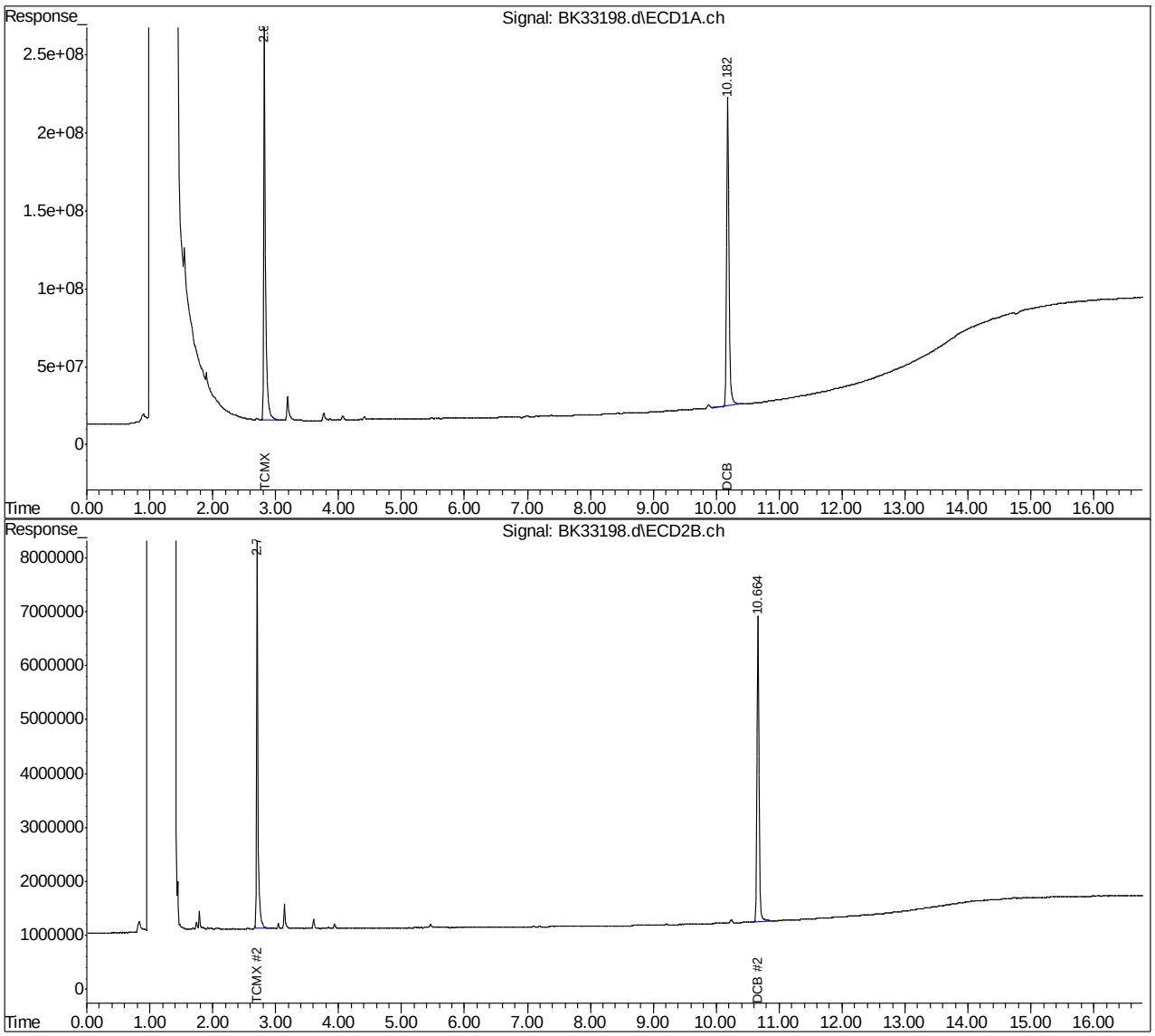
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

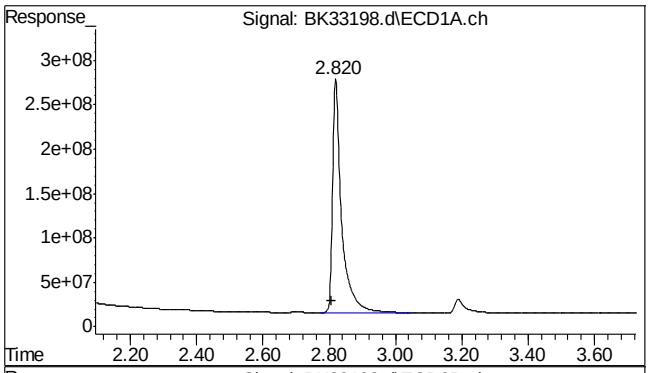
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131217\
Data File : BK33198.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Dec 2013 8:33 am
Operator : andrip
Sample : op36184-mb
Misc : op36184,gbk1091,1000,,,5,,w
ALS Vial : 101 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 17 11:20:37 2013
Quant Method : C:\msdchem\1\METHODS\PC131217.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

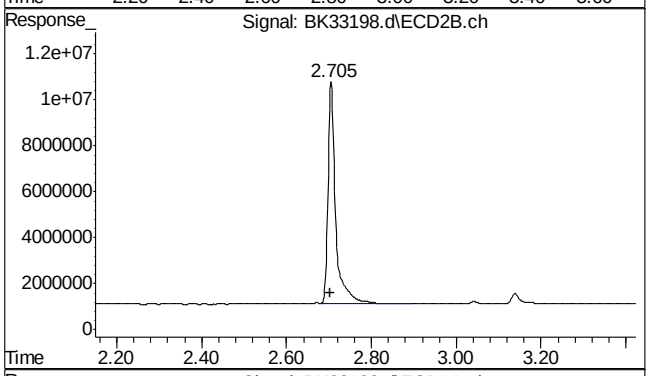
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





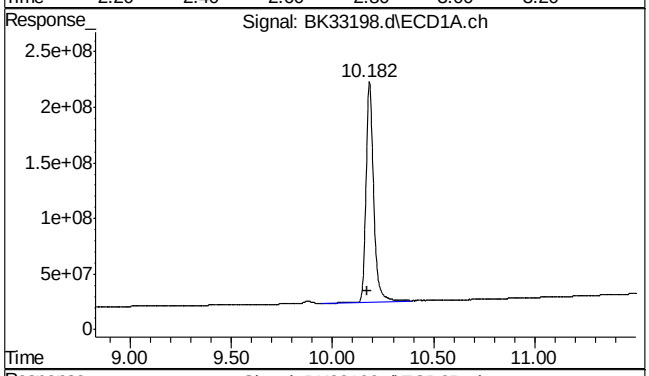
#1 TCMX

R.T.: 2.821 min
Delta R.T.: 0.015 min
Response: 4963273932
Conc: 24.17 ppb



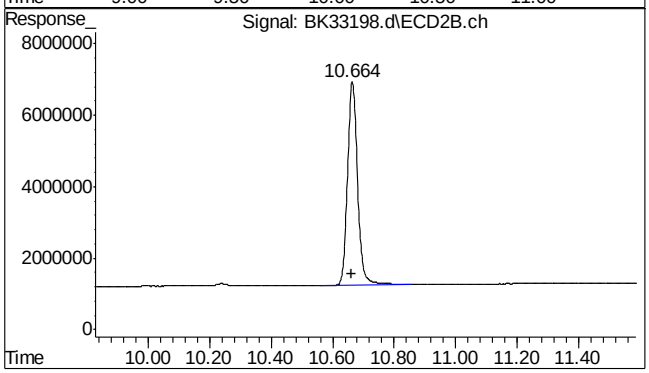
#1 TCMX

R.T.: 2.705 min
Delta R.T.: 0.002 min
Response: 121159377
Conc: 20.19 ppb m



#13 DCB

R.T.: 10.183 min
Delta R.T.: 0.009 min
Response: 5128730509
Conc: 25.50 ppb



#13 DCB

R.T.: 10.665 min
Delta R.T.: 0.004 min
Response: 127586415
Conc: 22.51 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
12/17/13 13:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131217\
Data File : BK33199.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Dec 2013 8:52 am
Operator : andrip
Sample : op36184-bs
Misc : op36184,gbk1091,1000,,,5,,w
ALS Vial : 102 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 17 11:22:40 2013
Quant Method : C:\msdchem\1\METHODS\PC131217.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.803	2.701	3955.3E6	109.3E6	19.264m	18.221m
	Spiked Amount 40.000			Recovery	=	48.16%	45.55%
13) s	DCB	10.169	10.659	4077.3E6	100.8E6	20.269	17.791
	Spiked Amount 40.000			Recovery	=	50.67%	44.48%
	Target Compounds						
2)	AR1016-A	3.126	3.133	774.4E6	23048208	225.364m	230.195
3)	AR1016-B	3.474	3.519	1813.4E6	49623281	237.458	220.058
4)	AR1016-C	3.959	3.997	2848.4E6	88471202	225.726m	213.513m
5)	AR1016-D	4.106	4.145	2266.8E6	38129285	241.870m	226.288m
6)	AR1016-E	4.570	4.688	1505.1E6	47064390	249.327m	235.073m
7)	AR1260-A	6.146	6.363	2850.2E6	70315739	283.269	245.207
8)	AR1260-B	6.539	6.660	4893.6E6	84873206	273.079m	246.123
9)	AR1260-C	7.112	7.331	8516.9E6	210.8E6	271.917m	242.209m
10)	AR1260-D	7.959	8.175	5738.2E6	149.1E6	273.347m	239.167
11)	AR1260-E	8.404	8.758	6174.2E6	148.1E6	272.738m	237.856m
12)	AR1260-F	9.396	9.695	1540.8E6	41184828	278.785m	235.608

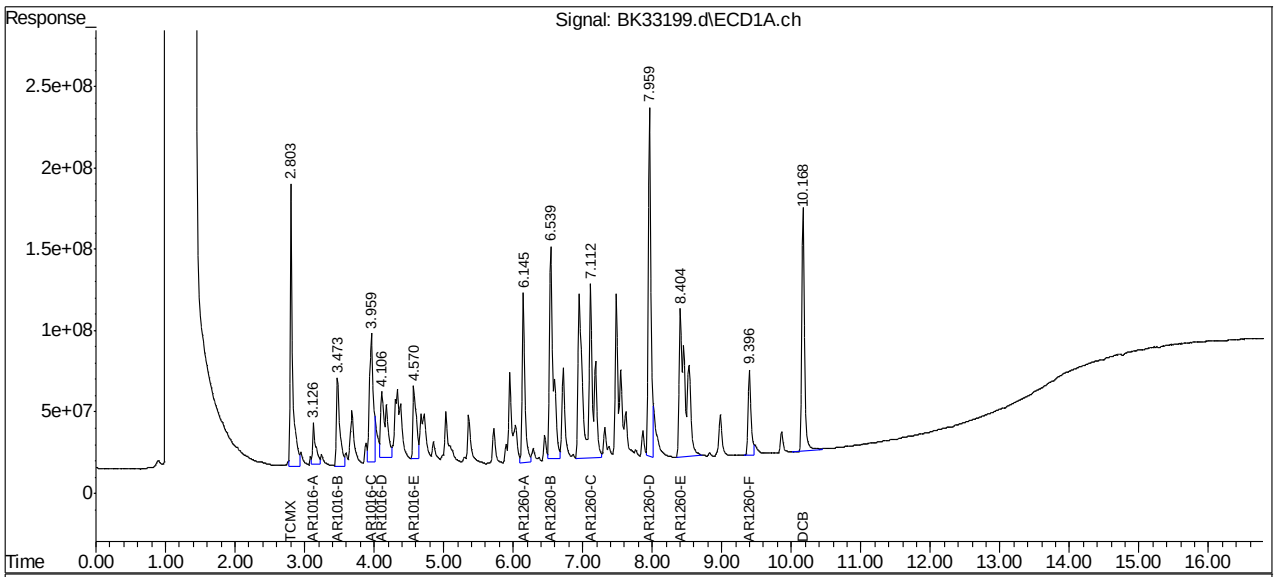
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

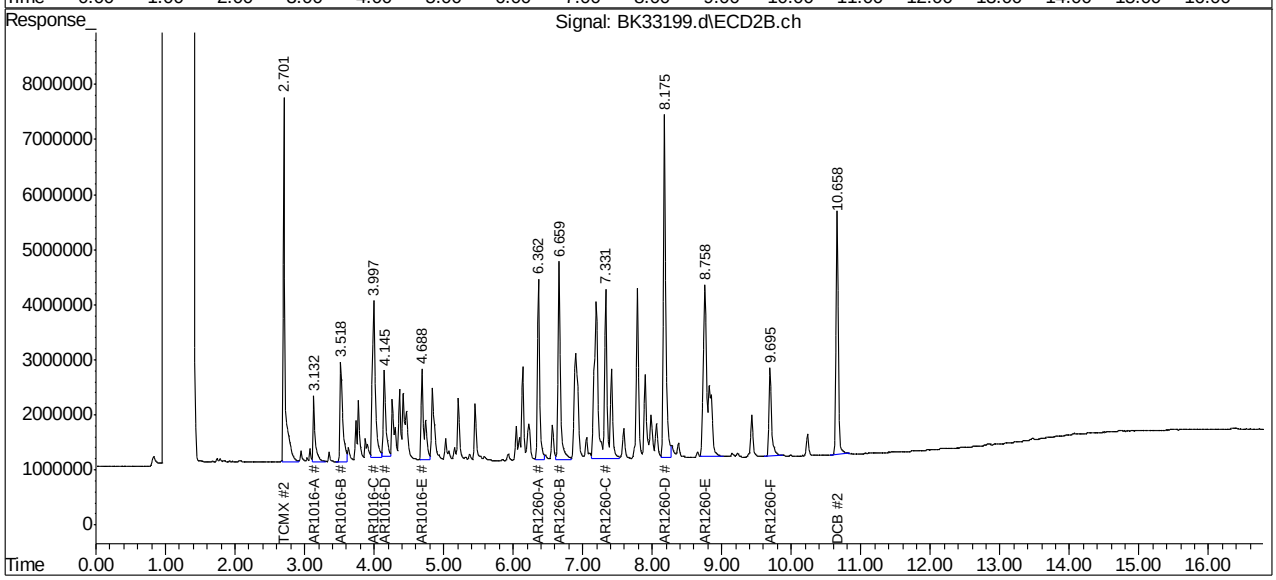
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131217\
Data File : BK33199.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Dec 2013 8:52 am
Operator : andrip
Sample : op36184-bs
Misc : op36184,gbk1091,1000,,,5,,w
ALS Vial : 102 Sample Multiplier: 1

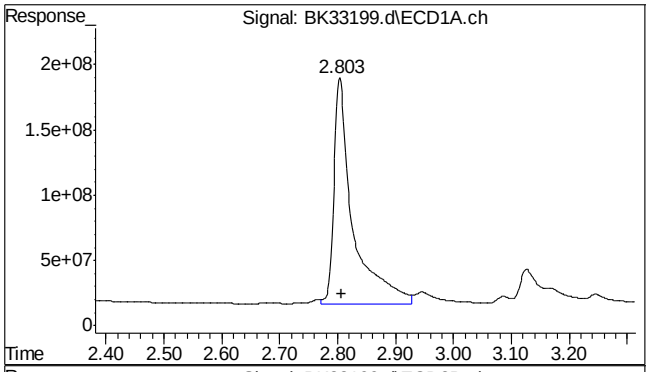
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 17 11:22:40 2013
Quant Method : C:\msdchem\1\METHODS\PC131217.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



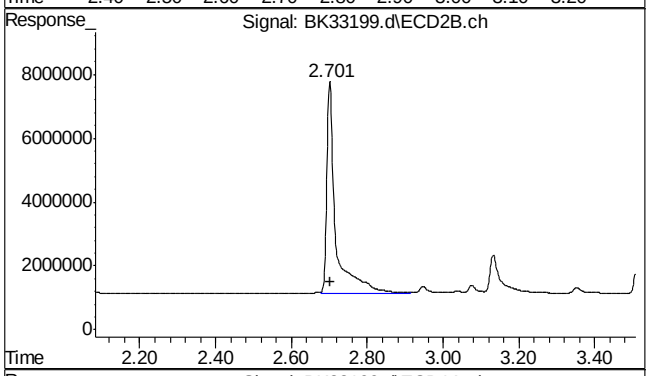


ACCUTEST LABORATORIES MC27081



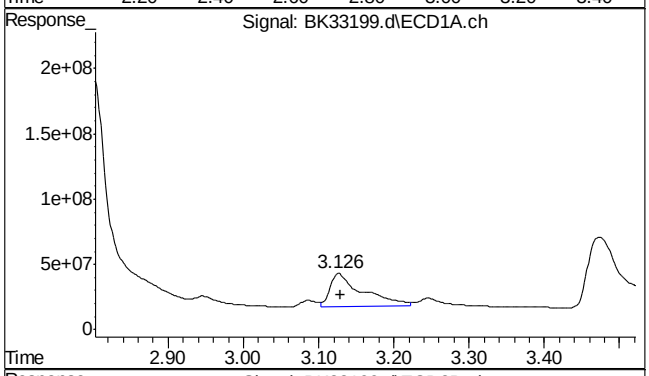
#1 TCMX

R.T.: 2.803 min
Delta R.T.: -0.003 min
Response: 3955280158
Conc: 19.26 ppb m



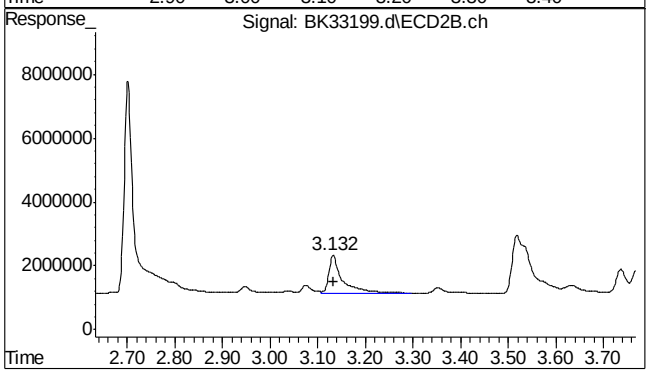
#1 TCMX

R.T.: 2.701 min
Delta R.T.: -0.002 min
Response: 109343258
Conc: 18.22 ppb m



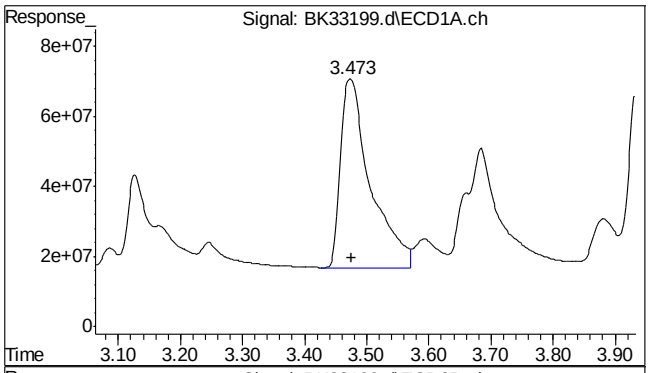
#2 AR1016-A

R.T.: 3.126 min
Delta R.T.: -0.003 min
Response: 774350646
Conc: 225.36 ppb m



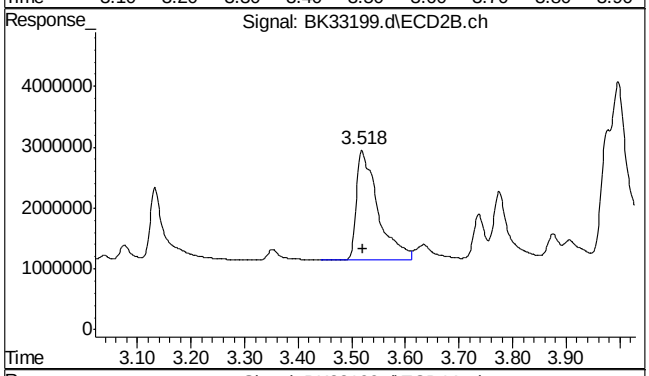
#2 AR1016-A

R.T.: 3.133 min
Delta R.T.: 0.000 min
Response: 23048208
Conc: 230.20 ppb



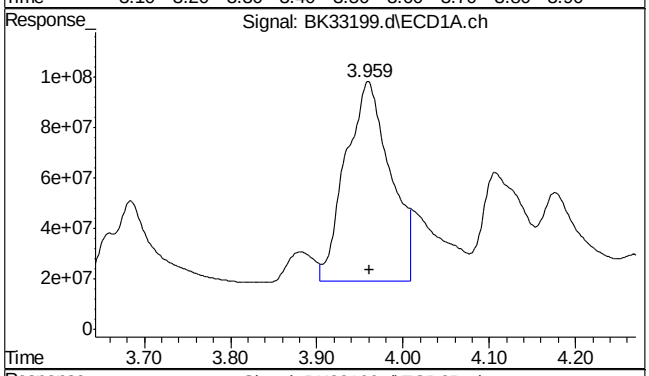
#3 AR1016-B

R.T.: 3.474 min
Delta R.T.: 0.000 min
Response: 1813398963
Conc: 237.46 ppb



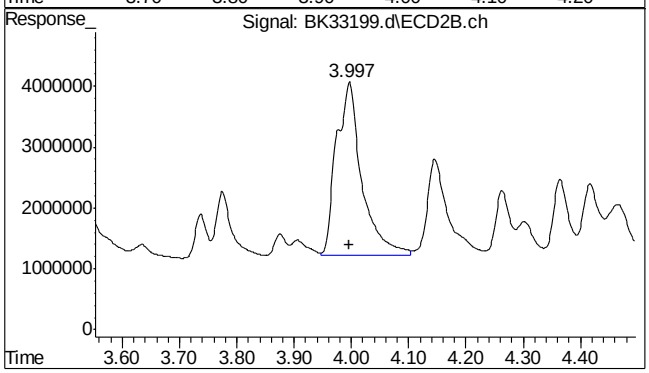
#3 AR1016-B

R.T.: 3.519 min
Delta R.T.: 0.000 min
Response: 49623281
Conc: 220.06 ppb



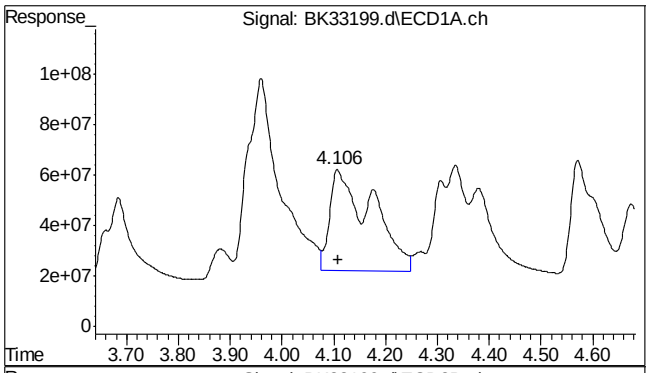
#4 AR1016-C

R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 2848400157
Conc: 225.73 ppb m



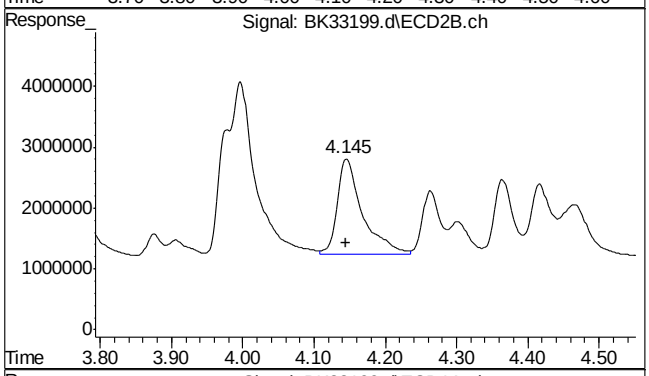
#4 AR1016-C

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 88471202
Conc: 213.51 ppb m



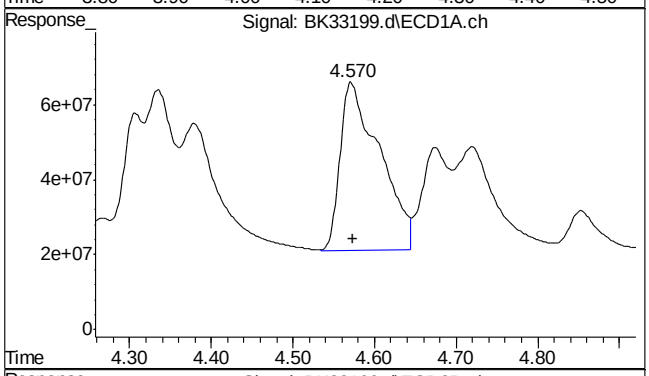
#5 AR1016-D

R.T.: 4.106 min
Delta R.T.: -0.002 min
Response: 2266809089
Conc: 241.87 m



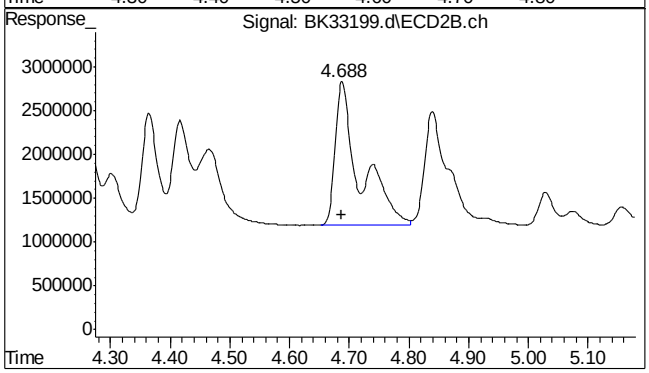
#5 AR1016-D

R.T.: 4.145 min
Delta R.T.: 0.000 min
Response: 38129285
Conc: 226.29 m



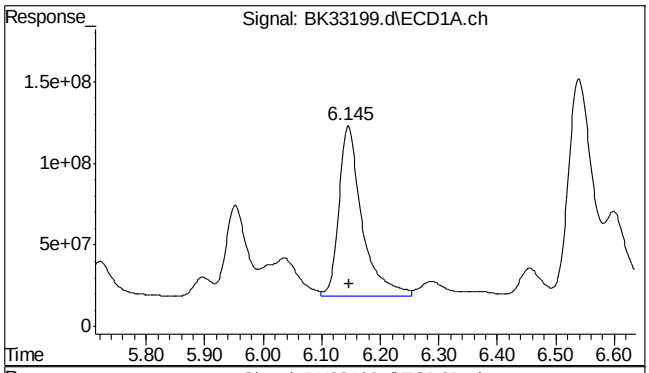
#6 AR1016-E

R.T.: 4.570 min
Delta R.T.: -0.003 min
Response: 1505052623
Conc: 249.33 m



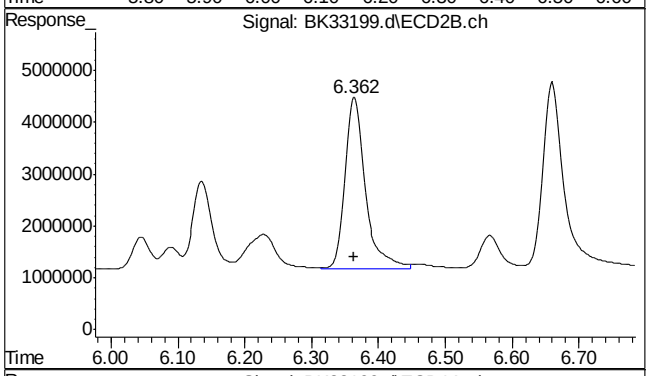
#6 AR1016-E

R.T.: 4.688 min
Delta R.T.: 0.000 min
Response: 47064390
Conc: 235.07 m



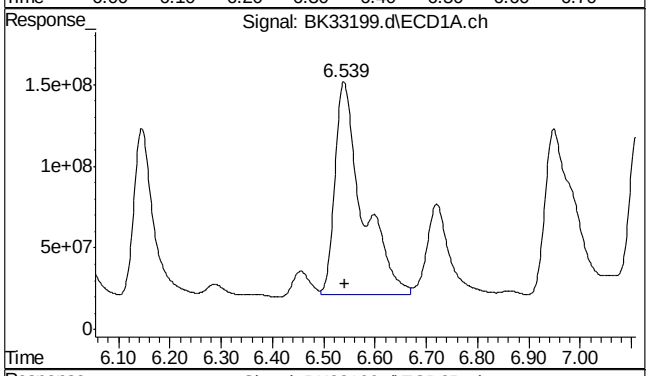
#7 AR1260-A

R.T.: 6.146 min
Delta R.T.: -0.002 min
Response: 2850153820
Conc: 283.27 ppb



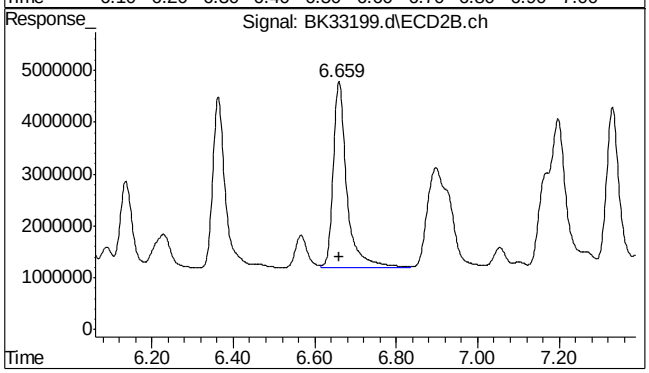
#7 AR1260-A

R.T.: 6.363 min
Delta R.T.: 0.000 min
Response: 70315739
Conc: 245.21 ppb



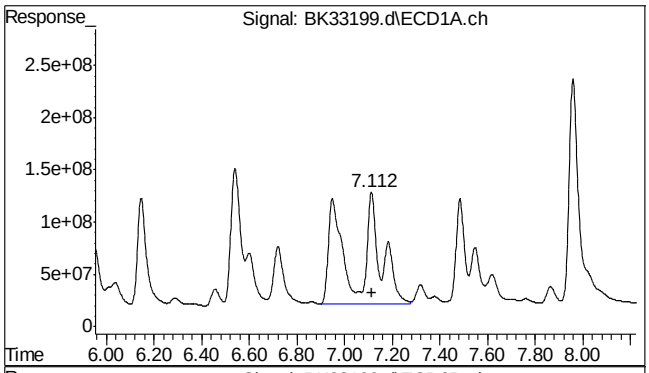
#8 AR1260-B

R.T.: 6.539 min
Delta R.T.: -0.002 min
Response: 4893594842
Conc: 273.08 ppb m



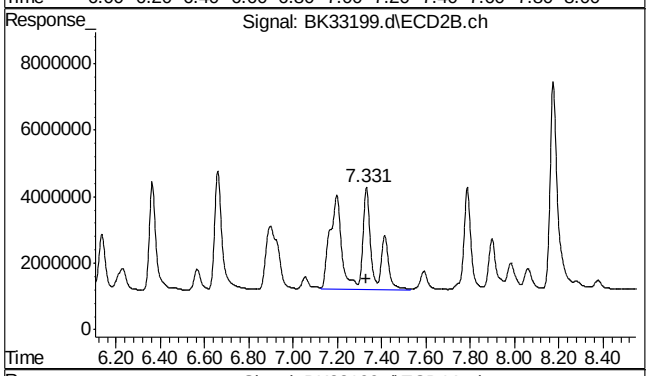
#8 AR1260-B

R.T.: 6.660 min
Delta R.T.: 0.000 min
Response: 84873206
Conc: 246.12 ppb



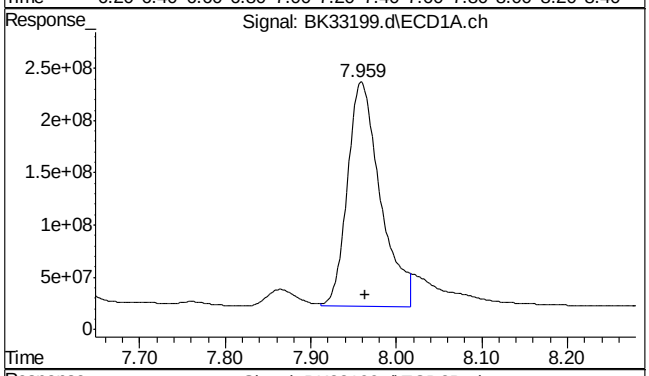
#9 AR1260-C

R.T.: 7.112 min
Delta R.T.: -0.004 min
Response: 8516898257
Conc: 271.92 ppb m



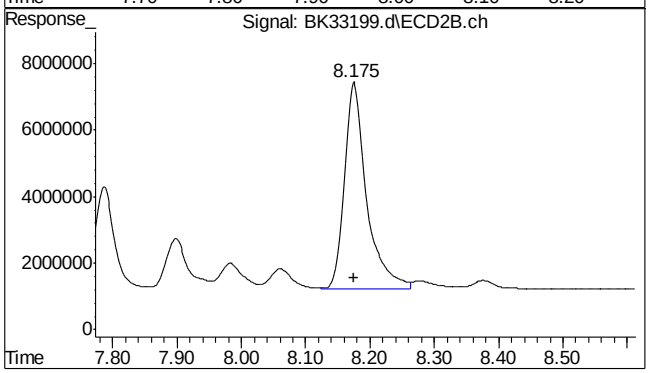
#9 AR1260-C

R.T.: 7.331 min
Delta R.T.: 0.000 min
Response: 210771946
Conc: 242.21 ppb m



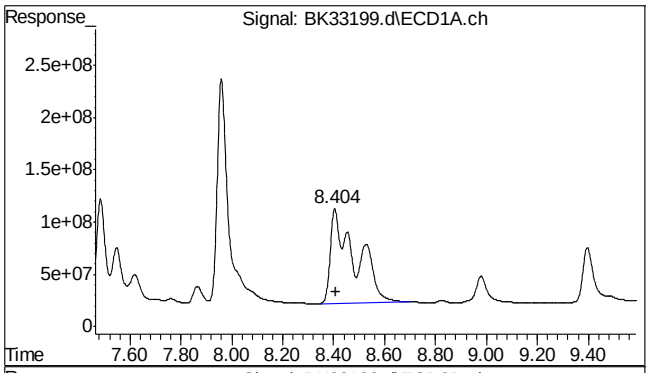
#10 AR1260-D

R.T.: 7.959 min
Delta R.T.: -0.004 min
Response: 5738173726
Conc: 273.35 ppb m



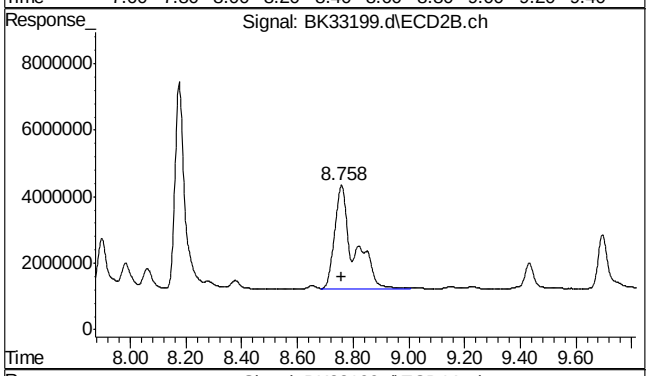
#10 AR1260-D

R.T.: 8.175 min
Delta R.T.: 0.000 min
Response: 149093106
Conc: 239.17 ppb



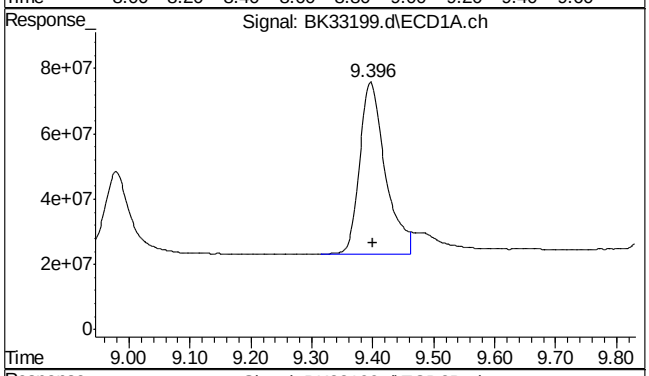
#11 AR1260-E

R.T.: 8.404 min
Delta R.T.: -0.004 min
Response: 6174212848
Conc: 272.74 ppb m



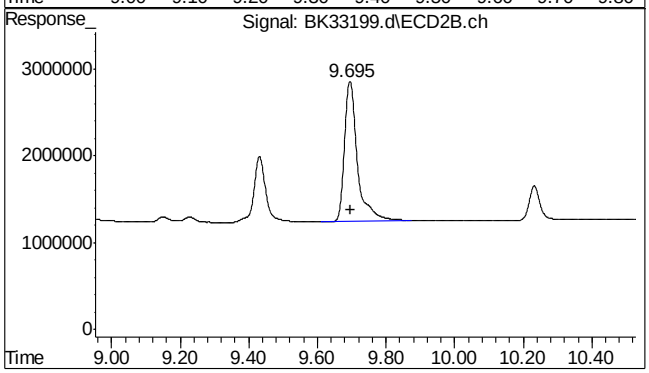
#11 AR1260-E

R.T.: 8.758 min
Delta R.T.: -0.002 min
Response: 148098953
Conc: 237.86 ppb m



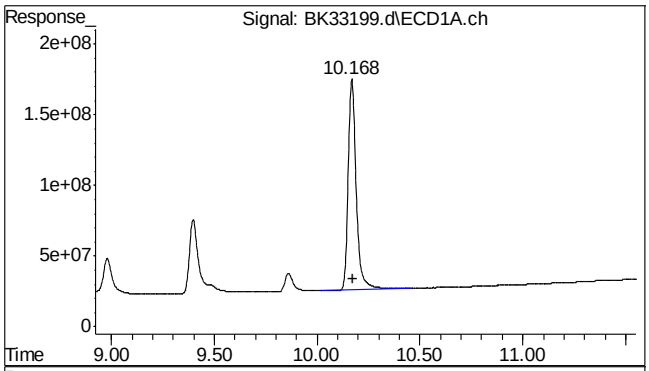
#12 AR1260-F

R.T.: 9.396 min
Delta R.T.: -0.005 min
Response: 1540761921
Conc: 278.78 m



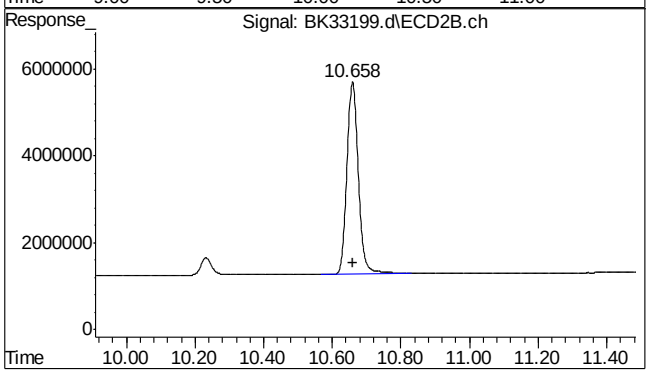
#12 AR1260-F

R.T.: 9.695 min
Delta R.T.: -0.002 min
Response: 41184828
Conc: 235.61



#13 DCB

R.T.: 10.169 min
Delta R.T.: -0.005 min
Response: 4077253039
Conc: 20.27 ppb



#13 DCB

R.T.: 10.659 min
Delta R.T.: -0.002 min
Response: 100842883
Conc: 17.79 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
12/17/13 16:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131217\
Data File : BK33205.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Dec 2013 10:46 am
Operator : andrip
Sample : op36184-ms
Misc : op36184,gbk1091,1000,,,5,,w
ALS Vial : 108 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 17 11:29:46 2013
Quant Method : C:\msdchem\1\METHODS\PC131217.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.802	2.701	4897.7E6	132.8E6	23.854m	22.134m
	Spiked Amount 40.000			Recovery	=	59.63%	55.34%
13) s	DCB	10.169	10.660	4099.5E6	102.9E6	20.380	18.155
	Spiked Amount 40.000			Recovery	=	50.95%	45.39%
	Target Compounds						
2)	AR1016-A	3.125	3.133	784.4E6	24053769	228.296m	240.238
3)	AR1016-B	3.472	3.518	1969.7E6	51735126	257.931	229.423
4)	AR1016-C	3.958	3.996	2884.1E6	90796123	228.558m	219.124m
5)	AR1016-D	4.105	4.144	2346.9E6	38643657	250.419m	229.341m
6)	AR1016-E	4.569	4.687	1534.1E6	47534967	254.133m	237.424m
7)	AR1260-A	6.143	6.362	2624.5E6	68114915	260.837m	237.532m
8)	AR1260-B	6.536	6.659	4765.2E6	81708665	265.912m	236.946m
9)	AR1260-C	7.111	7.330	8139.9E6	203.8E6	259.882m	234.198m
10)	AR1260-D	7.959	8.175	5390.5E6	144.5E6	256.785m	231.808
11)	AR1260-E	8.404	8.759	6043.3E6	146.8E6	266.956m	235.749m
12)	AR1260-F	9.396	9.696	1457.0E6	39989522	263.625m	228.770

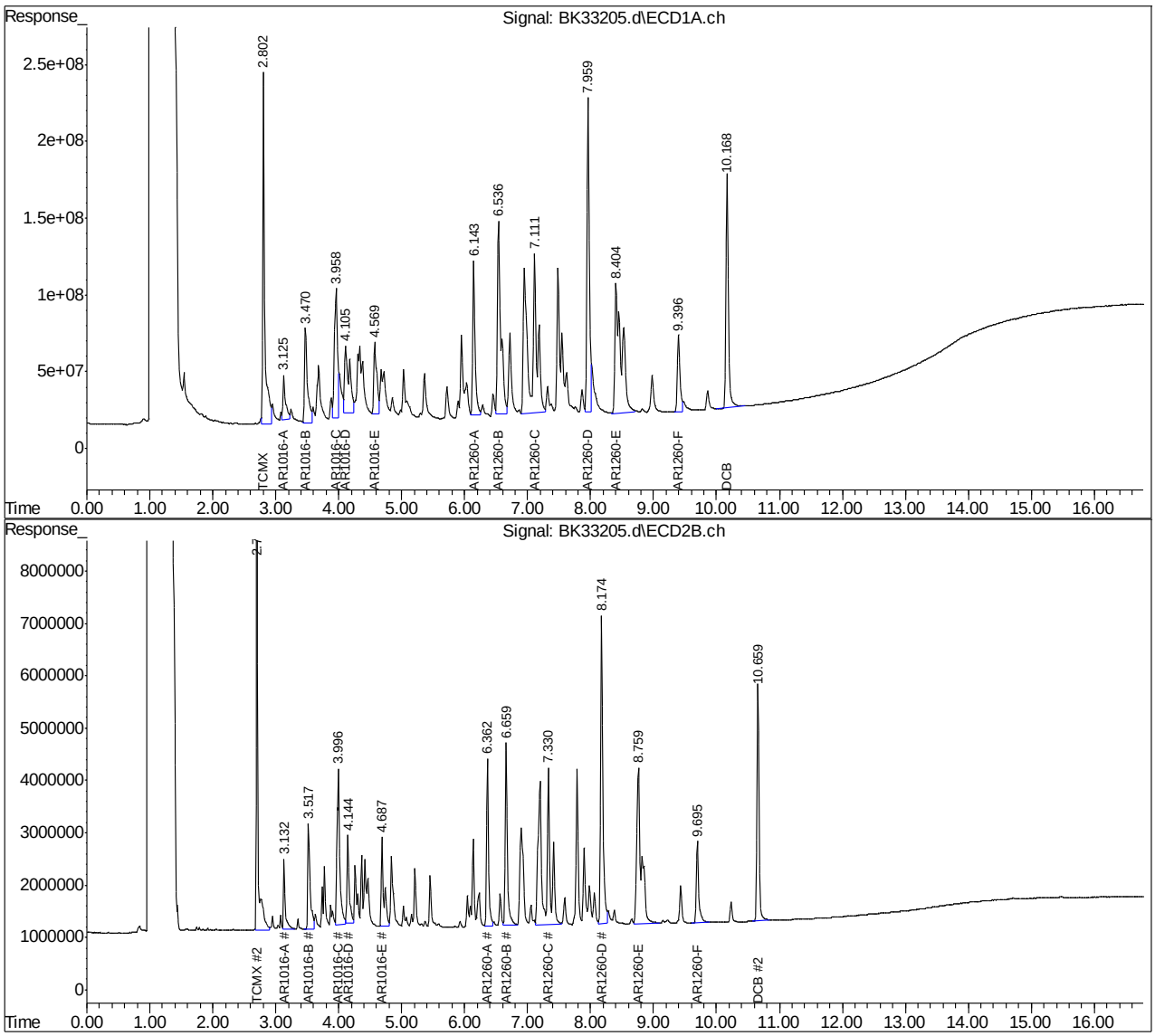
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

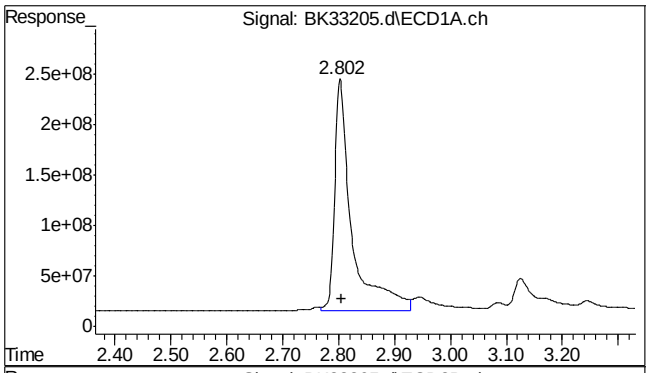
Data Path : C:\msdchem\1\DATA\BK131217\
Data File : BK33205.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Dec 2013 10:46 am
Operator : andrip
Sample : op36184-ms
Misc : op36184,gbk1091,1000,,,5,,w
ALS Vial : 108 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 17 11:29:46 2013
Quant Method : C:\msdchem\1\METHODS\PC131217.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

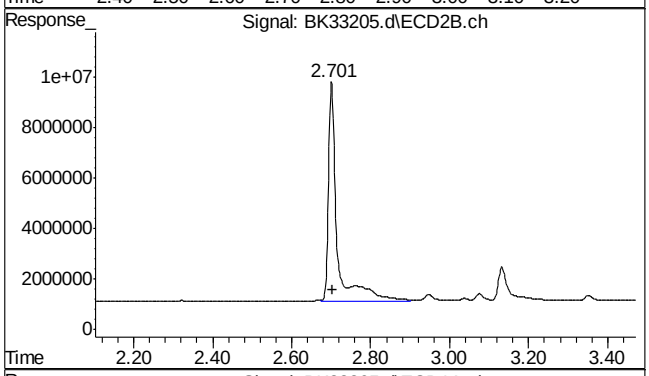


ACCUTEST LABORATORIES MC27081



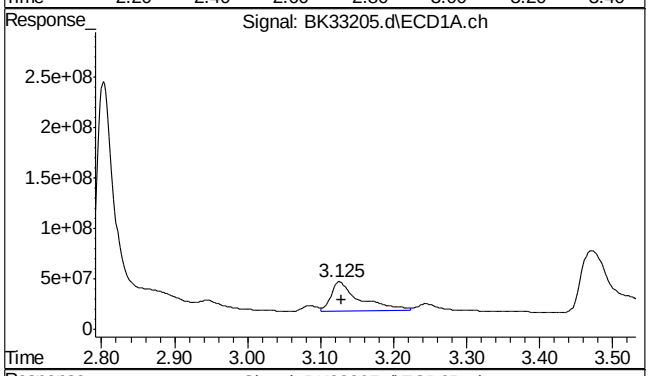
#1 TCMX

R.T.: 2.802 min
Delta R.T.: -0.004 min
Response: 4897692041
Conc: 23.85 ppb m



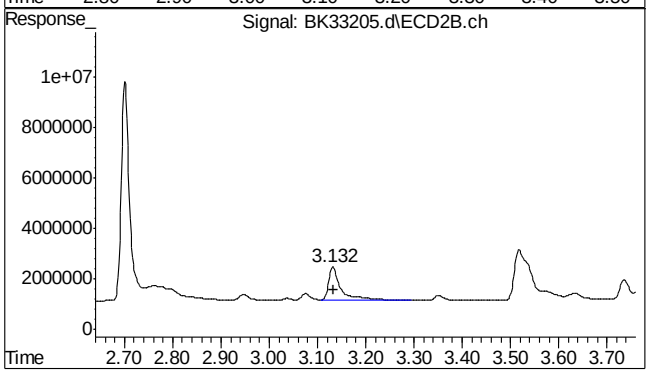
#1 TCMX

R.T.: 2.701 min
Delta R.T.: -0.002 min
Response: 132823104
Conc: 22.13 ppb m



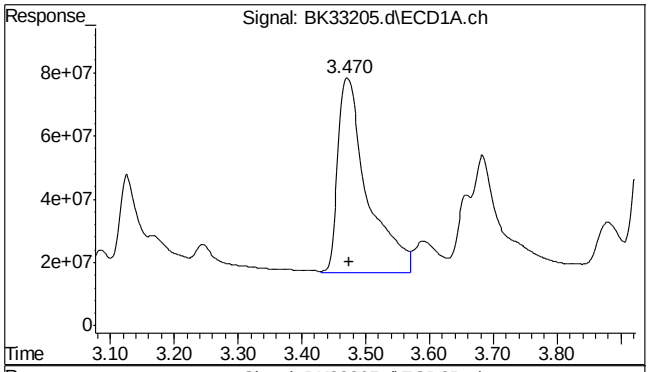
#2 AR1016-A

R.T.: 3.125 min
Delta R.T.: -0.004 min
Response: 784423921
Conc: 228.30 ppb m



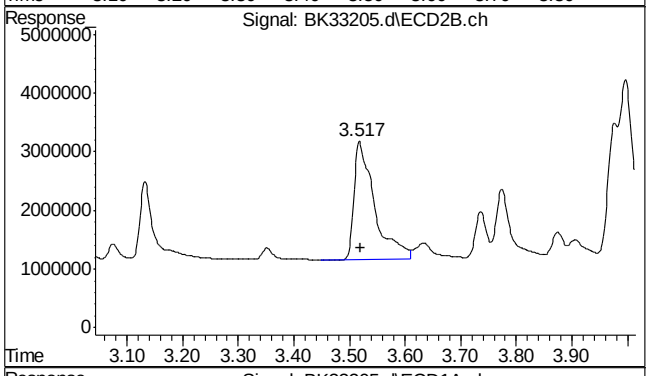
#2 AR1016-A

R.T.: 3.133 min
Delta R.T.: 0.000 min
Response: 24053769
Conc: 240.24 ppb



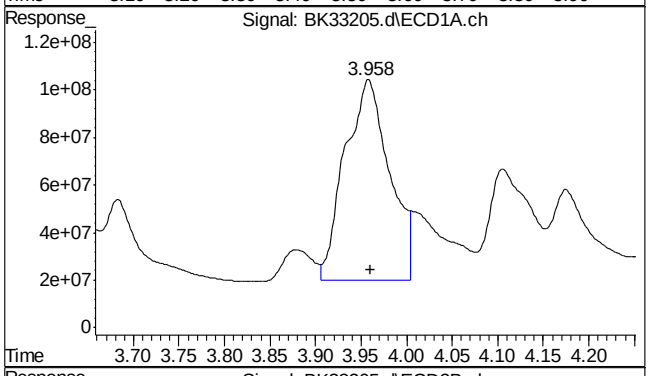
#3 AR1016-B

R.T.: 3.472 min
Delta R.T.: -0.003 min
Response: 1969746226
Conc: 257.93 ppb



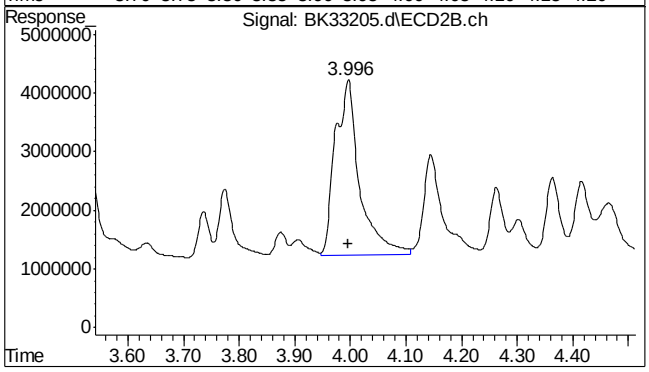
#3 AR1016-B

R.T.: 3.518 min
Delta R.T.: -0.002 min
Response: 51735126
Conc: 229.42 ppb



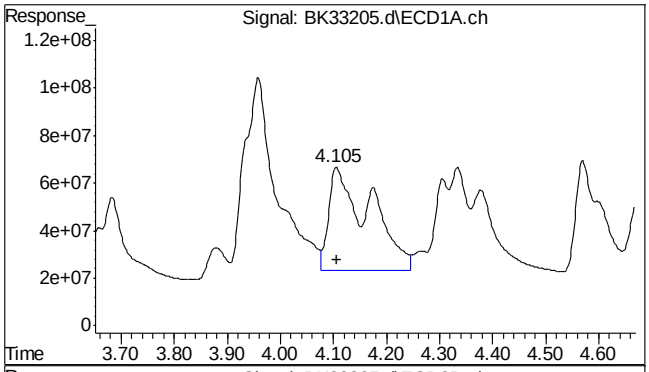
#4 AR1016-C

R.T.: 3.958 min
Delta R.T.: -0.003 min
Response: 2884130486
Conc: 228.56 ppb m



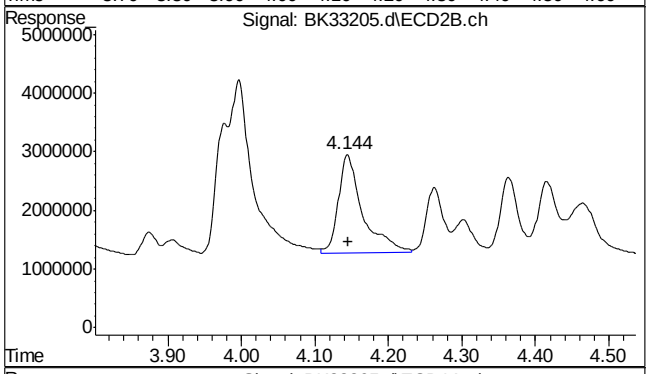
#4 AR1016-C

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 90796123
Conc: 219.12 ppb m



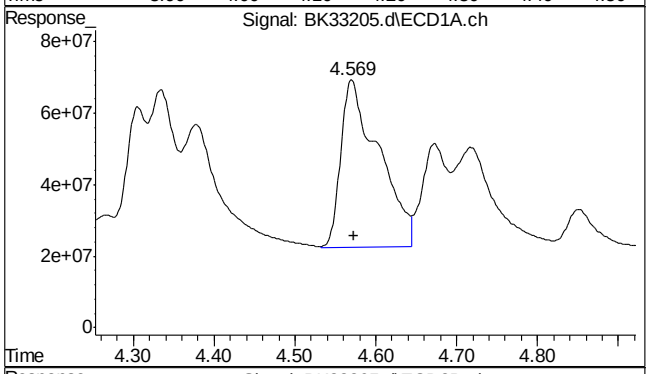
#5 AR1016-D

R.T.: 4.105 min
Delta R.T.: -0.003 min
Response: 2346934883
Conc: 250.42 m



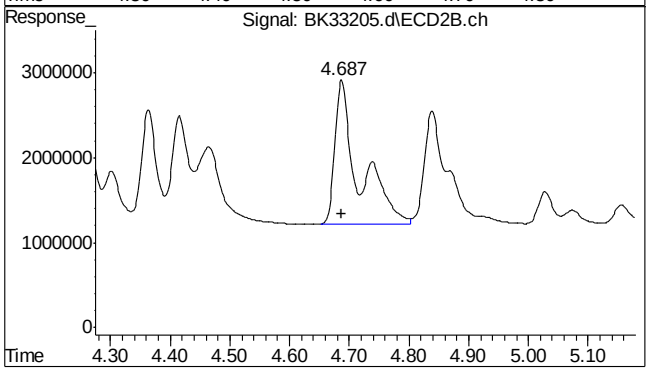
#5 AR1016-D

R.T.: 4.144 min
Delta R.T.: -0.001 min
Response: 38643657
Conc: 229.34 m



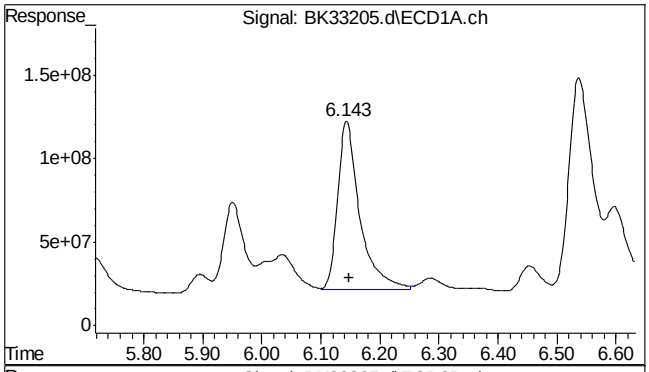
#6 AR1016-E

R.T.: 4.569 min
Delta R.T.: -0.004 min
Response: 1534066050
Conc: 254.13 m



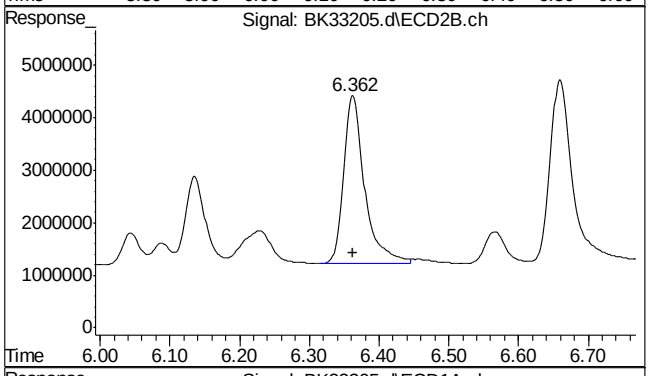
#6 AR1016-E

R.T.: 4.687 min
Delta R.T.: -0.001 min
Response: 47534967
Conc: 237.42 m



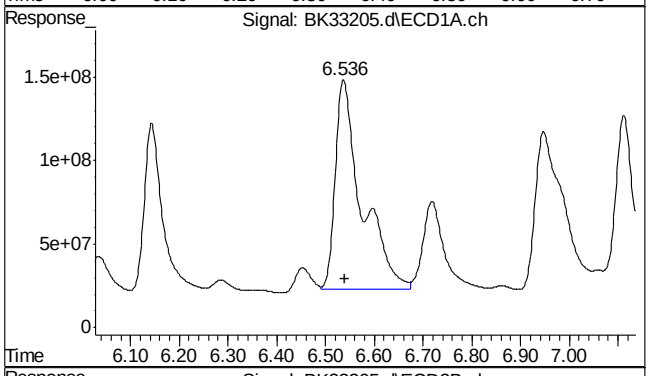
#7 AR1260-A

R.T.: 6.143 min
Delta R.T.: -0.005 min
Response: 2624450704
Conc: 260.84 ppb m



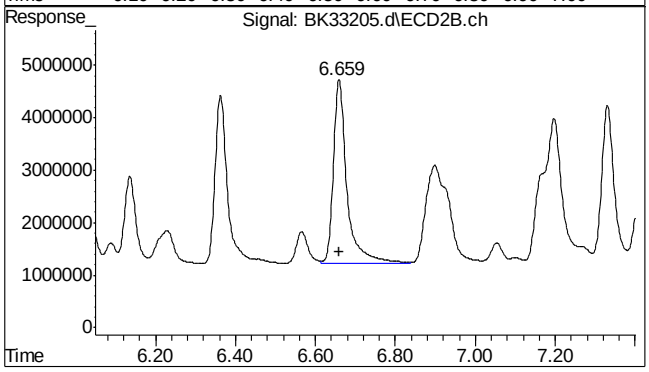
#7 AR1260-A

R.T.: 6.362 min
Delta R.T.: 0.000 min
Response: 68114915
Conc: 237.53 ppb m



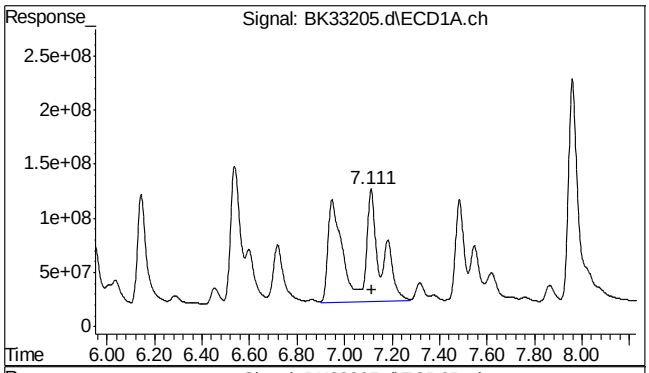
#8 AR1260-B

R.T.: 6.536 min
Delta R.T.: -0.005 min
Response: 4765172471
Conc: 265.91 ppb m



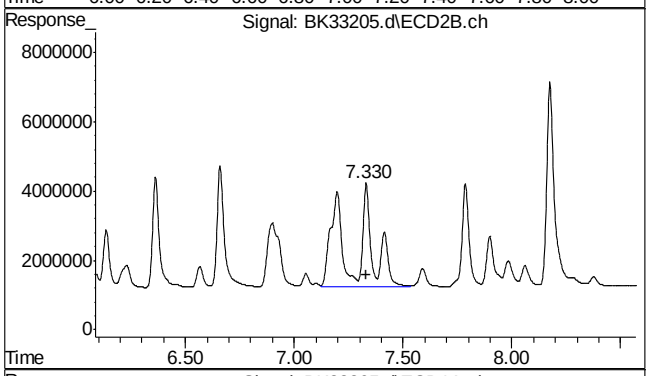
#8 AR1260-B

R.T.: 6.659 min
Delta R.T.: 0.000 min
Response: 81708665
Conc: 236.95 ppb m



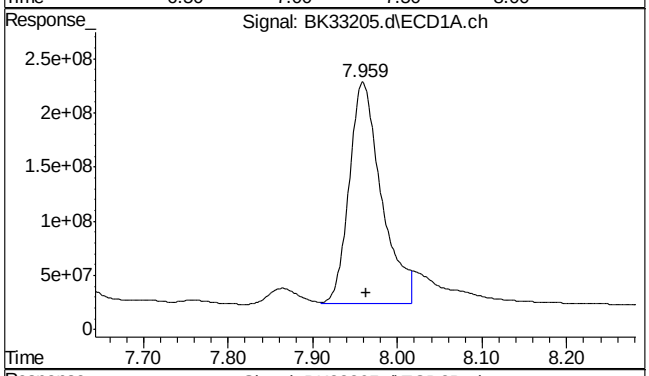
#9 AR1260-C

R.T.: 7.111 min
Delta R.T.: -0.005 min
Response: 8139933869
Conc: 259.88 ppb m



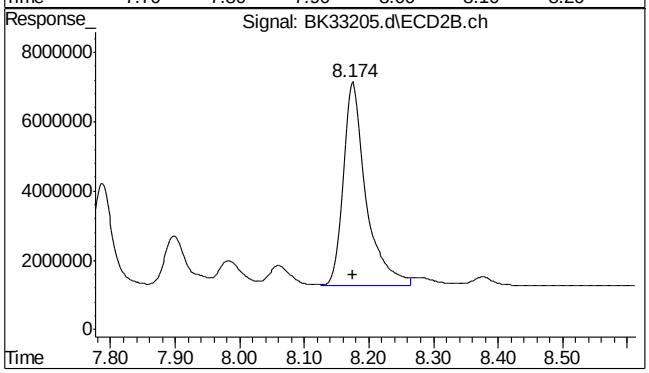
#9 AR1260-C

R.T.: 7.330 min
Delta R.T.: 0.000 min
Response: 203800731
Conc: 234.20 ppb m



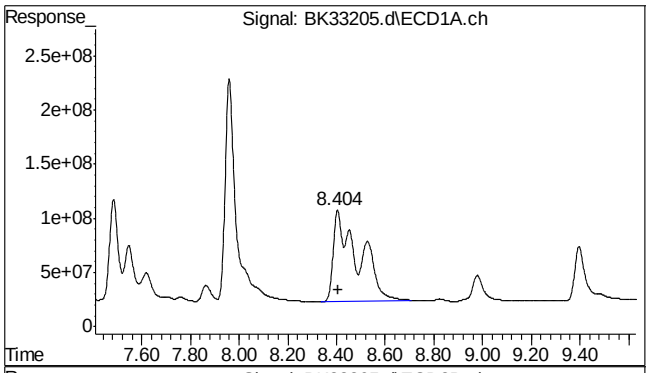
#10 AR1260-D

R.T.: 7.959 min
Delta R.T.: -0.004 min
Response: 5390506657
Conc: 256.79 ppb m



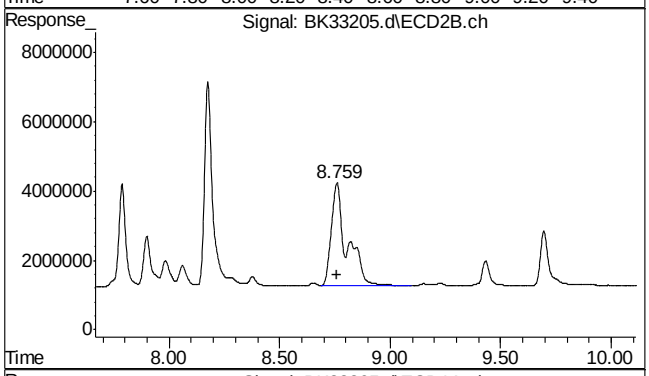
#10 AR1260-D

R.T.: 8.175 min
Delta R.T.: 0.000 min
Response: 144505530
Conc: 231.81 ppb



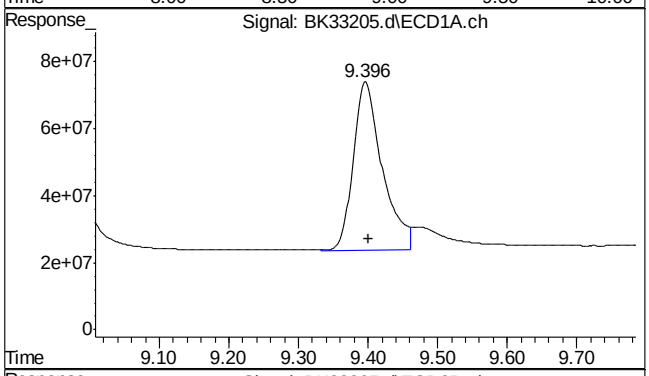
#11 AR1260-E

R.T.: 8.404 min
Delta R.T.: -0.004 min
Response: 6043318005
Conc: 266.96 ppb m



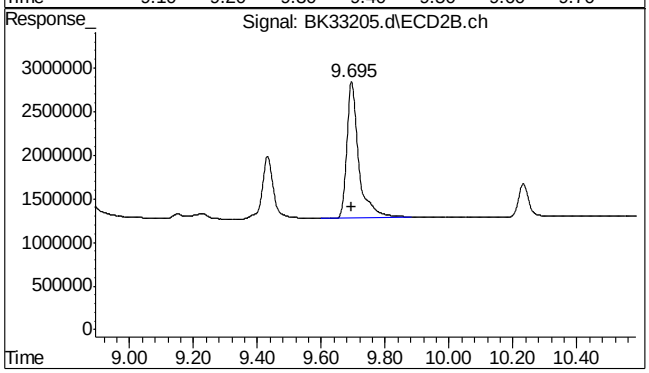
#11 AR1260-E

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 146787132
Conc: 235.75 ppb m



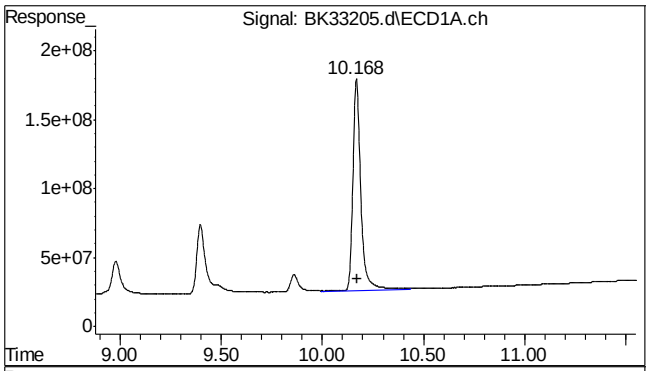
#12 AR1260-F

R.T.: 9.396 min
Delta R.T.: -0.005 min
Response: 1456980108
Conc: 263.63 m



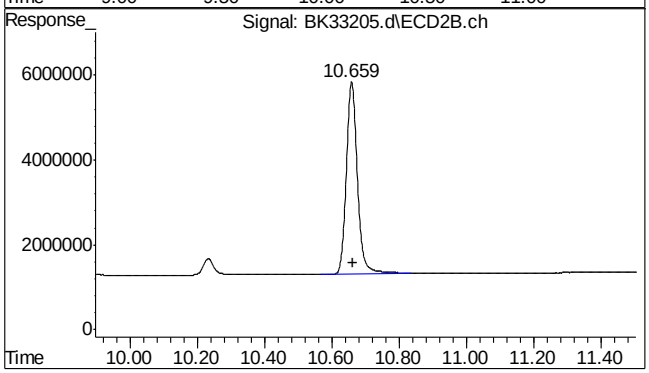
#12 AR1260-F

R.T.: 9.696 min
Delta R.T.: -0.001 min
Response: 39989522
Conc: 228.77



#13 DCB

R.T.: 10.169 min
Delta R.T.: -0.005 min
Response: 4099496583
Conc: 20.38 ppb



#13 DCB

R.T.: 10.660 min
Delta R.T.: -0.001 min
Response: 102907722
Conc: 18.16 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
12/17/13 16:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131217\
Data File : BK33206.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Dec 2013 11:05 am
Operator : andrip
Sample : op36184-msd
Misc : op36184,gbk1091,1000,,,5,,w
ALS Vial : 109 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 17 11:33:38 2013
Quant Method : C:\msdchem\1\METHODS\PC131217.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.804	2.704	7064.9E6	182.6E6	34.409m	30.432
	Spiked Amount 40.000			Recovery	=	86.02%	76.08%
13) s	DCB	10.168	10.659	7106.8E6	180.3E6	35.330	31.814
	Spiked Amount 40.000			Recovery	=	88.33%	79.53%
	Target Compounds						
2)	AR1016-A	3.126	3.134	1294.2E6	36615471	376.659m	365.699
3)	AR1016-B	3.473	3.520	2951.2E6	79139068	386.446	350.947
4)	AR1016-C	3.958	3.997	4940.6E6	155.6E6	391.527m	375.581
5)	AR1016-D	4.106	4.146	3709.0E6	70674047	395.752m	419.434
6)	AR1016-E	4.570	4.687	2510.2E6	75053934	415.839m	374.873m
7)	AR1260-A	6.143	6.362	4309.8E6	111.8E6	428.343m	390.016
8)	AR1260-B	6.536	6.658	7739.8E6	132.2E6	431.904m	383.326m
9)	AR1260-C	7.110	7.329	13962.2E6	337.2E6	445.769m	387.498m
10)	AR1260-D	7.957	8.174	9648.0E6	249.7E6	459.596m	400.555m
11)	AR1260-E	8.403	8.758	10240.4E6	249.6E6	452.355m	400.890m
12)	AR1260-F	9.395	9.695	2570.5E6	70231794	465.098	401.778

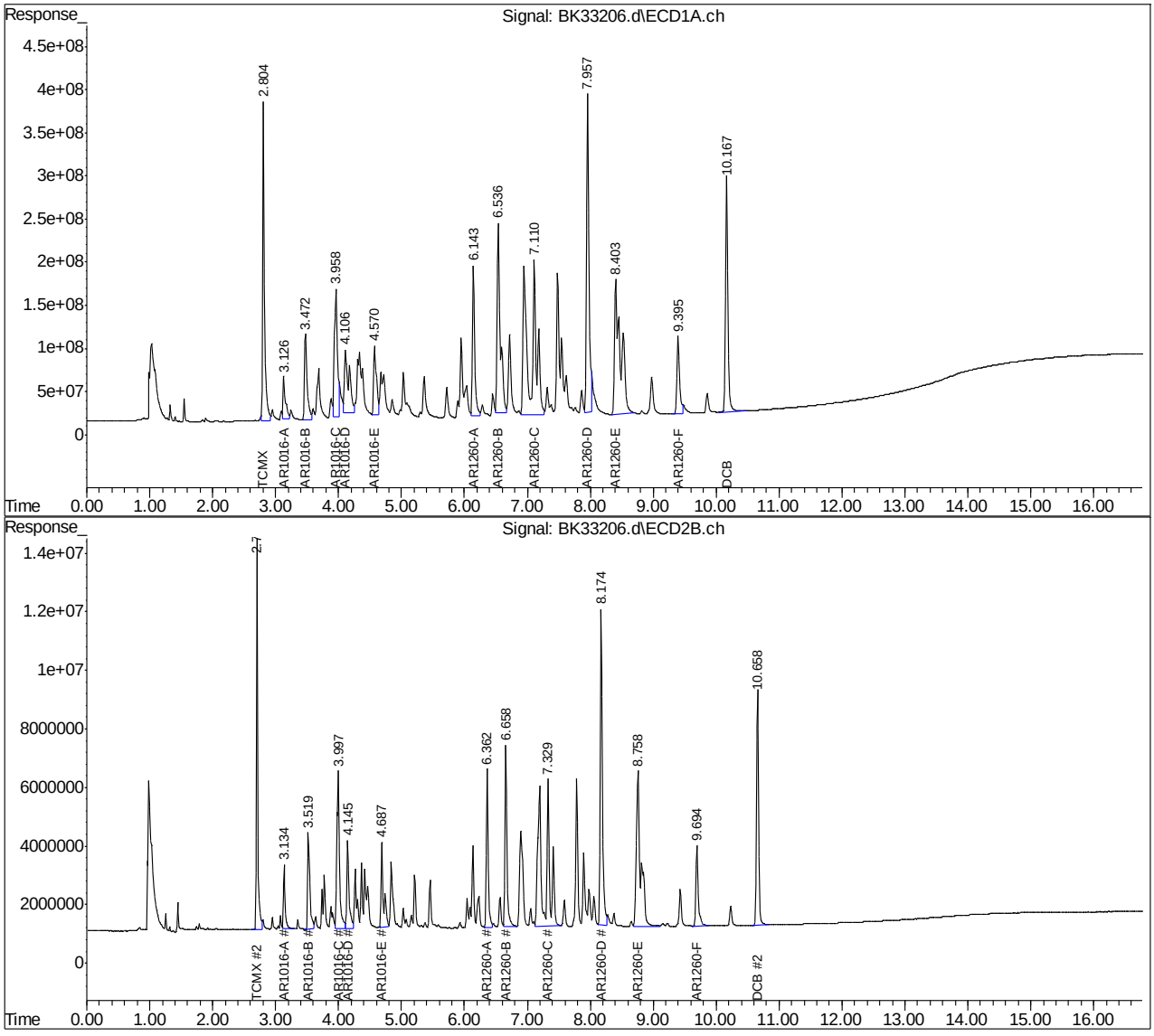
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

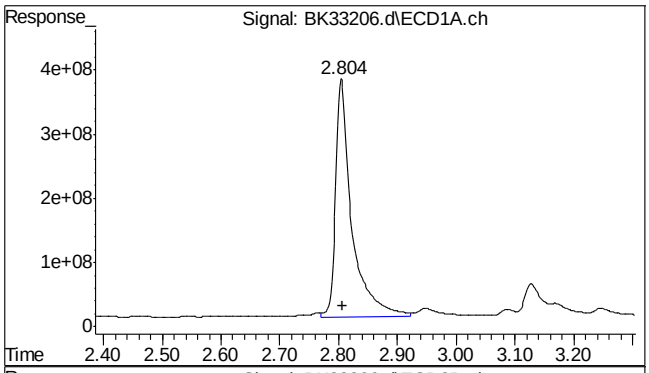
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131217\
Data File : BK33206.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Dec 2013 11:05 am
Operator : andrip
Sample : op36184-msd
Misc : op36184,gbk1091,1000,,,5,,w
ALS Vial : 109 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 17 11:33:38 2013
Quant Method : C:\msdchem\1\METHODS\PC131217.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

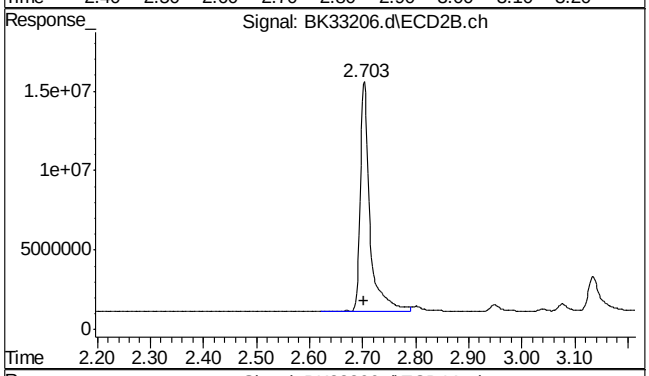
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





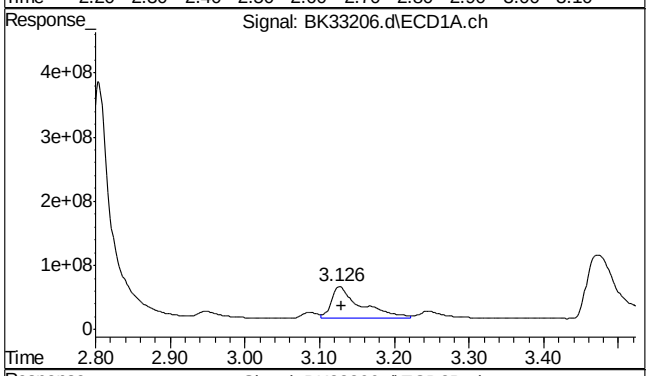
#1 TCMX

R.T.: 2.804 min
Delta R.T.: -0.002 min
Response: 7064918191
Conc: 34.41 ppb m



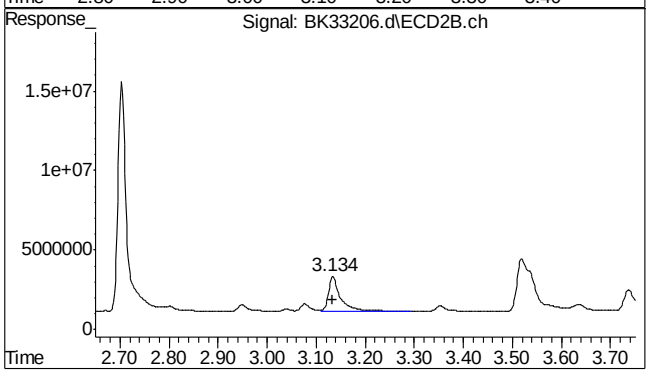
#1 TCMX

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 182621869
Conc: 30.43 ppb



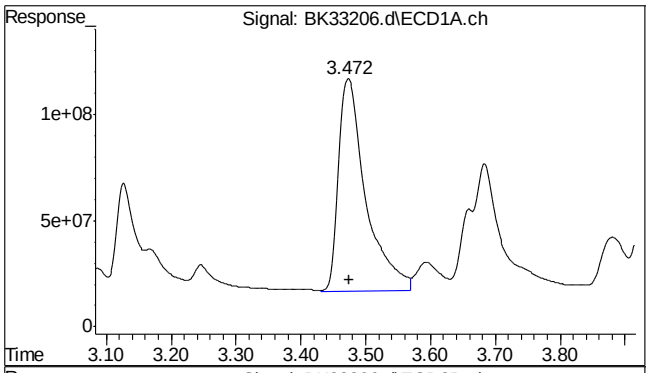
#2 AR1016-A

R.T.: 3.126 min
Delta R.T.: -0.003 min
Response: 1294198824
Conc: 376.66 ppb m



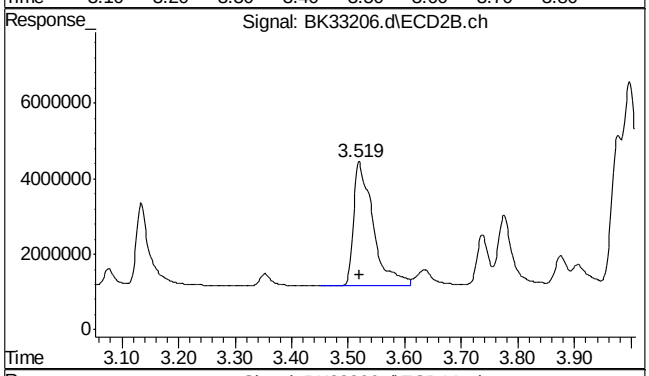
#2 AR1016-A

R.T.: 3.134 min
Delta R.T.: 0.001 min
Response: 36615471
Conc: 365.70 ppb



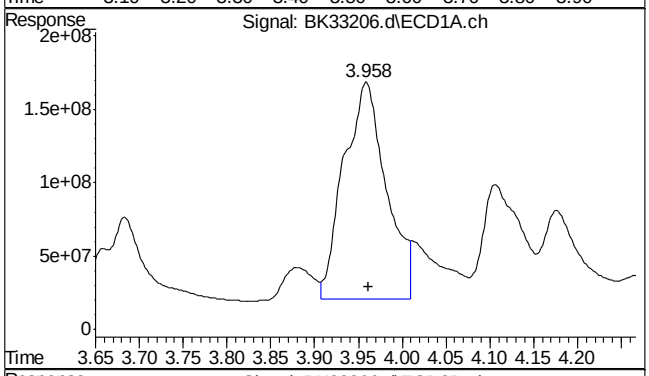
#3 AR1016-B

R.T.: 3.473 min
Delta R.T.: -0.002 min
Response: 2951182803
Conc: 386.45 ppb



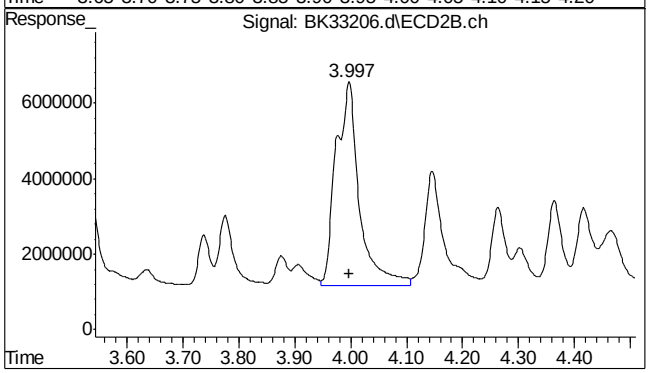
#3 AR1016-B

R.T.: 3.520 min
Delta R.T.: 0.000 min
Response: 79139068
Conc: 350.95 ppb



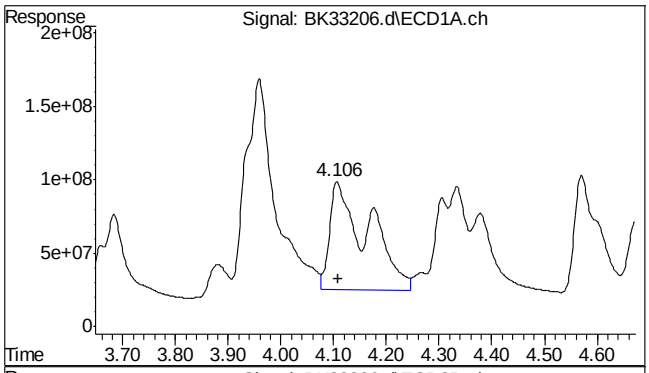
#4 AR1016-C

R.T.: 3.958 min
Delta R.T.: -0.003 min
Response: 4940612959
Conc: 391.53 ppb m



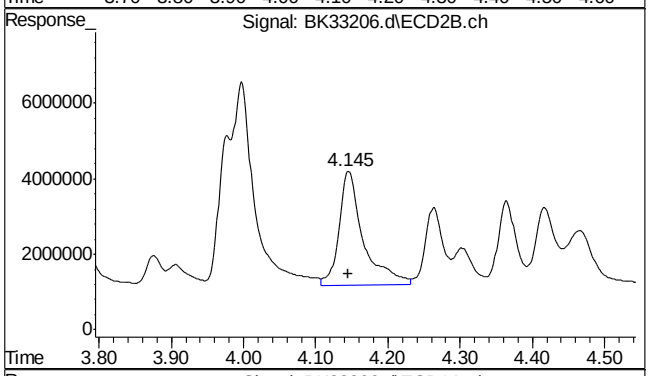
#4 AR1016-C

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 155625349
Conc: 375.58 ppb



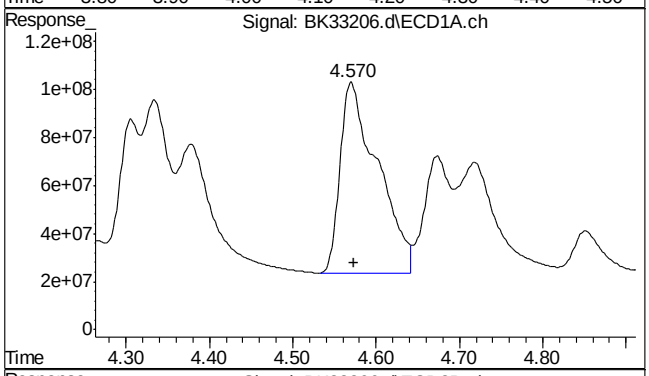
#5 AR1016-D

R.T.: 4.106 min
Delta R.T.: -0.002 min
Response: 3708992743
Conc: 395.75 m



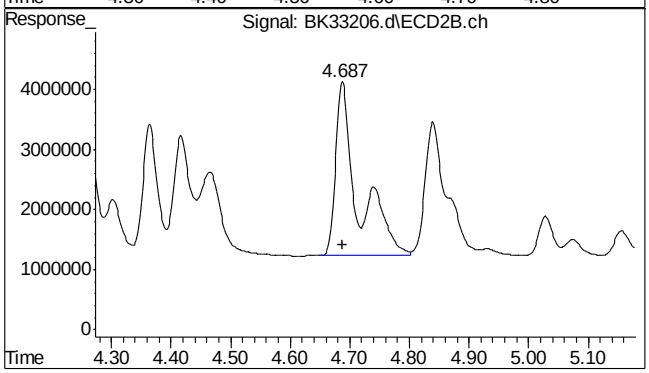
#5 AR1016-D

R.T.: 4.146 min
Delta R.T.: 0.000 min
Response: 70674047
Conc: 419.43



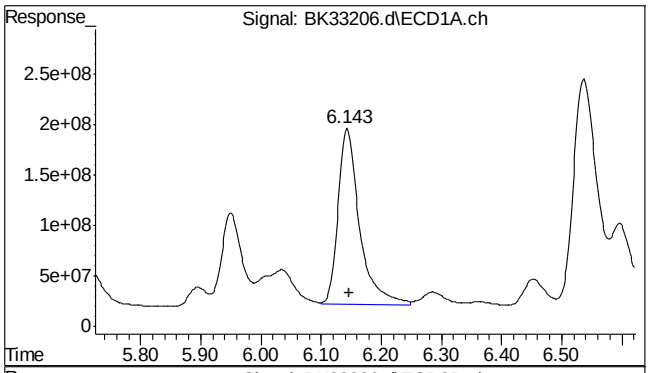
#6 AR1016-E

R.T.: 4.570 min
Delta R.T.: -0.003 min
Response: 2510202114
Conc: 415.84 m



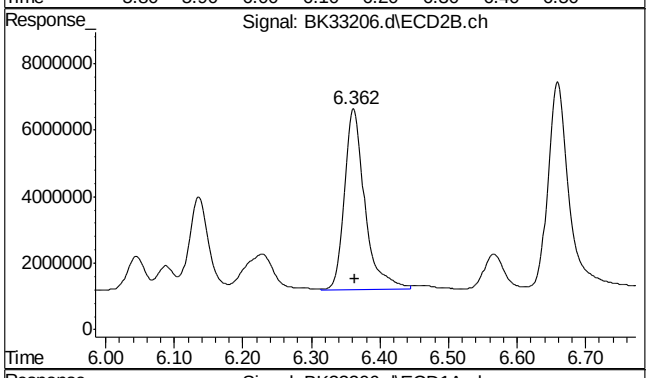
#6 AR1016-E

R.T.: 4.687 min
Delta R.T.: 0.000 min
Response: 75053934
Conc: 374.87 m



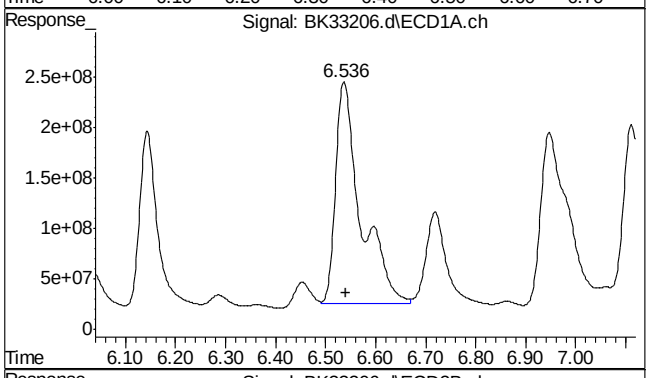
#7 AR1260-A

R.T.: 6.143 min
Delta R.T.: -0.005 min
Response: 4309834725
Conc: 428.34 ppb m



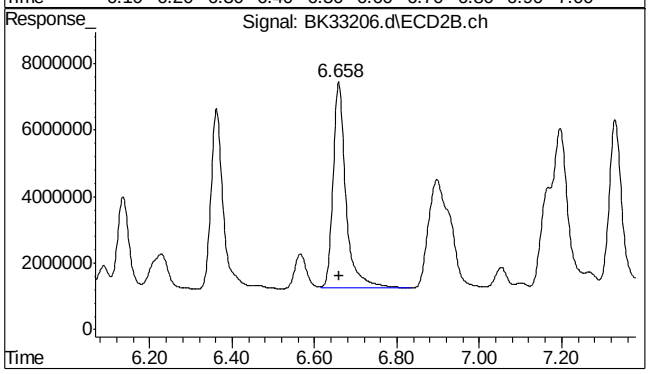
#7 AR1260-A

R.T.: 6.362 min
Delta R.T.: 0.000 min
Response: 111841217
Conc: 390.02 ppb



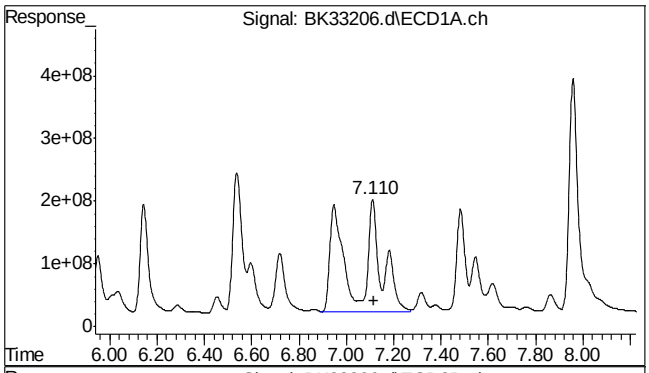
#8 AR1260-B

R.T.: 6.536 min
Delta R.T.: -0.005 min
Response: 7739764262
Conc: 431.90 ppb m



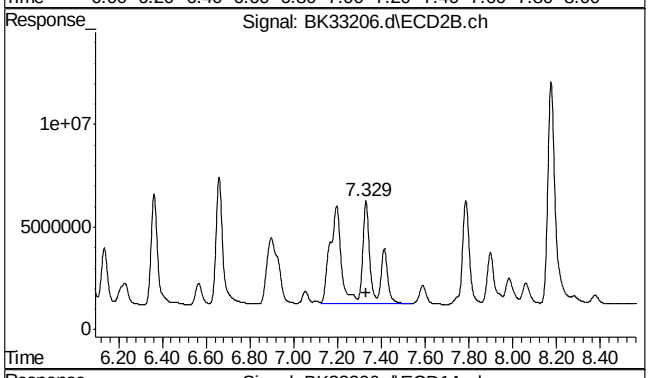
#8 AR1260-B

R.T.: 6.658 min
Delta R.T.: 0.000 min
Response: 132186171
Conc: 383.33 ppb m



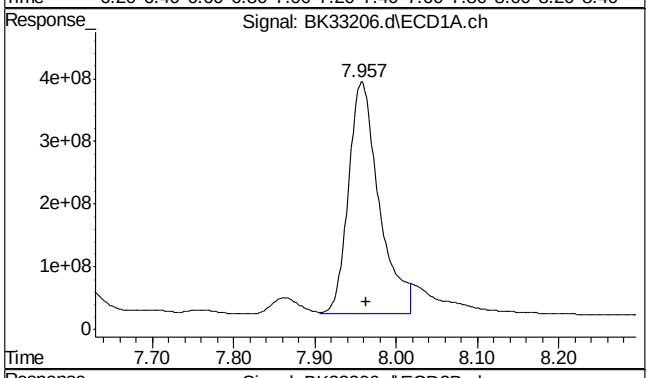
#9 AR1260-C

R.T.: 7.110 min
Delta R.T.: -0.006 min
Response: 13962225016
Conc: 445.77 ppb m



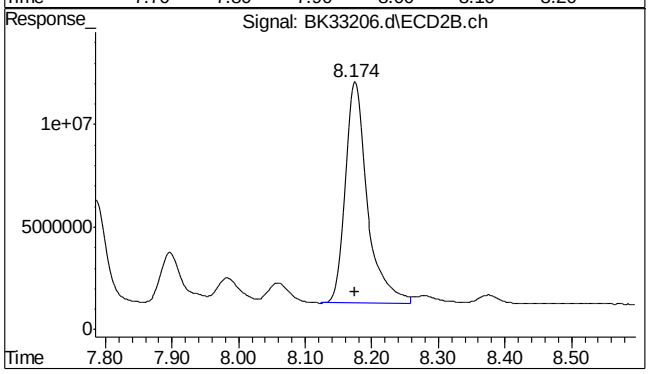
#9 AR1260-C

R.T.: 7.329 min
Delta R.T.: 0.000 min
Response: 337203806
Conc: 387.50 ppb m



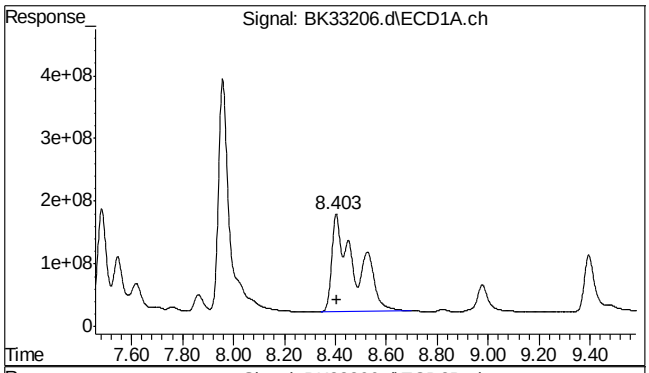
#10 AR1260-D

R.T.: 7.957 min
Delta R.T.: -0.006 min
Response: 9647966677
Conc: 459.60 ppb m



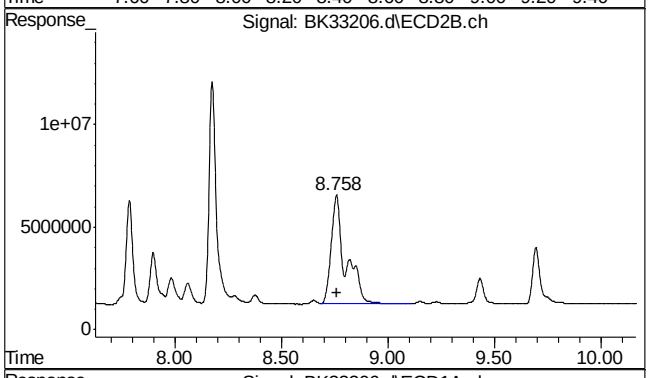
#10 AR1260-D

R.T.: 8.174 min
Delta R.T.: -0.001 min
Response: 249700070
Conc: 400.55 ppb m



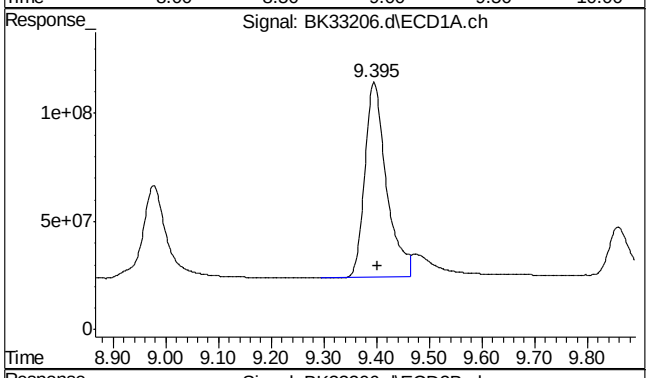
#11 AR1260-E

R.T.: 8.403 min
Delta R.T.: -0.005 min
Response: 10240362442
Conc: 452.36 ppb m



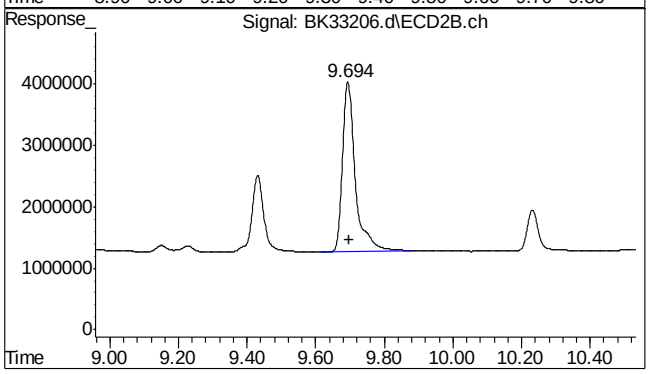
#11 AR1260-E

R.T.: 8.758 min
Delta R.T.: -0.002 min
Response: 249610651
Conc: 400.89 ppb m



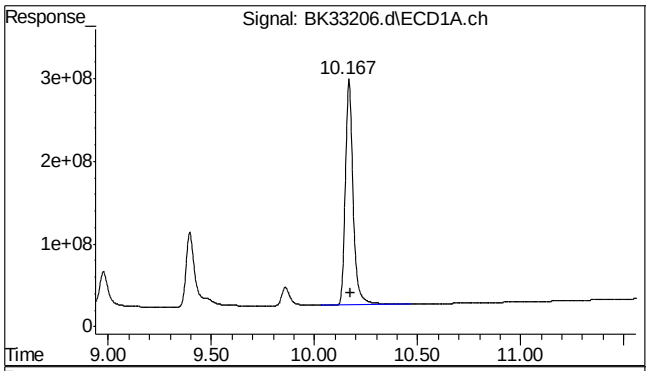
#12 AR1260-F

R.T.: 9.395 min
Delta R.T.: -0.006 min
Response: 2570459233
Conc: 465.10



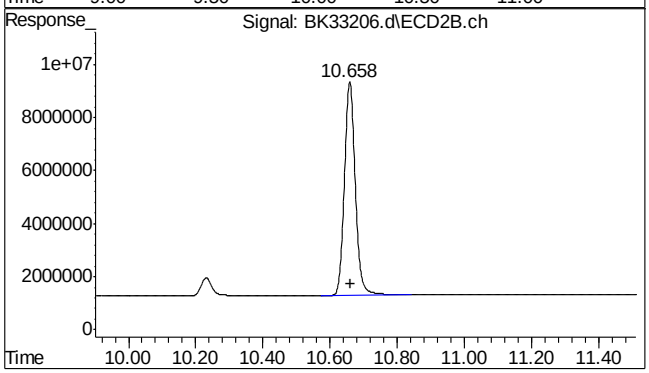
#12 AR1260-F

R.T.: 9.695 min
Delta R.T.: -0.002 min
Response: 70231794
Conc: 401.78



#13 DCB

R.T.: 10.168 min
Delta R.T.: -0.006 min
Response: 7106811814
Conc: 35.33 ppb



#13 DCB

R.T.: 10.659 min
Delta R.T.: -0.002 min
Response: 180328051
Conc: 31.81 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
12/16/13 16:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33130.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 8:22 am
Operator : andrip
Sample : ic1090-1000,a16/60
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 13:59:12 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.807	2.704	17126.6E6	493.5E6	82.665m	94.342
	Spiked Amount 40.000			Recovery	= 206.66%	235.86%	
13) s	DCB	10.175	10.661	15355.8E6	432.8E6	75.672	93.904m
	Spiked Amount 40.000			Recovery	= 189.18%	234.76%	
	Target Compounds						
2)	AR1016-A	3.130	3.135	3502.5E6	92727398	844.239	983.503
3)	AR1016-B	3.475	3.521	7294.8E6	207.6E6	904.382	1039.404
4)	AR1016-C	3.963	3.997	13075.3E6	414.6E6	775.410m	1012.762 #
5)	AR1016-D	4.109f	4.146	10279.3E6	170.8E6	914.895m	1050.158m
6)	AR1016-E	4.574f	4.688	5907.5E6	192.5E6	818.578m	1037.623m#
7)	AR1260-A	6.149	6.363	9715.5E6	268.3E6	909.063	1065.983m
8)	AR1260-B	6.542	6.660	17712.6E6	325.0E6	894.645m	1074.723m
9)	AR1260-C	6.951	7.331	30680.8E6	822.2E6	909.035m	1100.449m
10)	AR1260-D	7.964	8.175	21960.3E6	619.3E6	912.816m	1117.098m
11)	AR1260-E	8.409	8.760	21345.8E6	590.1E6	873.950m	1107.727m#
12)	AR1260-F	9.402	9.697	5366.8E6	167.2E6	854.995	1121.488 #

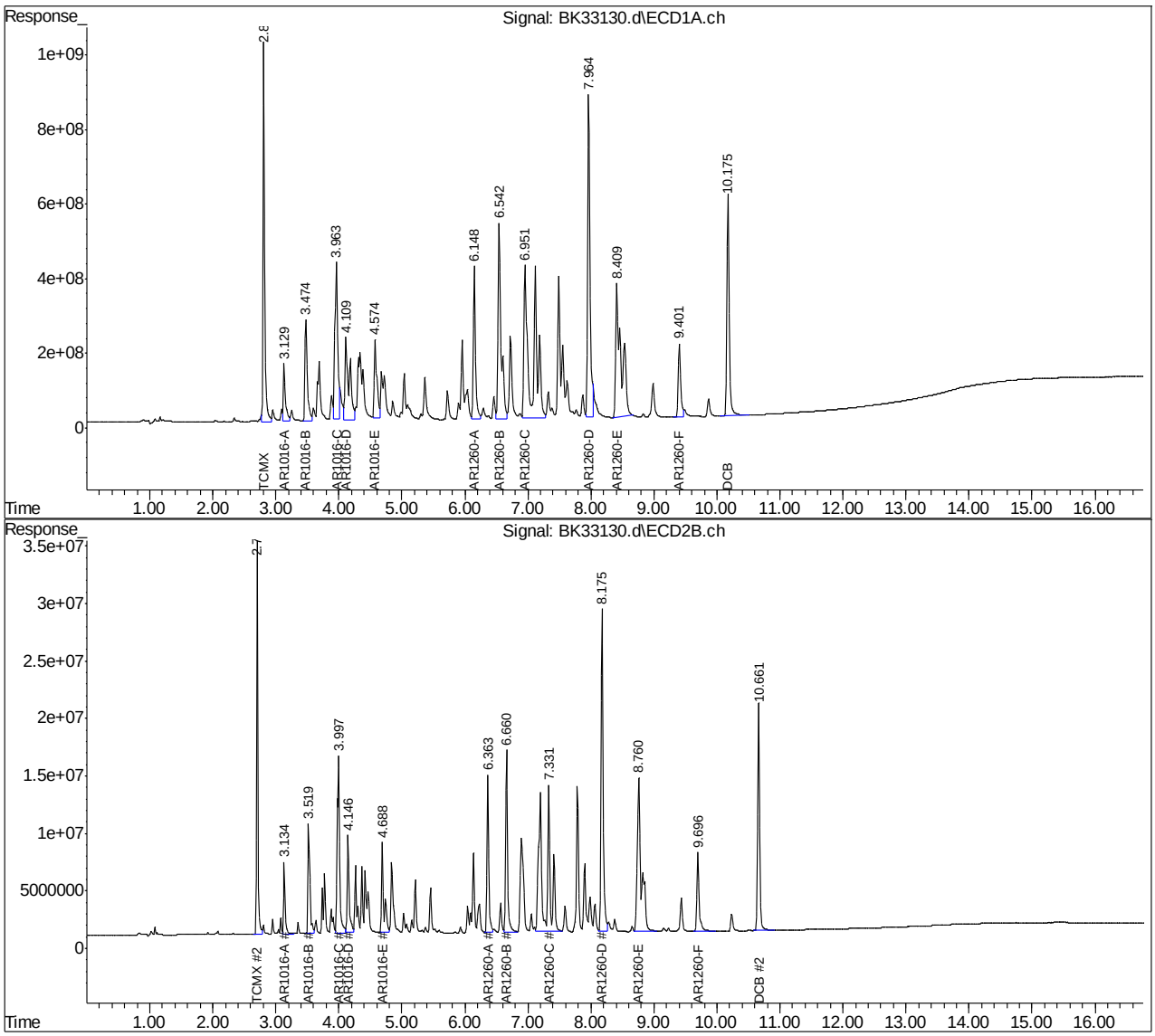
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

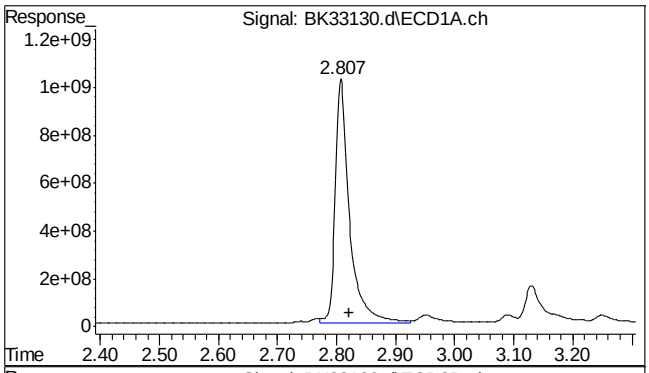
Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33130.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 8:22 am
Operator : andrip
Sample : ic1090-1000,a16/60
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 13:59:12 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

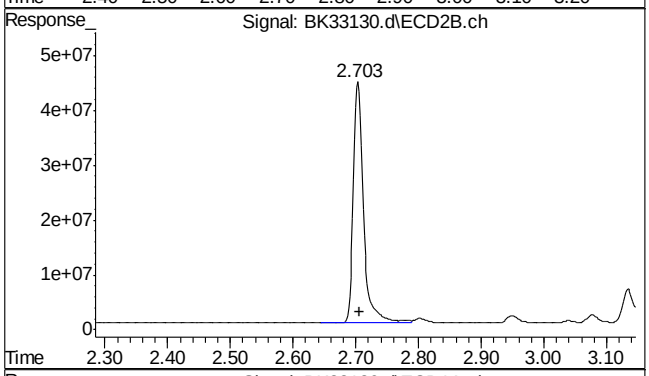


ACCUTEST LABORATORIES MC27081



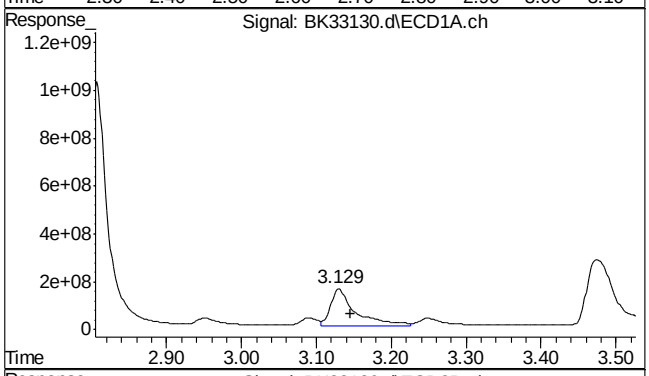
#1 TCMX

R.T.: 2.807 min
Delta R.T.: -0.015 min
Response: 17126611032
Conc: 82.66 ppb m



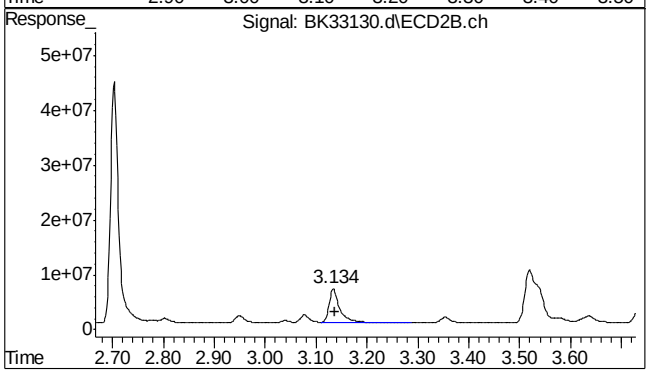
#1 TCMX

R.T.: 2.704 min
Delta R.T.: -0.002 min
Response: 493538269
Conc: 94.34 ppb



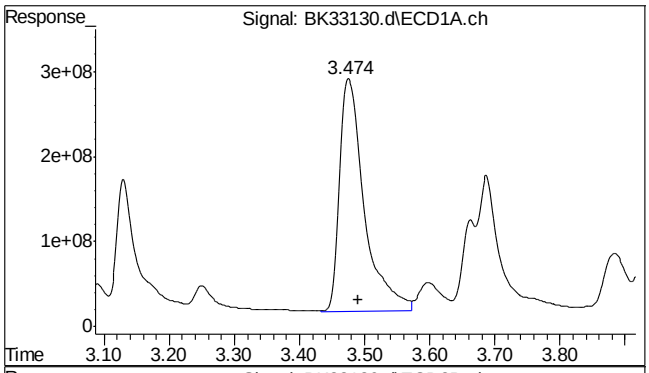
#2 AR1016-A

R.T.: 3.130 min
Delta R.T.: -0.015 min
Response: 3502482290
Conc: 844.24 ppb



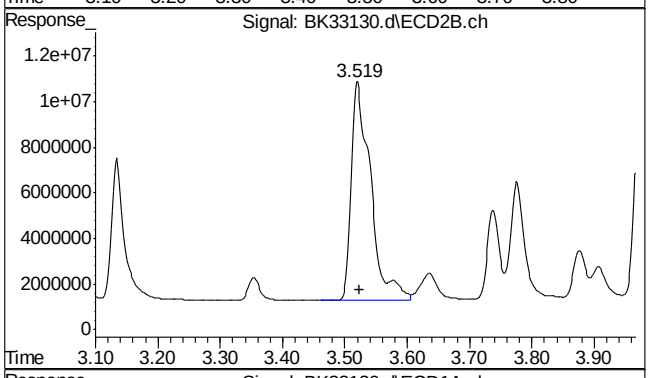
#2 AR1016-A

R.T.: 3.135 min
Delta R.T.: -0.002 min
Response: 92727398
Conc: 983.50 ppb



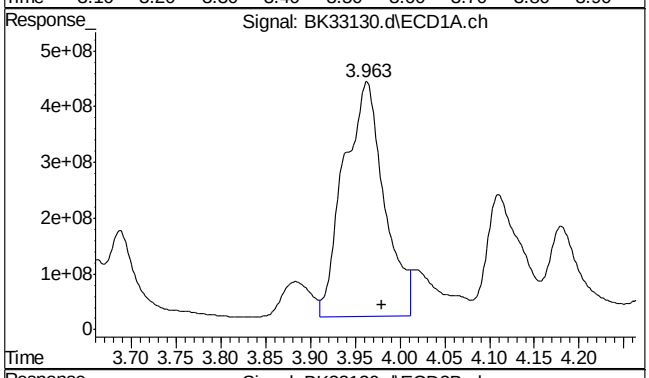
#3 AR1016-B

R.T.: 3.475 min
Delta R.T.: -0.016 min
Response: 7294825243
Conc: 904.38 ppb



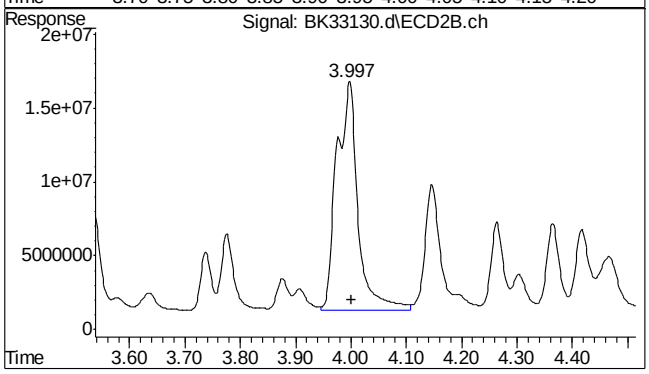
#3 AR1016-B

R.T.: 3.521 min
Delta R.T.: -0.001 min
Response: 207595603
Conc: 1039.40 ppb



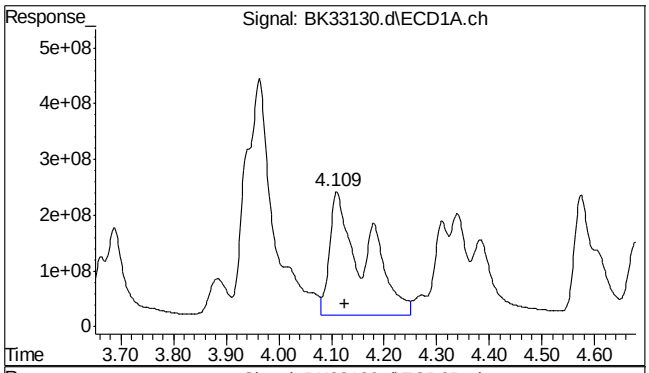
#4 AR1016-C

R.T.: 3.963 min
Delta R.T.: -0.017 min
Response: 13075259007
Conc: 775.41 ppb m



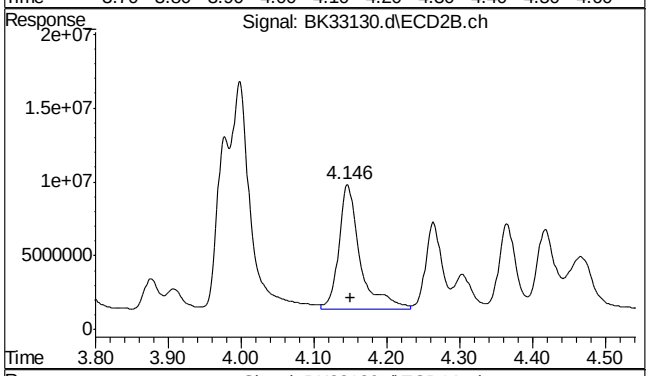
#4 AR1016-C

R.T.: 3.997 min
Delta R.T.: -0.003 min
Response: 414563454
Conc: 1012.76 ppb



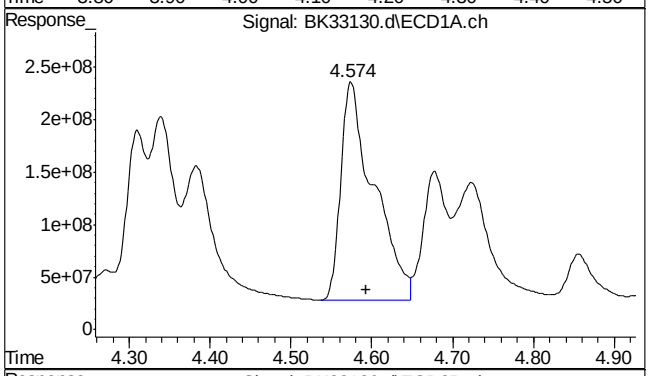
#5 AR1016-D

R.T.: 4.109 min
Delta R.T.: -0.016 min
Response: 10279314340
Conc: 914.90 m



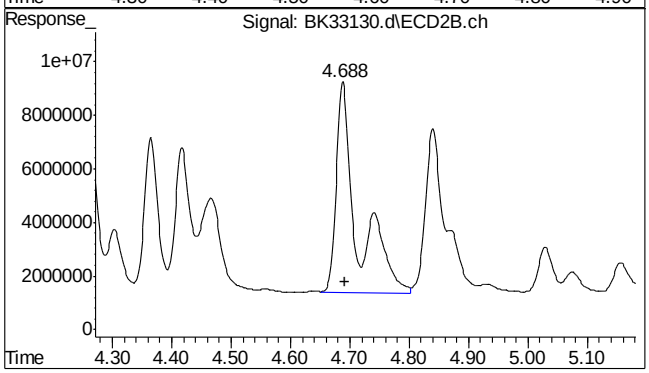
#5 AR1016-D

R.T.: 4.146 min
Delta R.T.: -0.004 min
Response: 170773280
Conc: 1050.16 m



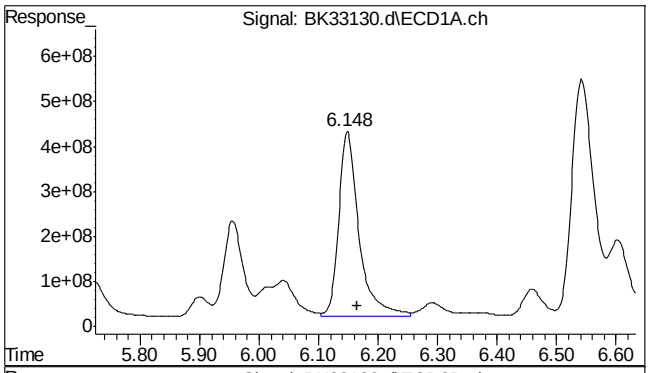
#6 AR1016-E

R.T.: 4.574 min
Delta R.T.: -0.019 min
Response: 5907490755
Conc: 818.58 m



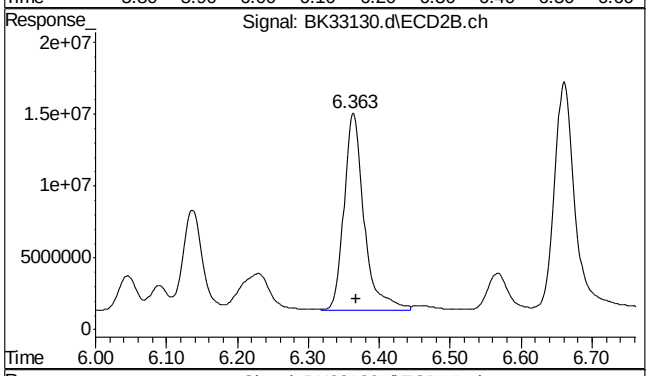
#6 AR1016-E

R.T.: 4.688 min
Delta R.T.: -0.004 min
Response: 192546685
Conc: 1037.62 m



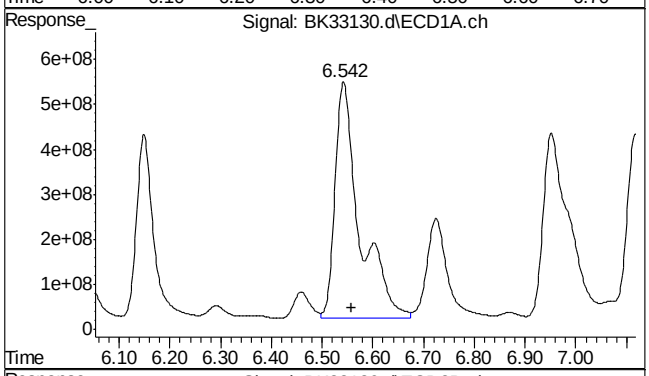
#7 AR1260-A

R.T.: 6.149 min
Delta R.T.: -0.017 min
Response: 9715480209
Conc: 909.06 ppb



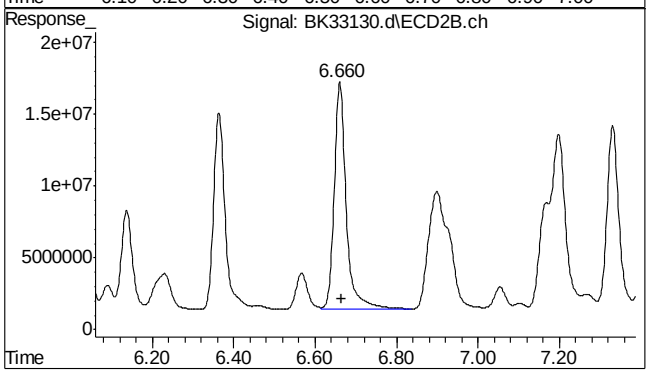
#7 AR1260-A

R.T.: 6.363 min
Delta R.T.: -0.005 min
Response: 268332556
Conc: 1065.98 ppb m



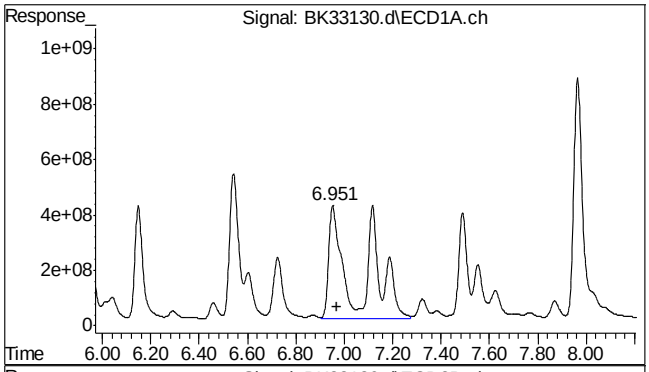
#8 AR1260-B

R.T.: 6.542 min
Delta R.T.: -0.017 min
Response: 17712603913
Conc: 894.65 ppb m



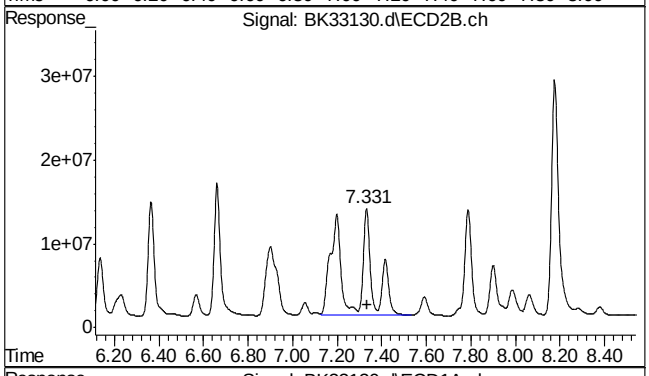
#8 AR1260-B

R.T.: 6.660 min
Delta R.T.: -0.004 min
Response: 325034989
Conc: 1074.72 ppb m



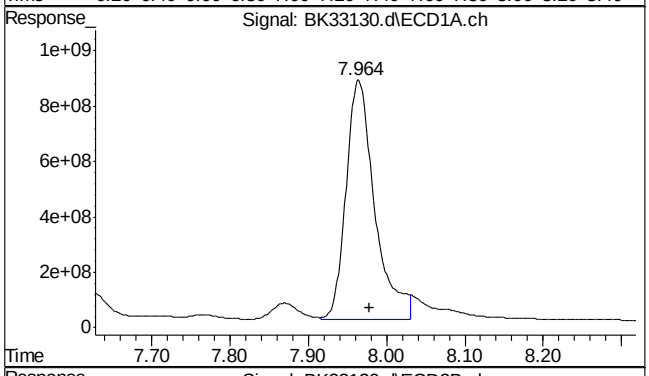
#9 AR1260-C

R.T.: 6.951 min
Delta R.T.: -0.017 min
Response: 30680781596
Conc: 909.03 ppb m



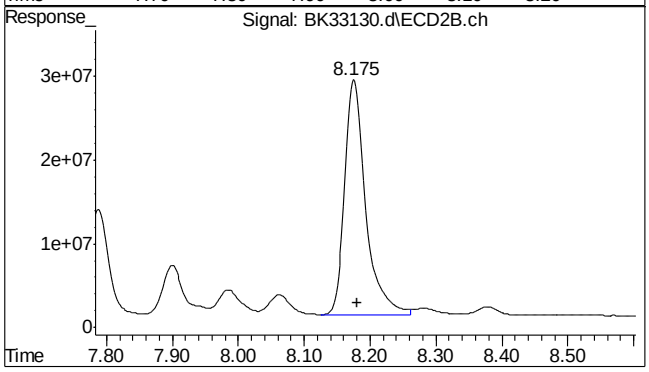
#9 AR1260-C

R.T.: 7.331 min
Delta R.T.: -0.003 min
Response: 822237928
Conc: 1100.45 ppb m



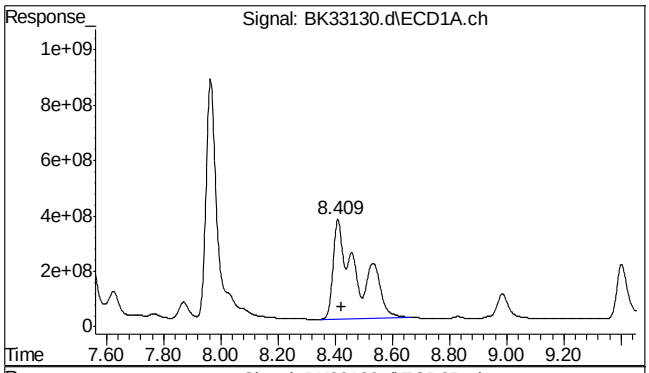
#10 AR1260-D

R.T.: 7.964 min
Delta R.T.: -0.015 min
Response: 21960339053
Conc: 912.82 ppb m



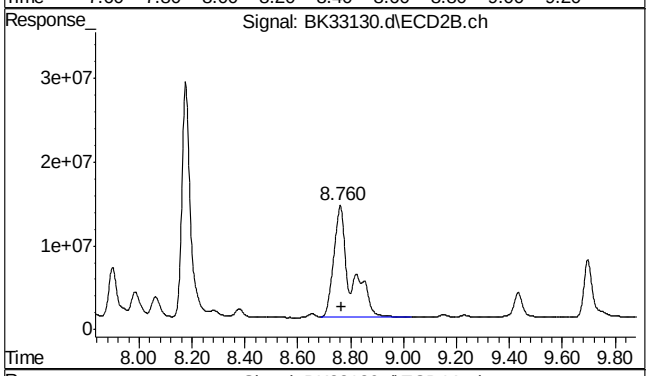
#10 AR1260-D

R.T.: 8.175 min
Delta R.T.: -0.005 min
Response: 619255473
Conc: 1117.10 ppb m



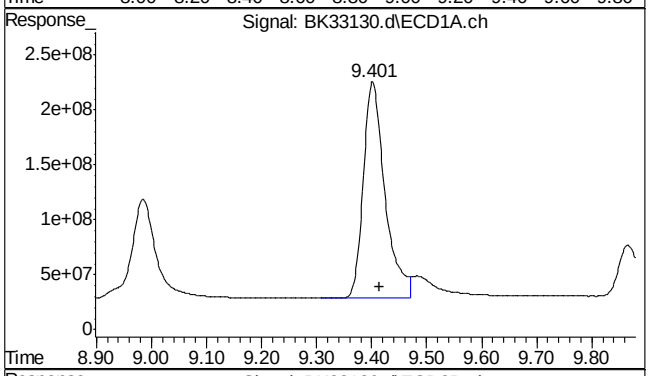
#11 AR1260-E

R.T.: 8.409 min
Delta R.T.: -0.014 min
Response: 21345787503
Conc: 873.95 ppb m



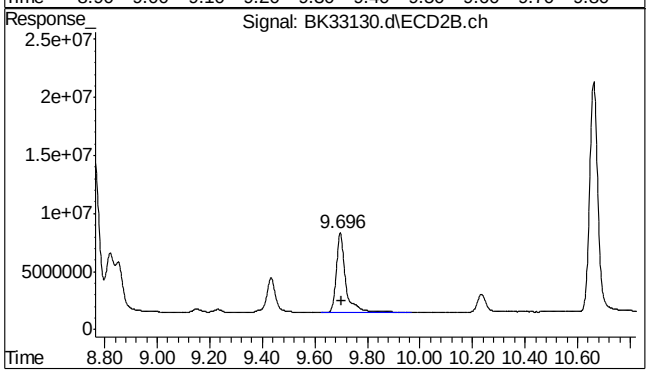
#11 AR1260-E

R.T.: 8.760 min
Delta R.T.: -0.003 min
Response: 590115665
Conc: 1107.73 ppb m



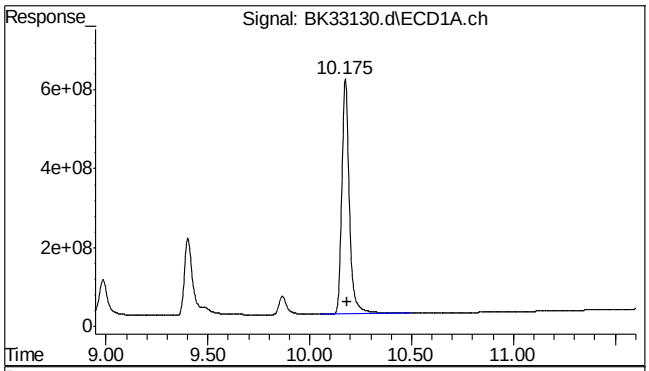
#12 AR1260-F

R.T.: 9.402 min
Delta R.T.: -0.013 min
Response: 5366753759
Conc: 854.99



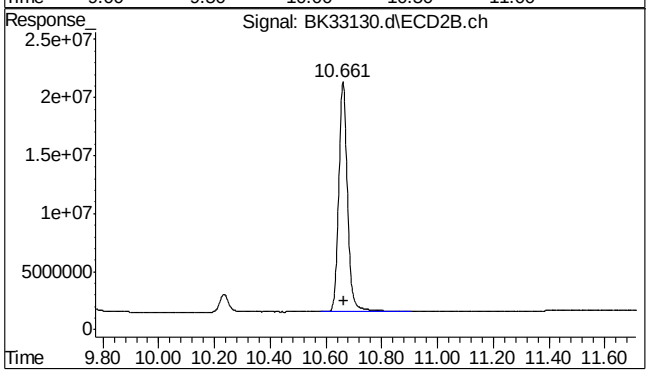
#12 AR1260-F

R.T.: 9.697 min
Delta R.T.: -0.003 min
Response: 167225717
Conc: 1121.49



#13 DCB

R.T.: 10.175 min
Delta R.T.: -0.011 min
Response: 15355752136
Conc: 75.67 ppb



#13 DCB

R.T.: 10.661 min
Delta R.T.: -0.004 min
Response: 432789180
Conc: 93.90 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
12/16/13 16:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33131.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 8:41 am
Operator : andrip
Sample : ic1090-750,a16/60
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 14:01:26 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.807	2.704	12480.5E6	361.4E6	60.239m	69.089
	Spiked Amount 40.000			Recovery	= 150.60%	172.72%	
13) s	DCB	10.174	10.661	11721.5E6	330.7E6	57.763	71.753
	Spiked Amount 40.000			Recovery	= 144.41%	179.38%	
	Target Compounds						
2)	AR1016-A	3.130	3.135	2806.6E6	76975378	676.505	816.431
3)	AR1016-B	3.475	3.521	5928.1E6	171.1E6	734.935	856.864
4)	AR1016-C	3.962	3.997	10537.6E6	329.2E6	624.915m	804.342m#
5)	AR1016-D	4.109f	4.146	7682.8E6	136.9E6	683.799m	841.577m
6)	AR1016-E	4.573f	4.688	4671.2E6	156.1E6	647.276m	841.401m#
7)	AR1260-A	6.149	6.363	7894.9E6	220.1E6	738.713	874.486m
8)	AR1260-B	6.541	6.661	13767.4E6	272.8E6	695.375m	902.027 #
9)	AR1260-C	6.951	7.331	24657.6E6	675.3E6	730.577m	903.781m
10)	AR1260-D	7.963	8.176	16949.0E6	504.3E6	704.513m	909.646m#
11)	AR1260-E	8.408	8.760	17823.8E6	492.3E6	729.751m	924.036m#
12)	AR1260-F	9.402	9.697	4416.5E6	138.0E6	703.604	925.366 #

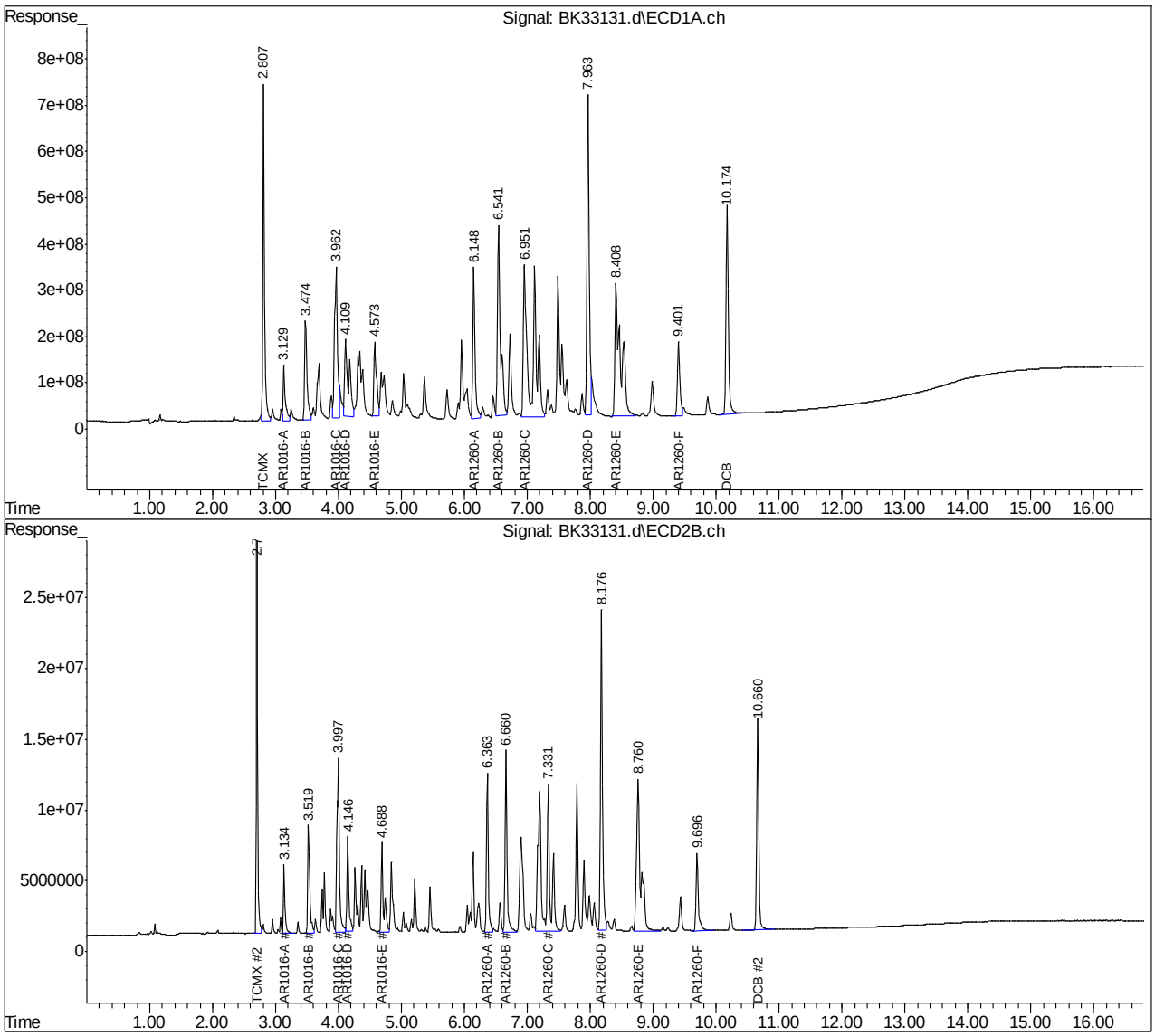
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

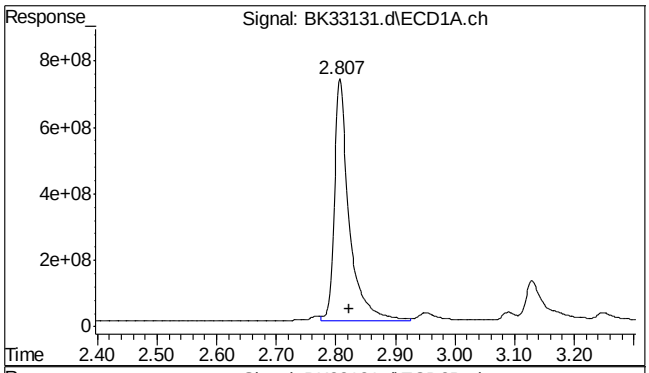
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33131.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 8:41 am
Operator : andrip
Sample : ic1090-750,a16/60
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 14:01:26 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

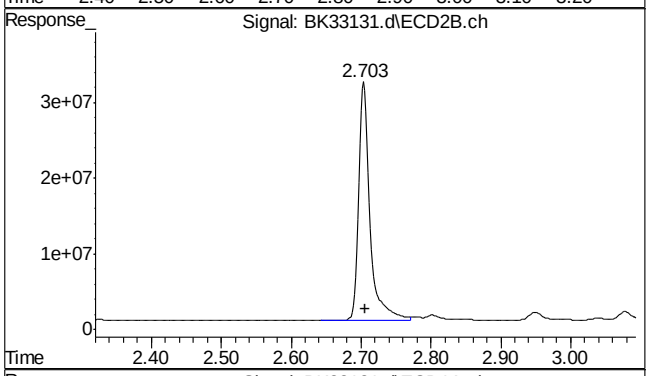
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





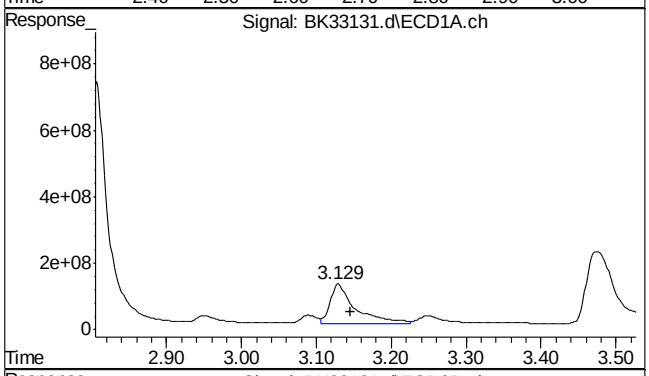
#1 TCMX

R.T.: 2.807 min
Delta R.T.: -0.015 min
Response: 12480499355
Conc: 60.24 ppb m



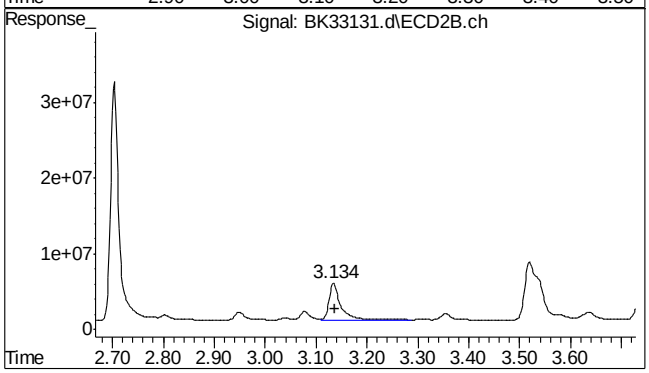
#1 TCMX

R.T.: 2.704 min
Delta R.T.: -0.002 min
Response: 361427745
Conc: 69.09 ppb



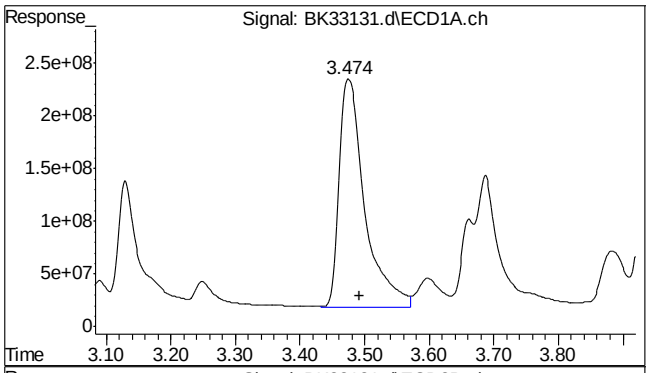
#2 AR1016-A

R.T.: 3.130 min
Delta R.T.: -0.015 min
Response: 2806605517
Conc: 676.50 ppb



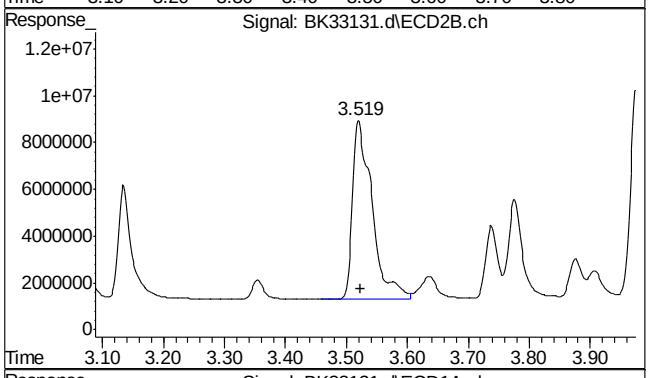
#2 AR1016-A

R.T.: 3.135 min
Delta R.T.: -0.001 min
Response: 76975378
Conc: 816.43 ppb



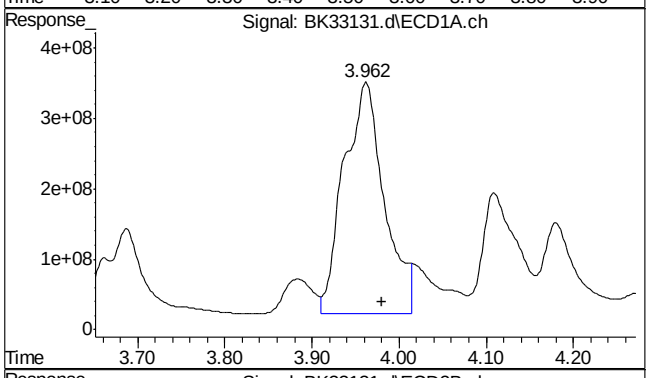
#3 AR1016-B

R.T.: 3.475 min
Delta R.T.: -0.016 min
Response: 5928052230
Conc: 734.93 ppb



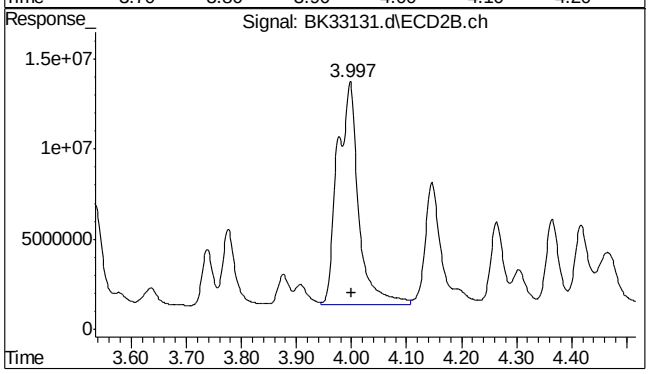
#3 AR1016-B

R.T.: 3.521 min
Delta R.T.: -0.001 min
Response: 171137763
Conc: 856.86 ppb



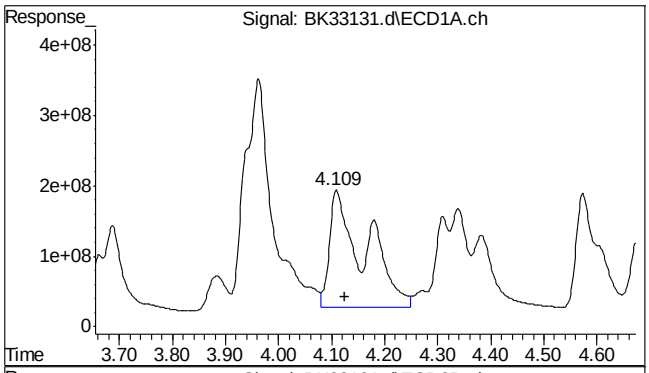
#4 AR1016-C

R.T.: 3.962 min
Delta R.T.: -0.018 min
Response: 10537556617
Conc: 624.91 ppb m



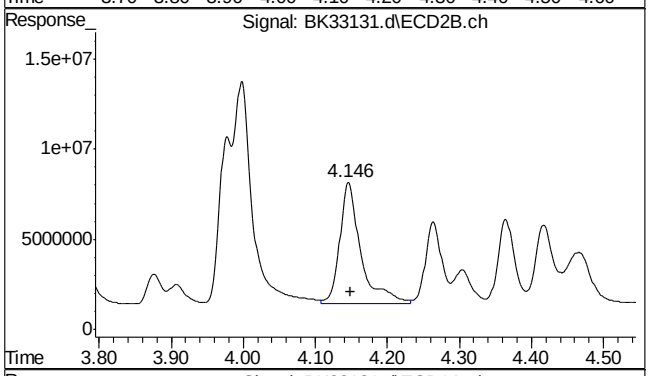
#4 AR1016-C

R.T.: 3.997 min
Delta R.T.: -0.003 min
Response: 329248694
Conc: 804.34 ppb m



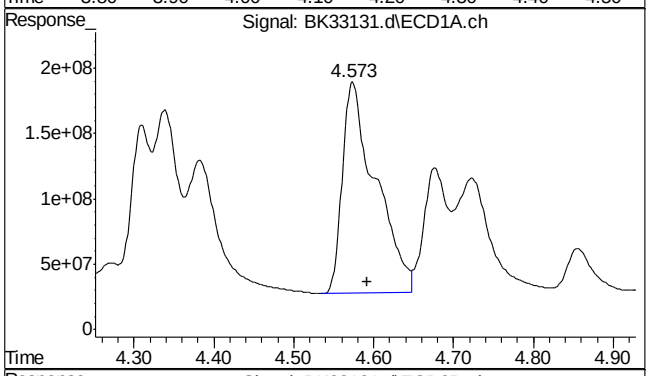
#5 AR1016-D

R.T.: 4.109 min
Delta R.T.: -0.017 min
Response: 7682826835
Conc: 683.80 m



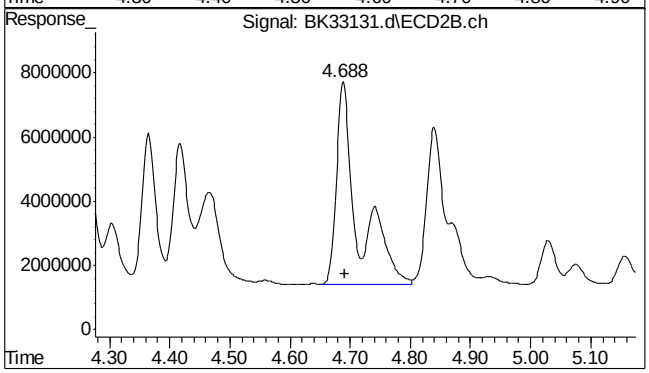
#5 AR1016-D

R.T.: 4.146 min
Delta R.T.: -0.004 min
Response: 136854493
Conc: 841.58 m



#6 AR1016-E

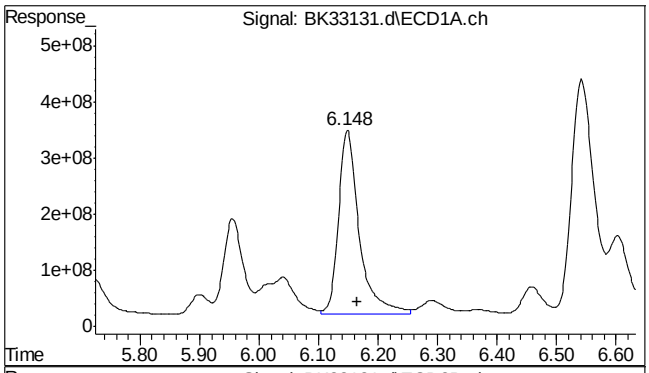
R.T.: 4.573 min
Delta R.T.: -0.019 min
Response: 4671239945
Conc: 647.28 m



#6 AR1016-E

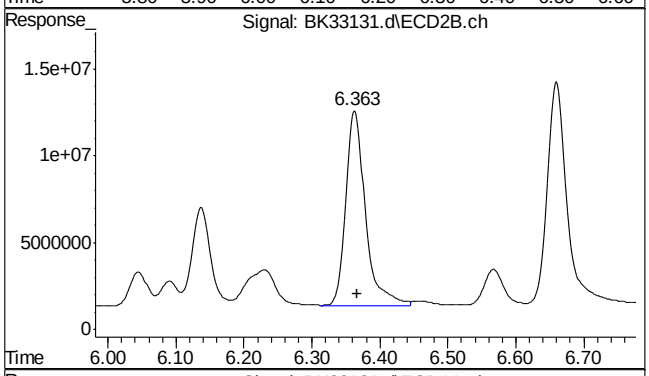
R.T.: 4.688 min
Delta R.T.: -0.004 min
Response: 156134687
Conc: 841.40 m

9.5.2
9



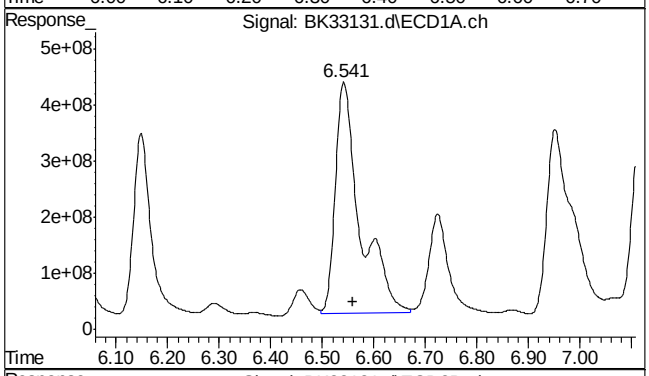
#7 AR1260-A

R.T.: 6.149 min
Delta R.T.: -0.017 min
Response: 7894882348
Conc: 738.71 ppb



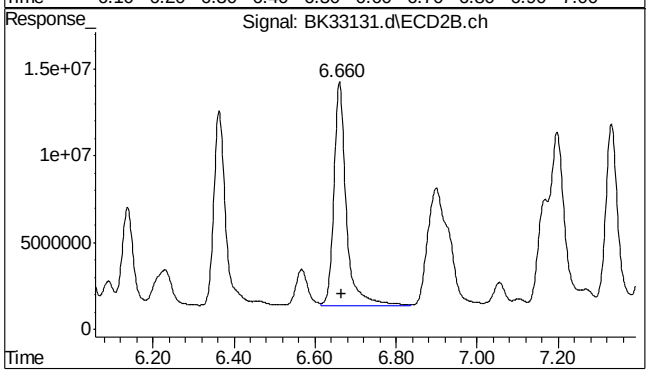
#7 AR1260-A

R.T.: 6.363 min
Delta R.T.: -0.005 min
Response: 220128266
Conc: 874.49 ppb m



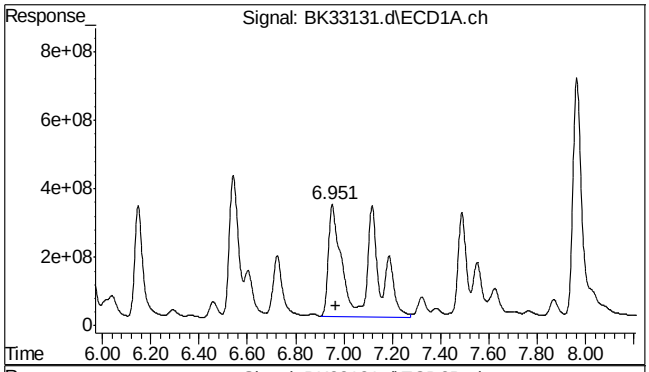
#8 AR1260-B

R.T.: 6.541 min
Delta R.T.: -0.018 min
Response: 13767355210
Conc: 695.38 ppb m



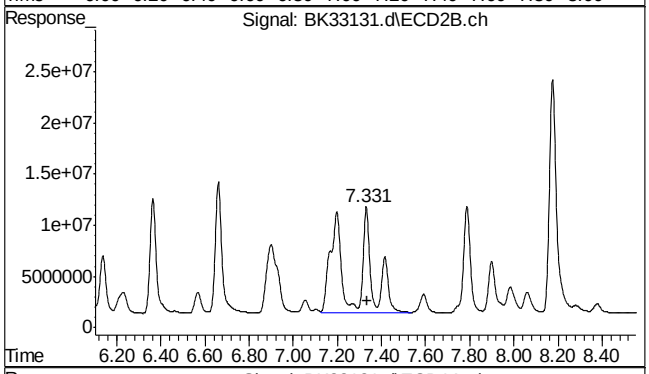
#8 AR1260-B

R.T.: 6.661 min
Delta R.T.: -0.004 min
Response: 272805405
Conc: 902.03 ppb



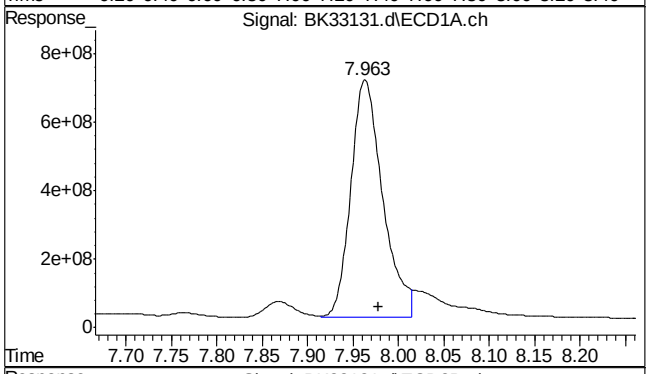
#9 AR1260-C

R.T.: 6.951 min
Delta R.T.: -0.017 min
Response: 24657641085
Conc: 730.58 ppb m



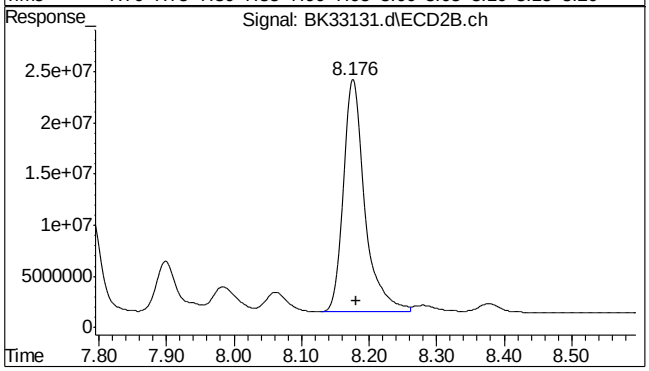
#9 AR1260-C

R.T.: 7.331 min
Delta R.T.: -0.004 min
Response: 675291131
Conc: 903.78 ppb m



#10 AR1260-D

R.T.: 7.963 min
Delta R.T.: -0.016 min
Response: 16949029653
Conc: 704.51 ppb m

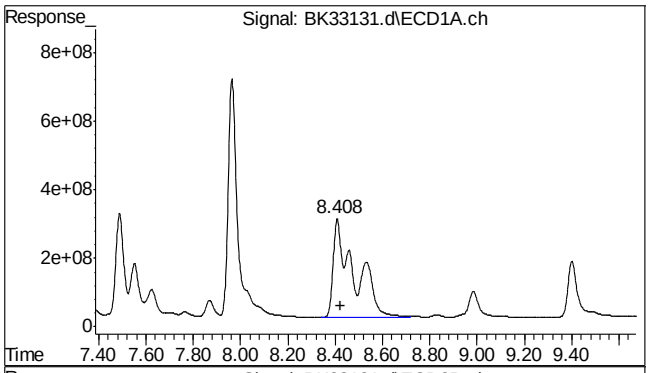


#10 AR1260-D

R.T.: 8.176 min
Delta R.T.: -0.005 min
Response: 504256021
Conc: 909.65 ppb m

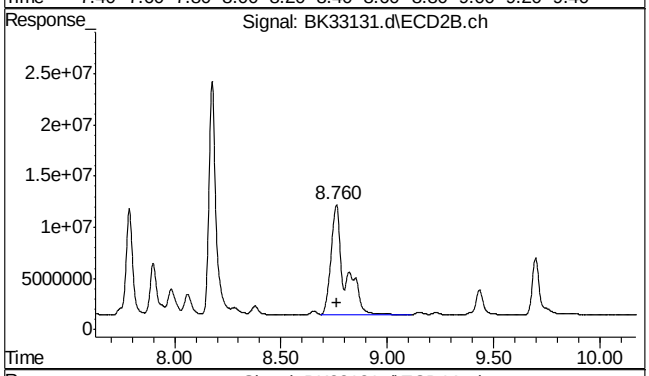
9.5.2

9



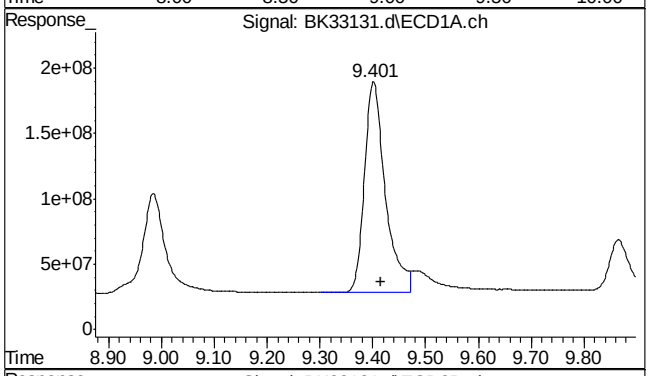
#11 AR1260-E

R.T.: 8.408 min
Delta R.T.: -0.014 min
Response: 17823792944
Conc: 729.75 ppb m



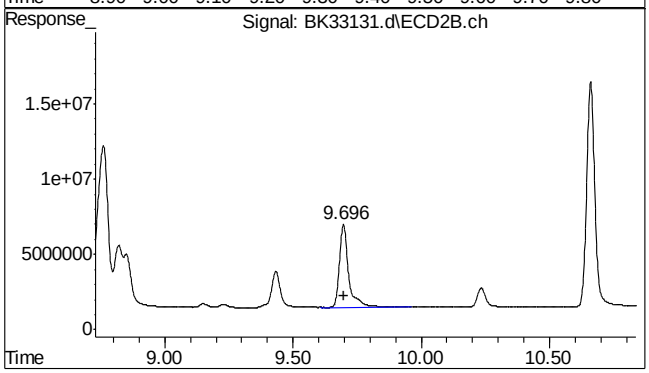
#11 AR1260-E

R.T.: 8.760 min
Delta R.T.: -0.003 min
Response: 492258586
Conc: 924.04 ppb m



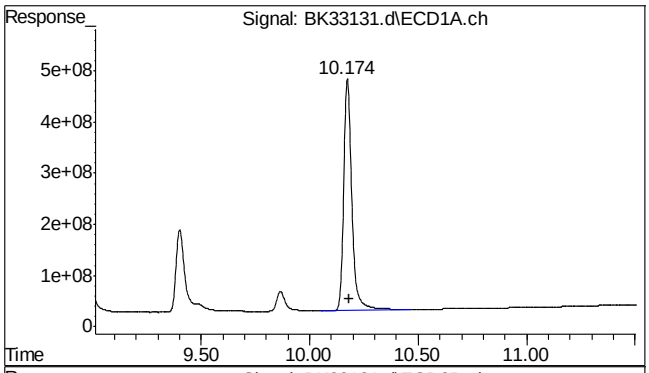
#12 AR1260-F

R.T.: 9.402 min
Delta R.T.: -0.013 min
Response: 4416482533
Conc: 703.60



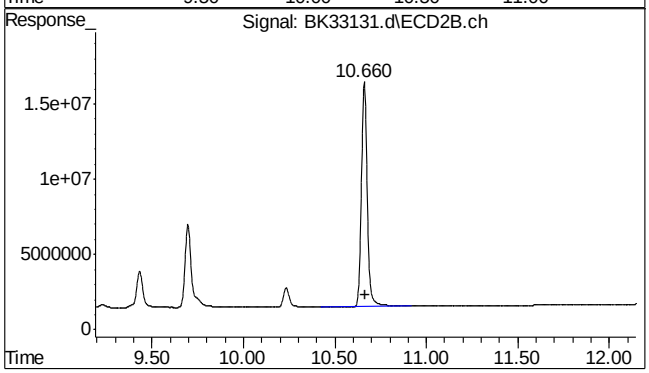
#12 AR1260-F

R.T.: 9.697 min
Delta R.T.: -0.003 min
Response: 137981852
Conc: 925.37



#13 DCB

R.T.: 10.174 min
Delta R.T.: -0.012 min
Response: 11721515096
Conc: 57.76 ppb



#13 DCB

R.T.: 10.661 min
Delta R.T.: -0.004 min
Response: 330699950
Conc: 71.75 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
12/16/13 16:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33132.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 9:00 am
Operator : andrip
Sample : icc1090-500,a16/60
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 14:03:27 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.806	2.704	10311.4E6	299.6E6	49.770m	57.276
	Spiked Amount 40.000			Recovery	=	124.43%	143.19%
13) s	DCB	10.174	10.661	9676.1E6	275.0E6	47.683	59.658 #
	Spiked Amount 40.000			Recovery	=	119.21%	149.14%
	Target Compounds						
2)	AR1016-A	3.130	3.134	1882.4E6	50516902	453.732	535.802
3)	AR1016-B	3.475	3.520	3845.6E6	112.6E6	476.765	563.804
4)	AR1016-C	3.962	3.997	6543.3E6	213.1E6	388.040m	520.715m#
5)	AR1016-D	4.108f	4.145	5035.6E6	87889653	448.186m	540.471m
6)	AR1016-E	4.573f	4.688	2994.1E6	101.9E6	414.877m	548.952m#
7)	AR1260-A	6.147	6.363	4938.0E6	142.9E6	462.042m	567.858m
8)	AR1260-B	6.540	6.659	9005.4E6	173.6E6	454.851m	573.978m#
9)	AR1260-C	7.115f	7.330	15982.9E6	432.7E6	473.554m	579.064m
10)	AR1260-D	7.963	8.175	10850.3E6	320.3E6	451.010m	577.747m#
11)	AR1260-E	8.408	8.760	11384.7E6	314.8E6	466.119m	590.985m#
12)	AR1260-F	9.400	9.696	2871.6E6	90089457	457.490m	604.179 #

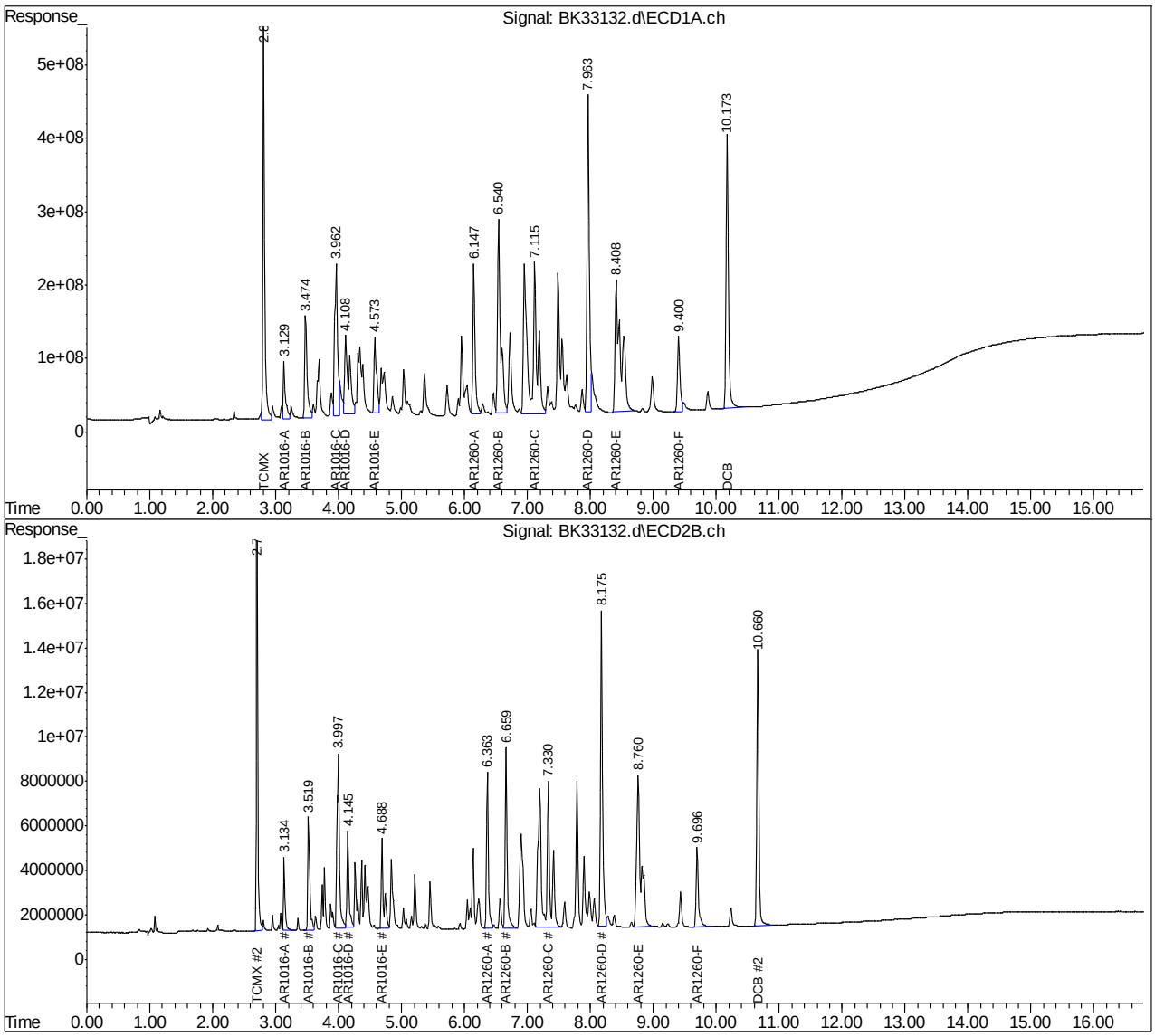
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

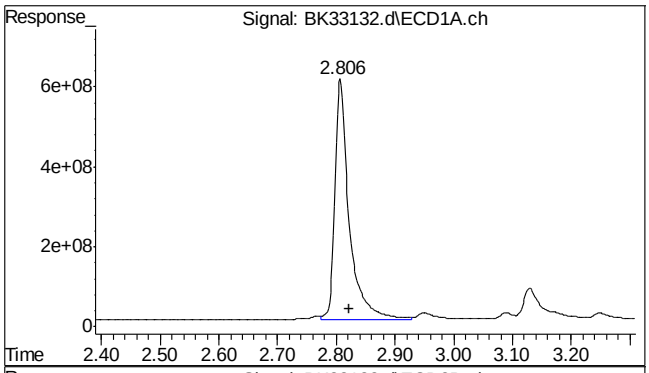
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33132.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 9:00 am
Operator : andrip
Sample : icc1090-500,a16/60
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 14:03:27 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

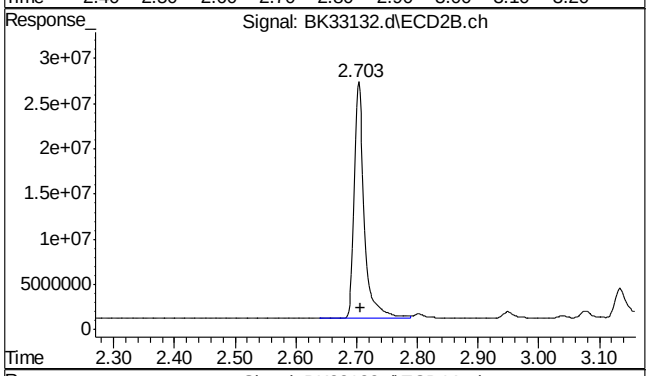
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





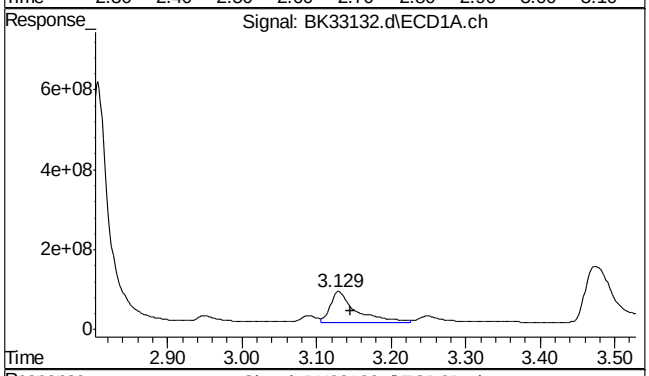
#1 TCMX

R.T.: 2.806 min
Delta R.T.: -0.016 min
Response: 10311391439
Conc: 49.77 ppb m



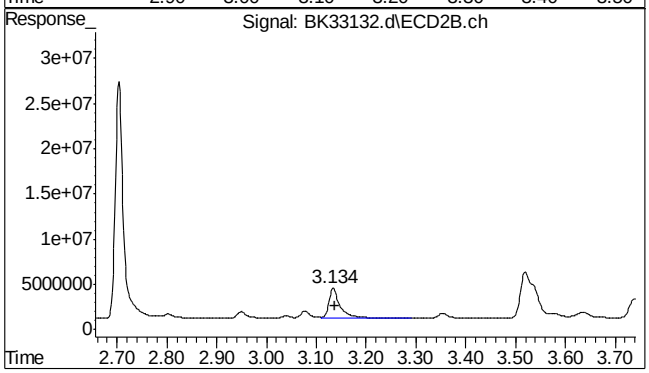
#1 TCMX

R.T.: 2.704 min
Delta R.T.: -0.002 min
Response: 299632650
Conc: 57.28 ppb



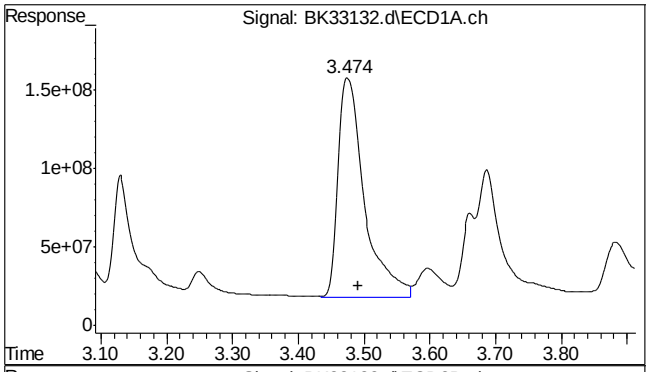
#2 AR1016-A

R.T.: 3.130 min
Delta R.T.: -0.015 min
Response: 1882391668
Conc: 453.73 ppb



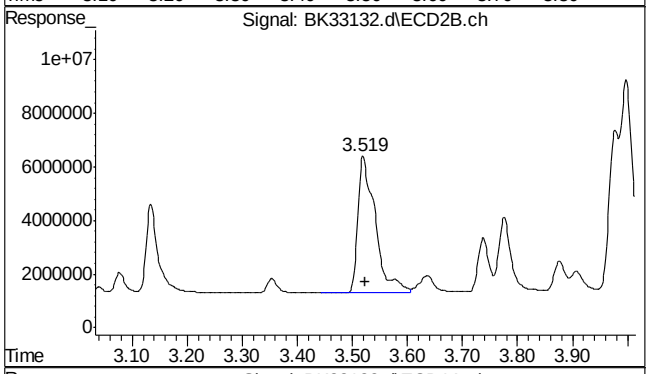
#2 AR1016-A

R.T.: 3.134 min
Delta R.T.: -0.002 min
Response: 50516902
Conc: 535.80 ppb



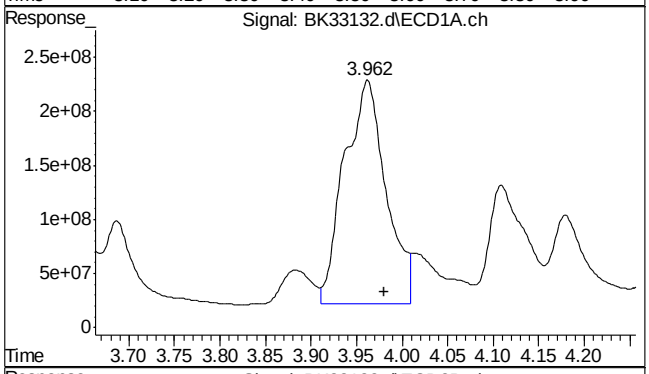
#3 AR1016-B

R.T.: 3.475 min
Delta R.T.: -0.016 min
Response: 3845629395
Conc: 476.76 ppb



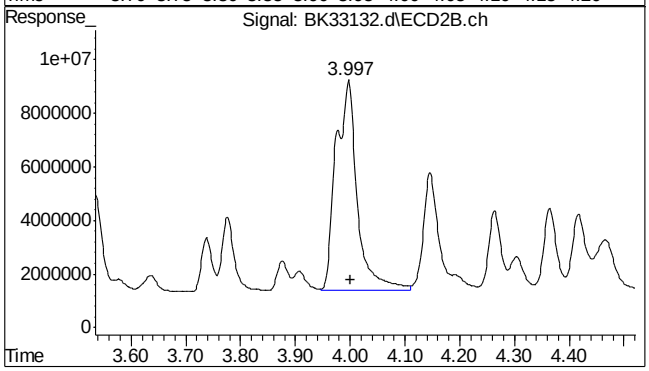
#3 AR1016-B

R.T.: 3.520 min
Delta R.T.: -0.003 min
Response: 112606066
Conc: 563.80 ppb



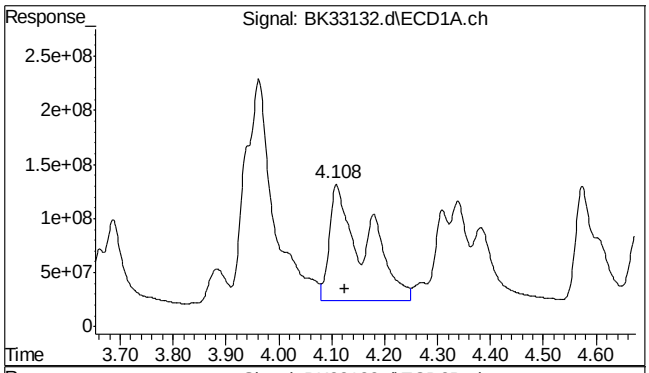
#4 AR1016-C

R.T.: 3.962 min
Delta R.T.: -0.018 min
Response: 6543290668
Conc: 388.04 ppb m



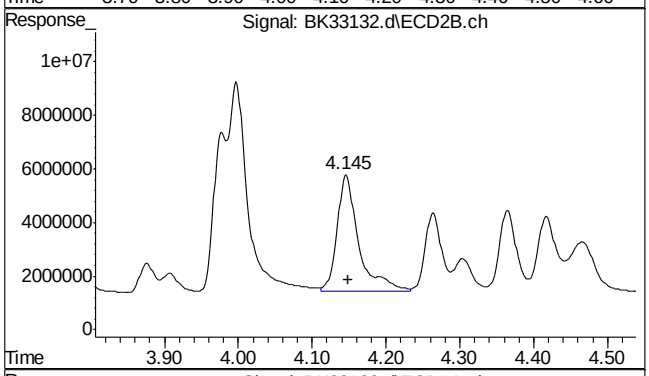
#4 AR1016-C

R.T.: 3.997 min
Delta R.T.: -0.004 min
Response: 213149249
Conc: 520.72 ppb m



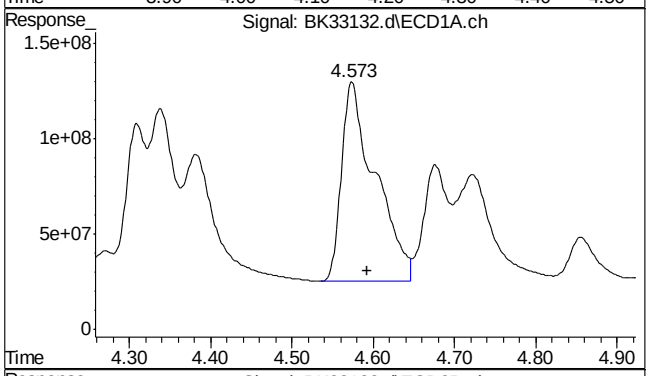
#5 AR1016-D

R.T.: 4.108 min
Delta R.T.: -0.017 min
Response: 5035603052
Conc: 448.19 m



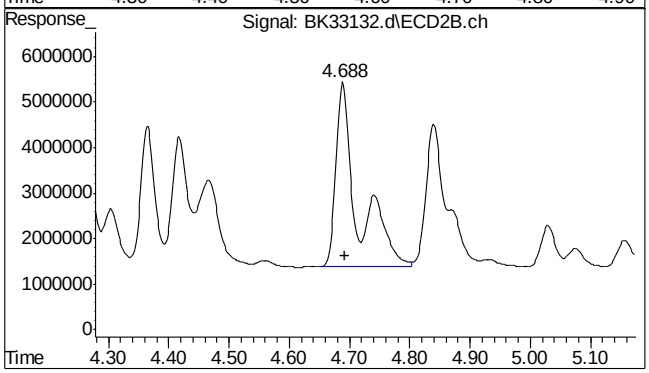
#5 AR1016-D

R.T.: 4.145 min
Delta R.T.: -0.004 min
Response: 87889653
Conc: 540.47 m



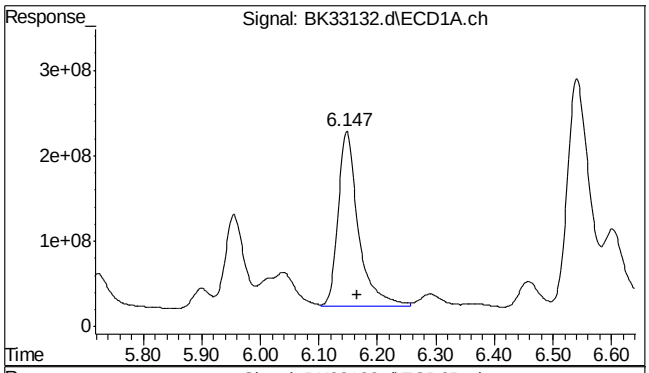
#6 AR1016-E

R.T.: 4.573 min
Delta R.T.: -0.019 min
Response: 2994070034
Conc: 414.88 m



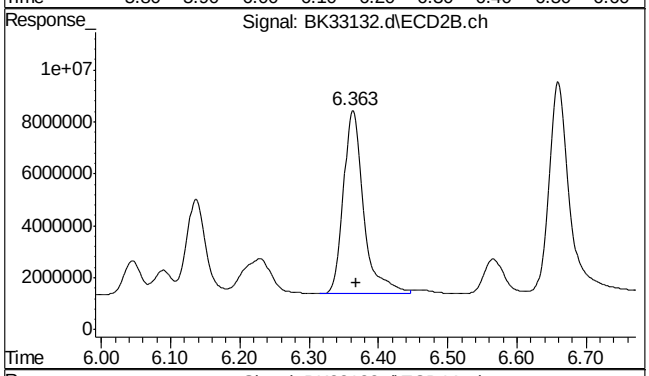
#6 AR1016-E

R.T.: 4.688 min
Delta R.T.: -0.003 min
Response: 101866373
Conc: 548.95 m



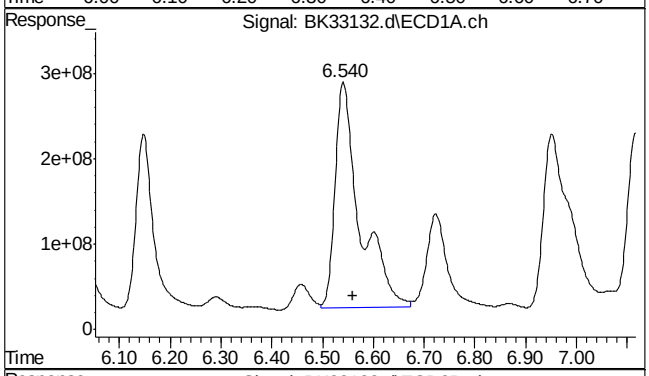
#7 AR1260-A

R.T.: 6.147 min
Delta R.T.: -0.018 min
Response: 4938006976
Conc: 462.04 ppb m



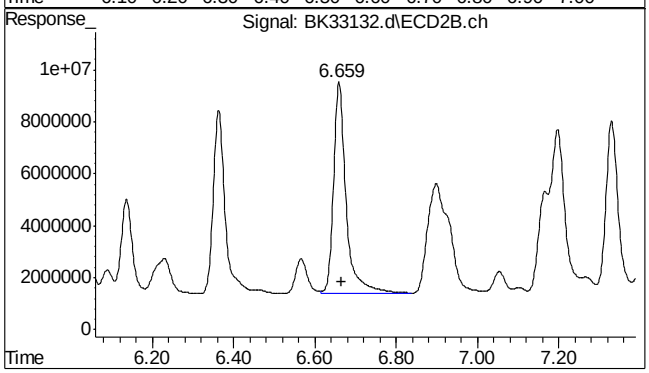
#7 AR1260-A

R.T.: 6.363 min
Delta R.T.: -0.005 min
Response: 142942894
Conc: 567.86 ppb m



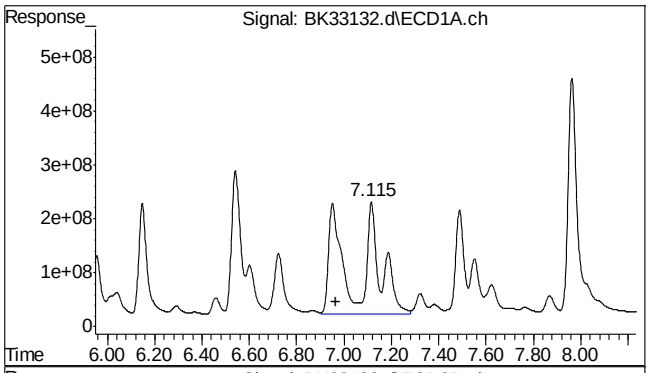
#8 AR1260-B

R.T.: 6.540 min
Delta R.T.: -0.018 min
Response: 9005351569
Conc: 454.85 ppb m



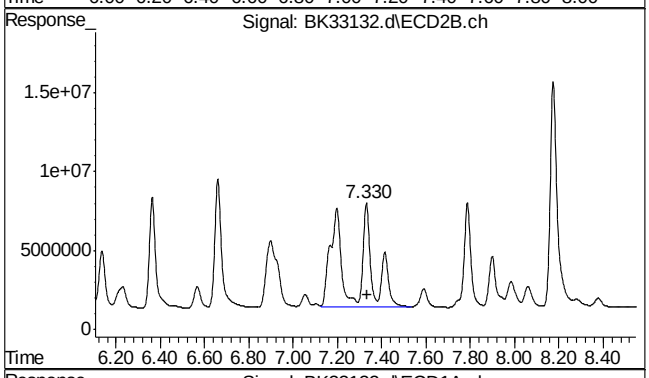
#8 AR1260-B

R.T.: 6.659 min
Delta R.T.: -0.005 min
Response: 173591616
Conc: 573.98 ppb m



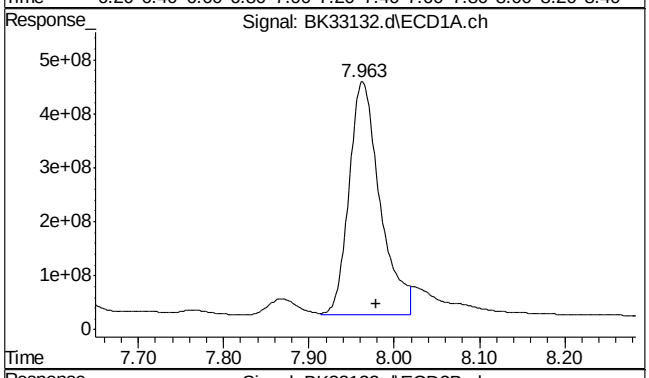
#9 AR1260-C

R.T.: 7.115 min
Delta R.T.: 0.147 min
Response: 15982890894
Conc: 473.55 ppb m



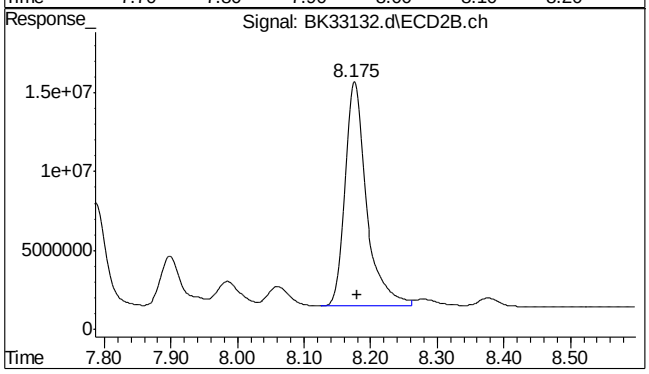
#9 AR1260-C

R.T.: 7.330 min
Delta R.T.: -0.004 min
Response: 432667069
Conc: 579.06 ppb m



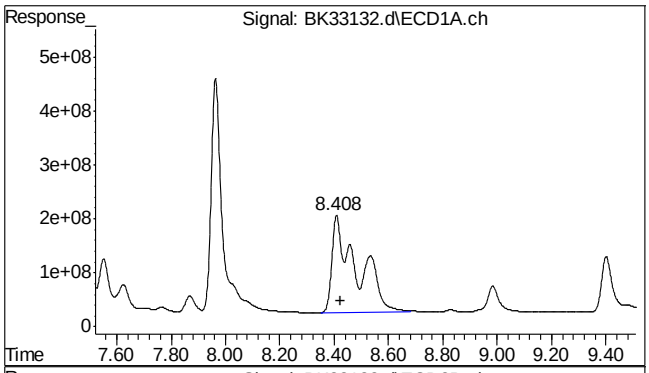
#10 AR1260-D

R.T.: 7.963 min
Delta R.T.: -0.016 min
Response: 10850304070
Conc: 451.01 ppb m



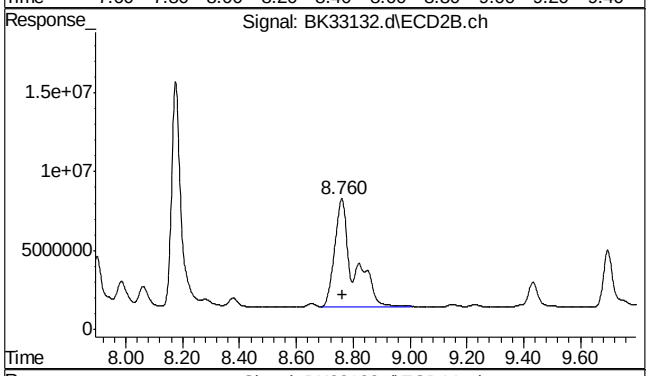
#10 AR1260-D

R.T.: 8.175 min
Delta R.T.: -0.006 min
Response: 320270289
Conc: 577.75 ppb m



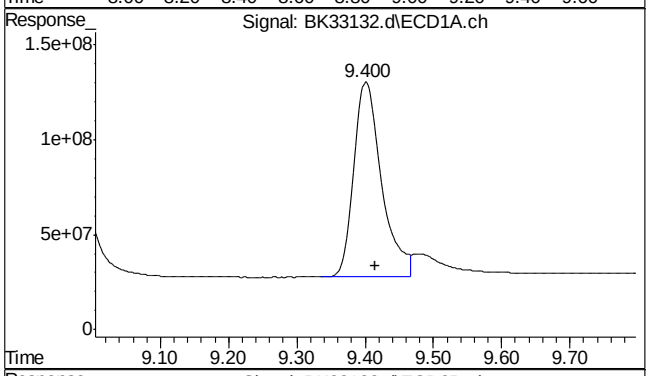
#11 AR1260-E

R.T.: 8.408 min
Delta R.T.: -0.015 min
Response: 11384719787
Conc: 466.12 ppb m



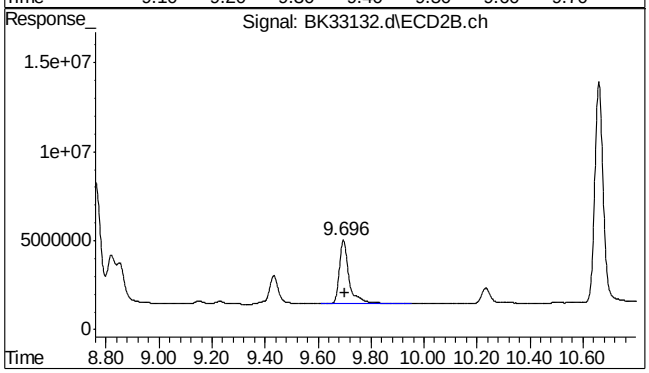
#11 AR1260-E

R.T.: 8.760 min
Delta R.T.: -0.003 min
Response: 314833522
Conc: 590.99 ppb m



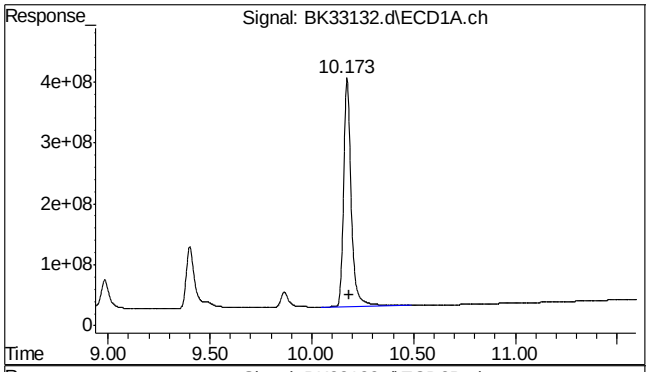
#12 AR1260-F

R.T.: 9.400 min
Delta R.T.: -0.014 min
Response: 2871636172
Conc: 457.49 m



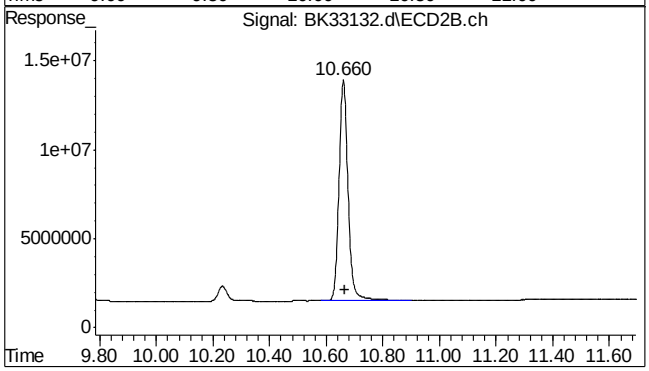
#12 AR1260-F

R.T.: 9.696 min
Delta R.T.: -0.004 min
Response: 90089457
Conc: 604.18



#13 DCB

R.T.: 10.174 min
Delta R.T.: -0.012 min
Response: 9676051260
Conc: 47.68 ppb



#13 DCB

R.T.: 10.661 min
Delta R.T.: -0.004 min
Response: 274955225
Conc: 59.66 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
12/16/13 16:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33133.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 9:19 am
Operator : andrip
Sample : ic1090-250,a16/60
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 14:05:35 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.806	2.704	7872.2E6	234.9E6	37.997m	44.901
	Spiked Amount 40.000			Recovery	=	94.99%	112.25%
13) s	DCB	10.174	10.660	7543.5E6	215.0E6	37.174	46.656 #
	Spiked Amount 40.000			Recovery	=	92.94%	116.64%
	Target Compounds						
2)	AR1016-A	3.129	3.134	775.3E6	25089873	186.881m	266.113 #
3)	AR1016-B	3.474	3.520	1802.6E6	55490581	223.481m	277.834
4)	AR1016-C	3.962	3.997	2899.2E6	97625699	171.936m	238.496m#
5)	AR1016-D	4.108f	4.145	2151.4E6	41131426	191.486m	252.935m#
6)	AR1016-E	4.573f	4.688	1394.6E6	50125249	193.240m	270.122m#
7)	AR1260-A	6.148	6.363	2404.0E6	69119155	224.935m	274.584m
8)	AR1260-B	6.541	6.659	4252.4E6	84207306	214.782m	278.430m#
9)	AR1260-C	7.116f	7.331	7574.6E6	208.4E6	224.426m	278.918m
10)	AR1260-D	7.963	8.176	5001.3E6	146.7E6	207.886m	264.566m#
11)	AR1260-E	8.409	8.759	5391.6E6	148.4E6	220.746m	278.651m#
12)	AR1260-F	9.402	9.696	1321.2E6	41596397	210.492	278.963 #

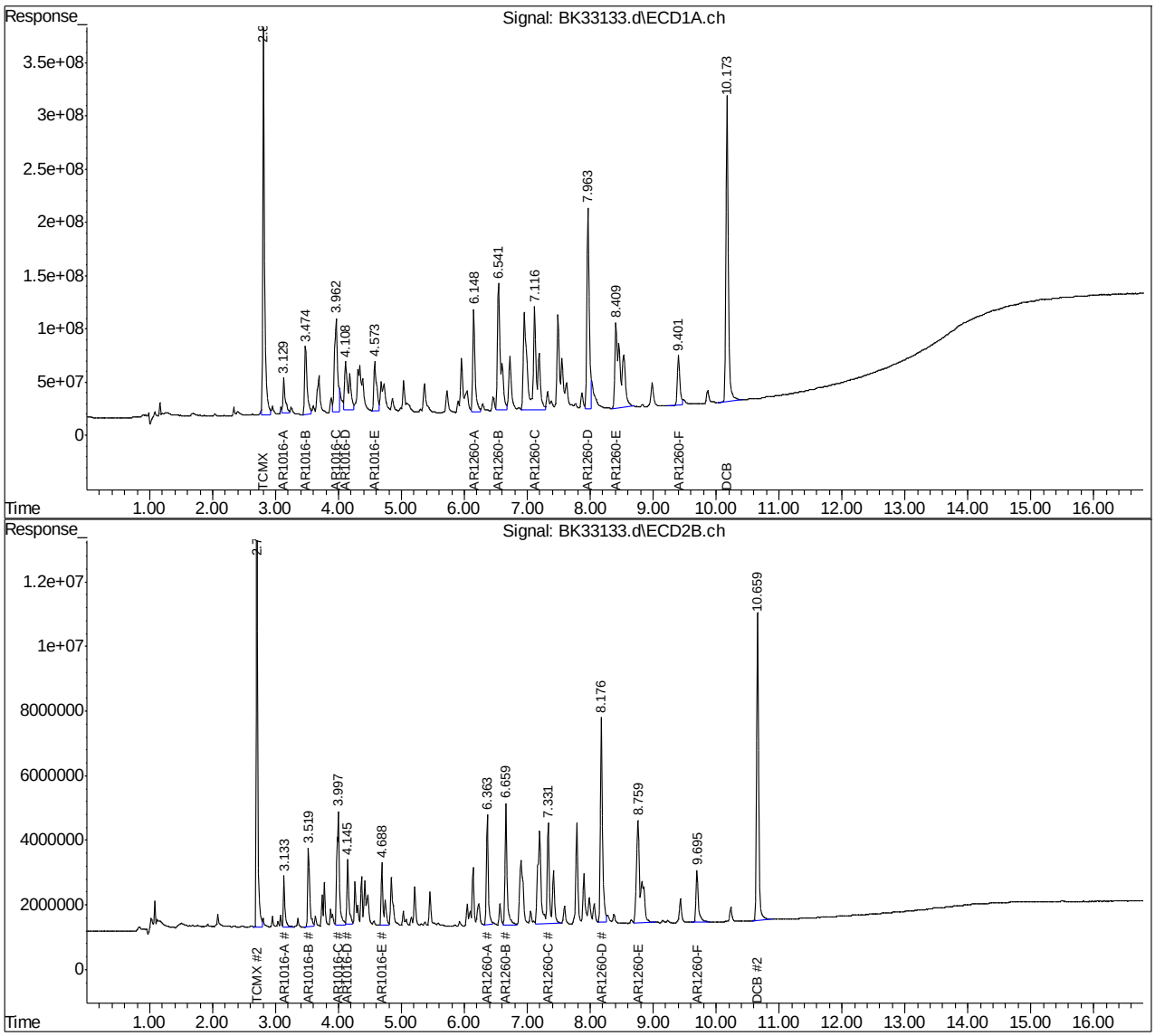
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

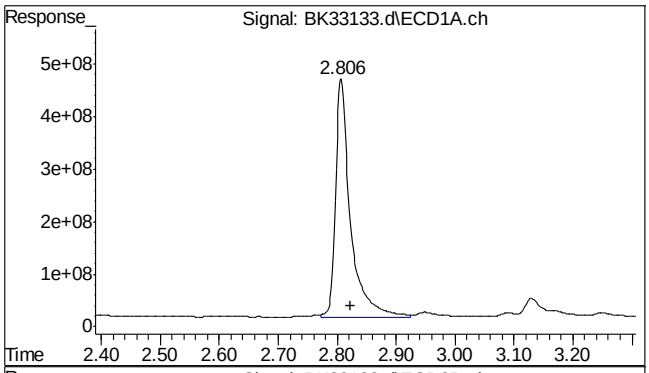
Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33133.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 9:19 am
Operator : andrip
Sample : ic1090-250,a16/60
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 14:05:35 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

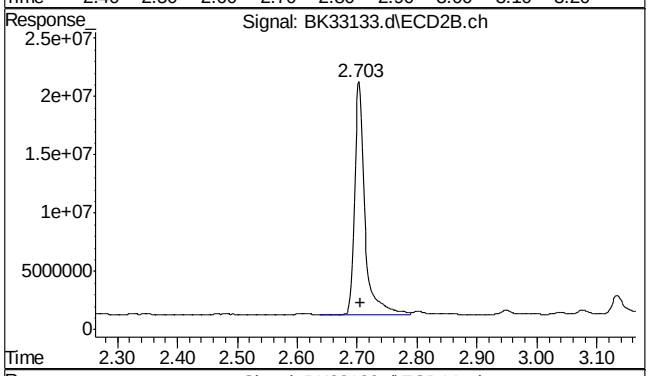


ACCUTEST LABORATORIES MC27081



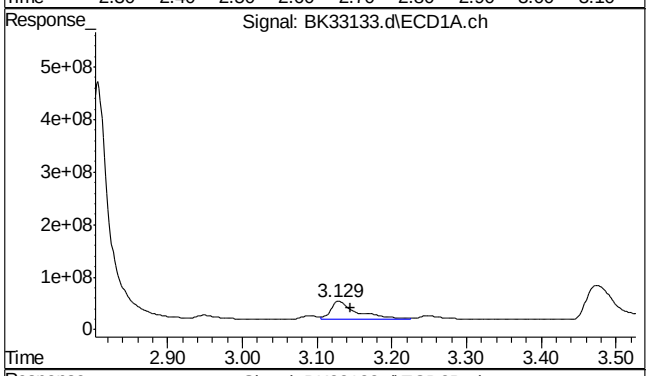
#1 TCMX

R.T.: 2.806 min
Delta R.T.: -0.016 min
Response: 7872178232
Conc: 38.00 ppb m



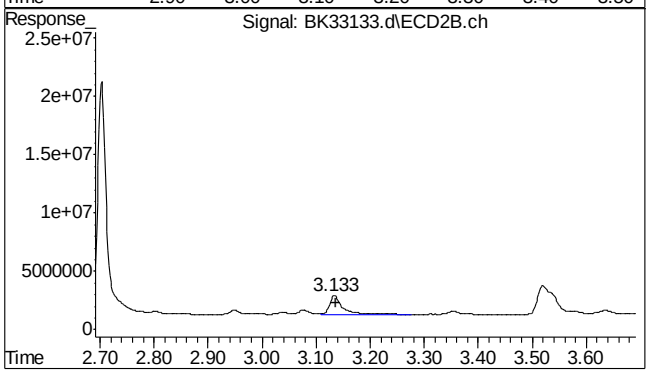
#1 TCMX

R.T.: 2.704 min
Delta R.T.: -0.002 min
Response: 234895263
Conc: 44.90 ppb



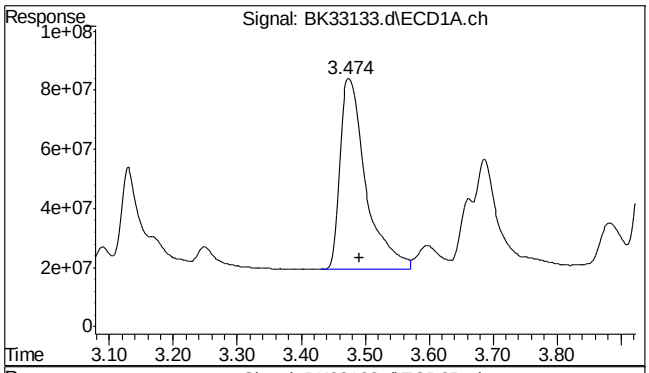
#2 AR1016-A

R.T.: 3.129 min
Delta R.T.: -0.016 min
Response: 775310853
Conc: 186.88 ppb m



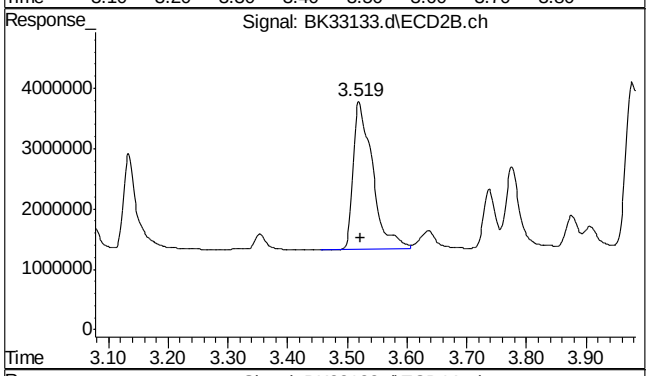
#2 AR1016-A

R.T.: 3.134 min
Delta R.T.: -0.002 min
Response: 25089873
Conc: 266.11 ppb



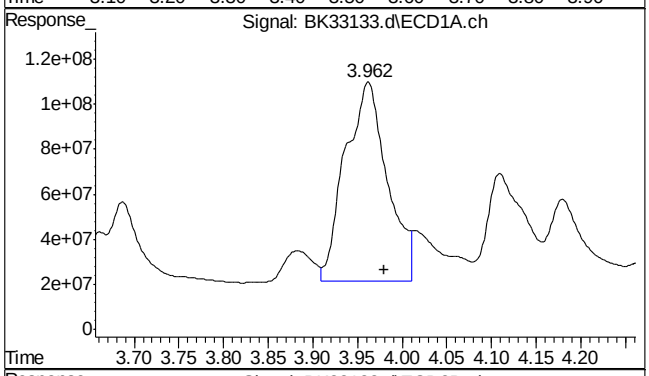
#3 AR1016-B

R.T.: 3.474 min
Delta R.T.: -0.017 min
Response: 1802619754
Conc: 223.48 ppb m



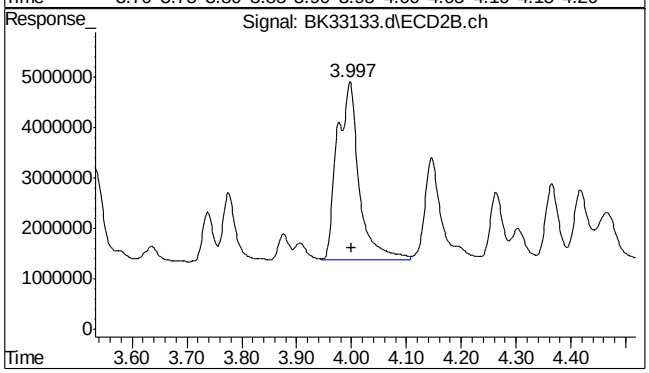
#3 AR1016-B

R.T.: 3.520 min
Delta R.T.: -0.003 min
Response: 55490581
Conc: 277.83 ppb



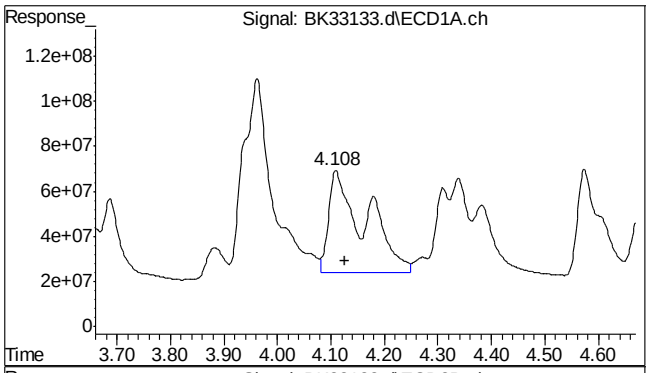
#4 AR1016-C

R.T.: 3.962 min
Delta R.T.: -0.018 min
Response: 2899248891
Conc: 171.94 ppb m



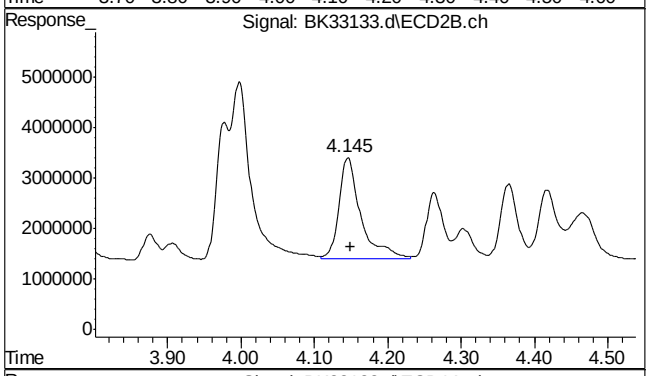
#4 AR1016-C

R.T.: 3.997 min
Delta R.T.: -0.004 min
Response: 97625699
Conc: 238.50 ppb m



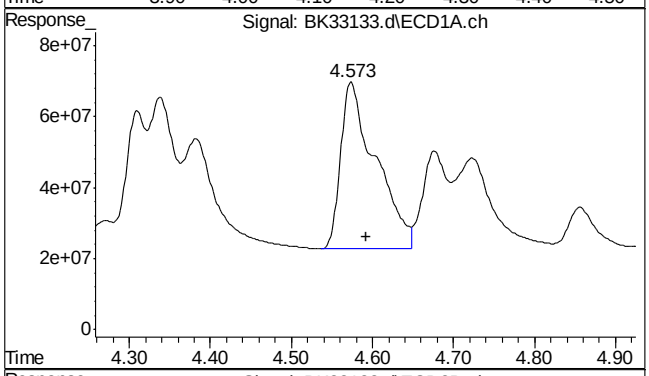
#5 AR1016-D

R.T.: 4.108 min
Delta R.T.: -0.017 min
Response: 2151447078
Conc: 191.49 m



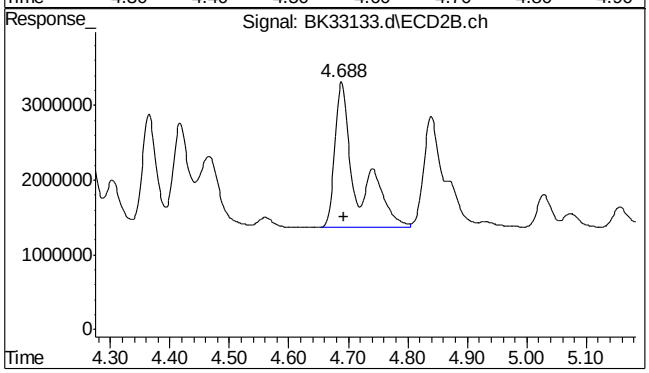
#5 AR1016-D

R.T.: 4.145 min
Delta R.T.: -0.004 min
Response: 41131426
Conc: 252.93 m



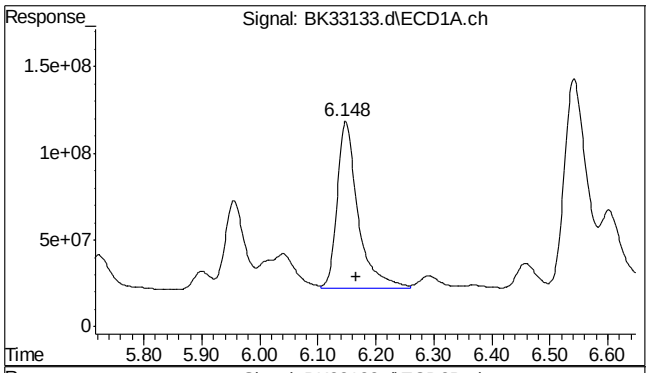
#6 AR1016-E

R.T.: 4.573 min
Delta R.T.: -0.019 min
Response: 1394567903
Conc: 193.24 m



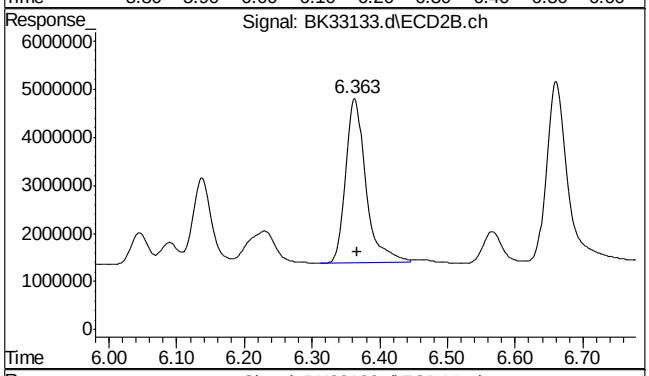
#6 AR1016-E

R.T.: 4.688 min
Delta R.T.: -0.003 min
Response: 50125249
Conc: 270.12 m



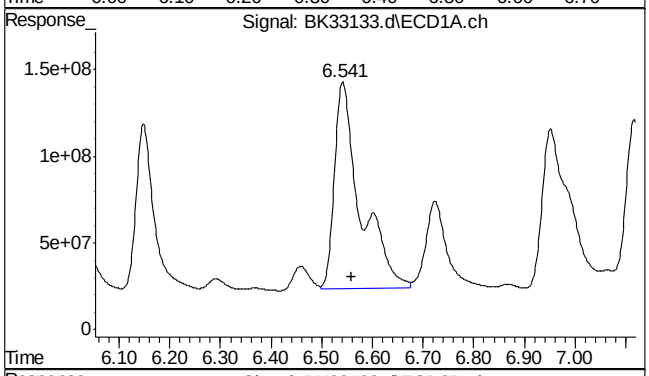
#7 AR1260-A

R.T.: 6.148 min
Delta R.T.: -0.018 min
Response: 2403958074
Conc: 224.93 ppb m



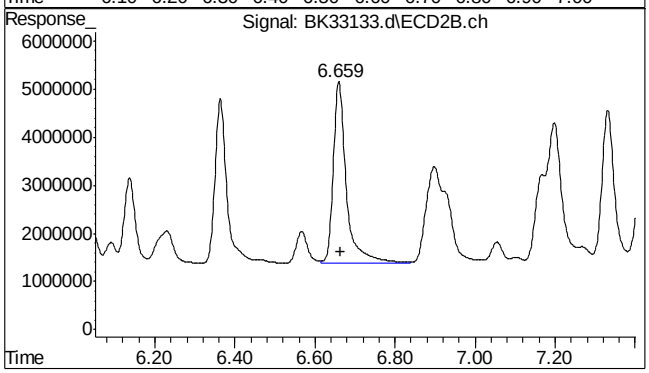
#7 AR1260-A

R.T.: 6.363 min
Delta R.T.: -0.004 min
Response: 69119155
Conc: 274.58 ppb m



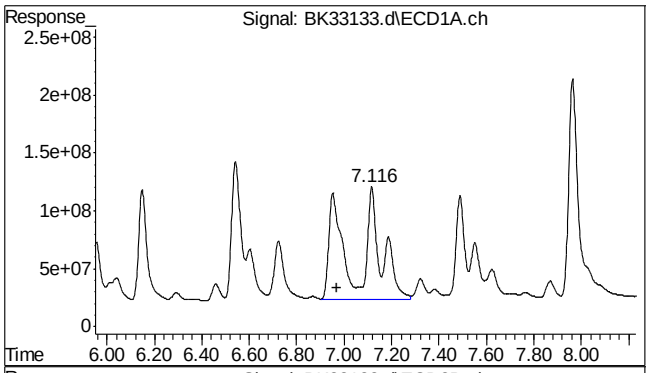
#8 AR1260-B

R.T.: 6.541 min
Delta R.T.: -0.018 min
Response: 4252351472
Conc: 214.78 ppb m



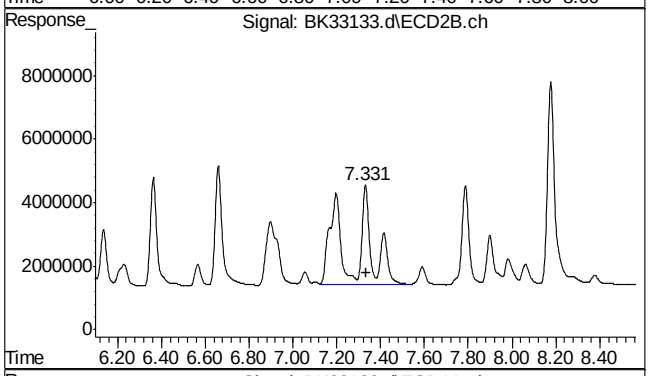
#8 AR1260-B

R.T.: 6.659 min
Delta R.T.: -0.005 min
Response: 84207306
Conc: 278.43 ppb m



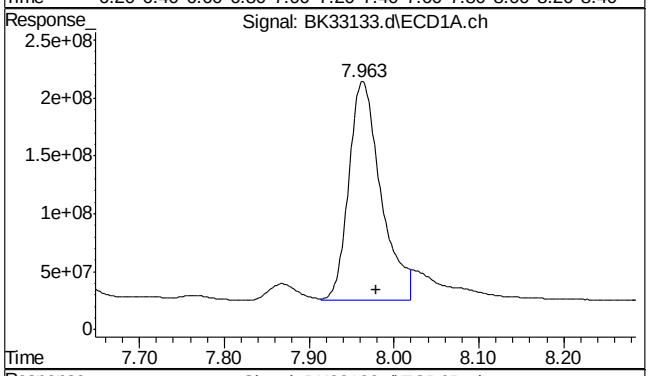
#9 AR1260-C

R.T.: 7.116 min
Delta R.T.: 0.148 min
Response: 7574575974
Conc: 224.43 ppb m



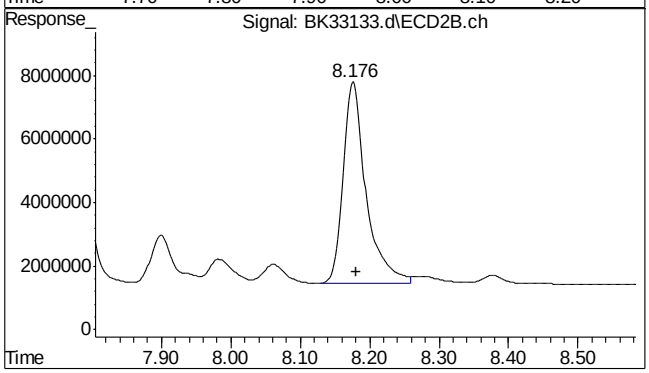
#9 AR1260-C

R.T.: 7.331 min
Delta R.T.: -0.003 min
Response: 208403188
Conc: 278.92 ppb m



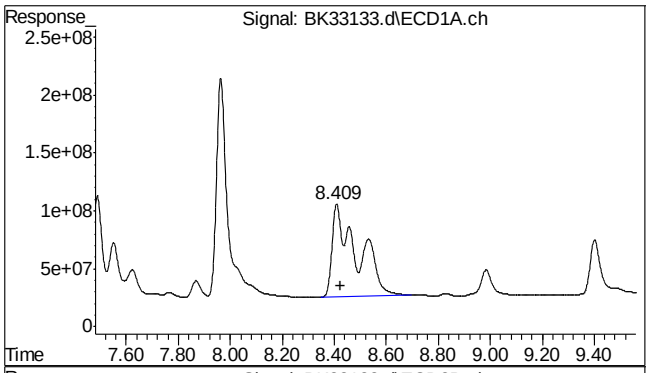
#10 AR1260-D

R.T.: 7.963 min
Delta R.T.: -0.016 min
Response: 5001289627
Conc: 207.89 ppb m



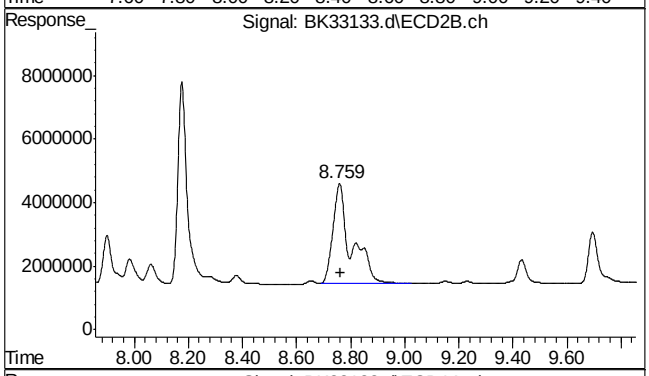
#10 AR1260-D

R.T.: 8.176 min
Delta R.T.: -0.004 min
Response: 146660196
Conc: 264.57 ppb m



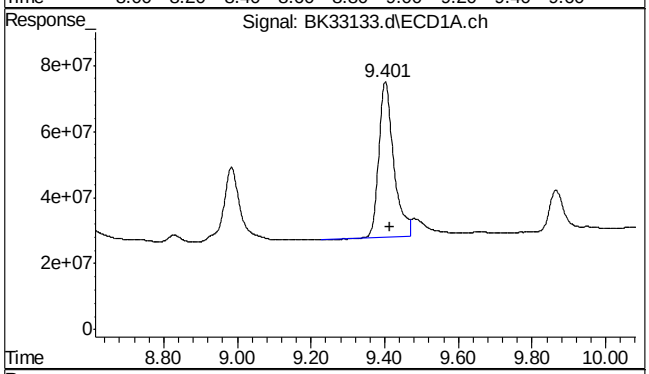
#11 AR1260-E

R.T.: 8.409 min
Delta R.T.: -0.014 min
Response: 5391615731
Conc: 220.75 ppb m



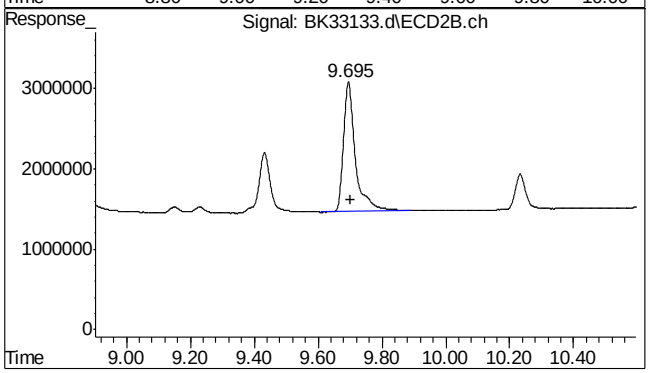
#11 AR1260-E

R.T.: 8.759 min
Delta R.T.: -0.005 min
Response: 148444885
Conc: 278.65 ppb m



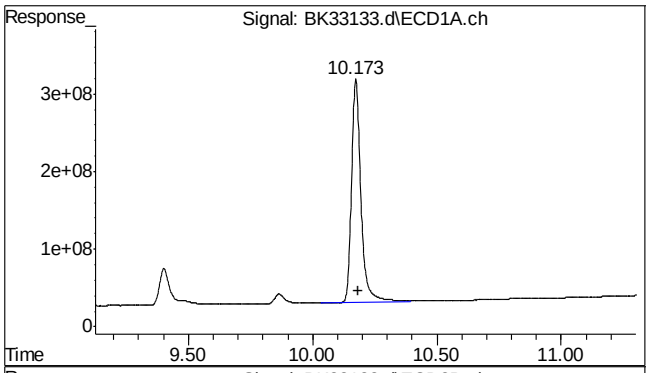
#12 AR1260-F

R.T.: 9.402 min
Delta R.T.: -0.012 min
Response: 1321244429
Conc: 210.49



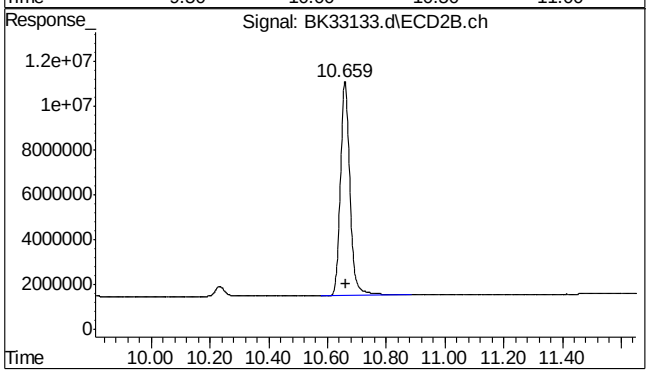
#12 AR1260-F

R.T.: 9.696 min
Delta R.T.: -0.005 min
Response: 41596397
Conc: 278.96



#13 DCB

R.T.: 10.174 min
Delta R.T.: -0.012 min
Response: 7543480829
Conc: 37.17 ppb



#13 DCB

R.T.: 10.660 min
Delta R.T.: -0.005 min
Response: 215032074
Conc: 46.66 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
12/16/13 16:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33134.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 9:38 am
Operator : andrip
Sample : ic1090-100,a16/60
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 14:07:55 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.806	2.702	3135.7E6	93126520	15.135m	17.802m
	Spiked Amount 40.000			Recovery =		37.84%	44.51%
13) s	DCB	10.173	10.661	3279.9E6	91293163	16.163m	19.808
	Spiked Amount 40.000			Recovery =		40.41%	49.52%
	Target Compounds						
2)	AR1016-A	3.128	3.134	336.7E6	10735517	81.152m	113.865 #
3)	AR1016-B	3.475	3.519	796.0E6	24525495	98.688	122.796
4)	AR1016-C	3.961	3.997	1228.6E6	42010241	72.862m	102.629m#
5)	AR1016-D	4.108f	4.145	923.1E6	17218596	82.158m	105.885m#
6)	AR1016-E	4.573f	4.688	628.7E6	20711913	87.115m	111.615m#
7)	AR1260-A	6.147	6.363	1057.2E6	30194347	98.921m	119.951m
8)	AR1260-B	6.541	6.659	1848.6E6	35383819	93.372m	116.996m#
9)	AR1260-C	7.116f	7.330	3138.1E6	90931065	92.978m	121.698m#
10)	AR1260-D	7.963	8.175	2066.7E6	61655837	85.905m	111.223m#
11)	AR1260-E	8.408	8.759	2339.9E6	64088879	95.803m	120.304m#
12)	AR1260-F	9.402	9.696	562.5E6	17942270	89.619m	120.329 #

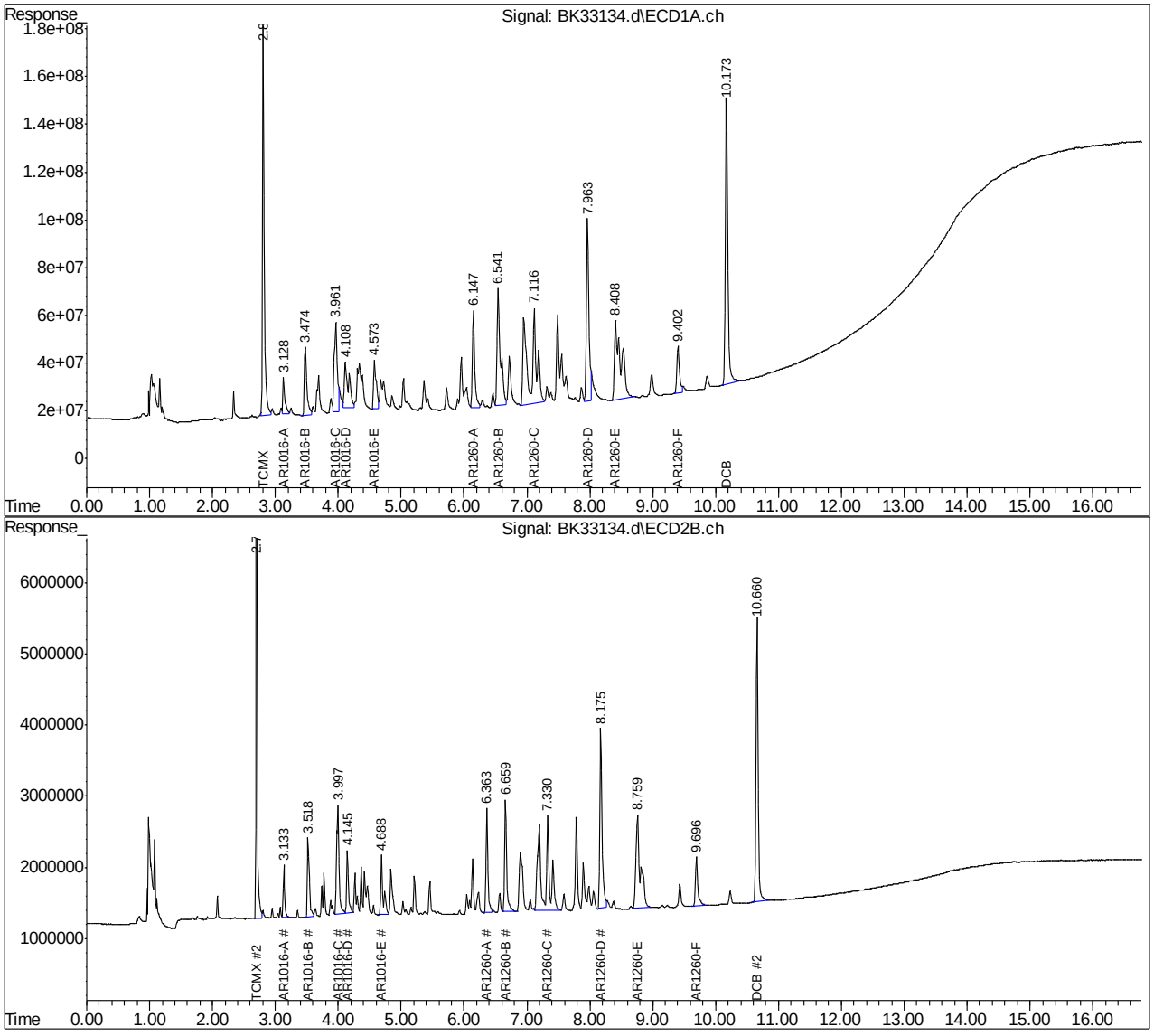
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

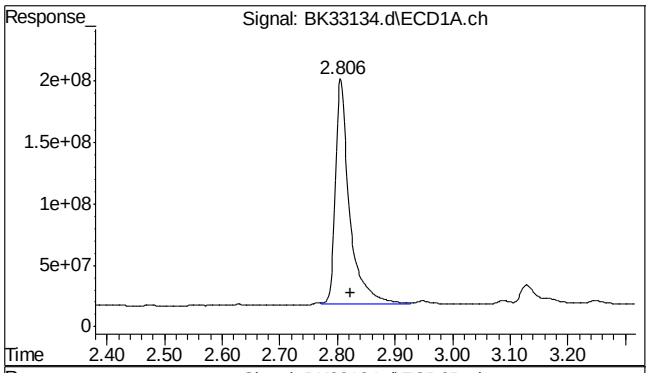
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33134.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 9:38 am
Operator : andrip
Sample : ic1090-100,a16/60
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 14:07:55 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

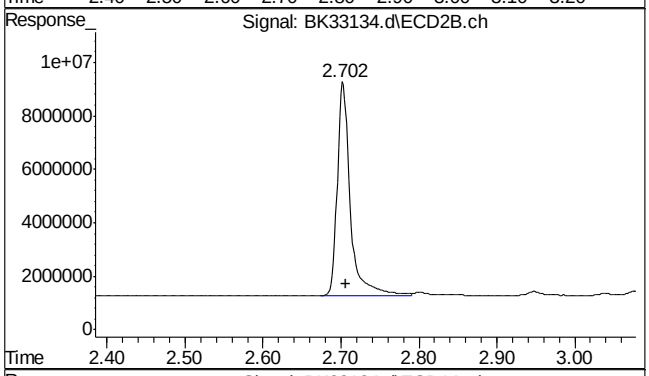
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





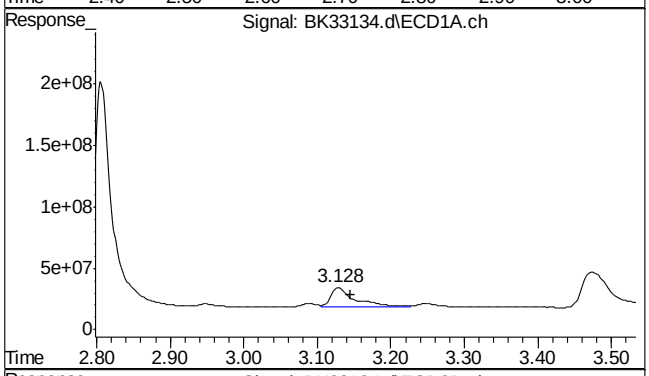
#1 TCMX

R.T.: 2.806 min
Delta R.T.: -0.016 min
Response: 3135681972
Conc: 15.13 ppb m



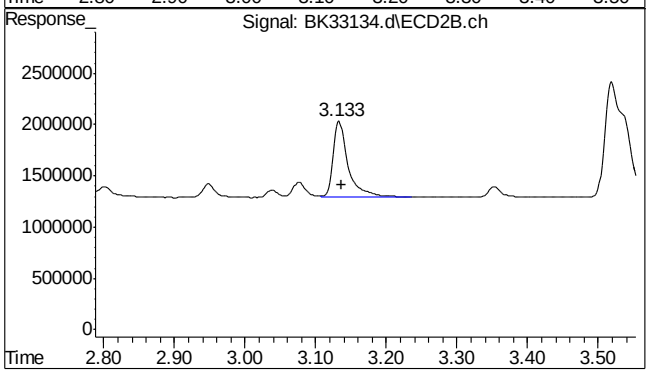
#1 TCMX

R.T.: 2.702 min
Delta R.T.: -0.004 min
Response: 93126520
Conc: 17.80 ppb m



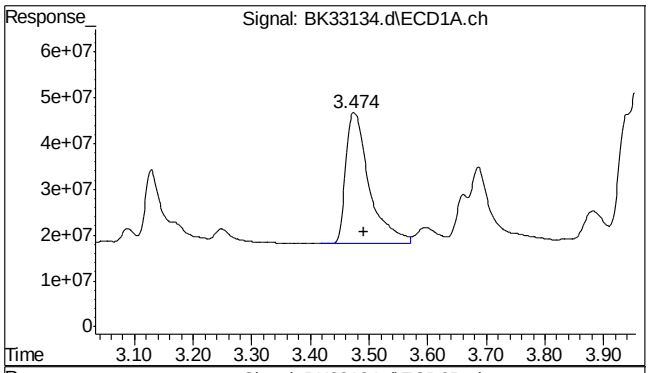
#2 AR1016-A

R.T.: 3.128 min
Delta R.T.: -0.017 min
Response: 336672628
Conc: 81.15 ppb m



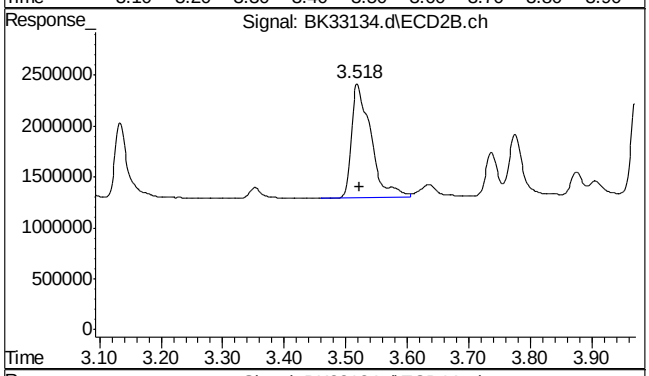
#2 AR1016-A

R.T.: 3.134 min
Delta R.T.: -0.003 min
Response: 10735517
Conc: 113.87 ppb



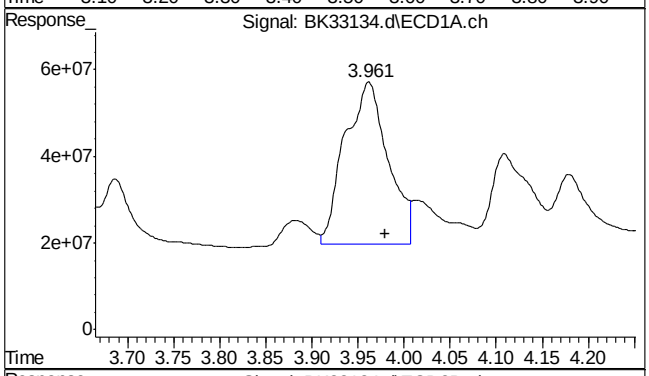
#3 AR1016-B

R.T.: 3.475 min
Delta R.T.: -0.017 min
Response: 796024230
Conc: 98.69 ppb



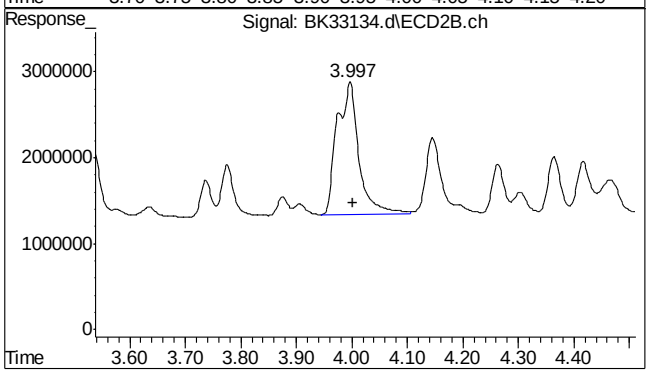
#3 AR1016-B

R.T.: 3.519 min
Delta R.T.: -0.003 min
Response: 24525495
Conc: 122.80 ppb



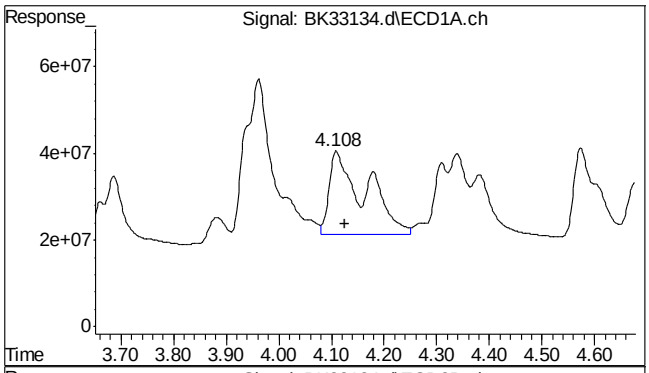
#4 AR1016-C

R.T.: 3.961 min
Delta R.T.: -0.018 min
Response: 1228619292
Conc: 72.86 ppb m



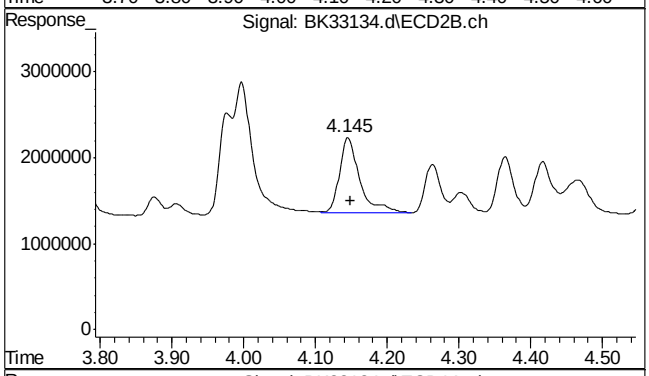
#4 AR1016-C

R.T.: 3.997 min
Delta R.T.: -0.004 min
Response: 42010241
Conc: 102.63 ppb m



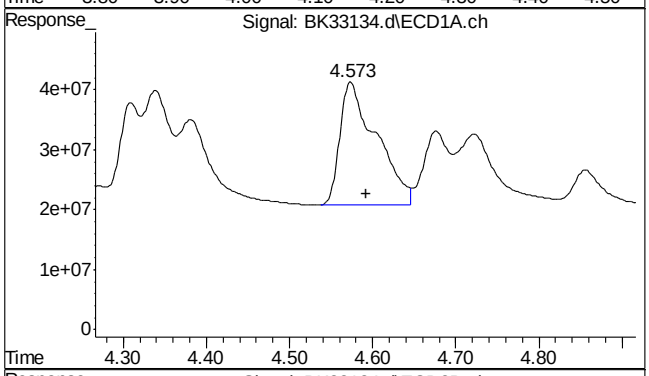
#5 AR1016-D

R.T.: 4.108 min
Delta R.T.: -0.017 min
Response: 923090732
Conc: 82.16 m



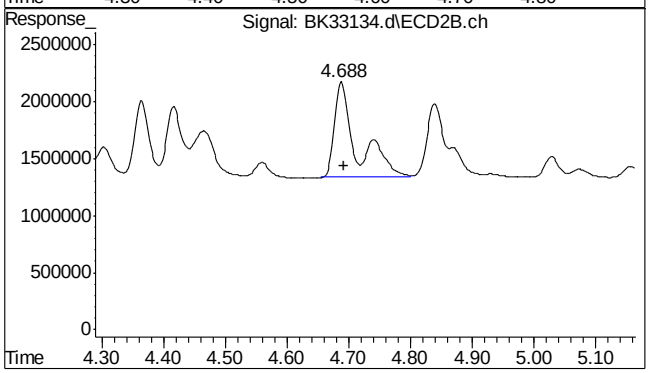
#5 AR1016-D

R.T.: 4.145 min
Delta R.T.: -0.005 min
Response: 17218596
Conc: 105.88 m



#6 AR1016-E

R.T.: 4.573 min
Delta R.T.: -0.019 min
Response: 628690835
Conc: 87.12 m

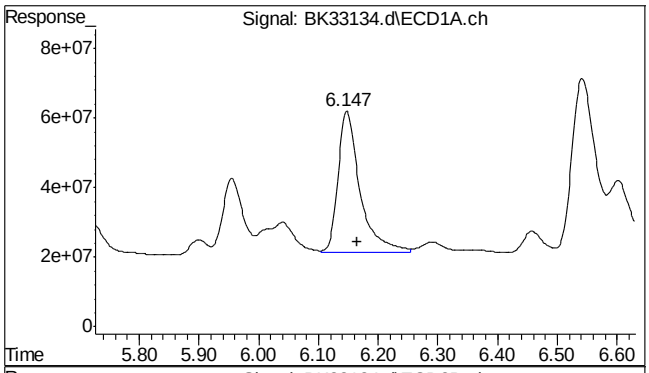


#6 AR1016-E

R.T.: 4.688 min
Delta R.T.: -0.004 min
Response: 20711913
Conc: 111.62 m

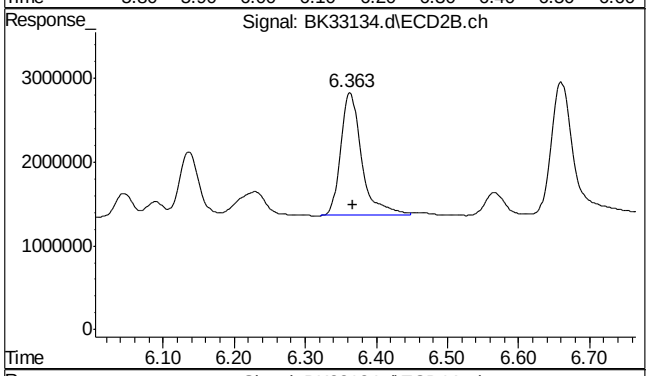
9.5.5

6



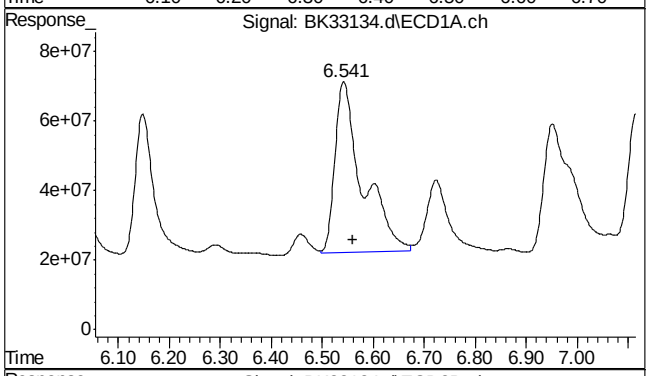
#7 AR1260-A

R.T.: 6.147 min
Delta R.T.: -0.019 min
Response: 1057203977
Conc: 98.92 ppb m



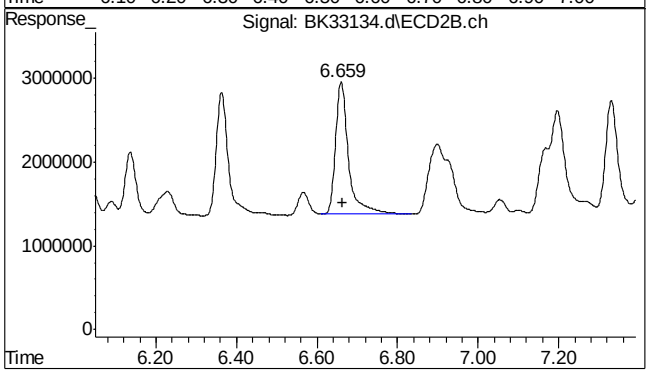
#7 AR1260-A

R.T.: 6.363 min
Delta R.T.: -0.005 min
Response: 30194347
Conc: 119.95 ppb m



#8 AR1260-B

R.T.: 6.541 min
Delta R.T.: -0.018 min
Response: 1848627342
Conc: 93.37 ppb m

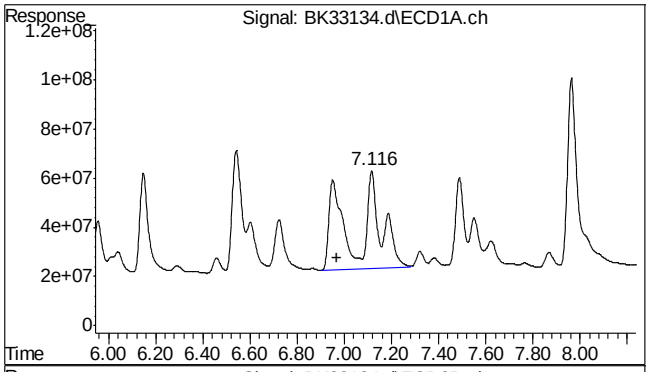


#8 AR1260-B

R.T.: 6.659 min
Delta R.T.: -0.005 min
Response: 35383819
Conc: 117.00 ppb m

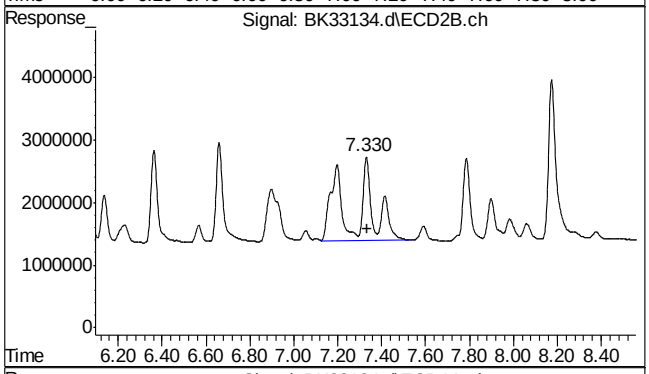
9.5.5

6



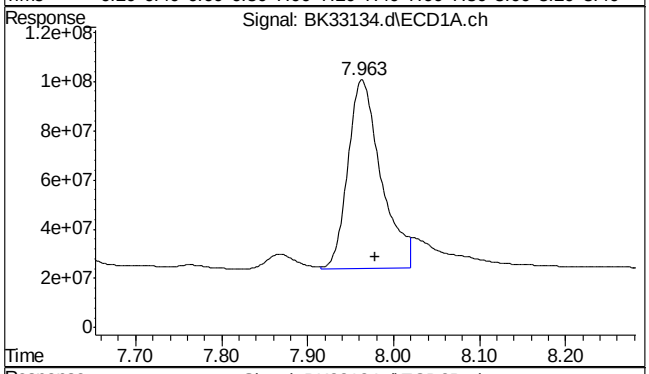
#9 AR1260-C

R.T.: 7.116 min
Delta R.T.: 0.148 min
Response: 3138085383
Conc: 92.98 ppb m



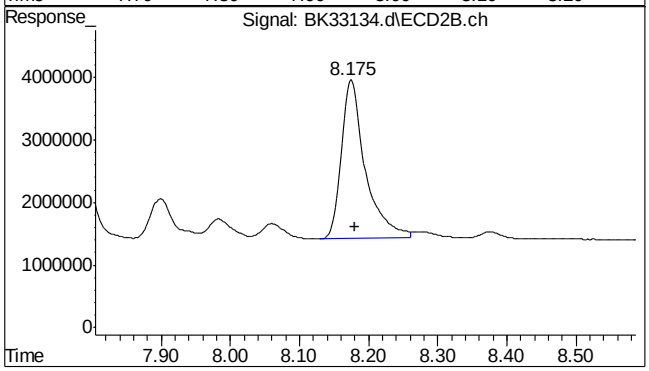
#9 AR1260-C

R.T.: 7.330 min
Delta R.T.: -0.004 min
Response: 90931065
Conc: 121.70 ppb m



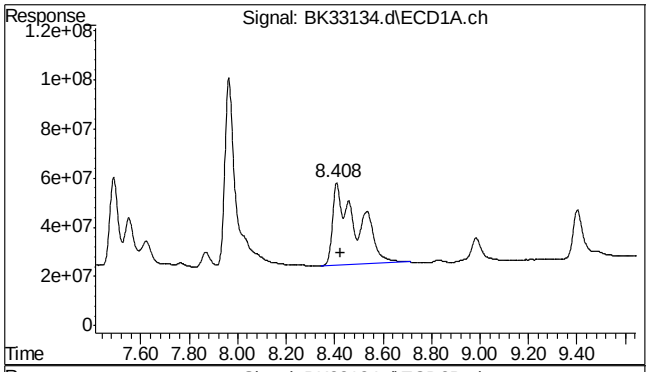
#10 AR1260-D

R.T.: 7.963 min
Delta R.T.: -0.016 min
Response: 2066684770
Conc: 85.90 ppb m



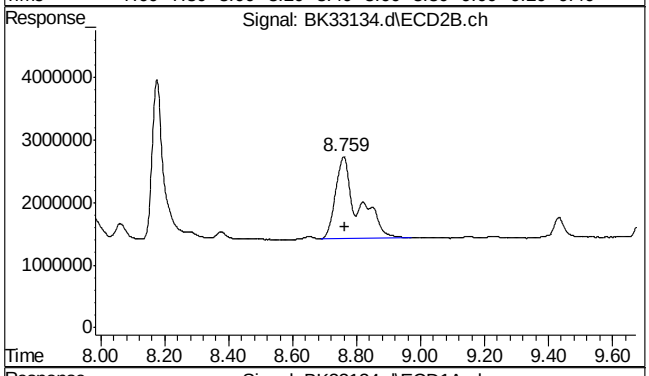
#10 AR1260-D

R.T.: 8.175 min
Delta R.T.: -0.006 min
Response: 61655837
Conc: 111.22 ppb m



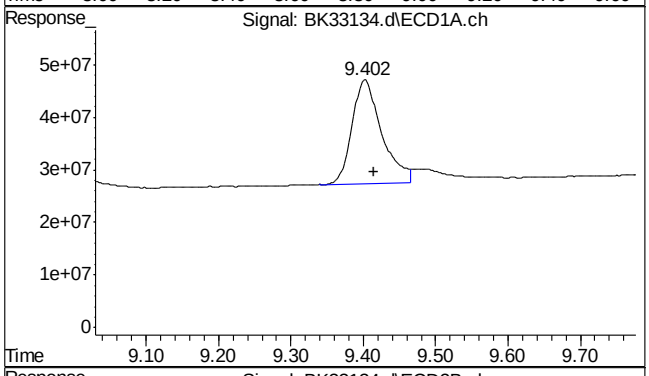
#11 AR1260-E

R.T.: 8.408 min
Delta R.T.: -0.015 min
Response: 2339928021
Conc: 95.80 ppb m



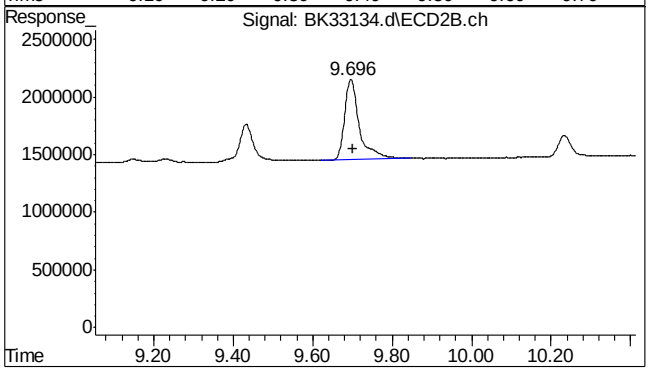
#11 AR1260-E

R.T.: 8.759 min
Delta R.T.: -0.004 min
Response: 64088879
Conc: 120.30 ppb m



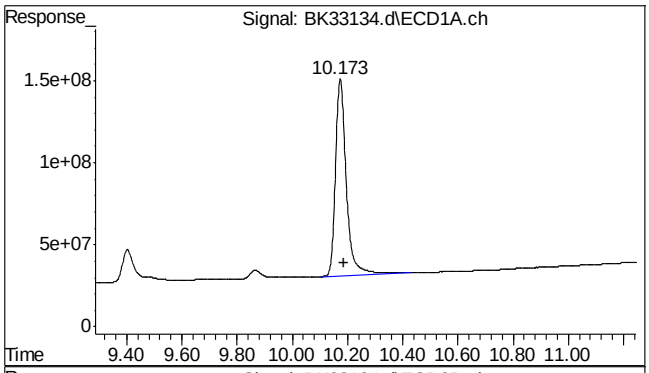
#12 AR1260-F

R.T.: 9.402 min
Delta R.T.: -0.012 min
Response: 562531760
Conc: 89.62 m



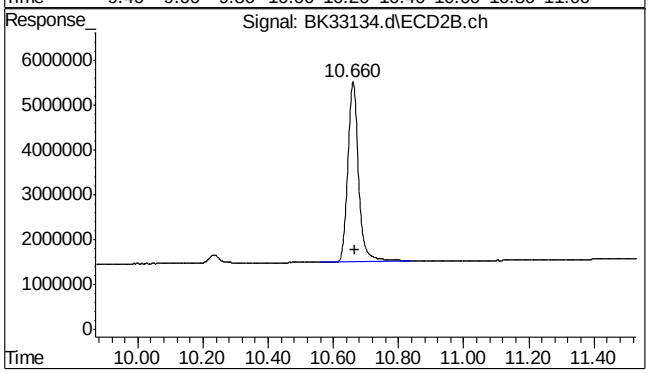
#12 AR1260-F

R.T.: 9.696 min
Delta R.T.: -0.004 min
Response: 17942270
Conc: 120.33



#13 DCB

R.T.: 10.173 min
Delta R.T.: -0.013 min
Response: 3279876958
Conc: 16.16 ppb m



#13 DCB

R.T.: 10.661 min
Delta R.T.: -0.005 min
Response: 91293163
Conc: 19.81 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
12/16/13 16:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33135.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 9:57 am
Operator : andrip
Sample : ic1090-50,a16/60
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 14:10:01 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.806	2.703	1499.1E6	43575203	7.236m	8.330m
	Spiked Amount 40.000			Recovery =		18.09%	20.82%
13) s	DCB	10.174	10.661	1684.1E6	47076565	8.299m	10.214
	Spiked Amount 40.000			Recovery =		20.75%	25.54%
	Target Compounds						
2)	AR1016-A	3.129	3.133	156.9E6	4831886	37.826m	51.249m#
3)	AR1016-B	3.475	3.520	388.0E6	11239974	48.099	56.277
4)	AR1016-C	3.961	3.997	580.9E6	19784429	34.449m	48.333m#
5)	AR1016-D	4.108f	4.145	390.1E6	7262759	34.716m	44.662m#
6)	AR1016-E	4.573f	4.688	311.5E6	9459515	43.161m	50.977m
7)	AR1260-A	6.148	6.363	503.2E6	14721039	47.084m	58.481m
8)	AR1260-B	6.541	6.659	897.3E6	17120841	45.319m	56.610m
9)	AR1260-C	7.116f	7.330	1536.4E6	44518066	45.521m	59.581m#
10)	AR1260-D	7.963	8.175	951.1E6	30248880	39.534m	54.567m#
11)	AR1260-E	8.408	8.760	1149.1E6	31252569	47.046m	58.665m
12)	AR1260-F	9.401	9.697	262.6E6	8581355	41.830m	57.550 #

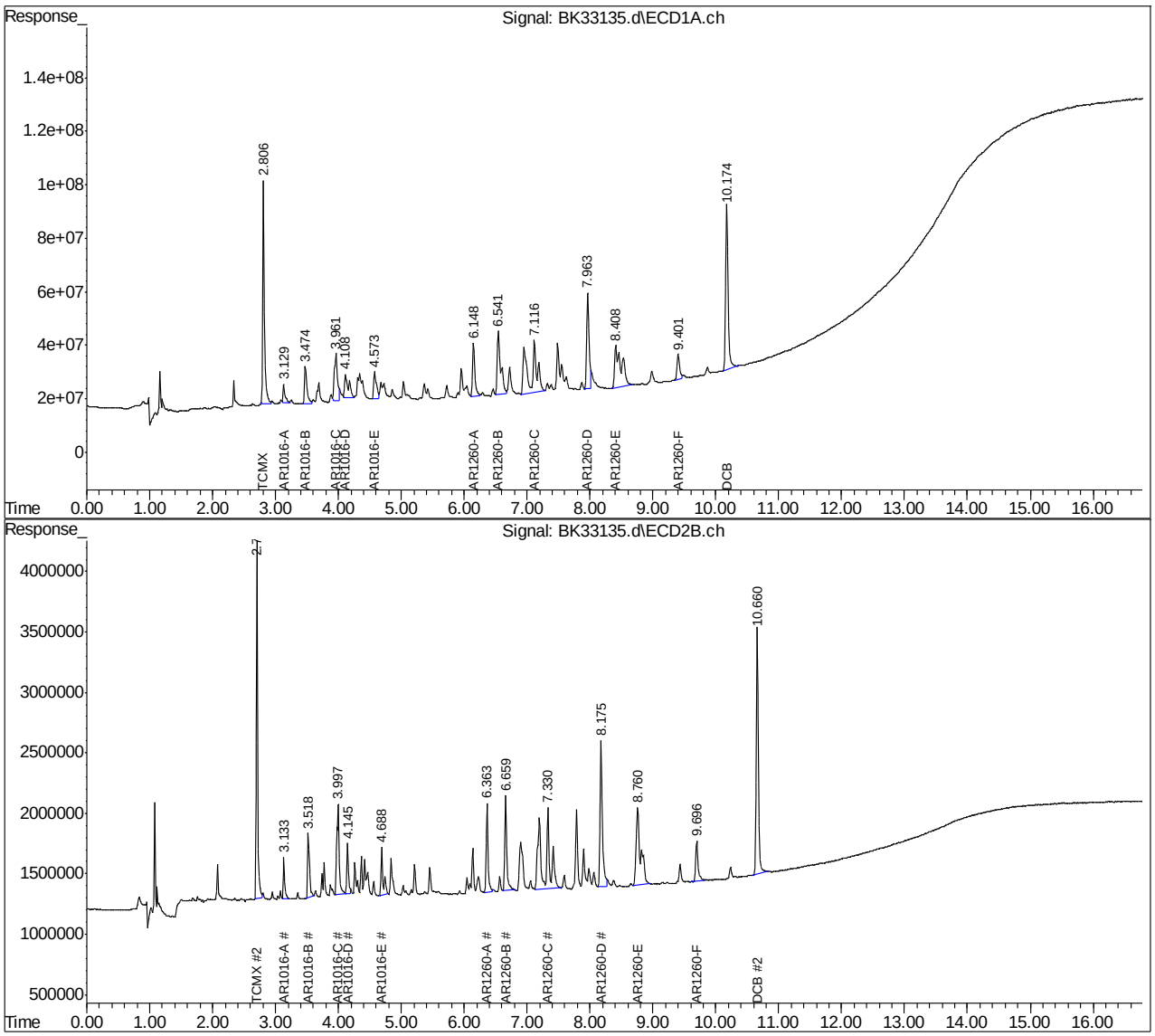
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

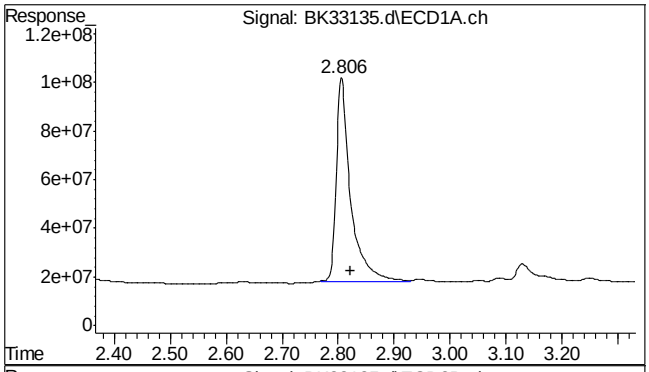
Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33135.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 9:57 am
Operator : andrip
Sample : ic1090-50,a16/60
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 14:10:01 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

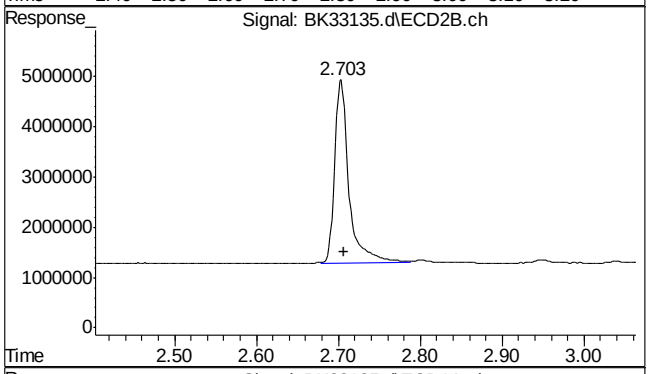


PC131216.M Mon Dec 16 16:05:59 2013 Page: 2



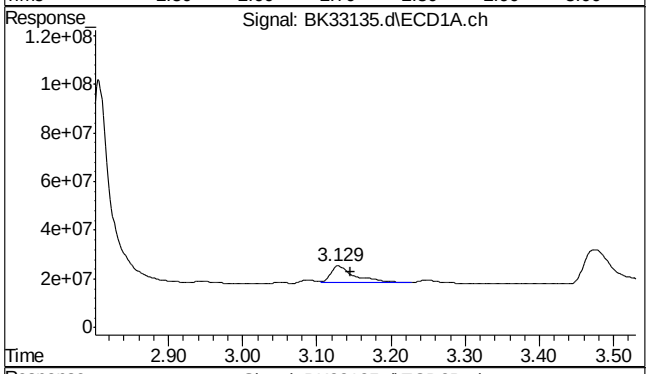
#1 TCMX

R.T.: 2.806 min
Delta R.T.: -0.016 min
Response: 1499067874
Conc: 7.24 ppb m



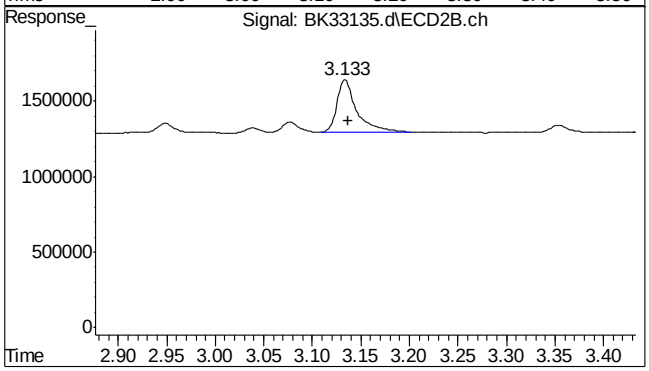
#1 TCMX

R.T.: 2.703 min
Delta R.T.: -0.003 min
Response: 43575203
Conc: 8.33 ppb m



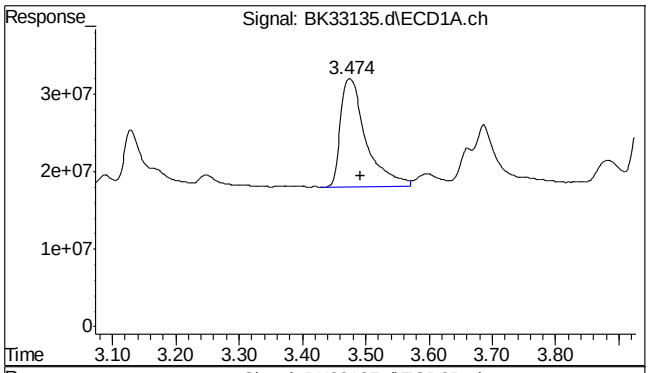
#2 AR1016-A

R.T.: 3.129 min
Delta R.T.: -0.016 min
Response: 156930159
Conc: 37.83 ppb m



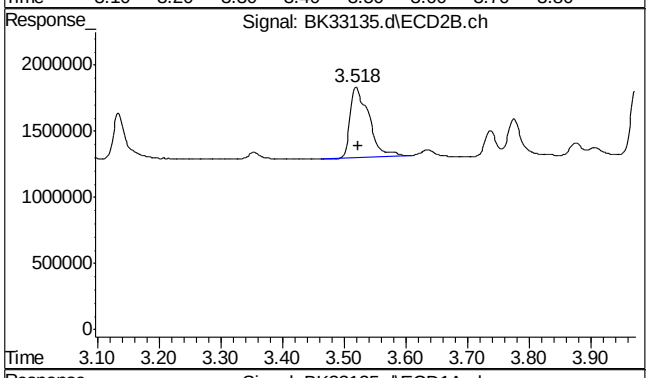
#2 AR1016-A

R.T.: 3.133 min
Delta R.T.: -0.003 min
Response: 4831886
Conc: 51.25 ppb m



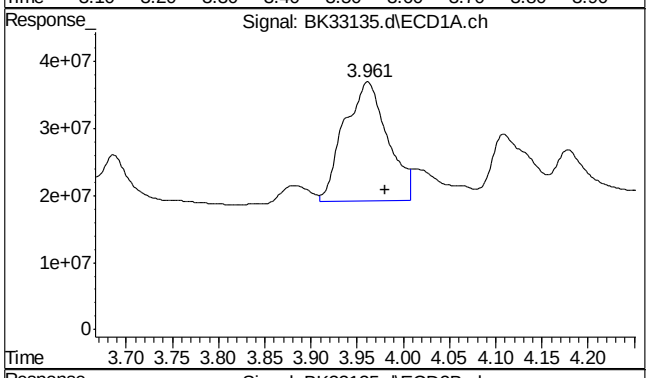
#3 AR1016-B

R.T.: 3.475 min
Delta R.T.: -0.016 min
Response: 387973278
Conc: 48.10 ppb



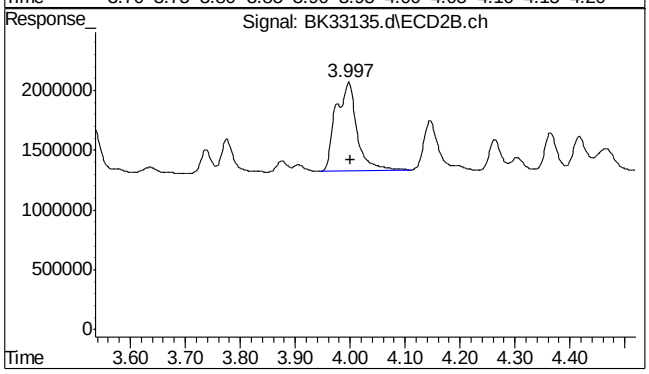
#3 AR1016-B

R.T.: 3.520 min
Delta R.T.: -0.003 min
Response: 11239974
Conc: 56.28 ppb



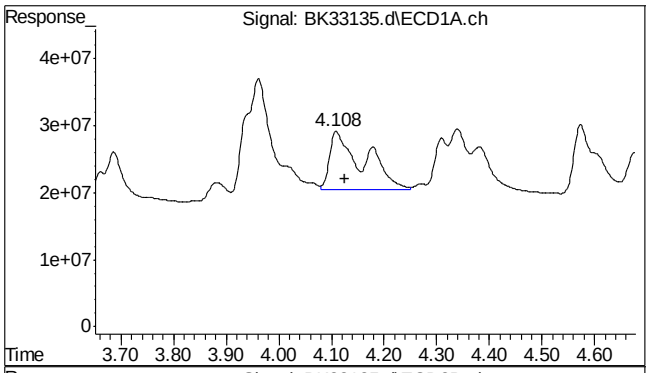
#4 AR1016-C

R.T.: 3.961 min
Delta R.T.: -0.019 min
Response: 580895352
Conc: 34.45 ppb m



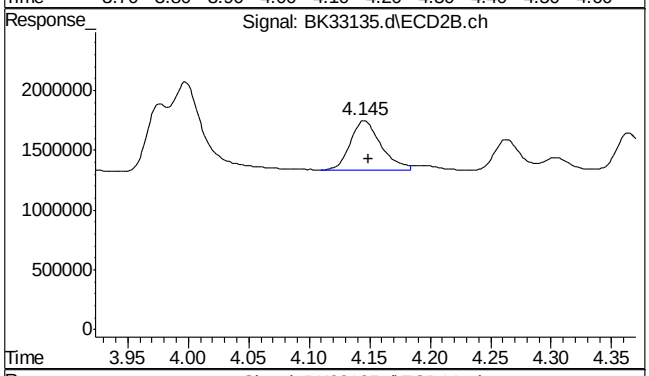
#4 AR1016-C

R.T.: 3.997 min
Delta R.T.: -0.004 min
Response: 19784429
Conc: 48.33 ppb m



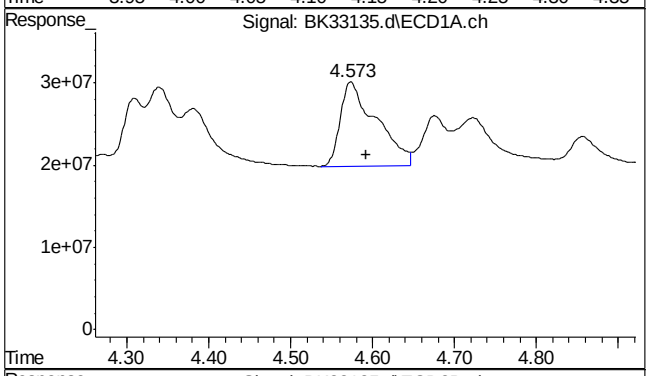
#5 AR1016-D

R.T.: 4.108 min
Delta R.T.: -0.018 min
Response: 390056870
Conc: 34.72 m



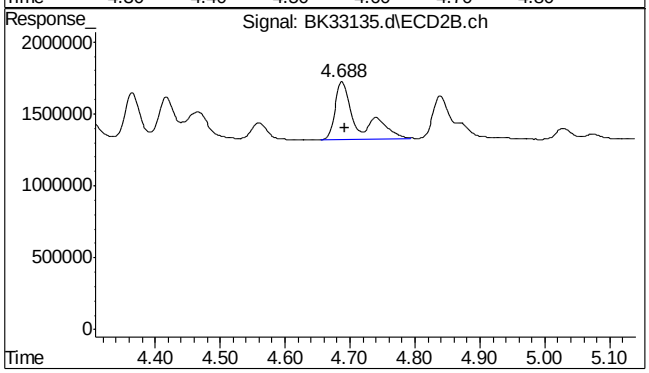
#5 AR1016-D

R.T.: 4.145 min
Delta R.T.: -0.005 min
Response: 7262759
Conc: 44.66 m



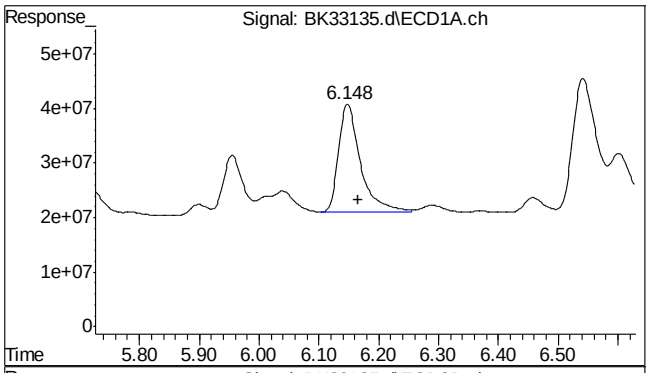
#6 AR1016-E

R.T.: 4.573 min
Delta R.T.: -0.020 min
Response: 311484617
Conc: 43.16 m



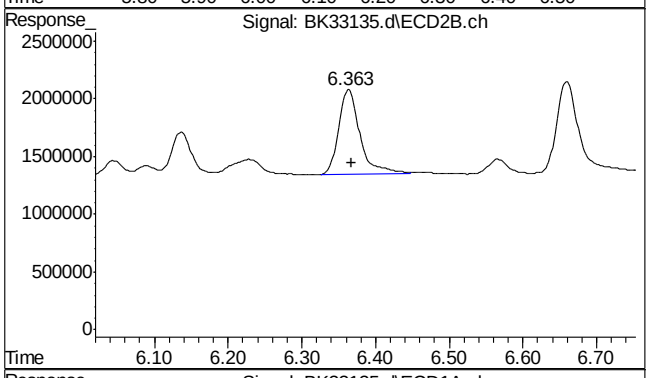
#6 AR1016-E

R.T.: 4.688 min
Delta R.T.: -0.004 min
Response: 9459515
Conc: 50.98 m



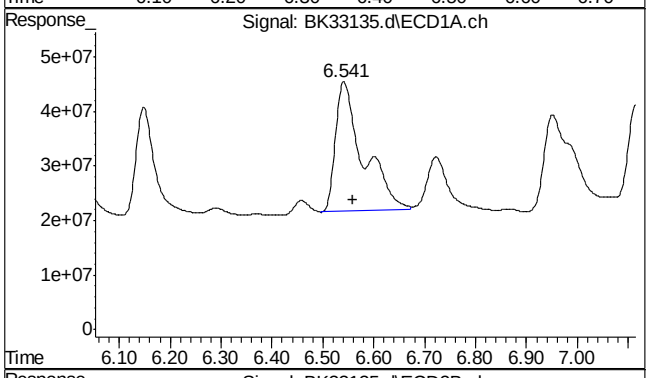
#7 AR1260-A

R.T.: 6.148 min
Delta R.T.: -0.018 min
Response: 503199731
Conc: 47.08 ppb m



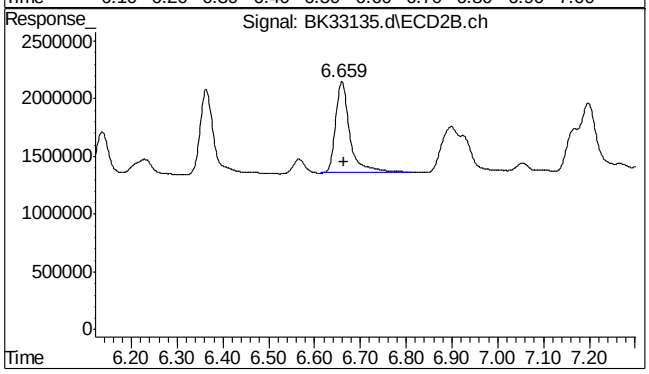
#7 AR1260-A

R.T.: 6.363 min
Delta R.T.: -0.005 min
Response: 14721039
Conc: 58.48 ppb m



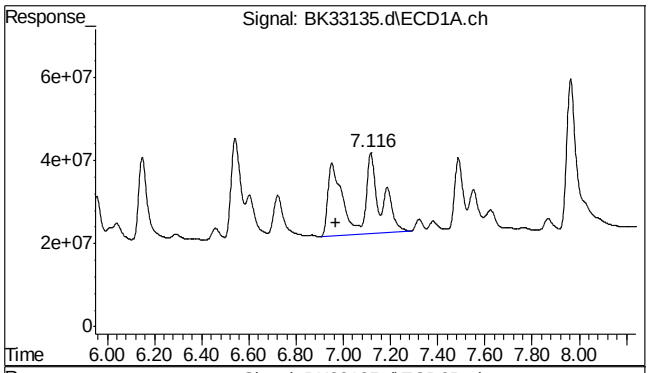
#8 AR1260-B

R.T.: 6.541 min
Delta R.T.: -0.018 min
Response: 897254850
Conc: 45.32 ppb m



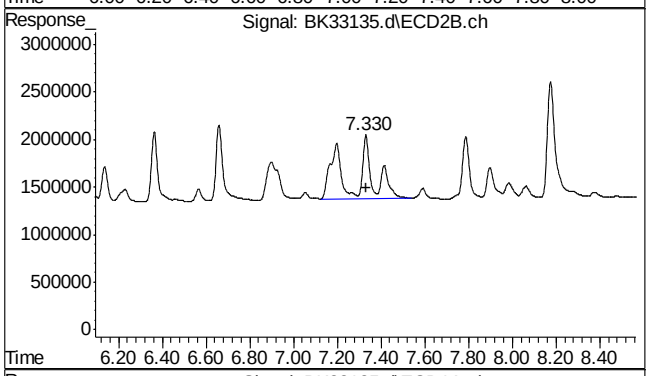
#8 AR1260-B

R.T.: 6.659 min
Delta R.T.: -0.005 min
Response: 17120841
Conc: 56.61 ppb m



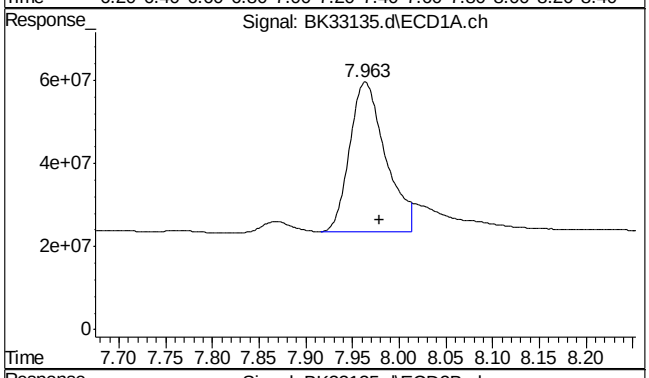
#9 AR1260-C

R.T.: 7.116 min
Delta R.T.: 0.148 min
Response: 1536361674
Conc: 45.52 ppb m



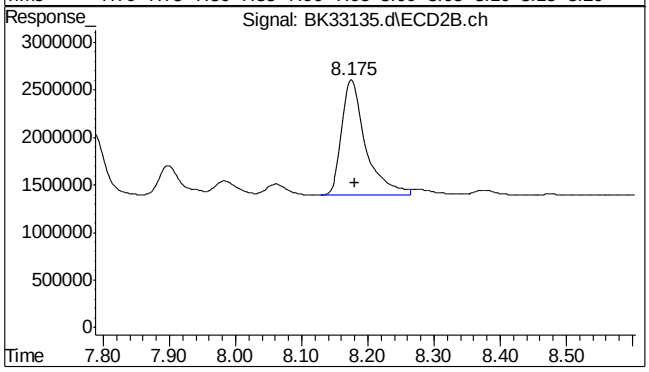
#9 AR1260-C

R.T.: 7.330 min
Delta R.T.: -0.004 min
Response: 44518066
Conc: 59.58 ppb m



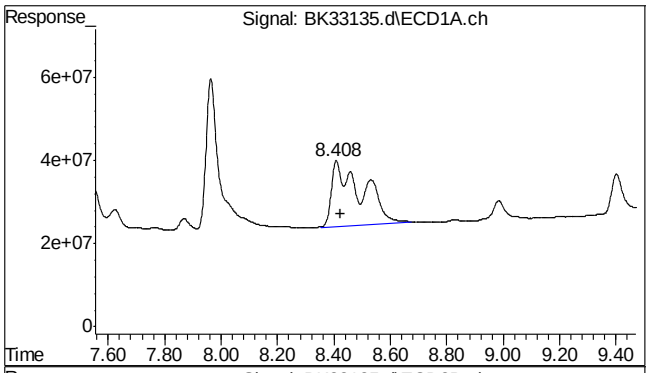
#10 AR1260-D

R.T.: 7.963 min
Delta R.T.: -0.016 min
Response: 951104508
Conc: 39.53 ppb m



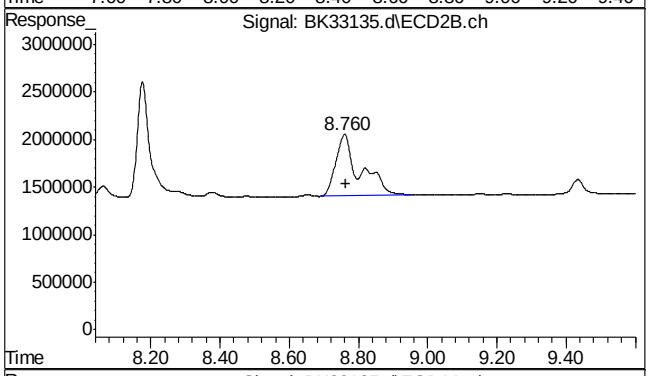
#10 AR1260-D

R.T.: 8.175 min
Delta R.T.: -0.005 min
Response: 30248880
Conc: 54.57 ppb m



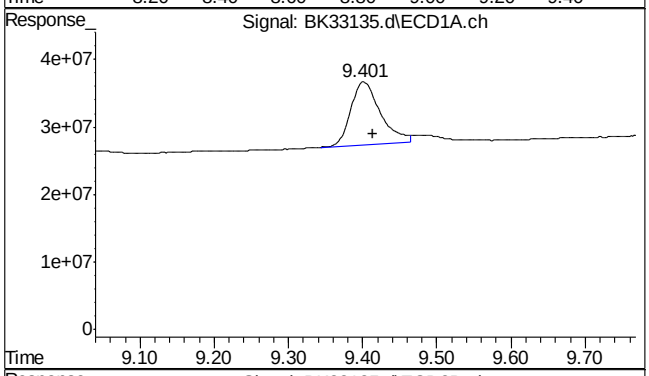
#11 AR1260-E

R.T.: 8.408 min
Delta R.T.: -0.015 min
Response: 1149065224
Conc: 47.05 ppb m



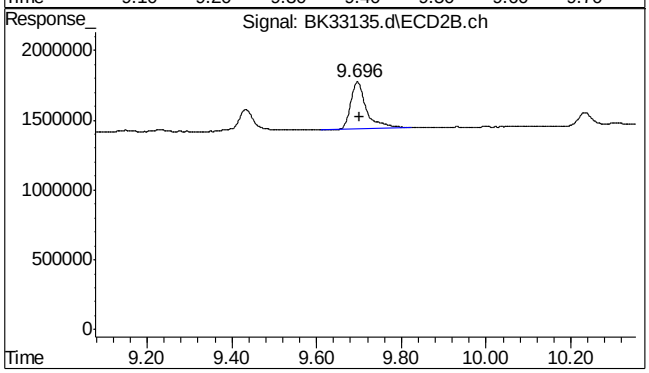
#11 AR1260-E

R.T.: 8.760 min
Delta R.T.: -0.004 min
Response: 31252569
Conc: 58.67 ppb m



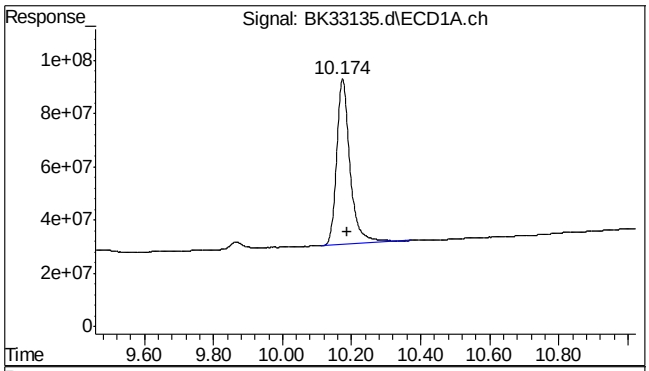
#12 AR1260-F

R.T.: 9.401 min
Delta R.T.: -0.013 min
Response: 262563482
Conc: 41.83 m



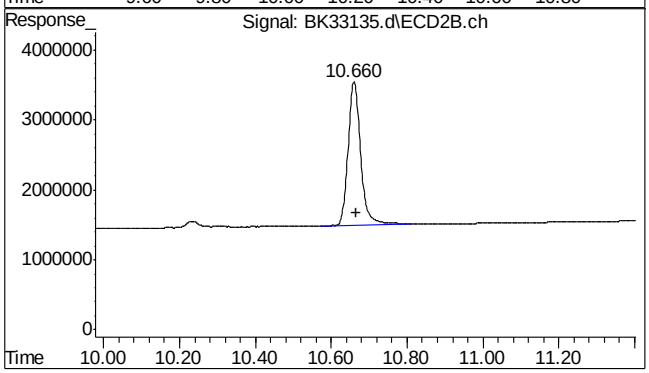
#12 AR1260-F

R.T.: 9.697 min
Delta R.T.: -0.003 min
Response: 8581355
Conc: 57.55



#13 DCB

R.T.: 10.174 min
Delta R.T.: -0.012 min
Response: 1684061628
Conc: 8.30 ppb m



#13 DCB

R.T.: 10.661 min
Delta R.T.: -0.004 min
Response: 47076565
Conc: 10.21 ppb

BK33136.D

Manual Integrations APPROVED (compounds with "m" flag)

Andri Piluri 12/16/13 16:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33136.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 10:16 am
Operator : andrip
Sample : ic1090-500,a21/54
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 13:45:59 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.806	2.703	9295.1E6	291.6E6	44.864m	55.741m
	Spiked Amount 40.000			Recovery	= 112.16%	139.35%	
13) s	DCB	10.174	10.660	8928.8E6	256.8E6	44.000	55.716 #
	Spiked Amount 40.000			Recovery	= 110.00%	139.29%	
	Target Compounds						
14)	AR1221-A	2.339	2.325	829.7E6	17872976	519.378m	500.353m
15)	AR1221-B	2.950	2.948	824.9E6	25126807	424.051m	501.602m
16)	AR1221-C	3.128	3.133	2177.8E6	60694104	404.447m	485.173m
32)	AR1254-A	5.034f	5.211	6084.8E6	140.9E6	413.719m	496.813m
33)	AR1254-B	5.362f	5.453	7841.8E6	214.3E6	405.649m	535.805m#
34)	AR1254-C	5.898f	6.088	11314.4E6	338.7E6	382.890m	507.787m#
35)	AR1254-D	6.285f	6.406	2962.9E6	177.6E6	309.730m	467.340m#
36)	AR1254-E	6.952f	7.198	5226.3E6	153.6E6	365.324m	477.440m#

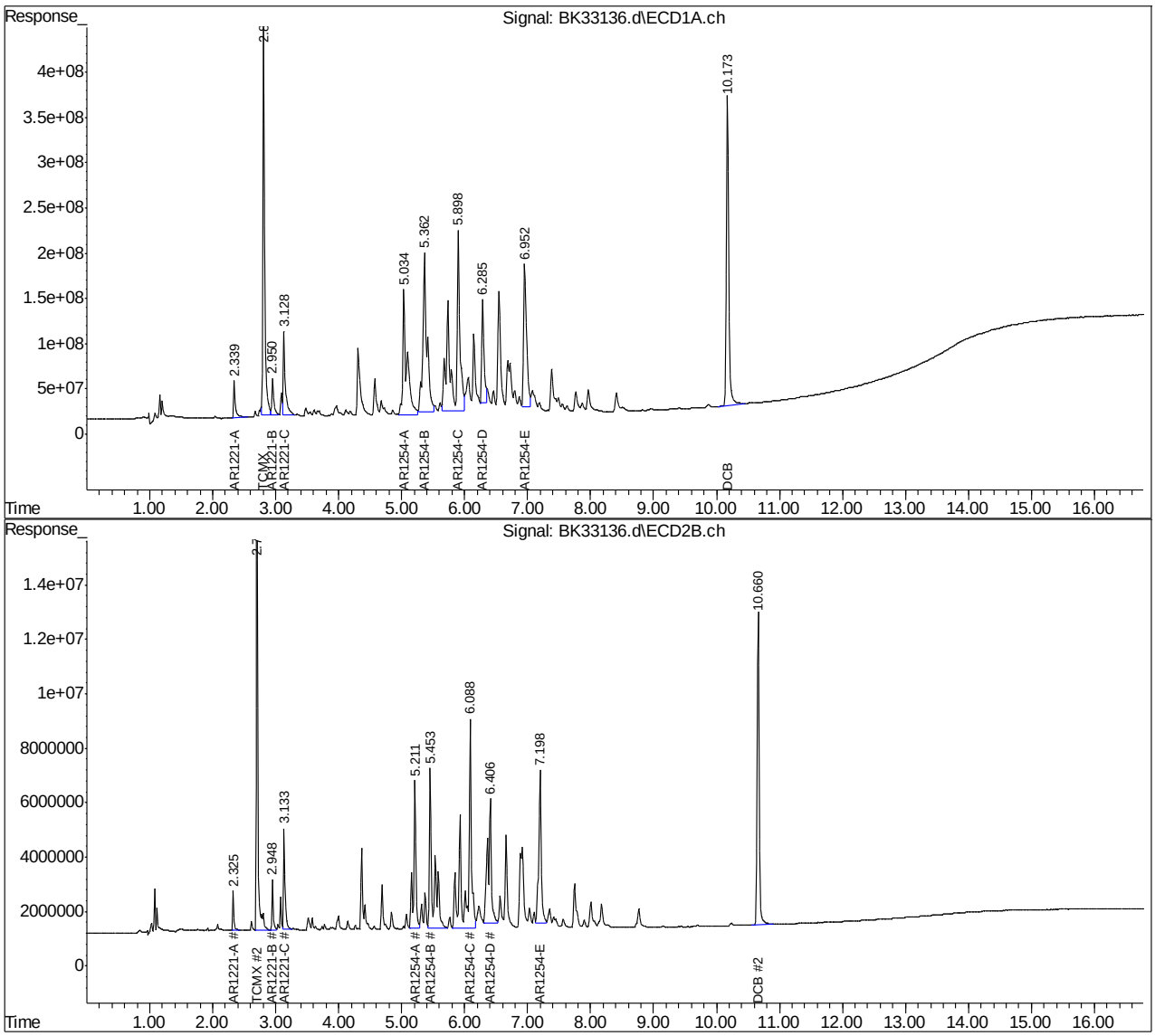
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

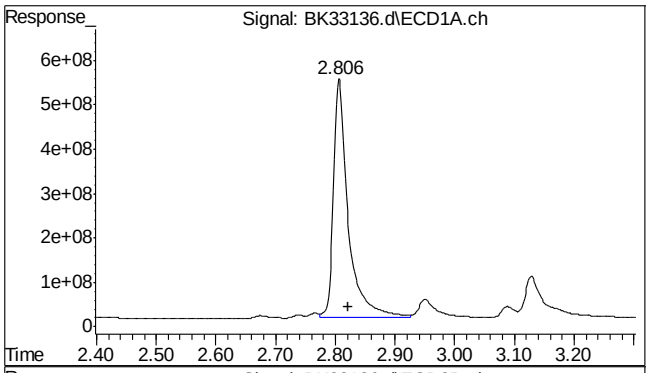
Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33136.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 10:16 am
Operator : andrip
Sample : ic1090-500,a21/54
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 13:45:59 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

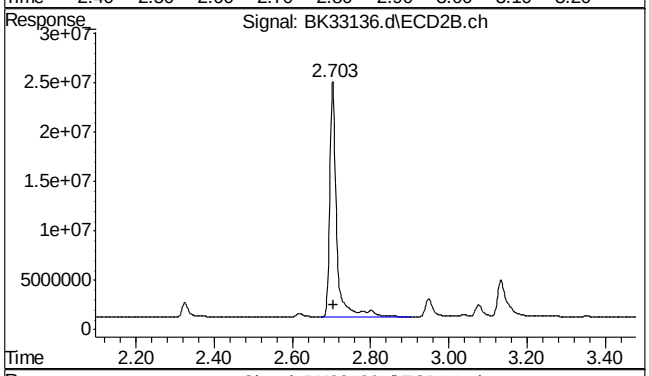


ACCUTEST LABORATORIES MC27081



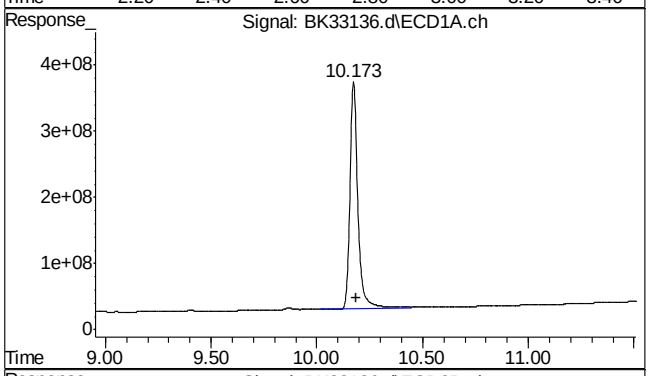
#1 TCMX

R.T.: 2.806 min
Delta R.T.: -0.016 min
Response: 9295089863
Conc: 44.86 ppb m



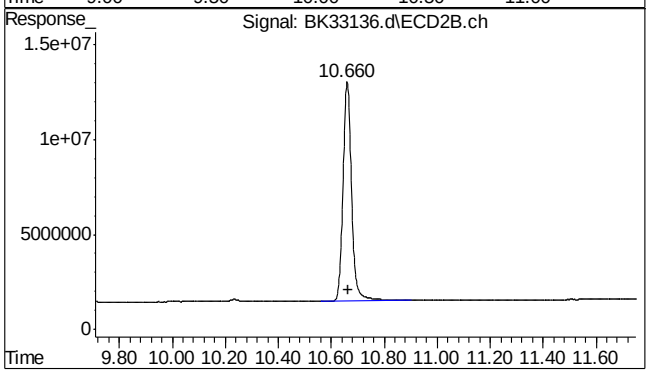
#1 TCMX

R.T.: 2.703 min
Delta R.T.: -0.003 min
Response: 291602344
Conc: 55.74 ppb m



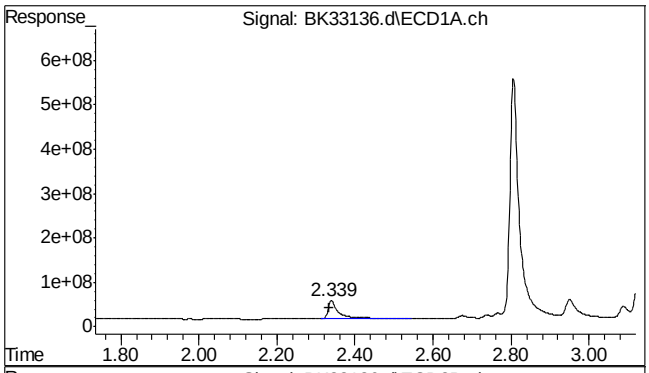
#13 DCB

R.T.: 10.174 min
Delta R.T.: -0.012 min
Response: 8928805529
Conc: 44.00 ppb



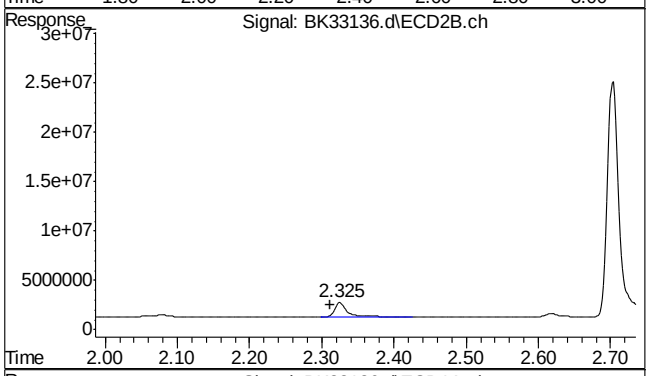
#13 DCB

R.T.: 10.660 min
Delta R.T.: -0.005 min
Response: 256786079
Conc: 55.72 ppb



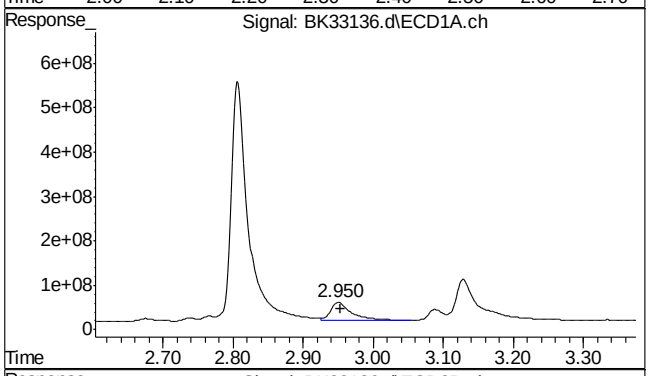
#14 AR1221-A

R.T.: 2.339 min
Delta R.T.: 0.006 min
Response: 829748472
Conc: 519.38 ppb m



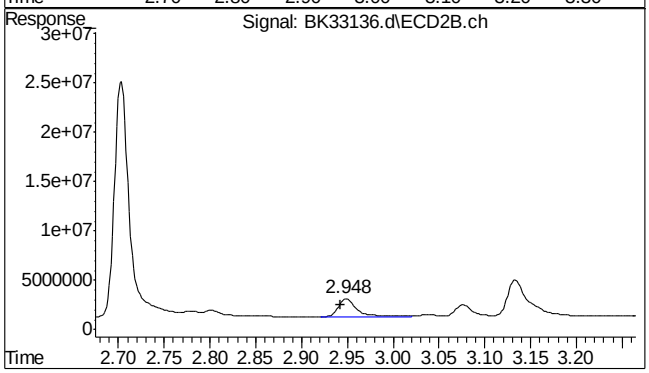
#14 AR1221-A

R.T.: 2.325 min
Delta R.T.: 0.013 min
Response: 17872976
Conc: 500.35 ppb m



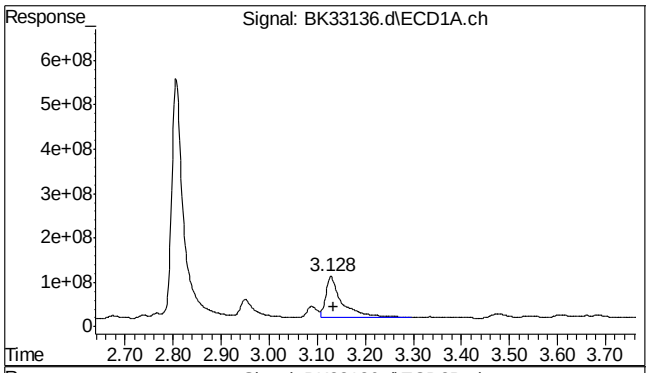
#15 AR1221-B

R.T.: 2.950 min
Delta R.T.: -0.003 min
Response: 824934574
Conc: 424.05 ppb m



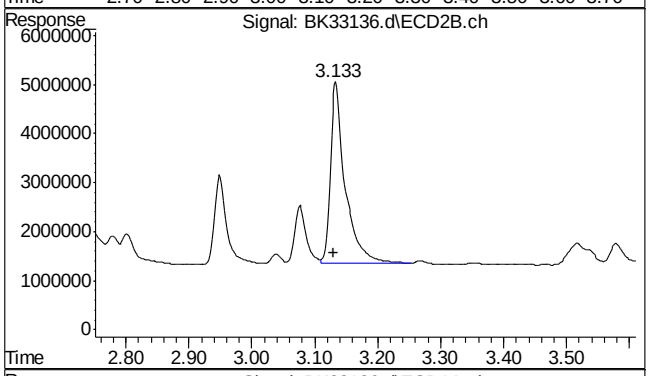
#15 AR1221-B

R.T.: 2.948 min
Delta R.T.: 0.005 min
Response: 25126807
Conc: 501.60 ppb m



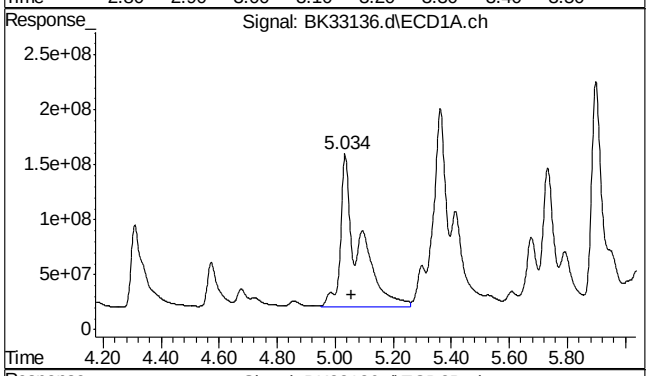
#16 AR1221-C

R.T.: 3.128 min
Delta R.T.: -0.006 min
Response: 2177841403
Conc: 404.45 ppb m



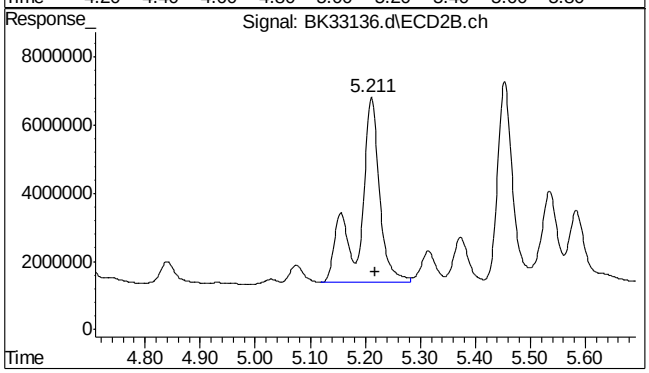
#16 AR1221-C

R.T.: 3.133 min
Delta R.T.: 0.004 min
Response: 60694104
Conc: 485.17 ppb m



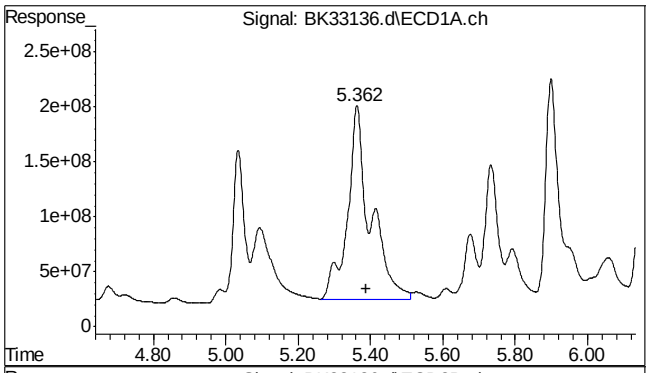
#32 AR1254-A

R.T.: 5.034 min
Delta R.T.: -0.025 min
Response: 6084793594
Conc: 413.72 ppb m



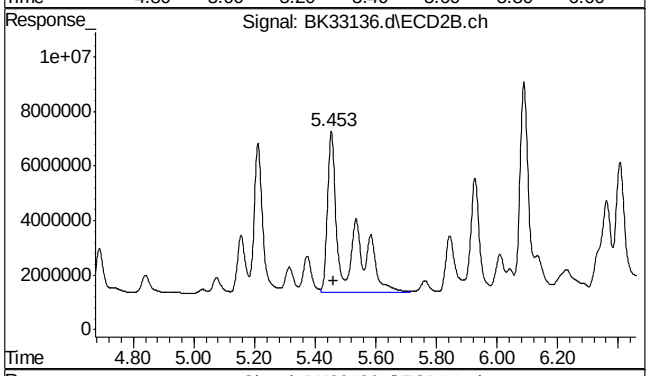
#32 AR1254-A

R.T.: 5.211 min
Delta R.T.: -0.007 min
Response: 140894311
Conc: 496.81 ppb m



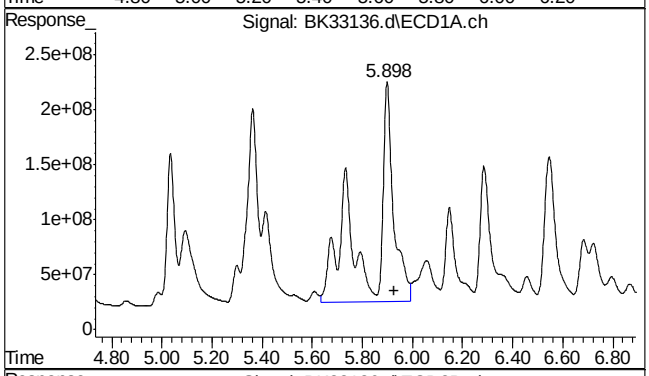
#33 AR1254-B

R.T.: 5.362 min
Delta R.T.: -0.026 min
Response: 7841804475
Conc: 405.65 ppb m



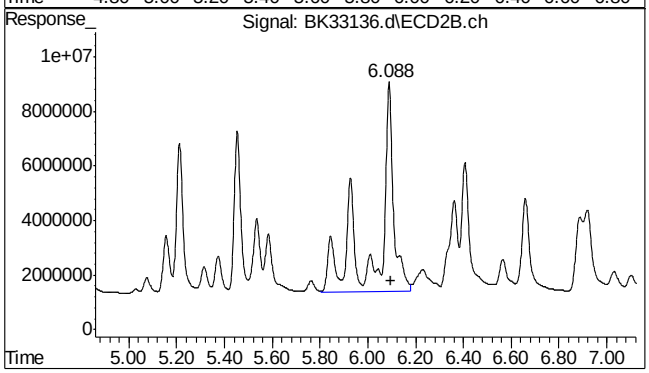
#33 AR1254-B

R.T.: 5.453 min
Delta R.T.: -0.008 min
Response: 214257771
Conc: 535.80 ppb m



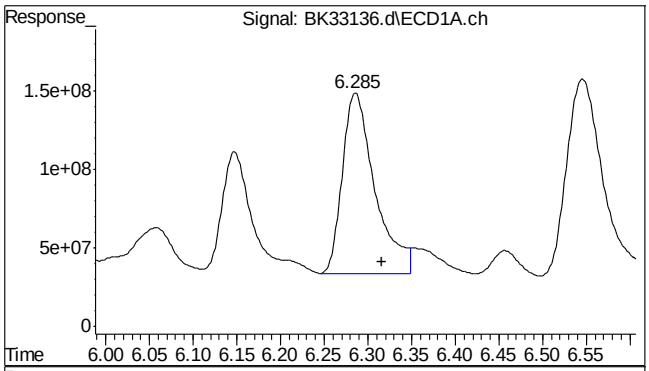
#34 AR1254-C

R.T.: 5.898 min
Delta R.T.: -0.030 min
Response: 11314369159
Conc: 382.89 ppb m



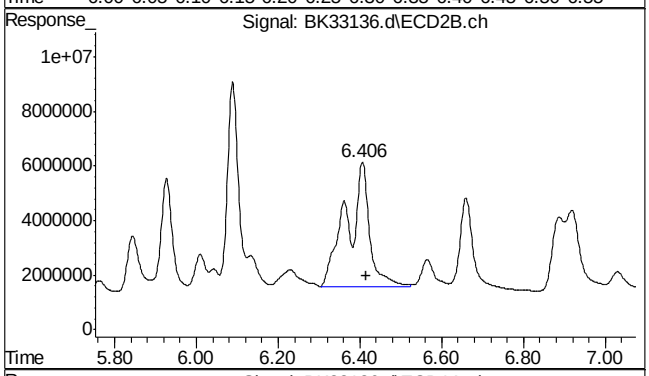
#34 AR1254-C

R.T.: 6.088 min
Delta R.T.: -0.009 min
Response: 338700257
Conc: 507.79 ppb m



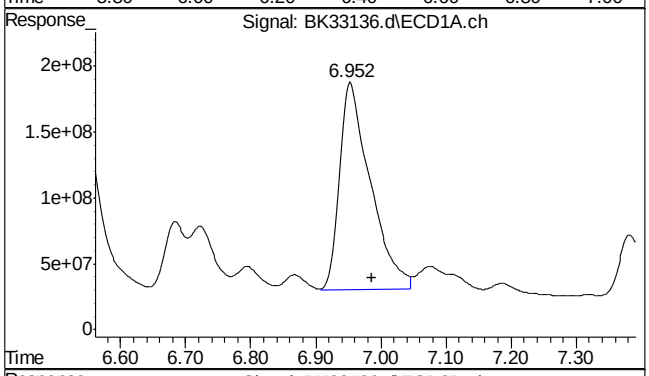
#35 AR1254-D

R.T.: 6.285 min
Delta R.T.: -0.032 min
Response: 2962920438
Conc: 309.73 ppb m



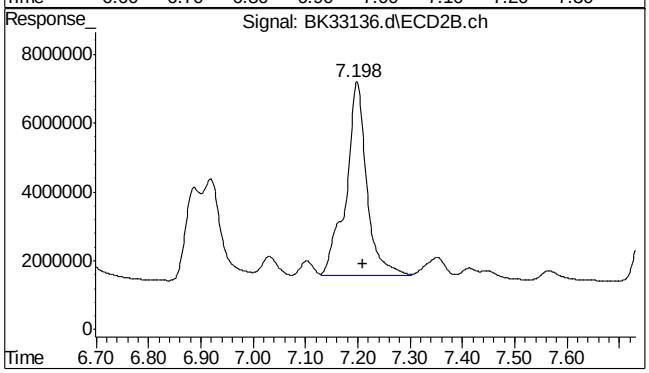
#35 AR1254-D

R.T.: 6.406 min
Delta R.T.: -0.010 min
Response: 177633049
Conc: 467.34 ppb m



#36 AR1254-E

R.T.: 6.952 min
Delta R.T.: -0.034 min
Response: 5226251778
Conc: 365.32 ppb m



#36 AR1254-E

R.T.: 7.198 min
Delta R.T.: -0.011 min
Response: 153628252
Conc: 477.44 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
12/16/13 16:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33137.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 10:35 am
Operator : andrip
Sample : ic1090-500,a32/62
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 13:48:18 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.807	2.704	10536.8E6	311.4E6	50.858m	59.517
	Spiked Amount 40.000			Recovery =	127.15%	148.79%	
13) s	DCB	10.174	10.660	9498.3E6	274.9E6	46.807	59.638 #
	Spiked Amount 40.000			Recovery =	117.02%	149.10%	
	Target Compounds						
17)	AR1232-A	3.129	3.135	1715.2E6	52187765	443.302m	526.873
18)	AR1232-B	3.474	3.520	1736.7E6	50049170	456.711m	572.358 #
19)	AR1232-C	3.962	3.997	2723.5E6	91387151	356.130m	497.687m#
20)	AR1232-D	4.338f	4.364	2036.9E6	60250909	467.198m	564.553m
21)	AR1232-E	5.126f	5.214	2726.8E6	93934610	382.243m	509.681m#
37)	AR1262-A	6.148f	6.363f	3758.4E6	117.8E6	447.594m	587.960m#
38)	AR1262-B	6.540f	6.660	7229.1E6	127.7E6	441.955m	575.400 #
39)	AR1262-C	7.115f	7.330	14150.8E6	401.8E6	432.136m	570.220m#
40)	AR1262-D	8.459f	8.749	15255.8E6	407.5E6	443.286m	570.129m#
41)	AR1262-E	9.400f	9.695f	4427.2E6	127.3E6	451.965m	556.196

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

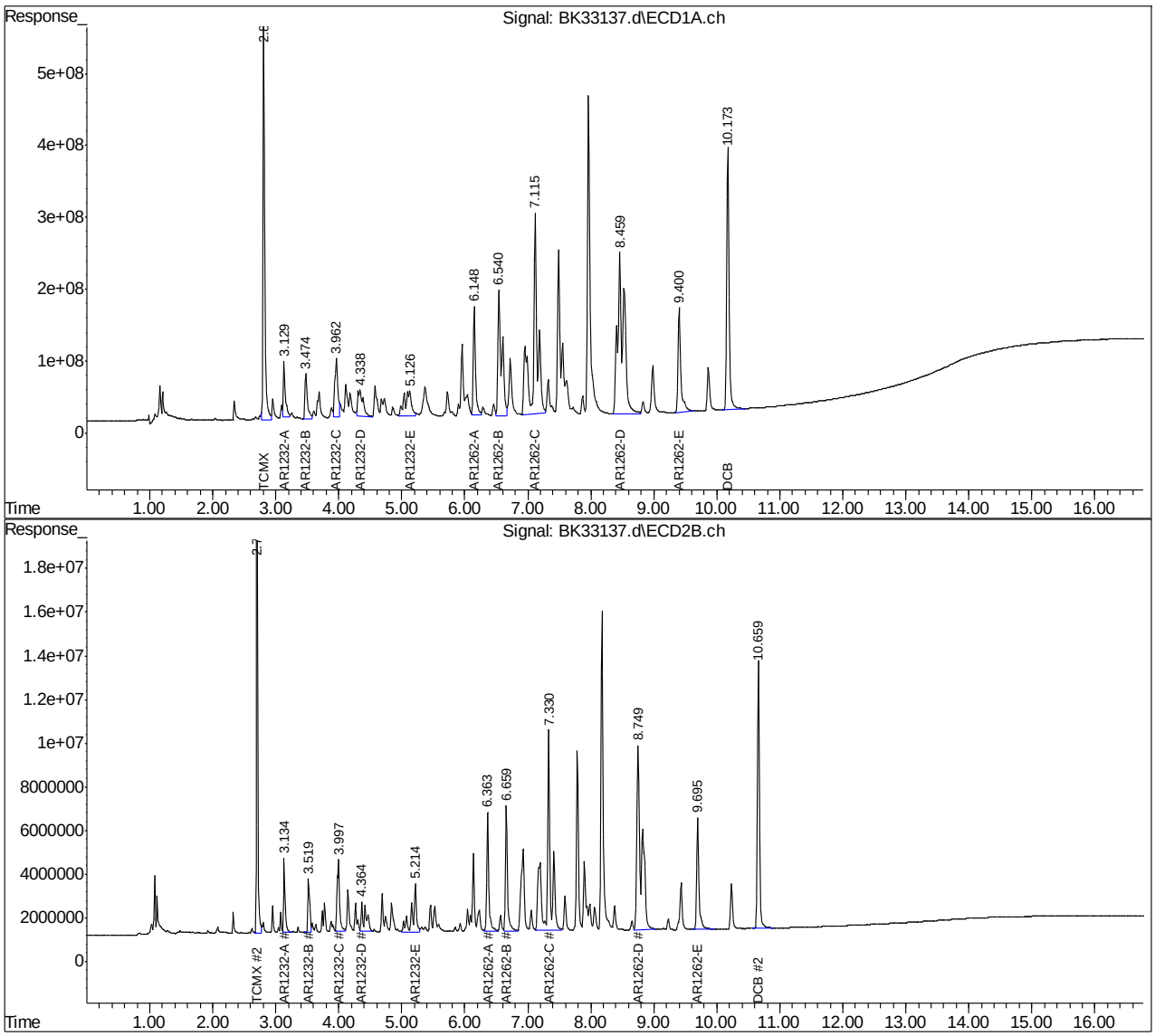
9.5.8
9

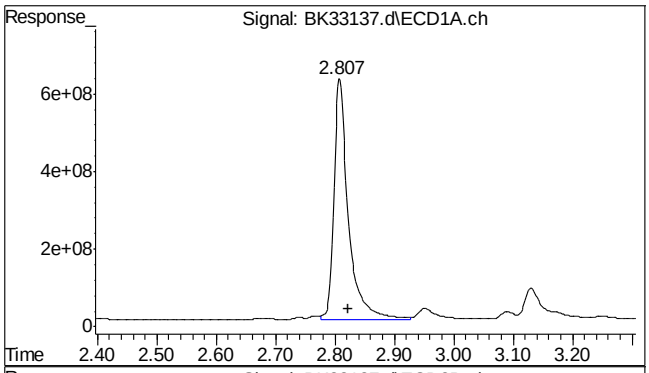
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33137.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 10:35 am
Operator : andrip
Sample : ic1090-500,a32/62
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 13:48:18 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

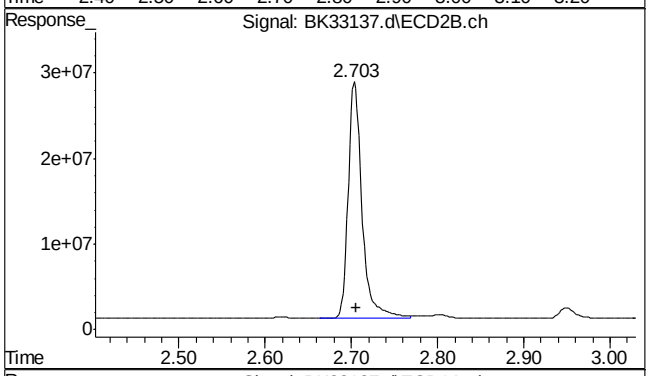
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





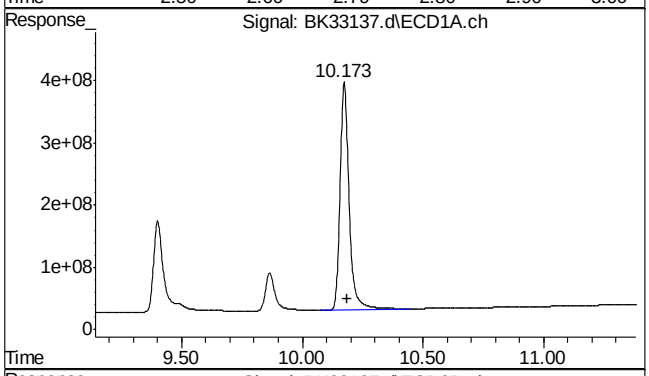
#1 TCMX

R.T.: 2.807 min
Delta R.T.: -0.015 min
Response: 10536813249
Conc: 50.86 ppb m



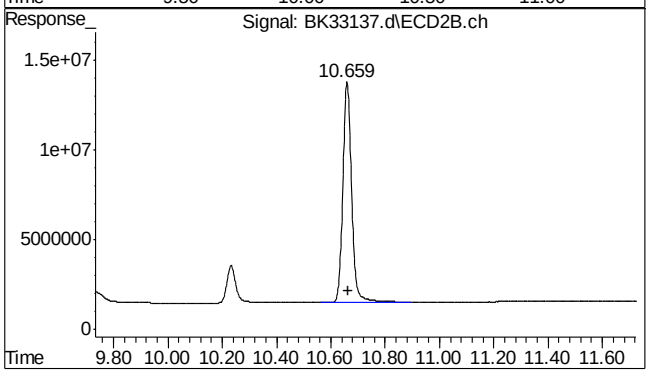
#1 TCMX

R.T.: 2.704 min
Delta R.T.: -0.002 min
Response: 311356601
Conc: 59.52 ppb



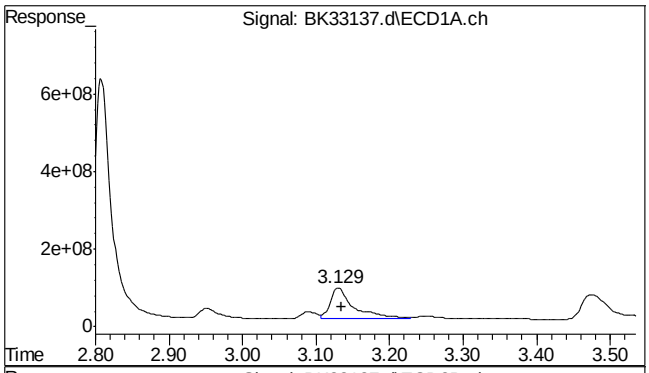
#13 DCB

R.T.: 10.174 min
Delta R.T.: -0.012 min
Response: 9498278555
Conc: 46.81 ppb



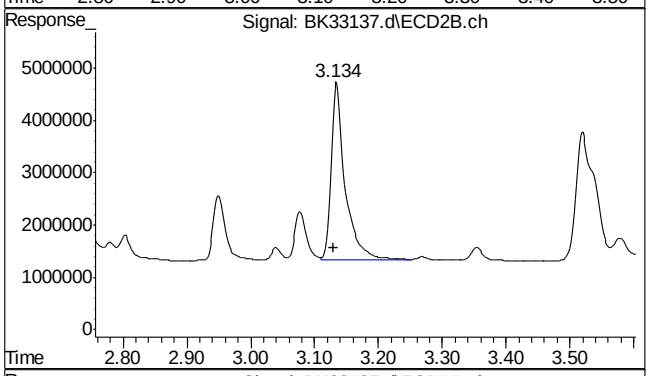
#13 DCB

R.T.: 10.660 min
Delta R.T.: -0.005 min
Response: 274864230
Conc: 59.64 ppb



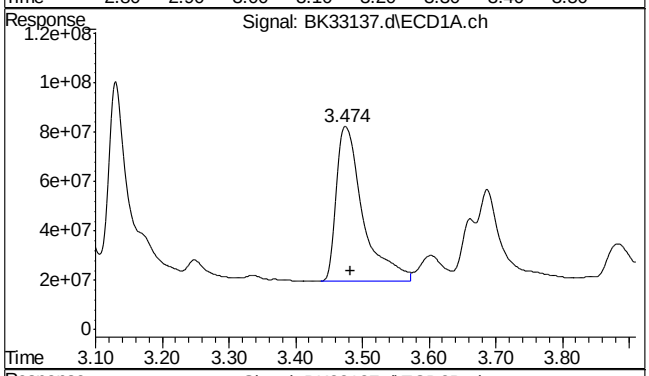
#17 AR1232-A

R.T.: 3.129 min
Delta R.T.: -0.005 min
Response: 1715247603
Conc: 443.30 ppb m



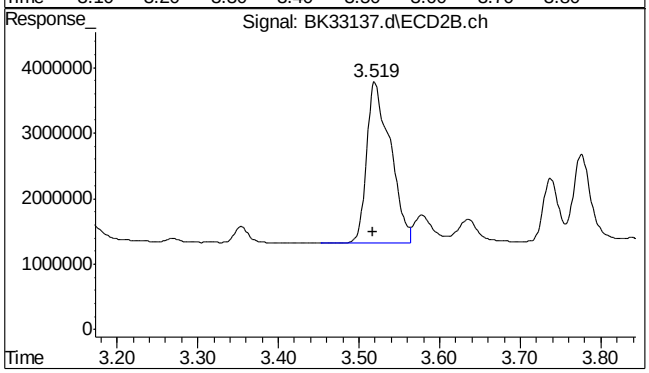
#17 AR1232-A

R.T.: 3.135 min
Delta R.T.: 0.005 min
Response: 52187765
Conc: 526.87 ppb



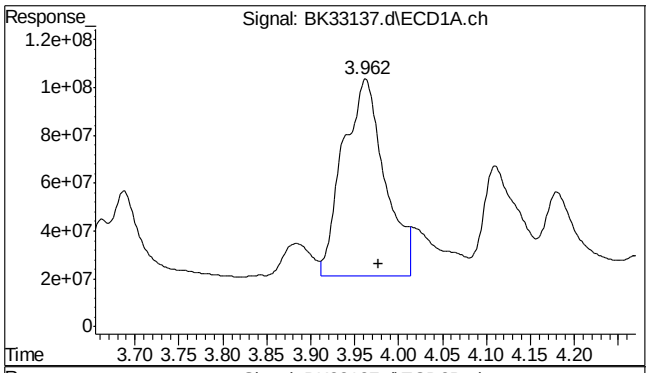
#18 AR1232-B

R.T.: 3.474 min
Delta R.T.: -0.009 min
Response: 1736673708
Conc: 456.71 ppb m



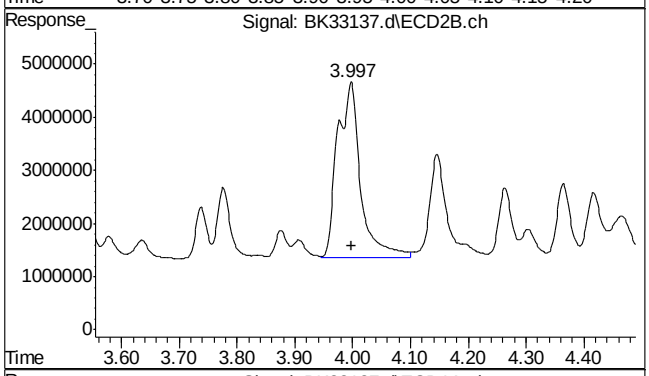
#18 AR1232-B

R.T.: 3.520 min
Delta R.T.: 0.002 min
Response: 50049170
Conc: 572.36 ppb



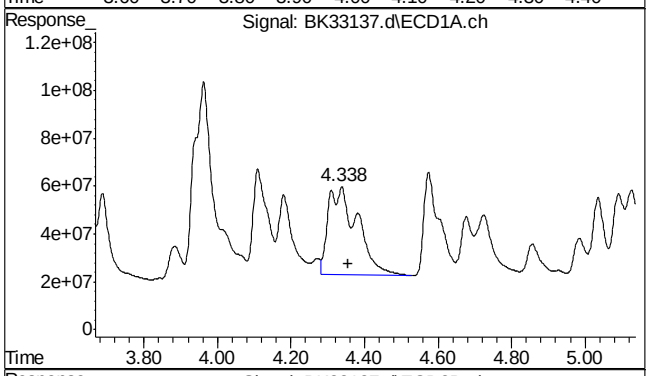
#19 AR1232-C

R.T.: 3.962 min
Delta R.T.: -0.014 min
Response: 2723476194
Conc: 356.13 ppb m



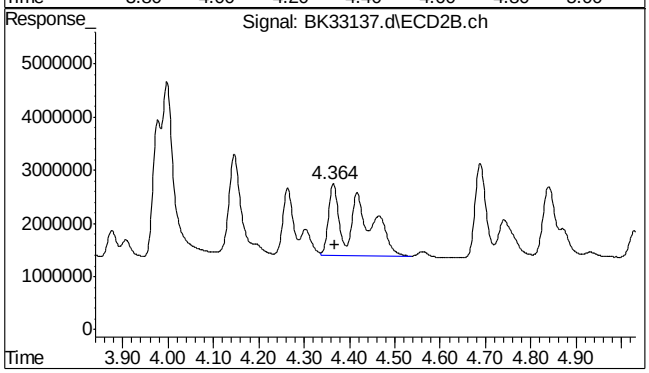
#19 AR1232-C

R.T.: 3.997 min
Delta R.T.: -0.002 min
Response: 91387151
Conc: 497.69 ppb m



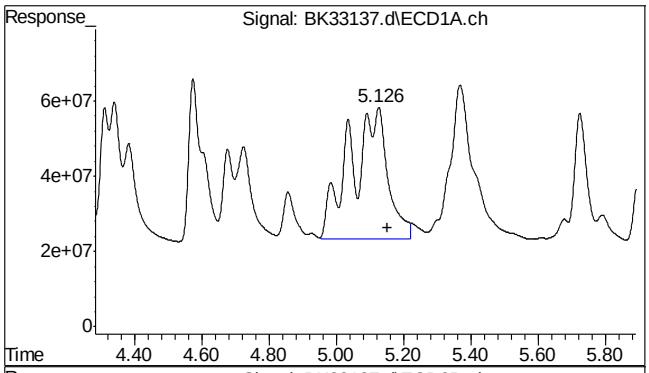
#20 AR1232-D

R.T.: 4.338 min
Delta R.T.: -0.018 min
Response: 2036904886
Conc: 467.20 ppb m



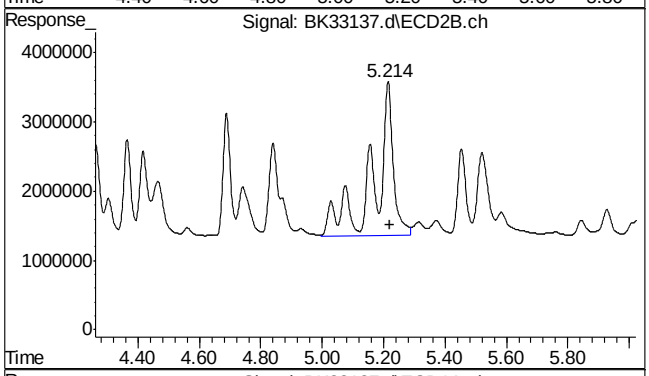
#20 AR1232-D

R.T.: 4.364 min
Delta R.T.: -0.004 min
Response: 60250909
Conc: 564.55 ppb m



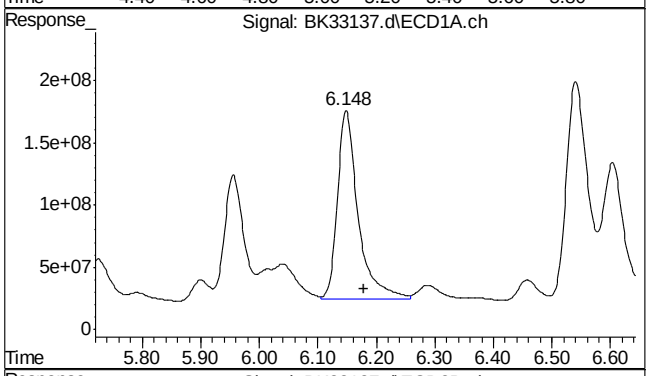
#21 AR1232-E

R.T.: 5.126 min
Delta R.T.: -0.025 min
Response: 2726762679
Conc: 382.24 ppb m



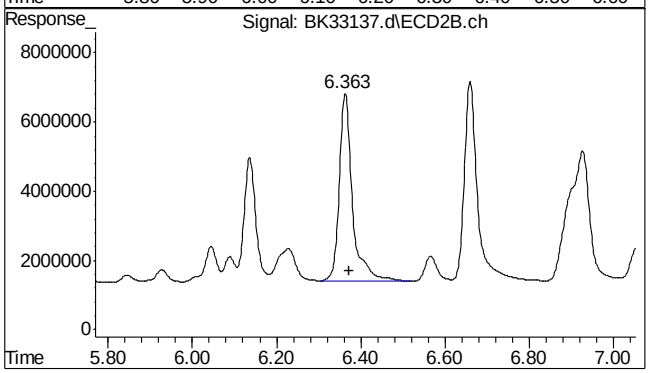
#21 AR1232-E

R.T.: 5.214 min
Delta R.T.: -0.008 min
Response: 93934610
Conc: 509.68 ppb m



#37 AR1262-A

R.T.: 6.148 min
Delta R.T.: -0.031 min
Response: 3758404593
Conc: 447.59 ppb m

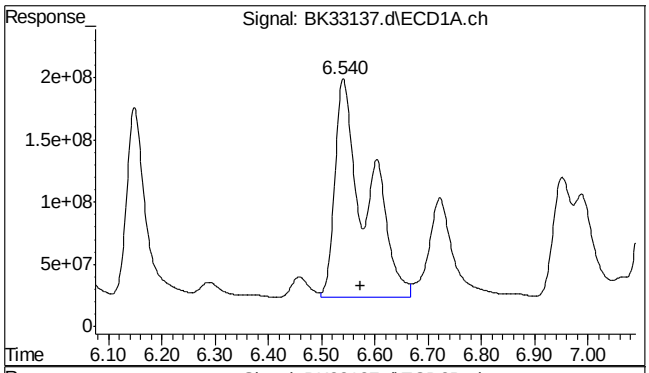


#37 AR1262-A

R.T.: 6.363 min
Delta R.T.: -0.009 min
Response: 117764685
Conc: 587.96 ppb m

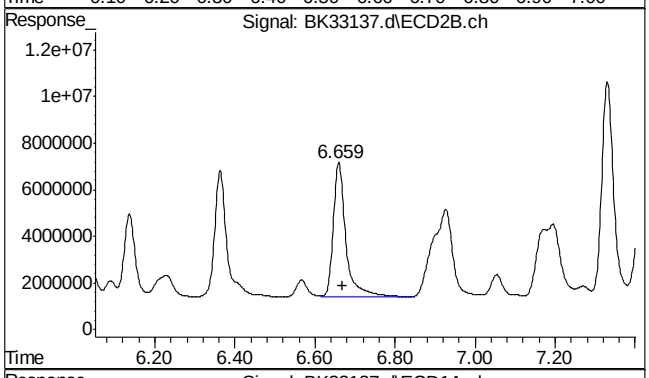
9.5.8

6



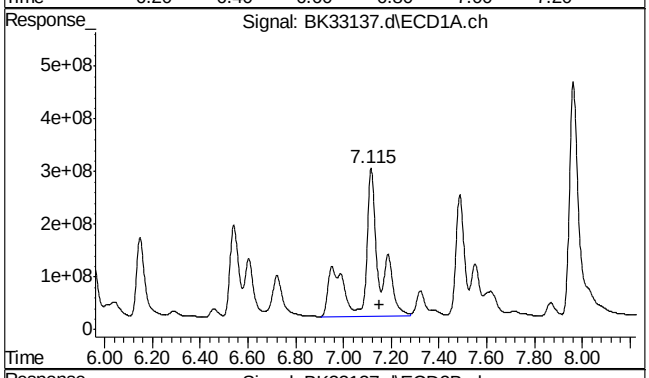
#38 AR1262-B

R.T.: 6.540 min
Delta R.T.: -0.033 min
Response: 7229098372
Conc: 441.95 ppb m



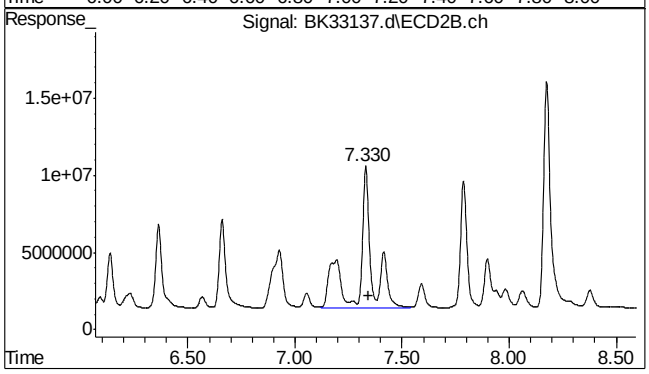
#38 AR1262-B

R.T.: 6.660 min
Delta R.T.: -0.010 min
Response: 127730503
Conc: 575.40 ppb



#39 AR1262-C

R.T.: 7.115 min
Delta R.T.: -0.036 min
Response: 14150811720
Conc: 432.14 ppb m

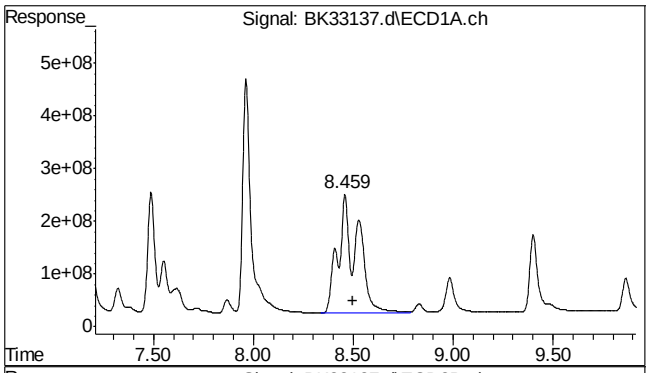


#39 AR1262-C

R.T.: 7.330 min
Delta R.T.: -0.012 min
Response: 401849543
Conc: 570.22 ppb m

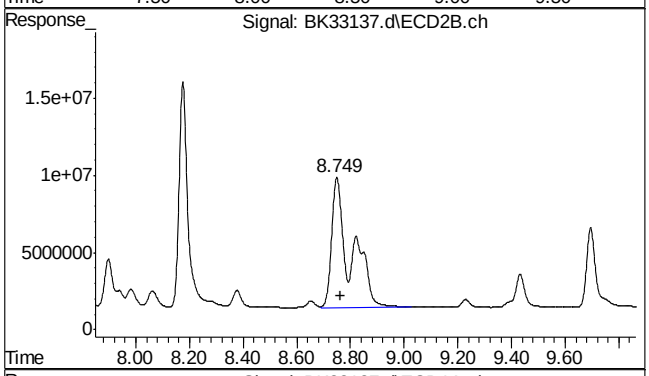
9.5.8

6



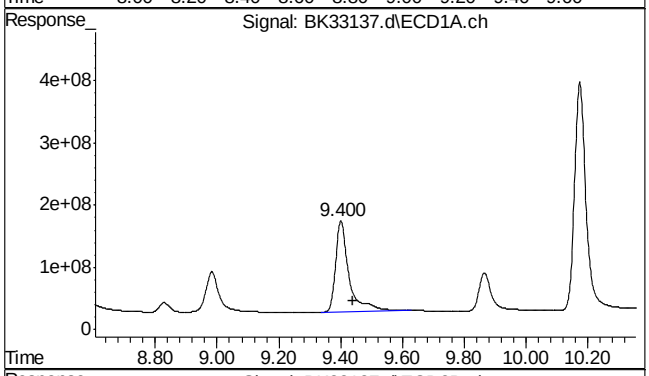
#40 AR1262-D

R.T.: 8.459 min
Delta R.T.: -0.040 min
Response: 15255752019
Conc: 443.29 ppb m



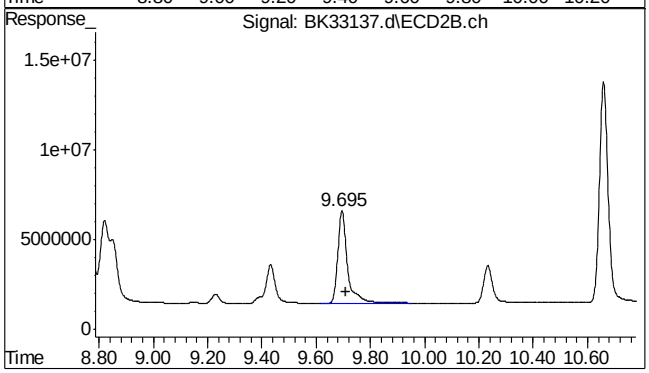
#40 AR1262-D

R.T.: 8.749 min
Delta R.T.: -0.014 min
Response: 407548191
Conc: 570.13 ppb m



#41 AR1262-E

R.T.: 9.400 min
Delta R.T.: -0.041 min
Response: 4427211741
Conc: 451.97 ppb m



#41 AR1262-E

R.T.: 9.695 min
Delta R.T.: -0.015 min
Response: 127319985
Conc: 556.20 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
12/16/13 16:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33138.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 10:54 am
Operator : andrip
Sample : ic1090-500,a42/68
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 13:50:50 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.806	2.702	8617.3E6	270.4E6	41.593m	51.679m
	Spiked Amount 40.000			Recovery	= 103.98%	129.20%	
13) s	DCB	10.173	10.660	13147.8E6	376.3E6	64.791	81.652 #
	Spiked Amount 40.000			Recovery	= 161.98%	204.13%	
	Target Compounds						
22)	AR1242-A	3.128	3.134	1005.1E6	32982056	330.420m	453.304 #
23)	AR1242-B	3.475	3.519	2359.7E6	74620102	392.289m	490.514 #
24)	AR1242-C	3.961f	3.996	3790.8E6	131.9E6	304.990m	434.006m#
25)	AR1242-D	4.337f	4.364	3323.9E6	99567186	413.230m	492.129m
26)	AR1242-E	5.124f	5.216	3639.1E6	126.3E6	305.652m	422.124m#
42)	AR1268-A	7.115f	7.331	3290.3E6	81322912	430.661m	497.328
43)	AR1268-B	7.477f	7.789f	3688.4E6	102.3E6	405.773m	515.372m#
44)	AR1268-C	8.458f	8.745f	27923.1E6	790.4E6	379.870m	492.930m#
45)	AR1268-D	8.827f	9.228f	10057.9E6	282.2E6	386.946m	506.204m#
46)	AR1268-E	9.863f	10.233f	27866.3E6	843.3E6	387.292m	497.698m#

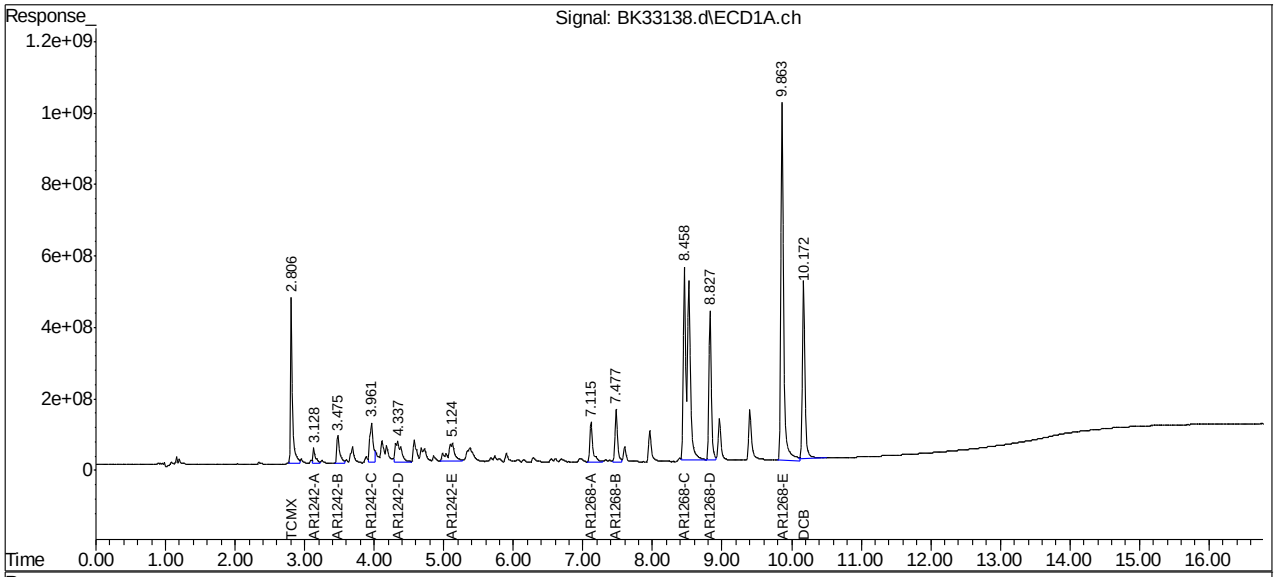
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

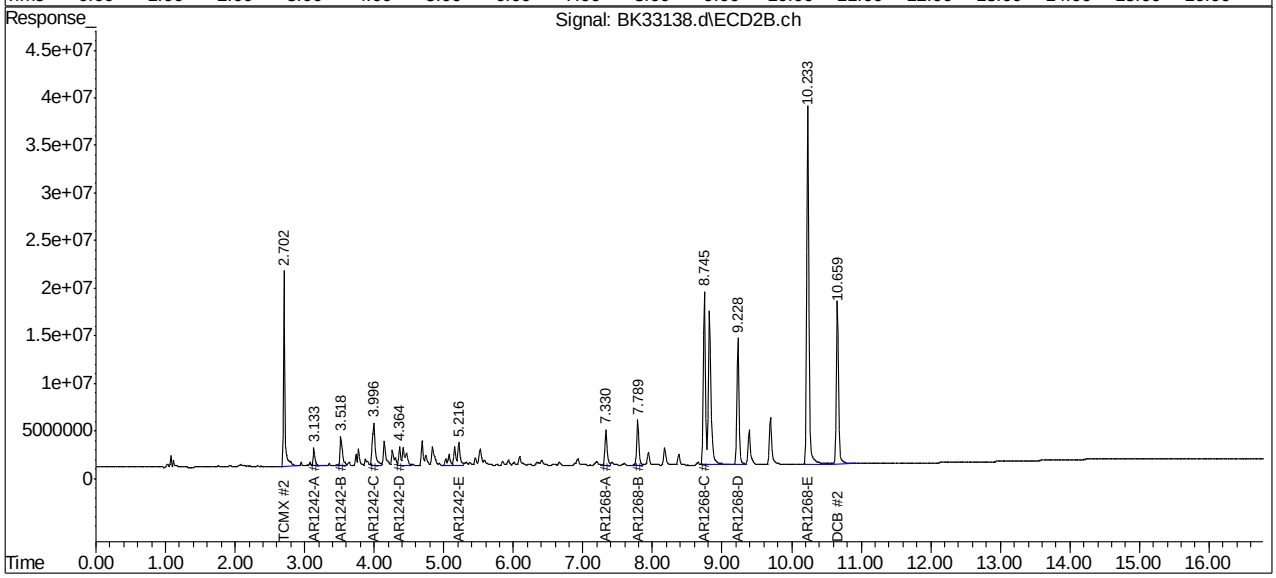
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33138.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 10:54 am
Operator : andrip
Sample : ic1090-500,a42/68
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 59 Sample Multiplier: 1

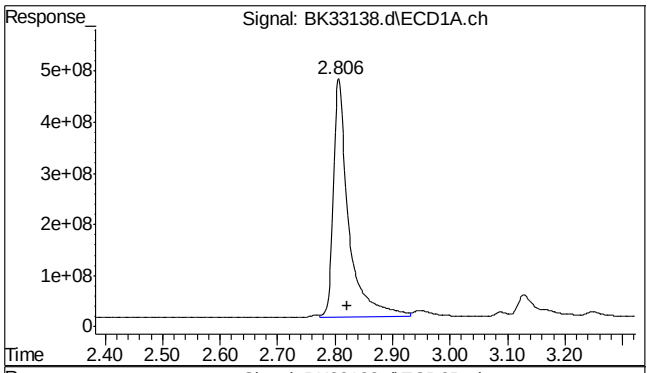
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 13:50:50 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



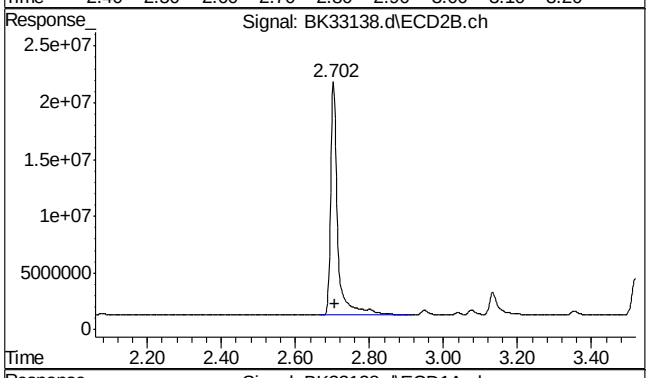


ACCUTEST LABORATORIES MC27081



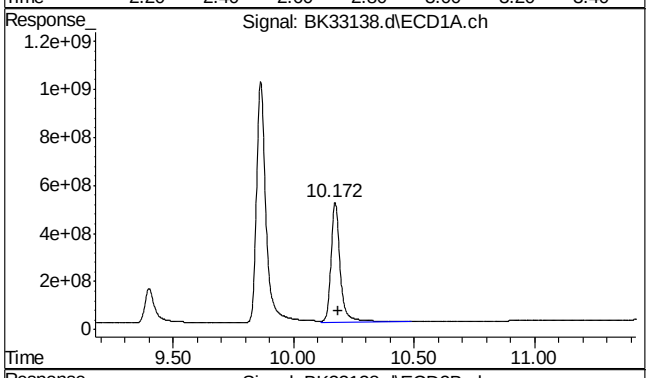
#1 TCMX

R.T.: 2.806 min
Delta R.T.: -0.016 min
Response: 8617340596
Conc: 41.59 ppb m



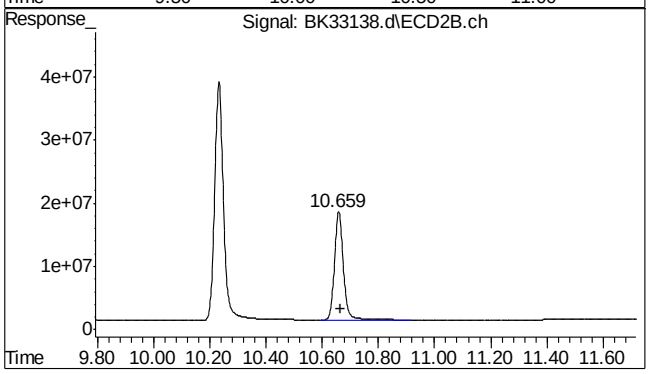
#1 TCMX

R.T.: 2.702 min
Delta R.T.: -0.004 min
Response: 270351493
Conc: 51.68 ppb m



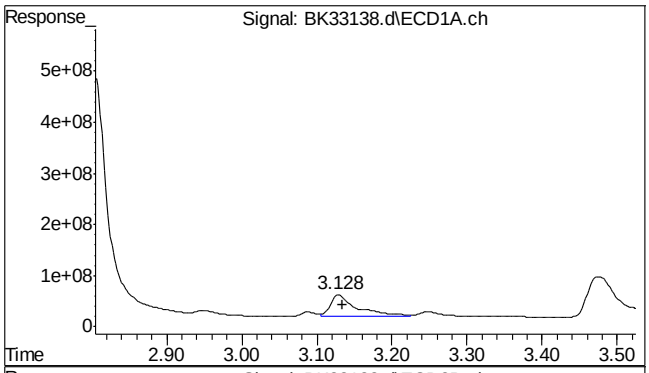
#13 DCB

R.T.: 10.173 min
Delta R.T.: -0.013 min
Response: 13147761993
Conc: 64.79 ppb



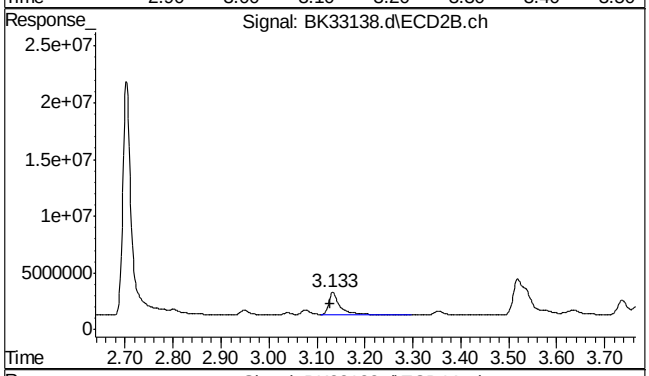
#13 DCB

R.T.: 10.660 min
Delta R.T.: -0.006 min
Response: 376320270
Conc: 81.65 ppb



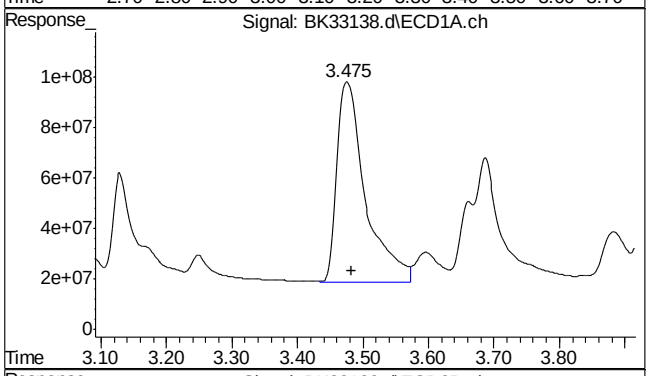
#22 AR1242-A

R.T.: 3.128 min
Delta R.T.: -0.006 min
Response: 1005087747
Conc: 330.42 ppb m



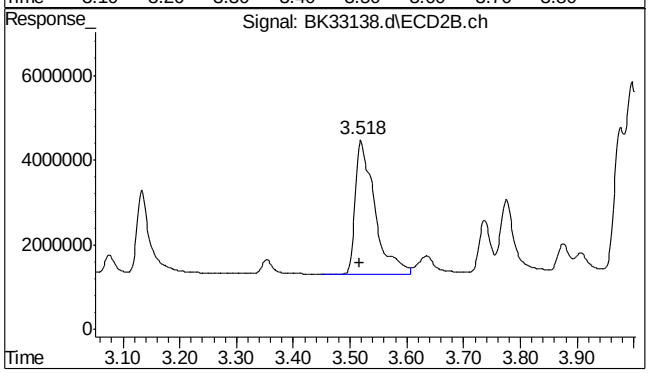
#22 AR1242-A

R.T.: 3.134 min
Delta R.T.: 0.005 min
Response: 32982056
Conc: 453.30 ppb



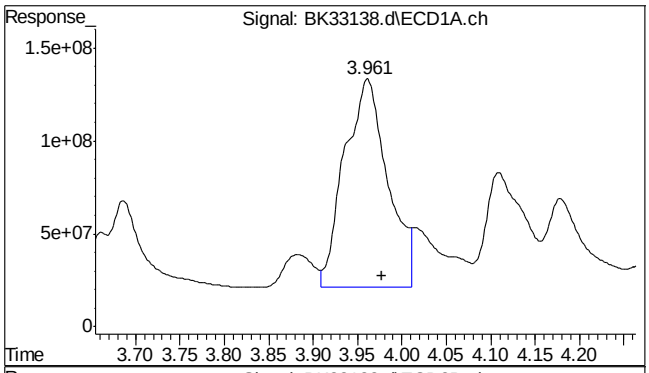
#23 AR1242-B

R.T.: 3.475 min
Delta R.T.: -0.008 min
Response: 2359732442
Conc: 392.29 ppb m



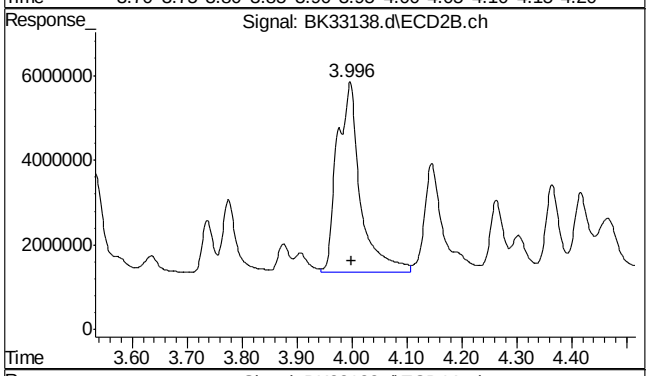
#23 AR1242-B

R.T.: 3.519 min
Delta R.T.: 0.002 min
Response: 74620102
Conc: 490.51 ppb



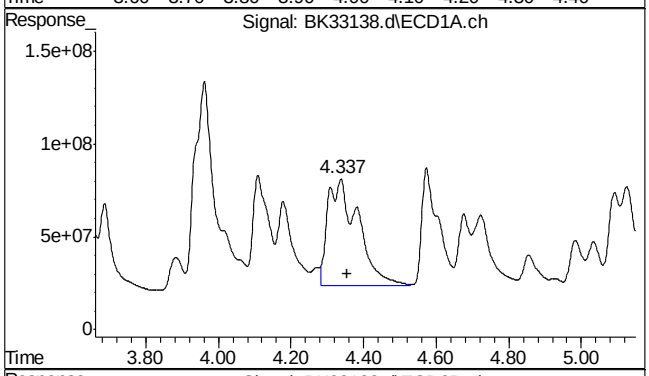
#24 AR1242-C

R.T.: 3.961 min
Delta R.T.: -0.016 min
Response: 3790802857
Conc: 304.99 ppb m



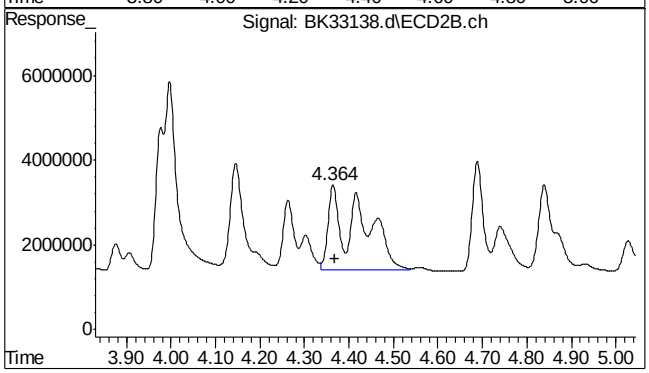
#24 AR1242-C

R.T.: 3.996 min
Delta R.T.: -0.003 min
Response: 131899247
Conc: 434.01 ppb m



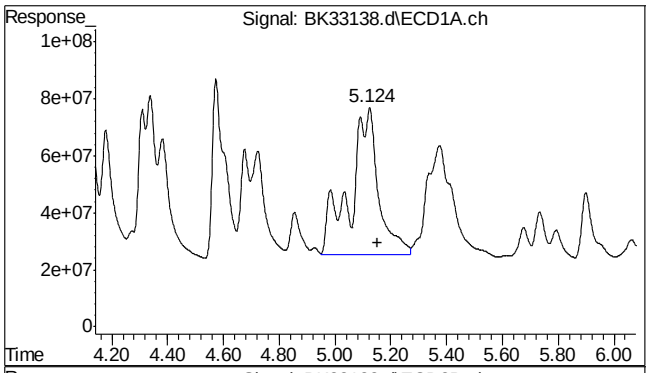
#25 AR1242-D

R.T.: 4.337 min
Delta R.T.: -0.019 min
Response: 3323936975
Conc: 413.23 ppb m



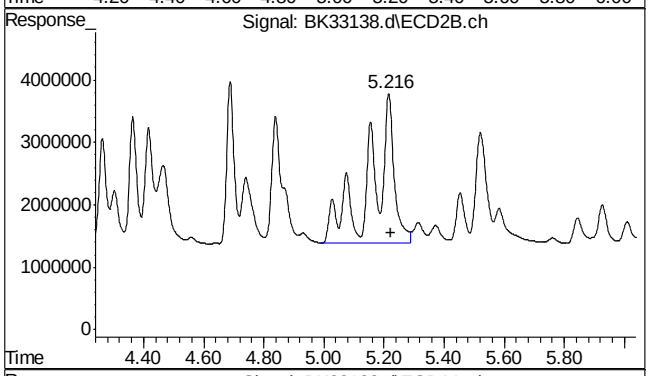
#25 AR1242-D

R.T.: 4.364 min
Delta R.T.: -0.004 min
Response: 99567186
Conc: 492.13 ppb m



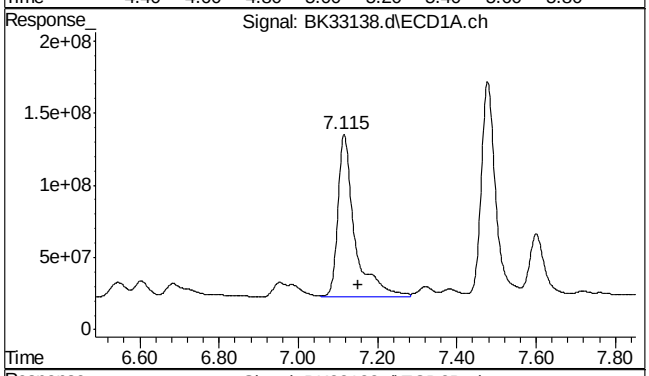
#26 AR1242-E

R.T.: 5.124 min
Delta R.T.: -0.027 min
Response: 3639082298
Conc: 305.65 ppb m



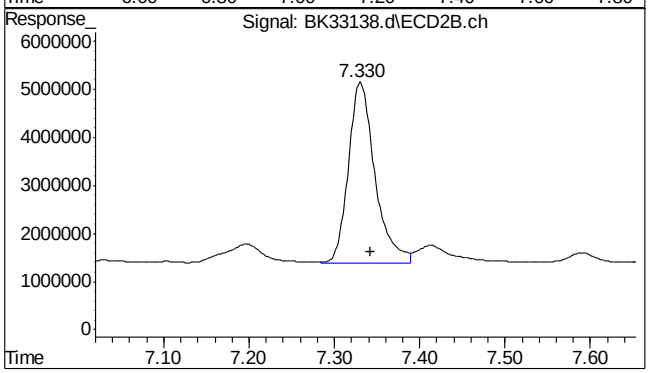
#26 AR1242-E

R.T.: 5.216 min
Delta R.T.: -0.008 min
Response: 126307570
Conc: 422.12 ppb m



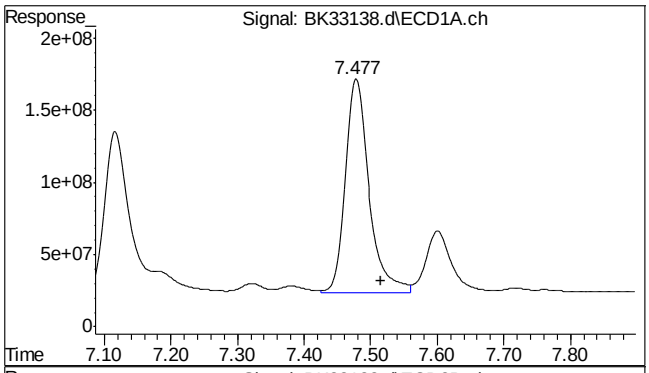
#42 AR1268-A

R.T.: 7.115 min
Delta R.T.: -0.037 min
Response: 3290259823
Conc: 430.66 ppb m



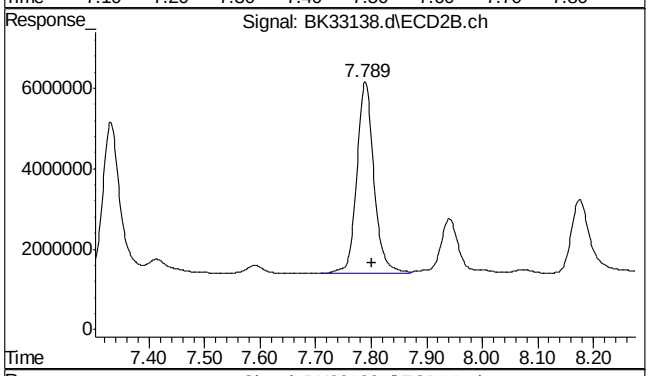
#42 AR1268-A

R.T.: 7.331 min
Delta R.T.: -0.011 min
Response: 81322912
Conc: 497.33 ppb



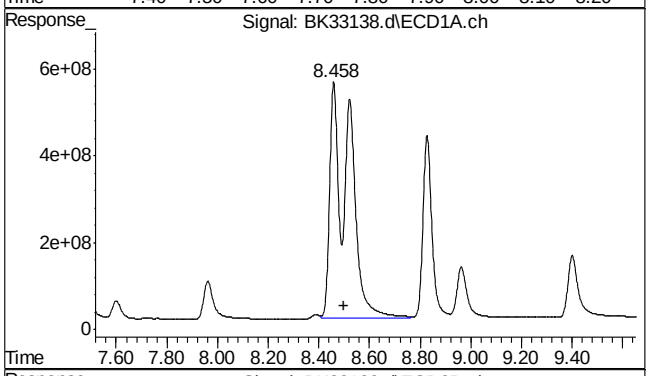
#43 AR1268-B

R.T.: 7.477 min
Delta R.T.: -0.038 min
Response: 3688370836
Conc: 405.77 ppb m



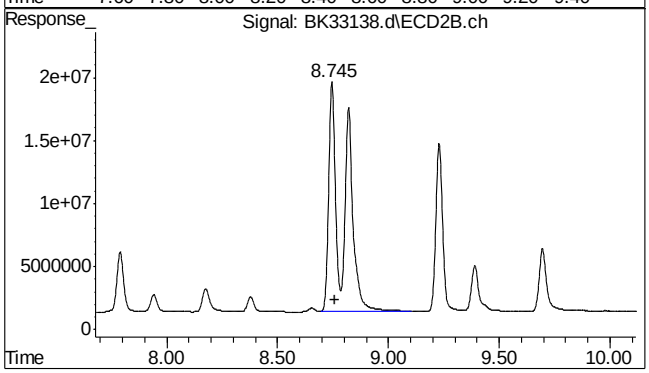
#43 AR1268-B

R.T.: 7.789 min
Delta R.T.: -0.012 min
Response: 102277800
Conc: 515.37 ppb m



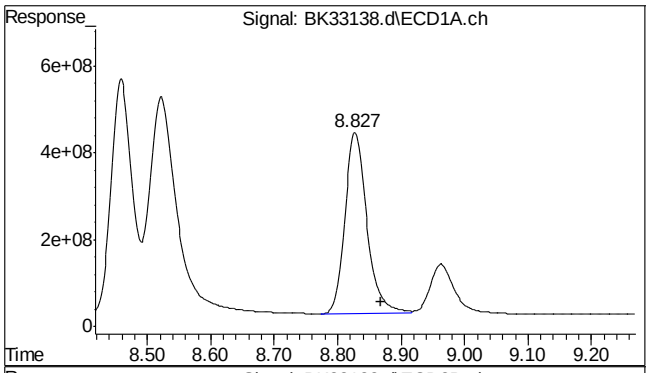
#44 AR1268-C

R.T.: 8.458 min
Delta R.T.: -0.041 min
Response: 27923064161
Conc: 379.87 ppb m



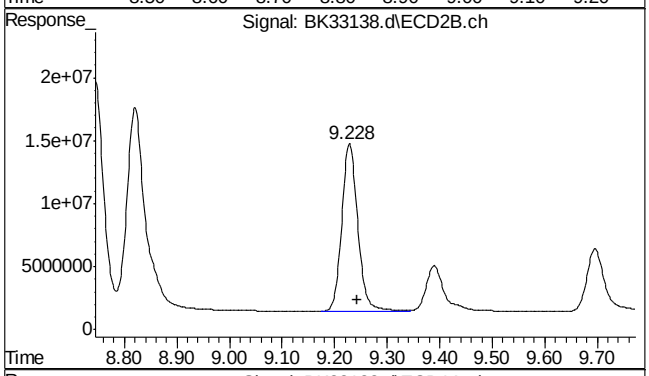
#44 AR1268-C

R.T.: 8.745 min
Delta R.T.: -0.015 min
Response: 790408286
Conc: 492.93 ppb m



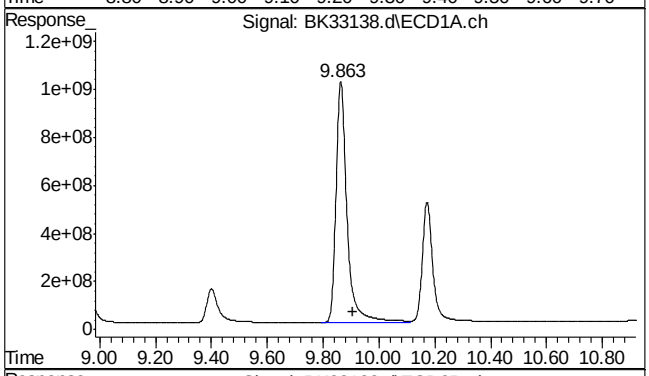
#45 AR1268-D

R.T.: 8.827 min
Delta R.T.: -0.042 min
Response: 10057894373
Conc: 386.95 ppb m



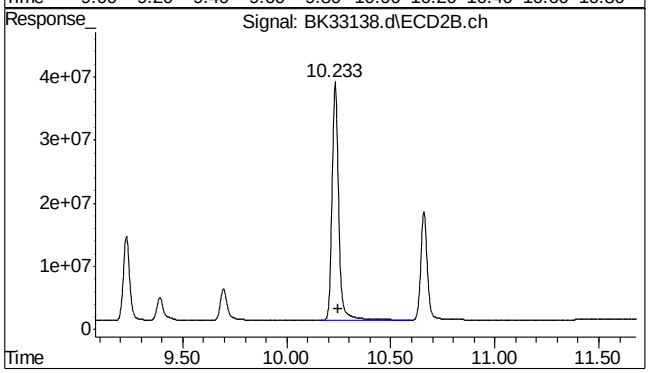
#45 AR1268-D

R.T.: 9.228 min
Delta R.T.: -0.015 min
Response: 282222034
Conc: 506.20 ppb m



#46 AR1268-E

R.T.: 9.863 min
Delta R.T.: -0.042 min
Response: 27866334570
Conc: 387.29 ppb m



#46 AR1268-E

R.T.: 10.233 min
Delta R.T.: -0.015 min
Response: 843314201
Conc: 497.70 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
12/16/13 16:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33139.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 11:13 am
Operator : andrip
Sample : ic1090-500,a1248
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 13:56:56 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1)	s TCMX	2.807	2.704	9725.7E6	287.3E6	46.943	54.913
	Spiked Amount 40.000			Recovery	=	117.36%	137.28%
13)	s DCB	10.174	10.660	8642.8E6	251.1E6	42.591	54.471 #
	Spiked Amount 40.000			Recovery	=	106.48%	136.18%
	Target Compounds						
27)	AR1248-A	3.471	3.519	1370.1E6	42110633	413.166m	516.518 #
28)	AR1248-B	3.960f	3.997	2519.2E6	92186857	297.592m	447.576m#
29)	AR1248-C	4.308f	4.364	5369.0E6	158.0E6	428.638m	520.527m
30)	AR1248-D	4.572f	5.215	6490.6E6	235.5E6	385.817m	462.371m
31)	AR1248-E	5.090f	5.522	7094.2E6	145.0E6	340.135m	498.253m#

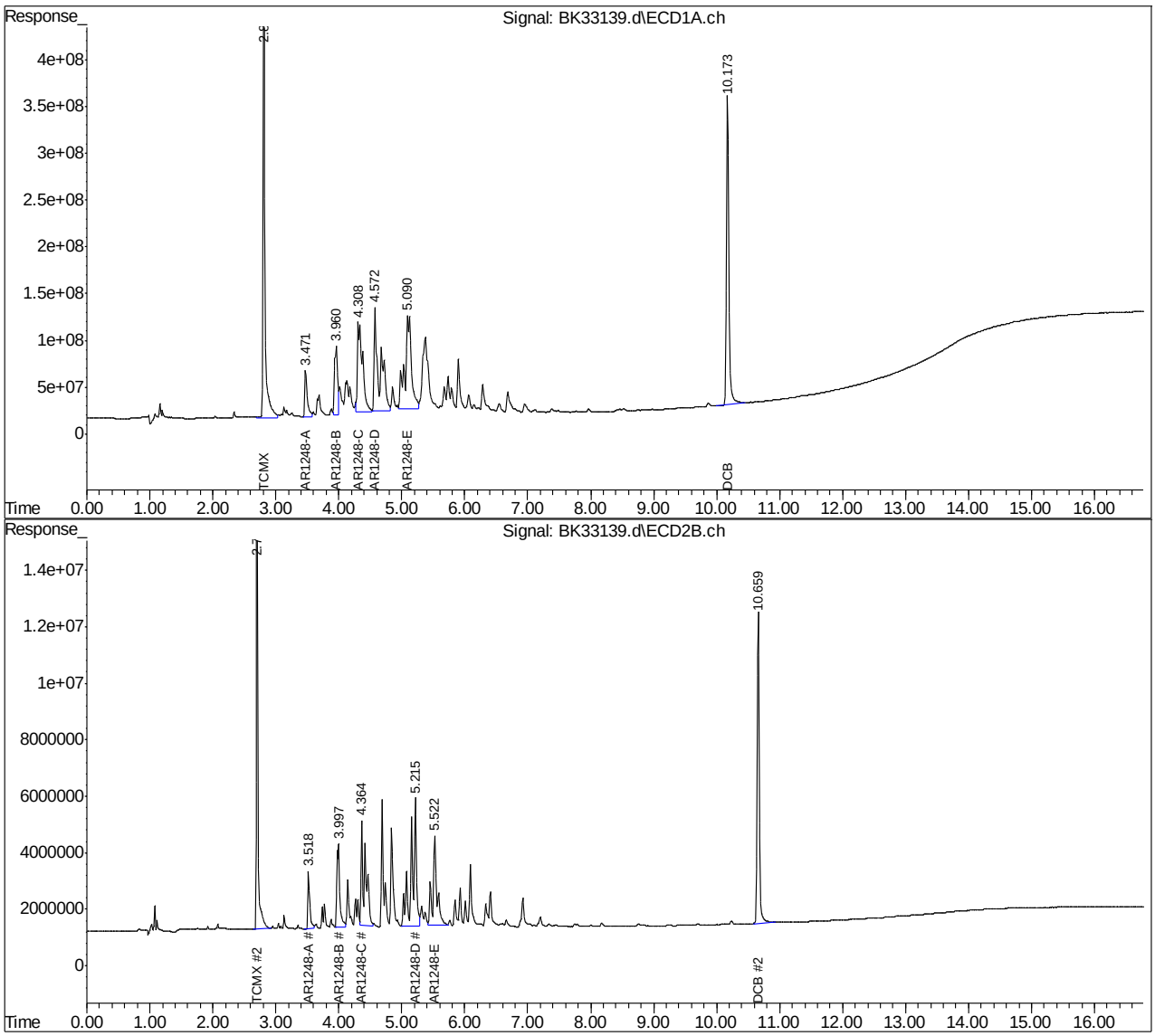
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

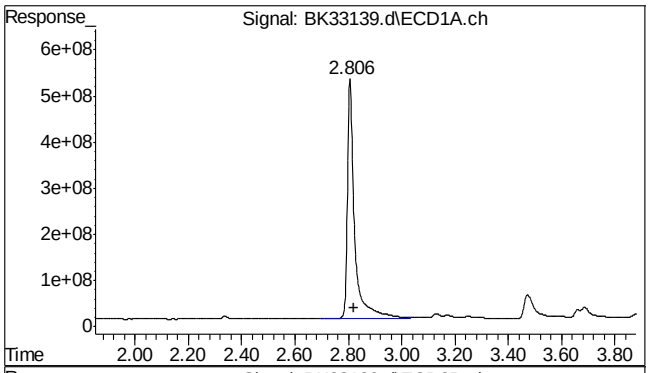
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33139.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 11:13 am
Operator : andrip
Sample : ic1090-500,a1248
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 13:56:56 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 13:24:09 2013
Response via : Initial Calibration
Integrator: ChemStation

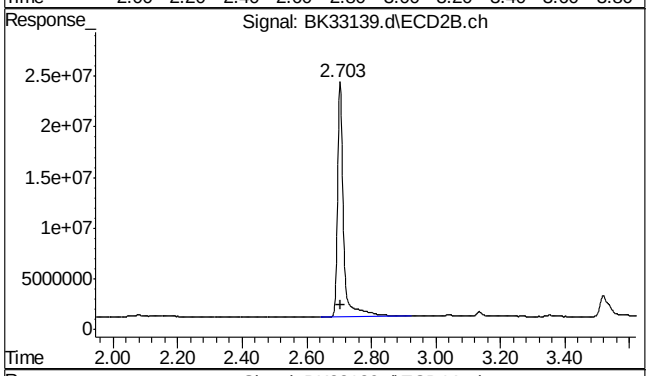
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





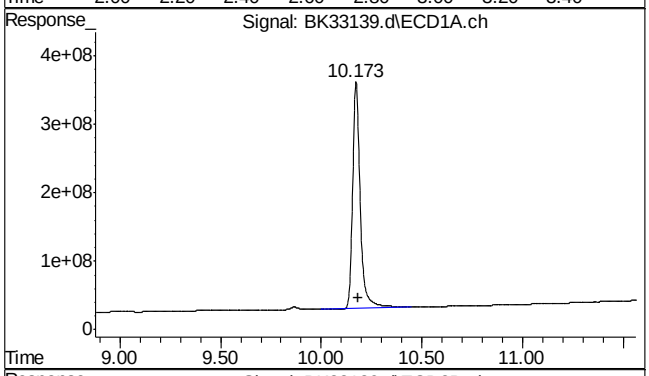
#1 TCMX

R.T.: 2.807 min
Delta R.T.: -0.015 min
Response: 9725657459
Conc: 46.94 ppb



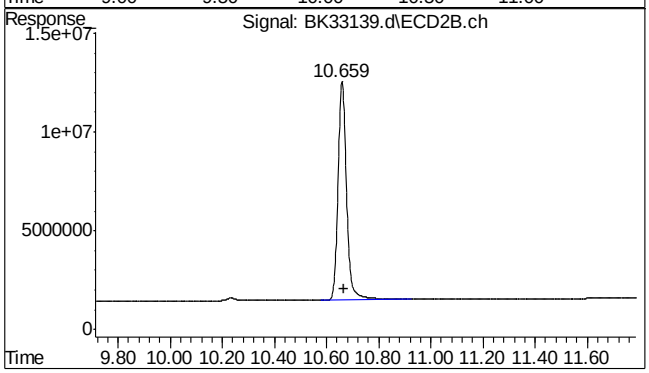
#1 TCMX

R.T.: 2.704 min
Delta R.T.: -0.002 min
Response: 287267456
Conc: 54.91 ppb



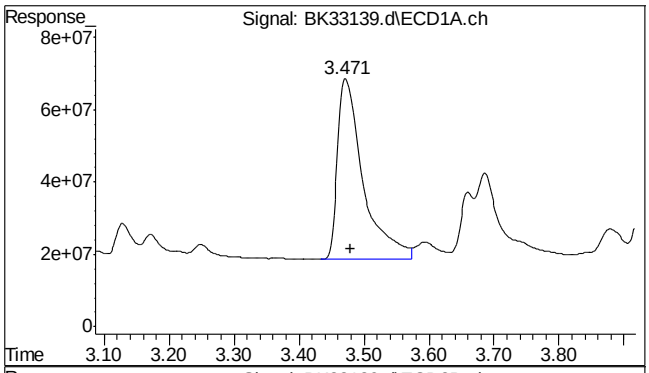
#13 DCB

R.T.: 10.174 min
Delta R.T.: -0.013 min
Response: 8642830178
Conc: 42.59 ppb



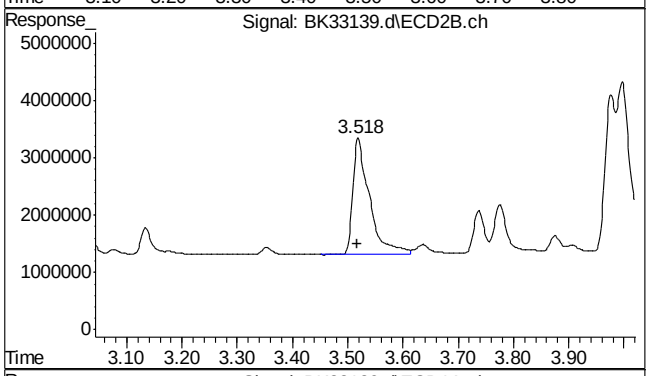
#13 DCB

R.T.: 10.660 min
Delta R.T.: -0.005 min
Response: 251050474
Conc: 54.47 ppb



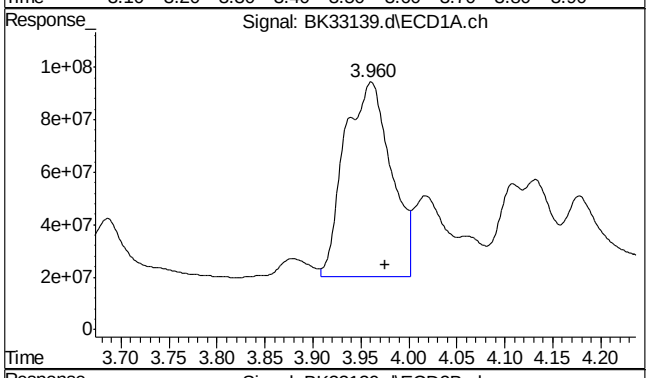
#27 AR1248-A

R.T.: 3.471 min
Delta R.T.: -0.009 min
Response: 1370053891
Conc: 413.17 ppb m



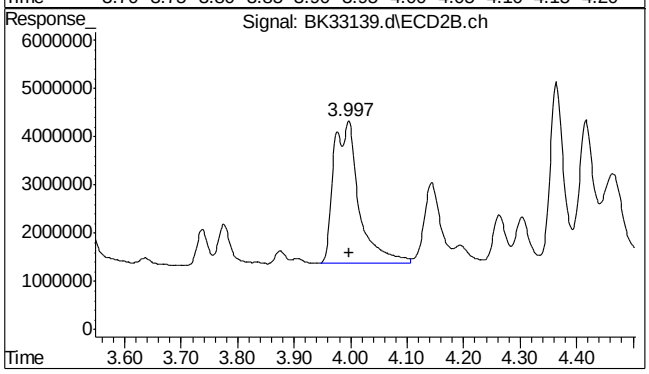
#27 AR1248-A

R.T.: 3.519 min
Delta R.T.: 0.002 min
Response: 42110633
Conc: 516.52 ppb



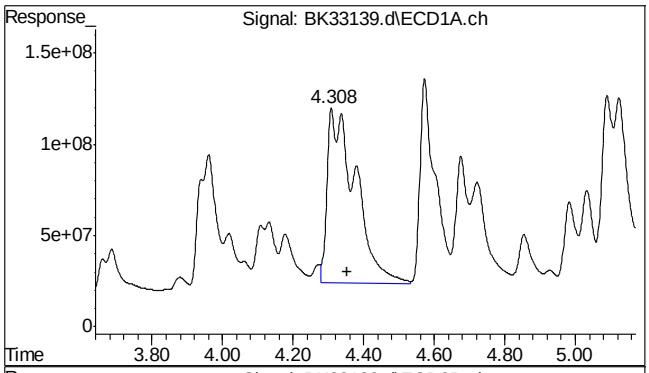
#28 AR1248-B

R.T.: 3.960 min
Delta R.T.: -0.015 min
Response: 2519168703
Conc: 297.59 ppb m



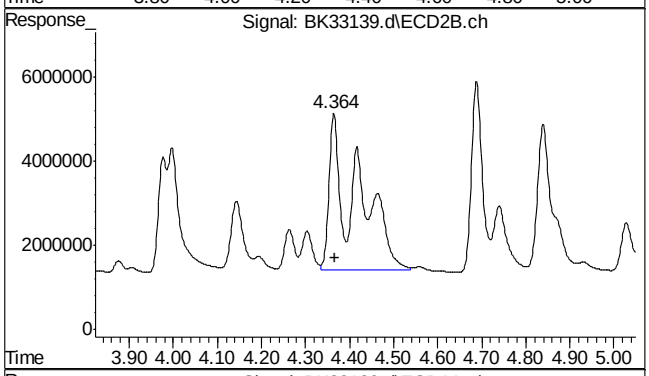
#28 AR1248-B

R.T.: 3.997 min
Delta R.T.: -0.002 min
Response: 92186857
Conc: 447.58 ppb m



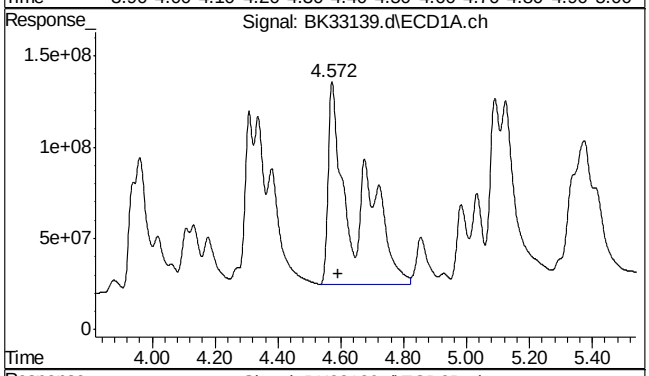
#29 AR1248-C

R.T.: 4.308 min
Delta R.T.: -0.046 min
Response: 5369029911
Conc: 428.64 ppb m



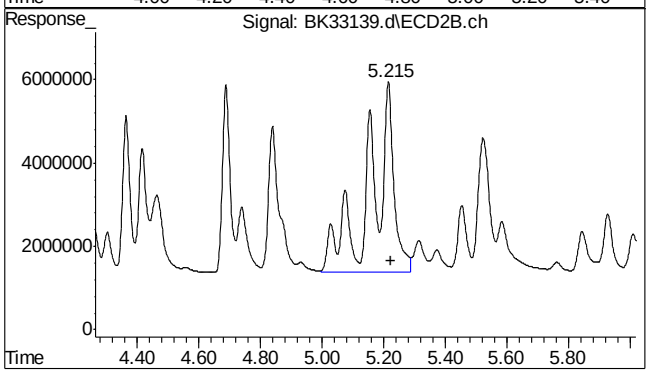
#29 AR1248-C

R.T.: 4.364 min
Delta R.T.: -0.004 min
Response: 157994839
Conc: 520.53 ppb m



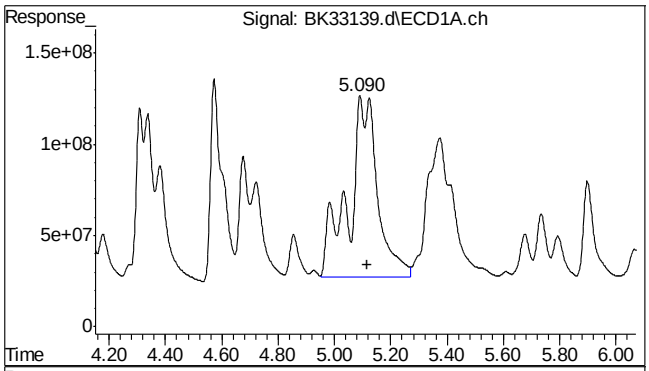
#30 AR1248-D

R.T.: 4.572 min
Delta R.T.: -0.021 min
Response: 6490645425
Conc: 385.82 ppb m



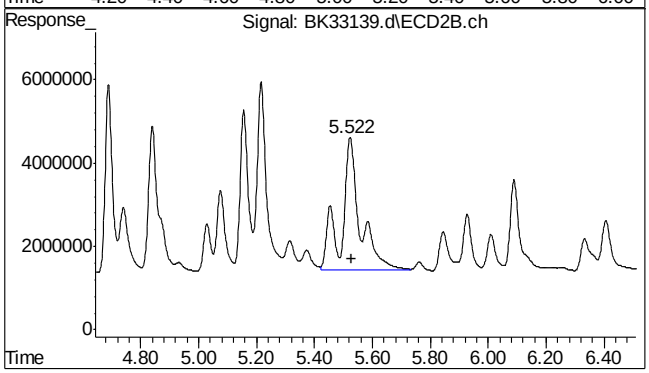
#30 AR1248-D

R.T.: 5.215 min
Delta R.T.: -0.008 min
Response: 235532538
Conc: 462.37 ppb m



#31 AR1248-E

R.T.: 5.090 min
Delta R.T.: -0.026 min
Response: 7094212554
Conc: 340.14 ppb m



#31 AR1248-E

R.T.: 5.522 min
Delta R.T.: -0.007 min
Response: 145003402
Conc: 498.25 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
12/16/13 16:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33140.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 11:32 am
Operator : andrip
Sample : icv1090-500,a16/60
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 14:12:49 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.806	2.704	9885.2E6	305.5E6	48.144m	50.914
	Spiked Amount 40.000			Recovery	=	120.36%	127.29%
13) s	DCB	10.173	10.660	9519.9E6	278.5E6	47.326	49.130
	Spiked Amount 40.000			Recovery	=	118.32%	122.83%
	Target Compounds						
2)	AR1016-A	3.129	3.134	1706.8E6	47362860	496.733	473.039
3)	AR1016-B	3.474	3.519	3576.9E6	108.1E6	468.384	479.402m
4)	AR1016-C	3.961	3.998	5913.9E6	208.4E6	468.660m	502.900
5)	AR1016-D	4.108	4.145	4608.0E6	82102129	491.673m	487.257m
6)	AR1016-E	4.572	4.688	2825.4E6	100.2E6	468.048m	500.560m
7)	AR1260-A	6.146	6.362	4752.1E6	141.5E6	472.300m	493.300m
8)	AR1260-B	6.541	6.659	8600.0E6	169.4E6	479.907m	491.347m
9)	AR1260-C	7.114	7.330	15047.4E6	420.6E6	480.415m	483.354m
10)	AR1260-D	7.962	8.174	9850.4E6	297.5E6	469.241m	477.277m
11)	AR1260-E	8.407	8.758	11020.2E6	307.9E6	486.803m	494.565m
12)	AR1260-F	9.400	9.695	2764.5E6	91635347	500.201	524.222m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

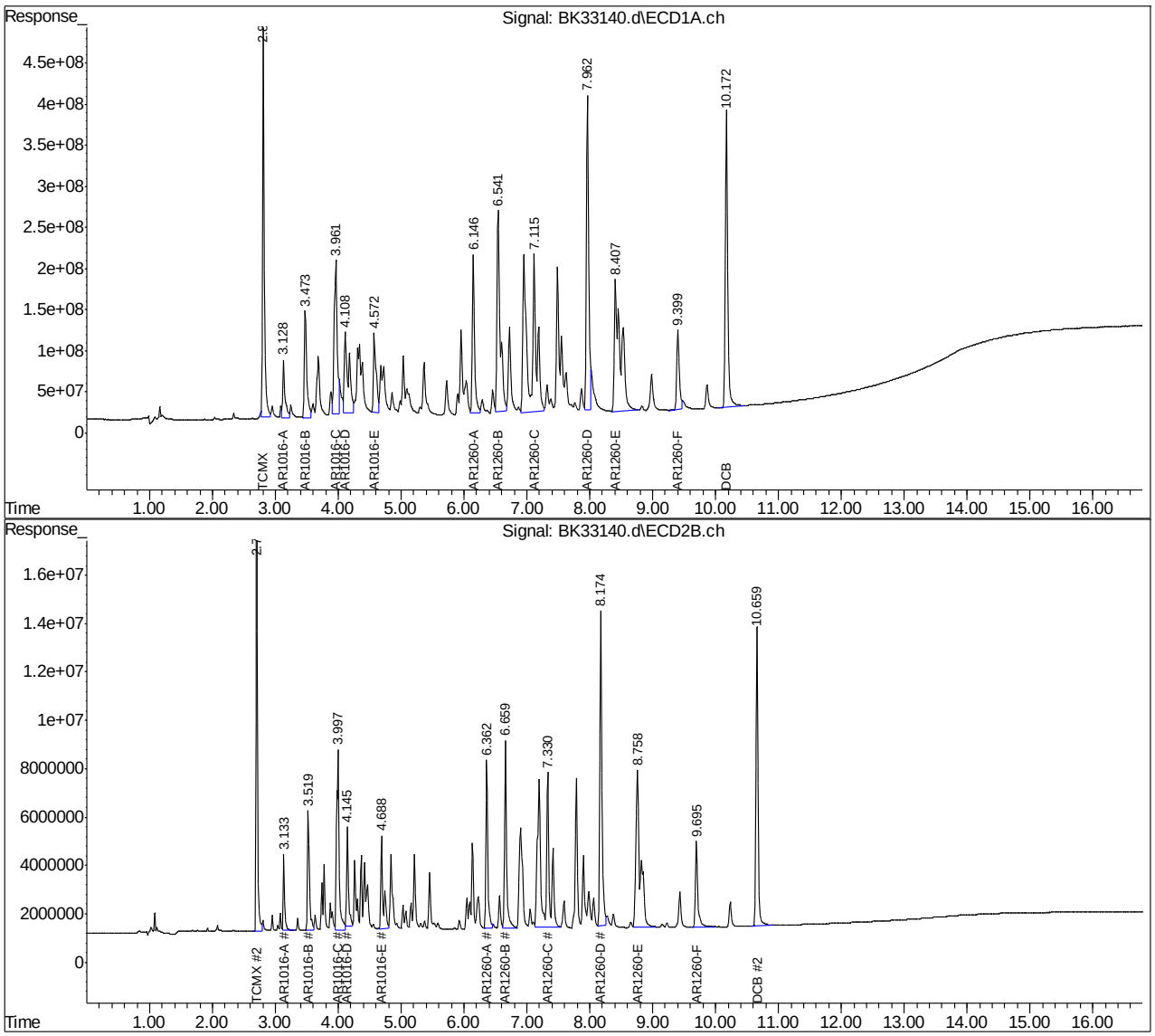
9.5.11
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33140.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 11:32 am
Operator : andrip
Sample : icv1090-500,a16/60
Misc : op36119,gbk1090,1000,,,5,,s
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 14:12:49 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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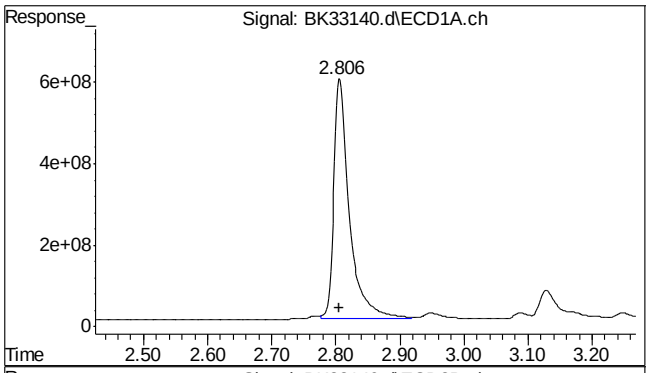
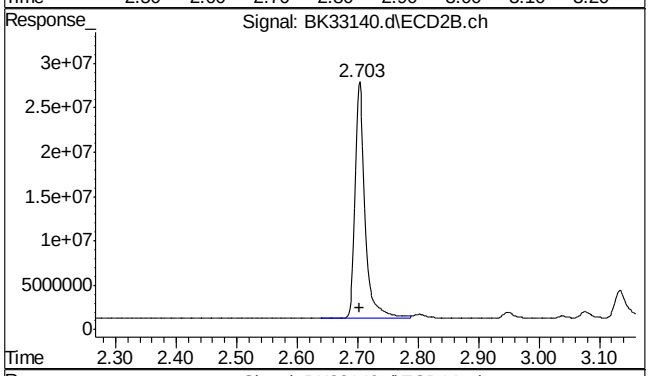


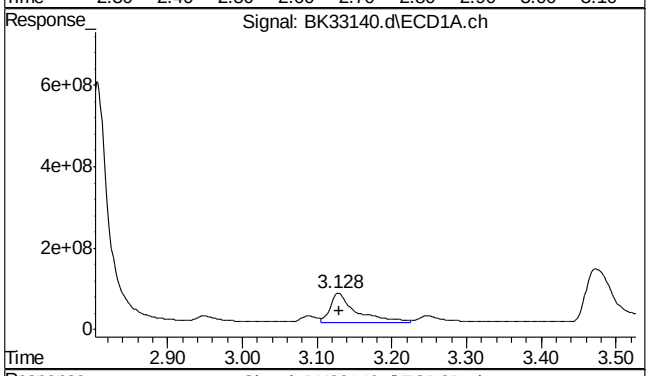
#1 TCMX

R.T.: 2.806 min
Delta R.T.: 0.000 min
Response: 9885153569
Conc: 48.14 ppb m



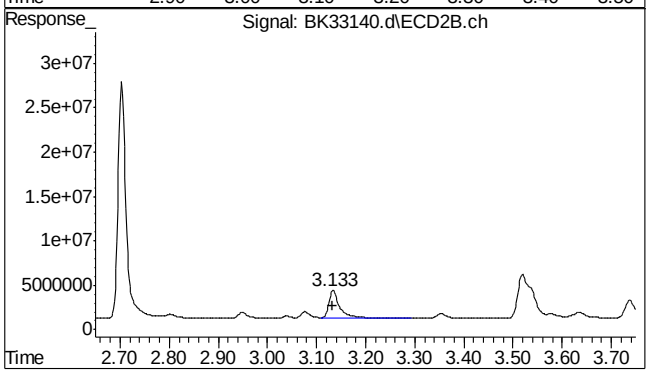
#1 TCMX

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 305529852
Conc: 50.91 ppb



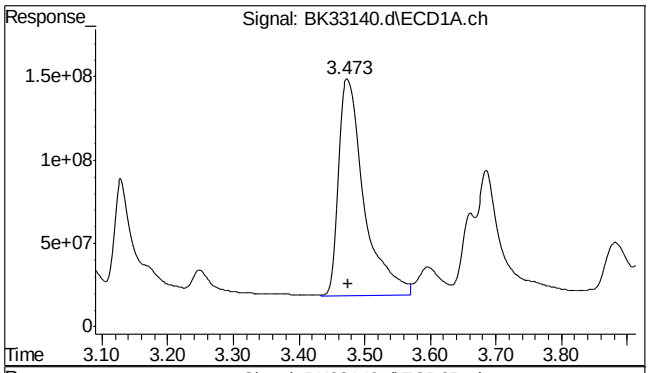
#2 AR1016-A

R.T.: 3.129 min
Delta R.T.: 0.000 min
Response: 1706772277
Conc: 496.73 ppb



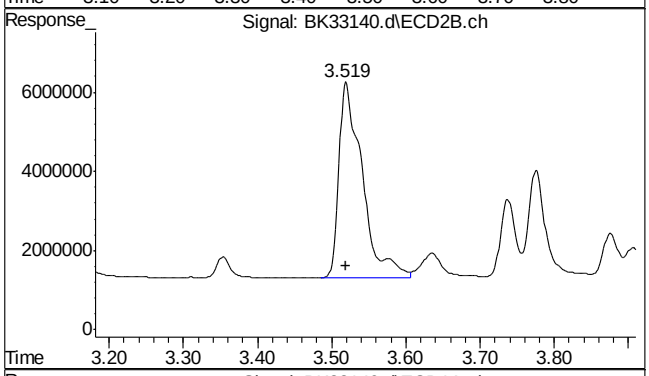
#2 AR1016-A

R.T.: 3.134 min
Delta R.T.: 0.001 min
Response: 47362860
Conc: 473.04 ppb



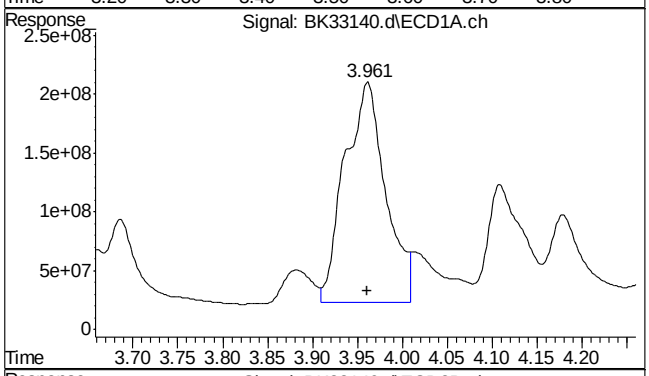
#3 AR1016-B

R.T.: 3.474 min
Delta R.T.: 0.000 min
Response: 3576922128
Conc: 468.38 ppb



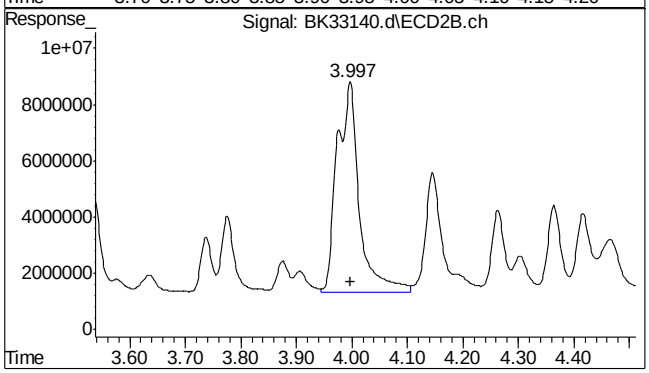
#3 AR1016-B

R.T.: 3.519 min
Delta R.T.: -0.001 min
Response: 108105754
Conc: 479.40 ppb m



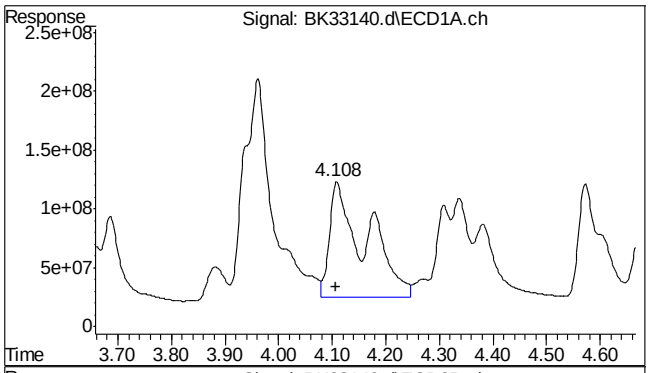
#4 AR1016-C

R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 5913947533
Conc: 468.66 ppb m



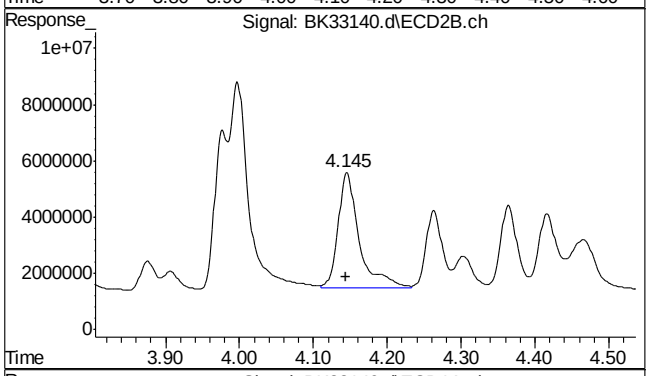
#4 AR1016-C

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 208381338
Conc: 502.90 ppb



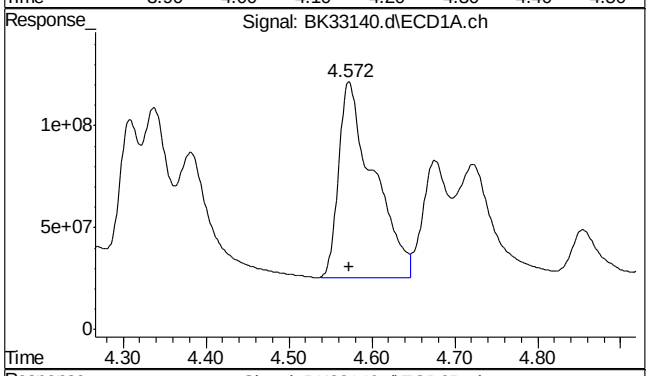
#5 AR1016-D

R.T.: 4.108 min
Delta R.T.: 0.000 min
Response: 4607967994
Conc: 491.67 m



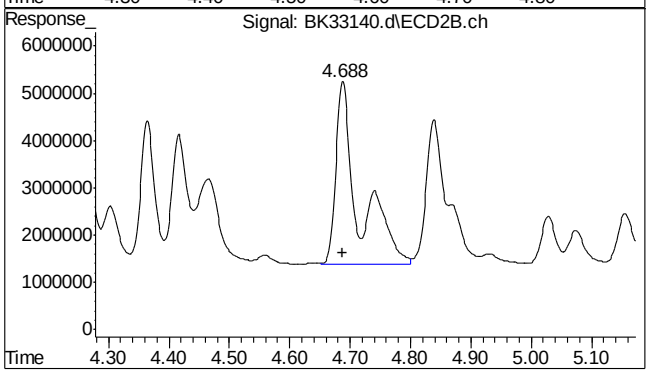
#5 AR1016-D

R.T.: 4.145 min
Delta R.T.: 0.000 min
Response: 82102129
Conc: 487.26 m



#6 AR1016-E

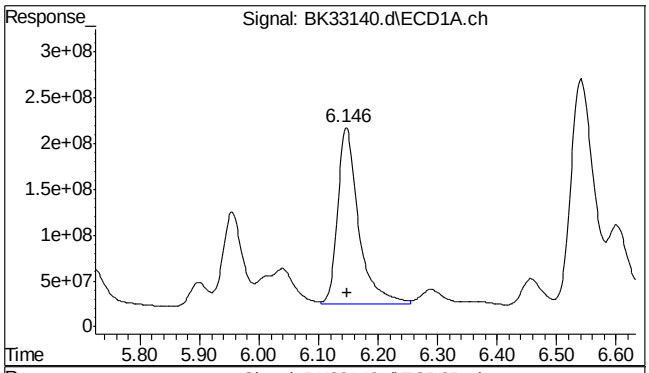
R.T.: 4.572 min
Delta R.T.: -0.001 min
Response: 2825360960
Conc: 468.05 m



#6 AR1016-E

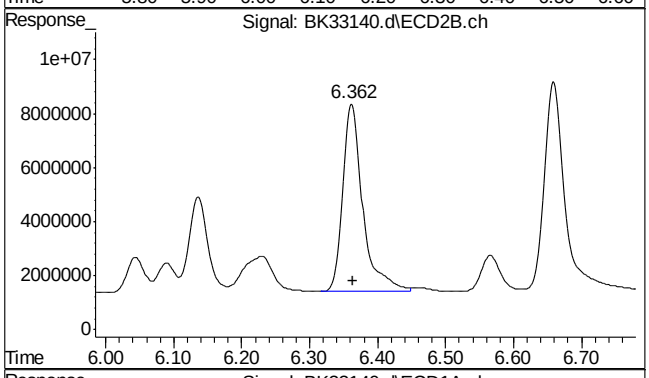
R.T.: 4.688 min
Delta R.T.: 0.000 min
Response: 100218004
Conc: 500.56 m

9.5.11
9



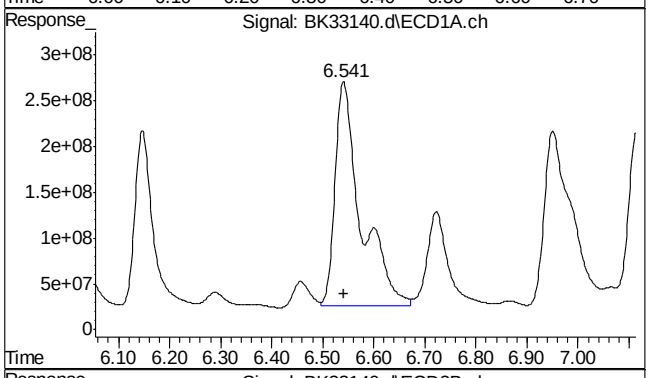
#7 AR1260-A

R.T.: 6.146 min
Delta R.T.: -0.002 min
Response: 4752112691
Conc: 472.30 ppb m



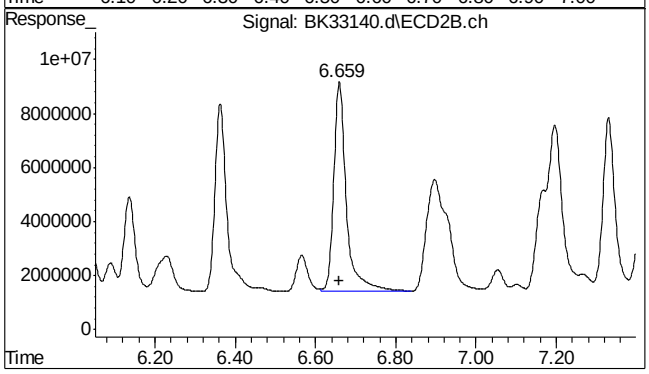
#7 AR1260-A

R.T.: 6.362 min
Delta R.T.: -0.001 min
Response: 141459089
Conc: 493.30 ppb m



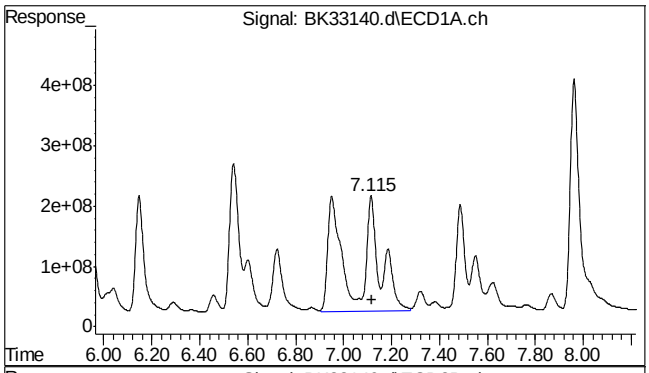
#8 AR1260-B

R.T.: 6.541 min
Delta R.T.: 0.000 min
Response: 8599979482
Conc: 479.91 ppb m



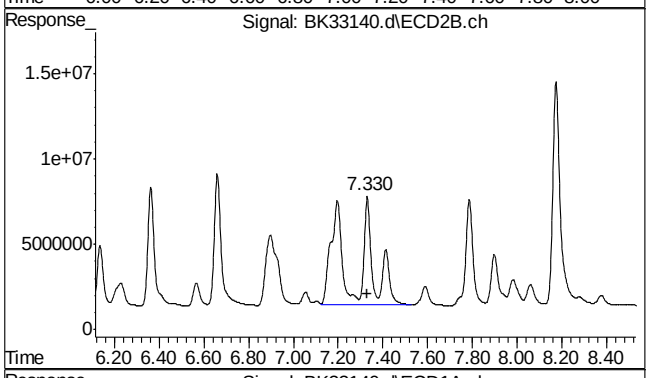
#8 AR1260-B

R.T.: 6.659 min
Delta R.T.: 0.000 min
Response: 169436255
Conc: 491.35 ppb m



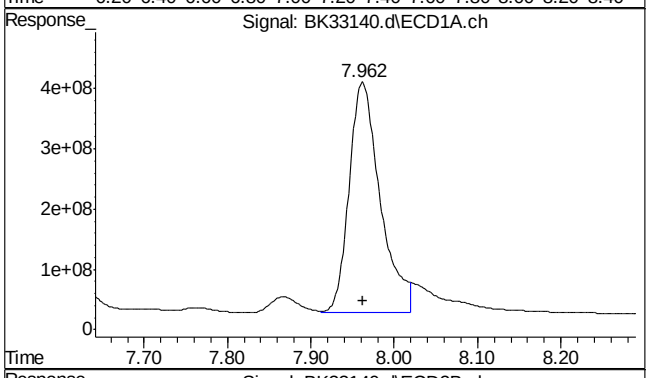
#9 AR1260-C

R.T.: 7.114 min
Delta R.T.: -0.002 min
Response: 15047372726
Conc: 480.41 ppb m



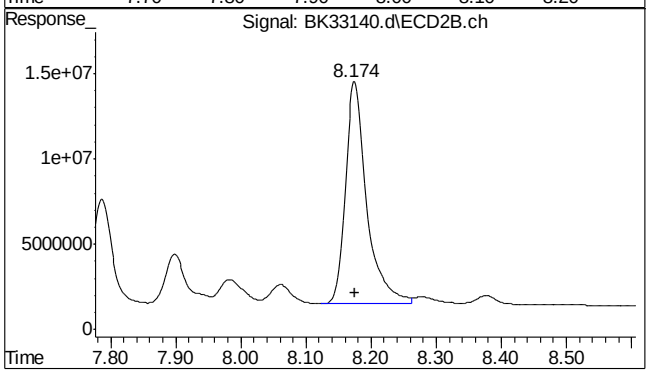
#9 AR1260-C

R.T.: 7.330 min
Delta R.T.: 0.000 min
Response: 420618213
Conc: 483.35 ppb m



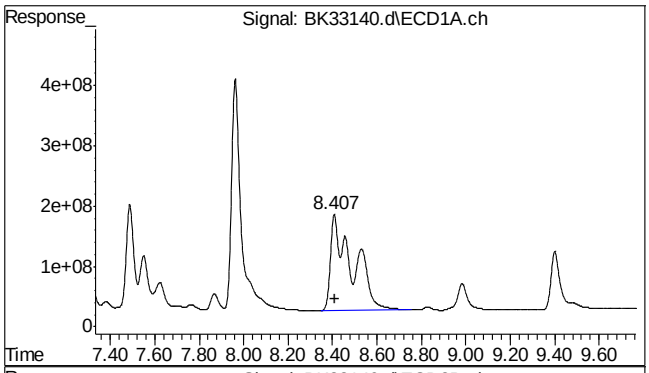
#10 AR1260-D

R.T.: 7.962 min
Delta R.T.: -0.001 min
Response: 9850438228
Conc: 469.24 ppb m



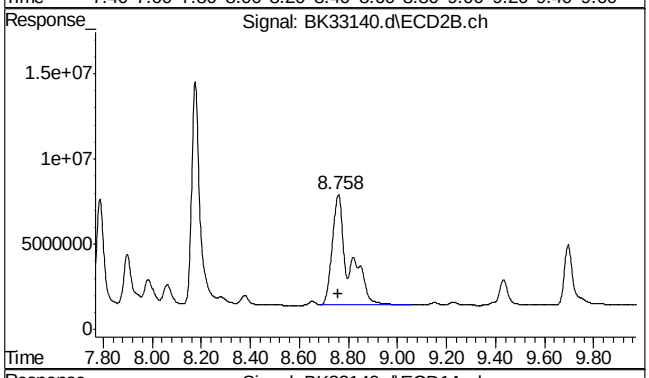
#10 AR1260-D

R.T.: 8.174 min
Delta R.T.: 0.000 min
Response: 297527749
Conc: 477.28 ppb m



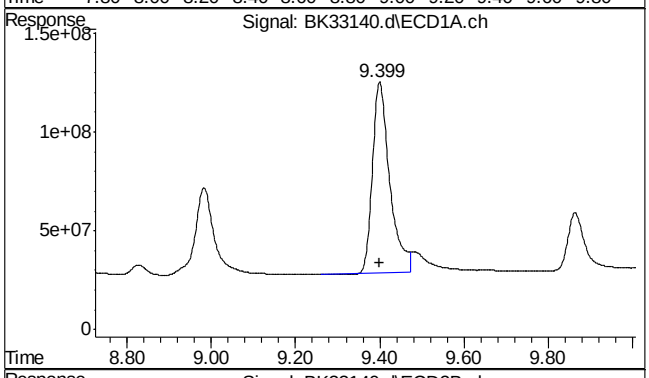
#11 AR1260-E

R.T.: 8.407 min
Delta R.T.: -0.001 min
Response: 11020202740
Conc: 486.80 ppb m



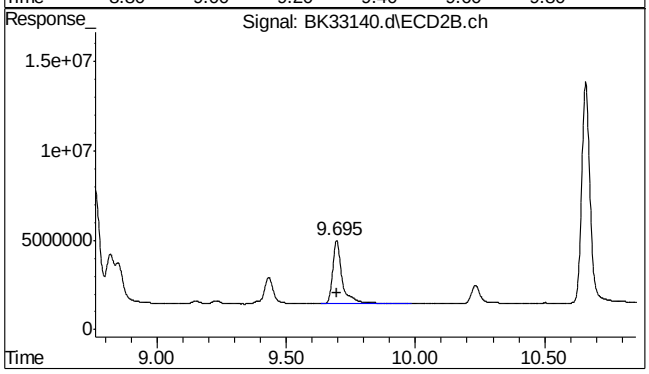
#11 AR1260-E

R.T.: 8.758 min
Delta R.T.: -0.002 min
Response: 307936528
Conc: 494.56 ppb m



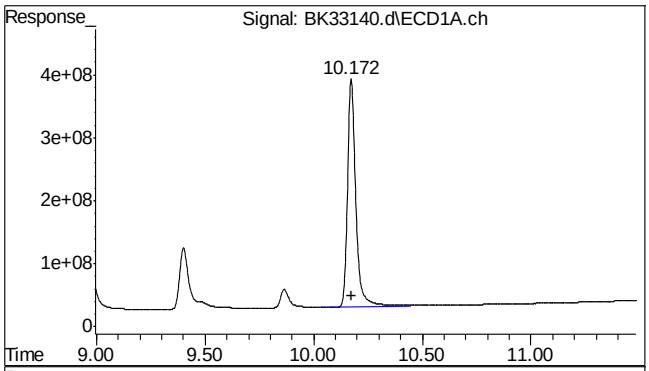
#12 AR1260-F

R.T.: 9.400 min
Delta R.T.: 0.000 min
Response: 2764463175
Conc: 500.20



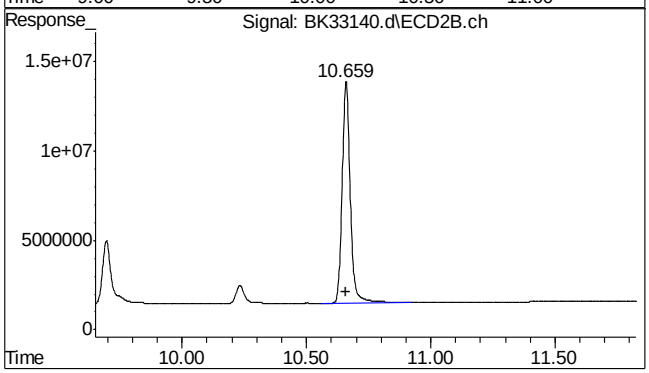
#12 AR1260-F

R.T.: 9.695 min
Delta R.T.: -0.002 min
Response: 91635347
Conc: 524.22 m



#13 DCB

R.T.: 10.173 min
Delta R.T.: 0.000 min
Response: 9519947055
Conc: 47.33 ppb



#13 DCB

R.T.: 10.660 min
Delta R.T.: -0.001 min
Response: 278482657
Conc: 49.13 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
12/17/13 13:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131217\
Data File : BK33197.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Dec 2013 8:08 am
Operator : andrip
Sample : cc1090-750,a16/60
Misc : op36119,gbk1091,1000,,,5,,s
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 17 08:27:42 2013
Quant Method : C:\msdchem\1\METHODS\PC131217.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.817	2.705	12627.7E6	317.3E6	61.502m	52.874m
	Spiked Amount 40.000			Recovery	= 153.76%	132.19%	
13) s	DCB	10.179	10.662	11763.3E6	290.1E6	58.479	51.174
	Spiked Amount 40.000			Recovery	= 146.20%	127.94%	
	Target Compounds						
2)	AR1016-A	3.141	3.136	2517.7E6	65123598	732.733m	650.426
3)	AR1016-B	3.487	3.521	5683.7E6	146.4E6	744.256m	649.244m
4)	AR1016-C	3.975	4.001	10286.9E6	278.7E6	815.201m	672.532
5)	AR1016-D	4.122	4.149	7892.8E6	118.4E6	842.171m	702.612
6)	AR1016-E	4.586	4.691	4715.3E6	132.5E6	781.132m	661.968m
7)	AR1260-A	6.159	6.366	7788.2E6	187.8E6	774.049m	654.976m
8)	AR1260-B	6.552	6.662	14084.9E6	232.1E6	785.983m	673.109m
9)	AR1260-C	7.126	7.333	25027.3E6	583.9E6	799.041m	670.957m
10)	AR1260-D	7.972	8.178	17823.1E6	441.4E6	849.031m	708.116m
11)	AR1260-E	8.415	8.763	18046.3E6	428.3E6	797.171m	687.912m
12)	AR1260-F	9.406	9.698	4578.7E6	121.0E6	828.468m	692.424

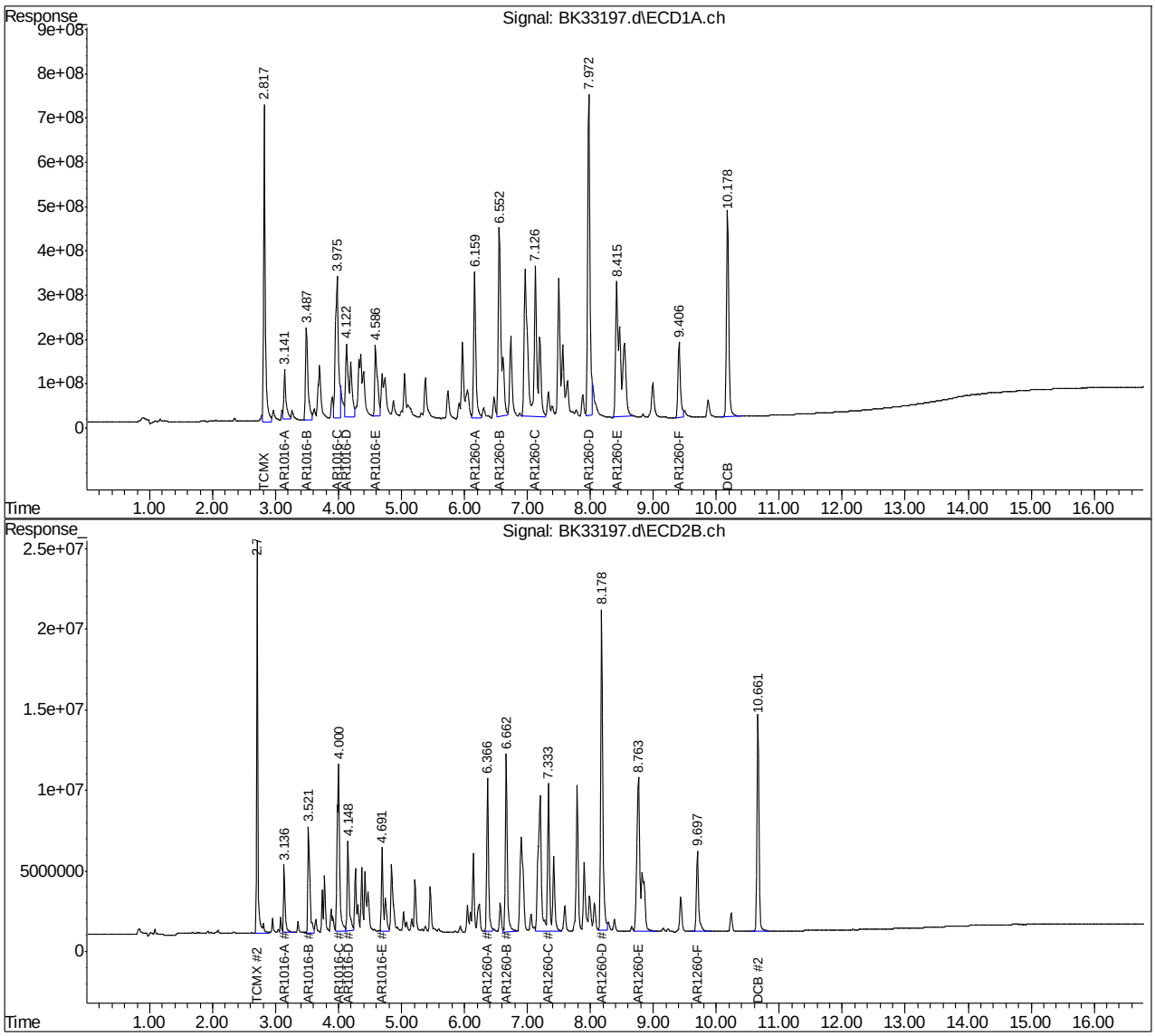
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

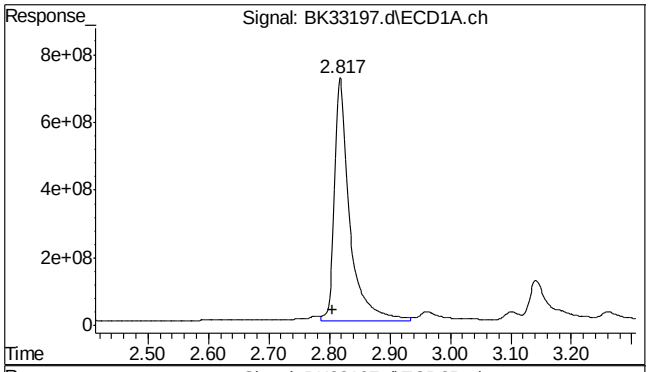
Data Path : C:\msdchem\1\DATA\BK131217\
Data File : BK33197.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Dec 2013 8:08 am
Operator : andrip
Sample : cc1090-750,a16/60
Misc : op36119,gbk1091,1000,,,5,,s
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 17 08:27:42 2013
Quant Method : C:\msdchem\1\METHODS\PC131217.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

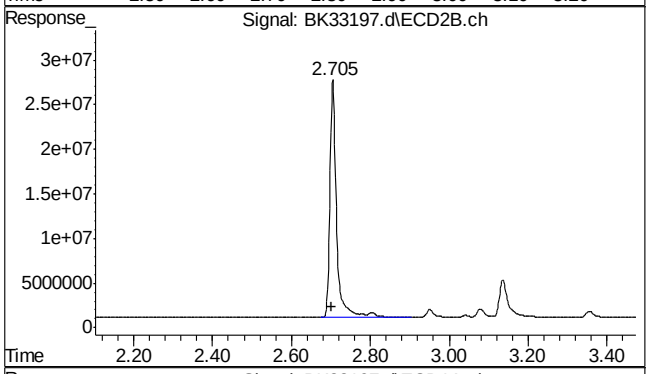


ACCUTEST LABORATORIES MC27081



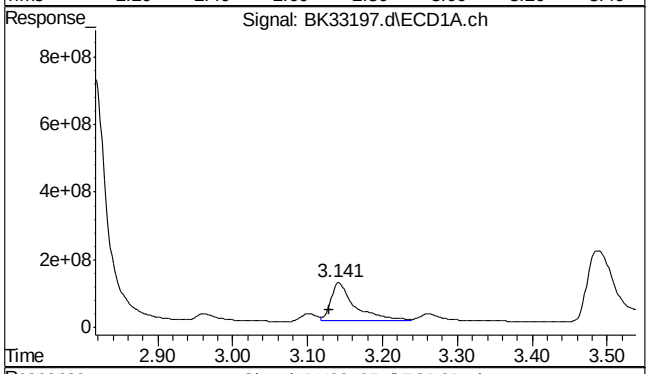
#1 TCMX

R.T.: 2.817 min
Delta R.T.: 0.011 min
Response: 12627722117
Conc: 61.50 ppb m



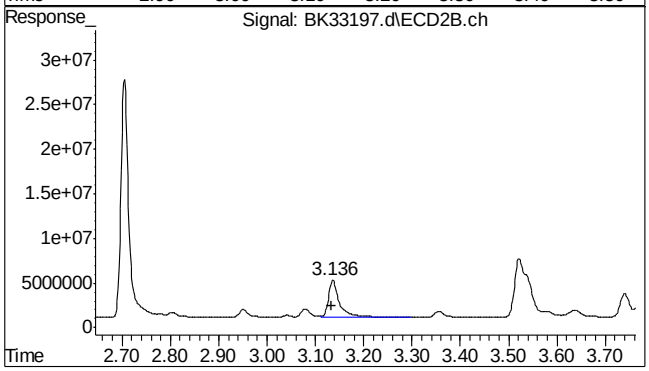
#1 TCMX

R.T.: 2.705 min
Delta R.T.: 0.002 min
Response: 317288539
Conc: 52.87 ppb m



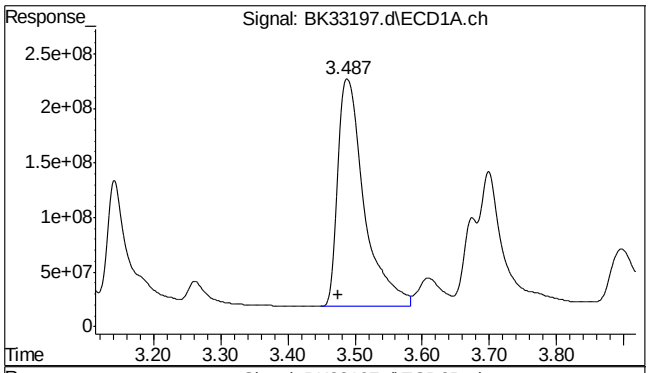
#2 AR1016-A

R.T.: 3.141 min
Delta R.T.: 0.012 min
Response: 2517668411
Conc: 732.73 ppb m



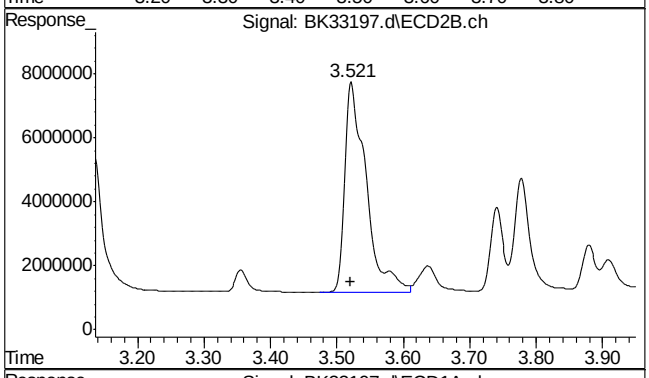
#2 AR1016-A

R.T.: 3.136 min
Delta R.T.: 0.003 min
Response: 65123598
Conc: 650.43 ppb



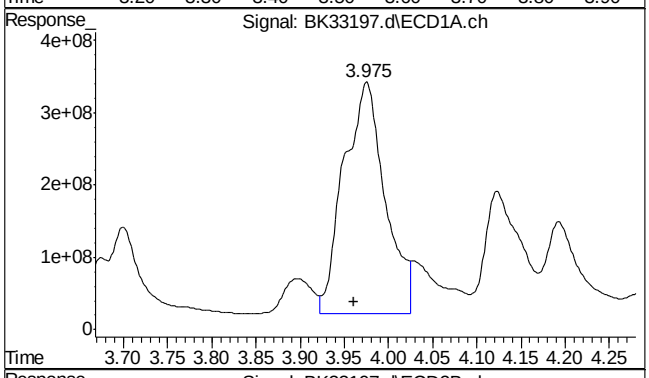
#3 AR1016-B

R.T.: 3.487 min
Delta R.T.: 0.012 min
Response: 5683675274
Conc: 744.26 ppb m



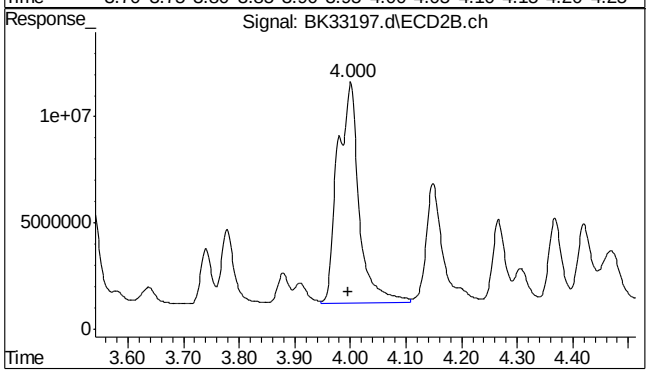
#3 AR1016-B

R.T.: 3.521 min
Delta R.T.: 0.001 min
Response: 146405514
Conc: 649.24 ppb m



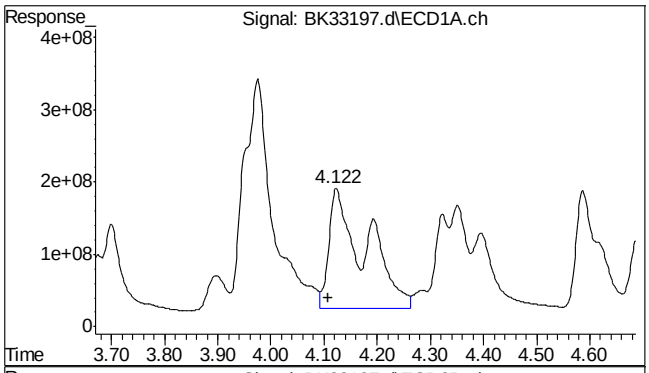
#4 AR1016-C

R.T.: 3.975 min
Delta R.T.: 0.014 min
Response: 10286881489
Conc: 815.20 ppb m



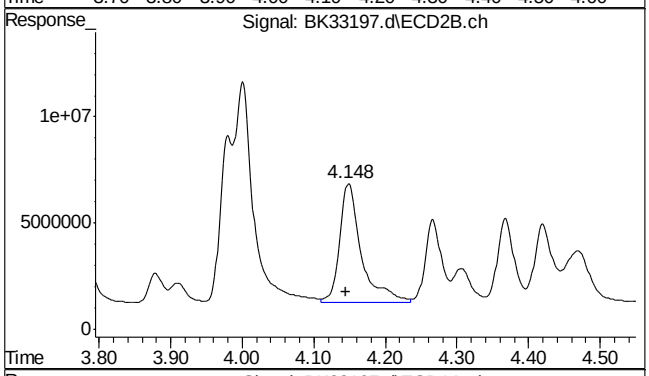
#4 AR1016-C

R.T.: 4.001 min
Delta R.T.: 0.004 min
Response: 278669624
Conc: 672.53 ppb



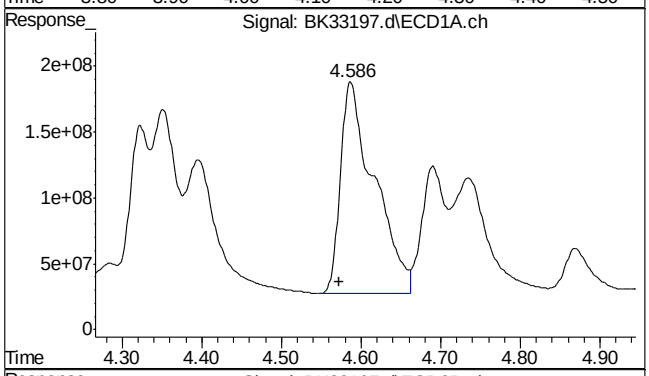
#5 AR1016-D

R.T.: 4.122 min
Delta R.T.: 0.014 min
Response: 7892840934
Conc: 842.17 m



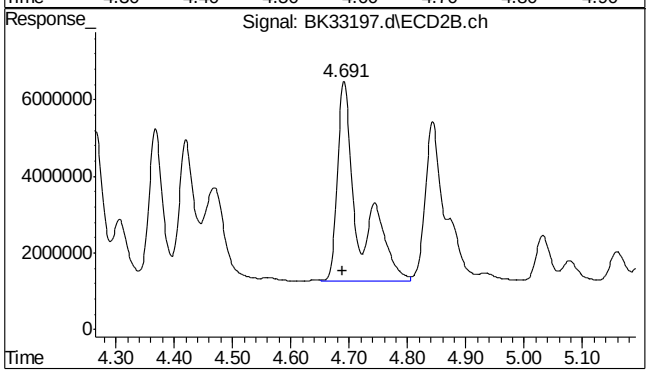
#5 AR1016-D

R.T.: 4.149 min
Delta R.T.: 0.004 min
Response: 118389171
Conc: 702.61



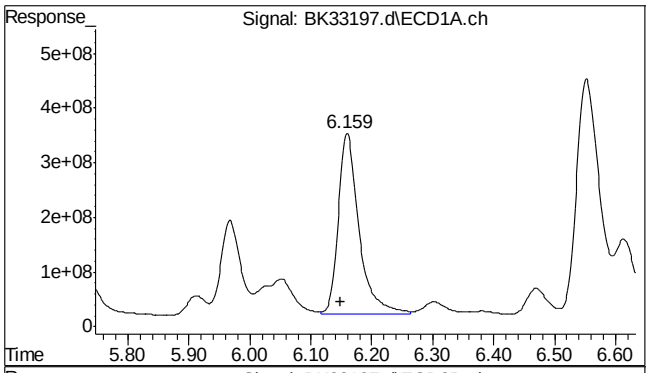
#6 AR1016-E

R.T.: 4.586 min
Delta R.T.: 0.013 min
Response: 4715280709
Conc: 781.13 m



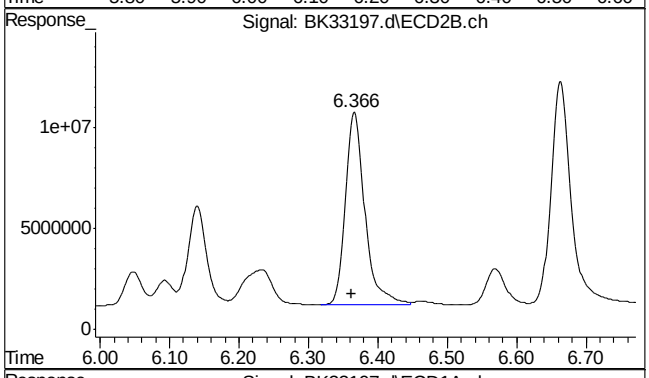
#6 AR1016-E

R.T.: 4.691 min
Delta R.T.: 0.003 min
Response: 132533743
Conc: 661.97 m



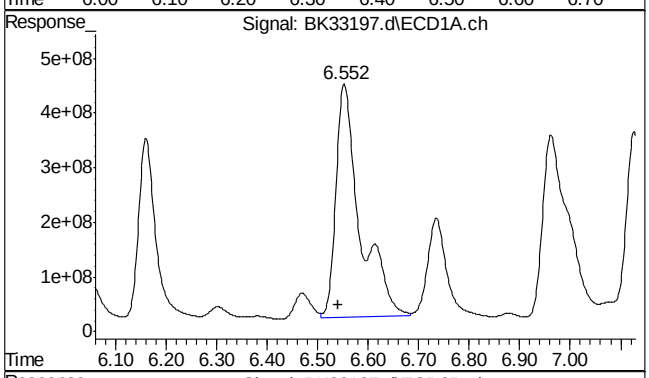
#7 AR1260-A

R.T.: 6.159 min
Delta R.T.: 0.011 min
Response: 7788208493
Conc: 774.05 ppb m



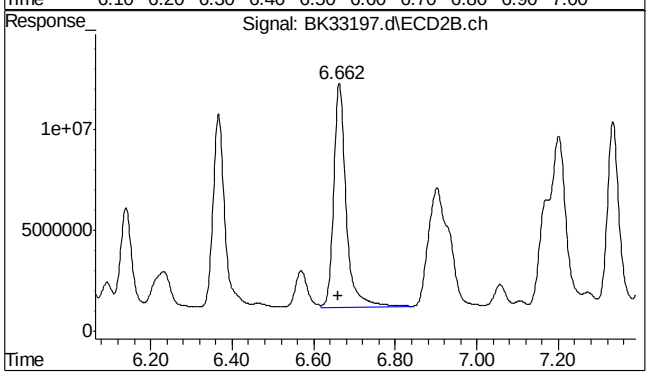
#7 AR1260-A

R.T.: 6.366 min
Delta R.T.: 0.003 min
Response: 187821331
Conc: 654.98 ppb m



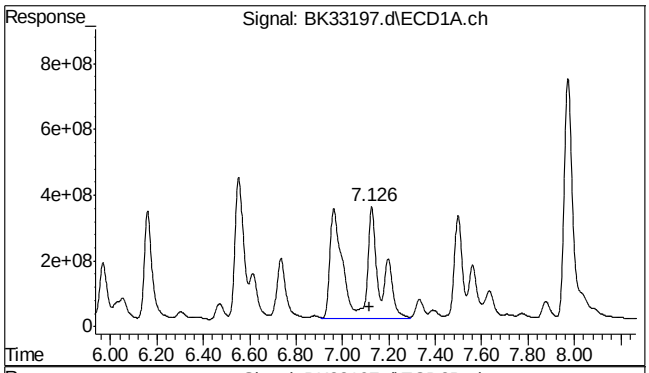
#8 AR1260-B

R.T.: 6.552 min
Delta R.T.: 0.011 min
Response: 14084885521
Conc: 785.98 ppb m



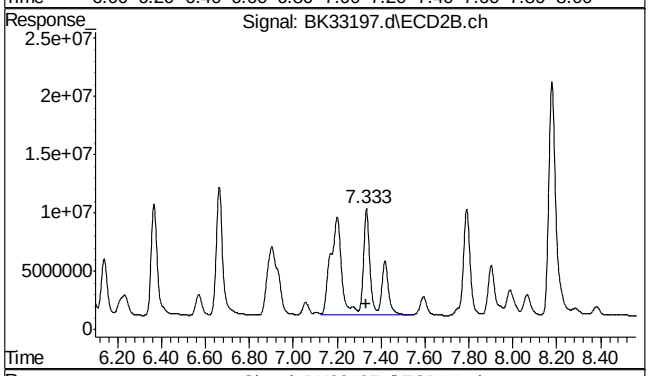
#8 AR1260-B

R.T.: 6.662 min
Delta R.T.: 0.003 min
Response: 232115366
Conc: 673.11 ppb m



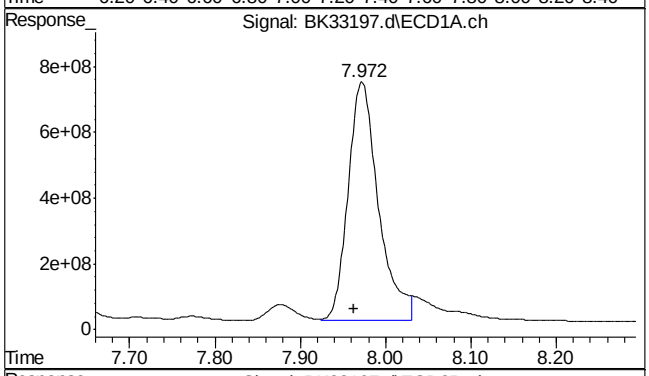
#9 AR1260-C

R.T.: 7.126 min
Delta R.T.: 0.010 min
Response: 25027255021
Conc: 799.04 ppb m



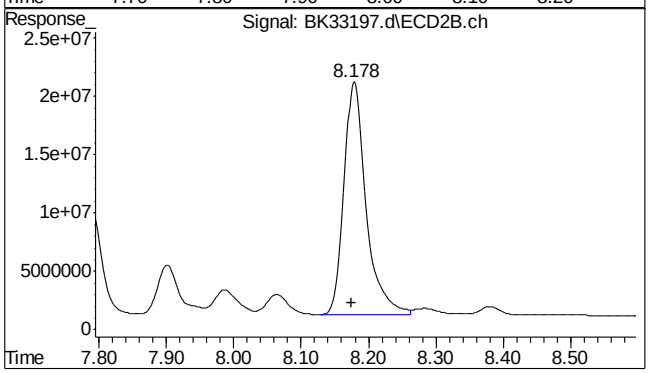
#9 AR1260-C

R.T.: 7.333 min
Delta R.T.: 0.003 min
Response: 583872210
Conc: 670.96 ppb m



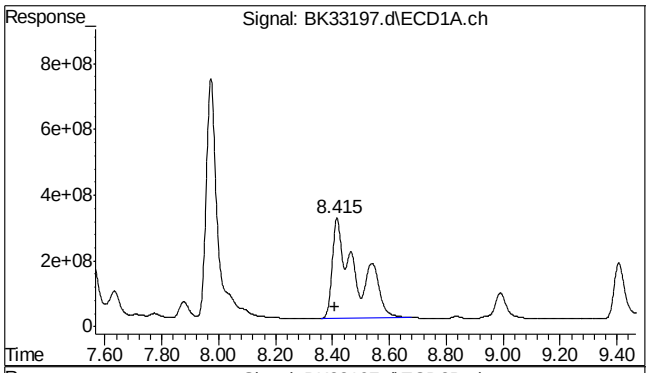
#10 AR1260-D

R.T.: 7.972 min
Delta R.T.: 0.009 min
Response: 17823111406
Conc: 849.03 ppb m



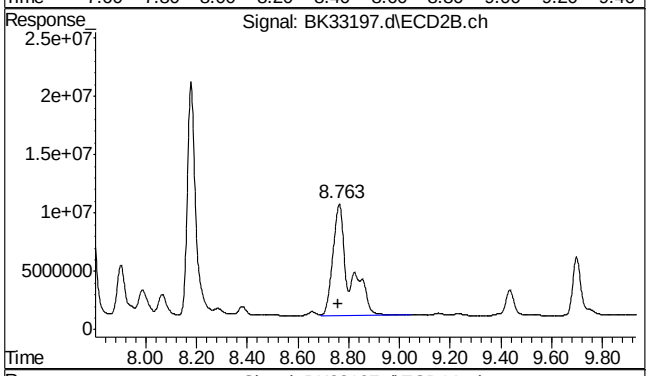
#10 AR1260-D

R.T.: 8.178 min
Delta R.T.: 0.003 min
Response: 441429649
Conc: 708.12 ppb m



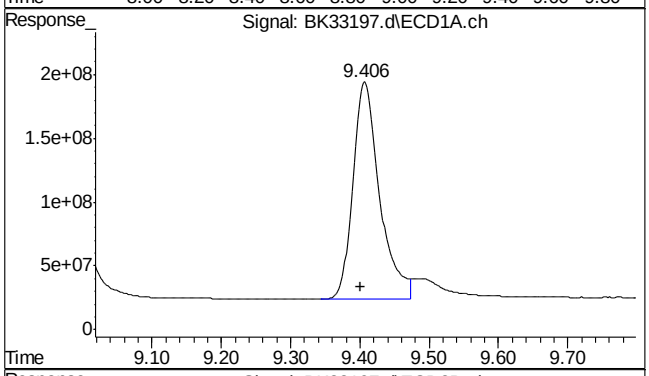
#11 AR1260-E

R.T.: 8.415 min
Delta R.T.: 0.007 min
Response: 18046265426
Conc: 797.17 ppb m



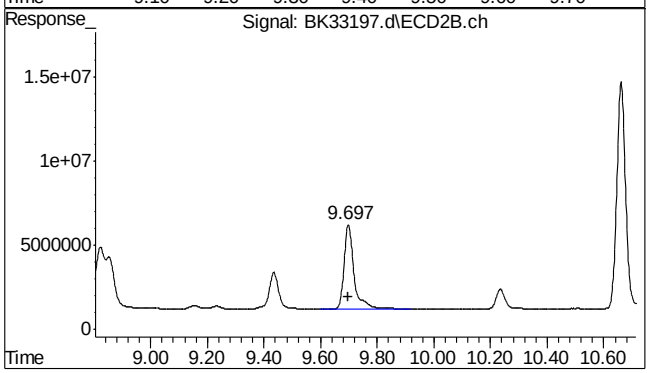
#11 AR1260-E

R.T.: 8.763 min
Delta R.T.: 0.003 min
Response: 428322575
Conc: 687.91 ppb m



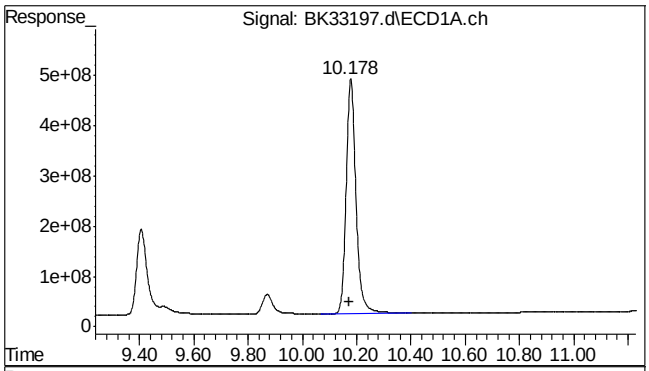
#12 AR1260-F

R.T.: 9.406 min
Delta R.T.: 0.005 min
Response: 4578697353
Conc: 828.47 m



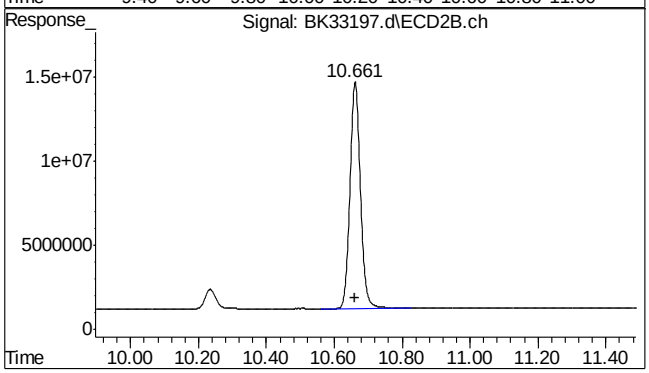
#12 AR1260-F

R.T.: 9.698 min
Delta R.T.: 0.001 min
Response: 121037601
Conc: 692.42



#13 DCB

R.T.: 10.179 min
Delta R.T.: 0.005 min
Response: 11763314933
Conc: 58.48 ppb



#13 DCB

R.T.: 10.662 min
Delta R.T.: 0.000 min
Response: 290066335
Conc: 51.17 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
12/17/13 13:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131217\
Data File : BK33208.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Dec 2013 11:43 am
Operator : andrip
Sample : cc1090-750,a16/60
Misc : op36119,gbk1091,1000,,,5,,s
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 17 12:02:36 2013
Quant Method : C:\msdchem\1\METHODS\PC131217.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.805	2.703	12353.3E6	373.5E6	60.165m	62.234m
	Spiked Amount 40.000			Recovery	= 150.41%	155.59%	
13) s	DCB	10.168	10.659	13441.7E6	350.4E6	66.822m	61.819
	Spiked Amount 40.000			Recovery	= 167.06%	154.55%	
	Target Compounds						
2)	AR1016-A	3.128	3.133	2598.7E6	77069996	756.316m	769.741m
3)	AR1016-B	3.478	3.520	5311.9E6	169.2E6	695.579m	750.494
4)	AR1016-C	3.960	3.997	10792.6E6	325.9E6	855.279m	786.438m
5)	AR1016-D	4.107	4.145	8213.5E6	130.3E6	876.390m	773.195m
6)	AR1016-E	4.571	4.688	5069.3E6	154.9E6	839.778m	773.791m
7)	AR1260-A	6.144	6.362	8646.6E6	224.4E6	859.363m	782.623
8)	AR1260-B	6.537	6.659	15824.1E6	272.4E6	883.038m	789.807m
9)	AR1260-C	7.112	7.330	27384.3E6	686.3E6	874.292m	788.695m
10)	AR1260-D	7.958	8.174	19337.5E6	529.8E6	921.171m	849.914m
11)	AR1260-E	8.403	8.759	20867.8E6	515.5E6	921.810m	827.870m
12)	AR1260-F	9.397	9.695	5320.7E6	147.3E6	962.733	842.413

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

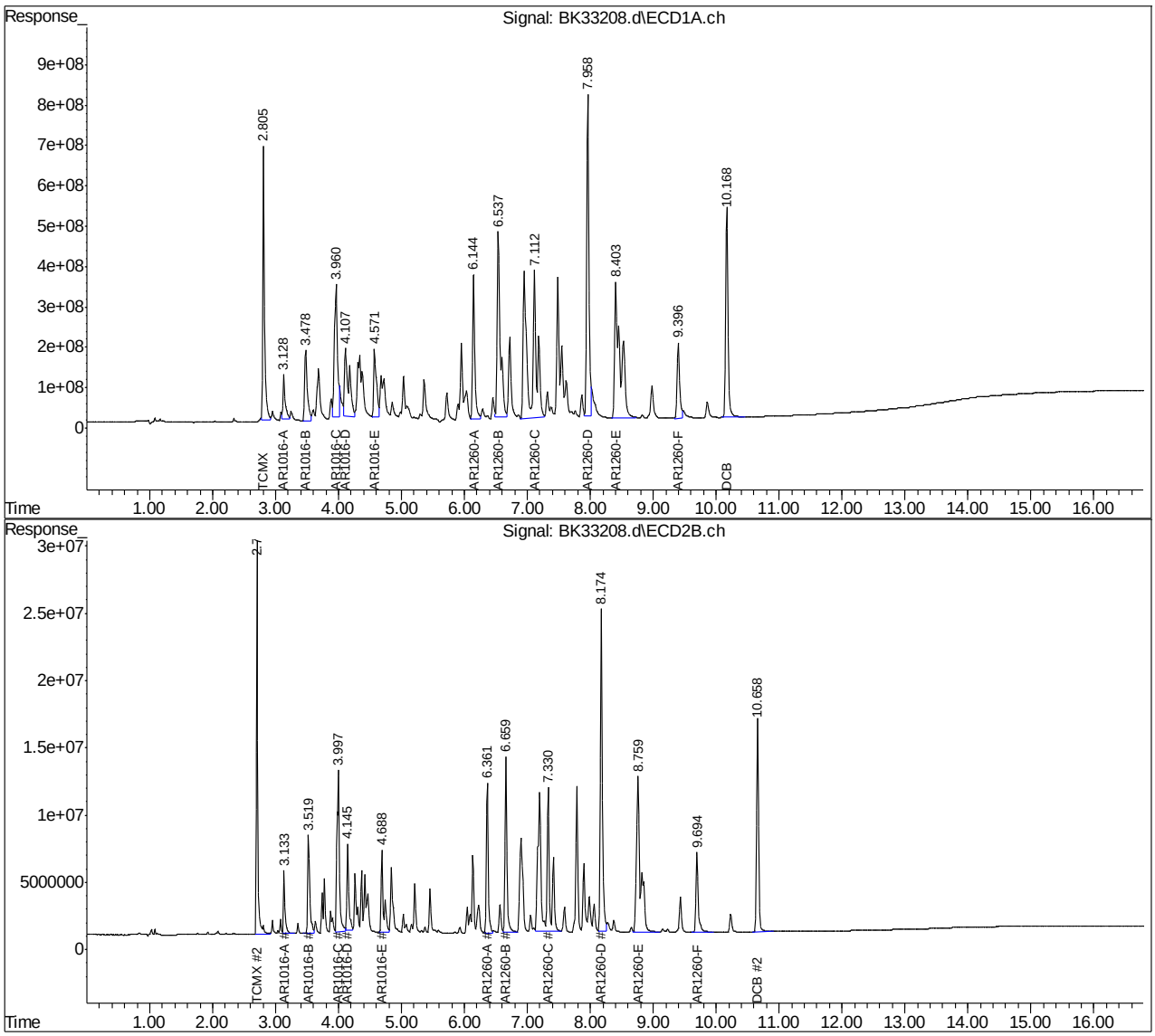
9.5.13
9

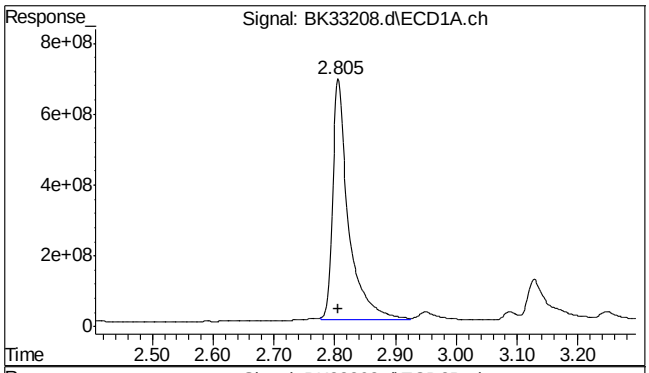
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131217\
Data File : BK33208.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Dec 2013 11:43 am
Operator : andrip
Sample : cc1090-750,a16/60
Misc : op36119,gbk1091,1000,,,5,,s
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 17 12:02:36 2013
Quant Method : C:\msdchem\1\METHODS\PC131217.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

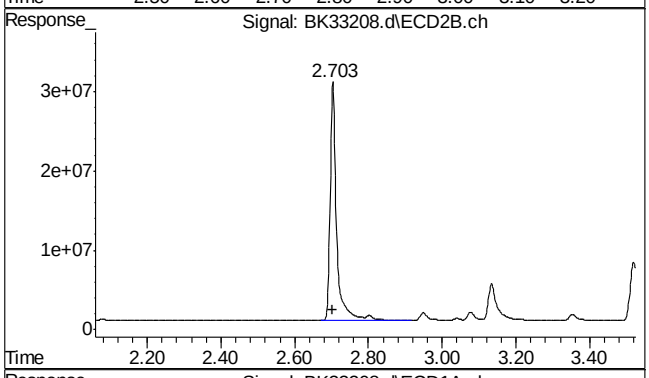
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





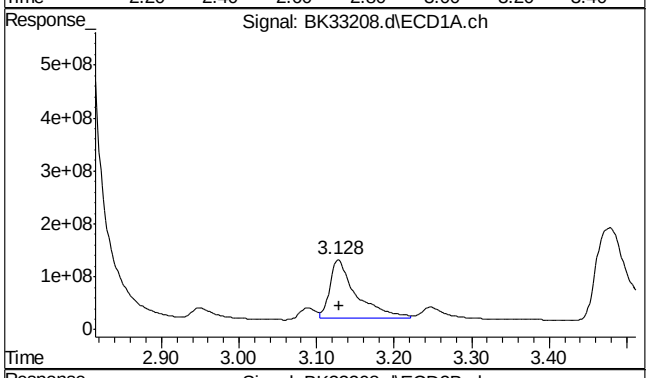
#1 TCMX

R.T.: 2.805 min
Delta R.T.: 0.000 min
Response: 12353278054
Conc: 60.17 ppb m



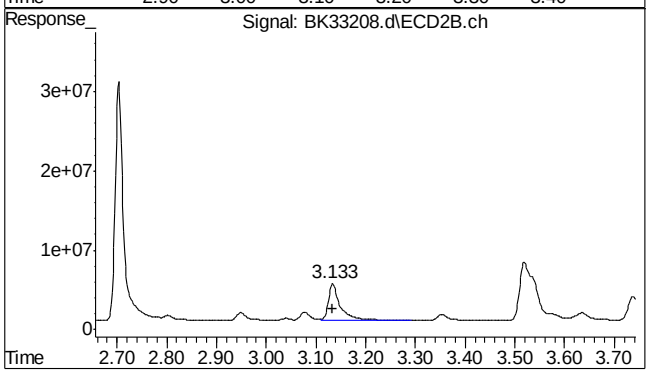
#1 TCMX

R.T.: 2.703 min
Delta R.T.: 0.000 min
Response: 373459669
Conc: 62.23 ppb m



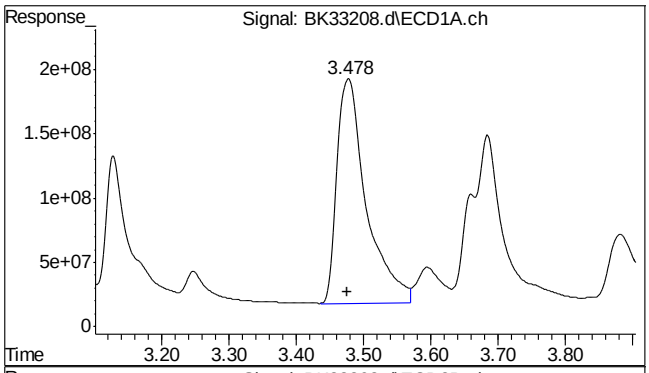
#2 AR1016-A

R.T.: 3.128 min
Delta R.T.: -0.001 min
Response: 2598699608
Conc: 756.32 ppb m



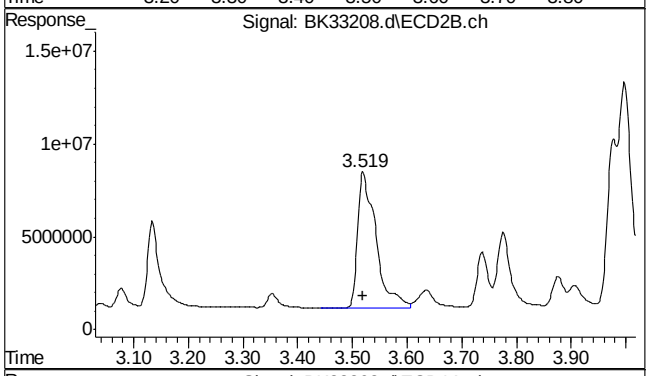
#2 AR1016-A

R.T.: 3.133 min
Delta R.T.: 0.000 min
Response: 77069996
Conc: 769.74 ppb m



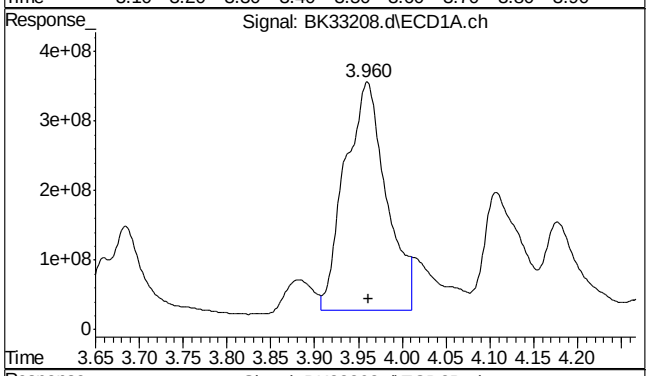
#3 AR1016-B

R.T.: 3.478 min
Delta R.T.: 0.003 min
Response: 5311942472
Conc: 695.58 ppb m



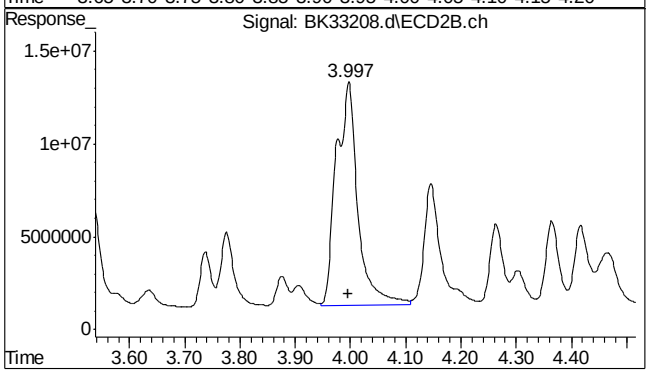
#3 AR1016-B

R.T.: 3.520 min
Delta R.T.: 0.000 min
Response: 169237388
Conc: 750.49 ppb



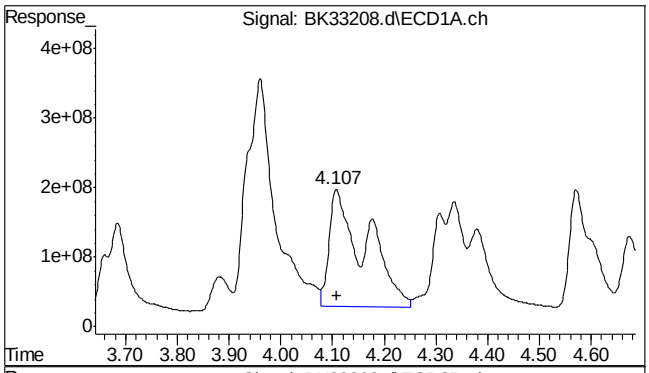
#4 AR1016-C

R.T.: 3.960 min
Delta R.T.: -0.001 min
Response: 10792623119
Conc: 855.28 ppb m



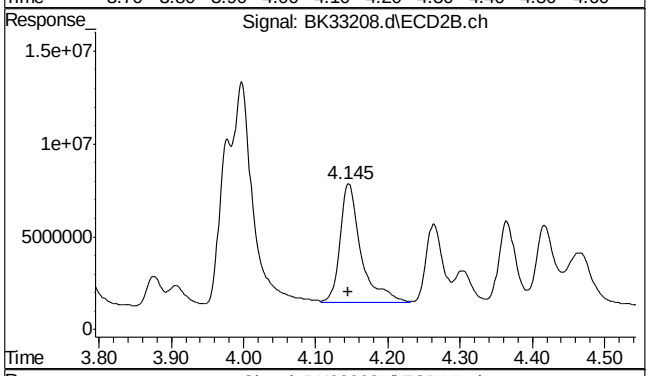
#4 AR1016-C

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 325867666
Conc: 786.44 ppb m



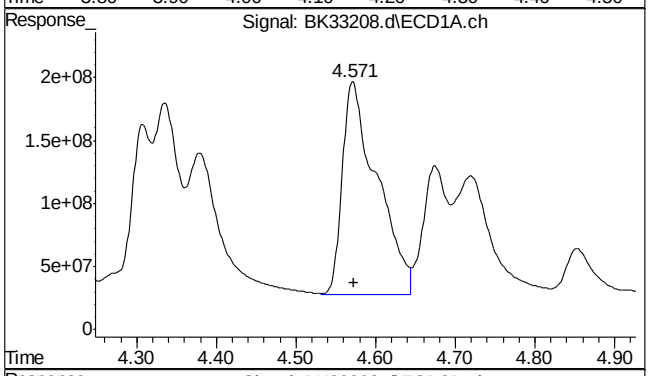
#5 AR1016-D

R.T.: 4.107 min
Delta R.T.: -0.001 min
Response: 8213546799
Conc: 876.39 m



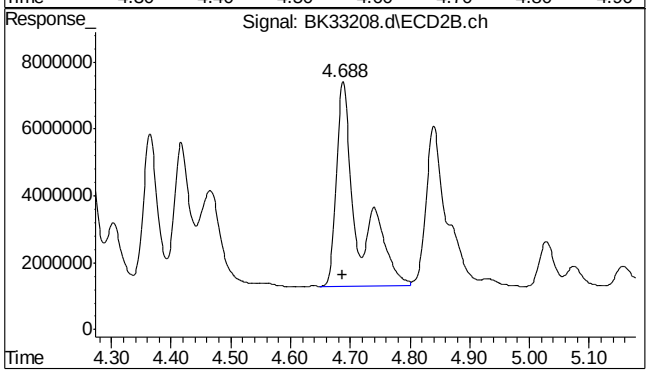
#5 AR1016-D

R.T.: 4.145 min
Delta R.T.: 0.000 min
Response: 130282282
Conc: 773.19 m



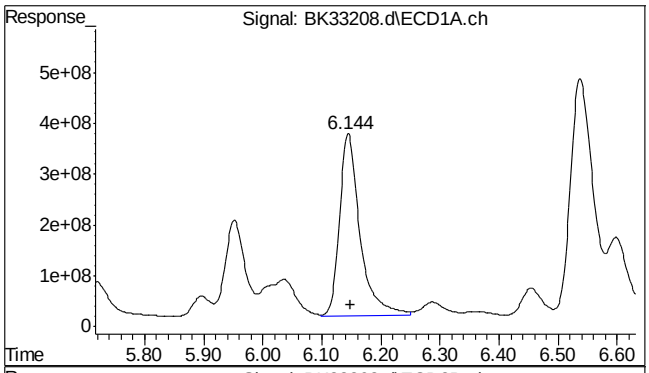
#6 AR1016-E

R.T.: 4.571 min
Delta R.T.: -0.002 min
Response: 5069294045
Conc: 839.78 m



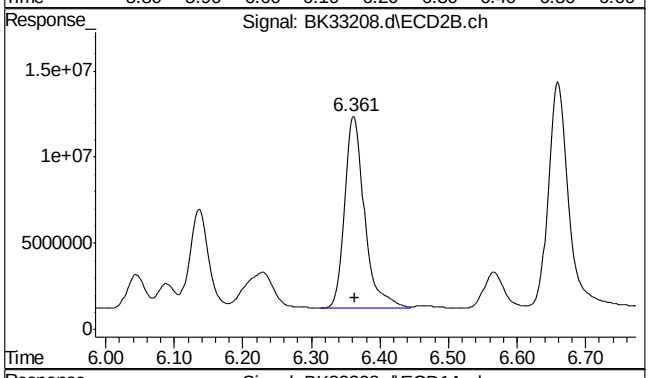
#6 AR1016-E

R.T.: 4.688 min
Delta R.T.: 0.000 min
Response: 154921882
Conc: 773.79 m



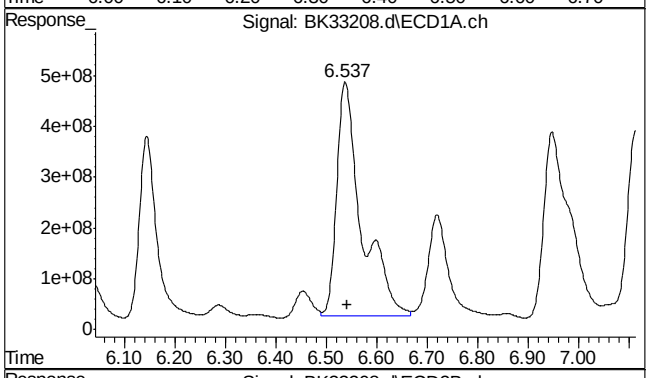
#7 AR1260-A

R.T.: 6.144 min
Delta R.T.: -0.004 min
Response: 8646600695
Conc: 859.36 ppb m



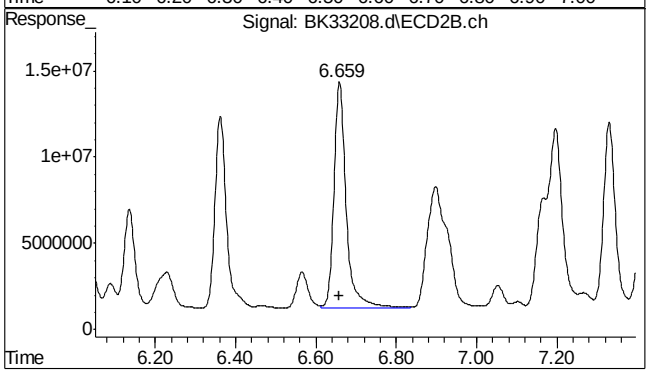
#7 AR1260-A

R.T.: 6.362 min
Delta R.T.: 0.000 min
Response: 224425576
Conc: 782.62 ppb



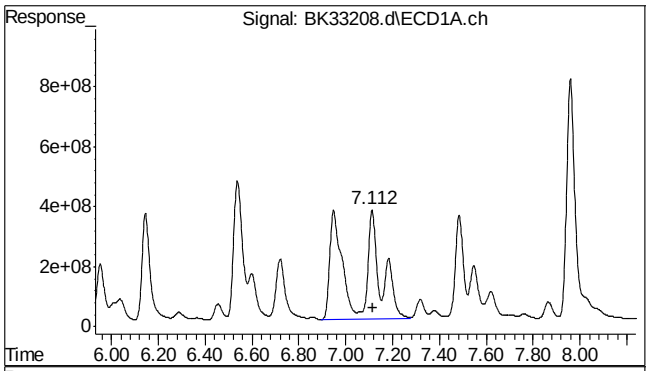
#8 AR1260-B

R.T.: 6.537 min
Delta R.T.: -0.004 min
Response: 15824123951
Conc: 883.04 ppb m



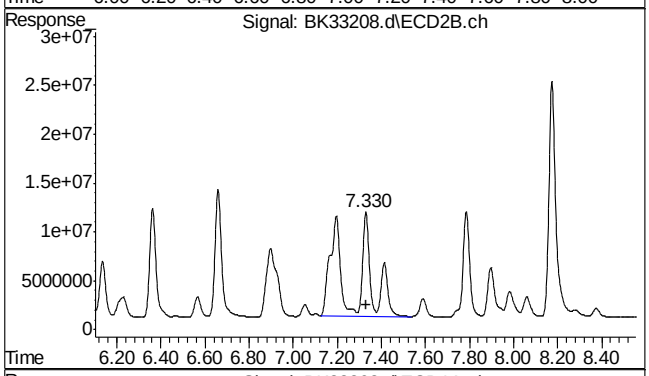
#8 AR1260-B

R.T.: 6.659 min
Delta R.T.: 0.000 min
Response: 272357288
Conc: 789.81 ppb m



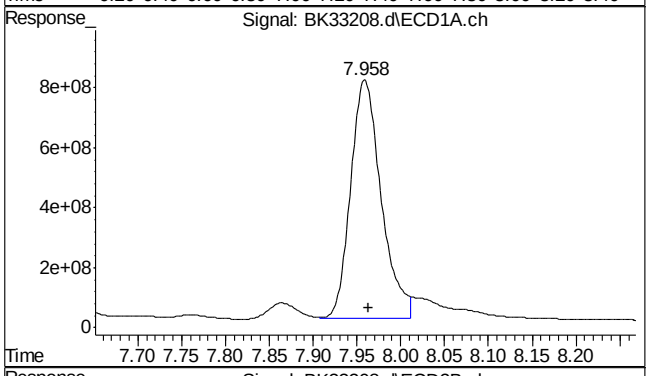
#9 AR1260-C

R.T.: 7.112 min
Delta R.T.: -0.004 min
Response: 27384259056
Conc: 874.29 ppb m



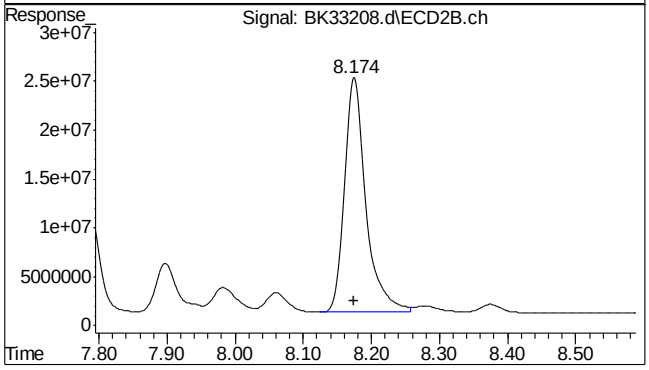
#9 AR1260-C

R.T.: 7.330 min
Delta R.T.: 0.000 min
Response: 686327986
Conc: 788.69 ppb m



#10 AR1260-D

R.T.: 7.958 min
Delta R.T.: -0.005 min
Response: 19337495194
Conc: 921.17 ppb m

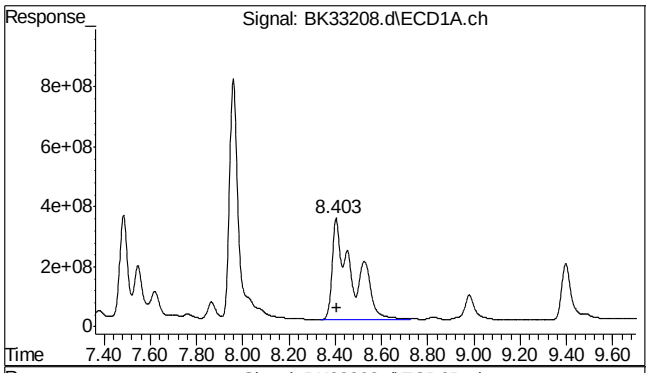


#10 AR1260-D

R.T.: 8.174 min
Delta R.T.: 0.000 min
Response: 529824508
Conc: 849.91 ppb m

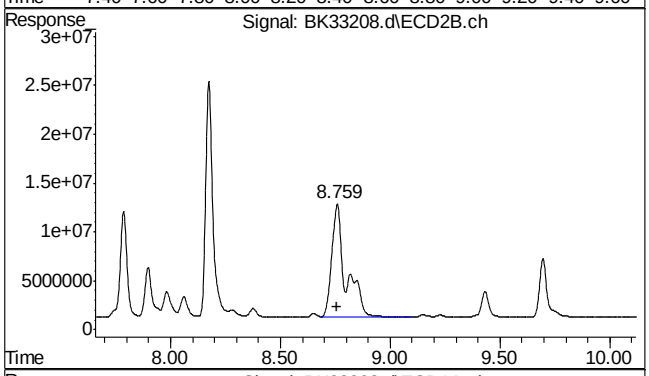
9.5.13

9



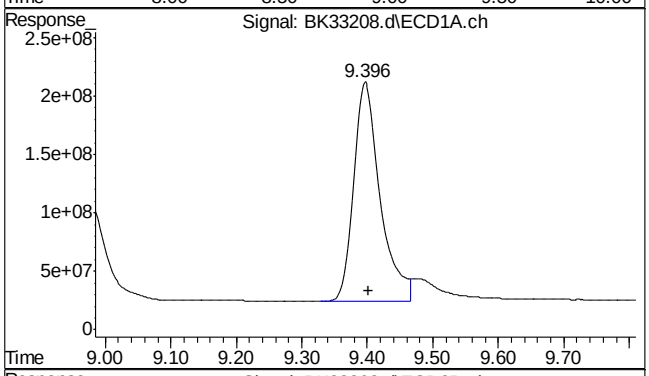
#11 AR1260-E

R.T.: 8.403 min
Delta R.T.: -0.005 min
Response: 20867833152
Conc: 921.81 ppb m



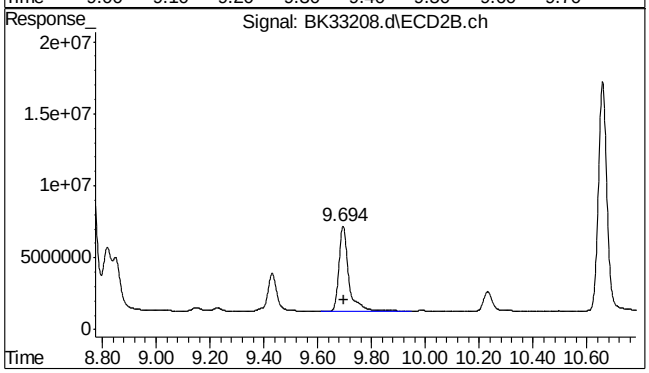
#11 AR1260-E

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 515466168
Conc: 827.87 ppb m



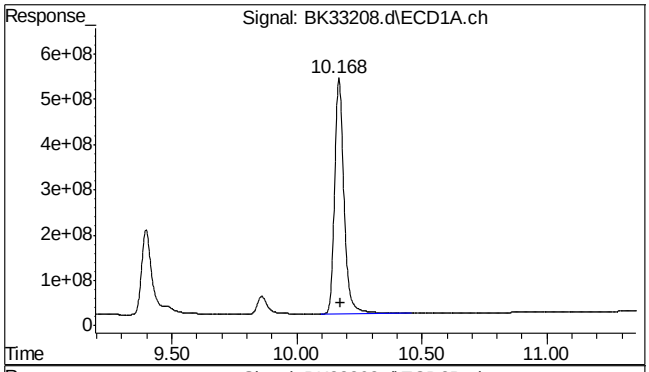
#12 AR1260-F

R.T.: 9.397 min
Delta R.T.: -0.004 min
Response: 5320741987
Conc: 962.73



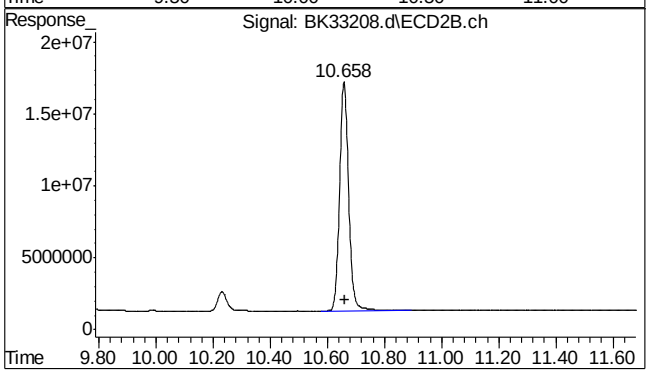
#12 AR1260-F

R.T.: 9.695 min
Delta R.T.: -0.002 min
Response: 147255992
Conc: 842.41



#13 DCB

R.T.: 10.168 min
Delta R.T.: -0.006 min
Response: 13441650788
Conc: 66.82 ppb m



#13 DCB

R.T.: 10.659 min
Delta R.T.: -0.002 min
Response: 350409615
Conc: 61.82 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
12/17/13 16:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131217\
Data File : BK33217.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Dec 2013 3:26 pm
Operator : andrip
Sample : ecc1090-750,a16/60
Misc : op36119,gbk1091,1000,,,5,,s
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 17 15:45:11 2013
Quant Method : C:\msdchem\1\METHODS\PC131217.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.821	2.707	11579.0E6	329.2E6	56.394m	54.855m
	Spiked Amount 40.000			Recovery	= 140.99%	137.14%	
13) s	DCB	10.184	10.664	11311.1E6	287.9E6	56.231	50.794
	Spiked Amount 40.000			Recovery	= 140.58%	126.98%	
	Target Compounds						
2)	AR1016-A	3.144	3.138	2598.2E6	66703447	756.157m	666.205
3)	AR1016-B	3.495	3.523	4699.2E6	150.2E6	615.347m	666.186m
4)	AR1016-C	3.978	4.001	10713.5E6	292.9E6	849.012m	706.814m
5)	AR1016-D	4.125f	4.149	8157.9E6	121.3E6	870.448m	720.036m
6)	AR1016-E	4.589f	4.692	4769.8E6	142.3E6	790.169m	710.840m
7)	AR1260-A	6.163	6.367	7563.2E6	200.2E6	751.690m	698.158
8)	AR1260-B	6.555	6.663	13765.9E6	241.9E6	768.181m	701.548m
9)	AR1260-C	6.965f	7.335	23886.7E6	606.9E6	762.626m	697.413m
10)	AR1260-D	7.976	8.179	17187.5E6	465.7E6	818.753m	747.110
11)	AR1260-E	8.420	8.763	17780.4E6	439.3E6	785.429m	705.486m
12)	AR1260-F	9.411	9.700	4438.1E6	121.6E6	803.025	695.608

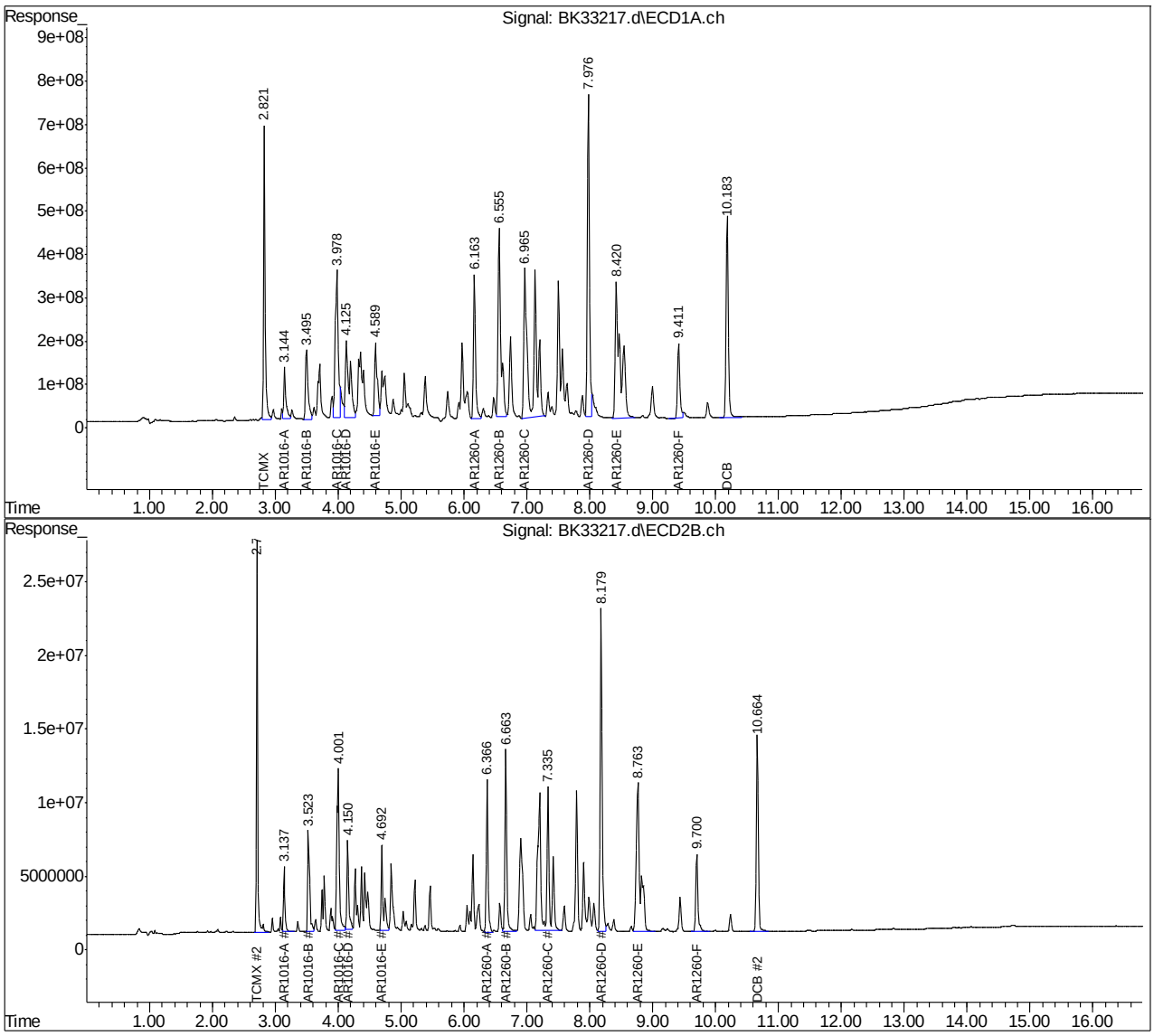
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

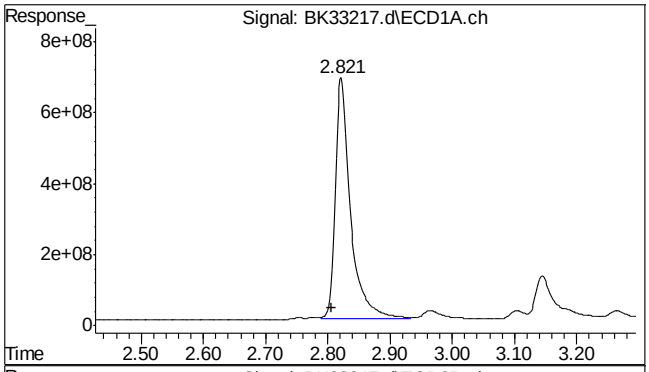
Data Path : C:\msdchem\1\DATA\BK131217\
Data File : BK33217.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Dec 2013 3:26 pm
Operator : andrip
Sample : ecc1090-750,a16/60
Misc : op36119,gbk1091,1000,,,5,,s
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 17 15:45:11 2013
Quant Method : C:\msdchem\1\METHODS\PC131217.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

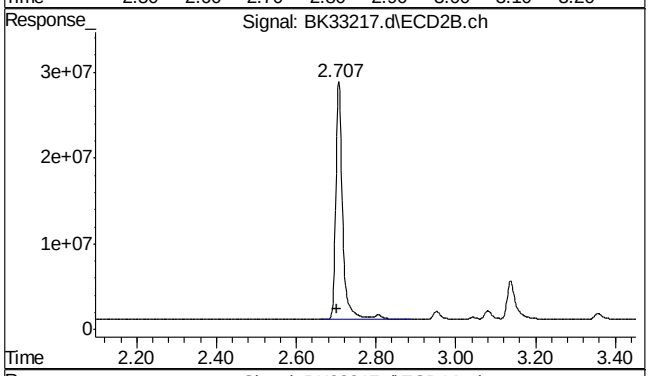


ACCUTEST LABORATORIES MC27081



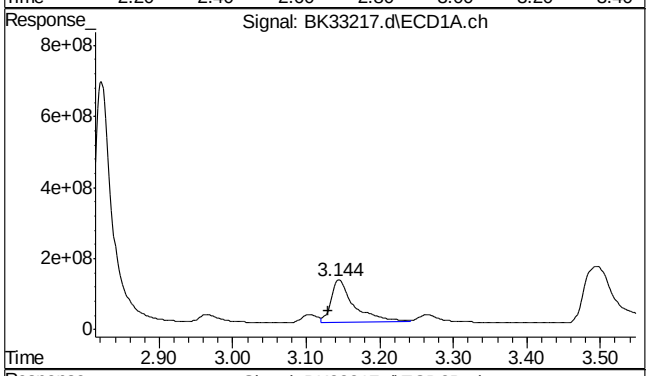
#1 TCMX

R.T.: 2.821 min
Delta R.T.: 0.015 min
Response: 11579035405
Conc: 56.39 ppb m



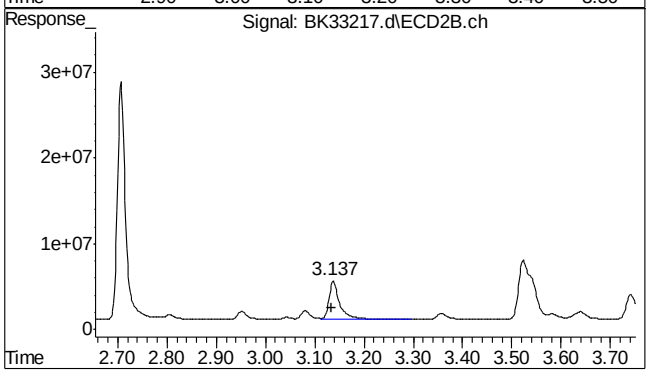
#1 TCMX

R.T.: 2.707 min
Delta R.T.: 0.004 min
Response: 329176868
Conc: 54.85 ppb m



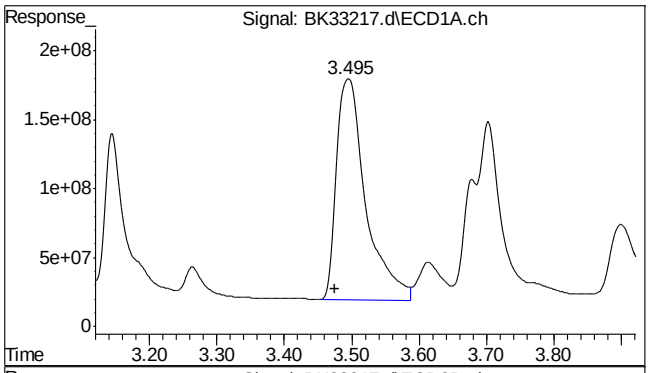
#2 AR1016-A

R.T.: 3.144 min
Delta R.T.: 0.015 min
Response: 2598152400
Conc: 756.16 ppb m



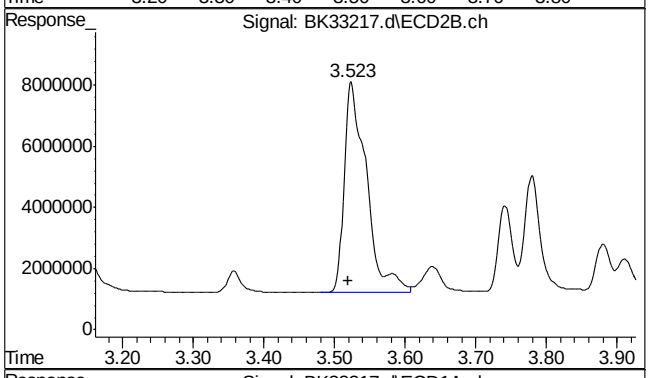
#2 AR1016-A

R.T.: 3.138 min
Delta R.T.: 0.005 min
Response: 66703447
Conc: 666.20 ppb



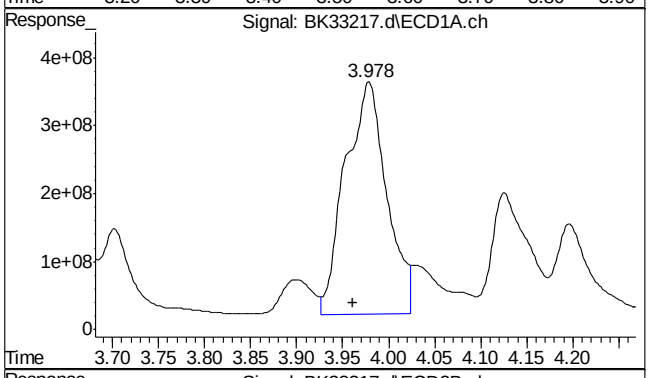
#3 AR1016-B

R.T.: 3.495 min
Delta R.T.: 0.020 min
Response: 4699236156
Conc: 615.35 ppb m



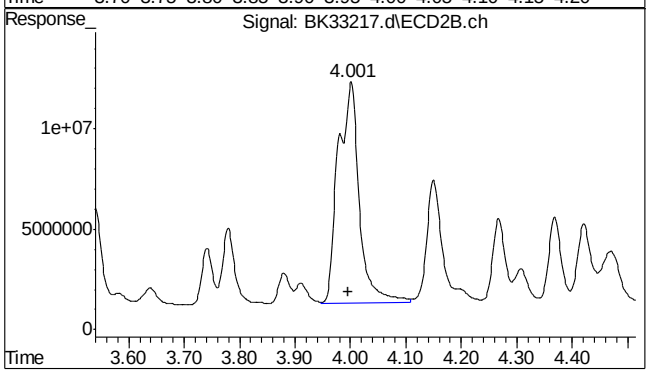
#3 AR1016-B

R.T.: 3.523 min
Delta R.T.: 0.003 min
Response: 150225946
Conc: 666.19 ppb m



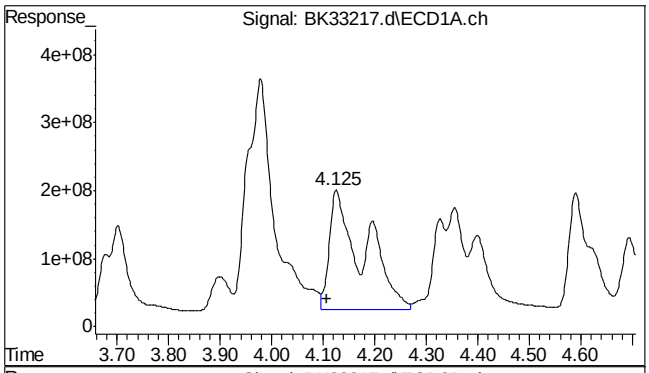
#4 AR1016-C

R.T.: 3.978 min
Delta R.T.: 0.017 min
Response: 10713542513
Conc: 849.01 ppb m



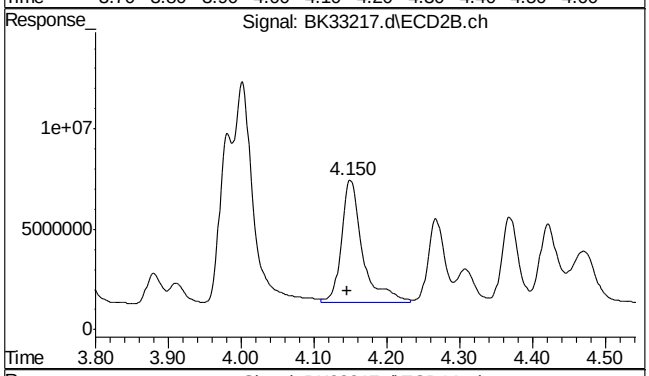
#4 AR1016-C

R.T.: 4.001 min
Delta R.T.: 0.004 min
Response: 292874804
Conc: 706.81 ppb m



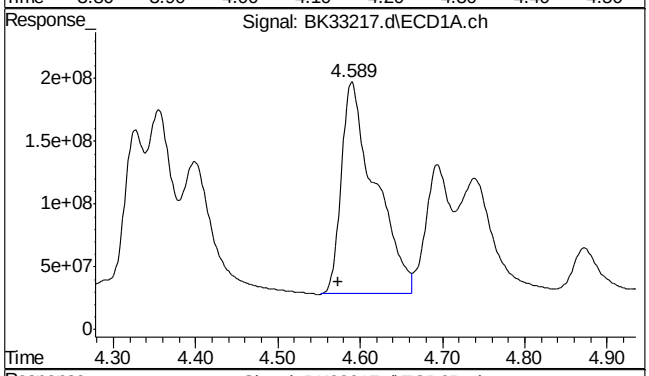
#5 AR1016-D

R.T.: 4.125 min
Delta R.T.: 0.017 min
Response: 8157854723
Conc: 870.45 m



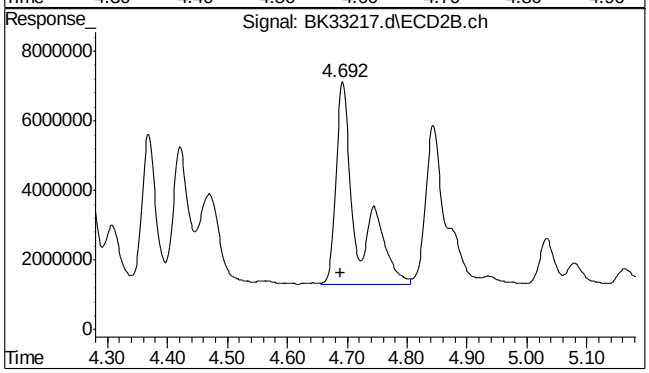
#5 AR1016-D

R.T.: 4.149 min
Delta R.T.: 0.005 min
Response: 121325097
Conc: 720.04 m



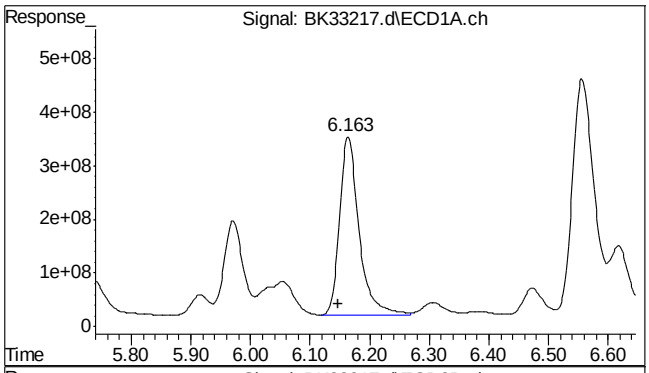
#6 AR1016-E

R.T.: 4.589 min
Delta R.T.: 0.016 min
Response: 4769833564
Conc: 790.17 m



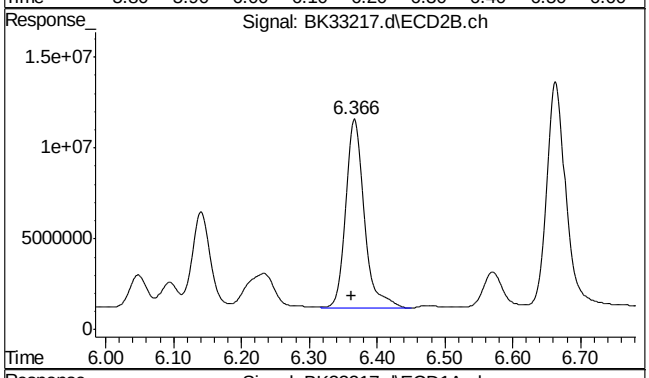
#6 AR1016-E

R.T.: 4.692 min
Delta R.T.: 0.004 min
Response: 142318416
Conc: 710.84 m



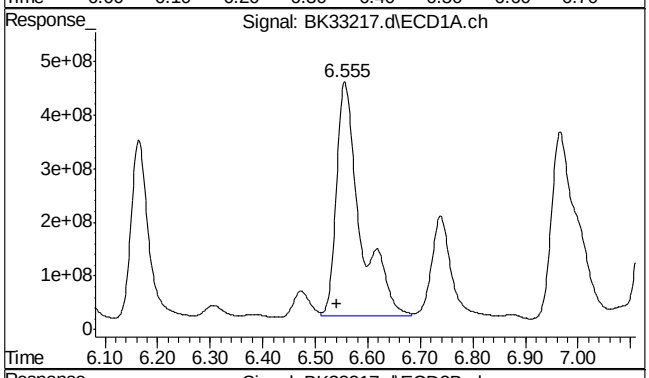
#7 AR1260-A

R.T.: 6.163 min
Delta R.T.: 0.015 min
Response: 7563234841
Conc: 751.69 ppb m



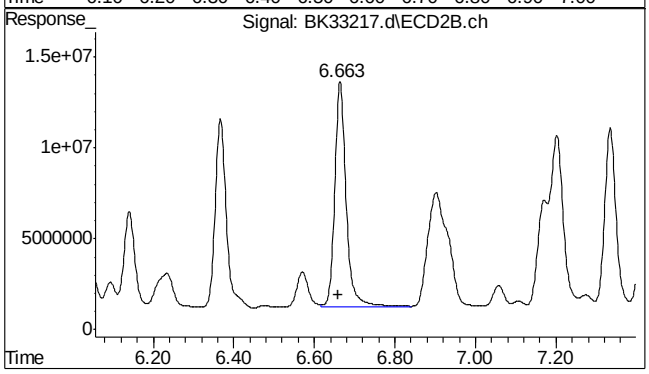
#7 AR1260-A

R.T.: 6.367 min
Delta R.T.: 0.004 min
Response: 200204316
Conc: 698.16 ppb



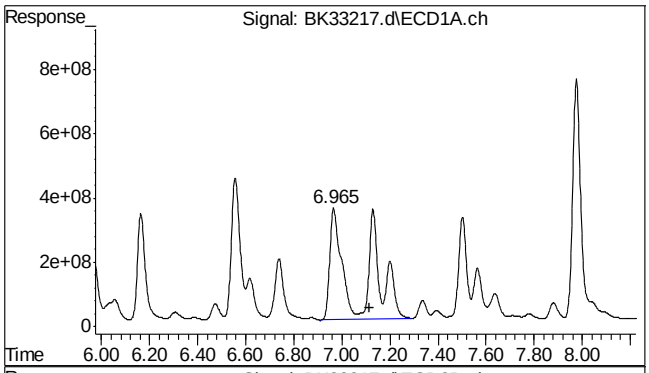
#8 AR1260-B

R.T.: 6.555 min
Delta R.T.: 0.014 min
Response: 13765880930
Conc: 768.18 ppb m



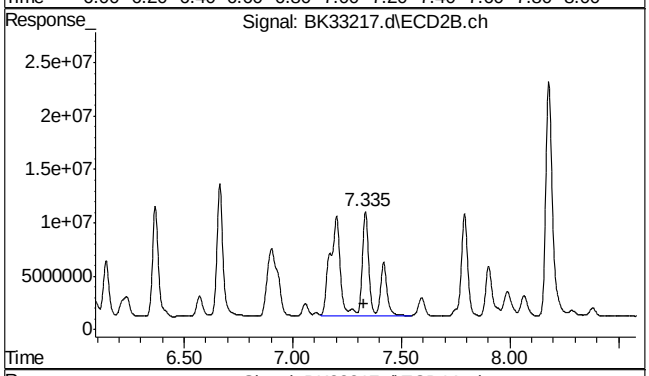
#8 AR1260-B

R.T.: 6.663 min
Delta R.T.: 0.004 min
Response: 241922082
Conc: 701.55 ppb m



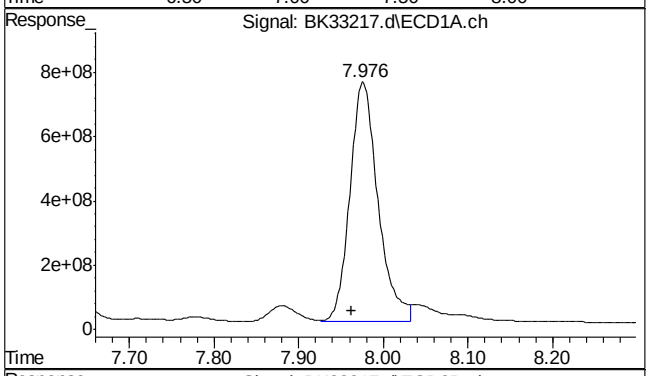
#9 AR1260-C

R.T.: 6.965 min
Delta R.T.: -0.151 min
Response: 23886679689
Conc: 762.63 ppb m



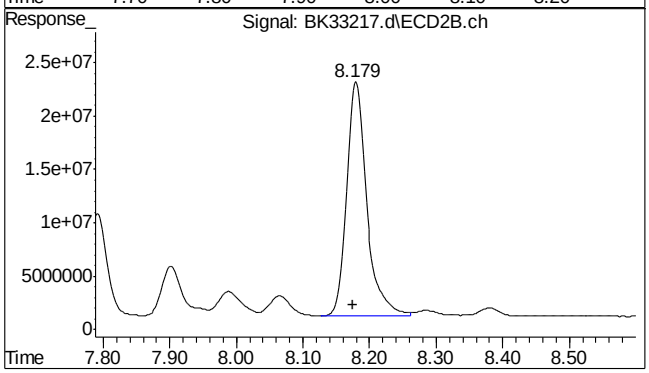
#9 AR1260-C

R.T.: 7.335 min
Delta R.T.: 0.005 min
Response: 606893938
Conc: 697.41 ppb m



#10 AR1260-D

R.T.: 7.976 min
Delta R.T.: 0.013 min
Response: 17187504051
Conc: 818.75 ppb m

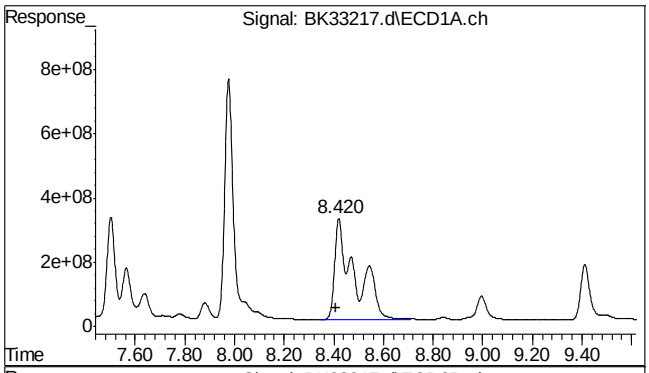


#10 AR1260-D

R.T.: 8.179 min
Delta R.T.: 0.004 min
Response: 465737805
Conc: 747.11 ppb

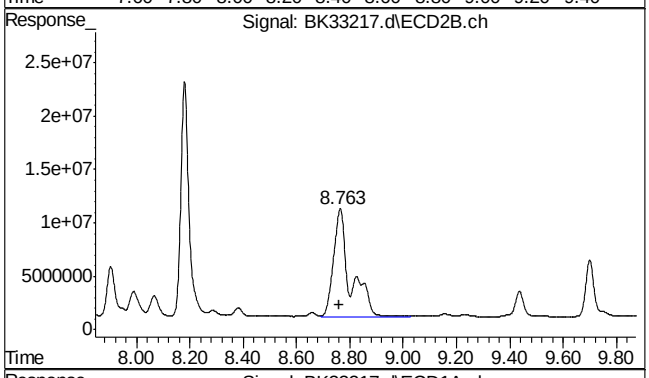
9.5.14

9



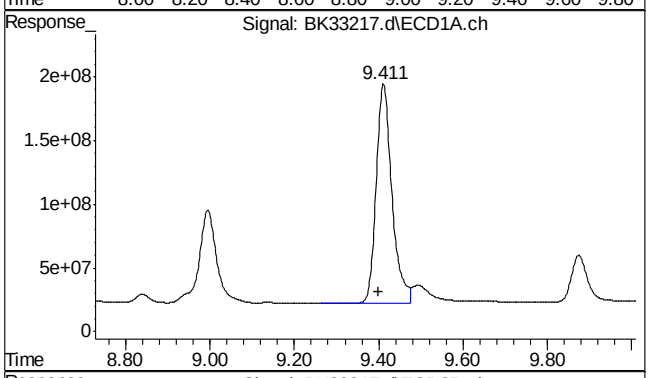
#11 AR1260-E

R.T.: 8.420 min
Delta R.T.: 0.012 min
Response: 17780444456
Conc: 785.43 ppb m



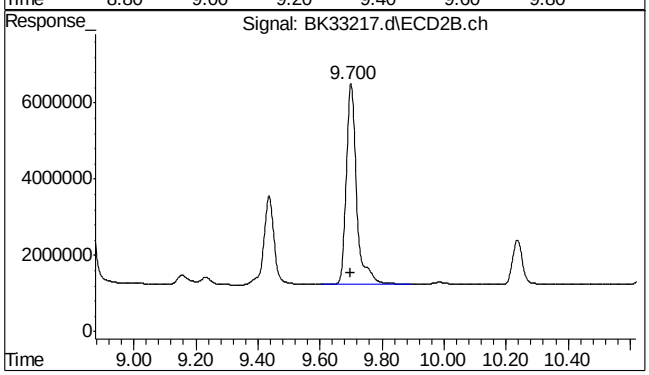
#11 AR1260-E

R.T.: 8.763 min
Delta R.T.: 0.003 min
Response: 439264406
Conc: 705.49 ppb m



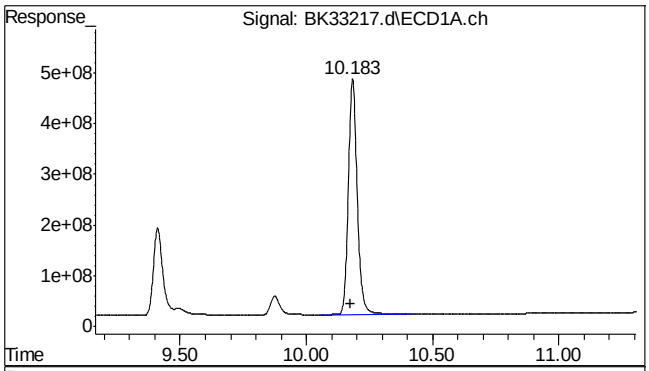
#12 AR1260-F

R.T.: 9.411 min
Delta R.T.: 0.010 min
Response: 4438081382
Conc: 803.02



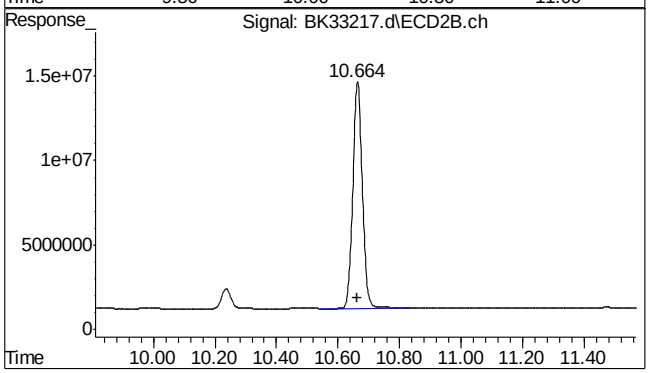
#12 AR1260-F

R.T.: 9.700 min
Delta R.T.: 0.003 min
Response: 121594117
Conc: 695.61



#13 DCB

R.T.: 10.184 min
Delta R.T.: 0.010 min
Response: 11311097077
Conc: 56.23 ppb



#13 DCB

R.T.: 10.664 min
Delta R.T.: 0.003 min
Response: 287916381
Conc: 50.79 ppb

9.5.14

9

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 12-16-13 Analyst Signature: NK pg 1 of 3

Standard Data

Lot #	Description	Conc
GS17181	A16/60	750 ug/L

Column Information: Front : Pest RTX-5 Alternate:
Rear : Pest2 RTX-5 Alternate:
Sequence File: 131216
Quantitation Methods: PC131216
Instrument Run Batches: GBK1090
Data Acquisition Methods: GC31PCB Inj. Vol: 1 ul
Inj. Vol:

Date of ICAL: 12-16-13 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
62	BK33129	A16/60	NA	P8082	NA	NA	Primaster maintenance
51	30	ICV1090-1000					A16/60 GS17180
52	31	-750					181
53	32	-500					182
54	33	-250					183
55	34	-100					184
56	35	-50					185
57	36	-500					A21/54 247
58	37	-500					A32/62 248
59	38	-500					A43/68 249
60	39	-500					A48 250
61	40	ICV1090-500					A16/60 186 ICV OK
1	41	OP36096-MB	OP36096		S		
2	42	-BS					
3	43	-MS					
4	44	-MSD					
5	45	MC26897-22					
6	46	-21					
7	47	-23					
8	48	MC26713-16					
52	49	CC1090-750					A16/60 OK
17	50	GC31-IB	OP36176				Instrument Blank
18	51	MC27014-2					
19	52	-2				1:500	
9	53	MC26713-17	OP36096			NA	
10	54	-18					
20	55	OP36190-MB	OP36190				

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Fischer Hex Lot#: 135509

GC014-01
Date: 9/15/10

Review:

ACCUTEST LABORATORIES MC27081

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 12.16.13 **Analyst Signature:** NK pg 2 of 3

Standard Data

Lot #	Description	Conc
	SEE PAGE 1	

Column Information: ~~Front : Pest RTX-5 Alternate:~~
Rear : Pest2 RTX-5 Alternate:
Sequence File:
Quantitation Methods:
Instrument Run Batches:
Data Acquisition Methods: SEE PAGE 1
Inj. Vol:
~~Inj. Vol:~~

Date of ICAL: ICAL Verified Sample positions verified against sequence:

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
21	BK33156	OP36190-BS	OP36190	P8682	S	NA	
22	57	MC27048-1					
23	58	-2					
24	59	-5					Rerun 1:10
100	60	CC1090-750					A16160 OK
25	61	MC27048-6					Rerun 1:10
26	62	-7					
27	63	MC27089-1					
28	64	-2					
29	65	-3					
30	66	-4					
31	67	-5					
32	68	-6					
33	69	OP36190-MS					
34	70	-MSD					
100	71	CC1090-750					A16160 OK
35	72	OP36200-MB	OP36200				
36	73	-BS					
37	74	MC27086-4					
38	75	-5					
39	76	-6					
40	77	-7					
41	78	-8					
42	79	-9					
43	80	-10					
44	81	MC27088-2					
99	82	CC1090-750					A16160 OK

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC014-01
Date: 9/15/10

Review:

ACCUTEST LABORATORIES MC27081

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 12-16-13 Analyst Signature: NK pg 3 of 3

Standard Data

Lot #	Description	Conc

SEE PAGE 1

Column Information: ~~Front : Pest RTX-5 Alternate:~~
Rear : Pest2 RTX-5 Alternate:
Sequence File:
Quantitation Methods:
Instrument Run Batches:
Data Acquisition Methods:
Inj. Vol:
Inj. Vol:

SEE PAGE 1

Date of ICAL: ICAL Verified Sample positions verified against sequence:

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
45	BK33183	MC27088-7	OP36200	P8082	S	NA	
46	84	-8					
47	85	-9					
48	86	-14					
49	87	MC27068-14					
50	88	-15					
99	89	CC1090-750					A16/60 OK(sig 1)
11	90	OP36219-MB	OP36219		O		
12	91	-BS					
13	92	MC27145-2					
14	93	-1					
15	94	OP36219-MS					
16	95	-MSD					
52	96	ECC1096-750					A16/60 OK(sig)

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

GC014-01
Date: 9/15/10

Review:

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33150.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 2:52 pm
Operator : andrip
Sample : GC31-IB
Misc : op36176,gbk1090,15,,,10,,s
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 15:57:24 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) s TCMX	2.815	2.705	7483.1E6	213.3E6	36.445	35.548
Spiked Amount 40.000			Recovery	=	91.11%	88.87%
13) s DCB	10.180	10.662	6806.7E6	197.4E6	33.838	34.829
Spiked Amount 40.000			Recovery	=	84.59%	87.07%
Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9.6.1

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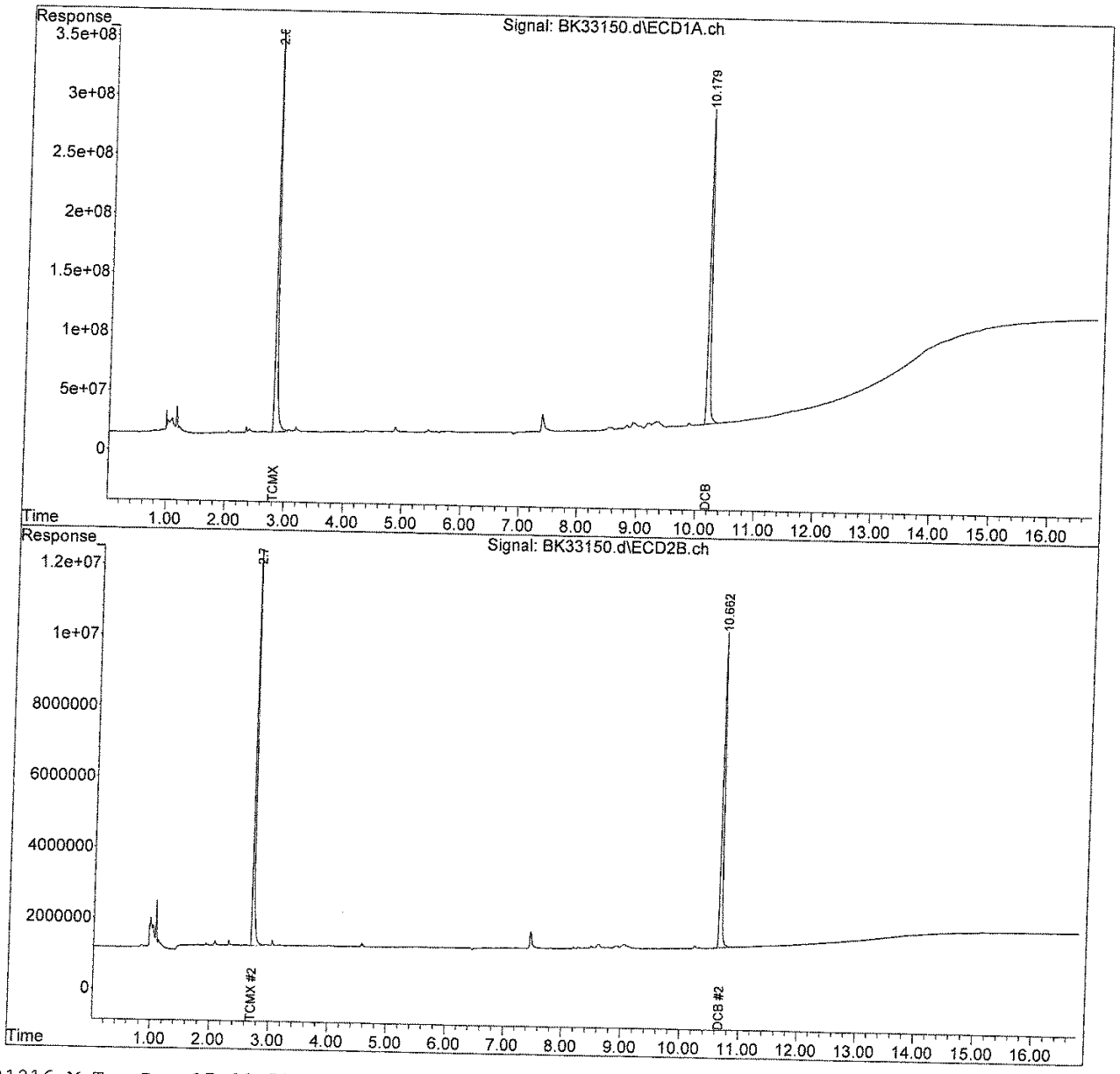
Data Path : C:\msdchem\1\DATA\BK131216\
Data File : BK33150.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2013 2:52 pm
Operator : andrip
Sample : GC31-IB
Misc : op36176,gbk1090,15,,,10,,s
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 16 15:57:24 2013
Quant Method : C:\msdchem\1\METHODS\PC131216.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Mon Dec 16 14:10:13 2013
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 12-17-13 Analyst Signature: NK

Standard Data

Lot #	Description	Conc
6517181	A16/60	750 ng/L

Column Information: Front : Pest RTX-5 Alternate:
Rear : Pest2 RTX-5 Alternate:
Sequence File: 131217
Quantitation Methods: PC131217
Instrument Run Batches: GBK1091
Data Acquisition Methods: GC31PCB Inj. Vol: 1 µl
Inj. Vol:

Date of ICAL: 12-16-13 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
100	BK33197	CC1090-750	OP36184	P80B2	W	NA	A16/60 OK
101	98	OP36184-MB					Rep Sig 2
102	99	-BS					
103	BK33200	MC27055-2					
104	01	MC27053-2					
105	02	-3					
106	03	-4					
107	04	-5					
108	05	OP36184-MS					
109	06	-MSD					
110	07	-TAP					MC27008-16
100	08	CC1090-750					A16/60 OK(Sig2)
111	09	MC27086-2					Rep Sig2
112	10	MC27088-3					MC27081-3
113	11	MC27088-15					
114	12	-17					
115	13	MC27048-5	OP36190		S	1:10	
116	14	-6					
117	15	-7					
118	16	MC27167-1	OP36219		O	NA	
100	17	CC1090-750					A16/60 OK

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Fisher Hex Lot#: 135509

GC014-01
Date: 9/15/10

Review:

ACCUTEST LABORATORIES MC27081

ACCUTEST LABORATORIES

Extracted by: MT (TA, MT, MD) Date/Time: 12/12/13 16:30
Spike Witness: MD (MD) Date/Time: 12/13/13 15:00
Concentrated by: FE 12/16/2013 Batch: OP 36184
Fractionated by: Matrix: Aqueous
Extraction Method: SW846 3510C Analysis Method: PB082 RCP/PB082 RCB

pH paper lot: C-396

Sample	Spike Addition Check (ID)	Bottle No.	Initial Volume (ml)	Final Volume (ml)	Acid pH	Base pH	*Cleanup/Comments (3660B, 3630, 3665, other)	Received by: Date:
OP 36184 MB	✓	N14	1000	5 ml	7	7		12-17-13
↳ BS	✓	↓	↓					
MC24053-5	✓	2	1000					
MC27008-16MS	✓	N/A			9	7		
↳ -16MSD	✓							
↳ -16	✓							
MC27055-2	✓	1	800					
MC27053-2	✓	1	990					
↳ -3	✓	1	1000					
↳ -4	✓	3	800				Heavy Emulsion	
MC27086-2	✓	3	830					
MC27081-3	✓	3	830					
MC27058-15	✓	2	870					
↳ -17	✓	2	860					

TA 12/13

Fraction	Spike ID	Bottle #	Lot #	Concentration	Vol (ml)
Surrogate: PCB	1	1	P0.7040	40.0 ug/mL	50 mL
Surrogate:					
Spike: PCB	1	2	P0.7028	40.0 ug/mL	50 mL
Spike:					
Spike:					
Spike:					
Spike:					
Hexane Frac Volume:		NA	NA	NA	
Spike ID Witness Initials	MD	Filter Paper Lot #	9281	Filtered By	AT MB
Form. Deriv. Oven in time:		Out Time:			

H2SO4:	J T Baker 52420
Ether:	
MeCl2:	DS 715
Hexane:	Fisher 135511
Acetone:	
Acetonitrile:	
Na Sulfate:	B-817
Silica:	
SPE MFG	
Copper:	Aldrich 144078
Hydromatrix:	
HCL:	
NaOH:	
Florisil:	

Concentrator Temp: 40 °C
Concentrator ID: 6428-22
Tray #: GC-16
Lab Percent Humidity:
Reviewed By:

OP002-12 (03/27/13)

*Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup; 3620 = Florisil Cleanup

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9.7.1

New England ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121913W2.PRN Date Analyzed: 12/19/13 Methods: SW846 7470A
Analyst: SA Run ID: MA16566
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:47	MA16566-STD1	1		STD01REP1
09:50	MA16566-STD2	1		STD02REP1
09:55	MA16566-STD3	1		STD04REP1
09:57	MA16566-STD4	1		STD05REP1
10:00	MA16566-STD5	1		STD06REP1
10:02	MA16566-STD6	1		STD07REP1
10:04	MA16566-STD7	1		STD08REP1
10:07	MA16566-STD8	1		STD09REP1
10:10	MA16566-STD9	1		STD03REP1
11:10	MA16566-ICV1	1		
11:13	MA16566-ICB1	1		
11:15	MA16566-CCV1	1		
11:18	MA16566-CCB1	1		
11:20	MA16566-CRI1	1		
11:22	MP22268-MB1	1		
11:25	MP22268-B1	1		
11:28	MP22268-B2	1		
11:30	MP22268-S1	1		
11:33	MP22268-S2	1		
11:35	MC27035-2	1		(sample used for QC only; not part of login MC27081)
11:38	MP22268-S3	1		
11:40	MP22268-S4	1		
11:43	MC27129-6	1		(sample used for QC only; not part of login MC27081)
11:45	MA16566-CCV2	1		
11:48	MA16566-CCB2	1		
11:50	ZZZZZZ	1		
11:53	ZZZZZZ	1		
11:55	ZZZZZZ	1		
11:57	ZZZZZZ	1		
12:00	ZZZZZZ	1		
12:02	MC27081-1	1		
---------->	Last reportable sample/prep for job MC27081			
12:05	ZZZZZZ	1		
12:08	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121913W2.PRN Date Analyzed: 12/19/13 Methods: SW846 7470A
Analyst: SA Run ID: MA16566
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:10	ZZZZZZ	1		
12:12	ZZZZZZ	1		
12:15	MA16566-CCV3	1		
12:18	MA16566-CCB3	1		
12:20	ZZZZZZ	1		
12:23	ZZZZZZ	1		
12:26	ZZZZZZ	1		
12:29	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:34	ZZZZZZ	1		
12:37	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:42	MA16566-CRI2	1		
12:45	MA16566-CCV4	1		
12:47	MA16566-CCB4	1		

----------> Last reportable CCB for job MC27081
Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121913W2.PRN Date Analyzed: 12/19/13 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA16566 Units: ug/l

Time: / Sample ID:			11:13 ICB1		11:18 CCB1		11:48 CCB2		12:18 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.018	-0.026	<0.20	-0.030	<0.20	-0.044	<0.20	-0.026	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121913W2.PRN Date Analyzed: 12/19/13 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA16566 Units: ug/l

Time:			12:47	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Mercury	0.20	.018	-0.069	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121913W2.PRN Date Analyzed: 12/19/13 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA16566 Units: ug/l

Time:		11:10			11:15			11:45	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	4	4.1	102.5	3	3.1	103.3	3	3.1	103.3

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121913W2.PRN Date Analyzed: 12/19/13 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA16566 Units: ug/l

Time:		12:15			12:45	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.1	103.3	3	2.9	96.7

(*) Outside of QC limits
(anr) Analyte not requested

10.1.2 10

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2121913W2.PRN Date Analyzed: 12/19/13 Methods: SW846 7470A
QC Limits: 70 to 130 % Recovery Run ID: MA16566 Units: ug/l

Time:			11:20		12:42	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.19	95.0	0.19	95.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16568
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:27	MA16568-STD1	1		STD1
14:32	MA16568-STD2	1		STD2
14:37	MA16568-STD3	1		STD3
14:42	MA16568-STD4	1		STD4
14:47	MA16568-ICV1	1		
14:54	MA16568-ICB1	1		
14:58	MA16568-CCV1	1		
15:04	MA16568-CCB1	1		
15:09	MA16568-CRI1	1		
15:14	MA16568-ICSA1	1		
15:19	MA16568-ICSAB1	1		
15:24	MP22261-B1	1		
15:29	MP22261-MB1	1		
15:34	MP22261-S1	1		
15:38	MP22261-S2	1		
15:43	MC27087-3F	1		(sample used for QC only; not part of login MC27081)
15:48	MP22261-SD1	5		
15:53	MP22261-B2	1		
15:58	MA16568-CCV2	1		
16:02	MA16568-CCB2	1		
16:07	MC27081-1	1		
---------->	Last reportable sample/prep for job MC27081			
16:12	ZZZZZZ	1		
16:17	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:27	ZZZZZZ	1		
16:32	ZZZZZZ	1		
16:37	ZZZZZZ	1		
16:42	ZZZZZZ	1		
16:46	ZZZZZZ	1		
16:51	ZZZZZZ	1		
16:56	MA16568-CCV3	1		
17:01	MA16568-CCB3	1		
17:06	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16568
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:11	ZZZZZZ	1		
17:16	ZZZZZZ	1		
17:21	ZZZZZZ	1		
17:26	ZZZZZZ	1		
17:30	ZZZZZZ	1		
17:35	ZZZZZZ	1		
17:40	ZZZZZZ	1		
17:45	ZZZZZZ	1		
17:50	MP22262-B1	1		
17:55	MA16568-CCV4	1		
18:00	MA16568-CCB4	1		
18:05	MP22262-MB1	1		
18:09	MP22262-S1	1		
18:14	MP22262-S2	1		
18:19	MC27047-6	1		(sample used for QC only; not part of login MC27081)
18:24	MP22262-SD1	5		
18:29	MP22262-B2	1		
18:34	ZZZZZZ	1		
18:39	ZZZZZZ	1		
18:44	ZZZZZZ	1		
18:49	ZZZZZZ	1		
18:54	MA16568-CCV5	1		
18:58	MA16568-CCB5	1		
19:03	ZZZZZZ	1		
19:08	ZZZZZZ	1		
19:13	ZZZZZZ	1		
19:18	ZZZZZZ	1		
19:23	ZZZZZZ	1		
19:28	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:38	ZZZZZZ	1		
19:43	ZZZZZZ	1		
19:47	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16568
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:52	MA16568-CCV6	1		
19:57	MA16568-CCB6	1		
20:02	ZZZZZZ	1		
20:07	ZZZZZZ	1		
20:12	ZZZZZZ	1		
20:17	ZZZZZZ	1		
20:21	ZZZZZZ	1		
20:26	ZZZZZZ	1		RINSECONF
20:31	MA16568-CRI2	1		
20:36	MA16568-ICSA2	1		
20:41	MA16568-ICSAB2	1		
20:46	MA16568-CCV7	1		
20:51	MA16568-CCB7	1		
---------->	Last reportable CCB for job MC27081			
20:56	MA16568-CRIA1	1		
21:01	MC27055-6	1		(sample used for QC only; not part of login MC27081)
21:05	MP22255-SD1	5		
21:10	MP22255-PS1	1		
21:15	ZZZZZZ	10		
21:20	ZZZZZZ	10		
21:25	ZZZZZZ	10		
21:30	ZZZZZZ	1		
21:35	ZZZZZZ	10		
21:39	MP22263-B1	1		
21:44	MA16568-CCV8	1		
21:49	MA16568-CCB8	1		
21:54	MP22263-MB1	1		
21:59	MP22263-S1	1		
22:03	MP22263-S2	1		
22:08	MC27086-7	1		(sample used for QC only; not part of login MC27081)
22:13	MP22263-SD1	5		
22:18	MP22263-B2	1		
22:23	MP22263-LC1	1		
22:27	MP22263-PS1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16568
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:32	ZZZZZZ	1		
22:37	ZZZZZZ	2		
22:42	MA16568-CCV9	1		
22:47	MA16568-CCB9	1		
22:51	ZZZZZZ	1		
22:56	ZZZZZZ	1		
23:01	ZZZZZZ	1		
23:06	ZZZZZZ	1		
23:11	ZZZZZZ	1		
23:16	ZZZZZZ	1		
23:20	ZZZZZZ	1		
23:25	ZZZZZZ	1		
23:30	ZZZZZZ	1		
23:35	ZZZZZZ	1		
23:40	MA16568-CCV10	1		
23:45	MA16568-CCB10	1		
23:50	ZZZZZZ	1		
23:54	ZZZZZZ	1		
23:59	ZZZZZZ	1		
00:04	ZZZZZZ	1		
00:09	ZZZZZZ	1		
00:14	ZZZZZZ	1		
00:19	ZZZZZZ	1		
00:24	ZZZZZZ	1		
00:28	MA16568-CCV11	1		
00:33	MA16568-CCB11	1		
00:38	MA16568-CRIA2	1		
00:43	MA16568-ICSA3	1		
00:48	MA16568-ICSAB3	1		
00:53	MA16568-CCV12	1		
00:58	MA16568-CCB12	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16568
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
14:27	MA16568-STD1	4788 R	113030 R	9287 R
14:32	MA16568-STD2	4729	112690	9509
14:37	MA16568-STD3			9442
14:42	MA16568-STD4	4741	111490	9480
14:47	MA16568-ICV1	4754	113010	9390
14:54	MA16568-ICB1	4762	112010	9445
14:58	MA16568-CCV1	4739	115420	9429
15:04	MA16568-CCB1	4721	111300	9300
15:09	MA16568-CRI1	4742	112480	9321
15:14	MA16568-ICSA1	4368	104810	9045
15:19	MA16568-ICSAB1	4396	104880	9206
15:24	MP22261-B1	4687	112320	9519
15:29	MP22261-MB1	4737	113680	9583
15:34	MP22261-S1	4600	109420	9432
15:38	MP22261-S2	4606	109650	9381
15:43	MC27087-3F	4654	110740	9478
15:48	MP22261-SD1	4743	113210	9556
15:53	MP22261-B2	4693	111780	9475
15:58	MA16568-CCV2	4784	114420	9429
16:02	MA16568-CCB2	4757	112920	9384
16:07	MC27081-1	4726	113220	9814
16:12	ZZZZZZ	4729	114340	9651
16:17	ZZZZZZ	4662	113920	9813
16:22	ZZZZZZ	4725	113420	9636
16:27	ZZZZZZ	4717	113290	9568
16:32	ZZZZZZ	4710	112150	9676
16:37	ZZZZZZ	4690	113170	9619
16:42	ZZZZZZ	4899	116860	9963
16:46	ZZZZZZ	4905	117400	10029
16:51	ZZZZZZ	4534	108150	9471
16:56	MA16568-CCV3	4740	115100	9584
17:01	MA16568-CCB3	4765	113860	9470
17:06	ZZZZZZ	4686	113420	9478

INTERNAL STANDARD SUMMARY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16568
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
17:11	ZZZZZZ	4649	112200	9493
17:16	ZZZZZZ	4670	112260	9442
17:21	ZZZZZZ	4688	112640	9549
17:26	ZZZZZZ	4570	111150	9437
17:30	ZZZZZZ	4685	113120	9574
17:35	ZZZZZZ	4643	112630	9621
17:40	ZZZZZZ	4677	113310	9629
17:45	ZZZZZZ	4706	113940	9563
17:50	MP22262-B1	4637	112650	9549
17:55	MA16568-CCV4	4722	114680	9650
18:00	MA16568-CCB4	4687	111890	9376
18:05	MP22262-MB1	4672	112670	9454
18:09	MP22262-S1	4422	107260	9357
18:14	MP22262-S2	4467	109600	9453
18:19	MC27047-6	4486	108570	9508
18:24	MP22262-SD1	4681	113100	9606
18:29	MP22262-B2	4668	113270	9588
18:34	ZZZZZZ	4580	111890	9650
18:39	ZZZZZZ	4613	111190	9511
18:44	ZZZZZZ	4653	113840	9494
18:49	ZZZZZZ	4645	113030	9663
18:54	MA16568-CCV5	4692	113260	9541
18:58	MA16568-CCB5	4750	114850	9746
19:03	ZZZZZZ	4472	109650	9542
19:08	ZZZZZZ	4517	111110	9525
19:13	ZZZZZZ	4467	109730	9541
19:18	ZZZZZZ	4547	111740	9500
19:23	ZZZZZZ	4497	111220	9693
19:28	ZZZZZZ	4493	109420	9513
19:33	ZZZZZZ	4532	111080	9615
19:38	ZZZZZZ	4533	111400	9640
19:43	ZZZZZZ	4556	111350	9595
19:47	ZZZZZZ	4492	110340	9590

INTERNAL STANDARD SUMMARY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16568
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
19:52	MA16568-CCV6	4701	114240	9704
19:57	MA16568-CCB6	4683	114500	9743
20:02	ZZZZZZ	4536	110710	9551
20:07	ZZZZZZ	4580	112210	9609
20:12	ZZZZZZ	4582	113100	9559
20:17	ZZZZZZ	4451	109090	9544
20:21	ZZZZZZ	4513	111430	9494
20:26	ZZZZZZ	4670	113140	9513
20:31	MA16568-CRI2	4677	113630	9616
20:36	MA16568-ICSA2	4290	105920	9217
20:41	MA16568-ICSAB2	4302	105180	9371
20:46	MA16568-CCV7	4679	113950	9551
20:51	MA16568-CCB7	4652	113180	9595
20:56	MA16568-CRIA1	4713	113930	9501
21:01	MC27055-6	4892	118930	9944
21:05	MP22255-SD1	4784	116110	9763
21:10	MP22255-PS1	4893	119790	9922
21:15	ZZZZZZ	4753	116100	9680
21:20	ZZZZZZ	4770	116380	9727
21:25	ZZZZZZ	4769	116080	9717
21:30	ZZZZZZ	4849	120740	10768
21:35	ZZZZZZ	4702	115580	9678
21:39	MP22263-B1	4610	112570	9507
21:44	MA16568-CCV8	4698	114450	9562
21:49	MA16568-CCB8	4662	113250	9578
21:54	MP22263-MB1	4649	114200	9641
21:59	MP22263-S1	4873	120510	10029
22:03	MP22263-S2	4868	119970	10113
22:08	MC27086-7	4955	121270	10157
22:13	MP22263-SD1	4775	116180	9708
22:18	MP22263-B2	4610	113900	9638
22:23	MP22263-LC1	5067	125140	10523
22:27	MP22263-PS1	4892	120910	10156

INTERNAL STANDARD SUMMARY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16568
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
22:32	ZZZZZZ	4926	125340	10504
22:37	ZZZZZZ	4817	120840	10172
22:42	MA16568-CCV9	4669	115950	9635
22:47	MA16568-CCB9	4655	115460	9704
22:51	ZZZZZZ	4913	120500	10280
22:56	ZZZZZZ	4908	121900	10303
23:01	ZZZZZZ	4865	121710	10233
23:06	ZZZZZZ	4820	120380	10276
23:11	ZZZZZZ	4898	120200	10152
23:16	ZZZZZZ	4905	122120	10447
23:20	ZZZZZZ	4876	120830	10239
23:25	ZZZZZZ	4915	122090	10306
23:30	ZZZZZZ	4935	121950	10254
23:35	ZZZZZZ	4897	120680	10158
23:40	MA16568-CCV10	4673	118170	9971
23:45	MA16568-CCB10	4664	114540	9794
23:50	ZZZZZZ	4851	120100	10178
23:54	ZZZZZZ	5041	124840	10574
23:59	ZZZZZZ	5012	124220	10593
00:04	ZZZZZZ	4947	123020	10418
00:09	ZZZZZZ	5088	126430	10734
00:14	ZZZZZZ	4969	123560	10449
00:19	ZZZZZZ	5133	128350	10894
00:24	ZZZZZZ	4699	120680	10116
00:28	MA16568-CCV11	4633	115260	9770
00:33	MA16568-CCB11	4614	114100	9812
00:38	MA16568-CRIA2	4611	114810	9685
00:43	MA16568-ICSA3	4259	106770	9311
00:48	MA16568-ICSAB3	4251	106690	9448
00:53	MA16568-CCV12	4672	116460	9774
00:58	MA16568-CCB12	4643	115480	9741

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %

INTERNAL STANDARD SUMMARY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
Analyst: SA Run ID: MA16568
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
Istd#3	Yttrium (3600)		70-130 %	
Istd#3	Yttrium (3710)		70-130 %	

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16568 Units: ug/l

Time: / Sample ID:			14:54 ICB1		15:04 CCB1		16:02 CCB2		17:01 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	22								
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.2	1.0	<4.0	-0.20	<4.0	0.30	<4.0	0.20	<4.0
Barium	50	.53	0.0	<50	0.10	<50	0.20	<50	0.20	<50
Beryllium	4.0	.15	anr							
Boron	100	.49								
Cadmium	4.0	.04	0.10	<4.0	0.20	<4.0	0.20	<4.0	0.20	<4.0
Calcium	5000	7.4								
Chromium	10	.38	0.50	<10	0.50	<10	0.10	<10	0.60	<10
Cobalt	50	.15								
Copper	25	.52	anr							
Gold	50	1.4								
Iron	100	5	anr							
Lead	5.0	.95	0.20	<5.0	-0.20	<5.0	0.0	<5.0	0.0	<5.0
Magnesium	5000	47								
Manganese	15	.04	anr							
Molybdenum	100	.29								
Nickel	40	.25	anr							
Palladium	50	1.9								
Platinum	50	5.9								
Potassium	5000	56								
Selenium	10	1.8	0.20	<10	0.90	<10	0.50	<10	1.0	<10
Silicon	100	1.3								
Silver	5.0	.56	-0.10	<5.0	-0.20	<5.0	0.0	<5.0	0.0	<5.0
Sodium	5000	33								
Sulfur	50	3.4								
Strontium	10	.15								
Thallium	5.0	.98	anr							
Tin	100	.35								
Titanium	50	.44								
Tungsten	100	5.6								
Vanadium	10	.58	anr							
Zinc	20	.21	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16568 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	1.8

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16568 Units: ug/l

Time: / Sample ID:			18:00 CCB4		18:58 CCB5		19:57 CCB6		20:51 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	22								
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.2	-0.30	<4.0	0.10	<4.0	0.70	<4.0	0.70	<4.0
Barium	50	.53	0.0	<50	0.10	<50	-0.10	<50	0.0	<50
Beryllium	4.0	.15	anr							
Boron	100	.49								
Cadmium	4.0	.04	0.20	<4.0	0.20	<4.0	0.0	<4.0	0.10	<4.0
Calcium	5000	7.4								
Chromium	10	.38	0.40	<10	0.50	<10	0.20	<10	0.30	<10
Cobalt	50	.15								
Copper	25	.52	anr							
Gold	50	1.4								
Iron	100	5	anr							
Lead	5.0	.95	0.80	<5.0	0.30	<5.0	-0.30	<5.0	-0.20	<5.0
Magnesium	5000	47								
Manganese	15	.04	anr							
Molybdenum	100	.29								
Nickel	40	.25	anr							
Palladium	50	1.9								
Platinum	50	5.9								
Potassium	5000	56								
Selenium	10	1.8	0.10	<10	0.90	<10	0.20	<10	0.70	<10
Silicon	100	1.3								
Silver	5.0	.56	-0.10	<5.0	0.0	<5.0	0.30	<5.0	0.30	<5.0
Sodium	5000	33								
Sulfur	50	3.4								
Strontium	10	.15								
Thallium	5.0	.98	anr							
Tin	100	.35								
Titanium	50	.44								
Tungsten	100	5.6								
Vanadium	10	.58	anr							
Zinc	20	.21	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16568 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	1.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16568 Units: ug/l

Time:		14:47			14:58			15:58	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	3000	2960	98.7	2000	1940	97.0	2000	1940	97.0
Barium	3000	3010	100.3	2000	1950	97.5	2000	1950	97.5
Beryllium	anr								
Boron									
Cadmium	3000	2900	96.7	2000	1940	97.0	2000	1940	97.0
Calcium									
Chromium	3000	2970	99.0	2000	1880	94.0	2000	1900	95.0
Cobalt									
Copper	anr								
Gold									
Iron	anr								
Lead	3000	2830	94.3	2000	1900	95.0	2000	1910	95.5
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	3000	2940	98.0	2000	1940	97.0	2000	1940	97.0
Silicon									
Silver	500	492	98.4	250	237	94.8	250	242	96.8
Sodium									
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16568 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16568 Units: ug/l

Time:		16:56			17:55			18:54	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	2000	1960	98.0	2000	1960	98.0	2000	2000	100.0
Barium	2000	1950	97.5	2000	1920	96.0	2000	1990	99.5
Beryllium	anr								
Boron									
Cadmium	2000	1950	97.5	2000	1950	97.5	2000	1980	99.0
Calcium									
Chromium	2000	1890	94.5	2000	1860	93.0	2000	1930	96.5
Cobalt									
Copper	anr								
Gold									
Iron	anr								
Lead	2000	1950	97.5	2000	1960	98.0	2000	1990	99.5
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	2000	1960	98.0	2000	1960	98.0	2000	2010	100.5
Silicon									
Silver	250	241	96.4	250	239	95.6	250	243	97.2
Sodium									
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16568 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16568 Units: ug/l

Time:		19:52			20:46	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	2000	2000	100.0	2000	2010	100.5
Barium	2000	1960	98.0	2000	1990	99.5
Beryllium	anr					
Boron						
Cadmium	2000	1960	98.0	2000	1970	98.5
Calcium						
Chromium	2000	1890	94.5	2000	1900	95.0
Cobalt						
Copper	anr					
Gold						
Iron	anr					
Lead	2000	1990	99.5	2000	2000	100.0
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Platinum						
Potassium						
Selenium	2000	2010	100.5	2000	2020	101.0
Silicon						
Silver	250	241	96.4	250	242	96.8
Sodium						
Sulfur						
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16568 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16568 Units: ug/l

Time:			15:09		20:31	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	200	200				
Antimony	6.0	10	anr			
Arsenic	4.0	10	4.3	107.5	4.2	105.0
Barium	50	50	50.1	100.2	49.3	98.6
Beryllium	4.0	4.0	anr			
Boron	100	100				
Cadmium	4.0	4.0	4.1	102.5	4.2	105.0
Calcium	5000	5000				
Chromium	10	10	10.5	105.0	10.0	100.0
Cobalt	50	50				
Copper	25	25	anr			
Gold	50	50				
Iron	100	100	anr			
Lead	5.0	10	4.8	96.0	4.6	92.0
Magnesium	5000	5000				
Manganese	15	15	anr			
Molybdenum	100	100				
Nickel	40	40	anr			
Palladium	50	50				
Platinum	50	50				
Potassium	5000	5000				
Selenium	10	10	9.4	94.0	11.0	110.0
Silicon	100	100				
Silver	5.0	5.0	5.0	100.0	4.9	98.0
Sodium	5000	5000				
Sulfur	50	50				
Strontium	10	10				
Thallium	5.0	10	anr			
Tin	100	100				
Titanium	50	50				
Tungsten	100	100				
Vanadium	10	10	anr			
Zinc	20	20	anr			

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16568 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	50

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16568 Units: ug/l

Time:			15:14		15:19		20:36		20:41	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	523000	104.6	511000	102.2	536000	107.2	527000	105.4
Antimony		2000	-0.80		1970	98.5	1.4		2080	104.0
Arsenic		2000	0.60		2040	102.0	0.90		2120	106.0
Barium		500	0.0		500	100.0	-0.10		505	101.0
Beryllium		500	0.10		461	92.2	0.10		463	92.6
Boron		1000	0.90		934	93.4	0.70		993	99.3
Cadmium		1000	0.10		975	97.5	0.50		997	99.7
Calcium	500000	500000	454000	90.8	446000	89.2	453000	90.6	448000	89.6
Chromium		500	0.10		454	90.8	0.10		453	90.6
Cobalt		500	-1.5		449	89.8	-0.90		464	92.8
Copper		500	-4.4		470	94.0	-4.1		487	97.4
Gold		500	2.2		460	92.0	2.8		477	95.4
Iron	200000	200000	191000	95.5	188000	94.0	183000	91.5	181000	90.5
Lead		1000	-1.2		836	83.6	-0.90		882	88.2
Magnesium	500000	500000	505000	101.0	497000	99.4	499000	99.8	493000	98.6
Manganese		500	0.30		466	93.2	0.40		472	94.4
Molybdenum		1000	-2.1		897	89.7	-2.3		926	92.6
Nickel		1000	-4.7		822	82.2	-4.2		829	82.9
Palladium		500	-0.30		474	94.8	-7.0		462	92.4
Platinum		500	-3.7		459	91.8	-5.1		466	93.2
Potassium			160		78.0		77.0		37.3	
Selenium		2000	2.8		1930	96.5	1.3		2010	100.5
Silicon		2000	43.0		1990	99.5	46.2		2110	105.5
Silver		1000	0.10		1020	102.0	0.50		1010	101.0
Sodium			39.3		31.1		226		162	
Sulfur		500	102*		554	110.8	100*		557	111.4
Strontium		1000	-7.7		970	97.0	-7.7		951	95.1
Thallium		2000	-0.60		1720	86.0	-1.1		1840	92.0
Tin		1000	-1.9		883	88.3	-2.5		924	92.4
Titanium		500	5.6		461	92.2	5.4		462	92.4
Tungsten		2000	-17		1760	88.0	-13		1780	89.0
Vanadium		500	0.30		464	92.8	0.70		465	93.0
Zinc		1000	-0.50		873	87.3	-0.40		893	89.3

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA121613M1.ICP Date Analyzed: 12/16/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16568 Units: ug/l

Time: / Sample ID: / Metal								
Zirconium	500	-0.20	378	75.6*	-0.40	385	77.0*	

(*) Outside of QC limits
(anr) Analyte not requested

10.2.5
10

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22261
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/16/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	22	40		
Antimony	6.0	1.1	1.9		
Arsenic	4.0	1.2	2.9	0.40	<4.0
Barium	50	.53	.81	0.10	<50
Beryllium	4.0	.15	.25		
Boron	100	.49	1.4		
Cadmium	4.0	.04	.5	0.10	<4.0
Calcium	5000	7.4	38		
Chromium	10	.38	1.4	0.10	<10
Cobalt	50	.15	.4		
Copper	25	.52	7		
Gold	50	1.4	5		
Iron	100	5	20		
Lead	5.0	.95	1.7	-0.10	<5.0
Magnesium	5000	47	59		
Manganese	15	.04	.81		
Molybdenum	100	.29	.77		
Nickel	40	.25	.57		
Palladium	50	1.9	7.6		
Platinum	50	5.9	14		
Potassium	5000	56	160		
Selenium	10	1.8	4.8	2.3	<10
Silicon	100	1.3	45		
Silver	5.0	.56	1	0.0	<5.0
Sodium	5000	33	60		
Sulfur	50	3.4	8		
Strontium	10	.15	.26		
Thallium	5.0	.98	1.9		
Tin	100	.35	1.4		
Titanium	50	.44	1.8		
Tungsten	100	5.6	16		
Vanadium	10	.58	2.8		
Zinc	20	.21	.5		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22261 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal			
Zirconium	50	1.8	2.2

Associated samples MP22261: MC27081-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22261
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/16/13

Metal	MC27087-3F Original	MS	Spikelot MPICP	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	0.0	536	500	107.2	75-125
Barium	102	2050	2000	97.4	75-125
Beryllium					
Boron					
Cadmium	0.40	508	500	101.5	75-125
Calcium					
Chromium	1.3	507	500	101.1	75-125
Cobalt					
Copper	anr				
Gold					
Iron	anr				
Lead	0.0	935	1000	93.5	75-125
Magnesium					
Manganese	anr				
Molybdenum					
Nickel	anr				
Palladium					
Platinum					
Potassium					
Selenium	0.0	512	500	102.4	75-125
Silicon					
Silver	0.80	206	200	102.6	75-125
Sodium					
Sulfur					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc	anr				

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22261
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Zirconium

Associated samples MP22261: MC27081-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22261
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/16/13

Metal	MC27087-3F Original	MSD	Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	0.0	526	500	105.2	1.9	20
Barium	102	2040	2000	96.9	0.5	20
Beryllium						
Boron						
Cadmium	0.40	498	500	99.5	2.0	20
Calcium						
Chromium	1.3	499	500	99.5	1.6	20
Cobalt						
Copper	anr					
Gold						
Iron	anr					
Lead	0.0	930	1000	93.0	0.5	20
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Platinum						
Potassium						
Selenium	0.0	501	500	100.2	2.2	20
Silicon						
Silver	0.80	206	200	102.6	0.0	20
Sodium						
Sulfur						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc	anr					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22261
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Zirconium

Associated samples MP22261: MC27081-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22261
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/16/13 12/16/13

Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum									
Antimony									
Arsenic	523	500	104.6	80-120	531	500	106.2	1.5	20
Barium	1880	2000	94.0	80-120	1910	2000	95.5	1.6	20
Beryllium									
Boron									
Cadmium	497	500	99.4	80-120	504	500	100.8	1.4	20
Calcium									
Chromium	493	500	98.6	80-120	506	500	101.2	2.6	20
Cobalt									
Copper	anr								
Gold									
Iron	anr								
Lead	918	1000	91.8	80-120	936	1000	93.6	1.9	20
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	501	500	100.2	80-120	511	500	102.2	2.0	20
Silicon									
Silver	201	200	100.5	80-120	204	200	102.0	1.5	20
Sodium									
Sulfur									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc	anr								

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22261
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal
Zirconium

Associated samples MP22261: MC27081-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22261
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/16/13

Metal	MC27087-3F Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	0.00	0.00	NC	0-10
Barium	102	99.5	2.0	0-10
Beryllium				
Boron				
Cadmium	0.400	0.500	25.0 (a)	0-10
Calcium				
Chromium	1.30	2.00	53.8 (a)	0-10
Cobalt				
Copper	anr			
Gold				
Iron	anr			
Lead	0.00	0.00	NC	0-10
Magnesium				
Manganese	anr			
Molybdenum				
Nickel	anr			
Palladium				
Platinum				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.800	0.00	100.0(a)	0-10
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc	anr			

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22261
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal
Zirconium

Associated samples MP22261: MC27081-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22268
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 12/17/13

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.018	.067	-0.0090	<0.20

Associated samples MP22268: MC27081-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22268 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 12/17/13

Metal	MC27035-2 Original	MS	Spikelot HGRWS1	% Rec	QC Limits
Mercury	0.0	3.2	3	106.7	75-125

Associated samples MP22268: MC27081-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22268 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 12/17/13

Metal	MC27035-2 Original	MSD	Spikelot HGRWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	3.1	3	103.3	3.2	20

Associated samples MP22268: MC27081-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22268
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 12/17/13 12/17/13

Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	2.9	3	96.7	80-120	2.9	3	96.7	0.0	20

Associated samples MP22268: MC27081-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

New England ACCUTEST LABORATORIES

Metals Analysis

Raw Data

```
                                Folder:   #HG21    **PUBLIC FOLDER **   Page    1
13:17:30 19 Dec 2013            Protocol:
                               ***POST-RUN REPORT***
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  515     09:47:32 19 Dec 13   HG

Hg    .000    ppb       -12                                                 =
*** Standard: 2 Rep: 1              Seq:  516     09:50:06 19 Dec 13   HG

Hg    .200    ppb       967                                                 =
*** Standard: 4 Rep: 1              Seq:  518     09:55:04 19 Dec 13   HG

Hg    1.00    ppb       3943                                                =
*** Standard: 5 Rep: 1              Seq:  519     09:57:38 19 Dec 13   HG

Hg    2.00    ppb       7900                                                =
*** Standard: 6 Rep: 1              Seq:  520     10:00:02 19 Dec 13   HG

Hg    3.00    ppb       12074                                               =
*** Standard: 7 Rep: 1              Seq:  521     10:02:27 19 Dec 13   HG

Hg    4.00    ppb       15992                                               =
*** Standard: 8 Rep: 1              Seq:  522     10:04:50 19 Dec 13   HG

Hg    5.00    ppb       21364                                               =
*** Standard: 9 Rep: 1              Seq:  523     10:07:24 19 Dec 13   HG

Hg    6.00    ppb       23596                                               =
*** Standard: 3 Rep: 1              Seq:  524     10:10:19 19 Dec 13   HG

Hg    .500    ppb       2335                                                =
*** Sample ID: ICV        H2121913W2 Seq:  548     11:10:17 19 Dec 13   HG

Hg    4.13    ppb       .000      4.13                                      =
===============================================================================
*** Sample ID: ICB        H2121913W2 Seq:  549     11:13:02 19 Dec 13   HG

Hg   -.026    ppb       .000     -.026                                      =
===============================================================================
```

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCV			H2121913W2 Seq: 550		11:15:25 19 Dec 13		HG	
Hg	3.13	ppb	.000	3.13				
*** Sample ID: CCB			H2121913W2 Seq: 551		11:18:00 19 Dec 13		HG	
Hg	-.030	ppb	.000	-.030				
*** Sample ID: CRI			H2121913W2 Seq: 552		11:20:22 19 Dec 13		HG	
Hg	.193	ppb	.000	.193				
*** Sample ID: MP22268MB1			H2121913W2 Seq: 553		11:22:45 19 Dec 13		HG	
Hg	-.009	ppb	.000	-.009				
*** Sample ID: MP22268-B1			H2121913W2 Seq: 554		11:25:19 19 Dec 13		HG	
Hg	2.87	ppb	.000	2.87				
*** Sample ID: MP22268-B2			H2121913W2 Seq: 555		11:28:02 19 Dec 13		HG	
Hg	2.91	ppb	.000	2.91				
*** Sample ID: MP22268-S1			H2121913W2 Seq: 556		11:30:47 19 Dec 13		HG	
			MC27035-2					
Hg	3.17	ppb	.000	3.17				
*** Sample ID: MP22268-S2			H2121913W2 Seq: 557		11:33:11 19 Dec 13		HG	
			MC27035-2					
Hg	3.09	ppb	.000	3.09				
*** Sample ID: MC27035-2			H2121913W2 Seq: 558		11:35:33 19 Dec 13		HG	
Hg	-.049	ppb	.000	-.049				
*** Sample ID: MP22268-S3			H2121913W2 Seq: 559		11:38:20 19 Dec 13		HG	
			MC27129-6					
Hg	3.00	ppb	.000	3.00				

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Sample ID: MP22268-S4 H2121913W2 Seq:  560    11:40:41 19 Dec 13   HG
                          MC27129-6
Hg    2.96    ppb        .000      2.96
                                                                             =
===============================================================================
*** Sample ID: MC27129-6  H2121913W2 Seq:  561    11:43:02 19 Dec 13   HG

Hg   -.053    ppb        .000     -.053
                                                                             =
===============================================================================
*** Sample ID: CCV        H2121913W2 Seq:  562    11:45:36 19 Dec 13   HG

Hg    3.09    ppb        .000      3.09
                                                                             =
===============================================================================
*** Sample ID: CCB        H2121913W2 Seq:  563    11:48:04 19 Dec 13   HG

Hg   -.044    ppb        .000     -.044
                                                                             =
===============================================================================
*** Sample ID: MC27035-1  H2121913W2 Seq:  564    11:50:36 19 Dec 13   HG

Hg    .030    ppb        .000      .030
                                                                             =
===============================================================================
*** Sample ID: MC27046-3  H2121913W2 Seq:  565    11:53:03 19 Dec 13   HG

Hg   -.011    ppb        .000     -.011
                                                                             =
===============================================================================
*** Sample ID: MC27077-1  H2121913W2 Seq:  566    11:55:30 19 Dec 13   HG

Hg   -.010    ppb        .000     -.010
                                                                             =
===============================================================================
*** Sample ID: MC27077-2  H2121913W2 Seq:  567    11:57:52 19 Dec 13   HG

Hg   -.006    ppb        .000     -.006
                                                                             =
===============================================================================
*** Sample ID: MC27077-3  H2121913W2 Seq:  568    12:00:25 19 Dec 13   HG

Hg   -.012    ppb        .000     -.012
                                                                             =
===============================================================================
*** Sample ID: MC27081-1  H2121913W2 Seq:  569    12:02:48 19 Dec 13   HG

Hg    .044    ppb        .000      .044
                                                                             =
===============================================================================
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Sample ID: MC27086-3  H2121913W2 Seq:  570    12:05:40 19 Dec 13   HG

Hg   -.008    ppb       .000     -.008
                                                                          =
===============================================================================
*** Sample ID: MC27088-16 H2121913W2 Seq:  571    12:08:12 19 Dec 13   HG

Hg   -.001    ppb       .000     -.001
                                                                          =
===============================================================================
*** Sample ID: MC27088-18 H2121913W2 Seq:  572    12:10:34 19 Dec 13   HG

Hg    .003    ppb       .000      .003
                                                                          =
===============================================================================
*** Sample ID: MC27113-1  H2121913W2 Seq:  573    12:12:56 19 Dec 13   HG

Hg    .002    ppb       .000      .002
                                                                          =
===============================================================================
*** Sample ID: CCV        H2121913W2 Seq:  574    12:15:28 19 Dec 13   HG

Hg    3.06    ppb       .000     3.06
                                                                          =
===============================================================================
*** Sample ID: CCB        H2121913W2 Seq:  575    12:18:24 19 Dec 13   HG

Hg   -.026    ppb       .000     -.026
                                                                          =
===============================================================================
*** Sample ID: MC27113-2  H2121913W2 Seq:  576    12:20:50 19 Dec 13   HG

Hg   -.011    ppb       .000     -.011
                                                                          =
===============================================================================
*** Sample ID: MC27113-3  H2121913W2 Seq:  577    12:23:26 19 Dec 13   HG

Hg    .033    ppb       .000      .033
                                                                          =
===============================================================================
*** Sample ID: MC27113-4  H2121913W2 Seq:  578    12:26:03 19 Dec 13   HG

Hg   -.010    ppb       .000     -.010
                                                                          =
===============================================================================
*** Sample ID: MC27113-5  H2121913W2 Seq:  579    12:29:16 19 Dec 13   HG

Hg   -.014    ppb       .000     -.014
                                                                          =
===============================================================================
```

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC27113-6 H2121913W2 Seq: 580 12:32:01 19 Dec 13 HG								
Hg	-.010	ppb	.000	-.010				
*** Sample ID: MC27113-7 H2121913W2 Seq: 581 12:34:34 19 Dec 13 HG								
Hg	-.008	ppb	.000	-.008				
*** Sample ID: MC27113-8 H2121913W2 Seq: 582 12:37:07 19 Dec 13 HG								
Hg	-.008	ppb	.000	-.008				
*** Sample ID: MC27138-3 H2121913W2 Seq: 583 12:40:04 19 Dec 13 HG								
Hg	-.011	ppb	.000	-.011				
*** Sample ID: CRI H2121913W2 Seq: 584 12:42:46 19 Dec 13 HG								
Hg	.190	ppb	.000	.190				
*** Sample ID: CCV H2121913W2 Seq: 585 12:45:28 19 Dec 13 HG								
Hg	2.92	ppb	.000	2.92				
*** Sample ID: CCB H2121913W2 Seq: 586 12:47:50 19 Dec 13 HG								
Hg	-.069	ppb	.000	-.069				

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 12/16/2013 14:27:52 Type: Cal
Method: Accutest -SS1 with S(v278) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0022**	**-.0013**	**-.0001**	**.0001**	**.0008**	**.0150**	**.0003**	**.0029**	**.0016**
Stddev	.0000	.0004	.0000	.0000	.0001	.0003	.0002	.0005	.0001
%RSD	1.744	27.82	22.28	4.799	8.029	2.035	68.28	16.81	4.616
#1	-.0021	-.0016	-.0001	.0001	.0007	.0153	.0005	.0026	.0016
#2	-.0022	-.0011	-.0001	.0001	.0008	.0148	.0002	.0033	.0017

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**.0000**	**.0005**	**.0004**	**.0095**	**-.0001**	**.0002**	**-.0005**	**.0080**
Stddev	.0001	.000	.0001	.0001	.0003	.0002	.0000	.0000	.0002
%RSD	30.12	97.76	10.42	30.68	3.187	200.1	.1592	4.058	2.504
#1	-.0003	.0000	.0005	.0003	.0093	.0000	.0002	-.0005	.0078
#2	-.0002	-.0001	.0005	.0005	.0097	-.0002	.0002	-.0005	.0081

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**-.0002**	**.0004**	**.0000**	**-.0007**	**.0005**	**.0002**	**.0053**	**-.0003**
Stddev	.000	.0001	.0001	.0001	.0000	.0000	.0000	.0001	.0000
%RSD	1180.	49.31	26.38	205.0	.6139	9.422	14.52	2.081	5.035
#1	.0002	-.0001	.0003	.0000	-.0007	.0004	.0002	.0052	-.0003
#2	-.0002	-.0003	.0005	.0001	-.0007	.0005	.0002	.0054	-.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0065**	**-.0003**	**-.0008**	**.0000**	**.0000**	**-.0004**	**.0120**
Stddev	.0003	.0001	.0001	.000	.0000	.0001	.0001
%RSD	5.238	35.41	7.790	573.7	329.1	28.32	.6048
#1	.0067	-.0004	-.0007	.0000	.0000	-.0005	.0120
#2	.0063	-.0002	-.0008	.0000	.0000	-.0003	.0119

◀ Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 12/16/2013 14:27:52 Type: Cal
Method: Accutest -SS1 with S(v278) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4787.5**	**113030.**	**9287.1**
Stddev	22.5	449.	43.3
%RSD	.47036	.39700	.46588
#1	4803.5	112720.	9256.5
#2	4771.6	113350.	9317.7

◀ Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 12/16/2013 14:32:47 Type: Cal
Method: Accutest -SS1 with S(v278) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1318**	**.4251**	**1.957**	**14.29**	**17.57**	**10.25**	**8.253**	**.5446**	**1.522**
Stddev	.0004	.0018	.007	.17	.10	.03	.021	.0023	.002
%RSD	.3178	.4127	.3369	1.195	.5781	.3097	.2502	.4282	.1497
#1	.1321	.4264	1.962	14.41	17.64	10.28	8.268	.5463	1.520
#2	.1315	.4239	1.953	14.17	17.49	10.23	8.239	.5430	1.524

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.725**	**4.205**	**5.572**	**1.342**	**.6724**	**.3720**	**.7333**	**9.256**
Stddev	.001	.002	.012	.004	.0030	.0007	.0025	.019
%RSD	.0201	.0413	.2146	.3120	.4495	.1896	.3432	.2029
#1	3.725	4.204	5.580	1.345	.6745	.3725	.7351	9.270
#2	3.726	4.206	5.564	1.339	.6703	.3715	.7315	9.243

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4728.7**	**112690.**	**9508.7**
Stddev	.0	7.	58.6
%RSD	.00089	.00589	.61669
#1	4728.7	112680.	9467.2
#2	4728.6	112690.	9550.1

◀ Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 12/16/2013 14:37:39 Type: Cal
Method: Accutest -SS1 with S(v278) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.073**	**2.271**	**1.153**	**1.234**	**.1664**	**3.775**
Stddev	.006	.000	.007	.002	.0019	.006
%RSD	.5899	.0189	.6407	.1892	1.172	.1604
#1	1.077	2.271	1.159	1.235	.1677	3.780
#2	1.068	2.271	1.148	1.232	.1650	3.771

Int. Std.	Y_3710
Units	Cts/S
Avg	**9442.1**
Stddev	41.2
%RSD	.43685
#1	9471.3
#2	9413.0

Zoom In Zoom Out

Sample Name: Std4 Acquired: 12/16/2013 14:42:33 Type: Cal
Method: Accutest -SS1 with S(v278) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	S_1820	Si2124	Sn1899	Sr4077	Ti3349	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1481**	**.3366**	**.0601**	**.1484**	**1.263**	**1.681**	**34.15**	**1.403**	**.6419**
Stddev	.0002	.0004	.0002	.0001	.000	.000	.08	.007	.0037
%RSD	.1471	.1252	.3539	.0542	.0309	.0126	.2312	.5130	.5823
#1	.1483	.3363	.0603	.1485	1.263	1.681	34.20	1.408	.6446
#2	.1480	.3369	.0600	.1484	1.263	1.681	34.09	1.398	.6393

Elem	W_2397	Zr3391
Units	Cts/S	Cts/S
Avg	**.0608**	**1.219**
Stddev	.0002	.001
%RSD	.3757	.1072
#1	.0610	1.220
#2	.0607	1.218

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4741.4**	**111490.**	**9480.1**
Stddev	7.0	943.	45.2
%RSD	.14675	.84572	.47709
#1	4746.3	110830.	9448.1
#2	4736.5	112160.	9512.1

Zoom In Zoom Out

Sample Name: ICV Acquired: 12/16/2013 14:47:30 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.4924**	**15.70**	**2.960**	**2.840**	**2.911**	**3.014**	**2.954**	**17.83**	**2.900**
Stddev	.0001	.08	.008	.029	.002	.019	.009	.07	.007
%RSD	.0115	.5177	.2694	1.018	.0765	.6206	.3227	.3998	.2597
#1	.4925	15.76	2.954	2.861	2.909	3.027	2.960	17.88	2.895
#2	.4924	15.64	2.965	2.820	2.912	3.001	2.947	17.78	2.906

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.909**	**2.967**	**2.834**	**18.35**	**14.94**	**18.26**	**2.953**	**2.807**	**15.25**
Stddev	.008	.012	.035	.03	.14	.05	.007	.015	.07
%RSD	.2641	.4174	1.249	.1429	.9055	.2588	.2550	.5253	.4414
#1	2.904	2.976	2.859	18.37	15.04	18.23	2.958	2.796	15.29
#2	2.915	2.959	2.809	18.33	14.85	18.30	2.948	2.817	15.20

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**2.817**	**2.826**	**2.875**	**2.842**	**2.884**	**2.896**	**2.937**	**2.873**	**3.060**
Stddev	.011	.004	.013	.020	.014	.005	.001	.006	.009
%RSD	.3783	.1451	.4471	.7120	.5005	.1802	.0362	.1986	.2787
#1	2.809	2.823	2.885	2.856	2.874	2.892	2.937	2.869	3.054
#2	2.824	2.829	2.866	2.827	2.894	2.899	2.938	2.877	3.066

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**3.022**	**2.899**	**2.883**	**2.851**	**2.776**	**2.863**	**.8776**
Stddev	.004	.011	.004	.009	.002	.009	.0141
%RSD	.1239	.3903	.1342	.3072	.0643	.3181	1.603
#1	3.019	2.907	2.880	2.857	2.775	2.857	.8876
#2	3.024	2.891	2.886	2.845	2.777	2.870	.8677

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4754.1**	**113010.**	**9390.0**
Stddev	19.2	159.	44.4
%RSD	.40379	.14042	.47258
#1	4767.6	113120.	9358.6
#2	4740.5	112900.	9421.4

Zoom In Zoom Out

Sample Name: ICB Acquired: 12/16/2013 14:54:00 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.0008**	**.0010**	**.0002**	**.0014**	**.0000**	**.0000**	**-.0031**	**.0001**
Stddev	.0001	.0012	.0004	.0002	.0001	.0000	.0000	.0029	.0001
%RSD	86.78	151.2	37.36	81.35	8.541	104.9	22.84	94.11	127.1
#1	-.0002	-.0001	.0007	.0004	.0014	.0000	.0000	-.0010	.0000
#2	.0000	.0016	.0013	.0001	.0013	.0000	.0000	-.0051	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0005**	**.0001**	**.0015**	**.0402**	**-.0198**	**.0000**	**.0031**	**.0043**
Stddev	.0001	.0002	.0002	.0021	.0411	.0030	.000	.0005	.0119
%RSD	106.2	32.21	344.5	144.8	102.2	15.29	311.0	15.30	279.3
#1	.0000	.0006	.0002	.0030	.0112	-.0220	.0000	.0034	-.0041
#2	-.0001	.0004	-.0001	.0000	.0692	-.0177	.0000	.0027	.0127

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0003**	**.0002**	**.0014**	**.0001**	**.0003**	**.0002**	**.0002**	**.0019**	**.0001**
Stddev	.0001	.0003	.0003	.0012	.0014	.0005	.0002	.0002	.0000
%RSD	45.61	161.6	19.72	846.5	454.4	221.4	97.87	13.12	27.80
#1	.0002	.0005	.0012	-.0007	.0013	-.0001	.0004	.0017	.0001
#2	.0004	.0000	.0016	.0010	-.0007	.0006	.0001	.0020	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0000**	**.0008**	**.0002**	**.0113**	**.0000**	**-.0013**
Stddev	.000	.0000	.0006	.0003	.0001	.000	.0003
%RSD	83.70	261.0	79.94	123.0	.9077	227.9	19.51
#1	.0000	.0000	.0003	.0000	.0112	.0000	-.0015
#2	.0000	.0001	.0013	.0004	.0114	.0000	-.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4761.6**	**112010.**	**9445.3**
Stddev	21.4	189.	32.6
%RSD	.44926	.16915	.34505
#1	4776.7	112140.	9468.3
#2	4746.4	111870.	9422.2

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/16/2013 14:58:54 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2370**	**9.805**	**1.935**	**.0006**	**1.928**	**1.950**	**1.952**	**9.826**	**1.942**
Stddev	.0013	.047	.003	.0002	.003	.016	.009	.064	.000
%RSD	.5503	.4760	.1301	42.60	.1350	.7965	.4535	.6468	.0058
#1	.2360	9.838	1.934	.0004	1.926	1.961	1.958	9.871	1.942
#2	.2379	9.772	1.937	.0007	1.930	1.939	1.945	9.781	1.942

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.015**	**1.877**	**1.846**	**10.01**	**9.729**	**9.873**	**1.910**	**1.933**	**9.877**
Stddev	.004	.008	.006	.07	.019	.127	.009	.007	.010
%RSD	.2220	.4242	.3384	.7111	.1999	1.281	.4632	.3521	.1033
#1	2.012	1.871	1.842	10.06	9.716	9.962	1.904	1.928	9.884
#2	2.019	1.883	1.850	9.964	9.743	9.783	1.917	1.938	9.870

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.921**	**1.904**	**.0019**	**-.0089**	**-.0026**	**1.938**	**1.936**	**.0072**	**1.903**
Stddev	.002	.005	.0014	.0005	.0017	.002	.003	.0005	.006
%RSD	.0979	.2875	73.23	5.210	65.25	.0819	.1568	7.021	.3362
#1	1.919	1.900	.0028	-.0093	-.0014	1.937	1.934	.0069	1.898
#2	1.922	1.908	.0009	-.0086	-.0038	1.939	1.938	.0076	1.907

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.985**	**1.854**	**1.924**	**1.854**	**.0008**	**1.927**	**.0118**
Stddev	.004	.010	.003	.006	.0025	.006	.0025
%RSD	.1753	.5614	.1758	.3337	291.4	.3354	21.56
#1	1.987	1.846	1.922	1.850	.0026	1.923	.0136
#2	1.982	1.861	1.926	1.859	-.0009	1.932	.0100

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4738.5**	**115420.**	**9428.9**
Stddev	10.3	186.	3.2
%RSD	.21777	.16086	.03395
#1	4745.8	115550.	9431.1
#2	4731.2	115290.	9426.6

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/16/2013 15:04:59 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.0057**	**-.0002**	**-.0013**	**.0015**	**.0001**	**.0001**	**-.0035**	**.0002**
Stddev	.0001	.0014	.0007	.0006	.0002	.0001	.0001	.0010	.0000
%RSD	76.90	24.04	463.3	50.32	11.37	40.96	131.4	28.16	18.38
#1	-.0002	.0048	.0003	-.0017	.0016	.0001	.0001	-.0028	.0002
#2	-.0001	.0067	-.0007	-.0008	.0013	.0002	.0000	-.0042	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0005**	**.0000**	**.0014**	**.0058**	**-.0055**	**.0000**	**.0027**	**.0022**
Stddev	.0000	.0001	.0001	.0038	.0287	.0077	.0000	.0004	.0104
%RSD	91.86	9.629	374.9	268.7	496.1	140.9	104.1	15.55	465.5
#1	.0000	.0005	.0000	.0041	-.0145	.0000	.0000	.0030	-.0051
#2	.0001	.0006	.0001	-.0013	.0261	-.0109	.0000	.0024	.0096

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0005**	**-.0002**	**.0001**	**.0008**	**-.0034**	**.0007**	**.0009**	**.0016**	**.0002**
Stddev	.0001	.0001	.0017	.0011	.0020	.0000	.0002	.0001	.0000
%RSD	23.74	48.78	1890.	143.2	57.47	5.559	26.06	6.316	17.46
#1	.0006	-.0001	.0013	.0000	-.0048	.0007	.0007	.0015	.0003
#2	.0004	-.0002	-.0011	.0016	-.0020	.0007	.0011	.0017	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0001**	**.0012**	**.0004**	**.0056**	**.0001**	**-.0011**
Stddev	.0000	.0001	.0001	.0000	.0006	.0001	.0018
%RSD	18.35	50.32	10.79	2.616	10.47	117.1	165.2
#1	.0000	.0001	.0013	.0004	.0061	.0000	.0002
#2	.0000	.0002	.0011	.0005	.0052	.0002	-.0023

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4721.4**	**111300.**	**9300.2**
Stddev	2.0	4315.	41.3
%RSD	.04132	3.8771	.44413
#1	4720.0	108240.	9271.0
#2	4722.8	114350.	9329.4

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/16/2013 15:09:54 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0050**	**.2159**	**.0043**	**-.0018**	**.0998**	**.0501**	**.0041**	**4.953**	**.0041**
Stddev	.0002	.0086	.0002	.0009	.0001	.0000	.0001	.022	.0000
%RSD	3.061	3.970	4.009	48.59	.1227	.0579	2.301	.4486	.3775
#1	.0051	.2099	.0042	-.0012	.0999	.0500	.0040	4.937	.0041
#2	.0049	.2220	.0044	-.0024	.0997	.0501	.0041	4.968	.0041

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0515**	**.0105**	**.0238**	**.1074**	**4.910**	**5.034**	**.0154**	**.1006**	**5.043**
Stddev	.0001	.0000	.0004	.0039	.047	.024	.0000	.0004	.015
%RSD	.2427	.2141	1.490	3.643	.9598	.4841	.0779	.3827	.3012
#1	.0515	.0104	.0240	.1046	4.877	5.017	.0154	.1003	5.032
#2	.0514	.0105	.0235	.1102	4.943	5.052	.0154	.1008	5.053

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0403**	**.0048**	**-.0011**	**-.0015**	**-.0015**	**.0071**	**.0094**	**.0194**	**.0966**
Stddev	.0001	.0004	.0003	.0038	.0028	.0001	.0011	.0000	.0001
%RSD	.2105	8.379	22.98	262.3	183.4	1.902	12.09	.1729	.0664
#1	.0404	.0045	-.0010	.0012	-.0036	.0072	.0086	.0194	.0965
#2	.0403	.0051	-.0013	-.0041	-.0015	.0070	.0102	.0193	.0966

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0099**	**.0491**	**.0055**	**.0103**	**.0019**	**.0207**	**-.0017**
Stddev	.0001	.0002	.0002	.0002	.0013	.0000	.0008
%RSD	1.027	.4057	3.582	1.621	71.05	.0691	50.69
#1	.0099	.0493	.0056	.0105	.0028	.0206	-.0011
#2	.0100	.0490	.0054	.0102	.0009	.0207	-.0022

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4741.8**	**112480.**	**9321.1**
Stddev	5.0	1134.	55.4
%RSD	.10593	1.0082	.59406
#1	4745.4	111680.	9360.3
#2	4738.3	113290.	9281.9

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/16/2013 15:14:44 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0001**	**523.3**	**.0006**	**.0022**	**.0009**	**.0000**	**.0001**	**454.4**	**.0001**
Stddev	.0002	13.5	.0010	.0013	.0007	.000	.0000	2.1	.0001
%RSD	116.0	2.571	152.8	60.44	78.21	36.46	41.35	.4668	76.78
#1	.0002	532.8	.0013	.0031	.0004	.0000	.0001	455.9	.0001
#2	.0000	513.8	-.0001	.0013	.0014	.0000	.0001	452.9	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0015**	**.0001**	**-.0044**	**191.1**	**.1596**	**505.2**	**.0003**	**-.0021**	**.0393**
Stddev	.0003	.0007	.0001	3.0	.0336	7.4	.0002	.0001	.0159
%RSD	21.62	722.3	1.709	1.560	21.02	1.461	70.55	5.018	40.51
#1	-.0017	-.0004	-.0043	193.2	.1359	510.5	.0001	-.0022	.0280
#2	-.0013	.0006	-.0044	189.0	.1834	500.0	.0004	-.0020	.0506

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0047**	**-.0012**	**-.0003**	**-.0037**	**.1016**	**-.0008**	**.0028**	**.0430**	**-.0019**
Stddev	.0001	.0015	.0014	.0006	.0035	.0003	.0025	.0013	.0002
%RSD	1.336	132.7	547.7	15.40	3.427	38.89	91.29	2.905	9.159
#1	-.0047	-.0001	.0008	-.0033	.1040	-.0006	.0046	.0422	-.0018
#2	-.0046	-.0023	-.0013	-.0041	.0991	-.0011	.0010	.0439	-.0021

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0077**	**.0056**	**-.0006**	**.0003**	**-.0166**	**-.0005**	**-.0002**
Stddev	.0000	.0002	.0016	.0007	.0028	.0001	.0002
%RSD	.2425	2.733	278.9	197.6	16.62	14.53	119.2
#1	-.0077	.0055	.0005	-.0001	-.0185	-.0005	-.0003
#2	-.0077	.0057	-.0017	.0008	-.0146	-.0004	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4367.7**	**104810.**	**9045.3**
Stddev	22.9	64.	140.3
%RSD	.52433	.06107	1.5506
#1	4383.9	104770.	8946.1
#2	4351.5	104860.	9144.5

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/16/2013 15:19:44 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**1.016**	**511.0**	**2.036**	**.4595**	**.9338**	**.5000**	**.4607**	**446.4**	**.9753**
Stddev	.006	4.1	.001	.0017	.0006	.0002	.0019	7.7	.0003
%RSD	.5675	.8017	.0634	.3723	.0692	.0335	.4086	1.733	.0295
#1	1.021	508.1	2.037	.4607	.9342	.5001	.4594	440.9	.9751
#2	1.012	513.9	2.035	.4583	.9333	.4999	.4620	451.9	.9755

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4487**	**.4540**	**.4700**	**187.6**	**.0780**	**496.5**	**.4658**	**.8966**	**.0311**
Stddev	.0006	.0028	.0043	1.0	.0187	2.7	.0037	.0003	.0004
%RSD	.1426	.6184	.9078	.5394	23.94	.5485	.8034	.0360	1.289
#1	.4492	.4560	.4730	186.9	.0648	494.6	.4685	.8963	.0308
#2	.4482	.4520	.4669	188.3	.0912	498.4	.4632	.8968	.0314

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.8219**	**.8356**	**.4741**	**.4591**	**.5538**	**1.973**	**1.933**	**1.985**	**.8827**
Stddev	.0017	.0028	.0021	.0030	.0057	.002	.001	.001	.0005
%RSD	.2057	.3399	.4515	.6522	1.024	.0931	.0556	.0454	.0615
#1	.8231	.8376	.4756	.4612	.5497	1.972	1.932	1.986	.8823
#2	.8207	.8336	.4726	.4570	.5578	1.975	1.934	1.984	.8831

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.9697**	**.4609**	**1.723**	**.4643**	**1.762**	**.8734**	**.3777**
Stddev	.0023	.0029	.000	.0040	.001	.0020	.0018
%RSD	.2401	.6300	.0103	.8709	.0475	.2274	.4666
#1	.9680	.4630	1.723	.4672	1.762	.8748	.3789
#2	.9713	.4589	1.723	.4615	1.763	.8720	.3764

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4396.1**	**104880.**	**9206.3**
Stddev	8.3	586.	59.4
%RSD	.18983	.55840	.64495
#1	4390.2	104460.	9248.3
#2	4402.0	105290.	9164.4

Zoom In Zoom Out

Sample Name: MP22261-B1 Acquired: 12/16/2013 15:24:36 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2009**	**2.006**	**.5225**	**-.0001**	**.0024**	**1.884**	**.4876**	**23.99**	**.4973**
Stddev	.0003	.015	.0001	.0001	.0003	.003	.0011	.13	.0005
%RSD	.1517	.7570	.0124	250.7	12.10	.1416	.2250	.5553	.1061
#1	.2007	2.016	.5225	-.0002	.0026	1.886	.4884	24.08	.4969
#2	.2011	1.995	.5226	.0000	.0022	1.882	.4868	23.89	.4977

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4983**	**.4933**	**.4702**	**1.951**	**24.45**	**24.62**	**.4888**	**.0022**	**24.74**
Stddev	.0008	.0001	.0002	.015	.07	.18	.0007	.0006	.07
%RSD	.1548	.0211	.0357	.7793	.2680	.7407	.1530	27.73	.2873
#1	.4978	.4932	.4704	1.961	24.50	24.74	.4894	.0026	24.79
#2	.4989	.4933	.4701	1.940	24.41	24.49	.4883	.0018	24.69

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.4725**	**.9180**	**-.0004**	**-.0014**	**.0041**	**.5003**	**.5014**	**.0144**	**-.0006**
Stddev	.0007	.0007	.0007	.0001	.0024	.0011	.0002	.0003	.0000
%RSD	.1534	.0709	182.8	8.119	57.33	.2112	.0388	2.388	1.154
#1	.4720	.9175	.0001	-.0014	.0058	.4996	.5013	.0142	-.0006
#2	.4730	.9184	-.0009	-.0013	.0024	.5011	.5016	.0147	-.0006

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4852**	**.4713**	**.4939**	**.4979**	**.0122**	**.4995**	**.0498**
Stddev	.0018	.0003	.0019	.0011	.0010	.0008	.0052
%RSD	.3734	.0616	.3934	.2192	8.530	.1649	10.44
#1	.4865	.4711	.4925	.4971	.0130	.4989	.0535
#2	.4839	.4715	.4952	.4987	.0115	.5000	.0462

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4686.9**	**112320.**	**9518.7**
Stddev	10.0	106.	87.5
%RSD	.21378	.09414	.91941
#1	4693.9	112400.	9456.8
#2	4679.8	112250.	9580.6

Zoom In Zoom Out

Sample Name: MP22261-MB1 Acquired: 12/16/2013 15:29:20 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**-.0011**	**.0004**	**-.0016**	**.0008**	**.0001**	**.0000**	**.0056**	**.0001**
Stddev	.0001	.0047	.0002	.0000	.0003	.0000	.000	.0005	.0000
%RSD	159.4	429.4	58.24	1.238	38.35	34.43	180.7	8.789	12.62
#1	.0000	.0022	.0002	-.0017	.0010	.0001	.0000	.0060	.0001
#2	.0001	-.0044	.0006	-.0016	.0006	.0001	.0000	.0053	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**.0001**	**.0003**	**.0033**	**.0277**	**-.0082**	**.0001**	**.0007**	**.0276**
Stddev	.0000	.0000	.0001	.0008	.0209	.0050	.0000	.0002	.0110
%RSD	18.17	11.01	23.21	25.00	75.36	60.75	6.707	27.06	40.04
#1	-.0002	.0001	.0002	.0027	.0129	-.0117	.0001	.0009	.0198
#2	-.0003	.0001	.0003	.0039	.0424	-.0047	.0001	.0006	.0354

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**-.0001**	**.0002**	**.0020**	**.0026**	**.0011**	**.0023**	**.0164**	**-.0001**
Stddev	.0000	.0003	.0004	.0010	.0024	.0005	.0006	.0001	.0001
%RSD	23.80	325.3	194.4	51.81	91.85	43.51	27.11	.6446	125.9
#1	.0001	-.0003	-.0001	.0012	.0009	.0014	.0019	.0165	.0000
#2	.0001	.0001	.0005	.0027	.0043	.0007	.0028	.0163	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0001**	**.0002**	**.0002**	**.0075**	**.0041**	**-.0025**
Stddev	.0000	.0002	.0000	.0003	.0001	.0001	.0010
%RSD	41.07	339.3	14.16	127.2	1.405	1.895	38.26
#1	.0001	-.0001	.0002	.0000	.0076	.0040	-.0018
#2	.0001	.0002	.0003	.0004	.0075	.0041	-.0032

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4737.0**	**113680.**	**9583.0**
Stddev	13.0	899.	46.4
%RSD	.27547	.79087	.48469
#1	4746.2	113050.	9550.2
#2	4727.8	114320.	9615.9

Zoom In Zoom Out

Sample Name: MP22261-S1 Acquired: 12/16/2013 15:34:14 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2063**	**2.107**	**.5363**	**-.0004**	**.0248**	**2.054**	**.4985**	**46.42**	**.5077**
Stddev	.0008	.003	.0006	.0010	.0000	.002	.0005	.06	.0006
%RSD	.3840	.1603	.1059	280.5	.1832	.1050	.0940	.1341	.1213
#1	.2057	2.105	.5359	-.0011	.0248	2.052	.4982	46.37	.5073
#2	.2068	2.110	.5367	.0003	.0249	2.056	.4988	46.46	.5082

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5077**	**.5067**	**.4880**	**2.236**	**30.34**	**29.39**	**1.762**	**.0014**	**162.8**
Stddev	.0015	.0013	.0012	.002	.07	.08	.005	.0001	.2
%RSD	.2962	.2571	.2554	.0982	.2359	.2592	.2864	6.669	.1355
#1	.5066	.5076	.4889	2.238	30.29	29.44	1.765	.0015	162.7
#2	.5087	.5058	.4871	2.235	30.39	29.34	1.758	.0013	163.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.4774**	**.9352**	**-.0018**	**-.0059**	**5.761**	**.5150**	**.5119**	**5.759**	**-.0006**
Stddev	.0018	.0033	.0016	.0010	.011	.0004	.0019	.018	.0000
%RSD	.3790	.3505	88.96	17.04	.1933	.0855	.3687	.3209	3.937
#1	.4761	.9329	-.0007	-.0052	5.753	.5153	.5105	5.746	-.0006
#2	.4786	.9375	-.0029	-.0066	5.769	.5147	.5132	5.772	-.0006

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.6444**	**.4829**	**.4950**	**.5115**	**.0038**	**1.208**	**-.0246**
Stddev	.0002	.0026	.0008	.0020	.0008	.004	.0006
%RSD	.0288	.5371	.1540	.3831	20.12	.3483	2.520
#1	.6443	.4848	.4945	.5129	.0033	1.205	-.0242
#2	.6445	.4811	.4955	.5101	.0044	1.211	-.0250

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4600.3**	**109420.**	**9431.6**
Stddev	9.4	442.	24.1
%RSD	.20432	.40360	.25523
#1	4606.9	109110.	9448.7
#2	4593.7	109740.	9414.6

Zoom In Zoom Out

Sample Name: MP22261-S2 Acquired: 12/16/2013 15:38:59 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2058**	**2.077**	**.5264**	**-.0003**	**.0249**	**2.041**	**.4901**	**46.27**	**.4976**
Stddev	.0001	.001	.0018	.0015	.0002	.009	.0027	.25	.0005
%RSD	.0455	.0509	.3514	461.8	.6351	.4227	.5589	.5359	.1001
#1	.2057	2.077	.5250	.0008	.0248	2.035	.4882	46.09	.4972
#2	.2058	2.078	.5277	-.0014	.0250	2.047	.4921	46.44	.4979

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4980**	**.4986**	**.4793**	**2.219**	**30.20**	**29.51**	**1.746**	**.0012**	**160.7**
Stddev	.0011	.0042	.0040	.000	.00	.25	.009	.0000	.6
%RSD	.2264	.8338	.8388	.0181	.0083	.8623	.5349	1.598	.3858
#1	.4972	.5016	.4822	2.219	30.20	29.33	1.753	.0012	160.2
#2	.4988	.4957	.4765	2.219	30.20	29.69	1.739	.0012	161.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.4677**	**.9304**	**-.0015**	**-.0085**	**5.710**	**.5064**	**.5008**	**5.743**	**-.0008**
Stddev	.0000	.0058	.0009	.0012	.006	.0006	.0030	.026	.0000
%RSD	.0001	.6248	61.23	14.46	.1046	.1265	.6003	.4547	5.870
#1	.4677	.9263	-.0008	-.0093	5.706	.5059	.4987	5.724	-.0008
#2	.4677	.9345	-.0021	-.0076	5.714	.5068	.5029	5.761	-.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.6311**	**.4746**	**.4867**	**.5008**	**.0017**	**1.194**	**-.0298**
Stddev	.0014	.0038	.0026	.0035	.0019	.003	.0004
%RSD	.2271	.8076	.5339	.6958	107.8	.2419	1.508
#1	.6301	.4773	.4848	.5033	.0031	1.192	-.0295
#2	.6321	.4719	.4885	.4984	.0004	1.196	-.0301

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4606.4**	**109650.**	**9380.7**
Stddev	17.7	250.	93.2
%RSD	.38525	.22804	.99372
#1	4619.0	109480.	9446.6
#2	4593.9	109830.	9314.8

Zoom In Zoom Out

Sample Name: MC27087-3F Acquired: 12/16/2013 15:43:44 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0008**	**.0185**	**-.0006**	**-.0003**	**.0238**	**.1015**	**.0000**	**22.23**	**.0004**
Stddev	.0002	.0079	.0005	.0002	.0000	.0002	.000	.07	.0000
%RSD	32.16	42.71	87.70	49.36	.0465	.2083	42.56	.3096	5.349
#1	.0009	.0241	-.0002	-.0002	.0238	.1017	-.0001	22.28	.0004
#2	.0006	.0129	-.0010	-.0004	.0237	.1014	.0000	22.19	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0021**	**.0013**	**.0073**	**.2458**	**5.659**	**4.301**	**1.267**	**.0012**	**138.5**
Stddev	.0000	.0002	.0002	.0009	.029	.038	.004	.0001	.4
%RSD	.2357	15.12	2.847	.3474	.5155	.8931	.3036	7.492	.2591
#1	.0021	.0015	.0071	.2464	5.679	4.328	1.269	.0012	138.7
#2	.0021	.0012	.0074	.2452	5.638	4.274	1.264	.0011	138.2

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0015**	**-.0004**	**-.0016**	**-.0003**	**5.738**	**.0010**	**-.0002**	**5.683**	**-.0001**
Stddev	.0000	.0004	.0006	.0022	.006	.0002	.0004	.002	.0002
%RSD	3.324	112.1	39.03	653.1	.1129	22.82	192.3	.0381	128.0
#1	.0014	-.0007	-.0021	.0012	5.734	.0009	.0001	5.684	.0000
#2	.0015	-.0001	-.0012	-.0019	5.743	.0012	-.0005	5.681	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1521**	**.0004**	**.0006**	**.0012**	**.0062**	**.7123**	**-.0326**
Stddev	.0006	.0001	.0004	.0004	.0022	.0013	.0002
%RSD	.4154	17.79	57.83	37.63	34.93	.1776	.5493
#1	.1517	.0004	.0004	.0009	.0078	.7114	-.0325
#2	.1526	.0005	.0009	.0015	.0047	.7132	-.0328

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4653.7**	**110740.**	**9477.5**
Stddev	5.1	443.	63.6
%RSD	.11028	.39966	.67079
#1	4650.1	110420.	9432.6
#2	4657.4	111050.	9522.5

Zoom In Zoom Out

Sample Name: MP22261-SD1 Acquired: 12/16/2013 15:48:35 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0007**	**.0757**	**-.0006**	**-.0051**	**.0257**	**.0995**	**-.0003**	**22.31**	**.0005**
Stddev	.0000	.0121	.0012	.0062	.0013	.0005	.0000	.02	.0000
%RSD	4.372	15.97	185.2	121.2	5.079	.5204	10.72	.0929	4.728
#1	-.0006	.0672	.0002	-.0007	.0266	.0991	-.0003	22.33	.0005
#2	-.0007	.0843	-.0015	-.0095	.0247	.0999	-.0002	22.30	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0019**	**.0020**	**.0069**	**.2528**	**5.979**	**4.116**	**1.253**	**.0022**	**147.3**
Stddev	.0003	.0006	.0028	.0108	.136	.219	.002	.0003	.2
%RSD	13.55	31.96	41.22	4.278	2.268	5.313	.1754	15.12	.1430
#1	.0021	.0024	.0089	.2605	6.075	4.270	1.251	.0025	147.4
#2	.0017	.0015	.0049	.2452	5.883	3.961	1.255	.0020	147.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0010**	**.0002**	**-.0002**	**.0129**	**5.696**	**-.0005**	**.0033**	**5.688**	**-.0014**
Stddev	.0005	.0007	.0008	.0051	.003	.0015	.0008	.026	.0007
%RSD	49.16	289.4	503.9	40.02	.0463	281.0	23.53	.4637	50.39
#1	.0014	-.0002	-.0007	.0165	5.694	.0005	.0027	5.670	-.0009
#2	.0007	.0007	.0004	.0092	5.697	-.0016	.0038	5.707	-.0019

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1515**	**.0002**	**.0022**	**.0019**	**.0158**	**.7173**	**-.0415**
Stddev	.0003	.0009	.0003	.0005	.0023	.0009	.0022
%RSD	.1663	521.0	12.39	28.05	14.77	.1213	5.358
#1	.1513	.0008	.0020	.0015	.0175	.7167	-.0431
#2	.1517	-.0005	.0024	.0022	.0142	.7179	-.0399

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4743.0**	**113210.**	**9556.1**
Stddev	15.4	700.	1.4
%RSD	.32494	.61854	.01491
#1	4753.9	113710.	9555.0
#2	4732.1	112710.	9557.1

Zoom In Zoom Out

Sample Name: MP22261-B2 Acquired: 12/16/2013 15:53:27 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2037**	**2.049**	**.5306**	**-.0006**	**.0017**	**1.909**	**.4960**	**24.18**	**.5035**
Stddev	.0007	.003	.0014	.0007	.0001	.002	.0015	.01	.0009
%RSD	.3415	.1591	.2668	104.5	3.727	.0767	.3013	.0325	.1732
#1	.2032	2.047	.5296	-.0011	.0018	1.910	.4971	24.17	.5029
#2	.2042	2.051	.5316	-.0002	.0017	1.908	.4949	24.18	.5041

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5061**	**.5055**	**.4778**	**1.943**	**24.76**	**24.94**	**.4987**	**.0001**	**24.75**
Stddev	.0018	.0025	.0024	.003	.11	.04	.0011	.0001	.08
%RSD	.3616	.5027	.5060	.1358	.4600	.1640	.2186	109.8	.3201
#1	.5048	.5073	.4761	1.941	24.84	24.97	.4995	.0000	24.81
#2	.5074	.5037	.4795	1.945	24.68	24.91	.4979	.0002	24.69

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.4771**	**.9360**	**-.0008**	**.0015**	**-.0001**	**.5114**	**.5110**	**.0158**	**-.0009**
Stddev	.0005	.0047	.0007	.0048	.0023	.0017	.0009	.0003	.0000
%RSD	.1051	.5053	86.72	309.0	2254.	.3365	.1799	2.187	4.518
#1	.4768	.9327	-.0012	-.0018	.0015	.5102	.5103	.0160	-.0009
#2	.4775	.9393	-.0003	.0049	-.0017	.5127	.5116	.0155	-.0009

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4865**	**.4808**	**.5042**	**.5070**	**.0022**	**.5067**	**-.0001**
Stddev	.0010	.0013	.0022	.0013	.0014	.0015	.0007
%RSD	.1986	.2613	.4266	.2507	65.63	.2968	452.5
#1	.4858	.4817	.5027	.5079	.0031	.5057	.0003
#2	.4872	.4799	.5058	.5061	.0012	.5078	-.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4693.2**	**111780.**	**9474.9**
Stddev	15.1	370.	25.2
%RSD	.32120	.33075	.26599
#1	4703.8	111520.	9457.0
#2	4682.5	112040.	9492.7

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/16/2013 15:58:13 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2416**	**9.851**	**1.937**	**-.0008**	**1.932**	**1.950**	**1.955**	**9.854**	**1.935**
Stddev	.0083	.063	.009	.0001	.008	.006	.008	.071	.006
%RSD	3.443	.6366	.4790	9.733	.4016	.3193	.4109	.7241	.3367
#1	.2475	9.807	1.930	-.0008	1.927	1.946	1.950	9.803	1.931
#2	.2357	9.896	1.943	-.0009	1.938	1.955	1.961	9.904	1.940

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.011**	**1.895**	**1.894**	**9.969**	**9.904**	**9.903**	**1.945**	**1.929**	**9.940**
Stddev	.007	.072	.072	.007	.065	.129	.071	.012	.036
%RSD	.3569	3.819	3.784	.0741	.6532	1.306	3.671	.5943	.3675
#1	2.006	1.946	1.945	9.963	9.859	9.811	1.995	1.921	9.914
#2	2.016	1.844	1.843	9.974	9.950	9.994	1.894	1.937	9.965

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.910**	**1.905**	**.0019**	**-.0068**	**-.0013**	**1.943**	**1.939**	**.0099**	**1.903**
Stddev	.007	.007	.0009	.0017	.0005	.005	.006	.0036	.005
%RSD	.3480	.3547	46.69	25.36	40.39	.2374	.3174	36.71	.2542
#1	1.905	1.900	.0026	-.0056	-.0009	1.939	1.935	.0073	1.900
#2	1.915	1.910	.0013	-.0080	-.0016	1.946	1.944	.0124	1.907

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.974**	**1.882**	**1.932**	**1.874**	**-.0040**	**1.919**	**.0010**
Stddev	.003	.069	.005	.067	.0009	.005	.0032
%RSD	.1698	3.656	.2697	3.551	22.89	.2422	326.7
#1	1.972	1.931	1.928	1.921	-.0047	1.916	.0032
#2	1.977	1.834	1.935	1.827	-.0034	1.922	-.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4784.2**	**114420.**	**9429.4**
Stddev	14.7	3437.	22.2
%RSD	.30630	3.0037	.23498
#1	4794.6	111990.	9445.0
#2	4773.8	116850.	9413.7

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/16/2013 16:02:56 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**-.0135**	**.0003**	**-.0015**	**.0016**	**.0002**	**.0001**	**-.0042**	**.0002**
Stddev	.0002	.0092	.0005	.0016	.0001	.0001	.0000	.0062	.0001
%RSD	831.8	67.96	165.6	109.0	7.003	30.42	53.44	147.0	72.31
#1	.0001	-.0070	.0006	-.0027	.0017	.0003	.0001	.0002	.0001
#2	-.0001	-.0200	-.0001	-.0003	.0016	.0002	.0001	-.0086	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0001**	**.0000**	**-.0004**	**.0949**	**.0078**	**.0000**	**.0033**	**.0821**
Stddev	.0000	.0000	.000	.0047	.0594	.0208	.0000	.0007	.0064
%RSD	70.52	6.338	1132.	1266.	62.58	266.0	825.3	20.12	7.767
#1	.0000	.0001	.0001	.0029	.1368	-.0069	.0000	.0038	.0867
#2	.0001	.0001	-.0002	-.0037	.0529	.0225	.0000	.0028	.0776

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0004**	**.0000**	**-.0010**	**.0017**	**-.0006**	**-.0001**	**.0005**	**.0023**	**.0004**
Stddev	.0000	.0003	.0008	.0033	.0018	.0002	.0000	.0006	.0003
%RSD	1.047	1847.	84.24	194.4	321.4	127.7	9.724	27.95	88.20
#1	.0004	.0002	-.0015	-.0006	.0007	.0000	.0004	.0027	.0001
#2	.0004	-.0002	-.0004	.0040	-.0019	-.0002	.0005	.0018	.0006

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0001**	**.0013**	**.0005**	**-.0019**	**.0001**	**-.0021**
Stddev	.0000	.0003	.0005	.0000	.0009	.0002	.0003
%RSD	39.06	224.7	39.81	7.774	46.41	227.3	15.46
#1	.0001	-.0001	.0017	.0005	-.0012	.0000	-.0018
#2	.0000	.0003	.0009	.0005	-.0025	.0002	-.0023

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4756.8**	**112920.**	**9383.6**
Stddev	8.7	116.	18.4
%RSD	.18326	.10249	.19588
#1	4750.6	113000.	9396.6
#2	4762.9	112840.	9370.6

Zoom In Zoom Out

Sample Name: MC27081-1 Acquired: 12/16/2013 16:07:51 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0010**	**20.63**	**.0323**	**.0008**	**.0636**	**.2513**	**.0006**	**86.49**	**.0006**
Stddev	.0001	.01	.0005	.0002	.0002	.0005	.0000	.20	.0001
%RSD	10.30	.0536	1.627	21.31	.3341	.2067	5.476	.2342	21.52
#1	.0010	20.63	.0319	.0009	.0634	.2510	.0006	86.35	.0007
#2	.0011	20.62	.0326	.0007	.0637	.2517	.0006	86.63	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0098**	**.0205**	**.0324**	**10.87**	**9.566**	**20.16**	**3.288**	**.0155**	**186.9**
Stddev	.0000	.0005	.0002	.05	.002	.27	.026	.0000	.6
%RSD	.1167	2.237	.4675	.4611	.0203	1.357	.7822	.2899	.3197
#1	.0098	.0202	.0325	10.84	9.565	19.96	3.270	.0154	187.4
#2	.0098	.0208	.0323	10.91	9.568	20.35	3.306	.0155	186.5

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0209**	**.0051**	**-.0047**	**-.0117**	**F 23.55**	**.0027**	**.0022**	**39.86**	**-.0007**
Stddev	.0000	.0007	.0002	.0031	.02	.0003	.0008	.03	.0001
%RSD	.1180	14.75	4.465	26.24	.0989	11.62	34.73	.0695	21.63
#1	.0210	.0056	-.0048	-.0139	23.57	.0025	.0027	39.84	-.0008
#2	.0209	.0045	-.0045	-.0095	23.53	.0030	.0016	39.88	-.0006

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2810**	**.8526**	**.0004**	**.0315**	**.0005**	**.0714**	**-.2023**
Stddev	.0003	.0156	.0002	.0002	.0014	.0003	.0013
%RSD	.1047	1.830	57.98	.5067	310.9	.3899	.6183
#1	.2808	.8636	.0005	.0314	.0015	.0716	-.2014
#2	.2812	.8416	.0002	.0316	-.0006	.0712	-.2032

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4726.3**	**113220.**	**9814.1**
Stddev	9.8	691.	13.8
%RSD	.20702	.61058	.14061
#1	4719.3	113710.	9823.9
#2	4733.2	112730.	9804.4

Zoom In Zoom Out

Sample Name: MC27086-3 Acquired: 12/16/2013 16:12:45 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.0180**	**.0001**	**-.0011**	**.0006**	**-.0001**	**.0000**	**.0071**	**.0001**
Stddev	.0002	.0093	.0004	.0002	.0001	.0001	.000	.0010	.0000
%RSD	299.7	51.74	288.1	15.96	15.94	68.62	121.1	14.11	11.65
#1	.0001	.0114	.0005	-.0010	.0007	-.0002	.0000	.0078	.0001
#2	-.0002	.0246	-.0002	-.0013	.0006	-.0001	-.0001	.0064	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0002**	**.0007**	**.0018**	**.0847**	**.0138**	**.0001**	**.0006**	**.2112**
Stddev	.0001	.0000	.0001	.0022	.0017	.0040	.0001	.0001	.0107
%RSD	65.65	12.44	8.755	117.9	1.954	28.86	74.88	9.956	5.052
#1	-.0002	.0002	.0007	.0003	.0835	.0166	.0001	.0006	.2187
#2	-.0001	.0002	.0008	.0034	.0858	.0110	.0000	.0005	.2036

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0002**	**.0001**	**.0014**	**.0023**	**.0039**	**.0000**	**.0010**	**.0467**	**-.0001**
Stddev	.0000	.0003	.0001	.0001	.0007	.0005	.0004	.0053	.0000
%RSD	20.04	226.0	9.290	4.625	17.68	9662.	42.71	11.29	58.39
#1	.0002	-.0001	.0015	.0024	.0034	.0003	.0014	.0505	.0000
#2	.0002	.0003	.0013	.0022	.0044	-.0003	.0007	.0430	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0001**	**-.0006**	**.0001**	**.0056**	**.0058**	**-.0033**
Stddev	.000	.0000	.0000	.0000	.0030	.0001	.0002
%RSD	378.3	23.15	6.797	23.84	53.16	1.071	6.123
#1	.0000	.0001	-.0005	.0001	.0035	.0058	-.0031
#2	.0000	.0002	-.0006	.0002	.0077	.0058	-.0034

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4728.6**	**114340.**	**9650.8**
Stddev	3.1	766.	32.1
%RSD	.06604	.67000	.33221
#1	4726.4	113800.	9628.1
#2	4730.8	114880.	9673.5

Zoom In Zoom Out

Sample Name: MC27087-3 Acquired: 12/16/2013 16:17:40 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**.1213**	**.0001**	**.0000**	**.0233**	**.1106**	**-.0001**	**21.62**	**.0005**
Stddev	.0001	.0051	.0001	.0001	.0003	.0013	.0000	.07	.0001
%RSD	43.87	4.206	77.71	351.2	1.438	1.205	64.81	.3447	15.60
#1	.0003	.1177	.0001	.0000	.0236	.1096	-.0001	21.56	.0005
#2	.0002	.1249	.0000	.0001	.0231	.1115	.0000	21.67	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0016**	**.0017**	**.0077**	**.6577**	**5.293**	**4.340**	**1.325**	**.0011**	**144.4**
Stddev	.0000	.0001	.0001	.0023	.018	.026	.029	.0000	.1
%RSD	2.830	5.272	1.236	.3509	.3491	.6021	2.166	3.714	.0422
#1	.0016	.0016	.0078	.6561	5.306	4.321	1.305	.0011	144.4
#2	.0017	.0017	.0076	.6594	5.280	4.358	1.345	.0011	144.5

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0010**	**.0002**	**-.0015**	**-.0010**	**5.592**	**.0003**	**.0012**	**5.990**	**-.0003**
Stddev	.0001	.0003	.0009	.0045	.035	.0007	.0002	.038	.0000
%RSD	8.356	152.0	58.78	431.8	.6255	262.0	13.60	.6360	1.557
#1	.0010	.0000	-.0022	.0021	5.617	-.0002	.0013	6.017	-.0003
#2	.0011	.0003	-.0009	-.0042	5.568	.0008	.0011	5.963	-.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1537**	**.0028**	**-.0005**	**.0003**	**.0017**	**.5263**	**-.0366**
Stddev	.0004	.0001	.0004	.0000	.0001	.0000	.0010
%RSD	.2342	2.431	86.27	6.471	6.946	.0054	2.730
#1	.1534	.0029	-.0002	.0003	.0016	.5264	-.0373
#2	.1539	.0028	-.0008	.0003	.0018	.5263	-.0359

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4661.5**	**113920.**	**9813.1**
Stddev	21.7	1638.	64.5
%RSD	.46482	1.4377	.65726
#1	4646.2	115080.	9858.7
#2	4676.8	112770.	9767.5

Zoom In Zoom Out

Sample Name: MC27087-9 Acquired: 12/16/2013 16:22:31 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0001**	**.0302**	**.0006**	**-.0001**	**.0209**	**.0696**	**.0000**	**13.27**	**-.0001**
Stddev	.0003	.0166	.0013	.0002	.0001	.0003	.0001	.02	.0000
%RSD	269.8	55.00	200.2	187.8	.6665	.4996	172.0	.1638	33.00
#1	-.0001	.0419	.0015	.0000	.0208	.0699	.0000	13.28	-.0001
#2	.0003	.0184	-.0003	-.0002	.0210	.0694	.0001	13.25	-.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0006**	**.0005**	**-.0008**	**38.19**	**3.436**	**3.041**	**.8972**	**.0002**	**37.39**
Stddev	.0001	.0002	.0000	.17	.051	.078	.0039	.0000	.06
%RSD	14.18	31.03	2.654	.4539	1.478	2.574	.4333	1.954	.1573
#1	.0005	.0004	-.0008	38.31	3.472	3.096	.8999	.0002	37.43
#2	.0007	.0006	-.0008	38.07	3.400	2.986	.8944	.0002	37.35

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0001**	**-.0003**	**.0032**	**-.0032**	**.7344**	**.0003**	**.0013**	**7.142**	**-.0001**
Stddev	.0000	.0000	.0022	.0003	.0001	.0004	.0005	.000	.0001
%RSD	44.74	2.476	67.88	9.989	.0091	168.1	39.12	.0046	69.63
#1	-.0001	-.0003	.0017	-.0034	.7343	.0000	.0010	7.142	-.0001
#2	-.0001	-.0003	.0048	-.0030	.7344	.0006	.0017	7.142	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1041**	**.0002**	**-.0003**	**.0012**	**.0067**	**.0118**	**-.0426**
Stddev	.0001	.0002	.0001	.0002	.0004	.0000	.0003
%RSD	.0887	88.01	42.32	15.01	5.765	.0358	.8149
#1	.1040	.0003	-.0002	.0010	.0070	.0118	-.0424
#2	.1042	.0001	-.0004	.0013	.0064	.0118	-.0429

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4724.7**	**113420.**	**9636.4**
Stddev	5.3	714.	90.4
%RSD	.11213	.62976	.93844
#1	4720.9	112910.	9572.5
#2	4728.4	113920.	9700.4

Zoom In Zoom Out

Sample Name: MC27087-9F Acquired: 12/16/2013 16:27:22 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.0210**	**.0007**	**.0001**	**.0204**	**.0721**	**.0000**	**13.76**	**-.0002**
Stddev	.0003	.0116	.0005	.0002	.0002	.0003	.0001	.01	.0001
%RSD	79.89	55.10	62.92	169.0	1.132	.4518	682.0	.0916	23.15
#1	.0002	.0292	.0004	.0003	.0206	.0723	-.0001	13.77	-.0003
#2	.0007	.0128	.0011	.0000	.0202	.0718	.0001	13.75	-.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0007**	**.0008**	**-.0004**	**39.53**	**3.502**	**3.233**	**.9078**	**.0000**	**39.18**
Stddev	.0000	.0005	.0001	.16	.001	.030	.0019	.0000	.00
%RSD	6.072	59.95	33.06	.4115	.0296	.9159	.2101	317.9	.0003
#1	.0008	.0011	-.0003	39.41	3.503	3.254	.9092	.0000	39.18
#2	.0007	.0004	-.0004	39.64	3.501	3.212	.9065	.0000	39.18

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0002**	**-.0004**	**.0037**	**-.0022**	**.6301**	**.0000**	**.0021**	**7.086**	**.0001**
Stddev	.0001	.0000	.0003	.0012	.0039	.000	.0001	.014	.0000
%RSD	37.82	9.550	6.872	55.17	.6255	3006.	5.399	.1932	51.73
#1	-.0002	-.0004	.0039	-.0014	.6273	.0000	.0021	7.095	.0000
#2	-.0001	-.0004	.0035	-.0031	.6329	.0000	.0022	7.076	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1074**	**.0001**	**-.0004**	**.0015**	**.0085**	**.0201**	**-.0423**
Stddev	.0003	.0001	.0001	.0000	.0010	.0001	.0003
%RSD	.2971	155.4	23.68	1.606	11.69	.3263	.6377
#1	.1071	.0002	-.0003	.0015	.0078	.0202	-.0425
#2	.1076	.0000	-.0004	.0015	.0092	.0201	-.0421

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4717.3**	**113290.**	**9568.1**
Stddev	9.6	150.	79.1
%RSD	.20309	.13268	.82718
#1	4710.5	113390.	9624.1
#2	4724.1	113180.	9512.2

Zoom In Zoom Out

Sample Name: MC27087-10 Acquired: 12/16/2013 16:32:16 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**-.0014**	**-.0008**	**-.0015**	**.0182**	**.0511**	**.0000**	**24.28**	**.0002**
Stddev	.0000	.0110	.0001	.0001	.0002	.0004	.000	.24	.0001
%RSD	20.28	798.9	13.53	9.178	1.034	.8623	459.9	.9991	70.24
#1	.0002	.0064	-.0007	-.0016	.0181	.0515	.0000	24.46	.0001
#2	.0003	-.0092	-.0009	-.0014	.0183	.0508	.0000	24.11	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**.0006**	**.0429**	**.0076**	**2.884**	**2.923**	**.0023**	**.0002**	**55.38**
Stddev	.0001	.0001	.0009	.0018	.006	.085	.0000	.0000	.57
%RSD	30.69	12.57	2.075	23.72	.2222	2.897	1.994	17.17	1.029
#1	-.0002	.0006	.0423	.0063	2.880	2.983	.0022	.0002	55.78
#2	-.0001	.0007	.0435	.0089	2.889	2.864	.0023	.0002	54.98

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**-.0006**	**-.0002**	**.0000**	**6.509**	**.0000**	**.0011**	**5.750**	**-.0003**
Stddev	.0001	.0002	.0005	.002	.012	.000	.0012	.002	.0000
%RSD	63.39	43.28	205.7	8255.	.1900	69.48	110.0	.0356	9.369
#1	.0002	-.0004	.0001	.0013	6.517	.0000	.0002	5.749	-.0003
#2	.0001	-.0007	-.0006	-.0013	6.500	-.0001	.0020	5.752	-.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1246**	**.0001**	**-.0004**	**.0002**	**-.0009**	**.0092**	**-.0340**
Stddev	.0007	.0000	.0005	.0003	.0007	.0001	.0009
%RSD	.5277	12.64	120.2	169.9	82.06	1.353	2.528
#1	.1250	.0001	-.0001	.0000	-.0004	.0093	-.0346
#2	.1241	.0001	-.0008	.0004	-.0014	.0091	-.0333

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4709.8**	**112150.**	**9676.1**
Stddev	7.6	898.	64.5
%RSD	.16179	.80070	.66633
#1	4704.5	112790.	9630.5
#2	4715.2	111520.	9721.7

Zoom In Zoom Out

Sample Name: MC27087-10F Acquired: 12/16/2013 16:37:08 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.0245**	**-.0003**	**-.0017**	**.0183**	**.0528**	**.0000**	**24.84**	**.0001**
Stddev	.0002	.0053	.0004	.0003	.0000	.0001	.000	.07	.0000
%RSD	44.83	21.63	133.6	17.26	.0592	.1007	101.2	.2718	19.51
#1	.0003	.0207	-.0005	-.0015	.0183	.0527	.0000	24.79	.0001
#2	.0005	.0282	.0000	-.0019	.0183	.0528	.0000	24.89	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0005**	**.0423**	**.0064**	**2.956**	**2.991**	**.0023**	**.0002**	**57.37**
Stddev	.000	.0000	.0002	.0027	.008	.032	.0001	.0000	.21
%RSD	175.8	.5712	.5207	41.89	.2836	1.067	2.990	11.20	.3729
#1	-.0001	.0005	.0425	.0045	2.962	2.968	.0023	.0002	57.22
#2	.0000	.0005	.0422	.0083	2.950	3.013	.0024	.0002	57.52

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**-.0006**	**-.0009**	**.0008**	**6.540**	**-.0002**	**.0014**	**5.866**	**-.0004**
Stddev	.0002	.0003	.0004	.0066	.016	.0001	.0003	.010	.0004
%RSD	189.3	56.73	41.30	832.1	.2469	37.71	23.50	.1756	79.60
#1	.0000	-.0008	-.0007	.0054	6.552	-.0003	.0016	5.874	-.0002
#2	.0002	-.0003	-.0012	-.0039	6.529	-.0002	.0011	5.859	-.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1290**	**.0000**	**-.0005**	**.0004**	**.0047**	**.0087**	**-.0354**
Stddev	.0013	.0002	.0002	.0001	.0024	.0000	.0013
%RSD	1.025	1367.	45.43	31.77	50.30	.2987	3.813
#1	.1281	.0002	-.0004	.0005	.0030	.0087	-.0363
#2	.1300	-.0001	-.0007	.0003	.0064	.0087	-.0344

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4690.4**	**113170.**	**9618.9**
Stddev	.8	1395.	1.1
%RSD	.01791	1.2326	.01141
#1	4689.8	114150.	9619.7
#2	4691.0	112180.	9618.2

Zoom In Zoom Out

Sample Name: MC27087-15 Acquired: 12/16/2013 16:42:01 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**2.025**	**.0022**	**-.0004**	**.0139**	**.0348**	**.0002**	**10.50**	**.0000**
Stddev	.0005	.006	.0002	.0008	.0001	.0000	.0000	.01	.000
%RSD	4005.	.3146	8.957	183.0	.5035	.1294	10.34	.1152	128.9
#1	-.0003	2.020	.0021	-.0010	.0139	.0348	.0002	10.51	.0000
#2	.0004	2.029	.0024	.0001	.0138	.0347	.0002	10.49	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0103**	**.0010**	**.0006**	**28.00**	**2.805**	**2.574**	**1.033**	**.0001**	**113.3**
Stddev	.0001	.0002	.0001	.03	.030	.000	.002	.0001	.2
%RSD	.8312	20.39	18.79	.1040	1.089	.0143	.2241	62.64	.1877
#1	.0103	.0009	.0005	27.98	2.827	2.574	1.034	.0002	113.4
#2	.0104	.0012	.0006	28.02	2.784	2.575	1.031	.0001	113.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0033**	**.0087**	**.0017**	**-.0036**	F **61.11**	**-.0006**	**.0016**	**4.417**	**.0000**
Stddev	.0001	.0002	.0001	.0021	.00	.0006	.0001	.016	.0000
%RSD	1.996	2.603	4.965	57.59	.0005	101.7	3.877	.3568	34.97
#1	.0032	.0086	.0017	-.0051	61.11	-.0002	.0016	4.406	.0001
#2	.0033	.0089	.0018	-.0021	61.11	-.0010	.0015	4.428	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0734**	**.0019**	**.0001**	**.0090**	**.0052**	**.0106**	**-.0276**
Stddev	.0002	.0001	.0001	.0002	.0013	.0001	.0001
%RSD	.2560	3.979	160.8	2.009	25.05	.5364	.3774
#1	.0735	.0019	.0000	.0091	.0043	.0105	-.0275
#2	.0732	.0018	.0001	.0089	.0061	.0106	-.0277

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4899.0**	**116860.**	**9963.2**
Stddev	8.0	267.	51.4
%RSD	.16385	.22863	.51584
#1	4904.7	116680.	9926.9
#2	4893.3	117050.	9999.6

Zoom In Zoom Out

Sample Name: MC27087-15F Acquired: 12/16/2013 16:46:53 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**.3288**	**.0026**	**-.0005**	**.0139**	**.0329**	**.0002**	**10.60**	**.0000**
Stddev	.0001	.0061	.0000	.0015	.0001	.0003	.0000	.05	.0000
%RSD	52.05	1.866	1.271	272.1	.6346	.9294	14.62	.4797	133.8
#1	.0003	.3332	.0026	.0005	.0140	.0331	.0002	10.64	.0001
#2	.0002	.3245	.0026	-.0016	.0139	.0327	.0002	10.57	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0113**	**.0006**	**-.0006**	**27.84**	**2.686**	**2.604**	**1.073**	**.0001**	**115.1**
Stddev	.0000	.0002	.0003	.01	.022	.019	.008	.0000	.3
%RSD	.3056	26.92	53.14	.0466	.8091	.7356	.7780	63.18	.2830
#1	.0113	.0005	-.0009	27.85	2.701	2.618	1.079	.0000	115.3
#2	.0113	.0007	-.0004	27.83	2.671	2.590	1.067	.0001	114.9

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0035**	**.0080**	**.0017**	**-.0051**	F **65.34**	**-.0003**	**.0004**	**4.060**	**-.0001**
Stddev	.0001	.0004	.0003	.0020	.11	.0003	.0004	.004	.0001
%RSD	2.834	4.731	18.65	38.36	.1708	84.13	94.94	.0853	121.8
#1	.0036	.0078	.0015	-.0065	65.26	-.0005	.0001	4.063	.0000
#2	.0034	.0083	.0019	-.0037	65.42	-.0001	.0007	4.058	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0728**	**-.0001**	**-.0007**	**.0074**	**.0055**	**.0112**	**-.0264**
Stddev	.0001	.0001	.0002	.0003	.0023	.0000	.0007
%RSD	.0964	261.4	33.27	4.351	41.84	.0814	2.832
#1	.0727	-.0001	-.0006	.0077	.0039	.0112	-.0259
#2	.0728	.0000	-.0009	.0072	.0072	.0112	-.0269

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4904.5**	**117400.**	**10029.**
Stddev	11.6	564.	34.
%RSD	.23648	.48062	.33511
#1	4896.3	117000.	10005.
#2	4912.7	117800.	10053.

Zoom In Zoom Out

Sample Name: MC27088-16 Acquired: 12/16/2013 16:51:45 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.0330**	**.0003**	**-.0011**	**.3150**	**.0873**	**.0000**	**41.80**	**.0016**
Stddev	.0002	.0170	.0008	.0001	.0012	.0002	.0000	.11	.0000
%RSD	62.22	51.54	248.5	13.07	.3885	.2257	30.36	.2573	1.050
#1	.0002	.0450	-.0002	-.0010	.3141	.0872	.0000	41.72	.0016
#2	.0005	.0210	.0008	-.0012	.3158	.0874	.0000	41.88	.0017

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0023**	**.0007**	**.0007**	**.0194**	**6.835**	**2.702**	**.1970**	**.0100**	F **328.1**
Stddev	.0002	.0003	.0002	.0005	.047	.069	.0005	.0000	1.9
%RSD	7.735	45.20	31.61	2.660	.6864	2.545	.2611	.4179	.5883
#1	.0021	.0005	.0009	.0198	6.868	2.653	.1966	.0101	329.4
#2	.0024	.0009	.0006	.0191	6.801	2.751	.1973	.0100	326.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0066**	**.0000**	**-.0014**	**-.0010**	**9.118**	**.0005**	**.0012**	**4.206**	**.0000**
Stddev	.0001	.000	.0006	.0023	.002	.0004	.0005	.009	.0001
%RSD	1.789	1668.	39.48	225.0	.0233	89.60	39.30	.2096	507.5
#1	.0067	.0001	-.0010	.0006	9.119	.0002	.0016	4.200	-.0001
#2	.0065	-.0001	-.0018	-.0027	9.116	.0008	.0009	4.212	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2828**	**.0005**	**-.0003**	**.0004**	**.0054**	**.0049**	**-.0238**
Stddev	.0009	.0001	.0005	.0006	.0007	.0001	.0001
%RSD	.3176	21.11	165.2	144.0	13.57	2.439	.5133
#1	.2821	.0004	.0000	.0009	.0059	.0049	-.0239
#2	.2834	.0006	-.0006	.0000	.0049	.0050	-.0237

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4533.5**	**108150.**	**9470.9**
Stddev	3.7	158.	9.3
%RSD	.08073	.14642	.09826
#1	4530.9	108260.	9477.4
#2	4536.1	108040.	9464.3

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/16/2013 16:56:43 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2407**	**9.857**	**1.958**	**-.0010**	**1.977**	**1.949**	**1.957**	**9.813**	**1.946**
Stddev	.0006	.009	.004	.0001	.004	.006	.006	.012	.000
%RSD	.2516	.0920	.2191	14.27	.2293	.2853	.3066	.1266	.0201
#1	.2411	9.851	1.955	-.0011	1.974	1.953	1.961	9.822	1.946
#2	.2403	9.864	1.961	-.0009	1.980	1.945	1.952	9.805	1.947

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.032**	**1.891**	**1.936**	**9.816**	**9.825**	**9.766**	**1.957**	**1.951**	**10.02**
Stddev	.000	.014	.006	.023	.001	.069	.008	.005	.03
%RSD	.0053	.7278	.3147	.2367	.0061	.7096	.4272	.2794	.2793
#1	2.032	1.901	1.941	9.833	9.825	9.815	1.963	1.948	10.04
#2	2.032	1.881	1.932	9.800	9.825	9.717	1.951	1.955	10.00

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.909**	**1.947**	**.0010**	**-.0061**	**.0042**	**1.979**	**1.964**	**.0112**	**1.933**
Stddev	.000	.003	.0011	.0018	.0024	.005	.004	.0006	.000
%RSD	.0212	.1500	108.3	30.36	56.99	.2676	.2281	5.595	.0100
#1	1.909	1.945	.0018	-.0074	.0025	1.975	1.961	.0108	1.933
#2	1.909	1.949	.0002	-.0048	.0059	1.982	1.968	.0117	1.933

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.947**	**1.883**	**1.977**	**1.876**	**-.0058**	**1.929**	**-.0069**
Stddev	.001	.014	.005	.012	.0033	.003	.0003
%RSD	.0438	.7350	.2537	.6347	56.26	.1719	4.453
#1	1.948	1.892	1.974	1.885	-.0081	1.932	-.0067
#2	1.946	1.873	1.981	1.868	-.0035	1.927	-.0072

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4739.7**	**115100.**	**9584.2**
Stddev	.6	580.	22.1
%RSD	.01352	.50353	.23069
#1	4740.1	114690.	9568.5
#2	4739.2	115510.	9599.8

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/16/2013 17:01:28 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**-.0097**	**.0002**	**-.0021**	**.0015**	**.0002**	**.0001**	**-.0015**	**.0002**
Stddev	.000	.0121	.0002	.0003	.0001	.0003	.0000	.0008	.0001
%RSD	3026.	124.7	83.85	15.83	6.992	140.7	52.64	53.49	65.03
#1	.0002	-.0183	.0004	-.0018	.0015	.0004	.0000	-.0009	.0001
#2	-.0002	-.0012	.0001	-.0023	.0014	.0000	.0001	-.0021	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0006**	**.0001**	**.0018**	**.0227**	**.0211**	**.0001**	**.0033**	**.2313**
Stddev	.0002	.0000	.0002	.0010	.0269	.0001	.0000	.0007	.0262
%RSD	112.6	.6946	271.8	53.07	118.6	.7091	61.33	22.54	11.34
#1	.0000	.0006	-.0001	.0011	.0418	.0213	.0001	.0038	.2498
#2	.0002	.0006	.0002	.0025	.0037	.0210	.0000	.0028	.2127

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0005**	**.0000**	**.0011**	**-.0005**	**.0038**	**.0010**	**.0010**	**.0027**	**.0004**
Stddev	.0003	.0007	.0013	.0003	.0001	.0002	.0002	.0000	.0001
%RSD	62.89	4977.	123.1	59.64	2.847	17.53	21.29	.3150	22.72
#1	.0003	-.0005	.0020	-.0008	.0037	.0012	.0012	.0027	.0003
#2	.0007	.0005	.0001	-.0003	.0038	.0009	.0009	.0027	.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0002**	**.0015**	**.0006**	**-.0003**	**.0001**	**-.0018**
Stddev	.0000	.0003	.0001	.0001	.0021	.0001	.0006
%RSD	2.486	152.3	4.580	13.88	778.0	109.4	35.79
#1	.0001	.0000	.0014	.0007	-.0018	.0000	-.0013
#2	.0001	.0004	.0015	.0006	.0012	.0001	-.0022

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4764.8**	**113860.**	**9469.9**
Stddev	64.9	721.	128.0
%RSD	1.3619	.63318	1.3514
#1	4810.7	113350.	9379.4
#2	4718.9	114370.	9560.4

Zoom In Zoom Out

Sample Name: MC27088-18 Acquired: 12/16/2013 17:06:23 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**.0045**	**.0000**	**-.0012**	**.0008**	**.0000**	**.0000**	**.0068**	**.0001**
Stddev	.0001	.0071	.0004	.0008	.0001	.0000	.000	.0022	.0000
%RSD	51.88	157.3	1396.	64.61	9.996	1299.	342.2	32.95	32.23
#1	.0001	-.0005	-.0003	-.0018	.0008	.0000	.0000	.0084	.0001
#2	.0002	.0095	.0003	-.0007	.0009	.0000	.0000	.0052	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0004**	**.0003**	**-.0013**	**.0083**	**-.0196**	**.0000**	**.0009**	**.1988**
Stddev	.0000	.0001	.0003	.0030	.0082	.0245	.0000	.0001	.0128
%RSD	4.733	23.68	103.2	242.2	98.80	125.1	363.7	16.36	6.425
#1	-.0001	.0004	.0005	-.0034	.0025	-.0369	.0000	.0010	.2079
#2	-.0001	.0005	.0001	.0009	.0141	-.0023	.0000	.0008	.1898

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0000**	**-.0001**	**-.0006**	**.0003**	**.0036**	**.0001**	**.0003**	**.0370**	**-.0001**
Stddev	.0000	.0001	.0002	.0027	.0012	.0001	.0005	.0001	.0001
%RSD	3070.	105.5	23.99	858.9	34.09	115.3	195.5	.3074	214.3
#1	.0000	.0000	-.0005	-.0016	.0028	.0002	.0006	.0371	-.0002
#2	.0000	-.0001	-.0007	.0022	.0045	.0000	-.0001	.0369	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**-.0001**	**-.0006**	**.0003**	**.0017**	**.0057**	**-.0027**
Stddev	.0000	.0001	.0007	.0001	.0036	.0000	.0004
%RSD	55.89	179.8	113.7	39.86	204.8	.5854	15.46
#1	.0001	.0000	-.0001	.0002	-.0008	.0057	-.0030
#2	.0000	-.0001	-.0010	.0004	.0043	.0056	-.0024

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4686.1**	**113420.**	**9477.6**
Stddev	10.2	365.	97.8
%RSD	.21722	.32173	1.0316
#1	4679.0	113680.	9408.5
#2	4693.3	113160.	9546.7

Zoom In Zoom Out

Sample Name: MC27119-1 Acquired: 12/16/2013 17:11:18 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0005**	**.1995**	**.0032**	**.0005**	**.3242**	**.3508**	**.0000**	**58.53**	**.0002**
Stddev	.0001	.0147	.0009	.0018	.0002	.0000	.000	.10	.0000
%RSD	27.66	7.386	26.76	354.6	.0723	.0033	49.88	.1787	7.813
#1	.0006	.1890	.0038	.0018	.3241	.3508	.0000	58.61	.0002
#2	.0004	.2099	.0026	-.0008	.3244	.3508	.0000	58.46	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0005**	**.0008**	**.0010**	**.6257**	**2.510**	**25.18**	**3.048**	**.0027**	**55.21**
Stddev	.0001	.0002	.0001	.0004	.022	.03	.007	.0000	.03
%RSD	28.71	20.18	7.777	.0580	.8946	.1095	.2235	.1367	.0492
#1	.0004	.0009	.0009	.6254	2.494	25.20	3.053	.0027	55.19
#2	.0006	.0007	.0010	.6260	2.525	25.16	3.043	.0027	55.23

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0020**	**.0002**	**-.0035**	**-.0098**	**.4854**	**.0007**	**.0006**	**8.627**	**.0014**
Stddev	.0000	.0002	.0006	.0013	.0003	.0002	.0003	.024	.0000
%RSD	.9587	104.8	16.09	13.13	.0593	24.98	52.28	.2728	1.354
#1	.0020	.0003	-.0039	-.0108	.4856	.0008	.0004	8.644	.0015
#2	.0020	.0001	-.0031	-.0089	.4852	.0006	.0008	8.610	.0014

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.8966**	**.0066**	**-.0002**	**.0021**	**.0012**	**.0086**	**-.0497**
Stddev	.0003	.0001	.0004	.0001	.0026	.0000	.0006
%RSD	.0361	1.592	161.2	3.477	217.9	.1227	1.299
#1	.8964	.0065	.0000	.0021	-.0007	.0087	-.0492
#2	.8969	.0067	-.0005	.0020	.0031	.0086	-.0502

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4648.8**	**112200.**	**9492.6**
Stddev	4.6	807.	75.5
%RSD	.09962	.71889	.79562
#1	4645.5	111630.	9439.2
#2	4652.1	112770.	9546.0

Zoom In Zoom Out

Sample Name: MC27119-2 Acquired: 12/16/2013 17:16:10 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	**.0005**	**.0728**	**.0023**	**.0627**	**.1936**	**.3535**	**.0000**	**56.15**
Stddev	.0002	.0114	.0003	.0019	.0003	.0012	.000	.17
%RSD	41.16	15.63	12.90	3.001	.1567	.3265	154.3	.3010
#1	.0007	.0647	.0021	.0640	.1938	.3527	.0000	56.04
#2	.0004	.0808	.0025	.0613	.1934	.3543	-.0001	56.27

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	**.0002**	**.0074**	**.0012**	**.0009**	**11.70**	**3.033**	**14.06**	F **23.52**
Stddev	.0001	.0001	.0000	.0003	.02	.012	.01	.09
%RSD	28.92	1.819	.3001	29.20	.1912	.3807	.0811	.3845
#1	.0002	.0073	.0012	.0011	11.68	3.025	14.07	23.59
#2	.0003	.0075	.0012	.0007	11.72	3.041	14.05	23.46

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	**.0024**	**40.86**	**.0020**	**-.0006**	**-.0075**	F **-.1183**	**.3424**	**-.0002**
Stddev	.0000	.11	.0002	.0002	.0001	.0034	.0013	.0001
%RSD	1.803	.2722	9.973	38.37	.8882	2.894	.3906	40.51
#1	.0024	40.78	.0018	-.0008	-.0075	-.1207	.3414	-.0001
#2	.0025	40.94	.0021	-.0004	-.0076	-.1158	.3433	-.0002

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	**.0040**	**11.03**	**.0004**	**.2882**	**.0041**	**.0050**	**.0015**	**.0040**
Stddev	.0003	.00	.0001	.0013	.0003	.0003	.0003	.0003
%RSD	7.780	.0338	16.17	.4455	6.882	5.511	20.19	7.179
#1	.0043	11.03	.0004	.2873	.0039	.0048	.0013	.0038
#2	.0038	11.03	.0003	.2891	.0043	.0052	.0017	.0042

Elem	Zn2062	Zr3391
Avg	**.0064**	**-.0637**
Stddev	.0001	.0005
%RSD	.8339	.7430
#1	.0065	-.0634
#2	.0064	-.0641

Zoom In Zoom Out

Sample Name: MC27119-2 Acquired: 12/16/2013 17:16:10 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4670.4**	**112260.**	**9442.2**
Stddev	.7	630.	43.8
%RSD	.01520	.56137	.46413
#1	4670.9	111810.	9473.2
#2	4669.9	112700.	9411.3

Zoom In Zoom Out

Sample Name: MC27119-3 Acquired: 12/16/2013 17:21:08 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**.3516**	**.0008**	**-.0019**	**.0776**	**.0163**	**-.0001**	**28.93**	**.0001**
Stddev	.0003	.0136	.0001	.0002	.0007	.0002	.0000	.13	.0000
%RSD	176.3	3.872	11.12	13.00	.9469	1.087	23.61	.4580	24.73
#1	.0000	.3420	.0007	-.0017	.0770	.0161	-.0001	28.84	.0001
#2	.0004	.3612	.0008	-.0021	.0781	.0164	-.0001	29.03	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0006**	**.0041**	**.5086**	**9.235**	**1.638**	**.0964**	**.0060**	**22.49**
Stddev	.0000	.0002	.0001	.0100	.035	.012	.0003	.0001	.13
%RSD	4.902	23.92	2.066	1.962	.3823	.7111	.2764	1.191	.5932
#1	-.0001	.0007	.0040	.5016	9.260	1.646	.0966	.0061	22.40
#2	-.0001	.0005	.0041	.5157	9.210	1.629	.0963	.0060	22.59

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0037**	**-.0001**	**-.0016**	**.0004**	**2.915**	**.0005**	**.0008**	**5.389**	**-.0002**
Stddev	.0000	.0002	.0009	.0004	.024	.0002	.0004	.039	.0000
%RSD	1.081	250.4	54.25	84.91	.8275	30.30	42.62	.7221	19.96
#1	.0038	.0000	-.0010	.0007	2.898	.0006	.0011	5.361	-.0002
#2	.0037	-.0002	-.0022	.0002	2.932	.0004	.0006	5.416	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1345**	**.0055**	**-.0003**	**.0022**	**.0291**	**.0096**	**-.0319**
Stddev	.0017	.0001	.0002	.0001	.0007	.0001	.0003
%RSD	1.255	2.413	62.89	3.699	2.447	.6886	.8030
#1	.1333	.0054	-.0002	.0021	.0296	.0095	-.0318
#2	.1357	.0056	-.0005	.0022	.0286	.0096	-.0321

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4687.8**	**112640.**	**9549.3**
Stddev	18.9	111.	2.3
%RSD	.40277	.09876	.02394
#1	4701.2	112560.	9547.6
#2	4674.5	112720.	9550.9

Zoom In Zoom Out

Sample Name: MC27119-4 Acquired: 12/16/2013 17:26:00 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**.0807**	**.0002**	**.0047**	**.1642**	**.0432**	**.0000**	**143.8**	**.0002**
Stddev	.0003	.0066	.0002	.0015	.0005	.0004	.000	.2	.0001
%RSD	127.7	8.144	74.26	31.15	.2966	.9156	305.9	.1208	30.78
#1	.0000	.0761	.0001	.0058	.1646	.0429	.0000	143.6	.0002
#2	.0005	.0854	.0003	.0037	.1639	.0435	-.0001	143.9	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0014**	**.0011**	**.0004**	**13.32**	**3.669**	**32.75**	**5.637**	**.0017**	**46.77**
Stddev	.0000	.0001	.0002	.01	.060	.27	.019	.0001	.16
%RSD	1.019	12.19	55.04	.0676	1.634	.8225	.3381	5.887	.3392
#1	.0014	.0010	.0006	13.32	3.627	32.56	5.650	.0017	46.88
#2	.0014	.0012	.0003	13.33	3.712	32.95	5.623	.0018	46.65

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0028**	**-.0009**	**-.0069**	**-.0219**	F **111.6**	**.0000**	**.0014**	**11.86**	**.0000**
Stddev	.0001	.0001	.0002	.0017	.0	.0005	.0010	.01	.0003
%RSD	2.154	12.69	3.347	7.890	.0429	3955.	71.19	.0908	708.1
#1	.0027	-.0008	-.0067	-.0231	111.6	-.0004	.0020	11.86	-.0002
#2	.0028	-.0010	-.0070	-.0207	111.5	.0004	.0007	11.85	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5235**	**.0029**	**-.0003**	**.0012**	**.0065**	**.0308**	**-.0680**
Stddev	.0027	.0001	.0002	.0000	.0009	.0000	.0001
%RSD	.5114	3.805	51.66	1.724	14.09	.1011	.0988
#1	.5254	.0029	-.0002	.0012	.0059	.0308	-.0680
#2	.5216	.0028	-.0004	.0013	.0072	.0308	-.0681

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4569.6**	**111150.**	**9436.9**
Stddev	7.7	729.	72.6
%RSD	.16779	.65590	.76943
#1	4564.2	110640.	9488.2
#2	4575.0	111670.	9385.5

Zoom In Zoom Out

Sample Name: MC27119-5 Acquired: 12/16/2013 17:30:57 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0007**	**.0205**	**-.0008**	**-.0008**	**.4690**	**.0045**	**.0000**	**27.18**	**.0005**
Stddev	.0001	.0091	.0006	.0012	.0004	.0000	.000	.01	.0000
%RSD	18.86	44.25	67.52	145.7	.0845	.4975	80.91	.0518	.1300
#1	.0008	.0269	-.0004	-.0017	.4693	.0045	.0000	27.19	.0005
#2	.0006	.0141	-.0012	.0000	.4687	.0045	.0000	27.17	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0003**	**.0004**	**.0005**	**.0681**	**.5511**	**8.696**	**.0030**	**.0040**	**45.53**
Stddev	.0000	.0003	.0001	.0027	.0173	.016	.0001	.0000	.08
%RSD	14.03	67.45	25.91	3.998	3.142	.1876	1.693	.8626	.1737
#1	-.0003	.0002	.0004	.0701	.5634	8.685	.0030	.0040	45.47
#2	-.0003	.0006	.0006	.0662	.5389	8.708	.0030	.0040	45.59

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0011**	**-.0007**	**-.0019**	**.0019**	**3.864**	**.0003**	**.0000**	**11.20**	**-.0004**
Stddev	.0001	.0006	.0013	.0014	.001	.0005	.000	.00	.0002
%RSD	7.985	96.85	69.02	74.21	.0353	140.9	588.2	.0074	44.69
#1	.0011	-.0002	-.0029	.0028	3.863	.0006	-.0001	11.20	-.0003
#2	.0010	-.0011	-.0010	.0009	3.865	.0000	.0001	11.20	-.0005

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0844**	**.0006**	**-.0006**	**.0030**	**.0023**	**.0062**	**-.0651**
Stddev	.0000	.0002	.0003	.0002	.0023	.0000	.0003
%RSD	.0233	26.90	38.93	6.360	98.92	.6790	.4080
#1	.0844	.0008	-.0005	.0032	.0040	.0062	-.0652
#2	.0844	.0005	-.0008	.0029	.0007	.0062	-.0649

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4685.2**	**113120.**	**9574.3**
Stddev	2.0	180.	5.4
%RSD	.04335	.15935	.05652
#1	4683.7	112990.	9578.1
#2	4686.6	113250.	9570.4

Zoom In Zoom Out

Sample Name: MC27119-6 Acquired: 12/16/2013 17:35:49 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**.0925**	**-.0004**	**.0007**	**.1905**	**.0169**	**.0000**	**45.60**	**.0012**
Stddev	.0003	.0194	.0016	.0004	.0007	.0000	.000	.56	.0001
%RSD	130.1	21.01	393.1	49.06	.3670	.1635	233.1	1.218	6.735
#1	.0005	.1062	.0007	.0005	.1900	.0169	-.0001	45.21	.0012
#2	.0000	.0788	-.0015	.0010	.1910	.0169	.0000	45.99	.0011

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0090**	**.0008**	**.0020**	**8.043**	**1.566**	**13.89**	**2.659**	**.0013**	**106.1**
Stddev	.0000	.0004	.0001	.158	.000	.20	.019	.0000	.7
%RSD	.1645	55.69	6.007	1.968	.0249	1.439	.7275	.8361	.6759
#1	.0090	.0011	.0019	7.932	1.566	13.75	2.673	.0013	105.6
#2	.0090	.0005	.0021	8.155	1.565	14.03	2.646	.0013	106.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0003**	**-.0002**	**-.0020**	**-.0139**	**12.19**	**.0000**	**.0011**	**12.86**	**-.0001**
Stddev	.0000	.0002	.0015	.0005	.00	.000	.0000	.03	.0001
%RSD	4.301	81.49	73.79	3.556	.0124	617.7	3.444	.2015	65.74
#1	.0003	-.0001	-.0031	-.0136	12.19	-.0002	.0012	12.84	-.0001
#2	.0003	-.0004	-.0010	-.0143	12.19	.0001	.0011	12.87	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1896**	**.0037**	**-.0009**	**.0020**	**.0000**	**.0400**	**-.0738**
Stddev	.0015	.0002	.0002	.0002	.003	.0000	.0007
%RSD	.7929	5.833	19.91	9.609	46350.	.0387	.9832
#1	.1886	.0038	-.0008	.0022	-.0023	.0400	-.0733
#2	.1907	.0035	-.0011	.0019	.0023	.0400	-.0744

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4643.0**	**112630.**	**9621.4**
Stddev	1.6	816.	181.2
%RSD	.03467	.72417	1.8837
#1	4644.2	112060.	9749.6
#2	4641.9	113210.	9493.3

Zoom In Zoom Out

Sample Name: MC27119-7 Acquired: 12/16/2013 17:40:41 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0005**	**.1222**	**.0038**	**-.0020**	**.0271**	**.0145**	**.0000**	**18.69**	**.0075**
Stddev	.0001	.0008	.0012	.0010	.0003	.0002	.000	.11	.0001
%RSD	14.17	.6165	30.40	49.14	1.107	1.669	32.54	.6145	1.080
#1	.0005	.1216	.0046	-.0013	.0273	.0143	.0000	18.60	.0074
#2	.0006	.1227	.0030	-.0026	.0269	.0147	.0000	18.77	.0075

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0009**	**.0054**	**.1480**	**4.823**	**.7585**	**.0795**	**.0011**	**5.490**
Stddev	.000	.0000	.0000	.0011	.031	.0010	.0001	.0001	.028
%RSD	2090.	4.854	.0460	.7411	.6510	.1303	.0843	5.277	.5024
#1	-.0001	.0008	.0054	.1473	4.801	.7592	.0795	.0010	5.470
#2	.0001	.0009	.0054	.1488	4.845	.7578	.0796	.0011	5.509

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0040**	**.0001**	**-.0010**	**.0026**	**.9804**	**.0011**	**.0010**	**1.674**	**.0009**
Stddev	.0000	.0006	.0005	.0020	.0020	.0003	.0011	.001	.0000
%RSD	1.108	663.5	52.14	77.30	.2026	26.41	115.8	.0827	1.783
#1	.0040	.0006	-.0014	.0041	.9790	.0013	.0018	1.675	.0009
#2	.0040	-.0004	-.0006	.0012	.9818	.0009	.0002	1.673	.0009

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0619**	**.0033**	**-.0012**	**.0010**	**.0012**	**.2809**	**-.0119**
Stddev	.0001	.0004	.0006	.0002	.0007	.0006	.0001
%RSD	.0991	10.67	52.44	15.78	58.36	.2014	.9513
#1	.0619	.0031	-.0008	.0011	.0016	.2805	-.0118
#2	.0619	.0036	-.0017	.0009	.0007	.2813	-.0120

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4676.7**	**113310.**	**9629.4**
Stddev	.3	49.	81.6
%RSD	.00577	.04346	.84787
#1	4676.9	113340.	9687.2
#2	4676.5	113270.	9571.7

Zoom In Zoom Out

Sample Name: MC27138-3 Acquired: 12/16/2013 17:45:34 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.0064**	**-.0007**	**-.0020**	**.0006**	**.0000**	**.0000**	**.0077**	**.0000**
Stddev	.000	.0016	.0005	.0003	.0001	.0001	.000	.0008	.0001
%RSD	828.7	24.58	77.71	15.15	10.52	941.4	115.0	10.17	201.9
#1	.0002	.0075	-.0010	-.0018	.0005	-.0001	.0000	.0082	.0001
#2	-.0003	.0053	-.0003	-.0023	.0006	.0001	-.0001	.0071	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**.0004**	**.0003**	**.0006**	**.0189**	**-.0116**	**.0001**	**.0002**	**.1836**
Stddev	.0001	.0002	.0001	.0032	.0225	.0238	.0000	.0000	.0110
%RSD	30.01	55.49	46.48	515.9	118.8	205.7	12.61	15.86	5.974
#1	-.0001	.0003	.0002	-.0016	.0349	.0053	.0001	.0001	.1914
#2	-.0002	.0006	.0004	.0029	.0030	-.0284	.0000	.0002	.1759

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**.0002**	**.0002**	**.0005**	**.0055**	**.0005**	**.0006**	**.0391**	**-.0002**
Stddev	.0000	.0004	.0006	.0008	.0017	.0009	.0005	.0004	.0001
%RSD	12.06	151.5	335.0	148.0	30.66	188.4	79.40	.8950	71.49
#1	.0002	.0000	-.0002	.0000	.0067	-.0002	.0003	.0389	-.0002
#2	.0001	.0005	.0006	.0011	.0043	.0011	.0009	.0394	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**-.0002**	**-.0010**	**.0005**	**.0019**	**.0060**	**-.0030**
Stddev	.000	.0002	.0001	.0002	.0006	.0000	.0007
%RSD	96.95	103.6	11.85	50.07	32.98	.4533	23.93
#1	.0000	.0000	-.0009	.0003	.0014	.0060	-.0035
#2	-.0001	-.0003	-.0011	.0007	.0023	.0060	-.0025

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4706.1**	**113940.**	**9563.4**
Stddev	12.7	1021.	74.1
%RSD	.26949	.89570	.77510
#1	4715.0	114670.	9510.9
#2	4697.1	113220.	9615.8

Zoom In Zoom Out

Sample Name: MP22262-B1 Acquired: 12/16/2013 17:50:31 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.1993**	**2.068**	**.5326**	**-.0008**	**.0017**	**1.935**	**.4934**	**23.92**	**.5029**
Stddev	.0004	.003	.0022	.0003	.0000	.014	.0023	.13	.0007
%RSD	.2054	.1285	.4139	34.61	.1107	.7169	.4618	.5245	.1422
#1	.1990	2.066	.5310	-.0010	.0017	1.945	.4950	24.01	.5024
#2	.1996	2.070	.5341	-.0006	.0017	1.926	.4918	23.83	.5034

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5082**	**.4960**	**.4789**	**1.938**	**24.67**	**24.76**	**.4951**	**.0000**	**24.38**
Stddev	.0002	.0023	.0010	.024	.15	.11	.0007	.000	.10
%RSD	.0465	.4572	.2149	1.220	.5973	.4378	.1440	458.9	.3996
#1	.5084	.4976	.4782	1.955	24.77	24.83	.4956	.0000	24.45
#2	.5081	.4944	.4796	1.922	24.57	24.68	.4946	-.0001	24.31

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.4738**	**.9640**	**-.0011**	**-.0011**	**.0053**	**.5160**	**.5112**	**.0139**	**-.0010**
Stddev	.0003	.0009	.0010	.0036	.0009	.0008	.0013	.0005	.0000
%RSD	.0624	.0951	92.16	316.8	17.47	.1491	.2451	3.925	.1387
#1	.4736	.9646	-.0018	.0014	.0060	.5154	.5103	.0135	-.0010
#2	.4740	.9633	-.0004	-.0037	.0047	.5165	.5121	.0143	-.0010

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4755**	**.4745**	**.5121**	**.5002**	**.0005**	**.5077**	**-.0030**
Stddev	.0020	.0014	.0001	.0010	.0002	.0002	.0002
%RSD	.4233	.2904	.0208	.2029	50.85	.0416	5.344
#1	.4769	.4754	.5122	.5009	.0003	.5075	-.0029
#2	.4741	.4735	.5120	.4995	.0006	.5078	-.0031

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4636.5**	**112650.**	**9548.5**
Stddev	2.0	440.	73.9
%RSD	.04394	.39017	.77384
#1	4637.9	112340.	9496.3
#2	4635.1	112960.	9600.8

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/16/2013 17:55:19 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2387**	**9.800**	**1.961**	**-.0006**	**1.990**	**1.921**	**1.919**	**9.625**	**1.947**
Stddev	.0001	.009	.004	.0004	.001	.003	.002	.035	.004
%RSD	.0495	.0917	.2067	74.25	.0251	.1405	.1120	.3624	.1779
#1	.2388	9.806	1.964	-.0003	1.990	1.919	1.918	9.600	1.949
#2	.2386	9.793	1.958	-.0008	1.991	1.923	1.921	9.650	1.944

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.036**	**1.864**	**1.945**	**9.546**	**9.699**	**9.717**	**1.952**	**1.953**	**9.673**
Stddev	.005	.022	.010	.008	.022	.022	.011	.000	.052
%RSD	.2428	1.164	.4987	.0843	.2286	.2220	.5654	.0105	.5343
#1	2.039	1.880	1.952	9.540	9.684	9.732	1.960	1.953	9.637
#2	2.032	1.849	1.938	9.552	9.715	9.702	1.944	1.953	9.710

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.904**	**1.958**	**.0007**	**-.0075**	**-.0014**	**1.984**	**1.961**	**.0097**	**1.945**
Stddev	.005	.000	.0001	.0033	.0012	.000	.001	.0010	.004
%RSD	.2891	.0207	12.52	43.42	84.42	.0219	.0624	10.72	.1815
#1	1.908	1.959	.0007	-.0052	-.0006	1.984	1.962	.0090	1.947
#2	1.900	1.958	.0006	-.0098	-.0022	1.984	1.960	.0105	1.942

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.883**	**1.867**	**1.994**	**1.865**	**-.0079**	**1.934**	**-.0088**
Stddev	.005	.017	.003	.015	.0030	.005	.0005
%RSD	.2869	.8979	.1543	.7799	37.62	.2503	5.194
#1	1.879	1.879	1.996	1.875	-.0100	1.937	-.0085
#2	1.887	1.855	1.992	1.854	-.0058	1.930	-.0091

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4722.4**	**114680.**	**9650.1**
Stddev	7.6	41.	89.9
%RSD	.16081	.03610	.93160
#1	4717.0	114650.	9713.7
#2	4727.7	114710.	9586.5

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/16/2013 18:00:04 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**-.0117**	**-.0003**	**-.0015**	**.0013**	**.0000**	**.0001**	**-.0019**	**.0002**
Stddev	.0001	.0019	.0002	.0003	.0001	.0001	.0001	.0038	.0000
%RSD	58.97	16.02	53.19	22.53	8.435	181.5	45.12	197.6	16.24
#1	-.0002	-.0103	-.0002	-.0012	.0012	.0000	.0002	.0008	.0001
#2	-.0001	-.0130	-.0004	-.0017	.0013	.0001	.0001	-.0046	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0004**	**.0004**	**.0029**	**.0094**	**.0043**	**.0000**	**.0032**	**.1077**
Stddev	.0000	.0002	.0001	.0004	.0376	.0077	.0000	.0008	.0286
%RSD	95.38	44.18	19.36	13.82	402.1	179.4	75.92	24.86	26.58
#1	.0000	.0005	.0005	.0026	.0360	.0097	.0000	.0037	.1280
#2	.0001	.0002	.0004	.0032	-.0172	-.0012	.0001	.0026	.0875

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0004**	**.0008**	**.0002**	**.0051**	**-.0013**	**.0003**	**.0001**	**.0016**	**.0003**
Stddev	.0000	.0010	.0007	.0017	.0003	.0009	.0004	.0002	.0003
%RSD	1.224	129.6	339.2	33.95	20.32	276.9	592.5	11.57	100.1
#1	.0004	.0015	.0007	.0038	-.0011	.0010	-.0002	.0018	.0004
#2	.0004	.0001	-.0003	.0063	-.0015	-.0003	.0004	.0015	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0000**	**.0016**	**.0004**	**.0010**	**-.0001**	**-.0006**
Stddev	.0000	.0003	.0003	.0000	.0020	.0000	.0002
%RSD	93.77	526.8	19.93	2.882	202.5	49.57	28.87
#1	.0000	-.0001	.0018	.0004	-.0004	-.0001	-.0004
#2	.0001	.0002	.0014	.0004	.0024	-.0001	-.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4687.2**	**111890.**	**9376.4**
Stddev	.3	131.	33.5
%RSD	.00659	.11670	.35701
#1	4687.4	111980.	9352.7
#2	4687.0	111800.	9400.0

Zoom In Zoom Out

Sample Name: MP22262-MB1 Acquired: 12/16/2013 18:05:00 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0001**	**-.0078**	**.0000**	**-.0015**	**.0005**	**.0002**	**.0000**	**.0001**	**.0001**
Stddev	.0001	.0023	.001	.0014	.0003	.0003	.0000	.0008	.0000
%RSD	177.5	29.40	1840.	94.46	67.18	163.3	639.3	1375.	6.796
#1	.0000	-.0094	.0004	-.0024	.0003	.0000	.0000	-.0005	.0001
#2	.0001	-.0062	-.0005	-.0005	.0007	.0004	.0000	.0007	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0000**	**.0003**	**-.0005**	**-.0352**	**-.0211**	**.0000**	**.0010**	**.1085**
Stddev	.0001	.000	.0001	.0015	.0085	.0035	.0000	.0000	.0111
%RSD	74.87	5339.	40.73	288.6	24.15	16.45	31.07	.1997	10.19
#1	-.0001	.0002	.0002	.0005	-.0412	-.0236	.0000	.0010	.1163
#2	-.0002	-.0002	.0004	-.0015	-.0292	-.0187	.0000	.0010	.1007

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0002**	**-.0003**	**.0000**	**.0030**	**.0025**	**.0006**	**.0004**	**.0154**	**.0000**
Stddev	.0000	.0010	.0006	.0003	.0012	.0003	.0013	.0002	.000
%RSD	4.651	358.6	4578.	8.408	50.46	46.03	296.4	1.162	171.4
#1	.0002	.0004	.0004	.0032	.0033	.0004	.0014	.0153	-.0001
#2	.0002	-.0010	-.0004	.0028	.0016	.0007	-.0005	.0155	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**-.0001**	**-.0006**	**.0008**	**.0029**	**.0016**	**-.0018**
Stddev	.0000	.0002	.0004	.0002	.0007	.0000	.0001
%RSD	7.083	251.4	73.37	25.27	23.54	3.064	3.652
#1	.0000	-.0002	-.0003	.0010	.0024	.0016	-.0017
#2	.0000	.0001	-.0009	.0007	.0034	.0017	-.0018

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4671.5**	**112670.**	**9453.9**
Stddev	14.7	55.	97.8
%RSD	.31474	.04842	1.0348
#1	4681.9	112630.	9384.7
#2	4661.1	112700.	9523.1

Zoom In Zoom Out

Sample Name: MP22262-S1 Acquired: 12/16/2013 18:09:57 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2094**	**2.149**	**.5410**	**.0038**	**.1036**	**2.081**	**.4906**	**129.2**	**.5087**
Stddev	.0005	.007	.0036	.0005	.0007	.009	.0003	.2	.0007
%RSD	.2429	.3321	.6565	12.23	.6436	.4327	.0575	.1293	.1418
#1	.2097	2.154	.5385	.0035	.1031	2.087	.4904	129.1	.5082
#2	.2090	2.144	.5435	.0042	.1041	2.074	.4908	129.4	.5093

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4980**	**.4943**	**.4868**	**1.962**	**28.49**	**76.36**	**5.458**	**.0006**	F **274.2**
Stddev	.0011	.0031	.0012	.010	.03	.03	.022	.0001	2.9
%RSD	.2120	.6212	.2421	.5107	.1000	.0404	.4032	24.86	1.055
#1	.4972	.4965	.4876	1.969	28.51	76.34	5.443	.0005	276.3
#2	.4987	.4922	.4859	1.955	28.47	76.39	5.474	.0007	272.2

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.4634**	**.9431**	**-.0076**	**-.0202**	**17.84**	**.5242**	**.5159**	**13.24**	**-.0011**
Stddev	.0012	.0006	.0001	.0008	.06	.0002	.0006	.03	.0002
%RSD	.2514	.0631	1.263	3.965	.3321	.0474	.1127	.2497	18.24
#1	.4626	.9427	-.0076	-.0197	17.80	.5240	.5155	13.21	-.0009
#2	.4643	.9435	-.0075	-.0208	17.88	.5244	.5163	13.26	-.0012

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.133**	**.4725**	**.4926**	**.4996**	**-.0016**	**.5084**	**-.0746**
Stddev	.001	.0027	.0018	.0028	.0014	.0002	.0002
%RSD	.1038	.5709	.3641	.5637	85.16	.0439	.3304
#1	1.134	.4744	.4914	.5016	-.0026	.5083	-.0744
#2	1.132	.4706	.4939	.4977	-.0006	.5086	-.0747

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4421.7**	**107260.**	**9357.0**
Stddev	2.2	143.	45.0
%RSD	.04980	.13298	.48078
#1	4420.2	107360.	9325.2
#2	4423.3	107160.	9388.8

Zoom In Zoom Out

Sample Name: MP22262-S2 Acquired: 12/16/2013 18:14:55 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2061**	**2.146**	**.5401**	**.0025**	**.1023**	**2.059**	**.4846**	**127.8**	**.5053**
Stddev	.0046	.032	.0006	.0007	.0001	.033	.0064	1.7	.0001
%RSD	2.249	1.502	.1142	28.58	.0817	1.619	1.312	1.350	.0199
#1	.2028	2.169	.5405	.0030	.1024	2.083	.4891	129.0	.5054
#2	.2094	2.123	.5397	.0020	.1022	2.035	.4801	126.5	.5052

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4945**	**.4794**	**.4765**	**1.944**	**28.39**	**74.97**	**5.361**	**.0004**	F **269.7**
Stddev	.0002	.0134	.0109	.019	.46	1.23	.081	.0001	5.9
%RSD	.0414	2.803	2.282	.9980	1.633	1.634	1.516	23.90	2.176
#1	.4944	.4699	.4688	1.958	28.72	75.83	5.303	.0005	273.9
#2	.4946	.4889	.4842	1.930	28.06	74.10	5.418	.0003	265.6

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.4608**	**.9397**	**-.0073**	**-.0208**	**17.79**	**.5197**	**.5158**	**13.16**	**-.0007**
Stddev	.0002	.0016	.0002	.0026	.00	.0008	.0004	.00	.0001
%RSD	.0379	.1677	3.287	12.75	.0260	.1524	.0747	.0128	10.69
#1	.4609	.9408	-.0071	-.0189	17.78	.5203	.5161	13.16	-.0007
#2	.4607	.9386	-.0075	-.0226	17.79	.5192	.5156	13.16	-.0008

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.121**	**.4618**	**.4877**	**.4859**	**-.0017**	**.5043**	**-.0752**
Stddev	.010	.0104	.0016	.0135	.0028	.0006	.0010
%RSD	.9010	2.244	.3312	2.785	169.2	.1119	1.332
#1	1.129	.4544	.4865	.4764	-.0037	.5047	-.0759
#2	1.114	.4691	.4888	.4955	.0003	.5039	-.0745

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4466.6**	**109600.**	**9453.2**
Stddev	5.2	2175.	155.3
%RSD	.11548	1.9841	1.6431
#1	4462.9	111140.	9343.4
#2	4470.2	108070.	9563.0

Zoom In Zoom Out

Sample Name: MC27047-6 Acquired: 12/16/2013 18:19:53 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**.0413**	**-.0006**	**.0042**	**.1020**	**.1179**	**.0000**	**104.8**	**.0003**
Stddev	.0001	.0035	.0001	.0001	.0005	.0001	.000	.1	.0000
%RSD	52.40	8.530	18.89	2.255	.5068	.0727	349.4	.0698	9.066
#1	.0004	.0438	-.0005	.0042	.1016	.1180	.0000	104.8	.0002
#2	.0002	.0388	-.0007	.0043	.1023	.1179	.0000	104.7	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0004**	**.0063**	**.0018**	**.0286**	**2.992**	**50.12**	**5.000**	**.0003**	F **255.4**
Stddev	.0000	.0000	.0002	.0005	.012	.15	.010	.0001	1.0
%RSD	12.91	.7448	11.80	1.824	.4049	.3019	.2007	31.21	.3768
#1	-.0004	.0063	.0017	.0290	3.000	50.23	4.993	.0002	256.0
#2	-.0003	.0063	.0020	.0282	2.983	50.02	5.007	.0004	254.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0019**	**-.0006**	**-.0068**	**-.0178**	**17.95**	**.0000**	**.0027**	**13.13**	**-.0002**
Stddev	.0001	.0003	.0007	.0028	.02	.000	.0009	.05	.0001
%RSD	5.536	49.13	10.69	15.64	.1034	2541.	32.34	.3808	74.30
#1	.0019	-.0008	-.0073	-.0198	17.94	.0002	.0021	13.10	-.0003
#2	.0018	-.0004	-.0063	-.0159	17.97	-.0002	.0033	13.17	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.6555**	**.0022**	**.0005**	**.0008**	**.0005**	**.0135**	**-.0739**
Stddev	.0045	.0002	.0008	.0000	.0001	.0000	.0000
%RSD	.6879	7.835	156.4	2.278	26.90	.1751	.0068
#1	.6587	.0023	.0010	.0008	.0006	.0135	-.0739
#2	.6523	.0021	-.0001	.0008	.0004	.0135	-.0739

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4486.1**	**108570.**	**9507.8**
Stddev	4.3	100.	21.8
%RSD	.09548	.09248	.22962
#1	4489.1	108650.	9492.4
#2	4483.1	108500.	9523.2

Zoom In Zoom Out

Sample Name: MP22262-SD1 Acquired: 12/16/2013 18:24:57 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0012**	**.0528**	**.0028**	**.0003**	**.1044**	**.1183**	**.0000**	**106.8**	**.0003**
Stddev	.0031	.0621	.0009	.0009	.0009	.0002	.000	.2	.0000
%RSD	266.5	117.5	31.14	316.1	.8302	.1661	459.6	.2043	4.469
#1	-.0010	.0968	.0022	.0009	.1038	.1182	-.0001	106.6	.0004
#2	.0034	.0089	.0035	-.0004	.1050	.1185	.0001	106.9	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0009**	**.0075**	**.0035**	**.0380**	**3.184**	**50.62**	**5.164**	**.0013**	**291.6**
Stddev	.0002	.0009	.0014	.0088	.068	.42	.001	.0001	.3
%RSD	28.29	12.12	38.94	23.16	2.126	.8354	.0162	11.59	.0910
#1	-.0007	.0069	.0025	.0318	3.136	50.32	5.164	.0012	291.8
#2	-.0010	.0082	.0044	.0442	3.232	50.91	5.165	.0014	291.4

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0029**	**-.0023**	**-.0066**	**-.0081**	**17.96**	**.0001**	**.0033**	**13.05**	**-.0024**
Stddev	.0007	.0024	.0004	.0198	.02	.0042	.0009	.01	.0001
%RSD	24.22	104.2	6.295	243.7	.1371	3813.	28.57	.0631	3.755
#1	.0034	-.0006	-.0063	-.0222	17.98	.0031	.0039	13.04	-.0025
#2	.0024	-.0039	-.0069	.0059	17.95	-.0029	.0026	13.06	-.0024

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.6592**	**.0023**	**-.0008**	**.0025**	**.0005**	**.0179**	**-.0839**
Stddev	.0009	.0001	.0002	.0011	.0022	.0001	.0015
%RSD	.1325	3.352	20.31	43.92	447.9	.4225	1.798
#1	.6586	.0022	-.0009	.0033	.0020	.0178	-.0828
#2	.6598	.0023	-.0007	.0017	-.0011	.0179	-.0850

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4680.8**	**113100.**	**9605.6**
Stddev	4.6	364.	7.8
%RSD	.09728	.32139	.08152
#1	4677.6	112850.	9611.1
#2	4684.0	113360.	9600.1

Zoom In Zoom Out

Sample Name: MP22262-B2 Acquired: 12/16/2013 18:29:51 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2037**	**2.054**	**.5319**	**-.0008**	**.0017**	**1.934**	**.4852**	**24.06**	**.4981**
Stddev	.0010	.001	.0016	.0003	.0000	.009	.0022	.09	.0005
%RSD	.5087	.0254	.2982	35.43	.8977	.4929	.4494	.3898	.0998
#1	.2029	2.054	.5308	-.0006	.0017	1.927	.4837	23.99	.4977
#2	.2044	2.055	.5330	-.0009	.0017	1.940	.4867	24.12	.4984

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5035**	**.4890**	**.4738**	**1.927**	**24.92**	**24.84**	**.4897**	**.0001**	**24.64**
Stddev	.0004	.0016	.0031	.009	.06	.25	.0005	.0001	.03
%RSD	.0717	.3249	.6555	.4596	.2391	.9930	.0928	130.3	.1149
#1	.5033	.4879	.4716	1.921	24.88	24.66	.4893	.0001	24.62
#2	.5038	.4901	.4760	1.934	24.96	25.01	.4900	.0000	24.66

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.4699**	**.9676**	**-.0022**	**-.0005**	**.0024**	**.5113**	**.5114**	**.0156**	**-.0011**
Stddev	.0007	.0003	.0018	.0047	.0026	.0004	.0009	.0005	.0002
%RSD	.1529	.0358	80.01	884.0	111.8	.0870	.1722	3.324	16.18
#1	.4694	.9673	-.0035	-.0039	.0042	.5109	.5120	.0160	-.0012
#2	.4704	.9678	-.0010	.0028	.0005	.5116	.5108	.0153	-.0010

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4718**	**.4681**	**.5083**	**.4964**	**-.0019**	**.5029**	**-.0038**
Stddev	.0012	.0011	.0004	.0030	.0007	.0003	.0002
%RSD	.2624	.2269	.0849	.6104	36.09	.0665	4.448
#1	.4710	.4673	.5087	.4942	-.0014	.5026	-.0037
#2	.4727	.4688	.5080	.4985	-.0023	.5031	-.0039

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4668.4**	**113270.**	**9587.6**
Stddev	3.4	224.	6.0
%RSD	.07332	.19772	.06211
#1	4670.8	113430.	9583.4
#2	4666.0	113120.	9591.8

Zoom In Zoom Out

Sample Name: MC27047-1 Acquired: 12/16/2013 18:34:40 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0005**	**.0401**	**.0003**	**.0005**	**.2534**	**.1262**	**.0001**	**72.01**	**.0002**
Stddev	.0002	.0127	.0004	.0006	.0005	.0000	.0000	.05	.0000
%RSD	38.14	31.62	137.0	123.4	.1780	.0319	29.62	.0657	2.195
#1	.0003	.0311	.0006	.0010	.2531	.1262	.0001	72.04	.0002
#2	.0006	.0490	.0000	.0001	.2538	.1262	.0001	71.97	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**.0011**	**.0026**	**.0032**	**2.257**	**25.77**	**2.722**	**.0002**	**112.0**
Stddev	.0001	.0001	.0001	.0007	.051	.01	.009	.0001	.0
%RSD	33.89	14.22	4.918	22.53	2.247	.0541	.3335	33.87	.0411
#1	-.0003	.0009	.0027	.0037	2.221	25.76	2.716	.0003	112.1
#2	-.0002	.0012	.0025	.0027	2.293	25.78	2.728	.0002	112.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0009**	**-.0012**	**-.0046**	**-.0110**	**6.424**	**-.0004**	**.0010**	**10.04**	**-.0005**
Stddev	.0001	.0006	.0000	.0003	.008	.0002	.0000	.01	.0001
%RSD	15.09	48.63	.2495	3.166	.1259	60.37	3.108	.1018	18.93
#1	.0010	-.0008	-.0046	-.0107	6.429	-.0005	.0009	10.04	-.0005
#2	.0008	-.0016	-.0046	-.0112	6.418	-.0002	.0010	10.05	-.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3515**	**.0007**	**.0000**	**.0023**	**-.0002**	**.0055**	**-.0584**
Stddev	.0002	.0001	.0012	.0002	.0034	.0001	.0000
%RSD	.0470	15.68	2900.	6.598	1575.	1.703	.0630
#1	.3514	.0006	.0009	.0024	-.0026	.0055	-.0584
#2	.3516	.0008	-.0008	.0022	.0022	.0054	-.0584

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4580.2**	**111890.**	**9650.3**
Stddev	.5	297.	16.6
%RSD	.01177	.26521	.17238
#1	4579.8	112100.	9638.5
#2	4580.6	111680.	9662.1

Zoom In Zoom Out

Sample Name: MC27047-2 Acquired: 12/16/2013 18:39:32 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**.2877**	**.0005**	**-.0019**	**.4701**	**.1323**	**.0000**	**84.54**	**.0004**
Stddev	.0001	.0277	.0007	.0008	.0082	.0003	.000	.05	.0000
%RSD	57.30	9.617	143.3	39.47	1.749	.2549	107.8	.0614	13.80
#1	.0002	.2681	.0010	-.0025	.4642	.1325	.0000	84.50	.0003
#2	.0001	.3072	.0000	-.0014	.4759	.1320	.0000	84.58	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0003**	**.0078**	**.0025**	**.1981**	**4.144**	**2.031**	**.0143**	**.0142**	**29.16**
Stddev	.0001	.0002	.0001	.0009	.054	.001	.0003	.0002	.06
%RSD	33.51	2.218	5.207	.4767	1.301	.0302	2.067	1.315	.2095
#1	-.0002	.0079	.0026	.1975	4.182	2.031	.0141	.0141	29.12
#2	-.0003	.0077	.0024	.1988	4.106	2.031	.0145	.0144	29.21

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0009**	**.0042**	**-.0050**	**.0014**	**5.798**	**.0011**	**.0008**	**4.275**	**.0000**
Stddev	.0001	.0007	.0008	.0042	.102	.0004	.0000	.071	.0000
%RSD	9.273	17.90	15.29	301.4	1.761	37.14	2.683	1.653	83.26
#1	.0009	.0037	-.0055	.0044	5.726	.0008	.0008	4.225	.0000
#2	.0008	.0047	-.0044	-.0016	5.871	.0014	.0008	4.325	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.8296**	**.0024**	**-.0023**	**.0043**	**.0035**	**.0205**	**-.0258**
Stddev	.0027	.0001	.0001	.0003	.0030	.0004	.0006
%RSD	.3238	3.941	2.223	8.014	85.46	1.846	2.421
#1	.8277	.0025	-.0023	.0040	.0014	.0202	-.0254
#2	.8315	.0024	-.0023	.0045	.0056	.0207	-.0263

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4613.1**	**111190.**	**9511.2**
Stddev	67.4	316.	2.5
%RSD	1.4602	.28417	.02661
#1	4660.7	111420.	9513.0
#2	4565.4	110970.	9509.4

Zoom In Zoom Out

Sample Name: MC27047-2F Acquired: 12/16/2013 18:44:25 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0002**	**.0349**	**.0003**	**-.0013**	**.4810**	**.1086**	**.0000**	**61.75**	**.0002**
Stddev	.0002	.0094	.0013	.0009	.0000	.0011	.000	1.01	.0000
%RSD	90.59	27.02	478.7	68.15	.0052	1.056	678.1	1.639	27.06
#1	.0004	.0282	-.0006	-.0006	.4810	.1078	.0000	61.03	.0001
#2	.0001	.0416	.0012	-.0019	.4811	.1094	.0000	62.46	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**.0070**	**.0015**	**.0077**	**4.155**	**.1210**	**.0002**	**.0142**	**29.22**
Stddev	.0001	.0001	.0005	.0024	.080	.0134	.0000	.0001	.61
%RSD	58.18	1.880	34.50	30.96	1.931	11.10	12.29	.5346	2.080
#1	-.0001	.0069	.0019	.0094	4.098	.1115	.0001	.0142	28.79
#2	-.0002	.0071	.0011	.0060	4.212	.1304	.0002	.0143	29.65

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0006**	**-.0006**	**-.0033**	**.0031**	**5.942**	**.0009**	**.0010**	**2.849**	**-.0002**
Stddev	.0000	.0003	.0001	.0002	.001	.0000	.0003	.002	.0001
%RSD	3.269	47.80	2.729	6.428	.0142	.1513	32.67	.0565	60.62
#1	.0007	-.0004	-.0032	.0033	5.941	.0009	.0007	2.848	-.0003
#2	.0006	-.0008	-.0033	.0030	5.942	.0009	.0012	2.851	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.6930**	**.0003**	**-.0005**	**.0023**	**.0048**	**.0120**	**-.0187**
Stddev	.0126	.0003	.0004	.0001	.0038	.0000	.0004
%RSD	1.812	138.7	84.09	2.618	78.82	.1096	2.042
#1	.6842	.0005	-.0008	.0023	.0021	.0120	-.0190
#2	.7019	.0000	-.0002	.0022	.0075	.0120	-.0184

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4653.4**	**113840.**	**9494.2**
Stddev	1.4	914.	75.9
%RSD	.03014	.80333	.79966
#1	4654.4	114480.	9547.9
#2	4652.4	113190.	9440.5

Zoom In Zoom Out

Sample Name: MC27047-3 Acquired: 12/16/2013 18:49:20 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**.3037**	**.0018**	**-.0016**	**.9501**	**.1435**	**.0001**	**26.53**	**.0002**
Stddev	.0001	.0040	.0002	.0012	.0029	.0005	.0001	.06	.0000
%RSD	47.08	1.313	10.68	73.78	.3030	.3800	226.3	.2373	14.65
#1	.0002	.3065	.0017	-.0024	.9522	.1431	.0000	26.48	.0002
#2	.0004	.3009	.0020	-.0007	.9481	.1439	.0001	26.57	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**.0010**	**.0007**	**.3036**	**1.175**	**13.49**	**.0568**	**.0032**	**21.28**
Stddev	.0000	.0003	.0001	.0058	.009	.00	.0001	.0000	.04
%RSD	19.89	29.47	11.59	1.926	.7443	.0158	.1604	1.144	.2017
#1	-.0002	.0008	.0007	.3077	1.182	13.49	.0569	.0033	21.25
#2	-.0001	.0012	.0008	.2994	1.169	13.49	.0568	.0032	21.31

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0005**	**-.0005**	**-.0009**	**.0026**	**4.790**	**.0000**	**.0009**	**7.933**	**-.0003**
Stddev	.0001	.0001	.0000	.0042	.032	.000	.0013	.006	.0001
%RSD	25.18	27.95	2.401	160.1	.6639	1106.	147.4	.0761	35.30
#1	.0004	-.0006	-.0009	.0055	4.812	-.0003	.0018	7.929	-.0004
#2	.0006	-.0004	-.0009	-.0003	4.767	.0002	.0000	7.938	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3482**	**.0145**	**-.0006**	**.0009**	**-.0004**	**.0183**	**-.0465**
Stddev	.0004	.0031	.0001	.0002	.0001	.0000	.0000
%RSD	.1056	21.47	11.24	20.89	32.28	.2624	.1060
#1	.3479	.0123	-.0006	.0008	-.0003	.0184	-.0465
#2	.3484	.0166	-.0007	.0010	-.0005	.0183	-.0466

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4644.7**	**113030.**	**9663.0**
Stddev	11.8	113.	44.7
%RSD	.25333	.09998	.46223
#1	4636.4	113110.	9694.6
#2	4653.0	112950.	9631.4

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/16/2013 18:54:12 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2430**	**10.02**	**1.998**	**-.0019**	**2.031**	**1.990**	**1.968**	**9.861**	**1.975**
Stddev	.0005	.01	.004	.0002	.004	.013	.002	.003	.001
%RSD	.2147	.0515	.1790	11.05	.1841	.6603	.1177	.0285	.0533
#1	.2426	10.03	1.996	-.0020	2.028	1.999	1.970	9.859	1.974
#2	.2434	10.02	2.001	-.0017	2.034	1.981	1.967	9.862	1.976

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.064**	**1.931**	**1.966**	**9.863**	**9.936**	**9.929**	**1.992**	**1.980**	**9.932**
Stddev	.003	.004	.008	.017	.127	.003	.000	.006	.051
%RSD	.1282	.1844	.3857	.1757	1.274	.0260	.0083	.3177	.5124
#1	2.062	1.934	1.972	9.875	9.846	9.931	1.992	1.976	9.896
#2	2.066	1.929	1.961	9.851	10.03	9.928	1.992	1.985	9.968

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.929**	**1.985**	**.0002**	**-.0074**	**-.0003**	**2.024**	**2.005**	**.0125**	**1.970**
Stddev	.001	.000	.0022	.0022	.0010	.005	.004	.0002	.003
%RSD	.0622	.0177	913.1	30.33	286.7	.2498	.1772	1.454	.1703
#1	1.928	1.985	-.0013	-.0058	-.0010	2.021	2.002	.0124	1.968
#2	1.929	1.986	.0018	-.0089	.0003	2.028	2.007	.0126	1.973

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.952**	**1.920**	**2.026**	**1.913**	**-.0090**	**1.953**	**-.0089**
Stddev	.004	.001	.004	.001	.0008	.001	.0002
%RSD	.2264	.0730	.1726	.0267	8.485	.0518	2.076
#1	1.955	1.921	2.023	1.912	-.0085	1.952	-.0090
#2	1.949	1.919	2.028	1.913	-.0096	1.954	-.0088

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4691.8**	**113260.**	**9540.5**
Stddev	6.0	203.	16.4
%RSD	.12699	.17916	.17155
#1	4696.0	113410.	9552.1
#2	4687.6	113120.	9528.9

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/16/2013 18:58:58 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**-.0019**	**.0001**	**-.0010**	**.0018**	**.0001**	**.0001**	**.0011**	**.0002**
Stddev	.0002	.0079	.0009	.0005	.0001	.0001	.0000	.0013	.0002
%RSD	448.7	416.1	731.1	49.07	3.695	74.97	2.259	125.4	91.39
#1	-.0001	.0037	.0007	-.0006	.0017	.0002	.0001	.0001	.0001
#2	.0002	-.0075	-.0005	-.0013	.0018	.0001	.0001	.0020	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0005**	**.0000**	**.0029**	**-.0135**	**.0023**	**.0000**	**.0031**	**.1545**
Stddev	.0001	.0001	.000	.0016	.0255	.0298	.0000	.0005	.0150
%RSD	624.2	14.18	245.5	56.15	188.7	1287.	22.88	15.93	9.683
#1	-.0001	.0004	-.0001	.0041	.0045	.0234	.0000	.0035	.1651
#2	.0001	.0005	.0000	.0018	-.0315	-.0188	.0000	.0028	.1439

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0005**	**.0003**	**.0009**	**.0025**	**.0012**	**.0004**	**.0009**	**.0027**	**.0004**
Stddev	.0002	.0004	.0006	.0005	.0012	.0001	.0005	.0001	.0002
%RSD	51.01	116.6	64.53	18.07	98.57	16.94	59.17	3.602	40.62
#1	.0003	.0006	.0012	.0029	.0021	.0003	.0013	.0026	.0005
#2	.0006	.0001	.0005	.0022	.0004	.0004	.0005	.0028	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0000**	**.0013**	**.0002**	**.0007**	**.0001**	**-.0026**
Stddev	.0000	.0000	.0003	.0002	.0025	.0001	.0000
%RSD	10.03	19.02	19.81	88.33	375.6	76.90	.8732
#1	.0001	.0001	.0015	.0001	.0024	.0000	-.0026
#2	.0001	.0000	.0011	.0003	-.0011	.0002	-.0026

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4750.0**	**114850.**	**9746.4**
Stddev	86.3	827.	771.5
%RSD	1.8163	.71974	7.9162
#1	4811.0	115440.	9200.8
#2	4689.0	114270.	10292.

Zoom In Zoom Out

Sample Name: MC27047-4 Acquired: 12/16/2013 19:03:55 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0008**	**.0731**	**.0000**	**-.0025**	**.5718**	**.2316**	**.0000**	**154.8**	**.0003**
Stddev	.0004	.0044	.001	.0001	.0011	.0020	.0001	1.9	.0000
%RSD	44.54	5.959	5964.	3.628	.1898	.8478	671.9	1.252	8.158
#1	.0011	.0762	.0005	-.0026	.5726	.2302	.0001	153.5	.0003
#2	.0005	.0700	-.0006	-.0024	.5711	.2329	.0000	156.2	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0004**	**.0005**	**.0017**	**.0341**	**1.119**	**63.63**	**.3096**	**.0027**	**64.09**
Stddev	.0001	.0000	.0001	.0032	.014	.96	.0005	.0001	.72
%RSD	19.66	9.046	7.450	9.418	1.276	1.502	.1566	4.880	1.124
#1	.0004	.0005	.0018	.0363	1.129	62.95	.3092	.0028	63.58
#2	.0003	.0005	.0016	.0318	1.108	64.30	.3099	.0026	64.60

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0022**	**-.0009**	**-.0086**	**-.0022**	**12.41**	**.0004**	**.0014**	**13.06**	**-.0004**
Stddev	.0001	.0001	.0005	.0045	.00	.0007	.0005	.01	.0003
%RSD	2.744	9.000	6.019	198.3	.0320	162.8	33.14	.0988	73.76
#1	.0022	-.0008	-.0082	-.0054	12.41	.0009	.0017	13.05	-.0006
#2	.0022	-.0009	-.0090	.0009	12.40	-.0001	.0010	13.07	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.6492**	**.0024**	**-.0010**	**.0032**	**-.0026**	**.0125**	**-.0745**
Stddev	.0045	.0000	.0005	.0002	.0029	.0001	.0002
%RSD	.6913	.5645	53.40	7.322	113.8	.7472	.2784
#1	.6460	.0024	-.0014	.0030	-.0047	.0125	-.0744
#2	.6524	.0024	-.0006	.0033	-.0005	.0126	-.0747

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4471.9**	**109650.**	**9542.2**
Stddev	8.0	212.	106.8
%RSD	.17826	.19365	1.1197
#1	4477.6	109500.	9617.8
#2	4466.3	109800.	9466.6

Zoom In Zoom Out

Sample Name: MC27047-5 Acquired: 12/16/2013 19:08:48 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0008**	**3.243**	**-.0001**	**-.0025**	**.3708**	**.2709**	**.0001**	**145.6**	**.0003**
Stddev	.0005	.072	.0005	.0009	.0000	.0029	.0001	.4	.0001
%RSD	59.96	2.213	599.7	35.80	.0033	1.082	45.69	.2794	29.45
#1	.0011	3.294	-.0004	-.0019	.3708	.2730	.0001	145.9	.0003
#2	.0004	3.192	.0002	-.0032	.3708	.2688	.0002	145.3	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0017**	**.0042**	**.0091**	**3.134**	**1.913**	**52.13**	**.2158**	**.0009**	**47.95**
Stddev	.0001	.0002	.0004	.019	.056	.25	.0002	.0001	.09
%RSD	7.577	5.003	4.631	.5998	2.934	.4788	.0787	6.814	.1921
#1	.0017	.0044	.0088	3.147	1.953	52.31	.2157	.0009	48.02
#2	.0016	.0041	.0094	3.121	1.874	51.96	.2159	.0008	47.89

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0046**	**.0005**	**-.0060**	**-.0019**	**9.945**	**.0001**	**.0000**	**20.14**	**-.0003**
Stddev	.0000	.0006	.0012	.0010	.016	.0008	.000	.01	.0000
%RSD	.7307	122.3	19.55	49.73	.1602	874.3	1019.	.0607	11.51
#1	.0046	.0009	-.0068	-.0026	9.934	.0006	.0001	20.15	-.0003
#2	.0046	.0001	-.0051	-.0012	9.956	-.0005	-.0001	20.13	-.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5863**	**.1424**	**-.0004**	**.0093**	**-.0011**	**.0231**	**-.1118**
Stddev	.0008	.0123	.0001	.0002	.0063	.0001	.0010
%RSD	.1315	8.647	28.27	2.198	570.5	.2670	.8544
#1	.5868	.1337	-.0003	.0094	-.0056	.0232	-.1125
#2	.5857	.1511	-.0005	.0091	.0034	.0231	-.1111

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4516.5**	**111110.**	**9524.6**
Stddev	3.7	300.	28.3
%RSD	.08292	.26974	.29753
#1	4519.2	110900.	9504.6
#2	4513.9	111320.	9544.6

Zoom In Zoom Out

Sample Name: MC27047-8 Acquired: 12/16/2013 19:13:40 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.0443**	**.0007**	**.0001**	**.3499**	**.2426**	**-.0001**	**161.6**	**.0002**
Stddev	.0000	.0431	.0003	.0005	.0002	.0025	.0000	.6	.0000
%RSD	.5312	97.37	52.48	333.8	.0667	1.011	8.199	.3606	2.561
#1	.0004	.0138	.0004	.0005	.3501	.2409	-.0001	161.2	.0002
#2	.0004	.0747	.0009	-.0002	.3497	.2443	-.0001	162.0	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0020**	**.0005**	**.0008**	**.1406**	**1.413**	**57.25**	**2.531**	**.0017**	**68.47**
Stddev	.0000	.0002	.0001	.0019	.026	.42	.008	.0000	.03
%RSD	1.544	33.35	10.58	1.371	1.851	.7385	.3041	2.152	.0382
#1	.0019	.0003	.0008	.1420	1.431	56.95	2.536	.0017	68.46
#2	.0020	.0006	.0009	.1392	1.394	57.55	2.525	.0018	68.49

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0038**	**-.0009**	**-.0087**	**-.0055**	**12.22**	**-.0007**	**.0007**	**13.85**	**-.0005**
Stddev	.0001	.0003	.0003	.0013	.02	.0001	.0010	.01	.0000
%RSD	2.674	39.72	3.347	23.61	.1466	16.66	139.2	.0891	3.313
#1	.0038	-.0011	-.0089	-.0046	12.21	-.0008	.0000	13.84	-.0005
#2	.0039	-.0006	-.0085	-.0064	12.23	-.0007	.0014	13.86	-.0005

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.6850**	**.0015**	**-.0008**	**.0010**	**.0006**	**.0051**	**-.0790**
Stddev	.0006	.0001	.0005	.0003	.0020	.0000	.0005
%RSD	.0897	7.406	68.14	29.51	341.4	.8841	.5999
#1	.6846	.0014	-.0012	.0008	-.0008	.0051	-.0786
#2	.6854	.0016	-.0004	.0012	.0020	.0051	-.0793

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4466.8**	**109730.**	**9540.6**
Stddev	1.2	520.	7.3
%RSD	.02751	.47387	.07641
#1	4465.9	109360.	9545.8
#2	4467.6	110100.	9535.5

Zoom In Zoom Out

Sample Name: MC27056-1 Acquired: 12/16/2013 19:18:34 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**1.312**	**.0116**	**-.0011**	**.1361**	**.0702**	**.0001**	**84.91**	**.0001**
Stddev	.0000	.019	.0014	.0005	.0007	.0001	.0000	.01	.0000
%RSD	8.129	1.442	11.77	40.84	.5324	.1554	59.40	.0155	16.14
#1	.0004	1.326	.0107	-.0008	.1356	.0702	.0000	84.90	.0001
#2	.0004	1.299	.0126	-.0015	.1367	.0701	.0001	84.92	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0010**	**.0034**	**.0024**	**8.107**	**3.334**	**14.84**	**.5887**	**.0045**	**95.19**
Stddev	.0001	.0004	.0002	.032	.048	.05	.0000	.0001	.10
%RSD	8.879	12.83	9.939	.3987	1.448	.3307	.0051	2.396	.1054
#1	.0011	.0037	.0025	8.084	3.368	14.80	.5888	.0045	95.27
#2	.0010	.0031	.0022	8.130	3.300	14.87	.5887	.0044	95.12

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0022**	**.0039**	**-.0036**	**.0018**	F **20.66**	**.0005**	**.0008**	**10.51**	**-.0002**
Stddev	.0001	.0001	.0008	.0009	.03	.0005	.0005	.06	.0000
%RSD	3.933	2.820	23.34	49.85	.1600	89.02	65.21	.5525	7.599
#1	.0021	.0038	-.0030	.0024	20.64	.0002	.0012	10.47	-.0001
#2	.0022	.0040	-.0042	.0011	20.69	.0009	.0004	10.55	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1541**	**.0364**	**-.0013**	**.0031**	**.0006**	**.0195**	**-.0586**
Stddev	.0003	.0001	.0002	.0002	.0011	.0002	.0010
%RSD	.2100	.3375	11.63	6.194	182.1	.8312	1.782
#1	.1543	.0363	-.0012	.0030	-.0002	.0197	-.0579
#2	.1539	.0365	-.0014	.0032	.0014	.0194	-.0594

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4547.2**	**111740.**	**9500.0**
Stddev	.6	446.	64.9
%RSD	.01355	.39942	.68363
#1	4547.6	111430.	9454.0
#2	4546.8	112060.	9545.9

Zoom In Zoom Out

Sample Name: MC27056-10 Acquired: 12/16/2013 19:23:26 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0006**	**1.711**	**.0015**	**-.0006**	**.1642**	**.0493**	**.0001**	**111.9**	**.0003**
Stddev	.0001	.058	.0015	.0003	.0019	.0006	.0000	1.0	.0001
%RSD	19.78	3.374	99.68	51.15	1.154	1.311	25.27	.9124	18.76
#1	.0005	1.752	.0025	-.0008	.1628	.0497	.0002	112.7	.0003
#2	.0006	1.670	.0004	-.0004	.1655	.0488	.0001	111.2	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0042**	**.0040**	**.0056**	**2.020**	**4.657**	**17.69**	**.7235**	**.0045**	**181.3**
Stddev	.0001	.0005	.0003	.014	.046	.05	.0137	.0000	2.9
%RSD	1.715	12.58	5.495	.6775	.9898	.2569	1.897	.7894	1.607
#1	.0042	.0043	.0054	2.010	4.689	17.72	.7138	.0045	183.4
#2	.0041	.0036	.0058	2.030	4.624	17.65	.7332	.0045	179.3

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0046**	**.0457**	**-.0060**	**-.0034**	F **19.33**	**.0003**	**.0030**	**9.753**	**.0035**
Stddev	.0000	.0011	.0001	.0006	.22	.0001	.0004	.129	.0003
%RSD	.9962	2.386	1.688	18.76	1.140	34.53	13.28	1.322	8.184
#1	.0046	.0449	-.0059	-.0038	19.17	.0004	.0027	9.662	.0033
#2	.0046	.0465	-.0061	-.0029	19.48	.0002	.0032	9.844	.0037

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1696**	**.0733**	**-.0005**	**.0039**	**.0023**	**.0554**	**-.0538**
Stddev	.0001	.0069	.0001	.0000	.0012	.0006	.0004
%RSD	.0484	9.420	18.86	.1514	52.28	1.092	.8033
#1	.1696	.0684	-.0004	.0039	.0015	.0550	-.0534
#2	.1695	.0781	-.0006	.0039	.0032	.0558	-.0541

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4496.6**	**111220.**	**9693.2**
Stddev	46.6	1631.	44.4
%RSD	1.0369	1.4665	.45777
#1	4529.6	112380.	9661.8
#2	4463.6	110070.	9724.6

Zoom In Zoom Out

Sample Name: MC27056-11 Acquired: 12/16/2013 19:28:22 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0006**	**1.540**	**.0086**	**-.0025**	**.2274**	**.0881**	**.0001**	**95.41**	**.0002**
Stddev	.0000	.025	.0011	.0013	.0002	.0006	.0001	.08	.0001
%RSD	6.233	1.650	13.05	51.51	.1045	.7050	158.4	.0855	48.79
#1	.0006	1.522	.0078	-.0016	.2272	.0876	.0002	95.47	.0001
#2	.0005	1.558	.0094	-.0033	.2275	.0885	.0000	95.35	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0004**	**.0032**	**.0065**	**11.87**	**6.794**	**18.56**	**.1925**	**.0012**	**217.2**
Stddev	.0000	.0001	.0001	.03	.004	.15	.0006	.0000	3.3
%RSD	11.53	4.393	1.537	.2601	.0631	.8161	.3181	1.812	1.542
#1	.0004	.0031	.0064	11.85	6.791	18.67	.1929	.0013	214.9
#2	.0004	.0033	.0066	11.89	6.797	18.46	.1921	.0012	219.6

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0017**	**.0043**	**-.0027**	**.0011**	**5.559**	**.0001**	**.0015**	**15.22**	**-.0002**
Stddev	.0002	.0002	.0010	.0042	.002	.0009	.0007	.00	.0000
%RSD	12.89	5.437	37.78	367.5	.0304	1079.	48.42	.0098	11.39
#1	.0015	.0041	-.0034	-.0018	5.558	.0007	.0010	15.21	-.0002
#2	.0019	.0045	-.0020	.0041	5.560	-.0005	.0021	15.22	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2302**	**.0565**	**-.0006**	**.0042**	**.0027**	**.0400**	**-.0811**
Stddev	.0007	.0021	.0003	.0001	.0003	.0000	.0006
%RSD	.3246	3.775	54.95	1.332	11.68	.0601	.6832
#1	.2296	.0550	-.0009	.0042	.0030	.0400	-.0807
#2	.2307	.0580	-.0004	.0043	.0025	.0400	-.0815

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4492.9**	**109420.**	**9513.2**
Stddev	2.8	218.	7.7
%RSD	.06307	.19942	.08075
#1	4494.9	109270.	9507.7
#2	4490.9	109570.	9518.6

Zoom In Zoom Out

Sample Name: MC27056-12 Acquired: 12/16/2013 19:33:20 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0005**	**.6736**	**.0018**	**-.0019**	**.1717**	**.1024**	**.0000**	**122.0**	**.0002**
Stddev	.0005	.0137	.0007	.0004	.0006	.0006	.0000	.2	.0001
%RSD	102.6	2.030	36.10	18.34	.3354	.6246	64.48	.1951	32.43
#1	.0008	.6639	.0023	-.0017	.1721	.1029	.0001	121.8	.0002
#2	.0001	.6832	.0013	-.0022	.1713	.1020	.0000	122.1	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0003**	**.0030**	**.0018**	**4.235**	**7.532**	**27.31**	**.4286**	**.0006**	**104.1**
Stddev	.0002	.0002	.0005	.020	.066	.03	.0020	.0001	.2
%RSD	63.76	7.751	26.94	.4606	.8735	.1104	.4687	11.24	.1889
#1	.0004	.0031	.0015	4.249	7.485	27.29	.4272	.0005	104.0
#2	.0002	.0028	.0022	4.221	7.578	27.33	.4300	.0006	104.2

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0016**	**.0055**	**-.0055**	**-.0017**	**7.998**	**-.0006**	**.0012**	**10.28**	**-.0002**
Stddev	.0001	.0004	.0014	.0033	.006	.0005	.0009	.01	.0002
%RSD	5.932	7.770	24.52	196.0	.0811	81.70	77.04	.1201	90.45
#1	.0015	.0058	-.0065	-.0040	7.994	-.0003	.0006	10.29	-.0004
#2	.0017	.0052	-.0046	.0006	8.003	-.0010	.0019	10.27	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2542**	**.0218**	**-.0014**	**.0035**	**.0010**	**.0283**	**-.0576**
Stddev	.0005	.0033	.0001	.0002	.0004	.0000	.0007
%RSD	.1829	15.16	7.908	6.992	44.19	.0177	1.149
#1	.2538	.0242	-.0013	.0033	.0007	.0283	-.0580
#2	.2545	.0195	-.0015	.0037	.0013	.0283	-.0571

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4531.6**	**111080.**	**9615.0**
Stddev	9.1	565.	31.3
%RSD	.20000	.50822	.32517
#1	4525.2	111470.	9637.1
#2	4538.0	110680.	9592.9

Zoom In Zoom Out

Sample Name: MC27056-2 Acquired: 12/16/2013 19:38:11 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.7432**	**.0039**	**-.0009**	**.2385**	**.1067**	**.0001**	**157.4**	**.0002**
Stddev	.0001	.0036	.0004	.0017	.0000	.0005	.0000	.3	.0000
%RSD	19.72	.4783	9.879	186.0	.0188	.5029	1.772	.1932	13.92
#1	.0005	.7457	.0036	-.0022	.2385	.1063	.0001	157.2	.0002
#2	.0004	.7407	.0042	.0003	.2385	.1070	.0001	157.6	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0007**	**.0056**	**.0154**	**5.537**	**8.448**	**32.55**	**.9910**	**.0015**	**118.1**
Stddev	.0001	.0001	.0004	.013	.005	.20	.0093	.0001	.2
%RSD	19.08	1.676	2.845	.2358	.0618	.6023	.9355	6.075	.1799
#1	.0006	.0056	.0157	5.528	8.452	32.41	.9976	.0016	118.3
#2	.0007	.0057	.0151	5.546	8.445	32.69	.9845	.0014	118.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0031**	**.0164**	**-.0084**	**-.0025**	**5.105**	**.0006**	**.0015**	**9.340**	**.0001**
Stddev	.0001	.0000	.0011	.0007	.006	.0002	.0006	.001	.0000
%RSD	1.840	.1742	13.45	28.71	.1125	32.31	37.84	.0070	15.36
#1	.0031	.0164	-.0076	-.0031	5.109	.0007	.0011	9.339	.0001
#2	.0031	.0164	-.0092	-.0020	5.101	.0004	.0019	9.340	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3348**	**.0273**	**-.0005**	**.0040**	**.0024**	**.1017**	**-.0528**
Stddev	.0001	.0008	.0016	.0001	.0024	.0003	.0004
%RSD	.0405	2.971	313.2	3.208	97.76	.3067	.7051
#1	.3348	.0279	-.0017	.0039	.0041	.1014	-.0525
#2	.3347	.0267	.0006	.0041	.0008	.1019	-.0530

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4533.1**	**111400.**	**9640.2**
Stddev	4.5	609.	6.6
%RSD	.09929	.54663	.06872
#1	4536.3	110970.	9635.5
#2	4529.9	111830.	9644.9

Zoom In Zoom Out

Sample Name: MC27056-3 Acquired: 12/16/2013 19:43:04 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0006**	**.1762**	**.0017**	**-.0005**	**.2549**	**.0686**	**.0000**	**91.99**	**.0003**
Stddev	.0000	.0038	.0011	.0008	.0009	.0001	.000	.31	.0001
%RSD	8.498	2.151	64.77	174.8	.3340	.2150	458.3	.3416	22.85
#1	.0006	.1735	.0009	.0001	.2543	.0687	-.0001	91.76	.0003
#2	.0005	.1789	.0025	-.0010	.2555	.0685	.0000	92.21	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0012**	**.0010**	**.7935**	**4.451**	**17.73**	**.1288**	**.0043**	**87.28**
Stddev	.0001	.0001	.0005	.0012	.001	.10	.0005	.0001	.22
%RSD	63.44	4.806	50.07	.1494	.0223	.5458	.3702	1.489	.2566
#1	-.0002	.0012	.0007	.7927	4.451	17.66	.1291	.0043	87.13
#2	-.0001	.0011	.0014	.7944	4.452	17.80	.1285	.0042	87.44

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0021**	**.0010**	**-.0052**	**.0039**	**16.46**	**.0008**	**.0071**	**9.493**	**-.0004**
Stddev	.0001	.0005	.0006	.0001	.03	.0011	.0003	.048	.0001
%RSD	6.235	48.00	11.03	3.433	.1980	145.9	4.536	.5008	34.44
#1	.0020	.0013	-.0048	.0038	16.44	.0016	.0068	9.459	-.0004
#2	.0022	.0007	-.0057	.0040	16.49	.0000	.0073	9.526	-.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1787**	**.0032**	**-.0010**	**.0040**	**.0008**	**.1012**	**-.0546**
Stddev	.0017	.0002	.0005	.0006	.0003	.0001	.0005
%RSD	.9506	7.405	48.97	14.64	44.07	.1479	.9098
#1	.1775	.0034	-.0013	.0045	.0010	.1011	-.0543
#2	.1799	.0030	-.0006	.0036	.0005	.1013	-.0550

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4556.1**	**111350.**	**9594.7**
Stddev	10.5	237.	22.8
%RSD	.22947	.21310	.23741
#1	4563.5	111180.	9578.6
#2	4548.7	111520.	9610.8

Zoom In Zoom Out

Sample Name: MC27056-4 Acquired: 12/16/2013 19:47:54 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0004**	**.6002**	**.0015**	**-.0016**	**.1704**	**.1119**	**.0001**	**130.3**	**.0002**
Stddev	.0002	.0111	.0005	.0011	.0003	.0003	.0000	.1	.0000
%RSD	50.99	1.848	33.65	69.10	.1993	.3042	40.92	.1103	24.19
#1	.0003	.6080	.0011	-.0008	.1702	.1117	.0001	130.4	.0002
#2	.0006	.5923	.0018	-.0023	.1706	.1122	.0001	130.2	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0026**	**.0021**	**3.433**	**7.974**	**29.08**	**.4342**	**.0006**	**112.4**
Stddev	.0002	.0001	.0001	.037	.031	.05	.0000	.0001	.3
%RSD	74.92	2.668	2.971	1.065	.3926	.1825	.0055	11.74	.2484
#1	.0004	.0025	.0021	3.407	7.996	29.12	.4342	.0005	112.5
#2	.0001	.0026	.0022	3.459	7.952	29.05	.4342	.0006	112.2

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0016**	**.0035**	**-.0060**	**.0021**	**10.26**	**-.0006**	**.0011**	**9.382**	**-.0003**
Stddev	.0000	.0002	.0004	.0007	.01	.0001	.0012	.005	.0002
%RSD	2.669	5.491	6.088	35.13	.1216	10.19	109.0	.0555	72.26
#1	.0016	.0037	-.0063	.0027	10.27	-.0007	.0019	9.378	-.0002
#2	.0016	.0034	-.0057	.0016	10.25	-.0006	.0002	9.385	-.0005

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2701**	**.0177**	**-.0015**	**.0027**	**.0014**	**.0236**	**-.0530**
Stddev	.0017	.0007	.0005	.0004	.0001	.0001	.0001
%RSD	.6179	3.735	34.03	14.68	4.905	.5155	.1295
#1	.2689	.0172	-.0011	.0029	.0013	.0235	-.0531
#2	.2713	.0181	-.0019	.0024	.0014	.0237	-.0530

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4492.2**	**110340.**	**9589.7**
Stddev	4.5	129.	125.6
%RSD	.10008	.11679	1.3097
#1	4495.4	110250.	9500.9
#2	4489.1	110430.	9678.5

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/16/2013 19:52:45 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2412**	**9.917**	**2.002**	**-.0019**	**2.031**	**1.962**	**1.954**	**9.788**	**1.962**
Stddev	.0001	.004	.003	.0002	.006	.008	.002	.002	.003
%RSD	.0261	.0430	.1315	11.28	.3035	.4190	.0745	.0205	.1305
#1	.2412	9.914	2.003	-.0018	2.036	1.968	1.955	9.787	1.964
#2	.2412	9.920	2.000	-.0021	2.027	1.956	1.953	9.789	1.960

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.060**	**1.885**	**1.958**	**9.620**	**9.921**	**9.649**	**1.976**	**1.978**	**9.960**
Stddev	.003	.002	.013	.031	.062	.007	.006	.003	.013
%RSD	.1388	.1024	.6577	.3237	.6213	.0696	.3056	.1250	.1262
#1	2.062	1.887	1.949	9.598	9.877	9.654	1.972	1.976	9.951
#2	2.058	1.884	1.967	9.642	9.964	9.644	1.980	1.980	9.969

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.915**	**1.991**	**.0003**	**-.0086**	**.0001**	**2.021**	**2.011**	**.0152**	**1.971**
Stddev	.002	.007	.0008	.0028	.0022	.005	.005	.0011	.004
%RSD	.0917	.3629	299.1	32.36	2937.	.2485	.2281	7.037	.1753
#1	1.917	1.996	-.0003	-.0066	-.0015	2.024	2.015	.0160	1.973
#2	1.914	1.986	.0008	-.0106	.0017	2.017	2.008	.0144	1.969

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.928**	**1.884**	**2.026**	**1.878**	**-.0067**	**1.946**	**-.0090**
Stddev	.013	.001	.004	.007	.0003	.003	.0007
%RSD	.6580	.0770	.1832	.3614	4.379	.1357	8.071
#1	1.919	1.883	2.029	1.874	-.0069	1.948	-.0085
#2	1.937	1.885	2.024	1.883	-.0065	1.944	-.0095

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4701.0**	**114240.**	**9704.1**
Stddev	1.4	163.	45.2
%RSD	.03071	.14230	.46614
#1	4700.0	114120.	9672.1
#2	4702.1	114350.	9736.0

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/16/2013 19:57:30 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**.0086**	**.0007**	**-.0011**	**.0015**	**-.0001**	**.0001**	**-.0039**	**.0000**
Stddev	.0000	.0141	.0000	.0002	.0001	.0002	.0001	.0003	.0001
%RSD	.0515	163.4	4.128	17.03	7.572	151.8	70.98	7.564	116.5
#1	.0003	-.0013	.0007	-.0013	.0016	.0000	.0000	-.0041	.0001
#2	.0003	.0186	.0007	-.0010	.0015	-.0003	.0001	-.0037	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0002**	**.0004**	**.0017**	**-.0071**	**-.0151**	**.0000**	**.0030**	**.2764**
Stddev	.000	.0001	.0001	.0012	.0020	.0309	.0000	.0007	.0348
%RSD	106.5	38.49	19.86	68.94	28.16	204.2	45.77	25.21	12.58
#1	-.0001	.0002	.0003	.0009	-.0057	-.0369	.0000	.0035	.3010
#2	.0000	.0003	.0004	.0025	-.0085	.0067	.0000	.0024	.2518

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0003**	**-.0003**	**-.0001**	**.0030**	**.0024**	**-.0001**	**.0002**	**.0032**	**.0001**
Stddev	.0001	.0005	.0006	.0010	.0004	.0003	.0004	.0005	.0001
%RSD	17.90	172.4	517.8	31.93	15.72	485.4	213.3	17.04	273.3
#1	.0004	-.0006	-.0005	.0036	.0027	.0002	.0005	.0028	.0001
#2	.0003	.0001	.0003	.0023	.0021	-.0003	-.0001	.0035	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0002**	**.0016**	**.0004**	**.0010**	**-.0002**	**-.0024**
Stddev	.000	.0002	.0007	.0004	.0008	.0000	.0002
%RSD	66.91	124.5	43.81	94.37	72.65	8.640	9.417
#1	.0000	.0000	.0020	.0007	.0005	-.0002	-.0023
#2	.0000	.0003	.0011	.0001	.0016	-.0001	-.0026

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4683.3**	**114500.**	**9742.7**
Stddev	8.7	536.	138.1
%RSD	.18581	.46781	1.4170
#1	4689.4	114120.	9645.1
#2	4677.1	114870.	9840.3

Zoom In Zoom Out

Sample Name: MC27056-5 Acquired: 12/16/2013 20:02:27 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**.8841**	**.0025**	**-.0014**	**.1467**	**.0728**	**.0000**	**94.31**	**.0002**
Stddev	.0001	.0101	.0003	.0003	.0003	.0004	.0000	.12	.0000
%RSD	33.76	1.140	11.84	20.74	.1833	.5384	52.74	.1323	17.19
#1	.0004	.8912	.0027	-.0012	.1465	.0731	.0001	94.22	.0002
#2	.0003	.8769	.0023	-.0016	.1469	.0725	.0000	94.40	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0006**	**.0020**	**.0012**	**3.519**	**7.326**	**21.62**	**.3855**	**.0025**	**97.44**
Stddev	.0001	.0000	.0003	.014	.044	.02	.0032	.0001	.25
%RSD	18.28	1.164	25.61	.3986	.6007	.0880	.8261	4.243	.2552
#1	.0007	.0020	.0014	3.509	7.358	21.60	.3877	.0026	97.26
#2	.0005	.0020	.0010	3.529	7.295	21.63	.3832	.0025	97.61

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0023**	**.0012**	**-.0047**	**.0015**	F **22.71**	**.0001**	**.0006**	**8.795**	**-.0004**
Stddev	.0000	.0003	.0007	.0032	.01	.0000	.0002	.003	.0001
%RSD	1.026	27.34	14.49	215.0	.0426	54.46	38.26	.0350	21.96
#1	.0023	.0015	-.0051	-.0008	22.71	.0001	.0005	8.792	-.0003
#2	.0023	.0010	-.0042	.0038	22.70	.0001	.0008	8.797	-.0005

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1873**	**.0222**	**-.0008**	**.0026**	**.0013**	**.0214**	**-.0490**
Stddev	.0002	.0010	.0001	.0002	.0021	.0000	.0002
%RSD	.0853	4.576	13.14	7.227	166.4	.0063	.4923
#1	.1874	.0215	-.0008	.0025	.0027	.0214	-.0489
#2	.1872	.0229	-.0007	.0028	-.0002	.0214	-.0492

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4535.8**	**110710.**	**9551.4**
Stddev	.6	555.	1.4
%RSD	.01346	.50129	.01489
#1	4536.2	110320.	9550.4
#2	4535.4	111100.	9552.4

Zoom In Zoom Out

Sample Name: MC27056-6 Acquired: 12/16/2013 20:07:19 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0008**	**4.030**	**.0081**	**-.0011**	**.1142**	**.0777**	**.0002**	**95.66**	**.0003**
Stddev	.0003	.044	.0003	.0000	.0002	.0003	.0000	.13	.0001
%RSD	40.40	1.097	3.996	1.333	.1527	.4078	7.516	.1410	27.80
#1	.0006	3.999	.0083	-.0011	.1143	.0780	.0001	95.56	.0002
#2	.0010	4.062	.0078	-.0011	.1141	.0775	.0002	95.75	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0033**	**.0063**	**.0057**	**9.707**	**4.243**	**21.99**	**.3826**	**.0037**	**39.72**
Stddev	.0001	.0000	.0001	.012	.015	.10	.0009	.0001	.07
%RSD	2.442	.1197	.9581	.1197	.3521	.4736	.2325	2.718	.1642
#1	.0034	.0063	.0058	9.716	4.232	21.92	.3820	.0036	39.76
#2	.0032	.0063	.0057	9.699	4.253	22.07	.3833	.0038	39.67

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0047**	**.0185**	**-.0041**	**-.0010**	F **25.04**	**.0035**	**.0015**	**17.47**	**.0001**
Stddev	.0001	.0002	.0004	.0033	.01	.0002	.0001	.26	.0000
%RSD	1.607	1.304	9.695	337.7	.0594	6.376	7.004	1.467	18.72
#1	.0047	.0183	-.0044	-.0033	25.05	.0034	.0016	17.66	.0001
#2	.0048	.0187	-.0038	.0013	25.03	.0037	.0015	17.29	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1552**	**.1083**	**-.0009**	**.0083**	**.0017**	**.0421**	**-.0946**
Stddev	.0013	.0009	.0004	.0001	.0003	.0001	.0000
%RSD	.8209	.8270	46.68	1.121	16.66	.2219	.0116
#1	.1561	.1090	-.0006	.0084	.0015	.0422	-.0946
#2	.1543	.1077	-.0012	.0083	.0019	.0421	-.0946

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4580.1**	**112210.**	**9609.2**
Stddev	2.9	208.	45.4
%RSD	.06262	.18542	.47241
#1	4578.0	112360.	9577.1
#2	4582.1	112070.	9641.3

Zoom In Zoom Out

Sample Name: MC27056-7 Acquired: 12/16/2013 20:12:08 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0005	.4259	.0033	-.0016	.1564	.0504	.0000	82.12	.0002
Stddev	.0003	.0187	.0006	.0002	.0002	.0011	.0000	1.02	.0001
%RSD	56.14	4.387	18.56	14.84	.1529	2.151	295.7	1.244	47.77
#1	.0007	.4127	.0028	-.0018	.1562	.0512	.0000	82.84	.0003
#2	.0003	.4391	.0037	-.0015	.1565	.0497	.0000	81.39	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	.0016	.0013	8.503	1.408	15.40	.2567	.0012	8.530
Stddev	.0001	.0001	.0001	.133	.008	.33	.0005	.0000	.077
%RSD	49.76	7.166	6.701	1.560	.5604	2.112	.2140	1.030	.8991
#1	.0001	.0016	.0014	8.597	1.414	15.63	.2563	.0012	8.584
#2	.0003	.0015	.0013	8.409	1.403	15.17	.2571	.0012	8.476

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0007	.0025	-.0030	.0006	16.17	-.0001	.0004	12.27	-.0001
Stddev	.0002	.0008	.0003	.0000	.02	.0002	.0003	.01	.0001
%RSD	21.22	33.43	9.812	5.569	.1134	197.5	70.36	.0446	77.68
#1	.0008	.0019	-.0028	.0006	16.16	-.0002	.0006	12.26	-.0001
#2	.0006	.0031	-.0032	.0006	16.18	.0000	.0002	12.27	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.2061	.0112	-.0003	.0033	-.0005	.0307	-.0699
Stddev	.0021	.0001	.0008	.0002	.0003	.0000	.0001
%RSD	1.014	1.270	276.2	6.757	60.10	.1533	.1007
#1	.2076	.0113	.0003	.0034	-.0007	.0307	-.0699
#2	.2046	.0111	-.0009	.0031	-.0003	.0308	-.0700

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4582.0	113100.	9559.0
Stddev	2.4	409.	139.9
%RSD	.05336	.36193	1.4640
#1	4580.3	113390.	9460.1
#2	4583.8	112810.	9658.0

Zoom In Zoom Out

Sample Name: MC27056-8 Acquired: 12/16/2013 20:17:00 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0008	.8378	.0194	-.0018	.2447	.0906	.0001	103.3	.0003
Stddev	.0003	.0183	.0004	.0007	.0010	.0003	.0000	1.0	.0000
%RSD	36.27	2.184	1.893	41.01	.4013	.3656	1.894	.9660	14.04
#1	.0011	.8248	.0191	-.0023	.2440	.0904	.0001	102.6	.0003
#2	.0006	.8507	.0196	-.0013	.2454	.0909	.0001	104.0	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0001	.0031	.0026	11.87	6.568	29.65	.5900	.0008	F 239.2
Stddev	.0000	.0001	.0006	.09	.093	.27	.0037	.0002	1.8
%RSD	18.29	3.334	21.15	.7663	1.411	.9060	.6246	25.05	.7462
#1	.0002	.0031	.0030	11.81	6.502	29.46	.5926	.0009	240.5
#2	.0001	.0030	.0023	11.94	6.633	29.84	.5874	.0006	238.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0009	.0028	-.0035	-.0016	1.552	.0008	.0003	14.33	-.0001
Stddev	.0001	.0001	.0012	.0004	.002	.0003	.0001	.08	.0001
%RSD	10.41	3.623	35.05	23.09	.0995	42.04	41.51	.5614	70.25
#1	.0008	.0028	-.0026	-.0013	1.551	.0010	.0002	14.27	.0000
#2	.0010	.0029	-.0044	-.0019	1.553	.0005	.0004	14.39	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.2241	.0230	-.0010	.0044	-.0002	.0418	-.0792
Stddev	.0022	.0003	.0009	.0003	.0021	.0002	.0010
%RSD	.9980	1.233	85.29	6.544	1168.	.3828	1.325
#1	.2225	.0228	-.0016	.0046	-.0016	.0416	-.0785
#2	.2257	.0232	-.0004	.0042	.0013	.0419	-.0799

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4451.1	109090.	9544.4
Stddev	7.9	687.	89.1
%RSD	.17707	.62983	.93318
#1	4456.7	108600.	9607.4
#2	4445.6	109580.	9481.4

Zoom In Zoom Out

Sample Name: MC27056-9 Acquired: 12/16/2013 20:21:57 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0005	1.306	.0035	-.0018	.1474	.0602	.0002	133.8	.0003
Stddev	.0001	.033	.0007	.0000	.0000	.0003	.0000	.2	.0000
%RSD	24.44	2.543	20.65	2.562	.0212	.5452	11.72	.1712	6.912
#1	.0004	1.330	.0040	-.0018	.1474	.0600	.0002	134.0	.0003
#2	.0006	1.283	.0030	-.0018	.1474	.0604	.0002	133.7	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0010	.0036	.0029	5.731	4.619	32.29	.2920	.0037	27.85
Stddev	.0000	.0003	.0001	.006	.055	.03	.0011	.0001	.20
%RSD	.3726	7.515	4.519	.1035	1.189	.1000	.3851	3.170	.7016
#1	.0010	.0038	.0030	5.736	4.657	32.31	.2928	.0037	27.99
#2	.0010	.0034	.0028	5.727	4.580	32.26	.2912	.0036	27.71

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0024	.0102	-.0066	.0012	13.50	.0012	.0105	10.22	.0002
Stddev	.0002	.0004	.0008	.0025	.03	.0001	.0000	.01	.0001
%RSD	6.377	4.304	11.48	209.9	.1992	8.008	.0272	.1275	44.40
#1	.0025	.0105	-.0071	.0029	13.48	.0013	.0105	10.21	.0001
#2	.0023	.0098	-.0061	-.0006	13.52	.0012	.0105	10.23	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.2410	.0366	-.0010	.0039	-.0006	.0626	-.0576
Stddev	.0007	.0000	.0001	.0004	.0019	.0000	.0007
%RSD	.2798	.0203	11.44	9.989	308.8	.0231	1.164
#1	.2405	.0366	-.0010	.0036	-.0020	.0626	-.0571
#2	.2415	.0366	-.0011	.0041	.0007	.0626	-.0581

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4512.8	111430.	9494.4
Stddev	8.6	266.	13.1
%RSD	.19112	.23892	.13788
#1	4518.9	111240.	9485.1
#2	4506.7	111610.	9503.6

Zoom In Zoom Out

Sample Name: RINSECONF Acquired: 12/16/2013 20:26:49 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0000	.0013	.0007	-.0013	.0005	-.0001	.0000	.0134	.0002
Stddev	.0001	.0083	.0005	.0003	.0000	.0000	.000	.0042	.0000
%RSD	1242.	646.5	68.91	21.38	3.552	27.34	144.1	31.52	20.93
#1	.0001	-.0046	.0004	-.0011	.0005	-.0001	.0000	.0104	.0002
#2	-.0001	.0071	.0010	-.0015	.0005	-.0001	.0000	.0163	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0001	.0000	.0003	.0037	.0035	.0015	.0000	.0001	.3358
Stddev	.0000	.000	.0000	.0010	.0537	.0062	.0001	.0000	.0461
%RSD	50.26	501.1	10.75	26.35	1544.	422.4	190.4	4.275	13.74
#1	-.0001	.0001	.0003	.0044	-.0345	-.0029	.0000	.0001	.3032
#2	.0000	-.0002	.0004	.0030	.0414	.0059	.0001	.0001	.3684

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0000	.0001	-.0007	.0036	.0041	-.0004	.0005	.0043	-.0002
Stddev	.0000	.0001	.0008	.0004	.0008	.0012	.0003	.0003	.0000
%RSD	21.97	143.7	119.8	10.22	19.15	258.7	70.04	7.673	14.80
#1	.0001	.0000	-.0013	.0038	.0046	-.0013	.0002	.0045	-.0002
#2	.0000	.0001	-.0001	.0033	.0035	.0004	.0007	.0040	-.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0001	-.0003	-.0002	-.0001	.0013	.0001	-.0015
Stddev	.0001	.0002	.0000	.0001	.0008	.0000	.0001
%RSD	72.08	52.78	1.144	150.8	62.01	.7089	7.644
#1	-.0002	-.0004	-.0002	-.0002	.0018	.0001	-.0016
#2	-.0001	-.0002	-.0003	.0000	.0007	.0001	-.0015

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4670.3	113140.	9513.4
Stddev	.1	106.	8.4
%RSD	.00134	.09372	.08787
#1	4670.3	113210.	9519.3
#2	4670.3	113060.	9507.5

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/16/2013 20:31:44 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0049**	**.2015**	**.0042**	**-.0017**	**.1049**	**.0493**	**.0039**	**4.882**	**.0042**
Stddev	.0004	.0114	.0005	.0001	.0002	.0002	.0001	.043	.0000
%RSD	7.158	5.634	13.10	3.674	.2205	.3716	2.837	.8708	.6361
#1	.0047	.1935	.0038	-.0016	.1048	.0491	.0038	4.852	.0042
#2	.0052	.2095	.0046	-.0017	.1051	.0494	.0040	4.912	.0042

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0529**	**.0100**	**.0246**	**.1001**	**5.031**	**4.881**	**.0154**	**.1024**	**5.161**
Stddev	.0002	.0000	.0003	.0025	.033	.071	.0003	.0004	.021
%RSD	.3555	.3989	1.386	2.518	.6533	1.460	1.988	.4041	.3992
#1	.0527	.0099	.0244	.0983	5.008	4.830	.0152	.1021	5.147
#2	.0530	.0100	.0249	.1019	5.054	4.931	.0157	.1026	5.176

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0403**	**.0046**	**.0002**	**.0032**	**.0029**	**.0070**	**.0110**	**.0223**	**.1001**
Stddev	.0001	.0000	.0002	.0035	.0005	.0001	.0007	.0001	.0002
%RSD	.3159	.9482	76.87	109.0	16.68	1.422	6.684	.2281	.1975
#1	.0402	.0046	.0003	.0007	.0033	.0069	.0105	.0223	.1000
#2	.0404	.0045	.0001	.0057	.0026	.0071	.0115	.0223	.1003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0096**	**.0484**	**.0053**	**.0102**	**-.0001**	**.0209**	**-.0019**
Stddev	.0002	.0007	.0004	.0007	.0020	.0000	.0006
%RSD	2.353	1.396	7.104	7.343	1364.	.0355	32.56
#1	.0094	.0479	.0056	.0097	.0013	.0209	-.0023
#2	.0097	.0489	.0051	.0107	-.0016	.0209	-.0015

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4676.6**	**113630.**	**9615.5**
Stddev	18.8	1417.	2.8
%RSD	.40146	1.2466	.02906
#1	4689.8	114640.	9617.5
#2	4663.3	112630.	9613.5

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/16/2013 20:36:35 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0005**	**536.1**	**.0009**	**.0028**	**.0007**	**-.0001**	**.0001**	**453.1**	**.0005**
Stddev	.0001	.8	.0015	.0006	.0008	.0002	.0001	.4	.0001
%RSD	28.77	.1460	165.9	20.44	120.0	151.5	61.74	.0798	11.62
#1	.0004	536.7	-.0002	.0032	.0012	-.0003	.0001	453.4	.0006
#2	.0005	535.5	.0020	.0024	.0001	.0000	.0002	452.9	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0009**	**.0001**	**-.0041**	**182.7**	**.0770**	**499.2**	**.0004**	**-.0023**	**.2255**
Stddev	.0000	.0003	.0005	1.0	.0127	4.0	.0001	.0000	.0050
%RSD	1.172	328.9	12.32	.5673	16.55	.7925	15.58	.2043	2.206
#1	-.0009	.0003	-.0038	183.5	.0860	502.0	.0004	-.0023	.2291
#2	-.0009	-.0001	-.0045	182.0	.0680	496.4	.0003	-.0023	.2220

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0042**	**-.0009**	**-.0070**	**-.0051**	**.1002**	**.0014**	**.0013**	**.0462**	**-.0025**
Stddev	.0004	.0021	.0004	.0000	.0028	.0002	.0007	.0008	.0005
%RSD	8.612	232.6	5.457	.3684	2.765	13.69	57.05	1.637	19.83
#1	-.0044	.0006	-.0068	-.0051	.1022	.0013	.0008	.0457	-.0021
#2	-.0039	-.0024	-.0073	-.0051	.0983	.0015	.0018	.0468	-.0028

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0077**	**.0054**	**-.0011**	**.0007**	**-.0131**	**-.0004**	**-.0004**
Stddev	.0001	.0001	.0016	.0001	.0059	.0001	.0002
%RSD	.7428	2.772	154.5	17.23	44.86	20.14	47.07
#1	-.0077	.0055	.0001	.0007	-.0172	-.0005	-.0003
#2	-.0078	.0053	-.0022	.0006	-.0089	-.0004	-.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4289.6**	**105920.**	**9216.7**
Stddev	10.7	666.	31.3
%RSD	.25058	.62843	.33976
#1	4297.2	105450.	9194.5
#2	4282.0	106390.	9238.8

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/16/2013 20:41:35 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**1.009**	**526.9**	**2.117**	**.4770**	**.9932**	**.5050**	**.4631**	**447.7**	**.9967**
Stddev	.001	3.6	.000	.0012	.0003	.0020	.0000	.3	.0003
%RSD	.1012	.6919	.0193	.2480	.0326	.3878	.0093	.0688	.0321
#1	1.010	524.3	2.117	.4778	.9935	.5064	.4631	447.9	.9965
#2	1.008	529.5	2.117	.4761	.9930	.5036	.4631	447.4	.9969

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4641**	**.4525**	**.4870**	**180.8**	**.0373**	**493.0**	**.4723**	**.9264**	**.1616**
Stddev	.0012	.0001	.0007	1.0	.0136	.3	.0002	.0008	.0147
%RSD	.2482	.0148	.1468	.5384	36.48	.0568	.0418	.0877	9.069
#1	.4649	.4524	.4875	181.5	.0277	493.2	.4725	.9258	.1512
#2	.4633	.4525	.4865	180.1	.0470	492.8	.4722	.9270	.1720

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.8286**	**.8824**	**.4617**	**.4655**	**.5571**	**2.076**	**2.013**	**2.110**	**.9237**
Stddev	.0004	.0004	.0003	.0020	.0006	.000	.001	.005	.0023
%RSD	.0448	.0414	.0745	.4200	.1049	.0098	.0676	.2193	.2522
#1	.8288	.8821	.4619	.4641	.5566	2.076	2.014	2.113	.9254
#2	.8283	.8826	.4615	.4669	.5575	2.076	2.013	2.107	.9221

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.9507**	**.4620**	**1.836**	**.4650**	**1.775**	**.8927**	**.3850**
Stddev	.0082	.0003	.001	.0016	.004	.0012	.0020
%RSD	.8589	.0619	.0710	.3515	.2247	.1376	.5071
#1	.9564	.4618	1.835	.4661	1.778	.8935	.3836
#2	.9449	.4622	1.837	.4638	1.772	.8918	.3863

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4301.8**	**105180.**	**9370.7**
Stddev	13.4	101.	45.1
%RSD	.31248	.09605	.48124
#1	4292.3	105100.	9402.5
#2	4311.3	105250.	9338.8

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/16/2013 20:46:29 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2415**	**10.05**	**2.008**	**-.0014**	**2.047**	**1.986**	**1.963**	**9.840**	**1.967**
Stddev	.0008	.07	.001	.0005	.004	.007	.006	.022	.001
%RSD	.3365	.6829	.0419	37.12	.2190	.3478	.2890	.2213	.0288
#1	.2421	10.09	2.007	-.0018	2.044	1.991	1.967	9.855	1.967
#2	.2410	9.997	2.009	-.0010	2.050	1.981	1.959	9.824	1.966

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.067**	**1.903**	**1.967**	**9.743**	**9.934**	**9.863**	**1.985**	**1.986**	**9.939**
Stddev	.001	.008	.007	.032	.029	.065	.005	.006	.006
%RSD	.0533	.3971	.3480	.3300	.2891	.6541	.2338	.3100	.0649
#1	2.066	1.898	1.972	9.766	9.914	9.817	1.981	1.981	9.944
#2	2.067	1.908	1.962	9.721	9.954	9.908	1.988	1.990	9.935

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.917**	**2.003**	**.0014**	**-.0082**	**-.0017**	**2.035**	**2.019**	**.0117**	**1.982**
Stddev	.001	.004	.0013	.0027	.0004	.003	.004	.0003	.004
%RSD	.0533	.2227	87.82	33.51	21.57	.1417	.1809	2.641	.2240
#1	1.917	2.000	.0005	-.0063	-.0020	2.033	2.017	.0119	1.979
#2	1.916	2.006	.0023	-.0101	-.0015	2.037	2.022	.0115	1.985

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.948**	**1.897**	**2.043**	**1.891**	**.0030**	**1.952**	**.0467**
Stddev	.006	.004	.006	.005	.0030	.001	.0107
%RSD	.3323	.2115	.3051	.2585	100.1	.0440	22.82
#1	1.953	1.894	2.038	1.888	.0009	1.952	.0542
#2	1.943	1.900	2.047	1.895	.0051	1.953	.0392

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4679.3**	**113950.**	**9551.2**
Stddev	12.6	549.	28.6
%RSD	.26963	.48216	.29978
#1	4688.3	114340.	9571.4
#2	4670.4	113560.	9530.9

Zoom In
Zoom Out

Sample Name: CCB Acquired: 12/16/2013 20:51:13 Type: Unk
Method: Accutest -SS1 with S(v278) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0003**	**.0059**	**.0007**	**-.0010**	**.0020**	**.0000**	**.0000**	**-.0004**	**.0001**
Stddev	.0002	.0028	.0002	.0005	.0003	.0000	.000	.0032	.0001
%RSD	73.92	47.61	34.31	50.41	17.40	191.0	88.52	894.8	91.99
#1	.0001	.0078	.0005	-.0007	.0022	.0000	.0000	.0019	.0001
#2	.0004	.0039	.0009	-.0014	.0017	.0000	.0000	-.0026	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0003**	**.0001**	**.0028**	**-.0608**	**-.0090**	**.0000**	**.0031**	**.1142**
Stddev	.0001	.0000	.0001	.0005	.0161	.0222	.000	.0008	.0100
%RSD	10540.	13.07	204.0	18.32	26.41	245.0	42.26	24.74	8.748
#1	.0000	.0003	.0001	.0024	-.0721	.0066	.0000	.0036	.1072
#2	.0000	.0004	.0000	.0031	-.0494	-.0247	.0000	.0026	.1213

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0003**	**-.0002**	**.0008**	**-.0007**	**-.0007**	**.0005**	**.0007**	**.0031**	**.0002**
Stddev	.0000	.0000	.0006	.0001	.0010	.0001	.0006	.0006	.0002
%RSD	9.429	3.331	79.11	17.46	152.5	27.19	83.23	18.63	149.4
#1	.0003	-.0002	.0004	-.0007	.0001	.0004	.0011	.0027	.0000
#2	.0003	-.0002	.0012	-.0006	-.0014	.0006	.0003	.0035	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**-.0002**	**.0016**	**.0006**	**.0035**	**-.0001**	**-.0022**
Stddev	.000	.0004	.0007	.0001	.0040	.0000	.0007
%RSD	513.1	175.9	46.14	18.49	115.6	7.003	32.39
#1	.0000	.0001	.0021	.0007	.0063	-.0001	-.0017
#2	-.0001	-.0005	.0011	.0005	.0006	-.0001	-.0027

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4651.7**	**113180.**	**9595.1**
Stddev	6.6	646.	8.1
%RSD	.14131	.57080	.08418
#1	4647.0	112720.	9600.8
#2	4656.3	113630.	9589.4

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	0.000004	0.000000	No
			Co	0.000007	0.000000	No
			Mn	0.000117	0.000000	No
			Mo	-0.000064	0.000000	No
			Cu	0.000004	0.000000	No
			Ti	-0.000067	0.000000	No
			Al	-0.000001	0.000000	No
			Zr	0.005523	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.002154	0.000000	No
			Mo	0.045639	0.000000	No
			Ca	0.000849	0.000000	No
As 189.042 {479}	☒	10	V	-0.000041	0.000000	No
			Al	-0.000002	0.000000	No
			Mo	0.000104	0.000000	No
			Fe	-0.000002	0.000000	No
			Mn	-0.000054	0.000000	No
			Ca	0.000001	0.000000	No
			Mg	-0.000001	0.000000	No
			Cr	0.000311	0.000000	No
			Na	-0.000002	0.000000	No
			Co	-0.001649	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000260	0.000000	No
			Mn	0.011376	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.051849	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000009	0.000000	No
Be 313.042 {108}	☒	3	V	0.000458	0.000000	No
			Mo	-0.000020	0.000000	No
			Ti	-0.000304	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	4	Ni	-0.000027	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000026	0.000000	No
			Ca	0.000000	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000059	0.000000	No
			Mo	-0.000045	0.000000	No
			Ti	0.001924	0.000000	No
			Ca	0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000002	0.000000	No
			Mn	0.000203	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000085	0.000000	No
			V	-0.000112	0.000000	No
			Mo	-0.000003	0.000000	No
			Co	-0.000511	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000600	0.000000	No
			Co	-0.000015	0.000000	No
			Cr	0.000162	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000003	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000578	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Al	0.000598	0.000000	No
Ni 231.604 {446}	☒	3	Mo	-0.000403	0.000000	No
			Fe	0.000021	0.000000	No
			Ca	-0.000000	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000084	0.000000	No
			Mn	0.000082	0.000000	No
			Mo	-0.001171	0.000000	No
			Co	0.000025	0.000000	No
			Cu	0.000067	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	0.000043	0.000000	No
			Mg	0.000003	0.000000	No
			Ni	0.000265	0.000000	No
			Si	0.000030	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000342	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.006177	0.000000	No
			Ni	0.000902	0.000000	No
			Mn	-0.001770	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
S 182.034 {485}	☒	3	Al	-0.000108	0.000000	No
			Ca	-0.000041	0.000000	No
			Fe	-0.000134	0.000000	No
Sb 206.833 {463}	☒	11	Al	0.000004	0.000000	No
			Fe	0.000039	0.000000	No
			Cr	0.009310	0.000000	No
			Mo	-0.002011	0.000000	No
			Mg	0.000001	0.000000	No
			Ni	-0.000189	0.000000	No
			V	-0.001826	0.000000	No
			Ca	-0.000002	0.000000	No
			Ti	-0.000106	0.000000	No
			Cu	-0.000042	0.000000	No
			Sn	-0.009353	0.000000	No
Se 196.090 {472}	☒	7	Al	-0.000001	0.000000	No
			Fe	-0.000311	0.000000	No
			Mn	0.000602	0.000000	No
			Mo	0.000211	0.000000	No
			Ca	-0.000005	0.000000	No
			Na	-0.000001	0.000000	No
			Co	-0.000789	0.000000	No
Si 212.412 {459}	☒	3	V	0.030413	0.000000	No
			Ti	0.006483	0.000000	No
			Mo	0.043276	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.001480	0.000000	No
			Cr	0.000243	0.000000	No
			V	-0.044391	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Co	0.004887	0.000000	No
				Al	-0.000003	0.000000	No
				Fe	0.000005	0.000000	No
				Ti	-0.002460	0.000000	No
				Mo	-0.000063	0.000000	No
				Ca	-0.000004	0.000000	No
				Na	-0.000002	0.000000	No
	V 292.402 {115}	☒	3	Ti	0.000445	0.000000	No
				Mo	-0.004843	0.000000	No
				Fe	0.000018	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000141	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000003	0.000000	No
				Mn	0.000018	0.000000	No
				Ni	0.000039	0.000000	No
				Cr	-0.000497	0.000000	No
				Mo	0.000207	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000006	0.000000	No
				Na	0.000004	0.000000	No
	Zr 339.198 { 99}	☒	5	Si	0.005567	0.000000	No
				Ti	0.000761	0.000000	No
				Fe	0.000014	0.000000	No
				Sn	0.002851	0.000000	No
				V	0.002032	0.000000	No

Prep QC: MP22261

ACCUTEST

Date:	12/16/13
Time	9:10

Name:	ERICM1/MA
MP Batch ID:	MP22261
QC Sample ID:	MC27087-3F

Reagent Lot #	
1:1 HNO3	
1:1 HCL	RGT-38731-METALS
Conc HNO3	VENDOR-38733
H2O2	
LCS	
Filter Paper Lot #	
Digetion Tube Lot #	1308077

Aqueous EPA 200.7/ 200.8	○
Aqueous SW846 3010A	◉
Soil- SW846 3050B	○

WW

ML Used	Spike Lot#
0.5	RGT-38678-METALS
0.5	RGT-38679-METALS
0.5	RGT-38680-METALS
0.5	RGT-38582-METALS
Spike ID	MPICP

Dig Block ID:	4	Therm ID	GN017	Temp. C	95	Factor	-1	Corrected Temp C	94
Dig Block ID:		Therm ID		Temp. C		Factor		Corrected Temp C	
Balance ID:	N/A	Repipetor ID	1						

Note: (A)Serial dilution shown for QC purposes only (not a seperate digestion). (B) For DW samples <1NTU, measure pH prior to analysis.

Bot#	Sample #	Initial ML	Final (ML)			1:1 HNO3 (ML)	Conc. HNO3 (ML)	1:1 HCL (ML)	H2O2 (ML)	Comment
	MP22261-MB1	50	50				3	5		
	MP22261-B1	50	50				3	5		
6	MP22261-S1	50	50				3	5		
6	MP22261-SD1	50	50				3	5		
	MP22261-B2	50	50				3	5		
6	MP22261-S2	50	50				3	5		
4	MC27081-1	50	50				3	5		
1	MC27086-3	50	50				3	5		
5	MC27087-10	50	50				3	5		
6	MC27087-10F	50	50				3	5		
5	MC27087-15	50	50				3	5		
6	MC27087-15F	50	50				3	5		
5	MC27087-3	50	50				3	5		
6	MC27087-3F	50	50				3	5		
5	MC27087-9	50	50				3	5		
6	MC27087-9F	50	50				3	5		
1	MC27088-16	50	50				3	5		
1	MC27088-18	50	50				3	5		
5	MC27119-1	50	50				3	5		
5	MC27119-2	50	50				3	5		
5	MC27119-3	50	50				3	5		
5	MC27119-4	50	50				3	5		
5	MC27119-5	50	50				3	5		
5	MC27119-6	50	50				3	5		
5	MC27119-7	50	50				3	5		
1	MC27138-3	50	50				3	5		

Protected Worksheet MMP003-02 QC Review PuiY Date: 12/17/13

(Format edits must be done by dept. Manager)

11.3.1 11

HG AQ: SW846 7470A

AQ ◉ SO ○ **Analysis: Hg**

Protected Worksheet
Format edits must be done by Dept. Manager

MP#	MP22268	Date	12/17/13	Balance ID	N/A	Pipet ID	1	Prep Analyst	EM/MA		
Dig Block ID	1	Therm ID	GN011	Temp	95	Factor	-1.5	Corr. Temp. Deg C	93.5	Start Time	7:50	End Time	9:50
Dig Block ID	1	Therm ID	GN011	Temp	95	Factor	-1.5	Corr. Temp. Deg C	93.5	Start Time	8:00	End Time	10:00
MA#	MA16566	Date	12/19/13	Run File	H2121913W2.PRN			Calib File	2121913W			Analyst	SARAHA

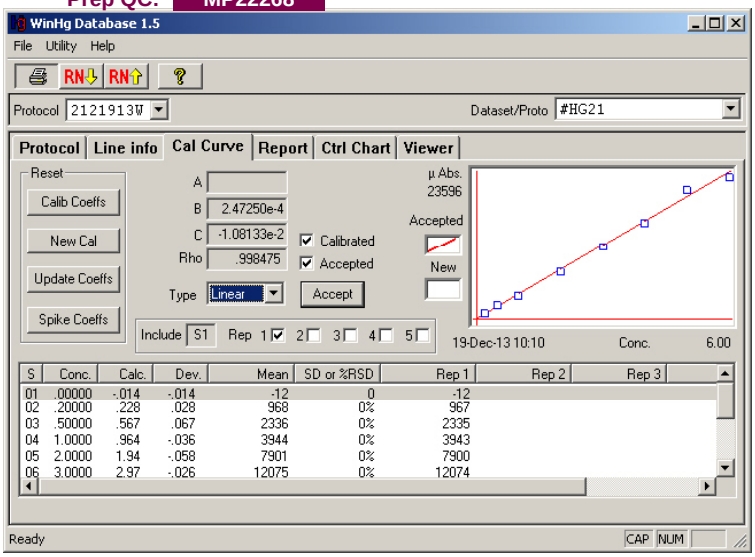
Bot#	Sample ID	Init ML	Fin ML	Block ID	Comments					Bot#	Sample ID	Init ML	Fin ML	Block ID	Comments
	RB	20	20	1						10	MC27129-6	20	20	1	
	STD#1	20	20	1	4	ml of METSTD	32231	Hg-	3	4	MC27035-1	20	20	1	
	STD#2	20	20	1	10	ml of METSTD	32231	Hg-	3	5	MC27046-3	20	20	1	
	STD#3	20	20	1	2	ml of METSTD	32231	Hg-	2	4	MC27077-1	20	20	1	
	STD#4	20	20	1	4	ml of METSTD	32231	Hg-	2	4	MC27077-2	20	20	1	
	STD#5	20	20	1	6	ml of METSTD	32231	Hg-	2	4	MC27077-3	20	20	1	
	STD#6	20	20	1	8	ml of METSTD	32231	Hg-	2	4	MC27081-1	20	20	1	
	STD#7	20	20	1	10	ml of METSTD	32231	Hg-	2	1	MC27086-3	20	20	1	
	STD#8	20	20	1	12	ml of METSTD	32231	Hg-	2	1	MC27088-16	20	20	1	
	ICV	20	20	1	8	ml of METSTD	32232	Hg-	2	1	MC27088-18	20	20	1	
	CCV	20	20	1	6	ml of METSTD	32231	Hg-	2	8	MC27113-1	20	20	1	
	CRI	20	20	1	4	ml of METSTD	32231	Hg-	3	8	MC27113-2	20	20	1	
	ICB	20	20	1						8	MC27113-3	20	20	1	
	CCB	20	20	1						8	MC27113-4	20	20	1	
	MB	20	20	1						8	MC27113-5	20	20	1	
	SB	20	20	1	0.6	ml of METSTD	32231	Hg-	1	8	MC27113-6	20	20	1	
	SBD	20	20	1	0.6	ml of METSTD	32231	Hg-	1	8	MC27113-7	20	20	1	
11	MS MC27035-2	20	20	1	0.6	ml of METSTD	32231	Hg-	1	8	MC27113-8	20	20	1	
11	MSD MC27035-2	20	20	1	0.6	ml of METSTD	32231	Hg-	1	1	MC27138-3	20	20	1	
11	MC27035-2	20	20	1											
10	MS MC27129-6	20	20	1	0.6	ml of METSTD	32231	Hg-	1						
10	MSD MC27129-6	20	20	1	0.6	ml of METSTD	32231	Hg-	1						

Reagent Lot#

Pot. Permanganate	RGT-	38706	_HG	Stannous Chloride	RGT-	38818	_HG	Conc. HNO3	Vendor- 14314
Pot. Persulfate	RGT-	38671	_HG	Stannous Sulfate	RGT-	****N/A****	_HG	Conc. H2SO4	Vendor- 14009
Hydroxylamine.SO4	RGT-	38661	_HG	Instrument ID:	HG-2			Dig.Tubes	1308077

Comment:

QC Review: PuiY **Date:** 12/19/13 **MMA015-02**


WinHg Database 1.5
File Utility Help
RN RN
Protocol 2121913W
Dataset/Proto #HG21
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 2.47250e-4
C -1.08133e-2
Rho .998475
Type Linear
Calibrated
Accepted
Accept
µ Abs.
23596
Accepted
New
Include S1 Rep 1 2 3 4 5
19-Dec-13 10:10
Conc. 6.00
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 -.014 -.014 -12 0 -12
02 .20000 .228 .028 968 0% 967
03 .50000 .567 .067 2336 0% 2335
04 1.0000 .964 -.036 3944 0% 3943
05 2.0000 1.94 -.058 7901 0% 7900
06 3.0000 2.97 -.026 12075 0% 12074
Ready
CAP NUM

New England ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP17033/GN45502	0.010	0.0	mg/l	0.1	0.106	106.0	90-110%
Cyanide	GP17033/GN45502			mg/l	0.2	0.209	104.5	90-110%

Associated Samples:
Batch GP17033: MC27081-1
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Cyanide	GP17033/GN45502	mg/l	0.1	0.108	1.9	20%

Associated Samples:
Batch GP17033: MC27081-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP17033/GN45502	MC27035-2	mg/l	0.028	0.028	0.0	0-20%

Associated Samples:
Batch GP17033: MC27081-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP17033/GN45502	MC27035-2	mg/l	0.028	0.1	0.14	112.0	75-125%

Associated Samples:
Batch GP17033: MC27081-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: 121613W1.CN Date Analyzed: 12/16/13 Methods: SW846 9012
Analyst: MA Run ID: GN45502
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:31	GN45502-STD1	1		STDA0.50
15:32	GN45502-STD2	1		STDB0.30
15:33	GN45502-STD3	1		STDC0.20
15:34	GN45502-STD4	1		STDD0.10
15:35	GN45502-STD5	1		STDE0.030
15:36	GN45502-STD6	1		STDF0.010
15:37	GN45502-STD7	1		STDG0.00
15:40	GN45502-ICV1	1		
15:41	GN45502-ICB1	1		
15:42	GN45502-CCV1	1		
15:43	GN45502-CCB1	1		
15:44	GP17033-MB1	1		
15:45	GP17033-B1	1		
15:46	GP17033-B2	1		
15:47	GP17033-B3	1		
15:48	GP17033-S1	1		
15:49	GP17033-D1	1		
15:50	MC27035-2	1		(sample used for QC only; not part of login MC27081)
15:52	ZZZZZZ	1		
15:53	ZZZZZZ	1		
15:54	ZZZZZZ	1		
15:55	GN45502-CCV2	1		
15:56	GN45502-CCB2	1		
15:57	ZZZZZZ	1		
15:58	ZZZZZZ	1		
15:59	ZZZZZZ	1		
16:00	ZZZZZZ	1		
16:01	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:03	MC27081-1	1		
16:04	ZZZZZZ	1		
16:05	ZZZZZZ	1		
16:08	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: 121613W1.CN Date Analyzed: 12/16/13 Methods: SW846 9012
Analyst: MA Run ID: GN45502
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:09	GN45502-CCV3	1		
16:10	GN45502-CCB3	1		
16:11	ZZZZZZ	1		
16:12	GN45502-CCV4	1		
16:13	GN45502-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: MC27081
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: 121613W1.CN Date Analyzed: 12/16/13 Methods: SW846 9012
Run ID: GN45502 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN45502-ICV1	Cyanide	0.20	0.010	0.0023	.2	100.0	90-110
GN45502-ICB1	Cyanide	0.0023 U	0.010	0.0023			
GN45502-CCV1	Cyanide	0.29	0.010	0.0023	.3	96.7	90-110
GN45502-CCB1	Cyanide	0.0023 U	0.010	0.0023			
GN45502-CCV2	Cyanide	0.32	0.010	0.0023	.3	106.7	90-110
GN45502-CCB2	Cyanide	0.0023 U	0.010	0.0023			
GN45502-CCV3	Cyanide	0.32	0.010	0.0023	.3	106.7	90-110
GN45502-CCB3	Cyanide	0.0023 U	0.010	0.0023			
GN45502-CCV4	Cyanide	0.32	0.010	0.0023	.3	106.7	90-110
GN45502-CCB4	Cyanide	0.0023 U	0.010	0.0023			

(!) Outside of QC limits

New England ACCUTEST LABORATORIES

General Chemistry

Raw Data

ACCUTEST LABORATORIES

MC27081

ACCUTEST

Protected Worksheet MGN117-02

(Format edits must be done by Dept. manager)

Analyst	MEHDIA	**Test/Analysis**	CN SW846 9012
Date	12/16/13	**Analysis Batch ID**	GN45502
Instrument ID	LACHAT	**Prep Batch ID**	GP17033
File ID	121613W1.CN		

Reagents

Calib STD	GNSTD-	32224-CN	**Buffer**	GNSTD-	38629-CN
ICV	GNSTD-	32223-CN-2	**Carrier**	GNSTD-	38316-CN
CCV	GNSTD-	32224-CN-2	**Chloramine-T**	GNSTD-	38781-CN
			Pyridine Barb. Acid	GNSTD-	38596-CN

Standardization

Reagent/Stock Std:	NA ◉	Cyanide ○	
-	-	-	-
-			

Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH

COMMENTS

Cyanide stock standardization was performed on 12/11/13 (GN45442).

QC Review **Date:** 12/16/13

QC Reports: GN45502

Raw Data GN45502: Cyanide page 1 of 4

ACCUTEST

Distillation

Protected Worksheet MGN127-01

(Format edits must be done by Dept. manager)

Analyst:	MEHDIA	Date	12/16/13	Batch ID	GP17033	Matrix	Aqueous
QC Sample	MC27035-2	Balance ID	N/A	pH Meter ID	N/A	Block ID	MICRO

Analysis Type

CN EPA 335.4 ○	CN SW846 9010B ◉	CN-A SM21 4500CN-G/335.4 ○	CN-A SW846 9010 ○
PAC MADEP ○	CREAC Chap 7 ○	SREAC Chap7 ○	CNWAD SM20 4500CN-I ○

Sample ID	Bot #	ID	Interfere Chk CL	Interfere Chk S	Init. pH	SMPL Amt ML	DIST Vol ML	Start Time	End Time	Comments/Spike
GP17033-MB1		N/A	ND	ND	>12	6	6	10:13	10:43	
GP17033-B1		N/A	ND	ND	>12	6	6	10:13	10:43	0.10 ML OF SPIKE
GP17033-S1	7	N/A	ND	ND	>12	6	6	10:13	10:43	0.10 ML OF SPIKE
GP17033-D1		N/A	ND	ND	>12	6	6	10:13	10:43	
MC27035-1	3	N/A	ND	ND	>12	6	6	10:13	10:43	
MC27035-2	7	N/A	ND	ND	>12	6	6	10:13	10:43	
MC27036-1	5	N/A	ND	ND	>12	6	6	10:13	10:43	
MC27036-2	5	N/A	ND	ND	>12	6	6	10:13	10:43	
MC27036-3	5	N/A	ND	ND	>12	6	6	10:13	10:43	
MC27036-4	5	N/A	ND	ND	>12	6	6	10:13	10:43	
MC27055-2	6	N/A	ND	ND	>12	6	6	10:13	10:43	
MC27077-1	3	N/A	ND	ND	>12	6	6	10:13	10:43	
MC27077-2	3	N/A	ND	ND	>12	6	6	10:49	11:19	
MC27077-3	3	N/A	ND	ND	>12	6	6	10:49	11:19	
MC27081-1	3	N/A	ND	ND	>12	6	6	10:49	11:19	
MC27086-2	5	N/A	ND	ND	>12	6	6	10:49	11:19	
MC27088-15	6	N/A	ND	ND	>12	6	6	10:49	11:19	
MC27088-17	6	N/A	ND	ND	>12	6	6	10:49	11:19	
MC27138-2	6	N/A	ND	ND	>12	6	6	10:49	11:19	
ICV		N/A	ND	ND	>12	6	6	10:49	11:19	0.20 ML OF ICV SPIKE
GP17033-B2		N/A	ND	ND	>12	6	6	10:49	11:19	0.10 ML OF SPIKE
GP17033-B3		N/A	ND	ND	>12	6	6	10:49	11:19	0.20 ML OF SPIKE

12-16-13

Reagent Lot # (Refer to Indivdual SOP for amounts added)

Sulfamic Acid	VENDOR-8715	Spike Solution	GNSTD-32222-CN-2
Conc. H2SO4	VENDOR-14009	ICV Stock Solution	GNSTD-32223-CN-2
NaOH	RGT-38624-CN	0.25N NAOH	RGT-38316-CN
MgCl2.6H2O	RGT 37559-CN	N/A	
Bismuth Nitrate	N/A	N/A	

Comment:

QC Review _____ Date 12/16/13

13.1 13

Author: chemistry

Date : 12/16/2013

Original Run Filename: OM_12-16-2013_03-30-30PM.OMN Created: 12/16/2013 3:30:30 PM
Original Run Author's Signature: [chemistry]
Current Run Filename: OM_12-16-2013_03-30-30PM.OMN Last Modified: 12/16/2013 4:15:05 PM
Current Run Author's Signature: [chemistry]
Description: Default New Run

Sample	Rep.	Channel 1 Cn (mg/L)	MDF
StdA0.50	1	0.500	
StdB0.30	1	0.300	
StdC0.20	1	0.200	
StdD0.10	1	0.100	
StdE0.030	1	0.0300	
StdF0.010	1	0.0100	
StdG0.00	1	0.00	
ICV	1	0.200	
Calibration:		Table/Fig. : 1	
ICB	1	-1.47e-3	
CCV	1	0.293	
CCB	1	4.45e-4	
GP17033-MB1	1	1.45e-3	
GP17033-B1	1	0.106	
GP17033-B2	1	0.108	
GP17033-B3	1	0.209	
GP17033-S1	1	0.144	
GP17033-D1	1	0.0283	
MC27035-~~12~~	1	0.0282	
MC27035-~~21~~	1	5.24e-3	
MC27036-1	1	5.91e-3	
MC27036-2	1	4.91e-3	
CCV	1	0.320	
CCB	1	3.49e-4	
MC27036-3	1	8.89e-3	
MC27036-4	1	8.85e-3	
MC27055-2	1	3.85e-3	
MC27077-1	1	8.95e-3	
MC27077-2	1	0.170	
MC27077-3	1	0.109	
MC27081-1	1	0.352	
MC27086-2	1	5.08e-3	
MC27088-15	1	6.28e-3	
MC27088-17	1	4.31e-3	
CCV	1	0.315	
CCB	1	3.94e-4	
MC27138-2	1	5.37e-3	
CCV	1	0.317	
CCB	1	-2.18e-5	

Typos. Typos. 12-16-13

Table : 1 (Cn)

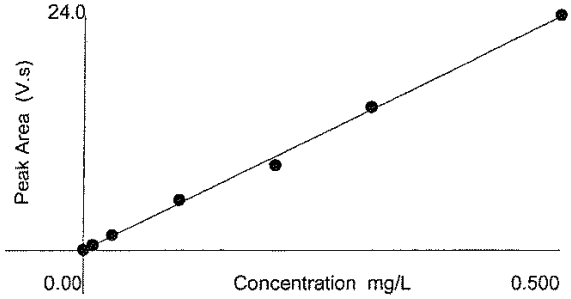
	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	24.0	1.40	0.0	-0.5	0.502	12/16/2013	3:31:27 PM
2	0.300	1	14.6	0.846	0.0	-1.8	0.305	12/16/2013	3:32:31 PM
3	0.200	1	8.70	0.548	0.0	9.3	0.181	12/16/2013	3:33:36 PM
4	0.100	1	5.13	0.296	0.0	-6.6	0.107	12/16/2013	3:34:41 PM
5	0.0300	1	1.59	0.0922	0.0	-7.8	0.0327	12/16/2013	3:35:45 PM
6	0.0100	1	0.560	0.0331	0.0	-7.7	0.0112	12/16/2013	3:36:50 PM
7	0.00	1	0.0680	4.56e-3			8.66e-4	12/16/2013	3:37:54 PM

12,16,13

Author: chemistry

Date : 12/16/2013

Figure : 1 (Cn)



Area = 47.7 * Conc + 0.0430
Conc = 0.0209 * Area - 5.55e-4
Correlation Coefficient (r) = 0.99894

Weighting : None

12/16/13

New England ACCUTEST LABORATORIES

01/15/14

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC27146

Sampling Dates: 12/12/13 - 12/13/13

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **379**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC27146

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
MC27146-1	12/12/13	15:00	MF	12/14/13	AQ	Ground Water	LBA-GW-MW41(SRX)
MC27146-2	12/13/13	10:30	MF	12/14/13	SO	Soil	LBA-SB-521(1-1.5)
MC27146-3	12/13/13	10:35	MF	12/14/13	SO	Soil	LBA-SB-522(0-0.9)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environmental & Energy **Job No** MC27146

Site: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, **Report Date** 1/14/2014 8:54:05 AM

3 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on between 12/12/2013 and 12/13/2013 and were received at Accutest on 12/14/2013 properly preserved, at 0.2 Deg. C and intact. These Samples received an Accutest job number of MC27146. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix: AQ **Batch ID:** MSN3110

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC26968-22MS, MC26968-22MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** MSM2180

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27183-12MS, MC27183-12MSD were used as the QC samples indicated.
- MC27183-12MS for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Bromomethane, Styrene are outside control limits due to possible matrix interference. Refer to Blank Spike.
- MC27183-12MSD for 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,2,4-Trichlorobenzene, 1,2-Dibromoethane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Hexanone, Bromoform, Bromomethane, Chlorobenzene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Dibromochloromethane, Styrene, trans-1,3-Dichloropropene, 2-Butanone (MEK) are outside control limits due to possible matrix interference. Refer to Blank Spike.
- RPD(s) for MC27183-12MSD for 2-Butanone (MEK) are outside control limits. High RPD due to possible matrix interference and/or sample non-homogeneity.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix: SO **Batch ID:** GN45527

- Sample(s) MC27205-2DUP were used as the QC samples for Solids, Percent.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC27146).

Summary of Hits

Job Number: MC27146
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 12/12/13 thru 12/13/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC27146-1	**LBA-GW-MW41(SRX)**					
cis-1,2-Dichloroethene		7.4	1.0	0.54	ug/l	SW846 8260C
Toluene		4.0	1.0	0.46	ug/l	SW846 8260C
Trichloroethene		11.7	1.0	0.45	ug/l	SW846 8260C
Vinyl chloride		0.92 J	1.0	0.61	ug/l	SW846 8260C
MC27146-2	**LBA-SB-521(1-1.5)**					
Carbon disulfide		2.3 J	6.3	0.19	ug/kg	SW846 8260C
MC27146-3	**LBA-SB-522(0-0.9)**					
Methylene chloride		3.3	2.2	1.7	ug/kg	SW846 8260C
Total TIC, Volatile		107 J			ug/kg	

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@146041 15:44 15-Jan-2014

Report of Analysis

Client Sample ID:	LBA-GW-MW41(SRX)		
Lab Sample ID:	MC27146-1	**Date Sampled:**	12/12/13
Matrix:	AQ - Ground Water	**Date Received:**	12/14/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N83340.D	1	12/17/13	JB	n/a	n/a	MSN3110
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	7.4	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-GW-MW41(SRX)		
Lab Sample ID:	MC27146-1	**Date Sampled:**	12/12/13
Matrix:	AQ - Ground Water	**Date Received:**	12/14/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	4.0	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	11.7	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	0.92	1.0	0.61	ug/l	J
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@146041 15:44 15-Jan-2014

Report of Analysis

Client Sample ID:	LBA-SB-521(1-1.5)		
Lab Sample ID:	MC27146-2	**Date Sampled:**	12/13/13
Matrix:	SO - Soil	**Date Received:**	12/14/13
Method:	SW846 8260C	**Percent Solids:**	91.4
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M62378.D	1	12/21/13	KD	n/a	n/a	MSM2180
Run #2							

	Initial Weight	Final Volume
Run #1	4.34 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	4.9	ug/kg	
71-43-2	Benzene	ND	0.63	0.31	ug/kg	
75-27-4	Bromodichloromethane	ND	2.5	0.46	ug/kg	
75-25-2	Bromoform	ND	2.5	0.37	ug/kg	
74-83-9	Bromomethane	ND	2.5	1.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.3	3.9	ug/kg	
75-15-0	Carbon disulfide	2.3	6.3	0.19	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.5	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	2.5	0.34	ug/kg	
75-00-3	Chloroethane	ND	6.3	0.75	ug/kg	
67-66-3	Chloroform	ND	2.5	0.36	ug/kg	
74-87-3	Chloromethane	ND	6.3	1.5	ug/kg	
110-82-7	Cyclohexane	ND	6.3	0.33	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.3	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	2.5	0.54	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.5	0.71	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.26	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.28	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.26	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.5	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.5	0.42	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.5	0.68	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.5	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.64	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.56	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.5	0.53	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.36	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.37	ug/kg	
100-41-4	Ethylbenzene	ND	2.5	0.22	ug/kg	
76-13-1	Freon 113	ND	6.3	1.2	ug/kg	
591-78-6	2-Hexanone	ND	6.3	3.1	ug/kg	
98-82-8	Isopropylbenzene	ND	6.3	0.35	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-SB-521(1-1.5)		
Lab Sample ID:	MC27146-2	**Date Sampled:**	12/13/13
Matrix:	SO - Soil	**Date Received:**	12/14/13
Method:	SW846 8260C	**Percent Solids:**	91.4
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.3	3.5	ug/kg	
108-87-2	Methylcyclohexane	ND	6.3	0.27	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.5	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.3	2.3	ug/kg	
75-09-2	Methylene chloride	ND	2.5	1.9	ug/kg	
100-42-5	Styrene	ND	6.3	0.26	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.37	ug/kg	
127-18-4	Tetrachloroethene	ND	2.5	0.56	ug/kg	
108-88-3	Toluene	ND	6.3	0.31	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	0.46	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.23	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.5	0.44	ug/kg	
79-01-6	Trichloroethene	ND	2.5	0.60	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.5	1.3	ug/kg	
75-01-4	Vinyl chloride	ND	2.5	0.72	ug/kg	
1330-20-7	Xylene (total)	ND	2.5	0.26	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	115%		70-130%
2037-26-5	Toluene-D8	119%		70-130%
460-00-4	4-Bromofluorobenzene	110%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@146041 15:44 15-Jan-2014

Report of Analysis

Client Sample ID:	LBA-SB-522(0-0.9)		
Lab Sample ID:	MC27146-3	**Date Sampled:**	12/13/13
Matrix:	SO - Soil	**Date Received:**	12/14/13
Method:	SW846 8260C	**Percent Solids:**	95.2
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M62379.D	1	12/21/13	KD	n/a	n/a	MSM2180
Run #2							

	Initial Weight	Final Volume
Run #1	4.69 g	5.0 ml
Run #2		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	4.4	ug/kg	
71-43-2	Benzene	ND	0.56	0.28	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.41	ug/kg	
75-25-2	Bromoform	ND	2.2	0.33	ug/kg	
74-83-9	Bromomethane	ND	2.2	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.6	3.5	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	0.17	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.30	ug/kg	
75-00-3	Chloroethane	ND	5.6	0.67	ug/kg	
67-66-3	Chloroform	ND	2.2	0.32	ug/kg	
74-87-3	Chloromethane	ND	5.6	1.4	ug/kg	
110-82-7	Cyclohexane	ND	5.6	0.30	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.3	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.48	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.2	0.63	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.2	0.23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.2	0.25	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.2	0.23	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.2	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.2	0.37	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.2	0.61	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.2	0.58	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.2	0.57	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.2	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.47	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.32	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.33	ug/kg	
100-41-4	Ethylbenzene	ND	2.2	0.20	ug/kg	
76-13-1	Freon 113	ND	5.6	1.0	ug/kg	
591-78-6	2-Hexanone	ND	5.6	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	5.6	0.31	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-SB-522(0-0.9)		
Lab Sample ID:	MC27146-3	**Date Sampled:**	12/13/13
Matrix:	SO - Soil	**Date Received:**	12/14/13
Method:	SW846 8260C	**Percent Solids:**	95.2
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.6	3.1	ug/kg	
108-87-2	Methylcyclohexane	ND	5.6	0.24	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.2	0.44	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.6	2.1	ug/kg	
75-09-2	Methylene chloride	3.3	2.2	1.7	ug/kg	
100-42-5	Styrene	ND	5.6	0.23	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.33	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	0.50	ug/kg	
108-88-3	Toluene	ND	5.6	0.27	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	0.41	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.20	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.39	ug/kg	
79-01-6	Trichloroethene	ND	2.2	0.53	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.2	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	0.64	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	0.23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		70-130%
2037-26-5	Toluene-D8	118%		70-130%
460-00-4	4-Bromofluorobenzene	112%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
107-01-7	2-Butene	5.05	66	ug/kg	JN
1191-96-4	Cyclopropane, ethyl-	6.35	12	ug/kg	JN
107-83-5	Pentane, 2-methyl-	7.84	5.5	ug/kg	JN
763-29-1	1-Pentene, 2-methyl-	8.29	8.9	ug/kg	JN
110-54-3	Hexane	8.47	8.7	ug/kg	JN
142-82-5	Heptane	10.51	5.9	ug/kg	JN
	Total TIC, Volatile		107	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY RECORD

Page 1 of 1

Project Number:	Site and Location:
4255	EPT Ithaca
Contact Name:	**Contact Email:**
lisa.bryda@wspgroup.com	
Sampler's Name:	**Sampler's Signature:**
M Fleming	Martin G Fleming

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	VOCs 8260 TCL +42									N° / Remarks
															mc27146
LBA-GW-MW41(SRX)	-	12/12/13	1500	Aq	2	2									-1
LBA-SB-521(1-1.5)	1-1.5	12/13/13	1030	S	1	HOLD									-2
LBA-SB-522(0-0.9)	0-0.9	1	1035	1	1	HOLD									-3
															1H1, 12B
															012°

Relinquished by *(Signature)*: Martin G Fleming	12/13/13 Date | Time	Received by *(Signature)*: Fed Ex	Laboratory Name: Accutest
Relinquished by *(Signature)*: Fed Ex	12/14/13 1027 Date | Time	Received by *(Signature)*:	Laboratory Location: MA
Turn-Around Time:		Tracking Number:	Custody Seal Numbers:
			Method of Shipment: Fed Ex

WSP Environment & Energy

- ☒ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 200 Cottontail Ln., Somerset, NJ 08873 / Tel: 732-564-0888
- ☐ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Woburn Office: 300 Trade Center, Suite 4690, Woburn, MA 01801
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

MC27146: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC27146 **Client:** WSP **Immediate Client Services Action Required:** No

Date / Time Received: 12/14/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: 4255 EPT ITHACA **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control -Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC27146: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC27146

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC27146-1 Collected: 12-DEC-13 15:00 By: MF LBA-GW-MW41(SRX)			Received: 14-DEC-13 By:			
MC27146-1	SW846 8260C	17-DEC-13 13:48	JB			V8260TCL42+
MC27146-2 Collected: 13-DEC-13 10:30 By: MF LBA-SB-521(1-1.5)			Received: 14-DEC-13 By:			
MC27146-2	SM21 2540 B MOD.	18-DEC-13	HS			%SOL
MC27146-2	SW846 8260C	21-DEC-13 01:46	KD			V8260TCL42+
MC27146-3 Collected: 13-DEC-13 10:35 By: MF LBA-SB-522(0-0.9)			Received: 14-DEC-13 By:			
MC27146-3	SM21 2540 B MOD.	18-DEC-13	HS			%SOL
MC27146-3	SW846 8260C	21-DEC-13 02:15	KD			V8260TCL42+

Accutest Internal Chain of Custody

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 12/14/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC27146-1.1	VOC Ref #1	Jaclyn Bergeron	12/17/13 10:07	Retrieve from Storage
MC27146-1.1	Jaclyn Bergeron	GCMSN	12/17/13 10:07	Load on Instrument
MC27146-1.1	GCMSN	Jaclyn Bergeron	12/18/13 09:54	Unload from Instrument
MC27146-1.1	Jaclyn Bergeron	VOC Ref #1	12/18/13 09:55	Return to Storage
MC27146-2.1	Walk In Ref #9	Hamid Siamak	12/18/13 15:44	Retrieve from Storage
MC27146-2.1	Hamid Siamak	Walk In Ref #9	12/18/13 16:16	Return to Storage
MC27146-3.1	Walk In Ref #9	Hamid Siamak	12/18/13 15:44	Retrieve from Storage
MC27146-3.1	Hamid Siamak	Walk In Ref #9	12/18/13 16:16	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN3110-MB	N83322.D	1	12/16/13	JB	n/a	n/a	MSN3110

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27146-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	

Method Blank Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN3110-MB	N83322.D	1	12/16/13	JB	n/a	n/a	MSN3110

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27146-1

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	90%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	105%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN3110-MB1	N83334.D	1	12/17/13	JB	n/a	n/a	MSN3110

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27146-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	

Method Blank Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN3110-MB1	N83334.D	1	12/17/13	JB	n/a	n/a	MSN3110

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27146-1

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	90%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	104%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2180-MB	M62377.D	1	12/21/13	KD	n/a	n/a	MSM2180

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27146-2, MC27146-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.9	ug/kg	
71-43-2	Benzene	ND	0.50	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.36	ug/kg	
75-25-2	Bromoform	ND	2.0	0.29	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.97	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.29	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.2	ug/kg	
110-82-7	Cyclohexane	ND	5.0	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.57	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.52	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.0	0.92	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.28	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.8	ug/kg	
108-87-2	Methylcyclohexane	ND	5.0	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.8	ug/kg	

Method Blank Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2180-MB	M62377.D	1	12/21/13	KD	n/a	n/a	MSM2180

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27146-2, MC27146-3

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	1.5	ug/kg	
100-42-5	Styrene	ND	5.0	0.21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.44	ug/kg	
108-88-3	Toluene	ND	5.0	0.24	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.35	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.47	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.20	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	112%	70-130%
2037-26-5	Toluene-D8	119%	70-130%
460-00-4	4-Bromofluorobenzene	111%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN3110-BS1	N83331.D	1	12/17/13	JB	n/a	n/a	MSN3110

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27146-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	38.6	77	70-130
71-43-2	Benzene	50	43.7	87	70-130
75-27-4	Bromodichloromethane	50	45.4	91	70-130
75-25-2	Bromoform	50	48.2	96	70-130
74-83-9	Bromomethane	50	59.8	120	70-130
78-93-3	2-Butanone (MEK)	50	42.5	85	70-130
75-15-0	Carbon disulfide	50	37.2	74	70-130
56-23-5	Carbon tetrachloride	50	49.0	98	70-130
108-90-7	Chlorobenzene	50	45.0	90	70-130
75-00-3	Chloroethane	50	52.1	104	70-130
67-66-3	Chloroform	50	41.4	83	70-130
74-87-3	Chloromethane	50	50.2	100	70-130
110-82-7	Cyclohexane	50	44.9	90	71-145
96-12-8	1,2-Dibromo-3-chloropropane	50	47.7	95	70-130
124-48-1	Dibromochloromethane	50	48.3	97	70-130
106-93-4	1,2-Dibromoethane	50	46.1	92	70-130
95-50-1	1,2-Dichlorobenzene	50	46.4	93	70-130
541-73-1	1,3-Dichlorobenzene	50	47.9	96	70-130
106-46-7	1,4-Dichlorobenzene	50	49.5	99	70-130
75-71-8	Dichlorodifluoromethane	50	42.3	85	70-130
75-34-3	1,1-Dichloroethane	50	42.5	85	70-130
107-06-2	1,2-Dichloroethane	50	42.0	84	70-130
75-35-4	1,1-Dichloroethene	50	45.3	91	70-130
156-59-2	cis-1,2-Dichloroethene	50	40.6	81	70-130
156-60-5	trans-1,2-Dichloroethene	50	40.4	81	70-130
78-87-5	1,2-Dichloropropane	50	47.6	95	70-130
10061-01-5	cis-1,3-Dichloropropene	50	47.3	95	70-130
10061-02-6	trans-1,3-Dichloropropene	50	49.3	99	70-130
100-41-4	Ethylbenzene	50	48.0	96	70-130
76-13-1	Freon 113	50	41.3	83	70-130
591-78-6	2-Hexanone	50	49.5	99	70-130
98-82-8	Isopropylbenzene	50	49.2	98	70-130
79-20-9	Methyl Acetate	50	34.9	70	40-137
108-87-2	Methylcyclohexane	50	47.3	95	74-143
1634-04-4	Methyl Tert Butyl Ether	50	37.7	75	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	47.2	94	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN3110-BS1	N83331.D	1	12/17/13	JB	n/a	n/a	MSN3110

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27146-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
75-09-2	Methylene chloride	50	40.2	80	70-130
100-42-5	Styrene	50	49.9	100	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	47.8	96	70-130
127-18-4	Tetrachloroethene	50	47.1	94	70-130
108-88-3	Toluene	50	48.0	96	70-130
120-82-1	1,2,4-Trichlorobenzene	50	56.1	112	70-130
71-55-6	1,1,1-Trichloroethane	50	45.9	92	70-130
79-00-5	1,1,2-Trichloroethane	50	47.0	94	70-130
79-01-6	Trichloroethene	50	45.2	90	70-130
75-69-4	Trichlorofluoromethane	50	42.2	84	70-130
75-01-4	Vinyl chloride	50	39.7	79	70-130
1330-20-7	Xylene (total)	150	139	93	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	90%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2180-BS	M62374.D	1	12/20/13	KD	n/a	n/a	MSM2180

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27146-2, MC27146-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	64.7	129	70-130
71-43-2	Benzene	50	49.1	98	70-130
75-27-4	Bromodichloromethane	50	53.9	108	70-130
75-25-2	Bromoform	50	47.5	95	70-130
74-83-9	Bromomethane	50	40.0	80	70-130
78-93-3	2-Butanone (MEK)	50	50.5	101	70-130
75-15-0	Carbon disulfide	50	53.3	107	70-130
56-23-5	Carbon tetrachloride	50	55.4	111	70-130
108-90-7	Chlorobenzene	50	47.2	94	70-130
75-00-3	Chloroethane	50	47.9	96	70-130
67-66-3	Chloroform	50	52.8	106	70-130
74-87-3	Chloromethane	50	41.9	84	70-130
110-82-7	Cyclohexane	50	50.1	100	70-130
96-12-8	1,2-Dibromo-3-chloropropane	50	47.1	94	70-130
124-48-1	Dibromochloromethane	50	50.3	101	70-130
106-93-4	1,2-Dibromoethane	50	46.2	92	70-130
95-50-1	1,2-Dichlorobenzene	50	48.8	98	70-130
541-73-1	1,3-Dichlorobenzene	50	48.7	97	70-130
106-46-7	1,4-Dichlorobenzene	50	50.5	101	70-130
75-71-8	Dichlorodifluoromethane	50	56.2	112	70-130
75-34-3	1,1-Dichloroethane	50	53.9	108	70-130
107-06-2	1,2-Dichloroethane	50	51.7	103	70-130
75-35-4	1,1-Dichloroethene	50	63.9	128	70-130
156-59-2	cis-1,2-Dichloroethene	50	51.3	103	70-130
156-60-5	trans-1,2-Dichloroethene	50	63.9	128	70-130
78-87-5	1,2-Dichloropropane	50	49.8	100	70-130
10061-01-5	cis-1,3-Dichloropropene	50	49.8	100	70-130
10061-02-6	trans-1,3-Dichloropropene	50	54.3	109	70-130
100-41-4	Ethylbenzene	50	50.6	101	70-130
76-13-1	Freon 113	50	64.1	128	70-130
591-78-6	2-Hexanone	50	45.4	91	70-130
98-82-8	Isopropylbenzene	50	50.6	101	70-130
79-20-9	Methyl Acetate	50	41.6	83	33-141
108-87-2	Methylcyclohexane	50	54.4	109	78-140
1634-04-4	Methyl Tert Butyl Ether	50	49.0	98	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	48.0	96	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM2180-BS	M62374.D	1	12/20/13	KD	n/a	n/a	MSM2180

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27146-2, MC27146-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
75-09-2	Methylene chloride	50	52.9	106	70-130
100-42-5	Styrene	50	51.3	103	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	47.4	95	70-130
127-18-4	Tetrachloroethene	50	48.6	97	70-130
108-88-3	Toluene	50	53.6	107	70-130
120-82-1	1,2,4-Trichlorobenzene	50	48.0	96	70-130
71-55-6	1,1,1-Trichloroethane	50	52.4	105	70-130
79-00-5	1,1,2-Trichloroethane	50	47.3	95	70-130
79-01-6	Trichloroethene	50	47.9	96	70-130
75-69-4	Trichlorofluoromethane	50	47.9	96	70-130
75-01-4	Vinyl chloride	50	43.0	86	70-130
1330-20-7	Xylene (total)	150	147	98	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	111%	70-130%
2037-26-5	Toluene-D8	120%	70-130%
460-00-4	4-Bromofluorobenzene	111%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC26968-22MS	N83350.D	5	12/17/13	JB	n/a	n/a	MSN3110
MC26968-22MSD	N83351.D	5	12/17/13	JB	n/a	n/a	MSN3110
MC26968-22	N83335.D	1	12/17/13	JB	n/a	n/a	MSN3110

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27146-1

CAS No.	Compound	MC26968-22 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		250	249	100	206	82	19	70-130/30
71-43-2	Benzene	ND		250	241	96	237	95	2	70-130/30
75-27-4	Bromodichloromethane	ND		250	250	100	245	98	2	70-130/30
75-25-2	Bromoform	ND		250	268	107	256	102	5	70-130/30
74-83-9	Bromomethane	ND		250	254	102	306	122	19	70-130/30
78-93-3	2-Butanone (MEK)	ND		250	254	102	221	88	14	70-130/30
75-15-0	Carbon disulfide	ND		250	212	85	211	84	0	70-130/30
56-23-5	Carbon tetrachloride	ND		250	275	110	274	110	0	70-130/30
108-90-7	Chlorobenzene	ND		250	238	95	240	96	1	70-130/30
75-00-3	Chloroethane	ND		250	299	120	299	120	0	70-130/30
67-66-3	Chloroform	ND		250	231	92	230	92	0	70-130/30
74-87-3	Chloromethane	ND		250	274	110	291	116	6	70-130/30
110-82-7	Cyclohexane	ND		250	242	97	243	97	0	60-160/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		250	283	113	249	100	13	70-130/30
124-48-1	Dibromochloromethane	ND		250	256	102	254	102	1	70-130/30
106-93-4	1,2-Dibromoethane	ND		250	257	103	245	98	5	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		250	248	99	246	98	1	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		250	250	100	250	100	0	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		250	258	103	259	104	0	70-130/30
75-71-8	Dichlorodifluoromethane	ND		250	235	94	236	94	0	70-130/30
75-34-3	1,1-Dichloroethane	ND		250	233	93	234	94	0	70-130/30
107-06-2	1,2-Dichloroethane	ND		250	233	93	229	92	2	70-130/30
75-35-4	1,1-Dichloroethene	ND		250	264	106	264	106	0	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		250	229	92	228	91	0	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		250	230	92	227	91	1	70-130/30
78-87-5	1,2-Dichloropropane	ND		250	254	102	256	102	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		250	235	94	234	94	0	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		250	250	100	239	96	4	70-130/30
100-41-4	Ethylbenzene	ND		250	253	101	254	102	0	70-130/30
76-13-1	Freon 113	ND		250	229	92	226	90	1	70-130/30
591-78-6	2-Hexanone	ND		250	300	120	257	103	15	70-130/30
98-82-8	Isopropylbenzene	ND		250	258	103	261	104	1	70-130/30
79-20-9	Methyl Acetate	ND		250	192	77	173	69	10	34-145/30
108-87-2	Methylcyclohexane	ND		250	248	99	250	100	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	ND		250	231	92	215	86	7	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	293	117	253	101	15	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC26968-22MS	N83350.D	5	12/17/13	JB	n/a	n/a	MSN3110
MC26968-22MSD	N83351.D	5	12/17/13	JB	n/a	n/a	MSN3110
MC26968-22	N83335.D	1	12/17/13	JB	n/a	n/a	MSN3110

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27146-1

CAS No.	Compound	MC26968-22 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	ND		250	226	90	224	90	1	70-130/30
100-42-5	Styrene	ND		250	267	107	265	106	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	266	106	246	98	8	70-130/30
127-18-4	Tetrachloroethene	ND		250	240	96	241	96	0	70-130/30
108-88-3	Toluene	ND		250	256	102	256	102	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		250	296	118	292	117	1	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		250	257	103	259	104	1	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		250	256	102	247	99	4	70-130/30
79-01-6	Trichloroethene	ND		250	251	100	252	101	0	70-130/30
75-69-4	Trichlorofluoromethane	ND		250	239	96	242	97	1	70-130/30
75-01-4	Vinyl chloride	ND		250	226	90	224	90	1	70-130/30
1330-20-7	Xylene (total)	ND		750	731	97	732	98	0	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC26968-22	Limits
1868-53-7	Dibromofluoromethane	91%	90%	96%	70-130%
2037-26-5	Toluene-D8	100%	99%	99%	70-130%
460-00-4	4-Bromofluorobenzene	96%	95%	102%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC27183-12MS	M62392.D	1	12/21/13	KD	n/a	n/a	MSM2180
MC27183-12MSD	M62393.D	1	12/21/13	KD	n/a	n/a	MSM2180
MC27183-12	M62391.D	1	12/21/13	KD	n/a	n/a	MSM2180

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27146-2, MC27146-3

CAS No.	Compound	MC27183-12 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		57.8	57.1	99	65.1	113	13	70-130/30
71-43-2	Benzene	3.5		57.8	48.3	78	44.0	70	9	70-130/30
75-27-4	Bromodichloromethane	ND		57.8	48.2	83	44.1	76	9	70-130/30
75-25-2	Bromoform	ND		57.8	43.0	74	37.6	65* [a]	13	70-130/30
74-83-9	Bromomethane	ND		57.8	38.0	66* [a]	37.8	65* [a]	1	70-130/30
78-93-3	2-Butanone (MEK)	ND		57.8	52.8	91	35.9	62* [a]	38* [b]	70-130/30
75-15-0	Carbon disulfide	ND		57.8	52.0	90	48.1	83	8	70-130/30
56-23-5	Carbon tetrachloride	ND		57.8	59.0	102	53.1	92	11	70-130/30
108-90-7	Chlorobenzene	ND		57.8	41.3	71	37.0	64* [a]	11	70-130/30
75-00-3	Chloroethane	ND		57.8	46.4	80	47.7	83	3	70-130/30
67-66-3	Chloroform	ND		57.8	48.0	83	42.9	74	11	70-130/30
74-87-3	Chloromethane	ND		57.8	40.3	70	41.9	73	4	70-130/30
110-82-7	Cyclohexane	5.6		57.8	53.6	83	50.1	77	7	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		57.8	50.5	87	41.0	71	21	70-130/30
124-48-1	Dibromochloromethane	ND		57.8	43.9	76	39.6	69* [a]	10	70-130/30
106-93-4	1,2-Dibromoethane	ND		57.8	41.9	73	36.3	63* [a]	14	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		57.8	36.0	62* [a]	30.9	54* [a]	15	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		57.8	37.6	65* [a]	32.8	57* [a]	14	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		57.8	37.8	65* [a]	32.0	55* [a]	17	70-130/30
75-71-8	Dichlorodifluoromethane	ND		57.8	47.7	83	53.9	93	12	70-130/30
75-34-3	1,1-Dichloroethane	ND		57.8	49.4	85	44.6	77	10	70-130/30
107-06-2	1,2-Dichloroethane	ND		57.8	49.4	85	44.0	76	12	70-130/30
75-35-4	1,1-Dichloroethene	ND		57.8	63.5	110	60.3	104	5	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		57.8	45.6	79	39.8	69* [a]	14	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		57.8	58.9	102	55.3	96	6	70-130/30
78-87-5	1,2-Dichloropropane	ND		57.8	43.7	76	40.5	70	8	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		57.8	42.4	73	37.3	65* [a]	13	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		57.8	44.4	77	39.3	68* [a]	12	70-130/30
100-41-4	Ethylbenzene	0.73		57.8	48.3	82	43.2	74	11	70-130/30
76-13-1	Freon 113	ND		57.8	64.7	112	59.6	103	8	70-130/30
591-78-6	2-Hexanone	ND		57.8	42.4	73	36.2	63* [a]	16	70-130/30
98-82-8	Isopropylbenzene	ND		57.8	47.4	82	42.5	74	11	70-130/30
79-20-9	Methyl Acetate	ND		57.8	36.4	63	39.8	69	9	30-160/30
108-87-2	Methylcyclohexane	9.1		57.8	63.4	94	58.5	86	8	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		57.8	44.7	77	40.7	70	9	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		57.8	53.2	92	50.3	87	6	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC27183-12MS	M62392.D	1	12/21/13	KD	n/a	n/a	MSM2180
MC27183-12MSD	M62393.D	1	12/21/13	KD	n/a	n/a	MSM2180
MC27183-12	M62391.D	1	12/21/13	KD	n/a	n/a	MSM2180

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27146-2, MC27146-3

CAS No.	Compound	MC27183-12 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	ND		57.8	44.3	77	40.5	70	9	70-130/30
100-42-5	Styrene	ND		57.8	38.4	66* [a]	34.0	59* [a]	12	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		57.8	43.3	75	37.3	65* [a]	15	70-130/30
127-18-4	Tetrachloroethene	ND		57.8	49.1	85	44.8	78	9	70-130/30
108-88-3	Toluene	5.3		57.8	55.3	87	50.6	78	9	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		57.8	28.9	50* [a]	23.3	40* [a]	21	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		57.8	52.0	90	48.1	83	8	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		57.8	42.9	74	38.5	67* [a]	11	70-130/30
79-01-6	Trichloroethene	ND		57.8	46.7	81	42.8	74	9	70-130/30
75-69-4	Trichlorofluoromethane	ND		57.8	51.9	90	52.1	90	0	70-130/30
75-01-4	Vinyl chloride	ND		57.8	44.0	76	45.3	78	3	70-130/30
1330-20-7	Xylene (total)	5.4		173	140	78	126	70	11	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC27183-12	Limits
1868-53-7	Dibromofluoromethane	116%	112%	115%	70-130%
2037-26-5	Toluene-D8	121%	120%	120%	70-130%
460-00-4	4-Bromofluorobenzene	110%	109%	110%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(b) High RPD due to possible matrix interference and/or sample non-homogeneity.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSM2178-BFB
Lab File ID: M62329.D
Instrument ID: GCMSM
Injection Date: 12/19/13
Injection Time: 16:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	27640	19.3		Pass
75	30.0 - 60.0% of mass 95	64224	44.8		Pass
95	Base peak, 100% relative abundance	143328	100.0		Pass
96	5.0 - 9.0% of mass 95	9141	6.38		Pass
173	Less than 2.0% of mass 174	1570	1.10	(1.08) [a]	Pass
174	50.0 - 150.0% of mass 95	145807	101.7		Pass
175	5.0 - 9.0% of mass 174	11535	8.05	(7.91) [a]	Pass
176	95.0 - 101.0% of mass 174	139734	97.5	(95.8) [a]	Pass
177	5.0 - 9.0% of mass 176	8875	6.19	(6.35) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM2178-IC2178	M62330.D	12/19/13	17:27	00:29	Initial cal 0.5
MSM2178-IC2178	M62331.D	12/19/13	17:56	00:58	Initial cal 2
MSM2178-IC2178	M62332.D	12/19/13	18:25	01:27	Initial cal 5
MSM2178-IC2178	M62333.D	12/19/13	18:54	01:56	Initial cal 10
MSM2178-IC2178	M62334.D	12/19/13	19:24	02:26	Initial cal 20
MSM2178-ICC2178	M62335.D	12/19/13	19:53	02:55	Initial cal 50
MSM2178-IC2178	M62336.D	12/19/13	20:22	03:24	Initial cal 100
MSM2178-IC2178	M62337.D	12/19/13	20:51	03:53	Initial cal 200
MSM2178-IC2178	M62338.D	12/19/13	21:21	04:23	Initial cal 400
MSM2178-ICV2178	M62341.D	12/19/13	22:49	05:51	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSM2180-BFB
Lab File ID: M62373.D
Instrument ID: GCMSM
Injection Date: 12/20/13
Injection Time: 23:19

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	17330	18.2		Pass
75	30.0 - 60.0% of mass 95	45290	47.5		Pass
95	Base peak, 100% relative abundance	95355	100.0		Pass
96	5.0 - 9.0% of mass 95	5958	6.25		Pass
173	Less than 2.0% of mass 174	1159	1.22	(1.19) [a]	Pass
174	50.0 - 150.0% of mass 95	97183	101.9		Pass
175	5.0 - 9.0% of mass 174	7850	8.23	(8.08) [a]	Pass
176	95.0 - 101.0% of mass 174	96785	101.5	(99.6) [a]	Pass
177	5.0 - 9.0% of mass 176	5948	6.24	(6.15) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM2180-CC2178	M62373.D	12/20/13	23:19	00:00	Continuing cal 50
MSM2180-BS	M62374.D	12/20/13	23:48	00:29	Blank Spike
MSM2180-MB	M62377.D	12/21/13	01:16	01:57	Method Blank
MC27146-2	M62378.D	12/21/13	01:46	02:27	LBA-SB-521(1-1.5)
MC27146-3	M62379.D	12/21/13	02:15	02:56	LBA-SB-522(0-0.9)
ZZZZZZ	M62380.D	12/21/13	02:45	03:26	(unrelated sample)
ZZZZZZ	M62381.D	12/21/13	03:14	03:55	(unrelated sample)
ZZZZZZ	M62382.D	12/21/13	03:44	04:25	(unrelated sample)
ZZZZZZ	M62383.D	12/21/13	04:13	04:54	(unrelated sample)
ZZZZZZ	M62384.D	12/21/13	04:43	05:24	(unrelated sample)
ZZZZZZ	M62385.D	12/21/13	05:12	05:53	(unrelated sample)
ZZZZZZ	M62386.D	12/21/13	05:41	06:22	(unrelated sample)
ZZZZZZ	M62387.D	12/21/13	06:11	06:52	(unrelated sample)
ZZZZZZ	M62388.D	12/21/13	06:40	07:21	(unrelated sample)
ZZZZZZ	M62389.D	12/21/13	07:09	07:50	(unrelated sample)
ZZZZZZ	M62390.D	12/21/13	07:39	08:20	(unrelated sample)
MC27183-12	M62391.D	12/21/13	08:09	08:50	(used for QC only; not part of job MC27146)
MC27183-12MS	M62392.D	12/21/13	08:39	09:20	Matrix Spike
MC27183-12MSD	M62393.D	12/21/13	09:08	09:49	Matrix Spike Duplicate
ZZZZZZ	M62394.D	12/21/13	09:38	10:19	(unrelated sample)
ZZZZZZ	M62395.D	12/21/13	10:08	10:49	(unrelated sample)
ZZZZZZ	M62396.D	12/21/13	10:37	11:18	(unrelated sample)
ZZZZZZ	M62397.D	12/21/13	11:07	11:48	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSN3086-BFB
Lab File ID: N82687.D
Instrument ID: GCMSN
Injection Date: 11/25/13
Injection Time: 11:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11360	21.6		Pass
75	30.0 - 60.0% of mass 95	27176	51.7		Pass
95	Base peak, 100% relative abundance	52520	100.0		Pass
96	5.0 - 9.0% of mass 95	3408	6.49		Pass
173	Less than 2.0% of mass 174	432	0.82	(0.91) [a]	Pass
174	50.0 - 150.0% of mass 95	47480	90.4		Pass
175	5.0 - 9.0% of mass 174	3196	6.09	(6.73) [a]	Pass
176	95.0 - 101.0% of mass 174	46936	89.4	(98.9) [a]	Pass
177	5.0 - 9.0% of mass 176	2804	5.34	(5.97) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSN3086-IC3086	N82689.D	11/25/13	12:33	00:56	Initial cal 0.5
ZZZZZZ	N82689B.D	11/25/13	12:33	00:56	(unrelated sample)
ZZZZZZ	N82690A.D	11/25/13	13:01	01:24	(unrelated sample)
MSN3086-IC3086	N82690.D	11/25/13	13:01	01:24	Initial cal 1
ZZZZZZ	N82691A.D	11/25/13	13:28	01:51	(unrelated sample)
MSN3086-IC3086	N82691.D	11/25/13	13:28	01:51	Initial cal 2
ZZZZZZ	N82692A.D	11/25/13	13:56	02:19	(unrelated sample)
MSN3086-IC3086	N82692.D	11/25/13	13:56	02:19	Initial cal 5
ZZZZZZ	N82693A.D	11/25/13	14:24	02:47	(unrelated sample)
MSN3086-IC3086	N82693.D	11/25/13	14:24	02:47	Initial cal 10
MSN3086-IC3086	N82694.D	11/25/13	14:51	03:14	Initial cal 25
ZZZZZZ	N82694A.D	11/25/13	14:51	03:14	(unrelated sample)
MSN3086-ICC3086	N82695.D	11/25/13	15:19	03:42	Initial cal 50
MSN3086-IC3086	N82696.D	11/25/13	15:47	04:10	Initial cal 100
MSN3086-IC3086	N82697.D	11/25/13	16:15	04:38	Initial cal 200
MSN3086-IC3086	N82698.D	11/25/13	16:43	05:06	Initial cal 400
MSN3086-ICV3086	N82701.D	11/25/13	18:06	06:29	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSN3110-BFB
Lab File ID: N83319.D
Instrument ID: GCMSN
Injection Date: 12/16/13
Injection Time: 21:06

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	13606	19.3		Pass
75	30.0 - 60.0% of mass 95	32088	45.4		Pass
95	Base peak, 100% relative abundance	70664	100.0		Pass
96	5.0 - 9.0% of mass 95	5019	7.10		Pass
173	Less than 2.0% of mass 174	577	0.82	(0.92) [a]	Pass
174	50.0 - 150.0% of mass 95	62432	88.4		Pass
175	5.0 - 9.0% of mass 174	4041	5.72	(6.47) [a]	Pass
176	95.0 - 101.0% of mass 174	59728	84.5	(95.7) [a]	Pass
177	5.0 - 9.0% of mass 176	3487	4.93	(5.84) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSN3110-CC3086	N83319.D	12/16/13	21:06	00:00	Continuing cal 50
MSN3110-BS	N83320.D	12/16/13	21:34	00:28	Blank Spike
MSN3110-MB	N83322.D	12/16/13	22:30	01:24	Method Blank
ZZZZZZ	N83323.D	12/16/13	22:58	01:52	(unrelated sample)
ZZZZZZ	N83324.D	12/16/13	23:26	02:20	(unrelated sample)
ZZZZZZ	N83325.D	12/16/13	23:55	02:49	(unrelated sample)
ZZZZZZ	N83326.D	12/17/13	00:23	03:17	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSN3110-BFB
Lab File ID: N83330.D
Instrument ID: GCMSN
Injection Date: 12/17/13
Injection Time: 09:09

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	10728	18.9		Pass
75	30.0 - 60.0% of mass 95	27184	48.0		Pass
95	Base peak, 100% relative abundance	56616	100.0		Pass
96	5.0 - 9.0% of mass 95	3659	6.46		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	51384	90.8		Pass
175	5.0 - 9.0% of mass 174	3285	5.80	(6.39) [a]	Pass
176	95.0 - 101.0% of mass 174	49472	87.4	(96.3) [a]	Pass
177	5.0 - 9.0% of mass 176	3589	6.34	(7.25) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSN3110-CC3086	N83330.D	12/17/13	09:09	00:00	Continuing cal 50
MSN3110-BS1	N83331.D	12/17/13	09:37	00:28	Blank Spike
MSN3110-MB1	N83334.D	12/17/13	11:00	01:51	Method Blank
MC26968-22	N83335.D	12/17/13	11:27	02:18	(used for QC only; not part of job MC27146)
ZZZZZZ	N83336.D	12/17/13	11:55	02:46	(unrelated sample)
ZZZZZZ	N83337.D	12/17/13	12:23	03:14	(unrelated sample)
ZZZZZZ	N83338.D	12/17/13	12:51	03:42	(unrelated sample)
ZZZZZZ	N83339.D	12/17/13	13:19	04:10	(unrelated sample)
MC27146-1	N83340.D	12/17/13	13:48	04:39	LBA-GW-MW41(SRX)
ZZZZZZ	N83341.D	12/17/13	14:16	05:07	(unrelated sample)
ZZZZZZ	N83342.D	12/17/13	14:44	05:35	(unrelated sample)
ZZZZZZ	N83343.D	12/17/13	15:12	06:03	(unrelated sample)
ZZZZZZ	N83344.D	12/17/13	15:40	06:31	(unrelated sample)
ZZZZZZ	N83345.D	12/17/13	16:08	06:59	(unrelated sample)
ZZZZZZ	N83349.D	12/17/13	18:00	08:51	(unrelated sample)
MC26968-22MS	N83350.D	12/17/13	18:28	09:19	Matrix Spike
MC26968-22MSD	N83351.D	12/17/13	18:55	09:46	Matrix Spike Duplicate

Volatile Internal Standard Area Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	MSM2180-CC2178	**Injection Date:**	12/20/13
Lab File ID:	M62373.D	**Injection Time:**	23:19
Instrument ID:	GCMSM	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	309532	9.35	455983	10.23	208593	13.50	285854	16.06	96350	6.84
Upper Limit [a]	619064	9.85	911966	10.73	417186	14.00	571708	16.56	192700	7.34
Lower Limit [b]	154766	8.85	227992	9.73	104297	13.00	142927	15.56	48175	6.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSM2180-BS	311527	9.35	467604	10.23	212996	13.50	281066	16.06	103732	6.84
MSM2180-MB	296621	9.35	443711	10.23	187741	13.50	259893	16.07	98284	6.84
MC27146-2	305797	9.35	448270	10.23	197349	13.50	273161	16.06	172079	6.84
MC27146-3	293602	9.35	445384	10.23	186396	13.51	253553	16.07	167852	6.84
ZZZZZZ	286110	9.35	430979	10.23	187672	13.50	257808	16.06	172894	6.84
ZZZZZZ	277015	9.35	413270	10.23	175558	13.50	245559	16.06	188822	6.84
ZZZZZZ	278410	9.35	416128	10.23	173914	13.51	237397	16.07	180550	6.84
ZZZZZZ	269339	9.35	399192	10.23	170442	13.51	240330	16.06	177895	6.84
ZZZZZZ	283148	9.35	420555	10.23	186068	13.50	251276	16.06	161683	6.84
ZZZZZZ	260543	9.35	387891	10.23	169310	13.50	236840	16.06	173383	6.84
ZZZZZZ	254132	9.35	374082	10.23	165998	13.50	227261	16.06	153546	6.84
ZZZZZZ	269436	9.35	397406	10.23	176122	13.51	239404	16.06	163467	6.84
ZZZZZZ	268016	9.35	395322	10.23	171395	13.51	238593	16.06	171314	6.83
ZZZZZZ	252448	9.35	369516	10.23	161236	13.51	225270	16.07	154430	6.85
ZZZZZZ	276578	9.35	399954	10.23	176574	13.51	244252	16.07	172444	6.84
MC27183-12	264364	9.35	390045	10.23	169808	13.50	237356	16.06	172746	6.84
MC27183-12MS	276000	9.35	402889	10.23	188199	13.51	255659	16.06	168473	6.84
MC27183-12MSD	285214	9.35	417269	10.23	194331	13.51	267318	16.06	164614	6.83
ZZZZZZ	285860	9.35	410416	10.23	176378	13.51	241091	16.06	157914	6.83
ZZZZZZ	285112	9.35	416980	10.23	180132	13.51	244766	16.06	138745	6.84
ZZZZZZ	281869	9.35	406670	10.23	164778	13.51	203937	16.06	172882	6.84
ZZZZZZ	277017	9.35	403838	10.23	172163	13.50	236399	16.07	178474	6.83

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	MSN3110-CC3086	**Injection Date:**	12/16/13
Lab File ID:	N83319.D	**Injection Time:**	21:06
Instrument ID:	GCMSN	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	240676	9.21	362592	10.09	190257	13.34	163456	15.89	87304	6.77
Upper Limit [a]	481352	9.71	725184	10.59	380514	13.84	326912	16.39	174608	7.27
Lower Limit [b]	120338	8.71	181296	9.59	95129	12.84	81728	15.39	43652	6.27

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSN3110-BS	226833	9.21	340436	10.08	176529	13.34	152917	15.89	80099	6.76
MSN3110-MB	225139	9.21	336186	10.09	167782	13.34	129461	15.89	88437	6.78
ZZZZZZ	218943	9.21	328105	10.09	165754	13.34	126699	15.89	84743	6.77
ZZZZZZ	219496	9.21	326010	10.08	164803	13.34	126967	15.90	92077	6.78
ZZZZZZ	220725	9.21	330189	10.08	167548	13.34	127744	15.89	89448	6.78
ZZZZZZ	218704	9.21	326869	10.09	167352	13.34	126023	15.89	96934	6.78

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	MSN3110-CC3086	**Injection Date:**	12/17/13
Lab File ID:	N83330.D	**Injection Time:**	09:09
Instrument ID:	GCMSN	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	231064	9.21	345095	10.09	187653	13.34	160110	15.89	84581	6.77
Upper Limit [a]	462128	9.71	690190	10.59	375306	13.84	320220	16.39	169162	7.27
Lower Limit [b]	115532	8.71	172548	9.59	93827	12.84	80055	15.39	42291	6.27

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSN3110-BS1	239072	9.21	352881	10.08	186647	13.34	158207	15.89	95582	6.77
MSN3110-MB1	215621	9.21	318975	10.09	162273	13.34	124652	15.89	100077	6.78
MC26968-22	223669	9.21	347128	10.08	179579	13.34	141261	15.89	173371[c]	6.77
ZZZZZZ	215721	9.21	317460	10.08	162681	13.34	125663	15.89	96601	6.78
ZZZZZZ	212085	9.21	321713	10.09	165055	13.34	134085	15.89	98322	6.77
ZZZZZZ	211749	9.21	310681	10.08	159903	13.34	124007	15.89	72471	6.78
ZZZZZZ	213891	9.21	320393	10.08	162996	13.34	131508	15.89	88620	6.78
MC27146-1	210594	9.21	312425	10.09	157951	13.34	125851	15.90	75034	6.78
ZZZZZZ	228728	9.21	352735	10.08	178710	13.34	149692	15.89	96937	6.77
ZZZZZZ	237108	9.21	361342	10.09	178756	13.34	152376	15.89	96454	6.78
ZZZZZZ	232353	9.21	357488	10.08	180941	13.34	149745	15.89	106584	6.78
ZZZZZZ	235386	9.21	379267	10.09	190095	13.34	159658	15.89	112889	6.77
ZZZZZZ	233196	9.21	346329	10.08	180835	13.34	169294	15.89	105342	6.77
ZZZZZZ	232576	9.21	350051	10.08	175828	13.34	142036	15.89	79925	6.78
MC26968-22MS	237937	9.21	361527	10.09	196396	13.34	168012	15.89	97193	6.77
MC26968-22MSD	246678	9.21	371140	10.08	199167	13.34	168606	15.89	79539	6.77

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits. Target analytes not associated with this internal standard.

Volatile Surrogate Recovery Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8260C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC27146-1	N83340.D	91.0	99.0	101.0
MC26968-22MS	N83350.D	91.0	100.0	96.0
MC26968-22MSD	N83351.D	90.0	99.0	95.0
MSN3110-BS1	N83331.D	90.0	101.0	98.0
MSN3110-MB	N83322.D	90.0	99.0	105.0
MSN3110-MB1	N83334.D	90.0	99.0	104.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Volatile Surrogate Recovery Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8260C **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC27146-2	M62378.D	115.0	119.0	110.0
MC27146-3	M62379.D	113.0	118.0	112.0
MC27183-12MS	M62392.D	116.0	121.0	110.0
MC27183-12MSD	M62393.D	112.0	120.0	109.0
MSM2180-BS	M62374.D	111.0	120.0	111.0
MSM2180-MB	M62377.D	112.0	119.0	111.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC27146 **Sample:** MSM2178-ICC2178
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62335.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report GCMS M

Method : C:\msdchem\1\methods\M131219S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

Calibration Files
.5 =m62330.D 20 =m62334.D 2 =m62331.D 5 =m62332.D
10 =m62333.D 50 =m62335.D 100 =m62336.D 400 =m62338.D
= =

Compound	.5	20	2	5	10	50	100	400	Avg	%RSD
1) I tert butyl alcohol-d9	----------ISTD----------									
2) tertiary butyl alcohol	1.963	2.271	1.703	1.510	2.144	1.980	1.776		1.907	13.77
3) Ethanol	0.087	0.124	0.090	0.089	0.082	0.088	0.082		0.092	15.95
4) I pentafluorobenzene	----------ISTD----------									
5) dichlorodifluoromethane	0.351	0.516	0.483	0.339	0.462	0.411	0.318		0.412	18.91
6) chloromethane	0.545	0.791	0.695	0.676	0.641	0.590	0.527		0.638	14.50
7) vinyl chloride	0.462	0.641	0.400	0.530	0.548	0.497	0.460		0.505	15.33
8) bromomethane	0.437	0.456	0.542	0.470	0.476	0.439	0.408		0.461	9.17
9) chloroethane	0.260		0.282	0.257	0.293	0.268	0.256		0.270	5.54
10) ethyl ether	0.352		0.366	0.361	0.311	0.301	0.312		0.334	8.62
11) acetonitrile	0.145		0.095	0.118	0.119	0.092	0.107		0.113	17.16
12) trichlorofluoromethane	1.019	1.008	1.150	1.136	1.151	1.060	0.921		1.064	8.22
13) freon-113	0.386		0.463	0.416	0.328	0.319	0.322		0.372	15.98
14) acrolein	0.057		0.036	0.060	0.066	0.061	0.060		0.057	18.55
15) 1,1-dichloroethene	0.425	0.622	0.501	0.454	0.344	0.312	0.355		0.430	24.94
---- Linear regression ---- Coefficient = 0.9986										
Response Ratio = 0.00101 + 0.35244 *A										
16) acetone	0.049			0.055	0.051	0.048	0.050		0.050#	5.37
17) Methyl Acetate	0.507		0.342	0.468	0.586	0.612	0.564		0.513	19.30
18) methylene chloride	0.422	0.540	0.494	0.474	0.380	0.356	0.374		0.434	16.07
19) methyl tert butyl ether	1.051	1.190	1.125	1.127	0.990	0.935	0.915		1.048	10.02
20) acrylonitrile	0.172		0.153	0.189	0.191	0.208	0.194		0.184	10.45
21) allyl chloride	0.790		0.893	0.889	0.644	0.597	0.651		0.744	17.58

Initial Calibration Summary

Job Number: MC27146 **Sample:** MSM2178-ICC2178
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62335.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
22)  trans-1,2-dichloroethene
                0.478 0.645 0.542 0.545 0.371 0.351 0.390         0.475   23.04
             ---- Linear regression ----  Coefficient =  0.9988
               Response Ratio = 0.00401 + 0.38731 *A

23)  iodomethane
                1.126 1.208 1.139 1.178 0.884 0.829 0.895         1.037   15.47
24)  carbon disulfide
                1.143 1.274 1.323 1.414 0.959 0.892 1.028         1.148   17.18
25)  propionitrile
                0.065       0.056 0.060 0.071 0.073 0.069         0.066   10.32
26)  vinyl acetate
                0.960 0.848 0.898 0.883 1.030 1.010 1.025         0.951    7.83
27)  chloroprene
                0.916 0.978 0.952 0.924 0.712 0.654 0.718         0.836   16.21
28)  di-isopropyl ether
                1.705 1.917 1.777 1.828 1.528 1.435 1.583         1.682   10.31
29)  methacrylonitrile
                0.283       0.313 0.291 0.311 0.300 0.301         0.300    3.80
30)  2-butanone
                0.063       0.043 0.055 0.054 0.052 0.054         0.053#  12.51
31)  1,1-dichloroethane
                0.870 0.931 0.956 0.951 0.706 0.656 0.705         0.825   15.92
32)  tert-butyl ethyl ether
                1.219 1.271 1.258 1.297 1.117 1.052 1.069         1.183    8.59
33)  isobutyl alcohol
                0.050       0.055 0.053 0.042 0.039 0.037         0.046#  16.69
34)  2,2-dichloropropane
                0.659       0.755 0.719 0.501 0.468 0.478         0.596   21.69
             ---- Linear regression ----  Coefficient =  0.9996
               Response Ratio = 0.03664 + 0.47192 *A

35)  cis-1,2-dichloroethene
                0.542 0.678 0.602 0.585 0.448 0.431 0.460         0.535   17.37
36)  ethyl acetate
                0.393       0.421 0.369 0.302 0.302 0.269         0.343   17.56
37)  bromochloromethane
                0.349 0.394 0.403 0.379 0.306 0.292 0.308         0.347   13.23
38)  chloroform
                1.012 1.105 1.056 1.060 0.815 0.749 0.808         0.944   15.57
39)  dibromofluoromethane (s)
                0.692             0.769 0.317 0.394 0.446         0.524   37.48
             ---- Linear regression ----  Coefficient =  0.9952
               Response Ratio = -0.00629 + 0.44291 *A

40)  Tetrahydrofuran
                0.174       0.172 0.187 0.173 0.157 0.153         0.169    7.49
41)  1,1,1-trichloroethane
                0.979 1.118 1.083 1.051 0.739 0.690               0.943   19.46

42) I   1,4-difluorobenzene   ----------------ISTD---------------------
43)  Cyclohexane
                0.529       0.638 0.591 0.422 0.393 0.437         0.502   19.85
44)  carbon tetrachloride
                0.733 0.815 0.819 0.805 0.585 0.520 0.543         0.689   19.55
45)  1,1-dichloropropene
                0.429       0.458 0.460 0.337 0.306 0.346         0.389   17.34
46)  benzene
              1.576 1.158 1.282 1.280 1.243 0.969 0.885 1.041     1.179   18.47
47)  1,2-dichloroethane
```

Initial Calibration Summary

Job Number: MC27146 **Sample:** MSM2178-ICC2178
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62335.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                0.571 0.603 0.658 0.615 0.534 0.486 0.468          0.562    12.42
48)  tert-amyl methyl ether
                0.612 0.673 0.661 0.633 0.584 0.526 0.528          0.602     9.88
49)  heptane
                0.585       0.645 0.606 0.463 0.412 0.465          0.529    17.86
50)  trichloroethene
          0.588 0.390 0.463 0.446 0.417 0.379 0.376 0.328          0.423    18.69
51)  1,2-dichloropropane
                0.308 0.325 0.340 0.323 0.271 0.249 0.282          0.300    11.05
52)  dibromomethane
                0.229 0.248 0.248 0.248 0.229 0.212 0.210          0.232     7.22
53)  bromodichloromethane
                0.525 0.581 0.557 0.577 0.478 0.438 0.454          0.516    11.47
54)  Methylcyclohexane
                0.515       0.560 0.567 0.412 0.372 0.420          0.474    17.58
55)  2-chloroethyl vinyl ether
                0.099       0.103 0.090 0.097 0.091 0.094          0.096     5.21
56)  methyl methacrylate
                0.170       0.146 0.171 0.193 0.183 0.190          0.176     9.76
57)  1,4-dioxane
                0.003       0.003 0.003 0.004 0.003 0.003          0.003#   10.11
58)  cis-1,3-dichloropropene
                0.501 0.543 0.515 0.517 0.462 0.438 0.480          0.494     7.30
59)  toluene-d8 (s)
                1.404 1.655 1.554 1.487 0.592 0.727 0.896          1.188    36.69
             ---- Linear regression ----  Coefficient =  0.9935
               Response Ratio = -0.01396 + 0.88639 *A

60)  4-methyl-2-pentanone
                0.354 0.338 0.367 0.357 0.389 0.367 0.340          0.359     4.89
61)  toluene
                0.822 0.855 0.848 0.829 0.696 0.635 0.749          0.776    10.96
62)  trans-1,3-dichloropropene
                0.467 0.478 0.472 0.482 0.441 0.424 0.445          0.458     4.80
63)  1,1,2-trichloroethane
                0.222 0.252 0.254 0.225 0.216 0.205 0.213          0.227     8.44
64)  ethyl methacrylate
                0.333 0.328 0.328 0.342 0.359 0.347 0.379          0.345     5.39

65) I   chlorobenzene-d5      ----------------ISTD--------------------
66)  tetrachloroethene
           1.372 1.139 1.215 1.300 1.169 0.896 0.770 0.913         1.097    19.45
67)  1,3-dichloropropane
                1.038 1.223 1.110 1.107 0.980 0.870 1.042          1.053    10.57
68)  dibromochloromethane
                1.295 1.313 1.353 1.362 1.170 1.062 1.146          1.243     9.37
69)  1,2-dibromoethane
                0.854 0.926 0.881 0.852 0.803 0.722 0.785          0.832     8.08
70)  2-hexanone
                0.589 0.791 0.623 0.687 0.668 0.588 0.615          0.651    11.04
71)  chlorobenzene
                2.841 3.101 3.061 2.936 2.335 2.062 2.523          2.694    14.67
72)  1,1,1,2-tetrachloroethane
                1.242       1.307 1.277 1.071 0.944 1.073          1.152    12.50
73)  ethylbenzene
                3.967 4.324 4.174 4.124 3.155 2.839 3.566          3.736    15.12
74)  m,p-xylene
                1.706 1.848 1.799 1.784 1.407 1.258 1.531          1.619    13.87
75)  o-xylene
                1.745 1.921 1.817 1.808 1.446 1.298 1.601          1.662    13.50
```

Initial Calibration Summary

Job Number: MC27146 **Sample:** MSM2178-ICC2178
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62335.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
 76)  styrene
                2.759 2.836 2.684 2.815 2.325 2.034 2.534         2.569   11.55
 77)  bromoform
                0.878 1.008 0.933 0.882 0.861 0.759 0.813         0.876    9.16
 78)  trans-1,4-dichloro-2-butene
                0.360       0.368 0.367 0.384 0.348 0.341         0.361    4.26

 79) I   1,4-dichlorobenzene-d ----------------ISTD--------------------
 80)  isopropylbenzene
                3.554 3.719 3.726 3.675 2.847 2.659 2.897         3.297   14.33
 81)  bromofluorobenzene (s)
                1.061       1.064 1.091 0.489 0.613 0.697         0.836   31.96
             ---- Linear regression ----  Coefficient =  0.9957
               Response Ratio = -0.00822 + 0.69207 *A

 82)  bromobenzene
                1.019 1.111 1.031 0.989 0.852 0.798 0.824         0.946   12.73
 83)  1,1,2,2-tetrachloroethane
                0.662 0.695 0.736 0.654 0.677 0.648 0.630         0.672    5.22
 84)  1,2,3-trichloropropane
                0.773 0.771 0.769 0.742 0.778 0.752 0.703         0.755    3.47
 85)  n-propylbenzene
                3.658 3.760 3.829 3.638 2.918 2.698 2.992         3.356   13.95
 86)  2-chlorotoluene
                2.340 2.366 2.481 2.424 1.877 1.764 1.916         2.167   13.89
 87)  4-chlorotoluene
                2.297 2.248 2.453 2.405 1.912 1.746 1.903         2.138   13.07
 88)  1,3,5-trimethylbenzene
                3.035 3.023 3.096 3.087 2.490 2.324 2.554         2.801   11.82
 89)  tert-butylbenzene
                1.682 1.775 1.759 1.744 1.412 1.295 1.394         1.580   12.96
 90)  1,2,4-trimethylbenzene
                2.977 3.071 3.051 2.996 2.470 2.303 2.509         2.768   11.79
 91)  sec-butylbenzene
                4.000 4.143 4.162 4.160 3.234 2.987 3.285         3.710   13.96
 92)  1,3-dichlorobenzene
                2.054 2.208 2.197 2.122 1.713 1.580 1.665         1.934   14.01
 93)  p-isopropyltoluene
                3.693 3.903 3.810 3.801 3.019 2.850 3.023         3.443   13.23
 94)  1,4-dichlorobenzene
                2.073 2.444 2.175 2.178 1.759 1.624 1.646         1.986   15.76
 95)  1,2-dichlorobenzene
                2.034 2.177 2.141 2.198 1.797 1.658 1.694         1.957   11.99
 96)  n-butylbenzene
                2.699 2.934 2.936 2.798 2.278 2.087 2.295         2.575   13.54
 97)  1,2-dibromo-3-chloropropane
                0.197       0.205 0.207 0.207 0.187 0.162         0.194    9.00
 98)  1,3,5-trichlorobenzene
                1.365 1.495 1.509 1.466 1.175 1.052 1.090         1.307   15.10
 99)  1,2,4-trichlorobenzene
                1.370 1.579 1.437 1.388 1.199 1.098 1.100         1.310   13.92
100)  hexachlorobutadiene
                0.714       0.817 0.775 0.581 0.524 0.531         0.657   19.52
101)  naphthalene
                3.704 3.710 3.689 3.780 3.625 3.463 3.323         3.614    4.49
102)  1,2,3-trichlorobenzene
                1.344 1.405 1.407 1.396 1.208 1.114 1.106         1.283   10.67
103)  2-methylnaphthalene
                1.995 2.145 1.741 1.966 2.019 1.945 1.901         1.959    6.27
104)  1-methylnaphthalene
```

Initial Calibration Summary

Job Number: MC27146 **Sample:** MSM2178-ICC2178
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62335.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                  6.220       7.445 7.883 5.990 5.689 5.328         6.426   15.78
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M131219S.M        Fri Dec 20 10:21:09 2013
```

Initial Calibration Verification

Job Number: MC27146 **Sample:** MSM2178-ICV2178
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62341.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M131219S\m62341.D Vial: 17
Acq On : 19 Dec 2013 10:49 pm Operator: krystend
Sample : ICV2178-50 Inst : GCMS M
Misc : MS30825,MSM2178,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M131219S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Dec 20 10:07:12 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	500.000	500.000	0.0	109	-0.01	6.84
2	P	tertiary butyl alcohol	500.000	519.932	-4.0	101	0.00	6.93
3	P	Ethanol	5000.000	6241.803	-24.8	152	0.00	5.64
4	I	pentafluorobenzene	50.000	50.000	0.0	112	0.00	9.35
5	P	dichlorodifluoromethane	50.000	42.406	15.2	84	-0.02	4.42
6	P	chloromethane	50.000	39.966	20.1	89	0.00	4.70
7	P	vinyl chloride	50.000	40.430	19.1	83	-0.01	4.96
8	P	bromomethane	50.000	37.917	24.2	82	0.00	5.50
9	P	chloroethane	50.000	47.549	4.9	98	0.01	5.67
10	P	ethyl ether	50.000	46.036	7.9	110	-0.01	6.57
11	P	acetonitrile	50.000	43.996	12.0	93	-0.03	6.57
12	P	trichlorofluoromethane	50.000	39.406	21.2	81	0.00	6.33
13	P	freon-113	50.000	41.955	16.1	106	-0.01	7.14
14	P	acrolein	250.000	271.850	-8.7	21	0.01	6.34
15	P	1,1-dichloroethene	50.000	50.839	-1.7	117	-0.01	6.94
16	P	acetone	50.000	43.605	12.8	96	-0.03	6.53
17	P	Methyl Acetate	50.000	42.176	15.6	82	0.00	7.13
18	P	methylene chloride	50.000	43.111	13.8	110	0.00	7.10
19	P	methyl tert butyl ether	50.000	43.857	12.3	104	-0.01	7.89
20	P	acrylonitrile	50.000	47.510	5.0	205	-0.01	7.00
21	P	allyl chloride	50.000	42.043	15.9	108	0.00	7.19
22	P	trans-1,2-dichloroethene	50.000	48.323	3.4	114	0.00	7.81
23	P	iodomethane	50.000	41.080	17.8	108	0.00	7.00
24	P	carbon disulfide	50.000	41.892	16.2	112	0.00	7.39
25	P	propionitrile	50.000	47.752	4.5	99	0.00	8.16
26	P	vinyl acetate	50.000	45.247	9.5	93	0.00	8.17
27	P	chloroprene	50.000	42.141	15.7	111	0.00	8.44
28	P	di-isopropyl ether	50.000	41.682	16.6	102	0.00	8.48
29	P	methacrylonitrile	50.000	46.419	7.2	100	0.00	8.60
30	P	2-butanone	50.000	46.182	7.6	101	0.00	8.51
31	P	1,1-dichloroethane	50.000	40.971	18.1	107	0.00	8.07
32	P	tert-butyl ethyl ether	50.000	45.398	9.2	107	0.00	8.88
33	P	isobutyl alcohol	250.000	242.897	2.8	119	0.00	8.88
34	P	2,2-dichloropropane	50.000	46.132	7.7	105	0.00	8.94
35	P	cis-1,2-dichloroethene	50.000	41.426	17.1	111	0.00	8.65
36	P	ethyl acetate	50.000	48.088	3.8	122	0.00	8.88
37	P	bromochloromethane	50.000	43.259	13.5	110	0.00	8.82
38	P	chloroform	50.000	40.011	20.0	103	0.00	8.86
39	S	dibromofluoromethane (s)	45.000	36.958	17.9	126	0.00	8.99
40	P	Tetrahydrofuran	50.000	48.048	3.9	105	0.00	9.19
41	P	1,1,1-trichloroethane	50.000	35.626	28.7	101	0.00	9.62

Initial Calibration Verification

Job Number: MC27146 **Sample:** MSM2178-ICV2178
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62341.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42	I	1,4-difluorobenzene	50.000	50.000	0.0	115	0.00	10.22
43	P	Cyclohexane	50.000	37.102	25.8	101	0.00	9.91
44	P	carbon tetrachloride	50.000	36.493	27.0	98	0.00	10.00
45	P	1,1-dichloropropene	50.000	40.233	19.5	107	0.00	9.80
46	P	benzene	50.000	39.619	20.8	110	0.00	10.03
47	P	1,2-dichloroethane	50.000	41.733	16.5	101	0.00	9.52
48	P	tert-amyl methyl ether	50.000	44.999	10.0	106	0.00	10.14
49	P	heptane	50.000	35.147	29.7	92	0.00	10.51
50	P	trichloroethene	50.000	43.225	13.5	111	0.00	10.66
51	P	1,2-dichloropropane	50.000	43.050	13.9	109	0.00	10.62
52	P	dibromomethane	50.000	44.971	10.1	104	0.00	10.60
53	P	bromodichloromethane	50.000	41.424	17.2	102	0.00	10.71
54	P	Methylcyclohexane	50.000	39.424	21.2	104	0.00	11.17
55	P	2-chloroethyl vinyl ether	50.000	44.281	11.4	100	0.00	11.08
56	P	methyl methacrylate	50.000	48.762	2.5	102	0.00	10.80
57	P	1,4-dioxane	250.000	247.306	1.1	100	0.00	10.80
58	P	cis-1,3-dichloropropene	50.000	41.947	16.1	103	0.00	11.33
59	S	toluene-d8 (s)	45.000	32.484	27.8	121	0.00	12.04
60	P	4-methyl-2-pentanone	50.000	47.098	5.8	100	0.00	11.42
61	P	toluene	50.000	40.793	18.4	104	0.00	12.11
62	P	trans-1,3-dichloropropene	50.000	46.209	7.6	110	0.00	11.75
63	P	1,1,2-trichloroethane	50.000	46.034	7.9	111	0.00	11.92
64	P	ethyl methacrylate	50.000	48.055	3.9	106	0.00	12.12
65	I	chlorobenzene-d5	50.000	50.000	0.0	110	0.00	13.51
66	P	tetrachloroethene	50.000	36.400	27.2	98	0.00	12.85
67	P	1,3-dichloropropane	50.000	45.068	9.9	107	0.00	12.16
68	P	dibromochloromethane	50.000	45.088	9.8	106	0.00	12.45
69	P	1,2-dibromoethane	50.000	45.943	8.1	105	0.00	12.71
70	P	2-hexanone	50.000	44.768	10.5	96	0.00	12.28
71	P	chlorobenzene	50.000	40.387	19.2	103	0.00	13.54
72	P	1,1,1,2-tetrachloroethane	50.000	42.953	14.1	102	0.00	13.46
73	P	ethylbenzene	50.000	40.082	19.8	105	0.00	13.71
74	P	m,p-xylene	100.000	79.024	21.0	100	0.00	13.90
75	P	o-xylene	50.000	39.534	20.9	100	0.00	14.31
76	P	styrene	50.000	43.526	12.9	106	0.00	14.23
77	P	bromoform	50.000	45.207	9.6	101	0.00	14.06
78	P	trans-1,4-dichloro-2-bute	50.000	45.672	8.7	95	0.00	14.45
79	I	1,4-dichlorobenzene-d4	50.000	50.000	0.0	113	0.00	16.06
80	P	isopropylbenzene	50.000	37.330	25.3	97	0.00	14.67
81	S	bromofluorobenzene (s)	45.000	35.104	22.0	122	0.00	14.73
82	P	bromobenzene	50.000	41.129	17.7	103	0.00	14.96
83	P	1,1,2,2-tetrachloroethane	50.000	49.171	1.7	110	0.00	14.31
84	P	1,2,3-trichloropropane	50.000	49.049	1.9	107	0.00	14.46
85	P	n-propylbenzene	50.000	35.967	28.1	93	0.00	15.12
86	P	2-chlorotoluene	50.000	37.496	25.0	98	0.00	15.24
87	P	4-chlorotoluene	50.000	38.688	22.6	97	0.00	15.32
88	P	1,3,5-trimethylbenzene	50.000	38.454	23.1	97	0.00	15.39
89	P	tert-butylbenzene	50.000	37.044	25.9	93	0.00	15.70
90	P	1,2,4-trimethylbenzene	50.000	37.982	24.0	96	0.00	15.80
91	P	sec-butylbenzene	50.000	36.620	26.8	95	0.00	15.92
92	P	1,3-dichlorobenzene	50.000	38.242	23.5	97	0.00	16.03
93	P	p-isopropyltoluene	50.000	37.493	25.0	96	0.00	16.09
94	P	1,4-dichlorobenzene	50.000	39.957	20.1	102	0.00	16.09
95	P	1,2-dichlorobenzene	50.000	39.969	20.1	98	0.00	16.46
96	P	n-butylbenzene	50.000	37.087	25.8	94	0.00	16.51
97	P	1,2-dibromo-3-chloropropa	50.000	46.387	7.2	98	0.00	16.94
98	P	1,3,5-trichlorobenzene	50.000	38.141	23.7	96	0.00	17.75

Initial Calibration Verification

Job Number: MC27146 **Sample:** MSM2178-ICV2178
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62341.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

99	P	1,2,4-trichlorobenzene	50.000	39.063	21.9	96	0.00	18.30
100	P	hexachlorobutadiene	50.000	36.340	27.3	93	0.00	18.59
101	P	naphthalene	50.000	45.882	8.2	103	0.00	18.57
102	P	1,2,3-trichlorobenzene	50.000	41.193	17.6	99	0.00	18.78
103	P	2-methylnaphthalene	25.000	22.581	9.7	99	0.00	19.97
104	P	1-methylnaphthalene	25.000	23.621	5.5	114	0.00	20.22

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m62335.D M131219S.M Fri Dec 20 10:21:01 2013

Continuing Calibration Summary

Job Number: MC27146 **Sample:** MSM2180-CC2178
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62373.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\M131220S\m62373.D Vial: 27
Acq On : 20 Dec 2013 11:19 pm Operator: krystend
Sample : cc2178-50 Inst : GCMS M
Misc : MS30848,MSM2180,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M131219S.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Dec 20 10:07:12 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	84	0.00	6.84
2	P	tertiary butyl alcohol	1.907	2.253	-18.1	88	0.00	6.93
3	P	Ethanol	0.092	0.094	-2.2	96	0.02	5.67
4	I	pentafluorobenzene	1.000	1.000	0.0	85	0.00	9.35
5	P	dichlorodifluoromethane	0.412	0.397	3.6	73	0.00	4.45
6	P	chloromethane	0.638	0.549	13.9	72	0.00	4.71
7	P	vinyl chloride	0.505	0.460	8.9	71	0.00	4.96
8	P	bromomethane	0.461	0.415	10.0	74	0.01	5.50
9	P	chloroethane	0.270	0.240	11.1	69	0.01	5.67
10	P	ethyl ether	0.334	0.287	14.1	78	0.00	6.58
11	P	acetonitrile	0.113	0.099	12.4	71	-0.02	6.58
12	P	trichlorofluoromethane	1.064	1.072	-0.8	79	0.01	6.34
13	P	freon-113	0.372	0.363	2.4	94	0.00	7.15
14	P	acrolein	0.057	0.048#	15.8	62	0.00	6.33
		----------	Amount	Calc.	%Drift		----------	
15	P	1,1-dichloroethene	50.000	52.260	-4.5	91	0.00	6.95
		----------	AvgRF	CCRF	%Dev		----------	
16	P	acetone	0.050	0.057#	-14.0	94	0.00	6.55
17	P	Methyl Acetate	0.513	0.499	2.7	72	0.00	7.14
18	P	methylene chloride	0.434	0.392	9.7	87	0.00	7.10
19	P	methyl tert butyl ether	1.048	0.883	15.7	75	0.00	7.91
20	P	acrylonitrile	0.184	0.151	17.9	67	0.00	7.02
21	P	allyl chloride	0.744	0.632	15.1	83	0.00	7.20
		----------	Amount	Calc.	%Drift		----------	
22	P	trans-1,2-dichloroethene	50.000	48.916	2.2	87	0.00	7.81
		----------	AvgRF	CCRF	%Dev		----------	
23	P	iodomethane	1.037	0.914	11.9	87	0.00	7.01
24	P	carbon disulfide	1.148	1.019	11.2	90	0.00	7.40
25	P	propionitrile	0.066	0.063	4.5	76	0.00	8.16
26	P	vinyl acetate	0.951	0.827	13.0	68	0.00	8.18
27	P	chloroprene	0.836	0.777	7.1	92	0.00	8.45
28	P	di-isopropyl ether	1.682	1.424	15.3	79	0.00	8.49
29	P	methacrylonitrile	0.300	0.268	10.7	73	0.00	8.60
30	P	2-butanone	0.053	0.063#	-18.9	98	0.00	8.50
31	P	1,1-dichloroethane	0.825	0.715	13.3	86	0.00	8.08
32	P	tert-butyl ethyl ether	1.183	1.057	10.7	80	0.00	8.88
33	P	isobutyl alcohol	0.046	0.041#	10.9	82	0.00	8.88

Continuing Calibration Summary

Job Number: MC27146 **Sample:** MSM2180-CC2178
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62373.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
34	P	2,2-dichloropropane	50.000	53.690	-7.4	92	0.00	8.95
			AvgRF	CCRF	%Dev			
35	P	cis-1,2-dichloroethene	0.535	0.465	13.1	88	0.00	8.65
36	P	ethyl acetate	0.343	0.321	6.4	90	0.00	8.88
37	P	bromochloromethane	0.347	0.311	10.4	86	0.00	8.82
38	P	chloroform	0.944	0.872	7.6	90	0.00	8.86
			Amount	Calc.	%Drift			
39	S	dibromofluoromethane (s)	45.000	55.284	-22.9#	143	0.00	8.99
			AvgRF	CCRF	%Dev			
40	P	Tetrahydrofuran	0.169	0.148	12.4	72	0.00	9.19
41	P	1,1,1-trichloroethane	0.943	0.810	14.1	93	0.00	9.63
42	I	1,4-difluorobenzene	1.000	1.000	0.0	85	0.00	10.23
43	P	Cyclohexane	0.502	0.432	13.9	88	0.00	9.91
44	P	carbon tetrachloride	0.689	0.632	8.3	92	0.00	10.00
45	P	1,1-dichloropropene	0.389	0.365	6.2	93	0.00	9.80
46	P	benzene	1.179	0.995	15.6	88	0.00	10.03
47	P	1,2-dichloroethane	0.562	0.540	3.9	87	0.00	9.52
48	P	tert-amyl methyl ether	0.602	0.560	7.0	82	0.00	10.15
49	P	heptane	0.529	0.465	12.1	86	0.00	10.51
50	P	trichloroethene	0.423	0.343	18.9	77	0.00	10.66
51	P	1,2-dichloropropane	0.300	0.270	10.0	85	0.00	10.62
52	P	dibromomethane	0.232	0.227	2.2	85	0.00	10.59
53	P	bromodichloromethane	0.516	0.568	-10.1	102	0.00	10.71
54	P	Methylcyclohexane	0.474	0.421	11.2	87	0.00	11.18
55	P	2-chloroethyl vinyl ether	0.096	0.083	13.5	74	0.00	11.08
56	P	methyl methacrylate	0.176	0.175	0.6	77	0.00	10.80
57	P	1,4-dioxane	0.003	0.003#	0.0	78	0.00	10.80
58	P	cis-1,3-dichloropropene	0.494	0.510	-3.2	94	0.00	11.33
			Amount	Calc.	%Drift			
59	S	toluene-d8 (s)	45.000	59.723	-32.7#	168	0.00	12.04
			AvgRF	CCRF	%Dev			
60	P	4-methyl-2-pentanone	0.359	0.407	-13.4	90	0.00	11.42
61	P	toluene	0.776	0.738	4.9	91	0.00	12.11
62	P	trans-1,3-dichloropropene	0.458	0.542	-18.3	105	0.00	11.75
63	P	1,1,2-trichloroethane	0.227	0.258	-13.7	102	0.00	11.92
64	P	ethyl methacrylate	0.345	0.397	-15.1	95	0.00	12.12
65	I	chlorobenzene-d5	1.000	1.000	0.0	89	0.00	13.50
66	P	tetrachloroethene	1.097	0.931	15.1	93	0.00	12.85
67	P	1,3-dichloropropane	1.053	1.068	-1.4	97	0.00	12.16
68	P	dibromochloromethane	1.243	1.479	-19.0	113	0.00	12.45
69	P	1,2-dibromoethane	0.832	0.863	-3.7	96	0.00	12.71
70	P	2-hexanone	0.651	0.650	0.2	87	0.00	12.28
71	P	chlorobenzene	2.694	2.911	-8.1	111	0.00	13.54
72	P	1,1,1,2-tetrachloroethane	1.152	1.409	-22.3#	118	0.00	13.46
73	P	ethylbenzene	3.736	3.901	-4.4	111	0.00	13.71
74	P	m,p-xylene	1.619	1.707	-5.4	109	0.00	13.90
75	P	o-xylene	1.662	1.838	-10.6	114	0.00	14.31
76	P	styrene	2.569	2.996	-16.6	115	0.00	14.24
77	P	bromoform	0.876	1.020	-16.4	106	0.00	14.06
78	P	trans-1,4-dichloro-2-bute	0.361	0.429	-18.8	100	0.00	14.45

Continuing Calibration Summary

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Account: WSPVAR WSP Environmental & Energy **Lab FileID:** M62373.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	90	0.00	16.06
80	P	isopropylbenzene	3.297	3.762	-14.1	119	0.00	14.67
		----------	Amount	Calc.	%Drift	----------		
81	S	bromofluorobenzene (s)	45.000	54.645	-21.4#	154	0.00	14.73
		----------	AvgRF	CCRF	%Dev	----------		
82	P	bromobenzene	0.946	1.102	-16.5	117	0.00	14.97
83	P	1,1,2,2-tetrachloroethane	0.672	0.744	-10.7	99	0.00	14.31
84	P	1,2,3-trichloropropane	0.755	0.862	-14.2	100	0.00	14.46
85	P	n-propylbenzene	3.356	3.841	-14.5	119	0.00	15.11
86	P	2-chlorotoluene	2.167	2.480	-14.4	119	0.00	15.24
87	P	4-chlorotoluene	2.138	2.468	-15.4	117	0.00	15.31
88	P	1,3,5-trimethylbenzene	2.801	3.303	-17.9	120	0.00	15.39
89	P	tert-butylbenzene	1.580	1.934	-22.4#	124	0.00	15.70
90	P	1,2,4-trimethylbenzene	2.768	3.212	-16.0	118	0.00	15.80
91	P	sec-butylbenzene	3.710	4.311	-16.2	121	0.00	15.92
92	P	1,3-dichlorobenzene	1.934	2.168	-12.1	114	0.00	16.03
93	P	p-isopropyltoluene	3.443	3.998	-16.1	120	0.00	16.09
94	P	1,4-dichlorobenzene	1.986	2.185	-10.0	112	0.00	16.10
95	P	1,2-dichlorobenzene	1.957	2.198	-12.3	111	0.00	16.46
96	P	n-butylbenzene	2.575	2.866	-11.3	114	0.00	16.51
97	P	1,2-dibromo-3-chloropropa	0.194	0.230	-18.6	101	0.00	16.94
98	P	1,3,5-trichlorobenzene	1.307	1.362	-4.2	105	0.00	17.76
99	P	1,2,4-trichlorobenzene	1.310	1.384	-5.6	104	0.00	18.30
100	P	hexachlorobutadiene	0.657	0.711	-8.2	111	0.00	18.59
101	P	naphthalene	3.614	4.068	-12.6	101	0.00	18.57
102	P	1,2,3-trichlorobenzene	1.283	1.415	-10.3	106	0.00	18.78
103	P	2-methylnaphthalene	1.959	2.135	-9.0	96	0.00	19.97
104	P	1-methylnaphthalene	6.426	6.889	-7.2	104	0.00	20.22

(#) = Out of Range SPCC's out = 5 CCC's out = 0
m62335.D M131219S.M Sun Dec 22 10:51:52 2013

Initial Calibration Summary

Job Number: MC27146 **Sample:** MSN3086-ICC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82695.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report MSN

Method : C:\msdchem\1\methods\n131125w.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Calibration Files
1 =N82690.D 2 =N82691.D 5 =N82692.D 50 =N82695.D
100 =N82696.D 200 =N82697.D 400 =N82698.D 0.5 =N82689.D
25 =N82694.D 10 =N82693.D = =

Compound	1	2	5	50	100	200	400	0.5	25	10	Avg	%RSD
1) p tert butyl alcohol-d9 ----------ISTD----------												
2) tertiary butyl alcohol	1.446	1.253	1.290	1.241	1.362	1.297		1.236	1.462		1.323	6.82
3) Ethanol	0.221	0.190	0.194	0.181	0.199	0.179		0.186	0.228		0.197	9.12
4) I pentafluorobenzene ----------ISTD----------												
5) dichlorodifluoromethane	0.919	0.719	0.702	0.655	0.642	0.577	0.469	0.824	0.724	0.738	0.697	17.88
6) chloromethane	0.823	0.733	0.688	0.574	0.597	0.592	0.564	0.954	0.620	0.675	0.682	18.36
7) vinyl chloride	1.119	0.864	0.824	0.765	0.746	0.663		0.827	0.903		0.839	16.15
8) bromomethane	0.282	0.273	0.306	0.312	0.342	0.299		0.304	0.303		0.303	6.75
9) chloroethane	0.467	0.352	0.372	0.353	0.346	0.323	0.271	0.361	0.376	0.395	0.362	13.86
10) ethyl ether	0.606	0.500	0.535	0.480	0.480	0.473	0.454	0.570	0.493	0.551	0.514	9.53
11) acetonitrile											0.000#	-1.00
12) trichlorofluoromethane	1.243	0.962	0.938	0.907	0.885	0.788	0.637	1.119	0.979	1.033	0.949	17.65
13) freon-113	0.712	0.525	0.533	0.523	0.521	0.384	0.405		0.550	0.614	0.530	18.56
14) acrolein			0.112	0.115	0.118	0.114	0.108		0.126	0.125	0.117	5.75
15) 1,1-dichloroethene	0.764	0.594	0.545	0.472	0.457	0.363	0.365		0.498	0.591	0.516	24.32
---- Linear regression ---- Coefficient = 0.9959												
Response Ratio = 0.05629 + 0.35990 *A												
16) acetone			0.085	0.071	0.061	0.052	0.050		0.086	0.095	0.072#	24.84
---- Linear regression ---- Coefficient = 0.9971												
Response Ratio = 0.01521 + 0.04858 *A												
17) Methyl Acetate			0.934	0.843	0.812	0.741	0.686		0.891	1.009	0.845	13.16
18) methylene chloride	0.739	0.584	0.630	0.554	0.553	0.531	0.519		0.571	0.648	0.592	11.77
19) methyl tert butyl ether	1.294	1.040	1.102	1.110	1.254	1.364	1.394	1.439	1.109	1.247	1.235	11.27
20) acrylonitrile												

Initial Calibration Summary

Job Number: MC27146 **Sample:** MSN3086-ICC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82695.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

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                    0.225 0.219 0.211 0.215 0.207       0.225 0.254  0.222    6.98
21)  allyl chloride
                    0.824 0.891 0.901 0.797 0.681       0.907 0.949  0.850   10.68
22)  trans-1,2-dichloroethene
          0.707 0.596 0.519 0.500 0.502 0.444 0.444 0.615 0.524 0.584  0.543   15.10
23)  iodomethane
                    0.257 0.460 0.543 0.502 0.415       0.412 0.345  0.419   23.02
           ---- Quadratic regression ----  Coefficient =  0.9993
             Response Ratio = -0.06924 + 0.61110 *A + -0.02343 *A^2

24)  carbon disulfide
                1.798 1.753 1.694 1.691 1.379 1.389       1.745 1.925  1.672   11.50
25)  propionitrile
                          0.011 0.009 0.007 0.004       0.011 0.017  0.010#  43.33
           ---- Quadratic regression ----  Coefficient =  0.9944
             Response Ratio = 0.00215 + 0.00832 *A + -0.00052 *A^2

26)  vinyl acetate
                    0.934 0.843 0.812 0.741 0.686       0.891 1.009  0.845   13.16
27)  chloroprene
          0.978 0.836 0.853 0.906 0.935 0.751 0.758       0.921 0.986  0.880    9.86
28)  di-isopropyl ether
                2.097 2.119 2.050 2.038 1.964 1.877       2.086 2.347  2.072    6.57
29)  methacrylonitrile
                0.306 0.384 0.347 0.343 0.344 0.342       0.395 0.413  0.359    9.68
30)  2-butanone
                    0.058 0.067 0.064 0.059 0.058       0.068 0.065  0.063#   6.87
31)  Hexane
                    0.987 0.935 0.931 0.759 0.773       0.962 1.099  0.921   13.00
32)  1,1-dichloroethane
          1.425 1.082 1.142 1.062 1.073 0.976 0.967 1.394 1.095 1.228  1.144   13.86
33)  tert-butyl ethyl ether
                0.553 0.700 1.106 1.319 1.497 1.621       0.930 0.856  1.073   35.56
           ---- Linear regression ----  Coefficient =  0.9973
             Response Ratio = -0.30055 + 1.63093 *A

34)  isobutyl alcohol
                    0.370 0.349 0.345 0.307 0.301       0.367 0.404  0.349   10.42
35)  2,2-dichloropropane
                    0.318 0.631 0.709 0.638 0.672       0.546 0.482  0.571   23.74
           ---- Linear regression ----  Coefficient =  0.9989
             Response Ratio = -0.03726 + 0.67340 *A

36)  cis-1,2-dichloroethene
          0.762 0.600 0.603 0.557 0.560 0.534 0.534 0.756 0.582 0.646  0.613   13.69
37)  ethyl acetate
                1.827 1.865 1.745 1.729 1.536 1.503       1.846 2.020  1.759    9.79
38)  bromochloromethane
          0.297 0.221 0.267 0.258 0.260 0.243 0.231       0.260 0.305  0.260   10.68
39)  chloroform
          1.293 0.995 1.035 1.000 1.003 0.942 0.938 1.194 1.011 1.148  1.056   11.05
40)  dibromofluoromethane (s)
                    0.521 0.493 0.487 0.477 0.467       0.489 0.488  0.489    3.43
41)  Tetrahydrofuran
                    0.169 0.156 0.155 0.155 0.153       0.164 0.184  0.162    7.00
42)  1,1,1-trichloroethane
          0.871 0.659 0.732 0.815 0.839 0.701 0.720 0.681 0.814 0.850  0.768   10.10

43) I   1,4-difluorobenzene   ----------------ISTD---------------------
44)  Cyclohexane
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Initial Calibration Summary

Job Number: MC27146 **Sample:** MSN3086-ICC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82695.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

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                0.666 0.732 0.704 0.721 0.547 0.577       0.715 0.780  0.680   11.77
45)  carbon tetrachloride
          0.389 0.339 0.385 0.445 0.468 0.375 0.392       0.431 0.462  0.409   10.70
46)  1,1-dichloropropene
                0.446 0.495 0.477 0.492 0.400 0.405       0.493 0.529  0.467    9.83
47)  benzene
          1.775 1.504 1.519 1.407 1.460 1.305 1.301 1.837 1.426 1.650  1.519   12.07
48)  1,2-dichloroethane
          0.634 0.486 0.548 0.513 0.532 0.532 0.511       0.519 0.600  0.542    8.65
49)  tert-amyl methyl ether
          0.676 0.492 0.542 0.587 0.707 0.769 0.821       0.543 0.594  0.637   17.63
50)  heptane
          0.622 0.477 0.472 0.463 0.482 0.379 0.421       0.475 0.517  0.479   13.92
51)  trichloroethene
          0.446 0.406 0.396 0.381 0.390 0.338 0.338 0.419 0.376 0.434  0.392    9.23
52)  1,2-dichloropropane
                0.392 0.448 0.417 0.435 0.418 0.406       0.419 0.470  0.426    5.77
53)  dibromomethane
                0.215 0.243 0.221 0.233 0.230 0.227       0.222 0.254  0.231    5.46
54)  bromodichloromethane
          0.595 0.487 0.497 0.501 0.526 0.515 0.515       0.504 0.572  0.524    6.89
55)  Methylcyclohexane
          0.837 0.607 0.639 0.650 0.671 0.520 0.561       0.661 0.713  0.651   13.96
56)  2-chloroethyl vinyl ether
                                                                       0.000#  -1.00
57)  methyl methacrylate
                      0.210 0.218 0.232 0.232 0.233       0.219 0.236  0.226    4.37
58)  1,4-dioxane
                            0.004 0.004 0.004 0.004       0.004 0.004  0.004#   2.52
59)  cis-1,3-dichloropropene
          0.535 0.468 0.512 0.561 0.604 0.618 0.606 0.512 0.548 0.595  0.556    8.95
60)  toluene-d8 (s)
                      1.305 1.221 1.224 1.145 1.074       1.231 1.253  1.207    6.25
61)  4-methyl-2-pentanone
                      0.343 0.341 0.353 0.346 0.338       0.348 0.393  0.352    5.34
62)  toluene
          1.054 0.818 0.823 0.842 0.871 0.782 0.779       0.842 0.952  0.863   10.24
63)  trans-1,3-dichloropropene
          0.449 0.403 0.438 0.456 0.495 0.522 0.523 0.428 0.448 0.483  0.464    8.61
64)  1,1,2-trichloroethane
          0.342 0.274 0.288 0.280 0.290 0.290 0.283       0.282 0.323  0.295    7.63
65)  ethyl methacrylate
                      0.379 0.404 0.421 0.425 0.427       0.394 0.438  0.413    5.05

66) I   chlorobenzene-d5      ----------------ISTD--------------------
67)  tetrachloroethene
          0.949 0.702 0.717 0.692 0.719 0.603 0.625 0.952 0.702 0.810  0.747   16.18
68)  1,3-dichloropropane
          1.158 0.951 1.056 1.019 1.030 1.036 1.011       1.007 1.144  1.046    6.34
69)  dibromochloromethane
          0.777 0.586 0.646 0.664 0.705 0.717 0.712 0.703 0.640 0.748  0.690    8.19
70)  1,2-dibromoethane
                0.571 0.601 0.595 0.619 0.637 0.622       0.589 0.688  0.615    5.87
71)  2-hexanone
                      0.380 0.448 0.455 0.432 0.426       0.447 0.481  0.438    7.17
72)  chlorobenzene
          2.285 1.810 1.779 1.746 1.778 1.702 1.679       1.724 1.995  1.833   10.52
73)  1,1,1,2-tetrachloroethane
          0.720 0.581 0.590 0.586 0.620 0.607 0.602 0.683 0.577 0.658  0.622    7.84
74)  ethylbenzene
```

Initial Calibration Summary

Job Number: MC27146 **Sample:** MSN3086-ICC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82695.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
          4.230 3.174 3.186 3.128 3.212 2.877 2.888       3.135 3.541  3.263   12.60
75)  m,p-xylene
          1.554 1.179 1.213 1.224 1.256 1.132 1.135 1.488 1.225 1.393  1.280   11.53
76)  o-xylene
          1.502 1.195 1.214 1.215 1.249 1.171 1.165 1.540 1.200 1.369  1.282   10.81
77)  styrene
                1.590 1.745 1.891 1.966 1.932 1.916       1.799 1.996  1.854    7.30
78)  bromoform
          0.461 0.403 0.431 0.451 0.482 0.504 0.511       0.426 0.489  0.462    8.15
79)  trans-1,4-dichloro-2-butene
                      0.117 0.164 0.189 0.201 0.207       0.153 0.147  0.168   19.39

80) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
81)  isopropylbenzene
                3.936 4.055 3.685 3.671 3.197 3.327       3.834 4.510  3.777   10.97
82)  bromofluorobenzene (s)
                      1.233 1.035 1.008 0.978 0.959       1.087 1.097  1.057    8.82
83)  bromobenzene
                0.957 0.877 0.839 0.857 0.845 0.848       0.876 1.028  0.891    7.50
84)  1,1,2,2-tetrachloroethane
          1.192 0.991 1.027 0.894 0.888 0.864 0.871 1.098 0.976 1.119  0.992   11.65
85)  1,2,3-trichloropropane
                      0.949 0.889 0.921 0.911 0.946       0.924 1.065  0.944    6.08
86)  n-propylbenzene
                      4.918 4.508 4.472 3.894 4.043       4.744 5.404  4.569   11.28
87)  2-chlorotoluene
                      3.044 2.687 2.685 2.466 2.505       2.831 3.305  2.789   10.75
88)  4-chlorotoluene
                      2.864 2.719 2.717 2.533 2.582       2.842 3.236  2.785    8.38
89)  1,3,5-trimethylbenzene
          4.566 3.390 3.352 3.165 3.164 2.871 2.922       3.266 3.778  3.386   15.28
90)  tert-butylbenzene
                      2.026 1.944 1.915 1.676 1.745       2.003 2.323  1.947   10.82
91)  1,2,4-trimethylbenzene
          4.259 3.224 3.332 3.063 3.083 2.858 2.915       3.194 3.603  3.281   13.07
92)  sec-butylbenzene
                      4.613 4.321 4.281 3.694 3.850       4.478 5.183  4.346   11.37
93)  1,3-dichlorobenzene
          2.257 1.742 1.841 1.680 1.698 1.650 1.681       1.698 1.962  1.801   10.97
94)  p-isopropyltoluene
                      3.383 3.336 3.346 2.957 3.013       3.497 3.879  3.344    9.21
95)  1,4-dichlorobenzene
          2.140 1.794 1.740 1.636 1.659 1.635 1.611       1.671 1.880  1.752    9.70
96)  1,2-dichlorobenzene
          2.268 1.789 1.725 1.613 1.647 1.634 1.621       1.656 1.856  1.757   11.89
97)  n-butylbenzene
                      3.187 3.337 3.382 2.950 3.082       3.389 3.659  3.284    7.10
98)  1,2-dibromo-3-chloropropane
                      0.168 0.152 0.158 0.155 0.156       0.162 0.178  0.161    5.52
99)  1,2,4-trichlorobenzene
                      0.821 0.990 1.057 1.054 1.086       0.946 0.993  0.992    9.02
100)  1,3,5-trichlorobenzene
                      1.238 1.197 1.213 1.179 1.208       1.211 1.362  1.230    4.98
101)  hexachlorobutadiene
                      0.784 0.729 0.738 0.626 0.706       0.729 0.859  0.739    9.63
102)  naphthalene
                      1.278 2.104 2.291 2.338 2.415       1.936 1.754  2.016   19.89
103)  1,2,3-trichlorobenzene
                      0.845 0.946 0.989 0.989 1.038       0.913 0.957  0.954    6.51
104)  2-methylnaphthalene
```

Initial Calibration Summary

Job Number: MC27146 **Sample:** MSN3086-ICC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82695.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                          0.545 0.748 0.881 1.021       0.458 0.560  0.702   31.26
            ---- Linear regression ----  Coefficient =  0.9947
              Response Ratio = -0.19719 + 1.04696 *A

105)  1-methylnaphthalene
                       0.654 0.670 0.802 0.849 0.909       0.522 0.564  0.710   20.65
            ---- Linear regression ----  Coefficient =  0.9985
              Response Ratio = -0.08090 + 0.91879 *A

 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           n131125w.m        Tue Nov 26 10:23:19 2013
```

Initial Calibration Verification

Job Number: MC27146 **Sample:** MSN3086-ICV3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82701.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\N131125\N82701.D Vial: 32
Acq On : 25 Nov 2013 6:06 pm Operator: jaclynb
Sample : icv3086-50 Inst : MSN
Misc : ms30628,MSN3086,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\n131125w.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Nov 26 10:17:34 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	p	tert butyl alcohol-d9	500.000	500.000	0.0	82	0.00	6.77
2	P	tertiary butyl alcohol	500.000	575.579	-15.1	97	0.00	6.85
3	p	Ethanol	5000.000	5425.345	-8.5	90	0.00	5.62
4	I	pentafluorobenzene	50.000	50.000	0.0	98	0.00	9.21
5	p	dichlorodifluoromethane	50.000	38.720	22.6#	81	0.00	4.42
6	P	chloromethane	50.000	42.258	15.5	98	0.00	4.68
7	p	vinyl chloride	50.000	40.788	18.4	88	0.00	4.93
8	p	bromomethane	50.000	49.804	0.4	97	0.00	5.45
9	p	chloroethane	50.000	54.801	-9.6	110	0.00	5.62
10	p	ethyl ether	50.000	45.014	10.0	95	0.00	6.51
11	p	acetonitrile	50.000	0.000	100.0#	0	0.00	6.17
12	p	trichlorofluoromethane	50.000	46.034	7.9	94	0.00	6.27
13	p	freon-113	50.000	48.760	2.5	97	0.00	7.05
14	p	acrolein	250.000	208.55	16.6	85	0.00	6.27
15	p	1,1-dichloroethene	50.000	55.770	-11.5	95	0.00	6.87
16	p	acetone	50.000	37.118	25.8#	71	0.00	6.40
17	M	Methyl Acetate	50.000	36.920	26.2#	73	0.00	7.04
18	p	methylene chloride	50.000	45.663	8.7	96	0.00	7.01
19	p	methyl tert butyl ether	50.000	42.593	14.8	93	0.00	7.80
20	p	acrylonitrile	50.000	46.440	7.1	98	0.00	6.91
21	p	allyl chloride	50.000	48.978	2.0	92	0.00	7.11
22	p	trans-1,2-dichloroethene	50.000	46.680	6.6	100	0.00	7.71
		----------	Amount	Calc.	%Drift		----------	
23	p	iodomethane	50.000	40.943	18.1	88	0.00	6.93
		----------	Amount	Calc.	%Drift		----------	
24	p	carbon disulfide	50.000	46.771	6.5	91	0.00	7.30
		----------	Amount	Calc.	%Drift		----------	
25	p	propionitrile	50.000	65.140	-30.3#	111	0.00	6.84
		----------	Amount	Calc.	%Drift		----------	
26	p	vinyl acetate	50.000	36.920	26.2#	73	0.00	7.04
27	p	chloroprene	50.000	53.406	-6.8	102	0.00	8.33
28	p	di-isopropyl ether	50.000	46.750	6.5	93	0.00	8.35
29	p	methacrylonitrile	50.000	45.585	8.8	92	0.00	8.48
30	p	2-butanone	50.000	46.323	7.4	85	0.00	8.37
31	p	Hexane	50.000	46.182	7.6	89	0.00	8.34
32	P	1,1-dichloroethane	50.000	46.329	7.3	98	0.00	7.96
33	p	tert-butyl ethyl ether	50.000	41.919	16.2	95	0.00	8.75

Initial Calibration Verification

Job Number: MC27146 **Sample:** MSN3086-ICV3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82701.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

34	p	isobutyl alcohol	250.000	231.552	7.4	91	0.00	8.35
35	p	2,2-dichloropropane	50.000	47.201	5.6	93	0.00	8.82
36	p	cis-1,2-dichloroethene	50.000	44.887	10.2	97	0.00	8.53
37	p	ethyl acetate	50.000	45.104	9.8	89	0.00	8.35
38	p	bromochloromethane	50.000	49.770	0.5	98	0.00	8.70
39	p	chloroform	50.000	46.259	7.5	96	0.00	8.74
40	S	dibromofluoromethane (s)	50.000	50.436	-0.9	98	0.00	8.86
41	p	Tetrahydrofuran	50.000	44.079	11.8	90	0.00	9.06
42	p	1,1,1-trichloroethane	50.000	51.999	-4.0	96	0.00	9.49
43	I	1,4-difluorobenzene	50.000	50.000	0.0	97	0.00	10.08
44	p	Cyclohexane	50.000	47.293	5.4	89	0.00	9.77
45	p	carbon tetrachloride	50.000	53.484	-7.0	95	0.00	9.86
46	p	1,1-dichloropropene	50.000	51.637	-3.3	98	0.00	9.67
47	p	benzene	50.000	46.028	7.9	96	0.00	9.89
48	p	1,2-dichloroethane	50.000	47.019	6.0	96	0.00	9.39
49	p	tert-amyl methyl ether	50.000	44.612	10.8	94	0.00	10.00
50	p	heptane	50.000	42.833	14.3	86	0.00	10.35
51	p	trichloroethene	50.000	47.411	5.2	95	0.00	10.51
52	p	1,2-dichloropropane	50.000	48.483	3.0	96	0.00	10.47
53	p	dibromomethane	50.000	48.142	3.7	98	0.00	10.45
54	p	bromodichloromethane	50.000	48.198	3.6	98	0.00	10.56
55	p	Methylcyclohexane	50.000	49.838	0.3	97	0.00	11.02
56	p	2-chloroethyl vinyl ether	50.000	0.000	100.0#	0	0.00	10.08
57	p	methyl methacrylate	50.000	47.444	5.1	95	0.00	10.65
58	p	1,4-dioxane	250.000	251.809	-0.7	94	0.00	10.66
59	p	cis-1,3-dichloropropene	50.000	48.029	3.9	92	0.00	11.17
60	S	toluene-d8 (s)	50.000	52.003	-4.0	100	0.00	11.88
61	p	4-methyl-2-pentanone	50.000	48.041	3.9	96	0.00	11.26
62	p	toluene	50.000	49.268	1.5	98	0.00	11.95
63	p	trans-1,3-dichloropropene	50.000	51.157	-2.3	101	0.00	11.59
64	p	1,1,2-trichloroethane	50.000	48.460	3.1	99	0.00	11.76
65	p	ethyl methacrylate	50.000	48.703	2.6	96	0.00	11.96
66	I	chlorobenzene-d5	50.000	50.000	0.0	102	0.00	13.34
67	p	tetrachloroethene	50.000	44.560	10.9	99	0.00	12.69
68	p	1,3-dichloropropane	50.000	45.697	8.6	96	0.00	12.00
69	p	dibromochloromethane	50.000	47.116	5.8	100	0.00	12.29
70	p	1,2-dibromoethane	50.000	45.055	9.9	95	0.00	12.55
71	p	2-hexanone	50.000	46.282	7.4	93	0.00	12.12
72	P	chlorobenzene	50.000	43.816	12.4	94	0.00	13.37
73	p	1,1,1,2-tetrachloroethane	50.000	47.201	5.6	103	0.00	13.29
74	p	ethylbenzene	50.000	46.999	6.0	101	0.00	13.54
75	p	m,p-xylene	100.000	90.453	9.5	97	0.00	13.73
76	p	o-xylene	50.000	44.493	11.0	96	0.00	14.14
77	p	styrene	50.000	49.451	1.1	99	0.00	14.07
78	P	bromoform	50.000	46.829	6.3	98	0.00	13.90
79	p	trans-1,4-dichloro-2-bute	50.000	45.258	9.5	95	0.00	14.29
80	I	1,4-dichlorobenzene-d4	50.000	50.000	0.0	100	0.00	15.89
81	p	isopropylbenzene	50.000	47.597	4.8	98	0.00	14.50
82	S	bromofluorobenzene (s)	50.000	48.466	3.1	99	0.00	14.56
83	p	bromobenzene	50.000	47.468	5.1	101	0.00	14.79
84	P	1,1,2,2-tetrachloroethane	50.000	46.187	7.6	103	0.00	14.14
85	p	1,2,3-trichloropropane	50.000	47.703	4.6	101	0.00	14.29
86	p	n-propylbenzene	50.000	46.531	6.9	94	0.00	14.94
87	p	2-chlorotoluene	50.000	46.056	7.9	96	0.00	15.07
88	p	4-chlorotoluene	50.000	48.214	3.6	99	0.00	15.14
89	p	1,3,5-trimethylbenzene	50.000	46.456	7.1	99	0.00	15.22
90	p	tert-butylbenzene	50.000	48.694	2.6	98	0.00	15.53

Initial Calibration Verification

Job Number: MC27146 **Sample:** MSN3086-ICV3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82701.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

91	p	1,2,4-trimethylbenzene	50.000	45.987	8.0	99	0.00	15.63
92	M	sec-butylbenzene	50.000	49.370	1.3	99	0.00	15.75
93	p	1,3-dichlorobenzene	50.000	46.611	6.8	100	0.00	15.86
94	p	p-isopropyltoluene	50.000	51.420	-2.8	103	0.00	15.92
95	p	1,4-dichlorobenzene	50.000	48.501	3.0	104	0.00	15.92
96	p	1,2-dichlorobenzene	50.000	45.720	8.6	100	0.00	16.29
97	p	n-butylbenzene	50.000	51.873	-3.7	102	0.00	16.33
98	p	1,2-dibromo-3-chloropropa	50.000	46.192	7.6	98	0.00	16.76
99	p	1,2,4-trichlorobenzene	50.000	51.516	-3.0	103	0.00	18.12
100	p	1,3,5-trichlorobenzene	50.000	49.762	0.5	102	0.00	17.57
101	p	hexachlorobutadiene	50.000	53.133	-6.3	108	0.00	18.41
102	p	naphthalene	50.000	52.798	-5.6	101	0.00	18.39
103	p	1,2,3-trichlorobenzene	50.000	50.045	-0.1	101	0.00	18.60
104	p	2-methylnaphthalene	25.000	23.752	5.0	110	0.00	19.79
105	p	1-methylnaphthalene	25.000	23.212	7.2	103	0.00	20.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N82695.D n131125w.m Tue Nov 26 10:23:33 2013

Continuing Calibration Summary

Job Number: MC27146 **Sample:** MSN3110-CC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N83319.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\N131216\N83319.D Vial: 42
Acq On : 16 Dec 2013 9:06 pm Operator: jaclynb
Sample : cc3086-50 Inst : MSN
Misc : ms30790,MSN3110,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\n131125w.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Nov 26 10:17:34 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	p	tert butyl alcohol-d9	1.000	1.000	0.0	101	0.00	6.77
2	P	tertiary butyl alcohol	1.323	1.380	-4.3	109	0.00	6.85
3	p	Ethanol	0.197	0.220	-11.7	115	0.00	5.62
4	I	pentafluorobenzene	1.000	1.000	0.0	117	0.00	9.21
5	p	dichlorodifluoromethane	0.697	0.675	3.2	121	0.00	4.43
6	P	chloromethane	0.682	0.650	4.7	132	0.00	4.68
7	p	vinyl chloride	0.839	0.782	6.8	120	0.00	4.93
8	p	bromomethane	0.303	0.328	-8.3	126	0.00	5.45
9	p	chloroethane	0.362	0.354	2.2	117	0.00	5.62
10	p	ethyl ether	0.514	0.490	4.7	119	0.00	6.51
11	p	acetonitrile	0.000	0.086	0.0	0#	0.00	6.17
12	p	trichlorofluoromethane	0.949	0.854	10.0	110	0.00	6.27
13	p	freon-113	0.530	0.509	4.0	114	0.00	7.05
14	p	acrolein	0.117	0.115	1.7	117	0.00	6.26
			Amount	Calc.	%Drift			
15	p	1,1-dichloroethene	50.000	53.929	-7.9	110	0.00	6.86
16	p	acetone	50.000	49.019	2.0	103	0.00	6.40
			AvgRF	CCRF	%Dev			
17	M	Methyl Acetate	0.845	0.818	3.2	113	0.00	7.04
18	p	methylene chloride	0.592	0.548	7.4	116	0.00	7.01
19	p	methyl tert butyl ether	1.235	1.109	10.2	117	0.00	7.79
20	p	acrylonitrile	0.222	0.216	2.7	116	0.00	6.92
21	p	allyl chloride	0.850	0.896	-5.4	118	0.00	7.11
22	p	trans-1,2-dichloroethene	0.543	0.494	9.0	116	0.00	7.71
			Amount	Calc.	%Drift			
23	p	iodomethane	50.000	46.451	7.1	122	0.00	6.93
			AvgRF	CCRF	%Dev			
24	p	carbon disulfide	1.672	1.567	6.3	108	0.00	7.30
			Amount	Calc.	%Drift			
25	p	propionitrile	50.000	59.523	-19.0	123	-0.01	6.84
			AvgRF	CCRF	%Dev			
26	p	vinyl acetate	0.845	0.818	3.2	113	0.00	7.04
27	p	chloroprene	0.880	0.887	-0.8	115	0.00	8.33
28	p	di-isopropyl ether	2.072	2.064	0.4	118	0.00	8.35
29	p	methacrylonitrile	0.359	0.337	6.1	113	0.00	8.48

Continuing Calibration Summary

Job Number: MC27146 **Sample:** MSN3110-CC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N83319.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

30	p	2-butanone	0.063	0.063#	0.0	110	0.00	8.37
31	p	Hexane	0.921	0.903	2.0	113	0.00	8.34
32	P	1,1-dichloroethane	1.144	1.053	8.0	116	0.00	7.96
		----------	Amount	Calc.	%Drift	----------		
33	p	tert-butyl ethyl ether	50.000	43.118	13.8	117	0.00	8.75
		----------	AvgRF	CCRF	%Dev	----------		
34	p	isobutyl alcohol	0.349	0.342	2.0	115	0.00	8.35
		----------	Amount	Calc.	%Drift	----------		
35	p	2,2-dichloropropane	50.000	50.392	-0.8	119	0.00	8.82
		----------	AvgRF	CCRF	%Dev	----------		
36	p	cis-1,2-dichloroethene	0.613	0.548	10.6	115	0.00	8.53
37	p	ethyl acetate	1.759	1.709	2.8	115	0.00	8.35
38	p	bromochloromethane	0.260	0.250	3.8	113	0.00	8.70
39	p	chloroform	1.056	0.955	9.6	112	0.00	8.74
40	S	dibromofluoromethane (s)	0.489	0.446	8.8	106	0.00	8.86
41	p	Tetrahydrofuran	0.162	0.155	4.3	117	0.00	9.06
42	p	1,1,1-trichloroethane	0.768	0.798	-3.9	114	0.00	9.49
43	I	1,4-difluorobenzene	1.000	1.000	0.0	115	0.00	10.09
44	p	Cyclohexane	0.680	0.733	-7.8	119	0.00	9.77
45	p	carbon tetrachloride	0.409	0.441	-7.8	114	0.00	9.85
46	p	1,1-dichloropropene	0.467	0.483	-3.4	116	0.00	9.66
47	p	benzene	1.519	1.424	6.3	116	0.00	9.89
48	p	1,2-dichloroethane	0.542	0.501	7.6	112	0.00	9.39
49	p	tert-amyl methyl ether	0.637	0.571	10.4	111	0.00	10.00
50	p	heptane	0.479	0.479	0.0	118	0.00	10.35
51	p	trichloroethene	0.392	0.385	1.8	116	0.00	10.51
52	p	1,2-dichloropropane	0.426	0.428	-0.5	118	0.00	10.47
53	p	dibromomethane	0.231	0.220	4.8	114	0.00	10.45
54	p	bromodichloromethane	0.524	0.496	5.3	113	0.00	10.56
55	p	Methylcyclohexane	0.651	0.664	-2.0	117	0.00	11.02
56	p	2-chloroethyl vinyl ether	0.000	0.238	0.0	0#	0.00	10.08
57	p	methyl methacrylate	0.226	0.224	0.9	118	0.00	10.64
58	p	1,4-dioxane	0.004	0.003#	25.0#	100	-0.01	10.64
59	p	cis-1,3-dichloropropene	0.556	0.573	-3.1	117	0.00	11.17
60	S	toluene-d8 (s)	1.207	1.195	1.0	112	0.00	11.88
61	p	4-methyl-2-pentanone	0.352	0.353	-0.3	118	0.00	11.26
62	p	toluene	0.863	0.846	2.0	115	0.00	11.95
63	p	trans-1,3-dichloropropene	0.464	0.458	1.3	115	0.00	11.59
64	p	1,1,2-trichloroethane	0.295	0.286	3.1	117	0.00	11.77
65	p	ethyl methacrylate	0.413	0.413	0.0	117	0.00	11.96
66	I	chlorobenzene-d5	1.000	1.000	0.0	113	0.00	13.34
67	p	tetrachloroethene	0.747	0.721	3.5	118	0.00	12.69
68	p	1,3-dichloropropane	1.046	1.046	0.0	116	0.00	12.00
69	p	dibromochloromethane	0.690	0.681	1.3	116	0.00	12.29
70	p	1,2-dibromoethane	0.615	0.616	-0.2	117	0.00	12.55
71	p	2-hexanone	0.438	0.467	-6.6	118	0.00	12.12
72	P	chlorobenzene	1.833	1.810	1.3	117	0.00	13.37
73	p	1,1,1,2-tetrachloroethane	0.622	0.612	1.6	118	0.00	13.29
74	p	ethylbenzene	3.263	3.229	1.0	117	0.00	13.54
75	p	m,p-xylene	1.280	1.259	1.6	116	0.00	13.73
76	p	o-xylene	1.282	1.250	2.5	116	0.00	14.14
77	p	styrene	1.854	1.934	-4.3	116	0.00	14.07
78	P	bromoform	0.462	0.480	-3.9	120	0.00	13.90
79	p	trans-1,4-dichloro-2-bute	0.168	0.173	-3.0	119	0.00	14.29

Continuing Calibration Summary

Job Number: MC27146 **Sample:** MSN3110-CC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N83319.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	112	0.00	15.89
81	p	isopropylbenzene	3.777	3.892	-3.0	118	0.00	14.50
82	S	bromofluorobenzene (s)	1.057	1.005	4.9	108	0.00	14.56
83	p	bromobenzene	0.891	0.886	0.6	118	0.00	14.79
84	P	1,1,2,2-tetrachloroethane	0.992	0.957	3.5	119	0.00	14.14
85	p	1,2,3-trichloropropane	0.944	0.957	-1.4	120	0.00	14.29
86	p	n-propylbenzene	4.569	4.734	-3.6	117	0.00	14.94
87	p	2-chlorotoluene	2.789	2.826	-1.3	117	0.00	15.07
88	p	4-chlorotoluene	2.785	2.856	-2.5	117	0.00	15.14
89	p	1,3,5-trimethylbenzene	3.386	3.357	0.9	118	0.00	15.22
90	p	tert-butylbenzene	1.947	2.040	-4.8	117	0.00	15.52
91	p	1,2,4-trimethylbenzene	3.281	3.277	0.1	119	0.00	15.63
92	M	sec-butylbenzene	4.346	4.596	-5.8	119	0.00	15.75
93	p	1,3-dichlorobenzene	1.801	1.816	-0.8	121	0.00	15.86
94	p	p-isopropyltoluene	3.344	3.592	-7.4	120	0.00	15.92
95	p	1,4-dichlorobenzene	1.752	1.743	0.5	119	0.00	15.92
96	p	1,2-dichlorobenzene	1.757	1.734	1.3	120	0.00	16.29
97	p	n-butylbenzene	3.284	3.605	-9.8	120	0.00	16.33
98	p	1,2-dibromo-3-chloropropa	0.161	0.166	-3.1	122	0.00	16.77
99	p	1,2,4-trichlorobenzene	0.992	1.153	-16.2	130	0.00	18.12
100	p	1,3,5-trichlorobenzene	1.230	1.346	-9.4	125	0.00	17.57
101	p	hexachlorobutadiene	0.739	0.813	-10.0	124	0.00	18.41
102	p	naphthalene	2.016	2.429	-20.5#	129	0.00	18.39
103	p	1,2,3-trichlorobenzene	0.954	1.082	-13.4	128	0.00	18.60

			Amount	Calc.	%Drift			
104	p	2-methylnaphthalene	25.000	29.708	-18.8	174	0.00	19.79
105	p	1-methylnaphthalene	25.000	28.843	-15.4	149	0.00	20.04

(#) = Out of Range SPCC's out = 2 CCC's out = 0
N82695.D n131125w.m Tue Dec 17 08:36:39 2013

Continuing Calibration Summary

Job Number: MC27146 **Sample:** MSN3110-CC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N83330.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\N131217\N83330.D Vial: 17
Acq On : 17 Dec 2013 9:09 am Operator: jaclynb
Sample : cc3086-50 Inst : MSN
Misc : ms30770,MSN3110,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\n131125w.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Nov 26 10:17:34 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	p	tert butyl alcohol-d9	1.000	1.000	0.0	98	0.00	6.77
2	P	tertiary butyl alcohol	1.323	1.328	-0.4	101	0.00	6.86
3	p	Ethanol	0.197	0.214	-8.6	108	0.00	5.61
4	I	pentafluorobenzene	1.000	1.000	0.0	112	0.00	9.21
5	p	dichlorodifluoromethane	0.697	0.611	12.3	105	0.00	4.42
6	P	chloromethane	0.682	0.544	20.2#	106	0.00	4.68
7	p	vinyl chloride	0.839	0.725	13.6	106	0.00	4.94
8	p	bromomethane	0.303	0.323	-6.6	119	0.00	5.45
9	p	chloroethane	0.362	0.332	8.3	106	0.00	5.62
10	p	ethyl ether	0.514	0.476	7.4	111	0.00	6.51
11	p	acetonitrile	0.000	0.091	0.0	0#	0.00	6.17
12	p	trichlorofluoromethane	0.949	0.786	17.2	97	0.00	6.27
13	p	freon-113	0.530	0.509	4.0	109	0.00	7.05
14	p	acrolein	0.117	0.093	20.5#	91	0.00	6.26
		----------	Amount	Calc.	%Drift		----------	
15	p	1,1-dichloroethene	50.000	52.006	-4.0	102	0.00	6.87
16	p	acetone	50.000	34.931	30.1#	77	0.00	6.40
		----------	AvgRF	CCRF	%Dev		----------	
17	M	Methyl Acetate	0.845	0.788	6.7	105	0.00	7.04
18	p	methylene chloride	0.592	0.533	10.0	108	0.00	7.01
19	p	methyl tert butyl ether	1.235	1.076	12.9	109	0.00	7.79
20	p	acrylonitrile	0.222	0.216	2.7	111	0.00	6.91
21	p	allyl chloride	0.850	0.877	-3.2	111	0.00	7.11
22	p	trans-1,2-dichloroethene	0.543	0.480	11.6	108	0.00	7.71
		----------	Amount	Calc.	%Drift		----------	
23	p	iodomethane	50.000	41.191	17.6	102	0.00	6.93
		----------	AvgRF	CCRF	%Dev		----------	
24	p	carbon disulfide	1.672	1.508	9.8	100	0.00	7.30
		----------	Amount	Calc.	%Drift		----------	
25	p	propionitrile	50.000	53.673	-7.3	110	-0.01	6.84
		----------	AvgRF	CCRF	%Dev		----------	
26	p	vinyl acetate	0.845	0.788	6.7	105	0.00	7.04
27	p	chloroprene	0.880	0.866	1.6	107	0.00	8.33
28	p	di-isopropyl ether	2.072	2.055	0.8	113	0.00	8.35
29	p	methacrylonitrile	0.359	0.343	4.5	111	0.00	8.48

Continuing Calibration Summary

Job Number: MC27146 **Sample:** MSN3110-CC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N83330.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

30	p	2-butanone	0.063	0.053#	15.9	89	0.00	8.37
31	p	Hexane	0.921	0.916	0.5	110	0.00	8.34
32	P	1,1-dichloroethane	1.144	1.037	9.4	110	0.00	7.96
		----------	Amount	Calc.	%Drift	----------		
33	p	tert-butyl ethyl ether	50.000	42.809	14.4	111	0.00	8.75
		----------	AvgRF	CCRF	%Dev	----------		
34	p	isobutyl alcohol	0.349	0.341	2.3	110	0.00	8.35
		----------	Amount	Calc.	%Drift	----------		
35	p	2,2-dichloropropane	50.000	52.517	-5.0	119	0.00	8.82
		----------	AvgRF	CCRF	%Dev	----------		
36	p	cis-1,2-dichloroethene	0.613	0.527	14.0	106	0.00	8.53
37	p	ethyl acetate	1.759	1.706	3.0	110	0.00	8.35
38	p	bromochloromethane	0.260	0.252	3.1	110	0.00	8.70
39	p	chloroform	1.056	0.939	11.1	105	0.00	8.74
40	S	dibromofluoromethane (s)	0.489	0.437	10.6	100	0.00	8.86
41	p	Tetrahydrofuran	0.162	0.152	6.2	110	0.00	9.06
42	p	1,1,1-trichloroethane	0.768	0.774	-0.8	107	0.00	9.49
43	I	1,4-difluorobenzene	1.000	1.000	0.0	109	0.00	10.09
44	p	Cyclohexane	0.680	0.727	-6.9	113	0.00	9.77
45	p	carbon tetrachloride	0.409	0.433	-5.9	106	0.00	9.85
46	p	1,1-dichloropropene	0.467	0.470	-0.6	107	0.00	9.66
47	p	benzene	1.519	1.427	6.1	111	0.00	9.89
48	p	1,2-dichloroethane	0.542	0.489	9.8	104	0.00	9.39
49	p	tert-amyl methyl ether	0.637	0.566	11.1	105	0.00	10.00
50	p	heptane	0.479	0.513	-7.1	121	0.00	10.35
51	p	trichloroethene	0.392	0.373	4.8	107	0.00	10.51
52	p	1,2-dichloropropane	0.426	0.436	-2.3	114	0.00	10.47
53	p	dibromomethane	0.231	0.219	5.2	108	0.00	10.45
54	p	bromodichloromethane	0.524	0.501	4.4	109	0.00	10.56
55	p	Methylcyclohexane	0.651	0.670	-2.9	112	0.00	11.02
56	p	2-chloroethyl vinyl ether	0.000	0.236	0.0	0#	0.00	10.08
57	p	methyl methacrylate	0.226	0.216	4.4	108	0.00	10.65
58	p	1,4-dioxane	0.004	0.003#	25.0#	99	-0.01	10.64
59	p	cis-1,3-dichloropropene	0.556	0.579	-4.1	113	0.00	11.17
60	S	toluene-d8 (s)	1.207	1.224	-1.4	109	0.00	11.88
61	p	4-methyl-2-pentanone	0.352	0.352	0.0	113	0.00	11.26
62	p	toluene	0.863	0.850	1.5	110	0.00	11.95
63	p	trans-1,3-dichloropropene	0.464	0.474	-2.2	113	0.00	11.59
64	p	1,1,2-trichloroethane	0.295	0.286	3.1	111	0.00	11.76
65	p	ethyl methacrylate	0.413	0.411	0.5	111	0.00	11.96
66	I	chlorobenzene-d5	1.000	1.000	0.0	112	0.00	13.34
67	p	tetrachloroethene	0.747	0.710	5.0	114	0.00	12.69
68	p	1,3-dichloropropane	1.046	0.993	5.1	109	0.00	12.00
69	p	dibromochloromethane	0.690	0.659	4.5	111	0.00	12.29
70	p	1,2-dibromoethane	0.615	0.594	3.4	111	0.00	12.55
71	p	2-hexanone	0.438	0.419	4.3	104	0.00	12.11
72	P	chlorobenzene	1.833	1.736	5.3	111	0.00	13.37
73	p	1,1,1,2-tetrachloroethane	0.622	0.614	1.3	117	0.00	13.29
74	p	ethylbenzene	3.263	3.104	4.9	111	0.00	13.54
75	p	m,p-xylene	1.280	1.218	4.8	111	0.00	13.73
76	p	o-xylene	1.282	1.219	4.9	112	0.00	14.14
77	p	styrene	1.854	1.883	-1.6	111	0.00	14.07
78	P	bromoform	0.462	0.466	-0.9	115	0.00	13.90
79	p	trans-1,4-dichloro-2-bute	0.168	0.168	0.0	114	0.00	14.29

Continuing Calibration Summary

Job Number: MC27146 **Sample:** MSN3110-CC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N83330.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	109	0.00	15.89
81	p	isopropylbenzene	3.777	3.857	-2.1	114	0.00	14.50
82	S	bromofluorobenzene (s)	1.057	1.000	5.4	106	0.00	14.56
83	p	bromobenzene	0.891	0.887	0.4	116	0.00	14.79
84	P	1,1,2,2-tetrachloroethane	0.992	0.937	5.5	114	0.00	14.14
85	p	1,2,3-trichloropropane	0.944	0.955	-1.2	117	0.00	14.29
86	p	n-propylbenzene	4.569	4.670	-2.2	113	0.00	14.94
87	p	2-chlorotoluene	2.789	2.764	0.9	112	0.00	15.07
88	p	4-chlorotoluene	2.785	2.754	1.1	111	0.00	15.14
89	p	1,3,5-trimethylbenzene	3.386	3.288	2.9	114	0.00	15.22
90	p	tert-butylbenzene	1.947	1.985	-2.0	112	0.00	15.53
91	p	1,2,4-trimethylbenzene	3.281	3.205	2.3	114	0.00	15.63
92	M	sec-butylbenzene	4.346	4.554	-4.8	115	0.00	15.75
93	p	1,3-dichlorobenzene	1.801	1.778	1.3	116	0.00	15.86
94	p	p-isopropyltoluene	3.344	3.486	-4.2	114	0.00	15.92
95	p	1,4-dichlorobenzene	1.752	1.739	0.7	116	0.00	15.92
96	p	1,2-dichlorobenzene	1.757	1.732	1.4	117	0.00	16.29
97	p	n-butylbenzene	3.284	3.534	-7.6	116	0.00	16.33
98	p	1,2-dibromo-3-chloropropa	0.161	0.162	-0.6	116	0.00	16.76
99	p	1,2,4-trichlorobenzene	0.992	1.098	-10.7	121	0.00	18.12
100	p	1,3,5-trichlorobenzene	1.230	1.314	-6.8	120	0.00	17.57
101	p	hexachlorobutadiene	0.739	0.784	-6.1	118	0.00	18.41
102	p	naphthalene	2.016	2.328	-15.5	121	0.00	18.39
103	p	1,2,3-trichlorobenzene	0.954	1.036	-8.6	120	0.00	18.60

			Amount	Calc.	%Drift			
104	p	2-methylnaphthalene	25.000	25.152	-0.6	132	0.00	19.79
105	p	1-methylnaphthalene	25.000	23.757	5.0	116	0.00	20.03

(#) = Out of Range SPCC's out = 2 CCC's out = 0
N82695.D n131125w.m Tue Dec 17 10:19:41 2013

New England ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83340.D
Acq On : 17 Dec 2013 1:48 pm
Operator : jaclynb
Sample : mc267146-1
Misc : ms30790,MSN3110,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 17 14:39:46 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

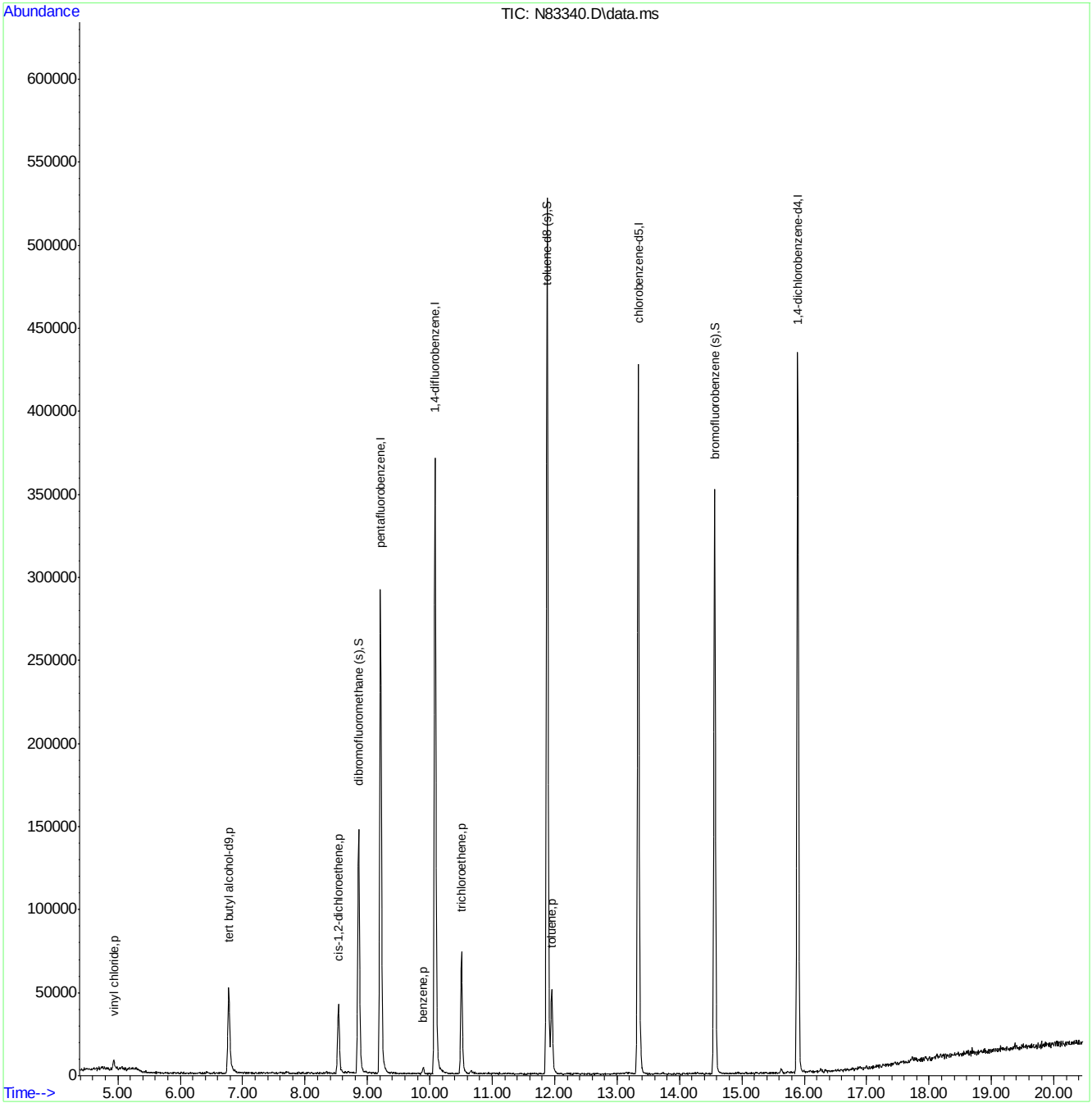
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.777	65	75034	500.00	ug/L	0.01
4) pentafluorobenzene	9.213	168	210594	50.00	ug/L	0.00
43) 1,4-difluorobenzene	10.086	114	312425	50.00	ug/L	0.00
66) chlorobenzene-d5	13.342	82	157951	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.898	152	125851	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.859	113	93580	45.46	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.92%			
60) toluene-d8 (s)	11.882	98	374479	49.63	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.26%			
82) bromofluorobenzene (s)	14.565	95	134659	50.63	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.26%			
Target Compounds						Qvalue
7) vinyl chloride	4.938	62	3235	0.92	ug/L	57
36) cis-1,2-dichloroethene	8.534	96	19180	7.42	ug/L	84
47) benzene	9.895	78	3627	0.38	ug/L	93
51) trichloroethene	10.503	95	28619	11.67	ug/L	91
62) toluene	11.956	92	21358	3.96	ug/L	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

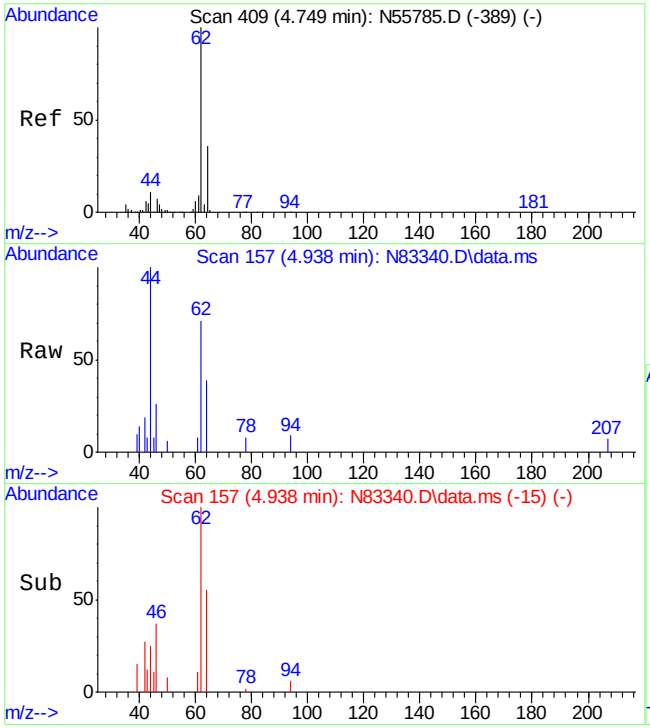
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83340.D
Acq On : 17 Dec 2013 1:48 pm
Operator : jaclynb
Sample : mc267146-1
Misc : ms30790,MSN3110,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 17 14:39:46 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



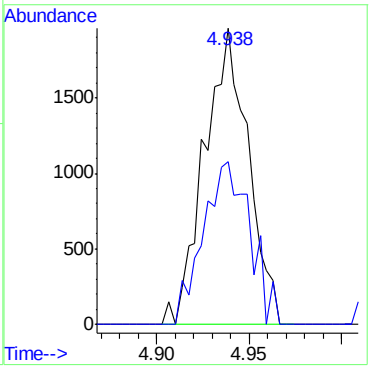
n131125w.m Tue Dec 17 14:39:56 2013 Page: 2

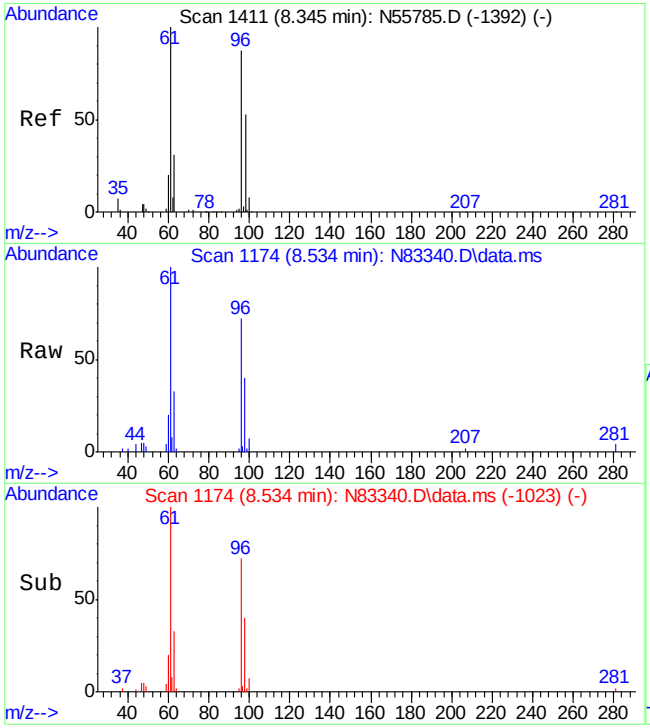


#7
vinyl chloride
Concen: 0.92 ug/L
RT: 4.938 min Scan# 157
Delta R.T. 0.003 min
Lab File: N83340.D
Acq: 17 Dec 2013 1:48 pm

Tgt Ion: 62 Resp: 3235

Ion	Ratio	Lower	Upper
62	100		
64	54.8	1.1	61.1

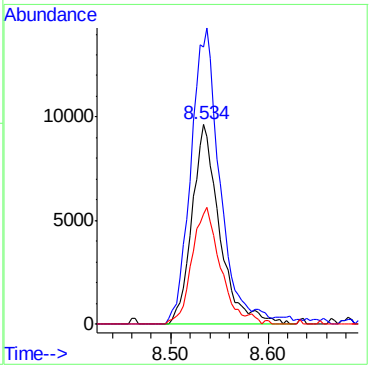


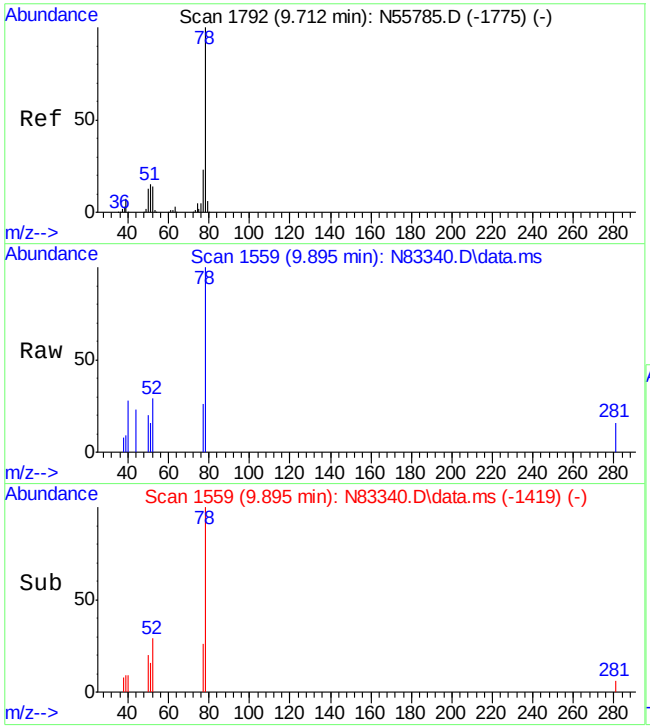


#36
cis-1,2-dichloroethene
Concen: 7.42 ug/L
RT: 8.534 min Scan# 1174
Delta R.T. 0.004 min
Lab File: N83340.D
Acq: 17 Dec 2013 1:48 pm

Tgt Ion: 96 Resp: 19180

Ion	Ratio	Lower	Upper
96	100		
61	138.8	131.2	191.2
98	55.2	36.1	96.1

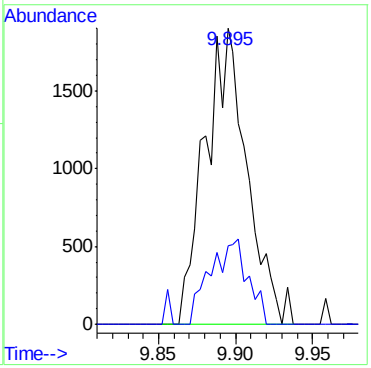


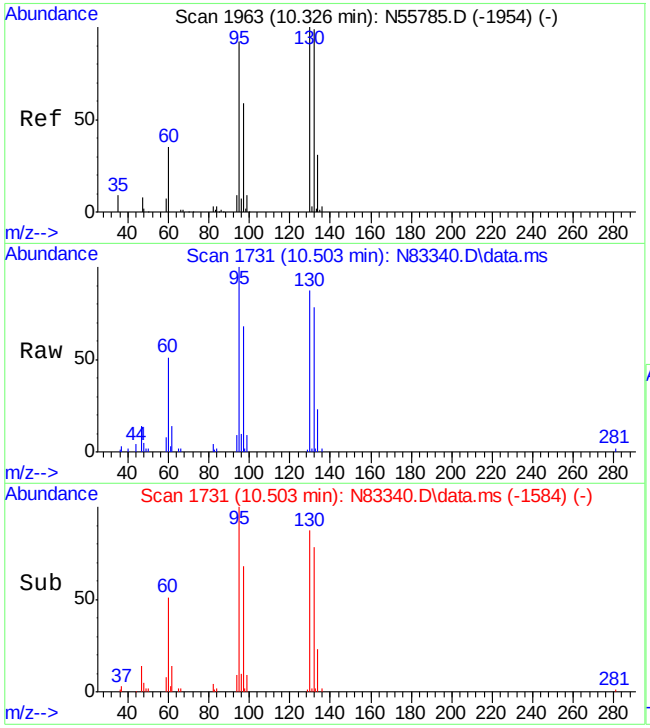


#47
benzene
Concen: 0.38 ug/L
RT: 9.895 min Scan# 1559
Delta R.T. 0.004 min
Lab File: N83340.D
Acq: 17 Dec 2013 1:48 pm

Tgt Ion: 78 Resp: 3627

Ion	Ratio	Lower	Upper
78	100		
77	26.5	0.0	52.9

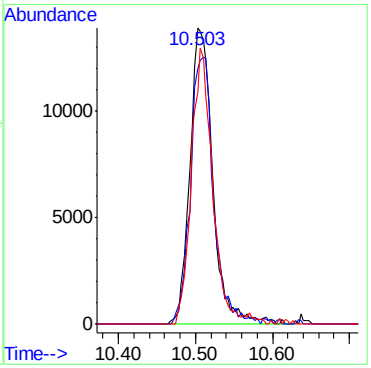


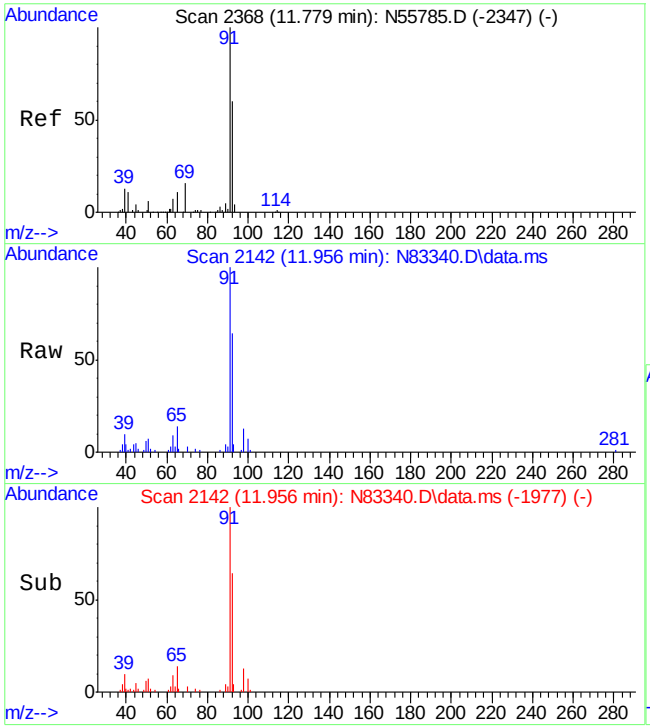


#51
trichloroethene
Concen: 11.67 ug/L
RT: 10.503 min Scan# 1731
Delta R.T. -0.000 min
Lab File: N83340.D
Acq: 17 Dec 2013 1:48 pm

Tgt Ion: 95 Resp: 28619

Ion	Ratio	Lower	Upper
95	100		
130	86.6	63.5	123.5
132	80.8	61.6	121.6

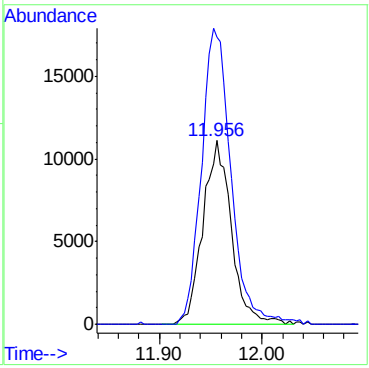




#62
toluene
Concen: 3.96 ug/L
RT: 11.956 min Scan# 2142
Delta R.T. 0.004 min
Lab File: N83340.D
Acq: 17 Dec 2013 1:48 pm

Tgt Ion: 92 Resp: 21358

Ion	Ratio	Lower	Upper
92	100		
91	156.2	140.8	200.8



7.1.1

7

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131217\
Data File : N83340.D
Acq On : 17 Dec 2013 1:48 pm
Operator : jaclynb
Sample : mc267146-1
Misc : ms30790,MSN3110,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 200 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

Signal : TIC: N83340.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.931	147	155	179	rVB8	5839	15633	1.61%	0.279%
2	5.069	179	194	317	rVB4	3973	66044	6.81%	1.180%
3	5.532	317	325	335	rBV3	953	1815	0.19%	0.032%
4	5.660	353	361	367	rVB2	1062	1300	0.13%	0.023%
5	5.900	423	429	457	rVV3	704	1882	0.19%	0.034%
6	6.052	457	472	475	rVV4	1113	1912	0.20%	0.034%
7	6.084	475	481	493	rVB2	655	1163	0.12%	0.021%
8	6.360	553	559	565	rBV4	824	727	0.07%	0.013%
9	6.416	565	575	597	rVB5	1351	3951	0.41%	0.071%
10	6.625	613	634	635	rVB4	928	2194	0.23%	0.039%
11	6.660	635	644	655	rBV3	1120	2315	0.24%	0.041%
12	6.777	661	677	743	rVB	51804	134052	13.83%	2.395%
13	7.293	819	823	843	rVB5	1006	2714	0.28%	0.048%
14	7.618	897	915	925	rVB6	1257	3646	0.38%	0.065%
15	7.699	931	938	967	rVB5	1361	3814	0.39%	0.068%
16	7.912	993	998	1011	rBV4	669	1171	0.12%	0.021%
17	8.025	1025	1030	1033	rBV3	1070	983	0.10%	0.018%
18	8.056	1033	1039	1065	rVB2	984	3151	0.33%	0.056%
19	8.198	1075	1079	1089	rVB4	787	743	0.08%	0.013%
20	8.297	1101	1107	1113	rBV3	904	756	0.08%	0.014%
21	8.350	1113	1122	1147	rVB5	1435	2873	0.30%	0.051%
22	8.537	1161	1175	1201	rBV3	41648	88093	9.09%	1.574%
23	8.696	1213	1220	1253	rVB6	1453	4149	0.43%	0.074%
24	8.859	1253	1266	1325	rVB	146768	302906	31.25%	5.412%
25	9.209	1349	1365	1407	rBV3	291344	584490	60.29%	10.443%
26	9.379	1407	1413	1431	rBV5	802	2081	0.21%	0.037%
27	9.513	1449	1451	1471	rVB3	840	1641	0.17%	0.029%
28	9.739	1509	1515	1521	rVB3	702	863	0.09%	0.015%
29	9.895	1547	1559	1579	rBV4	4372	9831	1.01%	0.176%
30	10.086	1599	1613	1675	rVB	371127	738248	76.15%	13.190%
31	10.372	1687	1694	1697	rBV3	678	412	0.04%	0.007%
32	10.404	1697	1703	1715	rVV2	464	365	0.04%	0.007%
33	10.506	1715	1732	1765	rVV3	73835	150733	15.55%	2.693%
34	10.666	1765	1777	1813	rVV5	2187	7544	0.78%	0.135%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131217\
Data File : N83340.D
Acq On : 17 Dec 2013 1:48 pm
Operator : jaclynb
Sample : mc267146-1
Misc : ms30790,MSN3110,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 200 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

35	10.810	1813	1818	1821	rVB3	590	613	0.06%	0.011%
36	10.899	1839	1843	1849	rVB2	844	652	0.07%	0.012%
37	10.938	1849	1854	1869	rBV2	1017	1462	0.15%	0.026%
38	11.019	1869	1877	1885	rBV3	730	1161	0.12%	0.021%
39	11.284	1949	1952	1957	rVB3	678	494	0.05%	0.009%
40	11.380	1973	1979	1987	rBV3	542	866	0.09%	0.015%
41	11.443	1987	1997	2001	rBV3	525	949	0.10%	0.017%
42	11.567	2027	2032	2041	rBV3	668	927	0.10%	0.017%
43	11.606	2041	2043	2045	rVB2	690	360	0.04%	0.006%
44	11.747	2077	2083	2089	rVB2	622	561	0.06%	0.010%
45	11.783	2089	2093	2105	rVB3	556	1092	0.11%	0.020%
46	11.882	2105	2121	2133	rBV	527719	969437	100.00%	17.321%
47	11.952	2133	2141	2169	rVB2	51103	111849	11.54%	1.998%
48	12.253	2223	2226	2237	rVB	733	849	0.09%	0.015%
49	12.302	2237	2240	2249	rBV3	979	1253	0.13%	0.022%
50	12.437	2267	2278	2279	rBV4	811	615	0.06%	0.011%
51	12.472	2279	2288	2289	rVB2	691	663	0.07%	0.012%
52	12.564	2299	2314	2317	rVB3	649	1095	0.11%	0.020%
53	12.624	2317	2331	2335	rBV	618	797	0.08%	0.014%
54	12.811	2365	2384	2385	rBV3	778	1812	0.19%	0.032%
55	12.826	2385	2388	2395	rBV2	454	562	0.06%	0.010%
56	12.963	2417	2427	2429	rBV2	559	726	0.07%	0.013%
57	13.144	2431	2478	2483	rVV4	881	3921	0.40%	0.070%
58	13.338	2517	2533	2575	rVB	427565	838472	86.49%	14.981%
59	13.501	2575	2579	2583	rBV2	625	260	0.03%	0.005%
60	13.610	2601	2610	2611	rBV2	627	609	0.06%	0.011%
61	13.656	2619	2623	2637	rVV2	438	511	0.05%	0.009%
62	13.738	2637	2646	2665	rVB4	1265	3199	0.33%	0.057%
63	13.865	2675	2682	2685	rVB2	656	815	0.08%	0.015%
64	13.914	2687	2696	2703	rVB2	709	1266	0.13%	0.023%
65	13.996	2703	2719	2727	rVB2	768	1949	0.20%	0.035%
66	14.056	2727	2736	2745	rBV2	764	1671	0.17%	0.030%
67	14.116	2745	2753	2757	rVB2	771	914	0.09%	0.016%
68	14.151	2757	2763	2771	rBV3	1043	1388	0.14%	0.025%
69	14.247	2771	2790	2791	rBV4	1319	2378	0.25%	0.042%
70	14.424	2833	2840	2849	rVB3	618	836	0.09%	0.015%
71	14.470	2849	2853	2855	rBV	630	236	0.02%	0.004%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131217\
Data File : N83340.D
Acq On : 17 Dec 2013 1:48 pm
Operator : jaclynb
Sample : mc267146-1
Misc : ms30790,MSN3110,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 200 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

72	14.491	2855	2859	2863	rVV2	702	533	0.05%	0.010%
73	14.561	2863	2879	2923	rVB	352382	645489	66.58%	11.533%
74	14.756	2923	2934	2943	rBV4	1035	2240	0.23%	0.040%
75	14.820	2943	2952	2953	rBV2	682	892	0.09%	0.016%
76	14.887	2967	2971	2975	rBV4	629	597	0.06%	0.011%
77	15.074	3015	3024	3041	rVB4	947	2626	0.27%	0.047%
78	15.148	3041	3045	3055	rBV2	1004	1028	0.11%	0.018%
79	15.219	3057	3065	3097	rVB5	1043	3415	0.35%	0.061%
80	15.488	3135	3141	3145	rBV3	1370	1290	0.13%	0.023%
81	15.629	3173	3181	3197	rVB5	3448	7097	0.73%	0.127%
82	15.732	3197	3210	3239	rBV5	1772	6417	0.66%	0.115%
83	15.894	3239	3256	3299	rBV	434375	795293	82.04%	14.210%
84	16.262	3299	3360	3377	rBV6	2240	11408	1.18%	0.204%
85	16.771	3461	3504	3511	rBV9	2943	17164	1.77%	0.307%

Sum of corrected areas: 5596904

LSC Report - Integrated Chromatogram

```
Data Path : C:\msdchem\1\data\N131217\
Data File : N83340.D
Acq On    : 17 Dec 2013   1:48 pm
Operator  : jaclynb
Sample    : mc267146-1
Misc      : ms30790,MSN3110,,,,5,1
ALS Vial  : 27   Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title  : SW-846 Method 8260

TIC Library   : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p
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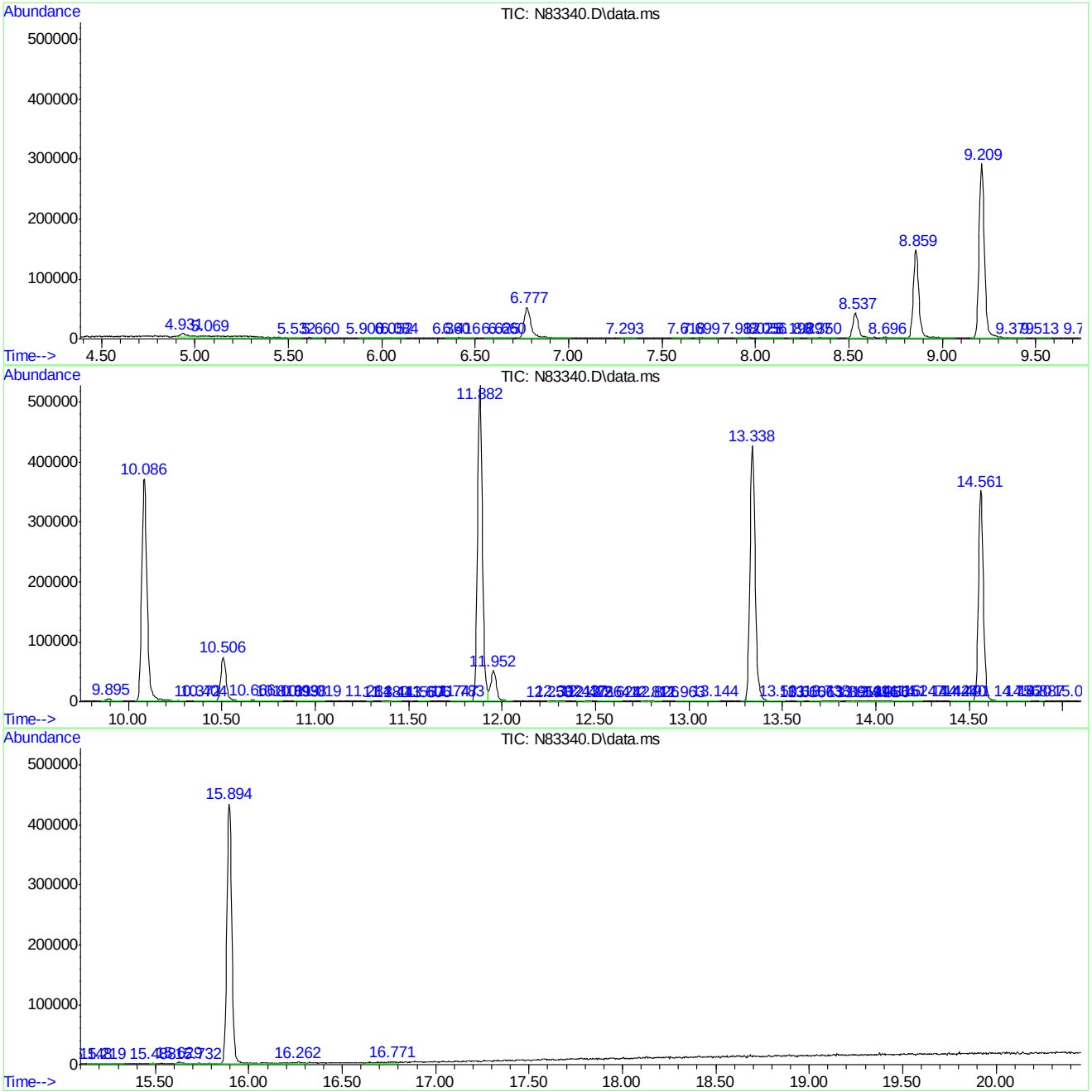


Library Search Compound Report

Data Path : C:\msdchem\1\data\N131217\
Data File : N83340.D
Acq On : 17 Dec 2013 1:48 pm
Operator : jaclynb
Sample : mc267146-1
Misc : ms30790,MSN3110,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\N131217\
Data File : N83340.D
Acq On : 17 Dec 2013 1:48 pm
Operator : jaclynb
Sample : mc267146-1
Misc : ms30790,MSN3110,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62378.D
Acq On : 21 Dec 2013 1:46 am
Operator : krystend
Sample : mc27146-2
Misc : MS30848,MSM2180,4.342,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 22 10:57:07 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

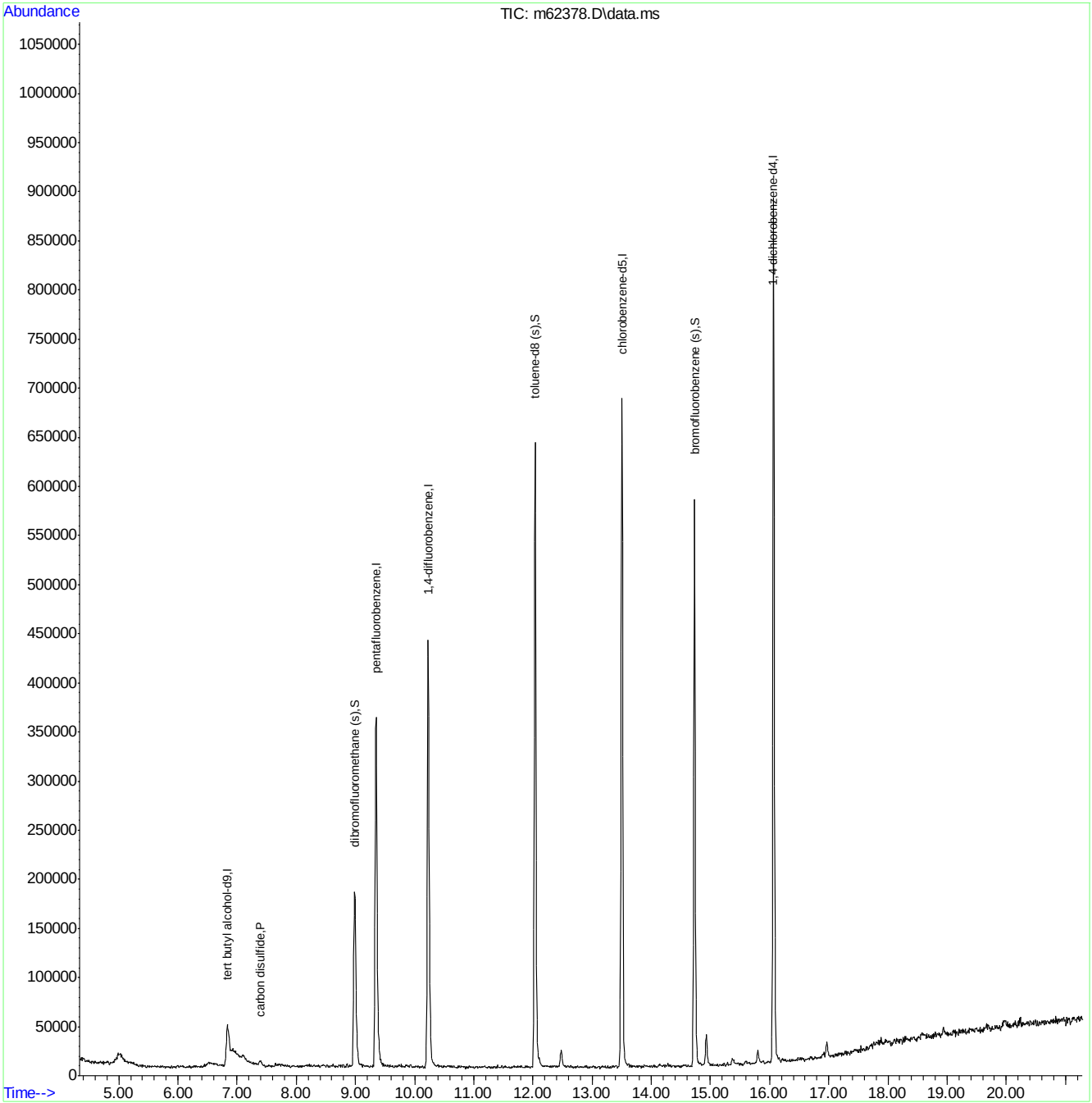
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	172079	500.00	ug/kg	-0.01
4) pentafluorobenzene	9.349	168	305797	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	448270	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	197349	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	273161	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	153747	57.47	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 114.94%			
59) toluene-d8 (s)	12.036	98	468275	59.71	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 119.42%			
81) bromofluorobenzene (s)	14.731	95	206170	55.12	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.24%			
Target Compounds						Qvalue
24) carbon disulfide	7.395	76	12827	1.83	ug/kg	95

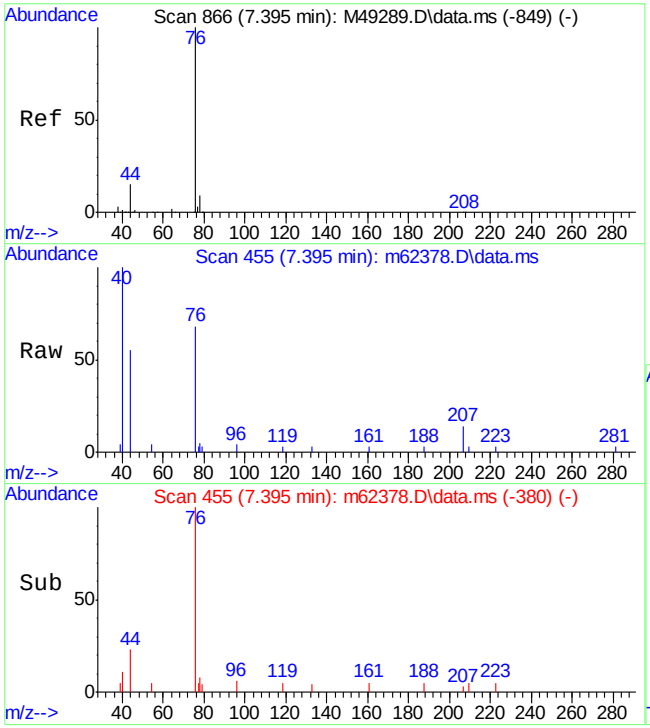
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62378.D
Acq On : 21 Dec 2013 1:46 am
Operator : krystend
Sample : mc27146-2
Misc : MS30848,MSM2180,4.342,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 22 10:57:07 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

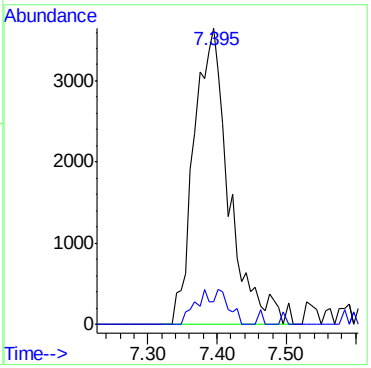




#24
carbon disulfide
Concen: 1.83 ug/kg
RT: 7.395 min Scan# 455
Delta R.T. 0.006 min
Lab File: m62378.D
Acq: 21 Dec 2013 1:46 am

Tgt Ion: 76 Resp: 12827

Ion	Ratio	Lower	Upper
76	100		
78	7.5	0.0	39.5



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62378.D
Acq On : 21 Dec 2013 1:46 am
Operator : krystend
Sample : mc27146-2
Misc : MS30848,MSM2180,4.342,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131219S.M
Title : SW-846 Method 8260

Signal : TIC: m62378.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.990	85	98	169	rVB8	14502	179283	11.19%	2.015%
2	6.001	235	248	251	rBV4	2064	6911	0.43%	0.078%
3	6.391	281	306	311	rBV5	2708	14696	0.92%	0.165%
4	6.519	319	325	361	rVB7	4816	40422	2.52%	0.454%
5	6.836	361	372	449	rVV2	42899	399568	24.93%	4.490%
6	7.388	449	454	489	rVV4	6164	27411	1.71%	0.308%
7	7.651	489	493	531	rVB8	4248	31787	1.98%	0.357%
8	7.947	531	537	549	rVB5	2274	9713	0.61%	0.109%
9	8.082	549	557	561	rBV4	2366	6453	0.40%	0.073%
10	8.453	605	612	619	rBV7	2821	10451	0.65%	0.117%
11	8.621	629	637	643	rBV5	3801	11070	0.69%	0.124%
12	8.864	669	673	677	rBV3	3638	6093	0.38%	0.068%
13	8.985	677	691	711	rVB	178937	506421	31.60%	5.691%
14	9.349	735	745	767	rVB	355685	876607	54.70%	9.850%
15	9.773	791	808	815	rBV6	3814	16290	1.02%	0.183%
16	9.874	815	823	827	rBV3	3026	6951	0.43%	0.078%
17	10.231	867	876	921	rBV	435698	1004375	62.67%	11.286%
18	10.730	921	950	955	rVV4	3292	24039	1.50%	0.270%
19	10.851	957	968	969	rVB2	2645	10315	0.64%	0.116%
20	10.938	977	981	993	rBV3	1568	6879	0.43%	0.077%
21	11.100	993	1005	1013	rVV5	2248	11606	0.72%	0.130%
22	11.188	1013	1018	1031	rVB5	2556	10317	0.64%	0.116%
23	11.403	1049	1050	1059	rBV2	3695	6849	0.43%	0.077%
24	11.531	1065	1069	1087	rVB3	2103	5598	0.35%	0.063%
25	12.036	1133	1144	1185	rBV	636353	1275407	79.59%	14.331%
26	12.353	1185	1191	1199	rVV3	2557	7025	0.44%	0.079%
27	12.481	1201	1210	1255	rVB4	18408	62448	3.90%	0.702%
28	13.101	1299	1302	1307	rVB4	2969	6596	0.41%	0.074%
29	13.175	1307	1313	1323	rBV2	3491	13004	0.81%	0.146%
30	13.505	1351	1362	1411	rBV	682483	1330614	83.03%	14.952%
31	13.882	1411	1418	1437	rBV5	3059	18558	1.16%	0.209%
32	14.051	1437	1443	1449	rBV2	3275	6400	0.40%	0.072%
33	14.280	1449	1477	1497	rVB7	4545	34874	2.18%	0.392%
34	14.428	1497	1499	1511	rVB3	2398	7310	0.46%	0.082%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62378.D
Acq On : 21 Dec 2013 1:46 am
Operator : krystend
Sample : mc27146-2
Misc : MS30848,MSM2180,4.342,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131219S.M
Title : SW-846 Method 8260

35	14.563	1511	1519	1535	rBV3	2835	16817	1.05%	0.189%
36	14.731	1535	1544	1565	rVV	578000	1082662	67.56%	12.166%
37	14.933	1565	1574	1603	rVB3	32231	88266	5.51%	0.992%
38	15.371	1633	1639	1665	rVB9	7387	33515	2.09%	0.377%
39	15.613	1665	1675	1697	rBV8	5038	35471	2.21%	0.399%
40	15.802	1697	1703	1733	rVV5	14410	47780	2.98%	0.537%
41	16.065	1733	1742	1761	rVB	880782	1602524	100.00%	18.007%

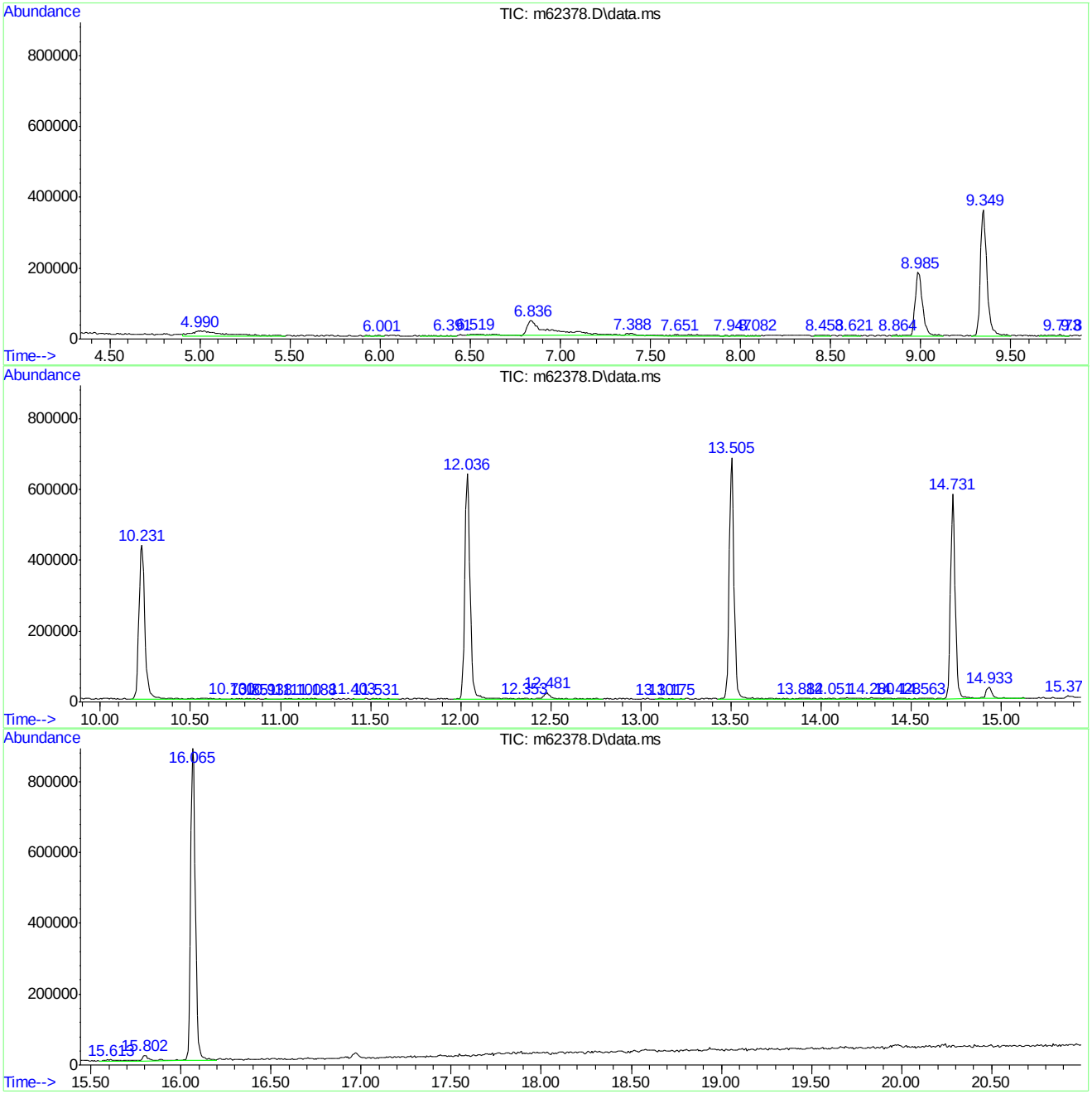
Sum of corrected areas: 8899376

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62378.D
Acq On : 21 Dec 2013 1:46 am
Operator : krystend
Sample : mc27146-2
Misc : MS30848,MSM2180,4.342,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62378.D
Acq On : 21 Dec 2013 1:46 am
Operator : krystend
Sample : mc27146-2
Misc : MS30848,MSM2180,4.342,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62378.D
Acq On : 21 Dec 2013 1:46 am
Operator : krystend
Sample : mc27146-2
Misc : MS30848,MSM2180,4.342,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62379.D
Acq On : 21 Dec 2013 2:15 am
Operator : krystend
Sample : mc27146-3
Misc : MS30848,MSM2180,4.686,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Dec 22 10:58:26 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

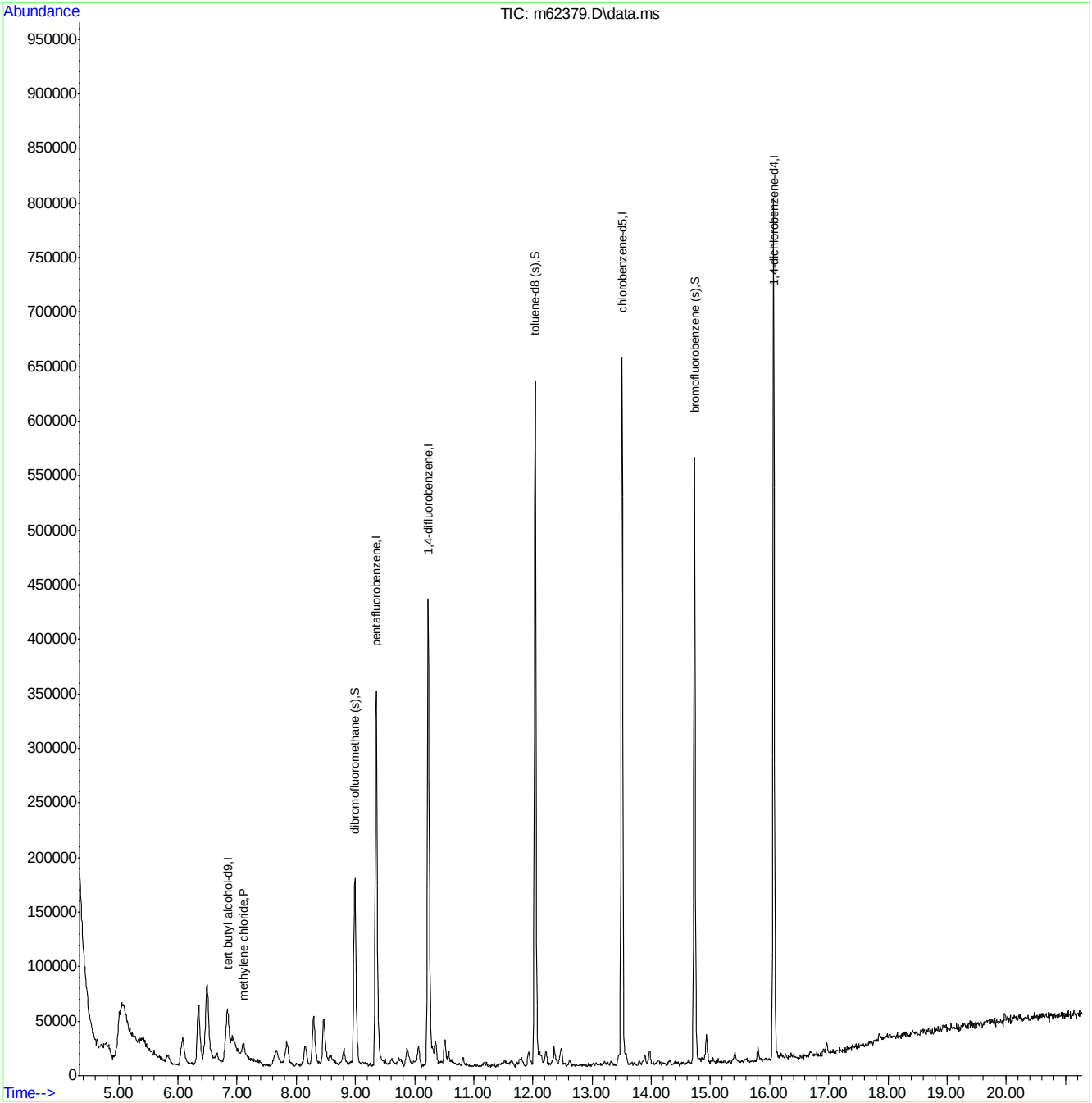
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	167852	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	293602	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	445384	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	186396	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.072	152	253553	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	145653	56.71	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 113.42%			
59) toluene-d8 (s)	12.037	98	460871	59.16	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 118.32%			
81) bromofluorobenzene (s)	14.731	95	194056	55.89	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.78%			
Target Compounds						Qvalue
18) methylene chloride	7.106	84	7618	2.99	ug/kg	88

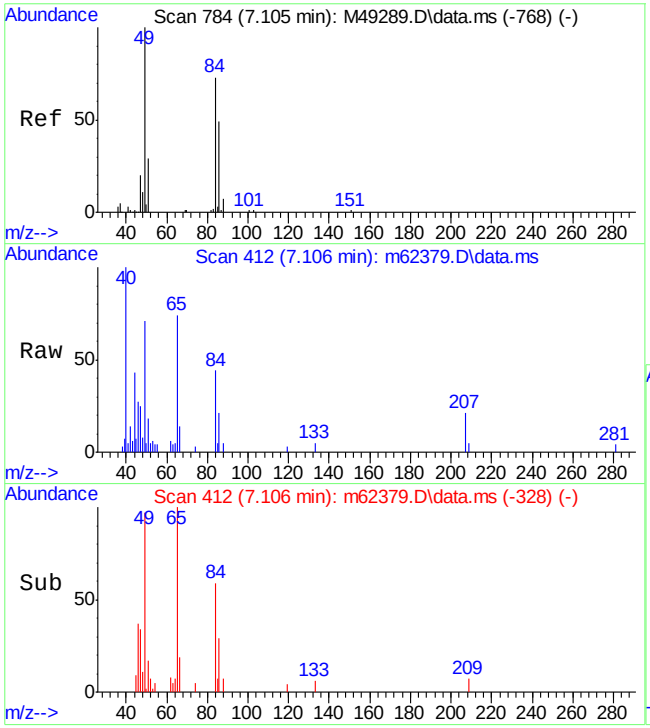
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62379.D
Acq On : 21 Dec 2013 2:15 am
Operator : krystend
Sample : mc27146-3
Misc : MS30848,MSM2180,4.686,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Dec 22 10:58:26 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

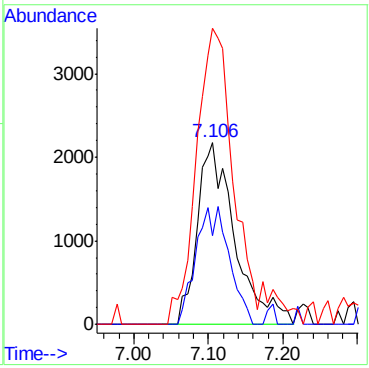




#18
methylene chloride
Concen: 2.99 ug/kg
RT: 7.106 min Scan# 412
Delta R.T. 0.007 min
Lab File: m62379.D
Acq: 21 Dec 2013 2:15 am

Tgt Ion: 84 Resp: 7618

Ion	Ratio	Lower	Upper
84	100		
86	49.0	32.2	92.2
49	162.9	120.3	180.3



LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62379.D
Acq On : 21 Dec 2013 2:15 am
Operator : krystend
Sample : mc27146-3
Misc : MS30848,MSM2180,4.686,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131219S.M
Title : SW-846 Method 8260

Signal : TIC: m62379.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.051	89	107	215	rVB8	54318	1026332	69.40%	9.102%
2	5.812	217	220	249	rVB6	10532	48852	3.30%	0.433%
3	6.082	249	260	287	rBV3	26221	120624	8.16%	1.070%
4	6.351	287	300	309	rBV2	54371	189841	12.84%	1.684%
5	6.493	309	321	359	rVV4	70025	321452	21.74%	2.851%
6	6.836	359	372	407	rVV5	47796	353214	23.88%	3.133%
7	7.099	407	411	479	rVB7	20950	166262	11.24%	1.475%
8	7.665	479	495	513	rBV9	14326	87474	5.92%	0.776%
9	7.840	513	521	541	rVB4	22354	85431	5.78%	0.758%
10	8.002	541	545	557	rVB6	2757	7331	0.50%	0.065%
11	8.143	557	566	579	rBV3	18111	65945	4.46%	0.585%
12	8.291	579	588	605	rVB3	43741	138551	9.37%	1.229%
13	8.466	605	614	625	rBV4	41279	135518	9.16%	1.202%
14	8.803	651	664	677	rVB6	15476	48170	3.26%	0.427%
15	8.992	679	692	735	rVB	172287	511889	34.61%	4.540%
16	9.349	735	745	777	rBV	344433	875189	59.18%	7.762%
17	9.611	777	784	795	rBV10	5215	14732	1.00%	0.131%
18	9.733	799	802	815	rVB7	7428	22298	1.51%	0.198%
19	9.867	815	822	837	rBV8	15642	57937	3.92%	0.514%
20	10.063	845	851	863	rVB6	18451	51123	3.46%	0.453%
21	10.231	863	876	891	rBV	428228	1000459	67.65%	8.873%
22	10.507	911	917	959	rVB5	23312	104582	7.07%	0.928%
23	10.817	959	963	985	rVB7	8602	26735	1.81%	0.237%
24	11.040	985	996	1003	rBV4	1951	6385	0.43%	0.057%
25	11.181	1009	1017	1033	rBV8	4490	17645	1.19%	0.156%
26	11.349	1033	1042	1045	rVB3	3951	6817	0.46%	0.060%
27	11.518	1045	1067	1077	rBV8	6924	41100	2.78%	0.365%
28	11.808	1093	1110	1121	rBV10	8586	44129	2.98%	0.391%
29	11.929	1121	1128	1137	rVV5	13545	42179	2.85%	0.374%
30	12.037	1137	1144	1165	rVV	629034	1273567	86.12%	11.295%
31	12.225	1165	1172	1181	rVV8	13937	42128	2.85%	0.374%
32	12.353	1181	1191	1201	rVV6	18343	55022	3.72%	0.488%
33	12.474	1201	1209	1223	rVV7	17010	57567	3.89%	0.511%
34	12.623	1223	1231	1253	rVV8	5714	18907	1.28%	0.168%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62379.D
Acq On : 21 Dec 2013 2:15 am
Operator : krystend
Sample : mc27146-3
Misc : MS30848,MSM2180,4.686,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131219S.M
Title : SW-846 Method 8260

35	12.838	1253	1263	1273	rVB7	2445	10998	0.74%	0.098%
36	12.939	1273	1278	1283	rBV4	3388	5768	0.39%	0.051%
37	13.141	1283	1308	1311	rBV9	3770	21361	1.44%	0.189%
38	13.209	1311	1318	1331	rBV7	4204	17537	1.19%	0.156%
39	13.316	1331	1334	1347	rVV8	3871	11947	0.81%	0.106%
40	13.505	1347	1362	1383	rVV	649481	1273127	86.09%	11.291%
41	13.674	1383	1387	1399	rVB6	3144	9551	0.65%	0.085%
42	13.795	1399	1405	1411	rBV6	5196	8529	0.58%	0.076%
43	13.896	1411	1420	1425	rVV7	9259	25234	1.71%	0.224%
44	13.963	1425	1430	1447	rVV6	13028	36034	2.44%	0.320%
45	14.111	1447	1452	1473	rVB8	3791	21324	1.44%	0.189%
46	14.313	1473	1482	1491	rBV9	5157	14380	0.97%	0.128%
47	14.401	1491	1495	1511	rVB8	3318	8830	0.60%	0.078%
48	14.630	1521	1529	1535	rBV5	4787	12511	0.85%	0.111%
49	14.731	1535	1544	1567	rVV	556411	1038729	70.24%	9.212%
50	14.933	1567	1574	1597	rVB5	27035	85628	5.79%	0.759%
51	15.129	1597	1603	1637	rBV5	5669	33707	2.28%	0.299%
52	15.418	1637	1646	1667	rBV5	9979	42878	2.90%	0.380%
53	15.802	1697	1703	1735	rBV6	14090	53398	3.61%	0.474%
54	16.065	1735	1742	1781	rVB	790487	1478819	100.00%	13.115%

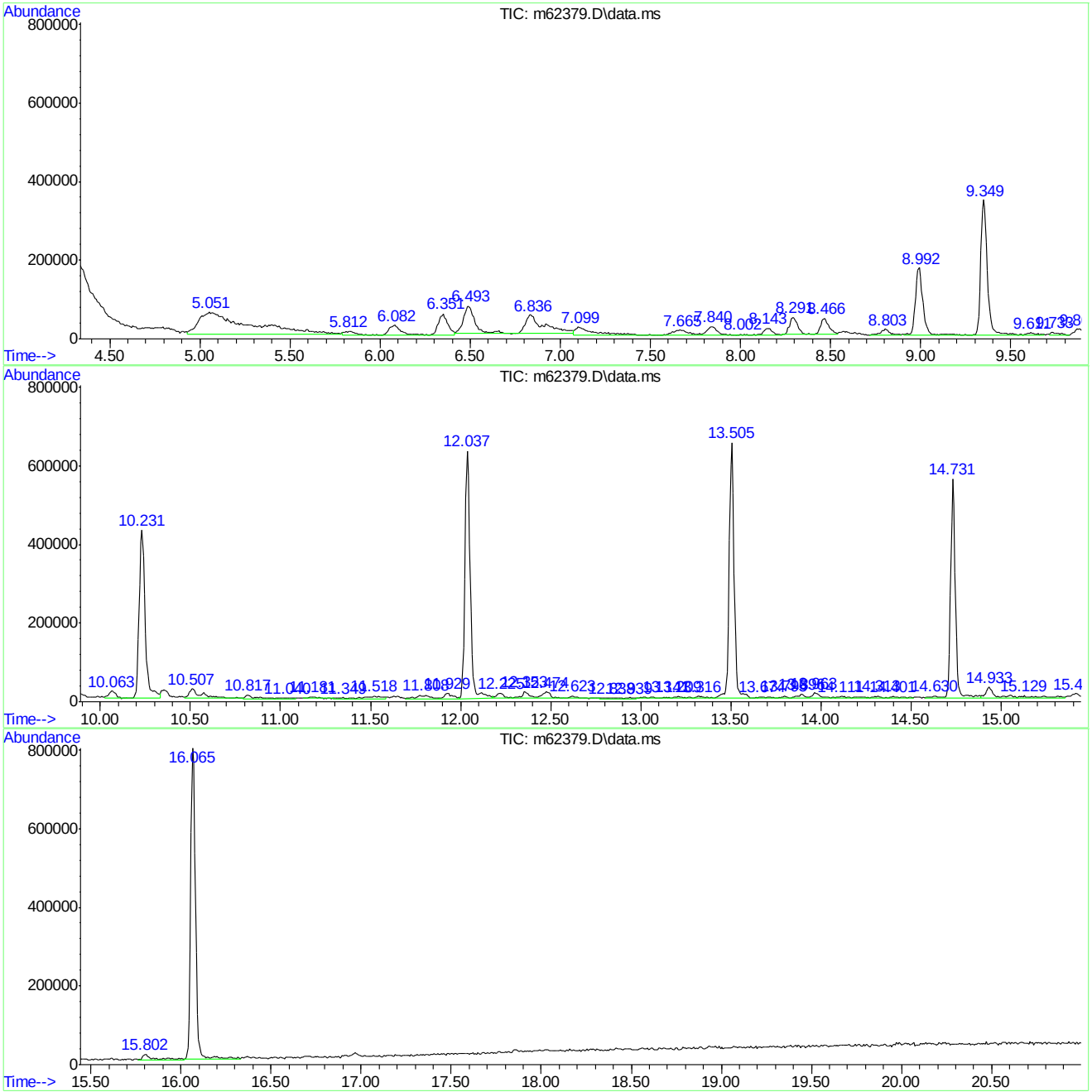
Sum of corrected areas: 11275677

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62379.D
Acq On : 21 Dec 2013 2:15 am
Operator : krystend
Sample : mc27146-3
Misc : MS30848,MSM2180,4.686,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62379.D
Acq On : 21 Dec 2013 2:15 am
Operator : krystend
Sample : mc27146-3
Misc : MS30848,MSM2180,4.686,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260

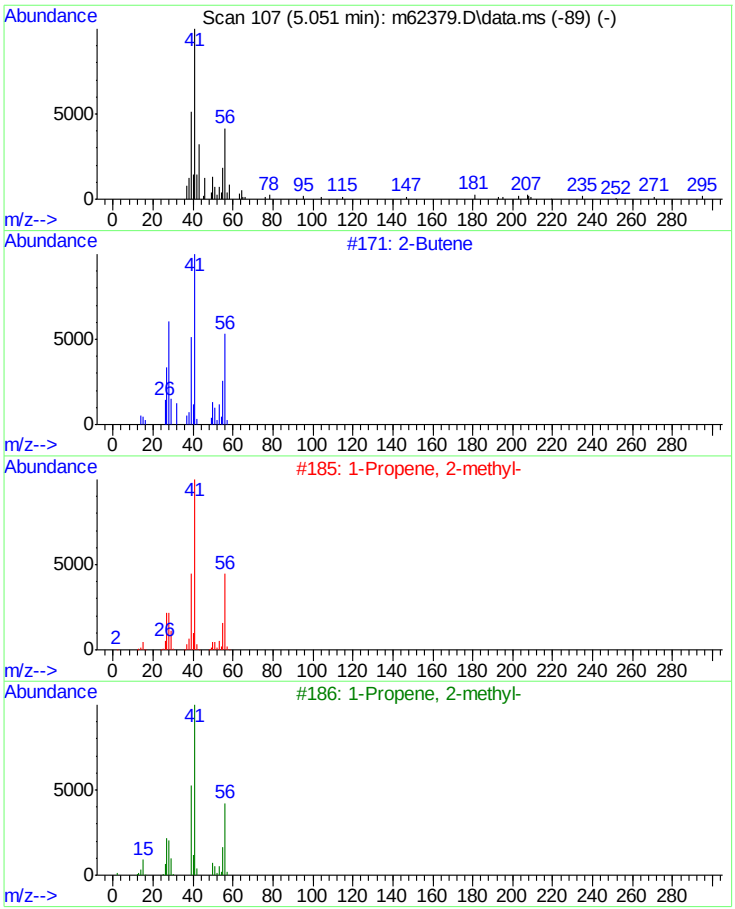
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

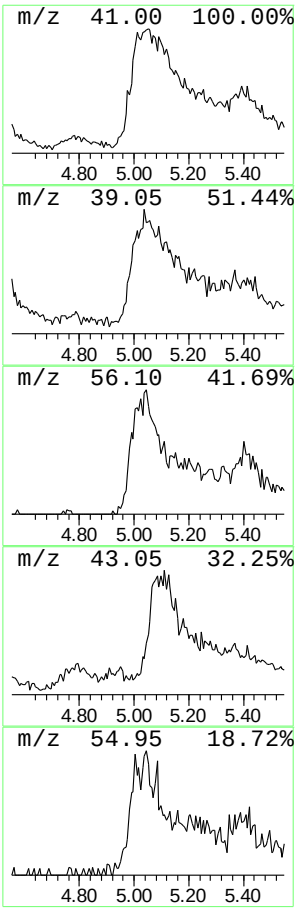
****

Peak Number 1 2-Butene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.051	58.63 ug/kg	1026330	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene	56	C4H8	000107-01-7	52
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	52
3	1-Propene, 2-methyl-	56	C4H8	000115-11-7	52
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	52
5	2-Butene, (Z)-	56	C4H8	000590-18-1	50





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62379.D
Acq On : 21 Dec 2013 2:15 am
Operator : krystend
Sample : mc27146-3
Misc : MS30848,MSM2180,4.686,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260

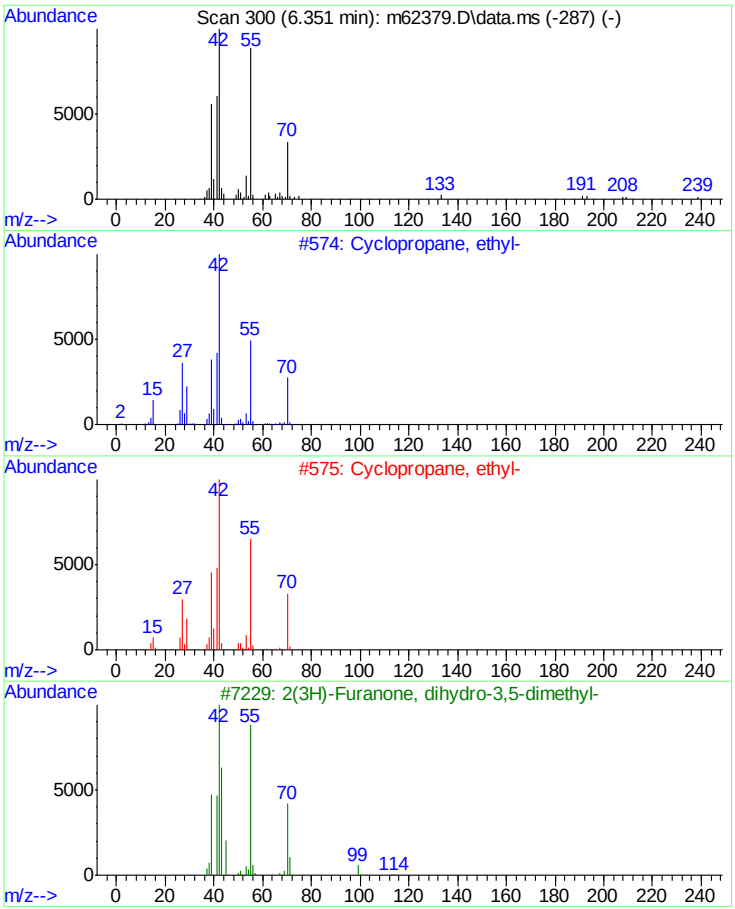
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

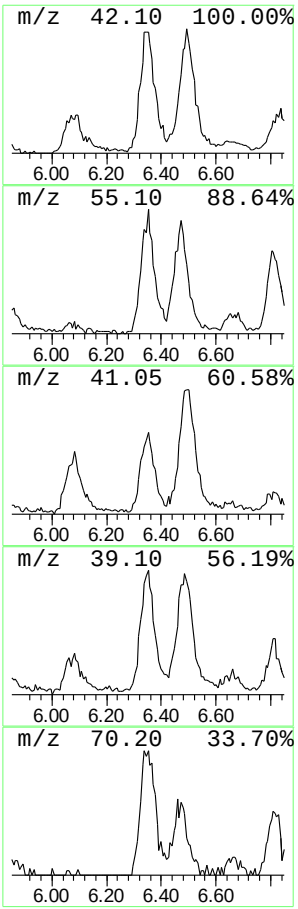
****

Peak Number 4 Cyclopropane, ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.351	10.85 ug/kg	189841	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	80
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	80
3	2(3H)-Furanone, dihydro-3,5-dime...	114	C6H10O2	005145-01-7	78
4	2-Pentene	70	C5H10	000109-68-2	64
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	64





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62379.D
Acq On : 21 Dec 2013 2:15 am
Operator : krystend
Sample : mc27146-3
Misc : MS30848,MSM2180,4.686,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260

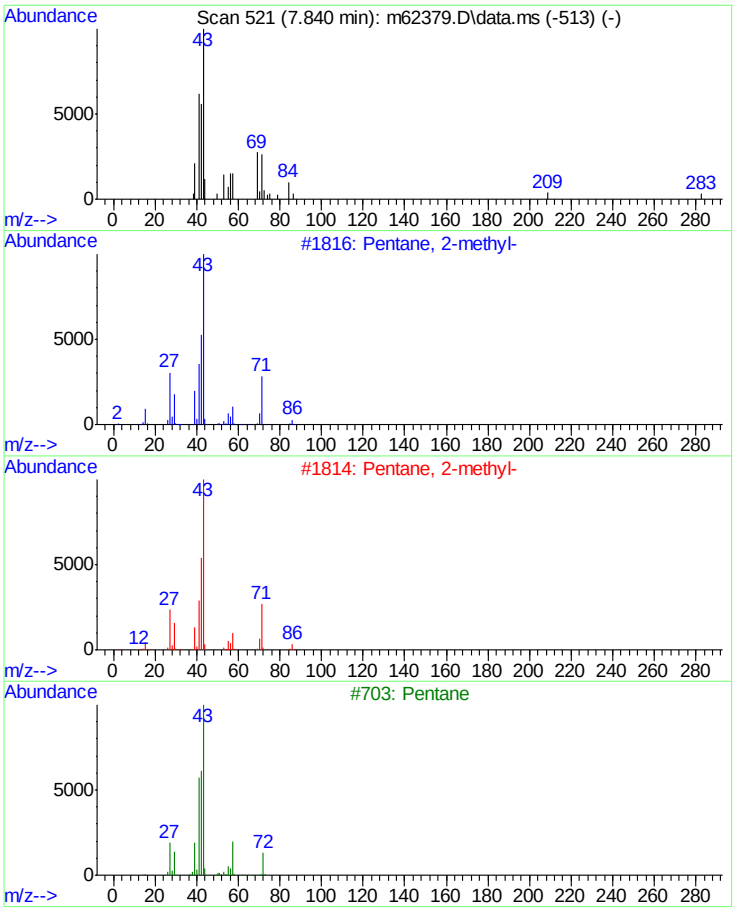
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

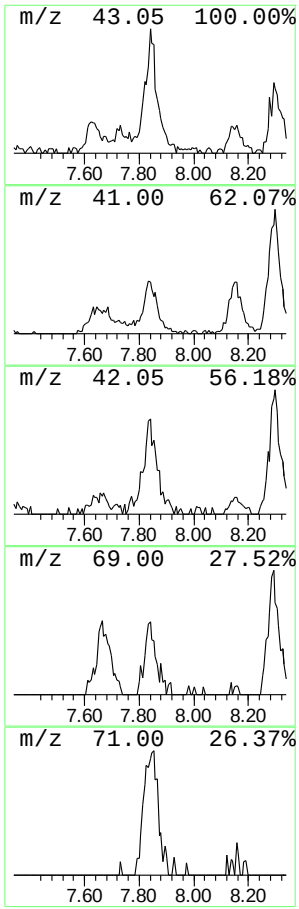
****

Peak Number 7 Pentane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.840	4.88 ug/kg	85431	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	53
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	53
3	Pentane	72	C5H12	000109-66-0	43
4	4-[2-(5-Amino-2H-1,2,3,4-tetrazo...	212	C5H8N8O2	346597-84-0	42
5	Ethanamine, N-ethyl-N-[(1-methyl...	145	C8H19NO	054699-21-7	38





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62379.D
Acq On : 21 Dec 2013 2:15 am
Operator : krystend
Sample : mc27146-3
Misc : MS30848,MSM2180,4.686,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260

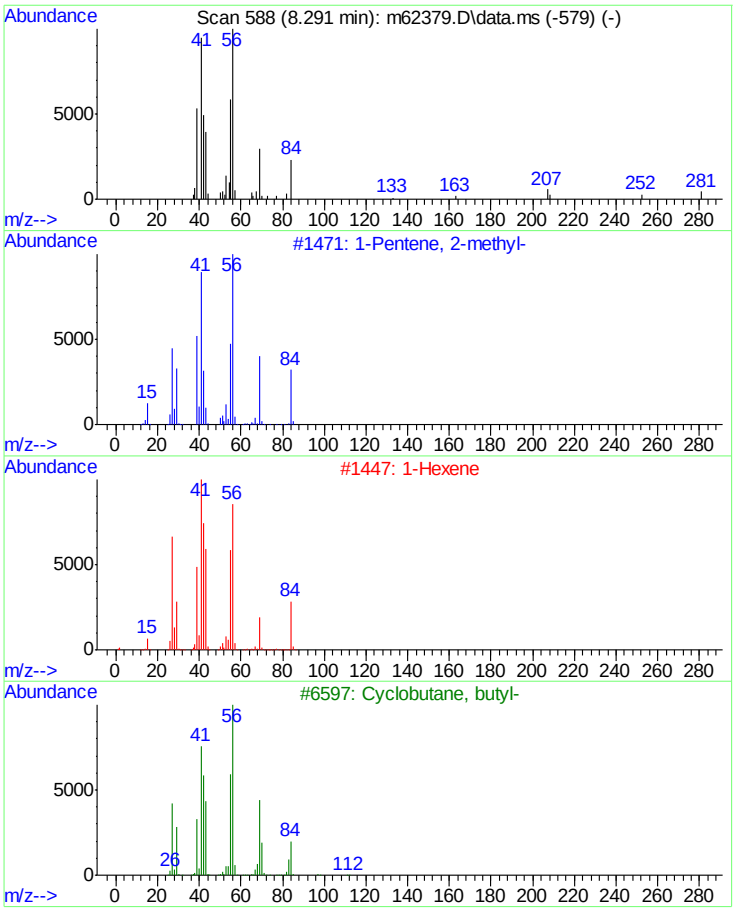
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

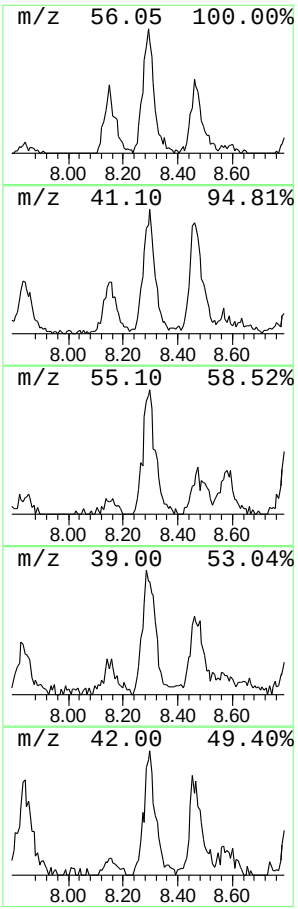
****

Peak Number 8 1-Pentene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.291	7.92 ug/kg	138551	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	68
2	1-Hexene	84	C6H12	000592-41-6	59
3	Cyclobutane, butyl-	112	C8H16	013152-44-8	59
4	1-Hexene	84	C6H12	000592-41-6	58
5	Cyclopropane, 1-ethyl-2-methyl-,...	84	C6H12	019781-68-1	55





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62379.D
Acq On : 21 Dec 2013 2:15 am
Operator : krystend
Sample : mc27146-3
Misc : MS30848,MSM2180,4.686,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260

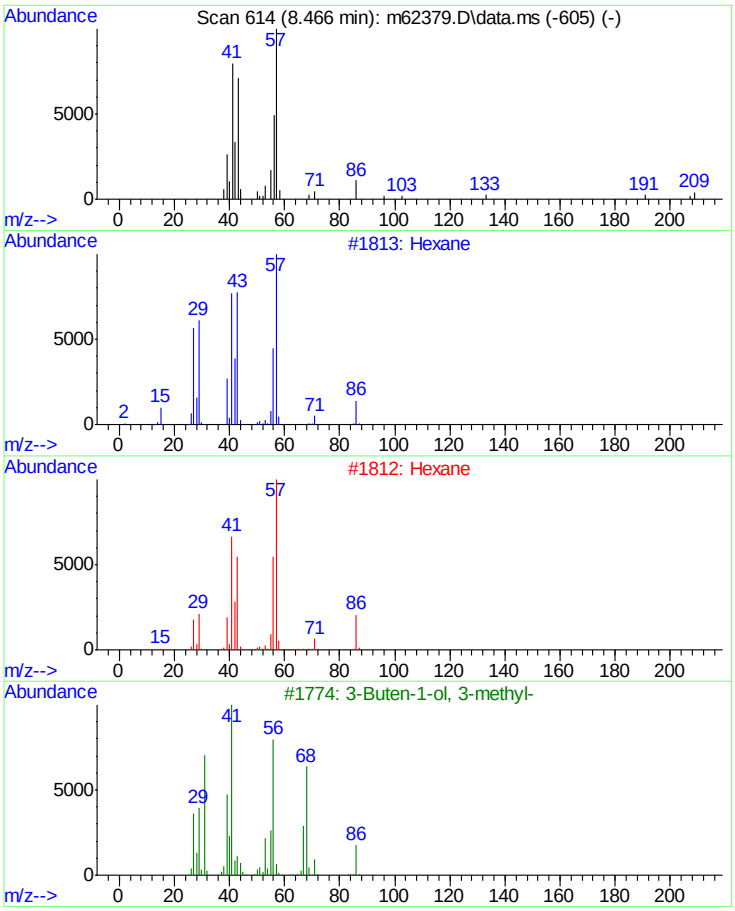
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

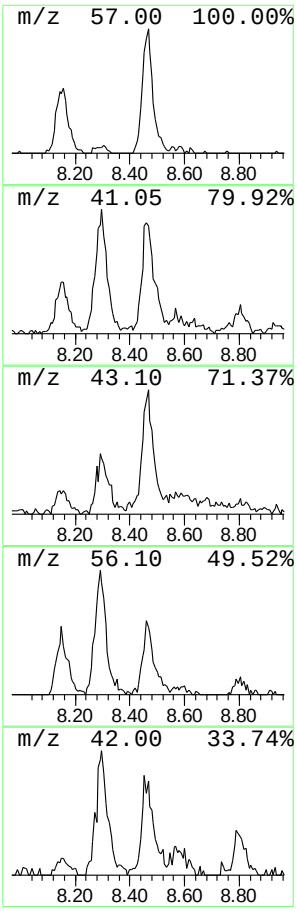
****

Peak Number 9 Hexane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.466	7.74 ug/kg	135518	pentafluorobenzene	9.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	80
2	Hexane	86	C6H14	000110-54-3	50
3	3-Buten-1-ol, 3-methyl-	86	C5H10O	000763-32-6	47
4	Hexane	86	C6H14	000110-54-3	47
5	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	42





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62379.D
Acq On : 21 Dec 2013 2:15 am
Operator : krystend
Sample : mc27146-3
Misc : MS30848,MSM2180,4.686,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260

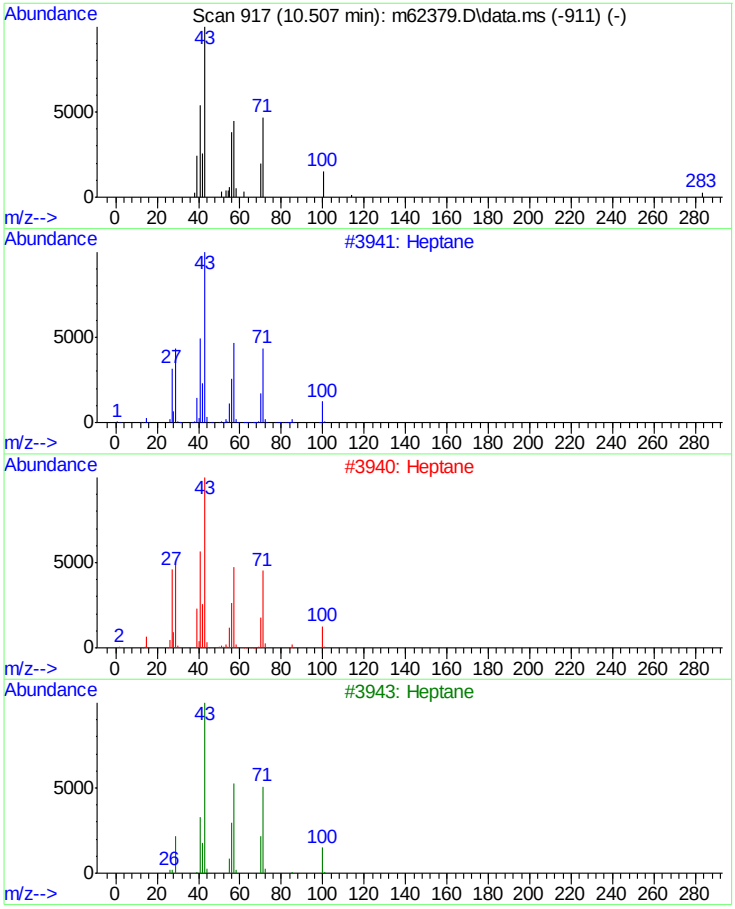
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

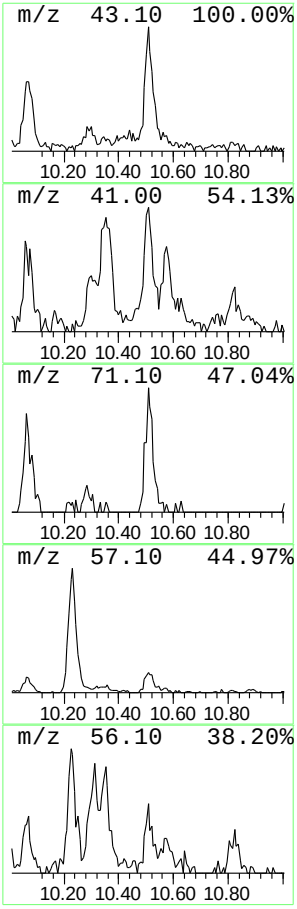
****

Peak Number 10 Heptane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.507	5.23 ug/kg	104582	1,4-difluorobenzene	10.231

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	72
2	Heptane	100	C7H16	000142-82-5	72
3	Heptane	100	C7H16	000142-82-5	64
4	Heptane	100	C7H16	000142-82-5	64
5	1-Heptene	98	C7H14	000592-76-7	38





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62379.D
Acq On : 21 Dec 2013 2:15 am
Operator : krystend
Sample : mc27146-3
Misc : MS30848,MSM2180,4.686,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Butene	5.051	58.6	ug/kg	1026330	2	9.349	875189	50.0
Cyclopropane, e...	6.351	10.9	ug/kg	189841	2	9.349	875189	50.0
Pentane, 2-methyl-	7.840	4.9	ug/kg	85431	2	9.349	875189	50.0
1-Pentene, 2-me...	8.291	7.9	ug/kg	138551	2	9.349	875189	50.0
Hexane	8.466	7.7	ug/kg	135518	2	9.349	875189	50.0
Heptane	10.507	5.2	ug/kg	104582	3	10.231	1000460	50.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131216\
Data File : N83322.D
Acq On : 16 Dec 2013 10:30 pm
Operator : jaclynb
Sample : mb
Misc : ms30790,MSN3110,,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 17 08:37:33 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

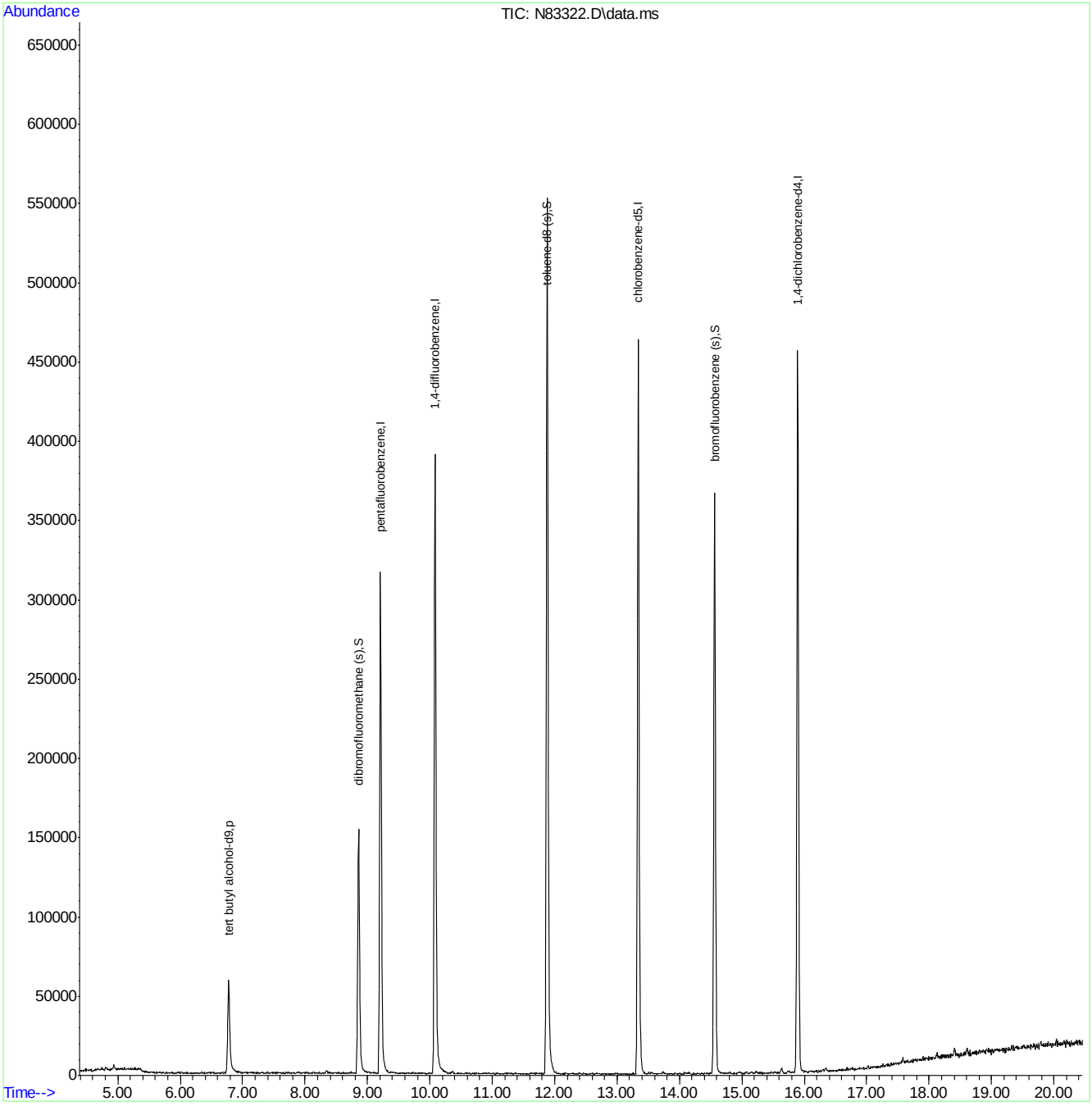
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.777	65	88437	500.00	ug/L	0.01
4) pentafluorobenzene	9.213	168	225139	50.00	ug/L	0.00
43) 1,4-difluorobenzene	10.086	114	336186	50.00	ug/L	0.00
66) chlorobenzene-d5	13.338	82	167782	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.894	152	129461	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.859	113	98731	44.87	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.74%			
60) toluene-d8 (s)	11.882	98	402625	49.59	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.18%			
82) bromofluorobenzene (s)	14.565	95	144064	52.66	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.32%			
Target Compounds						Qvalue
15) 1,1-dichloroethene	6.879	96	201	Below Cal		# 1

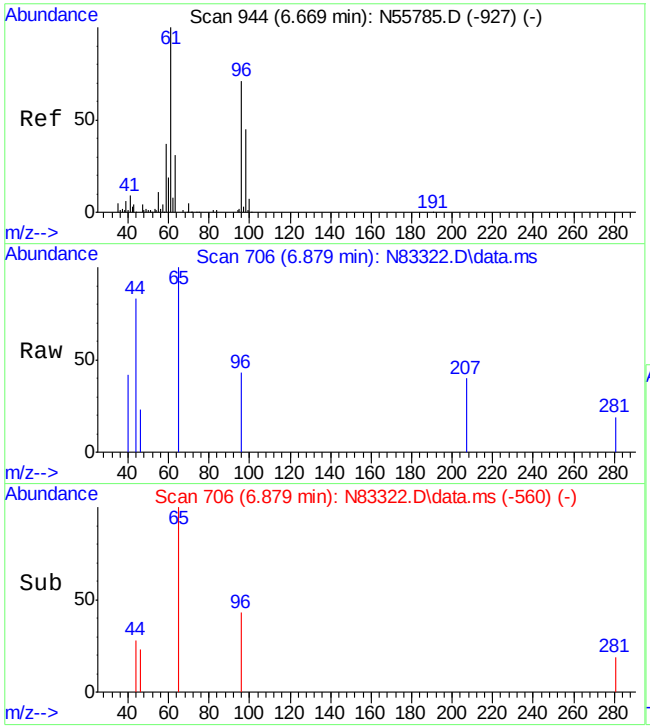
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131216\
Data File : N83322.D
Acq On : 16 Dec 2013 10:30 pm
Operator : jaclynb
Sample : mb
Misc : ms30790,MSN3110,,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 17 08:37:33 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

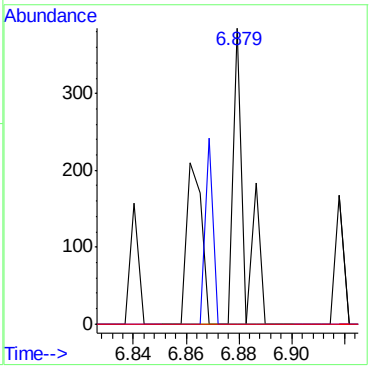




#15
1,1-dichloroethene
Concen: Below Cal
RT: 6.879 min Scan# 706
Delta R.T. 0.017 min
Lab File: N83322.D
Acq: 16 Dec 2013 10:30 pm

Tgt Ion: 96 Resp: 201

Ion	Ratio	Lower	Upper
96	100		
61	0.0	172.5	232.5#
63	0.0	32.6	92.6#



LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131216\
Data File : N83322.D
Acq On : 16 Dec 2013 10:30 pm
Operator : jaclynb
Sample : mb
Misc : ms30770tic,MSN3110,,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

Signal : TIC: N83322.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.804	115	119	149	rBV7	1972	6322	0.59%	0.113%
2	4.935	149	156	347	rVB4	5164	82758	7.76%	1.483%
3	5.621	347	350	375	rVB3	777	1762	0.17%	0.032%
4	6.024	441	464	481	rVB4	1004	4521	0.42%	0.081%
5	6.126	489	493	503	rVB2	964	1581	0.15%	0.028%
6	6.423	567	577	581	rBV4	761	1184	0.11%	0.021%
7	6.678	645	649	657	rVB4	983	884	0.08%	0.016%
8	6.773	663	676	719	rBV2	59031	152604	14.30%	2.734%
9	7.240	803	808	819	rBV3	1074	1004	0.09%	0.018%
10	7.975	1007	1016	1021	rBV4	830	1457	0.14%	0.026%
11	8.042	1029	1035	1043	rVB4	717	907	0.08%	0.016%
12	8.138	1043	1062	1085	rVB3	982	2952	0.28%	0.053%
13	8.283	1097	1103	1111	rBV2	698	737	0.07%	0.013%
14	8.336	1111	1118	1127	rVB4	1668	3063	0.29%	0.055%
15	8.650	1197	1207	1211	rVB2	829	1247	0.12%	0.022%
16	8.725	1217	1228	1235	rVB4	1195	2356	0.22%	0.042%
17	8.764	1235	1239	1253	rBV4	891	2061	0.19%	0.037%
18	8.859	1253	1266	1323	rVV2	154189	325294	30.48%	5.829%
19	9.209	1349	1365	1435	rVV2	316711	629508	58.99%	11.280%
20	9.471	1435	1439	1445	rVB3	900	929	0.09%	0.017%
21	9.679	1485	1498	1507	rVV4	688	1123	0.11%	0.020%
22	9.732	1507	1513	1525	rVB	969	709	0.07%	0.013%
23	9.898	1551	1560	1573	rVB5	1326	3581	0.34%	0.064%
24	10.001	1583	1589	1597	rBV3	605	714	0.07%	0.013%
25	10.086	1597	1613	1681	rVB	391198	798294	74.81%	14.304%
26	10.372	1683	1694	1707	rVB4	1802	3554	0.33%	0.064%
27	10.439	1707	1713	1725	rBV2	749	1397	0.13%	0.025%
28	10.499	1725	1730	1745	rVB3	843	1346	0.13%	0.024%
29	10.591	1745	1756	1765	rBV2	783	1670	0.16%	0.030%
30	10.719	1775	1792	1793	rBV2	1054	2324	0.22%	0.042%
31	10.729	1793	1795	1831	rVV3	1070	3918	0.37%	0.070%
32	11.164	1913	1918	1927	rVB3	545	822	0.08%	0.015%
33	11.613	2037	2045	2049	rBV3	969	896	0.08%	0.016%
34	11.691	2059	2067	2077	rBV3	868	1286	0.12%	0.023%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131216\
Data File : N83322.D
Acq On : 16 Dec 2013 10:30 pm
Operator : jaclynb
Sample : mb
Misc : ms30770tic,MSN3110,,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

35	11.772	2085	2090	2099	rVB3	854	1432	0.13%	0.026%
36	11.878	2099	2120	2181	rBV	552952	1067098	100.00%	19.120%
37	12.154	2181	2198	2201	rVB3	730	1686	0.16%	0.030%
38	12.179	2201	2205	2209	rBV3	769	739	0.07%	0.013%
39	12.387	2251	2264	2281	rVB3	991	2975	0.28%	0.053%
40	12.462	2281	2285	2295	rBV4	844	1426	0.13%	0.026%
41	12.857	2373	2397	2401	rBV3	571	1939	0.18%	0.035%
42	13.006	2435	2439	2451	rVB2	721	822	0.08%	0.015%
43	13.165	2475	2484	2485	rBV2	669	835	0.08%	0.015%
44	13.183	2485	2489	2503	rVV3	644	1199	0.11%	0.021%
45	13.250	2503	2508	2517	rVB2	812	1250	0.12%	0.022%
46	13.342	2517	2534	2559	rBV	463444	893598	83.74%	16.012%
47	13.501	2575	2579	2587	rVB3	1241	760	0.07%	0.014%
48	13.547	2587	2592	2607	rVV5	1363	2572	0.24%	0.046%
49	13.621	2609	2613	2633	rVV2	469	773	0.07%	0.014%
50	13.738	2633	2646	2667	rVB2	1772	5186	0.49%	0.093%
51	13.833	2667	2673	2677	rBV3	679	803	0.08%	0.014%
52	13.929	2689	2700	2717	rBV4	817	1639	0.15%	0.029%
53	14.077	2737	2742	2753	rBV3	1403	2103	0.20%	0.038%
54	14.286	2799	2801	2813	rVB2	596	927	0.09%	0.017%
55	14.399	2823	2833	2841	rBV2	754	982	0.09%	0.018%
56	14.494	2857	2860	2865	rBV4	948	1085	0.10%	0.019%
57	14.561	2865	2879	2913	rVB2	366266	682959	64.00%	12.237%
58	14.763	2929	2936	2939	rBV3	448	710	0.07%	0.013%
59	14.954	2981	2990	3011	rVB6	1641	4998	0.47%	0.090%
60	15.067	3015	3022	3035	rBV3	1511	3038	0.28%	0.054%
61	15.152	3035	3046	3059	rVB5	1519	3477	0.33%	0.062%
62	15.226	3059	3067	3079	rBV6	1967	3204	0.30%	0.057%
63	15.315	3083	3092	3119	rVB4	953	1998	0.19%	0.036%
64	15.459	3131	3133	3145	rBV4	870	921	0.09%	0.017%
65	15.537	3145	3155	3165	rVV4	1097	1930	0.18%	0.035%
66	15.587	3165	3169	3175	rVB2	921	914	0.09%	0.016%
67	15.633	3175	3182	3205	rBV4	3333	6783	0.64%	0.122%
68	15.753	3205	3216	3227	rBV5	1776	4421	0.41%	0.079%
69	15.894	3241	3256	3285	rBV2	455942	818447	76.70%	14.665%
70	16.343	3377	3383	3429	rVB7	2353	10571	0.99%	0.189%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131216\
Data File : N83322.D
Acq On : 16 Dec 2013 10:30 pm
Operator : jaclynb
Sample : mb
Misc : ms30770tic,MSN3110,,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

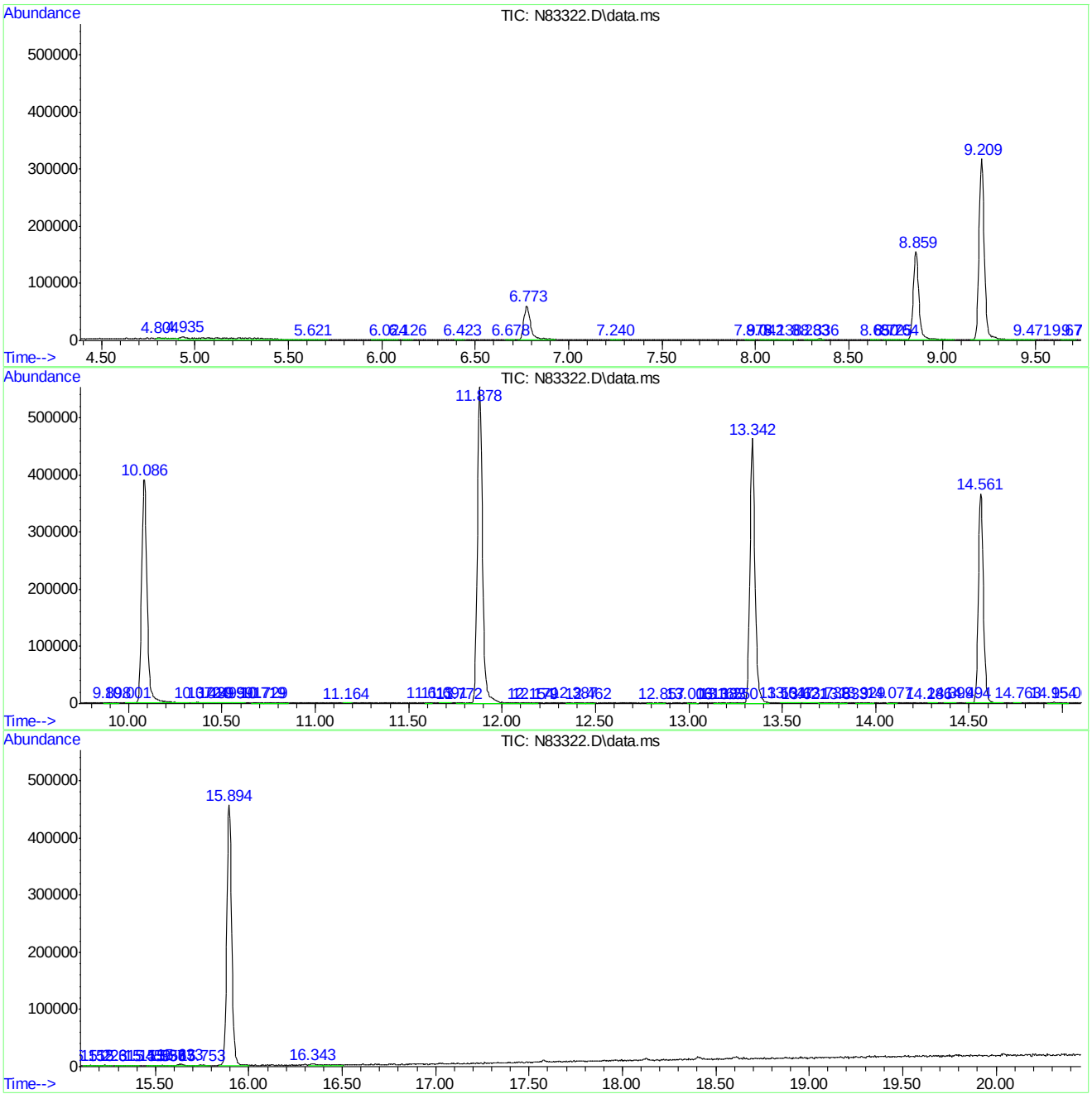
Sum of corrected areas: 5580965

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\N131216\
Data File : N83322.D
Acq On : 16 Dec 2013 10:30 pm
Operator : jaclynb
Sample : mb
Misc : ms30770tic,MSN3110,,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\N131216\
Data File : N83322.D
Acq On : 16 Dec 2013 10:30 pm
Operator : jaclynb
Sample : mb
Misc : ms30770tic,MSN3110,,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\N131216\
Data File : N83322.D
Acq On : 16 Dec 2013 10:30 pm
Operator : jaclynb
Sample : mb
Misc : ms30770tic,MSN3110,,,,5,1
ALS Vial : 45 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83334.D
Acq On : 17 Dec 2013 11:00 am
Operator : jaclynb
Sample : mb1
Misc : ms30770,MSN3110,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 17 11:54:13 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

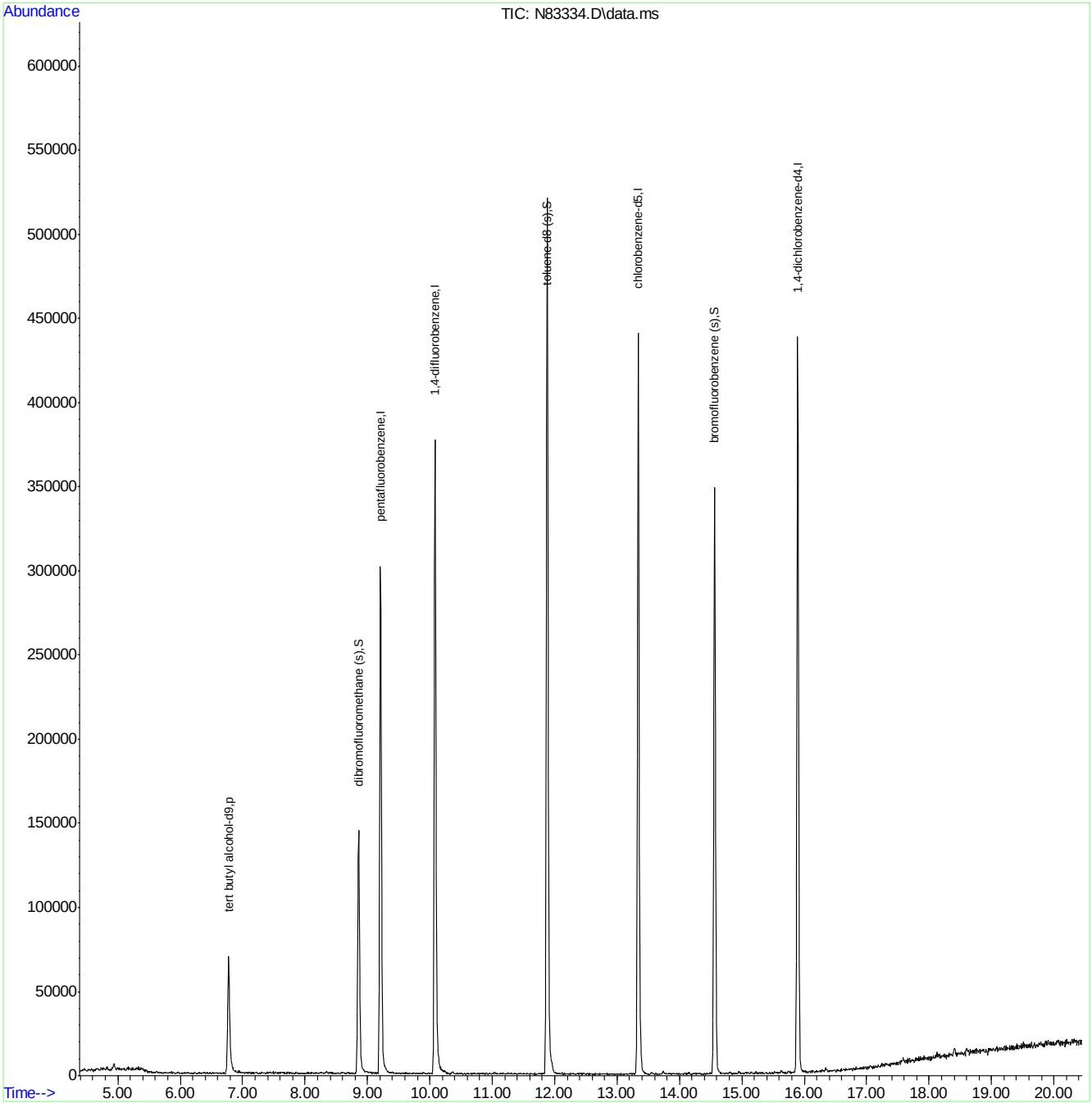
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.777	65	100077	500.00	ug/L	0.01
4) pentafluorobenzene	9.209	168	215621	50.00	ug/L	0.00
43) 1,4-difluorobenzene	10.086	114	318975	50.00	ug/L	0.00
66) chlorobenzene-d5	13.338	82	162273	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.894	152	124652	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.859	113	94832	45.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.00%			
60) toluene-d8 (s)	11.882	98	381131	49.48	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.96%			
82) bromofluorobenzene (s)	14.561	95	137242	52.10	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.20%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83334.D
Acq On : 17 Dec 2013 11:00 am
Operator : jaclynb
Sample : mb1
Misc : ms30770,MSN3110,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 17 11:54:13 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC27146

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131217\
Data File : N83334.D
Acq On : 17 Dec 2013 11:00 am
Operator : jaclynb
Sample : mb1
Misc : ms30770,MSN3110,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 200 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

Signal : TIC: N83334.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.945	149	159	257	rVB8	3860	26254	2.59%	0.493%
2	5.865	415	419	441	rVB3	1095	1377	0.14%	0.026%
3	5.964	441	447	469	rVB3	684	1971	0.19%	0.037%
4	6.232	519	523	595	rVB4	1202	6286	0.62%	0.118%
5	6.702	645	656	661	rBV4	966	1861	0.18%	0.035%
6	6.777	661	677	717	rVV2	69516	175731	17.33%	3.298%
7	7.144	779	781	789	rVB4	1059	1047	0.10%	0.020%
8	7.385	847	849	861	rBV4	1310	1920	0.19%	0.036%
9	7.629	883	918	937	rVB4	999	5574	0.55%	0.105%
10	7.851	977	981	995	rVB3	850	1272	0.13%	0.024%
11	8.053	1025	1038	1047	rVB4	923	2276	0.22%	0.043%
12	8.343	1115	1120	1131	rVB4	1539	2709	0.27%	0.051%
13	8.392	1131	1134	1145	rBV2	981	1482	0.15%	0.028%
14	8.686	1211	1217	1221	rVB4	925	1199	0.12%	0.023%
15	8.707	1221	1223	1253	rBV4	973	3790	0.37%	0.071%
16	8.859	1253	1266	1329	rVB	144605	311002	30.67%	5.837%
17	9.152	1345	1349	1353	rBV2	945	816	0.08%	0.015%
18	9.209	1353	1365	1439	rVB2	301762	602304	59.40%	11.304%
19	9.488	1439	1444	1453	rBV2	727	1188	0.12%	0.022%
20	9.570	1461	1467	1477	rBV4	645	896	0.09%	0.017%
21	9.810	1531	1535	1551	rVB4	653	1442	0.14%	0.027%
22	9.895	1555	1559	1573	rVV3	944	1772	0.17%	0.033%
23	9.997	1573	1588	1591	rVV3	559	969	0.10%	0.018%
24	10.022	1591	1595	1599	rVV3	491	521	0.05%	0.010%
25	10.086	1599	1613	1681	rVB	377253	761480	75.10%	14.291%
26	10.369	1681	1693	1723	rBV5	1472	5412	0.53%	0.102%
27	10.556	1741	1746	1751	rVB2	720	737	0.07%	0.014%
28	10.598	1751	1758	1759	rBV2	872	831	0.08%	0.016%
29	10.814	1813	1819	1825	rBV3	730	1187	0.12%	0.022%
30	10.860	1825	1832	1837	rVB4	929	1571	0.15%	0.029%
31	10.895	1837	1842	1843	rBV	863	732	0.07%	0.014%
32	10.916	1843	1848	1855	rBV3	696	981	0.10%	0.018%
33	10.955	1855	1859	1875	rVB3	544	1474	0.15%	0.028%
34	11.051	1883	1886	1897	rBV2	651	892	0.09%	0.017%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131217\
Data File : N83334.D
Acq On : 17 Dec 2013 11:00 am
Operator : jaclynb
Sample : mb1
Misc : ms30770,MSN3110,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 200 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

35	11.266	1943	1947	1955	rBV3	658	836	0.08%	0.016%
36	11.450	1997	1999	2011	rVB3	825	596	0.06%	0.011%
37	11.563	2011	2031	2041	rVB4	1021	2910	0.29%	0.055%
38	11.616	2041	2046	2061	rVB3	984	2003	0.20%	0.038%
39	11.684	2061	2065	2081	rBV	1039	1918	0.19%	0.036%
40	11.747	2081	2083	2101	rVB3	699	1231	0.12%	0.023%
41	11.882	2101	2121	2177	rBV	520760	1014011	100.00%	19.030%
42	12.150	2191	2197	2221	rBV2	863	2597	0.26%	0.049%
43	12.256	2221	2227	2249	rVB2	815	2065	0.20%	0.039%
44	12.373	2249	2260	2263	rBV2	885	1033	0.10%	0.019%
45	12.553	2307	2311	2315	rVB2	761	515	0.05%	0.010%
46	12.596	2317	2323	2327	rVB2	591	660	0.07%	0.012%
47	12.624	2327	2331	2337	rBV2	493	498	0.05%	0.009%
48	12.652	2337	2339	2343	rVV2	615	346	0.03%	0.006%
49	12.691	2347	2350	2357	rVV2	517	575	0.06%	0.011%
50	12.829	2357	2389	2393	rVB3	561	2100	0.21%	0.039%
51	12.886	2401	2405	2419	rVB2	509	799	0.08%	0.015%
52	13.006	2427	2439	2441	rVB2	526	795	0.08%	0.015%
53	13.048	2441	2451	2453	rBV2	530	900	0.09%	0.017%
54	13.165	2469	2484	2485	rVB2	383	887	0.09%	0.017%
55	13.176	2485	2487	2495	rBV	519	734	0.07%	0.014%
56	13.211	2495	2497	2503	rVV2	845	613	0.06%	0.012%
57	13.260	2505	2511	2517	rVV2	819	1001	0.10%	0.019%
58	13.338	2517	2533	2579	rVB	440509	855836	84.40%	16.062%
59	13.508	2579	2581	2587	rBV2	553	505	0.05%	0.009%
60	13.550	2587	2593	2607	rVB3	1169	2413	0.24%	0.045%
61	13.617	2607	2612	2619	rVB2	723	1007	0.10%	0.019%
62	13.663	2623	2625	2633	rBV2	317	433	0.04%	0.008%
63	13.734	2633	2645	2657	rBV3	1853	3553	0.35%	0.067%
64	13.900	2685	2692	2709	rVB2	421	629	0.06%	0.012%
65	13.996	2715	2719	2723	rVB2	664	617	0.06%	0.012%
66	14.070	2739	2740	2747	rBV2	795	920	0.09%	0.017%
67	14.144	2755	2761	2783	rBV3	1212	2472	0.24%	0.046%
68	14.250	2783	2791	2801	rVV2	635	1087	0.11%	0.020%
69	14.289	2801	2802	2811	rVB3	806	861	0.08%	0.016%
70	14.328	2811	2813	2823	rBV2	750	512	0.05%	0.010%
71	14.395	2823	2832	2839	rVB2	570	825	0.08%	0.015%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131217\
Data File : N83334.D
Acq On : 17 Dec 2013 11:00 am
Operator : jaclynb
Sample : mb1
Misc : ms30770,MSN3110,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 200 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

72	14.448	2843	2847	2853	rVB	582	434	0.04%	0.008%
73	14.494	2853	2860	2865	rBV	1062	1107	0.11%	0.021%
74	14.561	2865	2879	2925	rVB2	348658	656309	64.72%	12.317%
75	14.749	2925	2932	2937	rBV4	877	1152	0.11%	0.022%
76	14.819	2937	2952	2959	rVB3	1307	2665	0.26%	0.050%
77	14.904	2961	2976	2977	rBV3	565	856	0.08%	0.016%
78	14.922	2977	2981	2985	rBV3	715	561	0.06%	0.011%
79	14.950	2985	2989	3011	rBV4	1450	2515	0.25%	0.047%
80	15.063	3017	3021	3027	rVB5	1032	1285	0.13%	0.024%
81	15.099	3027	3031	3039	rBV4	957	1131	0.11%	0.021%
82	15.141	3039	3043	3061	rBV4	1090	2004	0.20%	0.038%
83	15.230	3061	3068	3075	rVV4	1276	1640	0.16%	0.031%
84	15.523	3147	3151	3175	rBV5	1504	4159	0.41%	0.078%
85	15.629	3175	3181	3205	rVV5	2042	4824	0.48%	0.091%
86	15.746	3209	3214	3239	rVV6	1509	4599	0.45%	0.086%
87	15.894	3239	3256	3303	rVV	437322	791294	78.04%	14.850%
88	16.117	3305	3319	3321	rVB3	1208	2173	0.21%	0.041%
89	16.290	3333	3368	3377	rBV5	2109	7498	0.74%	0.141%

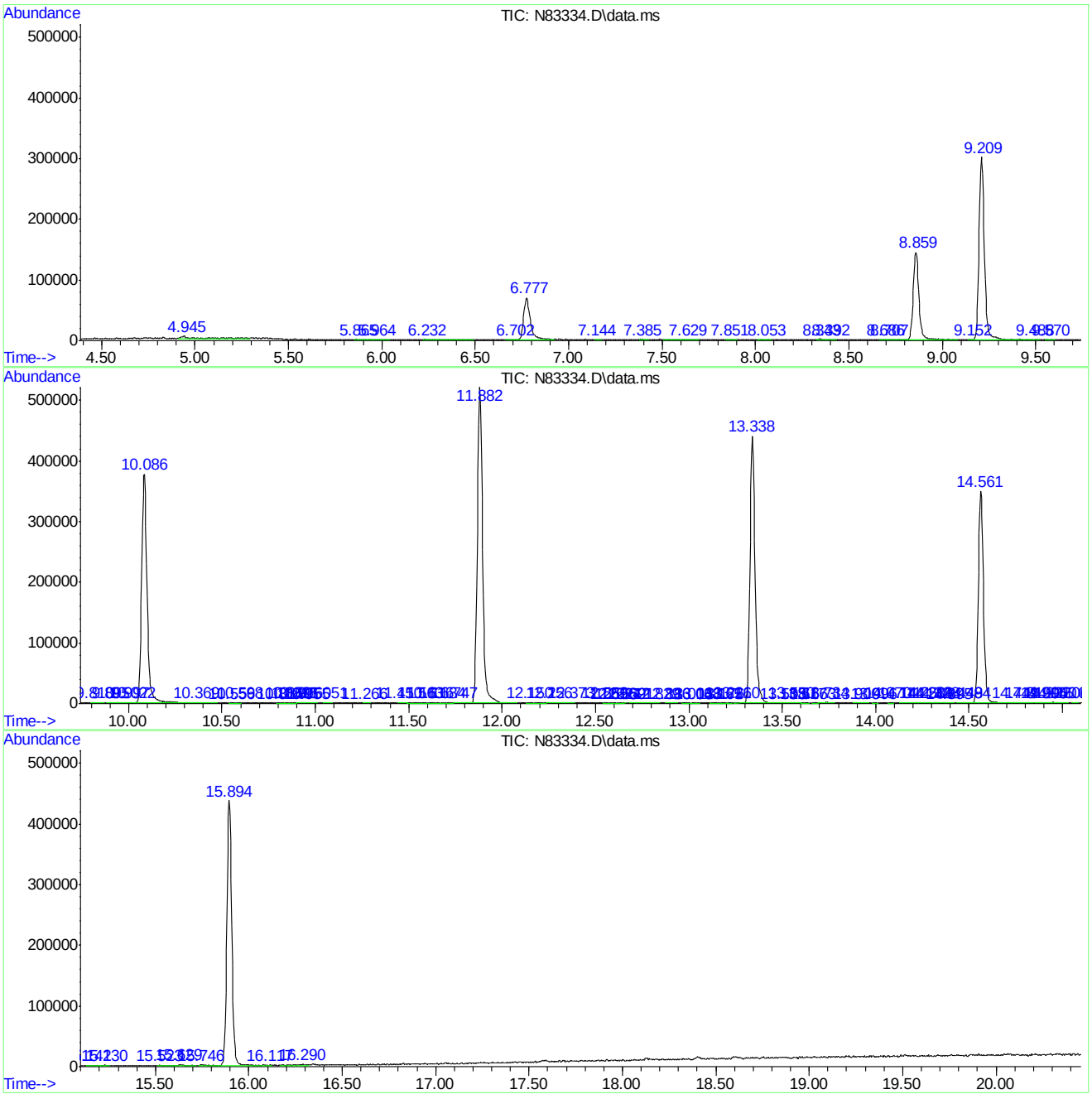
Sum of corrected areas: 5328455

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\N131217\
Data File : N83334.D
Acq On : 17 Dec 2013 11:00 am
Operator : jaclynb
Sample : mb1
Misc : ms30770,MSN3110,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\N131217\
Data File : N83334.D
Acq On : 17 Dec 2013 11:00 am
Operator : jaclynb
Sample : mb1
Misc : ms30770,MSN3110,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\N131217\
Data File : N83334.D
Acq On : 17 Dec 2013 11:00 am
Operator : jaclynb
Sample : mb1
Misc : ms30770,MSN3110,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62377.D
Acq On : 21 Dec 2013 1:16 am
Operator : krystend
Sample : mb
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 22 10:56:14 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

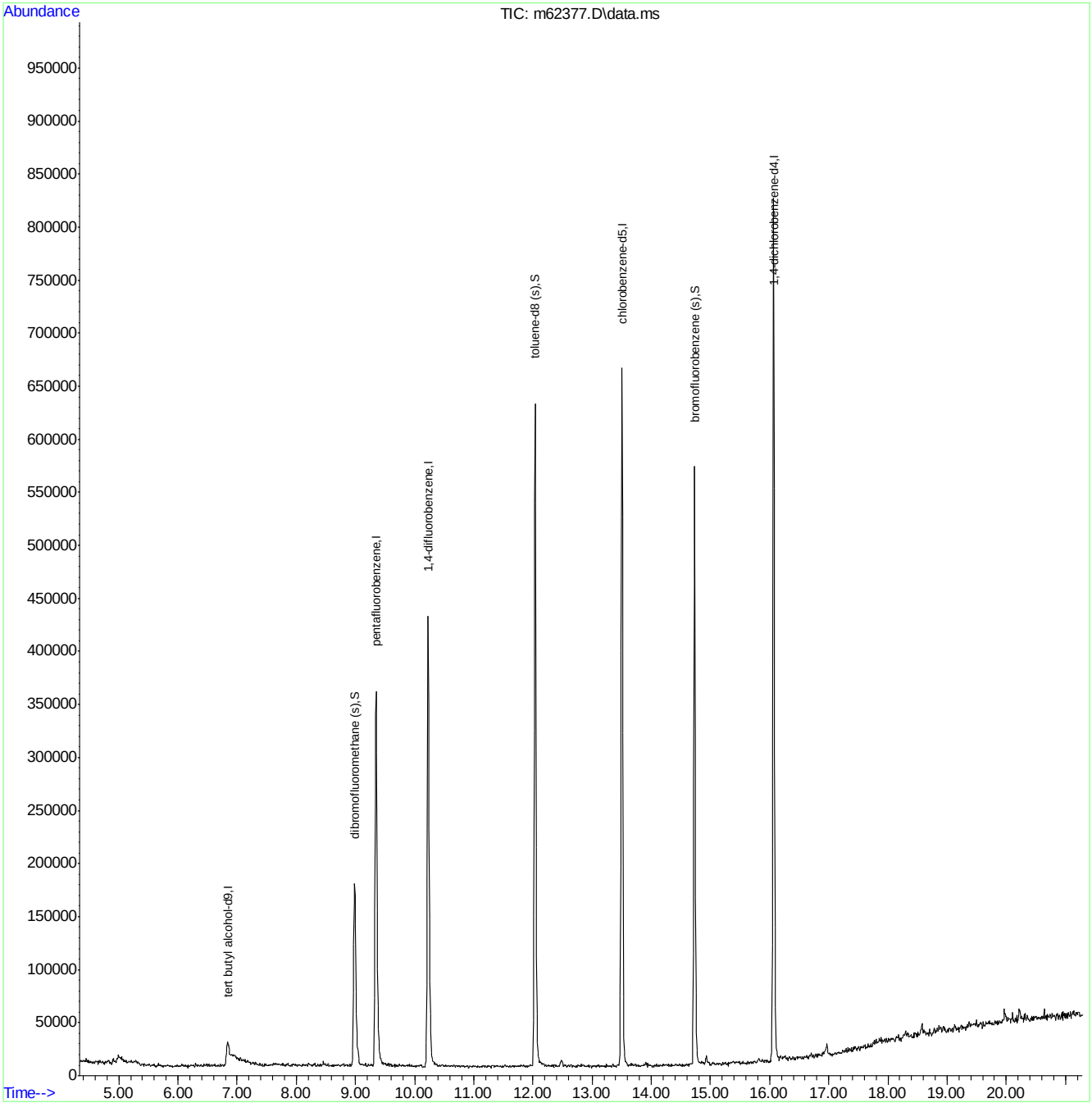
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	98284	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	296621	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	443711	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	187741	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.071	152	259893	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	145742	56.18	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.36%			
59) toluene-d8 (s)	12.036	98	462373	59.57	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 119.14%			
81) bromofluorobenzene (s)	14.731	95	197651	55.54	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.08%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62377.D
Acq On : 21 Dec 2013 1:16 am
Operator : krystend
Sample : mb
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 22 10:56:14 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC27146

LSC Area Percent Report

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62377.D
Acq On : 21 Dec 2013 1:16 am
Operator : krystend
Sample : mb
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 31 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 5000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M131219S.M
Title : SW-846 Method 8260

Signal : TIC: m62377.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.997	93	99	155	rVB	10444	117464	9.29%	1.794%
2	5.671	193	199	235	rBV4	4115	28003	2.22%	0.428%
3	5.987	235	246	249	rBV4	2585	5746	0.45%	0.088%
4	6.843	363	373	451	rBV3	22910	242945	19.22%	3.710%
5	8.318	573	592	597	rBV5	3434	13108	1.04%	0.200%
6	8.459	607	613	621	rBV5	4805	10901	0.86%	0.166%
7	8.985	681	691	727	rVB2	171929	474471	37.53%	7.246%
8	9.349	737	745	783	rVB	353989	876185	69.31%	13.381%
9	10.231	867	876	943	rBV	425640	1018006	80.53%	15.547%
10	10.992	985	989	1005	rVB4	2381	8699	0.69%	0.133%
11	11.201	1005	1020	1023	rBV4	1884	7457	0.59%	0.114%
12	11.376	1033	1046	1061	rBV3	1843	11025	0.87%	0.168%
13	11.524	1061	1068	1079	rVB4	2088	7391	0.58%	0.113%
14	12.036	1133	1144	1191	rVB	625664	1261362	99.78%	19.263%
15	12.481	1205	1210	1223	rVB4	5914	15170	1.20%	0.232%
16	12.596	1223	1227	1249	rVB3	2379	9023	0.71%	0.138%
17	12.811	1249	1259	1279	rBV6	3454	14030	1.11%	0.214%
18	13.114	1297	1304	1319	rBV4	2686	10235	0.81%	0.156%
19	13.242	1319	1323	1337	rVV5	2926	8115	0.64%	0.124%
20	13.350	1337	1339	1347	rVB3	2958	5136	0.41%	0.078%
21	13.505	1347	1362	1407	rBV	659418	1264104	100.00%	19.305%
22	13.909	1407	1422	1439	rVB6	4653	18531	1.47%	0.283%
23	14.731	1529	1544	1569	rBV	565458	1057135	83.63%	16.144%
24	14.933	1569	1574	1611	rVB7	9612	45488	3.60%	0.695%
25	15.816	1701	1705	1731	rBV7	3655	18362	1.45%	0.280%

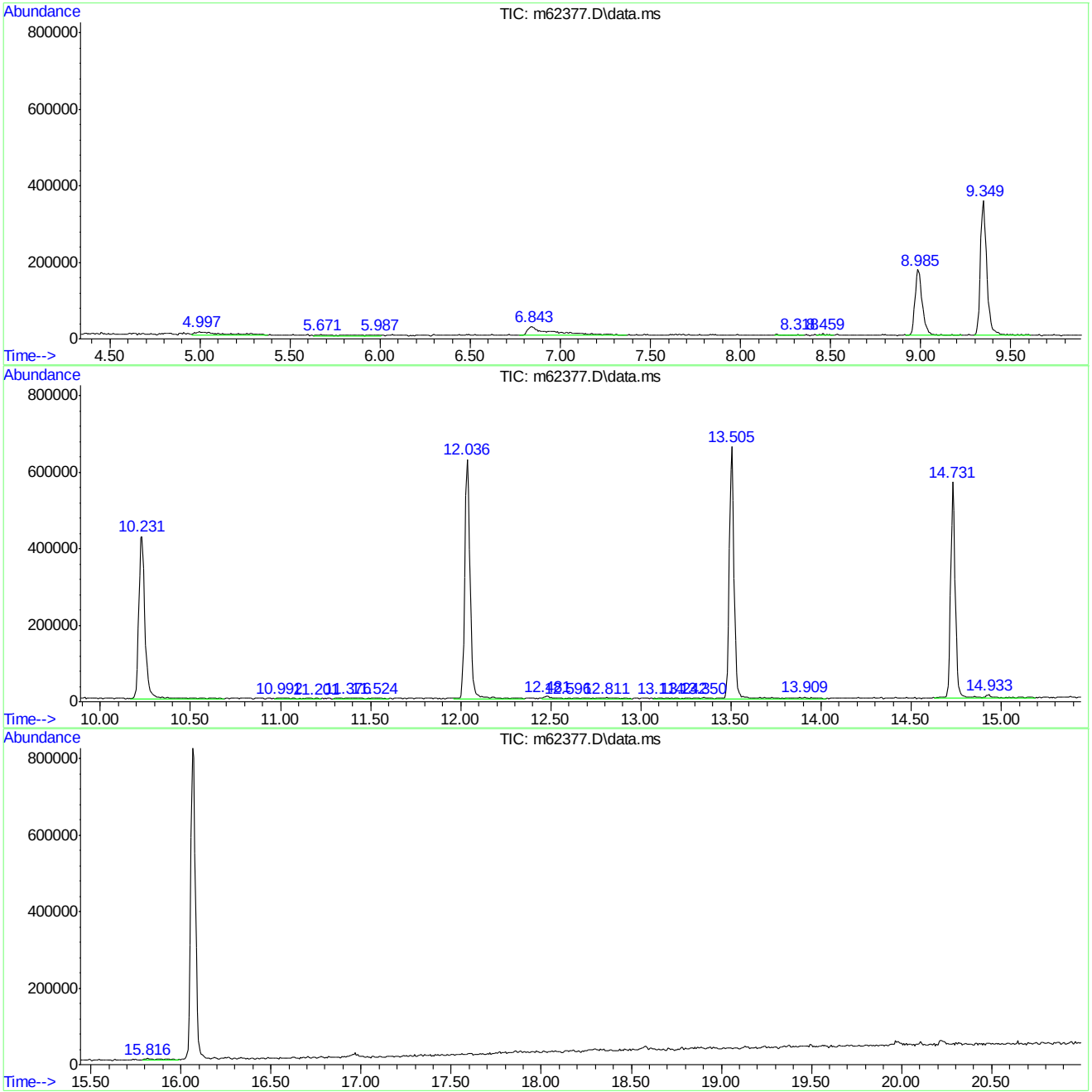
Sum of corrected areas: 6548092

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62377.D
Acq On : 21 Dec 2013 1:16 am
Operator : krystend
Sample : mb
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 31 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62377.D
Acq On : 21 Dec 2013 1:16 am
Operator : krystend
Sample : mb
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 31 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260

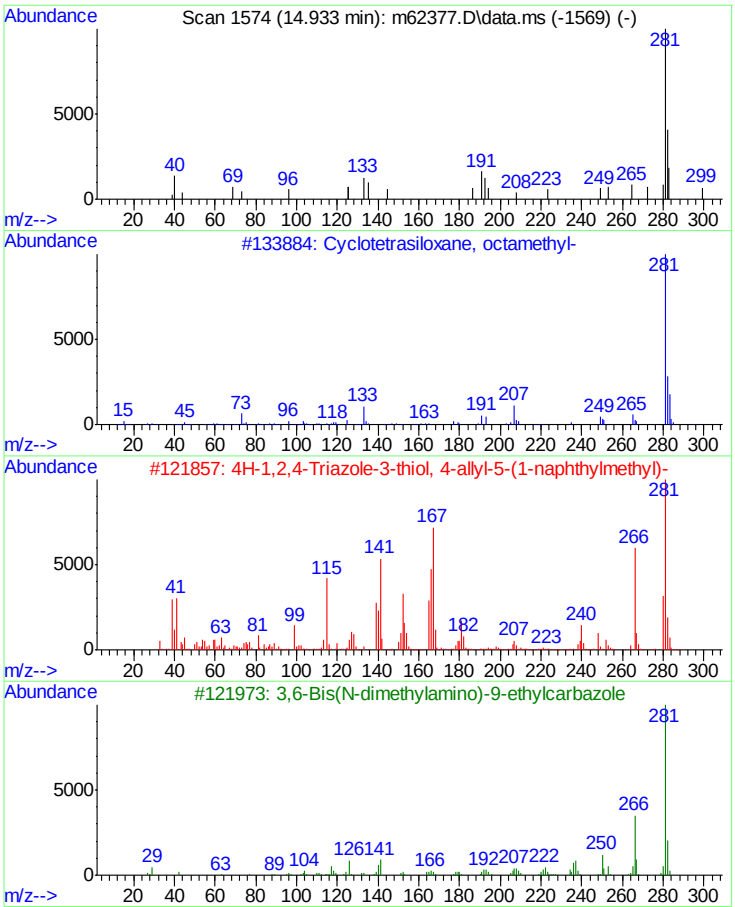
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

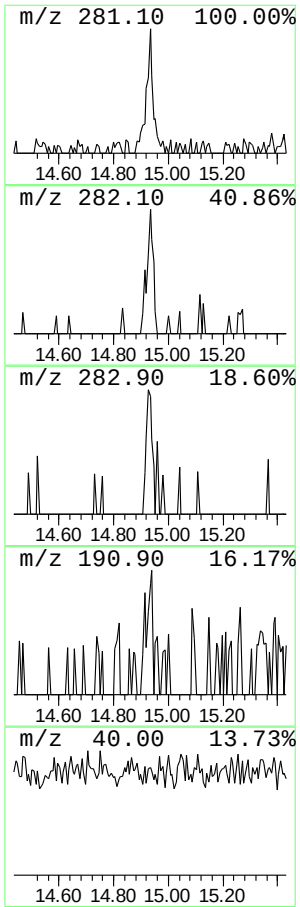
****

Peak Number 3 Cyclotetrasiloxane, octamet... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.933	123.86 ug/kg	45488	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	56
2	4H-1,2,4-Triazole-3-thiol, 4-all...	281	C16H15N3S	031803-13-1	53
3	3,6-Bis(N-dimethylamino)-9-ethyl...	281	C18H23N3	057103-04-5	50
4	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	50
5	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	45





Library Search Compound Report

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62377.D
Acq On : 21 Dec 2013 1:16 am
Operator : krystend
Sample : mb
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 31 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260

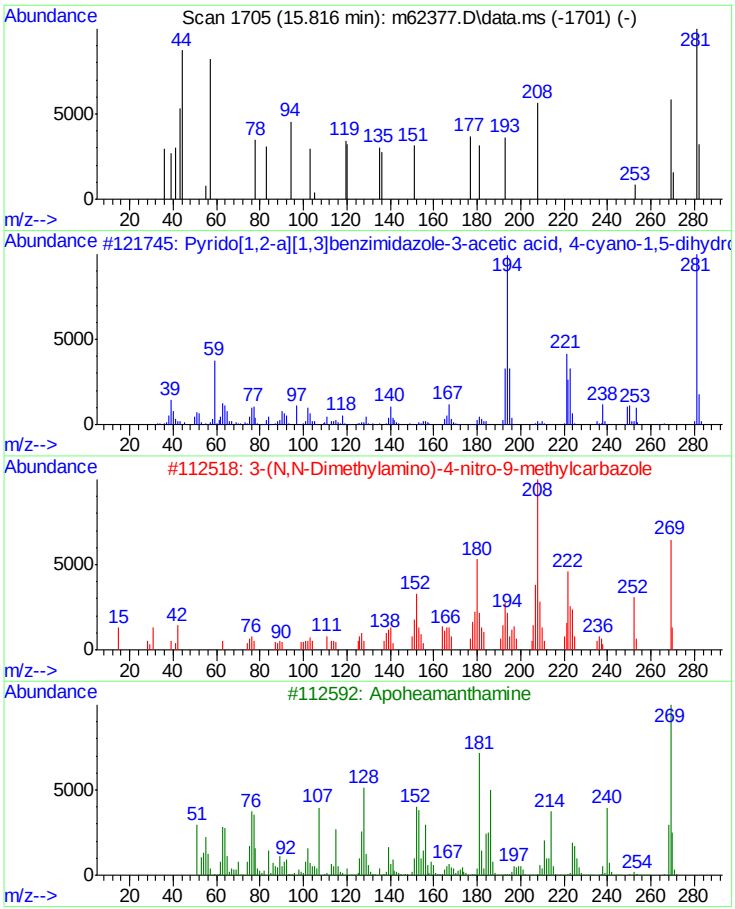
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

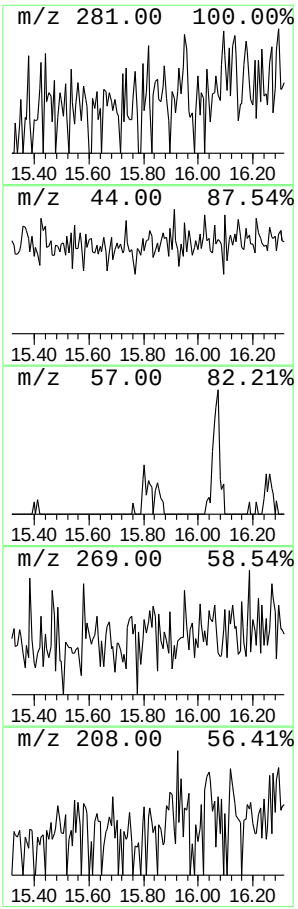
****

Peak Number 4 Pyrido[1,2-a][1,3]benzimida... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.816	50.00 ug/kg	18362	1,4-dichlorobenzene-d4	16.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[1,2-a][1,3]benzimidazole-...	281	C15H11N3O3	1000350-00-4	9
2	3-(N,N-Dimethylamino)-4-nitro-9-...	269	C15H15N3O2	094127-25-0	9
3	Apoheamanthamine	269	C16H15NO3	001472-72-6	9
4	1,3,5-Trimethoxy-2-propenylbenzene	208	C12H16O3	005273-94-9	9
5	Bicyclo[3.1.1]heptan-3-one, 2-(2...	208	C14H24O	1000163-96-5	7





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62377.D
Acq On : 21 Dec 2013 1:16 am
Operator : krystend
Sample : mb
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 31 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclotetrasilox...	14.933	123.9	ug/kg	45488	5	16.072	18362	50.0
Pyrido[1,2-a][1...	15.816	50.0	ug/kg	18362	5	16.072	18362	50.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83331.D
Acq On : 17 Dec 2013 9:37 am
Operator : jaclynb
Sample : bs
Misc : ms30770,MSN3110,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 17 10:14:08 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.770	65	95582	500.00	ug/L		0.00
4) pentafluorobenzene	9.209	168	239072	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	352881	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	186647	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.891	152	158207	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	105219	45.03	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.06%				
60) toluene-d8 (s)	11.882	98	429413	50.39	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.78%				
82) bromofluorobenzene (s)	14.561	95	164382	49.17	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.34%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.854	59	115956	458.37	ug/L		88
3) Ethanol	5.614	45	166234	4408.80	ug/L		100
5) dichlorodifluoromethane	4.426	85	140802	42.26	ug/L		99
6) chloromethane	4.680	50	163887	50.24	ug/L		97
7) vinyl chloride	4.935	62	159153	39.68	ug/L		95
8) bromomethane	5.451	96	86481	59.75	ug/L		96
9) chloroethane	5.617	64	90055	52.09	ug/L		99
10) ethyl ether	6.512	59	97995	39.85	ug/L		95
12) trichlorofluoromethane	6.271	101	191432	42.18	ug/L		99
13) freon-113	7.049	101	104704	41.32	ug/L		95
14) acrolein	6.264	56	20367	36.45	ug/L		98
15) 1,1-dichloroethene	6.865	96	91458	45.33	ug/L		89
16) acetone	6.402	58	12606	38.61	ug/L	#	84
17) Methyl Acetate	7.042	43	140876	34.86	ug/L	#	95
18) methylene chloride	7.014	84	113807	40.18	ug/L	#	82
19) methyl tert butyl ether	7.791	73	222886	37.73	ug/L		94
20) acrylonitrile	6.918	53	88956	83.68	ug/L		89
21) allyl chloride	7.109	41	182587	44.93	ug/L		94
22) trans-1,2-dichloroethene	7.707	96	105076	40.44	ug/L		90
23) iodomethane	6.925	142	91005	37.91	ug/L		95
24) carbon disulfide	7.300	76	297209	37.18	ug/L		98
25) propionitrile	6.837	54	2583	55.95	ug/L		100
26) vinyl acetate	7.042	43	140876	34.86	ug/L		88
27) chloroprene	8.325	53	200977	47.74	ug/L		88
28) di-isopropyl ether	8.357	45	444282	44.84	ug/L		93
29) methacrylonitrile	8.481	41	71678	41.73	ug/L		98
30) 2-butanone	8.371	72	12723	42.54	ug/L	#	23
31) Hexane	8.343	41	189436	43.03	ug/L	#	92
32) 1,1-dichloroethane	7.965	63	232363	42.46	ug/L		97
33) tert-butyl ethyl ether	8.749	59	236988	39.60	ug/L		94
34) isobutyl alcohol	8.350	43	363079	217.56	ug/L		72
35) 2,2-dichloropropane	8.820	77	144068	47.51	ug/L		99
36) cis-1,2-dichloroethene	8.534	96	119117	40.61	ug/L		92
37) ethyl acetate	8.350	43	363079	43.17	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83331.D
Acq On : 17 Dec 2013 9:37 am
Operator : jaclynb
Sample : bs
Misc : ms30770,MSN3110,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 17 10:14:08 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.696	128	55037	44.24	ug/L		92
39) chloroform	8.735	83	208785	41.35	ug/L		99
41) Tetrahydrofuran	9.064	42	32236	41.58	ug/L		85
42) 1,1,1-trichloroethane	9.488	97	168592	45.90	ug/L		99
44) Cyclohexane	9.768	56	215628	44.91	ug/L		96
45) carbon tetrachloride	9.852	117	141654	49.02	ug/L		96
46) 1,1-dichloropropene	9.662	75	159619	48.39	ug/L		98
47) benzene	9.891	78	468021	43.67	ug/L		99
48) 1,2-dichloroethane	9.389	62	160607	42.01	ug/L		97
49) tert-amyl methyl ether	9.997	73	186978	41.61	ug/L		92
50) heptane	10.351	43	158003	46.76	ug/L		90
51) trichloroethene	10.506	95	125086	45.17	ug/L		98
52) 1,2-dichloropropane	10.471	63	143040	47.61	ug/L		100
53) dibromomethane	10.450	93	72959	44.82	ug/L		91
54) bromodichloromethane	10.556	83	167601	45.35	ug/L		97
55) Methylcyclohexane	11.016	83	217564	47.35	ug/L		96
57) methyl methacrylate	10.641	69	70859	44.48	ug/L		86
58) 1,4-dioxane	10.651	88	5576	218.97	ug/L	#	71
59) cis-1,3-dichloropropene	11.171	75	185529	47.29	ug/L		99
61) 4-methyl-2-pentanone	11.263	43	117099	47.16	ug/L		93
62) toluene	11.952	92	292138	47.99	ug/L		99
63) trans-1,3-dichloropropene	11.592	75	161727	49.33	ug/L		98
64) 1,1,2-trichloroethane	11.765	83	97651	46.97	ug/L		95
65) ethyl methacrylate	11.956	69	137173	47.11	ug/L		88
67) tetrachloroethene	12.691	166	131410	47.11	ug/L		92
68) 1,3-dichloropropane	12.002	76	183633	47.04	ug/L		93
69) dibromochloromethane	12.292	129	124448	48.33	ug/L		98
70) 1,2-dibromoethane	12.546	107	105779	46.06	ug/L		98
71) 2-hexanone	12.115	43	80987	49.51	ug/L		94
72) chlorobenzene	13.370	112	308267	45.05	ug/L		98
73) 1,1,1,2-tetrachloroethane	13.289	131	113243	48.74	ug/L		98
74) ethylbenzene	13.540	91	584136	47.95	ug/L		98
75) m,p-xylene	13.727	106	446209	93.39	ug/L		96
76) o-xylene	14.141	106	217697	45.49	ug/L		96
77) styrene	14.067	104	345597	49.92	ug/L		93
78) bromoform	13.897	173	83173	48.23	ug/L		99
79) trans-1,4-dichloro-2-b...	14.286	53	30163	48.03	ug/L	#	64
81) isopropylbenzene	14.498	105	588347	49.23	ug/L		98
83) bromobenzene	14.795	156	136604	48.47	ug/L		98
84) 1,1,2,2-tetrachloroethane	14.144	83	149921	47.76	ug/L		98
85) 1,2,3-trichloropropane	14.289	75	147553	49.42	ug/L		99
86) n-propylbenzene	14.943	91	684652	47.36	ug/L		99
87) 2-chlorotoluene	15.067	91	410484	46.51	ug/L		97
88) 4-chlorotoluene	15.141	91	422765	47.98	ug/L		98
89) 1,3,5-trimethylbenzene	15.223	105	503800	47.02	ug/L		98
90) tert-butylbenzene	15.527	91	301272	48.89	ug/L		96
91) 1,2,4-trimethylbenzene	15.629	105	490468	47.24	ug/L		100
92) sec-butylbenzene	15.746	105	693979	50.47	ug/L		100
93) 1,3-dichlorobenzene	15.855	146	273224	47.94	ug/L		99
94) p-isopropyltoluene	15.915	119	540062	51.03	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83331.D
Acq On : 17 Dec 2013 9:37 am
Operator : jaclynb
Sample : bs
Misc : ms30770,MSN3110,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 17 10:14:08 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

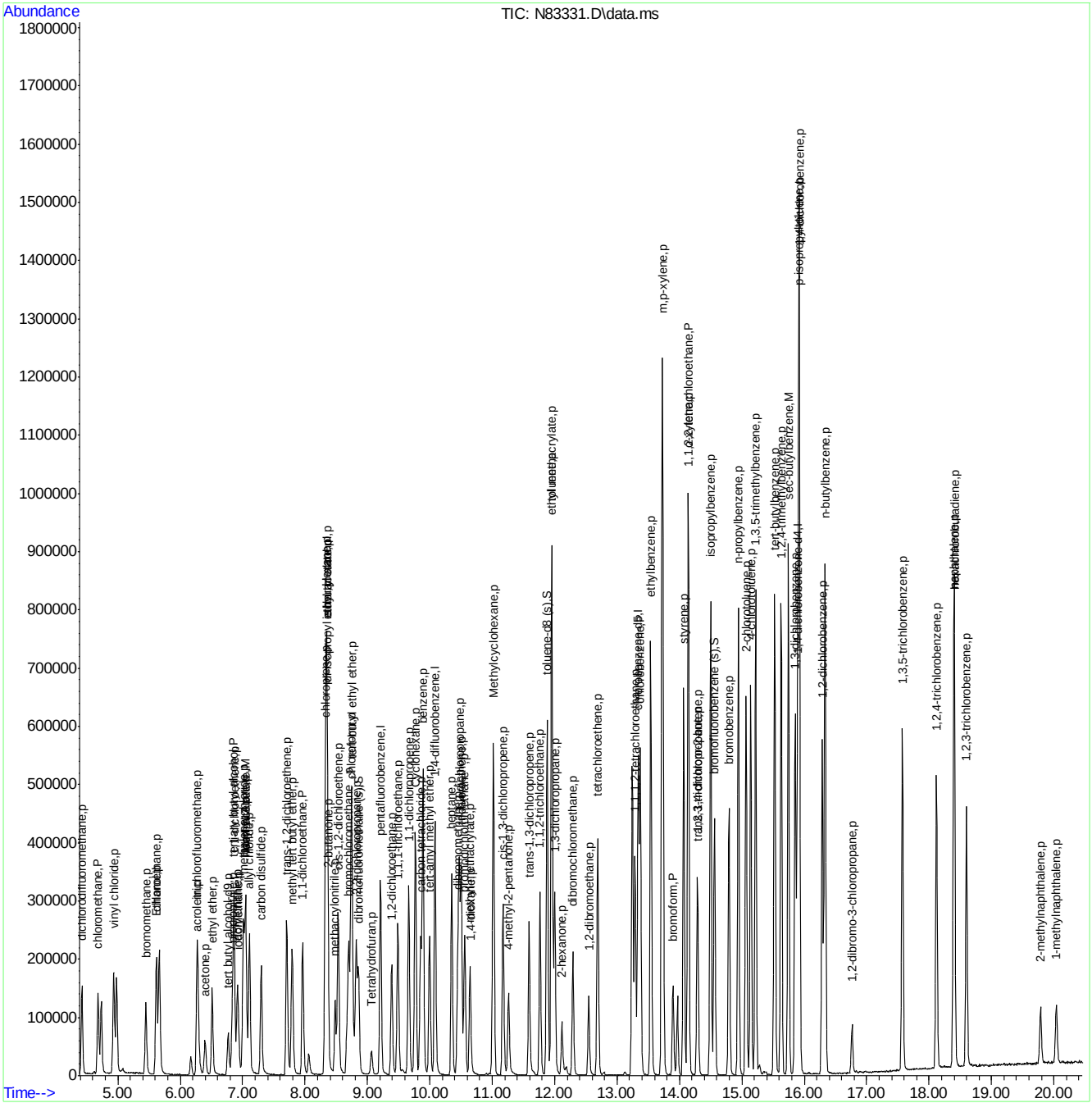
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	1,4-dichlorobenzene	15.923	146	274156	49.46	ug/L	94
96)	1,2-dichlorobenzene	16.290	146	257760	46.37	ug/L	99
97)	n-butylbenzene	16.333	91	544142	52.37	ug/L	99
98)	1,2-dibromo-3-chloropr...	16.760	75	24312	47.71	ug/L	91
99)	1,2,4-trichlorobenzene	18.118	180	176238	56.12	ug/L	98
100)	1,3,5-trichlorobenzene	17.574	180	199999	51.40	ug/L	99
101)	hexachlorobutadiene	18.408	225	128035	54.78	ug/L	100
102)	naphthalene	18.394	128	366598	57.46	ug/L	100
103)	1,2,3-trichlorobenzene	18.599	180	161112	53.38	ug/L	100
104)	2-methylnaphthalene	19.787	142	56401	26.44	ug/L	100
105)	1-methylnaphthalene	20.041	142	60775	25.31	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83331.D
Acq On : 17 Dec 2013 9:37 am
Operator : jaclynb
Sample : bs
Misc : ms30770,MSN3110,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 17 10:14:08 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/23/13 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62374.D
Acq On : 20 Dec 2013 11:48 pm
Operator : krystend
Sample : bs
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 22 10:53:02 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	103732	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	311527	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	467604	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.498	82	212996	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	281066	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	151843	55.73	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.46%			
59) toluene-d8 (s)	12.036	98	492028	60.14	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 120.28%			
81) bromofluorobenzene (s)	14.731	95	213484	55.47	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.94%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	190981	482.78	ug/kg	78
3) Ethanol	5.644	45	99359	5225.68	ug/kg#	100
5) dichlorodifluoromethane	4.424	85	144185m	56.24	ug/kg	
6) chloromethane	4.700	50	166321	41.85	ug/kg	98
7) vinyl chloride	4.970	62	135475	43.03	ug/kg	96
8) bromomethane ...	5.495	96	114796	39.95	ug/kg	96
9) chloroethane	5.664	64	80391m	47.87	ug/kg	
10) ethyl ether	6.573	59	102561	49.27	ug/kg	95
11) acetonitrile	6.580	41	32278	45.99	ug/kg	100
12) trichlorofluoromethane	6.331	101	317621	47.93	ug/kg	98
13) freon-113	7.139	101	148622	64.07	ug/kg	96
14) acrolein	6.337	56	21291	60.00	ug/kg	92
15) 1,1-dichloroethene	6.950	96	140545	63.86	ug/kg	91
16) acetone	6.546	58	20339	64.71	ug/kg#	83
17) Methyl Acetate	7.139	43	133000	41.61	ug/kg	89
18) methylene chloride	7.099	84	143019	52.86	ug/kg	89
19) methyl tert butyl ether	7.900	73	319515	48.95	ug/kg	97
20) acrylonitrile	7.004	53	107977	94.00	ug/kg	97
21) allyl chloride	7.193	41	246470	53.16	ug/kg	98
22) trans-1,2-dichloroethene	7.813	96	155361	63.86	ug/kg	94
23) iodomethane	7.004	142	341445	52.84	ug/kg	98
24) carbon disulfide	7.382	76	381158	53.31	ug/kg	99
25) propionitrile	8.156	54	18010	44.11	ug/kg	100
26) vinyl acetate	8.170	43	264606	44.68	ug/kg	98
27) chloroprene	8.439	53	307327	58.97	ug/kg	96
28) di-isopropyl ether	8.480	45	503525	48.06	ug/kg	97
29) methacrylonitrile	8.608	41	84987	45.53	ug/kg	94
30) 2-butanone	8.500	72	16827	50.53	ug/kg#	59
31) 1,1-dichloroethane	8.075	63	277018	53.88	ug/kg	96
32) tert-butyl ethyl ether	8.884	59	385747	52.32	ug/kg	97
33) isobutyl alcohol	8.877	43	79724m	278.25	ug/kg	
34) 2,2-dichloropropane	8.951	77	210791	67.81	ug/kg	99
35) cis-1,2-dichloroethene	8.655	96	170818	51.25	ug/kg	94
36) ethyl acetate	8.877	43	102542m	48.03	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62374.D
Acq On : 20 Dec 2013 11:48 pm
Operator : krystend
Sample : bs
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 22 10:53:02 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	110585	51.13	ug/kg	95
38) chloroform	8.864	83	310204	52.76	ug/kg	95
40) Tetrahydrofuran	9.194	42	46398	43.96	ug/kg	97
41) 1,1,1-trichloroethane	9.625	97	308212	52.43	ug/kg	97
43) Cyclohexane	9.914	56	235231	50.14	ug/kg	98
44) carbon tetrachloride	9.995	117	356486	55.36	ug/kg	98
45) 1,1-dichloropropene	9.800	75	199925	54.90	ug/kg	95
46) benzene	10.029	78	541850	49.13	ug/kg	98
47) 1,2-dichloroethane	9.524	62	271779	51.70	ug/kg	99
48) tert-amyl methyl ether	10.143	73	280659	49.82	ug/kg	95
49) heptane	10.507	43	245093	49.53	ug/kg	97
50) trichloroethene	10.655	95	189614	47.91	ug/kg	94
51) 1,2-dichloropropane	10.622	63	139402	49.75	ug/kg	98
52) dibromomethane	10.595	93	108489	49.98	ug/kg	90
53) bromodichloromethane	10.709	83	260226	53.94	ug/kg	97
54) Methylcyclohexane	11.181	83	241484	54.43	ug/kg	95
55) 2-chloroethyl vinyl ether	11.080	63	36061	40.36	ug/kg	99
56) methyl methacrylate	10.797	69	77335	47.08	ug/kg	89
57) 1,4-dioxane	10.804	88	6706	225.90	ug/kg	64
58) cis-1,3-dichloropropene	11.329	75	229825	49.78	ug/kg	99
60) 4-methyl-2-pentanone	11.417	43	161082	48.00	ug/kg	99
61) toluene	12.110	92	389067	53.60	ug/kg	90
62) trans-1,3-dichloropropene	11.753	75	232566	54.25	ug/kg	98
63) 1,1,2-trichloroethane	11.922	83	100273	47.30	ug/kg	95
64) ethyl methacrylate	12.117	69	160068	49.60	ug/kg	97
66) tetrachloroethene	12.851	166	226881	48.56	ug/kg	97
67) 1,3-dichloropropane	12.164	76	205918	45.91	ug/kg	100
68) dibromochloromethane	12.454	129	266094	50.25	ug/kg	96
69) 1,2-dibromoethane	12.710	107	163780	46.21	ug/kg	95
70) 2-hexanone	12.279	43	126038	45.42	ug/kg	99
71) chlorobenzene	13.539	112	542107	47.24	ug/kg	98
72) 1,1,1,2-tetrachloroethane	13.458	131	258029	52.57	ug/kg	97
73) ethylbenzene	13.707	91	805068	50.59	ug/kg	98
74) m,p-xylene	13.896	106	679475	98.52	ug/kg	98
75) o-xylene	14.307	106	344030	48.58	ug/kg	98
76) styrene	14.232	104	560995	51.25	ug/kg	96
77) bromoform	14.064	173	177188	47.47	ug/kg	97
78) trans-1,4-dichloro-2-b...	14.461	53	73256	47.58	ug/kg#	79
80) isopropylbenzene	14.670	105	938014	50.61	ug/kg	99
82) bromobenzene	14.967	156	270975	50.94	ug/kg	95
83) 1,1,2,2-tetrachloroethane	14.313	83	178983	47.41	ug/kg	98
84) 1,2,3-trichloropropane	14.461	75	207589	48.89	ug/kg	96
85) n-propylbenzene	15.115	91	899522	47.68	ug/kg	100
86) 2-chlorotoluene	15.236	91	607567	49.88	ug/kg	96
87) 4-chlorotoluene	15.310	91	603414	50.21	ug/kg	100
88) 1,3,5-trimethylbenzene	15.391	105	820704	52.12	ug/kg	99
89) tert-butylbenzene	15.701	91	462264	52.04	ug/kg	99
90) 1,2,4-trimethylbenzene	15.802	105	792324	50.92	ug/kg	99
91) sec-butylbenzene	15.923	105	1045934	50.15	ug/kg	99
92) 1,3-dichlorobenzene	16.031	146	530028	48.75	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62374.D
Acq On : 20 Dec 2013 11:48 pm
Operator : krystend
Sample : bs
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 22 10:53:02 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

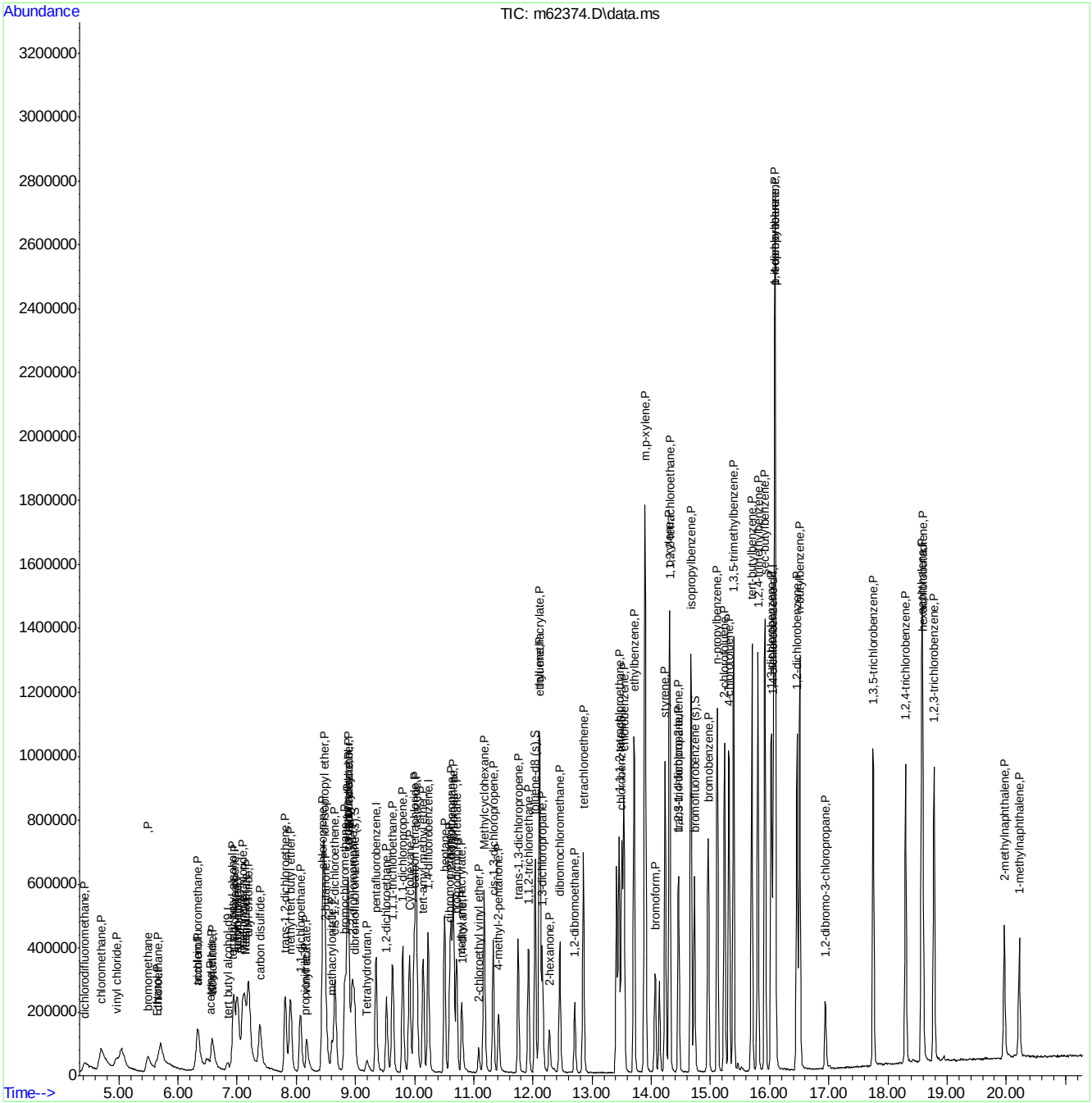
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	1015945	52.50	ug/kg	98
94) 1,4-dichlorobenzene	16.092	146	563588	50.50	ug/kg	96
95) 1,2-dichlorobenzene	16.462	146	536632	48.78	ug/kg	100
96) n-butylbenzene	16.509	91	737965	50.98	ug/kg	98
97) 1,2-dibromo-3-chloropr...	16.940	75	51403	47.10	ug/kg	99
98) 1,3,5-trichlorobenzene	17.749	180	364310	49.57	ug/kg	99
99) 1,2,4-trichlorobenzene	18.301	180	353641	48.02	ug/kg	98
100) hexachlorobutadiene	18.591	225	190732	51.62	ug/kg	97
101) naphthalene	18.571	128	1004276	49.44	ug/kg	100
102) 1,2,3-trichlorobenzene	18.779	180	356158	49.39	ug/kg	99
103) 2-methylnaphthalene	19.965	142	275380	25.01	ug/kg	99
104) 1-methylnaphthalene	20.221	TIC	891689	24.68	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62374.D
Acq On : 20 Dec 2013 11:48 pm
Operator : krystend
Sample : bs
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

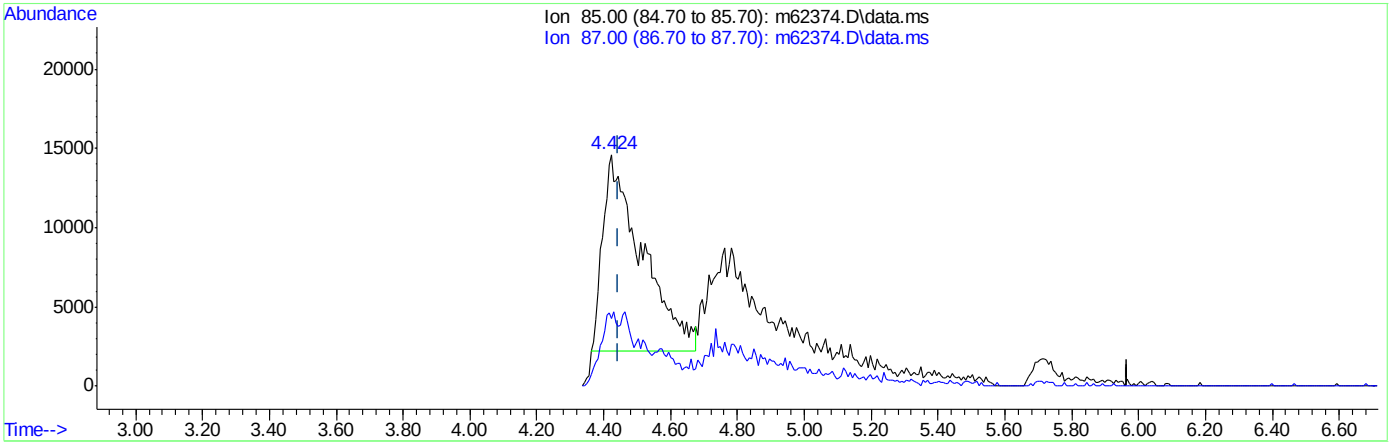
Quant Time: Dec 22 10:53:02 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

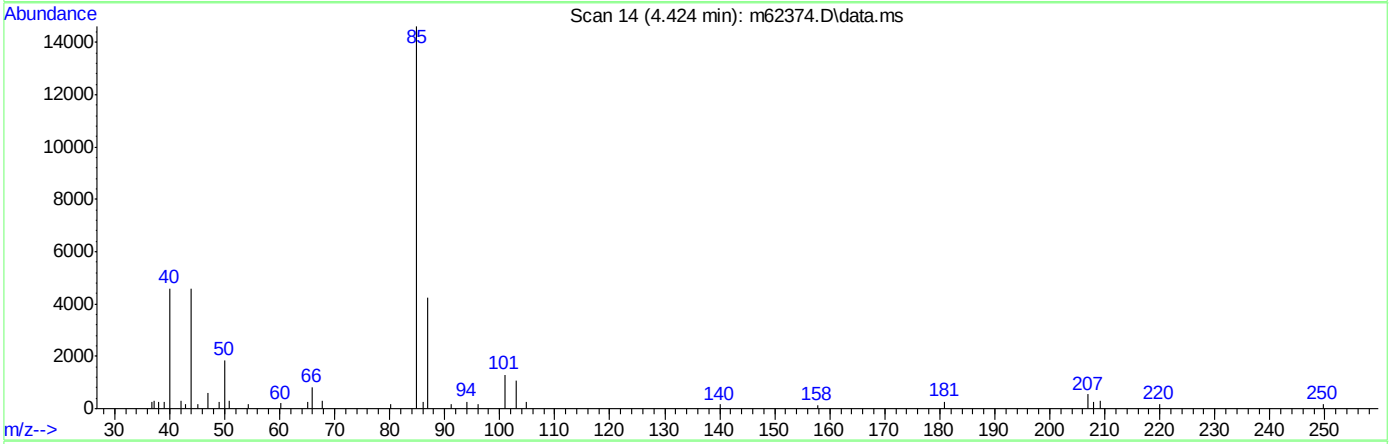


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62374.D
Acq On : 20 Dec 2013 11:48 pm
Operator : krystend
Sample : bs
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 22 09:59:48 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62374.D\data.ms

(5) dichlorodifluoromethane (P)

4.424min (-0.021) 39.04ug/kg

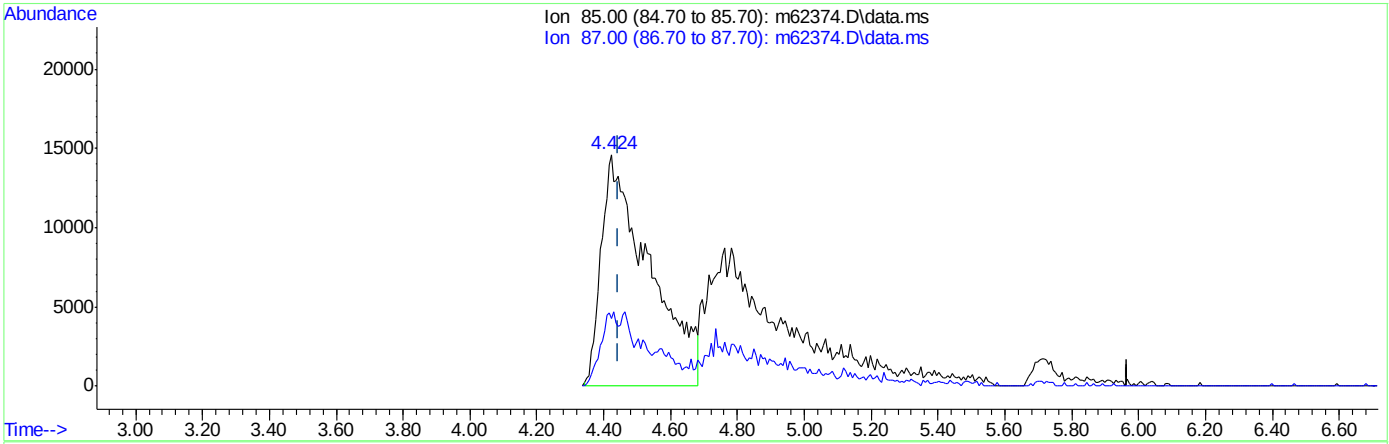
response 100096

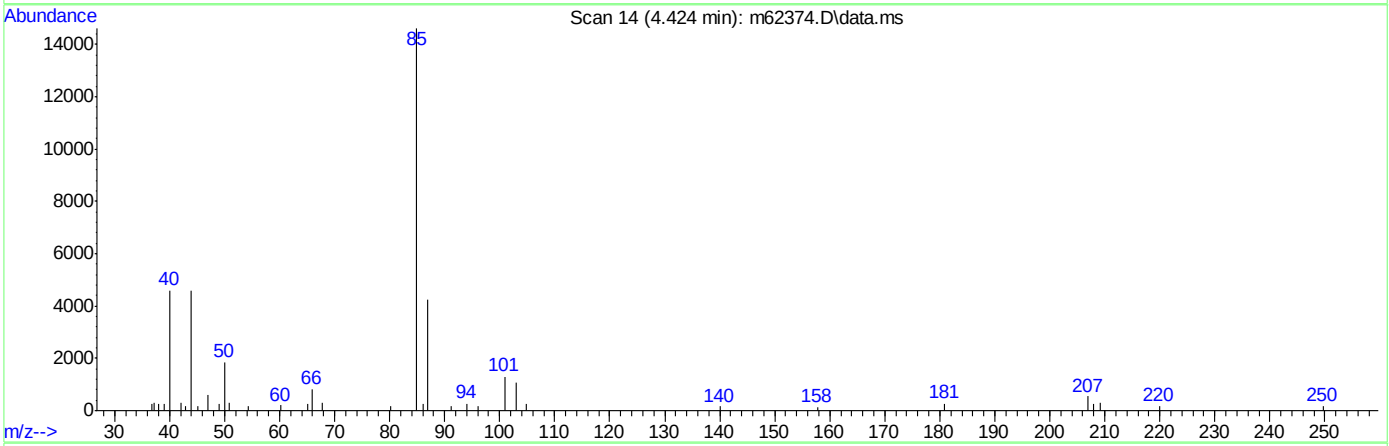
Ion	Exp%	Act%
85.00	100	100
87.00	31.20	29.02
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62374.D
Acq On : 20 Dec 2013 11:48 pm
Operator : krystend
Sample : bs
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 22 09:59:48 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62374.D\data.ms

(5) dichlorodifluoromethane (P)

4.424min (-0.021) 56.24ug/kg m

response 144185

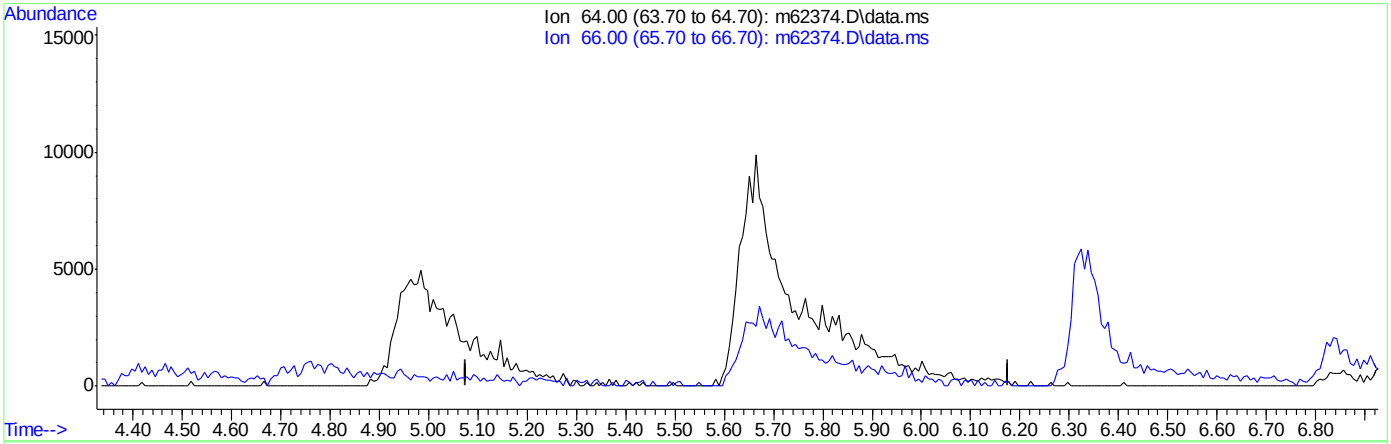
Ion	Exp%	Act%
85.00	100	100
87.00	31.20	29.12
0.00	0.00	0.00
0.00	0.00	0.00

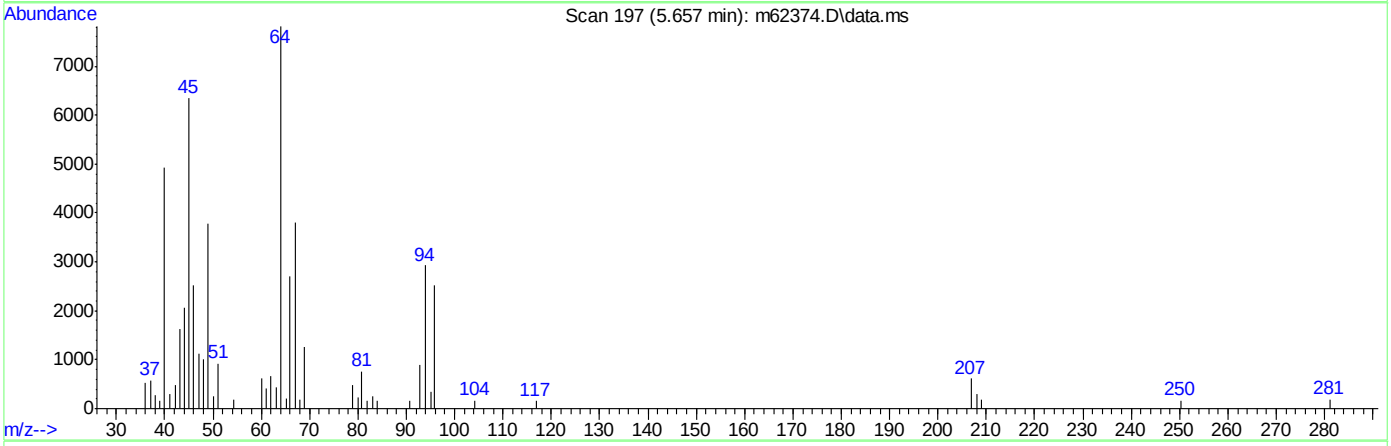
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62374.D
Acq On : 20 Dec 2013 11:48 pm
Operator : krystend
Sample : bs
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 22 09:59:48 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62374.D\data.ms

(9) chloroethane (P)

5.657min (-5.657) 0.00ug/kg

response 0

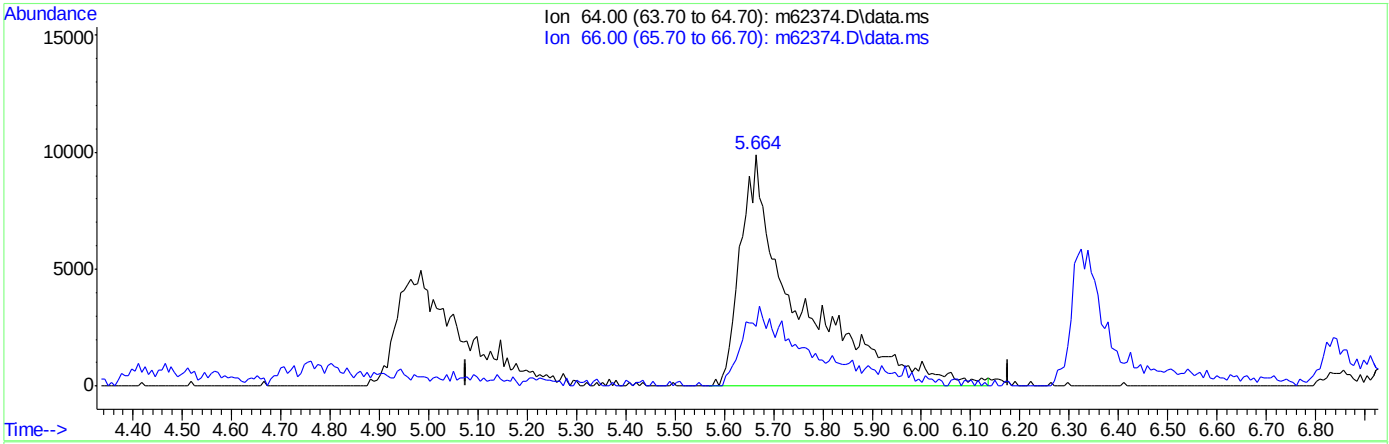
Ion	Exp%	Act%
64.00	100	0.00
66.00	30.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

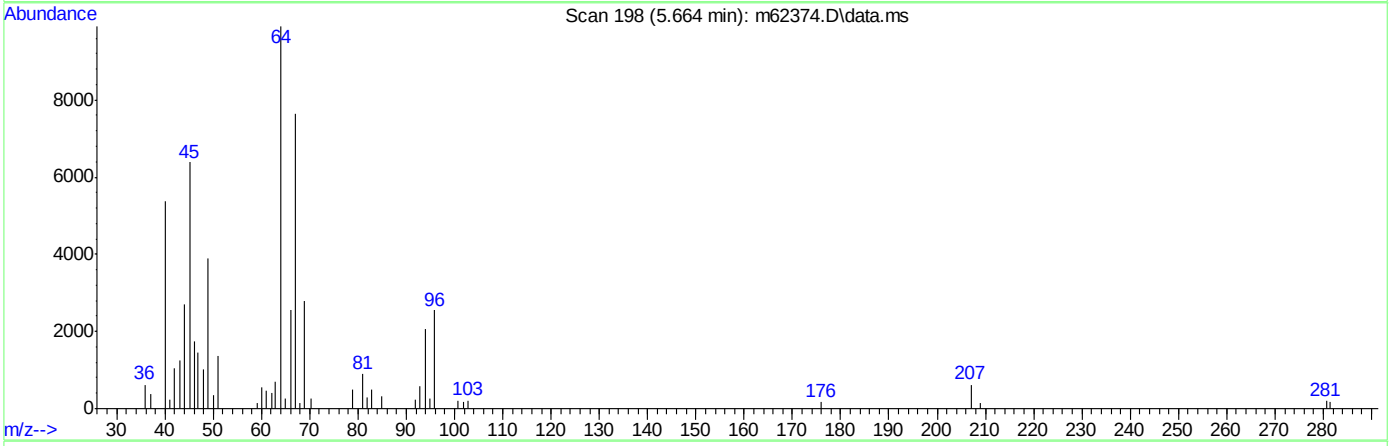
ACCUTEST LABORATORIES
MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62374.D
Acq On : 20 Dec 2013 11:48 pm
Operator : krystend
Sample : bs
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 22 09:59:48 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62374.D\data.ms

(9) chloroethane (P)

5.664min (+0.007) 47.87ug/kg m

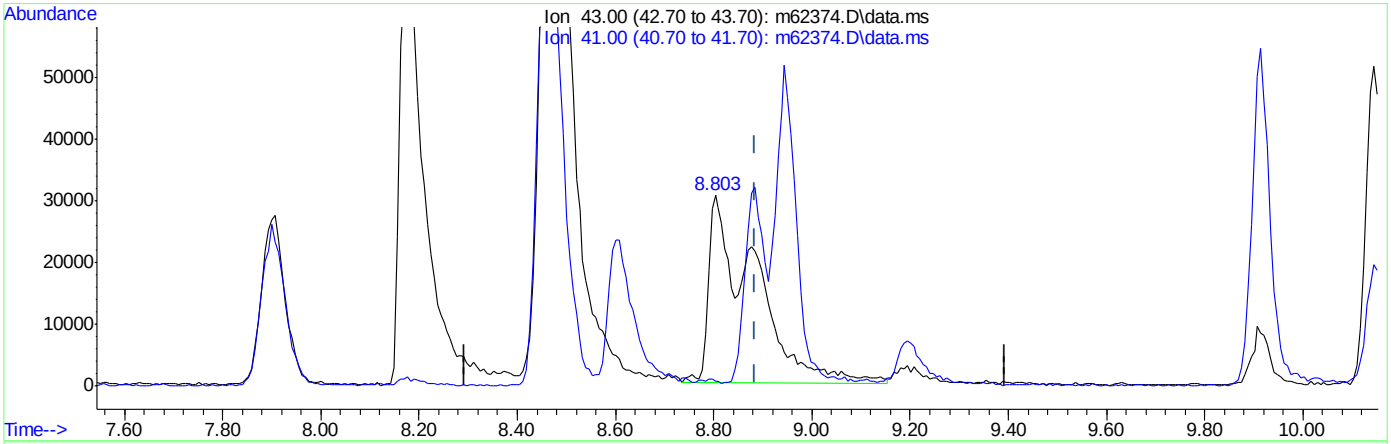
response 80391

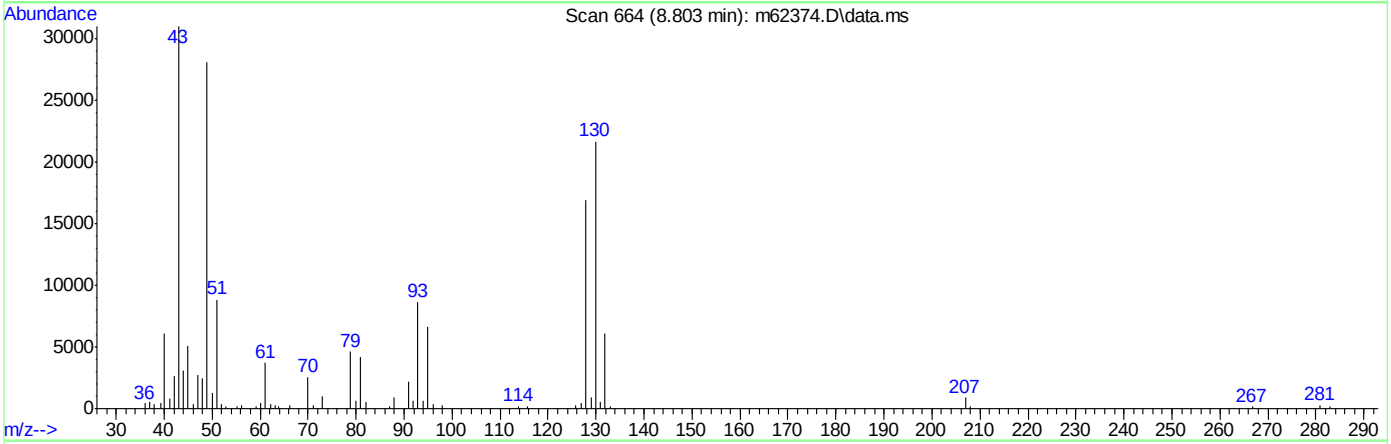
Ion	Exp%	Act%
64.00	100	100
66.00	30.40	25.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62374.D
Acq On : 20 Dec 2013 11:48 pm
Operator : krystend
Sample : bs
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 22 09:59:48 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62374.D\data.ms

(33) isobutyl alcohol (P)

8.803min (-0.081) 693.72ug/kg

response 198764

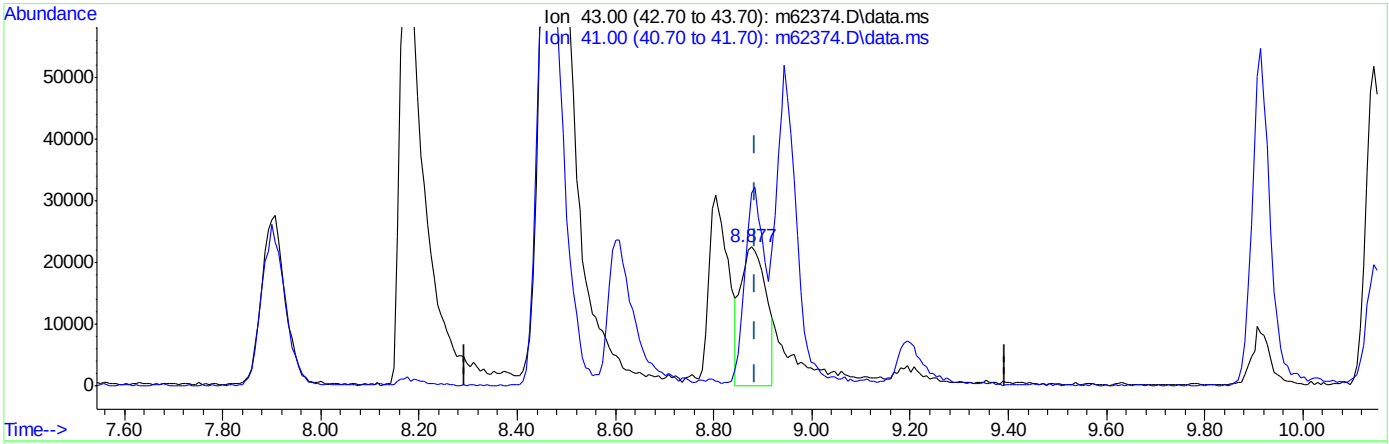
Ion	Exp%	Act%
43.00	100	100
41.00	142.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

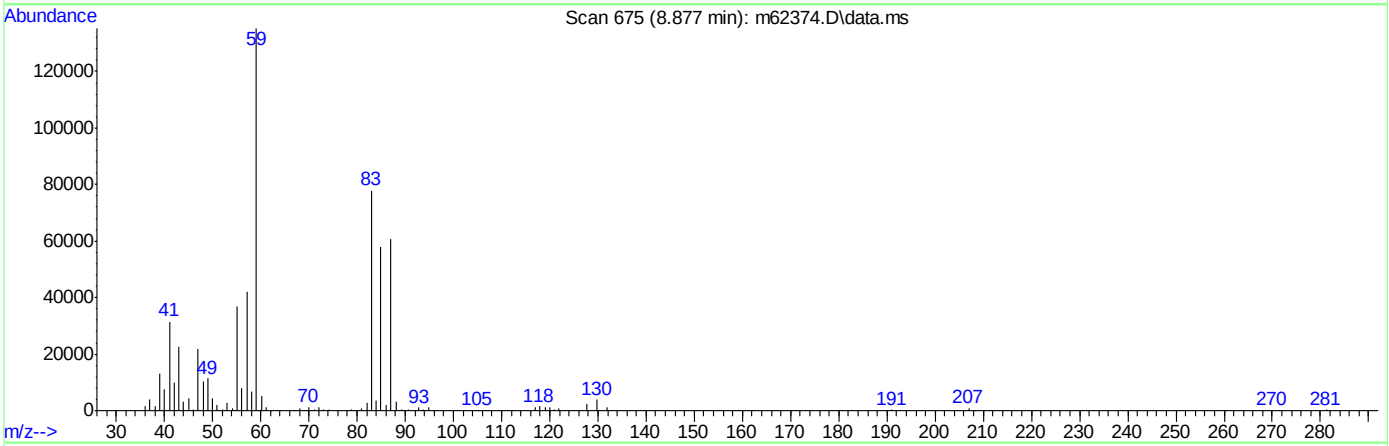
M62374.D edits: isobutyl alcohol

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62374.D
Acq On : 20 Dec 2013 11:48 pm
Operator : krystend
Sample : bs
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 22 09:59:48 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62374.D\data.ms

(33) isobutyl alcohol (P)

8.877min (-0.007) 278.25ug/kg m

response 79724

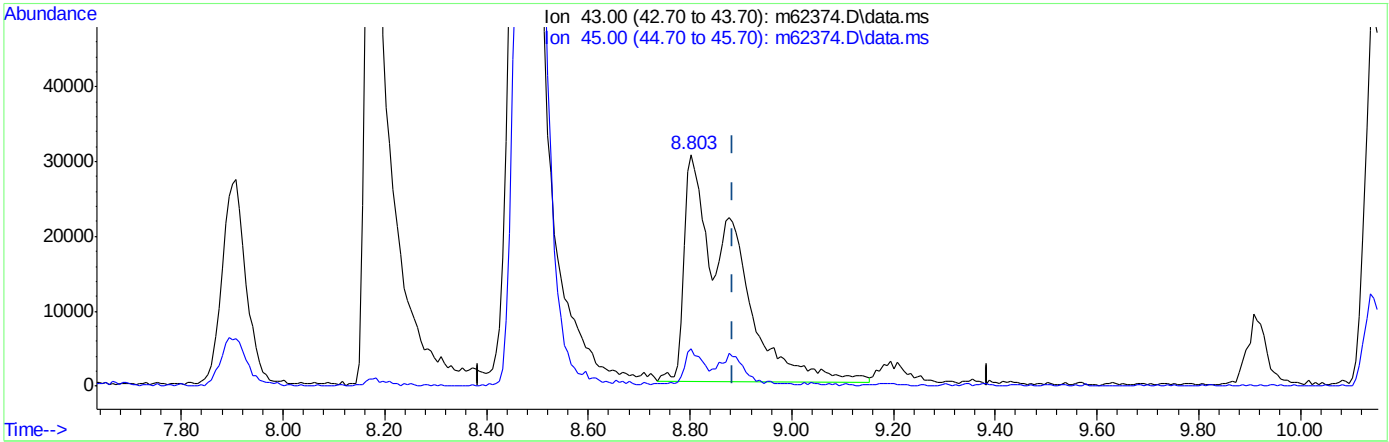
Ion	Exp%	Act%
43.00	100	100
41.00	142.20	139.13
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES
MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62374.D
Acq On : 20 Dec 2013 11:48 pm
Operator : krystend
Sample : bs
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 22 09:59:48 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration



TIC: m62374.D\data.ms

(36) ethyl acetate (P)

8.803min (-0.081) 93.08ug/kg

response 198714

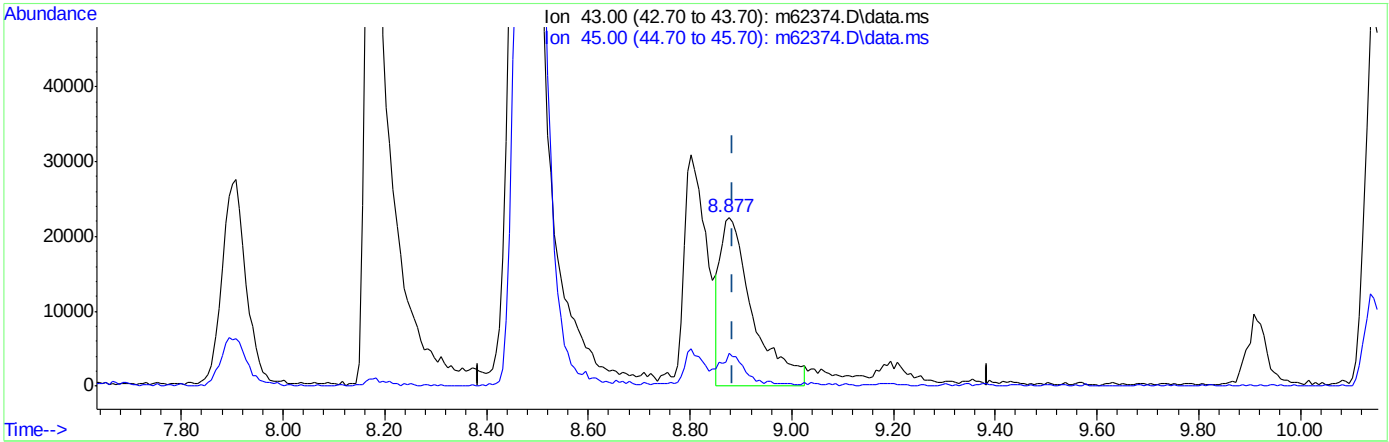
Ion	Exp%	Act%
43.00	100	100
45.00	19.90	16.13
0.00	0.00	0.00
0.00	0.00	0.00

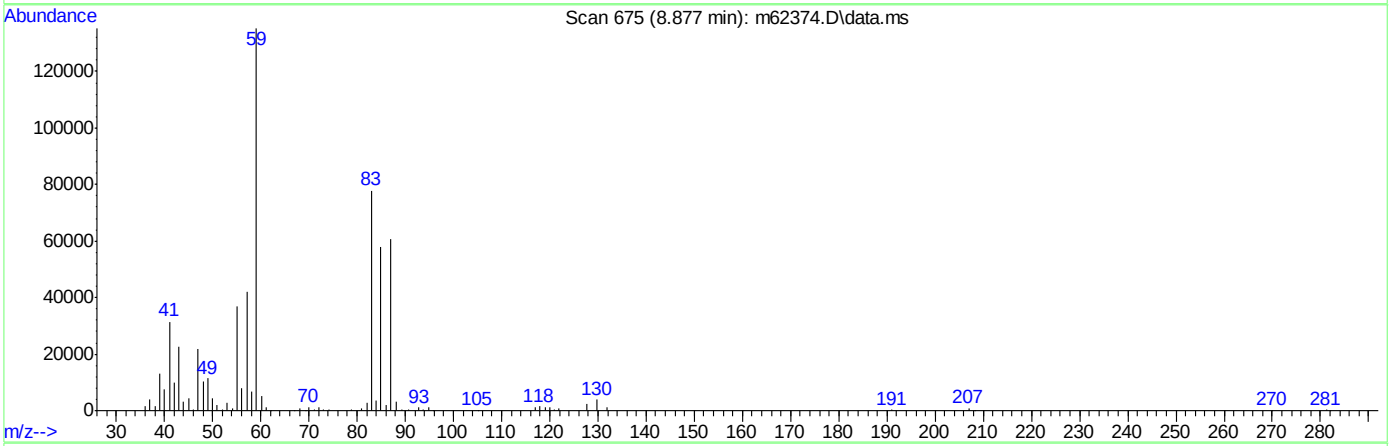
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62374.D
Acq On : 20 Dec 2013 11:48 pm
Operator : krystend
Sample : bs
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 22 09:59:48 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62374.D\data.ms

(36) ethyl acetate (P)

8.877min (-0.007) 48.03ug/kg m

response 102542

Ion	Exp%	Act%
43.00	100	100
45.00	19.90	19.24
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83350.D
Acq On : 17 Dec 2013 6:28 pm
Operator : jaclynb
Sample : mc26968-22ms
Misc : ms30790,MSN3110,,,,5,5
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 18 08:35:40 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.770	65	97193	500.00	ug/L	#	0.00
4) pentafluorobenzene	9.213	168	237937	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.086	114	361527	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	196396	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.891	152	168012	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.855	113	106068	45.61	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.22%				
60) toluene-d8 (s)	11.882	98	435449	49.87	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.74%				
82) bromofluorobenzene (s)	14.558	95	170566	48.04	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.08%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.858	59	157383	611.82	ug/L		97
3) Ethanol	5.614	45	215108	5610.46	ug/L		100
5) dichlorodifluoromethane	4.426	85	156093	47.07	ug/L		98
6) chloromethane	4.684	50	178223	54.90	ug/L		100
7) vinyl chloride	4.935	62	180121	45.12	ug/L		99
8) bromomethane	5.447	96	73236	50.84	ug/L		99
9) chloroethane	5.617	64	102899	59.80	ug/L		95
10) ethyl ether	6.512	59	107035	43.73	ug/L		90
12) trichlorofluoromethane	6.275	101	216203	47.87	ug/L		99
13) freon-113	7.052	101	115573	45.83	ug/L		99
14) acrolein	6.268	56	22648	40.73	ug/L		94
15) 1,1-dichloroethene	6.865	96	103721	52.74	ug/L		90
16) acetone	6.398	58	15113	49.72	ug/L	#	76
17) Methyl Acetate	7.038	43	154100	38.31	ug/L		94
18) methylene chloride	7.014	84	127232	45.14	ug/L	#	80
19) methyl tert butyl ether	7.795	73	271377	46.16	ug/L		96
20) acrylonitrile	6.915	53	107031	101.17	ug/L		98
21) allyl chloride	7.109	41	190358	47.07	ug/L		93
22) trans-1,2-dichloroethene	7.710	96	118747	45.92	ug/L		95
23) iodomethane	6.929	142	103139	42.52	ug/L		95
24) carbon disulfide	7.296	76	337250	42.39	ug/L		99
25) propionitrile	6.840	54	2555	55.48	ug/L		100
26) vinyl acetate	7.038	43	154100	38.31	ug/L		99
27) chloroprene	8.325	53	220978	52.74	ug/L		86
28) di-isopropyl ether	8.353	45	478228	48.49	ug/L		92
29) methacrylonitrile	8.484	41	87915	51.42	ug/L		89
30) 2-butanone	8.371	72	15112	50.76	ug/L	#	15
31) Hexane	8.343	41	180708	41.24	ug/L	#	97
32) 1,1-dichloroethane	7.961	63	253262	46.50	ug/L		96
33) tert-butyl ethyl ether	8.749	59	293162	46.99	ug/L		94
34) isobutyl alcohol	8.357	43	376225	226.51	ug/L		97
35) 2,2-dichloropropane	8.820	77	93765	32.03	ug/L		99
36) cis-1,2-dichloroethene	8.534	96	133761	45.82	ug/L		94
37) ethyl acetate	8.357	43	376694	45.00	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83350.D
Acq On : 17 Dec 2013 6:28 pm
Operator : jaclynb
Sample : mc26968-22ms
Misc : ms30790,MSN3110,,,,5,5
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 18 08:35:40 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.700	128	62038	50.11	ug/L	#	88
39) chloroform	8.735	83	232111	46.19	ug/L		97
41) Tetrahydrofuran	9.064	42	39883	51.68	ug/L		90
42) 1,1,1-trichloroethane	9.488	97	188127	51.47	ug/L		99
44) Cyclohexane	9.771	56	238238	48.44	ug/L		93
45) carbon tetrachloride	9.852	117	162743	54.97	ug/L		99
46) 1,1-dichloropropene	9.662	75	178310	52.77	ug/L		98
47) benzene	9.891	78	528748	48.16	ug/L		97
48) 1,2-dichloroethane	9.389	62	182758	46.66	ug/L		99
49) tert-amyl methyl ether	9.997	73	229346	49.82	ug/L		94
50) heptane	10.351	43	115964	33.50	ug/L		86
51) trichloroethene	10.506	95	142558	50.25	ug/L		99
52) 1,2-dichloropropane	10.471	63	156629	50.88	ug/L		100
53) dibromomethane	10.450	93	82729	49.61	ug/L		94
54) bromodichloromethane	10.560	83	189395	50.02	ug/L		96
55) Methylcyclohexane	11.019	83	233206	49.54	ug/L		93
57) methyl methacrylate	10.644	69	88727	54.36	ug/L		84
58) 1,4-dioxane	10.648	88	8010	307.04	ug/L		78
59) cis-1,3-dichloropropene	11.175	75	188651	46.94	ug/L		98
61) 4-methyl-2-pentanone	11.259	43	148904	58.54	ug/L		93
62) toluene	11.952	92	319262	51.19	ug/L		95
63) trans-1,3-dichloropropene	11.588	75	167828	49.97	ug/L		99
64) 1,1,2-trichloroethane	11.765	83	108924	51.14	ug/L		96
65) ethyl methacrylate	11.959	69	170277	57.08	ug/L		86
67) tetrachloroethene	12.691	166	141162	48.10	ug/L		93
68) 1,3-dichloropropane	12.002	76	205149	49.94	ug/L		99
69) dibromochloromethane	12.295	129	138731	51.20	ug/L		97
70) 1,2-dibromoethane	12.546	107	124143	51.37	ug/L		100
71) 2-hexanone	12.115	43	103300	60.01	ug/L		94
72) chlorobenzene	13.374	112	342677	47.59	ug/L		97
73) 1,1,1,2-tetrachloroethane	13.289	131	124488	50.92	ug/L		99
74) ethylbenzene	13.543	91	647405	50.51	ug/L		99
75) m,p-xylene	13.727	106	489578	97.39	ug/L		95
76) o-xylene	14.141	106	245469	48.74	ug/L		93
77) styrene	14.067	104	389264	53.44	ug/L		95
78) bromoform	13.897	173	97293	53.62	ug/L		98
79) trans-1,4-dichloro-2-b...	14.289	53	30800	46.61	ug/L	#	17
81) isopropylbenzene	14.498	105	655958	51.69	ug/L		100
83) bromobenzene	14.795	156	151769	50.70	ug/L		99
84) 1,1,2,2-tetrachloroethane	14.141	83	177246	53.17	ug/L		95
85) 1,2,3-trichloropropane	14.289	75	167873	52.94	ug/L		98
86) n-propylbenzene	14.943	91	762264	49.65	ug/L		99
87) 2-chlorotoluene	15.071	91	463029	49.40	ug/L		100
88) 4-chlorotoluene	15.145	91	478320	51.12	ug/L		99
89) 1,3,5-trimethylbenzene	15.219	105	563481	49.53	ug/L		96
90) tert-butylbenzene	15.527	91	344477	52.64	ug/L		98
91) 1,2,4-trimethylbenzene	15.629	105	547887	49.69	ug/L		98
92) sec-butylbenzene	15.746	105	785806	53.81	ug/L		99
93) 1,3-dichlorobenzene	15.855	146	302761	50.02	ug/L		99
94) p-isopropyltoluene	15.916	119	607659	54.07	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83350.D
Acq On : 17 Dec 2013 6:28 pm
Operator : jaclynb
Sample : mc26968-22ms
Misc : ms30790,MSN3110,,,,5,5
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 18 08:35:40 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

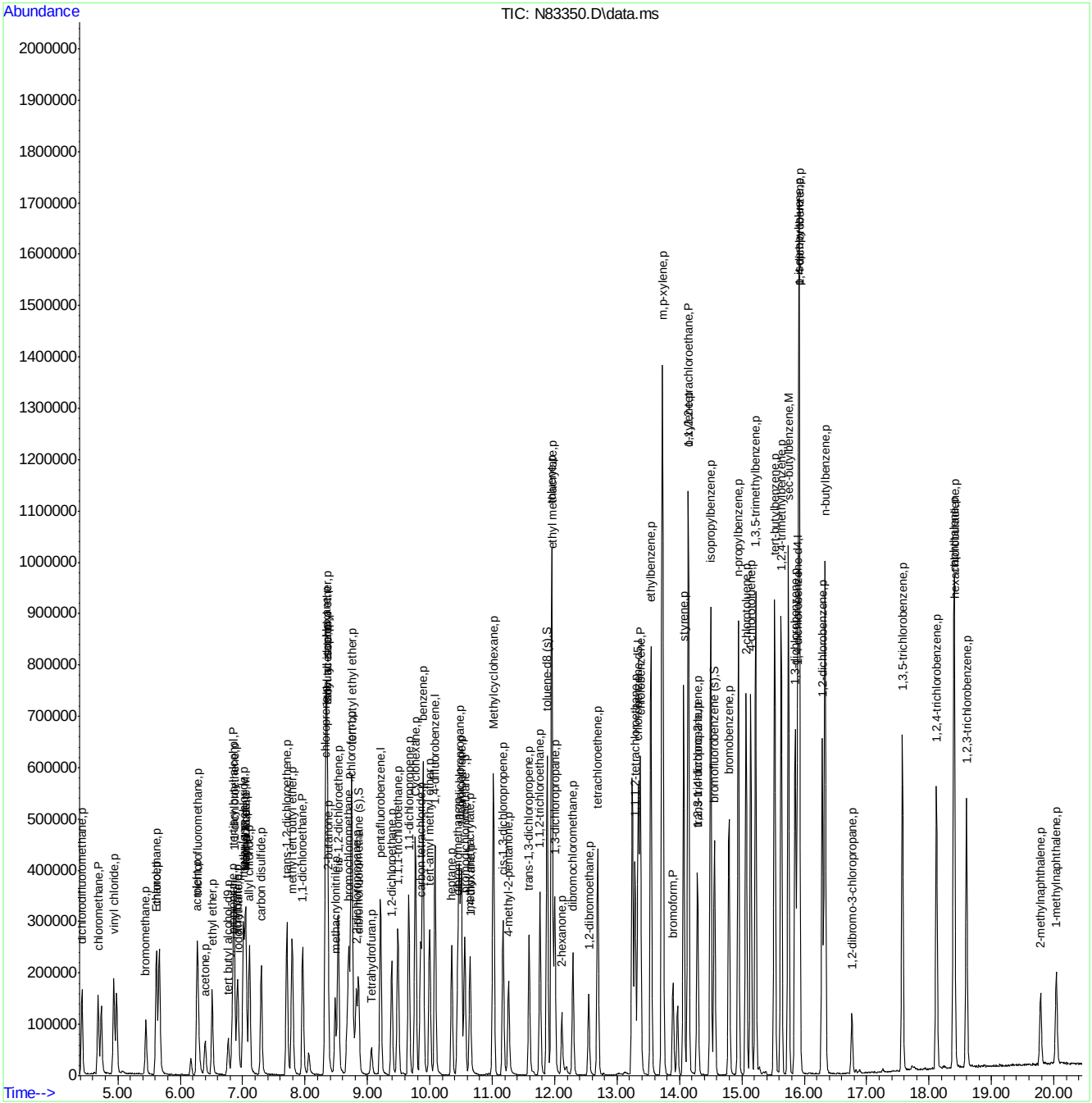
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	1,4-dichlorobenzene	15.919	146	304336	51.70	ug/L	98
96)	1,2-dichlorobenzene	16.290	146	292355	49.53	ug/L	99
97)	n-butylbenzene	16.333	91	604456	54.78	ug/L	99
98)	1,2-dibromo-3-chloropr...	16.764	75	30609	56.56	ug/L	87
99)	1,2,4-trichlorobenzene	18.118	180	197700	59.28	ug/L	99
100)	1,3,5-trichlorobenzene	17.574	180	222958	53.95	ug/L	100
101)	hexachlorobutadiene	18.408	225	140467	56.59	ug/L	94
102)	naphthalene	18.394	128	457247	67.48	ug/L	100
103)	1,2,3-trichlorobenzene	18.602	180	191952	59.88	ug/L	97
104)	2-methylnaphthalene	19.787	142	82799	32.95	ug/L	100
105)	1-methylnaphthalene	20.038	142	105391	38.54	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83350.D
Acq On : 17 Dec 2013 6:28 pm
Operator : jaclynb
Sample : mc26968-22ms
Misc : ms30790,MSN3110,,,,5,5
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 18 08:35:40 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/18/13 10:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83351.D
Acq On : 17 Dec 2013 6:55 pm
Operator : jaclynb
Sample : mc26968-22msd
Misc : ms30790,MSN3110,,,,5,5
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Dec 18 10:13:17 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.770	65	79539	500.00	ug/L	#	0.00
4) pentafluorobenzene	9.213	168	246678	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	371140	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	199167	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	168606	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.856	113	108986	45.20	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.40%				
60) toluene-d8 (s)	11.878	98	443015	49.43	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.86%				
82) bromofluorobenzene (s)	14.562	95	168859	47.39	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.78%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.855	59	133963	636.36	ug/L		92
3) Ethanol	5.617	45	188972m	6022.74	ug/L		
5) dichlorodifluoromethane	4.422	85	162560	47.29	ug/L		100
6) chloromethane	4.684	50	195923	58.21	ug/L		99
7) vinyl chloride	4.938	62	185027	44.71	ug/L		98
8) bromomethane	5.447	96	91450	61.24	ug/L		96
9) chloroethane	5.621	64	106827	59.88	ug/L		97
10) ethyl ether	6.512	59	109986	43.35	ug/L		95
12) trichlorofluoromethane	6.275	101	226930	48.46	ug/L		100
13) freon-113	7.053	101	118373	45.28	ug/L		95
14) acrolein	6.268	56	21045	36.50	ug/L		94
15) 1,1-dichloroethene	6.865	96	107592	52.77	ug/L		87
16) acetone	6.398	58	13610	41.13	ug/L		90
17) Methyl Acetate	7.038	43	144293	34.60	ug/L		96
18) methylene chloride	7.014	84	131191	44.89	ug/L	#	78
19) methyl tert butyl ether	7.795	73	262003	42.99	ug/L		93
20) acrylonitrile	6.911	53	104018	94.84	ug/L		98
21) allyl chloride	7.109	41	195383	46.60	ug/L		91
22) trans-1,2-dichloroethene	7.710	96	121941	45.48	ug/L		88
23) iodomethane	6.925	142	115844	45.69	ug/L		98
24) carbon disulfide	7.296	76	347664	42.16	ug/L		99
25) propionitrile	6.826	54	3011	65.88	ug/L		100
26) vinyl acetate	7.038	43	144293	34.60	ug/L		98
27) chloroprene	8.329	53	227191	52.31	ug/L		90
28) di-isopropyl ether	8.354	45	496763	48.59	ug/L		90
29) methacrylonitrile	8.481	41	79440	44.82	ug/L		90
30) 2-butanone	8.371	72	13611	44.10	ug/L	#	1
31) Hexane	8.343	41	186326	41.02	ug/L		92
32) 1,1-dichloroethane	7.961	63	264063	46.77	ug/L		97
33) tert-butyl ethyl ether	8.749	59	275568	43.46	ug/L		95
34) isobutyl alcohol	8.350	43	379888	220.61	ug/L		78
35) 2,2-dichloropropane	8.824	77	100657	33.06	ug/L		100
36) cis-1,2-dichloroethene	8.530	96	137739	45.51	ug/L		97
37) ethyl acetate	8.350	43	378956	43.67	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83351.D
Acq On : 17 Dec 2013 6:55 pm
Operator : jaclynb
Sample : mc26968-22msd
Misc : ms30790,MSN3110,,,,5,5
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Dec 18 10:13:17 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.696	128	63067	49.14	ug/L		90
39) chloroform	8.735	83	239550	45.98	ug/L		97
41) Tetrahydrofuran	9.064	42	35103	43.88	ug/L		96
42) 1,1,1-trichloroethane	9.488	97	196174	51.77	ug/L		97
44) Cyclohexane	9.768	56	245533	48.63	ug/L		91
45) carbon tetrachloride	9.849	117	166278	54.71	ug/L		100
46) 1,1-dichloropropene	9.662	75	181347	52.28	ug/L		96
47) benzene	9.888	78	534428	47.41	ug/L		100
48) 1,2-dichloroethane	9.386	62	184270	45.82	ug/L		99
49) tert-amyl methyl ether	9.994	73	212330	44.93	ug/L		94
50) heptane	10.351	43	117806	33.15	ug/L		91
51) trichloroethene	10.503	95	146808	50.40	ug/L		98
52) 1,2-dichloropropane	10.471	63	161686	51.17	ug/L		99
53) dibromomethane	10.443	93	81554	47.64	ug/L		96
54) bromodichloromethane	10.560	83	190433	48.99	ug/L		96
55) Methylcyclohexane	11.019	83	241311	49.93	ug/L		94
57) methyl methacrylate	10.648	69	84015	50.14	ug/L	#	78
58) 1,4-dioxane	10.648	88	6711	250.58	ug/L		84
59) cis-1,3-dichloropropene	11.171	75	193332	46.85	ug/L		99
61) 4-methyl-2-pentanone	11.263	43	132307	50.66	ug/L		93
62) toluene	11.952	92	327616	51.17	ug/L		93
63) trans-1,3-dichloropropene	11.588	75	164674	47.76	ug/L		98
64) 1,1,2-trichloroethane	11.765	83	107953	49.37	ug/L		99
65) ethyl methacrylate	11.960	69	161373	52.69	ug/L		87
67) tetrachloroethene	12.691	166	143624	48.26	ug/L		96
68) 1,3-dichloropropane	11.998	76	203461	48.84	ug/L		97
69) dibromochloromethane	12.295	129	139503	50.77	ug/L		96
70) 1,2-dibromoethane	12.546	107	120205	49.05	ug/L		95
71) 2-hexanone	12.115	43	89698	51.39	ug/L		92
72) chlorobenzene	13.374	112	350200	47.96	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.285	131	126168	50.89	ug/L		98
74) ethylbenzene	13.543	91	661567	50.89	ug/L		99
75) m,p-xylene	13.727	106	500509	98.17	ug/L		97
76) o-xylene	14.141	106	246151	48.20	ug/L		96
77) styrene	14.067	104	392035	53.07	ug/L		93
78) bromoform	13.897	173	94147	51.16	ug/L		98
79) trans-1,4-dichloro-2-b...	14.286	53	28104	41.94	ug/L	#	32
81) isopropylbenzene	14.498	105	664239	52.16	ug/L		100
83) bromobenzene	14.791	156	152782	50.86	ug/L		97
84) 1,1,2,2-tetrachloroethane	14.141	83	164772	49.25	ug/L		96
85) 1,2,3-trichloropropane	14.289	75	155867	48.98	ug/L		98
86) n-propylbenzene	14.943	91	765010	49.65	ug/L		98
87) 2-chlorotoluene	15.067	91	461005	49.02	ug/L		99
88) 4-chlorotoluene	15.141	91	478927	51.00	ug/L		100
89) 1,3,5-trimethylbenzene	15.219	105	560956	49.13	ug/L		99
90) tert-butylbenzene	15.527	91	345695	52.64	ug/L		98
91) 1,2,4-trimethylbenzene	15.629	105	546985	49.43	ug/L		99
92) sec-butylbenzene	15.746	105	784491	53.53	ug/L		99
93) 1,3-dichlorobenzene	15.852	146	303301	49.94	ug/L		97
94) p-isopropyltoluene	15.916	119	605784	53.71	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83351.D
Acq On : 17 Dec 2013 6:55 pm
Operator : jaclynb
Sample : mc26968-22msd
Misc : ms30790,MSN3110,,,,5,5
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Dec 18 10:13:17 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

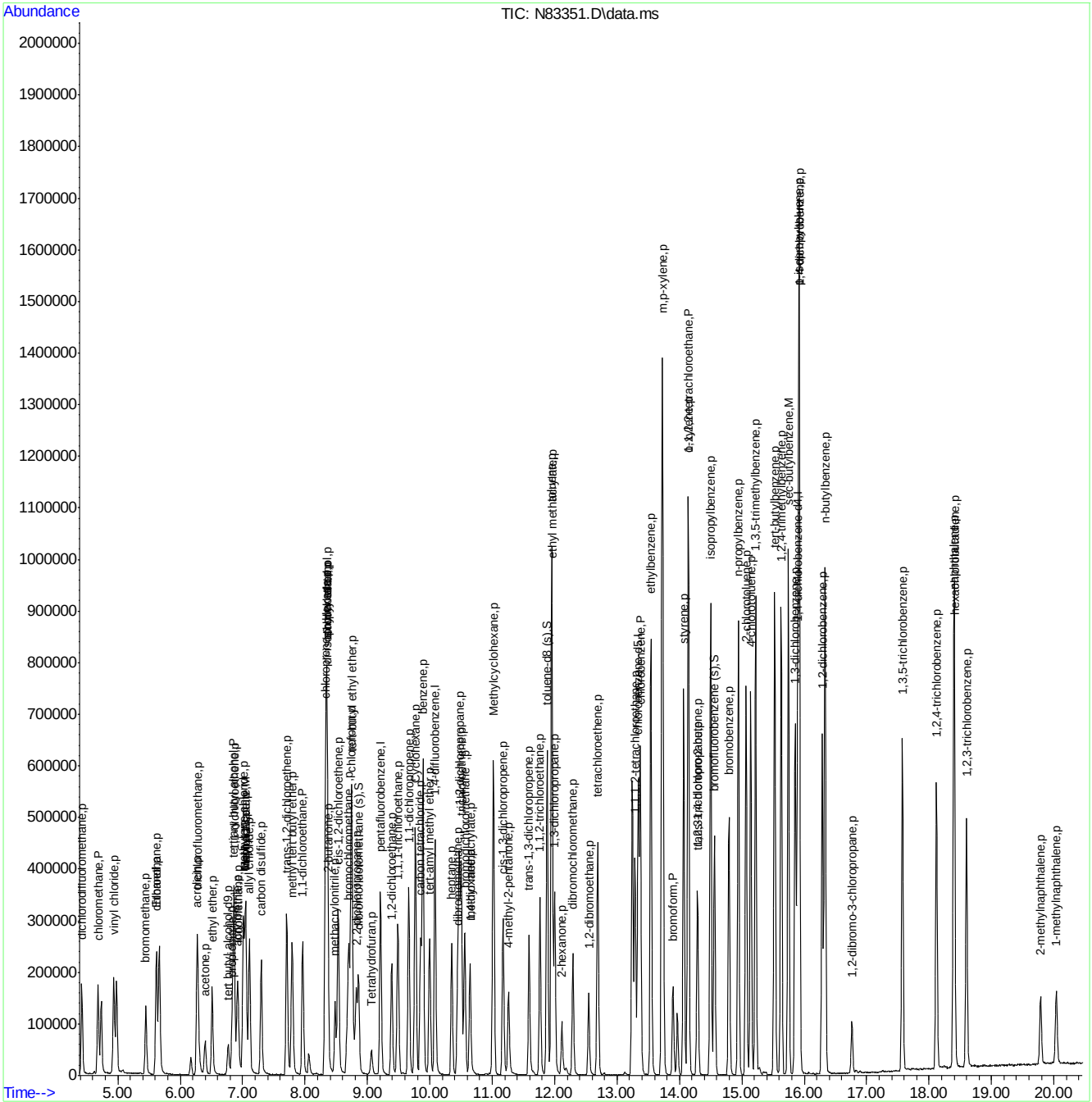
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) 1,4-dichlorobenzene	15.919	146	306400	51.87	ug/L	95
96) 1,2-dichlorobenzene	16.290	146	291148	49.15	ug/L	100
97) n-butylbenzene	16.333	91	597812	53.98	ug/L	99
98) 1,2-dibromo-3-chloropr...	16.764	75	27094	49.89	ug/L	95
99) 1,2,4-trichlorobenzene	18.118	180	195280	58.35	ug/L	96
100) 1,3,5-trichlorobenzene	17.574	180	218412	52.67	ug/L	99
101) hexachlorobutadiene	18.408	225	139107	55.85	ug/L	97
102) naphthalene	18.394	128	426386	62.71	ug/L	100
103) 1,2,3-trichlorobenzene	18.602	180	181897	56.55	ug/L	97
104) 2-methylnaphthalene	19.790	142	81085m	32.38	ug/L	
105) 1-methylnaphthalene	20.041	142	87624	32.68	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83351.D
Acq On : 17 Dec 2013 6:55 pm
Operator : jaclynb
Sample : mc26968-22msd
Misc : ms30790,MSN3110,,,,5,5
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Dec 18 10:13:17 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/23/13 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62392.D
Acq On : 21 Dec 2013 8:39 am
Operator : krystend
Sample : mc27183-12ms
Misc : MS30848,MSM2180,4.905,,,5,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Dec 22 11:07:09 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	168473	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	276000	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	402889	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	188199	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	255659	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	139768	57.88	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 115.76%			
59) toluene-d8 (s)	12.037	98	426624	60.52	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 121.04%			
81) bromofluorobenzene (s)	14.731	95	193177	55.18	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.36%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	182757	284.45	ug/kg	83
3) Ethanol	5.644	45	67178	2175.43	ug/kg#	100
5) dichlorodifluoromethane	4.424	85	93835	41.31	ug/kg	94
6) chloromethane	4.714	50	122891	34.90	ug/kg	100
7) vinyl chloride	4.963	62	106134	38.05	ug/kg	96
8) bromomethane ...	5.495	96	83691	32.88	ug/kg	84
9) chloroethane	5.664	64	59776m	40.18	ug/kg	
10) ethyl ether	6.580	59	70132	38.03	ug/kg	82
11) acetonitrile	6.486	41	25977	41.78	ug/kg#	19
12) trichlorofluoromethane	6.338	101	263708	44.92	ug/kg	100
13) freon-113	7.139	101	115055	55.99	ug/kg	96
14) acrolein	6.358	56	8269	26.30	ug/kg	92
15) 1,1-dichloroethene	6.951	96	107170	54.94	ug/kg	88
16) acetone	6.526	58	13754	49.39	ug/kg#	1
17) Methyl Acetate	7.139	43	89290	31.53	ug/kg	86
18) methylene chloride	7.099	84	91843	38.31	ug/kg	89
19) methyl tert butyl ether	7.907	73	223507	38.65	ug/kg	95
20) acrylonitrile	7.011	53	89735	88.18	ug/kg	95
21) allyl chloride	7.193	41	170576	41.53	ug/kg	99
22) trans-1,2-dichloroethene	7.813	96	110016	50.94	ug/kg	92
23) iodomethane	7.011	142	239502	41.84	ug/kg	97
24) carbon disulfide	7.388	76	285265	45.03	ug/kg	99
25) propionitrile	8.170	54	15586	43.08	ug/kg	100
26) vinyl acetate	8.183	43	147061	28.03	ug/kg	99
27) chloroprene	8.439	53	240408	52.07	ug/kg	91
28) di-isopropyl ether	8.480	45	346311	37.31	ug/kg	91
29) methacrylonitrile	8.601	41	68078	41.17	ug/kg	95
30) 2-butanone	8.513	72	13469	45.65	ug/kg#	50
31) 1,1-dichloroethane	8.069	63	194518	42.71	ug/kg	96
32) tert-butyl ethyl ether	8.884	59	264333	40.47	ug/kg	99
33) isobutyl alcohol	8.884	43	60385m	237.88	ug/kg	
34) 2,2-dichloropropane	8.951	77	157184	56.46	ug/kg	97
35) cis-1,2-dichloroethene	8.655	96	116618	39.49	ug/kg	99
36) ethyl acetate	8.884	43	88913m	47.01	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62392.D
Acq On : 21 Dec 2013 8:39 am
Operator : krystend
Sample : mc27183-12ms
Misc : MS30848,MSM2180,4.905,,,5,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Dec 22 11:07:09 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	bromochloromethane	8.830	128	73800	38.51	ug/kg	84
38)	chloroform	8.864	83	216132	41.49	ug/kg	99
40)	Tetrahydrofuran	9.200	42	41110	43.97	ug/kg	96
41)	1,1,1-trichloroethane	9.625	97	234146	44.96	ug/kg	99
43)	Cyclohexane	9.915	56	187346	46.35	ug/kg	95
44)	carbon tetrachloride	9.995	117	283048	51.01	ug/kg	98
45)	1,1-dichloropropene	9.800	75	152863	48.72	ug/kg	92
46)	benzene	10.029	78	397032	41.78	ug/kg	98
47)	1,2-dichloroethane	9.524	62	193682	42.76	ug/kg	98
48)	tert-amyl methyl ether	10.144	73	192935	39.75	ug/kg	95
49)	heptane	10.507	43	217794	51.08	ug/kg	97
50)	trichloroethene	10.656	95	137871	40.43	ug/kg	97
51)	1,2-dichloropropane	10.622	63	91267	37.81	ug/kg	96
52)	dibromomethane	10.595	93	73636	39.37	ug/kg	94
53)	bromodichloromethane	10.709	83	173384	41.71	ug/kg	96
54)	Methylcyclohexane	11.174	83	209666	54.85	ug/kg	98
56)	methyl methacrylate	10.797	69	58613	41.42	ug/kg	98
57)	1,4-dioxane	10.804	88	6219	243.15	ug/kg	72
58)	cis-1,3-dichloropropene	11.329	75	145849	36.66	ug/kg	94
60)	4-methyl-2-pentanone	11.417	43	133039	46.01	ug/kg	99
61)	toluene	12.111	92	299219	47.84	ug/kg	90
62)	trans-1,3-dichloropropene	11.754	75	141949	38.43	ug/kg	98
63)	1,1,2-trichloroethane	11.922	83	67807	37.12	ug/kg	85
64)	ethyl methacrylate	12.124	69	115039	41.37	ug/kg	96
66)	tetrachloroethene	12.852	166	175552	42.52	ug/kg	98
67)	1,3-dichloropropane	12.165	76	136620	34.48	ug/kg	100
68)	dibromochloromethane	12.454	129	177784	38.00	ug/kg	95
69)	1,2-dibromoethane	12.710	107	113530	36.25	ug/kg	96
70)	2-hexanone	12.279	43	90005	36.71	ug/kg	98
71)	chlorobenzene	13.539	112	362136	35.71	ug/kg	99
72)	1,1,1,2-tetrachloroethane	13.458	131	177573	40.94	ug/kg	96
73)	ethylbenzene	13.707	91	587955	41.82	ug/kg	98
74)	m,p-xylene	13.896	106	501444	82.29	ug/kg	98
75)	o-xylene	14.307	106	243203	38.87	ug/kg	96
76)	styrene	14.233	104	321012	33.19	ug/kg	96
77)	bromoform	14.071	173	122621	37.18	ug/kg	97
78)	trans-1,4-dichloro-2-b...	14.455	53	43393	31.89	ug/kg#	76
80)	isopropylbenzene	14.670	105	692069	41.05	ug/kg	100
82)	bromobenzene	14.967	156	169516	35.03	ug/kg	96
83)	1,1,2,2-tetrachloroethane	14.313	83	128574	37.44	ug/kg	98
84)	1,2,3-trichloropropane	14.462	75	140445	36.36	ug/kg	99
85)	n-propylbenzene	15.115	91	662688	38.62	ug/kg	98
86)	2-chlorotoluene	15.236	91	409443	36.95	ug/kg	97
87)	4-chlorotoluene	15.317	91	394508	36.09	ug/kg	92
88)	1,3,5-trimethylbenzene	15.391	105	597725	41.73	ug/kg	98
89)	tert-butylbenzene	15.701	91	348094	43.08	ug/kg	99
90)	1,2,4-trimethylbenzene	15.802	105	569442	40.23	ug/kg	100
91)	sec-butylbenzene	15.923	105	792969	41.80	ug/kg	99
92)	1,3-dichlorobenzene	16.031	146	322005	32.56	ug/kg	99
93)	p-isopropyltoluene	16.092	119	736309	41.83	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62392.D
Acq On : 21 Dec 2013 8:39 am
Operator : krystend
Sample : mc27183-12ms
Misc : MS30848,MSM2180,4.905,,,5,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Dec 22 11:07:09 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

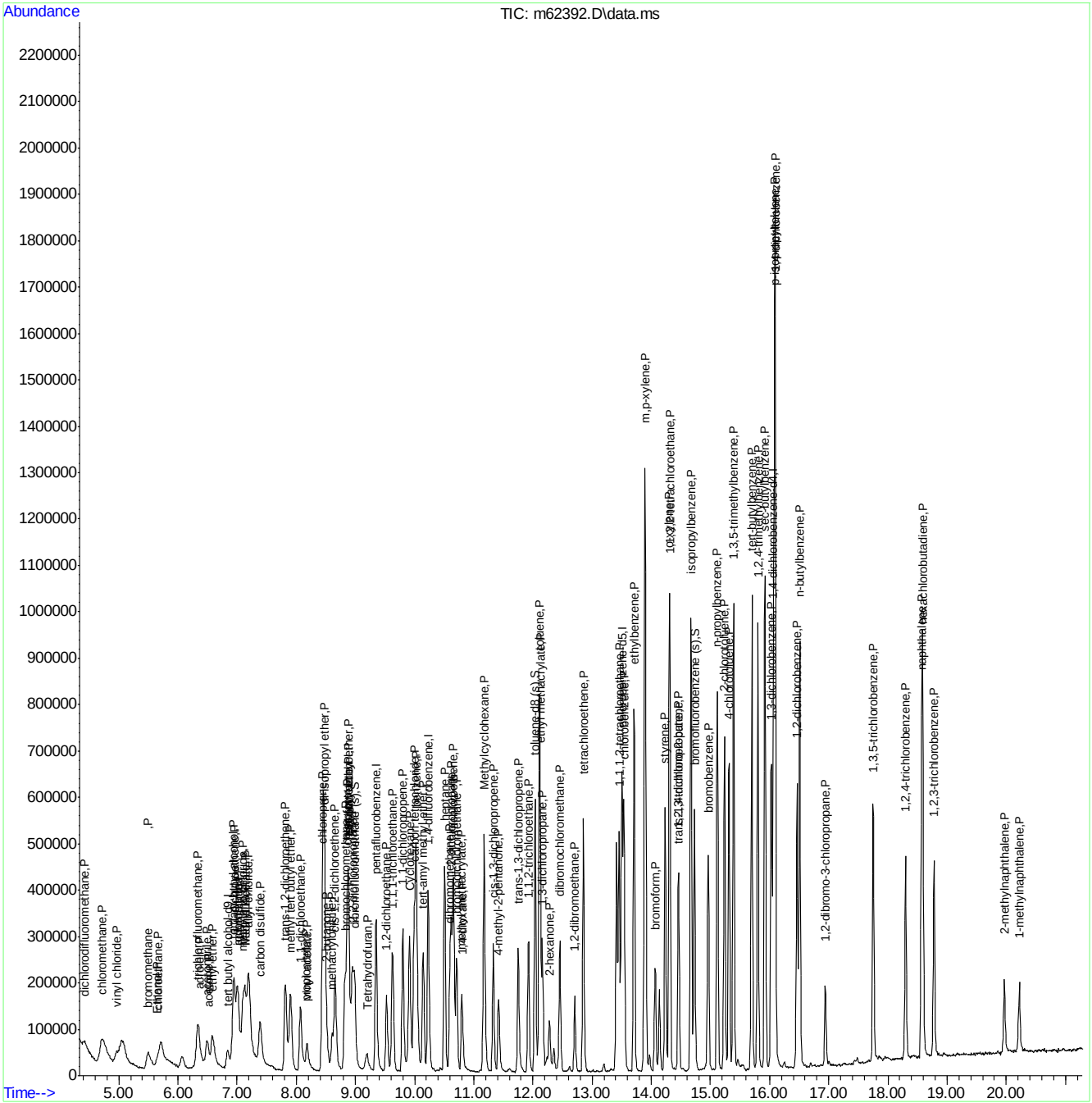
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	1,4-dichlorobenzene	16.099	146	332467	32.75	ug/kg	98
95)	1,2-dichlorobenzene	16.462	146	311550	31.14	ug/kg	98
96)	n-butylbenzene	16.509	91	518359	39.37	ug/kg	95
97)	1,2-dibromo-3-chloropr...	16.941	75	43380	43.70	ug/kg	94
98)	1,3,5-trichlorobenzene	17.756	180	197666	29.57	ug/kg	97
99)	1,2,4-trichlorobenzene	18.301	180	167583	25.02	ug/kg	99
100)	hexachlorobutadiene	18.591	225	138956	41.35	ug/kg	98
101)	naphthalene	18.571	128	547399	29.63	ug/kg	100
102)	1,2,3-trichlorobenzene	18.780	180	156098	23.80	ug/kg	98
103)	2-methylnaphthalene	19.972	142	105480	10.53	ug/kg	99
104)	1-methylnaphthalene	20.221	TIC	368759	11.22	ug/kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62392.D
Acq On : 21 Dec 2013 8:39 am
Operator : krystend
Sample : mc27183-12ms
Misc : MS30848,MSM2180,4.905,,,5,1
ALS Vial : 46 Sample Multiplier: 1

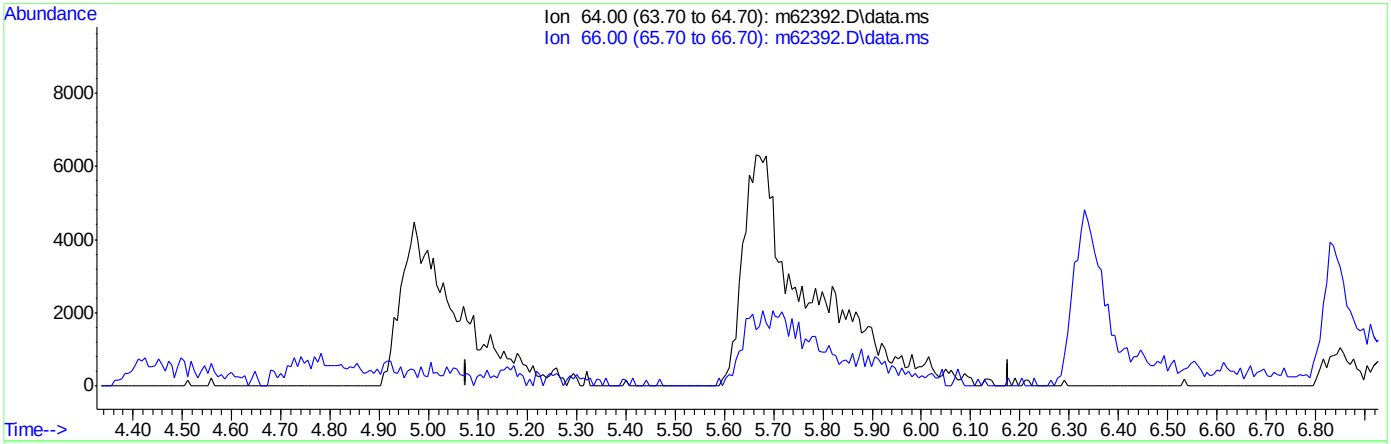
Quant Time: Dec 22 11:07:09 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

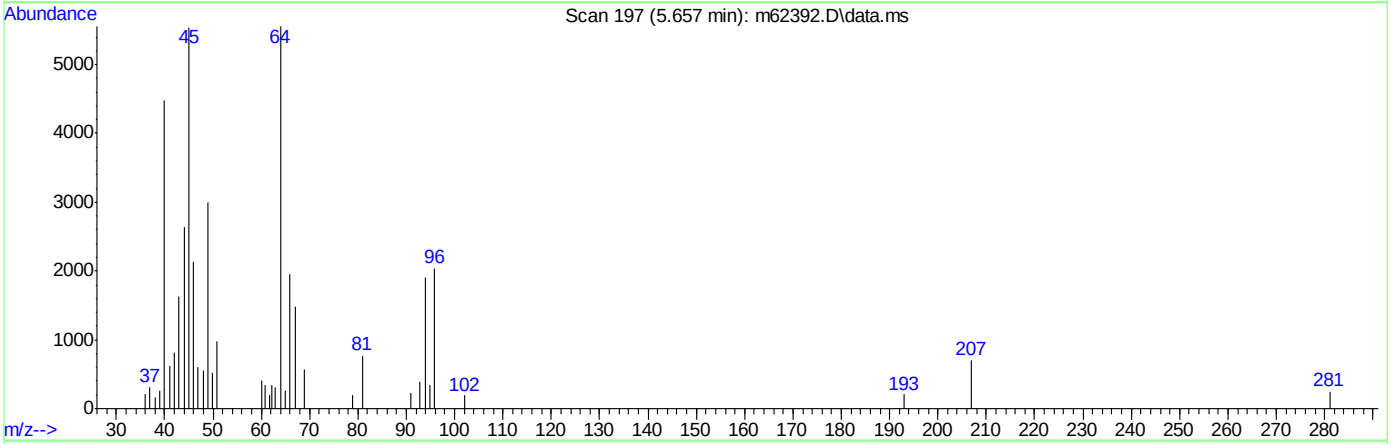


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62392.D
Acq On : 21 Dec 2013 8:39 am
Operator : krystend
Sample : mc27183-12ms
Misc : MS30848,MSM2180,4.905,,,5,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Dec 22 11:06:34 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62392.D\data.ms

(9) chloroethane (P)

5.657min (-5.657) 0.00ug/kg

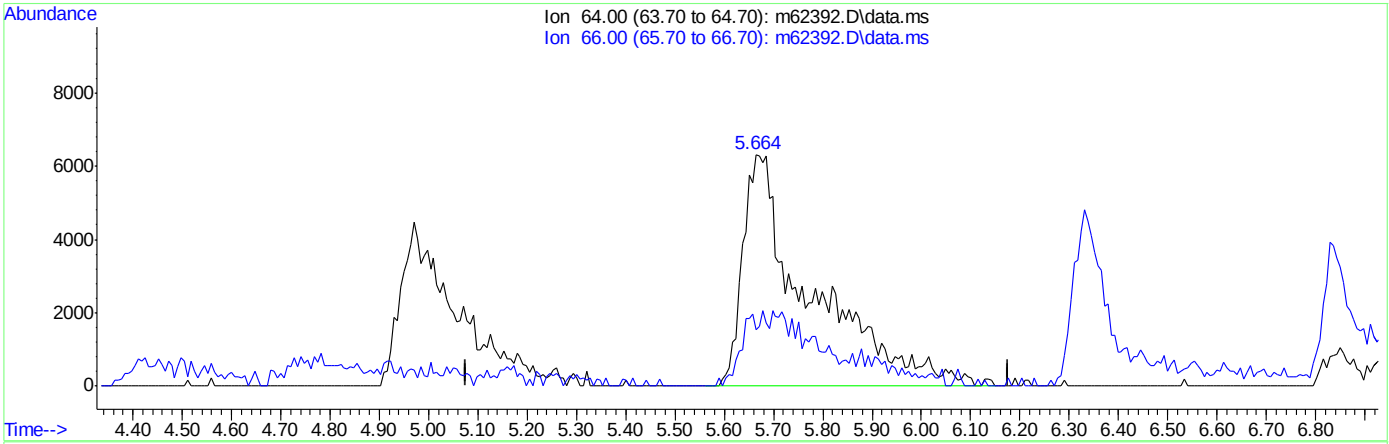
response 0

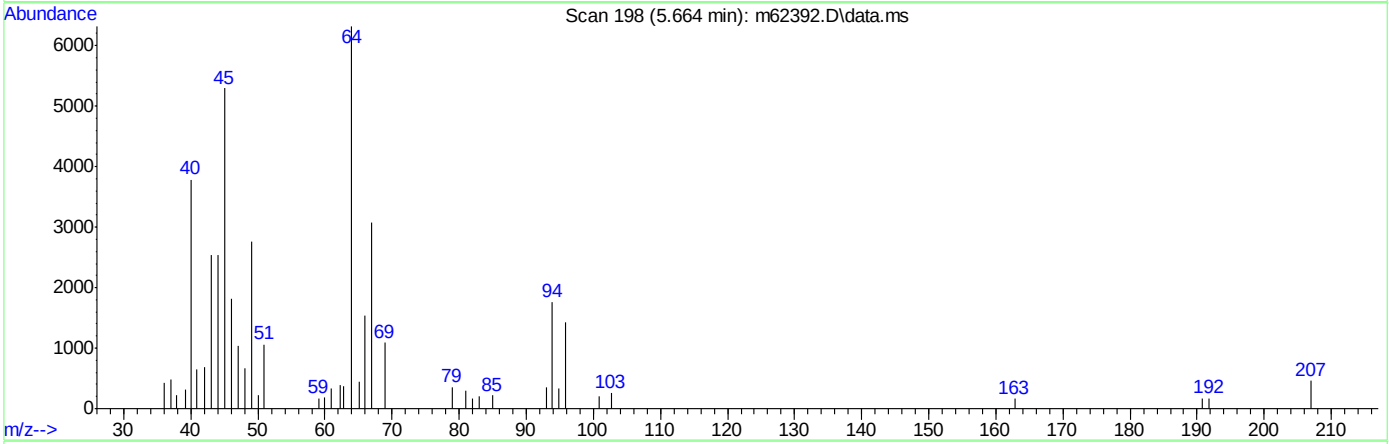
Ion	Exp%	Act%
64.00	100	0.00
66.00	30.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62392.D
Acq On : 21 Dec 2013 8:39 am
Operator : krystend
Sample : mc27183-12ms
Misc : MS30848,MSM2180,4.905,,,5,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Dec 22 11:06:34 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62392.D\data.ms

(9) chloroethane (P)

5.664min (+0.007) 40.18ug/kg m

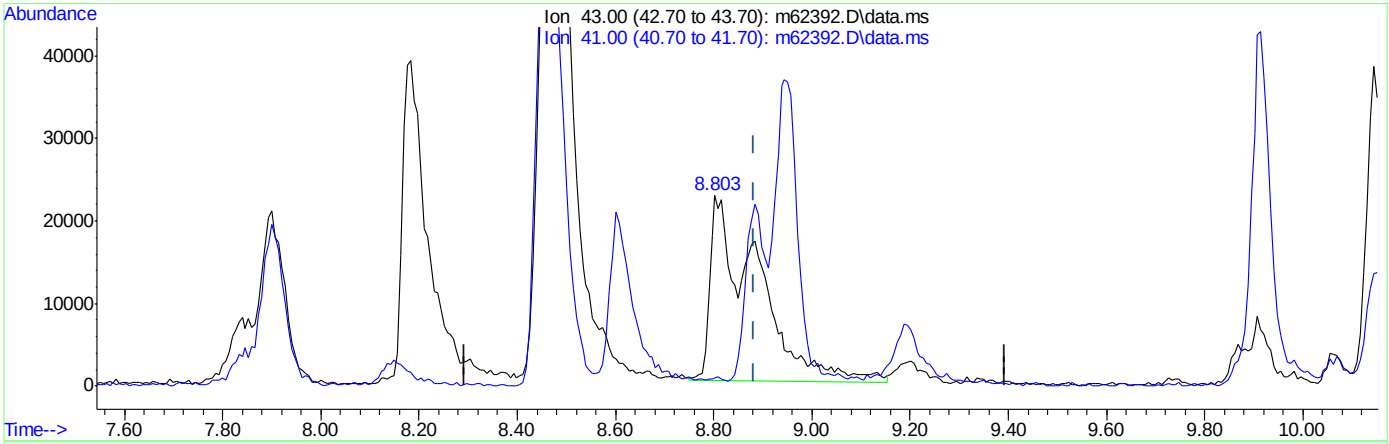
response 59776

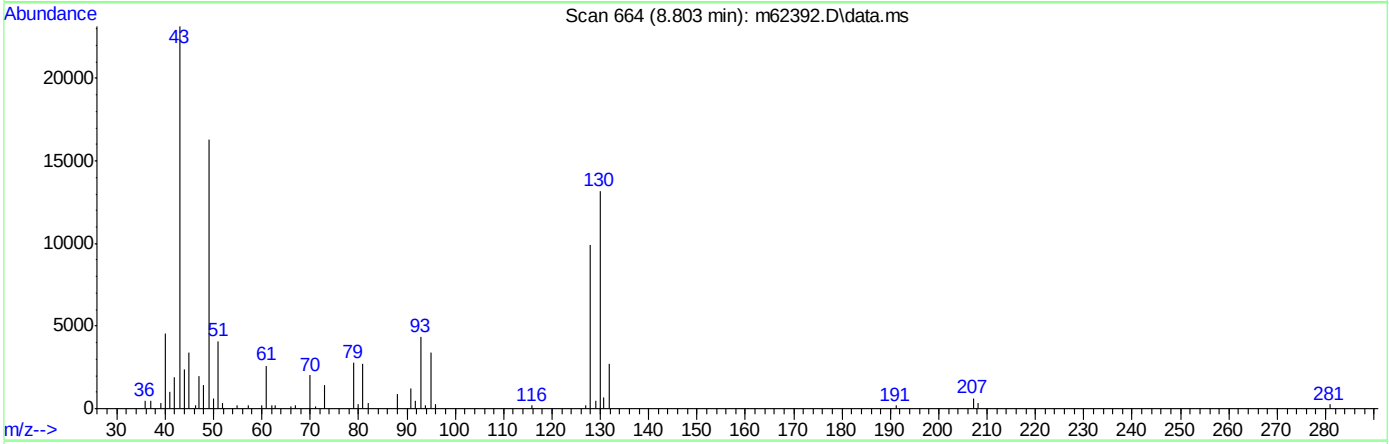
Ion	Exp%	Act%
64.00	100	100
66.00	30.40	24.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62392.D
Acq On : 21 Dec 2013 8:39 am
Operator : krystend
Sample : mc27183-12ms
Misc : MS30848,MSM2180,4.905,,,5,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Dec 22 11:06:34 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62392.D\data.ms

(33) isobutyl alcohol (P)

8.803min (-0.081) 591.65ug/kg

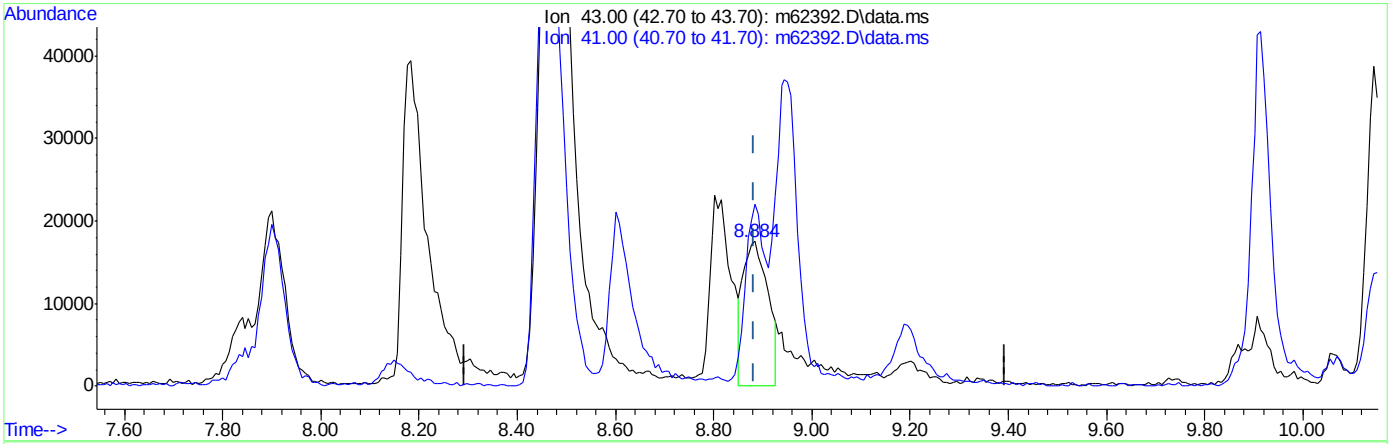
response 150187

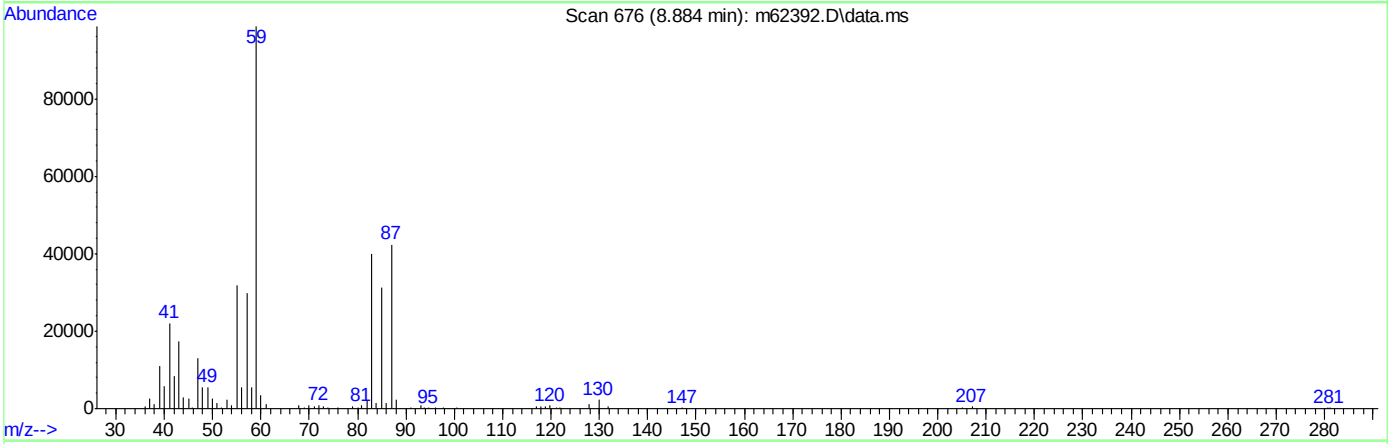
Ion	Exp%	Act%
43.00	100	100
41.00	142.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62392.D
Acq On : 21 Dec 2013 8:39 am
Operator : krystend
Sample : mc27183-12ms
Misc : MS30848,MSM2180,4.905,,,5,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Dec 22 11:06:34 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62392.D\data.ms

(33) isobutyl alcohol (P)

8.884min (-0.000) 237.88ug/kg m

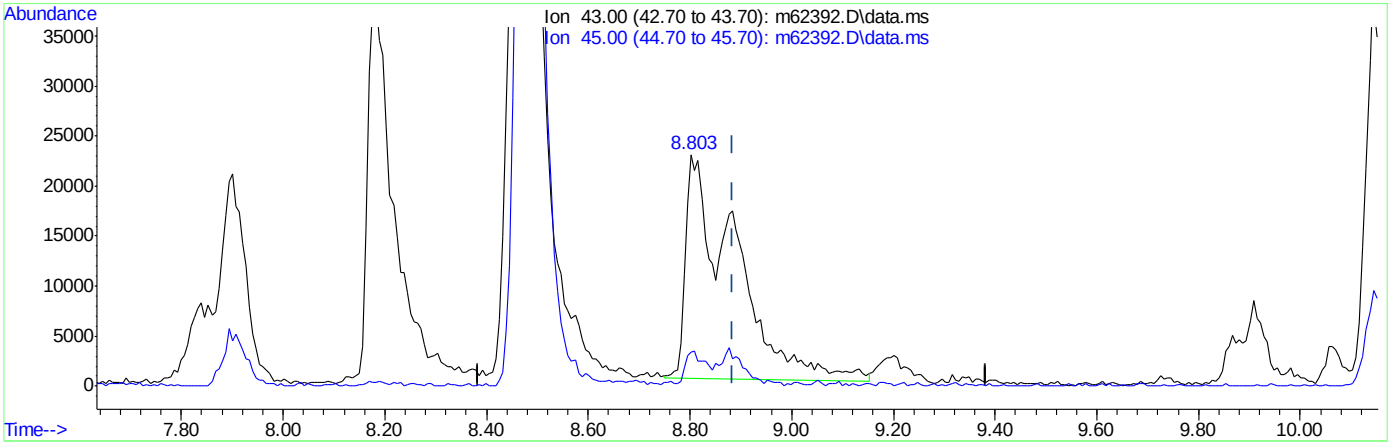
response 60385

Ion	Exp%	Act%
43.00	100	100
41.00	142.20	126.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62392.D
Acq On : 21 Dec 2013 8:39 am
Operator : krystend
Sample : mc27183-12ms
Misc : MS30848,MSM2180,4.905,,,5,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Dec 22 11:06:34 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration



TIC: m62392.D\data.ms

(36) ethyl acetate (P)

8.803min (-0.081) 79.04ug/kg

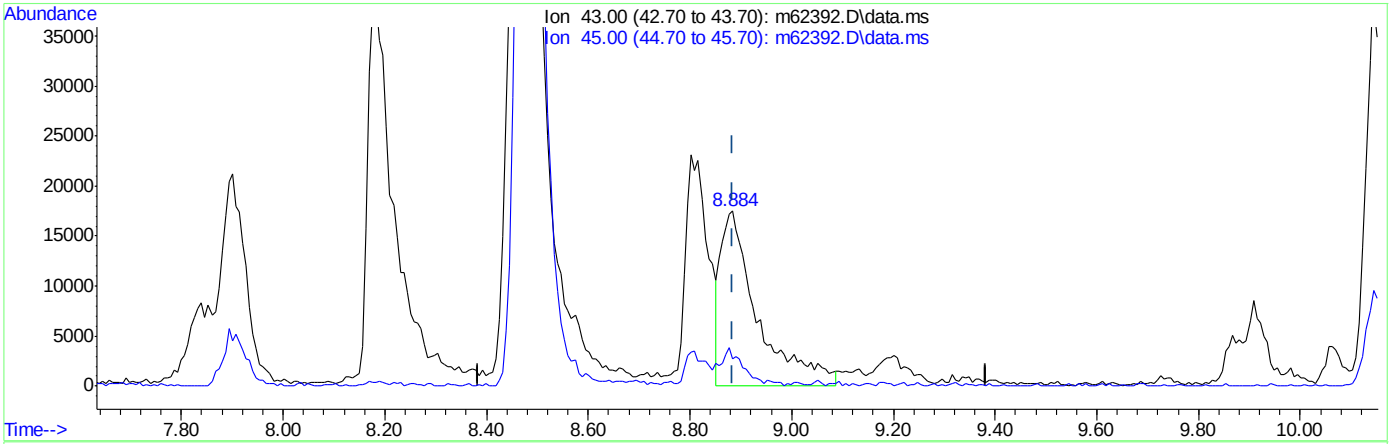
response 149496

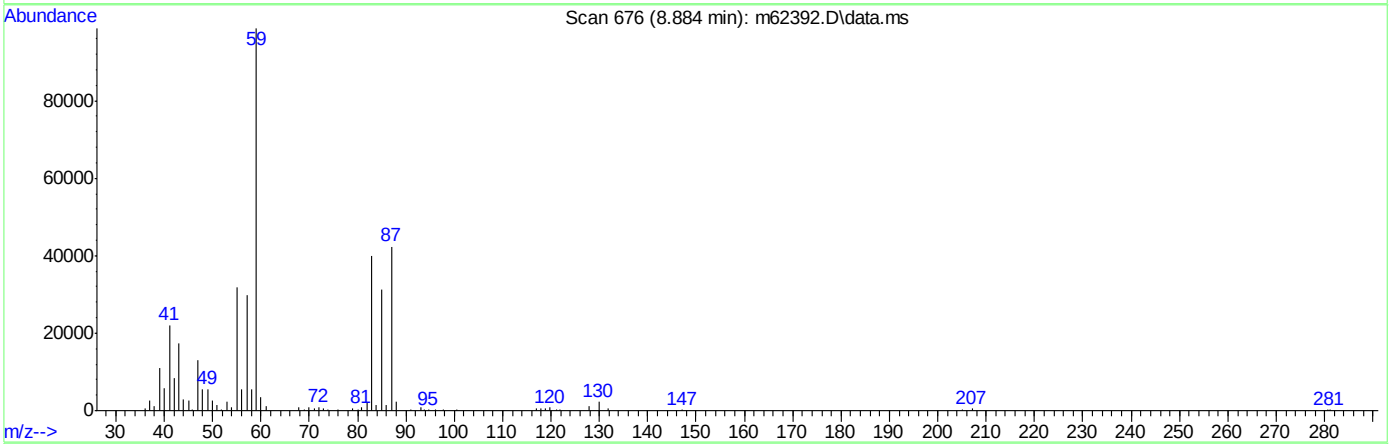
Ion	Exp%	Act%
43.00	100	100
45.00	19.90	14.15
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62392.D
Acq On : 21 Dec 2013 8:39 am
Operator : krystend
Sample : mc27183-12ms
Misc : MS30848,MSM2180,4.905,,,5,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Dec 22 11:06:34 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62392.D\data.ms

(36) ethyl acetate (P)

8.884min (-0.000) 47.01ug/kg m

response 88913

Ion	Exp%	Act%
43.00	100	100
45.00	19.90	15.62
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES
MC27146

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/23/13 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62393.D
Acq On : 21 Dec 2013 9:08 am
Operator : krystend
Sample : mc27183-12msd
Misc : MS30848,MSM2180,4.909,,,5,1
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Dec 22 11:08:07 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.829	65	164614	500.00	ug/kg	-0.02
4) pentafluorobenzene	9.349	168	285214	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	417269	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	194331	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	267318	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	139884	56.08	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.16%			
59) toluene-d8 (s)	12.036	98	437959	59.99	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 119.98%			
81) bromofluorobenzene (s)	14.731	95	199227	54.44	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.88%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	165320	263.35	ug/kg	78
3) Ethanol	5.657	45	36985	1225.76	ug/kg#	100
5) dichlorodifluoromethane	4.431	85	109642	46.71	ug/kg	95
6) chloromethane	4.707	50	131924	36.26	ug/kg	91
7) vinyl chloride	4.970	62	112984	39.19	ug/kg	94
8) bromomethane ...	5.502	96	86160	32.75	ug/kg	100
9) chloroethane	5.671	64	63502m	41.30	ug/kg	
10) ethyl ether	6.587	59	64365	33.78	ug/kg	86
11) acetonitrile	6.486	41	65136	101.38	ug/kg	46
12) trichlorofluoromethane	6.331	101	273467	45.08	ug/kg	98
13) freon-113	7.153	101	109522	51.57	ug/kg	96
14) acrolein	6.412	56	8960	27.58	ug/kg	92
15) 1,1-dichloroethene	6.944	96	105221	52.20	ug/kg	92
16) acetone	6.492	58	16215	56.35	ug/kg#	1
17) Methyl Acetate	7.139	43	100950	34.49	ug/kg	87
18) methylene chloride	7.099	84	86889	35.08	ug/kg	85
19) methyl tert butyl ether	7.900	73	210561	35.24	ug/kg	100
20) acrylonitrile	6.998	53	84111	79.98	ug/kg	93
21) allyl chloride	7.193	41	163299	38.47	ug/kg	94
22) trans-1,2-dichloroethene	7.813	96	107012	47.92	ug/kg	96
23) iodomethane	7.011	142	229706	38.83	ug/kg	93
24) carbon disulfide	7.388	76	272425	41.62	ug/kg	100
25) propionitrile	8.163	54	13769	36.83	ug/kg	100
26) vinyl acetate	8.183	43	97672	18.01	ug/kg	97
27) chloroprene	8.446	53	220414	46.20	ug/kg	95
28) di-isopropyl ether	8.480	45	324817	33.86	ug/kg	94
29) methacrylonitrile	8.601	41	58381	34.16	ug/kg	95
30) 2-butanone	8.507	72	9471	31.06	ug/kg#	80
31) 1,1-dichloroethane	8.069	63	181827	38.63	ug/kg	96
32) tert-butyl ethyl ether	8.884	59	245957	36.44	ug/kg	98
33) isobutyl alcohol	8.877	43	59541m	226.98	ug/kg	
34) 2,2-dichloropropane	8.951	77	148114	51.14	ug/kg	99
35) cis-1,2-dichloroethene	8.655	96	105078	34.44	ug/kg	95
36) ethyl acetate	8.877	43	84225m	43.09	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62393.D
Acq On : 21 Dec 2013 9:08 am
Operator : krystend
Sample : mc27183-12msd
Misc : MS30848,MSM2180,4.909,,,5,1
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Dec 22 11:08:07 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	66104	33.38	ug/kg	94
38) chloroform	8.864	83	199765	37.11	ug/kg	98
40) Tetrahydrofuran	9.200	42	38496	39.84	ug/kg	94
41) 1,1,1-trichloroethane	9.625	97	224347	41.68	ug/kg	98
43) Cyclohexane	9.915	56	181778	43.42	ug/kg	97
44) carbon tetrachloride	9.995	117	264288	45.99	ug/kg	98
45) 1,1-dichloropropene	9.800	75	145539	44.79	ug/kg	96
46) benzene	10.029	78	375150	38.12	ug/kg	100
47) 1,2-dichloroethane	9.524	62	178696	38.09	ug/kg	97
48) tert-amyl methyl ether	10.144	73	180566	35.92	ug/kg	92
49) heptane	10.507	43	212057	48.02	ug/kg	99
50) trichloroethene	10.656	95	130780	37.03	ug/kg	97
51) 1,2-dichloropropane	10.622	63	87671	35.06	ug/kg	96
52) dibromomethane	10.595	93	67675	34.94	ug/kg	88
53) bromodichloromethane	10.709	83	164287	38.16	ug/kg	98
54) Methylcyclohexane	11.174	83	200488	50.64	ug/kg	96
56) methyl methacrylate	10.804	69	54235	37.00	ug/kg	94
57) 1,4-dioxane	10.810	88	5156m	194.64	ug/kg	
58) cis-1,3-dichloropropene	11.329	75	133006	32.28	ug/kg	98
60) 4-methyl-2-pentanone	11.417	43	130532	43.59	ug/kg	97
61) toluene	12.111	92	284046	43.85	ug/kg	91
62) trans-1,3-dichloropropene	11.754	75	130124	34.02	ug/kg	98
63) 1,1,2-trichloroethane	11.922	83	63096	33.35	ug/kg	87
64) ethyl methacrylate	12.124	69	96660	33.56	ug/kg	86
66) tetrachloroethene	12.852	166	165284	38.77	ug/kg	94
67) 1,3-dichloropropane	12.158	76	126142	30.83	ug/kg	97
68) dibromochloromethane	12.454	129	165601	34.28	ug/kg	98
69) 1,2-dibromoethane	12.710	107	101710	31.45	ug/kg	94
70) 2-hexanone	12.279	43	79399	31.36	ug/kg	92
71) chlorobenzene	13.539	112	335407	32.03	ug/kg	95
72) 1,1,1,2-tetrachloroethane	13.458	131	165981	37.06	ug/kg	96
73) ethylbenzene	13.707	91	543646	37.44	ug/kg	99
74) m,p-xylene	13.896	106	465928	74.04	ug/kg	91
75) o-xylene	14.307	106	225795	34.95	ug/kg	98
76) styrene	14.239	104	293923	29.43	ug/kg	98
77) bromoform	14.064	173	110874	32.55	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.455	53	38351	27.30	ug/kg#	73
80) isopropylbenzene	14.670	105	648868	36.81	ug/kg	100
82) bromobenzene	14.960	156	157718	31.17	ug/kg	98
83) 1,1,2,2-tetrachloroethane	14.313	83	115865	32.27	ug/kg	96
84) 1,2,3-trichloropropane	14.462	75	126258	31.26	ug/kg	93
85) n-propylbenzene	15.115	91	610146	34.01	ug/kg	98
86) 2-chlorotoluene	15.236	91	372709	32.17	ug/kg	94
87) 4-chlorotoluene	15.317	91	362904	31.75	ug/kg	100
88) 1,3,5-trimethylbenzene	15.391	105	545641	36.43	ug/kg	99
89) tert-butylbenzene	15.701	91	326688	38.67	ug/kg	97
90) 1,2,4-trimethylbenzene	15.802	105	518466	35.03	ug/kg	99
91) sec-butylbenzene	15.923	105	722837	36.44	ug/kg	99
92) 1,3-dichlorobenzene	16.031	146	294172	28.45	ug/kg	99
93) p-isopropyltoluene	16.092	119	676228	36.74	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62393.D
Acq On : 21 Dec 2013 9:08 am
Operator : krystend
Sample : mc27183-12msd
Misc : MS30848,MSM2180,4.909,,,5,1
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Dec 22 11:08:07 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

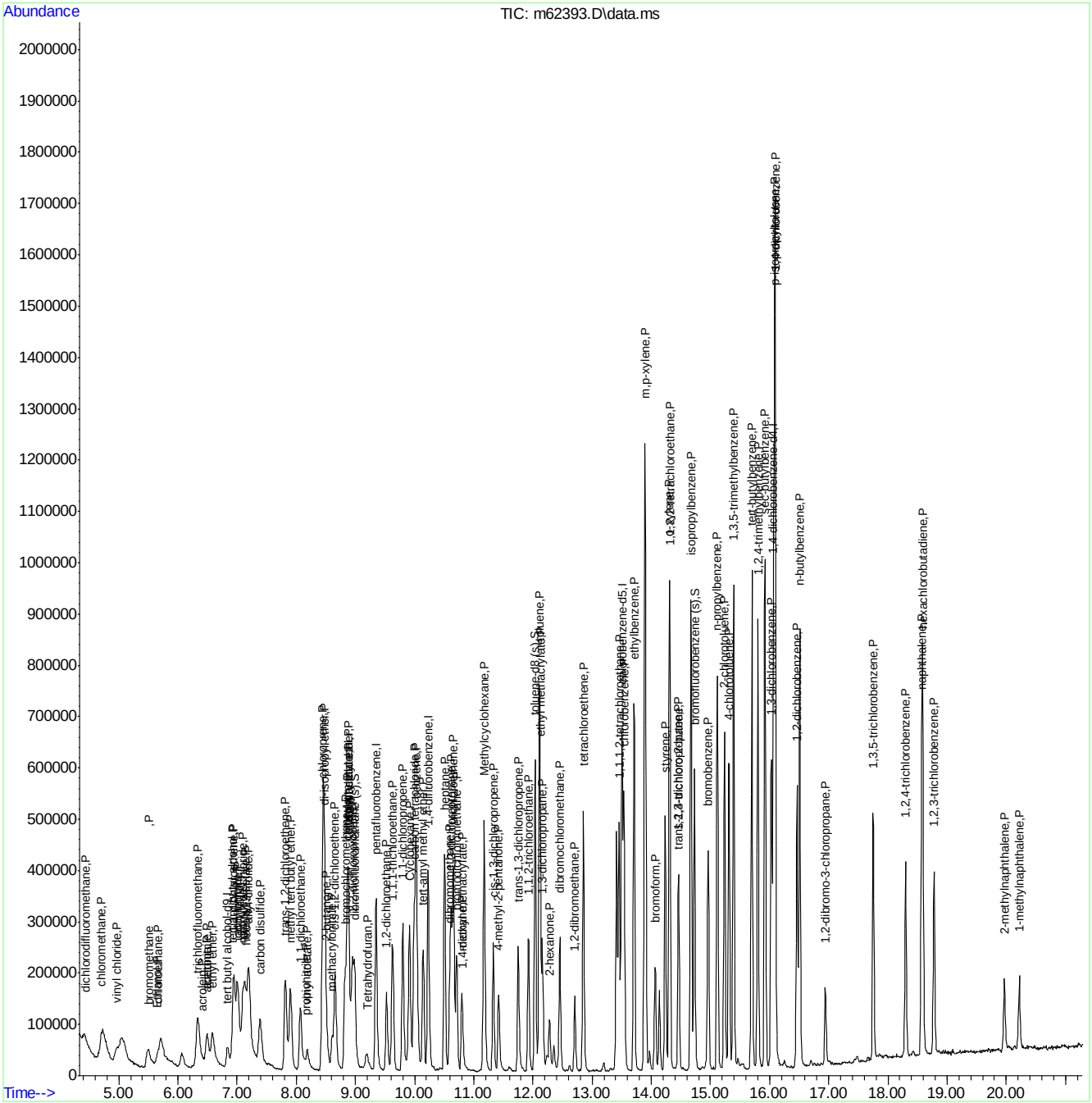
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	1,4-dichlorobenzene	16.099	146	294195	27.71	ug/kg	97
95)	1,2-dichlorobenzene	16.462	146	280165	26.78	ug/kg	99
96)	n-butylbenzene	16.509	91	476599	34.62	ug/kg	97
97)	1,2-dibromo-3-chloropr...	16.941	75	36887	35.54	ug/kg	97
98)	1,3,5-trichlorobenzene	17.749	180	176625	25.27	ug/kg	100
99)	1,2,4-trichlorobenzene	18.301	180	141425	20.19	ug/kg	96
100)	hexachlorobutadiene	18.591	225	124074	35.31	ug/kg	98
101)	naphthalene	18.571	128	462843	23.96	ug/kg	100
102)	1,2,3-trichlorobenzene	18.780	180	135527	19.76	ug/kg	98
103)	2-methylnaphthalene	19.965	142	94235	9.00	ug/kg	98
104)	1-methylnaphthalene	20.221	TIC	349945	10.19	ug/kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62393.D
Acq On : 21 Dec 2013 9:08 am
Operator : krystend
Sample : mc27183-12msd
Misc : MS30848,MSM2180,4.909,,,5,1
ALS Vial : 47 Sample Multiplier: 1

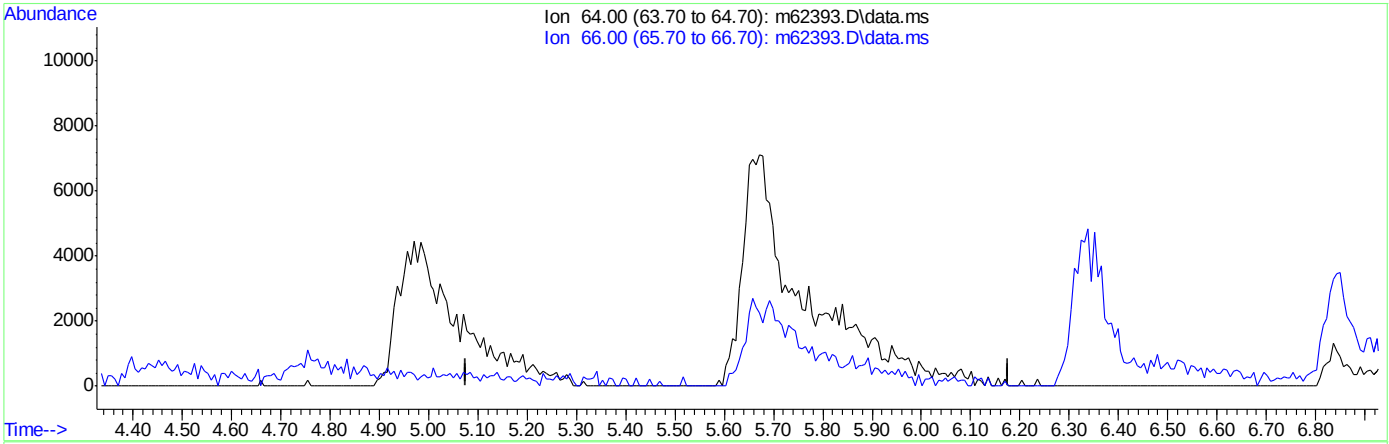
Quant Time: Dec 22 11:08:07 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

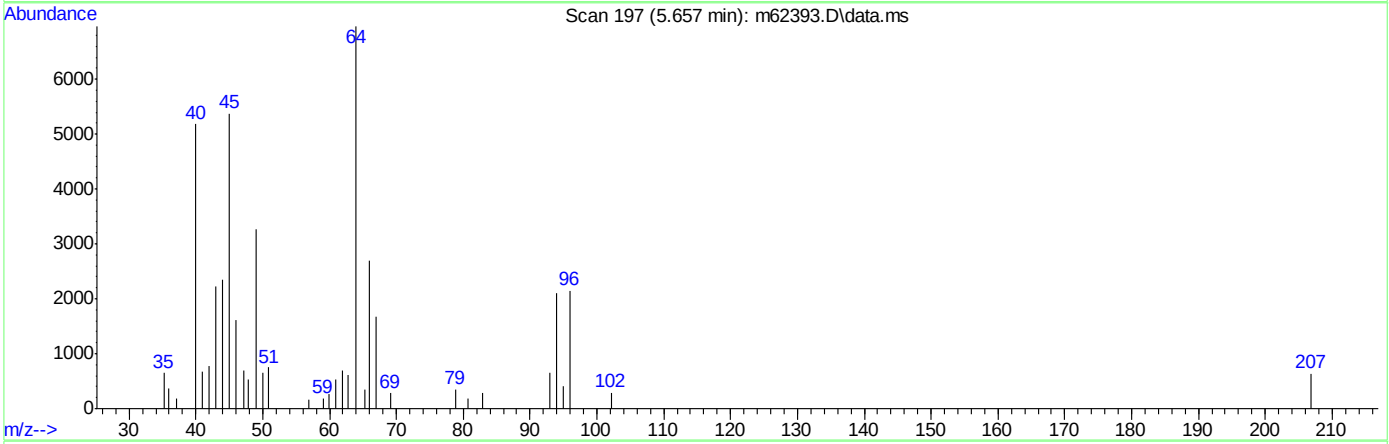


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62393.D
Acq On : 21 Dec 2013 9:08 am
Operator : krystend
Sample : mc27183-12msd
Misc : MS30848,MSM2180,4.909,,,5,1
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Dec 22 11:07:26 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62393.D\data.ms

(9) chloroethane (P)

5.657min (-5.657) 0.00ug/kg

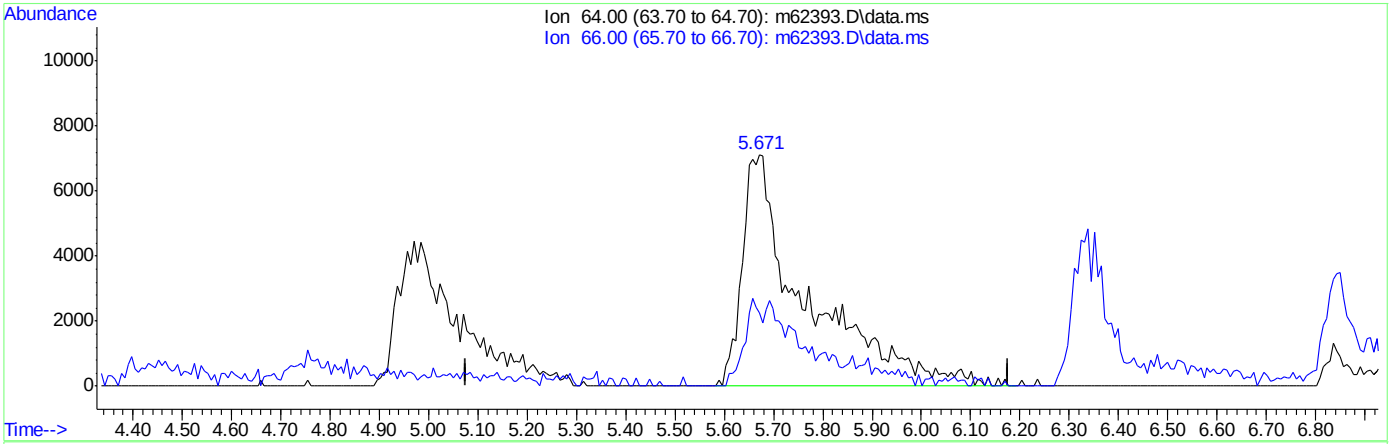
response 0

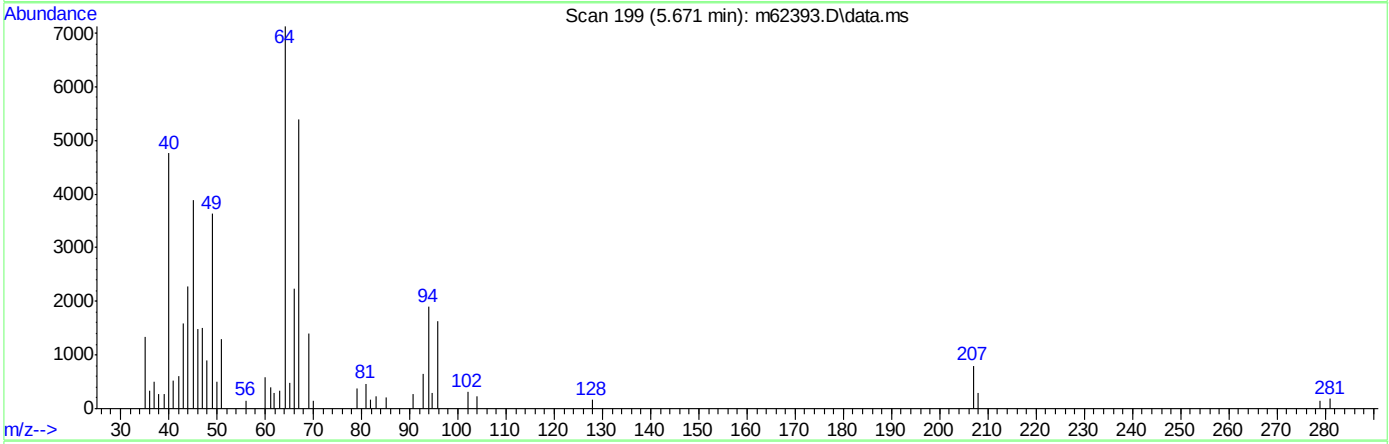
Ion	Exp%	Act%
64.00	100	0.00
66.00	30.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62393.D
Acq On : 21 Dec 2013 9:08 am
Operator : krystend
Sample : mc27183-12msd
Misc : MS30848,MSM2180,4.909,,,5,1
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Dec 22 11:07:26 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62393.D\data.ms

(9) chloroethane (P)

5.671min (+0.014) 41.30ug/kg m

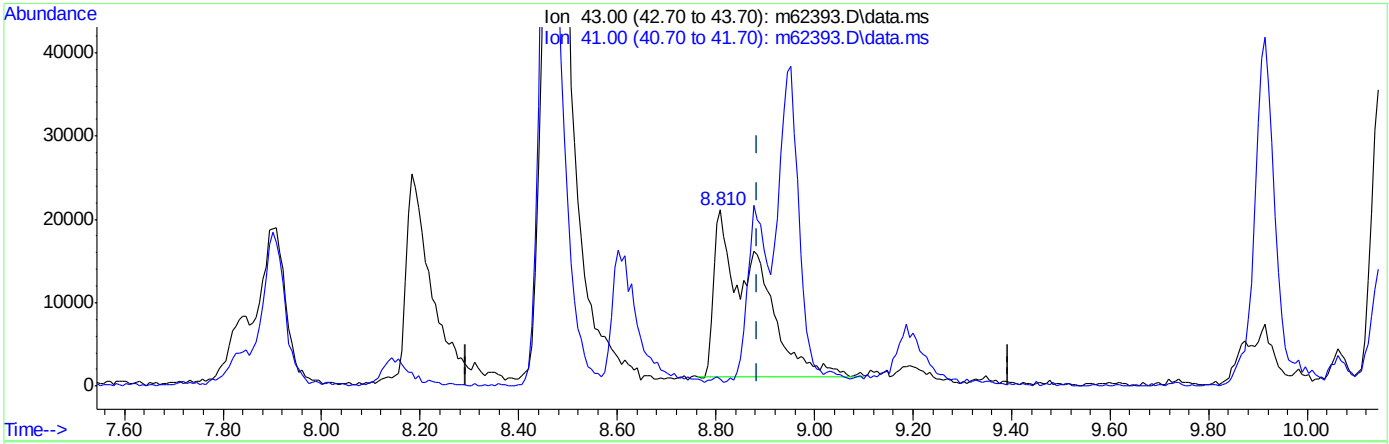
response 63502

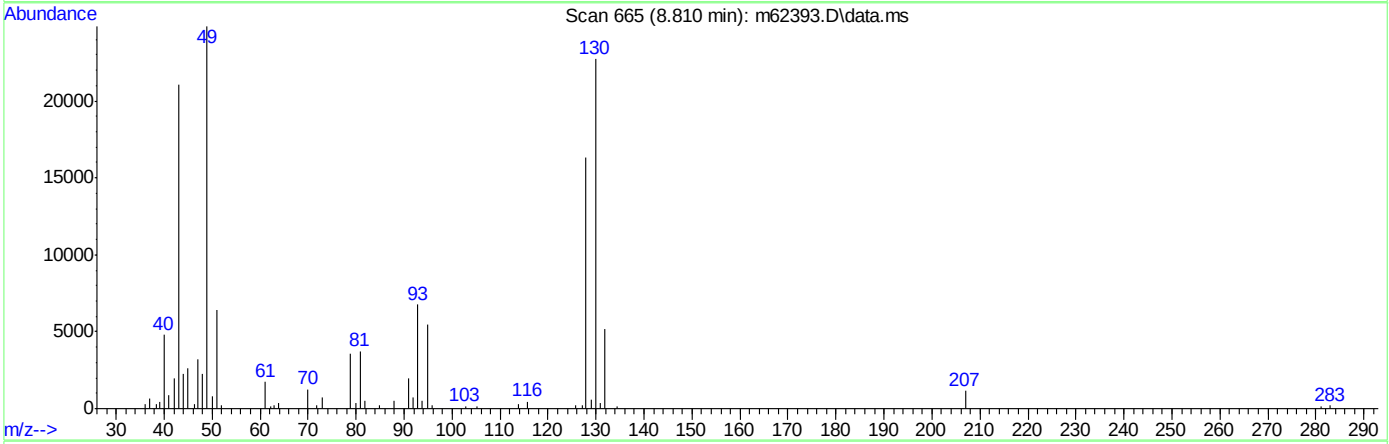
Ion	Exp%	Act%
64.00	100	100
66.00	30.40	31.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62393.D
Acq On : 21 Dec 2013 9:08 am
Operator : krystend
Sample : mc27183-12msd
Misc : MS30848,MSM2180,4.909,,,5,1
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Dec 22 11:07:26 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62393.D\data.ms

(33) isobutyl alcohol (P)

8.810min (-0.074) 462.62ug/kg

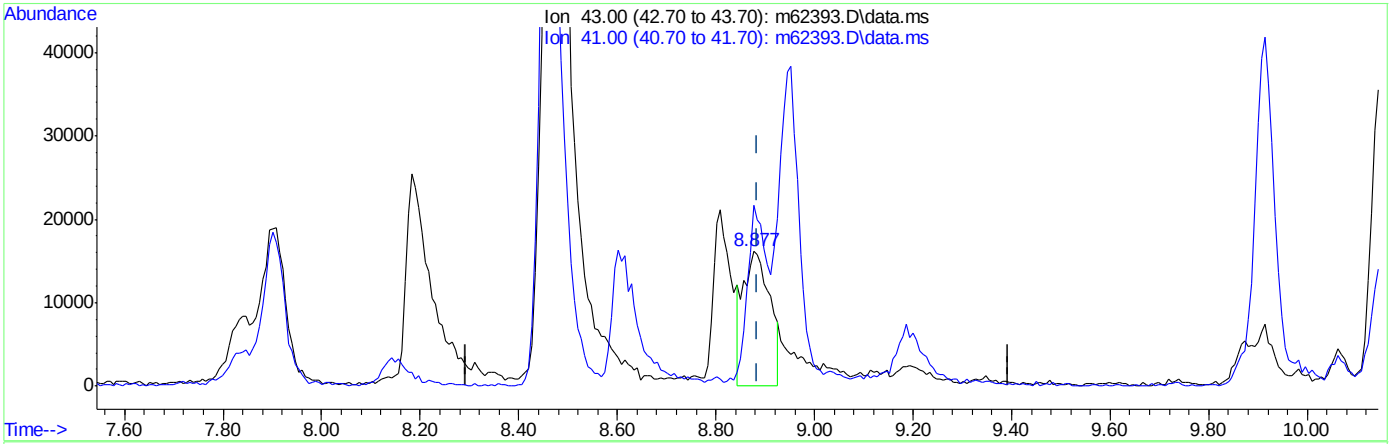
response 121353

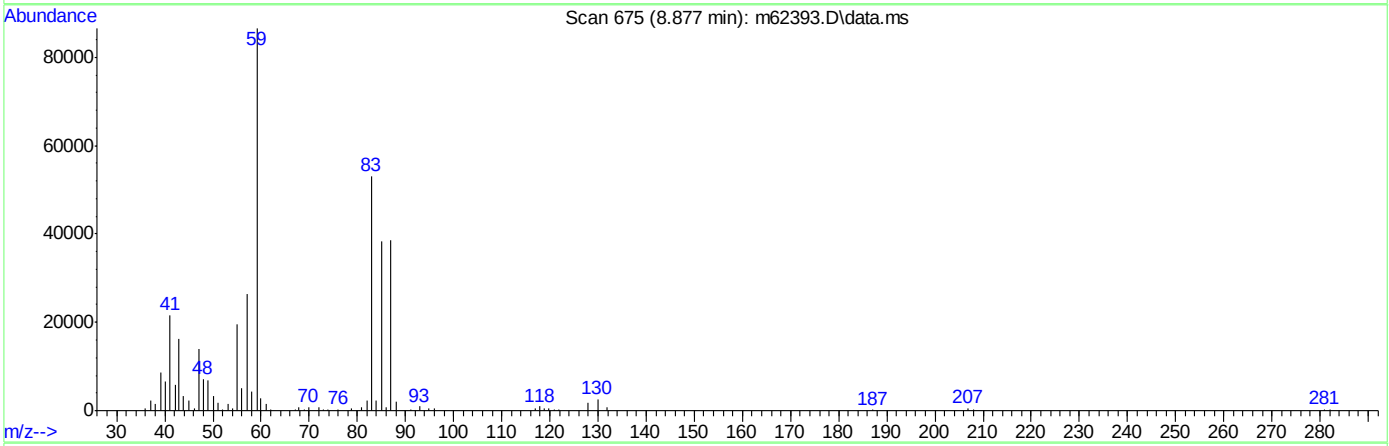
Ion	Exp%	Act%
43.00	100	100
41.00	142.20	0.22#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62393.D
Acq On : 21 Dec 2013 9:08 am
Operator : krystend
Sample : mc27183-12msd
Misc : MS30848,MSM2180,4.909,,,5,1
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Dec 22 11:07:26 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62393.D\data.ms

(33) isobutyl alcohol (P)

8.877min (-0.007) 226.98ug/kg m

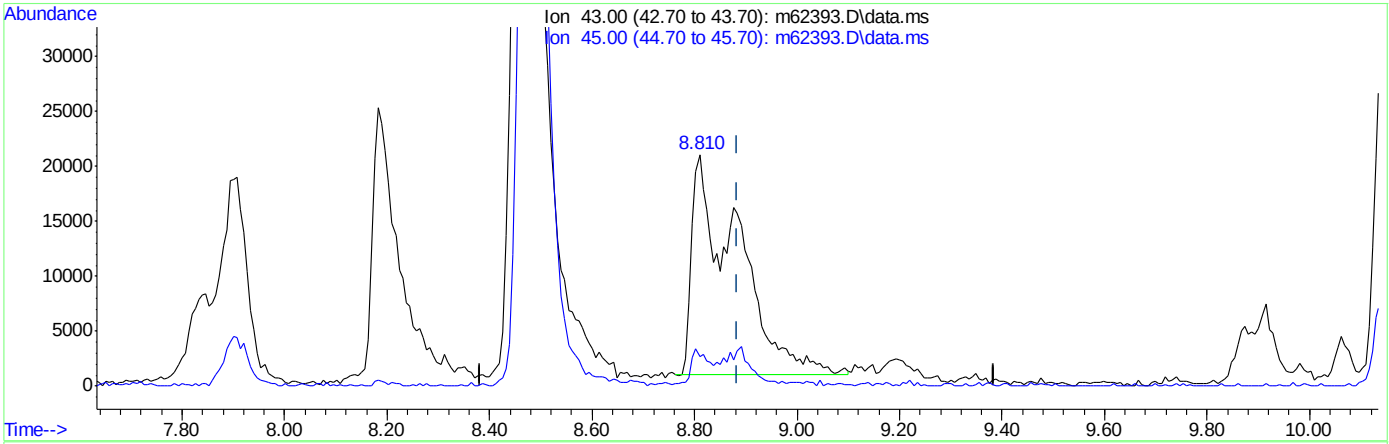
response 59541

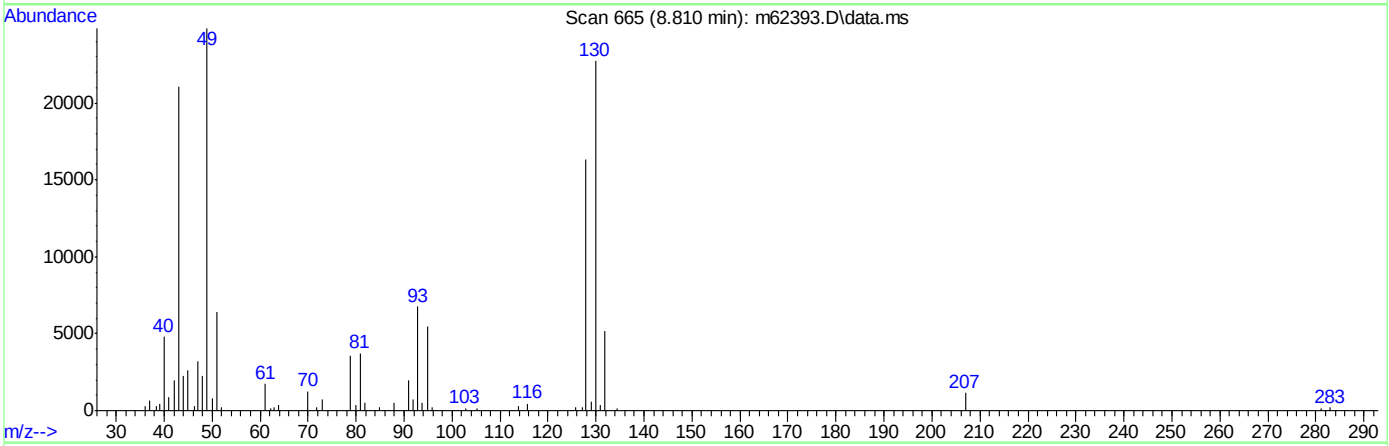
Ion	Exp%	Act%
43.00	100	100
41.00	142.20	133.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62393.D
Acq On : 21 Dec 2013 9:08 am
Operator : krystend
Sample : mc27183-12msd
Misc : MS30848,MSM2180,4.909,,,5,1
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Dec 22 11:07:26 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62393.D\data.ms

(36) ethyl acetate (P)

8.810min (-0.074) 62.08ug/kg

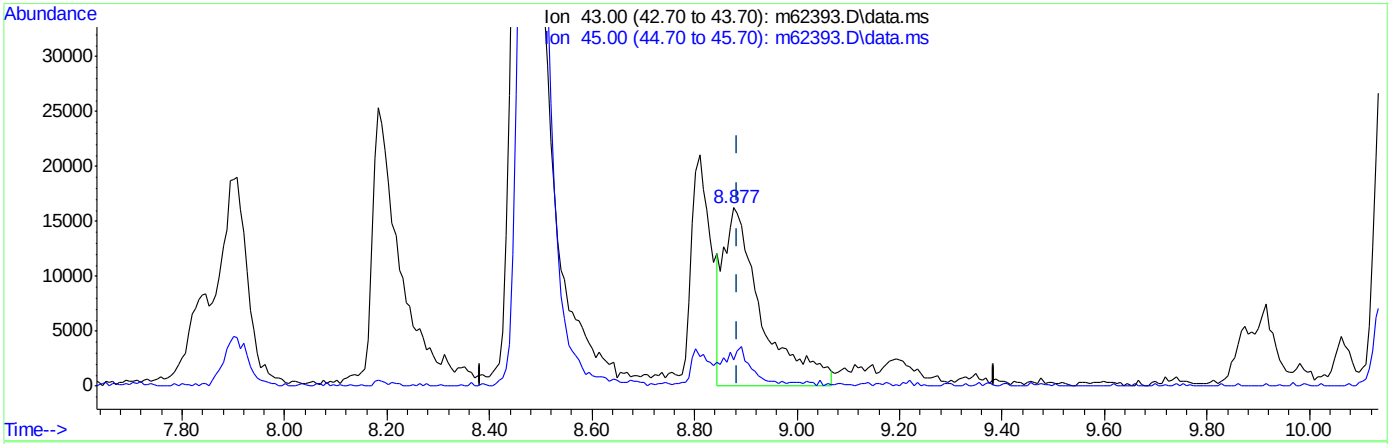
response 121353

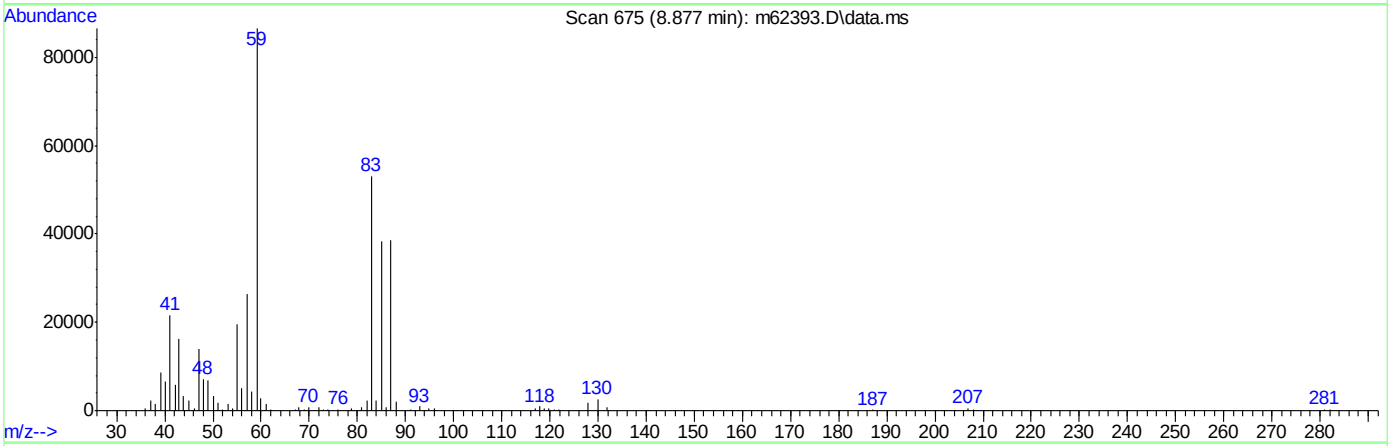
Ion	Exp%	Act%
43.00	100	100
45.00	19.90	12.43
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62393.D
Acq On : 21 Dec 2013 9:08 am
Operator : krystend
Sample : mc27183-12msd
Misc : MS30848,MSM2180,4.909,,,5,1
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Dec 22 11:07:26 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62393.D\data.ms

(36) ethyl acetate (P)

8.877min (-0.007) 43.09ug/kg m

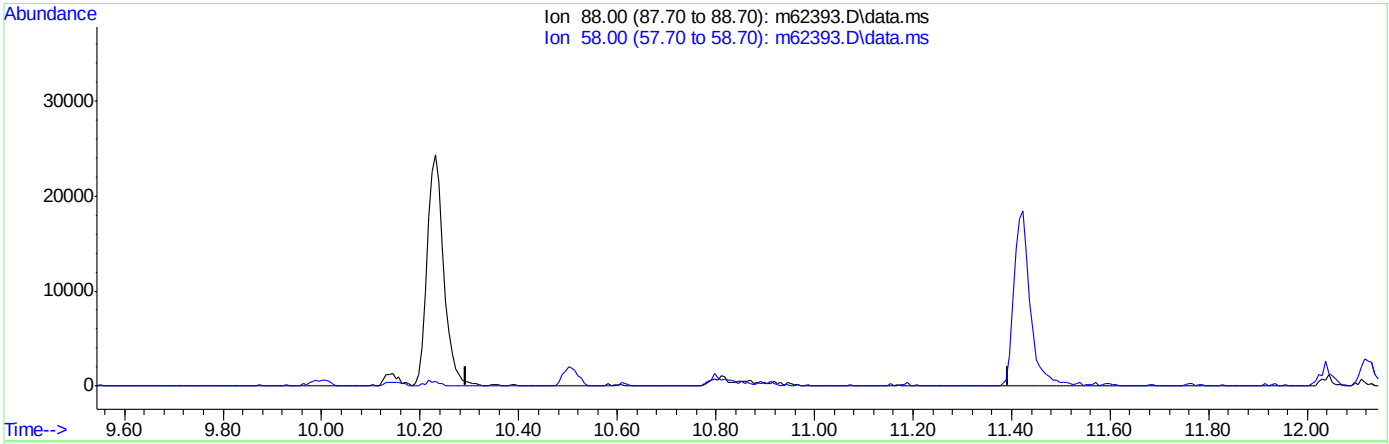
response 84225

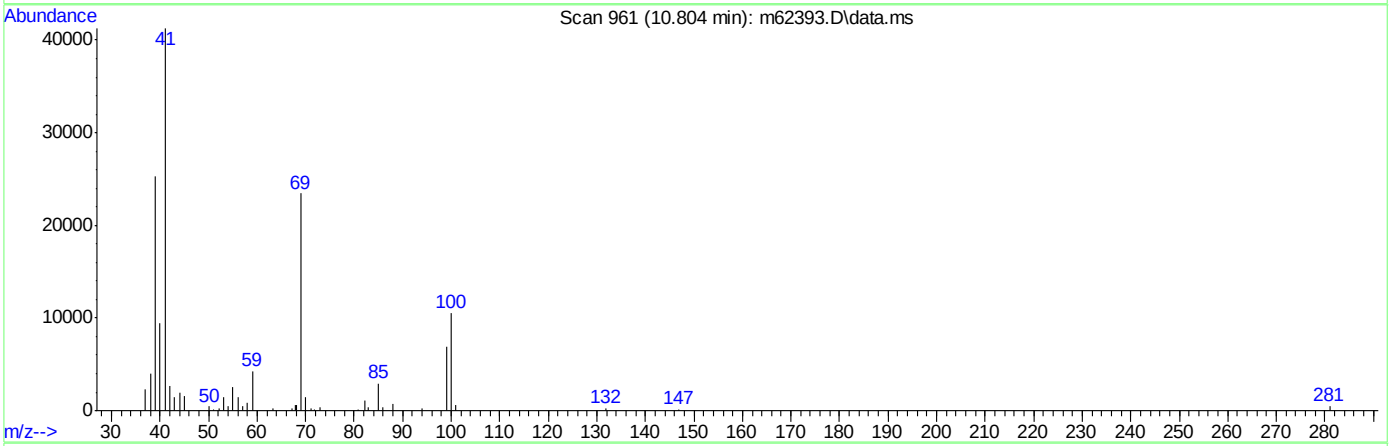
Ion	Exp%	Act%
43.00	100	100
45.00	19.90	14.71
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62393.D
Acq On : 21 Dec 2013 9:08 am
Operator : krystend
Sample : mc27183-12msd
Misc : MS30848,MSM2180,4.909,,,5,1
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Dec 22 11:07:26 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62393.D\data.ms

(57) 1,4-dioxane (P)

10.804min (-10.804) 0.00ug/kg

response 0

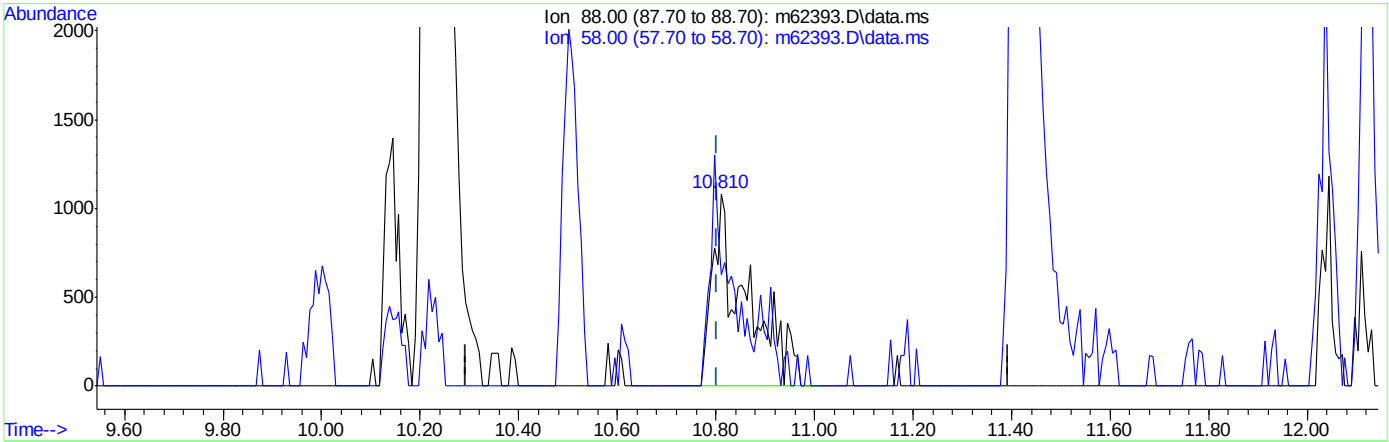
Ion	Exp%	Act%
88.00	100	0.00
58.00	68.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

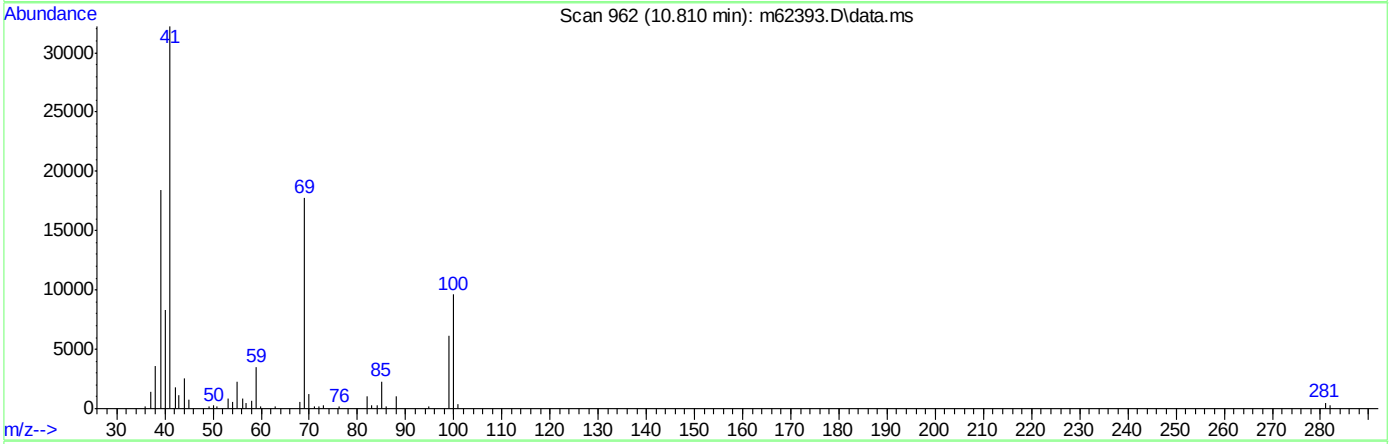
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62393.D
Acq On : 21 Dec 2013 9:08 am
Operator : krystend
Sample : mc27183-12msd
Misc : MS30848,MSM2180,4.909,,,5,1
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Dec 22 11:07:26 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62393.D\data.ms

(57) 1,4-dioxane (P)

10.810min (+0.006) 194.64ug/kg m

response 5156

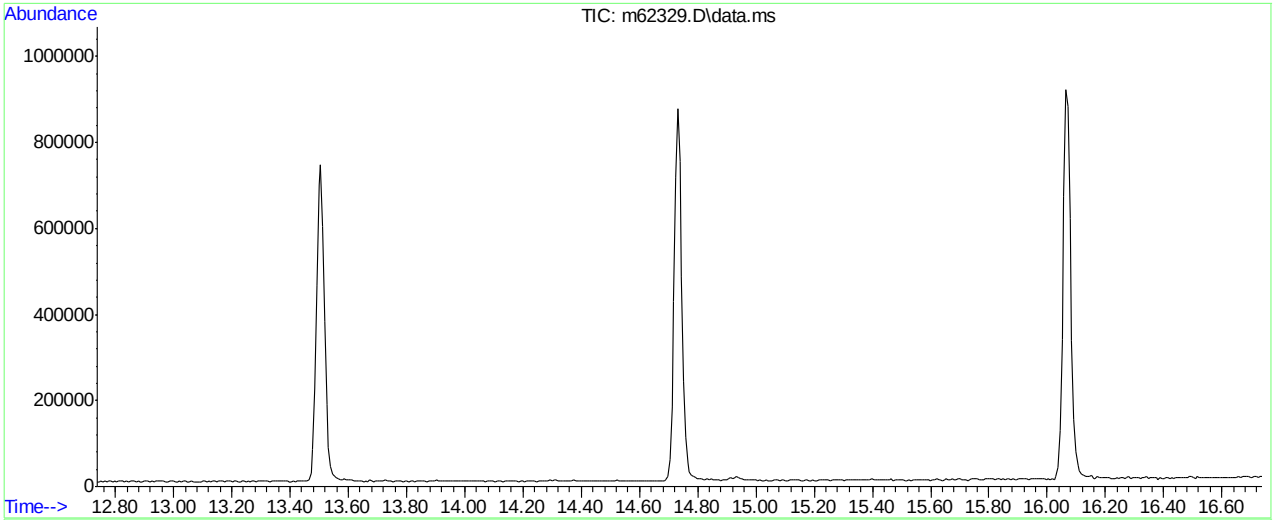
Ion	Exp%	Act%
88.00	100	100
58.00	68.90	57.67
0.00	0.00	0.00
0.00	0.00	0.00

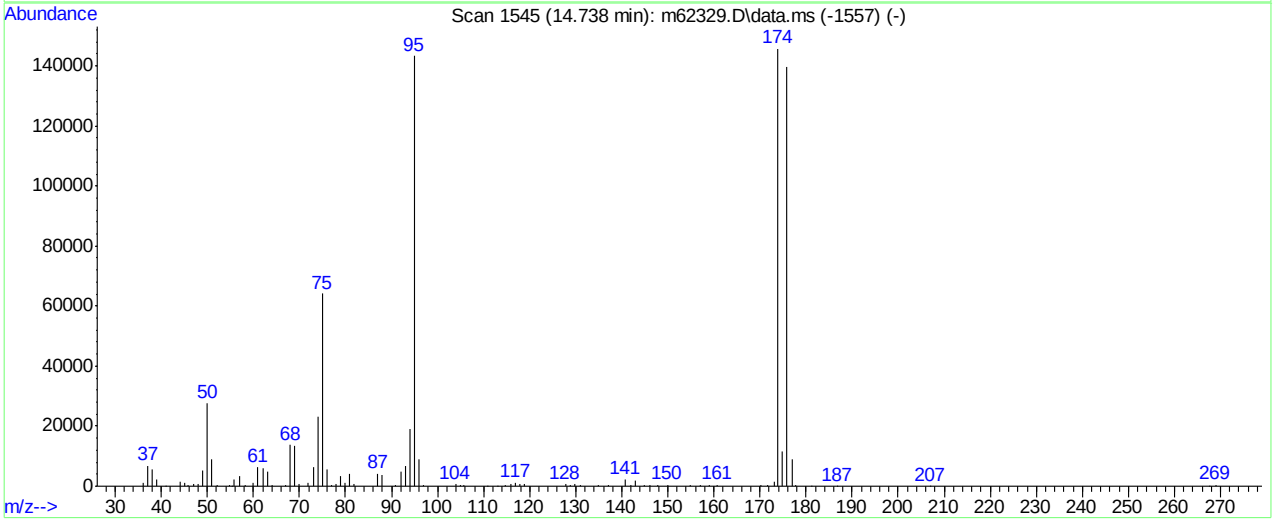
M62393.D edits: 1,4-dioxane

BFB

Data File : C:\msdchem\1\data\M131219S\m62329.D Vial: 5
Acq On : 19 Dec 2013 4:58 pm Operator: krystend
Sample : bfb Inst : GCMS M
Misc : MS30825,MSM2178,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M131219S.M (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Scan 1545

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	27640	PASS
75	95	30	60	44.8	64224	PASS
95	95	100	100	100.0	143328	PASS
96	95	5	9	6.4	9141	PASS
173	174	0.00	2	1.1	1570	PASS
174	95	50	150	101.7	145807	PASS
175	174	5	9	7.9	11535	PASS
176	174	95	101	95.8	139734	PASS
177	176	5	9	6.4	8875	PASS

m62329.D M131219S.M Fri Dec 20 10:19:33 2013

Scan 1545 (14.738 min): m62329.D\data.ms (-1557)
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	970	50.00	27640	63.00	4681	77.00	503
37.10	6885	51.00	8801	64.10	359	78.00	757
38.00	5521	52.10	358	67.00	546	78.90	3295
39.00	2345	54.80	241	68.00	13649	79.90	1280
40.90	175	55.20	185	69.00	13509	80.90	4128
44.00	1580	55.90	2286	70.00	840	81.80	626
45.00	1011	57.00	3530	71.90	1048	87.00	4149
45.90	250	58.20	232	73.00	6415	87.90	3590
47.10	910	60.00	1023	74.00	22992	90.90	411
48.10	829	61.00	6405	75.00	64224	92.00	4772
49.00	5431	62.00	5887	76.00	5625	93.00	6623

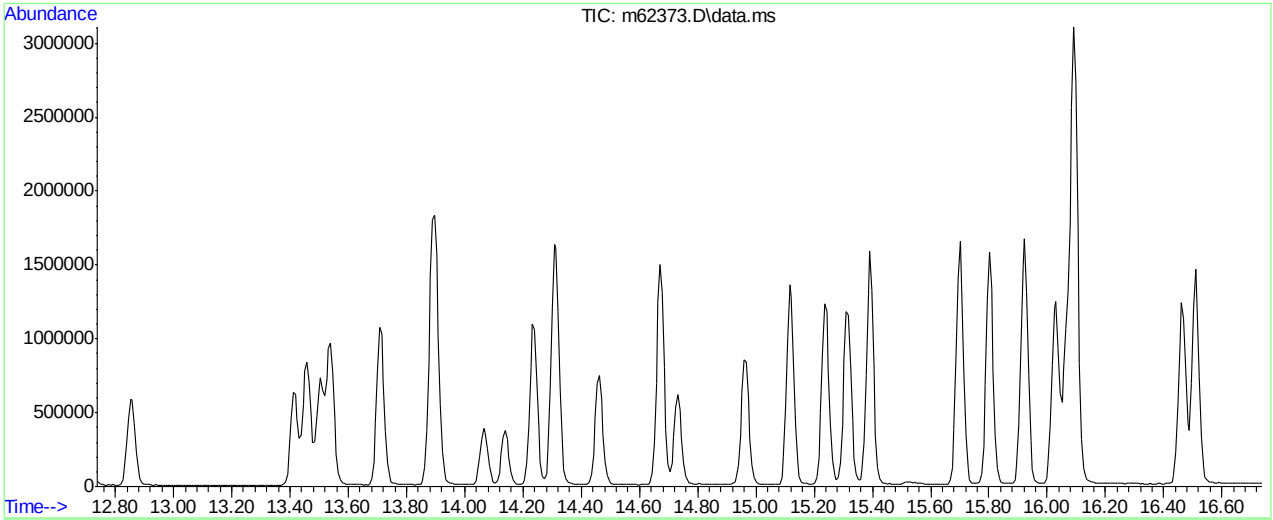
Scan 1545 (14.738 min): m62329.D\data.ms (-1557)
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	19056	117.00	1229	142.90	1831	173.10	1570
94.95	143328	117.80	844	144.80	272	173.90	145807
96.00	9141	118.90	783	146.00	359	174.90	11535
96.90	296	127.80	708	147.80	437	175.85	139734
103.90	611	128.70	231	149.90	479	176.90	8875
104.90	510	129.90	698	154.90	449	177.80	291
105.80	506	131.00	459	157.00	350	181.20	157
110.70	150	135.00	342	158.90	200	186.80	184
112.90	164	137.00	224	160.80	398	207.05	53
114.80	316	140.80	2384	170.10	209	267.50	150
116.00	704	142.05	214	171.60	379	269.00	390

BFB

Data File : C:\msdchem\1\data\M131220S\m62373.D Vial: 27
Acq On : 20 Dec 2013 11:19 pm Operator: krystend
Sample : bfb Inst : GCMS M
Misc : MS30848,MSM2180,5,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M131219S.M (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 1545

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.2	17330	PASS
75	95	30	60	47.5	45290	PASS
95	95	100	100	100.0	95355	PASS
96	95	5	9	6.2	5958	PASS
173	174	0.00	2	1.2	1159	PASS
174	95	50	150	101.9	97183	PASS
175	174	5	9	8.1	7850	PASS
176	174	95	101	99.6	96785	PASS
177	176	5	9	6.1	5948	PASS

m62373.D M131219S.M Sun Dec 22 10:51:30 2013

Scan 1545 (14.738 min): m62373.D\data.ms (-1555)
cc2178-50
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	778	51.05	5231	65.10	235	78.10	388
37.00	4357	52.30	204	68.00	8330	79.00	2429
38.10	3976	55.10	424	69.00	9336	80.00	909
38.95	1359	56.00	1811	70.10	577	80.90	2749
40.95	71	57.10	2477	72.05	983	81.90	525
43.00	170	59.90	1012	73.00	3976	85.90	203
45.00	773	61.00	5296	74.00	14486	87.00	2749
47.10	943	62.00	4336	75.00	45290	87.90	2370
47.90	754	63.10	3245	76.00	3246	89.30	286
49.00	4969	63.80	225	76.80	406	90.90	395
50.00	17330	64.20	277	77.20	189	92.00	3348

Scan 1545 (14.738 min): m62373.D\data.ms (-1555)
cc2178-50
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	5153	115.80	418	136.80	245	158.80	175
94.00	10808	117.00	781	139.80	282	161.10	195
94.95	95355	117.70	357	140.90	1558	163.80	152
96.00	5958	118.90	670	143.00	1199	171.90	223
97.00	162	120.20	410	145.80	153	173.10	1159
103.00	431	127.80	487	147.85	259	173.85	97183
103.90	564	129.00	213	148.90	186	174.90	7850
105.00	477	130.00	358	149.90	209	175.90	96785
105.90	506	130.70	168	154.80	622	176.90	5948
111.90	159	132.80	216	156.00	263	177.85	228
115.00	214	134.90	402	156.90	245	207.05	306

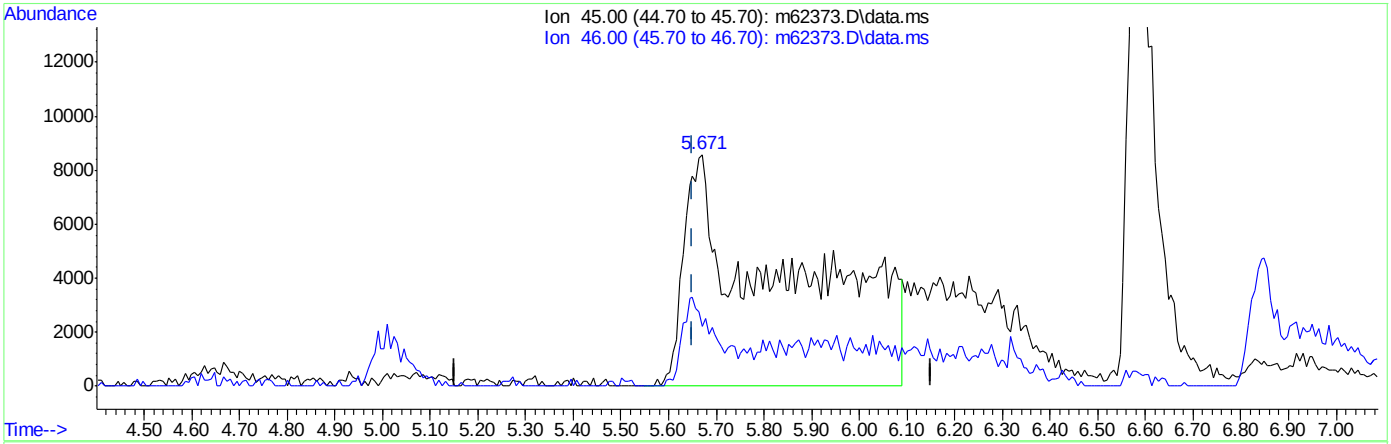
Scan 1545 (14.738 min): m62373.D\data.ms (-1555)
cc2178-50
Modified:subtracted

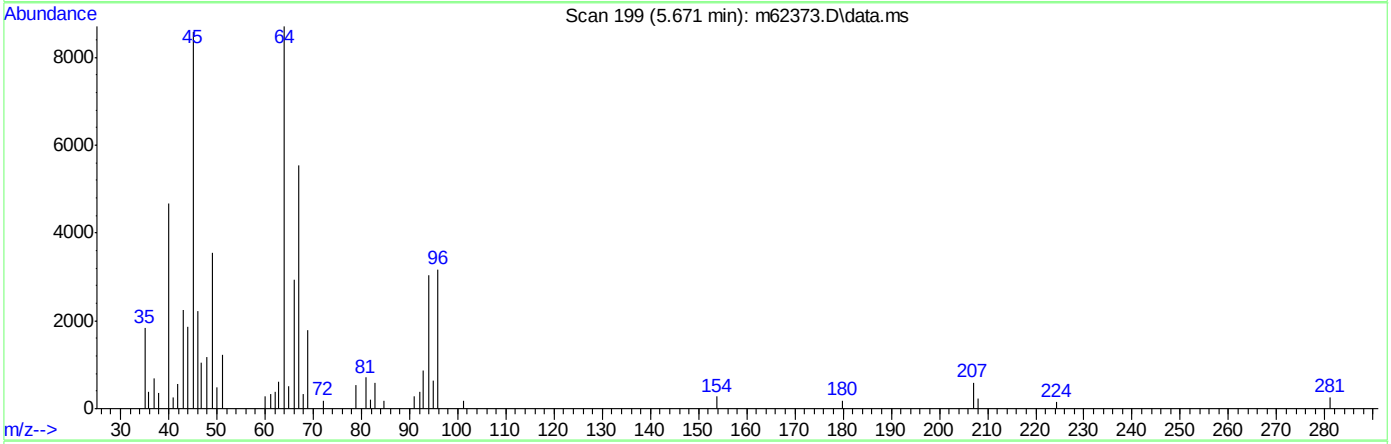
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
208.90	151						
281.10	277						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62373.D\data.ms

(3) Ethanol (P)

5.671min (+0.020) 7181.22ug/kg

response 126824

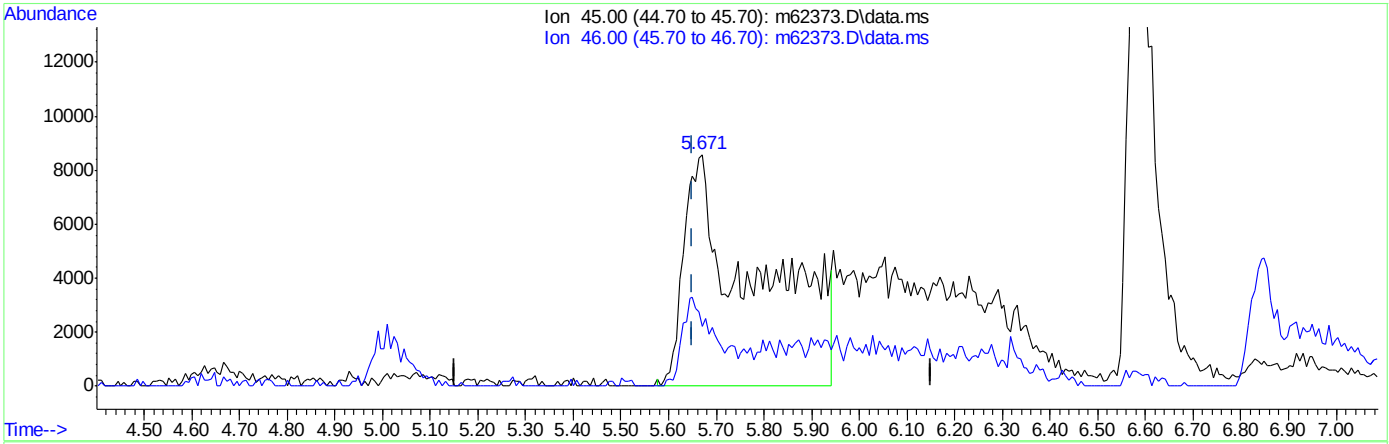
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	22.02#
0.00	0.00	0.00
0.00	0.00	0.00

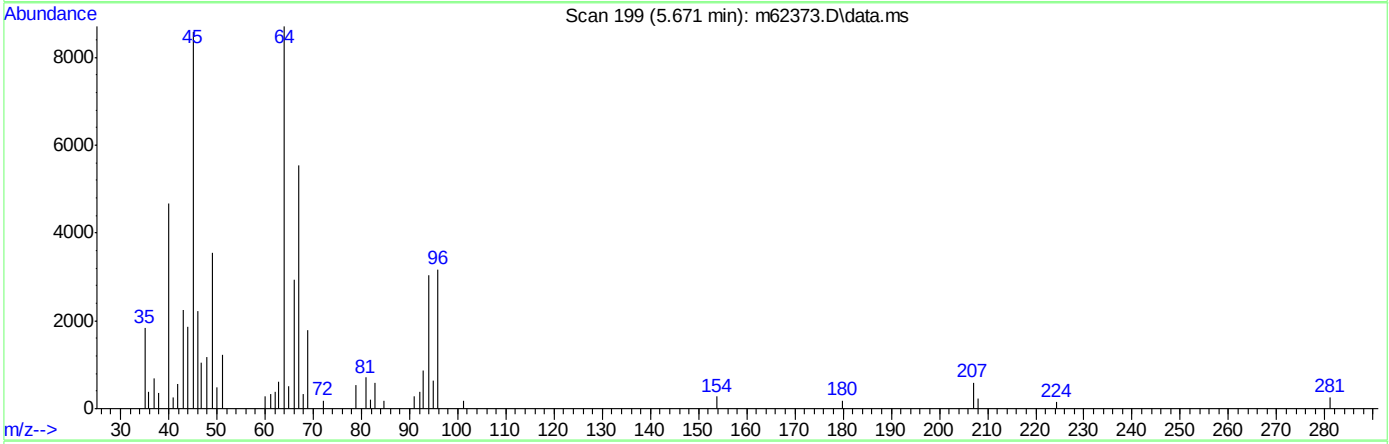
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62373.D\data.ms

(3) Ethanol (P)

5.671min (+0.020) 5106.70ug/kg m

response 90187

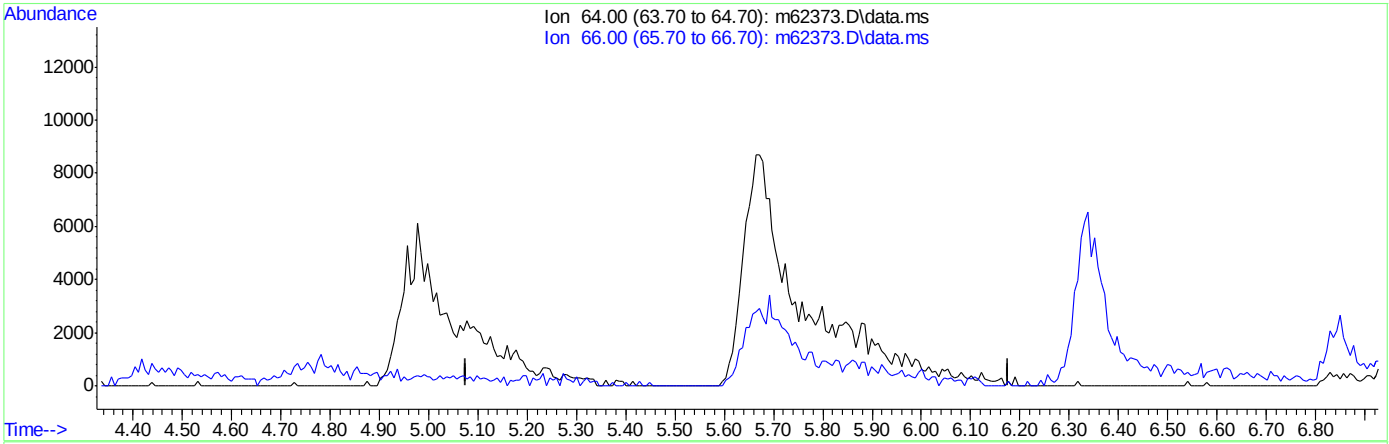
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	30.97#
0.00	0.00	0.00
0.00	0.00	0.00

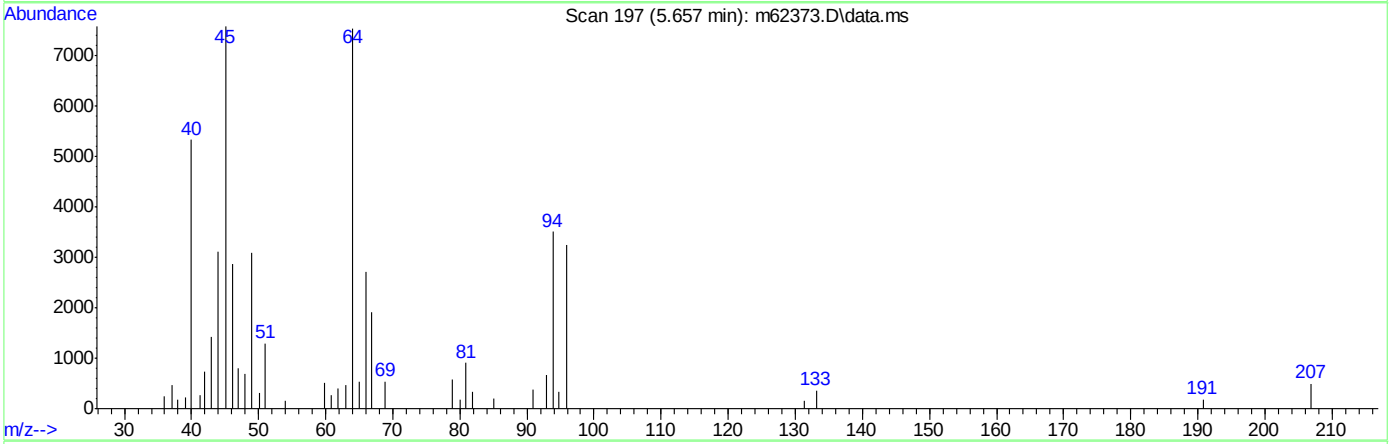
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62373.D\data.ms

(9) chloroethane (P)

5.657min (-5.657) 0.00ug/kg

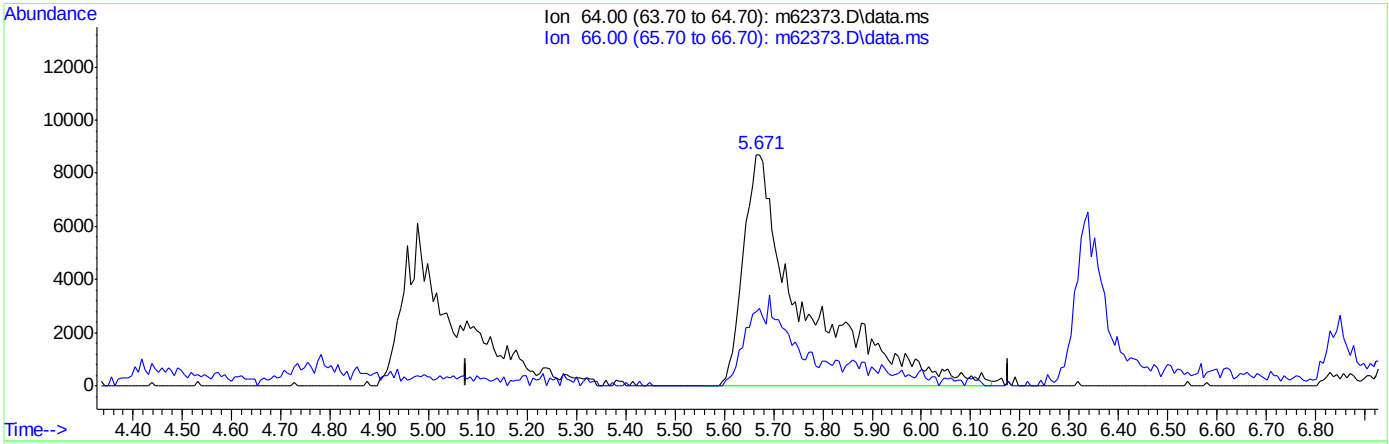
response 0

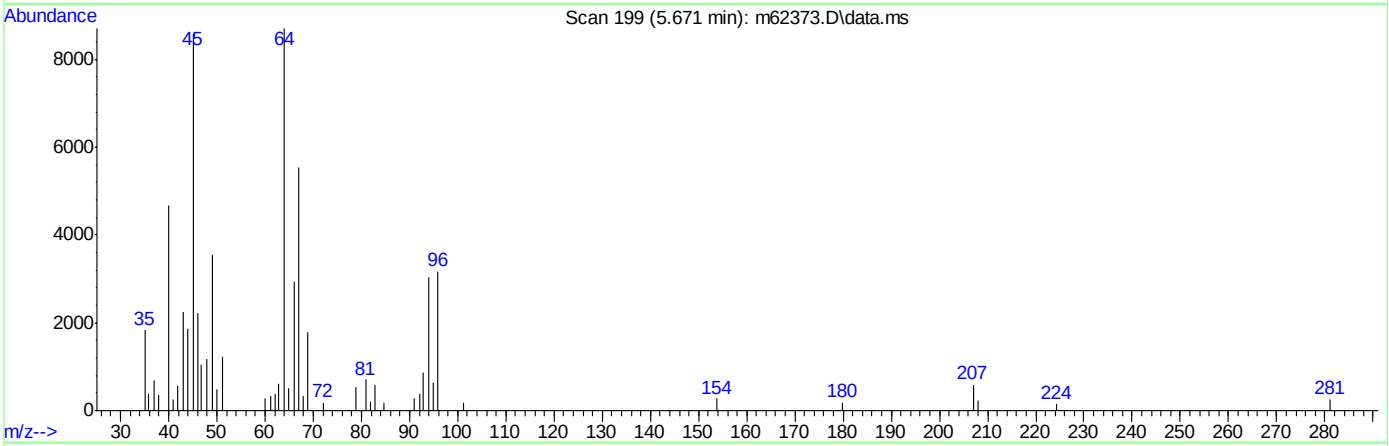
Ion	Exp%	Act%
64.00	100	0.00
66.00	30.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62373.D\data.ms

(9) chloroethane (P)

5.671min (+0.014) 44.61ug/kg m

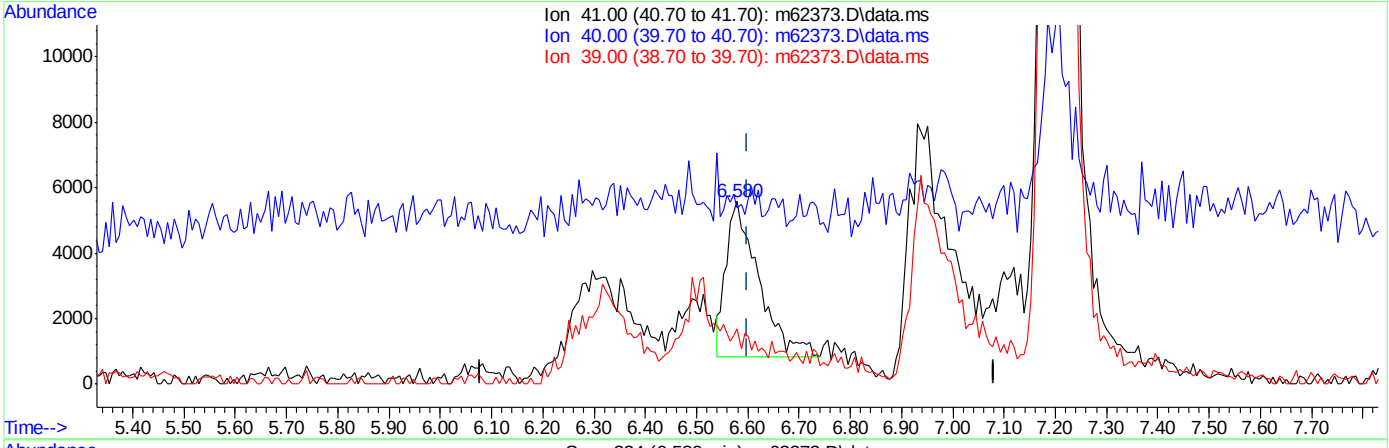
response 74437

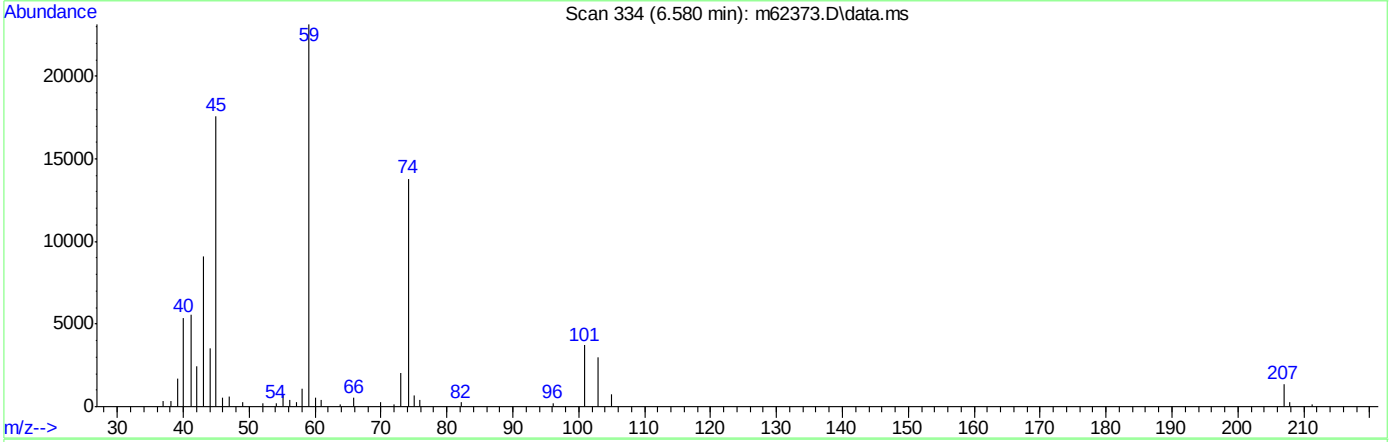
Ion	Exp%	Act%
64.00	100	100
66.00	30.40	33.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62373.D\data.ms

(11) acetonitrile (P)

6.580min (-0.020) 29.89ug/kg

response 20842

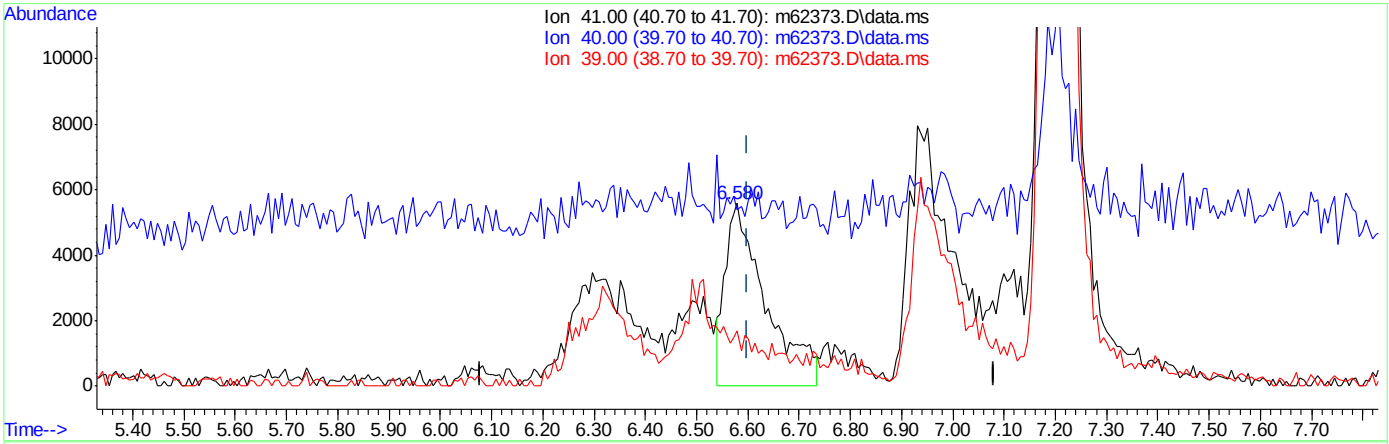
Ion	Exp%	Act%
41.00	100	100
40.00	0.00	10.53
39.00	18.50	23.50
0.00	0.00	0.00

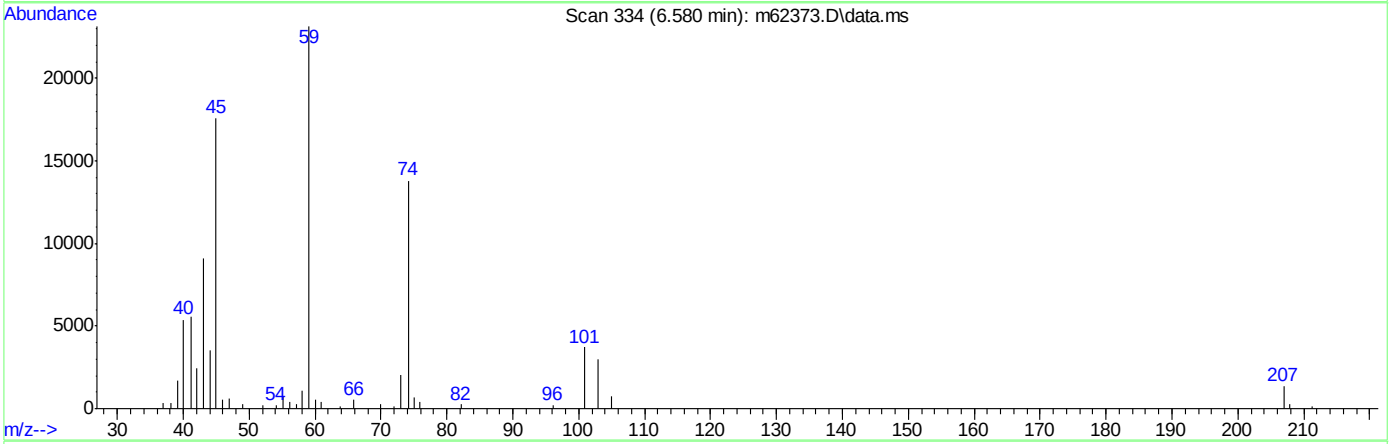
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62373.D\data.ms

(11) acetonitrile (P)

6.580min (-0.020) 44.13ug/kg m

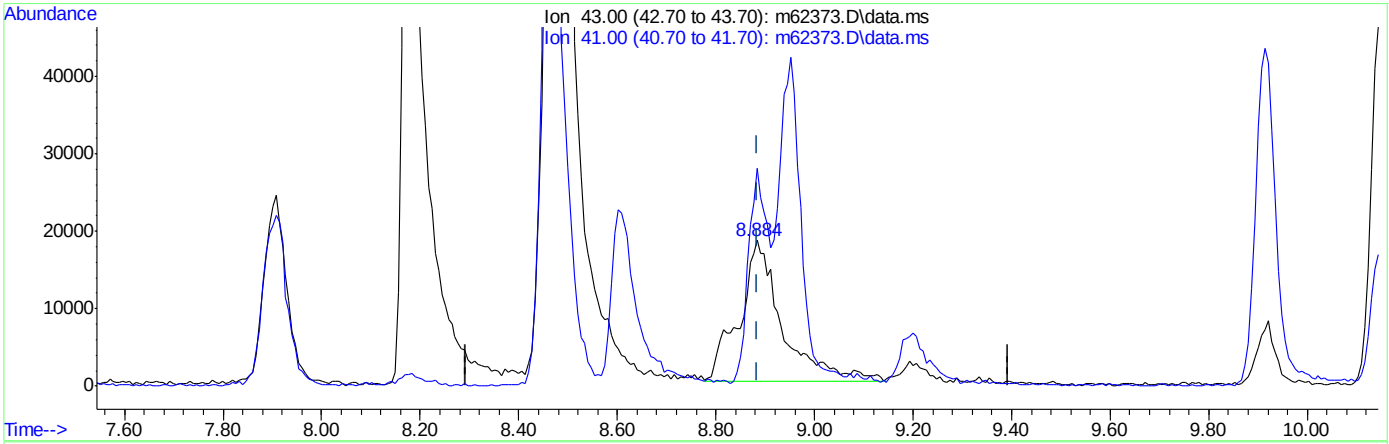
response 30770

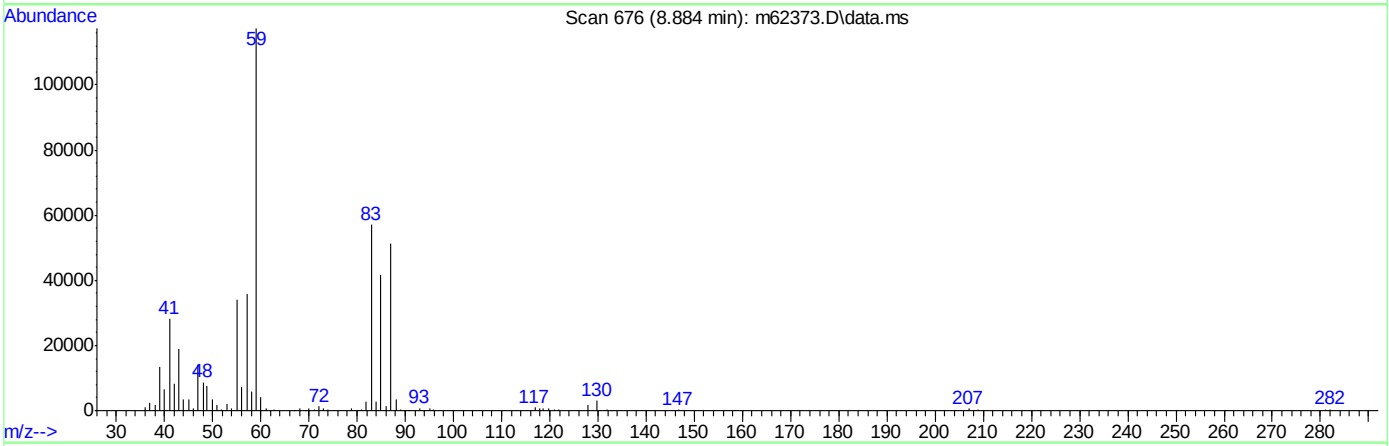
Ion	Exp%	Act%
41.00	100	100
40.00	0.00	96.44#
39.00	18.50	30.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62373.D\data.ms

(33) isobutyl alcohol (P)

8.884min (-0.000) 389.40ug/kg

response 110856

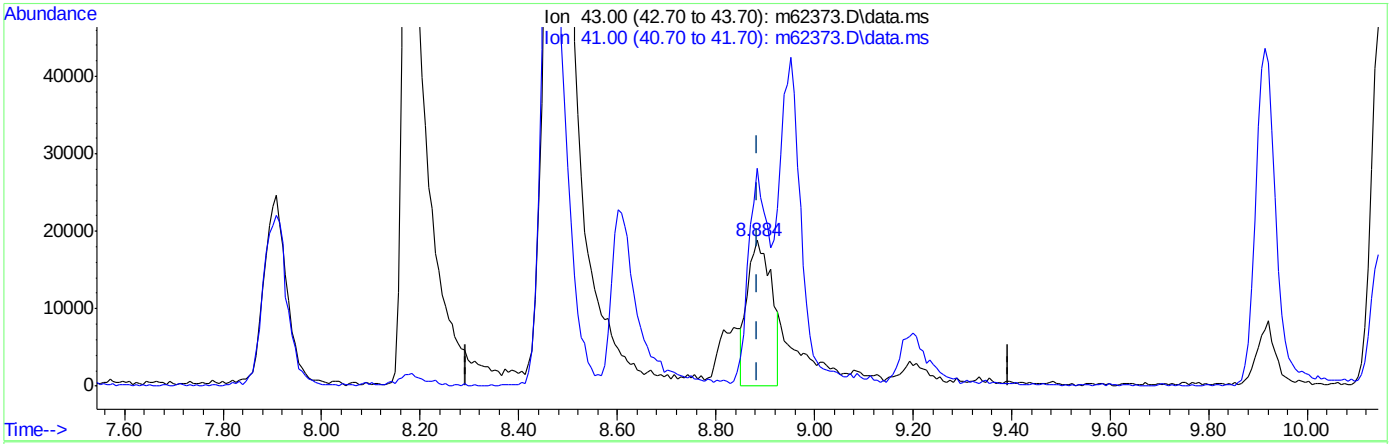
Ion	Exp%	Act%
43.00	100	100
41.00	142.20	150.62
0.00	0.00	0.00
0.00	0.00	0.00

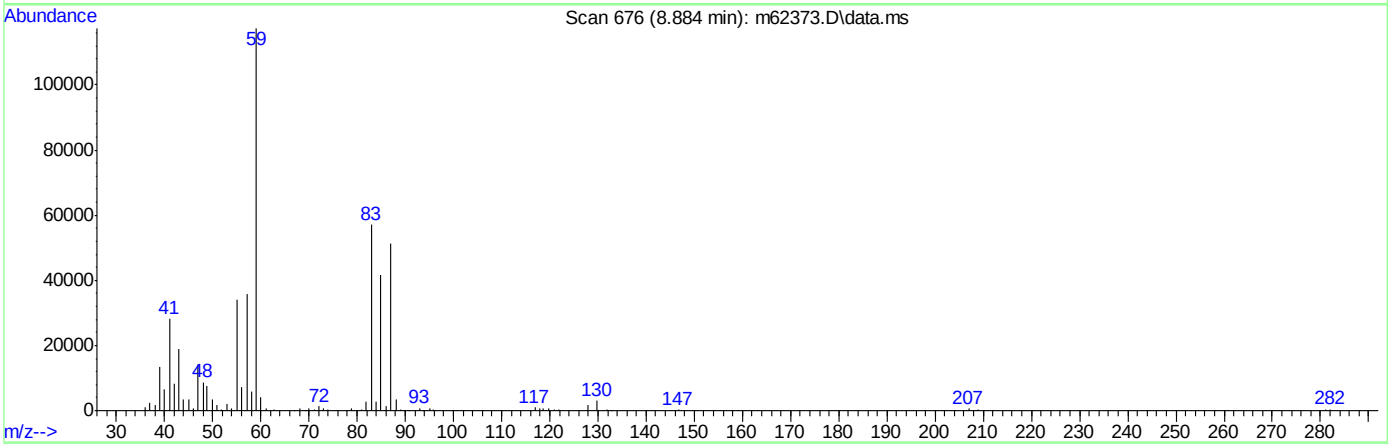
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62373.D\data.ms

(33) isobutyl alcohol (P)

8.884min (-0.000) 221.30ug/kg m

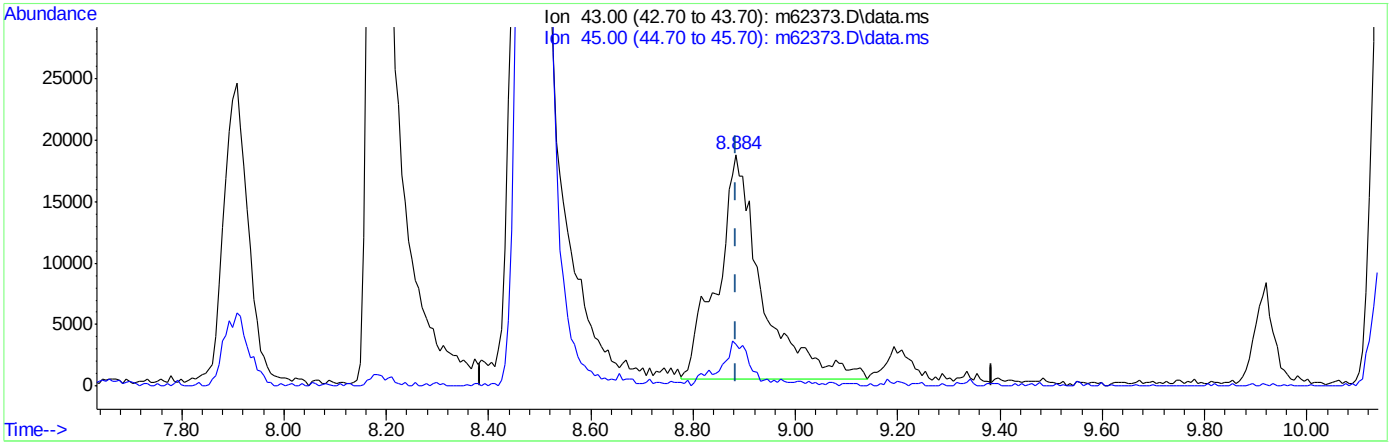
response 63000

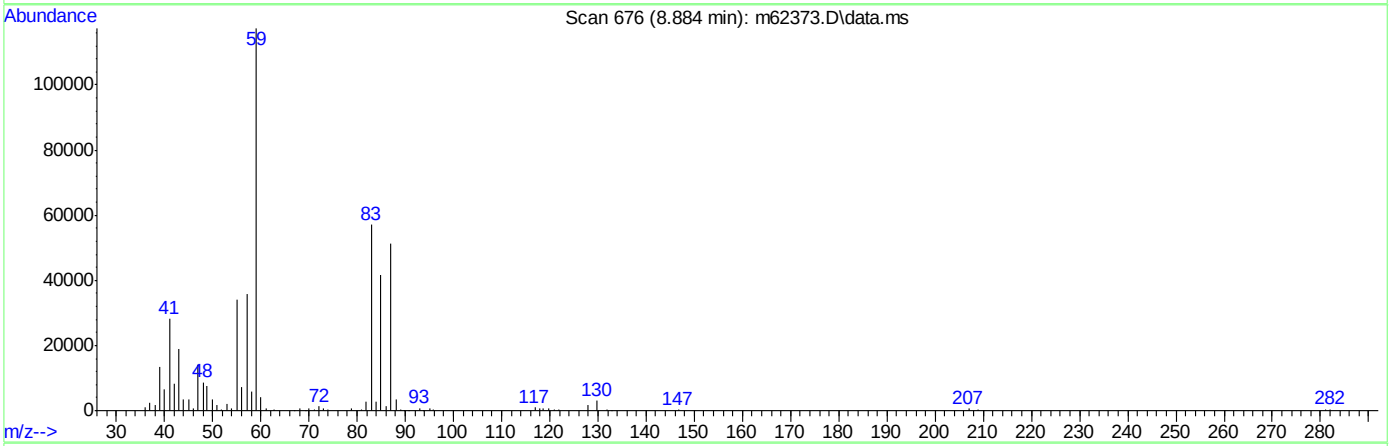
Ion	Exp%	Act%
43.00	100	100
41.00	142.20	149.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62373.D\data.ms

(36) ethyl acetate (P)

8.884min (-0.000) 52.26ug/kg

response 110856

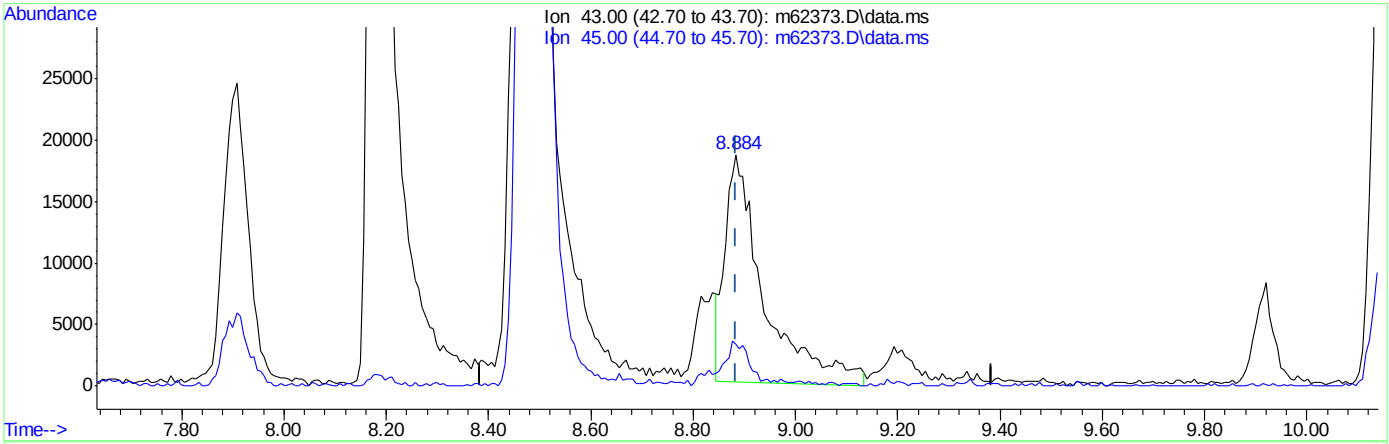
Ion	Exp%	Act%
43.00	100	100
45.00	19.90	18.73
0.00	0.00	0.00
0.00	0.00	0.00

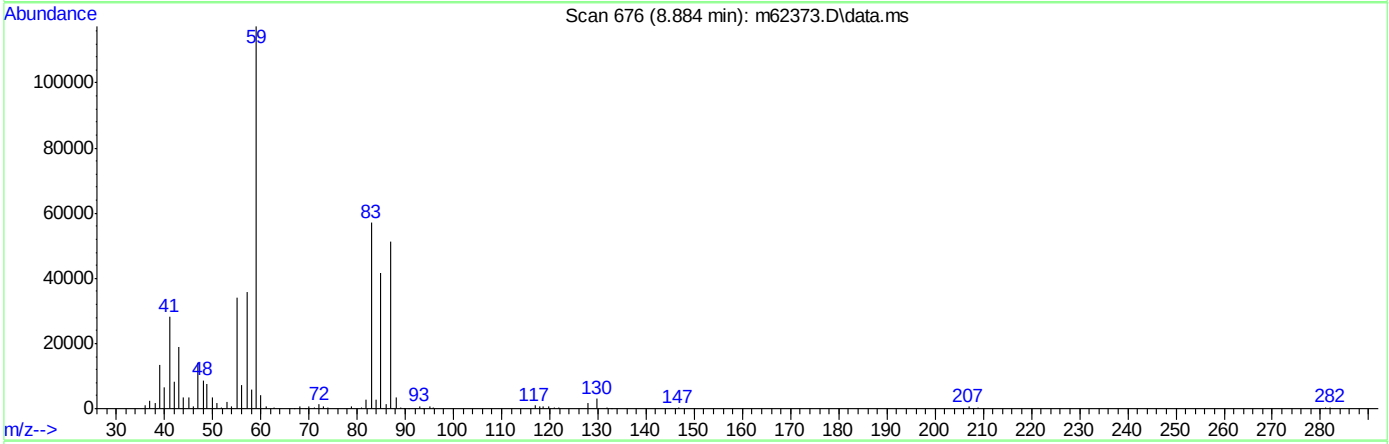
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62373.D\data.ms

(36) ethyl acetate (P)

8.884min (-0.000) 46.78ug/kg m

response 99242

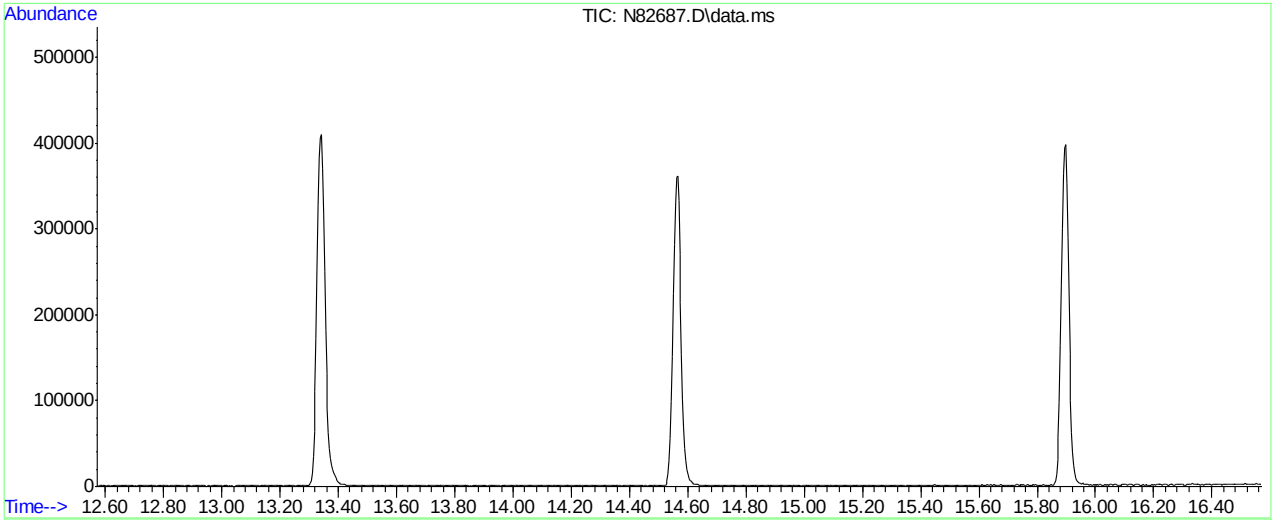
Ion	Exp%	Act%
43.00	100	100
45.00	19.90	18.15
0.00	0.00	0.00
0.00	0.00	0.00

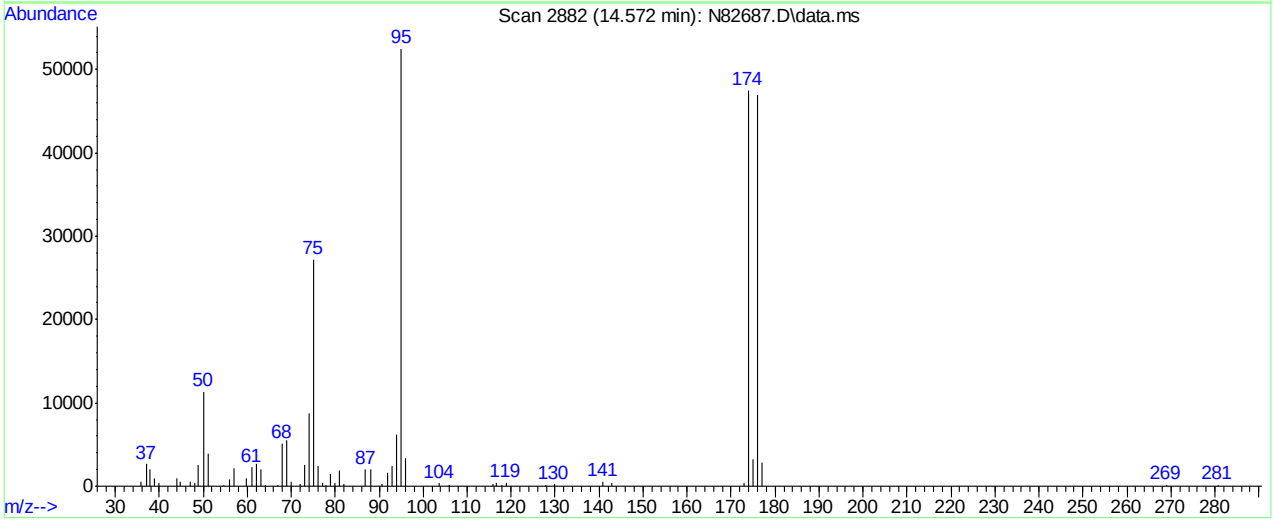
ACCUTEST LABORATORIES MC27146

SW-846 Method 8260

Data File : C:\msdchem\1\data\N131125\N82687.D Vial: 18
Acq On : 25 Nov 2013 11:37 am Operator: jaclynb
Sample : bfb Inst : MSN
Misc : ms30621,MSN3086,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\n131125w.m (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Scan 2882

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.6	11360	PASS
75	95	30	60	51.7	27176	PASS
95	95	100	100	100.0	52520	PASS
96	95	5	9	6.5	3408	PASS
173	174	0.00	2	0.9	432	PASS
174	95	50	150	90.4	47480	PASS
175	174	5	9	6.7	3196	PASS
176	174	95	101	98.9	46936	PASS
177	176	5	9	6.0	2804	PASS

N82687.D n131125w.m Tue Nov 26 10:38:48 2013

Scan 2882 (14.572 min): N82687.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	531	51.00	3840	69.00	5552	80.90	1831
37.00	2665	54.70	185	69.90	543	81.90	223
37.90	2080	56.00	750	72.00	244	86.90	2069
39.00	883	56.90	2118	73.00	2605	88.00	1998
39.90	460	59.90	891	74.00	8691	90.70	265
43.90	1011	61.00	2313	75.00	27176	91.90	1582
44.80	506	62.00	2708	76.00	2404	92.90	2405
47.00	577	63.00	1963	77.00	404	94.00	6213
48.00	380	64.10	157	77.80	186	95.00	52520
48.90	2609	67.00	177	78.80	1546	96.00	3408
50.00	11360	67.90	5169	79.80	426	103.70	356

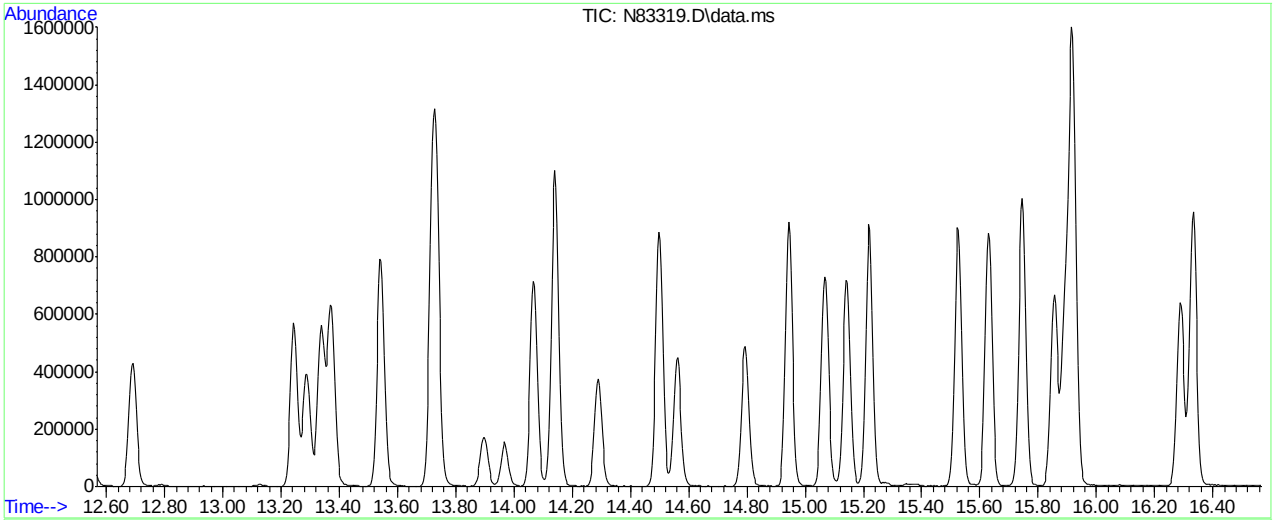
Scan 2882 (14.572 min): N82687.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
105.90	183	174.90	3196				
115.80	249	175.90	46936				
116.70	379	176.90	2804				
117.80	197	269.00	162				
118.90	441	280.70	160				
127.80	178						
129.80	217						
140.90	549						
142.80	463						
172.90	432						
173.90	47480						

SW-846 Method 8260

Data File : C:\msdchem\1\data\N131216\N83319.D Vial: 42
Acq On : 16 Dec 2013 9:06 pm Operator: jaclynb
Sample : bfb Inst : MSN
Misc : ms30790,MSN3110,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\n131125w.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 2881

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	13606	PASS
75	95	30	60	45.4	32088	PASS
95	95	100	100	100.0	70664	PASS
96	95	5	9	7.1	5019	PASS
173	174	0.00	2	0.9	577	PASS
174	95	50	150	88.4	62432	PASS
175	174	5	9	6.5	4041	PASS
176	174	95	101	95.7	59728	PASS
177	176	5	9	5.8	3487	PASS

N83319.D n131125w.m Tue Dec 17 08:36:23 2013

Scan 2881 (14.569 min): N83319.D\data.ms
cc3086-50

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	753	50.00	13606	63.90	407	78.10	383
37.10	3102	51.00	4259	66.80	151	78.90	1525
37.90	2494	52.10	200	68.00	6094	79.80	406
39.00	1398	54.90	190	69.00	6066	80.80	1715
39.80	432	55.70	834	69.90	576	81.80	242
43.00	166	56.10	887	72.00	251	86.00	202
44.00	946	57.00	1501	72.90	3144	86.90	3736
44.90	519	59.90	730	74.00	10616	88.00	2489
47.10	896	61.00	2958	75.00	32088	88.70	294
48.00	533	62.00	2962	76.00	2906	91.00	385
49.00	2907	63.00	2400	77.00	752	92.00	1791

Scan 2881 (14.569 min): N83319.D\data.ms
cc3086-50

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.90	3196	118.90	396	175.90	59728		
94.00	7543	119.90	158	176.90	3487		
95.00	70664	128.00	216	206.90	241		
96.00	5019	129.80	205	252.90	251		
102.90	225	134.80	185	268.90	203		
103.70	334	140.80	450				
105.00	603	142.90	584				
105.70	548	154.60	231				
110.70	150	172.80	577				
116.90	308	173.90	62432				
117.70	287	174.90	4041				

SW-846 Method 8260

```
Data File : C:\msdchem\1\data\N131217\N83330.D          Vial: 17
Acq On    : 17 Dec 2013   9:09 am                   Operator: jaclynb
Sample    : bfb                                     Inst    : MSN
Misc      : ms30770,MSN3110,,,,5,1                  Multiplr: 1.00
MS Integration Params: RTEINT.P

Method    : C:\msdchem\1\methods\n131125w.m (RTE Integrator)
Title     : SW-846 Method 8260
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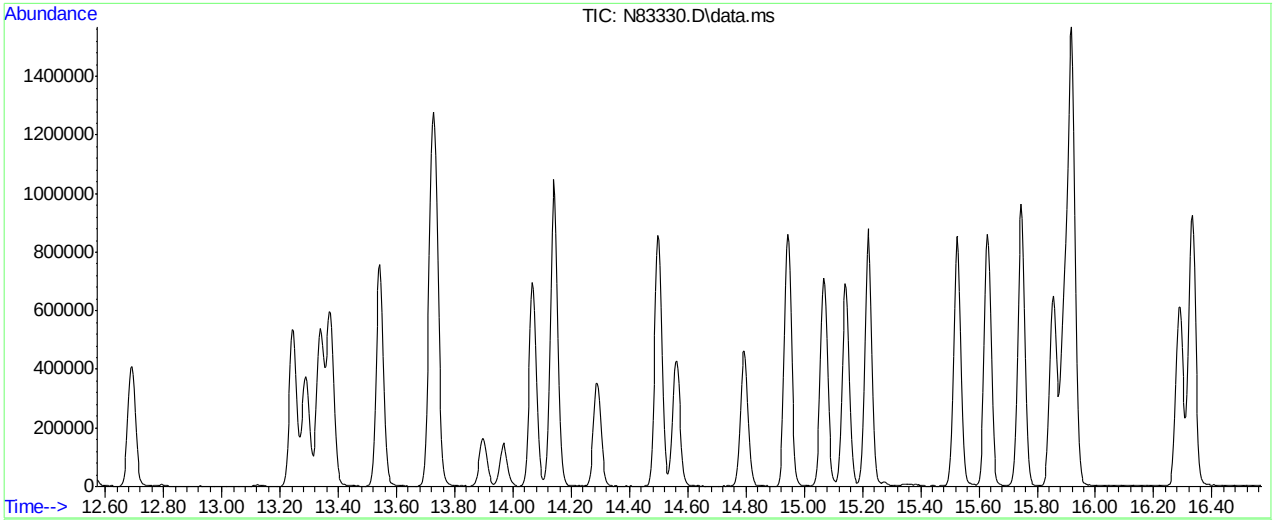
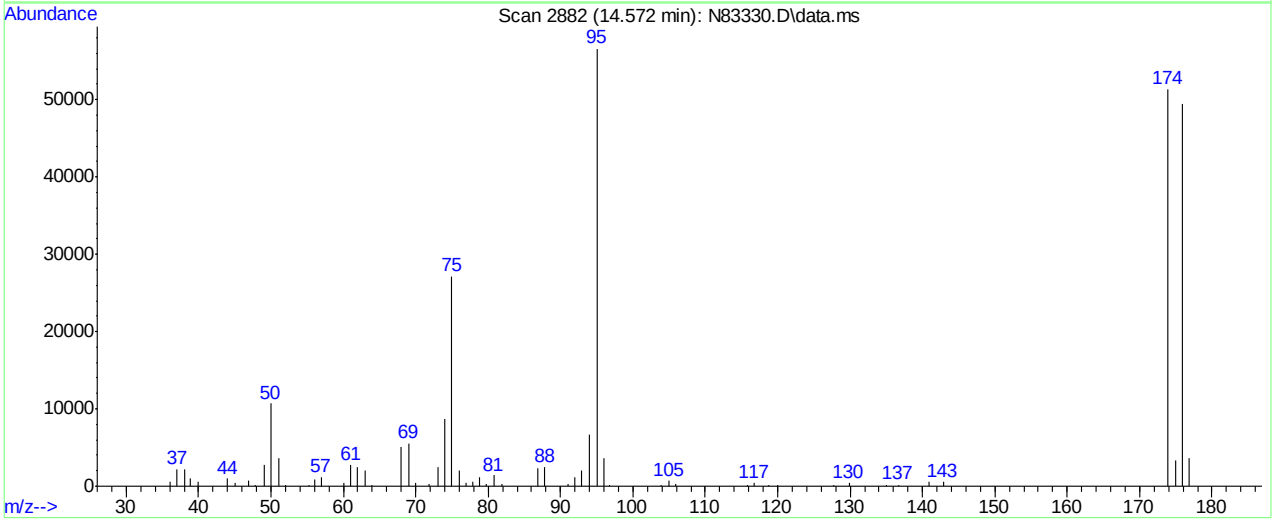




Spectrum Information: Scan 2882

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.9	10728	PASS
75	95	30	60	48.0	27184	PASS
95	95	100	100	100.0	56616	PASS
96	95	5	9	6.5	3659	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	90.8	51384	PASS
175	174	5	9	6.4	3285	PASS
176	174	95	101	96.3	49472	PASS
177	176	5	9	7.3	3589	PASS

N83330.D n131125w.m Tue Dec 17 10:19:03 2013

Scan 2882 (14.572 min): N83330.D\data.ms
cc3086-50

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	600	51.10	3567	69.00	5529	80.80	1412
37.00	2206	52.00	155	70.00	382	81.90	327
38.00	2109	55.20	212	71.90	248	86.90	2334
38.90	956	56.00	937	73.00	2477	87.80	2511
40.00	584	56.90	1212	74.00	8674	91.00	248
44.00	956	60.00	442	75.00	27184	91.90	1220
45.00	390	61.00	2731	76.00	2099	92.90	1996
46.90	673	62.00	2413	76.90	370	94.00	6727
47.80	210	63.00	1969	77.80	556	95.00	56616
49.00	2814	64.00	175	78.80	1228	96.00	3659
50.00	10728	68.00	5117	79.80	229	96.80	213

Scan 2882 (14.572 min): N83330.D\data.ms
cc3086-50

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.90	165	140.90	537				
105.00	673	142.90	544				
105.90	289	173.90	51384				
115.80	167	174.90	3285				
116.80	388	175.90	49472				
118.80	217	176.90	3589				
120.00	209						
127.80	165						
129.90	370						
135.00	167						
136.70	172						

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/20/13 10:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62330.D
Acq On : 19 Dec 2013 5:27 pm
Operator : krystend
Sample : IC2178-0.5
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 08:24:57 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:23:31 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.829	65	111965	500.00	ug/kg	-0.02
4) pentafluorobenzene	9.349	168	348539	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	516401	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	211249	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	286987	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	0.000	113	0	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
59) toluene-d8 (s)	0.000	98	0d	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
81) bromofluorobenzene (s)	0.000	95	0	0.00	ug/kg	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
46) benzene	10.036	78	8138	0.81	ug/kg	87
50) trichloroethene	10.649	95	3038m	0.90	ug/kg	
66) tetrachloroethene	12.858	166	2898m	0.77	ug/kg	

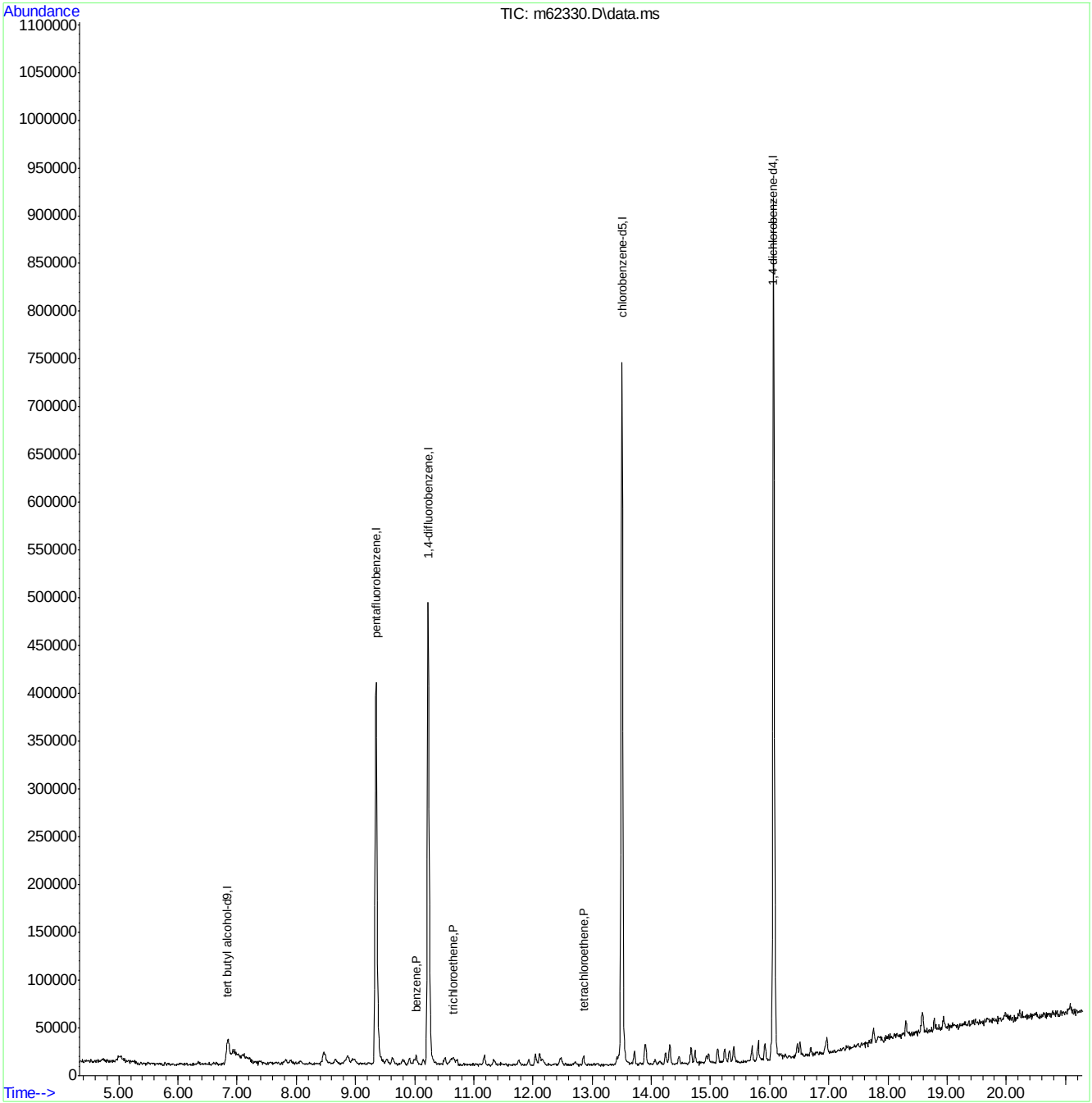
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62330.D
Acq On : 19 Dec 2013 5:27 pm
Operator : krystend
Sample : IC2178-0.5
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

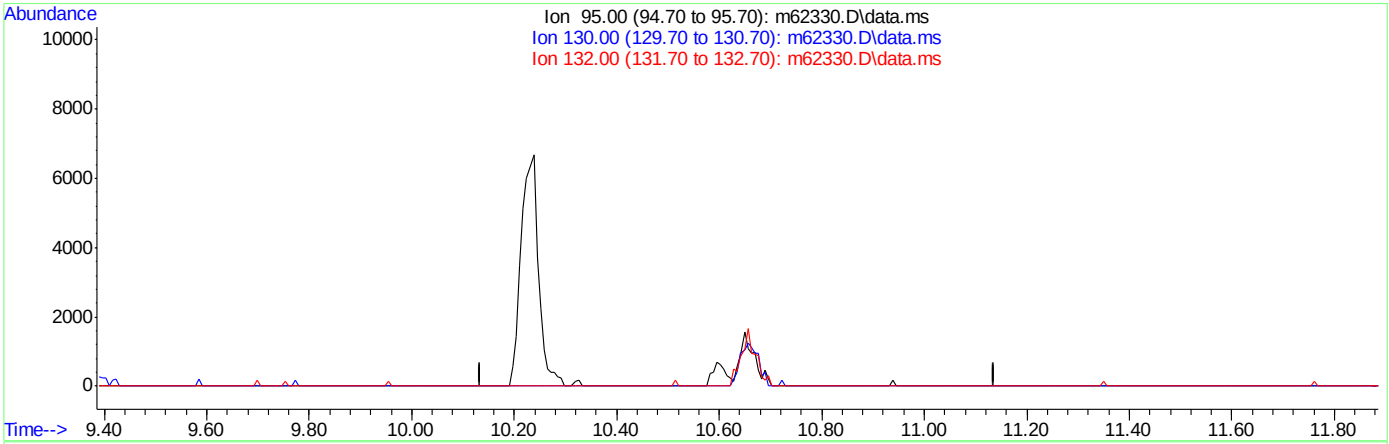
Quant Time: Dec 20 08:24:57 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:23:31 2013
Response via : Initial Calibration

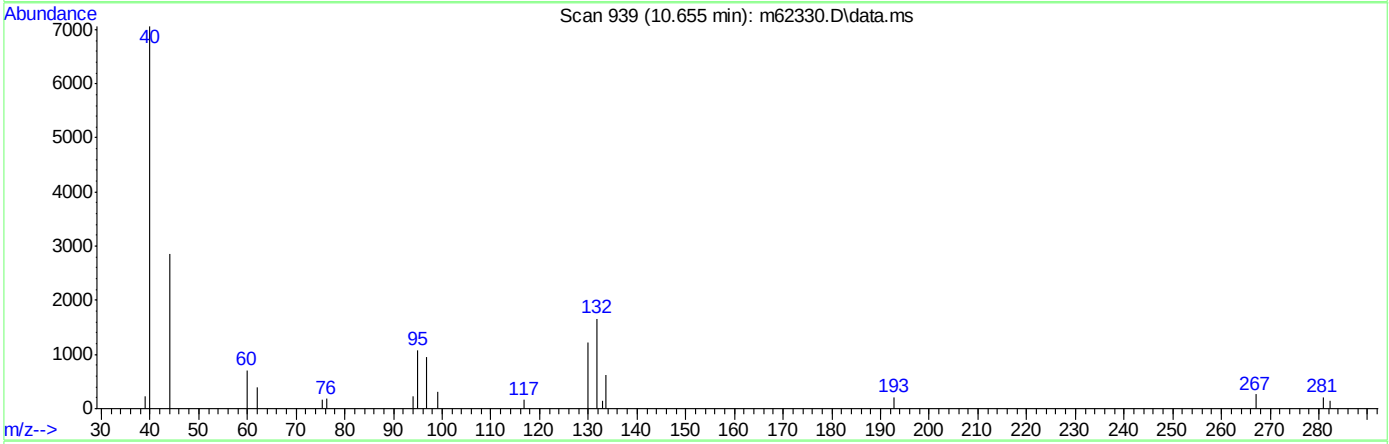


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62330.D
Acq On : 19 Dec 2013 5:27 pm
Operator : krystend
Sample : IC2178-0.5
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 08:23:48 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:23:31 2013
Response via : Initial Calibration





TIC: m62330.D\data.ms

(50) trichloroethene (P)

10.656min (-10.656) 0.00ug/kg

response 0

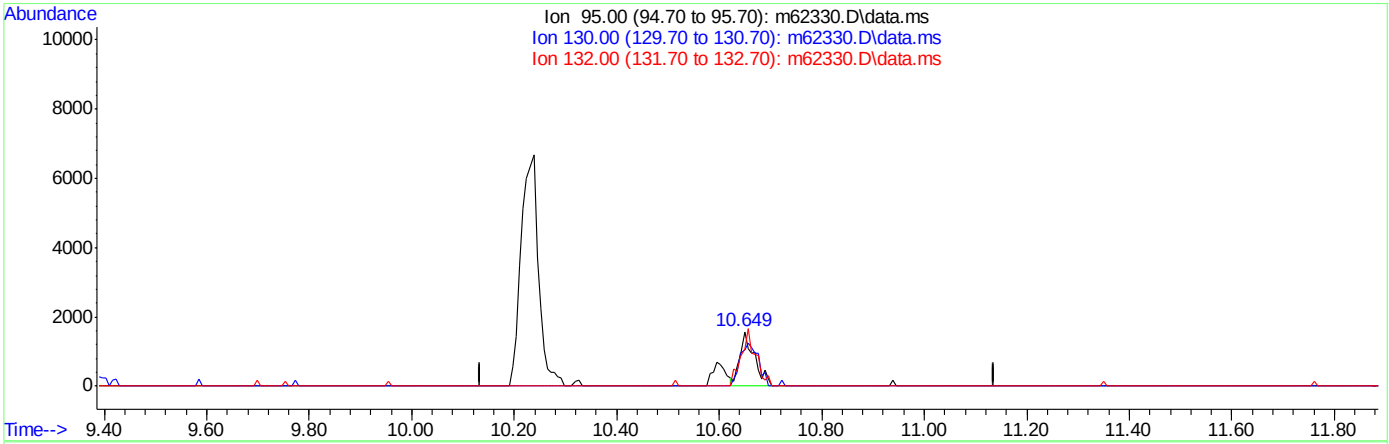
Ion	Exp%	Act%
95.00	100	0.00
130.00	126.60	0.00#
132.00	118.90	0.00#
0.00	0.00	0.00

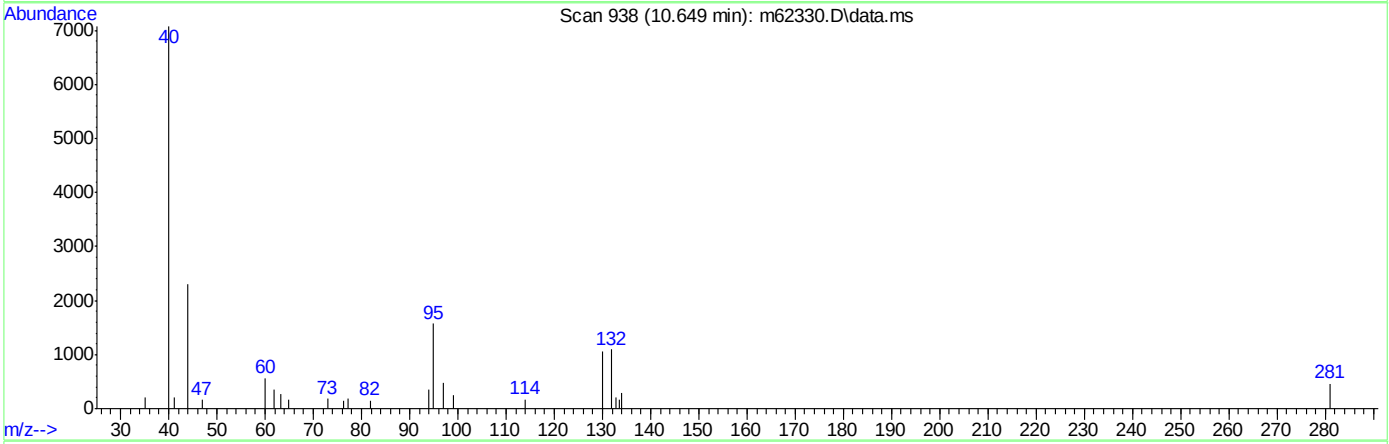
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62330.D
Acq On : 19 Dec 2013 5:27 pm
Operator : krystend
Sample : IC2178-0.5
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 08:23:48 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:23:31 2013
Response via : Initial Calibration





TIC: m62330.D\data.ms

(50) trichloroethene (P)

10.649min (-0.007) 0.90ug/kg m

response 3038

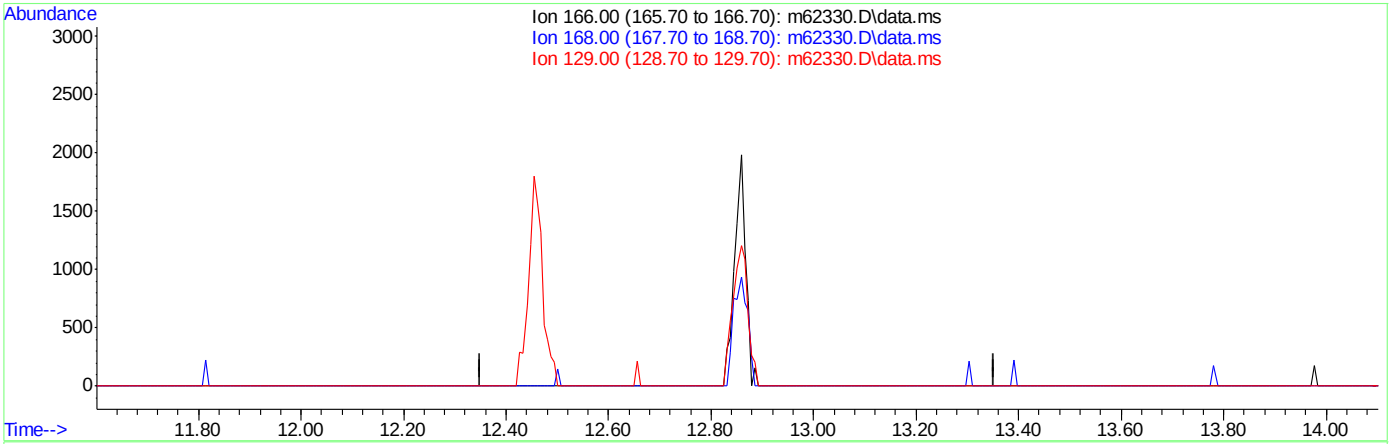
Ion	Exp%	Act%
95.00	100	100
130.00	126.60	66.82#
132.00	118.90	69.43#
0.00	0.00	0.00

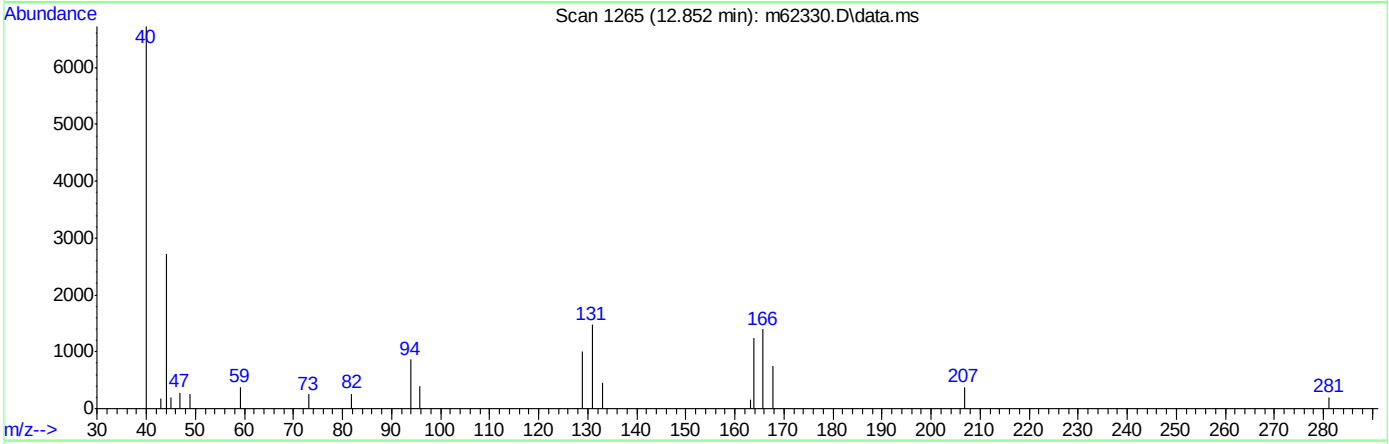
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62330.D
Acq On : 19 Dec 2013 5:27 pm
Operator : krystend
Sample : IC2178-0.5
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 08:23:48 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:23:31 2013
Response via : Initial Calibration





TIC: m62330.D\data.ms

(66) tetrachloroethene (P)

12.852min (-12.852) 0.00ug/kg

response 0

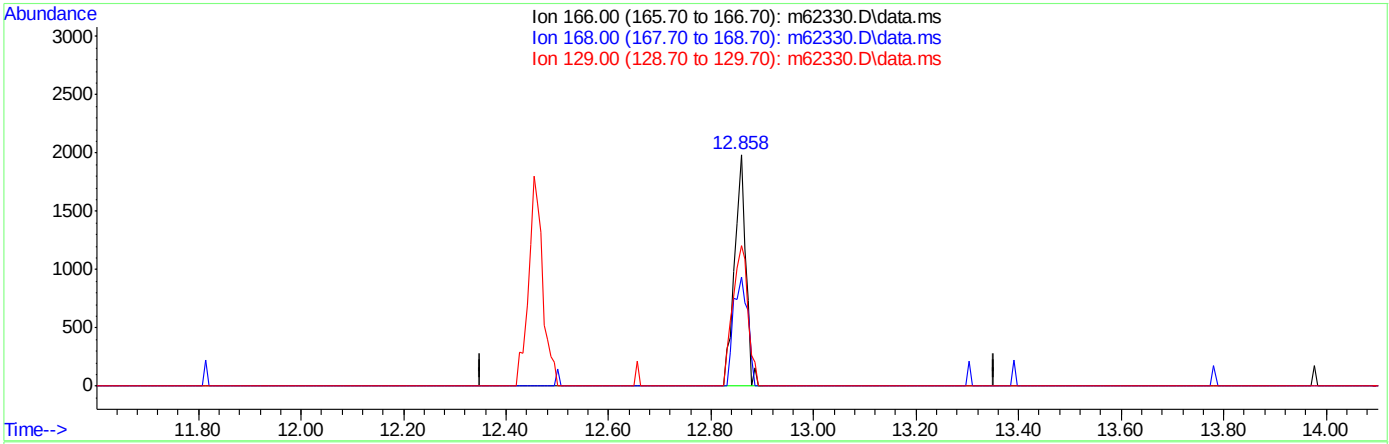
Ion	Exp%	Act%
166.00	100	0.00
168.00	42.70	0.00#
129.00	82.20	0.00#
0.00	0.00	0.00

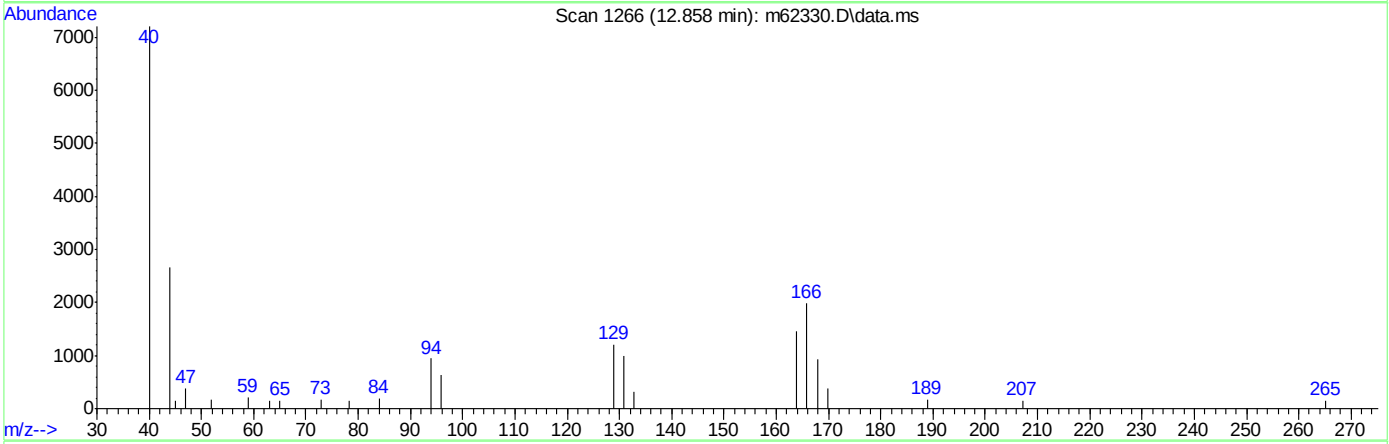
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62330.D
Acq On : 19 Dec 2013 5:27 pm
Operator : krystend
Sample : IC2178-0.5
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 08:23:48 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:23:31 2013
Response via : Initial Calibration





TIC: m62330.D\data.ms

(66) tetrachloroethene (P)

12.858min (+0.007) 0.77ug/kg m

response 2898

Ion	Exp%	Act%
166.00	100	100
168.00	42.70	47.01
129.00	82.20	60.90
0.00	0.00	0.00

ACCUTEST LABORATORIES MC27146

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/20/13 10:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62331.D
Acq On : 19 Dec 2013 5:56 pm
Operator : krystend
Sample : IC2178-2
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 20 09:14:22 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:25:08 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	103044	500.00	ug/kg	-0.01
4) pentafluorobenzene	9.349	168	342222	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.225	114	507723	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	211157	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	282807	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	9890	4.56	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	9.12%#		
59) toluene-d8 (s)	12.043	98	30244	5.03	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	10.06%#		
81) bromofluorobenzene (s)	14.731	95	12063	4.36	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	8.72%#		
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.917	59	9360m	21.07	ug/kg	
3) Ethanol	5.657	45	5112m	190.79	ug/kg	
5) dichlorodifluoromethane	4.438	85	7064m	2.23	ug/kg	
6) chloromethane	4.701	50	10832	2.47	ug/kg	97
7) vinyl chloride	4.977	62	8777	2.35	ug/kg	66
8) bromomethane ...	5.509	96	6241	1.92	ug/kg	75
12) trichlorofluoromethane	6.338	101	13796	1.74	ug/kg	100
13) freon-113	7.153	101	7272	2.96	ug/kg	90
15) 1,1-dichloroethene	6.930	96	8509	3.48	ug/kg	86
18) methylene chloride	7.092	84	7391	2.84	ug/kg	98
19) methyl tert butyl ether	7.901	73	16288	2.41	ug/kg	88
21) allyl chloride	7.200	41	13134	2.92	ug/kg	76
22) trans-1,2-dichloroethene	7.820	96	8830m	3.37	ug/kg	
23) iodomethane	7.005	142	16542	2.76	ug/kg	91
24) carbon disulfide	7.382	76	17443	2.65	ug/kg	99
26) vinyl acetate	8.237	43	11611	1.65	ug/kg	79
27) chloroprene	8.439	53	13392	2.75	ug/kg	97
28) di-isopropyl ether	8.487	45	26239	2.51	ug/kg	93
29) methacrylonitrile	8.466	41	15122	7.10	ug/kg#	54
31) 1,1-dichloroethane	8.076	63	12750	2.63	ug/kg	92
32) tert-butyl ethyl ether	8.884	59	17402	2.27	ug/kg	91
33) isobutyl alcohol	8.897	43	7522	23.78	ug/kg#	47
34) 2,2-dichloropropane	8.951	77	10990	3.20	ug/kg	84
35) cis-1,2-dichloroethene	8.655	96	9285	3.03	ug/kg	87
36) ethyl acetate	8.897	43	7522	3.64	ug/kg	99
37) bromochloromethane	8.817	128	5395	2.58	ug/kg#	80
38) chloroform	8.864	83	15131	2.71	ug/kg	99
41) 1,1,1-trichloroethane	9.625	97	15303	3.02	ug/kg	92
43) Cyclohexane	9.908	56	13075	3.05	ug/kg	88
44) carbon tetrachloride	9.996	117	16554	2.79	ug/kg	97
45) 1,1-dichloropropene	9.807	75	10061	2.94	ug/kg	91
46) benzene	10.029	78	26026	2.01	ug/kg	100
47) 1,2-dichloroethane	9.524	62	12253	2.26	ug/kg	97
48) tert-amyl methyl ether	10.144	73	13666	2.31	ug/kg	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62331.D
Acq On : 19 Dec 2013 5:56 pm
Operator : krystend
Sample : IC2178-2
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 20 09:14:22 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:25:08 2013
Response via : Initial Calibration

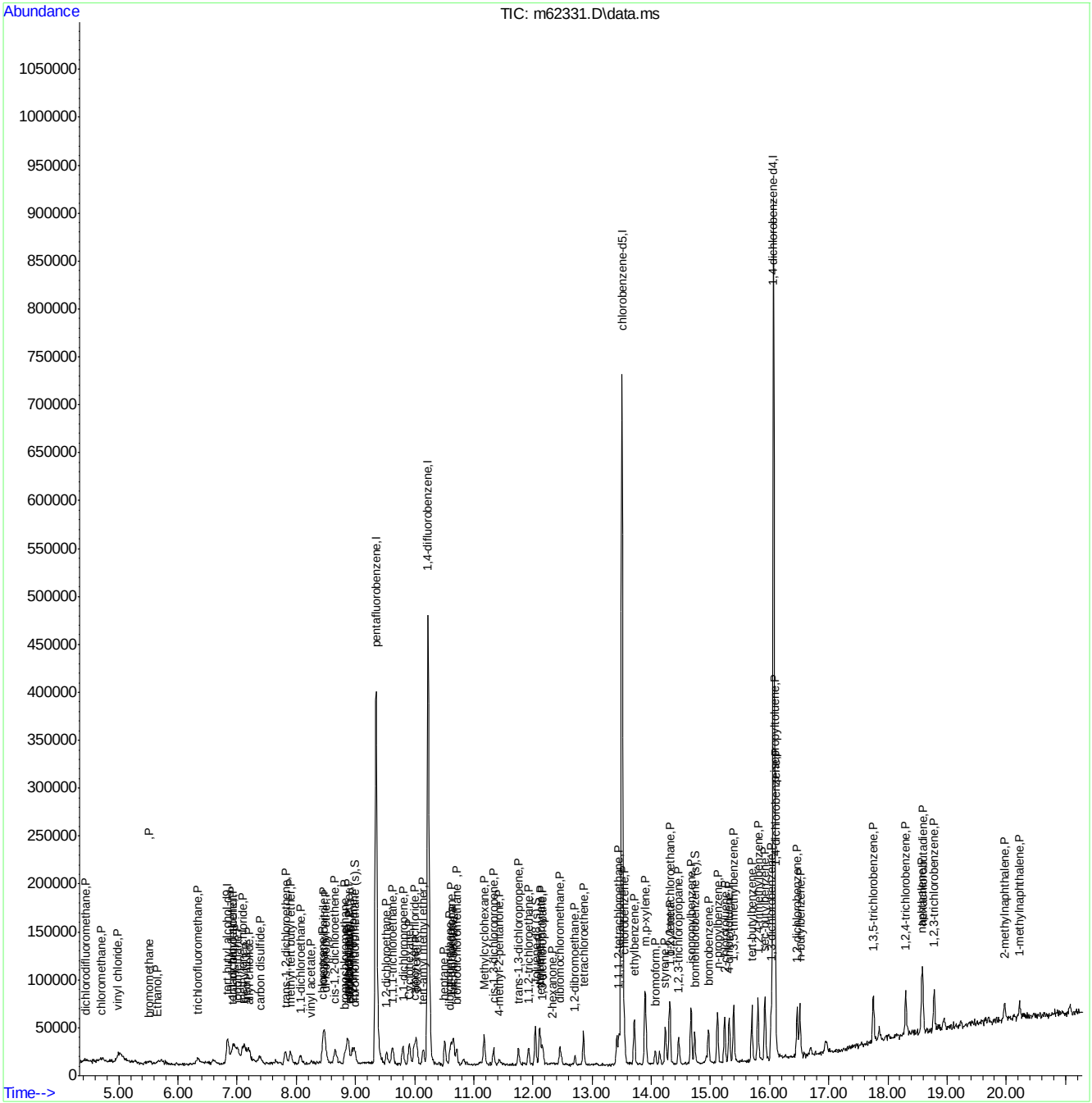
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	heptane	10.501	43	13978	2.97	ug/kg	88
50)	trichloroethene	10.656	95	9394	2.02	ug/kg	96
51)	1,2-dichloropropane	10.622	63	6596	2.40	ug/kg	90
52)	dibromomethane	10.588	93	5046	2.17	ug/kg	87
53)	bromodichloromethane	10.710	83	11794	2.43	ug/kg	93
54)	Methylcyclohexane	11.174	83	12814	3.06	ug/kg	86
58)	cis-1,3-dichloropropene	11.336	75	11031	2.35	ug/kg	88
60)	4-methyl-2-pentanone	11.430	43	6858	1.74	ug/kg#	48
61)	toluene	12.111	92	17356	2.46	ug/kg	80
62)	trans-1,3-dichloropropene	11.754	75	9717	2.17	ug/kg	97
63)	1,1,2-trichloroethane	11.929	83	5128	2.34	ug/kg	84
64)	ethyl methacrylate	12.131	69	6655	1.83	ug/kg	95
66)	tetrachloroethene	12.852	166	10263	2.14	ug/kg	90
67)	1,3-dichloropropane	12.158	76	10331	2.50	ug/kg	90
68)	dibromochloromethane	12.461	129	11088	2.24	ug/kg	99
69)	1,2-dibromoethane	12.704	107	7819	2.31	ug/kg	81
70)	2-hexanone	12.333	43	6677	2.37	ug/kg#	60
71)	chlorobenzene	13.539	112	26193	2.66	ug/kg	94
72)	1,1,1,2-tetrachloroethane	13.451	131	11691	2.59	ug/kg	91
73)	ethylbenzene	13.714	91	36522	2.74	ug/kg	98
74)	m,p-xylene	13.896	106	31222	5.25	ug/kg	92
75)	o-xylene	14.314	106	16229	2.66	ug/kg	90
76)	styrene	14.233	104	23954	2.44	ug/kg	88
77)	bromoform	14.064	173	8516	2.34	ug/kg	79
80)	isopropylbenzene	14.671	105	42071	2.61	ug/kg	98
82)	bromobenzene	14.967	156	12572	2.61	ug/kg	97
83)	1,1,2,2-tetrachloroethane	14.320	83	7860	2.05	ug/kg	73
84)	1,2,3-trichloropropane	14.462	75	8718	1.98	ug/kg	94
85)	n-propylbenzene	15.122	91	42530	2.58	ug/kg	100
86)	2-chlorotoluene	15.243	91	26770	2.52	ug/kg	96
87)	4-chlorotoluene	15.317	91	25432	2.34	ug/kg	79
88)	1,3,5-trimethylbenzene	15.391	105	34196	2.43	ug/kg	96
89)	tert-butylbenzene	15.701	91	20074	2.51	ug/kg	99
90)	1,2,4-trimethylbenzene	15.802	105	34736	2.49	ug/kg	98
91)	sec-butylbenzene	15.924	105	46866	2.56	ug/kg	100
92)	1,3-dichlorobenzene	16.031	146	24974	2.58	ug/kg	98
93)	p-isopropyltoluene	16.092	119	44154	2.59	ug/kg	94
94)	1,4-dichlorobenzene	16.099	146	27645	2.78	ug/kg	98
95)	1,2-dichlorobenzene	16.462	146	24624	2.42	ug/kg	99
96)	n-butylbenzene	16.516	91	33194	2.58	ug/kg	97
98)	1,3,5-trichlorobenzene	17.756	180	16915	2.55	ug/kg	99
99)	1,2,4-trichlorobenzene	18.295	180	17861	2.63	ug/kg	91
100)	hexachlorobutadiene	18.591	225	8385	2.55	ug/kg	96
101)	naphthalene	18.571	128	41973	2.05	ug/kg	100
102)	1,2,3-trichlorobenzene	18.780	180	15897	2.33	ug/kg	93
103)	2-methylnaphthalene	19.979	142	12132	1.06	ug/kg#	91
104)	1-methylnaphthalene	20.221	TIC	77485	2.29	ug/kg#	73

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62331.D
Acq On : 19 Dec 2013 5:56 pm
Operator : krystend
Sample : IC2178-2
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

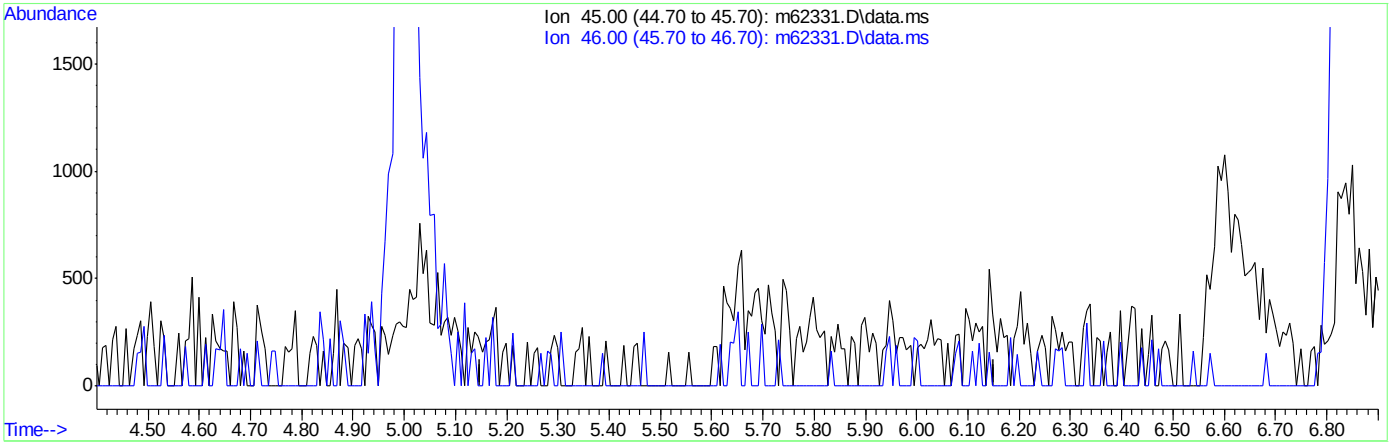
Quant Time: Dec 20 09:14:22 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:25:08 2013
Response via : Initial Calibration

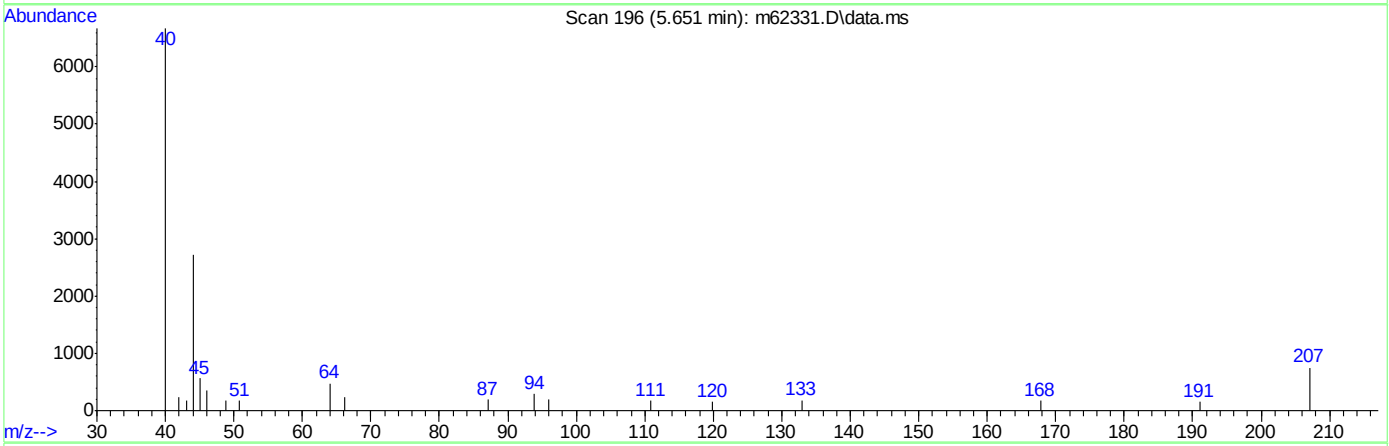


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62331.D
Acq On : 19 Dec 2013 5:56 pm
Operator : krystend
Sample : IC2178-2
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 20 08:25:22 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:25:08 2013
Response via : Initial Calibration





TIC: m62331.D\data.ms

(3) Ethanol (P)

5.651min (-5.651) 0.00ug/kg

response 0

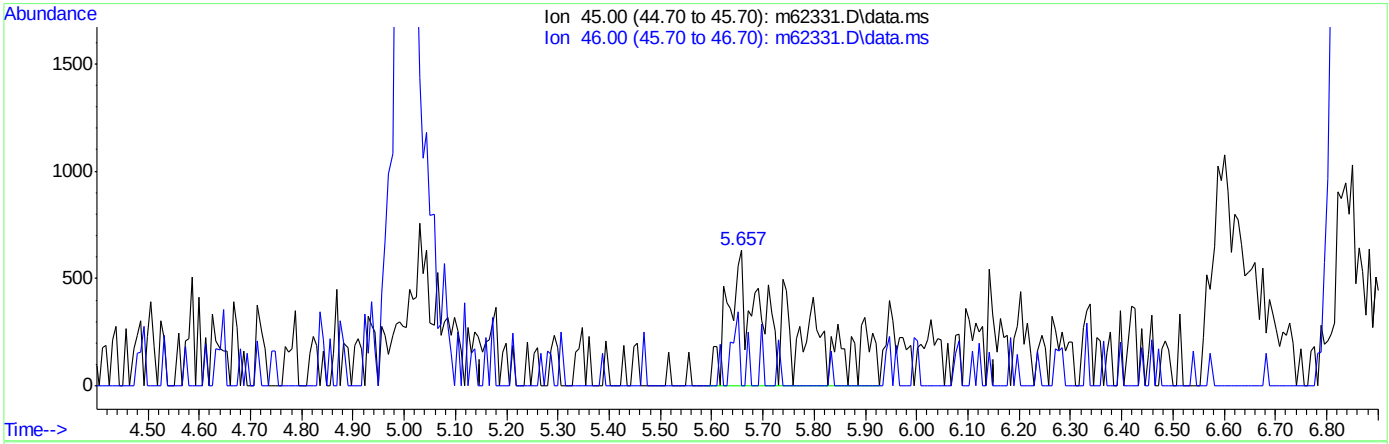
Ion	Exp%	Act%
45.00	100	0.00
46.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

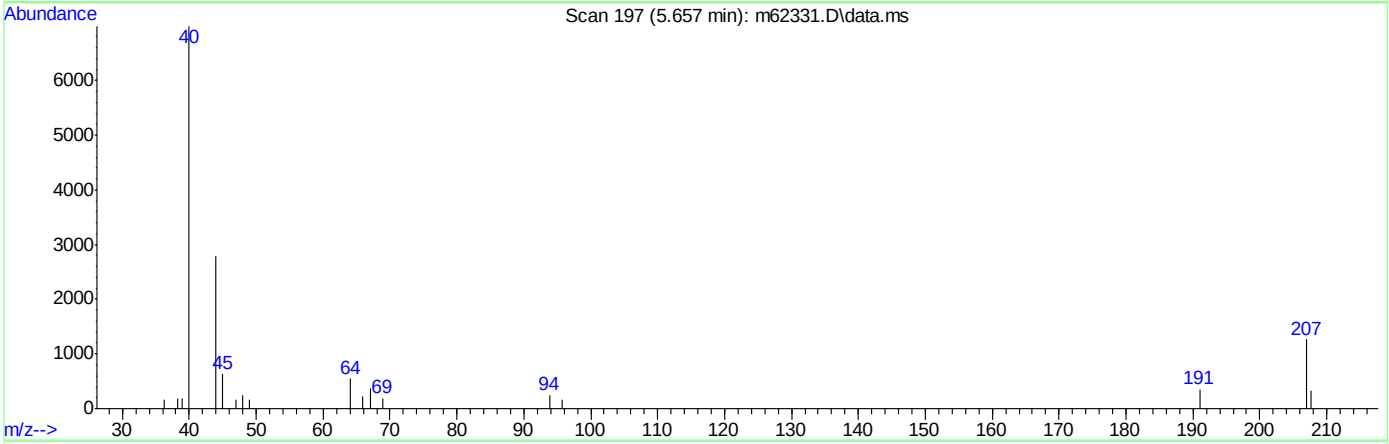
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62331.D
Acq On : 19 Dec 2013 5:56 pm
Operator : krystend
Sample : IC2178-2
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 20 08:25:22 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:25:08 2013
Response via : Initial Calibration





TIC: m62331.D\data.ms

(3) Ethanol (P)

5.657min (+0.007) 190.79ug/kg m

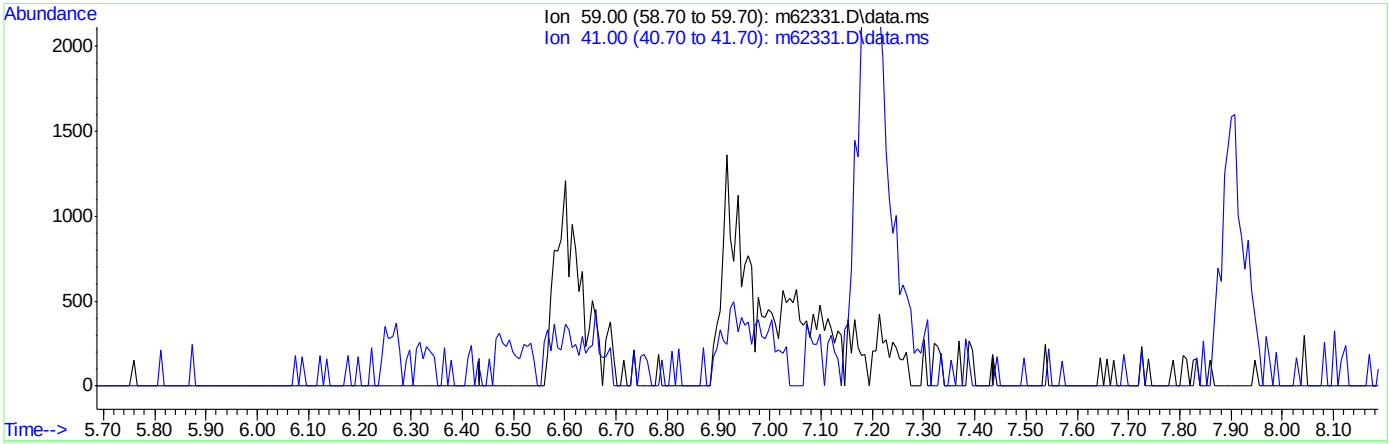
response 5112

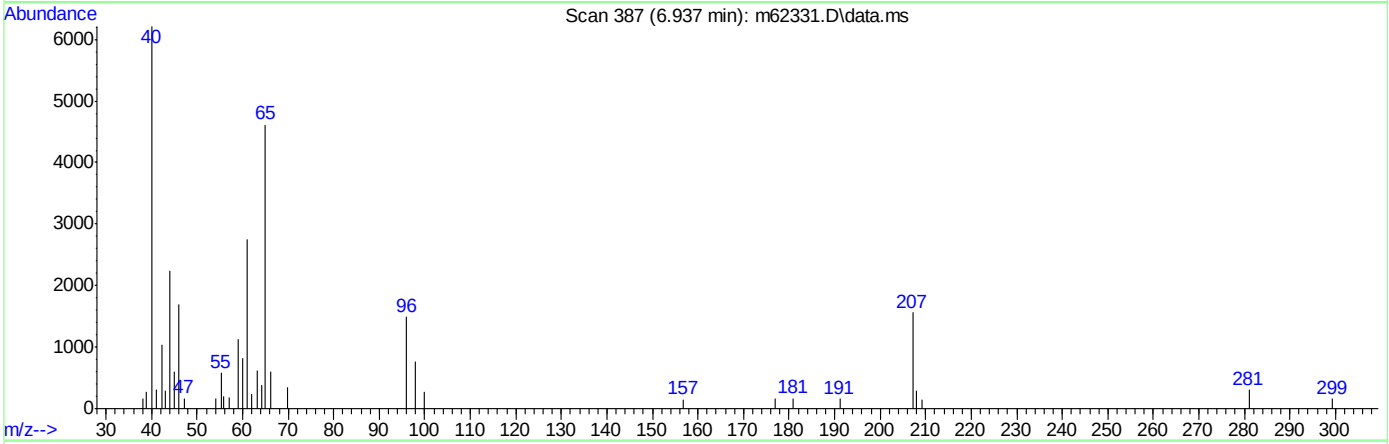
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62331.D
Acq On : 19 Dec 2013 5:56 pm
Operator : krystend
Sample : IC2178-2
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 20 08:25:22 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:25:08 2013
Response via : Initial Calibration





TIC: m62331.D\data.ms

(2) tertiary butyl alcohol (P)

6.937min (-6.937) 0.00ug/kg

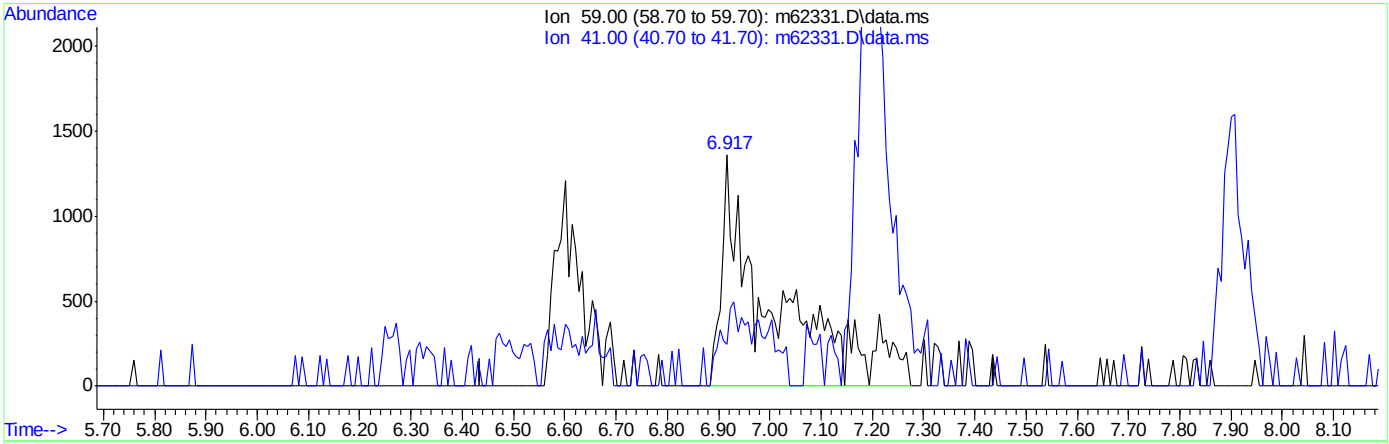
response 0

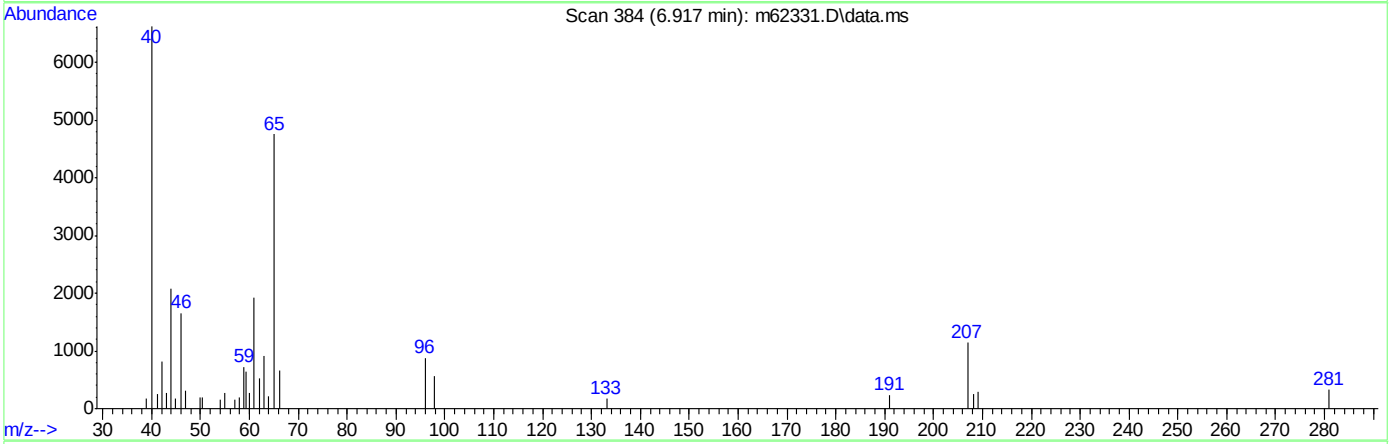
Ion	Exp%	Act%
59.00	100	0.00
41.00	39.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62331.D
Acq On : 19 Dec 2013 5:56 pm
Operator : krystend
Sample : IC2178-2
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 20 08:25:22 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:25:08 2013
Response via : Initial Calibration





TIC: m62331.D\data.ms

(2) tertiary butyl alcohol (P)

6.917min (-0.020) 21.07ug/kg m

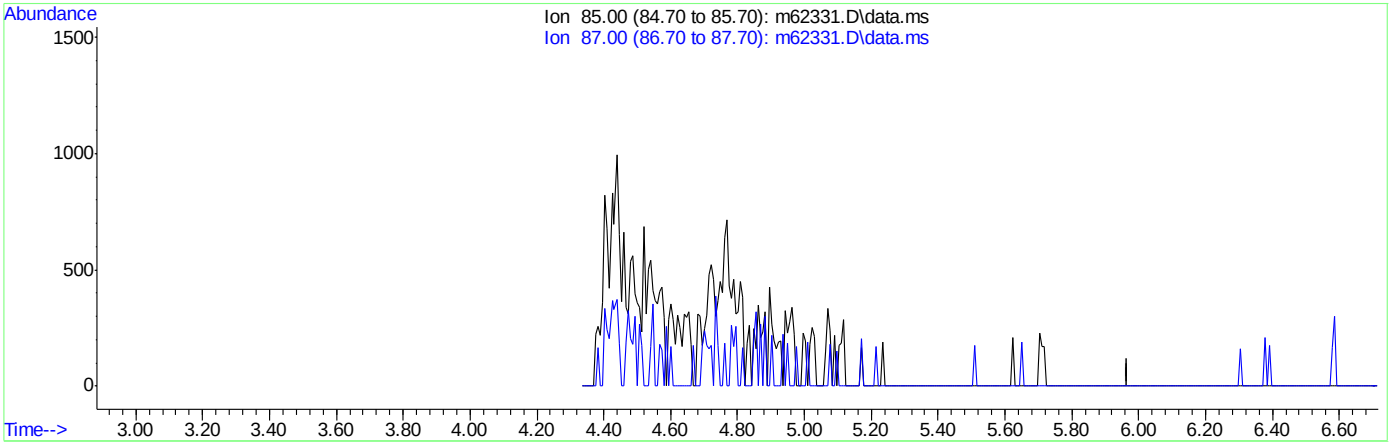
response 9360

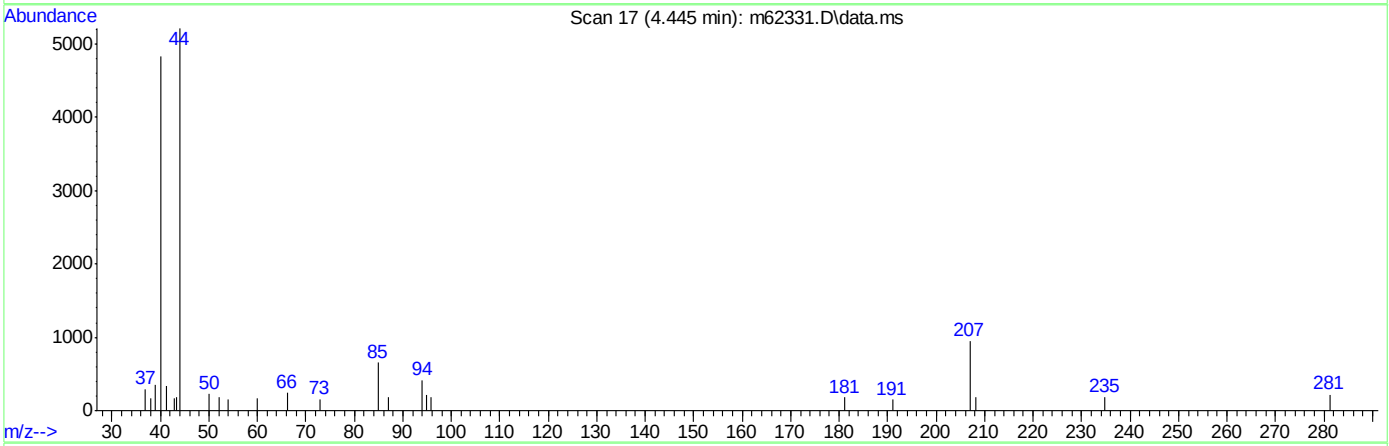
Ion	Exp%	Act%
59.00	100	100
41.00	39.10	34.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62331.D
Acq On : 19 Dec 2013 5:56 pm
Operator : krystend
Sample : IC2178-2
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 20 08:25:22 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:25:08 2013
Response via : Initial Calibration





TIC: m62331.D\data.ms

(5) dichlorodifluoromethane (P)

4.445min (-4.445) 0.00ug/kg

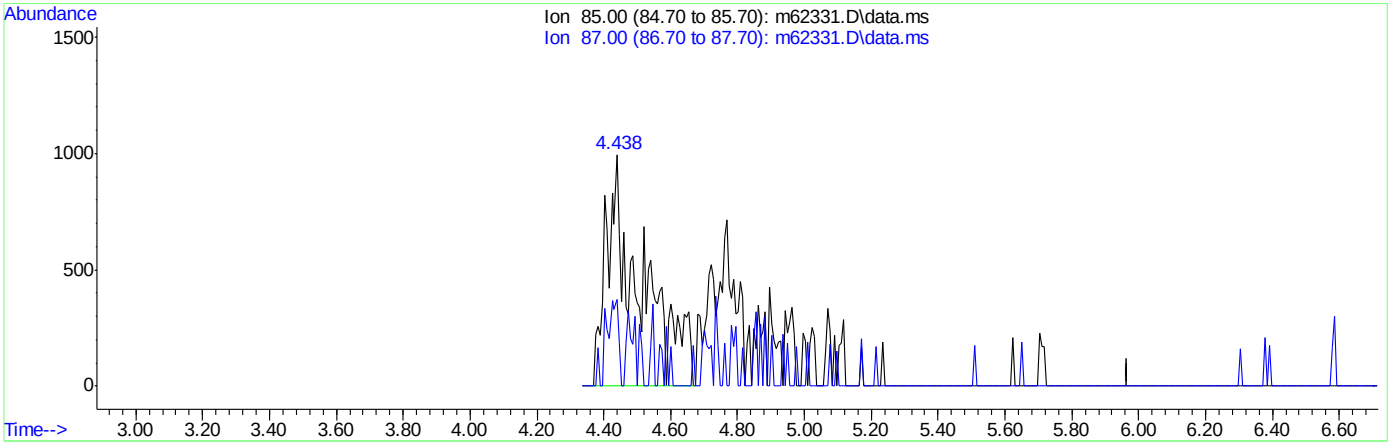
response 0

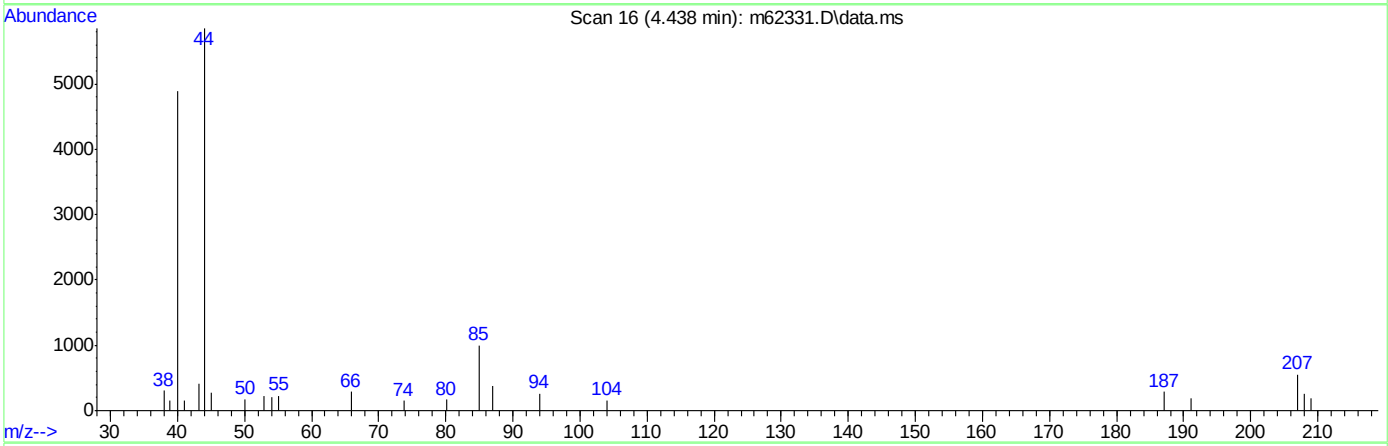
Ion	Exp%	Act%
85.00	100	0.00
87.00	31.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62331.D
Acq On : 19 Dec 2013 5:56 pm
Operator : krystend
Sample : IC2178-2
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 20 08:25:22 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:25:08 2013
Response via : Initial Calibration





TIC: m62331.D\data.ms

(5) dichlorodifluoromethane (P)

4.438min (-0.007) 2.23ug/kg m

response 7064

Ion	Exp%	Act%
85.00	100	100
87.00	31.20	37.25
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC27146

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/20/13 10:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62332.D
Acq On : 19 Dec 2013 6:25 pm
Operator : krystend
Sample : IC2178-5
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 09:58:21 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:31:26 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	105814	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	344510	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.224	114	504935	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	213013	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	289448	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	23511	5.16	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.32%#			
59) toluene-d8 (s)	12.043	98	70636	5.29	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.58%#			
81) bromofluorobenzene (s)	14.731	95	27713	5.00	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.00%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.950	59	18018	44.58	ug/kg	90
3) Ethanol	5.671	45	9503m	461.34	ug/kg	
5) dichlorodifluoromethane	4.458	85	16650	5.37	ug/kg	92
6) chloromethane	4.694	50	23941	4.96	ug/kg	91
7) vinyl chloride	4.977	62	13776	3.78	ug/kg	78
8) bromomethane ...	5.489	96	18674	5.58	ug/kg	85
9) chloroethane	5.657	64	9727	5.09	ug/kg	90
10) ethyl ether	6.587	59	12626	5.29	ug/kg	95
11) acetonitrile	6.593	41	3285	4.02	ug/kg#	19
12) trichlorofluoromethane	6.337	101	39615	5.17	ug/kg	96
13) freon-113	7.139	101	15948m	5.12	ug/kg	
14) acrolein	6.385	56	6244	16.68	ug/kg	92
15) 1,1-dichloroethene	6.957	96	17245m	4.93	ug/kg	
17) Methyl Acetate	7.213	43	11775	3.73	ug/kg	95
18) methylene chloride	7.105	84	17022	5.23	ug/kg	94
19) methyl tert butyl ether	7.894	73	38744	5.08	ug/kg	87
20) acrylonitrile	7.112	53	5263	4.30	ug/kg#	46
21) allyl chloride	7.193	41	30769	5.26	ug/kg	97
22) trans-1,2-dichloroethene	7.813	96	18659	5.14	ug/kg	95
23) iodomethane	7.004	142	39235	5.18	ug/kg	98
24) carbon disulfide	7.388	76	45587	5.32	ug/kg	96
25) propionitrile	8.210	54	1917m	4.41	ug/kg	
26) vinyl acetate	8.217	43	30951	4.91	ug/kg	97
27) chloroprene	8.446	53	32783	5.34	ug/kg	93
28) di-isopropyl ether	8.486	45	61208	5.04	ug/kg	98
29) methacrylonitrile	8.641	41	10766	3.10	ug/kg	94
30) 2-butanone	8.601	72	1467m	3.98	ug/kg	
31) 1,1-dichloroethane	8.075	63	32952	5.40	ug/kg	96
32) tert-butyl ethyl ether	8.877	59	43325	5.09	ug/kg	99
33) isobutyl alcohol	8.884	43	9438m	17.80	ug/kg	
34) 2,2-dichloropropane	8.951	77	26001	5.43	ug/kg	99
35) cis-1,2-dichloroethene	8.661	96	20742m	5.16	ug/kg	
36) ethyl acetate	8.884	43	14488	5.23	ug/kg	93
37) bromochloromethane	8.830	128	13880	5.44	ug/kg#	77

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62332.D
Acq On : 19 Dec 2013 6:25 pm
Operator : krystend
Sample : IC2178-5
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 09:58:21 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:31:26 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) chloroform	8.857	83	36374	5.23	ug/kg	97
40) Tetrahydrofuran	9.207	42	5913	4.83	ug/kg	47
41) 1,1,1-trichloroethane	9.632	97	37325	5.43	ug/kg	97
43) Cyclohexane	9.914	56	32200	5.56	ug/kg	99
44) carbon tetrachloride	9.995	117	41346	5.42	ug/kg	99
45) 1,1-dichloropropene	9.800	75	23138	5.24	ug/kg	94
46) benzene	10.029	78	64654	5.03	ug/kg	96
47) 1,2-dichloroethane	9.524	62	33225	5.46	ug/kg	96
48) tert-amyl methyl ether	10.150	73	33398	5.21	ug/kg	98
49) heptane	10.507	43	32557	5.37	ug/kg	99
50) trichloroethene	10.655	95	22506	4.98	ug/kg	86
51) 1,2-dichloropropane	10.622	63	17158	5.40	ug/kg	93
52) dibromomethane	10.595	93	12530	5.10	ug/kg	91
53) bromodichloromethane	10.716	83	28141	5.08	ug/kg	96
54) Methylcyclohexane	11.181	83	28301	5.17	ug/kg	94
55) 2-chloroethyl vinyl ether	11.087	63	5202	5.34	ug/kg	88
56) methyl methacrylate	10.817	69	7390	4.30	ug/kg	92
57) 1,4-dioxane	10.824	88	876m	26.63	ug/kg	
58) cis-1,3-dichloropropene	11.329	75	25995	5.05	ug/kg	100
60) 4-methyl-2-pentanone	11.430	43	18511	5.06	ug/kg	99
61) toluene	12.111	92	42835	5.26	ug/kg	93
62) trans-1,3-dichloropropene	11.753	75	23840	5.04	ug/kg	98
63) 1,1,2-trichloroethane	11.929	83	12811	5.36	ug/kg	94
64) ethyl methacrylate	12.137	69	16587	4.84	ug/kg	92
66) tetrachloroethene	12.852	166	27690	5.46	ug/kg	90
67) 1,3-dichloropropane	12.164	76	23640	5.02	ug/kg	92
68) dibromochloromethane	12.461	129	28827	5.21	ug/kg	97
69) 1,2-dibromoethane	12.710	107	18762	5.09	ug/kg	96
70) 2-hexanone	12.292	43	13265	4.50	ug/kg	92
71) chlorobenzene	13.539	112	65200	5.35	ug/kg	95
72) 1,1,1,2-tetrachloroethane	13.458	131	27845	5.19	ug/kg	87
73) ethylbenzene	13.714	91	88910	5.29	ug/kg	97
74) m,p-xylene	13.889	106	76639	10.52	ug/kg	88
75) o-xylene	14.307	106	38704	5.20	ug/kg	97
76) styrene	14.239	104	57167	5.04	ug/kg	98
77) bromoform	14.064	173	19866	5.06	ug/kg	88
78) trans-1,4-dichloro-2-b...	14.468	53	7836	4.93	ug/kg	91
80) isopropylbenzene	14.670	105	107860	5.34	ug/kg	98
82) bromobenzene	14.967	156	29834	5.18	ug/kg	94
83) 1,1,2,2-tetrachloroethane	14.313	83	21291	5.33	ug/kg	95
84) 1,2,3-trichloropropane	14.461	75	22261	5.03	ug/kg	93
85) n-propylbenzene	15.122	91	110819	5.41	ug/kg	100
86) 2-chlorotoluene	15.236	91	71810	5.42	ug/kg	98
87) 4-chlorotoluene	15.317	91	71010	5.44	ug/kg	97
88) 1,3,5-trimethylbenzene	15.391	105	89617	5.29	ug/kg	91
89) tert-butylbenzene	15.701	91	50919	5.26	ug/kg	98
90) 1,2,4-trimethylbenzene	15.802	105	88309	5.27	ug/kg	90
91) sec-butylbenzene	15.923	105	120477	5.30	ug/kg	95
92) 1,3-dichlorobenzene	16.031	146	63605	5.33	ug/kg	96
93) p-isopropyltoluene	16.092	119	110266	5.24	ug/kg	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62332.D
Acq On : 19 Dec 2013 6:25 pm
Operator : krystend
Sample : IC2178-5
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 09:58:21 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:31:26 2013
Response via : Initial Calibration

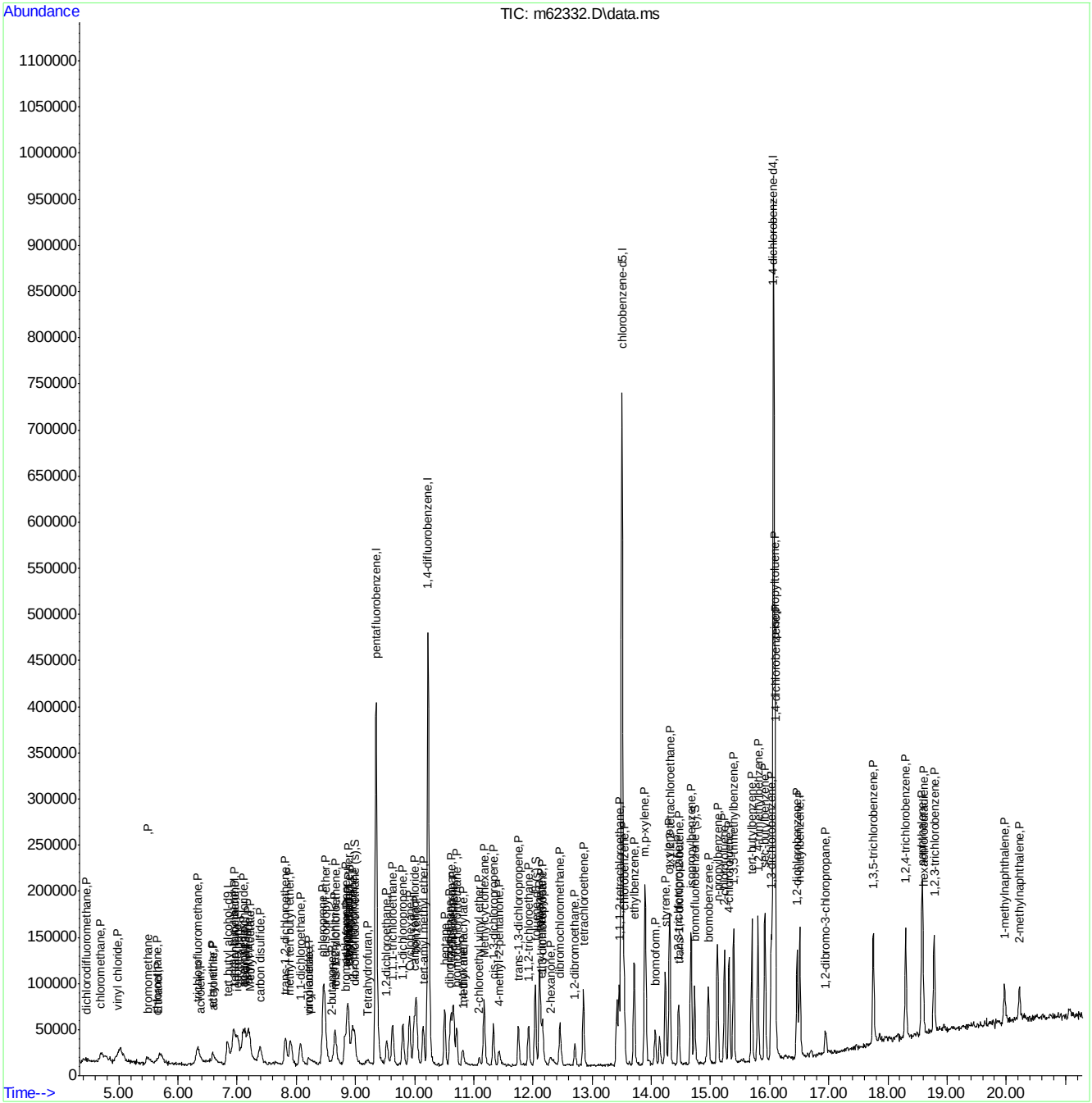
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	1,4-dichlorobenzene	16.098	146	62962	5.08	ug/kg	98
95)	1,2-dichlorobenzene	16.462	146	61961	5.15	ug/kg	96
96)	n-butylbenzene	16.509	91	84970	5.36	ug/kg	90
97)	1,2-dibromo-3-chloropr...	16.947	75	5924	4.96	ug/kg	86
98)	1,3,5-trichlorobenzene	17.756	180	43670	5.35	ug/kg	99
99)	1,2,4-trichlorobenzene	18.301	180	41586	5.13	ug/kg	100
100)	hexachlorobutadiene	18.598	225	23660	5.61	ug/kg	94
101)	naphthalene	18.571	128	106783	4.98	ug/kg	100
102)	1,2,3-trichlorobenzene	18.786	180	40716	5.19	ug/kg	99
103)	2-methylnaphthalene	20.221	142	25200	2.17	ug/kg	93
104)	1-methylnaphthalene	19.972	TIC	107751	2.13	ug/kg	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62332.D
Acq On : 19 Dec 2013 6:25 pm
Operator : krystend
Sample : IC2178-5
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

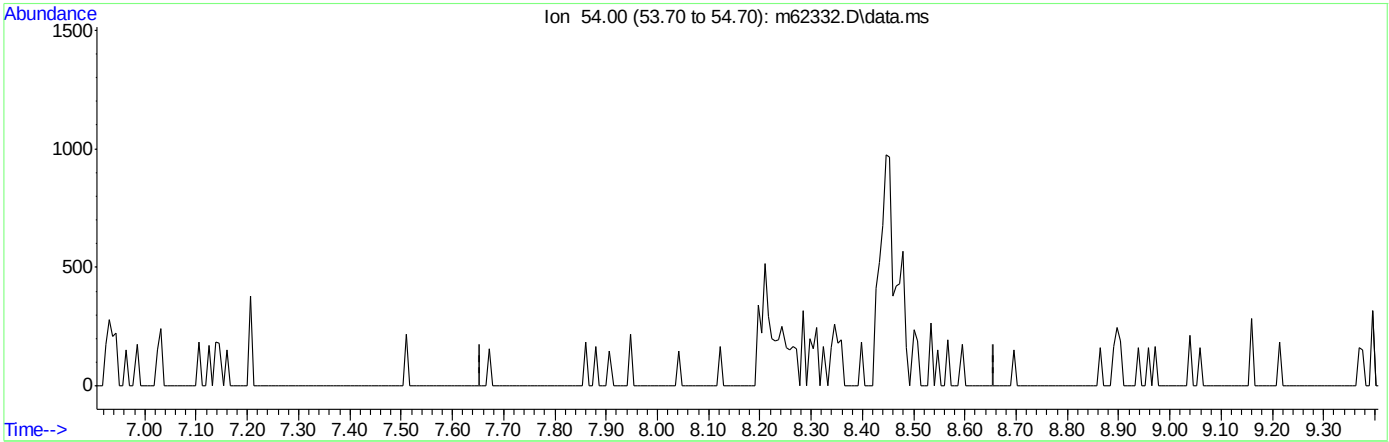
Quant Time: Dec 20 09:58:21 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:31:26 2013
Response via : Initial Calibration

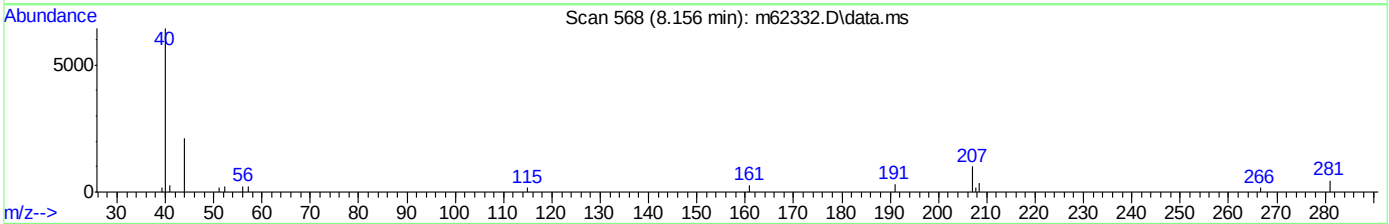


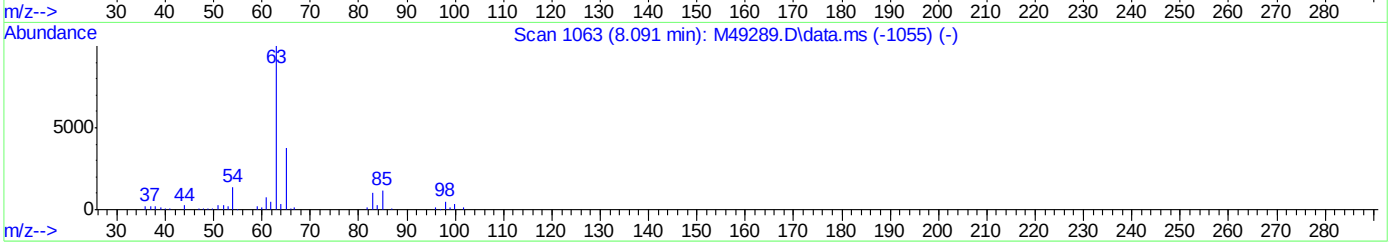
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62332.D
Acq On : 19 Dec 2013 6:25 pm
Operator : krystend
Sample : IC2178-5
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 08:28:10 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:27:57 2013
Response via : Initial Calibration







TIC: m62332.D\data.ms

(25) propionitrile (P)

8.156min (-8.156) 0.00ug/kg

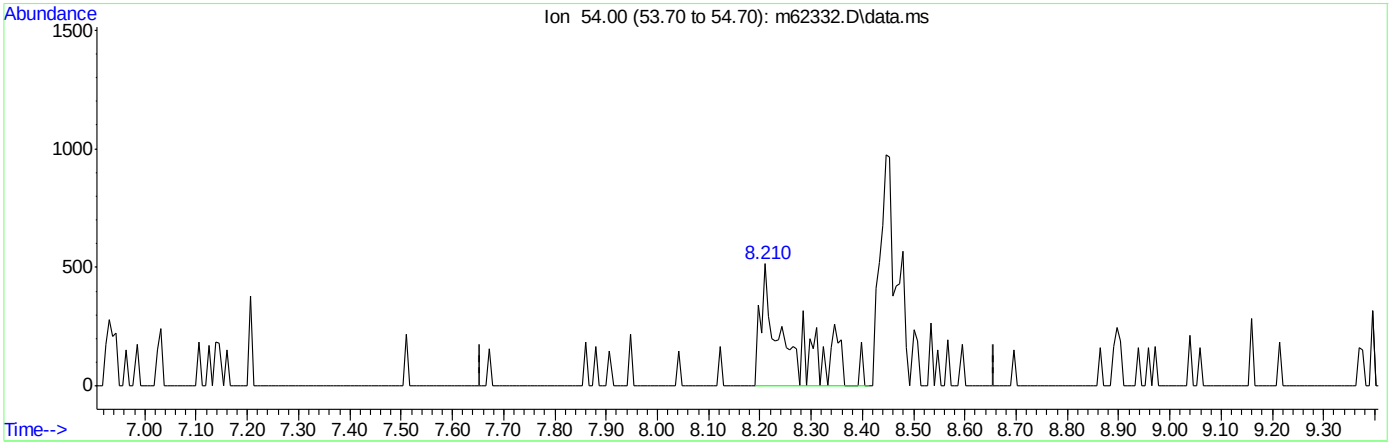
response 0

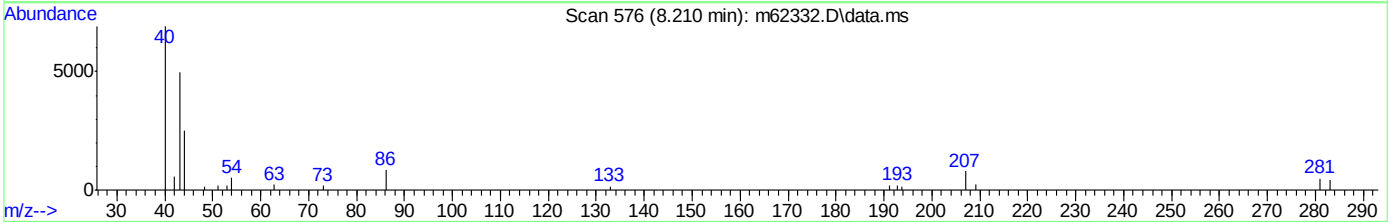
Ion	Exp%	Act%
54.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

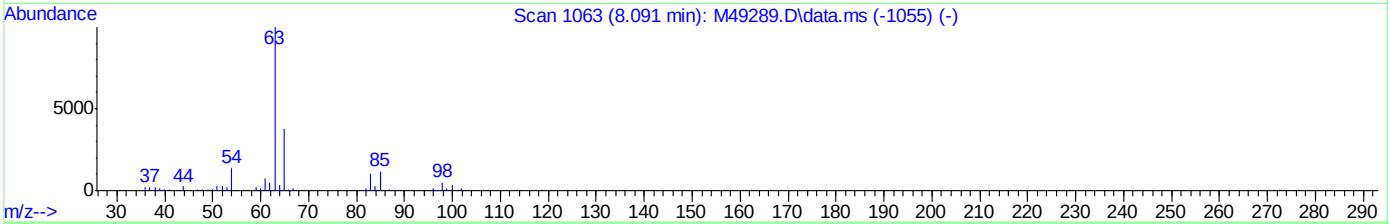
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62332.D
Acq On : 19 Dec 2013 6:25 pm
Operator : krystend
Sample : IC2178-5
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 08:28:10 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:27:57 2013
Response via : Initial Calibration







TIC: m62332.D\data.ms

(25) propionitrile (P)

8.210min (+0.054) 4.09ug/kg m

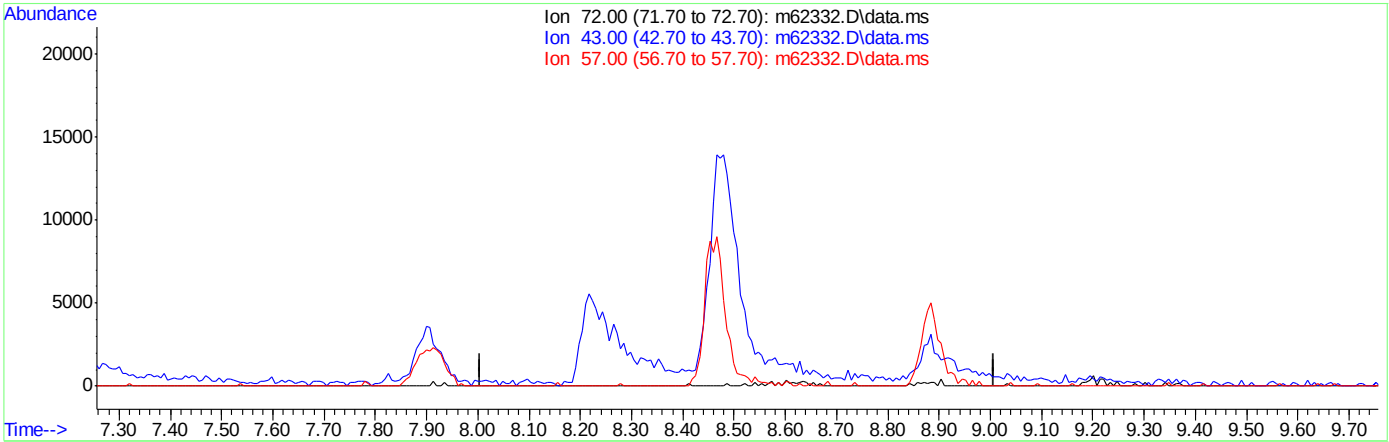
response 1992

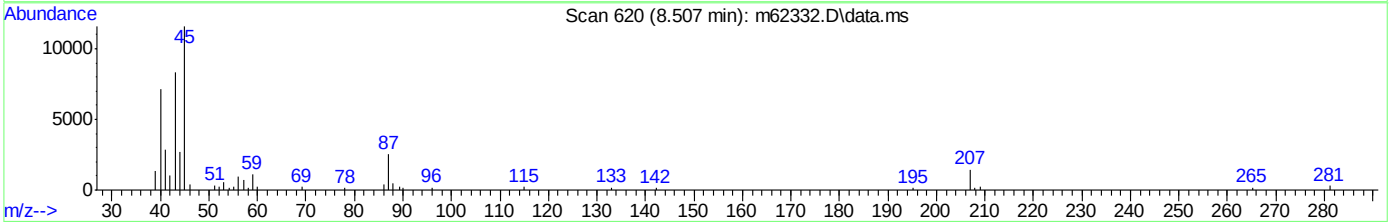
Ion	Exp%	Act%
54.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

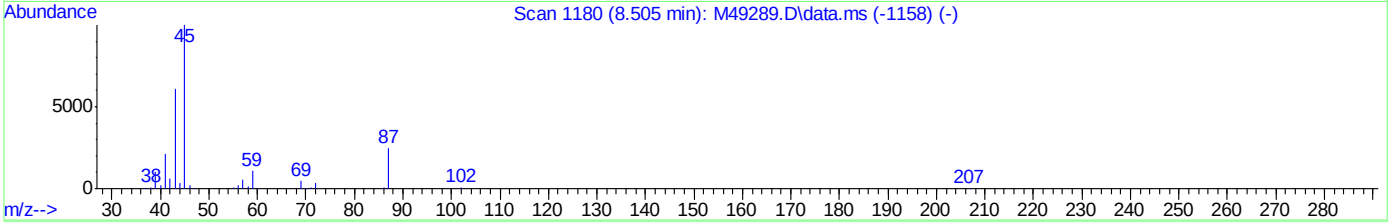
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62332.D
Acq On : 19 Dec 2013 6:25 pm
Operator : krystend
Sample : IC2178-5
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 08:28:10 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:27:57 2013
Response via : Initial Calibration







TIC: m62332.D\data.ms

(30) 2-butanone (P)

8.507min (-8.507) 0.00ug/kg

response 0

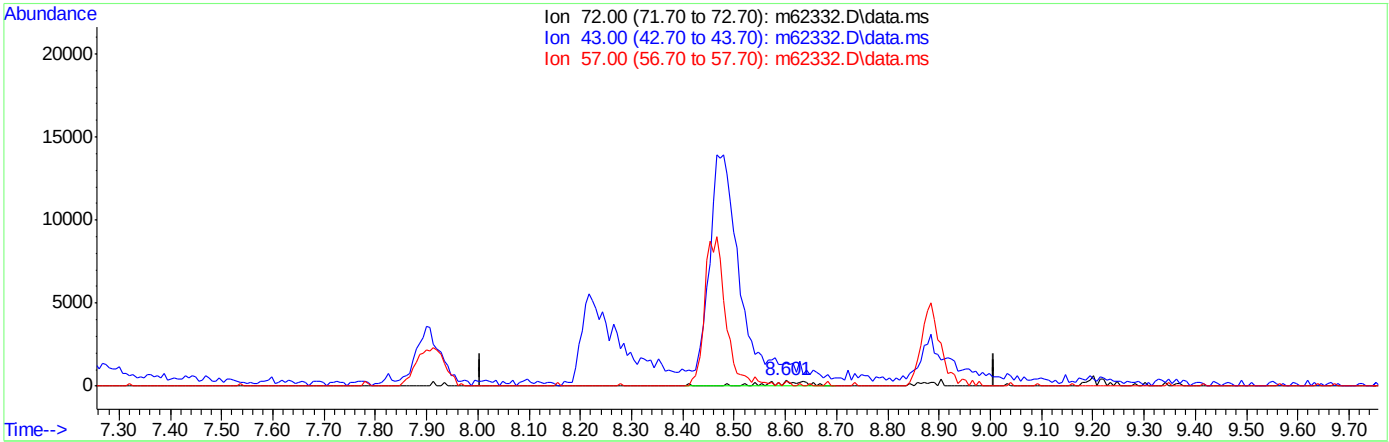
Ion	Exp%	Act%
72.00	100	0.00
43.00	1803.40	0.00#
57.00	205.30	0.00#
0.00	0.00	0.00

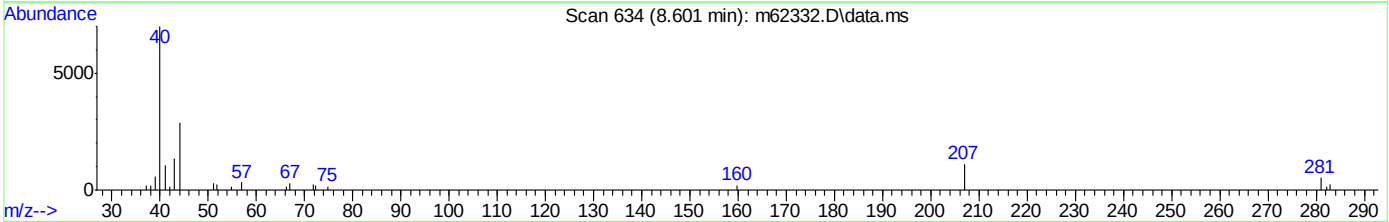
ACCUTEST LABORATORIES MC27146

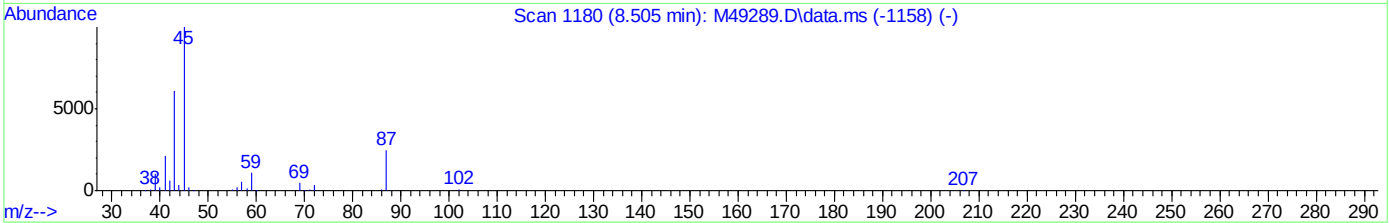
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62332.D
Acq On : 19 Dec 2013 6:25 pm
Operator : krystend
Sample : IC2178-5
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 08:28:10 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:27:57 2013
Response via : Initial Calibration







TIC: m62332.D\data.ms

(30) 2-butanone (P)

8.601min (+0.094) 3.37ug/kg m

response 1467

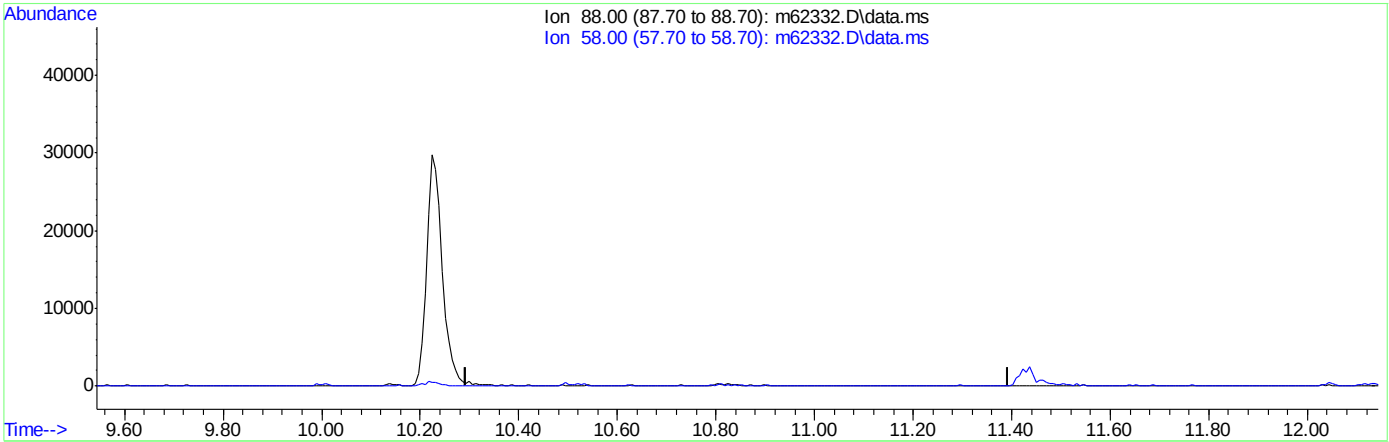
Ion	Exp%	Act%
72.00	100	100
43.00	1803.40	604.95#
57.00	205.30	147.30#
0.00	0.00	0.00

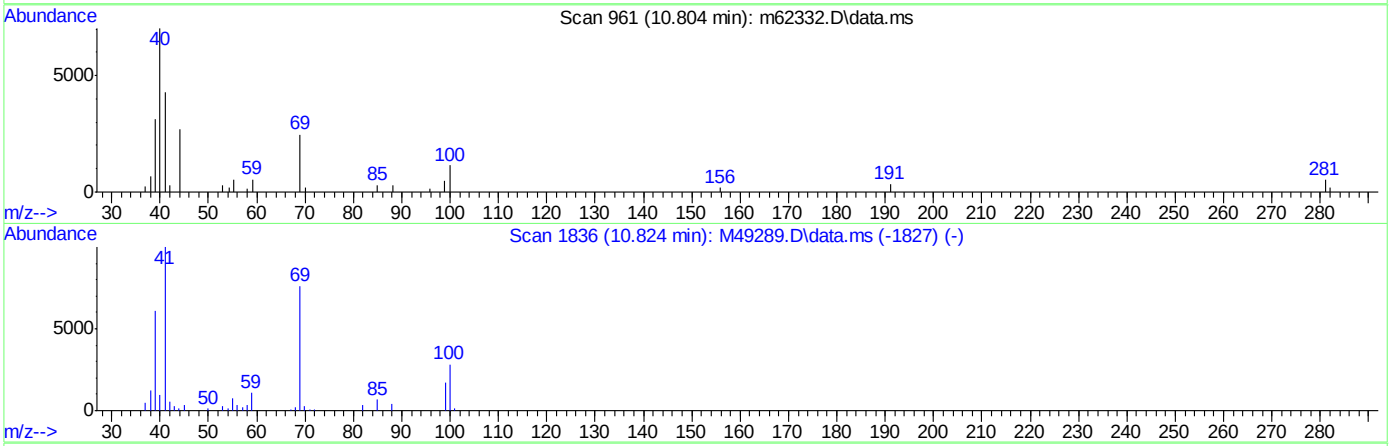
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62332.D
Acq On : 19 Dec 2013 6:25 pm
Operator : krystend
Sample : IC2178-5
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 08:28:10 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:27:57 2013
Response via : Initial Calibration





TIC: m62332.D\data.ms

(57) 1,4-dioxane (P)

10.804min (-10.804) 0.00ug/kg

response 0

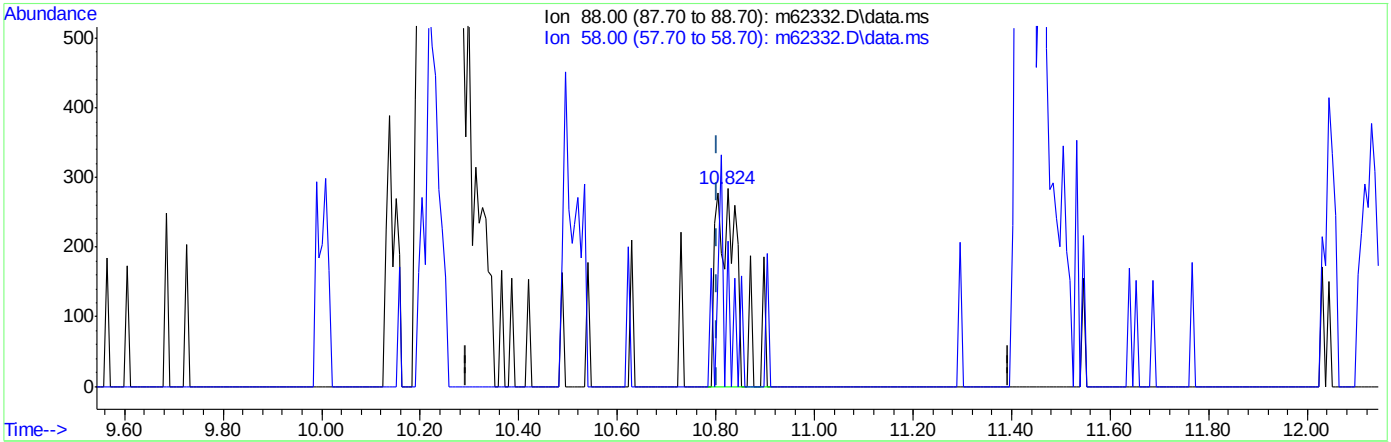
Ion	Exp%	Act%
88.00	100	0.00
58.00	68.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

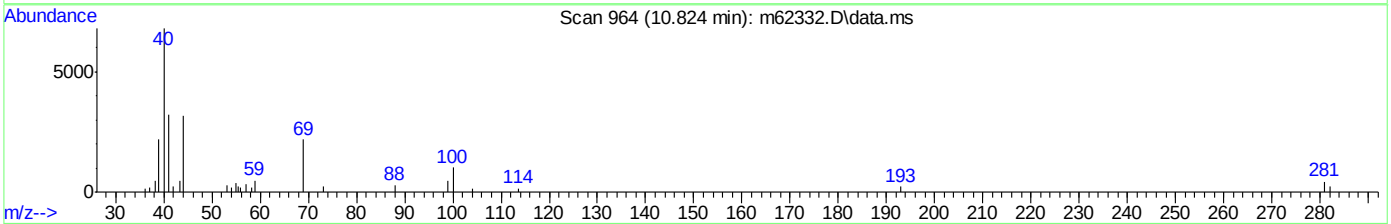
ACCUTEST LABORATORIES MC27146

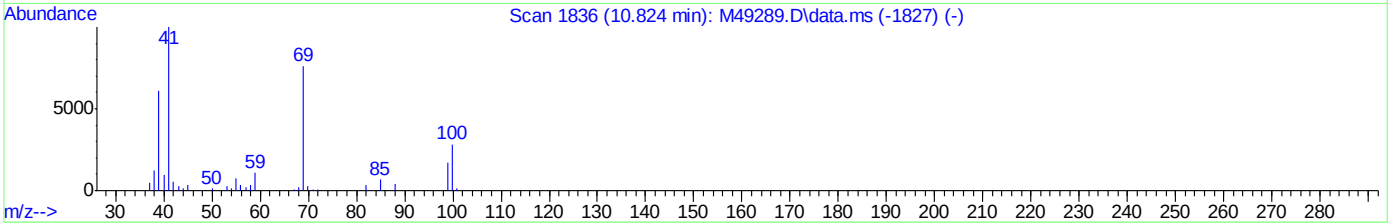
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62332.D
Acq On : 19 Dec 2013 6:25 pm
Operator : krystend
Sample : IC2178-5
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 08:28:10 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:27:57 2013
Response via : Initial Calibration







TIC: m62332.D\data.ms

(57) 1,4-dioxane (P)

10.824min (+0.020) 24.17ug/kg m

response 876

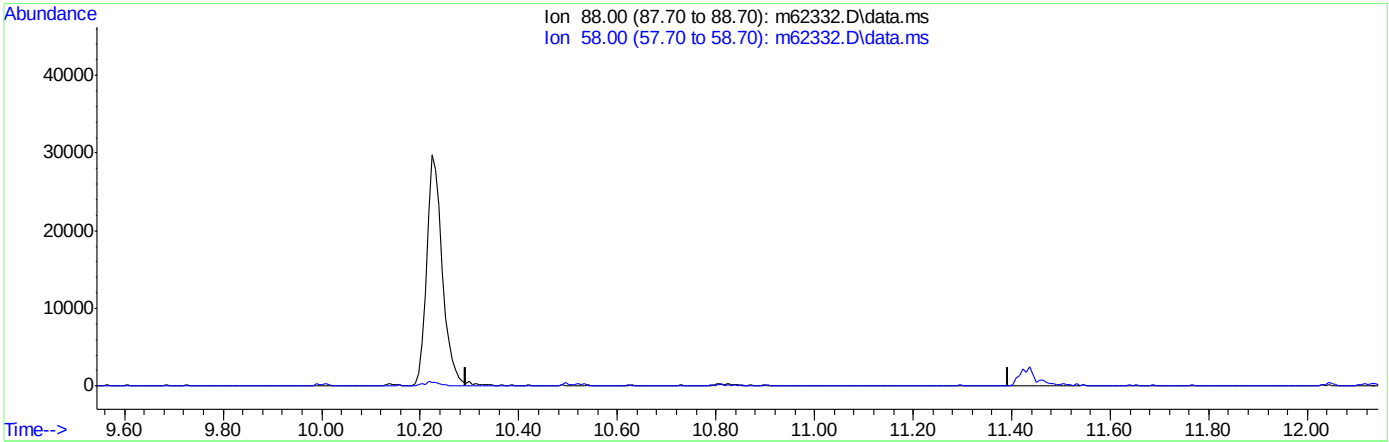
Ion	Exp%	Act%
88.00	100	100
58.00	68.90	73.59
0.00	0.00	0.00
0.00	0.00	0.00

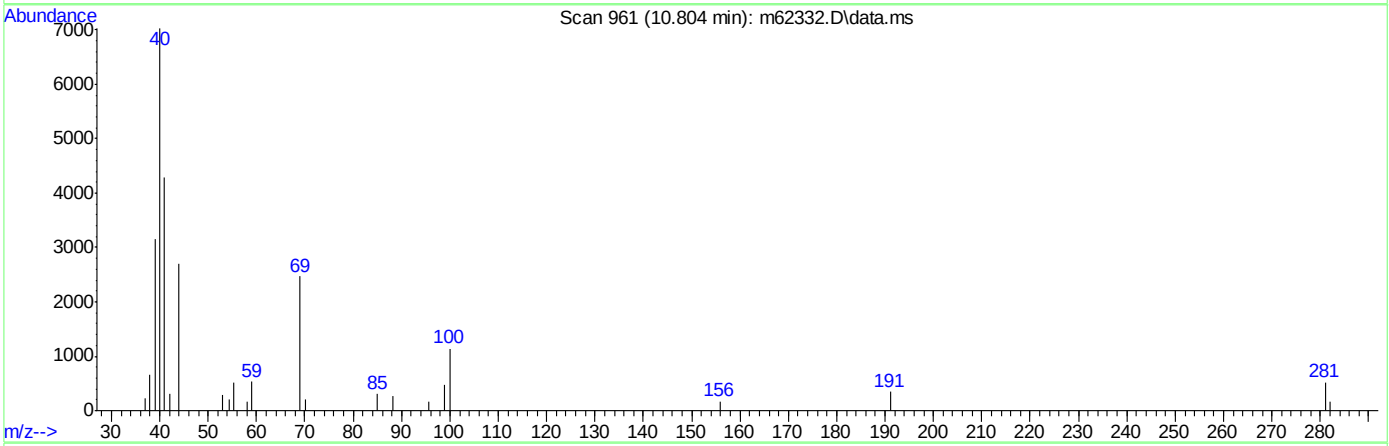
M62332.D edits: 1,4-dioxane

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62332.D
Acq On : 19 Dec 2013 6:25 pm
Operator : krystend
Sample : IC2178-5
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 08:31:56 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:31:26 2013
Response via : Initial Calibration





TIC: m62332.D\data.ms

(57) 1,4-dioxane (P)

10.804min (-10.804) 0.00ug/kg

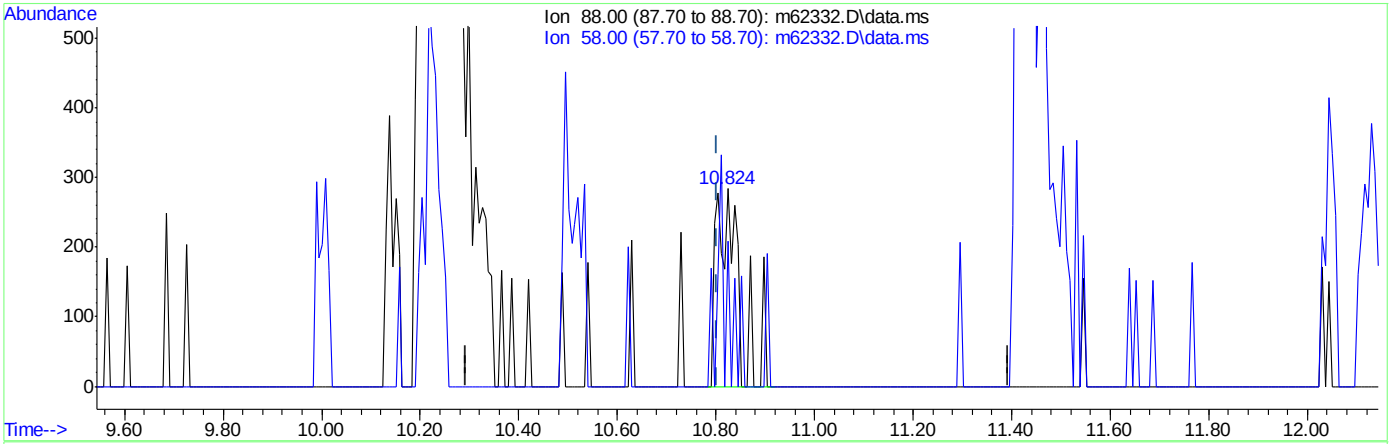
response 0

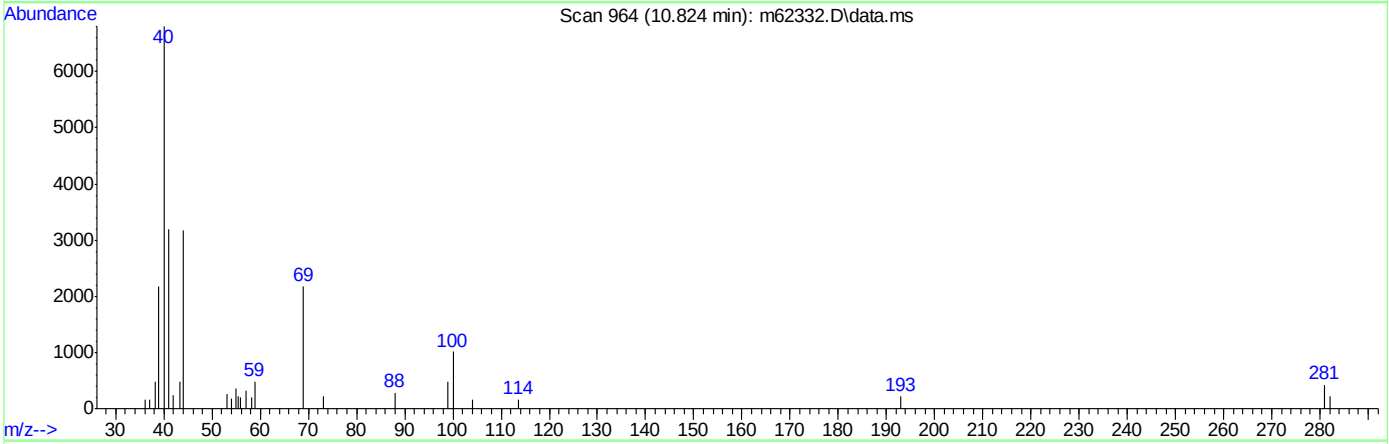
Ion	Exp%	Act%
88.00	100	0.00
58.00	68.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62332.D
Acq On : 19 Dec 2013 6:25 pm
Operator : krystend
Sample : IC2178-5
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 08:31:56 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:31:26 2013
Response via : Initial Calibration





TIC: m62332.D\data.ms

(57) 1,4-dioxane (P)

10.824min (+0.020) 26.63ug/kg m

response 876

Ion	Exp%	Act%
88.00	100	100
58.00	68.90	73.59
0.00	0.00	0.00
0.00	0.00	0.00

M62332.D edits: 1,4-dioxane

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/20/13 10:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62333.D
Acq On : 19 Dec 2013 6:54 pm
Operator : krystend
Sample : IC2178-10
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 09:46:39 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:32:38 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.829	65	108029	500.00	ug/kg	-0.02
4) pentafluorobenzene		9.349	168	337926	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.231	114	510879	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	216197	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.065	152	294792	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	46757	10.46	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	20.92%#		
59) toluene-d8 (s)		12.037	98	136733	10.12	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	20.24%#		
81) bromofluorobenzene (s)		14.731	95	57898	10.26	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	20.52%#		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	32622	79.06	ug/kg	69
3) Ethanol		5.630	45	19257m	915.70	ug/kg	
5) dichlorodifluoromethane		4.424	85	22922	7.53	ug/kg	90
6) chloromethane		4.687	50	45657	9.64	ug/kg	96
7) vinyl chloride		4.977	62	35830	10.01	ug/kg	77
8) bromomethane	...	5.482	96	31782	9.67	ug/kg	85
9) chloroethane		5.650	64	17390	9.28	ug/kg	99
10) ethyl ether		6.587	59	24377	10.42	ug/kg	88
11) acetonitrile		6.593	41	7952m	11.00	ug/kg	
12) trichlorofluoromethane		6.338	101	76765	10.21	ug/kg	94
13) freon-113		7.146	101	28140m	9.21	ug/kg	
14) acrolein		6.364	56	20412	55.60	ug/kg	92
15) 1,1-dichloroethene		6.944	96	30694m	8.94	ug/kg	
16) acetone		6.560	58	3710	8.28	ug/kg#	85
17) Methyl Acetate		7.159	43	31654	10.06	ug/kg	83
18) methylene chloride		7.092	84	32047	10.05	ug/kg	85
19) methyl tert butyl ether		7.900	73	76188	10.18	ug/kg	93
20) acrylonitrile		7.099	53	12786	10.64	ug/kg	96
21) allyl chloride		7.193	41	60106	10.47	ug/kg	98
22) trans-1,2-dichloroethene		7.813	96	36867m	10.35	ug/kg	
23) iodomethane		6.998	142	79622	10.71	ug/kg	100
24) carbon disulfide		7.388	76	95566	11.38	ug/kg	96
25) propionitrile		8.190	54	4050m	10.65	ug/kg	
26) vinyl acetate		8.197	43	59655	9.65	ug/kg	86
27) chloroprene		8.446	53	62481	10.37	ug/kg	98
28) di-isopropyl ether		8.480	45	123518	10.37	ug/kg	99
29) methacrylonitrile		8.614	41	19635	5.76	ug/kg	93
30) 2-butanone		8.534	72	3704m	10.95	ug/kg	
31) 1,1-dichloroethane		8.075	63	64251	10.73	ug/kg	96
32) tert-butyl ethyl ether		8.877	59	87635	10.49	ug/kg	100
33) isobutyl alcohol		8.877	43	17958m	34.12	ug/kg	
34) 2,2-dichloropropane		8.944	77	48596	10.35	ug/kg	95
35) cis-1,2-dichloroethene		8.655	96	39519	10.02	ug/kg	97
36) ethyl acetate		8.877	43	24954	9.07	ug/kg	86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62333.D
Acq On : 19 Dec 2013 6:54 pm
Operator : krystend
Sample : IC2178-10
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 09:46:39 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:32:38 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.830	128	25602	10.22	ug/kg	93
38) chloroform	8.857	83	71625	10.50	ug/kg	94
40) Tetrahydrofuran	9.200	42	12667	10.56	ug/kg	98
41) 1,1,1-trichloroethane	9.625	97	71015	10.53	ug/kg	98
43) Cyclohexane	9.915	56	60436	10.31	ug/kg	100
44) carbon tetrachloride	9.995	117	82220	10.64	ug/kg	88
45) 1,1-dichloropropene	9.800	75	46950	10.51	ug/kg	95
46) benzene	10.029	78	126986m	9.76	ug/kg	
47) 1,2-dichloroethane	9.524	62	62867	10.21	ug/kg	99
48) tert-amyl methyl ether	10.144	73	64687	9.98	ug/kg	90
49) heptane	10.507	43	61908	10.09	ug/kg	95
50) trichloroethene	10.656	95	42610	9.31	ug/kg	98
51) 1,2-dichloropropane	10.622	63	33016	10.27	ug/kg	98
52) dibromomethane	10.595	93	25332	10.19	ug/kg	87
53) bromodichloromethane	10.709	83	59006	10.53	ug/kg	96
54) Methylcyclohexane	11.174	83	57886	10.44	ug/kg	94
55) 2-chloroethyl vinyl ether	11.087	63	9184	9.31	ug/kg	93
56) methyl methacrylate	10.810	69	17459	10.05	ug/kg#	74
57) 1,4-dioxane	10.804	88	1386m	41.64	ug/kg	
58) cis-1,3-dichloropropene	11.329	75	52851	10.15	ug/kg	97
60) 4-methyl-2-pentanone	11.423	43	36475	9.85	ug/kg	99
61) toluene	12.111	92	84738	10.28	ug/kg	83
62) trans-1,3-dichloropropene	11.754	75	49251	10.29	ug/kg	99
63) 1,1,2-trichloroethane	11.922	83	22967	9.50	ug/kg#	74
64) ethyl methacrylate	12.124	69	34972	10.09	ug/kg	98
66) tetrachloroethene	12.858	166	50548	9.82	ug/kg	90
67) 1,3-dichloropropane	12.164	76	47857	10.02	ug/kg	97
68) dibromochloromethane	12.454	129	58871	10.48	ug/kg	100
69) 1,2-dibromoethane	12.710	107	36841	9.85	ug/kg	98
70) 2-hexanone	12.292	43	29710	9.93	ug/kg	98
71) chlorobenzene	13.539	112	126953	10.27	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.458	131	55216	10.14	ug/kg	98
73) ethylbenzene	13.707	91	178337	10.46	ug/kg	96
74) m,p-xylene	13.896	106	154272	20.87	ug/kg	96
75) o-xylene	14.307	106	78156	10.34	ug/kg	96
76) styrene	14.233	104	121737	10.56	ug/kg	99
77) bromoform	14.064	173	38131	9.58	ug/kg	93
78) trans-1,4-dichloro-2-b...	14.462	53	15875	9.84	ug/kg#	71
80) isopropylbenzene	14.670	105	216666	10.52	ug/kg	99
82) bromobenzene	14.967	156	58293	9.93	ug/kg	93
83) 1,1,2,2-tetrachloroethane	14.313	83	38530	9.47	ug/kg	97
84) 1,2,3-trichloropropane	14.462	75	43767	9.70	ug/kg	100
85) n-propylbenzene	15.115	91	214466	10.29	ug/kg	99
86) 2-chlorotoluene	15.243	91	142904	10.60	ug/kg	96
87) 4-chlorotoluene	15.317	91	141818	10.66	ug/kg	99
88) 1,3,5-trimethylbenzene	15.391	105	181985	10.56	ug/kg	99
89) tert-butylbenzene	15.701	91	102849	10.43	ug/kg	99
90) 1,2,4-trimethylbenzene	15.802	105	176618	10.34	ug/kg	99
91) sec-butylbenzene	15.923	105	245271	10.60	ug/kg	96
92) 1,3-dichlorobenzene	16.031	146	125131	10.30	ug/kg	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62333.D
Acq On : 19 Dec 2013 6:54 pm
Operator : krystend
Sample : IC2178-10
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 09:46:39 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:32:38 2013
Response via : Initial Calibration

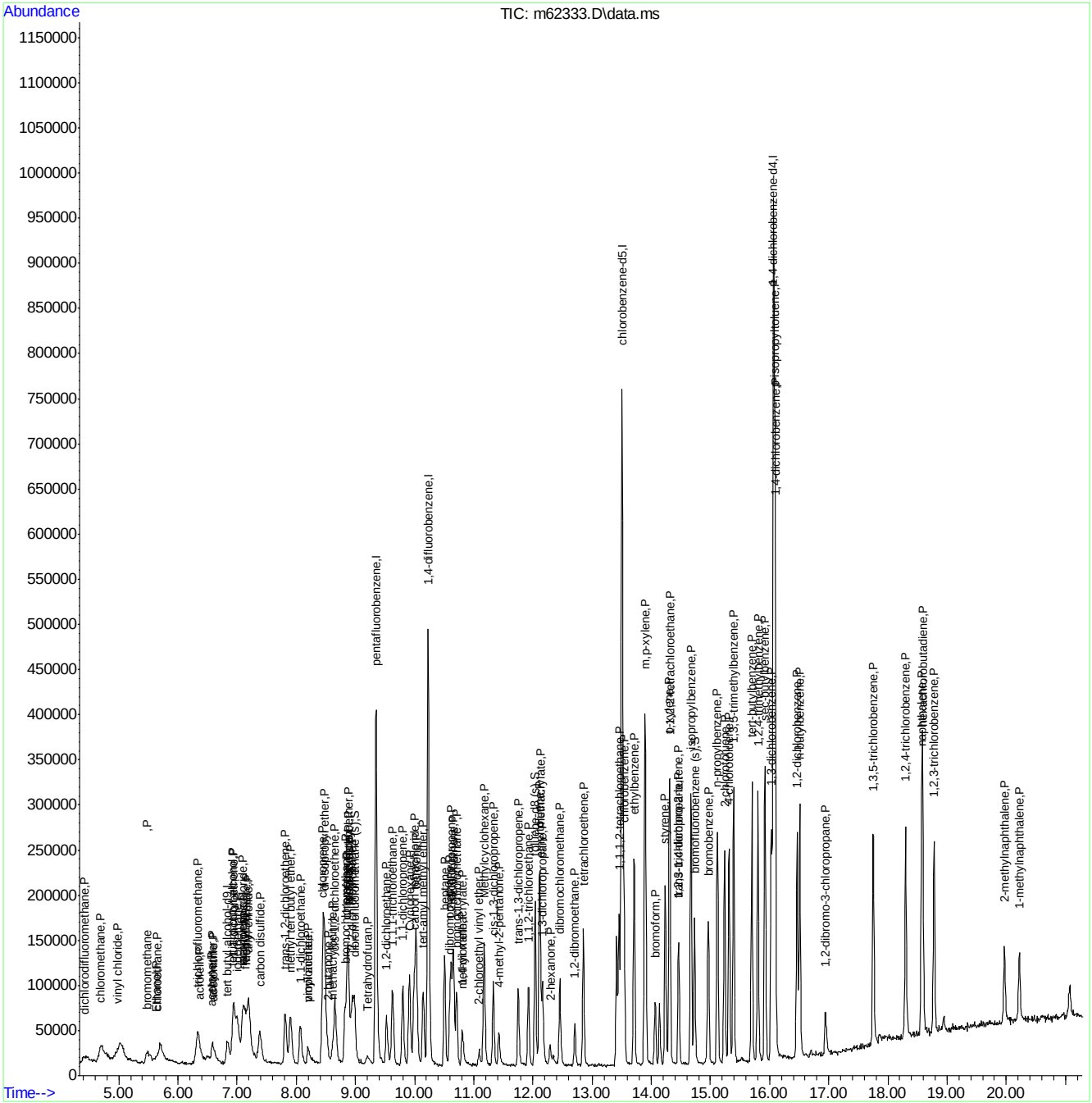
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.092	119	224096	10.46	ug/kg	98
94)	1,4-dichlorobenzene	16.099	146	128401	10.18	ug/kg	97
95)	1,2-dichlorobenzene	16.462	146	129605	10.58	ug/kg	97
96)	n-butylbenzene	16.509	91	164977	10.23	ug/kg	99
97)	1,2-dibromo-3-chloropr...	16.947	75	12205	10.04	ug/kg	86
98)	1,3,5-trichlorobenzene	17.756	180	86413	10.39	ug/kg	99
99)	1,2,4-trichlorobenzene	18.301	180	81851	9.91	ug/kg	99
100)	hexachlorobutadiene	18.591	225	45712	10.64	ug/kg	97
101)	naphthalene	18.571	128	222881	10.21	ug/kg	100
102)	1,2,3-trichlorobenzene	18.780	180	82320	10.31	ug/kg	92
103)	2-methylnaphthalene	19.972	142	57964	5.00	ug/kg	99
104)	1-methylnaphthalene	20.221	TIC	232376	4.50	ug/kg#	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62333.D
Acq On : 19 Dec 2013 6:54 pm
Operator : krystend
Sample : IC2178-10
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

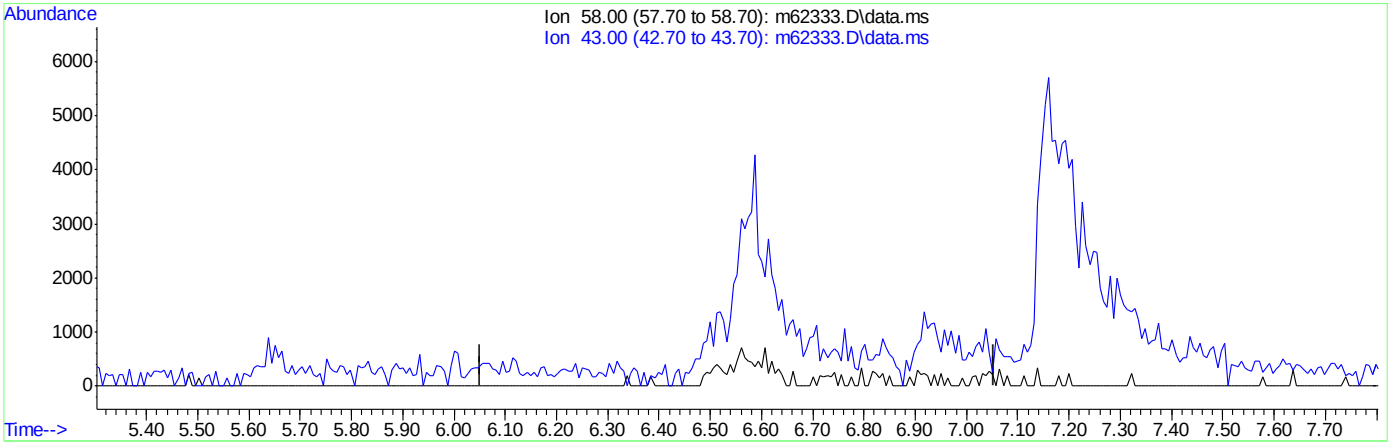
Quant Time: Dec 20 09:46:39 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:32:38 2013
Response via : Initial Calibration

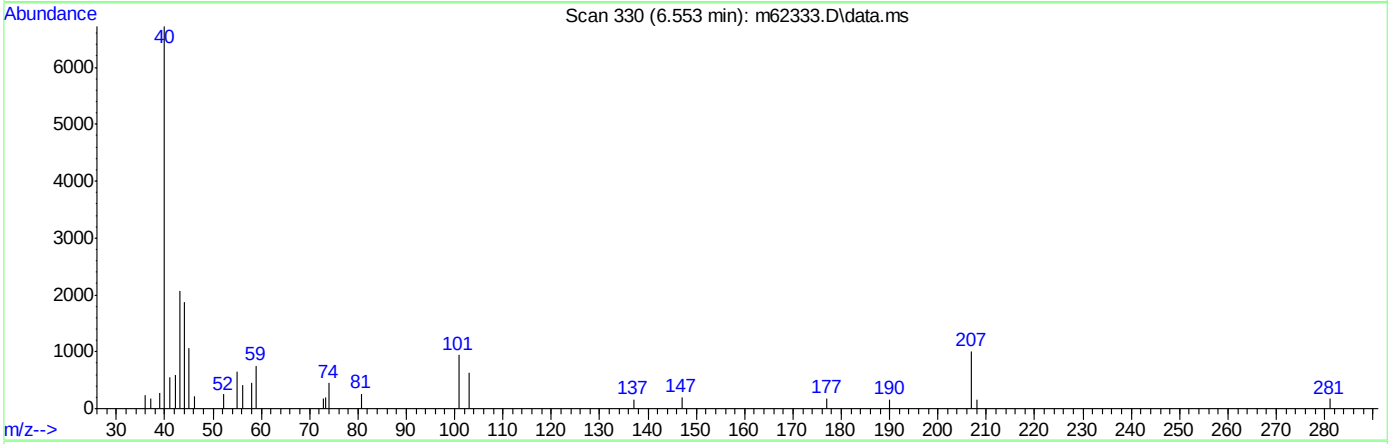


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62333.D
Acq On : 19 Dec 2013 6:54 pm
Operator : krystend
Sample : IC2178-10
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 08:30:16 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:30:02 2013
Response via : Initial Calibration





TIC: m62333.D\data.ms

(16) acetone (P)

6.553min (-6.553) 0.00ug/kg

response 0

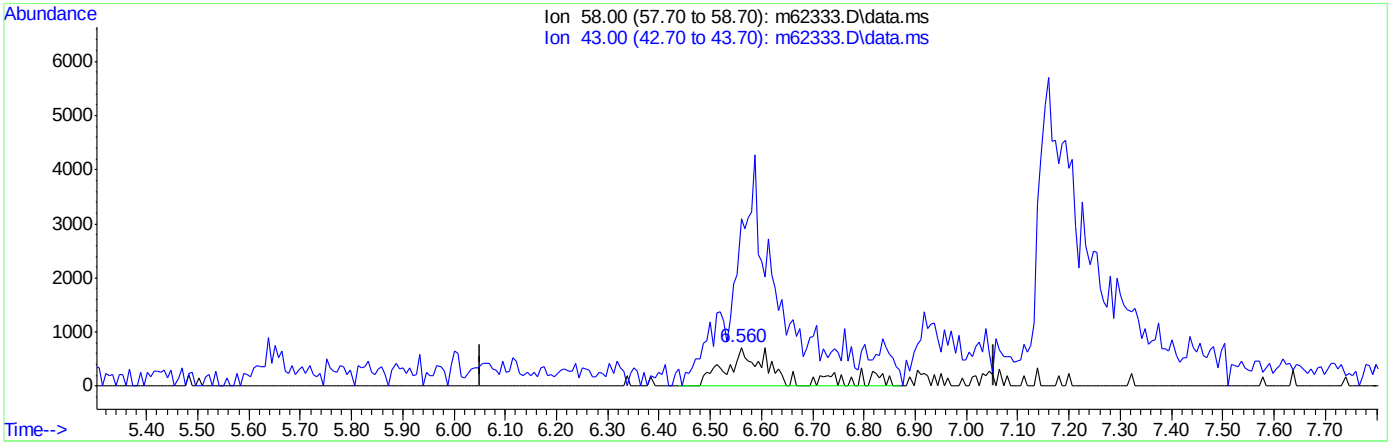
Ion	Exp%	Act%
58.00	100	0.00
43.00	365.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

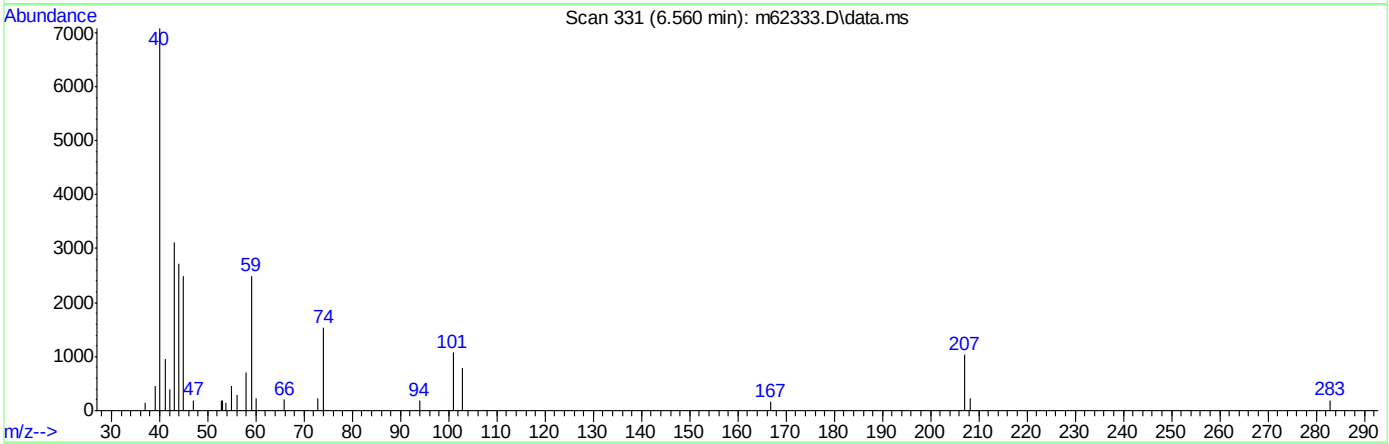
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62333.D
Acq On : 19 Dec 2013 6:54 pm
Operator : krystend
Sample : IC2178-10
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 08:30:16 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:30:02 2013
Response via : Initial Calibration





TIC: m62333.D\data.ms

(16) acetone (P)

6.560min (+0.007) 12.13ug/kg m

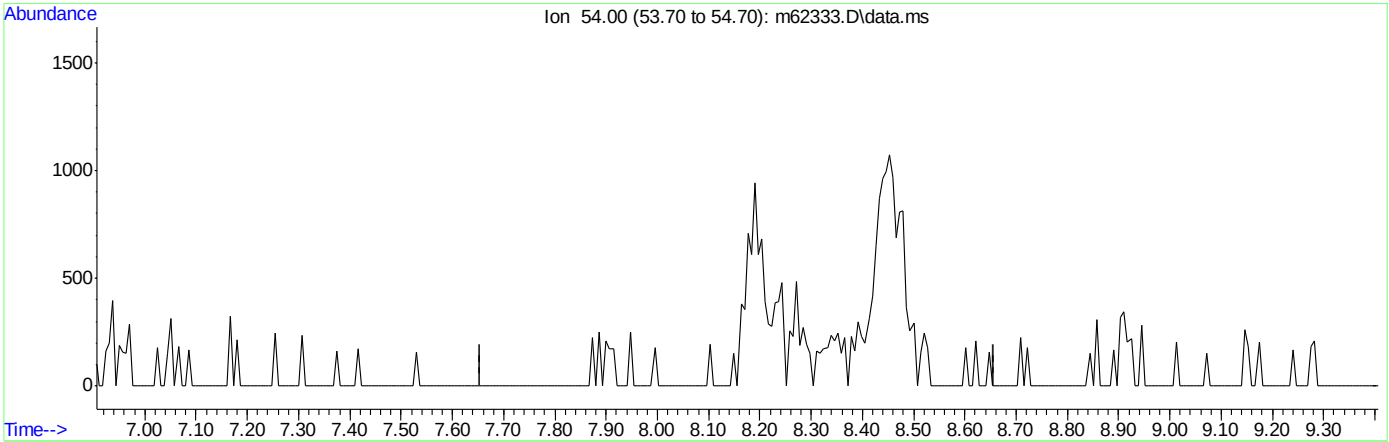
response 4914

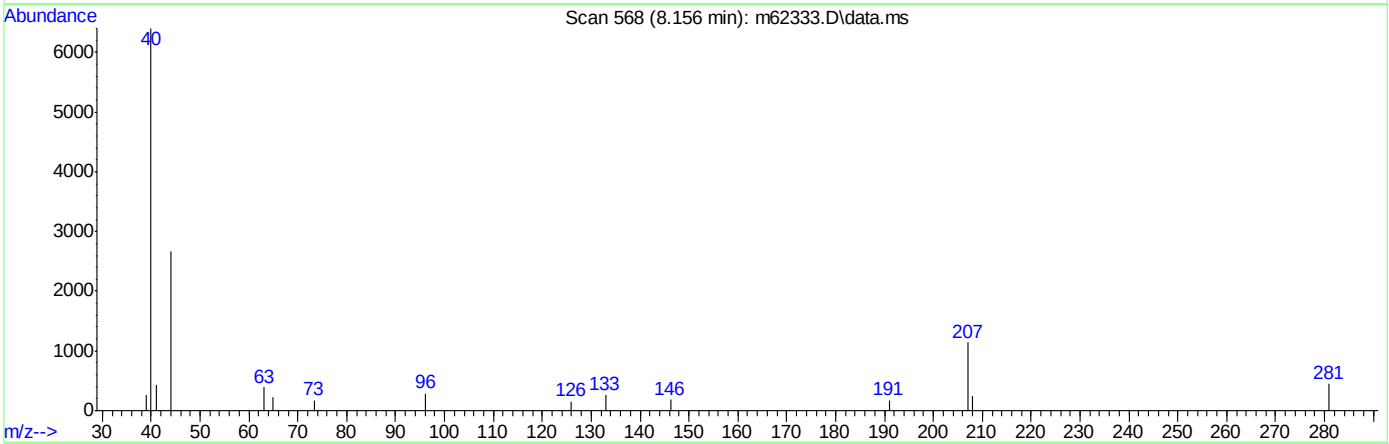
Ion	Exp%	Act%
58.00	100	100
43.00	365.80	433.38#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62333.D
Acq On : 19 Dec 2013 6:54 pm
Operator : krystend
Sample : IC2178-10
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 08:30:16 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:30:02 2013
Response via : Initial Calibration





TIC: m62333.D\data.ms

(25) propionitrile (P)

8.156min (-8.156) 0.00ug/kg

response 0

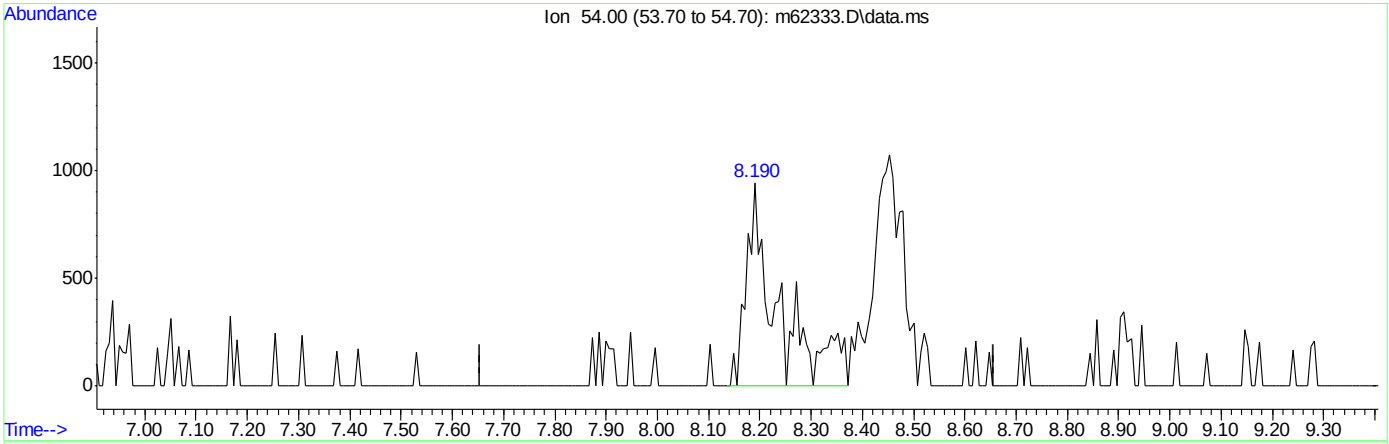
Ion	Exp%	Act%
54.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

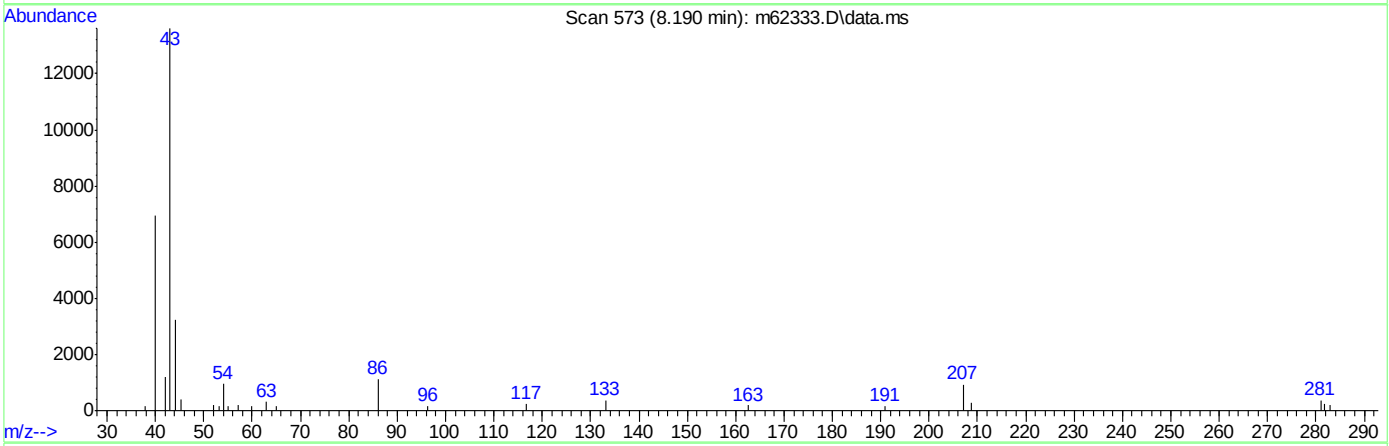
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62333.D
Acq On : 19 Dec 2013 6:54 pm
Operator : krystend
Sample : IC2178-10
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 08:30:16 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:30:02 2013
Response via : Initial Calibration





TIC: m62333.D\data.ms

(25) propionitrile (P)

8.190min (+0.034) 9.47ug/kg m

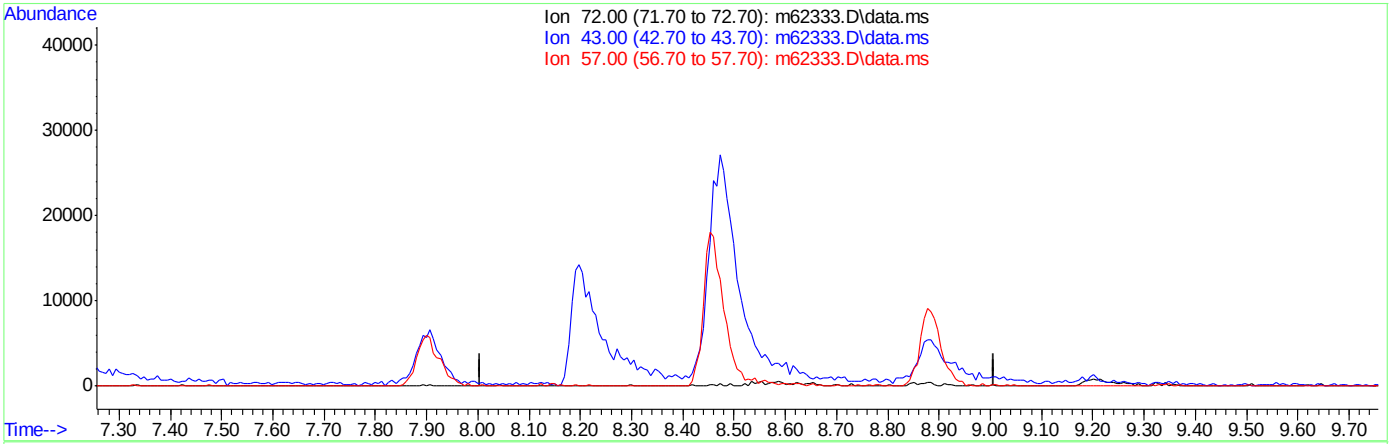
response 4112

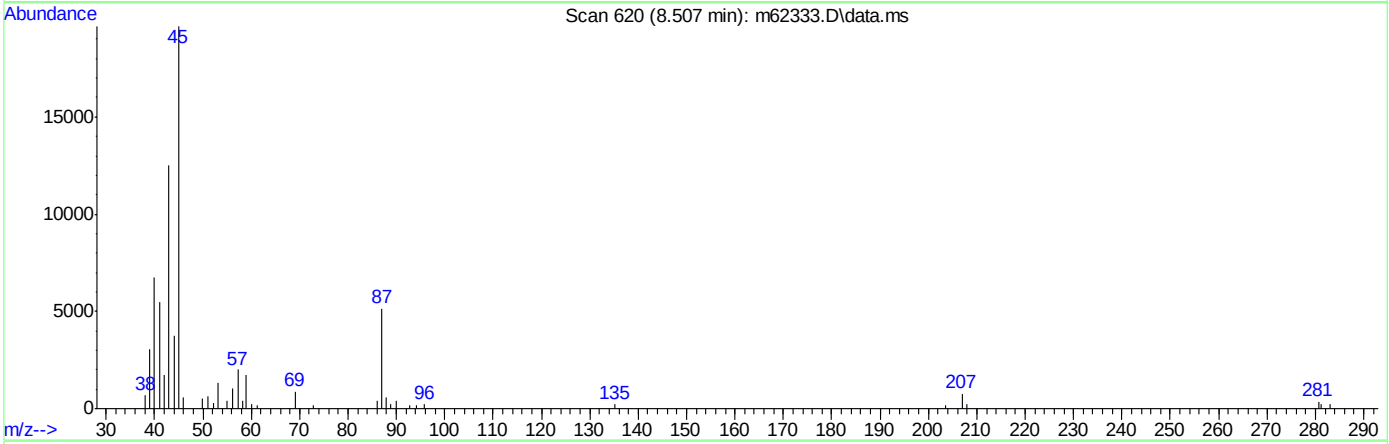
Ion	Exp%	Act%
54.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62333.D
Acq On : 19 Dec 2013 6:54 pm
Operator : krystend
Sample : IC2178-10
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 08:30:16 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:30:02 2013
Response via : Initial Calibration





TIC: m62333.D\data.ms

(30) 2-butanone (P)

8.507min (-8.507) 0.00ug/kg

response 0

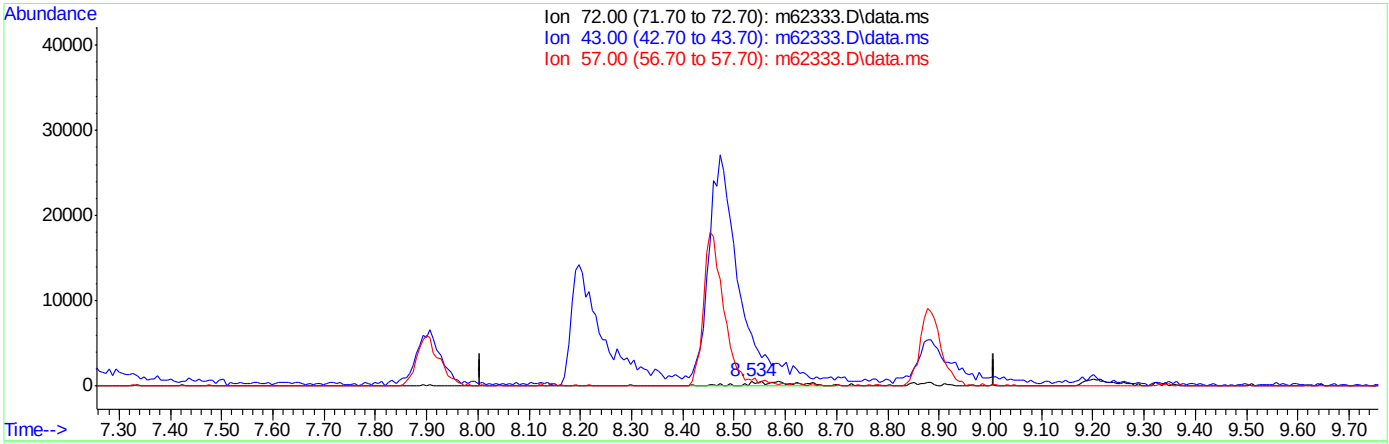
Ion	Exp%	Act%
72.00	100	0.00
43.00	1803.40	0.00#
57.00	205.30	0.00#
0.00	0.00	0.00

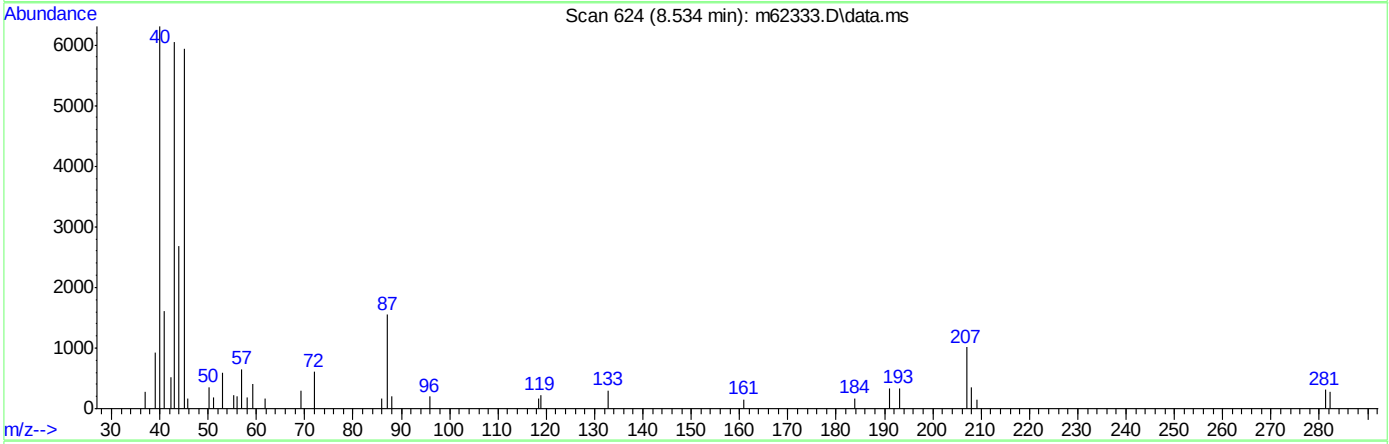
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62333.D
Acq On : 19 Dec 2013 6:54 pm
Operator : krystend
Sample : IC2178-10
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 08:30:16 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:30:02 2013
Response via : Initial Calibration





TIC: m62333.D\data.ms

(30) 2-butanone (P)

8.534min (+0.027) 10.36ug/kg m

response 3704

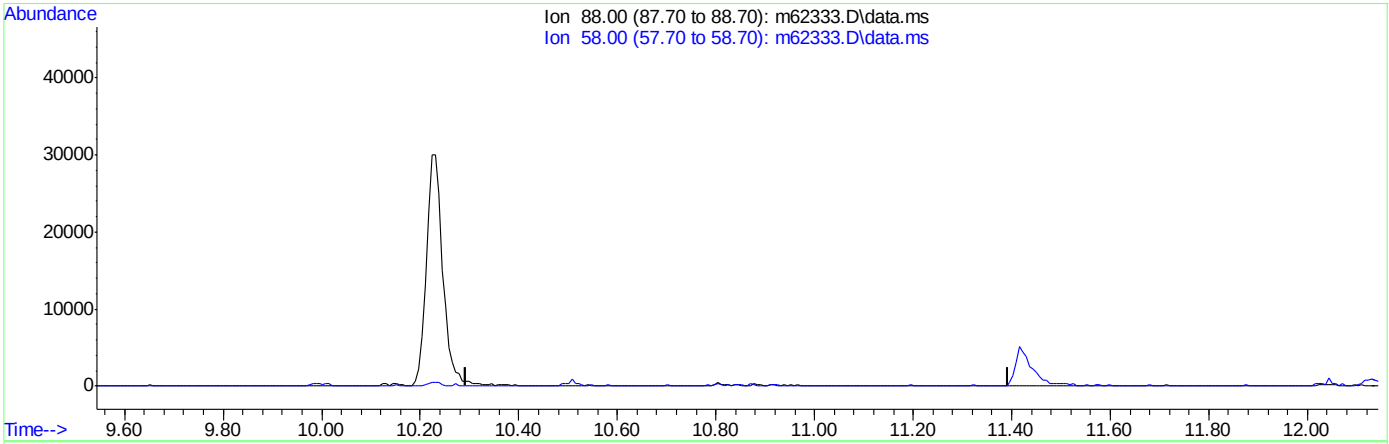
Ion	Exp%	Act%
72.00	100	100
43.00	1803.40	994.25#
57.00	205.30	107.55#
0.00	0.00	0.00

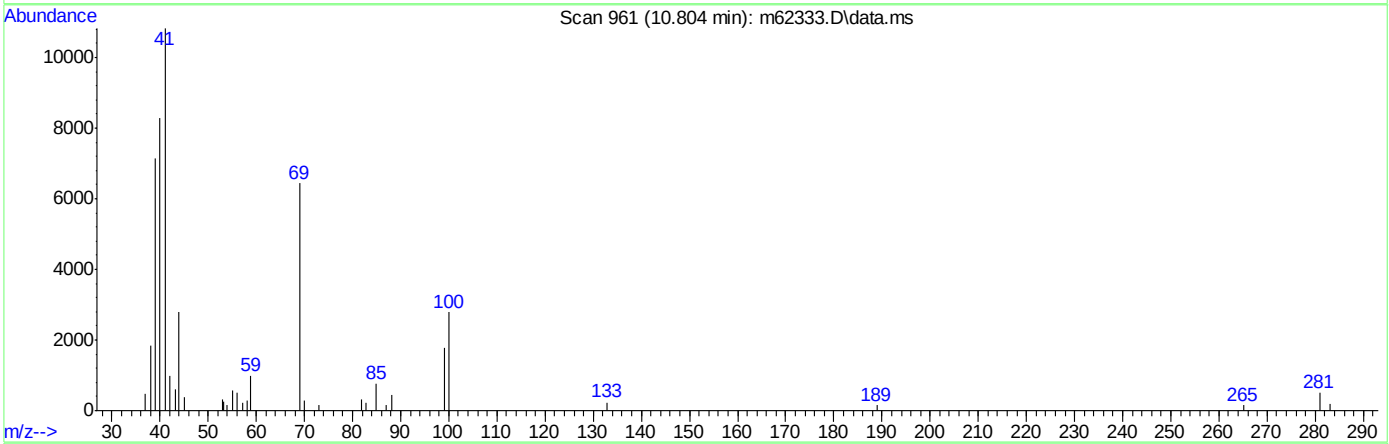
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62333.D
Acq On : 19 Dec 2013 6:54 pm
Operator : krystend
Sample : IC2178-10
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 08:30:16 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:30:02 2013
Response via : Initial Calibration





TIC: m62333.D\data.ms

(57) 1,4-dioxane (P)

10.804min (-10.804) 0.00ug/kg

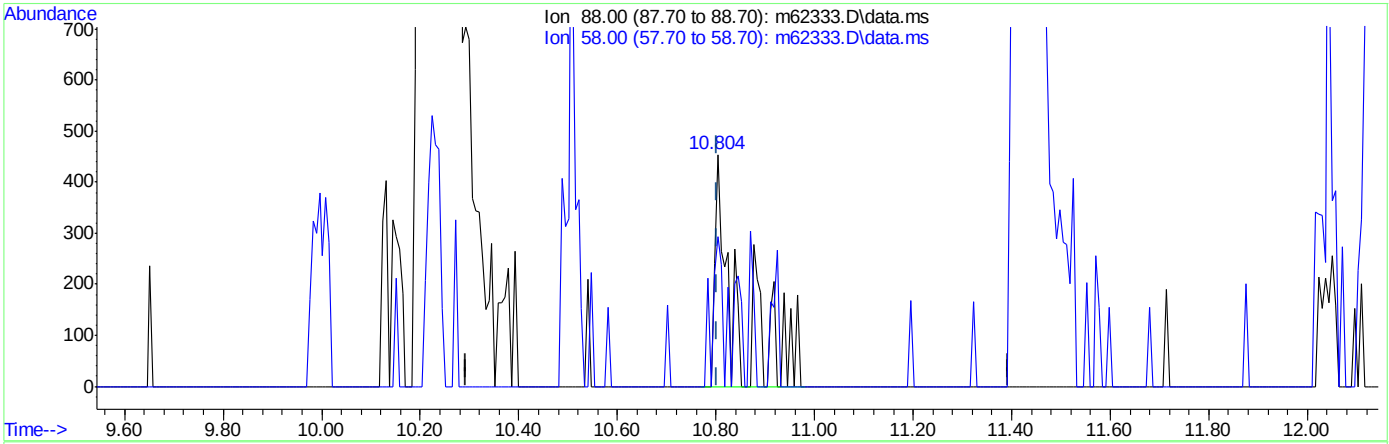
response 0

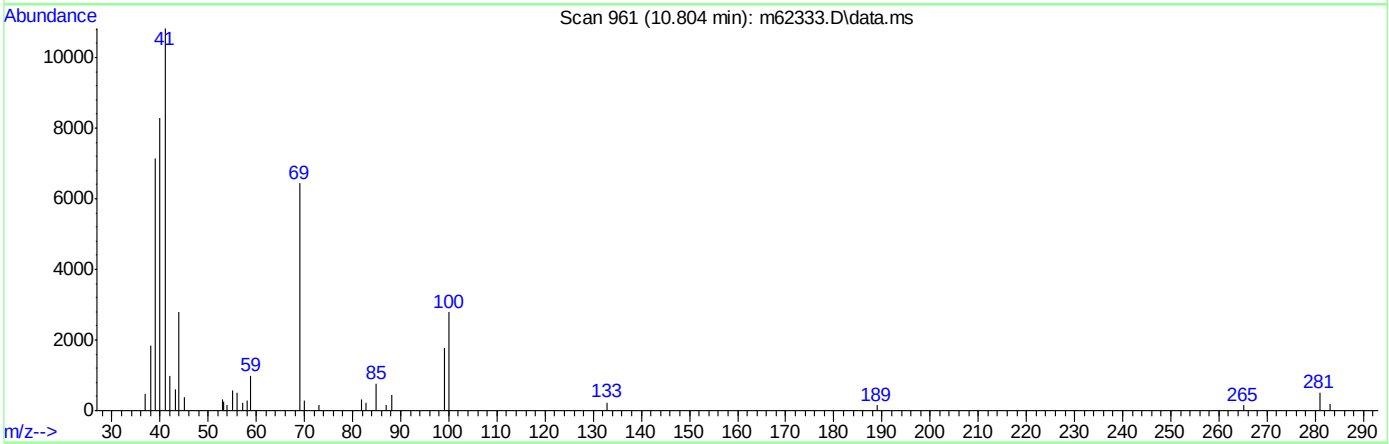
Ion	Exp%	Act%
88.00	100	0.00
58.00	68.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62333.D
Acq On : 19 Dec 2013 6:54 pm
Operator : krystend
Sample : IC2178-10
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 08:30:16 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:30:02 2013
Response via : Initial Calibration





TIC: m62333.D\data.ms

(57) 1,4-dioxane (P)

10.804min (-0.000) 38.43ug/kg m

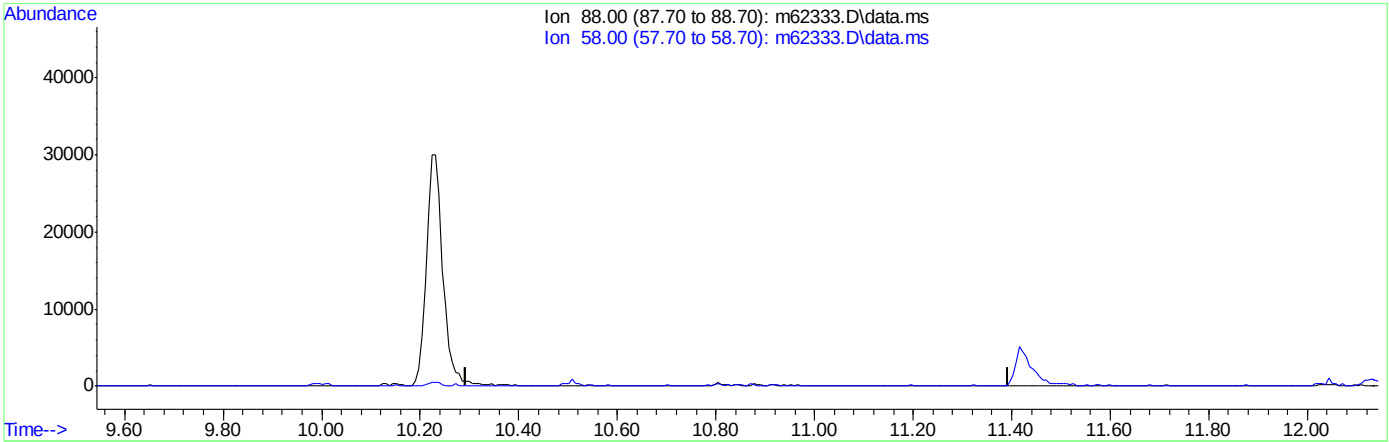
response 1386

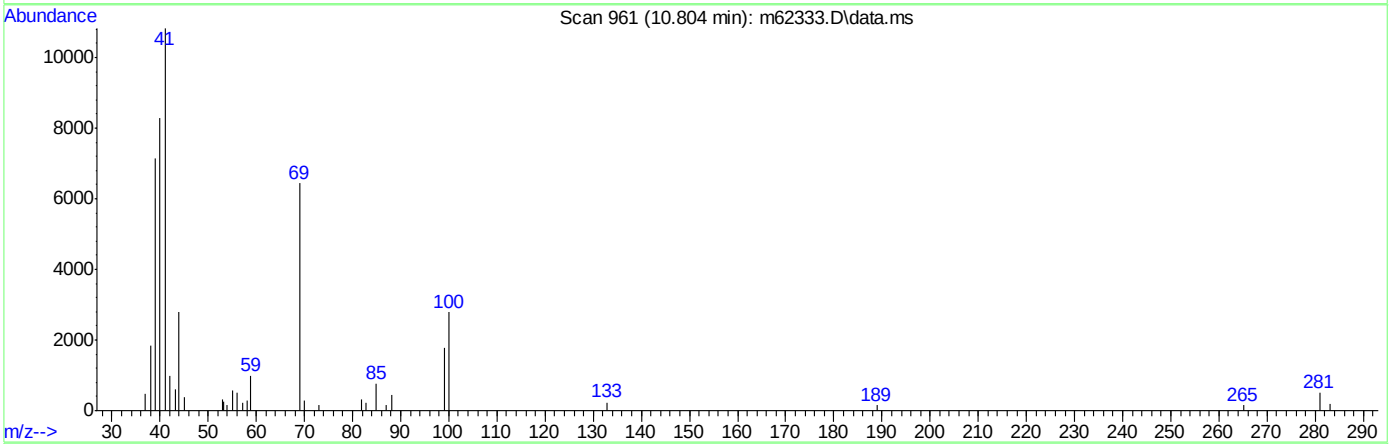
Ion	Exp%	Act%
88.00	100	100
58.00	68.90	64.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62333.D
Acq On : 19 Dec 2013 6:54 pm
Operator : krystend
Sample : IC2178-10
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 08:32:45 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:32:38 2013
Response via : Initial Calibration





TIC: m62333.D\data.ms

(57) 1,4-dioxane (P)

10.804min (-10.804) 0.00ug/kg

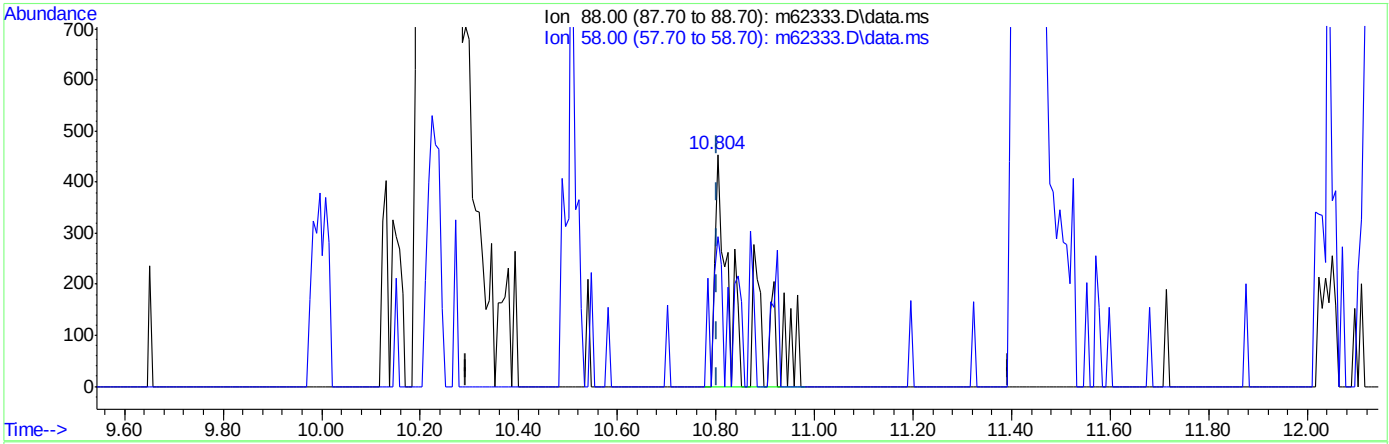
response 0

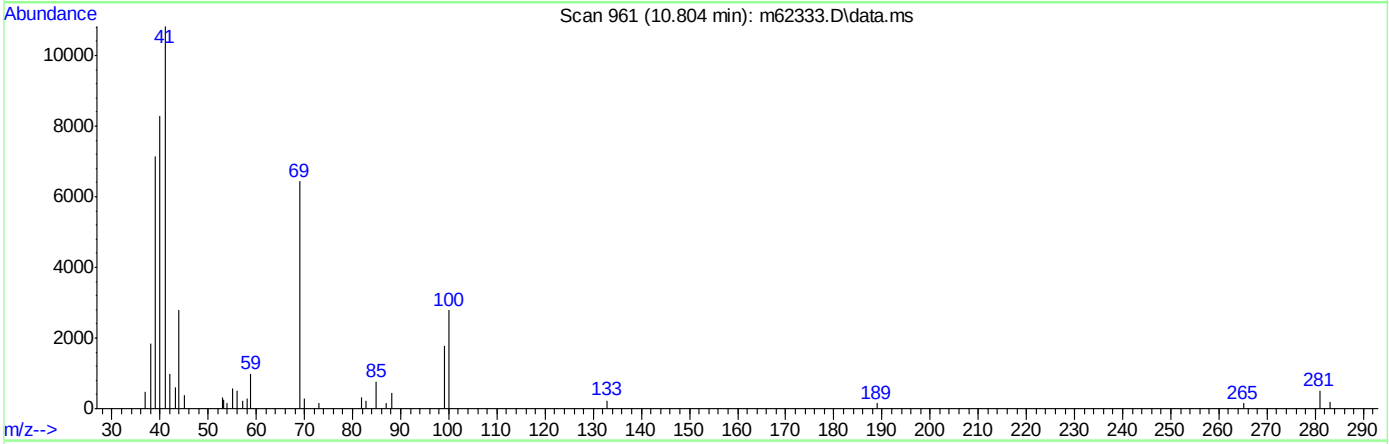
Ion	Exp%	Act%
88.00	100	0.00
58.00	68.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62333.D
Acq On : 19 Dec 2013 6:54 pm
Operator : krystend
Sample : IC2178-10
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 08:32:45 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:32:38 2013
Response via : Initial Calibration





TIC: m62333.D\data.ms

(57) 1,4-dioxane (P)

10.804min (-0.000) 41.64ug/kg m

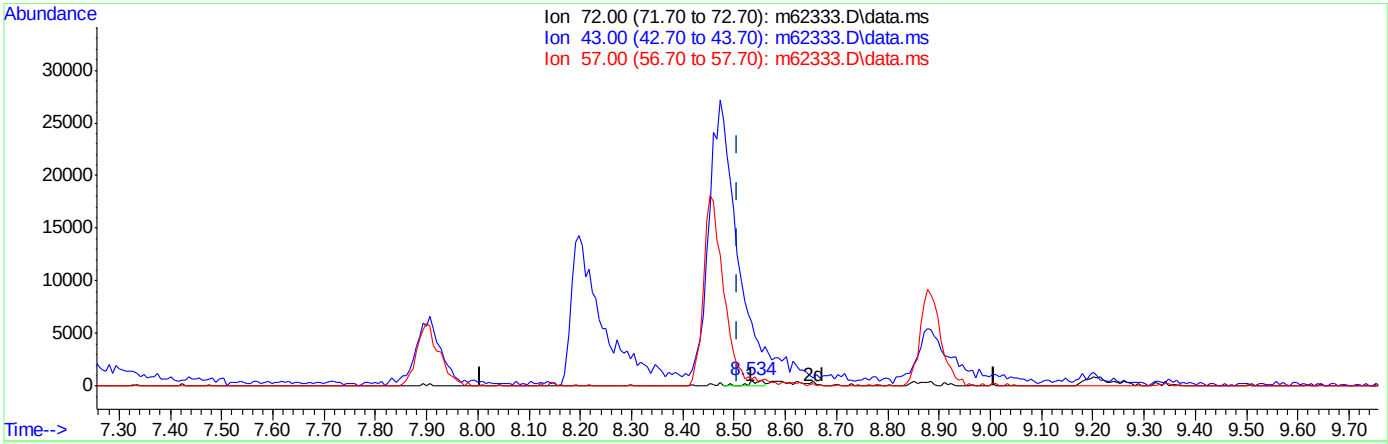
response 1386

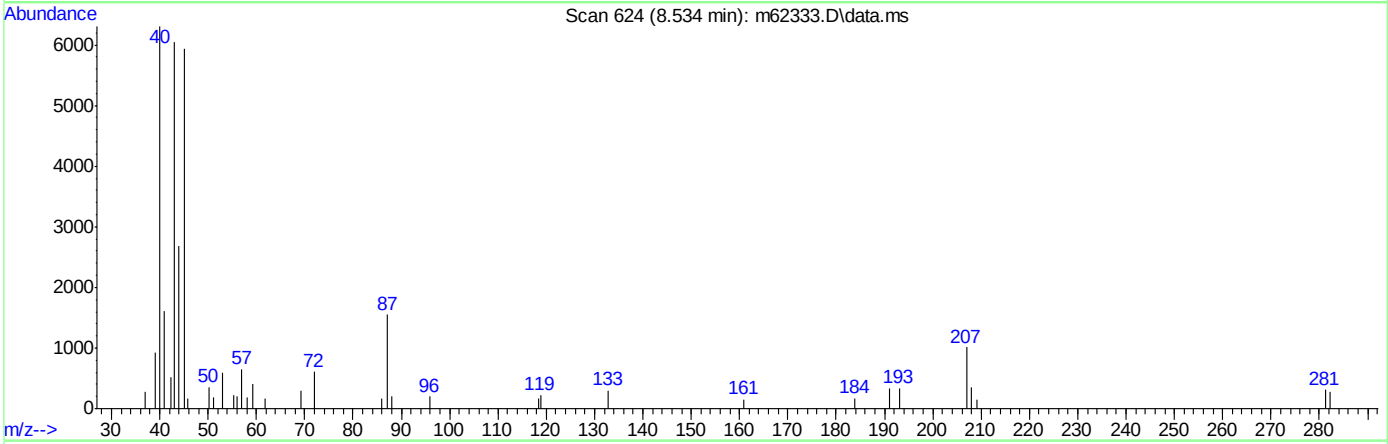
Ion	Exp%	Act%
88.00	100	100
58.00	68.90	64.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62333.D
Acq On : 19 Dec 2013 6:54 pm
Operator : krystend
Sample : IC2178-10
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 08:33:04 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:32:38 2013
Response via : Initial Calibration





TIC: m62333.D\data.ms

(30) 2-butanone (P)

8.534min (+0.027) 3.22ug/kg

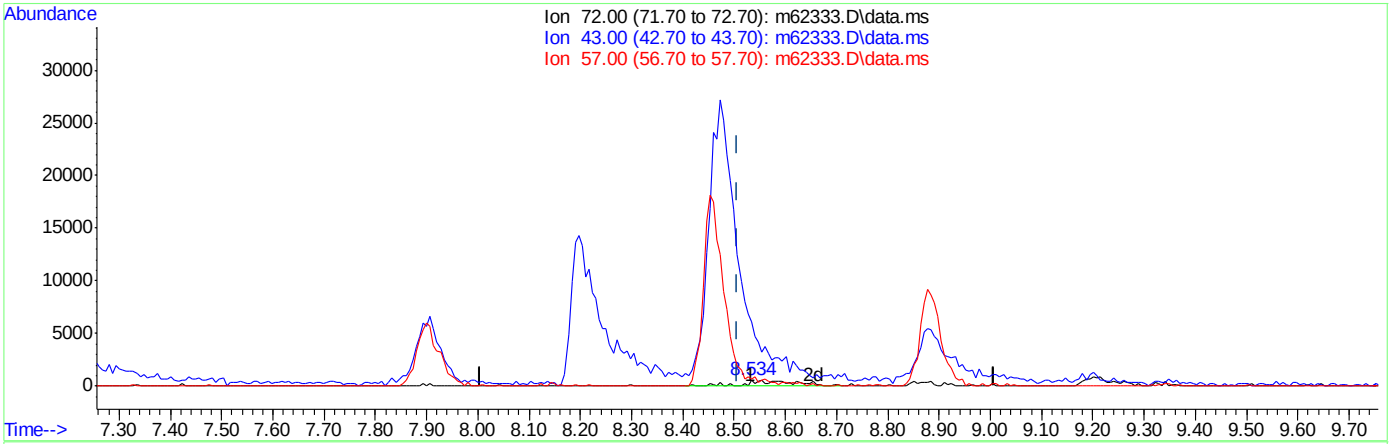
response 1088

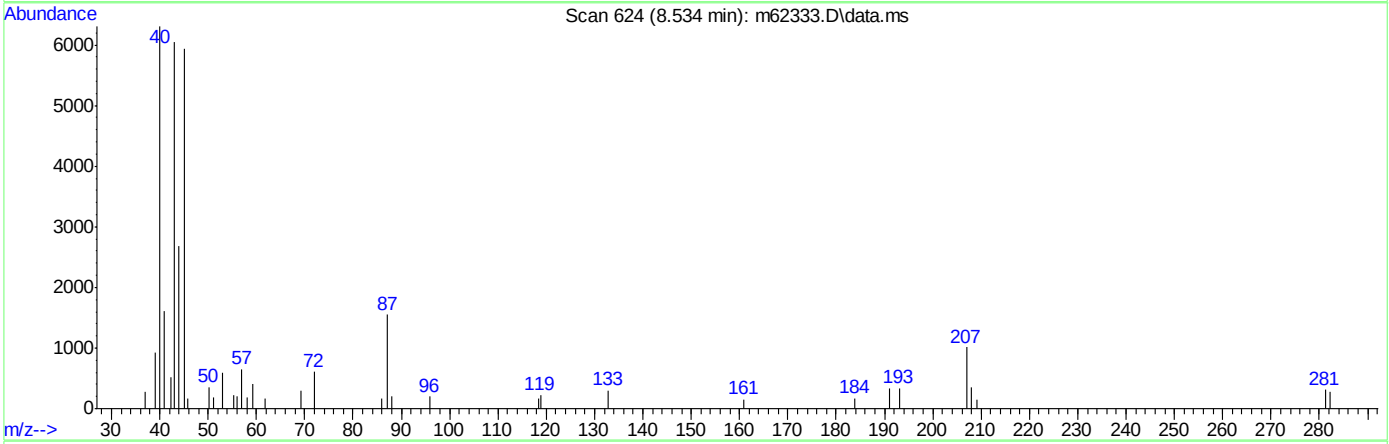
Ion	Exp%	Act%
72.00	100	100
43.00	1803.40	381.44#
57.00	205.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62333.D
Acq On : 19 Dec 2013 6:54 pm
Operator : krystend
Sample : IC2178-10
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 08:33:04 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:32:38 2013
Response via : Initial Calibration





TIC: m62333.D\data.ms

(30) 2-butanone (P)

8.534min (+0.027) 10.95ug/kg m

response 3704

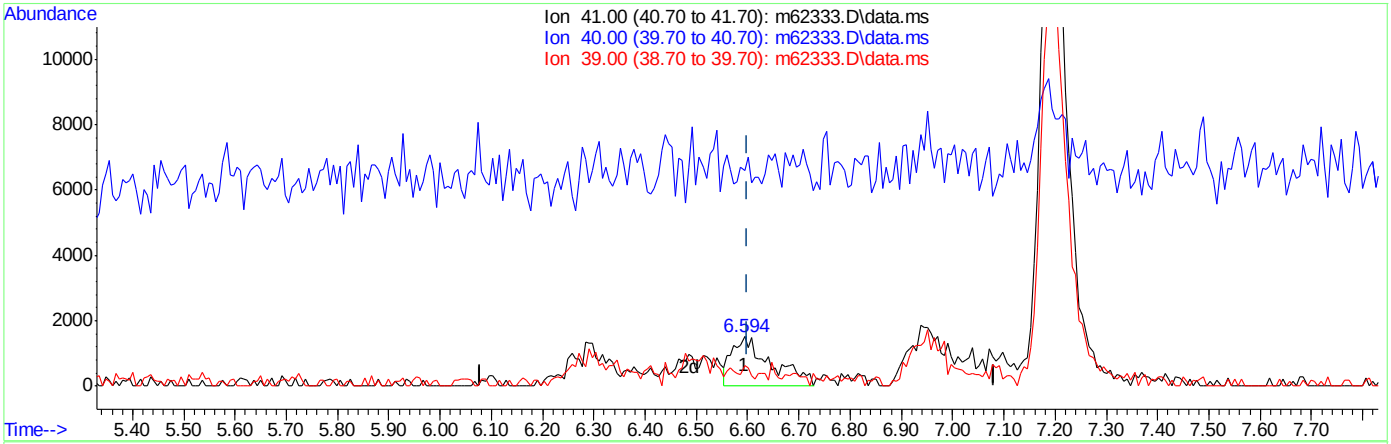
Ion	Exp%	Act%
72.00	100	100
43.00	1803.40	994.25#
57.00	205.30	107.55#
0.00	0.00	0.00

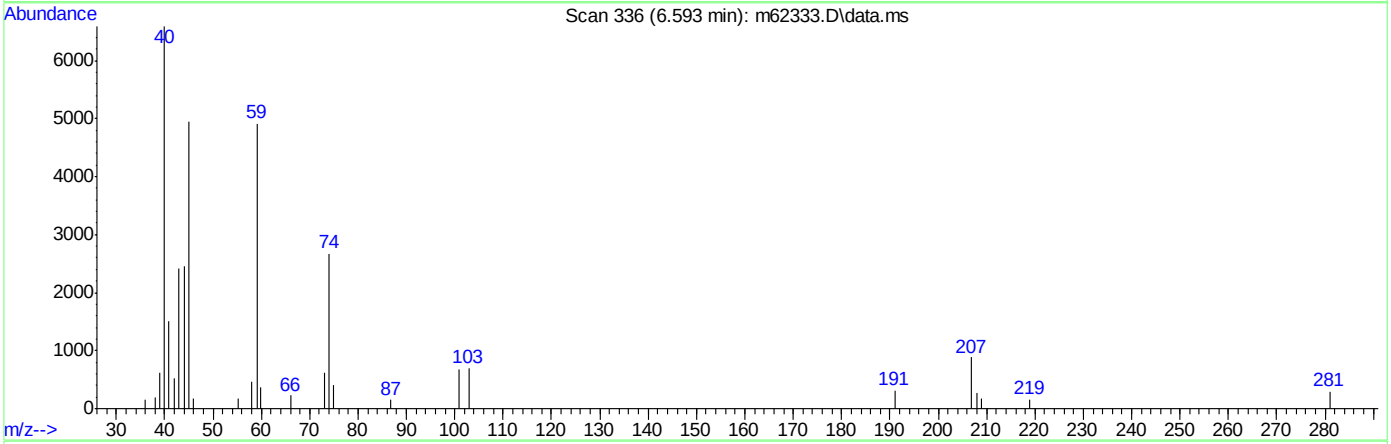
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62333.D
Acq On : 19 Dec 2013 6:54 pm
Operator : krystend
Sample : IC2178-10
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 08:55:33 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:32:38 2013
Response via : Initial Calibration





TIC: m62333.D\data.ms

(11) acetonitrile (P)

6.593min (-0.007) 11.00ug/kg m

response 7952

Ion	Exp%	Act%
41.00	100	100
40.00	0.00	436.65#
39.00	18.50	41.35
0.00	0.00	0.00

M62333.D edits: acetonitrile

Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
12/20/13 10:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62334.D
Acq On : 19 Dec 2013 7:24 pm
Operator : krystend
Sample : IC2178-20
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 20 09:46:04 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:33:21 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	113064	500.00	ug/kg	-0.01
4) pentafluorobenzene	9.349	168	349795	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	531010	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.498	82	222117	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	294458	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	87194m	18.84	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 37.68%#			
59) toluene-d8 (s)	12.036	98	268308	19.11	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 38.22%#			
81) bromofluorobenzene (s)	14.731	95	112503	19.96	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 39.92%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	88788	205.61	ug/kg	82
3) Ethanol	5.644	45	39362m	1788.37	ug/kg	
5) dichlorodifluoromethane	4.418	85	49105	15.59	ug/kg	96
6) chloromethane	4.687	50	76259	15.56	ug/kg	94
7) vinyl chloride	4.963	62	64677	17.46	ug/kg	98
8) bromomethane ...	5.502	96	61198	18.00	ug/kg	98
9) chloroethane	5.664	64	36427	18.77	ug/kg	100
10) ethyl ether	6.580	59	49281	20.35	ug/kg	90
11) acetonitrile	6.593	41	20300	31.41	ug/kg	85
12) trichlorofluoromethane	6.337	101	142618	18.33	ug/kg	95
13) freon-113	7.139	101	53981m	17.07	ug/kg	
14) acrolein	6.331	56	39980	105.20	ug/kg	98
15) 1,1-dichloroethene	6.944	96	59481	16.73	ug/kg	98
16) acetone	6.567	58	6794	16.92	ug/kg#	58
17) Methyl Acetate	7.153	43	70870	21.76	ug/kg	97
18) methylene chloride	7.105	84	59090	17.89	ug/kg	94
19) methyl tert butyl ether	7.900	73	147078	18.99	ug/kg	98
20) acrylonitrile	7.045	53	24027	19.32	ug/kg	72
21) allyl chloride	7.193	41	110483	18.58	ug/kg	94
22) trans-1,2-dichloroethene	7.813	96	66950m	18.15	ug/kg	
23) iodomethane	6.998	142	157515	20.47	ug/kg	97
24) carbon disulfide	7.382	76	159889m	18.39	ug/kg	
25) propionitrile	8.170	54	9050m	26.27	ug/kg	
26) vinyl acetate	8.183	43	134330	21.00	ug/kg	97
27) chloroprene	8.446	53	128228	20.55	ug/kg	97
28) di-isopropyl ether	8.480	45	238562	19.35	ug/kg	96
29) methacrylonitrile	8.608	41	39610	11.22	ug/kg	96
30) 2-butanone	8.507	72	8871	34.12	ug/kg#	86
31) 1,1-dichloroethane	8.062	63	121779	19.64	ug/kg	96
32) tert-butyl ethyl ether	8.884	59	170570	19.73	ug/kg	98
33) isobutyl alcohol	8.891	43	35118m	63.92	ug/kg	
34) 2,2-dichloropropane	8.951	77	92141	18.96	ug/kg	98
35) cis-1,2-dichloroethene	8.655	96	75798m	18.57	ug/kg	
36) ethyl acetate	8.891	43	55044	19.18	ug/kg	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62334.D
Acq On : 19 Dec 2013 7:24 pm
Operator : krystend
Sample : IC2178-20
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 20 09:46:04 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:33:21 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	48837	18.84	ug/kg	97
38) chloroform	8.864	83	141599	20.06	ug/kg	99
40) Tetrahydrofuran	9.200	42	24406	19.65	ug/kg	98
41) 1,1,1-trichloroethane	9.625	97	136993	19.62	ug/kg	95
43) Cyclohexane	9.915	56	112271	18.43	ug/kg	96
44) carbon tetrachloride	9.995	117	155718	19.39	ug/kg	99
45) 1,1-dichloropropene	9.800	75	91212	19.63	ug/kg	97
46) benzene	10.029	78	246043m	18.20	ug/kg	
47) 1,2-dichloroethane	9.524	62	121190	18.94	ug/kg	93
48) tert-amyl methyl ether	10.144	73	129922	19.18	ug/kg	99
49) heptane	10.507	43	124168	19.47	ug/kg	95
50) trichloroethene	10.656	95	82773	17.40	ug/kg	90
51) 1,2-dichloropropane	10.622	63	65362	19.56	ug/kg	97
52) dibromomethane	10.595	93	48646	18.82	ug/kg	96
53) bromodichloromethane	10.709	83	111486	19.14	ug/kg	98
54) Methylcyclohexane	11.174	83	109323	18.98	ug/kg	98
55) 2-chloroethyl vinyl ether	11.087	63	21030	20.52	ug/kg	96
56) methyl methacrylate	10.797	69	36199	20.04	ug/kg	97
57) 1,4-dioxane	10.804	88	3276m	94.70	ug/kg	
58) cis-1,3-dichloropropene	11.329	75	106335	19.65	ug/kg	96
60) 4-methyl-2-pentanone	11.423	43	75292	19.56	ug/kg	97
61) toluene	12.111	92	174583	20.37	ug/kg	100
62) trans-1,3-dichloropropene	11.754	75	99096	19.92	ug/kg	97
63) 1,1,2-trichloroethane	11.922	83	47130	18.75	ug/kg	90
64) ethyl methacrylate	12.124	69	70651	19.61	ug/kg	96
66) tetrachloroethene	12.858	166	101219	19.14	ug/kg	94
67) 1,3-dichloropropane	12.164	76	92267	18.80	ug/kg	96
68) dibromochloromethane	12.454	129	115071	19.93	ug/kg	99
69) 1,2-dibromoethane	12.710	107	75915	19.75	ug/kg	99
70) 2-hexanone	12.286	43	52353	17.03	ug/kg	98
71) chlorobenzene	13.539	112	252390	19.88	ug/kg	96
72) 1,1,1,2-tetrachloroethane	13.458	131	110310	19.71	ug/kg	97
73) ethylbenzene	13.707	91	352471	20.12	ug/kg	96
74) m,p-xylene	13.896	106	303132	39.91	ug/kg	95
75) o-xylene	14.307	106	155072	19.97	ug/kg	98
76) styrene	14.239	104	245092	20.70	ug/kg	98
77) bromoform	14.064	173	78036	19.07	ug/kg	96
78) trans-1,4-dichloro-2-b...	14.455	53	32029	19.33	ug/kg	93
80) isopropylbenzene	14.670	105	418656	20.36	ug/kg	97
82) bromobenzene	14.967	156	119989	20.46	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.313	83	77959	19.18	ug/kg	96
84) 1,2,3-trichloropropane	14.462	75	90988	20.20	ug/kg	99
85) n-propylbenzene	15.115	91	430887	20.69	ug/kg	99
86) 2-chlorotoluene	15.236	91	275568	20.46	ug/kg	97
87) 4-chlorotoluene	15.317	91	270503	20.35	ug/kg	97
88) 1,3,5-trimethylbenzene	15.391	105	357517	20.76	ug/kg	98
89) tert-butylbenzene	15.701	91	198120	20.11	ug/kg	91
90) 1,2,4-trimethylbenzene	15.802	105	350651	20.55	ug/kg	95
91) sec-butylbenzene	15.923	105	471088	20.38	ug/kg	98
92) 1,3-dichlorobenzene	16.031	146	241941	19.94	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62334.D
Acq On : 19 Dec 2013 7:24 pm
Operator : krystend
Sample : IC2178-20
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 20 09:46:04 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:33:21 2013
Response via : Initial Calibration

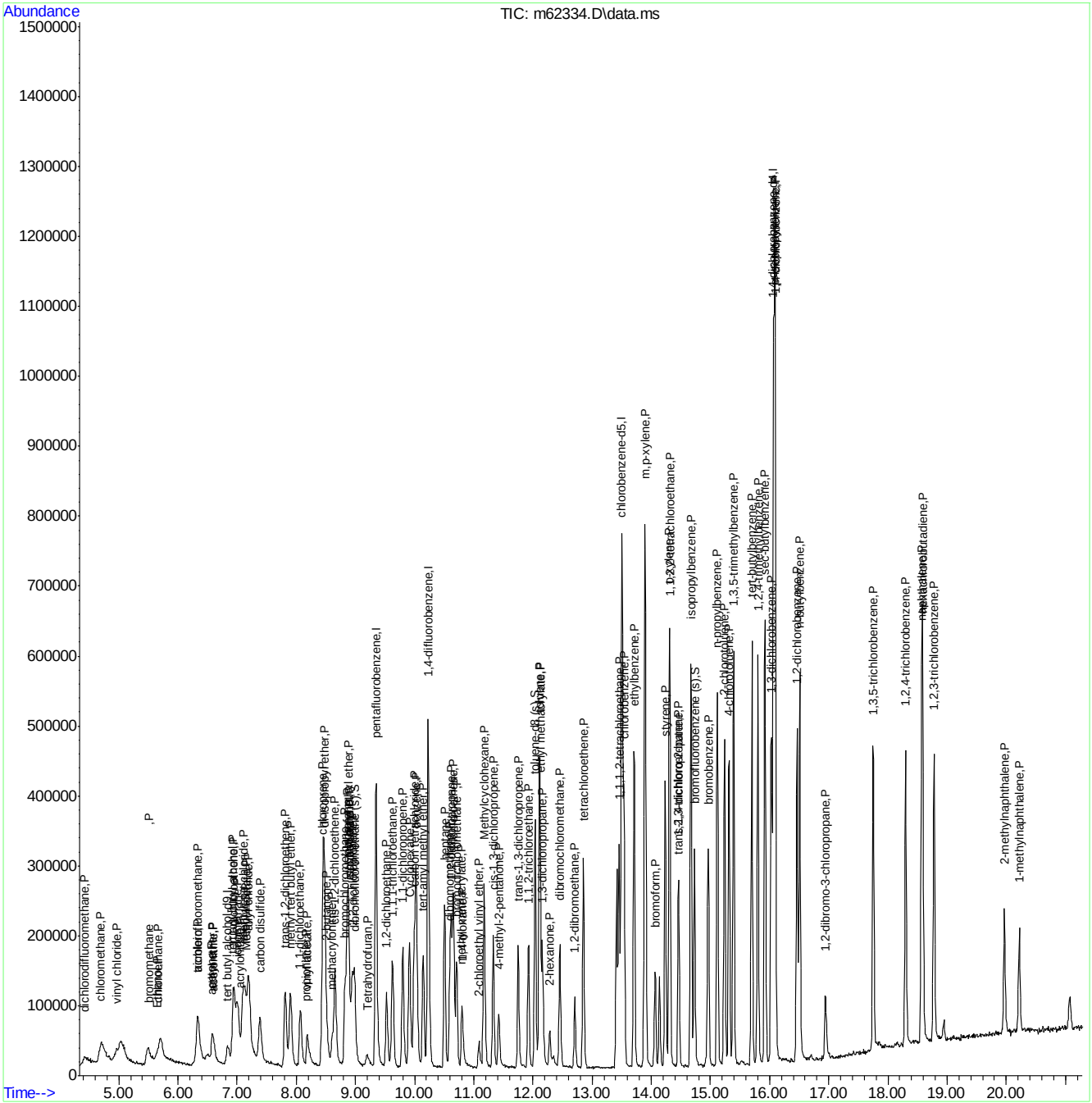
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	434992	20.33	ug/kg	98
94) 1,4-dichlorobenzene	16.098	146	244125	19.38	ug/kg	99
95) 1,2-dichlorobenzene	16.462	146	239522	19.57	ug/kg	98
96) n-butylbenzene	16.509	91	317838	19.72	ug/kg	98
97) 1,2-dibromo-3-chloropr...	16.941	75	23197	19.10	ug/kg	91
98) 1,3,5-trichlorobenzene	17.756	180	160809	19.35	ug/kg	98
99) 1,2,4-trichlorobenzene	18.301	180	161346	19.56	ug/kg	98
100) hexachlorobutadiene	18.591	225	84156	19.61	ug/kg	99
101) naphthalene	18.571	128	436318	20.02	ug/kg	100
102) 1,2,3-trichlorobenzene	18.780	180	158248	19.85	ug/kg	98
103) 2-methylnaphthalene	19.972	142	117502	10.14	ug/kg	97
104) 1-methylnaphthalene	20.221	TIC	366331	7.11	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62334.D
Acq On : 19 Dec 2013 7:24 pm
Operator : krystend
Sample : IC2178-20
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

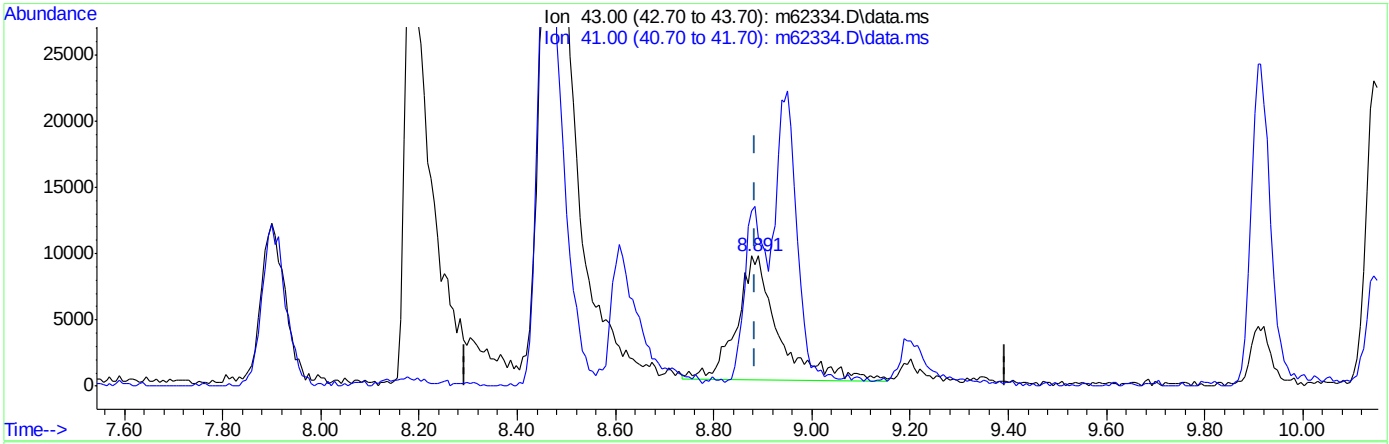
Quant Time: Dec 20 09:46:04 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:33:21 2013
Response via : Initial Calibration

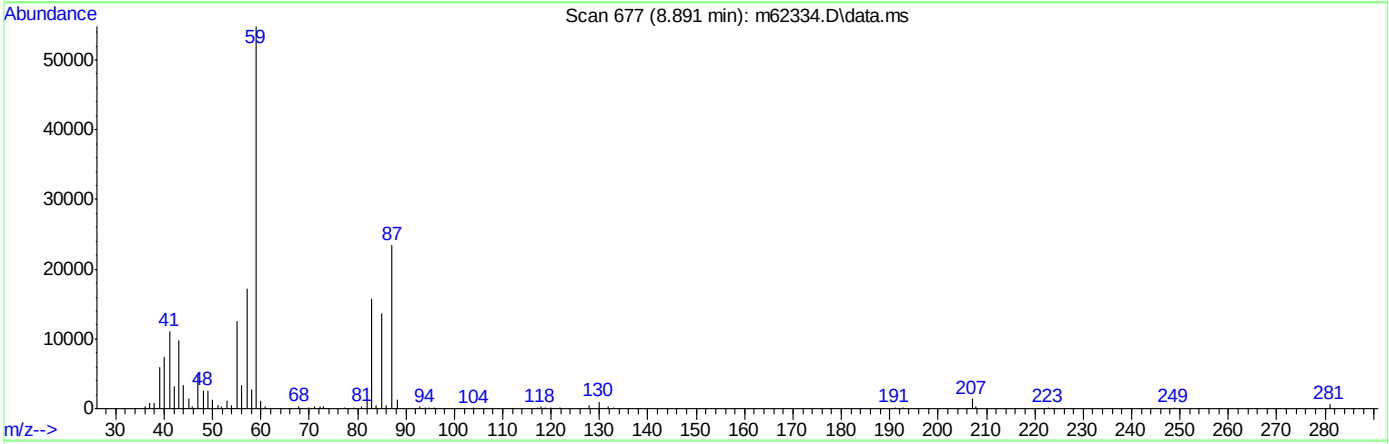


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62334.D
Acq On : 19 Dec 2013 7:24 pm
Operator : krystend
Sample : IC2178-20
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 20 08:33:38 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:33:21 2013
Response via : Initial Calibration





TIC: m62334.D\data.ms

(33) isobutyl alcohol (P)

8.891min (+0.007) 100.21ug/kg

response 55056

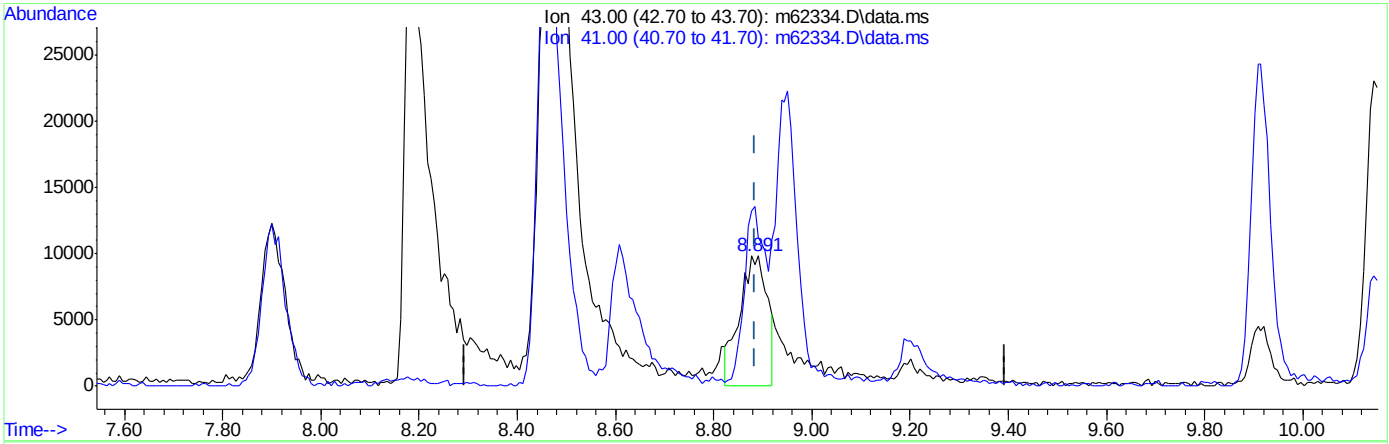
Ion	Exp%	Act%
43.00	100	100
41.00	142.20	116.83
0.00	0.00	0.00
0.00	0.00	0.00

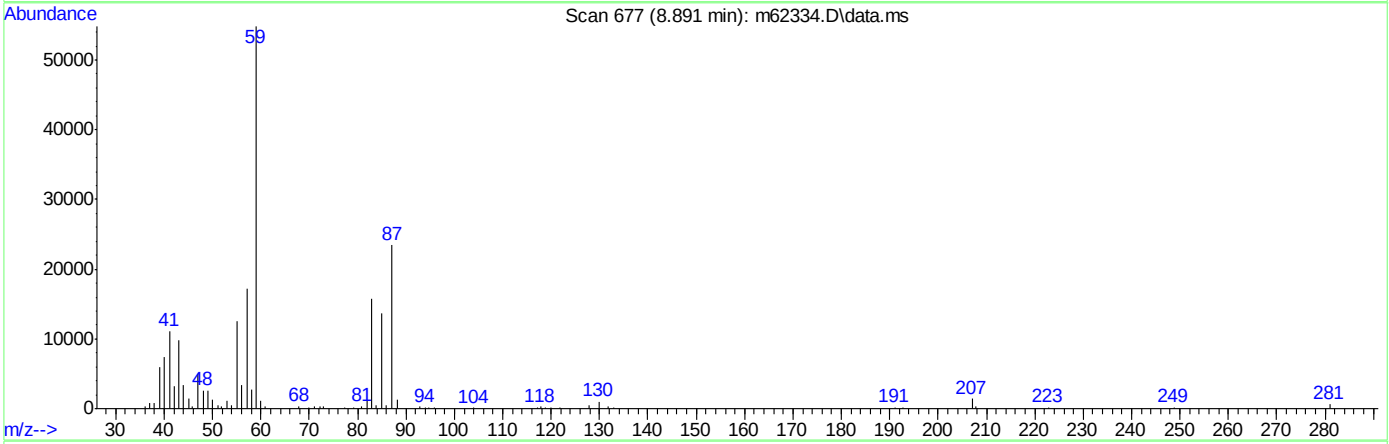
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62334.D
Acq On : 19 Dec 2013 7:24 pm
Operator : krystend
Sample : IC2178-20
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 20 08:33:38 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:33:21 2013
Response via : Initial Calibration





TIC: m62334.D\data.ms

(33) isobutyl alcohol (P)

8.891min (+0.007) 68.98ug/kg m

response 37896

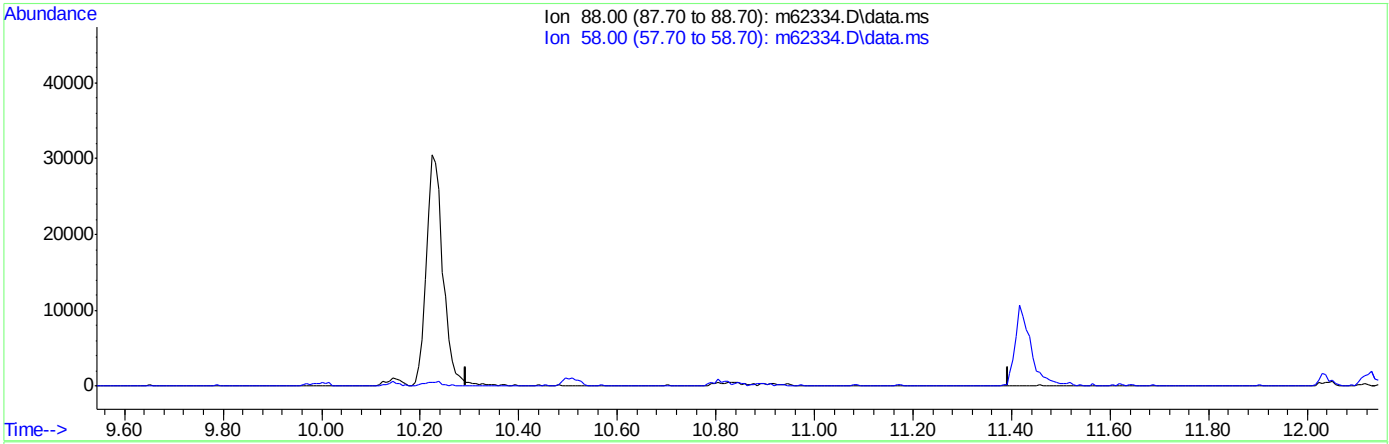
Ion	Exp%	Act%
43.00	100	100
41.00	142.20	113.72
0.00	0.00	0.00
0.00	0.00	0.00

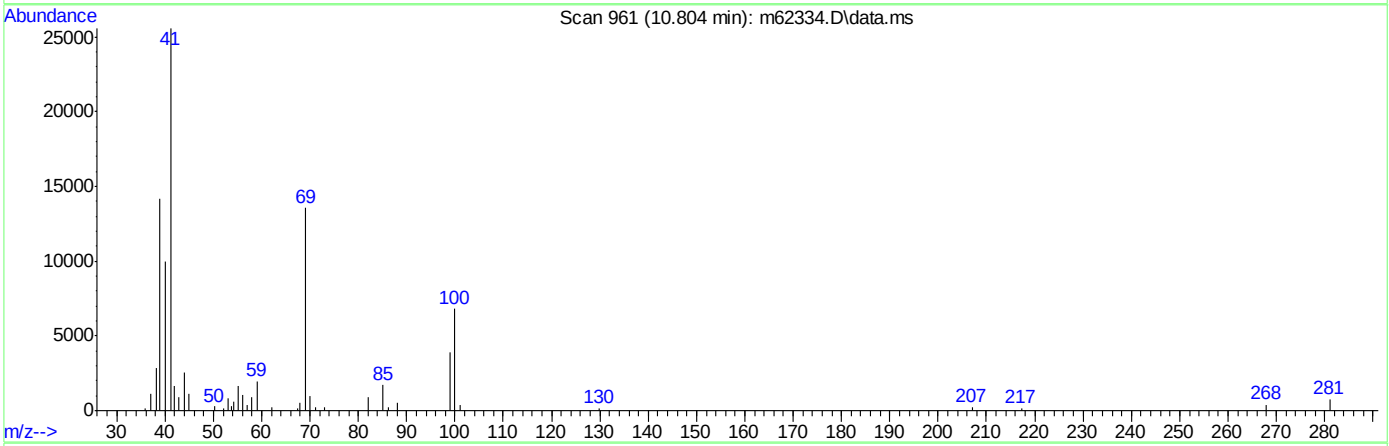
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62334.D
Acq On : 19 Dec 2013 7:24 pm
Operator : krystend
Sample : IC2178-20
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 20 08:33:38 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:33:21 2013
Response via : Initial Calibration





TIC: m62334.D\data.ms

(57) 1,4-dioxane (P)

10.804min (-10.804) 0.00ug/kg

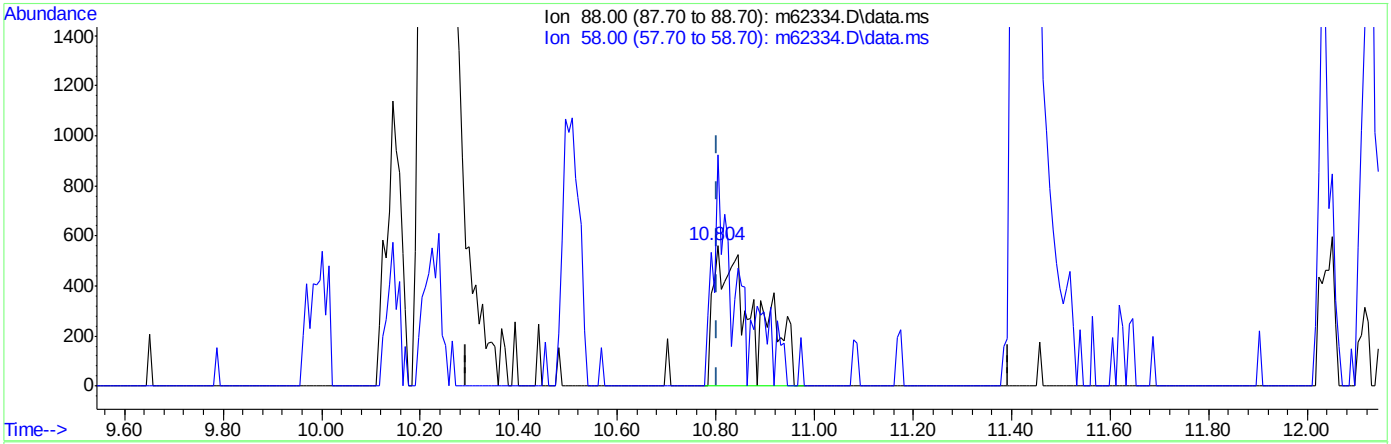
response 0

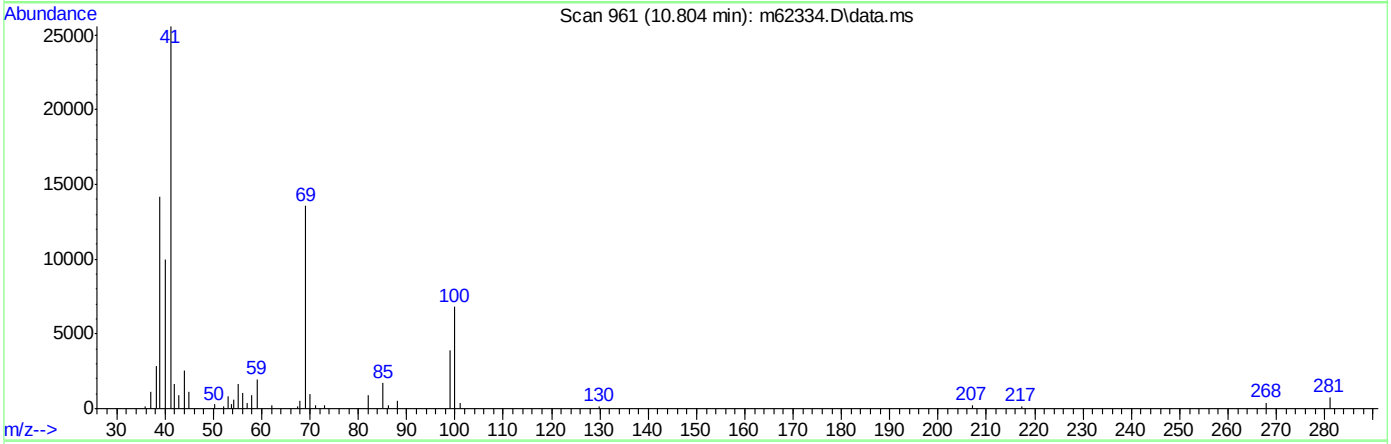
Ion	Exp%	Act%
88.00	100	0.00
58.00	68.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62334.D
Acq On : 19 Dec 2013 7:24 pm
Operator : krystend
Sample : IC2178-20
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 20 08:33:38 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:33:21 2013
Response via : Initial Calibration





TIC: m62334.D\data.ms

(57) 1,4-dioxane (P)

10.804min (-0.000) 94.70ug/kg m

response 3276

Ion	Exp%	Act%
88.00	100	100
58.00	68.90	164.48#
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC27146

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/20/13 10:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62335.D
Acq On : 19 Dec 2013 7:53 pm
Operator : krystend
Sample : ICC2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 10:01:00 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:36:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.850	65	115219	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	366223	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	533372	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	233249	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	316094	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	104377	24.90	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 49.80%#			
59) toluene-d8 (s)	12.037	98	284369	23.68	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 47.36%#			
81) bromofluorobenzene (s)	14.731	95	139193	25.90	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 51.80%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	247067	584.88	ug/kg	97
3) Ethanol	5.651	45	94209m	3858.53	ug/kg	
5) dichlorodifluoromethane	4.445	85	169280	56.63	ug/kg	100
6) chloromethane	4.707	50	234610	51.12	ug/kg	100
7) vinyl chloride	4.970	62	200642	54.77	ug/kg	100
8) bromomethane ...	5.489	96	174179	52.25	ug/kg	100
9) chloroethane	5.657	64	107188m	54.91	ug/kg	
10) ethyl ether	6.587	59	113957	47.59	ug/kg	100
11) acetonitrile	6.600	41	43398	58.10	ug/kg	100
12) trichlorofluoromethane	6.331	101	421639	54.66	ug/kg	100
13) freon-113	7.153	101	119952m	42.17	ug/kg	
14) acrolein	6.331	56	121345	287.66	ug/kg	100
15) 1,1-dichloroethene	6.951	96	126047m	40.35	ug/kg	
16) acetone	6.553	58	18677m	49.71	ug/kg	
17) Methyl Acetate	7.133	43	214664	56.22	ug/kg	100
18) methylene chloride	7.099	84	138998	50.92	ug/kg	100
19) methyl tert butyl ether	7.907	73	362507	48.44	ug/kg	100
20) acrylonitrile	7.011	53	69974	51.44	ug/kg	100
21) allyl chloride	7.200	41	235932	43.15	ug/kg	100
22) trans-1,2-dichloroethene	7.813	96	135695m	40.62	ug/kg	
23) iodomethane	7.011	142	323624	44.27	ug/kg	100
24) carbon disulfide	7.389	76	351279	42.79	ug/kg	100
25) propionitrile	8.156	54	25881	60.88	ug/kg	100
26) vinyl acetate	8.177	43	377084	54.24	ug/kg	100
27) chloroprene	8.446	53	260679	44.30	ug/kg	100
28) di-isopropyl ether	8.480	45	559544	46.69	ug/kg	100
29) methacrylonitrile	8.601	41	113814	39.02	ug/kg	100
30) 2-butanone	8.507	72	19956	57.67	ug/kg	99
31) 1,1-dichloroethane	8.069	63	258714	44.52	ug/kg	100
32) tert-butyl ethyl ether	8.884	59	409205	48.40	ug/kg	100
33) isobutyl alcohol	8.884	43	76507m	153.26	ug/kg	
34) 2,2-dichloropropane	8.945	77	183601	41.96	ug/kg	100
35) cis-1,2-dichloroethene	8.655	96	163909	43.07	ug/kg	100
36) ethyl acetate	8.884	43	110481	43.16	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62335.D
Acq On : 19 Dec 2013 7:53 pm
Operator : krystend
Sample : ICC2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 10:01:00 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:36:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	112014	45.35	ug/kg	100
38) chloroform	8.864	83	298557	44.78	ug/kg	100
40) Tetrahydrofuran	9.194	42	63477	51.50	ug/kg	100
41) 1,1,1-trichloroethane	9.632	97	270821	42.49	ug/kg	100
43) Cyclohexane	9.915	56	225080	42.78	ug/kg	100
44) carbon tetrachloride	9.995	117	312183	44.64	ug/kg	100
45) 1,1-dichloropropene	9.800	75	179485	43.56	ug/kg	100
46) benzene	10.029	78	517000	42.56	ug/kg	100
47) 1,2-dichloroethane	9.524	62	284647	49.06	ug/kg	100
48) tert-amyl methyl ether	10.144	73	311337	50.03	ug/kg	100
49) heptane	10.507	43	246979	44.13	ug/kg	100
50) trichloroethene	10.656	95	201924m	48.59	ug/kg	
51) 1,2-dichloropropane	10.622	63	144529	46.77	ug/kg	100
52) dibromomethane	10.595	93	122174	50.72	ug/kg	100
53) bromodichloromethane	10.710	83	255091	48.00	ug/kg	100
54) Methylcyclohexane	11.181	83	219856	43.55	ug/kg	100
55) 2-chloroethyl vinyl ether	11.080	63	51516	51.62	ug/kg	100
56) methyl methacrylate	10.797	69	102919	55.35	ug/kg	100
57) 1,4-dioxane	10.804	88	9573	288.41	ug/kg	100
58) cis-1,3-dichloropropene	11.329	75	246662	48.23	ug/kg	100
60) 4-methyl-2-pentanone	11.417	43	207367	54.73	ug/kg	100
61) toluene	12.111	92	371090	46.45	ug/kg	100
62) trans-1,3-dichloropropene	11.747	75	235283	49.34	ug/kg	100
63) 1,1,2-trichloroethane	11.922	83	115075	48.86	ug/kg	100
64) ethyl methacrylate	12.124	69	191290	52.27	ug/kg	100
66) tetrachloroethene	12.852	166	208998	43.99	ug/kg	100
67) 1,3-dichloropropane	12.165	76	228578	49.80	ug/kg	100
68) dibromochloromethane	12.454	129	272947	50.27	ug/kg	100
69) 1,2-dibromoethane	12.710	107	187338	51.40	ug/kg	100
70) 2-hexanone	12.279	43	155812	54.20	ug/kg	100
71) chlorobenzene	13.539	112	544669	46.79	ug/kg	100
72) 1,1,1,2-tetrachloroethane	13.458	131	249724	48.62	ug/kg	100
73) ethylbenzene	13.707	91	735889	45.69	ug/kg	100
74) m,p-xylene	13.896	106	656517	93.90	ug/kg	100
75) o-xylene	14.307	106	337232	46.89	ug/kg	100
76) styrene	14.233	104	542198	48.75	ug/kg	100
77) bromoform	14.064	173	200885	52.34	ug/kg	100
78) trans-1,4-dichloro-2-b...	14.455	53	89616	56.66	ug/kg	100
80) isopropylbenzene	14.671	105	900000	44.81	ug/kg	100
82) bromobenzene	14.967	156	269415	46.46	ug/kg	100
83) 1,1,2,2-tetrachloroethane	14.314	83	214014	51.01	ug/kg	100
84) 1,2,3-trichloropropane	14.462	75	245804	51.99	ug/kg	100
85) n-propylbenzene	15.115	91	922324	45.09	ug/kg	100
86) 2-chlorotoluene	15.236	91	593317	44.87	ug/kg	100
87) 4-chlorotoluene	15.310	91	604465	46.28	ug/kg	99
88) 1,3,5-trimethylbenzene	15.391	105	787177	46.01	ug/kg	100
89) tert-butylbenzene	15.701	91	446434	46.25	ug/kg	100
90) 1,2,4-trimethylbenzene	15.802	105	780803	46.16	ug/kg	100
91) sec-butylbenzene	15.924	105	1022186	45.20	ug/kg	100
92) 1,3-dichlorobenzene	16.031	146	541519	45.94	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62335.D
Acq On : 19 Dec 2013 7:53 pm
Operator : krystend
Sample : ICC2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 10:01:00 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:36:34 2013
Response via : Initial Calibration

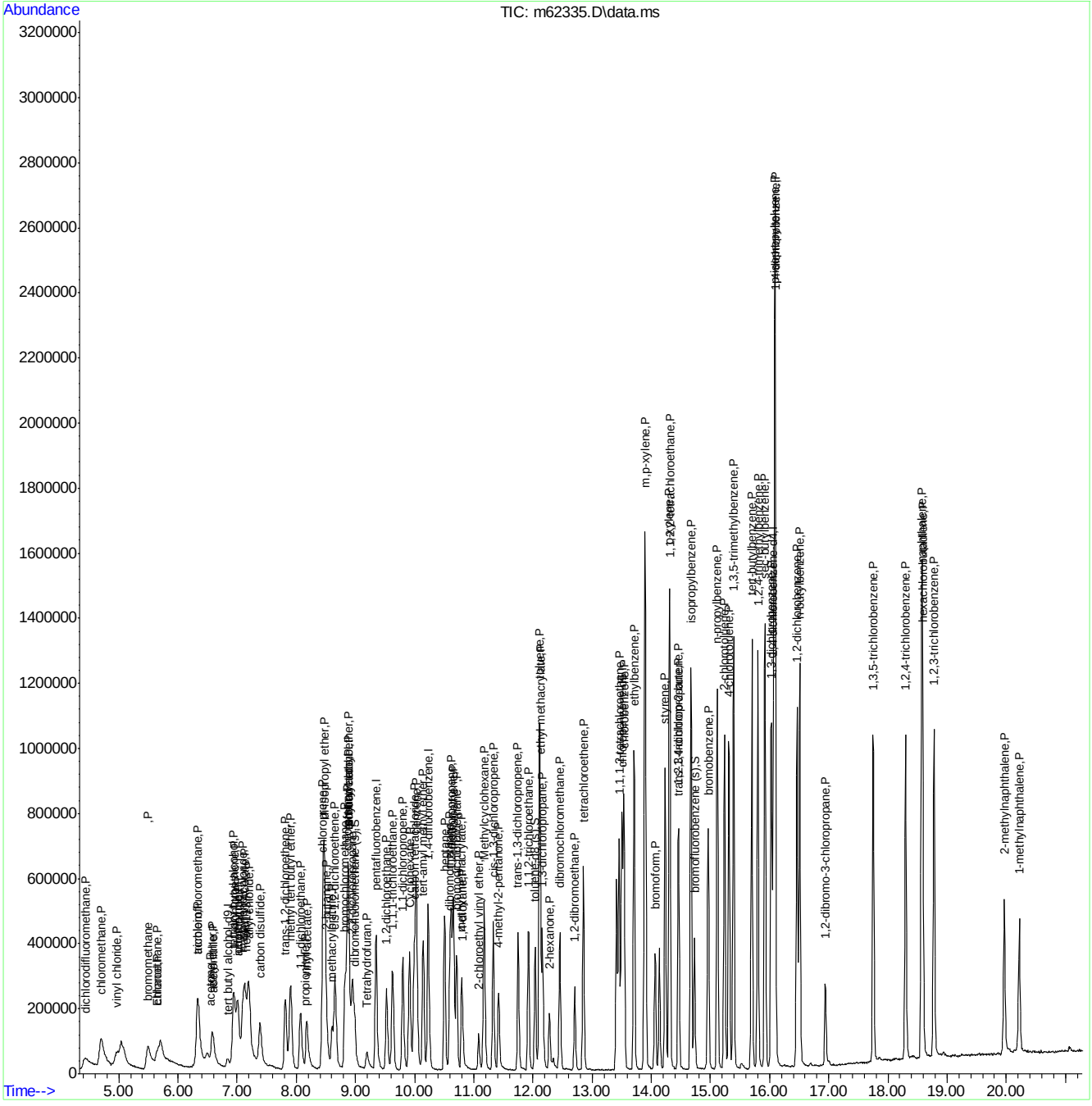
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.092	119	954353	45.49	ug/kg	100
94)	1,4-dichlorobenzene	16.099	146	556121	45.96	ug/kg	100
95)	1,2-dichlorobenzene	16.462	146	568095	47.43	ug/kg	100
96)	n-butylbenzene	16.510	91	720051	45.96	ug/kg	100
97)	1,2-dibromo-3-chloropr...	16.941	75	65429	54.21	ug/kg	100
98)	1,3,5-trichlorobenzene	17.749	180	371316	46.77	ug/kg	100
99)	1,2,4-trichlorobenzene	18.301	180	378845	47.47	ug/kg	100
100)	hexachlorobutadiene	18.591	225	183753	45.23	ug/kg	100
101)	naphthalene	18.571	128	1145726	50.92	ug/kg	100
102)	1,2,3-trichlorobenzene	18.780	180	381711	48.45	ug/kg	100
103)	2-methylnaphthalene	19.965	142	319059	26.03	ug/kg	100
104)	1-methylnaphthalene	20.221	TIC	946778	20.78	ug/kg	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62335.D
Acq On : 19 Dec 2013 7:53 pm
Operator : krystend
Sample : ICC2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

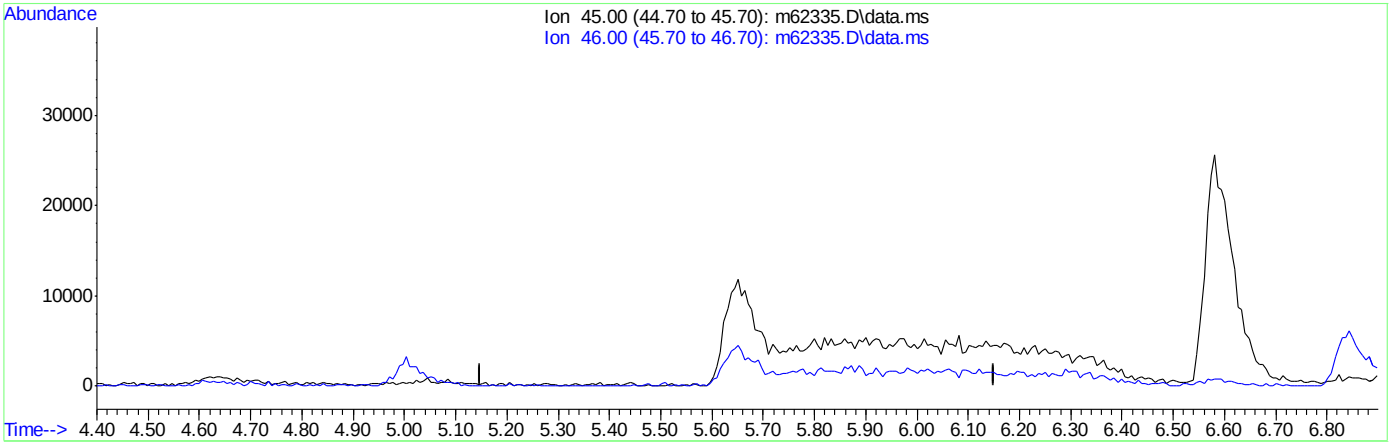
Quant Time: Dec 20 10:01:00 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:36:34 2013
Response via : Initial Calibration

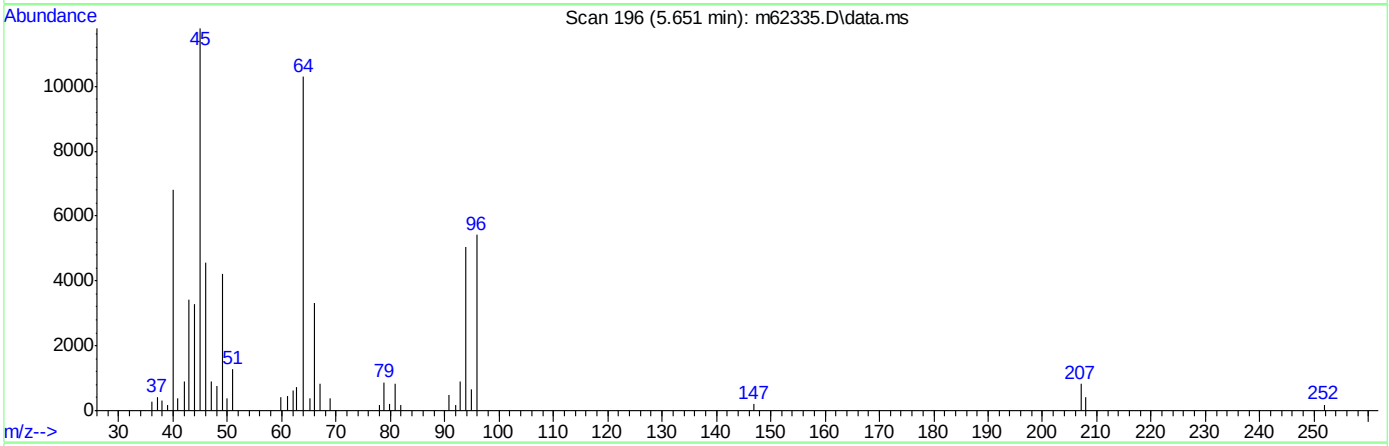


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62335.D
Acq On : 19 Dec 2013 7:53 pm
Operator : krystend
Sample : ICC2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 08:21:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62335.D\data.ms

(3) Ethanol (P)

5.650min (-5.650) 0.00ug/kg

response 0

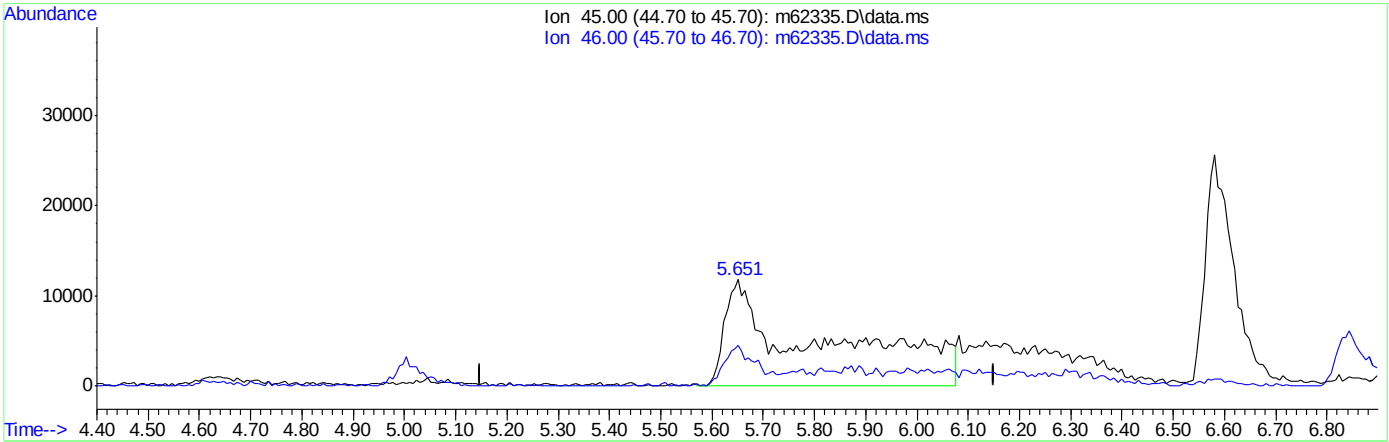
Ion	Exp%	Act%
45.00	100	0.00
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

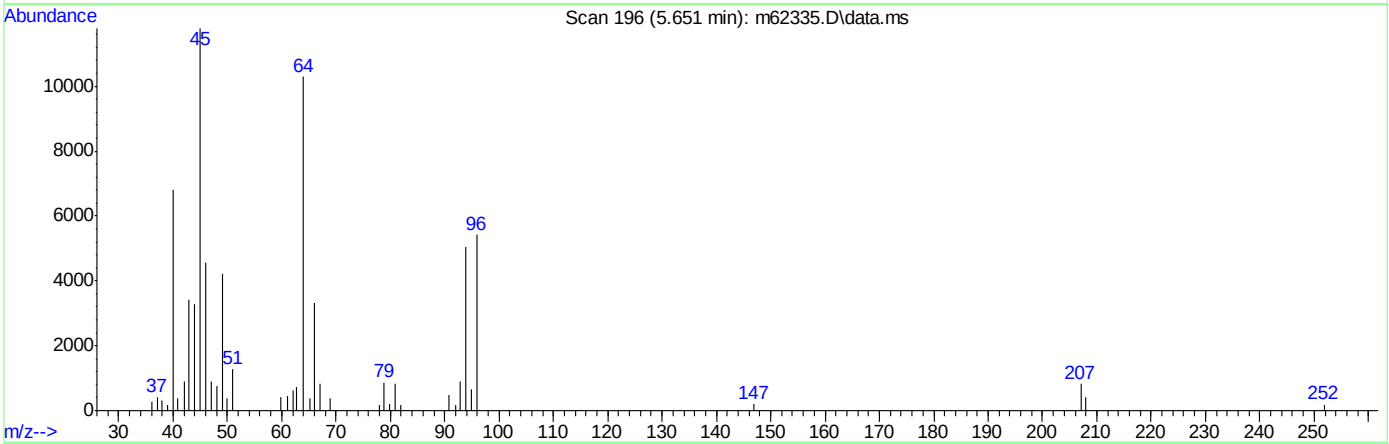
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62335.D
Acq On : 19 Dec 2013 7:53 pm
Operator : krystend
Sample : ICC2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 08:21:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62335.D\data.ms

(3) Ethanol (P)

5.651min (+0.001) 5073.02ug/kg m

response 148938

Ion	Exp%	Act%
45.00	100	100
46.00	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

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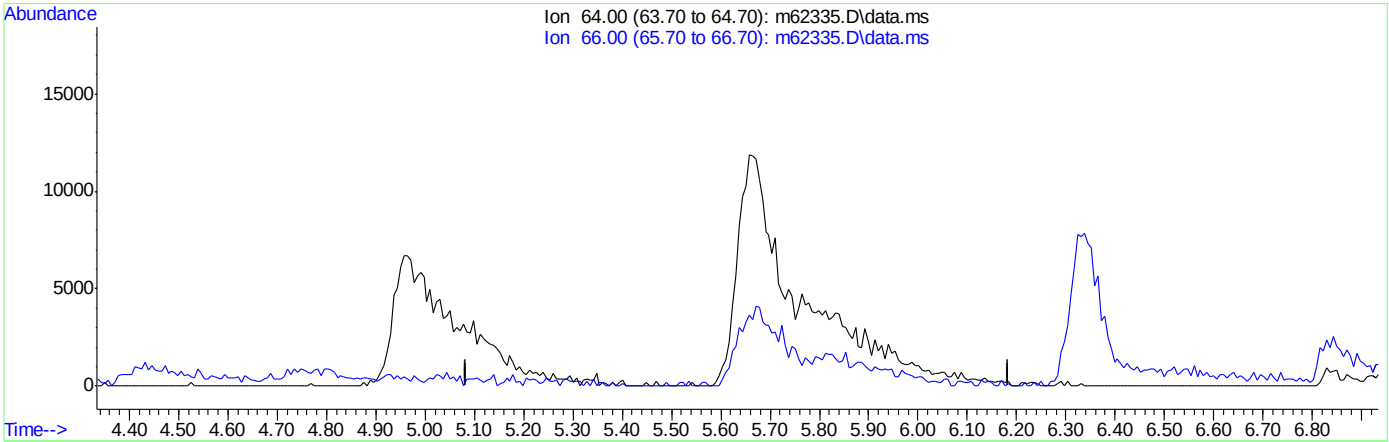
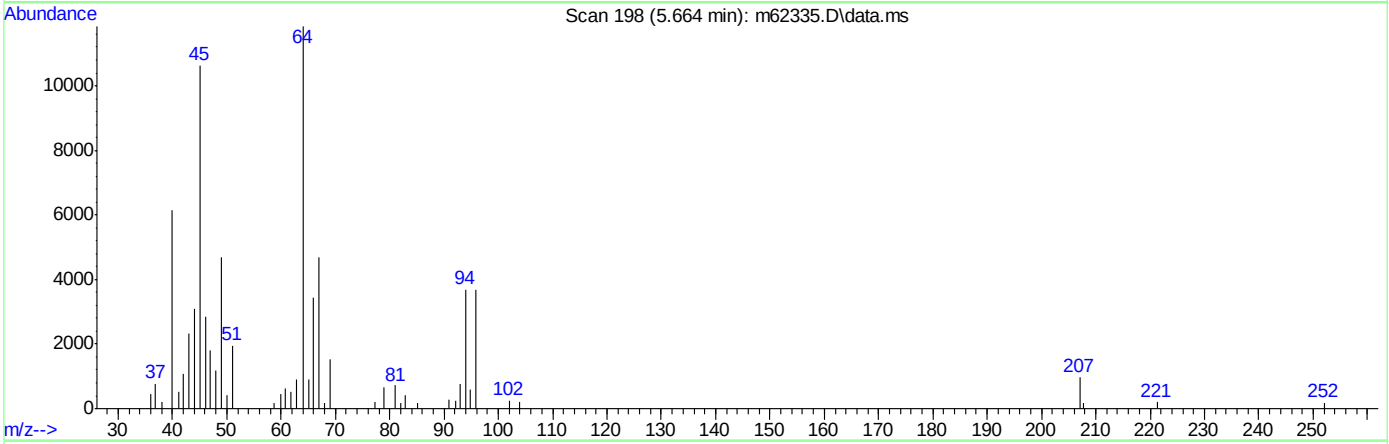
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62335.D
Acq On : 19 Dec 2013 7:53 pm
Operator : krystend
Sample : ICC2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 08:21:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62335.D\data.ms

(9) chloroethane (P)

5.664min (-5.664) 0.00ug/kg

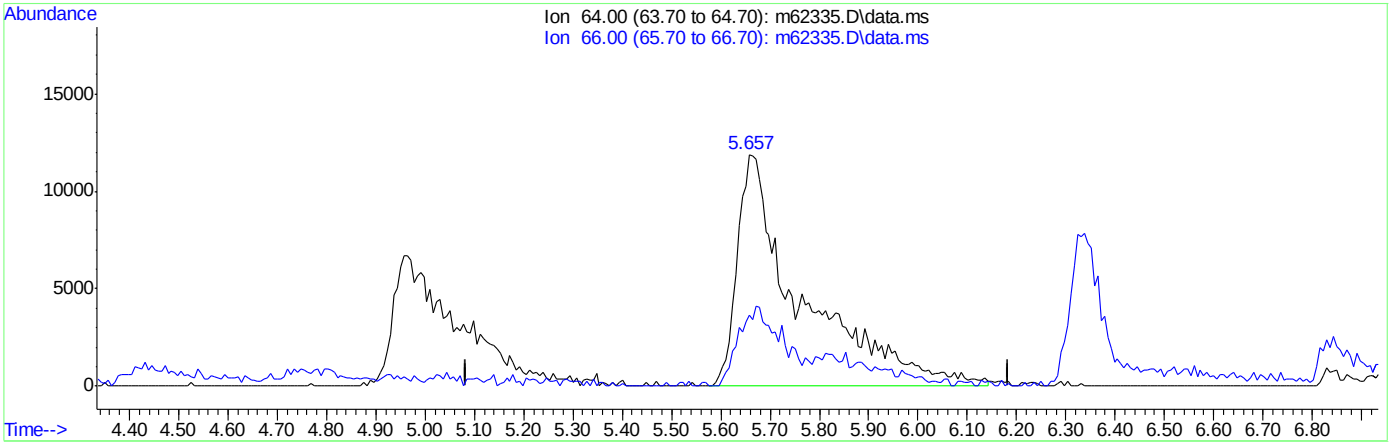
response 0

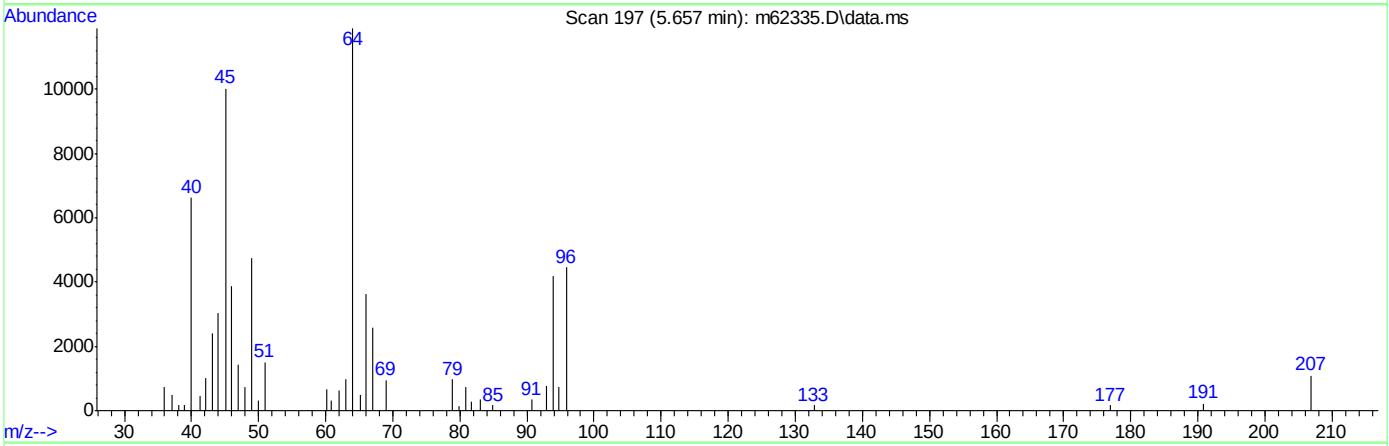
Ion	Exp%	Act%
64.00	100	0.00
66.00	28.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62335.D
Acq On : 19 Dec 2013 7:53 pm
Operator : krystend
Sample : ICC2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 08:21:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62335.D\data.ms

(9) chloroethane (P)

5.657min (-0.007) 43.05ug/kg m

response 107000

Ion	Exp%	Act%
64.00	100	100
66.00	28.60	30.43
0.00	0.00	0.00
0.00	0.00	0.00

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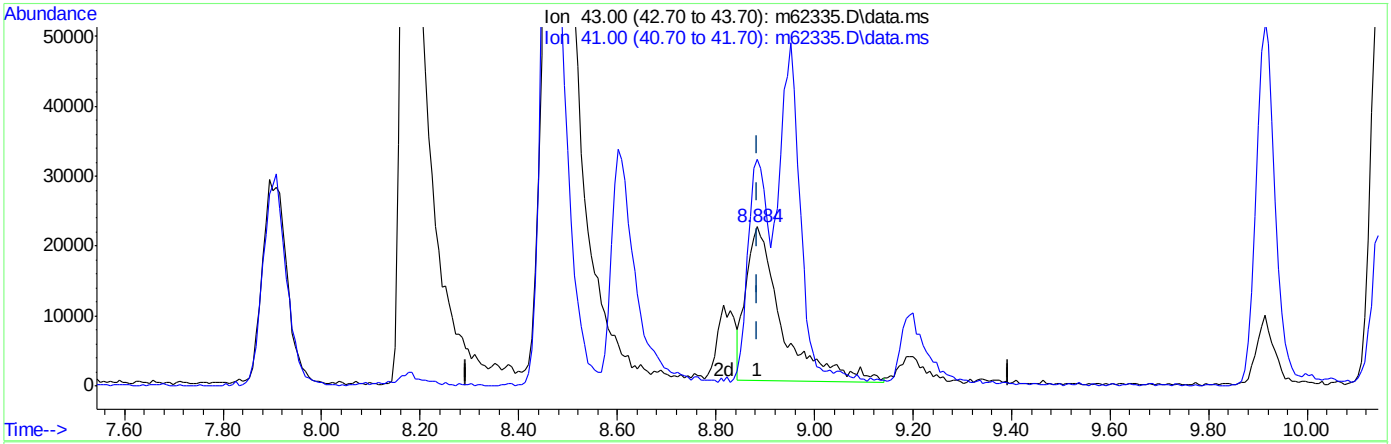
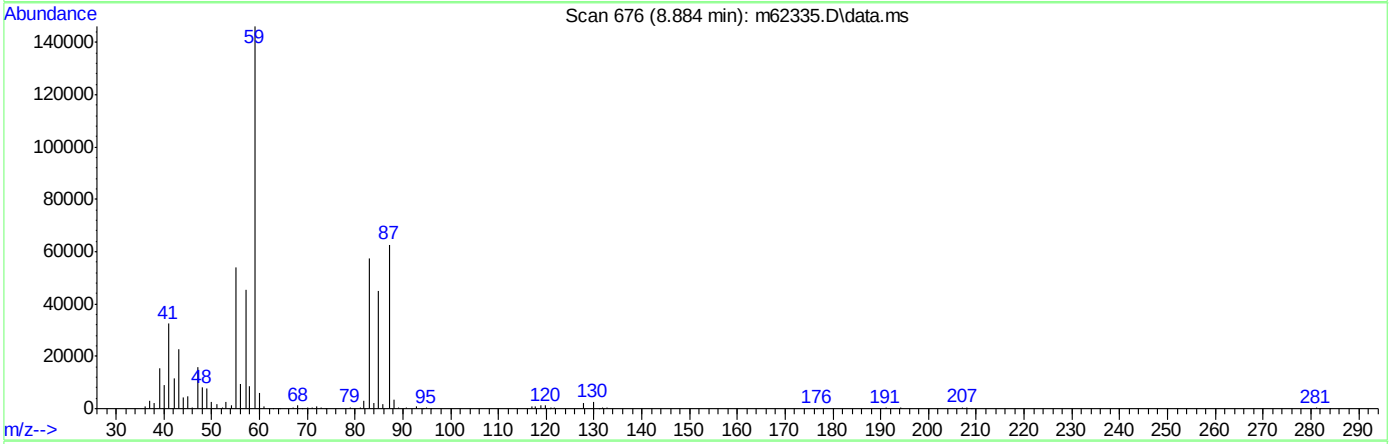
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62335.D
Acq On : 19 Dec 2013 7:53 pm
Operator : krystend
Sample : ICC2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 08:21:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62335.D\data.ms

(33) isobutyl alcohol (P)

8.884min (0.000) 270.38ug/kg

response 110552

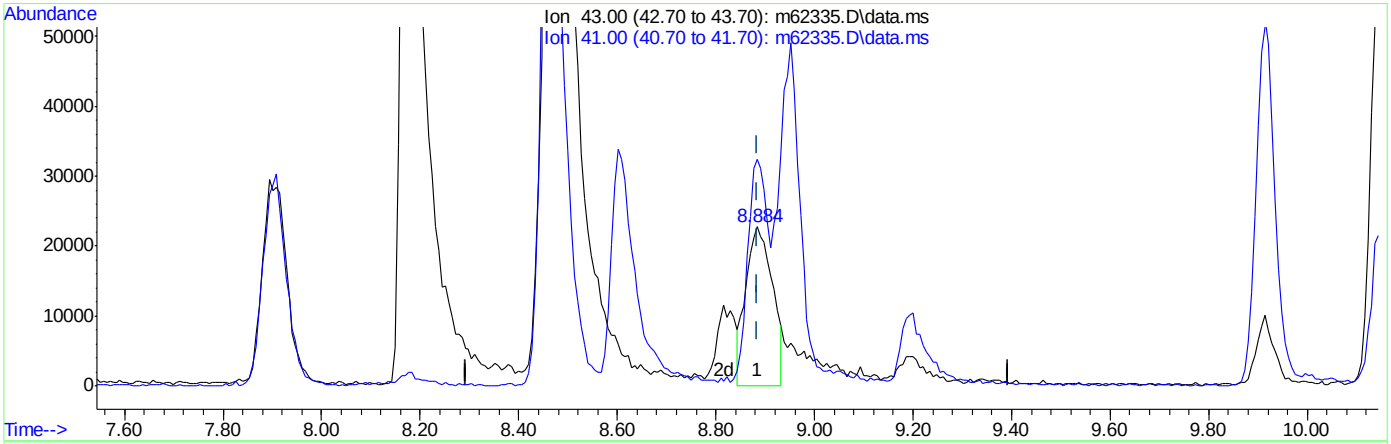
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	145.73
0.00	0.00	0.00
0.00	0.00	0.00

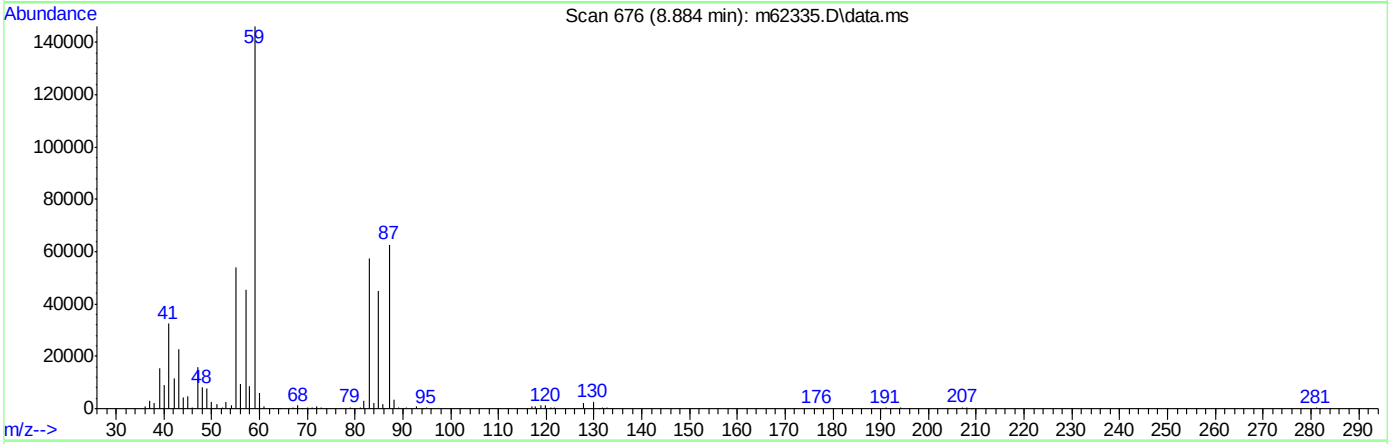
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62335.D
Acq On : 19 Dec 2013 7:53 pm
Operator : krystend
Sample : ICC2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 08:21:27 2013
Quant Method : C:\msdchem\1\methods\M131211S.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 12 09:23:12 2013
Response via : Initial Calibration





TIC: m62335.D\data.ms

(33) isobutyl alcohol (P)

8.884min (0.000) 206.82ug/kg m

response 84562

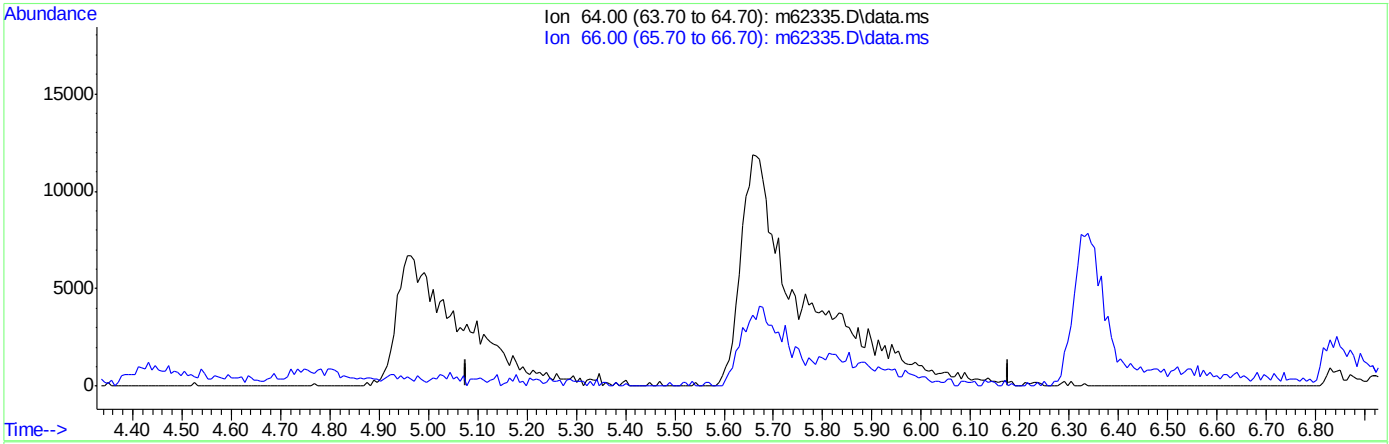
Ion	Exp%	Act%
43.00	100	100
41.00	151.70	142.17
0.00	0.00	0.00
0.00	0.00	0.00

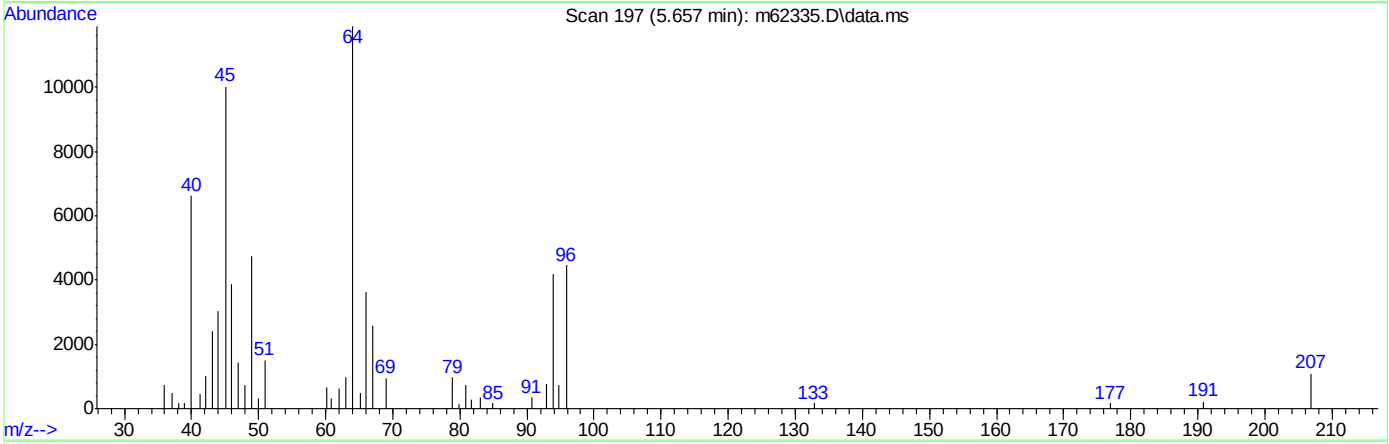
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62335.D
Acq On : 19 Dec 2013 7:53 pm
Operator : krystend
Sample : ICC2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 08:36:43 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:36:34 2013
Response via : Initial Calibration





TIC: m62335.D\data.ms

(9) chloroethane (P)

5.657min (-5.657) 0.00ug/kg

response 0

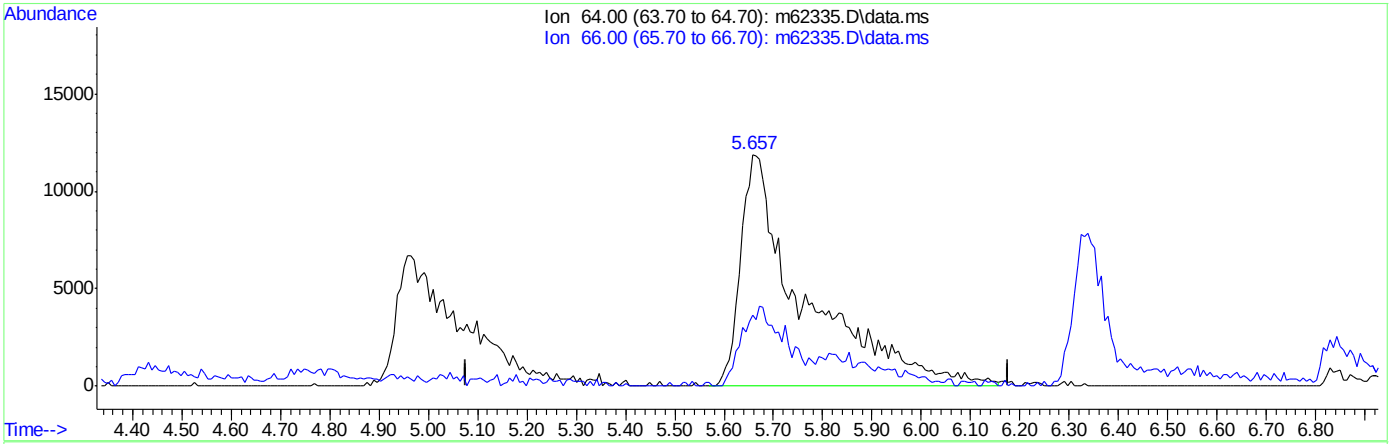
Ion	Exp%	Act%
64.00	100	0.00
66.00	30.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

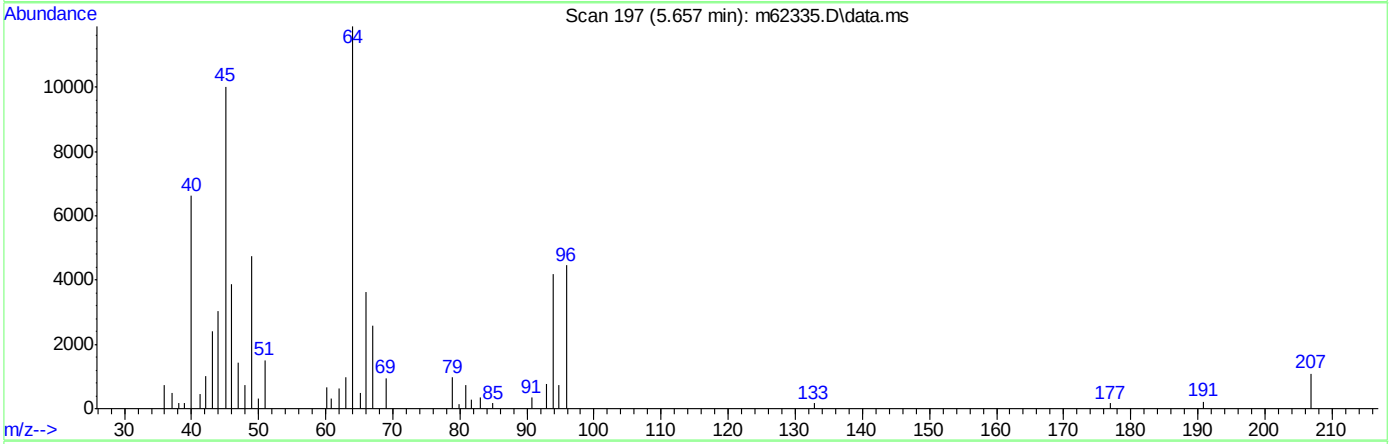
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62335.D
Acq On : 19 Dec 2013 7:53 pm
Operator : krystend
Sample : ICC2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 08:36:43 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:36:34 2013
Response via : Initial Calibration





TIC: m62335.D\data.ms

(9) chloroethane (P)

5.657min (0.000) 54.91ug/kg m

response 107188

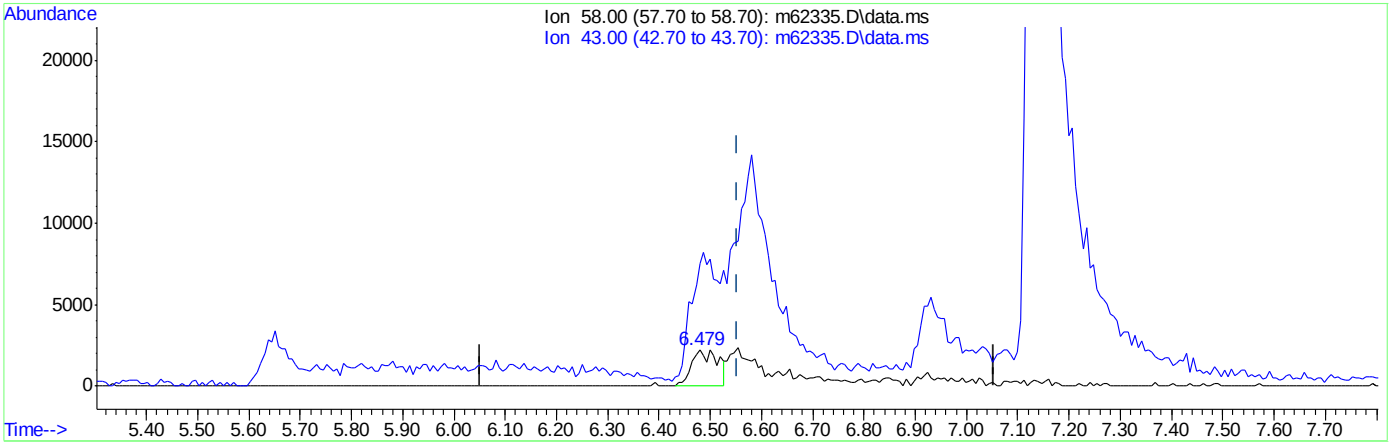
Ion	Exp%	Act%
64.00	100	100
66.00	30.40	30.43
0.00	0.00	0.00
0.00	0.00	0.00

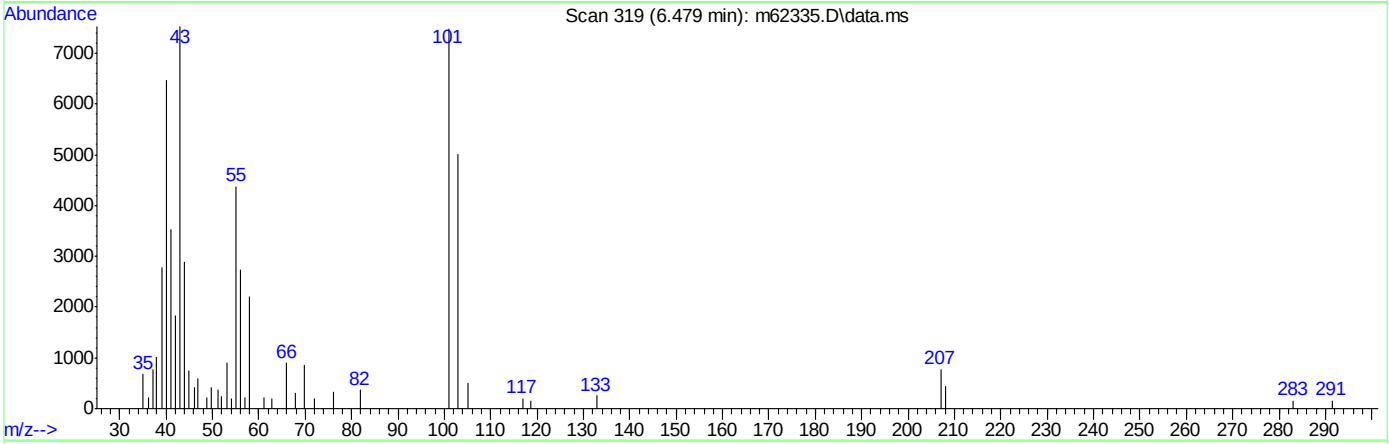
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62335.D
Acq On : 19 Dec 2013 7:53 pm
Operator : krystend
Sample : ICC2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 08:36:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:36:34 2013
Response via : Initial Calibration





TIC: m62335.D\data.ms

(16) acetone (P)

6.479min (-0.074) 20.95ug/kg

response 7872

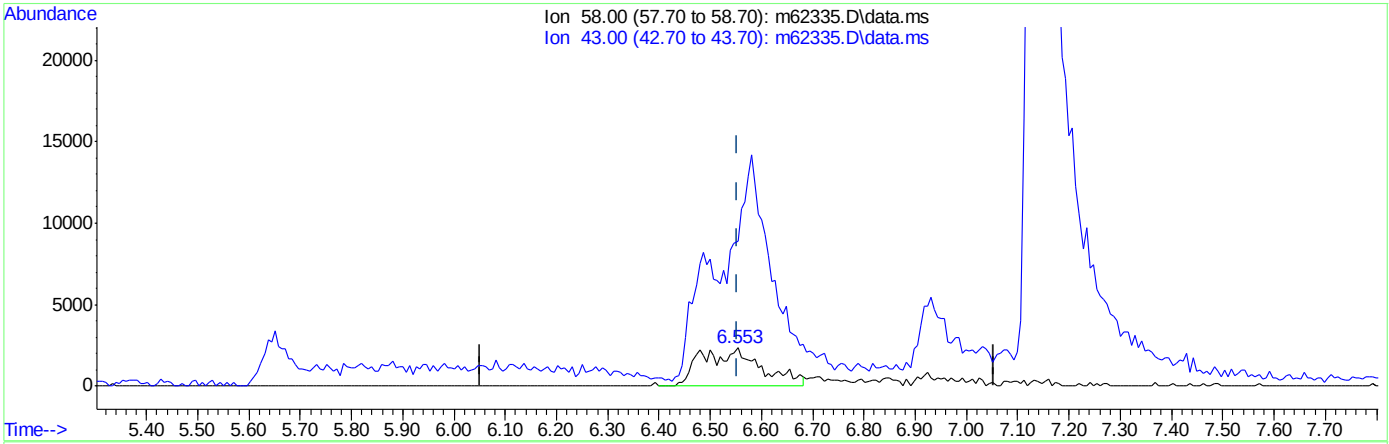
Ion	Exp%	Act%
58.00	100	100
43.00	365.80	316.52#
0.00	0.00	0.00
0.00	0.00	0.00

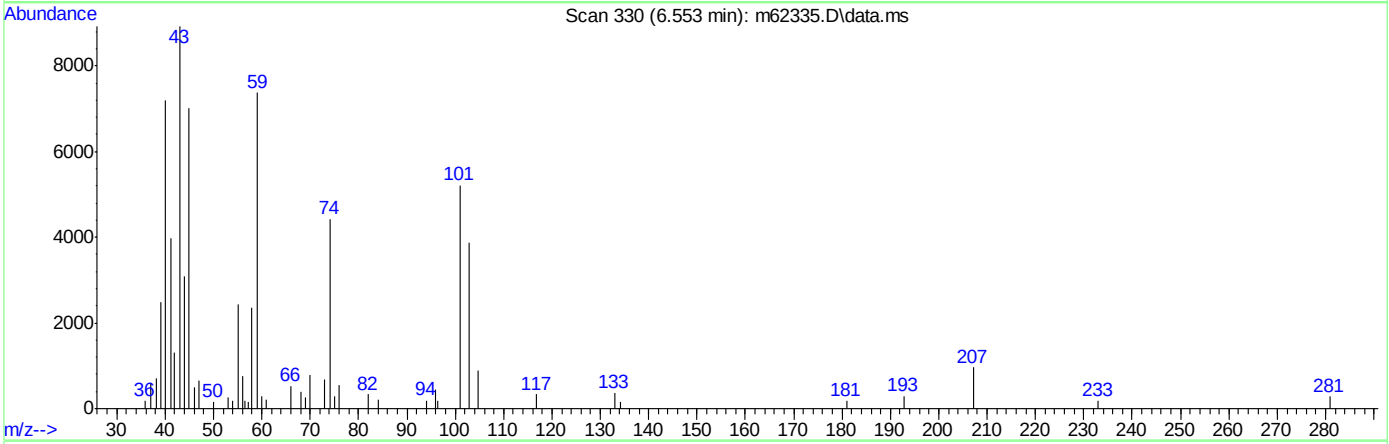
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62335.D
Acq On : 19 Dec 2013 7:53 pm
Operator : krystend
Sample : ICC2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 08:36:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:36:34 2013
Response via : Initial Calibration





TIC: m62335.D\data.ms

(16) acetone (P)

6.553min (0.000) 49.71ug/kg m

response 18677

Ion	Exp%	Act%
58.00	100	100
43.00	365.80	380.14
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC27146

M62336.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski 12/20/13 10:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62336.D
Acq On : 19 Dec 2013 8:22 pm
Operator : krystend
Sample : IC2178-100
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 10:01:16 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:34:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	117095	500.00	ug/kg	-0.01
4) pentafluorobenzene	9.349	168	372942	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	552435	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	252967	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	327410	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	264792	52.99	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.98%			
59) toluene-d8 (s)	12.036	98	723158	48.90	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.80%			
81) bromofluorobenzene (s)	14.731	95	361183	56.39	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.78%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	463786	1031.24	ug/kg	92
3) Ethanol	5.637	45	204989m	9433.96	ug/kg	
5) dichlorodifluoromethane	4.438	85	306581	95.50	ug/kg	99
6) chloromethane	4.707	50	440095	88.12	ug/kg	94
7) vinyl chloride	4.970	62	370356	96.22	ug/kg	98
8) bromomethane ...	5.495	96	327086	92.07	ug/kg	96
9) chloroethane	5.671	64	200249m	98.31	ug/kg	
10) ethyl ether	6.587	59	224833	86.69	ug/kg	89
11) acetonitrile	6.587	41	68582	87.10	ug/kg	86
12) trichlorofluoromethane	6.337	101	790448	96.90	ug/kg	93
13) freon-113	7.139	101	237716m	71.92	ug/kg	
14) acrolein	6.337	56	228904	557.67	ug/kg	99
15) 1,1-dichloroethene	6.944	96	233083m	63.58	ug/kg	
16) acetone	6.459	58	35980	88.58	ug/kg#	53
17) Methyl Acetate	7.126	43	456260	128.56	ug/kg	93
18) methylene chloride	7.105	84	265717m	77.10	ug/kg	
19) methyl tert butyl ether	7.900	73	697369	85.30	ug/kg	96
20) acrylonitrile	7.004	53	154825	117.79	ug/kg	95
21) allyl chloride	7.193	41	445486	71.29	ug/kg	98
22) trans-1,2-dichloroethene	7.813	96	261969	67.50	ug/kg	93
23) iodomethane	7.004	142	618354	75.02	ug/kg	96
24) carbon disulfide	7.388	76	665141m	70.61	ug/kg	
25) propionitrile	8.149	54	54667	149.23	ug/kg	100
26) vinyl acetate	8.170	43	753235	109.35	ug/kg	99
27) chloroprene	8.446	53	487860	72.94	ug/kg	98
28) di-isopropyl ether	8.480	45	1070486	81.96	ug/kg	94
29) methacrylonitrile	8.601	41	223465	65.08	ug/kg	99
30) 2-butanone	8.493	72	38512	118.09	ug/kg#	44
31) 1,1-dichloroethane	8.075	63	489021	74.23	ug/kg	97
32) tert-butyl ethyl ether	8.884	59	784579	85.34	ug/kg	98
33) isobutyl alcohol	8.884	43	146218m	249.52	ug/kg	
34) 2,2-dichloropropane	8.944	77	348770	68.03	ug/kg	97
35) cis-1,2-dichloroethene	8.655	96	321116m	74.65	ug/kg	
36) ethyl acetate	8.884	43	225416m	74.27	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62336.D
Acq On : 19 Dec 2013 8:22 pm
Operator : krystend
Sample : IC2178-100
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 10:01:16 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:34:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	217717	79.71	ug/kg	96
38) chloroform	8.864	83	558787	74.19	ug/kg	98
40) Tetrahydrofuran	9.187	42	116744	88.56	ug/kg	97
41) 1,1,1-trichloroethane	9.625	97	514879	69.43	ug/kg	96
43) Cyclohexane	9.914	56	434414m	69.62	ug/kg	
44) carbon tetrachloride	9.995	117	574618	69.21	ug/kg	99
45) 1,1-dichloropropene	9.800	75	338443	70.29	ug/kg	95
46) benzene	10.029	78	978245m	70.37	ug/kg	
47) 1,2-dichloroethane	9.524	62	536425	81.44	ug/kg	98
48) tert-amyl methyl ether	10.143	73	580934	83.12	ug/kg	97
49) heptane	10.507	43	454804	68.91	ug/kg	99
50) trichloroethene	10.655	95	415274m	85.78	ug/kg	
51) 1,2-dichloropropane	10.622	63	275026	79.46	ug/kg	99
52) dibromomethane	10.595	93	234107	88.09	ug/kg	95
53) bromodichloromethane	10.709	83	484281	80.61	ug/kg	99
54) Methylcyclohexane	11.174	83	411280	69.33	ug/kg	97
55) 2-chloroethyl vinyl ether	11.080	63	100801	93.93	ug/kg	98
56) methyl methacrylate	10.797	69	202299	107.61	ug/kg	96
57) 1,4-dioxane	10.797	88	17670	497.56	ug/kg	64
58) cis-1,3-dichloropropene	11.329	75	483656	86.23	ug/kg	98
60) 4-methyl-2-pentanone	11.417	43	405632	101.72	ug/kg	100
61) toluene	12.110	92	701637	78.40	ug/kg	90
62) trans-1,3-dichloropropene	11.753	75	468109	90.52	ug/kg	98
63) 1,1,2-trichloroethane	11.922	83	226479	87.70	ug/kg	91
64) ethyl methacrylate	12.117	69	383218	102.63	ug/kg	95
66) tetrachloroethene	12.851	166	389713	65.18	ug/kg	97
67) 1,3-dichloropropane	12.158	76	439991	79.67	ug/kg	94
68) dibromochloromethane	12.454	129	537232	81.77	ug/kg	100
69) 1,2-dibromoethane	12.710	107	365401	83.67	ug/kg	95
70) 2-hexanone	12.279	43	297324	87.51	ug/kg	99
71) chlorobenzene	13.539	112	1043330	72.24	ug/kg	97
72) 1,1,1,2-tetrachloroethane	13.458	131	477723	75.17	ug/kg	96
73) ethylbenzene	13.707	91	1436216	71.89	ug/kg	98
74) m,p-xylene	13.896	106	1273126	147.25	ug/kg	100
75) o-xylene	14.307	106	656906	74.30	ug/kg	100
76) styrene	14.232	104	1029065	75.79	ug/kg	98
77) bromoform	14.064	173	384021	83.19	ug/kg	97
78) trans-1,4-dichloro-2-b...	14.455	53	176004	94.04	ug/kg	98
80) isopropylbenzene	14.670	105	1741409	75.89	ug/kg	99
82) bromobenzene	14.960	156	522850	79.82	ug/kg	98
83) 1,1,2,2-tetrachloroethane	14.313	83	424129	94.61	ug/kg	97
84) 1,2,3-trichloropropane	14.461	75	492557	98.14	ug/kg	98
85) n-propylbenzene	15.115	91	1766579	75.77	ug/kg	100
86) 2-chlorotoluene	15.236	91	1155283	76.79	ug/kg	97
87) 4-chlorotoluene	15.310	91	1143359	77.10	ug/kg	96
88) 1,3,5-trimethylbenzene	15.391	105	1521987	78.89	ug/kg	99
89) tert-butylbenzene	15.701	91	847875	77.33	ug/kg	96
90) 1,2,4-trimethylbenzene	15.802	105	1507810	79.05	ug/kg	99
91) sec-butylbenzene	15.923	105	1955835	75.81	ug/kg	99
92) 1,3-dichlorobenzene	16.031	146	1034881	76.76	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62336.D
Acq On : 19 Dec 2013 8:22 pm
Operator : krystend
Sample : IC2178-100
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 10:01:16 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:34:23 2013
Response via : Initial Calibration

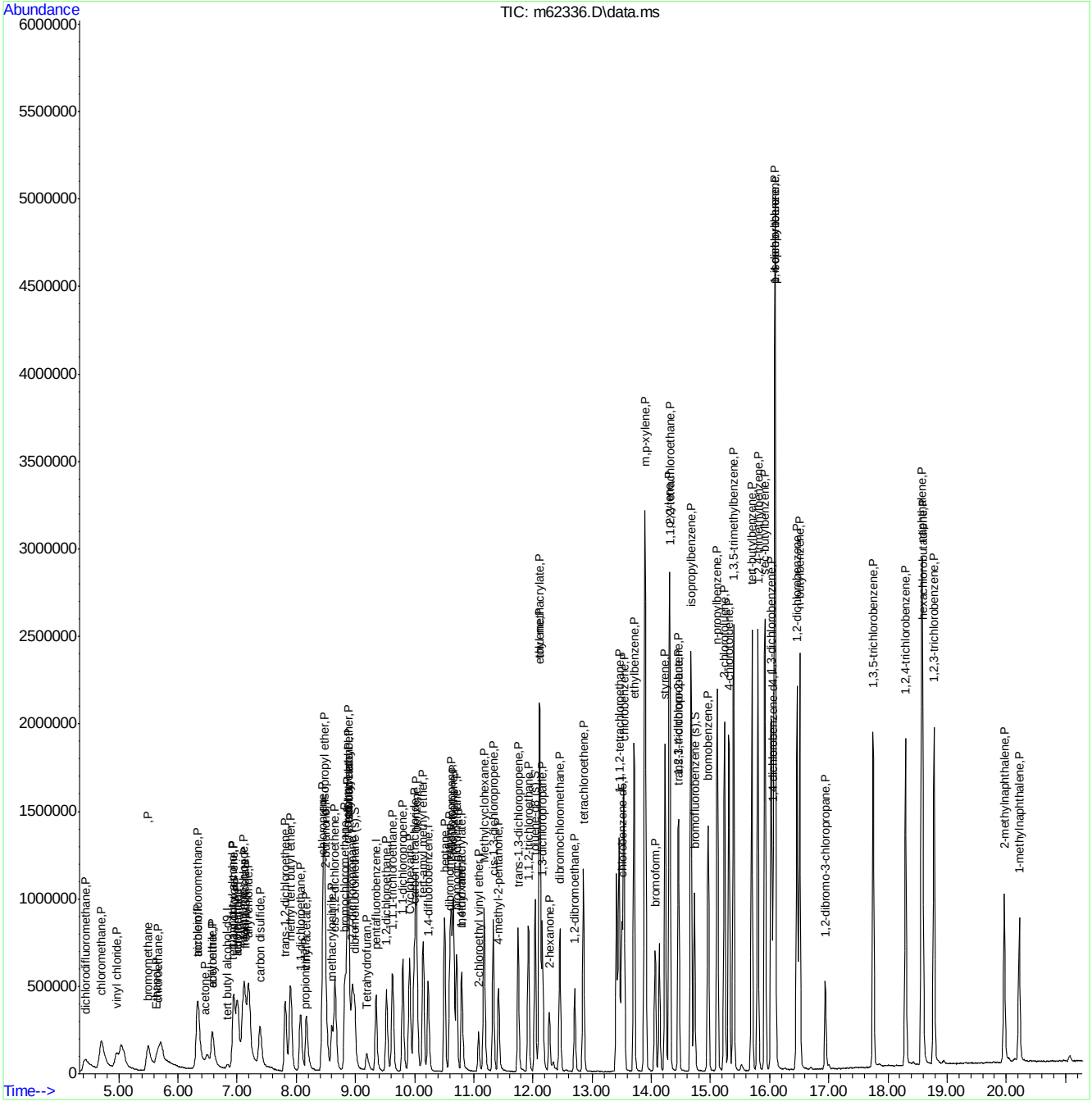
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	1866287	78.19	ug/kg	99
94) 1,4-dichlorobenzene	16.092	146	1063405	76.39	ug/kg	99
95) 1,2-dichlorobenzene	16.462	146	1085504	80.11	ug/kg	98
96) n-butylbenzene	16.509	91	1366361	76.46	ug/kg	98
97) 1,2-dibromo-3-chloropr...	16.940	75	122543	91.78	ug/kg	96
98) 1,3,5-trichlorobenzene	17.749	180	689026	75.06	ug/kg	99
99) 1,2,4-trichlorobenzene	18.301	180	718702	78.71	ug/kg	99
100) hexachlorobutadiene	18.591	225	343411	72.24	ug/kg	98
101) naphthalene	18.571	128	2267860	93.56	ug/kg	100
102) 1,2,3-trichlorobenzene	18.779	180	729597	82.42	ug/kg	95
103) 2-methylnaphthalene	19.965	142	636766	49.27	ug/kg	99
104) 1-methylnaphthalene	20.221	TIC	1862738	34.49	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62336.D
Acq On : 19 Dec 2013 8:22 pm
Operator : krystend
Sample : IC2178-100
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

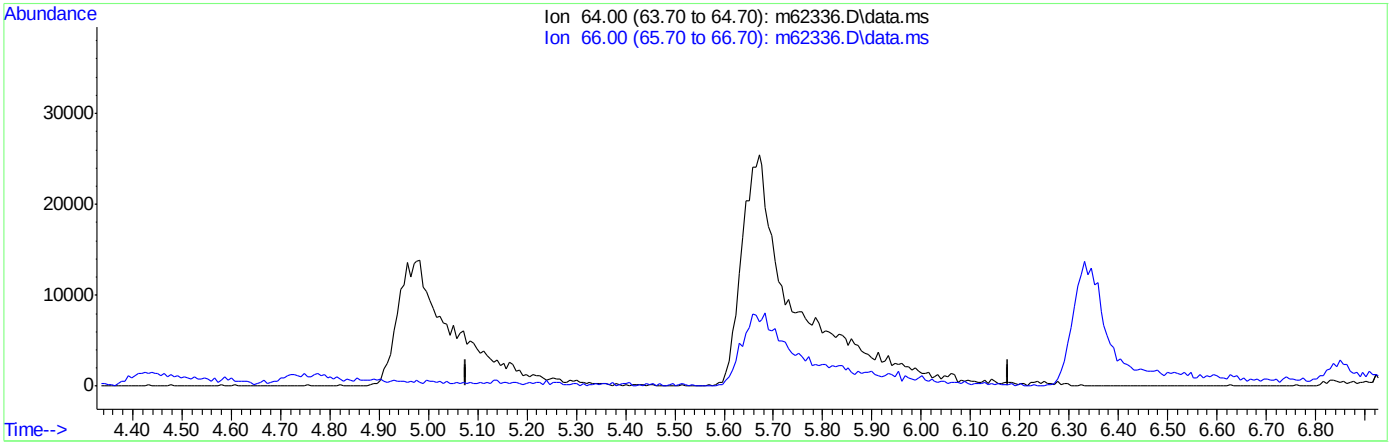
Quant Time: Dec 20 10:01:16 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:34:23 2013
Response via : Initial Calibration

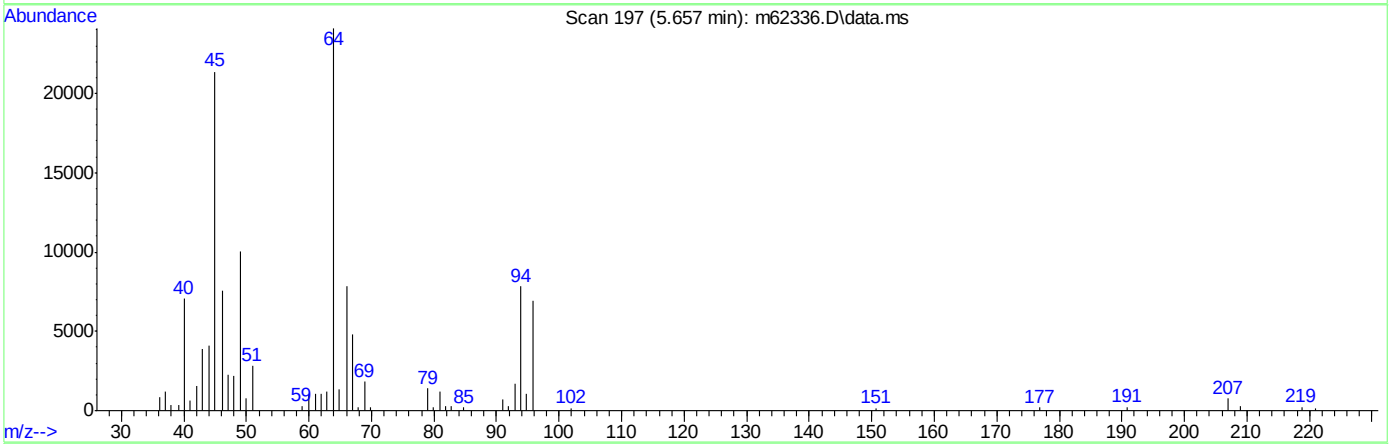


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62336.D
Acq On : 19 Dec 2013 8:22 pm
Operator : krystend
Sample : IC2178-100
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 08:34:34 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:34:23 2013
Response via : Initial Calibration





TIC: m62336.D\data.ms

(9) chloroethane (P)

5.657min (-5.657) 0.00ug/kg

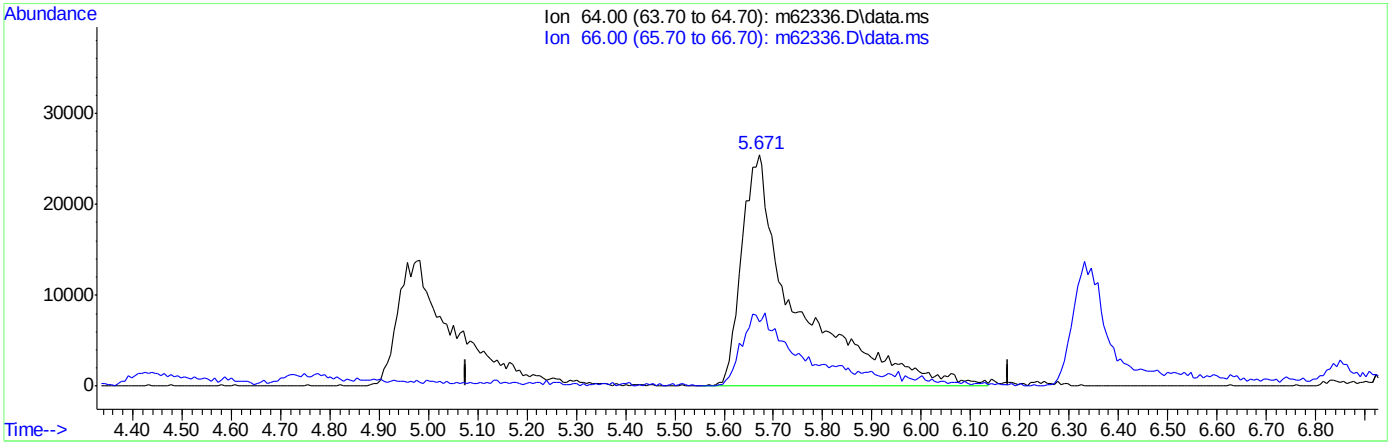
response 0

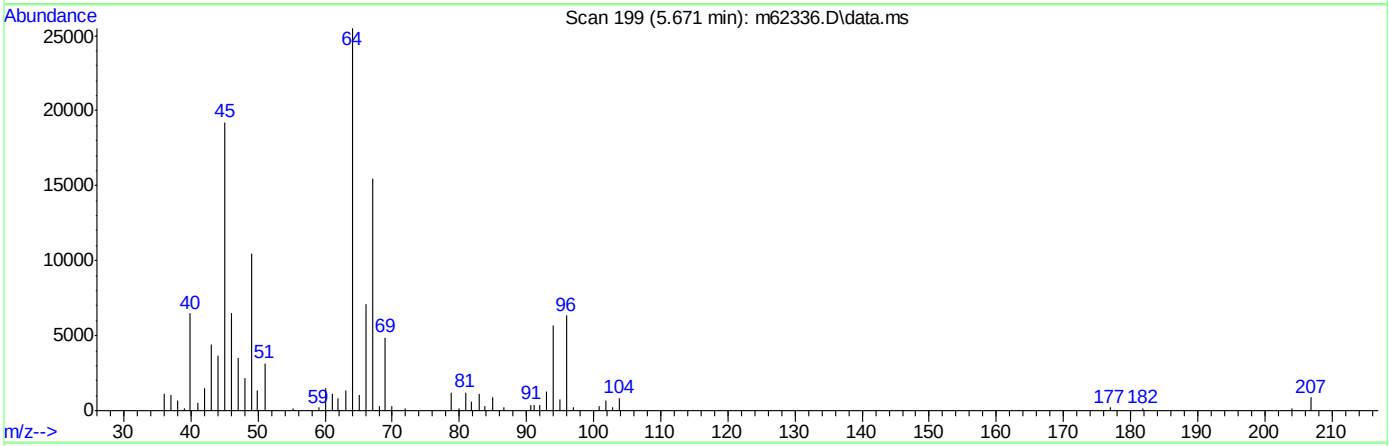
Ion	Exp%	Act%
64.00	100	0.00
66.00	30.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62336.D
Acq On : 19 Dec 2013 8:22 pm
Operator : krystend
Sample : IC2178-100
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 08:34:34 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:34:23 2013
Response via : Initial Calibration





TIC: m62336.D\data.ms

(9) chloroethane (P)

5.671min (+0.013) 98.31ug/kg m

response 200249

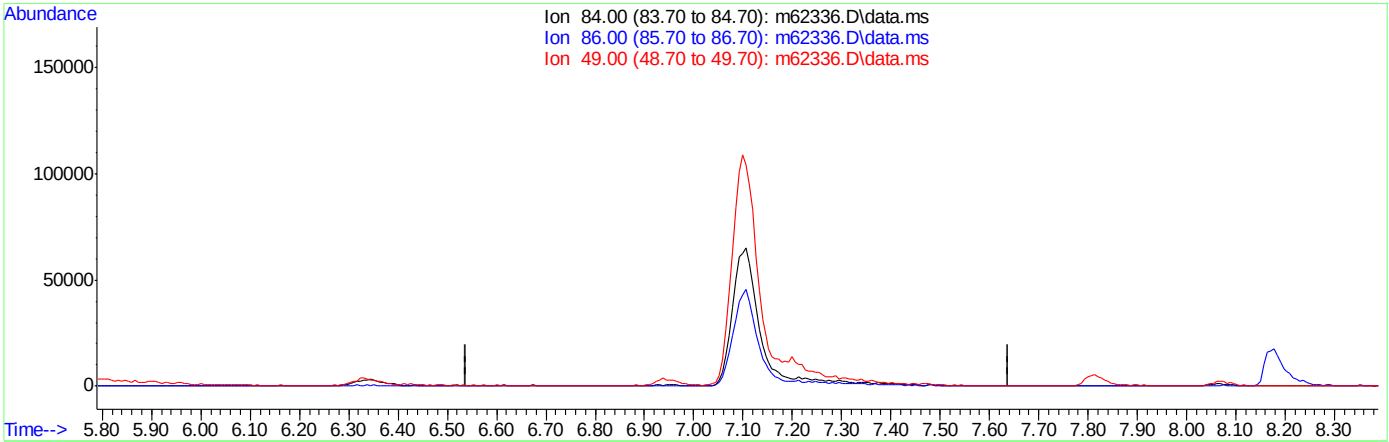
Ion	Exp%	Act%
64.00	100	100
66.00	30.40	27.81
0.00	0.00	0.00
0.00	0.00	0.00

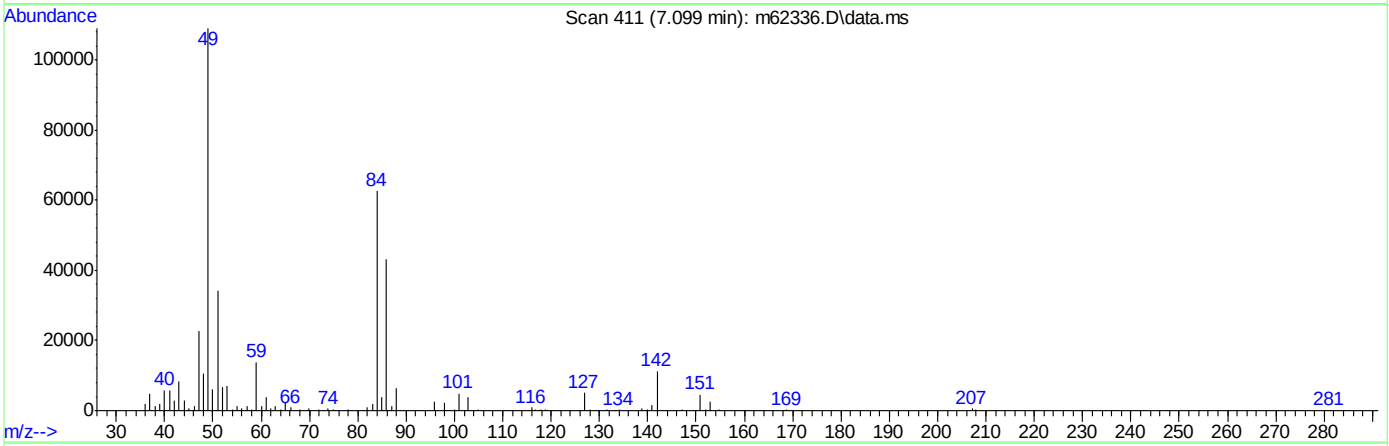
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62336.D
Acq On : 19 Dec 2013 8:22 pm
Operator : krystend
Sample : IC2178-100
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 08:34:34 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:34:23 2013
Response via : Initial Calibration





TIC: m62336.D\data.ms

(18) methylene chloride (P)

7.099min (-7.099) 0.00ug/kg

response 0

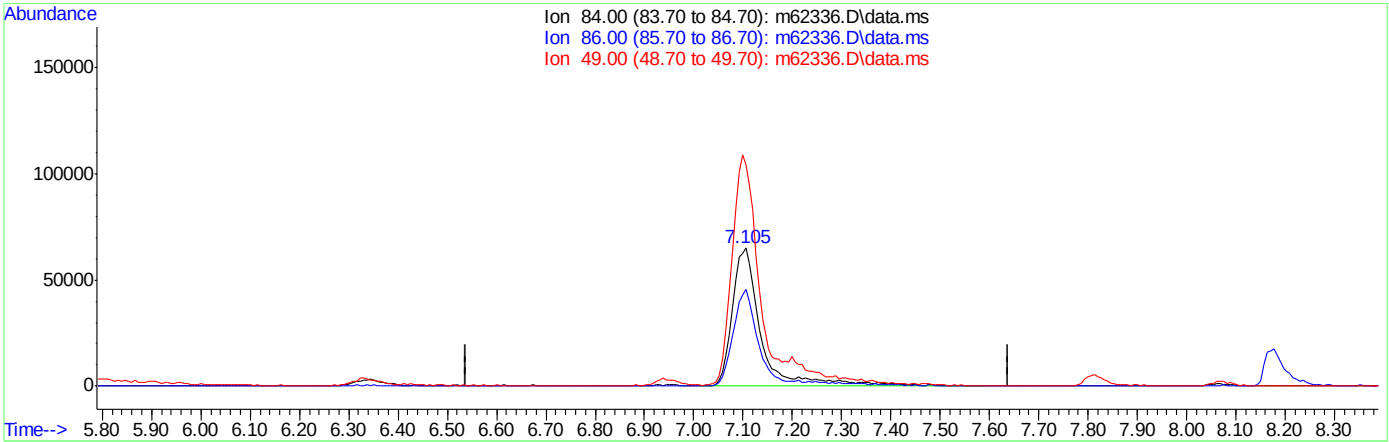
Ion	Exp%	Act%
84.00	100	0.00
86.00	62.20	0.00#
49.00	150.30	0.00#
0.00	0.00	0.00

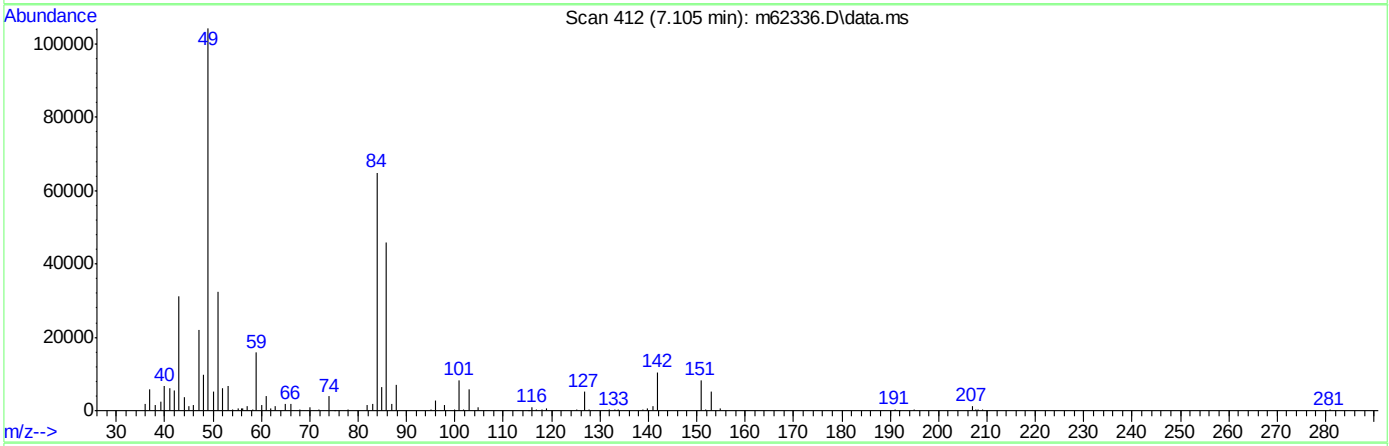
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62336.D
Acq On : 19 Dec 2013 8:22 pm
Operator : krystend
Sample : IC2178-100
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 08:34:34 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:34:23 2013
Response via : Initial Calibration





TIC: m62336.D\data.ms

(18) methylene chloride (P)

7.105min (+0.007) 77.10ug/kg m

response 265717

Ion	Exp%	Act%
84.00	100	100
86.00	62.20	70.56
49.00	150.30	160.65
0.00	0.00	0.00

ACCUTEST LABORATORIES MC27146

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/20/13 10:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62337.D
Acq On : 19 Dec 2013 8:51 pm
Operator : krystend
Sample : IC2178-200
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 20 09:44:00 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:10 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.836	65	130655	500.00	ug/kg	-0.01
4) pentafluorobenzene	9.349	168	403762	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	602758m	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	289702	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	361000	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	564686	112.07	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 224.14%#			
59) toluene-d8 (s)	12.036	98	1565778	105.04	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 210.08%#			
81) bromofluorobenzene (s)	14.731	95	781681	118.04	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 236.08%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.937	59	934258	1852.10	ug/kg	95
3) Ethanol	5.644	45	432487m	16695.81	ug/kg	
5) dichlorodifluoromethane	4.431	85	620094	179.76	ug/kg	100
6) chloromethane	4.700	50	883765	166.75	ug/kg	91
7) vinyl chloride	4.970	62	751060	181.38	ug/kg	96
8) bromomethane ...	5.495	96	665930	175.45	ug/kg	99
9) chloroethane	5.664	64	401280m	182.58	ug/kg	
10) ethyl ether	6.580	59	458389	167.72	ug/kg	93
11) acetonitrile	6.580	41	149174	179.63	ug/kg	93
12) trichlorofluoromethane	6.337	101	1576911	179.49	ug/kg	97
13) freon-113	7.152	101	429260m	126.12	ug/kg	
14) acrolein	6.324	56	495709	1090.35	ug/kg	99
15) 1,1-dichloroethene	6.944	96	462912m	123.50	ug/kg	
16) acetone	6.472	58	75302	176.27	ug/kg#	85
17) Methyl Acetate	7.126	43	921267	226.81	ug/kg	94
18) methylene chloride	7.099	84	504138m	140.47	ug/kg	
19) methyl tert butyl ether	7.907	73	1362178	157.77	ug/kg	98
20) acrylonitrile	6.998	53	312965	212.37	ug/kg	97
21) allyl chloride	7.200	41	914759m	142.01	ug/kg	
22) trans-1,2-dichloroethene	7.813	96	494176	124.35	ug/kg	97
23) iodomethane	7.011	142	1185000	138.56	ug/kg	98
24) carbon disulfide	7.388	76	1292326m	133.61	ug/kg	
25) propionitrile	8.082	54	109053	250.32	ug/kg	100
26) vinyl acetate	8.170	43	1519230	200.60	ug/kg	99
27) chloroprene	8.446	53	921967	133.34	ug/kg	99
28) di-isopropyl ether	8.486	45	2126919	155.08	ug/kg	95
29) methacrylonitrile	8.601	41	457754	130.74	ug/kg	94
30) 2-butanone	8.486	72	81332	222.30	ug/kg#	21
31) 1,1-dichloroethane	8.069	63	922457	135.15	ug/kg	97
32) tert-butyl ethyl ether	8.884	59	1536548	158.24	ug/kg	97
33) isobutyl alcohol	8.884	43	304044m	505.34	ug/kg	
34) 2,2-dichloropropane	8.951	77	640839	121.95	ug/kg	98
35) cis-1,2-dichloroethene	8.655	96	618825m	138.95	ug/kg	
36) ethyl acetate	8.884	43	426008m	137.29	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62337.D
Acq On : 19 Dec 2013 8:51 pm
Operator : krystend
Sample : IC2178-200
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 20 09:44:00 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:10 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	432043	151.22	ug/kg	95
38) chloroform	8.864	83	1091426	139.87	ug/kg	97
40) Tetrahydrofuran	9.187	42	260601	186.87	ug/kg	97
41) 1,1,1-trichloroethane	9.625	97	944340	123.93	ug/kg	99
43) Cyclohexane	9.914	56	817672m	126.96	ug/kg	
44) carbon tetrachloride	9.995	117	1068547	124.34	ug/kg	98
45) 1,1-dichloropropene	9.800	75	651683	130.50	ug/kg	95
46) benzene	10.029	78	1954954m	134.60	ug/kg	
47) 1,2-dichloroethane	9.524	62	1045145	150.07	ug/kg	98
48) tert-amyl methyl ether	10.143	73	1132696	152.84	ug/kg	96
49) heptane	10.507	43	843422	123.53	ug/kg	98
50) trichloroethene	10.655	95	631737	125.28	ug/kg	99
51) 1,2-dichloropropane	10.622	63	555106	152.19	ug/kg	98
52) dibromomethane	10.595	93	456916	160.77	ug/kg	89
53) bromodichloromethane	10.709	83	942199	148.54	ug/kg	98
54) Methylcyclohexane	11.181	83	779265	126.88	ug/kg	97
55) 2-chloroethyl vinyl ether	11.080	63	205031	177.26	ug/kg	99
56) methyl methacrylate	10.797	69	417779	200.62	ug/kg	93
57) 1,4-dioxane	10.797	88	34307	886.24	ug/kg#	44
58) cis-1,3-dichloropropene	11.329	75	955295	159.76	ug/kg	100
60) 4-methyl-2-pentanone	11.417	43	825421	189.17	ug/kg	98
61) toluene	12.110	92	1407384	149.51	ug/kg	95
62) trans-1,3-dichloropropene	11.747	75	923663	166.33	ug/kg	98
63) 1,1,2-trichloroethane	11.922	83	451334	163.54	ug/kg	94
64) ethyl methacrylate	12.117	69	826263	201.93	ug/kg	99
66) tetrachloroethene	12.858	166	738326	113.47	ug/kg	95
67) 1,3-dichloropropane	12.158	76	904986	148.10	ug/kg	97
68) dibromochloromethane	12.454	129	1064458	145.91	ug/kg	97
69) 1,2-dibromoethane	12.710	107	738971	151.88	ug/kg	98
70) 2-hexanone	12.272	43	619878	162.70	ug/kg	98
71) chlorobenzene	13.539	112	2066325	130.98	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.458	131	924261	132.48	ug/kg	99
73) ethylbenzene	13.707	91	2816072	129.13	ug/kg	99
74) m,p-xylene	13.896	106	2474242	261.38	ug/kg	99
75) o-xylene	14.307	106	1306365	134.80	ug/kg	98
76) styrene	14.232	104	2048725	137.30	ug/kg	100
77) bromoform	14.064	173	771772	150.19	ug/kg	98
78) trans-1,4-dichloro-2-b...	14.455	53	343409	162.15	ug/kg	95
80) isopropylbenzene	14.670	105	3374550	138.96	ug/kg	99
82) bromobenzene	14.967	156	1031368	147.77	ug/kg	99
83) 1,1,2,2-tetrachloroethane	14.313	83	878227	179.29	ug/kg	95
84) 1,2,3-trichloropropane	14.461	75	1003452	181.90	ug/kg	97
85) n-propylbenzene	15.115	91	3459662	140.25	ug/kg	100
86) 2-chlorotoluene	15.236	91	2261421	141.81	ug/kg	96
87) 4-chlorotoluene	15.310	91	2245479	142.78	ug/kg	99
88) 1,3,5-trimethylbenzene	15.391	105	2946592	143.57	ug/kg	98
89) tert-butylbenzene	15.701	91	1667572	143.35	ug/kg	97
90) 1,2,4-trimethylbenzene	15.802	105	2932840	144.50	ug/kg	98
91) sec-butylbenzene	15.923	105	3822335	140.02	ug/kg	100
92) 1,3-dichlorobenzene	16.031	146	1988451	139.15	ug/kg	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62337.D
Acq On : 19 Dec 2013 8:51 pm
Operator : krystend
Sample : IC2178-200
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 20 09:44:00 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:10 2013
Response via : Initial Calibration

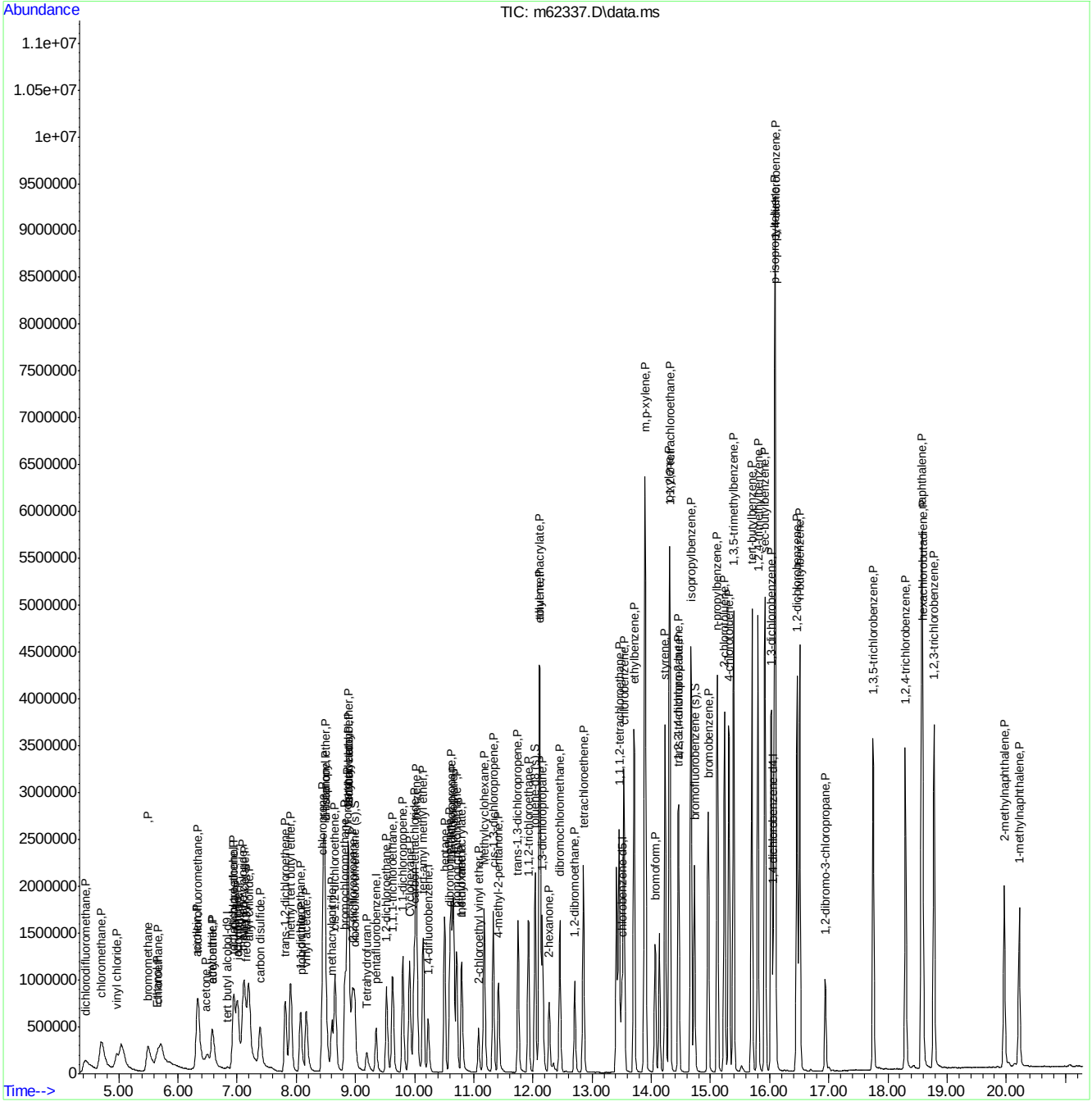
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	3534979	139.38	ug/kg	98
94) 1,4-dichlorobenzene	16.098	146	2043228	138.58	ug/kg	98
95) 1,2-dichlorobenzene	16.462	146	2103959	145.65	ug/kg	98
96) n-butylbenzene	16.509	91	2597380	137.21	ug/kg	97
97) 1,2-dibromo-3-chloropr...	16.940	75	247920	171.22	ug/kg	96
98) 1,3,5-trichlorobenzene	17.749	180	1292517	133.23	ug/kg	99
99) 1,2,4-trichlorobenzene	18.301	180	1340233	138.02	ug/kg	98
100) hexachlorobutadiene	18.591	225	659495	131.93	ug/kg	97
101) naphthalene	18.571	128	4588927	173.56	ug/kg	100
102) 1,2,3-trichlorobenzene	18.779	180	1428722	150.80	ug/kg	98
103) 2-methylnaphthalene	19.965	142	1297117	91.26	ug/kg	99
104) 1-methylnaphthalene	20.221	TIC	3895106	68.98	ug/kg	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62337.D
Acq On : 19 Dec 2013 8:51 pm
Operator : krystend
Sample : IC2178-200
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

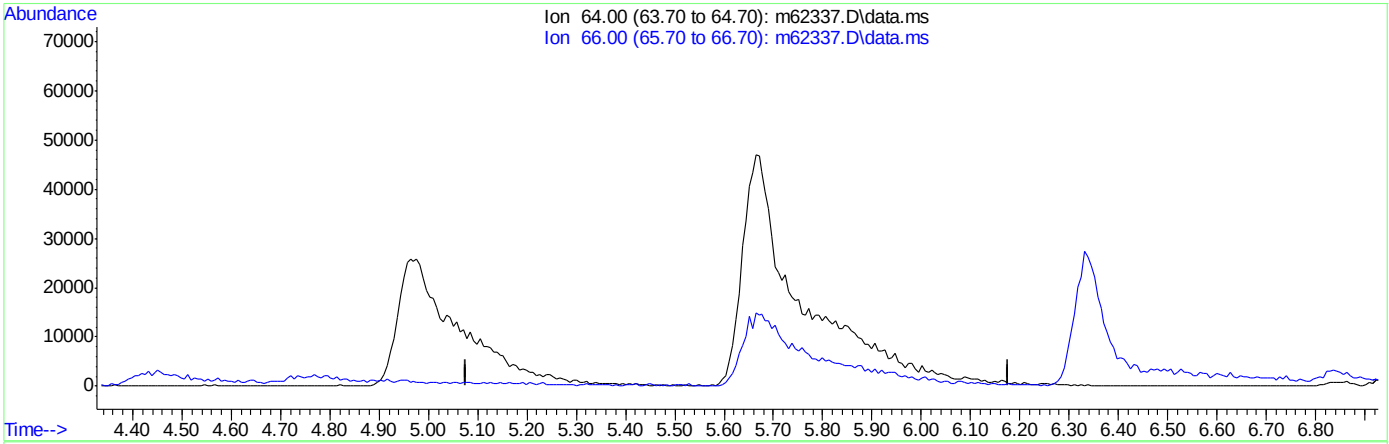
Quant Time: Dec 20 09:44:00 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:10 2013
Response via : Initial Calibration

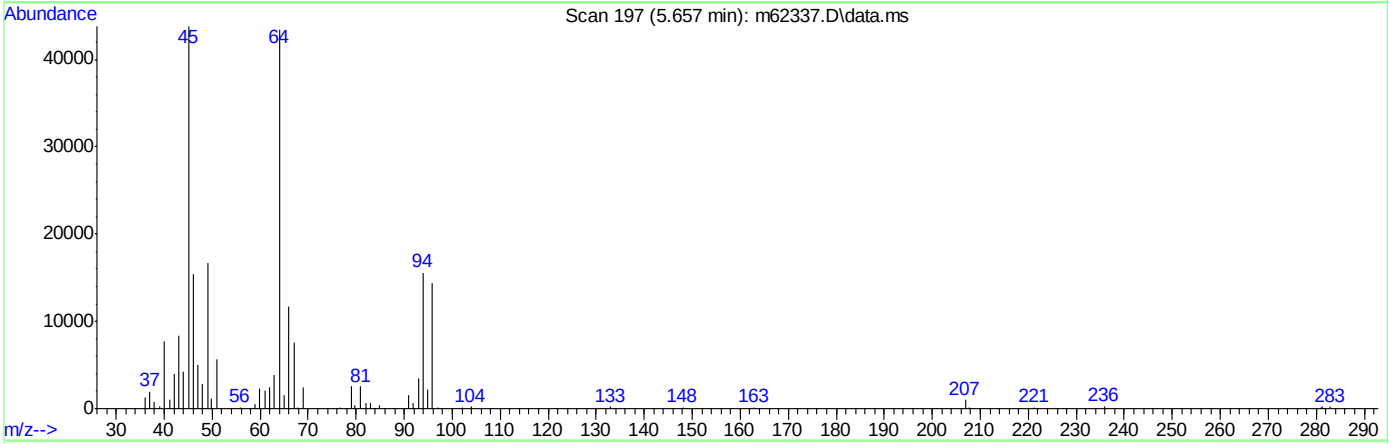


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62337.D
Acq On : 19 Dec 2013 8:51 pm
Operator : krystend
Sample : IC2178-200
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 20 08:35:19 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:10 2013
Response via : Initial Calibration





TIC: m62337.D\data.ms

(9) chloroethane (P)

5.657min (-5.657) 0.00ug/kg

response 0

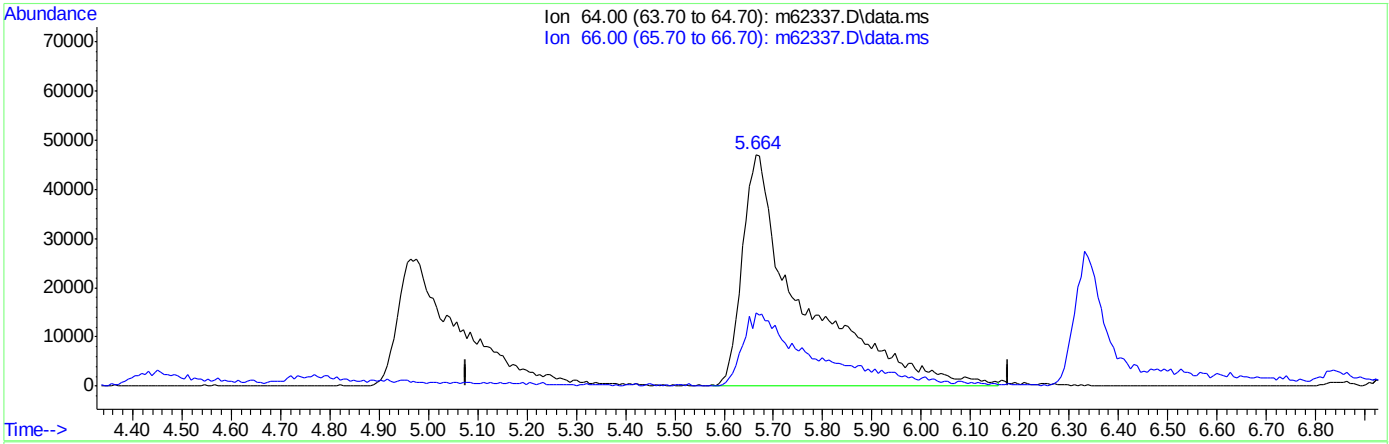
Ion	Exp%	Act%
64.00	100	0.00
66.00	30.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

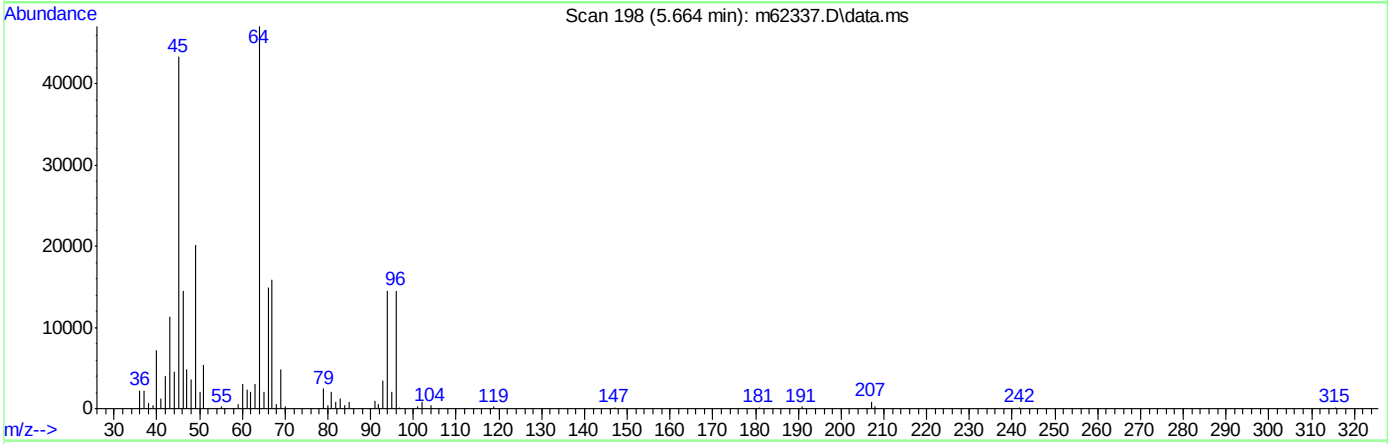
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62337.D
Acq On : 19 Dec 2013 8:51 pm
Operator : krystend
Sample : IC2178-200
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 20 08:35:19 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:10 2013
Response via : Initial Calibration





TIC: m62337.D\data.ms

(9) chloroethane (P)

5.664min (+0.006) 182.58ug/kg m

response 401280

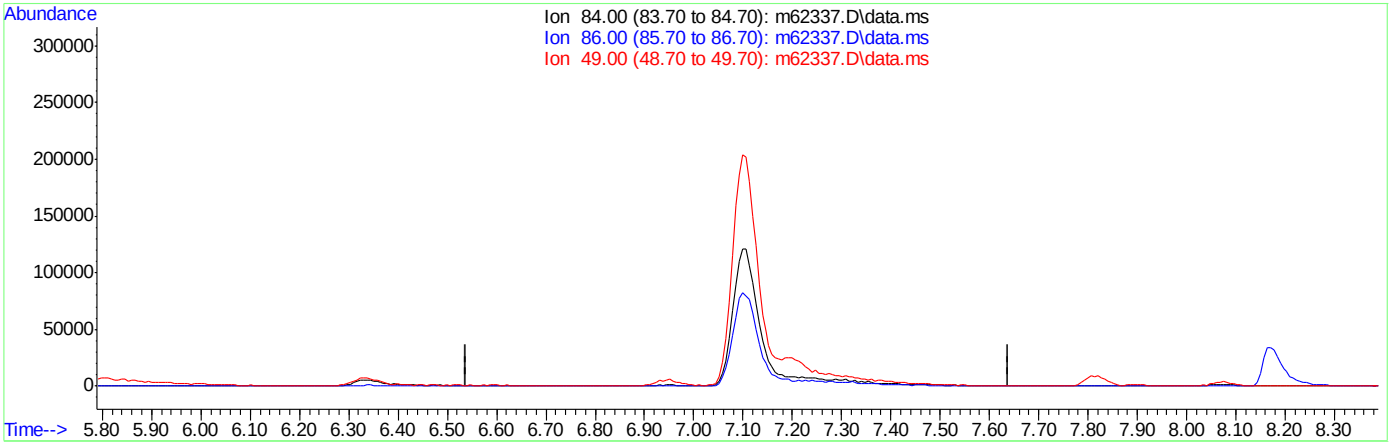
Ion	Exp%	Act%
64.00	100	100
66.00	30.40	31.66
0.00	0.00	0.00
0.00	0.00	0.00

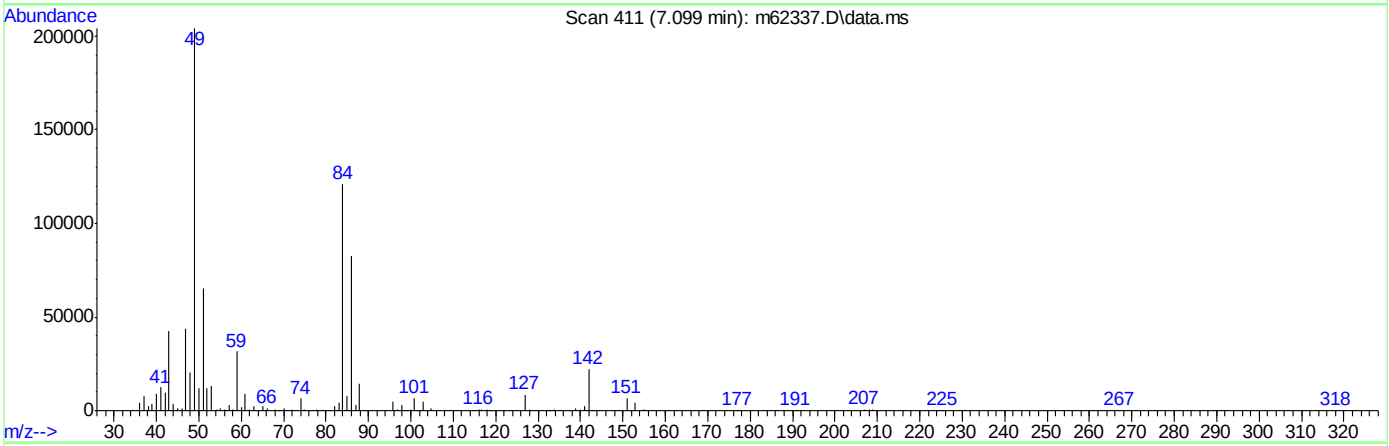
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62337.D
Acq On : 19 Dec 2013 8:51 pm
Operator : krystend
Sample : IC2178-200
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 20 08:35:19 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:10 2013
Response via : Initial Calibration





TIC: m62337.D\data.ms

(18) methylene chloride (P)

7.099min (-7.099) 0.00ug/kg

response 0

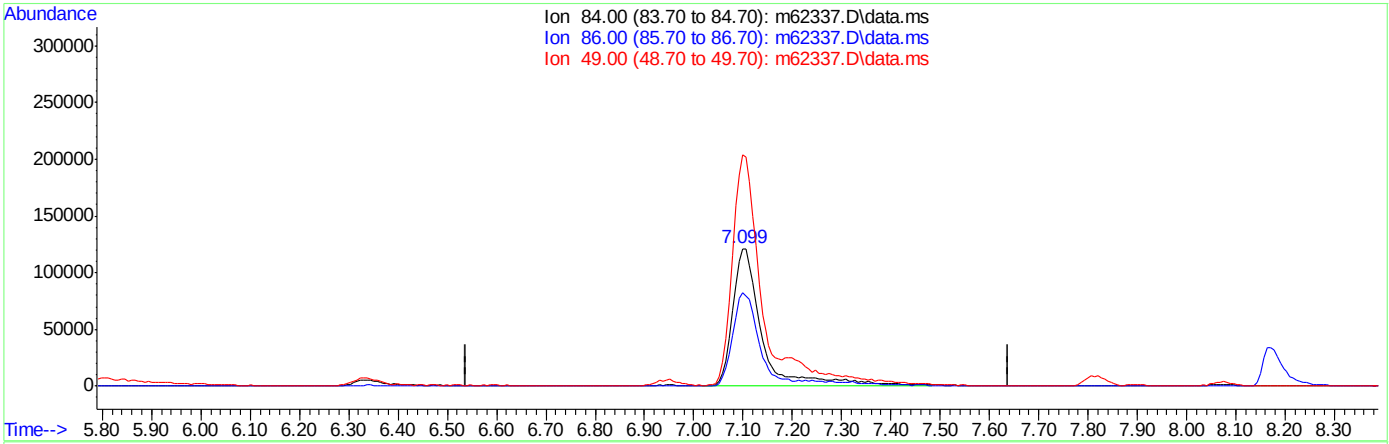
Ion	Exp%	Act%
84.00	100	0.00
86.00	62.20	0.00#
49.00	150.30	0.00#
0.00	0.00	0.00

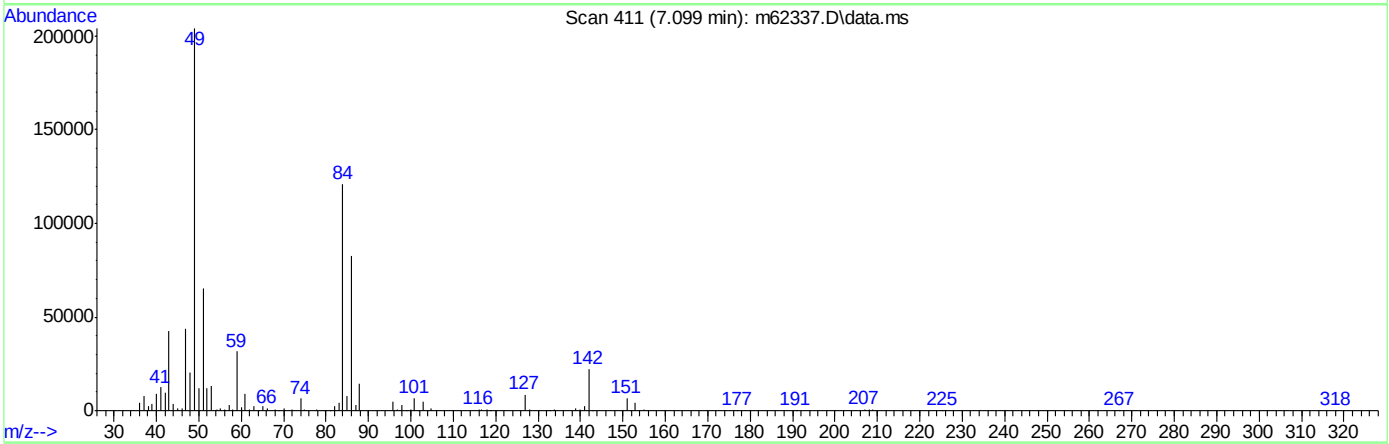
M62337.D edits: methylene chloride

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62337.D
Acq On : 19 Dec 2013 8:51 pm
Operator : krystend
Sample : IC2178-200
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 20 08:35:19 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:10 2013
Response via : Initial Calibration





TIC: m62337.D\data.ms

(18) methylene chloride (P)

7.099min (-0.000) 140.47ug/kg m

response 504138

Ion	Exp%	Act%
84.00	100	100
86.00	62.20	68.18
49.00	150.30	168.68
0.00	0.00	0.00

M62337.D edits: methylene chloride

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/20/13 10:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62338.D
Acq On : 19 Dec 2013 9:21 pm
Operator : krystend
Sample : IC2178-400
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 20 09:54:17 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:47 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.829	65	137169	500.00	ug/kg	-0.02
4) pentafluorobenzene	9.349	168	440163	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	655647m	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	281315m	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	417530	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.985	113	1412859	271.86	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	543.72%#		
59) toluene-d8 (s)	12.037	98	4231118	277.82	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	555.64%#		
81) bromofluorobenzene (s)	14.731	95	2096211	287.84	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	575.68%#		
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	1948943m	3719.45	ug/kg	
3) Ethanol	5.637	45	902473m	32418.60	ug/kg	
5) dichlorodifluoromethane	4.425	85	1119439	302.04	ug/kg	97
6) chloromethane	4.694	50	1857413	329.29	ug/kg	92
7) vinyl chloride	4.957	62	1618221	363.31	ug/kg	98
8) bromomethane ...	5.489	96	1437785m	353.69	ug/kg	
9) chloroethane	5.651	64	901826m	381.93	ug/kg	
10) ethyl ether	6.580	59	1100321	379.51	ug/kg	94
11) acetonitrile	6.567	41	377792	424.50	ug/kg	98
12) trichlorofluoromethane	6.331	101	3242192	343.55	ug/kg	95
13) freon-113	7.139	101	1135228m	323.60	ug/kg	
14) acrolein	6.317	56	1060998	2108.99	ug/kg	99
15) 1,1-dichloroethene	6.944	96	1249984m	324.21	ug/kg	
16) acetone	6.459	58	174498	383.80	ug/kg	99
17) Methyl Acetate	7.119	43	1985059	438.50	ug/kg	98
18) methylene chloride	7.099	84	1315634m	351.20	ug/kg	
19) methyl tert butyl ether	7.900	73	3222231	352.98	ug/kg	100
20) acrylonitrile	6.991	53	682512	420.50	ug/kg	98
21) allyl chloride	7.193	41	2292460	342.57	ug/kg	99
22) trans-1,2-dichloroethene	7.806	96	1374042	335.28	ug/kg	97
23) iodomethane	7.005	142	3153177	353.73	ug/kg	97
24) carbon disulfide	7.382	76	3619501m	361.14	ug/kg	
25) propionitrile	8.069	54	243004	491.07	ug/kg	100
26) vinyl acetate	8.163	43	3609931	437.05	ug/kg	100
27) chloroprene	8.446	53	2528875	352.27	ug/kg	96
28) di-isopropyl ether	8.480	45	5573227	385.11	ug/kg	91
29) methacrylonitrile	8.594	41	1059884	292.14	ug/kg	94
30) 2-butanone	8.480	72	189465	466.37	ug/kg#	1
31) 1,1-dichloroethane	8.069	63	2482681	349.85	ug/kg	97
32) tert-butyl ethyl ether	8.884	59	3764413	366.55	ug/kg	98
33) isobutyl alcohol	8.884	43	647881m	1038.84	ug/kg	
34) 2,2-dichloropropane	8.945	77	1682362	311.01	ug/kg	97
35) cis-1,2-dichloroethene	8.655	96	1618238m	348.92	ug/kg	
36) ethyl acetate	8.884	43	946970m	295.33	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62338.D
Acq On : 19 Dec 2013 9:21 pm
Operator : krystend
Sample : IC2178-400
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 20 09:54:17 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:47 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	1082824	360.20	ug/kg	97
38) chloroform	8.864	83	2846013	349.57	ug/kg	96
40) Tetrahydrofuran	9.194	42	538824	358.35	ug/kg	94
41) 1,1,1-trichloroethane	9.625	97	2518894	320.66	ug/kg	99
43) Cyclohexane	9.915	56	2292664m	346.82	ug/kg	
44) carbon tetrachloride	9.995	117	2847516	322.47	ug/kg	99
45) 1,1-dichloropropene	9.800	75	1816763	352.45	ug/kg	97
46) benzene	10.029	78	5459767m	360.81	ug/kg	
47) 1,2-dichloroethane	9.524	62	2456546	336.81	ug/kg	96
48) tert-amyl methyl ether	10.144	73	2769200	356.08	ug/kg	99
49) heptane	10.507	43	2437737	347.68	ug/kg	99
50) trichloroethene	10.656	95	1719346	329.22	ug/kg	98
51) 1,2-dichloropropane	10.622	63	1478501	386.48	ug/kg	97
52) dibromomethane	10.595	93	1102223	367.46	ug/kg	92
53) bromodichloromethane	10.710	83	2382953	359.14	ug/kg	99
54) Methylcyclohexane	11.181	83	2203839	348.56	ug/kg	96
55) 2-chloroethyl vinyl ether	11.080	63	490573	398.33	ug/kg	99
56) methyl methacrylate	10.797	69	996786	440.91	ug/kg	90
57) 1,4-dioxane	10.790	88	78409	1902.35	ug/kg#	51
58) cis-1,3-dichloropropene	11.329	75	2515968	398.96	ug/kg	98
60) 4-methyl-2-pentanone	11.417	43	1784039	379.59	ug/kg	96
61) toluene	12.111	92	3926114	398.44	ug/kg	90
62) trans-1,3-dichloropropene	11.747	75	2332609	396.38	ug/kg	97
63) 1,1,2-trichloroethane	11.922	83	1117890	383.02	ug/kg	94
64) ethyl methacrylate	12.117	69	1987766	446.93	ug/kg	98
66) tetrachloroethene	12.852	166	2055153	343.85	ug/kg	96
67) 1,3-dichloropropane	12.158	76	2344445	410.32	ug/kg	98
68) dibromochloromethane	12.454	129	2578897	378.66	ug/kg	99
69) 1,2-dibromoethane	12.710	107	1767746	387.48	ug/kg	98
70) 2-hexanone	12.272	43	1383045	384.07	ug/kg	99
71) chlorobenzene	13.539	112	5677733	389.86	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.458	131	2415222	374.57	ug/kg	98
73) ethylbenzene	13.707	91	8024955	399.16	ug/kg	98
74) m,p-xylene	13.896	106	6889035	788.49	ug/kg	99
75) o-xylene	14.307	106	3603305	401.61	ug/kg	100
76) styrene	14.233	104	5701723	411.95	ug/kg	98
77) bromoform	14.064	173	1829193	380.10	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.455	53	767817	385.52	ug/kg	88
80) isopropylbenzene	14.671	105	9678170	360.28	ug/kg	99
82) bromobenzene	14.960	156	2752930	354.23	ug/kg	94
83) 1,1,2,2-tetrachloroethane	14.313	83	2105312	377.20	ug/kg	96
84) 1,2,3-trichloropropane	14.462	75	2348617	372.92	ug/kg	99
85) n-propylbenzene	15.115	91	9994237	365.91	ug/kg	99
86) 2-chlorotoluene	15.236	91	6399539	362.02	ug/kg	95
87) 4-chlorotoluene	15.310	91	6355035	364.26	ug/kg	98
88) 1,3,5-trimethylbenzene	15.391	105	8531614	374.51	ug/kg	99
89) tert-butylbenzene	15.701	91	4655880	360.63	ug/kg	96
90) 1,2,4-trimethylbenzene	15.802	105	8380778	371.74	ug/kg	99
91) sec-butylbenzene	15.924	105	10972370	363.08	ug/kg	99
92) 1,3-dichlorobenzene	16.031	146	5561469	351.79	ug/kg	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62338.D
Acq On : 19 Dec 2013 9:21 pm
Operator : krystend
Sample : IC2178-400
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 20 09:54:17 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:47 2013
Response via : Initial Calibration

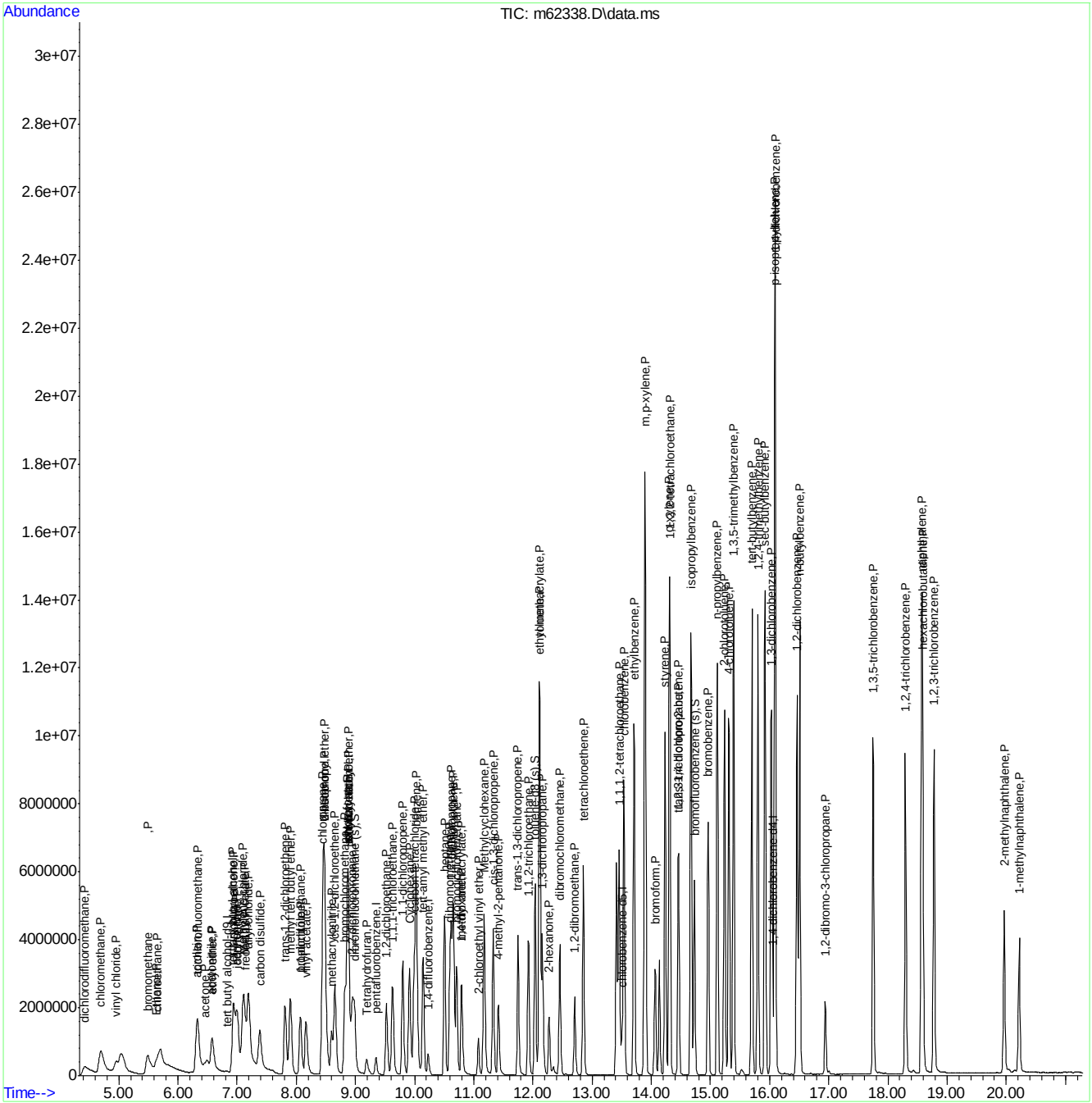
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	10096565	359.78	ug/kg	98
94) 1,4-dichlorobenzene	16.099	146	5497365	337.16	ug/kg	97
95) 1,2-dichlorobenzene	16.462	146	5659040	352.40	ug/kg	99
96) n-butylbenzene	16.510	91	7665100	366.54	ug/kg	99
97) 1,2-dibromo-3-chloropr...	16.941	75	541377	331.21	ug/kg	94
98) 1,3,5-trichlorobenzene	17.749	180	3642484	340.89	ug/kg	99
99) 1,2,4-trichlorobenzene	18.301	180	3675446	342.41	ug/kg	97
100) hexachlorobutadiene	18.591	225	1772447	322.23	ug/kg	97
101) naphthalene	18.571	128	11100051	369.97	ug/kg	100
102) 1,2,3-trichlorobenzene	18.780	180	3693568	349.34	ug/kg	99
103) 2-methylnaphthalene	19.965	142	3174503	195.54	ug/kg	98
104) 1-methylnaphthalene	20.221	TIC	8898543	142.56	ug/kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62338.D
Acq On : 19 Dec 2013 9:21 pm
Operator : krystend
Sample : IC2178-400
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

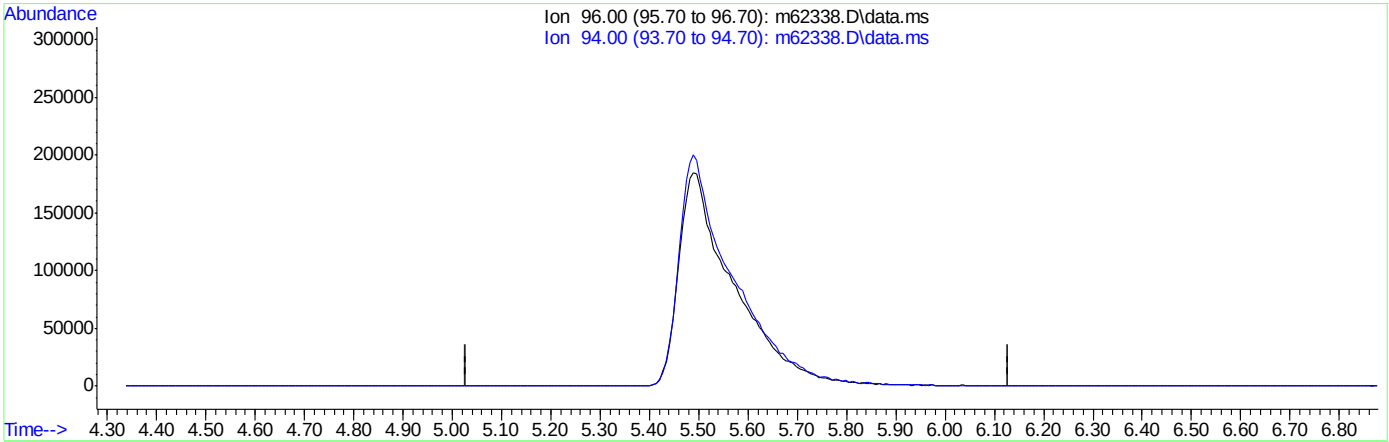
Quant Time: Dec 20 09:54:17 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:47 2013
Response via : Initial Calibration

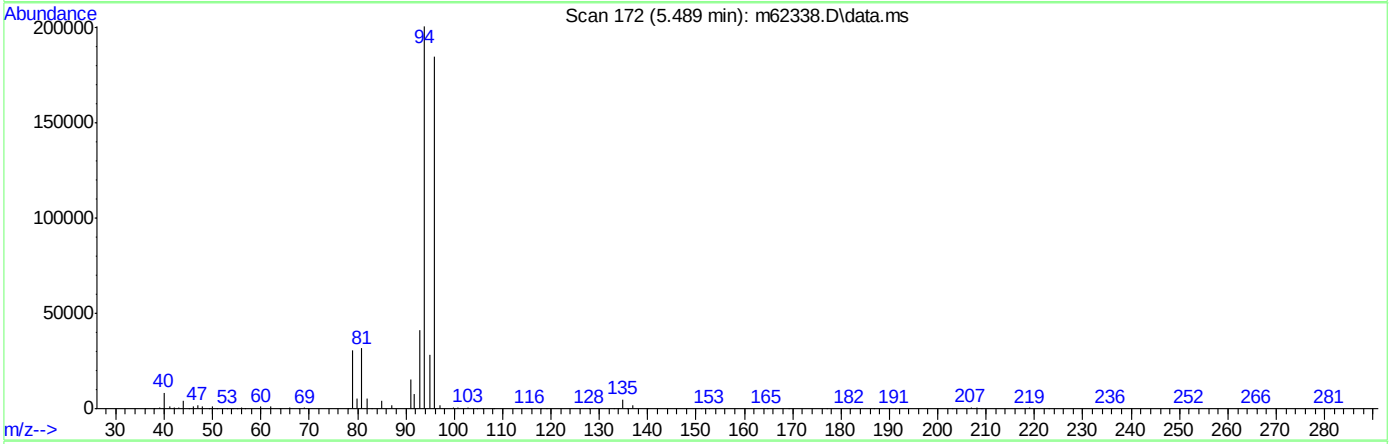


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62338.D
Acq On : 19 Dec 2013 9:21 pm
Operator : krystend
Sample : IC2178-400
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 20 08:35:54 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:47 2013
Response via : Initial Calibration





TIC: m62338.D\data.ms

(8) bromomethane (P)

5.489min (-5.489) 0.00ug/kg

response 0

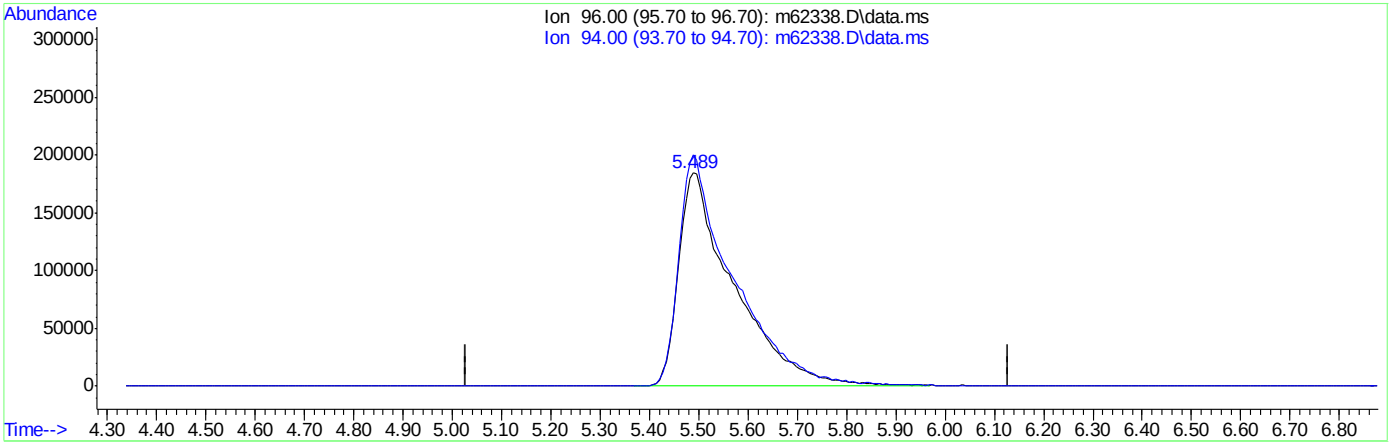
Ion	Exp%	Act%
96.00	100	0.00
94.00	102.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

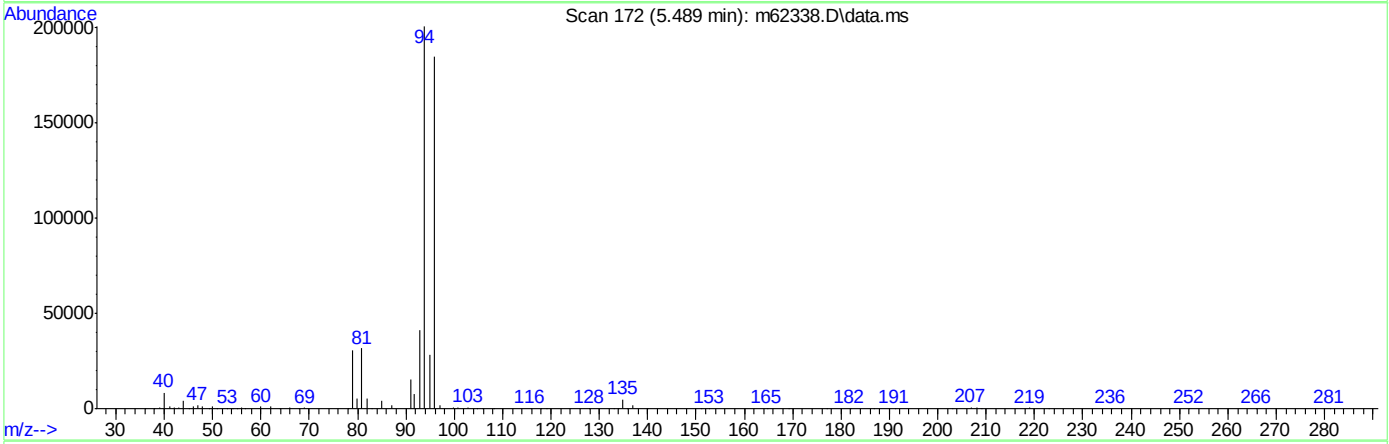
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62338.D
Acq On : 19 Dec 2013 9:21 pm
Operator : krystend
Sample : IC2178-400
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 20 08:35:54 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:47 2013
Response via : Initial Calibration





TIC: m62338.D\data.ms

(8) bromomethane (P)

5.489min (-0.000) 353.69ug/kg m

response 1437785

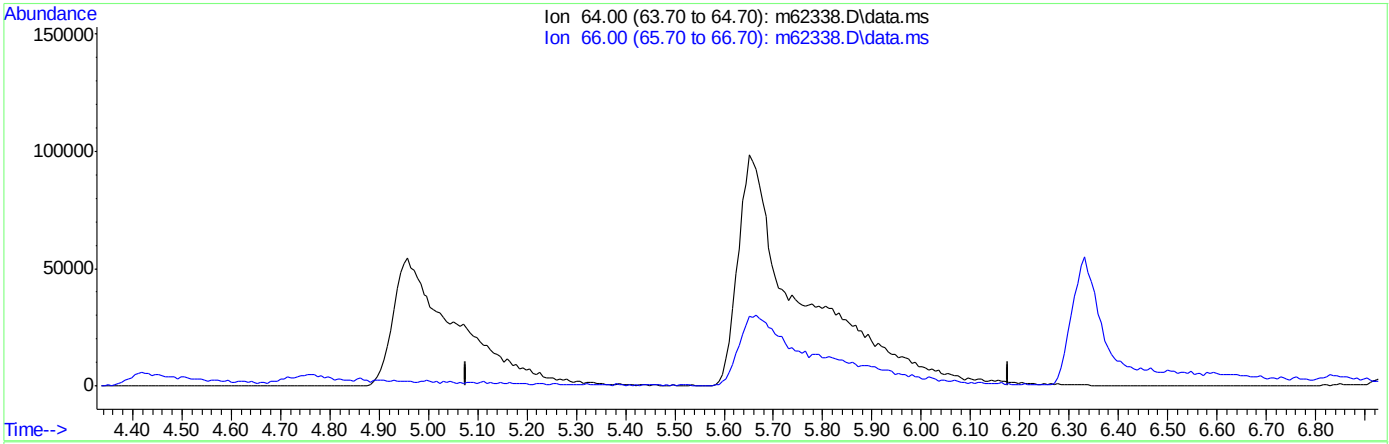
Ion	Exp%	Act%
96.00	100	100
94.00	102.30	108.63
0.00	0.00	0.00
0.00	0.00	0.00

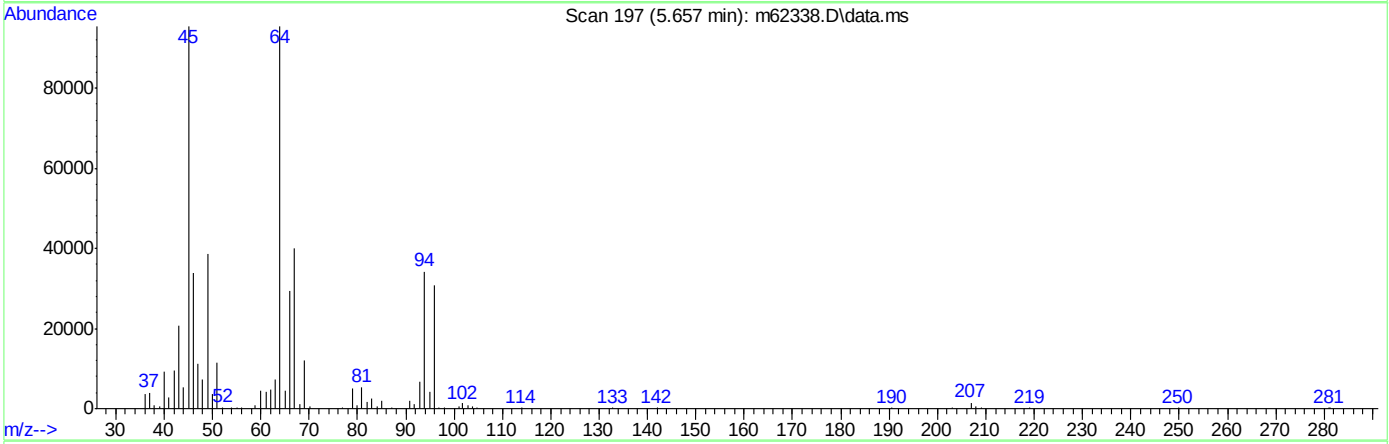
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62338.D
Acq On : 19 Dec 2013 9:21 pm
Operator : krystend
Sample : IC2178-400
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 20 08:35:54 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:47 2013
Response via : Initial Calibration





TIC: m62338.D\data.ms

(9) chloroethane (P)

5.657min (-5.657) 0.00ug/kg

response 0

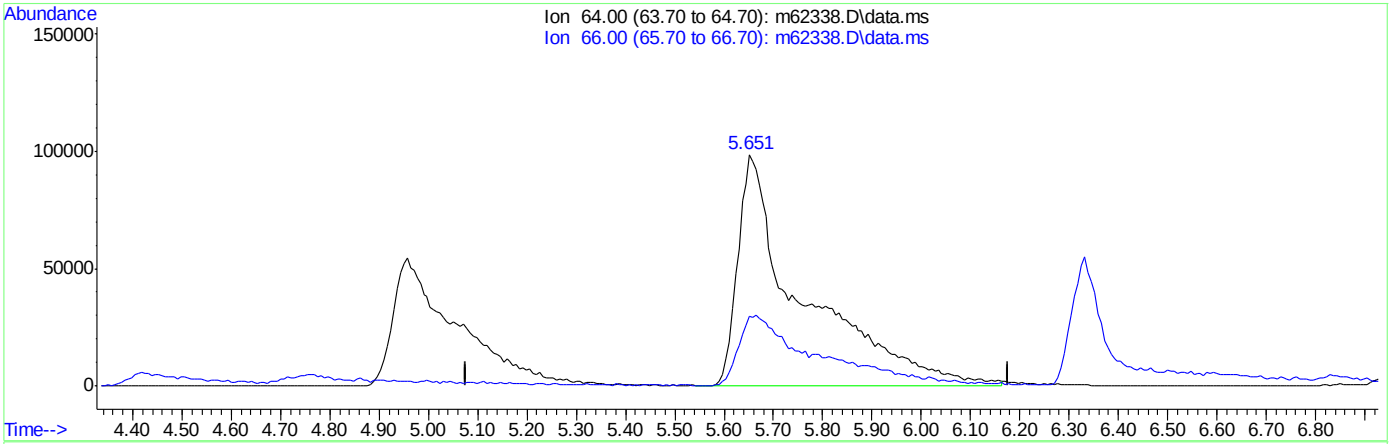
Ion	Exp%	Act%
64.00	100	0.00
66.00	30.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

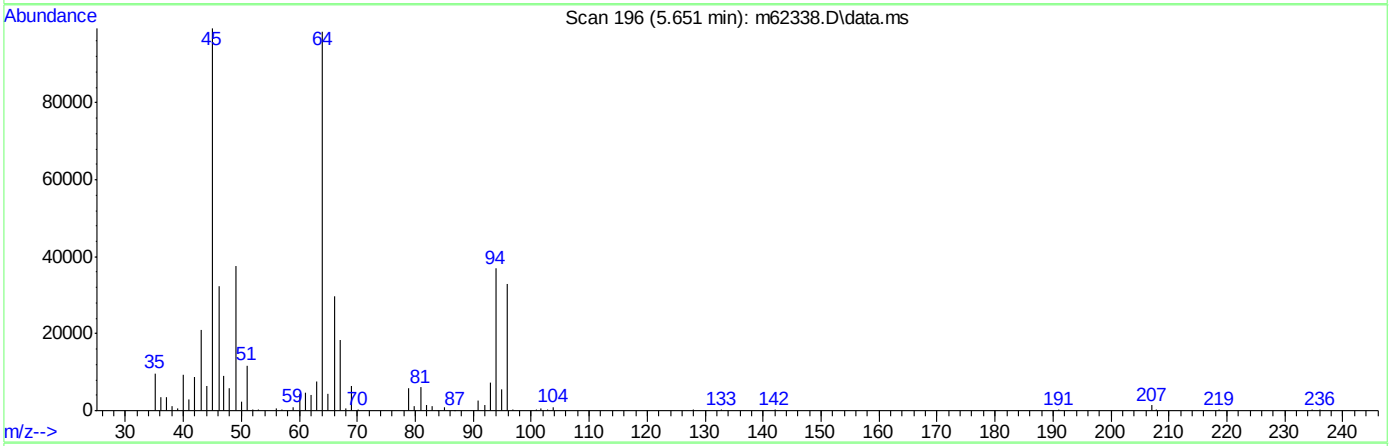
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62338.D
Acq On : 19 Dec 2013 9:21 pm
Operator : krystend
Sample : IC2178-400
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 20 08:35:54 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:47 2013
Response via : Initial Calibration





TIC: m62338.D\data.ms

(9) chloroethane (P)

5.651min (-0.007) 381.93ug/kg m

response 901826

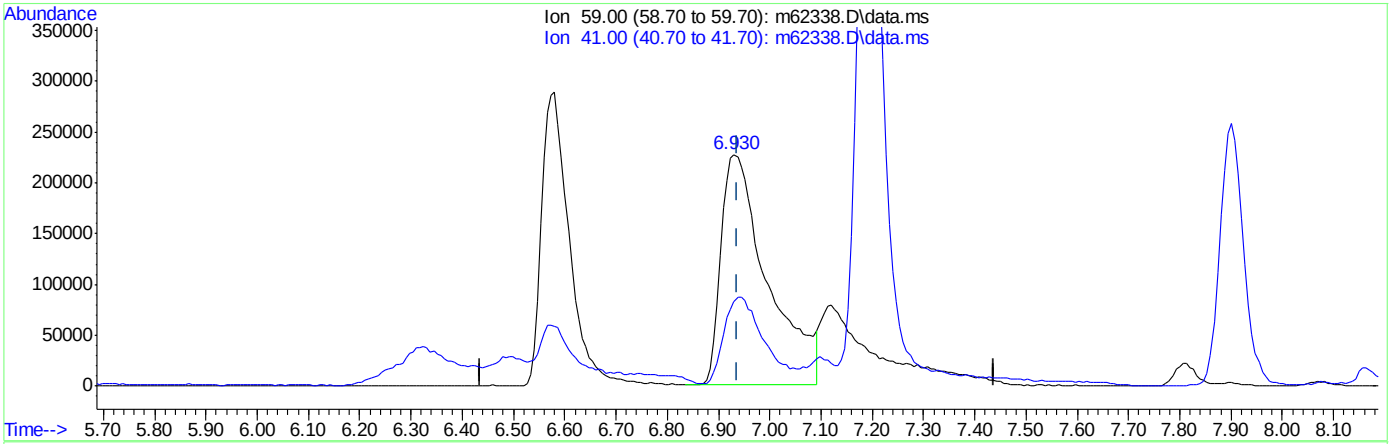
Ion	Exp%	Act%
64.00	100	100
66.00	30.40	30.25
0.00	0.00	0.00
0.00	0.00	0.00

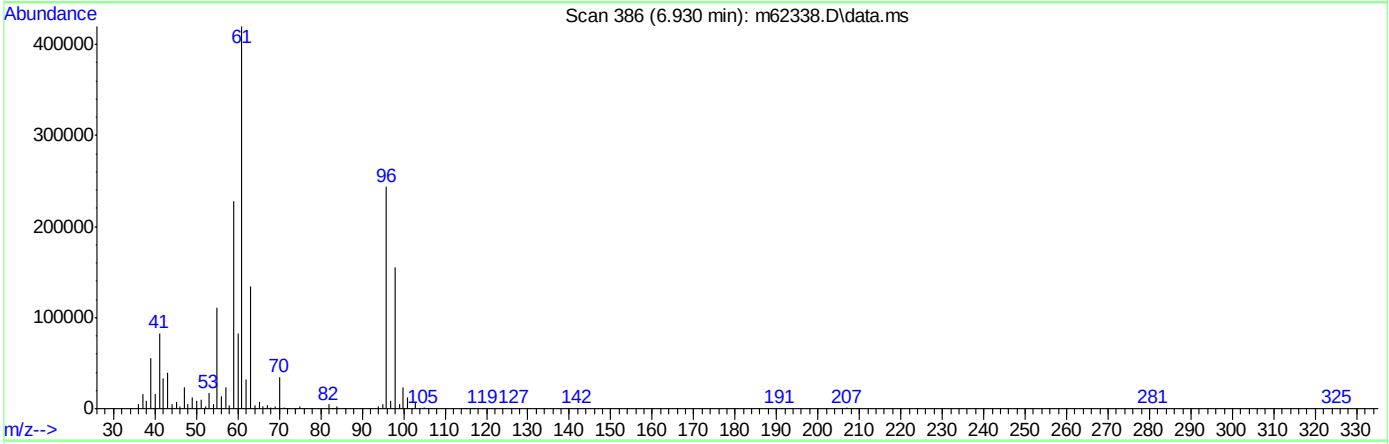
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62338.D
Acq On : 19 Dec 2013 9:21 pm
Operator : krystend
Sample : IC2178-400
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 20 08:36:13 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:47 2013
Response via : Initial Calibration





TIC: m62338.D\data.ms

(2) tertiary butyl alcohol (P)

6.930min (-0.007) 2712.30ug/kg

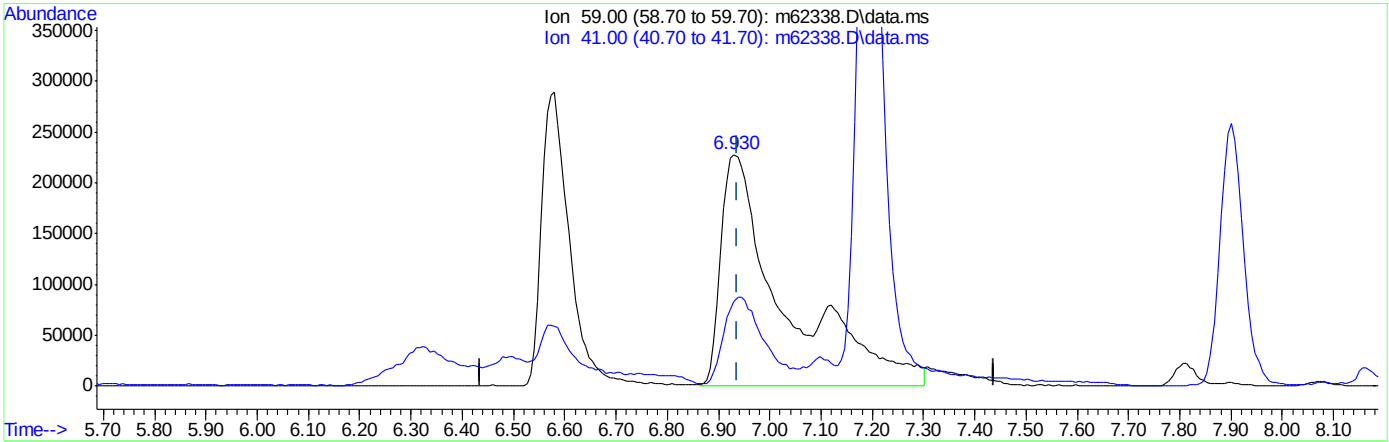
response 1421207

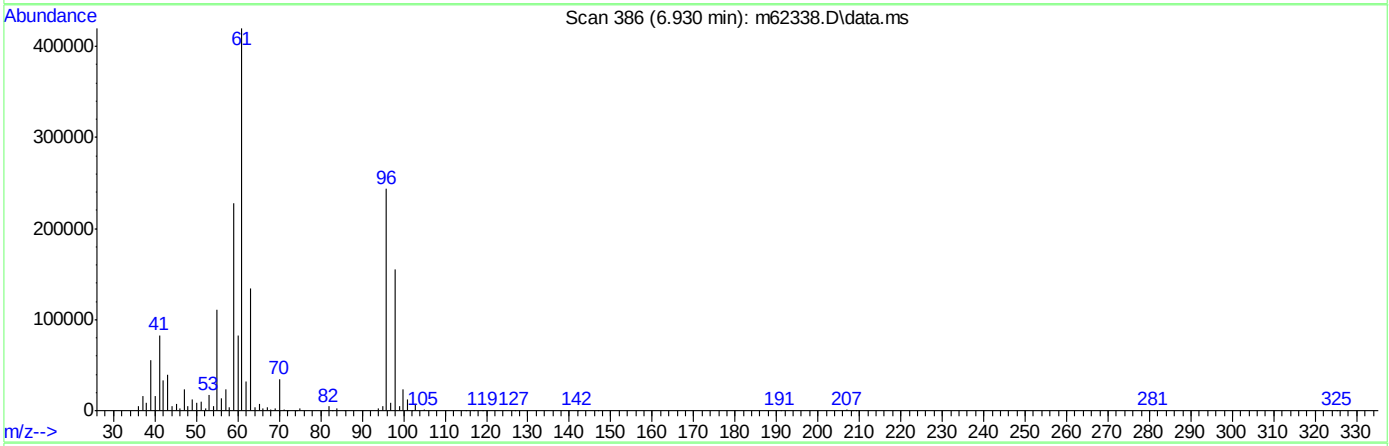
Ion	Exp%	Act%
59.00	100	100
41.00	39.10	33.37
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62338.D
Acq On : 19 Dec 2013 9:21 pm
Operator : krystend
Sample : IC2178-400
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 20 08:36:13 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:47 2013
Response via : Initial Calibration





TIC: m62338.D\data.ms

(2) tertiary butyl alcohol (P)

6.930min (-0.007) 3719.45ug/kg m

response 1948943

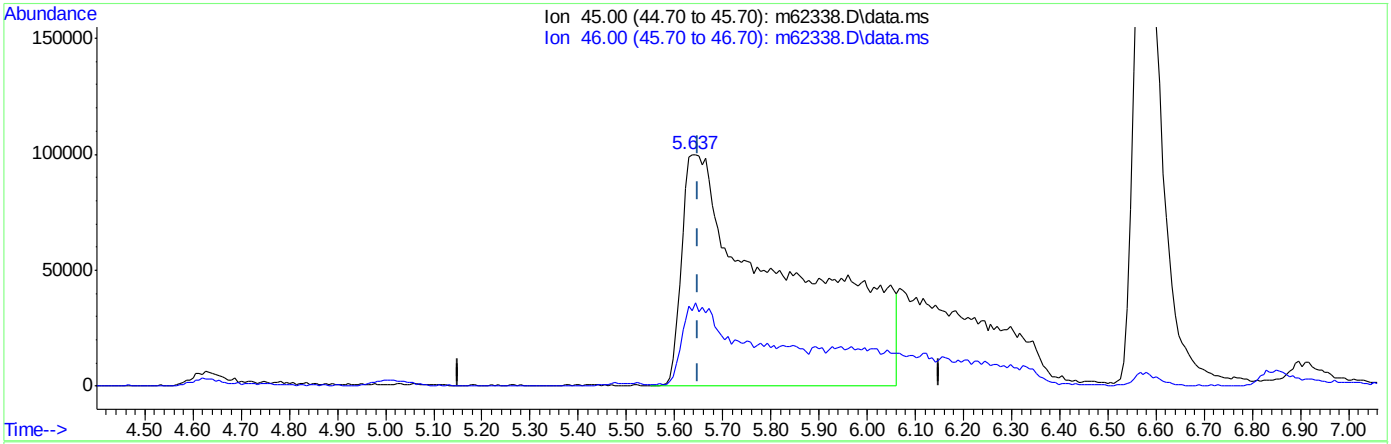
Ion	Exp%	Act%
59.00	100	100
41.00	39.10	36.36
0.00	0.00	0.00
0.00	0.00	0.00

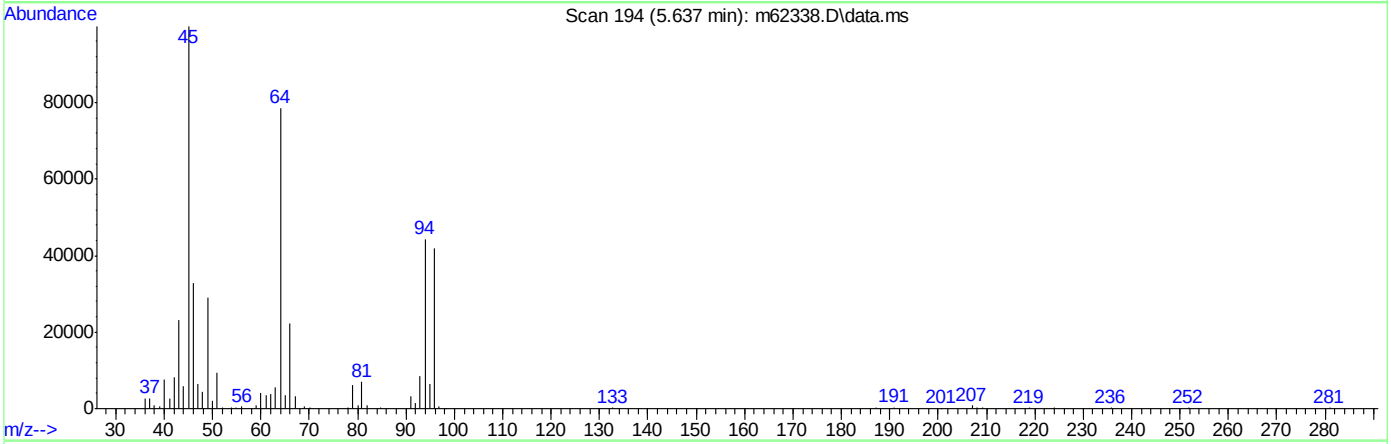
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62338.D
Acq On : 19 Dec 2013 9:21 pm
Operator : krystend
Sample : IC2178-400
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 20 08:36:13 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:47 2013
Response via : Initial Calibration





TIC: m62338.D\data.ms

(3) Ethanol (P)

5.637min (-0.013) 54127.89ug/kg

response 1506819

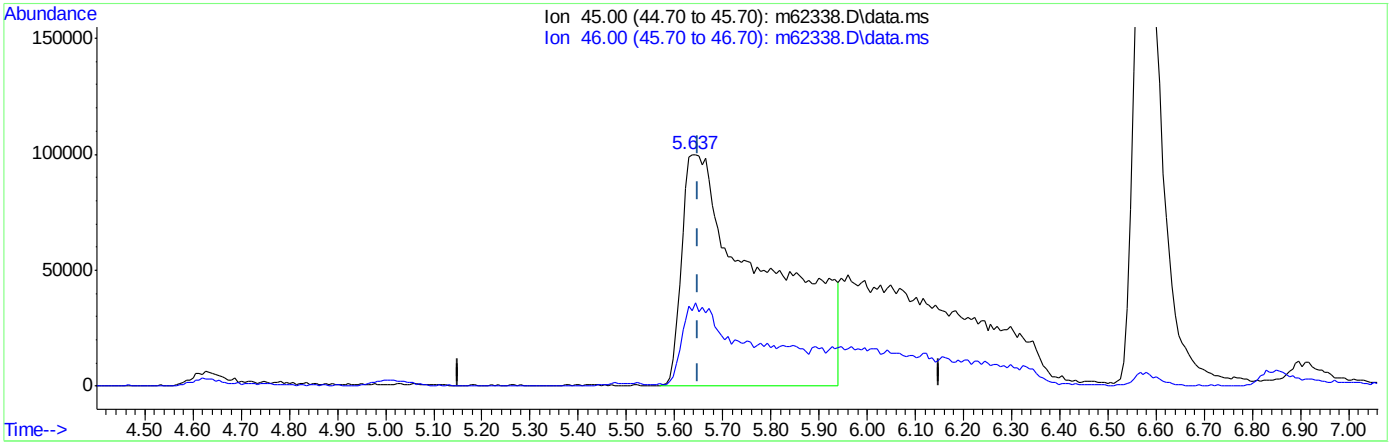
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	34.90#
0.00	0.00	0.00
0.00	0.00	0.00

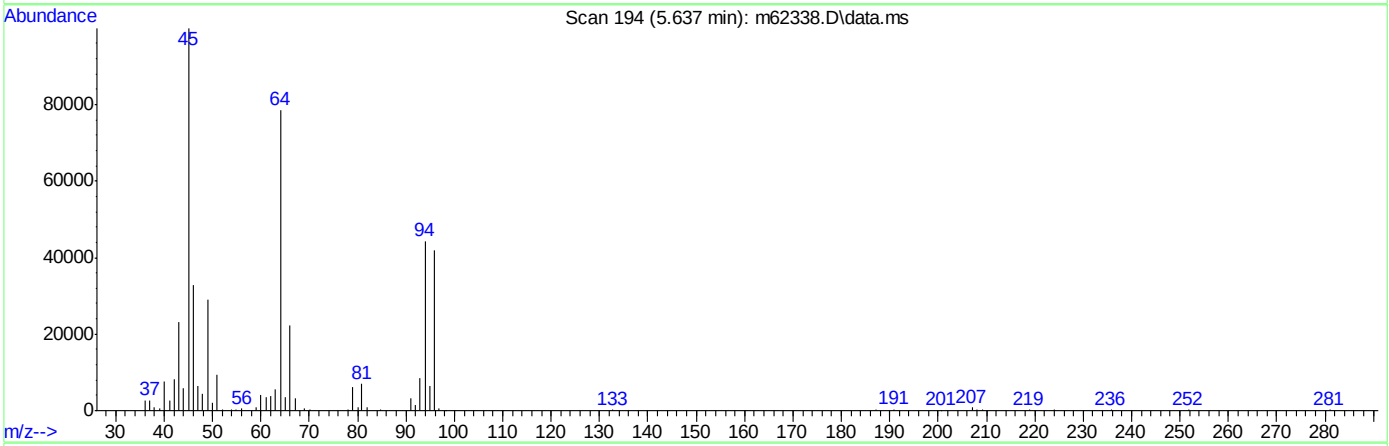
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62338.D
Acq On : 19 Dec 2013 9:21 pm
Operator : krystend
Sample : IC2178-400
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 20 08:36:13 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:47 2013
Response via : Initial Calibration





TIC: m62338.D\data.ms

(3) Ethanol (P)

5.637min (-0.013) 43120.61ug/kg m

response 1200397

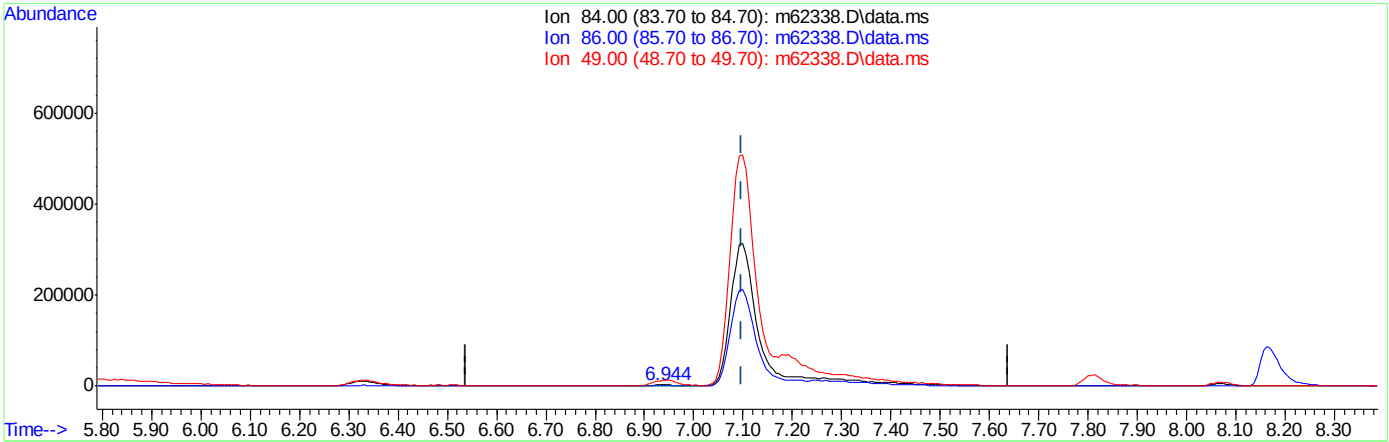
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	43.81#
0.00	0.00	0.00
0.00	0.00	0.00

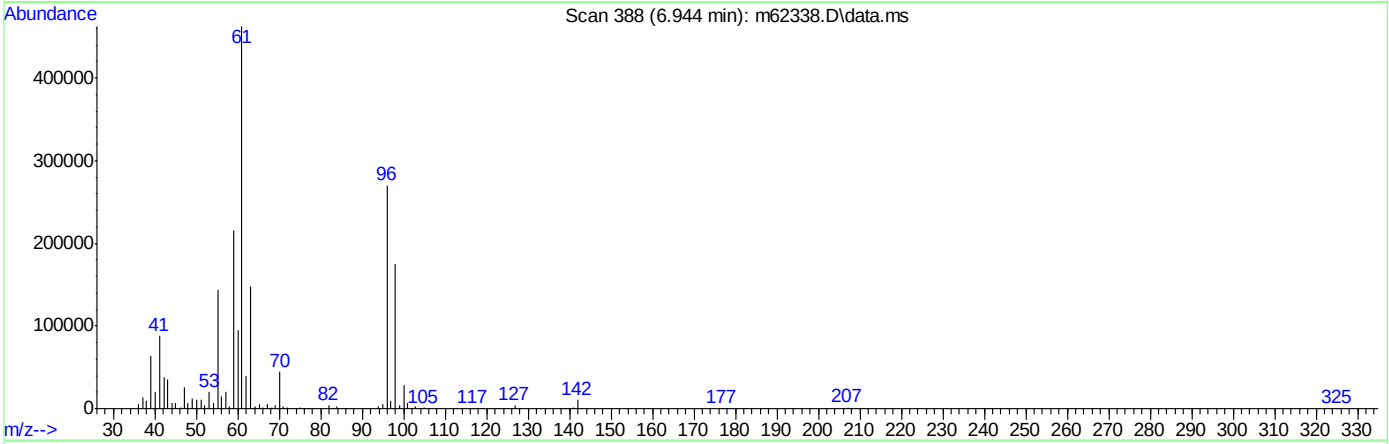
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62338.D
Acq On : 19 Dec 2013 9:21 pm
Operator : krystend
Sample : IC2178-400
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 20 08:37:54 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 08:35:47 2013
Response via : Initial Calibration





TIC: m62338.D\data.ms

(18) methylene chloride (P)

6.944min (-0.155) 2.53ug/kg

response 9495

Ion	Exp%	Act%
84.00	100	100
86.00	62.20	14.90#
49.00	150.30	396.83#
0.00	0.00	0.00

ACCUTEST LABORATORIES MC27146

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/20/13 10:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:10:02 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9		6.836	65	125536	500.00	ug/kg	-0.01
4) pentafluorobenzene		9.349	168	408742	50.00	ug/kg	0.00
42) 1,4-difluorobenzene		10.225	114	611206m	50.00	ug/kg	0.00
65) chlorobenzene-d5		13.505	82	257340m	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4		16.065	152	356205	50.00	ug/kg	0.00
System Monitoring Compounds							
39) dibromofluoromethane (s)		8.985	113	131243	36.96	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	73.92%		
59) toluene-d8 (s)		12.037	98	343447	32.48	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	64.96%#		
81) bromofluorobenzene (s)		14.731	95	170150	35.10	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130			Recovery =	70.20%		
Target Compounds							Qvalue
2) tertiary butyl alcohol		6.930	59	248913	519.93	ug/kg	87
3) Ethanol		5.644	45	143625	6241.80	ug/kg#	100
5) dichlorodifluoromethane		4.425	85	142657m	42.41	ug/kg	
6) chloromethane		4.701	50	208394	39.97	ug/kg	93
7) vinyl chloride		4.957	62	167020	40.43	ug/kg	96
8) bromomethane	...	5.496	96	142939	37.92	ug/kg	97
9) chloroethane		5.671	64	104773m	47.55	ug/kg	
10) ethyl ether		6.573	59	125726	46.04	ug/kg	92
11) acetonitrile		6.573	41	40512	44.00	ug/kg	85
12) trichlorofluoromethane		6.331	101	342598	39.41	ug/kg	91
13) freon-113		7.139	101	127686	41.96	ug/kg	96
14) acrolein		6.344	56	25313	54.37	ug/kg	92
15) 1,1-dichloroethene		6.937	96	146887	50.84	ug/kg	86
16) acetone		6.526	58	17983	43.60	ug/kg#	68
17) Methyl Acetate		7.133	43	176888	42.18	ug/kg	88
18) methylene chloride		7.099	84	153048	43.11	ug/kg	85
19) methyl tert butyl ether		7.894	73	375567	43.86	ug/kg	99
20) acrylonitrile		6.998	53	143203	95.02	ug/kg	91
21) allyl chloride		7.193	41	255742	42.04	ug/kg	96
22) trans-1,2-dichloroethene		7.806	96	154637	48.32	ug/kg	98
23) iodomethane		7.005	142	348267	41.08	ug/kg	96
24) carbon disulfide		7.388	76	393004	41.89	ug/kg	98
25) propionitrile		8.156	54	25583	47.75	ug/kg	100
26) vinyl acetate		8.170	43	351605	45.25	ug/kg	99
27) chloroprene		8.439	53	288138	42.14	ug/kg	97
28) di-isopropyl ether		8.480	45	573028	41.68	ug/kg	95
29) methacrylonitrile		8.601	41	113681	46.42	ug/kg	98
30) 2-butanone		8.507	72	20180	46.18	ug/kg#	58
31) 1,1-dichloroethane		8.069	63	276369	40.97	ug/kg	93
32) tert-butyl ethyl ether		8.884	59	439136	45.40	ug/kg	97
33) isobutyl alcohol		8.884	43	91312m	242.90	ug/kg	
34) 2,2-dichloropropane		8.945	77	192950	46.13	ug/kg	100
35) cis-1,2-dichloroethene		8.655	96	181151	41.43	ug/kg	92
36) ethyl acetate		8.884	43	134706m	48.09	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:10:02 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	122767	43.26	ug/kg	96
38) chloroform	8.857	83	308657	40.01	ug/kg	100
40) Tetrahydrofuran	9.194	42	66534	48.05	ug/kg	96
41) 1,1,1-trichloroethane	9.625	97	274782	35.63	ug/kg	97
43) Cyclohexane	9.915	56	227529	37.10	ug/kg	99
44) carbon tetrachloride	9.995	117	307168	36.49	ug/kg	99
45) 1,1-dichloropropene	9.800	75	191508	40.23	ug/kg	99
46) benzene	10.029	78	571163	39.62	ug/kg	100
47) 1,2-dichloroethane	9.524	62	286759	41.73	ug/kg	97
48) tert-amyl methyl ether	10.144	73	331348	45.00	ug/kg	98
49) heptane	10.507	43	227328	35.15	ug/kg	98
50) trichloroethene	10.656	95	223611m	43.23	ug/kg	
51) 1,2-dichloropropane	10.622	63	157664	43.05	ug/kg	98
52) dibromomethane	10.595	93	127588	44.97	ug/kg	93
53) bromodichloromethane	10.710	83	261239	41.42	ug/kg	97
54) Methylcyclohexane	11.174	83	228621	39.42	ug/kg	95
55) 2-chloroethyl vinyl ether	11.080	63	51718	44.28	ug/kg	97
56) methyl methacrylate	10.797	69	104686	48.76	ug/kg	85
57) 1,4-dioxane	10.797	88	9596	247.31	ug/kg#	46
58) cis-1,3-dichloropropene	11.329	75	253138	41.95	ug/kg	98
60) 4-methyl-2-pentanone	11.417	43	206586	47.10	ug/kg	98
61) toluene	12.111	92	387066	40.79	ug/kg	91
62) trans-1,3-dichloropropene	11.747	75	258922	46.21	ug/kg	95
63) 1,1,2-trichloroethane	11.922	83	127557	46.03	ug/kg	94
64) ethyl methacrylate	12.124	69	202710	48.06	ug/kg	97
66) tetrachloroethene	12.852	166	205483	36.40	ug/kg	95
67) 1,3-dichloropropane	12.158	76	244203	45.07	ug/kg	97
68) dibromochloromethane	12.454	129	288438	45.09	ug/kg	97
69) 1,2-dibromoethane	12.710	107	196729	45.94	ug/kg	100
70) 2-hexanone	12.279	43	150092	44.77	ug/kg	98
71) chlorobenzene	13.539	112	560007	40.39	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.458	131	254742	42.95	ug/kg	100
73) ethylbenzene	13.707	91	770626	40.08	ug/kg	99
74) m,p-xylene	13.896	106	658486	79.02	ug/kg	97
75) o-xylene	14.307	106	338247	39.53	ug/kg	98
76) styrene	14.233	104	575603	43.53	ug/kg	94
77) bromoform	14.064	173	203892	45.21	ug/kg	97
78) trans-1,4-dichloro-2-b...	14.455	53	84967	45.67	ug/kg#	82
80) isopropylbenzene	14.671	105	876808	37.33	ug/kg	98
82) bromobenzene	14.960	156	277290	41.13	ug/kg	94
83) 1,1,2,2-tetrachloroethane	14.313	83	235245	49.17	ug/kg	94
84) 1,2,3-trichloropropane	14.462	75	263947	49.05	ug/kg	97
85) n-propylbenzene	15.115	91	859911	35.97	ug/kg	100
86) 2-chlorotoluene	15.236	91	578830	37.50	ug/kg	96
87) 4-chlorotoluene	15.317	91	589213	38.69	ug/kg	96
88) 1,3,5-trimethylbenzene	15.391	105	767453	38.45	ug/kg	98
89) tert-butylbenzene	15.701	91	417017	37.04	ug/kg	97
90) 1,2,4-trimethylbenzene	15.802	105	748996	37.98	ug/kg	98
91) sec-butylbenzene	15.923	105	967898	36.62	ug/kg	99
92) 1,3-dichlorobenzene	16.031	146	526977	38.24	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:10:02 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

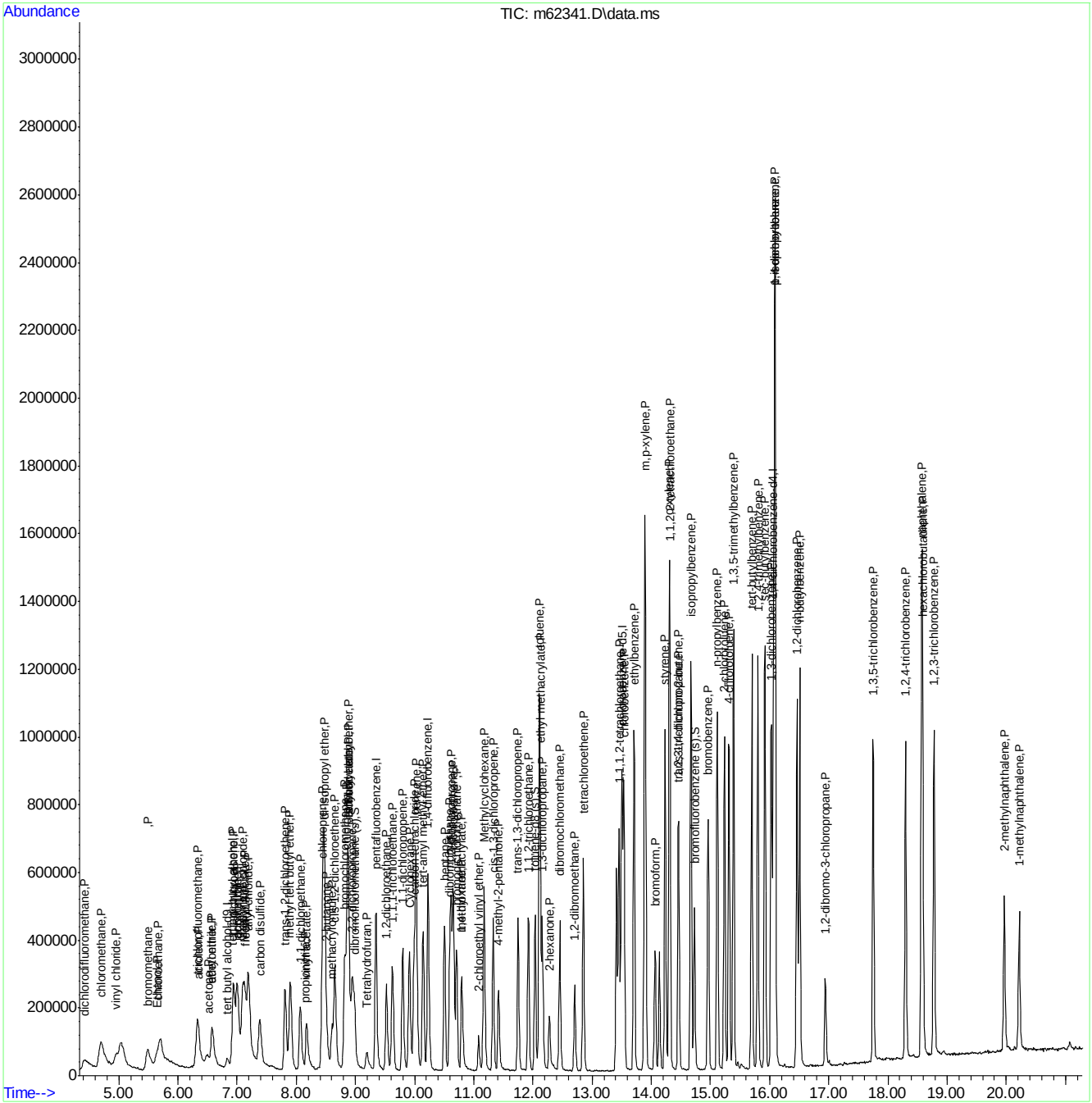
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) p-isopropyltoluene	16.092	119	919551	37.49	ug/kg	97
94) 1,4-dichlorobenzene	16.092	146	565192	39.96	ug/kg	98
95) 1,2-dichlorobenzene	16.462	146	557218	39.97	ug/kg	96
96) n-butylbenzene	16.510	91	680389	37.09	ug/kg	96
97) 1,2-dibromo-3-chloropr...	16.941	75	64156	46.39	ug/kg	96
98) 1,3,5-trichlorobenzene	17.749	180	355272	38.14	ug/kg	100
99) 1,2,4-trichlorobenzene	18.301	180	364570	39.06	ug/kg	96
100) hexachlorobutadiene	18.591	225	170162	36.34	ug/kg	95
101) naphthalene	18.571	128	1181180	45.88	ug/kg	100
102) 1,2,3-trichlorobenzene	18.780	180	376444	41.19	ug/kg	98
103) 2-methylnaphthalene	19.965	142	315119	22.58	ug/kg	99
104) 1-methylnaphthalene	20.221	TIC	1081382	23.62	ug/kg	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

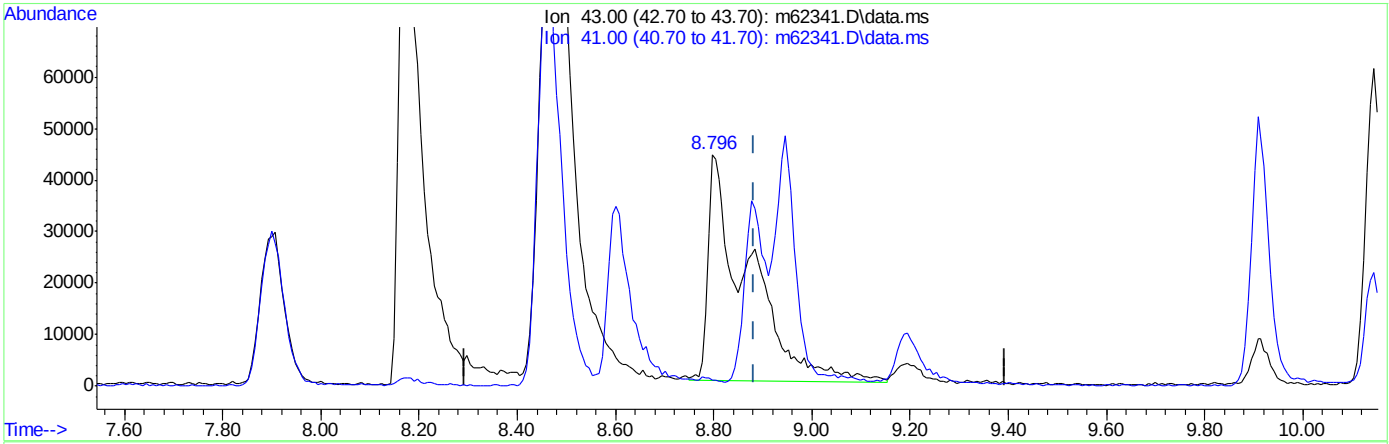
Quant Time: Dec 20 10:10:02 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

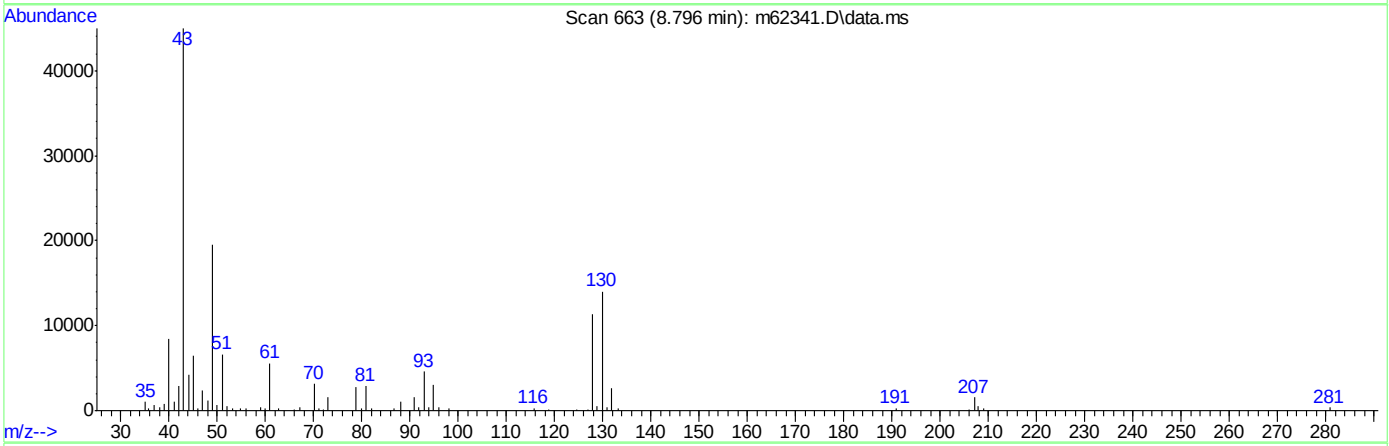


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:04:10 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:03:24 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(33) isobutyl alcohol (P)

8.796min (-0.088) 665.67ug/kg

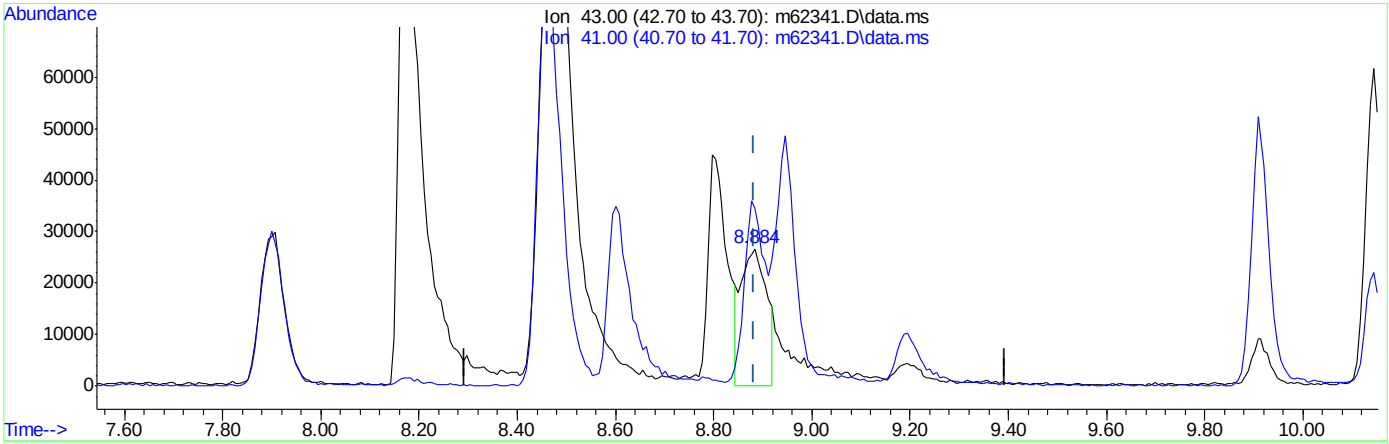
response 250244

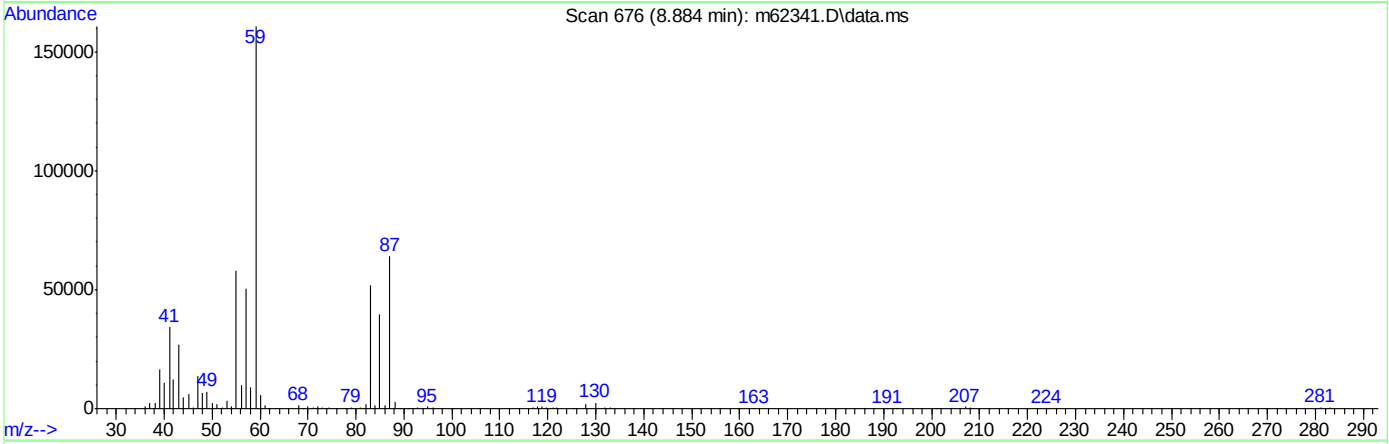
Ion	Exp%	Act%
43.00	100	100
41.00	142.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:04:10 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:03:24 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(33) isobutyl alcohol (P)

8.884min (-0.000) 250.86ug/kg m

response 94304

Ion	Exp%	Act%
43.00	100	100
41.00	142.20	128.87
0.00	0.00	0.00
0.00	0.00	0.00

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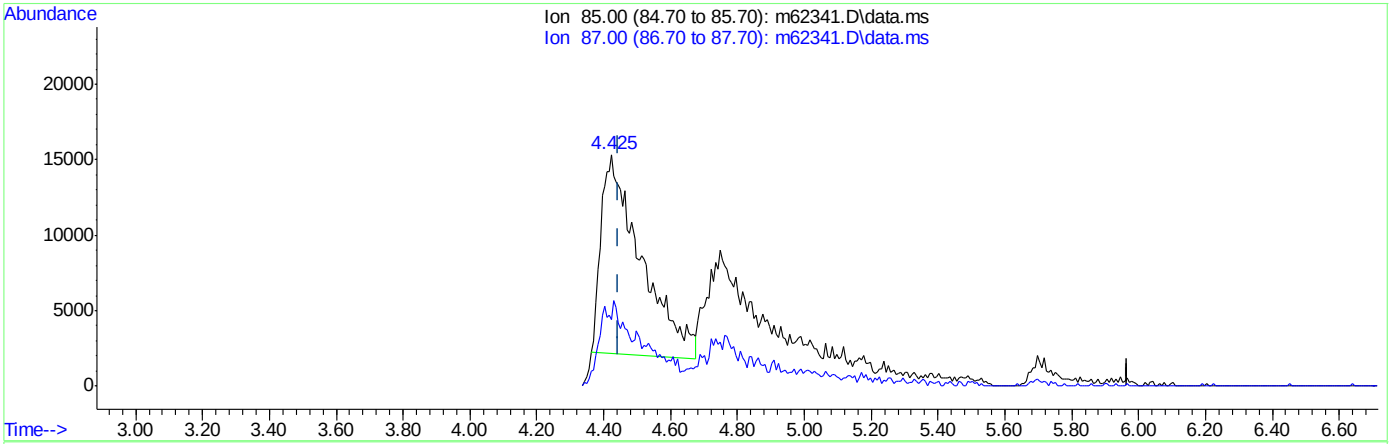
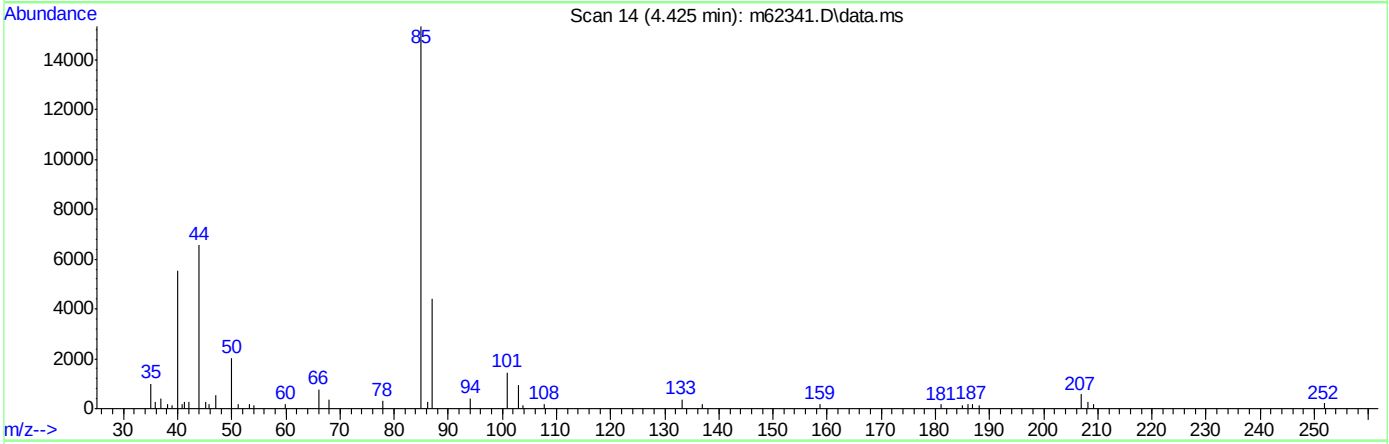
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:04:10 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:03:24 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(5) dichlorodifluoromethane (P)

4.425min (-0.021) 31.93ug/kg

response 107431

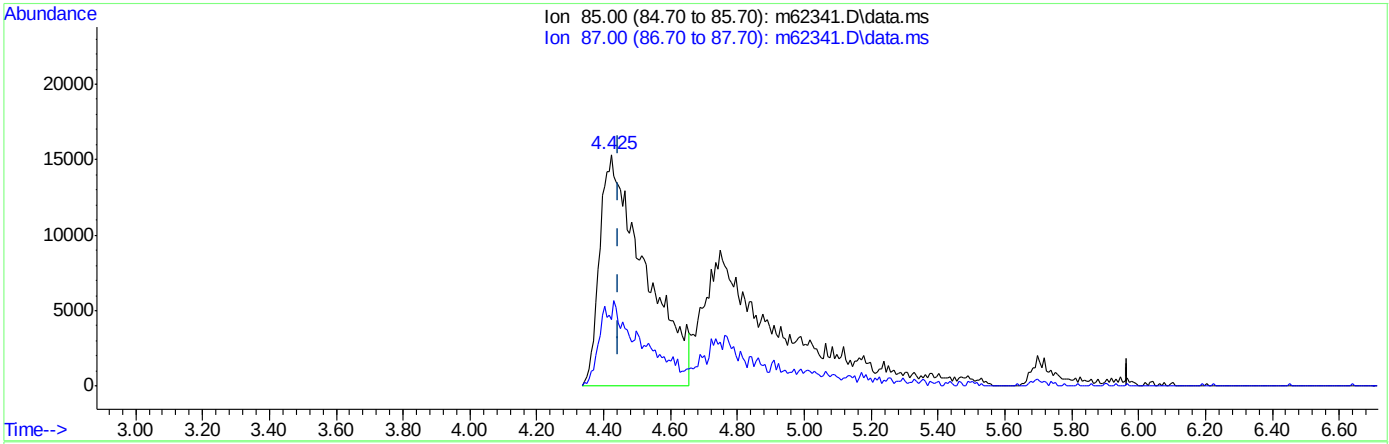
Ion	Exp%	Act%
85.00	100	100
87.00	31.20	26.10
0.00	0.00	0.00
0.00	0.00	0.00

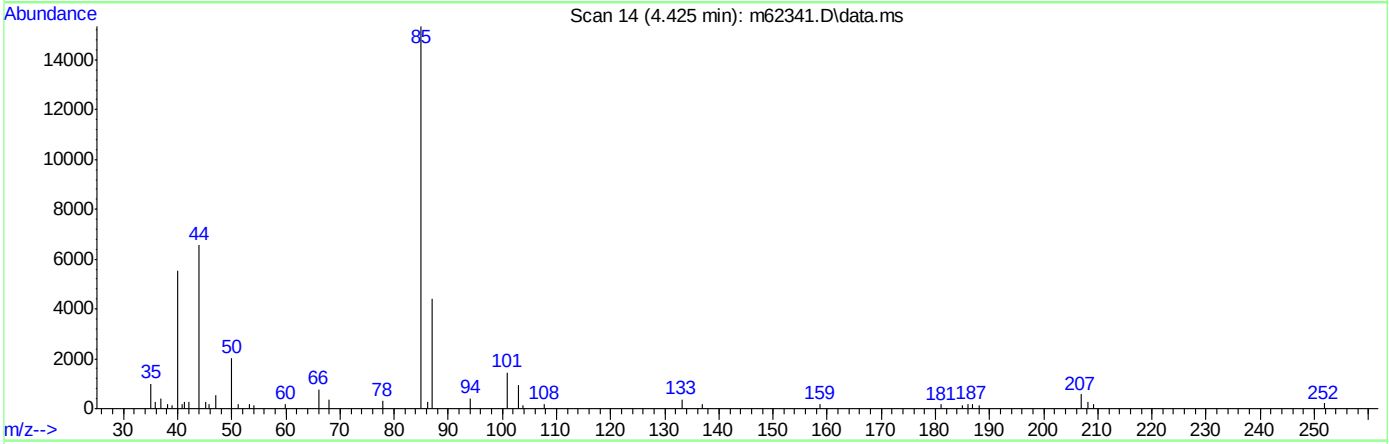
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:04:10 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:03:24 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(5) dichlorodifluoromethane (P)

4.425min (-0.021) 42.41ug/kg m

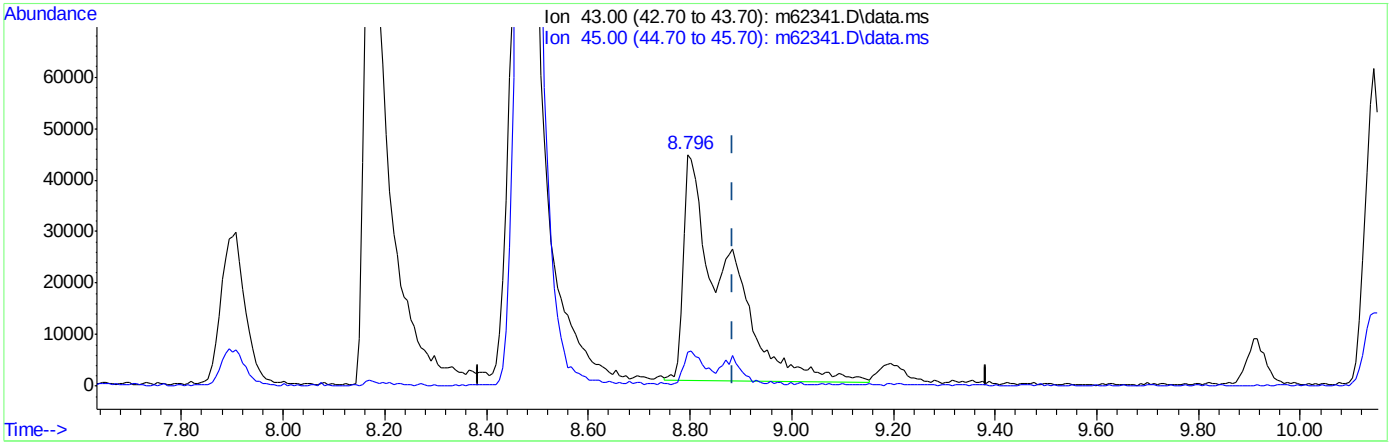
response 142657

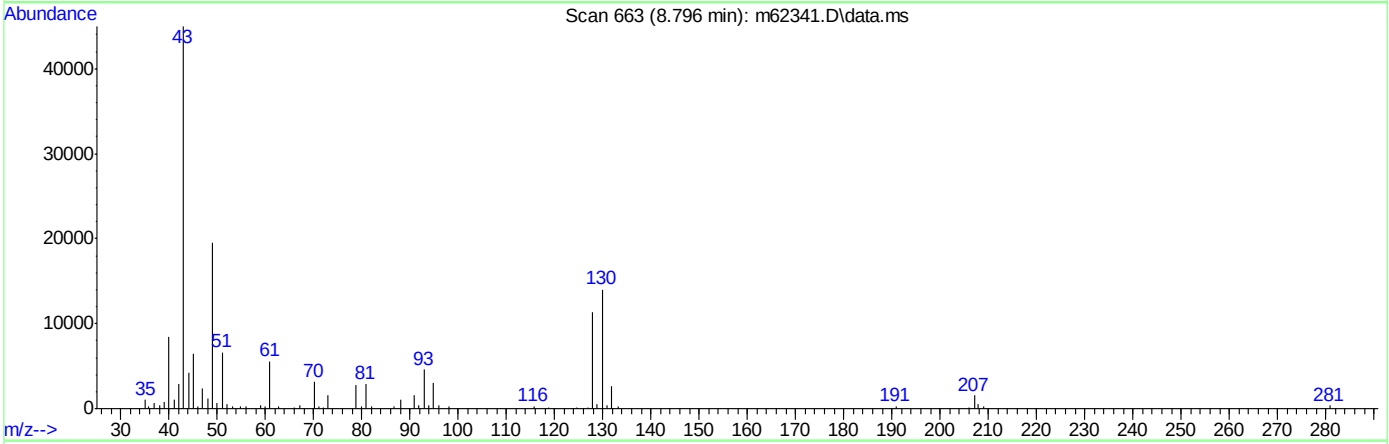
Ion	Exp%	Act%
85.00	100	100
87.00	31.20	28.75
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:04:10 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:03:24 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(36) ethyl acetate (P)

8.796min (-0.088) 89.27ug/kg

response 250062

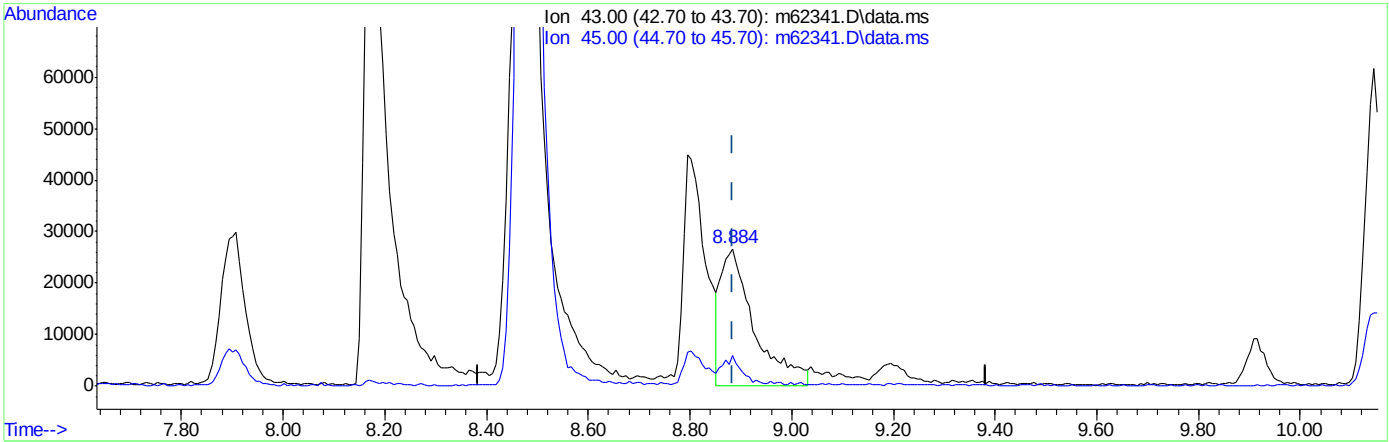
Ion	Exp%	Act%
43.00	100	100
45.00	19.90	13.93
0.00	0.00	0.00
0.00	0.00	0.00

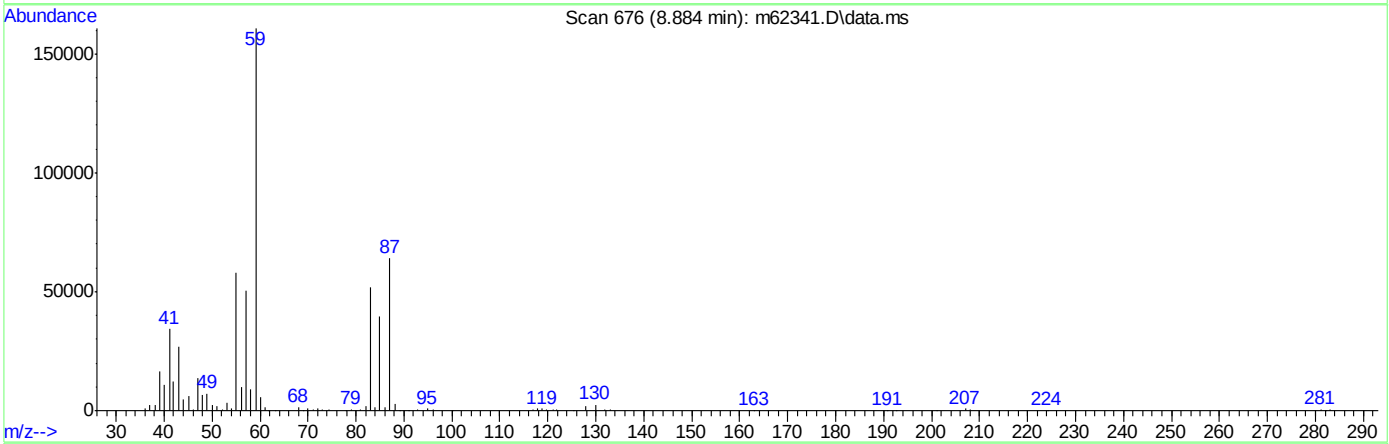
M62341.D edits: ethyl acetate
ACCUTEST LABORATORIES MC27146
7.6.10.5
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:04:10 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:03:24 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(36) ethyl acetate (P)

8.884min (-0.000) 43.95ug/kg m

response 123119

Ion	Exp%	Act%
43.00	100	100
45.00	19.90	22.36
0.00	0.00	0.00
0.00	0.00	0.00

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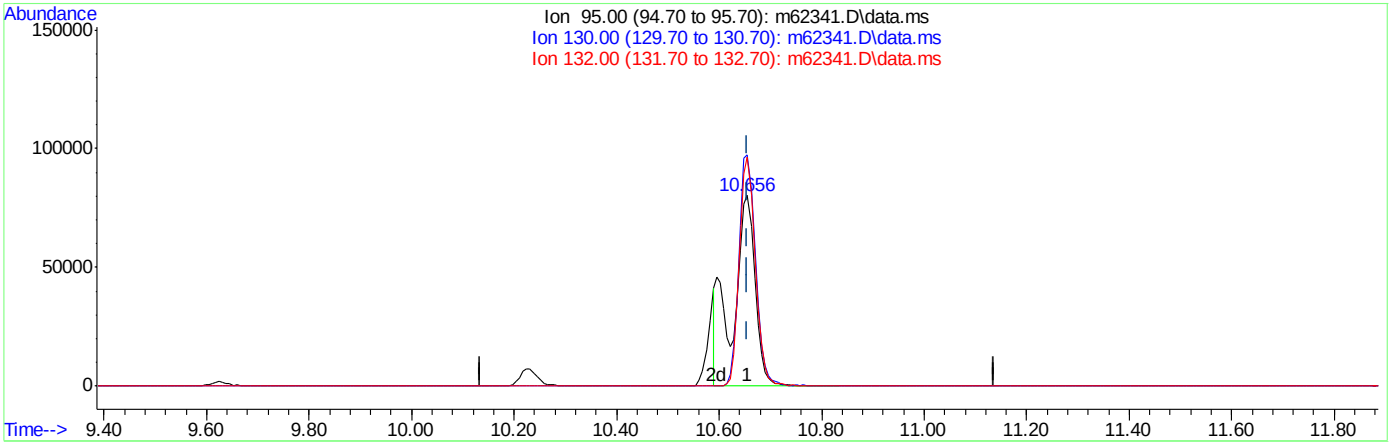
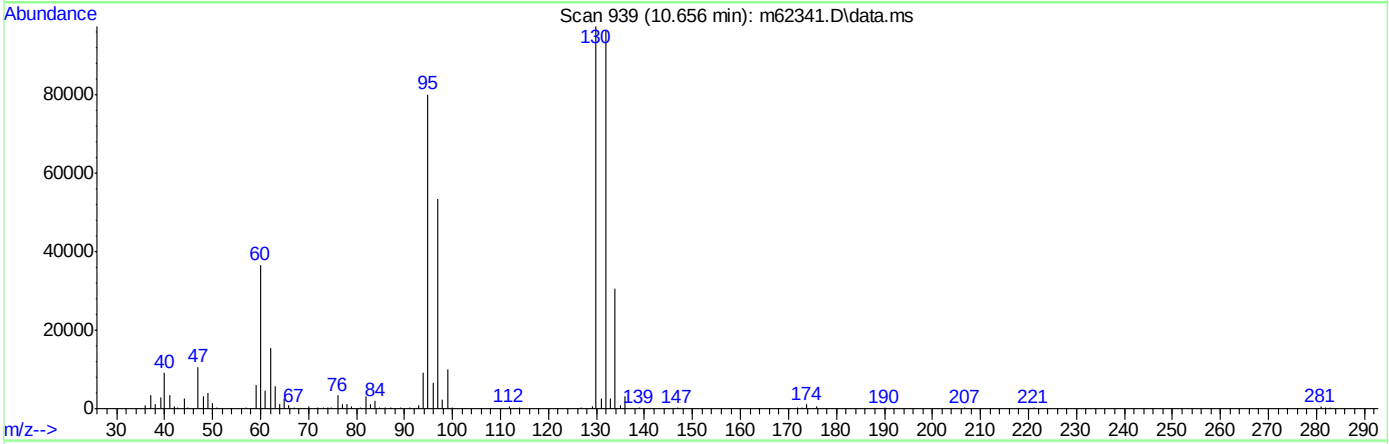
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:05:22 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:03:24 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(50) trichloroethene (P)

10.656min (-0.000) 46.36ug/kg m

response 242258

Ion	Exp%	Act%
95.00	100	100
130.00	126.60	121.62
132.00	118.90	120.16
0.00	0.00	0.00

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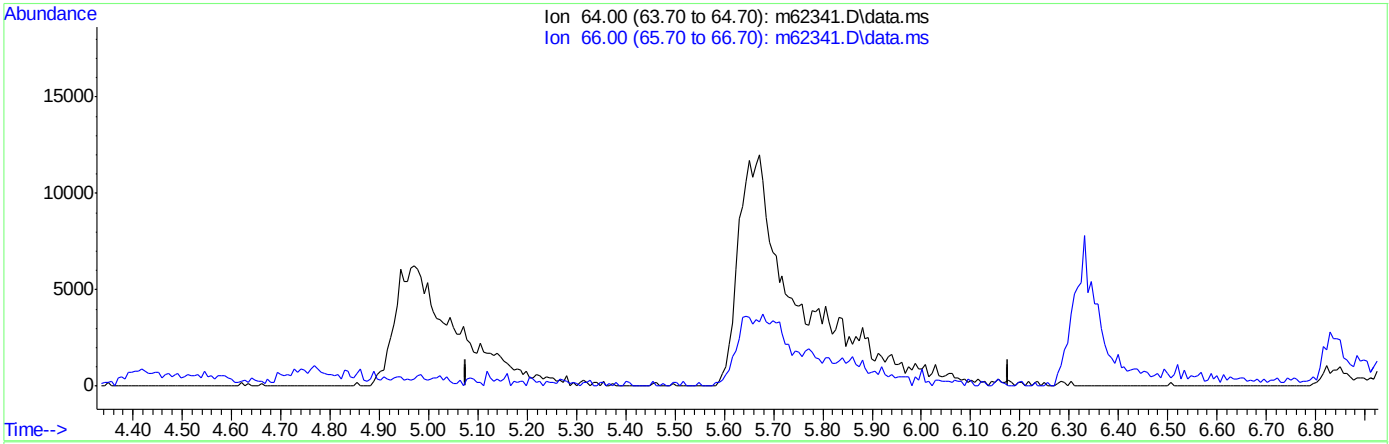
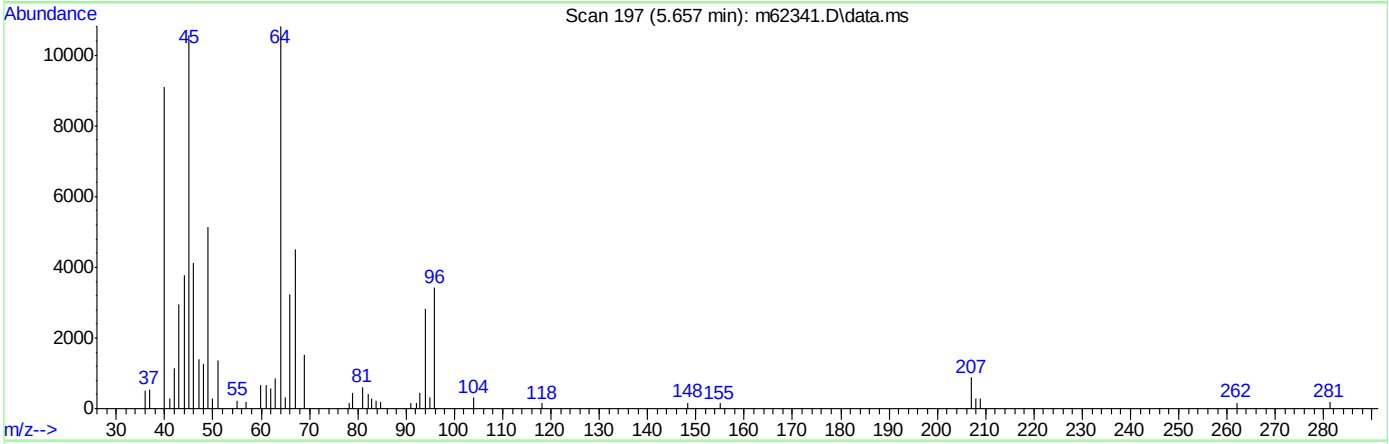
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:08:15 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(9) chloroethane (P)

5.657min (-5.657) 0.00ug/kg

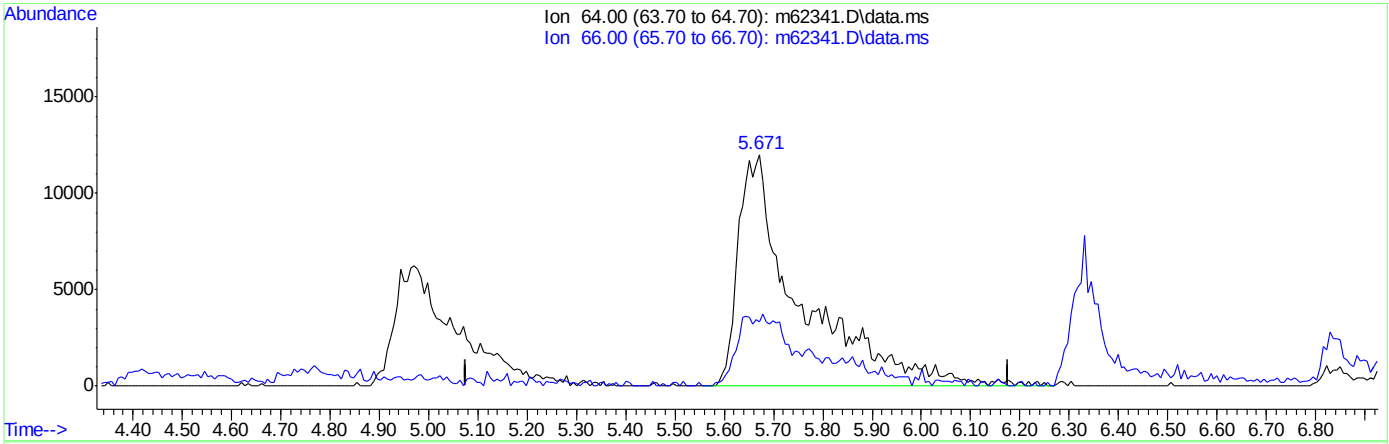
response 0

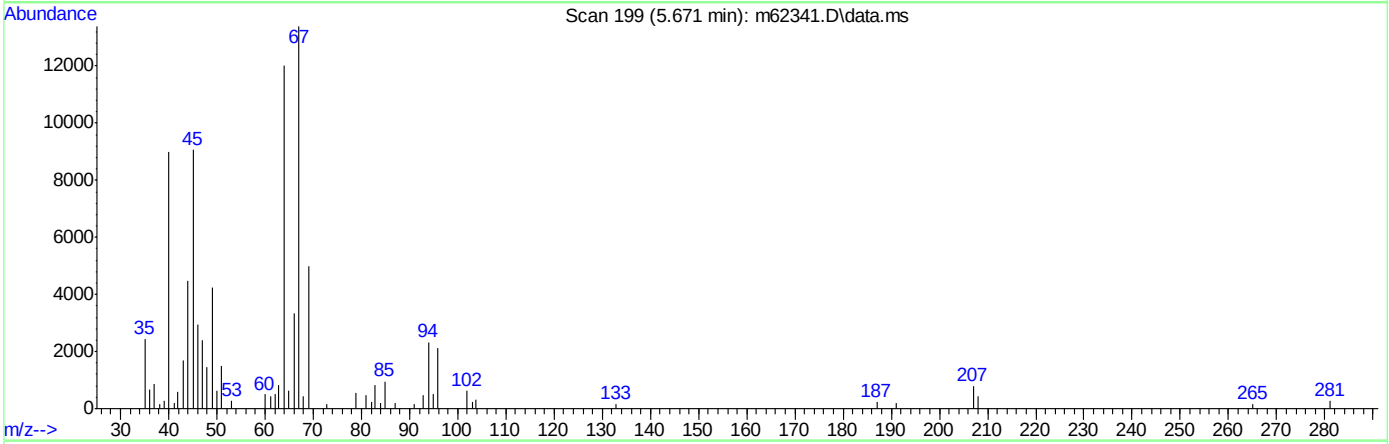
Ion	Exp%	Act%
64.00	100	0.00
66.00	30.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:08:15 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(9) chloroethane (P)

5.671min (+0.014) 47.55ug/kg m

response 104773

Ion	Exp%	Act%
64.00	100	100
66.00	30.40	27.84
0.00	0.00	0.00
0.00	0.00	0.00

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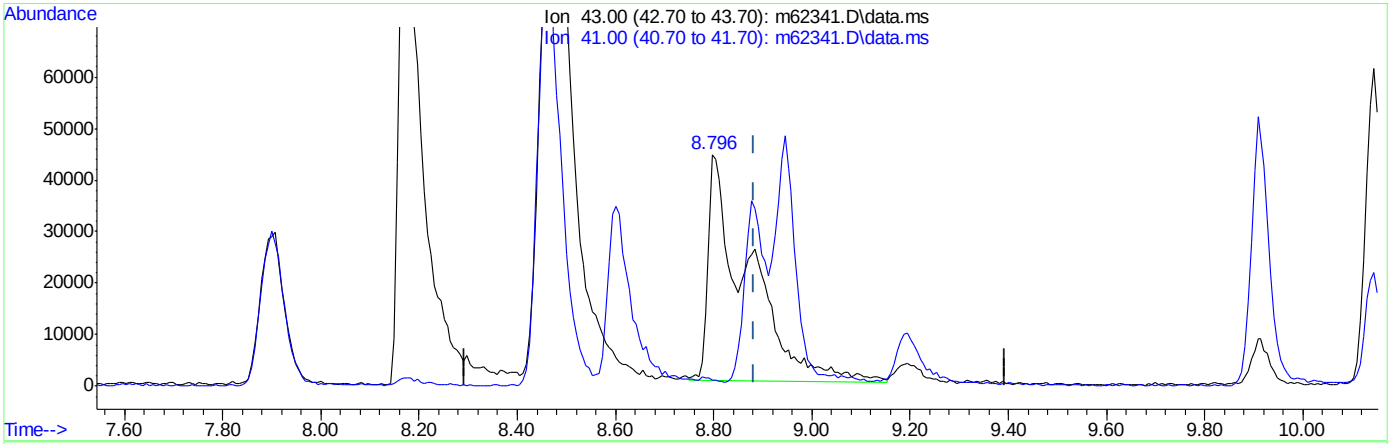
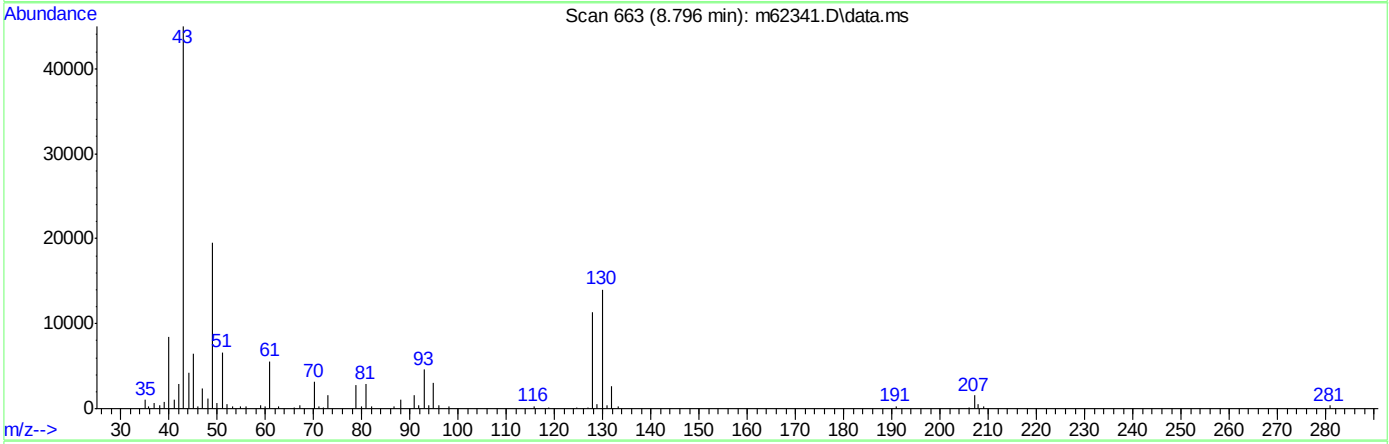
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:08:15 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(33) isobutyl alcohol (P)

8.796min (-0.088) 665.67ug/kg

response 250244

Ion	Exp%	Act%
43.00	100	100
41.00	142.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

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MC27146

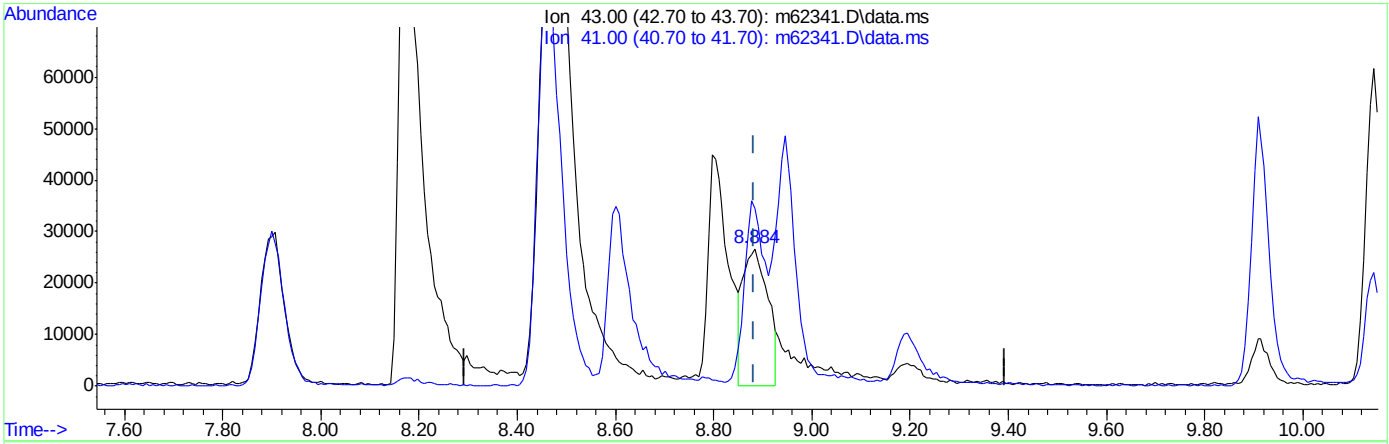
M62341.D edits: isobutyl alcohol

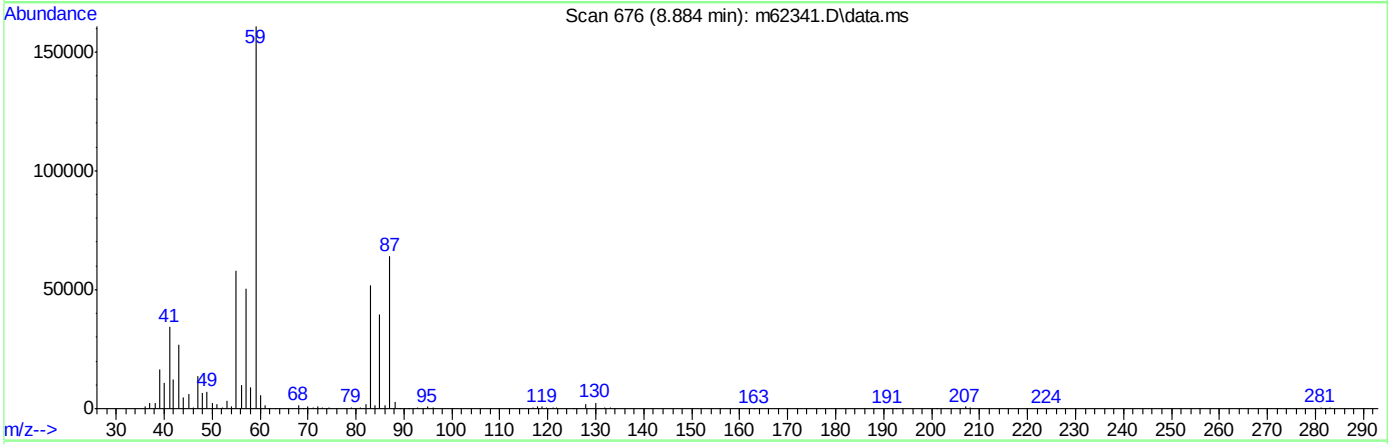
7.6.10.10
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:08:15 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(33) isobutyl alcohol (P)

8.884min (-0.000) 242.90ug/kg m

response 91312

Ion	Exp%	Act%
43.00	100	100
41.00	142.20	128.87
0.00	0.00	0.00
0.00	0.00	0.00

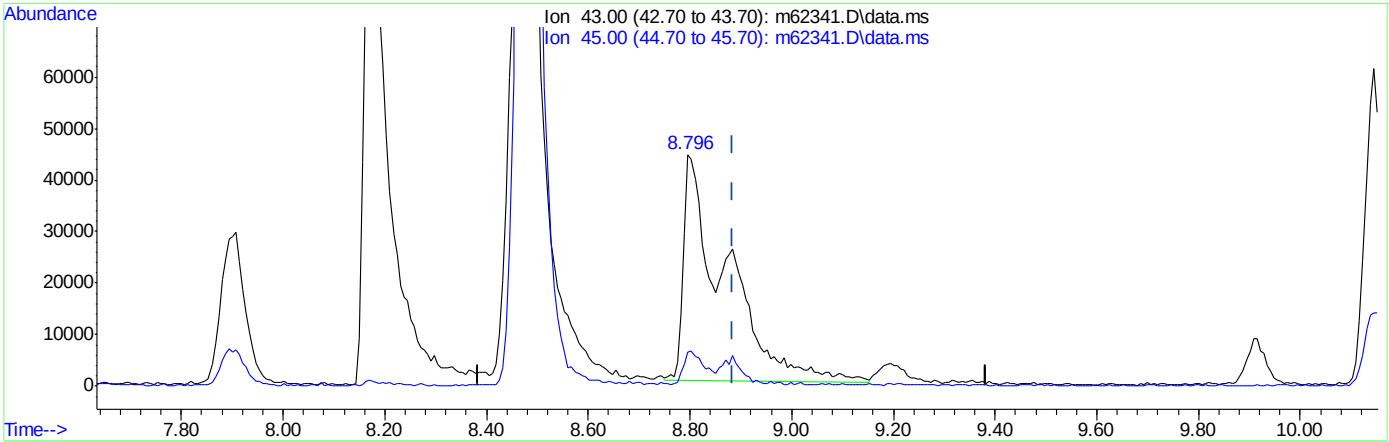
M62341.D edits: isobutyl alcohol

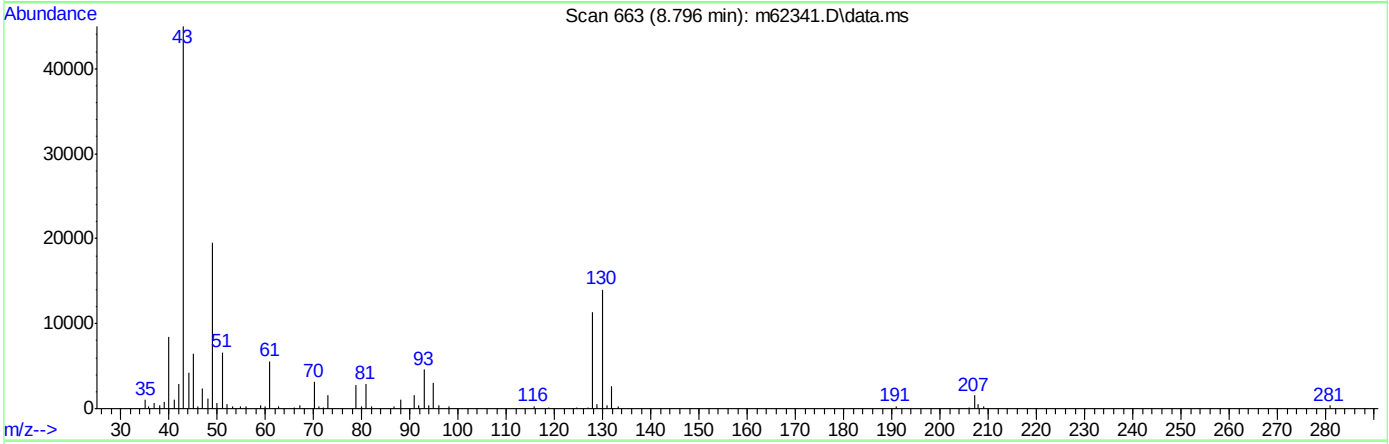
MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:08:15 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(36) ethyl acetate (P)

8.796min (-0.088) 89.27ug/kg

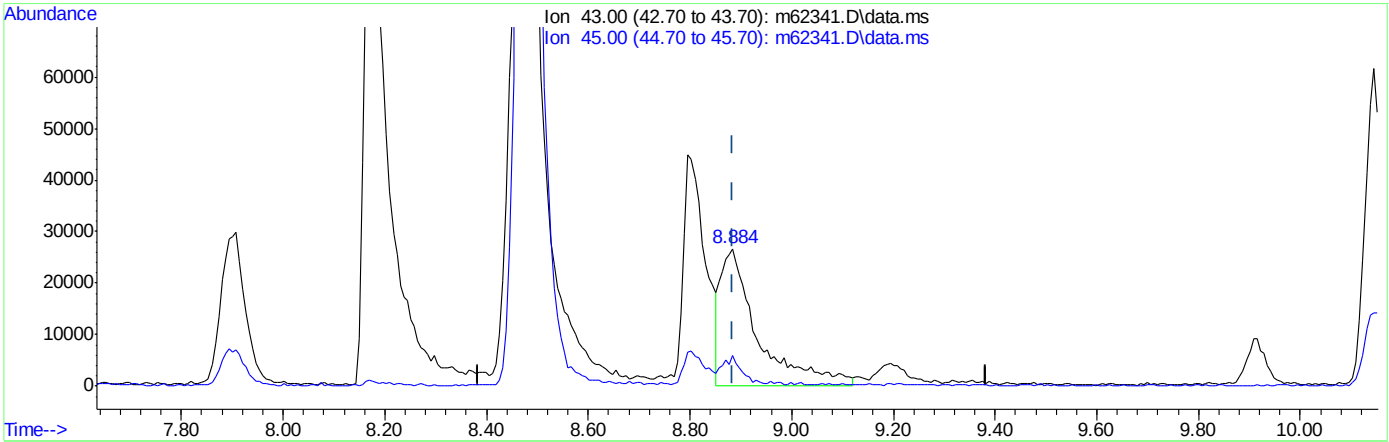
response 250062

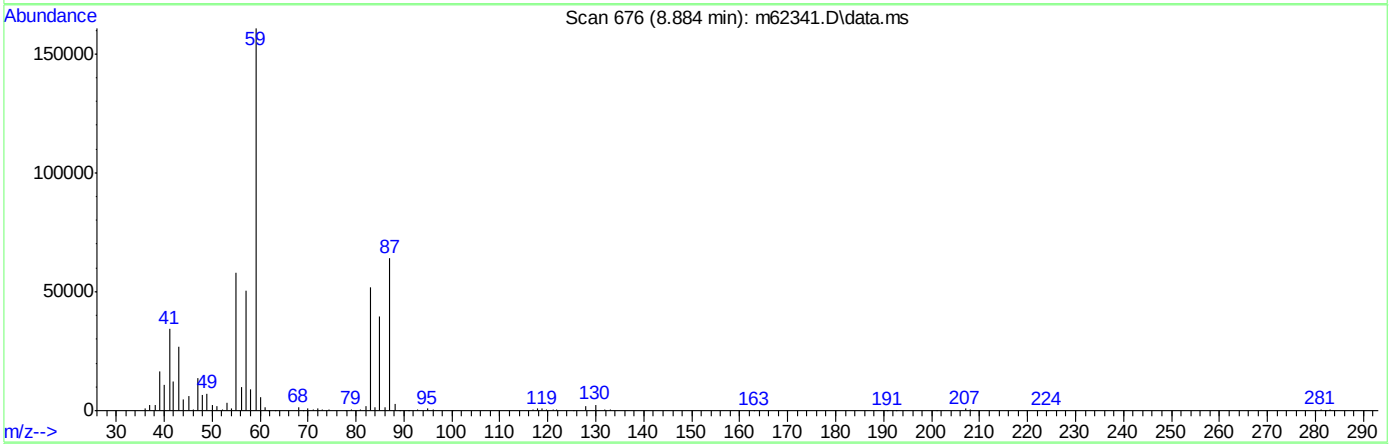
Ion	Exp%	Act%
43.00	100	100
45.00	19.90	13.93
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:08:15 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(36) ethyl acetate (P)

8.884min (-0.000) 48.09ug/kg m

response 134706

Ion	Exp%	Act%
43.00	100	100
45.00	19.90	22.36
0.00	0.00	0.00
0.00	0.00	0.00

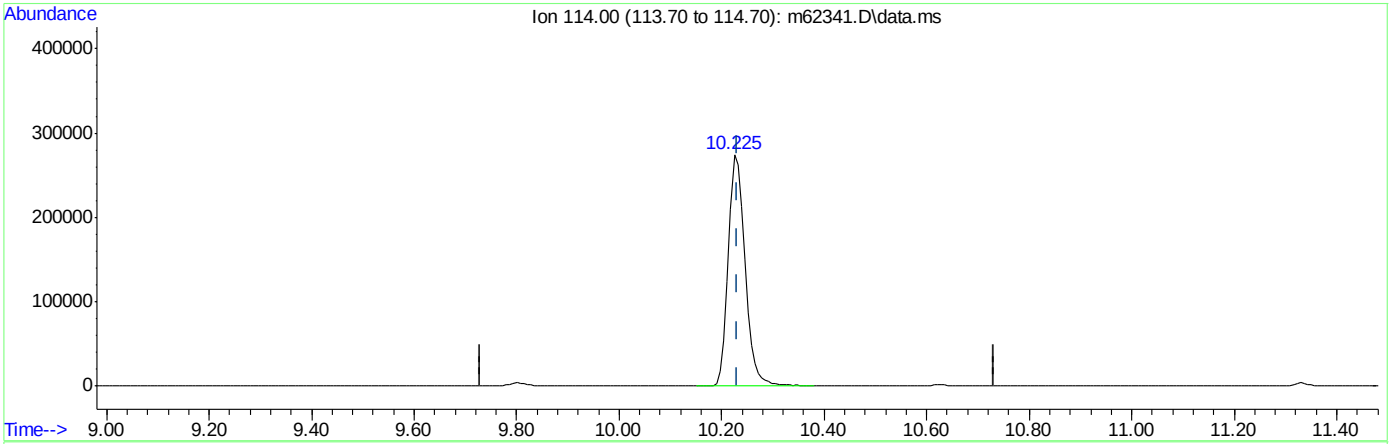
M62341.D edits: ethyl acetate

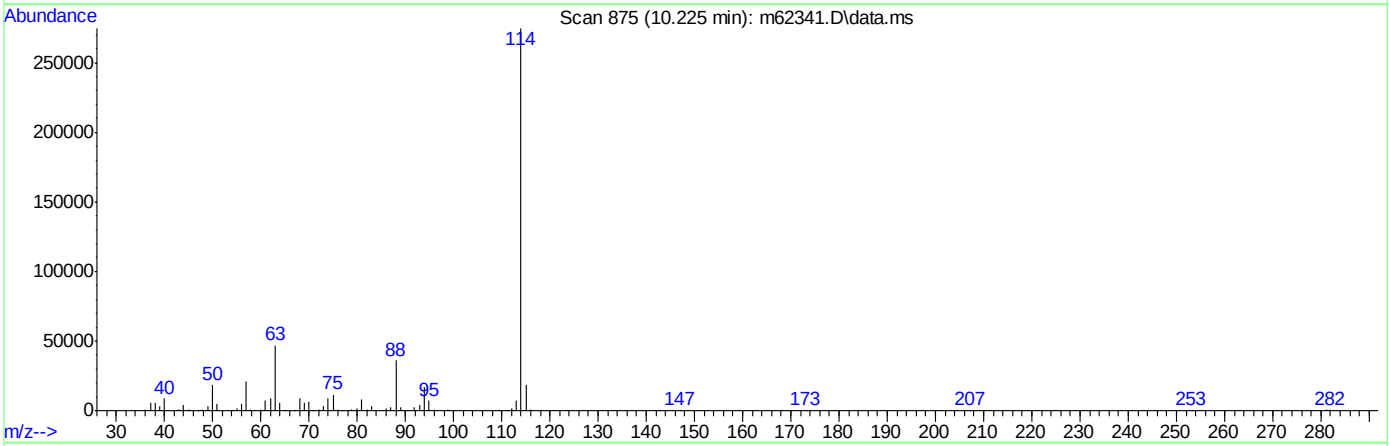
MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:08:15 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(42) 1,4-difluorobenzene (I)

10.225min (-0.006) 50.00ug/kg

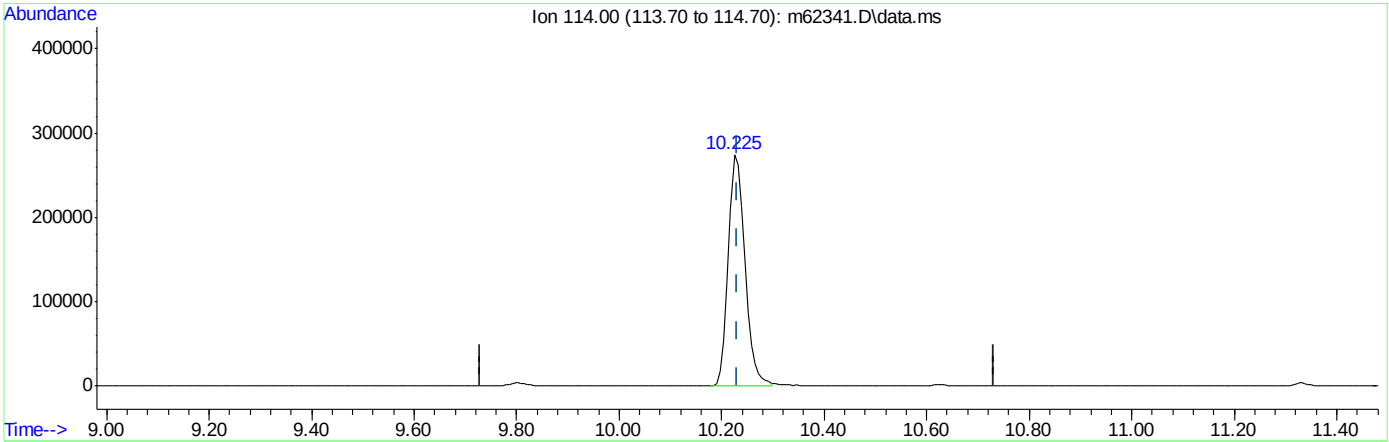
response 617393

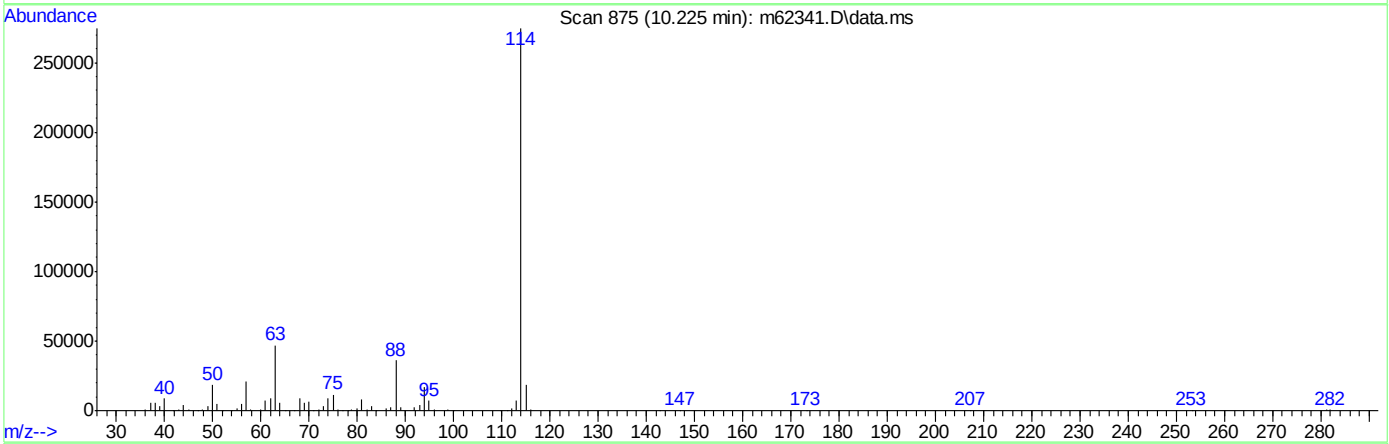
Ion	Exp%	Act%
114.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:08:15 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(42) 1,4-difluorobenzene (I)

10.225min (-0.006) 50.00ug/kg m

response 611206

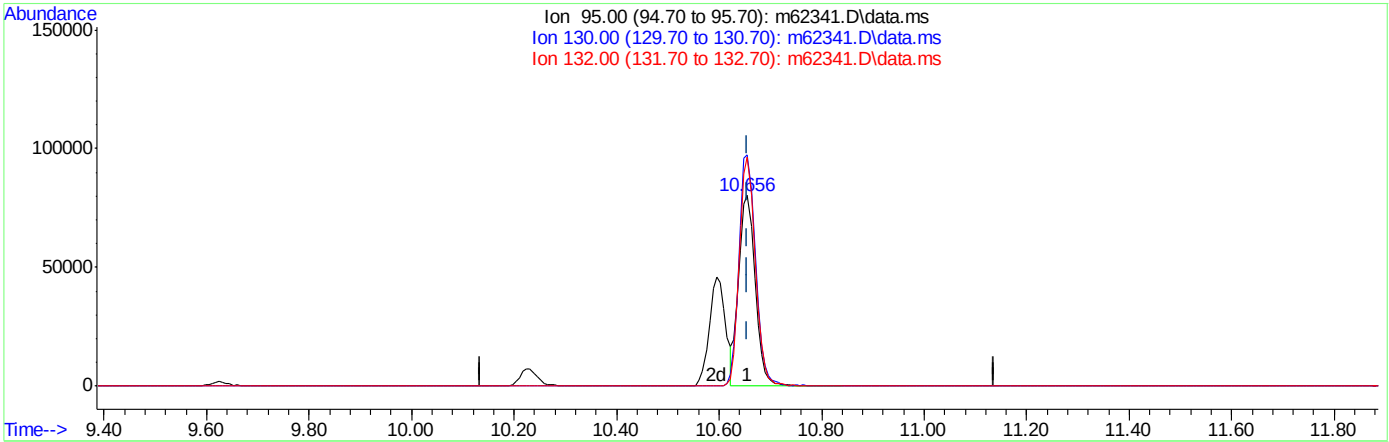
Ion	Exp%	Act%
114.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

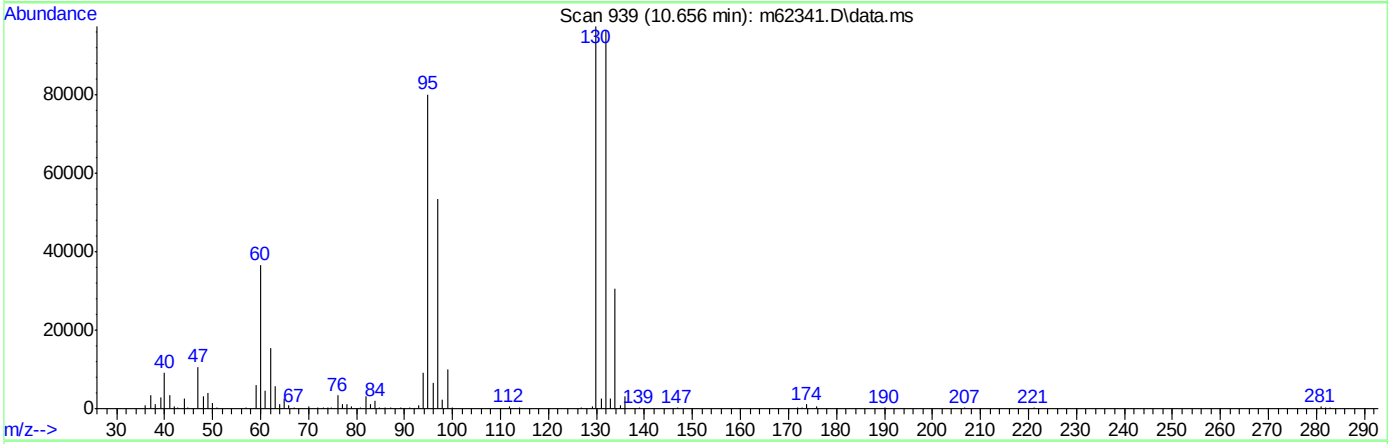
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:08:15 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(50) trichloroethene (P)

10.656min (-0.000) 34.37ug/kg

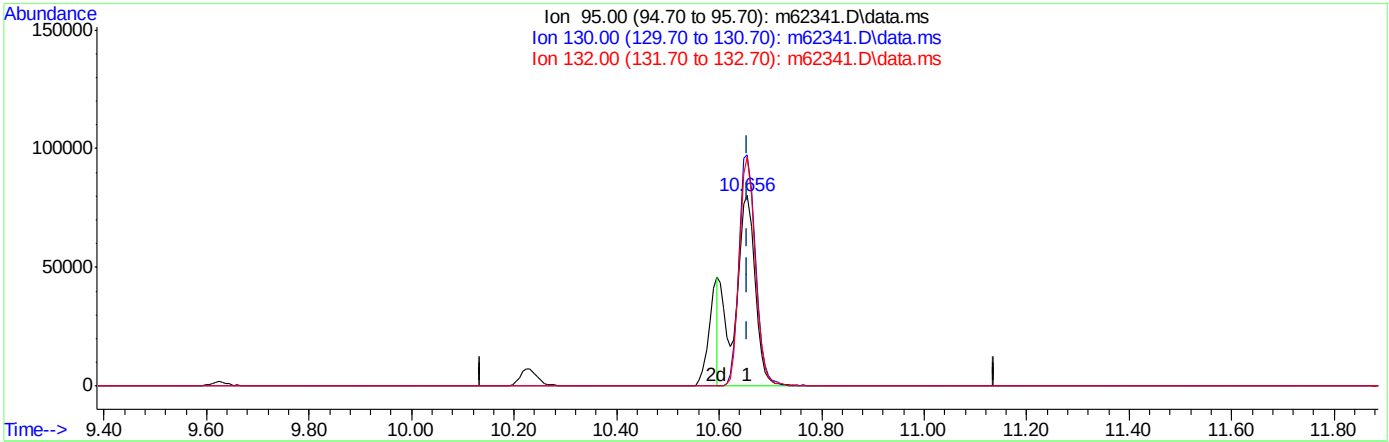
response 177801

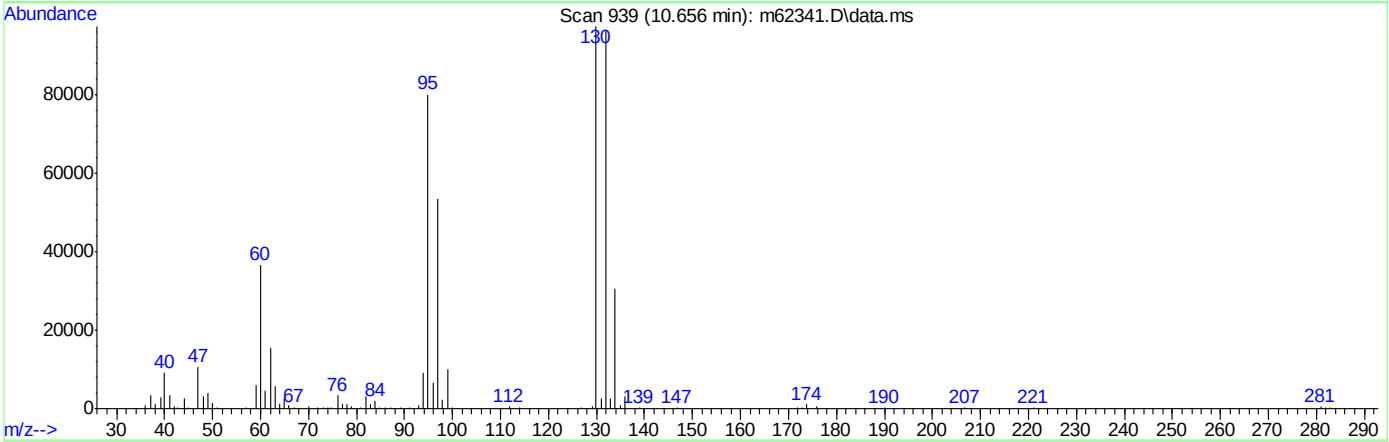
Ion	Exp%	Act%
95.00	100	100
130.00	126.60	121.62
132.00	118.90	120.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:08:15 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(50) trichloroethene (P)

10.656min (-0.000) 43.23ug/kg m

response 223611

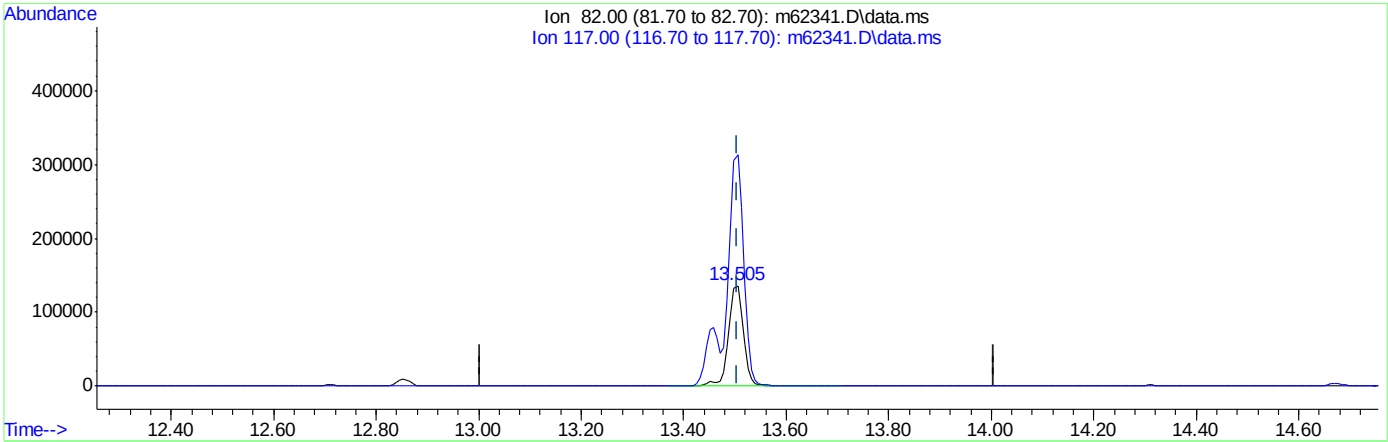
Ion	Exp%	Act%
95.00	100	100
130.00	126.60	121.62
132.00	118.90	120.16
0.00	0.00	0.00

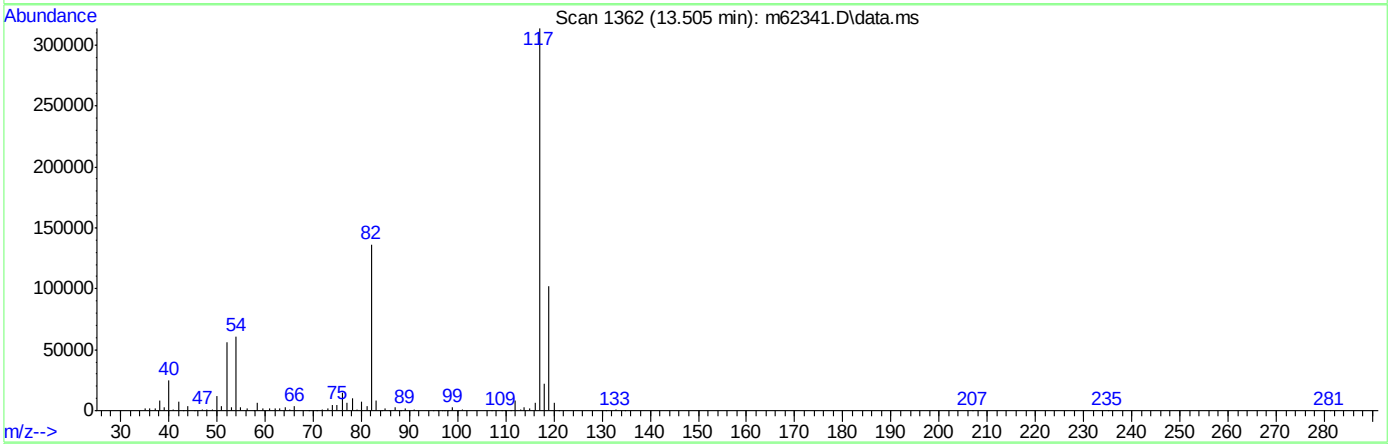
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:08:15 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(65) chlorobenzene-d5 (I)

13.505min (+0.000) 50.00ug/kg

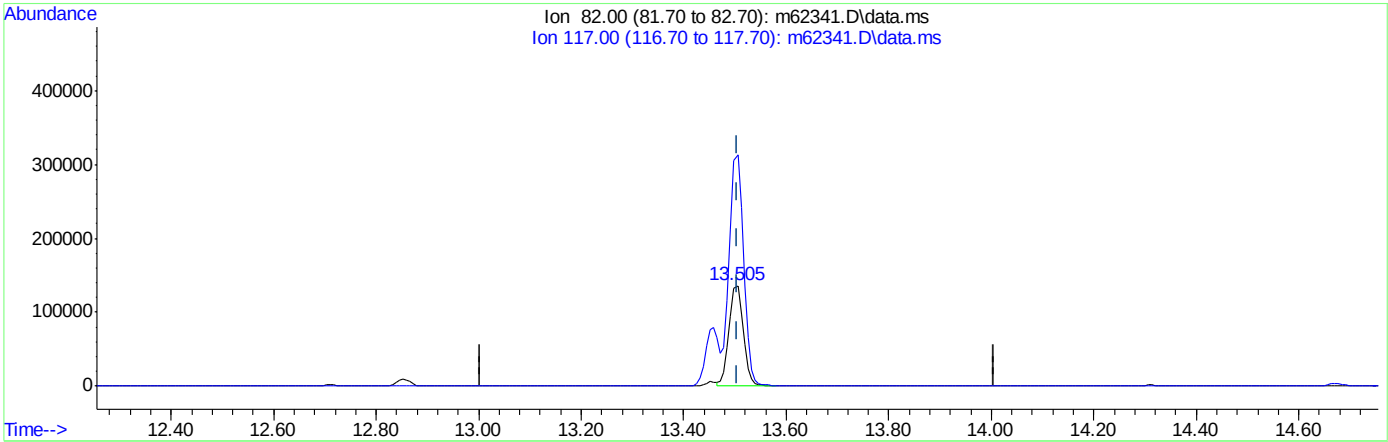
response 269067

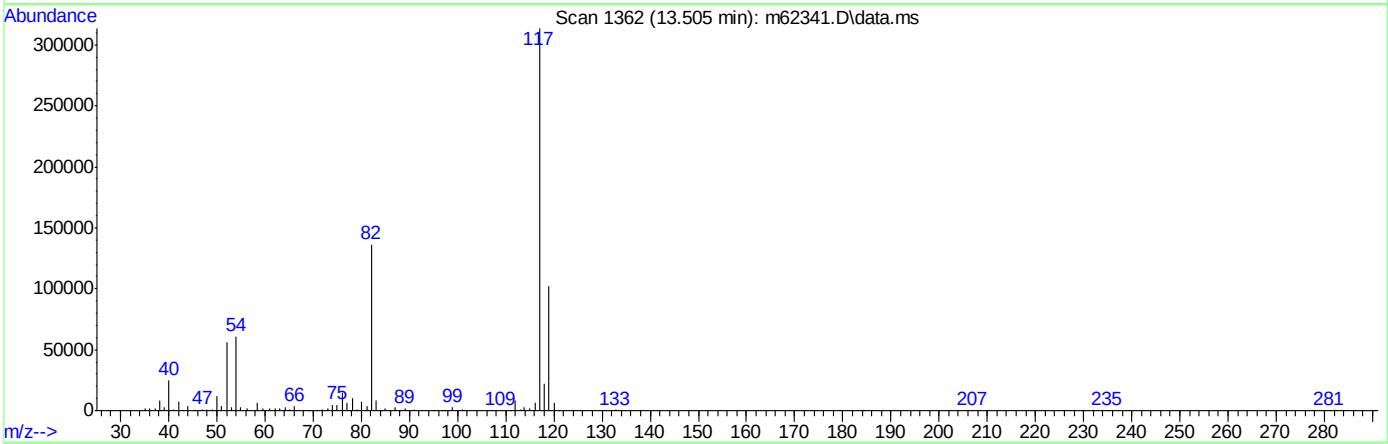
Ion	Exp%	Act%
82.00	100	100
117.00	245.70	230.26
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:08:15 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(65) chlorobenzene-d5 (I)

13.505min (+0.000) 50.00ug/kg m

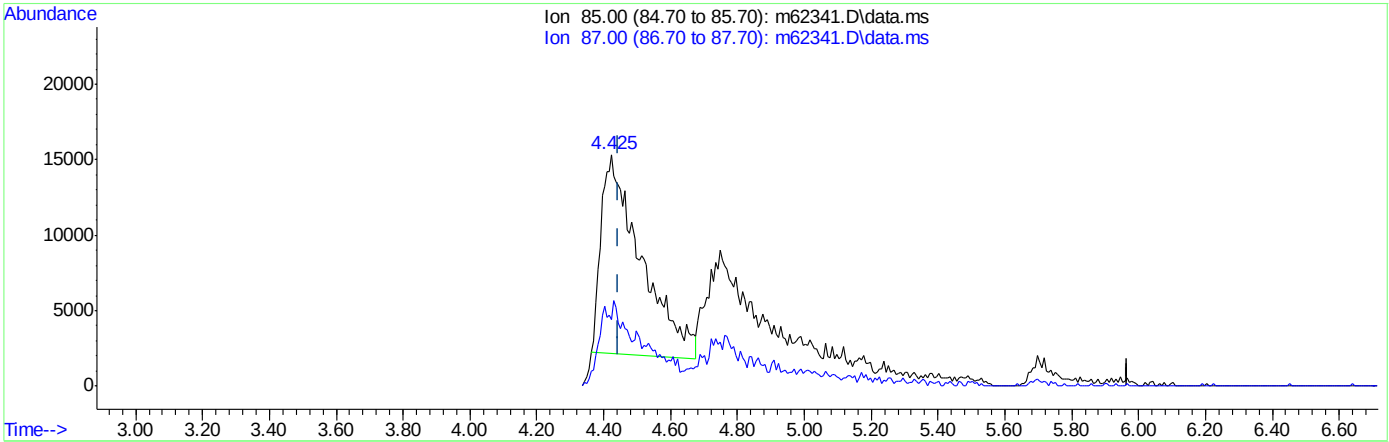
response 257340

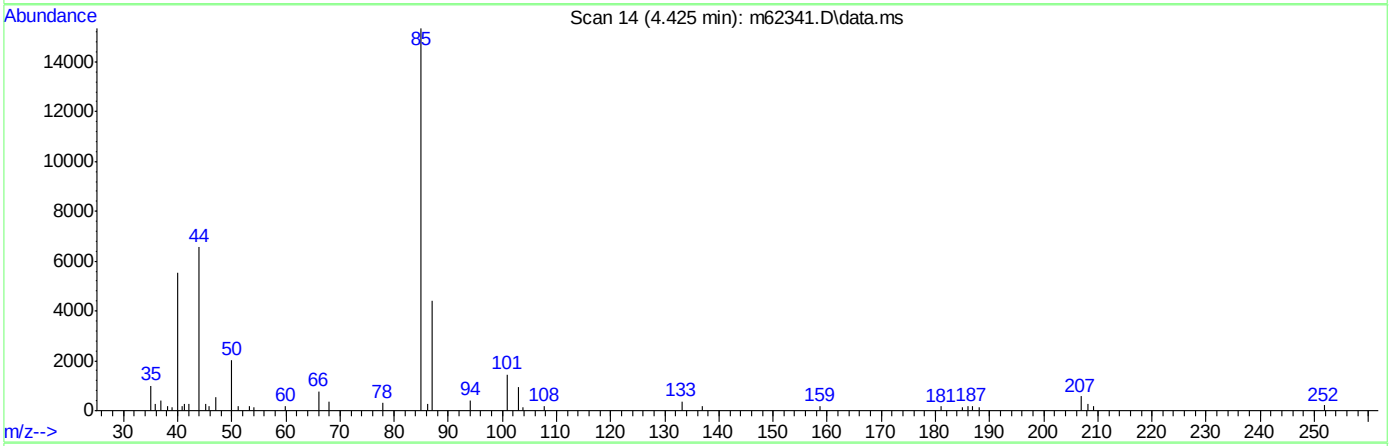
Ion	Exp%	Act%
82.00	100	100
117.00	245.70	230.26
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:09:41 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(5) dichlorodifluoromethane (P)

4.425min (-0.021) 31.93ug/kg

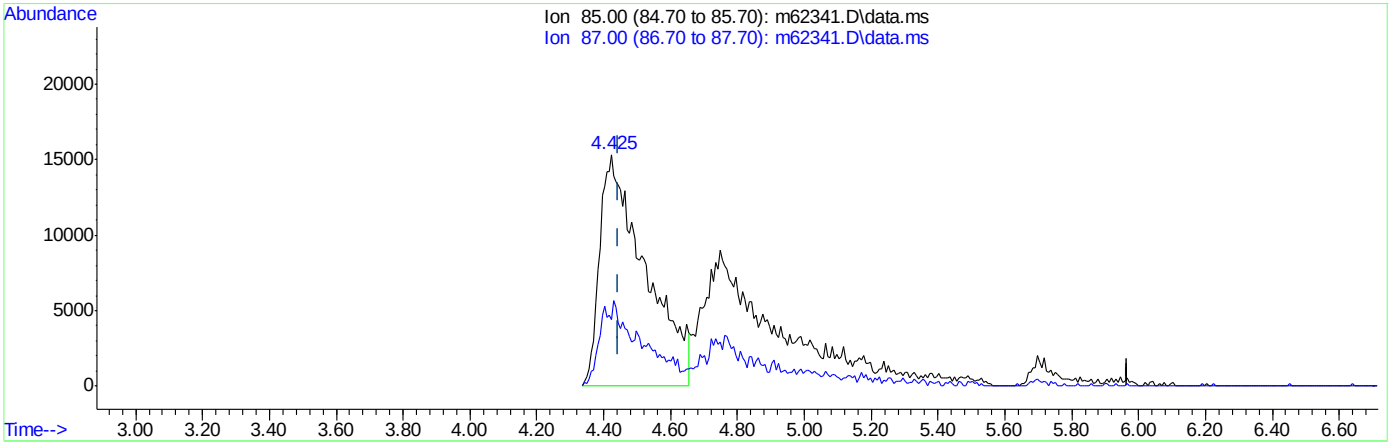
response 107431

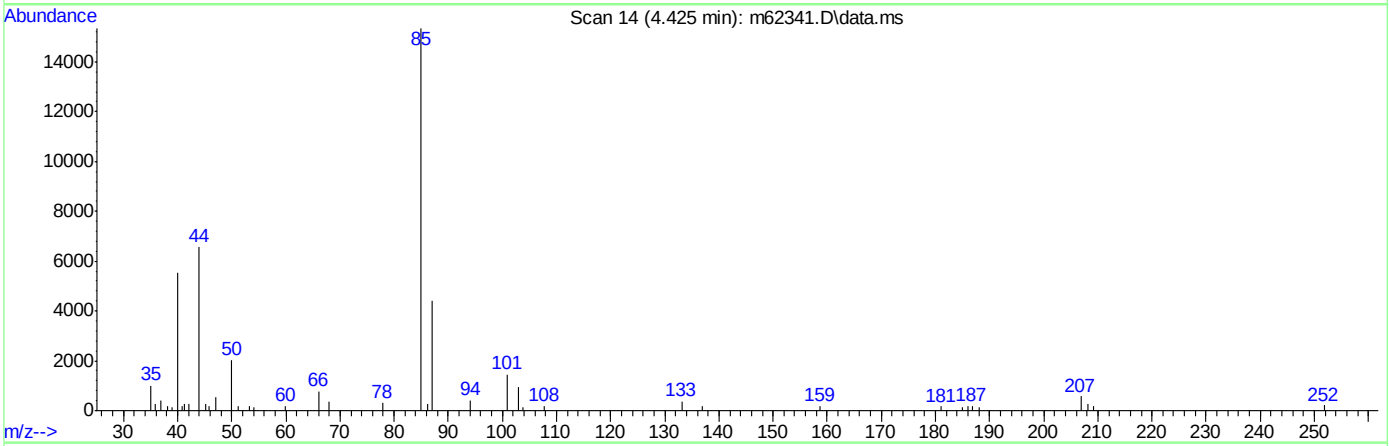
Ion	Exp%	Act%
85.00	100	100
87.00	31.20	26.10
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131219S\
Data File : m62341.D
Acq On : 19 Dec 2013 10:49 pm
Operator : krystend
Sample : ICV2178-50
Misc : MS30825,MSM2178,5,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 10:09:41 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62341.D\data.ms

(5) dichlorodifluoromethane (P)

4.425min (-0.021) 42.41ug/kg m

response 142657

Ion	Exp%	Act%
85.00	100	100
87.00	31.20	28.75
0.00	0.00	0.00
0.00	0.00	0.00

M62341.D edits: dichlorodifluoromethane

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/23/13 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:49:58 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.843	65	96350	500.00	ug/kg	0.00
4) pentafluorobenzene	9.349	168	309532	50.00	ug/kg	0.00
42) 1,4-difluorobenzene	10.231	114	455983	50.00	ug/kg	0.00
65) chlorobenzene-d5	13.505	82	208593	50.00	ug/kg	0.00
79) 1,4-dichlorobenzene-d4	16.065	152	285854	50.00	ug/kg	0.00
System Monitoring Compounds						
39) dibromofluoromethane (s)	8.992	113	149635	55.28	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.56%			
59) toluene-d8 (s)	12.036	98	476409	59.72	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 119.44%			
81) bromofluorobenzene (s)	14.731	95	213863	54.65	ug/kg	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.30%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	6.930	59	217076	590.78	ug/kg	91
3) Ethanol	5.671	45	90187m	5106.70	ug/kg	
5) dichlorodifluoromethane	4.451	85	122813	48.21	ug/kg	99
6) chloromethane	4.714	50	169866	43.02	ug/kg	96
7) vinyl chloride	4.963	62	142509	45.55	ug/kg	86
8) bromomethane ...	5.502	96	128474	45.00	ug/kg	96
9) chloroethane	5.671	64	74437m	44.61	ug/kg	
10) ethyl ether	6.580	59	88951	43.01	ug/kg	97
11) acetonitrile	6.580	41	30770m	44.13	ug/kg	
12) trichlorofluoromethane	6.344	101	331973	50.42	ug/kg	99
13) freon-113	7.146	101	112379	48.76	ug/kg	95
14) acrolein	6.331	56	74976	212.66	ug/kg	99
15) 1,1-dichloroethene	6.950	96	114335	52.26	ug/kg	88
16) acetone	6.546	58	17500	56.03	ug/kg	99
17) Methyl Acetate	7.139	43	154456	48.63	ug/kg	89
18) methylene chloride	7.099	84	121322	45.13	ug/kg	93
19) methyl tert butyl ether	7.907	73	273351	42.15	ug/kg	95
20) acrylonitrile	7.018	53	46729	40.94	ug/kg	92
21) allyl chloride	7.200	41	195516	42.44	ug/kg	94
22) trans-1,2-dichloroethene	7.813	96	118527	48.92	ug/kg	89
23) iodomethane	7.011	142	283053	44.09	ug/kg	99
24) carbon disulfide	7.395	76	315495	44.41	ug/kg	100
25) propionitrile	8.156	54	19573	48.24	ug/kg	100
26) vinyl acetate	8.176	43	255920	43.49	ug/kg	99
27) chloroprene	8.446	53	240648	46.48	ug/kg	99
28) di-isopropyl ether	8.486	45	440659	42.33	ug/kg	99
29) methacrylonitrile	8.601	41	82821	44.66	ug/kg	94
30) 2-butanone	8.500	72	19641	59.35	ug/kg#	63
31) 1,1-dichloroethane	8.075	63	221407	43.34	ug/kg	95
32) tert-butyl ethyl ether	8.884	59	327029	44.64	ug/kg	99
33) isobutyl alcohol	8.884	43	63000m	221.30	ug/kg	
34) 2,2-dichloropropane	8.951	77	168197	53.69	ug/kg	98
35) cis-1,2-dichloroethene	8.655	96	143805	43.43	ug/kg	95
36) ethyl acetate	8.884	43	99242m	46.78	ug/kg	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:49:58 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.823	128	96191	44.76	ug/kg	93
38) chloroform	8.864	83	269967	46.21	ug/kg	96
40) Tetrahydrofuran	9.194	42	45877	43.75	ug/kg	98
41) 1,1,1-trichloroethane	9.632	97	250794	42.94	ug/kg	99
43) Cyclohexane	9.914	56	197202	43.10	ug/kg	96
44) carbon tetrachloride	9.995	117	288158	45.89	ug/kg	97
45) 1,1-dichloropropene	9.800	75	166248	46.82	ug/kg	100
46) benzene	10.029	78	453629	42.18	ug/kg	98
47) 1,2-dichloroethane	9.524	62	246365	48.06	ug/kg	99
48) tert-amyl methyl ether	10.150	73	255400	46.49	ug/kg	97
49) heptane	10.507	43	211892	43.91	ug/kg	96
50) trichloroethene	10.655	95	156468	40.54	ug/kg	96
51) 1,2-dichloropropane	10.622	63	122946	45.00	ug/kg	98
52) dibromomethane	10.595	93	103573	48.93	ug/kg	94
53) bromodichloromethane	10.709	83	259019	55.05	ug/kg	98
54) Methylcyclohexane	11.181	83	191785	44.33	ug/kg	97
55) 2-chloroethyl vinyl ether	11.080	63	38004	43.62	ug/kg	95
56) methyl methacrylate	10.797	69	79683	49.75	ug/kg	96
57) 1,4-dioxane	10.797	88	7430	256.67	ug/kg	89
58) cis-1,3-dichloropropene	11.329	75	232484	51.64	ug/kg	99
60) 4-methyl-2-pentanone	11.417	43	185704	56.75	ug/kg	98
61) toluene	12.111	92	336730	47.57	ug/kg	91
62) trans-1,3-dichloropropene	11.747	75	247236	59.14	ug/kg	97
63) 1,1,2-trichloroethane	11.922	83	117671	56.92	ug/kg	90
64) ethyl methacrylate	12.124	69	180811	57.46	ug/kg	95
66) tetrachloroethene	12.852	166	194178	42.44	ug/kg	99
67) 1,3-dichloropropane	12.164	76	222762	50.72	ug/kg	99
68) dibromochloromethane	12.454	129	308530	59.50	ug/kg	100
69) 1,2-dibromoethane	12.710	107	179915	51.84	ug/kg	97
70) 2-hexanone	12.279	43	135491	49.86	ug/kg	97
71) chlorobenzene	13.539	112	607136	54.02	ug/kg	99
72) 1,1,1,2-tetrachloroethane	13.458	131	293886	61.13	ug/kg	98
73) ethylbenzene	13.707	91	813767	52.22	ug/kg	99
74) m,p-xylene	13.896	106	712321	105.46	ug/kg	100
75) o-xylene	14.307	106	383395	55.28	ug/kg	99
76) styrene	14.239	104	624847	58.29	ug/kg	99
77) bromoform	14.064	173	212666	58.17	ug/kg	99
78) trans-1,4-dichloro-2-b...	14.455	53	89573	59.40	ug/kg	96
80) isopropylbenzene	14.670	105	1075385	57.05	ug/kg	98
82) bromobenzene	14.967	156	314989	58.22	ug/kg	96
83) 1,1,2,2-tetrachloroethane	14.313	83	212729	55.41	ug/kg	96
84) 1,2,3-trichloropropane	14.461	75	246372	57.05	ug/kg	97
85) n-propylbenzene	15.115	91	1097985	57.23	ug/kg	100
86) 2-chlorotoluene	15.236	91	709010	57.23	ug/kg	98
87) 4-chlorotoluene	15.310	91	705371	57.71	ug/kg	95
88) 1,3,5-trimethylbenzene	15.391	105	944073	58.95	ug/kg	96
89) tert-butylbenzene	15.701	91	552728	61.18	ug/kg	100
90) 1,2,4-trimethylbenzene	15.802	105	918198	58.02	ug/kg	99
91) sec-butylbenzene	15.923	105	1232177	58.09	ug/kg	100
92) 1,3-dichlorobenzene	16.031	146	619841	56.05	ug/kg	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:49:58 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

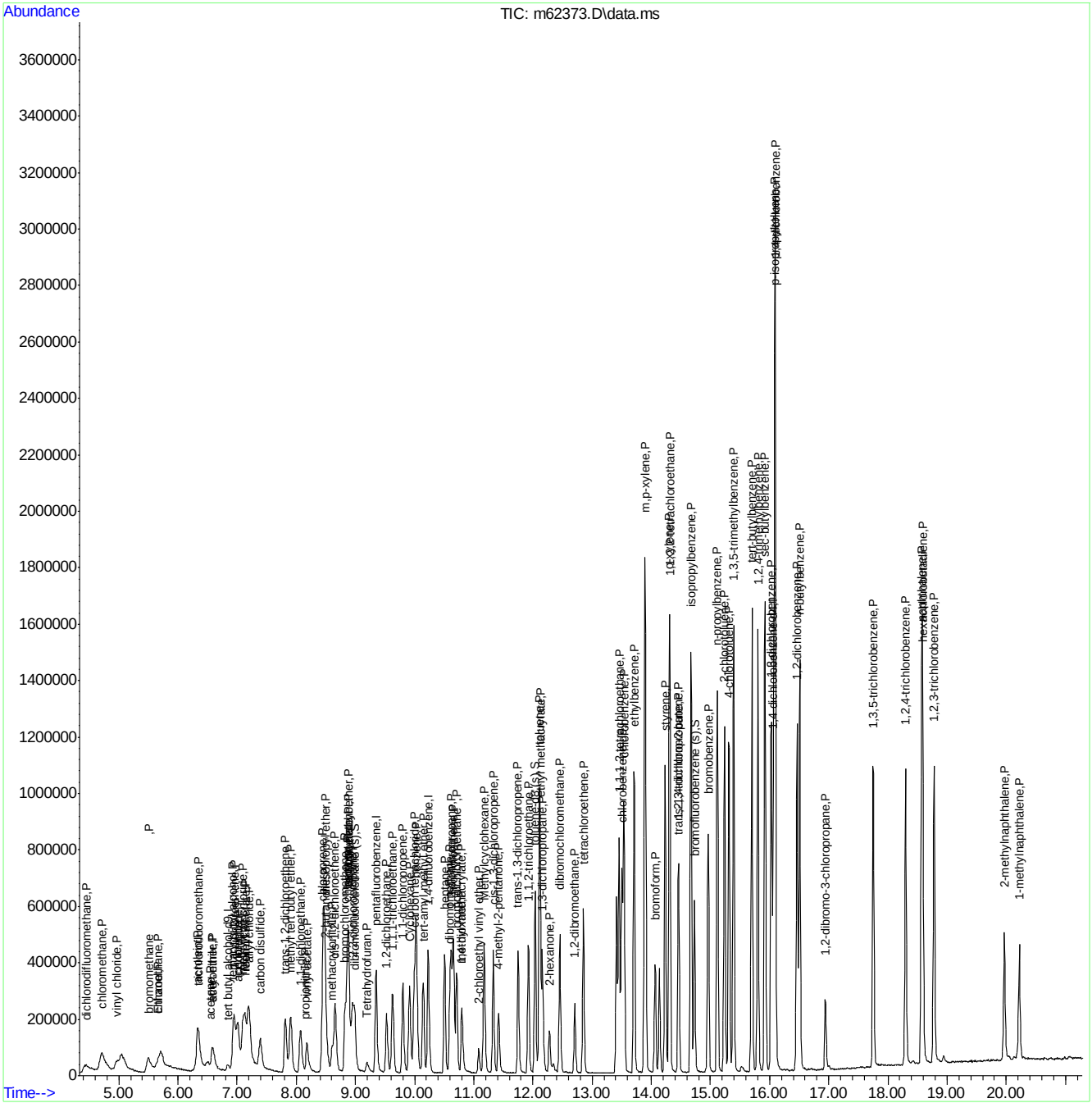
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	p-isopropyltoluene	16.092	119	1142963	58.07	ug/kg	99
94)	1,4-dichlorobenzene	16.098	146	624526	55.02	ug/kg	97
95)	1,2-dichlorobenzene	16.462	146	628174	56.15	ug/kg	99
96)	n-butylbenzene	16.509	91	819313	55.65	ug/kg	97
97)	1,2-dibromo-3-chloropr...	16.940	75	65821	59.30	ug/kg	94
98)	1,3,5-trichlorobenzene	17.756	180	389456	52.10	ug/kg	99
99)	1,2,4-trichlorobenzene	18.301	180	395617	52.82	ug/kg	99
100)	hexachlorobutadiene	18.591	225	203149	54.06	ug/kg	99
101)	naphthalene	18.571	128	1162861	56.29	ug/kg	100
102)	1,2,3-trichlorobenzene	18.779	180	404459	55.15	ug/kg	97
103)	2-methylnaphthalene	19.965	142	305109	27.24	ug/kg	99
104)	1-methylnaphthalene	20.221	TIC	984569	26.80	ug/kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

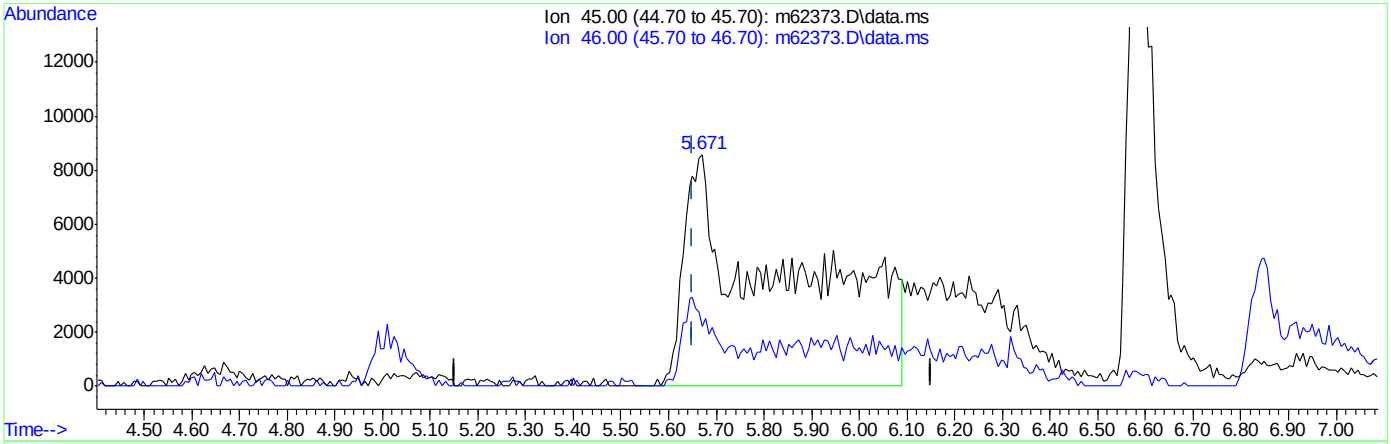
Quant Time: Dec 22 10:49:58 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration

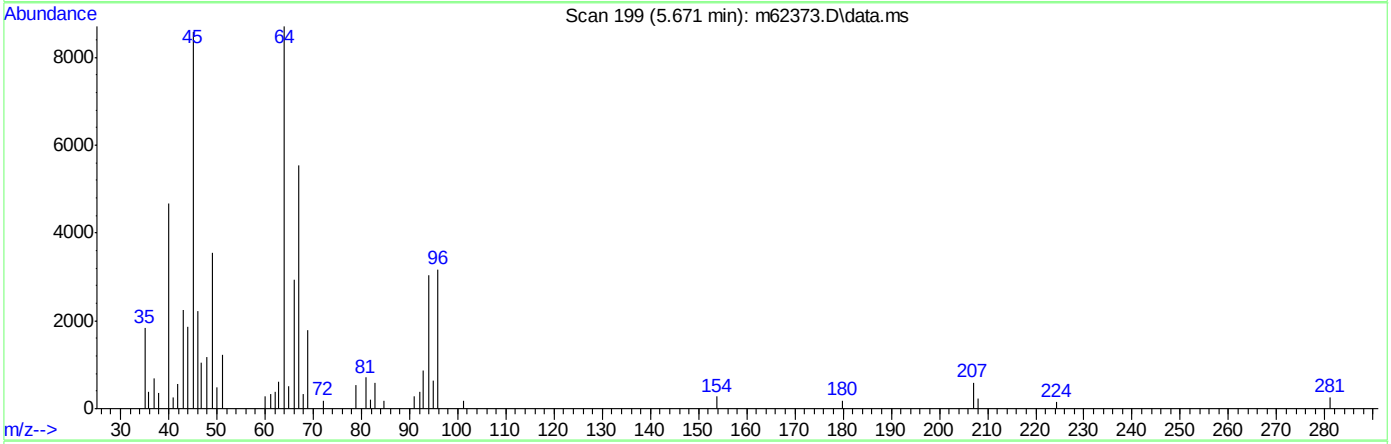


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62373.D\data.ms

(3) Ethanol (P)

5.671min (+0.020) 7181.22ug/kg

response 126824

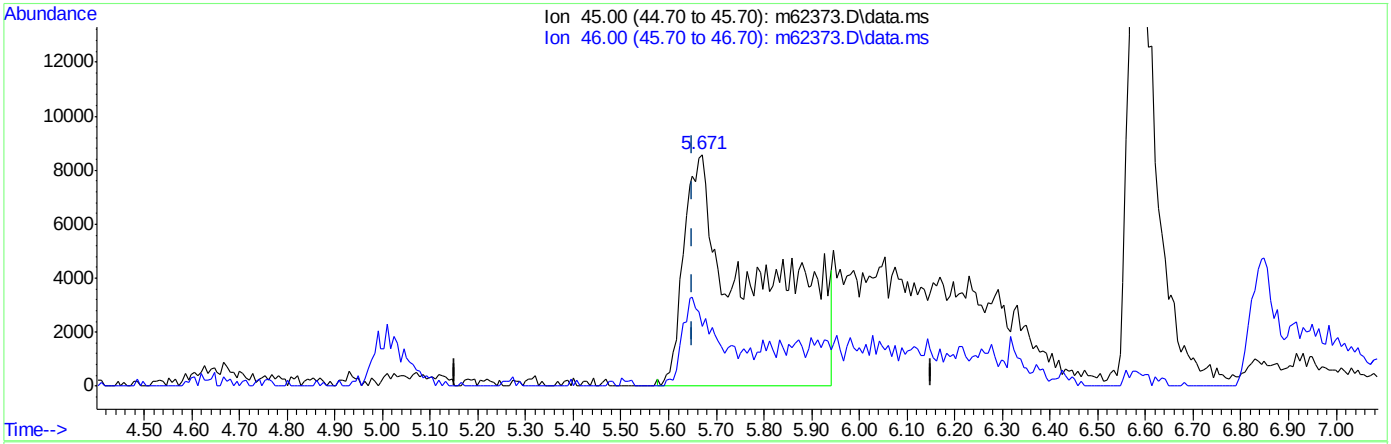
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	22.02#
0.00	0.00	0.00
0.00	0.00	0.00

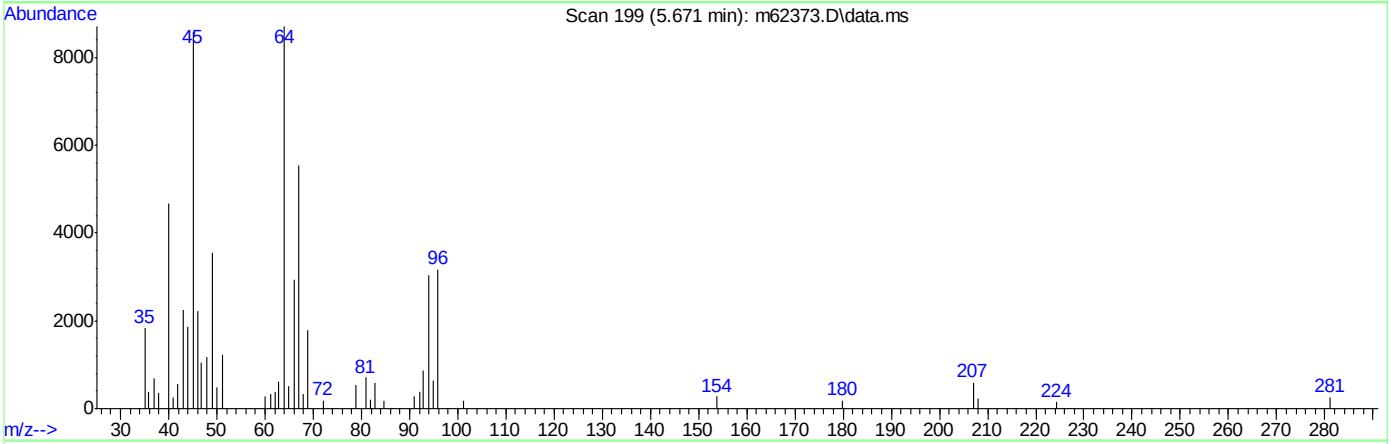
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62373.D\data.ms

(3) Ethanol (P)

5.671min (+0.020) 5106.70ug/kg m

response 90187

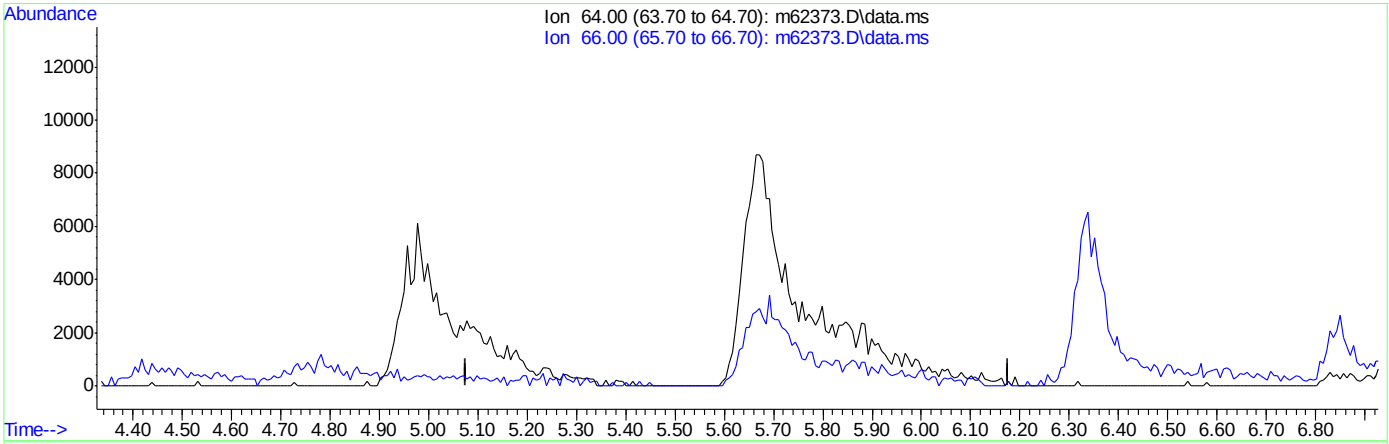
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	30.97#
0.00	0.00	0.00
0.00	0.00	0.00

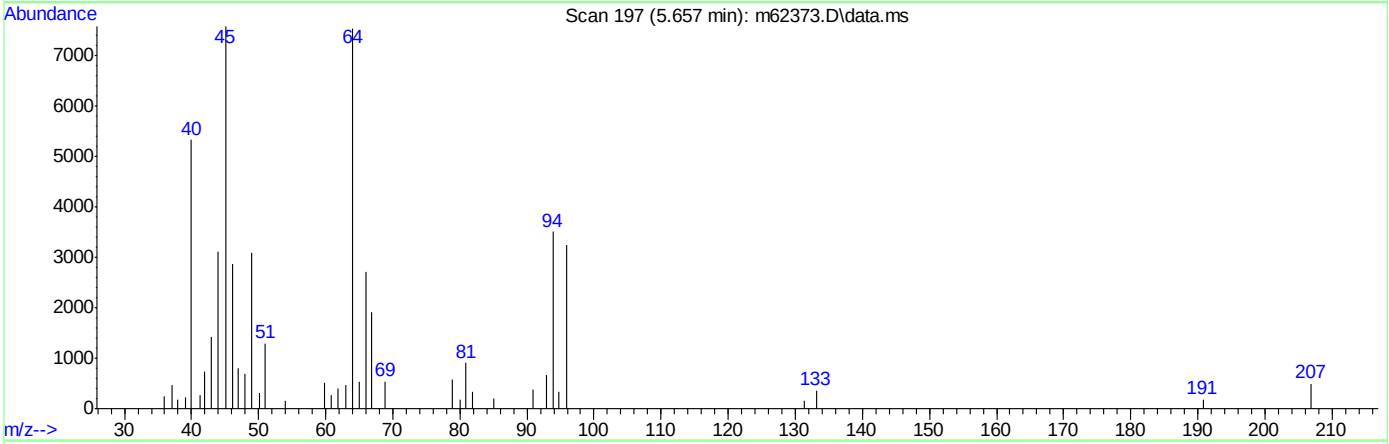
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62373.D\data.ms

(9) chloroethane (P)

5.657min (-5.657) 0.00ug/kg

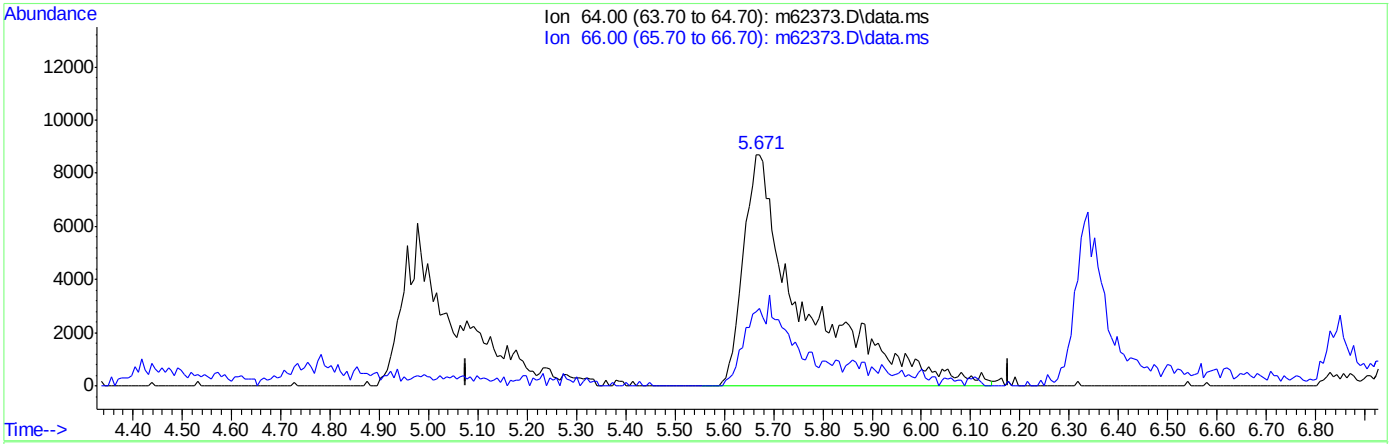
response 0

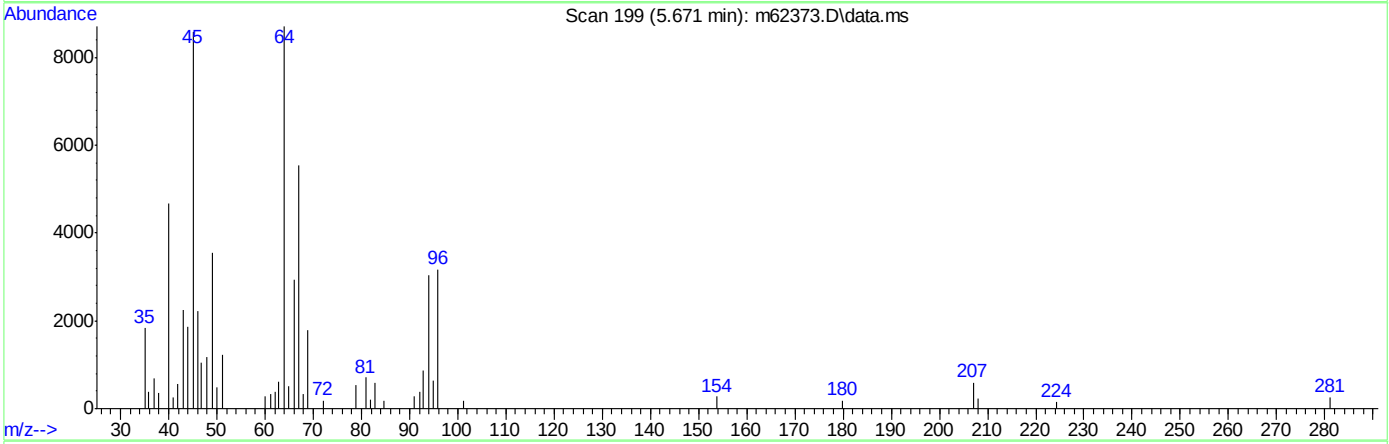
Ion	Exp%	Act%
64.00	100	0.00
66.00	30.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62373.D\data.ms

(9) chloroethane (P)

5.671min (+0.014) 44.61ug/kg m

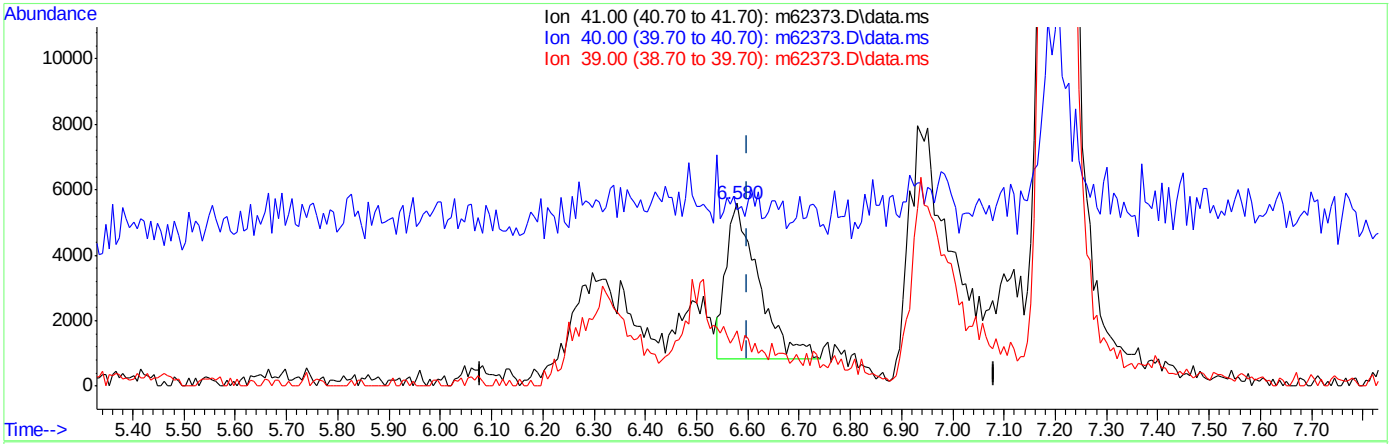
response 74437

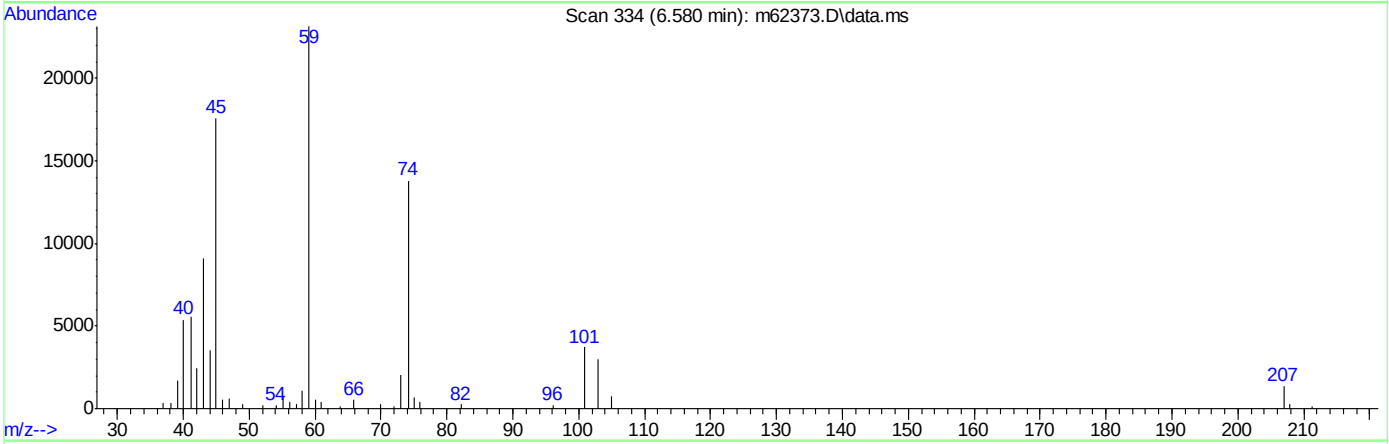
Ion	Exp%	Act%
64.00	100	100
66.00	30.40	33.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62373.D\data.ms

(11) acetonitrile (P)

6.580min (-0.020) 29.89ug/kg

response 20842

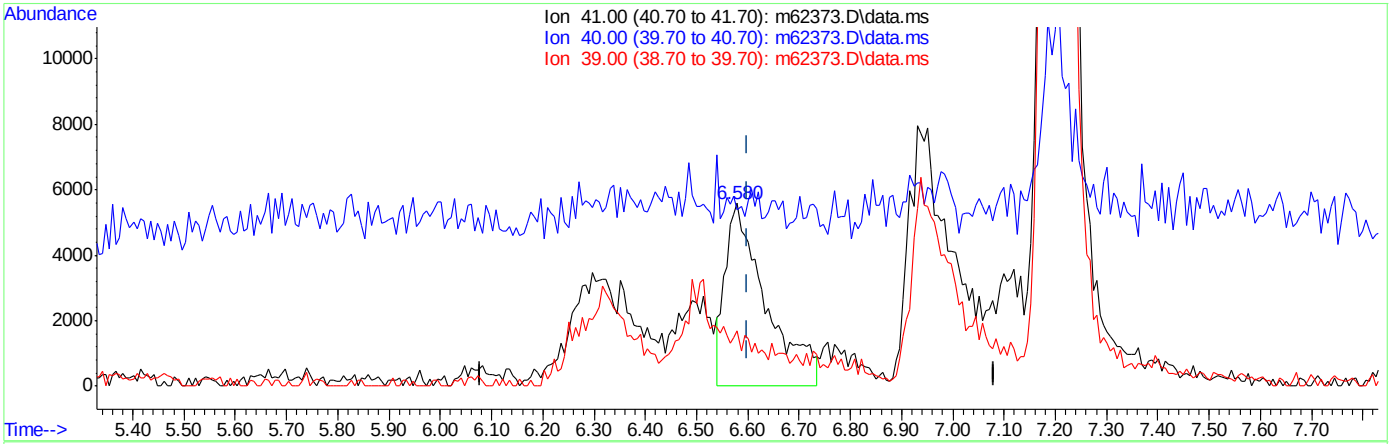
Ion	Exp%	Act%
41.00	100	100
40.00	0.00	10.53
39.00	18.50	23.50
0.00	0.00	0.00

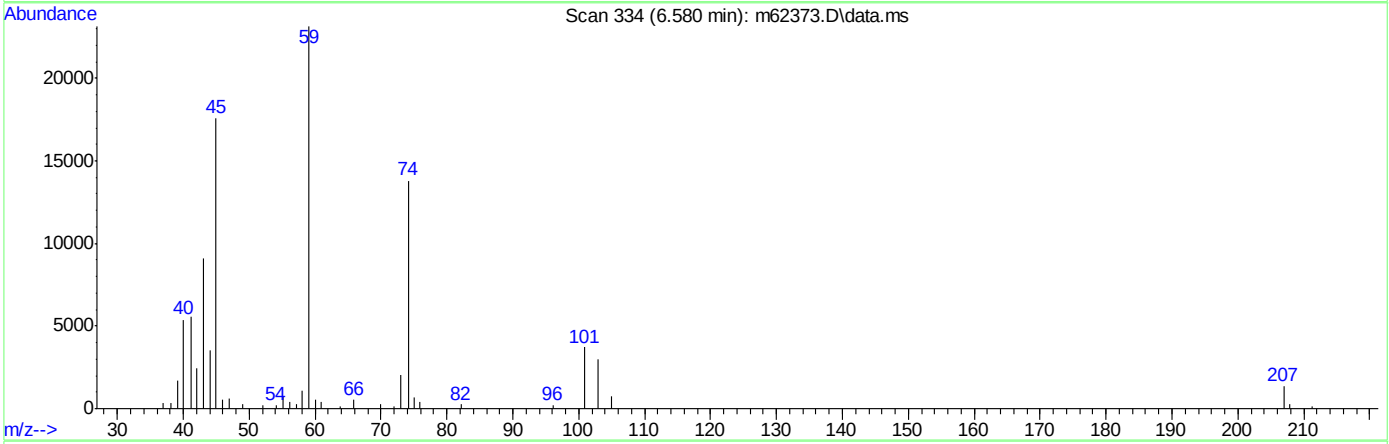
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62373.D\data.ms

(11) acetonitrile (P)

6.580min (-0.020) 44.13ug/kg m

response 30770

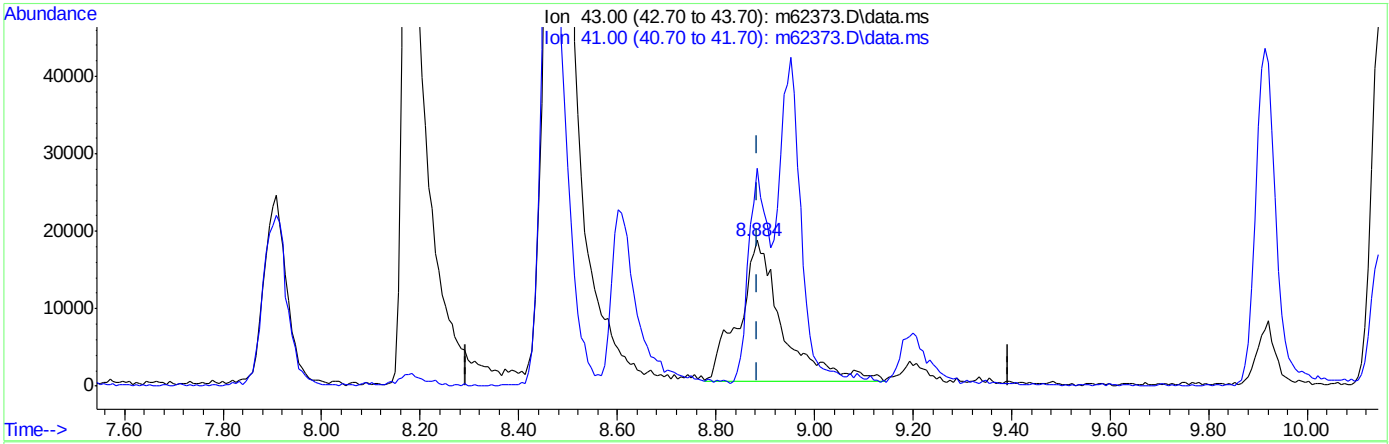
Ion	Exp%	Act%
41.00	100	100
40.00	0.00	96.44#
39.00	18.50	30.16
0.00	0.00	0.00

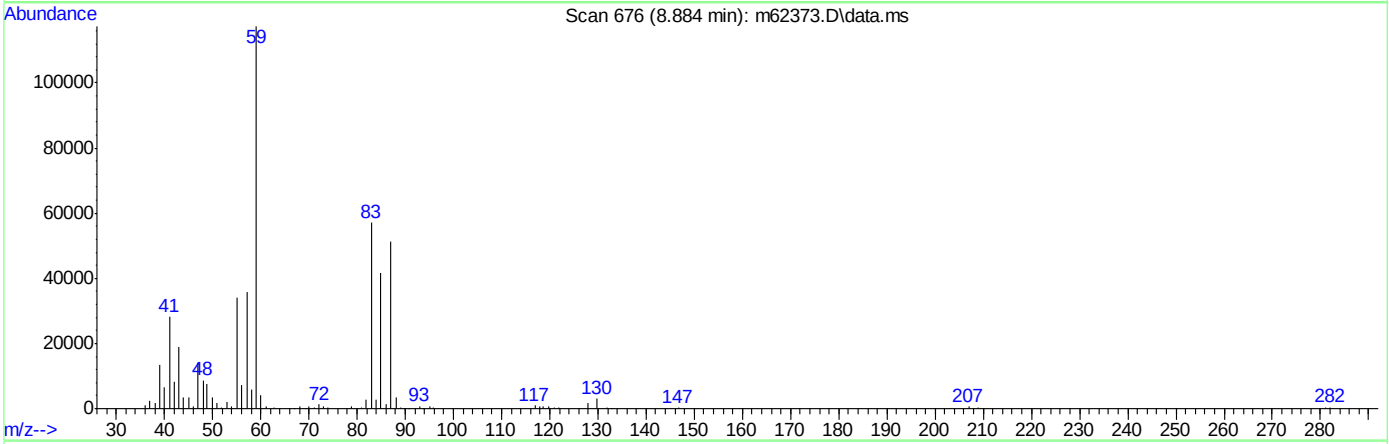
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62373.D\data.ms

(33) isobutyl alcohol (P)

8.884min (-0.000) 389.40ug/kg

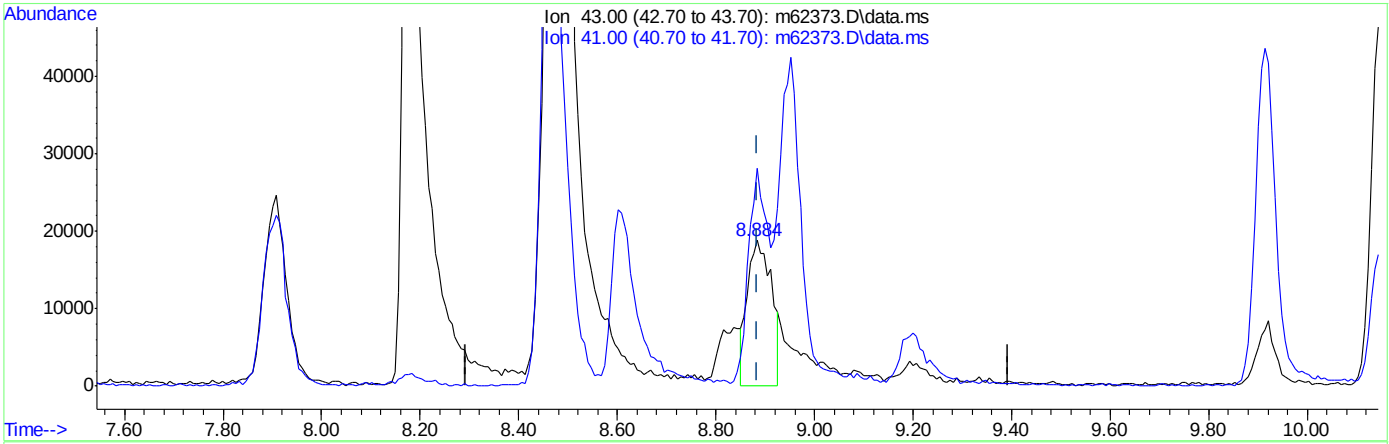
response 110856

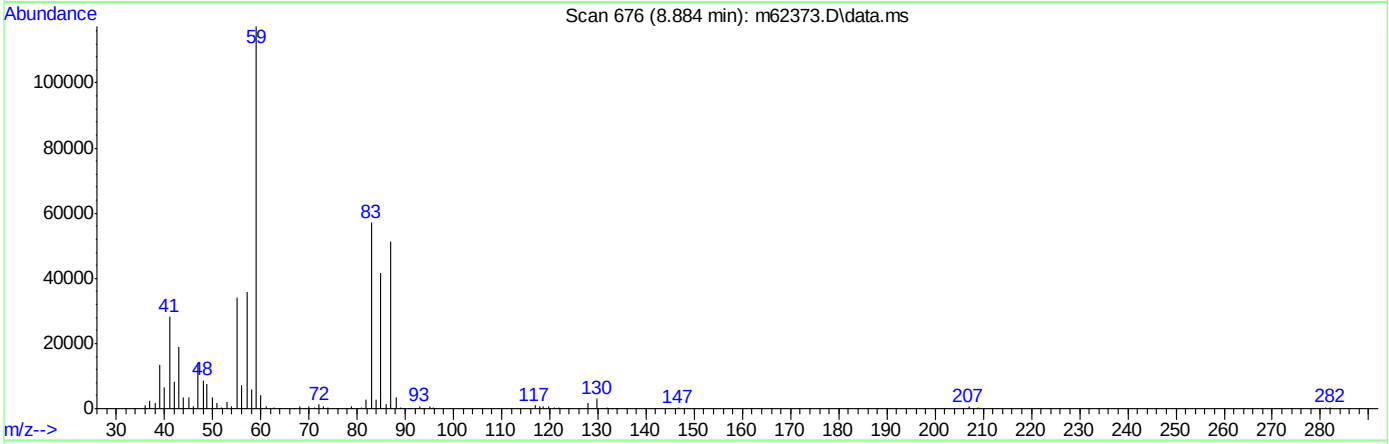
Ion	Exp%	Act%
43.00	100	100
41.00	142.20	150.62
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62373.D\data.ms

(33) isobutyl alcohol (P)

8.884min (-0.000) 221.30ug/kg m

response 63000

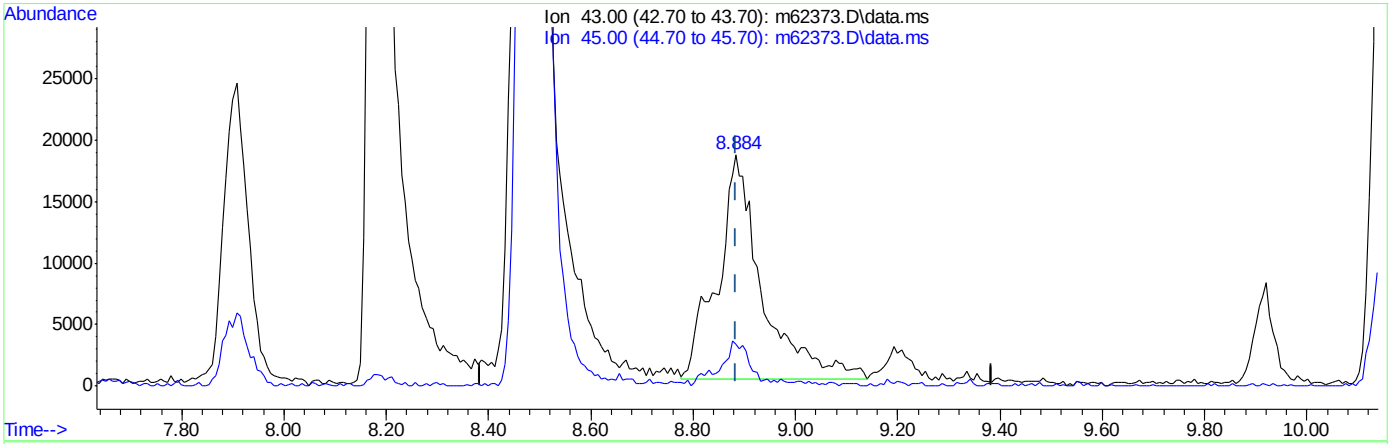
Ion	Exp%	Act%
43.00	100	100
41.00	142.20	149.17
0.00	0.00	0.00
0.00	0.00	0.00

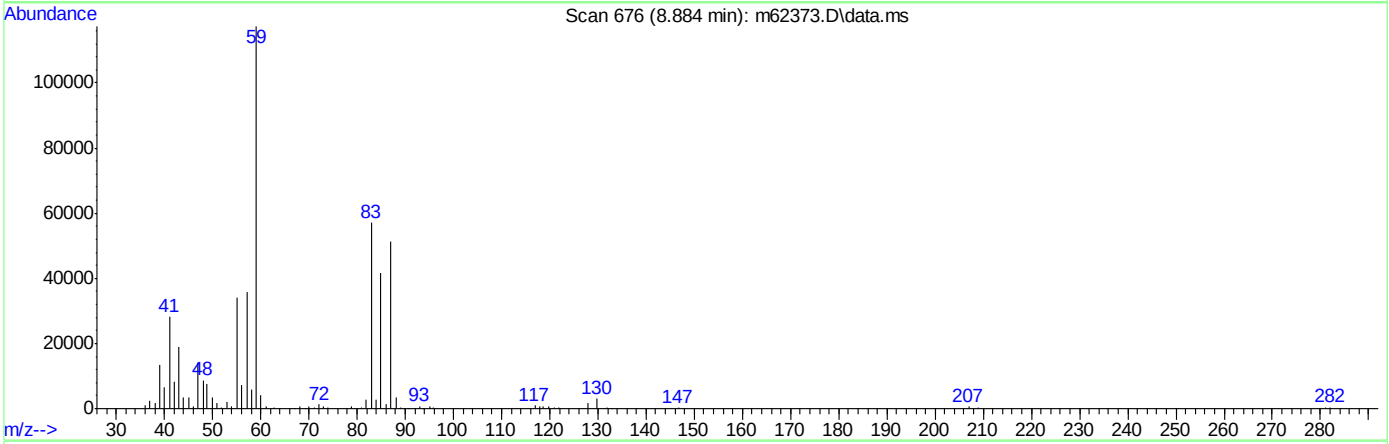
ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration





TIC: m62373.D\data.ms

(36) ethyl acetate (P)

8.884min (-0.000) 52.26ug/kg

response 110856

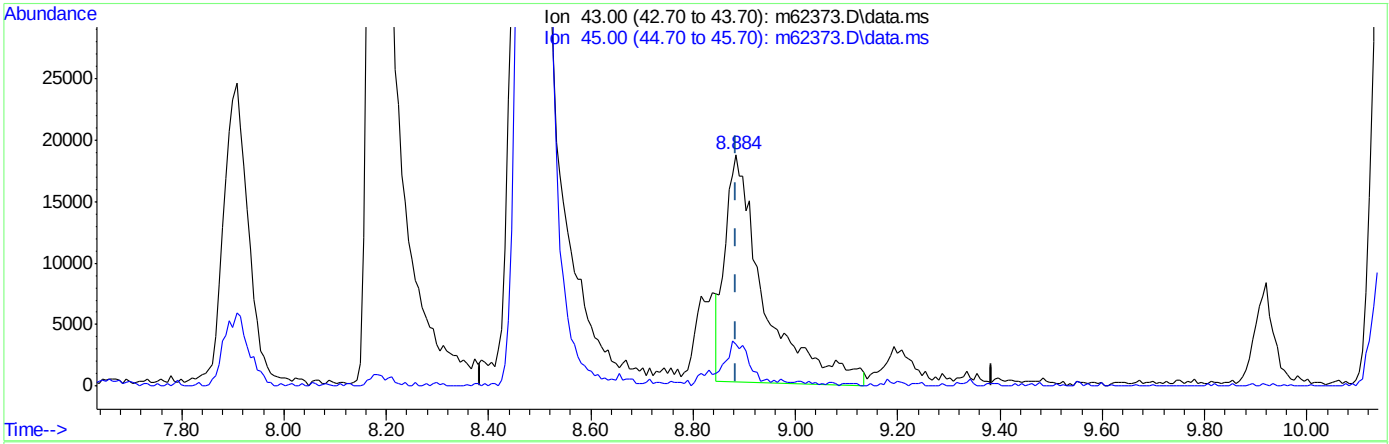
Ion	Exp%	Act%
43.00	100	100
45.00	19.90	18.73
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES MC27146

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\M131220S\
Data File : m62373.D
Acq On : 20 Dec 2013 11:19 pm
Operator : krystend
Sample : cc2178-50
Misc : MS30848,MSM2180,5,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 22 10:48:52 2013
Quant Method : C:\msdchem\1\methods\M131219S.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Dec 20 10:07:12 2013
Response via : Initial Calibration



TIC: m62373.D\data.ms

(36) ethyl acetate (P)

8.884min (-0.000) 46.78ug/kg m

response 99242

Ion	Exp%	Act%
43.00	100	100
45.00	19.90	18.15
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/26/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82689.D
Acq On : 25 Nov 2013 12:33 pm
Operator : jaclynb
Sample : ic3086-0.5
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 26 09:51:18 2013
Quant Method : C:\msdchem\1\methods\n131020w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 21 14:14:31 2013
Response via : Initial Calibration

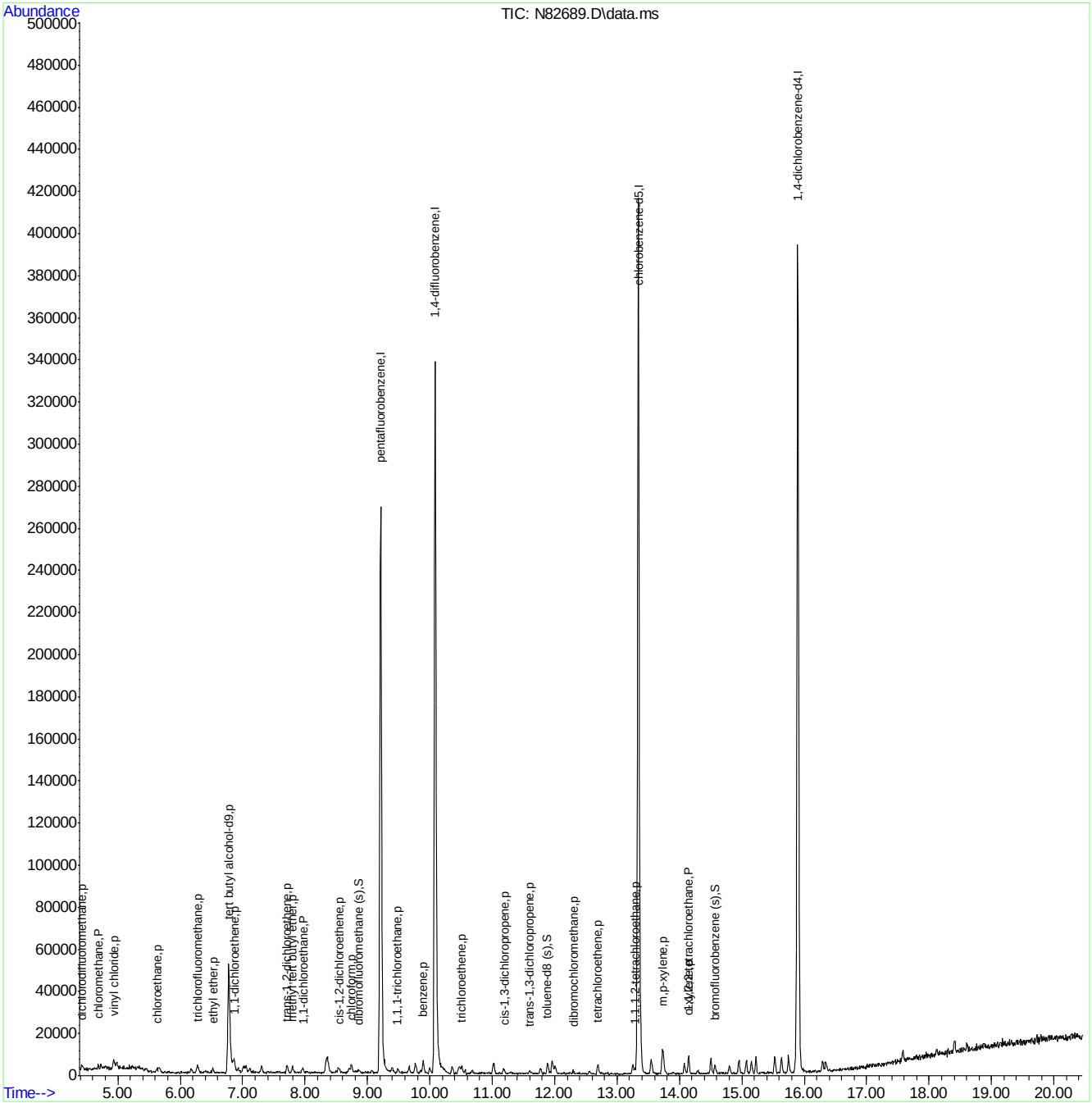
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.777	65	80679	500.00	ug/L		0.00
4) pentafluorobenzene	9.213	168	195275	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.086	114	286732m	50.00	ug/L		0.00
66) chlorobenzene-d5	13.342	82	149849	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	108647	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.863	113	991	0.46	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 0.92%#				
60) toluene-d8 (s)	11.882	98	4025	0.51	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.02%#				
82) bromofluorobenzene (s)	14.569	95	1885	0.76	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.52%#				
Target Compounds							Qvalue
5) dichlorodifluoromethane	4.426	85	1610	0.54	ug/L		80
6) chloromethane	4.687	50	1863	0.58	ug/L		83
7) vinyl chloride	4.938	62	2049	0.56	ug/L		57
9) chloroethane	5.631	64	705m	0.51	ug/L		
10) ethyl ether	6.526	59	1113	0.55	ug/L		78
12) trichlorofluoromethane	6.278	101	2186	0.61	ug/L		99
15) 1,1-dichloroethene	6.862	96	1507	0.70	ug/L	#	65
19) methyl tert butyl ether	7.798	73	2810	0.52	ug/L		88
22) trans-1,2-dichloroethene	7.707	96	1200	0.52	ug/L		84
32) 1,1-dichloroethane	7.972	63	2722	0.57	ug/L		98
36) cis-1,2-dichloroethene	8.544	96	1477	0.57	ug/L	#	59
39) chloroform	8.735	83	2331	0.50	ug/L		89
42) 1,1,1-trichloroethane	9.481	97	1330	0.39	ug/L		92
47) benzene	9.895	78	5268	0.53	ug/L		84
51) trichloroethene	10.514	95	1202	0.44	ug/L	#	64
59) cis-1,3-dichloropropene	11.192	75	1469	0.41	ug/L		55
63) trans-1,3-dichloropropene	11.602	75	1226	0.40	ug/L		53
67) tetrachloroethene	12.684	166	1427	0.57	ug/L		91
69) dibromochloromethane	12.299	129	1054	0.45	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.289	131	1024m	0.49	ug/L		
75) m,p-xylene	13.731	106	4461	1.01	ug/L		89
76) o-xylene	14.151	106	2307	0.53	ug/L		96
84) 1,1,2,2-tetrachloroethane	14.144	83	1193	0.49	ug/L		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82689.D
Acq On : 25 Nov 2013 12:33 pm
Operator : jaclynb
Sample : ic3086-0.5
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 26 09:51:18 2013
Quant Method : C:\msdchem\1\methods\n131020w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 21 14:14:31 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC27146

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82690.D
Acq On : 25 Nov 2013 1:01 pm
Operator : jaclynb
Sample : ic3086-1
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 26 09:54:55 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:51:27 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.780	65	78054	500.00	ug/L		0.01
4) pentafluorobenzene	9.212	168	188106	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.086	114	282558	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	144593	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.898	152	109001	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	724	0.38	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 0.76%#				
60) toluene-d8 (s)	11.882	98	3118	0.42	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 0.84%#				
82) bromofluorobenzene (s)	14.565	95	1617	0.54	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.08%#				
Target Compounds							Qvalue
5) dichlorodifluoromethane	4.426	85	3457	1.24	ug/L		98
6) chloromethane	4.687	50	3097	1.08	ug/L		73
7) vinyl chloride	4.942	62	4208	1.23	ug/L		83
9) chloroethane	5.624	64	1756	1.31	ug/L		76
10) ethyl ether	6.522	59	2279	1.15	ug/L		88
11) acetonitrile	6.176	41	2452	1.65	ug/L		93
12) trichlorofluoromethane	6.275	101	4677	1.23	ug/L		92
13) freon-113	7.056	101	2678	1.36	ug/L		99
15) 1,1-dichloroethene	6.868	96	2875	1.23	ug/L		85
18) methylene chloride	7.010	84	2782	1.33	ug/L		85
19) methyl tert butyl ether	7.795	73	4869	1.02	ug/L		84
22) trans-1,2-dichloroethene	7.717	96	2660	1.27	ug/L	#	66
27) chloroprene	8.329	53	3678	1.08	ug/L		93
32) 1,1-dichloroethane	7.968	63	5362	1.16	ug/L		94
36) cis-1,2-dichloroethene	8.537	96	2867	1.16	ug/L		91
38) bromochloromethane	8.707	128	1119	1.15	ug/L	#	71
39) chloroform	8.735	83	4865	1.18	ug/L		97
42) 1,1,1-trichloroethane	9.492	97	3275	1.16	ug/L		93
45) carbon tetrachloride	9.856	117	2197	0.87	ug/L		81
47) benzene	9.898	78	10033	1.09	ug/L		92
48) 1,2-dichloroethane	9.393	62	3583	1.24	ug/L		91
49) tert-amyl methyl ether	10.004	73	3819	1.15	ug/L		91
50) heptane	10.354	43	3515	1.34	ug/L		97
51) trichloroethene	10.513	95	2519	1.11	ug/L		80
54) bromodichloromethane	10.563	83	3361	1.19	ug/L		95
55) Methylcyclohexane	11.015	83	4728	1.29	ug/L		92
59) cis-1,3-dichloropropene	11.185	75	3026	1.00	ug/L		71
62) toluene	11.956	92	5954	1.25	ug/L		95
63) trans-1,3-dichloropropene	11.606	75	2537	1.02	ug/L		85
64) 1,1,2-trichloroethane	11.768	83	1932	1.22	ug/L		78
67) tetrachloroethene	12.698	166	2745	1.15	ug/L		87
68) 1,3-dichloropropane	12.002	76	3350	1.14	ug/L		90
69) dibromochloromethane	12.292	129	2248	1.14	ug/L		93
72) chlorobenzene	13.377	112	6608	1.31	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82690.D
Acq On : 25 Nov 2013 1:01 pm
Operator : jaclynb
Sample : ic3086-1
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 26 09:54:55 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:51:27 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73)	1,1,1,2-tetrachloroethane	13.289	131	2083	1.13	ug/L	91
74)	ethylbenzene	13.547	91	12233	1.35	ug/L	98
75)	m,p-xylene	13.730	106	8989	2.29	ug/L	89
76)	o-xylene	14.151	106	4345	1.09	ug/L	82
78)	bromoform	13.900	173	1332	1.02	ug/L	84
84)	1,1,2,2-tetrachloroethane	14.148	83	2599	1.20	ug/L	83
89)	1,3,5-trimethylbenzene	15.229	105	9955	1.44	ug/L	93
91)	1,2,4-trimethylbenzene	15.633	105	9284	1.39	ug/L	90
93)	1,3-dichlorobenzene	15.859	146	4921	1.34	ug/L	95
95)	1,4-dichlorobenzene	15.922	146	4665	1.31	ug/L	91
96)	1,2-dichlorobenzene	16.294	146	4944	1.41	ug/L	91
102)	naphthalene	18.404	128	2717	0.59	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.13

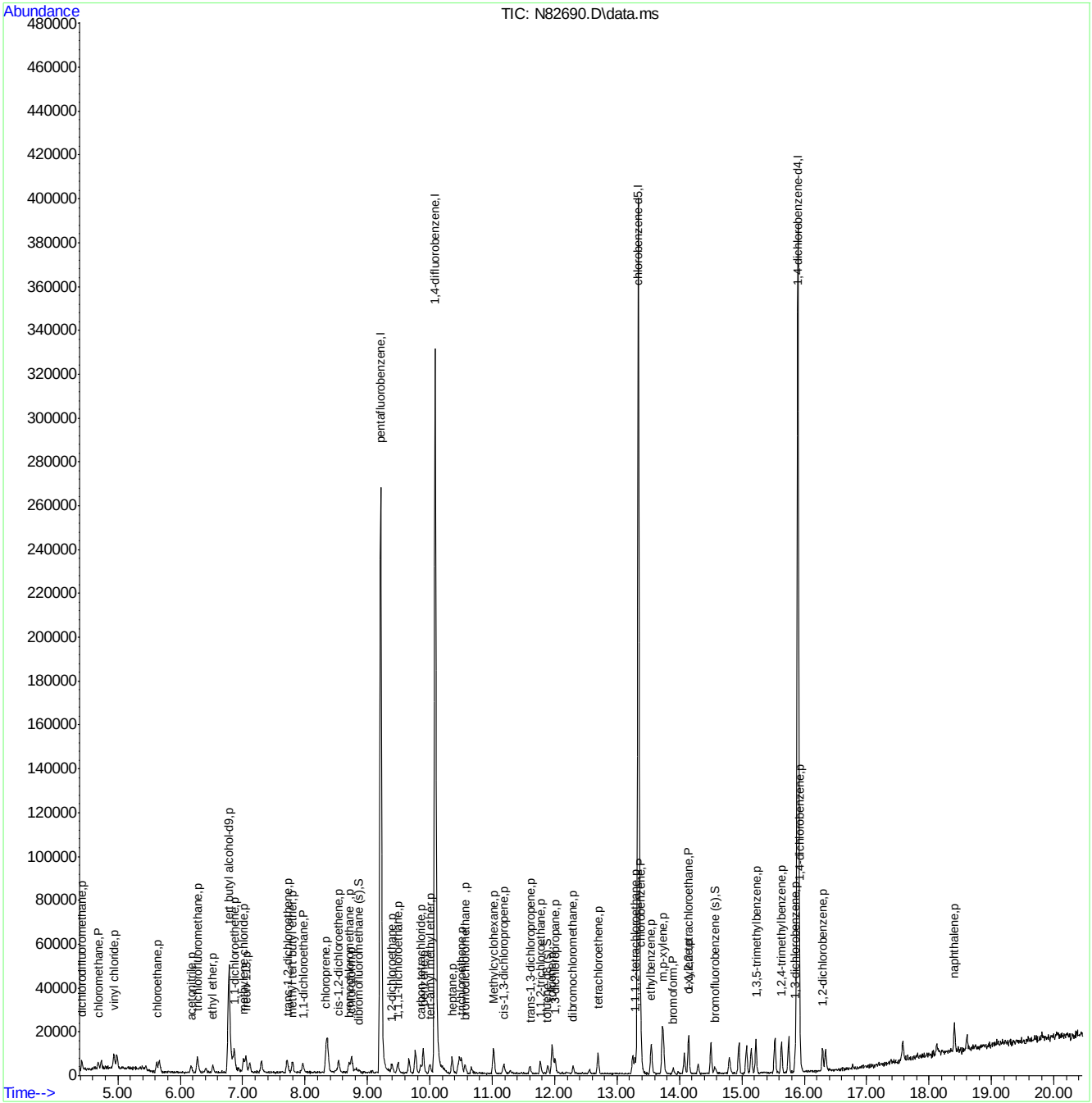
7

ACCUTEST LABORATORIES MC27146

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82690.D
Acq On : 25 Nov 2013 1:01 pm
Operator : jaclynb
Sample : ic3086-1
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 26 09:54:55 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:51:27 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/26/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82691.D
Acq On : 25 Nov 2013 1:28 pm
Operator : jaclynb
Sample : ic3086-2
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 26 09:59:18 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:55:05 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.780	65	75125	500.00	ug/L		0.01
4) pentafluorobenzene	9.209	168	191638	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.086	114	288761	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	149123	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	113025	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	538	0.35	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 0.70%#				
60) toluene-d8 (s)	11.892	98	3327	0.54	ug/L		0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.08%#				
82) bromofluorobenzene (s)	14.572	95	1397	0.53	ug/L		0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.06%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.872	59	4344m	22.41	ug/L		
3) Ethanol	5.624	45	6648m	227.66	ug/L		
5) dichlorodifluoromethane	4.422	85	5510	1.80	ug/L		92
6) chloromethane	4.687	50	5617	1.87	ug/L		87
7) vinyl chloride	4.931	62	6621	1.77	ug/L		98
8) bromomethane	5.448	96	2162	1.84	ug/L		91
9) chloroethane	5.621	64	2701	1.79	ug/L		93
10) ethyl ether	6.522	59	3831	1.81	ug/L		82
11) acetonitrile	6.172	41	3627	1.97	ug/L		98
12) trichlorofluoromethane	6.282	101	7377	1.77	ug/L		93
13) freon-113	7.056	101	4028	1.70	ug/L		85
15) 1,1-dichloroethene	6.862	96	4554	1.77	ug/L		81
18) methylene chloride	7.017	84	4476	1.81	ug/L	#	83
19) methyl tert butyl ether	7.795	73	7975	1.62	ug/L		83
22) trans-1,2-dichloroethene	7.717	96	4568	1.96	ug/L	#	64
24) carbon disulfide	7.300	76	13786	2.12	ug/L		100
27) chloroprene	8.339	53	6411	1.78	ug/L		94
28) di-isopropyl ether	8.361	45	16074	2.05	ug/L		84
29) methacrylonitrile	8.498	41	2348	1.76	ug/L		87
32) 1,1-dichloroethane	7.961	63	8296	1.67	ug/L		90
33) tert-butyl ethyl ether	8.760	59	4242	1.00	ug/L		90
36) cis-1,2-dichloroethene	8.537	96	4600	1.73	ug/L		80
37) ethyl acetate	8.350	43	14004	2.09	ug/L		92
38) bromochloromethane	8.700	128	1693	1.59	ug/L	#	77
39) chloroform	8.739	83	7631	1.71	ug/L		94
42) 1,1,1-trichloroethane	9.485	97	5048	1.67	ug/L		90
44) Cyclohexane	9.764	56	7688	1.89	ug/L	#	86
45) carbon tetrachloride	9.856	117	3914	1.63	ug/L		84
46) 1,1-dichloropropene	9.669	75	5157	1.87	ug/L		93
47) benzene	9.895	78	17374	1.80	ug/L		96
48) 1,2-dichloroethane	9.389	62	5618	1.70	ug/L		81
49) tert-amyl methyl ether	10.001	73	5683	1.56	ug/L		85
50) heptane	10.358	43	5508	1.76	ug/L		98
51) trichloroethene	10.503	95	4688	1.95	ug/L	#	71

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82691.D
Acq On : 25 Nov 2013 1:28 pm
Operator : jaclynb
Sample : ic3086-2
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 26 09:59:18 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:55:05 2013
Response via : Initial Calibration

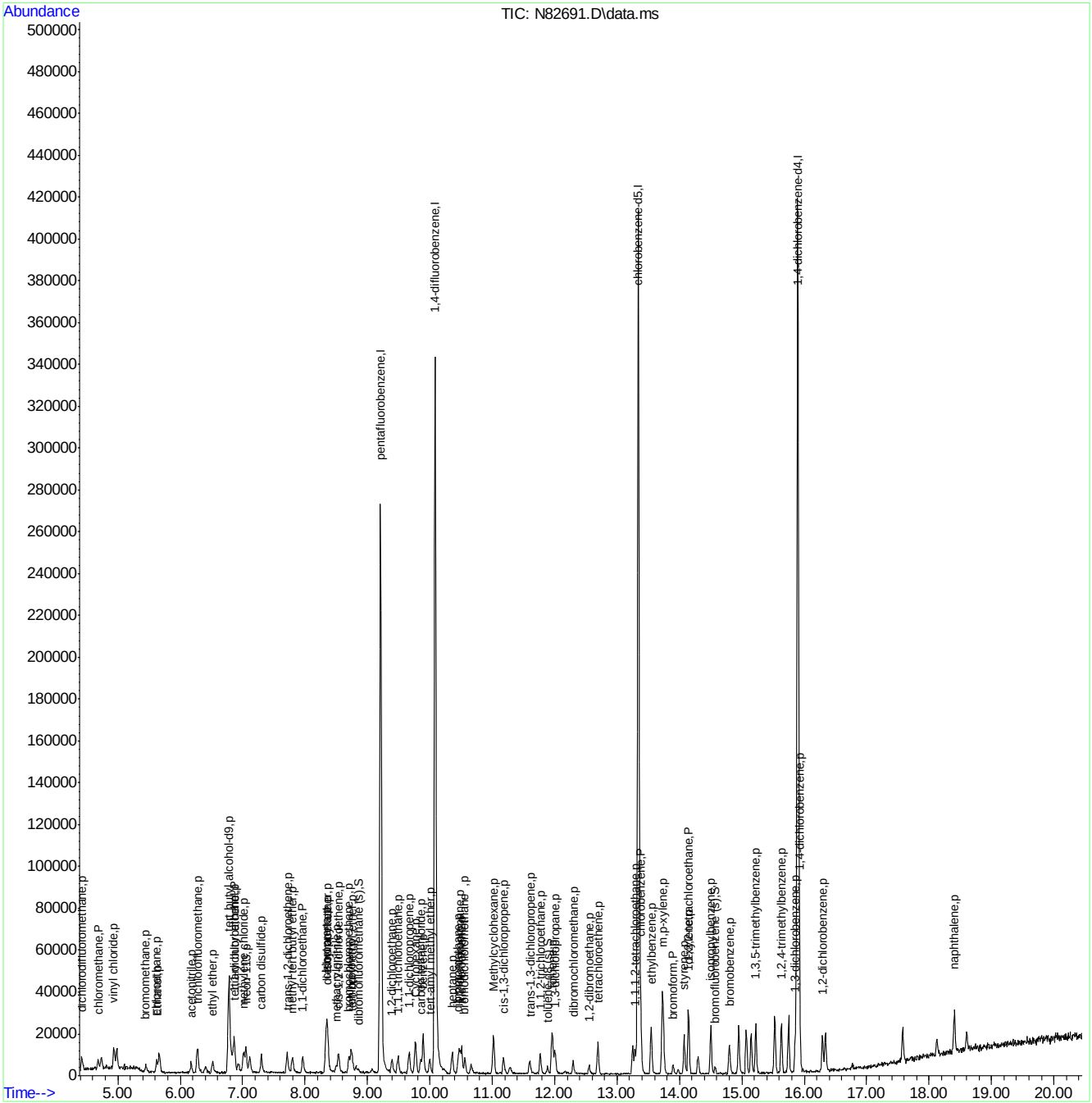
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	1,2-dichloropropane	10.471	63	4533	1.88	ug/L		93
53)	dibromomethane	10.454	93	2489	1.95	ug/L		96
54)	bromodichloromethane	10.556	83	5629	1.78	ug/L		94
55)	Methylcyclohexane	11.023	83	7008	1.63	ug/L	#	92
59)	cis-1,3-dichloropropene	11.178	75	5402	1.74	ug/L		98
62)	toluene	11.960	92	9443	1.72	ug/L		89
63)	trans-1,3-dichloropropene	11.606	75	4658	1.82	ug/L		79
64)	1,1,2-trichloroethane	11.772	83	3162	1.76	ug/L		81
67)	tetrachloroethene	12.698	166	4189	1.62	ug/L		78
68)	1,3-dichloropropane	12.002	76	5674	1.75	ug/L		77
69)	dibromochloromethane	12.302	129	3493	1.64	ug/L		78
70)	1,2-dibromoethane	12.553	107	3403	1.92	ug/L		96
72)	chlorobenzene	13.377	112	10798	1.80	ug/L		95
73)	1,1,1,2-tetrachloroethane	13.292	131	3464	1.75	ug/L		91
74)	ethylbenzene	13.550	91	18931	1.73	ug/L		94
75)	m,p-xylene	13.731	106	14062	3.31	ug/L		98
76)	o-xylene	14.141	106	7128	1.68	ug/L		92
77)	styrene	14.074	104	9487m	1.68	ug/L		
78)	bromoform	13.900	173	2401	1.77	ug/L		69
81)	isopropylbenzene	14.501	105	17795	2.14	ug/L		96
83)	bromobenzene	14.805	156	4325	2.28	ug/L		82
84)	1,1,2,2-tetrachloroethane	14.148	83	4481	1.87	ug/L		94
89)	1,3,5-trimethylbenzene	15.219	105	15324	1.75	ug/L		95
91)	1,2,4-trimethylbenzene	15.636	105	14576	1.76	ug/L		94
93)	1,3-dichlorobenzene	15.855	146	7877	1.77	ug/L		93
95)	1,4-dichlorobenzene	15.923	146	8112	1.90	ug/L		96
96)	1,2-dichlorobenzene	16.297	146	8086	1.84	ug/L		85
102)	naphthalene	18.401	128	4680	1.24	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82691.D
Acq On : 25 Nov 2013 1:28 pm
Operator : jaclynb
Sample : ic3086-2
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 26 09:59:18 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:55:05 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82692.D
Acq On : 25 Nov 2013 1:56 pm
Operator : jaclynb
Sample : ic3086-5
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 26 09:59:52 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:59:26 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.777	65	92534	500.00	ug/L		0.01
4) pentafluorobenzene	9.213	168	191564	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.086	114	288716	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	152879	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	119961	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	9978	8.25	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 16.50%#				
60) toluene-d8 (s)	11.885	98	37671	7.53	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 15.06%#				
82) bromofluorobenzene (s)	14.565	95	14791	6.45	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 12.90%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.862	59	11592	45.79	ug/L		86
3) Ethanol	5.624	45	17554	456.48	ug/L		99
5) dichlorodifluoromethane	4.426	85	13441	4.50	ug/L		94
6) chloromethane	4.684	50	13189	4.46	ug/L		82
7) vinyl chloride	4.935	62	15783	4.34	ug/L		97
8) bromomethane	5.451	96	5239	4.65	ug/L		87
9) chloroethane	5.621	64	7124	4.85	ug/L		93
10) ethyl ether	6.515	59	10257	4.97	ug/L		97
11) acetonitrile	6.172	41	7912	4.32	ug/L		98
12) trichlorofluoromethane	6.271	101	17960	4.43	ug/L		95
13) freon-113	7.052	101	10218	4.54	ug/L		93
14) acrolein	6.271	56	10744	24.38	ug/L		94
15) 1,1-dichloroethene	6.869	96	10432	4.19	ug/L		94
16) acetone	6.413	58	1629	5.96	ug/L	#	35
17) Methyl Acetate	7.049	43	17901	5.54	ug/L	#	94
18) methylene chloride	7.017	84	12077	5.04	ug/L	#	79
19) methyl tert butyl ether	7.802	73	21114	4.51	ug/L		96
20) acrylonitrile	6.932	53	4317	5.16	ug/L		79
21) allyl chloride	7.109	41	15784	4.62	ug/L		79
22) trans-1,2-dichloroethene	7.714	96	9938	4.29	ug/L		89
23) iodomethane	6.929	142	4920	2.79	ug/L		83
24) carbon disulfide	7.300	76	33584	5.02	ug/L		96
26) vinyl acetate	7.049	43	17901	5.54	ug/L		98
27) chloroprene	8.325	53	16334	4.70	ug/L		88
28) di-isopropyl ether	8.361	45	40585	5.11	ug/L		90
29) methacrylonitrile	8.488	41	7359	5.88	ug/L		98
30) 2-butanone	8.392	72	1106	4.31	ug/L	#	1
31) Hexane	8.343	41	18898	5.27	ug/L		89
32) 1,1-dichloroethane	7.965	63	21874	4.60	ug/L		99
33) tert-butyl ethyl ether	8.749	59	13406	4.22	ug/L		79
34) isobutyl alcohol	8.357	43	35487	26.53	ug/L		84
35) 2,2-dichloropropane	8.817	77	6086	2.52	ug/L		87
36) cis-1,2-dichloroethene	8.534	96	11557	4.51	ug/L	#	77
37) ethyl acetate	8.357	43	35721	5.22	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82692.D
Acq On : 25 Nov 2013 1:56 pm
Operator : jaclynb
Sample : ic3086-5
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 26 09:59:52 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:59:26 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.700	128	5111	5.16	ug/L	#	75
39) chloroform	8.739	83	19823	4.62	ug/L		94
41) Tetrahydrofuran	9.068	42	3228	5.41	ug/L		82
42) 1,1,1-trichloroethane	9.495	97	14030	4.84	ug/L		93
44) Cyclohexane	9.768	56	21132	5.34	ug/L		92
45) carbon tetrachloride	9.849	117	11114	4.93	ug/L		95
46) 1,1-dichloropropene	9.662	75	14294	5.36	ug/L		95
47) benzene	9.891	78	43866	4.66	ug/L		95
48) 1,2-dichloroethane	9.393	62	15834	5.04	ug/L		95
49) tert-amyl methyl ether	10.001	73	15634	4.63	ug/L		88
50) heptane	10.358	43	13631	4.53	ug/L		81
51) trichloroethene	10.503	95	11434	4.79	ug/L		83
52) 1,2-dichloropropane	10.471	63	12944	5.54	ug/L		93
53) dibromomethane	10.453	93	7012	5.57	ug/L		95
54) bromodichloromethane	10.567	83	14362	4.71	ug/L		94
55) Methylcyclohexane	11.019	83	18459	4.58	ug/L		98
56) 2-chloroethyl vinyl ether	10.082	63	69273	50.49	ug/L	#	44
57) methyl methacrylate	10.655	69	6070	4.82	ug/L	#	73
59) cis-1,3-dichloropropene	11.178	75	14789	4.93	ug/L		93
61) 4-methyl-2-pentanone	11.274	43	9893	5.02	ug/L		100
62) toluene	11.959	92	23751	4.55	ug/L		96
63) trans-1,3-dichloropropene	11.595	75	12637	5.04	ug/L		96
64) 1,1,2-trichloroethane	11.769	83	8302	4.81	ug/L		93
65) ethyl methacrylate	11.967	69	10955	4.70	ug/L		86
67) tetrachloroethene	12.695	166	10958	4.35	ug/L		92
68) 1,3-dichloropropane	12.005	76	16150	5.06	ug/L		99
69) dibromochloromethane	12.295	129	9874	4.73	ug/L		99
70) 1,2-dibromoethane	12.550	107	9188	5.16	ug/L		96
71) 2-hexanone	12.136	43	5804	4.24	ug/L		95
72) chlorobenzene	13.374	112	27202	4.57	ug/L		96
73) 1,1,1,2-tetrachloroethane	13.292	131	9014	4.59	ug/L		95
74) ethylbenzene	13.543	91	48705	4.54	ug/L		95
75) m,p-xylene	13.727	106	37074	8.91	ug/L		99
76) o-xylene	14.148	106	18564	4.45	ug/L		83
77) styrene	14.074	104	26681	5.01	ug/L		99
78) bromoform	13.900	173	6589	4.92	ug/L		93
79) trans-1,4-dichloro-2-b...	14.303	53	1784	3.55	ug/L		94
81) isopropylbenzene	14.501	105	48639	5.32	ug/L		91
83) bromobenzene	14.802	156	10518	4.88	ug/L		91
84) 1,1,2,2-tetrachloroethane	14.141	83	12318	4.92	ug/L		95
85) 1,2,3-trichloropropane	14.296	75	11385	5.34	ug/L		85
86) n-propylbenzene	14.947	91	58999	5.45	ug/L		99
87) 2-chlorotoluene	15.071	91	36518	5.67	ug/L		99
88) 4-chlorotoluene	15.148	91	34351	5.27	ug/L		99
89) 1,3,5-trimethylbenzene	15.226	105	40208	4.52	ug/L		92
90) tert-butylbenzene	15.527	91	24305	5.21	ug/L		91
91) 1,2,4-trimethylbenzene	15.633	105	39969	4.74	ug/L		93
92) sec-butylbenzene	15.746	105	55333	5.34	ug/L		97
93) 1,3-dichlorobenzene	15.859	146	22086	4.86	ug/L		97
94) p-isopropyltoluene	15.916	119	40580	5.07	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82692.D
Acq On : 25 Nov 2013 1:56 pm
Operator : jaclynb
Sample : ic3086-5
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 26 09:59:52 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:59:26 2013
Response via : Initial Calibration

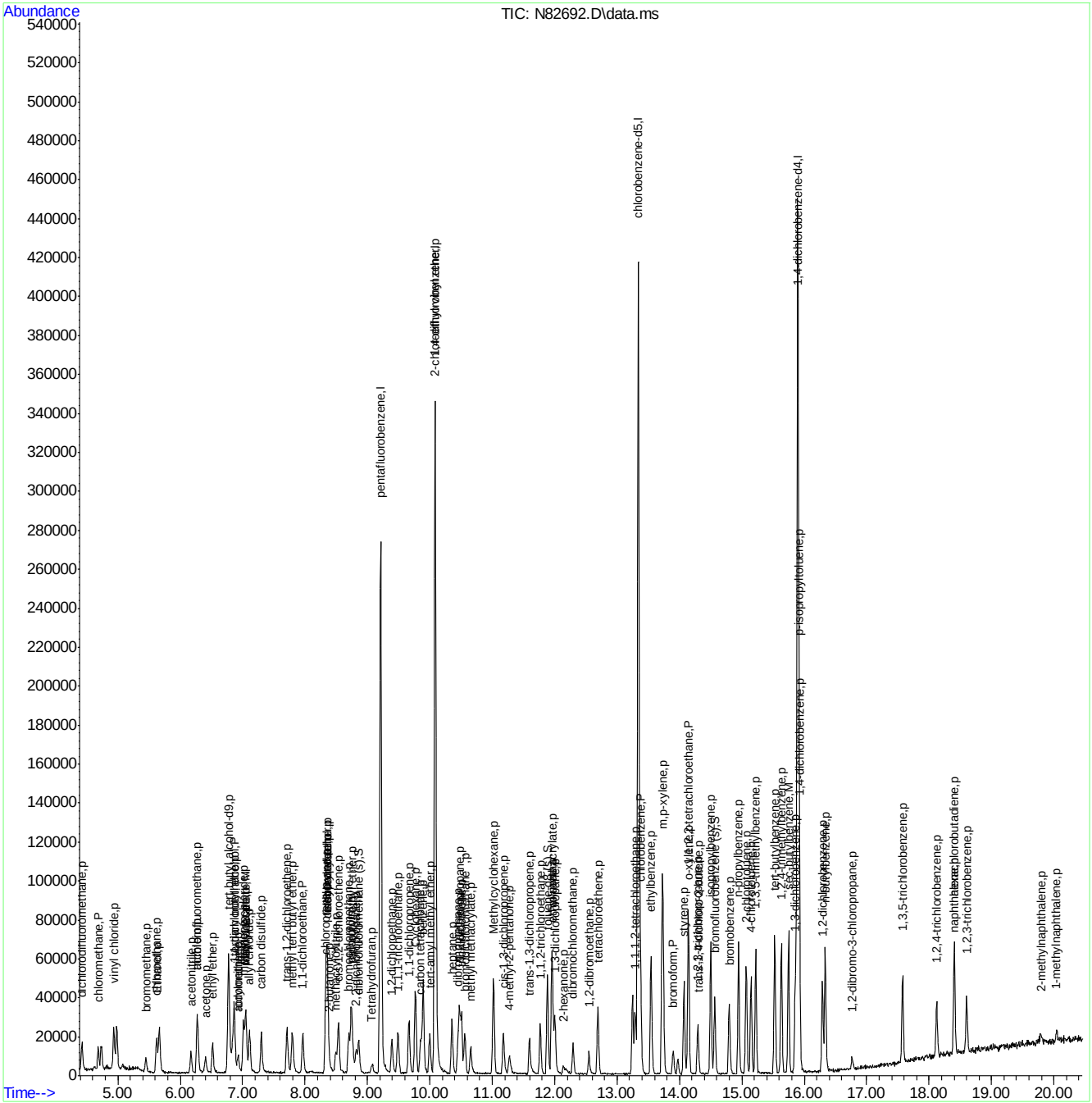
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
95)	1,4-dichlorobenzene	15.926	146	20876	4.69	ug/L		91
96)	1,2-dichlorobenzene	16.294	146	20699	4.57	ug/L		97
97)	n-butylbenzene	16.336	91	38235	4.78	ug/L		97
98)	1,2-dibromo-3-chloropr...	16.764	75	2011	5.53	ug/L	#	68
99)	1,2,4-trichlorobenzene	18.125	180	9852	4.15	ug/L		88
100)	1,3,5-trichlorobenzene	17.577	180	14855	5.17	ug/L		97
101)	hexachlorobutadiene	18.404	225	9407	5.38	ug/L		87
102)	naphthalene	18.394	128	15334	4.37	ug/L		100
103)	1,2,3-trichlorobenzene	18.602	180	10136	4.47	ug/L		100
104)	2-methylnaphthalene	19.797	142	3304	2.53	ug/L	#	93
105)	1-methylnaphthalene	20.041	142	3921	2.44	ug/L	#	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82692.D
Acq On : 25 Nov 2013 1:56 pm
Operator : jaclynb
Sample : ic3086-5
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 26 09:59:52 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:59:26 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 11/26/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82693.D
Acq On : 25 Nov 2013 2:24 pm
Operator : jaclynb
Sample : ic3086-10
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 26 10:01:14 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:00:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.777	65	81427	500.00	ug/L		0.01
4) pentafluorobenzene	9.209	168	181995	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	273648	50.00	ug/L		0.00
66) chlorobenzene-d5	13.342	82	143846	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	113402	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	17769	13.68	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 27.36%#				
60) toluene-d8 (s)	11.882	98	68581	13.14	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 26.28%#				
82) bromofluorobenzene (s)	14.565	95	24872	10.85	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 21.70%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.865	59	23816	110.00	ug/L		93
3) Ethanol	5.617	45	37052	1127.65	ug/L		97
5) dichlorodifluoromethane	4.426	85	26857	9.66	ug/L		99
6) chloromethane	4.687	50	24582	8.95	ug/L		99
7) vinyl chloride	4.935	62	32879	9.77	ug/L		96
8) bromomethane	5.451	96	11017	10.54	ug/L		88
9) chloroethane	5.614	64	14389	10.38	ug/L		95
10) ethyl ether	6.522	59	20074	10.25	ug/L		90
11) acetonitrile	6.176	41	12665	7.48	ug/L		93
12) trichlorofluoromethane	6.275	101	37583	9.99	ug/L		92
13) freon-113	7.049	101	22343	10.70	ug/L		98
14) acrolein	6.268	56	22783	55.09	ug/L		96
15) 1,1-dichloroethene	6.862	96	21500	9.38	ug/L		87
16) acetone	6.402	58	3461	12.16	ug/L	#	56
17) Methyl Acetate	7.042	43	36743	11.36	ug/L		99
18) methylene chloride	7.014	84	23602	10.34	ug/L	#	82
19) methyl tert butyl ether	7.795	73	45396	10.42	ug/L		97
20) acrylonitrile	6.925	53	9244	11.44	ug/L		86
21) allyl chloride	7.109	41	34545	11.07	ug/L		98
22) trans-1,2-dichloroethene	7.710	96	21249	9.94	ug/L		92
23) iodomethane	6.929	142	12547	9.61	ug/L		96
24) carbon disulfide	7.300	76	70062	11.01	ug/L		99
25) propionitrile	6.833	54	606	15.51	ug/L		100
26) vinyl acetate	7.042	43	36743	11.36	ug/L		94
27) chloroprene	8.332	53	35882	11.04	ug/L		91
28) di-isopropyl ether	8.357	45	85422	11.24	ug/L		89
29) methacrylonitrile	8.491	41	15018	11.93	ug/L		99
30) 2-butanone	8.382	72	2356	10.38	ug/L	#	1
31) Hexane	8.343	41	39990	11.43	ug/L	#	96
32) 1,1-dichloroethane	7.965	63	44710	10.06	ug/L		98
33) tert-butyl ethyl ether	8.753	59	31149	10.88	ug/L		95
34) isobutyl alcohol	8.354	43	73520	56.14	ug/L		62
35) 2,2-dichloropropane	8.820	77	17537	10.15	ug/L		100
36) cis-1,2-dichloroethene	8.530	96	23515	9.85	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82693.D
Acq On : 25 Nov 2013 2:24 pm
Operator : jaclynb
Sample : ic3086-10
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 26 10:01:14 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:00:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.354	43	73520	11.14	ug/L		99
38) bromochloromethane	8.704	128	11110	11.71	ug/L	#	79
39) chloroform	8.735	83	41771	10.40	ug/L		99
41) Tetrahydrofuran	9.075	42	6711	11.38	ug/L		89
42) 1,1,1-trichloroethane	9.485	97	30925	11.30	ug/L		93
44) Cyclohexane	9.768	56	42698	11.14	ug/L	#	92
45) carbon tetrachloride	9.849	117	25264	11.86	ug/L		97
46) 1,1-dichloropropene	9.665	75	28957	11.19	ug/L		97
47) benzene	9.891	78	90306	10.26	ug/L		98
48) 1,2-dichloroethane	9.393	62	32863	11.01	ug/L		94
49) tert-amyl methyl ether	9.997	73	32500	10.34	ug/L		89
50) heptane	10.351	43	28283	10.16	ug/L		85
51) trichloroethene	10.510	95	23727	10.58	ug/L		95
52) 1,2-dichloropropane	10.471	63	25713	11.21	ug/L		96
53) dibromomethane	10.450	93	13904	11.23	ug/L		96
54) bromodichloromethane	10.560	83	31301	10.99	ug/L		93
55) Methylcyclohexane	11.019	83	39012	10.43	ug/L		94
56) 2-chloroethyl vinyl ether	10.086	63	65885	9.13	ug/L	#	44
57) methyl methacrylate	10.652	69	12904	11.01	ug/L	#	71
58) 1,4-dioxane	10.652	88	970	47.42	ug/L		84
59) cis-1,3-dichloropropene	11.178	75	32565	11.49	ug/L		99
61) 4-methyl-2-pentanone	11.267	43	21505	11.49	ug/L		96
62) toluene	11.956	92	52113	10.77	ug/L		98
63) trans-1,3-dichloropropene	11.592	75	26434	11.11	ug/L		99
64) 1,1,2-trichloroethane	11.769	83	17655	10.90	ug/L		94
65) ethyl methacrylate	11.963	69	23996	11.19	ug/L		94
67) tetrachloroethene	12.688	166	23306	10.09	ug/L		95
68) 1,3-dichloropropane	12.002	76	32907	10.93	ug/L		98
69) dibromochloromethane	12.295	129	21523	11.08	ug/L		99
70) 1,2-dibromoethane	12.550	107	19801	11.69	ug/L		96
71) 2-hexanone	12.126	43	13846	11.64	ug/L		96
72) chlorobenzene	13.374	112	57385	10.47	ug/L		96
73) 1,1,1,2-tetrachloroethane	13.289	131	18930	10.41	ug/L		97
74) ethylbenzene	13.547	91	101858	10.32	ug/L		97
75) m,p-xylene	13.727	106	80138	20.92	ug/L		94
76) o-xylene	14.144	106	39389	10.27	ug/L		95
77) styrene	14.070	104	57413	11.45	ug/L		91
78) bromoform	13.900	173	14063	11.21	ug/L		99
79) trans-1,4-dichloro-2-b...	14.289	53	4224	10.45	ug/L	#	49
81) isopropylbenzene	14.498	105	102286	11.59	ug/L		94
83) bromobenzene	14.795	156	23306	11.54	ug/L		92
84) 1,1,2,2-tetrachloroethane	14.144	83	25383	10.76	ug/L		98
85) 1,2,3-trichloropropane	14.296	75	24157	11.59	ug/L		100
86) n-propylbenzene	14.947	91	122558	11.47	ug/L		100
87) 2-chlorotoluene	15.067	91	74966	11.54	ug/L		100
88) 4-chlorotoluene	15.145	91	73404	11.60	ug/L		96
89) 1,3,5-trimethylbenzene	15.223	105	85690	10.44	ug/L		93
90) tert-butylbenzene	15.527	91	52692	11.70	ug/L		95
91) 1,2,4-trimethylbenzene	15.633	105	81720	10.39	ug/L		99
92) sec-butylbenzene	15.746	105	117545	11.60	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82693.D
Acq On : 25 Nov 2013 2:24 pm
Operator : jaclynb
Sample : ic3086-10
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 26 10:01:14 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:00:49 2013
Response via : Initial Calibration

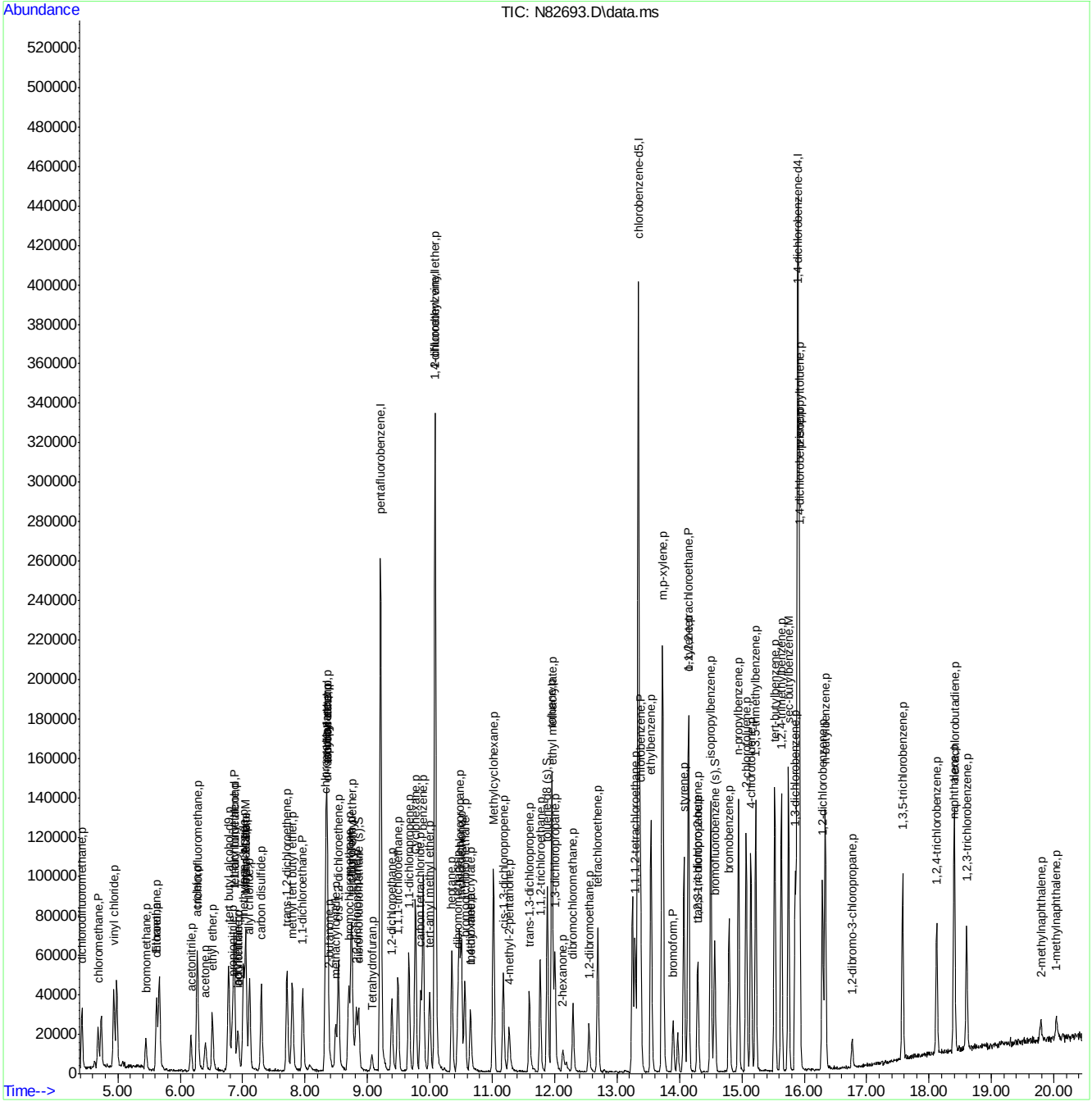
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	15.859	146	44507	10.44	ug/L		96
94) p-isopropyltoluene	15.919	119	87972	11.55	ug/L		97
95) 1,4-dichlorobenzene	15.923	146	42631	10.28	ug/L		98
96) 1,2-dichlorobenzene	16.290	146	42088	10.04	ug/L		96
97) n-butylbenzene	16.336	91	82991	11.22	ug/L		100
98) 1,2-dibromo-3-chloropr...	16.768	75	4026	11.12	ug/L		85
99) 1,2,4-trichlorobenzene	18.118	180	22514	10.96	ug/L		96
100) 1,3,5-trichlorobenzene	17.577	180	30900	11.19	ug/L		98
101) hexachlorobutadiene	18.408	225	19474	11.35	ug/L		96
102) naphthalene	18.394	128	39790	12.39	ug/L		100
103) 1,2,3-trichlorobenzene	18.602	180	21712	10.69	ug/L		94
104) 2-methylnaphthalene	19.794	142	6345	5.11	ug/L	#	93
105) 1-methylnaphthalene	20.041	142	6392m	4.26	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82693.D
Acq On : 25 Nov 2013 2:24 pm
Operator : jaclynb
Sample : ic3086-10
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 26 10:01:14 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:00:49 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 11/26/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82694.D
Acq On : 25 Nov 2013 2:51 pm
Operator : jaclynb
Sample : ic3086-25
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 26 10:01:50 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:01:33 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.773	65	93115	500.00	ug/L		0.00
4) pentafluorobenzene	9.213	168	198296	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	305568	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	163352	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	132207	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	48473	32.28	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 64.56%#				
60) toluene-d8 (s)	11.882	98	188048	30.66	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 61.32%#				
82) bromofluorobenzene (s)	14.561	95	71840	26.51	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 53.02%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.858	59	57568	226.84	ug/L		92
3) Ethanol	5.621	45	86436	2229.27	ug/L		100
5) dichlorodifluoromethane	4.426	85	71781	23.83	ug/L		98
6) chloromethane	4.684	50	61495	20.91	ug/L		98
7) vinyl chloride	4.938	62	82015	22.46	ug/L		95
8) bromomethane	5.451	96	30187	26.15	ug/L		93
9) chloroethane	5.621	64	37234	24.49	ug/L		89
10) ethyl ether	6.512	59	48877	22.81	ug/L		98
11) acetonitrile	6.169	41	20648	11.68	ug/L		99
12) trichlorofluoromethane	6.275	101	97044	23.67	ug/L		93
13) freon-113	7.053	101	54580	23.67	ug/L		98
14) acrolein	6.268	56	62489	134.14	ug/L		100
15) 1,1-dichloroethene	6.862	96	49387	19.99	ug/L		89
16) acetone	6.406	58	8569	25.78	ug/L	#	60
17) Methyl Acetate	7.042	43	88293	23.96	ug/L	#	94
18) methylene chloride	7.010	84	56644	22.63	ug/L	#	76
19) methyl tert butyl ether	7.791	73	109991	23.01	ug/L		92
20) acrylonitrile	6.918	53	22324	24.20	ug/L		96
21) allyl chloride	7.109	41	89885	25.52	ug/L		88
22) trans-1,2-dichloroethene	7.710	96	52003	22.35	ug/L		94
23) iodomethane	6.925	142	40815	29.08	ug/L		99
24) carbon disulfide	7.300	76	172989	24.33	ug/L		100
25) propionitrile	6.837	54	1081	19.91	ug/L		100
26) vinyl acetate	7.042	43	88293	23.96	ug/L		92
27) chloroprene	8.329	53	91357	25.27	ug/L		86
28) di-isopropyl ether	8.353	45	206862	24.22	ug/L		96
29) methacrylonitrile	8.488	41	39141	27.22	ug/L		98
30) 2-butanone	8.385	72	6705	26.77	ug/L	#	1
31) Hexane	8.339	41	95352	23.88	ug/L	#	83
32) 1,1-dichloroethane	7.965	63	108559	22.39	ug/L		95
33) tert-butyl ethyl ether	8.753	59	92190	28.92	ug/L		93
34) isobutyl alcohol	8.350	43	182146	122.63	ug/L		62
35) 2,2-dichloropropane	8.820	77	54090	28.60	ug/L		97
36) cis-1,2-dichloroethene	8.530	96	57673	22.23	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82694.D
Acq On : 25 Nov 2013 2:51 pm
Operator : jaclynb
Sample : ic3086-25
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 26 10:01:50 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:01:33 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.350	43	183015	24.75	ug/L		95
38) bromochloromethane	8.696	128	25763	24.09	ug/L	#	84
39) chloroform	8.732	83	100233	22.75	ug/L		97
41) Tetrahydrofuran	9.068	42	16264	24.19	ug/L		90
42) 1,1,1-trichloroethane	9.485	97	80697	26.50	ug/L		99
44) Cyclohexane	9.768	56	109243	24.81	ug/L		94
45) carbon tetrachloride	9.856	117	65805	26.67	ug/L		96
46) 1,1-dichloropropene	9.665	75	75302	25.30	ug/L		99
47) benzene	9.891	78	217868	22.07	ug/L		97
48) 1,2-dichloroethane	9.389	62	79304	23.32	ug/L		100
49) tert-amyl methyl ether	10.001	73	82995	23.49	ug/L		91
50) heptane	10.354	43	72642	23.30	ug/L		87
51) trichloroethene	10.507	95	57509	22.75	ug/L		97
52) 1,2-dichloropropane	10.471	63	64044	24.27	ug/L		99
53) dibromomethane	10.446	93	33994	23.85	ug/L		93
54) bromodichloromethane	10.563	83	77022	23.76	ug/L		99
55) Methylcyclohexane	11.019	83	101064	24.00	ug/L		94
56) 2-chloroethyl vinyl ether	10.082	63	72694	9.29	ug/L	#	44
57) methyl methacrylate	10.644	69	33402	24.69	ug/L	#	81
58) 1,4-dioxane	10.655	88	2832	127.27	ug/L		72
59) cis-1,3-dichloropropene	11.175	75	83682	25.81	ug/L		99
61) 4-methyl-2-pentanone	11.267	43	53159	24.23	ug/L		93
62) toluene	11.956	92	128649	23.45	ug/L		97
63) trans-1,3-dichloropropene	11.592	75	68478	25.31	ug/L		94
64) 1,1,2-trichloroethane	11.769	83	43067	23.39	ug/L		94
65) ethyl methacrylate	11.960	69	60192	24.18	ug/L		90
67) tetrachloroethene	12.691	166	57359	21.84	ug/L		92
68) 1,3-dichloropropane	12.002	76	82241	23.62	ug/L		100
69) dibromochloromethane	12.292	129	52243	23.26	ug/L		96
70) 1,2-dibromoethane	12.546	107	48124	24.00	ug/L		99
71) 2-hexanone	12.122	43	36498	25.61	ug/L		99
72) chlorobenzene	13.377	112	140815	22.41	ug/L		97
73) 1,1,1,2-tetrachloroethane	13.285	131	47126	22.67	ug/L		96
74) ethylbenzene	13.543	91	256040	22.71	ug/L		98
75) m,p-xylene	13.731	106	200028	45.63	ug/L		95
76) o-xylene	14.141	106	98043	22.41	ug/L		89
77) styrene	14.070	104	146928	24.91	ug/L		96
78) bromoform	13.900	173	34767	23.82	ug/L		98
79) trans-1,4-dichloro-2-b...	14.289	53	12473	26.78	ug/L	#	60
81) isopropylbenzene	14.501	105	253409	23.69	ug/L		99
83) bromobenzene	14.795	156	57907	23.68	ug/L		98
84) 1,1,2,2-tetrachloroethane	14.144	83	64538	23.17	ug/L		100
85) 1,2,3-trichloropropane	14.296	75	61110	23.88	ug/L		94
86) n-propylbenzene	14.947	91	313583	23.99	ug/L		98
87) 2-chlorotoluene	15.067	91	187119	23.49	ug/L		99
88) 4-chlorotoluene	15.141	91	187865	24.17	ug/L		98
89) 1,3,5-trimethylbenzene	15.223	105	215884	22.37	ug/L		98
90) tert-butylbenzene	15.527	91	132404	23.87	ug/L		97
91) 1,2,4-trimethylbenzene	15.633	105	211103	22.84	ug/L		98
92) sec-butylbenzene	15.746	105	296027	23.79	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82694.D
Acq On : 25 Nov 2013 2:51 pm
Operator : jaclynb
Sample : ic3086-25
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 26 10:01:50 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:01:33 2013
Response via : Initial Calibration

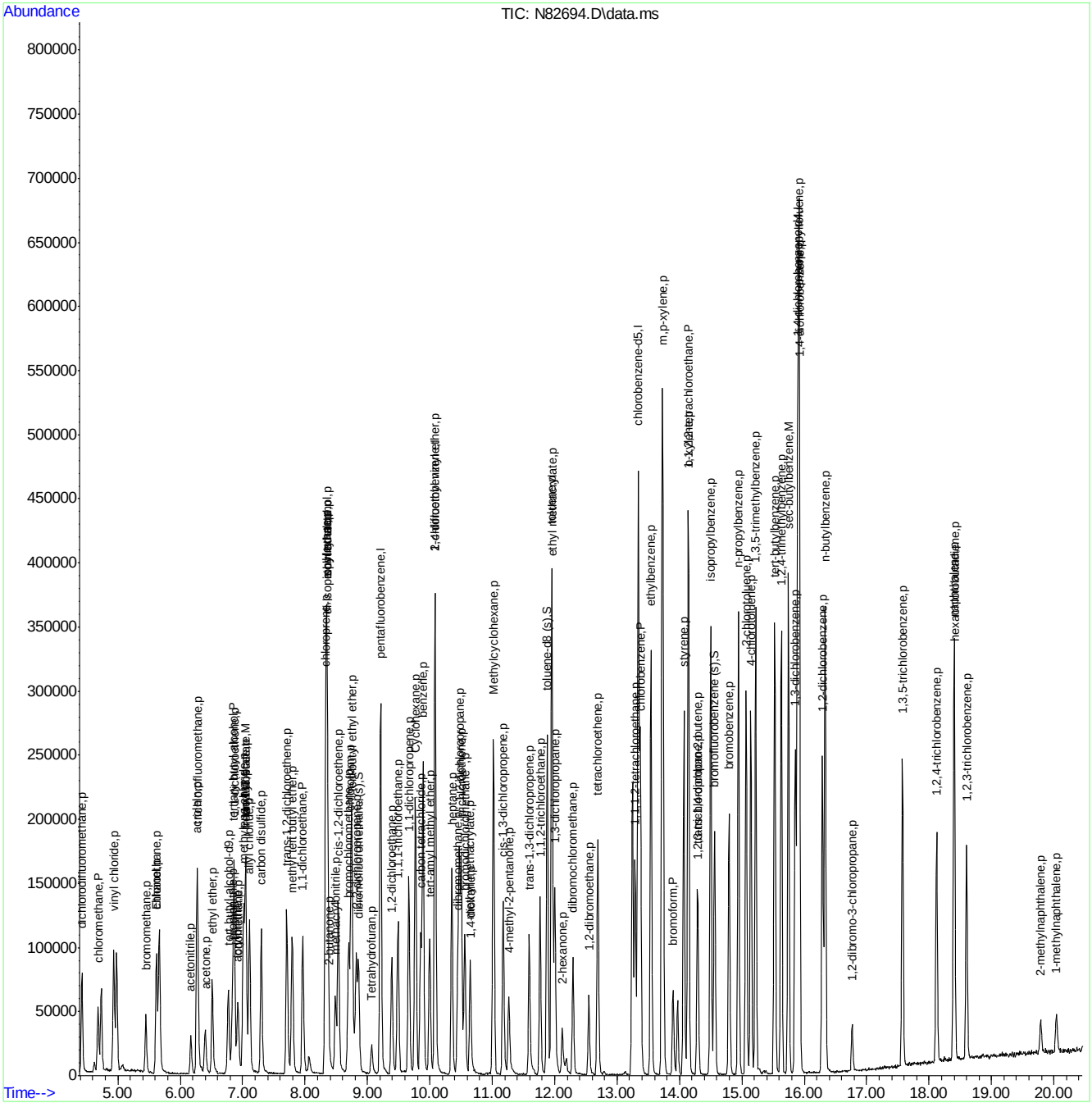
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.855	146	112250	22.38	ug/L	93
94) p-isopropyltoluene	15.916	119	231140	24.75	ug/L	98
95) 1,4-dichlorobenzene	15.926	146	110462	22.73	ug/L	93
96) 1,2-dichlorobenzene	16.290	146	109469	22.38	ug/L	98
97) n-butylbenzene	16.333	91	224051	24.96	ug/L	95
98) 1,2-dibromo-3-chloropr...	16.764	75	10677	24.39	ug/L	94
99) 1,2,4-trichlorobenzene	18.118	180	62564	25.32	ug/L	100
100) 1,3,5-trichlorobenzene	17.574	180	80069	23.92	ug/L	98
101) hexachlorobutadiene	18.408	225	48177	23.05	ug/L	92
102) naphthalene	18.397	128	127950	32.62	ug/L	100
103) 1,2,3-trichlorobenzene	18.602	180	60380	24.93	ug/L	98
104) 2-methylnaphthalene	19.790	142	15122m	10.37	ug/L	
105) 1-methylnaphthalene	20.034	142	17259	10.37	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82694.D
Acq On : 25 Nov 2013 2:51 pm
Operator : jaclynb
Sample : ic3086-25
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 26 10:01:50 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:01:33 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82695.D
Acq On : 25 Nov 2013 3:19 pm
Operator : jaclynb
Sample : icc3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 26 09:23:08 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 21 14:14:31 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.766	65	86019	500.00	ug/L		-0.01
4) pentafluorobenzene	9.209	168	205694	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	316548	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	168228	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.891	152	146549	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.855	113	101345	44.70	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.40%				
60) toluene-d8 (s)	11.882	98	386441	44.00	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 88.00%				
82) bromofluorobenzene (s)	14.561	95	151653	45.54	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.08%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.858	59	110979	428.36	ug/L		92
3) Ethanol	5.617	45	167179	4294.67	ug/L		99
5) dichlorodifluoromethane	4.426	85	134632	42.60	ug/L		99
6) chloromethane	4.680	50	118165	35.19	ug/L		97
7) vinyl chloride	4.935	62	157360	40.92	ug/L		99
8) bromomethane	5.447	96	62936	49.74	ug/L		97
9) chloroethane	5.617	64	72614	49.53	ug/L		100
10) ethyl ether	6.512	59	98711	46.14	ug/L		90
12) trichlorofluoromethane	6.275	101	186561	49.07	ug/L		97
13) freon-113	7.052	101	107614	44.77	ug/L		98
14) acrolein	6.264	56	118321	325.14	ug/L		100
15) 1,1-dichloroethene	6.862	96	97156	42.80	ug/L		95
16) acetone	6.398	58	14665	34.80	ug/L	#	74
17) Methyl Acetate	7.042	43	173441	55.63	ug/L	#	94
18) methylene chloride	7.010	84	113983	42.52	ug/L		85
19) methyl tert butyl ether	7.795	73	228392	40.38	ug/L		96
20) acrylonitrile	6.915	53	44952	50.62	ug/L		96
21) allyl chloride	7.105	41	183242	49.44	ug/L		90
22) trans-1,2-dichloroethene	7.706	96	102783	42.00	ug/L		92
23) iodomethane	6.929	142	94678	40.21	ug/L		93
24) carbon disulfide	7.300	76	348439	44.15	ug/L		100
25) propionitrile	6.847	54	2208	60.82	ug/L		100
26) vinyl acetate	7.042	43	173441	55.63	ug/L		88
27) chloroprene	8.329	53	186388	44.09	ug/L		91
28) di-isopropyl ether	8.353	45	421731	45.64	ug/L		95
29) methacrylonitrile	8.481	41	71421	46.20	ug/L		89
30) 2-butanone	8.371	72	13777	39.80	ug/L	#	20
31) Hexane	8.339	41	192370	43.79	ug/L	#	82
32) 1,1-dichloroethane	7.965	63	218485	43.42	ug/L		98
33) tert-butyl ethyl ether	8.749	59	227525	39.35	ug/L		95
34) isobutyl alcohol	8.350	43	359018	220.65	ug/L		65
35) 2,2-dichloropropane	8.820	77	129870	43.84	ug/L		100
36) cis-1,2-dichloroethene	8.530	96	114555	41.92	ug/L		95
37) ethyl acetate	8.350	43	359018	44.13	ug/L		94

ACCUTEST LABORATORIES MC27146

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82695.D
Acq On : 25 Nov 2013 3:19 pm
Operator : jaclynb
Sample : icc3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 26 09:23:08 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 21 14:14:31 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.700	128	53056	44.82	ug/L		89
39) chloroform	8.739	83	205693	41.60	ug/L		98
41) Tetrahydrofuran	9.068	42	32014	48.42	ug/L		79
42) 1,1,1-trichloroethane	9.488	97	167727	46.88	ug/L		99
44) Cyclohexane	9.768	56	222971	46.96	ug/L		92
45) carbon tetrachloride	9.852	117	140781	45.62	ug/L		95
46) 1,1-dichloropropene	9.665	75	151116	43.21	ug/L		98
47) benzene	9.891	78	445451	40.51	ug/L		99
48) 1,2-dichloroethane	9.389	62	162307	39.78	ug/L		98
49) tert-amyl methyl ether	9.997	73	185901	38.63	ug/L		93
50) heptane	10.351	43	146572	49.03	ug/L		91
51) trichloroethene	10.503	95	120728	40.45	ug/L		91
52) 1,2-dichloropropane	10.475	63	131856	44.42	ug/L		100
53) dibromomethane	10.450	93	69830	39.87	ug/L		94
54) bromodichloromethane	10.559	83	158664	41.08	ug/L		98
55) Methylcyclohexane	11.019	83	205856	45.10	ug/L		95
56) 2-chloroethyl vinyl ether	10.082	63	75210	25.37	ug/L	#	44
57) methyl methacrylate	10.648	69	69056	45.01	ug/L	#	81
58) 1,4-dioxane	10.658	88	5915	247.99	ug/L	#	62
59) cis-1,3-dichloropropene	11.171	75	177455	44.39	ug/L		98
61) 4-methyl-2-pentanone	11.263	43	108008	44.54	ug/L		93
62) toluene	11.952	92	266668	41.94	ug/L		98
63) trans-1,3-dichloropropene	11.588	75	144400	43.15	ug/L		95
64) 1,1,2-trichloroethane	11.769	83	88786	41.34	ug/L		97
65) ethyl methacrylate	11.959	69	127886	44.71	ug/L		87
67) tetrachloroethene	12.691	166	116483	41.53	ug/L		97
68) 1,3-dichloropropane	11.998	76	171452	44.51	ug/L		95
69) dibromochloromethane	12.292	129	111673	42.77	ug/L		97
70) 1,2-dibromoethane	12.546	107	100120	43.29	ug/L		99
71) 2-hexanone	12.115	43	75299	38.32	ug/L		97
72) chlorobenzene	13.374	112	293663	42.40	ug/L		97
73) 1,1,1,2-tetrachloroethane	13.289	131	98591	41.64	ug/L		98
74) ethylbenzene	13.543	91	526148	42.15	ug/L		98
75) m,p-xylene	13.727	106	411916	82.74	ug/L		97
76) o-xylene	14.141	106	204453	41.74	ug/L		100
77) styrene	14.070	104	318157	44.33	ug/L		98
78) bromoform	13.900	173	75843	46.92	ug/L		99
79) trans-1,4-dichloro-2-b...	14.289	53	27623	45.72	ug/L	#	54
81) isopropylbenzene	14.501	105	539982	43.40	ug/L		98
83) bromobenzene	14.798	156	122886	42.74	ug/L		94
84) 1,1,2,2-tetrachloroethane	14.141	83	130986	39.69	ug/L		98
85) 1,2,3-trichloropropane	14.289	75	130243	45.11	ug/L		95
86) n-propylbenzene	14.943	91	660675	43.92	ug/L		98
87) 2-chlorotoluene	15.067	91	393726	43.63	ug/L		100
88) 4-chlorotoluene	15.145	91	398430	44.08	ug/L		97
89) 1,3,5-trimethylbenzene	15.219	105	463787	41.21	ug/L		97
90) tert-butylbenzene	15.527	91	284938	43.14	ug/L		98
91) 1,2,4-trimethylbenzene	15.633	105	448924	41.33	ug/L		96
92) sec-butylbenzene	15.746	105	633279	43.71	ug/L		100
93) 1,3-dichlorobenzene	15.855	146	246273	41.17	ug/L		99

ACCUTEST LABORATORIES MC27146

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82695.D
Acq On : 25 Nov 2013 3:19 pm
Operator : jaclynb
Sample : icc3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 26 09:23:08 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 21 14:14:31 2013
Response via : Initial Calibration

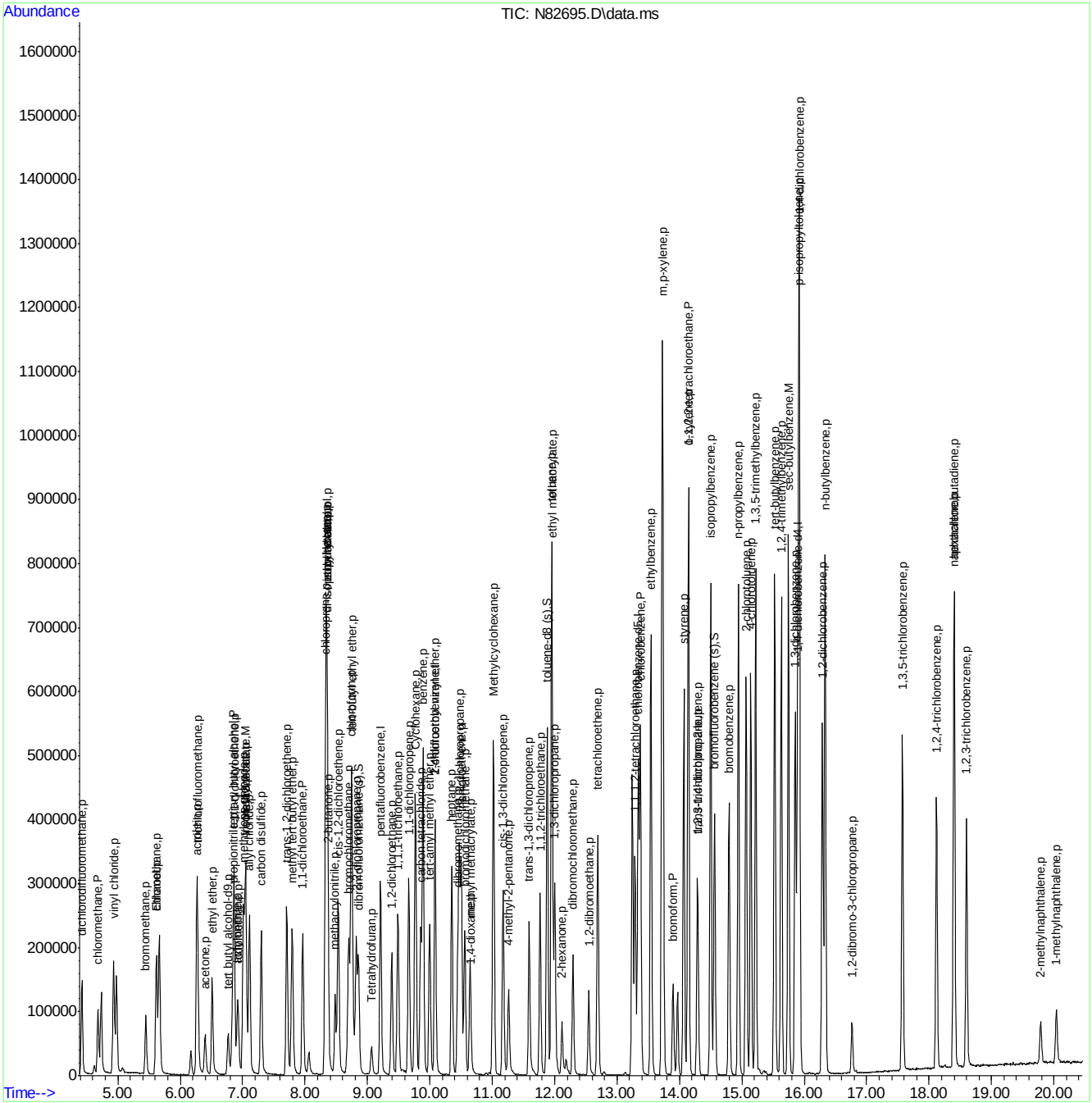
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	p-isopropyltoluene	15.915	119	488949	43.83	ug/L	100
95)	1,4-dichlorobenzene	15.922	146	239802	40.80	ug/L	99
96)	1,2-dichlorobenzene	16.290	146	236419	41.43	ug/L	99
97)	n-butylbenzene	16.333	91	489078	45.19	ug/L	97
98)	1,2-dibromo-3-chloropr...	16.764	75	22214	44.96	ug/L	98
99)	1,2,4-trichlorobenzene	18.118	180	145054	47.02	ug/L	99
100)	1,3,5-trichlorobenzene	17.573	180	175440	45.23	ug/L	99
101)	hexachlorobutadiene	18.404	225	106842	47.75	ug/L	96
102)	naphthalene	18.397	128	308269	49.91	ug/L	100
103)	1,2,3-trichlorobenzene	18.599	180	138615	47.59	ug/L	99
104)	2-methylnaphthalene	19.790	142	39900	22.61	ug/L	99
105)	1-methylnaphthalene	20.038	142	49129	24.52	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82695.D
Acq On : 25 Nov 2013 3:19 pm
Operator : jaclynb
Sample : icc3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 26 09:23:08 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 21 14:14:31 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82696.D
Acq On : 25 Nov 2013 3:47 pm
Operator : jaclynb
Sample : ic3086-100
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 26 10:02:07 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:00 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.770	65	93337	500.00	ug/L		0.00
4) pentafluorobenzene	9.213	168	222712	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	337754	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	182530	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	164723	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	216903	123.47	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 246.94%#				
60) toluene-d8 (s)	11.878	98	826763	118.12	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 236.24%#				
82) bromofluorobenzene (s)	14.561	95	332237	97.55	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 195.10%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.855	59	231581	927.54	ug/L		97
3) Ethanol	5.614	45	338496	8902.20	ug/L		100
5) dichlorodifluoromethane	4.426	85	285963	85.11	ug/L		98
6) chloromethane	4.680	50	265748	82.40	ug/L		100
7) vinyl chloride	4.931	62	332134	82.19	ug/L		98
8) bromomethane	5.447	96	139134	106.34	ug/L		98
9) chloroethane	5.614	64	154012	90.45	ug/L		100
10) ethyl ether	6.512	59	213847	89.97	ug/L		93
11) acetonitrile	6.169	41	33086	18.04	ug/L		98
12) trichlorofluoromethane	6.275	101	394150	86.26	ug/L		99
13) freon-113	7.053	101	232266	90.47	ug/L		99
14) acrolein	6.261	56	262890	493.42	ug/L		100
15) 1,1-dichloroethene	6.865	96	203529	75.51	ug/L		96
16) acetone	6.398	58	27093	72.02	ug/L	#	75
17) Methyl Acetate	7.038	43	361687	88.32	ug/L		96
18) methylene chloride	7.010	84	246333	89.01	ug/L	#	82
19) methyl tert butyl ether	7.795	73	558565	105.22	ug/L		96
20) acrylonitrile	6.915	53	93999	91.45	ug/L		99
21) allyl chloride	7.106	41	401380	100.95	ug/L		91
22) trans-1,2-dichloroethene	7.710	96	223490	86.85	ug/L		94
23) iodomethane	6.929	142	241805	147.37	ug/L		96
24) carbon disulfide	7.296	76	753059	94.82	ug/L		99
25) propionitrile	6.833	54	4019	70.70	ug/L		100
26) vinyl acetate	7.038	43	361687	88.32	ug/L		92
27) chloroprene	8.329	53	416337	102.34	ug/L		93
28) di-isopropyl ether	8.354	45	907912	95.26	ug/L		98
29) methacrylonitrile	8.481	41	152992	93.08	ug/L		87
30) 2-butanone	8.371	72	28516	99.62	ug/L	#	16
31) Hexane	8.339	41	414810	93.55	ug/L	#	85
32) 1,1-dichloroethane	7.961	63	477882	89.10	ug/L		99
33) tert-butyl ethyl ether	8.749	59	587416	159.08	ug/L		93
34) isobutyl alcohol	8.350	43	767302	462.15	ug/L		72
35) 2,2-dichloropropane	8.824	77	315900	143.53	ug/L		98
36) cis-1,2-dichloroethene	8.534	96	249356	86.96	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82696.D
Acq On : 25 Nov 2013 3:47 pm
Operator : jaclynb
Sample : ic3086-100
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 26 10:02:07 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:00 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.350	43	770306	92.95	ug/L		91
38) bromochloromethane	8.696	128	115625	96.85	ug/L		91
39) chloroform	8.735	83	446914	91.50	ug/L		97
41) Tetrahydrofuran	9.061	42	68995	92.12	ug/L		93
42) 1,1,1-trichloroethane	9.488	97	373765	108.34	ug/L		99
44) Cyclohexane	9.771	56	487208	100.25	ug/L		94
45) carbon tetrachloride	9.852	117	316245	114.67	ug/L		100
46) 1,1-dichloropropene	9.665	75	332581	100.85	ug/L		99
47) benzene	9.891	78	986017	91.89	ug/L		100
48) 1,2-dichloroethane	9.389	62	359414	96.71	ug/L		98
49) tert-amyl methyl ether	9.997	73	477914	123.63	ug/L		93
50) heptane	10.351	43	325607	95.57	ug/L		85
51) trichloroethene	10.507	95	263508	95.54	ug/L		98
52) 1,2-dichloropropane	10.475	63	294016	101.39	ug/L		99
53) dibromomethane	10.446	93	157207	100.70	ug/L		95
54) bromodichloromethane	10.560	83	355170	99.93	ug/L		95
55) Methylcyclohexane	11.019	83	453408	98.05	ug/L		95
56) 2-chloroethyl vinyl ether	10.082	63	81055	11.12	ug/L	#	44
57) methyl methacrylate	10.644	69	156693	105.10	ug/L		83
58) 1,4-dioxane	10.648	88	12112	489.49	ug/L		90
59) cis-1,3-dichloropropene	11.171	75	407757	113.25	ug/L		99
61) 4-methyl-2-pentanone	11.260	43	238714	99.21	ug/L		93
62) toluene	11.952	92	588550	98.07	ug/L		97
63) trans-1,3-dichloropropene	11.592	75	334618	111.68	ug/L		100
64) 1,1,2-trichloroethane	11.765	83	195867	97.29	ug/L		98
65) ethyl methacrylate	11.960	69	284159	104.13	ug/L		88
67) tetrachloroethene	12.691	166	262551	91.11	ug/L		98
68) 1,3-dichloropropane	12.002	76	376026	97.54	ug/L		97
69) dibromochloromethane	12.292	129	257288	103.56	ug/L		97
70) 1,2-dibromoethane	12.546	107	225845	101.61	ug/L		100
71) 2-hexanone	12.112	43	166034	103.64	ug/L		96
72) chlorobenzene	13.374	112	649058	94.08	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.289	131	226282	98.72	ug/L		97
74) ethylbenzene	13.543	91	1172691	94.51	ug/L		98
75) m,p-xylene	13.727	106	917282	189.63	ug/L		97
76) o-xylene	14.144	106	455860	94.64	ug/L		96
77) styrene	14.070	104	717860	108.99	ug/L		96
78) bromoform	13.897	173	176098	108.83	ug/L		98
79) trans-1,4-dichloro-2-b...	14.286	53	69148	130.53	ug/L	#	77
81) isopropylbenzene	14.501	105	1209307	91.68	ug/L		98
83) bromobenzene	14.795	156	282272	93.63	ug/L		97
84) 1,1,2,2-tetrachloroethane	14.141	83	292637	85.21	ug/L		96
85) 1,2,3-trichloropropane	14.289	75	303479	96.27	ug/L		100
86) n-propylbenzene	14.947	91	1473442	91.40	ug/L		100
87) 2-chlorotoluene	15.071	91	884644	90.51	ug/L		98
88) 4-chlorotoluene	15.145	91	895177	93.21	ug/L		99
89) 1,3,5-trimethylbenzene	15.223	105	1042222	88.22	ug/L		96
90) tert-butylbenzene	15.527	91	630730	92.30	ug/L		97
91) 1,2,4-trimethylbenzene	15.629	105	1015835	89.49	ug/L		99
92) sec-butylbenzene	15.746	105	1410200	92.08	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82696.D
Acq On : 25 Nov 2013 3:47 pm
Operator : jaclynb
Sample : ic3086-100
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 26 10:02:07 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:00 2013
Response via : Initial Calibration

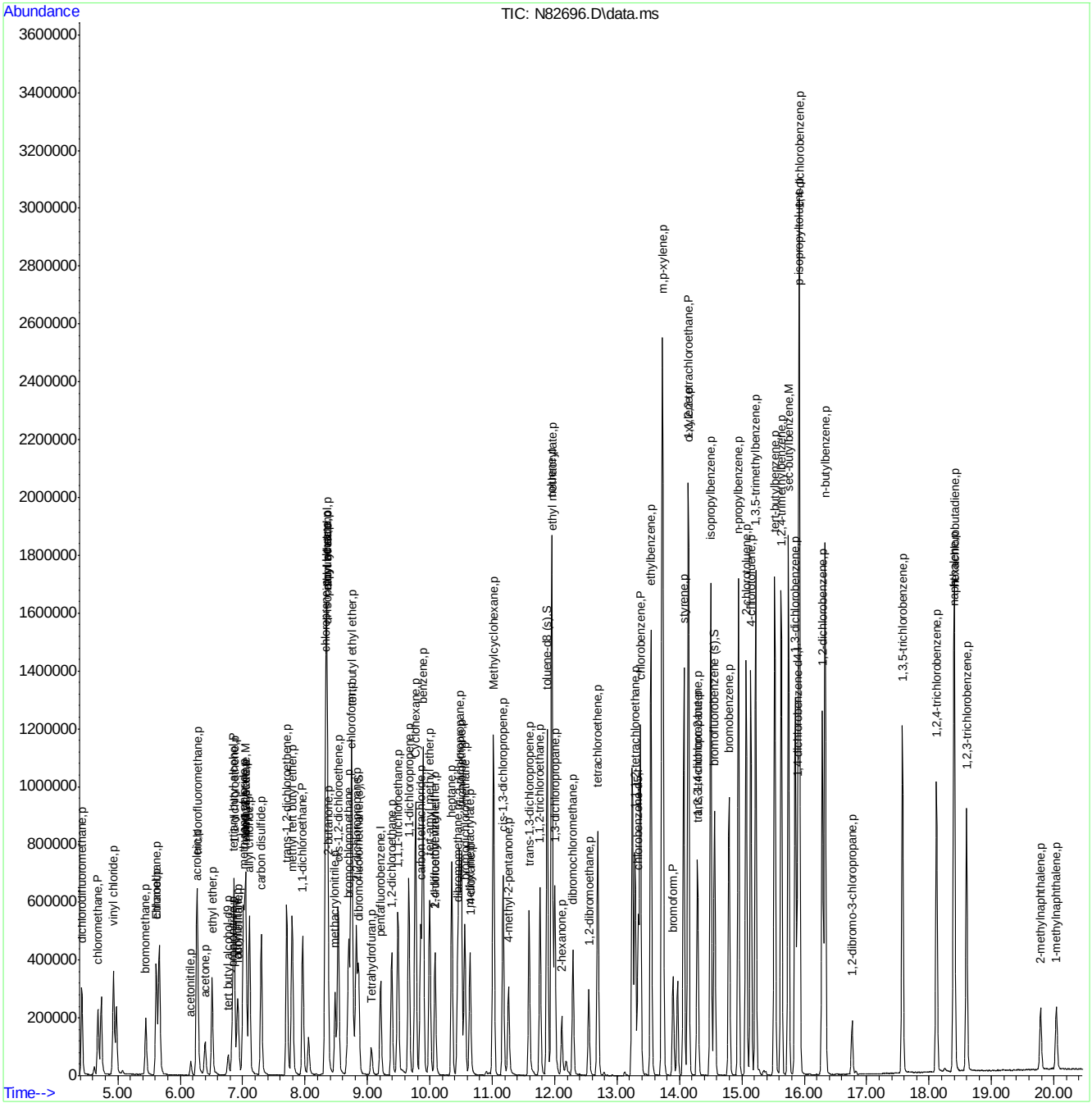
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.855	146	559242	91.09	ug/L	98
94) p-isopropyltoluene	15.916	119	1102310	94.96	ug/L	99
95) 1,4-dichlorobenzene	15.923	146	546634	91.66	ug/L	96
96) 1,2-dichlorobenzene	16.290	146	542663	90.61	ug/L	99
97) n-butylbenzene	16.333	91	1114273	99.68	ug/L	100
98) 1,2-dibromo-3-chloropr...	16.768	75	51950	95.82	ug/L	98
99) 1,2,4-trichlorobenzene	18.118	180	348256	112.75	ug/L	98
100) 1,3,5-trichlorobenzene	17.574	180	399513	96.84	ug/L	98
101) hexachlorobutadiene	18.408	225	243129	95.20	ug/L	98
102) naphthalene	18.394	128	754662	146.95	ug/L	100
103) 1,2,3-trichlorobenzene	18.602	180	325721	108.01	ug/L	100
104) 2-methylnaphthalene	19.787	142	123150	70.78	ug/L	100
105) 1-methylnaphthalene	20.041	142	132118	66.56	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82696.D
Acq On : 25 Nov 2013 3:47 pm
Operator : jaclynb
Sample : ic3086-100
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 26 10:02:07 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:00 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82697.D
Acq On : 25 Nov 2013 4:15 pm
Operator : jaclynb
Sample : ic3086-200
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 26 10:02:29 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.766	65	82125	500.00	ug/L		0.00
4) pentafluorobenzene	9.209	168	232263	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	356468	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	193054	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	177219	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.856	113	442950	234.89	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 469.78%#				
60) toluene-d8 (s)	11.878	98	1632191	216.06	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 432.12%#				
82) bromofluorobenzene (s)	14.562	95	692987	189.70	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 379.40%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.855	59	447480	2061.86	ug/L		99
3) Ethanol	5.617	45	652899	19878.69	ug/L		100
5) dichlorodifluoromethane	4.422	85	536093	155.90	ug/L		98
6) chloromethane	4.680	50	550408	167.32	ug/L		97
7) vinyl chloride	4.928	62	616013	149.49	ug/L		99
8) bromomethane	5.448	96	317451	230.23	ug/L		99
9) chloroethane	5.617	64	300161	171.08	ug/L		97
10) ethyl ether	6.508	59	439904	179.72	ug/L		91
11) acetonitrile	6.169	41	28066	16.35	ug/L		99
12) trichlorofluoromethane	6.275	101	732490	156.40	ug/L		98
13) freon-113	7.049	101	357198	135.25	ug/L		98
14) acrolein	6.261	56	527681	952.19	ug/L		100
15) 1,1-dichloroethene	6.862	96	337001	123.68	ug/L		91
16) acetone	6.395	58	48752	131.63	ug/L		86
17) Methyl Acetate	7.035	43	688277	165.01	ug/L	#	94
18) methylene chloride	7.010	84	493402	173.69	ug/L	#	83
19) methyl tert butyl ether	7.791	73	1266806	227.34	ug/L		93
20) acrylonitrile	6.915	53	199863	189.70	ug/L		100
21) allyl chloride	7.106	41	740253	178.19	ug/L		91
22) trans-1,2-dichloroethene	7.707	96	412695	156.34	ug/L		95
23) iodomethane	6.925	142	466468	249.01	ug/L		98
24) carbon disulfide	7.300	76	1280704	155.97	ug/L		99
25) propionitrile	6.833	54	6046	110.05	ug/L		100
26) vinyl acetate	7.035	43	688277	165.01	ug/L		98
27) chloroprene	8.325	53	697524	163.86	ug/L		88
28) di-isopropyl ether	8.354	45	1824740	185.04	ug/L		96
29) methacrylonitrile	8.477	41	319211	188.39	ug/L		92
30) 2-butanone	8.364	72	54866	183.93	ug/L	#	64
31) Hexane	8.343	41	705563	154.57	ug/L	#	99
32) 1,1-dichloroethane	7.965	63	906733	164.35	ug/L		99
33) tert-butyl ethyl ether	8.749	59	1391069	328.85	ug/L		94
34) isobutyl alcohol	8.354	43	1427004	836.82	ug/L		91
35) 2,2-dichloropropane	8.820	77	592300	237.39	ug/L		98
36) cis-1,2-dichloroethene	8.530	96	496239	168.69	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82697.D
Acq On : 25 Nov 2013 4:15 pm
Operator : jaclynb
Sample : ic3086-200
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 26 10:02:29 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.354	43	1427004	167.07	ug/L		96
38) bromochloromethane	8.700	128	225726	182.12	ug/L		91
39) chloroform	8.735	83	875044	173.64	ug/L		98
41) Tetrahydrofuran	9.064	42	143938	187.24	ug/L		87
42) 1,1,1-trichloroethane	9.488	97	651160	179.12	ug/L		98
44) Cyclohexane	9.768	56	779320	151.88	ug/L		90
45) carbon tetrachloride	9.852	117	534940	180.01	ug/L		96
46) 1,1-dichloropropene	9.662	75	570250	163.61	ug/L		99
47) benzene	9.888	78	1860132	165.93	ug/L		100
48) 1,2-dichloroethane	9.386	62	758420	194.27	ug/L		99
49) tert-amyl methyl ether	9.997	73	1095881	259.83	ug/L		93
50) heptane	10.351	43	540526	151.28	ug/L		87
51) trichloroethene	10.507	95	482034	166.52	ug/L		99
52) 1,2-dichloropropane	10.475	63	596207	194.36	ug/L		99
53) dibromomethane	10.446	93	327524	198.56	ug/L		95
54) bromodichloromethane	10.560	83	734863	195.93	ug/L		98
55) Methylcyclohexane	11.019	83	742034	152.47	ug/L		95
56) 2-chloroethyl vinyl ether	10.082	63	85658	13.54	ug/L	#	44
57) methyl methacrylate	10.641	69	331431	208.51	ug/L		83
58) 1,4-dioxane	10.648	88	25281	973.18	ug/L		78
59) cis-1,3-dichloropropene	11.171	75	881608	228.22	ug/L		97
61) 4-methyl-2-pentanone	11.260	43	493441	194.62	ug/L		92
62) toluene	11.952	92	1115743	176.65	ug/L		98
63) trans-1,3-dichloropropene	11.588	75	744281	231.98	ug/L		98
64) 1,1,2-trichloroethane	11.765	83	413633	195.43	ug/L		99
65) ethyl methacrylate	11.960	69	605353	208.47	ug/L		85
67) tetrachloroethene	12.691	166	465422	154.43	ug/L		95
68) 1,3-dichloropropane	11.998	76	799851	196.86	ug/L		99
69) dibromochloromethane	12.292	129	553879	209.86	ug/L		99
70) 1,2-dibromoethane	12.546	107	491593	208.56	ug/L		99
71) 2-hexanone	12.112	43	333365	195.32	ug/L		94
72) chlorobenzene	13.374	112	1314238	181.65	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.289	131	468964	193.76	ug/L		98
74) ethylbenzene	13.543	91	2221986	170.66	ug/L		98
75) m,p-xylene	13.727	106	1747670	343.82	ug/L		95
76) o-xylene	14.141	106	904247	178.69	ug/L		96
77) styrene	14.067	104	1492306	211.05	ug/L		96
78) bromoform	13.897	173	389570	224.80	ug/L		99
79) trans-1,4-dichloro-2-b...	14.286	53	155400	261.40	ug/L	#	85
81) isopropylbenzene	14.498	105	2266418	161.96	ug/L		99
83) bromobenzene	14.795	156	599272	186.74	ug/L		98
84) 1,1,2,2-tetrachloroethane	14.141	83	612594	168.91	ug/L		95
85) 1,2,3-trichloropropane	14.289	75	645940	191.89	ug/L		98
86) n-propylbenzene	14.943	91	2760278	161.93	ug/L		99
87) 2-chlorotoluene	15.067	91	1748440	169.49	ug/L		99
88) 4-chlorotoluene	15.145	91	1795305	176.15	ug/L		99
89) 1,3,5-trimethylbenzene	15.219	105	2035536	162.89	ug/L		97
90) tert-butylbenzene	15.527	91	1188251	164.16	ug/L		97
91) 1,2,4-trimethylbenzene	15.633	105	2026154	168.43	ug/L		100
92) sec-butylbenzene	15.746	105	2618398	161.47	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82697.D
Acq On : 25 Nov 2013 4:15 pm
Operator : jaclynb
Sample : ic3086-200
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 26 10:02:29 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:24 2013
Response via : Initial Calibration

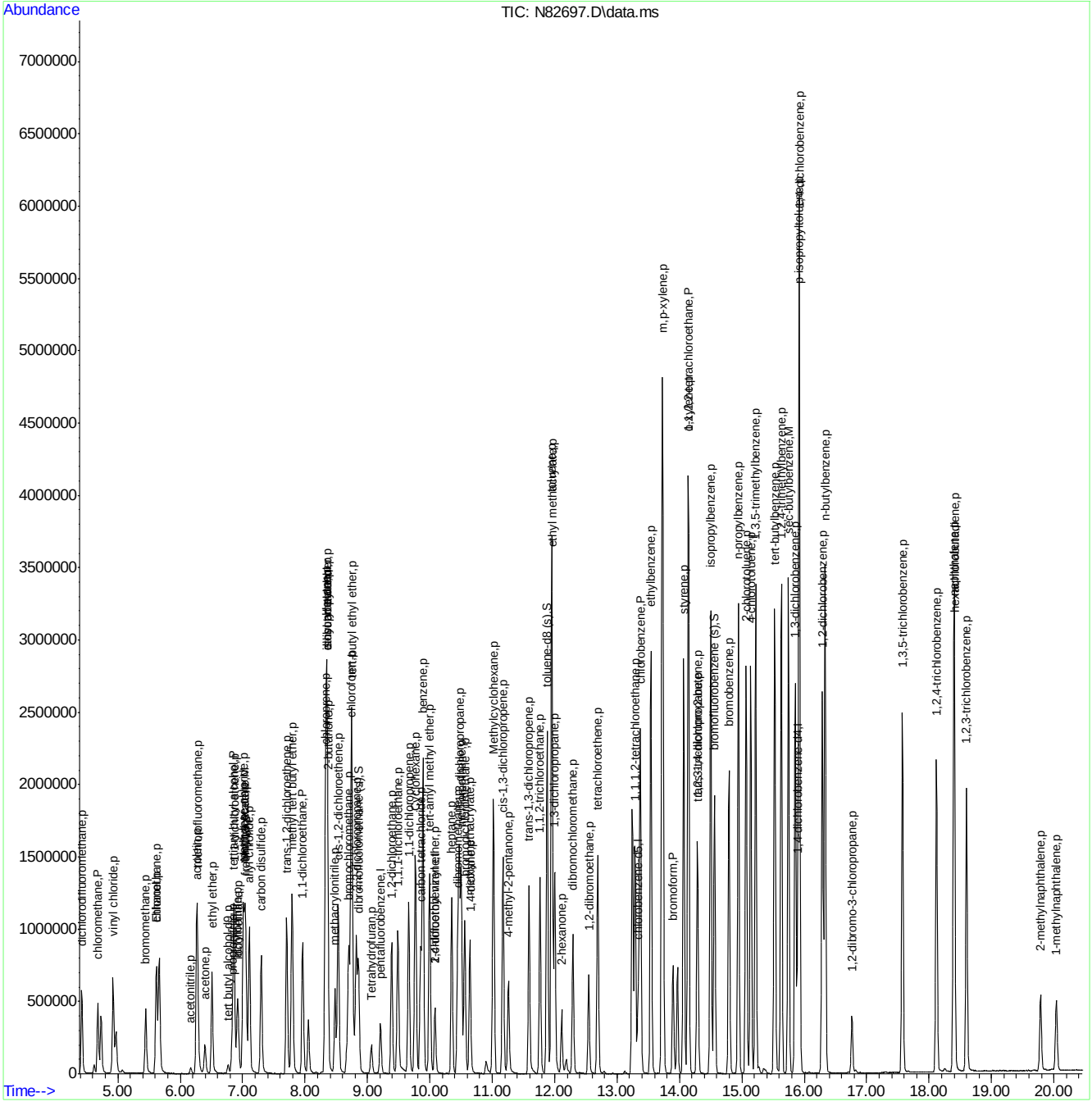
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.855	146	1169408	179.32	ug/L	97
94) p-isopropyltoluene	15.916	119	2096304	169.56	ug/L	99
95) 1,4-dichlorobenzene	15.923	146	1159142	182.84	ug/L	97
96) 1,2-dichlorobenzene	16.290	146	1158453	182.24	ug/L	99
97) n-butylbenzene	16.333	91	2091386	174.00	ug/L	100
98) 1,2-dibromo-3-chloropr...	16.764	75	109852	189.92	ug/L	96
99) 1,2,4-trichlorobenzene	18.118	180	747165	219.25	ug/L	99
100) 1,3,5-trichlorobenzene	17.574	180	835424	189.42	ug/L	99
101) hexachlorobutadiene	18.408	225	444071	163.19	ug/L	97
102) naphthalene	18.394	128	1657101	281.07	ug/L	100
103) 1,2,3-trichlorobenzene	18.599	180	701288	212.74	ug/L	96
104) 2-methylnaphthalene	19.787	142	312184	153.98	ug/L	100
105) 1-methylnaphthalene	20.041	142	300965	132.18	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82697.D
Acq On : 25 Nov 2013 4:15 pm
Operator : jaclynb
Sample : ic3086-200
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 26 10:02:29 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:24 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/26/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82698.D
Acq On : 25 Nov 2013 4:43 pm
Operator : jaclynb
Sample : ic3086-400
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 10:03:02 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:46 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.773	65	88912	500.00	ug/L		0.00
4) pentafluorobenzene	9.209	168	250929	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	390201	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	212619	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.898	152	188551	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.856	113	936468	450.91	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 901.82%#				
60) toluene-d8 (s)	11.882	98	3353774	401.98	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 803.96%#				
82) bromofluorobenzene (s)	14.562	95	1446874	374.41	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 748.82%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.858	59	922204	3907.62	ug/L		93
3) Ethanol	5.624	45	1275880	35912.29	ug/L		99
5) dichlorodifluoromethane	4.422	85	940887	259.62	ug/L		100
6) chloromethane	4.680	50	1132998	324.70	ug/L		99
7) vinyl chloride	4.914	62	1034995	239.20	ug/L		100
8) bromomethane	5.444	96	599799	394.13	ug/L		98
9) chloroethane	5.614	64	544083	291.72	ug/L		97
10) ethyl ether	6.508	59	911680	348.68	ug/L		94
11) acetonitrile	6.172	41	32997	19.82	ug/L		93
12) trichlorofluoromethane	6.275	101	1279012	259.05	ug/L		99
13) freon-113	7.049	101	813384	297.10	ug/L		98
14) acrolein	6.261	56	1083332	1823.97	ug/L		100
15) 1,1-dichloroethene	6.862	96	731911	259.64	ug/L		93
16) acetone	6.395	58	100493	266.31	ug/L		88
17) Methyl Acetate	7.035	43	1377745	314.92	ug/L	#	93
18) methylene chloride	7.010	84	1042347	345.31	ug/L	#	80
19) methyl tert butyl ether	7.791	73	2798975	457.97	ug/L		94
20) acrylonitrile	6.911	53	415642	368.32	ug/L		98
21) allyl chloride	7.106	41	1366738	310.16	ug/L		87
22) trans-1,2-dichloroethene	7.703	96	891236	320.29	ug/L		94
23) iodomethane	6.925	142	832468	395.19	ug/L		96
24) carbon disulfide	7.296	76	2788121	324.50	ug/L		100
25) propionitrile	6.830	54	9002	166.65	ug/L		100
26) vinyl acetate	7.035	43	1377745	314.92	ug/L		100
27) chloroprene	8.325	53	1521788	338.55	ug/L		87
28) di-isopropyl ether	8.354	45	3768593	357.55	ug/L		95
29) methacrylonitrile	8.481	41	686642	378.24	ug/L		88
30) 2-butanone	8.364	72	115923	364.58	ug/L	#	54
31) Hexane	8.339	41	1550910	326.86	ug/L	#	82
32) 1,1-dichloroethane	7.961	63	1940530	332.14	ug/L		99
33) tert-butyl ethyl ether	8.749	59	3254169	652.06	ug/L		95
34) isobutyl alcohol	8.350	43	3016880	1683.33	ug/L		81
35) 2,2-dichloropropane	8.820	77	1349523	485.51	ug/L		99
36) cis-1,2-dichloroethene	8.530	96	1072246	343.35	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82698.D
Acq On : 25 Nov 2013 4:43 pm
Operator : jaclynb
Sample : ic3086-400
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 10:03:02 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:46 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.350	43	3017245	334.86	ug/L		99
38) bromochloromethane	8.700	128	463202	349.83	ug/L	#	87
39) chloroform	8.735	83	1883152	351.02	ug/L		96
41) Tetrahydrofuran	9.061	42	306615	373.15	ug/L		84
42) 1,1,1-trichloroethane	9.488	97	1445201	372.30	ug/L		99
44) Cyclohexane	9.768	56	1801731	332.20	ug/L		92
45) carbon tetrachloride	9.852	117	1223531	380.89	ug/L		99
46) 1,1-dichloropropene	9.662	75	1265751	340.62	ug/L		99
47) benzene	9.888	78	4062593	337.46	ug/L		100
48) 1,2-dichloroethane	9.389	62	1594355	374.43	ug/L		98
49) tert-amyl methyl ether	9.997	73	2561923	534.91	ug/L		92
50) heptane	10.351	43	1315055	346.79	ug/L		86
51) trichloroethene	10.507	95	1053596	338.80	ug/L		99
52) 1,2-dichloropropane	10.475	63	1267657	379.05	ug/L		99
53) dibromomethane	10.446	93	709178	393.17	ug/L		96
54) bromodichloromethane	10.560	83	1607080	392.44	ug/L		98
55) Methylcyclohexane	11.019	83	1750907	338.72	ug/L		93
56) 2-chloroethyl vinyl ether	10.082	63	92941	15.89	ug/L	#	45
57) methyl methacrylate	10.644	69	726840	414.80	ug/L	#	79
58) 1,4-dioxane	10.648	88	55050	1946.36	ug/L		89
59) cis-1,3-dichloropropene	11.171	75	1891482	440.41	ug/L		98
61) 4-methyl-2-pentanone	11.260	43	1056657	382.45	ug/L		92
62) toluene	11.952	92	2431905	356.95	ug/L		100
63) trans-1,3-dichloropropene	11.588	75	1631828	456.53	ug/L		100
64) 1,1,2-trichloroethane	11.765	83	882965	382.21	ug/L		98
65) ethyl methacrylate	11.956	69	1333239	416.50	ug/L		84
67) tetrachloroethene	12.691	166	1062360	328.37	ug/L		95
68) 1,3-dichloropropane	12.002	76	1719756	385.08	ug/L		99
69) dibromochloromethane	12.292	129	1211773	414.61	ug/L		99
70) 1,2-dibromoethane	12.546	107	1058302	405.20	ug/L		98
71) 2-hexanone	12.112	43	723819	386.57	ug/L		95
72) chlorobenzene	13.374	112	2856214	362.61	ug/L		98
73) 1,1,1,2-tetrachloroethane	13.289	131	1023158	385.17	ug/L		98
74) ethylbenzene	13.543	91	4911870	348.94	ug/L		97
75) m,p-xylene	13.731	106	3861852	700.78	ug/L		94
76) o-xylene	14.141	106	1982221	359.93	ug/L		95
77) styrene	14.070	104	3258284	415.13	ug/L		96
78) bromoform	13.900	173	870034	448.89	ug/L		100
79) trans-1,4-dichloro-2-b...	14.286	53	351422	510.61	ug/L		88
81) isopropylbenzene	14.501	105	5018159	346.46	ug/L		99
83) bromobenzene	14.795	156	1279851	378.44	ug/L		97
84) 1,1,2,2-tetrachloroethane	14.144	83	1314056	346.54	ug/L		96
85) 1,2,3-trichloropropane	14.289	75	1426482	401.02	ug/L		99
86) n-propylbenzene	14.947	91	6098849	347.30	ug/L		99
87) 2-chlorotoluene	15.071	91	3779159	353.32	ug/L		97
88) 4-chlorotoluene	15.145	91	3895021	366.48	ug/L		99
89) 1,3,5-trimethylbenzene	15.223	105	4407268	339.36	ug/L		98
90) tert-butylbenzene	15.527	91	2631679	352.24	ug/L		96
91) 1,2,4-trimethylbenzene	15.633	105	4396883	350.45	ug/L		100
92) sec-butylbenzene	15.749	105	5807706	347.79	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82698.D
Acq On : 25 Nov 2013 4:43 pm
Operator : jaclynb
Sample : ic3086-400
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 10:03:02 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:46 2013
Response via : Initial Calibration

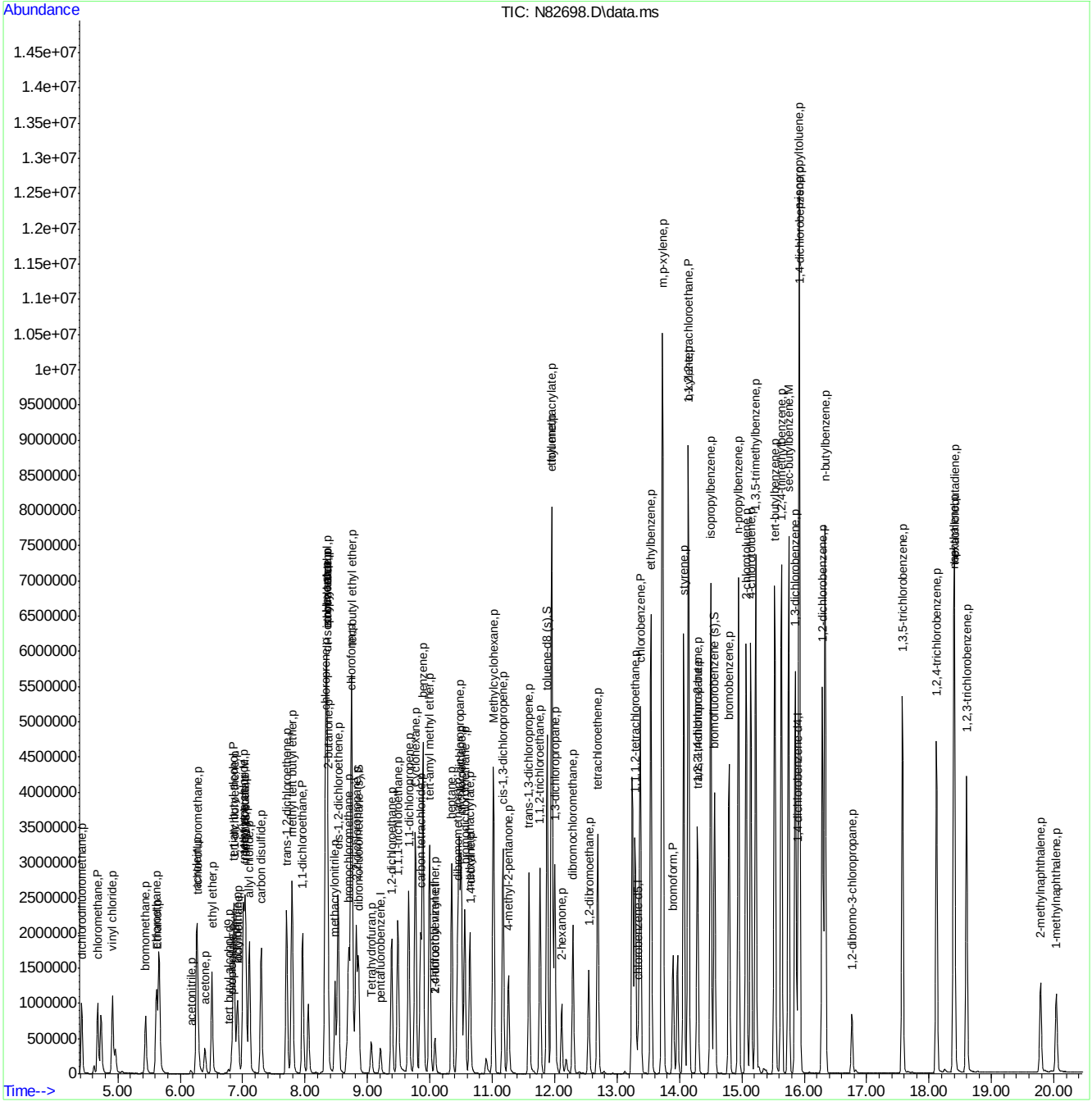
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.855	146	2535988	370.29	ug/L	99
94) p-isopropyltoluene	15.916	119	4545281	354.54	ug/L	99
95) 1,4-dichlorobenzene	15.923	146	2429536	364.10	ug/L	97
96) 1,2-dichlorobenzene	16.290	146	2445595	365.67	ug/L	99
97) n-butylbenzene	16.333	91	4648829	371.59	ug/L	100
98) 1,2-dibromo-3-chloropr...	16.764	75	235945	386.66	ug/L	99
99) 1,2,4-trichlorobenzene	18.118	180	1637650	444.55	ug/L	100
100) 1,3,5-trichlorobenzene	17.574	180	1822370	391.81	ug/L	99
101) hexachlorobutadiene	18.408	225	1064358	379.27	ug/L	98
102) naphthalene	18.394	128	3643111	552.77	ug/L	100
103) 1,2,3-trichlorobenzene	18.602	180	1565855	441.78	ug/L	98
104) 2-methylnaphthalene	19.787	142	769983	327.50	ug/L	100
105) 1-methylnaphthalene	20.038	142	685759m	268.66	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82698.D
Acq On : 25 Nov 2013 4:43 pm
Operator : jaclynb
Sample : ic3086-400
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 10:03:02 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:46 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/26/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82701.D
Acq On : 25 Nov 2013 6:06 pm
Operator : jaclynb
Sample : icv3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 26 10:19:40 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.766	65	70595	500.00	ug/L		0.00
4) pentafluorobenzene	9.213	168	201673	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	306813	50.00	ug/L		0.00
66) chlorobenzene-d5	13.342	82	172427	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	146557	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	99416	50.44	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.88%				
60) toluene-d8 (s)	11.882	98	385316	52.00	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.00%				
82) bromofluorobenzene (s)	14.561	95	150108	48.47	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.94%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.854	59	107542	575.58	ug/L		90
3) Ethanol	5.617	45	151086	5425.35	ug/L		99
5) dichlorodifluoromethane	4.422	85	108823	38.72	ug/L		100
6) chloromethane	4.684	50	116278	42.26	ug/L		97
7) vinyl chloride	4.935	62	137997	40.79	ug/L		100
8) bromomethane	5.447	96	60804	49.80	ug/L		92
9) chloroethane	5.617	64	79923	54.80	ug/L		94
10) ethyl ether	6.512	59	93378	45.01	ug/L		93
12) trichlorofluoromethane	6.275	101	176229	46.03	ug/L		98
13) freon-113	7.052	101	104221	48.76	ug/L		96
14) acrolein	6.268	56	19660	41.71	ug/L		94
15) 1,1-dichloroethene	6.865	96	92310	55.77	ug/L		94
16) acetone	6.402	58	10341	37.12	ug/L	#	83
17) Methyl Acetate	7.042	43	125871	36.92	ug/L		95
18) methylene chloride	7.010	84	109098	45.66	ug/L	#	77
19) methyl tert butyl ether	7.798	73	212245	42.59	ug/L		94
20) acrylonitrile	6.911	53	83287	92.88	ug/L		99
21) allyl chloride	7.106	41	167894	48.98	ug/L		92
22) trans-1,2-dichloroethene	7.707	96	102316	46.68	ug/L		95
23) iodomethane	6.925	142	83787	40.94	ug/L		98
24) carbon disulfide	7.296	76	315354	46.77	ug/L		99
25) propionitrile	6.840	54	2441	65.14	ug/L		100
26) vinyl acetate	7.042	43	125871	36.92	ug/L		92
27) chloroprene	8.325	53	189646	53.41	ug/L		86
28) di-isopropyl ether	8.353	45	390773	46.75	ug/L		96
29) methacrylonitrile	8.484	41	66057	45.58	ug/L		91
30) 2-butanone	8.371	72	11688	46.32	ug/L	#	24
31) Hexane	8.343	41	171516	46.18	ug/L		97
32) 1,1-dichloroethane	7.961	63	213854	46.33	ug/L		98
33) tert-butyl ethyl ether	8.753	59	215145	41.92	ug/L		94
34) isobutyl alcohol	8.350	43	325985	231.55	ug/L		70
35) 2,2-dichloropropane	8.820	77	120691	47.20	ug/L		99
36) cis-1,2-dichloroethene	8.534	96	111066	44.89	ug/L		93
37) ethyl acetate	8.350	43	319983	45.10	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82701.D
Acq On : 25 Nov 2013 6:06 pm
Operator : jaclynb
Sample : icv3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 26 10:19:40 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.700	128	52225	49.77	ug/L	#	83
39) chloroform	8.735	83	197012	46.26	ug/L		95
41) Tetrahydrofuran	9.064	42	28831	44.08	ug/L		99
42) 1,1,1-trichloroethane	9.488	97	161106	52.00	ug/L		96
44) Cyclohexane	9.768	56	197411	47.29	ug/L		89
45) carbon tetrachloride	9.856	117	134374	53.48	ug/L		100
46) 1,1-dichloropropene	9.665	75	148077	51.64	ug/L		97
47) benzene	9.891	78	428885	46.03	ug/L		100
48) 1,2-dichloroethane	9.389	62	156307	47.02	ug/L		97
49) tert-amyl methyl ether	9.997	73	174300	44.61	ug/L		93
50) heptane	10.351	43	125828	42.83	ug/L		87
51) trichloroethene	10.506	95	114156	47.41	ug/L		96
52) 1,2-dichloropropane	10.471	63	126655	48.48	ug/L		100
53) dibromomethane	10.450	93	68134	48.14	ug/L		99
54) bromodichloromethane	10.559	83	154870	48.20	ug/L		99
55) Methylcyclohexane	11.019	83	199115	49.84	ug/L		95
57) methyl methacrylate	10.648	69	65714	47.44	ug/L		83
58) 1,4-dioxane	10.658	88	5575	251.81	ug/L	#	67
59) cis-1,3-dichloropropene	11.175	75	163832	48.03	ug/L		98
61) 4-methyl-2-pentanone	11.263	43	103710	48.04	ug/L		93
62) toluene	11.952	92	260775	49.27	ug/L		96
63) trans-1,3-dichloropropene	11.588	75	145810	51.16	ug/L		98
64) 1,1,2-trichloroethane	11.762	83	87591	48.46	ug/L		98
65) ethyl methacrylate	11.956	69	123305	48.70	ug/L		90
67) tetrachloroethene	12.691	166	114818	44.56	ug/L		95
68) 1,3-dichloropropane	11.998	76	164815	45.70	ug/L		99
69) dibromochloromethane	12.292	129	112083	47.12	ug/L		99
70) 1,2-dibromoethane	12.546	107	95586	45.06	ug/L		99
71) 2-hexanone	12.115	43	69940	46.28	ug/L		94
72) chlorobenzene	13.374	112	276984	43.82	ug/L		96
73) 1,1,1,2-tetrachloroethane	13.292	131	101307	47.20	ug/L		98
74) ethylbenzene	13.543	91	528918	47.00	ug/L		98
75) m,p-xylene	13.727	106	399228	90.45	ug/L		96
76) o-xylene	14.141	106	196722	44.49	ug/L		96
77) styrene	14.070	104	316255	49.45	ug/L		96
78) bromoform	13.897	173	74606	46.83	ug/L		99
79) trans-1,4-dichloro-2-b...	14.286	53	26258	45.26	ug/L	#	55
81) isopropylbenzene	14.498	105	526895	47.60	ug/L		99
83) bromobenzene	14.795	156	123939	47.47	ug/L		97
84) 1,1,2,2-tetrachloroethane	14.144	83	134313	46.19	ug/L		95
85) 1,2,3-trichloropropane	14.289	75	131942	47.70	ug/L		100
86) n-propylbenzene	14.943	91	623169	46.53	ug/L		99
87) 2-chlorotoluene	15.071	91	376522	46.06	ug/L		97
88) 4-chlorotoluene	15.145	91	393535	48.21	ug/L		99
89) 1,3,5-trimethylbenzene	15.223	105	461061	46.46	ug/L		99
90) tert-butylbenzene	15.527	91	277953	48.69	ug/L		97
91) 1,2,4-trimethylbenzene	15.633	105	442293	45.99	ug/L		99
92) sec-butylbenzene	15.749	105	628860	49.37	ug/L		99
93) 1,3-dichlorobenzene	15.859	146	246075	46.61	ug/L		94
94) p-isopropyltoluene	15.915	119	504069	51.42	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82701.D
Acq On : 25 Nov 2013 6:06 pm
Operator : jaclynb
Sample : icv3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 26 10:19:40 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	1,4-dichlorobenzene	15.923	146	249045	48.50	ug/L	96
96)	1,2-dichlorobenzene	16.290	146	235409	45.72	ug/L	99
97)	n-butylbenzene	16.333	91	499317	51.87	ug/L	99
98)	1,2-dibromo-3-chloropr...	16.764	75	21805	46.19	ug/L	94
99)	1,2,4-trichlorobenzene	18.118	180	149858	51.52	ug/L	98
100)	1,3,5-trichlorobenzene	17.574	180	179376	49.76	ug/L	99
101)	hexachlorobutadiene	18.408	225	115042	53.13	ug/L	95
102)	naphthalene	18.394	128	312066m	52.80	ug/L	
103)	1,2,3-trichlorobenzene	18.599	180	139934	50.05	ug/L	96
104)	2-methylnaphthalene	19.790	142	43991	23.75	ug/L	99
105)	1-methylnaphthalene	20.038	142	50656	23.21	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.22

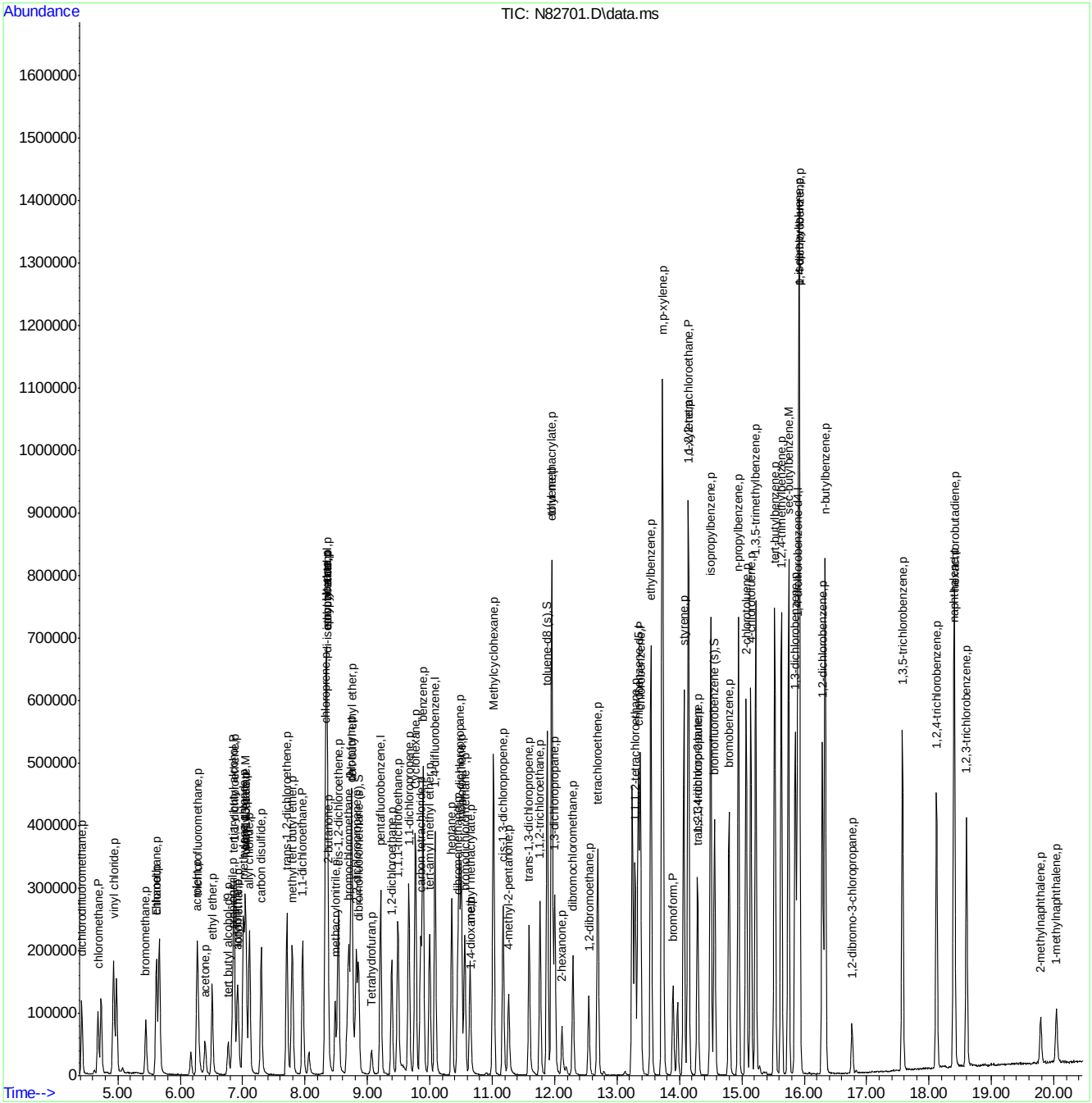
7

ACCUTEST LABORATORIES MC27146

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82701.D
Acq On : 25 Nov 2013 6:06 pm
Operator : jaclynb
Sample : icv3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 26 10:19:40 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131216\
Data File : N83319.D
Acq On : 16 Dec 2013 9:06 pm
Operator : jaclynb
Sample : cc3086-50
Misc : ms30790,MSN3110,,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 17 08:35:13 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.773	65	87304	500.00	ug/L	#	0.00
4) pentafluorobenzene	9.209	168	240676	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.086	114	362592	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	190257	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.891	152	163456	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	107451	45.68	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.36%				
60) toluene-d8 (s)	11.878	98	433375	49.49	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.98%				
82) bromofluorobenzene (s)	14.561	95	164226	47.54	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.08%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.855	59	120519	521.58	ug/L		87
3) Ethanol	5.617	45	192414	5587.01	ug/L		100
5) dichlorodifluoromethane	4.426	85	162394	48.42	ug/L		96
6) chloromethane	4.684	50	156331	47.61	ug/L		98
7) vinyl chloride	4.935	62	188281	46.63	ug/L		98
8) bromomethane	5.447	96	79016	54.23	ug/L		95
9) chloroethane	5.617	64	85079	48.88	ug/L		97
10) ethyl ether	6.512	59	117905	47.63	ug/L		95
12) trichlorofluoromethane	6.275	101	205543	44.99	ug/L		96
13) freon-113	7.049	101	122596	48.06	ug/L		94
14) acrolein	6.261	56	138112	245.53	ug/L		99
15) 1,1-dichloroethene	6.862	96	106973	53.93	ug/L		90
16) acetone	6.398	58	15124	49.02	ug/L	#	81
17) Methyl Acetate	7.038	43	196806	48.37	ug/L		97
18) methylene chloride	7.014	84	131771	46.22	ug/L		86
19) methyl tert butyl ether	7.795	73	266877	44.88	ug/L		98
20) acrylonitrile	6.918	53	51940	48.54	ug/L		98
21) allyl chloride	7.109	41	215656	52.72	ug/L		93
22) trans-1,2-dichloroethene	7.707	96	118785	45.41	ug/L		93
23) iodomethane	6.925	142	115107	46.45	ug/L		94
24) carbon disulfide	7.296	76	377164	46.87	ug/L		100
25) propionitrile	6.837	54	2723	59.52	ug/L		100
26) vinyl acetate	7.038	43	196806	48.37	ug/L		93
27) chloroprene	8.329	53	213436	50.36	ug/L		90
28) di-isopropyl ether	8.353	45	496804	49.80	ug/L		95
29) methacrylonitrile	8.484	41	81045	46.86	ug/L		89
30) 2-butanone	8.375	72	15197	50.47	ug/L	#	1
31) Hexane	8.343	41	217417	49.05	ug/L	#	93
32) 1,1-dichloroethane	7.961	63	253379	46.00	ug/L		97
33) tert-butyl ethyl ether	8.749	59	266160	43.12	ug/L		96
34) isobutyl alcohol	8.353	43	411227	244.76	ug/L		85
35) 2,2-dichloropropane	8.820	77	154376	50.39	ug/L		99
36) cis-1,2-dichloroethene	8.530	96	131967	44.69	ug/L		99
37) ethyl acetate	8.353	43	411227	48.57	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131216\
Data File : N83319.D
Acq On : 16 Dec 2013 9:06 pm
Operator : jaclynb
Sample : cc3086-50
Misc : ms30790,MSN3110,,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 17 08:35:13 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.700	128	60171	48.05	ug/L		95
39) chloroform	8.735	83	229875	45.23	ug/L		100
41) Tetrahydrofuran	9.064	42	37402	47.92	ug/L		98
42) 1,1,1-trichloroethane	9.488	97	191955	51.92	ug/L		98
44) Cyclohexane	9.768	56	265883	53.90	ug/L		95
45) carbon tetrachloride	9.852	117	160037	53.90	ug/L		97
46) 1,1-dichloropropene	9.662	75	174995	51.64	ug/L		97
47) benzene	9.888	78	516295	46.88	ug/L		98
48) 1,2-dichloroethane	9.389	62	181532	46.21	ug/L		93
49) tert-amyl methyl ether	9.997	73	207093	44.85	ug/L		93
50) heptane	10.351	43	173613	50.01	ug/L		90
51) trichloroethene	10.506	95	139720	49.10	ug/L		99
52) 1,2-dichloropropane	10.471	63	155289	50.30	ug/L		99
53) dibromomethane	10.446	93	79790	47.71	ug/L		96
54) bromodichloromethane	10.560	83	179818	47.35	ug/L		96
55) Methylcyclohexane	11.016	83	240646	50.97	ug/L		95
57) methyl methacrylate	10.644	69	81162	49.58	ug/L		81
58) 1,4-dioxane	10.644	88	5920	226.26	ug/L		90
59) cis-1,3-dichloropropene	11.175	75	207609	51.50	ug/L		98
61) 4-methyl-2-pentanone	11.259	43	127822	50.10	ug/L		93
62) toluene	11.952	92	306825	49.05	ug/L		98
63) trans-1,3-dichloropropene	11.592	75	166051	49.30	ug/L		97
64) 1,1,2-trichloroethane	11.765	83	103676	48.54	ug/L		99
65) ethyl methacrylate	11.956	69	149580	49.99	ug/L		85
67) tetrachloroethene	12.691	166	137086	48.22	ug/L		94
68) 1,3-dichloropropane	11.998	76	198973	50.00	ug/L		98
69) dibromochloromethane	12.292	129	129644	49.39	ug/L		98
70) 1,2-dibromoethane	12.546	107	117111	50.03	ug/L		95
71) 2-hexanone	12.115	43	88785	53.25	ug/L		93
72) chlorobenzene	13.374	112	344313	49.36	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.285	131	116359	49.13	ug/L		99
74) ethylbenzene	13.540	91	614424	49.48	ug/L		98
75) m,p-xylene	13.727	106	479012	98.36	ug/L		95
76) o-xylene	14.141	106	237785	48.74	ug/L		99
77) styrene	14.067	104	367892	52.13	ug/L		95
78) bromoform	13.897	173	91263	51.92	ug/L		98
79) trans-1,4-dichloro-2-b...	14.286	53	32989	51.53	ug/L	#	71
81) isopropylbenzene	14.498	105	636102	51.52	ug/L		98
83) bromobenzene	14.795	156	144777	49.72	ug/L		97
84) 1,1,2,2-tetrachloroethane	14.141	83	156417	48.23	ug/L		98
85) 1,2,3-trichloropropane	14.289	75	156382	50.69	ug/L		99
86) n-propylbenzene	14.943	91	773728	51.80	ug/L		100
87) 2-chlorotoluene	15.067	91	462004	50.67	ug/L		98
88) 4-chlorotoluene	15.141	91	466903	51.29	ug/L		98
89) 1,3,5-trimethylbenzene	15.219	105	548694	49.57	ug/L		100
90) tert-butylbenzene	15.523	91	333394	52.37	ug/L		99
91) 1,2,4-trimethylbenzene	15.629	105	535719	49.94	ug/L		99
92) sec-butylbenzene	15.746	105	751306	52.89	ug/L		99
93) 1,3-dichlorobenzene	15.855	146	296808	50.41	ug/L		96
94) p-isopropyltoluene	15.916	119	587116	53.70	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131216\
Data File : N83319.D
Acq On : 16 Dec 2013 9:06 pm
Operator : jaclynb
Sample : cc3086-50
Misc : ms30790,MSN3110,,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 17 08:35:13 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

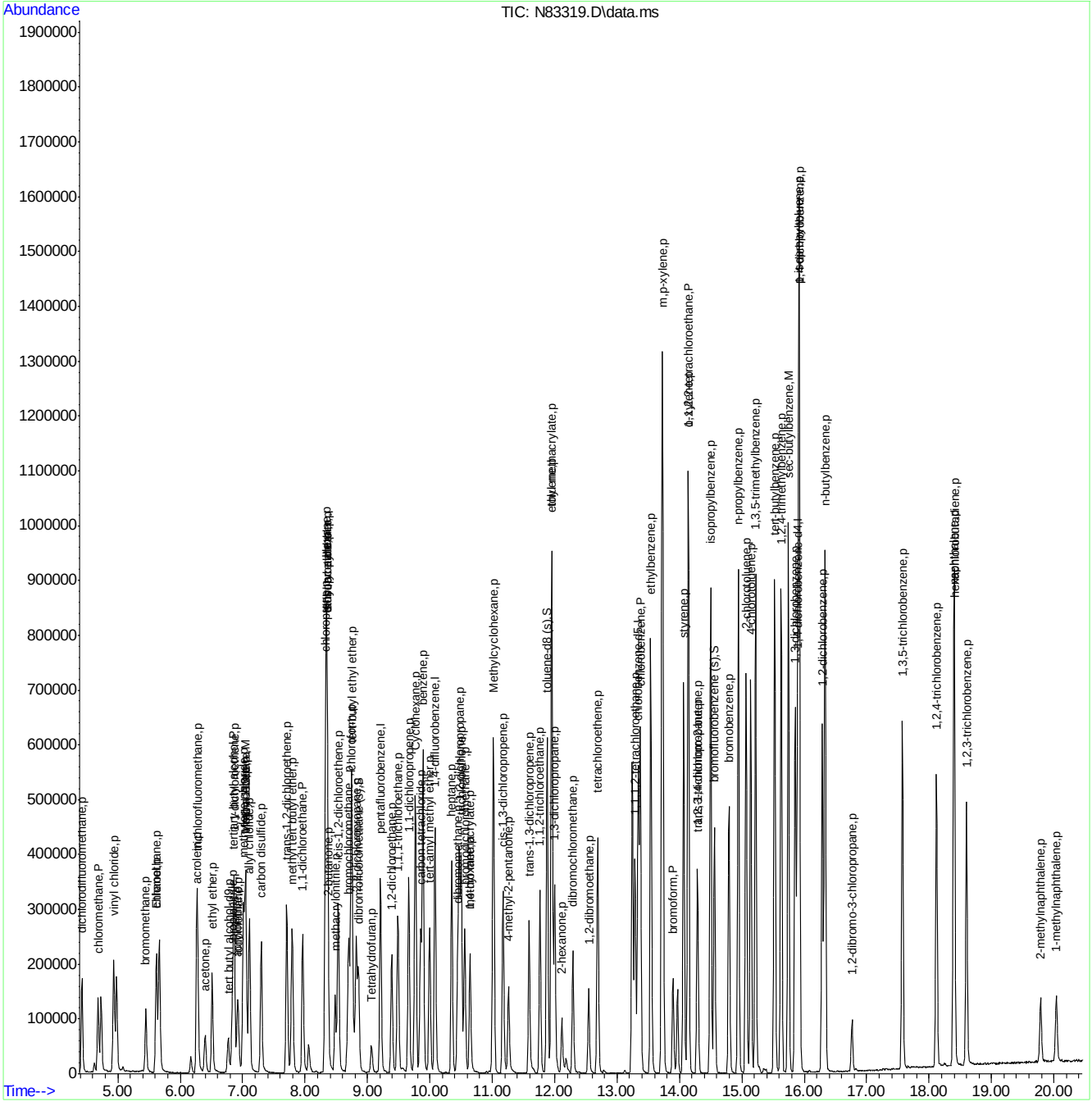
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	1,4-dichlorobenzene	15.919	146	284955	49.76	ug/L	98
96)	1,2-dichlorobenzene	16.290	146	283411	49.35	ug/L	97
97)	n-butylbenzene	16.333	91	589336	54.90	ug/L	99
98)	1,2-dibromo-3-chloropr...	16.767	75	27073	51.42	ug/L	98
99)	1,2,4-trichlorobenzene	18.118	180	188485	58.10	ug/L	98
100)	1,3,5-trichlorobenzene	17.574	180	220085	54.74	ug/L	100
101)	hexachlorobutadiene	18.408	225	132948	55.06	ug/L	98
102)	naphthalene	18.394	128	397115	60.24	ug/L	100
103)	1,2,3-trichlorobenzene	18.602	180	176840	56.71	ug/L	97
104)	2-methylnaphthalene	19.790	142	69448	29.71	ug/L	100
105)	1-methylnaphthalene	20.041	142	73411	28.84	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131216\
Data File : N83319.D
Acq On : 16 Dec 2013 9:06 pm
Operator : jaclynb
Sample : cc3086-50
Misc : ms30790,MSN3110,,,,5,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 17 08:35:13 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83330.D
Acq On : 17 Dec 2013 9:09 am
Operator : jaclynb
Sample : cc3086-50
Misc : ms30770,MSN3110,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 17 09:38:43 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.766	65	84581	500.00	ug/L		0.00
4) pentafluorobenzene	9.209	168	231064	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.086	114	345095	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	187653	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.891	152	160110	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.855	113	101082	44.76	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.52%				
60) toluene-d8 (s)	11.878	98	422419	50.69	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.38%				
82) bromofluorobenzene (s)	14.558	95	160060	47.30	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.60%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.858	59	112341	501.84	ug/L		88
3) Ethanol	5.614	45	181275	5433.03	ug/L		100
5) dichlorodifluoromethane	4.422	85	141151	43.83	ug/L		95
6) chloromethane	4.684	50	125727	39.88	ug/L		98
7) vinyl chloride	4.938	62	167442	43.20	ug/L		99
8) bromomethane	5.451	96	74603	53.33	ug/L		95
9) chloroethane	5.617	64	76635	45.86	ug/L		99
10) ethyl ether	6.508	59	109891	46.24	ug/L		99
12) trichlorofluoromethane	6.275	101	181620	41.41	ug/L		100
13) freon-113	7.052	101	117639	48.04	ug/L		94
14) acrolein	6.264	56	107236	198.57	ug/L		99
15) 1,1-dichloroethene	6.865	96	99503	52.01	ug/L		93
16) acetone	6.402	58	11357	34.93	ug/L	#	65
17) Methyl Acetate	7.038	43	182076	46.61	ug/L		94
18) methylene chloride	7.014	84	123206	45.01	ug/L	#	80
19) methyl tert butyl ether	7.791	73	248717	43.56	ug/L		97
20) acrylonitrile	6.915	53	49915	48.58	ug/L		95
21) allyl chloride	7.109	41	202686	51.61	ug/L		89
22) trans-1,2-dichloroethene	7.706	96	110948	44.18	ug/L		90
23) iodomethane	6.925	142	96653	41.19	ug/L		95
24) carbon disulfide	7.300	76	348488	45.11	ug/L		99
25) propionitrile	6.837	54	2421	53.67	ug/L		100
26) vinyl acetate	7.038	43	182076	46.61	ug/L		93
27) chloroprene	8.329	53	200029	49.16	ug/L		91
28) di-isopropyl ether	8.353	45	474784	49.58	ug/L		94
29) methacrylonitrile	8.481	41	79176	47.69	ug/L		90
30) 2-butanone	8.375	72	12300	42.55	ug/L	#	1
31) Hexane	8.343	41	211715	49.76	ug/L	#	92
32) 1,1-dichloroethane	7.961	63	239720	45.33	ug/L		97
33) tert-butyl ethyl ether	8.749	59	253201	42.81	ug/L		94
34) isobutyl alcohol	8.350	43	394168	244.37	ug/L		75
35) 2,2-dichloropropane	8.820	77	154824	52.52	ug/L		99
36) cis-1,2-dichloroethene	8.530	96	121727	42.94	ug/L		96
37) ethyl acetate	8.350	43	394168	48.49	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83330.D
Acq On : 17 Dec 2013 9:09 am
Operator : jaclynb
Sample : cc3086-50
Misc : ms30770,MSN3110,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 17 09:38:43 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.696	128	58286	48.48	ug/L		91
39) chloroform	8.735	83	216998	44.47	ug/L		97
41) Tetrahydrofuran	9.064	42	35136	46.89	ug/L		92
42) 1,1,1-trichloroethane	9.488	97	178879	50.39	ug/L		99
44) Cyclohexane	9.768	56	251013	53.46	ug/L		93
45) carbon tetrachloride	9.852	117	149420	52.88	ug/L		96
46) 1,1-dichloropropene	9.661	75	162173	50.28	ug/L		95
47) benzene	9.891	78	492516	46.99	ug/L		97
48) 1,2-dichloroethane	9.389	62	168809	45.15	ug/L		99
49) tert-amyl methyl ether	9.997	73	195276	44.44	ug/L		94
50) heptane	10.351	43	176974	53.56	ug/L		89
51) trichloroethene	10.506	95	128674	47.51	ug/L		99
52) 1,2-dichloropropane	10.471	63	150546	51.24	ug/L		99
53) dibromomethane	10.446	93	75674	47.54	ug/L		96
54) bromodichloromethane	10.559	83	172945	47.85	ug/L		97
55) Methylcyclohexane	11.015	83	231223	51.45	ug/L		96
57) methyl methacrylate	10.648	69	74463	47.80	ug/L	#	81
58) 1,4-dioxane	10.644	88	5867	235.60	ug/L		88
59) cis-1,3-dichloropropene	11.171	75	199745	52.06	ug/L		99
61) 4-methyl-2-pentanone	11.263	43	121565	50.06	ug/L		93
62) toluene	11.952	92	293359	49.28	ug/L		97
63) trans-1,3-dichloropropene	11.588	75	163716	51.07	ug/L		99
64) 1,1,2-trichloroethane	11.765	83	98744	48.57	ug/L		98
65) ethyl methacrylate	11.956	69	141794	49.79	ug/L		92
67) tetrachloroethene	12.691	166	133169	47.49	ug/L		93
68) 1,3-dichloropropane	12.002	76	186330	47.47	ug/L		100
69) dibromochloromethane	12.292	129	123701	47.78	ug/L		98
70) 1,2-dibromoethane	12.546	107	111416	48.26	ug/L		98
71) 2-hexanone	12.115	43	78659	47.83	ug/L		94
72) chlorobenzene	13.374	112	325771	47.35	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.289	131	115148	49.30	ug/L		99
74) ethylbenzene	13.543	91	582511	47.56	ug/L		99
75) m,p-xylene	13.727	106	456942	95.13	ug/L		97
76) o-xylene	14.141	106	228678	47.52	ug/L		95
77) styrene	14.066	104	353267	50.76	ug/L		97
78) bromoform	13.897	173	87537	50.49	ug/L		95
79) trans-1,4-dichloro-2-b...	14.286	53	31540	49.95	ug/L	#	49
81) isopropylbenzene	14.498	105	617613	51.07	ug/L		99
83) bromobenzene	14.795	156	142095	49.82	ug/L		99
84) 1,1,2,2-tetrachloroethane	14.141	83	149957	47.20	ug/L		95
85) 1,2,3-trichloropropane	14.289	75	152887	50.60	ug/L		100
86) n-propylbenzene	14.943	91	747687	51.10	ug/L		100
87) 2-chlorotoluene	15.067	91	442595	49.56	ug/L		100
88) 4-chlorotoluene	15.141	91	440961	49.45	ug/L		100
89) 1,3,5-trimethylbenzene	15.219	105	526408	48.55	ug/L		98
90) tert-butylbenzene	15.527	91	317850	50.97	ug/L		96
91) 1,2,4-trimethylbenzene	15.629	105	513177	48.84	ug/L		100
92) sec-butylbenzene	15.746	105	729108	52.40	ug/L		100
93) 1,3-dichlorobenzene	15.855	146	284755	49.37	ug/L		98
94) p-isopropyltoluene	15.919	119	558130	52.12	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83330.D
Acq On : 17 Dec 2013 9:09 am
Operator : jaclynb
Sample : cc3086-50
Misc : ms30770,MSN3110,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 17 09:38:43 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

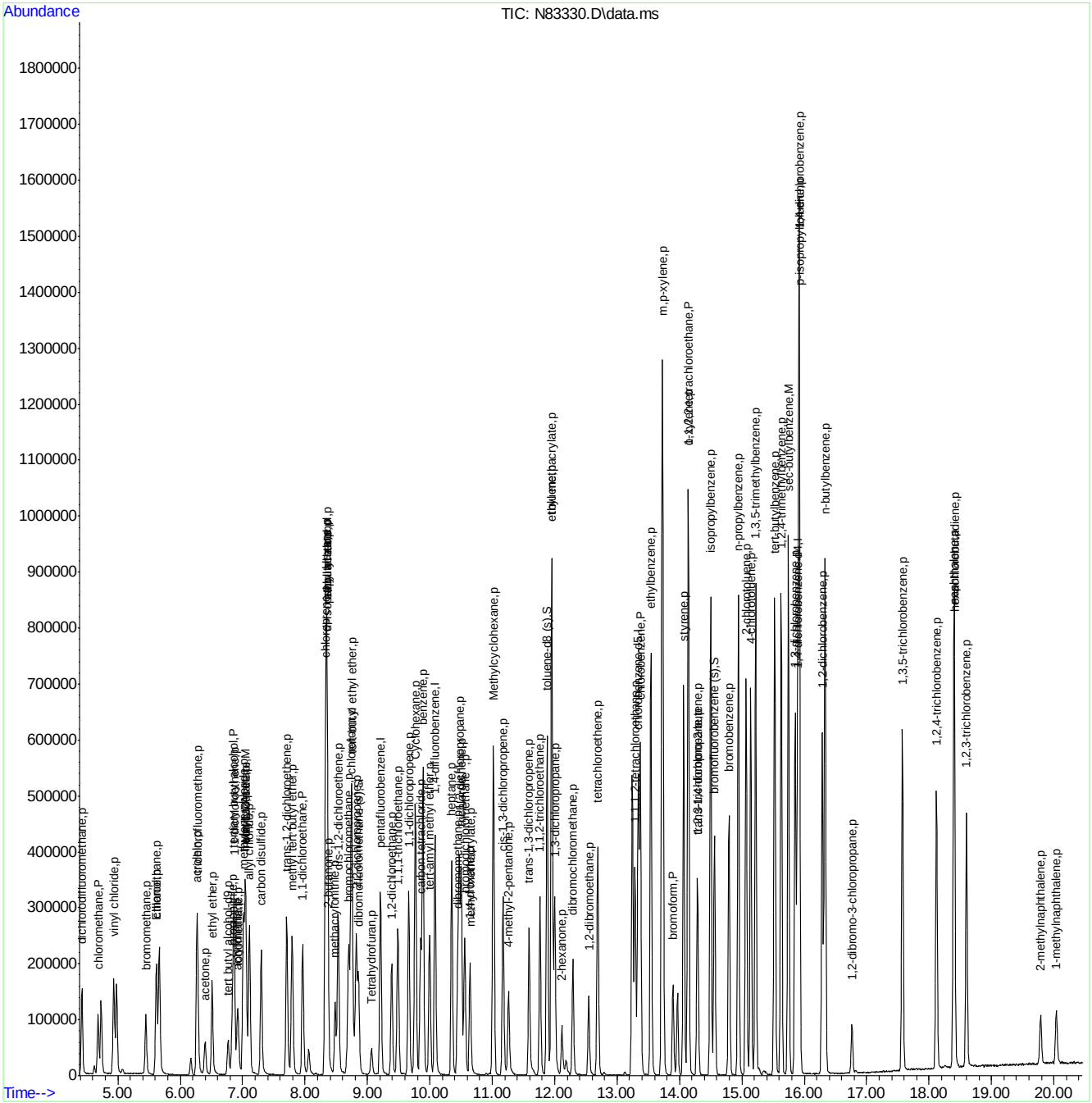
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	1,4-dichlorobenzene	15.922	146	278489	49.64	ug/L	98
96)	1,2-dichlorobenzene	16.290	146	277365	49.31	ug/L	97
97)	n-butylbenzene	16.333	91	565805	53.80	ug/L	99
98)	1,2-dibromo-3-chloropr...	16.764	75	25875	50.17	ug/L	98
99)	1,2,4-trichlorobenzene	18.118	180	175857	55.34	ug/L	97
100)	1,3,5-trichlorobenzene	17.573	180	210329	53.41	ug/L	99
101)	hexachlorobutadiene	18.408	225	125562	53.08	ug/L	93
102)	naphthalene	18.394	128	372748	57.73	ug/L	100
103)	1,2,3-trichlorobenzene	18.599	180	165885	54.30	ug/L	98
104)	2-methylnaphthalene	19.790	142	52751	25.15	ug/L	99
105)	1-methylnaphthalene	20.034	142	56945	23.76	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131217\
Data File : N83330.D
Acq On : 17 Dec 2013 9:09 am
Operator : jaclynb
Sample : cc3086-50
Misc : ms30770,MSN3110,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 17 09:38:43 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9522	8260CC	200ug/mL
523	CCgas	200
484	BS	200
492	BSgas	200
439	IS	250
524	SS	200

Daily Saved File

Tune file 1:	M62329
Tune file 2:	NA
Initial Cal:	12-19-13
ID File:	M131219S.M
ICAL Verified:	KD
Sequence verified:	KD

Date: 12-19-13

Batch ID: MSM2178

Analysts KD

Signature: KD

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M62325	blank	NA	NA	NA	1	NA	NA	NA	NA	NA	-
26	test 0.5	1,1			2						OK
27	test 5	1,1			3						OK
28	blank	NA			4						-
29	bfb	NA			5						✓✓
30	IC2178-0.5	1,1			6						✓✓
31	-2				7						✓✓
32	-5				8						✓✓
33	-10				9						✓✓
34	-20				10						✓✓
35	(Icc) -50				11						✓✓
36	-100				12						✓✓
37	-200				13						✓✓
38	-400				14						✓✓
39	Blank	NA			15						-
40	Blank				16						-
41	ICV2178-50	3,2			17						✓✓
42					18						-
43	Blank	NA			19						-
44	Blank				20						-

12-19-13 KD

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review:

7.2.1

7

Accutest Laboratories of New England, Inc. **Instrument: GCMS M**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

47

Standards Data

Lot #	Description	Conc
MS9522	8260CC	200ug/mL
523	CCgas	200
484	BS	200
526	BSgas	200
441	IS+SS	250

Daily Saved File

Tune file 1:	M62373
Tune file 2:	NA
Initial Cal:	12-19-13
ID File:	M131219S.M
ICAL Verified:	KD
Sequence verified:	

Date: 12-20-13

Batch ID: MSM2180

Analysts KD

Signature:

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
M62373	CC2178-50	1,1	NA	NA	27	NA	NA	NA	NA	NA	VV
74	BS	3,1			28						VV
75	BSD	3,1			29						-
76	iblk	NA			30						-
77	mb	NA			31						VV
78	MC27146-2	1	MS30848	TCL42+(20)	32	SO	4.342				VV
79	-3				33		4.686				VV
80	MC27183-1			TCL	34		4.796				VV
81	-2				35		4.685				VV
82	-3				36		5.198				VV
83	-4				37		4.762				VV
84	-5				38		4.672				VV
85	-6				39		4.773				VV
86	-7				40		5.189				VV
87	-8				41		4.279				VV
88	-9				42		6.364				VV
89	-10				43		5.190				VV
90	-11				44		4.873				VV
91	-12				45		4.486				VV
92	-12MS				46		4.905				VV
93	-12MSD				47		4.909				VV
94	MC27253-1	2			48		6.119				VV
95	-2	3			49		6.370				VV
96	MC27125-4	5		RCP	50		6.070				VV
97	-5	5			51		6.090				VV
	12-20-13	KD									

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review:

7.7.2

7

Accutest Laboratories of New England, Inc. **Instrument: GCMS N**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9478	8260 CC	200ug/mL
457	CCgas	"
450	bs	
462	bsgas	"
440	SS	"
396	IS	125ppm

Daily Saved File

Tune file 1:	N82687
Tune file 2:	
Initial Cal:	11/25/13
ID File:	N131125
ICAL Verified:	JSB
Sequence verified:	JSB

Date: 11/25/13

Batch ID: MSN3086

Analysts JSB

Signature: JSB

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
N82680	lblk	NA	NA	NA	15	NA	5mL	NA	1:1	NA	
681	CC3048-50	1/2			16						Int. ↑
682	bs	3/2			17						
683	bsd	"			18						Recurve
684	lblk	NA			15						✓
685	lblk				16						✓
686	lblk				17						✓
687	bPb				18						✓✓
688	lblk	"		"	19						✓
689	IC3086-0.5	1/2		Curve	20						✓✓
690	-1			8260	21						✓✓
691	-2				22						✓✓
692	-5				23						✓✓
693	-10				24						✓✓
694	-25				25						✓✓
695	ICS3086-50				26						✓✓
696	IC3086-100				27						✓✓
697	-200				28						✓✓
698	-400	"			29						✓✓
699	lblk	NA			30						✓
700	lblk	"			31						✓
701	ICV3086-50	3/2			32						✓✓
702	"	"			33						✓
703	lblk	NA			34						✓
704	lblk	"			35	"	"	"	"	"	✓

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

Review:

Accutest Laboratories of New England, Inc. **Instrument: GCMS N**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9479	8260cc	20ug/ml
497	ccgas	
484	bs	
492	bsgas	
417	IS/SS	125ppm

Daily Saved File

Tune file 1:	
Tune file 2:	
Initial Cal:	11/25/13
ID File:	N131125
ICAL Verified:	KB
Sequence verified:	EK

Date: 12/16/13

Batch ID: MSN3110

Analysts JSB

Signature: JSB

*Note: If sample matrix is soil -- method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
N83319	CC30860-50	2/2	NA	NA	42	NA	5mL	NA	1:1	NA	✓✓
320	bs	1			43						✓✓
321	lcvk	NA			44						✓
322	mb	1			45						✓✓
323	mc27040-1	1	ms30790	SL1	46	WTB				<2	✓✓
324	-2	1			47	WFB					✓✓
325	-3	1			48	WEB					✓✓
326	mc26968-16	5			49	WFB					✓✓
327	-17	4			50	WEB					Instrument blank
328	-22	4			51	GW					RLC
329	-24	4			52						
330	-25	5			53						
331	-26	4			54						
332	-28	5			55						
333	-21	5			56						
334	mc27040-5	2			57						
335	mc26968-18	5			58						
336	mc27040-4	2			59						
337	mc26968-23	4			60				1:2		
338	-27	4			61				1:2		
339	mc27040-6	1			62				1:10		
340	-7	2			63				1:5		
341	mc26968-22ms	5			64				1:5		
342	-22msd	5			65				1:5		

12/17/13

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review:

ACCUTEST LABORATORIES MC27146

Accutest Laboratories of New England, Inc. **Instrument: GCMS N**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9479	8260cc	5 @ 200ug/ml
447	ccgas	
484	bs	
492	bsgas	
417	Ts/ss	125ppm

Daily Saved File

Tune file 1:	N83330
Tune file 2:	
Initial Cal:	11/25/13
ID File:	N131125
ICAL Verified:	JSB
Sequence verified:	MD

Date: 12/17/13

Batch ID: MSN3110 (cont.)

Analysts JSB

Signature: JSB

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
N83328	lblK	NA	NA	NA	15	NA	5mL	NA	1:1	NA	
329	lblK	"			16						
330	cc3086-50	2/2			17						✓✓
331	bs	"			18						✓✓
332	bsd	"			19						✓
333	lblK	NA			20						✓
334	mb	"			21						✓✓
335	mc26968-22	4	ms30790	SL1	22	GW				<2	*foamer ✓✓
336	-24	4			23						✓✓
337	-25	5			24						✓✓
338	-26	4			25				1:5		*matrix ✓✓
339	-28	5			26				1:1		✓✓
340	mc27046-1	1		TCL42+	27						✓✓
341	mc26968-21	5		SL1	28						✓✓
342	mc27040-5	2			29						✓✓
343	mc26968-18	5			30						✓✓
344	mc27040-4	2			31						✓✓ RRc1:100
345	mc27071-1	4		SL	32						✓✓ *
346	mc26968-23	4		SL1	33				1:2		RRc1:1C.O.
347	-27	4			34				1:2		RRc1:2C.O.
348	mc27046	1			35				1:10		RRc1:4
349	-7	2			36				1:5		✓✓
350	mc26968-22ms	5			37				1:5		✓✓
351	-22msd	5			38				1:5		✓✓

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review: 12/17/13

New England ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: MC27146
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MC27146-2 **Analyzed:** 18-DEC-13 by HS **Method:** SM21 2540 B MOD.
ClientID: LBA-SB-521(1-1.5)

Wet Weight (Total)	28.817	g
Tare Weight	18.843	g
Dry Weight (Total)	27.955	g
Solids, Percent	91.4	%

Sample: MC27146-3 **Analyzed:** 18-DEC-13 by HS **Method:** SM21 2540 B MOD.
ClientID: LBA-SB-522(0-0.9)

Wet Weight (Total)	41.899	g
Tare Weight	30.98	g
Dry Weight (Total)	41.372	g
Solids, Percent	95.2	%

New England ACCUTEST LABORATORIES

01/15/14

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC27335

Sampling Dates: 12/17/13 - 12/20/13

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **131**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC27335

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC27335-1	12/17/13	12:20	ER	12/21/13	AQ	Ground Water	LBA-SB-503
MC27335-2	12/20/13	00:00	ER	12/21/13	AQ	Trip Blank Water	TB122013

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environmental & Energy **Job No** MC27335

Site: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, **Report Date** 1/14/2014 1:15:50 PM

1 Sample(s) and 1 Trip Blank(s) were collected on between 12/17/2013 and 12/20/2013 and were received at Accutest on 12/21/2013 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of MC27335. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix AQ **Batch ID:** MSV1012

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27210-1MS, MC27210-1MSD were used as the QC samples indicated.
- MSV1012-BSD Recovery(s) for Chloromethane are outside control limits. Blank Spike meets program technical requirements.
- MSV1012-BS Recovery(s) for Chloroethane, Chloromethane are outside control limits. Blank Spike meets program technical requirements.
- Matrix Spike Recovery(s) for Bromomethane, Chloroethane, Chloromethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for Chloromethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Continuing calibration check standard MSV1012-CC978 for chloromethane exceed 40% Difference (response bias high). Associated sample is non-detect for this compound.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC27335).

Summary of Hits

Job Number: MC27335
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 12/17/13 thru 12/20/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC27335-1	**LBA-SB-503**					
Acetone		24.3	10	2.8	ug/l	SW846 8260C
cis-1,2-Dichloroethene		11.7	1.0	0.54	ug/l	SW846 8260C
Trichloroethene		8.0	1.0	0.45	ug/l	SW846 8260C
MC27335-2	**TB122013**					
Total TIC, Volatile		4.1 J			ug/l	

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@146041 15:44 15-Jan-2014

Report of Analysis

Client Sample ID:	LBA-SB-503		
Lab Sample ID:	MC27335-1	**Date Sampled:**	12/17/13
Matrix:	AQ - Ground Water	**Date Received:**	12/21/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V26718.D	1	12/24/13	AMY	n/a	n/a	MSV1012
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	24.3	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	11.7	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-SB-503		
Lab Sample ID:	MC27335-1	**Date Sampled:**	12/17/13
Matrix:	AQ - Ground Water	**Date Received:**	12/21/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	8.0	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@146041 15:44 15-Jan-2014

Report of Analysis

Client Sample ID:	TB122013		
Lab Sample ID:	MC27335-2	**Date Sampled:**	12/20/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/21/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V26717.D	1	12/24/13	AMY	n/a	n/a	MSV1012
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB122013		
Lab Sample ID:	MC27335-2	**Date Sampled:**	12/20/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/21/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
2039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	14.70	4.1	ug/l	JN
	Total TIC, Volatile		4.1	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY RECORD mc27335

Page 1 of 1

Project Number:	Site and Location:
4255/5	EPT Ithaca DO oversight

Contact Name:	Contact Email:
Erik.Reinert@wspgroup.com	

Sampler's Name:	Sampler's Signature:
Erik Reinert	

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

N° 01025

NYS CAT B Deliverable

Requested Analyses: VOCs (8260) TCL; CP-51 VOC (STARS) + 25 TICs

Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	VOCs (8260) TCL	CP-51 VOC (STARS) + 25 TICs	Remarks
LBA-SB-503 -1	—	12/17/13	1220	Aq	1	X	X	
TB122013 -2	—	12/20/13	—	Aq	2	X	X	Trip Blank

2A4

Relinquished by (Signature):	Date | Time	Received by (Signature):
	12/20/13 1630	FX
FX	12/21/13 11:00	2.4°

Turn-Around Time:	Tracking Number:
5-day	801991059917

Laboratory Name: Accutest

Laboratory Location: Marlborough, MA

Custody Seal Numbers: 32842

Method of Shipment: Fedex

WSP Environment & Energy

- ❑ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ❑ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ❑ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ❑ New Jersey Office: 334 Elizabeth Ave., Somerset, NJ 08873 / Tel: 732-564-0888
- ❑ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ❑ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ❑ Boxborough Office: 1740 Massachusetts Ave., Boxborough, MA 01719 / Tel: 978-635-9600
- ☒ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

MC27335: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC27335 **Client:** WSP **Immediate Client Services Action Required:** No

Date / Time Received: 12/21/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: 4255/5 **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	Infared gun	
3. Cooler media:	Ice (bag)	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☑	☐	☐
2. Trip Blank listed on COC:	☑	☐	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC27335: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC27335

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC27335-1	Collected: 17-DEC-13 12:20 By: ER		Received: 21-DEC-13 By:			
LBA-SB-503						
MC27335-1	SW846 8260C	24-DEC-13 20:36	AMY			V8260SL+
MC27335-2	Collected: 20-DEC-13 00:00 By: ER		Received: 21-DEC-13 By:			
TB122013						
MC27335-2	SW846 8260C	24-DEC-13 20:09	AMY			V8260SL+

Accutest Internal Chain of Custody

Job Number: MC27335
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 12/21/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC27335-1.1	VOC Ref #2	Amy Min Yang	12/24/13 11:34	Retrieve from Storage
MC27335-1.1	Amy Min Yang	GCMSV	12/24/13 11:34	Load on Instrument
MC27335-1.1	GCMSV	Kerry Ryan	12/26/13 09:29	Unload from Instrument
MC27335-1.1	Kerry Ryan	VOC Ref #2	12/26/13 09:29	Return to Storage
MC27335-2.1	VOC Ref #2	Amy Min Yang	12/24/13 11:34	Retrieve from Storage
MC27335-2.1	Amy Min Yang	GCMSV	12/24/13 11:34	Load on Instrument
MC27335-2.1	GCMSV	Kerry Ryan	12/26/13 09:29	Unload from Instrument
MC27335-2.1	Kerry Ryan	VOC Ref #2	12/26/13 09:29	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC27335
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV1012-MB	V26699.D	1	12/24/13	AMY	n/a	n/a	MSV1012

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27335-1, MC27335-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	

Method Blank Summary

Job Number: MC27335
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV1012-MB	V26699.D	1	12/24/13	AMY	n/a	n/a	MSV1012

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27335-1, MC27335-2

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	70-130%
2037-26-5	Toluene-D8	100%	70-130%
460-00-4	4-Bromofluorobenzene	103%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC27335
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV1012-BS	V26695.D	1	12/24/13	AMY	n/a	n/a	MSV1012
MSV1012-BSD	V26696.D	1	12/24/13	AMY	n/a	n/a	MSV1012

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27335-1, MC27335-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	54.1	108	55.1	110	2	70-130/25
71-43-2	Benzene	50	49.4	99	47.5	95	4	70-130/25
75-27-4	Bromodichloromethane	50	52.8	106	51.4	103	3	70-130/25
75-25-2	Bromoform	50	44.4	89	43.7	87	2	70-130/25
74-83-9	Bromomethane	50	63.6	127	60.8	122	5	70-130/25
78-93-3	2-Butanone (MEK)	50	53.1	106	51.4	103	3	70-130/25
104-51-8	n-Butylbenzene	50	55.4	111	53.4	107	4	70-130/25
135-98-8	sec-Butylbenzene	50	52.8	106	51.6	103	2	70-130/25
98-06-6	tert-Butylbenzene	50	52.2	104	51.1	102	2	70-130/25
75-15-0	Carbon disulfide	50	52.4	105	50.4	101	4	70-130/25
56-23-5	Carbon tetrachloride	50	50.6	101	48.4	97	4	70-130/25
108-90-7	Chlorobenzene	50	45.3	91	44.2	88	2	70-130/25
75-00-3	Chloroethane	50	66.2	132* [a]	62.3	125	6	70-130/25
67-66-3	Chloroform	50	48.5	97	46.8	94	4	70-130/25
74-87-3	Chloromethane	50	67.4	135* [a]	66.7	133* [a]	1	70-130/25
110-82-7	Cyclohexane	50	44.6	89	42.9	86	4	71-145/25
96-12-8	1,2-Dibromo-3-chloropropane	50	58.8	118	59.8	120	2	70-130/25
124-48-1	Dibromochloromethane	50	47.8	96	46.6	93	3	70-130/25
106-93-4	1,2-Dibromoethane	50	51.8	104	50.6	101	2	70-130/25
95-50-1	1,2-Dichlorobenzene	50	48.8	98	48.0	96	2	70-130/25
541-73-1	1,3-Dichlorobenzene	50	48.9	98	48.1	96	2	70-130/25
106-46-7	1,4-Dichlorobenzene	50	48.7	97	47.1	94	3	70-130/25
75-71-8	Dichlorodifluoromethane	50	38.8	78	37.2	74	4	70-130/25
75-34-3	1,1-Dichloroethane	50	51.0	102	48.6	97	5	70-130/25
107-06-2	1,2-Dichloroethane	50	48.9	98	47.9	96	2	70-130/25
75-35-4	1,1-Dichloroethene	50	53.3	107	50.5	101	5	70-130/25
156-59-2	cis-1,2-Dichloroethene	50	50.6	101	48.6	97	4	70-130/25
156-60-5	trans-1,2-Dichloroethene	50	50.5	101	48.3	97	4	70-130/25
78-87-5	1,2-Dichloropropane	50	49.0	98	47.6	95	3	70-130/25
10061-01-5	cis-1,3-Dichloropropene	50	46.9	94	45.9	92	2	70-130/25
10061-02-6	trans-1,3-Dichloropropene	50	50.2	100	49.2	98	2	70-130/25
100-41-4	Ethylbenzene	50	50.6	101	48.7	97	4	70-130/25
76-13-1	Freon 113	50	55.6	111	53.0	106	5	70-130/25
591-78-6	2-Hexanone	50	51.4	103	51.4	103	0	70-130/25
98-82-8	Isopropylbenzene	50	52.4	105	51.2	102	2	70-130/25
99-87-6	p-Isopropyltoluene	50	54.4	109	53.5	107	2	70-130/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC27335
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV1012-BS	V26695.D	1	12/24/13	AMY	n/a	n/a	MSV1012
MSV1012-BSD	V26696.D	1	12/24/13	AMY	n/a	n/a	MSV1012

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27335-1, MC27335-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
79-20-9	Methyl Acetate	50	40.2	80	40.5	81	1	40-137/25
108-87-2	Methylcyclohexane	50	52.3	105	50.1	100	4	74-143/25
1634-04-4	Methyl Tert Butyl Ether	50	55.2	110	54.3	109	2	70-130/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	59.0	118	58.2	116	1	70-130/25
75-09-2	Methylene chloride	50	49.4	99	47.7	95	4	70-130/25
91-20-3	Naphthalene	50	55.2	110	56.7	113	3	70-130/25
103-65-1	n-Propylbenzene	50	50.8	102	49.6	99	2	70-130/25
100-42-5	Styrene	50	50.6	101	49.4	99	2	70-130/25
79-34-5	1,1,2,2-Tetrachloroethane	50	54.3	109	53.9	108	1	70-130/25
127-18-4	Tetrachloroethene	50	49.0	98	47.2	94	4	70-130/25
108-88-3	Toluene	50	51.2	102	49.8	100	3	70-130/25
120-82-1	1,2,4-Trichlorobenzene	50	55.8	112	55.4	111	1	70-130/25
71-55-6	1,1,1-Trichloroethane	50	51.2	102	49.3	99	4	70-130/25
79-00-5	1,1,2-Trichloroethane	50	49.7	99	48.6	97	2	70-130/25
79-01-6	Trichloroethene	50	48.9	98	47.4	95	3	70-130/25
75-69-4	Trichlorofluoromethane	50	48.9	98	46.8	94	4	70-130/25
95-63-6	1,2,4-Trimethylbenzene	50	52.1	104	50.7	101	3	70-130/25
108-67-8	1,3,5-Trimethylbenzene	50	53.4	107	51.9	104	3	70-130/25
75-01-4	Vinyl chloride	50	46.9	94	44.4	89	5	70-130/25
	m,p-Xylene	100	99.7	100	96.1	96	4	70-130/25
95-47-6	o-Xylene	50	51.5	103	49.9	100	3	70-130/25
1330-20-7	Xylene (total)	150	151	101	146	97	3	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	98%	97%	70-130%
2037-26-5	Toluene-D8	101%	101%	70-130%
460-00-4	4-Bromofluorobenzene	100%	101%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC27335
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC27210-1MS	V26708.D	5	12/24/13	AMY	n/a	n/a	MSV1012
MC27210-1MSD	V26709.D	5	12/24/13	AMY	n/a	n/a	MSV1012
MC27210-1	V26707.D	1	12/24/13	AMY	n/a	n/a	MSV1012

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27335-1, MC27335-2

CAS No.	Compound	MC27210-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		250	276	110	271	108	2	70-130/30
71-43-2	Benzene	ND		250	260	104	259	104	0	70-130/30
75-27-4	Bromodichloromethane	ND		250	307	123	277	111	10	70-130/30
75-25-2	Bromoform	ND		250	239	96	231	92	3	70-130/30
74-83-9	Bromomethane	ND		250	345	138* [a]	313	125	10	70-130/30
78-93-3	2-Butanone (MEK)	ND		250	246	98	259	104	5	70-130/30
104-51-8	n-Butylbenzene	ND		250	283	113	284	114	0	70-130/30
135-98-8	sec-Butylbenzene	ND		250	257	103	277	111	7	70-130/30
98-06-6	tert-Butylbenzene	ND		250	259	104	278	111	7	70-130/30
75-15-0	Carbon disulfide	ND		250	270	108	272	109	1	70-130/30
56-23-5	Carbon tetrachloride	ND		250	276	110	271	108	2	70-130/30
108-90-7	Chlorobenzene	ND		250	243	97	238	95	2	70-130/30
75-00-3	Chloroethane	ND		250	366	146* [a]	326	130	12	70-130/30
67-66-3	Chloroform	ND		250	248	99	258	103	4	70-130/30
74-87-3	Chloromethane	ND		250	382	153* [a]	354	142* [a]	8	70-130/30
110-82-7	Cyclohexane	ND		250	234	94	238	95	2	60-160/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		250	295	118	298	119	1	70-130/30
124-48-1	Dibromochloromethane	ND		250	256	102	247	99	4	70-130/30
106-93-4	1,2-Dibromoethane	ND		250	267	107	268	107	0	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		250	252	101	254	102	1	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		250	239	96	256	102	7	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		250	253	101	254	102	0	70-130/30
75-71-8	Dichlorodifluoromethane	ND		250	204	82	184	74	10	70-130/30
75-34-3	1,1-Dichloroethane	ND		250	251	100	272	109	8	70-130/30
107-06-2	1,2-Dichloroethane	ND		250	258	103	260	104	1	70-130/30
75-35-4	1,1-Dichloroethene	ND		250	293	117	280	112	5	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		250	253	101	264	106	4	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		250	257	103	266	106	3	70-130/30
78-87-5	1,2-Dichloropropane	ND		250	261	104	259	104	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		250	245	98	241	96	2	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		250	257	103	257	103	0	70-130/30
100-41-4	Ethylbenzene	ND		250	269	108	266	106	1	70-130/30
76-13-1	Freon 113	ND		250	309	124	298	119	4	70-130/30
591-78-6	2-Hexanone	ND		250	246	98	255	102	4	70-130/30
98-82-8	Isopropylbenzene	ND		250	263	105	277	111	5	70-130/30
99-87-6	p-Isopropyltoluene	ND		250	277	111	287	115	4	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC27335
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC27210-1MS	V26708.D	5	12/24/13	AMY	n/a	n/a	MSV1012
MC27210-1MSD	V26709.D	5	12/24/13	AMY	n/a	n/a	MSV1012
MC27210-1	V26707.D	1	12/24/13	AMY	n/a	n/a	MSV1012

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27335-1, MC27335-2

CAS No.	Compound	MC27210-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
79-20-9	Methyl Acetate	ND		250	189	76	209	84	10	34-145/30
108-87-2	Methylcyclohexane	ND		250	272	109	270	108	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	ND		250	262	105	275	110	5	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	274	110	287	115	5	70-130/30
75-09-2	Methylene chloride	ND		250	250	100	263	105	5	70-130/30
91-20-3	Naphthalene	ND		250	264	106	278	111	5	70-130/30
103-65-1	n-Propylbenzene	ND		250	249	100	266	106	7	70-130/30
100-42-5	Styrene	ND		250	279	112	269	108	4	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	252	101	276	110	9	70-130/30
127-18-4	Tetrachloroethene	ND		250	270	108	261	104	3	70-130/30
108-88-3	Toluene	ND		250	266	106	266	106	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		250	286	114	284	114	1	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		250	272	109	271	108	0	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		250	251	100	253	101	1	70-130/30
79-01-6	Trichloroethene	ND		250	262	105	255	102	3	70-130/30
75-69-4	Trichlorofluoromethane	ND		250	270	108	245	98	10	70-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		250	261	104	272	109	4	70-130/30
108-67-8	1,3,5-Trimethylbenzene	ND		250	265	106	278	111	5	70-130/30
75-01-4	Vinyl chloride	ND		250	260	104	236	94	10	70-130/30
	m,p-Xylene	ND		500	538	108	522	104	3	70-130/30
95-47-6	o-Xylene	ND		250	272	109	269	108	1	70-130/30
1330-20-7	Xylene (total)	ND		750	811	108	791	105	2	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC27210-1	Limits
1868-53-7	Dibromofluoromethane	99%	98%	102%	70-130%
2037-26-5	Toluene-D8	101%	100%	99%	70-130%
460-00-4	4-Bromofluorobenzene	93%	100%	103%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC27335
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSV978-BFB
Lab File ID: V25678.D
Instrument ID: GCMSV
Injection Date: 11/24/13
Injection Time: 14:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	10406	19.7		Pass
75	30.0 - 60.0% of mass 95	27240	51.6		Pass
95	Base peak, 100% relative abundance	52797	100.0		Pass
96	5.0 - 9.0% of mass 95	3628	6.87		Pass
173	Less than 2.0% of mass 174	275	0.52	(0.54) [a]	Pass
174	50.0 - 100.0% of mass 95	50493	95.6		Pass
175	5.0 - 9.0% of mass 174	3624	6.86	(7.18) [a]	Pass
176	95.0 - 101.0% of mass 174	48296	91.5	(95.6) [a]	Pass
177	5.0 - 9.0% of mass 176	2977	5.64	(6.16) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSV978-IC978	V25679.D	11/24/13	15:23	00:27	Initial cal 0.25
MSV978-IC978	V25680.D	11/24/13	15:49	00:53	Initial cal 0.5
ZZZZZZ	V25680A.D	11/24/13	15:49	00:53	(unrelated sample)
ZZZZZZ	V25681A.D	11/24/13	16:16	01:20	(unrelated sample)
MSV978-IC978	V25681.D	11/24/13	16:16	01:20	Initial cal 1
MSV978-IC978	V25682.D	11/24/13	16:43	01:47	Initial cal 2
ZZZZZZ	V25682A.D	11/24/13	16:43	01:47	(unrelated sample)
ZZZZZZ	V25683A.D	11/24/13	17:09	02:13	(unrelated sample)
MSV978-IC978	V25683.D	11/24/13	17:09	02:13	Initial cal 5
MSV978-IC978	V25684.D	11/24/13	17:35	02:39	Initial cal 10
ZZZZZZ	V25684A.D	11/24/13	17:35	02:39	(unrelated sample)
MSV978-ICC978	V25685.D	11/24/13	18:02	03:06	Initial cal 50
MSV978-IC978	V25686.D	11/24/13	18:29	03:33	Initial cal 100
MSV978-IC978	V25687.D	11/24/13	18:55	03:59	Initial cal 200
MSV978-IC978	V25688.D	11/24/13	19:21	04:25	Initial cal 400
MSV978-ICV978	V25692.D	11/24/13	21:07	06:11	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC27335
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSV1012-BFB
Lab File ID: V26694.D
Instrument ID: GCMSV
Injection Date: 12/24/13
Injection Time: 10:01

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	40048	19.4		Pass
75	30.0 - 60.0% of mass 95	106000	51.3		Pass
95	Base peak, 100% relative abundance	206592	100.0		Pass
96	5.0 - 9.0% of mass 95	13706	6.63		Pass
173	Less than 2.0% of mass 174	1451	0.70	(0.74) [a]	Pass
174	50.0 - 100.0% of mass 95	195776	94.8		Pass
175	5.0 - 9.0% of mass 174	14653	7.09	(7.48) [a]	Pass
176	95.0 - 101.0% of mass 174	190592	92.3	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	12405	6.00	(6.51) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSV1012-CC978	V26694.D	12/24/13	10:01	00:00	Continuing cal 50
MSV1012-BS	V26695.D	12/24/13	10:27	00:26	Blank Spike
MSV1012-BSD	V26696.D	12/24/13	10:54	00:53	Blank Spike Duplicate
MSV1012-MB	V26699.D	12/24/13	12:12	02:11	Method Blank
ZZZZZZ	V26700.D	12/24/13	12:39	02:38	(unrelated sample)
ZZZZZZ	V26701.D	12/24/13	13:06	03:05	(unrelated sample)
ZZZZZZ	V26702.D	12/24/13	13:32	03:31	(unrelated sample)
ZZZZZZ	V26703.D	12/24/13	13:59	03:58	(unrelated sample)
ZZZZZZ	V26704.D	12/24/13	14:26	04:25	(unrelated sample)
ZZZZZZ	V26705.D	12/24/13	14:52	04:51	(unrelated sample)
ZZZZZZ	V26706.D	12/24/13	15:19	05:18	(unrelated sample)
MC27210-1	V26707.D	12/24/13	15:46	05:45	(used for QC only; not part of job MC27335)
MC27210-1MS	V26708.D	12/24/13	16:12	06:11	Matrix Spike
MC27210-1MSD	V26709.D	12/24/13	16:39	06:38	Matrix Spike Duplicate
ZZZZZZ	V26710.D	12/24/13	17:06	07:05	(unrelated sample)
ZZZZZZ	V26711.D	12/24/13	17:32	07:31	(unrelated sample)
ZZZZZZ	V26712.D	12/24/13	17:58	07:57	(unrelated sample)
ZZZZZZ	V26713.D	12/24/13	18:25	08:24	(unrelated sample)
ZZZZZZ	V26714.D	12/24/13	18:51	08:50	(unrelated sample)
ZZZZZZ	V26715.D	12/24/13	19:17	09:16	(unrelated sample)
ZZZZZZ	V26716.D	12/24/13	19:43	09:42	(unrelated sample)
MC27335-2	V26717.D	12/24/13	20:09	10:08	TB122013
MC27335-1	V26718.D	12/24/13	20:36	10:35	LBA-SB-503
ZZZZZZ	V26719.D	12/24/13	21:02	11:01	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: MC27335
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample:	MSV1012-BFB	**Injection Date:**	12/24/13
Lab File ID:	V26694.D	**Injection Time:**	10:01
Instrument ID:	GCMSV		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	V26721.D	12/24/13	21:55	11:54	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: MC27335
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	MSV1012-CC978	**Injection Date:**	12/24/13
Lab File ID:	V26694.D	**Injection Time:**	10:01
Instrument ID:	GCMSV	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	457831	6.56	599234	7.74	300578	11.07	337865	13.29	115494	3.51
Upper Limit [a]	915662	7.06	1198468	8.24	601156	11.57	675730	13.79	230988	4.01
Lower Limit [b]	228916	6.06	299617	7.24	150289	10.57	168933	12.79	57747	3.01

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSV1012-BS	452394	6.55	595960	7.74	300758	11.07	337249	13.29	123730	3.50
MSV1012-BSD	463676	6.56	604633	7.74	305696	11.07	340603	13.29	130590	3.51
MSV1012-MB	391986	6.56	529190	7.74	264923	11.08	282539	13.29	109287	3.51
ZZZZZZ	387399	6.56	524345	7.74	272921	11.08	279138	13.29	107100	3.51
ZZZZZZ	401922	6.56	542607	7.74	266673	11.08	272924	13.29	108756	3.51
ZZZZZZ	377256	6.56	507331	7.74	256404	11.08	264455	13.29	105793	3.51
ZZZZZZ	364175	6.57	496988	7.74	260501	11.08	260332	13.29	101910	3.52
ZZZZZZ	374992	6.57	509958	7.74	251069	11.08	255397	13.29	105669	3.52
ZZZZZZ	407157	6.56	533279	7.74	276942	11.08	286984	13.29	121964	3.52
ZZZZZZ	371689	6.56	483794	7.74	274080	11.08	281189	13.29	107255	3.52
MC27210-1	406363	6.56	544465	7.74	271861	11.08	278118	13.29	115134	3.51
MC27210-1MS	407469	6.56	509566	7.74	253528	11.07	307993	13.29	105738	3.51
MC27210-1MSD	450385	6.56	585661	7.74	290345	11.07	323961	13.29	116091	3.51
ZZZZZZ	362125	6.56	475795	7.74	257135	11.07	252034	13.29	87364	3.52
ZZZZZZ	412643	6.56	560509	7.74	275526	11.07	252900	13.29	105605	3.51
ZZZZZZ	357282	6.55	475664	7.73	237865	11.07	254268	13.29	99840	3.50
ZZZZZZ	393839	6.56	530160	7.74	262466	11.07	263958	13.29	96190	3.51
ZZZZZZ	344535	6.56	453380	7.73	223775	11.07	241613	13.29	85971	3.51
ZZZZZZ	338911	6.55	444463	7.73	222368	11.07	237516	13.28	86015	3.51
ZZZZZZ	392300	6.55	533759	7.73	278575	11.07	297283	13.28	104435	3.51
MC27335-2	379204	6.56	523705	7.74	270810	11.07	278974	13.28	103587	3.51
MC27335-1	390867	6.56	524695	7.74	225171	11.07	242204	13.28	121431	3.52
ZZZZZZ	358963	6.56	466113	7.74	225549	11.07	238682	13.28	91504	3.52
ZZZZZZ	393723	6.55	539157	7.73	236005	11.07	262075	13.28	117021	3.50

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: MC27335
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8260C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC27335-1	V26718.D	104.0	99.0	101.0
MC27335-2	V26717.D	105.0	100.0	104.0
MC27210-1MS	V26708.D	99.0	101.0	93.0
MC27210-1MSD	V26709.D	98.0	100.0	100.0
MSV1012-BS	V26695.D	98.0	101.0	100.0
MSV1012-BSD	V26696.D	97.0	101.0	101.0
MSV1012-MB	V26699.D	101.0	100.0	103.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC27335 **Sample:** MSV978-ICC978
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** V25685.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report MSV

Method : C:\msdchem\1\METHODS\v131124w.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

Calibration Files
0.25=v25679.D 0.5 =v25680.D 1 =v25681.D 2 =v25682.D
5 =v25683.D 10 =v25684.D 50 =v25685.D 100 =v25686.D
200 =v25687.D 400 =v25688.D = =

Compound	0.25	0.5	1	2	5	10	50	100	200	400	Avg	%RSD
1) I tert butyl alcohol-d9	----------ISTD----------											
2) tertiary butyl alcohol			1.147	1.207	1.110	1.274	1.348	1.394	1.402		1.269	9.31
3) Ethanol			0.190	0.209	0.239	0.223	0.206	0.216	0.313		0.228	17.73
4) I pentafluorobenzene	----------ISTD----------											
5) dichlorodifluoromethane			1.540	1.122	1.225	1.213	1.177	1.227	1.098	1.014	1.202	12.91
6) chloromethane			0.974	0.558	0.637	0.658	0.632	0.624	0.527	0.505	0.639	22.90
---- Linear regression ---- Coefficient = 0.9965												
Response Ratio = 0.06386 + 0.50497 *A												
7) vinyl chloride			1.123	0.684	0.671	0.685	0.639	0.660	0.607	0.563	0.704	24.79
---- Linear regression ---- Coefficient = 0.9976												
Response Ratio = 0.05444 + 0.56701 *A												
8) bromomethane			0.620	0.373	0.393	0.419	0.390	0.392	0.358	0.305	0.406	22.83
---- Linear regression ---- Coefficient = 0.9911												
Response Ratio = 0.05320 + 0.31069 *A												
9) chloroethane			0.689	0.368	0.349	0.314	0.271	0.270	0.246	0.221	0.341	43.73
---- Linear regression ---- Coefficient = 0.9957												
Response Ratio = 0.03389 + 0.22265 *A												
10) ethyl ether			0.566	0.433	0.374	0.361	0.393	0.389	0.361	0.337	0.402	17.96
11) acetonitrile			0.812	0.580	0.552	0.553	0.660	0.657	0.635	0.630	0.635	13.20
12) trichlorofluoromethane			1.323	0.961	0.981	0.996	0.936	0.994	0.873	0.807	0.984	15.46
13) freon-113			0.561	0.335	0.415	0.443	0.501	0.467	0.450	0.440	0.451	14.45
14) acrolein			0.111	0.071	0.072	0.076	0.080	0.086	0.076	0.071	0.080	16.59
15) 1,1-dichloroethene			0.610	0.410	0.385	0.414	0.468	0.459	0.450	0.447	0.455	15.03
16) acetone					0.035	0.040	0.042	0.043	0.038	0.036	0.039#	8.16
17) Methyl Acetate												

```
                    0.616 0.443 0.383 0.384 0.451 0.449 0.399 0.385  0.439   17.72
18)  methylene chloride
                    0.730 0.508 0.467 0.465 0.507 0.498 0.482 0.483  0.517   16.94
19)  methyl tert butyl ether
                    1.218 0.935 0.802 0.820 0.982 1.002 0.904 0.952  0.952   13.55
20)  acrylonitrile
                    0.166 0.144 0.141 0.138 0.163 0.166 0.149 0.146  0.152    7.64
21)  allyl chloride
                    0.812 0.580 0.552 0.553 0.660 0.657 0.635 0.630  0.635   13.20
22)  trans-1,2-dichloroethene
                    0.679 0.461 0.426 0.432 0.470 0.466 0.459 0.463  0.482   16.89
23)  iodomethane
                    1.404 0.941 0.905 0.902 1.010 0.987 0.953 0.951  1.007   16.36
24)  carbon disulfide
                          1.416 1.281 1.319 1.478 1.415 1.380 1.446  1.391    5.01
25)  propionitrile
                                0.037 0.042 0.057 0.061 0.056 0.055  0.051   18.37
26)  vinyl acetate
                    1.776 1.309 1.202 1.228 1.459 1.499 1.427 1.390  1.411   12.87
27)  chloroprene
                    0.789 0.532 0.584 0.607 0.703 0.696 0.690 0.694  0.662   12.38
28)  di-isopropyl ether
                    1.643 1.187 1.163 1.186 1.356 1.350 1.302 1.263  1.306   11.89
29)  methacrylonitrile
                    0.289 0.236 0.217 0.218 0.270 0.284 0.258 0.249  0.253   11.01
30)  2-butanone
                                0.022 0.030 0.041 0.045 0.041 0.041  0.037#  23.75
           ---- Linear regression ----  Coefficient =  0.9990
             Response Ratio = 0.00078 + 0.04093 *A

31)  Hexane
                    0.488 0.315 0.346 0.347 0.392 0.380 0.363 0.364  0.375   13.75
32)  1,1-dichloroethane
                    1.235 0.836 0.785 0.780 0.857 0.843 0.817 0.807  0.870   17.23
33)  tert-butyl ethyl ether
                    1.061 0.779 0.707 0.750 0.925 0.940 0.889 0.922  0.872   13.48
34)  isobutyl alcohol
                    0.355 0.262 0.240 0.246 0.292 0.300 0.285 0.278  0.282   12.87
35)  2,2-dichloropropane
                    0.553 0.371 0.355 0.353 0.420 0.440 0.424 0.441  0.420   15.53
36)  cis-1,2-dichloroethene
                    0.637 0.469 0.424 0.441 0.489 0.490 0.483 0.488  0.490   13.09
37)  ethyl acetate
                                1.202 1.228 1.459 1.497 1.425 1.389  1.367    9.00
38)  bromochloromethane
                    0.349 0.263 0.245 0.249 0.274 0.273 0.269 0.267  0.273   11.77
39)  chloroform
                    1.330 0.937 0.861 0.849 0.926 0.923 0.910 0.913  0.956   16.13
40)  dibromofluoromethane (s)
                                0.453 0.478 0.489 0.507 0.495 0.501  0.487    3.99
41)  Tetrahydrofuran
                          0.066 0.076 0.074 0.100 0.106 0.094 0.089  0.086   16.86
42)  1,1,1-trichloroethane
                    0.934 0.624 0.621 0.630 0.741 0.745 0.725 0.746  0.721   14.34

43) I   1,4-difluorobenzene   ----------------ISTD---------------------
44)  Cyclohexane
                          0.613 0.501 0.472 0.502 0.481 0.481 0.490  0.506    9.60
45)  carbon tetrachloride
                    0.658 0.439 0.460 0.470 0.556 0.558 0.575 0.612  0.541   14.38
```

Initial Calibration Summary

Job Number: MC27335 **Sample:** MSV978-ICC978
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** V25685.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
46)  1,1-dichloropropene
                     0.654 0.432 0.426 0.420 0.468 0.470 0.480 0.499  0.481   15.64
47)  benzene
                1.251 1.705 1.230 1.142 1.132 1.249 1.248 1.272 1.321  1.284   13.17
48)  1,2-dichloroethane
                     0.792 0.576 0.528 0.521 0.561 0.562 0.557 0.559  0.582   14.93
49)  tert-amyl methyl ether
                     0.651 0.456 0.414 0.448 0.564 0.578 0.562 0.608  0.535   15.90
50)  heptane
                     0.323 0.206 0.256 0.268 0.315 0.317 0.315 0.316  0.290   14.59
51)  trichloroethene
           0.238 0.341 0.545 0.359 0.339 0.336 0.373 0.376 0.381 0.394  0.368   20.60
            ---- Linear regression ----  Coefficient =  0.9997
              Response Ratio = -0.00985 + 0.39248 *A

52)  1,2-dichloropropane
                     0.466 0.328 0.311 0.308 0.346 0.349 0.356 0.363  0.353   14.07
53)  dibromomethane
                     0.319 0.228 0.219 0.215 0.243 0.248 0.248 0.253  0.247   13.19
54)  bromodichloromethane
                     0.580 0.423 0.418 0.423 0.507 0.529 0.546 0.561  0.498   13.53
55)  Methylcyclohexane
                     0.512 0.301 0.356 0.384 0.467 0.469 0.461 0.481  0.429   17.02
56)  2-chloroethyl vinyl ether
                                                                      0.000#  -1.00
            ---- Quadratic regression ----  Coefficient =  0.1702
              Response Ratio = 0.00000 + 0.00000 *A + 0.00000 *A^2

57)  methyl methacrylate
                     0.188 0.137 0.137 0.144 0.192 0.212 0.207 0.214  0.179   19.08
58)  1,4-dioxane
                                     0.002 0.003 0.003 0.003 0.003  0.003#  21.59
            ---- Linear regression ----  Coefficient =  0.9994
              Response Ratio = -0.00113 + 0.00338 *A

59)  cis-1,3-dichloropropene
                 0.311 0.491 0.359 0.376 0.393 0.532 0.569 0.589 0.592  0.468   23.31
            ---- Linear regression ----  Coefficient =  0.9998
              Response Ratio = -0.02503 + 0.59405 *A

60)  toluene-d8 (s)
                                  0.981 1.030 1.103 1.159 1.148 1.172  1.099    7.06
61)  4-methyl-2-pentanone
                     0.250 0.194 0.184 0.191 0.268 0.290 0.266 0.259  0.238   17.41
62)  toluene
                     0.922 0.667 0.701 0.736 0.816 0.817 0.840 0.861  0.795   10.83
63)  trans-1,3-dichloropropene
                 0.238 0.393 0.297 0.308 0.328 0.461 0.512 0.531 0.535  0.400   28.21
            ---- Linear regression ----  Coefficient =  0.9997
              Response Ratio = -0.02776 + 0.53697 *A

64)  1,1,2-trichloroethane
                     0.357 0.267 0.240 0.237 0.272 0.282 0.281 0.285  0.278   13.35
65)  ethyl methacrylate
                                  0.242 0.279 0.390 0.425 0.421 0.422  0.363   22.42
            ---- Linear regression ----  Coefficient =  0.9999
              Response Ratio = -0.02162 + 0.42551 *A


66) I   chlorobenzene-d5      ----------------ISTD---------------------
```

Initial Calibration Summary

Job Number: MC27335 **Sample:** MSV978-ICC978
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** V25685.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

67) tetrachloroethene
0.681 0.835 1.183 0.788 0.771 0.785 0.845 0.852 0.874 0.909 0.852 15.55
68) 1,3-dichloropropane
1.296 0.981 0.899 0.898 1.016 1.045 1.039 1.059 1.029 12.15
69) dibromochloromethane
0.488 0.802 0.601 0.613 0.619 0.815 0.878 0.905 0.941 0.740 21.85
---- Linear regression ---- Coefficient = 0.9995
Response Ratio = -0.05441 + 0.93918 *A

70) 1,2-dibromoethane
0.784 0.599 0.570 0.581 0.689 0.730 0.726 0.739 0.677 12.18
71) 2-hexanone
0.251 0.256 0.374 0.410 0.382 0.387 0.343 20.56
---- Linear regression ---- Coefficient = 0.9995
Response Ratio = -0.00704 + 0.38785 *A

72) chlorobenzene
3.072 2.175 1.970 1.973 2.082 2.087 2.102 2.087 2.193 16.48
73) 1,1,1,2-tetrachloroethane
0.918 0.638 0.626 0.649 0.788 0.810 0.851 0.855 0.767 14.80
74) ethylbenzene
2.930 4.267 2.978 2.936 2.962 3.363 3.426 3.579 3.428 3.319 13.19
75) m,p-xylene
1.069 1.618 1.168 1.157 1.190 1.327 1.367 1.412 1.366 1.297 12.98
76) o-xylene
0.851 1.523 1.045 1.055 1.134 1.344 1.370 1.402 1.397 1.236 17.94
77) styrene
2.224 1.705 1.759 1.911 2.218 2.314 2.429 2.357 2.115 13.33
78) bromoform
0.378 0.371 0.382 0.550 0.640 0.664 0.691 0.525 27.58
---- Linear regression ---- Coefficient = 0.9994
Response Ratio = -0.07401 + 0.69459 *A

79) trans-1,4-dichloro-2-butene
0.087 0.105 0.183 0.233 0.252 0.256 0.186 40.21
---- Linear regression ---- Coefficient = 0.9993
Response Ratio = -0.04347 + 0.26133 *A

80) I 1,4-dichlorobenzene-d ----------ISTD----------
81) isopropylbenzene
3.447 2.449 2.541 2.713 3.043 2.956 2.899 2.973 2.878 10.92
82) bromofluorobenzene (s)
0.791 0.824 0.820 0.836 0.807 0.898 0.829 4.46
83) bromobenzene
1.090 0.793 0.796 0.804 0.868 0.853 0.832 0.885 0.865 11.20
84) 1,1,2,2-tetrachloroethane
0.630 0.883 0.711 0.642 0.633 0.706 0.723 0.668 0.701 0.700 11.06
85) 1,2,3-trichloropropane
0.938 0.705 0.570 0.675 0.690 0.750 0.840 0.771 0.743 15.00
86) n-propylbenzene
3.918 2.700 3.016 3.151 3.498 3.483 3.451 3.153 3.296 11.24
87) 2-chlorotoluene
2.758 1.968 2.013 2.067 2.195 2.186 2.179 2.254 2.202 11.13
88) 4-chlorotoluene
3.220 2.396 2.402 2.402 2.553 2.591 2.607 2.586 2.595 10.37
89) 1,3,5-trimethylbenzene
2.895 2.048 2.236 2.393 2.637 2.644 2.649 2.612 2.514 10.77
90) tert-butylbenzene
1.662 1.125 1.263 1.327 1.484 1.503 1.504 1.569 1.429 12.36

Initial Calibration Summary

Job Number: MC27335 **Sample:** MSV978-ICC978
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** V25685.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
 91)  1,2,4-trimethylbenzene
                       2.941 2.091 2.350 2.437 2.670 2.700 2.696 2.695  2.572   10.29
 92)  sec-butylbenzene
                       3.520 2.485 2.667 2.790 3.142 3.168 3.143 2.958  2.984   11.04
 93)  1,3-dichlorobenzene
                       2.176 1.540 1.514 1.516 1.630 1.648 1.635 1.650  1.664   12.94
 94)  p-isopropyltoluene
                       2.805 1.962 2.222 2.348 2.669 2.753 2.710 2.634  2.513   11.99
 95)  1,4-dichlorobenzene
                       2.373 1.698 1.542 1.551 1.645 1.684 1.643 1.630  1.721   15.65
 96)  1,2-dichlorobenzene
                       2.134 1.593 1.477 1.504 1.625 1.623 1.590 1.551  1.637   12.69
 97)  n-butylbenzene
                       2.517 1.683 1.819 1.992 2.300 2.317 2.279 2.271  2.147   13.28
 98)  1,2-dibromo-3-chloropropane
                                   0.086 0.079 0.110 0.126 0.115 0.124  0.107   18.31
 99)  1,3,5-trichlorobenzene
                       1.478 1.055 1.006 1.049 1.157 1.146 1.093 1.110  1.137   12.93
100)  1,2,4-trichlorobenzene
                       1.178 0.887 0.828 0.900 1.050 1.075 1.006 0.994  0.990   11.53
101)  hexachlorobutadiene
                       0.654 0.385 0.404 0.414 0.438 0.451 0.416 0.430  0.449   19.04
102)  naphthalene
                                   1.266 1.446 1.995 2.217 1.976 1.981  1.814   20.41
             ---- Linear regression ----  Coefficient =  0.9988
               Response Ratio = 0.04096 + 1.98386 *A

103)  1,2,3-trichlorobenzene
                       1.085 0.889 0.790 0.842 0.927 0.979 0.898 0.881  0.911    9.84
104)  2-Methylnaphthalene
                                         0.374 0.696 0.987 0.890 0.847  0.759   31.52
             ---- Linear regression ----  Coefficient =  0.9956
               Response Ratio = 0.00327 + 0.85817 *A

105)  1-Methylnaphthalene
                                         0.356 0.602 0.803 0.697 0.648  0.621   26.72
             ---- Linear regression ----  Coefficient =  0.9935
               Response Ratio = 0.03560 + 0.65091 *A

 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           v131124w.m        Mon Nov 25 08:45:51 2013
```

Initial Calibration Verification

Job Number: MC27335 **Sample:** MSV978-ICV978
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** V25692.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V131124\v25692.D Vial: 19
Acq On : 24 Nov 2013 9:07 pm Operator: amym
Sample : icv978-50 Inst : MSV
Misc : MS30629,MSV978,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\v131124w.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Nov 25 08:11:23 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	500.000	500.000	0.0	100	0.00	3.51
2	p	tertiary butyl alcohol	500.000	523.800	-4.8	104	-0.01	3.62
3	p	Ethanol	5000.000	4811.137	3.8	99	0.02	2.62
4	I	pentafluorobenzene	50.000	50.000	0.0	103	-0.01	6.55
5	p	dichlorodifluoromethane	50.000	47.879	4.2	101	0.00	1.57
6	P	chloromethane	50.000	59.131	-18.3	108	0.00	1.64
7	p	vinyl chloride	50.000	51.424	-2.8	103	0.00	1.75
8	p	bromomethane	50.000	60.494	-21.0#	113	0.00	2.04
9	p	chloroethane	50.000	64.042	-28.1#	121	0.00	2.14
10	p	ethyl ether	50.000	47.975	4.0	101	0.00	2.61
11	p	acetonitrile	50.000	50.470	-0.9	100	0.00	3.30
12	p	trichlorofluoromethane	50.000	47.407	5.2	103	0.00	2.36
13	p	freon-113	50.000	55.570	-11.1	103	-0.03	2.93
14	p	acrolein	250.000	234.435	6.2	95	0.00	2.77
15	p	1,1-dichloroethene	50.000	52.447	-4.9	105	-0.01	2.89
16	p	acetone	50.000	48.506	3.0	93	0.00	2.92
17	p	Methyl Acetate	50.000	34.561	30.9#	69	0.00	3.28
18	p	methylene chloride	50.000	48.854	2.3	103	0.00	3.48
19	p	methyl tert butyl ether	50.000	50.715	-1.4	101	0.00	3.83
20	p	acrylonitrile	50.000	48.478	3.0	93	0.00	3.78
21	p	allyl chloride	50.000	50.563	-1.1	100	0.00	3.30
22	p	trans-1,2-dichloroethene	50.000	51.110	-2.2	108	0.00	3.84
23	p	iodomethane	50.000	48.692	2.6	100	0.00	3.05
24	p	carbon disulfide	50.000	52.628	-5.3	102	0.00	3.13
25	p	propionitrile	50.000	51.572	-3.1	95	-0.02	5.64
26	p	vinyl acetate	50.000	49.309	1.4	98	-0.01	4.56
27	p	chloroprene	50.000	56.680	-13.4	110	-0.02	4.62
28	p	di-isopropyl ether	50.000	50.440	-0.9	100	-0.01	4.60
29	p	methacrylonitrile	50.000	49.750	0.5	96	-0.02	5.90
30	p	2-butanone	50.000	47.277	5.4	99	-0.02	5.52
31	p	Hexane	50.000	48.751	2.5	96	-0.01	4.25
32	P	1,1-dichloroethane	50.000	50.474	-0.9	106	-0.01	4.51
33	p	tert-butyl ethyl ether	50.000	55.746	-11.5	108	0.00	5.26
34	p	isobutyl alcohol	250.000	246.565	1.4	98	-0.01	4.56
35	p	2,2-dichloropropane	50.000	50.100	-0.2	103	0.00	5.54
36	p	cis-1,2-dichloroethene	50.000	51.347	-2.7	106	-0.01	5.53
37	p	ethyl acetate	50.000	50.923	-1.8	98	-0.01	4.56
38	p	bromochloromethane	50.000	49.718	0.6	102	-0.01	5.95
39	p	chloroform	50.000	47.729	4.5	102	-0.01	6.16
40	S	dibromofluoromethane (s)	50.000	52.215	-4.4	107	-0.01	6.43
41	p	Tetrahydrofuran	50.000	51.244	-2.5	91	-0.02	5.95

Initial Calibration Verification

Job Number: MC27335 **Sample:** MSV978-ICV978
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** V25692.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42	p	1,1,1-trichloroethane	50.000	50.858	-1.7	102	0.00	6.41
43	I	1,4-difluorobenzene	50.000	50.000	0.0	105	0.00	7.73
44	p	Cyclohexane	50.000	46.625	6.8	98	-0.01	6.53
45	p	carbon tetrachloride	50.000	50.126	-0.3	102	-0.01	6.67
46	p	1,1-dichloropropene	50.000	48.891	2.2	105	-0.01	6.67
47	p	benzene	50.000	48.923	2.2	105	-0.01	6.99
48	p	1,2-dichloroethane	50.000	45.693	8.6	99	-0.01	7.11
49	p	tert-amyl methyl ether	50.000	53.027	-6.1	105	0.00	7.28
50	p	heptane	50.000	47.559	4.9	91	0.00	7.55
51	p	trichloroethene	50.000	48.678	2.6	104	0.00	8.02
52	p	1,2-dichloropropane	50.000	49.097	1.8	105	0.00	8.37
53	p	dibromomethane	50.000	46.873	6.3	99	0.00	8.48
54	p	bromodichloromethane	50.000	51.089	-2.2	105	0.00	8.73
55	p	Methylcyclohexane	50.000	53.460	-6.9	103	-0.01	8.33
		----------	Amount	Calc.	%Drift		----------	
56	p	2-chloroethyl vinyl ether	50.000	0.000	100.0#	0	0.00	9.10
		----------	Amount	Calc.	%Drift		----------	
57	p	methyl methacrylate	50.000	51.450	-2.9	100	0.00	8.50
58	p	1,4-dioxane	250.000	215.086	14.0	97	-0.03	8.49
59	p	cis-1,3-dichloropropene	50.000	45.215	9.6	101	0.00	9.26
60	S	toluene-d8 (s)	50.000	53.087	-6.2	111	0.00	9.54
61	p	4-methyl-2-pentanone	50.000	52.605	-5.2	98	0.00	9.44
62	p	toluene	50.000	51.615	-3.2	105	0.00	9.62
63	p	trans-1,3-dichloropropene	50.000	46.768	6.5	108	0.00	9.91
64	p	1,1,2-trichloroethane	50.000	48.518	3.0	104	0.00	10.11
65	p	ethyl methacrylate	50.000	47.193	5.6	102	0.00	9.99
66	I	chlorobenzene-d5	50.000	50.000	0.0	104	0.00	11.07
67	p	tetrachloroethene	50.000	49.405	1.2	104	0.00	10.17
68	p	1,3-dichloropropane	50.000	48.368	3.3	102	0.00	10.28
69	p	dibromochloromethane	50.000	45.978	8.0	103	0.00	10.50
70	p	1,2-dibromoethane	50.000	50.274	-0.5	103	0.00	10.60
71	p	2-hexanone	50.000	46.344	7.3	98	0.00	10.35
72	P	chlorobenzene	50.000	46.207	7.6	101	0.00	11.10
73	p	1,1,1,2-tetrachloroethane	50.000	52.110	-4.2	106	0.00	11.20
74	p	ethylbenzene	50.000	51.666	-3.3	106	0.00	11.21
75	p	m,p-xylene	100.000	101.736	-1.7	103	0.00	11.34
76	p	o-xylene	50.000	53.808	-7.6	103	0.00	11.70
77	p	styrene	50.000	53.032	-6.1	105	0.00	11.73
78	P	bromoform	50.000	42.530	14.9	98	0.00	11.90
79	p	trans-1,4-dichloro-2-bute	50.000	38.754	22.5#	90	0.00	12.12
80	I	1,4-dichlorobenzene-d4	50.000	50.000	0.0	102	0.00	13.29
81	p	isopropylbenzene	50.000	52.824	-5.6	102	0.00	12.06
82	S	bromofluorobenzene (s)	50.000	52.641	-5.3	109	0.00	12.22
83	p	bromobenzene	50.000	50.724	-1.4	103	0.00	12.35
84	P	1,1,2,2-tetrachloroethane	50.000	51.615	-3.2	104	0.00	12.35
85	p	1,2,3-trichloropropane	50.000	54.033	-8.1	119	0.00	12.39
86	p	n-propylbenzene	50.000	51.214	-2.4	99	0.00	12.45
87	p	2-chlorotoluene	50.000	48.844	2.3	100	0.00	12.52
88	p	4-chlorotoluene	50.000	49.383	1.2	102	0.00	12.64
89	p	1,3,5-trimethylbenzene	50.000	52.642	-5.3	102	0.00	12.62
90	p	tert-butylbenzene	50.000	51.671	-3.3	102	0.00	12.90
91	p	1,2,4-trimethylbenzene	50.000	51.937	-3.9	102	0.00	12.96
92	p	sec-butylbenzene	50.000	52.653	-5.3	102	0.00	13.10
93	p	1,3-dichlorobenzene	50.000	49.552	0.9	103	0.00	13.21
94	p	p-isopropyltoluene	50.000	54.216	-8.4	104	0.00	13.25

Initial Calibration Verification

Job Number: MC27335 **Sample:** MSV978-ICV978
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** V25692.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

95	p	1,4-dichlorobenzene	50.000	48.642	2.7	104	0.00	13.31
96	p	1,2-dichlorobenzene	50.000	48.226	3.5	99	0.00	13.62
97	p	n-butylbenzene	50.000	54.064	-8.1	103	0.00	13.61
98	p	1,2-dibromo-3-chloropropa	50.000	49.079	1.8	98	0.00	14.33
99	p	1,3,5-trichlorobenzene	50.000	50.607	-1.2	101	0.00	14.49
100	p	1,2,4-trichlorobenzene	50.000	54.654	-9.3	105	0.00	15.05
101	p	hexachlorobutadiene	50.000	50.139	-0.3	105	0.00	15.17
102	p	naphthalene	50.000	47.739	4.5	99	0.00	15.28
103	p	1,2,3-trichlorobenzene	50.000	52.320	-4.6	105	0.00	15.47
104	p	2-Methylnaphthalene	25.000	24.848	0.6	126	0.00	16.28
105	p	1-Methylnaphthalene	25.000	26.413	-5.7	129	0.00	16.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
v25685.D v131124w.m Mon Nov 25 08:45:25 2013

Continuing Calibration Summary

Job Number: MC27335 **Sample:** MSV1012-CC978
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** V26694.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V131224\v26694.D Vial: 2
Acq On : 24 Dec 2013 10:01 am Operator: amym
Sample : cc978-50 Inst : MSV
Misc : MS30869,MSV1012,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\v131124w.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Nov 25 08:11:23 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	92	0.00	3.51
2	p	tertiary butyl alcohol	1.269	1.342	-5.8	97	0.00	3.63
3	p	Ethanol	0.228	0.179	21.5#	74	0.02	2.62
4	I	pentafluorobenzene	1.000	1.000	0.0	80	0.00	6.56
5	p	dichlorodifluoromethane	1.202	1.033	14.1	70	0.03	1.60
		----------	Amount	Calc.	%Drift		----------	
6	P	chloromethane	50.000	72.508	-45.0#	101	0.00	1.64
7	p	vinyl chloride	50.000	48.697	2.6	76	0.01	1.76
8	p	bromomethane	50.000	67.044	-34.1#	96	0.01	2.05
9	p	chloroethane	50.000	58.575	-17.2	87	0.00	2.16
		----------	AvgRF	CCRF	%Dev		----------	
10	p	ethyl ether	0.402	0.420	-4.5	85	0.00	2.62
11	p	acetonitrile	0.635	0.672	-5.8	81	0.00	3.31
12	p	trichlorofluoromethane	0.984	0.914	7.1	78	0.00	2.38
13	p	freon-113	0.451	0.483	-7.1	77	0.00	2.96
14	p	acrolein	0.080	0.056	30.0#	55	0.00	2.77
15	p	1,1-dichloroethene	0.455	0.473	-4.0	81	0.00	2.90
16	p	acetone	0.039	0.049#	-25.6#	93	-0.02	2.91
17	p	Methyl Acetate	0.439	0.493	-12.3	87	0.00	3.29
18	p	methylene chloride	0.517	0.512	1.0	81	0.00	3.49
19	p	methyl tert butyl ether	0.952	1.064	-11.8	87	0.00	3.83
20	p	acrylonitrile	0.152	0.165	-8.6	81	0.00	3.79
21	p	allyl chloride	0.635	0.672	-5.8	81	0.00	3.31
22	p	trans-1,2-dichloroethene	0.482	0.472	2.1	80	0.00	3.85
23	p	iodomethane	1.007	1.025	-1.8	81	0.00	3.06
24	p	carbon disulfide	1.391	1.476	-6.1	80	0.00	3.14
25	p	propionitrile	0.051	0.059	-15.7	83	0.00	5.65
26	p	vinyl acetate	1.411	1.507	-6.8	83	0.00	4.57
27	p	chloroprene	0.662	0.702	-6.0	80	0.00	4.63
28	p	di-isopropyl ether	1.306	1.382	-5.8	81	0.00	4.61
29	p	methacrylonitrile	0.253	0.284	-12.3	84	0.00	5.92
		----------	Amount	Calc.	%Drift		----------	
30	p	2-butanone	50.000	51.245	-2.5	83	0.00	5.54
		----------	AvgRF	CCRF	%Dev		----------	
31	p	Hexane	0.375	0.391	-4.3	80	0.00	4.26
32	P	1,1-dichloroethane	0.870	0.868	0.2	81	0.00	4.52
33	p	tert-butyl ethyl ether	0.872	0.981	-12.5	85	0.00	5.27

Continuing Calibration Summary

Job Number: MC27335 **Sample:** MSV1012-CC978
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** V26694.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

34	p	isobutyl alcohol	0.282	0.301	-6.7	83	0.00	4.57
35	p	2,2-dichloropropane	0.420	0.454	-8.1	87	0.00	5.55
36	p	cis-1,2-dichloroethene	0.490	0.489	0.2	80	0.00	5.54
37	p	ethyl acetate	1.367	1.507	-10.2	82	0.00	4.57
38	p	bromochloromethane	0.273	0.276	-1.1	80	0.00	5.96
39	p	chloroform	0.956	0.940	1.7	81	0.00	6.17
40	S	dibromofluoromethane (s)	0.487	0.478	1.8	78	0.00	6.44
41	p	Tetrahydrofuran	0.086	0.104	-20.9#	84	0.00	5.96
42	p	1,1,1-trichloroethane	0.721	0.734	-1.8	79	0.00	6.42
43	I	1,4-difluorobenzene	1.000	1.000	0.0	80	0.00	7.74
44	p	Cyclohexane	0.506	0.462	8.7	74	0.00	6.54
45	p	carbon tetrachloride	0.541	0.538	0.6	78	0.00	6.67
46	p	1,1-dichloropropene	0.481	0.465	3.3	80	0.00	6.68
47	p	benzene	1.284	1.250	2.6	80	0.00	7.00
48	p	1,2-dichloroethane	0.582	0.579	0.5	83	0.00	7.13
49	p	tert-amyl methyl ether	0.535	0.614	-14.8	87	0.00	7.28
50	p	heptane	0.290	0.311	-7.2	79	0.00	7.56
			Amount	Calc.	%Drift			
51	p	trichloroethene	50.000	48.562	2.9	80	0.00	8.03
			AvgRF	CCRF	%Dev			
52	p	1,2-dichloropropane	0.353	0.352	0.3	82	0.00	8.38
53	p	dibromomethane	0.247	0.248	-0.4	82	0.00	8.48
54	p	bromodichloromethane	0.498	0.521	-4.6	82	0.00	8.73
55	p	Methylcyclohexane	0.429	0.430	-0.2	74	0.00	8.34
			Amount	Calc.	%Drift			
56	p	2-chloroethyl vinyl ether	50.000	0.000	100.0#	0	0.15	9.26
			AvgRF	CCRF	%Dev			
57	p	methyl methacrylate	0.179	0.202	-12.8	84	0.00	8.51
			Amount	Calc.	%Drift			
58	p	1,4-dioxane	250.000	207.557	17.0	72	-0.02	8.50
59	p	cis-1,3-dichloropropene	50.000	48.262	3.5	83	0.00	9.26
			AvgRF	CCRF	%Dev			
60	S	toluene-d8 (s)	1.099	1.102	-0.3	80	0.00	9.55
61	p	4-methyl-2-pentanone	0.238	0.280	-17.6	84	0.00	9.44
62	p	toluene	0.795	0.804	-1.1	79	0.00	9.62
			Amount	Calc.	%Drift			
63	p	trans-1,3-dichloropropene	50.000	48.896	2.2	87	0.00	9.91
			AvgRF	CCRF	%Dev			
64	p	1,1,2-trichloroethane	0.278	0.277	0.4	82	0.00	10.12
			Amount	Calc.	%Drift			
65	p	ethyl methacrylate	50.000	49.969	0.1	83	0.00	9.99
			AvgRF	CCRF	%Dev			
66	I	chlorobenzene-d5	1.000	1.000	0.0	80	0.00	11.07
67	p	tetrachloroethene	0.852	0.817	4.1	77	0.00	10.18
68	p	1,3-dichloropropane	1.029	1.035	-0.6	81	0.00	10.28
			Amount	Calc.	%Drift			
69	p	dibromochloromethane	50.000	47.023	6.0	81	0.00	10.50

Continuing Calibration Summary

Job Number: MC27335 **Sample:** MSV1012-CC978
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** V26694.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			AvgRF	CCRF	%Dev			
70	p	1,2-dibromoethane	0.677	0.700	-3.4	81	0.00	10.61
			Amount	Calc.	%Drift			
71	p	2-hexanone	50.000	51.518	-3.0	84	0.00	10.35
			AvgRF	CCRF	%Dev			
72	P	chlorobenzene	2.193	2.075	5.4	80	0.00	11.10
73	p	1,1,1,2-tetrachloroethane	0.767	0.771	-0.5	78	0.00	11.20
74	p	ethylbenzene	3.319	3.283	1.1	78	0.00	11.21
75	p	m,p-xylene	1.297	1.289	0.6	78	0.00	11.34
76	p	o-xylene	1.236	1.297	-4.9	77	0.00	11.71
77	p	styrene	2.115	2.145	-1.4	77	0.00	11.73
			Amount	Calc.	%Drift			
78	P	bromoform	50.000	45.001	10.0	80	0.00	11.90
79	p	trans-1,4-dichloro-2-bute	50.000	35.946	28.1#	63	0.00	12.12
			AvgRF	CCRF	%Dev			
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	77	0.00	13.29
81	p	isopropylbenzene	2.878	3.058	-6.3	77	0.00	12.06
82	S	bromofluorobenzene (s)	0.829	0.824	0.6	77	0.00	12.22
83	p	bromobenzene	0.865	0.880	-1.7	78	0.00	12.35
84	P	1,1,2,2-tetrachloroethane	0.700	0.743	-6.1	81	0.00	12.35
85	p	1,2,3-trichloropropane	0.743	0.822	-10.6	91	0.00	12.39
86	p	n-propylbenzene	3.296	3.489	-5.9	76	0.00	12.45
87	p	2-chlorotoluene	2.202	2.230	-1.3	78	0.00	12.53
88	p	4-chlorotoluene	2.595	2.601	-0.2	78	0.00	12.64
89	p	1,3,5-trimethylbenzene	2.514	2.661	-5.8	77	0.00	12.62
90	p	tert-butylbenzene	1.429	1.527	-6.9	79	0.00	12.90
91	p	1,2,4-trimethylbenzene	2.572	2.695	-4.8	77	0.00	12.96
92	p	sec-butylbenzene	2.984	3.144	-5.4	77	0.00	13.10
93	p	1,3-dichlorobenzene	1.664	1.623	2.5	76	0.00	13.21
94	p	p-isopropyltoluene	2.513	2.684	-6.8	77	0.00	13.25
95	p	1,4-dichlorobenzene	1.721	1.638	4.8	76	0.00	13.31
96	p	1,2-dichlorobenzene	1.637	1.623	0.9	76	0.00	13.63
97	p	n-butylbenzene	2.147	2.295	-6.9	76	0.00	13.61
98	p	1,2-dibromo-3-chloropropa	0.107	0.120	-12.1	84	0.00	14.33
99	p	1,3,5-trichlorobenzene	1.137	1.096	3.6	72	0.00	14.49
100	p	1,2,4-trichlorobenzene	0.990	1.028	-3.8	75	0.00	15.05
101	p	hexachlorobutadiene	0.449	0.428	4.7	75	0.00	15.17
			Amount	Calc.	%Drift			
102	p	naphthalene	50.000	47.692	4.6	74	0.00	15.28
			AvgRF	CCRF	%Dev			
103	p	1,2,3-trichlorobenzene	0.911	0.893	2.0	74	0.00	15.47
			Amount	Calc.	%Drift			
104	p	2-Methylnaphthalene	25.000	19.631	21.5#	75	0.00	16.28
105	p	1-Methylnaphthalene	25.000	22.994	8.0	85	0.00	16.45

(#) = Out of Range SPCC's out = 1 CCC's out = 0
v25685.D v131124w.m Thu Dec 26 08:26:03 2013

New England ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26718.D
Acq On : 24 Dec 2013 8:36 pm
Operator : amym
Sample : mc27335-1
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 26 08:41:04 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

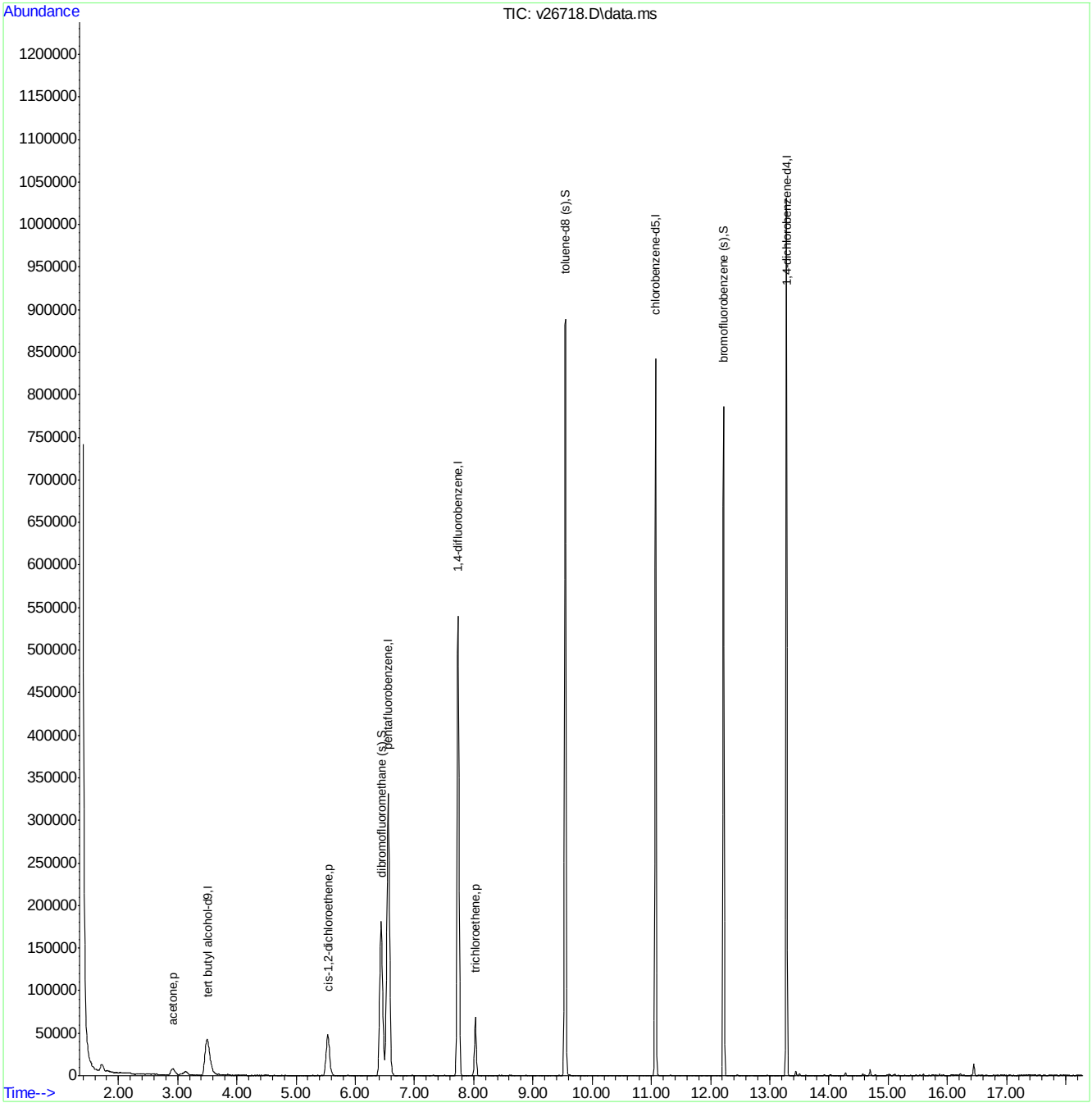
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.516	65	121431	500.00	ug/L	# 0.00
4) pentafluorobenzene	6.558	168	390867	50.00	ug/L	0.00
43) 1,4-difluorobenzene	7.737	114	524695	50.00	ug/L	0.00
66) chlorobenzene-d5	11.072	82	225171	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	13.284	152	242204	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	6.439	113	198408	52.07	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.14%			
60) toluene-d8 (s)	9.546	98	569441	49.38	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.76%			
82) bromofluorobenzene (s)	12.221	95	202856	50.49	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.98%			
Target Compounds						Qvalue
7) vinyl chloride	1.740	62	2982	Below Cal	#	1
16) acetone	2.924	58	7442	24.35	ug/L #	85
36) cis-1,2-dichloroethene	5.539	96	44718	11.67	ug/L	97
51) trichloroethene	8.028	95	27670	7.97	ug/L	93
105) 1-Methylnaphthalene	16.447	142	7554	Below Cal		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

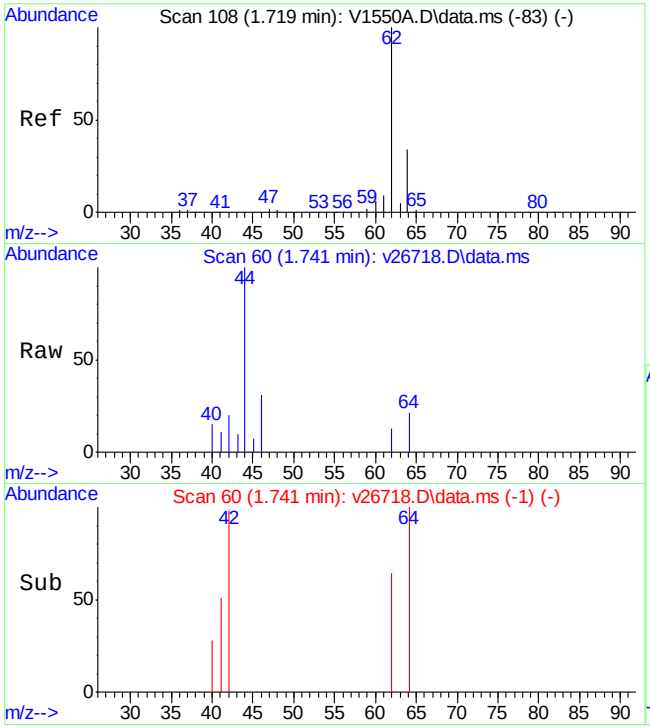
Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26718.D
Acq On : 24 Dec 2013 8:36 pm
Operator : amym
Sample : mc27335-1
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 26 08:41:04 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration



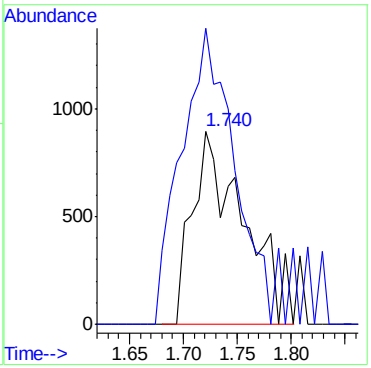
ACCUTEST LABORATORIES MC27335

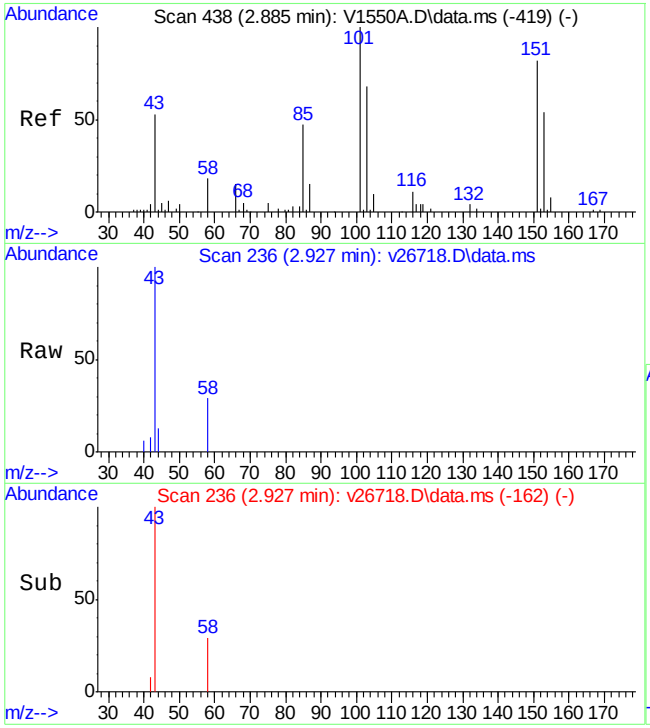


#7
vinyl chloride
Concen: Below Cal
RT: 1.740 min Scan# 60
Delta R.T. -0.007 min
Lab File: v26718.D
Acq: 24 Dec 2013 8:36 pm

Tgt Ion: 62 Resp: 2982

Ion	Ratio	Lower	Upper
62	100		
64	102.2	2.2	62.2#

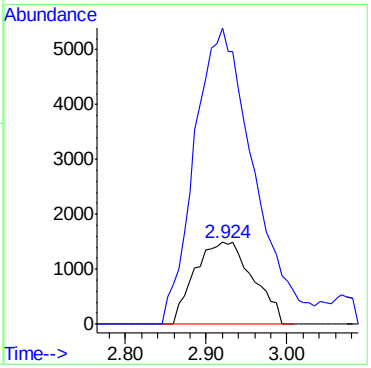


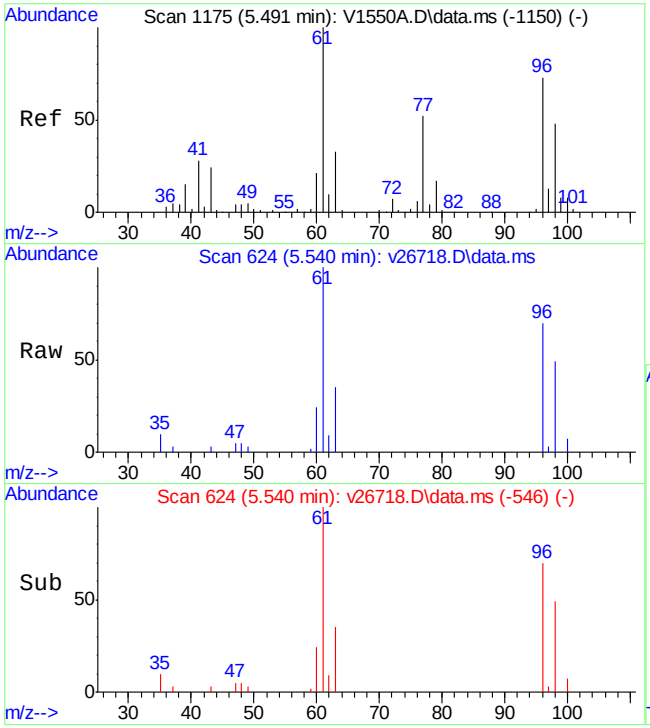


#16
acetone
Concen: 24.35 ug/L
RT: 2.924 min Scan# 236
Delta R.T. -0.005 min
Lab File: v26718.D
Acq: 24 Dec 2013 8:36 pm

Tgt Ion: 58 Resp: 7442

Ion	Ratio	Lower	Upper
58	100		
43	340.9	280.0	340.0#

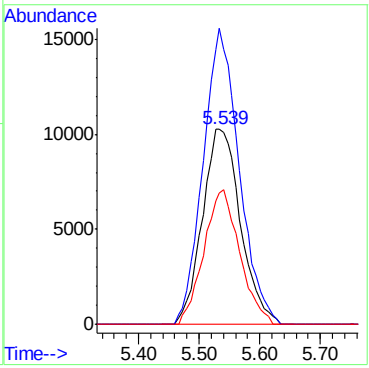


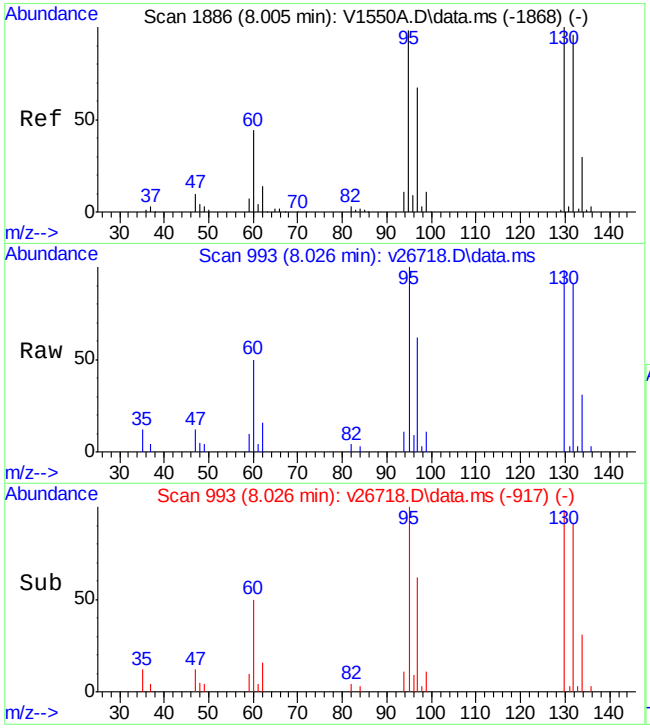


#36
cis-1,2-dichloroethene
Concen: 11.67 ug/L
RT: 5.539 min Scan# 624
Delta R.T. -0.004 min
Lab File: v26718.D
Acq: 24 Dec 2013 8:36 pm

Tgt Ion: 96 Resp: 44718

Ion	Ratio	Lower	Upper
96	100		
61	143.3	112.2	172.2
98	70.1	33.6	93.6

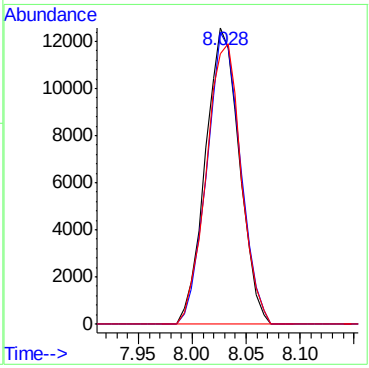


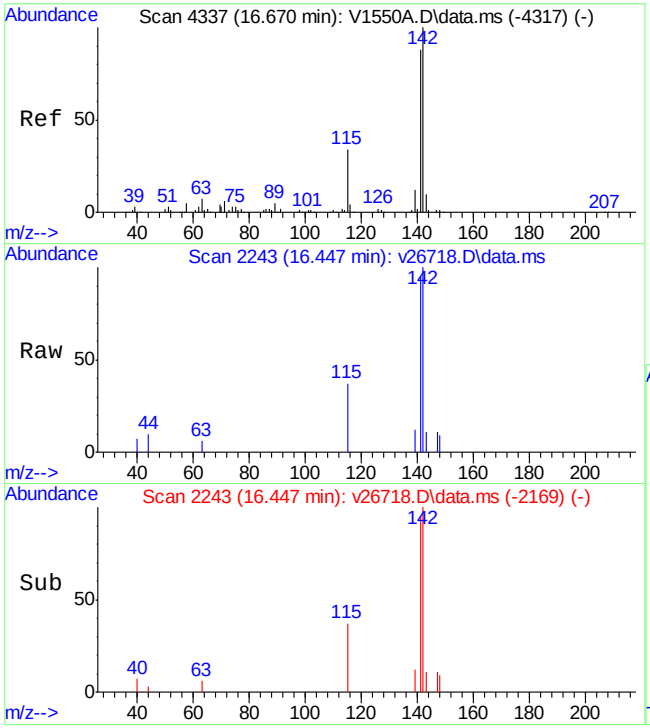


#51
trichloroethene
Concen: 7.97 ug/L
RT: 8.028 min Scan# 993
Delta R.T. -0.004 min
Lab File: v26718.D
Acq: 24 Dec 2013 8:36 pm

Tgt Ion: 95 Resp: 27670

Ion	Ratio	Lower	Upper
95	100		
130	98.3	74.4	134.4
132	91.2	69.6	129.6

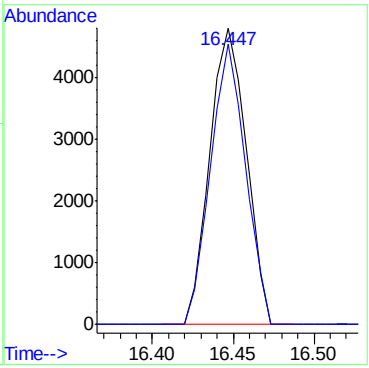




#105
1-Methylnaphthalene
Concen: Below Cal
RT: 16.447 min Scan# 2243
Delta R.T. -0.004 min
Lab File: v26718.D
Acq: 24 Dec 2013 8:36 pm

Tgt Ion:142 Resp: 7554

Ion	Ratio	Lower	Upper
142	100		
141	90.5	69.4	109.4



7.1.1
7

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26718.D
Acq On : 24 Dec 2013 8:36 pm
Operator : amym
Sample : mc27335-1
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\v131124w.m
Title : SW-846 Method 8260

Signal : TIC: v26718.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.924	223	236	249	rVV	7550	37024	2.43%	0.413%
2	3.137	251	267	299	rVB3	4799	31086	2.04%	0.347%
3	3.520	303	324	367	rVV4	42624	267380	17.56%	2.983%
4	3.848	367	373	379	rVB2	1789	5899	0.39%	0.066%
5	3.992	389	394	399	rBB2	768	1712	0.11%	0.019%
6	4.106	399	411	425	rBB	799	4785	0.31%	0.053%
7	4.296	435	439	443	rBB	727	1105	0.07%	0.012%
8	4.381	443	452	459	rBV	673	2173	0.14%	0.024%
9	4.465	459	464	471	rVB2	792	1831	0.12%	0.020%
10	4.735	499	504	509	rBB	634	1061	0.07%	0.012%
11	5.538	605	624	645	rBB2	48795	199673	13.11%	2.228%
12	6.438	739	757	765	rBV2	181449	635850	41.76%	7.094%
13	6.556	765	775	799	rVB	331697	1086830	71.37%	12.125%
14	7.736	935	950	965	rBB	539562	1224072	80.38%	13.657%
15	8.028	979	993	1003	rBB	68904	147562	9.69%	1.646%
16	9.435	1197	1202	1207	rBB	1125	1079	0.07%	0.012%
17	9.546	1207	1219	1245	rBB	889222	1522769	100.00%	16.989%
18	11.072	1437	1445	1459	rBB	842632	1225740	80.49%	13.675%
19	12.221	1603	1616	1629	rBB	785754	1043422	68.52%	11.641%
20	12.447	1645	1649	1653	rBB	1377	1545	0.10%	0.017%
21	12.928	1711	1721	1729	rBB	708	1963	0.13%	0.022%
22	13.053	1731	1739	1747	rBB	468	2272	0.15%	0.025%
23	13.150	1747	1754	1761	rBB	428	1371	0.09%	0.015%
24	13.283	1763	1773	1789	rBB	1031378	1422809	93.44%	15.874%
25	13.441	1789	1797	1801	rBV2	5481	7716	0.51%	0.086%
26	13.511	1801	1807	1817	rVB2	2520	4750	0.31%	0.053%
27	13.606	1817	1821	1825	rBB	673	1162	0.08%	0.013%
28	13.702	1829	1836	1843	rBB	399	1639	0.11%	0.018%
29	13.834	1847	1855	1863	rBV	501	2079	0.14%	0.023%
30	14.032	1879	1885	1893	rVB	1311	2814	0.18%	0.031%
31	14.167	1893	1905	1915	rBV	525	3522	0.23%	0.039%
32	14.317	1915	1927	1957	rVV	3350	7142	0.47%	0.080%
33	14.577	1957	1966	1977	rVV	2133	3368	0.22%	0.038%
34	14.697	1977	1983	1991	rVB2	6929	9260	0.61%	0.103%

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26718.D
Acq On : 24 Dec 2013 8:36 pm
Operator : amym
Sample : mc27335-1
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\v131124w.m
Title : SW-846 Method 8260

35	15.005	2019	2029	2037	rVB3	1360	3759	0.25%	0.042%
36	15.130	2037	2048	2065	rVB2	1936	3963	0.26%	0.044%
37	15.326	2065	2077	2091	rBV	756	1992	0.13%	0.022%
38	15.611	2111	2119	2137	rVB2	1335	1970	0.13%	0.022%
39	15.766	2137	2142	2153	rBV2	868	1756	0.12%	0.020%
40	15.869	2153	2157	2163	rVB2	1756	1658	0.11%	0.018%
41	16.042	2163	2183	2203	rBV	988	4126	0.27%	0.046%
42	16.216	2203	2209	2215	rVB	2065	2452	0.16%	0.027%
43	16.449	2237	2243	2259	rBV2	13864	22002	1.44%	0.245%
44	17.426	2357	2388	2429	rBV	528	5087	0.33%	0.057%

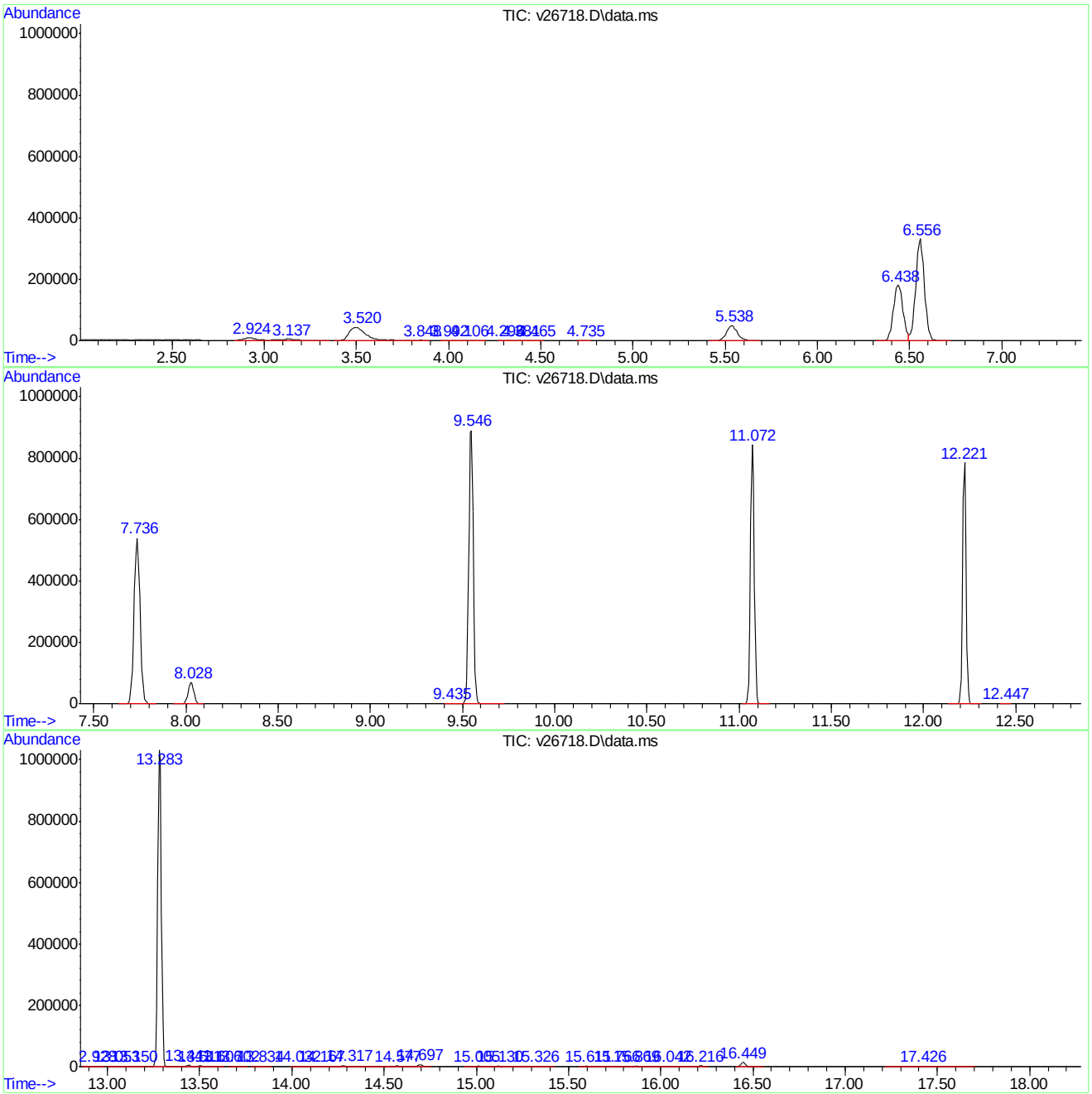
Sum of corrected areas: 8963230

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26718.D
Acq On : 24 Dec 2013 8:36 pm
Operator : amym
Sample : mc27335-1
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26718.D
Acq On : 24 Dec 2013 8:36 pm
Operator : amym
Sample : mc27335-1
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26718.D
Acq On : 24 Dec 2013 8:36 pm
Operator : amym
Sample : mc27335-1
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26717.D
Acq On : 24 Dec 2013 8:09 pm
Operator : amym
Sample : mc27335-2
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 26 08:39:58 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

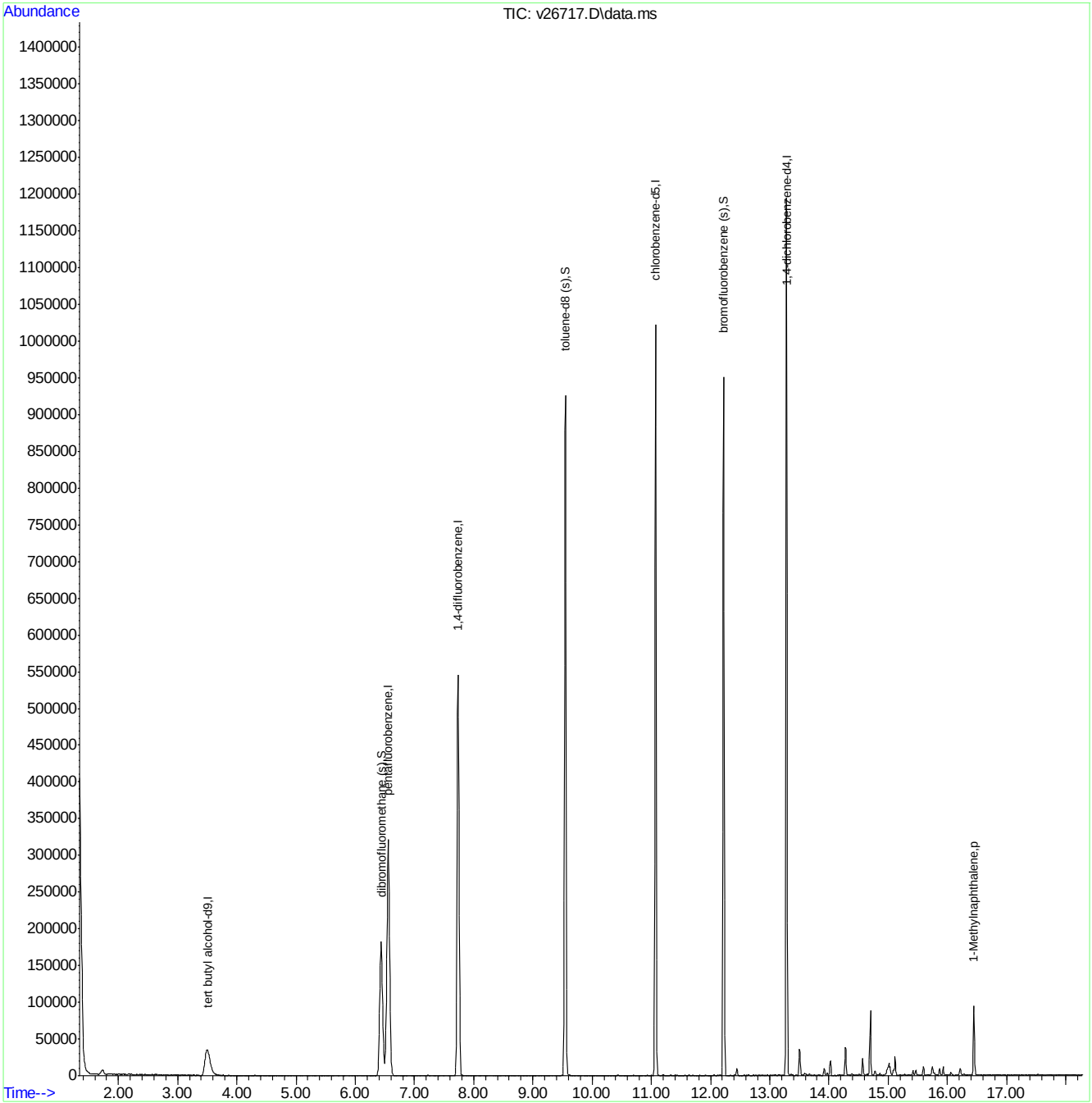
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.515	65	103587	500.00	ug/L	# 0.00
4) pentafluorobenzene	6.558	168	379204	50.00	ug/L	0.00
43) 1,4-difluorobenzene	7.737	114	523705	50.00	ug/L	0.00
66) chlorobenzene-d5	11.072	82	270810	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	13.285	152	278974	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	6.439	113	194113	52.51	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.02%			
60) toluene-d8 (s)	9.547	98	577926	50.21	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.42%			
82) bromofluorobenzene (s)	12.222	95	241070	52.09	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.18%			
Target Compounds						Qvalue
102) naphthalene	15.279	128	1698	Below Cal		100
105) 1-Methylnaphthalene	16.448	142	38841	7.96	ug/L	99

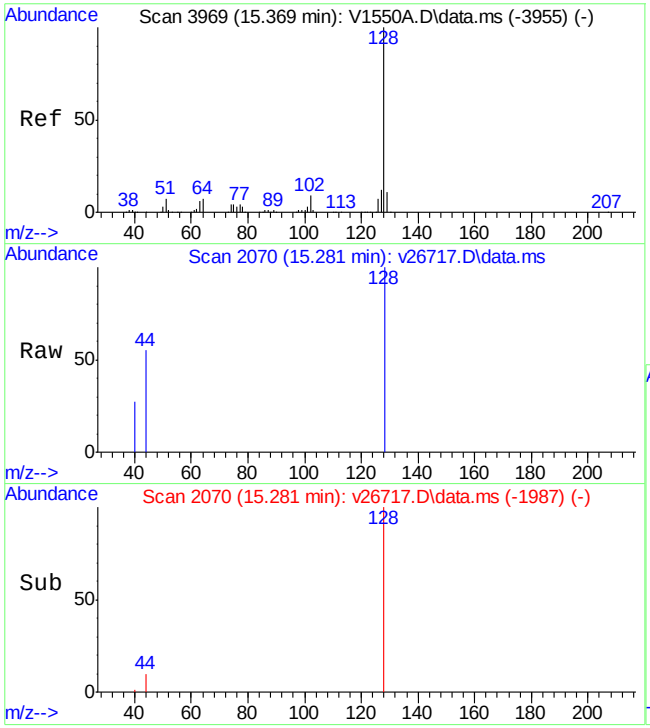
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26717.D
Acq On : 24 Dec 2013 8:09 pm
Operator : amym
Sample : mc27335-2
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

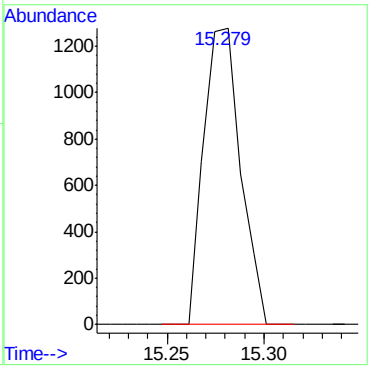
Quant Time: Dec 26 08:39:58 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

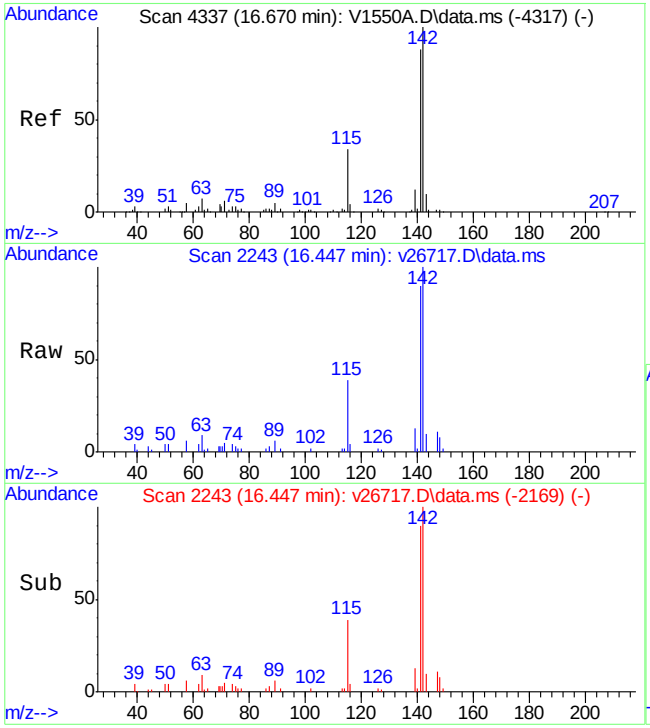




#102
naphthalene
Concen: Below Cal
RT: 15.279 min Scan# 2070
Delta R.T. -0.005 min
Lab File: v26717.D
Acq: 24 Dec 2013 8:09 pm

Tgt Ion:128 Resp: 1698

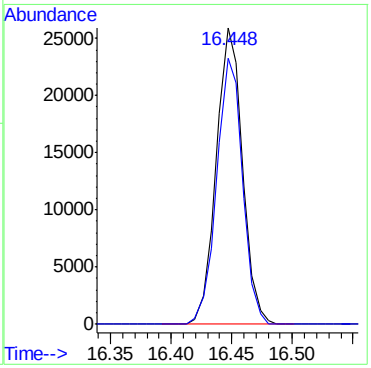




#105
1-Methylnaphthalene
Concen: 7.96 ug/L
RT: 16.448 min Scan# 2243
Delta R.T. -0.003 min
Lab File: v26717.D
Acq: 24 Dec 2013 8:09 pm

Tgt Ion:142 Resp: 38841

Ion	Ratio	Lower	Upper
142	100		
141	88.6	69.4	109.4



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26717.D
Acq On : 24 Dec 2013 8:09 pm
Operator : amym
Sample : mc27335-2
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\v131124w.m
Title : SW-846 Method 8260

Signal : TIC: v26717.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.929	225	236	251	rVB3	1025	4555	0.27%	0.046%
2	3.163	263	271	283	rBV2	513	1883	0.11%	0.019%
3	3.517	303	324	363	rBB4	35341	229925	13.73%	2.329%
4	3.840	365	372	379	rVB2	743	2360	0.14%	0.024%
5	3.967	379	390	401	rBB	664	2674	0.16%	0.027%
6	4.145	413	417	421	rBB	692	1080	0.06%	0.011%
7	4.212	423	427	431	rBB	694	1266	0.08%	0.013%
8	4.321	439	443	447	rBB	687	1480	0.09%	0.015%
9	4.385	447	453	459	rBB	671	1079	0.06%	0.011%
10	6.438	737	757	765	rBV	182656	626173	37.39%	6.342%
11	6.556	765	775	791	rVB	321345	1050791	62.75%	10.643%
12	7.737	937	950	967	rBB	545999	1220797	72.90%	12.365%
13	9.007	1133	1139	1145	rBB	385	1210	0.07%	0.012%
14	9.221	1161	1170	1179	rBB	368	1184	0.07%	0.012%
15	9.546	1207	1219	1235	rBB	926010	1557272	92.99%	15.773%
16	9.889	1265	1269	1275	rBB	640	1274	0.08%	0.013%
17	10.136	1301	1306	1311	rBB	699	1306	0.08%	0.013%
18	10.235	1313	1321	1329	rBB	675	1588	0.09%	0.016%
19	10.475	1345	1356	1371	rBB	712	3387	0.20%	0.034%
20	10.709	1387	1391	1395	rBB	753	1127	0.07%	0.011%
21	10.775	1395	1401	1409	rBB	636	1454	0.09%	0.015%
22	10.929	1415	1424	1433	rBB	769	2574	0.15%	0.026%
23	11.073	1433	1445	1459	rBB	1022775	1468991	87.72%	14.879%
24	11.203	1459	1465	1471	rBB2	1785	3078	0.18%	0.031%
25	11.632	1523	1528	1535	rVB	833	1888	0.11%	0.019%
26	11.786	1535	1551	1567	rBV	728	5686	0.34%	0.058%
27	12.053	1583	1591	1599	rVB2	1348	2288	0.14%	0.023%
28	12.222	1609	1616	1631	rBV	950501	1245777	74.39%	12.618%
29	12.440	1637	1648	1655	rBV	9358	13233	0.79%	0.134%
30	12.647	1675	1679	1689	rBV2	1306	1528	0.09%	0.015%
31	13.065	1731	1741	1749	rBV	1164	4877	0.29%	0.049%
32	13.154	1749	1754	1761	rVV3	1673	3247	0.19%	0.033%
33	13.284	1761	1774	1781	rVV	1195172	1674598	100.00%	16.962%
34	13.377	1781	1787	1797	rVV2	2134	5060	0.30%	0.051%

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26717.D
Acq On : 24 Dec 2013 8:09 pm
Operator : amym
Sample : mc27335-2
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\v131124w.m
Title : SW-846 Method 8260

35	13.505	1797	1806	1815	rVV2	35496	54874	3.28%	0.556%
36	13.595	1815	1820	1825	rVV2	3611	6992	0.42%	0.071%
37	13.678	1829	1832	1839	rVV	1946	2916	0.17%	0.030%
38	13.756	1839	1844	1851	rVB2	1236	1968	0.12%	0.020%
39	13.920	1861	1868	1873	rBV	9411	11286	0.67%	0.114%
40	13.970	1873	1875	1879	rVB	2902	3887	0.23%	0.039%
41	14.026	1879	1884	1903	rVB	19679	27877	1.66%	0.282%
42	14.180	1903	1907	1911	rBV	713	1020	0.06%	0.010%
43	14.280	1911	1921	1933	rBV	38089	51426	3.07%	0.521%
44	14.389	1933	1938	1943	rVB2	1856	3445	0.21%	0.035%
45	14.465	1945	1949	1953	rVB	790	1120	0.07%	0.011%
46	14.565	1953	1964	1971	rVB	23702	33655	2.01%	0.341%
47	14.697	1971	1983	1991	rBV2	88761	136188	8.13%	1.379%
48	14.780	1991	1996	2001	rVV3	5952	9323	0.56%	0.094%
49	14.854	2001	2007	2015	rVV2	2878	3610	0.22%	0.037%
50	15.007	2015	2029	2037	rVV4	16569	52332	3.13%	0.530%
51	15.111	2037	2045	2055	rVB3	25450	44326	2.65%	0.449%
52	15.202	2055	2058	2063	rBV2	692	1085	0.06%	0.011%
53	15.273	2063	2069	2075	rBV2	1803	3747	0.22%	0.038%
54	15.351	2075	2080	2083	rVV2	887	1457	0.09%	0.015%
55	15.418	2083	2090	2093	rVV3	6519	8804	0.53%	0.089%
56	15.471	2093	2098	2111	rVV	7563	11501	0.69%	0.116%
57	15.596	2111	2117	2123	rVB	11925	15185	0.91%	0.154%
58	15.758	2133	2141	2153	rVB	12485	23909	1.43%	0.242%
59	15.871	2153	2158	2163	rBV	9531	12320	0.74%	0.125%
60	15.938	2163	2168	2181	rVV	12001	17321	1.03%	0.175%
61	16.071	2181	2187	2201	rVB2	4343	6549	0.39%	0.066%
62	16.216	2201	2209	2215	rBV	9153	14843	0.89%	0.150%
63	16.296	2215	2221	2231	rVV2	1821	4173	0.25%	0.042%
64	16.464	2235	2246	2313	rVB2	94641	150074	8.96%	1.520%
65	16.979	2313	2322	2333	rBV2	855	3154	0.19%	0.032%
66	17.674	2401	2425	2467	rVB2	1230	5868	0.35%	0.059%

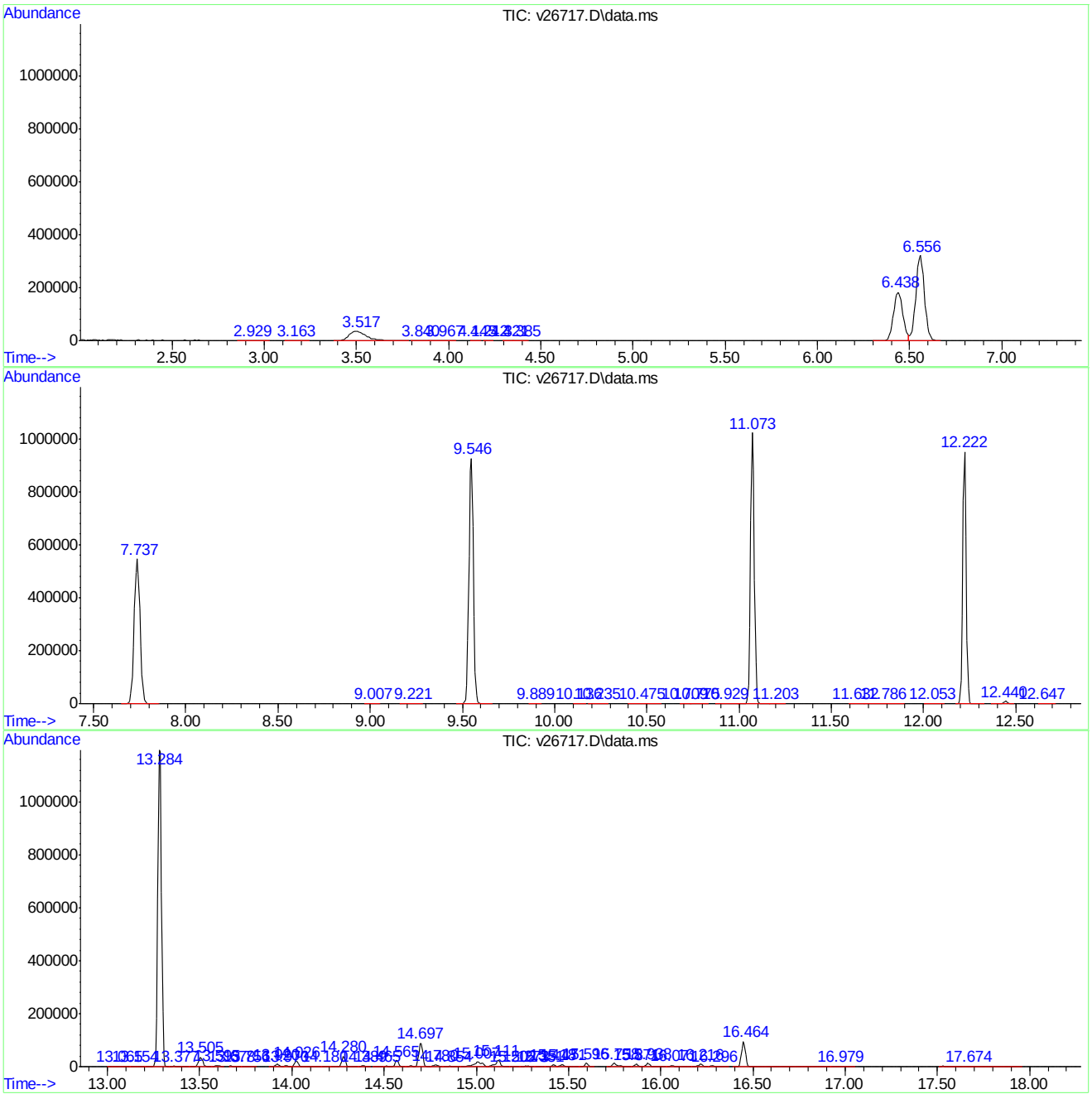
Sum of corrected areas: 9872925

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26717.D
Acq On : 24 Dec 2013 8:09 pm
Operator : amym
Sample : mc27335-2
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26717.D
Acq On : 24 Dec 2013 8:09 pm
Operator : amym
Sample : mc27335-2
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260

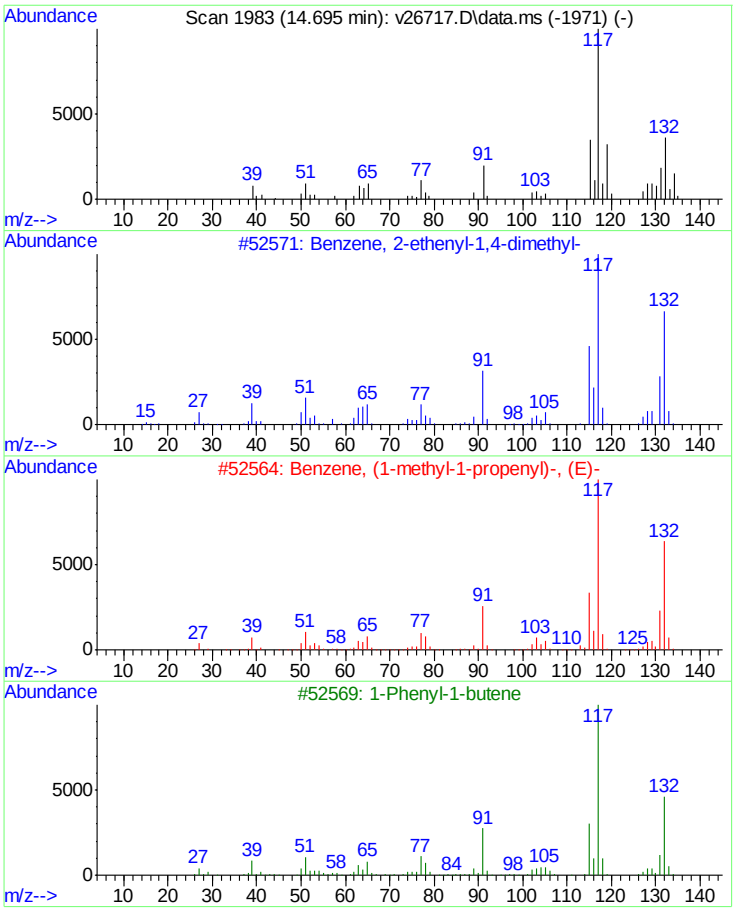
TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P

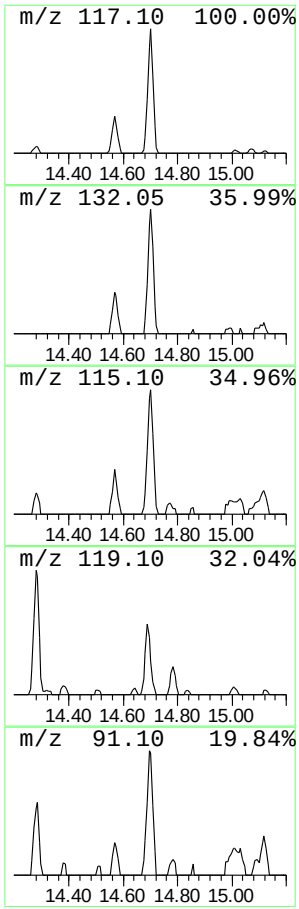
****

Peak Number 1 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.697	4.07 ug/L	136188	1,4-dichlorobenzene-d4	13.285

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	81
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	81
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	81





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26717.D
Acq On : 24 Dec 2013 8:09 pm
Operator : amym
Sample : mc27335-2
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 2-ethe...	14.697	4.1	ug/L	136188	5	13.285	1674600	50.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26699.D
Acq On : 24 Dec 2013 12:12 pm
Operator : amym
Sample : mb
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 26 08:27:31 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

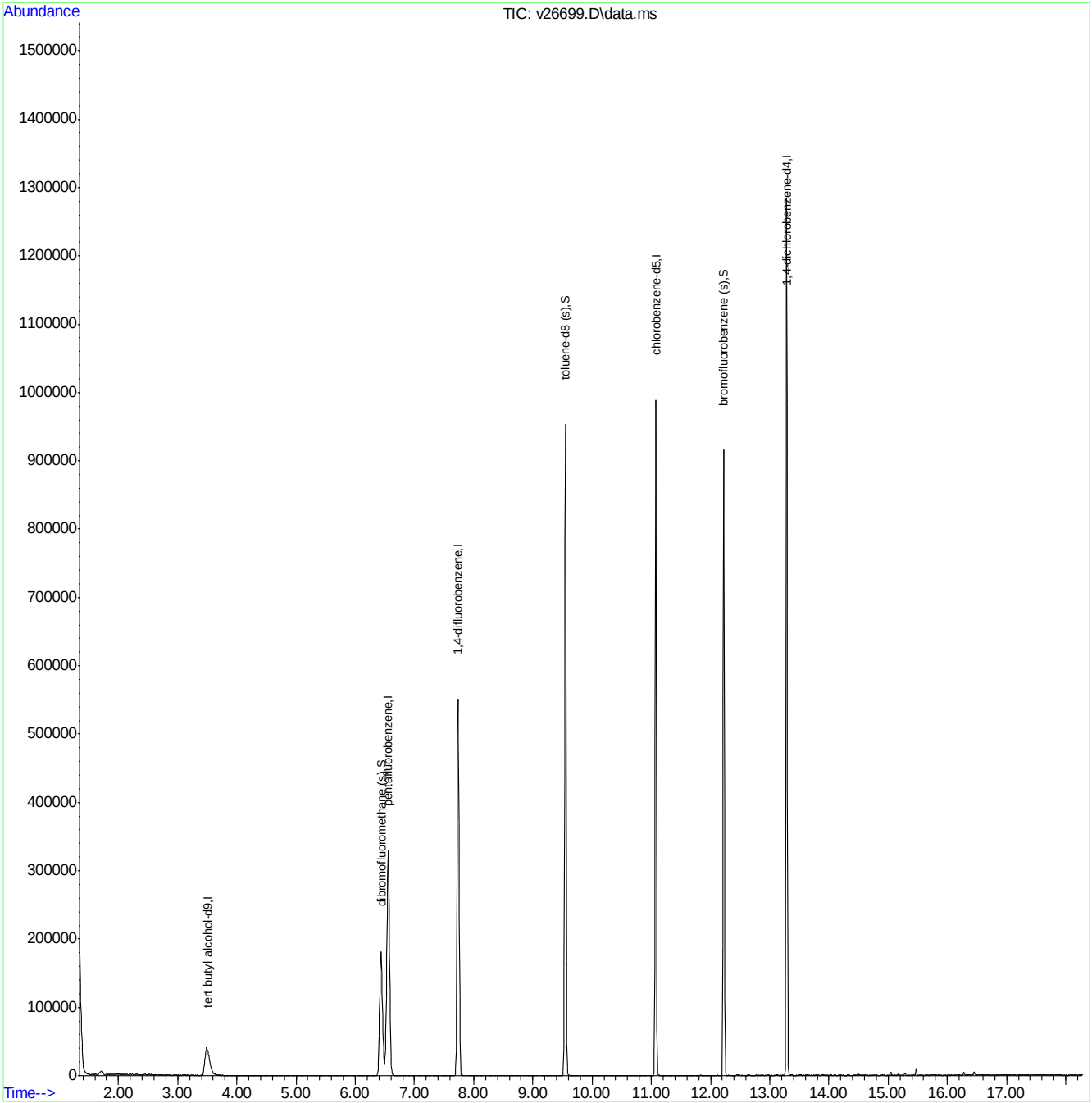
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.511	65	109287	500.00	ug/L	# 0.00
4) pentafluorobenzene	6.557	168	391986	50.00	ug/L	0.00
43) 1,4-difluorobenzene	7.738	114	529190	50.00	ug/L	0.00
66) chlorobenzene-d5	11.075	82	264923	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	13.288	152	282539	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	6.438	113	193452	50.63	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.26%			
60) toluene-d8 (s)	9.549	98	583612	50.18	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.36%			
82) bromofluorobenzene (s)	12.224	95	241172	51.46	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.92%			
Target Compounds						Qvalue
102) naphthalene	15.283	128	3331	Below Cal		100
105) 1-Methylnaphthalene	16.451	142	3474	Below Cal		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

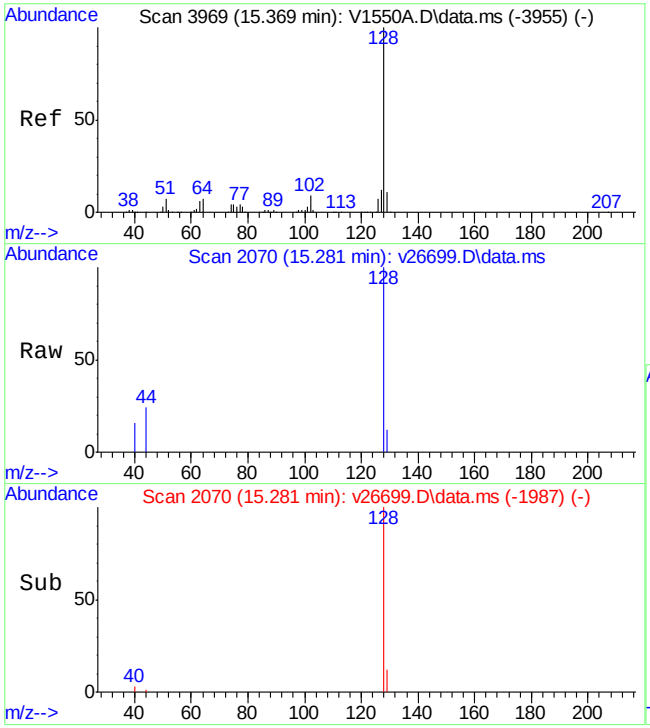
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26699.D
Acq On : 24 Dec 2013 12:12 pm
Operator : amym
Sample : mb
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 26 08:27:31 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

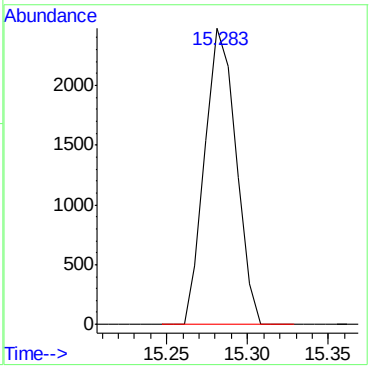


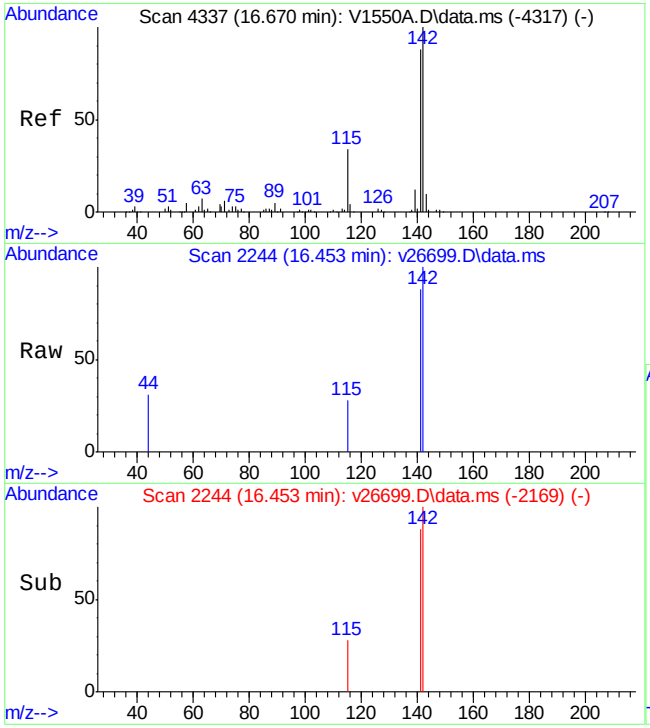
ACCUTEST LABORATORIES MC27335



#102
naphthalene
Concen: Below Cal
RT: 15.283 min Scan# 2070
Delta R.T. -0.001 min
Lab File: v26699.D
Acq: 24 Dec 2013 12:12 pm

Tgt Ion:128 Resp: 3331

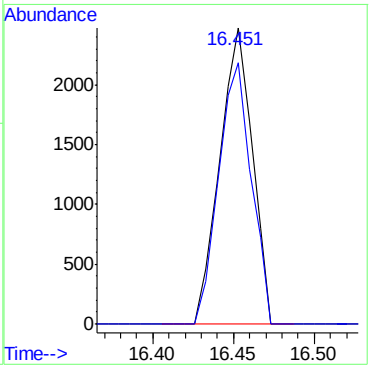




#105
1-Methylnaphthalene
Concen: Below Cal
RT: 16.451 min Scan# 2244
Delta R.T. 0.000 min
Lab File: v26699.D
Acq: 24 Dec 2013 12:12 pm

Tgt Ion:142 Resp: 3474

Ion	Ratio	Lower	Upper
142	100		
141	88.6	69.4	109.4



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26699.D
Acq On : 24 Dec 2013 12:12 pm
Operator : amym
Sample : mb
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\v131124w.m
Title : SW-846 Method 8260

Signal : TIC: v26699.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.354	293	300	305	rVB	445	1196	0.07%	0.013%
2	3.511	305	323	357	rVB2	41035	233730	13.93%	2.548%
3	3.910	377	382	387	rBB2	764	1549	0.09%	0.017%
4	3.984	387	393	399	rBB	725	2326	0.14%	0.025%
5	4.063	399	405	409	rBV	695	1389	0.08%	0.015%
6	4.196	419	425	431	rBV2	710	2373	0.14%	0.026%
7	4.358	443	448	455	rVB	667	1248	0.07%	0.014%
8	4.648	487	492	497	rBB	618	1061	0.06%	0.012%
9	4.815	509	516	523	rBB2	692	1214	0.07%	0.013%
10	4.994	535	543	549	rBB2	691	1341	0.08%	0.015%
11	6.077	695	704	711	rBB	371	1044	0.06%	0.011%
12	6.437	741	757	765	rBV	182074	618677	36.88%	6.744%
13	6.555	765	775	797	rVB	329791	1073840	64.02%	11.705%
14	7.737	939	950	965	rBB	551421	1221347	72.81%	13.313%
15	8.957	1125	1131	1139	rBB	375	1228	0.07%	0.013%
16	9.298	1173	1182	1189	rBB	649	1079	0.06%	0.012%
17	9.549	1209	1219	1237	rBB	953381	1544594	92.08%	16.836%
18	9.934	1267	1276	1285	rBB	658	1474	0.09%	0.016%
19	10.060	1287	1295	1301	rBV	693	1596	0.10%	0.017%
20	10.162	1307	1310	1315	rVB	686	1000	0.06%	0.011%
21	10.381	1335	1343	1349	rBV2	685	1768	0.11%	0.019%
22	10.553	1363	1368	1375	rBB	688	1384	0.08%	0.015%
23	10.636	1375	1380	1387	rBB	732	1889	0.11%	0.021%
24	10.744	1391	1397	1401	rBV	728	1152	0.07%	0.013%
25	11.076	1435	1446	1457	rBB	989324	1447803	86.31%	15.781%
26	11.270	1457	1475	1491	rBV	735	5289	0.32%	0.058%
27	11.491	1503	1507	1513	rVB	695	1718	0.10%	0.019%
28	11.756	1537	1547	1557	rVB	760	3146	0.19%	0.034%
29	11.862	1557	1563	1569	rBV	748	2510	0.15%	0.027%
30	12.105	1591	1599	1607	rBV	459	1044	0.06%	0.011%
31	12.225	1607	1616	1635	rVV	915944	1231434	73.41%	13.423%
32	12.507	1645	1658	1675	rBV	826	3239	0.19%	0.035%
33	12.662	1675	1681	1693	rVB2	497	1049	0.06%	0.011%
34	12.800	1693	1702	1711	rBV2	403	1612	0.10%	0.018%

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26699.D
Acq On : 24 Dec 2013 12:12 pm
Operator : amym
Sample : mb
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\v131124w.m
Title : SW-846 Method 8260

35	13.122	1745	1750	1757	rBV	729	1269	0.08%	0.014%
36	13.213	1757	1763	1767	rVV	695	1001	0.06%	0.011%
37	13.288	1767	1774	1801	rVV	1284550	1677470	100.00%	18.285%
38	13.521	1803	1809	1819	rVB2	741	1804	0.11%	0.020%
39	13.659	1819	1829	1845	rBV2	930	2538	0.15%	0.028%
40	13.808	1845	1851	1859	rBV2	484	1387	0.08%	0.015%
41	14.208	1903	1911	1925	rVB2	544	1459	0.09%	0.016%
42	14.494	1945	1953	1963	rVB3	2006	4497	0.27%	0.049%
43	14.599	1963	1969	1975	rBV2	517	1297	0.08%	0.014%
44	14.932	2007	2018	2031	rVB	524	2546	0.15%	0.028%
45	15.058	2031	2037	2049	rBV3	4383	6545	0.39%	0.071%
46	15.170	2049	2054	2059	rVV	2211	3026	0.18%	0.033%
47	15.308	2059	2074	2093	rVV	3198	6604	0.39%	0.072%
48	15.479	2093	2099	2119	rVV	10353	14369	0.86%	0.157%
49	15.654	2119	2125	2133	rVB2	636	1910	0.11%	0.021%
50	15.785	2133	2145	2157	rBV2	620	3895	0.23%	0.042%
51	16.189	2199	2205	2211	rBV	429	1360	0.08%	0.015%
52	16.294	2211	2220	2237	rVV2	4277	8113	0.48%	0.088%
53	16.539	2237	2257	2309	rVV2	5351	14661	0.87%	0.160%

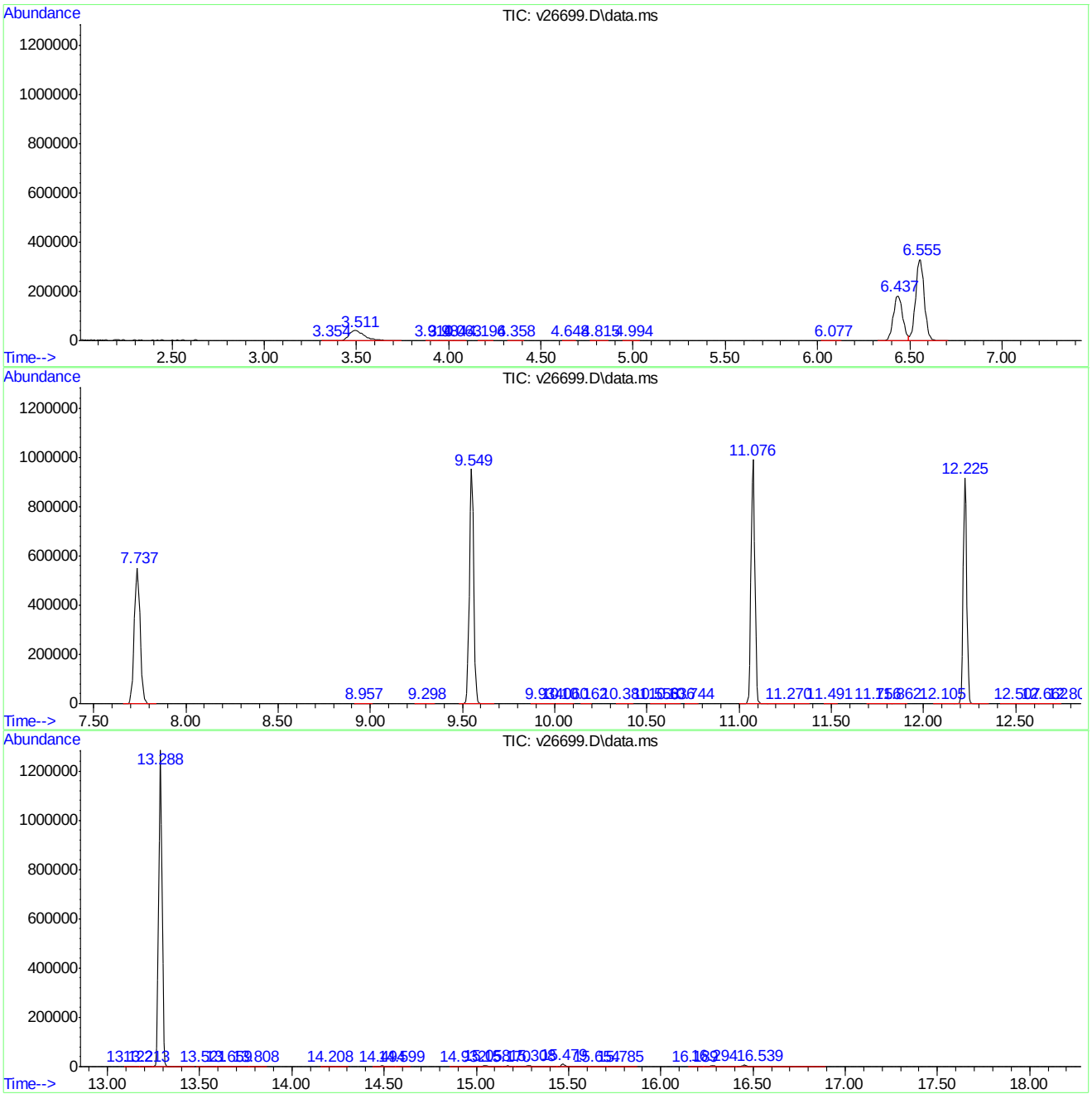
Sum of corrected areas: 9174094

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26699.D
Acq On : 24 Dec 2013 12:12 pm
Operator : amym
Sample : mb
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26699.D
Acq On : 24 Dec 2013 12:12 pm
Operator : amym
Sample : mb
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26699.D
Acq On : 24 Dec 2013 12:12 pm
Operator : amym
Sample : mb
Misc : MS30877,MSV1012,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/26/13 09:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26695.D
Acq On : 24 Dec 2013 10:27 am
Operator : amym
Sample : bs
Misc : MS30869,MSV1012,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 26 08:24:18 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.504	65	123730	500.00	ug/L		-0.01
4) pentafluorobenzene	6.553	168	452394	50.00	ug/L		0.00
43) 1,4-difluorobenzene	7.735	114	595960	50.00	ug/L		0.00
66) chlorobenzene-d5	11.073	82	300758	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.286	152	337249	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	6.435	113	216105	49.00	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.00%				
60) toluene-d8 (s)	9.546	98	662118	50.55	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.10%				
82) bromofluorobenzene (s)	12.222	95	278936	49.86	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.72%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.614	59	166110	528.97	ug/L		87
3) Ethanol	2.617	45	203604	3609.00	ug/L	#	100
5) dichlorodifluoromethane	1.586	85	421820m	38.79	ug/L		
6) chloromethane	1.640	50	337029	67.44	ug/L		95
7) vinyl chloride	1.747	62	265264	46.91	ug/L		99
8) bromomethane	2.041	96	202829	63.59	ug/L		96
9) chloroethane	2.145	64	148677	66.19	ug/L		99
10) ethyl ether	2.609	59	189508	52.14	ug/L		95
11) acetonitrile	3.300	41	300630	52.34	ug/L		96
12) trichlorofluoromethane	2.365	101	435608	48.93	ug/L		100
13) freon-113	2.950	101	227025	55.58	ug/L		97
14) acrolein	2.766	56	35452	48.72	ug/L		91
15) 1,1-dichloroethene	2.891	96	219444	53.25	ug/L		95
16) acetone	2.909	58	19153	54.14	ug/L		91
17) Methyl Acetate	3.280	43	159534	40.18	ug/L		100
18) methylene chloride	3.477	84	231215	49.39	ug/L		93
19) methyl tert butyl ether	3.824	73	475076	55.17	ug/L		97
20) acrylonitrile	3.777	53	131632	95.99	ug/L		92
21) allyl chloride	3.300	41	300630	52.35	ug/L		98
22) trans-1,2-dichloroethene	3.842	96	220227	50.50	ug/L		93
23) iodomethane	3.051	142	451170	49.53	ug/L		99
24) carbon disulfide	3.132	76	659726	52.43	ug/L		99
25) propionitrile	5.644	54	26101	56.16	ug/L		100
26) vinyl acetate	4.565	43	624242	48.89	ug/L		98
27) chloroprene	4.621	53	341369	57.01	ug/L		92
28) di-isopropyl ether	4.604	45	599088	50.69	ug/L		94
29) methacrylonitrile	5.912	41	125934	55.07	ug/L		92
30) 2-butanone	5.529	72	20005	53.06	ug/L	#	80
31) Hexane	4.249	41	179117	52.84	ug/L		87
32) 1,1-dichloroethane	4.513	63	401592	51.02	ug/L		99
33) tert-butyl ethyl ether	5.261	59	454541	57.62	ug/L		99
34) isobutyl alcohol	4.565	43	624223	244.44	ug/L		97
35) 2,2-dichloropropane	5.538	77	213304	56.17	ug/L		96
36) cis-1,2-dichloroethene	5.530	96	224260	50.57	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26695.D
Acq On : 24 Dec 2013 10:27 am
Operator : amym
Sample : bs
Misc : MS30869,MSV1012,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 26 08:24:18 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.564	43	624128m	50.48	ug/L		
38) bromochloromethane	5.950	128	124561	50.34	ug/L		94
39) chloroform	6.166	83	419933	48.54	ug/L		99
41) Tetrahydrofuran	5.952	42	44727	57.30	ug/L		98
42) 1,1,1-trichloroethane	6.412	97	334036	51.23	ug/L		97
44) Cyclohexane	6.534	56	268858	44.59	ug/L	#	95
45) carbon tetrachloride	6.667	117	326002	50.56	ug/L		99
46) 1,1-dichloropropene	6.677	75	283992	49.53	ug/L		97
47) benzene	6.995	78	755126	49.36	ug/L		99
48) 1,2-dichloroethane	7.120	62	339305	48.91	ug/L		97
49) tert-amyl methyl ether	7.278	73	369604	57.95	ug/L		96
50) heptane	7.551	43	180626	52.32	ug/L		95
51) trichloroethene	8.027	95	222990	48.92	ug/L		97
52) 1,2-dichloropropane	8.375	63	206512	49.03	ug/L		99
53) dibromomethane	8.480	93	147049	50.01	ug/L		96
54) bromodichloromethane	8.731	83	313315	52.76	ug/L		97
55) Methylcyclohexane	8.333	83	267318	52.31	ug/L		96
57) methyl methacrylate	8.508	69	118522	55.63	ug/L		92
58) 1,4-dioxane	8.498	88	8621	230.47	ug/L		71
59) cis-1,3-dichloropropene	9.258	75	317443	46.94	ug/L		97
61) 4-methyl-2-pentanone	9.441	43	167172	58.96	ug/L		95
62) toluene	9.622	92	485125	51.19	ug/L		100
63) trans-1,3-dichloropropene	9.909	75	304782	50.21	ug/L		97
64) 1,1,2-trichloroethane	10.115	83	164342	49.66	ug/L		97
65) ethyl methacrylate	9.989	69	233102	48.50	ug/L		94
67) tetrachloroethene	10.175	166	251063	48.96	ug/L		98
68) 1,3-dichloropropane	10.277	76	305530	49.36	ug/L		100
69) dibromochloromethane	10.497	129	253397	47.75	ug/L		99
70) 1,2-dibromoethane	10.606	107	210939	51.78	ug/L		99
71) 2-hexanone	10.348	43	117776	51.39	ug/L		92
72) chlorobenzene	11.103	112	597055	45.25	ug/L		99
73) 1,1,1,2-tetrachloroethane	11.203	131	236814	51.34	ug/L		98
74) ethylbenzene	11.208	91	1010660	50.63	ug/L		98
75) m,p-xylene	11.338	106	777678	99.68	ug/L		100
76) o-xylene	11.705	106	383089	51.54	ug/L		97
77) styrene	11.726	104	643121	50.56	ug/L		96
78) bromoform	11.900	173	163342	44.42	ug/L		99
79) trans-1,4-dichloro-2-b...	12.117	53	40669	34.19	ug/L		82
81) isopropylbenzene	12.058	105	1017903	52.44	ug/L		97
83) bromobenzene	12.348	156	294669	50.49	ug/L		98
84) 1,1,2,2-tetrachloroethane	12.352	83	256335	54.33	ug/L		98
85) 1,2,3-trichloropropane	12.394	75	280618	56.03	ug/L		99
86) n-propylbenzene	12.446	91	1129862	50.82	ug/L		97
87) 2-chlorotoluene	12.525	91	730168	49.15	ug/L		100
88) 4-chlorotoluene	12.637	91	876200	50.07	ug/L		95
89) 1,3,5-trimethylbenzene	12.616	105	904919	53.36	ug/L		97
90) tert-butylbenzene	12.902	91	503526	52.22	ug/L		98
91) 1,2,4-trimethylbenzene	12.956	105	903257	52.06	ug/L		98
92) sec-butylbenzene	13.105	105	1061882	52.76	ug/L		99
93) 1,3-dichlorobenzene	13.213	146	548156	48.85	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26695.D
Acq On : 24 Dec 2013 10:27 am
Operator : amym
Sample : bs
Misc : MS30869,MSV1012,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 26 08:24:18 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

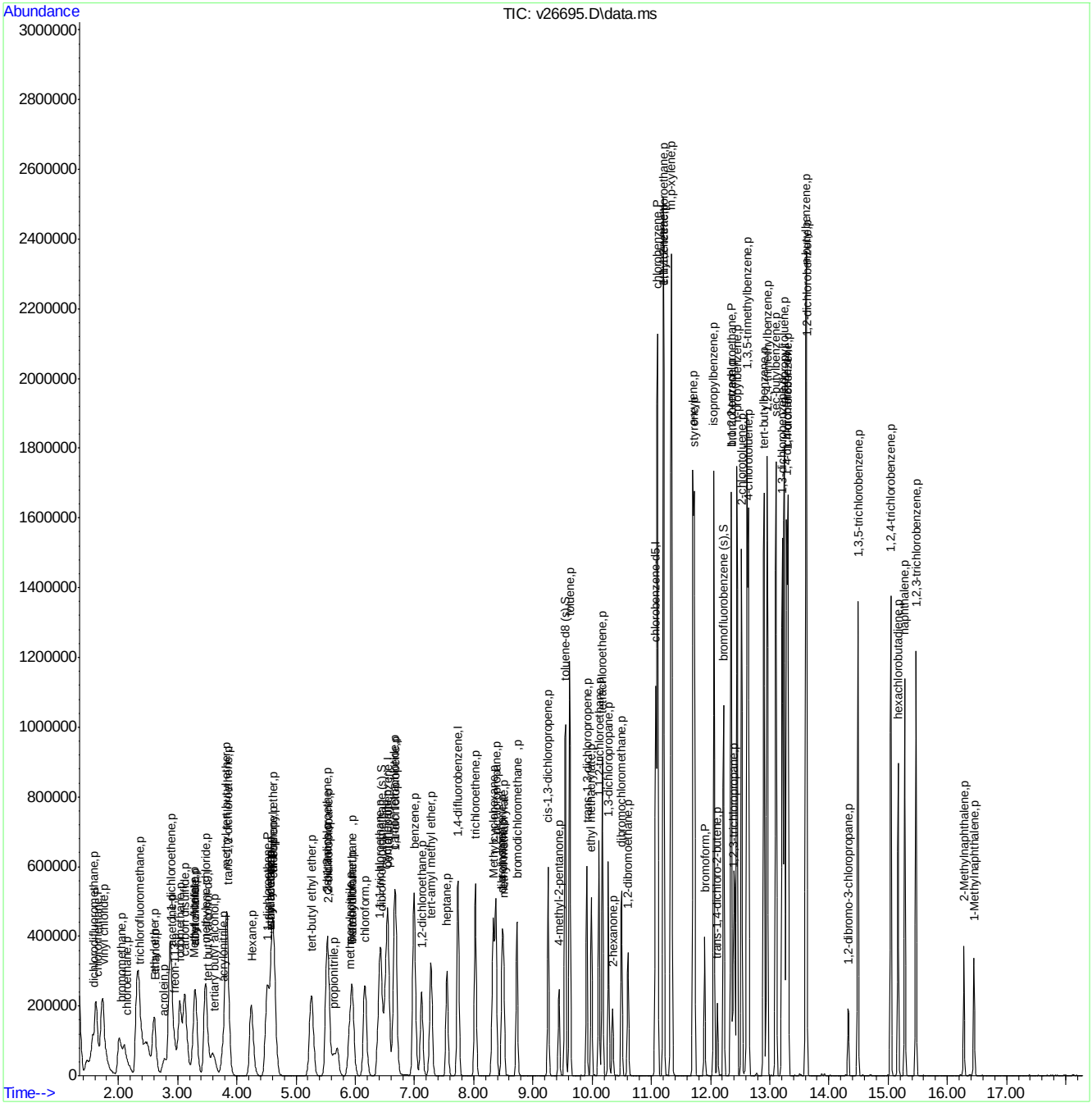
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) p-isopropyltoluene	13.245	119	922428	54.42	ug/L	99
95) 1,4-dichlorobenzene	13.308	146	565407	48.72	ug/L	99
96) 1,2-dichlorobenzene	13.625	146	538958	48.81	ug/L	99
97) n-butylbenzene	13.610	91	801744	55.36	ug/L	99
98) 1,2-dibromo-3-chloropr...	14.327	75	42244	58.75	ug/L	85
99) 1,3,5-trichlorobenzene	14.491	180	390217	50.90	ug/L	98
100) 1,2,4-trichlorobenzene	15.047	180	372311	55.77	ug/L	98
101) hexachlorobutadiene	15.169	225	159801	52.78	ug/L	98
102) naphthalene	15.281	128	752505	55.20	ug/L	100
103) 1,2,3-trichlorobenzene	15.470	180	340829	55.44	ug/L	100
104) 2-Methylnaphthalene	16.280	142	155700	26.71	ug/L	99
105) 1-Methylnaphthalene	16.450	142	150738	31.60	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26695.D
Acq On : 24 Dec 2013 10:27 am
Operator : amym
Sample : bs
Misc : MS30869,MSV1012,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 26 08:24:18 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/26/13 09:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26696.D
Acq On : 24 Dec 2013 10:54 am
Operator : amym
Sample : bsd
Misc : MS30869,MSV1012,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 26 08:24:39 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.508	65	130590	500.00	ug/L		0.00
4) pentafluorobenzene	6.555	168	463676	50.00	ug/L		0.00
43) 1,4-difluorobenzene	7.737	114	604633	50.00	ug/L		0.00
66) chlorobenzene-d5	11.074	82	305696	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.286	152	340603	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	6.438	113	219503	48.56	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.12%				
60) toluene-d8 (s)	9.547	98	668596	50.32	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.64%				
82) bromofluorobenzene (s)	12.223	95	285541	50.54	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.08%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.617	59	173053	522.13	ug/L		89
3) Ethanol	2.624	45	219252	3682.21	ug/L	#	100
5) dichlorodifluoromethane	1.592	85	415133	37.24	ug/L		96
6) chloromethane	1.637	50	341739	66.65	ug/L		100
7) vinyl chloride	1.751	62	258932	44.44	ug/L		98
8) bromomethane	2.046	96	199722	60.76	ug/L		92
9) chloroethane	2.151	64	144259	62.26	ug/L		96
10) ethyl ether	2.612	59	190057	51.02	ug/L		98
11) acetonitrile	3.304	41	292001	49.60	ug/L		95
12) trichlorofluoromethane	2.368	101	427239	46.83	ug/L		99
13) freon-113	2.947	101	221725	52.96	ug/L		96
14) acrolein	2.769	56	35617	47.76	ug/L		89
15) 1,1-dichloroethene	2.895	96	213437	50.53	ug/L		93
16) acetone	2.914	58	19979	55.10	ug/L		95
17) Methyl Acetate	3.284	43	164628	40.46	ug/L		99
18) methylene chloride	3.481	84	228660	47.65	ug/L		96
19) methyl tert butyl ether	3.828	73	479258	54.30	ug/L		99
20) acrylonitrile	3.781	53	134790	95.90	ug/L		94
21) allyl chloride	3.303	41	292874	49.76	ug/L		98
22) trans-1,2-dichloroethene	3.846	96	215906	48.31	ug/L		90
23) iodomethane	3.055	142	441778	47.32	ug/L		99
24) carbon disulfide	3.136	76	649977	50.40	ug/L		99
25) propionitrile	5.648	54	26492	55.61	ug/L		100
26) vinyl acetate	4.568	43	627307	47.93	ug/L		97
27) chloroprene	4.625	53	332878	54.24	ug/L		94
28) di-isopropyl ether	4.607	45	595903	49.20	ug/L		93
29) methacrylonitrile	5.915	41	127032	54.20	ug/L		91
30) 2-butanone	5.532	72	19870	51.39	ug/L		89
31) Hexane	4.254	41	174865	50.33	ug/L		94
32) 1,1-dichloroethane	4.517	63	391853	48.57	ug/L		99
33) tert-butyl ethyl ether	5.264	59	454771	56.24	ug/L		98
34) isobutyl alcohol	4.568	43	627307	239.67	ug/L		94
35) 2,2-dichloropropane	5.542	77	208223	53.50	ug/L		96
36) cis-1,2-dichloroethene	5.534	96	221031	48.63	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26696.D
Acq On : 24 Dec 2013 10:54 am
Operator : amym
Sample : bsd
Misc : MS30869,MSV1012,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 26 08:24:39 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.570	43	627331m	49.50	ug/L		
38) bromochloromethane	5.953	128	124063	48.92	ug/L		93
39) chloroform	6.169	83	414900	46.79	ug/L		99
41) Tetrahydrofuran	5.956	42	46532	58.16	ug/L		94
42) 1,1,1-trichloroethane	6.414	97	329577	49.32	ug/L		97
44) Cyclohexane	6.535	56	262385	42.89	ug/L	#	93
45) carbon tetrachloride	6.670	117	316362	48.36	ug/L		99
46) 1,1-dichloropropene	6.679	75	277205	47.65	ug/L		99
47) benzene	6.998	78	736553	47.45	ug/L		100
48) 1,2-dichloroethane	7.122	62	337357	47.93	ug/L		97
49) tert-amyl methyl ether	7.280	73	369535	57.10	ug/L		97
50) heptane	7.553	43	174326	49.77	ug/L		97
51) trichloroethene	8.029	95	218798	47.36	ug/L		97
52) 1,2-dichloropropane	8.377	63	203519	47.63	ug/L		99
53) dibromomethane	8.481	93	146065	48.96	ug/L		98
54) bromodichloromethane	8.732	83	309838	51.42	ug/L		99
55) Methylcyclohexane	8.335	83	259568	50.07	ug/L		96
57) methyl methacrylate	8.509	69	118027	54.60	ug/L		94
58) 1,4-dioxane	8.502	88	8877	233.66	ug/L		67
59) cis-1,3-dichloropropene	9.259	75	314520	45.89	ug/L		97
61) 4-methyl-2-pentanone	9.442	43	167340	58.17	ug/L		95
62) toluene	9.623	92	478360	49.75	ug/L		100
63) trans-1,3-dichloropropene	9.910	75	302581	49.18	ug/L		99
64) 1,1,2-trichloroethane	10.116	83	163252	48.62	ug/L		98
65) ethyl methacrylate	9.990	69	233100	47.84	ug/L		96
67) tetrachloroethene	10.176	166	245912	47.18	ug/L		98
68) 1,3-dichloropropane	10.278	76	305088	48.49	ug/L		100
69) dibromochloromethane	10.498	129	250721	46.56	ug/L		99
70) 1,2-dibromoethane	10.607	107	209495	50.59	ug/L		98
71) 2-hexanone	10.349	43	119709	51.39	ug/L		93
72) chlorobenzene	11.104	112	593390	44.25	ug/L		99
73) 1,1,1,2-tetrachloroethane	11.204	131	233438	49.79	ug/L		97
74) ethylbenzene	11.208	91	988397	48.71	ug/L		98
75) m,p-xylene	11.339	106	761901	96.08	ug/L		100
76) o-xylene	11.706	106	376778	49.87	ug/L		97
77) styrene	11.727	104	638728	49.40	ug/L		96
78) bromoform	11.901	173	163092	43.73	ug/L		100
79) trans-1,4-dichloro-2-b...	12.118	53	44841	36.38	ug/L		79
81) isopropylbenzene	12.058	105	1004083	51.22	ug/L		98
83) bromobenzene	12.349	156	291211	49.41	ug/L		99
84) 1,1,2,2-tetrachloroethane	12.353	83	256793	53.89	ug/L		98
85) 1,2,3-trichloropropane	12.394	75	286106	56.56	ug/L		100
86) n-propylbenzene	12.446	91	1112754	49.56	ug/L		97
87) 2-chlorotoluene	12.526	91	719422	47.95	ug/L		99
88) 4-chlorotoluene	12.637	91	851697	48.19	ug/L		95
89) 1,3,5-trimethylbenzene	12.616	105	888561	51.88	ug/L		96
90) tert-butylbenzene	12.902	91	497587	51.10	ug/L		100
91) 1,2,4-trimethylbenzene	12.956	105	887831	50.66	ug/L		98
92) sec-butylbenzene	13.105	105	1048668	51.59	ug/L		100
93) 1,3-dichlorobenzene	13.213	146	544564	48.05	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26696.D
Acq On : 24 Dec 2013 10:54 am
Operator : amym
Sample : bsd
Misc : MS30869,MSV1012,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 26 08:24:39 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

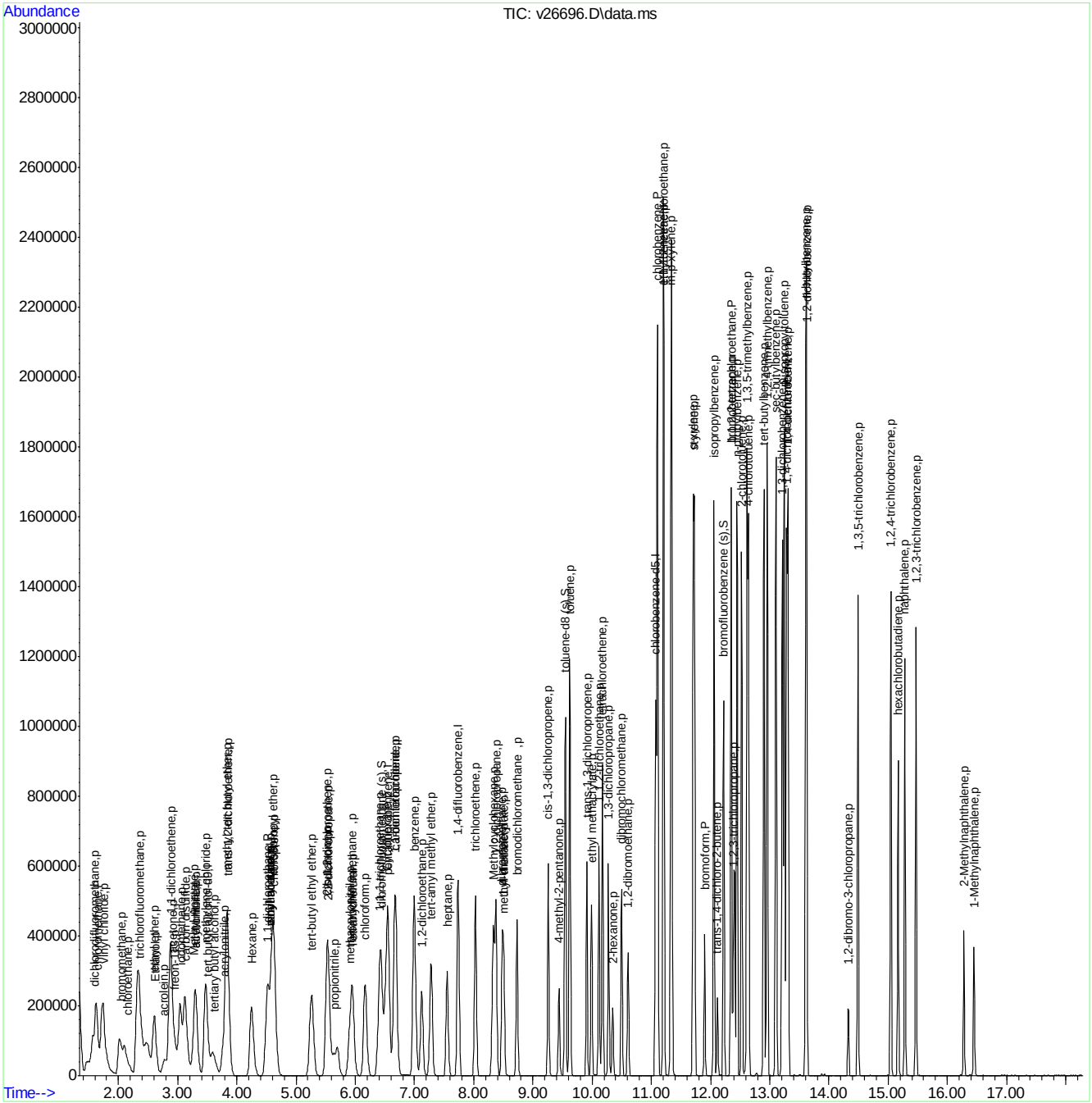
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	p-isopropyltoluene	13.246	119	915675	53.49	ug/L	99
95)	1,4-dichlorobenzene	13.308	146	552481	47.14	ug/L	99
96)	1,2-dichlorobenzene	13.625	146	534985	47.97	ug/L	99
97)	n-butylbenzene	13.611	91	780426	53.36	ug/L	100
98)	1,2-dibromo-3-chloropr...	14.327	75	43444	59.83	ug/L	83
99)	1,3,5-trichlorobenzene	14.492	180	384591	49.67	ug/L	98
100)	1,2,4-trichlorobenzene	15.047	180	373264	55.36	ug/L	99
101)	hexachlorobutadiene	15.169	225	156370	51.14	ug/L	100
102)	naphthalene	15.282	128	780810	56.74	ug/L	100
103)	1,2,3-trichlorobenzene	15.471	180	345379	55.63	ug/L	98
104)	2-Methylnaphthalene	16.281	142	176955	30.08	ug/L	100
105)	1-Methylnaphthalene	16.450	142	166860	34.90	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26696.D
Acq On : 24 Dec 2013 10:54 am
Operator : amym
Sample : bsd
Misc : MS30869,MSV1012,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 26 08:24:39 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/26/13 09:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26708.D
Acq On : 24 Dec 2013 4:12 pm
Operator : amym
Sample : mc27210-1ms
Misc : MS30877,MSV1012,,,,5,5
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 26 08:34:41 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.508	65	105738	500.00	ug/L		0.00
4) pentafluorobenzene	6.557	168	407469	50.00	ug/L		0.00
43) 1,4-difluorobenzene	7.738	114	509566	50.00	ug/L		0.00
66) chlorobenzene-d5	11.075	82	253528	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.287	152	307993	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	6.440	113	195647	49.26	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.52%				
60) toluene-d8 (s)	9.548	98	565412	50.49	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.98%				
82) bromofluorobenzene (s)	12.223	95	236786	46.35	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.70%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.619	59	147152	548.34	ug/L		88
3) Ethanol	2.624	45	205019	4252.44	ug/L	#	100
5) dichlorodifluoromethane	1.605	85	400167	40.85	ug/L		100
6) chloromethane	1.642	50	340721	76.47	ug/L		98
7) vinyl chloride	1.753	62	262723	52.06	ug/L		97
8) bromomethane	2.046	96	196375	69.00	ug/L		98
9) chloroethane	2.160	64	146466	73.11	ug/L		96
10) ethyl ether	2.614	59	187971	57.42	ug/L		99
11) acetonitrile	3.305	41	261326	50.51	ug/L		92
12) trichlorofluoromethane	2.375	101	433129	54.02	ug/L		100
13) freon-113	2.951	101	227340	61.80	ug/L		93
14) acrolein	2.769	56	26592	40.58	ug/L		84
15) 1,1-dichloroethene	2.902	96	217677	58.65	ug/L		90
16) acetone	2.915	58	17559	55.10	ug/L		97
17) Methyl Acetate	3.287	43	135212	37.81	ug/L		99
18) methylene chloride	3.485	84	210463	49.91	ug/L		98
19) methyl tert butyl ether	3.829	73	407128	52.49	ug/L		98
20) acrylonitrile	3.783	53	107394	86.95	ug/L		96
21) allyl chloride	3.305	41	262574	50.76	ug/L		92
22) trans-1,2-dichloroethene	3.847	96	201515	51.31	ug/L		96
23) iodomethane	3.061	142	437661	53.35	ug/L		98
24) carbon disulfide	3.137	76	611424	53.95	ug/L		100
25) propionitrile	5.652	54	22006	52.57	ug/L		100
26) vinyl acetate	4.571	43	530771	46.15	ug/L		99
27) chloroprene	4.627	53	310552	57.58	ug/L		92
28) di-isopropyl ether	4.608	45	511682	48.07	ug/L		94
29) methacrylonitrile	5.918	41	103285	50.15	ug/L		92
30) 2-butanone	5.534	72	16754	49.27	ug/L		97
31) Hexane	4.254	41	155109	50.80	ug/L		88
32) 1,1-dichloroethane	4.518	63	356162	50.24	ug/L		98
33) tert-butyl ethyl ether	5.266	59	383292	53.94	ug/L		100
34) isobutyl alcohol	4.571	43	530771	230.76	ug/L		89
35) 2,2-dichloropropane	5.542	77	184725	54.01	ug/L		100
36) cis-1,2-dichloroethene	5.536	96	202248	50.63	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26708.D
Acq On : 24 Dec 2013 4:12 pm
Operator : amym
Sample : mc27210-1ms
Misc : MS30877,MSV1012,,,,5,5
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 26 08:34:41 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.570	43	530786m	47.66	ug/L		
38) bromochloromethane	5.955	128	114231	51.25	ug/L		100
39) chloroform	6.171	83	387047	49.67	ug/L		98
41) Tetrahydrofuran	5.958	42	35433	50.40	ug/L		98
42) 1,1,1-trichloroethane	6.414	97	319895	54.47	ug/L		96
44) Cyclohexane	6.537	56	241085	46.76	ug/L	#	94
45) carbon tetrachloride	6.670	117	304358	55.20	ug/L		96
46) 1,1-dichloropropene	6.681	75	257317	52.48	ug/L		99
47) benzene	6.999	78	679948	51.98	ug/L		100
48) 1,2-dichloroethane	7.124	62	305580	51.52	ug/L		97
49) tert-amyl methyl ether	7.282	73	312726	57.34	ug/L		98
50) heptane	7.554	43	149657	50.70	ug/L		96
51) trichloroethene	8.030	95	204276	52.33	ug/L		97
52) 1,2-dichloropropane	8.378	63	188236	52.27	ug/L		100
53) dibromomethane	8.482	93	136527	54.30	ug/L		98
54) bromodichloromethane	8.733	83	311726	61.39	ug/L		100
55) Methylcyclohexane	8.335	83	238042	54.48	ug/L		97
57) methyl methacrylate	8.510	69	105325	57.81	ug/L		96
58) 1,4-dioxane	8.504	88	7740	241.17	ug/L	#	61
59) cis-1,3-dichloropropene	9.260	75	284221	49.05	ug/L		97
61) 4-methyl-2-pentanone	9.443	43	132783	54.77	ug/L		95
62) toluene	9.624	92	431854	53.29	ug/L		99
63) trans-1,3-dichloropropene	9.912	75	267135	51.40	ug/L		97
64) 1,1,2-trichloroethane	10.117	83	141918	50.15	ug/L		97
65) ethyl methacrylate	9.991	69	199028	48.44	ug/L		96
67) tetrachloroethene	10.176	166	233637	54.05	ug/L		99
68) 1,3-dichloropropane	10.279	76	265518	50.88	ug/L		99
69) dibromochloromethane	10.499	129	230503	51.30	ug/L		99
70) 1,2-dibromoethane	10.608	107	183735	53.50	ug/L		98
71) 2-hexanone	10.349	43	94835	49.13	ug/L		93
72) chlorobenzene	11.105	112	540595	48.61	ug/L		99
73) 1,1,1,2-tetrachloroethane	11.204	131	216674	55.72	ug/L		97
74) ethylbenzene	11.209	91	904442	53.75	ug/L		100
75) m,p-xylene	11.340	106	708031	107.66	ug/L		100
76) o-xylene	11.707	106	341363	54.48	ug/L		97
77) styrene	11.728	104	597297	55.70	ug/L		100
78) bromoform	11.901	173	149751	47.85	ug/L		99
79) trans-1,4-dichloro-2-b...	12.118	53	31600	32.16	ug/L		76
81) isopropylbenzene	12.059	105	931887	52.57	ug/L		97
83) bromobenzene	12.349	156	267116	50.12	ug/L		99
84) 1,1,2,2-tetrachloroethane	12.354	83	216864	50.33	ug/L		99
85) 1,2,3-trichloropropane	12.395	75	233970	51.15	ug/L		98
86) n-propylbenzene	12.447	91	1011427	49.81	ug/L		97
87) 2-chlorotoluene	12.526	91	659062	48.58	ug/L		99
88) 4-chlorotoluene	12.638	91	789034	49.37	ug/L		100
89) 1,3,5-trimethylbenzene	12.617	105	822013	53.08	ug/L		98
90) tert-butylbenzene	12.903	91	455401	51.72	ug/L		99
91) 1,2,4-trimethylbenzene	12.957	105	825657	52.10	ug/L		98
92) sec-butylbenzene	13.106	105	944202	51.37	ug/L		100
93) 1,3-dichlorobenzene	13.214	146	489381	47.76	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26708.D
Acq On : 24 Dec 2013 4:12 pm
Operator : amym
Sample : mc27210-1ms
Misc : MS30877,MSV1012,,,,5,5
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 26 08:34:41 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

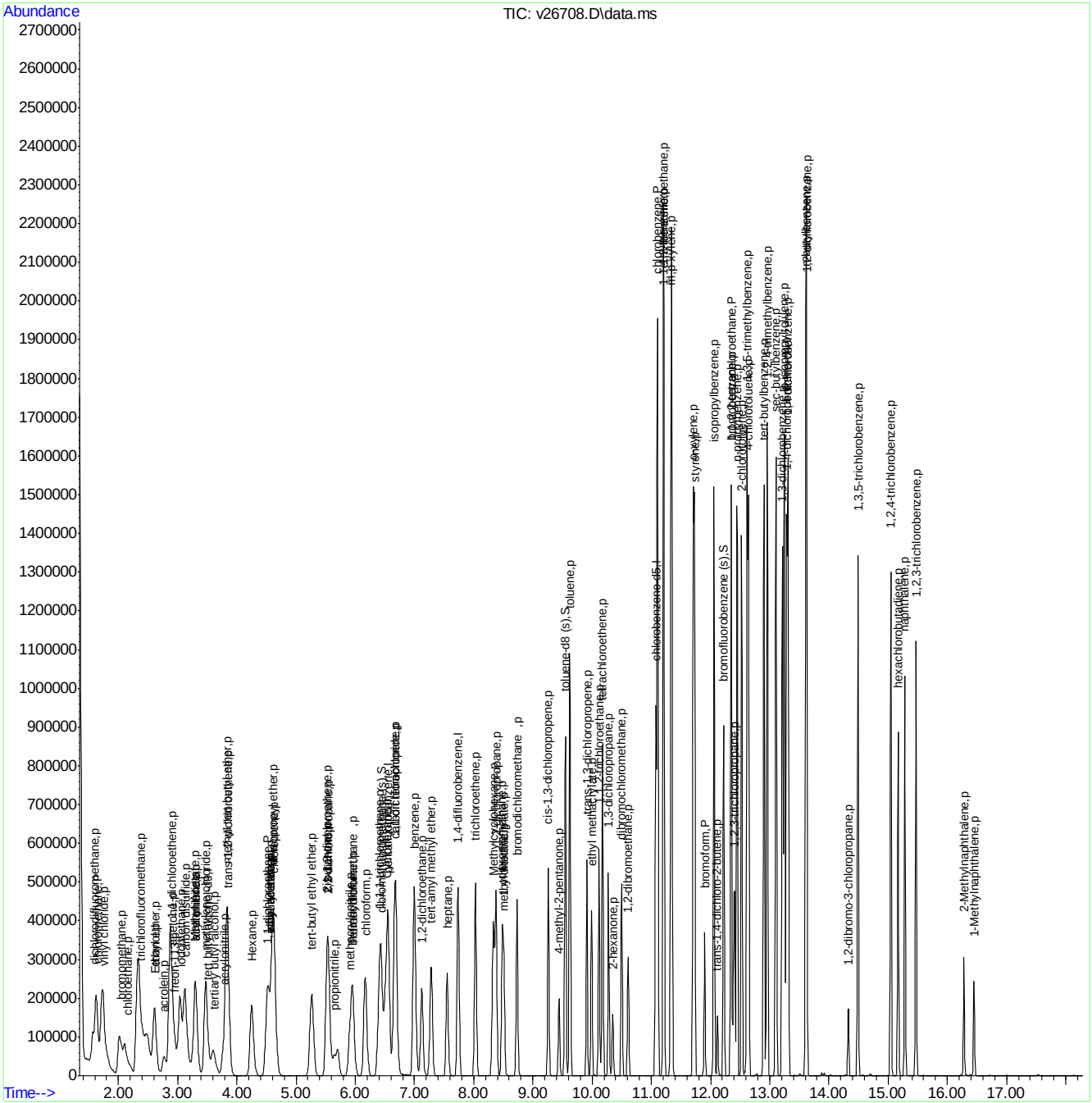
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) p-isopropyltoluene	13.247	119	856317	55.32	ug/L	100
95) 1,4-dichlorobenzene	13.309	146	535769	50.55	ug/L	98
96) 1,2-dichlorobenzene	13.626	146	508269	50.41	ug/L	99
97) n-butylbenzene	13.612	91	749329	56.66	ug/L	98
98) 1,2-dibromo-3-chloropr...	14.328	75	38782	59.06	ug/L	81
99) 1,3,5-trichlorobenzene	14.492	180	374182	53.44	ug/L	99
100) 1,2,4-trichlorobenzene	15.048	180	348305	57.13	ug/L	100
101) hexachlorobutadiene	15.169	225	155838	56.36	ug/L	98
102) naphthalene	15.282	128	657236	52.75	ug/L	100
103) 1,2,3-trichlorobenzene	15.471	180	302993	53.97	ug/L	100
104) 2-Methylnaphthalene	16.281	142	130185	24.44	ug/L	99
105) 1-Methylnaphthalene	16.451	142	111568	25.09	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26708.D
Acq On : 24 Dec 2013 4:12 pm
Operator : amym
Sample : mc27210-1ms
Misc : MS30877,MSV1012,,,,5,5
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 26 08:34:41 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/26/13 09:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26709.D
Acq On : 24 Dec 2013 4:39 pm
Operator : amym
Sample : mc27210-1msd
Misc : MS30877,MSV1012,,,,5,5
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 26 08:34:58 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.510	65	116091	500.00	ug/L	0.00
4) pentafluorobenzene	6.557	168	450385	50.00	ug/L	0.00
43) 1,4-difluorobenzene	7.738	114	585661	50.00	ug/L	0.00
66) chlorobenzene-d5	11.075	82	290345	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	13.286	152	323961	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	6.439	113	215936	49.18	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.36%			
60) toluene-d8 (s)	9.548	98	641500	49.84	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.68%			
82) bromofluorobenzene (s)	12.223	95	269784	50.20	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.40%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	3.621	59	164915	559.72	ug/L #	83
3) Ethanol	2.622	45	225772	4265.27	ug/L #	100
5) dichlorodifluoromethane	1.605	85	398549	36.81	ug/L	96
6) chloromethane	1.644	50	351143	70.88	ug/L	96
7) vinyl chloride	1.754	62	265413	47.17	ug/L	99
8) bromomethane	2.048	96	198951	62.53	ug/L	100
9) chloroethane	2.160	64	146170	65.27	ug/L	99
10) ethyl ether	2.615	59	203587	56.26	ug/L	97
11) acetonitrile	3.305	41	315954	55.25	ug/L	95
12) trichlorofluoromethane	2.374	101	433780	48.95	ug/L	97
13) freon-113	2.950	101	241980	59.51	ug/L	91
14) acrolein	2.770	56	29429	40.63	ug/L	90
15) 1,1-dichloroethene	2.902	96	229737	56.00	ug/L	85
16) acetone	2.917	58	19103	54.24	ug/L	95
17) Methyl Acetate	3.289	43	165173	41.79	ug/L	95
18) methylene chloride	3.485	84	245205	52.61	ug/L	95
19) methyl tert butyl ether	3.831	73	471618	55.01	ug/L	99
20) acrylonitrile	3.784	53	135113	98.97	ug/L	97
21) allyl chloride	3.305	41	316956	55.44	ug/L	97
22) trans-1,2-dichloroethene	3.847	96	231076	53.23	ug/L	93
23) iodomethane	3.061	142	469908	51.82	ug/L	99
24) carbon disulfide	3.137	76	681341	54.39	ug/L	99
25) propionitrile	5.652	54	26435	57.13	ug/L	100
26) vinyl acetate	4.572	43	669070	52.63	ug/L	97
27) chloroprene	4.626	53	366774	61.53	ug/L	91
28) di-isopropyl ether	4.610	45	650577	55.30	ug/L	95
29) methacrylonitrile	5.919	41	126992	55.78	ug/L	94
30) 2-butanone	5.537	72	19466	51.84	ug/L #	80
31) Hexane	4.254	41	189712	56.21	ug/L	87
32) 1,1-dichloroethane	4.519	63	425660	54.32	ug/L	98
33) tert-butyl ethyl ether	5.268	59	460573	58.64	ug/L	99
34) isobutyl alcohol	4.572	43	669070	263.17	ug/L	95
35) 2,2-dichloropropane	5.542	77	209200	55.34	ug/L	99
36) cis-1,2-dichloroethene	5.536	96	232772	52.72	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26709.D
Acq On : 24 Dec 2013 4:39 pm
Operator : amym
Sample : mc27210-1msd
Misc : MS30877,MSV1012,,,,5,5
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 26 08:34:58 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.570	43	668830m	54.33	ug/L		
38) bromochloromethane	5.955	128	129690	52.64	ug/L		94
39) chloroform	6.170	83	443588	51.50	ug/L		97
41) Tetrahydrofuran	5.959	42	45371	58.38	ug/L		98
42) 1,1,1-trichloroethane	6.414	97	351292	54.12	ug/L		96
44) Cyclohexane	6.536	56	281692	47.54	ug/L	#	95
45) carbon tetrachloride	6.670	117	343790	54.25	ug/L		98
46) 1,1-dichloropropene	6.680	75	298536	52.98	ug/L		97
47) benzene	6.999	78	777363	51.71	ug/L		99
48) 1,2-dichloroethane	7.124	62	354552	52.01	ug/L		97
49) tert-amyl methyl ether	7.283	73	359189	57.30	ug/L		96
50) heptane	7.554	43	183748	54.16	ug/L		96
51) trichloroethene	8.029	95	228366	50.93	ug/L		97
52) 1,2-dichloropropane	8.378	63	213982	51.70	ug/L		100
53) dibromomethane	8.482	93	149271	51.66	ug/L		98
54) bromodichloromethane	8.733	83	322908	55.33	ug/L		98
55) Methylcyclohexane	8.335	83	271462	54.06	ug/L		94
57) methyl methacrylate	8.511	69	117817	56.27	ug/L		91
58) 1,4-dioxane	8.502	88	8669	235.44	ug/L		86
59) cis-1,3-dichloropropene	9.260	75	320045	48.10	ug/L		96
61) 4-methyl-2-pentanone	9.443	43	160183	57.49	ug/L		94
62) toluene	9.624	92	496175	53.28	ug/L		98
63) trans-1,3-dichloropropene	9.911	75	307019	51.40	ug/L		97
64) 1,1,2-trichloroethane	10.117	83	164637	50.62	ug/L		96
65) ethyl methacrylate	9.991	69	230989	48.89	ug/L		94
67) tetrachloroethene	10.176	166	258423	52.21	ug/L		100
68) 1,3-dichloropropane	10.279	76	307962	51.53	ug/L		99
69) dibromochloromethane	10.499	129	253555	49.39	ug/L		99
70) 1,2-dibromoethane	10.608	107	210422	53.50	ug/L		100
71) 2-hexanone	10.350	43	112640	50.92	ug/L		93
72) chlorobenzene	11.104	112	606713	47.63	ug/L		98
73) 1,1,1,2-tetrachloroethane	11.204	131	239854	53.86	ug/L		98
74) ethylbenzene	11.209	91	1023553	53.11	ug/L		99
75) m,p-xylene	11.340	106	785795	104.33	ug/L		98
76) o-xylene	11.707	106	386490	53.86	ug/L		97
77) styrene	11.728	104	660804	53.81	ug/L		99
78) bromoform	11.902	173	164661	46.15	ug/L		97
79) trans-1,4-dichloro-2-b...	12.118	53	36471	32.35	ug/L		81
81) isopropylbenzene	12.059	105	1033530	55.43	ug/L		98
83) bromobenzene	12.349	156	300018	53.52	ug/L		99
84) 1,1,2,2-tetrachloroethane	12.354	83	250199	55.20	ug/L		99
85) 1,2,3-trichloropropane	12.395	75	267827	55.67	ug/L		99
86) n-propylbenzene	12.447	91	1134705	53.13	ug/L		97
87) 2-chlorotoluene	12.526	91	737246	51.66	ug/L		99
88) 4-chlorotoluene	12.637	91	884302	52.60	ug/L		99
89) 1,3,5-trimethylbenzene	12.617	105	904715	55.54	ug/L		98
90) tert-butylbenzene	12.903	91	515517	55.66	ug/L		98
91) 1,2,4-trimethylbenzene	12.957	105	905610	54.33	ug/L		98
92) sec-butylbenzene	13.106	105	1071135	55.40	ug/L		100
93) 1,3-dichlorobenzene	13.214	146	551543	51.17	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26709.D
Acq On : 24 Dec 2013 4:39 pm
Operator : amym
Sample : mc27210-1msd
Misc : MS30877,MSV1012,,,,5,5
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 26 08:34:58 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

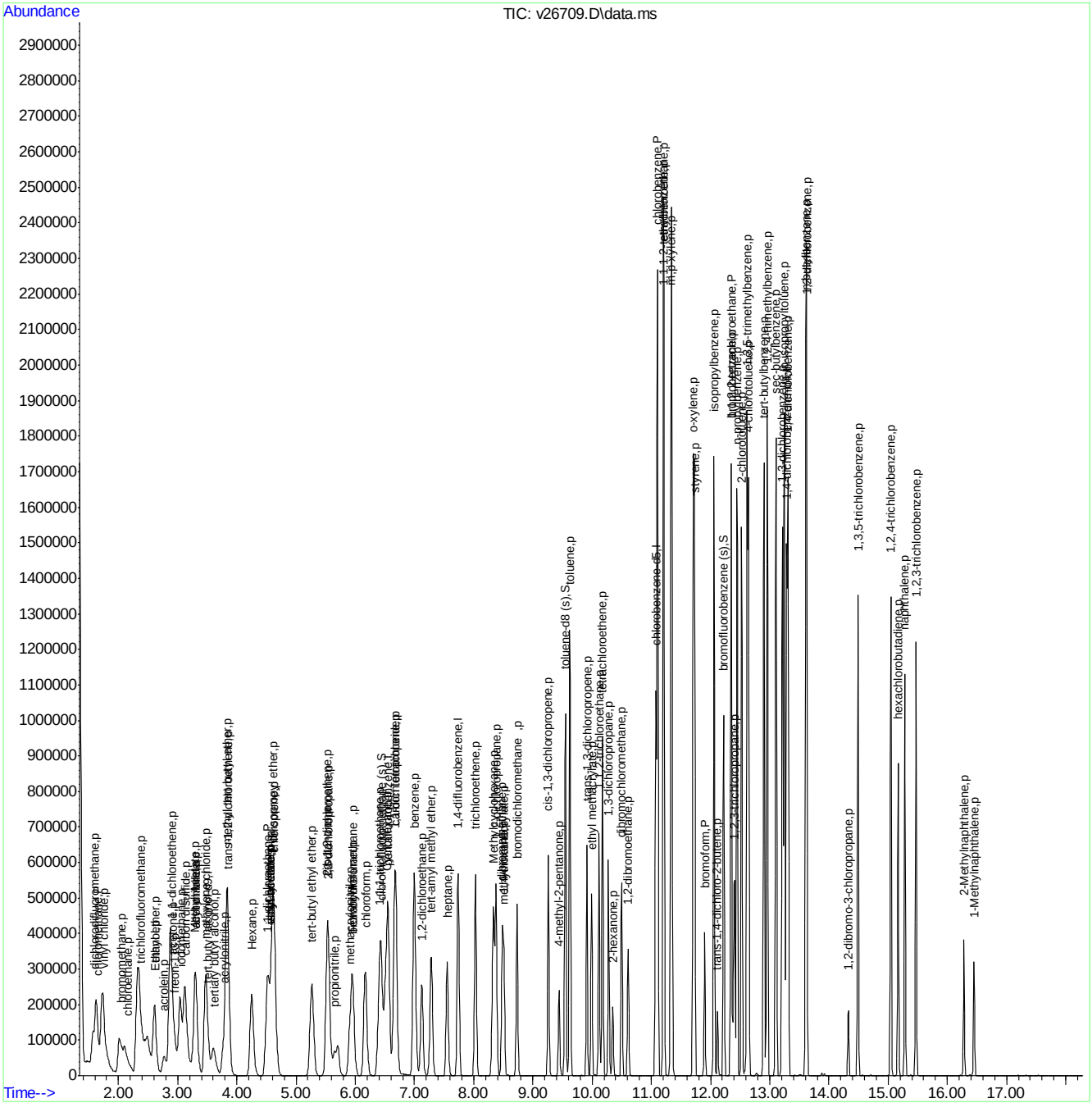
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) p-isopropyltoluene	13.246	119	933027	57.31	ug/L	99
95) 1,4-dichlorobenzene	13.309	146	565865	50.76	ug/L	99
96) 1,2-dichlorobenzene	13.626	146	539516	50.87	ug/L	99
97) n-butylbenzene	13.611	91	790686	56.84	ug/L	99
98) 1,2-dibromo-3-chloropr...	14.328	75	41191	59.64	ug/L	79
99) 1,3,5-trichlorobenzene	14.492	180	385461	52.34	ug/L	99
100) 1,2,4-trichlorobenzene	15.048	180	364515	56.84	ug/L	99
101) hexachlorobutadiene	15.169	225	159936	54.99	ug/L	99
102) naphthalene	15.282	128	728794	55.67	ug/L	100
103) 1,2,3-trichlorobenzene	15.471	180	333708	56.51	ug/L	99
104) 2-Methylnaphthalene	16.281	142	159962	28.58	ug/L	100
105) 1-Methylnaphthalene	16.451	142	144079	31.43	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26709.D
Acq On : 24 Dec 2013 4:39 pm
Operator : amym
Sample : mc27210-1msd
Misc : MS30877,MSV1012,,,,5,5
ALS Vial : 17 Sample Multiplier: 1

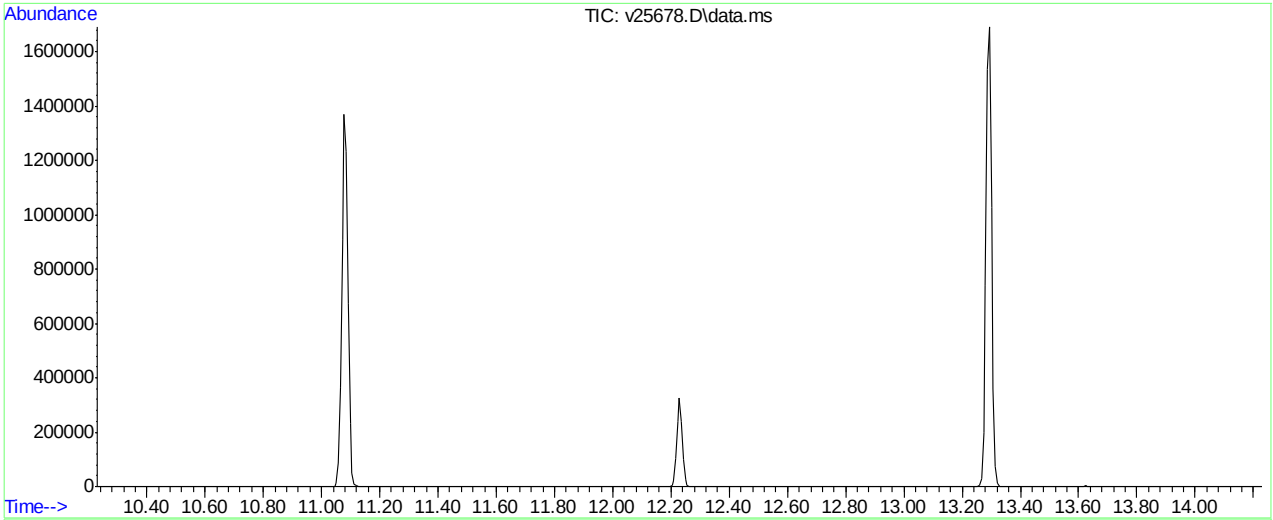
Quant Time: Dec 26 08:34:58 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration



SW-846 Method 8260

Data File : C:\msdchem\1\DATA\V131124\v25678.D Vial: 5
Acq On : 24 Nov 2013 2:56 pm Operator: amym
Sample : bfb Inst : MSV
Misc : MS30629,MSV978,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\v131124w.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Average of 12.223 to 12.236 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	10406	PASS
75	95	30	60	51.6	27240	PASS
95	95	100	100	100.0	52797	PASS
96	95	5	9	6.9	3628	PASS
173	174	0.00	2	0.5	275	PASS
174	95	50	100	95.6	50493	PASS
175	174	5	9	7.2	3624	PASS
176	174	95	101	95.6	48296	PASS
177	176	5	9	6.2	2977	PASS

v25678.D v131124w.m Mon Nov 25 08:43:44 2013

Average of 12.223 to 12.236 min.: v25678.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	478	51.10	3092	73.05	2270	92.00	1656
37.10	2253	56.10	861	74.10	8981	93.00	2373
38.05	2035	57.05	1441	75.10	27240	94.00	6329
39.05	783	60.00	527	76.05	2358	95.05	52797
40.00	37	61.05	2462	77.05	270	96.00	3628
44.00	180	62.05	2563	79.00	1574	115.90	104
45.05	515	63.05	1782	79.95	441	117.00	156
47.00	542	68.05	5637	80.95	1597	118.90	270
48.05	299	69.05	5650	82.00	212	127.90	113
49.05	2197	70.05	482	87.00	1942	130.00	122
50.10	10406	72.00	136	88.00	1844	140.95	637

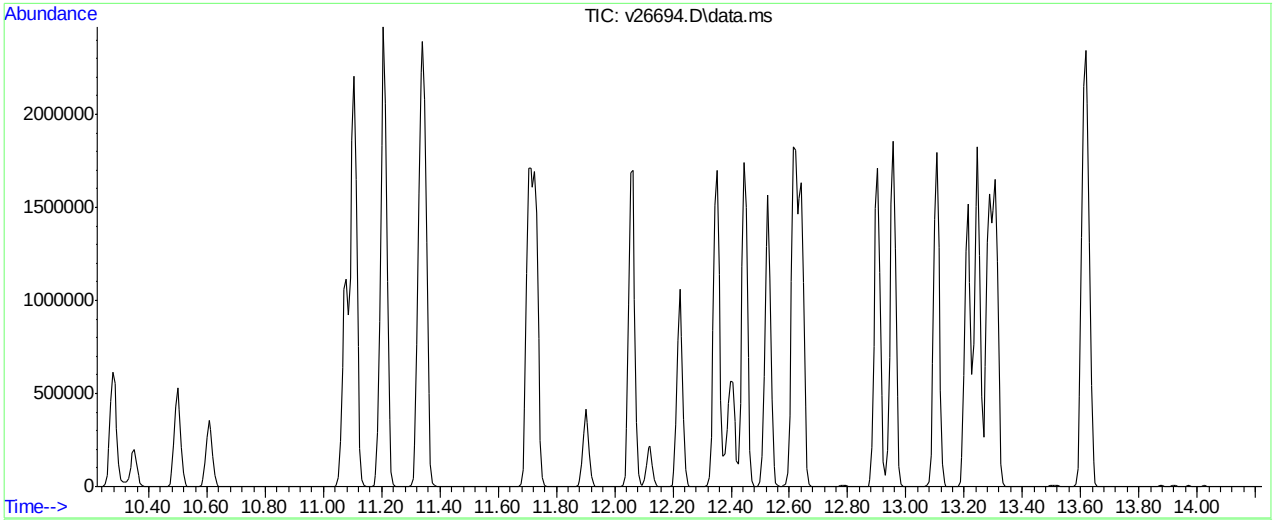
Average of 12.223 to 12.236 min.: v25678.D\data.ms
bfb
Modified:subtracted

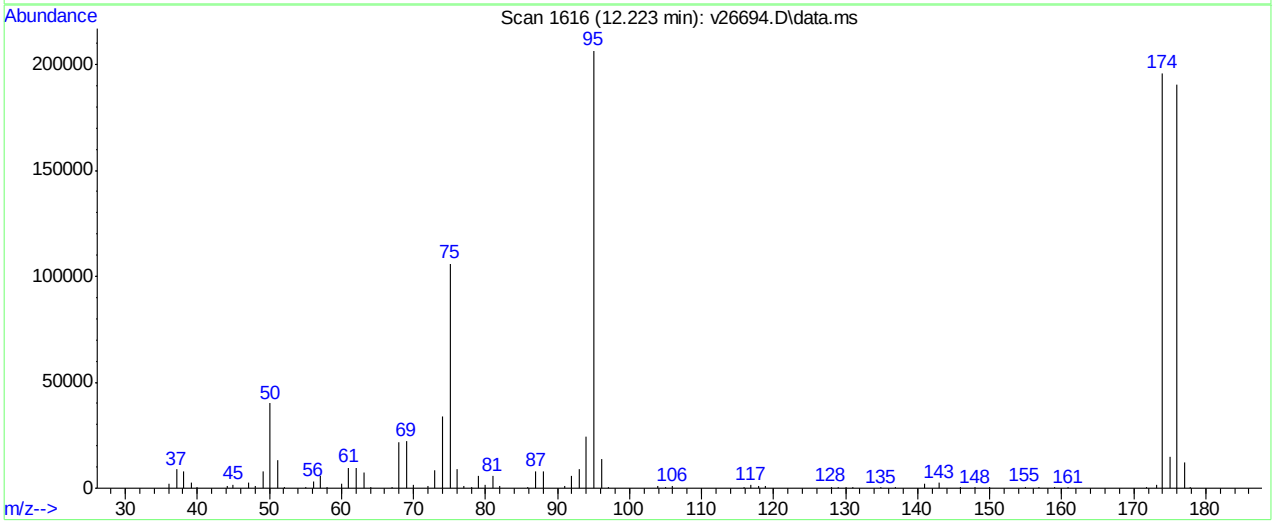
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
143.00	731						
171.90	226						
173.00	275						
174.00	50493						
175.00	3624						
176.00	48296						
176.95	2977						

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\V131224\v26694.D Vial: 2
Acq On : 24 Dec 2013 10:01 am Operator: amym
Sample : bfb Inst : MSV
Misc : MS30869,MSV1012,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\v131124w.m (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Scan 1616

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	40048	PASS
75	95	30	60	51.3	106000	PASS
95	95	100	100	100.0	206592	PASS
96	95	5	9	6.6	13706	PASS
173	174	0.00	2	0.7	1451	PASS
174	95	50	100	94.8	195776	PASS
175	174	5	9	7.5	14653	PASS
176	174	95	101	97.4	190592	PASS
177	176	5	9	6.5	12405	PASS

v26694.D v131124w.m Thu Dec 26 08:25:28 2013

Scan 1616 (12.223 min): v26694.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	2020	51.10	13195	67.00	449	79.00	5751
37.10	8967	52.10	661	68.00	21688	80.00	1442
38.10	7973	55.10	514	69.00	22296	81.00	5622
39.10	2898	56.10	3272	70.00	1590	81.90	1326
40.00	405	57.10	5852	72.00	906	85.90	304
44.10	1240	58.00	300	73.00	8684	87.00	7988
45.00	1760	60.00	1948	74.10	33960	88.00	7737
47.10	2448	61.00	9786	75.10	106000	91.00	830
48.00	1250	62.10	9343	76.10	8763	92.00	6065
49.10	8156	63.10	7447	77.00	1183	93.00	8755
50.10	40048	64.10	726	78.00	762	94.00	24272

Scan 1616 (12.223 min): v26694.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	206592	128.90	345	156.90	368		
96.10	13706	130.00	763	159.00	389		
97.10	349	131.00	314	160.90	304		
103.90	997	134.90	407	171.80	364		
105.00	311	136.90	400	173.10	1451		
106.00	1034	141.00	2212	174.00	195776		
115.90	648	143.00	2433	175.00	14653		
116.90	1410	145.90	472	176.00	190592		
117.90	899	148.00	526	177.00	12405		
118.90	1099	150.00	311	177.80	355		
128.00	794	154.90	656				

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/25/13 09:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25679.D
Acq On : 24 Nov 2013 3:23 pm
Operator : amym
Sample : ic978-0.25
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 07:40:14 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.530	65	125650	500.00	ug/L	# 0.01
4) pentafluorobenzene	6.567	168	560253	50.00	ug/L	0.00
43) 1,4-difluorobenzene	7.744	114	756086	50.00	ug/L	0.00
66) chlorobenzene-d5	11.079	82	374011	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	13.291	152	400747	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	0.000	113	0	0.00	ug/L	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
60) toluene-d8 (s)	0.000	98	0d	0.00	ug/L	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
82) bromofluorobenzene (s)	0.000	95	0d	0.00	ug/L	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
51) trichloroethene	8.033	95	898m	0.15	ug/L	
67) tetrachloroethene	10.182	166	1274m	0.19	ug/L	

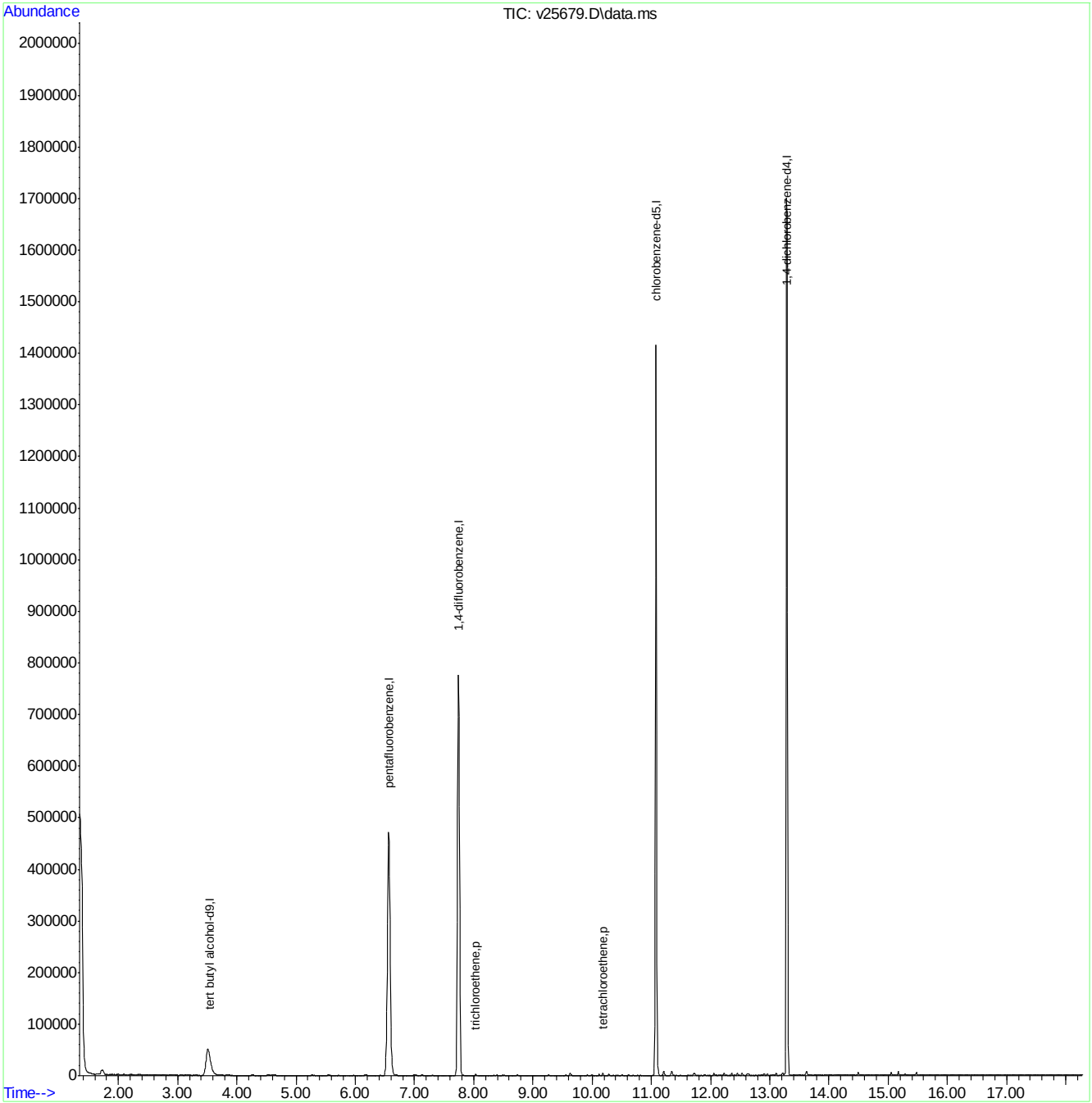
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25679.D
Acq On : 24 Nov 2013 3:23 pm
Operator : amym
Sample : ic978-0.25
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 07:40:14 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25680.D
Acq On : 24 Nov 2013 3:49 pm
Operator : amym
Sample : ic978-0.5
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 07:42:17 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

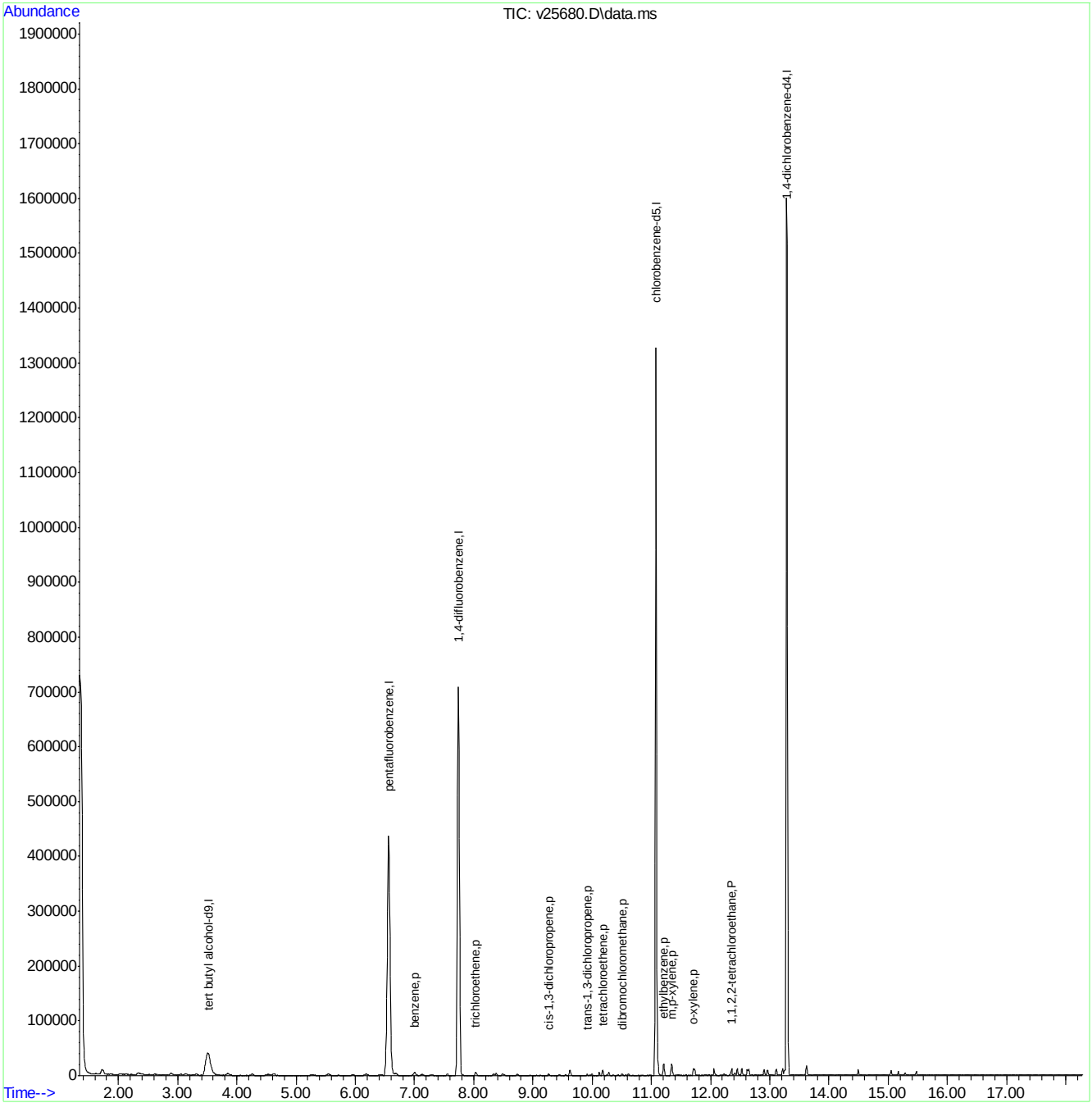
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.524	65	105540	500.00	ug/L	# 0.00
4) pentafluorobenzene	6.565	168	519441	50.00	ug/L	0.00
43) 1,4-difluorobenzene	7.743	114	693475	50.00	ug/L	0.00
66) chlorobenzene-d5	11.079	82	350282	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	13.291	152	374369	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	0.000	113	0	0.00	ug/L	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
60) toluene-d8 (s)	0.000	98	0	0.00	ug/L	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
82) bromofluorobenzene (s)	0.000	95	0d	0.00	ug/L	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
47) benzene	7.005	78	8674	0.47	ug/L	95
51) trichloroethene	8.035	95	2368	0.43	ug/L	89
59) cis-1,3-dichloropropene	9.263	75	2157	0.26	ug/L	84
63) trans-1,3-dichloropropene	9.917	75	1653	0.22	ug/L	50
67) tetrachloroethene	10.180	166	2925	0.46	ug/L	89
69) dibromochloromethane	10.503	129	1710	0.26	ug/L	88
74) ethylbenzene	11.213	91	10262	0.43	ug/L	99
75) m,p-xylene	11.344	106	7487	0.78	ug/L	97
76) o-xylene	11.710	106	2982	0.30	ug/L	98
84) 1,1,2,2-tetrachloroethane	12.355	83	2357	0.45	ug/L	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25680.D
Acq On : 24 Nov 2013 3:49 pm
Operator : amym
Sample : ic978-0.5
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 07:42:17 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25681.D
Acq On : 24 Nov 2013 4:16 pm
Operator : amym
Sample : ic978-1
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 25 07:43:54 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.518	65	108655	500.00	ug/L	#	0.00
4) pentafluorobenzene	6.558	168	523418	50.00	ug/L		0.00
43) 1,4-difluorobenzene	7.737	114	689318	50.00	ug/L		0.00
66) chlorobenzene-d5	11.077	82	349419	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.290	152	385906	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	0.000	113	0	0.00	ug/L		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
60) toluene-d8 (s)	0.000	98	0	0.00	ug/L		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
82) bromofluorobenzene (s)	0.000	95	0d	0.00	ug/L		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
5) dichlorodifluoromethane	1.550	85	16120	1.52	ug/L		80
6) chloromethane	1.632	50	10197	1.93	ug/L		96
7) vinyl chloride	1.747	62	11759	1.99	ug/L	#	28
8) bromomethane	2.042	96	6494	2.03	ug/L		99
9) chloroethane	2.149	64	7208	3.11	ug/L	#	43
10) ethyl ether	2.613	59	5924	1.68	ug/L		92
11) acetonitrile	3.310	41	8499	1.29	ug/L		92
12) trichlorofluoromethane	2.362	101	13854	1.64	ug/L		99
13) freon-113	2.910	101	5868	1.27	ug/L		97
14) acrolein	2.771	56	5804	7.79	ug/L		94
15) 1,1-dichloroethene	2.884	96	6384	1.37	ug/L		95
17) Methyl Acetate	3.286	43	6450	1.60	ug/L	#	58
18) methylene chloride	3.483	84	7647	1.51	ug/L		81
19) methyl tert butyl ether	3.834	73	12748	1.28	ug/L		87
20) acrylonitrile	3.779	53	1736	1.14	ug/L		84
21) allyl chloride	3.310	41	8499	1.29	ug/L		98
22) trans-1,2-dichloroethene	3.852	96	7113	1.47	ug/L		91
23) iodomethane	3.055	142	14699	1.48	ug/L		95
24) carbon disulfide	3.141	76	24157	1.60	ug/L		98
26) vinyl acetate	4.571	43	18588	1.28	ug/L		84
27) chloroprene	4.625	53	8263	1.14	ug/L		94
28) di-isopropyl ether	4.611	45	17201	1.30	ug/L		84
29) methacrylonitrile	5.912	41	3028	1.16	ug/L		88
31) Hexane	4.251	41	5111	1.34	ug/L	#	83
32) 1,1-dichloroethane	4.519	63	12927	1.53	ug/L		84
33) tert-butyl ethyl ether	5.269	59	11111	1.15	ug/L		85
34) isobutyl alcohol	4.571	43	18588	6.39	ug/L		69
35) 2,2-dichloropropane	5.550	77	5792	1.25	ug/L		88
36) cis-1,2-dichloroethene	5.535	96	6668	1.31	ug/L		84
38) bromochloromethane	5.955	128	3651	1.31	ug/L		98
39) chloroform	6.171	83	13921	1.46	ug/L		97
42) 1,1,1-trichloroethane	6.419	97	9778	1.25	ug/L		92
44) Cyclohexane	6.544	56	15763	2.25	ug/L	#	26
45) carbon tetrachloride	6.676	117	9068	1.07	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25681.D
Acq On : 24 Nov 2013 4:16 pm
Operator : amym
Sample : ic978-1
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 25 07:43:54 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1-dichloropropene	6.678	75	9013	1.31	ug/L		97
47) benzene	6.998	78	23509	1.29	ug/L		97
48) 1,2-dichloroethane	7.123	62	10919	1.42	ug/L		79
49) tert-amyl methyl ether	7.285	73	8970	1.07	ug/L		95
50) heptane	7.554	43	4452	1.02	ug/L		89
51) trichloroethene	8.029	95	7507	1.38	ug/L		89
52) 1,2-dichloropropane	8.378	63	6424	1.29	ug/L		89
53) dibromomethane	8.483	93	4401	1.26	ug/L		94
54) bromodichloromethane	8.732	83	7994	1.03	ug/L		98
55) Methylcyclohexane	8.338	83	7054	1.06	ug/L		94
57) methyl methacrylate	8.511	69	2598	0.88	ug/L		93
59) cis-1,3-dichloropropene	9.261	75	6763	0.83	ug/L		93
61) 4-methyl-2-pentanone	9.444	43	3452	0.97	ug/L	#	41
62) toluene	9.625	92	12708	1.07	ug/L		98
63) trans-1,3-dichloropropene	9.913	75	5419	0.73	ug/L		97
64) 1,1,2-trichloroethane	10.117	83	4926	1.26	ug/L		89
65) ethyl methacrylate	9.993	69	3827	0.66	ug/L		76
67) tetrachloroethene	10.178	166	8270	1.30	ug/L		98
68) 1,3-dichloropropane	10.281	76	9059	1.22	ug/L		92
69) dibromochloromethane	10.500	129	5604	0.85	ug/L		94
70) 1,2-dibromoethane	10.610	107	5481	1.06	ug/L		99
71) 2-hexanone	10.353	43	2261	0.84	ug/L		82
72) chlorobenzene	11.107	112	21468	1.47	ug/L		98
73) 1,1,1,2-tetrachloroethane	11.207	131	6413	1.07	ug/L		96
74) ethylbenzene	11.212	91	29816	1.24	ug/L		98
75) m,p-xylene	11.343	106	22615	2.37	ug/L		99
76) o-xylene	11.710	106	10646	1.09	ug/L		86
77) styrene	11.731	104	15542	0.94	ug/L		99
78) bromoform	11.904	173	3708	0.77	ug/L		96
81) isopropylbenzene	12.062	105	26606	1.16	ug/L		97
83) bromobenzene	12.352	156	8410	1.23	ug/L		92
84) 1,1,2,2-tetrachloroethane	12.356	83	6813	1.26	ug/L		91
85) 1,2,3-trichloropropane	12.398	75	7236	1.05	ug/L		99
86) n-propylbenzene	12.451	91	30236	1.24	ug/L		96
87) 2-chlorotoluene	12.529	91	21286	1.22	ug/L		98
88) 4-chlorotoluene	12.642	91	24849	1.24	ug/L		98
89) 1,3,5-trimethylbenzene	12.620	105	22345	1.11	ug/L		98
90) tert-butylbenzene	12.906	91	12825	1.06	ug/L		92
91) 1,2,4-trimethylbenzene	12.960	105	22698	1.09	ug/L		95
92) sec-butylbenzene	13.109	105	27166	1.19	ug/L		99
93) 1,3-dichlorobenzene	13.217	146	16798	1.32	ug/L		98
94) p-isopropyltoluene	13.250	119	21647	1.06	ug/L		98
95) 1,4-dichlorobenzene	13.312	146	18312	1.46	ug/L		94
96) 1,2-dichlorobenzene	13.629	146	16469	1.38	ug/L		96
97) n-butylbenzene	13.615	91	19427	1.11	ug/L		97
99) 1,3,5-trichlorobenzene	14.495	180	11407	1.33	ug/L		97
100) 1,2,4-trichlorobenzene	15.051	180	9091	1.18	ug/L		99
101) hexachlorobutadiene	15.172	225	5050	1.52	ug/L		97
102) naphthalene	15.285	128	11303	0.74	ug/L		100
103) 1,2,3-trichlorobenzene	15.474	180	8378	1.23	ug/L		99

ACCUTEST LABORATORIES MC27335

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25681.D
Acq On : 24 Nov 2013 4:16 pm
Operator : amym
Sample : ic978-1
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 25 07:43:54 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

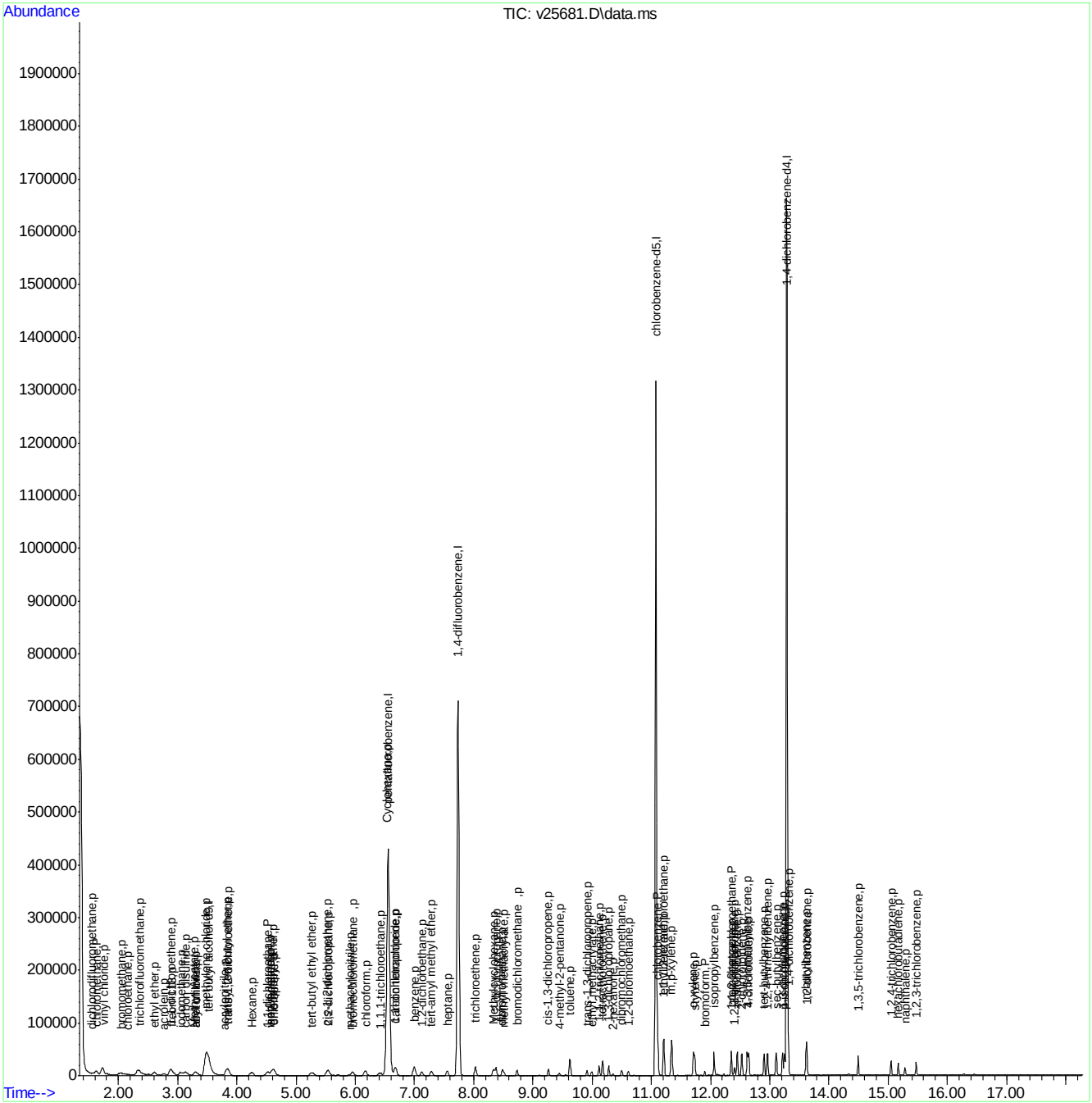
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25681.D
Acq On : 24 Nov 2013 4:16 pm
Operator : amym
Sample : ic978-1
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 25 07:43:54 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25682.D
Acq On : 24 Nov 2013 4:43 pm
Operator : amym
Sample : ic978-2
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 25 07:45:23 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.524	65	129939	500.00	ug/L	#	0.00
4) pentafluorobenzene	6.562	168	527608	50.00	ug/L		0.00
43) 1,4-difluorobenzene	7.740	114	694140	50.00	ug/L		0.00
66) chlorobenzene-d5	11.077	82	352867	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.289	152	394517	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	0.000	113	0	0.00	ug/L		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
60) toluene-d8 (s)	0.000	98	0	0.00	ug/L		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
82) bromofluorobenzene (s)	0.000	95	0d	0.00	ug/L		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.620	59	5964	16.36	ug/L	#	73
3) Ethanol	2.620	45	9889	125.35	ug/L	#	100
5) dichlorodifluoromethane	1.559	85	23686	2.21	ug/L		98
6) chloromethane	1.638	50	11767	2.21	ug/L		98
7) vinyl chloride	1.752	62	14432	2.43	ug/L		65
8) bromomethane	2.049	96	7875	2.44	ug/L		80
9) chloroethane	2.155	64	7770	3.33	ug/L	#	43
10) ethyl ether	2.620	59	9133	2.57	ug/L		99
11) acetonitrile	3.316	41	12245	1.84	ug/L		92
12) trichlorofluoromethane	2.372	101	20278	2.38	ug/L		92
13) freon-113	2.912	101	7068	1.52	ug/L		85
14) acrolein	2.777	56	7460	9.94	ug/L		94
15) 1,1-dichloroethene	2.889	96	8646	1.84	ug/L		91
17) Methyl Acetate	3.294	43	9358	2.31	ug/L	#	90
18) methylene chloride	3.490	84	10719	2.10	ug/L		93
19) methyl tert butyl ether	3.837	73	19732	1.96	ug/L		97
20) acrylonitrile	3.789	53	3034	1.98	ug/L	#	61
21) allyl chloride	3.316	41	12244	1.84	ug/L		88
22) trans-1,2-dichloroethene	3.856	96	9727	1.99	ug/L		96
23) iodomethane	3.060	142	19862	1.98	ug/L		89
24) carbon disulfide	3.147	76	29883	1.96	ug/L		98
26) vinyl acetate	4.578	43	27636	1.89	ug/L		84
27) chloroprene	4.635	53	11227	1.53	ug/L		90
28) di-isopropyl ether	4.617	45	25055	1.88	ug/L		87
29) methacrylonitrile	5.918	41	4982	1.90	ug/L	#	73
31) Hexane	4.261	41	6657	1.73	ug/L	#	81
32) 1,1-dichloroethane	4.527	63	17646	2.07	ug/L		93
33) tert-butyl ethyl ether	5.275	59	16442	1.69	ug/L		92
34) isobutyl alcohol	4.578	43	27637	9.42	ug/L		87
35) 2,2-dichloropropane	5.554	77	7832	1.68	ug/L		93
36) cis-1,2-dichloroethene	5.544	96	9891	1.92	ug/L		93
38) bromochloromethane	5.963	128	5553	1.97	ug/L		95
39) chloroform	6.177	83	19768	2.05	ug/L		98
41) Tetrahydrofuran	5.961	42	1397	1.49	ug/L	#	30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25682.D
Acq On : 24 Nov 2013 4:43 pm
Operator : amym
Sample : ic978-2
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 25 07:45:23 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1,1-trichloroethane	6.423	97	13170	1.67	ug/L		90
44) Cyclohexane	6.545	56	17025	2.42	ug/L	#	34
45) carbon tetrachloride	6.676	117	12201	1.44	ug/L		90
46) 1,1-dichloropropene	6.683	75	11991	1.73	ug/L		94
47) benzene	7.002	78	34161	1.86	ug/L		99
48) 1,2-dichloroethane	7.126	62	16001	2.06	ug/L		97
49) tert-amyl methyl ether	7.288	73	12674	1.50	ug/L		94
50) heptane	7.557	43	5724	1.30	ug/L		85
51) trichloroethene	8.031	95	9968	1.82	ug/L		95
52) 1,2-dichloropropane	8.379	63	9114	1.81	ug/L		89
53) dibromomethane	8.484	93	6343	1.81	ug/L		98
54) bromodichloromethane	8.734	83	11734	1.51	ug/L		97
55) Methylcyclohexane	8.339	83	8370	1.25	ug/L		88
57) methyl methacrylate	8.512	69	3791	1.28	ug/L		96
59) cis-1,3-dichloropropene	9.262	75	9977	1.21	ug/L		96
61) 4-methyl-2-pentanone	9.445	43	5383	1.50	ug/L	#	82
62) toluene	9.626	92	18533	1.55	ug/L		87
63) trans-1,3-dichloropropene	9.913	75	8236	1.11	ug/L		93
64) 1,1,2-trichloroethane	10.118	83	7423	1.88	ug/L		96
65) ethyl methacrylate	9.994	69	6534	1.11	ug/L		88
67) tetrachloroethene	10.179	166	11122	1.73	ug/L		96
68) 1,3-dichloropropane	10.281	76	13850	1.85	ug/L		97
69) dibromochloromethane	10.501	129	8486	1.28	ug/L		98
70) 1,2-dibromoethane	10.611	107	8459	1.62	ug/L		95
71) 2-hexanone	10.352	43	3676	1.35	ug/L		88
72) chlorobenzene	11.107	112	30698	2.08	ug/L		99
73) 1,1,1,2-tetrachloroethane	11.206	131	9010	1.49	ug/L		97
74) ethylbenzene	11.211	91	42029	1.74	ug/L		97
75) m,p-xylene	11.343	106	32983	3.42	ug/L		91
76) o-xylene	11.710	106	14745	1.50	ug/L		89
77) styrene	11.731	104	24062	1.45	ug/L		97
78) bromoform	11.904	173	5341	1.10	ug/L		97
79) trans-1,4-dichloro-2-b...	12.123	53	1177	0.65	ug/L	#	48
81) isopropylbenzene	12.061	105	38649	1.65	ug/L		100
83) bromobenzene	12.352	156	12519	1.79	ug/L		95
84) 1,1,2,2-tetrachloroethane	12.355	83	11216	2.03	ug/L		97
85) 1,2,3-trichloropropane	12.398	75	11126	1.58	ug/L		100
86) n-propylbenzene	12.450	91	42601	1.71	ug/L		97
87) 2-chlorotoluene	12.529	91	31058	1.75	ug/L		100
88) 4-chlorotoluene	12.640	91	37805	1.85	ug/L		99
89) 1,3,5-trimethylbenzene	12.620	105	32326	1.57	ug/L		95
90) tert-butylbenzene	12.905	91	17751	1.43	ug/L		98
91) 1,2,4-trimethylbenzene	12.960	105	33004	1.55	ug/L		100
92) sec-butylbenzene	13.108	105	39211	1.68	ug/L		99
93) 1,3-dichlorobenzene	13.216	146	24309	1.87	ug/L		95
94) p-isopropyltoluene	13.250	119	30967	1.49	ug/L		97
95) 1,4-dichlorobenzene	13.311	146	26793	2.08	ug/L		98
96) 1,2-dichlorobenzene	13.629	146	25134	2.05	ug/L		95
97) n-butylbenzene	13.614	91	26551	1.48	ug/L		95
98) 1,2-dibromo-3-chloropr...	14.329	75	1202	1.23	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25682.D
Acq On : 24 Nov 2013 4:43 pm
Operator : amym
Sample : ic978-2
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 25 07:45:23 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

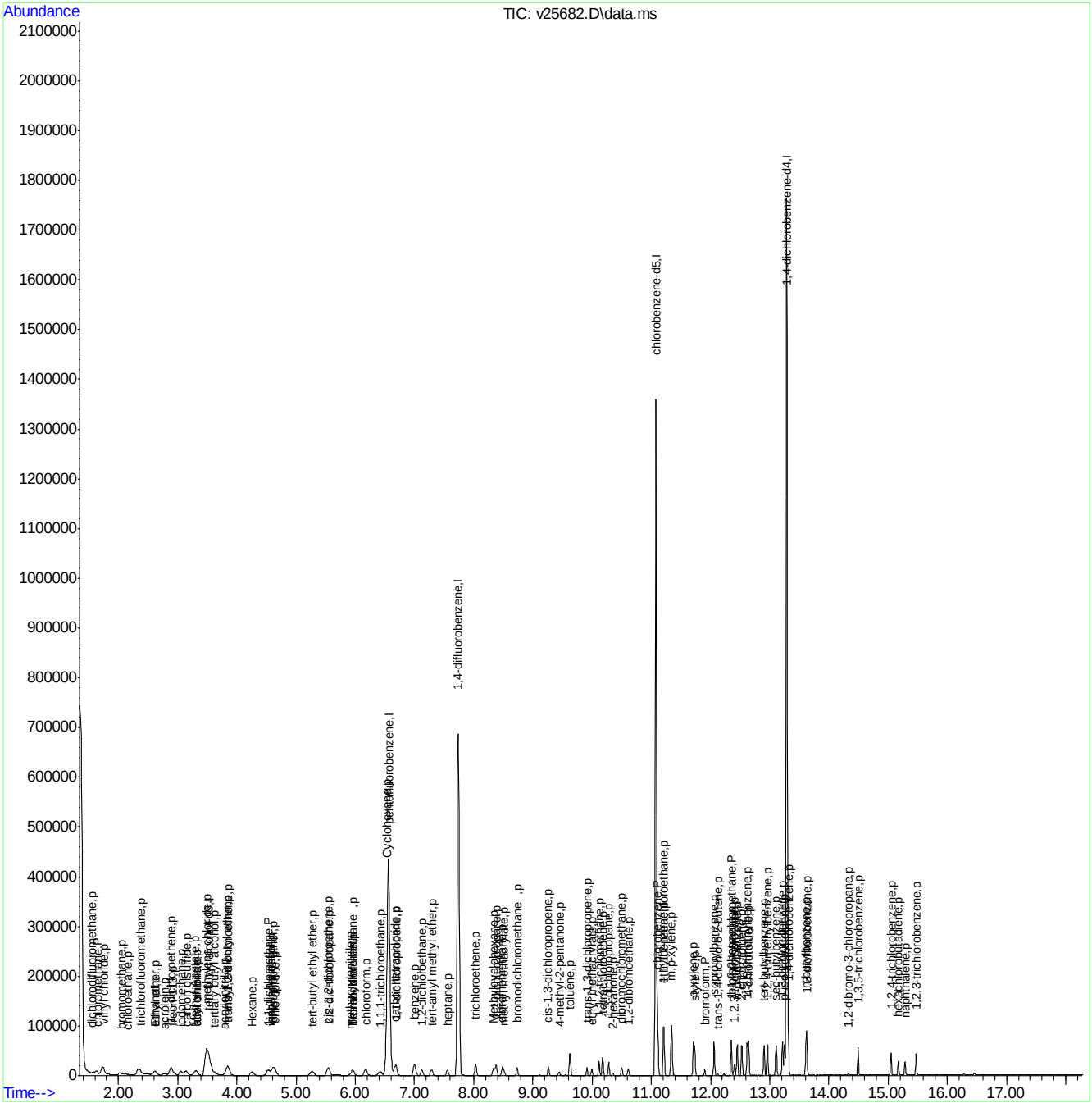
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) 1,3,5-trichlorobenzene	14.494	180	16641	1.90	ug/L	96
100) 1,2,4-trichlorobenzene	15.050	180	13999	1.78	ug/L	97
101) hexachlorobutadiene	15.171	225	6071	1.79	ug/L	96
102) naphthalene	15.285	128	20060	1.28	ug/L	100
103) 1,2,3-trichlorobenzene	15.474	180	14029	2.02	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25682.D
Acq On : 24 Nov 2013 4:43 pm
Operator : amym
Sample : ic978-2
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 25 07:45:23 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/25/13 09:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25683.D
Acq On : 24 Nov 2013 5:09 pm
Operator : amym
Sample : ic978-5
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 25 07:46:12 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.523	65	114957	500.00	ug/L	#	0.00
4) pentafluorobenzene	6.563	168	564740	50.00	ug/L		0.00
43) 1,4-difluorobenzene	7.741	114	735490	50.00	ug/L		0.00
66) chlorobenzene-d5	11.076	82	370905	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.288	152	408320	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	6.447	113	25601	4.52	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	9.04%#			
60) toluene-d8 (s)	9.550	98	72119	4.18	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	8.36%#			
82) bromofluorobenzene (s)	12.225	95	32305	4.41	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	8.82%#			
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.631	59	13874	43.03	ug/L	#	67
3) Ethanol	2.631	45	24057	344.67	ug/L	#	100
5) dichlorodifluoromethane	1.570	85	69179	6.04	ug/L		86
6) chloromethane	1.649	50	35949	6.30	ug/L		92
7) vinyl chloride	1.759	62	37884	5.95	ug/L		100
8) bromomethane	2.054	96	22220	6.44	ug/L		94
9) chloroethane	2.167	64	19718	7.89	ug/L		90
10) ethyl ether	2.625	59	21119	5.55	ug/L		93
11) acetonitrile	3.315	41	31163	4.38	ug/L		93
12) trichlorofluoromethane	2.377	101	55399	6.08	ug/L		99
13) freon-113	2.923	101	23418	4.71	ug/L		93
14) acrolein	2.781	56	20294	25.25	ug/L		94
15) 1,1-dichloroethene	2.892	96	21760	4.32	ug/L		85
16) acetone	2.930	58	1978	4.83	ug/L	#	79
17) Methyl Acetate	3.302	43	21619	4.98	ug/L		99
18) methylene chloride	3.490	84	26375	4.84	ug/L		94
19) methyl tert butyl ether	3.840	73	45315	4.21	ug/L		97
20) acrylonitrile	3.798	53	7980	4.86	ug/L		81
21) allyl chloride	3.315	41	31164	4.38	ug/L		100
22) trans-1,2-dichloroethene	3.857	96	24076	4.60	ug/L		89
23) iodomethane	3.067	142	51082	4.76	ug/L		99
24) carbon disulfide	3.147	76	72341	4.43	ug/L		99
25) propionitrile	5.652	54	2100	3.35	ug/L		100
26) vinyl acetate	4.584	43	67898	4.33	ug/L		99
27) chloroprene	4.638	53	32957	4.21	ug/L		90
28) di-isopropyl ether	4.620	45	65696	4.61	ug/L		90
29) methacrylonitrile	5.926	41	12267	4.36	ug/L		94
30) 2-butanone	5.539	72	1257	2.73	ug/L	#	58
31) Hexane	4.262	41	19527	4.74	ug/L		97
32) 1,1-dichloroethane	4.529	63	44306	4.86	ug/L		98
33) tert-butyl ethyl ether	5.277	59	39950	3.83	ug/L		96
34) isobutyl alcohol	4.584	43	67902	21.62	ug/L		78
35) 2,2-dichloropropane	5.553	77	20028	4.02	ug/L		96
36) cis-1,2-dichloroethene	5.546	96	23956	4.35	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25683.D
Acq On : 24 Nov 2013 5:09 pm
Operator : amym
Sample : ic978-5
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 25 07:46:12 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.584	43	67900m	4.32	ug/L		
38) bromochloromethane	5.964	128	13853	4.59	ug/L		92
39) chloroform	6.179	83	48632	4.72	ug/L		99
41) Tetrahydrofuran	5.967	42	4278	4.25	ug/L		88
42) 1,1,1-trichloroethane	6.422	97	35085	4.17	ug/L		91
44) Cyclohexane	6.537	56	36867	4.94	ug/L	#	77
45) carbon tetrachloride	6.673	117	33809	3.75	ug/L		88
46) 1,1-dichloropropene	6.684	75	31310	4.26	ug/L		97
47) benzene	7.004	78	84017	4.32	ug/L		95
48) 1,2-dichloroethane	7.129	62	38811	4.72	ug/L		98
49) tert-amyl methyl ether	7.288	73	30443	3.40	ug/L		99
50) heptane	7.557	43	18828	4.04	ug/L		86
51) trichloroethene	8.033	95	24965	4.30	ug/L		98
52) 1,2-dichloropropane	8.381	63	22857	4.29	ug/L		100
53) dibromomethane	8.485	93	16089	4.33	ug/L		93
54) bromodichloromethane	8.735	83	30713	3.72	ug/L		98
55) Methylcyclohexane	8.338	83	26149	3.70	ug/L		95
56) 2-chloroethyl vinyl ether	9.111	63	887m	1.49	ug/L		
57) methyl methacrylate	8.513	69	10080	3.20	ug/L		86
59) cis-1,3-dichloropropene	9.262	75	27675	3.18	ug/L		99
61) 4-methyl-2-pentanone	9.446	43	13548	3.56	ug/L		92
62) toluene	9.625	92	51591	4.08	ug/L		96
63) trans-1,3-dichloropropene	9.913	75	22651	2.88	ug/L		99
64) 1,1,2-trichloroethane	10.117	83	17643	4.21	ug/L		97
65) ethyl methacrylate	9.994	69	17773	2.86	ug/L		89
67) tetrachloroethene	10.178	166	28601	4.24	ug/L		97
68) 1,3-dichloropropane	10.280	76	33328	4.24	ug/L		96
69) dibromochloromethane	10.500	129	22722	3.26	ug/L		99
70) 1,2-dibromoethane	10.610	107	21127	3.85	ug/L		94
71) 2-hexanone	10.354	43	9321	3.25	ug/L		86
72) chlorobenzene	11.105	112	73064	4.72	ug/L		99
73) 1,1,1,2-tetrachloroethane	11.205	131	23223	3.66	ug/L		95
74) ethylbenzene	11.210	91	108910	4.28	ug/L		100
75) m,p-xylene	11.341	106	85798	8.47	ug/L		97
76) o-xylene	11.709	106	39149	3.78	ug/L		96
77) styrene	11.729	104	65248	3.73	ug/L		99
78) bromoform	11.903	173	13777	2.69	ug/L		96
79) trans-1,4-dichloro-2-b...	12.119	53	3213	1.69	ug/L	#	66
81) isopropylbenzene	12.060	105	103774	4.27	ug/L		97
83) bromobenzene	12.351	156	32514	4.50	ug/L		98
84) 1,1,2,2-tetrachloroethane	12.355	83	26223	4.58	ug/L		100
85) 1,2,3-trichloropropane	12.404	75	23285	3.20	ug/L		99
86) n-propylbenzene	12.449	91	123148	4.78	ug/L		98
87) 2-chlorotoluene	12.527	91	82206	4.47	ug/L		99
88) 4-chlorotoluene	12.639	91	98090	4.64	ug/L		98
89) 1,3,5-trimethylbenzene	12.618	105	91301	4.28	ug/L		99
90) tert-butylbenzene	12.904	91	51566	4.02	ug/L		97
91) 1,2,4-trimethylbenzene	12.959	105	95960	4.36	ug/L		95
92) sec-butylbenzene	13.107	105	108906	4.51	ug/L		98
93) 1,3-dichlorobenzene	13.215	146	61825	4.59	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25683.D
Acq On : 24 Nov 2013 5:09 pm
Operator : amym
Sample : ic978-5
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 25 07:46:12 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

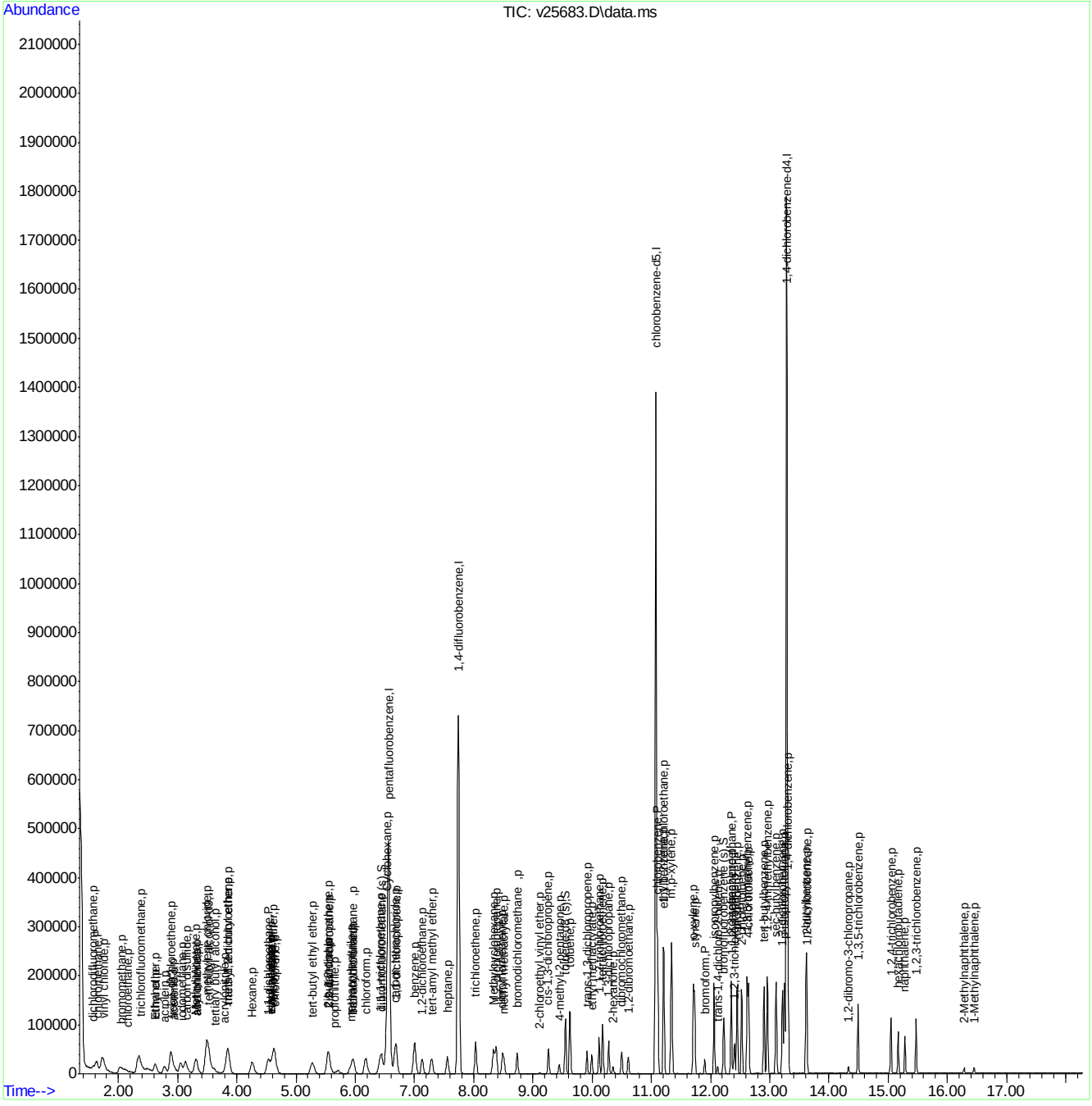
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	p-isopropyltoluene	13.248	119	90725	4.22	ug/L	99
95)	1,4-dichlorobenzene	13.310	146	62959	4.73	ug/L	97
96)	1,2-dichlorobenzene	13.627	146	60305	4.76	ug/L	96
97)	n-butylbenzene	13.613	91	74267	4.01	ug/L	97
98)	1,2-dibromo-3-chloropr...	14.328	75	3513	3.48	ug/L	91
99)	1,3,5-trichlorobenzene	14.493	180	41075	4.53	ug/L	96
100)	1,2,4-trichlorobenzene	15.049	180	33824	4.17	ug/L	97
101)	hexachlorobutadiene	15.170	225	16496	4.69	ug/L	91
102)	naphthalene	15.284	128	51710	3.20	ug/L	100
103)	1,2,3-trichlorobenzene	15.472	180	32240	4.48	ug/L	99
104)	2-Methylnaphthalene	16.282	142	6777	0.98	ug/L	95
105)	1-Methylnaphthalene	16.452	142	6545	1.24	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25683.D
Acq On : 24 Nov 2013 5:09 pm
Operator : amym
Sample : ic978-5
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 25 07:46:12 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/25/13 09:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25684.D
Acq On : 24 Nov 2013 5:35 pm
Operator : amym
Sample : ic978-10
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 25 07:57:11 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.521	65	106535	500.00	ug/L	#	0.00
4) pentafluorobenzene	6.562	168	545181	50.00	ug/L		0.00
43) 1,4-difluorobenzene	7.739	114	706636	50.00	ug/L		0.00
66) chlorobenzene-d5	11.076	82	354497	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.288	152	394957	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	6.445	113	52137	9.54	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 19.08%#				
60) toluene-d8 (s)	9.549	98	145576	8.79	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 17.58%#				
82) bromofluorobenzene (s)	12.225	95	65116	9.18	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 18.36%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.630	59	23652	79.15	ug/L	#	59
3) Ethanol	2.617	45	50948m	787.65	ug/L		
5) dichlorodifluoromethane	1.568	85	132254	11.96	ug/L		99
6) chloromethane	1.650	50	71699	13.01	ug/L		93
7) vinyl chloride	1.759	62	74674	12.15	ug/L		94
8) bromomethane	2.054	96	45679	13.72	ug/L		99
9) chloroethane	2.161	64	34199	14.18	ug/L		88
10) ethyl ether	2.623	59	39314	10.70	ug/L		99
11) acetonitrile	3.316	41	60246	8.78	ug/L		99
12) trichlorofluoromethane	2.378	101	108596	12.34	ug/L		99
13) freon-113	2.943	101	48315	10.08	ug/L		95
14) acrolein	2.781	56	41557	53.56	ug/L		94
15) 1,1-dichloroethene	2.899	96	45187	9.30	ug/L		96
16) acetone	2.924	58	4400	11.12	ug/L	#	55
17) Methyl Acetate	3.297	43	41896	9.99	ug/L		97
18) methylene chloride	3.491	84	50658	9.63	ug/L		90
19) methyl tert butyl ether	3.841	73	89386	8.61	ug/L		98
20) acrylonitrile	3.797	53	15010	9.46	ug/L		88
21) allyl chloride	3.316	41	60246	8.78	ug/L		98
22) trans-1,2-dichloroethene	3.858	96	47072	9.32	ug/L		95
23) iodomethane	3.065	142	98360	9.48	ug/L		95
24) carbon disulfide	3.148	76	143825	9.12	ug/L		99
25) propionitrile	5.650	54	4578	7.56	ug/L		100
26) vinyl acetate	4.580	43	133873	8.84	ug/L		96
27) chloroprene	4.635	53	66134	8.75	ug/L		91
28) di-isopropyl ether	4.620	45	129281	9.39	ug/L		88
29) methacrylonitrile	5.920	41	23760	8.75	ug/L		87
30) 2-butanone	5.535	72	3276	7.37	ug/L	#	89
31) Hexane	4.263	41	37872	9.53	ug/L		91
32) 1,1-dichloroethane	4.529	63	85068	9.67	ug/L		96
33) tert-butyl ethyl ether	5.276	59	81809	8.13	ug/L		98
34) isobutyl alcohol	4.580	43	133873	44.16	ug/L		77
35) 2,2-dichloropropane	5.554	77	38540	8.01	ug/L		98
36) cis-1,2-dichloroethene	5.545	96	48131	9.05	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25684.D
Acq On : 24 Nov 2013 5:35 pm
Operator : amym
Sample : ic978-10
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 25 07:57:11 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.577	43	133876m	8.83	ug/L		
38) bromochloromethane	5.963	128	27103	9.30	ug/L		89
39) chloroform	6.177	83	92608	9.30	ug/L		97
41) Tetrahydrofuran	5.964	42	8089	8.33	ug/L		84
42) 1,1,1-trichloroethane	6.425	97	68640	8.44	ug/L		92
44) Cyclohexane	6.539	56	66713	9.30	ug/L	#	84
45) carbon tetrachloride	6.677	117	66393	7.67	ug/L		97
46) 1,1-dichloropropene	6.683	75	59364	8.41	ug/L		99
47) benzene	7.002	78	160053	8.57	ug/L		100
48) 1,2-dichloroethane	7.126	62	73567	9.31	ug/L		97
49) tert-amyl methyl ether	7.288	73	63252	7.36	ug/L		95
50) heptane	7.557	43	37828	8.46	ug/L		93
51) trichloroethene	8.031	95	47418	8.51	ug/L		97
52) 1,2-dichloropropane	8.379	63	43584	8.50	ug/L		99
53) dibromomethane	8.483	93	30435	8.53	ug/L		92
54) bromodichloromethane	8.733	83	59766	7.53	ug/L		96
55) Methylcyclohexane	8.340	83	54223	7.98	ug/L		93
56) 2-chloroethyl vinyl ether	9.109	63	2564	4.47	ug/L	#	45
57) methyl methacrylate	8.513	69	20288	6.71	ug/L		91
58) 1,4-dioxane	8.491	88	1347	28.48	ug/L		90
59) cis-1,3-dichloropropene	9.261	75	55573	6.64	ug/L		94
61) 4-methyl-2-pentanone	9.446	43	27045	7.39	ug/L		94
62) toluene	9.625	92	103986	8.55	ug/L		100
63) trans-1,3-dichloropropene	9.913	75	46304	6.13	ug/L		98
64) 1,1,2-trichloroethane	10.117	83	33533	8.34	ug/L		97
65) ethyl methacrylate	9.993	69	39468	6.61	ug/L		94
67) tetrachloroethene	10.178	166	55686	8.64	ug/L		99
68) 1,3-dichloropropane	10.280	76	63636	8.48	ug/L		99
69) dibromochloromethane	10.500	129	43922	6.58	ug/L		98
70) 1,2-dibromoethane	10.609	107	41163	7.85	ug/L		96
71) 2-hexanone	10.353	43	18146	6.62	ug/L		93
72) chlorobenzene	11.106	112	139863	9.45	ug/L		98
73) 1,1,1,2-tetrachloroethane	11.205	131	46009	7.59	ug/L		97
74) ethylbenzene	11.210	91	210019	8.64	ug/L		99
75) m,p-xylene	11.342	106	168685	17.42	ug/L		99
76) o-xylene	11.709	106	80434	8.12	ug/L		100
77) styrene	11.729	104	135523	8.11	ug/L		99
78) bromoform	11.903	173	27110	5.54	ug/L		98
79) trans-1,4-dichloro-2-b...	12.120	53	7440	4.09	ug/L	#	69
81) isopropylbenzene	12.060	105	214279	9.13	ug/L		96
83) bromobenzene	12.351	156	63532	9.09	ug/L		94
84) 1,1,2,2-tetrachloroethane	12.355	83	49992	9.03	ug/L		99
85) 1,2,3-trichloropropane	12.397	75	53319	7.56	ug/L		99
86) n-propylbenzene	12.449	91	248935	9.99	ug/L		97
87) 2-chlorotoluene	12.527	91	163299	9.17	ug/L		99
88) 4-chlorotoluene	12.639	91	189703	9.29	ug/L		99
89) 1,3,5-trimethylbenzene	12.618	105	189025	9.16	ug/L		99
90) tert-butylbenzene	12.904	91	104788	8.45	ug/L		95
91) 1,2,4-trimethylbenzene	12.958	105	192494	9.04	ug/L		99
92) sec-butylbenzene	13.107	105	220348	9.43	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25684.D
Acq On : 24 Nov 2013 5:35 pm
Operator : amym
Sample : ic978-10
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 25 07:57:11 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

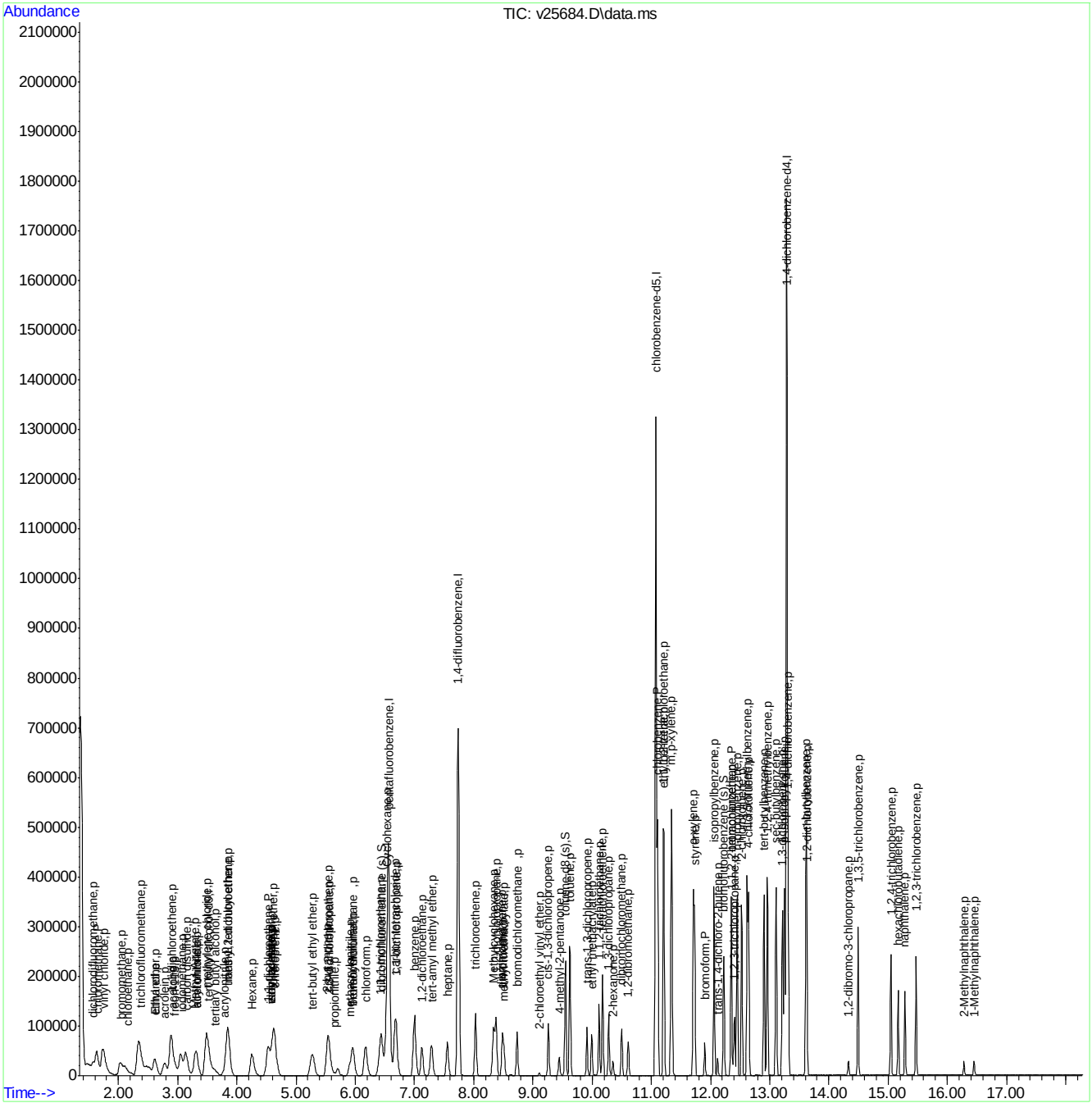
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	13.215	146	119773	9.19	ug/L	100
94) p-isopropyltoluene	13.249	119	185480	8.91	ug/L	99
95) 1,4-dichlorobenzene	13.310	146	122509	9.52	ug/L	99
96) 1,2-dichlorobenzene	13.627	146	118802	9.70	ug/L	99
97) n-butylbenzene	13.613	91	157323	8.77	ug/L	97
98) 1,2-dibromo-3-chloropr...	14.329	75	6275	6.42	ug/L	93
99) 1,3,5-trichlorobenzene	14.493	180	82858	9.45	ug/L	98
100) 1,2,4-trichlorobenzene	15.049	180	71102	9.05	ug/L	100
101) hexachlorobutadiene	15.171	225	32666	9.61	ug/L	98
102) naphthalene	15.284	128	114211	7.30	ug/L	100
103) 1,2,3-trichlorobenzene	15.472	180	66528	9.56	ug/L	95
104) 2-Methylnaphthalene	16.282	142	14781	2.21	ug/L	98
105) 1-Methylnaphthalene	16.452	142	14066	2.75	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25684.D
Acq On : 24 Nov 2013 5:35 pm
Operator : amym
Sample : ic978-10
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 25 07:57:11 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration



V25685.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski 11/25/13 09:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25685.D
Acq On : 24 Nov 2013 6:02 pm
Operator : amym
Sample : icc978-50
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 25 07:51:25 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.522	65	125590	500.00	ug/L	#	0.00
4) pentafluorobenzene	6.560	168	573157	50.00	ug/L		0.00
43) 1,4-difluorobenzene	7.738	114	746939	50.00	ug/L		0.00
66) chlorobenzene-d5	11.076	82	376286	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.288	152	441359	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	6.443	113	280420	48.78	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.56%				
60) toluene-d8 (s)	9.548	98	824221	47.08	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.16%				
82) bromofluorobenzene (s)	12.225	95	361841	45.65	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.30%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.632	59	159965	454.11	ug/L	#	70
3) Ethanol	2.630	45	279528m	3665.81	ug/L		
5) dichlorodifluoromethane	1.579	85	674371	57.99	ug/L		100
6) chloromethane	1.651	50	362312	62.56	ug/L		98
7) vinyl chloride	1.757	62	366281	56.66	ug/L		99
8) bromomethane	2.052	96	223529	63.87	ug/L		96
9) chloroethane	2.153	64	155333	61.28	ug/L		96
10) ethyl ether	2.623	59	225465	58.37	ug/L		95
11) acetonitrile	3.316	41	378517	52.44	ug/L		96
12) trichlorofluoromethane	2.376	101	536473	57.99	ug/L		99
13) freon-113	2.962	101	287384	57.00	ug/L		99
14) acrolein	2.779	56	230281	282.32	ug/L		98
15) 1,1-dichloroethene	2.899	96	268409	52.56	ug/L		97
16) acetone	2.929	58	24119	57.97	ug/L		91
17) Methyl Acetate	3.297	43	258596	58.66	ug/L		96
18) methylene chloride	3.491	84	290768	52.55	ug/L		95
19) methyl tert butyl ether	3.839	73	562628	51.56	ug/L		99
20) acrylonitrile	3.794	53	93376	56.00	ug/L		99
21) allyl chloride	3.316	41	378517	52.44	ug/L		94
22) trans-1,2-dichloroethene	3.858	96	269124	50.71	ug/L		92
23) iodomethane	3.063	142	579121	53.12	ug/L		99
24) carbon disulfide	3.146	76	847068	51.10	ug/L		100
25) propionitrile	5.649	54	32799	51.55	ug/L		100
26) vinyl acetate	4.573	43	836222	52.53	ug/L		98
27) chloroprene	4.634	53	403121	50.70	ug/L		91
28) di-isopropyl ether	4.619	45	777222	53.69	ug/L		93
29) methacrylonitrile	5.916	41	154665	54.16	ug/L		96
30) 2-butanone	5.531	72	23563	50.41	ug/L	#	80
31) Hexane	4.262	41	224876	53.84	ug/L		88
32) 1,1-dichloroethane	4.528	63	491369	53.12	ug/L		99
33) tert-butyl ethyl ether	5.275	59	530306	50.15	ug/L		99
34) isobutyl alcohol	4.573	43	836222	262.38	ug/L		94
35) 2,2-dichloropropane	5.554	77	240452	47.56	ug/L		99
36) cis-1,2-dichloroethene	5.544	96	280249	50.11	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25685.D
Acq On : 24 Nov 2013 6:02 pm
Operator : amym
Sample : icc978-50
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 25 07:51:25 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.570	43	836236m	52.48	ug/L		
38) bromochloromethane	5.961	128	156893	51.23	ug/L		95
39) chloroform	6.176	83	530807	50.73	ug/L		99
41) Tetrahydrofuran	5.957	42	57086	55.93	ug/L		97
42) 1,1,1-trichloroethane	6.424	97	424608	49.67	ug/L		97
44) Cyclohexane	6.543	56	374963	49.45	ug/L	#	95
45) carbon tetrachloride	6.679	117	415641	45.44	ug/L		99
46) 1,1-dichloropropene	6.682	75	349460	46.86	ug/L		98
47) benzene	7.001	78	933135	47.29	ug/L		100
48) 1,2-dichloroethane	7.123	62	418970	50.17	ug/L		97
49) tert-amyl methyl ether	7.287	73	421373	46.36	ug/L		96
50) heptane	7.556	43	235653	49.84	ug/L		94
51) trichloroethene	8.030	95	278849	47.34	ug/L		97
52) 1,2-dichloropropane	8.379	63	258361	47.70	ug/L		99
53) dibromomethane	8.482	93	181601	48.13	ug/L		97
54) bromodichloromethane	8.733	83	379038	45.20	ug/L		97
55) Methylcyclohexane	8.340	83	348538	48.55	ug/L		95
56) 2-chloroethyl vinyl ether	9.108	63	28726	47.41	ug/L		98
57) methyl methacrylate	8.510	69	143422	44.90	ug/L		96
58) 1,4-dioxane	8.499	88	10765	215.29	ug/L		90
59) cis-1,3-dichloropropene	9.260	75	397356	44.93	ug/L		96
61) 4-methyl-2-pentanone	9.444	43	200260	51.76	ug/L		95
62) toluene	9.624	92	609733	47.43	ug/L		98
63) trans-1,3-dichloropropene	9.912	75	344004	43.05	ug/L		98
64) 1,1,2-trichloroethane	10.118	83	203141	47.77	ug/L		97
65) ethyl methacrylate	9.992	69	291038	46.14	ug/L		94
67) tetrachloroethene	10.177	166	318037	46.51	ug/L		98
68) 1,3-dichloropropane	10.279	76	382477	48.00	ug/L		99
69) dibromochloromethane	10.500	129	306670	43.31	ug/L		99
70) 1,2-dibromoethane	10.609	107	259175	46.57	ug/L		100
71) 2-hexanone	10.351	43	140844	48.42	ug/L		92
72) chlorobenzene	11.105	112	783394	49.87	ug/L		97
73) 1,1,1,2-tetrachloroethane	11.205	131	296341	46.07	ug/L		98
74) ethylbenzene	11.210	91	1265544	49.06	ug/L		100
75) m,p-xylene	11.341	106	998375	97.11	ug/L		99
76) o-xylene	11.708	106	505645	48.11	ug/L		98
77) styrene	11.729	104	834777	47.06	ug/L		100
78) bromoform	11.903	173	206807	39.80	ug/L		98
79) trans-1,4-dichloro-2-b...	12.120	53	68842	35.67	ug/L		84
81) isopropylbenzene	12.060	105	1343027	51.18	ug/L		97
83) bromobenzene	12.350	156	383289	49.06	ug/L		96
84) 1,1,2,2-tetrachloroethane	12.355	83	311587	50.35	ug/L		99
85) 1,2,3-trichloropropane	12.398	75	304689m	38.68	ug/L		
86) n-propylbenzene	12.448	91	1543996	55.47	ug/L		96
87) 2-chlorotoluene	12.527	91	968651	48.69	ug/L		99
88) 4-chlorotoluene	12.639	91	1126969	49.36	ug/L		99
89) 1,3,5-trimethylbenzene	12.618	105	1163770	50.48	ug/L		98
90) tert-butylbenzene	12.904	91	655083	47.30	ug/L		99
91) 1,2,4-trimethylbenzene	12.958	105	1178447	49.53	ug/L		99
92) sec-butylbenzene	13.107	105	1386753	53.11	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25685.D
Acq On : 24 Nov 2013 6:02 pm
Operator : amym
Sample : icc978-50
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 25 07:51:25 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

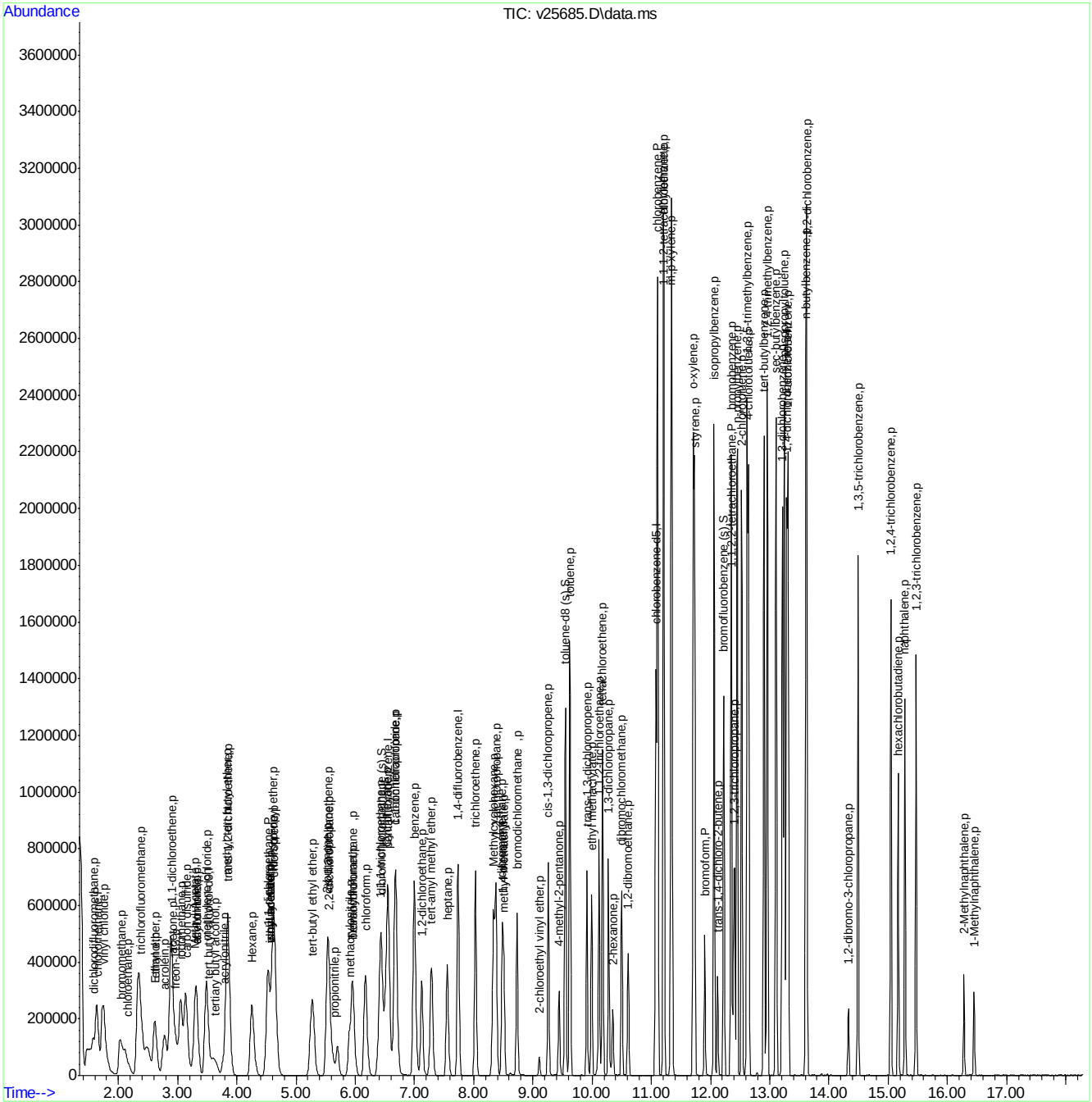
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	13.215	146	719293	49.40	ug/L	99
94) p-isopropyltoluene	13.248	119	1177975	50.67	ug/L	99
95) 1,4-dichlorobenzene	13.310	146	726162	50.48	ug/L	98
96) 1,2-dichlorobenzene	13.627	146	717291	52.40	ug/L	98
97) n-butylbenzene	13.613	91	1015260	50.66	ug/L	99
98) 1,2-dibromo-3-chloropr...	14.329	75	48340	44.28	ug/L	95
99) 1,3,5-trichlorobenzene	14.493	180	510842	52.16	ug/L	100
100) 1,2,4-trichlorobenzene	15.049	180	463306	52.78	ug/L	99
101) hexachlorobutadiene	15.170	225	193173	50.86	ug/L	98
102) naphthalene	15.283	128	880500	50.34	ug/L	100
103) 1,2,3-trichlorobenzene	15.472	180	409151	52.60	ug/L	98
104) 2-Methylnaphthalene	16.282	142	153633	20.56	ug/L	100
105) 1-Methylnaphthalene	16.452	142	132806	23.23	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25685.D
Acq On : 24 Nov 2013 6:02 pm
Operator : amym
Sample : icc978-50
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 25 07:51:25 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 11/25/13 09:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25686.D
Acq On : 24 Nov 2013 6:29 pm
Operator : amym
Sample : ic978-100
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 25 07:53:03 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.518	65	146742	500.00	ug/L	#	0.00
4) pentafluorobenzene	6.561	168	612752	50.00	ug/L		0.00
43) 1,4-difluorobenzene	7.739	114	807688	50.00	ug/L		0.00
66) chlorobenzene-d5	11.075	82	410403	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.287	152	511905	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	6.446	113	621413	101.12	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 202.24%#				
60) toluene-d8 (s)	9.549	98	1872445	98.91	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 197.82%#				
82) bromofluorobenzene (s)	12.224	95	855911	93.09	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 186.18%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.629	59	395638	961.24	ug/L	#	77
3) Ethanol	2.630	45	603883m	6777.94	ug/L		
5) dichlorodifluoromethane	1.585	85	1503723	120.96	ug/L		98
6) chloromethane	1.654	50	764942	123.54	ug/L		99
7) vinyl chloride	1.759	62	808441	116.99	ug/L		100
8) bromomethane	2.054	96	480662	128.47	ug/L		99
9) chloroethane	2.164	64	331077	122.17	ug/L		96
10) ethyl ether	2.624	59	476675	115.42	ug/L		98
11) acetonitrile	3.315	41	804933	104.32	ug/L		95
12) trichlorofluoromethane	2.386	101	1218241	123.19	ug/L		100
13) freon-113	2.954	101	572247m	106.17	ug/L		
14) acrolein	2.778	56	525982	603.17	ug/L		97
15) 1,1-dichloroethene	2.911	96	562665	103.06	ug/L		96
16) acetone	2.931	58	52571	118.20	ug/L	#	75
17) Methyl Acetate	3.295	43	549932	116.69	ug/L		99
18) methylene chloride	3.494	84	609907	103.10	ug/L		97
19) methyl tert butyl ether	3.837	73	1227726	105.23	ug/L		99
20) acrylonitrile	3.794	53	203339	114.06	ug/L		99
21) allyl chloride	3.315	41	804933	104.32	ug/L		99
22) trans-1,2-dichloroethene	3.858	96	570713	100.59	ug/L		95
23) iodomethane	3.069	142	1209450	103.77	ug/L		99
24) carbon disulfide	3.146	76	1734065	97.85	ug/L		100
25) propionitrile	5.655	54	74318	109.26	ug/L		100
26) vinyl acetate	4.575	43	1836694	107.92	ug/L		98
27) chloroprene	4.637	53	852926	100.35	ug/L		94
28) di-isopropyl ether	4.618	45	1653959	106.87	ug/L		94
29) methacrylonitrile	5.921	41	348551	114.18	ug/L		92
30) 2-butanone	5.537	72	55339	110.73	ug/L	#	85
31) Hexane	4.263	41	466294	104.42	ug/L		90
32) 1,1-dichloroethane	4.530	63	1032536	104.41	ug/L		100
33) tert-butyl ethyl ether	5.274	59	1152424	101.95	ug/L		99
34) isobutyl alcohol	4.575	43	1836675	539.06	ug/L		93
35) 2,2-dichloropropane	5.553	77	539309	99.77	ug/L		97
36) cis-1,2-dichloroethene	5.545	96	600375	100.41	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25686.D
Acq On : 24 Nov 2013 6:29 pm
Operator : amym
Sample : ic978-100
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 25 07:53:03 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.577	43	1834122m	107.67	ug/L		
38) bromochloromethane	5.963	128	334303	102.11	ug/L		97
39) chloroform	6.178	83	1131140	101.12	ug/L		99
41) Tetrahydrofuran	5.961	42	129314	118.50	ug/L		96
42) 1,1,1-trichloroethane	6.422	97	912966	99.90	ug/L		98
44) Cyclohexane	6.545	56	777570	94.83	ug/L		96
45) carbon tetrachloride	6.677	117	901260	91.11	ug/L		100
46) 1,1-dichloropropene	6.686	75	759566	94.20	ug/L		98
47) benzene	7.003	78	2016375	94.49	ug/L		100
48) 1,2-dichloroethane	7.127	62	908443	100.60	ug/L		98
49) tert-amyl methyl ether	7.286	73	933138	94.94	ug/L		96
50) heptane	7.556	43	512811	100.31	ug/L		96
51) trichloroethene	8.032	95	607477	95.38	ug/L		97
52) 1,2-dichloropropane	8.379	63	564362	96.35	ug/L		100
53) dibromomethane	8.483	93	401092	98.30	ug/L		97
54) bromodichloromethane	8.733	83	854383	94.23	ug/L		99
55) Methylcyclohexane	8.342	83	758176	97.67	ug/L		97
56) 2-chloroethyl vinyl ether	9.108	63	55190	84.24	ug/L		98
57) methyl methacrylate	8.510	69	341903	98.99	ug/L		94
58) 1,4-dioxane	8.512	88	28080	519.34	ug/L	#	48
59) cis-1,3-dichloropropene	9.260	75	918802	96.08	ug/L		96
61) 4-methyl-2-pentanone	9.443	43	468252	111.93	ug/L		95
62) toluene	9.624	92	1320486	94.99	ug/L		99
63) trans-1,3-dichloropropene	9.911	75	826641	95.68	ug/L		98
64) 1,1,2-trichloroethane	10.117	83	454746	98.90	ug/L		97
65) ethyl methacrylate	9.991	69	686892	100.70	ug/L		95
67) tetrachloroethene	10.177	166	699415	93.78	ug/L		98
68) 1,3-dichloropropane	10.279	76	857486	98.67	ug/L		100
69) dibromochloromethane	10.499	129	720577	93.31	ug/L		100
70) 1,2-dibromoethane	10.608	107	599233	98.72	ug/L		100
71) 2-hexanone	10.350	43	336757	106.15	ug/L		94
72) chlorobenzene	11.105	112	1712737	99.97	ug/L		98
73) 1,1,1,2-tetrachloroethane	11.205	131	665104	94.81	ug/L		98
74) ethylbenzene	11.210	91	2812099	99.95	ug/L		99
75) m,p-xylene	11.341	106	2244457	200.16	ug/L		100
76) o-xylene	11.708	106	1124870	98.12	ug/L		99
77) styrene	11.729	104	1899488	98.18	ug/L		100
78) bromoform	11.902	173	525202	92.66	ug/L		99
79) trans-1,4-dichloro-2-b...	12.119	53	191346	90.91	ug/L		90
81) isopropylbenzene	12.060	105	3026028	99.43	ug/L		97
83) bromobenzene	12.350	156	872838	96.33	ug/L		97
84) 1,1,2,2-tetrachloroethane	12.355	83	740320	103.14	ug/L		99
85) 1,2,3-trichloropropane	12.398	75	768252m	84.08	ug/L		
86) n-propylbenzene	12.448	91	3565566	110.44	ug/L		96
87) 2-chlorotoluene	12.527	91	2237940	97.00	ug/L		100
88) 4-chlorotoluene	12.639	91	2652783	100.18	ug/L		99
89) 1,3,5-trimethylbenzene	12.618	105	2706930	101.24	ug/L		98
90) tert-butylbenzene	12.903	91	1538654	95.79	ug/L		97
91) 1,2,4-trimethylbenzene	12.958	105	2763842	100.17	ug/L		98
92) sec-butylbenzene	13.107	105	3243702	107.11	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25686.D
Acq On : 24 Nov 2013 6:29 pm
Operator : amym
Sample : ic978-100
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 25 07:53:03 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

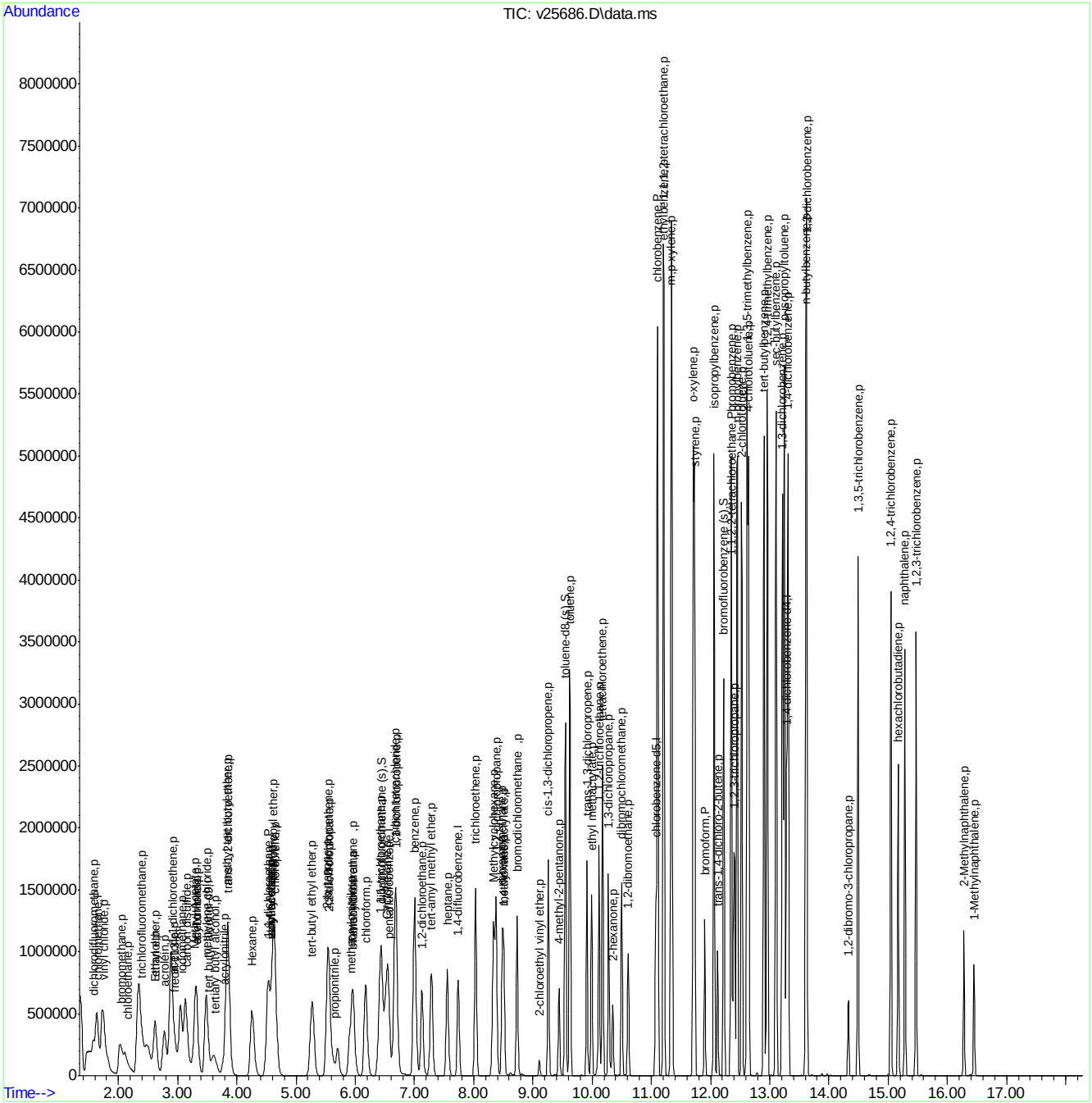
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	13.215	146	1686824	99.88	ug/L	99
94)	p-isopropyltoluene	13.247	119	2818730	104.53	ug/L	99
95)	1,4-dichlorobenzene	13.310	146	1724446	103.36	ug/L	99
96)	1,2-dichlorobenzene	13.627	146	1661475	104.64	ug/L	99
97)	n-butylbenzene	13.612	91	2371908	102.04	ug/L	98
98)	1,2-dibromo-3-chloropr...	14.328	75	128920	101.82	ug/L	97
99)	1,3,5-trichlorobenzene	14.493	180	1172910	103.25	ug/L	99
100)	1,2,4-trichlorobenzene	15.048	180	1100665	108.12	ug/L	99
101)	hexachlorobutadiene	15.170	225	461305	104.71	ug/L	97
102)	naphthalene	15.282	128	2270037	111.90	ug/L	100
103)	1,2,3-trichlorobenzene	15.472	180	1002099	111.07	ug/L	99
104)	2-Methylnaphthalene	16.281	142	505397	58.31	ug/L	100
105)	1-Methylnaphthalene	16.451	142	411175	62.01	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25686.D
Acq On : 24 Nov 2013 6:29 pm
Operator : amym
Sample : ic978-100
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 25 07:53:03 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
11/25/13 09:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25687.D
Acq On : 24 Nov 2013 6:55 pm
Operator : amym
Sample : ic978-200
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 25 07:54:14 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.520	65	134430	500.00	ug/L	# 0.00
4) pentafluorobenzene	6.562	168	655923	50.00	ug/L	0.00
43) 1,4-difluorobenzene	7.740	114	854537	50.00	ug/L	0.00
66) chlorobenzene-d5	11.075	82	435296	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	13.287	152	570244	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	6.448	113	1299038	197.47	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 394.94%#			
60) toluene-d8 (s)	9.549	98	3923095	195.86	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 391.72%#			
82) bromofluorobenzene (s)	12.224	95	1840568	179.71	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 359.42%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	3.633	59	749741	1988.39	ug/L #	79
3) Ethanol	2.639	45	1160690	14220.64	ug/L #	100
5) dichlorodifluoromethane	1.587	85	2880064	216.42	ug/L	99
6) chloromethane	1.647	50	1382538m	208.59	ug/L	
7) vinyl chloride	1.757	62	1592553	215.28	ug/L	100
8) bromomethane	2.052	96	938281	234.27	ug/L	96
9) chloroethane	2.164	64	646042	222.70	ug/L	99
10) ethyl ether	2.626	59	947675	214.37	ug/L	97
11) acetonitrile	3.315	41	1667287	201.85	ug/L	97
12) trichlorofluoromethane	2.389	101	2290102	216.33	ug/L	97
13) freon-113	2.967	101	1180714m	204.64	ug/L	
14) acrolein	2.781	56	1001057	1072.40	ug/L	98
15) 1,1-dichloroethene	2.917	96	1179629	201.84	ug/L	97
16) acetone	2.933	58	99737	209.48	ug/L #	85
17) Methyl Acetate	3.299	43	1047707	207.69	ug/L	100
18) methylene chloride	3.495	84	1264483	199.69	ug/L	97
19) methyl tert butyl ether	3.839	73	2371604	189.90	ug/L	98
20) acrylonitrile	3.796	53	392099	205.46	ug/L	98
21) allyl chloride	3.315	41	1664963	201.57	ug/L	97
22) trans-1,2-dichloroethene	3.859	96	1204412	198.31	ug/L	97
23) iodomethane	3.068	142	2501342m	200.48	ug/L	
24) carbon disulfide	3.146	76	3621095	190.89	ug/L	99
25) propionitrile	5.656	54	146364	201.02	ug/L	100
26) vinyl acetate	4.578	43	3744615	205.55	ug/L	100
27) chloroprene	4.640	53	1810065	198.94	ug/L	95
28) di-isopropyl ether	4.621	45	3414845	206.12	ug/L	95
29) methacrylonitrile	5.923	41	677169	207.22	ug/L	93
30) 2-butanone	5.540	72	108276	202.40	ug/L	95
31) Hexane	4.264	41	953304	199.43	ug/L	93
32) 1,1-dichloroethane	4.531	63	2143723	202.50	ug/L	100
33) tert-butyl ethyl ether	5.276	59	2333105	192.81	ug/L	100
34) isobutyl alcohol	4.578	43	3744462	1026.66	ug/L	99
35) 2,2-dichloropropane	5.553	77	1113500	192.44	ug/L	99
36) cis-1,2-dichloroethene	5.548	96	1267573	198.05	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25687.D
Acq On : 24 Nov 2013 6:55 pm
Operator : amym
Sample : ic978-200
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 25 07:54:14 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.577	43	3738974m	205.04	ug/L		
38) bromochloromethane	5.966	128	704468	201.01	ug/L		97
39) chloroform	6.181	83	2387974	199.42	ug/L		100
41) Tetrahydrofuran	5.963	42	245582	210.23	ug/L		98
42) 1,1,1-trichloroethane	6.422	97	1901064	194.33	ug/L		98
44) Cyclohexane	6.551	56	1645259	189.66	ug/L		97
45) carbon tetrachloride	6.680	117	1964354	187.69	ug/L		98
46) 1,1-dichloropropene	6.687	75	1641656	192.43	ug/L		99
47) benzene	7.005	78	4348700	192.62	ug/L		100
48) 1,2-dichloroethane	7.128	62	1903898	199.27	ug/L		99
49) tert-amyl methyl ether	7.288	73	1922047	184.84	ug/L		97
50) heptane	7.556	43	1077203	199.15	ug/L		97
51) trichloroethene	8.032	95	1303487	193.44	ug/L		98
52) 1,2-dichloropropane	8.380	63	1215271	196.10	ug/L		100
53) dibromomethane	8.483	93	847123	196.23	ug/L		98
54) bromodichloromethane	8.734	83	1864757	194.38	ug/L		99
55) Methylcyclohexane	8.343	83	1575629	191.84	ug/L		97
56) 2-chloroethyl vinyl ether	9.108	63	77302	111.52	ug/L		98
57) methyl methacrylate	8.510	69	706980	193.46	ug/L		96
58) 1,4-dioxane	8.508	88	56855	993.88	ug/L	#	44
59) cis-1,3-dichloropropene	9.260	75	2013298	198.98	ug/L		97
61) 4-methyl-2-pentanone	9.443	43	910386	205.69	ug/L		96
62) toluene	9.624	92	2871218	195.21	ug/L		98
63) trans-1,3-dichloropropene	9.911	75	1813338	198.38	ug/L		98
64) 1,1,2-trichloroethane	10.118	83	961884	197.72	ug/L		97
65) ethyl methacrylate	9.991	69	1437562	199.19	ug/L		98
67) tetrachloroethene	10.177	166	1522408	192.47	ug/L		98
68) 1,3-dichloropropane	10.279	76	1809874	196.36	ug/L		99
69) dibromochloromethane	10.499	129	1574993	192.29	ug/L		99
70) 1,2-dibromoethane	10.608	107	1264777	196.46	ug/L		100
71) 2-hexanone	10.349	43	665430	197.76	ug/L		94
72) chlorobenzene	11.105	112	3660148	201.43	ug/L		98
73) 1,1,1,2-tetrachloroethane	11.205	131	1482193	199.21	ug/L		99
74) ethylbenzene	11.210	91	6231944	208.84	ug/L		99
75) m,p-xylene	11.341	106	4917254	413.45	ug/L		98
76) o-xylene	11.708	106	2440380	200.70	ug/L		100
77) styrene	11.729	104	4230075	206.14	ug/L		99
78) bromoform	11.902	173	1155568	192.22	ug/L		99
79) trans-1,4-dichloro-2-b...	12.119	53	438465	196.40	ug/L		94
81) isopropylbenzene	12.059	105	6612388	195.05	ug/L		97
83) bromobenzene	12.350	156	1897584	188.00	ug/L		95
84) 1,1,2,2-tetrachloroethane	12.355	83	1523076	190.49	ug/L		99
85) 1,2,3-trichloropropane	12.395	75	1916816	188.33	ug/L		100
86) n-propylbenzene	12.448	91	7871741	218.88	ug/L		96
87) 2-chlorotoluene	12.527	91	4970721	193.40	ug/L		98
88) 4-chlorotoluene	12.638	91	5946243	201.58	ug/L		99
89) 1,3,5-trimethylbenzene	12.618	105	6042091	202.85	ug/L		97
90) tert-butylbenzene	12.904	91	3429684	191.66	ug/L		98
91) 1,2,4-trimethylbenzene	12.958	105	6149311	200.06	ug/L		98
92) sec-butylbenzene	13.107	105	7170196	212.53	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25687.D
Acq On : 24 Nov 2013 6:55 pm
Operator : amym
Sample : ic978-200
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 25 07:54:14 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

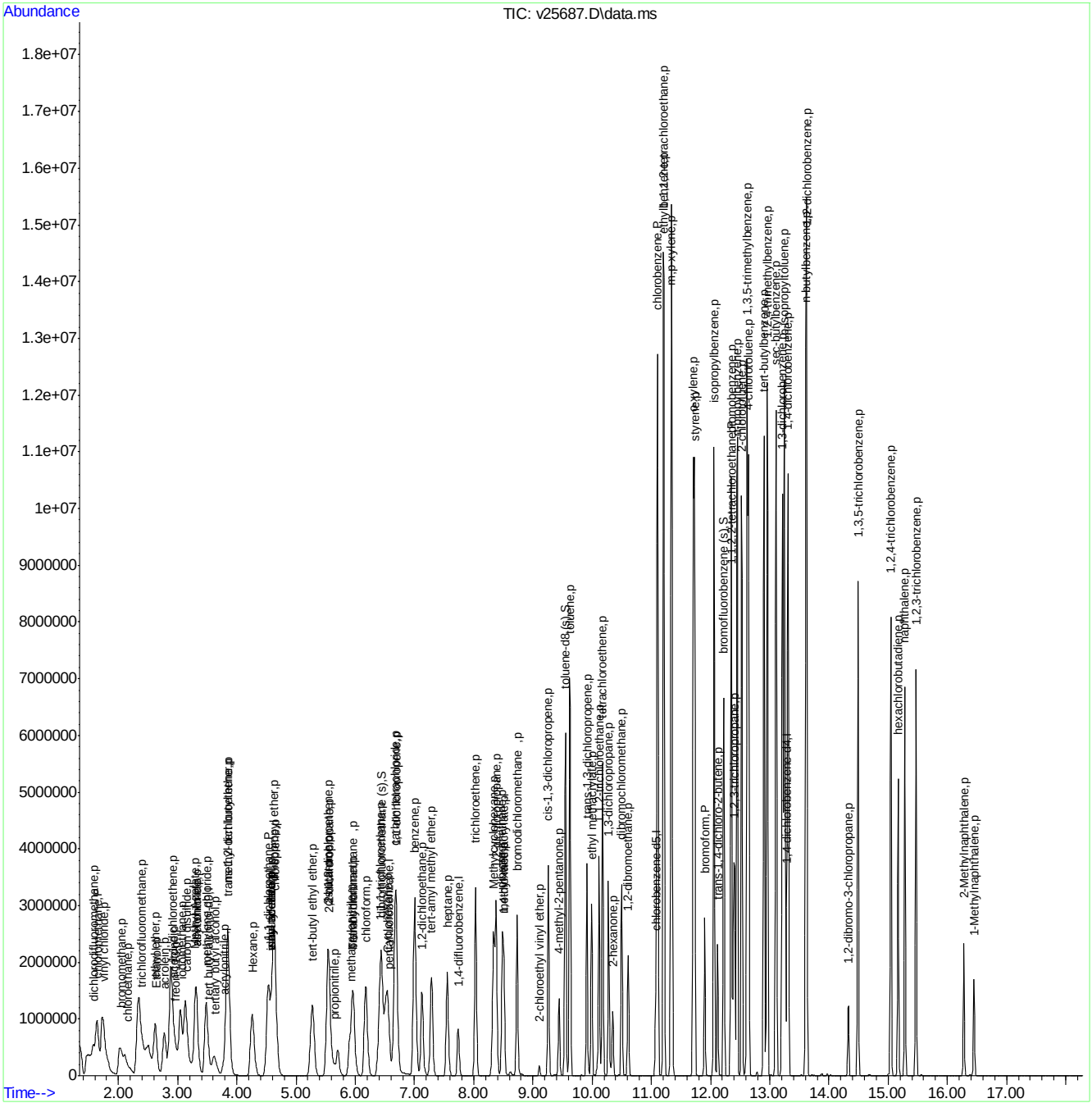
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	13.215	146	3728962	198.20	ug/L	99
94) p-isopropyltoluene	13.247	119	6181581	205.78	ug/L	99
95) 1,4-dichlorobenzene	13.310	146	3746999	201.60	ug/L	99
96) 1,2-dichlorobenzene	13.627	146	3626116	205.01	ug/L	99
97) n-butylbenzene	13.612	91	5197543	200.72	ug/L	98
98) 1,2-dibromo-3-chloropr...	14.328	75	262285	185.95	ug/L	88
99) 1,3,5-trichlorobenzene	14.493	180	2493811	197.07	ug/L	100
100) 1,2,4-trichlorobenzene	15.048	180	2293537	202.25	ug/L	100
101) hexachlorobutadiene	15.169	225	948801	193.33	ug/L	98
102) naphthalene	15.282	128	4506188	199.41	ug/L	100
103) 1,2,3-trichlorobenzene	15.471	180	2048014	203.77	ug/L	99
104) 2-Methylnaphthalene	16.280	142	1014502	105.06	ug/L	99
105) 1-Methylnaphthalene	16.450	142	795211	107.66	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25687.D
Acq On : 24 Nov 2013 6:55 pm
Operator : amym
Sample : ic978-200
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 25 07:54:14 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/25/13 09:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25688.D
Acq On : 24 Nov 2013 7:21 pm
Operator : amym
Sample : ic978-400
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 25 07:58:03 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.517	65	148859	500.00	ug/L	# 0.00
4) pentafluorobenzene	6.560	168	732131	50.00	ug/L	0.00
43) 1,4-difluorobenzene	7.740	114	953788	50.00	ug/L	0.00
66) chlorobenzene-d5	11.076	82	480785	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	13.288	152	582573	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	6.445	113	2937019	400.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 800.00%#			
60) toluene-d8 (s)	9.550	98	8942444	400.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 800.00%#			
82) bromofluorobenzene (s)	12.225	95	4185327	400.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 800.00%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	3.629	59	1670123	4000.00	ug/L	87
3) Ethanol	2.617	45	2963858m	32793.02	ug/L	
5) dichlorodifluoromethane	1.575	85	5941475	400.00	ug/L	99
6) chloromethane	1.644	50	2959233	400.00	ug/L	97
7) vinyl chloride	1.747	62	3297913	399.41	ug/L	99
8) bromomethane	2.041	96	1788205	400.00	ug/L	98
9) chloroethane	2.146	64	1294889	399.91	ug/L	100
10) ethyl ether	2.618	59	1973777	400.00	ug/L	99
11) acetonitrile	3.308	41	3687842	400.00	ug/L	96
12) trichlorofluoromethane	2.373	101	4726478	400.00	ug/L	100
13) freon-113	2.962	101	2575973	400.00	ug/L	97
14) acrolein	2.772	56	2083804	1999.95	ug/L	98
15) 1,1-dichloroethene	2.898	96	2619788	401.60	ug/L	98
16) acetone	2.929	58	212236	399.37	ug/L	86
17) Methyl Acetate	3.292	43	2252290	400.00	ug/L	100
18) methylene chloride	3.482	84	2827177	400.00	ug/L	98
19) methyl tert butyl ether	3.832	73	5575881	400.00	ug/L	99
20) acrylonitrile	3.788	53	852793	400.36	ug/L	97
21) allyl chloride	3.308	41	3687842	400.00	ug/L	100
22) trans-1,2-dichloroethene	3.851	96	2711657	400.00	ug/L	98
23) iodomethane	3.056	142	5570563	400.00	ug/L	98
24) carbon disulfide	3.134	76	8469440	400.00	ug/L	99
25) propionitrile	5.654	54	324338	399.09	ug/L	100
26) vinyl acetate	4.570	43	8142491m	400.43	ug/L	
27) chloroprene	4.635	53	4062260	400.00	ug/L	97
28) di-isopropyl ether	4.617	45	7396185	399.96	ug/L	94
29) methacrylonitrile	5.920	41	1459008	400.00	ug/L	95
30) 2-butanone	5.538	72	238841	399.99	ug/L	98
31) Hexane	4.259	41	2134249	400.00	ug/L	92
32) 1,1-dichloroethane	4.525	63	4726477	400.00	ug/L	99
33) tert-butyl ethyl ether	5.269	59	5402674	400.00	ug/L	100
34) isobutyl alcohol	4.572	43	8137249	1998.84	ug/L	98
35) 2,2-dichloropropane	5.549	77	2583344	400.00	ug/L	97
36) cis-1,2-dichloroethene	5.543	96	2857429	399.97	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25688.D
Acq On : 24 Nov 2013 7:21 pm
Operator : amym
Sample : ic978-400
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 25 07:58:03 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.570	43	8133686m	399.61	ug/L		
38) bromochloromethane	5.961	128	1564845	400.04	ug/L		99
39) chloroform	6.177	83	5346639	400.02	ug/L		100
41) Tetrahydrofuran	5.961	42	521541	400.00	ug/L		100
42) 1,1,1-trichloroethane	6.420	97	4367764	400.00	ug/L		99
44) Cyclohexane	6.537	56	3737490m	386.00	ug/L		
45) carbon tetrachloride	6.678	117	4672529	400.00	ug/L		100
46) 1,1-dichloropropene	6.686	75	3807054	399.81	ug/L		99
47) benzene	7.005	78	10079678	400.00	ug/L		99
48) 1,2-dichloroethane	7.127	62	4268309	400.26	ug/L		99
49) tert-amyl methyl ether	7.284	73	4642081	399.97	ug/L		98
50) heptane	7.556	43	2414852	400.00	ug/L		98
51) trichloroethene	8.032	95	3008387	400.00	ug/L		98
52) 1,2-dichloropropane	8.381	63	2766805	400.00	ug/L		100
53) dibromomethane	8.483	93	1927365	400.00	ug/L		99
54) bromodichloromethane	8.734	83	4283013	400.00	ug/L		99
55) Methylcyclohexane	8.345	83	3666880	400.00	ug/L		99
56) 2-chloroethyl vinyl ether	9.107	63	309475	400.02	ug/L		99
57) methyl methacrylate	8.510	69	1632592	400.26	ug/L		99
58) 1,4-dioxane	8.518	88	127699	2000.00	ug/L	#	49
59) cis-1,3-dichloropropene	9.260	75	4517217	400.00	ug/L		98
61) 4-methyl-2-pentanone	9.444	43	1975228	399.84	ug/L		97
62) toluene	9.626	92	6566707	400.01	ug/L		100
63) trans-1,3-dichloropropene	9.911	75	4081220	400.02	ug/L		98
64) 1,1,2-trichloroethane	10.119	83	2171941	400.00	ug/L		97
65) ethyl methacrylate	9.992	69	3222076	400.00	ug/L		99
67) tetrachloroethene	10.178	166	3494958	400.04	ug/L		98
68) 1,3-dichloropropane	10.280	76	4072224	400.00	ug/L		99
69) dibromochloromethane	10.500	129	3618602	400.00	ug/L		99
70) 1,2-dibromoethane	10.608	107	2844278	400.00	ug/L		100
71) 2-hexanone	10.350	43	1486589	400.00	ug/L		95
72) chlorobenzene	11.106	112	8027956	400.00	ug/L		97
73) 1,1,1,2-tetrachloroethane	11.208	131	3287212	400.00	ug/L		98
74) ethylbenzene	11.212	91	13183500	399.99	ug/L		95
75) m,p-xylene	11.343	106	10508829	800.00	ug/L	#	70
76) o-xylene	11.709	106	5372125	400.01	ug/L		99
77) styrene	11.730	104	9065779	400.00	ug/L		98
78) bromoform	11.903	173	2655927	400.00	ug/L		99
79) trans-1,4-dichloro-2-b...	12.120	53	986319	400.00	ug/L		96
81) isopropylbenzene	12.061	105	13853760	400.00	ug/L		92
83) bromobenzene	12.351	156	4124785	400.00	ug/L		95
84) 1,1,2,2-tetrachloroethane	12.356	83	3267458	400.00	ug/L		99
85) 1,2,3-trichloropropane	12.398	75	3594774m	345.72	ug/L		
86) n-propylbenzene	12.450	91	14696726	400.00	ug/L		80
87) 2-chlorotoluene	12.530	91	10503008	400.00	ug/L		99
88) 4-chlorotoluene	12.640	91	12054104	400.00	ug/L		98
89) 1,3,5-trimethylbenzene	12.620	105	12171519	399.99	ug/L		96
90) tert-butylbenzene	12.905	91	7312445	400.00	ug/L		95
91) 1,2,4-trimethylbenzene	12.959	105	12560798	400.00	ug/L		100
92) sec-butylbenzene	13.109	105	13786381	400.00	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25688.D
Acq On : 24 Nov 2013 7:21 pm
Operator : amym
Sample : ic978-400
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 25 07:58:03 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration

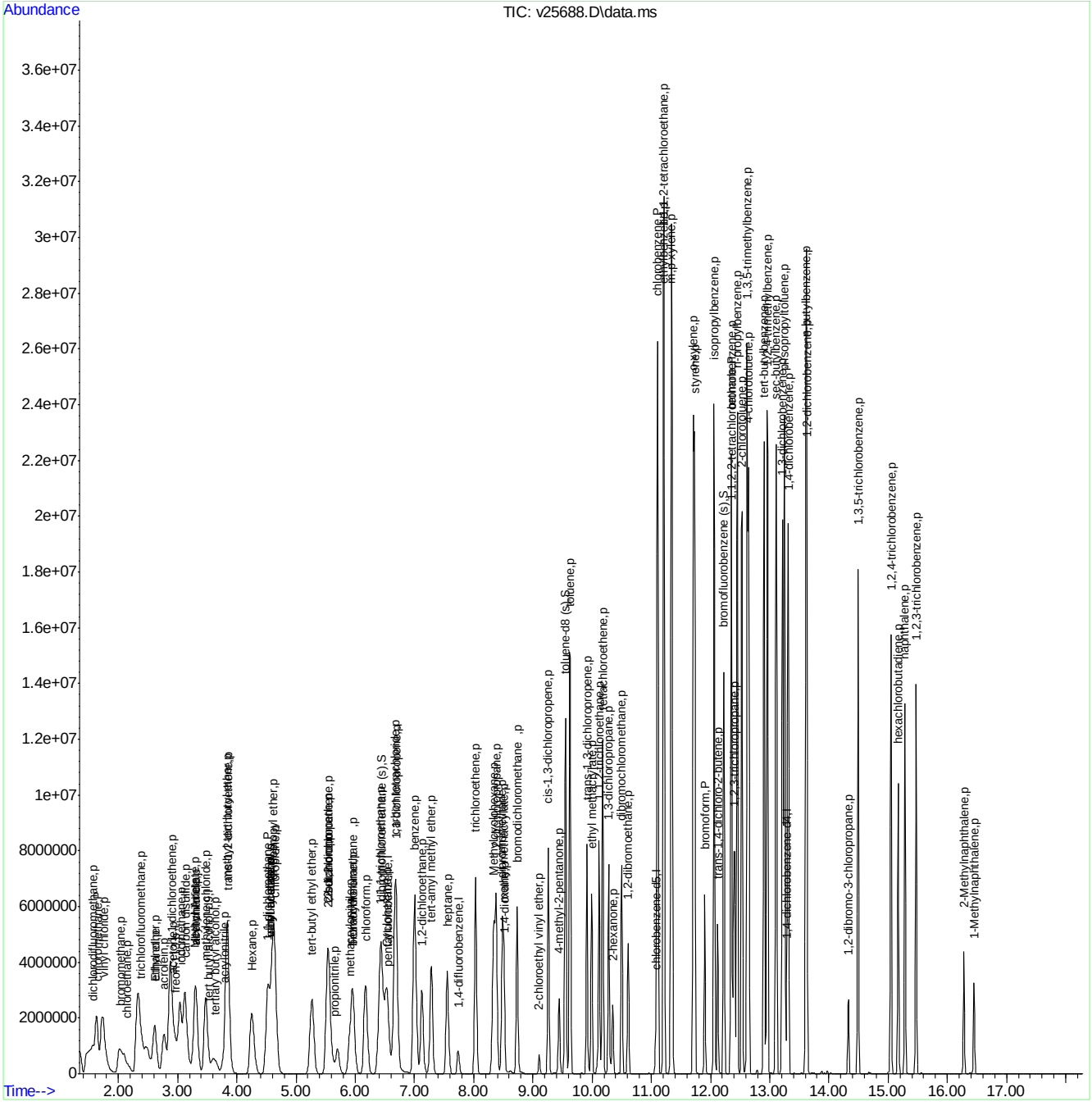
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	13.216	146	7688298	400.00	ug/L	99
94)	p-isopropyltoluene	13.249	119	12275593	400.00	ug/L	96
95)	1,4-dichlorobenzene	13.311	146	7595191	400.00	ug/L	99
96)	1,2-dichlorobenzene	13.628	146	7227856	400.00	ug/L	99
97)	n-butylbenzene	13.613	91	10581954	400.00	ug/L	99
98)	1,2-dibromo-3-chloropr...	14.328	75	576397	400.00	ug/L	97
99)	1,3,5-trichlorobenzene	14.494	180	5171154	400.00	ug/L	99
100)	1,2,4-trichlorobenzene	15.050	180	4634216	400.00	ug/L	100
101)	hexachlorobutadiene	15.171	225	2005524	400.00	ug/L	98
102)	naphthalene	15.284	128	9234548	400.00	ug/L	100
103)	1,2,3-trichlorobenzene	15.473	180	4107193	400.00	ug/L	98
104)	2-Methylnaphthalene	16.281	142	1972943	200.00	ug/L	99
105)	1-Methylnaphthalene	16.451	142	1509238	200.00	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25688.D
Acq On : 24 Nov 2013 7:21 pm
Operator : amym
Sample : ic978-400
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 25 07:58:03 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 07:30:24 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/25/13 09:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25692.D
Acq On : 24 Nov 2013 9:07 pm
Operator : amym
Sample : icv978-50
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 25 08:13:00 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.507	65	125571	500.00	ug/L	#	0.00
4) pentafluorobenzene	6.549	168	590621	50.00	ug/L		-0.01
43) 1,4-difluorobenzene	7.730	114	780893	50.00	ug/L		0.00
66) chlorobenzene-d5	11.072	82	391372	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.286	152	450564	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	6.433	113	300617	52.21	ug/L		-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.42%				
60) toluene-d8 (s)	9.544	98	911031	53.09	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.18%				
82) bromofluorobenzene (s)	12.222	95	393428	52.64	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.28%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.618	59	166933	523.80	ug/L	#	77
3) Ethanol	2.617	45	275462m	4811.14	ug/L		
5) dichlorodifluoromethane	1.570	85	679797	47.88	ug/L		96
6) chloromethane	1.640	50	390425	59.13	ug/L		98
7) vinyl chloride	1.746	62	376580	51.42	ug/L		98
8) bromomethane	2.040	96	253438	60.49	ug/L		99
9) chloroethane	2.138	64	188452m	64.04	ug/L		
10) ethyl ether	2.610	59	227649	47.97	ug/L		98
11) acetonitrile	3.302	41	378476	50.47	ug/L		97
12) trichlorofluoromethane	2.363	101	550969	47.41	ug/L		100
13) freon-113	2.933	101	296323m	55.57	ug/L		
14) acrolein	2.768	56	44539	46.89	ug/L		92
15) 1,1-dichloroethene	2.887	96	282163	52.45	ug/L		94
16) acetone	2.920	58	22404	48.51	ug/L		91
17) Methyl Acetate	3.284	43	179137m	34.56	ug/L		
18) methylene chloride	3.478	84	298618	48.85	ug/L		96
19) methyl tert butyl ether	3.826	73	570186	50.72	ug/L		99
20) acrylonitrile	3.779	53	173574	96.96	ug/L		97
21) allyl chloride	3.302	41	379107	50.56	ug/L		96
22) trans-1,2-dichloroethene	3.844	96	290972	51.11	ug/L		93
23) iodomethane	3.050	142	579025	48.69	ug/L		100
24) carbon disulfide	3.132	76	864562	52.63	ug/L		98
25) propionitrile	5.639	54	31292	51.57	ug/L		100
26) vinyl acetate	4.560	43	822025	49.31	ug/L		98
27) chloroprene	4.619	53	443080	56.68	ug/L		91
28) di-isopropyl ether	4.605	45	778234	50.44	ug/L		95
29) methacrylonitrile	5.904	41	148526	49.75	ug/L		94
30) 2-butanone	5.519	72	23321	47.28	ug/L	#	84
31) Hexane	4.247	41	215759	48.75	ug/L		92
32) 1,1-dichloroethane	4.514	63	518686	50.47	ug/L		99
33) tert-butyl ethyl ether	5.262	59	574163	55.75	ug/L		100
34) isobutyl alcohol	4.560	43	822025	246.57	ug/L		96
35) 2,2-dichloropropane	5.542	77	248376	50.10	ug/L		99
36) cis-1,2-dichloroethene	5.531	96	297282	51.35	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25692.D
Acq On : 24 Nov 2013 9:07 pm
Operator : amym
Sample : icv978-50
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 25 08:13:00 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.557	43	822030m	50.92	ug/L		
38) bromochloromethane	5.950	128	160621	49.72	ug/L		97
39) chloroform	6.165	83	539065	47.73	ug/L		98
41) Tetrahydrofuran	5.946	42	52221	51.24	ug/L		94
42) 1,1,1-trichloroethane	6.413	97	432921	50.86	ug/L		97
44) Cyclohexane	6.532	56	368357	46.63	ug/L	#	97
45) carbon tetrachloride	6.668	117	423532	50.13	ug/L		99
46) 1,1-dichloropropene	6.672	75	367345	48.89	ug/L		98
47) benzene	6.991	78	980735	48.92	ug/L		99
48) 1,2-dichloroethane	7.115	62	415352	45.69	ug/L		98
49) tert-amyl methyl ether	7.279	73	443176	53.03	ug/L		97
50) heptane	7.548	43	215152	47.56	ug/L		95
51) trichloroethene	8.023	95	290690	48.68	ug/L		96
52) 1,2-dichloropropane	8.372	63	270945	49.10	ug/L		99
53) dibromomethane	8.476	93	180601	46.87	ug/L		97
54) bromodichloromethane	8.727	83	397573	51.09	ug/L		99
55) Methylcyclohexane	8.334	83	357955	53.46	ug/L		96
57) methyl methacrylate	8.505	69	143637	51.45	ug/L		93
58) 1,4-dioxane	8.493	88	10483	215.09	ug/L		91
59) cis-1,3-dichloropropene	9.255	75	399945	45.21	ug/L		99
61) 4-methyl-2-pentanone	9.439	43	195435	52.61	ug/L		96
62) toluene	9.620	92	640945	51.61	ug/L		99
63) trans-1,3-dichloropropene	9.908	75	370538	46.77	ug/L		97
64) 1,1,2-trichloroethane	10.114	83	210400	48.52	ug/L		97
65) ethyl methacrylate	9.989	69	296741	47.19	ug/L		93
67) tetrachloroethene	10.173	166	329658	49.41	ug/L		98
68) 1,3-dichloropropane	10.275	76	389625	48.37	ug/L		100
69) dibromochloromethane	10.496	129	316711	45.98	ug/L		100
70) 1,2-dibromoethane	10.605	107	266532	50.27	ug/L		100
71) 2-hexanone	10.348	43	137938	46.34	ug/L		93
72) chlorobenzene	11.102	112	793312	46.21	ug/L		98
73) 1,1,1,2-tetrachloroethane	11.202	131	312790	52.11	ug/L		98
74) ethylbenzene	11.207	91	1342134	51.67	ug/L		98
75) m,p-xylene	11.338	106	1032873	101.74	ug/L		99
76) o-xylene	11.705	106	520473	53.81	ug/L		98
77) styrene	11.726	104	877867	53.03	ug/L		96
78) bromoform	11.900	173	202261	42.53	ug/L		98
79) trans-1,4-dichloro-2-b...	12.117	53	62261	38.75	ug/L		80
81) isopropylbenzene	12.057	105	1369765	52.82	ug/L		97
83) bromobenzene	12.347	156	395463	50.72	ug/L		98
84) 1,1,2,2-tetrachloroethane	12.352	83	325377	51.61	ug/L		99
85) 1,2,3-trichloropropane	12.393	75	361539	54.03	ug/L		99
86) n-propylbenzene	12.446	91	1521225	51.21	ug/L		97
87) 2-chlorotoluene	12.525	91	969431	48.84	ug/L		99
88) 4-chlorotoluene	12.636	91	1154600	49.38	ug/L		96
89) 1,3,5-trimethylbenzene	12.615	105	1192690	52.64	ug/L		98
90) tert-butylbenzene	12.902	91	665591	51.67	ug/L		99
91) 1,2,4-trimethylbenzene	12.956	105	1203986	51.94	ug/L		99
92) sec-butylbenzene	13.104	105	1415879	52.65	ug/L		100
93) 1,3-dichlorobenzene	13.213	146	742859	49.55	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25692.D
Acq On : 24 Nov 2013 9:07 pm
Operator : amym
Sample : icv978-50
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 25 08:13:00 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

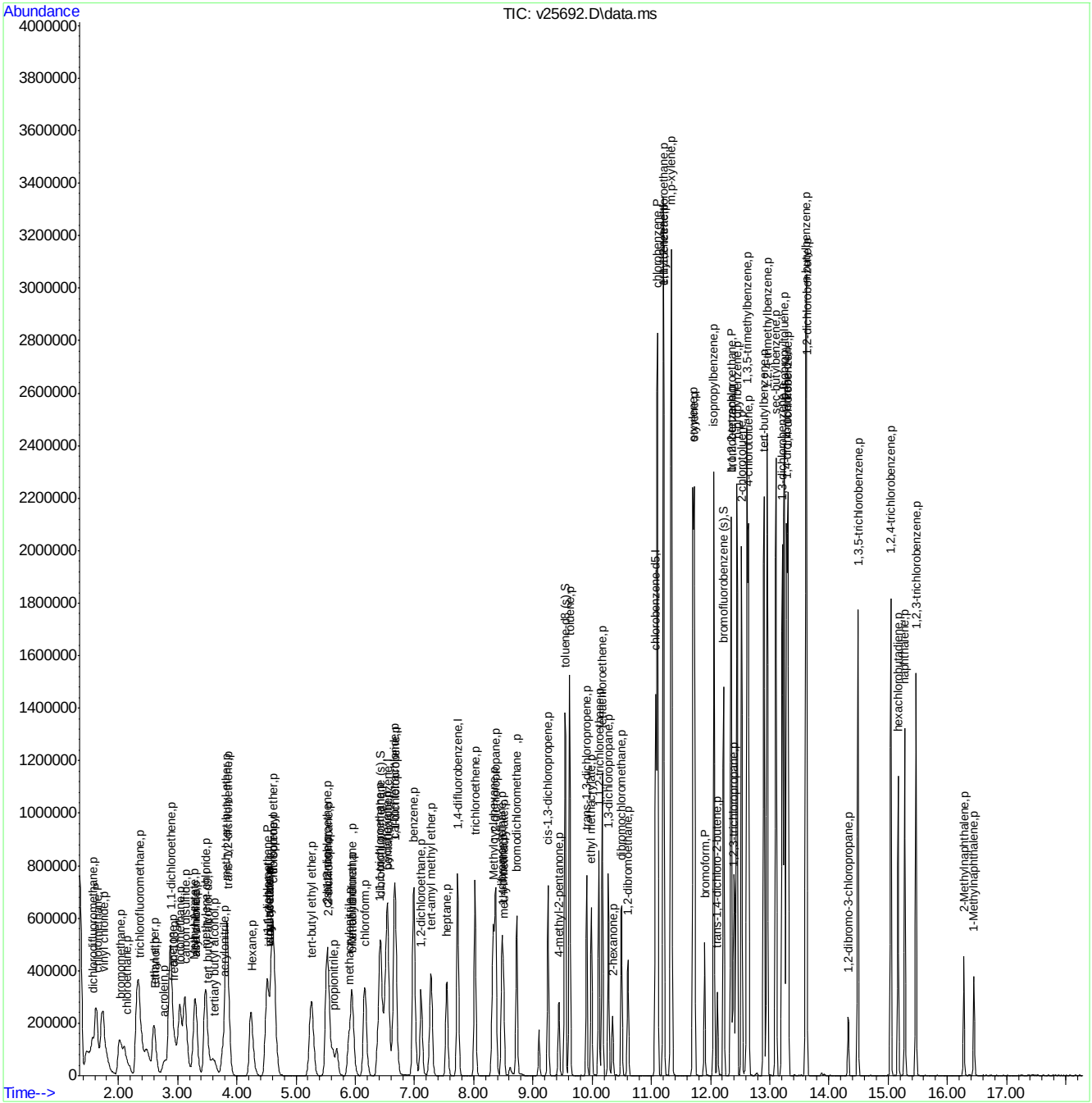
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	p-isopropyltoluene	13.245	119	1227685	54.22	ug/L	99
95)	1,4-dichlorobenzene	13.308	146	754213	48.64	ug/L	98
96)	1,2-dichlorobenzene	13.625	146	711404	48.23	ug/L	99
97)	n-butylbenzene	13.610	91	1045996	54.06	ug/L	99
98)	1,2-dibromo-3-chloropr...	14.326	75	47144	49.08	ug/L	86
99)	1,3,5-trichlorobenzene	14.491	180	518354	50.61	ug/L	97
100)	1,2,4-trichlorobenzene	15.047	180	487464	54.65	ug/L	98
101)	hexachlorobutadiene	15.169	225	202814	50.14	ug/L	100
102)	naphthalene	15.281	128	871898	47.74	ug/L	100
103)	1,2,3-trichlorobenzene	15.470	180	429701	52.32	ug/L	99
104)	2-Methylnaphthalene	16.280	142	193629	24.85	ug/L	100
105)	1-Methylnaphthalene	16.450	142	170967	26.41	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131124\
Data File : v25692.D
Acq On : 24 Nov 2013 9:07 pm
Operator : amym
Sample : icv978-50
Misc : MS30629,MSV978,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 25 08:13:00 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/26/13 09:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26694.D
Acq On : 24 Dec 2013 10:01 am
Operator : amym
Sample : cc978-50
Misc : MS30869,MSV1012,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 26 08:23:34 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.514	65	115494	500.00	ug/L	0.00
4) pentafluorobenzene	6.559	168	457831	50.00	ug/L	0.00
43) 1,4-difluorobenzene	7.739	114	599234	50.00	ug/L	0.00
66) chlorobenzene-d5	11.074	82	300578	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	13.286	152	337865	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	6.442	113	218618	48.99	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.98%			
60) toluene-d8 (s)	9.548	98	660086	50.12	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.24%			
82) bromofluorobenzene (s)	12.223	95	278429	49.68	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.36%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	3.625	59	154947	528.61	ug/L #	85
3) Ethanol	2.618	45	206197	3915.60	ug/L #	100
5) dichlorodifluoromethane	1.600	85	472767	42.96	ug/L	99
6) chloromethane	1.644	50	364501	72.51	ug/L	97
7) vinyl chloride	1.759	62	277755	48.70	ug/L	97
8) bromomethane	2.051	96	215089	67.04	ug/L	98
9) chloroethane	2.156	64	134935	58.57	ug/L	97
10) ethyl ether	2.619	59	192068	52.22	ug/L	98
11) acetonitrile	3.310	41	307461	52.89	ug/L	94
12) trichlorofluoromethane	2.376	101	418549	46.46	ug/L	100
13) freon-113	2.960	101	221031	53.47	ug/L	98
14) acrolein	2.775	56	127601	173.29	ug/L	95
15) 1,1-dichloroethene	2.900	96	216601	51.94	ug/L	98
16) acetone	2.909	58	22438	62.67	ug/L	91
17) Methyl Acetate	3.292	43	225927	56.23	ug/L	98
18) methylene chloride	3.487	84	234548	49.50	ug/L	97
19) methyl tert butyl ether	3.834	73	486909	55.87	ug/L	100
20) acrylonitrile	3.789	53	75558	54.45	ug/L	94
21) allyl chloride	3.310	41	307461	52.90	ug/L	99
22) trans-1,2-dichloroethene	3.852	96	216307	49.01	ug/L	95
23) iodomethane	3.061	142	469126	50.89	ug/L	96
24) carbon disulfide	3.141	76	675698	53.06	ug/L	100
25) propionitrile	5.654	54	27154	57.73	ug/L	100
26) vinyl acetate	4.573	43	689922	53.39	ug/L	99
27) chloroprene	4.630	53	321208	53.01	ug/L	90
28) di-isopropyl ether	4.614	45	632926	52.92	ug/L	93
29) methacrylonitrile	5.920	41	130174	56.25	ug/L	93
30) 2-butanone	5.536	72	19565	51.25	ug/L	88
31) Hexane	4.259	41	178871	52.14	ug/L	87
32) 1,1-dichloroethane	4.523	63	397483	49.90	ug/L	99
33) tert-butyl ethyl ether	5.270	59	449174	56.26	ug/L	99
34) isobutyl alcohol	4.573	43	689922	266.96	ug/L	98
35) 2,2-dichloropropane	5.547	77	208039	54.13	ug/L	97
36) cis-1,2-dichloroethene	5.539	96	224081	49.93	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26694.D
Acq On : 24 Dec 2013 10:01 am
Operator : amym
Sample : cc978-50
Misc : MS30869,MSV1012,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 26 08:23:34 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.570	43	689883m	55.13	ug/L		
38) bromochloromethane	5.958	128	126160	50.38	ug/L		95
39) chloroform	6.173	83	430291	49.15	ug/L		99
41) Tetrahydrofuran	5.960	42	47668	60.34	ug/L		96
42) 1,1,1-trichloroethane	6.419	97	335948	50.91	ug/L		95
44) Cyclohexane	6.539	56	277084	45.70	ug/L	#	96
45) carbon tetrachloride	6.674	117	322392	49.72	ug/L		100
46) 1,1-dichloropropene	6.683	75	278724	48.34	ug/L		98
47) benzene	7.001	78	749174	48.70	ug/L		99
48) 1,2-dichloroethane	7.126	62	346849	49.72	ug/L		98
49) tert-amyl methyl ether	7.284	73	368095	57.39	ug/L		97
50) heptane	7.556	43	186093	53.61	ug/L		95
51) trichloroethene	8.031	95	222521	48.56	ug/L		97
52) 1,2-dichloropropane	8.379	63	211086	49.85	ug/L		99
53) dibromomethane	8.483	93	148556	50.24	ug/L		99
54) bromodichloromethane	8.733	83	312276	52.29	ug/L		99
55) Methylcyclohexane	8.337	83	257884	50.19	ug/L		95
57) methyl methacrylate	8.510	69	120821	56.40	ug/L		90
58) 1,4-dioxane	8.497	88	7739	207.56	ug/L		95
59) cis-1,3-dichloropropene	9.260	75	328599	48.26	ug/L		97
61) 4-methyl-2-pentanone	9.443	43	167958	58.91	ug/L		95
62) toluene	9.624	92	481850	50.57	ug/L		99
63) trans-1,3-dichloropropene	9.911	75	298033	48.90	ug/L		97
64) 1,1,2-trichloroethane	10.117	83	166151	49.93	ug/L		97
65) ethyl methacrylate	9.990	69	241865	49.97	ug/L		95
67) tetrachloroethene	10.176	166	245491	47.90	ug/L		98
68) 1,3-dichloropropane	10.278	76	311124	50.29	ug/L		99
69) dibromochloromethane	10.499	129	249138	47.02	ug/L		99
70) 1,2-dibromoethane	10.607	107	210437	51.68	ug/L		100
71) 2-hexanone	10.349	43	118001	51.52	ug/L		92
72) chlorobenzene	11.104	112	623737	47.30	ug/L		99
73) 1,1,1,2-tetrachloroethane	11.204	131	231754	50.27	ug/L		98
74) ethylbenzene	11.209	91	986668	49.46	ug/L		98
75) m,p-xylene	11.340	106	774988	99.39	ug/L		99
76) o-xylene	11.707	106	389977	52.50	ug/L		98
77) styrene	11.727	104	644590	50.70	ug/L		95
78) bromoform	11.901	173	165656	45.00	ug/L		100
79) trans-1,4-dichloro-2-b...	12.118	53	43406	35.95	ug/L		78
81) isopropylbenzene	12.058	105	1033250	53.14	ug/L		97
83) bromobenzene	12.349	156	297203	50.84	ug/L		98
84) 1,1,2,2-tetrachloroethane	12.353	83	251041	53.11	ug/L		99
85) 1,2,3-trichloropropane	12.394	75	277688	55.34	ug/L		99
86) n-propylbenzene	12.446	91	1178874	52.93	ug/L		97
87) 2-chlorotoluene	12.525	91	753438	50.62	ug/L		100
88) 4-chlorotoluene	12.637	91	878670	50.12	ug/L		95
89) 1,3,5-trimethylbenzene	12.616	105	899048	52.92	ug/L		97
90) tert-butylbenzene	12.902	91	515822	53.40	ug/L		99
91) 1,2,4-trimethylbenzene	12.956	105	910451	52.38	ug/L		98
92) sec-butylbenzene	13.105	105	1062411	52.69	ug/L		100
93) 1,3-dichlorobenzene	13.213	146	548522	48.79	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26694.D
Acq On : 24 Dec 2013 10:01 am
Operator : amym
Sample : cc978-50
Misc : MS30869,MSV1012,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 26 08:23:34 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration

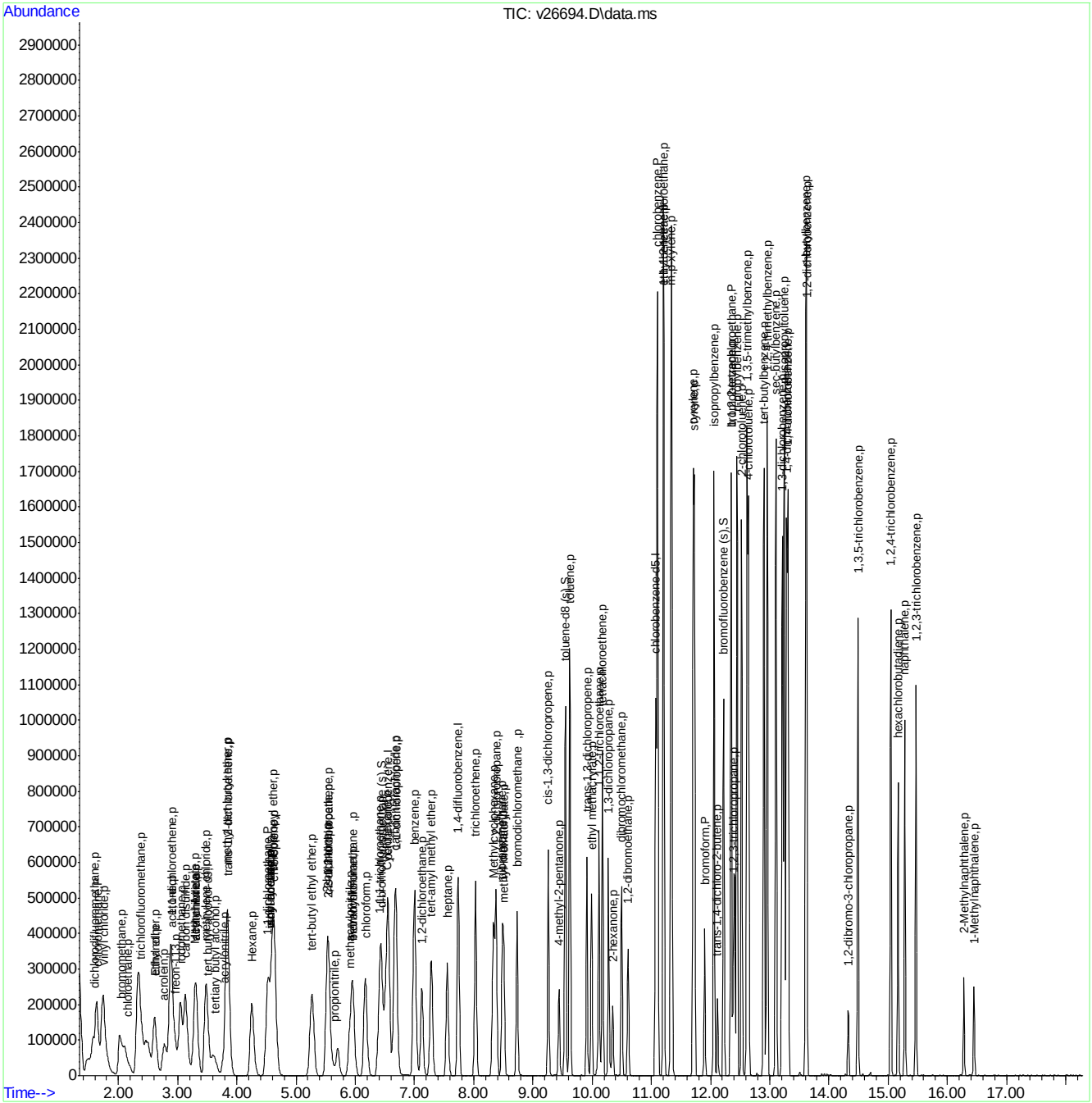
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) p-isopropyltoluene	13.246	119	906880	53.41	ug/L	100
95) 1,4-dichlorobenzene	13.308	146	553581	47.61	ug/L	99
96) 1,2-dichlorobenzene	13.625	146	548314	49.57	ug/L	99
97) n-butylbenzene	13.611	91	775404	53.45	ug/L	99
98) 1,2-dibromo-3-chloropr...	14.327	75	40403	56.09	ug/L	84
99) 1,3,5-trichlorobenzene	14.491	180	370292	48.21	ug/L	100
100) 1,2,4-trichlorobenzene	15.047	180	347310	51.93	ug/L	99
101) hexachlorobutadiene	15.168	225	144693	47.70	ug/L	100
102) naphthalene	15.281	128	653174	47.69	ug/L	100
103) 1,2,3-trichlorobenzene	15.470	180	301575	48.97	ug/L	99
104) 2-Methylnaphthalene	16.281	142	114944	19.63	ug/L	100
105) 1-Methylnaphthalene	16.450	142	113164	22.99	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V131224\
Data File : v26694.D
Acq On : 24 Dec 2013 10:01 am
Operator : amym
Sample : cc978-50
Misc : MS30869,MSV1012,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 26 08:23:34 2013
Quant Method : C:\msdchem\1\METHODS\v131124w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Nov 25 08:11:23 2013
Response via : Initial Calibration



Accutest Laboratories of New England, Inc. **Instrument: GCMS V**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS 9522	VBbo Cal STD	200 ug/ml
9523	VBbo Cal Gas	↓
9484	VBbo BS	
9482	VBbo BS Gas	↓
9433	VBbo 25/55	200 ug/ml

Daily Saved File

Tune file 1:	
Tune file 2:	N/A
Initial Cal:	11/24/10
ID File:	V31124.D
ICAL Verified:	AY
Sequence verified:	TT

Date: 12/24/13

Batch ID: MSV1012

Analysts: Amy Yang

Signature:

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
V26693	blk				1		5ml	NA			
94	CC978-50	1,1			2						
95	BS	3,2			3						
96	BSD	↓			4						
97	blk	NA			5						
98	↓	↓			6						
99	MB	↓			7						
V26700	MC27341-3		MS30862	VBbo TCL11+	8	GW			1:1	<2	
01	MC27251-2			VBbo MCP	9						
02	↓ -4			↓	10						
03	↓ -6			↓	11						
04	MC27316-3		↓	↓	12				↓		
05	MC27247-1		MS30889	VBbo SL	13						
06	MC27047-4		MS30806	VBbo RCP	14				1:1000		
07	MC27210-1		MS30877	VBbo STD	15				1:1		
08	↓ -1MS		↓	↓	16				1:5		
09	↓ -1MSD				17				↓		
10	MC27166-2		MS30862	VBbo 60/10L	18				1:100		
11	MC27210-3		MS30877	VBbo STD	19				1:1		
12	↓ -5		↓	↓	20				↓		
13	-7				21						
14	-8				22						
15	-9				23						
16	-10			↓	24	↓					
17	MC27335-2			VBbo SL+	25	WTB					
18	↓ -1			↓	26	GW					
19	MC27210-6			VBbo STD	27	↓			↓		
20	↓ -2			↓	28				1:2		1:1
21	↓ -4		↓	↓	29	↓			1:5	↓	1:50 (Benz) on 11 L"
22	blk				30						
23	↓				31						

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review:

ACCUTEST LABORATORIES MC27335

Accutest Laboratories of New England, Inc. **Instrument: GCMS V**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS8478	V Bkb cal STD	200 ug/ml
8457	V Bkb cal Gas	
8450	V Bkb BS STD	
8462	V Bkb BS Gas	
9440	V Bkb SS	
9439	V Bkb SS	250 ug/ml

Daily Saved File

Tune file 1:	V25678
Tune file 2:	NA
Initial Cal:	11/24/13
ID File:	V131124W
ICAL Verified:	V25692
Sequence verified:	

Date: 11/24/13

Batch ID: MSV978

Analysts Amy Young

Signature:

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
V25674	blk	NA	NA	NA	1	NA	5mL	NA	1:1	NA	
75	↓				2						
76	test 0.5				3						
77	test 5				4						
78	BFB				5						
79	ic 978-0.25	1,2	MS8478/8457		6						
80	-0.5				7						
81	-1				8						
82	-2				9						
83	-5				10						
84	-10				11						
85	ic 978-50				12						
86	ic 978-100				13						
87	-200				14						
88	-400				15						
89	blk	NA	NA		16						
90					17						
91					18						
92	icv 978-50	3,2	MS8450/8462		19						
93	icv 978-50				20						
94	~~MC26573-2~~ blk	NA	NA		21						
95	-4				22						
96	MC26573-2-6				23				1:30		screen
97	-4-8				24						
98	-6				25						
99	-8				26						
V25700	blk				27				1:1		
01					28						

11/25/13

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

Review:

ACCUTEST LABORATORIES MC27335

New England ACCUTEST LABORATORIES

01/15/14

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC27399

Sampling Date: 12/22/13

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **319**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC27399

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC27399-1	12/22/13	12:55	ER	12/24/13	AQ	Ground Water	LBA-MW-34S
MC27399-2	12/22/13	12:25	ER	12/24/13	AQ	Ground Water	LBA-MW-34N
MC27399-3	12/22/13	11:25	ER	12/24/13	AQ	Ground Water	LBA-MW-37
MC27399-4	12/22/13	11:55	ER	12/24/13	AQ	Ground Water	LBA-MW-38
MC27399-5	12/22/13	13:45	ER	12/24/13	AQ	Field Blank Water	FB122213

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environmental & Energy **Job No** MC27399

Site: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, **Report Date** 1/14/2014 3:00:26 PM

4 Sample(s), 0 Trip Blank(s) and 1 Field Blank(s) were collected on 12/22/2013 and were received at Accutest on 12/24/2013 properly preserved, at 0.2 Deg. C and intact. These Samples received an Accutest job number of MC27399. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix: AQ **Batch ID:** MSN3123

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27393-29MS, MC27393-29MSD were used as the QC samples indicated.
- MC27393-29MS/MSD for Dichlorodifluoromethane are outside control limits due to possible matrix interference. Refer to Blank Spike.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP22327

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27399-2SDL, MC27399-2MS, MC27399-2MSD, MC27399-2SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Cadmium, Selenium are outside control limits for sample MP22327-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** MP22330

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27343-5MS, MC27343-5MSD were used as the QC samples for metals.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC27399).

Summary of Hits

Job Number: MC27399
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 12/22/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC27399-1	**LBA-MW-34S**					
Acetone		229	10	2.8	ug/l	SW846 8260C
Benzene		0.84	0.50	0.45	ug/l	SW846 8260C
Chloroform		7.5	1.0	0.50	ug/l	SW846 8260C
Cyclohexane		1.9 J	5.0	1.2	ug/l	SW846 8260C
Ethylbenzene		2.5	1.0	0.38	ug/l	SW846 8260C
Isopropylbenzene		0.82 J	5.0	0.64	ug/l	SW846 8260C
Methylcyclohexane		5.3	5.0	0.87	ug/l	SW846 8260C
4-Methyl-2-pentanone (MIBK)		1.3 J	5.0	1.3	ug/l	SW846 8260C
Methylene chloride		1.1 J	2.0	0.41	ug/l	SW846 8260C
Toluene		10.5	1.0	0.46	ug/l	SW846 8260C
1,2,4-Trimethylbenzene		2.9 J	5.0	0.47	ug/l	SW846 8260C
1,3,5-Trimethylbenzene		3.6 J	5.0	1.1	ug/l	SW846 8260C
m,p-Xylene		10.7	1.0	0.70	ug/l	SW846 8260C
o-Xylene		7.2	1.0	0.41	ug/l	SW846 8260C
Xylene (total)		17.9	1.0	0.41	ug/l	SW846 8260C
Total TIC, Volatile		151.5 J			ug/l	
Arsenic		14.8	4.0	2.9	ug/l	SW846 6010C
Barium		78.1	50	0.81	ug/l	SW846 6010C
Chromium		16.2	10	1.4	ug/l	SW846 6010C
Selenium		6.0 B	10	4.8	ug/l	SW846 6010C
MC27399-2	**LBA-MW-34N**					
1,1-Dichloroethane		2.3	1.0	0.37	ug/l	SW846 8260C
cis-1,2-Dichloroethene		5.3	1.0	0.54	ug/l	SW846 8260C
Trichloroethene		2.3	1.0	0.45	ug/l	SW846 8260C
Barium		6150	50	0.81	ug/l	SW846 6010C
Chromium		22.8	10	1.4	ug/l	SW846 6010C
MC27399-3	**LBA-MW-37**					
Chloroform		4.8	1.0	0.50	ug/l	SW846 8260C
Ethylbenzene		0.45 J	1.0	0.38	ug/l	SW846 8260C
Methylcyclohexane		2.3 J	5.0	0.87	ug/l	SW846 8260C
Methylene chloride		0.94 J	2.0	0.41	ug/l	SW846 8260C
Toluene		2.0	1.0	0.46	ug/l	SW846 8260C
1,2,4-Trimethylbenzene		0.78 J	5.0	0.47	ug/l	SW846 8260C
m,p-Xylene		2.5	1.0	0.70	ug/l	SW846 8260C
o-Xylene		0.96 J	1.0	0.41	ug/l	SW846 8260C
Xylene (total)		3.5	1.0	0.41	ug/l	SW846 8260C
Total TIC, Volatile		2.4 J			ug/l	

Summary of Hits

Job Number: MC27399
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 12/22/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC27399-4	**LBA-MW-38**					
Acetone		2.9 J	10	2.8	ug/l	SW846 8260C
Chloroform		1.2	1.0	0.50	ug/l	SW846 8260C
1,1-Dichloroethane		0.54 J	1.0	0.37	ug/l	SW846 8260C
cis-1,2-Dichloroethene		7.2	1.0	0.54	ug/l	SW846 8260C
Toluene		1.5	1.0	0.46	ug/l	SW846 8260C
1,2,4-Trimethylbenzene		0.73 J	5.0	0.47	ug/l	SW846 8260C
Vinyl chloride		1.1	1.0	0.61	ug/l	SW846 8260C
m,p-Xylene		2.0	1.0	0.70	ug/l	SW846 8260C
o-Xylene		0.67 J	1.0	0.41	ug/l	SW846 8260C
Xylene (total)		2.7	1.0	0.41	ug/l	SW846 8260C
Total TIC, Volatile		7.8 J			ug/l	
MC27399-5	**FB122213**					
No hits reported in this sample.						

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@146041 15:44 15-Jan-2014

Report of Analysis

Client Sample ID:	LBA-MW-34S		
Lab Sample ID:	MC27399-1	**Date Sampled:**	12/22/13
Matrix:	AQ - Ground Water	**Date Received:**	12/24/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N83689.D	1	12/27/13	JB	n/a	n/a	MSN3123
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	229	10	2.8	ug/l	
71-43-2	Benzene	0.84	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	7.5	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	1.9	5.0	1.2	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	2.5	1.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-34S		
Lab Sample ID:	MC27399-1	**Date Sampled:**	12/22/13
Matrix:	AQ - Ground Water	**Date Received:**	12/24/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	0.82	5.0	0.64	ug/l	J
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	5.3	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	5.0	1.3	ug/l	J
75-09-2	Methylene chloride	1.1	2.0	0.41	ug/l	J
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	10.5	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	2.9	5.0	0.47	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	3.6	5.0	1.1	ug/l	J
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	10.7	1.0	0.70	ug/l	
95-47-6	o-Xylene	7.2	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	17.9	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
926-39-6	2-Aminoethyl hydrogen sulfate	4.51	140	ug/l	JN
78-78-4	Butane, 2-methyl-	6.02	3.1	ug/l	JN
420-12-2	Thiirane	8.06	8.4	ug/l	JN
	Total TIC, Volatile		151.5	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-MW-34S
Lab Sample ID: MC27399-1
Matrix: AQ - Ground Water
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 12/22/13
Date Received: 12/24/13
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	14.8	4.0	2.9	ug/l	1	12/27/13	12/27/13	EAL	SW846 6010C [2]	SW846 3010A [4]
Barium	78.1	50	0.81	ug/l	1	12/27/13	12/30/13	EAL	SW846 6010C [3]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	12/27/13	12/27/13	EAL	SW846 6010C [2]	SW846 3010A [4]
Chromium	16.2	10	1.4	ug/l	1	12/27/13	12/27/13	EAL	SW846 6010C [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	12/27/13	12/27/13	EAL	SW846 6010C [2]	SW846 3010A [4]
Mercury	0.067 U	0.20	0.067	ug/l	1	12/30/13	12/30/13	SA	SW846 7470A [1]	SW846 7470A [5]
Selenium	6.0 B	10	4.8	ug/l	1	12/27/13	12/27/13	EAL	SW846 6010C [2]	SW846 3010A [4]
Silver	1.0 U	5.0	1.0	ug/l	1	12/27/13	12/27/13	EAL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA16610
(2) Instrument QC Batch: MA16615
(3) Instrument QC Batch: MA16618
(4) Prep QC Batch: MP22327
(5) Prep QC Batch: MP22330

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest LabLink@146041 15:44 15-Jan-2014

Report of Analysis

Client Sample ID:	LBA-MW-34N		
Lab Sample ID:	MC27399-2	**Date Sampled:**	12/22/13
Matrix:	AQ - Ground Water	**Date Received:**	12/24/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N83690.D	1	12/27/13	JB	n/a	n/a	MSN3123
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	2.3	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	5.3	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-34N		
Lab Sample ID:	MC27399-2	**Date Sampled:**	12/22/13
Matrix:	AQ - Ground Water	**Date Received:**	12/24/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	2.3	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-MW-34N
Lab Sample ID: MC27399-2
Matrix: AQ - Ground Water
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 12/22/13
Date Received: 12/24/13
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9 U	4.0	2.9	ug/l	1	12/27/13	12/27/13	EAL	SW846 6010C [2]	SW846 3010A [3]
Barium	6150	50	0.81	ug/l	1	12/27/13	12/27/13	EAL	SW846 6010C [2]	SW846 3010A [3]
Cadmium	0.50 U	4.0	0.50	ug/l	1	12/27/13	12/27/13	EAL	SW846 6010C [2]	SW846 3010A [3]
Chromium	22.8	10	1.4	ug/l	1	12/27/13	12/27/13	EAL	SW846 6010C [2]	SW846 3010A [3]
Lead	1.7 U	5.0	1.7	ug/l	1	12/27/13	12/27/13	EAL	SW846 6010C [2]	SW846 3010A [3]
Mercury	0.067 U	0.20	0.067	ug/l	1	12/30/13	12/30/13	SA	SW846 7470A [1]	SW846 7470A [4]
Selenium	4.8 U	10	4.8	ug/l	1	12/27/13	12/27/13	EAL	SW846 6010C [2]	SW846 3010A [3]
Silver	1.0 U	5.0	1.0	ug/l	1	12/27/13	12/27/13	EAL	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA16610
(2) Instrument QC Batch: MA16615
(3) Prep QC Batch: MP22327
(4) Prep QC Batch: MP22330

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest LabLink@146041 15:44 15-Jan-2014

Report of Analysis

Client Sample ID:	LBA-MW-37		
Lab Sample ID:	MC27399-3	**Date Sampled:**	12/22/13
Matrix:	AQ - Ground Water	**Date Received:**	12/24/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N83691.D	1	12/27/13	JB	n/a	n/a	MSN3123
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	4.8	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	0.45	1.0	0.38	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-37		
Lab Sample ID:	MC27399-3	**Date Sampled:**	12/22/13
Matrix:	AQ - Ground Water	**Date Received:**	12/24/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	2.3	5.0	0.87	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	0.94	2.0	0.41	ug/l	J
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	2.0	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.78	5.0	0.47	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	2.5	1.0	0.70	ug/l	
95-47-6	o-Xylene	0.96	1.0	0.41	ug/l	J
1330-20-7	Xylene (total)	3.5	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
78-78-4	Butane, 2-methyl-	6.02	2.4	ug/l	JN
	Total TIC, Volatile		2.4	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@146041 15:44 15-Jan-2014

Report of Analysis

Client Sample ID:	LBA-MW-38		
Lab Sample ID:	MC27399-4	**Date Sampled:**	12/22/13
Matrix:	AQ - Ground Water	**Date Received:**	12/24/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N83692.D	1	12/27/13	JB	n/a	n/a	MSN3123
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	2.9	10	2.8	ug/l	J
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	1.2	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	0.54	1.0	0.37	ug/l	J
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	7.2	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-38		
Lab Sample ID:	MC27399-4	**Date Sampled:**	12/22/13
Matrix:	AQ - Ground Water	**Date Received:**	12/24/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	1.5	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.73	5.0	0.47	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	1.1	1.0	0.61	ug/l	
	m,p-Xylene	2.0	1.0	0.70	ug/l	
95-47-6	o-Xylene	0.67	1.0	0.41	ug/l	J
1330-20-7	Xylene (total)	2.7	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
66-25-1	Hexanal	12.29	7.8	ug/l	JN
	Total TIC, Volatile		7.8	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@146041 15:44 15-Jan-2014

Report of Analysis

Client Sample ID:	FB122213		
Lab Sample ID:	MC27399-5	**Date Sampled:**	12/22/13
Matrix:	AQ - Field Blank Water	**Date Received:**	12/24/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N83678.D	1	12/27/13	JB	n/a	n/a	MSN3123
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB122213		
Lab Sample ID:	MC27399-5	**Date Sampled:**	12/22/13
Matrix:	AQ - Field Blank Water	**Date Received:**	12/24/13
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY RECORD

Project Number:	Site and Location:
42555	EPT Due Diligence
Contact Name:	**Contact Email:**
Erik Reinert	Erik.Reinert@wspgroup.com
Sampler's Name:	**Sampler's Signature:**
Erik Reinert	

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

N° 01024

MC27399

Requested Analyses

Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	8260 -TCL 42 list (*)	RCRA metals	Remarks
LBA-MW-34S-1	—	12/22/13	1255	Aq	3	X	X	Metals sample is partial volume
LBA-MW-34N-2	—	12/22/13	1225	Aq	3	X	X	
LBA-MW-37-3	—	12/22/13	1125	Aq	2	X		
LBA-MW-38-4	—	12/22/13	1155	Aq	2	X		
FB122213-5	—	12/22/13	1345	Aq	2	X		Field Blank
								(*)CP51, TICS for all VOC samples
								2E3,5D

Relinquished by (Signature):	12/23/13 1200 Date | Time	Received by (Signature):	Laboratory Name: Accutest
Relinquished by (Signature):	Date | Time	Received by (Signature):	Laboratory Location: Marlborough MA
Turn-Around Time: 5-day FED EX 12-27-13 1130		Tracking Number:	Custody Seal Numbers:
			Method of Shipment: Lab Courier

WSP 0.2-0.4-0.2
WSP Environment & Energy
SYRACUSE SC

- [x] Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- [ ] Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- [ ] San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- [ ] New Jersey Office: 334 Elizabeth Ave., Somerset, NJ 08873 / Tel: 732-564-0888
- [ ] Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- [ ] Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- [ ] Boxborough Office: 1740 Massachusetts Ave., Boxborough, MA 01719 / Tel: 978-635-9600
- [x] Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

MC27399: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC27399 **Client:** WSP **Immediate Client Services Action Required:** No

Date / Time Received: 12/24/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: 04255/5 **No. Coolers:** 3 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control -Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
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MC27399: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC27399

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC27399-1 Collected: 22-DEC-13 12:55 By: ER LBA-MW-34S			Received: 24-DEC-13 By:			
MC27399-1	SW846 8260C	27-DEC-13 16:50	JB			V8260SL+
MC27399-1	SW846 6010C	27-DEC-13 22:26	EAL	27-DEC-13	EM	AG,AS,CD,CR,PB,SE
MC27399-1	SW846 7470A	30-DEC-13 15:16	SA	30-DEC-13	EM	HG
MC27399-1	SW846 6010C	30-DEC-13 17:14	EAL	27-DEC-13	EM	BA
MC27399-2 Collected: 22-DEC-13 12:25 By: ER LBA-MW-34N			Received: 24-DEC-13 By:			
MC27399-2	SW846 8260C	27-DEC-13 17:18	JB			V8260SL+
MC27399-2	SW846 6010C	27-DEC-13 21:22	EAL	27-DEC-13	EM	AG,AS,BA,CD,CR,PB,SE
MC27399-2	SW846 7470A	30-DEC-13 15:18	SA	30-DEC-13	EM	HG
MC27399-3 Collected: 22-DEC-13 11:25 By: ER LBA-MW-37			Received: 24-DEC-13 By:			
MC27399-3	SW846 8260C	27-DEC-13 17:46	JB			V8260SL+
MC27399-4 Collected: 22-DEC-13 11:55 By: ER LBA-MW-38			Received: 24-DEC-13 By:			
MC27399-4	SW846 8260C	27-DEC-13 18:14	JB			V8260SL+
MC27399-5 Collected: 22-DEC-13 13:45 By: ER FB122213			Received: 24-DEC-13 By:			
MC27399-5	SW846 8260C	27-DEC-13 11:45	JB			V8260SL+

Accutest Internal Chain of Custody

Job Number: MC27399
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 12/24/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC27399-1.1	Walk In Ref #5	Mohammad Adib	12/27/13 07:14	Retrieve from Storage
MC27399-1.1	Mohammad Adib	Walk In Ref #5	12/27/13 08:42	Return to Storage
MC27399-1.1	Walk In Ref #5	Mohammad Adib	12/30/13 07:06	Retrieve from Storage
MC27399-1.1	Mohammad Adib	Walk In Ref #5	12/30/13 09:05	Return to Storage
MC27399-1.2	VOC Ref #2	Jaclyn Bergeron	12/27/13 09:47	Retrieve from Storage
MC27399-1.2	Jaclyn Bergeron	GCMSN	12/27/13 09:47	Load on Instrument
MC27399-1.2	GCMSN	Jaclyn Bergeron	12/30/13 09:47	Unload from Instrument
MC27399-1.2	Jaclyn Bergeron	VOC Ref #2	12/30/13 09:47	Return to Storage
MC27399-2.1	Walk In Ref #5	Mohammad Adib	12/27/13 07:14	Retrieve from Storage
MC27399-2.1	Mohammad Adib	Walk In Ref #5	12/27/13 08:42	Return to Storage
MC27399-2.1	Walk In Ref #5	Mohammad Adib	12/30/13 07:06	Retrieve from Storage
MC27399-2.1	Mohammad Adib	Walk In Ref #5	12/30/13 09:05	Return to Storage
MC27399-2.2	VOC Ref #2	Jaclyn Bergeron	12/27/13 09:47	Retrieve from Storage
MC27399-2.2	Jaclyn Bergeron	GCMSN	12/27/13 09:47	Load on Instrument
MC27399-2.2	GCMSN	Jaclyn Bergeron	12/30/13 09:47	Unload from Instrument
MC27399-2.2	Jaclyn Bergeron	VOC Ref #2	12/30/13 09:47	Return to Storage
MC27399-3.2	VOC Ref #2	Jaclyn Bergeron	12/27/13 09:47	Retrieve from Storage
MC27399-3.2	Jaclyn Bergeron	GCMSN	12/27/13 09:47	Load on Instrument
MC27399-3.2	GCMSN	Jaclyn Bergeron	12/30/13 09:47	Unload from Instrument
MC27399-3.2	Jaclyn Bergeron	VOC Ref #2	12/30/13 09:47	Return to Storage
MC27399-4.1	VOC Ref #2	Jaclyn Bergeron	12/27/13 09:47	Retrieve from Storage
MC27399-4.1	Jaclyn Bergeron	GCMSN	12/27/13 09:47	Load on Instrument
MC27399-4.1	GCMSN	Jaclyn Bergeron	12/30/13 09:47	Unload from Instrument
MC27399-4.1	Jaclyn Bergeron	VOC Ref #2	12/30/13 09:47	Return to Storage
MC27399-5.2	VOC Ref #2	Jaclyn Bergeron	12/27/13 09:47	Retrieve from Storage
MC27399-5.2	Jaclyn Bergeron	GCMSN	12/27/13 09:47	Load on Instrument
MC27399-5.2	GCMSN	Jaclyn Bergeron	12/30/13 09:47	Unload from Instrument
MC27399-5.2	Jaclyn Bergeron	VOC Ref #2	12/30/13 09:47	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC27399
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN3123-MB	N83675.D	1	12/27/13	JB	n/a	n/a	MSN3123

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27399-1, MC27399-2, MC27399-3, MC27399-4, MC27399-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	

Method Blank Summary

Job Number: MC27399
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN3123-MB	N83675.D	1	12/27/13	JB	n/a	n/a	MSN3123

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27399-1, MC27399-2, MC27399-3, MC27399-4, MC27399-5

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	89%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	102%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: MC27399
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN3123-BS	N83672.D	1	12/27/13	JB	n/a	n/a	MSN3123

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27399-1, MC27399-2, MC27399-3, MC27399-4, MC27399-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	39.5	79	70-130
71-43-2	Benzene	50	46.4	93	70-130
75-27-4	Bromodichloromethane	50	46.0	92	70-130
75-25-2	Bromoform	50	50.2	100	70-130
74-83-9	Bromomethane	50	50.6	101	70-130
78-93-3	2-Butanone (MEK)	50	47.3	95	70-130
104-51-8	n-Butylbenzene	50	54.3	109	70-130
135-98-8	sec-Butylbenzene	50	50.3	101	70-130
98-06-6	tert-Butylbenzene	50	48.8	98	70-130
75-15-0	Carbon disulfide	50	48.8	98	70-130
56-23-5	Carbon tetrachloride	50	51.6	103	70-130
108-90-7	Chlorobenzene	50	45.3	91	70-130
75-00-3	Chloroethane	50	53.7	107	70-130
67-66-3	Chloroform	50	44.7	89	70-130
74-87-3	Chloromethane	50	55.2	110	70-130
110-82-7	Cyclohexane	50	52.8	106	71-145
96-12-8	1,2-Dibromo-3-chloropropane	50	53.5	107	70-130
124-48-1	Dibromochloromethane	50	48.4	97	70-130
106-93-4	1,2-Dibromoethane	50	48.3	97	70-130
95-50-1	1,2-Dichlorobenzene	50	46.4	93	70-130
541-73-1	1,3-Dichlorobenzene	50	48.1	96	70-130
106-46-7	1,4-Dichlorobenzene	50	48.5	97	70-130
75-71-8	Dichlorodifluoromethane	50	43.8	88	70-130
75-34-3	1,1-Dichloroethane	50	47.1	94	70-130
107-06-2	1,2-Dichloroethane	50	45.1	90	70-130
75-35-4	1,1-Dichloroethene	50	57.5	115	70-130
156-59-2	cis-1,2-Dichloroethene	50	44.7	89	70-130
156-60-5	trans-1,2-Dichloroethene	50	46.8	94	70-130
78-87-5	1,2-Dichloropropane	50	48.6	97	70-130
10061-01-5	cis-1,3-Dichloropropene	50	49.0	98	70-130
10061-02-6	trans-1,3-Dichloropropene	50	52.1	104	70-130
100-41-4	Ethylbenzene	50	47.7	95	70-130
76-13-1	Freon 113	50	49.1	98	70-130
591-78-6	2-Hexanone	50	57.6	115	70-130
98-82-8	Isopropylbenzene	50	48.5	97	70-130
99-87-6	p-Isopropyltoluene	50	51.9	104	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC27399
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN3123-BS	N83672.D	1	12/27/13	JB	n/a	n/a	MSN3123

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27399-1, MC27399-2, MC27399-3, MC27399-4, MC27399-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
79-20-9	Methyl Acetate	50	43.9	88	40-137
108-87-2	Methylcyclohexane	50	51.3	103	74-143
1634-04-4	Methyl Tert Butyl Ether	50	41.1	82	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	55.2	110	70-130
75-09-2	Methylene chloride	50	47.1	94	70-130
91-20-3	Naphthalene	50	63.8	128	70-130
103-65-1	n-Propylbenzene	50	47.0	94	70-130
100-42-5	Styrene	50	50.7	101	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	51.5	103	70-130
127-18-4	Tetrachloroethene	50	46.1	92	70-130
108-88-3	Toluene	50	48.8	98	70-130
120-82-1	1,2,4-Trichlorobenzene	50	57.4	115	70-130
71-55-6	1,1,1-Trichloroethane	50	50.4	101	70-130
79-00-5	1,1,2-Trichloroethane	50	48.7	97	70-130
79-01-6	Trichloroethene	50	48.1	96	70-130
75-69-4	Trichlorofluoromethane	50	42.6	85	70-130
95-63-6	1,2,4-Trimethylbenzene	50	46.9	94	70-130
108-67-8	1,3,5-Trimethylbenzene	50	47.5	95	70-130
75-01-4	Vinyl chloride	50	40.9	82	70-130
	m,p-Xylene	100	92.9	93	70-130
95-47-6	o-Xylene	50	45.7	91	70-130
1330-20-7	Xylene (total)	150	139	93	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	92%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	97%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC27399
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC27393-29MS	N83696.D	1	12/27/13	JB	n/a	n/a	MSN3123
MC27393-29MSD	N83697.D	1	12/27/13	JB	n/a	n/a	MSN3123
MC27393-29	N83679.D	1	12/27/13	JB	n/a	n/a	MSN3123

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27399-1, MC27399-2, MC27399-3, MC27399-4, MC27399-5

CAS No.	Compound	MC27393-29 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		50	38.2	76	37.1	74	3	70-130/30
71-43-2	Benzene	ND		50	50.0	100	47.3	95	6	70-130/30
75-27-4	Bromodichloromethane	ND		50	45.9	92	45.8	92	0	70-130/30
75-25-2	Bromoform	ND		50	47.3	95	46.0	92	3	70-130/30
74-83-9	Bromomethane	ND		50	46.8	94	52.4	105	11	70-130/30
78-93-3	2-Butanone (MEK)	ND		50	41.9	84	41.4	83	1	70-130/30
104-51-8	n-Butylbenzene	ND		50	49.8	100	51.4	103	3	70-130/30
135-98-8	sec-Butylbenzene	ND		50	47.9	96	49.6	99	3	70-130/30
98-06-6	tert-Butylbenzene	ND		50	46.6	93	47.5	95	2	70-130/30
75-15-0	Carbon disulfide	ND		50	47.5	95	47.1	94	1	70-130/30
56-23-5	Carbon tetrachloride	ND		50	52.4	105	52.2	104	0	70-130/30
108-90-7	Chlorobenzene	ND		50	45.7	91	44.9	90	2	70-130/30
75-00-3	Chloroethane	ND		50	52.2	104	51.2	102	2	70-130/30
67-66-3	Chloroform	ND		50	43.4	87	42.8	86	1	70-130/30
74-87-3	Chloromethane	ND		50	49.8	100	51.8	104	4	70-130/30
110-82-7	Cyclohexane	ND		50	52.9	106	53.0	106	0	60-160/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	44.8	90	45.2	90	1	70-130/30
124-48-1	Dibromochloromethane	ND		50	47.0	94	46.7	93	1	70-130/30
106-93-4	1,2-Dibromoethane	ND		50	47.9	96	46.2	92	4	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		50	43.9	88	45.4	91	3	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		50	44.8	90	46.2	92	3	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		50	46.3	93	47.4	95	2	70-130/30
75-71-8	Dichlorodifluoromethane	ND		50	30.2	60* [a]	30.3	61* [a]	0	70-130/30
75-34-3	1,1-Dichloroethane	0.70	J	50	47.0	93	46.8	92	0	70-130/30
107-06-2	1,2-Dichloroethane	ND		50	43.8	88	44.5	89	2	70-130/30
75-35-4	1,1-Dichloroethene	ND		50	56.7	113	55.8	112	2	70-130/30
156-59-2	cis-1,2-Dichloroethene	0.60	J	50	43.8	86	44.1	87	1	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		50	46.3	93	46.0	92	1	70-130/30
78-87-5	1,2-Dichloropropane	ND		50	48.9	98	49.2	98	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		50	46.7	93	48.2	96	3	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		50	48.0	96	48.9	98	2	70-130/30
100-41-4	Ethylbenzene	ND		50	49.3	99	47.3	95	4	70-130/30
76-13-1	Freon 113	ND		50	48.1	96	47.0	94	2	70-130/30
591-78-6	2-Hexanone	ND		50	50.3	101	47.8	96	5	70-130/30
98-82-8	Isopropylbenzene	ND		50	46.9	94	48.1	96	3	70-130/30
99-87-6	p-Isopropyltoluene	ND		50	49.2	98	50.6	101	3	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC27399
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC27393-29MS	N83696.D	1	12/27/13	JB	n/a	n/a	MSN3123
MC27393-29MSD	N83697.D	1	12/27/13	JB	n/a	n/a	MSN3123
MC27393-29	N83679.D	1	12/27/13	JB	n/a	n/a	MSN3123

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27399-1, MC27399-2, MC27399-3, MC27399-4, MC27399-5

CAS No.	Compound	MC27393-29 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
79-20-9	Methyl Acetate	ND		50	34.9	70	34.2	68	2	34-145/30
108-87-2	Methylcyclohexane	ND		50	50.0	100	50.4	101	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	ND		50	39.4	79	40.2	80	2	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	48.1	96	48.4	97	1	70-130/30
75-09-2	Methylene chloride	ND		50	45.6	91	45.7	91	0	70-130/30
91-20-3	Naphthalene	ND		50	54.3	109	55.0	110	1	70-130/30
103-65-1	n-Propylbenzene	ND		50	45.2	90	46.3	93	2	70-130/30
100-42-5	Styrene	ND		50	49.7	99	48.6	97	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	46.2	92	46.7	93	1	70-130/30
127-18-4	Tetrachloroethene	ND		50	47.4	95	45.0	90	5	70-130/30
108-88-3	Toluene	ND		50	49.3	99	48.7	97	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		50	51.5	103	51.9	104	1	70-130/30
71-55-6	1,1,1-Trichloroethane	1.3		50	51.0	99	51.0	99	0	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		50	46.8	94	46.3	93	1	70-130/30
79-01-6	Trichloroethene	6.4		50	52.7	93	52.6	92	0	70-130/30
75-69-4	Trichlorofluoromethane	ND		50	39.0	78	39.1	78	0	70-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		50	45.8	92	46.3	93	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	ND		50	44.8	90	45.5	91	2	70-130/30
75-01-4	Vinyl chloride	ND		50	37.7	75	37.6	75	0	70-130/30
	m,p-Xylene	ND		100	96.8	97	91.3	91	6	70-130/30
95-47-6	o-Xylene	ND		50	46.4	93	45.0	90	3	70-130/30
1330-20-7	Xylene (total)	ND		150	143	95	136	91	5	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC27393-29	Limits
1868-53-7	Dibromofluoromethane	91%	89%	87%	70-130%
2037-26-5	Toluene-D8	99%	99%	102%	70-130%
460-00-4	4-Bromofluorobenzene	94%	96%	103%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC27399
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSN3086-BFB
Lab File ID: N82687.D
Instrument ID: GCMSN
Injection Date: 11/25/13
Injection Time: 11:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11360	21.6		Pass
75	30.0 - 60.0% of mass 95	27176	51.7		Pass
95	Base peak, 100% relative abundance	52520	100.0		Pass
96	5.0 - 9.0% of mass 95	3408	6.49		Pass
173	Less than 2.0% of mass 174	432	0.82	(0.91) [a]	Pass
174	50.0 - 150.0% of mass 95	47480	90.4		Pass
175	5.0 - 9.0% of mass 174	3196	6.09	(6.73) [a]	Pass
176	95.0 - 101.0% of mass 174	46936	89.4	(98.9) [a]	Pass
177	5.0 - 9.0% of mass 176	2804	5.34	(5.97) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSN3086-IC3086	N82689.D	11/25/13	12:33	00:56	Initial cal 0.5
ZZZZZZ	N82689B.D	11/25/13	12:33	00:56	(unrelated sample)
ZZZZZZ	N82690A.D	11/25/13	13:01	01:24	(unrelated sample)
MSN3086-IC3086	N82690.D	11/25/13	13:01	01:24	Initial cal 1
ZZZZZZ	N82691A.D	11/25/13	13:28	01:51	(unrelated sample)
MSN3086-IC3086	N82691.D	11/25/13	13:28	01:51	Initial cal 2
ZZZZZZ	N82692A.D	11/25/13	13:56	02:19	(unrelated sample)
MSN3086-IC3086	N82692.D	11/25/13	13:56	02:19	Initial cal 5
ZZZZZZ	N82693A.D	11/25/13	14:24	02:47	(unrelated sample)
MSN3086-IC3086	N82693.D	11/25/13	14:24	02:47	Initial cal 10
MSN3086-IC3086	N82694.D	11/25/13	14:51	03:14	Initial cal 25
ZZZZZZ	N82694A.D	11/25/13	14:51	03:14	(unrelated sample)
MSN3086-ICC3086	N82695.D	11/25/13	15:19	03:42	Initial cal 50
MSN3086-IC3086	N82696.D	11/25/13	15:47	04:10	Initial cal 100
MSN3086-IC3086	N82697.D	11/25/13	16:15	04:38	Initial cal 200
MSN3086-IC3086	N82698.D	11/25/13	16:43	05:06	Initial cal 400
MSN3086-ICV3086	N82701.D	11/25/13	18:06	06:29	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC27399
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSN3123-BFB
Lab File ID: N83672.D
Instrument ID: GCMSN
Injection Date: 12/27/13
Injection Time: 08:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	13803	19.6		Pass
75	30.0 - 60.0% of mass 95	32792	46.5		Pass
95	Base peak, 100% relative abundance	70464	100.0		Pass
96	5.0 - 9.0% of mass 95	4639	6.58		Pass
173	Less than 2.0% of mass 174	536	0.76	(0.89) [a]	Pass
174	50.0 - 150.0% of mass 95	60424	85.8		Pass
175	5.0 - 9.0% of mass 174	4070	5.78	(6.74) [a]	Pass
176	95.0 - 101.0% of mass 174	59832	84.9	(99.0) [a]	Pass
177	5.0 - 9.0% of mass 176	3542	5.03	(5.92) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSN3123-CC3086	N83672.D	12/27/13	08:58	00:00	Continuing cal 50
MSN3123-BS	N83672.D	12/27/13	08:58	00:00	Blank Spike
MSN3123-MB	N83675.D	12/27/13	10:22	01:24	Method Blank
ZZZZZZ	N83676.D	12/27/13	10:50	01:52	(unrelated sample)
ZZZZZZ	N83677.D	12/27/13	11:17	02:19	(unrelated sample)
MC27399-5	N83678.D	12/27/13	11:45	02:47	FB122213
MC27393-29	N83679.D	12/27/13	12:13	03:15	(used for QC only; not part of job MC27399)
ZZZZZZ	N83680.D	12/27/13	12:40	03:42	(unrelated sample)
ZZZZZZ	N83681.D	12/27/13	13:08	04:10	(unrelated sample)
ZZZZZZ	N83682.D	12/27/13	13:36	04:38	(unrelated sample)
ZZZZZZ	N83683.D	12/27/13	14:03	05:05	(unrelated sample)
ZZZZZZ	N83684.D	12/27/13	14:31	05:33	(unrelated sample)
ZZZZZZ	N83685.D	12/27/13	14:59	06:01	(unrelated sample)
ZZZZZZ	N83686.D	12/27/13	15:27	06:29	(unrelated sample)
ZZZZZZ	N83687.D	12/27/13	15:55	06:57	(unrelated sample)
ZZZZZZ	N83688.D	12/27/13	16:22	07:24	(unrelated sample)
MC27399-1	N83689.D	12/27/13	16:50	07:52	LBA-MW-34S
MC27399-2	N83690.D	12/27/13	17:18	08:20	LBA-MW-34N
MC27399-3	N83691.D	12/27/13	17:46	08:48	LBA-MW-37
MC27399-4	N83692.D	12/27/13	18:14	09:16	LBA-MW-38
ZZZZZZ	N83693.D	12/27/13	18:41	09:43	(unrelated sample)
ZZZZZZ	N83694.D	12/27/13	19:10	10:12	(unrelated sample)
ZZZZZZ	N83695.D	12/27/13	19:37	10:39	(unrelated sample)
MC27393-29MS	N83696.D	12/27/13	20:05	11:07	Matrix Spike

Instrument Performance Check (BFB)

Job Number: MC27399
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample:	MSN3123-BFB	**Injection Date:**	12/27/13
Lab File ID:	N83672.D	**Injection Time:**	08:58
Instrument ID:	GCMSN		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MC27393-29MSD	N83697.D	12/27/13	20:33	11:35	Matrix Spike Duplicate

Volatile Internal Standard Area Summary

Job Number: MC27399
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std: MSN3123-CC3086 **Injection Date:** 12/27/13
Lab File ID: N83672.D **Injection Time:** 08:58
Instrument ID: GCMSN **Method:** SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	236117	9.21	361886	10.08	194477	13.34	164606	15.89	112119	6.77
Upper Limit [a]	472234	9.71	723772	10.58	388954	13.84	329212	16.39	224238	7.27
Lower Limit [b]	118059	8.71	180943	9.58	97239	12.84	82303	15.39	56060	6.27

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSN3123-BS	236117	9.21	361886	10.08	194477	13.34	164606	15.89	112119	6.77
MSN3123-MB	221366	9.21	326926	10.09	166892	13.34	130011	15.89	96565	6.77
ZZZZZZ	218372	9.21	325957	10.08	165105	13.34	126018	15.89	90220	6.77
ZZZZZZ	219830	9.21	323062	10.08	167372	13.34	126468	15.90	101551	6.78
MC27399-5	215524	9.21	319847	10.08	167203	13.34	127738	15.89	103510	6.77
MC27393-29	218394	9.21	318255	10.08	161498	13.34	123364	15.89	91785	6.78
ZZZZZZ	220991	9.21	328015	10.08	168432	13.34	126656	15.89	90692	6.78
ZZZZZZ	217485	9.21	324917	10.08	167765	13.34	130585	15.89	86054	6.78
ZZZZZZ	209061	9.21	308641	10.09	162251	13.34	126221	15.90	82723	6.78
ZZZZZZ	214827	9.21	323507	10.09	163368	13.34	126210	15.89	84782	6.78
ZZZZZZ	208213	9.21	306131	10.08	156401	13.34	125124	15.89	81373	6.78
ZZZZZZ	210299	9.21	312546	10.08	163160	13.34	125386	15.89	79780	6.78
ZZZZZZ	210613	9.21	316611	10.09	161847	13.34	122705	15.89	86686	6.77
ZZZZZZ	216307	9.21	322955	10.08	165358	13.34	124808	15.89	80394	6.77
ZZZZZZ	208641	9.21	316221	10.08	157656	13.34	122771	15.89	85613	6.78
MC27399-1	215465	9.21	328557	10.08	166190	13.33	130925	15.89	88125	6.78
MC27399-2	214680	9.21	310883	10.08	160241	13.34	125591	15.89	73022	6.78
MC27399-3	211759	9.21	318710	10.09	162363	13.34	124138	15.89	74858	6.78
MC27399-4	207614	9.21	316971	10.08	157859	13.34	126018	15.89	54336[c]	6.78
ZZZZZZ	213990	9.21	323995	10.08	165053	13.34	126979	15.89	72958	6.78
ZZZZZZ	207007	9.21	315380	10.08	163733	13.34	129116	15.89	74619	6.78
ZZZZZZ	235849	9.21	408476	10.08	198448	13.34	175554	15.89	93384	6.77
MC27393-29MS	231321	9.21	348920	10.08	182616	13.34	160598	15.89	79375	6.77
MC27393-29MSD	233969	9.21	349676	10.08	191206	13.33	160096	15.89	81457	6.77

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits. Target analytes not associated with this internal standard.

Volatile Surrogate Recovery Summary

Job Number: MC27399
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8260C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC27399-1	N83689.D	91.0	99.0	102.0
MC27399-2	N83690.D	90.0	100.0	101.0
MC27399-3	N83691.D	92.0	99.0	102.0
MC27399-4	N83692.D	89.0	99.0	101.0
MC27399-5	N83678.D	91.0	100.0	105.0
MC27393-29MS	N83696.D	91.0	99.0	94.0
MC27393-29MSD	N83697.D	89.0	99.0	96.0
MSN3123-BS	N83672.D	92.0	99.0	97.0
MSN3123-MB	N83675.D	89.0	99.0	102.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC27399 **Sample:** MSN3086-ICC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82695.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report MSN

Method : C:\msdchem\1\methods\n131125w.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Calibration Files
1 =N82690.D 2 =N82691.D 5 =N82692.D 50 =N82695.D
100 =N82696.D 200 =N82697.D 400 =N82698.D 0.5 =N82689.D
25 =N82694.D 10 =N82693.D = =

Compound	1	2	5	50	100	200	400	0.5	25	10	Avg	%RSD
1) p tert butyl alcohol-d9	----------ISTD----------											
2) tertiary butyl alcohol	1.446	1.253	1.290	1.241	1.362	1.297		1.236	1.462		1.323	6.82
3) Ethanol	0.221	0.190	0.194	0.181	0.199	0.179		0.186	0.228		0.197	9.12
4) I pentafluorobenzene	----------ISTD----------											
5) dichlorodifluoromethane	0.919	0.719	0.702	0.655	0.642	0.577	0.469	0.824	0.724	0.738	0.697	17.88
6) chloromethane	0.823	0.733	0.688	0.574	0.597	0.592	0.564	0.954	0.620	0.675	0.682	18.36
7) vinyl chloride	1.119	0.864	0.824	0.765	0.746	0.663		0.827	0.903		0.839	16.15
8) bromomethane	0.282	0.273	0.306	0.312	0.342	0.299		0.304	0.303		0.303	6.75
9) chloroethane	0.467	0.352	0.372	0.353	0.346	0.323	0.271	0.361	0.376	0.395	0.362	13.86
10) ethyl ether	0.606	0.500	0.535	0.480	0.480	0.473	0.454	0.570	0.493	0.551	0.514	9.53
11) acetonitrile											0.000#	-1.00
12) trichlorofluoromethane	1.243	0.962	0.938	0.907	0.885	0.788	0.637	1.119	0.979	1.033	0.949	17.65
13) freon-113	0.712	0.525	0.533	0.523	0.521	0.384	0.405		0.550	0.614	0.530	18.56
14) acrolein		0.112	0.115	0.118	0.114	0.108		0.126	0.125		0.117	5.75
15) 1,1-dichloroethene	0.764	0.594	0.545	0.472	0.457	0.363	0.365		0.498	0.591	0.516	24.32
---- Linear regression ---- Coefficient = 0.9959												
Response Ratio = 0.05629 + 0.35990 *A												
16) acetone		0.085	0.071	0.061	0.052	0.050		0.086	0.095		0.072#	24.84
---- Linear regression ---- Coefficient = 0.9971												
Response Ratio = 0.01521 + 0.04858 *A												
17) Methyl Acetate		0.934	0.843	0.812	0.741	0.686		0.891	1.009		0.845	13.16
18) methylene chloride	0.739	0.584	0.630	0.554	0.553	0.531	0.519		0.571	0.648	0.592	11.77
19) methyl tert butyl ether	1.294	1.040	1.102	1.110	1.254	1.364	1.394	1.439	1.109	1.247	1.235	11.27
20) acrylonitrile												

Initial Calibration Summary

Job Number: MC27399 **Sample:** MSN3086-ICC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82695.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                    0.225 0.219 0.211 0.215 0.207       0.225 0.254  0.222    6.98
21)  allyl chloride
                    0.824 0.891 0.901 0.797 0.681       0.907 0.949  0.850   10.68
22)  trans-1,2-dichloroethene
          0.707 0.596 0.519 0.500 0.502 0.444 0.444 0.615 0.524 0.584  0.543   15.10
23)  iodomethane
                    0.257 0.460 0.543 0.502 0.415       0.412 0.345  0.419   23.02
           ---- Quadratic regression ----  Coefficient =  0.9993
             Response Ratio = -0.06924 + 0.61110 *A + -0.02343 *A^2

24)  carbon disulfide
                1.798 1.753 1.694 1.691 1.379 1.389       1.745 1.925  1.672   11.50
25)  propionitrile
                          0.011 0.009 0.007 0.004       0.011 0.017  0.010#  43.33
           ---- Quadratic regression ----  Coefficient =  0.9944
             Response Ratio = 0.00215 + 0.00832 *A + -0.00052 *A^2

26)  vinyl acetate
                    0.934 0.843 0.812 0.741 0.686       0.891 1.009  0.845   13.16
27)  chloroprene
          0.978 0.836 0.853 0.906 0.935 0.751 0.758       0.921 0.986  0.880    9.86
28)  di-isopropyl ether
                2.097 2.119 2.050 2.038 1.964 1.877       2.086 2.347  2.072    6.57
29)  methacrylonitrile
                0.306 0.384 0.347 0.343 0.344 0.342       0.395 0.413  0.359    9.68
30)  2-butanone
                    0.058 0.067 0.064 0.059 0.058       0.068 0.065  0.063#   6.87
31)  Hexane
                    0.987 0.935 0.931 0.759 0.773       0.962 1.099  0.921   13.00
32)  1,1-dichloroethane
          1.425 1.082 1.142 1.062 1.073 0.976 0.967 1.394 1.095 1.228  1.144   13.86
33)  tert-butyl ethyl ether
                0.553 0.700 1.106 1.319 1.497 1.621       0.930 0.856  1.073   35.56
           ---- Linear regression ----  Coefficient =  0.9973
             Response Ratio = -0.30055 + 1.63093 *A

34)  isobutyl alcohol
                    0.370 0.349 0.345 0.307 0.301       0.367 0.404  0.349   10.42
35)  2,2-dichloropropane
                    0.318 0.631 0.709 0.638 0.672       0.546 0.482  0.571   23.74
           ---- Linear regression ----  Coefficient =  0.9989
             Response Ratio = -0.03726 + 0.67340 *A

36)  cis-1,2-dichloroethene
          0.762 0.600 0.603 0.557 0.560 0.534 0.534 0.756 0.582 0.646  0.613   13.69
37)  ethyl acetate
                1.827 1.865 1.745 1.729 1.536 1.503       1.846 2.020  1.759    9.79
38)  bromochloromethane
          0.297 0.221 0.267 0.258 0.260 0.243 0.231       0.260 0.305  0.260   10.68
39)  chloroform
          1.293 0.995 1.035 1.000 1.003 0.942 0.938 1.194 1.011 1.148  1.056   11.05
40)  dibromofluoromethane (s)
                    0.521 0.493 0.487 0.477 0.467       0.489 0.488  0.489    3.43
41)  Tetrahydrofuran
                    0.169 0.156 0.155 0.155 0.153       0.164 0.184  0.162    7.00
42)  1,1,1-trichloroethane
          0.871 0.659 0.732 0.815 0.839 0.701 0.720 0.681 0.814 0.850  0.768   10.10

43) I   1,4-difluorobenzene   ----------------ISTD---------------------
44)  Cyclohexane
```

Initial Calibration Summary

Job Number: MC27399 **Sample:** MSN3086-ICC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82695.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                0.666 0.732 0.704 0.721 0.547 0.577       0.715 0.780  0.680   11.77
45)  carbon tetrachloride
          0.389 0.339 0.385 0.445 0.468 0.375 0.392       0.431 0.462  0.409   10.70
46)  1,1-dichloropropene
                0.446 0.495 0.477 0.492 0.400 0.405       0.493 0.529  0.467    9.83
47)  benzene
          1.775 1.504 1.519 1.407 1.460 1.305 1.301 1.837 1.426 1.650  1.519   12.07
48)  1,2-dichloroethane
          0.634 0.486 0.548 0.513 0.532 0.532 0.511       0.519 0.600  0.542    8.65
49)  tert-amyl methyl ether
          0.676 0.492 0.542 0.587 0.707 0.769 0.821       0.543 0.594  0.637   17.63
50)  heptane
          0.622 0.477 0.472 0.463 0.482 0.379 0.421       0.475 0.517  0.479   13.92
51)  trichloroethene
          0.446 0.406 0.396 0.381 0.390 0.338 0.338 0.419 0.376 0.434  0.392    9.23
52)  1,2-dichloropropane
                0.392 0.448 0.417 0.435 0.418 0.406       0.419 0.470  0.426    5.77
53)  dibromomethane
                0.215 0.243 0.221 0.233 0.230 0.227       0.222 0.254  0.231    5.46
54)  bromodichloromethane
          0.595 0.487 0.497 0.501 0.526 0.515 0.515       0.504 0.572  0.524    6.89
55)  Methylcyclohexane
          0.837 0.607 0.639 0.650 0.671 0.520 0.561       0.661 0.713  0.651   13.96
56)  2-chloroethyl vinyl ether
                                                                       0.000#  -1.00
57)  methyl methacrylate
                      0.210 0.218 0.232 0.232 0.233       0.219 0.236  0.226    4.37
58)  1,4-dioxane
                            0.004 0.004 0.004 0.004       0.004 0.004  0.004#   2.52
59)  cis-1,3-dichloropropene
          0.535 0.468 0.512 0.561 0.604 0.618 0.606 0.512 0.548 0.595  0.556    8.95
60)  toluene-d8 (s)
                      1.305 1.221 1.224 1.145 1.074       1.231 1.253  1.207    6.25
61)  4-methyl-2-pentanone
                      0.343 0.341 0.353 0.346 0.338       0.348 0.393  0.352    5.34
62)  toluene
          1.054 0.818 0.823 0.842 0.871 0.782 0.779       0.842 0.952  0.863   10.24
63)  trans-1,3-dichloropropene
          0.449 0.403 0.438 0.456 0.495 0.522 0.523 0.428 0.448 0.483  0.464    8.61
64)  1,1,2-trichloroethane
          0.342 0.274 0.288 0.280 0.290 0.290 0.283       0.282 0.323  0.295    7.63
65)  ethyl methacrylate
                      0.379 0.404 0.421 0.425 0.427       0.394 0.438  0.413    5.05

66) I   chlorobenzene-d5      ----------------ISTD--------------------
67)  tetrachloroethene
          0.949 0.702 0.717 0.692 0.719 0.603 0.625 0.952 0.702 0.810  0.747   16.18
68)  1,3-dichloropropane
          1.158 0.951 1.056 1.019 1.030 1.036 1.011       1.007 1.144  1.046    6.34
69)  dibromochloromethane
          0.777 0.586 0.646 0.664 0.705 0.717 0.712 0.703 0.640 0.748  0.690    8.19
70)  1,2-dibromoethane
                0.571 0.601 0.595 0.619 0.637 0.622       0.589 0.688  0.615    5.87
71)  2-hexanone
                      0.380 0.448 0.455 0.432 0.426       0.447 0.481  0.438    7.17
72)  chlorobenzene
          2.285 1.810 1.779 1.746 1.778 1.702 1.679       1.724 1.995  1.833   10.52
73)  1,1,1,2-tetrachloroethane
          0.720 0.581 0.590 0.586 0.620 0.607 0.602 0.683 0.577 0.658  0.622    7.84
74)  ethylbenzene
```

```
          4.230 3.174 3.186 3.128 3.212 2.877 2.888       3.135 3.541  3.263   12.60
75)  m,p-xylene
          1.554 1.179 1.213 1.224 1.256 1.132 1.135 1.488 1.225 1.393  1.280   11.53
76)  o-xylene
          1.502 1.195 1.214 1.215 1.249 1.171 1.165 1.540 1.200 1.369  1.282   10.81
77)  styrene
                1.590 1.745 1.891 1.966 1.932 1.916       1.799 1.996  1.854    7.30
78)  bromoform
          0.461 0.403 0.431 0.451 0.482 0.504 0.511       0.426 0.489  0.462    8.15
79)  trans-1,4-dichloro-2-butene
                      0.117 0.164 0.189 0.201 0.207       0.153 0.147  0.168   19.39

80) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
81)  isopropylbenzene
                3.936 4.055 3.685 3.671 3.197 3.327       3.834 4.510  3.777   10.97
82)  bromofluorobenzene (s)
                      1.233 1.035 1.008 0.978 0.959       1.087 1.097  1.057    8.82
83)  bromobenzene
                0.957 0.877 0.839 0.857 0.845 0.848       0.876 1.028  0.891    7.50
84)  1,1,2,2-tetrachloroethane
          1.192 0.991 1.027 0.894 0.888 0.864 0.871 1.098 0.976 1.119  0.992   11.65
85)  1,2,3-trichloropropane
                      0.949 0.889 0.921 0.911 0.946       0.924 1.065  0.944    6.08
86)  n-propylbenzene
                      4.918 4.508 4.472 3.894 4.043       4.744 5.404  4.569   11.28
87)  2-chlorotoluene
                      3.044 2.687 2.685 2.466 2.505       2.831 3.305  2.789   10.75
88)  4-chlorotoluene
                      2.864 2.719 2.717 2.533 2.582       2.842 3.236  2.785    8.38
89)  1,3,5-trimethylbenzene
          4.566 3.390 3.352 3.165 3.164 2.871 2.922       3.266 3.778  3.386   15.28
90)  tert-butylbenzene
                      2.026 1.944 1.915 1.676 1.745       2.003 2.323  1.947   10.82
91)  1,2,4-trimethylbenzene
          4.259 3.224 3.332 3.063 3.083 2.858 2.915       3.194 3.603  3.281   13.07
92)  sec-butylbenzene
                      4.613 4.321 4.281 3.694 3.850       4.478 5.183  4.346   11.37
93)  1,3-dichlorobenzene
          2.257 1.742 1.841 1.680 1.698 1.650 1.681       1.698 1.962  1.801   10.97
94)  p-isopropyltoluene
                      3.383 3.336 3.346 2.957 3.013       3.497 3.879  3.344    9.21
95)  1,4-dichlorobenzene
          2.140 1.794 1.740 1.636 1.659 1.635 1.611       1.671 1.880  1.752    9.70
96)  1,2-dichlorobenzene
          2.268 1.789 1.725 1.613 1.647 1.634 1.621       1.656 1.856  1.757   11.89
97)  n-butylbenzene
                      3.187 3.337 3.382 2.950 3.082       3.389 3.659  3.284    7.10
98)  1,2-dibromo-3-chloropropane
                      0.168 0.152 0.158 0.155 0.156       0.162 0.178  0.161    5.52
99)  1,2,4-trichlorobenzene
                      0.821 0.990 1.057 1.054 1.086       0.946 0.993  0.992    9.02
100)  1,3,5-trichlorobenzene
                      1.238 1.197 1.213 1.179 1.208       1.211 1.362  1.230    4.98
101)  hexachlorobutadiene
                      0.784 0.729 0.738 0.626 0.706       0.729 0.859  0.739    9.63
102)  naphthalene
                      1.278 2.104 2.291 2.338 2.415       1.936 1.754  2.016   19.89
103)  1,2,3-trichlorobenzene
                      0.845 0.946 0.989 0.989 1.038       0.913 0.957  0.954    6.51
104)  2-methylnaphthalene
```

Initial Calibration Summary

Job Number: MC27399 **Sample:** MSN3086-ICC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82695.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
                          0.545 0.748 0.881 1.021       0.458 0.560  0.702   31.26
            ---- Linear regression ----  Coefficient =  0.9947
              Response Ratio = -0.19719 + 1.04696 *A

105)  1-methylnaphthalene
                       0.654 0.670 0.802 0.849 0.909       0.522 0.564  0.710   20.65
            ---- Linear regression ----  Coefficient =  0.9985
              Response Ratio = -0.08090 + 0.91879 *A

 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           n131125w.m        Tue Nov 26 10:23:19 2013
```

Initial Calibration Verification

Job Number: MC27399 **Sample:** MSN3086-ICV3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82701.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\N131125\N82701.D Vial: 32
Acq On : 25 Nov 2013 6:06 pm Operator: jaclynb
Sample : icv3086-50 Inst : MSN
Misc : ms30628,MSN3086,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\n131125w.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Nov 26 10:17:34 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	p	tert butyl alcohol-d9	500.000	500.000	0.0	82	0.00	6.77
2	P	tertiary butyl alcohol	500.000	575.579	-15.1	97	0.00	6.85
3	p	Ethanol	5000.000	5425.345	-8.5	90	0.00	5.62
4	I	pentafluorobenzene	50.000	50.000	0.0	98	0.00	9.21
5	p	dichlorodifluoromethane	50.000	38.720	22.6#	81	0.00	4.42
6	P	chloromethane	50.000	42.258	15.5	98	0.00	4.68
7	p	vinyl chloride	50.000	40.788	18.4	88	0.00	4.93
8	p	bromomethane	50.000	49.804	0.4	97	0.00	5.45
9	p	chloroethane	50.000	54.801	-9.6	110	0.00	5.62
10	p	ethyl ether	50.000	45.014	10.0	95	0.00	6.51
11	p	acetonitrile	50.000	0.000	100.0#	0	0.00	6.17
12	p	trichlorofluoromethane	50.000	46.034	7.9	94	0.00	6.27
13	p	freon-113	50.000	48.760	2.5	97	0.00	7.05
14	p	acrolein	250.000	208.55	16.6	85	0.00	6.27
15	p	1,1-dichloroethene	50.000	55.770	-11.5	95	0.00	6.87
16	p	acetone	50.000	37.118	25.8#	71	0.00	6.40
17	M	Methyl Acetate	50.000	36.920	26.2#	73	0.00	7.04
18	p	methylene chloride	50.000	45.663	8.7	96	0.00	7.01
19	p	methyl tert butyl ether	50.000	42.593	14.8	93	0.00	7.80
20	p	acrylonitrile	50.000	46.440	7.1	98	0.00	6.91
21	p	allyl chloride	50.000	48.978	2.0	92	0.00	7.11
22	p	trans-1,2-dichloroethene	50.000	46.680	6.6	100	0.00	7.71
		----------	Amount	Calc.	%Drift		----------	
23	p	iodomethane	50.000	40.943	18.1	88	0.00	6.93
		----------	Amount	Calc.	%Drift		----------	
24	p	carbon disulfide	50.000	46.771	6.5	91	0.00	7.30
		----------	Amount	Calc.	%Drift		----------	
25	p	propionitrile	50.000	65.140	-30.3#	111	0.00	6.84
		----------	Amount	Calc.	%Drift		----------	
26	p	vinyl acetate	50.000	36.920	26.2#	73	0.00	7.04
27	p	chloroprene	50.000	53.406	-6.8	102	0.00	8.33
28	p	di-isopropyl ether	50.000	46.750	6.5	93	0.00	8.35
29	p	methacrylonitrile	50.000	45.585	8.8	92	0.00	8.48
30	p	2-butanone	50.000	46.323	7.4	85	0.00	8.37
31	p	Hexane	50.000	46.182	7.6	89	0.00	8.34
32	P	1,1-dichloroethane	50.000	46.329	7.3	98	0.00	7.96
33	p	tert-butyl ethyl ether	50.000	41.919	16.2	95	0.00	8.75

Initial Calibration Verification

Job Number: MC27399 **Sample:** MSN3086-ICV3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82701.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

34	p	isobutyl alcohol	250.000	231.552	7.4	91	0.00	8.35
35	p	2,2-dichloropropane	50.000	47.201	5.6	93	0.00	8.82
36	p	cis-1,2-dichloroethene	50.000	44.887	10.2	97	0.00	8.53
37	p	ethyl acetate	50.000	45.104	9.8	89	0.00	8.35
38	p	bromochloromethane	50.000	49.770	0.5	98	0.00	8.70
39	p	chloroform	50.000	46.259	7.5	96	0.00	8.74
40	S	dibromofluoromethane (s)	50.000	50.436	-0.9	98	0.00	8.86
41	p	Tetrahydrofuran	50.000	44.079	11.8	90	0.00	9.06
42	p	1,1,1-trichloroethane	50.000	51.999	-4.0	96	0.00	9.49
43	I	1,4-difluorobenzene	50.000	50.000	0.0	97	0.00	10.08
44	p	Cyclohexane	50.000	47.293	5.4	89	0.00	9.77
45	p	carbon tetrachloride	50.000	53.484	-7.0	95	0.00	9.86
46	p	1,1-dichloropropene	50.000	51.637	-3.3	98	0.00	9.67
47	p	benzene	50.000	46.028	7.9	96	0.00	9.89
48	p	1,2-dichloroethane	50.000	47.019	6.0	96	0.00	9.39
49	p	tert-amyl methyl ether	50.000	44.612	10.8	94	0.00	10.00
50	p	heptane	50.000	42.833	14.3	86	0.00	10.35
51	p	trichloroethene	50.000	47.411	5.2	95	0.00	10.51
52	p	1,2-dichloropropane	50.000	48.483	3.0	96	0.00	10.47
53	p	dibromomethane	50.000	48.142	3.7	98	0.00	10.45
54	p	bromodichloromethane	50.000	48.198	3.6	98	0.00	10.56
55	p	Methylcyclohexane	50.000	49.838	0.3	97	0.00	11.02
56	p	2-chloroethyl vinyl ether	50.000	0.000	100.0#	0	0.00	10.08
57	p	methyl methacrylate	50.000	47.444	5.1	95	0.00	10.65
58	p	1,4-dioxane	250.000	251.809	-0.7	94	0.00	10.66
59	p	cis-1,3-dichloropropene	50.000	48.029	3.9	92	0.00	11.17
60	S	toluene-d8 (s)	50.000	52.003	-4.0	100	0.00	11.88
61	p	4-methyl-2-pentanone	50.000	48.041	3.9	96	0.00	11.26
62	p	toluene	50.000	49.268	1.5	98	0.00	11.95
63	p	trans-1,3-dichloropropene	50.000	51.157	-2.3	101	0.00	11.59
64	p	1,1,2-trichloroethane	50.000	48.460	3.1	99	0.00	11.76
65	p	ethyl methacrylate	50.000	48.703	2.6	96	0.00	11.96
66	I	chlorobenzene-d5	50.000	50.000	0.0	102	0.00	13.34
67	p	tetrachloroethene	50.000	44.560	10.9	99	0.00	12.69
68	p	1,3-dichloropropane	50.000	45.697	8.6	96	0.00	12.00
69	p	dibromochloromethane	50.000	47.116	5.8	100	0.00	12.29
70	p	1,2-dibromoethane	50.000	45.055	9.9	95	0.00	12.55
71	p	2-hexanone	50.000	46.282	7.4	93	0.00	12.12
72	P	chlorobenzene	50.000	43.816	12.4	94	0.00	13.37
73	p	1,1,1,2-tetrachloroethane	50.000	47.201	5.6	103	0.00	13.29
74	p	ethylbenzene	50.000	46.999	6.0	101	0.00	13.54
75	p	m,p-xylene	100.000	90.453	9.5	97	0.00	13.73
76	p	o-xylene	50.000	44.493	11.0	96	0.00	14.14
77	p	styrene	50.000	49.451	1.1	99	0.00	14.07
78	P	bromoform	50.000	46.829	6.3	98	0.00	13.90
79	p	trans-1,4-dichloro-2-bute	50.000	45.258	9.5	95	0.00	14.29
80	I	1,4-dichlorobenzene-d4	50.000	50.000	0.0	100	0.00	15.89
81	p	isopropylbenzene	50.000	47.597	4.8	98	0.00	14.50
82	S	bromofluorobenzene (s)	50.000	48.466	3.1	99	0.00	14.56
83	p	bromobenzene	50.000	47.468	5.1	101	0.00	14.79
84	P	1,1,2,2-tetrachloroethane	50.000	46.187	7.6	103	0.00	14.14
85	p	1,2,3-trichloropropane	50.000	47.703	4.6	101	0.00	14.29
86	p	n-propylbenzene	50.000	46.531	6.9	94	0.00	14.94
87	p	2-chlorotoluene	50.000	46.056	7.9	96	0.00	15.07
88	p	4-chlorotoluene	50.000	48.214	3.6	99	0.00	15.14
89	p	1,3,5-trimethylbenzene	50.000	46.456	7.1	99	0.00	15.22
90	p	tert-butylbenzene	50.000	48.694	2.6	98	0.00	15.53

Initial Calibration Verification

Job Number: MC27399 **Sample:** MSN3086-ICV3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N82701.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

91	p	1,2,4-trimethylbenzene	50.000	45.987	8.0	99	0.00	15.63
92	M	sec-butylbenzene	50.000	49.370	1.3	99	0.00	15.75
93	p	1,3-dichlorobenzene	50.000	46.611	6.8	100	0.00	15.86
94	p	p-isopropyltoluene	50.000	51.420	-2.8	103	0.00	15.92
95	p	1,4-dichlorobenzene	50.000	48.501	3.0	104	0.00	15.92
96	p	1,2-dichlorobenzene	50.000	45.720	8.6	100	0.00	16.29
97	p	n-butylbenzene	50.000	51.873	-3.7	102	0.00	16.33
98	p	1,2-dibromo-3-chloropropa	50.000	46.192	7.6	98	0.00	16.76
99	p	1,2,4-trichlorobenzene	50.000	51.516	-3.0	103	0.00	18.12
100	p	1,3,5-trichlorobenzene	50.000	49.762	0.5	102	0.00	17.57
101	p	hexachlorobutadiene	50.000	53.133	-6.3	108	0.00	18.41
102	p	naphthalene	50.000	52.798	-5.6	101	0.00	18.39
103	p	1,2,3-trichlorobenzene	50.000	50.045	-0.1	101	0.00	18.60
104	p	2-methylnaphthalene	25.000	23.752	5.0	110	0.00	19.79
105	p	1-methylnaphthalene	25.000	23.212	7.2	103	0.00	20.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N82695.D n131125w.m Tue Nov 26 10:23:33 2013

Continuing Calibration Summary

Job Number: MC27399 **Sample:** MSN3123-CC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N83672.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\N131227\N83672.D Vial: 16
Acq On : 27 Dec 2013 8:58 am Operator: jaclynb
Sample : cc3086-50 Inst : MSN
Misc : ms30887,MSN3123,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\n131125w.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Nov 26 10:17:34 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	p	tert butyl alcohol-d9	1.000	1.000	0.0	130	0.00	6.77
2	P	tertiary butyl alcohol	1.323	1.316	0.5	133	0.00	6.85
3	p	Ethanol	0.197	0.186	5.6	125	0.00	5.62
4	I	pentafluorobenzene	1.000	1.000	0.0	115	0.00	9.21
5	p	dichlorodifluoromethane	0.697	0.610	12.5	107	0.00	4.43
6	P	chloromethane	0.682	0.753	-10.4	150	0.00	4.68
7	p	vinyl chloride	0.839	0.686	18.2	103	0.00	4.93
8	p	bromomethane	0.303	0.306	-1.0	115	0.00	5.45
9	p	chloroethane	0.362	0.388	-7.2	126	0.00	5.62
10	p	ethyl ether	0.514	0.505	1.8	121	0.00	6.51
11	p	acetonitrile	0.000	0.122	0.0	0#	0.00	6.17
12	p	trichlorofluoromethane	0.949	0.808	14.9	102	0.00	6.28
13	p	freon-113	0.530	0.520	1.9	114	0.00	7.05
14	p	acrolein	0.117	0.021#	82.1#	21#	0.00	6.26
			Amount	Calc.	%Drift			
15	p	1,1-dichloroethene	50.000	57.487	-15.0	114	0.00	6.86
16	p	acetone	50.000	39.519	21.0#	86	0.00	6.40
			AvgRF	CCRF	%Dev			
17	M	Methyl Acetate	0.845	0.742	12.2	101	0.00	7.04
18	p	methylene chloride	0.592	0.558	5.7	116	0.00	7.01
19	p	methyl tert butyl ether	1.235	1.017	17.7	105	0.00	7.79
20	p	acrylonitrile	0.222	0.489	-120.3#	257#	0.00	6.91
21	p	allyl chloride	0.850	0.954	-12.2	123	0.00	7.11
22	p	trans-1,2-dichloroethene	0.543	0.508	6.4	117	0.00	7.71
			Amount	Calc.	%Drift			
23	p	iodomethane	50.000	42.741	14.5	109	0.00	6.93
			AvgRF	CCRF	%Dev			
24	p	carbon disulfide	1.672	1.631	2.5	111	0.00	7.30
			Amount	Calc.	%Drift			
25	p	propionitrile	50.000	75.194	-50.4#	144	0.00	6.84
			AvgRF	CCRF	%Dev			
26	p	vinyl acetate	0.845	0.742	12.2	101	0.00	7.04
27	p	chloroprene	0.880	0.959	-9.0	121	0.00	8.33
28	p	di-isopropyl ether	2.072	2.071	0.0	116	0.00	8.35
29	p	methacrylonitrile	0.359	0.391	-8.9	129	0.00	8.48

Continuing Calibration Summary

Job Number: MC27399 **Sample:** MSN3123-CC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N83672.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

30	p	2-butanone	0.063	0.059#	6.3	101	0.00	8.37
31	p	Hexane	0.921	0.955	-3.7	117	0.00	8.34
32	P	1,1-dichloroethane	1.144	1.078	5.8	116	0.00	7.96
		----------	Amount	Calc.	%Drift	----------		
33	p	tert-butyl ethyl ether	50.000	42.062	15.9	111	0.00	8.75
		----------	AvgRF	CCRF	%Dev	----------		
34	p	isobutyl alcohol	0.349	0.352	-0.9	116	0.00	8.35
		----------	Amount	Calc.	%Drift	----------		
35	p	2,2-dichloropropane	50.000	52.398	-4.8	122	0.00	8.82
		----------	AvgRF	CCRF	%Dev	----------		
36	p	cis-1,2-dichloroethene	0.613	0.549	10.4	113	0.00	8.53
37	p	ethyl acetate	1.759	1.761	-0.1	116	0.00	8.35
38	p	bromochloromethane	0.260	0.250	3.8	111	0.00	8.70
39	p	chloroform	1.056	0.944	10.6	108	0.00	8.74
40	S	dibromofluoromethane (s)	0.489	0.448	8.4	104	0.00	8.86
41	p	Tetrahydrofuran	0.162	0.175	-8.0	129	0.00	9.06
42	p	1,1,1-trichloroethane	0.768	0.774	-0.8	109	0.00	9.49
43	I	1,4-difluorobenzene	1.000	1.000	0.0	114	0.00	10.08
44	p	Cyclohexane	0.680	0.718	-5.6	117	0.00	9.77
45	p	carbon tetrachloride	0.409	0.423	-3.4	109	0.00	9.85
46	p	1,1-dichloropropene	0.467	0.488	-4.5	117	0.00	9.66
47	p	benzene	1.519	1.409	7.2	114	0.00	9.89
48	p	1,2-dichloroethane	0.542	0.489	9.8	109	0.00	9.39
49	p	tert-amyl methyl ether	0.637	0.513	19.5	100	0.00	10.00
50	p	heptane	0.479	0.521	-8.8	129	0.00	10.35
51	p	trichloroethene	0.392	0.378	3.6	113	0.00	10.50
52	p	1,2-dichloropropane	0.426	0.414	2.8	114	0.00	10.47
53	p	dibromomethane	0.231	0.218	5.6	113	0.00	10.45
54	p	bromodichloromethane	0.524	0.482	8.0	110	0.00	10.56
55	p	Methylcyclohexane	0.651	0.668	-2.6	117	0.00	11.02
56	p	2-chloroethyl vinyl ether	0.000	0.238	0.0	0#	0.00	10.08
57	p	methyl methacrylate	0.226	0.234	-3.5	123	0.00	10.64
58	p	1,4-dioxane	0.004	0.004#	0.0	124	0.00	10.65
59	p	cis-1,3-dichloropropene	0.556	0.545	2.0	111	0.00	11.17
60	S	toluene-d8 (s)	1.207	1.199	0.7	112	0.00	11.88
61	p	4-methyl-2-pentanone	0.352	0.388	-10.2	130	0.00	11.26
62	p	toluene	0.863	0.841	2.5	114	0.00	11.95
63	p	trans-1,3-dichloropropene	0.464	0.484	-4.3	121	0.00	11.59
64	p	1,1,2-trichloroethane	0.295	0.287	2.7	117	0.00	11.77
65	p	ethyl methacrylate	0.413	0.432	-4.6	122	0.00	11.96
66	I	chlorobenzene-d5	1.000	1.000	0.0	116	0.00	13.34
67	p	tetrachloroethene	0.747	0.689	7.8	115	0.00	12.69
68	p	1,3-dichloropropane	1.046	1.000	4.4	113	0.00	12.00
69	p	dibromochloromethane	0.690	0.667	3.3	116	0.00	12.29
70	p	1,2-dibromoethane	0.615	0.594	3.4	115	0.00	12.55
71	p	2-hexanone	0.438	0.504	-15.1	130	0.00	12.12
72	P	chlorobenzene	1.833	1.662	9.3	110	0.00	13.37
73	p	1,1,1,2-tetrachloroethane	0.622	0.586	5.8	116	0.00	13.29
74	p	ethylbenzene	3.263	3.111	4.7	115	0.00	13.54
75	p	m,p-xylene	1.280	1.189	7.1	112	0.00	13.72
76	p	o-xylene	1.282	1.171	8.7	111	0.00	14.14
77	p	styrene	1.854	1.880	-1.4	115	0.00	14.07
78	P	bromoform	0.462	0.464	-0.4	119	0.00	13.89
79	p	trans-1,4-dichloro-2-bute	0.168	0.190	-13.1	134	0.00	14.29

Continuing Calibration Summary

Job Number: MC27399 **Sample:** MSN3123-CC3086
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** N83672.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	112	0.00	15.89
81	p	isopropylbenzene	3.777	3.664	3.0	112	0.00	14.50
82	S	bromofluorobenzene (s)	1.057	1.020	3.5	111	0.00	14.56
83	p	bromobenzene	0.891	0.860	3.5	115	0.00	14.79
84	P	1,1,2,2-tetrachloroethane	0.992	1.023	-3.1	129	0.00	14.14
85	p	1,2,3-trichloropropane	0.944	1.032	-9.3	130	0.00	14.29
86	p	n-propylbenzene	4.569	4.295	6.0	107	0.00	14.94
87	p	2-chlorotoluene	2.789	2.609	6.5	109	0.00	15.07
88	p	4-chlorotoluene	2.785	2.722	2.3	112	0.00	15.14
89	p	1,3,5-trimethylbenzene	3.386	3.220	4.9	114	0.00	15.22
90	p	tert-butylbenzene	1.947	1.900	2.4	110	0.00	15.52
91	p	1,2,4-trimethylbenzene	3.281	3.080	6.1	113	0.00	15.63
92	M	sec-butylbenzene	4.346	4.372	-0.6	114	0.00	15.74
93	p	1,3-dichlorobenzene	1.801	1.732	3.8	116	0.00	15.85
94	p	p-isopropyltoluene	3.344	3.469	-3.7	117	0.00	15.92
95	p	1,4-dichlorobenzene	1.752	1.700	3.0	117	0.00	15.92
96	p	1,2-dichlorobenzene	1.757	1.632	7.1	114	0.00	16.29
97	p	n-butylbenzene	3.284	3.567	-8.6	120	0.00	16.33
98	p	1,2-dibromo-3-chloropropa	0.161	0.172	-6.8	128	0.00	16.76
99	p	1,2,4-trichlorobenzene	0.992	1.139	-14.8	129	0.00	18.12
100	p	1,3,5-trichlorobenzene	1.230	1.267	-3.0	119	0.00	17.57
101	p	hexachlorobutadiene	0.739	0.802	-8.5	124	0.00	18.40
102	p	naphthalene	2.016	2.575	-27.7#	137	0.00	18.39
103	p	1,2,3-trichlorobenzene	0.954	1.072	-12.4	127	0.00	18.60

			Amount	Calc.	%Drift			
104	p	2-methylnaphthalene	25.000	29.341	-17.4	172	-0.01	19.78
105	p	1-methylnaphthalene	25.000	28.977	-15.9	151	0.00	20.04

(#) = Out of Range SPCC's out = 3 CCC's out = 0
N82695.D n131125w.m Fri Dec 27 10:56:27 2013

New England ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83689.D
Acq On : 27 Dec 2013 4:50 pm
Operator : jaclynb
Sample : mc27399-1
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Dec 30 08:01:03 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

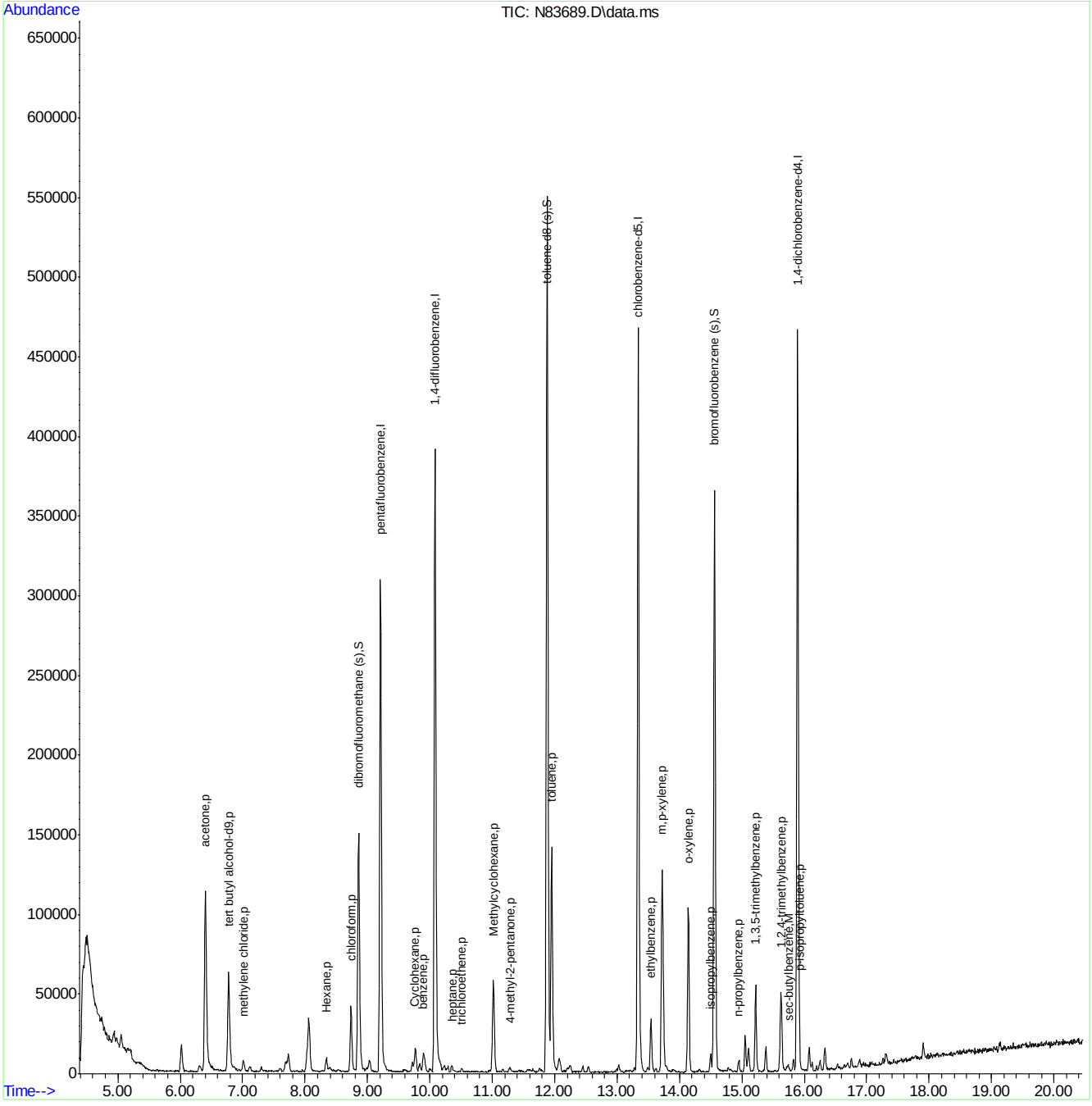
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.777	65	88125	500.00	ug/L		0.01
4) pentafluorobenzene	9.209	168	215465	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	328557	50.00	ug/L		0.00
66) chlorobenzene-d5	13.335	82	166190	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	130925	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	96312	45.73	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.46%				
60) toluene-d8 (s)	11.878	98	391534	49.35	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.70%				
82) bromofluorobenzene (s)	14.561	95	141715	51.22	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.44%				
Target Compounds							Qvalue
16) acetone	6.402	58	51120	228.53	ug/L		90
18) methylene chloride	7.014	84	2714	1.06	ug/L	#	75
31) Hexane	8.343	41	3123	0.79	ug/L	#	63
39) chloroform	8.739	83	34314	7.54	ug/L		99
44) Cyclohexane	9.760	56	8505	1.90	ug/L		87
47) benzene	9.895	78	8416	0.84	ug/L		95
50) heptane	10.358	43	2418	0.77	ug/L		86
51) trichloroethene	10.503	95	898	0.35	ug/L	#	66
55) Methylcyclohexane	11.015	83	22472	5.25	ug/L		95
61) 4-methyl-2-pentanone	11.284	43	3120	1.35	ug/L	#	85
62) toluene	11.952	92	59448	10.49	ug/L		98
74) ethylbenzene	13.540	91	27026	2.49	ug/L		99
75) m,p-xylene	13.720	106	45529	10.70	ug/L		94
76) o-xylene	14.141	106	30480	7.15	ug/L		93
81) isopropylbenzene	14.498	105	8082	0.82	ug/L		99
86) n-propylbenzene	14.947	91	7052	0.59	ug/L		82
89) 1,3,5-trimethylbenzene	15.223	105	31593	3.56	ug/L		96
91) 1,2,4-trimethylbenzene	15.629	105	24619	2.87	ug/L		99
92) sec-butylbenzene	15.749	105	2604	0.23	ug/L		95
94) p-isopropyltoluene	15.922	119	3098	0.35	ug/L		82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

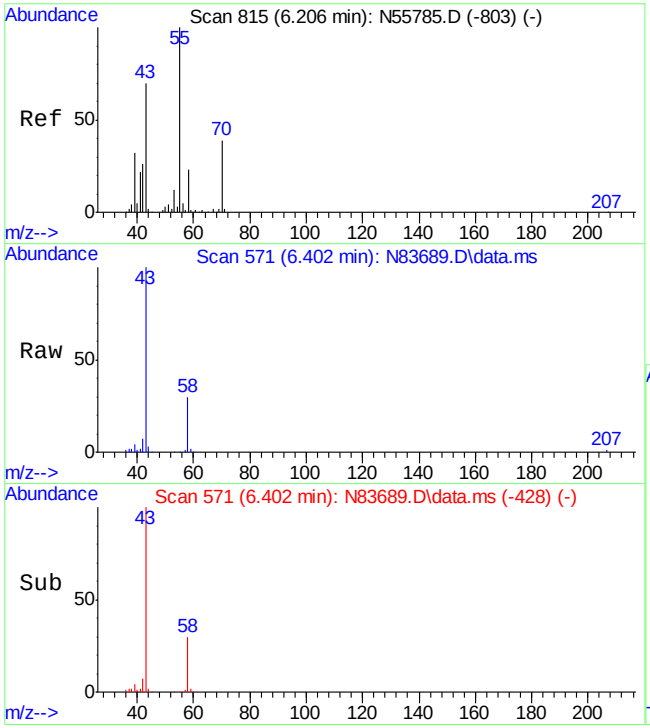
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83689.D
Acq On : 27 Dec 2013 4:50 pm
Operator : jaclynb
Sample : mc27399-1
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Dec 30 08:01:03 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



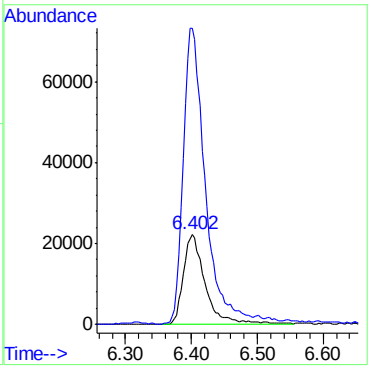
n131125w.m Mon Dec 30 08:01:10 2013 Page: 2

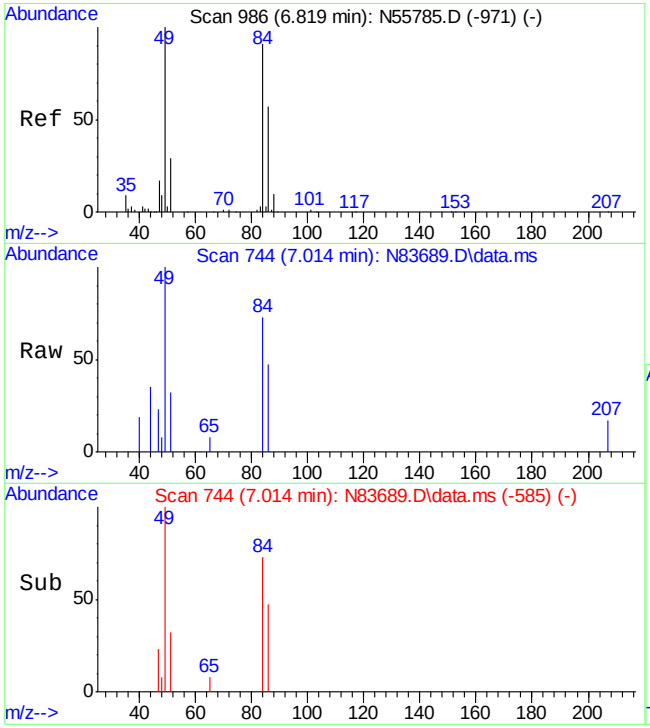


#16
acetone
Concen: 228.53 ug/L
RT: 6.402 min Scan# 571
Delta R.T. 0.004 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion: 58 Resp: 51120

Ion	Ratio	Lower	Upper
58	100		
43	327.4	319.3	379.3

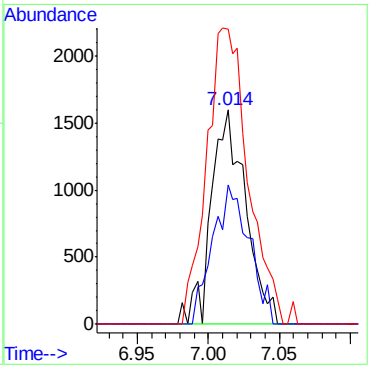


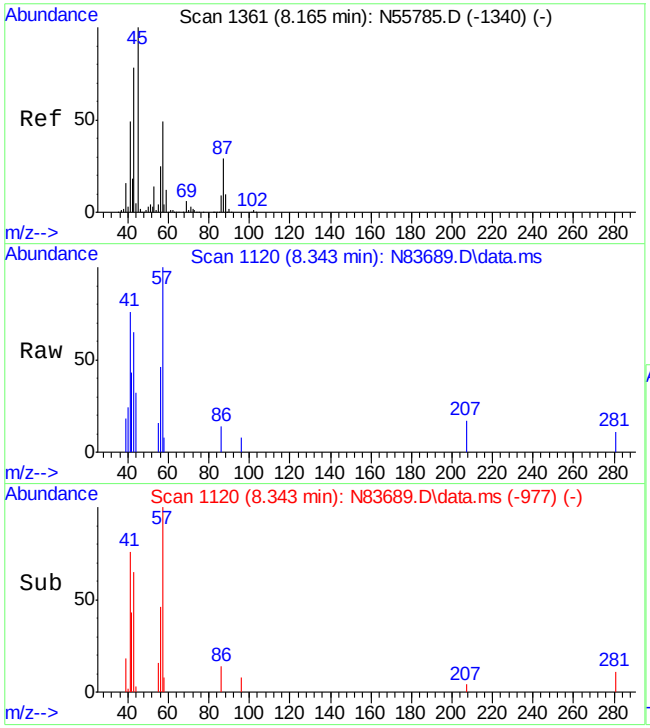


#18
methylene chloride
Concen: 1.06 ug/L
RT: 7.014 min Scan# 744
Delta R.T. 0.004 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion: 84 Resp: 2714

Ion	Ratio	Lower	Upper
84	100		
86	65.3	32.6	92.6
49	137.9	153.7	213.7#

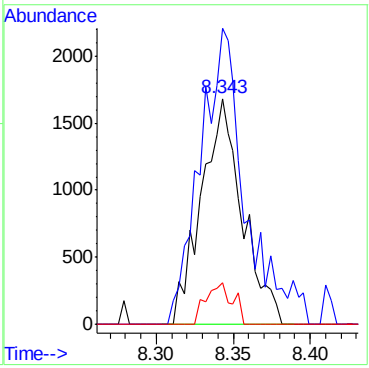


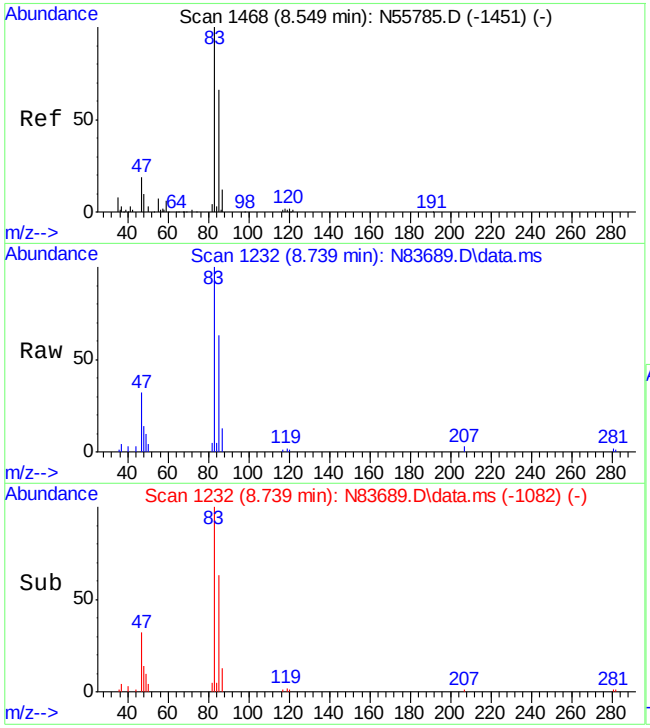


#31
Hexane
Concen: 0.79 ug/L
RT: 8.343 min Scan# 1120
Delta R.T. 0.004 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion: 41 Resp: 3123

Ion	Ratio	Lower	Upper
41	100		
57	131.2	75.5	113.3#
86	18.6	7.5	11.3#

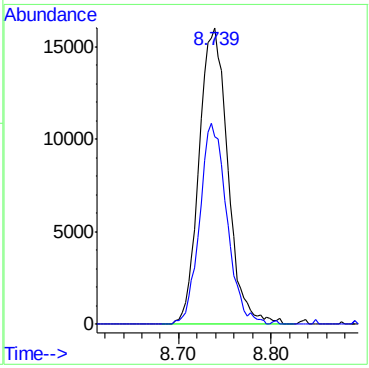


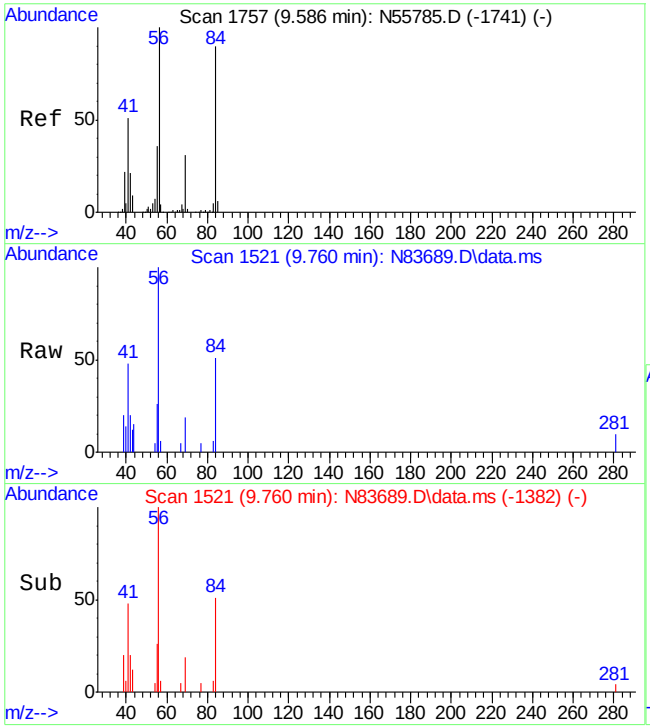


#39
chloroform
Concen: 7.54 ug/L
RT: 8.739 min Scan# 1232
Delta R.T. -0.000 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion: 83 Resp: 34314

Ion	Ratio	Lower	Upper
83	100		
85	63.2	34.2	94.2

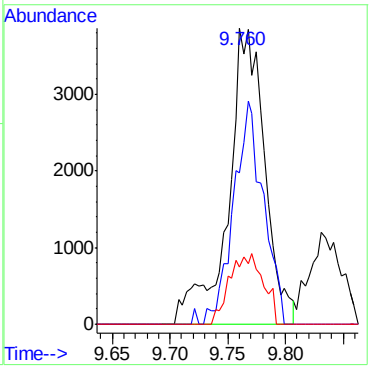


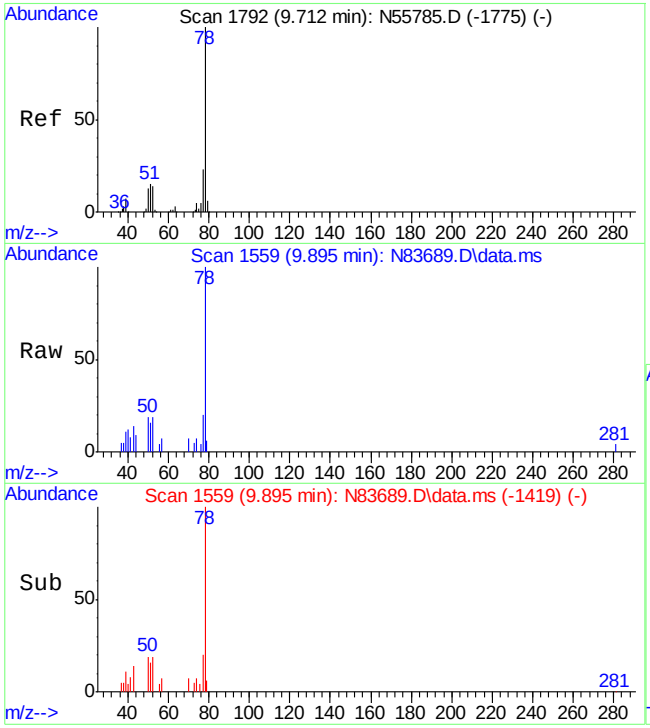


#44
Cyclohexane
Concen: 1.90 ug/L
RT: 9.760 min Scan# 1521
Delta R.T. -0.008 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion: 56 Resp: 8505

Ion	Ratio	Lower	Upper
56	100		
84	51.3	50.1	75.1
69	19.4	18.9	28.3

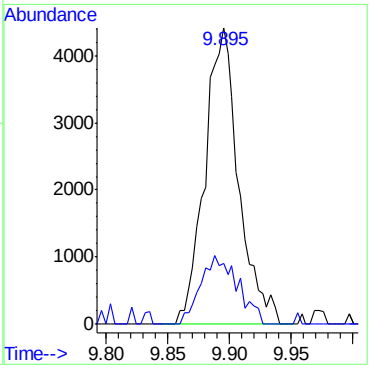


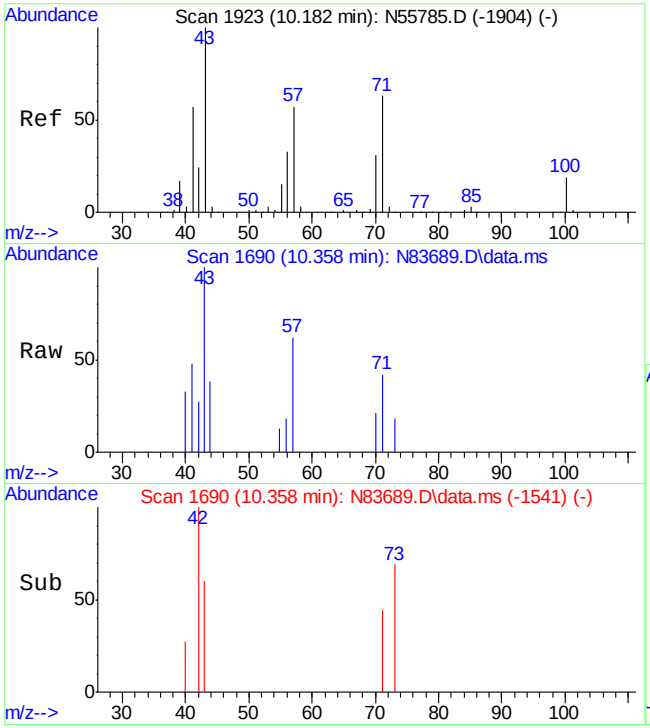


#47
benzene
Concen: 0.84 ug/L
RT: 9.895 min Scan# 1559
Delta R.T. 0.004 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion: 78 Resp: 8416

Ion	Ratio	Lower	Upper
78	100		
77	20.4	0.0	52.9

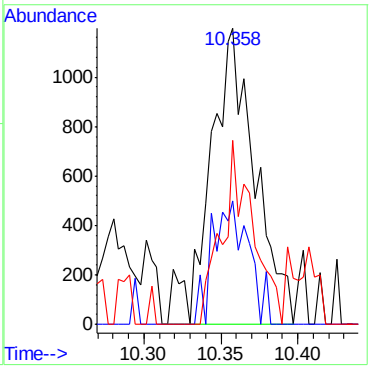


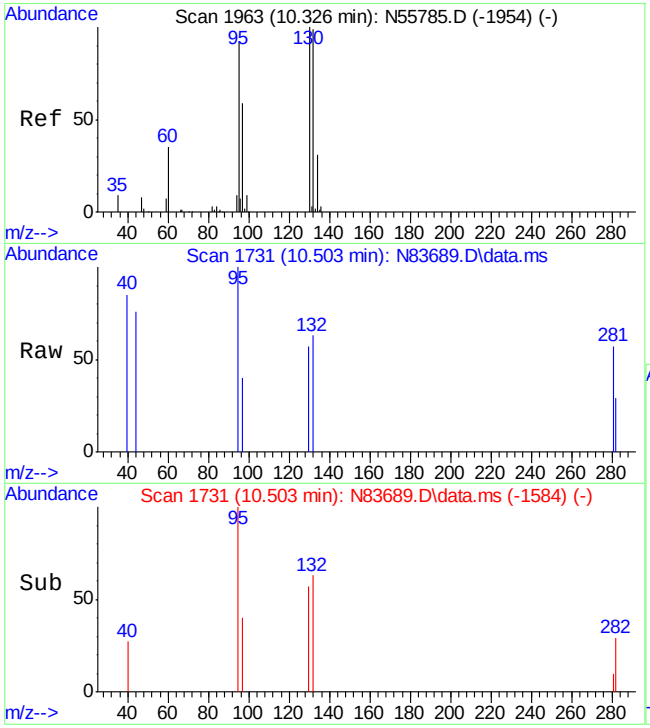


#50
heptane
Concen: 0.77 ug/L
RT: 10.358 min Scan# 1690
Delta R.T. 0.007 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion: 43 Resp: 2418

Ion	Ratio	Lower	Upper
43	100		
71	41.8	8.8	68.8
57	62.0	17.6	77.6

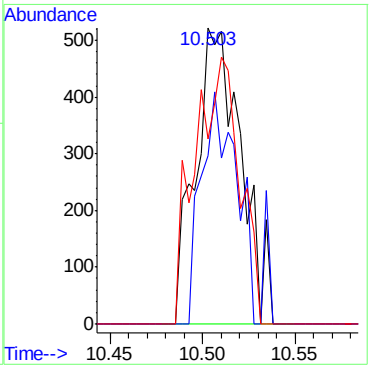


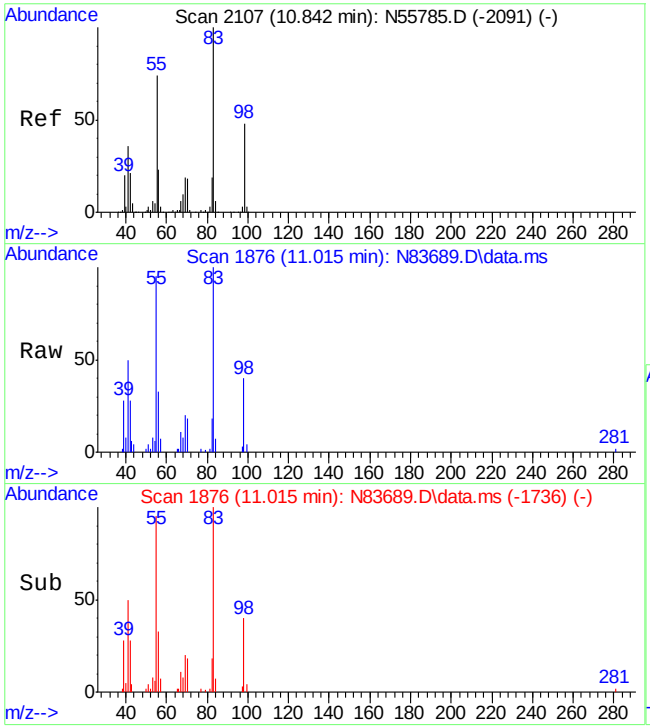


#51
trichloroethene
Concen: 0.35 ug/L
RT: 10.503 min Scan# 1731
Delta R.T. -0.000 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion: 95 Resp: 898

Ion	Ratio	Lower	Upper
95	100		
130	56.7	63.5	123.5#
132	62.6	61.6	121.6

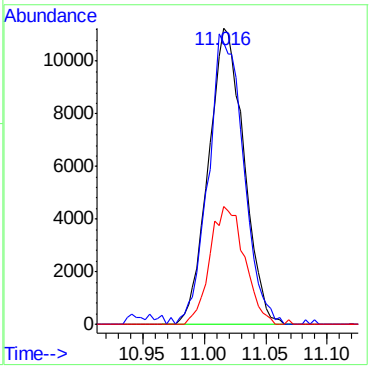


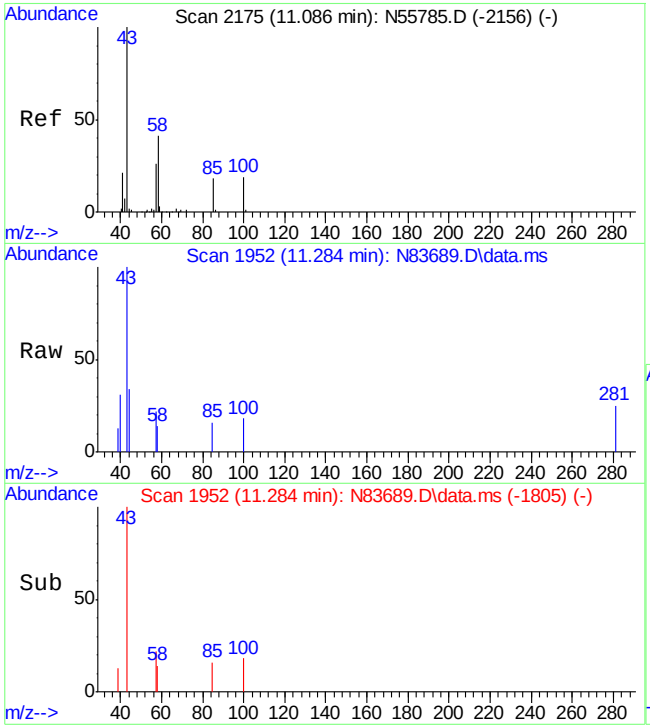


#55
Methylcyclohexane
Concen: 5.25 ug/L
RT: 11.015 min Scan# 1876
Delta R.T. -0.004 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion: 83 Resp: 22472

Ion	Ratio	Lower	Upper
83	100		
55	95.3	81.2	121.8
98	39.9	32.1	48.1

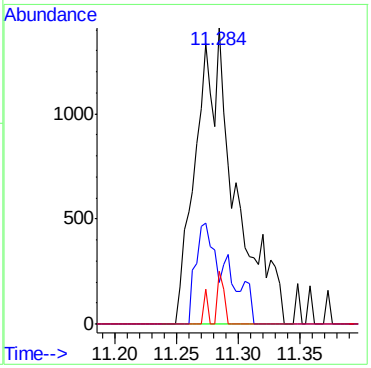


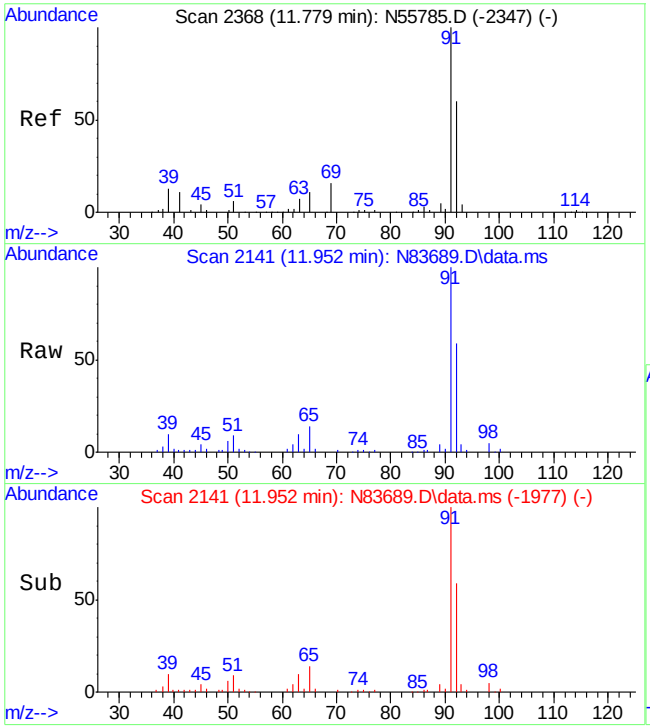


#61
4-methyl-2-pentanone
Concen: 1.35 ug/L
RT: 11.284 min Scan# 1952
Delta R.T. 0.021 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion: 43 Resp: 3120

Ion	Ratio	Lower	Upper
43	100		
58	26.7	4.5	64.5
100	0.0	0.0	38.2

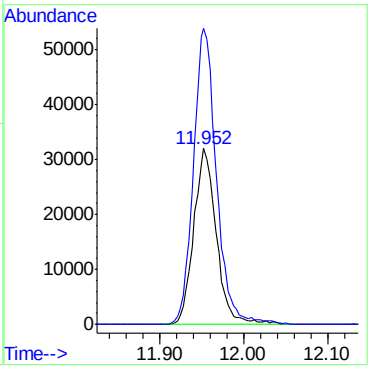


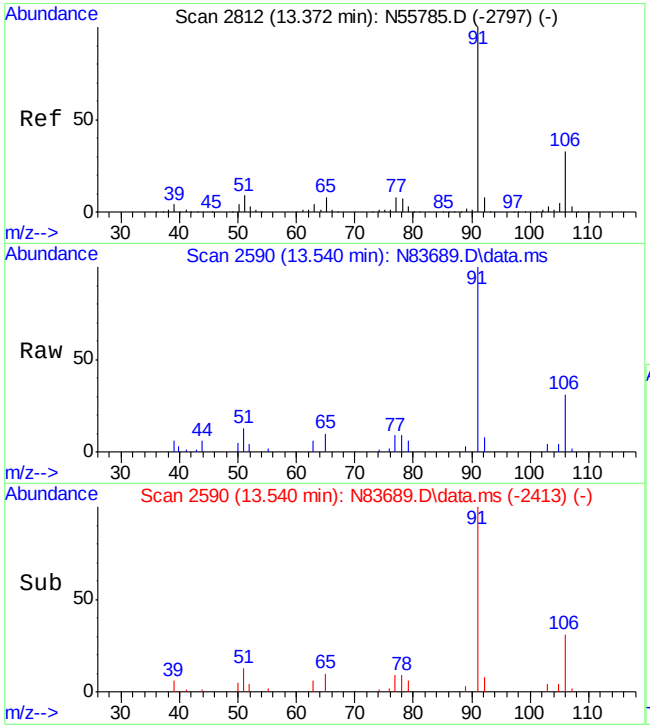


#62
toluene
Concen: 10.49 ug/L
RT: 11.952 min Scan# 2141
Delta R.T. 0.000 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion: 92 Resp: 59448

Ion	Ratio	Lower	Upper
92	100		
91	168.2	140.8	200.8

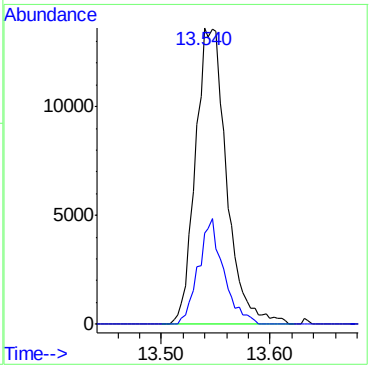


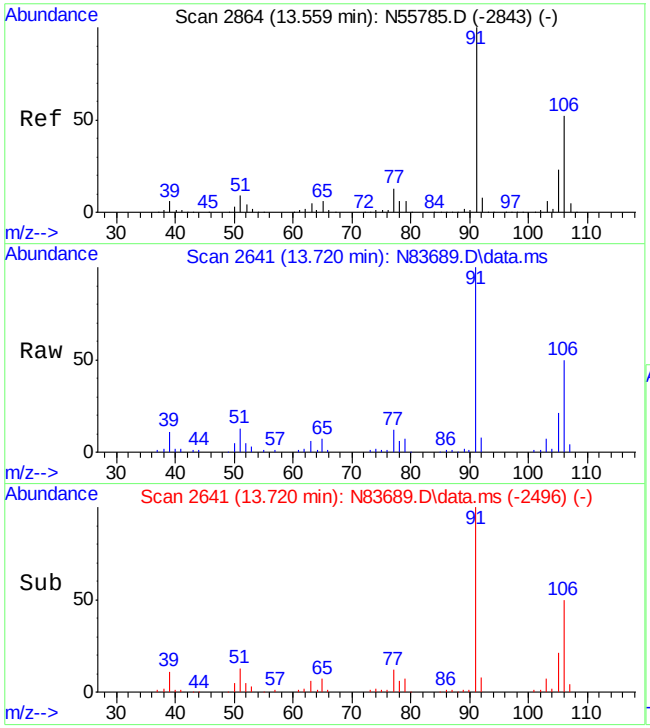


#74
ethylbenzene
Concen: 2.49 ug/L
RT: 13.540 min Scan# 2590
Delta R.T. -0.003 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion: 91 Resp: 27026

Ion	Ratio	Lower	Upper
91	100		
106	30.5	0.1	60.1

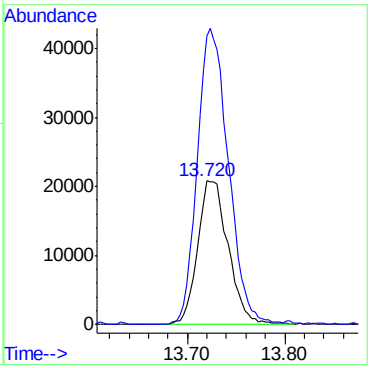


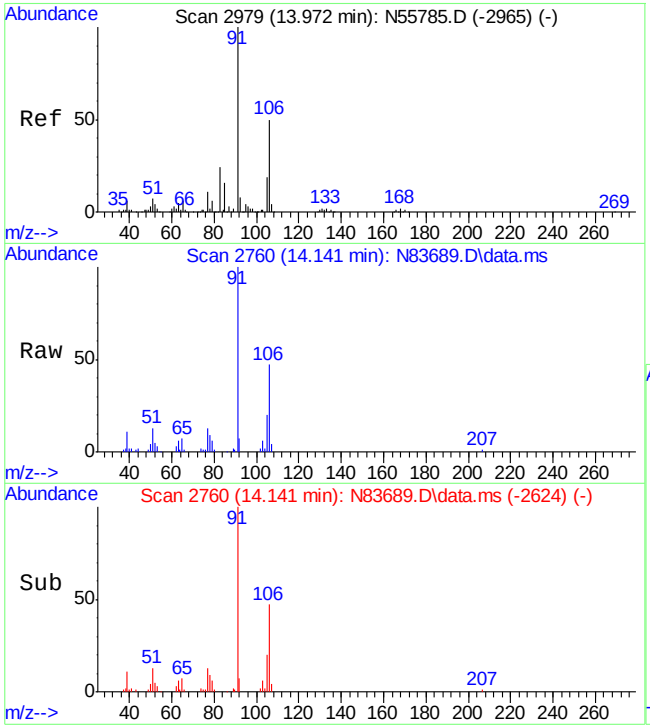


#75
m,p-xylene
Concen: 10.70 ug/L
RT: 13.720 min Scan# 2641
Delta R.T. -0.007 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion:106 Resp: 45529

Ion	Ratio	Lower	Upper
106	100		
91	201.6	180.4	240.4

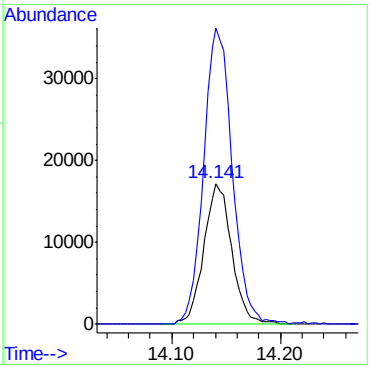


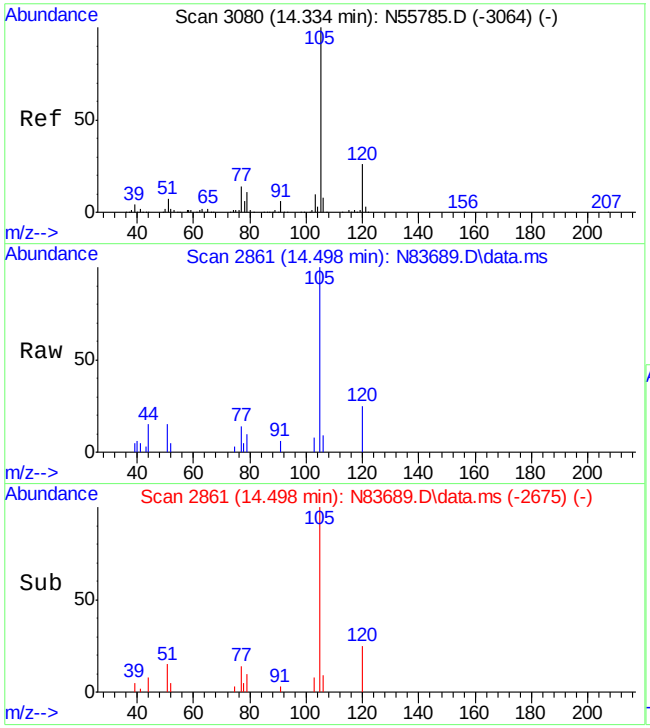


#76
o-xylene
Concen: 7.15 ug/L
RT: 14.141 min Scan# 2760
Delta R.T. -0.000 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion:106 Resp: 30480

Ion	Ratio	Lower	Upper
106	100		
91	210.6	192.6	252.6

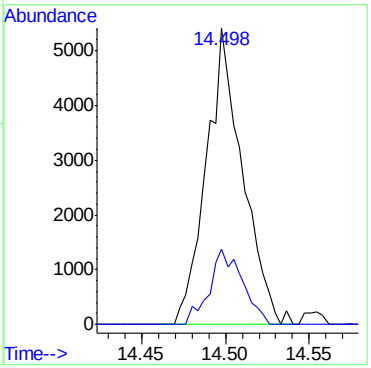


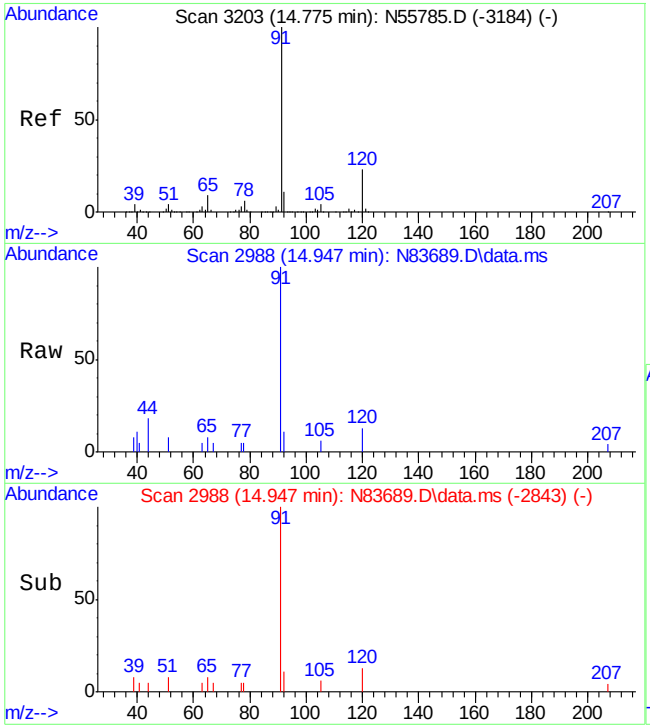


#81
isopropylbenzene
Concen: 0.82 ug/L
RT: 14.498 min Scan# 2861
Delta R.T. -0.003 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion:105 Resp: 8082

Ion	Ratio	Lower	Upper
105	100		
120	25.5	0.0	55.1

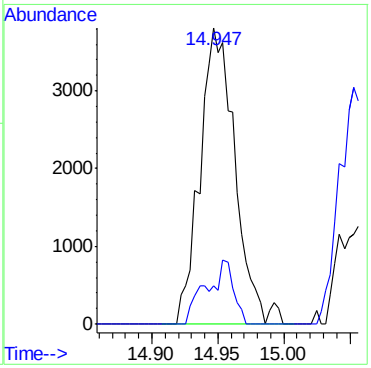


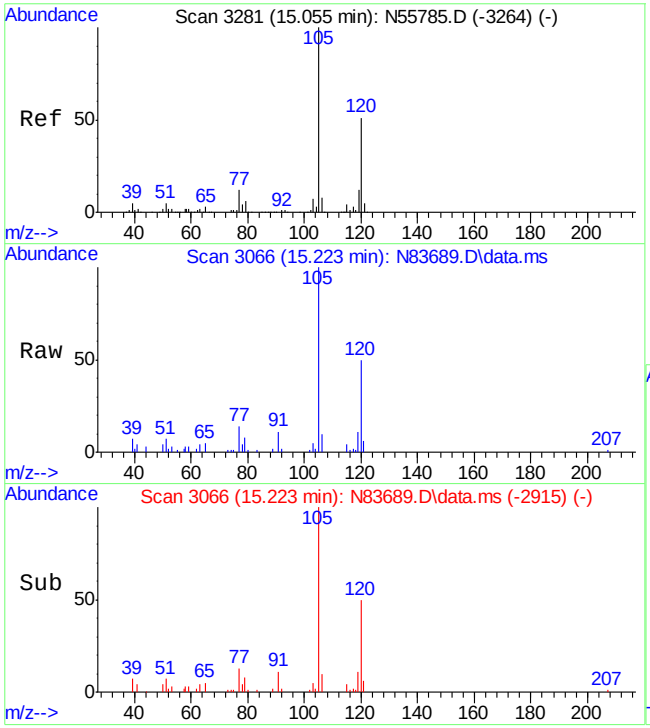


#86
n-propylbenzene
Concen: 0.59 ug/L
RT: 14.947 min Scan# 2988
Delta R.T. 0.004 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion: 91 Resp: 7052

Ion	Ratio	Lower	Upper
91	100		
120	12.7	0.0	51.1

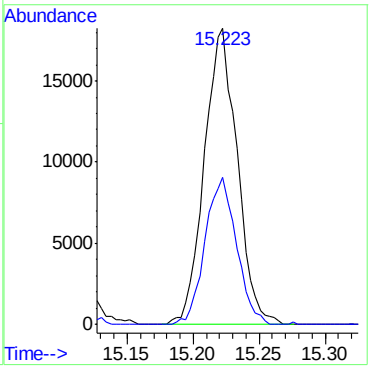


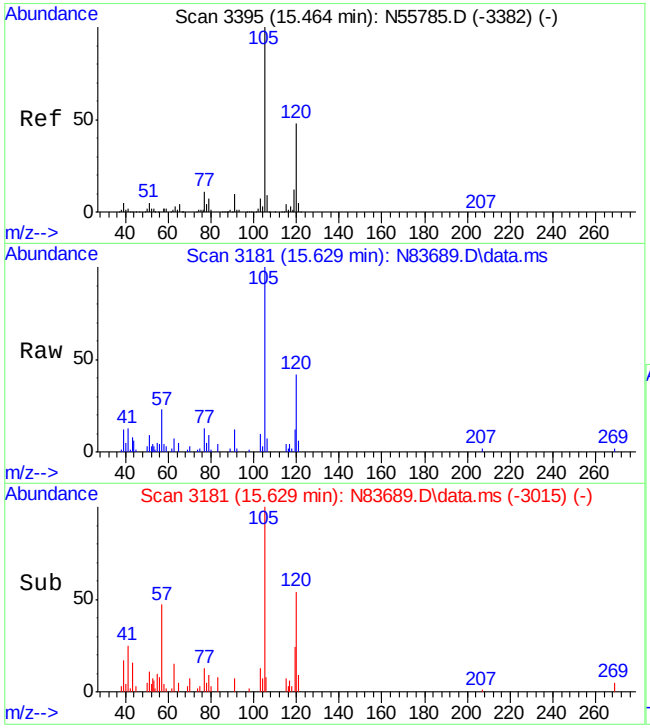


#89
1,3,5-trimethylbenzene
Concen: 3.56 ug/L
RT: 15.223 min Scan# 3066
Delta R.T. 0.004 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion:105 Resp: 31593

Ion	Ratio	Lower	Upper
105	100		
120	49.6	16.9	76.9

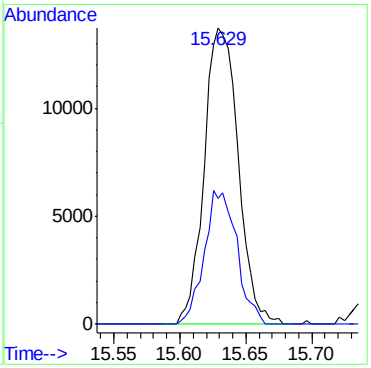


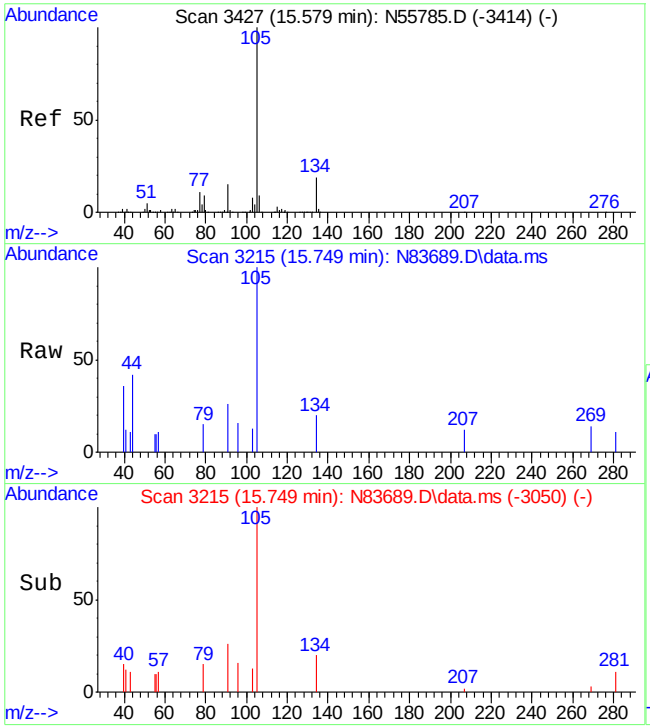


#91
1,2,4-trimethylbenzene
Concen: 2.87 ug/L
RT: 15.629 min Scan# 3181
Delta R.T. -0.004 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion:105 Resp: 24619

Ion	Ratio	Lower	Upper
105	100		
120	42.3	13.0	73.0

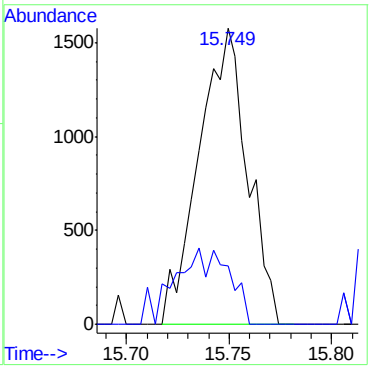


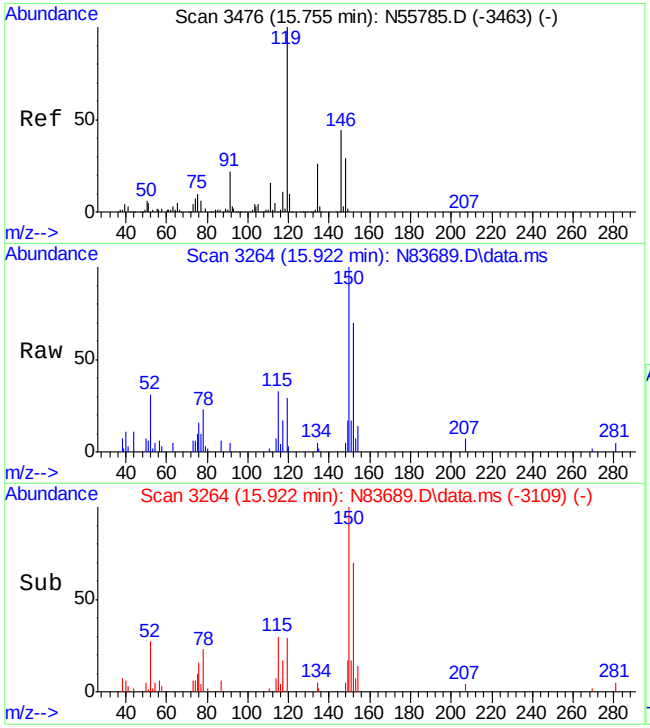


#92
sec-butylbenzene
Concen: 0.23 ug/L
RT: 15.749 min Scan# 3215
Delta R.T. 0.003 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion:105 Resp: 2604

Ion	Ratio	Lower	Upper
105	100		
134	19.8	0.0	47.6

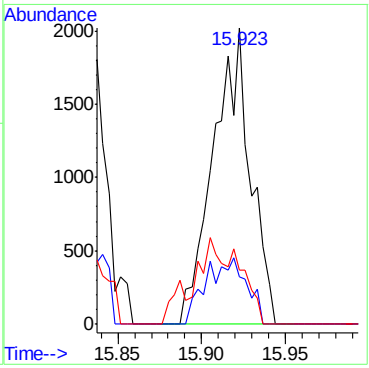




#94
p-isopropyltoluene
Concen: 0.35 ug/L
RT: 15.922 min Scan# 3264
Delta R.T. 0.008 min
Lab File: N83689.D
Acq: 27 Dec 2013 4:50 pm

Tgt Ion:119 Resp: 3098

Ion	Ratio	Lower	Upper
119	100		
134	15.9	0.0	55.7
91	18.1	0.0	56.3



LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83689.D
Acq On : 27 Dec 2013 4:50 pm
Operator : jaclynb
Sample : mc27399-1
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

Signal : TIC: N83689.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.507	5	35	347	rVB	84993	1697739	100.00%	18.102%
2	5.847	363	414	431	rVB5	1093	6271	0.37%	0.067%
3	6.020	451	463	499	rVV3	17042	37502	2.21%	0.400%
4	6.165	499	504	525	rVB2	1002	3392	0.20%	0.036%
5	6.306	533	544	557	rBV4	3982	10834	0.64%	0.116%
6	6.402	557	571	663	rVV	113609	290160	17.09%	3.094%
7	6.777	663	677	717	rVV2	63205	163025	9.60%	1.738%
8	6.932	717	721	733	rVV7	1942	4226	0.25%	0.045%
9	7.006	733	742	763	rVV4	7330	17137	1.01%	0.183%
10	7.116	763	773	803	rVB6	3674	11339	0.67%	0.121%
11	7.296	817	824	855	rVB2	2796	5378	0.32%	0.057%
12	7.470	869	873	893	rBV4	934	1225	0.07%	0.013%
13	7.604	901	911	923	rVB5	1788	3175	0.19%	0.034%
14	7.731	923	947	1003	rVB5	11352	40288	2.37%	0.430%
15	7.957	1007	1011	1017	rVB2	1533	1481	0.09%	0.016%
16	8.060	1017	1040	1107	rBV5	34141	103451	6.09%	1.103%
17	8.343	1107	1120	1165	rVB7	9498	29587	1.74%	0.315%
18	8.527	1165	1172	1187	rBV7	1923	4565	0.27%	0.049%
19	8.739	1219	1232	1253	rBV2	41285	85691	5.05%	0.914%
20	8.859	1253	1266	1307	rVV	149878	319797	18.84%	3.410%
21	9.029	1307	1314	1349	rVV4	7471	17787	1.05%	0.190%
22	9.209	1349	1365	1445	rVB2	309563	614076	36.17%	6.548%
23	9.591	1461	1473	1483	rBV5	1981	4499	0.26%	0.048%
24	9.722	1497	1510	1515	rBV4	5721	10219	0.60%	0.109%
25	9.768	1515	1523	1535	rVV5	14781	29233	1.72%	0.312%
26	9.838	1535	1543	1551	rVV5	4884	9005	0.53%	0.096%
27	9.902	1551	1561	1579	rVB7	11968	33068	1.95%	0.353%
28	9.997	1583	1588	1597	rVB5	2047	3258	0.19%	0.035%
29	10.082	1597	1612	1647	rBV	390992	783484	46.15%	8.354%
30	10.231	1647	1654	1665	rVV7	3897	8874	0.52%	0.095%
31	10.291	1665	1671	1681	rVV5	3555	5125	0.30%	0.055%
32	10.354	1681	1689	1725	rVB5	3954	8975	0.53%	0.096%
33	10.513	1725	1734	1741	rVB7	2085	3800	0.22%	0.041%
34	10.552	1741	1745	1769	rBV3	712	1334	0.08%	0.014%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83689.D
Acq On : 27 Dec 2013 4:50 pm
Operator : jaclynb
Sample : mc27399-1
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

35	10.750	1791	1801	1815	rBV3	993	1993	0.12%	0.021%
36	10.821	1815	1821	1825	rVB4	818	1039	0.06%	0.011%
37	10.948	1847	1857	1863	rBV4	1395	1889	0.11%	0.020%
38	11.016	1863	1876	1907	rVV3	57850	119549	7.04%	1.275%
39	11.171	1911	1920	1931	rVB4	1927	2798	0.16%	0.030%
40	11.274	1941	1949	1979	rVB6	2978	8302	0.49%	0.089%
41	11.464	1989	2003	2019	rVB4	1024	2480	0.15%	0.026%
42	11.563	2025	2031	2041	rBV6	1515	2566	0.15%	0.027%
43	11.648	2051	2055	2071	rVB3	2601	4693	0.28%	0.050%
44	11.761	2071	2087	2103	rBV7	3144	9655	0.57%	0.103%
45	11.878	2103	2120	2133	rVV	550111	1024694	60.36%	10.926%
46	11.952	2133	2141	2165	rVV	141765	274264	16.15%	2.924%
47	12.073	2165	2175	2193	rVV6	8831	23468	1.38%	0.250%
48	12.147	2193	2196	2205	rVV4	1418	1963	0.12%	0.021%
49	12.242	2205	2223	2249	rVB4	4633	17185	1.01%	0.183%
50	12.348	2249	2253	2263	rBV3	901	1852	0.11%	0.020%
51	12.451	2273	2282	2297	rVB4	4144	5926	0.35%	0.063%
52	12.539	2297	2307	2321	rVB5	3749	6957	0.41%	0.074%
53	12.790	2357	2378	2383	rVB2	708	2032	0.12%	0.022%
54	12.850	2389	2395	2409	rBV2	769	1399	0.08%	0.015%
55	13.031	2421	2446	2469	rVB7	4961	14812	0.87%	0.158%
56	13.190	2475	2491	2503	rVB8	1489	4660	0.27%	0.050%
57	13.282	2507	2517	2521	rVV6	2950	4820	0.28%	0.051%
58	13.338	2521	2533	2563	rVB2	467280	885534	52.16%	9.442%
59	13.483	2569	2574	2583	rBV5	2766	4571	0.27%	0.049%
60	13.547	2583	2592	2605	rVV2	33617	59926	3.53%	0.639%
61	13.625	2605	2614	2625	rVB6	2387	4816	0.28%	0.051%
62	13.724	2625	2642	2679	rBV	127233	287165	16.91%	3.062%
63	13.907	2685	2694	2721	rVB7	2183	5894	0.35%	0.063%
64	14.056	2721	2736	2739	rBV2	597	936	0.06%	0.010%
65	14.141	2739	2760	2779	rBV2	103499	188317	11.09%	2.008%
66	14.268	2787	2796	2799	rBV3	1100	1662	0.10%	0.018%
67	14.310	2799	2808	2819	rBV6	1894	3937	0.23%	0.042%
68	14.498	2851	2861	2869	rBV3	11299	18886	1.11%	0.201%
69	14.561	2869	2879	2919	rVB	365300	674325	39.72%	7.190%
70	14.777	2933	2940	2979	rVB6	2976	8722	0.51%	0.093%
71	14.954	2979	2990	3007	rVB3	7508	12576	0.74%	0.134%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83689.D
Acq On : 27 Dec 2013 4:50 pm
Operator : jaclynb
Sample : mc27399-1
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

72	15.053	3007	3018	3027	rBV2	23214	40279	2.37%	0.429%
73	15.102	3027	3032	3053	rVV2	14593	25713	1.51%	0.274%
74	15.219	3053	3065	3093	rVB	54577	93228	5.49%	0.994%
75	15.385	3101	3112	3125	rBV3	16029	26772	1.58%	0.285%
76	15.541	3147	3156	3165	rBV5	971	2096	0.12%	0.022%
77	15.629	3165	3181	3203	rVV5	49955	104009	6.13%	1.109%
78	15.742	3203	3213	3229	rVV9	4128	8608	0.51%	0.092%
79	15.824	3229	3236	3243	rVV4	6838	10752	0.63%	0.115%
80	15.894	3243	3256	3297	rVB	464809	825913	48.65%	8.806%
81	16.082	3297	3309	3317	rBV2	14663	24029	1.42%	0.256%
82	16.128	3317	3322	3333	rVB6	5048	5944	0.35%	0.063%
83	16.198	3333	3342	3347	rBV4	2780	2886	0.17%	0.031%
84	16.251	3349	3357	3371	rVB3	6058	8395	0.49%	0.090%
85	16.333	3371	3380	3401	rVB3	14234	25747	1.52%	0.275%
86	16.435	3401	3409	3429	rBV5	2049	5209	0.31%	0.056%
87	16.531	3429	3436	3459	rBV6	3082	6625	0.39%	0.071%
88	16.640	3461	3467	3479	rBV7	2221	3888	0.23%	0.041%
89	16.753	3491	3499	3529	rBV7	5945	14187	0.84%	0.151%
90	16.888	3529	3537	3637	rVV7	4702	30867	1.82%	0.329%
91	17.301	3651	3654	3819	rBV7	5462	48252	2.84%	0.514%

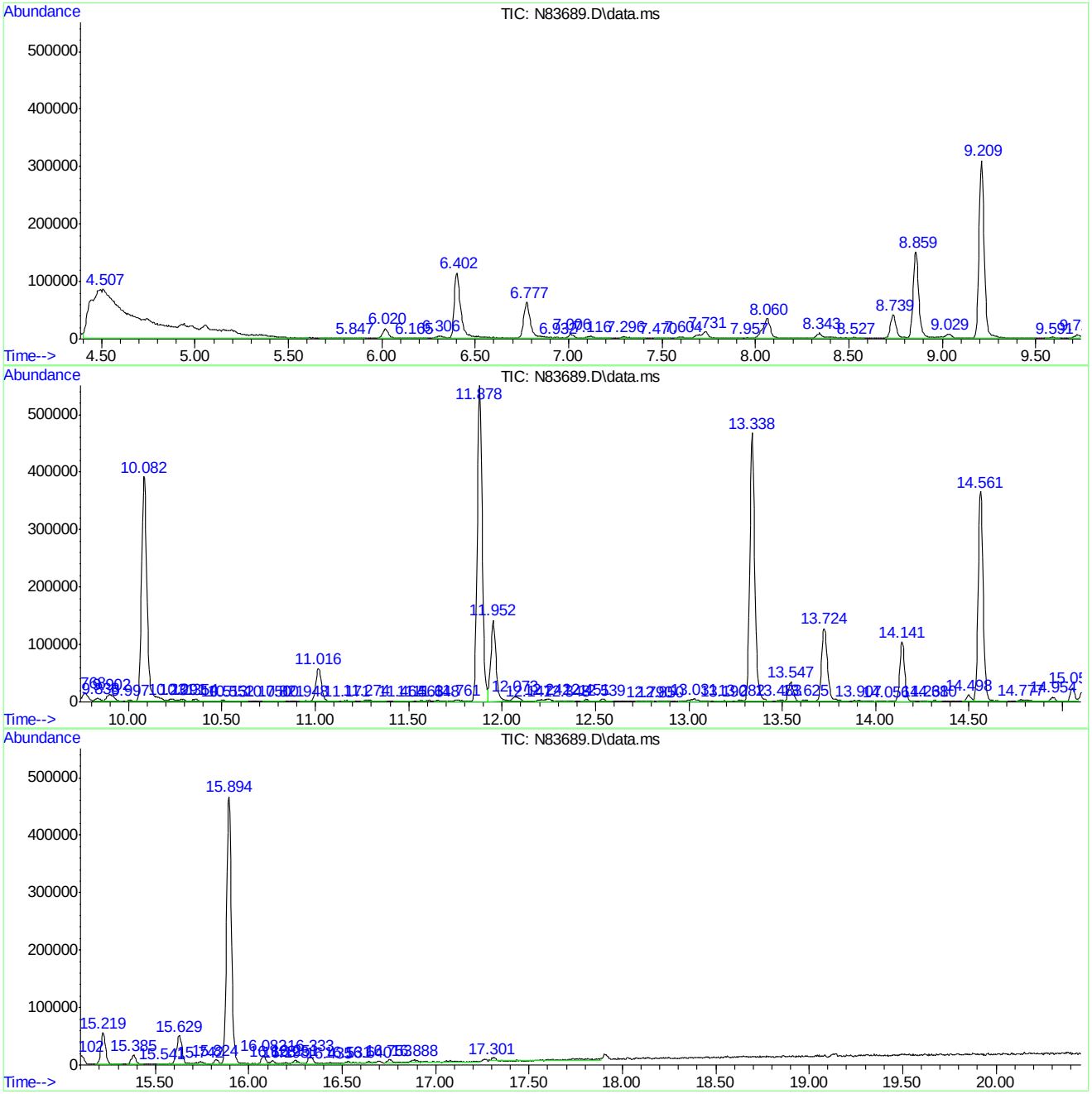
Sum of corrected areas: 9378662

LSC Report - Integrated Chromatogram

```
Data Path : C:\msdchem\1\data\N131227\
Data File : N83689.D
Acq On    : 27 Dec 2013   4:50 pm
Operator  : jaclynb
Sample    : mc27399-1
Misc      : ms30889,MSN3123,,,,5,1
ALS Vial  : 33   Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title  : SW-846 Method 8260

TIC Library   : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p
```



Library Search Compound Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83689.D
Acq On : 27 Dec 2013 4:50 pm
Operator : jaclynb
Sample : mc27399-1
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

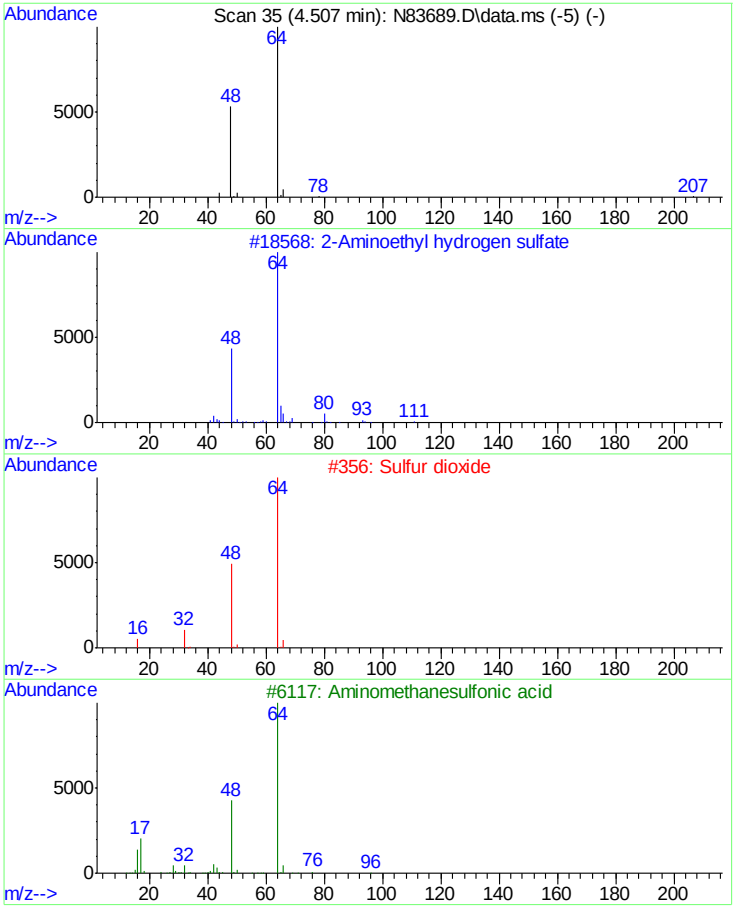
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

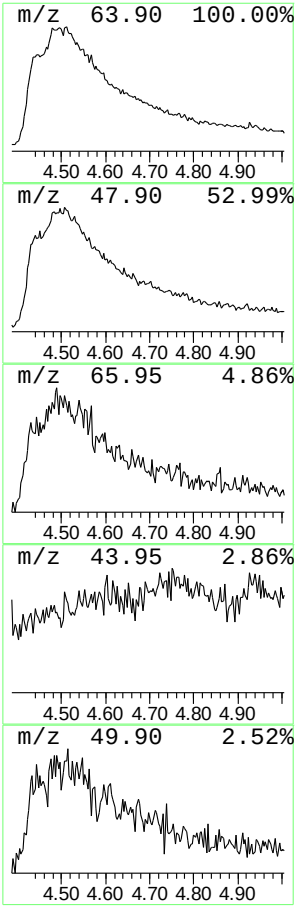
****

Peak Number 1 2-Aminoethyl hydrogen sulfate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.507	138.24 ug/L	1697740	pentafluorobenzene	9.209

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Aminoethyl hydrogen sulfate	141	C2H7NO4S	000926-39-6	83
2	Sulfur dioxide	64	O2S	007446-09-5	83
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
5	S-2-[4-Glutarimidobutylamino]eth...	324	C11H20N2O5S2	031701-78-7	9





Library Search Compound Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83689.D
Acq On : 27 Dec 2013 4:50 pm
Operator : jaclynb
Sample : mc27399-1
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

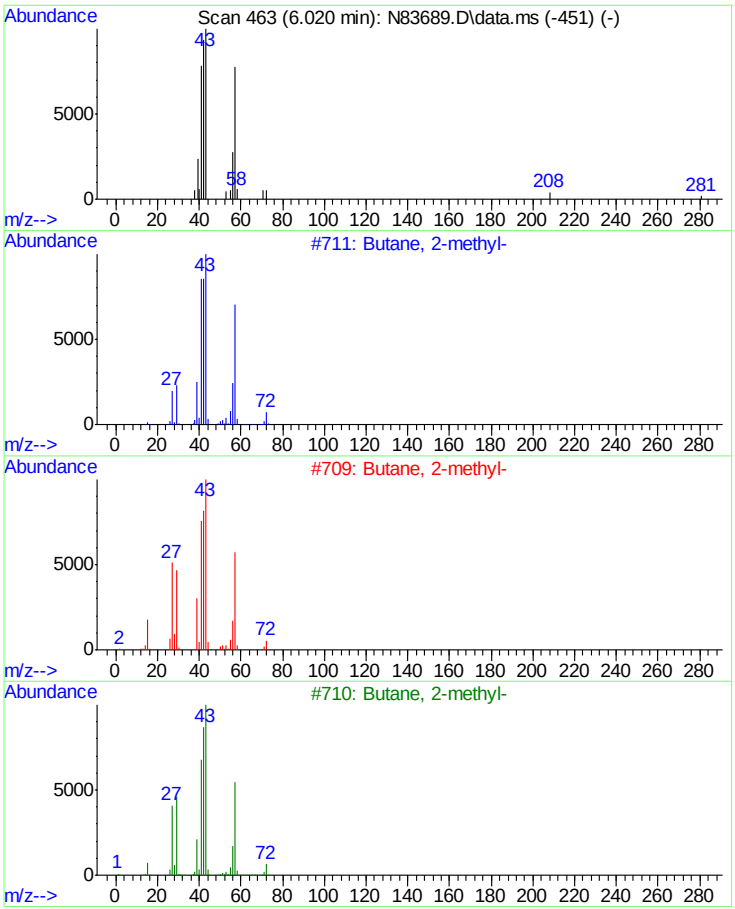
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

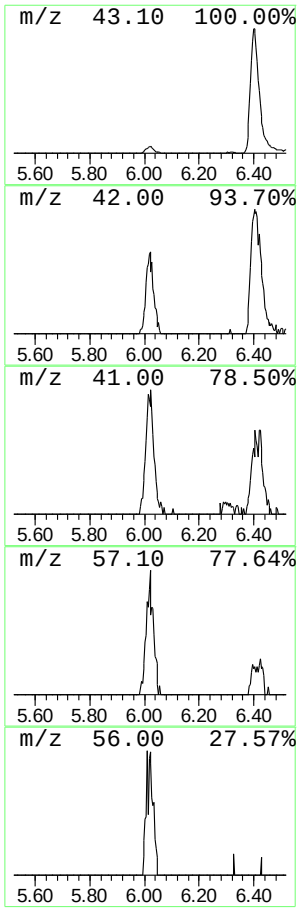
****

Peak Number 2 Butane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.020	3.05 ug/L	37502	pentafluorobenzene	9.209

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2	Butane, 2-methyl-	72	C5H12	000078-78-4	72
3	Butane, 2-methyl-	72	C5H12	000078-78-4	64
4	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	12
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	10





Library Search Compound Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83689.D
Acq On : 27 Dec 2013 4:50 pm
Operator : jaclynb
Sample : mc27399-1
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

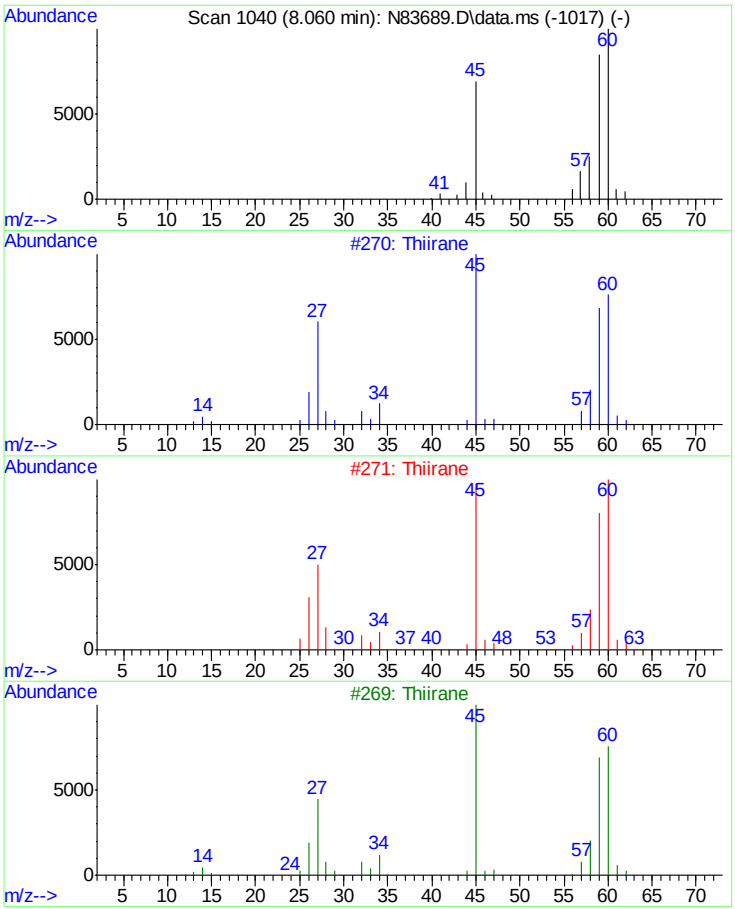
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

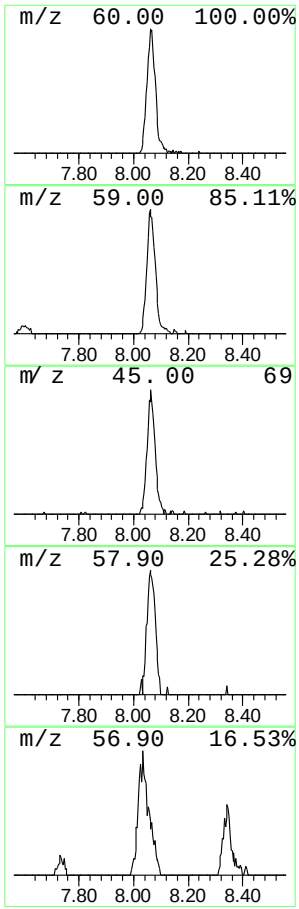
****

Peak Number 4 Thiirane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.060	8.42 ug/L	103451	pentafluorobenzene	9.209

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiirane	60	C2H4S	000420-12-2	78
2	Thiirane	60	C2H4S	000420-12-2	78
3	Thiirane	60	C2H4S	000420-12-2	72
4	Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	50
5	Hydrazine, ethyl-	60	C2H8N2	000624-80-6	9





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\N131227\
Data File : N83689.D
Acq On : 27 Dec 2013 4:50 pm
Operator : jaclynb
Sample : mc27399-1
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Aminoethyl hy...	4.507	138.2	ug/L	1697740	2	9.209	614076	50.0
Butane, 2-methyl-	6.020	3.0	ug/L	37502	2	9.209	614076	50.0
Thiirane	8.060	8.4	ug/L	103451	2	9.209	614076	50.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83690.D
Acq On : 27 Dec 2013 5:18 pm
Operator : jaclynb
Sample : mc27399-2
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Dec 30 08:08:04 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

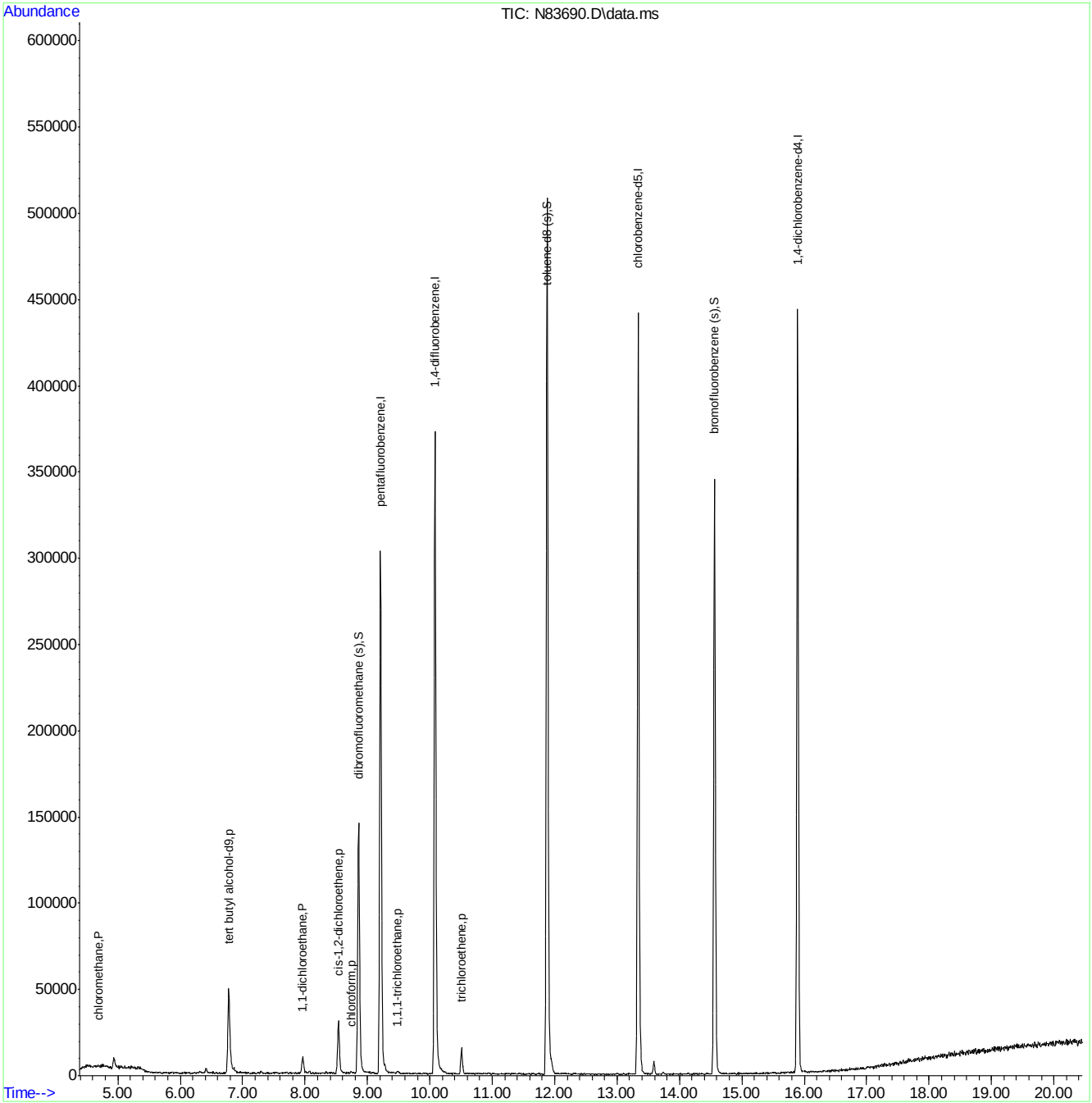
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.777	65	73022	500.00	ug/L	0.01
4) pentafluorobenzene	9.209	168	214680	50.00	ug/L	0.00
43) 1,4-difluorobenzene	10.082	114	310883	50.00	ug/L	0.00
66) chlorobenzene-d5	13.338	82	160241	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.894	152	125591	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.859	113	94355	44.97	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.94%			
60) toluene-d8 (s)	11.878	98	374569	49.89	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.78%			
82) bromofluorobenzene (s)	14.561	95	133555	50.32	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.64%			
Target Compounds						Qvalue
6) chloromethane	4.684	50	804	0.27	ug/L	74
16) acetone	6.423	58	1020	Below Cal	#	30
32) 1,1-dichloroethane	7.965	63	11208	2.28	ug/L	95
36) cis-1,2-dichloroethene	8.534	96	13895	5.28	ug/L	84
39) chloroform	8.739	83	705	0.16	ug/L	93
42) 1,1,1-trichloroethane	9.481	97	990	0.30	ug/L	83
51) trichloroethene	10.506	95	5699	2.34	ug/L	92

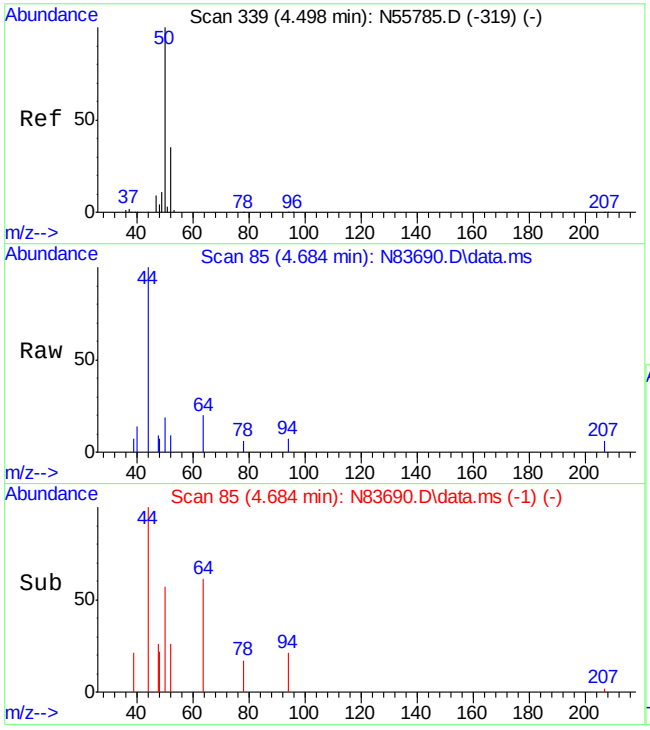
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83690.D
Acq On : 27 Dec 2013 5:18 pm
Operator : jaclynb
Sample : mc27399-2
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Dec 30 08:08:04 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

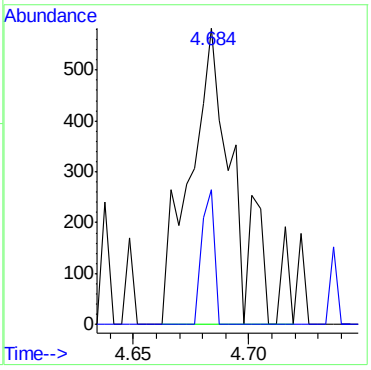


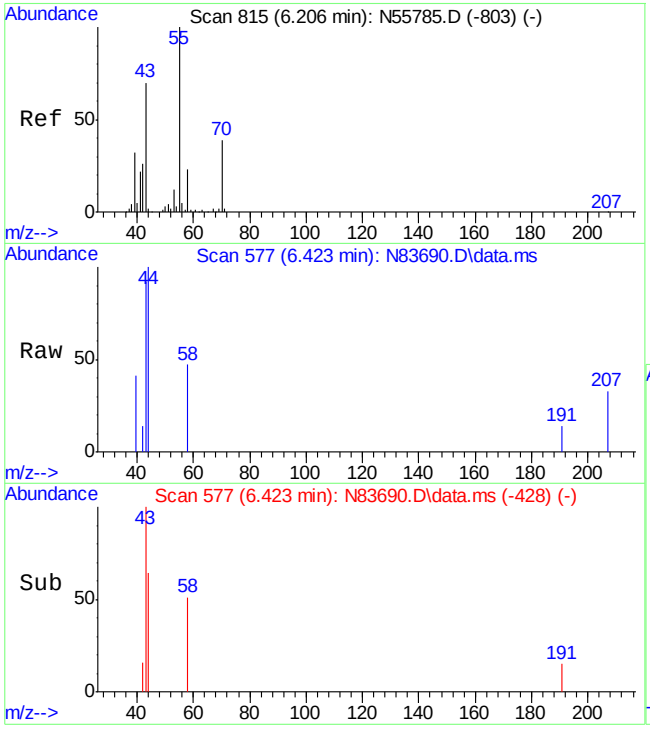


#6
chloromethane
Concen: 0.27 ug/L
RT: 4.684 min Scan# 85
Delta R.T. 0.004 min
Lab File: N83690.D
Acq: 27 Dec 2013 5:18 pm

Tgt Ion: 50 Resp: 804

Ion	Ratio	Lower	Upper
50	100		
52	45.5	1.3	61.3

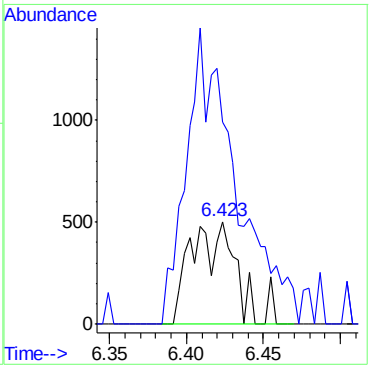


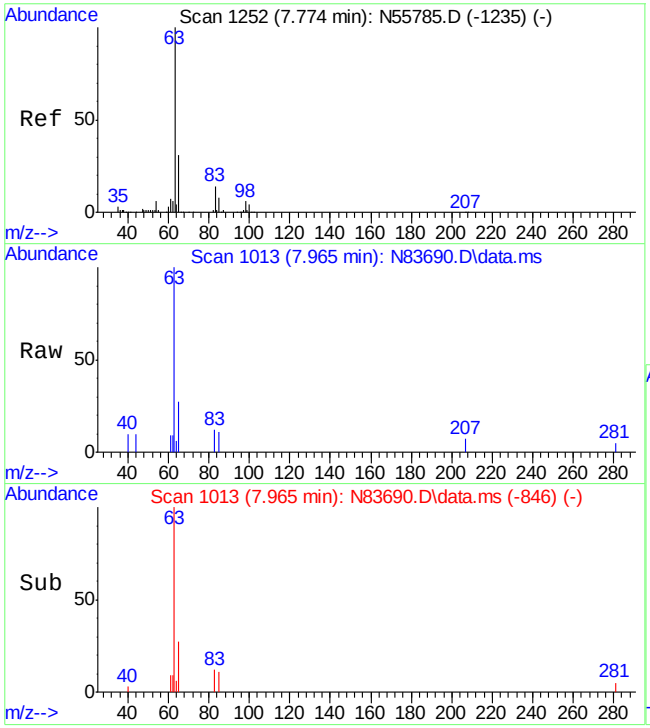


#16
acetone
Concen: Below Cal
RT: 6.423 min Scan# 577
Delta R.T. 0.025 min
Lab File: N83690.D
Acq: 27 Dec 2013 5:18 pm

Tgt Ion: 58 Resp: 1020

Ion	Ratio	Lower	Upper
58	100		
43	197.0	319.3	379.3#

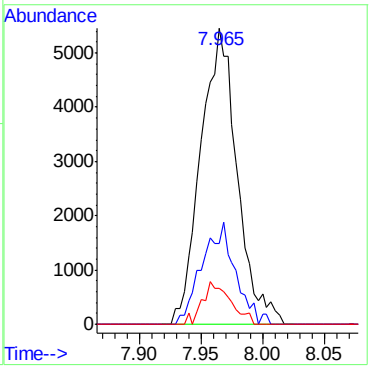


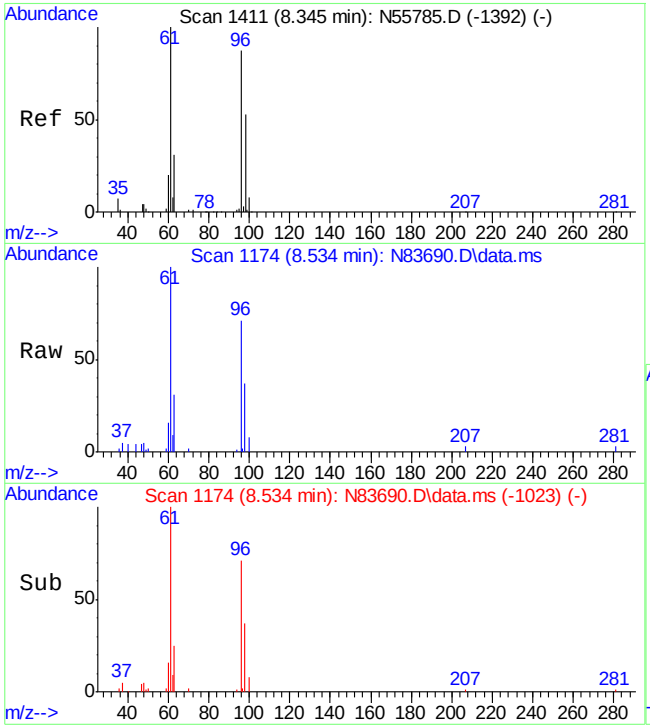


#32
1,1-dichloroethane
Concen: 2.28 ug/L
RT: 7.965 min Scan# 1013
Delta R.T. -0.000 min
Lab File: N83690.D
Acq: 27 Dec 2013 5:18 pm

Tgt Ion: 63 Resp: 11208

Ion	Ratio	Lower	Upper
63	100		
65	27.2	1.2	61.2
83	12.2	0.0	42.1

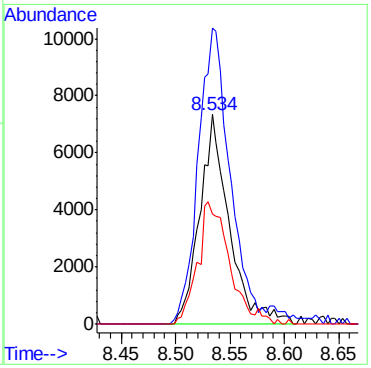


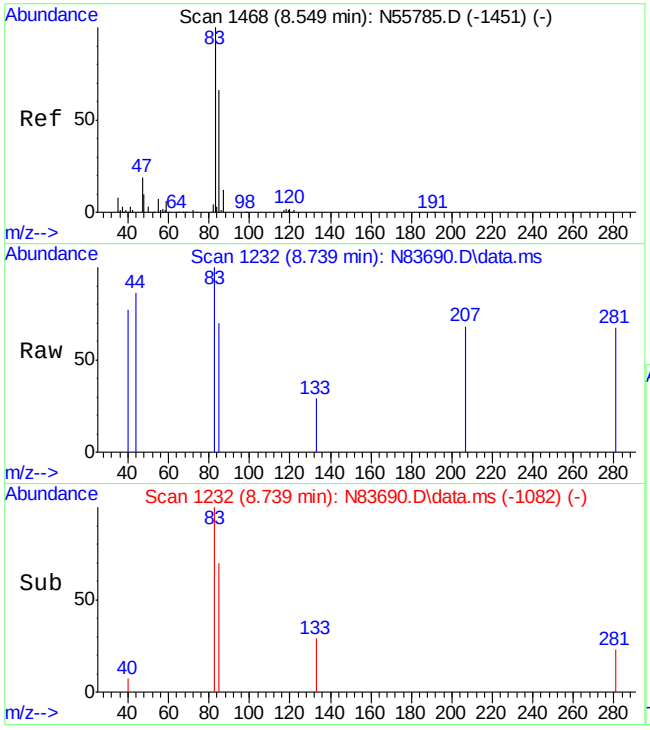


#36
cis-1,2-dichloroethene
Concen: 5.28 ug/L
RT: 8.534 min Scan# 1174
Delta R.T. 0.004 min
Lab File: N83690.D
Acq: 27 Dec 2013 5:18 pm

Tgt Ion: 96 Resp: 13895

Ion	Ratio	Lower	Upper
96	100		
61	141.3	131.2	191.2
98	52.7	36.1	96.1

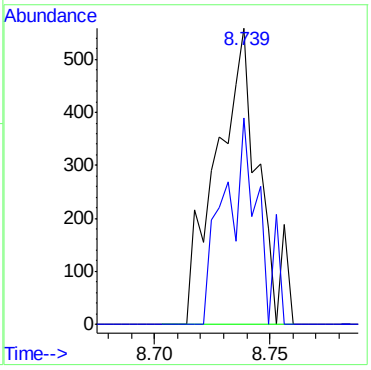


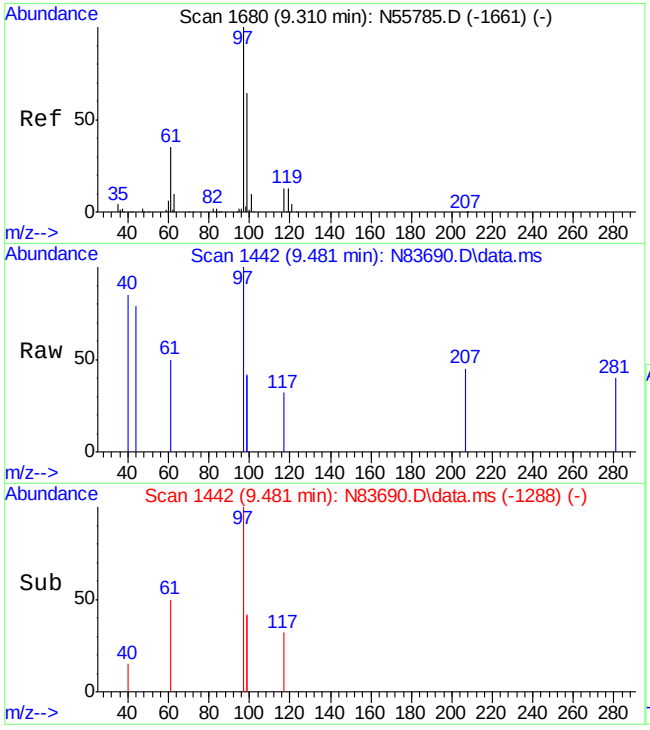


#39
chloroform
Concen: 0.16 ug/L
RT: 8.739 min Scan# 1232
Delta R.T. -0.000 min
Lab File: N83690.D
Acq: 27 Dec 2013 5:18 pm

Tgt Ion: 83 Resp: 705

Ion	Ratio	Lower	Upper
83	100		
85	69.8	34.2	94.2

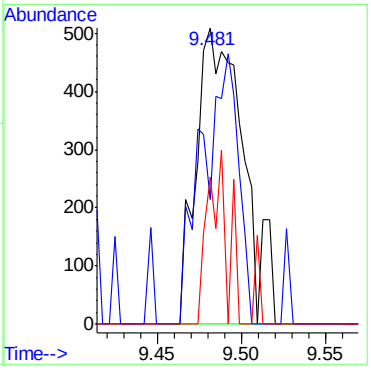


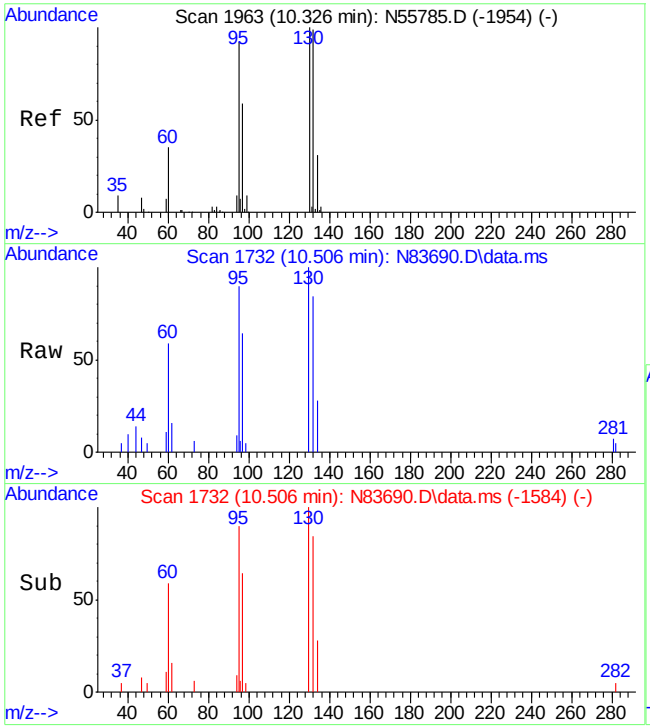


#42
1,1,1-trichloroethane
Concen: 0.30 ug/L
RT: 9.481 min Scan# 1442
Delta R.T. -0.007 min
Lab File: N83690.D
Acq: 27 Dec 2013 5:18 pm

Tgt Ion: 97 Resp: 990

Ion	Ratio	Lower	Upper
97	100		
99	42.0	35.6	95.6
61	49.5	18.8	78.8

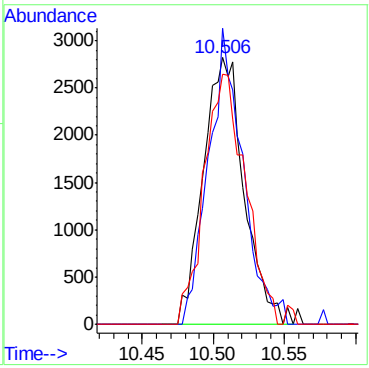




#51
trichloroethene
Concen: 2.34 ug/L
RT: 10.506 min Scan# 1732
Delta R.T. 0.003 min
Lab File: N83690.D
Acq: 27 Dec 2013 5:18 pm

Tgt Ion: 95 Resp: 5699

Ion	Ratio	Lower	Upper
95	100		
130	104.0	63.5	123.5
132	87.7	61.6	121.6



LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83690.D
Acq On : 27 Dec 2013 5:18 pm
Operator : jaclynb
Sample : mc27399-2
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

Signal : TIC: N83690.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.938	149	157	375	rVB8	9301	131774	13.27%	2.444%
2	6.070	471	477	513	rVB3	1011	3662	0.37%	0.068%
3	6.268	529	533	537	rBV2	710	737	0.07%	0.014%
4	6.314	537	546	569	rVV4	1215	5246	0.53%	0.097%
5	6.409	569	573	601	rVV4	2906	6777	0.68%	0.126%
6	6.522	601	605	613	rVB2	1322	1097	0.11%	0.020%
7	6.717	651	660	661	rVB3	801	975	0.10%	0.018%
8	6.777	661	677	719	rBV2	49404	132910	13.38%	2.465%
9	7.890	985	992	995	rBV4	883	984	0.10%	0.018%
10	7.965	999	1013	1035	rVV3	9981	22714	2.29%	0.421%
11	8.067	1035	1042	1059	rVB5	1192	2696	0.27%	0.050%
12	8.297	1091	1107	1113	rVB4	724	1982	0.20%	0.037%
13	8.336	1113	1118	1133	rBV4	1578	2594	0.26%	0.048%
14	8.534	1155	1174	1213	rBV3	31027	66950	6.74%	1.242%
15	8.686	1213	1217	1225	rVV5	932	734	0.07%	0.014%
16	8.739	1225	1232	1249	rVV5	1465	2846	0.29%	0.053%
17	8.859	1249	1266	1313	rBV2	145338	308444	31.05%	5.721%
18	9.209	1351	1365	1433	rBV	303174	601920	60.60%	11.165%
19	9.492	1437	1445	1469	rVB5	1678	5170	0.52%	0.096%
20	9.640	1471	1487	1507	rVB4	485	1458	0.15%	0.027%
21	9.817	1533	1537	1555	rBV3	821	1367	0.14%	0.025%
22	10.082	1599	1612	1679	rVB	372673	733917	73.89%	13.614%
23	10.506	1723	1732	1755	rVB5	15769	31051	3.13%	0.576%
24	10.662	1755	1776	1779	rVB4	749	2024	0.20%	0.038%
25	10.704	1779	1788	1793	rVB4	858	1344	0.14%	0.025%
26	10.740	1793	1798	1805	rBV2	724	918	0.09%	0.017%
27	10.871	1825	1835	1839	rBV3	823	1099	0.11%	0.020%
28	11.001	1869	1872	1885	rVB2	735	993	0.10%	0.018%
29	11.072	1885	1892	1907	rBV3	485	976	0.10%	0.018%
30	11.235	1929	1938	1955	rBV3	944	2613	0.26%	0.048%
31	11.761	2081	2087	2099	rVB3	1159	1800	0.18%	0.033%
32	11.878	2099	2120	2171	rBV	508373	993258	100.00%	18.424%
33	12.288	2217	2236	2237	rVB2	639	1647	0.17%	0.031%
34	12.331	2237	2248	2265	rBV3	761	2636	0.27%	0.049%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83690.D
Acq On : 27 Dec 2013 5:18 pm
Operator : jaclynb
Sample : mc27399-2
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

35	12.606	2317	2326	2337	rBV2	428	705	0.07%	0.013%
36	12.762	2363	2370	2387	rVB3	466	857	0.09%	0.016%
37	13.098	2463	2465	2475	rVB2	858	1107	0.11%	0.021%
38	13.197	2475	2493	2503	rBV2	859	2358	0.24%	0.044%
39	13.338	2519	2533	2565	rBV	441623	844579	85.03%	15.666%
40	13.501	2575	2579	2587	rVB2	724	731	0.07%	0.014%
41	13.586	2587	2603	2637	rVB4	7752	15414	1.55%	0.286%
42	13.738	2637	2646	2657	rBV2	1242	2563	0.26%	0.048%
43	13.861	2675	2681	2691	rBV3	437	708	0.07%	0.013%
44	13.946	2699	2705	2715	rVB2	672	1197	0.12%	0.022%
45	14.013	2715	2724	2725	rBV	711	775	0.08%	0.014%
46	14.063	2735	2738	2753	rVB2	450	768	0.08%	0.014%
47	14.279	2789	2799	2807	rVB2	736	1117	0.11%	0.021%
48	14.318	2807	2810	2819	rBV3	678	901	0.09%	0.017%
49	14.441	2835	2845	2863	rVB3	545	1275	0.13%	0.024%
50	14.561	2863	2879	2921	rBV	345209	641743	64.61%	11.904%
51	14.742	2921	2930	2941	rVB4	784	1463	0.15%	0.027%
52	14.957	2987	2991	2999	rBV3	745	1200	0.12%	0.022%
53	14.993	2999	3001	3009	rBV2	712	881	0.09%	0.016%
54	15.116	3027	3036	3041	rBV4	675	898	0.09%	0.017%
55	15.180	3041	3054	3061	rVV4	802	1392	0.14%	0.026%
56	15.230	3061	3068	3073	rVB3	1258	1186	0.12%	0.022%
57	15.300	3073	3088	3089	rBV2	671	1327	0.13%	0.025%
58	15.382	3109	3111	3119	rBV2	1155	1259	0.13%	0.023%
59	15.537	3125	3155	3173	rBV6	1292	7658	0.77%	0.142%
60	15.626	3173	3180	3197	rBV4	1057	2792	0.28%	0.052%
61	15.693	3197	3199	3205	rBV3	956	914	0.09%	0.017%
62	15.894	3243	3256	3371	rBV	442633	775921	78.12%	14.393%

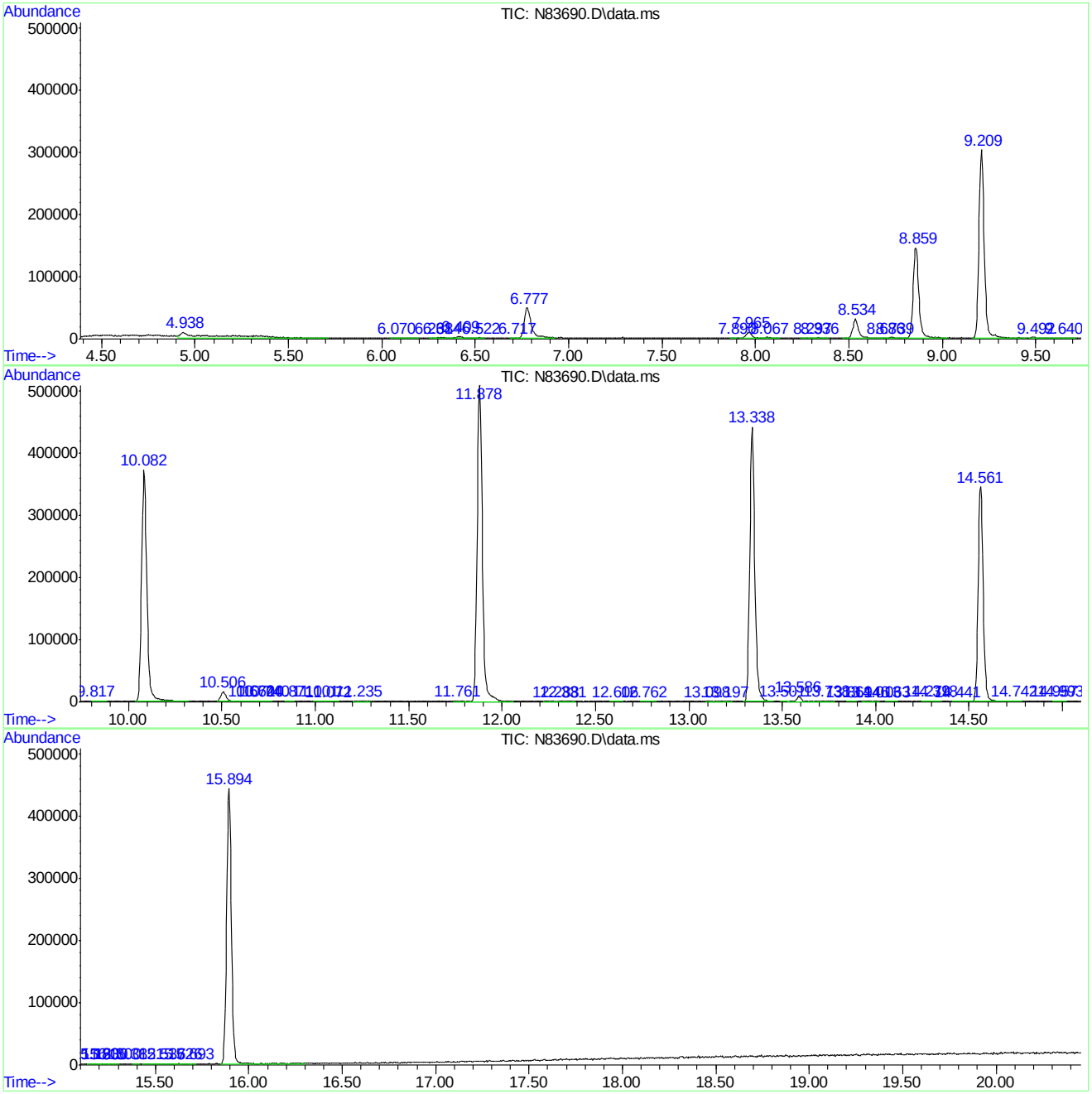
Sum of corrected areas: 5391002

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\N131227\
Data File : N83690.D
Acq On : 27 Dec 2013 5:18 pm
Operator : jaclynb
Sample : mc27399-2
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83690.D
Acq On : 27 Dec 2013 5:18 pm
Operator : jaclynb
Sample : mc27399-2
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\N131227\
Data File : N83690.D
Acq On : 27 Dec 2013 5:18 pm
Operator : jaclynb
Sample : mc27399-2
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 34 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83691.D
Acq On : 27 Dec 2013 5:46 pm
Operator : jaclynb
Sample : mc27399-3
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Dec 30 08:13:47 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

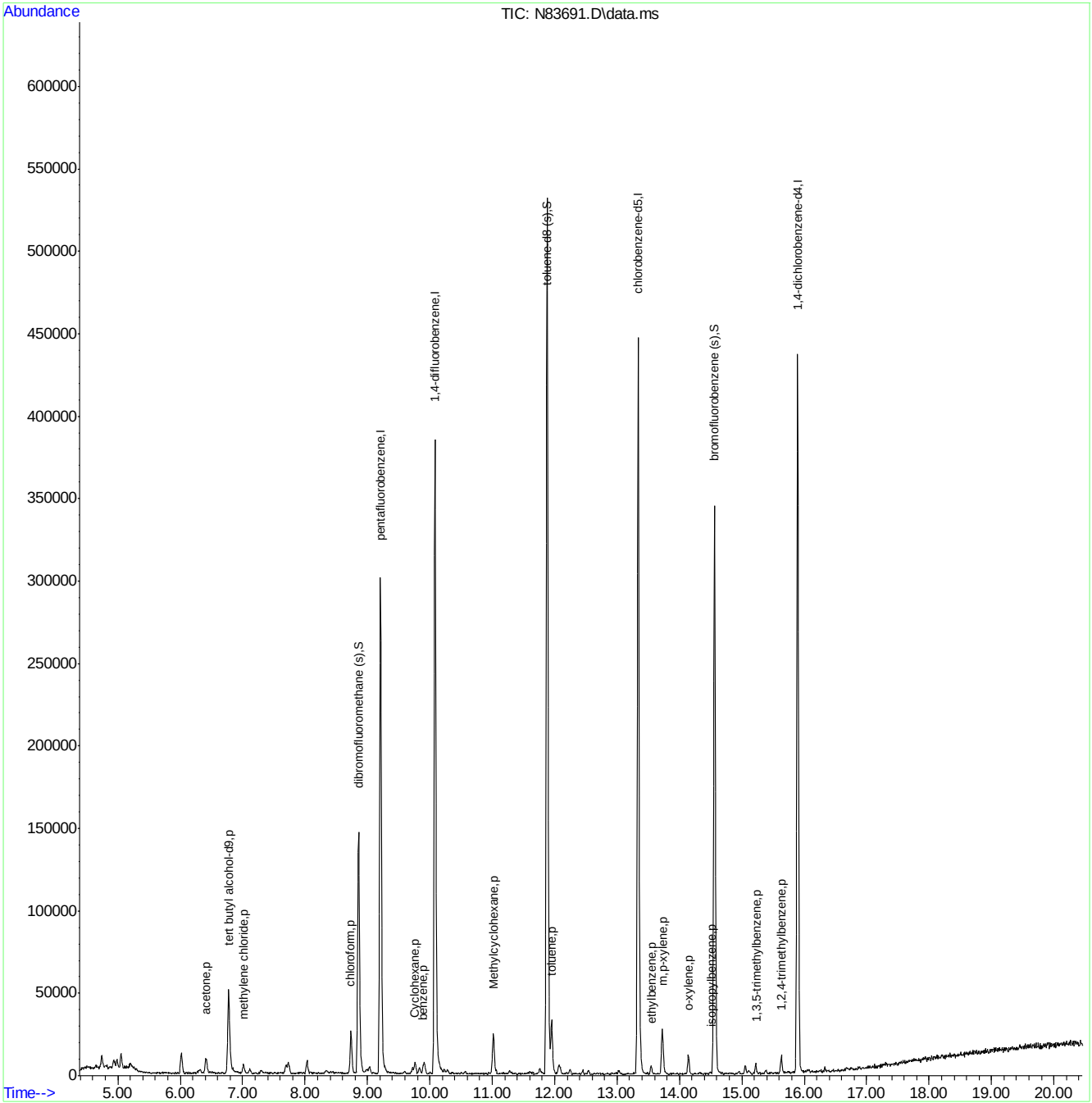
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.777	65	74858	500.00	ug/L		0.01
4) pentafluorobenzene	9.212	168	211759	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.086	114	318710	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	162363	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	124138	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	95432	46.11	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.22%				
60) toluene-d8 (s)	11.878	98	381281	49.54	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.08%				
82) bromofluorobenzene (s)	14.561	95	133280	50.80	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.60%				
Target Compounds							Qvalue
16) acetone	6.409	58	3328	0.52	ug/L		94
18) methylene chloride	7.013	84	2359	0.94	ug/L	#	76
39) chloroform	8.732	83	21535	4.82	ug/L		94
44) Cyclohexane	9.760	56	3979	0.92	ug/L		94
47) benzene	9.895	78	3998	0.41	ug/L		92
55) Methylcyclohexane	11.019	83	9539	2.30	ug/L		90
62) toluene	11.952	92	11217	2.04	ug/L		100
74) ethylbenzene	13.554	91	4721	0.45	ug/L		97
75) m,p-xylene	13.727	106	10554	2.54	ug/L		85
76) o-xylene	14.141	106	3978	0.96	ug/L	#	81
81) isopropylbenzene	14.505	105	1525	0.16	ug/L		85
89) 1,3,5-trimethylbenzene	15.229	105	4341	0.52	ug/L		82
91) 1,2,4-trimethylbenzene	15.632	105	6347	0.78	ug/L		92

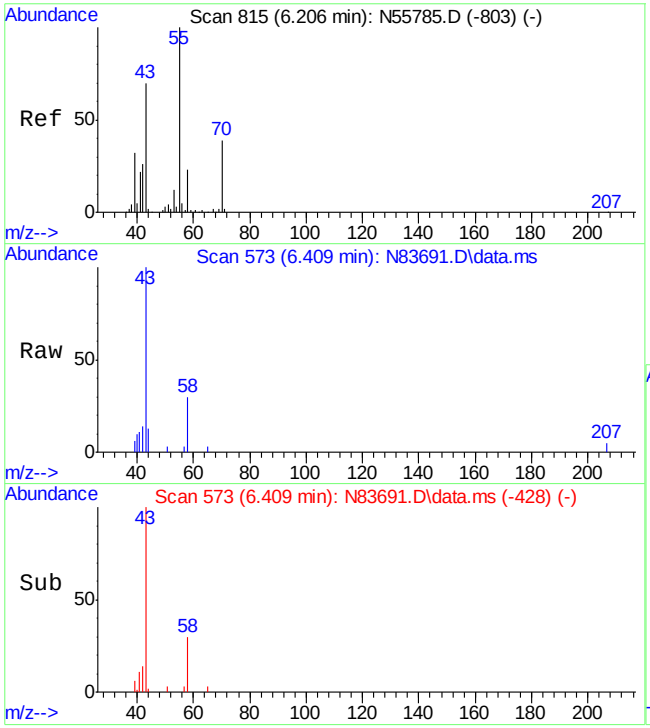
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83691.D
Acq On : 27 Dec 2013 5:46 pm
Operator : jaclynb
Sample : mc27399-3
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Dec 30 08:13:47 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

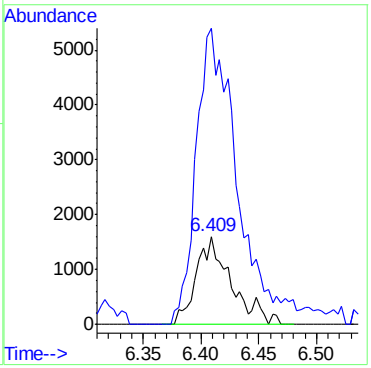


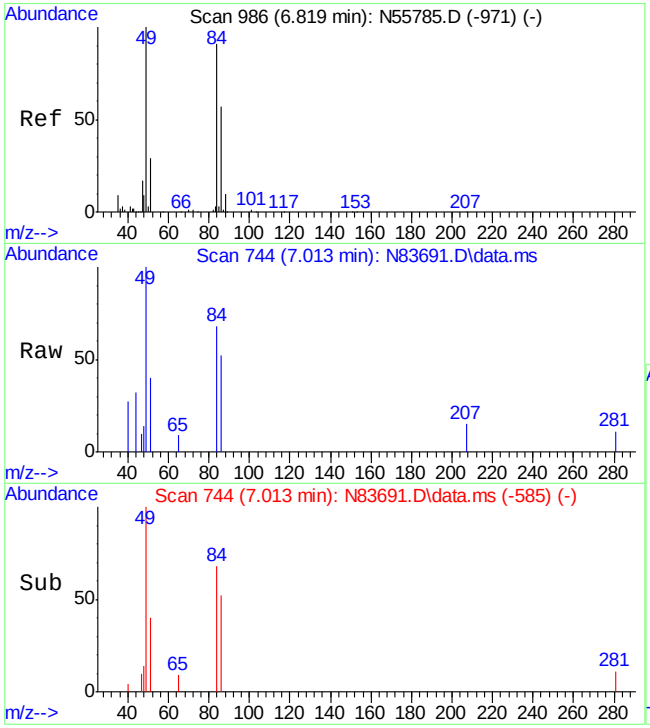


#16
acetone
Concen: 0.52 ug/L
RT: 6.409 min Scan# 573
Delta R.T. 0.011 min
Lab File: N83691.D
Acq: 27 Dec 2013 5:46 pm

Tgt Ion: 58 Resp: 3328

Ion	Ratio	Lower	Upper
58	100		
43	336.3	319.3	379.3

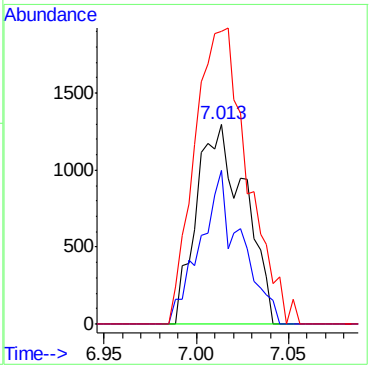


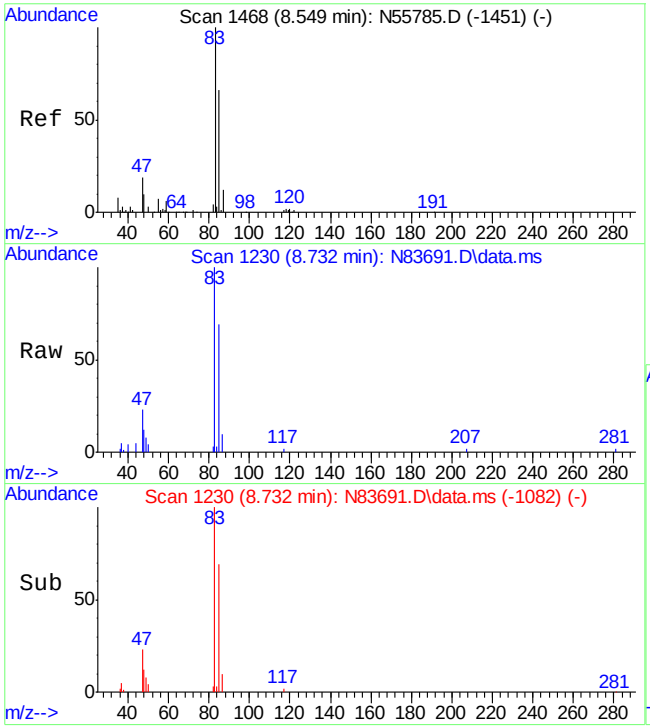


#18
methylene chloride
Concen: 0.94 ug/L
RT: 7.013 min Scan# 744
Delta R.T. 0.003 min
Lab File: N83691.D
Acq: 27 Dec 2013 5:46 pm

Tgt Ion: 84 Resp: 2359

Ion	Ratio	Lower	Upper
84	100		
86	76.9	32.6	92.6
49	146.5	153.7	213.7#

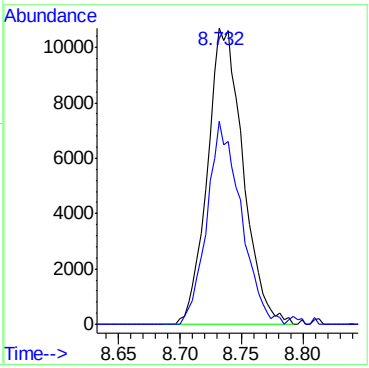


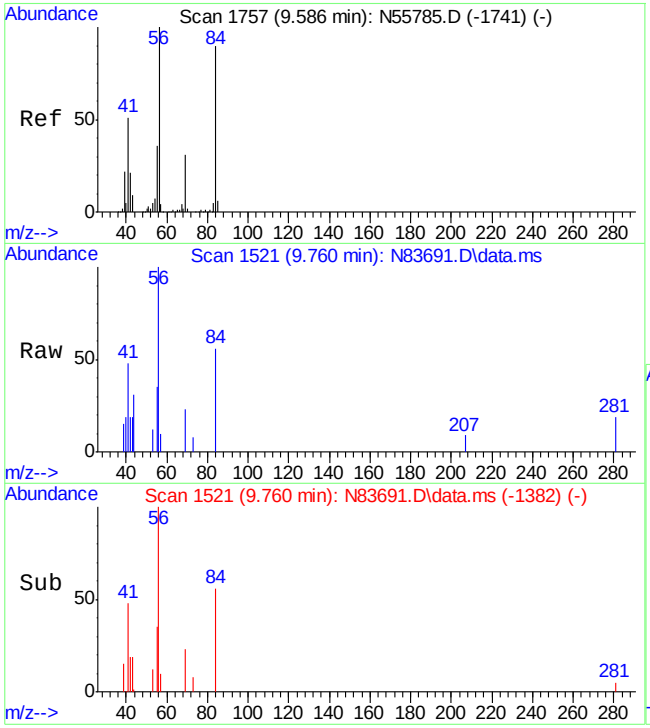


#39
chloroform
Concen: 4.82 ug/L
RT: 8.732 min Scan# 1230
Delta R.T. -0.007 min
Lab File: N83691.D
Acq: 27 Dec 2013 5:46 pm

Tgt Ion: 83 Resp: 21535

Ion	Ratio	Lower	Upper
83	100		
85	68.6	34.2	94.2

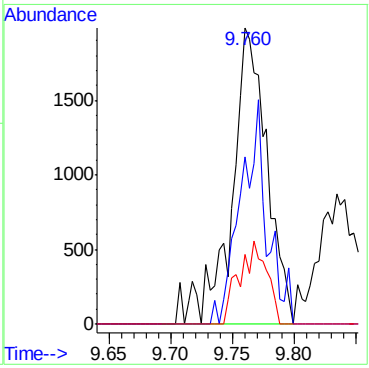


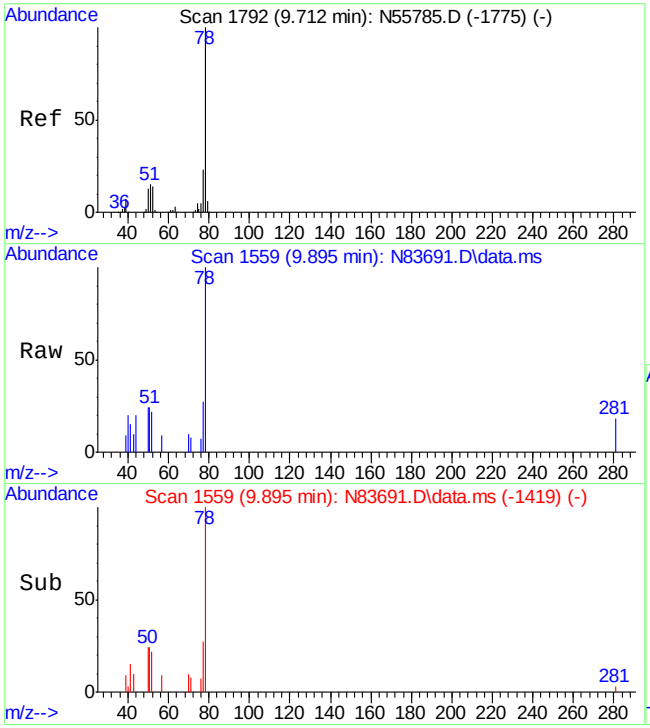


#44
Cyclohexane
Concen: 0.92 ug/L
RT: 9.760 min Scan# 1521
Delta R.T. -0.008 min
Lab File: N83691.D
Acq: 27 Dec 2013 5:46 pm

Tgt Ion: 56 Resp: 3979

Ion	Ratio	Lower	Upper
56	100		
84	56.5	50.1	75.1
69	23.5	18.9	28.3

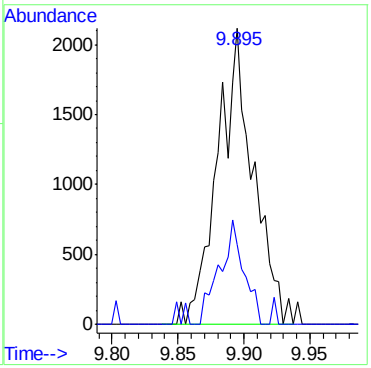


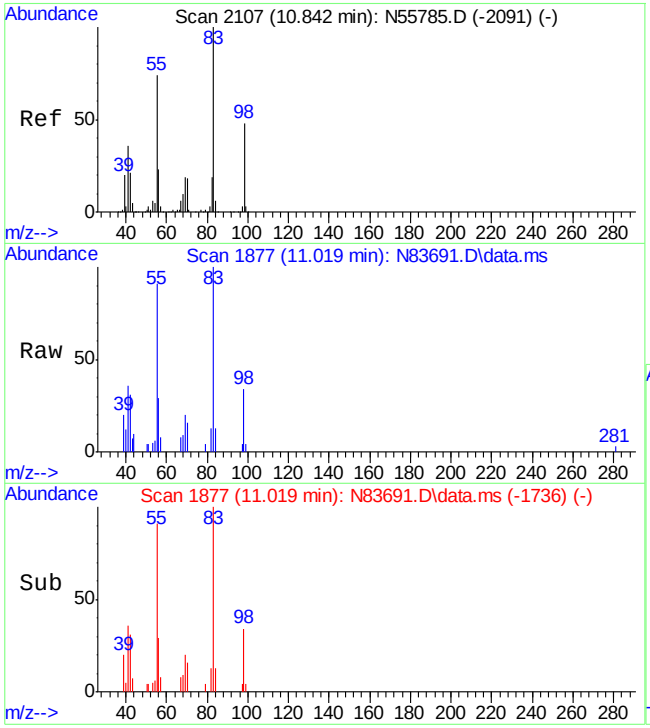


#47
benzene
Concen: 0.41 ug/L
RT: 9.895 min Scan# 1559
Delta R.T. 0.004 min
Lab File: N83691.D
Acq: 27 Dec 2013 5:46 pm

Tgt Ion: 78 Resp: 3998

Ion	Ratio	Lower	Upper
78	100		
77	27.0	0.0	52.9

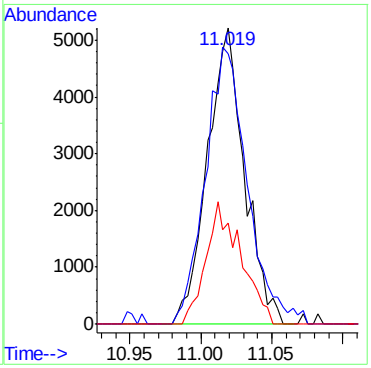


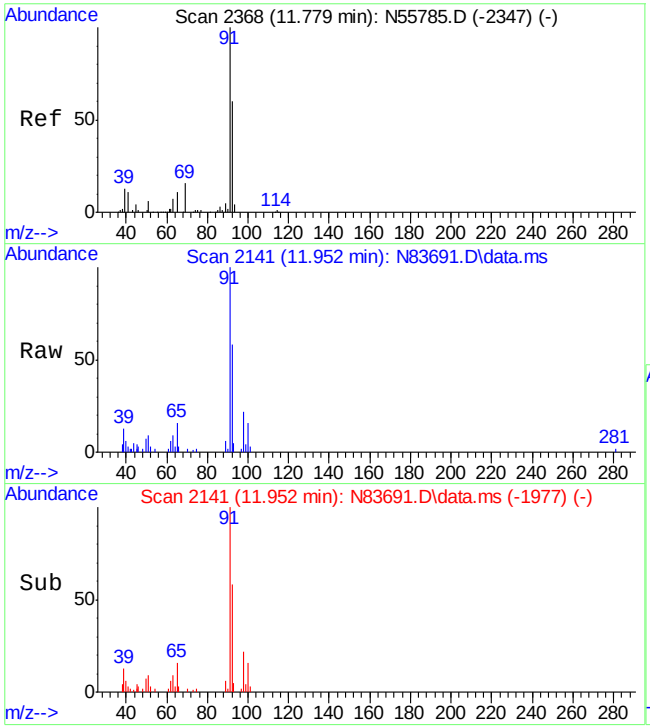


#55
Methylcyclohexane
Concen: 2.30 ug/L
RT: 11.019 min Scan# 1877
Delta R.T. -0.000 min
Lab File: N83691.D
Acq: 27 Dec 2013 5:46 pm

Tgt Ion: 83 Resp: 9539

Ion	Ratio	Lower	Upper
83	100		
55	91.2	81.2	121.8
98	34.1	32.1	48.1

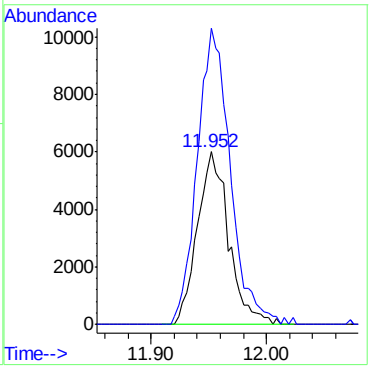


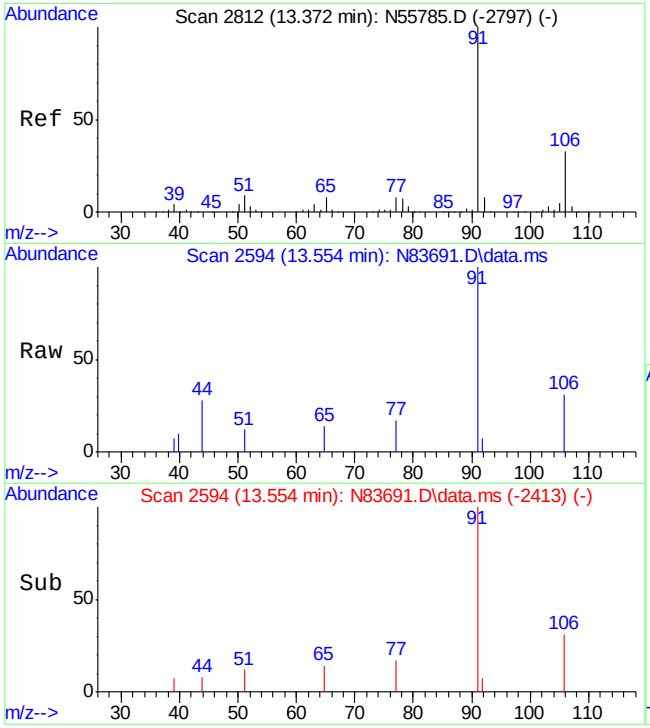


#62
toluene
Concen: 2.04 ug/L
RT: 11.952 min Scan# 2141
Delta R.T. 0.000 min
Lab File: N83691.D
Acq: 27 Dec 2013 5:46 pm

Tgt Ion: 92 Resp: 11217

Ion	Ratio	Lower	Upper
92	100		
91	171.4	140.8	200.8

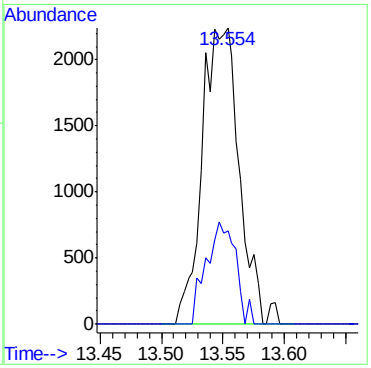


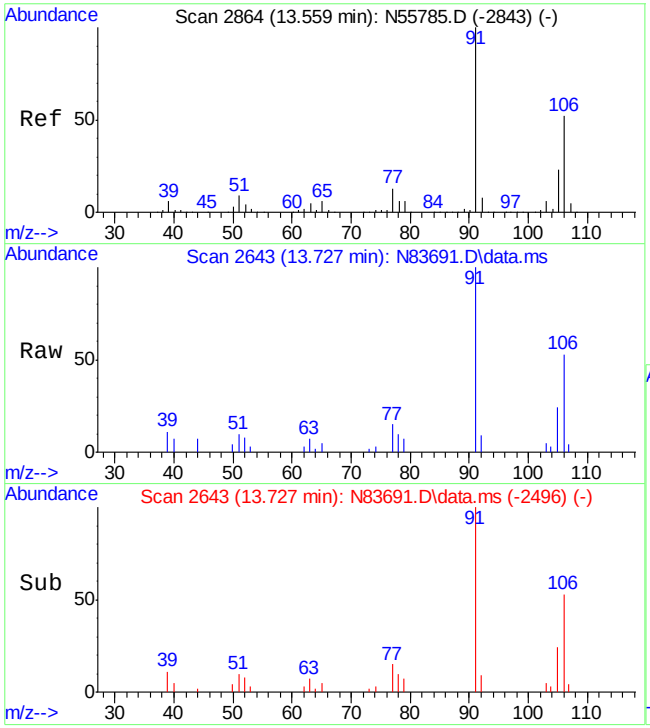


#74
ethylbenzene
Concen: 0.45 ug/L
RT: 13.554 min Scan# 2594
Delta R.T. 0.011 min
Lab File: N83691.D
Acq: 27 Dec 2013 5:46 pm

Tgt Ion: 91 Resp: 4721

Ion	Ratio	Lower	Upper
91	100		
106	31.5	0.1	60.1

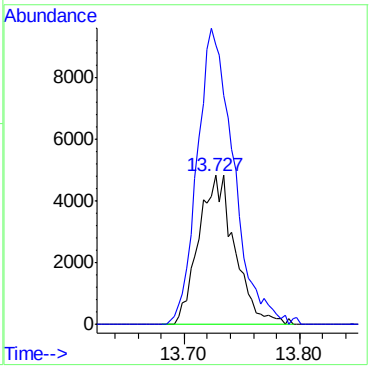


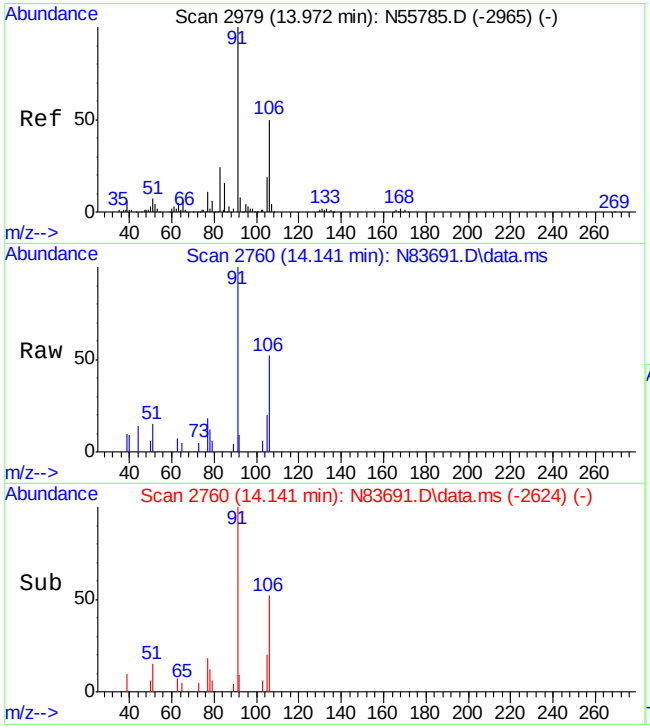


#75
m,p-xylene
Concen: 2.54 ug/L
RT: 13.727 min Scan# 2643
Delta R.T. -0.000 min
Lab File: N83691.D
Acq: 27 Dec 2013 5:46 pm

Tgt Ion:106 Resp: 10554

Ion	Ratio	Lower	Upper
106	100		
91	187.4	180.4	240.4

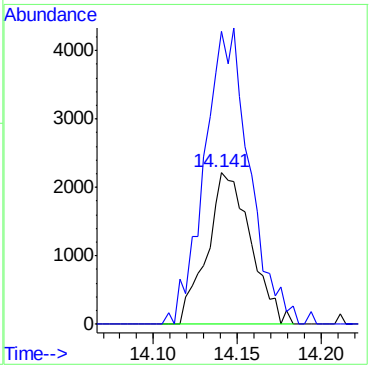


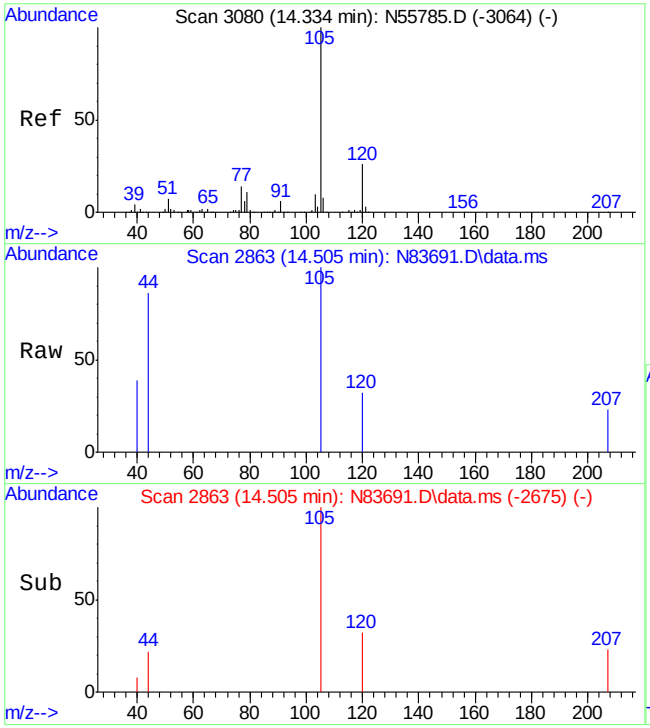


#76
o-xylene
Concen: 0.96 ug/L
RT: 14.141 min Scan# 2760
Delta R.T. -0.000 min
Lab File: N83691.D
Acq: 27 Dec 2013 5:46 pm

Tgt Ion:106 Resp: 3978

Ion	Ratio	Lower	Upper
106	100		
91	192.5	192.6	252.6#

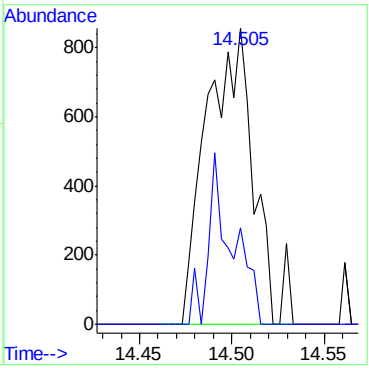


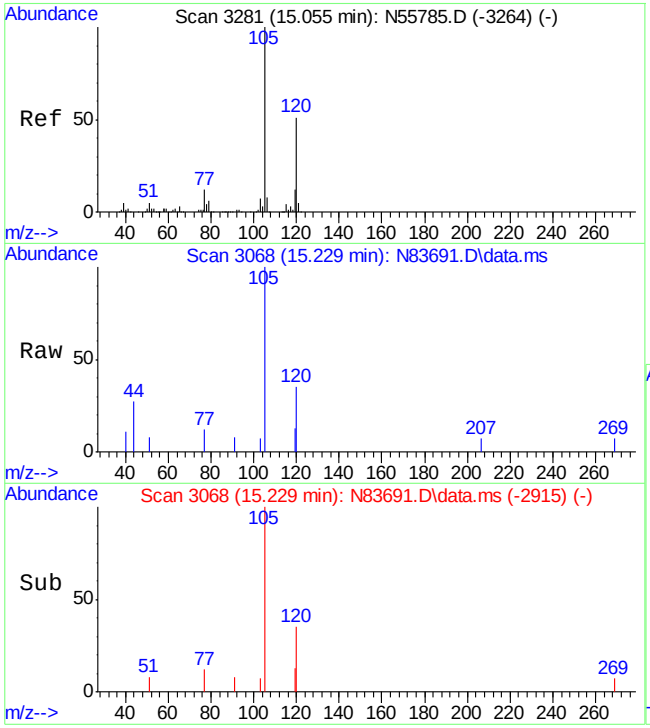


#81
isopropylbenzene
Concen: 0.16 ug/L
RT: 14.505 min Scan# 2863
Delta R.T. 0.004 min
Lab File: N83691.D
Acq: 27 Dec 2013 5:46 pm

Tgt Ion:105 Resp: 1525

Ion	Ratio	Lower	Upper
105	100		
120	32.5	0.0	55.1

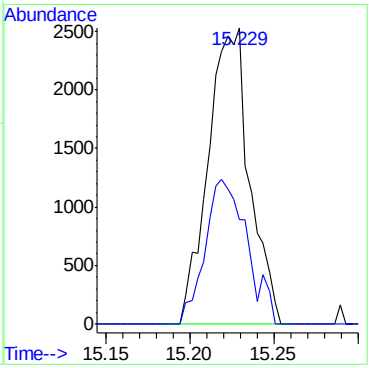


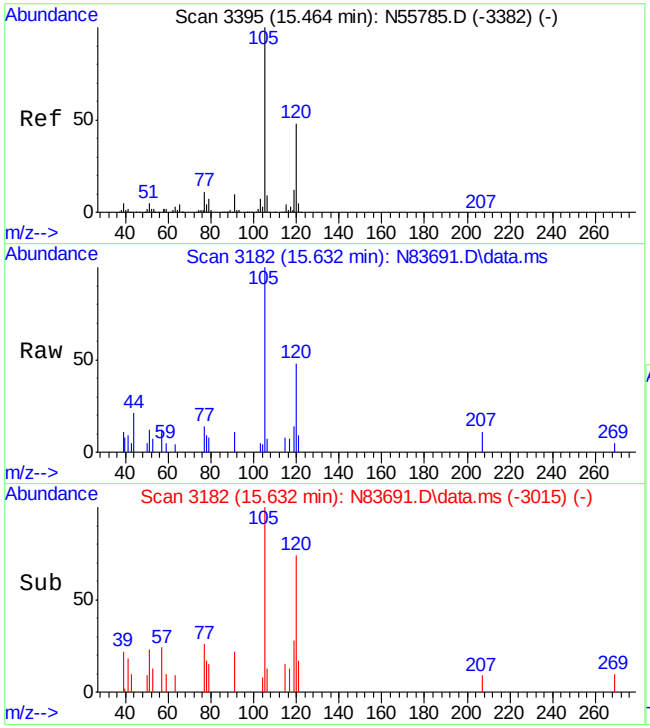


#89
1,3,5-trimethylbenzene
Concen: 0.52 ug/L
RT: 15.229 min Scan# 3068
Delta R.T. 0.010 min
Lab File: N83691.D
Acq: 27 Dec 2013 5:46 pm

Tgt Ion:105 Resp: 4341

Ion	Ratio	Lower	Upper
105	100		
120	35.1	16.9	76.9

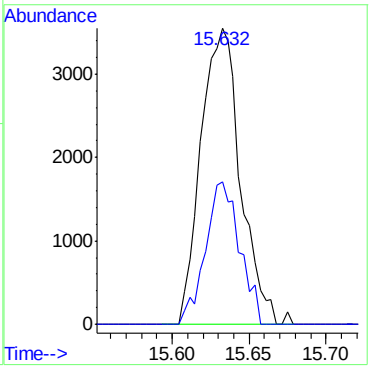




#91
1,2,4-trimethylbenzene
Concen: 0.78 ug/L
RT: 15.632 min Scan# 3182
Delta R.T. -0.001 min
Lab File: N83691.D
Acq: 27 Dec 2013 5:46 pm

Tgt Ion:105 Resp: 6347

Ion	Ratio	Lower	Upper
105	100		
120	48.2	13.0	73.0



LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83691.D
Acq On : 27 Dec 2013 5:46 pm
Operator : jaclynb
Sample : mc27399-3
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

Signal : TIC: N83691.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.744	93	102	145	rVB5	7876	20767	2.08%	0.353%
2	4.988	147	171	183	rVV10	6306	28176	2.82%	0.479%
3	5.055	183	190	335	rVB3	11862	86687	8.69%	1.472%
4	6.016	445	462	479	rVB4	12690	29133	2.92%	0.495%
5	6.158	479	502	513	rBV3	1345	4526	0.45%	0.077%
6	6.211	513	517	529	rVV2	958	1560	0.16%	0.026%
7	6.317	529	547	563	rVV5	2748	8656	0.87%	0.147%
8	6.409	563	573	597	rVV3	9343	25040	2.51%	0.425%
9	6.508	597	601	621	rVB3	1223	2125	0.21%	0.036%
10	6.667	641	646	655	rBV4	918	1525	0.15%	0.026%
11	6.777	663	677	735	rBV2	50566	131981	13.23%	2.242%
12	7.013	735	744	765	rVV6	5885	11990	1.20%	0.204%
13	7.116	765	773	785	rVB5	3358	5556	0.56%	0.094%
14	7.307	807	827	841	rBV5	1964	5094	0.51%	0.087%
15	7.515	877	886	897	rVB5	1223	2927	0.29%	0.050%
16	7.696	923	937	943	rBV5	5432	13074	1.31%	0.222%
17	7.975	1011	1016	1021	rBV3	983	1169	0.12%	0.020%
18	8.032	1021	1032	1043	rVV6	8319	16862	1.69%	0.286%
19	8.092	1043	1049	1081	rVB4	961	3136	0.31%	0.053%
20	8.339	1109	1119	1133	rBV6	2013	5392	0.54%	0.092%
21	8.413	1133	1140	1161	rVV4	1412	4813	0.48%	0.082%
22	8.534	1161	1174	1195	rVV4	1068	3806	0.38%	0.065%
23	8.629	1195	1201	1217	rVV4	800	1669	0.17%	0.028%
24	8.739	1217	1232	1253	rVV3	26354	56212	5.63%	0.955%
25	8.859	1253	1266	1309	rVV2	146607	319651	32.04%	5.429%
26	9.036	1309	1316	1327	rVV7	4223	8899	0.89%	0.151%
27	9.089	1327	1331	1345	rVV4	965	2111	0.21%	0.036%
28	9.209	1345	1365	1447	rVB2	300915	599954	60.13%	10.190%
29	9.594	1463	1474	1483	rBV5	1683	3778	0.38%	0.064%
30	9.721	1499	1510	1515	rBV3	3784	8069	0.81%	0.137%
31	9.760	1515	1521	1535	rVV7	7365	14744	1.48%	0.250%
32	9.835	1535	1542	1549	rVV6	4010	7524	0.75%	0.128%
33	9.909	1549	1563	1577	rVB8	7511	20853	2.09%	0.354%
34	9.997	1583	1588	1595	rVB3	1369	1764	0.18%	0.030%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83691.D
Acq On : 27 Dec 2013 5:46 pm
Operator : jaclynb
Sample : mc27399-3
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

35	10.082	1595	1612	1651	rBV	384936	761203	76.29%	12.929%
36	10.234	1651	1655	1665	rBV6	1787	2248	0.23%	0.038%
37	10.503	1723	1731	1743	rBV4	1174	2203	0.22%	0.037%
38	10.566	1743	1749	1773	rVV5	1599	3434	0.34%	0.058%
39	10.680	1773	1781	1785	rVB4	1012	1072	0.11%	0.018%
40	10.775	1785	1808	1809	rBV3	831	1959	0.20%	0.033%
41	10.814	1815	1819	1843	rBV4	881	2120	0.21%	0.036%
42	10.941	1849	1855	1861	rBV3	923	959	0.10%	0.016%
43	11.019	1861	1877	1899	rVB6	24744	56311	5.64%	0.956%
44	11.273	1939	1949	1985	rVB7	2338	7931	0.79%	0.135%
45	11.436	1985	1995	2001	rVB3	967	1726	0.17%	0.029%
46	11.578	2025	2035	2039	rBV4	1182	1810	0.18%	0.031%
47	11.662	2051	2059	2071	rVB5	1435	2624	0.26%	0.045%
48	11.768	2071	2089	2105	rVV8	3401	8220	0.82%	0.140%
49	11.878	2105	2120	2135	rVV	531509	997772	100.00%	16.947%
50	11.952	2135	2141	2165	rVV	33194	64960	6.51%	1.103%
51	12.072	2165	2175	2193	rVB8	5645	14804	1.48%	0.251%
52	12.246	2217	2224	2235	rVB6	2976	5842	0.59%	0.099%
53	12.451	2271	2282	2293	rBV6	3279	4543	0.46%	0.077%
54	12.543	2301	2308	2325	rVB5	2467	5467	0.55%	0.093%
55	12.631	2325	2333	2337	rBV2	750	941	0.09%	0.016%
56	12.673	2339	2345	2355	rVB3	962	1496	0.15%	0.025%
57	12.769	2365	2372	2385	rVV2	729	1047	0.10%	0.018%
58	12.847	2385	2394	2403	rVB3	1263	2358	0.24%	0.040%
59	12.988	2417	2434	2437	rBV3	1238	1941	0.19%	0.033%
60	13.023	2437	2444	2463	rVB5	2648	4681	0.47%	0.080%
61	13.271	2507	2514	2517	rBV4	1506	1222	0.12%	0.021%
62	13.338	2517	2533	2569	rVV	446740	860779	86.27%	14.620%
63	13.483	2569	2574	2581	rVB3	1306	1462	0.15%	0.025%
64	13.543	2581	2591	2613	rBV5	5295	10287	1.03%	0.175%
65	13.723	2631	2642	2671	rVB3	27594	60423	6.06%	1.026%
66	13.904	2687	2693	2705	rBV2	712	889	0.09%	0.015%
67	14.045	2721	2733	2743	rBV2	790	1153	0.12%	0.020%
68	14.141	2747	2760	2781	rVB3	12149	24284	2.43%	0.412%
69	14.243	2781	2789	2797	rBV2	836	1732	0.17%	0.029%
70	14.324	2803	2812	2815	rVB4	1228	1620	0.16%	0.028%
71	14.349	2815	2819	2831	rBV3	802	1281	0.13%	0.022%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83691.D
Acq On : 27 Dec 2013 5:46 pm
Operator : jaclynb
Sample : mc27399-3
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

72	14.434	2837	2843	2851	rBV2	610	1056	0.11%	0.018%
73	14.505	2851	2863	2867	rBV4	1545	2992	0.30%	0.051%
74	14.561	2867	2879	2909	rVV	344945	638438	63.99%	10.844%
75	14.674	2909	2911	2919	rVV2	1007	1012	0.10%	0.017%
76	14.759	2923	2935	2943	rBV3	964	2731	0.27%	0.046%
77	14.826	2943	2954	2955	rVB2	816	1159	0.12%	0.020%
78	14.957	2975	2991	3009	rBV4	1895	5031	0.50%	0.085%
79	15.049	3009	3017	3027	rVV5	5271	9012	0.90%	0.153%
80	15.113	3029	3035	3051	rVB7	2249	4576	0.46%	0.078%
81	15.222	3051	3066	3079	rBV5	7125	13188	1.32%	0.224%
82	15.279	3079	3082	3095	rBV5	1262	1517	0.15%	0.026%
83	15.392	3105	3114	3127	rVB5	2399	4604	0.46%	0.078%
84	15.466	3129	3135	3145	rVV3	1015	1596	0.16%	0.027%
85	15.565	3145	3163	3167	rVV3	895	2033	0.20%	0.035%
86	15.632	3167	3182	3197	rVV4	11387	19564	1.96%	0.332%
87	15.707	3197	3203	3207	rVV3	782	971	0.10%	0.016%
88	15.735	3207	3211	3227	rVV5	1231	2758	0.28%	0.047%
89	15.823	3227	3236	3243	rBV4	1202	2129	0.21%	0.036%
90	15.894	3243	3256	3291	rVV	435920	771608	77.33%	13.106%
91	16.050	3295	3300	3313	rVB7	1913	4301	0.43%	0.073%
92	16.329	3371	3379	3463	rBV5	2970	13249	1.33%	0.225%

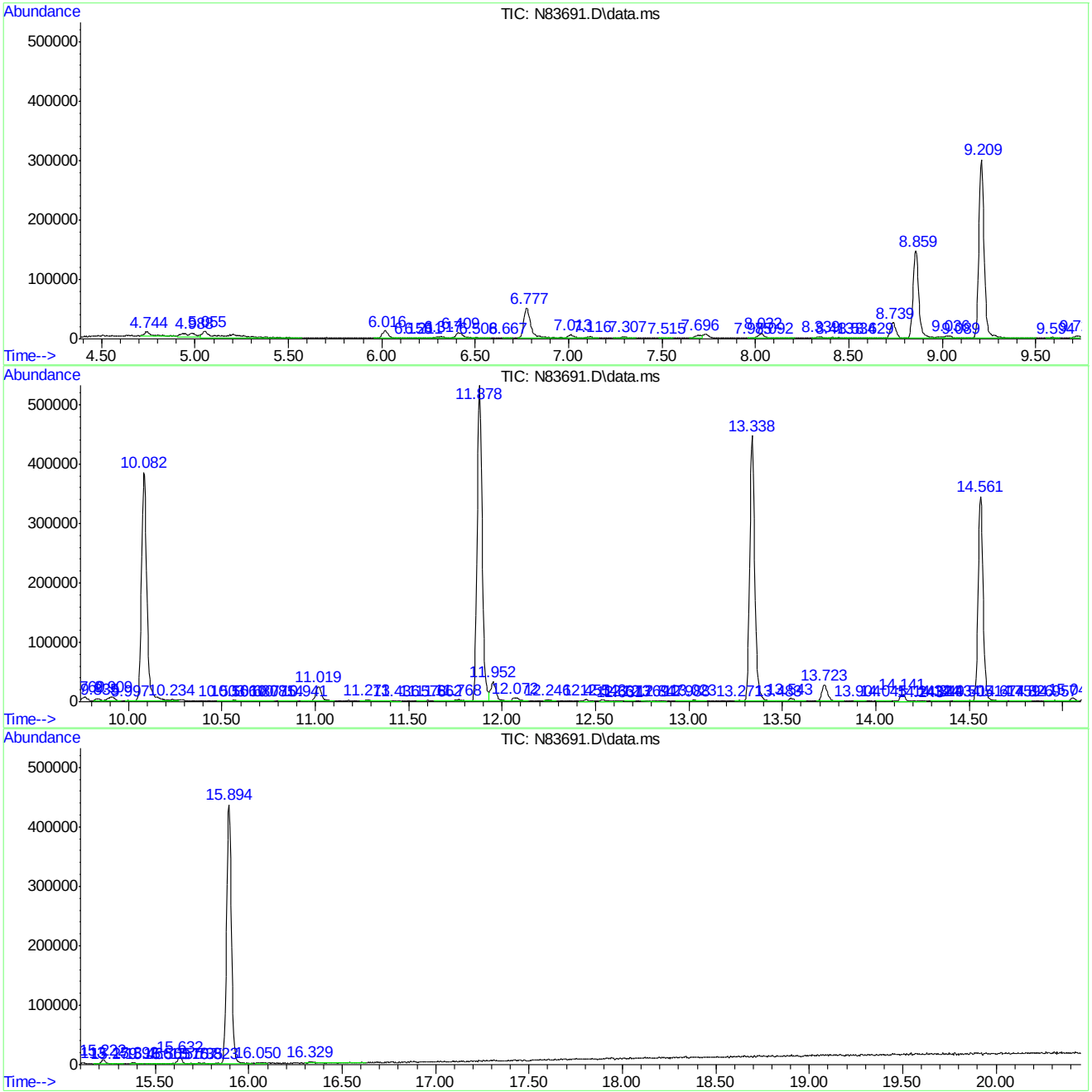
Sum of corrected areas: 5887552

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\N131227\
Data File : N83691.D
Acq On : 27 Dec 2013 5:46 pm
Operator : jaclynb
Sample : mc27399-3
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83691.D
Acq On : 27 Dec 2013 5:46 pm
Operator : jaclynb
Sample : mc27399-3
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

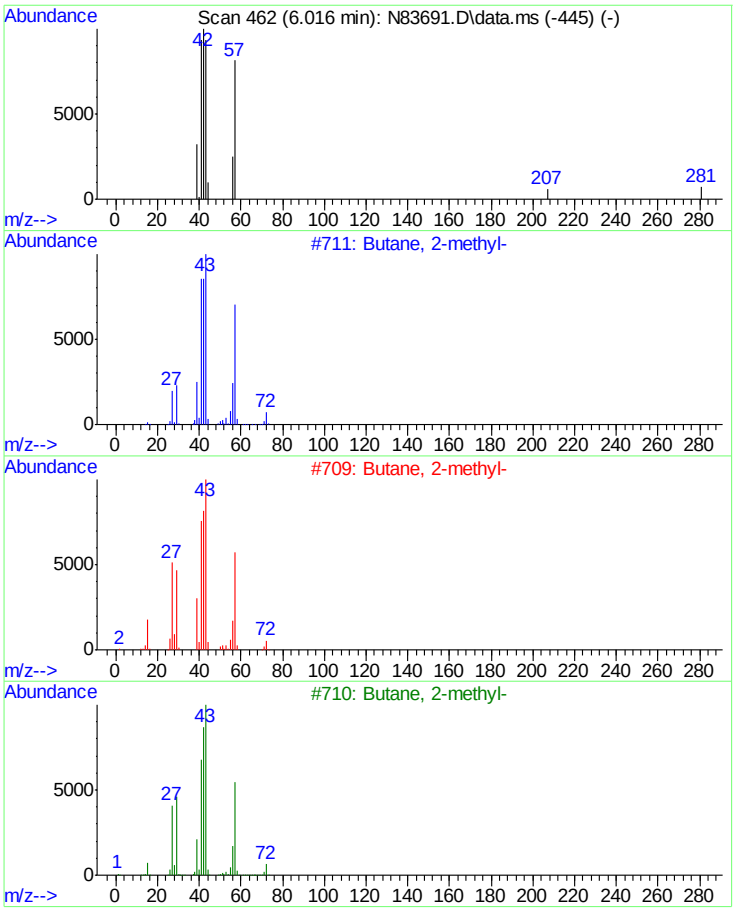
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

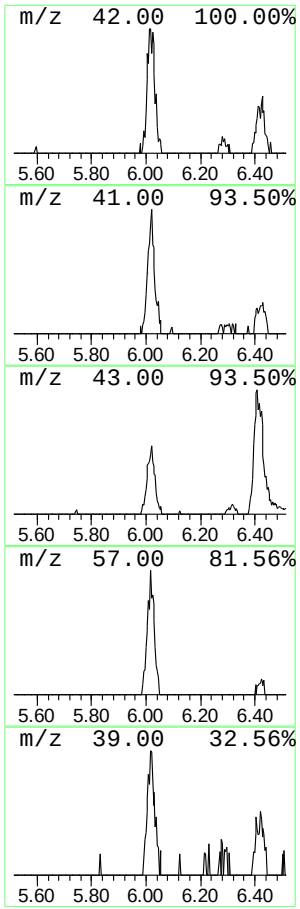
****

Peak Number 4 Butane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.016	2.43 ug/L	29133	pentafluorobenzene	9.212

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	56
2	Butane, 2-methyl-	72	C5H12	000078-78-4	43
3	Butane, 2-methyl-	72	C5H12	000078-78-4	9
4	Methane, isocyanato-	57	C2H3NO	000624-83-9	4
5	Cyclopropane	42	C3H6	000075-19-4	4





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\N131227\
Data File : N83691.D
Acq On : 27 Dec 2013 5:46 pm
Operator : jaclynb
Sample : mc27399-3
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	6.016	2.4	ug/L	29133	2	9.212	599954	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83692.D
Acq On : 27 Dec 2013 6:14 pm
Operator : jaclynb
Sample : mc27399-4
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Dec 30 08:19:08 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

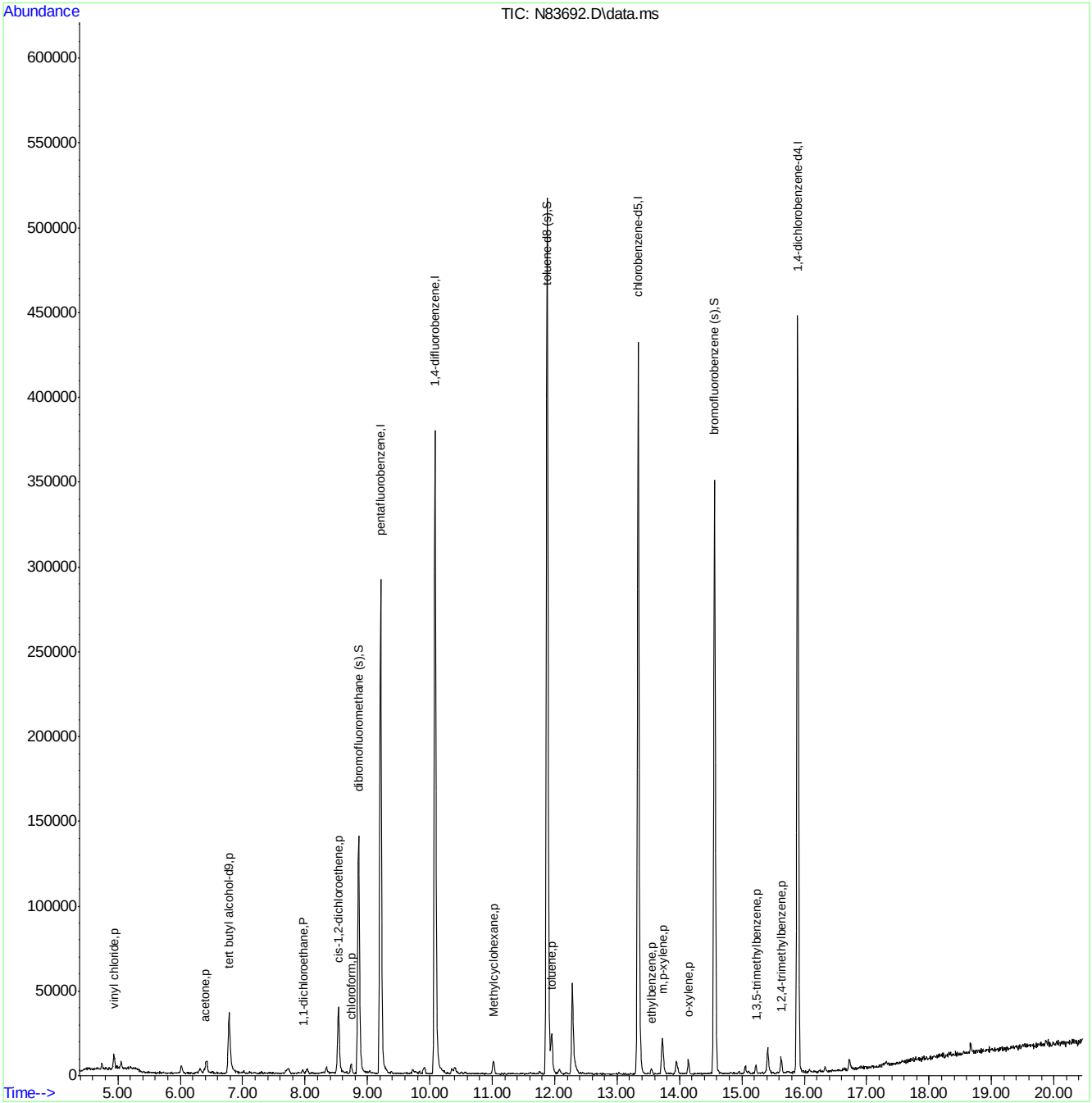
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.780	65	54336	500.00	ug/L		0.01
4) pentafluorobenzene	9.212	168	207614	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	316971	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	157859	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	126018	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	90154	44.43	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 88.86%				
60) toluene-d8 (s)	11.878	98	379896	49.63	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.26%				
82) bromofluorobenzene (s)	14.561	95	134679	50.57	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.14%				
Target Compounds							Qvalue
7) vinyl chloride	4.938	62	3992	1.15	ug/L	#	43
16) acetone	6.402	58	3742	2.89	ug/L	#	17
32) 1,1-dichloroethane	7.968	63	2556	0.54	ug/L		95
36) cis-1,2-dichloroethene	8.537	96	18339	7.20	ug/L		83
39) chloroform	8.735	83	5255	1.20	ug/L		81
55) Methylcyclohexane	11.015	83	3356	0.81	ug/L	#	72
62) toluene	11.956	92	8330	1.52	ug/L		99
74) ethylbenzene	13.550	91	3131	0.30	ug/L		89
75) m,p-xylene	13.727	106	8104	2.01	ug/L	#	81
76) o-xylene	14.137	106	2710	0.67	ug/L	#	47
89) 1,3,5-trimethylbenzene	15.230	105	3608	0.42	ug/L		98
91) 1,2,4-trimethylbenzene	15.633	105	6055	0.73	ug/L		84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

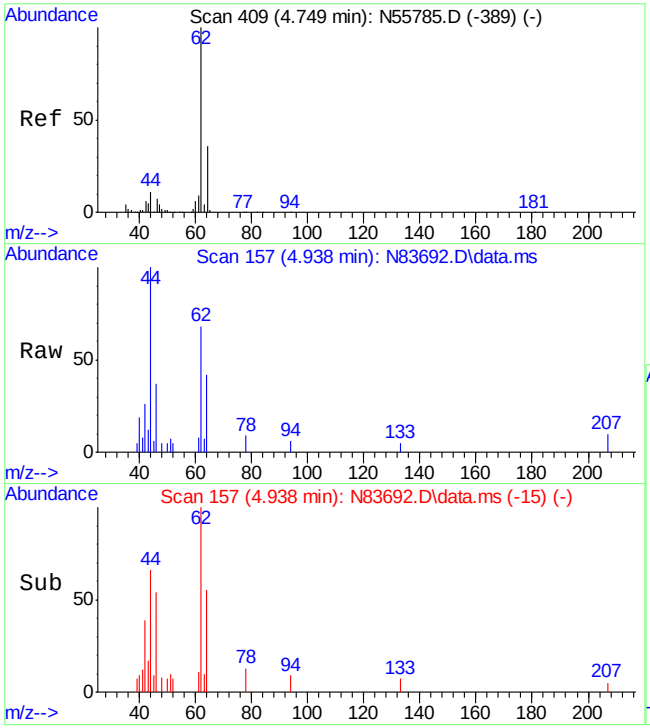
Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83692.D
Acq On : 27 Dec 2013 6:14 pm
Operator : jaclynb
Sample : mc27399-4
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Dec 30 08:19:08 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



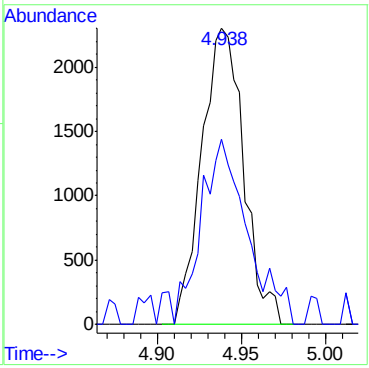
n131125w.m Mon Dec 30 08:19:31 2013 Page: 2

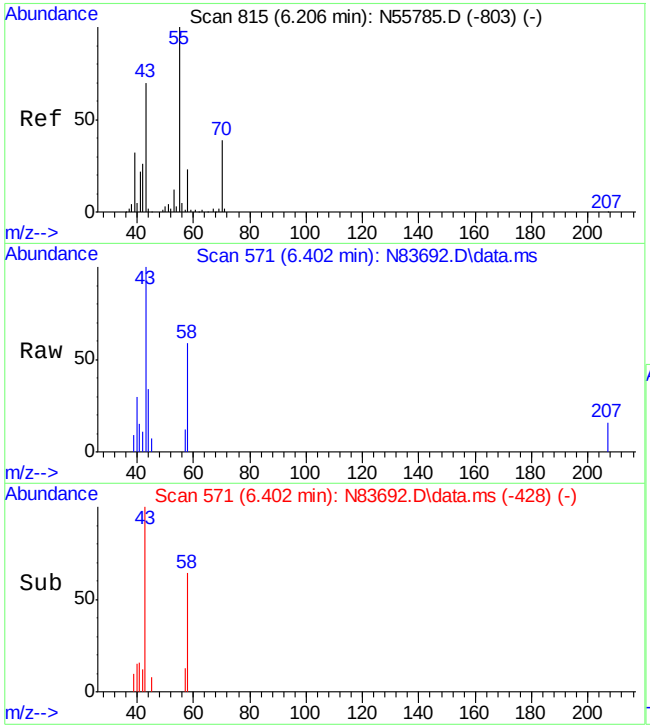


#7
vinyl chloride
Concen: 1.15 ug/L
RT: 4.938 min Scan# 157
Delta R.T. 0.003 min
Lab File: N83692.D
Acq: 27 Dec 2013 6:14 pm

Tgt Ion: 62 Resp: 3992

Ion	Ratio	Lower	Upper
62	100		
64	62.4	1.1	61.1#

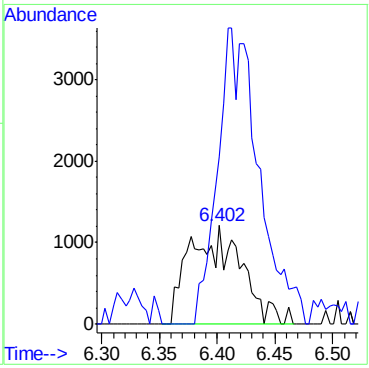


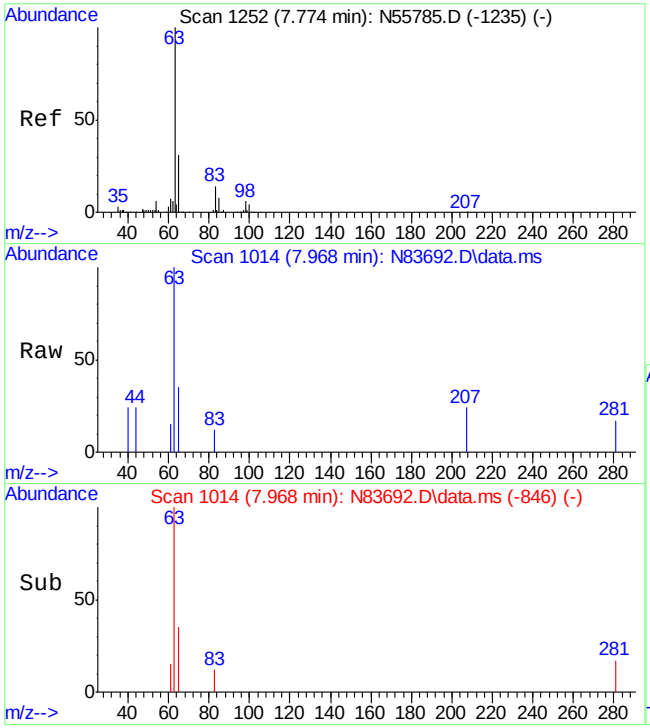


#16
acetone
Concen: 2.89 ug/L
RT: 6.402 min Scan# 571
Delta R.T. 0.004 min
Lab File: N83692.D
Acq: 27 Dec 2013 6:14 pm

Tgt Ion: 58 Resp: 3742

Ion	Ratio	Lower	Upper
58	100		
43	169.7	319.3	379.3#

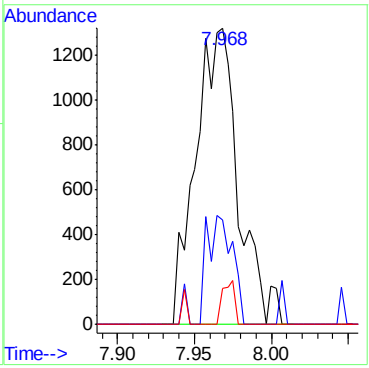


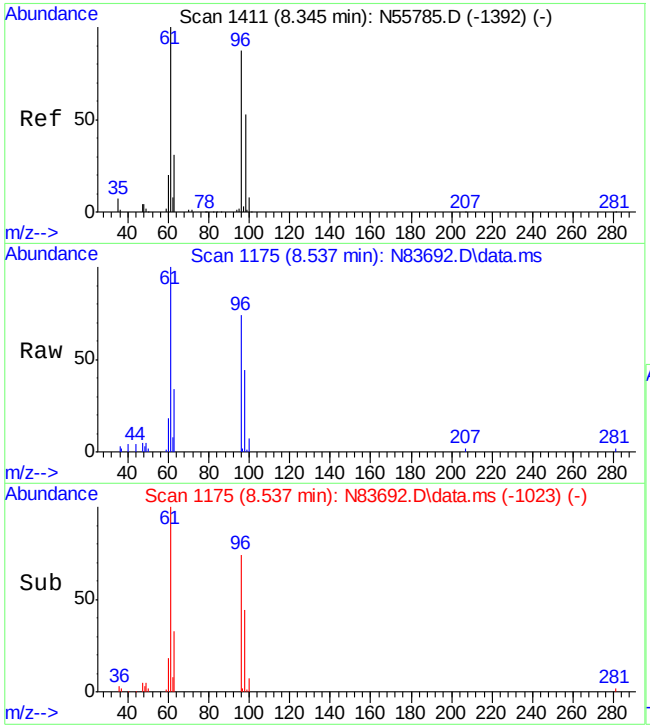


#32
1,1-dichloroethane
Concen: 0.54 ug/L
RT: 7.968 min Scan# 1014
Delta R.T. 0.003 min
Lab File: N83692.D
Acq: 27 Dec 2013 6:14 pm

Tgt Ion: 63 Resp: 2556

Ion	Ratio	Lower	Upper
63	100		
65	35.1	1.2	61.2
83	12.2	0.0	42.1

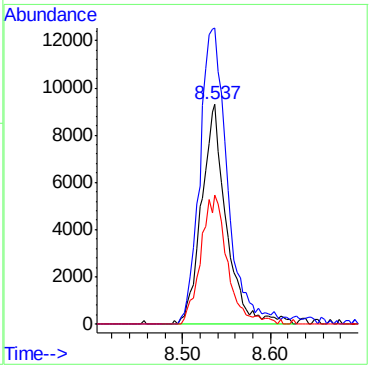


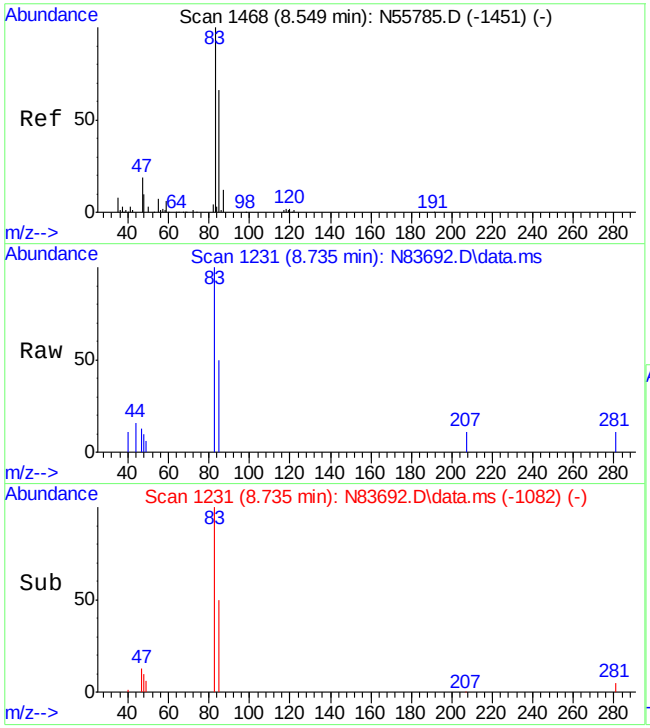


#36
cis-1,2-dichloroethene
Concen: 7.20 ug/L
RT: 8.537 min Scan# 1175
Delta R.T. 0.007 min
Lab File: N83692.D
Acq: 27 Dec 2013 6:14 pm

Tgt Ion: 96 Resp: 18339

Ion	Ratio	Lower	Upper
96	100		
61	134.4	131.2	191.2
98	58.8	36.1	96.1

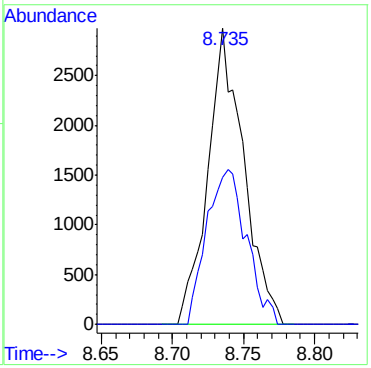


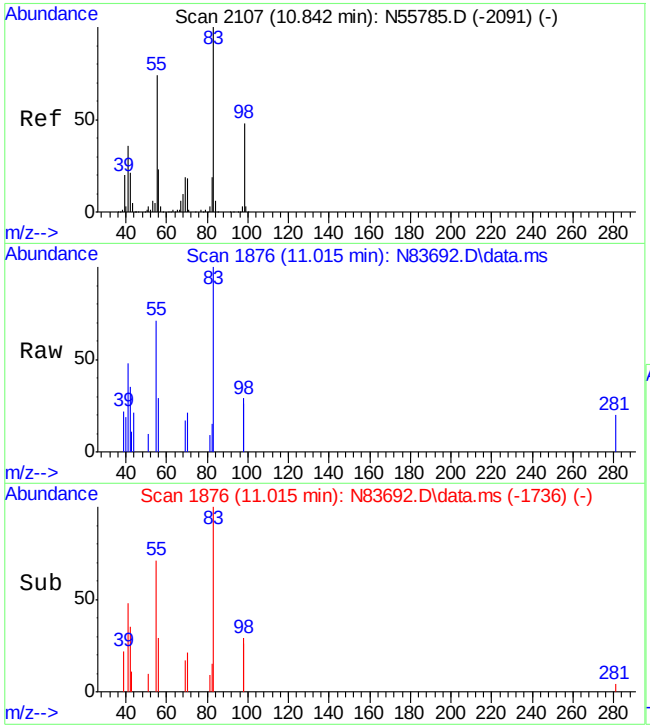


#39
chloroform
Concen: 1.20 ug/L
RT: 8.735 min Scan# 1231
Delta R.T. -0.004 min
Lab File: N83692.D
Acq: 27 Dec 2013 6:14 pm

Tgt Ion: 83 Resp: 5255

Ion	Ratio	Lower	Upper
83	100		
85	49.7	34.2	94.2

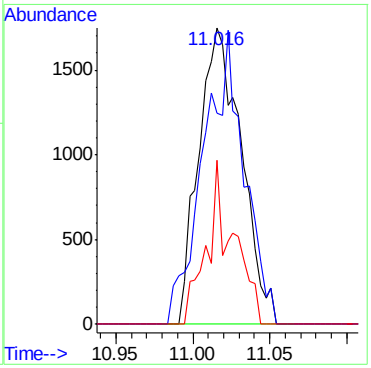


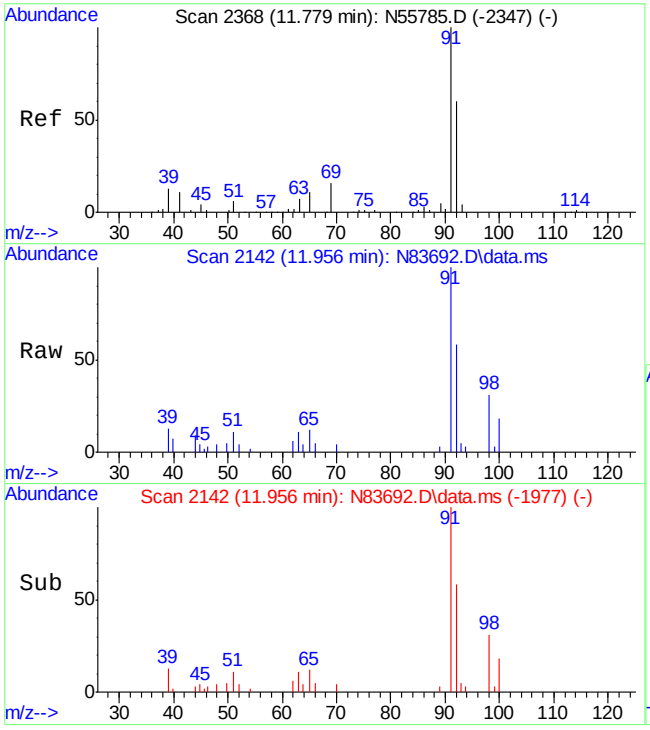


#55
Methylcyclohexane
Concen: 0.81 ug/L
RT: 11.015 min Scan# 1876
Delta R.T. -0.004 min
Lab File: N83692.D
Acq: 27 Dec 2013 6:14 pm

Tgt Ion: 83 Resp: 3356

Ion	Ratio	Lower	Upper
83	100		
55	71.4	81.2	121.8#
98	55.2	32.1	48.1#

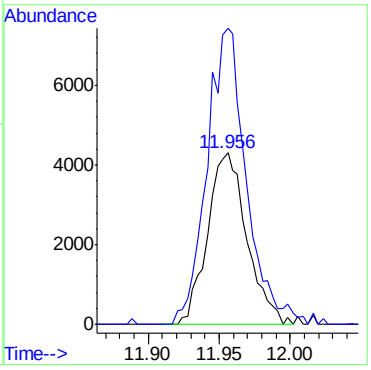


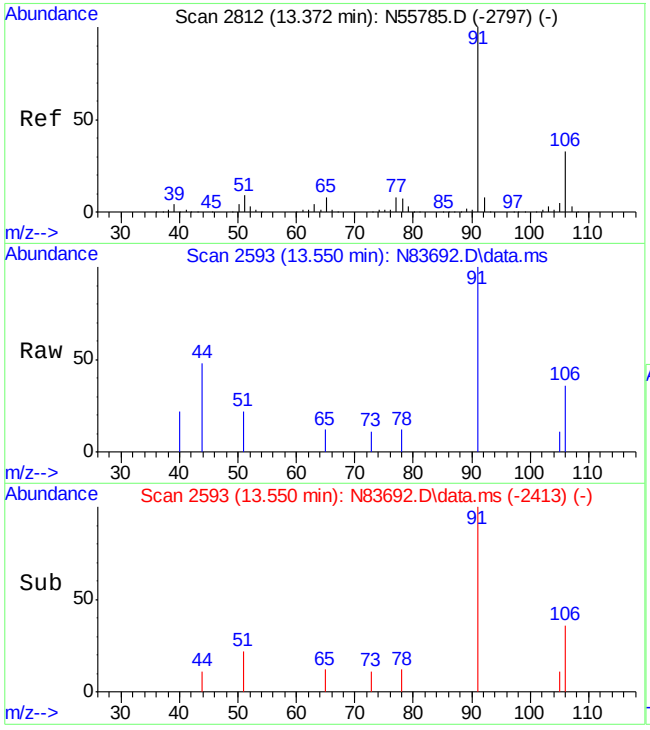


#62
toluene
Concen: 1.52 ug/L
RT: 11.956 min Scan# 2142
Delta R.T. 0.004 min
Lab File: N83692.D
Acq: 27 Dec 2013 6:14 pm

Tgt Ion: 92 Resp: 8330

Ion	Ratio	Lower	Upper
92	100		
91	172.7	140.8	200.8

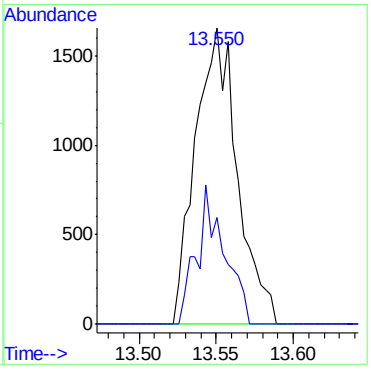


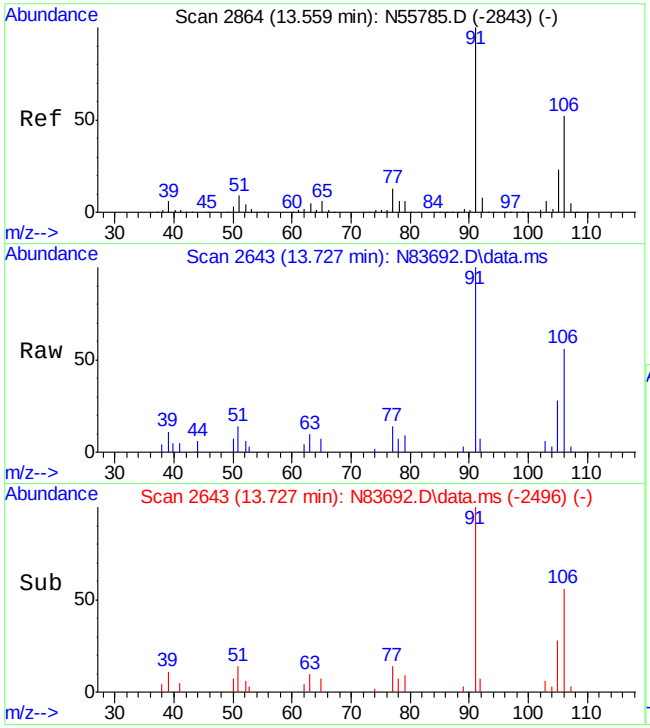


#74
ethylbenzene
Concen: 0.30 ug/L
RT: 13.550 min Scan# 2593
Delta R.T. 0.007 min
Lab File: N83692.D
Acq: 27 Dec 2013 6:14 pm

Tgt Ion: 91 Resp: 3131

Ion	Ratio	Lower	Upper
91	100		
106	36.1	0.1	60.1

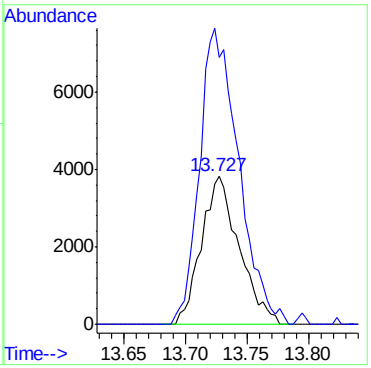


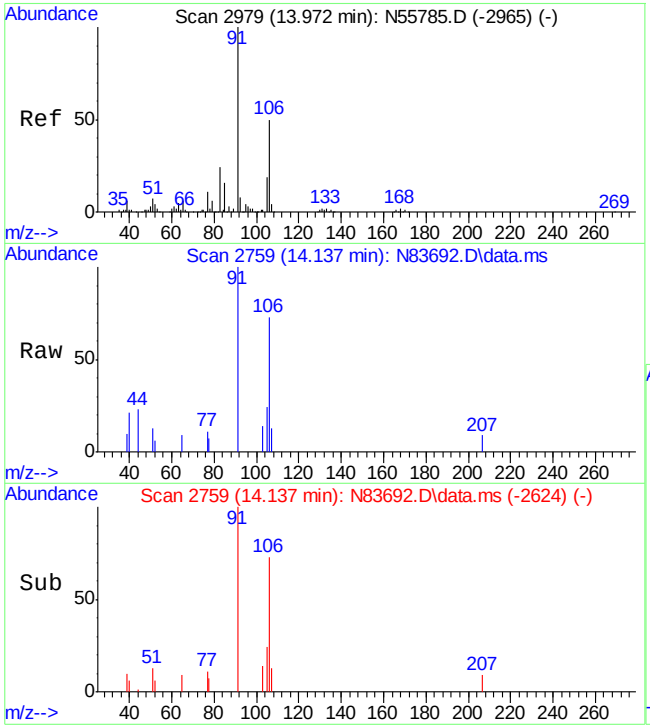


#75
m,p-xylene
Concen: 2.01 ug/L
RT: 13.727 min Scan# 2643
Delta R.T. 0.000 min
Lab File: N83692.D
Acq: 27 Dec 2013 6:14 pm

Tgt Ion:106 Resp: 8104

Ion	Ratio	Lower	Upper
106	100		
91	179.9	180.4	240.4#

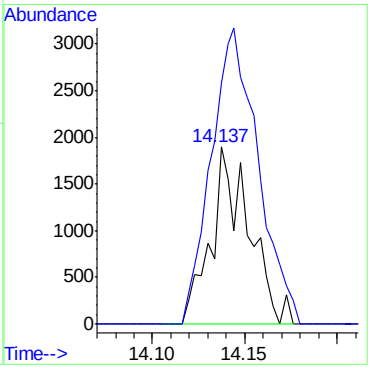


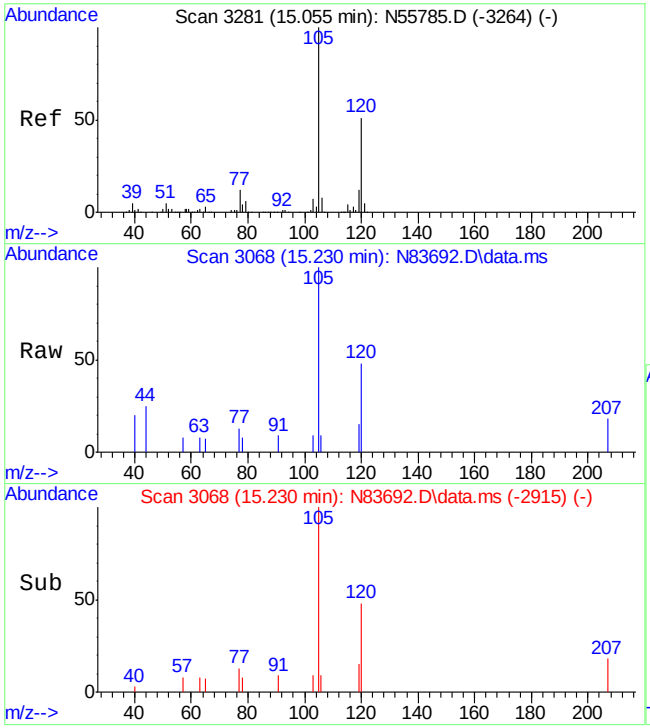


#76
o-xylene
Concen: 0.67 ug/L
RT: 14.137 min Scan# 2759
Delta R.T. -0.004 min
Lab File: N83692.D
Acq: 27 Dec 2013 6:14 pm

Tgt Ion:106 Resp: 2710

Ion	Ratio	Lower	Upper
106	100		
91	136.4	192.6	252.6#

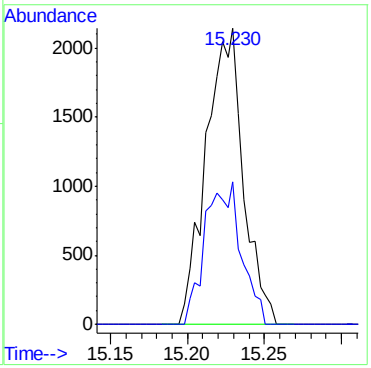


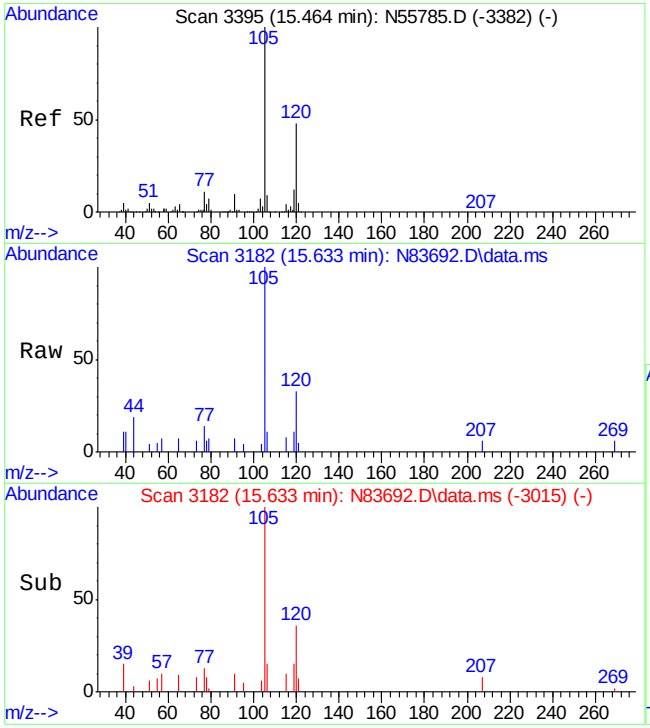


#89
1,3,5-trimethylbenzene
Concen: 0.42 ug/L
RT: 15.230 min Scan# 3068
Delta R.T. 0.011 min
Lab File: N83692.D
Acq: 27 Dec 2013 6:14 pm

Tgt Ion:105 Resp: 3608

Ion	Ratio	Lower	Upper
105	100		
120	48.1	16.9	76.9

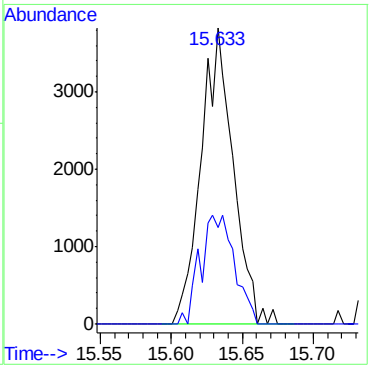




#91
1,2,4-trimethylbenzene
Concen: 0.73 ug/L
RT: 15.633 min Scan# 3182
Delta R.T. -0.000 min
Lab File: N83692.D
Acq: 27 Dec 2013 6:14 pm

Tgt Ion:105 Resp: 6055

Ion	Ratio	Lower	Upper
105	100		
120	32.7	13.0	73.0



LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83692.D
Acq On : 27 Dec 2013 6:14 pm
Operator : jaclynb
Sample : mc27399-4
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

Signal : TIC: N83692.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.744	97	102	149	rVV7	3758	7995	0.80%	0.139%
2	4.938	149	157	183	rVV7	9702	23180	2.33%	0.404%
3	5.055	183	190	271	rVB8	6147	42538	4.27%	0.742%
4	5.674	359	365	377	rVV3	1082	894	0.09%	0.016%
5	5.730	377	381	393	rVB3	852	1483	0.15%	0.026%
6	6.020	453	463	505	rVB7	4558	10827	1.09%	0.189%
7	6.314	539	546	559	rBV4	2583	5497	0.55%	0.096%
8	6.427	559	578	615	rVB4	7305	25781	2.59%	0.450%
9	6.600	615	627	641	rBV4	773	2155	0.22%	0.038%
10	6.780	661	678	709	rBV3	35923	96762	9.72%	1.687%
11	7.296	817	824	841	rVB4	1368	2186	0.22%	0.038%
12	7.427	853	861	863	rBV3	919	1417	0.14%	0.025%
13	7.455	863	869	885	rVV3	1092	2315	0.23%	0.040%
14	7.731	929	947	967	rVB7	3144	10184	1.02%	0.178%
15	7.897	987	994	1003	rBV3	887	1336	0.13%	0.023%
16	7.965	1003	1013	1023	rVV2	2576	5019	0.50%	0.088%
17	8.032	1023	1032	1043	rVB4	3433	7113	0.71%	0.124%
18	8.343	1109	1120	1135	rVB7	4000	8056	0.81%	0.140%
19	8.477	1145	1158	1159	rVB4	1276	2320	0.23%	0.040%
20	8.537	1159	1175	1219	rBV2	39527	90441	9.08%	1.577%
21	8.742	1219	1233	1249	rVB4	6187	13778	1.38%	0.240%
22	8.859	1253	1266	1309	rBV2	140230	299053	30.04%	5.214%
23	9.212	1351	1366	1435	rVB	291480	573004	57.55%	9.991%
24	9.725	1495	1511	1519	rBV5	2900	6982	0.70%	0.122%
25	9.838	1533	1543	1555	rBV7	1738	3827	0.38%	0.067%
26	9.912	1555	1564	1587	rVB9	4030	9774	0.98%	0.170%
27	10.082	1587	1612	1667	rBV	379545	754406	75.77%	13.154%
28	10.351	1681	1688	1695	rBV7	3149	5026	0.50%	0.088%
29	10.393	1695	1700	1723	rVB5	3862	10846	1.09%	0.189%
30	10.506	1727	1732	1743	rVV4	1426	2211	0.22%	0.039%
31	10.556	1743	1746	1765	rVB4	1223	2601	0.26%	0.045%
32	11.016	1865	1876	1895	rVB8	7900	16990	1.71%	0.296%
33	11.097	1895	1899	1907	rVB2	563	921	0.09%	0.016%
34	11.150	1907	1914	1929	rBV3	746	1620	0.16%	0.028%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83692.D
Acq On : 27 Dec 2013 6:14 pm
Operator : jaclynb
Sample : mc27399-4
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

35	11.291	1939	1954	1955	rVB3	883	1444	0.15%	0.025%
36	11.327	1955	1964	1967	rBV3	718	940	0.09%	0.016%
37	11.493	2007	2011	2017	rVB3	761	863	0.09%	0.015%
38	11.546	2017	2026	2027	rBV2	994	944	0.09%	0.016%
39	11.617	2035	2046	2053	rBV3	1299	2214	0.22%	0.039%
40	11.754	2079	2085	2095	rBV5	1654	2130	0.21%	0.037%
41	11.878	2107	2120	2137	rBV	516583	995654	100.00%	17.361%
42	11.952	2137	2141	2161	rVV4	23881	44369	4.46%	0.774%
43	12.076	2165	2176	2195	rVB5	3334	8274	0.83%	0.144%
44	12.179	2203	2205	2215	rBV3	1319	1708	0.17%	0.030%
45	12.285	2219	2235	2277	rVV4	53980	129278	12.98%	2.254%
46	12.444	2277	2280	2299	rVV4	1216	2210	0.22%	0.039%
47	12.543	2299	2308	2331	rVB4	977	2909	0.29%	0.051%
48	12.730	2355	2361	2371	rVB2	622	920	0.09%	0.016%
49	12.780	2371	2375	2383	rVB2	782	843	0.08%	0.015%
50	12.840	2383	2392	2403	rBV2	574	1695	0.17%	0.030%
51	12.935	2415	2419	2431	rVB3	401	736	0.07%	0.013%
52	13.027	2431	2445	2457	rVB3	1199	2114	0.21%	0.037%
53	13.264	2499	2512	2515	rVB2	915	1110	0.11%	0.019%
54	13.338	2515	2533	2573	rBV	432135	832714	83.63%	14.520%
55	13.487	2573	2575	2583	rVV	853	1210	0.12%	0.021%
56	13.550	2583	2593	2611	rVB3	3640	6626	0.67%	0.116%
57	13.727	2625	2643	2665	rBV3	21079	47142	4.73%	0.822%
58	13.946	2697	2705	2731	rBV5	7668	16972	1.70%	0.296%
59	14.141	2751	2760	2781	rVB3	8781	15026	1.51%	0.262%
60	14.342	2807	2817	2821	rVB2	785	1252	0.13%	0.022%
61	14.381	2821	2828	2831	rBV	608	752	0.08%	0.013%
62	14.420	2831	2839	2843	rBV2	603	908	0.09%	0.016%
63	14.462	2843	2851	2855	rBV3	783	1120	0.11%	0.020%
64	14.561	2863	2879	2911	rVB2	350538	647470	65.03%	11.290%
65	14.788	2937	2943	2945	rBV2	671	754	0.08%	0.013%
66	14.954	2985	2990	3001	rVB4	1632	2258	0.23%	0.039%
67	15.060	3005	3020	3045	rVB2	5082	13895	1.40%	0.242%
68	15.180	3045	3054	3057	rBV3	1120	1457	0.15%	0.025%
69	15.230	3057	3068	3079	rBV3	5137	9172	0.92%	0.160%
70	15.417	3107	3121	3139	rVB6	15737	31009	3.11%	0.541%
71	15.488	3139	3141	3149	rVB3	1191	1330	0.13%	0.023%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83692.D
Acq On : 27 Dec 2013 6:14 pm
Operator : jaclynb
Sample : mc27399-4
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

72	15.527	3149	3152	3157	rBV3	707	847	0.09%	0.015%
73	15.583	3157	3168	3169	rBV3	929	1340	0.13%	0.023%
74	15.626	3169	3180	3199	rVB4	9793	17850	1.79%	0.311%
75	15.820	3201	3235	3241	rVB6	1173	4855	0.49%	0.085%
76	15.894	3241	3256	3301	rBV2	446756	790785	79.42%	13.789%
77	16.082	3305	3309	3325	rVB5	1859	3002	0.30%	0.052%
78	16.251	3349	3357	3373	rBV3	1489	3276	0.33%	0.057%
79	16.333	3373	3380	3459	rVV7	2961	13807	1.39%	0.241%
80	16.718	3481	3489	3559	rVB7	6101	19370	1.95%	0.338%

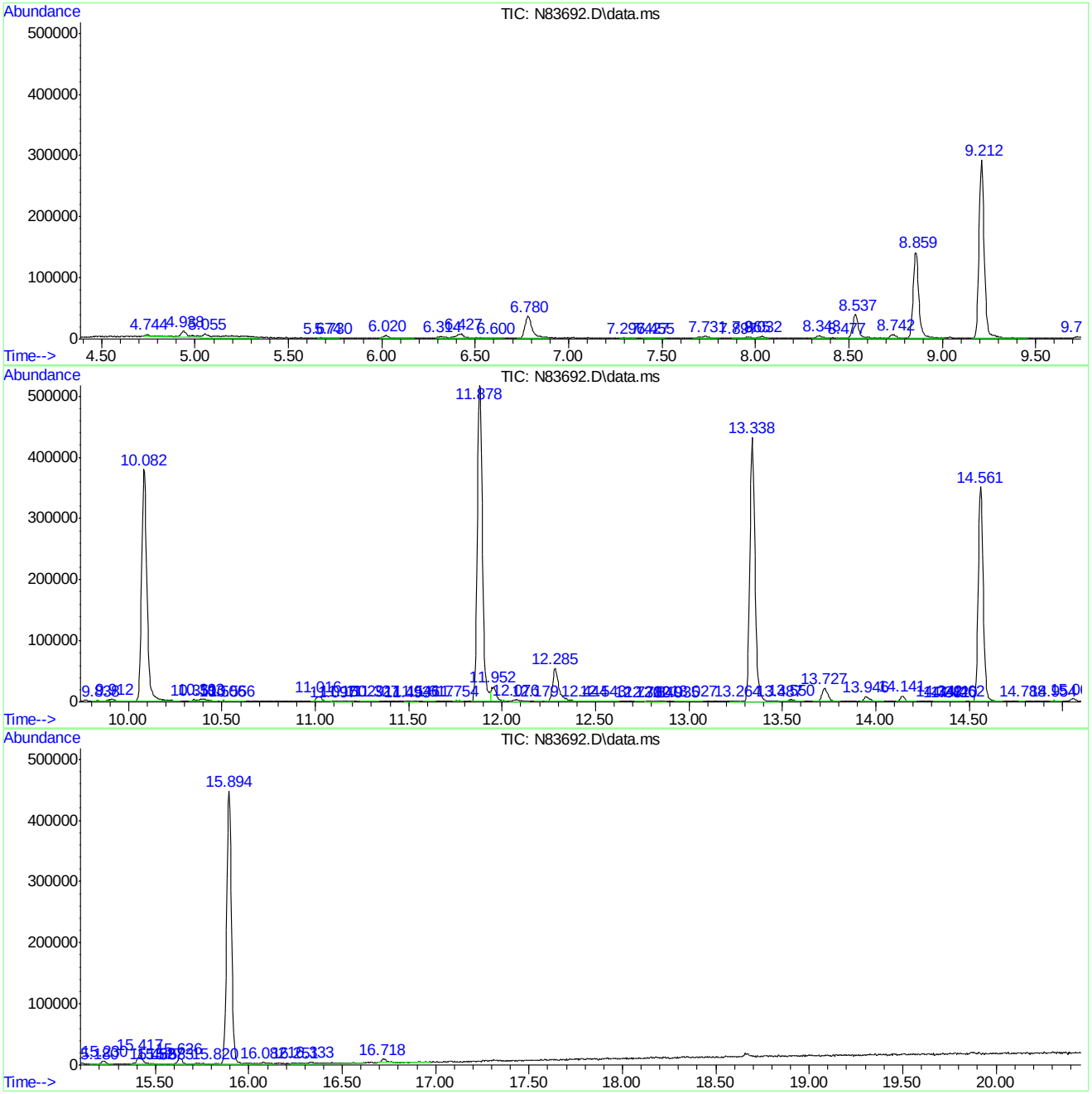
Sum of corrected areas: 5735092

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\N131227\
Data File : N83692.D
Acq On : 27 Dec 2013 6:14 pm
Operator : jaclynb
Sample : mc27399-4
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83692.D
Acq On : 27 Dec 2013 6:14 pm
Operator : jaclynb
Sample : mc27399-4
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

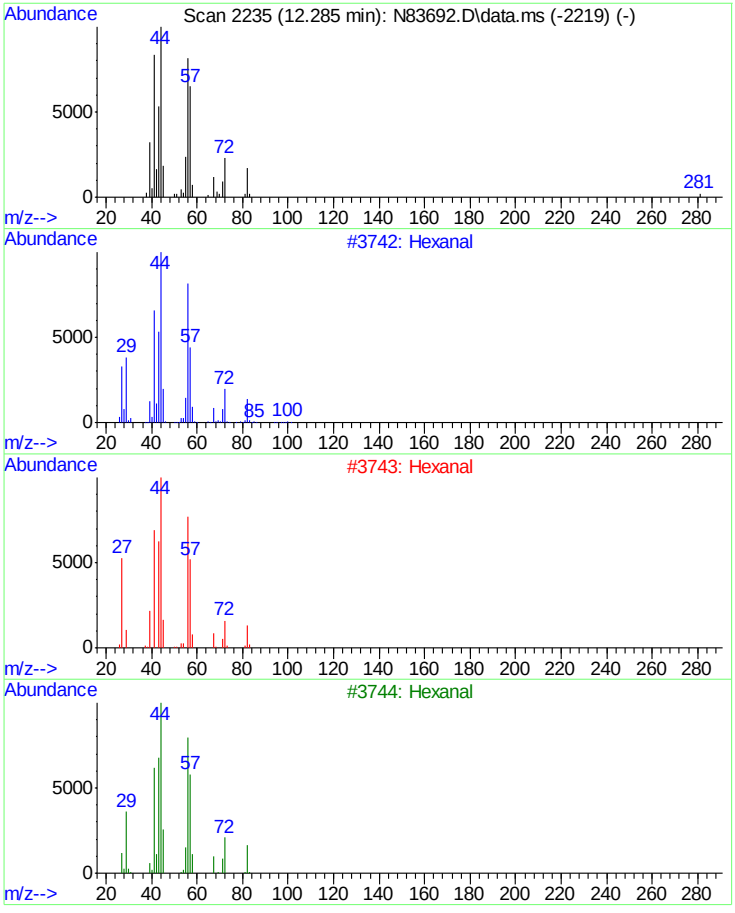
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

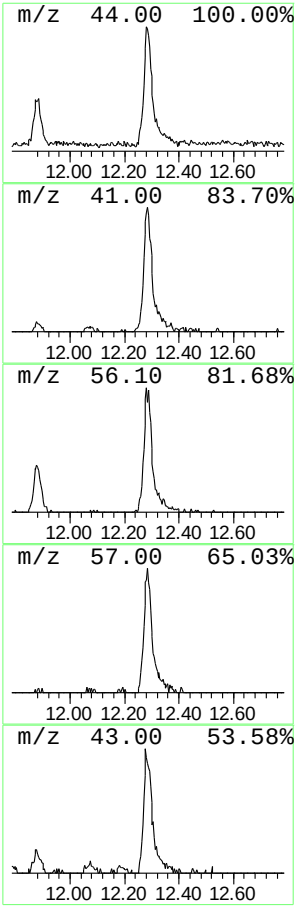
****

Peak Number 4 Hexanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.285	7.76 ug/L	129278	chlorobenzene-d5	13.338

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	83
2	Hexanal	100	C6H12O	000066-25-1	78
3	Hexanal	100	C6H12O	000066-25-1	74
4	Cyclobutanol, 2-ethyl-	100	C6H12O	035301-43-0	39
5	Hexanal	100	C6H12O	000066-25-1	38





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\N131227\
Data File : N83692.D
Acq On : 27 Dec 2013 6:14 pm
Operator : jaclynb
Sample : mc27399-4
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexanal	12.285	7.8	ug/L	129278	4	13.338	832714	50.0

7.1.8

7

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83678.D
Acq On : 27 Dec 2013 11:45 am
Operator : jaclynb
Sample : mc27399-5
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 27 12:09:22 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

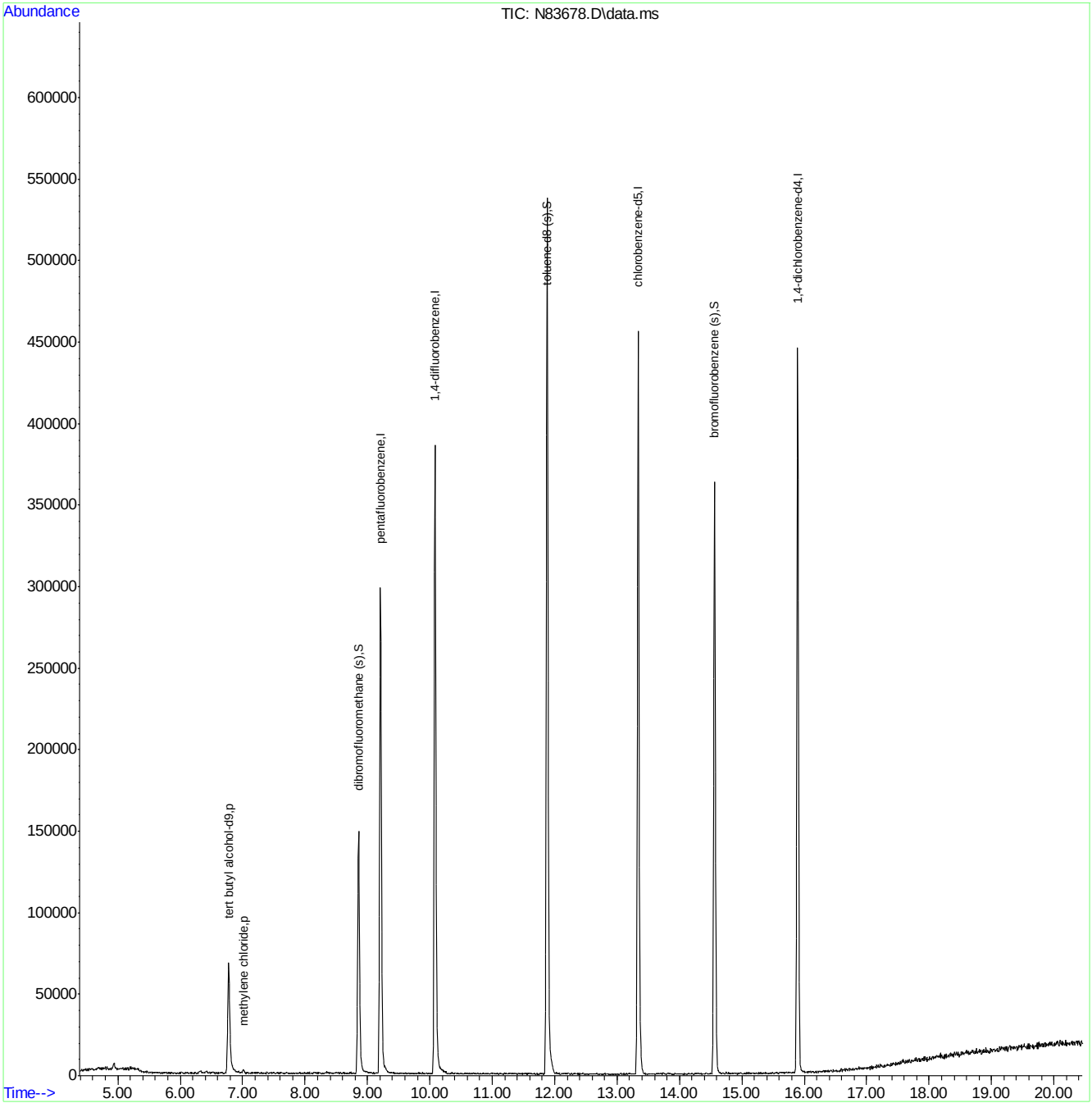
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.773	65	103510	500.00	ug/L	0.00
4) pentafluorobenzene	9.209	168	215524	50.00	ug/L	0.00
43) 1,4-difluorobenzene	10.082	114	319847	50.00	ug/L	0.00
66) chlorobenzene-d5	13.338	82	167203	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.894	152	127738	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.856	113	95439	45.31	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.62%			
60) toluene-d8 (s)	11.878	98	387415	50.16	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.32%			
82) bromofluorobenzene (s)	14.562	95	141540	52.43	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.86%			
Target Compounds						Qvalue
16) acetone	6.402	58	343	Below Cal	#	1
18) methylene chloride	7.010	84	762	0.30	ug/L #	49

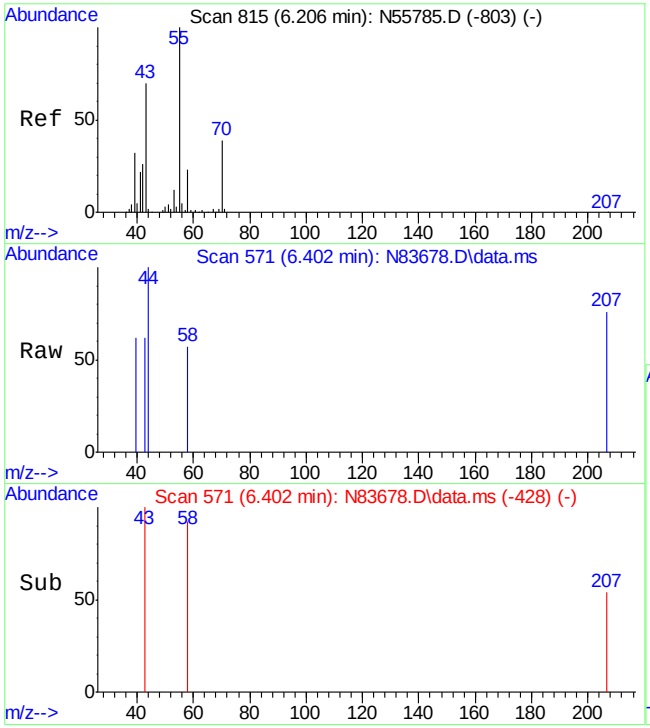
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83678.D
Acq On : 27 Dec 2013 11:45 am
Operator : jaclynb
Sample : mc27399-5
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 27 12:09:22 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

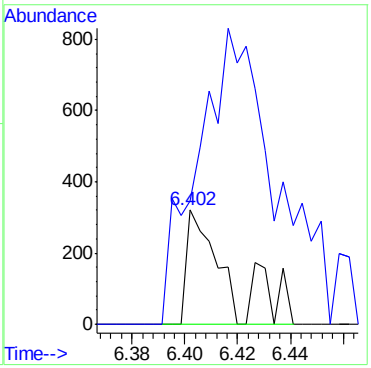


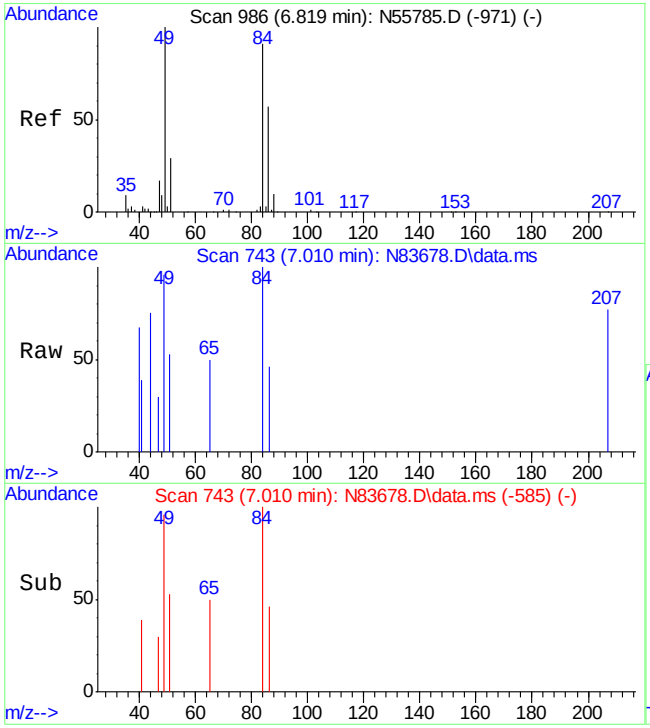


#16
acetone
Concen: Below Cal
RT: 6.402 min Scan# 571
Delta R.T. 0.004 min
Lab File: N83678.D
Acq: 27 Dec 2013 11:45 am

Tgt Ion: 58 Resp: 343

Ion	Ratio	Lower	Upper
58	100		
43	108.7	319.3	379.3#

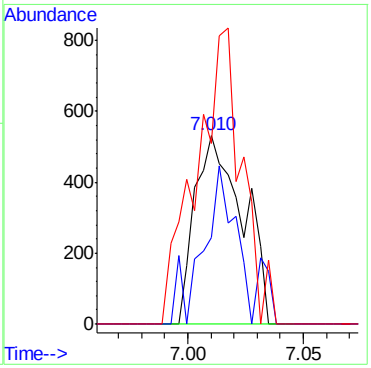




#18
methylene chloride
Concen: 0.30 ug/L
RT: 7.010 min Scan# 743
Delta R.T. 0.000 min
Lab File: N83678.D
Acq: 27 Dec 2013 11:45 am

Tgt Ion: 84 Resp: 762

Ion	Ratio	Lower	Upper
84	100		
86	46.0	32.6	92.6
49	95.9	153.7	213.7#



LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83678.D
Acq On : 27 Dec 2013 11:45 am
Operator : jaclynb
Sample : mc27399-5
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

Signal : TIC: N83678.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.942	149	158	367	rVB6	6954	105882	10.30%	1.933%
2	5.826	367	408	415	rBV3	1097	5695	0.55%	0.104%
3	5.988	439	454	479	rVB3	969	3523	0.34%	0.064%
4	6.247	521	527	539	rBV3	747	1127	0.11%	0.021%
5	6.310	539	545	567	rVV4	1720	4560	0.44%	0.083%
6	6.416	567	575	601	rVV4	1372	4836	0.47%	0.088%
7	6.554	601	614	615	rVB3	830	1185	0.12%	0.022%
8	6.777	659	677	725	rBV2	67958	178907	17.41%	3.266%
9	7.014	737	744	777	rVB7	2520	6362	0.62%	0.116%
10	7.144	777	781	805	rBV4	1007	2467	0.24%	0.045%
11	7.593	847	908	911	rBV4	1112	6022	0.59%	0.110%
12	7.703	933	939	947	rVB3	1187	1786	0.17%	0.033%
13	7.859	977	983	991	rVB4	627	1070	0.10%	0.020%
14	8.042	1033	1035	1039	rBV3	916	660	0.06%	0.012%
15	8.177	1055	1073	1103	rVB4	956	4640	0.45%	0.085%
16	8.311	1103	1111	1115	rBV3	630	990	0.10%	0.018%
17	8.346	1115	1121	1133	rVB4	1644	2206	0.21%	0.040%
18	8.562	1179	1182	1189	rBV3	793	685	0.07%	0.013%
19	8.629	1189	1201	1213	rVB4	1017	2144	0.21%	0.039%
20	8.735	1213	1231	1251	rVB4	1252	4451	0.43%	0.081%
21	8.859	1251	1266	1351	rBV3	149012	319278	31.07%	5.829%
22	9.209	1351	1365	1425	rVB2	297953	593422	57.75%	10.834%
23	9.510	1435	1450	1457	rVB4	924	2567	0.25%	0.047%
24	9.549	1457	1461	1465	rBV4	871	921	0.09%	0.017%
25	9.743	1497	1516	1521	rBV3	625	1582	0.15%	0.029%
26	9.838	1541	1543	1551	rBB2	828	711	0.07%	0.013%
27	9.934	1559	1570	1587	rVB3	693	1243	0.12%	0.023%
28	10.008	1587	1591	1595	rVB3	641	423	0.04%	0.008%
29	10.082	1595	1612	1681	rVB	385750	766004	74.54%	13.985%
30	10.358	1681	1690	1709	rVB3	1110	2519	0.25%	0.046%
31	10.457	1709	1718	1719	rBV2	793	831	0.08%	0.015%
32	10.687	1781	1783	1801	rBV3	694	1137	0.11%	0.021%
33	10.849	1809	1829	1833	rBV3	663	886	0.09%	0.016%
34	10.899	1833	1843	1849	rVB2	452	745	0.07%	0.014%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83678.D
Acq On : 27 Dec 2013 11:45 am
Operator : jaclynb
Sample : mc27399-5
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

35	11.040	1879	1883	1899	rVB2	900	2283	0.22%	0.042%
36	11.122	1899	1906	1923	rBV3	922	1892	0.18%	0.035%
37	11.189	1923	1925	1931	rBV2	822	771	0.08%	0.014%
38	11.217	1931	1933	1943	rVV2	590	599	0.06%	0.011%
39	11.334	1959	1966	1971	rBV2	598	426	0.04%	0.008%
40	11.443	1993	1997	2007	rVB3	1256	1727	0.17%	0.032%
41	11.489	2007	2010	2021	rBV2	790	1551	0.15%	0.028%
42	11.557	2025	2029	2039	rVB4	737	953	0.09%	0.017%
43	11.673	2057	2062	2075	rVB2	771	1745	0.17%	0.032%
44	11.744	2079	2082	2085	rVB2	646	478	0.05%	0.009%
45	11.765	2085	2088	2091	rBV2	915	587	0.06%	0.011%
46	11.882	2107	2121	2157	rBV	537566	1027594	100.00%	18.761%
47	12.023	2157	2161	2173	rVV5	1488	2550	0.25%	0.047%
48	12.076	2173	2176	2181	rVB2	984	965	0.09%	0.018%
49	12.143	2189	2195	2201	rVB2	598	614	0.06%	0.011%
50	12.267	2225	2230	2235	rBV2	834	775	0.08%	0.014%
51	12.313	2237	2243	2251	rVV2	744	976	0.09%	0.018%
52	12.363	2255	2257	2267	rVB2	966	749	0.07%	0.014%
53	12.447	2277	2281	2289	rBV2	638	659	0.06%	0.012%
54	12.550	2297	2310	2315	rBV2	599	990	0.10%	0.018%
55	12.624	2329	2331	2343	rBV3	482	708	0.07%	0.013%
56	12.748	2351	2366	2367	rVB2	512	781	0.08%	0.014%
57	12.805	2377	2382	2385	rVB2	680	520	0.05%	0.009%
58	12.836	2389	2391	2405	rVV2	629	904	0.09%	0.017%
59	12.893	2405	2407	2419	rVV2	670	710	0.07%	0.013%
60	12.942	2419	2421	2423	rVB	509	251	0.02%	0.005%
61	13.017	2437	2442	2443	rVB	462	253	0.02%	0.005%
62	13.059	2447	2454	2459	rBV2	804	585	0.06%	0.011%
63	13.151	2471	2480	2483	rBV2	613	746	0.07%	0.014%
64	13.176	2483	2487	2489	rBV3	558	322	0.03%	0.006%
65	13.193	2489	2492	2509	rVV2	606	1003	0.10%	0.018%
66	13.282	2509	2517	2519	rVV2	404	456	0.04%	0.008%
67	13.338	2519	2533	2579	rVV2	455850	876694	85.32%	16.006%
68	13.550	2587	2593	2603	rBV3	533	810	0.08%	0.015%
69	13.600	2603	2607	2611	rVB2	426	261	0.03%	0.005%
70	13.635	2611	2617	2623	rBB2	583	690	0.07%	0.013%
71	13.724	2623	2642	2643	rVB2	747	1503	0.15%	0.027%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83678.D
Acq On : 27 Dec 2013 11:45 am
Operator : jaclynb
Sample : mc27399-5
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

72	13.734	2643	2645	2655	rBV2	708	1088	0.11%	0.020%
73	13.823	2655	2670	2673	rVB2	626	814	0.08%	0.015%
74	13.847	2673	2677	2683	rBV2	551	568	0.06%	0.010%
75	13.925	2697	2699	2709	rBV2	620	687	0.07%	0.013%
76	14.081	2739	2743	2753	rVB4	639	875	0.09%	0.016%
77	14.148	2753	2762	2771	rVV2	727	1285	0.13%	0.023%
78	14.201	2771	2777	2783	rVB	768	841	0.08%	0.015%
79	14.342	2815	2817	2839	rBV2	514	956	0.09%	0.017%
80	14.494	2849	2860	2865	rBV3	425	542	0.05%	0.010%
81	14.562	2865	2879	2913	rVB2	363282	676976	65.88%	12.360%
82	14.692	2913	2916	2921	rBV2	652	707	0.07%	0.013%
83	14.749	2921	2932	2939	rBV3	1408	2533	0.25%	0.046%
84	14.848	2955	2960	2979	rVB4	905	2468	0.24%	0.045%
85	14.929	2979	2983	2987	rVB2	871	701	0.07%	0.013%
86	14.979	2991	2997	3013	rVB3	914	1499	0.15%	0.027%
87	15.053	3013	3018	3019	rBV2	714	417	0.04%	0.008%
88	15.078	3019	3025	3029	rBV3	834	545	0.05%	0.010%
89	15.113	3033	3035	3041	rBV2	854	597	0.06%	0.011%
90	15.378	3091	3110	3123	rBV3	1089	3770	0.37%	0.069%
91	15.555	3139	3160	3169	rBV4	864	2830	0.28%	0.052%
92	15.760	3195	3218	3239	rBV5	1199	6051	0.59%	0.110%
93	15.894	3239	3256	3303	rVB	445239	798086	77.67%	14.571%
94	16.142	3303	3326	3335	rBV5	1343	4941	0.48%	0.090%

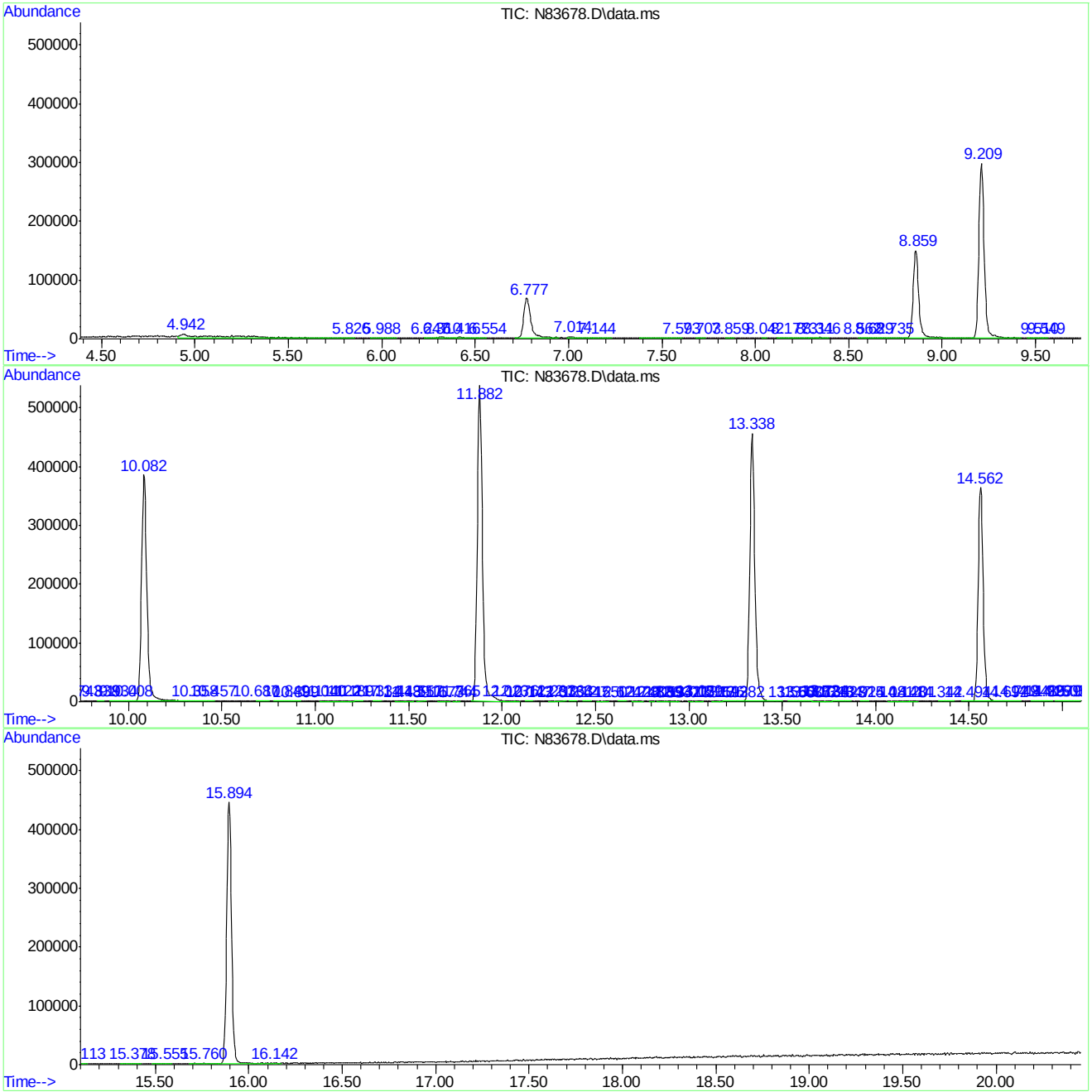
Sum of corrected areas: 5477325

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\N131227\
Data File : N83678.D
Acq On : 27 Dec 2013 11:45 am
Operator : jaclynb
Sample : mc27399-5
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83678.D
Acq On : 27 Dec 2013 11:45 am
Operator : jaclynb
Sample : mc27399-5
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\N131227\
Data File : N83678.D
Acq On : 27 Dec 2013 11:45 am
Operator : jaclynb
Sample : mc27399-5
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83675.D
Acq On : 27 Dec 2013 10:22 am
Operator : jaclynb
Sample : mb
Misc : ms30887,MSN3123,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 27 10:58:22 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

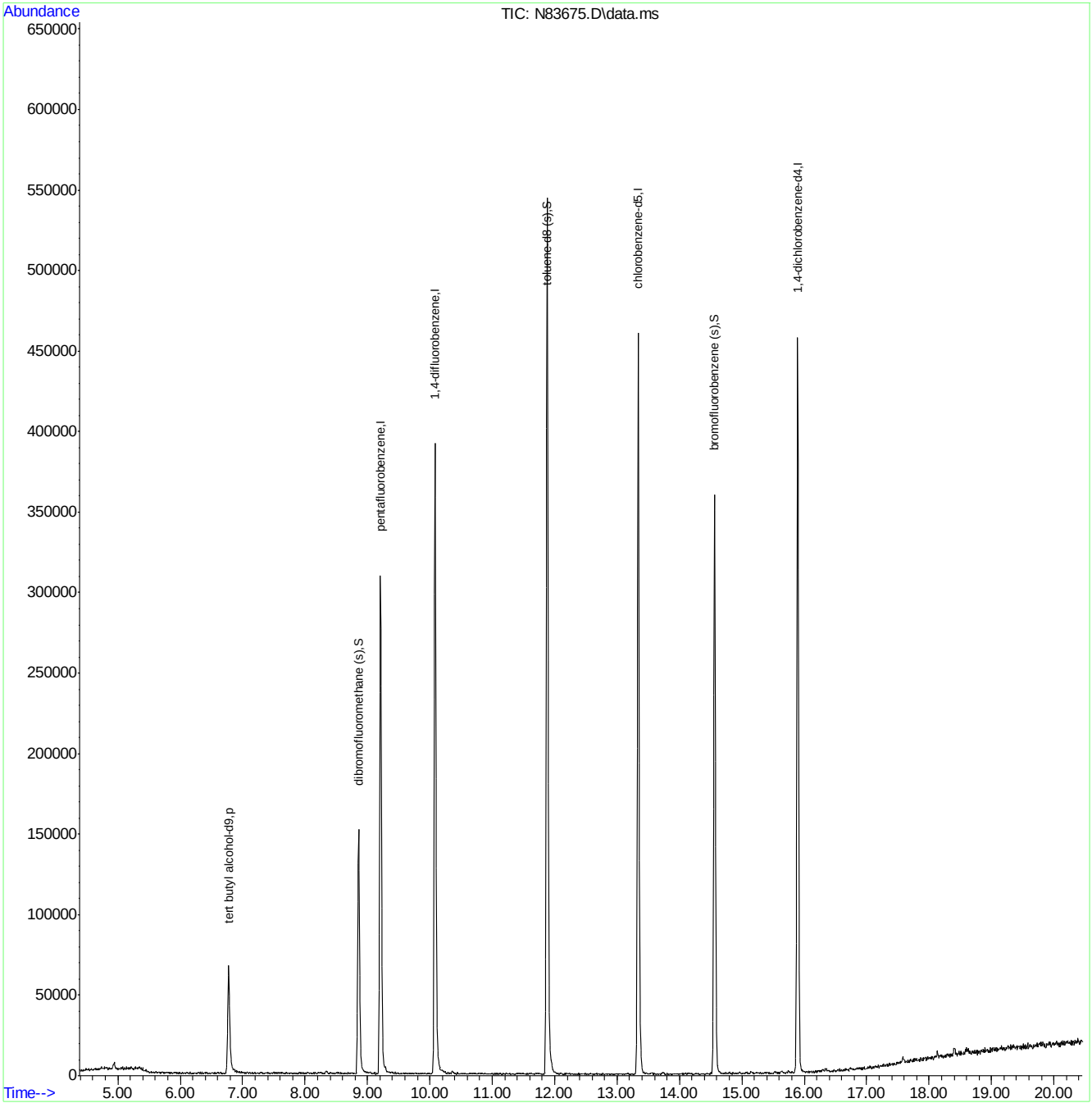
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.773	65	96565	500.00	ug/L	0.00
4) pentafluorobenzene	9.209	168	221366	50.00	ug/L	0.00
43) 1,4-difluorobenzene	10.086	114	326926	50.00	ug/L	0.00
66) chlorobenzene-d5	13.338	82	166892	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	15.894	152	130011	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.859	113	96286	44.50	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.00%			
60) toluene-d8 (s)	11.882	98	392563	49.72	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.44%			
82) bromofluorobenzene (s)	14.561	95	140642	51.19	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.38%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83675.D
Acq On : 27 Dec 2013 10:22 am
Operator : jaclynb
Sample : mb
Misc : ms30887,MSN3123,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 27 10:58:22 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC27399

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83675.D
Acq On : 27 Dec 2013 10:22 am
Operator : jaclynb
Sample : mb
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

Signal : TIC: N83675.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.945	149	159	377	rVB6	6813	101445	9.69%	1.824%
2	6.158	497	502	519	rVB3	1113	1917	0.18%	0.034%
3	6.345	549	555	567	rBV3	984	1808	0.17%	0.032%
4	6.554	609	614	639	rBV4	1228	2579	0.25%	0.046%
5	6.649	639	641	661	rVV4	657	877	0.08%	0.016%
6	6.777	661	677	733	rVV2	66979	171149	16.34%	3.076%
7	7.112	767	772	777	rBV3	1252	1314	0.13%	0.024%
8	7.151	779	783	801	rVB4	990	2074	0.20%	0.037%
9	7.286	817	821	867	rVB3	1081	4054	0.39%	0.073%
10	7.498	877	881	891	rBV3	906	1473	0.14%	0.026%
11	7.632	913	919	931	rVB4	680	988	0.09%	0.018%
12	7.699	931	938	993	rVB4	846	2928	0.28%	0.053%
13	8.042	1027	1035	1065	rBV4	1022	4865	0.46%	0.087%
14	8.162	1065	1069	1075	rVB3	1149	947	0.09%	0.017%
15	8.343	1109	1120	1131	rVB7	2006	4521	0.43%	0.081%
16	8.859	1253	1266	1325	rVB2	151894	318511	30.41%	5.725%
17	9.120	1327	1340	1343	rVB4	995	1974	0.19%	0.035%
18	9.145	1343	1347	1351	rBV3	838	522	0.05%	0.009%
19	9.209	1351	1365	1413	rBV	309122	610996	58.34%	10.983%
20	9.485	1437	1443	1465	rVB3	997	2975	0.28%	0.053%
21	9.573	1465	1468	1473	rBV2	759	679	0.06%	0.012%
22	9.658	1473	1492	1501	rVB3	1013	2650	0.25%	0.048%
23	9.704	1501	1505	1517	rBV4	988	1735	0.17%	0.031%
24	9.796	1517	1531	1537	rVB4	564	1307	0.12%	0.023%
25	9.824	1537	1539	1555	rBV3	552	1105	0.11%	0.020%
26	9.965	1575	1579	1583	rVB2	795	302	0.03%	0.005%
27	9.994	1583	1587	1597	rVV3	820	727	0.07%	0.013%
28	10.086	1597	1613	1683	rVV	391664	773200	73.83%	13.899%
29	10.354	1683	1689	1707	rVB5	2185	4804	0.46%	0.086%
30	10.446	1707	1715	1723	rBV2	1170	1650	0.16%	0.030%
31	10.733	1791	1796	1809	rBV4	682	1591	0.15%	0.029%
32	10.793	1809	1813	1825	rBV3	674	1029	0.10%	0.018%
33	10.994	1865	1870	1877	rVB4	728	1034	0.10%	0.019%
34	11.033	1877	1881	1885	rVB4	979	1014	0.10%	0.018%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83675.D
Acq On : 27 Dec 2013 10:22 am
Operator : jaclynb
Sample : mb
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

35	11.072	1885	1892	1893	rBV2	1061	1177	0.11%	0.021%
36	11.111	1893	1903	1915	rVB3	959	2981	0.28%	0.054%
37	11.217	1915	1933	1955	rBV3	1020	5131	0.49%	0.092%
38	11.500	1997	2013	2027	rVB2	965	2538	0.24%	0.046%
39	11.595	2033	2040	2043	rBV2	897	996	0.10%	0.018%
40	11.882	2105	2121	2167	rBV	544094	1047270	100.00%	18.825%
41	12.058	2167	2171	2175	rVB3	855	680	0.06%	0.012%
42	12.104	2175	2184	2193	rVB3	1007	2273	0.22%	0.041%
43	12.161	2193	2200	2205	rVB2	970	1308	0.12%	0.024%
44	12.193	2205	2209	2215	rBV2	895	1145	0.11%	0.021%
45	12.260	2225	2228	2257	rVB3	605	2362	0.23%	0.042%
46	12.387	2257	2264	2277	rBV3	961	1304	0.12%	0.023%
47	12.447	2277	2281	2285	rBV2	427	403	0.04%	0.007%
48	12.578	2299	2318	2323	rBV2	652	1253	0.12%	0.023%
49	12.673	2341	2345	2347	rVB2	832	499	0.05%	0.009%
50	12.772	2359	2373	2383	rBV2	755	1224	0.12%	0.022%
51	13.062	2443	2455	2461	rBV3	622	1103	0.11%	0.020%
52	13.091	2461	2463	2479	rVV2	560	796	0.08%	0.014%
53	13.165	2481	2484	2501	rVV2	790	1208	0.12%	0.022%
54	13.243	2501	2506	2509	rVB2	444	483	0.05%	0.009%
55	13.338	2515	2533	2579	rBV	460301	880685	84.09%	15.831%
56	13.515	2579	2583	2587	rVV2	585	543	0.05%	0.010%
57	13.557	2587	2595	2615	rVB3	1072	2684	0.26%	0.048%
58	13.738	2633	2646	2659	rBV4	1482	3367	0.32%	0.061%
59	13.805	2659	2665	2673	rVV2	774	717	0.07%	0.013%
60	13.861	2673	2681	2689	rVB2	498	712	0.07%	0.013%
61	13.904	2689	2693	2717	rBV2	533	1616	0.15%	0.029%
62	14.091	2735	2746	2753	rBV2	999	1801	0.17%	0.032%
63	14.137	2753	2759	2771	rVV3	1157	1898	0.18%	0.034%
64	14.201	2771	2777	2779	rVB3	712	457	0.04%	0.008%
65	14.264	2791	2795	2799	rBV2	750	390	0.04%	0.007%
66	14.335	2809	2815	2817	rBV2	646	619	0.06%	0.011%
67	14.441	2835	2845	2849	rBV2	608	958	0.09%	0.017%
68	14.494	2857	2860	2863	rBV3	1062	733	0.07%	0.013%
69	14.561	2863	2879	2917	rVB	359502	675752	64.53%	12.147%
70	14.742	2925	2930	2941	rVB3	1241	1501	0.14%	0.027%
71	14.795	2941	2945	2959	rVB4	1164	2291	0.22%	0.041%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83675.D
Acq On : 27 Dec 2013 10:22 am
Operator : jaclynb
Sample : mb
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 700 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\n131125w.m
Title : SW-846 Method 8260

72	14.890	2967	2972	2979	rBV4	825	1210	0.12%	0.022%
73	14.957	2985	2991	3019	rVB4	1356	3553	0.34%	0.064%
74	15.074	3019	3024	3039	rVB3	1296	2462	0.24%	0.044%
75	15.145	3039	3044	3059	rVB5	1770	2950	0.28%	0.053%
76	15.237	3059	3070	3115	rBV4	1239	8055	0.77%	0.145%
77	15.438	3115	3127	3133	rVB4	1081	1952	0.19%	0.035%
78	15.498	3133	3144	3145	rBV3	767	971	0.09%	0.017%
79	15.534	3145	3154	3175	rBV5	1578	3054	0.29%	0.055%
80	15.640	3179	3184	3201	rVB4	1453	3009	0.29%	0.054%
81	15.746	3201	3214	3239	rBV6	1906	5713	0.55%	0.103%
82	15.894	3239	3256	3291	rBV2	457144	824979	78.77%	14.829%
83	16.304	3363	3372	3377	rBV7	1591	2987	0.29%	0.054%
84	16.336	3377	3381	3487	rVB6	2368	18614	1.78%	0.335%

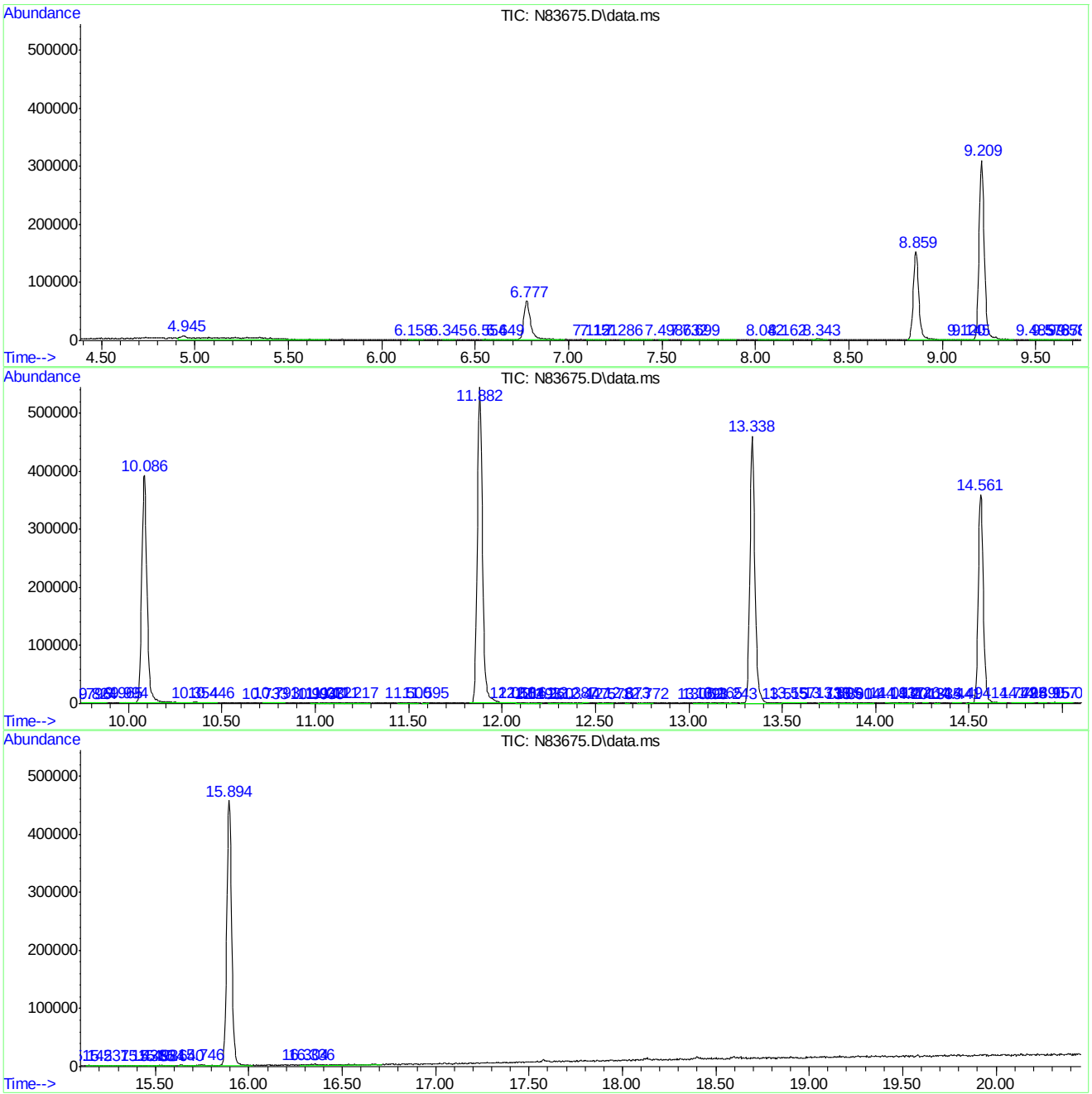
Sum of corrected areas: 5563111

LSC Report - Integrated Chromatogram

```
Data Path : C:\msdchem\1\data\N131227\
Data File : N83675.D
Acq On    : 27 Dec 2013  10:22 am
Operator  : jaclynb
Sample    : mb
Misc      : ms30889,MSN3123,,,,5,1
ALS Vial  : 19   Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title  : SW-846 Method 8260

TIC Library   : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p
```



Library Search Compound Report

Data Path : C:\msdchem\1\data\N131227\
Data File : N83675.D
Acq On : 27 Dec 2013 10:22 am
Operator : jaclynb
Sample : mb
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\N131227\
Data File : N83675.D
Acq On : 27 Dec 2013 10:22 am
Operator : jaclynb
Sample : mb
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83672.D
Acq On : 27 Dec 2013 8:58 am
Operator : jaclynb
Sample : bs
Misc : ms30887,MSN3123,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 27 09:23:25 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.766	65	112119	500.00	ug/L		0.00
4) pentafluorobenzene	9.209	168	236117	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	361886	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	194477	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.891	152	164606	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.856	113	105663	45.79	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.58%				
60) toluene-d8 (s)	11.878	98	433993	49.66	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.32%				
82) bromofluorobenzene (s)	14.558	95	167867	48.26	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.52%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.855	59	147599	497.40	ug/L		90
3) Ethanol	5.617	45	208647	4717.48	ug/L		98
5) dichlorodifluoromethane	4.426	85	144120	43.80	ug/L		97
6) chloromethane	4.684	50	177712	55.16	ug/L		99
7) vinyl chloride	4.935	62	162013	40.90	ug/L		100
8) bromomethane	5.451	96	72276	50.56	ug/L		99
9) chloroethane	5.617	64	91698	53.70	ug/L		97
10) ethyl ether	6.512	59	119292	49.12	ug/L		94
12) trichlorofluoromethane	6.278	101	190731	42.55	ug/L		96
13) freon-113	7.049	101	122850	49.09	ug/L		94
14) acrolein	6.264	56	25204	45.67	ug/L		94
15) 1,1-dichloroethene	6.862	96	110995	57.49	ug/L		98
16) acetone	6.399	58	12658	39.52	ug/L	#	80
17) Methyl Acetate	7.038	43	175228	43.90	ug/L		98
18) methylene chloride	7.010	84	131842	47.13	ug/L	#	84
19) methyl tert butyl ether	7.795	73	240059	41.15	ug/L		96
20) acrylonitrile	6.915	53	115439	109.96	ug/L		97
21) allyl chloride	7.106	41	225249	56.12	ug/L		97
22) trans-1,2-dichloroethene	7.707	96	120005	46.76	ug/L		94
23) iodomethane	6.925	142	102952	42.74	ug/L		95
24) carbon disulfide	7.297	76	385041	48.78	ug/L		99
25) propionitrile	6.840	54	3184	75.19	ug/L		100
26) vinyl acetate	7.038	43	175228	43.90	ug/L		94
27) chloroprene	8.325	53	226438	54.46	ug/L		88
28) di-isopropyl ether	8.354	45	488922	49.96	ug/L		94
29) methacrylonitrile	8.481	41	92205	54.35	ug/L		99
30) 2-butanone	8.368	72	13973	47.30	ug/L	#	44
31) Hexane	8.339	41	225427	51.84	ug/L	#	85
32) 1,1-dichloroethane	7.961	63	254493	47.09	ug/L		98
33) tert-butyl ethyl ether	8.750	59	252990	42.06	ug/L		94
34) isobutyl alcohol	8.347	43	415718	252.21	ug/L		57
35) 2,2-dichloropropane	8.820	77	157831	52.40	ug/L		99
36) cis-1,2-dichloroethene	8.530	96	129546	44.72	ug/L		97
37) ethyl acetate	8.347	43	415718	50.05	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83672.D
Acq On : 27 Dec 2013 8:58 am
Operator : jaclynb
Sample : bs
Misc : ms30887,MSN3123,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 27 09:23:25 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.697	128	59076	48.09	ug/L		93
39) chloroform	8.735	83	222787	44.68	ug/L		96
41) Tetrahydrofuran	9.061	42	41208	53.81	ug/L		91
42) 1,1,1-trichloroethane	9.488	97	182651	50.35	ug/L		97
44) Cyclohexane	9.768	56	259996	52.81	ug/L		95
45) carbon tetrachloride	9.853	117	152955	51.62	ug/L		100
46) 1,1-dichloropropene	9.662	75	176727	52.25	ug/L		95
47) benzene	9.888	78	509844	46.39	ug/L		99
48) 1,2-dichloroethane	9.389	62	176972	45.13	ug/L		98
49) tert-amyl methyl ether	9.998	73	185633	40.28	ug/L		92
50) heptane	10.347	43	188519	54.41	ug/L		90
51) trichloroethene	10.503	95	136732	48.15	ug/L		95
52) 1,2-dichloropropane	10.471	63	149732	48.59	ug/L		100
53) dibromomethane	10.446	93	78869	47.25	ug/L		90
54) bromodichloromethane	10.560	83	174346	46.00	ug/L		99
55) Methylcyclohexane	11.016	83	241618	51.27	ug/L		95
57) methyl methacrylate	10.644	69	84651	51.82	ug/L		88
58) 1,4-dioxane	10.652	88	7329	280.65	ug/L	#	67
59) cis-1,3-dichloropropene	11.171	75	197337	49.05	ug/L		100
61) 4-methyl-2-pentanone	11.260	43	140587	55.21	ug/L		94
62) toluene	11.953	92	304396	48.76	ug/L		97
63) trans-1,3-dichloropropene	11.588	75	175296	52.14	ug/L		99
64) 1,1,2-trichloroethane	11.765	83	103870	48.72	ug/L		97
65) ethyl methacrylate	11.956	69	156448	52.39	ug/L		91
67) tetrachloroethene	12.688	166	133903	46.08	ug/L		96
68) 1,3-dichloropropane	11.998	76	194459	47.80	ug/L		100
69) dibromochloromethane	12.292	129	129793	48.37	ug/L		94
70) 1,2-dibromoethane	12.546	107	115560	48.29	ug/L		97
71) 2-hexanone	12.115	43	98111	57.56	ug/L		96
72) chlorobenzene	13.374	112	323206	45.33	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.285	131	114011	47.10	ug/L		98
74) ethylbenzene	13.543	91	605016	47.67	ug/L		97
75) m,p-xylene	13.724	106	462359	92.88	ug/L		99
76) o-xylene	14.141	106	227748	45.67	ug/L		100
77) styrene	14.067	104	365610	50.69	ug/L		96
78) bromoform	13.893	173	90206	50.20	ug/L		100
79) trans-1,4-dichloro-2-b...	14.286	53	36959	56.48	ug/L	#	60
81) isopropylbenzene	14.498	105	603101	48.51	ug/L		97
83) bromobenzene	14.795	156	141534	48.26	ug/L		99
84) 1,1,2,2-tetrachloroethane	14.137	83	168348	51.54	ug/L		99
85) 1,2,3-trichloropropane	14.286	75	169829	54.67	ug/L		100
86) n-propylbenzene	14.943	91	706971	47.00	ug/L		98
87) 2-chlorotoluene	15.067	91	429408	46.77	ug/L		99
88) 4-chlorotoluene	15.141	91	448067	48.88	ug/L		99
89) 1,3,5-trimethylbenzene	15.219	105	529989	47.55	ug/L		98
90) tert-butylbenzene	15.523	91	312789	48.79	ug/L		97
91) 1,2,4-trimethylbenzene	15.629	105	506914	46.93	ug/L		99
92) sec-butylbenzene	15.742	105	719632	50.30	ug/L		100
93) 1,3-dichlorobenzene	15.852	146	285059	48.07	ug/L		96
94) p-isopropyltoluene	15.916	119	570955	51.86	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83672.D
Acq On : 27 Dec 2013 8:58 am
Operator : jaclynb
Sample : bs
Misc : ms30887,MSN3123,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 27 09:23:25 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

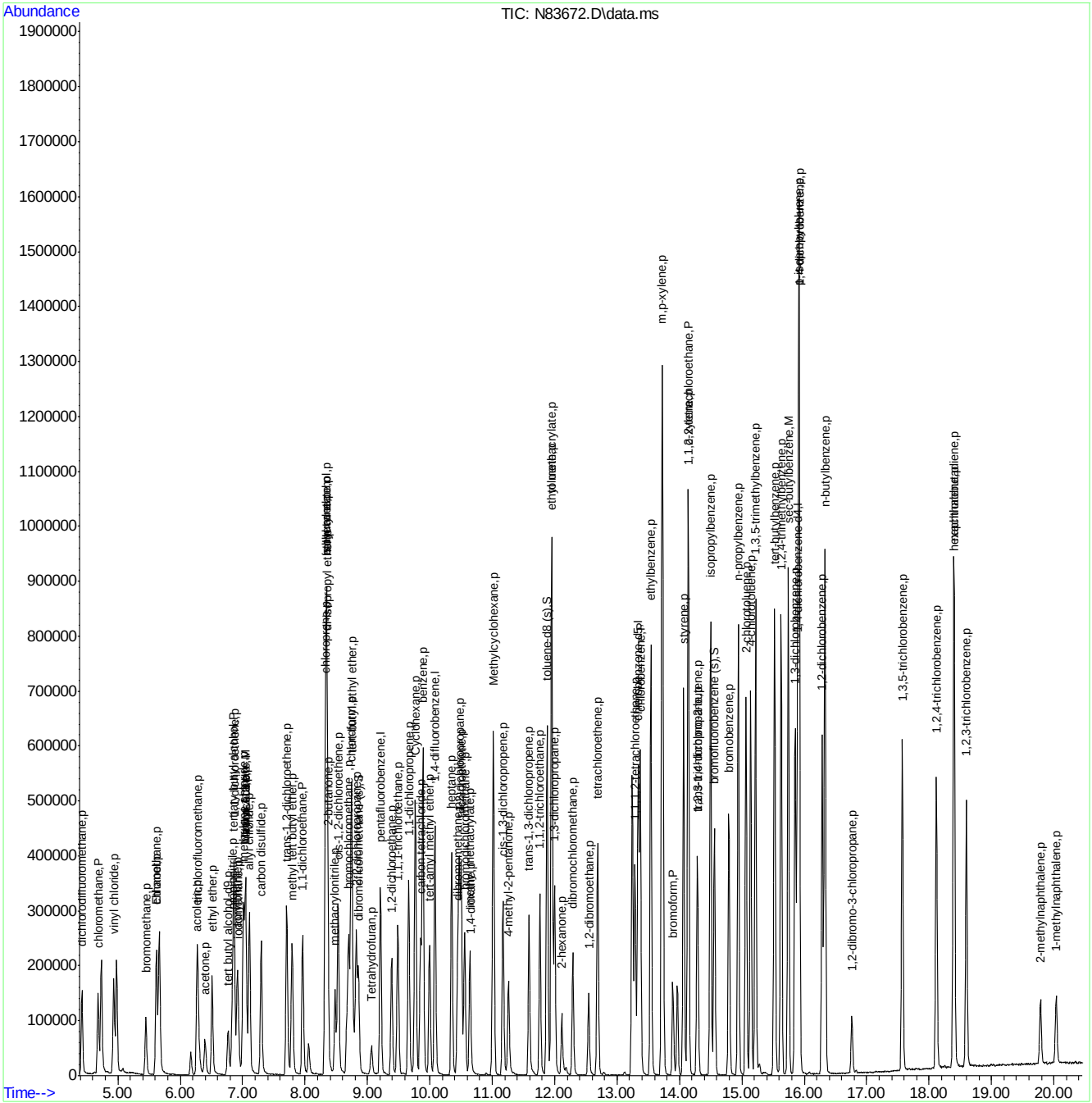
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) 1,4-dichlorobenzene	15.919	146	279874	48.53	ug/L	97
96) 1,2-dichlorobenzene	16.287	146	268577	46.44	ug/L	98
97) n-butylbenzene	16.333	91	587197	54.31	ug/L	100
98) 1,2-dibromo-3-chloropr...	16.761	75	28359	53.49	ug/L	97
99) 1,2,4-trichlorobenzene	18.118	180	187494	57.39	ug/L	97
100) 1,3,5-trichlorobenzene	17.574	180	208607	51.53	ug/L	98
101) hexachlorobutadiene	18.404	225	131997	54.28	ug/L	99
102) naphthalene	18.394	128	423786	63.84	ug/L	100
103) 1,2,3-trichlorobenzene	18.599	180	176520	56.21	ug/L	97
104) 2-methylnaphthalene	19.780	142	68671	29.34	ug/L	99
105) 1-methylnaphthalene	20.038	142	74332	28.98	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83672.D
Acq On : 27 Dec 2013 8:58 am
Operator : jaclynb
Sample : bs
Misc : ms30887,MSN3123,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 27 09:23:25 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC27399

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83696.D
Acq On : 27 Dec 2013 8:05 pm
Operator : jaclynb
Sample : mc27393-29ms
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Dec 30 08:24:15 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.769	65	79375	500.00	ug/L		0.00
4) pentafluorobenzene	9.209	168	231321	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	348920	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	182616	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	160598	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.855	113	102741	45.44	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.88%				
60) toluene-d8 (s)	11.878	98	418935	49.72	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.44%				
82) bromofluorobenzene (s)	14.558	95	159430	46.98	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.96%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.858	59	116218	553.21	ug/L	#	83
3) Ethanol	5.613	45	176041	5622.21	ug/L		99
5) dichlorodifluoromethane	4.422	85	97447	30.23	ug/L		98
6) chloromethane	4.684	50	157211	49.81	ug/L		98
7) vinyl chloride	4.935	62	146179	37.67	ug/L		94
8) bromomethane	5.447	96	65578	46.83	ug/L		99
9) chloroethane	5.621	64	87281	52.18	ug/L		99
10) ethyl ether	6.508	59	110189	46.31	ug/L		95
12) trichlorofluoromethane	6.275	101	171308	39.01	ug/L		97
13) freon-113	7.052	101	117812	48.05	ug/L		97
14) acrolein	6.267	56	20139	37.25	ug/L		94
15) 1,1-dichloroethene	6.865	96	107403	56.68	ug/L		94
16) acetone	6.402	58	12109	38.22	ug/L	#	85
17) Methyl Acetate	7.042	43	136573	34.92	ug/L		97
18) methylene chloride	7.010	84	125035	45.63	ug/L	#	82
19) methyl tert butyl ether	7.795	73	225251	39.41	ug/L		96
20) acrylonitrile	6.914	53	102936	100.08	ug/L		94
21) allyl chloride	7.109	41	213919	54.41	ug/L		93
22) trans-1,2-dichloroethene	7.706	96	116351	46.28	ug/L		94
23) iodomethane	6.925	142	114735	48.02	ug/L		95
24) carbon disulfide	7.296	76	367267	47.49	ug/L		100
25) propionitrile	6.837	54	3020	72.04	ug/L		100
26) vinyl acetate	7.042	43	136573	34.92	ug/L		92
27) chloroprene	8.325	53	218994	53.77	ug/L		89
28) di-isopropyl ether	8.353	45	464764	48.48	ug/L		93
29) methacrylonitrile	8.481	41	76745	46.17	ug/L		91
30) 2-butanone	8.371	72	12134	41.93	ug/L	#	19
31) Hexane	8.339	41	198977	46.71	ug/L	#	83
32) 1,1-dichloroethane	7.961	63	248616	46.96	ug/L		97
33) tert-butyl ethyl ether	8.749	59	226309	39.21	ug/L		94
34) isobutyl alcohol	8.350	43	378553	234.43	ug/L		78
35) 2,2-dichloropropane	8.820	77	135104	46.13	ug/L		99
36) cis-1,2-dichloroethene	8.530	96	124196	43.76	ug/L		93
37) ethyl acetate	8.350	43	378553	46.52	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83696.D
Acq On : 27 Dec 2013 8:05 pm
Operator : jaclynb
Sample : mc27393-29ms
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Dec 30 08:24:15 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.696	128	57574	47.84	ug/L		88
39) chloroform	8.735	83	211892	43.38	ug/L		98
41) Tetrahydrofuran	9.064	42	34889	46.50	ug/L		88
42) 1,1,1-trichloroethane	9.488	97	181146	50.97	ug/L		98
44) Cyclohexane	9.767	56	250934	52.86	ug/L		94
45) carbon tetrachloride	9.849	117	149843	52.44	ug/L		99
46) 1,1-dichloropropene	9.661	75	163269	50.06	ug/L		98
47) benzene	9.891	78	529640	49.98	ug/L		100
48) 1,2-dichloroethane	9.389	62	165620	43.81	ug/L		97
49) tert-amyl methyl ether	9.997	73	163429	36.78	ug/L		92
50) heptane	10.351	43	155483	46.54	ug/L		91
51) trichloroethene	10.503	95	144303	52.70	ug/L		93
52) 1,2-dichloropropane	10.471	63	145201	48.87	ug/L		99
53) dibromomethane	10.450	93	74193	46.10	ug/L		95
54) bromodichloromethane	10.559	83	167577	45.86	ug/L		94
55) Methylcyclohexane	11.019	83	227340	50.04	ug/L		94
57) methyl methacrylate	10.644	69	73045	46.37	ug/L		86
58) 1,4-dioxane	10.651	88	5738	227.89	ug/L		81
59) cis-1,3-dichloropropene	11.174	75	181311	46.74	ug/L		97
61) 4-methyl-2-pentanone	11.263	43	118098	48.10	ug/L		93
62) toluene	11.952	92	297038	49.35	ug/L		97
63) trans-1,3-dichloropropene	11.588	75	155445	47.96	ug/L		95
64) 1,1,2-trichloroethane	11.761	83	96255	46.83	ug/L		96
65) ethyl methacrylate	11.956	69	136463	47.40	ug/L		88
67) tetrachloroethene	12.691	166	129366	47.41	ug/L		92
68) 1,3-dichloropropane	12.002	76	180849	47.34	ug/L		98
69) dibromochloromethane	12.295	129	118526	47.04	ug/L		98
70) 1,2-dibromoethane	12.546	107	107626	47.90	ug/L		98
71) 2-hexanone	12.115	43	80530	50.32	ug/L		95
72) chlorobenzene	13.373	112	306055	45.71	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.285	131	108044	47.53	ug/L		96
74) ethylbenzene	13.543	91	588084	49.34	ug/L		97
75) m,p-xylene	13.727	106	452690	96.84	ug/L		93
76) o-xylene	14.144	106	217503	46.45	ug/L		90
77) styrene	14.066	104	336961	49.75	ug/L		94
78) bromoform	13.900	173	79834	47.31	ug/L		98
79) trans-1,4-dichloro-2-b...	14.286	53	27385	44.57	ug/L	#	30
81) isopropylbenzene	14.498	105	568362	46.85	ug/L		98
83) bromobenzene	14.795	156	131518	45.97	ug/L		99
84) 1,1,2,2-tetrachloroethane	14.141	83	147114	46.17	ug/L		99
85) 1,2,3-trichloropropane	14.286	75	140384	46.32	ug/L		94
86) n-propylbenzene	14.943	91	663229	45.19	ug/L		99
87) 2-chlorotoluene	15.067	91	399120	44.55	ug/L		98
88) 4-chlorotoluene	15.141	91	413087	46.18	ug/L		99
89) 1,3,5-trimethylbenzene	15.219	105	486872	44.77	ug/L		99
90) tert-butylbenzene	15.526	91	291425	46.59	ug/L		97
91) 1,2,4-trimethylbenzene	15.629	105	482933	45.82	ug/L		100
92) sec-butylbenzene	15.746	105	668786	47.91	ug/L		97
93) 1,3-dichlorobenzene	15.855	146	259185	44.80	ug/L		98
94) p-isopropyltoluene	15.915	119	528482	49.20	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83696.D
Acq On : 27 Dec 2013 8:05 pm
Operator : jaclynb
Sample : mc27393-29ms
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Dec 30 08:24:15 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

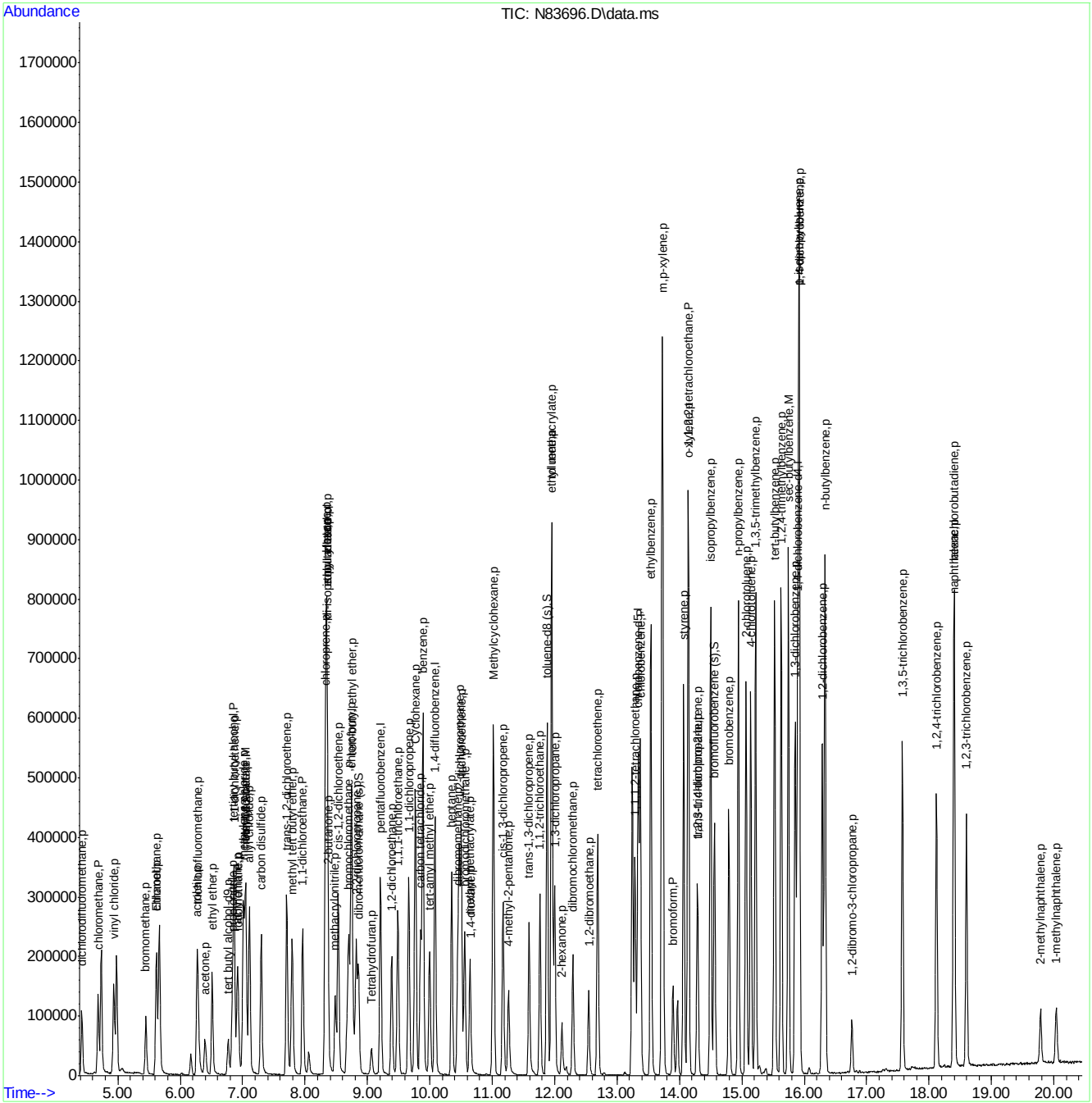
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	1,4-dichlorobenzene	15.919	146	260579	46.31	ug/L	96
96)	1,2-dichlorobenzene	16.290	146	247692	43.90	ug/L	99
97)	n-butylbenzene	16.332	91	525020	49.77	ug/L	100
98)	1,2-dibromo-3-chloropr...	16.760	75	23179	44.81	ug/L	94
99)	1,2,4-trichlorobenzene	18.118	180	164251	51.53	ug/L	100
100)	1,3,5-trichlorobenzene	17.573	180	188376	47.69	ug/L	100
101)	hexachlorobutadiene	18.404	225	118963	50.14	ug/L	96
102)	naphthalene	18.394	128	351957	54.34	ug/L	100
103)	1,2,3-trichlorobenzene	18.599	180	154230	50.34	ug/L	97
104)	2-methylnaphthalene	19.786	142	53540	25.34	ug/L	99
105)	1-methylnaphthalene	20.037	142	57428	23.86	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83696.D
Acq On : 27 Dec 2013 8:05 pm
Operator : jaclynb
Sample : mc27393-29ms
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Dec 30 08:24:15 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83697.D
Acq On : 27 Dec 2013 8:33 pm
Operator : jaclynb
Sample : mc27393-29msd
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Dec 30 08:24:29 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.766	65	81457	500.00	ug/L		0.00
4) pentafluorobenzene	9.212	168	233969	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	349676	50.00	ug/L		0.00
66) chlorobenzene-d5	13.335	82	191206	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.891	152	160096	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	101982	44.60	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.20%				
60) toluene-d8 (s)	11.878	98	418244	49.53	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.06%				
82) bromofluorobenzene (s)	14.558	95	161797	47.82	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.64%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.858	59	116364	539.75	ug/L	#	83
3) Ethanol	5.617	45	179243	5578.16	ug/L		100
5) dichlorodifluoromethane	4.426	85	98688	30.27	ug/L		99
6) chloromethane	4.684	50	165464	51.83	ug/L		97
7) vinyl chloride	4.935	62	147487	37.58	ug/L		99
8) bromomethane	5.451	96	74236	52.41	ug/L		100
9) chloroethane	5.617	64	86613	51.19	ug/L		98
10) ethyl ether	6.511	59	110805	46.04	ug/L		94
12) trichlorofluoromethane	6.278	101	173808	39.13	ug/L		99
13) freon-113	7.052	101	116610	47.03	ug/L		94
14) acrolein	6.271	56	21273	38.90	ug/L		100
15) 1,1-dichloroethene	6.861	96	107101	55.77	ug/L		90
16) acetone	6.398	58	11992	37.10	ug/L	#	62
17) Methyl Acetate	7.038	43	135396	34.23	ug/L	#	94
18) methylene chloride	7.013	84	126789	45.74	ug/L	#	83
19) methyl tert butyl ether	7.791	73	232445	40.21	ug/L		98
20) acrylonitrile	6.914	53	102072	98.12	ug/L		100
21) allyl chloride	7.109	41	216949	54.55	ug/L		95
22) trans-1,2-dichloroethene	7.706	96	117032	46.02	ug/L		96
23) iodomethane	6.929	142	115606	47.85	ug/L		94
24) carbon disulfide	7.296	76	368258	47.08	ug/L		99
25) propionitrile	6.830	54	2730	62.03	ug/L		100
26) vinyl acetate	7.038	43	135396	34.23	ug/L		97
27) chloroprene	8.329	53	218282	52.98	ug/L		92
28) di-isopropyl ether	8.353	45	469113	48.38	ug/L		94
29) methacrylonitrile	8.484	41	79344	47.20	ug/L		92
30) 2-butanone	8.375	72	12123	41.41	ug/L	#	1
31) Hexane	8.343	41	203328	47.19	ug/L	#	90
32) 1,1-dichloroethane	7.961	63	250704	46.82	ug/L		99
33) tert-butyl ethyl ether	8.749	59	228713	39.18	ug/L		94
34) isobutyl alcohol	8.350	43	380912	233.22	ug/L		70
35) 2,2-dichloropropane	8.820	77	134601	45.48	ug/L		99
36) cis-1,2-dichloroethene	8.530	96	126480	44.06	ug/L		98
37) ethyl acetate	8.350	43	380269	46.20	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83697.D
Acq On : 27 Dec 2013 8:33 pm
Operator : jaclynb
Sample : mc27393-29msd
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Dec 30 08:24:29 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.696	128	57409	47.16	ug/L		98
39) chloroform	8.735	83	211359	42.78	ug/L		96
41) Tetrahydrofuran	9.064	42	35185	46.37	ug/L		81
42) 1,1,1-trichloroethane	9.485	97	183312	51.00	ug/L		98
44) Cyclohexane	9.767	56	252308	53.03	ug/L		94
45) carbon tetrachloride	9.852	117	149399	52.18	ug/L		98
46) 1,1-dichloropropene	9.661	75	165927	50.77	ug/L		100
47) benzene	9.888	78	502263	47.30	ug/L		100
48) 1,2-dichloroethane	9.386	62	168503	44.47	ug/L		98
49) tert-amyl methyl ether	9.994	73	166066	37.29	ug/L		93
50) heptane	10.351	43	156540	46.76	ug/L		86
51) trichloroethene	10.503	95	144274	52.58	ug/L		98
52) 1,2-dichloropropane	10.471	63	146380	49.17	ug/L		99
53) dibromomethane	10.450	93	72881	45.18	ug/L		95
54) bromodichloromethane	10.556	83	167681	45.79	ug/L		98
55) Methylcyclohexane	11.019	83	229311	50.36	ug/L		97
57) methyl methacrylate	10.644	69	74485	47.18	ug/L		82
58) 1,4-dioxane	10.658	88	6162	244.21	ug/L	#	65
59) cis-1,3-dichloropropene	11.175	75	187256	48.17	ug/L		98
61) 4-methyl-2-pentanone	11.259	43	119070	48.39	ug/L		93
62) toluene	11.952	92	293481	48.65	ug/L		99
63) trans-1,3-dichloropropene	11.588	75	158885	48.91	ug/L		97
64) 1,1,2-trichloroethane	11.765	83	95320	46.27	ug/L		93
65) ethyl methacrylate	11.956	69	138583	48.03	ug/L		91
67) tetrachloroethene	12.688	166	128542	44.99	ug/L		96
68) 1,3-dichloropropane	11.998	76	181222	45.31	ug/L		97
69) dibromochloromethane	12.292	129	123210	46.71	ug/L		97
70) 1,2-dibromoethane	12.546	107	108761	46.23	ug/L		99
71) 2-hexanone	12.118	43	80161	47.84	ug/L		95
72) chlorobenzene	13.373	112	314733	44.90	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.289	131	110744	46.53	ug/L		98
74) ethylbenzene	13.540	91	590559	47.32	ug/L		99
75) m,p-xylene	13.727	106	447020	91.33	ug/L		98
76) o-xylene	14.141	106	220499	44.97	ug/L		95
77) styrene	14.066	104	344829	48.62	ug/L		95
78) bromoform	13.897	173	81229	45.98	ug/L		99
79) trans-1,4-dichloro-2-b...	14.289	53	28285	43.96	ug/L	#	25
81) isopropylbenzene	14.498	105	581711	48.10	ug/L		99
83) bromobenzene	14.795	156	133902	46.95	ug/L		100
84) 1,1,2,2-tetrachloroethane	14.141	83	148293	46.68	ug/L		98
85) 1,2,3-trichloropropane	14.289	75	143032	47.34	ug/L		98
86) n-propylbenzene	14.943	91	676871	46.27	ug/L		99
87) 2-chlorotoluene	15.067	91	408689	45.76	ug/L		98
88) 4-chlorotoluene	15.141	91	421146	47.23	ug/L		99
89) 1,3,5-trimethylbenzene	15.219	105	493496	45.52	ug/L		98
90) tert-butylbenzene	15.526	91	296342	47.52	ug/L		95
91) 1,2,4-trimethylbenzene	15.629	105	486412	46.30	ug/L		98
92) sec-butylbenzene	15.746	105	690289	49.61	ug/L		98
93) 1,3-dichlorobenzene	15.855	146	266471	46.21	ug/L		99
94) p-isopropyltoluene	15.915	119	541752	50.59	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83697.D
Acq On : 27 Dec 2013 8:33 pm
Operator : jaclynb
Sample : mc27393-29msd
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Dec 30 08:24:29 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

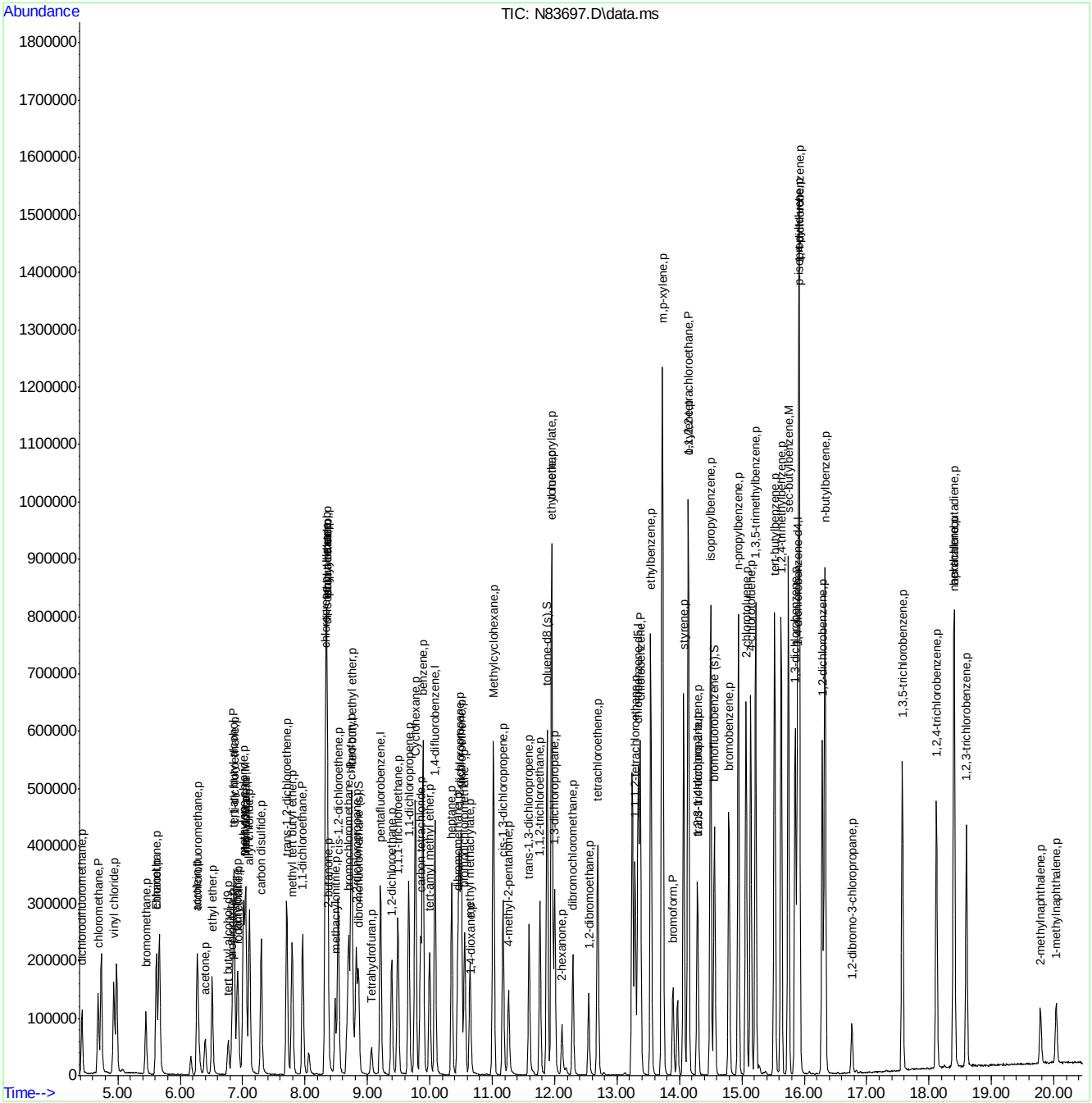
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	1,4-dichlorobenzene	15.922	146	265620	47.35	ug/L	95
96)	1,2-dichlorobenzene	16.290	146	255495	45.42	ug/L	98
97)	n-butylbenzene	16.333	91	540854	51.44	ug/L	100
98)	1,2-dibromo-3-chloropr...	16.764	75	23310	45.20	ug/L	95
99)	1,2,4-trichlorobenzene	18.118	180	165001	51.93	ug/L	98
100)	1,3,5-trichlorobenzene	17.570	180	191640	48.67	ug/L	100
101)	hexachlorobutadiene	18.404	225	121080	51.19	ug/L	99
102)	naphthalene	18.394	128	355271	55.02	ug/L	100
103)	1,2,3-trichlorobenzene	18.599	180	156492	51.23	ug/L	96
104)	2-methylnaphthalene	19.787	142	58395	26.84	ug/L	99
105)	1-methylnaphthalene	20.038	142	62456	25.63	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83697.D
Acq On : 27 Dec 2013 8:33 pm
Operator : jaclynb
Sample : mc27393-29msd
Misc : ms30889,MSN3123,,,,5,1
ALS Vial : 41 Sample Multiplier: 1

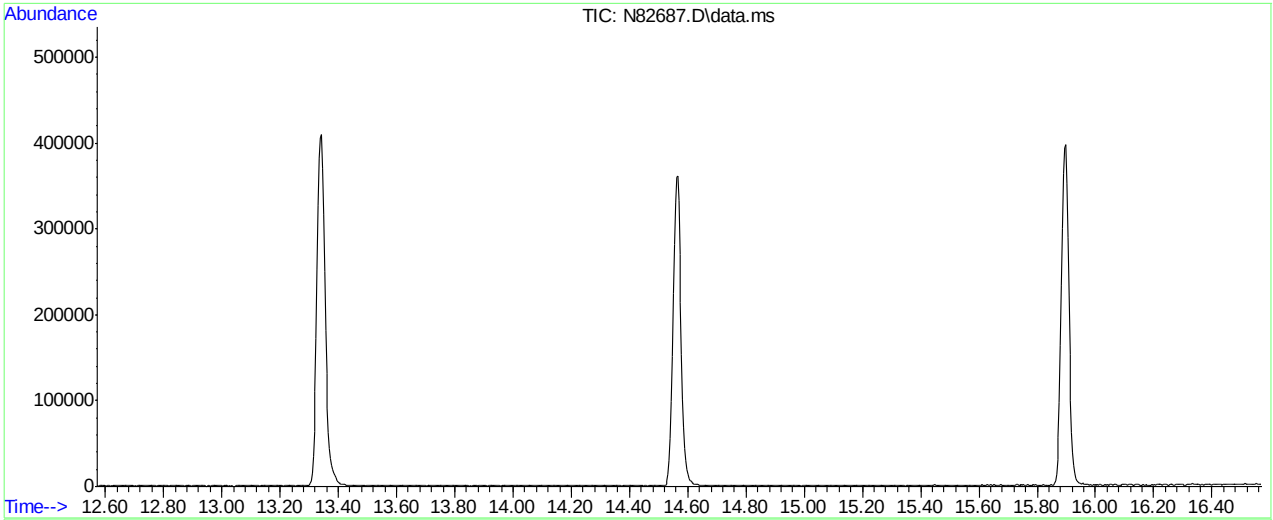
Quant Time: Dec 30 08:24:29 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

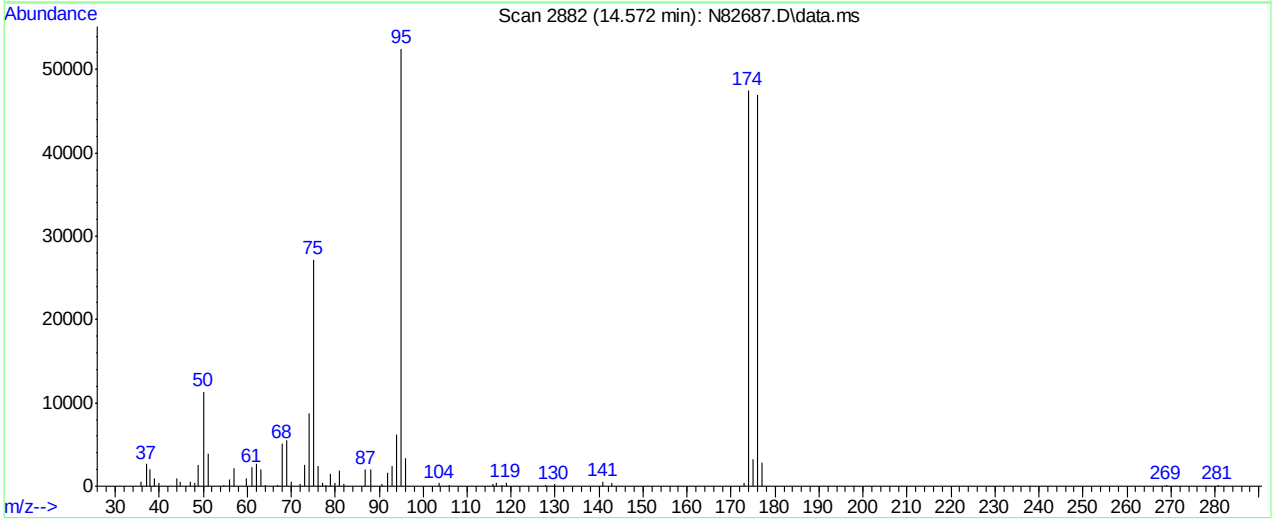


SW-846 Method 8260

Data File : C:\msdchem\1\data\N131125\N82687.D Vial: 18
Acq On : 25 Nov 2013 11:37 am Operator: jaclynb
Sample : bfb Inst : MSN
Misc : ms30621,MSN3086,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\n131125w.m (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Scan 2882

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.6	11360	PASS
75	95	30	60	51.7	27176	PASS
95	95	100	100	100.0	52520	PASS
96	95	5	9	6.5	3408	PASS
173	174	0.00	2	0.9	432	PASS
174	95	50	150	90.4	47480	PASS
175	174	5	9	6.7	3196	PASS
176	174	95	101	98.9	46936	PASS
177	176	5	9	6.0	2804	PASS

N82687.D n131125w.m Tue Nov 26 10:38:48 2013

Scan 2882 (14.572 min): N82687.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	531	51.00	3840	69.00	5552	80.90	1831
37.00	2665	54.70	185	69.90	543	81.90	223
37.90	2080	56.00	750	72.00	244	86.90	2069
39.00	883	56.90	2118	73.00	2605	88.00	1998
39.90	460	59.90	891	74.00	8691	90.70	265
43.90	1011	61.00	2313	75.00	27176	91.90	1582
44.80	506	62.00	2708	76.00	2404	92.90	2405
47.00	577	63.00	1963	77.00	404	94.00	6213
48.00	380	64.10	157	77.80	186	95.00	52520
48.90	2609	67.00	177	78.80	1546	96.00	3408
50.00	11360	67.90	5169	79.80	426	103.70	356

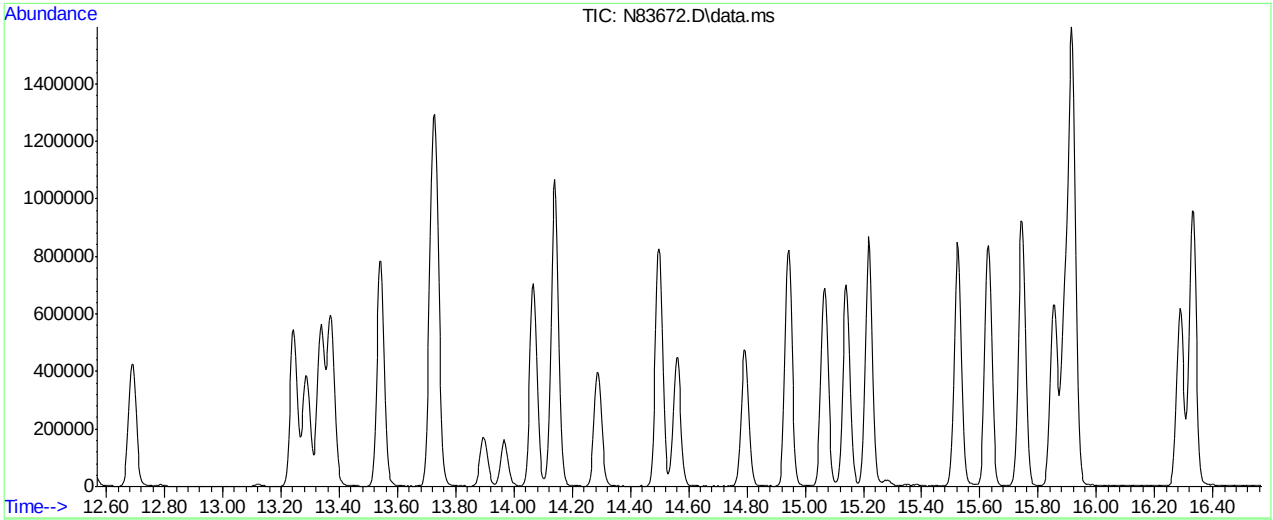
Scan 2882 (14.572 min): N82687.D\data.ms
bfb

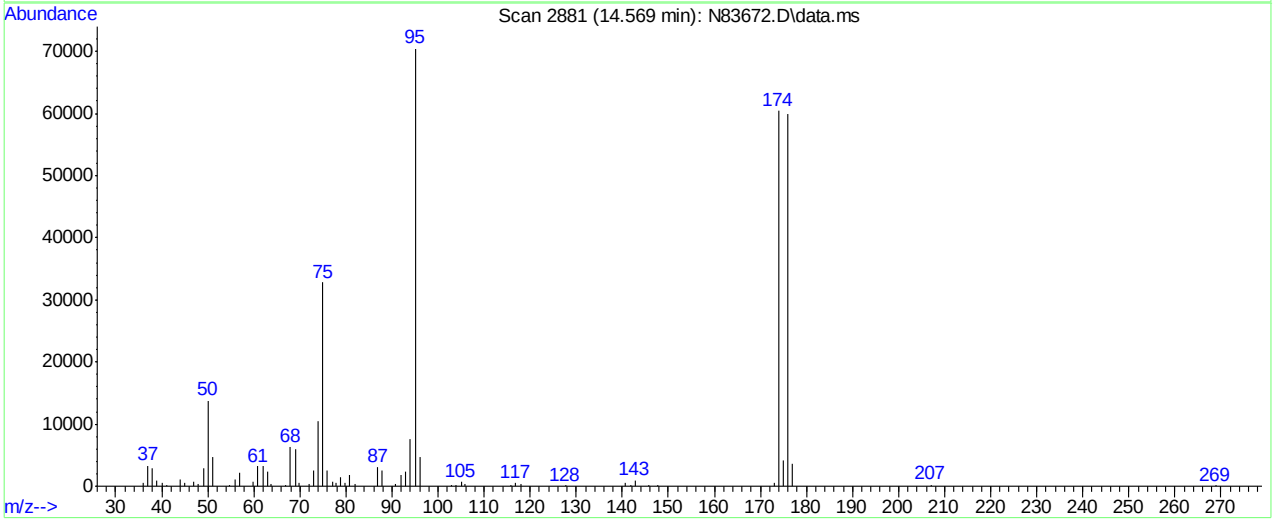
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
105.90	183	174.90	3196				
115.80	249	175.90	46936				
116.70	379	176.90	2804				
117.80	197	269.00	162				
118.90	441	280.70	160				
127.80	178						
129.80	217						
140.90	549						
142.80	463						
172.90	432						
173.90	47480						

SW-846 Method 8260

Data File : C:\msdchem\1\data\N131227\N83672.D Vial: 16
Acq On : 27 Dec 2013 8:58 am Operator: jaclynb
Sample : bfb Inst : MSN
Misc : ms30887,MSN3123,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\n131125w.m (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Scan 2881

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	13803	PASS
75	95	30	60	46.5	32792	PASS
95	95	100	100	100.0	70464	PASS
96	95	5	9	6.6	4639	PASS
173	174	0.00	2	0.9	536	PASS
174	95	50	150	85.8	60424	PASS
175	174	5	9	6.7	4070	PASS
176	174	95	101	99.0	59832	PASS
177	176	5	9	5.9	3542	PASS

N83672.D n131125w.m Fri Dec 27 10:55:39 2013

Scan 2881 (14.569 min): N83672.D\data.ms
bs

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	543	50.00	13803	67.90	6314	79.80	579
37.00	3324	51.00	4689	69.00	5876	80.80	1735
38.00	2845	54.80	277	69.90	605	81.90	388
38.90	892	56.00	1130	71.90	415	86.90	3123
40.00	537	57.00	2109	73.00	2595	87.90	2601
41.10	168	59.90	766	74.00	10427	90.80	324
44.00	1179	60.90	3193	75.00	32792	92.00	1725
45.00	579	62.00	3250	76.00	2489	93.00	2371
47.00	757	63.00	2385	77.00	653	94.00	7514
47.90	389	63.70	294	77.90	520	95.00	70464
49.00	2908	67.00	175	78.80	1473	96.00	4639

Scan 2881 (14.569 min): N83672.D\data.ms
bs

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.00	151	145.70	206				
104.00	252	147.80	178				
105.00	681	173.00	536				
105.90	397	173.90	60424				
115.70	153	174.90	4070				
116.80	509	175.90	59832				
117.90	376	176.80	3542				
127.70	161	207.00	270				
140.70	561	268.90	171				
141.90	205						
142.80	931						

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 11/26/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82689.D
Acq On : 25 Nov 2013 12:33 pm
Operator : jaclynb
Sample : ic3086-0.5
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 26 09:51:18 2013
Quant Method : C:\msdchem\1\methods\n131020w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 21 14:14:31 2013
Response via : Initial Calibration

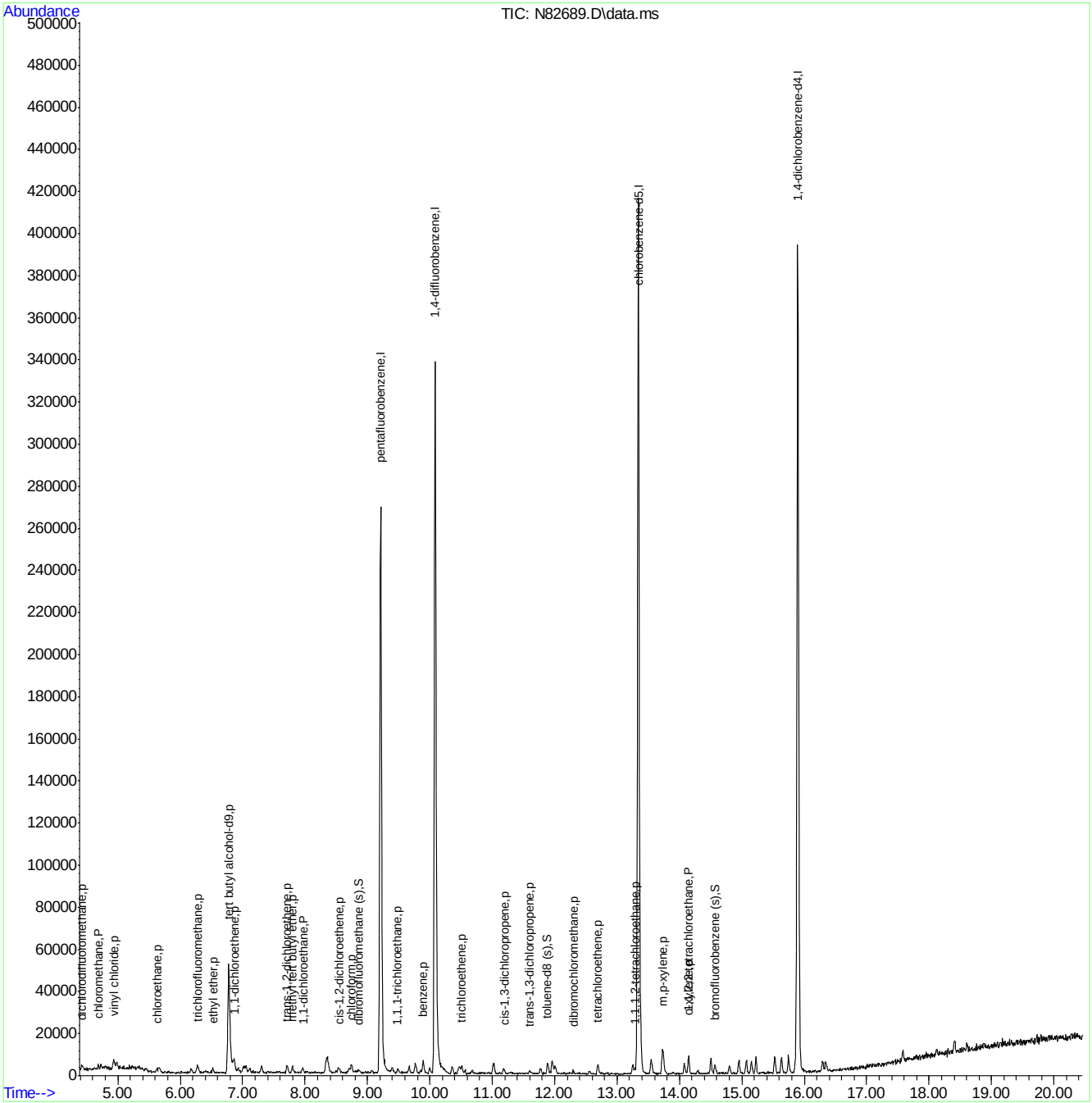
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.777	65	80679	500.00	ug/L		0.00
4) pentafluorobenzene	9.213	168	195275	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.086	114	286732m	50.00	ug/L		0.00
66) chlorobenzene-d5	13.342	82	149849	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	108647	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.863	113	991	0.46	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 0.92%#				
60) toluene-d8 (s)	11.882	98	4025	0.51	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.02%#				
82) bromofluorobenzene (s)	14.569	95	1885	0.76	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.52%#				
Target Compounds							Qvalue
5) dichlorodifluoromethane	4.426	85	1610	0.54	ug/L		80
6) chloromethane	4.687	50	1863	0.58	ug/L		83
7) vinyl chloride	4.938	62	2049	0.56	ug/L		57
9) chloroethane	5.631	64	705m	0.51	ug/L		
10) ethyl ether	6.526	59	1113	0.55	ug/L		78
12) trichlorofluoromethane	6.278	101	2186	0.61	ug/L		99
15) 1,1-dichloroethene	6.862	96	1507	0.70	ug/L	#	65
19) methyl tert butyl ether	7.798	73	2810	0.52	ug/L		88
22) trans-1,2-dichloroethene	7.707	96	1200	0.52	ug/L		84
32) 1,1-dichloroethane	7.972	63	2722	0.57	ug/L		98
36) cis-1,2-dichloroethene	8.544	96	1477	0.57	ug/L	#	59
39) chloroform	8.735	83	2331	0.50	ug/L		89
42) 1,1,1-trichloroethane	9.481	97	1330	0.39	ug/L		92
47) benzene	9.895	78	5268	0.53	ug/L		84
51) trichloroethene	10.514	95	1202	0.44	ug/L	#	64
59) cis-1,3-dichloropropene	11.192	75	1469	0.41	ug/L		55
63) trans-1,3-dichloropropene	11.602	75	1226	0.40	ug/L		53
67) tetrachloroethene	12.684	166	1427	0.57	ug/L		91
69) dibromochloromethane	12.299	129	1054	0.45	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.289	131	1024m	0.49	ug/L		
75) m,p-xylene	13.731	106	4461	1.01	ug/L		89
76) o-xylene	14.151	106	2307	0.53	ug/L		96
84) 1,1,2,2-tetrachloroethane	14.144	83	1193	0.49	ug/L		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82689.D
Acq On : 25 Nov 2013 12:33 pm
Operator : jaclynb
Sample : ic3086-0.5
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 26 09:51:18 2013
Quant Method : C:\msdchem\1\methods\n131020w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 21 14:14:31 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82690.D
Acq On : 25 Nov 2013 1:01 pm
Operator : jaclynb
Sample : ic3086-1
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 26 09:54:55 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:51:27 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.780	65	78054	500.00	ug/L		0.01
4) pentafluorobenzene	9.212	168	188106	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.086	114	282558	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	144593	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.898	152	109001	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	724	0.38	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 0.76%#				
60) toluene-d8 (s)	11.882	98	3118	0.42	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 0.84%#				
82) bromofluorobenzene (s)	14.565	95	1617	0.54	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.08%#				
Target Compounds							Qvalue
5) dichlorodifluoromethane	4.426	85	3457	1.24	ug/L		98
6) chloromethane	4.687	50	3097	1.08	ug/L		73
7) vinyl chloride	4.942	62	4208	1.23	ug/L		83
9) chloroethane	5.624	64	1756	1.31	ug/L		76
10) ethyl ether	6.522	59	2279	1.15	ug/L		88
11) acetonitrile	6.176	41	2452	1.65	ug/L		93
12) trichlorofluoromethane	6.275	101	4677	1.23	ug/L		92
13) freon-113	7.056	101	2678	1.36	ug/L		99
15) 1,1-dichloroethene	6.868	96	2875	1.23	ug/L		85
18) methylene chloride	7.010	84	2782	1.33	ug/L		85
19) methyl tert butyl ether	7.795	73	4869	1.02	ug/L		84
22) trans-1,2-dichloroethene	7.717	96	2660	1.27	ug/L	#	66
27) chloroprene	8.329	53	3678	1.08	ug/L		93
32) 1,1-dichloroethane	7.968	63	5362	1.16	ug/L		94
36) cis-1,2-dichloroethene	8.537	96	2867	1.16	ug/L		91
38) bromochloromethane	8.707	128	1119	1.15	ug/L	#	71
39) chloroform	8.735	83	4865	1.18	ug/L		97
42) 1,1,1-trichloroethane	9.492	97	3275	1.16	ug/L		93
45) carbon tetrachloride	9.856	117	2197	0.87	ug/L		81
47) benzene	9.898	78	10033	1.09	ug/L		92
48) 1,2-dichloroethane	9.393	62	3583	1.24	ug/L		91
49) tert-amyl methyl ether	10.004	73	3819	1.15	ug/L		91
50) heptane	10.354	43	3515	1.34	ug/L		97
51) trichloroethene	10.513	95	2519	1.11	ug/L		80
54) bromodichloromethane	10.563	83	3361	1.19	ug/L		95
55) Methylcyclohexane	11.015	83	4728	1.29	ug/L		92
59) cis-1,3-dichloropropene	11.185	75	3026	1.00	ug/L		71
62) toluene	11.956	92	5954	1.25	ug/L		95
63) trans-1,3-dichloropropene	11.606	75	2537	1.02	ug/L		85
64) 1,1,2-trichloroethane	11.768	83	1932	1.22	ug/L		78
67) tetrachloroethene	12.698	166	2745	1.15	ug/L		87
68) 1,3-dichloropropane	12.002	76	3350	1.14	ug/L		90
69) dibromochloromethane	12.292	129	2248	1.14	ug/L		93
72) chlorobenzene	13.377	112	6608	1.31	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82690.D
Acq On : 25 Nov 2013 1:01 pm
Operator : jaclynb
Sample : ic3086-1
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 26 09:54:55 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:51:27 2013
Response via : Initial Calibration

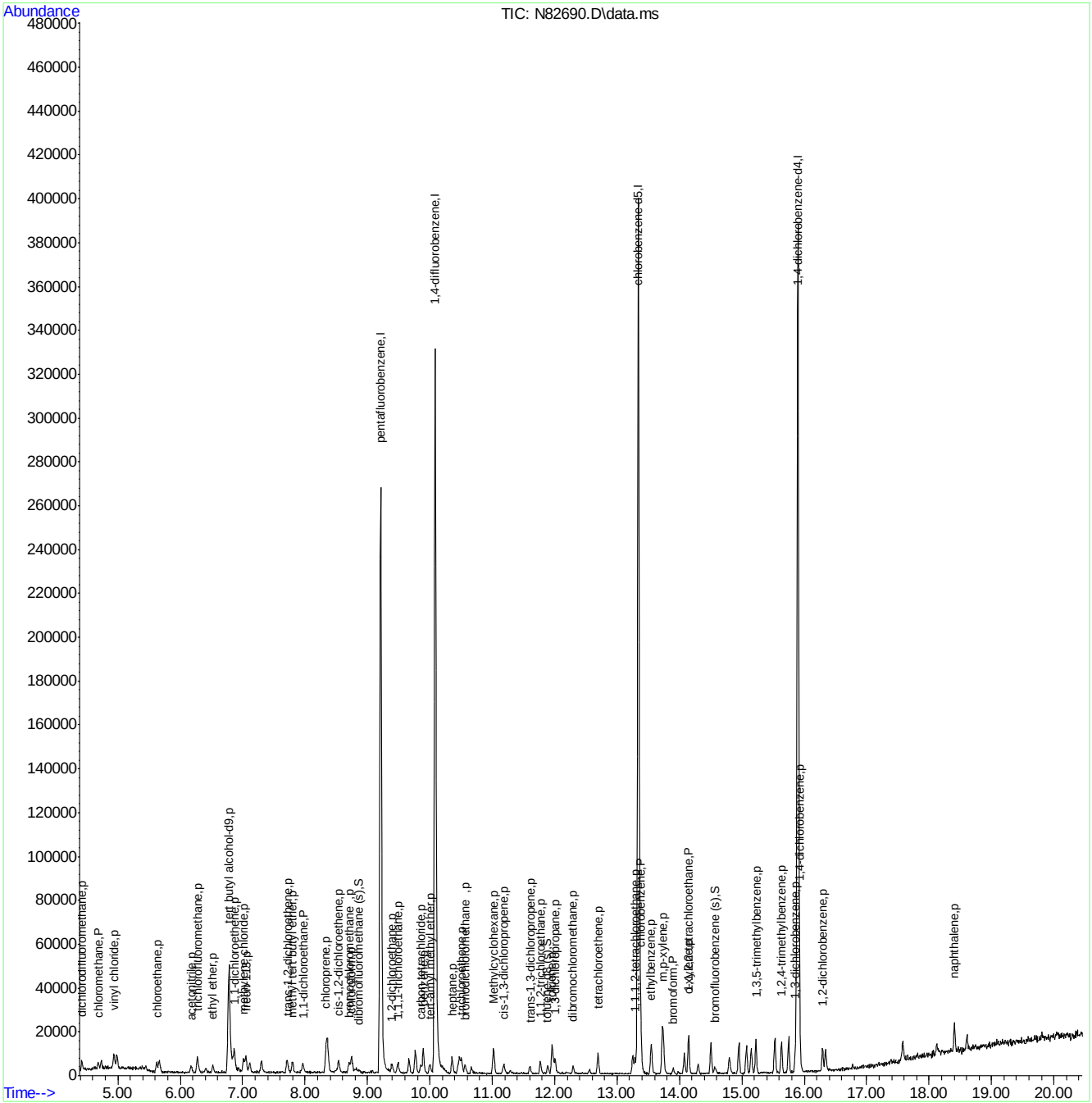
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73)	1,1,1,2-tetrachloroethane	13.289	131	2083	1.13	ug/L	91
74)	ethylbenzene	13.547	91	12233	1.35	ug/L	98
75)	m,p-xylene	13.730	106	8989	2.29	ug/L	89
76)	o-xylene	14.151	106	4345	1.09	ug/L	82
78)	bromoform	13.900	173	1332	1.02	ug/L	84
84)	1,1,2,2-tetrachloroethane	14.148	83	2599	1.20	ug/L	83
89)	1,3,5-trimethylbenzene	15.229	105	9955	1.44	ug/L	93
91)	1,2,4-trimethylbenzene	15.633	105	9284	1.39	ug/L	90
93)	1,3-dichlorobenzene	15.859	146	4921	1.34	ug/L	95
95)	1,4-dichlorobenzene	15.922	146	4665	1.31	ug/L	91
96)	1,2-dichlorobenzene	16.294	146	4944	1.41	ug/L	91
102)	naphthalene	18.404	128	2717	0.59	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82690.D
Acq On : 25 Nov 2013 1:01 pm
Operator : jaclynb
Sample : ic3086-1
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 26 09:54:55 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:51:27 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/26/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82691.D
Acq On : 25 Nov 2013 1:28 pm
Operator : jaclynb
Sample : ic3086-2
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 26 09:59:18 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:55:05 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.780	65	75125	500.00	ug/L		0.01
4) pentafluorobenzene	9.209	168	191638	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.086	114	288761	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	149123	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	113025	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	538	0.35	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 0.70%#				
60) toluene-d8 (s)	11.892	98	3327	0.54	ug/L		0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.08%#				
82) bromofluorobenzene (s)	14.572	95	1397	0.53	ug/L		0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.06%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.872	59	4344m	22.41	ug/L		
3) Ethanol	5.624	45	6648m	227.66	ug/L		
5) dichlorodifluoromethane	4.422	85	5510	1.80	ug/L		92
6) chloromethane	4.687	50	5617	1.87	ug/L		87
7) vinyl chloride	4.931	62	6621	1.77	ug/L		98
8) bromomethane	5.448	96	2162	1.84	ug/L		91
9) chloroethane	5.621	64	2701	1.79	ug/L		93
10) ethyl ether	6.522	59	3831	1.81	ug/L		82
11) acetonitrile	6.172	41	3627	1.97	ug/L		98
12) trichlorofluoromethane	6.282	101	7377	1.77	ug/L		93
13) freon-113	7.056	101	4028	1.70	ug/L		85
15) 1,1-dichloroethene	6.862	96	4554	1.77	ug/L		81
18) methylene chloride	7.017	84	4476	1.81	ug/L	#	83
19) methyl tert butyl ether	7.795	73	7975	1.62	ug/L		83
22) trans-1,2-dichloroethene	7.717	96	4568	1.96	ug/L	#	64
24) carbon disulfide	7.300	76	13786	2.12	ug/L		100
27) chloroprene	8.339	53	6411	1.78	ug/L		94
28) di-isopropyl ether	8.361	45	16074	2.05	ug/L		84
29) methacrylonitrile	8.498	41	2348	1.76	ug/L		87
32) 1,1-dichloroethane	7.961	63	8296	1.67	ug/L		90
33) tert-butyl ethyl ether	8.760	59	4242	1.00	ug/L		90
36) cis-1,2-dichloroethene	8.537	96	4600	1.73	ug/L		80
37) ethyl acetate	8.350	43	14004	2.09	ug/L		92
38) bromochloromethane	8.700	128	1693	1.59	ug/L	#	77
39) chloroform	8.739	83	7631	1.71	ug/L		94
42) 1,1,1-trichloroethane	9.485	97	5048	1.67	ug/L		90
44) Cyclohexane	9.764	56	7688	1.89	ug/L	#	86
45) carbon tetrachloride	9.856	117	3914	1.63	ug/L		84
46) 1,1-dichloropropene	9.669	75	5157	1.87	ug/L		93
47) benzene	9.895	78	17374	1.80	ug/L		96
48) 1,2-dichloroethane	9.389	62	5618	1.70	ug/L		81
49) tert-amyl methyl ether	10.001	73	5683	1.56	ug/L		85
50) heptane	10.358	43	5508	1.76	ug/L		98
51) trichloroethene	10.503	95	4688	1.95	ug/L	#	71

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82691.D
Acq On : 25 Nov 2013 1:28 pm
Operator : jaclynb
Sample : ic3086-2
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 26 09:59:18 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:55:05 2013
Response via : Initial Calibration

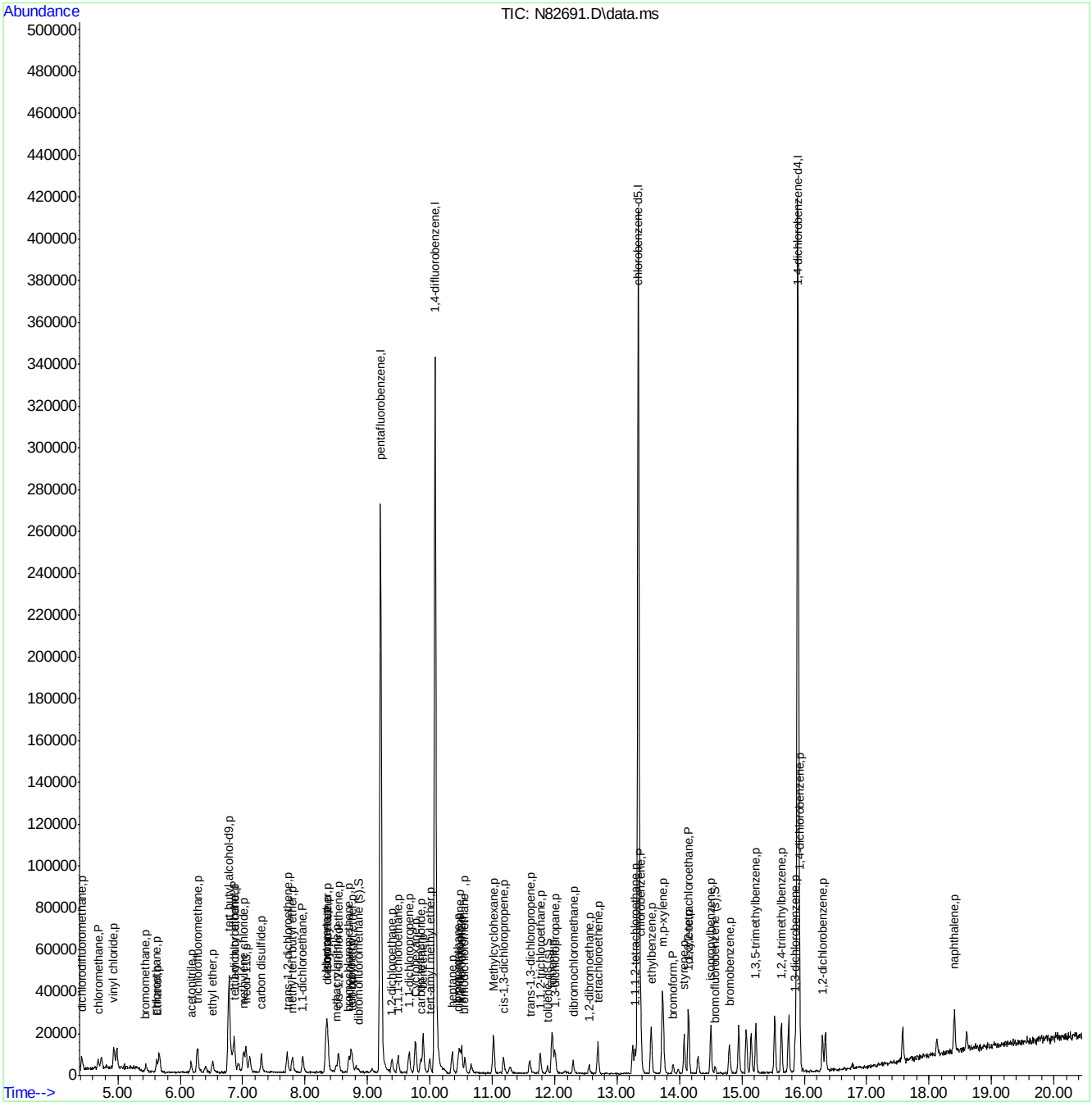
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	1,2-dichloropropane	10.471	63	4533	1.88	ug/L		93
53)	dibromomethane	10.454	93	2489	1.95	ug/L		96
54)	bromodichloromethane	10.556	83	5629	1.78	ug/L		94
55)	Methylcyclohexane	11.023	83	7008	1.63	ug/L	#	92
59)	cis-1,3-dichloropropene	11.178	75	5402	1.74	ug/L		98
62)	toluene	11.960	92	9443	1.72	ug/L		89
63)	trans-1,3-dichloropropene	11.606	75	4658	1.82	ug/L		79
64)	1,1,2-trichloroethane	11.772	83	3162	1.76	ug/L		81
67)	tetrachloroethene	12.698	166	4189	1.62	ug/L		78
68)	1,3-dichloropropane	12.002	76	5674	1.75	ug/L		77
69)	dibromochloromethane	12.302	129	3493	1.64	ug/L		78
70)	1,2-dibromoethane	12.553	107	3403	1.92	ug/L		96
72)	chlorobenzene	13.377	112	10798	1.80	ug/L		95
73)	1,1,1,2-tetrachloroethane	13.292	131	3464	1.75	ug/L		91
74)	ethylbenzene	13.550	91	18931	1.73	ug/L		94
75)	m,p-xylene	13.731	106	14062	3.31	ug/L		98
76)	o-xylene	14.141	106	7128	1.68	ug/L		92
77)	styrene	14.074	104	9487m	1.68	ug/L		
78)	bromoform	13.900	173	2401	1.77	ug/L		69
81)	isopropylbenzene	14.501	105	17795	2.14	ug/L		96
83)	bromobenzene	14.805	156	4325	2.28	ug/L		82
84)	1,1,2,2-tetrachloroethane	14.148	83	4481	1.87	ug/L		94
89)	1,3,5-trimethylbenzene	15.219	105	15324	1.75	ug/L		95
91)	1,2,4-trimethylbenzene	15.636	105	14576	1.76	ug/L		94
93)	1,3-dichlorobenzene	15.855	146	7877	1.77	ug/L		93
95)	1,4-dichlorobenzene	15.923	146	8112	1.90	ug/L		96
96)	1,2-dichlorobenzene	16.297	146	8086	1.84	ug/L		85
102)	naphthalene	18.401	128	4680	1.24	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82691.D
Acq On : 25 Nov 2013 1:28 pm
Operator : jaclynb
Sample : ic3086-2
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 26 09:59:18 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:55:05 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82692.D
Acq On : 25 Nov 2013 1:56 pm
Operator : jaclynb
Sample : ic3086-5
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 26 09:59:52 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:59:26 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.777	65	92534	500.00	ug/L		0.01
4) pentafluorobenzene	9.213	168	191564	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.086	114	288716	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	152879	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	119961	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	9978	8.25	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 16.50%#				
60) toluene-d8 (s)	11.885	98	37671	7.53	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 15.06%#				
82) bromofluorobenzene (s)	14.565	95	14791	6.45	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 12.90%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.862	59	11592	45.79	ug/L		86
3) Ethanol	5.624	45	17554	456.48	ug/L		99
5) dichlorodifluoromethane	4.426	85	13441	4.50	ug/L		94
6) chloromethane	4.684	50	13189	4.46	ug/L		82
7) vinyl chloride	4.935	62	15783	4.34	ug/L		97
8) bromomethane	5.451	96	5239	4.65	ug/L		87
9) chloroethane	5.621	64	7124	4.85	ug/L		93
10) ethyl ether	6.515	59	10257	4.97	ug/L		97
11) acetonitrile	6.172	41	7912	4.32	ug/L		98
12) trichlorofluoromethane	6.271	101	17960	4.43	ug/L		95
13) freon-113	7.052	101	10218	4.54	ug/L		93
14) acrolein	6.271	56	10744	24.38	ug/L		94
15) 1,1-dichloroethene	6.869	96	10432	4.19	ug/L		94
16) acetone	6.413	58	1629	5.96	ug/L	#	35
17) Methyl Acetate	7.049	43	17901	5.54	ug/L	#	94
18) methylene chloride	7.017	84	12077	5.04	ug/L	#	79
19) methyl tert butyl ether	7.802	73	21114	4.51	ug/L		96
20) acrylonitrile	6.932	53	4317	5.16	ug/L		79
21) allyl chloride	7.109	41	15784	4.62	ug/L		79
22) trans-1,2-dichloroethene	7.714	96	9938	4.29	ug/L		89
23) iodomethane	6.929	142	4920	2.79	ug/L		83
24) carbon disulfide	7.300	76	33584	5.02	ug/L		96
26) vinyl acetate	7.049	43	17901	5.54	ug/L		98
27) chloroprene	8.325	53	16334	4.70	ug/L		88
28) di-isopropyl ether	8.361	45	40585	5.11	ug/L		90
29) methacrylonitrile	8.488	41	7359	5.88	ug/L		98
30) 2-butanone	8.392	72	1106	4.31	ug/L	#	1
31) Hexane	8.343	41	18898	5.27	ug/L		89
32) 1,1-dichloroethane	7.965	63	21874	4.60	ug/L		99
33) tert-butyl ethyl ether	8.749	59	13406	4.22	ug/L		79
34) isobutyl alcohol	8.357	43	35487	26.53	ug/L		84
35) 2,2-dichloropropane	8.817	77	6086	2.52	ug/L		87
36) cis-1,2-dichloroethene	8.534	96	11557	4.51	ug/L	#	77
37) ethyl acetate	8.357	43	35721	5.22	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82692.D
Acq On : 25 Nov 2013 1:56 pm
Operator : jaclynb
Sample : ic3086-5
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 26 09:59:52 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:59:26 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.700	128	5111	5.16	ug/L	#	75
39) chloroform	8.739	83	19823	4.62	ug/L		94
41) Tetrahydrofuran	9.068	42	3228	5.41	ug/L		82
42) 1,1,1-trichloroethane	9.495	97	14030	4.84	ug/L		93
44) Cyclohexane	9.768	56	21132	5.34	ug/L		92
45) carbon tetrachloride	9.849	117	11114	4.93	ug/L		95
46) 1,1-dichloropropene	9.662	75	14294	5.36	ug/L		95
47) benzene	9.891	78	43866	4.66	ug/L		95
48) 1,2-dichloroethane	9.393	62	15834	5.04	ug/L		95
49) tert-amyl methyl ether	10.001	73	15634	4.63	ug/L		88
50) heptane	10.358	43	13631	4.53	ug/L		81
51) trichloroethene	10.503	95	11434	4.79	ug/L		83
52) 1,2-dichloropropane	10.471	63	12944	5.54	ug/L		93
53) dibromomethane	10.453	93	7012	5.57	ug/L		95
54) bromodichloromethane	10.567	83	14362	4.71	ug/L		94
55) Methylcyclohexane	11.019	83	18459	4.58	ug/L		98
56) 2-chloroethyl vinyl ether	10.082	63	69273	50.49	ug/L	#	44
57) methyl methacrylate	10.655	69	6070	4.82	ug/L	#	73
59) cis-1,3-dichloropropene	11.178	75	14789	4.93	ug/L		93
61) 4-methyl-2-pentanone	11.274	43	9893	5.02	ug/L		100
62) toluene	11.959	92	23751	4.55	ug/L		96
63) trans-1,3-dichloropropene	11.595	75	12637	5.04	ug/L		96
64) 1,1,2-trichloroethane	11.769	83	8302	4.81	ug/L		93
65) ethyl methacrylate	11.967	69	10955	4.70	ug/L		86
67) tetrachloroethene	12.695	166	10958	4.35	ug/L		92
68) 1,3-dichloropropane	12.005	76	16150	5.06	ug/L		99
69) dibromochloromethane	12.295	129	9874	4.73	ug/L		99
70) 1,2-dibromoethane	12.550	107	9188	5.16	ug/L		96
71) 2-hexanone	12.136	43	5804	4.24	ug/L		95
72) chlorobenzene	13.374	112	27202	4.57	ug/L		96
73) 1,1,1,2-tetrachloroethane	13.292	131	9014	4.59	ug/L		95
74) ethylbenzene	13.543	91	48705	4.54	ug/L		95
75) m,p-xylene	13.727	106	37074	8.91	ug/L		99
76) o-xylene	14.148	106	18564	4.45	ug/L		83
77) styrene	14.074	104	26681	5.01	ug/L		99
78) bromoform	13.900	173	6589	4.92	ug/L		93
79) trans-1,4-dichloro-2-b...	14.303	53	1784	3.55	ug/L		94
81) isopropylbenzene	14.501	105	48639	5.32	ug/L		91
83) bromobenzene	14.802	156	10518	4.88	ug/L		91
84) 1,1,2,2-tetrachloroethane	14.141	83	12318	4.92	ug/L		95
85) 1,2,3-trichloropropane	14.296	75	11385	5.34	ug/L		85
86) n-propylbenzene	14.947	91	58999	5.45	ug/L		99
87) 2-chlorotoluene	15.071	91	36518	5.67	ug/L		99
88) 4-chlorotoluene	15.148	91	34351	5.27	ug/L		99
89) 1,3,5-trimethylbenzene	15.226	105	40208	4.52	ug/L		92
90) tert-butylbenzene	15.527	91	24305	5.21	ug/L		91
91) 1,2,4-trimethylbenzene	15.633	105	39969	4.74	ug/L		93
92) sec-butylbenzene	15.746	105	55333	5.34	ug/L		97
93) 1,3-dichlorobenzene	15.859	146	22086	4.86	ug/L		97
94) p-isopropyltoluene	15.916	119	40580	5.07	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82692.D
Acq On : 25 Nov 2013 1:56 pm
Operator : jaclynb
Sample : ic3086-5
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 26 09:59:52 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:59:26 2013
Response via : Initial Calibration

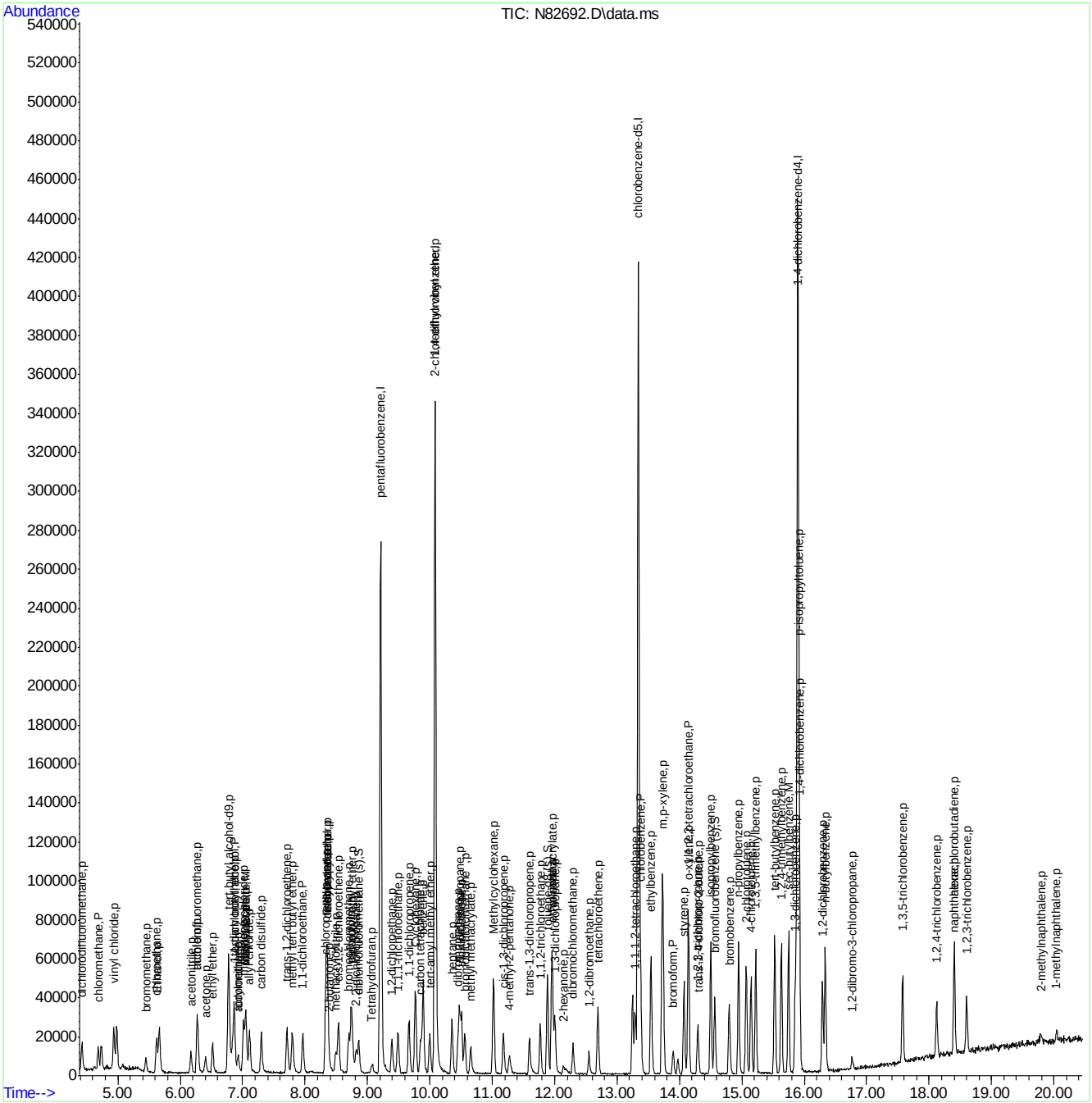
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
95)	1,4-dichlorobenzene	15.926	146	20876	4.69	ug/L		91
96)	1,2-dichlorobenzene	16.294	146	20699	4.57	ug/L		97
97)	n-butylbenzene	16.336	91	38235	4.78	ug/L		97
98)	1,2-dibromo-3-chloropr...	16.764	75	2011	5.53	ug/L	#	68
99)	1,2,4-trichlorobenzene	18.125	180	9852	4.15	ug/L		88
100)	1,3,5-trichlorobenzene	17.577	180	14855	5.17	ug/L		97
101)	hexachlorobutadiene	18.404	225	9407	5.38	ug/L		87
102)	naphthalene	18.394	128	15334	4.37	ug/L		100
103)	1,2,3-trichlorobenzene	18.602	180	10136	4.47	ug/L		100
104)	2-methylnaphthalene	19.797	142	3304	2.53	ug/L	#	93
105)	1-methylnaphthalene	20.041	142	3921	2.44	ug/L	#	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82692.D
Acq On : 25 Nov 2013 1:56 pm
Operator : jaclynb
Sample : ic3086-5
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 26 09:59:52 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 09:59:26 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 11/26/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82693.D
Acq On : 25 Nov 2013 2:24 pm
Operator : jaclynb
Sample : ic3086-10
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 26 10:01:14 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:00:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.777	65	81427	500.00	ug/L		0.01
4) pentafluorobenzene	9.209	168	181995	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	273648	50.00	ug/L		0.00
66) chlorobenzene-d5	13.342	82	143846	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	113402	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	17769	13.68	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 27.36%#				
60) toluene-d8 (s)	11.882	98	68581	13.14	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 26.28%#				
82) bromofluorobenzene (s)	14.565	95	24872	10.85	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 21.70%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.865	59	23816	110.00	ug/L		93
3) Ethanol	5.617	45	37052	1127.65	ug/L		97
5) dichlorodifluoromethane	4.426	85	26857	9.66	ug/L		99
6) chloromethane	4.687	50	24582	8.95	ug/L		99
7) vinyl chloride	4.935	62	32879	9.77	ug/L		96
8) bromomethane	5.451	96	11017	10.54	ug/L		88
9) chloroethane	5.614	64	14389	10.38	ug/L		95
10) ethyl ether	6.522	59	20074	10.25	ug/L		90
11) acetonitrile	6.176	41	12665	7.48	ug/L		93
12) trichlorofluoromethane	6.275	101	37583	9.99	ug/L		92
13) freon-113	7.049	101	22343	10.70	ug/L		98
14) acrolein	6.268	56	22783	55.09	ug/L		96
15) 1,1-dichloroethene	6.862	96	21500	9.38	ug/L		87
16) acetone	6.402	58	3461	12.16	ug/L	#	56
17) Methyl Acetate	7.042	43	36743	11.36	ug/L		99
18) methylene chloride	7.014	84	23602	10.34	ug/L	#	82
19) methyl tert butyl ether	7.795	73	45396	10.42	ug/L		97
20) acrylonitrile	6.925	53	9244	11.44	ug/L		86
21) allyl chloride	7.109	41	34545	11.07	ug/L		98
22) trans-1,2-dichloroethene	7.710	96	21249	9.94	ug/L		92
23) iodomethane	6.929	142	12547	9.61	ug/L		96
24) carbon disulfide	7.300	76	70062	11.01	ug/L		99
25) propionitrile	6.833	54	606	15.51	ug/L		100
26) vinyl acetate	7.042	43	36743	11.36	ug/L		94
27) chloroprene	8.332	53	35882	11.04	ug/L		91
28) di-isopropyl ether	8.357	45	85422	11.24	ug/L		89
29) methacrylonitrile	8.491	41	15018	11.93	ug/L		99
30) 2-butanone	8.382	72	2356	10.38	ug/L	#	1
31) Hexane	8.343	41	39990	11.43	ug/L	#	96
32) 1,1-dichloroethane	7.965	63	44710	10.06	ug/L		98
33) tert-butyl ethyl ether	8.753	59	31149	10.88	ug/L		95
34) isobutyl alcohol	8.354	43	73520	56.14	ug/L		62
35) 2,2-dichloropropane	8.820	77	17537	10.15	ug/L		100
36) cis-1,2-dichloroethene	8.530	96	23515	9.85	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82693.D
Acq On : 25 Nov 2013 2:24 pm
Operator : jaclynb
Sample : ic3086-10
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 26 10:01:14 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:00:49 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.354	43	73520	11.14	ug/L		99
38) bromochloromethane	8.704	128	11110	11.71	ug/L	#	79
39) chloroform	8.735	83	41771	10.40	ug/L		99
41) Tetrahydrofuran	9.075	42	6711	11.38	ug/L		89
42) 1,1,1-trichloroethane	9.485	97	30925	11.30	ug/L		93
44) Cyclohexane	9.768	56	42698	11.14	ug/L	#	92
45) carbon tetrachloride	9.849	117	25264	11.86	ug/L		97
46) 1,1-dichloropropene	9.665	75	28957	11.19	ug/L		97
47) benzene	9.891	78	90306	10.26	ug/L		98
48) 1,2-dichloroethane	9.393	62	32863	11.01	ug/L		94
49) tert-amyl methyl ether	9.997	73	32500	10.34	ug/L		89
50) heptane	10.351	43	28283	10.16	ug/L		85
51) trichloroethene	10.510	95	23727	10.58	ug/L		95
52) 1,2-dichloropropane	10.471	63	25713	11.21	ug/L		96
53) dibromomethane	10.450	93	13904	11.23	ug/L		96
54) bromodichloromethane	10.560	83	31301	10.99	ug/L		93
55) Methylcyclohexane	11.019	83	39012	10.43	ug/L		94
56) 2-chloroethyl vinyl ether	10.086	63	65885	9.13	ug/L	#	44
57) methyl methacrylate	10.652	69	12904	11.01	ug/L	#	71
58) 1,4-dioxane	10.652	88	970	47.42	ug/L		84
59) cis-1,3-dichloropropene	11.178	75	32565	11.49	ug/L		99
61) 4-methyl-2-pentanone	11.267	43	21505	11.49	ug/L		96
62) toluene	11.956	92	52113	10.77	ug/L		98
63) trans-1,3-dichloropropene	11.592	75	26434	11.11	ug/L		99
64) 1,1,2-trichloroethane	11.769	83	17655	10.90	ug/L		94
65) ethyl methacrylate	11.963	69	23996	11.19	ug/L		94
67) tetrachloroethene	12.688	166	23306	10.09	ug/L		95
68) 1,3-dichloropropane	12.002	76	32907	10.93	ug/L		98
69) dibromochloromethane	12.295	129	21523	11.08	ug/L		99
70) 1,2-dibromoethane	12.550	107	19801	11.69	ug/L		96
71) 2-hexanone	12.126	43	13846	11.64	ug/L		96
72) chlorobenzene	13.374	112	57385	10.47	ug/L		96
73) 1,1,1,2-tetrachloroethane	13.289	131	18930	10.41	ug/L		97
74) ethylbenzene	13.547	91	101858	10.32	ug/L		97
75) m,p-xylene	13.727	106	80138	20.92	ug/L		94
76) o-xylene	14.144	106	39389	10.27	ug/L		95
77) styrene	14.070	104	57413	11.45	ug/L		91
78) bromoform	13.900	173	14063	11.21	ug/L		99
79) trans-1,4-dichloro-2-b...	14.289	53	4224	10.45	ug/L	#	49
81) isopropylbenzene	14.498	105	102286	11.59	ug/L		94
83) bromobenzene	14.795	156	23306	11.54	ug/L		92
84) 1,1,2,2-tetrachloroethane	14.144	83	25383	10.76	ug/L		98
85) 1,2,3-trichloropropane	14.296	75	24157	11.59	ug/L		100
86) n-propylbenzene	14.947	91	122558	11.47	ug/L		100
87) 2-chlorotoluene	15.067	91	74966	11.54	ug/L		100
88) 4-chlorotoluene	15.145	91	73404	11.60	ug/L		96
89) 1,3,5-trimethylbenzene	15.223	105	85690	10.44	ug/L		93
90) tert-butylbenzene	15.527	91	52692	11.70	ug/L		95
91) 1,2,4-trimethylbenzene	15.633	105	81720	10.39	ug/L		99
92) sec-butylbenzene	15.746	105	117545	11.60	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82693.D
Acq On : 25 Nov 2013 2:24 pm
Operator : jaclynb
Sample : ic3086-10
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 26 10:01:14 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:00:49 2013
Response via : Initial Calibration

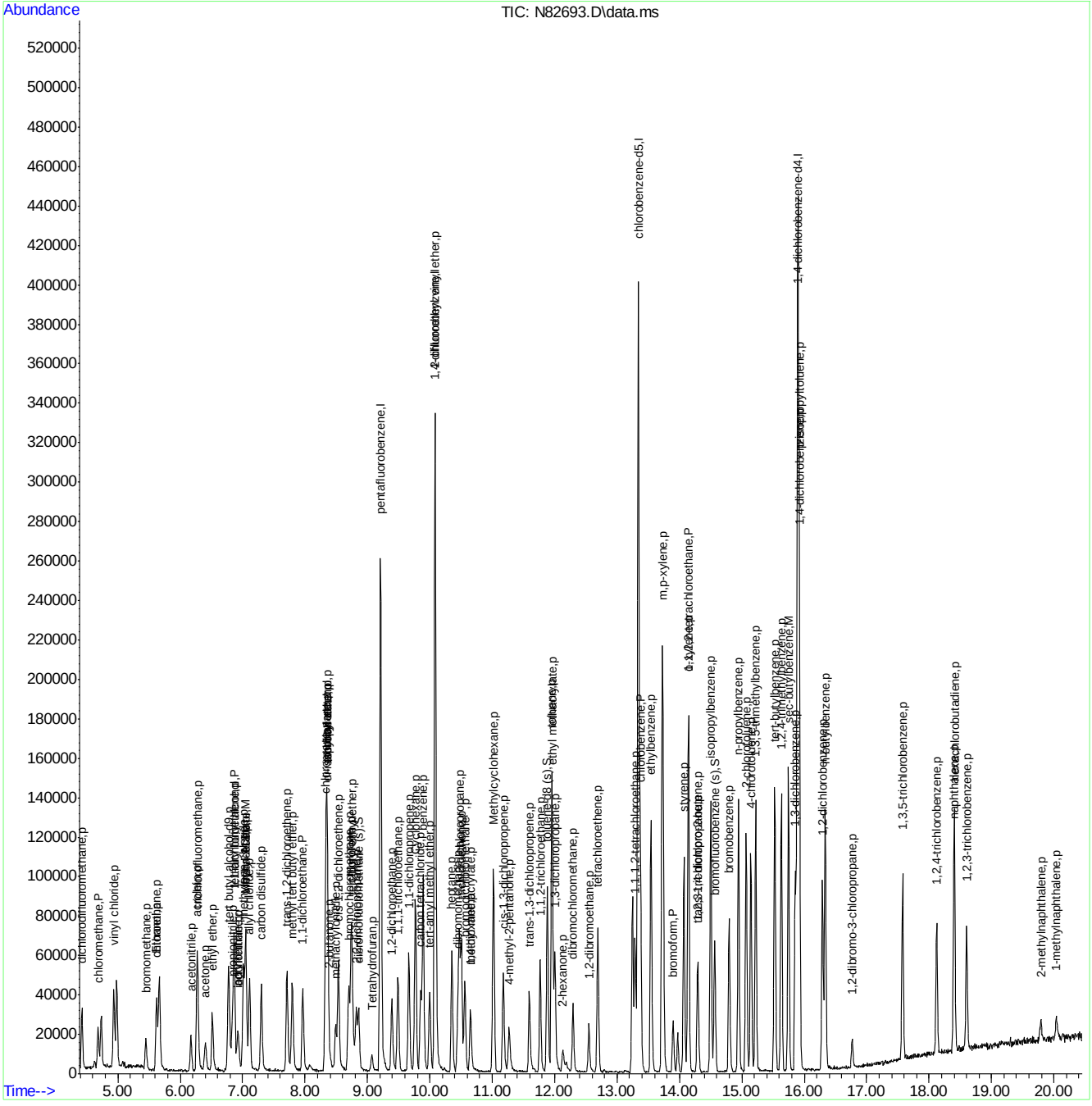
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	15.859	146	44507	10.44	ug/L		96
94) p-isopropyltoluene	15.919	119	87972	11.55	ug/L		97
95) 1,4-dichlorobenzene	15.923	146	42631	10.28	ug/L		98
96) 1,2-dichlorobenzene	16.290	146	42088	10.04	ug/L		96
97) n-butylbenzene	16.336	91	82991	11.22	ug/L		100
98) 1,2-dibromo-3-chloropr...	16.768	75	4026	11.12	ug/L		85
99) 1,2,4-trichlorobenzene	18.118	180	22514	10.96	ug/L		96
100) 1,3,5-trichlorobenzene	17.577	180	30900	11.19	ug/L		98
101) hexachlorobutadiene	18.408	225	19474	11.35	ug/L		96
102) naphthalene	18.394	128	39790	12.39	ug/L		100
103) 1,2,3-trichlorobenzene	18.602	180	21712	10.69	ug/L		94
104) 2-methylnaphthalene	19.794	142	6345	5.11	ug/L	#	93
105) 1-methylnaphthalene	20.041	142	6392m	4.26	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82693.D
Acq On : 25 Nov 2013 2:24 pm
Operator : jaclynb
Sample : ic3086-10
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 26 10:01:14 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:00:49 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 11/26/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82694.D
Acq On : 25 Nov 2013 2:51 pm
Operator : jaclynb
Sample : ic3086-25
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 26 10:01:50 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:01:33 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.773	65	93115	500.00	ug/L		0.00
4) pentafluorobenzene	9.213	168	198296	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	305568	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	163352	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	132207	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	48473	32.28	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 64.56%#				
60) toluene-d8 (s)	11.882	98	188048	30.66	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 61.32%#				
82) bromofluorobenzene (s)	14.561	95	71840	26.51	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 53.02%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.858	59	57568	226.84	ug/L		92
3) Ethanol	5.621	45	86436	2229.27	ug/L		100
5) dichlorodifluoromethane	4.426	85	71781	23.83	ug/L		98
6) chloromethane	4.684	50	61495	20.91	ug/L		98
7) vinyl chloride	4.938	62	82015	22.46	ug/L		95
8) bromomethane	5.451	96	30187	26.15	ug/L		93
9) chloroethane	5.621	64	37234	24.49	ug/L		89
10) ethyl ether	6.512	59	48877	22.81	ug/L		98
11) acetonitrile	6.169	41	20648	11.68	ug/L		99
12) trichlorofluoromethane	6.275	101	97044	23.67	ug/L		93
13) freon-113	7.053	101	54580	23.67	ug/L		98
14) acrolein	6.268	56	62489	134.14	ug/L		100
15) 1,1-dichloroethene	6.862	96	49387	19.99	ug/L		89
16) acetone	6.406	58	8569	25.78	ug/L	#	60
17) Methyl Acetate	7.042	43	88293	23.96	ug/L	#	94
18) methylene chloride	7.010	84	56644	22.63	ug/L	#	76
19) methyl tert butyl ether	7.791	73	109991	23.01	ug/L		92
20) acrylonitrile	6.918	53	22324	24.20	ug/L		96
21) allyl chloride	7.109	41	89885	25.52	ug/L		88
22) trans-1,2-dichloroethene	7.710	96	52003	22.35	ug/L		94
23) iodomethane	6.925	142	40815	29.08	ug/L		99
24) carbon disulfide	7.300	76	172989	24.33	ug/L		100
25) propionitrile	6.837	54	1081	19.91	ug/L		100
26) vinyl acetate	7.042	43	88293	23.96	ug/L		92
27) chloroprene	8.329	53	91357	25.27	ug/L		86
28) di-isopropyl ether	8.353	45	206862	24.22	ug/L		96
29) methacrylonitrile	8.488	41	39141	27.22	ug/L		98
30) 2-butanone	8.385	72	6705	26.77	ug/L	#	1
31) Hexane	8.339	41	95352	23.88	ug/L	#	83
32) 1,1-dichloroethane	7.965	63	108559	22.39	ug/L		95
33) tert-butyl ethyl ether	8.753	59	92190	28.92	ug/L		93
34) isobutyl alcohol	8.350	43	182146	122.63	ug/L		62
35) 2,2-dichloropropane	8.820	77	54090	28.60	ug/L		97
36) cis-1,2-dichloroethene	8.530	96	57673	22.23	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82694.D
Acq On : 25 Nov 2013 2:51 pm
Operator : jaclynb
Sample : ic3086-25
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 26 10:01:50 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:01:33 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.350	43	183015	24.75	ug/L		95
38) bromochloromethane	8.696	128	25763	24.09	ug/L	#	84
39) chloroform	8.732	83	100233	22.75	ug/L		97
41) Tetrahydrofuran	9.068	42	16264	24.19	ug/L		90
42) 1,1,1-trichloroethane	9.485	97	80697	26.50	ug/L		99
44) Cyclohexane	9.768	56	109243	24.81	ug/L		94
45) carbon tetrachloride	9.856	117	65805	26.67	ug/L		96
46) 1,1-dichloropropene	9.665	75	75302	25.30	ug/L		99
47) benzene	9.891	78	217868	22.07	ug/L		97
48) 1,2-dichloroethane	9.389	62	79304	23.32	ug/L		100
49) tert-amyl methyl ether	10.001	73	82995	23.49	ug/L		91
50) heptane	10.354	43	72642	23.30	ug/L		87
51) trichloroethene	10.507	95	57509	22.75	ug/L		97
52) 1,2-dichloropropane	10.471	63	64044	24.27	ug/L		99
53) dibromomethane	10.446	93	33994	23.85	ug/L		93
54) bromodichloromethane	10.563	83	77022	23.76	ug/L		99
55) Methylcyclohexane	11.019	83	101064	24.00	ug/L		94
56) 2-chloroethyl vinyl ether	10.082	63	72694	9.29	ug/L	#	44
57) methyl methacrylate	10.644	69	33402	24.69	ug/L	#	81
58) 1,4-dioxane	10.655	88	2832	127.27	ug/L		72
59) cis-1,3-dichloropropene	11.175	75	83682	25.81	ug/L		99
61) 4-methyl-2-pentanone	11.267	43	53159	24.23	ug/L		93
62) toluene	11.956	92	128649	23.45	ug/L		97
63) trans-1,3-dichloropropene	11.592	75	68478	25.31	ug/L		94
64) 1,1,2-trichloroethane	11.769	83	43067	23.39	ug/L		94
65) ethyl methacrylate	11.960	69	60192	24.18	ug/L		90
67) tetrachloroethene	12.691	166	57359	21.84	ug/L		92
68) 1,3-dichloropropane	12.002	76	82241	23.62	ug/L		100
69) dibromochloromethane	12.292	129	52243	23.26	ug/L		96
70) 1,2-dibromoethane	12.546	107	48124	24.00	ug/L		99
71) 2-hexanone	12.122	43	36498	25.61	ug/L		99
72) chlorobenzene	13.377	112	140815	22.41	ug/L		97
73) 1,1,1,2-tetrachloroethane	13.285	131	47126	22.67	ug/L		96
74) ethylbenzene	13.543	91	256040	22.71	ug/L		98
75) m,p-xylene	13.731	106	200028	45.63	ug/L		95
76) o-xylene	14.141	106	98043	22.41	ug/L		89
77) styrene	14.070	104	146928	24.91	ug/L		96
78) bromoform	13.900	173	34767	23.82	ug/L		98
79) trans-1,4-dichloro-2-b...	14.289	53	12473	26.78	ug/L	#	60
81) isopropylbenzene	14.501	105	253409	23.69	ug/L		99
83) bromobenzene	14.795	156	57907	23.68	ug/L		98
84) 1,1,2,2-tetrachloroethane	14.144	83	64538	23.17	ug/L		100
85) 1,2,3-trichloropropane	14.296	75	61110	23.88	ug/L		94
86) n-propylbenzene	14.947	91	313583	23.99	ug/L		98
87) 2-chlorotoluene	15.067	91	187119	23.49	ug/L		99
88) 4-chlorotoluene	15.141	91	187865	24.17	ug/L		98
89) 1,3,5-trimethylbenzene	15.223	105	215884	22.37	ug/L		98
90) tert-butylbenzene	15.527	91	132404	23.87	ug/L		97
91) 1,2,4-trimethylbenzene	15.633	105	211103	22.84	ug/L		98
92) sec-butylbenzene	15.746	105	296027	23.79	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82694.D
Acq On : 25 Nov 2013 2:51 pm
Operator : jaclynb
Sample : ic3086-25
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 26 10:01:50 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:01:33 2013
Response via : Initial Calibration

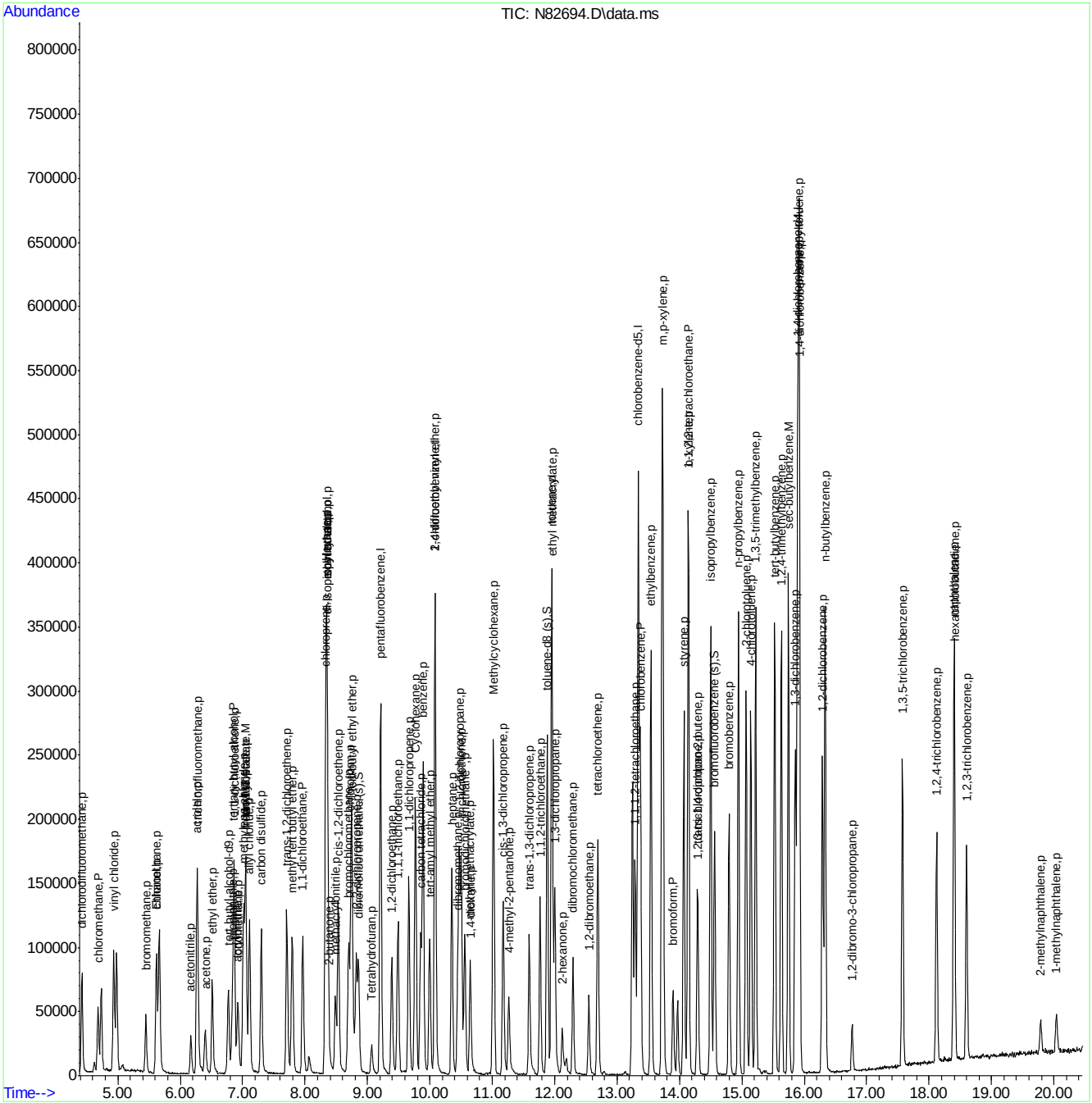
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.855	146	112250	22.38	ug/L	93
94) p-isopropyltoluene	15.916	119	231140	24.75	ug/L	98
95) 1,4-dichlorobenzene	15.926	146	110462	22.73	ug/L	93
96) 1,2-dichlorobenzene	16.290	146	109469	22.38	ug/L	98
97) n-butylbenzene	16.333	91	224051	24.96	ug/L	95
98) 1,2-dibromo-3-chloropr...	16.764	75	10677	24.39	ug/L	94
99) 1,2,4-trichlorobenzene	18.118	180	62564	25.32	ug/L	100
100) 1,3,5-trichlorobenzene	17.574	180	80069	23.92	ug/L	98
101) hexachlorobutadiene	18.408	225	48177	23.05	ug/L	92
102) naphthalene	18.397	128	127950	32.62	ug/L	100
103) 1,2,3-trichlorobenzene	18.602	180	60380	24.93	ug/L	98
104) 2-methylnaphthalene	19.790	142	15122m	10.37	ug/L	
105) 1-methylnaphthalene	20.034	142	17259	10.37	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82694.D
Acq On : 25 Nov 2013 2:51 pm
Operator : jaclynb
Sample : ic3086-25
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 26 10:01:50 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:01:33 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82695.D
Acq On : 25 Nov 2013 3:19 pm
Operator : jaclynb
Sample : icc3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 26 09:23:08 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 21 14:14:31 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.766	65	86019	500.00	ug/L		-0.01
4) pentafluorobenzene	9.209	168	205694	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	316548	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	168228	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.891	152	146549	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.855	113	101345	44.70	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.40%				
60) toluene-d8 (s)	11.882	98	386441	44.00	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 88.00%				
82) bromofluorobenzene (s)	14.561	95	151653	45.54	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.08%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.858	59	110979	428.36	ug/L		92
3) Ethanol	5.617	45	167179	4294.67	ug/L		99
5) dichlorodifluoromethane	4.426	85	134632	42.60	ug/L		99
6) chloromethane	4.680	50	118165	35.19	ug/L		97
7) vinyl chloride	4.935	62	157360	40.92	ug/L		99
8) bromomethane	5.447	96	62936	49.74	ug/L		97
9) chloroethane	5.617	64	72614	49.53	ug/L		100
10) ethyl ether	6.512	59	98711	46.14	ug/L		90
12) trichlorofluoromethane	6.275	101	186561	49.07	ug/L		97
13) freon-113	7.052	101	107614	44.77	ug/L		98
14) acrolein	6.264	56	118321	325.14	ug/L		100
15) 1,1-dichloroethene	6.862	96	97156	42.80	ug/L		95
16) acetone	6.398	58	14665	34.80	ug/L	#	74
17) Methyl Acetate	7.042	43	173441	55.63	ug/L	#	94
18) methylene chloride	7.010	84	113983	42.52	ug/L		85
19) methyl tert butyl ether	7.795	73	228392	40.38	ug/L		96
20) acrylonitrile	6.915	53	44952	50.62	ug/L		96
21) allyl chloride	7.105	41	183242	49.44	ug/L		90
22) trans-1,2-dichloroethene	7.706	96	102783	42.00	ug/L		92
23) iodomethane	6.929	142	94678	40.21	ug/L		93
24) carbon disulfide	7.300	76	348439	44.15	ug/L		100
25) propionitrile	6.847	54	2208	60.82	ug/L		100
26) vinyl acetate	7.042	43	173441	55.63	ug/L		88
27) chloroprene	8.329	53	186388	44.09	ug/L		91
28) di-isopropyl ether	8.353	45	421731	45.64	ug/L		95
29) methacrylonitrile	8.481	41	71421	46.20	ug/L		89
30) 2-butanone	8.371	72	13777	39.80	ug/L	#	20
31) Hexane	8.339	41	192370	43.79	ug/L	#	82
32) 1,1-dichloroethane	7.965	63	218485	43.42	ug/L		98
33) tert-butyl ethyl ether	8.749	59	227525	39.35	ug/L		95
34) isobutyl alcohol	8.350	43	359018	220.65	ug/L		65
35) 2,2-dichloropropane	8.820	77	129870	43.84	ug/L		100
36) cis-1,2-dichloroethene	8.530	96	114555	41.92	ug/L		95
37) ethyl acetate	8.350	43	359018	44.13	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82695.D
Acq On : 25 Nov 2013 3:19 pm
Operator : jaclynb
Sample : icc3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 26 09:23:08 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 21 14:14:31 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.700	128	53056	44.82	ug/L		89
39) chloroform	8.739	83	205693	41.60	ug/L		98
41) Tetrahydrofuran	9.068	42	32014	48.42	ug/L		79
42) 1,1,1-trichloroethane	9.488	97	167727	46.88	ug/L		99
44) Cyclohexane	9.768	56	222971	46.96	ug/L		92
45) carbon tetrachloride	9.852	117	140781	45.62	ug/L		95
46) 1,1-dichloropropene	9.665	75	151116	43.21	ug/L		98
47) benzene	9.891	78	445451	40.51	ug/L		99
48) 1,2-dichloroethane	9.389	62	162307	39.78	ug/L		98
49) tert-amyl methyl ether	9.997	73	185901	38.63	ug/L		93
50) heptane	10.351	43	146572	49.03	ug/L		91
51) trichloroethene	10.503	95	120728	40.45	ug/L		91
52) 1,2-dichloropropane	10.475	63	131856	44.42	ug/L		100
53) dibromomethane	10.450	93	69830	39.87	ug/L		94
54) bromodichloromethane	10.559	83	158664	41.08	ug/L		98
55) Methylcyclohexane	11.019	83	205856	45.10	ug/L		95
56) 2-chloroethyl vinyl ether	10.082	63	75210	25.37	ug/L	#	44
57) methyl methacrylate	10.648	69	69056	45.01	ug/L	#	81
58) 1,4-dioxane	10.658	88	5915	247.99	ug/L	#	62
59) cis-1,3-dichloropropene	11.171	75	177455	44.39	ug/L		98
61) 4-methyl-2-pentanone	11.263	43	108008	44.54	ug/L		93
62) toluene	11.952	92	266668	41.94	ug/L		98
63) trans-1,3-dichloropropene	11.588	75	144400	43.15	ug/L		95
64) 1,1,2-trichloroethane	11.769	83	88786	41.34	ug/L		97
65) ethyl methacrylate	11.959	69	127886	44.71	ug/L		87
67) tetrachloroethene	12.691	166	116483	41.53	ug/L		97
68) 1,3-dichloropropane	11.998	76	171452	44.51	ug/L		95
69) dibromochloromethane	12.292	129	111673	42.77	ug/L		97
70) 1,2-dibromoethane	12.546	107	100120	43.29	ug/L		99
71) 2-hexanone	12.115	43	75299	38.32	ug/L		97
72) chlorobenzene	13.374	112	293663	42.40	ug/L		97
73) 1,1,1,2-tetrachloroethane	13.289	131	98591	41.64	ug/L		98
74) ethylbenzene	13.543	91	526148	42.15	ug/L		98
75) m,p-xylene	13.727	106	411916	82.74	ug/L		97
76) o-xylene	14.141	106	204453	41.74	ug/L		100
77) styrene	14.070	104	318157	44.33	ug/L		98
78) bromoform	13.900	173	75843	46.92	ug/L		99
79) trans-1,4-dichloro-2-b...	14.289	53	27623	45.72	ug/L	#	54
81) isopropylbenzene	14.501	105	539982	43.40	ug/L		98
83) bromobenzene	14.798	156	122886	42.74	ug/L		94
84) 1,1,2,2-tetrachloroethane	14.141	83	130986	39.69	ug/L		98
85) 1,2,3-trichloropropane	14.289	75	130243	45.11	ug/L		95
86) n-propylbenzene	14.943	91	660675	43.92	ug/L		98
87) 2-chlorotoluene	15.067	91	393726	43.63	ug/L		100
88) 4-chlorotoluene	15.145	91	398430	44.08	ug/L		97
89) 1,3,5-trimethylbenzene	15.219	105	463787	41.21	ug/L		97
90) tert-butylbenzene	15.527	91	284938	43.14	ug/L		98
91) 1,2,4-trimethylbenzene	15.633	105	448924	41.33	ug/L		96
92) sec-butylbenzene	15.746	105	633279	43.71	ug/L		100
93) 1,3-dichlorobenzene	15.855	146	246273	41.17	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82695.D
Acq On : 25 Nov 2013 3:19 pm
Operator : jaclynb
Sample : icc3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 26 09:23:08 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 21 14:14:31 2013
Response via : Initial Calibration

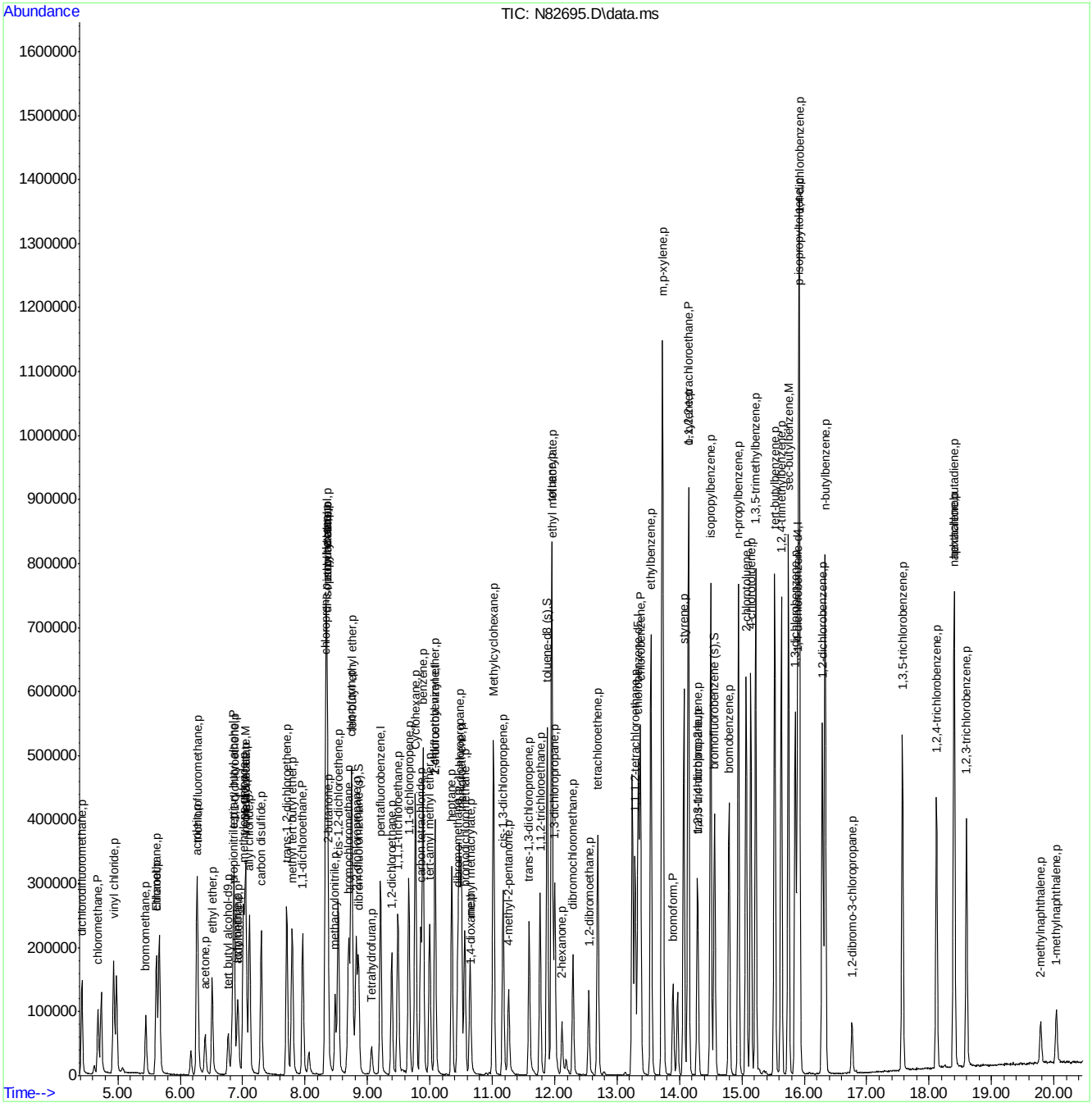
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	p-isopropyltoluene	15.915	119	488949	43.83	ug/L	100
95)	1,4-dichlorobenzene	15.922	146	239802	40.80	ug/L	99
96)	1,2-dichlorobenzene	16.290	146	236419	41.43	ug/L	99
97)	n-butylbenzene	16.333	91	489078	45.19	ug/L	97
98)	1,2-dibromo-3-chloropr...	16.764	75	22214	44.96	ug/L	98
99)	1,2,4-trichlorobenzene	18.118	180	145054	47.02	ug/L	99
100)	1,3,5-trichlorobenzene	17.573	180	175440	45.23	ug/L	99
101)	hexachlorobutadiene	18.404	225	106842	47.75	ug/L	96
102)	naphthalene	18.397	128	308269	49.91	ug/L	100
103)	1,2,3-trichlorobenzene	18.599	180	138615	47.59	ug/L	99
104)	2-methylnaphthalene	19.790	142	39900	22.61	ug/L	99
105)	1-methylnaphthalene	20.038	142	49129	24.52	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82695.D
Acq On : 25 Nov 2013 3:19 pm
Operator : jaclynb
Sample : icc3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 26 09:23:08 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 21 14:14:31 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82696.D
Acq On : 25 Nov 2013 3:47 pm
Operator : jaclynb
Sample : ic3086-100
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 26 10:02:07 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:00 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.770	65	93337	500.00	ug/L		0.00
4) pentafluorobenzene	9.213	168	222712	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	337754	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	182530	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	164723	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	216903	123.47	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 246.94%#				
60) toluene-d8 (s)	11.878	98	826763	118.12	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 236.24%#				
82) bromofluorobenzene (s)	14.561	95	332237	97.55	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 195.10%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.855	59	231581	927.54	ug/L		97
3) Ethanol	5.614	45	338496	8902.20	ug/L		100
5) dichlorodifluoromethane	4.426	85	285963	85.11	ug/L		98
6) chloromethane	4.680	50	265748	82.40	ug/L		100
7) vinyl chloride	4.931	62	332134	82.19	ug/L		98
8) bromomethane	5.447	96	139134	106.34	ug/L		98
9) chloroethane	5.614	64	154012	90.45	ug/L		100
10) ethyl ether	6.512	59	213847	89.97	ug/L		93
11) acetonitrile	6.169	41	33086	18.04	ug/L		98
12) trichlorofluoromethane	6.275	101	394150	86.26	ug/L		99
13) freon-113	7.053	101	232266	90.47	ug/L		99
14) acrolein	6.261	56	262890	493.42	ug/L		100
15) 1,1-dichloroethene	6.865	96	203529	75.51	ug/L		96
16) acetone	6.398	58	27093	72.02	ug/L	#	75
17) Methyl Acetate	7.038	43	361687	88.32	ug/L		96
18) methylene chloride	7.010	84	246333	89.01	ug/L	#	82
19) methyl tert butyl ether	7.795	73	558565	105.22	ug/L		96
20) acrylonitrile	6.915	53	93999	91.45	ug/L		99
21) allyl chloride	7.106	41	401380	100.95	ug/L		91
22) trans-1,2-dichloroethene	7.710	96	223490	86.85	ug/L		94
23) iodomethane	6.929	142	241805	147.37	ug/L		96
24) carbon disulfide	7.296	76	753059	94.82	ug/L		99
25) propionitrile	6.833	54	4019	70.70	ug/L		100
26) vinyl acetate	7.038	43	361687	88.32	ug/L		92
27) chloroprene	8.329	53	416337	102.34	ug/L		93
28) di-isopropyl ether	8.354	45	907912	95.26	ug/L		98
29) methacrylonitrile	8.481	41	152992	93.08	ug/L		87
30) 2-butanone	8.371	72	28516	99.62	ug/L	#	16
31) Hexane	8.339	41	414810	93.55	ug/L	#	85
32) 1,1-dichloroethane	7.961	63	477882	89.10	ug/L		99
33) tert-butyl ethyl ether	8.749	59	587416	159.08	ug/L		93
34) isobutyl alcohol	8.350	43	767302	462.15	ug/L		72
35) 2,2-dichloropropane	8.824	77	315900	143.53	ug/L		98
36) cis-1,2-dichloroethene	8.534	96	249356	86.96	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82696.D
Acq On : 25 Nov 2013 3:47 pm
Operator : jaclynb
Sample : ic3086-100
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 26 10:02:07 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:00 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.350	43	770306	92.95	ug/L		91
38) bromochloromethane	8.696	128	115625	96.85	ug/L		91
39) chloroform	8.735	83	446914	91.50	ug/L		97
41) Tetrahydrofuran	9.061	42	68995	92.12	ug/L		93
42) 1,1,1-trichloroethane	9.488	97	373765	108.34	ug/L		99
44) Cyclohexane	9.771	56	487208	100.25	ug/L		94
45) carbon tetrachloride	9.852	117	316245	114.67	ug/L		100
46) 1,1-dichloropropene	9.665	75	332581	100.85	ug/L		99
47) benzene	9.891	78	986017	91.89	ug/L		100
48) 1,2-dichloroethane	9.389	62	359414	96.71	ug/L		98
49) tert-amyl methyl ether	9.997	73	477914	123.63	ug/L		93
50) heptane	10.351	43	325607	95.57	ug/L		85
51) trichloroethene	10.507	95	263508	95.54	ug/L		98
52) 1,2-dichloropropane	10.475	63	294016	101.39	ug/L		99
53) dibromomethane	10.446	93	157207	100.70	ug/L		95
54) bromodichloromethane	10.560	83	355170	99.93	ug/L		95
55) Methylcyclohexane	11.019	83	453408	98.05	ug/L		95
56) 2-chloroethyl vinyl ether	10.082	63	81055	11.12	ug/L	#	44
57) methyl methacrylate	10.644	69	156693	105.10	ug/L		83
58) 1,4-dioxane	10.648	88	12112	489.49	ug/L		90
59) cis-1,3-dichloropropene	11.171	75	407757	113.25	ug/L		99
61) 4-methyl-2-pentanone	11.260	43	238714	99.21	ug/L		93
62) toluene	11.952	92	588550	98.07	ug/L		97
63) trans-1,3-dichloropropene	11.592	75	334618	111.68	ug/L		100
64) 1,1,2-trichloroethane	11.765	83	195867	97.29	ug/L		98
65) ethyl methacrylate	11.960	69	284159	104.13	ug/L		88
67) tetrachloroethene	12.691	166	262551	91.11	ug/L		98
68) 1,3-dichloropropane	12.002	76	376026	97.54	ug/L		97
69) dibromochloromethane	12.292	129	257288	103.56	ug/L		97
70) 1,2-dibromoethane	12.546	107	225845	101.61	ug/L		100
71) 2-hexanone	12.112	43	166034	103.64	ug/L		96
72) chlorobenzene	13.374	112	649058	94.08	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.289	131	226282	98.72	ug/L		97
74) ethylbenzene	13.543	91	1172691	94.51	ug/L		98
75) m,p-xylene	13.727	106	917282	189.63	ug/L		97
76) o-xylene	14.144	106	455860	94.64	ug/L		96
77) styrene	14.070	104	717860	108.99	ug/L		96
78) bromoform	13.897	173	176098	108.83	ug/L		98
79) trans-1,4-dichloro-2-b...	14.286	53	69148	130.53	ug/L	#	77
81) isopropylbenzene	14.501	105	1209307	91.68	ug/L		98
83) bromobenzene	14.795	156	282272	93.63	ug/L		97
84) 1,1,2,2-tetrachloroethane	14.141	83	292637	85.21	ug/L		96
85) 1,2,3-trichloropropane	14.289	75	303479	96.27	ug/L		100
86) n-propylbenzene	14.947	91	1473442	91.40	ug/L		100
87) 2-chlorotoluene	15.071	91	884644	90.51	ug/L		98
88) 4-chlorotoluene	15.145	91	895177	93.21	ug/L		99
89) 1,3,5-trimethylbenzene	15.223	105	1042222	88.22	ug/L		96
90) tert-butylbenzene	15.527	91	630730	92.30	ug/L		97
91) 1,2,4-trimethylbenzene	15.629	105	1015835	89.49	ug/L		99
92) sec-butylbenzene	15.746	105	1410200	92.08	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82696.D
Acq On : 25 Nov 2013 3:47 pm
Operator : jaclynb
Sample : ic3086-100
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 26 10:02:07 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:00 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.855	146	559242	91.09	ug/L	98
94) p-isopropyltoluene	15.916	119	1102310	94.96	ug/L	99
95) 1,4-dichlorobenzene	15.923	146	546634	91.66	ug/L	96
96) 1,2-dichlorobenzene	16.290	146	542663	90.61	ug/L	99
97) n-butylbenzene	16.333	91	1114273	99.68	ug/L	100
98) 1,2-dibromo-3-chloropr...	16.768	75	51950	95.82	ug/L	98
99) 1,2,4-trichlorobenzene	18.118	180	348256	112.75	ug/L	98
100) 1,3,5-trichlorobenzene	17.574	180	399513	96.84	ug/L	98
101) hexachlorobutadiene	18.408	225	243129	95.20	ug/L	98
102) naphthalene	18.394	128	754662	146.95	ug/L	100
103) 1,2,3-trichlorobenzene	18.602	180	325721	108.01	ug/L	100
104) 2-methylnaphthalene	19.787	142	123150	70.78	ug/L	100
105) 1-methylnaphthalene	20.041	142	132118	66.56	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

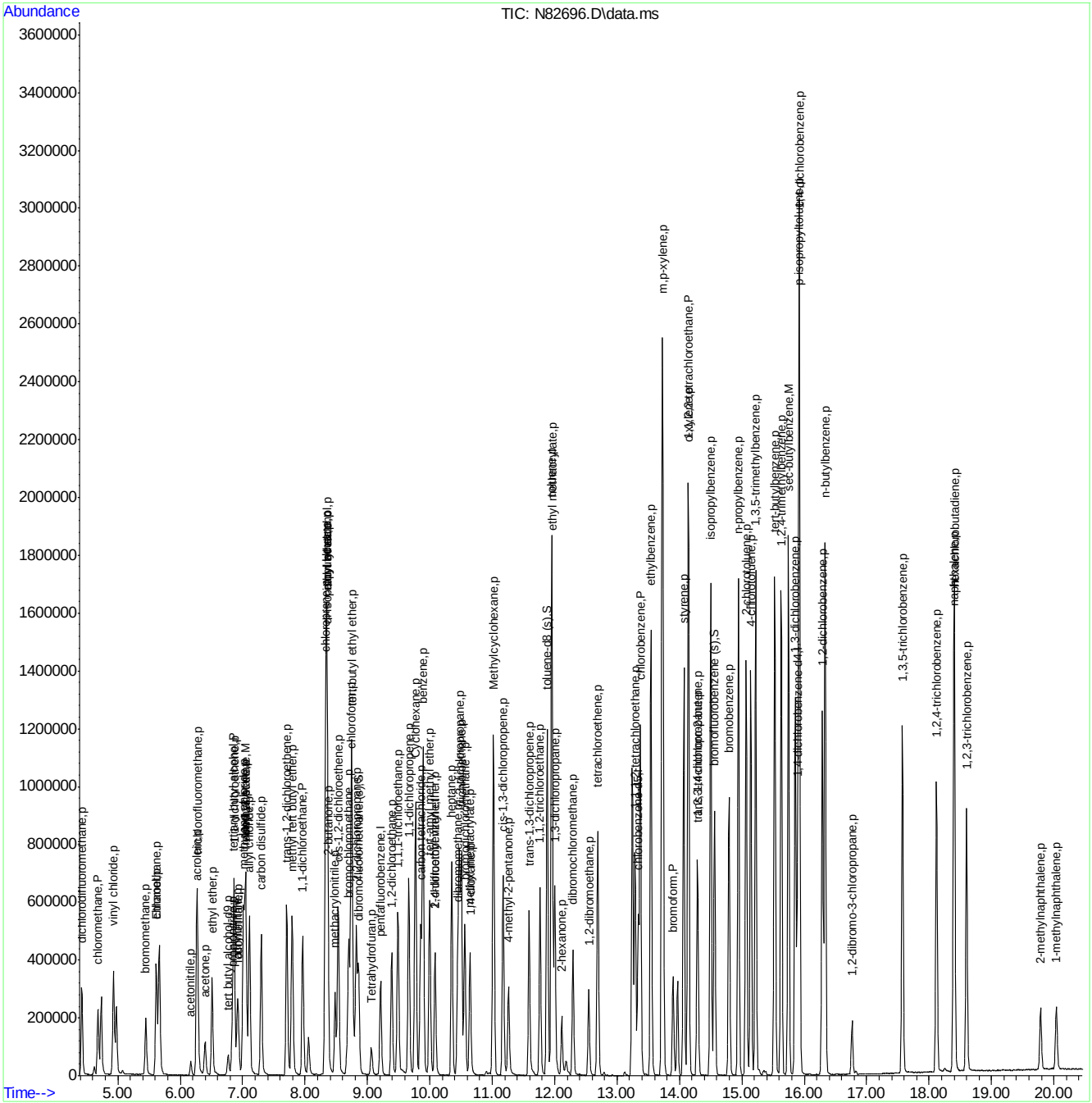
7.6.8

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82696.D
Acq On : 25 Nov 2013 3:47 pm
Operator : jaclynb
Sample : ic3086-100
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 26 10:02:07 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:00 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82697.D
Acq On : 25 Nov 2013 4:15 pm
Operator : jaclynb
Sample : ic3086-200
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 26 10:02:29 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.766	65	82125	500.00	ug/L		0.00
4) pentafluorobenzene	9.209	168	232263	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	356468	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	193054	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	177219	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.856	113	442950	234.89	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 469.78%#				
60) toluene-d8 (s)	11.878	98	1632191	216.06	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 432.12%#				
82) bromofluorobenzene (s)	14.562	95	692987	189.70	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 379.40%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.855	59	447480	2061.86	ug/L		99
3) Ethanol	5.617	45	652899	19878.69	ug/L		100
5) dichlorodifluoromethane	4.422	85	536093	155.90	ug/L		98
6) chloromethane	4.680	50	550408	167.32	ug/L		97
7) vinyl chloride	4.928	62	616013	149.49	ug/L		99
8) bromomethane	5.448	96	317451	230.23	ug/L		99
9) chloroethane	5.617	64	300161	171.08	ug/L		97
10) ethyl ether	6.508	59	439904	179.72	ug/L		91
11) acetonitrile	6.169	41	28066	16.35	ug/L		99
12) trichlorofluoromethane	6.275	101	732490	156.40	ug/L		98
13) freon-113	7.049	101	357198	135.25	ug/L		98
14) acrolein	6.261	56	527681	952.19	ug/L		100
15) 1,1-dichloroethene	6.862	96	337001	123.68	ug/L		91
16) acetone	6.395	58	48752	131.63	ug/L		86
17) Methyl Acetate	7.035	43	688277	165.01	ug/L	#	94
18) methylene chloride	7.010	84	493402	173.69	ug/L	#	83
19) methyl tert butyl ether	7.791	73	1266806	227.34	ug/L		93
20) acrylonitrile	6.915	53	199863	189.70	ug/L		100
21) allyl chloride	7.106	41	740253	178.19	ug/L		91
22) trans-1,2-dichloroethene	7.707	96	412695	156.34	ug/L		95
23) iodomethane	6.925	142	466468	249.01	ug/L		98
24) carbon disulfide	7.300	76	1280704	155.97	ug/L		99
25) propionitrile	6.833	54	6046	110.05	ug/L		100
26) vinyl acetate	7.035	43	688277	165.01	ug/L		98
27) chloroprene	8.325	53	697524	163.86	ug/L		88
28) di-isopropyl ether	8.354	45	1824740	185.04	ug/L		96
29) methacrylonitrile	8.477	41	319211	188.39	ug/L		92
30) 2-butanone	8.364	72	54866	183.93	ug/L	#	64
31) Hexane	8.343	41	705563	154.57	ug/L	#	99
32) 1,1-dichloroethane	7.965	63	906733	164.35	ug/L		99
33) tert-butyl ethyl ether	8.749	59	1391069	328.85	ug/L		94
34) isobutyl alcohol	8.354	43	1427004	836.82	ug/L		91
35) 2,2-dichloropropane	8.820	77	592300	237.39	ug/L		98
36) cis-1,2-dichloroethene	8.530	96	496239	168.69	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82697.D
Acq On : 25 Nov 2013 4:15 pm
Operator : jaclynb
Sample : ic3086-200
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 26 10:02:29 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:24 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.354	43	1427004	167.07	ug/L		96
38) bromochloromethane	8.700	128	225726	182.12	ug/L		91
39) chloroform	8.735	83	875044	173.64	ug/L		98
41) Tetrahydrofuran	9.064	42	143938	187.24	ug/L		87
42) 1,1,1-trichloroethane	9.488	97	651160	179.12	ug/L		98
44) Cyclohexane	9.768	56	779320	151.88	ug/L		90
45) carbon tetrachloride	9.852	117	534940	180.01	ug/L		96
46) 1,1-dichloropropene	9.662	75	570250	163.61	ug/L		99
47) benzene	9.888	78	1860132	165.93	ug/L		100
48) 1,2-dichloroethane	9.386	62	758420	194.27	ug/L		99
49) tert-amyl methyl ether	9.997	73	1095881	259.83	ug/L		93
50) heptane	10.351	43	540526	151.28	ug/L		87
51) trichloroethene	10.507	95	482034	166.52	ug/L		99
52) 1,2-dichloropropane	10.475	63	596207	194.36	ug/L		99
53) dibromomethane	10.446	93	327524	198.56	ug/L		95
54) bromodichloromethane	10.560	83	734863	195.93	ug/L		98
55) Methylcyclohexane	11.019	83	742034	152.47	ug/L		95
56) 2-chloroethyl vinyl ether	10.082	63	85658	13.54	ug/L	#	44
57) methyl methacrylate	10.641	69	331431	208.51	ug/L		83
58) 1,4-dioxane	10.648	88	25281	973.18	ug/L		78
59) cis-1,3-dichloropropene	11.171	75	881608	228.22	ug/L		97
61) 4-methyl-2-pentanone	11.260	43	493441	194.62	ug/L		92
62) toluene	11.952	92	1115743	176.65	ug/L		98
63) trans-1,3-dichloropropene	11.588	75	744281	231.98	ug/L		98
64) 1,1,2-trichloroethane	11.765	83	413633	195.43	ug/L		99
65) ethyl methacrylate	11.960	69	605353	208.47	ug/L		85
67) tetrachloroethene	12.691	166	465422	154.43	ug/L		95
68) 1,3-dichloropropane	11.998	76	799851	196.86	ug/L		99
69) dibromochloromethane	12.292	129	553879	209.86	ug/L		99
70) 1,2-dibromoethane	12.546	107	491593	208.56	ug/L		99
71) 2-hexanone	12.112	43	333365	195.32	ug/L		94
72) chlorobenzene	13.374	112	1314238	181.65	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.289	131	468964	193.76	ug/L		98
74) ethylbenzene	13.543	91	2221986	170.66	ug/L		98
75) m,p-xylene	13.727	106	1747670	343.82	ug/L		95
76) o-xylene	14.141	106	904247	178.69	ug/L		96
77) styrene	14.067	104	1492306	211.05	ug/L		96
78) bromoform	13.897	173	389570	224.80	ug/L		99
79) trans-1,4-dichloro-2-b...	14.286	53	155400	261.40	ug/L	#	85
81) isopropylbenzene	14.498	105	2266418	161.96	ug/L		99
83) bromobenzene	14.795	156	599272	186.74	ug/L		98
84) 1,1,2,2-tetrachloroethane	14.141	83	612594	168.91	ug/L		95
85) 1,2,3-trichloropropane	14.289	75	645940	191.89	ug/L		98
86) n-propylbenzene	14.943	91	2760278	161.93	ug/L		99
87) 2-chlorotoluene	15.067	91	1748440	169.49	ug/L		99
88) 4-chlorotoluene	15.145	91	1795305	176.15	ug/L		99
89) 1,3,5-trimethylbenzene	15.219	105	2035536	162.89	ug/L		97
90) tert-butylbenzene	15.527	91	1188251	164.16	ug/L		97
91) 1,2,4-trimethylbenzene	15.633	105	2026154	168.43	ug/L		100
92) sec-butylbenzene	15.746	105	2618398	161.47	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82697.D
Acq On : 25 Nov 2013 4:15 pm
Operator : jaclynb
Sample : ic3086-200
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 26 10:02:29 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:24 2013
Response via : Initial Calibration

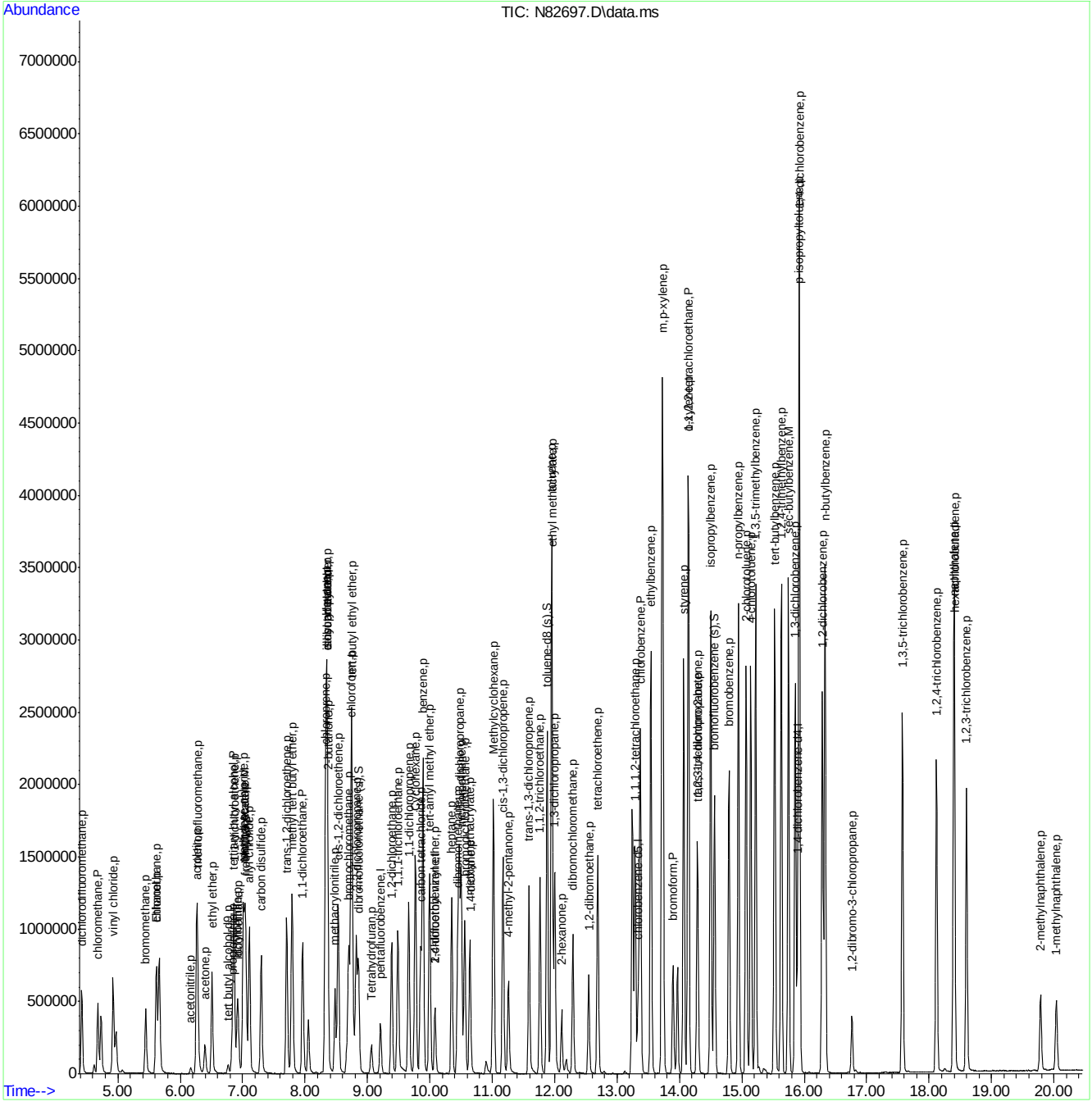
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.855	146	1169408	179.32	ug/L	97
94) p-isopropyltoluene	15.916	119	2096304	169.56	ug/L	99
95) 1,4-dichlorobenzene	15.923	146	1159142	182.84	ug/L	97
96) 1,2-dichlorobenzene	16.290	146	1158453	182.24	ug/L	99
97) n-butylbenzene	16.333	91	2091386	174.00	ug/L	100
98) 1,2-dibromo-3-chloropr...	16.764	75	109852	189.92	ug/L	96
99) 1,2,4-trichlorobenzene	18.118	180	747165	219.25	ug/L	99
100) 1,3,5-trichlorobenzene	17.574	180	835424	189.42	ug/L	99
101) hexachlorobutadiene	18.408	225	444071	163.19	ug/L	97
102) naphthalene	18.394	128	1657101	281.07	ug/L	100
103) 1,2,3-trichlorobenzene	18.599	180	701288	212.74	ug/L	96
104) 2-methylnaphthalene	19.787	142	312184	153.98	ug/L	100
105) 1-methylnaphthalene	20.041	142	300965	132.18	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82697.D
Acq On : 25 Nov 2013 4:15 pm
Operator : jaclynb
Sample : ic3086-200
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 26 10:02:29 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:24 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/26/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82698.D
Acq On : 25 Nov 2013 4:43 pm
Operator : jaclynb
Sample : ic3086-400
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 10:03:02 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:46 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.773	65	88912	500.00	ug/L		0.00
4) pentafluorobenzene	9.209	168	250929	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	390201	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	212619	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.898	152	188551	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.856	113	936468	450.91	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 901.82%#				
60) toluene-d8 (s)	11.882	98	3353774	401.98	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 803.96%#				
82) bromofluorobenzene (s)	14.562	95	1446874	374.41	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 748.82%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.858	59	922204	3907.62	ug/L		93
3) Ethanol	5.624	45	1275880	35912.29	ug/L		99
5) dichlorodifluoromethane	4.422	85	940887	259.62	ug/L		100
6) chloromethane	4.680	50	1132998	324.70	ug/L		99
7) vinyl chloride	4.914	62	1034995	239.20	ug/L		100
8) bromomethane	5.444	96	599799	394.13	ug/L		98
9) chloroethane	5.614	64	544083	291.72	ug/L		97
10) ethyl ether	6.508	59	911680	348.68	ug/L		94
11) acetonitrile	6.172	41	32997	19.82	ug/L		93
12) trichlorofluoromethane	6.275	101	1279012	259.05	ug/L		99
13) freon-113	7.049	101	813384	297.10	ug/L		98
14) acrolein	6.261	56	1083332	1823.97	ug/L		100
15) 1,1-dichloroethene	6.862	96	731911	259.64	ug/L		93
16) acetone	6.395	58	100493	266.31	ug/L		88
17) Methyl Acetate	7.035	43	1377745	314.92	ug/L	#	93
18) methylene chloride	7.010	84	1042347	345.31	ug/L	#	80
19) methyl tert butyl ether	7.791	73	2798975	457.97	ug/L		94
20) acrylonitrile	6.911	53	415642	368.32	ug/L		98
21) allyl chloride	7.106	41	1366738	310.16	ug/L		87
22) trans-1,2-dichloroethene	7.703	96	891236	320.29	ug/L		94
23) iodomethane	6.925	142	832468	395.19	ug/L		96
24) carbon disulfide	7.296	76	2788121	324.50	ug/L		100
25) propionitrile	6.830	54	9002	166.65	ug/L		100
26) vinyl acetate	7.035	43	1377745	314.92	ug/L		100
27) chloroprene	8.325	53	1521788	338.55	ug/L		87
28) di-isopropyl ether	8.354	45	3768593	357.55	ug/L		95
29) methacrylonitrile	8.481	41	686642	378.24	ug/L		88
30) 2-butanone	8.364	72	115923	364.58	ug/L	#	54
31) Hexane	8.339	41	1550910	326.86	ug/L	#	82
32) 1,1-dichloroethane	7.961	63	1940530	332.14	ug/L		99
33) tert-butyl ethyl ether	8.749	59	3254169	652.06	ug/L		95
34) isobutyl alcohol	8.350	43	3016880	1683.33	ug/L		81
35) 2,2-dichloropropane	8.820	77	1349523	485.51	ug/L		99
36) cis-1,2-dichloroethene	8.530	96	1072246	343.35	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82698.D
Acq On : 25 Nov 2013 4:43 pm
Operator : jaclynb
Sample : ic3086-400
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 10:03:02 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:46 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	8.350	43	3017245	334.86	ug/L		99
38) bromochloromethane	8.700	128	463202	349.83	ug/L	#	87
39) chloroform	8.735	83	1883152	351.02	ug/L		96
41) Tetrahydrofuran	9.061	42	306615	373.15	ug/L		84
42) 1,1,1-trichloroethane	9.488	97	1445201	372.30	ug/L		99
44) Cyclohexane	9.768	56	1801731	332.20	ug/L		92
45) carbon tetrachloride	9.852	117	1223531	380.89	ug/L		99
46) 1,1-dichloropropene	9.662	75	1265751	340.62	ug/L		99
47) benzene	9.888	78	4062593	337.46	ug/L		100
48) 1,2-dichloroethane	9.389	62	1594355	374.43	ug/L		98
49) tert-amyl methyl ether	9.997	73	2561923	534.91	ug/L		92
50) heptane	10.351	43	1315055	346.79	ug/L		86
51) trichloroethene	10.507	95	1053596	338.80	ug/L		99
52) 1,2-dichloropropane	10.475	63	1267657	379.05	ug/L		99
53) dibromomethane	10.446	93	709178	393.17	ug/L		96
54) bromodichloromethane	10.560	83	1607080	392.44	ug/L		98
55) Methylcyclohexane	11.019	83	1750907	338.72	ug/L		93
56) 2-chloroethyl vinyl ether	10.082	63	92941	15.89	ug/L	#	45
57) methyl methacrylate	10.644	69	726840	414.80	ug/L	#	79
58) 1,4-dioxane	10.648	88	55050	1946.36	ug/L		89
59) cis-1,3-dichloropropene	11.171	75	1891482	440.41	ug/L		98
61) 4-methyl-2-pentanone	11.260	43	1056657	382.45	ug/L		92
62) toluene	11.952	92	2431905	356.95	ug/L		100
63) trans-1,3-dichloropropene	11.588	75	1631828	456.53	ug/L		100
64) 1,1,2-trichloroethane	11.765	83	882965	382.21	ug/L		98
65) ethyl methacrylate	11.956	69	1333239	416.50	ug/L		84
67) tetrachloroethene	12.691	166	1062360	328.37	ug/L		95
68) 1,3-dichloropropane	12.002	76	1719756	385.08	ug/L		99
69) dibromochloromethane	12.292	129	1211773	414.61	ug/L		99
70) 1,2-dibromoethane	12.546	107	1058302	405.20	ug/L		98
71) 2-hexanone	12.112	43	723819	386.57	ug/L		95
72) chlorobenzene	13.374	112	2856214	362.61	ug/L		98
73) 1,1,1,2-tetrachloroethane	13.289	131	1023158	385.17	ug/L		98
74) ethylbenzene	13.543	91	4911870	348.94	ug/L		97
75) m,p-xylene	13.731	106	3861852	700.78	ug/L		94
76) o-xylene	14.141	106	1982221	359.93	ug/L		95
77) styrene	14.070	104	3258284	415.13	ug/L		96
78) bromoform	13.900	173	870034	448.89	ug/L		100
79) trans-1,4-dichloro-2-b...	14.286	53	351422	510.61	ug/L		88
81) isopropylbenzene	14.501	105	5018159	346.46	ug/L		99
83) bromobenzene	14.795	156	1279851	378.44	ug/L		97
84) 1,1,2,2-tetrachloroethane	14.144	83	1314056	346.54	ug/L		96
85) 1,2,3-trichloropropane	14.289	75	1426482	401.02	ug/L		99
86) n-propylbenzene	14.947	91	6098849	347.30	ug/L		99
87) 2-chlorotoluene	15.071	91	3779159	353.32	ug/L		97
88) 4-chlorotoluene	15.145	91	3895021	366.48	ug/L		99
89) 1,3,5-trimethylbenzene	15.223	105	4407268	339.36	ug/L		98
90) tert-butylbenzene	15.527	91	2631679	352.24	ug/L		96
91) 1,2,4-trimethylbenzene	15.633	105	4396883	350.45	ug/L		100
92) sec-butylbenzene	15.749	105	5807706	347.79	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82698.D
Acq On : 25 Nov 2013 4:43 pm
Operator : jaclynb
Sample : ic3086-400
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 10:03:02 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:46 2013
Response via : Initial Calibration

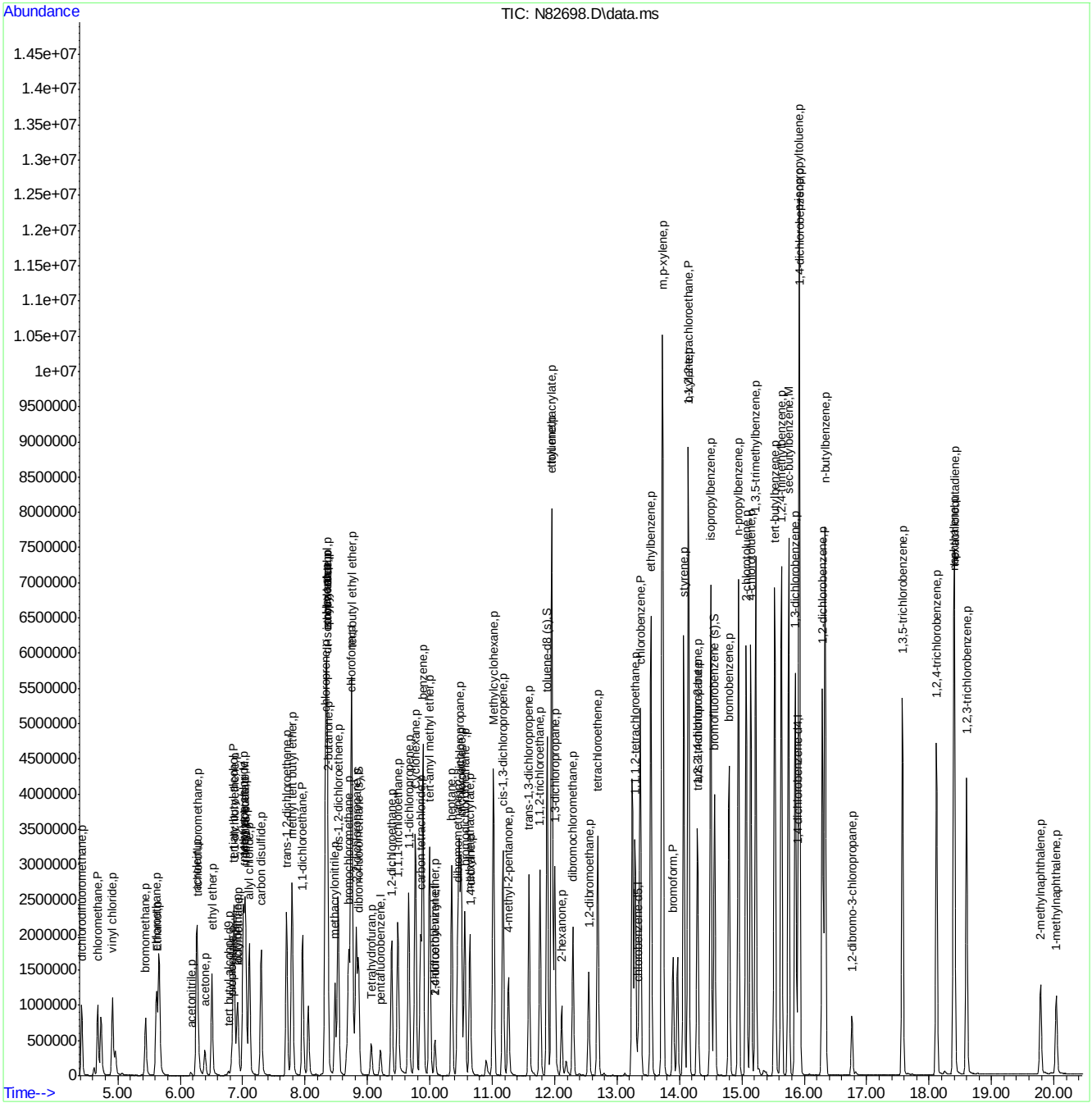
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.855	146	2535988	370.29	ug/L	99
94) p-isopropyltoluene	15.916	119	4545281	354.54	ug/L	99
95) 1,4-dichlorobenzene	15.923	146	2429536	364.10	ug/L	97
96) 1,2-dichlorobenzene	16.290	146	2445595	365.67	ug/L	99
97) n-butylbenzene	16.333	91	4648829	371.59	ug/L	100
98) 1,2-dibromo-3-chloropr...	16.764	75	235945	386.66	ug/L	99
99) 1,2,4-trichlorobenzene	18.118	180	1637650	444.55	ug/L	100
100) 1,3,5-trichlorobenzene	17.574	180	1822370	391.81	ug/L	99
101) hexachlorobutadiene	18.408	225	1064358	379.27	ug/L	98
102) naphthalene	18.394	128	3643111	552.77	ug/L	100
103) 1,2,3-trichlorobenzene	18.602	180	1565855	441.78	ug/L	98
104) 2-methylnaphthalene	19.787	142	769983	327.50	ug/L	100
105) 1-methylnaphthalene	20.038	142	685759m	268.66	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82698.D
Acq On : 25 Nov 2013 4:43 pm
Operator : jaclynb
Sample : ic3086-400
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 10:03:02 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:02:46 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
11/26/13 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82701.D
Acq On : 25 Nov 2013 6:06 pm
Operator : jaclynb
Sample : icv3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 26 10:19:40 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.766	65	70595	500.00	ug/L		0.00
4) pentafluorobenzene	9.213	168	201673	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	306813	50.00	ug/L		0.00
66) chlorobenzene-d5	13.342	82	172427	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.894	152	146557	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.859	113	99416	50.44	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.88%				
60) toluene-d8 (s)	11.882	98	385316	52.00	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.00%				
82) bromofluorobenzene (s)	14.561	95	150108	48.47	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.94%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.854	59	107542	575.58	ug/L		90
3) Ethanol	5.617	45	151086	5425.35	ug/L		99
5) dichlorodifluoromethane	4.422	85	108823	38.72	ug/L		100
6) chloromethane	4.684	50	116278	42.26	ug/L		97
7) vinyl chloride	4.935	62	137997	40.79	ug/L		100
8) bromomethane	5.447	96	60804	49.80	ug/L		92
9) chloroethane	5.617	64	79923	54.80	ug/L		94
10) ethyl ether	6.512	59	93378	45.01	ug/L		93
12) trichlorofluoromethane	6.275	101	176229	46.03	ug/L		98
13) freon-113	7.052	101	104221	48.76	ug/L		96
14) acrolein	6.268	56	19660	41.71	ug/L		94
15) 1,1-dichloroethene	6.865	96	92310	55.77	ug/L		94
16) acetone	6.402	58	10341	37.12	ug/L	#	83
17) Methyl Acetate	7.042	43	125871	36.92	ug/L		95
18) methylene chloride	7.010	84	109098	45.66	ug/L	#	77
19) methyl tert butyl ether	7.798	73	212245	42.59	ug/L		94
20) acrylonitrile	6.911	53	83287	92.88	ug/L		99
21) allyl chloride	7.106	41	167894	48.98	ug/L		92
22) trans-1,2-dichloroethene	7.707	96	102316	46.68	ug/L		95
23) iodomethane	6.925	142	83787	40.94	ug/L		98
24) carbon disulfide	7.296	76	315354	46.77	ug/L		99
25) propionitrile	6.840	54	2441	65.14	ug/L		100
26) vinyl acetate	7.042	43	125871	36.92	ug/L		92
27) chloroprene	8.325	53	189646	53.41	ug/L		86
28) di-isopropyl ether	8.353	45	390773	46.75	ug/L		96
29) methacrylonitrile	8.484	41	66057	45.58	ug/L		91
30) 2-butanone	8.371	72	11688	46.32	ug/L	#	24
31) Hexane	8.343	41	171516	46.18	ug/L		97
32) 1,1-dichloroethane	7.961	63	213854	46.33	ug/L		98
33) tert-butyl ethyl ether	8.753	59	215145	41.92	ug/L		94
34) isobutyl alcohol	8.350	43	325985	231.55	ug/L		70
35) 2,2-dichloropropane	8.820	77	120691	47.20	ug/L		99
36) cis-1,2-dichloroethene	8.534	96	111066	44.89	ug/L		93
37) ethyl acetate	8.350	43	319983	45.10	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82701.D
Acq On : 25 Nov 2013 6:06 pm
Operator : jaclynb
Sample : icv3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 26 10:19:40 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.700	128	52225	49.77	ug/L	#	83
39) chloroform	8.735	83	197012	46.26	ug/L		95
41) Tetrahydrofuran	9.064	42	28831	44.08	ug/L		99
42) 1,1,1-trichloroethane	9.488	97	161106	52.00	ug/L		96
44) Cyclohexane	9.768	56	197411	47.29	ug/L		89
45) carbon tetrachloride	9.856	117	134374	53.48	ug/L		100
46) 1,1-dichloropropene	9.665	75	148077	51.64	ug/L		97
47) benzene	9.891	78	428885	46.03	ug/L		100
48) 1,2-dichloroethane	9.389	62	156307	47.02	ug/L		97
49) tert-amyl methyl ether	9.997	73	174300	44.61	ug/L		93
50) heptane	10.351	43	125828	42.83	ug/L		87
51) trichloroethene	10.506	95	114156	47.41	ug/L		96
52) 1,2-dichloropropane	10.471	63	126655	48.48	ug/L		100
53) dibromomethane	10.450	93	68134	48.14	ug/L		99
54) bromodichloromethane	10.559	83	154870	48.20	ug/L		99
55) Methylcyclohexane	11.019	83	199115	49.84	ug/L		95
57) methyl methacrylate	10.648	69	65714	47.44	ug/L		83
58) 1,4-dioxane	10.658	88	5575	251.81	ug/L	#	67
59) cis-1,3-dichloropropene	11.175	75	163832	48.03	ug/L		98
61) 4-methyl-2-pentanone	11.263	43	103710	48.04	ug/L		93
62) toluene	11.952	92	260775	49.27	ug/L		96
63) trans-1,3-dichloropropene	11.588	75	145810	51.16	ug/L		98
64) 1,1,2-trichloroethane	11.762	83	87591	48.46	ug/L		98
65) ethyl methacrylate	11.956	69	123305	48.70	ug/L		90
67) tetrachloroethene	12.691	166	114818	44.56	ug/L		95
68) 1,3-dichloropropane	11.998	76	164815	45.70	ug/L		99
69) dibromochloromethane	12.292	129	112083	47.12	ug/L		99
70) 1,2-dibromoethane	12.546	107	95586	45.06	ug/L		99
71) 2-hexanone	12.115	43	69940	46.28	ug/L		94
72) chlorobenzene	13.374	112	276984	43.82	ug/L		96
73) 1,1,1,2-tetrachloroethane	13.292	131	101307	47.20	ug/L		98
74) ethylbenzene	13.543	91	528918	47.00	ug/L		98
75) m,p-xylene	13.727	106	399228	90.45	ug/L		96
76) o-xylene	14.141	106	196722	44.49	ug/L		96
77) styrene	14.070	104	316255	49.45	ug/L		96
78) bromoform	13.897	173	74606	46.83	ug/L		99
79) trans-1,4-dichloro-2-b...	14.286	53	26258	45.26	ug/L	#	55
81) isopropylbenzene	14.498	105	526895	47.60	ug/L		99
83) bromobenzene	14.795	156	123939	47.47	ug/L		97
84) 1,1,2,2-tetrachloroethane	14.144	83	134313	46.19	ug/L		95
85) 1,2,3-trichloropropane	14.289	75	131942	47.70	ug/L		100
86) n-propylbenzene	14.943	91	623169	46.53	ug/L		99
87) 2-chlorotoluene	15.071	91	376522	46.06	ug/L		97
88) 4-chlorotoluene	15.145	91	393535	48.21	ug/L		99
89) 1,3,5-trimethylbenzene	15.223	105	461061	46.46	ug/L		99
90) tert-butylbenzene	15.527	91	277953	48.69	ug/L		97
91) 1,2,4-trimethylbenzene	15.633	105	442293	45.99	ug/L		99
92) sec-butylbenzene	15.749	105	628860	49.37	ug/L		99
93) 1,3-dichlorobenzene	15.859	146	246075	46.61	ug/L		94
94) p-isopropyltoluene	15.915	119	504069	51.42	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82701.D
Acq On : 25 Nov 2013 6:06 pm
Operator : jaclynb
Sample : icv3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 26 10:19:40 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	1,4-dichlorobenzene	15.923	146	249045	48.50	ug/L	96
96)	1,2-dichlorobenzene	16.290	146	235409	45.72	ug/L	99
97)	n-butylbenzene	16.333	91	499317	51.87	ug/L	99
98)	1,2-dibromo-3-chloropr...	16.764	75	21805	46.19	ug/L	94
99)	1,2,4-trichlorobenzene	18.118	180	149858	51.52	ug/L	98
100)	1,3,5-trichlorobenzene	17.574	180	179376	49.76	ug/L	99
101)	hexachlorobutadiene	18.408	225	115042	53.13	ug/L	95
102)	naphthalene	18.394	128	312066m	52.80	ug/L	
103)	1,2,3-trichlorobenzene	18.599	180	139934	50.05	ug/L	96
104)	2-methylnaphthalene	19.790	142	43991	23.75	ug/L	99
105)	1-methylnaphthalene	20.038	142	50656	23.21	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

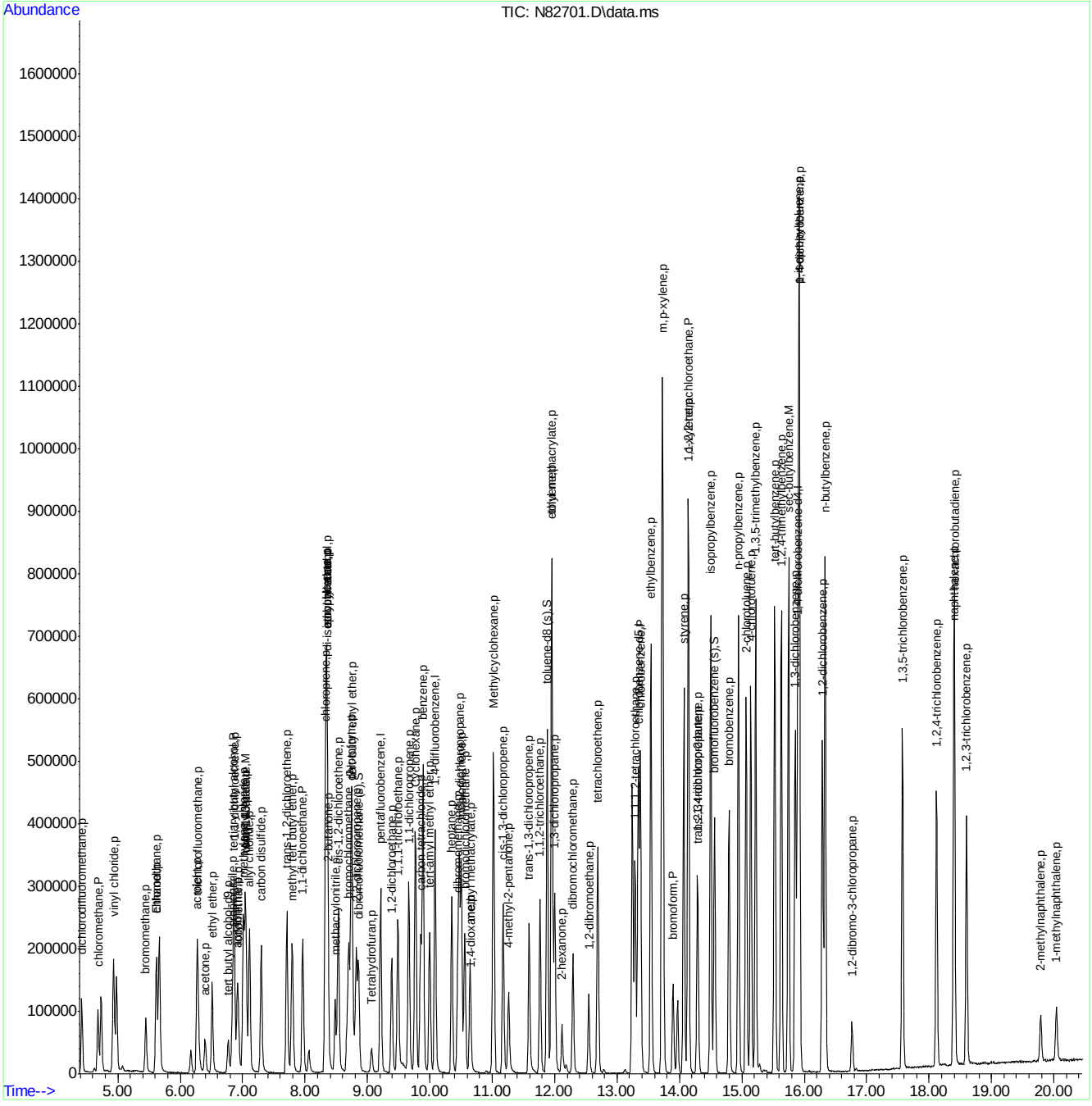
7.6.11

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131125\
Data File : N82701.D
Acq On : 25 Nov 2013 6:06 pm
Operator : jaclynb
Sample : icv3086-50
Misc : ms30628,MSN3086,,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 26 10:19:40 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83672.D
Acq On : 27 Dec 2013 8:58 am
Operator : jaclynb
Sample : bs
Misc : ms30887,MSN3123,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 27 09:23:25 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.766	65	112119	500.00	ug/L		0.00
4) pentafluorobenzene	9.209	168	236117	50.00	ug/L		0.00
43) 1,4-difluorobenzene	10.082	114	361886	50.00	ug/L		0.00
66) chlorobenzene-d5	13.338	82	194477	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	15.891	152	164606	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.856	113	105663	45.79	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.58%				
60) toluene-d8 (s)	11.878	98	433993	49.66	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.32%				
82) bromofluorobenzene (s)	14.558	95	167867	48.26	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.52%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.855	59	147599	497.40	ug/L		90
3) Ethanol	5.617	45	208647	4717.48	ug/L		98
5) dichlorodifluoromethane	4.426	85	144120	43.80	ug/L		97
6) chloromethane	4.684	50	177712	55.16	ug/L		99
7) vinyl chloride	4.935	62	162013	40.90	ug/L		100
8) bromomethane	5.451	96	72276	50.56	ug/L		99
9) chloroethane	5.617	64	91698	53.70	ug/L		97
10) ethyl ether	6.512	59	119292	49.12	ug/L		94
12) trichlorofluoromethane	6.278	101	190731	42.55	ug/L		96
13) freon-113	7.049	101	122850	49.09	ug/L		94
14) acrolein	6.264	56	25204	45.67	ug/L		94
15) 1,1-dichloroethene	6.862	96	110995	57.49	ug/L		98
16) acetone	6.399	58	12658	39.52	ug/L	#	80
17) Methyl Acetate	7.038	43	175228	43.90	ug/L		98
18) methylene chloride	7.010	84	131842	47.13	ug/L	#	84
19) methyl tert butyl ether	7.795	73	240059	41.15	ug/L		96
20) acrylonitrile	6.915	53	115439	109.96	ug/L		97
21) allyl chloride	7.106	41	225249	56.12	ug/L		97
22) trans-1,2-dichloroethene	7.707	96	120005	46.76	ug/L		94
23) iodomethane	6.925	142	102952	42.74	ug/L		95
24) carbon disulfide	7.297	76	385041	48.78	ug/L		99
25) propionitrile	6.840	54	3184	75.19	ug/L		100
26) vinyl acetate	7.038	43	175228	43.90	ug/L		94
27) chloroprene	8.325	53	226438	54.46	ug/L		88
28) di-isopropyl ether	8.354	45	488922	49.96	ug/L		94
29) methacrylonitrile	8.481	41	92205	54.35	ug/L		99
30) 2-butanone	8.368	72	13973	47.30	ug/L	#	44
31) Hexane	8.339	41	225427	51.84	ug/L	#	85
32) 1,1-dichloroethane	7.961	63	254493	47.09	ug/L		98
33) tert-butyl ethyl ether	8.750	59	252990	42.06	ug/L		94
34) isobutyl alcohol	8.347	43	415718	252.21	ug/L		57
35) 2,2-dichloropropane	8.820	77	157831	52.40	ug/L		99
36) cis-1,2-dichloroethene	8.530	96	129546	44.72	ug/L		97
37) ethyl acetate	8.347	43	415718	50.05	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83672.D
Acq On : 27 Dec 2013 8:58 am
Operator : jaclynb
Sample : bs
Misc : ms30887,MSN3123,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 27 09:23:25 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	8.697	128	59076	48.09	ug/L		93
39) chloroform	8.735	83	222787	44.68	ug/L		96
41) Tetrahydrofuran	9.061	42	41208	53.81	ug/L		91
42) 1,1,1-trichloroethane	9.488	97	182651	50.35	ug/L		97
44) Cyclohexane	9.768	56	259996	52.81	ug/L		95
45) carbon tetrachloride	9.853	117	152955	51.62	ug/L		100
46) 1,1-dichloropropene	9.662	75	176727	52.25	ug/L		95
47) benzene	9.888	78	509844	46.39	ug/L		99
48) 1,2-dichloroethane	9.389	62	176972	45.13	ug/L		98
49) tert-amyl methyl ether	9.998	73	185633	40.28	ug/L		92
50) heptane	10.347	43	188519	54.41	ug/L		90
51) trichloroethene	10.503	95	136732	48.15	ug/L		95
52) 1,2-dichloropropane	10.471	63	149732	48.59	ug/L		100
53) dibromomethane	10.446	93	78869	47.25	ug/L		90
54) bromodichloromethane	10.560	83	174346	46.00	ug/L		99
55) Methylcyclohexane	11.016	83	241618	51.27	ug/L		95
57) methyl methacrylate	10.644	69	84651	51.82	ug/L		88
58) 1,4-dioxane	10.652	88	7329	280.65	ug/L	#	67
59) cis-1,3-dichloropropene	11.171	75	197337	49.05	ug/L		100
61) 4-methyl-2-pentanone	11.260	43	140587	55.21	ug/L		94
62) toluene	11.953	92	304396	48.76	ug/L		97
63) trans-1,3-dichloropropene	11.588	75	175296	52.14	ug/L		99
64) 1,1,2-trichloroethane	11.765	83	103870	48.72	ug/L		97
65) ethyl methacrylate	11.956	69	156448	52.39	ug/L		91
67) tetrachloroethene	12.688	166	133903	46.08	ug/L		96
68) 1,3-dichloropropane	11.998	76	194459	47.80	ug/L		100
69) dibromochloromethane	12.292	129	129793	48.37	ug/L		94
70) 1,2-dibromoethane	12.546	107	115560	48.29	ug/L		97
71) 2-hexanone	12.115	43	98111	57.56	ug/L		96
72) chlorobenzene	13.374	112	323206	45.33	ug/L		99
73) 1,1,1,2-tetrachloroethane	13.285	131	114011	47.10	ug/L		98
74) ethylbenzene	13.543	91	605016	47.67	ug/L		97
75) m,p-xylene	13.724	106	462359	92.88	ug/L		99
76) o-xylene	14.141	106	227748	45.67	ug/L		100
77) styrene	14.067	104	365610	50.69	ug/L		96
78) bromoform	13.893	173	90206	50.20	ug/L		100
79) trans-1,4-dichloro-2-b...	14.286	53	36959	56.48	ug/L	#	60
81) isopropylbenzene	14.498	105	603101	48.51	ug/L		97
83) bromobenzene	14.795	156	141534	48.26	ug/L		99
84) 1,1,2,2-tetrachloroethane	14.137	83	168348	51.54	ug/L		99
85) 1,2,3-trichloropropane	14.286	75	169829	54.67	ug/L		100
86) n-propylbenzene	14.943	91	706971	47.00	ug/L		98
87) 2-chlorotoluene	15.067	91	429408	46.77	ug/L		99
88) 4-chlorotoluene	15.141	91	448067	48.88	ug/L		99
89) 1,3,5-trimethylbenzene	15.219	105	529989	47.55	ug/L		98
90) tert-butylbenzene	15.523	91	312789	48.79	ug/L		97
91) 1,2,4-trimethylbenzene	15.629	105	506914	46.93	ug/L		99
92) sec-butylbenzene	15.742	105	719632	50.30	ug/L		100
93) 1,3-dichlorobenzene	15.852	146	285059	48.07	ug/L		96
94) p-isopropyltoluene	15.916	119	570955	51.86	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83672.D
Acq On : 27 Dec 2013 8:58 am
Operator : jaclynb
Sample : bs
Misc : ms30887,MSN3123,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 27 09:23:25 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration

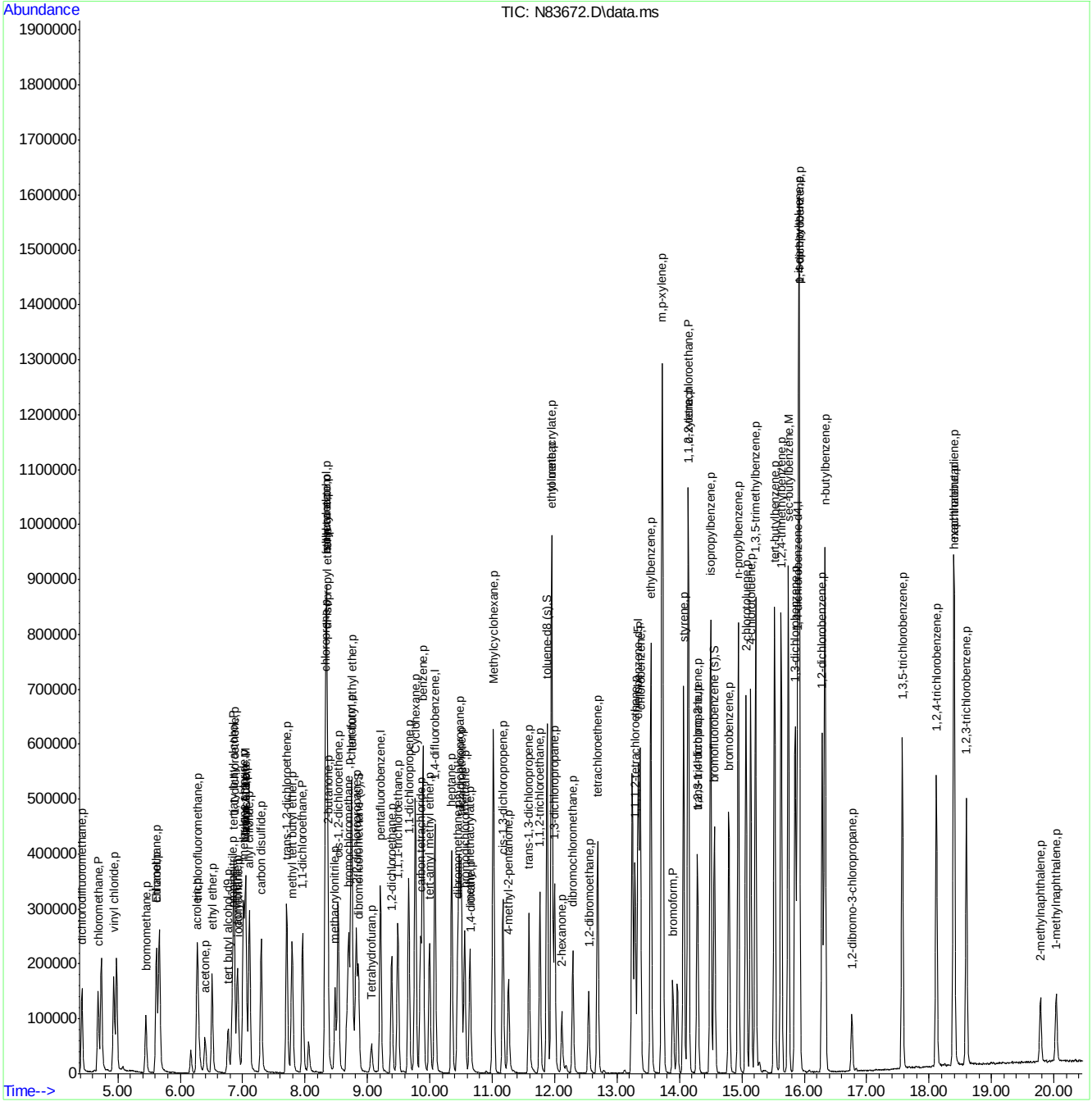
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) 1,4-dichlorobenzene	15.919	146	279874	48.53	ug/L	97
96) 1,2-dichlorobenzene	16.287	146	268577	46.44	ug/L	98
97) n-butylbenzene	16.333	91	587197	54.31	ug/L	100
98) 1,2-dibromo-3-chloropr...	16.761	75	28359	53.49	ug/L	97
99) 1,2,4-trichlorobenzene	18.118	180	187494	57.39	ug/L	97
100) 1,3,5-trichlorobenzene	17.574	180	208607	51.53	ug/L	98
101) hexachlorobutadiene	18.404	225	131997	54.28	ug/L	99
102) naphthalene	18.394	128	423786	63.84	ug/L	100
103) 1,2,3-trichlorobenzene	18.599	180	176520	56.21	ug/L	97
104) 2-methylnaphthalene	19.780	142	68671	29.34	ug/L	99
105) 1-methylnaphthalene	20.038	142	74332	28.98	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\N131227\
Data File : N83672.D
Acq On : 27 Dec 2013 8:58 am
Operator : jaclynb
Sample : bs
Misc : ms30887,MSN3123,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 27 09:23:25 2013
Quant Method : C:\msdchem\1\methods\n131125w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Nov 26 10:17:34 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC27399

Accutest Laboratories of New England, Inc. **Instrument: GCMS N**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9478	8260 CC	200ug/mL
457	CCgas	〃
450	bs	
462	bsgas	〃
440	SS	〃
396	IS	125ppm

Daily Saved File

Tune file 1:	N82687
Tune file 2:	
Initial Cal:	11/25/13
ID File:	N131125
ICAL Verified:	JSB
Sequence verified:	JSB

Date: 11/25/13

Batch ID: MSN3086

Analysts JSB

Signature: JSB

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
N82680	lblk	NA	NA	NA	15	NA	5mL	NA	1:1	NA	
681	CC3048-50	3/2			16						Int. ↑
682	bs	3/2			17						
683	bsd	〃			18						Recurve
684	lblk	NA			15						✓
685	lblk				16						✓
686	lblk				17						✓
687	bPb				18						✓✓
688	lblk	〃		〃	19						✓
689	IC3086-0.5	1/2		Curve	20						✓✓
690	-1			8260	21						✓✓
691	-2				22						✓✓
692	-5				23						✓✓
693	-10				24						✓✓
694	-25				25						✓✓
695	ICS3086-50				26						✓✓
696	IC3086-100				27						✓✓
697	-200				28						✓✓
698	-400	〃			29						✓✓
699	lblk	NA			30						✓
700	lblk	〃			31						✓
701	ICV3086-50	3/2			32						✓✓
702	〃	〃			33						✓
703	lblk	NA			34						✓
704	lblk	〃		〃	35	〃	〃	〃	〃	〃	✓

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

Review: JSB 11/26/13

Accutest Laboratories of New England, Inc.

Instrument: GCMS N

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9522	8260 cc	200ug/ml
523	ccgas	"
538	bs	
526	bsgas	"
417	Is/ss	125ppm

Daily Saved File

Tune file 1:	N83672
Tune file 2:	
Initial Cal:	11/25/13
ID File:	N131125
ICAL Verified:	JSB
Sequence verified:	JM

Date: 12/27/13

Batch ID: MSN3123

Analysts JSB

Signature: JSB

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
N83671 ✓	cc3086-50	1/2	NA	NA	15	NA	5mL	NA	1:1	NA	✓
672 ✓	bs				16						✓✓
673 ✓	bsd				17						✓
674	lblk	NA			18						✓
675 ✓	mb				19						✓✓
676	mc27210-14	1	ms30889	STD,MTBE	20	WFB				<2	✓✓
677	-15	1			21	WTB					✓✓
678	mc27399-5	2		SL+	22	WFB					✓✓
679 ✓	mc27393-29	3		TCL42,NAP	23	GW					✓✓
680	mc27297-1	1		STD,MTBE	24						✓✓
681 ✓	mc27342-1	3		SL	25				1:2		✓✓
682 ✓	-2	4			26				1:1		✓✓
683	mc27393-23	3		TCL42,NAP	27						✓✓
684	-24	1			28						✓✓
685	-25	2			29						✓✓
686	-26	2			30						✓✓
687	-27	2			31						✓✓
688	-28	2			32						✓✓
689	mc27399-1	2		SL+	33						✓✓
690	-2	2			34						✓✓
691	-3	2			35						✓✓
692	-4	1			36						✓✓
693	mc27210-2	2	ms30877	STD,MTBE	37						✓✓
694	-12	1	ms30889		38						✓✓
695	-13	1			39						✓✓
696 ✓	mc27393-29ms	3,4,5		TCL42,NAP	40						RRc1:50
697 ✓	-29msd				41						✓✓

12/30/13 JSB

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review:

New England ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2123013W1.PRN Date Analyzed: 12/30/13 Methods: SW846 7470A
Analyst: SA Run ID: MA16610
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:32	MA16610-STD1	1		STD01REP1
13:34	MA16610-STD2	1		STD02REP1
13:37	MA16610-STD3	1		STD03REP1
13:39	MA16610-STD4	1		STD04REP1
13:42	MA16610-STD5	1		STD05REP1
13:44	MA16610-STD6	1		STD06REP1
13:47	MA16610-STD7	1		STD07REP1
13:49	MA16610-STD8	1		STD08REP1
13:52	MA16610-STD9	1		STD09REP1
13:55	MA16610-ICV1	1		
13:57	MA16610-ICB1	1		
14:00	MA16610-CCV1	1		
14:02	MA16610-CCB1	1		
14:04	ZZZZZZ	1		DNR: SEE RERUN FOR CRI.
14:07	MA16610-CRI1	1		
14:10	MP22330-MB1	1		
14:12	MP22330-B1	1		
14:15	MP22330-B2	1		
14:18	MP22330-S1	1		
14:20	MP22330-S2	1		
14:23	MC27343-5	1		(sample used for QC only; not part of login MC27399)
14:25	ZZZZZZ	1		
14:28	ZZZZZZ	1		
14:30	MA16610-CCV2	1		
14:32	MA16610-CCB2	1		
14:35	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:40	ZZZZZZ	1		
14:42	ZZZZZZ	1		
14:45	ZZZZZZ	1		
14:47	ZZZZZZ	1		
14:50	ZZZZZZ	1		
14:53	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2123013W1.PRN Date Analyzed: 12/30/13 Methods: SW846 7470A
Analyst: SA Run ID: MA16610
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:55	ZZZZZZ	1		
14:58	ZZZZZZ	1		
15:00	MA16610-CCV3	1		
15:03	MA16610-CCB3	1		
15:05	ZZZZZZ	1		
15:07	ZZZZZZ	1		
15:11	ZZZZZZ	1		
15:13	ZZZZZZ	1		
15:16	MC27399-1	1		
15:18	MC27399-2	1		
---------->	Last reportable sample/prep for job MC27399			
15:21	ZZZZZZ	1		
15:24	MA16610-CRI2	1		
15:26	MA16610-CCV4	1		
15:29	MA16610-CCB4	1		
---------->	Last reportable CCB for job MC27399			

Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2123013W1.PRN Date Analyzed: 12/30/13 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA16610 Units: ug/l

Time:			13:57		14:02		14:32		15:03	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.018	-0.031	<0.20	-0.038	<0.20	-0.033	<0.20	-0.040	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2123013W1.PRN Date Analyzed: 12/30/13 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA16610 Units: ug/l

Time:			15:29	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Mercury	0.20	.018	-0.027	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

8.1.1
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2123013W1.PRN Date Analyzed: 12/30/13 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA16610 Units: ug/l

Time:		13:55			14:00			14:30	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	4	3.6	90.0	3	2.9	96.7	3	2.7	90.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2123013W1.PRN Date Analyzed: 12/30/13 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA16610 Units: ug/l

Time:		15:00			15:26	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	3	2.9	96.7	3	2.8	93.3

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2123013W1.PRN Date Analyzed: 12/30/13 Methods: SW846 7470A
QC Limits: 70 to 130 % Recovery Run ID: MA16610 Units: ug/l

Time:			14:07		15:24	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.20	100.0	0.21	105.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16615
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:07	MA16615-STD1	1		STD1
20:12	MA16615-STD2	1		STD2
20:17	MA16615-STD3	1		STD3
20:22	MA16615-STD4	1		STD4
20:27	MA16615-ICV1	1		
20:32	MA16615-ICB1	1		
20:37	MA16615-CCV1	1		
20:42	MA16615-CCB1	1		
20:47	MA16615-CRI1	1		
20:52	MA16615-ICSA1	1		
20:57	MA16615-ICSAB1	1		
21:02	MP22327-B1	1		
21:07	MP22327-MB1	1		
21:12	MP22327-S1	1		NA OVER RANGE.
21:17	MP22327-S2	1		NA OVER RANGE.
21:22	MC27399-2	1		
21:27	MP22327-SD1	5		
21:32	MP22327-B2	1		
21:37	MA16615-CCV2	1		
21:41	MA16615-CCB2	1		
21:46	MP22327-MB2	1		
21:51	ZZZZZZ	1		
21:56	ZZZZZZ	1		
22:01	ZZZZZZ	1		
22:06	ZZZZZZ	1		
22:11	ZZZZZZ	1		
22:17	ZZZZZZ	1		
22:21	ZZZZZZ	1		
22:26	MC27399-1	1		
---------->	Last reportable sample/prep for job MC27399			
22:31	ZZZZZZ	1		
22:36	MA16615-CCV3	1		BA,BE & FE HIGH RSD.
22:41	MA16615-CCB3	1		
22:46	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16615
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:51	ZZZZZZ	1		
22:56	ZZZZZZ	1		
23:01	ZZZZZZ	1		
23:06	ZZZZZZ	1		
23:11	ZZZZZZ	1		
23:16	ZZZZZZ	1		
23:21	ZZZZZZ	1		RINSECONF
23:26	MA16615-CRI2	1		
23:31	MA16615-CRIA1	1		
23:36	MA16615-CCV4	1		
23:40	MA16615-CCB4	1		
23:45	MP22326-B1	1		
23:50	MP22326-MB1	1		
23:55	MP22326-S1	1		
00:00	MP22326-S2	1		
00:05	MC27390-7	1		(sample used for QC only; not part of login MC27399)
00:09	MP22326-SD1	5		
00:14	MP22326-B2	1		
00:19	MP22326-LC1	1		
00:24	ZZZZZZ	1		
00:29	ZZZZZZ	1		
00:34	MA16615-CCV5	1		
00:38	MA16615-CCB5	1		
00:43	ZZZZZZ	1		
00:48	ZZZZZZ	1		
00:53	ZZZZZZ	1		
00:58	ZZZZZZ	1		
01:03	ZZZZZZ	1		
01:07	ZZZZZZ	1		
01:12	ZZZZZZ	1		
01:17	ZZZZZZ	1		
01:22	ZZZZZZ	1		
01:27	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16615
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:32	MA16615-CCV6	1		
01:36	MA16615-CCB6	1		
01:41	ZZZZZZ	1		
01:46	ZZZZZZ	1		
01:51	ZZZZZZ	1		
01:56	ZZZZZZ	1		
02:01	ZZZZZZ	1		
02:06	ZZZZZZ	1		RINSECONF
02:11	ZZZZZZ	1		RINSECONF
02:16	MA16615-CRIA2	1		
02:21	MA16615-ICSA2	1		
02:26	MA16615-ICSAB2	1		
02:31	MA16615-CCV7	1		
02:36	MA16615-CCB7	1		
---------->	Last reportable CCB for job MC27399			
02:41	MA16615-CRIB1	1		
02:46	MP22316-B1	1		
02:50	MP22316-MB1	1		
02:56	MP22316-S1	1		
03:00	MP22316-S2	1		
03:05	MC27291-1	1		(sample used for QC only; not part of login MC27399)
03:11	MP22316-SD1	5		
03:16	MP22316-B2	1		
03:21	MP22316-LB1	1		
03:26	MP22316-LB2	1		
03:31	MA16615-CCV8	1		
03:35	MA16615-CCB8	1		
03:41	MP22316-LS1	1		
03:46	ZZZZZZ	1		
03:51	ZZZZZZ	1		
03:56	ZZZZZZ	1		ON HOLD.
04:01	ZZZZZZ	1		ON HOLD.
04:06	MA16615-CRIB2	1		
04:11	MA16615-ICSA3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16615
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
04:16	MA16615-ICSAB3	1		
04:21	MA16615-CCV9	1		
04:26	MA16615-CCB9	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16615
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
20:07	MA16615-STD1	4371 R	121510 R	12009 R
20:12	MA16615-STD2	4351	121650	11914
20:17	MA16615-STD3			12046
20:22	MA16615-STD4	4358	121460	12133
20:27	MA16615-ICV1	4287	119300	11747
20:32	MA16615-ICB1	4234	119620	11814
20:37	MA16615-CCV1	4328	122590	11978
20:42	MA16615-CCB1	4258	120680	11901
20:47	MA16615-CRI1	4218	118380	11716
20:52	MA16615-ICSA1	3925	112200	11161
20:57	MA16615-ICSAB1	3903	110940	11425
21:02	MP22327-B1	4173	116780	11725
21:07	MP22327-MB1	4173	117280	11749
21:12	MP22327-S1	3802	108080	11262
21:17	MP22327-S2	3746	106450	11315
21:22	MC27399-2	3812	108640	11456
21:27	MP22327-SD1	4118	116780	11671
21:32	MP22327-B2	4110	117280	11740
21:37	MA16615-CCV2	4227	118440	11599
21:41	MA16615-CCB2	4197	117570	11728
21:46	MP22327-MB2	4131	118080	11768
21:51	ZZZZZZ	3797	110510	11276
21:56	ZZZZZZ	4073	115590	11768
22:01	ZZZZZZ	4139	115170	11564
22:06	ZZZZZZ	4047	115610	11618
22:11	ZZZZZZ	3928	112770	11521
22:17	ZZZZZZ	3982	114390	11527
22:21	ZZZZZZ	3973	114740	11712
22:26	MC27399-1	3996	112470	11811
22:31	ZZZZZZ	4188	119670	12110
22:36	MA16615-CCV3	4254	122530	11964
22:41	MA16615-CCB3	4267	120140	11921
22:46	ZZZZZZ	4118	113600	11821

INTERNAL STANDARD SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16615
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
22:51	ZZZZZZ	4166	119690	11945
22:56	ZZZZZZ	3793	108450	11492
23:01	ZZZZZZ	4056	116310	11683
23:06	ZZZZZZ	4105	116650	11800
23:11	ZZZZZZ	3782	110510	11455
23:16	ZZZZZZ	4059	115870	11723
23:21	ZZZZZZ	4176	118350	11843
23:26	MA16615-CRI2	4249	119560	11724
23:31	MA16615-CRIA1	4202	120660	11921
23:36	MA16615-CCV4	4197	119300	11812
23:40	MA16615-CCB4	4145	118180	11810
23:45	MP22326-B1	4074	116740	11649
23:50	MP22326-MB1	4096	119020	11765
23:55	MP22326-S1	4292	124130	12393
00:00	MP22326-S2	4329	124180	12406
00:05	MC27390-7	4404	125530	12379
00:09	MP22326-SD1	4332	122560	12105
00:14	MP22326-B2	4121	116540	11614
00:19	MP22326-LC1	4521	130680	12968
00:24	ZZZZZZ	4457	125470	12137
00:29	ZZZZZZ	4452	127420	12480
00:34	MA16615-CCV5	4180	119790	11502
00:38	MA16615-CCB5	4152	119580	12376
00:43	ZZZZZZ	4373	125150	12312
00:48	ZZZZZZ	4915	141770	14620
00:53	ZZZZZZ	4833	138830	13855
00:58	ZZZZZZ	4668	134770	13373
01:03	ZZZZZZ	4630	132290	13165
01:07	ZZZZZZ	4466	127760	12764
01:12	ZZZZZZ	4354	126700	12609
01:17	ZZZZZZ	4323	126830	12143
01:22	ZZZZZZ	4354	125480	12333
01:27	ZZZZZZ	4212	118260	11923

INTERNAL STANDARD SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16615
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
01:32	MA16615-CCV6	4166	118080	11596
01:36	MA16615-CCB6	4135	118040	11703
01:41	ZZZZZZ	4594	131560	13490
01:46	ZZZZZZ	4449	128160	12637
01:51	ZZZZZZ	4442	126490	12473
01:56	ZZZZZZ	4411	126030	12360
02:01	ZZZZZZ	4400	125890	12480
02:06	ZZZZZZ	4173	119650	11759
02:11	ZZZZZZ	4122	119800	11779
02:16	MA16615-CRIA2	4186	118710	11761
02:21	MA16615-ICSA2	3810	109620	11171
02:26	MA16615-ICSAB2	3805	108800	11087
02:31	MA16615-CCV7	4195	119560	11692
02:36	MA16615-CCB7	4191	119220	11832
02:41	MA16615-CRIB1	4201	120250	12043
02:46	MP22316-B1	3703	105480	11435
02:50	MP22316-MB1	4101	118050	11772
02:56	MP22316-S1	3416	104360	11076
03:00	MP22316-S2	3414	101020	11331
03:05	MC27291-1	3375	99412	11077
03:11	MP22316-SD1	3847	105170	11604
03:16	MP22316-B2	3707	105940	11606
03:21	MP22316-LB1	3646	104560	11549
03:26	MP22316-LB2	4036	118260	12043
03:31	MA16615-CCV8	4147	118980	11752
03:35	MA16615-CCB8	4189	119830	11896
03:41	MP22316-LS1	3607	108380	11377
03:46	ZZZZZZ	3563	107760	11341
03:51	ZZZZZZ	3573	101360	11195
03:56	ZZZZZZ	3725	108760	11807
04:01	ZZZZZZ	3688	107460	11507
04:06	MA16615-CRIB2	4140	119980	12003
04:11	MA16615-ICSA3	3758	110860	11323

INTERNAL STANDARD SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16615
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
04:16	MA16615-ICSAB3	3786	110530	11619
04:21	MA16615-CCV9	4175	119500	11823
04:26	MA16615-CCB9	4125	120730	11904

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16615 Units: ug/l

Time: / Sample ID:			20:32 ICB1		20:42 CCB1		21:41 CCB2		22:41 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	22								
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.2	0.20	<4.0	1.5	<4.0	-0.30	<4.0	-0.40	<4.0
Barium	50	.53	0.10	<50	0.0	<50	0.10	<50	0.0	<50
Beryllium	4.0	.15	anr							
Boron	100	.49								
Cadmium	4.0	.04	0.50	<4.0	0.30	<4.0	0.20	<4.0	0.10	<4.0
Calcium	5000	7.4								
Chromium	10	.38	0.50	<10	0.10	<10	0.10	<10	0.10	<10
Cobalt	50	.15								
Copper	25	.52	anr							
Gold	50	1.4								
Iron	100	5	anr							
Lead	5.0	.95	1.3	<5.0	0.40	<5.0	0.20	<5.0	-0.40	<5.0
Magnesium	5000	47								
Manganese	15	.04	anr							
Molybdenum	100	.29								
Nickel	40	.25	anr							
Palladium	50	1.9								
Platinum	50	5.9								
Potassium	5000	56								
Selenium	10	1.8	0.50	<10	0.0	<10	0.60	<10	0.30	<10
Silicon	100	1.3								
Silver	5.0	.56	-0.10	<5.0	-0.30	<5.0	-0.40	<5.0	-0.50	<5.0
Sodium	5000	33	anr							
Sulfur	50	3.4								
Strontium	10	.15								
Thallium	5.0	.98	anr							
Tin	100	.35								
Titanium	50	.44								
Tungsten	100	5.6								
Vanadium	10	.58	anr							
Zinc	20	.21	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16615 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	1.8

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16615 Units: ug/l

Time: / Sample ID:			23:40 CCB4		00:38 CCB5		01:36 CCB6		02:36 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	22								
Antimony	6.0	1.1	anr							
Arsenic	4.0	1.2	-0.90	<4.0	0.20	<4.0	-0.80	<4.0	1.9	<4.0
Barium	50	.53	0.10	<50	0.10	<50	-0.10	<50	0.10	<50
Beryllium	4.0	.15	anr							
Boron	100	.49								
Cadmium	4.0	.04	0.20	<4.0	0.20	<4.0	0.20	<4.0	0.20	<4.0
Calcium	5000	7.4								
Chromium	10	.38	0.20	<10	0.0	<10	-0.10	<10	0.30	<10
Cobalt	50	.15								
Copper	25	.52	anr							
Gold	50	1.4								
Iron	100	5	anr							
Lead	5.0	.95	0.0	<5.0	0.70	<5.0	0.10	<5.0	0.30	<5.0
Magnesium	5000	47								
Manganese	15	.04	anr							
Molybdenum	100	.29								
Nickel	40	.25	anr							
Palladium	50	1.9								
Platinum	50	5.9								
Potassium	5000	56								
Selenium	10	1.8	0.10	<10	1.4	<10	1.5	<10	-0.10	<10
Silicon	100	1.3								
Silver	5.0	.56	-0.50	<5.0	-0.50	<5.0	-0.30	<5.0	-0.40	<5.0
Sodium	5000	33	anr							
Sulfur	50	3.4								
Strontium	10	.15								
Thallium	5.0	.98	anr							
Tin	100	.35								
Titanium	50	.44								
Tungsten	100	5.6								
Vanadium	10	.58	anr							
Zinc	20	.21	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16615 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	1.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16615 Units: ug/l

Time:		20:27			20:37			21:37	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	3000	3130	104.3	2000	1960	98.0	2000	1990	99.5
Barium	3000	3090	103.0	2000	2000	100.0	2000	2070	103.5
Beryllium	anr								
Boron									
Cadmium	3000	2930	97.7	2000	1960	98.0	2000	2000	100.0
Calcium									
Chromium	3000	3030	101.0	2000	1940	97.0	2000	2000	100.0
Cobalt									
Copper	anr								
Gold									
Iron	anr								
Lead	3000	2910	97.0	2000	1940	97.0	2000	1970	98.5
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	3000	3020	100.7	2000	2010	100.5	2000	2050	102.5
Silicon									
Silver	500	500	100.0	250	245	98.0	250	255	102.0
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16615 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16615 Units: ug/l

Time:		22:36			23:36			00:34	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	2000	1990	99.5	2000	1940	97.0	2000	1940	97.0
Barium	2000	1990	99.5	2000	2030	101.5	2000	2080	104.0
Beryllium	anr								
Boron									
Cadmium	2000	2010	100.5	2000	2000	100.0	2000	2010	100.5
Calcium									
Chromium	2000	1950	97.5	2000	2010	100.5	2000	2010	100.5
Cobalt									
Copper	anr								
Gold									
Iron	anr								
Lead	2000	1980	99.0	2000	2000	100.0	2000	2010	100.5
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	2000	2050	102.5	2000	2080	104.0	2000	2090	104.5
Silicon									
Silver	250	248	99.2	250	255	102.0	250	255	102.0
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16615 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16615 Units: ug/l

Time:		01:32			02:31	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	2000	1920	96.0	2000	1940	97.0
Barium	2000	2060	103.0	2000	2030	101.5
Beryllium	anr					
Boron						
Cadmium	2000	2000	100.0	2000	2010	100.5
Calcium						
Chromium	2000	2030	101.5	2000	2020	101.0
Cobalt						
Copper	anr					
Gold						
Iron	anr					
Lead	2000	2010	100.5	2000	2000	100.0
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Platinum						
Potassium						
Selenium	2000	2100	105.0	2000	2080	104.0
Silicon						
Silver	250	257	102.8	250	257	102.8
Sodium	anr					
Sulfur						
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16615 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16615 Units: ug/l

Time:			20:47		23:26		23:31		02:16	
Sample ID:	CRI	CRIA	CRI1		CRI2		CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	200								
Antimony	6.0	10	anr							
Arsenic	4.0	10	3.4	85.0	3.7	92.5	10.4	104.0	10.4	104.0
Barium	50	50	50.7	101.4	50.3	100.6	49.1	98.2	50.8	101.6
Beryllium	4.0	4.0	anr							
Boron	100	100								
Cadmium	4.0	4.0	4.1	102.5	4.0	100.0	4.1	102.5	4.1	102.5
Calcium	5000	5000								
Chromium	10	10	9.9	99.0	9.9	99.0	10.1	101.0	10.1	101.0
Cobalt	50	50								
Copper	25	25	anr							
Gold	50	50								
Iron	100	100	anr							
Lead	5.0	10	4.5	90.0	5.4	108.0	10.3	103.0	10.2	102.0
Magnesium	5000	5000								
Manganese	15	15	anr							
Molybdenum	100	100								
Nickel	40	40	anr							
Palladium	50	50								
Platinum	50	50								
Potassium	5000	5000								
Selenium	10	10	11.0	110.0	11.1	111.0	10.6	106.0	10.8	108.0
Silicon	100	100								
Silver	5.0	5.0	4.9	98.0	4.8	96.0	4.6	92.0	4.7	94.0
Sodium	5000	5000	anr							
Sulfur	50	50								
Strontium	10	10								
Thallium	5.0	10	anr							
Tin	100	100								
Titanium	50	50								
Tungsten	100	100								
Vanadium	10	10	anr							
Zinc	20	20	anr							

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16615 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	50

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16615 Units: ug/l

Time:			20:52		20:57		02:21		02:26	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	555000	111.0	543000	108.6	547000	109.4	545000	109.0
Antimony		2000	0.10		2060	103.0	0.0		2120	106.0
Arsenic		2000	-1.2		2100	105.0	2.6		2050	102.5
Barium		500	-0.20		513	102.6	-0.10		525	105.0
Beryllium		500	0.10		467	93.4	0.0		475	95.0
Boron		1000	0.30		969	96.9	-0.30		992	99.2
Cadmium		1000	0.10		987	98.7	0.20		1000	100.0
Calcium	500000	500000	470000	94.0	453000	90.6	469000	93.8	469000	93.8
Chromium		500	-0.10		450	90.0	-0.30		465	93.0
Cobalt		500	0.40		470	94.0	1.1		488	97.6
Copper		500	1.2		511	102.2	0.60		507	101.4
Gold		500	-14		468	93.6	-12		474	94.8
Iron	200000	200000	194000	97.0	191000	95.5	193000	96.5	195000	97.5
Lead		1000	0.60		845	84.5	-1.1		865	86.5
Magnesium	500000	500000	535000	107.0	523000	104.6	525000	105.0	530000	106.0
Manganese		500	-0.20		465	93.0	-0.20		476	95.2
Molybdenum		1000	-2.6		932	93.2	-3.4		967	96.7
Nickel		1000	-2.1		839	83.9	-1.9		858	85.8
Palladium		500	-4.1		513	102.6	-4.2		513	102.6
Platinum		500	-2.7		491	98.2	-0.70		507	101.4
Potassium			122		132		-450		-480	
Selenium		2000	3.8		1990	99.5	0.30		2070	103.5
Silicon		2000	40.2		2100	105.0	42.9		2150	107.5
Silver		1000	0.10		1040	104.0	-0.50		1070	107.0
Sodium			22.7		23.0		69.9		66.4	
Sulfur		500	-17		450	90.0	-20		454	90.8
Strontium		1000	1.3		1040	104.0	1.3		1050	105.0
Thallium		2000	-1.1		1710	85.5	-0.40		1750	87.5
Tin		1000	-1.8		908	90.8	-1.9		939	93.9
Titanium		500	5.2		484	96.8	5.3		500	100.0
Tungsten		2000	2.1		1790	89.5	-5.4		1840	92.0
Vanadium		500	-0.20		484	96.8	0.40		500	100.0
Zinc		1000	-1.4		866	86.6	-1.1		878	87.8

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SA122713M3.ICP Date Analyzed: 12/27/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16615 Units: ug/l

Time: / Sample ID: / Metal								
Zirconium	500	5.3	402	80.4	6.1	422	84.4	

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16618
Parameters: Ba

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:49	MA16618-STD1	1		STD1
11:54	MA16618-STD2	1		STD2
11:58	MA16618-STD3	1		STD3
12:03	MA16618-STD4	1		STD4
12:08	MA16618-ICV1	1		
12:16	MA16618-ICB1	1		
12:21	MA16618-CCV1	1		AG OUT.
12:38	MA16618-CCB1	1		
12:43	MA16618-CRIB1	1		
12:48	MA16618-ICSA1	1		
12:53	MA16618-ICSAB1	1		
12:58	MP22328-B1	1		
13:03	MP22328-MB1	1		
13:08	MP22328-S1	1		
13:13	MP22328-S2	1		
13:18	MC27377-1A	1		(sample used for QC only; not part of login MC27399)
13:23	MP22328-SD1	5		
13:28	MP22328-B2	1		
13:33	ZZZZZZ	1		DNR: SEE RERUN FOR CCV.
13:38	MA16618-CCV2	1		
13:46	MA16618-CCB2	1		
13:51	MP22328-MB2	1		
13:56	MP22328-LB1	1		
14:01	MP22328-LS1	1		
14:05	ZZZZZZ	1		
14:10	ZZZZZZ	10		
14:15	ZZZZZZ	50		
14:23	ZZZZZZ	1000		
14:28	ZZZZZZ	10000		
14:33	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:43	MA16618-CCV3	1		
14:51	MA16618-CCB3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16618
Parameters: Ba

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:59	ZZZZZZ	1		
15:04	ZZZZZZ	1		DNR: NOT NEEDED.
15:09	MA16618-CRIB2	1		
15:14	MA16618-ICSA2	1		
15:19	MA16618-ICSAB2	1		
15:24	MA16618-CCV4	1		
15:31	MA16618-CCB4	1		
15:40	MA16618-CRI1	1		
15:45	MP22329-B1	1		
15:50	MP22329-MB1	1		
15:55	MP22329-S1	1		
16:00	MP22329-S2	1		
16:04	MC27417-3	1		(sample used for QC only; not part of login MC27399)
16:09	MP22329-SD1	5		
16:14	MP22329-B2	1		
16:19	ZZZZZZ	1		
16:24	ZZZZZZ	1		
16:29	MA16618-CCV5	1		
16:34	MA16618-CCB5	1		
16:39	ZZZZZZ	1		
16:44	ZZZZZZ	1		
16:49	ZZZZZZ	1		
16:54	ZZZZZZ	1		
16:59	ZZZZZZ	1		
17:04	ZZZZZZ	1		
17:09	ZZZZZZ	1		
17:14	MC27399-1	1		
17:19	ZZZZZZ	1		
17:24	ZZZZZZ	1		
17:28	MA16618-CCV6	1		
17:33	MA16618-CCB6	1		
17:38	ZZZZZZ	1		
17:43	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16618
Parameters: Ba

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:48	ZZZZZZ	1		
17:53	ZZZZZZ	1		
17:58	ZZZZZZ	1		
18:03	ZZZZZZ	1		
18:08	MP22327-S1	10		
18:13	MP22327-S2	10		
18:18	MC27399-2	10		
18:23	MP22327-SD1	50		
18:28	MA16618-CCV7	1		
18:33	MA16618-CCB7	1		
18:37	MP22327-MB2	1		
---------->	Last reportable sample/prep for job MC27399			
18:42	MA16618-CRI2	1		
18:47	MA16618-CRIA1	1		
18:52	ZZZZZZ	1		
18:57	ZZZZZZ	1		
19:02	ZZZZZZ	1		RINSECONF
19:07	MA16618-CRIA2	1		
19:12	MA16618-ICSA3	1		
19:17	MA16618-ICSAB3	1		
19:22	MA16618-CCV8	1		
19:27	MA16618-CCB8	1		
---------->	Last reportable CCB for job MC27399			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16618
Parameters: Ba

Time	Sample Description	Istd#1	Istd#2	Istd#3
11:49	MA16618-STD1	1337 R	55499 R	16890 R
11:54	MA16618-STD2	1319	55586	16883
11:58	MA16618-STD3			17060
12:03	MA16618-STD4	1345	55518	16963
12:08	MA16618-ICV1	1337	55246	16975
12:16	MA16618-ICB1	1348	55622	16875
12:21	MA16618-CCV1	1348	55472	17145
12:38	MA16618-CCB1	1343	56641	17087
12:43	MA16618-CRIB1	1343	56196	16901
12:48	MA16618-ICSA1	1230	52011	16639
12:53	MA16618-ICSAB1	1229	52000	16736
12:58	MP22328-B1	1247	54335	16975
13:03	MP22328-MB1	1331	55871	16813
13:08	MP22328-S1	1244	54298	17161
13:13	MP22328-S2	1244	54375	17141
13:18	MC27377-1A	1241	54344	17118
13:23	MP22328-SD1	1317	55752	17007
13:28	MP22328-B2	1253	54384	16965
13:33	ZZZZZZ	1360	56674	17067
13:38	MA16618-CCV2	1349	56589	17070
13:46	MA16618-CCB2	1347	56556	17000
13:51	MP22328-MB2	1304	55107	16717
13:56	MP22328-LB1	1247	53917	16729
14:01	MP22328-LS1	1316	56043	17064
14:05	ZZZZZZ	1325	56396	17170
14:10	ZZZZZZ	-185 !a	53389	16570
14:15	ZZZZZZ	1049	56147	17263
14:23	ZZZZZZ	1351	56662	17094
14:28	ZZZZZZ	1390	55468	17017
14:33	ZZZZZZ	1231	52769	16720
14:38	ZZZZZZ	1235	53920	16840
14:43	MA16618-CCV3	1376	57000	17365
14:51	MA16618-CCB3	1380	56768	17078

INTERNAL STANDARD SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16618
Parameters: Ba

Time	Sample Description	Istd#1	Istd#2	Istd#3
14:59	ZZZZZZ	1278	54418	17120
15:04	ZZZZZZ	1357	57998	17580
15:09	MA16618-CRIB2	1384	57065	17071
15:14	MA16618-ICSA2	1262	52882	16848
15:19	MA16618-ICSAB2	1262	52746	16842
15:24	MA16618-CCV4	1384	56939	17091
15:31	MA16618-CCB4	1388	57167	17127
15:40	MA16618-CRI1	1377	57220	17229
15:45	MP22329-B1	1347	57057	17172
15:50	MP22329-MB1	1366	57733	17125
15:55	MP22329-S1	1291	54955	16921
16:00	MP22329-S2	1298	55621	17000
16:04	MC27417-3	1309	56238	17015
16:09	MP22329-SD1	1364	57834	17342
16:14	MP22329-B2	1348	57221	17136
16:19	ZZZZZZ	1311	56431	16946
16:24	ZZZZZZ	1304	56565	16971
16:29	MA16618-CCV5	1377	57719	17152
16:34	MA16618-CCB5	1375	57865	17098
16:39	ZZZZZZ	1348	57278	17240
16:44	ZZZZZZ	1291	54551	16572
16:49	ZZZZZZ	1320	56542	17161
16:54	ZZZZZZ	1341	57467	17186
16:59	ZZZZZZ	1314	56808	17055
17:04	ZZZZZZ	1332	57077	17132
17:09	ZZZZZZ	1330	57597	17108
17:14	MC27399-1	1315	56944	17118
17:19	ZZZZZZ	1344	58879	17543
17:24	ZZZZZZ	1322	58603	17237
17:28	MA16618-CCV6	1357	59636	17502
17:33	MA16618-CCB6	1349	59362	17273
17:38	ZZZZZZ	1321	58783	17369
17:43	ZZZZZZ	1244	56368	16735

INTERNAL STANDARD SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
Analyst: EAL Run ID: MA16618
Parameters: Ba

Time	Sample Description	Istd#1	Istd#2	Istd#3
17:48	ZZZZZZ	1321	58155	16905
17:53	ZZZZZZ	1334	58413	17343
17:58	ZZZZZZ	1248	56213	16738
18:03	ZZZZZZ	1325	58330	17245
18:08	MP22327-S1	1352	58915	17211
18:13	MP22327-S2	1348	59277	17251
18:18	MC27399-2	1345	59269	17323
18:23	MP22327-SD1	1352	59736	17238
18:28	MA16618-CCV7	1344	59535	17340
18:33	MA16618-CCB7	1343	59559	17284
18:37	MP22327-MB2	1324	59222	17294
18:42	MA16618-CRI2	1342	59538	17250
18:47	MA16618-CRIA1	1341	59257	17173
18:52	ZZZZZZ	1569	69078	20453
18:57	ZZZZZZ	1411	61905	18353
19:02	ZZZZZZ	1350	59636	17307
19:07	MA16618-CRIA2	1344	59680	17271
19:12	MA16618-ICSA3	1228	55308	16941
19:17	MA16618-ICSAB3	1224	55682	17039
19:22	MA16618-CCV8	1339	59880	17329
19:27	MA16618-CCB8	1335	59652	17309

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

(a) No element reported by this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16618 Units: ug/l

Time:			12:16		12:38		13:46		14:51	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.1								
Antimony	6.0	1.1								
Arsenic	4.0	2.2	anr							
Barium	50	.19	1.3	<50	0.10	<50	0.10	<50	0.40	<50
Beryllium	4.0	.08								
Boron	100	.81	anr							
Cadmium	4.0	.22	anr							
Calcium	5000	8.5								
Chromium	10	.74	anr							
Cobalt	50	.28								
Copper	25	.86	anr							
Gold	50	1.8								
Iron	100	4.4	anr							
Lead	5.0	1.6	anr							
Magnesium	5000	43								
Manganese	15	.17	anr							
Molybdenum	100	.4								
Nickel	40	.45	anr							
Palladium	50	2								
Platinum	50	8.7								
Potassium	5000	24								
Selenium	10	1.4	anr							
Silicon	100	2.1								
Silver	5.0	.47	anr							
Sodium	5000	42	anr							
Sulfur	50	2.9								
Strontium	10	.1								
Thallium	5.0	1.7								
Tin	100	1.5								
Titanium	50	.48								
Tungsten	100	9.3								
Vanadium	10	.9								
Zinc	20	.91	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16618 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	.76

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16618 Units: ug/l

Time: / Sample ID:			15:31 CCB4		16:34 CCB5		17:33 CCB6		18:33 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.1								
Antimony	6.0	1.1								
Arsenic	4.0	2.2	anr							
Barium	50	.19	0.30	<50	0.0	<50	-0.30	<50	-0.10	<50
Beryllium	4.0	.08								
Boron	100	.81	anr							
Cadmium	4.0	.22	anr							
Calcium	5000	8.5								
Chromium	10	.74	anr							
Cobalt	50	.28								
Copper	25	.86	anr							
Gold	50	1.8								
Iron	100	4.4	anr							
Lead	5.0	1.6	anr							
Magnesium	5000	43								
Manganese	15	.17	anr							
Molybdenum	100	.4								
Nickel	40	.45	anr							
Palladium	50	2								
Platinum	50	8.7								
Potassium	5000	24								
Selenium	10	1.4	anr							
Silicon	100	2.1								
Silver	5.0	.47	anr							
Sodium	5000	42	anr							
Sulfur	50	2.9								
Strontium	10	.1								
Thallium	5.0	1.7								
Tin	100	1.5								
Titanium	50	.48								
Tungsten	100	9.3								
Vanadium	10	.9								
Zinc	20	.91	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16618 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	.76

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16618 Units: ug/l

Time:			19:27	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	200	6.1		
Antimony	6.0	1.1		
Arsenic	4.0	2.2	anr	
Barium	50	.19	-0.20	<50
Beryllium	4.0	.08		
Boron	100	.81	anr	
Cadmium	4.0	.22	anr	
Calcium	5000	8.5		
Chromium	10	.74	anr	
Cobalt	50	.28		
Copper	25	.86	anr	
Gold	50	1.8		
Iron	100	4.4	anr	
Lead	5.0	1.6	anr	
Magnesium	5000	43		
Manganese	15	.17	anr	
Molybdenum	100	.4		
Nickel	40	.45	anr	
Palladium	50	2		
Platinum	50	8.7		
Potassium	5000	24		
Selenium	10	1.4	anr	
Silicon	100	2.1		
Silver	5.0	.47	anr	
Sodium	5000	42	anr	
Sulfur	50	2.9		
Strontium	10	.1		
Thallium	5.0	1.7		
Tin	100	1.5		
Titanium	50	.48		
Tungsten	100	9.3		
Vanadium	10	.9		
Zinc	20	.91	anr	

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16618 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	.76

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16618 Units: ug/l

Time:		12:08			12:21			13:38	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	3000	3000	100.0	2000	1960	98.0	2000	1940	97.0
Beryllium									
Boron	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Gold									
Iron	anr								
Lead	anr								
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16618 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16618 Units: ug/l

Time:		14:43			15:24			16:29	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	2000	1900	95.0	2000	1920	96.0	2000	1910	95.5
Beryllium									
Boron	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Gold									
Iron	anr								
Lead	anr								
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16618 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16618 Units: ug/l

Time:		17:28			18:28			19:22	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	2000	1900	95.0	2000	1890	94.5	2000	1900	95.0
Beryllium									
Boron	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Gold									
Iron	anr								
Lead	anr								
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16618 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16618 Units: ug/l

Time:			15:40		18:42		18:47		19:07	
Sample ID:	CRI	CRIA	CRI1		CRI2		CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	200								
Antimony	6.0	10								
Arsenic	4.0	10	anr							
Barium	50	50	49.3	98.6	48.4	96.8	47.9	95.8	48.0	96.0
Beryllium	4.0	4.0								
Boron	100	100	anr							
Cadmium	4.0	4.0	anr							
Calcium	5000	5000								
Chromium	10	10	anr							
Cobalt	50	50								
Copper	25	25	anr							
Gold	50	50								
Iron	100	100	anr							
Lead	5.0	10	anr							
Magnesium	5000	5000								
Manganese	15	15	anr							
Molybdenum	100	100								
Nickel	40	40	anr							
Palladium	50	50								
Platinum	50	50								
Potassium	5000	5000								
Selenium	10	10	anr							
Silicon	100	100								
Silver	5.0	5.0	anr							
Sodium	5000	5000	anr							
Sulfur	50	50								
Strontium	10	10								
Thallium	5.0	10								
Tin	100	100								
Titanium	50	50								
Tungsten	100	100								
Vanadium	10	10								
Zinc	20	20	anr							

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16618 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	50

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA16618 Units: ug/l

Time:		12:43		15:09	
Sample ID:	CRIB	CRIB1		CRIB2	
Metal	True	Results	% Rec	Results	% Rec
Aluminum	200				
Antimony	6.0				
Arsenic	10				
Barium	500	509	101.8	506	101.2
Beryllium	4.0				
Boron	100				
Cadmium	4.0				
Calcium	5000				
Chromium	10				
Cobalt	50				
Copper	25				
Gold	50				
Iron	100				
Lead	10				
Magnesium	5000				
Manganese	15				
Molybdenum	100				
Nickel	40				
Palladium	50				
Platinum	50				
Potassium	5000				
Selenium	25				
Silicon	100				
Silver	5.0				
Sodium	5000				
Sulfur	50				
Strontium	10				
Thallium	5.0				
Tin	100				
Titanium	50				
Tungsten	100				
Vanadium	10				
Zinc	100				

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA16618 Units: ug/l

Time:	
Sample ID:	
Metal	
Zirconium	50

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16618 Units: ug/l

Time:			12:48		12:53		15:14		15:19	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	535000	107.0	522000	104.4	515000	103.0	515000	103.0
Antimony		2000	1.1		2060	103.0	0.20		2030	101.5
Arsenic		2000	2.3		2150	107.5	1.2		2110	105.5
Barium		500	-1.1		488	97.6	-0.90		483	96.6
Beryllium		500	0.0		465	93.0	0.20		463	92.6
Boron		1000	0.20		991	99.1	16.7		983	98.3
Cadmium		1000	1.6		1010	101.0	1.9		998	99.8
Calcium	500000	500000	457000	91.4	452000	90.4	454000	90.8	449000	89.8
Chromium		500	-1.6		472	94.4	-1.6		477	95.4
Cobalt		500	1.7		489	97.8	1.9		483	96.6
Copper		500	0.60		532	106.4	-0.30		522	104.4
Gold		500	1.4		480	96.0	0.50		474	94.8
Iron	200000	200000	182000	91.0	181000	90.5	181000	90.5	180000	90.0
Lead		1000	3.8		901	90.1	3.4		891	89.1
Magnesium	500000	500000	519000	103.8	517000	103.4	520000	104.0	521000	104.2
Manganese		500	0.10		482	96.4	0.20		485	97.0
Molybdenum		1000	-1.2		952	95.2	-1.0		942	94.2
Nickel		1000	2.4		879	87.9	3.3		868	86.8
Palladium		500	-17		512	102.4	-16		503	100.6
Platinum		500	-27		475	95.0	-23		470	94.0
Potassium			25.2		29.0		41.3		39.4	
Selenium		2000	0.90		2000	100.0	-0.70		1960	98.0
Silicon		2000	46.1		2160	108.0	45.6		2110	105.5
Silver		1000	-0.10		1140	114.0	-0.20		1130	113.0
Sodium			20.5		35.4		353		382	
Sulfur		500	81.1		560	112.0	90.2		560	112.0
Strontium		1000	-7.8		962	96.2	-7.6		948	94.8
Thallium		2000	-0.30		1800	90.0	0.30		1770	88.5
Tin		1000	-0.80		959	95.9	-0.10		947	94.7
Titanium		500	5.7		501	100.2	6.0		499	99.8
Tungsten		2000	-15		1870	93.5	-12		1830	91.5
Vanadium		500	-0.20		496	99.2	0.20		495	99.0
Zinc		1000	-0.10		904	90.4	-0.30		905	90.5

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16618 Units: ug/l

Time: / Sample ID: / Metal								
Zirconium	500	3.4		411	82.2	2.7	400	80.0

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16618 Units: ug/l

Time:			19:12		19:17	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	523000	104.6	519000	103.8
Antimony		2000	2.8		2100	105.0
Arsenic		2000	2.7		2180	109.0
Barium		500	-1.2		474	94.8
Beryllium		500	0.10		441	88.2
Boron		1000	3.8		977	97.7
Cadmium		1000	1.3		1000	100.0
Calcium	500000	500000	454000	90.8	449000	89.8
Chromium		500	-1.6		448	89.6
Cobalt		500	1.3		494	98.8
Copper		500	0.60		496	99.2
Gold		500	-1.3		454	90.8
Iron	200000	200000	187000	93.5	187000	93.5
Lead		1000	1.7		920	92.0
Magnesium	500000	500000	499000	99.8	496000	99.2
Manganese		500	-0.10		437	87.4
Molybdenum		1000	-1.4		962	96.2
Nickel		1000	2.6		853	85.3
Palladium		500	-20		497	99.4
Platinum		500	-30		464	92.8
Potassium			43.1		70.5	
Selenium		2000	0.50		2040	102.0
Silicon		2000	47.5		2240	112.0
Silver		1000	-0.20		1090	109.0
Sodium			203		191	
Sulfur		500	77.0		553	110.6
Strontium		1000	-7.8		920	92.0
Thallium		2000	-1.5		1780	89.0
Tin		1000	-1.0		1020	102.0
Titanium		500	5.7		478	95.6
Tungsten		2000	-14		1700	85.0
Vanadium		500	-1.6		458	91.6
Zinc		1000	-0.10		926	92.6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB123013M1.ICP Date Analyzed: 12/30/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16618 Units: ug/l

Time: / Sample ID: / Metal					
Zirconium	500	1.9		396	79.2*

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22327
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:				12/27/13		12/27/13	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	6.1	40				
Antimony	6.0	1.1	1.9				
Arsenic	4.0	1.2	2.9	0.20	<4.0	0.40	<4.0
Barium	50	.19	.81	0.0	<50	-0.30	<50
Beryllium	4.0	.08	.25				
Boron	100	.49	1.4				
Cadmium	4.0	.04	.5	0.0	<4.0	0.0	<4.0
Calcium	5000	7.4	38				
Chromium	10	.38	1.4	0.0	<10	0.10	<10
Cobalt	50	.15	.4				
Copper	25	.52	7				
Gold	50	1.4	5				
Iron	100	4.4	20				
Lead	5.0	.95	1.7	0.30	<5.0	-0.10	<5.0
Magnesium	5000	43	59				
Manganese	15	.04	.81				
Molybdenum	100	.29	.77				
Nickel	40	.25	.57				
Palladium	50	1.9	7.6				
Platinum	50	5.9	14				
Potassium	5000	24	160				
Selenium	10	1.4	4.8	0.40	<10	0.60	<10
Silicon	100	1.3	45				
Silver	5.0	.47	1	-0.10	<5.0	-0.50	<5.0
Sodium	5000	33	60				
Sulfur	50	2.9	8				
Strontium	10	.1	.26				
Thallium	5.0	.98	1.9				
Tin	100	.35	1.4				
Titanium	50	.44	1.8				
Tungsten	100	5.6	16				
Vanadium	10	.58	2.8				
Zinc	20	.21	.5				

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22327 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal			
Zirconium	50	.76	2.2

Associated samples MP22327: MC27399-1, MC27399-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22327
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/27/13

Metal	MC27399-2 Original	MS	Spikelot MPICP	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	1.4	570	500	113.7	75-125
Barium	6150	8230	2000	104.0	75-125
Beryllium					
Boron					
Cadmium	0.10	545	500	109.0	75-125
Calcium					
Chromium	22.8	532	500	101.8	75-125
Cobalt					
Copper	anr				
Gold					
Iron	anr				
Lead	0.0	985	1000	98.5	75-125
Magnesium					
Manganese	anr				
Molybdenum					
Nickel	anr				
Palladium					
Platinum					
Potassium					
Selenium	3.9	534	500	106.0	75-125
Silicon					
Silver	0.0	224	200	112.0	75-125
Sodium	anr				
Sulfur					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc	anr				

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22327
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Zirconium

Associated samples MP22327: MC27399-1, MC27399-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22327
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/27/13

Metal	MC27399-2 Original	MSD	Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	1.4	578	500	115.3	1.4	20
Barium	6150	8270	2000	106.0	0.5	20
Beryllium						
Boron						
Cadmium	0.10	550	500	110.0	0.9	20
Calcium						
Chromium	22.8	538	500	103.0	1.1	20
Cobalt						
Copper	anr					
Gold						
Iron	anr					
Lead	0.0	995	1000	99.5	1.0	20
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Platinum						
Potassium						
Selenium	3.9	540	500	107.2	1.1	20
Silicon						
Silver	0.0	227	200	113.5	1.3	20
Sodium	anr					
Sulfur						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc	anr					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22327
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Zirconium

Associated samples MP22327: MC27399-1, MC27399-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22327
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:		12/27/13				12/27/13			
Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum									
Antimony									
Arsenic	549	500	109.8	80-120	547	500	109.4	0.4	20
Barium	2080	2000	104.0	80-120	2100	2000	105.0	1.0	20
Beryllium									
Boron									
Cadmium	517	500	103.4	80-120	521	500	104.2	0.8	20
Calcium									
Chromium	512	500	102.4	80-120	517	500	103.4	1.0	20
Cobalt									
Copper	anr								
Gold									
Iron	anr								
Lead	1010	1000	101.0	80-120	1030	1000	103.0	2.0	20
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	507	500	101.4	80-120	516	500	103.2	1.8	20
Silicon									
Silver	209	200	104.5	80-120	211	200	105.5	1.0	20
Sodium	anr								
Sulfur									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc	anr								

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22327
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal
Zirconium

Associated samples MP22327: MC27399-1, MC27399-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22327
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/27/13

Metal	MC27399-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	1.40	0.00	100.0(a)	0-10
Barium	6150	6190	0.6	0-10
Beryllium				
Boron				
Cadmium	0.100	0.00	100.0(a)	0-10
Calcium				
Chromium	22.8	21.9	3.9	0-10
Cobalt				
Copper	anr			
Gold				
Iron	anr			
Lead	0.00	0.00	NC	0-10
Magnesium				
Manganese	anr			
Molybdenum				
Nickel	anr			
Palladium				
Platinum				
Potassium				
Selenium	3.90	0.00	100.0(a)	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium	anr			
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc	anr			

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22327 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal
Zirconium

Associated samples MP22327: MC27399-1, MC27399-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22330
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 12/30/13

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.018	.067	-0.014	<0.20

Associated samples MP22330: MC27399-1, MC27399-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22330
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 12/30/13

Metal	MC27343-5 Original	MS	Spikelot HGRWS1	% Rec	QC Limits
Mercury	0.0	3.1	3	103.3	75-125

Associated samples MP22330: MC27399-1, MC27399-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22330 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 12/30/13

Metal	MC27343-5 Original	MSD	Spikelot HGRWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	3.1	3	103.3	0.0	20

Associated samples MP22330: MC27399-1, MC27399-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC27399
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22330
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date:	12/30/13				12/30/13				
Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	2.9	3	96.7	80-120	3.1	3	103.3	6.7	20

Associated samples MP22330: MC27399-1, MC27399-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

New England ACCUTEST LABORATORIES

Metals Analysis

Raw Data

Folder: #HG21 **PUBLIC FOLDER ** Page 1
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1071	13:32:03 30 Dec 13	HG		
Hg	.000	ppb	17					
*** Standard: 2 Rep: 1				Seq: 1072	13:34:36 30 Dec 13	HG		
Hg	.200	ppb	1583					
*** Standard: 3 Rep: 1				Seq: 1073	13:37:30 30 Dec 13	HG		
Hg	.500	ppb	3514					
*** Standard: 4 Rep: 1				Seq: 1074	13:39:54 30 Dec 13	HG		
Hg	1.00	ppb	6520					
*** Standard: 5 Rep: 1				Seq: 1075	13:42:17 30 Dec 13	HG		
Hg	2.00	ppb	12378					
*** Standard: 6 Rep: 1				Seq: 1076	13:44:40 30 Dec 13	HG		
Hg	3.00	ppb	19079					
*** Standard: 7 Rep: 1				Seq: 1077	13:47:23 30 Dec 13	HG		
Hg	4.00	ppb	24860					
*** Standard: 8 Rep: 1				Seq: 1078	13:49:59 30 Dec 13	HG		
Hg	5.00	ppb	32013					
*** Standard: 9 Rep: 1				Seq: 1079	13:52:44 30 Dec 13	HG		
Hg	6.00	ppb	38244					
*** Sample ID: ICV			H2123013W1	Seq: 1080	13:55:06 30 Dec 13	HG		
Hg	3.61	ppb	.000	3.61				
*** Sample ID: ICB			H2123013W1	Seq: 1081	13:57:37 30 Dec 13	HG		
Hg	-.031	ppb	.000	-.031				

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Sample ID: CCV        H2123013W1 Seq:  1082   14:00:03 30 Dec 13   HG

Hg    2.92    ppb       .000      2.92
                                                                          =
===============================================================================
*** Sample ID: CCB        H2123013W1 Seq:  1083   14:02:26 30 Dec 13   HG

Hg   -.038    ppb       .000     -.038
                                                                          =
===============================================================================
*** Sample ID: CRI        H2123013W1 Seq:  1084   14:04:47 30 Dec 13   HG

Hg    .208    ppb       .000      .208
                                                                          =
*** Sample ID: CRI        H2123013W1 Seq:  1085   14:07:12 30 Dec 13   HG

Hg    .203    ppb       .000      .203
                                                                          =
===============================================================================
*** Sample ID: MP22330MB1 H2123013W1 Seq:  1086   14:10:23 30 Dec 13   HG

Hg   -.014    ppb       .000     -.014
                                                                          =
===============================================================================
*** Sample ID: MP22330-B1 H2123013W1 Seq:  1087   14:12:57 30 Dec 13   HG

Hg    2.92    ppb       .000      2.92
                                                                          =
===============================================================================
*** Sample ID: MP22330-B2 H2123013W1 Seq:  1088   14:15:41 30 Dec 13   HG

Hg    3.11    ppb       .000      3.11
                                                                          =
===============================================================================
*** Sample ID: MP22330-S1 H2123013W1 Seq:  1089   14:18:07 30 Dec 13   HG
                          MC27343-5
Hg    3.13    ppb       .000      3.13
                                                                          =
===============================================================================
*** Sample ID: MP22330-S2 H2123013W1 Seq:  1090   14:20:44 30 Dec 13   HG
                          MC27343-5
Hg    3.11    ppb       .000      3.11
                                                                          =
===============================================================================
*** Sample ID: MC27343-5  H2123013W1 Seq:  1091   14:23:17 30 Dec 13   HG

Hg   -.031    ppb       .000     -.031
                                                                          =
===============================================================================
```

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC27176-1 H2123013W1 Seq: 1092 14:25:38 30 Dec 13 HG								
Hg	-.036	ppb	.000	-.036				
*** Sample ID: MC27176-2 H2123013W1 Seq: 1093 14:28:09 30 Dec 13 HG								
Hg	.034	ppb	.000	.034				
*** Sample ID: CCV H2123013W1 Seq: 1094 14:30:30 30 Dec 13 HG								
Hg	2.72	ppb	.000	2.72				
*** Sample ID: CCB H2123013W1 Seq: 1095 14:32:54 30 Dec 13 HG								
Hg	-.033	ppb	.000	-.033				
*** Sample ID: MC27176-3 H2123013W1 Seq: 1096 14:35:26 30 Dec 13 HG								
Hg	-.018	ppb	.000	-.018				
*** Sample ID: MC27417-5 H2123013W1 Seq: 1097 14:38:00 30 Dec 13 HG								
Hg	.022	ppb	.000	.022				
*** Sample ID: MC27176-4 H2123013W1 Seq: 1098 14:40:26 30 Dec 13 HG								
Hg	-.011	ppb	.000	-.011				
*** Sample ID: MC27252-1 H2123013W1 Seq: 1099 14:42:51 30 Dec 13 HG								
Hg	-.008	ppb	.000	-.008				
*** Sample ID: MC27252-2 H2123013W1 Seq: 1100 14:45:17 30 Dec 13 HG								
Hg	-.007	ppb	.000	-.007				
*** Sample ID: MC27331-5 H2123013W1 Seq: 1101 14:47:41 30 Dec 13 HG								
Hg	-.016	ppb	.000	-.016				

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: MC27332-2 H2123013W1 Seq: 1102 14:50:16 30 Dec 13 HG									
Hg	-.013	ppb	.000	-.013					=
*** Sample ID: MC27332-4 H2123013W1 Seq: 1103 14:53:30 30 Dec 13 HG									
Hg	-.012	ppb	.000	-.012					=
*** Sample ID: MC27332-8 H2123013W1 Seq: 1104 14:55:54 30 Dec 13 HG									
Hg	-.008	ppb	.000	-.008					=
*** Sample ID: MC27343-1 H2123013W1 Seq: 1105 14:58:16 30 Dec 13 HG									
Hg	-.011	ppb	.000	-.011					=
*** Sample ID: CCV H2123013W1 Seq: 1106 15:00:39 30 Dec 13 HG									
Hg	2.91	ppb	.000	2.91					=
*** Sample ID: CCB H2123013W1 Seq: 1107 15:03:02 30 Dec 13 HG									
Hg	-.040	ppb	.000	-.040					=
*** Sample ID: MC27343-2 H2123013W1 Seq: 1108 15:05:24 30 Dec 13 HG									
Hg	-.032	ppb	.000	-.032					=
*** Sample ID: MC27343-3 H2123013W1 Seq: 1109 15:07:51 30 Dec 13 HG									
Hg	-.004	ppb	.000	-.004					=
*** Sample ID: MC27343-4 H2123013W1 Seq: 1110 15:11:05 30 Dec 13 HG									
Hg	-.005	ppb	.000	-.005					=
*** Sample ID: MC27343-6 H2123013W1 Seq: 1111 15:13:41 30 Dec 13 HG									
Hg	-.021	ppb	.000	-.021					=

Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: MC27399-1 H2123013W1 Seq: 1112 15:16:06 30 Dec 13 HG									
Hg	.015	ppb	.000	.015					=
*** Sample ID: MC27399-2 H2123013W1 Seq: 1113 15:18:45 30 Dec 13 HG									
Hg	-.014	ppb	.000	-.014					=
*** Sample ID: MC27417-3 H2123013W1 Seq: 1114 15:21:10 30 Dec 13 HG									
Hg	-.021	ppb	.000	-.021					=
*** Sample ID: CRI H2123013W1 Seq: 1115 15:24:12 30 Dec 13 HG									
Hg	.207	ppb	.000	.207					=
*** Sample ID: CCV H2123013W1 Seq: 1116 15:26:59 30 Dec 13 HG									
Hg	2.84	ppb	.000	2.84					=
*** Sample ID: CCB H2123013W1 Seq: 1117 15:29:32 30 Dec 13 HG									
Hg	-.027	ppb	.000	-.027					=

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 12/27/2013 20:07:54 Type: Cal
Method: Accutest -SS1 with S(v302) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0017**	**-.0010**	**.0000**	**.0000**	**.0016**	**.0188**	**.0005**	**.0029**	**.0018**
Stddev	.0000	.0001	.000	.000	.0001	.0005	.0000	.0000	.0001
%RSD	2.655	12.94	183.7	4.078	4.892	2.641	1.094	.6140	4.283
#1	-.0017	-.0009	.0000	.0000	.0016	.0184	.0005	.0029	.0017
#2	-.0017	-.0011	-.0001	.0000	.0015	.0191	.0005	.0029	.0018

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0004**	**.0000**	**.0008**	**.0004**	**.0456**	**.0000**	**.0003**	**.0003**	**.0136**
Stddev	.0000	.0000	.0000	.0000	.0024	.000	.0000	.0000	.0005
%RSD	.4844	33.40	3.163	11.66	5.294	540.6	7.673	17.56	3.836
#1	-.0004	.0000	.0008	.0004	.0474	.0000	.0002	.0002	.0140
#2	-.0003	.0000	.0008	.0003	.0439	-.0001	.0003	.0003	.0132

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0003**	**-.0003**	**.0002**	**.0001**	**-.0004**	**.0004**	**.0003**	**.0064**	**-.0001**
Stddev	.0000	.0000	.0001	.0000	.0000	.0000	.0001	.0001	.0000
%RSD	2.786	5.936	38.30	8.840	8.975	.2804	23.79	1.205	22.08
#1	-.0003	-.0004	.0001	.0001	-.0004	.0004	.0003	.0064	-.0001
#2	-.0003	-.0003	.0002	.0001	-.0004	.0004	.0002	.0065	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0065**	**-.0002**	**-.0007**	**.0001**	**.0001**	**-.0001**	**.0070**
Stddev	.0001	.0000	.0001	.0000	.0000	.0001	.0000
%RSD	2.069	7.848	8.227	35.11	24.21	72.22	.0994
#1	.0066	-.0002	-.0006	.0001	.0001	-.0001	.0070
#2	.0065	-.0002	-.0007	.0001	.0001	-.0002	.0070

◀ Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 12/27/2013 20:07:54 Type: Cal
Method: Accutest -SS1 with S(v302) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4371.4**	**121510.**	**12009.**
Stddev	39.7	106.	43.
%RSD	.90796	.08717	.35769
#1	4399.5	121440.	12039.
#2	4343.3	121590.	11979.

◀ Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 12/27/2013 20:12:55 Type: Cal
Method: Accutest -SS1 with S(v302) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1239**	**.2139**	**2.279**	**16.31**	**17.65**	**9.314**	**7.996**	**.5063**	**1.656**
Stddev	.0004	.0004	.010	.02	.03	.031	.053	.0003	.006
%RSD	.3257	.1697	.4336	.1208	.1429	.3362	.6623	.0621	.3644
#1	.1242	.2137	2.272	16.30	17.67	9.292	7.958	.5061	1.652
#2	.1236	.2142	2.286	16.33	17.63	9.336	8.033	.5065	1.660

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.409**	**4.264**	**5.669**	**1.345**	**.7817**	**.3976**	**.8052**	**6.890**
Stddev	.011	.038	.025	.008	.0029	.0022	.0034	.026
%RSD	.3236	.8848	.4375	.5745	.3648	.5424	.4211	.3842
#1	3.401	4.238	5.651	1.340	.7797	.3960	.8028	6.871
#2	3.417	4.291	5.686	1.351	.7837	.3991	.8076	6.908

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4350.9**	**121650.**	**11914.**
Stddev	12.7	207.	1.
%RSD	.29173	.17011	.01172
#1	4359.8	121790.	11913.
#2	4341.9	121500.	11915.

◀ Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 12/27/2013 20:17:50 Type: Cal
Method: Accutest -SS1 with S(v302) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.086**	**1.972**	**.9213**	**1.142**	**.1356**	**3.625**
Stddev	.003	.010	.0035	.001	.0007	.000
%RSD	.2856	.4902	.3810	.0613	.5232	.0076
#1	1.083	1.966	.9189	1.142	.1351	3.625
#2	1.088	1.979	.9238	1.142	.1361	3.624

Int. Std.	Y_3710
Units	Cts/S
Avg	**12046.**
Stddev	44.
%RSD	.36153
#1	12077.
#2	12015.

Zoom In Zoom Out

Sample Name: Std4 Acquired: 12/27/2013 20:22:48 Type: Cal
Method: Accutest -SS1 with S(v302) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	S_1820	Si2124	Sn1899	Sr4077	Ti3349	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1540**	**.3238**	**.0574**	**.1540**	**1.439**	**1.608**	**32.19**	**1.300**	**.5789**
Stddev	.0006	.0000	.0002	.0006	.003	.003	.08	.007	.0018
%RSD	.3601	.0145	.3904	.3926	.2363	.1700	.2580	.5265	.3099
#1	.1543	.3238	.0576	.1536	1.437	1.606	32.13	1.305	.5802
#2	.1536	.3239	.0573	.1545	1.442	1.610	32.25	1.295	.5777

Elem	W_2397	Zr3391
Units	Cts/S	Cts/S
Avg	**.0561**	**1.175**
Stddev	.0001	.003
%RSD	.2246	.2419
#1	.0562	1.177
#2	.0560	1.173

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4357.8**	**121460.**	**12133.**
Stddev	6.6	180.	111.
%RSD	.15146	.14780	.91711
#1	4362.4	121340.	12211.
#2	4353.1	121590.	12054.

Zoom In Zoom Out

Sample Name: ICV Acquired: 12/27/2013 20:27:48 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.4997**	**16.24**	**3.128**	**2.997**	**3.048**	**3.090**	**3.026**	**18.24**	**2.929**
Stddev	.0001	.04	.015	.011	.007	.004	.000	.07	.007
%RSD	.0210	.2446	.4757	.3752	.2268	.1181	.0096	.4008	.2434
#1	.4998	16.21	3.118	2.989	3.043	3.087	3.026	18.29	2.924
#2	.4996	16.26	3.139	3.005	3.053	3.092	3.026	18.18	2.934

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**3.077**	**3.027**	**3.052**	**18.80**	**15.55**	**18.68**	**3.056**	**2.958**	**15.53**
Stddev	.004	.011	.002	.07	.11	.05	.002	.013	.04
%RSD	.1315	.3516	.0686	.3840	.6881	.2472	.0796	.4430	.2302
#1	3.074	3.035	3.053	18.85	15.63	18.64	3.058	2.949	15.56
#2	3.080	3.020	3.050	18.74	15.48	18.71	3.054	2.967	15.51

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**2.921**	**2.910**	**3.060**	**3.061**	**3.012**	**3.022**	**3.024**	**3.014**	**3.195**
Stddev	.008	.003	.002	.004	.011	.005	.009	.007	.004
%RSD	.2770	.1099	.0634	.1149	.3600	.1513	.2805	.2241	.1273
#1	2.915	2.907	3.062	3.058	3.004	3.019	3.018	3.009	3.192
#2	2.926	2.912	3.059	3.063	3.020	3.025	3.030	3.019	3.198

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**3.183**	**3.103**	**2.919**	**3.041**	**2.950**	**2.924**	**3.210**
Stddev	.043	.005	.004	.005	.003	.008	.005
%RSD	1.337	.1633	.1306	.1672	.0934	.2882	.1447
#1	3.214	3.099	2.916	3.038	2.951	2.918	3.207
#2	3.153	3.106	2.922	3.045	2.948	2.930	3.214

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4287.3**	**119300.**	**11747.**
Stddev	5.2	241.	83.
%RSD	.12042	.20225	.70729
#1	4290.9	119470.	11688.
#2	4283.6	119130.	11806.

Zoom In Zoom Out

Sample Name: ICB Acquired: 12/27/2013 20:32:37 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.0112**	**.0002**	**.0042**	**.0020**	**.0001**	**.0001**	**.0009**	F **.0005**
Stddev	.0000	.0015	.0013	.0009	.0003	.0001	.0001	.0014	.0001
%RSD	45.41	13.01	734.5	20.88	12.44	52.49	128.1	158.6	19.58
#1	-.0001	.0122	-.0008	.0036	.0022	.0001	.0000	.0019	.0005
#2	-.0001	.0102	.0011	.0049	.0018	.0002	.0001	-.0001	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0006**	**.0005**	**.0002**	**.0017**	**-.0273**	**.0023**	**.0002**	**.0056**	**.0065**
Stddev	.0000	.0002	.0001	.0037	.0234	.0097	.0000	.0011	.0044
%RSD	3.807	44.52	51.20	220.8	85.50	425.1	18.00	20.37	67.84
#1	.0006	.0003	.0002	-.0009	-.0439	-.0046	.0002	.0064	.0096
#2	.0006	.0007	.0003	.0043	-.0108	.0091	.0003	.0048	.0034

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0008**	**.0013**	**.0016**	**-.0015**	**.0010**	**.0006**	**.0005**	**-.0003**	**.0008**
Stddev	.0000	.0003	.0002	.0011	.0003	.0008	.0006	.0004	.0002
%RSD	.8487	24.79	15.68	72.33	28.32	134.2	112.8	150.3	26.27
#1	.0008	.0015	.0017	-.0007	.0013	.0012	.0001	.0000	.0010
#2	.0008	.0011	.0014	-.0022	.0008	.0000	.0009	-.0005	.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0002**	**.0007**	**.0011**	**.0002**	**.0105**	**.0004**	**.0015**
Stddev	.0000	.0001	.0002	.0002	.0031	.0000	.0001
%RSD	9.628	18.88	14.64	73.75	29.28	8.666	3.720
#1	.0002	.0008	.0010	.0001	.0084	.0003	.0015
#2	.0002	.0006	.0012	.0004	.0127	.0004	.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4233.9**	**119620.**	**11814.**
Stddev	14.6	38.	32.
%RSD	.34432	.03137	.26683
#1	4244.3	119590.	11837.
#2	4223.6	119640.	11792.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/27/2013 20:37:37 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2453**	**10.03**	**1.960**	**-.0043**	**1.987**	**2.002**	**1.977**	**10.04**	**1.961**
Stddev	.0019	.09	.013	.0000	.003	.004	.014	.05	.001
%RSD	.7650	.8985	.6407	.2620	.1375	.1973	.7053	.4880	.0690
#1	.2467	9.965	1.969	-.0043	1.985	1.999	1.967	10.00	1.960
#2	.2440	10.09	1.951	-.0043	1.989	2.005	1.987	10.07	1.962

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.077**	**1.944**	**1.947**	**10.11**	**10.04**	**9.971**	**1.984**	**1.998**	**10.09**
Stddev	.008	.021	.019	.10	.03	.148	.020	.012	.04
%RSD	.3721	1.091	.9853	.9415	.2572	1.484	1.011	.5859	.3689
#1	2.071	1.959	1.960	10.04	10.02	9.866	1.998	1.990	10.06
#2	2.082	1.929	1.933	10.18	10.05	10.08	1.970	2.007	10.12

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.950**	**1.942**	**.0010**	**.0024**	**-.0083**	**2.005**	**2.012**	**-.0495**	**1.999**
Stddev	.004	.004	.0004	.0001	.0005	.006	.005	.0011	.006
%RSD	.1864	.2130	33.88	5.207	6.572	.2807	.2599	2.158	.3103
#1	1.948	1.939	.0013	.0023	-.0079	2.001	2.008	-.0502	1.995
#2	1.953	1.945	.0008	.0025	-.0087	2.009	2.016	-.0487	2.003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**2.081**	**1.977**	**1.951**	**1.972**	**-.0006**	**1.936**	**.0391**
Stddev	.009	.026	.006	.026	.0011	.004	.0076
%RSD	.4406	1.310	.3201	1.331	192.7	.2174	19.51
#1	2.074	1.996	1.947	1.991	.0002	1.933	.0445
#2	2.087	1.959	1.956	1.954	-.0013	1.939	.0337

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4327.7**	**122590.**	**11978.**
Stddev	10.7	1636.	35.
%RSD	.24705	1.3345	.29490
#1	4335.2	121430.	12003.
#2	4320.1	123740.	11953.

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/27/2013 20:42:23 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0003**	**.0005**	**.0015**	**.0013**	**.0015**	**.0000**	**.0000**	**.0004**	**.0003**
Stddev	.0004	.0045	.0000	.0004	.0001	.0000	.0000	.0008	.0001
%RSD	144.0	829.9	3.070	29.10	6.109	72.05	84.94	194.9	21.20
#1	-.0005	.0037	.0015	.0016	.0015	.0001	.0001	.0009	.0003
#2	.0000	-.0026	.0015	.0011	.0014	.0000	.0000	-.0002	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0003**	**.0001**	**.0000**	**.0005**	**-.0479**	**-.0194**	**.0001**	**.0038**	**.0112**
Stddev	.0001	.0002	.000	.0007	.0805	.0104	.0000	.0007	.0085
%RSD	38.58	179.1	1451.	150.9	168.0	53.60	36.79	18.78	75.40
#1	.0002	.0003	.0000	.0000	.0090	-.0121	.0000	.0043	.0172
#2	.0004	.0000	.0000	.0009	-.1048	-.0268	.0001	.0033	.0052

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0003**	**.0004**	**.0005**	**-.0011**	**-.0007**	**.0002**	**.0000**	**.0006**	**.0003**
Stddev	.0002	.0005	.0002	.0023	.0000	.0004	.001	.0003	.0000
%RSD	67.55	137.9	36.73	204.1	2.168	148.3	11590.	46.03	5.175
#1	.0002	.0007	.0007	-.0027	-.0007	.0000	.0006	.0004	.0003
#2	.0005	.0000	.0004	.0005	-.0007	.0005	-.0006	.0007	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0004**	**.0014**	**-.0001**	**.0023**	**.0003**	**-.0006**
Stddev	.000	.0001	.0001	.0002	.0038	.0000	.0000
%RSD	144.8	14.16	7.673	123.0	164.5	1.332	1.866
#1	.0000	.0004	.0014	.0000	.0050	.0003	-.0006
#2	-.0001	.0005	.0013	-.0002	-.0004	.0003	-.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4258.4**	**120680.**	**11901.**
Stddev	21.0	57.	64.
%RSD	.49425	.04697	.53599
#1	4273.3	120640.	11856.
#2	4243.5	120720.	11946.

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/27/2013 20:47:22 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0049**	**.2169**	**.0034**	**.0011**	**.1049**	**.0507**	**.0041**	**5.079**	**.0041**
Stddev	.0000	.0084	.0001	.0005	.0006	.0001	.0000	.024	.0001
%RSD	.1373	3.852	2.763	39.86	.5929	.2582	.6294	.4788	1.783
#1	.0049	.2228	.0033	.0008	.1053	.0507	.0041	5.062	.0042
#2	.0049	.2110	.0034	.0015	.1044	.0506	.0041	5.096	.0041

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0550**	**.0099**	**.0249**	**.1033**	**5.047**	**5.032**	**.0157**	**.1073**	**5.203**
Stddev	.0002	.0003	.0000	.0010	.020	.014	.0001	.0004	.002
%RSD	.4442	2.795	.0154	.9950	.4012	.2817	.3391	.3733	.0445
#1	.0551	.0101	.0249	.1026	5.033	5.042	.0157	.1076	5.202
#2	.0548	.0097	.0249	.1041	5.061	5.022	.0157	.1070	5.205

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0416**	**.0045**	**-.0003**	**-.0013**	**-.0024**	**.0075**	**.0110**	**.0016**	**.1025**
Stddev	.0001	.0001	.0001	.0014	.0011	.0001	.0004	.0001	.0005
%RSD	.2895	1.845	35.26	110.3	46.03	.7134	3.906	5.627	.4583
#1	.0417	.0045	-.0002	-.0023	-.0016	.0075	.0107	.0016	.1029
#2	.0415	.0046	-.0004	-.0003	-.0032	.0074	.0113	.0015	.1022

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0106**	**.0530**	**.0042**	**.0103**	**.0036**	**.0209**	**.0000**
Stddev	.0001	.0003	.0003	.0000	.0005	.0002	.000
%RSD	.4861	.6092	6.008	.2848	13.20	.7174	420.4
#1	.0105	.0532	.0040	.0104	.0033	.0210	-.0001
#2	.0106	.0528	.0044	.0103	.0040	.0208	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4217.9**	**118380.**	**11716.**
Stddev	6.5	139.	42.
%RSD	.15509	.11701	.35691
#1	4213.3	118280.	11745.
#2	4222.5	118480.	11686.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/27/2013 20:52:16 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0001**	**555.2**	**-.0012**	**-.0143**	**.0003**	**-.0002**	**.0001**	**470.2**	**.0001**
Stddev	.0004	10.2	.0021	.0012	.0001	.0002	.0000	6.0	.0000
%RSD	553.9	1.842	171.4	8.732	25.33	80.73	72.69	1.274	28.76
#1	.0004	548.0	.0003	-.0134	.0003	-.0004	.0001	466.0	.0001
#2	-.0002	562.4	-.0027	-.0152	.0004	-.0001	.0000	474.5	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0004**	**-.0001**	**.0012**	**194.1**	**.1216**	**535.2**	**-.0002**	**-.0026**	**.0227**
Stddev	.0002	.0003	.0002	2.7	.0351	5.6	.0000	.0003	.0053
%RSD	48.50	531.9	12.96	1.368	28.87	1.052	5.425	11.91	23.32
#1	.0005	.0002	.0011	192.2	.0968	531.2	-.0002	-.0024	.0190
#2	.0002	-.0003	.0014	196.0	.1464	539.2	-.0002	-.0028	.0265

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0021**	**.0006**	**-.0041**	**-.0027**	**-.0172**	**.0001**	**.0038**	**.0402**	**-.0018**
Stddev	.0000	.0010	.0004	.0012	.0029	.0003	.0008	.0002	.0001
%RSD	.6187	183.2	10.31	45.34	16.87	278.4	21.39	.4516	3.499
#1	-.0021	-.0002	-.0038	-.0019	-.0192	.0003	.0044	.0404	-.0019
#2	-.0021	.0013	-.0044	-.0036	-.0151	-.0001	.0032	.0401	-.0018

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0013**	**.0052**	**-.0011**	**-.0002**	**.0021**	**-.0014**	**.0053**
Stddev	.0000	.0003	.0010	.0001	.0039	.0003	.0001
%RSD	.0521	5.015	92.81	56.71	181.3	20.91	1.170
#1	.0013	.0050	-.0004	-.0001	-.0006	-.0012	.0054
#2	.0013	.0054	-.0018	-.0003	.0049	-.0016	.0053

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3924.7**	**112200.**	**11161.**
Stddev	11.1	573.	139.
%RSD	.28302	.51060	1.2462
#1	3932.6	111790.	11259.
#2	3916.9	112610.	11063.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/27/2013 20:57:18 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**1.039**	**543.4**	**2.096**	**.4676**	**.9688**	**.5129**	**.4666**	**452.6**	**.9874**
Stddev	.007	.9	.041	.0063	.0161	.0050	.0002	3.6	.0176
%RSD	.7255	.1733	1.936	1.353	1.665	.9710	.0378	.7859	1.778
#1	1.034	544.1	2.067	.4632	.9574	.5165	.4667	450.1	.9750
#2	1.044	542.7	2.125	.4721	.9802	.5094	.4664	455.1	.9998

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4699**	**.4496**	**.5107**	**190.5**	**.1316**	**523.0**	**.4648**	**.9315**	**.0230**
Stddev	.0078	.0024	.0071	.9	.0255	1.0	.0034	.0180	.0052
%RSD	1.665	.5281	1.390	.4837	19.41	.1858	.7326	1.931	22.38
#1	.4643	.4480	.5057	189.9	.1496	522.3	.4624	.9188	.0266
#2	.4754	.4513	.5158	191.2	.1135	523.7	.4672	.9442	.0194

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.8394**	**.8450**	**.5134**	**.4910**	**.4501**	**2.055**	**1.994**	**2.098**	**.9081**
Stddev	.0136	.0130	.0067	.0096	.0063	.036	.034	.035	.0134
%RSD	1.623	1.541	1.310	1.946	1.405	1.765	1.727	1.679	1.478
#1	.8298	.8358	.5086	.4842	.4456	2.029	1.970	2.073	.8986
#2	.8490	.8542	.5181	.4977	.4546	2.080	2.018	2.123	.9176

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.035**	**.4840**	**1.714**	**.4838**	**1.792**	**.8656**	**.4022**
Stddev	.008	.0043	.030	.0047	.008	.0139	.0068
%RSD	.7635	.8909	1.737	.9617	.4514	1.607	1.691
#1	1.041	.4809	1.693	.4805	1.786	.8558	.3974
#2	1.030	.4870	1.735	.4871	1.797	.8754	.4070

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3903.3**	**110940.**	**11425.**
Stddev	54.2	781.	18.
%RSD	1.3895	.70395	.16131
#1	3941.7	111490.	11438.
#2	3865.0	110390.	11412.

Zoom In Zoom Out

Sample Name: MP22327-B1 Acquired: 12/27/2013 21:02:14 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2090**	**2.269**	**.5491**	**-.0008**	**.0018**	**2.081**	**.5107**	**25.40**	**.5173**
Stddev	.0014	.004	.0018	.0006	.0001	.006	.0029	.21	.0009
%RSD	.6611	.1697	.3326	84.60	3.237	.3079	.5628	.8271	.1775
#1	.2080	2.267	.5503	-.0003	.0018	2.086	.5086	25.25	.5180
#2	.2099	2.272	.5478	-.0012	.0018	2.077	.5127	25.55	.5167

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5400**	**.5121**	**.5098**	**2.163**	**26.12**	**26.39**	**.5115**	**.0020**	**26.54**
Stddev	.0006	.0009	.0004	.026	.05	.49	.0001	.0007	.03
%RSD	.1146	.1833	.0839	1.203	.1939	1.874	.0199	36.97	.1302
#1	.5404	.5114	.5095	2.145	26.16	26.04	.5115	.0025	26.56
#2	.5396	.5127	.5102	2.181	26.09	26.74	.5116	.0015	26.51

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.5043**	**1.013**	**.0000**	**.0026**	**.0017**	**.5344**	**.5067**	**.0253**	**-.0018**
Stddev	.0005	.000	.001	.0011	.0018	.0001	.0005	.0011	.0002
%RSD	.0998	.0130	3047.	41.13	107.2	.0258	.0936	4.335	12.87
#1	.5047	1.013	.0004	.0018	.0030	.5345	.5070	.0261	-.0016
#2	.5040	1.013	-.0004	.0033	.0004	.5343	.5064	.0245	-.0020

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5270**	**.5144**	**.5115**	**.5426**	**.0133**	**.5197**	**.0644**
Stddev	.0016	.0006	.0005	.0006	.0011	.0007	.0064
%RSD	.3124	.1072	.1016	.1030	8.055	.1348	9.930
#1	.5259	.5140	.5119	.5422	.0125	.5202	.0689
#2	.5282	.5148	.5112	.5430	.0140	.5192	.0598

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4173.4**	**116780.**	**11725.**
Stddev	6.5	410.	36.
%RSD	.15502	.35066	.31108
#1	4168.9	116490.	11750.
#2	4178.0	117070.	11699.

Zoom In Zoom Out

Sample Name: MP22327-MB1 Acquired: 12/27/2013 21:07:01 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0001**	**.0091**	**.0002**	**.0008**	**.0006**	**.0000**	**.0000**	**.0108**	**.0000**
Stddev	.0005	.0032	.0006	.0003	.0000	.000	.000	.0013	.0000
%RSD	410.4	35.22	322.7	35.57	2.049	1029.	166.0	12.33	48.06
#1	-.0004	.0068	-.0002	.0010	.0006	.0001	.0000	.0117	.0000
#2	.0002	.0113	.0006	.0006	.0006	-.0002	-.0001	.0099	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**.0000**	**.0004**	**.0014**	**-.0409**	**.0112**	**.0002**	**.0004**	**.0318**
Stddev	.0000	.0002	.0001	.0007	.0101	.0244	.0000	.0001	.0020
%RSD	7.627	456.4	15.73	48.31	24.69	216.9	7.318	18.24	6.244
#1	-.0002	-.0001	.0003	.0009	-.0338	.0285	.0001	.0005	.0304
#2	-.0002	.0002	.0004	.0019	-.0481	-.0060	.0002	.0004	.0332

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0003**	**.0003**	**.0005**	**-.0010**	**.0048**	**.0009**	**.0004**	**.0313**	**.0000**
Stddev	.0001	.0007	.0007	.0000	.0010	.0000	.0009	.0016	.000
%RSD	17.16	261.7	130.5	.7908	21.17	4.566	218.0	5.106	1821.
#1	-.0003	.0007	.0000	-.0010	.0040	.0009	.0011	.0324	.0000
#2	-.0004	-.0002	.0010	-.0010	.0055	.0010	-.0002	.0302	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0000**	**-.0007**	**.0001**	**.0075**	**.0021**	**-.0001**
Stddev	.0000	.0001	.0003	.0000	.0014	.0000	.0000
%RSD	74.69	486.7	37.94	38.51	18.61	.9229	25.13
#1	.0001	-.0001	-.0005	.0001	.0065	.0021	-.0001
#2	.0000	.0001	-.0009	.0000	.0085	.0021	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4173.3**	**117280.**	**11749.**
Stddev	7.4	365.	34.
%RSD	.17835	.31150	.28986
#1	4178.6	117020.	11773.
#2	4168.0	117540.	11724.

Zoom In Zoom Out

Sample Name: MP22327-S1 Acquired: 12/27/2013 21:12:01 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2243**	**2.435**	**.5704**	**-.0062**	**.1839**	**8.227**	**.5096**	**215.8**	**.5451**
Stddev	.0007	.005	.0009	.0011	.0002	.035	.0006	.5	.0010
%RSD	.3027	.2079	.1621	17.20	.1002	.4271	.1231	.2170	.1909
#1	.2248	2.431	.5711	-.0054	.1840	8.202	.5100	215.5	.5458
#2	.2239	2.438	.5698	-.0069	.1837	8.252	.5091	216.2	.5443

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5327**	**.5319**	**.5321**	**2.173**	**68.59**	**69.62**	**.6781**	**.0231**	F **504.3**
Stddev	.0033	.0025	.0008	.001	.01	.09	.0001	.0001	1.0
%RSD	.6125	.4745	.1432	.0257	.0177	.1349	.0191	.3800	.1933
#1	.5351	.5337	.5326	2.174	68.59	69.56	.6782	.0232	503.6
#2	.5304	.5302	.5315	2.173	68.58	69.69	.6781	.0231	505.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.4933**	**.9850**	**-.0092**	**.0035**	**10.31**	**.5623**	**.5338**	**5.953**	**-.0015**
Stddev	.0019	.0035	.0010	.0021	.02	.0020	.0026	.026	.0002
%RSD	.3904	.3546	10.81	59.02	.1927	.3525	.4901	.4453	12.90
#1	.4947	.9875	-.0085	.0021	10.32	.5637	.5356	5.971	-.0016
#2	.4919	.9825	-.0099	.0050	10.29	.5609	.5319	5.934	-.0013

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**4.848**	**.5226**	**.4854**	**.5511**	**.0031**	**.5102**	**-.0205**
Stddev	.012	.0005	.0010	.0012	.0008	.0008	.0001
%RSD	.2410	.0916	.2069	.2193	24.77	.1654	.6642
#1	4.840	.5222	.4861	.5503	.0026	.5108	-.0206
#2	4.856	.5229	.4846	.5520	.0037	.5096	-.0204

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3802.1**	**108080.**	**11262.**
Stddev	15.9	196.	57.
%RSD	.41835	.18111	.51023
#1	3790.9	108210.	11302.
#2	3813.4	107940.	11221.

Zoom In Zoom Out

Sample Name: MP22327-S2 Acquired: 12/27/2013 21:17:06 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2273**	**2.386**	**.5779**	**-.0059**	**.1890**	**8.271**	**.5029**	**217.3**	**.5496**
Stddev	.0001	.003	.0049	.0006	.0011	.096	.0004	.4	.0033
%RSD	.0578	.1311	.8507	9.826	.5675	1.157	.0866	.1714	.6045
#1	.2274	2.388	.5814	-.0055	.1898	8.338	.5026	217.6	.5519
#2	.2272	2.383	.5744	-.0063	.1882	8.203	.5032	217.0	.5472

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5377**	**.5381**	**.5379**	**2.156**	**68.98**	**69.25**	**.6867**	**.0238**	F **486.8**
Stddev	.0035	.0010	.0018	.026	.20	.22	.0017	.0000	10.9
%RSD	.6423	.1910	.3360	1.194	.2933	.3186	.2534	.1942	2.230
#1	.5402	.5374	.5367	2.138	68.84	69.41	.6879	.0238	494.5
#2	.5353	.5388	.5392	2.174	69.12	69.10	.6854	.0238	479.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.4977**	**.9946**	**-.0090**	**.0018**	**10.62**	**.5673**	**.5395**	**6.134**	**-.0012**
Stddev	.0027	.0059	.0005	.0014	.05	.0044	.0032	.037	.0000
%RSD	.5459	.5976	5.379	77.16	.5132	.7792	.5934	.6016	1.182
#1	.4997	.9988	-.0087	.0028	10.66	.5705	.5418	6.160	-.0012
#2	.4958	.9904	-.0093	.0008	10.58	.5642	.5373	6.108	-.0012

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**4.956**	**.5240**	**.4892**	**.5540**	**.0061**	**.5160**	**-.0271**
Stddev	.060	.0012	.0035	.0013	.0009	.0020	.0000
%RSD	1.205	.2317	.7137	.2276	14.88	.3888	.0180
#1	4.998	.5249	.4917	.5549	.0067	.5174	-.0272
#2	4.914	.5232	.4867	.5531	.0054	.5145	-.0271

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3745.8**	**106450.**	**11315.**
Stddev	23.7	78.	67.
%RSD	.63185	.07350	.59420
#1	3729.0	106390.	11267.
#2	3762.5	106500.	11362.

Zoom In Zoom Out

Sample Name: MC27399-2 Acquired: 12/27/2013 21:22:12 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0003**	**.0918**	**.0014**	**-.0052**	**.1861**	**6.151**	**-.0001**	**191.0**	**.0001**
Stddev	.0004	.0042	.0010	.0007	.0001	.080	.0000	.1	.0001
%RSD	138.8	4.590	69.65	14.08	.0786	1.305	9.873	.0350	43.09
#1	.0000	.0888	.0021	-.0057	.1860	6.094	-.0001	191.0	.0001
#2	-.0005	.0948	.0007	-.0047	.1862	6.207	-.0001	190.9	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0005**	**.0228**	**.0011**	**.0404**	**41.86**	**42.29**	**.1698**	**.0236**	**F 454.5**
Stddev	.0000	.0003	.0000	.0030	.03	.16	.0008	.0001	3.5
%RSD	6.158	1.369	2.520	7.346	.0634	.3741	.4510	.2556	.7727
#1	.0005	.0226	.0011	.0425	41.84	42.40	.1704	.0235	452.0
#2	.0005	.0230	.0011	.0383	41.88	42.18	.1693	.0236	457.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0010**	**-.0011**	**-.0068**	**.0021**	**10.47**	**.0011**	**.0039**	**5.966**	**.0003**
Stddev	.0001	.0003	.0003	.0007	.00	.0002	.0003	.010	.0000
%RSD	9.095	29.69	3.959	33.74	.0244	16.51	6.909	.1724	.3418
#1	.0009	-.0014	-.0066	.0016	10.47	.0013	.0037	5.973	.0003
#2	.0010	-.0009	-.0070	.0027	10.47	.0010	.0041	5.959	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**4.367**	**.0013**	**-.0006**	**.0002**	**.0046**	**.0020**	**-.0306**
Stddev	.059	.0003	.0002	.0003	.0017	.0000	.0003
%RSD	1.342	19.25	34.01	189.4	36.20	1.218	1.068
#1	4.409	.0015	-.0007	.0004	.0058	.0020	-.0308
#2	4.326	.0012	-.0004	-.0001	.0034	.0020	-.0304

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3812.1**	**108640.**	**11456.**
Stddev	8.3	590.	33.
%RSD	.21661	.54260	.28667
#1	3806.3	108230.	11432.
#2	3818.0	109060.	11479.

Zoom In Zoom Out

Sample Name: MP22327-SD1 Acquired: 12/27/2013 21:27:25 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0024**	**.1980**	**.0042**	**-.0039**	**.1870**	**6.185**	**-.0002**	**196.9**	**.0001**
Stddev	.0009	.0537	.0063	.0032	.0006	.006	.0000	.1	.0001
%RSD	36.52	27.14	149.7	81.27	.3026	.1023	3.658	.0336	109.6
#1	-.0018	.1600	.0086	-.0061	.1866	6.180	-.0002	196.9	.0002
#2	-.0030	.2360	-.0002	-.0017	.1874	6.189	-.0002	196.9	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0219**	**.0007**	**.0408**	**42.27**	**43.65**	**.1719**	**.0225**	**556.1**
Stddev	.000	.0022	.0004	.0151	.15	.47	.0009	.0007	1.8
%RSD	1775.	10.11	59.96	36.95	.3488	1.069	.5006	3.291	.3210
#1	.0001	.0235	.0004	.0514	42.16	43.98	.1713	.0230	554.8
#2	-.0001	.0203	.0010	.0301	42.37	43.32	.1725	.0219	557.3

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0014**	**-.0004**	**-.0062**	**.0032**	**10.24**	**.0030**	**.0022**	**5.847**	**-.0007**
Stddev	.0014	.0007	.0006	.0033	.05	.0002	.0001	.022	.0008
%RSD	101.1	200.6	8.867	102.7	.4688	6.674	2.435	.3833	111.0
#1	.0004	-.0009	-.0066	.0009	10.28	.0031	.0022	5.863	-.0012
#2	.0024	-.0001	-.0058	.0055	10.21	.0028	.0022	5.831	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**4.474**	**.0025**	**-.0009**	**.0005**	**-.0020**	**.0023**	**-.0294**
Stddev	.004	.0001	.0023	.0004	.0049	.0002	.0013
%RSD	.0861	4.526	252.0	85.53	243.8	7.928	4.284
#1	4.472	.0024	.0007	.0002	.0015	.0022	-.0303
#2	4.477	.0026	-.0025	.0008	-.0055	.0024	-.0285

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4117.7**	**116780.**	**11671.**
Stddev	17.7	484.	40.
%RSD	.43094	.41475	.34109
#1	4105.1	117120.	11699.
#2	4130.2	116440.	11642.

Zoom In Zoom Out

Sample Name: MP22327-B2 Acquired: 12/27/2013 21:32:23 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2109**	**2.266**	**.5473**	**-.0001**	**.0017**	**2.095**	**.5089**	**25.24**	**.5205**
Stddev	.0009	.011	.0031	.0006	.0002	.008	.0004	.00	.0003
%RSD	.4386	.4972	.5619	444.3	11.36	.3871	.0808	.0015	.0573
#1	.2116	2.258	.5495	-.0006	.0018	2.089	.5092	25.24	.5202
#2	.2103	2.274	.5452	.0003	.0016	2.101	.5086	25.24	.5207

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5473**	**.5167**	**.5089**	**2.159**	**26.04**	**25.99**	**.5136**	**-.0002**	**26.05**
Stddev	.0009	.0005	.0002	.004	.04	.20	.0014	.0000	.01
%RSD	.1735	.0877	.0307	.1904	.1391	.7675	.2743	9.544	.0485
#1	.5467	.5170	.5090	2.162	26.02	26.13	.5126	-.0003	26.04
#2	.5480	.5164	.5088	2.156	26.07	25.85	.5146	-.0002	26.05

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.5072**	**1.026**	**.0002**	**.0018**	**.0011**	**.5442**	**.5160**	**.0254**	**-.0018**
Stddev	.0004	.003	.0008	.0006	.0006	.0010	.0009	.0002	.0001
%RSD	.0828	.2828	325.7	31.63	52.84	.1802	.1731	.6501	5.988
#1	.5069	1.024	.0008	.0022	.0015	.5435	.5166	.0253	-.0017
#2	.5075	1.028	-.0003	.0014	.0007	.5449	.5153	.0255	-.0018

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5250**	**.5181**	**.5152**	**.5464**	**.0015**	**.5206**	**.0012**
Stddev	.0001	.0023	.0019	.0016	.0009	.0011	.0000
%RSD	.0260	.4496	.3700	.2837	58.89	.2030	.2518
#1	.5249	.5164	.5138	.5453	.0009	.5199	.0012
#2	.5251	.5197	.5165	.5475	.0021	.5214	.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4110.1**	**117280.**	**11740.**
Stddev	3.0	497.	29.
%RSD	.07310	.42344	.25104
#1	4108.0	116930.	11720.
#2	4112.2	117630.	11761.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/27/2013 21:37:12 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2554**	**10.54**	**1.985**	**-.0053**	**2.031**	**2.073**	**2.068**	**10.41**	**2.001**
Stddev	.0001	.10	.001	.0003	.002	.018	.026	.10	.003
%RSD	.0340	.9566	.0727	6.110	.1173	.8881	1.242	1.004	.1465
#1	.2553	10.62	1.984	-.0051	2.029	2.086	2.086	10.49	1.999
#2	.2554	10.47	1.986	-.0055	2.032	2.060	2.050	10.34	2.003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.112**	**1.997**	**2.019**	**10.68**	**10.40**	**10.40**	**2.043**	**2.033**	**10.61**
Stddev	.005	.011	.004	.16	.07	.13	.003	.010	.11
%RSD	.2442	.5337	.1907	1.472	.6687	1.293	.1520	.5034	.9975
#1	2.108	1.989	2.016	10.79	10.45	10.49	2.041	2.025	10.68
#2	2.116	2.005	2.022	10.57	10.35	10.30	2.046	2.040	10.53

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.984**	**1.973**	**.0015**	**.0007**	**-.0096**	**2.054**	**2.050**	**-.0520**	**2.029**
Stddev	.003	.003	.0001	.0014	.0006	.007	.005	.0004	.003
%RSD	.1559	.1537	4.736	185.0	6.314	.3573	.2598	.7725	.1684
#1	1.982	1.971	.0015	.0017	-.0092	2.049	2.046	-.0523	2.026
#2	1.986	1.975	.0014	-.0002	-.0101	2.059	2.054	-.0518	2.031

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**2.178**	**2.061**	**1.988**	**2.051**	**-.0047**	**1.956**	**.0012**
Stddev	.023	.005	.005	.003	.0019	.005	.0007
%RSD	1.061	.2505	.2411	.1275	40.33	.2715	54.55
#1	2.195	2.065	1.984	2.053	-.0061	1.952	.0017
#2	2.162	2.057	1.991	2.050	-.0034	1.959	.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4227.0**	**118440.**	**11599.**
Stddev	11.3	62.	92.
%RSD	.26758	.05213	.79400
#1	4235.0	118400.	11534.
#2	4219.0	118480.	11664.

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/27/2013 21:41:57 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0004**	**.0051**	**-.0003**	**.0008**	**.0010**	**.0001**	**.0000**	**-.0009**	**.0002**
Stddev	.0004	.0061	.0012	.0002	.0001	.0001	.000	.0008	.0000
%RSD	109.8	120.5	390.5	25.34	9.167	143.1	150.7	95.22	27.62
#1	-.0007	.0094	-.0012	.0009	.0011	.0000	.0000	-.0015	.0001
#2	-.0001	.0007	.0006	.0007	.0009	.0001	.0000	-.0003	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0001**	**.0000**	**.0014**	**-.0504**	**.0089**	**.0001**	**.0029**	**.2471**
Stddev	.0001	.0000	.000	.0007	.0102	.0191	.0001	.0006	.0027
%RSD	27.73	15.47	142.0	46.42	20.29	215.7	109.5	22.37	1.099
#1	.0002	.0001	-.0001	.0010	-.0432	.0224	.0001	.0034	.2491
#2	.0002	.0001	.0000	.0019	-.0577	-.0047	.0000	.0024	.2452

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**.0002**	**.0002**	**-.0008**	**.0002**	**.0006**	**.0006**	**.0003**	**.0003**
Stddev	.0002	.0003	.0002	.0028	.0003	.0004	.0001	.0004	.0000
%RSD	111.0	151.5	127.5	338.8	149.2	57.46	12.35	160.7	4.082
#1	.0000	.0004	.0004	.0012	.0004	.0004	.0006	.0006	.0003
#2	.0003	.0000	.0000	-.0029	.0000	.0009	.0007	.0000	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0002**	**.0012**	**.0000**	**-.0001**	**.0003**	**-.0004**
Stddev	.0000	.0001	.0002	.0004	.0015	.0001	.0000
%RSD	20.53	62.12	12.41	1252.	1020.	39.29	4.156
#1	.0001	.0001	.0014	-.0002	-.0012	.0002	-.0004
#2	.0001	.0003	.0011	.0003	.0009	.0004	-.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4196.8**	**117570.**	**11728.**
Stddev	27.2	273.	52.
%RSD	.64812	.23188	.44016
#1	4177.6	117380.	11691.
#2	4216.1	117760.	11764.

Zoom In Zoom Out

Sample Name: MP22327-MB2 Acquired: 12/27/2013 21:46:56 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0005**	**-.0010**	**.0004**	**.0003**	**.0011**	**.0001**	**-.0001**	**.0180**	**.0000**
Stddev	.0001	.0022	.0013	.0006	.0001	.0000	.0000	.0042	.0001
%RSD	12.64	230.9	335.2	177.7	6.991	50.26	17.19	23.57	128.5
#1	-.0005	.0006	.0013	-.0001	.0011	.0001	-.0001	.0210	.0001
#2	-.0006	-.0025	-.0005	.0007	.0010	.0001	-.0001	.0150	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0003**	**.0001**	**.0008**	**.0003**	**-.0987**	**-.0157**	**.0005**	**.0007**	**.2589**
Stddev	.0001	.0002	.0001	.0014	.0244	.0288	.0000	.0002	.0009
%RSD	30.80	378.6	10.53	559.9	24.71	183.7	1.454	24.95	.3287
#1	-.0002	.0002	.0008	.0013	-.1160	.0047	.0005	.0008	.2583
#2	-.0003	-.0001	.0007	-.0008	-.0815	-.0360	.0005	.0006	.2595

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0004**	**-.0001**	**.0007**	**-.0005**	**.0141**	**.0013**	**.0006**	**.0437**	**.0003**
Stddev	.0000	.0002	.0006	.0002	.0006	.0002	.0001	.0000	.0001
%RSD	8.445	286.6	87.41	38.82	4.037	13.49	19.59	.0775	35.82
#1	-.0004	-.0003	.0003	-.0007	.0137	.0015	.0006	.0437	.0003
#2	-.0004	.0001	.0011	-.0004	.0145	.0012	.0005	.0437	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0004**	**-.0014**	**.0000**	**.0032**	**.0033**	**-.0013**
Stddev	.0000	.0001	.0003	.0002	.0007	.0000	.0003
%RSD	470.1	34.71	24.34	795.2	22.54	.4883	23.58
#1	.0000	.0005	-.0011	.0002	.0037	.0033	-.0015
#2	.0000	.0003	-.0016	-.0001	.0027	.0033	-.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4131.1**	**118080.**	**11768.**
Stddev	14.2	1754.	5.
%RSD	.34344	1.4855	.04091
#1	4121.0	119320.	11771.
#2	4141.1	116840.	11764.

Zoom In Zoom Out

Sample Name: MC27359-2 Acquired: 12/27/2013 21:51:55 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.0903**	**.0000**	**-.0034**	**.0356**	**.0441**	**-.0001**	**282.9**	**-.0005**
Stddev	.000	.0082	.0028	.0006	.0001	.0003	.0000	.6	.0000
%RSD	79.67	9.026	11780.	17.86	.2171	.5981	21.72	.2289	3.493
#1	.0000	.0846	-.0020	-.0029	.0355	.0439	-.0001	282.5	-.0005
#2	-.0001	.0961	.0020	-.0038	.0357	.0443	-.0001	283.4	-.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0005**	**.0008**	**.0008**	**.5086**	**1.540**	**122.2**	**.1988**	**.0014**	**105.9**
Stddev	.0001	.0001	.0001	.0041	.004	.0	.0002	.0000	.3
%RSD	22.51	11.85	8.501	.8072	.2553	.0143	.1082	2.476	.3169
#1	-.0004	.0009	.0007	.5057	1.537	122.2	.1986	.0013	105.6
#2	-.0006	.0007	.0008	.5115	1.543	122.2	.1989	.0014	106.1

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0017**	**-.0009**	**-.0111**	**.0004**	**F 253.1**	**.0007**	**.0010**	**7.616**	**-.0004**
Stddev	.0002	.0005	.0004	.0007	.2	.0003	.0010	.008	.0002
%RSD	9.147	57.05	3.633	168.2	.0906	45.46	95.59	.1047	45.06
#1	.0018	-.0005	-.0114	-.0001	253.3	.0009	.0003	7.621	-.0005
#2	.0016	-.0012	-.0108	.0009	252.9	.0004	.0017	7.610	-.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**2.143**	**.0021**	**-.0020**	**-.0002**	**.0026**	**.1105**	**-.0405**
Stddev	.003	.0001	.0002	.0002	.0007	.0000	.0000
%RSD	.1555	5.977	8.465	92.46	25.26	.0446	.0735
#1	2.145	.0022	-.0018	-.0001	.0030	.1104	-.0404
#2	2.141	.0020	-.0021	-.0003	.0021	.1105	-.0405

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3796.5**	**110510.**	**11276.**
Stddev	5.4	223.	73.
%RSD	.14267	.20211	.65030
#1	3792.7	110350.	11327.
#2	3800.3	110660.	11224.

Zoom In Zoom Out

Sample Name: MC27392-1 Acquired: 12/27/2013 21:56:50 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.0781**	**-.0008**	**-.0005**	**.7987**	**.1105**	**.0000**	**69.36**	**.0002**
Stddev	.0001	.0084	.0019	.0001	.0034	.0001	.000	.27	.0001
%RSD	203.0	10.75	239.0	17.34	.4216	.1248	323.1	.3951	48.48
#1	.0000	.0840	-.0021	-.0004	.8010	.1106	.0000	69.17	.0002
#2	.0001	.0721	.0005	-.0005	.7963	.1104	.0000	69.56	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**.0007**	**.0036**	**.0435**	**5.436**	**18.72**	**.0775**	**.0005**	**F 246.4**
Stddev	.0000	.0000	.0002	.0004	.000	.19	.0000	.0002	1.0
%RSD	11.91	3.860	5.695	.8744	.0064	.9889	.0159	51.17	.3927
#1	-.0002	.0006	.0037	.0432	5.436	18.59	.0775	.0003	247.0
#2	-.0002	.0007	.0034	.0438	5.436	18.86	.0775	.0007	245.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0008**	**-.0006**	**-.0026**	**-.0030**	**6.475**	**.0002**	**.0008**	**9.485**	**.0001**
Stddev	.0000	.0003	.0003	.0006	.008	.0002	.0001	.020	.0001
%RSD	5.356	51.46	10.13	19.21	.1171	97.76	15.47	.2131	113.8
#1	.0009	-.0004	-.0028	-.0034	6.481	.0001	.0009	9.499	.0000
#2	.0008	-.0008	-.0024	-.0026	6.470	.0003	.0007	9.470	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.3141**	**.0021**	**-.0014**	**.0004**	**.0018**	**1.960**	**-.0520**
Stddev	.0002	.0002	.0003	.0000	.0008	.002	.0004
%RSD	.0630	8.116	19.82	1.450	48.24	.0825	.7317
#1	.3142	.0022	-.0016	.0004	.0024	1.959	-.0523
#2	.3140	.0020	-.0012	.0004	.0012	1.961	-.0518

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4073.0**	**115590.**	**11768.**
Stddev	17.6	274.	38.
%RSD	.43110	.23723	.32102
#1	4060.6	115390.	11794.
#2	4085.4	115780.	11741.

Zoom In Zoom Out

Sample Name: MC27392-2 Acquired: 12/27/2013 22:01:50 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0001	.0558	.0006	-.0087	.5726	.0799	-.0001	48.00	.0004
Stddev	.0000	.0024	.0003	.0003	.0014	.0004	.0000	.22	.0000
%RSD	12.06	4.309	43.57	3.475	.2379	.5176	73.47	.4640	9.000
#1	.0001	.0575	.0008	-.0085	.5736	.0796	-.0001	47.84	.0004
#2	.0001	.0541	.0004	-.0089	.5717	.0802	.0000	48.16	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0005	.0000	.0010	.0274	1.358	12.26	6.728	-.0002	165.2
Stddev	.0001	.0003	.0001	.0038	.038	.11	.126	.0001	2.4
%RSD	22.88	639.2	7.964	13.74	2.792	.8862	1.867	29.07	1.427
#1	.0006	-.0002	.0009	.0301	1.332	12.18	6.817	-.0003	163.5
#2	.0005	.0002	.0010	.0248	1.385	12.34	6.640	-.0002	166.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0028	.0002	-.0031	.0139	6.606	.0009	.0011	9.517	-.0004
Stddev	.0000	.0005	.0003	.0013	.004	.0006	.0002	.025	.0002
%RSD	1.131	231.0	9.016	9.358	.0525	66.52	18.51	.2604	50.05
#1	.0028	.0006	-.0033	.0149	6.609	.0005	.0010	9.535	-.0005
#2	.0027	-.0001	-.0029	.0130	6.604	.0013	.0012	9.500	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.1529	.0009	-.0013	.0002	.0003	.0087	-.0523
Stddev	.0001	.0003	.0002	.0001	.0014	.0001	.0002
%RSD	.0429	29.47	12.92	51.96	542.0	1.053	.4774
#1	.1528	.0011	-.0014	.0001	.0012	.0087	-.0525
#2	.1529	.0007	-.0012	.0002	-.0007	.0086	-.0521

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4139.1	115170.	11564.
Stddev	10.1	1256.	56.
%RSD	.24481	1.0909	.48745
#1	4131.9	114280.	11604.
#2	4146.2	116060.	11524.

Zoom In Zoom Out

Sample Name: MC27392-3 Acquired: 12/27/2013 22:06:57 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0006	.4910	.0039	-.0100	.2536	.2301	-.0001	66.00	.0011
Stddev	.0000	.0132	.0000	.0004	.0013	.0003	.0000	.09	.0000
%RSD	4.603	2.681	.1760	4.433	.5009	.1288	61.94	.1429	2.104
#1	.0006	.5003	.0039	-.0104	.2545	.2303	-.0001	66.06	.0010
#2	.0007	.4817	.0039	-.0097	.2527	.2299	.0000	65.93	.0011

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0098	.0009	.0041	.7262	3.743	20.19	F 14.52	-.0004	97.84
Stddev	.0001	.0002	.0001	.0067	.017	.04	.05	.0000	.32
%RSD	1.192	20.89	2.508	.9197	.4446	.1749	.3587	.5021	.3237
#1	.0099	.0007	.0040	.7215	3.755	20.17	14.56	-.0004	98.06
#2	.0097	.0010	.0042	.7309	3.731	20.22	14.48	-.0004	97.62

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0083	.0003	-.0070	.0263	13.00	.0008	.0011	10.18	-.0001
Stddev	.0000	.0001	.0004	.0014	.04	.0001	.0006	.03	.0001
%RSD	.1110	26.02	6.413	5.159	.3267	8.803	55.01	.3317	101.0
#1	.0083	.0004	-.0067	.0273	13.03	.0007	.0015	10.21	.0000
#2	.0083	.0003	-.0073	.0254	12.97	.0008	.0006	10.16	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.2721	.0199	-.0008	.0015	.0016	.0243	-.0563
Stddev	.0003	.0005	.0002	.0000	.0003	.0002	.0003
%RSD	.1014	2.629	29.98	2.843	17.44	.9173	.4490
#1	.2719	.0195	-.0006	.0015	.0014	.0244	-.0565
#2	.2723	.0202	-.0010	.0015	.0018	.0241	-.0562

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4047.3	115610.	11618.
Stddev	19.6	136.	10.
%RSD	.48335	.11775	.08290
#1	4033.5	115710.	11612.
#2	4061.1	115520.	11625.

Zoom In Zoom Out

Sample Name: MC27392-5F Acquired: 12/27/2013 22:11:56 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0006	.0816	.0067	-.0133	.8458	.4779	.0000	118.7	.0000
Stddev	.0000	.0156	.0017	.0011	.0008	.0007	.000	.8	.000
%RSD	2.953	19.09	25.10	8.146	.0929	.1468	56.15	.6331	84.01
#1	.0006	.0706	.0079	-.0141	.8463	.4784	-.0001	118.2	-.0001
#2	.0006	.0927	.0055	-.0126	.8452	.4774	.0000	119.2	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0070	.0000	.0006	12.16	5.091	46.48	13.57	.0023	178.1
Stddev	.0001	.000	.0002	.08	.011	.50	.06	.0001	.3
%RSD	1.279	130.6	25.19	.6751	.2245	1.066	.4160	3.698	.1913
#1	.0070	-.0001	.0005	12.10	5.083	46.13	13.61	.0022	178.3
#2	.0069	.0000	.0007	12.22	5.099	46.83	13.53	.0023	177.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0029	-.0007	-.0085	.0286	8.763	.0002	.0018	11.40	-.0001
Stddev	.0000	.0002	.0005	.0057	.029	.0002	.0009	.01	.0000
%RSD	.3689	27.28	5.454	19.98	.3337	110.5	48.54	.0951	8.361
#1	.0029	-.0009	-.0088	.0326	8.742	.0000	.0012	11.39	-.0001
#2	.0029	-.0006	-.0081	.0246	8.783	.0004	.0025	11.41	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4873	.0011	-.0004	.0001	.0069	.0249	-.0625
Stddev	.0006	.0001	.0001	.0003	.0041	.0001	.0004
%RSD	.1153	6.306	33.26	430.5	58.97	.5830	.5647
#1	.4869	.0012	-.0005	-.0001	.0097	.0248	-.0622
#2	.4877	.0011	-.0003	.0003	.0040	.0250	-.0627

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3928.4	112770.	11521.
Stddev	1.7	119.	93.
%RSD	.04448	.10569	.81006
#1	3929.7	112690.	11587.
#2	3927.2	112850.	11455.

Zoom In Zoom Out

Sample Name: MC27392-6 Acquired: 12/27/2013 22:17:01 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0003	.0865	-.0004	-.0023	.8774	.2414	-.0001	100.5	.0000
Stddev	.0001	.0060	.0017	.0002	.0016	.0010	.0000	.6	.000
%RSD	21.99	6.905	450.6	10.19	.1876	.4258	2.393	.6020	149.9
#1	.0003	.0822	.0008	-.0021	.8762	.2421	-.0001	100.0	-.0001
#2	.0004	.0907	-.0016	-.0024	.8786	.2406	-.0001	100.9	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0010	.0002	.0007	2.426	1.076	30.13	1.402	.0028	114.9
Stddev	.0000	.0000	.0003	.012	.022	.12	.002	.0001	.1
%RSD	.6470	11.29	43.18	.4830	2.048	.3841	.1731	2.828	.0465
#1	.0010	.0002	.0009	2.417	1.061	30.05	1.404	.0029	114.9
#2	.0010	.0002	.0005	2.434	1.092	30.21	1.400	.0028	114.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0040	-.0004	-.0035	.0014	5.731	.0006	.0000	11.48	.0000
Stddev	.0001	.0003	.0010	.0030	.017	.0000	.0002	.04	.000
%RSD	2.494	67.63	27.77	210.9	.2949	6.894	597.9	.3130	691.9
#1	.0040	-.0002	-.0028	-.0007	5.719	.0005	.0002	11.46	.0001
#2	.0039	-.0006	-.0042	.0035	5.743	.0006	-.0001	11.51	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.5251	.0009	-.0020	.0000	.0017	.0096	-.0633
Stddev	.0006	.0000	.0006	.001	.0056	.0000	.0002
%RSD	.1163	4.469	29.45	18010.	333.7	.4201	.2379
#1	.5255	.0009	-.0016	.0004	-.0023	.0096	-.0632
#2	.5247	.0009	-.0024	-.0004	.0057	.0096	-.0634

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3982.0	114390.	11527.
Stddev	5.1	578.	78.
%RSD	.12709	.50504	.67522
#1	3985.6	113980.	11582.
#2	3978.5	114800.	11472.

Zoom In Zoom Out

Sample Name: MC27392-6F Acquired: 12/27/2013 22:21:56 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0000	.0802	-.0008	-.0027	.8808	.2443	.0000	99.53	.0000
Stddev	.0001	.0023	.0014	.0003	.0008	.0003	.000	.01	.0001
%RSD	228.9	2.817	176.8	11.62	.0930	.1320	210.5	.0131	1671.
#1	.0001	.0818	.0002	-.0029	.8813	.2445	-.0001	99.53	.0000
#2	.0000	.0786	-.0018	-.0025	.8802	.2440	.0000	99.52	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0013	.0004	.0015	2.044	1.083	29.64	1.361	.0026	115.0
Stddev	.0001	.0000	.0002	.018	.011	.07	.004	.0001	.3
%RSD	5.267	4.333	14.07	.9043	1.037	.2413	.2549	3.625	.2994
#1	.0013	.0004	.0013	2.031	1.091	29.59	1.359	.0025	115.3
#2	.0012	.0004	.0016	2.057	1.075	29.69	1.363	.0026	114.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0075	-.0010	-.0035	.0046	5.834	.0001	.0009	11.68	-.0001
Stddev	.0000	.0006	.0001	.0019	.001	.0003	.0004	.02	.0001
%RSD	.3052	57.49	1.988	40.70	.0108	357.3	42.91	.1430	63.15
#1	.0075	-.0014	-.0036	.0059	5.833	.0003	.0011	11.69	-.0001
#2	.0075	-.0006	-.0035	.0033	5.834	-.0001	.0006	11.66	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.5256	.0010	-.0016	-.0002	.0046	.0136	-.0647
Stddev	.0029	.0000	.0002	.0002	.0003	.0001	.0000
%RSD	.5583	3.948	12.71	111.0	6.126	.7845	.0709
#1	.5277	.0009	-.0017	.0000	.0044	.0136	-.0647
#2	.5236	.0010	-.0014	-.0003	.0048	.0135	-.0648

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3973.2	114740.	11712.
Stddev	6.7	463.	27.
%RSD	.16787	.40342	.22734
#1	3968.5	115070.	11731.
#2	3977.9	114410.	11693.

Zoom In Zoom Out

Sample Name: MC27399-1 Acquired: 12/27/2013 22:26:50 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0000	16.76	.0148	-.0017	.2440	.0835	-.0001	30.31	.0000
Stddev	.0001	.03	.0001	.0006	.0002	.0000	.0000	.12	.000
%RSD	991.3	.1853	.5020	37.13	.0894	.0572	12.12	.3908	653.1
#1	.0001	16.74	.0149	-.0022	.2441	.0835	-.0001	30.39	.0000
#2	-.0001	16.79	.0148	-.0013	.2438	.0835	.0000	30.22	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0007	.0162	.0149	1.390	178.5	.1024	.0069	.0535	F 499.2
Stddev	.0000	.0002	.0000	.002	.9	.0195	.0000	.0001	12.2
%RSD	4.832	1.269	.1328	.1285	.4998	19.05	.6296	.1734	2.453
#1	.0007	.0163	.0149	1.389	179.1	.0886	.0069	.0534	507.9
#2	.0007	.0160	.0148	1.392	177.8	.1162	.0068	.0535	490.5

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0037	.0010	-.0001	-.0003	F 28.75	.0027	.0060	17.29	.0043
Stddev	.0001	.0001	.0004	.0013	.00	.0001	.0003	.02	.0003
%RSD	2.811	15.73	884.8	500.0	.0009	5.358	4.838	.1347	7.138
#1	.0038	.0008	.0003	-.0012	28.75	.0026	.0062	17.30	.0041
#2	.0036	.0011	-.0004	.0006	28.75	.0028	.0058	17.27	.0046

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	2.703	.0117	-.0016	.0343	.0294	.0074	-.0946
Stddev	.020	.0037	.0002	.0003	.0005	.0000	.0003
%RSD	.7209	31.29	10.43	1.008	1.598	.2686	.2742
#1	2.689	.0091	-.0017	.0341	.0291	.0074	-.0948
#2	2.717	.0143	-.0015	.0345	.0298	.0075	-.0944

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	3996.3	112470.	11811.
Stddev	15.9	70.	131.
%RSD	.39729	.06238	1.1093
#1	3985.1	112520.	11718.
#2	4007.5	112420.	11903.

Zoom In Zoom Out

Sample Name: MC27407-1 Acquired: 12/27/2013 22:31:51 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0001	.2578	.0030	-.0012	.1245	.0718	-.0001	33.76	.0000
Stddev	.0000	.0069	.0009	.0012	.0003	.0003	.0000	.12	.000
%RSD	1.848	2.686	29.97	101.8	.2258	.3799	11.39	.3650	249.0
#1	-.0001	.2627	.0024	-.0003	.1243	.0720	-.0001	33.68	.0000
#2	-.0001	.2529	.0037	-.0020	.1247	.0716	-.0001	33.85	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	.0007	.0016	.4425	3.027	7.444	.0726	.0089	11.28
Stddev	.0000	.0003	.0002	.0060	.022	.024	.0002	.0000	.04
%RSD	13.32	37.91	9.861	1.352	.7378	.3256	.2934	.1732	.3627
#1	.0002	.0009	.0017	.4467	3.043	7.426	.0727	.0089	11.31
#2	.0002	.0005	.0015	.4382	3.011	7.461	.0724	.0089	11.25

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0025	.0007	-.0011	.0018	6.296	.0007	.0005	4.686	-.0002
Stddev	.0001	.0001	.0004	.0023	.018	.0001	.0001	.009	.0000
%RSD	3.717	14.75	35.80	129.0	.2843	18.33	10.65	.1824	6.874
#1	.0024	.0006	-.0008	.0035	6.283	.0008	.0006	4.680	-.0002
#2	.0025	.0007	-.0014	.0002	6.309	.0006	.0005	4.692	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.2802	.0075	-.0019	.0020	.0007	.0147	-.0266
Stddev	.0013	.0010	.0001	.0001	.0022	.0000	.0002
%RSD	.4490	13.03	6.448	5.318	325.7	.1306	.6024
#1	.2811	.0082	-.0018	.0020	-.0009	.0147	-.0265
#2	.2793	.0068	-.0020	.0019	.0022	.0148	-.0267

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4187.8	119670.	12110.
Stddev	3.1	252.	21.
%RSD	.07398	.21063	.17209
#1	4190.0	119490.	12124.
#2	4185.6	119850.	12095.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/27/2013 22:36:45 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2482	10.11	1.987	-.0048	2.030	1.993	1.992	10.06	2.010
Stddev	.0050	.89	.029	.0000	.030	.161	.173	.88	.028
%RSD	2.009	8.809	1.437	.2031	1.503	8.092	8.688	8.725	1.403
#1	.2446	10.74	1.967	-.0048	2.009	2.107	2.114	10.68	1.990
#2	.2517	9.483	2.007	-.0048	2.052	1.879	1.870	9.439	2.030

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	2.120	1.946	1.964	10.24	9.997	9.922	1.985	2.036	10.27
Stddev	.031	.036	.028	.89	.864	.901	.028	.036	.84
%RSD	1.462	1.859	1.406	8.709	8.643	9.081	1.387	1.760	8.150
#1	2.098	1.920	1.945	10.87	10.61	10.56	1.965	2.011	10.86
#2	2.142	1.971	1.984	9.610	9.387	9.285	2.004	2.062	9.681

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	1.991	1.980	.0008	.0014	-.0076	2.049	2.050	-.0479	2.035
Stddev	.029	.028	.0002	.0054	.0010	.028	.027	.0007	.028
%RSD	1.456	1.436	21.13	380.0	13.70	1.381	1.318	1.488	1.384
#1	1.971	1.960	.0007	.0052	-.0069	2.029	2.031	-.0474	2.015
#2	2.012	2.000	.0009	-.0024	-.0084	2.069	2.069	-.0484	2.055

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	2.087	1.992	1.991	1.985	-.0101	1.964	-.0055
Stddev	.177	.032	.029	.030	.0008	.026	.0001
%RSD	8.506	1.590	1.436	1.521	8.159	1.344	2.318
#1	2.213	1.970	1.971	1.963	-.0107	1.945	-.0054
#2	1.961	2.015	2.011	2.006	-.0095	1.983	-.0056

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	4253.7	122530.	11964.
Stddev	47.8	1447.	884.
%RSD	1.1233	1.1806	7.3915
#1	4287.4	123550.	11339.
#2	4219.9	121510.	12589.

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/27/2013 22:41:30 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0005**	**.0034**	**-.0004**	**-.0002**	**.0008**	**.0000**	**.0000**	**.0004**	**.0001**
Stddev	.0003	.0065	.0004	.0004	.0003	.000	.0000	.0001	.0000
%RSD	51.67	189.9	93.85	188.6	38.71	8049.	24.36	22.09	30.77
#1	-.0007	-.0012	-.0007	-.0005	.0010	.0000	.0001	.0004	.0000
#2	-.0003	.0080	-.0001	.0001	.0005	.0000	.0000	.0003	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0001**	**.0001**	**.0020**	**-.1617**	**-.0067**	**.0001**	**.0028**	**.2635**
Stddev	.0000	.0000	.0000	.0010	.0535	.0144	.0000	.0008	.0213
%RSD	65.10	40.72	50.54	48.18	33.06	213.8	10.66	29.10	8.070
#1	.0001	.0001	.0001	.0013	-.1239	-.0169	.0001	.0034	.2786
#2	.0000	.0001	.0000	.0027	-.1995	.0034	.0001	.0023	.2485

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0001**	**-.0004**	**.0006**	**-.0009**	**.0025**	**.0004**	**.0003**	**.0002**	**.0002**
Stddev	.0001	.0002	.0001	.0016	.0001	.0005	.0004	.0001	.0000
%RSD	97.20	44.43	15.09	164.9	4.726	143.9	126.5	42.62	10.89
#1	.0000	-.0005	.0006	-.0020	.0026	.0007	.0000	.0003	.0002
#2	.0001	-.0003	.0007	.0002	.0024	.0000	.0006	.0001	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0004**	**.0006**	**.0001**	**-.0002**	**.0000**	**-.0004**
Stddev	.0000	.0002	.0006	.0001	.0018	.000	.0001
%RSD	212.5	49.55	91.49	64.62	827.0	149.5	34.53
#1	.0000	.0006	.0010	.0002	.0010	-.0001	-.0003
#2	.0001	.0003	.0002	.0001	-.0015	.0000	-.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4266.5**	**120140.**	**11921.**
Stddev	10.9	279.	26.
%RSD	.25448	.23235	.21984
#1	4274.2	119940.	11940.
#2	4258.8	120340.	11903.

Zoom In Zoom Out

Sample Name: MC27412-2 Acquired: 12/27/2013 22:46:30 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.1271**	**.0024**	**-.0072**	**.0076**	**.0984**	**-.0001**	**86.67**	**-.0002**
Stddev	.0002	.0088	.0007	.0009	.0001	.0005	.0000	.77	.0000
%RSD	116.1	6.909	30.04	13.07	.6609	.4721	20.48	.8850	3.996
#1	-.0003	.1209	.0029	-.0079	.0077	.0980	-.0001	87.22	-.0002
#2	.0000	.1333	.0019	-.0065	.0076	.0987	-.0001	86.13	-.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0004**	**.0003**	**-.0001**	**39.13**	**1.945**	**12.06**	**3.708**	**.0003**	**10.41**
Stddev	.0000	.0001	.0002	.40	.017	.12	.020	.0001	.02
%RSD	11.70	31.66	367.8	1.016	.8484	.9572	.5310	29.44	.1737
#1	-.0004	.0002	.0001	39.41	1.934	12.14	3.694	.0003	10.42
#2	-.0003	.0004	-.0002	38.85	1.957	11.98	3.722	.0002	10.40

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0004**	**-.0011**	**-.0018**	**.0098**	**3.613**	**.0004**	**.0017**	**8.524**	**-.0001**
Stddev	.0000	.0005	.0001	.0021	.036	.0007	.0009	.076	.0000
%RSD	1.890	43.57	7.298	21.67	.9930	183.9	51.83	.8872	96.56
#1	-.0004	-.0015	-.0017	.0113	3.587	-.0001	.0011	8.471	.0000
#2	-.0004	-.0008	-.0019	.0083	3.638	.0008	.0023	8.578	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.2131**	**.0033**	**-.0020**	**.0007**	**.0089**	**.0078**	**-.0463**
Stddev	.0005	.0000	.0001	.0002	.0032	.0000	.0001
%RSD	.2218	1.381	5.279	27.80	36.55	.3220	.2995
#1	.2128	.0033	-.0020	.0008	.0066	.0078	-.0462
#2	.2134	.0032	-.0019	.0006	.0112	.0078	-.0464

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4117.6**	**113600.**	**11821.**
Stddev	28.5	678.	147.
%RSD	.69157	.59658	1.2425
#1	4137.7	114080.	11717.
#2	4097.4	113120.	11925.

Zoom In Zoom Out

Sample Name: MC27412-4 Acquired: 12/27/2013 22:51:25 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0004**	**.1117**	**-.0013**	**.0007**	**.0196**	**.0127**	**-.0001**	**39.21**	**-.0001**
Stddev	.0003	.0062	.0013	.0004	.0001	.0000	.0000	.15	.0000
%RSD	63.17	5.547	96.22	62.55	.6403	.2954	39.92	.3710	8.526
#1	-.0002	.1073	-.0004	.0010	.0196	.0127	-.0001	39.10	-.0001
#2	-.0006	.1161	-.0023	.0004	.0195	.0127	-.0001	39.31	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**.0006**	**.0004**	**1.704**	**1.039**	**3.562**	**.0131**	**.0009**	**7.462**
Stddev	.0001	.0000	.0000	.014	.020	.021	.0000	.0000	.001
%RSD	44.17	8.016	7.390	.8243	1.968	.5888	.0867	1.173	.0077
#1	-.0001	.0006	.0004	1.714	1.053	3.577	.0131	.0009	7.462
#2	-.0003	.0006	.0004	1.694	1.024	3.547	.0131	.0009	7.462

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0002**	**-.0004**	**-.0014**	**.0003**	**5.765**	**.0007**	**.0008**	**7.671**	**-.0002**
Stddev	.0001	.0002	.0001	.0023	.042	.0000	.0001	.062	.0000
%RSD	55.25	58.34	4.898	683.9	.7218	.5971	17.37	.8090	5.621
#1	-.0001	-.0005	-.0014	-.0013	5.795	.0007	.0009	7.715	-.0002
#2	-.0003	-.0002	-.0015	.0020	5.736	.0007	.0007	7.627	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0364**	**.0038**	**-.0022**	**.0002**	**.0010**	**.0073**	**-.0437**
Stddev	.0000	.0000	.0003	.0006	.0004	.0001	.0000
%RSD	.0559	.3393	11.88	231.5	42.75	1.672	.0743
#1	.0365	.0038	-.0020	.0006	.0007	.0074	-.0437
#2	.0364	.0038	-.0024	-.0002	.0014	.0073	-.0437

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4165.5**	**119690.**	**11945.**
Stddev	31.4	78.	44.
%RSD	.75462	.06480	.36931
#1	4143.3	119630.	11976.
#2	4187.8	119740.	11914.

Zoom In Zoom Out

Sample Name: MC27412-6 Acquired: 12/27/2013 22:56:22 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0003**	**.0893**	**-.0004**	**-.0005**	**.0231**	**1.587**	**-.0001**	**218.9**	**-.0004**
Stddev	.0003	.0029	.0007	.0009	.0000	.003	.0000	1.1	.0000
%RSD	95.45	3.203	153.5	164.8	.1087	.2020	72.37	.5216	2.162
#1	-.0001	.0873	-.0009	-.0011	.0230	1.589	-.0001	219.7	-.0004
#2	-.0004	.0913	.0000	.0001	.0231	1.585	.0000	218.1	-.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0005**	**.0006**	**.0004**	**.0109**	**6.946**	**29.34**	**.0020**	**.0000**	F **510.4**
Stddev	.0000	.0000	.0001	.0031	.051	.55	.0000	.0000	5.7
%RSD	1.903	6.067	17.04	28.50	.7274	1.858	.8920	6.883	1.111
#1	-.0005	.0006	.0005	.0087	6.982	29.73	.0020	.0000	514.4
#2	-.0005	.0005	.0004	.0131	6.910	28.96	.0020	.0000	506.4

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0002**	**-.0010**	**-.0085**	**-.0027**	**3.878**	**.0001**	**.0020**	**8.569**	**-.0001**
Stddev	.0000	.0000	.0012	.0001	.007	.0013	.0001	.002	.0003
%RSD	16.50	3.313	14.25	4.222	.1922	986.0	5.866	.0240	213.5
#1	-.0001	-.0011	-.0093	-.0027	3.873	.0010	.0020	8.568	-.0003
#2	-.0002	-.0010	-.0076	-.0026	3.883	-.0008	.0021	8.571	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4650**	**.0014**	**-.0016**	**-.0001**	**-.0014**	**.0068**	**-.0457**
Stddev	.0023	.0001	.0002	.0001	.0016	.0001	.0002
%RSD	.4994	4.804	10.30	158.3	112.1	1.081	.3873
#1	.4666	.0015	-.0015	.0000	-.0003	.0067	-.0458
#2	.4634	.0014	-.0017	-.0002	-.0025	.0068	-.0455

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3793.0**	**108450.**	**11492.**
Stddev	1.8	46.	88.
%RSD	.04725	.04239	.76616
#1	3794.3	108410.	11430.
#2	3791.7	108480.	11555.

Zoom In Zoom Out

Sample Name: MC27412-8 Acquired: 12/27/2013 23:01:23 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.0148**	**-.0003**	**.0007**	**.0413**	**.0382**	**-.0001**	**4.481**	**.0000**
Stddev	.0003	.0036	.0004	.0003	.0000	.0002	.0000	.024	.0001
%RSD	158.9	24.50	122.5	36.04	.1030	.6099	41.15	.5270	326.0
#1	.0000	.0174	-.0006	.0009	.0413	.0383	-.0001	4.464	.0001
#2	-.0004	.0122	.0000	.0005	.0413	.0380	-.0001	4.497	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0002**	**.0010**	**.0018**	**.0012**	**.8113**	**.5734**	**.0001**	**.0012**	**137.0**
Stddev	.0001	.0000	.0002	.0002	.0409	.0217	.0000	.0001	.2
%RSD	25.55	3.521	10.60	18.65	5.037	3.782	27.49	7.037	.1688
#1	-.0003	.0010	.0019	.0013	.8402	.5888	.0001	.0013	136.9
#2	-.0002	.0010	.0017	.0010	.7824	.5581	.0001	.0011	137.2

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0001**	**-.0004**	**-.0004**	**.0000**	**2.563**	**.0005**	**.0014**	**4.627**	**.0001**
Stddev	.0002	.0001	.0006	.001	.003	.0001	.0019	.001	.0001
%RSD	135.7	26.63	146.3	16970.	.1159	24.58	135.8	.0205	85.27
#1	.0000	-.0004	.0000	-.0005	2.565	.0005	.0027	4.627	.0001
#2	-.0003	-.0003	-.0009	.0005	2.560	.0006	.0001	4.626	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0148**	**.0003**	**-.0021**	**.0000**	**.0019**	**.0070**	**-.0264**
Stddev	.0001	.0001	.0000	.0003	.0017	.0001	.0001
%RSD	.3877	32.62	2.254	1298.	87.08	1.814	.5582
#1	.0148	.0004	-.0020	.0002	.0007	.0069	-.0263
#2	.0147	.0002	-.0021	-.0002	.0031	.0071	-.0265

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4056.3**	**116310.**	**11683.**
Stddev	7.8	1463.	96.
%RSD	.19336	1.2576	.82054
#1	4050.8	115270.	11751.
#2	4061.8	117340.	11615.

Zoom In Zoom Out

Sample Name: MC27416-3F Acquired: 12/27/2013 23:06:20 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.0229**	**-.0008**	**-.0001**	**.0178**	**.0104**	**-.0001**	**11.23**	**.0000**
Stddev	.0005	.0087	.0012	.0003	.0000	.0001	.0000	.04	.0000
%RSD	226.8	38.11	148.5	346.9	.2695	.7680	32.65	.3229	113.7
#1	-.0006	.0167	-.0016	-.0003	.0177	.0105	-.0001	11.21	.0000
#2	.0001	.0291	.0000	.0001	.0178	.0104	-.0001	11.26	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0003**	**.0002**	**.0001**	**-.0015**	**3.061**	**.9874**	**.0026**	**-.0002**	**52.01**
Stddev	.0001	.0001	.0001	.0019	.011	.0075	.0000	.0000	.17
%RSD	25.63	44.41	107.3	125.9	.3559	.7554	1.121	2.822	.3358
#1	-.0002	.0001	.0001	-.0002	3.053	.9927	.0027	-.0002	51.88
#2	-.0003	.0002	.0000	-.0029	3.069	.9821	.0026	-.0002	52.13

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0001**	**.0000**	**.0004**	**.0002**	**9.647**	**.0010**	**.0005**	**5.685**	**-.0001**
Stddev	.0000	.0004	.0001	.0005	.055	.0000	.0002	.029	.0000
%RSD	24.00	2058.	13.19	225.6	.5669	4.455	42.94	.5085	75.27
#1	-.0001	.0003	.0004	.0006	9.686	.0010	.0004	5.705	.0000
#2	-.0002	-.0002	.0004	-.0001	9.609	.0011	.0007	5.664	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0998**	**.0004**	**-.0018**	**.0003**	**-.0001**	**.0113**	**-.0323**
Stddev	.0001	.0000	.0000	.0002	.0024	.0001	.0001
%RSD	.1188	4.215	1.721	74.16	1757.	.9148	.3369
#1	.0999	.0004	-.0018	.0001	.0016	.0112	-.0323
#2	.0997	.0004	-.0018	.0005	-.0018	.0113	-.0324

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4104.5**	**116650.**	**11800.**
Stddev	13.1	487.	73.
%RSD	.31820	.41744	.61741
#1	4095.3	116300.	11852.
#2	4113.7	116990.	11749.

Zoom In Zoom Out

Sample Name: MC27416-5F Acquired: 12/27/2013 23:11:16 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**.1771**	**.0055**	**.0013**	**.0063**	**.1042**	**-.0001**	F **607.6**	**-.0017**
Stddev	.0001	.0042	.0004	.0003	.0002	.0007	.0000	2.7	.0001
%RSD	44.45	2.366	6.735	20.40	3.463	.6888	3.750	.4430	4.455
#1	-.0003	.1742	.0052	.0011	.0062	.1037	-.0001	605.7	-.0016
#2	-.0002	.1801	.0057	.0015	.0065	.1047	-.0001	609.5	-.0017

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0006**	**.0170**	**.0029**	**-.0002**	**14.40**	**-.0054**	**.0009**	**.0109**	**87.30**
Stddev	.0000	.0001	.0001	.0005	.00	.0118	.0001	.0001	.38
%RSD	2.464	.3775	3.323	246.1	.0050	220.4	7.314	.8004	.4408
#1	-.0006	.0171	.0029	.0002	14.40	.0030	.0008	.0109	87.02
#2	-.0006	.0170	.0030	-.0006	14.40	-.0137	.0009	.0110	87.57

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0003**	**-.0012**	**-.0212**	**.0001**	**1.135**	**.0000**	**.0028**	**.3624**	**.0001**
Stddev	.0001	.0001	.0014	.0006	.010	.000	.0003	.0023	.0000
%RSD	19.32	10.85	6.572	627.0	.9184	993.8	11.90	.6306	23.90
#1	.0002	-.0011	-.0222	-.0003	1.128	.0002	.0031	.3608	.0001
#2	.0003	-.0013	-.0202	.0005	1.143	-.0003	.0026	.3640	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.4989**	**.0026**	**-.0009**	**.0000**	**-.0026**	**.0078**	**.0005**
Stddev	.0026	.0000	.0007	.0000	.0025	.0000	.0001
%RSD	.5283	.1574	79.32	20.86	95.18	.4693	21.33
#1	.4971	.0026	-.0004	.0000	-.0009	.0078	.0004
#2	.5008	.0026	-.0013	.0000	-.0044	.0079	.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3781.8**	**110510.**	**11455.**
Stddev	13.9	57.	13.
%RSD	.36759	.05187	.11440
#1	3791.6	110470.	11465.
#2	3771.9	110550.	11446.

Zoom In Zoom Out

Sample Name: MC27416-8F Acquired: 12/27/2013 23:16:18 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0001**	**.0598**	**.1089**	**-.0038**	**.0349**	**.0126**	**.0000**	**51.84**	**-.0002**
Stddev	.0006	.0095	.0001	.0004	.0001	.0001	.000	.04	.0000
%RSD	781.4	15.82	.0869	9.649	.2743	1.136	25.76	.0793	14.36
#1	-.0003	.0531	.1089	-.0036	.0350	.0125	.0000	51.87	-.0002
#2	.0005	.0664	.1090	-.0041	.0348	.0127	.0000	51.81	-.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0001**	**.0001**	**-.0001**	**.4638**	**3.804**	**2.520**	**2.781**	**.0063**	**67.79**
Stddev	.0000	.0000	.0001	.0059	.001	.036	.006	.0001	.12
%RSD	19.48	14.92	138.1	1.275	.0211	1.434	.2332	1.271	.1711
#1	.0001	.0002	.0000	.4596	3.803	2.546	2.786	.0063	67.88
#2	.0001	.0001	-.0001	.4680	3.804	2.495	2.777	.0062	67.71

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0002**	**.0004**	**-.0017**	**.0083**	**3.433**	**.0034**	**.0002**	**7.435**	**-.0001**
Stddev	.0001	.0000	.0001	.0014	.001	.0003	.0010	.006	.0002
%RSD	43.18	12.80	6.200	17.41	.0264	9.854	524.3	.0871	170.0
#1	.0003	.0004	-.0017	.0093	3.432	.0037	.0009	7.439	.0000
#2	.0002	.0003	-.0016	.0073	3.433	.0032	-.0005	7.430	-.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1720**	**.0005**	**-.0019**	**.0012**	**.0001**	**.0072**	**-.0415**
Stddev	.0005	.0001	.0001	.0002	.0005	.0000	.0001
%RSD	.2878	20.59	3.796	13.59	749.0	.3428	.1440
#1	.1723	.0004	-.0019	.0013	-.0003	.0072	-.0415
#2	.1716	.0005	-.0020	.0011	.0004	.0072	-.0414

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4059.2**	**115870.**	**11723.**
Stddev	9.3	260.	4.
%RSD	.22954	.22470	.03499
#1	4052.6	115690.	11725.
#2	4065.7	116060.	11720.

Zoom In Zoom Out

Sample Name: RINSECONF Acquired: 12/27/2013 23:21:14 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0000**	**.0073**	**-.0006**	**.0005**	**-.0004**	**-.0002**	**-.0001**	**.0075**	**-.0001**
Stddev	.000	.0048	.0024	.0003	.0000	.0000	.0000	.0031	.0000
%RSD	170.0	66.30	415.6	47.28	4.876	1.098	.3149	41.16	37.85
#1	.0000	.0107	-.0023	.0004	-.0004	-.0002	-.0001	.0053	-.0001
#2	-.0001	.0039	.0011	.0007	-.0004	-.0002	-.0001	.0097	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**-.0002**	**-.0001**	**-.0007**	**-.3169**	**.0136**	**.0001**	**-.0004**	**.2747**
Stddev	.0001	.0001	.0002	.0038	.0314	.0153	.0000	.0001	.0057
%RSD	69.40	37.87	115.0	565.4	9.922	112.5	10.48	20.18	2.089
#1	-.0001	-.0002	.0000	.0020	-.3391	.0028	.0001	-.0003	.2706
#2	-.0002	-.0001	-.0002	-.0033	-.2946	.0245	.0001	-.0004	.2787

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0001**	**-.0001**	**-.0002**	**.0000**	**.0018**	**-.0001**	**.0002**	**-.0021**	**-.0002**
Stddev	.0001	.0000	.0007	.001	.0018	.0001	.0002	.0002	.0000
%RSD	175.3	27.91	379.8	1991.	96.16	94.86	146.9	7.963	11.20
#1	.0000	-.0001	-.0007	-.0007	.0006	-.0002	.0000	-.0023	-.0002
#2	-.0002	-.0001	.0003	.0006	.0031	.0000	.0003	-.0020	-.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0001**	**-.0002**	**-.0007**	**.0002**	**-.0020**	**-.0002**	**-.0004**
Stddev	.0000	.0003	.0002	.0003	.0011	.0001	.0002
%RSD	32.68	159.1	32.03	172.1	54.18	30.69	54.65
#1	.0000	-.0004	-.0006	.0000	-.0012	-.0001	-.0002
#2	-.0001	.0000	-.0009	.0004	-.0028	-.0002	-.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4175.5**	**118350.**	**11843.**
Stddev	5.1	93.	81.
%RSD	.12273	.07829	.68408
#1	4171.9	118290.	11785.
#2	4179.1	118420.	11900.

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/27/2013 23:26:13 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0048**	**.2175**	**.0037**	**.0004**	**.1028**	**.0503**	**.0041**	**5.059**	**.0040**
Stddev	.0001	.0071	.0003	.0002	.0004	.0004	.0000	.007	.0000
%RSD	1.936	3.241	9.384	57.96	.3793	.7795	.3422	.1367	.2929
#1	.0049	.2126	.0039	.0006	.1031	.0500	.0041	5.054	.0040
#2	.0047	.2225	.0035	.0002	.1025	.0506	.0041	5.063	.0040

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0551**	**.0099**	**.0247**	**.1051**	**4.797**	**5.002**	**.0155**	**.1059**	**5.347**
Stddev	.0004	.0001	.0001	.0005	.052	.009	.0000	.0003	.004
%RSD	.7156	1.489	.2043	.5118	1.077	.1693	.1686	.2903	.0675
#1	.0554	.0100	.0247	.1047	4.760	4.996	.0155	.1061	5.344
#2	.0548	.0098	.0247	.1055	4.833	5.008	.0155	.1057	5.349

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0413**	**.0054**	**.0007**	**-.0019**	**.0015**	**.0070**	**.0111**	**.0006**	**.1021**
Stddev	.0000	.0005	.0004	.0003	.0010	.0004	.0001	.0002	.0010
%RSD	.1170	10.02	62.56	16.64	66.51	5.736	.9134	39.51	.9589
#1	.0414	.0050	.0010	-.0022	.0023	.0068	.0110	.0004	.1028
#2	.0413	.0058	.0004	-.0017	.0008	.0073	.0111	.0008	.1014

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0104**	**.0521**	**.0037**	**.0104**	**-.0002**	**.0205**	**-.0008**
Stddev	.0000	.0003	.0005	.0001	.0020	.0001	.0001
%RSD	.3209	.6505	13.49	1.041	823.0	.2996	15.37
#1	.0105	.0519	.0034	.0105	.0012	.0205	-.0007
#2	.0104	.0524	.0041	.0103	-.0017	.0204	-.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4249.1**	**119560.**	**11724.**
Stddev	20.7	172.	68.
%RSD	.48810	.14397	.58087
#1	4234.5	119440.	11772.
#2	4263.8	119680.	11676.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 12/27/2013 23:31:06 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0046**	**.2171**	**.0104**	**.0005**	**.1034**	**.0491**	**.0040**	**5.005**	**.0041**
Stddev	.0002	.0000	.0014	.0001	.0012	.0002	.0000	.015	.0001
%RSD	4.399	.0222	13.19	25.24	1.141	.4494	.8819	.2890	2.032
#1	.0044	.2170	.0114	.0006	.1026	.0489	.0040	5.016	.0041
#2	.0047	.2171	.0095	.0004	.1042	.0493	.0040	4.995	.0042

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0554**	**.0101**	**.0240**	**.1037**	**4.756**	**4.910**	**.0153**	**.1064**	**5.273**
Stddev	.0004	.0002	.0000	.0019	.018	.014	.0001	.0012	.007
%RSD	.6957	2.157	.2006	1.810	.3782	.2835	.3328	1.156	.1304
#1	.0551	.0100	.0240	.1024	4.769	4.920	.0154	.1055	5.268
#2	.0556	.0103	.0240	.1051	4.743	4.901	.0153	.1073	5.278

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0415**	**.0103**	**.0000**	**.0016**	**.0006**	**.0119**	**.0106**	**.0039**	**.1024**
Stddev	.0005	.0002	.0005	.0018	.0009	.0001	.0006	.0002	.0010
%RSD	1.138	2.277	4417.	108.8	152.7	.7866	5.686	5.399	.9950
#1	.0412	.0105	-.0004	.0004	.0013	.0118	.0110	.0040	.1017
#2	.0419	.0102	.0004	.0029	.0000	.0119	.0102	.0037	.1031

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0102**	**.0510**	**.0092**	**.0098**	**-.0004**	**.0206**	**-.0009**
Stddev	.0001	.0001	.0001	.0005	.0015	.0002	.0003
%RSD	.5397	.1722	1.207	4.754	411.5	1.045	36.56
#1	.0102	.0509	.0091	.0101	-.0014	.0204	-.0007
#2	.0101	.0510	.0093	.0095	.0007	.0207	-.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4202.3**	**120660.**	**11921.**
Stddev	34.8	259.	76.
%RSD	.82744	.21428	.63721
#1	4226.9	120480.	11867.
#2	4177.8	120840.	11975.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/27/2013 23:36:00 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2552**	**10.15**	**1.944**	**-.0053**	**2.037**	**2.026**	**1.998**	**10.16**	**2.003**
Stddev	.0002	.15	.010	.0002	.003	.021	.032	.14	.001
%RSD	.0789	1.485	.5214	3.730	.1245	1.055	1.617	1.387	.0636
#1	.2551	10.04	1.937	-.0055	2.039	2.011	1.975	10.06	2.004
#2	.2554	10.25	1.951	-.0052	2.035	2.041	2.021	10.25	2.002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.153**	**2.005**	**1.993**	**10.29**	**9.914**	**10.02**	**2.034**	**2.066**	**10.41**
Stddev	.003	.005	.011	.19	.030	.12	.004	.003	.10
%RSD	.1272	.2296	.5305	1.890	.3013	1.172	.2230	.1397	.9178
#1	2.155	2.008	1.985	10.15	9.893	9.936	2.037	2.064	10.34
#2	2.151	2.001	2.000	10.43	9.935	10.10	2.031	2.068	10.48

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**1.999**	**1.997**	**.0019**	**.0023**	**-.0101**	**2.063**	**2.075**	**-.0520**	**2.061**
Stddev	.001	.002	.0004	.0027	.0001	.005	.003	.0002	.003
%RSD	.0518	.1066	21.66	119.1	1.102	.2417	.1348	.3375	.1235
#1	1.999	1.998	.0016	.0042	-.0102	2.067	2.076	-.0519	2.063
#2	1.998	1.995	.0022	.0004	-.0100	2.060	2.073	-.0521	2.059

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**2.096**	**2.046**	**1.997**	**2.040**	**-.0074**	**1.968**	**-.0075**
Stddev	.029	.004	.002	.008	.0006	.001	.0002
%RSD	1.358	.1941	.0993	.4034	8.361	.0345	2.939
#1	2.076	2.049	1.996	2.046	-.0079	1.969	-.0074
#2	2.116	2.043	1.998	2.034	-.0070	1.968	-.0077

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4196.5**	**119300.**	**11812.**
Stddev	5.8	251.	86.
%RSD	.13856	.21080	.73189
#1	4192.3	119120.	11873.
#2	4200.6	119480.	11751.

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/27/2013 23:40:46 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0005**	**-.0016**	**-.0009**	**.0009**	**.0008**	**.0001**	**.0000**	**.0031**	**.0002**
Stddev	.0000	.0031	.0009	.0004	.0003	.0001	.0001	.0017	.0000
%RSD	6.598	201.7	97.87	47.73	32.80	56.04	501.1	52.95	13.70
#1	-.0006	-.0038	-.0003	.0006	.0009	.0002	.0001	.0043	.0002
#2	-.0005	.0007	-.0015	.0012	.0006	.0001	-.0001	.0020	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0002**	**.0000**	**.0003**	**-.3928**	**.0050**	**.0001**	**.0030**	**.1451**
Stddev	.0000	.0003	.000	.0011	.0375	.0137	.0001	.0007	.0029
%RSD	24.30	144.7	596.1	365.0	9.543	271.4	36.64	22.64	1.994
#1	.0001	.0000	.0001	-.0005	-.4193	-.0046	.0002	.0034	.1431
#2	.0002	.0004	-.0001	.0011	-.3663	.0147	.0001	.0025	.1472

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0002**	**.0000**	**.0012**	**.0002**	**-.0005**	**.0006**	**.0001**	**.0004**	**.0003**
Stddev	.0001	.0002	.0006	.0013	.0002	.0000	.0001	.0002	.0000
%RSD	37.60	1200.	50.50	625.6	38.42	8.087	200.8	49.04	16.73
#1	.0003	-.0002	.0008	.0011	-.0007	.0007	.0002	.0003	.0003
#2	.0001	.0002	.0016	-.0007	-.0004	.0006	.0000	.0006	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0005**	**.0007**	**.0003**	**-.0038**	**.0004**	**-.0004**
Stddev	.0000	.0000	.0002	.0001	.0014	.0000	.0001
%RSD	1342.	9.931	31.15	41.49	36.75	10.69	21.58
#1	.0000	.0004	.0009	.0002	-.0047	.0004	-.0004
#2	.0000	.0005	.0006	.0004	-.0028	.0004	-.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4145.0**	**118180.**	**11810.**
Stddev	6.7	168.	17.
%RSD	.16168	.14219	.14043
#1	4149.8	118060.	11822.
#2	4140.3	118300.	11799.

Zoom In Zoom Out

Sample Name: MP22326-B1 Acquired: 12/27/2013 23:45:45 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2105**	**2.275**	**.5393**	**.0000**	**.0017**	**2.104**	**.5135**	**25.35**	**.5229**
Stddev	.0002	.012	.0038	.000	.0000	.004	.0000	.04	.0020
%RSD	.1048	.5231	.7066	246.8	.7036	.2022	.0071	.1392	.3839
#1	.2104	2.283	.5420	-.0001	.0017	2.101	.5135	25.32	.5243
#2	.2107	2.266	.5366	.0000	.0017	2.107	.5136	25.37	.5215

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5627**	**.5255**	**.5095**	**2.178**	**25.93**	**25.95**	**.5227**	**.0006**	**26.53**
Stddev	.0024	.0011	.0036	.010	.02	.20	.0038	.0001	.04
%RSD	.4318	.2169	.7039	.4689	.0813	.7834	.7238	18.54	.1328
#1	.5644	.5263	.5120	2.171	25.94	26.10	.5254	.0007	26.51
#2	.5610	.5247	.5069	2.185	25.91	25.81	.5201	.0005	26.56

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.5169**	**1.039**	**.0001**	**-.0010**	**.0066**	**.5375**	**.5257**	**.0054**	**.0136**
Stddev	.0025	.003	.0001	.0016	.0024	.0005	.0017	.0006	.0001
%RSD	.4846	.2885	155.2	157.3	36.94	.0884	.3196	11.78	.6416
#1	.5187	1.041	.0000	-.0021	.0083	.5372	.5269	.0058	.0137
#2	.5152	1.037	.0002	.0001	.0049	.5379	.5245	.0049	.0135

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5283**	**.5251**	**.5237**	**.5533**	**-.0018**	**.5466**	**-.0014**
Stddev	.0003	.0050	.0028	.0061	.0009	.0024	.0003
%RSD	.0590	.9522	.5334	1.096	47.72	.4357	22.67
#1	.5280	.5286	.5257	.5576	-.0012	.5483	-.0011
#2	.5285	.5215	.5217	.5490	-.0025	.5449	-.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4074.2**	**116740.**	**11649.**
Stddev	27.5	841.	15.
%RSD	.67529	.72067	.13039
#1	4054.8	116140.	11639.
#2	4093.7	117330.	11660.

Zoom In Zoom Out

Sample Name: MP22326-MB1 Acquired: 12/27/2013 23:50:32 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0005**	**.0061**	**.0008**	**.0007**	**.0005**	**.0002**	**.0000**	**.0277**	**.0000**
Stddev	.0001	.0136	.0012	.0003	.0000	.0002	.000	.0014	.000
%RSD	27.54	223.9	161.4	39.08	3.825	66.61	66.27	5.221	388.4
#1	-.0006	-.0036	.0017	.0009	.0005	.0001	-.0001	.0267	.0000
#2	-.0004	.0157	-.0001	.0005	.0005	.0004	.0000	.0287	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**-.0001**	**.0009**	**.0003**	**.0224**	**-.3079**	**.0171**	**.0004**	**.0001**	**.1707**
Stddev	.0000	.0000	.0003	.0023	.0063	.0087	.0000	.0000	.0014
%RSD	14.79	2.720	110.7	10.43	2.055	50.79	6.322	33.91	.8111
#1	-.0001	.0009	.0006	.0241	-.3034	.0110	.0004	.0002	.1717
#2	-.0002	.0009	.0001	.0208	-.3123	.0233	.0004	.0001	.1697

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0002**	**.0000**	**-.0001**	**.0019**	**.0556**	**.0038**	**.0010**	**.0100**	**.0153**
Stddev	.0001	.0005	.0003	.0005	.0006	.0005	.0001	.0004	.0003
%RSD	59.49	2770.	254.9	27.72	1.031	12.58	9.111	3.949	1.991
#1	-.0001	-.0003	.0001	.0015	.0560	.0041	.0009	.0103	.0156
#2	-.0003	.0004	-.0004	.0022	.0551	.0034	.0011	.0097	.0151

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0000**	**.0004**	**-.0013**	**-.0001**	**-.0024**	**.0034**	**-.0015**
Stddev	.0000	.0001	.0005	.0006	.0013	.0001	.0001
%RSD	83.15	23.43	34.95	417.0	52.58	1.698	6.280
#1	.0000	.0004	-.0016	.0003	-.0033	.0035	-.0015
#2	.0000	.0005	-.0010	-.0005	-.0015	.0034	-.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4095.6**	**119020.**	**11765.**
Stddev	24.2	1121.	80.
%RSD	.59049	.94166	.67905
#1	4078.5	118230.	11709.
#2	4112.7	119810.	11822.

Zoom In Zoom Out

Sample Name: MP22326-S1 Acquired: 12/27/2013 23:55:30 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.1970**	**49.91**	**.5256**	**-.0092**	**.0115**	**2.172**	**.4863**	**28.81**	**.4951**
Stddev	.0004	.20	.0058	.0009	.0002	.008	.0012	.03	.0040
%RSD	.1817	.3974	1.102	9.300	1.854	.3526	.2443	.1113	.8172
#1	.1972	50.05	.5215	-.0086	.0113	2.177	.4871	28.79	.4923
#2	.1967	49.77	.5297	-.0098	.0116	2.167	.4854	28.83	.4980

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5688**	**.5615**	**.5420**	**81.77**	**31.44**	**41.95**	**2.573**	**.0007**	**26.32**
Stddev	.0037	.0010	.0019	.35	.18	.00	.002	.0001	.12
%RSD	.6557	.1861	.3590	.4241	.5570	.0010	.0576	7.717	.4586
#1	.5662	.5622	.5406	82.02	31.57	41.95	2.572	.0007	26.41
#2	.5714	.5608	.5434	81.53	31.32	41.95	2.575	.0007	26.24

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.5694**	**.9916**	**.0078**	**.0030**	**.1164**	**.3858**	**.4937**	**4.420**	**.0041**
Stddev	.0039	.0062	.0001	.0012	.0026	.0049	.0023	.024	.0002
%RSD	.6825	.6266	1.279	38.30	2.276	1.277	.4674	.5334	5.952
#1	.5667	.9872	.0079	.0022	.1145	.3823	.4921	4.436	.0039
#2	.5722	.9959	.0077	.0039	.1183	.3893	.4954	4.403	.0042

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5308**	**3.496**	**.4863**	**.6212**	**.0089**	**.6365**	**-.0150**
Stddev	.0004	.009	.0029	.0001	.0013	.0043	.0001
%RSD	.0759	.2541	.5935	.0114	14.26	.6712	.8684
#1	.5311	3.502	.4843	.6212	.0080	.6335	-.0151
#2	.5305	3.489	.4883	.6213	.0098	.6396	-.0149

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4291.5**	**124130.**	**12393.**
Stddev	14.2	582.	48.
%RSD	.33183	.46848	.38538
#1	4301.6	123720.	12359.
#2	4281.4	124550.	12426.

Zoom In Zoom Out

Sample Name: MP22326-S2 Acquired: 12/28/2013 0:00:17 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.1990**	**50.26**	**.5248**	**-.0092**	**.0117**	**2.211**	**.4946**	**29.89**	**.4968**
Stddev	.0003	.14	.0029	.0002	.0002	.010	.0004	.08	.0011
%RSD	.1592	.2859	.5498	1.682	1.423	.4685	.0846	.2573	.2142
#1	.1992	50.16	.5228	-.0093	.0116	2.204	.4943	29.95	.4961
#2	.1987	50.36	.5268	-.0091	.0118	2.218	.4949	29.84	.4976

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5694**	**.5639**	**.5484**	**81.61**	**32.33**	**42.79**	**2.471**	**.0007**	**26.66**
Stddev	.0022	.0003	.0003	.25	.08	.26	.004	.0001	.06
%RSD	.3808	.0460	.0518	.3109	.2449	.5995	.1485	7.821	.2250
#1	.5709	.5641	.5482	81.79	32.27	42.97	2.468	.0008	26.62
#2	.5679	.5637	.5486	81.43	32.38	42.60	2.473	.0007	26.70

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.5694**	**.9915**	**.0082**	**.0022**	**.1143**	**.4032**	**.4954**	**4.350**	**.0033**
Stddev	.0008	.0019	.0008	.0041	.0004	.0003	.0002	.026	.0001
%RSD	.1490	.1898	9.886	183.2	.3328	.0733	.0330	.6096	2.346
#1	.5688	.9902	.0088	.0052	.1140	.4034	.4955	4.368	.0034
#2	.5700	.9928	.0077	-.0007	.1146	.4030	.4953	4.331	.0033

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5387**	**3.687**	**.4856**	**.6360**	**.0128**	**.6386**	**-.0133**
Stddev	.0023	.014	.0012	.0012	.0014	.0029	.0003
%RSD	.4263	.3828	.2376	.1919	10.70	.4516	2.334
#1	.5371	3.677	.4848	.6352	.0118	.6366	-.0135
#2	.5403	3.697	.4864	.6369	.0138	.6407	-.0131

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4328.6**	**124180.**	**12406.**
Stddev	27.4	140.	45.
%RSD	.63202	.11240	.36587
#1	4309.2	124080.	12374.
#2	4347.9	124280.	12438.

Zoom In Zoom Out

Sample Name: MC27390-7 Acquired: 12/28/2013 0:05:05 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0011**	**45.20**	**.0121**	**-.0078**	**.0100**	**.1621**	**.0022**	**5.689**	**.0004**
Stddev	.0001	.30	.0002	.0007	.0000	.0008	.0000	.048	.0001
%RSD	5.080	.6716	1.639	9.092	.4374	.4847	1.441	.8468	31.09
#1	-.0011	44.99	.0120	-.0073	.0100	.1616	.0022	5.655	.0005
#2	-.0011	45.42	.0123	-.0083	.0101	.1627	.0022	5.723	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0393**	**.0745**	**.0611**	**83.50**	**6.336**	**16.13**	**2.080**	**.0004**	**.9819**
Stddev	.0001	.0001	.0006	.70	.021	.15	.001	.0001	.0018
%RSD	.2539	.0859	.9583	.8361	.3267	.9048	.0346	33.14	.1796
#1	.0394	.0745	.0607	83.00	6.322	16.02	2.080	.0003	.9806
#2	.0392	.0744	.0615	83.99	6.351	16.23	2.079	.0005	.9831

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0899**	**.0294**	**.0094**	**.0021**	**.1162**	**.0022**	**.0017**	**4.120**	**.0059**
Stddev	.0001	.0002	.0001	.0003	.0002	.0006	.0018	.025	.0000
%RSD	.1491	.5291	1.270	12.03	.1410	26.49	109.0	.6015	.0661
#1	.0900	.0293	.0095	.0019	.1161	.0027	.0004	4.137	.0059
#2	.0898	.0295	.0093	.0023	.1163	.0018	.0029	4.102	.0059

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0236**	**3.047**	**-.0006**	**.1251**	**.0130**	**.1498**	**-.0061**
Stddev	.0002	.007	.0001	.0006	.0013	.0005	.0006
%RSD	.7093	.2300	15.53	.4684	10.16	.3312	9.785
#1	.0235	3.042	-.0007	.1247	.0139	.1501	-.0057
#2	.0237	3.052	-.0006	.1255	.0120	.1494	-.0065

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4403.7**	**125530.**	**12379.**
Stddev	13.0	105.	69.
%RSD	.29475	.08336	.55795
#1	4394.5	125610.	12428.
#2	4412.9	125460.	12330.

Zoom In Zoom Out

Sample Name: MP22326-SD1 Acquired: 12/28/2013 0:09:56 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0040**	**47.15**	**.0138**	**-.0076**	**.0092**	**.1680**	**.0018**	**5.955**	**.0002**
Stddev	.0013	.16	.0067	.0011	.0007	.0004	.0002	.018	.0001
%RSD	31.51	.3444	48.27	14.13	8.087	.2314	12.75	.3083	59.00
#1	-.0049	47.03	.0091	-.0084	.0097	.1678	.0020	5.968	.0001
#2	-.0031	47.26	.0185	-.0068	.0087	.1683	.0017	5.942	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0416**	**.0773**	**.0617**	**88.25**	**5.044**	**16.80**	**2.190**	**-.0014**	**1.399**
Stddev	.0003	.0005	.0023	.02	.145	.19	.003	.0002	.043
%RSD	.7661	.5966	3.733	.0248	2.866	1.159	.1158	13.07	3.043
#1	.0418	.0770	.0601	88.23	5.147	16.94	2.191	-.0016	1.430
#2	.0414	.0776	.0634	88.26	4.942	16.66	2.188	-.0013	1.369

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0948**	**.0324**	**.0117**	**-.0046**	**.1196**	**.0039**	**.0021**	**4.522**	**.0030**
Stddev	.0003	.0045	.0020	.0148	.0000	.0013	.0016	.058	.0004
%RSD	.3323	13.93	17.00	322.9	.0077	33.68	74.07	1.278	13.34
#1	.0946	.0292	.0131	-.0151	.1196	.0030	.0010	4.563	.0033
#2	.0950	.0356	.0103	.0059	.1196	.0049	.0032	4.482	.0027

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0249**	**3.168**	**-.0008**	**.1310**	**.0125**	**.1608**	**-.0127**
Stddev	.0000	.004	.0003	.0034	.0037	.0009	.0012
%RSD	.1217	.1281	36.11	2.566	29.89	.5417	9.196
#1	.0248	3.171	-.0010	.1334	.0151	.1602	-.0119
#2	.0249	3.165	-.0006	.1286	.0098	.1615	-.0135

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4332.1**	**122560.**	**12105.**
Stddev	8.9	359.	46.
%RSD	.20523	.29325	.38326
#1	4338.4	122310.	12072.
#2	4325.8	122820.	12138.

Zoom In Zoom Out

Sample Name: MP22326-B2 Acquired: 12/28/2013 0:14:50 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2105**	**2.285**	**.5469**	**-.0010**	**.0014**	**2.108**	**.5184**	**25.86**	**.5249**
Stddev	.0001	.008	.0028	.0000	.0000	.012	.0030	.09	.0004
%RSD	.0513	.3678	.5179	1.029	.1454	.5608	.5702	.3287	.0701
#1	.2106	2.291	.5489	-.0010	.0014	2.100	.5205	25.92	.5247
#2	.2104	2.279	.5449	-.0010	.0014	2.117	.5163	25.80	.5252

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.5603**	**.5281**	**.5125**	**2.186**	**26.43**	**26.48**	**.5259**	**-.0004**	**26.96**
Stddev	.0003	.0025	.0004	.021	.15	.25	.0028	.0000	.11
%RSD	.0545	.4692	.0839	.9546	.5862	.9288	.5241	1.604	.4160
#1	.5605	.5299	.5128	2.201	26.32	26.66	.5279	-.0004	26.88
#2	.5601	.5264	.5122	2.171	26.54	26.31	.5240	-.0004	27.04

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.5173**	**1.031**	**.0000**	**.0011**	**-.0003**	**.5368**	**.5197**	**.0043**	**.0141**
Stddev	.0007	.001	.000	.0002	.0021	.0028	.0003	.0004	.0000
%RSD	.1368	.0552	4042.	16.82	605.4	.5258	.0578	10.05	.1415
#1	.5168	1.031	-.0001	.0010	.0011	.5348	.5195	.0040	.0141
#2	.5178	1.032	.0001	.0012	-.0018	.5388	.5200	.0046	.0141

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.5332**	**.5279**	**.5226**	**.5559**	**-.0010**	**.5362**	**.0020**
Stddev	.0018	.0057	.0013	.0046	.0010	.0004	.0004
%RSD	.3301	1.079	.2468	.8191	101.7	.0811	20.49
#1	.5345	.5319	.5236	.5591	-.0017	.5359	.0023
#2	.5320	.5239	.5217	.5526	-.0003	.5365	.0017

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4120.8**	**116540.**	**11614.**
Stddev	10.8	520.	6.
%RSD	.26241	.44654	.05479
#1	4113.2	116180.	11610.
#2	4128.5	116910.	11619.

Zoom In Zoom Out

Sample Name: MP22326-LC1 Acquired: 12/28/2013 0:19:38 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.3464**	**75.02**	**.9292**	**-.0112**	**1.030**	**1.635**	**.5387**	**61.73**	**.6401**
Stddev	.0004	.16	.0067	.0007	.006	.003	.0017	.11	.0028
%RSD	.1031	.2112	.7174	6.168	.5716	.1675	.3247	.1824	.4328
#1	.3462	74.91	.9244	-.0107	1.026	1.633	.5375	61.65	.6381
#2	.3467	75.13	.9339	-.0116	1.034	1.637	.5399	61.81	.6420

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**1.107**	**.6940**	**.8147**	**119.1**	**37.33**	**29.24**	**2.903**	**.4499**	**6.922**
Stddev	.006	.0033	.0013	.3	.04	.03	.014	.0034	.018
%RSD	.5638	.4770	.1549	.2374	.0977	.1100	.4875	.7500	.2675
#1	1.103	.6963	.8156	118.9	37.31	29.22	2.913	.4475	6.935
#2	1.112	.6916	.8138	119.3	37.36	29.26	2.893	.4523	6.909

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.5927**	**.8791**	**.0088**	**.0024**	**2.523**	**.8011**	**1.707**	**7.801**	**1.035**
Stddev	.0023	.0026	.0003	.0026	.008	.0069	.012	.061	.005
%RSD	.3832	.2906	3.646	111.0	.3339	.8600	.7197	.7803	.4671
#1	.5911	.8773	.0086	.0042	2.517	.7962	1.698	7.758	1.032
#2	.5944	.8809	.0090	.0005	2.529	.8059	1.716	7.844	1.039

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.7053**	**2.038**	**1.189**	**.5489**	**.0140**	**1.361**	**.0236**
Stddev	.0015	.004	.004	.0015	.0005	.001	.0000
%RSD	.2139	.1972	.3012	.2654	3.710	.0482	.1717
#1	.7042	2.035	1.186	.5499	.0144	1.361	.0236
#2	.7063	2.041	1.191	.5479	.0136	1.362	.0237

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4520.9**	**130680.**	**12968.**
Stddev	24.1	511.	21.
%RSD	.53237	.39122	.16417
#1	4537.9	130320.	12953.
#2	4503.9	131040.	12983.

Zoom In Zoom Out

Sample Name: MC27266-1 Acquired: 12/28/2013 0:24:22 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0007**	**55.32**	**.0336**	**-.0078**	**.0111**	**.3230**	**.0017**	**11.45**	**.0033**
Stddev	.0003	1.29	.0006	.0004	.0002	.0093	.0001	.28	.0000
%RSD	47.60	2.336	1.676	5.026	1.571	2.894	4.397	2.429	.9792
#1	-.0004	54.41	.0340	-.0076	.0110	.3164	.0018	11.25	.0034
#2	-.0009	56.23	.0332	-.0081	.0113	.3296	.0017	11.64	.0033

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0258**	**.0806**	**.2389**	**77.65**	**7.305**	**14.83**	**2.164**	**.0239**	**1.430**
Stddev	.0000	.0012	.0026	1.88	.186	.35	.023	.0000	.050
%RSD	.1629	1.480	1.108	2.416	2.543	2.334	1.052	.0641	3.500
#1	.0259	.0798	.2370	76.32	7.174	14.58	2.148	.0239	1.394
#2	.0258	.0815	.2408	78.97	7.436	15.07	2.180	.0239	1.465

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0516**	**.5015**	**.0079**	**.0047**	**.8667**	**.0051**	**.0043**	**4.979**	**.0091**
Stddev	.0004	.0017	.0006	.0003	.0009	.0014	.0016	.009	.0001
%RSD	.8603	.3343	7.140	6.352	.0987	28.30	37.45	.1738	.9577
#1	.0513	.5003	.0083	.0045	.8661	.0061	.0055	4.985	.0090
#2	.0519	.5027	.0075	.0049	.8673	.0040	.0032	4.972	.0091

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0727**	**4.152**	**-.0017**	**.1011**	**.0124**	**.3000**	**-.0155**
Stddev	.0015	.052	.0003	.0010	.0008	.0011	.0008
%RSD	2.086	1.264	14.93	.9845	6.637	.3572	4.982
#1	.0716	4.115	-.0019	.1004	.0129	.2992	-.0160
#2	.0738	4.190	-.0015	.1018	.0118	.3007	-.0149

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4457.4**	**125470.**	**12137.**
Stddev	3.4	1238.	274.
%RSD	.07559	.98636	2.2541
#1	4459.8	126340.	12331.
#2	4455.0	124590.	11944.

Zoom In Zoom Out

Sample Name: MC27266-2 Acquired: 12/28/2013 0:29:12 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0013**	**65.40**	**.0277**	**-.0063**	**.0110**	**.2946**	**.0023**	**10.75**	**.0024**
Stddev	.0001	.06	.0004	.0002	.0001	.0018	.0000	.03	.0001
%RSD	10.05	.0893	1.266	3.703	.9637	.6153	1.044	.2984	2.095
#1	-.0012	65.36	.0279	-.0061	.0110	.2933	.0023	10.73	.0024
#2	-.0014	65.44	.0274	-.0065	.0111	.2959	.0023	10.78	.0025

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0360**	**.0854**	**.1502**	**88.43**	**10.31**	**21.93**	**1.058**	**.0098**	**1.294**
Stddev	.0001	.0001	.0007	.04	.06	.13	.003	.0001	.005
%RSD	.4113	.0788	.4739	.0454	.6025	.5760	.3005	.5381	.4047
#1	.0361	.0855	.1497	88.46	10.26	22.02	1.060	.0098	1.298
#2	.0359	.0854	.1507	88.40	10.35	21.84	1.055	.0098	1.290

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0615**	**.2167**	**.0098**	**.0002**	**.6498**	**.0023**	**.0031**	**4.652**	**.0011**
Stddev	.0002	.0001	.0006	.0020	.0019	.0006	.0002	.024	.0002
%RSD	.3094	.0524	6.219	1040.	.2883	24.54	7.657	.5118	21.96
#1	.0613	.2166	.0094	.0016	.6511	.0027	.0029	4.635	.0013
#2	.0616	.2168	.0102	-.0012	.6485	.0019	.0032	4.669	.0010

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0628**	**5.326**	**-.0037**	**.1282**	**.0179**	**.3283**	**-.0100**
Stddev	.0004	.021	.0004	.0019	.0016	.0013	.0001
%RSD	.6021	.3851	10.10	1.480	8.898	.3900	.8203
#1	.0625	5.340	-.0040	.1295	.0168	.3274	-.0100
#2	.0630	5.311	-.0035	.1268	.0190	.3292	-.0099

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4452.2**	**127420.**	**12480.**
Stddev	11.3	642.	3.
%RSD	.25368	.50405	.02773
#1	4444.2	126970.	12477.
#2	4460.2	127880.	12482.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/28/2013 0:34:04 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2547**	**10.45**	**1.942**	**-.0055**	**2.049**	**2.083**	**2.051**	**10.46**	**2.010**
Stddev	.0003	.45	.004	.0003	.004	.082	.085	.46	.003
%RSD	.1290	4.287	.1842	6.256	.1834	3.932	4.158	4.410	.1616
#1	.2545	10.76	1.939	-.0053	2.046	2.141	2.111	10.79	2.007
#2	.2550	10.13	1.944	-.0058	2.051	2.025	1.991	10.14	2.012

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.168**	**2.005**	**1.973**	**10.57**	**10.22**	**10.31**	**2.028**	**2.084**	**10.69**
Stddev	.003	.000	.004	.46	.41	.47	.001	.007	.44
%RSD	.1521	.0097	.2150	4.397	4.052	4.533	.0379	.3527	4.095
#1	2.166	2.005	1.976	10.90	10.51	10.64	2.027	2.079	11.00
#2	2.170	2.005	1.970	10.25	9.927	9.976	2.028	2.089	10.38

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**2.011**	**2.010**	**.0014**	**.0032**	**-.0100**	**2.078**	**2.089**	**-.0467**	**2.075**
Stddev	.002	.001	.0002	.0008	.0009	.001	.000	.0002	.002
%RSD	.1200	.0536	15.15	23.82	8.965	.0607	.0034	.5044	.0980
#1	2.009	2.010	.0015	.0026	-.0093	2.077	2.089	-.0469	2.074
#2	2.012	2.009	.0012	.0037	-.0106	2.078	2.089	-.0466	2.077

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**2.153**	**2.043**	**2.011**	**2.039**	**-.0067**	**1.978**	**-.0011**
Stddev	.080	.001	.002	.005	.0019	.002	.0009
%RSD	3.696	.0610	.0979	.2315	29.07	.0750	76.50
#1	2.209	2.043	2.010	2.035	-.0080	1.977	-.0005
#2	2.096	2.044	2.012	2.042	-.0053	1.979	-.0017

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4180.0**	**119790.**	**11502.**
Stddev	9.9	144.	445.
%RSD	.23713	.12048	3.8649
#1	4187.0	119890.	11188.
#2	4172.9	119680.	11817.

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/28/2013 0:38:48 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0005**	**.0068**	**.0002**	**.0002**	**.0008**	**.0001**	**.0000**	**.0004**	**.0002**
Stddev	.0001	.0022	.0000	.0004	.0002	.0001	.0000	.0042	.0000
%RSD	24.36	31.82	27.98	211.7	28.31	118.7	344.2	1012.	3.509
#1	-.0004	.0053	.0001	-.0001	.0009	.0000	.0000	-.0026	.0002
#2	-.0006	.0084	.0002	.0004	.0006	.0001	.0000	.0034	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0002**	**.0000**	**.0000**	**.0045**	**-.4589**	**-.0072**	**.0002**	**.0029**	**.0805**
Stddev	.0000	.000	.000	.0032	.0507	.0061	.0000	.0007	.0078
%RSD	2.144	1502.	162.5	70.90	11.04	85.20	23.04	23.44	9.688
#1	.0002	-.0002	.0000	.0022	-.4947	-.0029	.0002	.0033	.0750
#2	.0002	.0002	-.0001	.0068	-.4231	-.0116	.0002	.0024	.0860

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0002**	**.0007**	**.0002**	**-.0002**	**.0005**	**.0007**	**.0014**	**.0028**	**.0003**
Stddev	.0001	.0000	.0005	.0006	.0007	.0002	.0010	.0002	.0000
%RSD	34.87	2.682	252.6	299.5	136.4	26.42	72.85	6.309	12.01
#1	.0002	.0006	-.0001	-.0007	.0010	.0006	.0007	.0029	.0003
#2	.0003	.0007	.0005	.0002	.0000	.0009	.0022	.0026	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0001**	**.0008**	**.0008**	**.0002**	**-.0013**	**.0002**	**-.0008**
Stddev	.0000	.0000	.0003	.0003	.0007	.0000	.0002
%RSD	22.90	1.467	40.46	150.7	53.79	23.04	20.20
#1	.0001	.0008	.0010	.0004	-.0008	.0002	-.0009
#2	.0001	.0008	.0006	.0000	-.0018	.0002	-.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4151.5**	**119580.**	**12376.**
Stddev	25.1	242.	908.
%RSD	.60464	.20198	7.3372
#1	4169.2	119750.	13019.
#2	4133.7	119410.	11734.

Zoom In Zoom Out

Sample Name: MC27266-3 Acquired: 12/28/2013 0:43:47 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0010**	**51.19**	**.0196**	**-.0042**	**.0032**	**.1998**	**.0015**	**7.175**	**.0006**
Stddev	.0002	.09	.0002	.0003	.0001	.0010	.0000	.009	.0001
%RSD	22.08	.1756	.7797	6.067	1.968	.4942	1.947	.1285	11.49
#1	-.0009	51.13	.0195	-.0044	.0032	.1991	.0015	7.181	.0005
#2	-.0012	51.25	.0197	-.0040	.0032	.2005	.0015	7.168	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0315**	**.0588**	**.0596**	**62.64**	**4.821**	**13.32**	**.8041**	**.0033**	**.4337**
Stddev	.0003	.0003	.0001	.02	.016	.07	.0034	.0002	.0063
%RSD	.9331	.4487	.1336	.0395	.3377	.4957	.4184	4.816	1.455
#1	.0313	.0586	.0597	62.66	4.809	13.36	.8065	.0034	.4292
#2	.0317	.0590	.0596	62.63	4.832	13.27	.8017	.0032	.4382

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0398**	**.0662**	**.0069**	**-.0017**	**.3241**	**.0011**	**.0031**	**4.543**	**.0034**
Stddev	.0002	.0005	.0002	.0010	.0024	.0002	.0006	.043	.0001
%RSD	.4436	.6862	3.166	57.30	.7478	15.08	18.68	.9512	3.716
#1	.0397	.0658	.0071	-.0023	.3224	.0013	.0027	4.513	.0033
#2	.0399	.0665	.0068	-.0010	.3258	.0010	.0036	4.574	.0035

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0374**	**4.248**	**-.0029**	**.0972**	**.0074**	**.1980**	**-.0128**
Stddev	.0001	.021	.0003	.0012	.0018	.0009	.0003
%RSD	.2446	.4950	9.411	1.272	24.23	.4756	2.029
#1	.0374	4.263	-.0027	.0981	.0062	.1973	-.0126
#2	.0373	4.233	-.0031	.0963	.0087	.1987	-.0130

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4372.5**	**125150.**	**12312.**
Stddev	23.6	729.	14.
%RSD	.54017	.58245	.11192
#1	4389.2	124640.	12302.
#2	4355.8	125670.	12321.

Zoom In Zoom Out

Sample Name: MC27295-1 Acquired: 12/28/2013 0:48:39 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0017**	**141.8**	**.0815**	**-.0209**	**.0177**	**.6574**	**.0083**	**2.712**	**.0002**
Stddev	.0000	7.8	.0002	.0051	.0004	.0354	.0005	.150	.0002
%RSD	1.969	5.480	.2239	24.15	2.229	5.392	5.852	5.534	124.6
#1	-.0017	147.3	.0814	-.0245	.0180	.6825	.0086	2.818	.0000
#2	-.0017	136.3	.0816	-.0173	.0175	.6324	.0080	2.606	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.1235**	**.1944**	**.2131**	**F 307.1**	**14.47**	**33.65**	**2.697**	**.0012**	**.3753**
Stddev	.0006	.0013	.0019	17.1	.75	1.81	.012	.0000	.0212
%RSD	.4842	.6797	.8981	5.579	5.169	5.387	.4544	4.111	5.645
#1	.1231	.1953	.2145	319.2	15.00	34.93	2.706	.0012	.3903
#2	.1239	.1934	.2118	295.0	13.94	32.37	2.688	.0011	.3604

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.2707**	**.1443**	**.0194**	**-.0063**	**.1794**	**-.0003**	**-.0038**	**4.982**	**.0119**
Stddev	.0007	.0010	.0059	.0011	.0041	.0011	.0036	.033	.0002
%RSD	.2425	.6995	30.28	18.09	2.277	358.2	94.88	.6548	2.077
#1	.2711	.1450	.0236	-.0055	.1765	-.0010	-.0012	5.005	.0117
#2	.2702	.1436	.0153	-.0071	.1823	.0005	-.0063	4.959	.0121

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0668**	**.4587**	**-.0015**	**.1875**	**.0429**	**.7520**	**.0595**
Stddev	.0036	.0031	.0003	.0002	.0001	.0037	.0011
%RSD	5.351	.6795	18.51	.1303	.1435	.4972	1.853
#1	.0693	.4609	-.0013	.1873	.0428	.7546	.0587
#2	.0642	.4565	-.0017	.1877	.0429	.7494	.0602

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4915.2**	**141770.**	**14620.**
Stddev	12.7	202.	646.
%RSD	.25821	.14261	4.4221
#1	4906.2	141630.	14162.
#2	4924.2	141920.	15077.

Zoom In Zoom Out

Sample Name: MC27295-2 Acquired: 12/28/2013 0:53:28 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0017**	**140.6**	**.1037**	**-.0252**	**.0190**	**.6768**	**.0096**	**2.933**	**.0002**
Stddev	.0000	1.2	.0006	.0008	.0002	.0050	.0002	.014	.0001
%RSD	1.588	.8193	.5506	3.274	.8780	.7387	2.171	.4639	38.76
#1	-.0017	139.7	.1032	-.0247	.0189	.6732	.0095	2.923	.0002
#2	-.0017	141.4	.1041	-.0258	.0191	.6803	.0098	2.942	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.1365**	**.1868**	**.2166**	**F 325.8**	**14.10**	**32.58**	**3.024**	**.0020**	**.4305**
Stddev	.0002	.0009	.0005	2.1	.10	.26	.015	.0000	.0039
%RSD	.1642	.4688	.2083	.6405	.6968	.7908	.4810	.9641	.9172
#1	.1367	.1875	.2169	324.3	14.03	32.40	3.035	.0019	.4333
#2	.1364	.1862	.2163	327.2	14.17	32.76	3.014	.0020	.4277

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.2741**	**.1416**	**.0252**	**-.0017**	**.7707**	**-.0003**	**.0016**	**5.601**	**.0122**
Stddev	.0004	.0002	.0016	.0011	.0007	.0008	.0001	.045	.0000
%RSD	.1523	.1272	6.405	65.22	.0887	242.4	7.899	.8109	.0148
#1	.2738	.1417	.0240	-.0009	.7702	.0002	.0015	5.633	.0123
#2	.2744	.1415	.0263	-.0025	.7711	-.0009	.0017	5.569	.0122

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0725**	**.5735**	**-.0006**	**.1975**	**.0446**	**.7218**	**.0632**
Stddev	.0005	.0001	.0003	.0008	.0058	.0001	.0001
%RSD	.6305	.0149	43.44	.4168	12.89	.0106	.1584
#1	.0722	.5734	-.0008	.1981	.0405	.7218	.0632
#2	.0728	.5735	-.0004	.1969	.0487	.7219	.0631

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4833.0**	**138830.**	**13855.**
Stddev	.4	678.	1.
%RSD	.00841	.48851	.00697
#1	4833.3	138350.	13855.
#2	4832.7	139310.	13856.

Zoom In Zoom Out

Sample Name: MC27295-3 Acquired: 12/28/2013 0:58:15 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0016**	**126.0**	**.1351**	**-.0255**	**.0201**	**.5571**	**.0079**	**4.443**	**.0001**
Stddev	.0000	.0	.0004	.0009	.0002	.0002	.0001	.028	.0000
%RSD	1.987	.0193	.2973	3.483	1.054	.0323	.6595	.6262	18.82
#1	-.0016	126.0	.1348	-.0261	.0203	.5570	.0078	4.463	.0001
#2	-.0016	126.0	.1354	-.0249	.0200	.5573	.0079	4.423	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.1251**	**.1644**	**.2062**	**F 309.7**	**14.45**	**27.28**	**4.090**	**.0014**	**.3412**
Stddev	.0008	.0005	.0002	1.8	.00	.19	.024	.0001	.0013
%RSD	.6575	.3021	.0844	.5913	.0035	.7052	.5857	8.163	.3797
#1	.1245	.1648	.2064	310.9	14.45	27.41	4.107	.0013	.3403
#2	.1257	.1641	.2061	308.4	14.45	27.14	4.073	.0015	.3421

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.2496**	**.1313**	**.0255**	**-.0019**	**.4700**	**.0004**	**.0018**	**5.070**	**.0131**
Stddev	.0014	.0000	.0000	.0016	.0039	.0002	.0010	.049	.0000
%RSD	.5414	.0281	.1832	87.50	.8211	55.20	57.87	.9615	.1771
#1	.2487	.1313	.0255	-.0007	.4673	.0003	.0025	5.035	.0131
#2	.2506	.1313	.0255	-.0030	.4727	.0006	.0010	5.104	.0131

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0794**	**.6230**	**-.0014**	**.1871**	**.0450**	**.6654**	**.0700**
Stddev	.0002	.0021	.0001	.0003	.0073	.0041	.0001
%RSD	.2575	.3440	8.289	.1394	16.31	.6235	.1922
#1	.0792	.6245	-.0013	.1869	.0502	.6625	.0699
#2	.0795	.6215	-.0015	.1872	.0398	.6684	.0701

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4668.2**	**134770.**	**13373.**
Stddev	7.3	439.	86.
%RSD	.15688	.32603	.64204
#1	4673.4	134460.	13312.
#2	4663.0	135080.	13434.

Zoom In Zoom Out

Sample Name: MC27295-4 Acquired: 12/28/2013 1:03:09 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0015**	**133.8**	**.0823**	**-.0204**	**.0218**	**.7703**	**.0072**	**4.644**	**.0000**
Stddev	.0000	.5	.0005	.0021	.0003	.0017	.0000	.007	.0000
%RSD	1.990	.3893	.5561	10.44	1.392	.2253	.3837	.1436	132.0
#1	-.0015	133.4	.0820	-.0189	.0220	.7690	.0072	4.639	.0000
#2	-.0016	134.1	.0826	-.0219	.0216	.7715	.0072	4.649	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0966**	**.1775**	**.1636**	**F 282.7**	**14.49**	**30.33**	**2.349**	**.0020**	**.3644**
Stddev	.0009	.0008	.0005	.7	.01	.05	.009	.0000	.0095
%RSD	.9603	.4688	.3074	.2305	.0883	.1804	.3821	.9331	2.612
#1	.0972	.1781	.1633	282.2	14.50	30.29	2.356	.0020	.3712
#2	.0959	.1769	.1640	283.2	14.48	30.37	2.343	.0020	.3577

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.2174**	**.1235**	**.0234**	**-.0037**	**.6122**	**-.0004**	**.0026**	**6.082**	**.0120**
Stddev	.0013	.0020	.0003	.0004	.0102	.0000	.0003	.018	.0002
%RSD	.5920	1.624	1.429	11.68	1.663	2.297	10.00	.2924	1.503
#1	.2183	.1249	.0236	-.0034	.6194	-.0004	.0025	6.069	.0122
#2	.2165	.1221	.0232	-.0040	.6050	-.0004	.0028	6.094	.0119

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0905**	**.7344**	**-.0021**	**.1967**	**.0450**	**.6057**	**.0713**
Stddev	.0004	.0099	.0003	.0004	.0013	.0026	.0012
%RSD	.4798	1.346	12.25	.1847	2.998	.4320	1.622
#1	.0902	.7274	-.0023	.1969	.0459	.6075	.0721
#2	.0908	.7414	-.0019	.1964	.0440	.6038	.0705

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4629.5**	**132290.**	**13165.**
Stddev	36.5	289.	6.
%RSD	.78807	.21844	.04795
#1	4603.7	132090.	13169.
#2	4655.3	132490.	13160.

Zoom In Zoom Out

Sample Name: MC27295-5 Acquired: 12/28/2013 1:07:57 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0012**	**127.9**	**.1442**	**-.0201**	**.0188**	**.4616**	**.0065**	**4.748**	**.0002**
Stddev	.0002	.2	.0043	.0013	.0002	.0018	.0001	.002	.0000
%RSD	14.62	.1860	2.977	6.460	.8655	.4007	.9200	.0399	1.661
#1	-.0013	128.1	.1472	-.0192	.0189	.4603	.0065	4.750	.0002
#2	-.0011	127.8	.1411	-.0211	.0187	.4629	.0066	4.747	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0939**	**.1595**	**.1817**	**F 293.4**	**9.129**	**23.54**	**2.284**	**.0069**	**.2446**
Stddev	.0004	.0009	.0001	.2	.042	.05	.023	.0000	.0100
%RSD	.4394	.5882	.0451	.0697	.4612	.2130	1.023	.0335	4.103
#1	.0942	.1602	.1817	293.3	9.099	23.58	2.300	.0069	.2375
#2	.0936	.1589	.1818	293.6	9.158	23.51	2.267	.0069	.2517

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.1819**	**.1586**	**.0251**	**-.0059**	**1.831**	**-.0006**	**.0042**	**5.975**	**.0126**
Stddev	.0006	.0012	.0010	.0002	.002	.0006	.0004	.095	.0001
%RSD	.3194	.7676	4.050	4.064	.1141	118.0	8.670	1.597	.4236
#1	.1823	.1595	.0244	-.0061	1.833	-.0001	.0040	6.042	.0125
#2	.1815	.1578	.0258	-.0058	1.830	-.0010	.0045	5.907	.0126

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0571**	**.8883**	**-.0006**	**.2120**	**.0456**	**.6000**	**.0606**
Stddev	.0002	.0137	.0003	.0029	.0011	.0010	.0007
%RSD	.4128	1.543	44.07	1.360	2.417	.1702	1.193
#1	.0570	.8980	-.0004	.2140	.0449	.6007	.0611
#2	.0573	.8786	-.0008	.2099	.0464	.5992	.0601

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4465.5**	**127760.**	**12764.**
Stddev	24.1	1309.	37.
%RSD	.53939	1.0243	.29144
#1	4448.5	126830.	12738.
#2	4482.5	128680.	12790.

Zoom In Zoom Out

Sample Name: MC27295-6 Acquired: 12/28/2013 1:12:44 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0014**	**115.6**	**.1329**	**-.0222**	**.0175**	**.4903**	**.0058**	**6.763**	**.0005**
Stddev	.0003	.8	.0013	.0020	.0003	.0013	.0001	.045	.0001
%RSD	24.04	.6595	.9728	9.174	1.882	.2550	1.741	.6603	32.22
#1	-.0011	116.2	.1338	-.0236	.0177	.4911	.0059	6.794	.0006
#2	-.0016	115.1	.1320	-.0207	.0173	.4894	.0058	6.731	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.1553**	**.1630**	**.1268**	**F 284.2**	**7.988**	**20.39**	**4.383**	**.0070**	**.2753**
Stddev	.0018	.0021	.0004	2.4	.064	.35	.064	.0000	.0083
%RSD	1.132	1.309	.2962	.8498	.7999	1.737	1.452	.0475	3.012
#1	.1566	.1615	.1266	285.9	8.033	20.64	4.338	.0070	.2812
#2	.1541	.1645	.1271	282.5	7.943	20.14	4.428	.0070	.2695

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.1654**	**.1942**	**.0243**	**.0013**	**1.508**	**.0012**	**.0030**	**6.787**	**.0122**
Stddev	.0013	.0024	.0005	.0017	.015	.0009	.0003	.096	.0000
%RSD	.8056	1.253	2.057	133.7	1.019	71.78	8.921	1.416	.2759
#1	.1664	.1960	.0247	.0001	1.519	.0019	.0032	6.854	.0121
#2	.1645	.1925	.0240	.0025	1.497	.0006	.0029	6.719	.0122

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0616**	**.8671**	**-.0003**	**.2207**	**.0366**	**.5583**	**.0498**
Stddev	.0007	.0128	.0008	.0027	.0029	.0042	.0005
%RSD	1.179	1.482	281.0	1.241	7.961	.7437	1.011
#1	.0621	.8580	.0003	.2187	.0345	.5613	.0494
#2	.0610	.8762	-.0009	.2226	.0386	.5554	.0501

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4353.6**	**126700.**	**12609.**
Stddev	38.5	1069.	148.
%RSD	.88435	.84392	1.1773
#1	4326.3	127460.	12504.
#2	4380.8	125950.	12714.

Zoom In Zoom Out

Sample Name: MC27295-7 Acquired: 12/28/2013 1:17:37 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0014**	**149.3**	**.1397**	**-.0229**	**.0210**	**.4198**	**.0059**	**3.014**	**.0000**
Stddev	.0001	2.3	.0024	.0016	.0001	.0074	.0002	.055	.000
%RSD	4.077	1.514	1.752	6.874	.4675	1.768	3.112	1.834	225.2
#1	-.0014	150.9	.1380	-.0218	.0211	.4250	.0060	3.053	-.0001
#2	-.0013	147.7	.1414	-.0240	.0209	.4145	.0058	2.975	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0989**	**.1792**	**.1385**	**F 292.3**	**8.874**	**24.58**	**3.492**	**.0101**	**.4612**
Stddev	.0011	.0164	.0113	5.6	.173	.41	.330	.0000	.0109
%RSD	1.110	9.165	8.189	1.912	1.955	1.685	9.455	.0975	2.355
#1	.0982	.1908	.1465	296.2	8.997	24.87	3.725	.0102	.4688
#2	.0997	.1676	.1305	288.3	8.751	24.28	3.258	.0101	.4535

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.1549**	**.1345**	**.0277**	**.0007**	**2.246**	**.0005**	**.0038**	**7.014**	**.0112**
Stddev	.0005	.0011	.0052	.0013	.009	.0014	.0021	.022	.0001
%RSD	.3138	.8259	18.83	189.6	.4239	281.2	56.19	.3188	.5759
#1	.1545	.1337	.0240	.0016	2.239	-.0005	.0053	7.030	.0112
#2	.1552	.1353	.0314	-.0002	2.252	.0014	.0023	6.998	.0111

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0525**	**1.162**	**.0001**	**.2609**	**.0464**	**.4811**	**.0719**
Stddev	.0009	.096	.0007	.0247	.0007	.0018	.0122
%RSD	1.663	8.259	492.1	9.467	1.567	.3638	17.01
#1	.0531	1.229	.0006	.2784	.0469	.4799	.0805
#2	.0519	1.094	-.0004	.2435	.0459	.4823	.0632

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4323.2**	**126830.**	**12143.**
Stddev	12.5	9934.	228.
%RSD	.28829	7.8329	1.8743
#1	4332.1	119800.	11982.
#2	4314.4	133850.	12304.

Zoom In Zoom Out

Sample Name: MC27295-8 Acquired: 12/28/2013 1:22:32 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0011**	**120.4**	**.0864**	**-.0158**	**.0190**	**.4514**	**.0045**	**3.650**	**.0001**
Stddev	.0000	.5	.0007	.0006	.0000	.0002	.0001	.009	.0001
%RSD	1.790	.4025	.7978	3.975	.0012	.0370	1.119	.2321	67.43
#1	-.0011	120.1	.0859	-.0163	.0190	.4513	.0045	3.644	.0001
#2	-.0011	120.8	.0869	-.0154	.0190	.4515	.0046	3.656	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0824**	**.1393**	**.0877**	**198.1**	**6.971**	**18.46**	**1.734**	**.0047**	**.3915**
Stddev	.0004	.0012	.0003	.7	.016	.00	.009	.0000	.0004
%RSD	.5366	.8435	.2953	.3521	.2292	.0057	.5351	.8100	.0948
#1	.0821	.1401	.0875	197.6	6.982	18.46	1.740	.0047	.3912
#2	.0827	.1384	.0878	198.6	6.959	18.46	1.727	.0047	.3917

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.1312**	**.1272**	**.0193**	**-.0026**	**2.170**	**-.0001**	**.0056**	**7.283**	**.0123**
Stddev	.0007	.0014	.0001	.0015	.013	.0009	.0004	.175	.0002
%RSD	.5355	1.104	.2852	57.90	.5817	1049.	6.794	2.404	1.816
#1	.1307	.1262	.0193	-.0036	2.161	.0006	.0059	7.407	.0122
#2	.1317	.1282	.0192	-.0015	2.178	-.0007	.0053	7.159	.0125

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0546**	**.9157**	**-.0018**	**.1974**	**.0272**	**.4746**	**.0374**
Stddev	.0002	.0029	.0008	.0018	.0041	.0025	.0009
%RSD	.3750	.3218	43.36	.9124	15.00	.5324	2.330
#1	.0545	.9178	-.0012	.1987	.0243	.4728	.0381
#2	.0548	.9136	-.0023	.1962	.0301	.4764	.0368

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4354.3**	**125480.**	**12333.**
Stddev	13.0	761.	32.
%RSD	.29756	.60613	.25828
#1	4363.5	124940.	12311.
#2	4345.2	126020.	12356.

Zoom In Zoom Out

Sample Name: MC27324-1 Acquired: 12/28/2013 1:27:21 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**16.80**	**.0579**	**-.0029**	**.0189**	**.1409**	**.0012**	**5.098**	**.0011**
Stddev	.0002	.02	.0007	.0000	.0000	.0002	.0000	.018	.0000
%RSD	105.2	.1134	1.180	1.635	.1212	.1756	.4494	.3530	2.781
#1	-.0003	16.82	.0584	-.0029	.0189	.1408	.0012	5.111	.0011
#2	.0000	16.79	.0574	-.0028	.0189	.1411	.0012	5.085	.0010

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0096**	**.0267**	**.3461**	**42.57**	**1.686**	**3.734**	**.2788**	**.0018**	**.8414**
Stddev	.0001	.0000	.0022	.32	.021	.049	.0007	.0000	.0024
%RSD	.6349	.1861	.6256	.7501	1.236	1.324	.2455	.7687	.2829
#1	.0097	.0268	.3476	42.80	1.671	3.769	.2793	.0018	.8431
#2	.0096	.0267	.3446	42.35	1.701	3.699	.2783	.0018	.8397

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0212**	**1.285**	**.0042**	**.0023**	**1.501**	**.0031**	**.0021**	**4.374**	**.0691**
Stddev	.0000	.005	.0003	.0024	.008	.0002	.0003	.070	.0004
%RSD	.1069	.4083	8.235	102.8	.5256	6.344	13.90	1.609	.5926
#1	.0212	1.282	.0044	.0006	1.495	.0029	.0023	4.424	.0689
#2	.0212	1.289	.0039	.0040	1.506	.0032	.0019	4.324	.0694

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0454**	**.8145**	**-.0021**	**.0791**	**.0073**	**.3673**	**.0058**
Stddev	.0001	.0048	.0000	.0003	.0021	.0035	.0002
%RSD	.1268	.5911	1.753	.3954	29.19	.9595	2.776
#1	.0454	.8111	-.0020	.0789	.0058	.3648	.0060
#2	.0453	.8179	-.0021	.0793	.0088	.3698	.0057

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4211.6**	**118260.**	**11923.**
Stddev	8.9	26.	99.
%RSD	.21046	.02234	.82901
#1	4217.9	118240.	11853.
#2	4205.4	118280.	11993.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/28/2013 1:32:13 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2574**	**10.35**	**1.924**	**-.0047**	**2.051**	**2.063**	**2.030**	**10.32**	**2.004**
Stddev	.0007	.01	.016	.0003	.027	.003	.001	.05	.027
%RSD	.2722	.0705	.8428	5.841	1.331	.1601	.0685	.4403	1.340
#1	.2579	10.34	1.935	-.0049	2.071	2.061	2.029	10.29	2.023
#2	.2569	10.35	1.912	-.0045	2.032	2.065	2.031	10.35	1.985

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.170**	**2.026**	**1.991**	**10.49**	**9.938**	**10.14**	**2.058**	**2.087**	**10.55**
Stddev	.032	.002	.003	.05	.015	.05	.006	.025	.00
%RSD	1.461	.1158	.1354	.4685	.1549	.4626	.2713	1.221	.0139
#1	2.192	2.028	1.993	10.45	9.949	10.11	2.062	2.105	10.55
#2	2.147	2.024	1.989	10.52	9.927	10.17	2.054	2.069	10.55

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**2.004**	**2.006**	**.0014**	**.0023**	**-.0079**	**2.085**	**2.097**	**-.0491**	**2.074**
Stddev	.027	.027	.0006	.0034	.0006	.030	.029	.0011	.028
%RSD	1.363	1.328	40.79	144.9	7.164	1.431	1.388	2.205	1.332
#1	2.024	2.025	.0019	-.0001	-.0075	2.106	2.117	-.0483	2.094
#2	1.985	1.987	.0010	.0047	-.0083	2.063	2.076	-.0499	2.055

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**2.136**	**2.084**	**2.009**	**2.081**	**-.0083**	**1.965**	**.0222**
Stddev	.002	.010	.024	.007	.0033	.022	.0035
%RSD	.0996	.4717	1.216	.3242	39.19	1.120	15.82
#1	2.134	2.091	2.026	2.086	-.0060	1.980	.0247
#2	2.137	2.077	1.992	2.076	-.0106	1.949	.0198

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4165.7**	**118080.**	**11596.**
Stddev	53.2	603.	29.
%RSD	1.2767	.51102	.24869
#1	4128.1	118510.	11616.
#2	4203.3	117650.	11575.

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/28/2013 1:36:59 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	**-.0003**	**.0050**	**-.0008**	**.0005**	**.0006**	**-.0001**	**.0000**	**.0006**
Stddev	.0000	.0034	.0002	.0011	.0001	.0001	.000	.0020
%RSD	7.666	67.31	23.37	236.1	16.17	43.66	59.06	331.6
#1	-.0003	.0026	-.0010	.0013	.0006	-.0001	.0000	.0020
#2	-.0003	.0074	-.0007	-.0003	.0005	-.0002	.0000	-.0008

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	**.0002**	**.0002**	**-.0001**	**.0000**	**.0025**	F **-.5342**	**.0054**	**.0001**
Stddev	.0000	.0001	.0001	.0002	.0025	.0168	.0009	.0001
%RSD	1.790	40.23	248.4	485.6	101.4	3.145	16.39	125.4
#1	.0002	.0001	.0000	-.0001	.0042	-.5461	.0047	.0000
#2	.0002	.0003	-.0002	.0002	.0007	-.5223	.0060	.0001

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	**.0027**	**.0437**	**.0001**	**.0001**	**.0001**	**-.0003**	**-.0013**	**.0005**
Stddev	.0006	.0062	.0002	.0001	.0006	.0011	.0007	.0002
%RSD	22.26	14.11	201.5	157.1	442.5	332.2	55.68	37.52
#1	.0032	.0480	.0002	.0002	.0005	.0004	-.0008	.0007
#2	.0023	.0393	.0000	.0000	-.0003	-.0011	-.0019	.0004

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	**.0015**	**.0006**	**.0002**	**.0000**	**.0004**	**.0007**	**.0001**	**-.0060**
Stddev	.0003	.0014	.0000	.0000	.0000	.0010	.0005	.0002
%RSD	21.42	242.8	3.027	27.99	1.229	140.7	454.0	3.163
#1	.0017	-.0004	.0002	.0000	.0004	.0014	.0005	-.0062
#2	.0013	.0016	.0002	.0000	.0004	.0000	-.0002	-.0059

Elem	Zn2062	Zr3391
Avg	**.0000**	**-.0002**
Stddev	.0001	.0006
%RSD	451.3	255.7
#1	-.0001	.0002
#2	.0001	-.0007

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/28/2013 1:36:59 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4134.6**	**118040.**	**11703.**
Stddev	27.9	889.	4.
%RSD	.67454	.75328	.03697
#1	4154.4	117410.	11706.
#2	4114.9	118670.	11700.

Zoom In Zoom Out

Sample Name: MC27377-1 Acquired: 12/28/2013 1:41:57 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0015**	**151.8**	**.0694**	**-.0199**	**.0075**	**.8827**	**.0076**	**75.48**	**.0013**
Stddev	.0001	2.3	.0007	.0012	.0001	.0097	.0002	.94	.0002
%RSD	7.027	1.492	1.068	5.889	.8308	1.103	2.996	1.244	12.97
#1	-.0016	150.2	.0689	-.0207	.0075	.8758	.0074	74.82	.0014
#2	-.0014	153.4	.0699	-.0191	.0074	.8896	.0077	76.15	.0012

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.1103**	**.3220**	**.2013**	F **240.5**	**46.94**	**70.60**	**4.612**	**.0120**	**3.997**
Stddev	.0011	.0143	.0111	3.9	.47	1.15	.193	.0001	.065
%RSD	.9602	4.432	5.523	1.631	1.012	1.624	4.174	.9859	1.621
#1	.1110	.3120	.1934	237.7	46.60	69.79	4.476	.0121	3.951
#2	.1095	.3321	.2091	243.3	47.28	71.41	4.748	.0120	4.043

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.1408**	**.1413**	**.0172**	**.0044**	**1.477**	**-.0001**	**.0021**	**7.148**	**-.0186**
Stddev	.0002	.0006	.0030	.0009	.002	.0003	.0014	.021	.0002
%RSD	.1190	.4122	17.65	20.32	.1265	221.0	64.45	.2919	1.149
#1	.1409	.1409	.0193	.0038	1.476	-.0003	.0012	7.163	-.0188
#2	.1406	.1417	.0150	.0051	1.478	.0001	.0031	7.133	-.0185

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.1382**	**12.40**	**-.0005**	**.4666**	**.0544**	**.5094**	**-.0068**
Stddev	.0021	.51	.0009	.0217	.0102	.0004	.0026
%RSD	1.494	4.139	181.7	4.653	18.83	.0754	38.51
#1	.1367	12.04	-.0012	.4513	.0472	.5091	-.0087
#2	.1396	12.77	.0001	.4820	.0616	.5097	-.0050

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4593.9**	**131560.**	**13490.**
Stddev	8.5	5809.	83.
%RSD	.18459	4.4153	.61613
#1	4587.9	135670.	13549.
#2	4599.9	127450.	13431.

Zoom In Zoom Out

Sample Name: MC27390-2 Acquired: 12/28/2013 1:46:58 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0003**	**52.66**	**.0134**	**-.0097**	**.0128**	**.2320**	**.0020**	**5.094**	**.0077**
Stddev	.0003	.55	.0006	.0006	.0001	.0008	.0000	.033	.0001
%RSD	113.4	1.037	4.306	5.957	.8831	.3607	.1809	.6520	1.755
#1	-.0001	53.04	.0138	-.0101	.0127	.2325	.0020	5.117	.0076
#2	-.0005	52.27	.0130	-.0092	.0128	.2314	.0021	5.070	.0078

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0571**	**.0709**	**.0798**	**82.47**	**6.209**	**15.73**	**2.919**	**.0017**	**1.942**
Stddev	.0009	.0005	.0002	.96	.040	.12	.014	.0001	.012
%RSD	1.627	.7150	.2664	1.158	.6386	.7543	.4719	4.021	.5955
#1	.0564	.0712	.0797	83.14	6.237	15.82	2.929	.0016	1.950
#2	.0577	.0705	.0800	81.79	6.181	15.65	2.910	.0017	1.934

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.1098**	**.0794**	**.0086**	**.0051**	**.1171**	**.0010**	**.0025**	**5.541**	**.0072**
Stddev	.0014	.0010	.0005	.0005	.0035	.0011	.0007	.056	.0003
%RSD	1.255	1.299	5.290	9.587	3.030	112.7	27.07	1.004	3.946
#1	.1088	.0787	.0089	.0048	.1146	.0018	.0030	5.580	.0070
#2	.1108	.0801	.0083	.0055	.1196	.0002	.0020	5.501	.0074

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0303**	**2.911**	**-.0005**	**.1091**	**.0125**	**.1674**	**-.0205**
Stddev	.0004	.005	.0008	.0001	.0039	.0019	.0005
%RSD	1.318	.1769	147.1	.0714	31.32	1.106	2.267
#1	.0306	2.915	-.0011	.1091	.0153	.1661	-.0209
#2	.0300	2.907	.0000	.1090	.0097	.1687	-.0202

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4449.4**	**128160.**	**12637.**
Stddev	45.9	43.	56.
%RSD	1.0321	.03386	.44190
#1	4481.9	128200.	12598.
#2	4417.0	128130.	12677.

Zoom In Zoom Out

Sample Name: MC27390-5 Acquired: 12/28/2013 1:51:51 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0009**	**56.08**	**.0164**	**-.0080**	**.0185**	**.1591**	**.0026**	**3.860**	**.0004**
Stddev	.0003	.07	.0014	.0008	.0002	.0000	.0000	.019	.0000
%RSD	28.48	.1337	8.497	9.634	.8823	.0035	.0552	.5004	2.213
#1	-.0007	56.03	.0154	-.0085	.0187	.1591	.0026	3.847	.0004
#2	-.0011	56.14	.0174	-.0075	.0184	.1591	.0026	3.874	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0396**	**.0734**	**.0627**	**86.16**	**5.545**	**15.53**	**2.449**	**.0007**	**1.052**
Stddev	.0005	.0014	.0004	.23	.035	.03	.021	.0001	.002
%RSD	1.260	1.866	.5690	.2671	.6311	.2178	.8773	11.24	.2242
#1	.0399	.0724	.0629	86.00	5.570	15.55	2.464	.0008	1.053
#2	.0392	.0744	.0624	86.32	5.521	15.51	2.434	.0007	1.050

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0823**	**.0393**	**.0084**	**.0036**	**.1089**	**.0003**	**.0025**	**5.701**	**.0040**
Stddev	.0008	.0004	.0002	.0021	.0012	.0006	.0004	.129	.0004
%RSD	.9965	1.058	2.254	58.00	1.128	164.3	15.55	2.259	9.926
#1	.0829	.0396	.0085	.0051	.1098	-.0001	.0023	5.792	.0042
#2	.0817	.0391	.0082	.0021	.1080	.0007	.0028	5.610	.0037

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0222**	**3.247**	**-.0018**	**.1242**	**.0178**	**.1390**	**-.0174**
Stddev	.0000	.014	.0001	.0000	.0037	.0007	.0002
%RSD	.2225	.4298	6.650	.0008	20.75	.5366	1.436
#1	.0222	3.257	-.0017	.1242	.0152	.1395	-.0175
#2	.0223	3.237	-.0019	.1242	.0205	.1385	-.0172

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4442.3**	**126490.**	**12473.**
Stddev	39.2	858.	33.
%RSD	.88337	.67815	.26545
#1	4414.6	125890.	12496.
#2	4470.0	127100.	12449.

Zoom In Zoom Out

Sample Name: MC27390-8 Acquired: 12/28/2013 1:56:43 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0008**	**43.76**	**.0123**	**-.0083**	**.0089**	**.1858**	**.0021**	**5.395**	**.0005**
Stddev	.0003	.12	.0003	.0010	.0001	.0003	.0000	.028	.0001
%RSD	39.33	.2646	2.507	11.99	.5949	.1473	.1327	.5250	13.49
#1	-.0006	43.84	.0121	-.0090	.0089	.1860	.0021	5.415	.0005
#2	-.0010	43.67	.0125	-.0076	.0088	.1856	.0021	5.375	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0544**	**.0671**	**.0622**	**82.87**	**5.332**	**15.54**	**2.303**	**.0005**	**1.038**
Stddev	.0004	.0005	.0002	.48	.027	.15	.004	.0001	.009
%RSD	.6505	.7822	.2493	.5813	.5123	.9893	.1565	14.77	.8256
#1	.0541	.0667	.0621	83.21	5.351	15.65	2.306	.0005	1.044
#2	.0546	.0674	.0623	82.53	5.312	15.43	2.301	.0006	1.032

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0931**	**.0314**	**.0078**	**.0039**	**.1190**	**.0002**	**.0023**	**4.078**	**.0070**
Stddev	.0004	.0011	.0010	.0022	.0017	.0004	.0005	.015	.0003
%RSD	.4682	3.389	13.27	55.21	1.414	197.4	23.25	.3753	4.107
#1	.0928	.0306	.0086	.0024	.1178	.0004	.0027	4.068	.0072
#2	.0934	.0321	.0071	.0054	.1201	-.0001	.0020	4.089	.0068

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0220**	**2.647**	**-.0012**	**.1043**	**.0092**	**.1379**	**-.0114**
Stddev	.0001	.010	.0010	.0003	.0049	.0007	.0004
%RSD	.4481	.3824	81.42	.2529	52.89	.5251	3.163
#1	.0220	2.655	-.0005	.1045	.0127	.1374	-.0111
#2	.0221	2.640	-.0019	.1042	.0058	.1384	-.0116

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4411.1**	**126030.**	**12360.**
Stddev	21.9	338.	122.
%RSD	.49688	.26813	.98724
#1	4426.6	125790.	12274.
#2	4395.6	126270.	12446.

Zoom In Zoom Out

Sample Name: MC27390-9 Acquired: 12/28/2013 2:01:37 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0002**	**40.49**	**.0111**	**-.0072**	**.0678**	**.1915**	**.0018**	**11.11**	**.0010**
Stddev	.0002	.43	.0012	.0002	.0005	.0011	.0000	.01	.0001
%RSD	74.20	1.072	10.40	2.798	.7019	.5782	.2643	.1124	8.447
#1	-.0001	40.18	.0103	-.0070	.0675	.1907	.0018	11.10	.0011
#2	-.0004	40.80	.0119	-.0073	.0681	.1923	.0018	11.12	.0010

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0557**	**.1500**	**.1287**	**103.9**	**5.213**	**20.57**	**1.497**	**.0097**	**.7020**
Stddev	.0006	.0002	.0001	.6	.038	.12	.001	.0000	.0099
%RSD	1.149	.1170	.1132	.6215	.7318	.5660	.0392	.2200	1.413
#1	.0552	.1501	.1286	103.4	5.186	20.49	1.497	.0097	.6949
#2	.0561	.1499	.1288	104.3	5.239	20.65	1.496	.0097	.7090

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.1564**	**.2964**	**.0104**	**.0011**	**.8254**	**.0005**	**.0016**	**5.233**	**.0098**
Stddev	.0004	.0012	.0004	.0002	.0058	.0005	.0009	.142	.0001
%RSD	.2679	.4030	3.507	15.51	.7025	108.3	53.65	2.718	1.143
#1	.1561	.2956	.0102	.0010	.8213	.0009	.0022	5.334	.0099
#2	.1567	.2973	.0107	.0012	.8295	.0001	.0010	5.133	.0098

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0385**	**3.133**	**-.0013**	**.1629**	**.0217**	**.4203**	**-.0064**
Stddev	.0003	.006	.0004	.0004	.0045	.0014	.0005
%RSD	.8175	.2052	28.63	.2554	20.90	.3408	8.083
#1	.0383	3.129	-.0016	.1632	.0185	.4192	-.0068
#2	.0387	3.138	-.0010	.1626	.0249	.4213	-.0061

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4399.8**	**125890.**	**12480.**
Stddev	21.4	129.	43.
%RSD	.48533	.10241	.34319
#1	4414.9	125800.	12450.
#2	4384.7	125980.	12511.

Zoom In Zoom Out

Sample Name: RINSECONF Acquired: 12/28/2013 2:06:27 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0005**	**-.0014**	**-.0005**	**.0014**	**-.0005**	**.0001**	**-.0001**	**-.0011**	**.0000**
Stddev	.0001	.0082	.0014	.0005	.0002	.0000	.0000	.0027	.000
%RSD	26.80	570.2	271.8	32.45	37.08	18.79	21.90	236.1	95.32
#1	-.0004	-.0073	-.0015	.0018	-.0004	.0001	-.0001	-.0030	-.0001
#2	-.0006	.0044	.0005	.0011	-.0006	.0001	-.0001	.0008	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**.0002**	**-.0002**	**.0121**	**-.5660**	**.0128**	**.0002**	**-.0004**	**.0368**
Stddev	.0001	.0000	.0001	.0034	.0099	.0045	.0001	.0001	.0006
%RSD	1454.	25.57	51.90	28.17	1.752	34.92	34.73	30.74	1.679
#1	.0001	.0002	-.0001	.0097	-.5590	.0097	.0001	-.0003	.0363
#2	-.0001	.0002	-.0002	.0145	-.5730	.0160	.0002	-.0005	.0372

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0001**	**.0000**	**.0006**	**.0016**	**-.0015**	**-.0002**	**-.0005**	**.0034**	**.0000**
Stddev	.0000	.0003	.0000	.0001	.0006	.0006	.0011	.0013	.000
%RSD	11.59	2287.	1.093	8.329	38.50	279.2	208.0	38.73	429.2
#1	-.0001	.0003	.0006	.0015	-.0019	-.0006	.0003	.0025	.0001
#2	-.0001	-.0002	.0006	.0017	-.0011	.0002	-.0013	.0044	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0001**	**.0009**	**-.0007**	**-.0001**	**-.0020**	**-.0001**	**-.0002**
Stddev	.0000	.0001	.0001	.0002	.0032	.0001	.0001
%RSD	19.89	6.630	10.33	181.9	154.8	86.91	62.73
#1	.0000	.0009	-.0006	.0000	-.0043	-.0001	-.0003
#2	-.0001	.0008	-.0007	-.0002	.0002	.0000	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4172.9**	**119650.**	**11759.**
Stddev	30.6	311.	55.
%RSD	.73233	.26013	.46600
#1	4194.5	119430.	11798.
#2	4151.2	119870.	11720.

Zoom In Zoom Out

Sample Name: RINSECONF Acquired: 12/28/2013 2:11:27 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0007**	**-.0065**	**-.0004**	**.0001**	**-.0003**	**.0000**	**-.0001**	**.0010**	**-.0001**
Stddev	.0003	.0039	.0012	.0005	.0001	.000	.0001	.0030	.0000
%RSD	36.20	59.36	330.8	631.7	37.62	23.25	97.21	291.1	8.321
#1	-.0006	-.0092	.0005	.0005	-.0002	.0000	-.0001	.0031	-.0001
#2	-.0009	-.0038	-.0012	-.0003	-.0004	.0000	.0000	-.0011	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0000**	**-.0001**	**-.0003**	**.0012**	**-.5802**	**.0019**	**.0000**	**-.0004**	**.0314**
Stddev	.0000	.0000	.0001	.0006	.0116	.0278	.000	.0000	.0058
%RSD	286.7	52.42	19.12	52.77	2.002	1432.	157.0	.9536	18.42
#1	.0000	-.0001	-.0004	.0017	-.5720	.0216	-.0001	-.0004	.0354
#2	.0000	.0000	-.0003	.0008	-.5884	-.0177	.0000	-.0004	.0273

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0001**	**-.0003**	**.0008**	**-.0009**	**-.0012**	**-.0003**	**-.0003**	**.0019**	**-.0002**
Stddev	.0001	.0003	.0001	.0016	.0020	.0002	.0004	.0000	.0000
%RSD	37.70	100.2	9.579	177.9	173.6	67.49	144.6	1.212	31.85
#1	-.0001	-.0005	.0007	-.0020	-.0026	-.0001	-.0006	.0020	-.0002
#2	-.0002	-.0001	.0008	.0002	.0003	-.0004	.0000	.0019	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**-.0001**	**.0005**	**-.0008**	**-.0005**	**-.0022**	**-.0002**	**-.0005**
Stddev	.0000	.0002	.0005	.0007	.0003	.0000	.0003
%RSD	15.15	33.27	63.37	138.1	11.64	19.21	64.55
#1	-.0001	.0006	-.0004	-.0010	-.0024	-.0002	-.0007
#2	-.0001	.0004	-.0011	.0000	-.0020	-.0002	-.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4122.3**	**119800.**	**11779.**
Stddev	35.3	289.	77.
%RSD	.85699	.24130	.65617
#1	4097.3	120000.	11724.
#2	4147.3	119590.	11833.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 12/28/2013 2:16:26 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.0047**	**.2169**	**.0104**	**.0003**	**.1039**	**.0508**	**.0040**	**5.080**	**.0041**
Stddev	.0000	.0035	.0001	.0001	.0002	.0001	.0000	.005	.0000
%RSD	.7721	1.630	1.229	21.28	.1990	.1588	.1922	.1078	.1524
#1	.0047	.2194	.0103	.0003	.1040	.0509	.0040	5.084	.0041
#2	.0048	.2144	.0105	.0002	.1038	.0508	.0040	5.077	.0041

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0558**	**.0101**	**.0244**	**.1069**	**4.662**	**4.973**	**.0156**	**.1070**	**5.303**
Stddev	.0002	.0002	.0001	.0001	.007	.016	.0001	.0002	.002
%RSD	.3315	1.657	.5674	.0494	.1610	.3226	.4322	.2216	.0326
#1	.0559	.0102	.0245	.1068	4.657	4.962	.0155	.1072	5.305
#2	.0557	.0100	.0243	.1069	4.668	4.985	.0156	.1068	5.302

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.0414**	**.0102**	**.0011**	**.0016**	**-.0018**	**.0116**	**.0108**	**.0069**	**.1028**
Stddev	.0001	.0002	.0000	.0036	.0020	.0002	.0001	.0007	.0001
%RSD	.2276	2.293	.7586	220.4	111.4	1.680	.8385	9.552	.0848
#1	.0415	.0104	.0011	-.0009	-.0032	.0114	.0109	.0065	.1029
#2	.0414	.0100	.0011	.0042	-.0004	.0117	.0108	.0074	.1028

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0105**	**.0524**	**.0093**	**.0105**	**-.0039**	**.0205**	**.0027**
Stddev	.0000	.0006	.0003	.0001	.0004	.0000	.0000
%RSD	.4591	1.130	3.033	1.134	10.30	.0757	.9295
#1	.0105	.0520	.0091	.0104	-.0041	.0205	.0026
#2	.0104	.0528	.0095	.0106	-.0036	.0205	.0027

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4185.9**	**118710.**	**11761.**
Stddev	25.8	389.	28.
%RSD	.61741	.32791	.24195
#1	4167.6	118990.	11781.
#2	4204.1	118440.	11740.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/28/2013 2:21:21 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**-.0005**	**546.8**	**.0026**	**-.0123**	**-.0003**	**-.0001**	**.0000**	**469.0**	**.0002**
Stddev	.0000	4.4	.0026	.0008	.0004	.0000	.0000	.3	.0000
%RSD	7.522	.8009	100.7	6.329	113.8	30.08	85.17	.0570	.7582
#1	-.0005	543.7	.0007	-.0129	-.0006	-.0001	.0000	469.1	.0002
#2	-.0004	549.9	.0044	-.0118	-.0001	-.0001	.0000	468.8	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.0011**	**-.0003**	**.0006**	**193.3**	**-.4545**	**525.3**	**-.0002**	**-.0034**	**.0699**
Stddev	.0000	.0000	.0004	.9	.0053	2.7	.0001	.0001	.0004
%RSD	2.975	2.037	66.66	.4409	1.163	.5078	40.80	1.944	.6180
#1	.0010	-.0003	.0009	193.9	-.4582	527.2	-.0002	-.0035	.0702
#2	.0011	-.0003	.0003	192.7	-.4507	523.5	-.0001	-.0034	.0696

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**-.0019**	**-.0011**	**-.0042**	**-.0007**	**-.0204**	**.0000**	**.0003**	**.0429**	**-.0019**
Stddev	.0001	.0003	.0008	.0007	.0029	.0011	.0010	.0005	.0005
%RSD	2.832	26.06	19.93	106.9	14.44	2435.	338.2	1.221	25.32
#1	-.0020	-.0009	-.0036	-.0002	-.0225	.0008	-.0004	.0433	-.0016
#2	-.0019	-.0013	-.0048	-.0011	-.0183	-.0007	.0010	.0425	-.0023

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**.0013**	**.0053**	**-.0004**	**.0004**	**-.0054**	**-.0011**	**.0061**
Stddev	.0001	.0000	.0004	.0003	.0051	.0002	.0001
%RSD	4.344	.3965	102.4	91.53	94.35	19.37	1.339
#1	.0013	.0053	-.0001	.0006	-.0018	-.0013	.0061
#2	.0013	.0053	-.0007	.0001	-.0090	-.0010	.0062

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3809.6**	**109620.**	**11171.**
Stddev	14.7	282.	68.
%RSD	.38656	.25747	.60857
#1	3799.2	109420.	11123.
#2	3820.0	109820.	11219.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/28/2013 2:26:23 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**1.072**	**544.9**	**2.054**	**.4739**	**.9918**	**.5254**	**.4747**	**469.2**	**1.001**
Stddev	.006	3.4	.010	.0033	.0004	.0004	.0025	2.2	.000
%RSD	.5593	.6149	.4742	.7007	.0441	.0691	.5223	.4777	.0011
#1	1.068	547.2	2.061	.4762	.9921	.5256	.4764	470.7	1.001
#2	1.076	542.5	2.047	.4715	.9915	.5251	.4729	467.6	1.001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**.4875**	**.4654**	**.5073**	**195.0**	**-.4821**	**529.8**	**.4758**	**.9672**	**.0664**
Stddev	.0003	.0006	.0001	.5	.0324	5.3	.0018	.0019	.0055
%RSD	.0690	.1297	.0109	.2386	6.719	.9924	.3815	.1968	8.214
#1	.4872	.4650	.5073	195.3	-.5050	533.5	.4771	.9658	.0703
#2	.4877	.4659	.5072	194.6	-.4592	526.1	.4745	.9685	.0626

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**.8581**	**.8650**	**.5132**	**.5074**	**.4541**	**2.119**	**2.068**	**2.153**	**.9386**
Stddev	.0003	.0003	.0016	.0049	.0029	.003	.007	.000	.0002
%RSD	.0357	.0302	.3063	.9693	.6277	.1283	.3224	.0189	.0212
#1	.8579	.8648	.5121	.5109	.4521	2.120	2.073	2.153	.9384
#2	.8583	.8651	.5143	.5040	.4561	2.117	2.063	2.153	.9387

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**1.050**	**.5002**	**1.750**	**.5003**	**1.836**	**.8776**	**.4215**
Stddev	.005	.0015	.003	.0000	.002	.0018	.0011
%RSD	.4955	.3033	.1769	.0028	.1297	.2055	.2615
#1	1.054	.5013	1.748	.5003	1.834	.8763	.4208
#2	1.046	.4991	1.752	.5003	1.838	.8789	.4223

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**3804.9**	**108800.**	**11087.**
Stddev	4.7	379.	75.
%RSD	.12450	.34790	.67780
#1	3801.6	108530.	11034.
#2	3808.3	109070.	11140.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/28/2013 2:31:19 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	**.2569**	**10.22**	**1.935**	**-.0044**	**2.041**	**2.033**	**2.002**	**10.23**	**2.008**
Stddev	.0003	.04	.005	.0000	.008	.010	.006	.01	.010
%RSD	.1291	.3812	.2588	.6635	.3728	.4940	.2878	.0836	.4785
#1	.2571	10.24	1.938	-.0045	2.047	2.026	2.006	10.23	2.015
#2	.2566	10.19	1.931	-.0044	2.036	2.040	1.998	10.24	2.001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	**2.164**	**2.017**	**1.983**	**10.32**	**9.775**	**10.09**	**2.041**	**2.075**	**10.39**
Stddev	.013	.003	.002	.02	.016	.02	.010	.006	.00
%RSD	.5921	.1632	.0796	.2360	.1653	.1627	.4687	.2966	.0084
#1	2.173	2.020	1.982	10.34	9.763	10.10	2.048	2.080	10.39
#2	2.154	2.015	1.984	10.31	9.786	10.08	2.034	2.071	10.39

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	**2.008**	**2.004**	**.0010**	**.0040**	**-.0108**	**2.074**	**2.084**	**-.0498**	**2.070**
Stddev	.010	.010	.0011	.0011	.0005	.010	.005	.0004	.011
%RSD	.4860	.4928	114.1	28.43	5.011	.4865	.2612	.8908	.5103
#1	2.015	2.011	.0018	.0032	-.0111	2.081	2.088	-.0501	2.077
#2	2.001	1.997	.0002	.0049	-.0104	2.067	2.080	-.0495	2.062

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	**2.105**	**2.054**	**2.007**	**2.047**	**-.0011**	**1.974**	**.0729**
Stddev	.002	.014	.004	.014	.0024	.010	.0155
%RSD	.1014	.7021	.2134	.6862	228.6	.4925	21.32
#1	2.107	2.065	2.010	2.057	.0006	1.981	.0839
#2	2.104	2.044	2.004	2.037	-.0028	1.968	.0619

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4194.7**	**119560.**	**11692.**
Stddev	14.3	45.	5.
%RSD	.33989	.03765	.04058
#1	4184.6	119530.	11695.
#2	4204.8	119590.	11688.

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/28/2013 2:36:06 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	**-.0004**	**.0104**	**.0019**	**.0000**	**.0006**	**.0001**	**.0001**	**.0090**
Stddev	.0004	.0052	.0000	.000	.0001	.0002	.0001	.0023
%RSD	91.88	50.08	.4609	2005.	16.16	225.0	84.70	25.91
#1	-.0001	.0067	.0019	-.0003	.0006	-.0001	.0001	.0107
#2	-.0006	.0141	.0019	.0003	.0005	.0002	.0000	.0074

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	**.0002**	**.0001**	**.0003**	**-.0001**	**.0033**	F **-.5764**	**.0191**	**.0000**
Stddev	.0000	.0000	.0001	.0004	.0003	.0299	.0071	.0001
%RSD	18.54	16.26	46.61	354.2	8.614	5.184	37.50	180.8
#1	.0002	.0001	.0004	-.0004	.0031	-.5976	.0140	.0000
#2	.0002	.0001	.0002	.0002	.0035	-.5553	.0241	.0001

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	**.0031**	**.0402**	**.0001**	**.0003**	**.0008**	**.0008**	**-.0034**	**.0005**
Stddev	.0007	.0000	.0002	.0009	.0010	.0016	.0003	.0001
%RSD	21.55	.0022	204.9	291.9	135.2	193.4	9.067	17.84
#1	.0036	.0402	.0000	-.0003	.0000	.0019	-.0032	.0005
#2	.0027	.0402	.0002	.0010	.0015	-.0003	-.0036	.0006

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	**-.0001**	**-.0024**	**.0002**	**.0001**	**.0004**	**.0015**	**.0000**	**.0001**
Stddev	.0009	.0000	.0002	.0000	.0001	.0001	.001	.0000
%RSD	987.5	1.512	72.18	36.60	37.89	7.014	2341.	56.68
#1	-.0007	-.0025	.0001	.0001	.0005	.0015	.0004	.0000
#2	.0006	-.0024	.0004	.0001	.0003	.0014	-.0004	.0001

Elem	Zn2062	Zr3391
Avg	**.0001**	**-.0002**
Stddev	.0000	.0001
%RSD	4.721	32.18
#1	.0001	-.0003
#2	.0001	-.0002

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/28/2013 2:36:06 Type: Unk
Method: Accutest -SS1 with S(v302) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	**4190.7**	**119220.**	**11832.**
Stddev	5.6	343.	90.
%RSD	.13419	.28731	.76260
#1	4186.7	119460.	11896.
#2	4194.7	118970.	11768.

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	0.000004	0.000000	No
			Co	0.000007	0.000000	No
			Mn	0.000117	0.000000	No
			Mo	-0.000064	0.000000	No
			Cu	0.000004	0.000000	No
			Ti	-0.000067	0.000000	No
			Al	-0.000001	0.000000	No
			Zr	0.005523	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.000569	0.000000	No
			Mo	0.043174	0.000000	No
			Ca	0.000712	0.000000	No
As 189.042 {479}	☒	10	V	0.000025	0.000000	No
			Al	0.000010	0.000000	No
			Mo	0.000070	0.000000	No
			Fe	0.000004	0.000000	No
			Mn	-0.000152	0.000000	No
			Ca	0.000004	0.000000	No
			Mg	-0.000001	0.000000	No
			Cr	0.000799	0.000000	No
			Na	-0.000003	0.000000	No
			Co	-0.002480	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000260	0.000000	No
			Mn	0.011376	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.046461	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000009	0.000000	No
Be 313.042 {108}	☒	3	V	0.000301	0.000000	No
			Mo	-0.000020	0.000000	No
			Ti	-0.000363	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	4	Ni	-0.000027	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000016	0.000000	No
			Ca	0.000003	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000066	0.000000	No
			Mo	-0.000045	0.000000	No
			Ti	0.002043	0.000000	No
			Ca	0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000002	0.000000	No
			Mn	0.000203	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000085	0.000000	No
			V	-0.000112	0.000000	No
			Mo	-0.000003	0.000000	No
			Co	-0.000511	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000600	0.000000	No
			Co	-0.000015	0.000000	No
			Cr	0.000162	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000003	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000578	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Al	0.000598	0.000000	No
Ni 231.604 {446}	☒	3	Mo	-0.000403	0.000000	No
			Fe	0.000016	0.000000	No
			Ca	-0.000000	0.000000	No
Pb 220.353 {453}	☒	11	Al	-0.000073	0.000000	No
			Mn	0.000082	0.000000	No
			Mo	-0.001214	0.000000	No
			Co	0.000025	0.000000	No
			Cu	0.000067	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	0.000046	0.000000	No
			Mg	0.000001	0.000000	No
			Ni	0.000265	0.000000	No
			Si	0.000030	0.000000	No
			Ti	-0.000187	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000342	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.006177	0.000000	No
			Ni	0.000902	0.000000	No
			Mn	-0.006783	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
S 182.034 {485}	☒	3	Al	-0.000108	0.000000	No
			Ca	-0.000041	0.000000	No
			Fe	0.000494	0.000000	No
Sb 206.833 {463}	☒	11	Al	0.000006	0.000000	No
			Fe	0.000003	0.000000	No
			Cr	0.007253	0.000000	No
			Mo	0.000117	0.000000	No
			Mg	0.000001	0.000000	No
			Ni	-0.000000	0.000000	No
			V	-0.001431	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000669	0.000000	No
			Cu	0.000062	0.000000	No
			Sn	-0.009353	0.000000	No
Se 196.090 {472}	☒	7	Al	-0.000001	0.000000	No
			Fe	-0.000311	0.000000	No
			Mn	0.000466	0.000000	No
			Mo	0.000211	0.000000	No
			Ca	-0.000005	0.000000	No
			Na	-0.000001	0.000000	No
			Co	-0.000789	0.000000	No
Si 212.412 {459}	☒	3	V	0.030413	0.000000	No
			Ti	0.006483	0.000000	No
			Mo	0.042611	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000002	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.001100	0.000000	No
			Cr	0.000136	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				V	-0.015212	0.000000	No
				Co	0.004110	0.000000	No
				Al	-0.000003	0.000000	No
				Fe	0.000002	0.000000	No
				Ti	-0.000917	0.000000	No
				Mo	-0.000063	0.000000	No
				Ca	-0.000006	0.000000	No
				Na	-0.000002	0.000000	No
	V 292.402 {115}	☒	3	Ti	0.000445	0.000000	No
				Mo	-0.003706	0.000000	No
				Fe	0.000018	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000141	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000003	0.000000	No
				Mn	0.000018	0.000000	No
				Ni	0.000039	0.000000	No
				Cr	-0.000497	0.000000	No
				Mo	0.000207	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000006	0.000000	No
				Na	0.000004	0.000000	No
	Zr 339.198 { 99}	☒	5	Si	0.005567	0.000000	No
				Ti	0.000761	0.000000	No
				Fe	0.000014	0.000000	No
				Sn	0.002851	0.000000	No
				V	0.002032	0.000000	No

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 12/30/2013 11:49:06 Type: Cal
Method: Accutest -SS2 with S(v282) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0022	.0008	-.0001	-.0001	.0012	.0628	.0000	.0029	.0026
Stddev	.0000	.0002	.0002	.0000	.0003	.0002	.0001	.0001	.0001
%RSD	.2799	24.89	345.2	13.32	23.95	.2625	483.0	3.214	3.658
#1	-.0022	.0006	-.0002	-.0001	.0014	.0627	.0001	.0028	.0026
#2	-.0022	.0009	.0001	-.0001	.0010	.0629	-.0001	.0030	.0025

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0003	.0000	.0117	.0003	-.0010	-.0001	.0003	.0001	.0010
Stddev	.0001	.0000	.0001	.0000	.0005	.0000	.0000	.0001	.0002
%RSD	29.47	79.04	.6198	2.845	46.59	28.09	9.912	76.49	18.45
#1	-.0003	.0000	.0117	.0003	-.0007	-.0001	.0004	.0000	.0009
#2	-.0004	.0000	.0116	.0003	-.0014	-.0001	.0003	.0001	.0011

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0004	-.0003	.0000	.0000	.0032	.0002	.0006	.0232	-.0002
Stddev	.0002	.0000	.000	.0000	.0000	.0003	.0002	.0001	.0001
%RSD	48.89	11.46	541.0	239.1	1.343	160.9	33.61	.4946	33.10
#1	-.0003	-.0002	.0000	.0000	.0033	.0000	.0007	.0233	-.0002
#2	-.0005	-.0003	-.0001	.0000	.0032	.0004	.0004	.0231	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0063	-.0004	-.0011	-.0001	.0001	-.0009	.0217
Stddev	.0001	.0001	.0002	.0001	.0001	.0004	.0000
%RSD	2.108	22.04	16.61	167.8	69.58	47.97	.1449
#1	.0064	-.0003	-.0010	.0000	.0002	-.0006	.0217
#2	.0062	-.0004	-.0013	-.0002	.0001	-.0012	.0218

◀ Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 12/30/2013 11:49:06 Type: Cal
Method: Accutest -SS2 with S(v282) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1336.8	55499.	16890.
Stddev	2.5	32.	8.
%RSD	.18748	.05754	.04476
#1	1335.0	55476.	16885.
#2	1338.5	55522.	16896.

Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 12/30/2013 11:54:02 Type: Cal
Method: Accutest -SS2 with S(v282) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1374	.5665	2.468	18.08	14.13	11.01	9.153	.7003	2.255	4.157
Stddev	.0003	.0006	.004	.14	.06	.02	.019	.0003	.001	.007
%RSD	.2217	.1140	.1808	.7642	.4004	.1948	.2104	.0460	.0469	.1584
#1	.1377	.5669	2.471	18.18	14.17	11.02	9.166	.7006	2.254	4.162
#2	.1372	.5660	2.465	17.98	14.09	10.99	9.139	.7001	2.256	4.152

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8.435	5.809	2.812	1.895	.8458	1.167	7.983
Stddev	.006	.013	.004	.004	.0029	.003	.030
%RSD	.0675	.2241	.1580	.2178	.3474	.2512	.3765
#1	8.439	5.818	2.816	1.898	.8479	1.169	8.004
#2	8.431	5.800	2.809	1.892	.8438	1.165	7.962

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1318.8	55586.	16883.
Stddev	3.7	62.	81.
%RSD	.27836	.11108	.48125
#1	1316.2	55543.	16825.
#2	1321.4	55630.	16940.

◀ Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 12/30/2013 11:58:54 Type: Cal
Method: Accutest -SS2 with S(v282) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.447	1.976	1.363	.8104	.1356	2.988
Stddev	.003	.004	.000	.0002	.0003	.003
%RSD	.1735	.2132	.0267	.0249	.2260	.0825
#1	1.449	1.979	1.363	.8106	.1358	2.990
#2	1.445	1.973	1.363	.8103	.1354	2.986

Int. Std.	Y_3710
Units	Cts/S
Avg	17060.
Stddev	36.
%RSD	.21015
#1	17035.
#2	17086.

Zoom In Zoom Out

Sample Name: Std4 Acquired: 12/30/2013 12:03:49 Type: Cal
Method: Accutest -SS2 with S(v282) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	S_1820	Si2124	Sn1899	Sr4077	Ti3349	V_2924	W_2397
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2579	.5142	.0717	.7152	2.600	1.606	31.96	1.293	1.073	.0558
Stddev	.0001	.0001	.0002	.0016	.006	.005	.04	.001	.001	.0001
%RSD	.0203	.0124	.2321	.2180	.2414	.3005	.1134	.0461	.0624	.2311
#1	.2580	.5142	.0718	.7141	2.596	1.603	31.99	1.293	1.074	.0557
#2	.2579	.5143	.0715	.7163	2.604	1.610	31.94	1.294	1.073	.0559

Elem	Zr3391
Units	Cts/S
Avg	3.043
Stddev	.002
%RSD	.0656
#1	3.044
#2	3.042

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1344.5	55518.	16963.
Stddev	.1	212.	48.
%RSD	.00610	.38115	.28269
#1	1344.6	55368.	16929.
#2	1344.5	55667.	16996.

Zoom In Zoom Out

Sample Name: ICV Acquired: 12/30/2013 12:08:46 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.5441	15.65	3.085	2.930	3.013	2.996	2.995	17.63	2.914	3.048
Stddev	.0021	.00	.003	.000	.008	.007	.009	.03	.004	.005
%RSD	.3771	.0228	.0964	.0073	.2674	.2259	.2985	.1815	.1466	.1721
#1	.5427	15.65	3.087	2.930	3.008	2.992	2.989	17.61	2.911	3.044
#2	.5456	15.65	3.083	2.930	3.019	3.001	3.002	17.66	2.917	3.051

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	3.014	3.030	17.95	15.05	18.12	3.000	2.913	14.98	2.919	2.904
Stddev	.006	.004	.01	.02	.12	.001	.005	.02	.005	.004
%RSD	.2169	.1229	.0300	.1277	.6728	.0273	.1825	.1154	.1788	.1197
#1	3.010	3.027	17.95	15.04	18.03	2.999	2.909	14.97	2.915	2.902
#2	3.019	3.033	17.96	15.07	18.21	3.001	2.917	14.99	2.922	2.907

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	2.985	2.965	2.973	2.929	2.954	2.999	3.151	3.060	3.001	2.915
Stddev	.006	.006	.003	.009	.006	.008	.004	.012	.003	.003
%RSD	.2076	.1977	.0843	.3257	.1927	.2737	.1401	.3798	.0891	.0895
#1	2.981	2.969	2.972	2.922	2.950	2.993	3.148	3.069	2.999	2.913
#2	2.990	2.961	2.975	2.936	2.958	3.005	3.154	3.052	3.003	2.917

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	2.954	2.889	2.932	3.052
Stddev	.005	.010	.002	.000
%RSD	.1761	.3361	.0688	.0139
#1	2.951	2.882	2.931	3.052
#2	2.958	2.896	2.934	3.052

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1336.9	55246.	16975.
Stddev	2.0	100.	36.
%RSD	.15282	.18093	.20920
#1	1338.4	55317.	17000.
#2	1335.5	55175.	16950.

Zoom In Zoom Out

Sample Name: ICB Acquired: 12/30/2013 12:16:09 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	.0060	.0008	.0030	.0024	.0013	.0011	.0101	.0004	.0003
Stddev	.0002	.0017	.0000	.0008	.0005	.0001	.0001	.0011	.0001	.0000
%RSD	167.6	28.86	1.711	26.24	19.14	9.673	6.205	11.39	30.73	15.91
#1	.0000	.0048	.0008	.0035	.0027	.0012	.0010	.0109	.0004	.0003
#2	.0003	.0072	.0008	.0024	.0021	.0014	.0011	.0093	.0003	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0009	.0004	.0071	.0088	.0113	.0010	.0015	.0134	.0004	.0003
Stddev	.0001	.0001	.0013	.0228	.0160	.0001	.0001	.0097	.0000	.0000
%RSD	8.999	36.23	18.51	259.6	141.6	5.910	7.016	72.22	.3648	18.59
#1	.0010	.0005	.0062	-.0073	.0000	.0010	.0016	.0066	.0004	.0003
#2	.0009	.0003	.0080	.0249	.0227	.0009	.0015	.0203	.0004	.0002

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0019	-.0017	-.0028	.0001	.0017	.0022	.0001	.0015	.0015	-.0001
Stddev	.0001	.0007	.0016	.0003	.0007	.0011	.0005	.0001	.0001	.0001
%RSD	2.784	42.28	57.35	215.9	44.09	51.91	417.2	3.964	3.675	75.54
#1	.0020	-.0022	-.0017	.0004	.0012	.0030	-.0002	.0014	.0016	-.0001
#2	.0019	-.0012	-.0039	-.0001	.0022	.0014	.0005	.0015	.0015	-.0002

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0013	.0092	.0006	.0012
Stddev	.0001	.0023	.0001	.0001
%RSD	8.225	24.89	18.58	5.669
#1	.0014	.0108	.0006	.0011
#2	.0013	.0075	.0005	.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1347.5	55622.	16875.
Stddev	3.0	82.	45.
%RSD	.21965	.14700	.26553
#1	1349.6	55679.	16907.
#2	1345.4	55564.	16844.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/30/2013 12:21:05 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2769	9.821	1.964	-.0004	1.974	1.962	2.002	9.892	1.963	2.057
Stddev	.0010	.000	.003	.0007	.004	.003	.005	.045	.004	.003
%RSD	.3432	.0045	.1473	193.1	.2137	.1319	.2360	.4578	.2003	.1619
#1	.2762	9.821	1.962	.0001	1.971	1.964	2.005	9.924	1.960	2.055
#2	.2776	9.820	1.966	-.0009	1.977	1.960	1.999	9.860	1.966	2.060

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.002	1.983	9.845	9.871	9.905	2.012	1.964	9.799	1.964	1.950
Stddev	.009	.004	.015	.012	.052	.005	.003	.006	.005	.002
%RSD	.4268	.2160	.1547	.1234	.5222	.2663	.1677	.0653	.2318	.0910
#1	1.996	1.980	9.834	9.880	9.941	2.008	1.962	9.794	1.961	1.949
#2	2.008	1.986	9.855	9.863	9.868	2.015	1.966	9.803	1.967	1.952

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0013	.0077	-.0091	1.966	1.957	-.0204	1.973	2.000	1.987	1.955
Stddev	.0003	.0014	.0009	.004	.000	.0009	.004	.006	.003	.001
%RSD	20.62	17.90	10.07	.1942	.0007	4.436	.2141	.3267	.1273	.0591
#1	.0015	.0087	-.0085	1.964	1.957	-.0210	1.970	1.995	1.985	1.956
#2	.0011	.0068	-.0098	1.969	1.957	-.0197	1.976	2.004	1.989	1.954

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.986	.0039	1.959	.0090
Stddev	.004	.0038	.003	.0015
%RSD	.2028	99.63	.1334	16.44
#1	1.983	.0011	1.957	.0101
#2	1.989	.0066	1.960	.0080

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1348.4	55472.	17145.
Stddev	2.0	183.	22.
%RSD	.14797	.32925	.12992
#1	1349.8	55601.	17130.
#2	1347.0	55342.	17161.

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/30/2013 12:38:53 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0007	.0016	.0001	.0013	.0001	.0002	.0037	.0000	.0002
Stddev	.0002	.0002	.0004	.0005	.0001	.0000	.0001	.0000	.0000	.0001
%RSD	78.13	27.00	24.38	504.2	6.635	1.744	35.02	.4193	86.38	38.13
#1	.0003	.0005	.0013	.0004	.0012	.0001	.0002	.0037	.0001	.0002
#2	.0001	.0008	.0018	-.0002	.0014	.0001	.0003	.0037	.0000	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0004	.0002	.0018	-.0192	.0106	.0001	.0004	.0037	.0001	.0005
Stddev	.0003	.0003	.0001	.0252	.0123	.0001	.0001	.0001	.0000	.0006
%RSD	97.44	207.4	3.393	131.5	115.5	64.12	37.50	2.734	6.517	123.8
#1	.0006	-.0001	.0017	-.0370	.0019	.0002	.0005	.0036	.0001	.0009
#2	.0001	.0004	.0018	-.0013	.0193	.0001	.0003	.0037	.0001	.0001

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0002	-.0014	-.0046	.0004	.0000	.0005	.0005	.0001	.0005	-.0008
Stddev	.0000	.0013	.0007	.0006	.0001	.0000	.0001	.0000	.0002	.0000
%RSD	20.70	91.46	15.36	152.0	978.1	1.855	21.38	22.57	38.73	.5869
#1	-.0002	-.0005	-.0051	.0008	.0001	.0005	.0004	.0001	.0004	-.0008
#2	-.0001	-.0023	-.0041	.0000	.0000	.0005	.0006	.0002	.0007	-.0008

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0004	.0017	.0001	-.0008
Stddev	.0002	.0030	.0001	.0001
%RSD	43.90	175.0	125.1	9.483
#1	.0003	-.0004	.0002	-.0009
#2	.0005	.0039	.0000	-.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1343.1	56641.	17087.
Stddev	5.9	358.	48.
%RSD	.44280	.63118	.28139
#1	1347.3	56894.	17053.
#2	1338.8	56389.	17121.

Zoom In Zoom Out

Sample Name: CRIB Acquired: 12/30/2013 12:43:55 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0060	.2054	.0111	-.0008	.1037	.5091	.0042	5.011	.0042	.0541
Stddev	.0005	.0056	.0001	.0004	.0004	.0003	.0000	.013	.0000	.0002
%RSD	8.002	2.721	.8722	57.07	.3793	.0552	1.137	.2537	.5366	.3394
#1	.0063	.2094	.0110	-.0004	.1040	.5089	.0041	5.002	.0042	.0540
#2	.0056	.2015	.0112	-.0011	.1034	.5092	.0042	5.020	.0042	.0542

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0103	.0258	.1034	4.919	4.938	.0155	.1030	4.970	.0413	.0098
Stddev	.0005	.0001	.0007	.061	.035	.0001	.0001	.003	.0002	.0009
%RSD	5.278	.5476	.6386	1.248	.7050	.3231	.1404	.0578	.3763	8.763
#1	.0099	.0257	.1030	4.876	4.962	.0155	.1031	4.968	.0412	.0104
#2	.0107	.0259	.1039	4.963	4.913	.0155	.1029	4.972	.0414	.0092

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0003	.0027	-.0027	.0066	.0261	.0065	.0994	.0102	.0511	.0041
Stddev	.0004	.0028	.0002	.0008	.0012	.0007	.0001	.0001	.0001	.0007
%RSD	121.0	102.3	6.649	11.32	4.739	10.75	.1335	1.456	.2292	16.00
#1	.0006	.0047	-.0026	.0072	.0270	.0070	.0993	.0101	.0512	.0037
#2	.0000	.0008	-.0028	.0061	.0253	.0061	.0995	.0103	.0510	.0046

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0106	.0022	.1106	-.0003
Stddev	.0000	.0023	.0006	.0002
%RSD	.2507	106.8	.5075	55.48
#1	.0106	.0038	.1110	-.0004
#2	.0107	.0005	.1102	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1343.1	56196.	16901.
Stddev	.5	72.	86.
%RSD	.03895	.12834	.50960
#1	1342.8	56247.	16840.
#2	1343.5	56145.	16962.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/30/2013 12:48:46 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	534.9	.0023	.0014	.0002	-.0011	.0000	456.6	.0016	.0017
Stddev	.0007	5.2	.0019	.0005	.0005	.0001	.000	4.2	.0002	.0004
%RSD	789.1	.9649	81.13	33.66	310.0	10.13	1196.	.9205	11.71	21.13
#1	-.0006	531.2	.0037	.0017	-.0002	-.0012	.0000	459.6	.0017	.0020
#2	.0004	538.5	.0010	.0011	.0005	-.0010	.0000	453.7	.0014	.0015

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0016	.0006	181.9	.0252	518.9	.0001	-.0012	.0205	.0024	.0038
Stddev	.0000	.0003	.2	.0167	.8	.0000	.0004	.0066	.0001	.0001
%RSD	.0256	46.20	.1335	66.05	.1498	27.04	32.24	32.44	4.215	3.041
#1	-.0016	.0009	182.0	.0370	519.5	.0002	-.0015	.0252	.0024	.0037
#2	-.0016	.0004	181.7	.0135	518.4	.0001	-.0009	.0158	.0023	.0039

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0169	-.0265	.0811	.0011	.0009	.0461	-.0008	-.0078	.0057	-.0003
Stddev	.0007	.0034	.0006	.0012	.0006	.0001	.0012	.0001	.0003	.0004
%RSD	4.259	12.83	.7621	109.7	69.75	.1677	159.0	1.591	5.292	151.2
#1	-.0164	-.0241	.0816	.0002	.0014	.0460	.0001	-.0079	.0059	-.0006
#2	-.0174	-.0289	.0807	.0019	.0005	.0461	-.0016	-.0077	.0055	.0000

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0002	-.0151	-.0001	.0034
Stddev	.0000	.0037	.0002	.0003
%RSD	7.953	24.42	410.9	8.032
#1	-.0002	-.0125	-.0002	.0036
#2	-.0002	-.0177	.0001	.0032

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1230.2	52011.	16639.
Stddev	1.6	306.	53.
%RSD	.13190	.58928	.32042
#1	1229.0	51794.	16601.
#2	1231.3	52227.	16677.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/30/2013 12:53:46 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.144	521.5	2.151	.4796	.9912	.4879	.4645	452.0	1.007	.4885
Stddev	.003	5.0	.011	.0006	.0009	.0005	.0008	1.3	.004	.0029
%RSD	.2538	.9597	.4936	.1156	.0939	.1017	.1802	.2956	.3913	.5917
#1	1.141	517.9	2.144	.4792	.9906	.4883	.4639	451.1	1.004	.4864
#2	1.146	525.0	2.159	.4800	.9919	.4876	.4651	453.0	1.010	.4905

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4716	.5318	181.0	.0290	516.9	.4817	.9523	.0354	.8790	.9009
Stddev	.0002	.0018	.1	.0116	.6	.0017	.0047	.0024	.0034	.0031
%RSD	.0459	.3340	.0602	39.95	.1204	.3472	.4960	6.781	.3821	.3428
#1	.4714	.5305	180.9	.0208	517.3	.4805	.9490	.0371	.8767	.8987
#2	.4717	.5330	181.0	.0372	516.4	.4829	.9556	.0337	.8814	.9031

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.5124	.4751	.5602	2.057	2.000	2.160	.9592	.9623	.5013	1.797
Stddev	.0010	.0010	.0030	.008	.006	.011	.0043	.0003	.0030	.006
%RSD	.1886	.2079	.5299	.3951	.3235	.4888	.4509	.0309	.5936	.3237
#1	.5118	.4744	.5581	2.052	1.995	2.152	.9561	.9621	.5034	1.793
#2	.5131	.4758	.5623	2.063	2.005	2.167	.9623	.9625	.4992	1.801

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.4962	1.868	.9039	.4107
Stddev	.0036	.021	.0062	.0035
%RSD	.7319	1.114	.6824	.8499
#1	.4988	1.882	.8996	.4083
#2	.4937	1.853	.9083	.4132

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1229.3	52000.	16736.
Stddev	4.2	97.	3.
%RSD	.33925	.18609	.01940
#1	1232.3	52068.	16734.
#2	1226.4	51932.	16738.

Zoom In Zoom Out

Sample Name: MP22328-B1 Acquired: 12/30/2013 12:58:37 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2317	2.199	.5874	-.0003	.0121	2.016	.4977	.0893	.5291
Stddev	.0003	.009	.0005	.0003	.0001	.002	.0018	.0170	.0008
%RSD	.1211	.3921	.0888	89.63	.5585	.1197	.3527	19.09	.1475
#1	.2319	2.205	.5877	-.0005	.0122	2.015	.4965	.1014	.5285
#2	.2315	2.193	.5870	-.0001	.0121	2.018	.4990	.0773	.5296

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5190	.5008	.5166	2.097	.1958	.0759	.4906	.0015	F1327.
Stddev	.0011	.0070	.0042	.011	.0016	.0330	.0017	.0004	2.
%RSD	.2106	1.392	.8192	.5039	.8363	43.46	.3534	28.71	.1583
#1	.5182	.5057	.5196	2.089	.1969	.0992	.4918	.0018	1329.
#2	.5198	.4959	.5136	2.104	.1946	.0526	.4894	.0012	1326.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4869	.9556	.0007	.0033	.0328	.5312	.5674	.0713	.0038
Stddev	.0000	.0002	.0006	.0041	.0005	.0018	.0016	.0003	.0002
%RSD	.0076	.0214	98.65	126.5	1.578	.3346	.2813	.3534	4.679
#1	.4870	.9558	.0002	.0062	.0324	.5300	.5685	.0711	.0037
#2	.4869	.9555	.0011	.0003	.0332	.5325	.5662	.0715	.0039

Elem	Sr4077	Ti3349	TI1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.5094	.4936	.4422	.5157	.0132	.5207	.0333
Stddev	.0008	.0049	.0011	.0050	.0036	.0012	.0040
%RSD	.1522	.9843	.2570	.9701	27.53	.2249	12.04
#1	.5089	.4970	.4430	.5192	.0158	.5199	.0361
#2	.5100	.4901	.4414	.5122	.0106	.5215	.0304

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1246.5	54335.	16975.
Stddev	.5	442.	74.
%RSD	.03948	.81305	.43507
#1	1246.9	54022.	17028.
#2	1246.2	54647.	16923.

Zoom In Zoom Out

Sample Name: MP22328-MB1 Acquired: 12/30/2013 13:03:30 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0052	.0010	-.0012	.0009	.0004	.0000	.0198	.0001	-.0001
Stddev	.0002	.0010	.0003	.0002	.0002	.0002	.0000	.0000	.0001	.0002
%RSD	100.6	20.02	34.05	19.55	18.56	60.70	12.82	.2186	84.73	239.7
#1	.0003	.0044	.0008	-.0010	.0008	.0005	.0000	.0198	.0000	.0000
#2	.0000	.0059	.0012	-.0013	.0010	.0002	.0000	.0199	.0002	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	.0001	.0110	.0004	.0073	.0003	.0005	.2962	-.0002	-.0002
Stddev	.000	.0000	.0004	.0060	.0207	.0000	.0001	.0148	.0000	.0002
%RSD	1739.	16.56	3.891	1343.	283.5	.7303	11.19	4.983	9.654	154.1
#1	.0002	.0001	.0113	.0047	-.0073	.0003	.0005	.3066	-.0002	-.0003
#2	-.0002	.0001	.0107	-.0038	.0219	.0003	.0006	.2858	-.0002	.0000

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	TI1908
Avg	.0002	-.0006	.0003	.0005	.0023	.0312	.0003	.0000	.0003	-.0015
Stddev	.0003	.0039	.0002	.0006	.0005	.0000	.0002	.000	.0001	.0001
%RSD	147.8	652.0	47.67	136.0	19.80	.1450	62.62	143.6	32.07	4.561
#1	.0004	-.0034	.0002	.0000	.0026	.0312	.0002	.0000	.0003	-.0014
#2	.0000	.0022	.0005	.0009	.0020	.0313	.0004	-.0001	.0002	-.0015

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0001	.0022	.0044	-.0005
Stddev	.0001	.0036	.0001	.0001
%RSD	102.6	165.3	2.962	10.90
#1	-.0002	.0047	.0043	-.0005
#2	.0000	-.0004	.0045	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1331.4	55871.	16813.
Stddev	2.1	3.	57.
%RSD	.16057	.00457	.33732
#1	1329.9	55870.	16853.
#2	1332.9	55873.	16773.

Zoom In Zoom Out

Sample Name: MP22328-S1 Acquired: 12/30/2013 13:08:27 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2320	3.318	.5745	.0012	.1060	2.724	.4896	219.6	.5241
Stddev	.0007	.017	.0009	.0005	.0007	.017	.0036	2.7	.0007
%RSD	.2881	.5030	.1595	40.42	.6270	.6152	.7331	1.220	.1335
#1	.2315	3.306	.5751	.0009	.1055	2.712	.4871	217.7	.5246
#2	.2325	3.330	.5738	.0016	.1065	2.736	.4922	221.5	.5236

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5367	.5020	.5495	6.921	20.75	5.945	4.611	.0006	F1287.
Stddev	.0005	.0017	.0015	.042	.12	.037	.012	.0001	13.
%RSD	.0849	.3337	.2676	.6102	.5654	.6266	.2682	14.40	.9872
#1	.5370	.5032	.5484	6.891	20.66	5.919	4.620	.0007	1278.
#2	.5364	.5008	.5505	6.951	20.83	5.972	4.602	.0006	1296.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4992	.9413	-.0074	.0266	2.381	.5263	.5605	12.97	.0024
Stddev	.0000	.0008	.0004	.0033	.002	.0009	.0027	.02	.0002
%RSD	.0067	.0883	4.958	12.57	.0718	.1642	.4885	.1737	8.649
#1	.4992	.9408	-.0076	.0290	2.382	.5270	.5585	12.99	.0025
#2	.4992	.9419	-.0071	.0243	2.380	.5257	.5624	12.96	.0022

Elem	Sr4077	Ti3349	TI1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.8062	.4889	.4255	.5088	-.0025	.5393	-.0137
Stddev	.0043	.0007	.0016	.0024	.0009	.0005	.0006
%RSD	.5361	.1375	.3854	.4732	37.94	.0932	4.074
#1	.8032	.4884	.4244	.5105	-.0018	.5390	-.0133
#2	.8093	.4894	.4267	.5071	-.0031	.5397	-.0141

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1244.4	54298.	17161.
Stddev	.6	24.	135.
%RSD	.04701	.04483	.78739
#1	1244.0	54316.	17256.
#2	1244.8	54281.	17065.

Zoom In Zoom Out

Sample Name: MP22328-S2 Acquired: 12/30/2013 13:13:29 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2311	3.330	.5778	.0013	.1062	2.732	.4931	218.5	.5255
Stddev	.0004	.012	.0017	.0006	.0003	.008	.0013	.7	.0005
%RSD	.1541	.3454	.2932	45.85	.2921	.3015	.2720	.3102	.0961
#1	.2309	3.338	.5767	.0017	.1060	2.726	.4922	218.0	.5252
#2	.2314	3.322	.5790	.0009	.1064	2.738	.4941	219.0	.5259

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5387	.5016	.5494	6.943	20.81	5.953	4.589	.0006	F1240.
Stddev	.0007	.0021	.0020	.004	.04	.013	.001	.0001	17.
%RSD	.1246	.4140	.3615	.0549	.1770	.2234	.0309	8.812	1.353
#1	.5382	.5001	.5479	6.940	20.78	5.943	4.588	.0006	1228.
#2	.5391	.5030	.5508	6.945	20.84	5.962	4.590	.0005	1252.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.5013	.9428	-.0081	.0271	2.383	.5304	.5649	12.97	.0018
Stddev	.0003	.0035	.0017	.0060	.002	.0014	.0021	.03	.0003
%RSD	.0698	.3731	20.74	22.14	.0701	.2645	.3795	.2076	15.15
#1	.5015	.9453	-.0069	.0229	2.384	.5314	.5664	12.95	.0020
#2	.5011	.9403	-.0093	.0314	2.382	.5294	.5634	12.99	.0016

Elem	Sr4077	Ti3349	TI1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.8085	.4934	.4287	.5091	-.0015	.5425	-.0168
Stddev	.0022	.0025	.0003	.0029	.0043	.0007	.0002
%RSD	.2753	.4975	.0612	.5686	281.4	.1200	1.471
#1	.8069	.4916	.4285	.5071	-.0045	.5429	-.0166
#2	.8101	.4951	.4289	.5112	.0015	.5420	-.0169

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1244.4	54375.	17141.
Stddev	.9	45.	21.
%RSD	.06833	.08295	.12399
#1	1245.0	54343.	17126.
#2	1243.8	54407.	17156.

Zoom In Zoom Out

Sample Name: MC27377-1A Acquired: 12/30/2013 13:18:33 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0004	1.147	.0008	.0013	.0549	.7139	.0016	220.5
Stddev	.0004	.017	.0001	.0006	.0004	.0100	.0000	3.3
%RSD	90.94	1.465	8.336	43.39	.6841	1.407	2.441	1.477
#1	.0007	1.158	.0008	.0009	.0552	.7210	.0016	222.8
#2	.0002	1.135	.0009	.0017	.0546	.7068	.0016	218.2

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0026	.0388	.0179	.0314	5.121	20.86	5.959	4.187
Stddev	.0001	.0001	.0000	.0007	.097	.28	.056	.002
%RSD	2.754	.2316	.1971	2.230	1.889	1.346	.9426	.0448
#1	.0027	.0389	.0179	.0319	5.189	21.06	5.999	4.185
#2	.0026	.0387	.0179	.0309	5.053	20.66	5.919	4.188

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0006	F1245.	.0360	.0153	-.0089	.0242	2.405	.0020
Stddev	.0002	54.	.0003	.0003	.0011	.0005	.011	.0008
%RSD	31.42	4.320	.7816	1.656	12.02	1.928	.4527	42.56
#1	.0007	1283.	.0362	.0155	-.0096	.0238	2.412	.0025
#2	.0004	1207.	.0358	.0151	-.0081	.0245	2.397	.0014

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0021	12.90	.0032	.3175	.0028	F-.0186	.0001	.0030
Stddev	.0007	.01	.0008	.0052	.0004	.0006	.0000	.0020
%RSD	31.71	.0543	23.89	1.643	14.83	3.256	32.68	67.81
#1	.0026	12.90	.0037	.3212	.0031	-.0182	.0001	.0044
#2	.0016	12.91	.0026	.3138	.0025	-.0190	.0001	.0016

Elem	Zn2062	Zr3391
Avg	.0477	-.0179
Stddev	.0004	.0003
%RSD	.7399	1.605
#1	.0480	-.0177
#2	.0475	-.0181

Zoom In Zoom Out

Sample Name: MC27377-1A Acquired: 12/30/2013 13:18:33 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1240.8	54344.	17118.
Stddev	1.1	369.	238.
%RSD	.08782	.67958	1.3916
#1	1240.0	54083.	16950.
#2	1241.5	54606.	17287.

Zoom In Zoom Out

Sample Name: MP22328-SD1 Acquired: 12/30/2013 13:23:38 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0015	1.194	.0042	.0044	.0618	.7524	.0018	238.1	.0026	.0394
Stddev	.0019	.044	.0010	.0000	.0002	.0273	.0003	8.3	.0001	.0003
%RSD	123.0	3.728	23.91	.5611	.3467	3.626	16.27	3.488	2.944	.8735
#1	.0002	1.225	.0049	.0044	.0619	.7717	.0020	243.9	.0026	.0397
#2	.0028	1.162	.0035	.0044	.0616	.7332	.0016	232.2	.0025	.0392

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0189	.0312	5.465	21.31	6.432	4.573	.0009	1403.	.0394	.0175
Stddev	.0027	.0003	.262	.85	.315	.036	.0002	28.	.0013	.0035
%RSD	14.23	1.054	4.792	3.999	4.897	.7784	26.68	1.995	3.416	20.03
#1	.0208	.0310	5.650	21.91	6.655	4.598	.0010	1423.	.0403	.0150
#2	.0170	.0314	5.280	20.70	6.209	4.548	.0007	1383.	.0384	.0200

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0054	.0234	2.485	.0000	.0053	13.18	-.0011	.3396	.0048	-.0178
Stddev	.0014	.0104	.012	.002	.0024	.00	.0010	.0148	.0008	.0042
%RSD	26.11	44.23	.4681	6581.	44.31	.0151	92.35	4.367	16.81	23.68
#1	-.0064	.0161	2.493	.0013	.0037	13.18	-.0004	.3501	.0042	-.0208
#2	-.0044	.0307	2.476	-.0014	.0070	13.18	-.0019	.3291	.0054	-.0149

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0008	-.0120	.0532	-.0190
Stddev	.0000	.0086	.0015	.0008
%RSD	.2580	71.71	2.820	4.091
#1	.0008	-.0181	.0521	-.0185
#2	.0008	-.0059	.0542	-.0196

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1317.2	55752.	17007.
Stddev	.5	330.	491.
%RSD	.03787	.59261	2.8885
#1	1317.6	55518.	16659.
#2	1316.9	55985.	17354.

Zoom In Zoom Out

Sample Name: MP22328-B2 Acquired: 12/30/2013 13:28:38 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2334	2.146	.5849	-.0014	.0121	2.032	.4997	.0423	.5284
Stddev	.0006	.000	.0013	.0008	.0001	.007	.0025	.0025	.0010
%RSD	.2572	.0115	.2270	57.02	.5392	.3265	.5101	5.798	.1972
#1	.2330	2.146	.5839	-.0009	.0122	2.037	.5015	.0440	.5277
#2	.2339	2.146	.5858	-.0020	.0121	2.027	.4979	.0406	.5291

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5187	.5057	.5178	2.086	.2235	.0046	.4910	.0007	F1268.
Stddev	.0020	.0036	.0035	.016	.0065	.0210	.0023	.0000	20.
%RSD	.3815	.7187	.6812	.7687	2.921	458.4	.4608	4.926	1.559
#1	.5173	.5032	.5153	2.098	.2281	-.0103	.4894	.0007	1254.
#2	.5201	.5083	.5202	2.075	.2189	.0195	.4926	.0007	1282.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4867	.9599	-.0010	.0036	.0307	.5324	.5689	.0707	.0033
Stddev	.0010	.0042	.0010	.0001	.0004	.0013	.0038	.0004	.0000
%RSD	.1969	.4413	94.59	2.597	1.447	.2386	.6718	.5832	.1124
#1	.4861	.9569	-.0017	.0037	.0310	.5315	.5661	.0710	.0033
#2	.4874	.9629	-.0003	.0035	.0304	.5333	.5716	.0704	.0033

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.5111	.5002	.4424	.5206	-.0015	.5209	.0009
Stddev	.0031	.0043	.0009	.0071	.0023	.0014	.0000
%RSD	.5967	.8552	.2116	1.361	152.0	.2715	.5481
#1	.5133	.4972	.4417	.5156	-.0032	.5199	.0009
#2	.5090	.5032	.4430	.5256	.0001	.5219	.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1252.7	54384.	16965.
Stddev	2.7	284.	68.
%RSD	.21290	.52241	.39793
#1	1254.6	54584.	16918.
#2	1250.8	54183.	17013.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/30/2013 13:33:32 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2202	8.035	1.590	-.0004	1.592	1.582	1.625	8.077	1.590	1.655
Stddev	.0003	.007	.004	.0003	.003	.002	.003	.033	.004	.005
%RSD	.1195	.0859	.2633	68.88	.1559	.1466	.1695	.4064	.2265	.3054
#1	.2204	8.031	1.593	-.0002	1.594	1.580	1.627	8.101	1.592	1.658
#2	.2200	8.040	1.587	-.0006	1.590	1.584	1.623	8.054	1.587	1.651

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.610	1.582	8.152	7.889	8.049	1.612	1.580	8.278	1.578	1.587
Stddev	.001	.002	.007	.049	.073	.000	.003	.041	.005	.004
%RSD	.0730	.0984	.0908	.6264	.9060	.0080	.1620	.5003	.2962	.2196
#1	1.609	1.581	8.158	7.924	7.998	1.612	1.582	8.249	1.581	1.589
#2	1.610	1.583	8.147	7.854	8.101	1.612	1.578	8.307	1.574	1.584

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0008	.0103	-.0082	1.594	1.597	-.0355	1.611	1.621	1.587	1.590
Stddev	.0007	.0016	.0002	.004	.002	.0000	.009	.000	.000	.004
%RSD	77.76	15.39	2.714	.2199	.1114	.0147	.5286	.0046	.0097	.2416
#1	.0004	.0092	-.0084	1.597	1.599	-.0355	1.617	1.621	1.587	1.593
#2	.0013	.0114	-.0081	1.592	1.596	-.0355	1.605	1.621	1.587	1.587

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.582	-.0073	1.586	-.0031
Stddev	.006	.0001	.005	.0004
%RSD	.3602	.7792	.3342	12.21
#1	1.586	-.0073	1.589	-.0029
#2	1.578	-.0073	1.582	-.0034

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1360.3	56674.	17067.
Stddev	.2	42.	33.
%RSD	.01146	.07461	.19464
#1	1360.2	56644.	17044.
#2	1360.4	56703.	17091.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/30/2013 13:38:39 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2737	9.847	1.969	-.0002	1.964	1.936	1.987	9.856	1.956	2.052
Stddev	.0021	.044	.002	.0004	.004	.007	.009	.045	.003	.003
%RSD	.7493	.4453	.1012	161.5	.2213	.3648	.4392	.4617	.1473	.1377
#1	.2752	9.878	1.970	.0000	1.967	1.941	1.993	9.888	1.958	2.054
#2	.2723	9.816	1.968	-.0005	1.961	1.931	1.980	9.824	1.954	2.050

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.951	1.960	9.973	9.606	9.717	1.962	1.961	9.898	1.952	1.949
Stddev	.001	.001	.052	.005	.027	.004	.002	.018	.001	.002
%RSD	.0389	.0528	.5195	.0559	.2747	.1892	.0872	.1810	.0294	.1065
#1	1.952	1.961	10.01	9.610	9.736	1.964	1.962	9.910	1.953	1.951
#2	1.951	1.960	9.936	9.602	9.699	1.959	1.959	9.885	1.952	1.948

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0006	.0073	-.0104	1.961	1.963	-.0171	1.979	1.984	1.941	1.948
Stddev	.0006	.0054	.0004	.002	.011	.0000	.008	.026	.005	.006
%RSD	88.26	74.80	4.209	.1154	.5510	.0181	.4091	1.302	.2634	.2970
#1	.0010	.0111	-.0100	1.962	1.971	-.0171	1.985	2.002	1.944	1.953
#2	.0002	.0034	-.0107	1.959	1.955	-.0171	1.973	1.966	1.937	1.944

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.934	-.0096	1.948	-.0064
Stddev	.005	.0046	.003	.0002
%RSD	.2450	48.28	.1366	2.803
#1	1.937	-.0129	1.950	-.0063
#2	1.930	-.0063	1.946	-.0065

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1349.3	56589.	17070.
Stddev	1.9	32.	114.
%RSD	.14263	.05648	.66758
#1	1347.9	56567.	16989.
#2	1350.6	56612.	17151.

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/30/2013 13:46:13 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0006	.0008	.0014	-.0006	.0020	.0001	.0002	.0054	.0002	.0002
Stddev	.0007	.0082	.0006	.0003	.0003	.0000	.0000	.0022	.0000	.0000
%RSD	114.0	1079.	41.44	52.58	15.68	41.48	6.761	40.07	14.14	11.37
#1	.0001	-.0050	.0010	-.0009	.0018	.0001	.0002	.0039	.0002	.0002
#2	.0010	.0065	.0018	-.0004	.0022	.0001	.0002	.0069	.0002	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0001	.0020	.0172	.0148	.0002	.0012	.2775	.0004	.0000
Stddev	.0005	.0001	.0012	.0090	.0263	.0001	.0001	.0026	.0001	.001
%RSD	296.0	96.33	61.99	52.24	177.9	34.29	9.585	.9195	13.75	2386.
#1	.0005	.0002	.0011	.0236	.0333	.0001	.0012	.2757	.0004	.0004
#2	-.0002	.0000	.0029	.0109	-.0038	.0002	.0011	.2793	.0005	-.0004

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0003	-.0002	-.0059	-.0010	.0009	.0011	.0002	.0002	.0006	-.0004
Stddev	.0007	.0015	.0005	.0001	.0006	.0001	.0000	.0000	.0003	.0008
%RSD	206.1	648.9	7.612	5.333	62.73	11.04	16.77	17.91	48.67	204.0
#1	.0008	-.0013	-.0062	-.0011	.0013	.0011	.0002	.0001	.0004	.0002
#2	-.0002	.0008	-.0056	-.0010	.0005	.0010	.0002	.0002	.0009	-.0009

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0003	.0016	.0003	-.0007
Stddev	.0001	.0008	.0000	.0004
%RSD	38.30	47.46	2.206	59.05
#1	.0002	.0021	.0003	-.0004
#2	.0004	.0011	.0003	-.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1346.5	56556.	17000.
Stddev	5.5	291.	54.
%RSD	.40560	.51539	.31530
#1	1350.4	56350.	17038.
#2	1342.7	56762.	16962.

Zoom In Zoom Out

Sample Name: MP22328-MB2 Acquired: 12/30/2013 13:51:10 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	-.0005	.0011	-.0004	.0021	.0005	.0000	.0141	.0001	-.0002
Stddev	.0000	.0055	.0020	.0005	.0002	.0002	.000	.0006	.0001	.0001
%RSD	1.176	1013.	179.5	118.7	10.07	50.92	72.45	4.404	67.93	72.54
#1	.0005	.0034	-.0003	-.0008	.0019	.0003	.0000	.0136	.0002	-.0001
#2	.0005	-.0045	.0025	-.0001	.0022	.0006	.0000	.0145	.0001	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0001	.0004	.0050	.0428	-.0078	.0002	.0009	.2499	-.0004	-.0001
Stddev	.0000	.0004	.0003	.0108	.0136	.0000	.0001	.0110	.0005	.0002
%RSD	2.926	114.6	6.256	25.22	175.3	8.641	8.043	4.414	141.5	125.1
#1	.0001	.0007	.0048	.0504	-.0174	.0002	.0010	.2421	-.0007	-.0003
#2	.0001	.0001	.0052	.0351	.0019	.0003	.0009	.2577	.0000	.0000

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0008	.0007	-.0025	.0004	.0029	.0247	.0623	-.0001	.0003	-.0050
Stddev	.0023	.0058	.0011	.0004	.0006	.0007	.0004	.0000	.0002	.0010
%RSD	277.4	807.9	45.18	101.9	21.40	2.780	.7035	31.61	46.61	19.78
#1	.0008	.0048	-.0033	.0008	.0033	.0242	.0620	.0000	.0005	-.0043
#2	-.0024	-.0034	-.0017	.0001	.0024	.0252	.0626	-.0001	.0002	-.0057

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0002	.0146	.0030	-.0006
Stddev	.0001	.0022	.0000	.0001
%RSD	33.12	15.21	.6698	10.81
#1	.0001	.0162	.0030	-.0006
#2	.0002	.0130	.0029	-.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1303.7	55107.	16717.
Stddev	4.0	79.	28.
%RSD	.30645	.14320	.16872
#1	1300.9	55163.	16697.
#2	1306.5	55051.	16737.

Zoom In Zoom Out

Sample Name: MP22328-LB1 Acquired: 12/30/2013 13:56:07 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0005	.0049	.0004	-.0009	.0118	.0020	.0000	.0276
Stddev	.0003	.0028	.0020	.0000	.0003	.0002	.0000	.0012
%RSD	65.79	58.19	510.7	1.833	2.481	9.285	41.87	4.516
#1	.0007	.0029	.0018	-.0009	.0120	.0021	.0000	.0268
#2	.0003	.0069	-.0010	-.0008	.0116	.0018	.0000	.0285

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0001	-.0001	.0004	.0009	.0016	.2116	.0120	.0002
Stddev	.0000	.0001	.0000	.0001	.0014	.0028	.0030	.0001
%RSD	26.16	128.9	5.993	15.54	85.05	1.338	24.99	56.13
#1	.0002	-.0001	.0004	.0008	.0006	.2096	.0098	.0002
#2	.0001	.0000	.0004	.0009	.0026	.2136	.0141	.0001

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0010	F1305.	.0015	-.0006	.0000	-.0016	.0284	-.0011
Stddev	.0001	10.	.0001	.0010	.001	.0004	.0005	.0003
%RSD	7.697	.7488	6.725	157.1	3815.	22.75	1.869	28.98
#1	.0009	1298.	.0015	-.0013	-.0005	-.0019	.0281	-.0008
#2	.0010	1312.	.0014	.0001	.0004	-.0013	.0288	-.0013

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0003	.0774	.0048	.0025	.0002	F-.0212	.0000	.0017
Stddev	.0001	.0000	.0004	.0000	.0004	.0001	.0003	.0066
%RSD	36.84	.0452	7.949	.9746	214.9	.6968	893.8	379.7
#1	.0002	.0774	.0051	.0025	.0005	-.0211	.0002	-.0029
#2	.0004	.0774	.0045	.0025	-.0001	-.0213	-.0002	.0064

Elem	Zn2062	Zr3391
Avg	.0005	.0009
Stddev	.0001	.0000
%RSD	16.41	1.625
#1	.0006	.0009
#2	.0005	.0009

Zoom In Zoom Out

Sample Name: MP22328-LB1 Acquired: 12/30/2013 13:56:07 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1246.7	53917.	16729.
Stddev	2.5	90.	116.
%RSD	.20068	.16760	.69447
#1	1248.5	53854.	16647.
#2	1245.0	53981.	16811.

Zoom In Zoom Out

Sample Name: MP22328-LS1 Acquired: 12/30/2013 14:01:08 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2152	2.109	.5998	.0003	.0021	1.995	.4929	.3867	.4939
Stddev	.0005	.003	.0035	.0006	.0003	.000	.0011	.0036	.0011
%RSD	.2413	.1465	.5795	187.9	12.08	.0162	.2153	.9369	.2312
#1	.2149	2.112	.6023	.0007	.0023	1.994	.4936	.3842	.4947
#2	.2156	2.107	.5974	-.0001	.0019	1.995	.4921	.3893	.4931

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5282	.5000	.4957	2.331	.0527	.0249	.4938	.0005	.6138
Stddev	.0007	.0010	.0001	.012	.0125	.0042	.0018	.0002	.0057
%RSD	.1404	.1988	.0234	.5321	23.78	16.75	.3712	37.58	.9273
#1	.5288	.4993	.4956	2.322	.0438	.0279	.4925	.0003	.6098
#2	.5277	.5007	.4957	2.340	.0616	.0220	.4951	.0006	.6179

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4943	.9932	.0007	.0014	F53.39	.4137	.5514	.0076	.0537
Stddev	.0008	.0027	.0003	.0015	.00	.0013	.0025	.0006	.0004
%RSD	.1705	.2763	38.42	107.1	.0023	.3091	.4446	8.464	.6693
#1	.4949	.9951	.0005	.0025	53.39	.4146	.5532	.0080	.0540
#2	.4937	.9912	.0009	.0003	53.38	.4128	.5497	.0071	.0535

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4958	.4845	.4679	.5081	-.0004	.5225	-.0019
Stddev	.0008	.0005	.0035	.0012	.0015	.0001	.0001
%RSD	.1627	.0982	.7467	.2288	349.6	.0183	5.608
#1	.4964	.4841	.4704	.5072	.0006	.5225	-.0019
#2	.4953	.4848	.4654	.5089	-.0015	.5224	-.0018

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1315.6	56043.	17064.
Stddev	2.0	149.	120.
%RSD	.15088	.26510	.70424
#1	1314.2	56148.	16979.
#2	1317.0	55938.	17149.

Zoom In Zoom Out

Sample Name: MC27396-1 Acquired: 12/30/2013 14:05:55 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0003	.0122	.0534	-.0004	.0009	.0014	.0000	.3402	.0005
Stddev	.0001	.0008	.0001	.0016	.0002	.0002	.0000	.0015	.0000
%RSD	31.07	6.509	.1367	397.1	20.71	14.80	129.7	.4354	4.253
#1	.0002	.0116	.0533	.0007	.0007	.0015	.0000	.3392	.0005
#2	.0003	.0128	.0534	-.0015	.0010	.0012	.0000	.3413	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0001	.0008	-.0001	.2250	.0418	.0312	.0027	.0001	.3818
Stddev	.0000	.0001	.0001	.0009	.0097	.0066	.0000	.0000	.0004
%RSD	24.27	6.733	117.1	.3962	23.22	21.24	1.256	25.77	.1123
#1	.0002	.0007	.0000	.2256	.0487	.0358	.0027	.0001	.3815
#2	.0001	.0008	-.0001	.2243	.0349	.0265	.0027	.0002	.3821

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0007	.0005	-.0001	-.0030	F49.89	-.0001	.0190	.0133	.0392
Stddev	.0000	.0001	.0011	.0021	.03	.0001	.0002	.0000	.0007
%RSD	5.416	12.43	726.3	70.84	.0537	72.83	1.222	.2640	1.770
#1	.0007	.0005	.0006	-.0015	49.87	-.0002	.0188	.0133	.0387
#2	.0007	.0004	-.0009	-.0045	49.90	-.0001	.0192	.0133	.0397

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0020	.0041	-.0049	.0023	-.0020	.0081	-.0009
Stddev	.0000	.0005	.0013	.0001	.0009	.0001	.0000
%RSD	.7756	11.95	27.45	5.089	43.86	.9443	.1910
#1	.0020	.0045	-.0058	.0024	-.0026	.0082	-.0009
#2	.0021	.0038	-.0039	.0022	-.0013	.0081	-.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1324.9	56396.	17170.
Stddev	1.4	189.	35.
%RSD	.10454	.33479	.20637
#1	1323.9	56263.	17195.
#2	1325.9	56530.	17145.

Zoom In Zoom Out

Sample Name: MC27310-1A Acquired: 12/30/2013 14:10:51 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130
Avg	F-.0987	-1.432	F-.1157	-.0944	F-18770.	.4577	-.0080
Stddev	.0092	.118	.0286	.0092	973.	.0050	.0001
%RSD	9.342	8.272	24.72	9.731	5.186	1.090	.8258
#1	-.1052	-1.348	-.1359	-.1009	-18080.	.4542	-.0079
#2	-.0922	-1.516	-.0955	-.0879	-19460.	.4613	-.0080

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Avg	276.8	*****	F-58.15	.0228	.7478	.0008	66.43
Stddev	.1	-----	3.07	.0030	.0153	.0049	.03
%RSD	.0422	-----	5.284	13.26	2.048	642.8	.0441
#1	276.7	-----	-55.97	.0249	.7586	.0042	66.45
#2	276.9	-----	-60.32	.0207	.7370	-.0027	66.41

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Pd3404
Avg	80.43	1.477	.0366	924.1	F-62730.	F-5.280	.0648
Stddev	.44	.010	.0054	1.6	2418.	.302	.0090
%RSD	.5458	.6863	14.68	.1756	3.854	5.711	13.82
#1	80.12	1.485	.0328	922.9	-61020.	-5.067	.0585
#2	80.74	1.470	.0404	925.2	-64440.	-5.494	.0711

Elem	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077
Avg	F-12.44	F-117500.	*****	.3935	-69.81	4.551	1.618
Stddev	.51	5263.	-----	.1734	3.68	.220	.002
%RSD	4.064	4.478	-----	44.07	5.268	4.842	.1505
#1	-12.09	-113800.	-----	.2709	-67.21	4.395	1.616
#2	-12.80	-121300.	-----	.5161	-72.41	4.707	1.619

Elem	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	-.4219	1.212	.3624	.3275	28.04	.6143
Stddev	.0014	.012	.0068	.0357	1.05	.0000
%RSD	.3360	1.022	1.886	10.91	3.764	.0057
#1	-.4229	1.203	.3672	.3022	27.29	.6143
#2	-.4209	1.220	.3576	.3527	28.79	.6142

Zoom In Zoom Out

Sample Name: MC27310-1A Acquired: 12/30/2013 14:10:51 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	-185.44	53389.	16570.
Stddev	9.79	92.	11.
%RSD	5.2805	.17207	.06742
#1	-192.37	53324.	16562.
#2	-178.52	53454.	16578.

Zoom In Zoom Out

Sample Name: MC27310-1A Acquired: 12/30/2013 14:15:50 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 50X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.1176	-1.766	.0658	-.0733	F4322.	.4487	-.0102	298.4
Stddev	.0046	.446	.0050	.0808	5.	.0116	.0031	1.9
%RSD	3.917	25.23	7.625	110.3	.1095	2.576	30.17	.6291
#1	-.1209	-2.081	.0694	-.1304	4325.	.4569	-.0124	299.7
#2	-.1143	-1.451	.0623	-.0161	4319.	.4405	-.0080	297.0

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	F-.5778	10.33	.0037	.8004	-.0040	66.53	88.55	1.560
Stddev	.0295	.05	.0089	.0149	.0230	.17	2.18	.002
%RSD	5.107	.5061	241.0	1.857	578.1	.2498	2.459	.1109
#1	-.5570	10.37	-.0026	.7899	-.0203	66.42	90.09	1.562
#2	-.5987	10.29	.0100	.8109	.0123	66.65	87.01	1.559

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	-.0207	952.9	F36870.	.3209	.1174	10.14	F50590.	F-4.652
Stddev	.0125	2.1	383.	.0304	.0230	.01	37.	.267
%RSD	60.67	.2214	1.038	9.466	19.59	.1185	.0730	5.740
#1	-.0118	951.4	36600.	.2994	.1011	10.15	50610.	-4.841
#2	-.0296	954.4	37140.	.3424	.1337	10.14	50560.	-4.464

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0125	14.15	-.9464	1.637	-.2469	-.2395	.3904	-.4066
Stddev	.0356	.09	.0665	.005	.0055	.0177	.0062	.1793
%RSD	285.4	.6209	7.024	.2983	2.238	7.410	1.590	44.11
#1	-.0127	14.09	-.9934	1.641	-.2430	-.2520	.3860	-.5334
#2	.0376	14.21	-.8994	1.634	-.2508	-.2269	.3948	-.2798

Elem	Zn2062	Zr3391
Avg	F-16.53	.5274
Stddev	.19	.0034
%RSD	1.129	.6359
#1	-16.40	.5298
#2	-16.67	.5250

Zoom In Zoom Out

Sample Name: MC27310-1A Acquired: 12/30/2013 14:15:50 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 50X

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1049.4	56147.	17263.
Stddev	.2	58.	40.
%RSD	.02350	.10382	.23141
#1	1049.2	56188.	17235.
#2	1049.5	56106.	17292.

Zoom In Zoom Out

Sample Name: MC27310-1A Acquired: 12/30/2013 14:23:22 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1000.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1000X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.1072	1.379	.3471	-.7141	3797.	.2959	-.0203	313.2
Stddev	.0076	1.088	.9297	.6033	7.	.1726	.0104	1.0
%RSD	7.134	78.88	267.8	84.48	.1910	58.33	51.37	.3095
#1	-.1126	2.148	-.3103	-.2876	3802.	.4180	-.0129	313.9
#2	-.1018	.6099	1.005	-1.141	3792.	.1739	-.0277	312.5

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	-.6935	8.028	-.0089	.6137	-.6820	74.98	92.31	1.565
Stddev	.1351	.119	.8254	.2356	.2964	6.26	15.62	.094
%RSD	19.48	1.481	9265.	38.40	43.46	8.351	16.92	5.983
#1	-.5980	7.944	.5747	.4471	-.4724	79.40	81.27	1.631
#2	-.7890	8.112	-.5925	.7803	-.8916	70.55	103.4	1.499

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.1901	1080.	F47860.	-1.523	.1075	9.959	F49710.	7.168
Stddev	.1882	5.	85.	.773	.9403	1.575	99.	.881
%RSD	99.01	.5029	.1777	50.71	874.3	15.82	.1988	12.30
#1	.3232	1083.	47800.	-2.070	.7724	11.07	49640.	6.545
#2	.0570	1076.	47920.	-.9771	-.5573	8.846	49780.	7.792

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	-1.182	10.80	-1.136	1.525	.2757	-1.021	.3160	-2.644
Stddev	1.568	.47	.762	.047	.3049	.291	.1993	.253
%RSD	132.6	4.312	67.04	3.083	110.6	28.49	63.08	9.560
#1	-2.291	11.13	-.5977	1.558	.0601	-1.227	.1750	-2.465
#2	-.0736	10.47	-1.675	1.492	.4912	-.8156	.4569	-2.823

Elem	Zn2062	Zr3391
Avg	F-20.19	-.3403
Stddev	.58	.2684
%RSD	2.884	78.88
#1	-20.61	-.5300
#2	-19.78	-.1505

Zoom In Zoom Out

Sample Name: MC27310-1A Acquired: 12/30/2013 14:23:22 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1000.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1000X

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1350.9	56662.	17094.
Stddev	1.6	123.	39.
%RSD	.11743	.21795	.22866
#1	1352.1	56749.	17066.
#2	1349.8	56575.	17122.

Zoom In Zoom Out

Sample Name: MC27310-1A Acquired: 12/30/2013 14:28:17 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 10000.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10000X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0430	37.35	14.61	1.234	4406.	.2035	-.2066	451.2	-1.093
Stddev	.1387	65.85	1.46	7.492	84.	2.695	.2497	4.7	1.634
%RSD	322.7	176.3	10.03	607.3	1.897	1325.	120.9	1.044	149.6
#1	-.0551	-9.210	15.64	6.531	4465.	-1.702	-.0300	447.8	.0628
#2	.1410	83.92	13.57	-4.064	4347.	2.109	-.3831	454.5	-2.248

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	8.879	3.137	5.397	11.97	142.5	125.1	.9451	.7556	2086.
Stddev	.450	5.773	4.071	1.35	244.3	127.9	.0589	.4815	81.
%RSD	5.064	184.0	75.44	11.28	171.5	102.2	6.232	63.73	3.867
#1	9.196	-.9452	8.276	12.93	-30.27	34.69	.9867	.4151	2029.
#2	8.561	7.219	2.518	11.02	315.3	215.5	.9035	1.096	2143.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	48370.	-1.006	3.981	-27.58	49820.	7.519	3.245	6.736	3.584
Stddev	571.	2.772	4.234	23.57	507.	4.181	1.130	3.397	3.112
%RSD	1.181	275.6	106.3	85.47	1.019	55.61	34.81	50.44	86.83
#1	48770.	-2.966	6.975	-10.91	50180.	10.48	2.446	9.138	5.785
#2	47970.	.9544	.9876	-44.24	49460.	4.562	4.044	4.333	1.384

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.477	2.189	-14.02	-1.831	-22.31	-12.81	.1373
Stddev	.143	2.987	13.66	.288	70.79	.21	2.536
%RSD	9.685	136.5	97.46	15.75	317.2	1.618	1846.
#1	1.376	4.301	-23.68	-2.035	27.74	-12.67	-1.656
#2	1.579	.0764	-4.358	-1.627	-72.37	-12.96	1.930

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1389.7	55468.	17017.
Stddev	14.6	593.	65.
%RSD	1.0492	1.0700	.38451
#1	1379.3	55048.	16971.
#2	1400.0	55887.	17063.

Zoom In Zoom Out

Sample Name: MC27235-1A Acquired: 12/30/2013 14:33:12 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0001	.4158	.0008	-.0011	.1759	.5862	.0003	257.6
Stddev	.0000	.0101	.0000	.0009	.0041	.0027	.0000	2.8
%RSD	34.93	2.420	2.192	79.13	2.340	.4528	14.28	1.073
#1	-.0001	.4087	.0008	-.0017	.1788	.5844	.0002	255.6
#2	-.0001	.4229	.0008	-.0005	.1730	.5881	.0003	259.5

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0063	.0073	.0034	.0207	.0540	3.364	16.46	1.082
Stddev	.0001	.0001	.0004	.0001	.0014	.016	.04	.017
%RSD	2.119	1.565	10.83	.3318	2.594	.4652	.2455	1.608
#1	.0064	.0072	.0037	.0207	.0530	3.353	16.44	1.069
#2	.0062	.0074	.0032	.0208	.0550	3.375	16.49	1.094

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0005	F1323.	.0128	9.604	-.0095	.0050	2.638	.0041
Stddev	.0001	7.	.0002	.001	.0007	.0020	.010	.0004
%RSD	11.46	.5521	1.323	.0069	7.261	40.83	.3701	8.880
#1	.0006	1328.	.0129	9.604	-.0100	.0064	2.645	.0038
#2	.0005	1318.	.0127	9.603	-.0090	.0035	2.631	.0043

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0036	4.622	.0023	.4935	.0033	F-.0206	.0009	-.0036
Stddev	.0004	.008	.0006	.0021	.0002	.0018	.0001	.0051
%RSD	12.33	.1697	26.27	.4323	6.355	8.758	7.658	142.2
#1	.0033	4.627	.0019	.4920	.0032	-.0193	.0009	-.0072
#2	.0039	4.616	.0027	.4951	.0035	-.0218	.0010	.0000

Elem	Zn2062	Zr3391
Avg	2.049	-.0043
Stddev	.003	.0004
%RSD	.1296	8.261
#1	2.047	-.0045
#2	2.051	-.0040

Zoom In Zoom Out

Sample Name: MC27235-1A Acquired: 12/30/2013 14:33:12 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1230.9	52769.	16720.
Stddev	3.3	628.	130.
%RSD	.26406	1.1902	.77818
#1	1228.6	53213.	16812.
#2	1233.2	52325.	16628.

Zoom In Zoom Out

Sample Name: MC27235-6A Acquired: 12/30/2013 14:38:16 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0001	.2591	-.0008	-.0009	.1641	.6686	.0003	170.7
Stddev	.0000	.0117	.0002	.0005	.0008	.0004	.0000	.2
%RSD	18.22	4.516	22.02	52.12	.5048	.0578	3.687	.1352
#1	-.0001	.2508	-.0009	-.0006	.1647	.6689	.0003	170.5
#2	-.0001	.2673	-.0006	-.0012	.1636	.6683	.0003	170.9

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0022	.0027	.0024	.0124	.0248	2.504	17.47	.4376
Stddev	.0001	.0002	.0001	.0004	.0020	.012	.15	.0012
%RSD	3.205	6.081	5.032	3.106	8.004	.4938	.8446	.2821
#1	.0023	.0029	.0023	.0127	.0263	2.513	17.57	.4384
#2	.0022	.0026	.0025	.0121	.0234	2.495	17.36	.4367

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0001	F1280.	.0080	2.328	-.0075	.0005	1.854	.0016
Stddev	.0001	1.	.0006	.023	.0002	.0015	.012	.0013
%RSD	42.26	.0695	7.545	.9987	2.551	314.3	.6233	80.15
#1	.0001	1280.	.0075	2.312	-.0073	-.0006	1.846	.0025
#2	.0002	1279.	.0084	2.345	-.0076	.0016	1.863	.0007

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0022	2.906	.0026	.3161	.0021	F-.0197	.0004	-.0034
Stddev	.0008	.028	.0001	.0005	.0001	.0027	.0001	.0014
%RSD	35.23	.9710	4.389	.1426	5.274	13.47	17.81	40.63
#1	.0017	2.887	.0025	.3164	.0020	-.0178	.0005	-.0044
#2	.0027	2.926	.0027	.3157	.0022	-.0216	.0004	-.0024

Elem	Zn2062	Zr3391
Avg	.7446	-.0026
Stddev	.0082	.0001
%RSD	1.100	5.123
#1	.7388	-.0027
#2	.7504	-.0025

Zoom In Zoom Out

Sample Name: MC27235-6A Acquired: 12/30/2013 14:38:16 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1235.0	53920.	16840.
Stddev	8.7	162.	42.
%RSD	.70274	.30114	.24851
#1	1241.1	53805.	16870.
#2	1228.9	54035.	16811.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/30/2013 14:43:15 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2743	9.638	1.949	-.0004	1.972	1.902	1.963	9.793	1.953	2.044
Stddev	.0011	.115	.002	.0001	.001	.023	.023	.133	.000	.001
%RSD	.4012	1.192	.1156	30.22	.0320	1.196	1.192	1.355	.0134	.0594
#1	.2735	9.556	1.950	-.0004	1.971	1.886	1.946	9.699	1.953	2.044
#2	.2751	9.719	1.947	-.0003	1.972	1.918	1.979	9.887	1.953	2.045

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.978	1.963	9.740	9.490	9.722	1.987	1.949	9.821	1.946	1.940
Stddev	.022	.010	.127	.066	.069	.019	.003	.092	.000	.001
%RSD	1.106	.5315	1.307	.6963	.7069	.9570	.1345	.9333	.0099	.0357
#1	1.963	1.956	9.650	9.443	9.673	1.974	1.947	9.756	1.946	1.940
#2	1.994	1.971	9.830	9.537	9.771	2.000	1.951	9.886	1.946	1.941

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0013	.0049	.0229	1.940	1.946	-.0188	1.963	1.945	1.955	1.935
Stddev	.0008	.0053	.0016	.002	.002	.0012	.001	.005	.021	.007
%RSD	60.42	109.5	6.811	.0902	.0807	6.520	.0440	.2417	1.053	.3666
#1	.0018	.0011	.0240	1.938	1.945	-.0179	1.964	1.942	1.940	1.930
#2	.0007	.0087	.0218	1.941	1.947	-.0196	1.963	1.948	1.970	1.940

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.955	-.0084	1.960	-.0075
Stddev	.016	.0046	.003	.0003
%RSD	.8280	54.04	.1714	3.705
#1	1.944	-.0117	1.962	-.0077
#2	1.967	-.0052	1.958	-.0073

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1375.7	57000.	17365.
Stddev	1.3	342.	148.
%RSD	.09546	.59987	.84974
#1	1374.8	57241.	17469.
#2	1376.6	56758.	17260.

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/30/2013 14:51:10 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0002	-.0008	.0000	-.0004	F.0225	.0004	F.0004	.0142	.0003
Stddev	.0001	.0022	.0005	.0003	.0003	.0001	.0001	.0033	.0001
%RSD	72.99	271.4	1177.	71.45	1.536	37.09	17.11	23.22	22.46
#1	.0001	.0007	.0004	-.0002	.0227	.0005	.0005	.0165	.0003
#2	.0003	-.0023	-.0003	-.0006	.0223	.0003	.0004	.0119	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0003	.0000	-.0004	.0007	.0088	.0188	.0003	.0011	.2979
Stddev	.0002	.001	.0002	.0004	.0231	.0235	.0000	.0000	.0144
%RSD	61.66	1654.	40.05	52.63	262.9	125.0	1.306	3.402	4.837
#1	.0004	.0003	-.0006	.0005	-.0075	.0022	.0003	.0011	.3081
#2	.0002	-.0004	-.0003	.0010	.0251	.0354	.0003	.0010	.2877

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0014	.0009	-.0007	.0009	.0167	.0001	.0016	.0002	.0002
Stddev	.0004	.0001	.0006	.0062	.0001	.0000	.0003	.0001	.0001
%RSD	27.34	16.23	82.77	658.0	.3871	86.03	16.69	24.55	34.29
#1	.0017	.0010	-.0003	-.0035	.0167	.0000	.0014	.0002	.0003
#2	.0011	.0008	-.0011	.0054	.0166	.0001	.0018	.0002	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0004	.0005	-.0004	.0005	-.0037	.0003	-.0006
Stddev	.0001	.0002	.0012	.0003	.0013	.0001	.0003
%RSD	24.27	30.30	334.0	57.48	35.10	49.42	62.37
#1	.0004	.0004	-.0013	.0003	-.0027	.0002	-.0008
#2	.0003	.0006	.0005	.0007	-.0046	.0004	-.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1380.1	56768.	17078.
Stddev	.1	182.	166.
%RSD	.00899	.32058	.97256
#1	1380.1	56897.	16961.
#2	1380.0	56639.	17195.

Zoom In Zoom Out

Sample Name: MC27403-3A Acquired: 12/30/2013 14:59:24 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0001	.2648	.0394	-.0004	.8769	.0398	.0005	19.88
Stddev	.0006	.0104	.0022	.0020	.0000	.0000	.0001	.08
%RSD	519.4	3.912	5.614	553.4	.0010	.1038	9.763	.3929
#1	.0005	.2721	.0379	.0011	.8769	.0399	.0005	19.83
#2	-.0003	.2575	.0410	-.0018	.8769	.0398	.0006	19.94

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0025	.0079	.0005	.0016	5.113	13.59	.6483	.4004
Stddev	.0001	.0001	.0001	.0004	.015	.02	.0321	.0011
%RSD	2.107	.8636	16.29	26.22	.2915	.1645	4.949	.2684
#1	.0025	.0078	.0004	.0013	5.124	13.61	.6710	.3996
#2	.0026	.0079	.0006	.0019	5.103	13.58	.6256	.4011

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0039	F1281.	.0116	.0032	.0009	.0031	1.325	.0011
Stddev	.0002	5.	.0000	.0006	.0020	.0048	.009	.0003
%RSD	4.279	.4039	.3731	19.72	224.9	156.1	.6952	29.45
#1	.0040	1278.	.0115	.0037	.0024	-.0003	1.319	.0009
#2	.0038	1285.	.0116	.0028	-.0005	.0065	1.332	.0013

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0007	1.487	.0044	.0852	.0019	F-.0201	.0028	.0037
Stddev	.0017	.002	.0007	.0001	.0001	.0003	.0001	.0017
%RSD	232.4	.1080	15.12	.1108	3.367	1.490	3.142	45.76
#1	.0019	1.488	.0049	.0851	.0019	-.0199	.0027	.0025
#2	-.0005	1.486	.0039	.0852	.0018	-.0203	.0029	.0049

Elem	Zn2062	Zr3391
Avg	.0370	-.0017
Stddev	.0006	.0001
%RSD	1.599	5.920
#1	.0374	-.0016
#2	.0366	-.0017

Zoom In Zoom Out

Sample Name: MC27403-3A Acquired: 12/30/2013 14:59:24 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1278.2	54418.	17120.
Stddev	4.1	252.	76.
%RSD	.32147	.46328	.44213
#1	1275.2	54597.	17173.
#2	1281.1	54240.	17066.

Zoom In Zoom Out

Sample Name: MP22316-LB2 Acquired: 12/30/2013 15:04:24 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0002	.0062	-.0004	.0000	.0262	.0001	.0000	.0220
Stddev	.0002	.0012	.0013	.0003	.0005	.0001	.0000	.0018
%RSD	70.72	19.61	308.2	56800.	1.784	173.0	391.9	8.025
#1	.0001	.0053	.0005	.0002	.0265	.0002	.0000	.0232
#2	.0004	.0070	-.0013	-.0002	.0258	.0000	.0000	.0208

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0001	.0000	-.0001	-.0006	.0077	.0141	.0086	.0003
Stddev	.0001	.000	.0002	.0002	.0011	.0111	.0072	.0001
%RSD	77.33	297.3	229.2	23.80	14.82	78.92	83.16	29.58
#1	.0002	.0000	-.0003	-.0005	.0085	.0220	.0137	.0002
#2	.0001	-.0001	.0001	-.0008	.0069	.0062	.0035	.0003

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0003	.6732	.0003	-.0001	.0005	-.0006	.0632	.0002
Stddev	.0001	.0399	.0000	.0000	.0005	.0008	.0013	.0003
%RSD	27.68	5.924	12.02	18.53	106.6	128.4	2.051	143.1
#1	.0003	.7014	.0004	-.0001	.0008	-.0012	.0641	.0000
#2	.0002	.6450	.0003	-.0001	.0001	-.0001	.0623	.0004

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0073	.0260	.0040	.0000	.0002	F-.0075	.0000	.0000
Stddev	.0012	.0003	.0000	.000	.0001	.0000	.0001	.0038
%RSD	15.95	1.101	.5911	125.7	29.38	.0045	54980.	77520.
#1	.0065	.0262	.0039	.0000	.0002	-.0075	.0000	.0027
#2	.0082	.0258	.0040	.0000	.0003	-.0075	.0000	-.0027

Elem	Zn2062	Zr3391
Avg	.0031	-.0026
Stddev	.0001	.0000
%RSD	1.700	1.076
#1	.0030	-.0026
#2	.0031	-.0027

Zoom In Zoom Out

Sample Name: MP22316-LB2 Acquired: 12/30/2013 15:04:24 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1357.3	57998.	17580.
Stddev	3.8	277.	20.
%RSD	.27693	.47736	.11354
#1	1359.9	57803.	17565.
#2	1354.6	58194.	17594.

Zoom In Zoom Out

Sample Name: CRIB Acquired: 12/30/2013 15:09:21 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0063	.2044	.0121	-.0003	.1159	.5060	.0041	5.061	.0041	.0533
Stddev	.0003	.0012	.0008	.0001	.0000	.0004	.0001	.067	.0002	.0002
%RSD	4.435	.5725	6.362	37.45	.0215	.0782	1.545	1.323	4.010	.4602
#1	.0065	.2053	.0116	-.0002	.1159	.5058	.0041	5.013	.0042	.0534
#2	.0061	.2036	.0127	-.0004	.1159	.5063	.0042	5.108	.0040	.0531

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0102	.0245	.1021	4.869	5.038	.0157	.1018	5.048	.0411	.0101
Stddev	.0004	.0004	.0016	.057	.116	.0001	.0001	.002	.0001	.0008
%RSD	3.625	1.808	1.575	1.178	2.299	.9177	.1377	.0485	.3260	7.678
#1	.0105	.0248	.1032	4.828	4.956	.0158	.1019	5.047	.0412	.0107
#2	.0099	.0242	.1009	4.909	5.120	.0156	.1017	5.050	.0410	.0096

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0005	-.0033	.0151	.0053	.0256	.0062	.0986	.0101	.0518	.0041
Stddev	.0011	.0013	.0002	.0001	.0008	.0002	.0002	.0001	.0007	.0020
%RSD	207.3	39.96	1.449	2.020	3.088	2.646	.2049	1.219	1.284	48.80
#1	.0002	-.0024	.0149	.0054	.0262	.0060	.0988	.0100	.0523	.0027
#2	-.0013	-.0043	.0153	.0052	.0251	.0063	.0985	.0102	.0514	.0056

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0102	-.0008	.1107	-.0004
Stddev	.0002	.0025	.0000	.0003
%RSD	2.444	307.8	.0383	61.68
#1	.0104	-.0026	.1107	-.0002
#2	.0100	.0009	.1108	-.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1383.7	57065.	17071.
Stddev	2.8	238.	116.
%RSD	.20513	.41791	.68158
#1	1381.7	56896.	17154.
#2	1385.7	57234.	16989.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/30/2013 15:14:14 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	514.5	.0012	.0005	.0167	-.0009	.0002	453.7	.0019	.0019
Stddev	.0002	2.4	.0030	.0017	.0001	.0000	.0001	.1	.0000	.0002
%RSD	82.18	.4592	257.9	362.0	.3032	.9916	35.38	.0326	.9909	10.61
#1	-.0001	516.2	-.0010	.0017	.0167	-.0009	.0002	453.6	.0019	.0020
#2	-.0004	512.9	.0033	-.0007	.0167	-.0009	.0001	453.8	.0019	.0018

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0016	-.0003	180.5	.0413	519.5	.0002	-.0010	.3525	.0033	.0034
Stddev	.0001	.0001	.6	.0268	1.8	.0001	.0001	.0037	.0003	.0009
%RSD	7.624	33.09	.3052	65.02	.3540	26.44	14.02	1.048	10.25	26.30
#1	-.0015	-.0003	180.9	.0223	520.8	.0002	-.0009	.3551	.0035	.0027
#2	-.0016	-.0004	180.1	.0602	518.2	.0003	-.0011	.3499	.0031	.0040

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0159	-.0229	.0902	.0002	-.0007	.0456	-.0001	-.0076	.0060	.0003
Stddev	.0004	.0053	.0029	.0032	.0029	.0003	.0002	.0001	.0006	.0009
%RSD	2.725	23.14	3.233	1886.	406.1	.7172	114.5	.8845	9.425	256.5
#1	-.0156	-.0266	.0923	-.0021	.0013	.0454	-.0002	-.0076	.0056	.0010
#2	-.0162	-.0191	.0881	.0024	-.0028	.0459	.0000	-.0077	.0064	-.0003

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0002	-.0124	-.0003	.0027
Stddev	.0002	.0028	.0000	.0003
%RSD	97.86	22.23	12.71	9.770
#1	.0003	-.0143	-.0003	.0028
#2	.0001	-.0104	-.0003	.0025

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1262.1	52882.	16848.
Stddev	4.5	58.	94.
%RSD	.35300	.11010	.55505
#1	1265.3	52841.	16782.
#2	1259.0	52923.	16914.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/30/2013 15:19:15 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.134	515.1	2.114	.4737	.9831	.4827	.4625	449.4	.9983	.4830
Stddev	.003	.7	.004	.0004	.0047	.0013	.0016	1.8	.0021	.0004
%RSD	.2357	.1392	.1942	.0782	.4827	.2607	.3562	.4066	.2115	.0854
#1	1.132	515.6	2.111	.4734	.9798	.4818	.4613	448.1	.9968	.4833
#2	1.136	514.6	2.117	.4739	.9865	.4836	.4637	450.7	.9998	.4827

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4770	.5221	179.5	.0394	520.9	.4846	.9415	.3821	.8684	.8912
Stddev	.0004	.0020	.6	.0087	1.0	.0007	.0022	.0115	.0015	.0007
%RSD	.0790	.3841	.3292	22.17	.1838	.1522	.2319	3.002	.1729	.0828
#1	.4772	.5207	179.1	.0332	520.2	.4841	.9399	.3740	.8674	.8907
#2	.4767	.5235	179.9	.0456	521.6	.4852	.9430	.3902	.8695	.8918

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.5033	.4695	.5596	2.026	1.960	2.114	.9465	.9479	.4987	1.769
Stddev	.0041	.0021	.0006	.001	.000	.001	.0030	.0022	.0029	.001
%RSD	.8050	.4542	.1041	.0493	.0087	.0650	.3194	.2366	.5905	.0776
#1	.5004	.4680	.5601	2.026	1.960	2.113	.9444	.9463	.4967	1.768
#2	.5062	.4710	.5592	2.025	1.960	2.115	.9487	.9495	.5008	1.770

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.4952	1.831	.9046	.4004
Stddev	.0021	.001	.0002	.0039
%RSD	.4142	.0608	.0226	.9639
#1	.4938	1.832	.9044	.3977
#2	.4967	1.830	.9047	.4031

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1262.2	52746.	16842.
Stddev	1.4	155.	26.
%RSD	.10866	.29395	.15334
#1	1263.2	52856.	16860.
#2	1261.2	52637.	16823.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/30/2013 15:24:07 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2735	9.755	1.944	.0004	1.950	1.922	1.994	10.02	1.952	2.044
Stddev	.0008	.004	.003	.0010	.001	.000	.001	.00	.000	.001
%RSD	.2969	.0410	.1623	237.3	.0401	.0140	.0472	.0021	.0086	.0325
#1	.2741	9.758	1.942	.0011	1.950	1.922	1.993	10.02	1.952	2.044
#2	.2730	9.752	1.946	-.0003	1.951	1.923	1.995	10.02	1.952	2.043

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.995	1.950	9.914	9.567	10.01	2.001	1.948	9.660	1.943	1.938
Stddev	.008	.007	.008	.007	.05	.007	.001	.032	.002	.003
%RSD	.4012	.3589	.0831	.0733	.5000	.3376	.0535	.3287	.0870	.1561
#1	2.000	1.955	9.908	9.572	9.973	2.006	1.947	9.637	1.945	1.940
#2	1.989	1.945	9.920	9.562	10.04	1.996	1.949	9.682	1.942	1.936

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0013	.0067	-.0017	1.939	1.933	-.0200	1.969	1.976	1.962	1.934
Stddev	.0005	.0042	.0007	.004	.002	.0006	.006	.004	.007	.007
%RSD	38.54	62.45	41.02	.1987	.0896	3.166	.3175	.1870	.3411	.3496
#1	.0010	.0097	-.0012	1.942	1.934	-.0195	1.973	1.973	1.967	1.939
#2	.0017	.0038	-.0022	1.936	1.932	-.0204	1.965	1.978	1.958	1.930

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.966	-.0026	1.963	.0169
Stddev	.006	.0026	.000	.0041
%RSD	.3012	101.7	.0172	23.95
#1	1.970	-.0044	1.963	.0198
#2	1.962	-.0007	1.963	.0141

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1383.7	56939.	17091.
Stddev	.6	230.	8.
%RSD	.04137	.40439	.04619
#1	1384.1	56776.	17096.
#2	1383.3	57102.	17085.

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/30/2013 15:31:19 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0000	.0092	F.0025	-.0009	F.0140	.0003	.0002	.0129	.0003
Stddev	.0001	.0027	.0002	.0002	.0006	.0001	.0000	.0004	.0001
%RSD	808.1	29.70	5.995	19.00	4.216	39.00	18.51	2.986	43.22
#1	-.0001	.0073	.0024	-.0010	.0144	.0002	.0002	.0126	.0002
#2	.0001	.0111	.0026	-.0008	.0136	.0004	.0003	.0131	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0003	.0006	-.0003	.0042	-.0082	.0158	.0003	.0010	.2321
Stddev	.0001	.0001	.0003	.0003	.0082	.0209	.0000	.0000	.0037
%RSD	40.77	10.57	110.2	7.055	99.47	132.1	2.042	2.361	1.574
#1	.0003	.0006	-.0005	.0040	-.0024	.0010	.0003	.0010	.2347
#2	.0002	.0006	-.0001	.0044	-.0140	.0306	.0002	.0011	.2295

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0002	.0006	-.0010	-.0032	.0008	.0002	.0012	.0003	.0001
Stddev	.0001	.0005	.0007	.0068	.0002	.0006	.0008	.0004	.0001
%RSD	33.67	79.19	75.18	212.7	24.38	337.0	63.34	115.5	34.98
#1	.0002	.0003	-.0005	-.0080	.0007	-.0003	.0007	.0006	.0002
#2	.0003	.0009	-.0015	.0016	.0010	.0006	.0018	.0001	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0003	.0008	.0000	.0005	.0029	.0001	-.0003
Stddev	.0001	.0001	.0011	.0001	.0004	.0001	.0002
%RSD	19.80	9.423	2236.	17.22	12.41	91.44	61.98
#1	.0002	.0007	.0008	.0006	.0032	.0000	-.0002
#2	.0003	.0008	-.0007	.0005	.0026	.0002	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1387.8	57167.	17127.
Stddev	2.5	19.	99.
%RSD	.18108	.03379	.57751
#1	1386.0	57154.	17197.
#2	1389.6	57181.	17057.

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/30/2013 15:40:01 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0058	.1983	F.0052	.0003	.1117	.0493	.0043	5.039	.0041
Stddev	.0001	.0009	.0006	.0000	.0007	.0007	.0000	.062	.0001
%RSD	2.191	.4495	12.12	4.470	.5900	1.486	.5853	1.224	2.140
#1	.0057	.1990	.0048	.0004	.1113	.0498	.0042	5.082	.0040
#2	.0059	.1977	.0057	.0003	.1122	.0488	.0043	4.995	.0041

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0534	.0100	.0240	.1037	4.851	4.947	.0156	.1024	4.973
Stddev	.0005	.0002	.0001	.0018	.053	.047	.0000	.0004	.017
%RSD	.9052	1.989	.2173	1.715	1.086	.9459	.1564	.4089	.3452
#1	.0531	.0099	.0239	.1050	4.888	4.980	.0156	.1021	4.961
#2	.0538	.0102	.0240	.1025	4.814	4.914	.0156	.1027	4.985

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0409	.0048	.0007	-.0013	.0034	.0061	.0109	.0045	.0995
Stddev	.0002	.0013	.0002	.0002	.0016	.0003	.0005	.0002	.0000
%RSD	.5900	27.19	25.51	15.81	47.04	4.635	4.624	4.052	.0474
#1	.0411	.0039	.0006	-.0012	.0045	.0059	.0112	.0043	.0995
#2	.0408	.0057	.0008	-.0015	.0022	.0063	.0105	.0046	.0995

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0100	.0514	F.0035	.0100	-.0023	.0214	-.0002
Stddev	.0001	.0005	.0007	.0001	.0051	.0001	.0000
%RSD	.8085	.9530	21.07	1.351	222.8	.2568	1.365
#1	.0100	.0510	.0040	.0101	-.0059	.0215	-.0002
#2	.0099	.0517	.0030	.0099	.0013	.0214	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1377.0	57220.	17229.
Stddev	1.7	148.	44.
%RSD	.12705	.25913	.25522
#1	1378.3	57115.	17198.
#2	1375.8	57325.	17261.

Zoom In Zoom Out

Sample Name: MP22329-B1 Acquired: 12/30/2013 15:45:37 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2209	2.135	.5731	.6976	1.028	1.983	.5021	24.98	.4949	.5292
Stddev	.0004	.001	.0005	.0041	.000	.004	.0005	.14	.0002	.0010
%RSD	.1629	.0298	.0860	.5844	.0027	.1909	.0992	.5805	.0333	.1911
#1	.2206	2.135	.5727	.7005	1.028	1.980	.5024	25.08	.4950	.5300
#2	.2211	2.134	.5734	.6947	1.028	1.986	.5017	24.88	.4947	.5285

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5189	.4977	2.055	24.88	25.67	.4993	.0002	24.98	.4915	1.000
Stddev	.0005	.0010	.003	.11	.20	.0011	.0002	.09	.0022	.003
%RSD	.1054	.2049	.1197	.4545	.7859	.2176	99.16	.3477	.4495	.2605
#1	.5192	.4984	2.057	24.80	25.81	.5000	.0001	24.91	.4899	1.002
#2	.5185	.4970	2.054	24.96	25.52	.4985	.0004	25.04	.4930	.9984

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	1.003	.9764	1.013	.5078	.5012	1.086	1.046	.4960	.4992	.4868
Stddev	.002	.0011	.001	.0002	.0019	.000	.004	.0009	.0000	.0003
%RSD	.1734	.1090	.0961	.0404	.3881	.0130	.3832	.1906	.0010	.0674
#1	1.005	.9756	1.013	.5080	.4998	1.085	1.049	.4953	.4992	.4871
#2	1.002	.9771	1.012	.5077	.5026	1.086	1.043	.4967	.4992	.4866

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5211	-.0033	.5277	.4714
Stddev	.0021	.0014	.0017	.0024
%RSD	.3951	42.79	.3293	.5142
#1	.5225	-.0043	.5290	.4697
#2	.5196	-.0023	.5265	.4732

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1347.1	57057.	17172.
Stddev	.6	38.	148.
%RSD	.04328	.06674	.86021
#1	1347.5	57030.	17067.
#2	1346.7	57084.	17276.

Zoom In Zoom Out

Sample Name: MP22329-MB1 Acquired: 12/30/2013 15:50:21 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	-.0012	.0019	.0001	.0131	.0004	.0001	.0172	.0001	.0001
Stddev	.0003	.0014	.0000	.0001	.0002	.0002	.0000	.0026	.0000	.0001
%RSD	211.9	115.9	2.025	51.49	1.649	55.68	1.160	15.23	.1193	109.3
#1	.0004	-.0022	.0018	.0002	.0133	.0005	.0001	.0191	.0001	.0000
#2	-.0001	-.0002	.0019	.0001	.0129	.0002	.0001	.0154	.0001	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	-.0002	.0020	.0047	.0069	.0001	.0003	.2288	.0009	.0006
Stddev	.0001	.0002	.0009	.0115	.0173	.0001	.0001	.0050	.0004	.0005
%RSD	56.17	74.24	46.36	244.7	251.9	119.6	26.67	2.200	49.98	89.06
#1	.0002	-.0003	.0026	.0129	.0191	.0002	.0002	.2252	.0006	.0009
#2	.0003	-.0001	.0013	-.0034	-.0054	.0000	.0004	.2324	.0012	.0002

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0002	.0016	.0049	-.0006	.0017	.0190	.0002	.0001	.0003	-.0018
Stddev	.0000	.0015	.0009	.0002	.0003	.0000	.0001	.0000	.0001	.0003
%RSD	4.927	95.31	18.38	30.57	16.96	.1009	49.62	11.86	18.23	19.21
#1	.0002	.0005	.0042	-.0004	.0015	.0190	.0002	.0001	.0004	-.0015
#2	.0002	.0027	.0055	-.0007	.0019	.0189	.0003	.0001	.0003	-.0020

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0002	.0041	.0018	-.0002
Stddev	.0003	.0021	.0000	.0006
%RSD	160.4	51.68	.9826	258.5
#1	.0004	.0056	.0018	-.0006
#2	.0000	.0026	.0019	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1365.6	57733.	17125.
Stddev	2.5	557.	6.
%RSD	.18443	.96501	.03550
#1	1363.8	58127.	17120.
#2	1367.4	57339.	17129.

Zoom In Zoom Out

Sample Name: MP22329-S1 Acquired: 12/30/2013 15:55:18 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2304	2.602	.5857	.8285	1.314	2.011	.4993	135.2	.5177
Stddev	.0039	.009	.0018	.0100	.005	.002	.0009	.5	.0015
%RSD	1.683	.3514	.3140	1.212	.4138	.1165	.1759	.3808	.2858
#1	.2331	2.595	.5844	.8356	1.318	2.009	.4987	134.9	.5187
#2	.2276	2.608	.5870	.8214	1.310	2.012	.4999	135.6	.5166

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5449	.5181	.5509	3.544	51.07	25.85	.5625	.1143	374.4
Stddev	.0006	.0060	.0083	.000	.03	.11	.0091	.0003	1.7
%RSD	.1012	1.156	1.507	.0045	.0530	.4266	1.621	.2760	.4552
#1	.5453	.5224	.5567	3.544	51.05	25.77	.5689	.1145	373.2
#2	.5445	.5139	.5450	3.544	51.09	25.92	.5560	.1141	375.6

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.5500	.9857	1.016	1.010	F48.68	.5205	.5130	6.919	1.039
Stddev	.0019	.0035	.015	.009	.01	.0021	.0003	.012	.003
%RSD	.3487	.3518	1.437	.8812	.0165	.3953	.0616	.1663	.2839
#1	.5514	.9881	1.026	1.016	48.67	.5220	.5132	6.927	1.041
#2	.5487	.9832	1.005	1.004	48.69	.5190	.5127	6.911	1.037

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.520	.5112	.4641	.5386	.0097	.5456	.3896
Stddev	.002	.0088	.0028	.0085	.0028	.0001	.0065
%RSD	.1490	1.718	.6072	1.576	29.00	.0136	1.657
#1	1.518	.5174	.4661	.5446	.0117	.5457	.3942
#2	1.522	.5050	.4621	.5326	.0077	.5456	.3851

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1291.4	54955.	16921.
Stddev	1.5	639.	94.
%RSD	.11291	1.1628	.55710
#1	1290.4	54503.	16988.
#2	1292.5	55407.	16854.

Zoom In Zoom Out

Sample Name: MP22329-S2 Acquired: 12/30/2013 16:00:08 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2252	2.574	.5832	.8120	1.306	2.010	.4975	136.1	.5153
Stddev	.0001	.020	.0048	.0008	.003	.001	.0004	.1	.0009
%RSD	.0231	.7900	.8197	.0944	.2183	.0493	.0882	.1003	.1662
#1	.2253	2.588	.5865	.8126	1.308	2.009	.4972	136.2	.5147
#2	.2252	2.559	.5798	.8115	1.304	2.011	.4978	136.0	.5159

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.5422	.5157	.5420	3.475	51.30	25.92	.5565	.1148	372.1
Stddev	.0014	.0008	.0001	.001	.02	.23	.0014	.0002	.3
%RSD	.2621	.1565	.0200	.0245	.0483	.8794	.2513	.2092	.0798
#1	.5412	.5162	.5421	3.475	51.29	26.08	.5574	.1150	372.3
#2	.5432	.5151	.5419	3.476	51.32	25.75	.5555	.1147	371.9

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.5495	.9805	.9928	.9916	F48.94	.5185	.5096	6.891	1.025
Stddev	.0011	.0002	.0029	.0058	.11	.0003	.0023	.016	.002
%RSD	.1945	.0211	.2907	.5857	.2160	.0663	.4600	.2278	.2009
#1	.5487	.9807	.9949	.9957	48.87	.5182	.5113	6.880	1.027
#2	.5502	.9804	.9908	.9874	49.02	.5187	.5080	6.902	1.024

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.524	.5093	.4635	.5304	.0067	.5416	.3872
Stddev	.001	.0062	.0012	.0018	.0020	.0011	.0013
%RSD	.0324	1.226	.2622	.3302	29.91	.2084	.3262
#1	1.523	.5049	.4644	.5292	.0053	.5408	.3880
#2	1.524	.5137	.4627	.5316	.0081	.5424	.3863

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1298.4	55621.	17000.
Stddev	1.5	14.	24.
%RSD	.11593	.02479	.14156
#1	1299.5	55631.	16983.
#2	1297.4	55611.	17017.

Zoom In Zoom Out

Sample Name: MC27417-3 Acquired: 12/30/2013 16:04:57 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0004	.4422	.0030	-.0016	.2994	.0390	.0001	114.0
Stddev	.0006	.0027	.0005	.0006	.0006	.0001	.0000	.2
%RSD	167.2	.6011	17.80	37.10	.2141	.2380	13.93	.1363
#1	.0008	.4403	.0034	-.0020	.2998	.0391	.0001	113.9
#2	-.0001	.4441	.0026	-.0012	.2989	.0390	.0001	114.1

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0134	.0263	.0058	.0341	1.494	26.50	.7915	.0684
Stddev	.0000	.0001	.0003	.0004	.003	.10	.0034	.0001
%RSD	.0527	.2716	5.333	1.144	.2207	.3784	.4279	.1901
#1	.0134	.0262	.0060	.0338	1.496	26.43	.7891	.0683
#2	.0134	.0263	.0055	.0344	1.492	26.57	.7939	.0685

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.1166	351.1	.0728	-.0004	-.0053	.0012	F48.46	.0006
Stddev	.0000	1.1	.0002	.0002	.0010	.0013	.04	.0012
%RSD	.0240	.3201	.2706	60.98	19.67	108.9	.0739	217.9
#1	.1166	351.9	.0727	-.0005	-.0046	.0021	48.43	-.0003
#2	.1166	350.3	.0730	-.0002	-.0061	.0003	48.48	.0014

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0015	5.767	.0001	1.047	.0102	F-.0057	.0097	.0069
Stddev	.0009	.001	.0002	.001	.0010	.0006	.0000	.0007
%RSD	60.80	.0208	302.0	.0791	9.430	9.795	.0654	10.35
#1	.0009	5.766	-.0001	1.046	.0109	-.0053	.0097	.0074
#2	.0022	5.768	.0003	1.047	.0096	-.0061	.0097	.0064

Elem	Zn2062	Zr3391
Avg	.0325	-.0047
Stddev	.0001	.0000
%RSD	.1662	.0114
#1	.0325	-.0047
#2	.0325	-.0047

Zoom In Zoom Out

Sample Name: MC27417-3 Acquired: 12/30/2013 16:04:57 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1309.1	56238.	17015.
Stddev	1.2	154.	49.
%RSD	.08968	.27329	.28640
#1	1308.3	56347.	17050.
#2	1310.0	56130.	16981.

Zoom In Zoom Out

Sample Name: MP22329-SD1 Acquired: 12/30/2013 16:09:55 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0014	.4227	.0113	-.0027	.3493	.0382	.0003	115.3	.0135	.0256
Stddev	.0005	.0048	.0021	.0026	.0003	.0000	.0000	.1	.0000	.0010
%RSD	36.60	1.138	18.87	97.61	.0790	.0655	6.292	.1140	.2303	3.992
#1	.0018	.4193	.0128	-.0045	.3495	.0382	.0003	115.4	.0134	.0263
#2	.0010	.4261	.0098	-.0008	.3491	.0382	.0003	115.2	.0135	.0249

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0051	.0321	1.507	26.27	.8936	.0695	.1181	359.8	.0732	-.0020
Stddev	.0017	.0010	.044	.01	.1302	.0004	.0000	.5	.0005	.0005
%RSD	33.87	2.964	2.907	.0530	14.57	.6295	.0377	.1449	.6447	23.02
#1	.0063	.0314	1.538	26.26	.8016	.0698	.1181	359.4	.0729	-.0017
#2	.0039	.0327	1.476	26.28	.9857	.0692	.1182	360.2	.0735	-.0023

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0036	-.0253	48.64	.0000	.0068	5.782	-.0005	1.046	.0118	-.0132
Stddev	.0040	.0070	.05	.0004	.0048	.004	.0022	.000	.0010	.0007
%RSD	111.5	27.56	.0956	1642.	70.86	.0760	437.0	.0345	8.512	5.557
#1	-.0008	-.0302	48.68	-.0003	.0102	5.779	-.0021	1.046	.0111	-.0137
#2	-.0065	-.0203	48.61	.0003	.0034	5.785	.0011	1.047	.0125	-.0127

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0089	-.0072	.0352	-.0104
Stddev	.0003	.0158	.0000	.0007
%RSD	3.806	220.0	.0990	6.493
#1	.0087	.0040	.0352	-.0099
#2	.0092	-.0183	.0352	-.0108

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1364.2	57834.	17342.
Stddev	.7	122.	5.
%RSD	.05097	.21051	.02904
#1	1363.7	57921.	17345.
#2	1364.7	57748.	17338.

Zoom In Zoom Out

Sample Name: MP22329-B2 Acquired: 12/30/2013 16:14:52 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2225	2.139	.5748	.6259	1.025	1.977	.5011	25.08	.4980	.5327
Stddev	.0009	.010	.0017	.0030	.004	.008	.0014	.09	.0025	.0023
%RSD	.4083	.4796	.2882	.4856	.3634	.3910	.2803	.3395	.4973	.4399
#1	.2219	2.146	.5736	.6281	1.022	1.982	.5020	25.14	.4963	.5311
#2	.2232	2.131	.5759	.6238	1.027	1.971	.5001	25.02	.4998	.5344

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5204	.4990	2.067	24.85	25.65	.4977	.0001	24.89	.4924	1.007
Stddev	.0004	.0007	.011	.06	.22	.0009	.0001	.11	.0021	.005
%RSD	.0804	.1352	.5390	.2388	.8694	.1759	77.72	.4291	.4183	.4847
#1	.5207	.4985	2.075	24.89	25.81	.4971	.0001	24.96	.4910	1.004
#2	.5201	.4994	2.059	24.80	25.49	.4983	.0000	24.81	.4939	1.011

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	1.009	.9824	1.069	.5105	.5025	1.102	1.051	.4956	.4986	.4894
Stddev	.001	.0077	.000	.0021	.0006	.006	.004	.0014	.0008	.0031
%RSD	.0729	.7841	.0250	.4116	.1129	.5540	.3399	.2905	.1593	.6416
#1	1.009	.9878	1.069	.5091	.5021	1.097	1.048	.4966	.4991	.4872
#2	1.008	.9769	1.070	.5120	.5029	1.106	1.053	.4945	.4980	.4916

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5253	-.0012	.5312	.4736
Stddev	.0070	.0073	.0019	.0001
%RSD	1.326	609.8	.3538	.0240
#1	.5303	-.0064	.5299	.4735
#2	.5204	.0040	.5325	.4737

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1348.0	57221.	17136.
Stddev	5.3	35.	13.
%RSD	.38959	.06080	.07844
#1	1351.7	57245.	17127.
#2	1344.3	57196.	17146.

Zoom In Zoom Out

Sample Name: MC27421-1 Acquired: 12/30/2013 16:19:36 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	.0143	.0015	.0001	.3779	.2775	.0000	172.7	-.0003	-.0002
Stddev	.0002	.0029	.0008	.0002	.0008	.0015	.0000	.1	.0000	.0001
%RSD	37.05	20.18	55.18	115.1	.2118	.5567	17.44	.0695	10.55	68.09
#1	.0005	.0163	.0009	.0002	.3773	.2786	.0000	172.6	-.0003	-.0002
#2	.0003	.0122	.0021	.0000	.3785	.2764	.0000	172.8	-.0003	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0003	.0007	8.116	6.802	51.12	.2364	-.0001	39.63	.0031	.0001
Stddev	.0001	.0004	.095	.018	.30	.0000	.0001	.01	.0001	.0004
%RSD	44.95	54.86	1.165	.2619	.5786	.0124	84.95	.0169	3.177	695.9
#1	.0004	.0010	8.050	6.790	50.91	.2363	-.0002	39.64	.0030	-.0002
#2	.0002	.0004	8.183	6.815	51.33	.2364	.0000	39.63	.0032	.0003

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0066	-.0023	5.989	.0006	.0043	17.20	-.0009	.3724	.0025	-.0020
Stddev	.0012	.0041	.003	.0004	.0003	.00	.0006	.0003	.0008	.0001
%RSD	17.91	179.8	.0448	66.75	8.148	.0271	68.70	.0696	29.94	6.828
#1	-.0058	-.0052	5.988	.0003	.0040	17.20	-.0004	.3726	.0030	-.0019
#2	-.0074	.0006	5.991	.0009	.0045	17.20	-.0013	.3722	.0020	-.0021

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0007	.0000	.0178	-.0220
Stddev	.0005	.0069	.0001	.0005
%RSD	60.95	22660.	.6886	2.170
#1	.0004	-.0048	.0178	-.0216
#2	.0011	.0049	.0179	-.0223

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1310.6	56431.	16946.
Stddev	.4	302.	119.
%RSD	.03399	.53486	.70437
#1	1310.3	56218.	17030.
#2	1310.9	56645.	16862.

Zoom In Zoom Out

Sample Name: MC27421-1F Acquired: 12/30/2013 16:24:30 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	.0067	.0008	-.0006	.3702	.2191	.0000	169.4	-.0003	-.0003
Stddev	.0009	.0049	.0004	.0003	.0002	.0004	.000	.7	.0000	.0000
%RSD	1512.	73.48	56.57	45.41	.0657	.1764	2.193	.4073	14.20	11.92
#1	-.0006	.0032	.0005	-.0004	.3701	.2188	.0000	169.8	-.0002	-.0003
#2	.0007	.0102	.0011	-.0007	.3704	.2194	.0000	168.9	-.0003	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	.0003	.0397	6.585	49.91	.0256	.0000	39.22	.0031	.0001
Stddev	.0001	.0002	.0027	.026	.28	.0000	.0001	.01	.0000	.0008
%RSD	266.1	72.60	6.859	.3886	.5579	.0875	644.4	.0267	.4082	714.5
#1	.0000	.0005	.0417	6.603	50.10	.0256	-.0001	39.22	.0031	.0007
#2	.0001	.0001	.0378	6.567	49.71	.0257	.0001	39.21	.0031	-.0005

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0074	.0019	5.789	.0004	.0030	16.13	-.0007	.3605	.0016	-.0016
Stddev	.0006	.0033	.016	.0003	.0018	.02	.0002	.0004	.0002	.0011
%RSD	8.397	171.5	.2751	66.06	60.20	.1443	34.05	.1157	12.79	70.60
#1	-.0070	-.0004	5.778	.0002	.0043	16.11	-.0008	.3602	.0014	-.0023
#2	-.0078	.0042	5.800	.0006	.0018	16.15	-.0005	.3608	.0017	-.0008

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0003	.0048	.0125	-.0223
Stddev	.0001	.0017	.0001	.0005
%RSD	45.94	34.51	.7819	2.362
#1	.0004	.0060	.0125	-.0220
#2	.0002	.0036	.0126	-.0227

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1303.5	56565.	16971.
Stddev	4.5	394.	190.
%RSD	.34235	.69731	1.1191
#1	1306.7	56287.	16836.
#2	1300.4	56844.	17105.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/30/2013 16:29:24 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2705	9.757	1.959	-.0004	1.946	1.914	1.966	10.01	1.952	2.054
Stddev	.0003	.064	.000	.0005	.002	.007	.005	.02	.001	.001
%RSD	.1259	.6531	.0177	129.5	.1093	.3704	.2517	.2288	.0738	.0435
#1	.2707	9.802	1.959	.0000	1.944	1.919	1.969	10.03	1.951	2.055
#2	.2702	9.711	1.959	-.0007	1.947	1.909	1.962	9.997	1.953	2.054

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.979	1.914	9.965	9.493	9.886	1.956	1.956	9.702	1.931	1.956
Stddev	.003	.005	.020	.028	.035	.005	.004	.042	.002	.001
%RSD	.1580	.2418	.1984	.2926	.3490	.2549	.1840	.4294	.1108	.0649
#1	1.982	1.917	9.979	9.473	9.861	1.959	1.954	9.732	1.929	1.956
#2	1.977	1.911	9.951	9.512	9.910	1.952	1.959	9.673	1.932	1.955

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0009	.0058	-.0001	1.955	1.952	-.0160	2.008	1.952	1.954	1.928
Stddev	.0008	.0020	.0013	.000	.010	.0001	.001	.003	.002	.001
%RSD	88.90	34.68	2384.	.0203	.5126	.7087	.0387	.1610	.1084	.0558
#1	.0014	.0044	.0009	1.956	1.945	-.0159	2.009	1.954	1.955	1.928
#2	.0003	.0073	-.0010	1.955	1.959	-.0161	2.008	1.950	1.952	1.929

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.942	-.0107	1.976	.0064
Stddev	.004	.0050	.001	.0017
%RSD	.2252	46.53	.0342	26.25
#1	1.945	-.0071	1.975	.0075
#2	1.939	-.0142	1.976	.0052

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1377.1	57719.	17152.
Stddev	.9	169.	28.
%RSD	.06194	.29196	.16124
#1	1377.7	57600.	17171.
#2	1376.5	57838.	17132.

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/30/2013 16:34:11 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0002	-.0015	-.0007	.0000	F.0115	.0000	.0001	.0064	.0000
Stddev	.0004	.0034	.0004	.000	.0004	.0000	.0000	.0007	.0001
%RSD	189.4	226.9	57.19	610.3	3.372	110.3	24.45	11.22	379.5
#1	.0005	.0009	-.0010	.0001	.0112	.0000	.0001	.0059	.0001
#2	-.0001	-.0039	-.0004	-.0002	.0118	.0000	.0001	.0069	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	.0005	-.0008	-.0009	.0076	.0295	.0001	.0017	.2036
Stddev	.0003	.0002	.0004	.0008	.0006	.0263	.0000	.0003	.0035
%RSD	171.0	38.71	48.20	91.50	8.133	89.30	7.898	21.09	1.730
#1	.0004	.0004	-.0011	-.0003	.0072	.0481	.0001	.0019	.2061
#2	.0000	.0007	-.0005	-.0015	.0080	.0109	.0001	.0014	.2011

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0002	.0004	-.0005	-.0060	.0012	-.0006	.0002	.0006	.0000
Stddev	.0003	.0004	.0001	.0037	.0018	.0010	.0008	.0001	.0002
%RSD	155.7	110.9	15.31	60.93	149.5	155.4	333.7	12.67	581.7
#1	.0000	.0007	-.0006	-.0086	.0025	.0001	.0008	.0006	.0002
#2	.0005	.0001	-.0005	-.0034	-.0001	-.0013	-.0003	.0005	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0000	.0007	-.0007	.0002	-.0006	.0001	-.0009
Stddev	.000	.0002	.0002	.0002	.0001	.0000	.0003
%RSD	73.15	30.60	22.33	66.48	15.61	35.50	30.50
#1	.0000	.0008	-.0008	.0004	-.0007	.0002	-.0007
#2	.0000	.0005	-.0006	.0001	-.0006	.0001	-.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1374.7	57865.	17098.
Stddev	.1	285.	64.
%RSD	.01032	.49212	.37670
#1	1374.8	57664.	17052.
#2	1374.6	58067.	17143.

Zoom In Zoom Out

Sample Name: FA11147-1 Acquired: 12/30/2013 16:39:10 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	.0205	.0004	-.0008	.0200	.0122	.0000	15.10	.0011	.0000
Stddev	.0004	.0014	.0003	.0003	.0001	.0002	.0000	.02	.0000	.0002
%RSD	87.40	7.036	63.70	33.12	.7473	1.616	36.52	.1376	3.434	2023.
#1	.0002	.0216	.0002	-.0010	.0201	.0121	.0000	15.08	.0011	-.0001
#2	.0007	.0195	.0006	-.0006	.0199	.0124	.0000	15.11	.0011	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0003	.0122	.1048	1.774	3.133	.0037	.0016	9.661	.0013	.0001
Stddev	.0001	.0001	.0011	.009	.062	.0001	.0000	.008	.0003	.0016
%RSD	15.64	1.155	1.079	.5086	1.968	1.758	.9370	.0827	20.54	1234.
#1	.0004	.0121	.1040	1.768	3.089	.0036	.0016	9.656	.0011	-.0010
#2	.0003	.0123	.1056	1.780	3.176	.0037	.0016	9.667	.0015	.0013

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0001	-.0026	3.487	.0003	.0011	2.214	-.0005	.3331	.0063	-.0018
Stddev	.0006	.0002	.001	.0000	.0001	.003	.0001	.0002	.0010	.0008
%RSD	985.4	8.132	.0353	16.98	10.17	.1184	19.58	.0550	15.37	45.93
#1	.0004	-.0024	3.488	.0002	.0010	2.216	-.0005	.3330	.0056	-.0023
#2	-.0005	-.0027	3.486	.0003	.0011	2.212	-.0006	.3332	.0070	-.0012

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0002	-.0018	.0685	-.0039
Stddev	.0001	.0071	.0002	.0003
%RSD	49.42	390.8	.3047	8.393
#1	.0002	-.0068	.0687	-.0042
#2	.0003	.0032	.0684	-.0037

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1348.2	57278.	17240.
Stddev	3.4	62.	80.
%RSD	.25478	.10826	.46445
#1	1345.8	57322.	17297.
#2	1350.6	57234.	17184.

Zoom In Zoom Out

Sample Name: MC27417-5 Acquired: 12/30/2013 16:44:05 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0034	.7246	.0073	-.0004	.3745	.0084	.0000	51.01
Stddev	.0003	.0002	.0003	.0009	.0001	.0001	.0000	.16
%RSD	8.163	.0287	3.623	215.8	.0251	1.000	22.99	.3217
#1	.0035	.7244	.0071	.0002	.3746	.0084	.0000	51.12
#2	.0032	.7247	.0075	-.0011	.3744	.0085	.0000	50.89

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0087	.0143	.1228	.3919	.1079	18.92	.0182	.0003
Stddev	.0001	.0002	.0019	.0022	.0009	.05	.0012	.0000
%RSD	1.025	1.556	1.547	.5584	.8515	.2859	6.471	12.67
#1	.0086	.0145	.1242	.3934	.1073	18.96	.0174	.0003
#2	.0087	.0141	.1215	.3903	.1086	18.88	.0191	.0003

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0952	596.2	.1069	-.0005	-.0024	-.0091	F57.96	.0017
Stddev	.0002	3.4	.0004	.0007	.0006	.0014	.14	.0005
%RSD	.2339	.5630	.3548	142.0	22.81	15.31	.2362	28.41
#1	.0954	598.6	.1072	.0000	-.0020	-.0101	58.06	.0020
#2	.0951	593.8	.1067	-.0010	-.0028	-.0081	57.87	.0013

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0049	144.4	.0028	.1466	.0016	F-.0116	.1162	.0168
Stddev	.0017	.3	.0007	.0004	.0004	.0004	.0007	.0014
%RSD	34.28	.2233	23.20	.2660	23.79	3.741	.6350	8.405
#1	.0061	144.6	.0033	.1469	.0019	-.0113	.1167	.0178
#2	.0037	144.2	.0024	.1463	.0013	-.0119	.1157	.0158

Elem	Zn2062	Zr3391
Avg	.0177	-.2192
Stddev	.0002	.0003
%RSD	.8921	.1365
#1	.0178	-.2194
#2	.0176	-.2189

Zoom In Zoom Out

Sample Name: MC27417-5 Acquired: 12/30/2013 16:44:05 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1291.1	54551.	16572.
Stddev	2.2	120.	7.
%RSD	.17285	.21952	.04072
#1	1289.5	54466.	16567.
#2	1292.6	54636.	16577.

Zoom In Zoom Out

Sample Name: MC25612-1FAR Acquired: 12/30/2013 16:49:04 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	.0096	.0165	.0015	.0401	.0966	.0000	46.42	.0002	.0022
Stddev	.0001	.0028	.0007	.0002	.0001	.0002	.0001	.35	.0001	.0000
%RSD	194.9	29.02	3.948	13.04	.2544	.2138	276.8	.7464	26.40	1.532
#1	.0000	.0076	.0160	.0016	.0400	.0967	.0001	46.66	.0002	.0022
#2	.0002	.0115	.0169	.0014	.0401	.0964	.0000	46.17	.0002	.0022

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0003	.0011	9.002	9.527	3.419	1.879	.0011	284.7	.0007	-.0011
Stddev	.0002	.0001	.039	.040	.018	.002	.0000	3.8	.0003	.0004
%RSD	70.96	9.356	.4379	.4233	.5280	.1133	4.086	1.341	45.67	35.16
#1	.0004	.0012	9.030	9.556	3.432	1.877	.0011	287.4	.0010	-.0014
#2	.0001	.0010	8.975	9.499	3.406	1.880	.0011	282.0	.0005	-.0009

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0001	.0066	1.484	.0000	.0014	8.182	.0000	.1757	.0015	-.0035
Stddev	.0006	.0013	.031	.000	.0006	.016	.000	.0002	.0004	.0000
%RSD	906.1	19.42	2.092	532.9	43.40	.1964	778.8	.1153	26.30	.8221
#1	-.0003	.0057	1.506	.0000	.0009	8.170	.0001	.1756	.0018	-.0035
#2	.0005	.0075	1.462	.0000	.0018	8.193	-.0002	.1759	.0012	-.0035

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0001	-.0067	.0112	-.0123
Stddev	.0000	.0047	.0001	.0000
%RSD	25.59	71.03	1.260	.3110
#1	.0002	-.0033	.0113	-.0123
#2	.0001	-.0100	.0111	-.0123

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1320.1	56542.	17161.
Stddev	.1	128.	209.
%RSD	.00636	.22713	1.2204
#1	1320.2	56633.	17012.
#2	1320.0	56451.	17309.

Zoom In Zoom Out

Sample Name: MC27392-3 Acquired: 12/30/2013 16:54:05 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	.3408	.0008	.0163	.2471	.2157	.0000	63.80	.0010	.0091
Stddev	.0003	.0018	.0006	.0019	.0002	.0004	.0000	.07	.0000	.0002
%RSD	111.7	.5205	66.12	11.39	.0977	.1830	83.22	.1049	2.373	2.143
#1	.0005	.3420	.0004	.0176	.2469	.2155	.0000	63.76	.0010	.0092
#2	.0001	.3395	.0012	.0149	.2473	.2160	.0000	63.85	.0010	.0090

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0015	.0032	.6650	3.626	19.51	14.16	.0002	92.85	.0095	-.0005
Stddev	.0003	.0002	.0011	.016	.08	.02	.0000	.25	.0002	.0004
%RSD	20.98	7.756	.1704	.4533	.4164	.1161	23.72	.2745	2.259	77.64
#1	.0013	.0034	.6658	3.614	19.45	14.15	.0002	92.67	.0096	-.0007
#2	.0018	.0030	.6642	3.638	19.56	14.17	.0002	93.03	.0093	-.0002

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0045	.0916	12.27	.0006	-.0003	9.417	-.0009	.2504	.0134	-.0028
Stddev	.0002	.0021	.00	.0001	.0012	.006	.0007	.0002	.0007	.0002
%RSD	4.314	2.293	.0273	14.80	409.5	.0609	73.89	.0808	5.527	6.948
#1	-.0046	.0931	12.28	.0006	.0006	9.421	-.0004	.2502	.0140	-.0029
#2	-.0044	.0901	12.27	.0005	-.0012	9.413	-.0014	.2505	.0129	-.0026

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0008	-.0058	.0268	-.0148
Stddev	.0001	.0049	.0000	.0001
%RSD	8.507	84.91	.1073	.3749
#1	.0008	-.0023	.0268	-.0148
#2	.0007	-.0093	.0268	-.0148

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1341.4	57467.	17186.
Stddev	.7	19.	6.
%RSD	.05045	.03369	.03365
#1	1341.0	57481.	17190.
#2	1341.9	57454.	17181.

Zoom In Zoom Out

Sample Name: MC27392-5F Acquired: 12/30/2013 16:59:05 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	.0124	.0047	.0148	.8041	.4484	.0000	115.2	.0000	.0068
Stddev	.0002	.0047	.0005	.0004	.0012	.0012	.000	.5	.0000	.0001
%RSD	175.4	38.08	11.40	2.397	.1509	.2748	152.1	.4125	31.97	.8027
#1	.0000	.0157	.0043	.0150	.8049	.4492	.0000	114.8	.0000	.0069
#2	.0003	.0090	.0051	.0145	.8032	.4475	.0000	115.5	.0001	.0068

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0005	-.0003	11.46	5.011	45.28	13.17	.0026	174.7	.0046	-.0009
Stddev	.0001	.0004	.06	.028	.01	.07	.0000	1.4	.0002	.0003
%RSD	15.77	119.7	.5439	.5575	.0267	.5288	.5660	.7980	4.098	28.60
#1	.0005	-.0006	11.41	5.031	45.27	13.12	.0027	173.7	.0045	-.0007
#2	.0006	.0000	11.50	4.991	45.29	13.22	.0026	175.6	.0048	-.0011

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0046	.0832	8.276	.0005	.0016	10.75	-.0007	.4493	.0014	-.0031
Stddev	.0002	.0001	.030	.0009	.0007	.04	.0006	.0012	.0001	.0003
%RSD	5.022	.1384	.3610	194.8	42.40	.3656	85.11	.2716	3.750	8.365
#1	-.0048	.0831	8.298	-.0002	.0011	10.78	-.0003	.4502	.0013	-.0029
#2	-.0045	.0833	8.255	.0011	.0021	10.72	-.0011	.4484	.0014	-.0033

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0012	-.0027	.0255	-.0164
Stddev	.0003	.0018	.0000	.0005
%RSD	29.18	67.23	.0352	3.242
#1	-.0014	-.0040	.0255	-.0168
#2	-.0009	-.0014	.0255	-.0161

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1314.4	56808.	17055.
Stddev	4.6	345.	83.
%RSD	.35259	.60810	.48528
#1	1311.1	57053.	17114.
#2	1317.6	56564.	16997.

Zoom In Zoom Out

Sample Name: MC27392-6 Acquired: 12/30/2013 17:04:12 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0002	.0002	-.0003	.8305	.2266	.0000	97.69	.0002	.0008
Stddev	.0000	.0011	.0011	.0007	.0042	.0012	.000	.38	.0001	.0002
%RSD	17.49	721.2	627.4	277.1	.5103	.5420	1922.	.3845	38.09	31.90
#1	.0003	.0009	-.0006	-.0008	.8275	.2275	.0000	97.95	.0001	.0006
#2	.0002	-.0006	.0010	.0002	.8335	.2257	.0000	97.42	.0002	.0009

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0004	.0001	2.330	1.240	29.39	1.328	.0031	109.4	.0051	-.0007
Stddev	.0004	.0001	.036	.002	.32	.002	.0001	1.0	.0002	.0003
%RSD	88.61	131.7	1.545	.1699	1.093	.1154	4.018	.8905	3.395	37.57
#1	.0007	.0000	2.356	1.238	29.61	1.329	.0032	110.1	.0049	-.0005
#2	.0002	.0002	2.305	1.241	29.16	1.327	.0030	108.7	.0052	-.0009

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0046	.0056	5.392	.0004	.0019	10.82	-.0011	.4829	.0013	-.0035
Stddev	.0008	.0009	.000	.0001	.0008	.03	.0001	.0026	.0001	.0008
%RSD	16.72	16.05	.0015	25.06	42.78	.2470	9.413	.5396	7.360	23.06
#1	-.0041	.0062	5.392	.0003	.0025	10.80	-.0011	.4848	.0014	-.0029
#2	-.0051	.0049	5.392	.0005	.0013	10.84	-.0012	.4811	.0012	-.0040

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0004	-.0001	.0104	-.0165
Stddev	.0000	.0035	.0001	.0000
%RSD	6.911	2753.	.6664	.0423
#1	.0004	.0024	.0104	-.0164
#2	.0004	-.0026	.0105	-.0165

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1331.7	57077.	17132.
Stddev	1.9	7.	95.
%RSD	.13958	.01236	.55241
#1	1333.1	57072.	17065.
#2	1330.4	57082.	17199.

Zoom In Zoom Out

Sample Name: MC27392-6F Acquired: 12/30/2013 17:09:06 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0030	.0017	-.0001	.8336	.2283	.0000	97.83	.0002	.0009
Stddev	.0000	.0033	.0001	.0019	.0028	.0009	.000	.35	.0001	.0000
%RSD	7.115	112.7	4.861	2778.	.3334	.3764	29.06	.3527	51.34	2.793
#1	.0002	.0006	.0018	.0013	.8317	.2289	.0000	98.07	.0002	.0009
#2	.0002	.0053	.0016	-.0014	.8356	.2277	.0000	97.58	.0001	.0009

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0001	.0007	2.018	1.237	29.17	1.279	.0028	110.7	.0082	-.0007
Stddev	.0001	.0001	.025	.021	.16	.000	.0000	.3	.0001	.0003
%RSD	76.98	20.14	1.246	1.720	.5313	.0133	1.455	.2813	1.102	37.95
#1	.0002	.0006	2.036	1.252	29.28	1.279	.0029	110.5	.0082	-.0005
#2	.0001	.0008	2.001	1.222	29.06	1.280	.0028	110.9	.0081	-.0009

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0033	.0029	5.481	-.0002	.0021	11.01	-.0007	.4865	.0012	-.0036
Stddev	.0008	.0034	.000	.0006	.0020	.02	.0002	.0001	.0004	.0004
%RSD	24.99	116.4	.0051	347.9	94.27	.1746	25.07	.0239	29.75	11.46
#1	-.0038	.0005	5.481	-.0006	.0007	11.00	-.0006	.4865	.0010	-.0033
#2	-.0027	.0053	5.481	.0003	.0035	11.02	-.0009	.4866	.0015	-.0038

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0001	-.0017	.0141	-.0171
Stddev	.0004	.0003	.0001	.0000
%RSD	351.6	18.84	.5782	.1264
#1	-.0002	-.0015	.0141	-.0171
#2	.0004	-.0019	.0142	-.0171

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1329.7	57597.	17108.
Stddev	1.0	78.	73.
%RSD	.07288	.13565	.42732
#1	1329.1	57652.	17057.
#2	1330.4	57541.	17160.

Zoom In Zoom Out

Sample Name: MC27399-1 Acquired: 12/30/2013 17:14:01 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0003	15.98	.0168	-.0034	.2424	.0781	.0000	29.97
Stddev	.0001	.07	.0008	.0019	.0001	.0003	.0000	.01
%RSD	45.60	.4083	4.925	57.12	.0299	.3777	28.96	.0260
#1	.0004	16.03	.0174	-.0020	.2425	.0783	.0000	29.97
#2	.0002	15.93	.0162	-.0047	.2424	.0778	.0000	29.96

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0003	.0003	.0158	.0141	1.368	171.6	.1263	.0065
Stddev	.0001	.0000	.0001	.0006	.004	.6	.0158	.0000
%RSD	21.83	4.054	.6935	4.525	.3011	.3768	12.47	.5844
#1	.0003	.0003	.0159	.0146	1.371	172.1	.1375	.0065
#2	.0003	.0003	.0157	.0137	1.365	171.2	.1152	.0066

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0526	601.0	.0041	-.0001	-.0005	-.0006	F27.56	.0015
Stddev	.0001	7.1	.0002	.0005	.0011	.0021	.01	.0002
%RSD	.2113	1.179	5.251	691.9	207.2	342.1	.0301	14.51
#1	.0527	596.0	.0042	-.0005	.0002	.0009	27.56	.0013
#2	.0525	606.0	.0039	.0003	-.0013	-.0021	27.57	.0016

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0033	16.69	.0046	2.479	.0057	F-.0089	.0321	.0228
Stddev	.0002	.04	.0006	.058	.0001	.0013	.0001	.0042
%RSD	6.374	.2184	12.74	2.346	1.637	14.37	.1575	18.33
#1	.0035	16.66	.0050	2.437	.0057	-.0098	.0321	.0257
#2	.0032	16.71	.0042	2.520	.0056	-.0080	.0321	.0198

Elem	Zn2062	Zr3391
Avg	.0078	-.0245
Stddev	.0002	.0000
%RSD	2.217	.1234
#1	.0077	-.0245
#2	.0080	-.0246

Zoom In Zoom Out

Sample Name: MC27399-1 Acquired: 12/30/2013 17:14:01 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1315.1	56944.	17118.
Stddev	.2	178.	49.
%RSD	.01884	.31172	.28606
#1	1315.3	56819.	17153.
#2	1314.9	57070.	17084.

Zoom In Zoom Out

Sample Name: MC27407-1 Acquired: 12/30/2013 17:19:07 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	.1661	.0060	-.0012	.1282	.0690	.0000	33.54	.0001	-.0001
Stddev	.0001	.0053	.0002	.0017	.0006	.0003	.000	.02	.0002	.0001
%RSD	32.43	3.203	3.135	134.9	.4987	.4635	13.82	.0634	124.8	235.5
#1	.0004	.1623	.0061	-.0001	.1278	.0693	.0000	33.52	.0003	-.0001
#2	.0003	.1698	.0059	-.0024	.1287	.0688	.0000	33.55	.0000	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0008	.0009	.4425	2.506	7.313	.0697	.0091	10.87	.0027	.0004
Stddev	.0002	.0001	.0002	.009	.037	.0008	.0001	.01	.0004	.0000
%RSD	19.01	5.594	.0468	.3715	.5031	1.086	1.218	.0647	13.32	6.373
#1	.0007	.0009	.4426	2.512	7.287	.0692	.0090	10.87	.0025	.0004
#2	.0009	.0010	.4423	2.499	7.339	.0703	.0092	10.86	.0030	.0005

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0010	.0019	6.092	-.0001	.0027	4.388	-.0007	.2656	.0051	-.0025
Stddev	.0004	.0028	.003	.0003	.0002	.009	.0003	.0004	.0000	.0008
%RSD	37.09	148.3	.0510	336.3	6.046	.2043	51.86	.1443	.1294	29.68
#1	-.0007	-.0001	6.094	.0001	.0028	4.382	-.0004	.2653	.0051	-.0031
#2	-.0012	.0039	6.090	-.0003	.0025	4.394	-.0009	.2659	.0051	-.0020

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0022	.0006	.0157	-.0077
Stddev	.0000	.0008	.0000	.0005
%RSD	1.777	140.2	.3122	7.016
#1	.0022	.0000	.0157	-.0081
#2	.0021	.0011	.0157	-.0073

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1343.7	58879.	17543.
Stddev	1.2	385.	50.
%RSD	.09238	.65304	.28724
#1	1344.5	59151.	17579.
#2	1342.8	58607.	17508.

Zoom In Zoom Out

Sample Name: MC27412-2 Acquired: 12/30/2013 17:24:04 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	.0512	.0020	.0019	.0152	.0947	.0000	85.94	-.0002	-.0006
Stddev	.0001	.0033	.0003	.0009	.0000	.0007	.0000	.05	.0001	.0001
%RSD	155.3	6.443	15.75	48.06	.0302	.7036	204.1	.0535	49.78	20.39
#1	.0001	.0535	.0018	.0025	.0152	.0951	.0000	85.90	-.0001	-.0005
#2	.0000	.0488	.0022	.0012	.0152	.0942	.0000	85.97	-.0002	-.0007

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0001	.0000	38.89	2.030	11.80	3.307	-.0001	9.995	.0013	.0001
Stddev	.0001	.001	.00	.004	.07	.006	.0000	.005	.0002	.0010
%RSD	81.63	2265.	.0086	.1940	.5812	.1939	21.70	.0494	18.42	1896.
#1	.0001	-.0005	38.88	2.027	11.85	3.312	-.0001	9.992	.0012	-.0007
#2	.0002	.0005	38.89	2.033	11.75	3.303	-.0001	9.999	.0015	.0008

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0015	.0129	3.527	.0010	.0016	8.419	-.0002	.1995	.0034	-.0025
Stddev	.0012	.0041	.002	.0008	.0002	.018	.0002	.0003	.0003	.0007
%RSD	78.60	31.61	.0494	87.39	15.14	.2128	106.3	.1716	8.614	26.04
#1	-.0007	.0157	3.528	.0016	.0018	8.406	.0000	.1993	.0036	-.0020
#2	-.0023	.0100	3.525	.0004	.0015	8.431	-.0003	.1998	.0032	-.0030

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0004	.0034	.0093	-.0142
Stddev	.0002	.0060	.0000	.0001
%RSD	62.07	176.7	.3957	.6708
#1	.0002	-.0009	.0092	-.0141
#2	.0005	.0077	.0093	-.0142

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1322.0	58603.	17237.
Stddev	1.1	66.	3.
%RSD	.08591	.11215	.01695
#1	1322.8	58650.	17239.
#2	1321.2	58557.	17235.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/30/2013 17:28:59 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2645	9.803	1.997	-.0009	1.949	1.896	1.920	9.872	1.950	2.073
Stddev	.0007	.023	.000	.0004	.002	.000	.001	.009	.001	.003
%RSD	.2629	.2389	.0141	43.83	.1039	.0060	.0381	.0955	.0503	.1377
#1	.2640	9.819	1.997	-.0006	1.948	1.896	1.920	9.879	1.951	2.075
#2	.2650	9.786	1.997	-.0012	1.950	1.896	1.921	9.866	1.950	2.071

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.898	1.863	10.21	9.369	9.502	1.848	1.973	9.846	1.914	1.989
Stddev	.003	.001	.02	.000	.026	.000	.001	.019	.002	.001
%RSD	.1798	.0459	.1603	.0007	.2707	.0228	.0333	.1910	.1054	.0436
#1	1.895	1.864	10.22	9.369	9.484	1.848	1.972	9.859	1.915	1.988
#2	1.900	1.863	10.19	9.369	9.521	1.847	1.973	9.833	1.912	1.990

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0004	.0091	-.0069	1.991	2.000	-.0100	2.091	1.910	1.892	1.930
Stddev	.0002	.0020	.0002	.002	.001	.0006	.000	.033	.002	.003
%RSD	40.85	22.03	3.376	.0742	.0505	5.838	.0050	1.726	.1257	.1676
#1	.0003	.0105	-.0067	1.992	2.001	-.0105	2.091	1.934	1.893	1.932
#2	.0006	.0077	-.0071	1.990	2.000	-.0096	2.091	1.887	1.890	1.927

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.850	-.0135	1.996	-.0060
Stddev	.001	.0056	.002	.0002
%RSD	.0255	41.24	.1218	3.171
#1	1.851	-.0096	1.998	-.0059
#2	1.850	-.0175	1.995	-.0062

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1357.3	59636.	17502.
Stddev	2.0	112.	5.
%RSD	.14833	.18790	.02864
#1	1358.8	59715.	17499.
#2	1355.9	59557.	17506.

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/30/2013 17:33:47 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	-.0006	-.0002	.0000	.0083	-.0003	.0001	.0068	.0001	.0000
Stddev	.0000	.0086	.0003	.000	.0002	.0001	.0000	.0001	.0000	.0001
%RSD	6.675	1371.	146.6	1290.	2.154	18.96	27.51	1.716	25.50	380.1
#1	.0005	-.0067	.0000	-.0002	.0085	-.0002	.0001	.0067	.0001	.0001
#2	.0005	.0055	-.0005	.0001	.0082	-.0003	.0002	.0069	.0001	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0003	.0001	.0022	.0227	.0034	.0000	.0018	.2199	.0005	.0000
Stddev	.0002	.0002	.0001	.0069	.0050	.0001	.0005	.0054	.0002	.001
%RSD	68.29	305.9	3.482	30.48	145.5	679.0	28.61	2.441	42.64	13770.
#1	.0004	.0002	.0021	.0178	.0069	.0000	.0021	.2161	.0007	.0005
#2	.0001	-.0001	.0023	.0276	-.0001	.0001	.0014	.2237	.0004	-.0005

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0005	-.0018	-.0027	.0003	.0012	.0013	.0004	.0000	.0007	.0004
Stddev	.0003	.0031	.0011	.0004	.0002	.0005	.0001	.0000	.0001	.0002
%RSD	50.87	176.9	39.59	144.6	19.13	38.81	21.41	289.9	18.39	63.34
#1	-.0003	-.0040	-.0019	.0005	.0014	.0009	.0003	.0000	.0008	.0005
#2	-.0007	.0004	-.0034	.0000	.0011	.0016	.0005	.0000	.0006	.0002

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0003	.0003	.0002	-.0012
Stddev	.0002	.0053	.0002	.0001
%RSD	45.65	1639.	115.9	6.030
#1	.0004	-.0034	.0003	-.0013
#2	.0002	.0041	.0000	-.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1349.2	59362.	17273.
Stddev	5.6	197.	133.
%RSD	.41783	.33194	.76914
#1	1353.2	59223.	17367.
#2	1345.2	59502.	17179.

Zoom In Zoom Out

Sample Name: MC27412-4 Acquired: 12/30/2013 17:38:46 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	.0654	.0012	-.0004	.0269	.0119	.0001	38.52	.0000	-.0004
Stddev	.0002	.0033	.0009	.0005	.0001	.0001	.0000	.04	.000	.0001
%RSD	76.40	5.063	75.35	140.4	.5344	.7421	7.662	.1112	977.6	25.08
#1	.0001	.0678	.0005	-.0008	.0268	.0119	.0001	38.49	.0001	-.0003
#2	.0004	.0631	.0018	.0000	.0270	.0120	.0001	38.55	-.0001	-.0005

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0010	.0010	1.710	1.222	3.431	.0122	.0014	7.168	.0007	.0006
Stddev	.0000	.0002	.004	.005	.012	.0001	.0000	.026	.0001	.0003
%RSD	1.890	17.50	.2185	.3738	.3605	.6998	.2505	.3630	14.80	56.53
#1	.0010	.0009	1.707	1.226	3.439	.0121	.0014	7.150	.0007	.0009
#2	.0010	.0011	1.712	1.219	3.422	.0123	.0014	7.187	.0006	.0004

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0015	-.0007	5.515	-.0003	.0014	7.582	-.0004	.0337	.0040	-.0015
Stddev	.0003	.0024	.012	.0012	.0007	.001	.0001	.0000	.0001	.0008
%RSD	20.98	344.8	.2126	457.2	54.38	.0145	15.74	.1092	3.011	50.81
#1	-.0013	-.0024	5.523	-.0011	.0019	7.583	-.0004	.0337	.0041	-.0021
#2	-.0018	.0010	5.506	.0006	.0008	7.581	-.0003	.0336	.0039	-.0010

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0004	-.0057	.0077	-.0128
Stddev	.0001	.0016	.0000	.0000
%RSD	34.46	27.85	.1736	.0956
#1	.0003	-.0068	.0077	-.0128
#2	.0005	-.0046	.0077	-.0128

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1320.6	58783.	17369.
Stddev	.0	142.	13.
%RSD	.00200	.24179	.07300
#1	1320.6	58682.	17378.
#2	1320.6	58883.	17360.

Zoom In Zoom Out

Sample Name: MC27412-6 Acquired: 12/30/2013 17:43:41 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0004	.0048	.0001	-.0007	.0295	1.487	.0000	213.5
Stddev	.0004	.0088	.0035	.0006	.0001	.015	.000	1.3
%RSD	104.8	182.1	2382.	83.48	.2719	.9857	151.3	.6123
#1	.0007	.0111	.0026	-.0003	.0295	1.498	-.0001	214.4
#2	.0001	-.0014	-.0023	-.0011	.0296	1.477	.0000	212.6

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	-.0003	-.0007	.0005	.0010	.0068	6.883	28.46	.0017
Stddev	.0001	.0000	.0004	.0000	.0020	.086	.13	.0000
%RSD	32.17	.9590	79.16	3.828	29.64	1.249	.4616	1.841
#1	-.0004	-.0007	.0007	.0010	.0054	6.944	28.55	.0016
#2	-.0003	-.0007	.0002	.0010	.0082	6.822	28.37	.0017

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0005	582.3	.0017	-.0004	-.0079	-.0024	3.704	.0000
Stddev	.0000	12.5	.0001	.0003	.0012	.0018	.005	.000
%RSD	9.771	2.146	3.230	66.08	15.20	75.40	.1473	565.0
#1	.0005	591.1	.0016	-.0006	-.0087	-.0011	3.707	.0001
#2	.0004	573.4	.0017	-.0002	-.0070	-.0037	3.700	-.0002

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0015	8.439	-.0011	.4227	.0018	F-.0071	.0003	-.0043
Stddev	.0009	.013	.0002	.0029	.0003	.0006	.0002	.0002
%RSD	62.26	.1571	18.47	.6949	18.67	8.439	62.28	5.123
#1	.0021	8.448	-.0013	.4248	.0021	-.0067	.0002	-.0045
#2	.0008	8.429	-.0010	.4207	.0016	-.0076	.0004	-.0042

Elem	Zn2062	Zr3391
Avg	.0069	-.0114
Stddev	.0001	.0005
%RSD	2.127	4.476
#1	.0070	-.0110
#2	.0068	-.0118

Zoom In Zoom Out

Sample Name: MC27412-6 Acquired: 12/30/2013 17:43:41 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1243.7	56368.	16735.
Stddev	.0	517.	129.
%RSD	.00132	.91695	.77296
#1	1243.7	56002.	16643.
#2	1243.7	56733.	16826.

Zoom In Zoom Out

Sample Name: MC27412-8 Acquired: 12/30/2013 17:48:47 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	.0057	.0005	-.0006	.0448	.0359	.0000	4.444	.0000	-.0003
Stddev	.0002	.0005	.0003	.0003	.0003	.0005	.0000	.089	.000	.0002
%RSD	111.4	8.463	56.71	55.27	.7227	1.481	13.25	1.996	336.8	81.01
#1	.0004	.0061	.0006	-.0008	.0450	.0355	.0000	4.382	.0000	-.0001
#2	.0000	.0054	.0003	-.0004	.0445	.0363	.0000	4.507	-.0001	-.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0013	.0019	.0026	.9984	.5536	.0000	.0015	137.3	-.0002	.0002
Stddev	.0002	.0001	.0000	.0282	.0210	.0000	.0001	2.4	.0001	.0003
%RSD	18.31	5.758	.8737	2.821	3.794	32.29	3.679	1.738	45.88	180.2
#1	.0015	.0019	.0026	.9785	.5387	.0000	.0016	135.6	-.0001	.0004
#2	.0012	.0020	.0026	1.018	.5684	.0001	.0015	138.9	-.0003	.0000

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0005	-.0025	2.409	-.0001	.0017	4.471	.0002	.0135	.0002	-.0027
Stddev	.0006	.0020	.007	.0006	.0001	.000	.0007	.0002	.0002	.0001
%RSD	132.8	82.47	.2742	914.3	8.391	.0075	391.8	1.754	81.08	3.678
#1	-.0009	-.0010	2.404	.0003	.0018	4.472	-.0003	.0134	.0003	-.0027
#2	.0000	-.0039	2.413	-.0005	.0016	4.471	.0006	.0137	.0001	-.0028

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0002	-.0045	.0072	-.0079
Stddev	.0002	.0004	.0001	.0001
%RSD	70.09	9.440	1.194	1.714
#1	.0001	-.0048	.0073	-.0080
#2	.0003	-.0042	.0071	-.0078

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1321.4	58155.	16905.
Stddev	1.9	170.	485.
%RSD	.14275	.29266	2.8682
#1	1320.1	58034.	17247.
#2	1322.8	58275.	16562.

Zoom In Zoom Out

Sample Name: MC27416-3F Acquired: 12/30/2013 17:53:48 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	.0013	.0001	-.0011	.0229	.0096	.0000	10.81	.0001	-.0002
Stddev	.0001	.0045	.0007	.0003	.0002	.0002	.0000	.03	.0000	.0001
%RSD	18.15	350.4	437.3	25.60	.7189	1.805	65.54	.3152	9.627	30.58
#1	.0006	.0045	.0006	-.0013	.0230	.0098	.0001	10.84	.0001	-.0003
#2	.0005	-.0019	-.0003	-.0009	.0228	.0095	.0000	10.79	.0001	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0001	.0001	.0018	3.063	.9513	.0024	.0002	49.16	.0001	-.0012
Stddev	.0004	.0002	.0003	.009	.0051	.0000	.0000	.09	.0001	.0006
%RSD	335.2	151.0	14.44	.3009	.5386	1.213	4.517	.1829	76.78	50.53
#1	-.0002	.0000	.0017	3.057	.9549	.0025	.0002	49.09	.0001	-.0007
#2	.0004	.0002	.0020	3.070	.9477	.0024	.0002	49.22	.0000	-.0016

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0008	.0000	9.067	-.0005	.0023	5.498	-.0001	.0902	.0007	-.0027
Stddev	.0014	.0005	.026	.0008	.0002	.010	.0005	.0001	.0005	.0015
%RSD	173.4	6037.	.2926	148.1	9.120	.1767	443.8	.1041	66.71	56.33
#1	.0002	-.0004	9.086	-.0010	.0024	5.505	.0002	.0902	.0011	-.0016
#2	-.0017	.0004	9.048	.0000	.0021	5.491	-.0004	.0901	.0004	-.0038

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0003	-.0027	.0120	-.0099
Stddev	.0004	.0039	.0000	.0001
%RSD	108.2	141.1	.2518	.5975
#1	.0001	-.0055	.0119	-.0100
#2	.0006	.0000	.0120	-.0099

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1334.0	58413.	17343.
Stddev	1.9	60.	64.
%RSD	.13953	.10195	.37118
#1	1332.7	58371.	17297.
#2	1335.4	58455.	17388.

Zoom In Zoom Out

Sample Name: MC27416-5F Acquired: 12/30/2013 17:58:42 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0004	.2126	.0035	-.0013	.0122	.0982	.0000	F601.5	-.0015
Stddev	.0002	.0003	.0013	.0005	.0002	.0000	.000	5.1	.0001
%RSD	44.06	.1515	38.47	39.48	1.580	.0502	36.21	.8409	4.834
#1	.0006	.2124	.0044	-.0009	.0123	.0982	.0000	597.9	-.0014
#2	.0003	.2129	.0025	-.0017	.0120	.0983	.0000	605.1	-.0015

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0007	.0163	.0034	.0039	13.58	.0219	.0007	.0104	84.60
Stddev	.0001	.0001	.0004	.0027	.03	.0179	.0000	.0001	.21
%RSD	10.56	.4333	10.59	69.44	.2001	81.49	5.082	.5963	.2510
#1	-.0007	.0163	.0037	.0020	13.56	.0346	.0008	.0104	84.75
#2	-.0008	.0162	.0032	.0058	13.60	.0093	.0007	.0103	84.45

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0051	.0020	-.0214	.0020	1.075	.0003	.0060	.3556	-.0017
Stddev	.0003	.0004	.0011	.0034	.007	.0002	.0004	.0009	.0010
%RSD	6.247	21.71	5.123	168.2	.6790	90.33	5.841	.2552	58.23
#1	.0053	.0017	-.0206	-.0004	1.070	.0004	.0058	.3549	-.0010
#2	.0049	.0023	-.0222	.0045	1.080	.0001	.0063	.3562	-.0024

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4480	.0031	-.0010	.0000	-.0036	.0094	.0010
Stddev	.0004	.0002	.0009	.000	.0016	.0001	.0003
%RSD	.0896	5.006	89.76	4641.	45.96	.9889	27.40
#1	.4477	.0032	-.0017	.0001	-.0047	.0094	.0008
#2	.4482	.0030	-.0004	-.0001	-.0024	.0095	.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1247.9	56213.	16738.
Stddev	.9	59.	125.
%RSD	.07169	.10463	.74769
#1	1248.6	56255.	16827.
#2	1247.3	56172.	16650.

Zoom In Zoom Out

Sample Name: MC27416-8F Acquired: 12/30/2013 18:03:43 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	.0090	.1101	.0014	.0385	.0118	.0000	50.37	.0011	-.0001
Stddev	.0008	.0071	.0031	.0007	.0004	.0003	.0000	.06	.0001	.0001
%RSD	1525.	78.76	2.798	48.91	.9886	2.430	132.1	.1171	9.648	97.71
#1	.0006	.0140	.1079	.0019	.0382	.0116	.0000	50.33	.0010	-.0002
#2	-.0005	.0040	.1123	.0009	.0388	.0120	.0000	50.41	.0012	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0004	.0002	.4521	3.825	2.438	2.536	.0064	64.42	.0011	-.0004
Stddev	.0004	.0001	.0002	.038	.018	.005	.0001	.06	.0001	.0001
%RSD	123.5	34.75	.0548	1.005	.7343	.2054	1.295	.0921	13.52	20.05
#1	.0000	.0002	.4523	3.798	2.425	2.540	.0064	64.38	.0012	-.0003
#2	.0007	.0001	.4520	3.852	2.450	2.532	.0063	64.47	.0010	-.0005

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0021	.0179	3.255	.0030	.0013	7.188	-.0011	.1573	.0008	-.0031
Stddev	.0003	.0071	.007	.0003	.0014	.004	.0005	.0001	.0001	.0002
%RSD	16.30	39.95	.2295	9.884	107.4	.0562	42.40	.0782	18.08	6.480
#1	-.0019	.0229	3.250	.0028	.0022	7.191	-.0008	.1573	.0007	-.0030
#2	-.0024	.0128	3.261	.0032	.0003	7.185	-.0014	.1572	.0009	-.0032

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0013	-.0042	.0078	-.0120
Stddev	.0003	.0033	.0002	.0000
%RSD	23.32	78.61	2.142	.3100
#1	.0015	-.0065	.0079	-.0120
#2	.0011	-.0019	.0077	-.0120

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1324.7	58330.	17245.
Stddev	.9	63.	39.
%RSD	.07160	.10872	.22666
#1	1324.0	58285.	17273.
#2	1325.4	58375.	17218.

Zoom In Zoom Out

Sample Name: MP22327-S1 Acquired: 12/30/2013 18:08:38 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2246	2.182	.5717	-.0084	.2265	7.704	.4982	215.0	.5141	.5394
Stddev	.0077	.021	.0054	.0026	.0039	.032	.0024	1.7	.0010	.0052
%RSD	3.422	.9853	.9392	30.54	1.726	.4131	.4741	.7845	.1930	.9702
#1	.2300	2.197	.5755	-.0102	.2293	7.727	.4998	216.2	.5134	.5357
#2	.2191	2.167	.5679	-.0066	.2238	7.682	.4965	213.8	.5148	.5431

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5230	.4832	2.177	62.96	66.04	.6470	.0233	577.4	.4994	1.046
Stddev	.0005	.0009	.005	.00	1.01	.0004	.0005	1.4	.0039	.012
%RSD	.0904	.1876	.2431	.0058	1.523	.0688	2.138	.2430	.7863	1.136
#1	.5233	.4825	2.173	62.96	66.75	.6473	.0230	578.4	.4966	1.037
#2	.5226	.4838	2.181	62.96	65.33	.6466	.0237	576.4	.5021	1.054

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0110	-.0135	9.557	.5204	.5119	5.681	-.0077	4.527	.4986	.4831
Stddev	.0045	.0036	.067	.0059	.0025	.039	.0029	.015	.0053	.0069
%RSD	40.91	26.87	.6993	1.140	.4977	.6871	37.11	.3262	1.053	1.427
#1	-.0142	-.0109	9.510	.5162	.5137	5.653	-.0057	4.537	.4949	.4782
#2	-.0078	-.0160	9.605	.5246	.5101	5.708	-.0098	4.517	.5023	.4880

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5119	-.0722	.5491	-.0163
Stddev	.0004	.0070	.0038	.0051
%RSD	.0748	9.753	.6982	31.50
#1	.5117	-.0772	.5464	-.0127
#2	.5122	-.0673	.5518	-.0199

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1352.0	58915.	17211.
Stddev	7.3	307.	164.
%RSD	.54038	.52065	.95054
#1	1357.2	58698.	17096.
#2	1346.9	59132.	17327.

Zoom In Zoom Out

Sample Name: MP22327-S2 Acquired: 12/30/2013 18:13:27 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2225	2.160	.5561	-.0047	.2288	7.750	.5012	217.3	.5131	.5402
Stddev	.0019	.015	.0010	.0105	.0028	.056	.0011	.5	.0012	.0022
%RSD	.8674	.6804	.1736	220.7	1.230	.7180	.2114	.2250	.2373	.4014
#1	.2239	2.171	.5554	.0027	.2268	7.790	.5020	217.6	.5140	.5418
#2	.2212	2.150	.5567	-.0122	.2307	7.711	.5005	217.0	.5122	.5387

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5267	.4837	2.197	64.02	66.80	.6459	.0243	584.5	.4990	1.039
Stddev	.0006	.0063	.003	.05	.17	.0047	.0021	1.9	.0012	.004
%RSD	.1180	1.293	.1331	.0817	.2554	.7259	8.800	.3314	.2498	.3973
#1	.5263	.4793	2.199	63.99	66.67	.6426	.0258	585.9	.4998	1.036
#2	.5271	.4881	2.195	64.06	66.92	.6492	.0228	583.1	.4981	1.042

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0049	-.0502	9.745	.5202	.5133	5.785	-.0023	4.587	.4966	.4798
Stddev	.0052	.0178	.023	.0026	.0019	.012	.0002	.017	.0022	.0061
%RSD	107.7	35.50	.2334	.5054	.3772	.1986	9.438	.3712	.4473	1.277
#1	.0085	-.0376	9.761	.5221	.5147	5.777	-.0022	4.599	.4950	.4755
#2	.0012	-.0628	9.729	.5183	.5119	5.793	-.0025	4.575	.4981	.4842

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5071	-.0675	.5517	-.0179
Stddev	.0028	.0084	.0046	.0021
%RSD	.5501	12.40	.8370	11.51
#1	.5091	-.0735	.5485	-.0194
#2	.5051	-.0616	.5550	-.0165

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1347.6	59277.	17251.
Stddev	.2	233.	6.
%RSD	.01390	.39254	.03672
#1	1347.5	59441.	17247.
#2	1347.8	59112.	17255.

Zoom In Zoom Out

Sample Name: MC27399-2 Acquired: 12/30/2013 18:18:18 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0040	.0255	.0039	-.0078	.2241	5.801	.0004	192.8	.0006	-.0003
Stddev	.0007	.0341	.0103	.0050	.0037	.005	.0001	.1	.0013	.0004
%RSD	17.23	133.7	265.2	63.16	1.669	.0905	33.64	.0368	208.4	127.4
#1	.0045	.0496	-.0034	-.0043	.2215	5.805	.0005	192.8	-.0003	-.0005
#2	.0035	.0014	.0111	-.0113	.2268	5.798	.0003	192.7	.0016	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0238	-.0041	.0402	38.94	41.13	.1581	.0235	562.4	.0003	-.0010
Stddev	.0001	.0050	.0076	.20	.12	.0005	.0009	1.4	.0012	.0015
%RSD	.5301	121.5	18.81	.5254	.3013	.3409	3.638	.2568	464.8	153.2
#1	.0237	-.0006	.0348	39.09	41.22	.1585	.0241	561.4	-.0006	.0001
#2	.0239	-.0077	.0455	38.80	41.05	.1577	.0229	563.4	.0011	-.0020

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0040	-.0056	9.759	-.0014	-.0073	5.798	-.0113	4.092	.0084	-.0140
Stddev	.0075	.0047	.039	.0040	.0071	.012	.0039	.004	.0028	.0026
%RSD	188.2	83.13	.3996	290.1	97.63	.2076	34.18	.1018	33.31	18.59
#1	.0013	-.0023	9.731	-.0042	-.0123	5.789	-.0086	4.089	.0104	-.0159
#2	-.0093	-.0089	9.787	.0014	-.0023	5.806	-.0140	4.095	.0064	-.0122

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0015	-.0625	.0158	-.0205
Stddev	.0002	.0149	.0011	.0002
%RSD	10.85	23.90	6.967	.8606
#1	.0016	-.0730	.0150	-.0203
#2	.0014	-.0519	.0166	-.0206

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1344.7	59269.	17323.
Stddev	.5	21.	54.
%RSD	.03963	.03459	.31436
#1	1345.1	59284.	17361.
#2	1344.4	59255.	17284.

Zoom In Zoom Out

Sample Name: MP22327-SD1 Acquired: 12/30/2013 18:23:13 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 50X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0518	-.1336	-.0099	-.0400	.4045	5.838	.0026	196.6	-.0062	-.0043
Stddev	.0038	.1717	.0009	.0272	.0193	.058	.0014	1.4	.0009	.0022
%RSD	7.391	128.6	9.510	68.04	4.778	.9983	51.59	.7190	15.27	51.32
#1	.0545	-.0122	-.0105	-.0208	.3909	5.879	.0036	197.6	-.0055	-.0059
#2	.0490	-.2550	-.0092	-.0593	.4182	5.797	.0017	195.6	-.0068	-.0028

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0210	-.0132	-.0293	38.96	41.03	.1592	.0322	577.4	.0075	.0148
Stddev	.0159	.0069	.0339	.71	.02	.0046	.0049	4.5	.0163	.0328
%RSD	75.79	52.31	115.4	1.810	.0393	2.896	15.17	.7712	217.0	221.7
#1	.0323	-.0083	-.0054	38.46	41.02	.1559	.0356	580.5	.0190	-.0084
#2	.0097	-.0181	-.0533	39.46	41.04	.1624	.0287	574.2	-.0040	.0380

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0195	-.0374	9.502	-.0047	.0384	5.783	-.0097	4.146	.0308	-.0256
Stddev	.0515	.0232	.038	.0355	.0162	.048	.0222	.023	.0005	.0085
%RSD	263.9	62.08	.3980	760.0	42.22	.8280	227.7	.5609	1.690	33.20
#1	-.0559	-.0538	9.475	.0204	.0499	5.749	.0059	4.162	.0305	-.0316
#2	.0169	-.0210	9.529	-.0297	.0269	5.817	-.0254	4.129	.0312	-.0196

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0072	-.0371	.0358	-.0815
Stddev	.0018	.0453	.0045	.0042
%RSD	24.99	122.0	12.55	5.095
#1	-.0059	-.0691	.0326	-.0844
#2	-.0085	-.0051	.0390	-.0785

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1351.8	59736.	17238.
Stddev	4.3	53.	65.
%RSD	.31926	.08798	.37946
#1	1354.9	59774.	17191.
#2	1348.8	59699.	17284.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/30/2013 18:28:10 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2630	9.799	1.999	.0003	1.947	1.892	1.907	9.878	1.955	2.083
Stddev	.0009	.033	.004	.0009	.001	.004	.006	.009	.004	.002
%RSD	.3315	.3312	.1958	336.7	.0539	.2154	.3002	.0929	.1840	.0730
#1	.2636	9.776	1.996	.0009	1.946	1.890	1.903	9.872	1.953	2.082
#2	.2624	9.822	2.002	-.0004	1.948	1.895	1.911	9.885	1.958	2.084

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.894	1.848	10.23	9.359	9.425	1.829	1.983	9.837	1.911	2.001
Stddev	.002	.005	.01	.019	.049	.000	.004	.015	.001	.002
%RSD	.0822	.2484	.0992	.2075	.5177	.0001	.2113	.1488	.0260	.0746
#1	1.893	1.852	10.22	9.345	9.390	1.830	1.981	9.827	1.912	2.000
#2	1.895	1.845	10.23	9.373	9.459	1.829	1.986	9.847	1.911	2.002

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0013	.0104	-.0121	2.006	2.008	-.0132	2.116	1.932	1.893	1.934
Stddev	.0004	.0000	.0002	.002	.000	.0019	.000	.010	.001	.001
%RSD	28.78	.4696	2.001	.1031	.0077	14.11	.0152	.5394	.0730	.0348
#1	.0010	.0104	-.0120	2.004	2.008	-.0146	2.115	1.940	1.894	1.933
#2	.0015	.0104	-.0123	2.007	2.009	-.0119	2.116	1.925	1.892	1.934

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.843	-.0169	2.004	-.0082
Stddev	.002	.0038	.002	.0001
%RSD	.0914	22.28	.0728	.9939
#1	1.844	-.0195	2.003	-.0082
#2	1.841	-.0142	2.005	-.0081

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1344.0	59535.	17340.
Stddev	1.5	49.	29.
%RSD	.11432	.08212	.16487
#1	1345.1	59500.	17361.
#2	1342.9	59569.	17320.

Zoom In Zoom Out

Sample Name: CCB Acquired: 12/30/2013 18:33:00 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0006	.0005	.0007	-.0014	.0060	-.0001	.0001	.0042	.0001	.0004
Stddev	.0004	.0031	.0012	.0008	.0001	.0000	.0000	.0003	.0001	.0001
%RSD	67.00	610.2	172.9	59.47	2.335	17.11	1.082	7.181	98.26	29.21
#1	.0003	.0027	.0016	-.0008	.0059	-.0002	.0001	.0044	.0000	.0003
#2	.0009	-.0017	-.0002	-.0019	.0061	-.0001	.0001	.0040	.0001	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	.0000	.0011	.0109	.0026	.0000	.0018	.1536	.0000	.0002
Stddev	.0002	.000	.0007	.0092	.0010	.0000	.0005	.0079	.0005	.0000
%RSD	321.2	918.4	62.70	84.68	37.97	64.17	27.98	5.152	4091.	7.278
#1	.0001	.0000	.0006	.0175	.0033	.0000	.0022	.1592	-.0003	.0002
#2	-.0002	-.0001	.0017	.0044	.0019	.0001	.0015	.1480	.0003	.0002

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0003	-.0036	-.0074	-.0006	.0000	.0003	.0001	.0000	.0009	-.0001
Stddev	.0005	.0001	.0009	.0005	.0003	.0007	.0003	.000	.0004	.0004
%RSD	171.6	2.782	12.31	82.46	4521.	210.4	523.1	547.7	50.84	468.2
#1	-.0001	-.0035	-.0081	-.0010	.0002	-.0002	-.0002	.0000	.0005	.0002
#2	.0006	-.0036	-.0068	-.0003	-.0002	.0008	.0003	.0000	.0012	-.0004

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0003	-.0010	.0001	-.0015
Stddev	.0002	.0012	.0001	.0002
%RSD	80.34	121.9	86.21	11.13
#1	.0001	-.0019	.0002	-.0014
#2	.0004	-.0001	.0001	-.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1342.8	59559.	17284.
Stddev	1.2	15.	84.
%RSD	.09077	.02551	.48340
#1	1343.6	59570.	17225.
#2	1341.9	59548.	17343.

Zoom In Zoom Out

Sample Name: MP22327-MB2 Acquired: 12/30/2013 18:37:57 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0006	.0037	.0019	-.0005	.0052	-.0003	.0000	.0223	.0000	-.0001
Stddev	.0003	.0008	.0003	.0001	.0006	.0000	.0000	.0008	.0002	.0000
%RSD	51.55	22.88	13.49	30.70	12.30	12.31	433.1	3.557	353.0	14.09
#1	.0004	.0043	.0017	-.0006	.0057	-.0003	.0000	.0228	-.0001	-.0001
#2	.0008	.0031	.0021	-.0004	.0048	-.0003	.0000	.0217	.0002	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0004	.0002	.0011	.0202	-.0043	.0005	.0005	.2129	-.0001	-.0003
Stddev	.0004	.0003	.0001	.0097	.0256	.0000	.0002	.0025	.0002	.0001
%RSD	110.3	117.7	11.87	47.87	599.7	8.801	33.79	1.182	207.2	38.88
#1	.0001	.0004	.0010	.0270	.0139	.0004	.0007	.2147	-.0002	-.0004
#2	.0007	.0000	.0012	.0133	-.0224	.0005	.0004	.2112	.0000	-.0002

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0004	-.0027	.0073	-.0002	.0033	.0436	.0002	-.0001	.0004	-.0014
Stddev	.0003	.0003	.0008	.0007	.0018	.0000	.0001	.0000	.0001	.0008
%RSD	82.92	9.774	11.21	438.8	53.04	.0799	61.25	12.79	31.07	57.07
#1	.0002	-.0025	.0067	.0003	.0021	.0436	.0002	-.0001	.0003	-.0008
#2	.0006	-.0028	.0078	-.0007	.0046	.0436	.0001	-.0001	.0005	-.0020

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0000	-.0010	.0037	-.0020
Stddev	.0005	.0040	.0001	.0001
%RSD	71580.	418.2	2.150	6.437
#1	.0003	.0019	.0037	-.0019
#2	-.0003	-.0038	.0038	-.0021

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1324.1	59222.	17294.
Stddev	.1	196.	26.
%RSD	.00959	.33133	.14836
#1	1324.2	59083.	17312.
#2	1324.0	59360.	17276.

Zoom In Zoom Out

Sample Name: CRI Acquired: 12/30/2013 18:42:55 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0060	.2037	.0049	-.0009	.1031	.0484	.0040	5.012	.0042	.0545
Stddev	.0002	.0037	.0001	.0003	.0001	.0000	.0001	.006	.0001	.0001
%RSD	3.764	1.812	2.836	30.25	.1411	.0183	1.469	.1171	2.320	.2144
#1	.0062	.2010	.0050	-.0007	.1030	.0484	.0039	5.016	.0042	.0546
#2	.0059	.2063	.0048	-.0011	.1032	.0484	.0040	5.008	.0041	.0544

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0094	.0232	.1054	4.760	4.745	.0143	.1039	5.025	.0401	.0052
Stddev	.0001	.0003	.0035	.038	.029	.0000	.0003	.004	.0001	.0002
%RSD	.5427	1.456	3.287	.8036	.6186	.0555	.3006	.0764	.3324	4.756
#1	.0094	.0230	.1078	4.733	4.766	.0143	.1037	5.023	.0402	.0050
#2	.0094	.0235	.1029	4.787	4.724	.0143	.1042	5.028	.0400	.0053

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0001	-.0007	-.0075	.0056	.0119	.0037	.1053	.0097	.0500	.0035
Stddev	.0010	.0013	.0005	.0001	.0010	.0007	.0005	.0000	.0003	.0005
%RSD	1275.	184.8	7.307	.9645	8.705	17.74	.4549	.0828	.5320	12.89
#1	.0006	.0002	-.0071	.0055	.0126	.0032	.1057	.0097	.0502	.0032
#2	-.0008	-.0016	-.0079	.0056	.0112	.0042	.1050	.0097	.0498	.0039

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0096	-.0037	.0218	-.0015
Stddev	.0002	.0021	.0000	.0002
%RSD	2.336	56.85	.2235	13.18
#1	.0094	-.0022	.0218	-.0016
#2	.0098	-.0053	.0217	-.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1341.5	59538.	17250.
Stddev	1.6	61.	60.
%RSD	.12140	.10215	.34930
#1	1340.3	59581.	17207.
#2	1342.7	59495.	17292.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 12/30/2013 18:47:50 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0061	.2019	.0096	-.0006	.1027	.0479	.0039	5.022	.0040	.0536
Stddev	.0002	.0029	.0008	.0013	.0004	.0007	.0000	.045	.0000	.0003
%RSD	2.486	1.430	7.841	212.8	.4318	1.393	1.142	.8922	1.098	.6405
#1	.0063	.1999	.0091	.0003	.1023	.0484	.0040	5.054	.0041	.0534
#2	.0060	.2040	.0102	-.0015	.1030	.0474	.0039	4.991	.0040	.0539

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0098	.0228	.1069	4.793	4.824	.0143	.1030	5.006	.0398	.0103
Stddev	.0001	.0000	.0023	.069	.011	.0001	.0000	.017	.0000	.0003
%RSD	.6423	.1999	2.192	1.430	.2319	.7648	.0367	.3293	.0941	2.547
#1	.0099	.0228	.1085	4.842	4.832	.0142	.1030	5.018	.0398	.0104
#2	.0098	.0229	.1052	4.745	4.816	.0143	.1029	4.995	.0399	.0101

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0008	-.0042	-.0062	.0103	.0116	.0068	.1038	.0095	.0493	.0085
Stddev	.0001	.0042	.0007	.0004	.0012	.0003	.0004	.0001	.0003	.0002
%RSD	16.15	98.29	11.90	3.738	10.41	4.150	.3451	1.104	.5750	1.868
#1	-.0009	-.0013	-.0067	.0105	.0125	.0070	.1041	.0096	.0491	.0087
#2	-.0007	-.0072	-.0057	.0100	.0108	.0066	.1035	.0094	.0495	.0084

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0096	-.0036	.0212	-.0016
Stddev	.0003	.0042	.0000	.0000
%RSD	3.649	115.6	.0094	.0979
#1	.0093	-.0007	.0212	-.0016
#2	.0098	-.0066	.0212	-.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1340.7	59257.	17173.
Stddev	.8	63.	83.
%RSD	.06103	.10709	.48107
#1	1340.2	59213.	17232.
#2	1341.3	59302.	17115.

Zoom In Zoom Out

Sample Name: MC27295-1 Acquired: 12/30/2013 18:52:44 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0008	143.1	.0818	-.0007	.0203	.6440	.0085	2.830	.0020
Stddev	.0003	.0	.0004	.0001	.0001	.0004	.0001	.006	.0000
%RSD	31.47	.0137	.5189	18.67	.6782	.0585	.9312	.2044	1.091
#1	-.0010	143.1	.0821	-.0008	.0204	.6438	.0085	2.834	.0020
#2	-.0007	143.1	.0815	-.0006	.0202	.6443	.0084	2.825	.0020

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.1232	.1903	.2042	F316.9	14.32	33.92	2.533	.0013	.4419
Stddev	.0002	.0005	.0003	.6	.03	.02	.000	.0000	.0047
%RSD	.1463	.2814	.1276	.1946	.1881	.0655	.0006	3.846	1.065
#1	.1233	.1899	.2041	316.5	14.30	33.94	2.533	.0012	.4386
#2	.1230	.1907	.2044	317.3	14.34	33.90	2.533	.0013	.4453

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.2682	.1494	.0063	.0033	.3376	.0006	-.0043	12.36	.0140
Stddev	.0001	.0003	.0000	.0036	.0011	.0006	.0024	.02	.0001
%RSD	.0263	.2235	.4527	108.6	.3333	93.70	56.01	.1517	.9057
#1	.2682	.1497	.0063	.0008	.3368	.0010	-.0059	12.34	.0139
#2	.2683	.1492	.0062	.0059	.3383	.0002	-.0026	12.37	.0141

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0639	.3801	-.0003	.1747	.0169	.7859	.0494
Stddev	.0001	.0008	.0008	.0007	.0075	.0004	.0006
%RSD	.2107	.2208	253.6	.3807	44.47	.0492	1.280
#1	.0638	.3795	.0003	.1743	.0116	.7856	.0489
#2	.0640	.3807	-.0009	.1752	.0222	.7862	.0498

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1568.8	69078.	20453.
Stddev	.2	122.	9.
%RSD	.01319	.17634	.04209
#1	1569.0	69164.	20459.
#2	1568.7	68992.	20447.

Zoom In Zoom Out

Sample Name: MC27295-7 Acquired: 12/30/2013 18:57:38 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0007	144.1	.1443	.0018	.0237	.3901	.0059	3.018	.0024
Stddev	.0005	.2	.0005	.0001	.0000	.0000	.0000	.036	.0000
%RSD	73.21	.1244	.3329	6.079	.0913	.0045	.6037	1.199	.8065
#1	-.0003	143.9	.1440	.0017	.0237	.3901	.0058	2.993	.0024
#2	-.0010	144.2	.1447	.0019	.0238	.3901	.0059	3.044	.0024

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0961	.1737	.1330	F284.7	8.508	23.57	3.300	.0090	.4939
Stddev	.0003	.0003	.0002	2.1	.067	.36	.002	.0001	.0107
%RSD	.2998	.1799	.1146	.7226	.7897	1.535	.0464	.8932	2.165
#1	.0959	.1735	.1329	283.3	8.460	23.31	3.301	.0089	.4864
#2	.0963	.1739	.1331	286.2	8.555	23.82	3.299	.0091	.5015

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.1494	.1353	.0082	.0083	2.302	.0018	-.0003	13.97	.0142
Stddev	.0000	.0014	.0006	.0019	.010	.0014	.0007	.05	.0002
%RSD	.0098	1.029	7.782	23.50	.4237	76.62	284.4	.3278	1.274
#1	.1494	.1363	.0086	.0069	2.295	.0028	.0003	13.94	.0141
#2	.1494	.1343	.0077	.0097	2.308	.0008	-.0008	14.00	.0143

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0489	1.031	-.0004	.2434	.0184	.4984	.0730
Stddev	.0004	.003	.0002	.0004	.0085	.0005	.0000
%RSD	.7942	.2427	45.70	.1698	46.20	.1008	.0243
#1	.0487	1.033	-.0005	.2437	.0124	.4980	.0730
#2	.0492	1.029	-.0003	.2431	.0244	.4987	.0731

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1411.2	61905.	18353.
Stddev	1.9	16.	81.
%RSD	.13680	.02539	.44112
#1	1412.6	61916.	18410.
#2	1409.9	61894.	18296.

Zoom In Zoom Out

Sample Name: RINSECONF Acquired: 12/30/2013 19:02:32 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0006	.0087	.0006	-.0004	.0035	-.0003	.0000	.0044	-.0001	.0000
Stddev	.0000	.0067	.0001	.0000	.0002	.0001	.000	.0008	.0001	.000
%RSD	4.792	76.84	18.47	10.53	6.305	35.71	150.3	18.68	77.33	136.3
#1	.0006	.0135	.0007	-.0004	.0036	-.0003	.0000	.0038	-.0001	.0000
#2	.0006	.0040	.0006	-.0004	.0033	-.0004	.0000	.0050	.0000	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	-.0002	.0229	.0000	.0126	.0002	.0002	.1107	-.0002	.0003
Stddev	.0003	.0004	.0000	.0028	.0093	.0000	.0000	.0001	.0001	.0005
%RSD	108.1	211.7	.1225	18940.	74.02	16.26	.6802	.1158	39.08	213.0
#1	-.0001	-.0005	.0229	.0020	.0192	.0002	.0002	.1106	-.0001	.0006
#2	-.0005	.0001	.0229	-.0020	.0060	.0002	.0002	.1107	-.0002	-.0001

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0003	-.0011	-.0058	-.0005	.0002	.0026	-.0001	-.0001	.0004	-.0013
Stddev	.0011	.0032	.0009	.0003	.0011	.0005	.0002	.0000	.0002	.0018
%RSD	392.1	283.7	15.45	56.35	569.3	18.59	135.9	29.58	54.33	143.3
#1	.0005	.0011	-.0052	-.0007	-.0006	.0030	-.0003	-.0002	.0002	-.0026
#2	-.0011	-.0034	-.0065	-.0003	.0010	.0023	.0000	-.0001	.0005	.0000

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0002	-.0034	.0000	-.0005
Stddev	.0001	.0030	.000	.0004
%RSD	22.14	86.94	899.4	69.00
#1	.0003	-.0055	-.0002	-.0008
#2	.0002	-.0013	.0002	-.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1350.3	59636.	17307.
Stddev	.1	353.	103.
%RSD	.00844	.59182	.59330
#1	1350.3	59886.	17380.
#2	1350.2	59387.	17235.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 12/30/2013 19:07:29 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0059	.2061	.0112	.0001	.1017	.0480	.0039	5.007	.0042	.0539
Stddev	.0002	.0016	.0026	.0001	.0003	.0009	.0001	.048	.0000	.0002
%RSD	2.623	.7698	22.83	35.84	.3080	1.839	2.887	.9530	.0028	.4500
#1	.0058	.2050	.0094	.0002	.1015	.0473	.0038	4.973	.0042	.0537
#2	.0060	.2072	.0130	.0001	.1019	.0486	.0040	5.040	.0042	.0541

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0096	.0232	.1168	4.789	4.777	.0142	.1027	5.025	.0396	.0104
Stddev	.0001	.0001	.0010	.069	.034	.0000	.0002	.007	.0001	.0004
%RSD	1.412	.3458	.8294	1.435	.7174	.0161	.2104	.1415	.2259	3.509
#1	.0097	.0233	.1175	4.740	4.752	.0142	.1025	5.020	.0397	.0101
#2	.0095	.0232	.1161	4.837	4.801	.0142	.1028	5.030	.0396	.0106

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0009	.0003	-.0093	.0098	.0107	.0083	.1050	.0095	.0492	.0079
Stddev	.0005	.0019	.0002	.0002	.0005	.0005	.0002	.0001	.0003	.0007
%RSD	51.41	695.0	2.138	2.338	5.051	6.394	.1821	1.381	.6264	8.384
#1	-.0012	.0017	-.0094	.0100	.0104	.0079	.1051	.0094	.0489	.0075
#2	-.0006	-.0011	-.0092	.0097	.0111	.0087	.1048	.0096	.0494	.0084

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0097	-.0020	.0209	.0107
Stddev	.0002	.0045	.0002	.0010
%RSD	1.841	222.7	1.164	8.953
#1	.0098	.0012	.0208	.0114
#2	.0096	-.0052	.0211	.0101

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1344.4	59680.	17271.
Stddev	.7	392.	4.
%RSD	.05526	.65664	.02327
#1	1344.9	59403.	17274.
#2	1343.8	59957.	17268.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 12/30/2013 19:12:23 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	523.3	.0027	-.0013	.0038	-.0012	.0001	454.1	.0013	.0013
Stddev	.0004	1.9	.0008	.0008	.0010	.0000	.0000	.9	.0003	.0000
%RSD	223.8	.3569	28.14	56.99	26.74	2.145	11.69	.1993	24.67	2.284
#1	-.0005	521.9	.0022	-.0008	.0031	-.0012	.0001	454.8	.0011	.0014
#2	.0001	524.6	.0033	-.0019	.0045	-.0012	.0002	453.5	.0016	.0013

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0016	.0006	187.1	.0431	498.8	-.0001	-.0014	.2025	.0026	.0017
Stddev	.0005	.0002	.4	.0098	.5	.0000	.0003	.0025	.0010	.0007
%RSD	30.74	36.63	.1919	22.74	.0975	6.819	17.71	1.219	38.05	43.89
#1	-.0020	.0004	186.9	.0501	498.5	-.0001	-.0013	.2008	.0019	.0022
#2	-.0013	.0007	187.4	.0362	499.2	-.0001	-.0016	.2043	.0033	.0012

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0197	-.0298	.0770	.0028	.0005	.0475	-.0010	-.0078	.0057	-.0015
Stddev	.0002	.0026	.0020	.0007	.0025	.0005	.0004	.0000	.0003	.0001
%RSD	.9122	8.719	2.644	24.80	541.3	1.039	45.70	.1704	4.573	5.371
#1	-.0198	-.0279	.0755	.0033	.0023	.0471	-.0013	-.0078	.0055	-.0014
#2	-.0196	-.0316	.0784	.0023	-.0013	.0478	-.0006	-.0078	.0059	-.0015

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0016	-.0139	-.0001	.0019
Stddev	.0002	.0087	.0002	.0001
%RSD	13.25	62.56	247.6	7.405
#1	-.0014	-.0077	-.0002	.0018
#2	-.0017	-.0200	.0001	.0020

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1228.0	55308.	16941.
Stddev	1.1	135.	13.
%RSD	.08679	.24401	.07747
#1	1228.7	55212.	16950.
#2	1227.2	55403.	16932.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 12/30/2013 19:17:24 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.085	518.5	2.183	.4544	.9771	.4742	.4405	449.3	1.004	.4938
Stddev	.002	3.7	.006	.0008	.0031	.0003	.0012	.1	.002	.0009
%RSD	.1789	.7152	.2888	.1791	.3203	.0563	.2616	.0134	.2055	.1902
#1	1.084	515.8	2.179	.4549	.9749	.4743	.4397	449.3	1.002	.4932
#2	1.087	521.1	2.187	.4538	.9793	.4740	.4413	449.2	1.005	.4945

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4478	.4958	186.9	.0705	496.3	.4369	.9615	.1914	.8532	.9202
Stddev	.0020	.0001	.6	.0233	2.4	.0009	.0031	.0036	.0006	.0029
%RSD	.4502	.0129	.3015	33.10	.4826	.2167	.3240	1.875	.0700	.3175
#1	.4463	.4957	186.5	.0870	494.6	.4363	.9593	.1940	.8528	.9181
#2	.4492	.4958	187.3	.0540	498.0	.4376	.9637	.1889	.8536	.9222

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.4968	.4640	.5526	2.099	2.044	2.240	1.024	.9204	.4778	1.775
Stddev	.0030	.0035	.0013	.005	.005	.004	.002	.0002	.0000	.004
%RSD	.6090	.7518	.2414	.2399	.2644	.1822	.1682	.0218	.0004	.2432
#1	.4989	.4665	.5536	2.096	2.040	2.237	1.022	.9205	.4778	1.772
#2	.4946	.4615	.5517	2.103	2.048	2.242	1.025	.9202	.4778	1.778

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.4584	1.700	.9261	.3964
Stddev	.0015	.006	.0015	.0031
%RSD	.3167	.3442	.1636	.7732
#1	.4574	1.704	.9251	.3942
#2	.4594	1.696	.9272	.3985

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1223.6	55682.	17039.
Stddev	2.6	106.	67.
%RSD	.21595	.18954	.39085
#1	1225.5	55757.	17086.
#2	1221.7	55607.	16992.

Zoom In Zoom Out

Sample Name: CCV Acquired: 12/30/2013 19:22:17 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2613	9.866	1.999	-.0002	1.941	1.896	1.897	9.935	1.955	2.088
Stddev	.0019	.031	.001	.0002	.001	.003	.005	.017	.004	.003
%RSD	.7431	.3106	.0307	92.23	.0715	.1575	.2560	.1743	.1901	.1350
#1	.2627	9.845	1.999	-.0001	1.940	1.894	1.894	9.922	1.952	2.086
#2	.2600	9.888	2.000	-.0003	1.942	1.898	1.901	9.947	1.957	2.090

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.893	1.831	10.31	9.339	9.587	1.813	1.989	9.805	1.903	2.005
Stddev	.007	.002	.00	.036	.024	.002	.005	.006	.000	.002
%RSD	.3619	.0823	.0277	.3892	.2538	.1078	.2473	.0575	.0224	.1165
#1	1.888	1.830	10.31	9.313	9.604	1.812	1.985	9.809	1.903	2.004
#2	1.898	1.832	10.31	9.365	9.570	1.815	1.992	9.801	1.904	2.007

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0011	.0092	-.0138	2.017	2.015	-.0129	2.134	1.903	1.896	1.936
Stddev	.0009	.0054	.0016	.009	.001	.0003	.005	.016	.003	.010
%RSD	76.60	58.72	11.63	.4694	.0594	2.023	.2222	.8470	.1623	.5045
#1	.0005	.0130	-.0127	2.010	2.014	-.0127	2.131	1.892	1.894	1.929
#2	.0017	.0054	-.0150	2.023	2.016	-.0131	2.137	1.915	1.898	1.943

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.837	-.0096	2.009	.0182
Stddev	.003	.0044	.004	.0026
%RSD	.1389	46.30	.1856	14.44
#1	1.835	-.0127	2.006	.0200
#2	1.838	-.0065	2.011	.0163

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1339.0	59880.	17329.
Stddev	2.8	92.	38.
%RSD	.21223	.15387	.21869
#1	1341.0	59946.	17356.
#2	1337.0	59815.	17303.

Zoom In
Zoom Out

Sample Name: CCB Acquired: 12/30/2013 19:27:06 Type: Unk
Method: Accutest -SS2 with S(v282) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0006	.0046	.0012	.0010	.0047	-.0002	.0001	.0122	.0001	.0001
Stddev	.0004	.0045	.0016	.0006	.0003	.0002	.0000	.0036	.0000	.0002
%RSD	70.02	97.08	129.4	57.63	5.425	115.3	32.15	29.66	11.76	183.3
#1	.0003	.0078	.0023	.0015	.0049	-.0003	.0001	.0097	.0001	.0000
#2	.0009	.0015	.0001	.0006	.0045	.0000	.0001	.0148	.0001	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0003	.0051	-.0022	.0151	.0001	.0020	.0987	.0001	.0000
Stddev	.0005	.0002	.0004	.0044	.0160	.0001	.0003	.0024	.0002	.0003
%RSD	232.1	67.73	7.233	204.6	106.0	70.26	14.51	2.402	174.2	2821.
#1	-.0001	.0002	.0054	-.0053	.0038	.0002	.0022	.0970	.0000	.0003
#2	.0006	.0005	.0048	.0010	.0263	.0001	.0018	.1004	.0002	-.0002

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0002	-.0021	-.0090	-.0006	.0018	.0005	.0001	.0000	.0006	.0008
Stddev	.0011	.0008	.0007	.0003	.0001	.0001	.0000	.000	.0001	.0001
%RSD	628.6	35.02	7.261	52.86	5.918	14.14	55.41	426.7	12.28	18.35
#1	.0009	-.0027	-.0094	-.0004	.0019	.0005	.0000	.0000	.0005	.0009
#2	-.0006	-.0016	-.0085	-.0009	.0017	.0004	.0001	.0000	.0006	.0007

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0003	-.0036	.0002	-.0012
Stddev	.0000	.0049	.0001	.0003
%RSD	5.417	137.5	37.10	22.09
#1	.0003	-.0071	.0002	-.0010
#2	.0003	-.0001	.0003	-.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1335.1	59652.	17309.
Stddev	.7	32.	55.
%RSD	.05292	.05398	.31531
#1	1335.6	59675.	17348.
#2	1334.6	59629.	17271.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	0.000091	0.000000	No
			Co	0.000007	0.000000	No
			Mn	0.000112	0.000000	No
			Mo	-0.000021	0.000000	No
			Cu	0.000004	0.000000	No
			Ti	0.000036	0.000000	No
			Al	-0.000000	0.000000	No
			Zr	0.005523	0.000000	No
Al 396.152 { 85}	☒	3	Mn	-0.000328	0.000000	No
			Mo	0.040478	0.000000	No
			Ca	0.000070	0.000000	No
As 189.042 {479}	☒	10	V	0.000193	0.000000	No
			Al	0.000006	0.000000	No
			Mo	0.000986	0.000000	No
			Fe	-0.000000	0.000000	No
			Mn	0.000049	0.000000	No
			Ca	0.000007	0.000000	No
			Mg	0.000002	0.000000	No
			Cr	0.000646	0.000000	No
			Na	0.000000	0.000000	No
			Co	-0.000743	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000056	0.000000	No
			Mn	0.007148	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.016182	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000009	0.000000	No
Be 313.042 {108}	☒	3	V	0.000027	0.000000	No
			Mo	-0.000013	0.000000	No
			Ti	-0.000310	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	4	Ni	0.000020	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000048	0.000000	No
			Ca	0.000003	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000043	0.000000	No
			Mo	-0.000093	0.000000	No
			Ti	0.002024	0.000000	No
			Ca	0.000001	0.000000	No
Cr 267.716 {126}	☒	2	Al	0.000003	0.000000	No
			Mn	0.000067	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000048	0.000000	No
			V	0.000089	0.000000	No
			Mo	0.000385	0.000000	No
			Co	-0.000699	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000600	0.000000	No
			Co	-0.000015	0.000000	No
			Cr	0.000162	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000003	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000578	0.000000	No
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Al	0.000568	0.000000	No
Ni 231.604 {446}	☒	3	Mo	0.000323	0.000000	No
			Fe	0.000010	0.000000	No
			Ca	-0.000007	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000056	0.000000	No
			Mn	0.000118	0.000000	No
			Mo	-0.001562	0.000000	No
			Co	-0.000376	0.000000	No
			Cu	0.000394	0.000000	No
			Ca	-0.000007	0.000000	No
			Fe	0.000016	0.000000	No
			Mg	0.000002	0.000000	No
			Ni	0.000064	0.000000	No
			Si	0.000148	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000342	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.006177	0.000000	No
			Ni	-0.000225	0.000000	No
			Mn	-0.008486	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
S 182.034 {485}	☒	None				
Sb 206.833 {463}	☒	11	Al	-0.000004	0.000000	No
			Fe	0.000024	0.000000	No
			Cr	0.007617	0.000000	No
			Mo	-0.003102	0.000000	No
			Mg	0.000002	0.000000	No
			Ni	-0.000589	0.000000	No
			V	-0.001324	0.000000	No
			Ca	0.000002	0.000000	No
			Ti	-0.000018	0.000000	No
			Cu	-0.000089	0.000000	No
			Sn	-0.009353	0.000000	No
Se 196.090 {472}	☒	7	Al	0.000003	0.000000	No
			Fe	-0.000160	0.000000	No
			Mn	0.000531	0.000000	No
			Mo	-0.000104	0.000000	No
			Ca	-0.000007	0.000000	No
			Na	0.000006	0.000000	No
			Co	0.000061	0.000000	No
Si 212.412 {459}	☒	3	V	0.030413	0.000000	No
			Ti	0.012159	0.000000	No
			Mo	0.022364	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.000645	0.000000	No
			Cr	0.000551	0.000000	No
			V	-0.023870	0.000000	No
			Co	0.001273	0.000000	No
			Al	-0.000011	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Fe	0.000003	0.000000	No
				Ti	-0.001294	0.000000	No
				Mo	0.000036	0.000000	No
				Ca	-0.000004	0.000000	No
				Na	0.000009	0.000000	No
	V 292.402 {115}	☒	3	Ti	0.000976	0.000000	No
				Mo	-0.005561	0.000000	No
				Fe	0.000009	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000141	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000005	0.000000	No
				Mn	0.000018	0.000000	No
				Ni	0.000450	0.000000	No
				Cr	-0.000497	0.000000	No
				Mo	0.000270	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000003	0.000000	No
				Na	0.000004	0.000000	No
	Zr 339.198 { 99}	☒	5	Si	0.001533	0.000000	No
				Ti	0.000189	0.000000	No
				Fe	0.000029	0.000000	No
				Sn	0.002851	0.000000	No
				V	0.002032	0.000000	No

Prep QC: MP22327

ACCUTEST

Date:	12/27/13
Time	7:30

Name:	ERICM1/MA
MP Batch ID:	MP22327
QC Sample ID:	MC27399-2

Reagent Lot #	
1:1 HNO3	
1:1 HCL	RGT-38734-METALS
Conc HNO3	VENDOR-14314
H2O2	
LCS	
Filter Paper Lot #	
Digetion Tube Lot #	1308077

Aqueous EPA 200.7/ 200.8	○
Aqueous SW846 3010A	◉
Soil- SW846 3050B	○

WW

ML Used	Spike Lot#
0.5	RGT-38792-METALS
0.5	RGT-38793-METALS
0.5	RGT-38819-METALS
0.5	RGT-38820-METALS
Spike ID	MPICP

Dig Block ID:	4	Therm ID	GN017	Temp. C	95	Factor	-1	Corrected Temp C	94
Dig Block ID:		Therm ID		Temp. C		Factor		Corrected Temp C	
Balance ID:	N/A	Repipetor ID	1						

Note: (A)Serial dilution shown for QC purposes only (not a seperate digestion). (B) For DW samples <1NTU, measure pH prior to analysis.

Bot#	Sample #	Initial ML	Final (ML)			1:1 HNO3 (ML)	Conc. HNO3 (ML)	1:1 HCL (ML)	H2O2 (ML)	Comment
	MP22327-MB1	50	50				3	5		
	MP22327-B1	50	50				3	5		
1	MP22327-S1	50	50				3	5		
1	MP22327-SD1	50	50				3	5		
	MP22327-MB2	50	50				3	5		FILTER BLANK @ 12/26/2013
	MP22327-B2	50	50				3	5		
1	MP22327-S2	50	50				3	5		
1	MC27359-2	50	50				3	5		
1	MC27392-1	50	50				3	5		
1	MC27392-2	50	50				3	5		
1	MC27392-3	50	50				3	5		
1	MC27392-5F	50	50				3	5		
5	MC27392-6	50	50				3	5		
6	MC27392-6F	50	50				3	5		
1	MC27399-1	50	50				3	5		
1	MC27399-2	50	50				3	5		
5	MC27407-1	50	50				3	5		
1	MC27412-2	50	50				3	5		
1	MC27412-4	50	50				3	5		
1	MC27412-6	50	50				3	5		
1	MC27412-8	50	50				3	5		
11	MC27416-3F	50	50				3	5		
11	MC27416-5F	50	50				3	5		
11	MC27416-8F	50	50				3	5		

Protected Worksheet MMP003-02 QC Review EAL Date: 12/30/13

(Format edits must be done by dept. Manager)

9.4.1

9

HG AQ: SW846 7470A

AQ ◉ SO ○ **Analysis: Hg**

Protected Worksheet
Format edits must be done by Dept. Manager

MP#	MP22330	Date	12/30/13	Balance ID	N/A	Pipet ID	1	Prep Analyst	EM/MA				
Dig Block ID	1	Therm ID	GN011	Temp	95	Factor	-1.5	Corr. Temp. Deg C	93.5	Start Time	7:53	End Time	9:53
Dig Block ID		Therm ID		Temp		Factor		Corr. Temp. Deg C		Start Time		End Time	
MA#	MA16610	Date	12/30/13	Run File	H2123013W1.PRN			Calib File	2123013W			Analyst	SARAHA

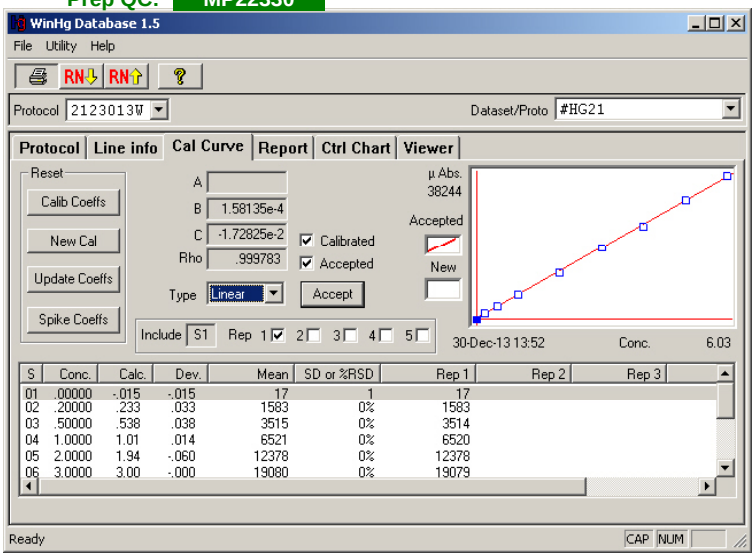
Bot#	Sample ID	Init ML	Fin ML	Block ID	Comments					Bot#	Sample ID	Init ML	Fin ML	Block ID	Comments
	RB	20	20	1						4	MC27176-3	20	20	1	
	STD#1	20	20	1	4	ml of METSTD	32349	Hg-	3	4	MC27176-4	20	20	1	
	STD#2	20	20	1	10	ml of METSTD	32349	Hg-	3	4	MC27252-1	20	20	1	
	STD#3	20	20	1	2	ml of METSTD	32349	Hg-	2	4	MC27252-2	20	20	1	
	STD#4	20	20	1	4	ml of METSTD	32349	Hg-	2	8	MC27331-5	20	20	1	
	STD#5	20	20	1	6	ml of METSTD	32349	Hg-	2	1	MC27332-2	20	20	1	
	STD#6	20	20	1	8	ml of METSTD	32349	Hg-	2	1	MC27332-4	20	20	1	
	STD#7	20	20	1	10	ml of METSTD	32349	Hg-	2	1	MC27332-8	20	20	1	
	STD#8	20	20	1	12	ml of METSTD	32349	Hg-	2	4	MC27343-1	20	20	1	
	ICV	20	20	1	8	ml of METSTD	32350	Hg-	2	4	MC27343-2	20	20	1	
	CCV	20	20	1	6	ml of METSTD	32349	Hg-	2	4	MC27343-3	20	20	1	
	CRI	20	20	1	4	ml of METSTD	32349	Hg-	3	4	MC27343-4	20	20	1	
	ICB	20	20	1						4	MC27343-6	20	20	1	
	CCB	20	20	1						1	MC27399-1	20	20	1	
	MB	20	20	1						1	MC27399-2	20	20	1	
	SB	20	20	1	0.6	ml of METSTD	32349	Hg-	1	1	MC27417-3	20	20	1	
	SBD	20	20	1	0.6	ml of METSTD	32349	Hg-	1	*1	MC27417-5	20	20	1	FOAMY/YELLOW
12	MS MC27343-5	20	20	1	0.6	ml of METSTD	32349	Hg-	1	1	MC27417-5	10	20	1	FOAMY/YELLOW
12	MSD MC27343-5	20	20	1	0.6	ml of METSTD	32349	Hg-	1						
12	MC27343-5	20	20	1											
4	MC27176-1	20	20	1											
4	MC27176-2	20	20	1											

Reagent Lot#

Pot. Permanganate	RGT-	38806	_HG	Stannous Chloride	RGT-	39162	_HG	Conc. HNO3	Vendor- 14314
Pot. Persulfate	RGT-	38671	_HG	Stannous Sulfate	RGT-	****N/A****	_HG	Conc. H2SO4	Vendor- 14009
Hydroxylamine.SO4	RGT-	38849	_HG	Instrument ID:	HG-2			Dig.Tubes	1308077

Comment: *Did not sustain color after digestion.

QC Review:	PuiY	Date:	12/31/13	MMA015-02


WinHg Database 1.5
File Utility Help
RN RN
Protocol 2123013W
Dataset/Proto #HG21
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 1.58135e-4
C -1.72825e-2
Rho .999783
Type Linear
Calibrated
Accepted
Accept
µ Abs.
38244
Accepted
New
Include S1 Rep 1 2 3 4 5
30-Dec-13 13:52
Conc. 6.03
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 -.015 -.015 17 1 17
02 .20000 .233 .033 1583 0% 1583
03 .50000 .538 .038 3515 0% 3514
04 1.0000 1.01 .014 6521 0% 6520
05 2.0000 1.94 -.060 12378 0% 12378
06 3.0000 3.00 -.000 19080 0% 19079
Ready
CAP NUM

New England ACCUTEST LABORATORIES

02/04/14

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC27516

Sampling Dates: 01/06/14 - 01/07/14

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **168**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC27516

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC27516-1	01/06/14	12:30	MF	01/08/14	AQ	Ground Water	EPT-GW-MW29
MC27516-2	01/06/14	15:00	MF	01/08/14	AQ	Ground Water	EPT-GW-MW38
MC27516-3	01/06/14	15:35	MF	01/08/14	AQ	Ground Water	EPT-GW-MW37
MC27516-4	01/07/14	09:45	MF	01/08/14	AQ	Ground Water	EPT-GW-MW34S
MC27516-5	01/07/14	10:00	MF	01/08/14	AQ	Ground Water	EPT-GW-MW34N

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	WSP Environmental & Energy	**Job No**	MC27516
Site:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca,	**Report Date**	1/15/2014 4:02:20 PM

5 Sample(s) were collected on between 01/06/2014 and 01/07/2014 and were received at Accutest on 01/08/2014 properly preserved, at 0.5 Deg. C and intact. These Samples received an Accutest job number of MC27516. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix AQ **Batch ID:** MSV1022

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27557-2AMS, MC27557-2AMSD were used as the QC samples indicated.
- MS/MSD Recovery(s) for 2-Butanone (MEK), Acetone are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC27516).

Summary of Hits

Job Number: MC27516
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 01/06/14 thru 01/07/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC27516-1	**EPT-GW-MW29**					
1,1-Dichloroethane		7.3	1.0	0.37	ug/l	SW846 8260C
1,1-Dichloroethene		1.4	1.0	0.67	ug/l	SW846 8260C
cis-1,2-Dichloroethene		237	1.0	0.54	ug/l	SW846 8260C
trans-1,2-Dichloroethene		5.0	1.0	0.54	ug/l	SW846 8260C
Toluene		0.81 J	1.0	0.46	ug/l	SW846 8260C
Trichloroethene		2.0	1.0	0.45	ug/l	SW846 8260C
Vinyl chloride		115	1.0	0.61	ug/l	SW846 8260C
Xylene (total)		11.4	1.0	0.41	ug/l	SW846 8260C
MC27516-2	**EPT-GW-MW38**					
Chloroform		0.96 J	1.0	0.50	ug/l	SW846 8260C
1,1-Dichloroethane		1.1	1.0	0.37	ug/l	SW846 8260C
cis-1,2-Dichloroethene		14.9	1.0	0.54	ug/l	SW846 8260C
Toluene		0.62 J	1.0	0.46	ug/l	SW846 8260C
Vinyl chloride		3.0	1.0	0.61	ug/l	SW846 8260C
MC27516-3	**EPT-GW-MW37**					
Bromodichloromethane		0.34 J	1.0	0.33	ug/l	SW846 8260C
Carbon disulfide		0.90 J	5.0	0.59	ug/l	SW846 8260C
Chloroform		4.8	1.0	0.50	ug/l	SW846 8260C
Methylene chloride		1.3 J	2.0	0.41	ug/l	SW846 8260C
Toluene		0.78 J	1.0	0.46	ug/l	SW846 8260C
MC27516-4	**EPT-GW-MW34S**					
Acetone		7.6 J	10	2.8	ug/l	SW846 8260C
Benzene		2.0	0.50	0.45	ug/l	SW846 8260C
Chloroform		5.5	1.0	0.50	ug/l	SW846 8260C
Ethylbenzene		2.3	1.0	0.38	ug/l	SW846 8260C
Methylcyclohexane		1.3 J	5.0	0.87	ug/l	SW846 8260C
Methylene chloride		1.6 J	2.0	0.41	ug/l	SW846 8260C
Toluene		19.5	1.0	0.46	ug/l	SW846 8260C
Xylene (total)		24.8	1.0	0.41	ug/l	SW846 8260C
Total TIC, Volatile		4 J			ug/l	
MC27516-5	**EPT-GW-MW34N**					
1,1-Dichloroethane		1.3	1.0	0.37	ug/l	SW846 8260C
cis-1,2-Dichloroethene		2.3	1.0	0.54	ug/l	SW846 8260C
Trichloroethene		1.6	1.0	0.45	ug/l	SW846 8260C

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

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Report of Analysis

Client Sample ID:	EPT-GW-MW29		
Lab Sample ID:	MC27516-1	**Date Sampled:**	01/06/14
Matrix:	AQ - Ground Water	**Date Received:**	01/08/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V27039.D	1	01/10/14	AMY	n/a	n/a	MSV1022
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	7.3	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	1.4	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	237	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	5.0	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-GW-MW29		
Lab Sample ID:	MC27516-1	**Date Sampled:**	01/06/14
Matrix:	AQ - Ground Water	**Date Received:**	01/08/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	0.81	1.0	0.46	ug/l	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	2.0	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	115	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	11.4	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	EPT-GW-MW38		
Lab Sample ID:	MC27516-2	**Date Sampled:**	01/06/14
Matrix:	AQ - Ground Water	**Date Received:**	01/08/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V27040.D	1	01/10/14	AMY	n/a	n/a	MSV1022
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	0.96	1.0	0.50	ug/l	J
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	1.1	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	14.9	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-GW-MW38		
Lab Sample ID:	MC27516-2	**Date Sampled:**	01/06/14
Matrix:	AQ - Ground Water	**Date Received:**	01/08/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	0.62	1.0	0.46	ug/l	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	3.0	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		70-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	EPT-GW-MW37		
Lab Sample ID:	MC27516-3	**Date Sampled:**	01/06/14
Matrix:	AQ - Ground Water	**Date Received:**	01/08/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V27041.D	1	01/10/14	AMY	n/a	n/a	MSV1022
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.34	1.0	0.33	ug/l	J
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	0.90	5.0	0.59	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	4.8	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-GW-MW37		
Lab Sample ID:	MC27516-3	**Date Sampled:**	01/06/14
Matrix:	AQ - Ground Water	**Date Received:**	01/08/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	1.3	2.0	0.41	ug/l	J
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	0.78	1.0	0.46	ug/l	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	EPT-GW-MW34S		
Lab Sample ID:	MC27516-4	**Date Sampled:**	01/07/14
Matrix:	AQ - Ground Water	**Date Received:**	01/08/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V27042.D	1	01/10/14	AMY	n/a	n/a	MSV1022
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	7.6	10	2.8	ug/l	J
71-43-2	Benzene	2.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	5.5	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	2.3	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-GW-MW34S		
Lab Sample ID:	MC27516-4	**Date Sampled:**	01/07/14
Matrix:	AQ - Ground Water	**Date Received:**	01/08/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	1.3	5.0	0.87	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	1.6	2.0	0.41	ug/l	J
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	19.5	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	24.8	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
420-12-2	Thiirane	4.39	4	ug/l	JN
	Total TIC, Volatile		4	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@146686 17:16 04-Feb-2014

Report of Analysis

Client Sample ID:	EPT-GW-MW34N		
Lab Sample ID:	MC27516-5	**Date Sampled:**	01/07/14
Matrix:	AQ - Ground Water	**Date Received:**	01/08/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V27043.D	1	01/10/14	AMY	n/a	n/a	MSV1022
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	1.3	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	2.3	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPT-GW-MW34N		
Lab Sample ID:	MC27516-5	**Date Sampled:**	01/07/14
Matrix:	AQ - Ground Water	**Date Received:**	01/08/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	1.6	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY RECORD

Page 1 of 1

Project Number:	Site and Location:
4255-11	EPT Ithaca
Contact Name:	**Contact Email:**
Lisa.Bryda@wspgroup.com	
Sampler's Name:	**Sampler's Signature:**
M Fleming	

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses: TCL VOCs + 1,4-D

Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	TCL VOCs + 1,4-D	Remarks
EPT-GW-MW29 -1		01/06/14	1230	Aq	2	2	
EPT-GW-MW38 -2		"	1500	"	2	2	
EPT-GW-MW37 -3		"	1535	"	2	2	
EPT-GW-MW34S -4		01/07/14	0945	"			
EPT-GW-MW34N -5		"	1000	↓			

N° MC27516

Relinquished by (Signature):	Date / Time	Received by (Signature):	Laboratory Name:
	01/07/14	FedEx	AccuTest
Relinquished by (Signature):	Date / Time	Received by (Signature):	Laboratory Location: MA
FedEx	1-8-14 1000		Custody Seal Numbers: NA
Turn-Around Time: Standard		Tracking Number:	Method of Shipment: FedEx

WSP Environment & Energy

0.5°C

- ☑ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 200 Cottontail Ln., Somerset, NJ 08873 / Tel: 732-564-0888
- ☐ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Woburn Office: 300 Trade Center, Suite 4690, Woburn, MA 01801
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

MC27516: Chain of Custody
Page 1 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC27516 **Client:** WSP **Immediate Client Services Action Required:** No

Date / Time Received: 1/8/2014 **Delivery Method:**

Project: 4255-11 **No. Coolers:** **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control -Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☐	
2. Trip Blank listed on COC:	☐	☐	
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample rec'd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☐	☑	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume rec'd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

-4 AND -5 have no analysis checked off on the coc.
-6 Trip Blank rec'd, not listed on COC.

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC27516: Chain of Custody
Page 2 of 3

Sample Receipt Summary - Problem Resolution

Accutest Job Number: MC27516

CSR: Frank D'Agostino **Response Date:** 1/8/2014

Response: Client advised to analyze -4 and -5. Disregard Trip Blank. See scanned email.

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC27516: Chain of Custody
Page 3 of 3

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC27516

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC27516-1 Collected: 06-JAN-14 12:30 By: MF EPT-GW-MW29				Received: 08-JAN-14	By:	
MC27516-1	SW846 8260C	10-JAN-14 16:22	AMY			V8260TCL42+
MC27516-2 Collected: 06-JAN-14 15:00 By: MF EPT-GW-MW38				Received: 08-JAN-14	By:	
MC27516-2	SW846 8260C	10-JAN-14 16:49	AMY			V8260TCL42+
MC27516-3 Collected: 06-JAN-14 15:35 By: MF EPT-GW-MW37				Received: 08-JAN-14	By:	
MC27516-3	SW846 8260C	10-JAN-14 17:15	AMY			V8260TCL42+
MC27516-4 Collected: 07-JAN-14 09:45 By: MF EPT-GW-MW34S				Received: 08-JAN-14	By:	
MC27516-4	SW846 8260C	10-JAN-14 17:41	AMY			V8260TCL42+
MC27516-5 Collected: 07-JAN-14 10:00 By: MF EPT-GW-MW34N				Received: 08-JAN-14	By:	
MC27516-5	SW846 8260C	10-JAN-14 18:08	AMY			V8260TCL42+

Accutest Internal Chain of Custody

Job Number: MC27516
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 01/08/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC27516-1.1	VOC Ref #2	Amy Min Yang	01/10/14 11:03	Retrieve from Storage
MC27516-1.1	Amy Min Yang	GCMSV	01/10/14 11:03	Load on Instrument
MC27516-1.1	GCMSV	Amy Min Yang	01/13/14 10:17	Unload from Instrument
MC27516-1.1	Amy Min Yang	VOC Ref #2	01/13/14 10:17	Return to Storage
MC27516-2.1	VOC Ref #2	Amy Min Yang	01/10/14 11:03	Retrieve from Storage
MC27516-2.1	Amy Min Yang	GCMSV	01/10/14 11:03	Load on Instrument
MC27516-2.1	GCMSV	Amy Min Yang	01/13/14 10:17	Unload from Instrument
MC27516-2.1	Amy Min Yang	VOC Ref #2	01/13/14 10:17	Return to Storage
MC27516-3.1	VOC Ref #2	Amy Min Yang	01/10/14 11:03	Retrieve from Storage
MC27516-3.1	Amy Min Yang	GCMSV	01/10/14 11:03	Load on Instrument
MC27516-3.1	GCMSV	Amy Min Yang	01/13/14 10:17	Unload from Instrument
MC27516-3.1	Amy Min Yang	VOC Ref #2	01/13/14 10:17	Return to Storage
MC27516-4.1	VOC Ref #2	Amy Min Yang	01/10/14 11:03	Retrieve from Storage
MC27516-4.1	Amy Min Yang	GCMSV	01/10/14 11:03	Load on Instrument
MC27516-4.1	GCMSV	Amy Min Yang	01/13/14 10:17	Unload from Instrument
MC27516-4.1	Amy Min Yang	VOC Ref #2	01/13/14 10:17	Return to Storage
MC27516-5.1	VOC Ref #2	Amy Min Yang	01/10/14 11:03	Retrieve from Storage
MC27516-5.1	Amy Min Yang	GCMSV	01/10/14 11:03	Load on Instrument
MC27516-5.1	GCMSV	Amy Min Yang	01/13/14 10:17	Unload from Instrument
MC27516-5.1	Amy Min Yang	VOC Ref #2	01/13/14 10:17	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC27516
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV1022-MB	V27027.D	1	01/10/14	AMY	n/a	n/a	MSV1022

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27516-1, MC27516-2, MC27516-3, MC27516-4, MC27516-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	

Method Blank Summary

Job Number: MC27516
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV1022-MB	V27027.D	1	01/10/14	AMY	n/a	n/a	MSV1022

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27516-1, MC27516-2, MC27516-3, MC27516-4, MC27516-5

CAS No.	Compound	Result	RL	MDL	Units	Q
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	104%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: MC27516
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV1022-BS	V27023.D	1	01/10/14	AMY	n/a	n/a	MSV1022

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27516-1, MC27516-2, MC27516-3, MC27516-4, MC27516-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	52.4	105	70-130
71-43-2	Benzene	50	52.8	106	70-130
75-27-4	Bromodichloromethane	50	59.0	118	70-130
75-25-2	Bromoform	50	44.9	90	70-130
74-83-9	Bromomethane	50	49.2	98	70-130
78-93-3	2-Butanone (MEK)	50	47.2	94	70-130
75-15-0	Carbon disulfide	50	47.5	95	70-130
56-23-5	Carbon tetrachloride	50	60.6	121	70-130
108-90-7	Chlorobenzene	50	48.5	97	70-130
75-00-3	Chloroethane	50	58.4	117	70-130
67-66-3	Chloroform	50	52.7	105	70-130
74-87-3	Chloromethane	50	51.2	102	70-130
110-82-7	Cyclohexane	50	49.8	100	71-145
96-12-8	1,2-Dibromo-3-chloropropane	50	54.8	110	70-130
124-48-1	Dibromochloromethane	50	58.4	117	70-130
106-93-4	1,2-Dibromoethane	50	50.8	102	70-130
95-50-1	1,2-Dichlorobenzene	50	51.6	103	70-130
541-73-1	1,3-Dichlorobenzene	50	52.5	105	70-130
106-46-7	1,4-Dichlorobenzene	50	52.6	105	70-130
75-71-8	Dichlorodifluoromethane	50	51.5	103	70-130
75-34-3	1,1-Dichloroethane	50	54.3	109	70-130
107-06-2	1,2-Dichloroethane	50	55.3	111	70-130
75-35-4	1,1-Dichloroethene	50	55.1	110	70-130
156-59-2	cis-1,2-Dichloroethene	50	53.1	106	70-130
156-60-5	trans-1,2-Dichloroethene	50	52.6	105	70-130
78-87-5	1,2-Dichloropropane	50	51.8	104	70-130
10061-01-5	cis-1,3-Dichloropropene	50	49.5	99	70-130
10061-02-6	trans-1,3-Dichloropropene	50	51.6	103	70-130
100-41-4	Ethylbenzene	50	56.3	113	70-130
76-13-1	Freon 113	50	54.2	108	70-130
591-78-6	2-Hexanone	50	48.4	97	70-130
98-82-8	Isopropylbenzene	50	61.2	122	70-130
79-20-9	Methyl Acetate	50	33.8	68	40-137
108-87-2	Methylcyclohexane	50	57.9	116	74-143
1634-04-4	Methyl Tert Butyl Ether	50	52.7	105	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	50.3	101	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC27516
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV1022-BS	V27023.D	1	01/10/14	AMY	n/a	n/a	MSV1022

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27516-1, MC27516-2, MC27516-3, MC27516-4, MC27516-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
75-09-2	Methylene chloride	50	49.1	98	70-130
100-42-5	Styrene	50	51.2	102	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	50.6	101	70-130
127-18-4	Tetrachloroethene	50	56.2	112	70-130
108-88-3	Toluene	50	56.2	112	70-130
120-82-1	1,2,4-Trichlorobenzene	50	62.8	126	70-130
71-55-6	1,1,1-Trichloroethane	50	59.1	118	70-130
79-00-5	1,1,2-Trichloroethane	50	51.2	102	70-130
79-01-6	Trichloroethene	50	55.4	111	70-130
75-69-4	Trichlorofluoromethane	50	59.0	118	70-130
75-01-4	Vinyl chloride	50	45.5	91	70-130
1330-20-7	Xylene (total)	150	140	93	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	99%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC27516
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC27557-2AMS	V27045.D	1	01/10/14	AMY	n/a	n/a	MSV1022
MC27557-2AMSD	V27046.D	1	01/10/14	AMY	n/a	n/a	MSV1022
MC27557-2A	V27033.D	1	01/10/14	AMY	n/a	n/a	MSV1022

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27516-1, MC27516-2, MC27516-3, MC27516-4, MC27516-5

CAS No.	Compound	MC27557-2A ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10 U		50	29.5	59* [a]	32.3	65* [a]	9	70-130/30
71-43-2	Benzene	1.0 U		50	50.0	100	49.7	99	1	70-130/30
75-27-4	Bromodichloromethane	2.0 U		50	52.8	106	52.2	104	1	70-130/30
75-25-2	Bromoform	2.0 U		50	41.3	83	42.1	84	2	70-130/30
74-83-9	Bromomethane	5.0 U		50	45.0	90	44.8	90	0	70-130/30
78-93-3	2-Butanone (MEK)	10 U		50	32.8	66* [a]	34.5	69* [a]	5	70-130/30
75-15-0	Carbon disulfide	5.0 U		50	44.9	90	44.8	90	0	70-130/30
56-23-5	Carbon tetrachloride	2.0 U		50	55.5	111	53.7	107	3	70-130/30
108-90-7	Chlorobenzene	2.0 U		50	45.0	90	44.7	89	1	70-130/30
75-00-3	Chloroethane	5.0 U		50	55.5	111	55.4	111	0	70-130/30
67-66-3	Chloroform	2.0 U		50	48.7	97	48.0	96	1	70-130/30
74-87-3	Chloromethane	5.0 U		50	46.9	94	50.3	101	7	70-130/30
110-82-7	Cyclohexane	5.0 U		50	47.3	95	47.0	94	1	60-160/30
96-12-8	1,2-Dibromo-3-chloropropane	10 U		50	55.3	111	57.4	115	4	70-130/30
124-48-1	Dibromochloromethane	2.0 U		50	54.1	108	54.2	108	0	70-130/30
106-93-4	1,2-Dibromoethane	2.0 U		50	48.8	98	49.3	99	1	70-130/30
95-50-1	1,2-Dichlorobenzene	2.0 U		50	48.4	97	48.6	97	0	70-130/30
541-73-1	1,3-Dichlorobenzene	2.0 U		50	48.9	98	48.8	98	0	70-130/30
106-46-7	1,4-Dichlorobenzene	2.0 U		50	48.6	97	48.4	97	0	70-130/30
75-71-8	Dichlorodifluoromethane	5.0 U		50	49.6	99	49.7	99	0	70-130/30
75-34-3	1,1-Dichloroethane	1.5	J	50	51.6	100	51.7	100	0	70-130/30
107-06-2	1,2-Dichloroethane	2.0 U		50	50.9	102	49.4	99	3	70-130/30
75-35-4	1,1-Dichloroethene	2.0 U		50	52.1	104	52.5	105	1	70-130/30
156-59-2	cis-1,2-Dichloroethene	2.0 U		50	49.4	99	49.9	100	1	70-130/30
156-60-5	trans-1,2-Dichloroethene	2.0 U		50	49.4	99	49.2	98	0	70-130/30
78-87-5	1,2-Dichloropropane	2.0 U		50	48.9	98	48.7	97	0	70-130/30
10061-01-5	cis-1,3-Dichloropropene	1.0 U		50	44.3	89	44.4	89	0	70-130/30
10061-02-6	trans-1,3-Dichloropropene	1.0 U		50	47.4	95	47.0	94	1	70-130/30
100-41-4	Ethylbenzene	2.0 U		50	51.6	103	51.2	102	1	70-130/30
76-13-1	Freon 113	5.0 U		50	51.3	103	50.4	101	2	70-130/30
591-78-6	2-Hexanone	10 U		50	37.7	75	37.8	76	0	70-130/30
98-82-8	Isopropylbenzene	5.0 U		50	57.7	115	57.7	115	0	70-130/30
79-20-9	Methyl Acetate	10 U		50	31.2	62	31.6	63	1	34-145/30
108-87-2	Methylcyclohexane	5.0 U		50	54.6	109	54.4	109	0	70-130/30
1634-04-4	Methyl Tert Butyl Ether	2.0 U		50	53.6	107	54.4	109	1	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	10 U		50	52.7	105	52.8	106	0	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC27516
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC27557-2AMS	V27045.D	1	01/10/14	AMY	n/a	n/a	MSV1022
MC27557-2AMSD	V27046.D	1	01/10/14	AMY	n/a	n/a	MSV1022
MC27557-2A	V27033.D	1	01/10/14	AMY	n/a	n/a	MSV1022

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27516-1, MC27516-2, MC27516-3, MC27516-4, MC27516-5

CAS No.	Compound	MC27557-2A ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
75-09-2	Methylene chloride	2.0 U		50	46.3	93	46.8	94	1	70-130/30
100-42-5	Styrene	5.0 U		50	40.5	81	44.3	89	9	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	2.0 U		50	50.5	101	51.6	103	2	70-130/30
127-18-4	Tetrachloroethene	2.0 U		50	51.6	103	51.7	103	0	70-130/30
108-88-3	Toluene	2.0 U		50	51.9	104	51.7	103	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	5.0 U		50	59.1	118	60.7	121	3	70-130/30
71-55-6	1,1,1-Trichloroethane	4.5		50	57.7	106	57.8	107	0	70-130/30
79-00-5	1,1,2-Trichloroethane	2.0 U		50	49.0	98	49.0	98	0	70-130/30
79-01-6	Trichloroethene	2.0 U		50	51.4	103	50.7	101	1	70-130/30
75-69-4	Trichlorofluoromethane	2.0 U		50	54.6	109	54.2	108	1	70-130/30
75-01-4	Vinyl chloride	2.0 U		50	43.8	88	43.4	87	1	70-130/30
1330-20-7	Xylene (total)	2.0 U		150	127	85	128	85	1	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC27557-2A	Limits
1868-53-7	Dibromofluoromethane	96%	97%	105%	70-130%
2037-26-5	Toluene-D8	97%	98%	93%	70-130%
460-00-4	4-Bromofluorobenzene	99%	100%	103%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC27516
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSV1019-BFB
Lab File ID: V26930.D
Instrument ID: GCMSV
Injection Date: 01/07/14
Injection Time: 11:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	65605	23.5		Pass
75	30.0 - 60.0% of mass 95	152485	54.6		Pass
95	Base peak, 100% relative abundance	279445	100.0		Pass
96	5.0 - 9.0% of mass 95	18508	6.62		Pass
173	Less than 2.0% of mass 174	2349	0.84	(0.93) [a]	Pass
174	50.0 - 100.0% of mass 95	253227	90.6		Pass
175	5.0 - 9.0% of mass 174	19225	6.88	(7.59) [a]	Pass
176	95.0 - 101.0% of mass 174	244565	87.5	(96.6) [a]	Pass
177	5.0 - 9.0% of mass 176	16506	5.91	(6.75) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSV1019-IC1019	V26932.D	01/07/14	12:30	00:53	Initial cal 0.25
MSV1019-IC1019	V26933.D	01/07/14	12:56	01:19	Initial cal 0.5
MSV1019-IC1019	V26934.D	01/07/14	13:22	01:45	Initial cal 1
MSV1019-IC1019	V26935.D	01/07/14	13:49	02:12	Initial cal 2
MSV1019-IC1019	V26936.D	01/07/14	14:16	02:39	Initial cal 5
MSV1019-IC1019	V26937.D	01/07/14	14:42	03:05	Initial cal 10
MSV1019-ICC1019	V26938.D	01/07/14	15:08	03:31	Initial cal 50
MSV1019-IC1019	V26939.D	01/07/14	15:35	03:58	Initial cal 100
MSV1019-IC1019	V26940.D	01/07/14	16:02	04:25	Initial cal 200
MSV1019-IC1019	V26942.D	01/07/14	17:47	06:10	Initial cal 400
MSV1019-ICV1019	V26944.D	01/07/14	19:05	07:28	Initial cal verification 50
ZZZZZZ	V26948.D	01/07/14	20:51	09:14	(unrelated sample)
ZZZZZZ	V26949.D	01/07/14	21:17	09:40	(unrelated sample)
ZZZZZZ	V26950.D	01/07/14	21:44	10:07	(unrelated sample)
ZZZZZZ	V26951.D	01/07/14	22:10	10:33	(unrelated sample)
ZZZZZZ	V26952.D	01/07/14	22:36	10:59	(unrelated sample)
ZZZZZZ	V26953.D	01/07/14	23:02	11:25	(unrelated sample)
ZZZZZZ	V26954.D	01/07/14	23:29	11:52	(unrelated sample)
ZZZZZZ	V26956.D	01/08/14	08:56	21:19	(unrelated sample)
ZZZZZZ	V26957.D	01/08/14	09:23	21:46	(unrelated sample)
ZZZZZZ	V26958.D	01/08/14	09:50	22:13	(unrelated sample)
ZZZZZZ	V26959.D	01/08/14	10:17	22:40	(unrelated sample)
ZZZZZZ	V26960.D	01/08/14	10:43	23:06	(unrelated sample)
ZZZZZZ	V26961.D	01/08/14	11:10	23:33	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: MC27516
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample:	MSV1019-BFB	**Injection Date:**	01/07/14
Lab File ID:	V26930.D	**Injection Time:**	11:37
Instrument ID:	GCMSV		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	V26962.D	01/08/14	11:36	23:59	(unrelated sample)
ZZZZZZ	V26963.D	01/08/14	12:02	24:25	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: MC27516
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSV1022-BFB
Lab File ID: V27021.D
Instrument ID: GCMSV
Injection Date: 01/10/14
Injection Time: 08:25

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	52283	24.9		Pass
75	30.0 - 60.0% of mass 95	121291	57.8		Pass
95	Base peak, 100% relative abundance	209792	100.0		Pass
96	5.0 - 9.0% of mass 95	13499	6.43		Pass
173	Less than 2.0% of mass 174	1406	0.67	(0.74) [a]	Pass
174	50.0 - 100.0% of mass 95	191125	91.1		Pass
175	5.0 - 9.0% of mass 174	14236	6.79	(7.45) [a]	Pass
176	95.0 - 101.0% of mass 174	184149	87.8	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	11791	5.62	(6.40) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSV1022-CC1019	V27022.D	01/10/14	08:52	00:27	Continuing cal 50
MSV1022-BS	V27023.D	01/10/14	09:19	00:54	Blank Spike
MSV1022-MB	V27027.D	01/10/14	11:06	02:41	Method Blank
ZZZZZZ	V27028.D	01/10/14	11:32	03:07	(unrelated sample)
ZZZZZZ	V27029.D	01/10/14	11:58	03:33	(unrelated sample)
ZZZZZZ	V27030.D	01/10/14	12:25	04:00	(unrelated sample)
ZZZZZZ	V27031.D	01/10/14	12:51	04:26	(unrelated sample)
ZZZZZZ	V27032.D	01/10/14	13:18	04:53	(unrelated sample)
MC27557-2A	V27033.D	01/10/14	13:44	05:19	(used for QC only; not part of job MC27516)
MC27557-3A	V27034.D	01/10/14	14:10	05:45	(used for QC only; not part of job MC27516)
ZZZZZZ	V27035.D	01/10/14	14:37	06:12	(unrelated sample)
ZZZZZZ	V27036.D	01/10/14	15:03	06:38	(unrelated sample)
ZZZZZZ	V27037.D	01/10/14	15:30	07:05	(unrelated sample)
ZZZZZZ	V27038.D	01/10/14	15:56	07:31	(unrelated sample)
MC27516-1	V27039.D	01/10/14	16:22	07:57	EPT-GW-MW29
MC27516-2	V27040.D	01/10/14	16:49	08:24	EPT-GW-MW38
MC27516-3	V27041.D	01/10/14	17:15	08:50	EPT-GW-MW37
MC27516-4	V27042.D	01/10/14	17:41	09:16	EPT-GW-MW34S
MC27516-5	V27043.D	01/10/14	18:08	09:43	EPT-GW-MW34N
MC27557-2AMS	V27045.D	01/10/14	19:00	10:35	Matrix Spike
MC27557-2AMSD	V27046.D	01/10/14	19:26	11:01	Matrix Spike Duplicate
MC27557-3AMS	V27047.D	01/10/14	19:52	11:27	Matrix Spike
MC27557-3AMSD	V27048.D	01/10/14	20:18	11:53	Matrix Spike Duplicate

Volatile Internal Standard Area Summary

Job Number: MC27516
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	MSV1022-CC1019	**Injection Date:**	01/10/14
Lab File ID:	V27022.D	**Injection Time:**	08:52
Instrument ID:	GCMSV	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	578795	6.53	713502	7.72	395659	11.06	434057	13.27	159435	3.49
Upper Limit [a]	1157590	7.03	1427004	8.22	791318	11.56	868114	13.77	318870	3.99
Lower Limit [b]	289398	6.03	356751	7.22	197830	10.56	217029	12.77	79718	2.99

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSV1022-BS	549640	6.53	691152	7.71	373484	11.06	412332	13.27	143762	3.49
MSV1022-MB	507219	6.54	675581	7.72	369195	11.06	351985	13.27	147519	3.50
ZZZZZZ	457232	6.53	604743	7.72	333058	11.06	312415	13.27	123523	3.50
ZZZZZZ	432482	6.54	576444	7.72	321943	11.06	301313	13.27	122804	3.50
ZZZZZZ	526823	6.54	671940	7.72	378521	11.06	424812	13.27	170386	3.50
ZZZZZZ	514971	6.54	671271	7.72	364104	11.06	368521	13.27	143957	3.50
ZZZZZZ	504666	6.53	669174	7.72	363654	11.06	347118	13.27	148651	3.49
MC27557-2A	482193	6.54	647572	7.72	350883	11.06	333325	13.28	151047	3.50
MC27557-3A	477759	6.54	631574	7.72	346434	11.06	324781	13.28	152045	3.50
ZZZZZZ	466239	6.53	614511	7.72	339714	11.06	325481	13.28	140292	3.49
ZZZZZZ	453654	6.54	602766	7.72	333769	11.06	315832	13.28	142832	3.50
ZZZZZZ	458593	6.54	617035	7.72	340829	11.06	321689	13.28	136370	3.50
ZZZZZZ	433007	6.54	580237	7.72	320974	11.06	304006	13.28	130762	3.50
MC27516-1	445339	6.54	570321	7.72	315513	11.06	306041	13.28	126476	3.50
MC27516-2	429709	6.54	566015	7.72	311295	11.06	302354	13.28	127440	3.50
MC27516-3	416419	6.54	555412	7.72	315532	11.06	299841	13.28	130741	3.50
MC27516-4	434045	6.54	569618	7.72	322763	11.06	320752	13.28	129329	3.50
MC27516-5	428115	6.54	571808	7.72	319460	11.06	300665	13.28	124740	3.49
MC27557-2AMS	585609	6.54	734382	7.73	396124	11.06	422735	13.28	157249	3.51
MC27557-2AMSD	603884	6.54	769797	7.73	412415	11.06	437826	13.28	183266	3.51
MC27557-3AMS	613258	6.54	781257	7.73	419714	11.06	448021	13.28	195248	3.51
MC27557-3AMSD	641967	6.54	816265	7.73	432675	11.06	470648	13.28	200672	3.51

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: MC27516
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8260C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC27516-1	V27039.D	104.0	98.0	103.0
MC27516-2	V27040.D	107.0	97.0	104.0
MC27516-3	V27041.D	109.0	100.0	105.0
MC27516-4	V27042.D	106.0	100.0	105.0
MC27516-5	V27043.D	108.0	98.0	105.0
MC27557-2AMS	V27045.D	96.0	97.0	99.0
MC27557-2AMSD	V27046.D	97.0	98.0	100.0
MSV1022-BS	V27023.D	98.0	99.0	99.0
MSV1022-MB	V27027.D	104.0	97.0	104.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC27516 **Sample:** MSV1019-ICC1019
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** V26938.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report MSV

Method : C:\msdchem\1\METHODS\v140107w.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

Calibration Files
0.25=v26932.D 0.5 =v26933.D 1 =v26934.D 2 =v26935.D
5 =v26936.D 10 =v26937.D 50 =v27022.D 100 =v26939.D
200 =v26940.D 400 =v26942.D = =

Compound	0.25	0.5	1	2	5	10	50	100	200	400	Avg	%RSD
1) I tert butyl alcohol-d9	ISTD											
2) tertiary butyl alcohol			1.289	1.165	1.286	1.236	1.318	1.346	1.414		1.294	6.14
3) Ethanol			0.368	0.365	0.404	0.341	0.338	0.312	0.299		0.347	10.31
4) I pentafluorobenzene	ISTD											
5) dichlorodifluoromethane			2.114	1.670	1.591	1.673	1.775	1.736	1.560	1.345	1.683	13.01
6) chloromethane			1.332	1.256	1.174	1.226	1.277	1.255	1.157	0.988	1.208	8.69
7) vinyl chloride			1.362	1.058	0.997	0.931	0.927	0.923	0.862	0.752	0.977	18.42
8) bromomethane			0.782	0.740	0.597	0.636	0.605	0.592	0.549	0.454	0.619	16.73
9) chloroethane			0.400	0.418	0.470	0.438	0.407	0.400	0.370	0.311	0.402	11.69
10) ethyl ether			0.698	0.653	0.504	0.575	0.505	0.509	0.464	0.406	0.539	18.00
11) acetonitrile			0.994	0.857	0.726	0.876	0.846	0.885	0.860	0.822	0.858	8.62
12) trichlorofluoromethane			1.467	1.235	1.277	1.242	1.315	1.291	1.172	0.981	1.247	11.02
13) freon-113			0.672	0.512	0.450	0.549	0.529	0.527	0.517	0.490	0.531	12.12
14) acrolein			0.074	0.083	0.068	0.075	0.079	0.079	0.075	0.064	0.075	8.60
15) 1,1-dichloroethene			0.565	0.480	0.408	0.507	0.492	0.493	0.483	0.473	0.488	8.82
16) acetone						0.068	0.107	0.091	0.075	0.076	0.083#	18.83
17) Methyl Acetate					0.661	0.709	0.634	0.642	0.633	0.563	0.640	7.41
18) methylene chloride			0.714	0.598	0.534	0.580	0.503	0.515	0.504	0.493	0.555	13.43
19) methyl tert butyl ether			1.132	1.066	0.904	1.044	1.047	1.111	1.076	1.008	1.049	6.70
20) acrylonitrile			0.167	0.223	0.196	0.220	0.205	0.207	0.201	0.181	0.200	9.47
21) allyl chloride			0.994	0.857	0.726	0.875	0.846	0.886	0.860	0.822	0.858	8.63
22) trans-1,2-dichloroethene			0.607	0.530	0.444	0.504	0.464	0.482	0.478	0.480	0.499	10.14
23) iodomethane												

```
                    1.173 1.079 0.913 1.091 0.991 1.030 0.995 0.973  1.031    7.91
24)  carbon disulfide
                    1.984 1.603 1.282 1.535 1.503 1.523 1.484 1.477  1.549   12.81
25)  propionitrile
                          0.064 0.073 0.071 0.075 0.075 0.069  0.071    5.65
26)  vinyl acetate
                     1.721 1.561 1.782 1.783 1.870 1.854 1.761  1.762    5.82
27)  chloroprene
                    0.756 0.704 0.680 0.863 0.864 0.893 0.885 0.886  0.817   10.84
28)  di-isopropyl ether
                    1.571 1.554 1.440 1.750 1.674 1.738 1.717 1.650  1.637    6.56
29)  methacrylonitrile
                     0.308 0.283 0.332 0.347 0.363 0.358 0.323  0.331    8.67
30)  2-butanone
                          0.035 0.047 0.069 0.064 0.059 0.061  0.056#  22.44
           ---- Linear regression ----  Coefficient =  0.9989
             Response Ratio = 0.00104 + 0.06036 *A

31)  Hexane
                    0.636 0.494 0.409 0.492 0.536 0.538 0.502 0.490  0.512   12.49
32)  1,1-dichloroethane
                    1.269 1.086 0.927 1.064 0.954 0.980 0.952 0.922  1.019   11.55
33)  tert-butyl ethyl ether
                    0.855 0.849 0.774 0.948 1.022 1.102 1.081 1.034  0.958   12.62
34)  isobutyl alcohol
                    0.368 0.344 0.312 0.356 0.357 0.374 0.371 0.352  0.354    5.59
35)  2,2-dichloropropane
                    0.488 0.465 0.372 0.471 0.487 0.518 0.514 0.515  0.479    9.96
36)  cis-1,2-dichloroethene
                    0.520 0.491 0.436 0.514 0.470 0.493 0.489 0.489  0.488    5.33
37)  ethyl acetate
                     1.721 1.561 1.782 1.783 1.871 1.855 1.761  1.762    5.83
38)  bromochloromethane
                    0.273 0.274 0.246 0.280 0.256 0.268 0.266 0.260  0.265    4.09
39)  chloroform
                    1.283 1.227 0.974 1.098 0.986 1.012 0.996 0.973  1.068   11.50
40)  dibromofluoromethane (s)
                          0.475 0.494 0.575 0.541 0.546 0.542  0.529    6.97
41)  Tetrahydrofuran
                     0.114 0.106 0.126 0.128 0.136 0.131 0.118  0.123    8.49
42)  1,1,1-trichloroethane
                    0.873 0.797 0.662 0.811 0.794 0.831 0.827 0.804  0.800    7.67

43) I   1,4-difluorobenzene   ----------------ISTD---------------------
44)  Cyclohexane
                     0.793 0.543 0.582 0.614 0.627 0.628 0.636  0.632   12.41
45)  carbon tetrachloride
                    0.653 0.576 0.476 0.596 0.633 0.669 0.694 0.717  0.627   12.27
46)  1,1-dichloropropene
                    0.630 0.496 0.422 0.514 0.511 0.541 0.558 0.585  0.532   11.77
47)  benzene
                0.973 1.451 1.316 1.129 1.333 1.256 1.323 1.357 1.421  1.284   11.64
48)  1,2-dichloroethane
                    0.810 0.810 0.690 0.776 0.709 0.729 0.732 0.719  0.747    6.15
49)  tert-amyl methyl ether
                    0.500 0.471 0.405 0.531 0.589 0.653 0.674 0.690  0.564   18.39
50)  heptane
                          0.249 0.338 0.426 0.449 0.442 0.443  0.391   20.68
           ---- Linear regression ----  Coefficient =  0.9999
             Response Ratio = -0.01432 + 0.44550 *A
```

51) trichloroethene
0.316 0.300 0.489 0.416 0.350 0.395 0.382 0.404 0.412 0.419 0.389 14.15
52) 1,2-dichloropropane
0.430 0.394 0.348 0.409 0.384 0.403 0.417 0.424 0.401 6.54
53) dibromomethane
0.286 0.277 0.242 0.276 0.265 0.276 0.286 0.282 0.274 5.31
54) bromodichloromethane
0.572 0.521 0.482 0.571 0.560 0.604 0.628 0.636 0.572 9.14
55) Methylcyclohexane
0.415 0.346 0.282 0.381 0.463 0.489 0.490 0.486 0.419 18.49
56) 2-chloroethyl vinyl ether
0.007 0.011 0.020 0.023 0.018 0.019 0.016# 37.03
---- Linear regression ---- Coefficient = 0.9947
Response Ratio = 0.00121 + 0.01873 *A

57) methyl methacrylate
0.145 0.173 0.201 0.228 0.249 0.246 0.207 20.18
---- Linear regression ---- Coefficient = 0.9994
Response Ratio = -0.02459 + 0.24944 *A

58) 1,4-dioxane
0.001 0.002 0.003 0.003 0.004 0.004 0.003# 44.53
---- Linear regression ---- Coefficient = 0.9996
Response Ratio = -0.00211 + 0.00362 *A

59) cis-1,3-dichloropropene
0.288 0.413 0.424 0.378 0.492 0.561 0.634 0.663 0.667 0.502 27.20
---- Linear regression ---- Coefficient = 0.9996
Response Ratio = -0.03449 + 0.66982 *A

60) toluene-d8 (s)
0.872 1.026 1.283 1.237 1.309 1.330 1.176 15.75
61) 4-methyl-2-pentanone
0.228 0.287 0.346 0.371 0.381 0.347 0.327 17.85
62) toluene
0.689 0.647 0.655 0.829 0.786 0.847 0.905 0.952 0.789 14.63
63) trans-1,3-dichloropropene
0.210 0.361 0.346 0.344 0.448 0.514 0.586 0.636 0.647 0.455 33.31
---- Linear regression ---- Coefficient = 0.9992
Response Ratio = -0.04614 + 0.64849 *A

64) 1,1,2-trichloroethane
0.285 0.268 0.255 0.291 0.276 0.295 0.313 0.314 0.287 7.22
65) ethyl methacrylate
0.223 0.313 0.397 0.446 0.487 0.482 0.391 26.86
---- Linear regression ---- Coefficient = 0.9995
Response Ratio = -0.05179 + 0.48977 *A

66) I chlorobenzene-d5 ----------ISTD----------
67) tetrachloroethene
0.641 0.611 0.897 0.776 0.703 0.805 0.803 0.854 0.915 0.962 0.797 14.67
68) 1,3-dichloropropane
0.990 0.954 0.896 1.043 1.005 1.071 1.147 1.144 1.031 8.57
69) dibromochloromethane
0.560 0.714 0.666 0.631 0.763 0.804 0.891 0.967 0.998 0.777 19.49
70) 1,2-dibromoethane
0.648 0.590 0.578 0.641 0.640 0.694 0.744 0.746 0.660 9.56
71) 2-hexanone

```
                                0.337 0.401 0.706 0.644 0.604 0.637  0.555   26.87
            ---- Linear regression ----  Coefficient =  0.9988
              Response Ratio = -0.01376 + 0.63390 *A

72)  chlorobenzene
                        2.348 2.087 1.786 2.036 1.883 1.992 2.099 2.190  2.053    8.51
73)  1,1,1,2-tetrachloroethane
                        0.672 0.729 0.616 0.749 0.740 0.812 0.887 0.892  0.762   12.75
74)  ethylbenzene
                        3.288 2.885 2.686 3.231 3.203 3.471 3.882 2.995  3.205   11.51
75)  m,p-xylene
                    0.659 1.077 1.038 0.974 1.218 1.191 1.318 1.469 1.488  1.159   22.42
            ---- Linear regression ----  Coefficient =  0.9990
              Response Ratio = -0.19950 + 1.49105 *A

76)  o-xylene
                    0.593 0.955 0.899 0.851 1.121 1.172 1.298 1.401 1.471  1.085   26.31
            ---- Linear regression ----  Coefficient =  0.9987
              Response Ratio = -0.11451 + 1.46658 *A

77)  styrene
                                1.487 1.908 1.949 2.196 2.488 2.431  2.076   18.04
78)  bromoform
                        0.503 0.449 0.430 0.488 0.563 0.664 0.753 0.784  0.579   23.79
            ---- Linear regression ----  Coefficient =  0.9981
              Response Ratio = -0.09162 + 0.78604 *A

79)  trans-1,4-dichloro-2-butene
                                0.193 0.233 0.281 0.335 0.379 0.380  0.300   25.92
            ---- Linear regression ----  Coefficient =  0.9989
              Response Ratio = -0.05740 + 0.38689 *A


80) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
81)  isopropylbenzene
                        2.342 2.293 2.129 2.823 2.911 2.958 2.893 2.398  2.593   12.91
82)  bromofluorobenzene (s)
                                0.725 0.842 0.974 0.893 0.890 0.979  0.884   10.66
83)  bromobenzene
                        0.815 0.752 0.716 0.867 0.821 0.829 0.827 0.907  0.817    7.37
84)  1,1,2,2-tetrachloroethane
                    0.642 0.890 0.768 0.703 0.798 0.730 0.746 0.746 0.776  0.755    8.98
85)  1,2,3-trichloropropane
                        0.887 0.841 0.817 0.951 0.926 0.830 0.994 0.875  0.890    7.04
86)  n-propylbenzene
                        2.760 2.764 2.779 3.630 3.554 3.682 3.704 2.553  3.178   15.83
87)  2-chlorotoluene
                        2.069 2.117 1.982 2.397 2.227 2.313 2.337 2.113  2.194    6.66
88)  4-chlorotoluene
                        2.369 2.522 2.415 2.899 2.658 2.836 2.906 2.443  2.631    8.53
89)  1,3,5-trimethylbenzene
                        1.863 2.023 2.008 2.586 2.569 2.735 2.776 2.269  2.354   15.25
90)  tert-butylbenzene
                        1.268 1.223 1.158 1.502 1.578 1.635 1.645 1.699  1.463   14.63
91)  1,2,4-trimethylbenzene
                        1.941 2.049 2.110 2.705 2.638 2.762 2.834 2.208  2.406   15.10
92)  sec-butylbenzene
                        2.477 2.297 2.297 2.972 3.063 3.215 3.237 2.388  2.743   15.19
93)  1,3-dichlorobenzene
                        1.714 1.708 1.422 1.653 1.553 1.624 1.661 1.686  1.628    6.01
```

Initial Calibration Summary

Job Number: MC27516 **Sample:** MSV1019-ICC1019
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** V26938.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
 94)  p-isopropyltoluene
                                  1.879 2.527 2.611 2.785 2.888 2.186  2.479   15.36
 95)  1,4-dichlorobenzene
                       1.971 1.783 1.473 1.684 1.576 1.676 1.724 1.664  1.694    8.63
 96)  1,2-dichlorobenzene
                       1.754 1.645 1.424 1.664 1.573 1.642 1.680 1.631  1.627    5.92
 97)  n-butylbenzene
                                  1.629 2.206 2.382 2.501 2.524 2.078  2.220   15.17
 98)  1,2-dibromo-3-chloropropane
                            0.119 0.101 0.121 0.129 0.141 0.142 0.135  0.127   11.48
 99)  1,3,5-trichlorobenzene
                       1.121 1.060 0.906 1.131 1.122 1.159 1.117 1.107  1.090    7.28
100)  1,2,4-trichlorobenzene
                       0.930 0.838 0.751 0.979 1.056 1.092 1.045 0.995  0.961   12.13
101)  hexachlorobutadiene
                       0.512 0.474 0.389 0.454 0.457 0.463 0.432 0.422  0.450    8.14
102)  naphthalene
                                  1.059 1.529 1.920 2.041 2.006 1.782  1.723   21.75
             ---- Linear regression ----  Coefficient =  0.9952
               Response Ratio = 0.17714 + 1.80577 *A

103)  1,2,3-trichlorobenzene
                       0.868 0.819 0.764 0.977 0.946 0.994 0.953 0.869  0.899    9.09
104)  2-Methylnaphthalene
                                  0.250 0.375 0.581 0.797 0.837 0.642  0.580   39.90
             ---- Quadratic regression ----  Coefficient =  0.9957
               Response Ratio = -0.09636 + 1.02735 *A + -0.08945 *A^2

105)  1-Methylnaphthalene
                                  0.226 0.347 0.536 0.675 0.664 0.480  0.488   36.30
             ---- Quadratic regression ----  Coefficient =  0.9970
               Response Ratio = -0.06856 + 0.85428 *A + -0.08874 *A^2

 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           v140107w.m        Fri Jan 10 17:08:15 2014
```

Initial Calibration Verification

Job Number: MC27516 **Sample:** MSV1019-ICV1019
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** V26944.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V140107\v26944.D Vial: 22
Acq On : 7 Jan 2014 7:05 pm Operator: amym
Sample : icv1019-50 Inst : MSV
Misc : MS30921,MSV1019,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\v140107w.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Jan 10 16:55:33 2014
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	110	0.01	3.51
2	p	tertiary butyl alcohol	1.294	1.357	-4.9	120	0.01	3.62
3	p	Ethanol	0.347	0.331	4.6	106	-0.02	2.59
4	I	pentafluorobenzene	1.000	1.000	0.0	113	0.02	6.55
5	p	dichlorodifluoromethane	1.683	1.741	-3.4	111	0.00	1.59
6	P	chloromethane	1.208	1.126	6.8	100	0.00	1.63
7	p	vinyl chloride	0.977	0.859	12.1	105	0.00	1.75
8	p	bromomethane	0.619	0.541	12.6	101	0.00	2.04
9	p	chloroethane	0.402	0.429	-6.7	119	0.00	2.15
10	p	ethyl ether	0.539	0.504	6.5	113	0.00	2.61
11	p	acetonitrile	0.858	0.882	-2.8	118	0.00	3.30
12	p	trichlorofluoromethane	1.247	1.171	6.1	101	0.00	2.36
13	p	freon-113	0.531	0.555	-4.5	119	0.00	2.94
14	p	acrolein	0.075	0.100	-33.3#	145	0.00	2.77
15	p	1,1-dichloroethene	0.488	0.533	-9.2	123	0.00	2.89
16	p	acetone	0.083	0.068#	18.1	72	0.01	2.92
17	p	Methyl Acetate	0.640	0.484	24.4#	86	0.00	3.27
18	p	methylene chloride	0.555	0.536	3.4	120	0.00	3.48
19	p	methyl tert butyl ether	1.049	1.095	-4.4	118	0.01	3.82
20	p	acrylonitrile	0.200	0.194	3.0	107	0.00	3.78
21	p	allyl chloride	0.858	0.882	-2.8	118	0.00	3.30
22	p	trans-1,2-dichloroethene	0.499	0.515	-3.2	126	0.01	3.84
23	p	iodomethane	1.031	0.977	5.2	111	0.00	3.05
24	p	carbon disulfide	1.549	1.488	3.9	112	0.00	3.13
25	p	propionitrile	0.071	0.067	5.6	107	0.02	5.65
26	p	vinyl acetate	1.762	1.722	2.3	109	0.01	4.56
27	p	chloroprene	0.817	0.945	-15.7	124	0.02	4.62
28	p	di-isopropyl ether	1.637	1.689	-3.2	114	0.02	4.60
29	p	methacrylonitrile	0.331	0.336	-1.5	110	0.02	5.91
		----------	Amount	Calc.	%Drift		----------	
30	p	2-butanone	50.000	41.276	17.4	84	0.02	5.53
		----------	AvgRF	CCRF	%Dev		----------	
31	p	Hexane	0.512	0.522	-2.0	110	0.01	4.25
32	P	1,1-dichloroethane	1.019	1.026	-0.7	122	0.02	4.51
33	p	tert-butyl ethyl ether	0.958	1.133	-18.3	125	0.02	5.26
34	p	isobutyl alcohol	0.354	0.344	2.8	109	0.01	4.56
35	p	2,2-dichloropropane	0.479	0.521	-8.8	121	0.02	5.53
36	p	cis-1,2-dichloroethene	0.488	0.511	-4.7	123	0.02	5.53
37	p	ethyl acetate	1.762	1.722	2.3	109	0.00	4.56

Initial Calibration Verification

Job Number: MC27516 **Sample:** MSV1019-ICV1019
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** V26944.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

38	p	bromochloromethane	0.265	0.271	-2.3	120	0.02	5.95
39	p	chloroform	1.068	0.999	6.5	115	0.02	6.16
40	S	dibromofluoromethane (s)	0.529	0.545	-3.0	107	0.02	6.43
41	p	Tetrahydrofuran	0.123	0.121	1.6	107	0.02	5.95
42	p	1,1,1-trichloroethane	0.800	0.828	-3.5	118	0.02	6.41
43	I	1,4-difluorobenzene	1.000	1.000	0.0	116	0.02	7.73
44	p	Cyclohexane	0.632	0.605	4.3	115	0.02	6.53
45	p	carbon tetrachloride	0.627	0.620	1.1	114	0.02	6.66
46	p	1,1-dichloropropene	0.532	0.535	-0.6	122	0.02	6.67
47	p	benzene	1.284	1.321	-2.9	122	0.02	6.99
48	p	1,2-dichloroethane	0.747	0.677	9.4	111	0.02	7.12
49	p	tert-amyl methyl ether	0.564	0.613	-8.7	121	0.02	7.28
			Amount	Calc.	%Drift			
50	p	heptane	50.000	47.791	4.4	112	0.02	7.55
			AvgRF	CCRF	%Dev			
51	p	trichloroethene	0.389	0.400	-2.8	122	0.02	8.02
52	p	1,2-dichloropropane	0.401	0.394	1.7	119	0.02	8.37
53	p	dibromomethane	0.274	0.260	5.1	114	0.02	8.48
54	p	bromodichloromethane	0.572	0.573	-0.2	119	0.02	8.73
55	p	Methylcyclohexane	0.419	0.481	-14.8	121	0.02	8.33
			Amount	Calc.	%Drift			
56	p	2-chloroethyl vinyl ether	50.000	209.729	-319.5#	462	0.02	9.10
57	p	methyl methacrylate	50.000	45.546	8.9	117	0.02	8.51
58	p	1,4-dioxane	250.000	216.859	13.3	106	0.02	8.50
59	p	cis-1,3-dichloropropene	50.000	46.007	8.0	121	0.01	9.26
			AvgRF	CCRF	%Dev			
60	S	toluene-d8 (s)	1.176	1.239	-5.4	112	0.01	9.54
61	p	4-methyl-2-pentanone	0.327	0.326	0.3	110	0.01	9.44
62	p	toluene	0.789	0.852	-8.0	126	0.01	9.62
			Amount	Calc.	%Drift			
63	p	trans-1,3-dichloropropene	50.000	47.036	5.9	128	0.01	9.91
			AvgRF	CCRF	%Dev			
64	p	1,1,2-trichloroethane	0.287	0.282	1.7	119	0.01	10.11
			Amount	Calc.	%Drift			
65	p	ethyl methacrylate	50.000	46.157	7.7	117	0.02	9.99
			AvgRF	CCRF	%Dev			
66	I	chlorobenzene-d5	1.000	1.000	0.0	117	0.01	11.07
67	p	tetrachloroethene	0.797	0.844	-5.9	123	0.01	10.17
68	p	1,3-dichloropropane	1.031	1.030	0.1	119	0.01	10.27
69	p	dibromochloromethane	0.777	0.826	-6.3	120	0.01	10.50
70	p	1,2-dibromoethane	0.660	0.658	0.3	120	0.01	10.60
			Amount	Calc.	%Drift			
71	p	2-hexanone	50.000	39.746	20.5#	81	0.01	10.35
			AvgRF	CCRF	%Dev			
72	P	chlorobenzene	2.053	1.896	7.6	117	0.01	11.10
73	p	1,1,1,2-tetrachloroethane	0.762	0.774	-1.6	122	0.01	11.20
74	p	ethylbenzene	3.205	3.402	-6.1	124	0.01	11.21

Initial Calibration Verification

Job Number: MC27516 **Sample:** MSV1019-ICV1019
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** V26944.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
75	p	m,p-xylene	100.000	89.589	10.4	121	0.01	11.34
76	p	o-xylene	50.000	45.381	9.2	121	0.01	11.70
			AvgRF	CCRF	%Dev			
77	p	styrene	2.076	2.058	0.9	123	0.01	11.72
			Amount	Calc.	%Drift			
78	P	bromoform	50.000	41.691	16.6	117	0.01	11.90
79	p	trans-1,4-dichloro-2-bute	50.000	40.082	19.8	105	0.01	12.38
			AvgRF	CCRF	%Dev			
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	114	0.01	13.28
81	p	isopropylbenzene	2.593	3.058	-17.9	120	0.01	12.06
82	S	bromofluorobenzene (s)	0.884	0.944	-6.8	111	0.01	12.22
83	p	bromobenzene	0.817	0.865	-5.9	120	0.01	12.35
84	P	1,1,2,2-tetrachloroethane	0.755	0.767	-1.6	120	0.01	12.35
85	p	1,2,3-trichloropropane	0.890	0.946	-6.3	117	0.01	12.39
86	p	n-propylbenzene	3.178	3.574	-12.5	115	0.01	12.44
87	p	2-chlorotoluene	2.194	2.294	-4.6	118	0.01	12.52
88	p	4-chlorotoluene	2.631	2.779	-5.6	119	0.01	12.63
89	p	1,3,5-trimethylbenzene	2.354	2.727	-15.8	121	0.01	12.61
90	p	tert-butylbenzene	1.463	1.612	-10.2	117	0.01	12.90
91	p	1,2,4-trimethylbenzene	2.406	2.718	-13.0	118	0.01	12.95
92	p	sec-butylbenzene	2.743	3.215	-17.2	120	0.01	13.10
93	p	1,3-dichlorobenzene	1.628	1.632	-0.2	120	0.01	13.21
94	p	p-isopropyltoluene	2.479	2.803	-13.1	123	0.01	13.24
95	p	1,4-dichlorobenzene	1.694	1.689	0.3	122	0.01	13.31
96	p	1,2-dichlorobenzene	1.627	1.586	2.5	115	0.01	13.62
97	p	n-butylbenzene	2.220	2.525	-13.7	121	0.01	13.61
98	p	1,2-dibromo-3-chloropropa	0.127	0.131	-3.1	116	0.01	14.32
99	p	1,3,5-trichlorobenzene	1.090	1.202	-10.3	122	0.01	14.49
100	p	1,2,4-trichlorobenzene	0.961	1.136	-18.2	123	0.01	15.05
101	p	hexachlorobutadiene	0.450	0.508	-12.9	127	0.01	15.17
			Amount	Calc.	%Drift			
102	p	naphthalene	50.000	49.729	0.5	117	0.01	15.28
			AvgRF	CCRF	%Dev			
103	p	1,2,3-trichlorobenzene	0.899	1.030	-14.6	124	0.01	15.47
			Amount	Calc.	%Drift			
104	p	2-Methylnaphthalene	25.000	26.905	-7.6	169	0.01	16.28
105	p	1-Methylnaphthalene	25.000	29.980	-19.9	175	0.02	16.45

(#) = Out of Range SPCC's out = 2 CCC's out = 0
v27022.D v140107w.m Fri Jan 10 17:08:13 2014

Continuing Calibration Summary

Job Number: MC27516 **Sample:** MSV1022-CC1019
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** V27022.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V140110\v27022.D Vial: 2
Acq On : 10 Jan 2014 8:52 am Operator: amym
Sample : cc1019-50 Inst : MSV
Misc : MS30950,MSV1022,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\v140107w.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Jan 10 16:55:33 2014
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	81	0.00	3.49
2	p	tertiary butyl alcohol	1.294	1.337	-3.3	88	0.00	3.60
3	p	Ethanol	0.347	0.353	-1.7	84	-0.03	2.57
4	I	pentafluorobenzene	1.000	1.000	0.0	89	0.00	6.53
5	p	dichlorodifluoromethane	1.683	1.630	3.1	82	0.00	1.59
6	P	chloromethane	1.208	1.201	0.6	84	0.00	1.63
7	p	vinyl chloride	0.977	0.874	10.5	84	0.00	1.75
8	p	bromomethane	0.619	0.605	2.3	89	0.00	2.04
9	p	chloroethane	0.402	0.409	-1.7	89	0.00	2.15
10	p	ethyl ether	0.539	0.507	5.9	89	0.00	2.60
11	p	acetonitrile	0.858	0.846	1.4	89	0.00	3.29
12	p	trichlorofluoromethane	1.247	1.513	-21.3#	102	0.00	2.36
13	p	freon-113	0.531	0.549	-3.4	92	0.00	2.93
14	p	acrolein	0.075	0.074	1.3	84	0.00	2.76
15	p	1,1-dichloroethene	0.488	0.461	5.5	84	0.00	2.89
16	p	acetone	0.083	0.094#	-13.3	78	0.00	2.91
17	p	Methyl Acetate	0.640	0.611	4.5	86	0.00	3.27
18	p	methylene chloride	0.555	0.487	12.3	86	0.00	3.47
19	p	methyl tert butyl ether	1.049	1.046	0.3	89	0.00	3.81
20	p	acrylonitrile	0.200	0.192	4.0	83	0.00	3.77
21	p	allyl chloride	0.858	0.845	1.5	89	0.00	3.29
22	p	trans-1,2-dichloroethene	0.499	0.448	10.2	86	0.00	3.83
23	p	iodomethane	1.031	0.966	6.3	87	0.00	3.05
24	p	carbon disulfide	1.549	1.405	9.3	83	0.00	3.12
25	p	propionitrile	0.071	0.066	7.0	82	0.00	5.63
26	p	vinyl acetate	1.762	1.811	-2.8	90	0.00	4.55
27	p	chloroprene	0.817	0.916	-12.1	94	0.00	4.60
28	p	di-isopropyl ether	1.637	1.699	-3.8	90	0.00	4.59
29	p	methacrylonitrile	0.331	0.343	-3.6	88	0.00	5.89
		----------	Amount	Calc.	%Drift		----------	
30	p	2-butanone	50.000	50.922	-1.8	81	0.00	5.51
		----------	AvgRF	CCRF	%Dev		----------	
31	p	Hexane	0.512	0.534	-4.3	89	0.00	4.23
32	P	1,1-dichloroethane	1.019	0.968	5.0	90	0.00	4.50
33	p	tert-butyl ethyl ether	0.958	1.029	-7.4	90	0.00	5.24
34	p	isobutyl alcohol	0.354	0.362	-2.3	90	0.00	4.55
35	p	2,2-dichloropropane	0.479	0.548	-14.4	100	0.00	5.51
36	p	cis-1,2-dichloroethene	0.488	0.458	6.1	87	0.00	5.51
37	p	ethyl acetate	1.762	1.809	-2.7	90	-0.02	4.55

Continuing Calibration Summary

Job Number: MC27516 **Sample:** MSV1022-CC1019
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** V27022.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

38	p	bromochloromethane	0.265	0.253	4.5	88	0.00	5.93
39	p	chloroform	1.068	1.035	3.1	93	0.00	6.14
40	S	dibromofluoromethane (s)	0.529	0.519	1.9	80	0.00	6.41
41	p	Tetrahydrofuran	0.123	0.119	3.3	83	0.00	5.93
42	p	1,1,1-trichloroethane	0.800	0.884	-10.5	99	0.00	6.39
43	I	1,4-difluorobenzene	1.000	1.000	0.0	87	0.00	7.72
44	p	Cyclohexane	0.632	0.605	4.3	85	0.00	6.51
45	p	carbon tetrachloride	0.627	0.730	-16.4	100	0.00	6.64
46	p	1,1-dichloropropene	0.532	0.532	0.0	90	0.00	6.65
47	p	benzene	1.284	1.241	3.3	86	0.00	6.97
48	p	1,2-dichloroethane	0.747	0.803	-7.5	98	0.00	7.10
49	p	tert-amyl methyl ether	0.564	0.598	-6.0	88	0.00	7.26
			Amount	Calc.	%Drift			
50	p	heptane	50.000	48.829	2.3	86	0.00	7.53
			AvgRF	CCRF	%Dev			
51	p	trichloroethene	0.389	0.391	-0.5	89	0.00	8.01
52	p	1,2-dichloropropane	0.401	0.382	4.7	86	0.00	8.36
53	p	dibromomethane	0.274	0.274	0.0	90	0.00	8.46
54	p	bromodichloromethane	0.572	0.617	-7.9	95	0.00	8.71
55	p	Methylcyclohexane	0.419	0.446	-6.4	83	0.00	8.31
			Amount	Calc.	%Drift			
56	p	2-chloroethyl vinyl ether	50.000	15.013	70.0#	29	0.00	9.09
57	p	methyl methacrylate	50.000	44.184	11.6	84	0.00	8.49
58	p	1,4-dioxane	250.000	191.387	23.4#	68	0.00	8.48
59	p	cis-1,3-dichloropropene	50.000	46.469	7.1	91	0.00	9.24
			AvgRF	CCRF	%Dev			
60	S	toluene-d8 (s)	1.176	1.175	0.1	79	0.00	9.53
61	p	4-methyl-2-pentanone	0.327	0.344	-5.2	86	0.00	9.42
62	p	toluene	0.789	0.798	-1.1	88	0.00	9.60
			Amount	Calc.	%Drift			
63	p	trans-1,3-dichloropropene	50.000	46.981	6.0	95	0.00	9.89
			AvgRF	CCRF	%Dev			
64	p	1,1,2-trichloroethane	0.287	0.281	2.1	88	0.00	10.10
			Amount	Calc.	%Drift			
65	p	ethyl methacrylate	50.000	44.712	10.6	84	0.00	9.97
			AvgRF	CCRF	%Dev			
66	I	chlorobenzene-d5	1.000	1.000	0.0	90	0.00	11.06
67	p	tetrachloroethene	0.797	0.804	-0.9	90	0.00	10.16
68	p	1,3-dichloropropane	1.031	0.985	4.5	88	0.00	10.26
69	p	dibromochloromethane	0.777	0.842	-8.4	95	0.00	10.48
70	p	1,2-dibromoethane	0.660	0.630	4.5	89	0.00	10.59
			Amount	Calc.	%Drift			
71	p	2-hexanone	50.000	55.553	-11.1	88	0.00	10.33
			AvgRF	CCRF	%Dev			
72	P	chlorobenzene	2.053	1.836	10.6	88	0.00	11.09
73	p	1,1,1,2-tetrachloroethane	0.762	0.765	-0.4	93	0.00	11.19
74	p	ethylbenzene	3.205	3.195	0.3	90	0.00	11.19

Continuing Calibration Summary

Job Number: MC27516 **Sample:** MSV1022-CC1019
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** V27022.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

			Amount	Calc.	%Drift			
75	p	m,p-xylene	100.000	85.103	14.9	89	0.00	11.32
76	p	o-xylene	50.000	42.909	14.2	88	0.00	11.69
			AvgRF	CCRF	%Dev			
77	p	styrene	2.076	1.915	7.8	89	0.00	11.71
			Amount	Calc.	%Drift			
78	P	bromoform	50.000	43.339	13.3	94	0.00	11.88
79	p	trans-1,4-dichloro-2-bute	50.000	45.094	9.8	94	0.00	12.37
			AvgRF	CCRF	%Dev			
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	89	0.00	13.27
81	p	isopropylbenzene	2.593	2.927	-12.9	90	0.00	12.04
82	S	bromofluorobenzene (s)	0.884	0.879	0.6	81	0.00	12.21
83	p	bromobenzene	0.817	0.823	-0.7	90	0.00	12.33
84	P	1,1,2,2-tetrachloroethane	0.755	0.701	7.2	86	0.00	12.34
85	p	1,2,3-trichloropropane	0.890	0.939	-5.5	91	0.00	12.38
86	p	n-propylbenzene	3.178	3.600	-13.3	90	0.00	12.43
87	p	2-chlorotoluene	2.194	2.281	-4.0	91	0.00	12.51
88	p	4-chlorotoluene	2.631	2.772	-5.4	93	0.00	12.62
89	p	1,3,5-trimethylbenzene	2.354	2.662	-13.1	93	0.00	12.60
90	p	tert-butylbenzene	1.463	1.660	-13.5	94	0.00	12.89
91	p	1,2,4-trimethylbenzene	2.406	2.709	-12.6	92	0.00	12.94
92	p	sec-butylbenzene	2.743	3.061	-11.6	89	0.00	13.09
93	p	1,3-dichlorobenzene	1.628	1.569	3.6	90	0.00	13.20
94	p	p-isopropyltoluene	2.479	2.661	-7.3	91	0.00	13.23
95	p	1,4-dichlorobenzene	1.694	1.578	6.8	89	0.00	13.29
96	p	1,2-dichlorobenzene	1.627	1.566	3.7	89	0.00	13.61
97	p	n-butylbenzene	2.220	2.376	-7.0	89	0.00	13.60
98	p	1,2-dibromo-3-chloropropa	0.127	0.133	-4.7	92	0.00	14.31
99	p	1,3,5-trichlorobenzene	1.090	1.129	-3.6	90	0.00	14.48
100	p	1,2,4-trichlorobenzene	0.961	1.042	-8.4	88	0.00	15.03
101	p	hexachlorobutadiene	0.450	0.462	-2.7	90	0.00	15.15
			Amount	Calc.	%Drift			
102	p	naphthalene	50.000	43.858	12.3	82	0.00	15.27
			AvgRF	CCRF	%Dev			
103	p	1,2,3-trichlorobenzene	0.899	0.914	-1.7	86	0.00	15.45
			Amount	Calc.	%Drift			
104	p	2-Methylnaphthalene	25.000	16.340	34.6#	71	0.00	16.26
105	p	1-Methylnaphthalene	25.000	17.073	31.7#	71	0.00	16.43

(#) = Out of Range SPCC's out = 1 CCC's out = 0
v27022.D v140107w.m Mon Jan 13 09:57:02 2014

New England ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27039.D
Acq On : 10 Jan 2014 4:22 pm
Operator : amym
Sample : mc27516-1
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 13 10:07:52 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

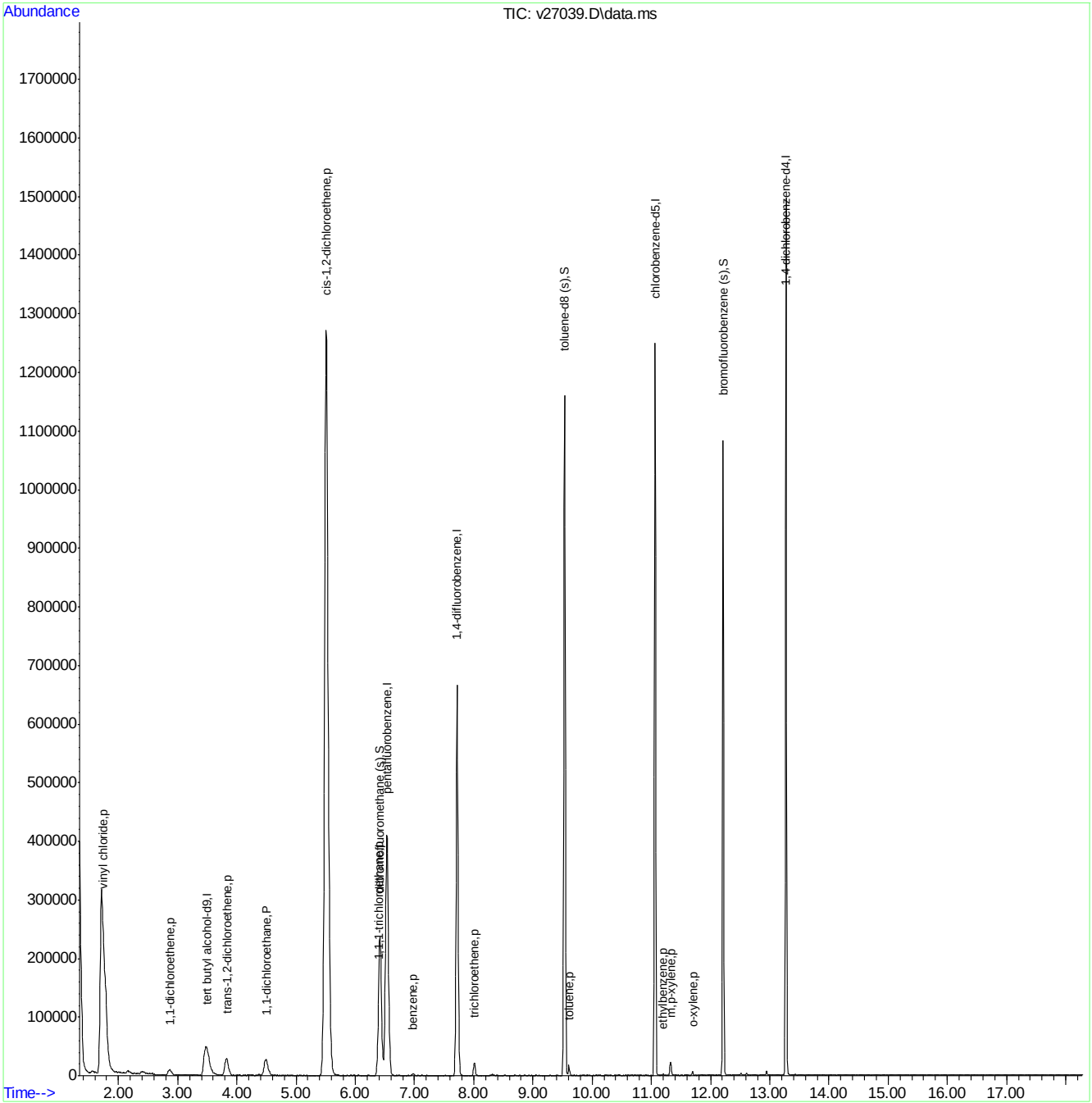
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.499	65	126476	500.00	ug/L	#	0.00
4) pentafluorobenzene	6.538	168	445339	50.00	ug/L		0.00
43) 1,4-difluorobenzene	7.721	114	570321	50.00	ug/L		0.00
66) chlorobenzene-d5	11.063	82	315513	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.276	152	306041	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	6.419	113	245946	52.23	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.46%				
60) toluene-d8 (s)	9.535	98	658381	49.08	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.16%				
82) bromofluorobenzene (s)	12.213	95	278694	51.52	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.04%				
Target Compounds							Qvalue
7) vinyl chloride	1.744	62	996494	114.56	ug/L		98
15) 1,1-dichloroethene	2.867	96	6267	1.44	ug/L	#	55
22) trans-1,2-dichloroethene	3.830	96	22145	4.99	ug/L	#	68
32) 1,1-dichloroethane	4.497	63	65904	7.26	ug/L		96
36) cis-1,2-dichloroethene	5.515	96	1029564	236.94	ug/L	#	80
42) 1,1,1-trichloroethane	6.392	97	4443	0.62	ug/L		91
47) benzene	6.976	78	3699	0.25	ug/L		80
51) trichloroethene	8.013	95	8713	1.97	ug/L		88
62) toluene	9.610	92	7244	0.81	ug/L		100
74) ethylbenzene	11.198	91	2549	0.13	ug/L		98
75) m,p-xylene	11.325	106	6432	7.37	ug/L		89
76) o-xylene	11.694	106	1547	4.07	ug/L		96

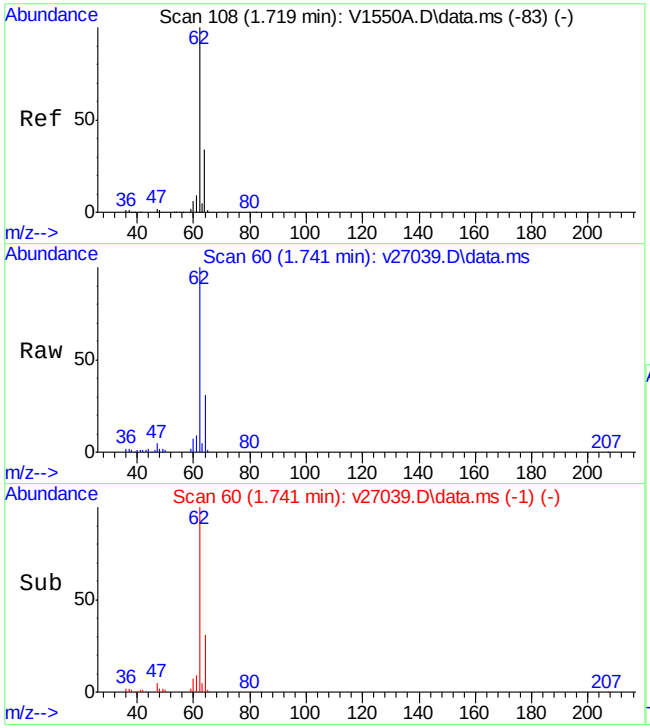
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27039.D
Acq On : 10 Jan 2014 4:22 pm
Operator : amym
Sample : mc27516-1
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 13 10:07:52 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

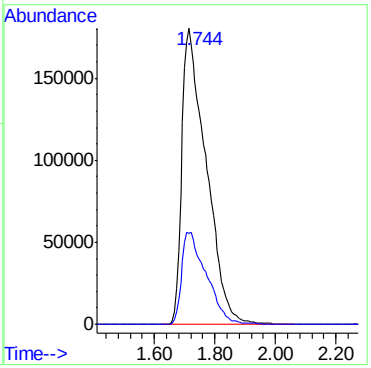


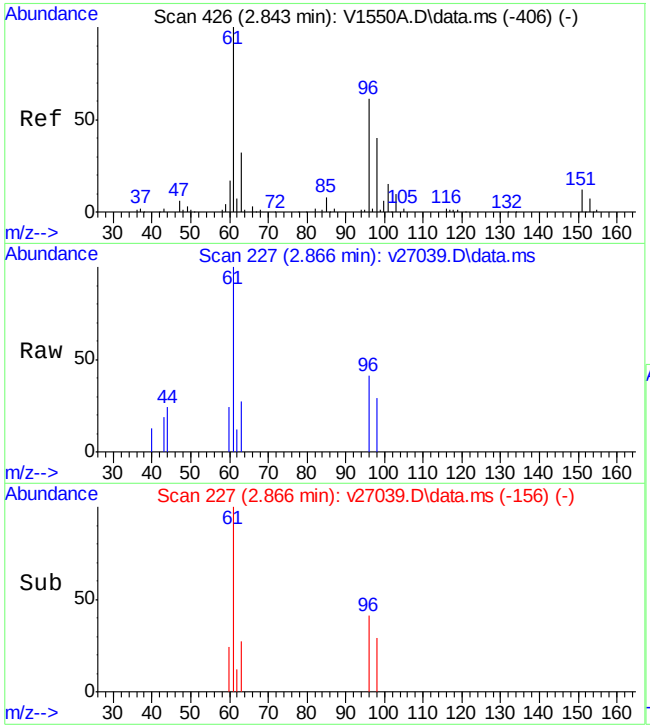


#7
vinyl chloride
Concen: 114.56 ug/L
RT: 1.744 min Scan# 60
Delta R.T. -0.011 min
Lab File: v27039.D
Acq: 10 Jan 2014 4:22 pm

Tgt Ion: 62 Resp: 996494

Ion	Ratio	Lower	Upper
62	100		
64	31.0	2.2	62.2

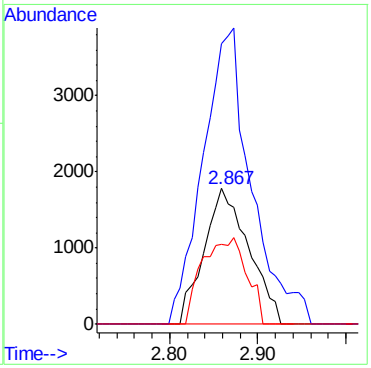


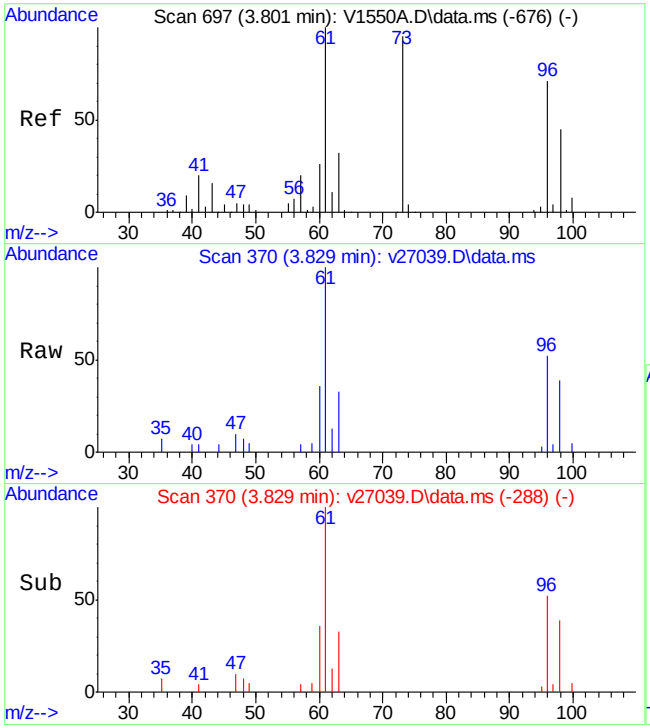


#15
1,1-dichloroethene
Concen: 1.44 ug/L
RT: 2.867 min Scan# 227
Delta R.T. -0.020 min
Lab File: v27039.D
Acq: 10 Jan 2014 4:22 pm

Tgt Ion: 96 Resp: 6267

Ion	Ratio	Lower	Upper
96	100		
61	241.1	136.6	196.6#
63	65.3	23.9	83.9

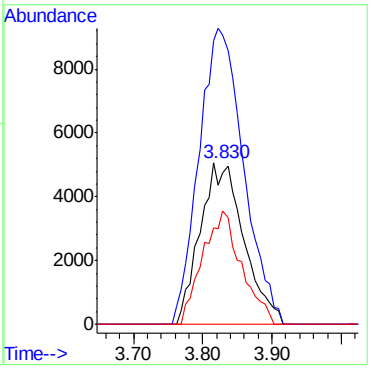


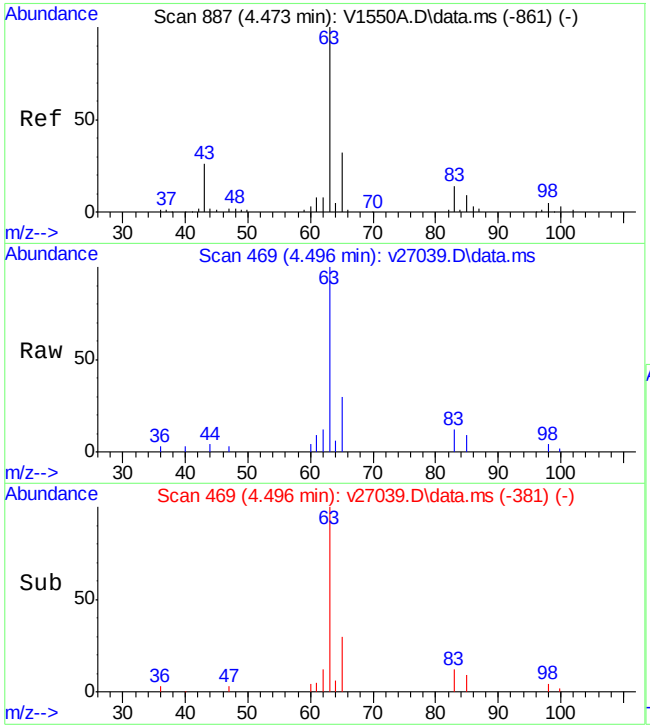


#22
trans-1,2-dichloroethene
Concen: 4.99 ug/L
RT: 3.830 min Scan# 370
Delta R.T. 0.002 min
Lab File: v27039.D
Acq: 10 Jan 2014 4:22 pm

Tgt Ion: 96 Resp: 22145

Ion	Ratio	Lower	Upper
96	100		
61	191.2	113.0	173.0#
98	74.8	33.1	93.1

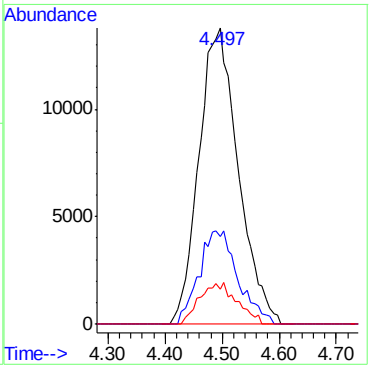


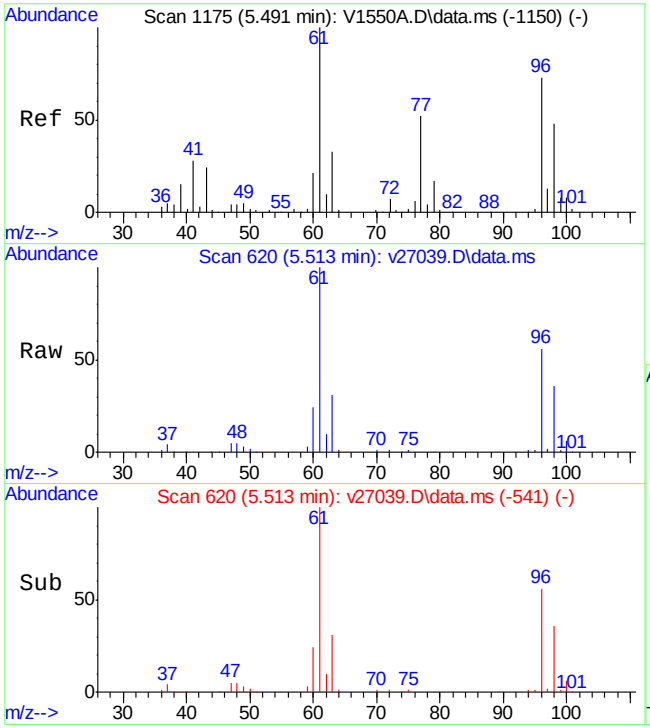


#32
1,1-dichloroethane
Concen: 7.26 ug/L
RT: 4.497 min Scan# 469
Delta R.T. 0.000 min
Lab File: v27039.D
Acq: 10 Jan 2014 4:22 pm

Tgt Ion: 63 Resp: 65904

Ion	Ratio	Lower	Upper
63	100		
65	29.6	1.2	61.2
83	11.7	0.0	44.0

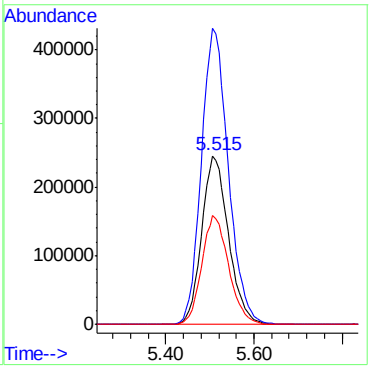


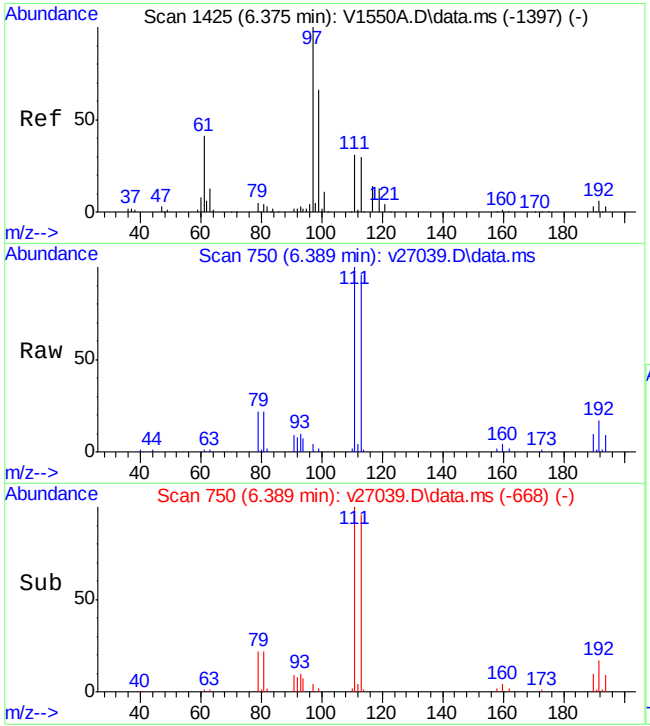


#36
cis-1,2-dichloroethene
Concen: 236.94 ug/L
RT: 5.515 min Scan# 620
Delta R.T. 0.005 min
Lab File: v27039.D
Acq: 10 Jan 2014 4:22 pm

Tgt Ion: 96 Resp: 1029564

Ion	Ratio	Lower	Upper
96	100		
61	177.0	112.2	172.2#
98	64.0	33.6	93.6

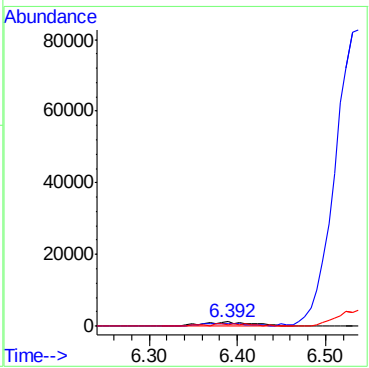


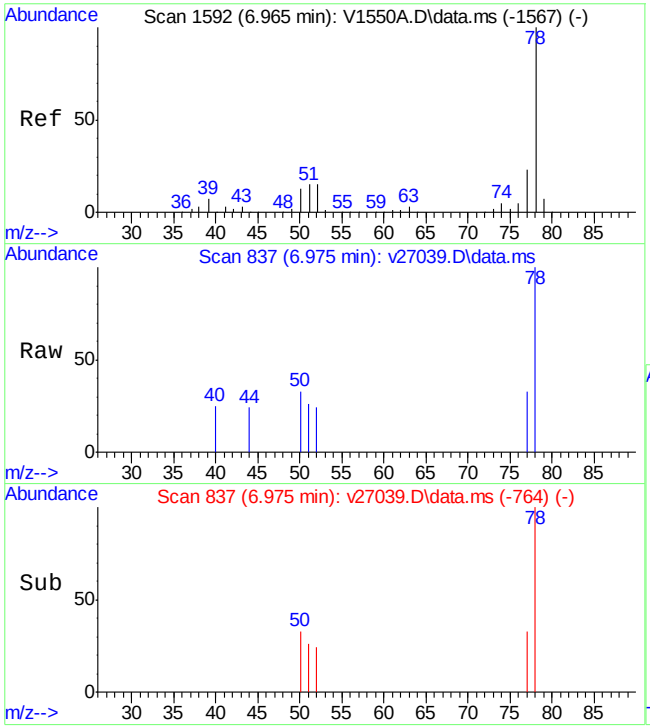


#42
1,1,1-trichloroethane
Concen: 0.62 ug/L
RT: 6.392 min Scan# 750
Delta R.T. 0.005 min
Lab File: v27039.D
Acq: 10 Jan 2014 4:22 pm

Tgt Ion: 97 Resp: 4443

Ion	Ratio	Lower	Upper
97	100		
99	55.5	34.7	94.7
61	35.9	8.7	68.7

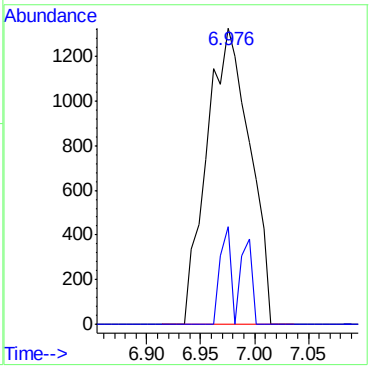


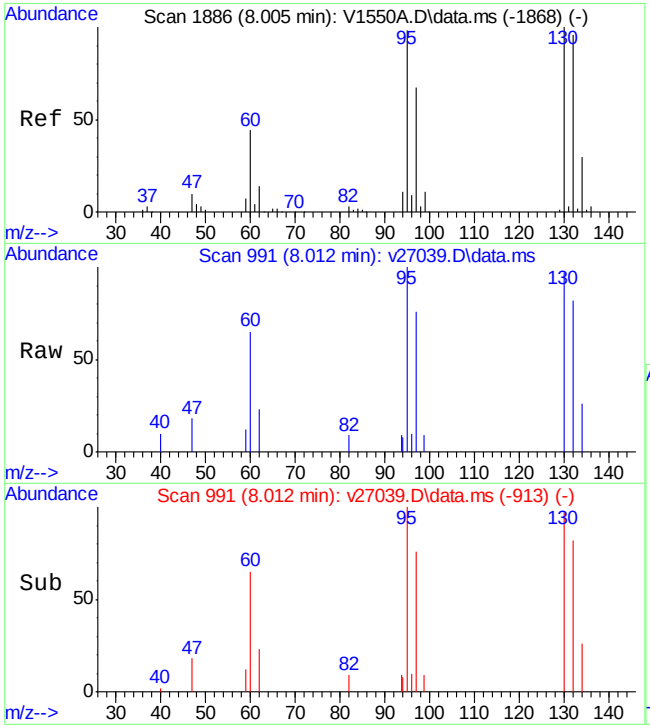


#47
benzene
Concen: 0.25 ug/L
RT: 6.976 min Scan# 837
Delta R.T. 0.003 min
Lab File: v27039.D
Acq: 10 Jan 2014 4:22 pm

Tgt Ion: 78 Resp: 3699

Ion	Ratio	Lower	Upper
78	100		
77	33.0	0.0	53.1

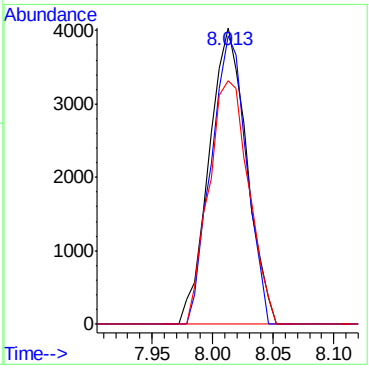


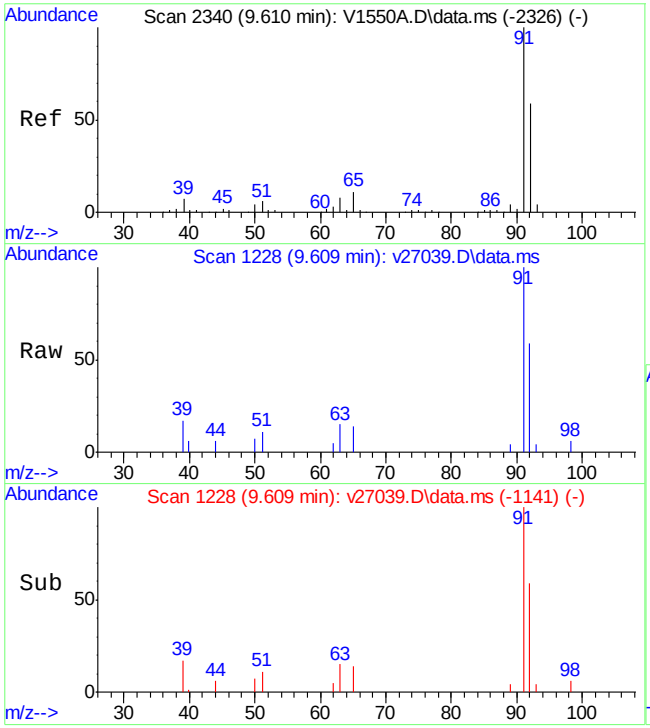


#51
trichloroethene
Concen: 1.97 ug/L
RT: 8.013 min Scan# 991
Delta R.T. 0.005 min
Lab File: v27039.D
Acq: 10 Jan 2014 4:22 pm

Tgt Ion: 95 Resp: 8713

Ion	Ratio	Lower	Upper
95	100		
130	97.2	74.4	134.4
132	82.1	69.6	129.6

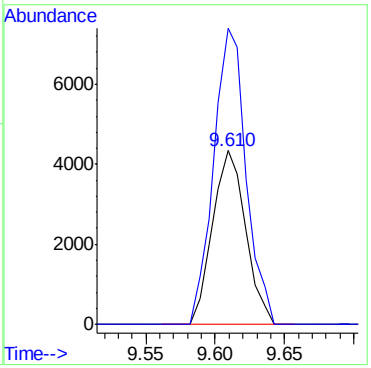


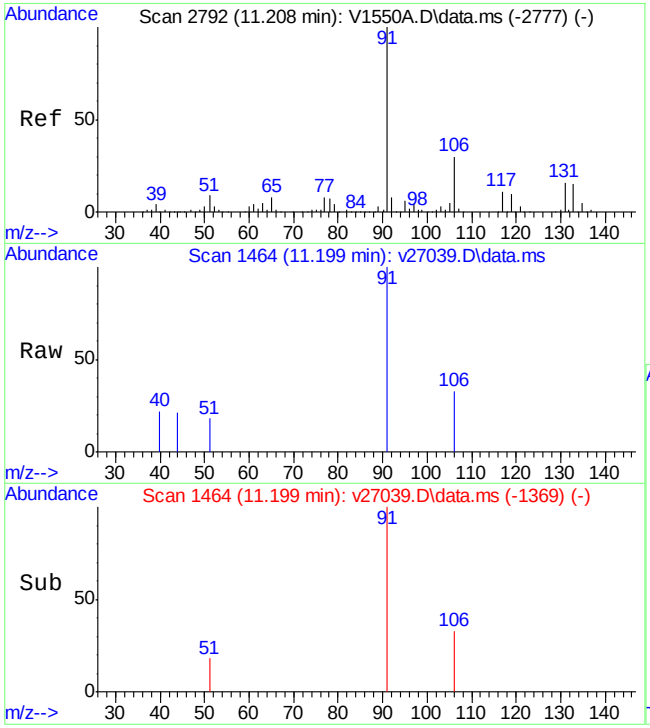


#62
toluene
Concen: 0.81 ug/L
RT: 9.610 min Scan# 1228
Delta R.T. 0.006 min
Lab File: v27039.D
Acq: 10 Jan 2014 4:22 pm

Tgt Ion: 92 Resp: 7244

Ion	Ratio	Lower	Upper
92	100		
91	170.6	141.2	201.2

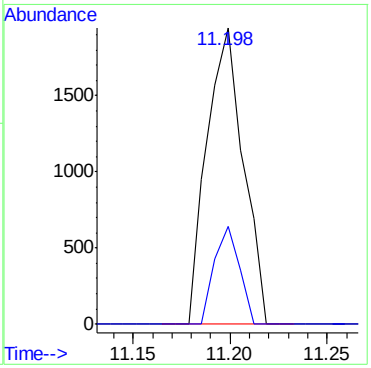


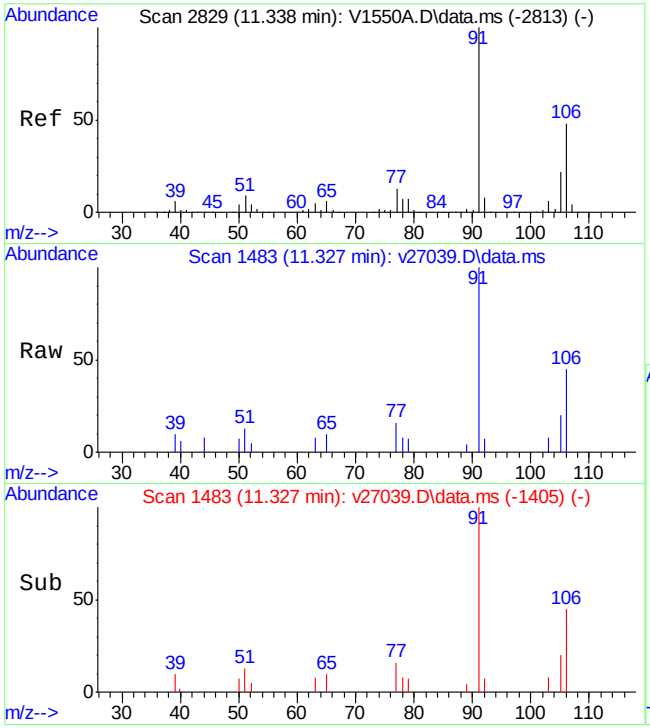


#74
ethylbenzene
Concen: 0.13 ug/L
RT: 11.198 min Scan# 1464
Delta R.T. 0.006 min
Lab File: v27039.D
Acq: 10 Jan 2014 4:22 pm

Tgt Ion: 91 Resp: 2549

Ion	Ratio	Lower	Upper
91	100		
106	33.0	2.1	62.1

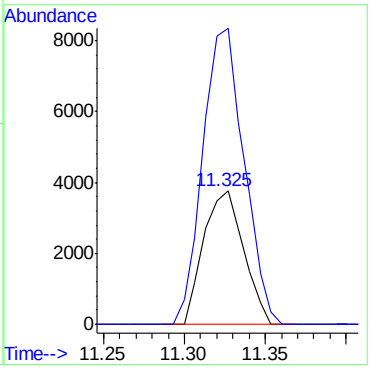


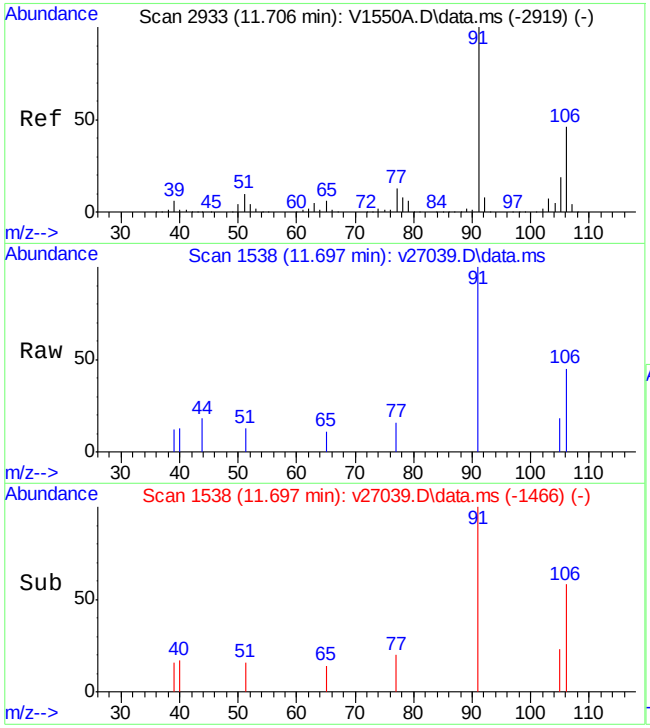


#75
m,p-xylene
Concen: 7.37 ug/L
RT: 11.325 min Scan# 1483
Delta R.T. 0.002 min
Lab File: v27039.D
Acq: 10 Jan 2014 4:22 pm

Tgt Ion:106 Resp: 6432

Ion	Ratio	Lower	Upper
106	100		
91	222.1	175.7	235.7

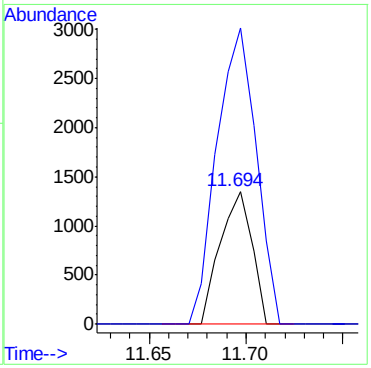




#76
o-xylene
Concen: 4.07 ug/L
RT: 11.694 min Scan# 1538
Delta R.T. 0.004 min
Lab File: v27039.D
Acq: 10 Jan 2014 4:22 pm

Tgt Ion:106 Resp: 1547

Ion	Ratio	Lower	Upper
106	100		
91	223.2	186.5	246.5



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27039.D
Acq On : 10 Jan 2014 4:22 pm
Operator : amym
Sample : mc27516-1
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\v140107w.m
Title : SW-846 Method 8260

Signal : TIC: v27039.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.922	215	235	301	rVB2	10262	54059	1.00%	0.314%
2	3.500	301	321	357	rVV3	48896	317659	5.85%	1.846%
3	3.840	357	372	425	rVV4	29795	131139	2.41%	0.762%
4	4.239	425	431	439	rVV2	1675	4044	0.07%	0.024%
5	4.363	439	449	455	rVV3	1921	5534	0.10%	0.032%
6	4.505	455	470	519	rVB2	27304	135741	2.50%	0.789%
7	4.865	519	524	529	rVB	1124	3195	0.06%	0.019%
8	5.040	533	550	565	rBV2	1014	10020	0.18%	0.058%
9	5.192	565	572	581	rVB2	710	2353	0.04%	0.014%
10	5.303	581	589	597	rBV2	531	2369	0.04%	0.014%
11	5.514	601	620	667	rVB	1271247	5431635	100.00%	31.567%
12	6.076	697	704	711	rVB2	581	2112	0.04%	0.012%
13	6.183	711	719	727	rBV2	616	2219	0.04%	0.013%
14	6.418	737	754	763	rBV2	236461	854539	15.73%	4.966%
15	6.536	763	772	791	rVB	411147	1373689	25.29%	7.983%
16	6.973	829	837	843	rVB5	3520	9397	0.17%	0.055%
17	7.088	845	854	865	rVV2	859	4531	0.08%	0.026%
18	7.194	865	870	875	rVV2	754	1662	0.03%	0.010%
19	7.293	875	884	893	rVB	512	1762	0.03%	0.010%
20	7.721	937	948	963	rVB	666709	1511024	27.82%	8.782%
21	8.013	981	991	1005	rVB	21967	46689	0.86%	0.271%
22	8.313	1027	1036	1045	rVB3	2586	8809	0.16%	0.051%
23	8.464	1045	1058	1071	rBV2	955	7534	0.14%	0.044%
24	8.741	1091	1099	1107	rVB2	659	2264	0.04%	0.013%
25	9.172	1141	1163	1185	rBV2	625	5948	0.11%	0.035%
26	9.436	1197	1202	1207	rBV2	925	3047	0.06%	0.018%
27	9.535	1207	1217	1225	rVV	1160298	1876370	34.55%	10.905%
28	9.614	1225	1229	1243	rVB	18338	31655	0.58%	0.184%
29	9.968	1269	1281	1291	rBV	580	3274	0.06%	0.019%
30	10.105	1291	1302	1313	rVV2	608	3499	0.06%	0.020%
31	10.289	1313	1329	1345	rVV2	640	5230	0.10%	0.030%
32	11.063	1433	1444	1457	rBV	1249424	1763588	32.47%	10.249%
33	11.205	1457	1465	1475	rVV2	3148	5253	0.10%	0.031%
34	11.357	1475	1487	1533	rVV2	22960	46410	0.85%	0.270%

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27039.D
Acq On : 10 Jan 2014 4:22 pm
Operator : amym
Sample : mc27516-1
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\v140107w.m
Title : SW-846 Method 8260

35	11.695	1533	1538	1543	rVB2	6995	9907	0.18%	0.058%
36	12.213	1607	1615	1643	rBV	1083689	1504849	27.71%	8.746%
37	12.524	1655	1661	1669	rBV	3209	5780	0.11%	0.034%
38	12.621	1669	1675	1693	rVV	4495	5783	0.11%	0.034%
39	12.810	1693	1703	1717	rVV2	1007	2262	0.04%	0.013%
40	12.991	1717	1730	1763	rVV2	7013	12091	0.22%	0.070%
41	13.275	1763	1772	1793	rVV	1497216	1977210	36.40%	11.491%
42	13.683	1793	1833	1879	rVB2	3012	20575	0.38%	0.120%

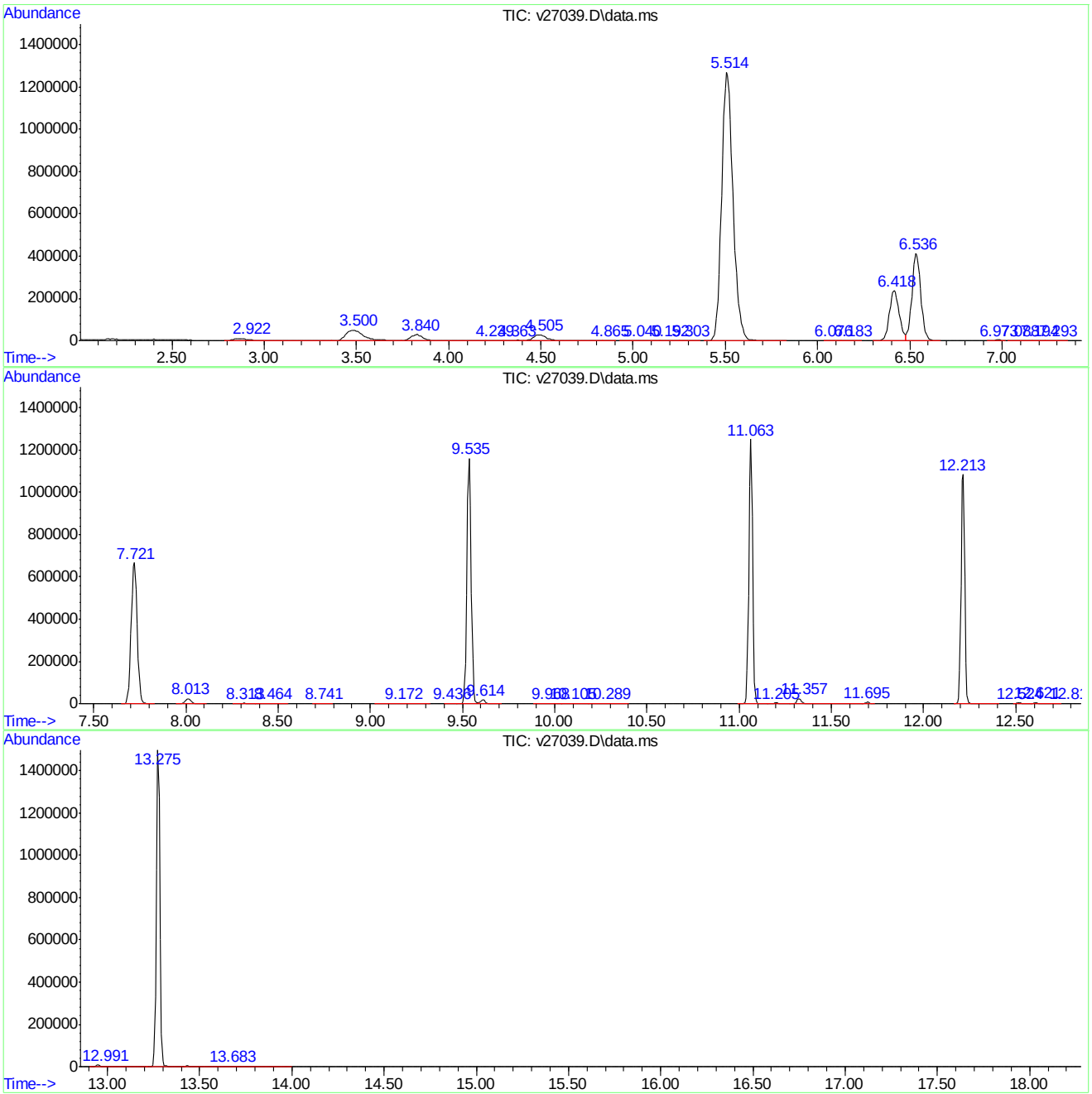
Sum of corrected areas: 17206710

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27039.D
Acq On : 10 Jan 2014 4:22 pm
Operator : amym
Sample : mc27516-1
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27039.D
Acq On : 10 Jan 2014 4:22 pm
Operator : amym
Sample : mc27516-1
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27039.D
Acq On : 10 Jan 2014 4:22 pm
Operator : amym
Sample : mc27516-1
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27040.D
Acq On : 10 Jan 2014 4:49 pm
Operator : amym
Sample : mc27516-2
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 13 10:08:57 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

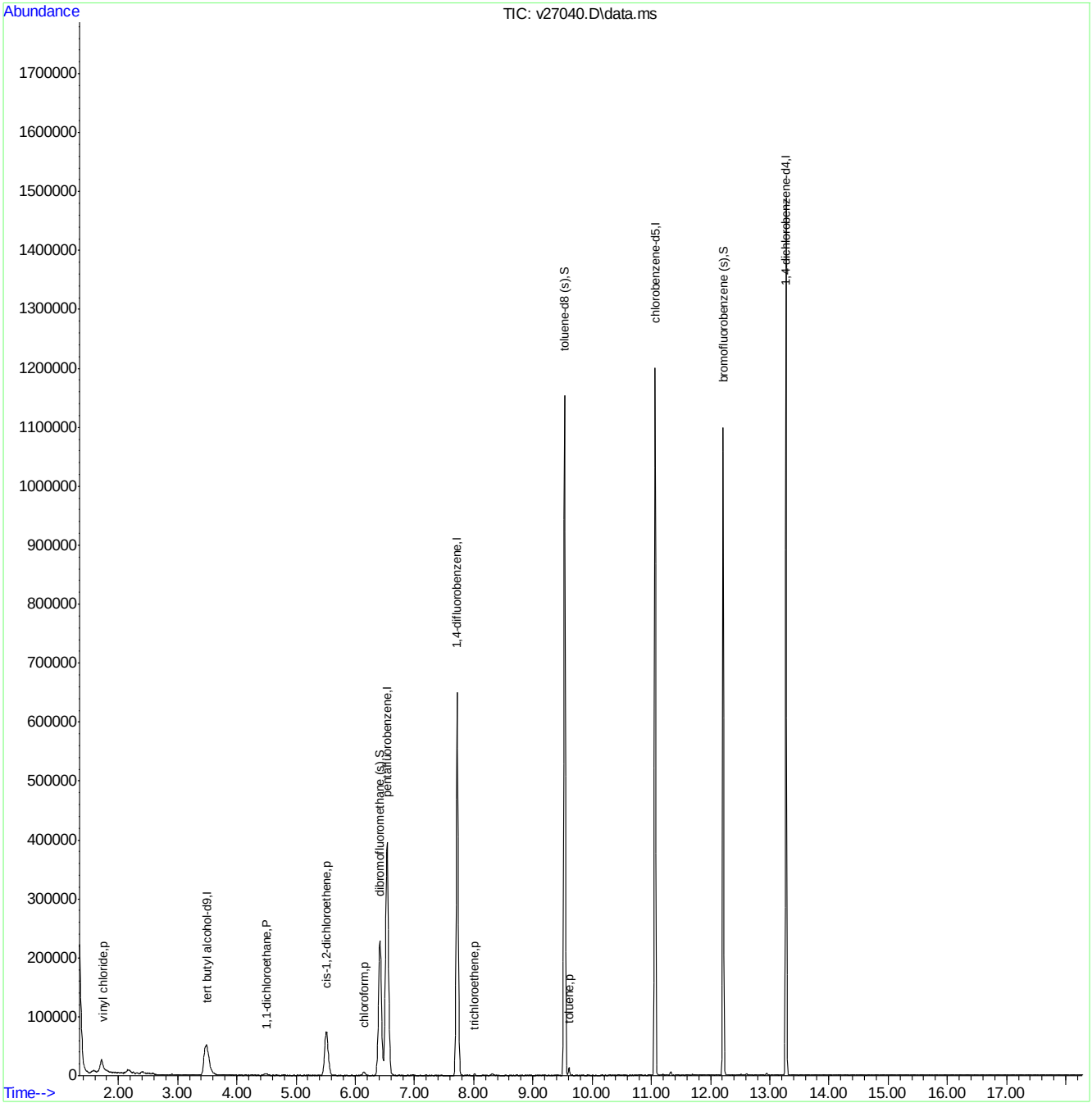
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.498	65	127440	500.00	ug/L	# 0.00
4) pentafluorobenzene	6.538	168	429709	50.00	ug/L	0.00
43) 1,4-difluorobenzene	7.723	114	566015	50.00	ug/L	0.00
66) chlorobenzene-d5	11.063	82	311295	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	13.276	152	302354	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	6.419	113	242340	53.34	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.68%			
60) toluene-d8 (s)	9.536	98	648316	48.70	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.40%			
82) bromofluorobenzene (s)	12.213	95	276807	51.79	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.58%			
Target Compounds						Qvalue
7) vinyl chloride	1.742	62	24977	2.98	ug/L	98
32) 1,1-dichloroethane	4.494	63	9623	1.10	ug/L	93
36) cis-1,2-dichloroethene	5.514	96	62293	14.86	ug/L #	76
39) chloroform	6.149	83	8848	0.96	ug/L	83
51) trichloroethene	8.015	95	1239	0.28	ug/L	84
62) toluene	9.610	92	5555	0.62	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

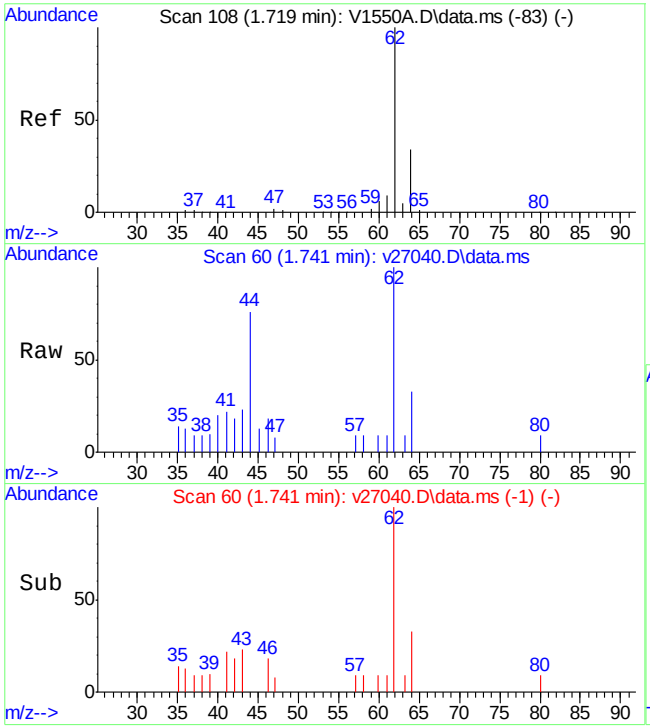
Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27040.D
Acq On : 10 Jan 2014 4:49 pm
Operator : amym
Sample : mc27516-2
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 13 10:08:57 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration



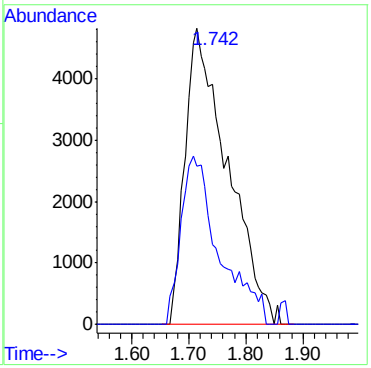
v140107w.m Mon Jan 13 10:09:19 2014 Page: 2

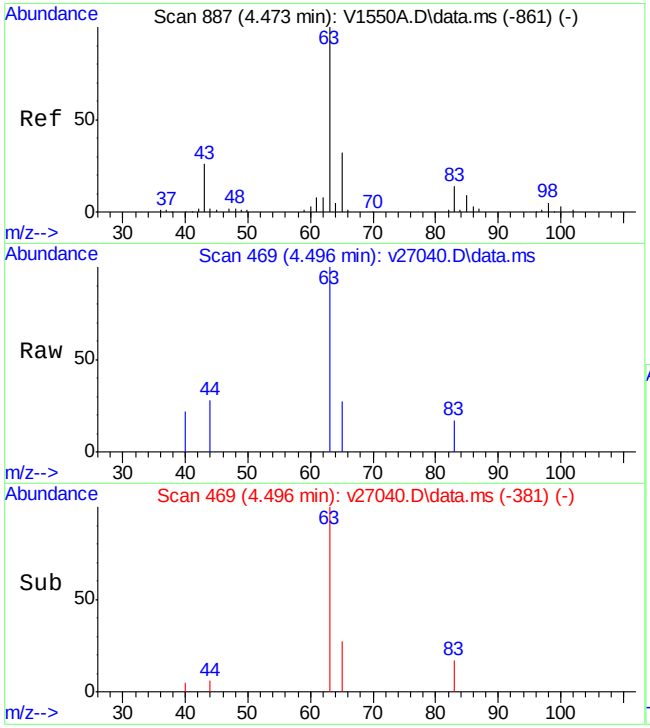


#7
vinyl chloride
Concen: 2.98 ug/L
RT: 1.742 min Scan# 60
Delta R.T. -0.013 min
Lab File: v27040.D
Acq: 10 Jan 2014 4:49 pm

Tgt Ion: 62 Resp: 24977

Ion	Ratio	Lower	Upper
62	100		
64	33.2	2.2	62.2

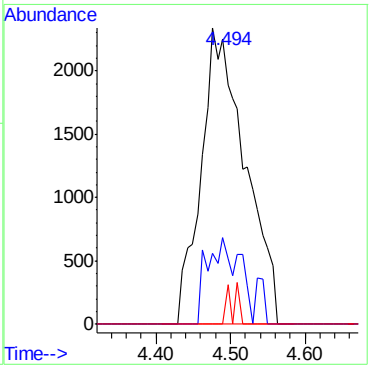


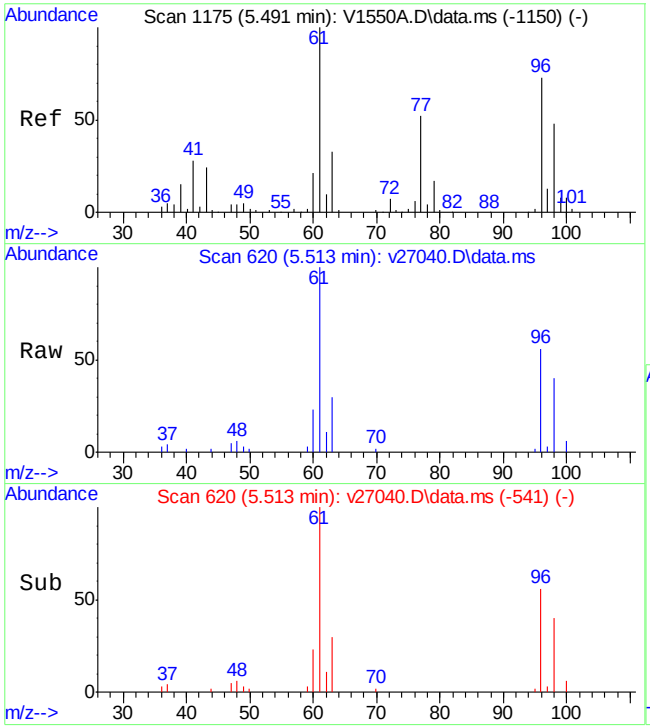


#32
1,1-dichloroethane
Concen: 1.10 ug/L
RT: 4.494 min Scan# 469
Delta R.T. -0.002 min
Lab File: v27040.D
Acq: 10 Jan 2014 4:49 pm

Tgt Ion: 63 Resp: 9623

Ion	Ratio	Lower	Upper
63	100		
65	27.1	1.2	61.2
83	16.6	0.0	44.0

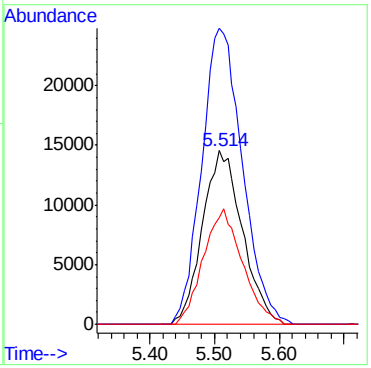


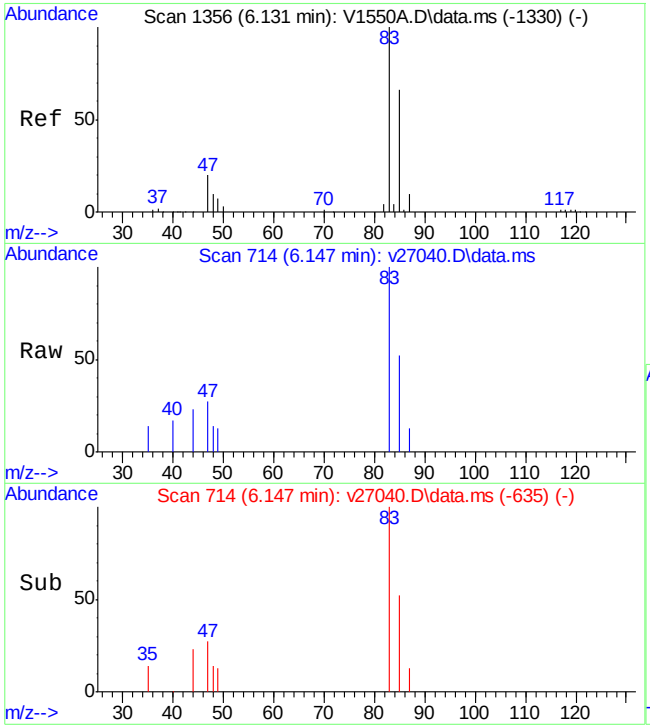


#36
cis-1,2-dichloroethene
Concen: 14.86 ug/L
RT: 5.514 min Scan# 620
Delta R.T. 0.005 min
Lab File: v27040.D
Acq: 10 Jan 2014 4:49 pm

Tgt Ion: 96 Resp: 62293

Ion	Ratio	Lower	Upper
96	100		
61	178.9	112.2	172.2#
98	71.0	33.6	93.6

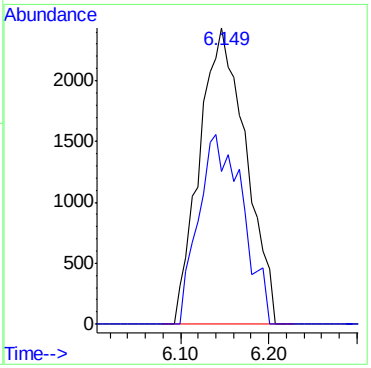


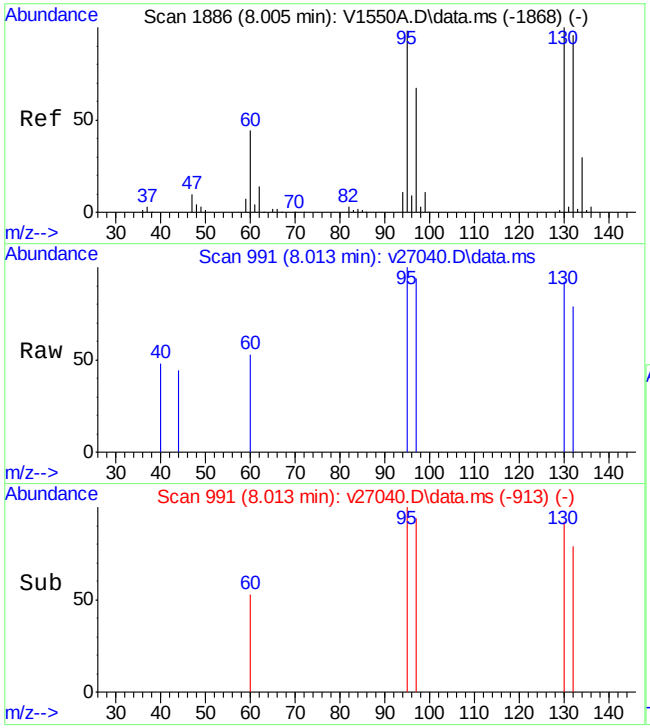


#39
chloroform
Concen: 0.96 ug/L
RT: 6.149 min Scan# 714
Delta R.T. 0.005 min
Lab File: v27040.D
Acq: 10 Jan 2014 4:49 pm

Tgt Ion: 83 Resp: 8848

Ion	Ratio	Lower	Upper
83	100		
85	51.6	35.4	95.4

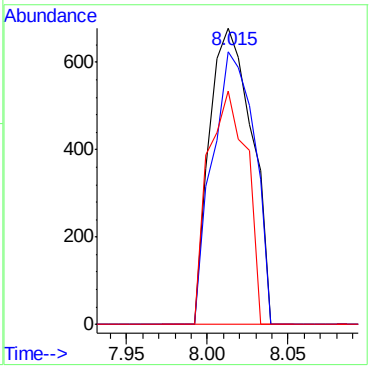


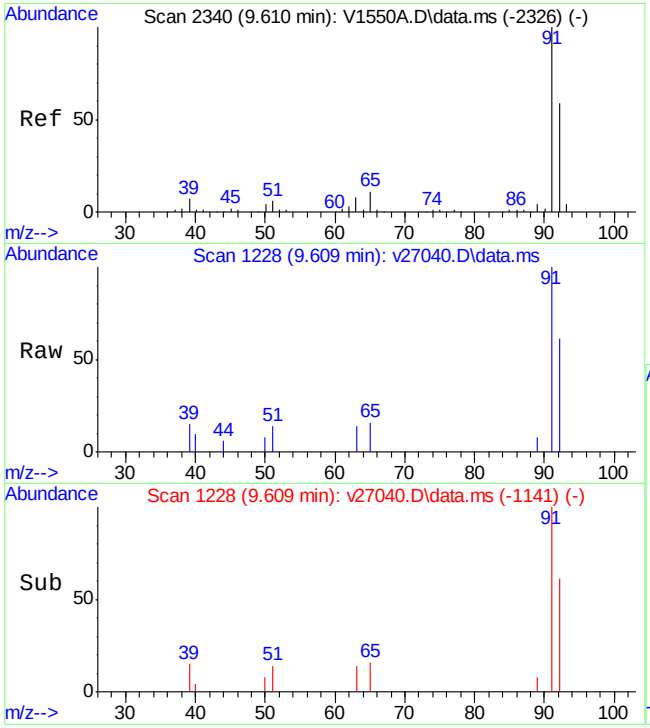


#51
trichloroethene
Concen: 0.28 ug/L
RT: 8.015 min Scan# 991
Delta R.T. 0.008 min
Lab File: v27040.D
Acq: 10 Jan 2014 4:49 pm

Tgt Ion: 95 Resp: 1239

Ion	Ratio	Lower	Upper
95	100		
130	92.0	74.4	134.4
132	78.8	69.6	129.6

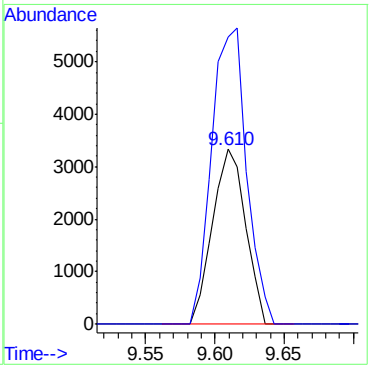




#62
toluene
Concen: 0.62 ug/L
RT: 9.610 min Scan# 1228
Delta R.T. 0.006 min
Lab File: v27040.D
Acq: 10 Jan 2014 4:49 pm

Tgt Ion: 92 Resp: 5555

Ion	Ratio	Lower	Upper
92	100		
91	164.1	141.2	201.2



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27040.D
Acq On : 10 Jan 2014 4:49 pm
Operator : amym
Sample : mc27516-2
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\v140107w.m
Title : SW-846 Method 8260

Signal : TIC: v27040.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.179	113	125	141	rVB9	7086	40068	2.05%	0.345%
2	2.758	225	211	303	rVB	1604	3933	0.20%	0.034%
3	3.497	303	321	365	rVB3	52195	312313	15.94%	2.685%
4	4.504	459	470	489	rVB2	3497	17106	0.87%	0.147%
5	4.679	489	496	503	rBV2	551	2131	0.11%	0.018%
6	5.131	559	563	567	rVB	664	1227	0.06%	0.011%
7	5.520	597	621	689	rVB2	73888	331730	16.94%	2.852%
8	6.039	689	698	705	rVV2	713	2591	0.13%	0.022%
9	6.154	705	715	733	rVB3	6318	22370	1.14%	0.192%
10	6.418	739	754	763	rBV2	228765	830795	42.42%	7.144%
11	6.537	763	772	795	rVB	396410	1331491	67.98%	11.449%
12	6.883	817	823	829	rBV2	552	1708	0.09%	0.015%
13	6.973	829	837	845	rVB3	1211	4361	0.22%	0.037%
14	7.165	851	865	877	rBV2	544	2867	0.15%	0.025%
15	7.341	887	891	895	rBV2	933	2281	0.12%	0.020%
16	7.722	935	948	969	rVB	650214	1506484	76.91%	12.954%
17	7.919	969	977	985	rBV	977	4220	0.22%	0.036%
18	8.016	985	992	999	rVB2	3134	6179	0.32%	0.053%
19	8.189	1007	1017	1027	rBV2	509	1955	0.10%	0.017%
20	8.327	1027	1038	1053	rVB4	3194	9804	0.50%	0.084%
21	8.611	1053	1080	1101	rBV2	1430	7806	0.40%	0.067%
22	8.827	1101	1112	1123	rVB2	687	3161	0.16%	0.027%
23	8.953	1123	1131	1139	rBV	695	2734	0.14%	0.024%
24	9.056	1139	1146	1153	rVB2	740	2280	0.12%	0.020%
25	9.343	1175	1189	1203	rBV2	713	4873	0.25%	0.042%
26	9.535	1203	1217	1225	rVV	1153327	1864402	95.19%	16.031%
27	9.626	1225	1231	1257	rVB2	13560	27144	1.39%	0.233%
28	9.854	1257	1264	1273	rVB2	582	2729	0.14%	0.023%
29	10.014	1273	1288	1305	rBV2	627	5580	0.28%	0.048%
30	10.166	1307	1311	1315	rVB2	531	1261	0.06%	0.011%
31	10.291	1325	1329	1335	rVB2	647	1461	0.07%	0.013%
32	10.774	1379	1401	1423	rBV2	745	8321	0.42%	0.072%
33	10.969	1423	1430	1435	rBV2	718	2024	0.10%	0.017%
34	11.064	1435	1444	1475	rVV	1200792	1749750	89.33%	15.045%

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27040.D
Acq On : 10 Jan 2014 4:49 pm
Operator : amym
Sample : mc27516-2
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\v140107w.m
Title : SW-846 Method 8260

35	11.377	1475	1490	1531	rVV2	6438	15292	0.78%	0.131%
36	11.854	1531	1561	1607	rVV2	1928	9277	0.47%	0.080%
37	12.213	1607	1615	1645	rVB	1099368	1503796	76.78%	12.931%
38	12.527	1655	1661	1667	rBV2	1583	3063	0.16%	0.026%
39	12.630	1667	1676	1691	rVB3	2813	7874	0.40%	0.068%
40	12.817	1691	1704	1719	rBV2	1325	6870	0.35%	0.059%
41	12.999	1719	1731	1765	rBV2	3149	5834	0.30%	0.050%
42	13.277	1765	1773	1865	rVB	1488410	1958690	100.00%	16.842%

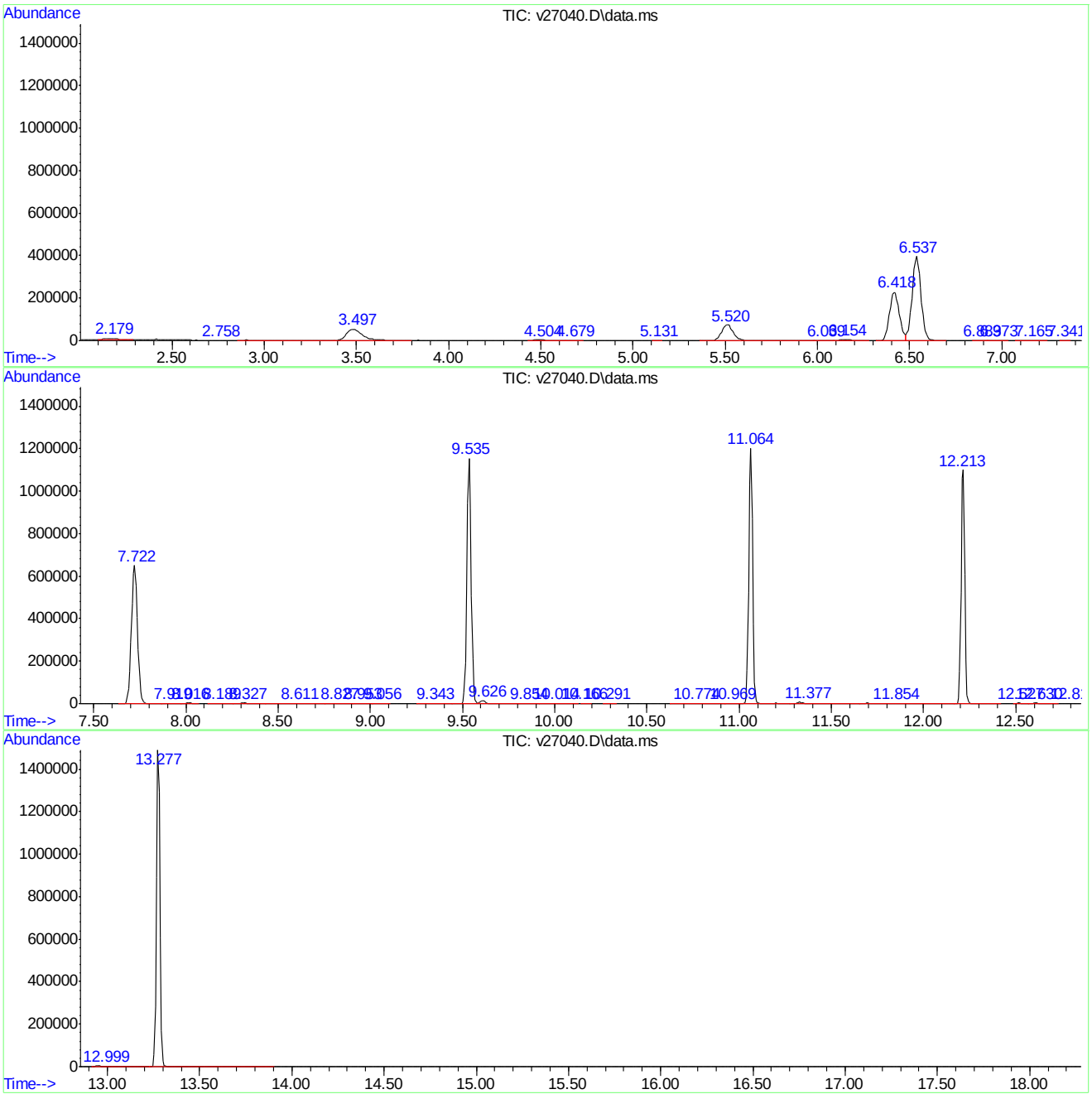
Sum of corrected areas: 11629836

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27040.D
Acq On : 10 Jan 2014 4:49 pm
Operator : amym
Sample : mc27516-2
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27040.D
Acq On : 10 Jan 2014 4:49 pm
Operator : amym
Sample : mc27516-2
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27040.D
Acq On : 10 Jan 2014 4:49 pm
Operator : amym
Sample : mc27516-2
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27041.D
Acq On : 10 Jan 2014 5:15 pm
Operator : amym
Sample : mc27516-3
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 13 10:10:10 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

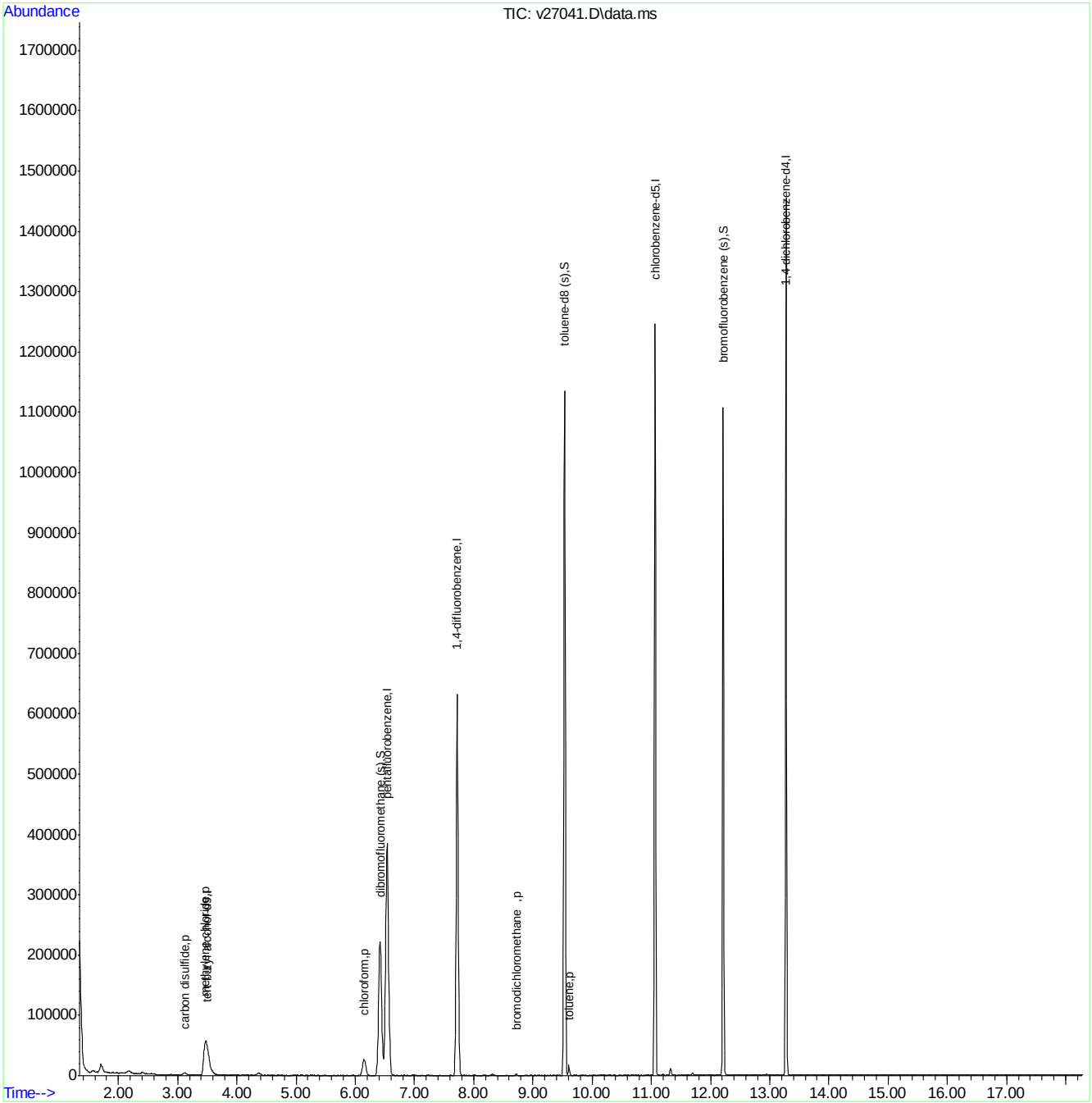
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.499	65	130741	500.00	ug/L	# 0.00
4) pentafluorobenzene	6.540	168	416419	50.00	ug/L	0.00
43) 1,4-difluorobenzene	7.723	114	555412	50.00	ug/L	0.00
66) chlorobenzene-d5	11.063	82	315532	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	13.276	152	299841	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	6.421	113	239699	54.44	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.88%			
60) toluene-d8 (s)	9.535	98	651759	49.89	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.78%			
82) bromofluorobenzene (s)	12.213	95	278460	52.54	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.08%			
Target Compounds						Qvalue
18) methylene chloride	3.463	84	5983	1.29	ug/L	# 56
24) carbon disulfide	3.119	76	11582	0.90	ug/L	75
39) chloroform	6.151	83	43122	4.85	ug/L	93
54) bromodichloromethane	8.718	83	2176	0.34	ug/L	85
62) toluene	9.610	92	6839	0.78	ug/L	89

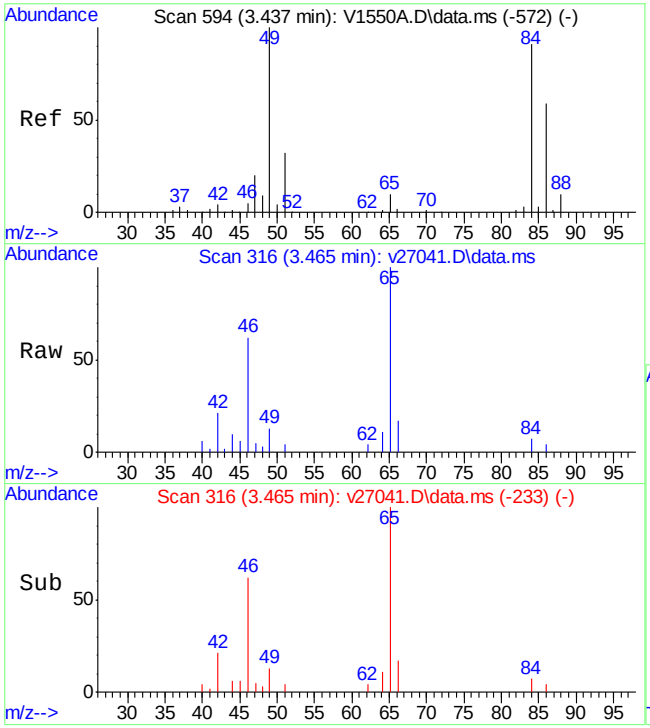
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27041.D
Acq On : 10 Jan 2014 5:15 pm
Operator : amym
Sample : mc27516-3
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 13 10:10:10 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

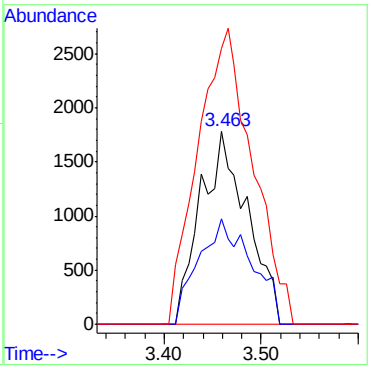


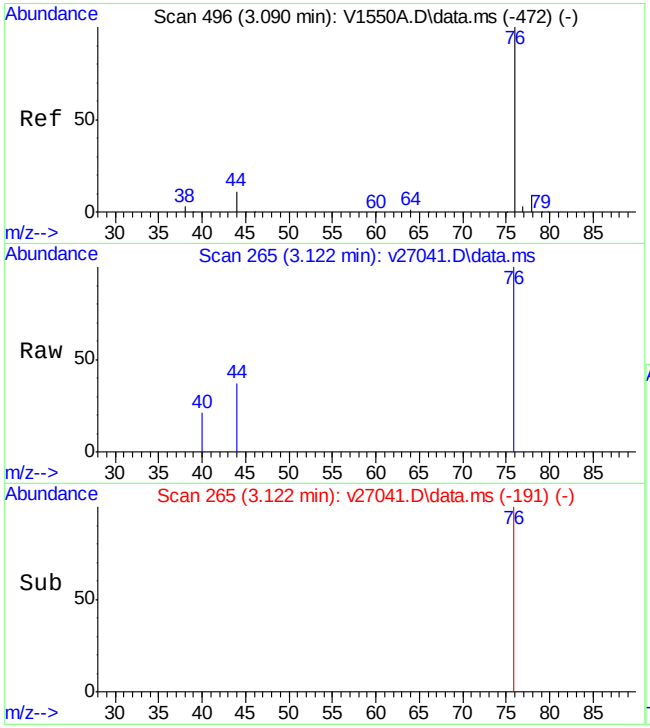


#18
methylene chloride
Concen: 1.29 ug/L
RT: 3.463 min Scan# 316
Delta R.T. -0.006 min
Lab File: v27041.D
Acq: 10 Jan 2014 5:15 pm

Tgt Ion: 84 Resp: 5983

Ion	Ratio	Lower	Upper
84	100		
86	55.0	34.9	94.9
49	189.7	91.3	151.3#

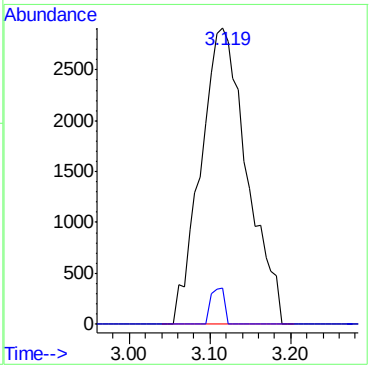


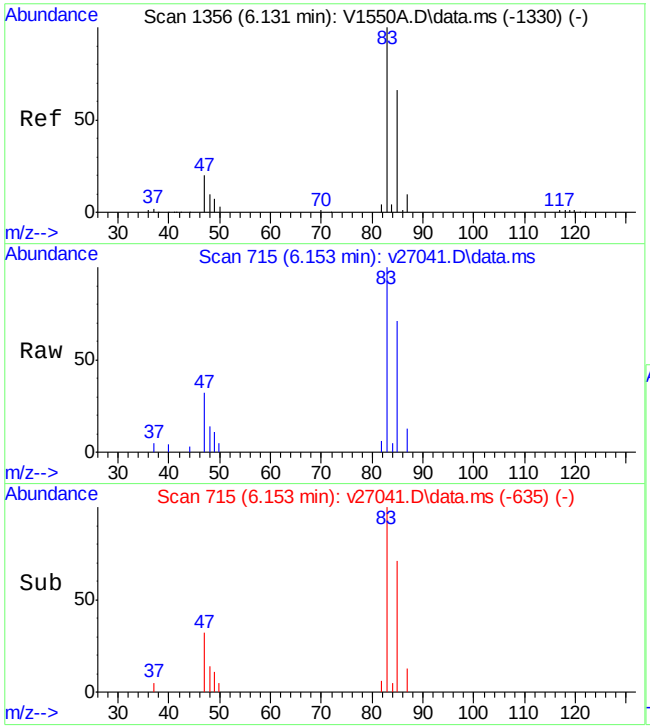


#24
carbon disulfide
Concen: 0.90 ug/L
RT: 3.119 min Scan# 265
Delta R.T. -0.003 min
Lab File: v27041.D
Acq: 10 Jan 2014 5:15 pm

Tgt Ion: 76 Resp: 11582

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	39.2

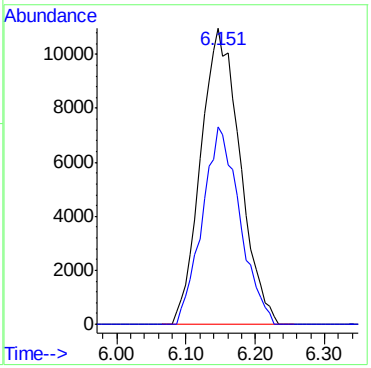


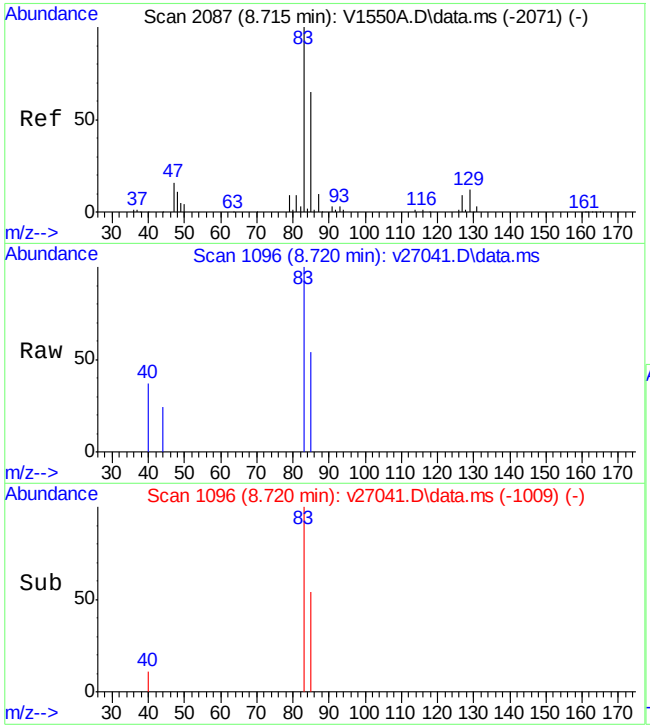


#39
chloroform
Concen: 4.85 ug/L
RT: 6.151 min Scan# 715
Delta R.T. 0.007 min
Lab File: v27041.D
Acq: 10 Jan 2014 5:15 pm

Tgt Ion: 83 Resp: 43122

Ion	Ratio	Lower	Upper
83	100		
85	70.7	35.4	95.4

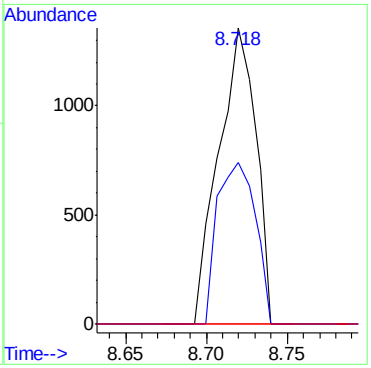


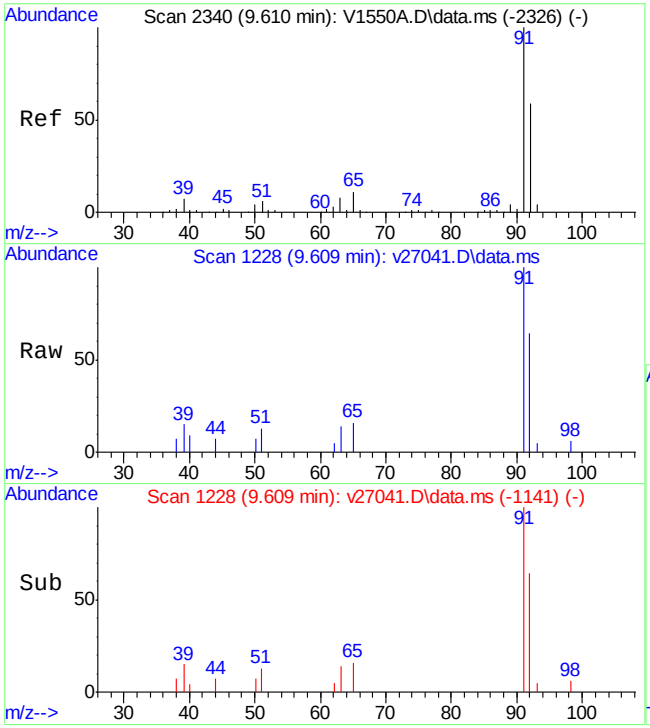


#54
bromodichloromethane
Concen: 0.34 ug/L
RT: 8.718 min Scan# 1096
Delta R.T. 0.006 min
Lab File: v27041.D
Acq: 10 Jan 2014 5:15 pm

Tgt Ion: 83 Resp: 2176

Ion	Ratio	Lower	Upper
83	100		
85	54.4	34.7	94.7
127	0.0	0.0	40.4

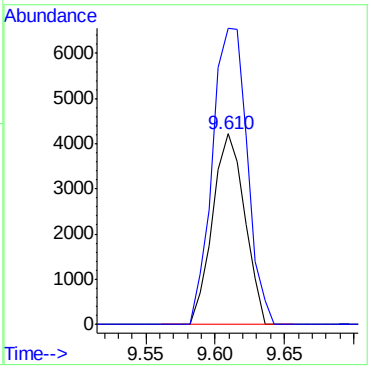




#62
toluene
Concen: 0.78 ug/L
RT: 9.610 min Scan# 1228
Delta R.T. 0.005 min
Lab File: v27041.D
Acq: 10 Jan 2014 5:15 pm

Tgt Ion: 92 Resp: 6839

Ion	Ratio	Lower	Upper
92	100		
91	155.7	141.2	201.2



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27041.D
Acq On : 10 Jan 2014 5:15 pm
Operator : amym
Sample : mc27516-3
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\v140107w.m
Title : SW-846 Method 8260

Signal : TIC: v27041.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.194	117	127	153	rVB7	5088	25520	1.31%	0.223%
2	2.502	153	173	223	rVB4	4696	45231	2.33%	0.396%
3	3.129	253	266	303	rVV	4147	16631	0.86%	0.146%
4	3.507	303	322	403	rVB3	57832	364515	18.76%	3.192%
5	4.449	441	462	517	rVB2	4345	26118	1.34%	0.229%
6	5.526	613	622	633	rVB	981	5178	0.27%	0.045%
7	5.643	633	639	645	rBV2	887	3010	0.15%	0.026%
8	5.851	665	670	677	rVB	449	1250	0.06%	0.011%
9	6.151	699	715	733	rVB2	27554	112389	5.79%	0.984%
10	6.295	733	736	739	rBB2	783	1453	0.07%	0.013%
11	6.420	739	755	763	rBV	222908	822252	42.33%	7.201%
12	6.538	763	772	795	rVB	385064	1298328	66.83%	11.370%
13	6.816	801	813	827	rBV2	595	3411	0.18%	0.030%
14	6.985	827	838	851	rVV2	1403	4341	0.22%	0.038%
15	7.130	851	860	867	rBV2	459	1181	0.06%	0.010%
16	7.228	867	875	883	rVB2	555	1540	0.08%	0.013%
17	7.343	883	892	901	rBV	400	1752	0.09%	0.015%
18	7.575	921	926	931	rBB	869	2301	0.12%	0.020%
19	7.630	931	934	937	rBV	821	1352	0.07%	0.012%
20	7.722	937	948	963	rVV	632705	1485651	76.47%	13.011%
21	8.033	985	994	1005	rVB2	1613	5708	0.29%	0.050%
22	8.143	1005	1010	1015	rBV2	843	2735	0.14%	0.024%
23	8.337	1027	1039	1057	rVB3	2528	7735	0.40%	0.068%
24	8.502	1057	1064	1071	rBV2	491	1398	0.07%	0.012%
25	8.592	1071	1077	1085	rVV2	476	1777	0.09%	0.016%
26	8.725	1089	1097	1107	rVB2	2596	5571	0.29%	0.049%
27	8.979	1127	1134	1141	rVB2	595	1640	0.08%	0.014%
28	9.456	1201	1205	1209	rBV	672	1567	0.08%	0.014%
29	9.535	1209	1217	1225	rVV	1135993	1865048	96.00%	16.333%
30	9.621	1225	1230	1257	rVB2	17254	30494	1.57%	0.267%
31	11.063	1433	1444	1457	rVB	1245814	1754805	90.33%	15.368%
32	11.202	1457	1464	1477	rBV	2619	3447	0.18%	0.030%
33	11.333	1477	1484	1501	rVB	12532	21804	1.12%	0.191%
34	11.549	1501	1516	1529	rVB2	795	5608	0.29%	0.049%

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27041.D
Acq On : 10 Jan 2014 5:15 pm
Operator : amym
Sample : mc27516-3
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\v140107w.m
Title : SW-846 Method 8260

35	11.856	1529	1562	1605	rBV2	4087	20805	1.07%	0.182%
36	12.214	1605	1615	1655	rBV	1108088	1506288	77.54%	13.192%
37	12.527	1655	1661	1669	rBV	1281	1539	0.08%	0.013%
38	13.007	1717	1732	1757	rVB2	1868	6051	0.31%	0.053%
39	13.276	1763	1772	1789	rVV	1454850	1942691	100.00%	17.013%
40	13.586	1793	1818	1847	rVB2	1166	8500	0.44%	0.074%

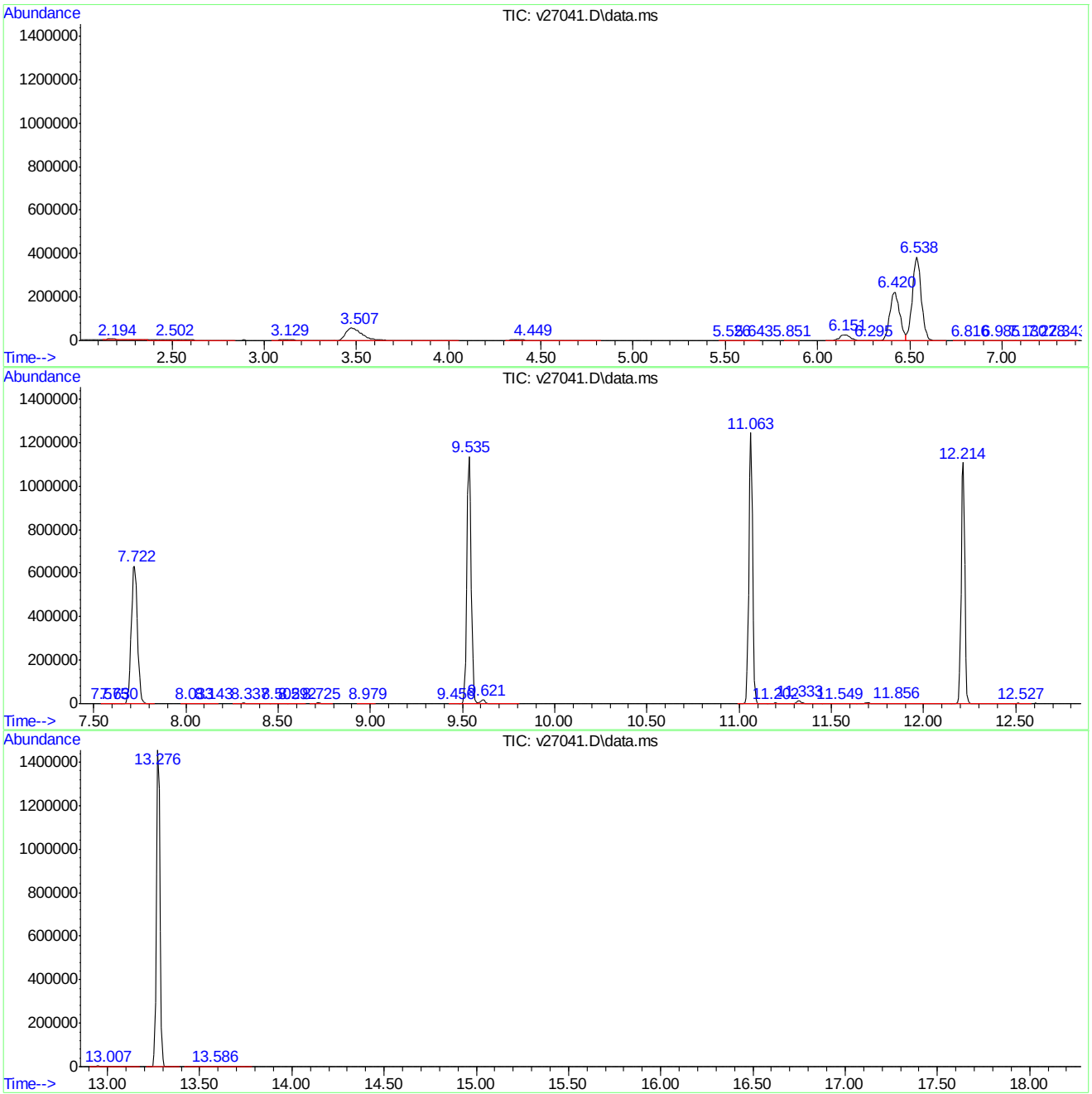
Sum of corrected areas: 11418615

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27041.D
Acq On : 10 Jan 2014 5:15 pm
Operator : amym
Sample : mc27516-3
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27041.D
Acq On : 10 Jan 2014 5:15 pm
Operator : amym
Sample : mc27516-3
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27041.D
Acq On : 10 Jan 2014 5:15 pm
Operator : amym
Sample : mc27516-3
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27042.D
Acq On : 10 Jan 2014 5:41 pm
Operator : amym
Sample : mc27516-4
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 13 10:11:32 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

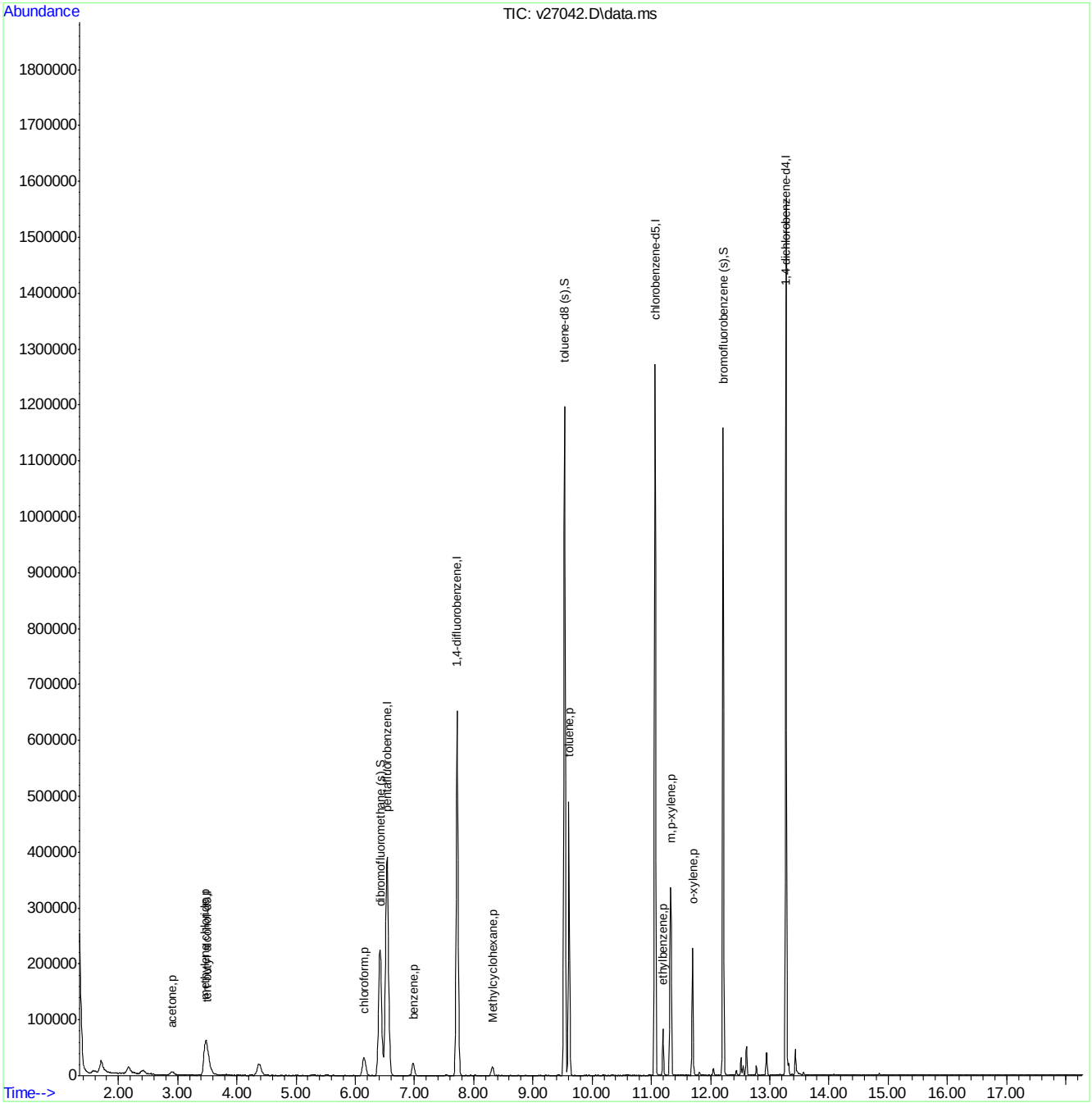
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.501	65	129329	500.00	ug/L	# 0.00
4) pentafluorobenzene	6.539	168	434045	50.00	ug/L	0.00
43) 1,4-difluorobenzene	7.722	114	569618	50.00	ug/L	0.00
66) chlorobenzene-d5	11.063	82	322763	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	13.276	152	320752	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	6.421	113	243459	53.05	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.10%			
60) toluene-d8 (s)	9.536	98	668828	49.92	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.84%			
82) bromofluorobenzene (s)	12.213	95	298463	52.64	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.28%			
Target Compounds						Qvalue
16) acetone	2.908	58	5530	7.63	ug/L	# 73
18) methylene chloride	3.463	84	7811	1.62	ug/L	# 65
39) chloroform	6.151	83	51258	5.53	ug/L	99
47) benzene	6.979	78	29157	1.99	ug/L	94
55) Methylcyclohexane	8.319	83	6434	1.35	ug/L	# 77
62) toluene	9.610	92	174863	19.46	ug/L	100
74) ethylbenzene	11.198	91	47818	2.31	ug/L	97
75) m,p-xylene	11.327	106	90022	16.04	ug/L	82
76) o-xylene	11.696	106	46360	8.80	ug/L	86

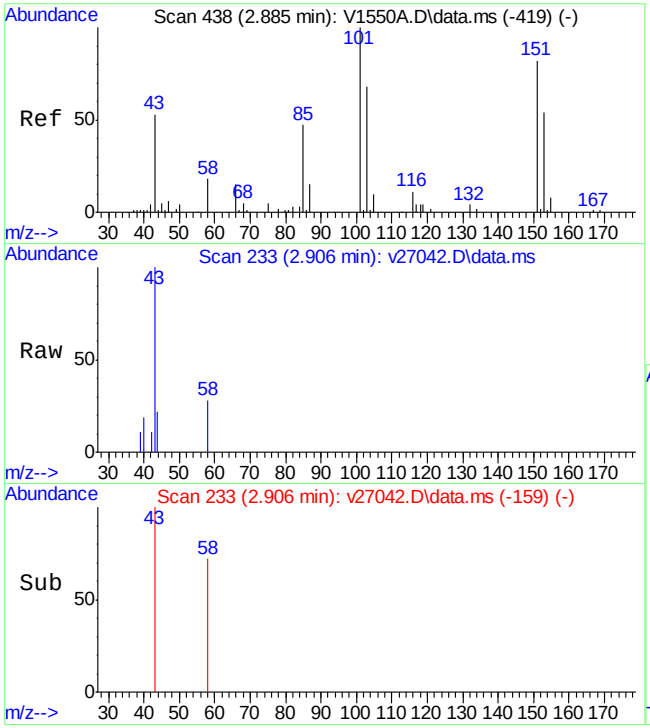
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27042.D
Acq On : 10 Jan 2014 5:41 pm
Operator : amym
Sample : mc27516-4
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 13 10:11:32 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

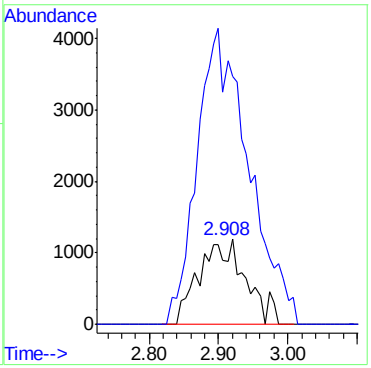


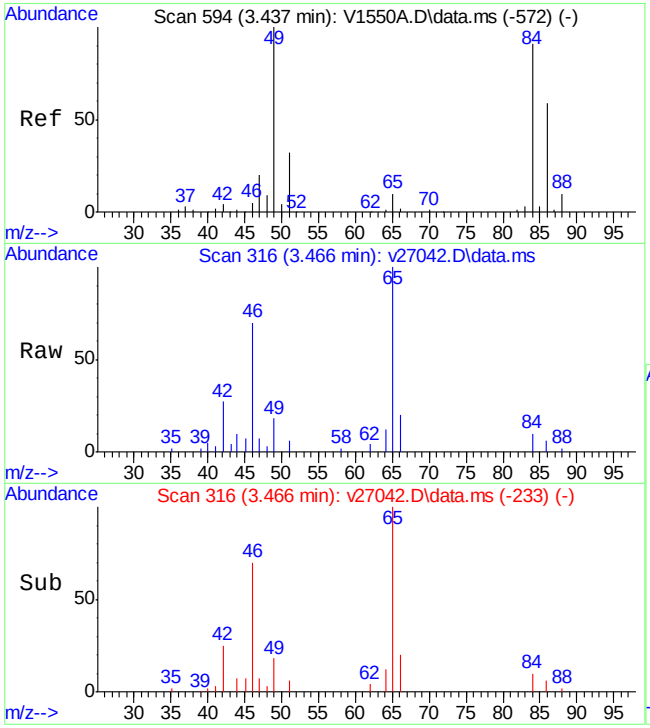


#16
acetone
Concen: 7.63 ug/L
RT: 2.908 min Scan# 233
Delta R.T. -0.003 min
Lab File: v27042.D
Acq: 10 Jan 2014 5:41 pm

Tgt Ion: 58 Resp: 5530

Ion	Ratio	Lower	Upper
58	100		
43	363.3	280.0	340.0#

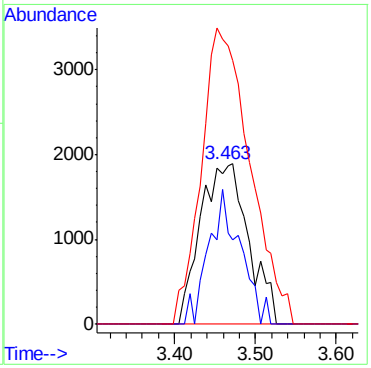


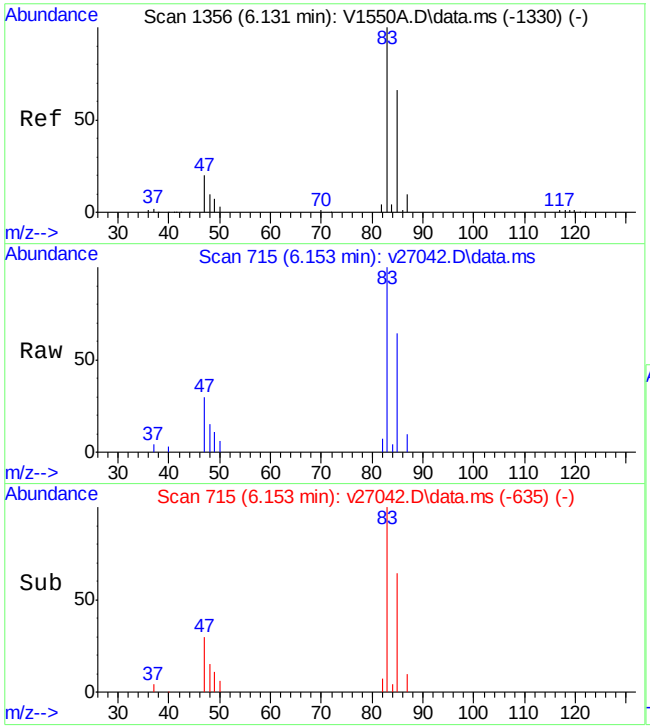


#18
methylene chloride
Concen: 1.62 ug/L
RT: 3.463 min Scan# 316
Delta R.T. -0.006 min
Lab File: v27042.D
Acq: 10 Jan 2014 5:41 pm

Tgt Ion: 84 Resp: 7811

Ion	Ratio	Lower	Upper
84	100		
86	57.3	34.9	94.9
49	175.3	91.3	151.3#

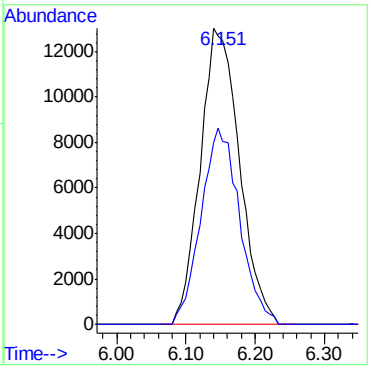


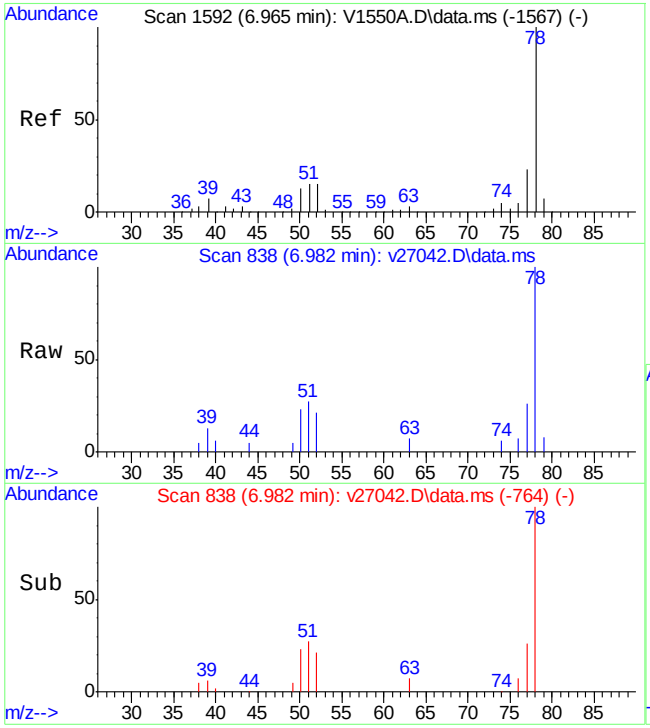


#39
chloroform
Concen: 5.53 ug/L
RT: 6.151 min Scan# 715
Delta R.T. 0.006 min
Lab File: v27042.D
Acq: 10 Jan 2014 5:41 pm

Tgt Ion: 83 Resp: 51258

Ion	Ratio	Lower	Upper
83	100		
85	64.3	35.4	95.4

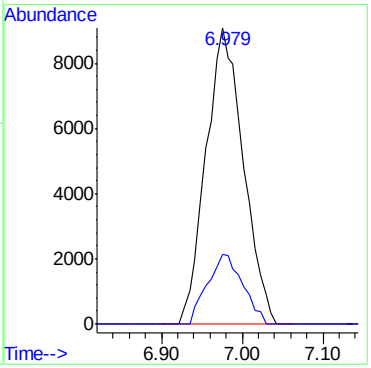


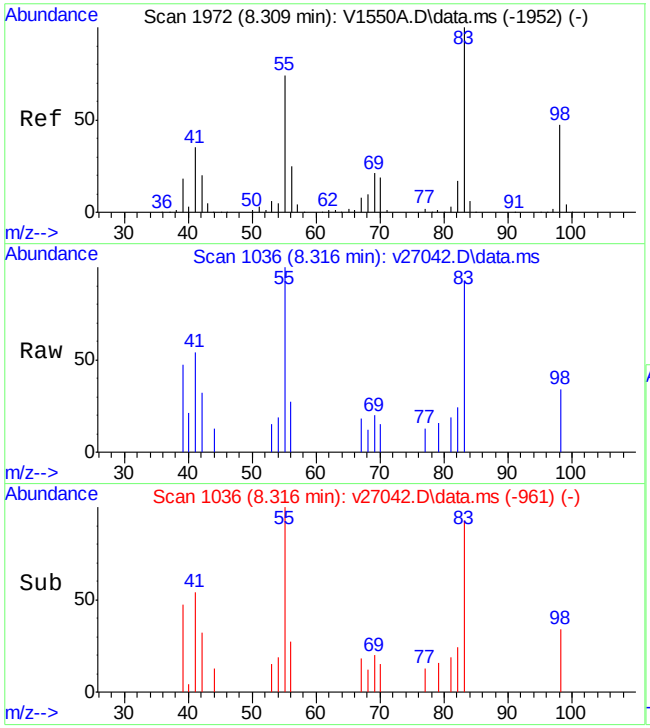


#47
benzene
Concen: 1.99 ug/L
RT: 6.979 min Scan# 838
Delta R.T. 0.006 min
Lab File: v27042.D
Acq: 10 Jan 2014 5:41 pm

Tgt Ion: 78 Resp: 29157

Ion	Ratio	Lower	Upper
78	100		
77	25.9	0.0	53.1

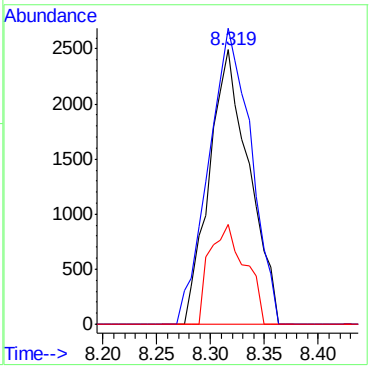


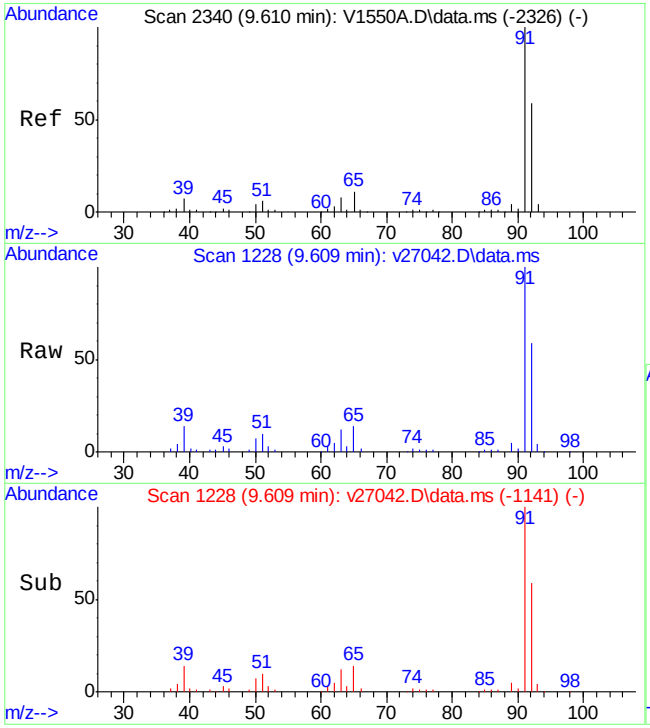


#55
Methylcyclohexane
Concen: 1.35 ug/L
RT: 8.319 min Scan# 1036
Delta R.T. 0.005 min
Lab File: v27042.D
Acq: 10 Jan 2014 5:41 pm

Tgt Ion: 83 Resp: 6434

Ion	Ratio	Lower	Upper
83	100		
55	107.8	65.5	98.3#
98	36.2	34.7	52.1

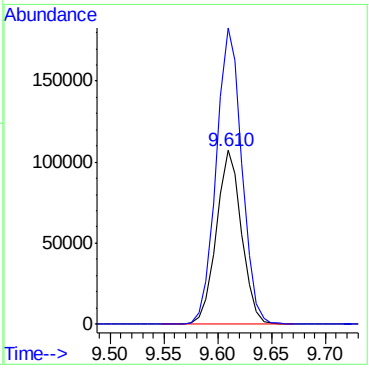


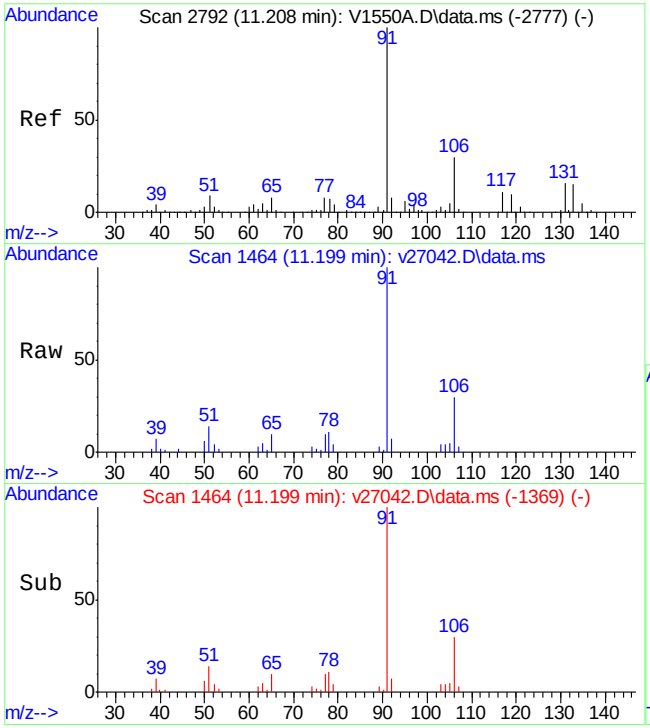


#62
toluene
Concen: 19.46 ug/L
RT: 9.610 min Scan# 1228
Delta R.T. 0.006 min
Lab File: v27042.D
Acq: 10 Jan 2014 5:41 pm

Tgt Ion: 92 Resp: 174863

Ion	Ratio	Lower	Upper
92	100		
91	170.7	141.2	201.2

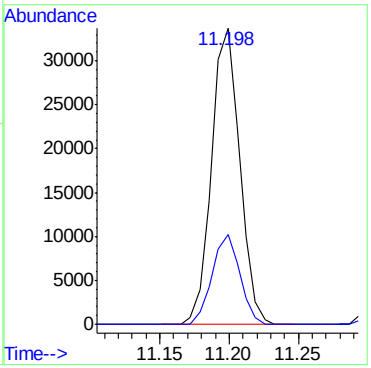


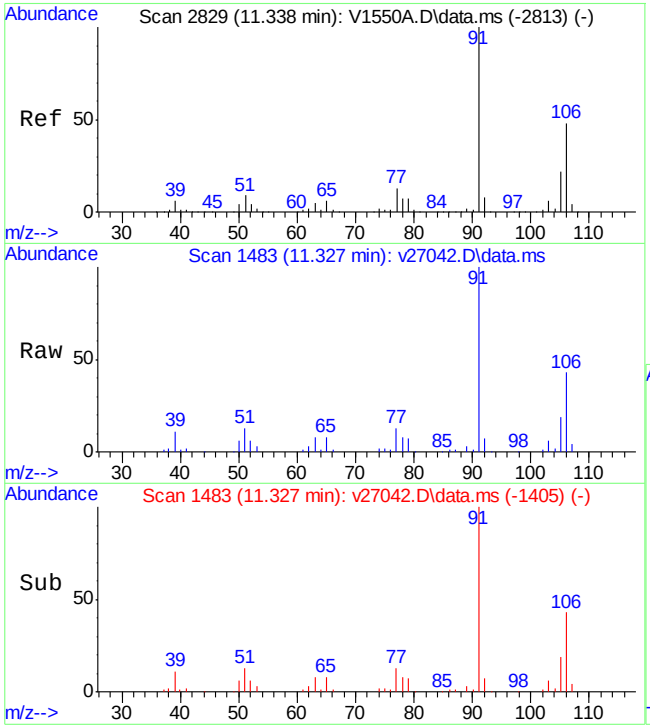


#74
ethylbenzene
Concen: 2.31 ug/L
RT: 11.198 min Scan# 1464
Delta R.T. 0.006 min
Lab File: v27042.D
Acq: 10 Jan 2014 5:41 pm

Tgt Ion: 91 Resp: 47818

Ion	Ratio	Lower	Upper
91	100		
106	30.4	2.1	62.1

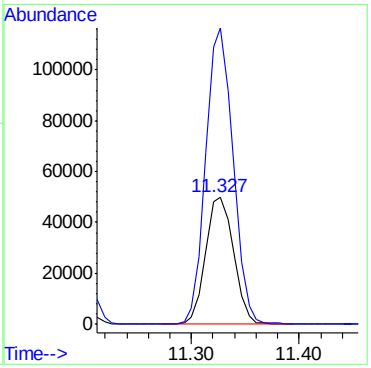


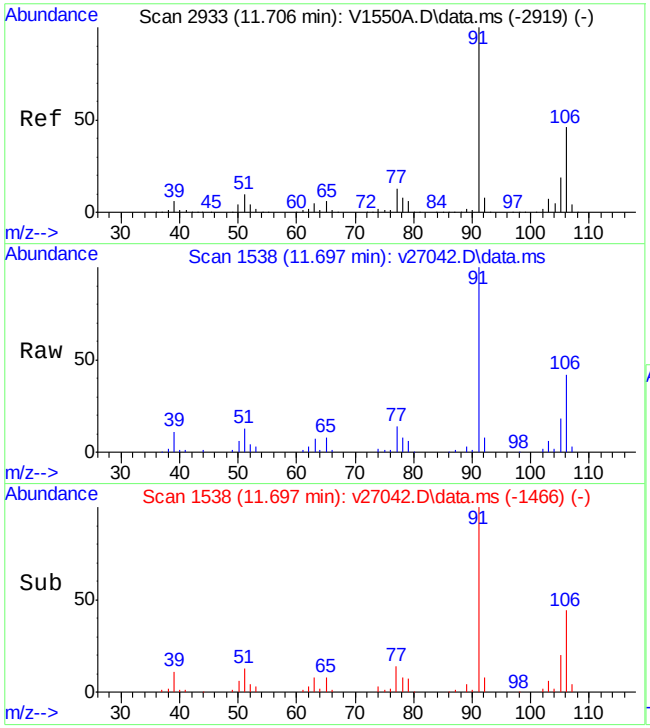


#75
m,p-xylene
Concen: 16.04 ug/L
RT: 11.327 min Scan# 1483
Delta R.T. 0.004 min
Lab File: v27042.D
Acq: 10 Jan 2014 5:41 pm

Tgt Ion:106 Resp: 90022

Ion	Ratio	Lower	Upper
106	100		
91	233.1	175.7	235.7

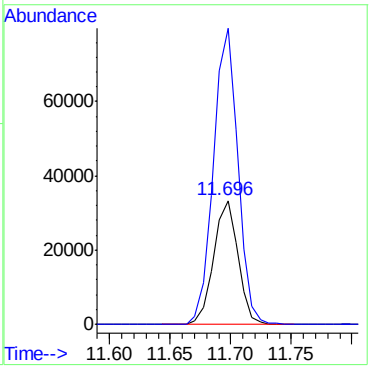




#76
o-xylene
Concen: 8.80 ug/L
RT: 11.696 min Scan# 1538
Delta R.T. 0.006 min
Lab File: v27042.D
Acq: 10 Jan 2014 5:41 pm

Tgt Ion:106 Resp: 46360

Ion	Ratio	Lower	Upper
106	100		
91	239.3	186.5	246.5



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27042.D
Acq On : 10 Jan 2014 5:41 pm
Operator : amym
Sample : mc27516-4
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\v140107w.m
Title : SW-846 Method 8260

Signal : TIC: v27042.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.193	113	127	153	rVV4	11683	57192	2.70%	0.395%
2	2.462	153	167	201	rVB5	8728	59995	2.84%	0.415%
3	2.912	221	234	257	rVB2	6103	32482	1.54%	0.225%
4	3.195	257	276	303	rVV3	813	4830	0.23%	0.033%
5	3.498	303	321	363	rVV3	62924	371484	17.56%	2.568%
6	3.916	363	383	421	rVV3	2013	12912	0.61%	0.089%
7	4.233	421	430	437	rVV3	1832	5123	0.24%	0.035%
8	4.390	437	453	495	rVB5	21093	108124	5.11%	0.747%
9	5.011	539	545	551	rBV2	987	3823	0.18%	0.026%
10	5.127	559	563	567	rVB2	526	1261	0.06%	0.009%
11	5.315	581	591	605	rBV4	1875	8072	0.38%	0.056%
12	5.437	605	609	613	rVB2	770	2011	0.10%	0.014%
13	5.519	613	621	629	rBB4	2461	8613	0.41%	0.060%
14	5.610	629	634	641	rBB2	947	3127	0.15%	0.022%
15	5.685	641	645	649	rBV	861	2170	0.10%	0.015%
16	5.825	661	666	671	rVB	914	2211	0.10%	0.015%
17	5.894	671	677	681	rBV2	889	2287	0.11%	0.016%
18	5.971	681	688	695	rVV2	882	2985	0.14%	0.021%
19	6.043	695	699	703	rVB	840	1921	0.09%	0.013%
20	6.152	703	715	735	rBV2	33465	133383	6.31%	0.922%
21	6.420	739	755	763	rVV	225078	843885	39.89%	5.834%
22	6.537	763	772	795	rVV	391748	1358560	64.22%	9.392%
23	6.729	797	800	805	rVB	415	1014	0.05%	0.007%
24	6.841	813	817	821	rBV	813	1985	0.09%	0.014%
25	6.977	821	837	853	rVB2	22611	74826	3.54%	0.517%
26	7.136	855	861	865	rBV2	849	2386	0.11%	0.016%
27	7.456	905	908	913	rVB2	735	1854	0.09%	0.013%
28	7.560	913	924	935	rBV2	1337	6775	0.32%	0.047%
29	7.721	935	948	963	rVV	652018	1515019	71.62%	10.474%
30	7.868	963	970	979	rVV2	535	2225	0.11%	0.015%
31	8.023	989	993	999	rVB2	959	1752	0.08%	0.012%
32	8.146	1001	1011	1021	rVB2	563	3319	0.16%	0.023%
33	8.317	1027	1036	1047	rBV6	15623	41825	1.98%	0.289%
34	8.566	1055	1073	1093	rVB2	965	10385	0.49%	0.072%

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27042.D
Acq On : 10 Jan 2014 5:41 pm
Operator : amym
Sample : mc27516-4
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\v140107w.m
Title : SW-846 Method 8260

35	8.783	1095	1105	1115	rVV2	621	3141	0.15%	0.022%
36	9.098	1149	1152	1155	rBV	922	1634	0.08%	0.011%
37	9.220	1165	1170	1175	rVB2	883	1951	0.09%	0.013%
38	9.335	1183	1187	1191	rVB	506	1028	0.05%	0.007%
39	9.423	1191	1200	1209	rBV2	1021	3988	0.19%	0.028%
40	9.535	1209	1217	1223	rVV	1197194	1907485	90.17%	13.187%
41	9.610	1223	1228	1239	rVB	490206	807111	38.15%	5.580%
42	9.723	1239	1245	1251	rBV2	665	2130	0.10%	0.015%
43	10.340	1331	1336	1341	rBV2	873	1943	0.09%	0.013%
44	10.977	1425	1431	1435	rBV2	1326	2606	0.12%	0.018%
45	11.063	1435	1444	1457	rVV	1272066	1807729	85.46%	12.497%
46	11.198	1457	1464	1475	rVV	83812	119158	5.63%	0.824%
47	11.329	1475	1483	1531	rVV	336701	612959	28.98%	4.238%
48	11.696	1531	1538	1547	rVV	227583	326905	15.45%	2.260%
49	11.835	1551	1558	1575	rVB3	5419	11489	0.54%	0.079%
50	12.053	1583	1591	1605	rBV	12948	19614	0.93%	0.136%
51	12.213	1605	1615	1641	rVV	1158643	1623511	76.75%	11.224%
52	12.436	1641	1648	1653	rVV	8482	10994	0.52%	0.076%
53	12.529	1653	1661	1669	rVV	31670	65156	3.08%	0.450%
54	12.608	1669	1673	1691	rVV	51495	71336	3.37%	0.493%
55	12.778	1691	1698	1717	rVV	17785	24075	1.14%	0.166%
56	12.947	1717	1723	1731	rVB	40120	57864	2.74%	0.400%
57	13.020	1731	1734	1737	rBV2	1724	2986	0.14%	0.021%
58	13.174	1751	1757	1763	rBV	2458	2634	0.12%	0.018%
59	13.276	1763	1772	1783	rVB	1569482	2115377	100.00%	14.624%
60	13.443	1789	1797	1813	rVB2	46427	81320	3.84%	0.562%
61	13.621	1813	1824	1851	rVB3	5048	11489	0.54%	0.079%
62	14.036	1863	1885	1915	rBV2	1824	5710	0.27%	0.039%
63	14.463	1915	1949	2001	rVV2	1209	7582	0.36%	0.052%
64	16.273	2001	2217	2399	rVB2	3622	64076	3.03%	0.443%

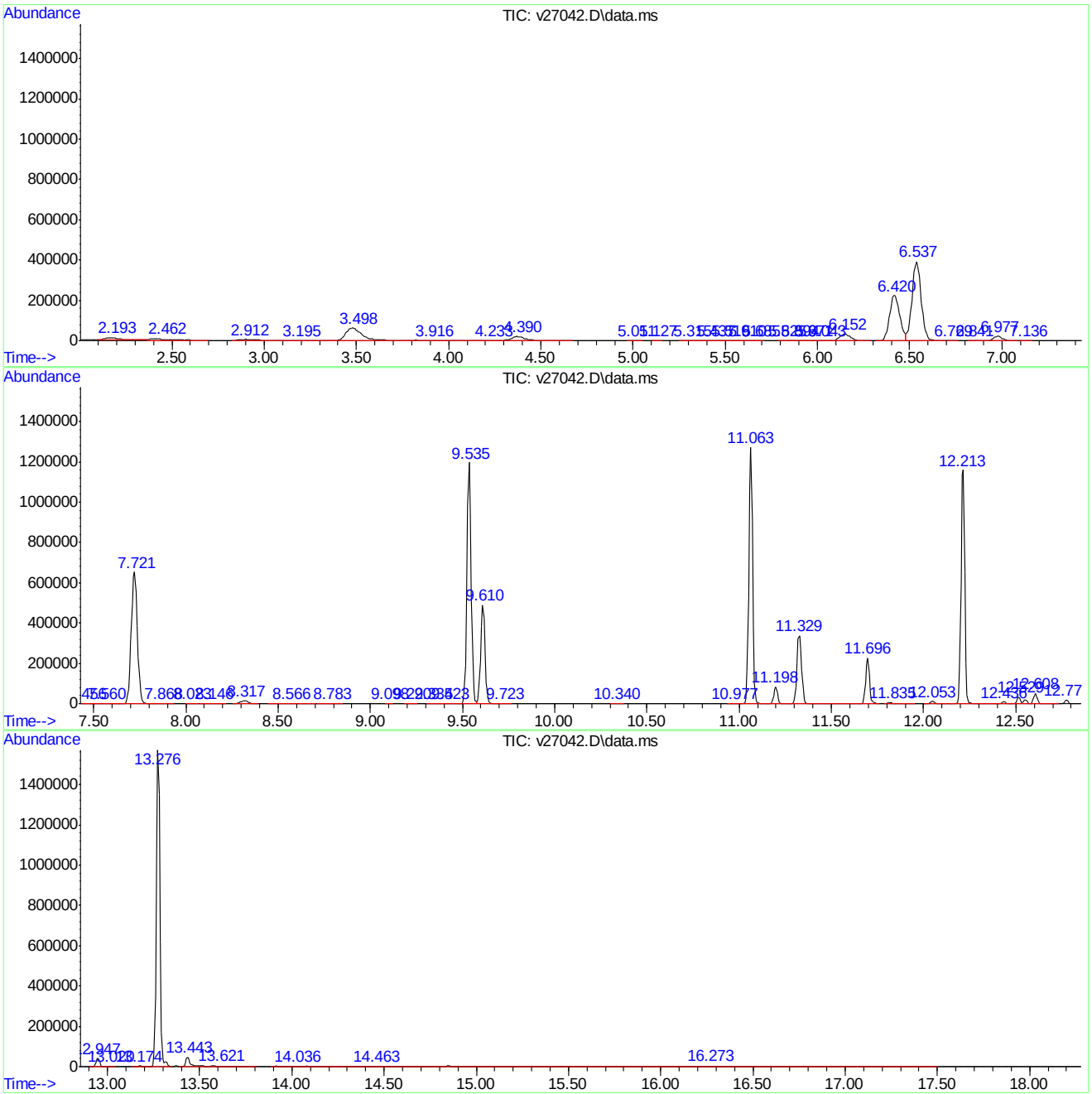
Sum of corrected areas: 14464797

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27042.D
Acq On : 10 Jan 2014 5:41 pm
Operator : amym
Sample : mc27516-4
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27042.D
Acq On : 10 Jan 2014 5:41 pm
Operator : amym
Sample : mc27516-4
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260

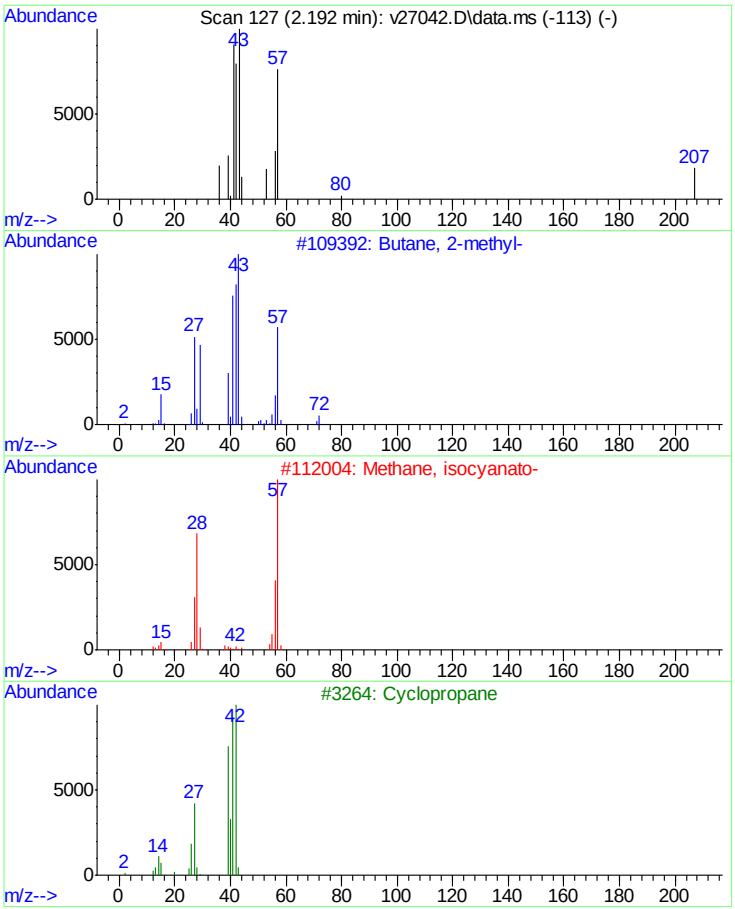
TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P

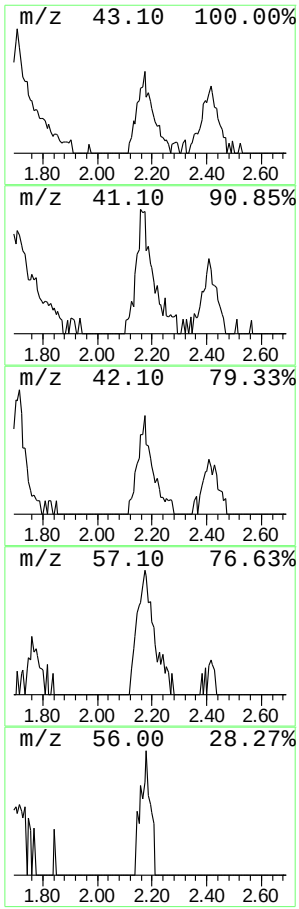
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.193	2.10 ug/L	57192	pentafluorobenzene	7.000

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	9
2	Methane, isocyanato-	57	C2H3NO	000624-83-9	4
3	Cyclopropane	42	C3H6	000075-19-4	4
4	Azetidine	57	C3H7N	000503-29-7	4
5	Methane, isocyanato-	57	C2H3NO	000624-83-9	4





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27042.D
Acq On : 10 Jan 2014 5:41 pm
Operator : amym
Sample : mc27516-4
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260

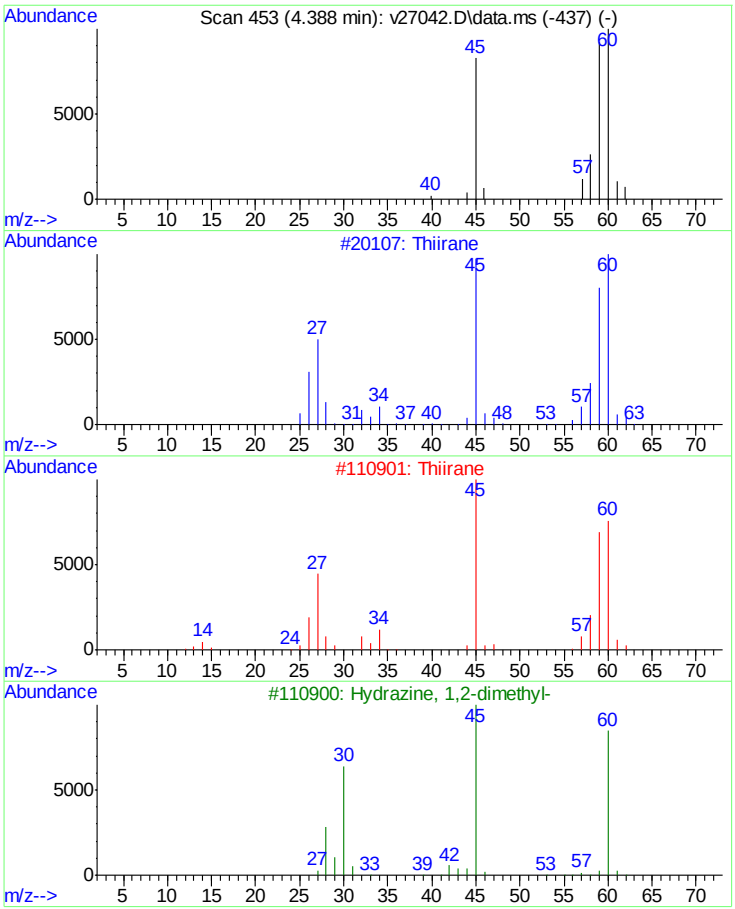
TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P

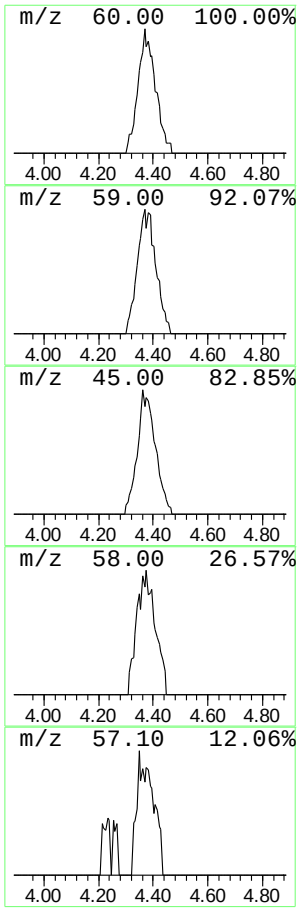
****

Peak Number 3 Thiirane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.390	3.98 ug/L	108124	pentafluorobenzene	7.000

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiirane	60	C2H4S	000420-12-2	87
2	Thiirane	60	C2H4S	000420-12-2	78
3	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	9
4	Silane, dimethyl-	60	C2H8Si	001111-74-6	9
5	Silane, dimethyl-	60	C2H8Si	001111-74-6	9





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27042.D
Acq On : 10 Jan 2014 5:41 pm
Operator : amym
Sample : mc27516-4
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	2.193	2.1	ug/L	57192	2	7.000	1358560	50.0
Thiirane	4.390	4.0	ug/L	108124	2	7.000	1358560	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27043.D
Acq On : 10 Jan 2014 6:08 pm
Operator : amym
Sample : mc27516-5
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jan 13 10:12:37 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

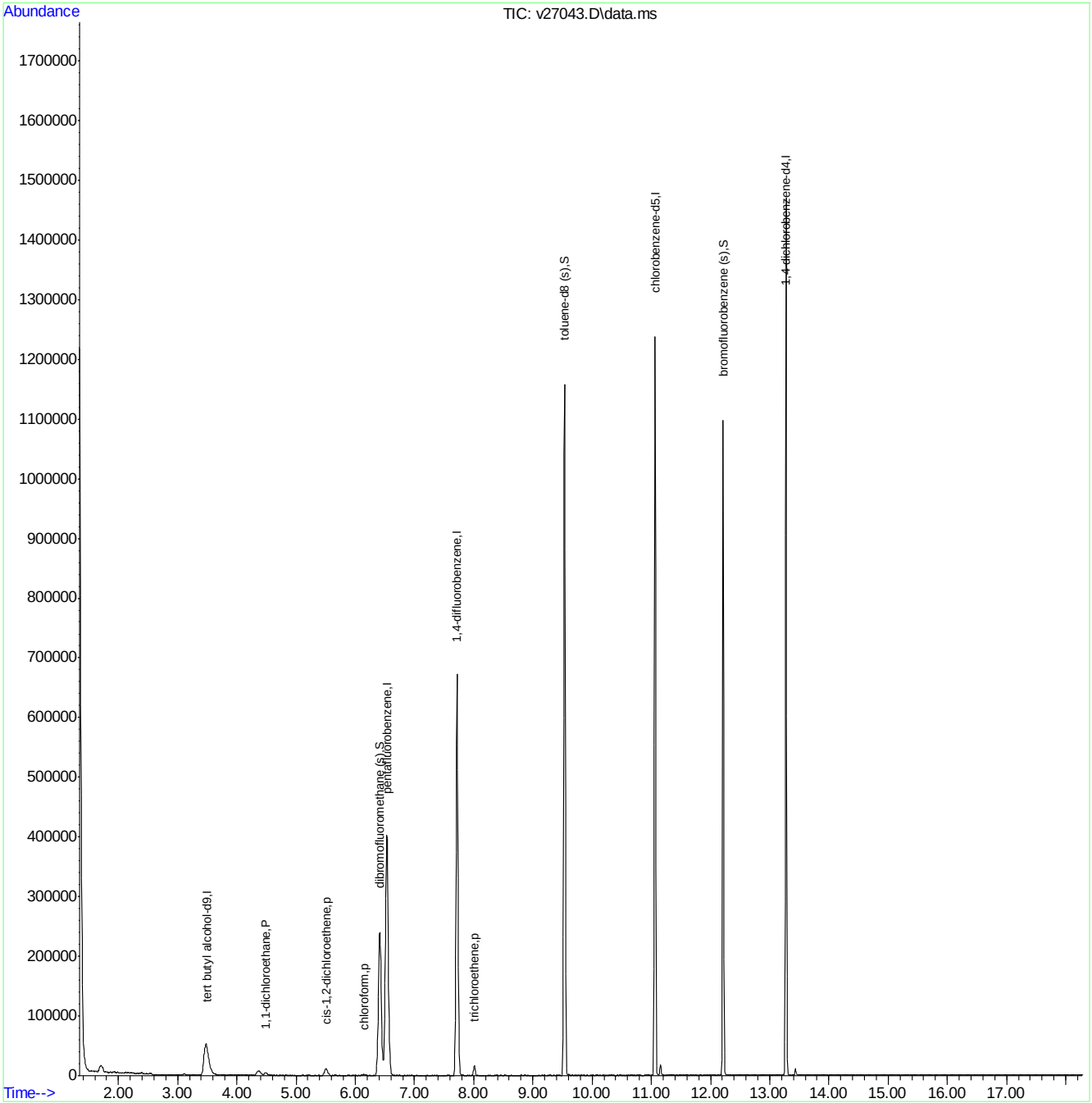
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.494	65	124740	500.00	ug/L	# 0.00
4) pentafluorobenzene	6.536	168	428115	50.00	ug/L	0.00
43) 1,4-difluorobenzene	7.720	114	571808	50.00	ug/L	0.00
66) chlorobenzene-d5	11.063	82	319460	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	13.276	152	300665	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	6.416	113	244473	54.01	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.02%			
60) toluene-d8 (s)	9.534	98	659968	49.07	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.14%			
82) bromofluorobenzene (s)	12.213	95	277937	52.30	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.60%			
Target Compounds						Qvalue
32) 1,1-dichloroethane	4.492	63	11246	1.29	ug/L	95
36) cis-1,2-dichloroethene	5.509	96	9529	2.28	ug/L #	77
39) chloroform	6.143	83	3000	0.33	ug/L	81
51) trichloroethene	8.011	95	6963	1.57	ug/L	86

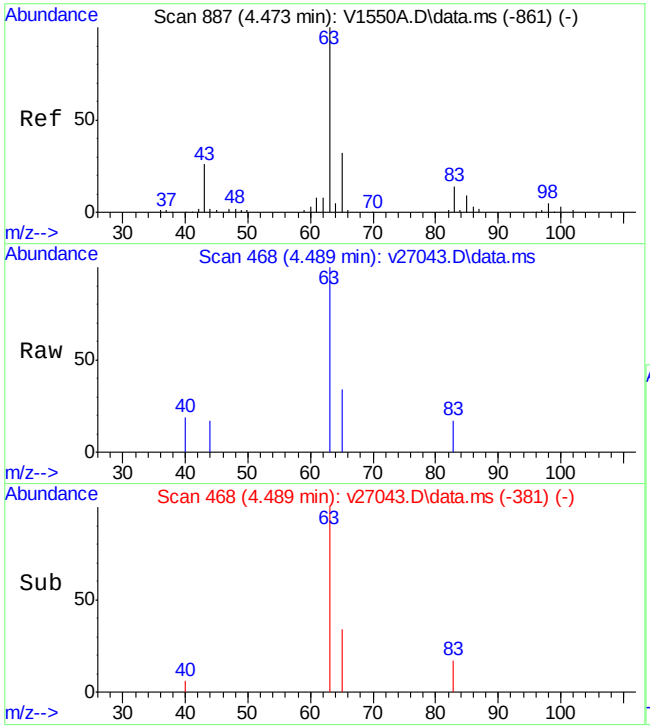
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27043.D
Acq On : 10 Jan 2014 6:08 pm
Operator : amym
Sample : mc27516-5
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jan 13 10:12:37 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

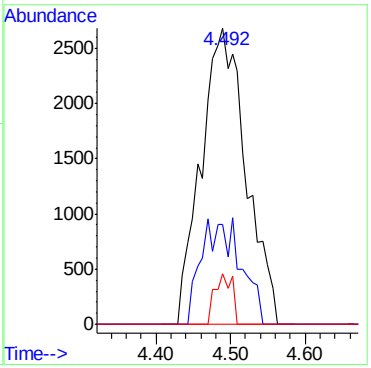


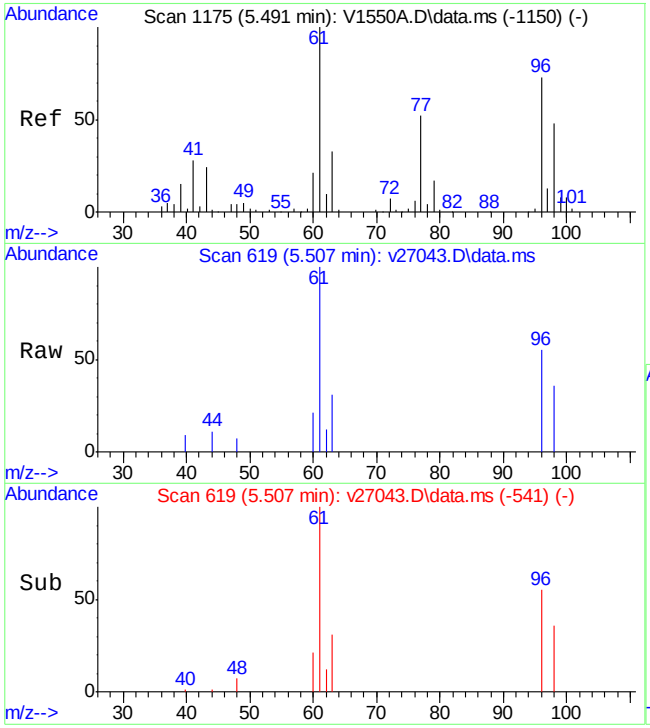


#32
1,1-dichloroethane
Concen: 1.29 ug/L
RT: 4.492 min Scan# 468
Delta R.T. -0.004 min
Lab File: v27043.D
Acq: 10 Jan 2014 6:08 pm

Tgt Ion: 63 Resp: 11246

Ion	Ratio	Lower	Upper
63	100		
65	33.6	1.2	61.2
83	17.0	0.0	44.0

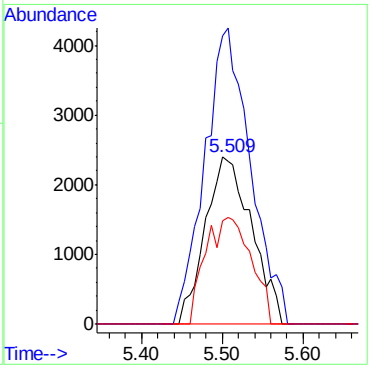


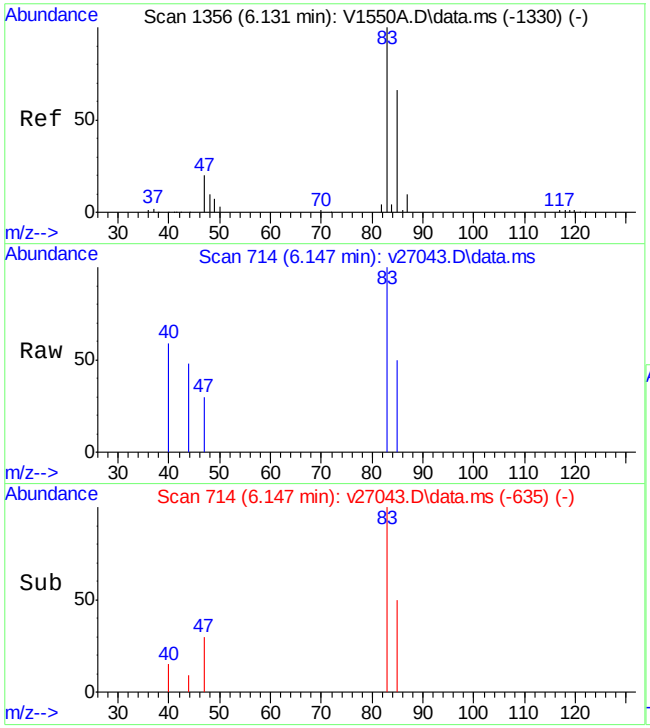


#36
cis-1,2-dichloroethene
Concen: 2.28 ug/L
RT: 5.509 min Scan# 619
Delta R.T. 0.000 min
Lab File: v27043.D
Acq: 10 Jan 2014 6:08 pm

Tgt Ion: 96 Resp: 9529

Ion	Ratio	Lower	Upper
96	100		
61	181.6	112.2	172.2#
98	65.3	33.6	93.6

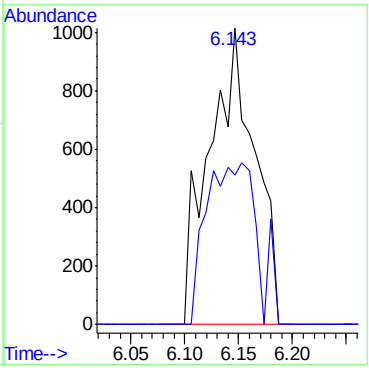


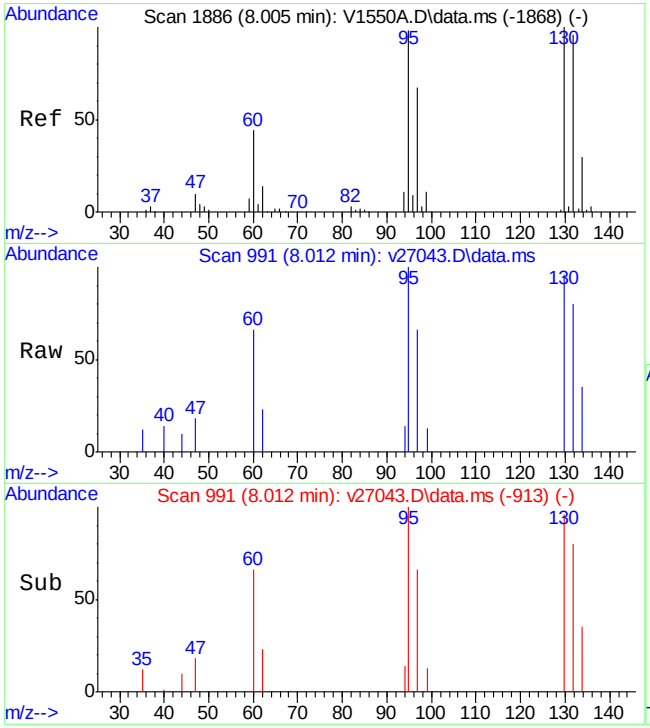


#39
chloroform
Concen: 0.33 ug/L
RT: 6.143 min Scan# 714
Delta R.T. -0.001 min
Lab File: v27043.D
Acq: 10 Jan 2014 6:08 pm

Tgt Ion: 83 Resp: 3000

Ion	Ratio	Lower	Upper
83	100		
85	50.5	35.4	95.4

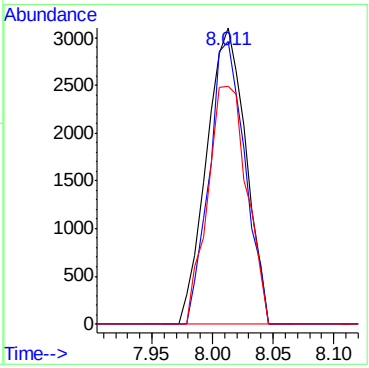




#51
trichloroethene
Concen: 1.57 ug/L
RT: 8.011 min Scan# 991
Delta R.T. 0.003 min
Lab File: v27043.D
Acq: 10 Jan 2014 6:08 pm

Tgt Ion: 95 Resp: 6963

Ion	Ratio	Lower	Upper
95	100		
130	95.6	74.4	134.4
132	80.2	69.6	129.6



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27043.D
Acq On : 10 Jan 2014 6:08 pm
Operator : amym
Sample : mc27516-5
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\v140107w.m
Title : SW-846 Method 8260

Signal : TIC: v27043.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.157	255	270	301	rBV2	1983	10864	0.56%	0.095%
2	3.512	301	323	437	rVV3	52918	315743	16.21%	2.767%
3	4.370	437	450	461	rVV3	7936	36958	1.90%	0.324%
4	4.566	461	479	531	rVB2	4569	26349	1.35%	0.231%
5	5.383	595	601	605	rBV2	734	1210	0.06%	0.011%
6	5.513	605	620	643	rVB3	11625	49399	2.54%	0.433%
7	5.873	667	673	679	rVB2	589	1913	0.10%	0.017%
8	5.971	679	688	697	rBV2	596	2743	0.14%	0.024%
9	6.143	705	713	723	rVB2	2560	6695	0.34%	0.059%
10	6.241	723	728	733	rVB2	584	1384	0.07%	0.012%
11	6.415	737	754	763	rBV	239651	845960	43.42%	7.415%
12	6.534	763	772	807	rVB	402976	1322674	67.89%	11.593%
13	6.837	807	816	825	rBV2	550	2402	0.12%	0.021%
14	7.063	845	850	857	rVB2	728	2542	0.13%	0.022%
15	7.148	857	863	867	rBV	769	2272	0.12%	0.020%
16	7.482	905	912	919	rBV2	807	3269	0.17%	0.029%
17	7.577	919	926	935	rVB2	911	3765	0.19%	0.033%
18	7.719	937	947	965	rBB	672429	1524016	78.22%	13.357%
19	8.013	981	991	1005	rVB2	16615	36584	1.88%	0.321%
20	8.471	1039	1059	1079	rVB2	548	5697	0.29%	0.050%
21	8.661	1079	1087	1093	rVB2	514	1253	0.06%	0.011%
22	8.724	1093	1097	1101	rVB	807	1986	0.10%	0.017%
23	8.797	1101	1107	1113	rBV	1041	3680	0.19%	0.032%
24	9.352	1185	1190	1195	rVB2	524	1002	0.05%	0.009%
25	9.431	1195	1202	1207	rBV2	541	2015	0.10%	0.018%
26	9.535	1207	1217	1261	rVB	1157343	1897579	97.39%	16.632%
27	11.063	1433	1444	1453	rBV	1236757	1770842	90.89%	15.521%
28	11.191	1453	1463	1501	rVB2	18748	34107	1.75%	0.299%
29	12.216	1605	1615	1697	rVB	1096789	1525249	78.28%	13.368%
30	13.276	1765	1772	1791	rVV	1469651	1948367	100.00%	17.077%
31	13.469	1791	1801	1839	rVB	11504	20951	1.08%	0.184%

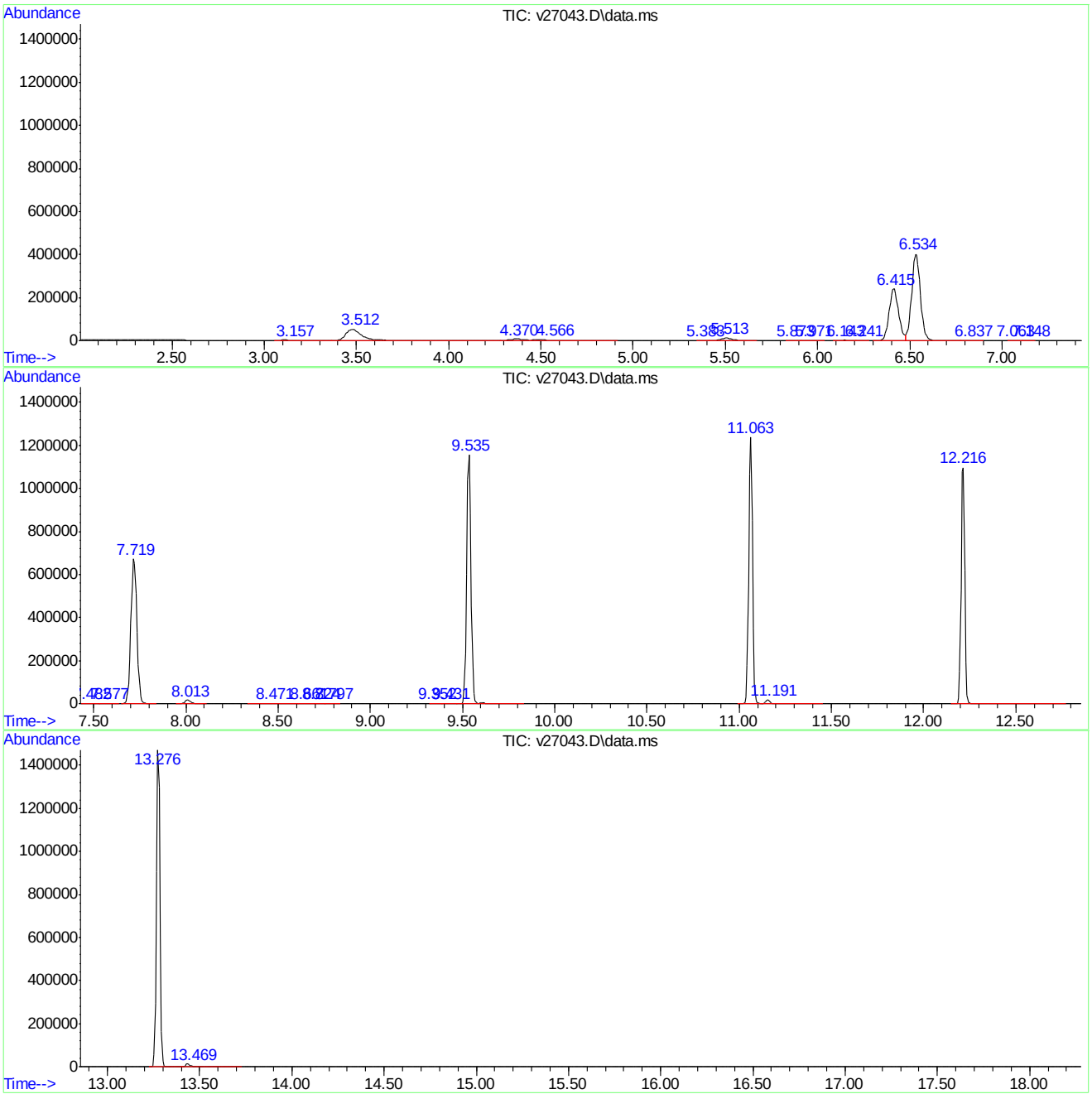
Sum of corrected areas: 11409470

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27043.D
Acq On : 10 Jan 2014 6:08 pm
Operator : amym
Sample : mc27516-5
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27043.D
Acq On : 10 Jan 2014 6:08 pm
Operator : amym
Sample : mc27516-5
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260

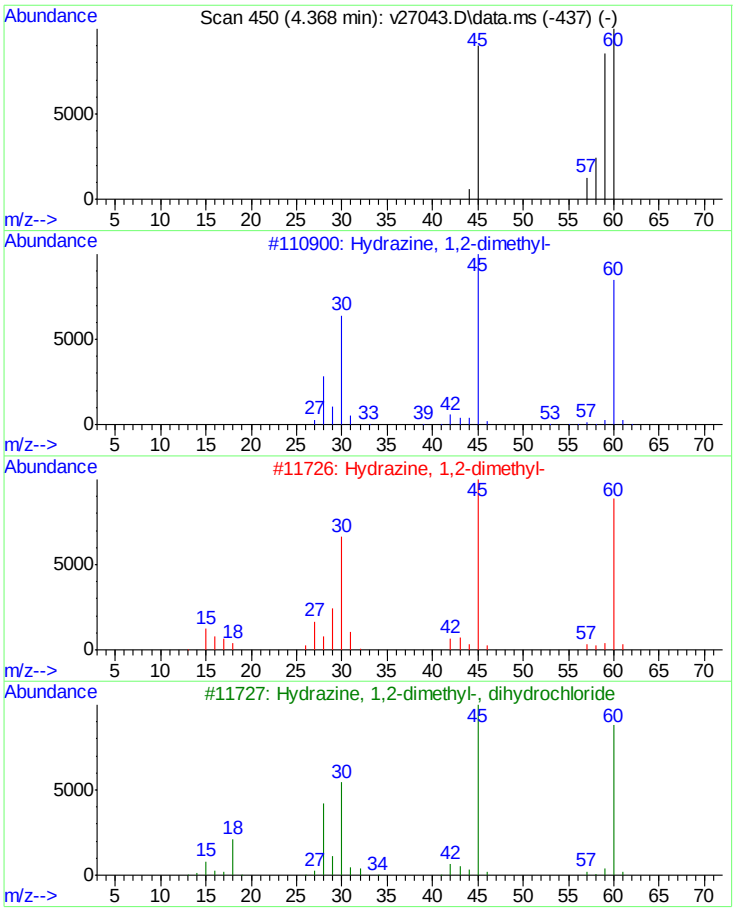
TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P

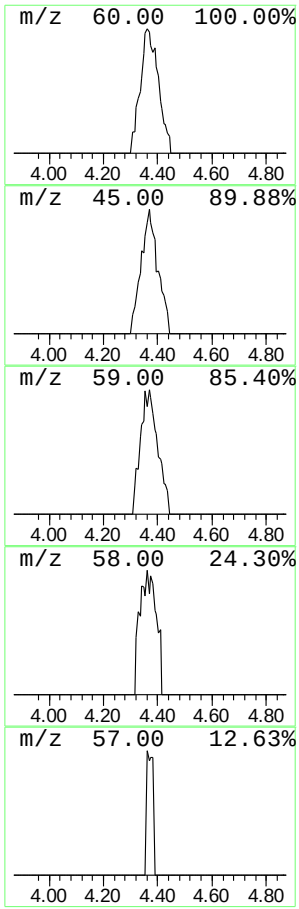
****

Peak Number 1 Hydrazine, 1,2-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.370	1.40 ug/L	36958	pentafluorobenzene	7.000

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	9
2	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	7
3	Hydrazine, 1,2-dimethyl-, dihydr...	60	C2H8N2	000306-37-6	7
4	1-Propanamine	59	C3H9N	000107-10-8	4
5	Ethylenediamine	60	C2H8N2	000107-15-3	4





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27043.D
Acq On : 10 Jan 2014 6:08 pm
Operator : amym
Sample : mc27516-5
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hydrazine, 1,2-...	4.370	1.4	ug/L	36958	2	7.000	1322670	50.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27027.D
Acq On : 10 Jan 2014 11:06 am
Operator : amym
Sample : mb
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 13 09:58:47 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

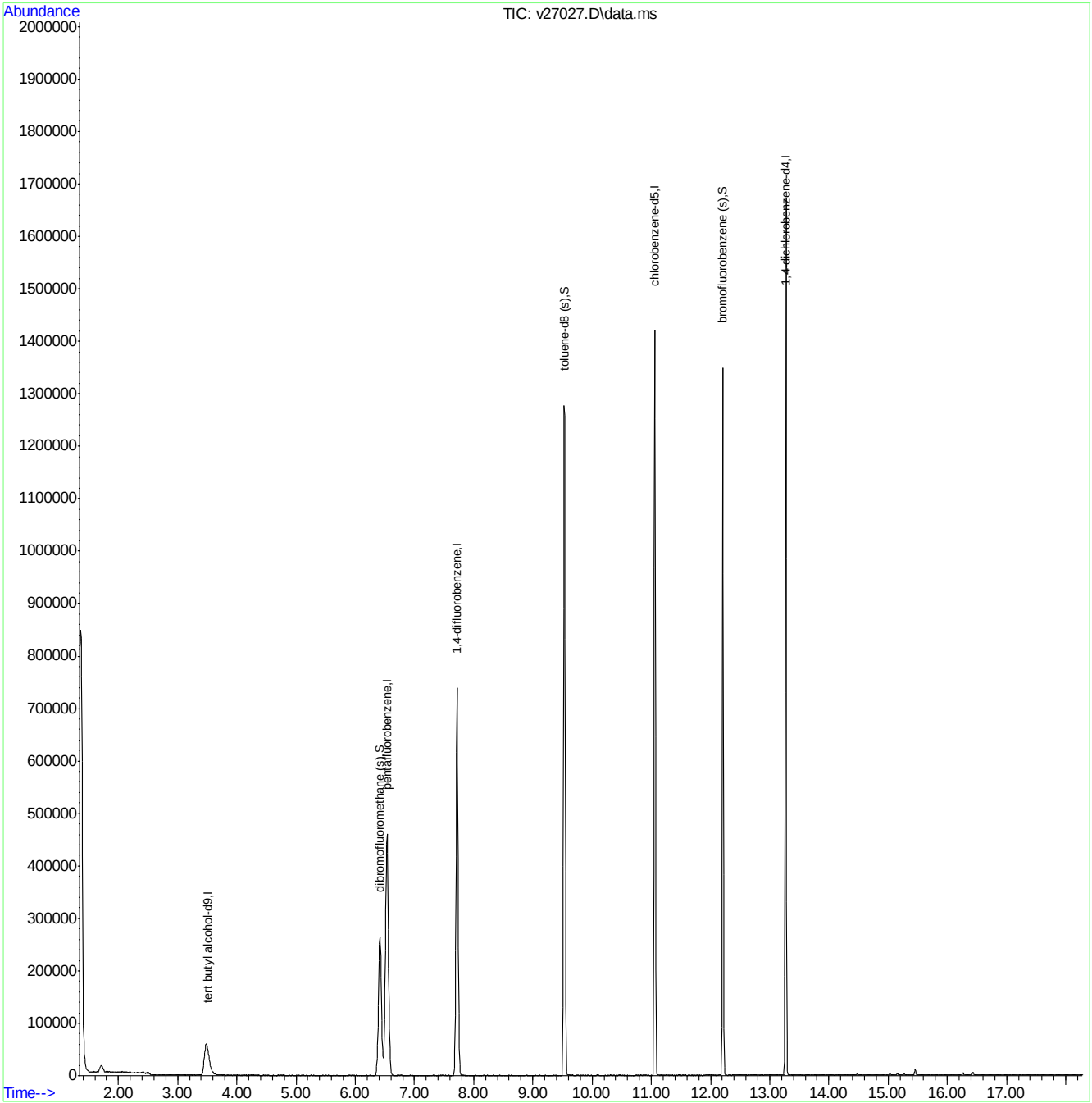
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.504	65	147519	500.00	ug/L	# 0.01
4) pentafluorobenzene	6.538	168	507219	50.00	ug/L	0.00
43) 1,4-difluorobenzene	7.721	114	675581	50.00	ug/L	0.00
66) chlorobenzene-d5	11.059	82	369195	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	13.272	152	351985	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	6.419	113	278321	51.89	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.78%			
60) toluene-d8 (s)	9.532	98	770821	48.51	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.02%			
82) bromofluorobenzene (s)	12.209	95	322263	51.80	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.60%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27027.D
Acq On : 10 Jan 2014 11:06 am
Operator : amym
Sample : mb
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 13 09:58:47 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27027.D
Acq On : 10 Jan 2014 11:06 am
Operator : amym
Sample : mb
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 2 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.4 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\v140107w.m
Title : SW-846 Method 8260

Signal : TIC: v27027.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.535	305	326	525	rVB	60712	372747	16.56%	2.859%
2	5.459	597	612	627	rVB2	692	5001	0.22%	0.038%
3	5.675	635	644	653	rVB	506	2499	0.11%	0.019%
4	6.221	707	725	741	rBV2	603	5401	0.24%	0.041%
5	6.418	741	754	763	rVV	265117	954390	42.39%	7.321%
6	6.537	763	772	823	rVB	460499	1552839	68.97%	11.912%
7	7.060	841	850	859	rBV	498	1999	0.09%	0.015%
8	7.471	905	911	917	rVB2	643	1903	0.08%	0.015%
9	7.720	933	948	963	rVB	739736	1766004	78.44%	13.547%
10	7.974	981	985	991	rVB2	603	1548	0.07%	0.012%
11	8.057	991	998	1005	rBV	641	1916	0.09%	0.015%
12	8.346	1033	1040	1051	rVB	887	2856	0.13%	0.022%
13	8.486	1051	1061	1071	rBV2	649	3603	0.16%	0.028%
14	9.533	1207	1217	1273	rVB	1277840	2189332	97.25%	16.794%
15	11.061	1431	1444	1511	rVB	1420916	2051578	91.13%	15.737%
16	11.564	1511	1518	1525	rBV2	852	3267	0.15%	0.025%
17	11.989	1563	1581	1599	rBV2	525	2781	0.12%	0.021%
18	12.212	1607	1614	1765	rVV	1348966	1746217	77.56%	13.395%
19	13.272	1765	1772	1813	rVV	1672671	2251355	100.00%	17.270%
20	13.823	1817	1854	1893	rVB2	1490	15416	0.68%	0.118%
21	14.621	1947	1972	2029	rBV2	2073	5130	0.23%	0.039%
22	15.037	2029	2034	2047	rVB3	4025	5455	0.24%	0.042%
23	15.163	2047	2052	2063	rBV3	2733	3708	0.16%	0.028%
24	15.290	2063	2071	2091	rBV	3321	5654	0.25%	0.043%
25	15.664	2091	2127	2211	rVV2	10839	25570	1.14%	0.196%
26	16.284	2211	2219	2235	rVV4	3726	7724	0.34%	0.059%
27	17.209	2235	2356	2507	rVB2	5543	50529	2.24%	0.388%

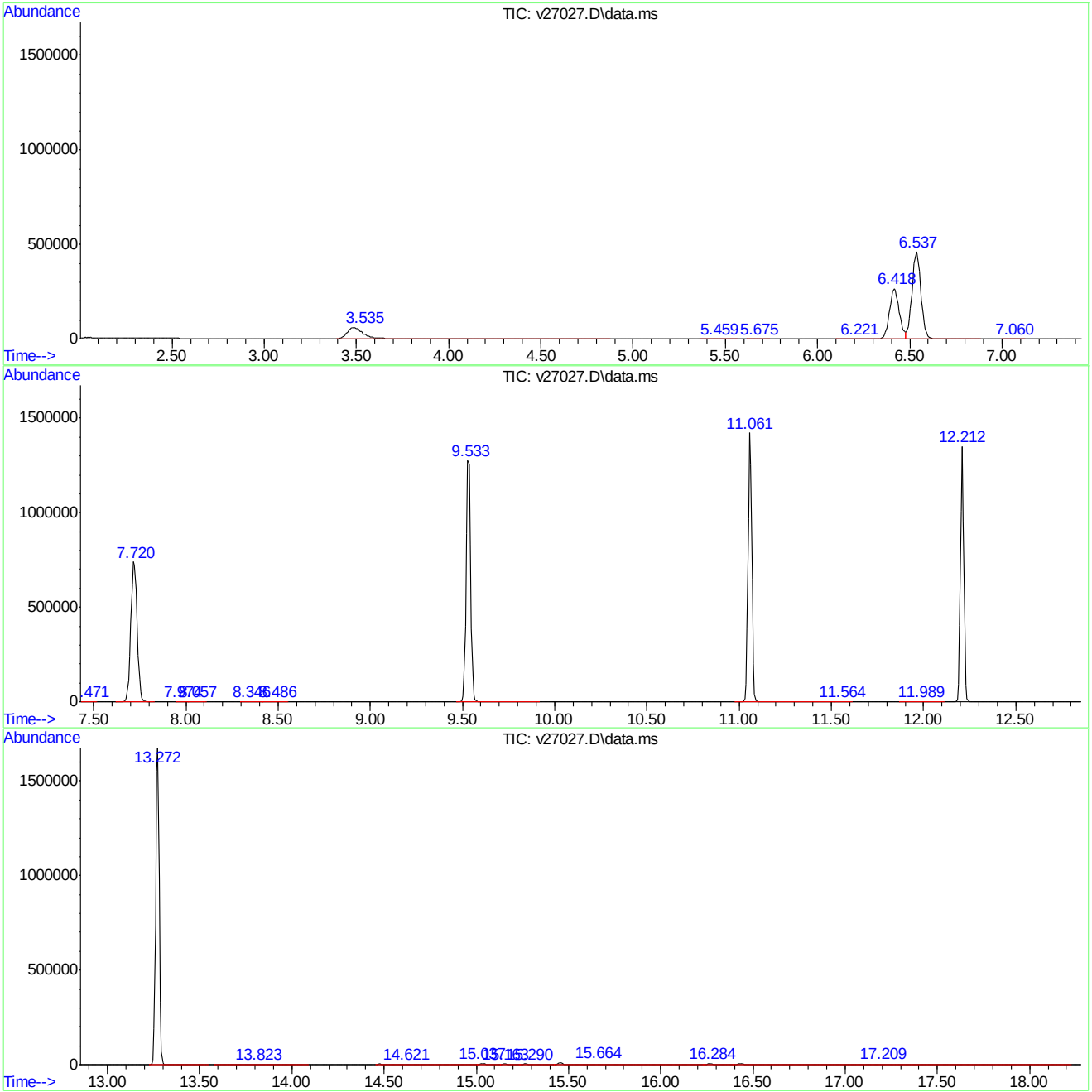
Sum of corrected areas: 13036422

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27027.D
Acq On : 10 Jan 2014 11:06 am
Operator : amym
Sample : mb
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27027.D
Acq On : 10 Jan 2014 11:06 am
Operator : amym
Sample : mb
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27027.D
Acq On : 10 Jan 2014 11:06 am
Operator : amym
Sample : mb
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260

TIC Library : C:\Database\nist98.l
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/13/14 10:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27023.D
Acq On : 10 Jan 2014 9:19 am
Operator : amym
Sample : bs
Misc : MS30950,MSV1022,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 13 09:57:43 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.492	65	143762	500.00	ug/L	#	0.00
4) pentafluorobenzene	6.528	168	549640	50.00	ug/L		0.00
43) 1,4-difluorobenzene	7.713	114	691152	50.00	ug/L		0.00
66) chlorobenzene-d5	11.057	82	373484	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.270	152	412332	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	6.411	113	284893	49.02	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.04%				
60) toluene-d8 (s)	9.528	98	803000	49.40	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.80%				
82) bromofluorobenzene (s)	12.206	95	361407	49.59	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.18%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.602	59	217435	584.59	ug/L	#	80
3) Ethanol	2.570	45	567178m	5689.09	ug/L		
5) dichlorodifluoromethane	1.592	85	951950	51.46	ug/L		98
6) chloromethane	1.624	50	680234	51.23	ug/L		98
7) vinyl chloride	1.746	62	488327	45.48	ug/L		98
8) bromomethane	2.036	96	334919	49.19	ug/L		97
9) chloroethane	2.144	64	257730	58.37	ug/L		98
10) ethyl ether	2.600	59	285276	48.11	ug/L		84
11) acetonitrile	3.286	41	513477	54.42	ug/L		88
12) trichlorofluoromethane	2.359	101	809428	59.03	ug/L		99
13) freon-113	2.923	101	315988	54.16	ug/L		84
14) acrolein	2.756	56	62729	76.40	ug/L		92
15) 1,1-dichloroethene	2.882	96	295279	55.09	ug/L	#	64
16) acetone	2.910	58	48123	52.44	ug/L	#	74
17) Methyl Acetate	3.270	43	237519	33.76	ug/L	#	89
18) methylene chloride	3.463	84	299844	49.12	ug/L	#	72
19) methyl tert butyl ether	3.807	73	607663	52.71	ug/L		95
20) acrylonitrile	3.763	53	207707	94.49	ug/L		92
21) allyl chloride	3.285	41	514987	54.58	ug/L		86
22) trans-1,2-dichloroethene	3.823	96	288418	52.62	ug/L	#	77
23) iodomethane	3.040	142	546904	48.27	ug/L		84
24) carbon disulfide	3.117	76	807963	47.45	ug/L		100
25) propionitrile	5.625	54	37613	48.03	ug/L		100
26) vinyl acetate	4.547	43	1026111	52.98	ug/L		92
27) chloroprene	4.598	53	584910	65.17	ug/L		73
28) di-isopropyl ether	4.582	45	1012481	56.27	ug/L		88
29) methacrylonitrile	5.891	41	192602	52.99	ug/L		79
30) 2-butanone	5.508	72	31886	47.19	ug/L	#	49
31) Hexane	4.229	41	311900	55.42	ug/L	#	76
32) 1,1-dichloroethane	4.491	63	607974	54.25	ug/L		100
33) tert-butyl ethyl ether	5.237	59	630765	59.89	ug/L		94
34) isobutyl alcohol	4.547	43	1026412	263.48	ug/L		84
35) 2,2-dichloropropane	5.509	77	327853	62.28	ug/L		95
36) cis-1,2-dichloroethene	5.505	96	284902	53.12	ug/L	#	74

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27023.D
Acq On : 10 Jan 2014 9:19 am
Operator : amym
Sample : bs
Misc : MS30950,MSV1022,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 13 09:57:43 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.543	43	1025404m	52.94	ug/L		
38) bromochloromethane	5.925	128	153016	52.43	ug/L	#	71
39) chloroform	6.141	83	618377	52.65	ug/L		99
41) Tetrahydrofuran	5.931	42	65334	48.46	ug/L		81
42) 1,1,1-trichloroethane	6.384	97	519691	59.09	ug/L		95
44) Cyclohexane	6.507	56	434590	49.75	ug/L		88
45) carbon tetrachloride	6.641	117	524862	60.60	ug/L		98
46) 1,1-dichloropropene	6.651	75	403428	54.86	ug/L		92
47) benzene	6.970	78	937894	52.83	ug/L		100
48) 1,2-dichloroethane	7.096	62	570956	55.30	ug/L		92
49) tert-amyl methyl ether	7.256	73	422659	54.19	ug/L		89
50) heptane	7.529	43	306990	51.46	ug/L		82
51) trichloroethene	8.006	95	297452	55.39	ug/L		91
52) 1,2-dichloropropane	8.355	63	287548	51.85	ug/L		98
53) dibromomethane	8.460	93	196119	51.82	ug/L		95
54) bromodichloromethane	8.711	83	466133	58.97	ug/L		99
55) Methylcyclohexane	8.312	83	335416	57.92	ug/L	#	81
56) 2-chloroethyl vinyl ether	9.088	63	19581	72.38	ug/L		94
57) methyl methacrylate	8.490	69	134964	44.07	ug/L	#	65
58) 1,4-dioxane	8.484	88	9772	224.66	ug/L	#	49
59) cis-1,3-dichloropropene	9.241	75	434312	49.48	ug/L		90
61) 4-methyl-2-pentanone	9.424	43	227204	50.32	ug/L		89
62) toluene	9.604	92	613047	56.23	ug/L		97
63) trans-1,3-dichloropropene	9.893	75	430948	51.63	ug/L		90
64) 1,1,2-trichloroethane	10.099	83	203294	51.23	ug/L		96
65) ethyl methacrylate	9.973	69	272868	45.59	ug/L		76
67) tetrachloroethene	10.157	166	334319	56.18	ug/L		99
68) 1,3-dichloropropane	10.260	76	398837	51.78	ug/L		99
69) dibromochloromethane	10.481	129	338702	58.35	ug/L		97
70) 1,2-dibromoethane	10.589	107	250684	50.84	ug/L		98
71) 2-hexanone	10.333	43	223866	48.36	ug/L		85
72) chlorobenzene	11.087	112	743931	48.52	ug/L		93
73) 1,1,1,2-tetrachloroethane	11.187	131	321305	56.44	ug/L		97
74) ethylbenzene	11.192	91	1346832	56.25	ug/L		94
75) m,p-xylene	11.323	106	960358	92.92	ug/L		84
76) o-xylene	11.690	106	471618	46.95	ug/L		86
77) styrene	11.710	104	794269	51.21	ug/L		86
78) bromoform	11.884	173	229519	44.92	ug/L		99
79) trans-1,4-dichloro-2-b...	12.370	53	106715	44.34	ug/L		84
81) isopropylbenzene	12.042	105	1308548	61.18	ug/L		94
83) bromobenzene	12.332	156	372787	55.36	ug/L		89
84) 1,1,2,2-tetrachloroethane	12.338	83	314918	50.55	ug/L		98
85) 1,2,3-trichloropropane	12.377	75	404258	55.07	ug/L		100
86) n-propylbenzene	12.430	91	1550581	59.16	ug/L		94
87) 2-chlorotoluene	12.509	91	1008639	55.74	ug/L		97
88) 4-chlorotoluene	12.621	91	1233324	56.84	ug/L		91
89) 1,3,5-trimethylbenzene	12.601	105	1192566	61.44	ug/L		94
90) tert-butylbenzene	12.886	91	729285	60.43	ug/L		83
91) 1,2,4-trimethylbenzene	12.940	105	1202576	60.61	ug/L		95
92) sec-butylbenzene	13.089	105	1385036	61.22	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27023.D
Acq On : 10 Jan 2014 9:19 am
Operator : amym
Sample : bs
Misc : MS30950,MSV1022,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 13 09:57:43 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	13.197	146	704444	52.48	ug/L		99
94) p-isopropyltoluene	13.230	119	1214786	59.42	ug/L		96
95) 1,4-dichlorobenzene	13.292	146	734263	52.56	ug/L		99
96) 1,2-dichlorobenzene	13.609	146	691548	51.55	ug/L		100
97) n-butylbenzene	13.595	91	1113045	60.80	ug/L		94
98) 1,2-dibromo-3-chloropr...	14.311	75	57209	54.76	ug/L	#	74
99) 1,3,5-trichlorobenzene	14.476	180	528853	58.81	ug/L		99
100) 1,2,4-trichlorobenzene	15.032	180	497295	62.76	ug/L		98
101) hexachlorobutadiene	15.153	225	228998	61.67	ug/L		95
102) naphthalene	15.266	128	851371	52.27	ug/L		100
103) 1,2,3-trichlorobenzene	15.455	180	443714	59.88	ug/L		99
104) 2-Methylnaphthalene	16.264	142	144322	22.62	ug/L		100
105) 1-Methylnaphthalene	16.433	142	137016	24.73	ug/L		100

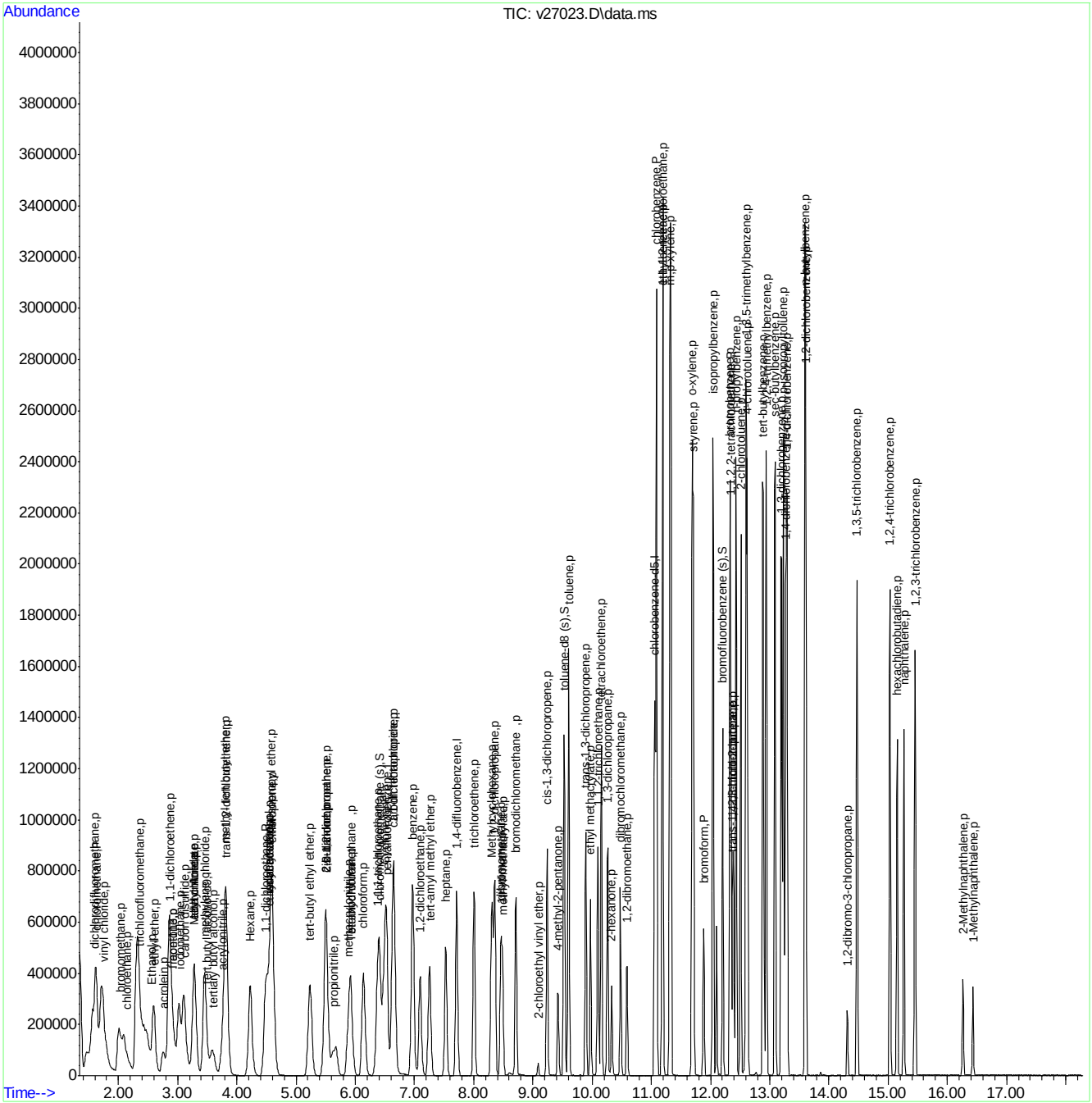
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.3.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27023.D
Acq On : 10 Jan 2014 9:19 am
Operator : amym
Sample : bs
Misc : MS30950,MSV1022,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 13 09:57:43 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/13/14 10:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27045.D
Acq On : 10 Jan 2014 7:00 pm
Operator : amym
Sample : mc27557-2Ams
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jan 13 10:15:19 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.508	65	157249	500.00	ug/L	#	0.01
4) pentafluorobenzene	6.544	168	585609	50.00	ug/L		0.01
43) 1,4-difluorobenzene	7.725	114	734382	50.00	ug/L		0.01
66) chlorobenzene-d5	11.063	82	396124	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.276	152	422735	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	6.426	113	297805	48.09	ug/L		0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.18%				
60) toluene-d8 (s)	9.537	98	837428	48.48	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.96%				
82) bromofluorobenzene (s)	12.213	95	371614	49.73	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.46%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.616	59	221897	545.41	ug/L	#	80
3) Ethanol	2.583	45	494237m	4532.26	ug/L		
5) dichlorodifluoromethane	1.593	85	977471	49.59	ug/L		99
6) chloromethane	1.640	50	662988m	46.86	ug/L		
7) vinyl chloride	1.753	62	501388	43.83	ug/L		98
8) bromomethane	2.047	96	326766	45.05	ug/L		91
9) chloroethane	2.150	64	261164	55.52	ug/L		97
10) ethyl ether	2.611	59	308596	48.85	ug/L		91
11) acetonitrile	3.300	41	515770	51.31	ug/L		97
12) trichlorofluoromethane	2.368	101	797978	54.62	ug/L		98
13) freon-113	2.933	101	319119m	51.34	ug/L		
14) acrolein	2.767	56	53999	61.73	ug/L		92
15) 1,1-dichloroethene	2.890	96	297583	52.11	ug/L	#	68
16) acetone	2.927	58	28823	29.48	ug/L	#	68
17) Methyl Acetate	3.282	43	234029	31.22	ug/L	#	90
18) methylene chloride	3.475	84	301139	46.30	ug/L	#	73
19) methyl tert butyl ether	3.821	73	658248	53.59	ug/L		99
20) acrylonitrile	3.777	53	224539	95.88	ug/L		99
21) allyl chloride	3.300	41	515233	51.26	ug/L		83
22) trans-1,2-dichloroethene	3.840	96	288771	49.45	ug/L	#	73
23) iodomethane	3.051	142	545352	45.17	ug/L		85
24) carbon disulfide	3.131	76	814633	44.91	ug/L		100
25) propionitrile	5.640	54	38539	46.19	ug/L		100
26) vinyl acetate	4.563	43	989687	47.96	ug/L		92
27) chloroprene	4.616	53	541953	56.67	ug/L		77
28) di-isopropyl ether	4.599	45	1017245	53.06	ug/L		88
29) methacrylonitrile	5.905	41	199915	51.63	ug/L		82
30) 2-butanone	5.520	72	23836	32.85	ug/L	#	46
31) Hexane	4.246	41	298766	49.82	ug/L	#	80
32) 1,1-dichloroethane	4.509	63	615527	51.55	ug/L		99
33) tert-butyl ethyl ether	5.253	59	662626	59.05	ug/L		94
34) isobutyl alcohol	4.563	43	989814	238.48	ug/L		84
35) 2,2-dichloropropane	5.528	77	299793	53.45	ug/L		94
36) cis-1,2-dichloroethene	5.523	96	282262	49.40	ug/L	#	78

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27045.D
Acq On : 10 Jan 2014 7:00 pm
Operator : amym
Sample : mc27557-2Ams
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jan 13 10:15:19 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.563	43	989356m	47.94	ug/L		
38) bromochloromethane	5.942	128	154437	49.67	ug/L	#	73
39) chloroform	6.157	83	609452	48.70	ug/L		98
41) Tetrahydrofuran	5.944	42	69666	48.50	ug/L		81
42) 1,1,1-trichloroethane	6.401	97	540841	57.72	ug/L		94
44) Cyclohexane	6.522	56	439250	47.33	ug/L		87
45) carbon tetrachloride	6.657	117	510597	55.48	ug/L		99
46) 1,1-dichloropropene	6.666	75	398351	50.98	ug/L		95
47) benzene	6.985	78	943884	50.04	ug/L		99
48) 1,2-dichloroethane	7.110	62	558631	50.92	ug/L		93
49) tert-amyl methyl ether	7.268	73	458323	55.30	ug/L		88
50) heptane	7.542	43	287717	45.58	ug/L		84
51) trichloroethene	8.017	95	293107	51.36	ug/L		92
52) 1,2-dichloropropane	8.366	63	288036	48.88	ug/L		98
53) dibromomethane	8.470	93	199614	49.63	ug/L		98
54) bromodichloromethane	8.721	83	443225	52.77	ug/L		99
55) Methylcyclohexane	8.324	83	336077	54.62	ug/L	#	82
57) methyl methacrylate	8.499	69	141219	43.47	ug/L	#	70
58) 1,4-dioxane	8.490	88	6827	157.71	ug/L	#	49
59) cis-1,3-dichloropropene	9.249	75	410811	44.33	ug/L		93
61) 4-methyl-2-pentanone	9.431	43	252881	52.71	ug/L		89
62) toluene	9.612	92	600732	51.86	ug/L		97
63) trans-1,3-dichloropropene	9.900	75	417409	47.38	ug/L		90
64) 1,1,2-trichloroethane	10.106	83	206571	48.99	ug/L		98
65) ethyl methacrylate	9.981	69	281037	44.36	ug/L		74
67) tetrachloroethene	10.165	166	325767	51.62	ug/L		97
68) 1,3-dichloropropane	10.267	76	402470	49.26	ug/L		98
69) dibromochloromethane	10.488	129	333060	54.10	ug/L		98
70) 1,2-dibromoethane	10.596	107	255002	48.76	ug/L		99
71) 2-hexanone	10.339	43	183828	37.69	ug/L		85
72) chlorobenzene	11.093	112	731447	44.98	ug/L		91
73) 1,1,1,2-tetrachloroethane	11.193	131	313222	51.87	ug/L		96
74) ethylbenzene	11.198	91	1310456	51.61	ug/L		95
75) m,p-xylene	11.329	106	912103	83.90	ug/L		88
76) o-xylene	11.696	106	452341	42.84	ug/L		88
77) styrene	11.717	104	666569	40.52	ug/L		88
78) bromoform	11.891	173	221071	41.33	ug/L		100
79) trans-1,4-dichloro-2-b...	12.376	53	102888	40.99	ug/L		89
81) isopropylbenzene	12.048	105	1265637	57.72	ug/L		95
83) bromobenzene	12.338	156	364647	52.82	ug/L		90
84) 1,1,2,2-tetrachloroethane	12.343	83	322340	50.47	ug/L		99
85) 1,2,3-trichloropropane	12.383	75	410642	54.56	ug/L		100
86) n-propylbenzene	12.436	91	1474715	54.88	ug/L		95
87) 2-chlorotoluene	12.515	91	971669	52.37	ug/L		94
88) 4-chlorotoluene	12.627	91	1166442	52.44	ug/L		92
89) 1,3,5-trimethylbenzene	12.606	105	1020688	51.29	ug/L		95
90) tert-butylbenzene	12.892	91	701405	56.69	ug/L		85
91) 1,2,4-trimethylbenzene	12.946	105	1064129	52.31	ug/L		95
92) sec-butylbenzene	13.095	105	1307252	56.36	ug/L		98
93) 1,3-dichlorobenzene	13.203	146	673480	48.94	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27045.D
Acq On : 10 Jan 2014 7:00 pm
Operator : amym
Sample : mc27557-2Ams
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jan 13 10:15:19 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

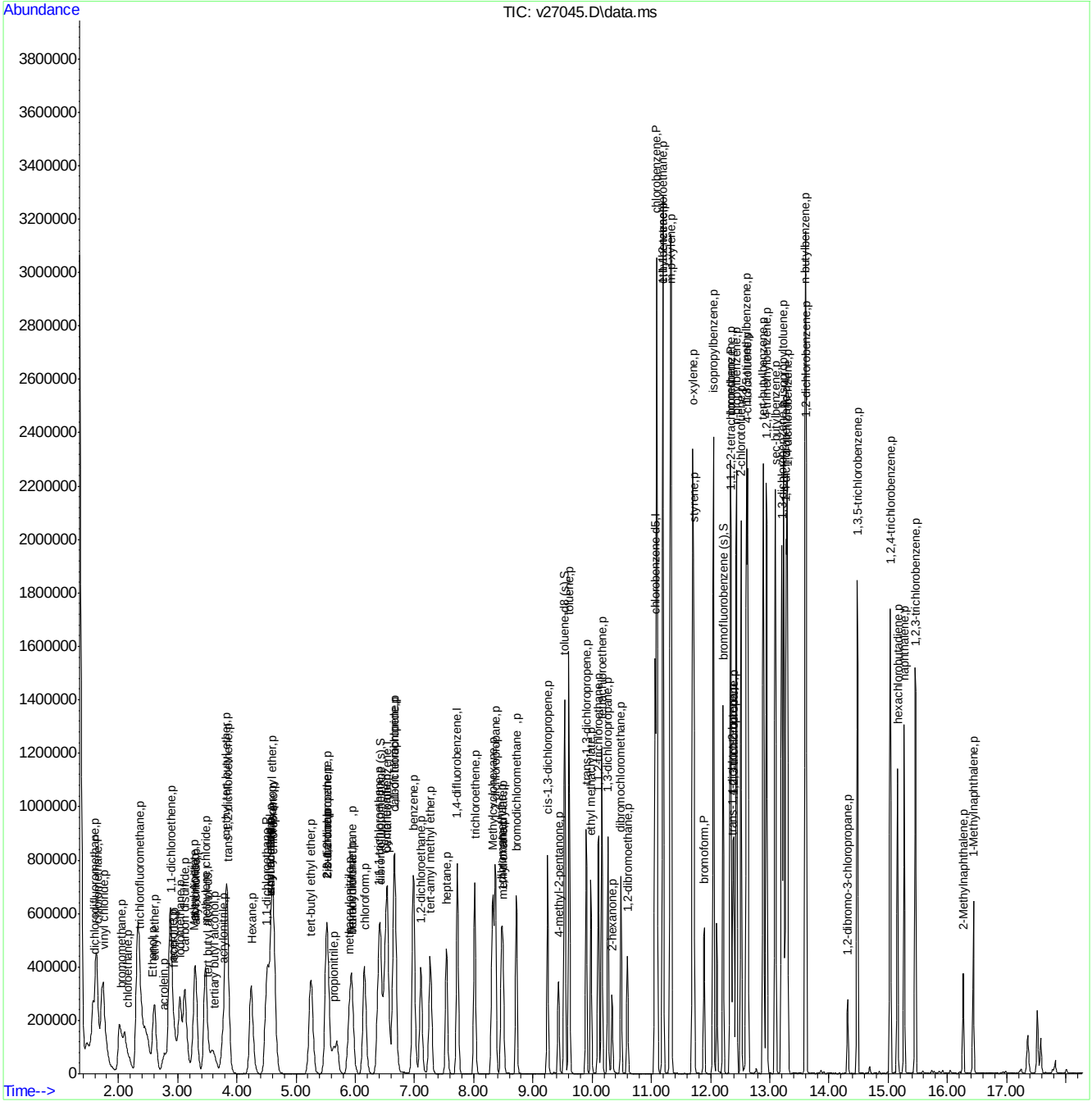
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	p-isopropyltoluene	13.236	119	1129501	53.88	ug/L	94
95)	1,4-dichlorobenzene	13.298	146	696381	48.62	ug/L	99
96)	1,2-dichlorobenzene	13.615	146	664946	48.35	ug/L	99
97)	n-butylbenzene	13.601	91	1018241	54.25	ug/L	95
98)	1,2-dibromo-3-chloropr...	14.316	75	59213	55.28	ug/L	79
99)	1,3,5-trichlorobenzene	14.481	180	497929	54.01	ug/L	99
100)	1,2,4-trichlorobenzene	15.036	180	480297	59.13	ug/L	95
101)	hexachlorobutadiene	15.158	225	205489	53.97	ug/L	95
102)	naphthalene	15.271	128	817874	48.67	ug/L	100
103)	1,2,3-trichlorobenzene	15.460	180	414679	54.58	ug/L	98
104)	2-Methylnaphthalene	16.268	142	154003	23.37	ug/L	99
105)	1-Methylnaphthalene	16.438	142	256341	43.42	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27045.D
Acq On : 10 Jan 2014 7:00 pm
Operator : amym
Sample : mc27557-2Ams
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jan 13 10:15:19 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/13/14 10:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27046.D
Acq On : 10 Jan 2014 7:26 pm
Operator : amym
Sample : mc27557-2Amsd
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jan 13 10:16:29 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.507	65	183266	500.00	ug/L	#	0.01
4) pentafluorobenzene	6.542	168	603884	50.00	ug/L		0.01
43) 1,4-difluorobenzene	7.725	114	769797	50.00	ug/L		0.01
66) chlorobenzene-d5	11.064	82	412415	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.276	152	437826	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	6.424	113	308519	48.32	ug/L		0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.64%				
60) toluene-d8 (s)	9.536	98	889234	49.11	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.22%				
82) bromofluorobenzene (s)	12.213	95	385738	49.84	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.68%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.615	59	251923	531.31	ug/L	#	82
3) Ethanol	2.583	45	567675m	4466.69	ug/L		
5) dichlorodifluoromethane	1.593	85	1010556m	49.72	ug/L		
6) chloromethane	1.632	50	734304	50.33	ug/L		96
7) vinyl chloride	1.754	62	512172	43.42	ug/L		98
8) bromomethane	2.047	96	335442	44.84	ug/L		96
9) chloroethane	2.153	64	268709	55.39	ug/L		99
10) ethyl ether	2.611	59	316146	48.53	ug/L		90
11) acetonitrile	3.300	41	535975	51.70	ug/L		96
12) trichlorofluoromethane	2.369	101	816175	54.18	ug/L		98
13) freon-113	2.927	101	322821m	50.36	ug/L		
14) acrolein	2.767	56	57248	63.46	ug/L		89
15) 1,1-dichloroethene	2.893	96	309261	52.52	ug/L	#	67
16) acetone	2.926	58	32576	32.31	ug/L	#	73
17) Methyl Acetate	3.280	43	244224	31.60	ug/L	#	89
18) methylene chloride	3.475	84	313581	46.76	ug/L	#	71
19) methyl tert butyl ether	3.820	73	688835	54.39	ug/L		96
20) acrylonitrile	3.776	53	237435	98.31	ug/L		94
21) allyl chloride	3.300	41	534341	51.55	ug/L		86
22) trans-1,2-dichloroethene	3.839	96	296440	49.22	ug/L	#	80
23) iodomethane	3.052	142	565566	45.43	ug/L		87
24) carbon disulfide	3.131	76	838246	44.81	ug/L		100
25) propionitrile	5.637	54	42017	48.83	ug/L		100
26) vinyl acetate	4.561	43	1037833	48.77	ug/L		93
27) chloroprene	4.613	53	575241	58.33	ug/L		77
28) di-isopropyl ether	4.597	45	1056548	53.45	ug/L		88
29) methacrylonitrile	5.904	41	211760	53.03	ug/L		80
30) 2-butanone	5.521	72	25760	34.47	ug/L	#	60
31) Hexane	4.244	41	300445	48.59	ug/L	#	79
32) 1,1-dichloroethane	4.507	63	636198	51.67	ug/L		99
33) tert-butyl ethyl ether	5.252	59	693425	59.93	ug/L		95
34) isobutyl alcohol	4.561	43	1037833	242.48	ug/L		82
35) 2,2-dichloropropane	5.527	77	310054	53.61	ug/L		93
36) cis-1,2-dichloroethene	5.521	96	293940	49.89	ug/L	#	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27046.D
Acq On : 10 Jan 2014 7:26 pm
Operator : amym
Sample : mc27557-2Amsd
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jan 13 10:16:29 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.563	43	1037532m	48.75	ug/L		
38) bromochloromethane	5.940	128	159359	49.70	ug/L	#	75
39) chloroform	6.155	83	619336	48.00	ug/L		98
41) Tetrahydrofuran	5.943	42	75354	50.87	ug/L		84
42) 1,1,1-trichloroethane	6.400	97	558161	57.77	ug/L		95
44) Cyclohexane	6.521	56	457681	47.04	ug/L		89
45) carbon tetrachloride	6.656	117	518374	53.73	ug/L		99
46) 1,1-dichloropropene	6.665	75	410477	50.12	ug/L		94
47) benzene	6.984	78	983009	49.71	ug/L		99
48) 1,2-dichloroethane	7.109	62	568122	49.40	ug/L		94
49) tert-amyl methyl ether	7.268	73	479729	55.22	ug/L		90
50) heptane	7.541	43	298376	45.11	ug/L		85
51) trichloroethene	8.018	95	303074	50.67	ug/L		88
52) 1,2-dichloropropane	8.366	63	300523	48.65	ug/L		97
53) dibromomethane	8.470	93	207263	49.17	ug/L		97
54) bromodichloromethane	8.721	83	459212	52.16	ug/L		99
55) Methylcyclohexane	8.323	83	350919	54.40	ug/L	#	84
57) methyl methacrylate	8.499	69	152525	44.64	ug/L	#	72
58) 1,4-dioxane	8.493	88	9457	199.03	ug/L		66
59) cis-1,3-dichloropropene	9.249	75	431245	44.39	ug/L		93
61) 4-methyl-2-pentanone	9.431	43	265436	52.78	ug/L		89
62) toluene	9.612	92	627264	51.66	ug/L		99
63) trans-1,3-dichloropropene	9.900	75	433277	46.95	ug/L		92
64) 1,1,2-trichloroethane	10.106	83	216434	48.97	ug/L		97
65) ethyl methacrylate	9.980	69	302306	45.38	ug/L		78
67) tetrachloroethene	10.165	166	339601	51.68	ug/L		96
68) 1,3-dichloropropane	10.267	76	421822	49.59	ug/L		100
69) dibromochloromethane	10.488	129	347060	54.15	ug/L		98
70) 1,2-dibromoethane	10.596	107	268221	49.26	ug/L		98
71) 2-hexanone	10.339	43	191939	37.79	ug/L		87
72) chlorobenzene	11.093	112	756143	44.66	ug/L		93
73) 1,1,1,2-tetrachloroethane	11.193	131	325673	51.81	ug/L		96
74) ethylbenzene	11.198	91	1353315	51.19	ug/L		95
75) m,p-xylene	11.329	106	965519	85.20	ug/L		86
76) o-xylene	11.696	106	471486	42.88	ug/L		87
77) styrene	11.717	104	757945	44.26	ug/L		88
78) bromoform	11.891	173	235417	42.14	ug/L		98
79) trans-1,4-dichloro-2-b...	12.376	53	107242	41.02	ug/L		90
81) isopropylbenzene	12.049	105	1309538	57.66	ug/L		96
83) bromobenzene	12.338	156	378926	52.99	ug/L		90
84) 1,1,2,2-tetrachloroethane	12.344	83	341635	51.65	ug/L		99
85) 1,2,3-trichloropropane	12.384	75	431344	55.34	ug/L		99
86) n-propylbenzene	12.436	91	1529670	54.96	ug/L		94
87) 2-chlorotoluene	12.515	91	999389	52.01	ug/L		94
88) 4-chlorotoluene	12.627	91	1198442	52.02	ug/L		93
89) 1,3,5-trimethylbenzene	12.606	105	1132826	54.97	ug/L		94
90) tert-butylbenzene	12.893	91	730891	57.04	ug/L		87
91) 1,2,4-trimethylbenzene	12.946	105	1156469	54.89	ug/L		94
92) sec-butylbenzene	13.096	105	1361698	56.68	ug/L		99
93) 1,3-dichlorobenzene	13.203	146	696250	48.85	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27046.D
Acq On : 10 Jan 2014 7:26 pm
Operator : amym
Sample : mc27557-2Amsd
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jan 13 10:16:29 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

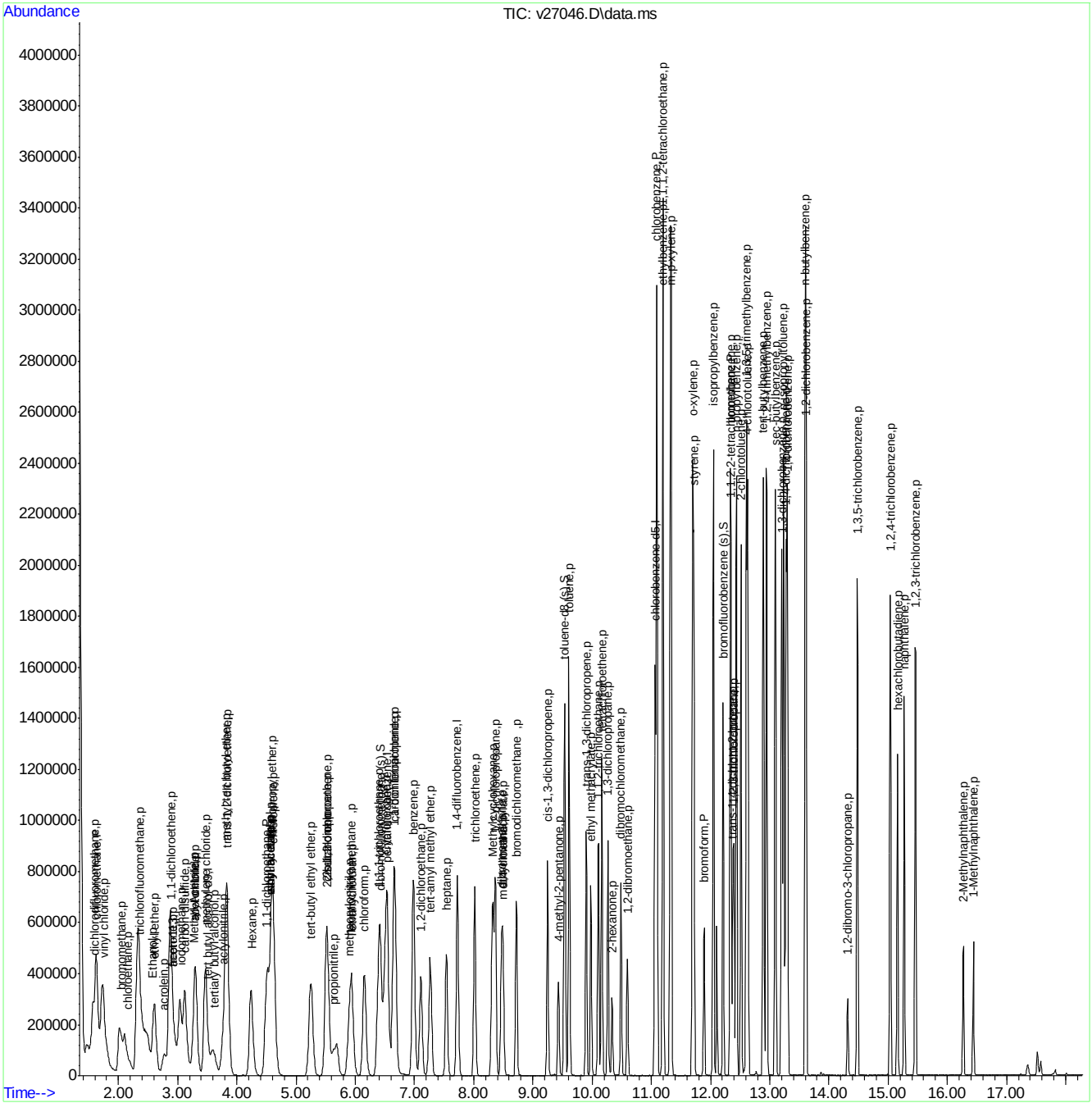
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) p-isopropyltoluene	13.236	119	1188629	54.75	ug/L	95
95) 1,4-dichlorobenzene	13.298	146	718565	48.44	ug/L	100
96) 1,2-dichlorobenzene	13.615	146	692703	48.63	ug/L	99
97) n-butylbenzene	13.601	91	1066528	54.87	ug/L	96
98) 1,2-dibromo-3-chloropr...	14.317	75	63654	57.38	ug/L	79
99) 1,3,5-trichlorobenzene	14.482	180	523528	54.83	ug/L	97
100) 1,2,4-trichlorobenzene	15.037	180	510507	60.68	ug/L	98
101) hexachlorobutadiene	15.159	225	220454	55.91	ug/L	96
102) naphthalene	15.271	128	960175	55.82	ug/L	100
103) 1,2,3-trichlorobenzene	15.460	180	476217	60.52	ug/L	98
104) 2-Methylnaphthalene	16.270	142	204395	28.86	ug/L	99
105) 1-Methylnaphthalene	16.439	142	212640	34.98	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27046.D
Acq On : 10 Jan 2014 7:26 pm
Operator : amym
Sample : mc27557-2Amsd
Misc : MS30956,MSV1022,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

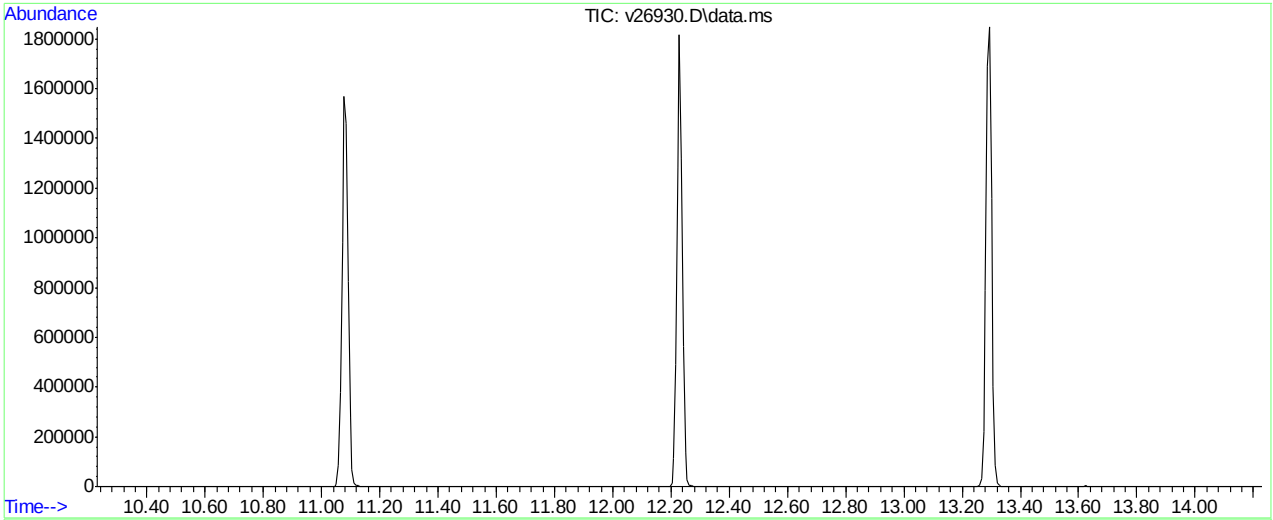
Quant Time: Jan 13 10:16:29 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration



SW-846 Method 8260

Data File : C:\msdchem\1\DATA\V140107\v26930.D Vial: 5
Acq On : 7 Jan 2014 11:37 am Operator: amym
Sample : bfb Inst : MSV
Misc : MS30921,MSV1019,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\v140107w.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Average of 12.223 to 12.236 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.5	65605	PASS
75	95	30	60	54.6	152485	PASS
95	95	100	100	100.0	279445	PASS
96	95	5	9	6.6	18508	PASS
173	174	0.00	2	0.9	2349	PASS
174	95	50	100	90.6	253227	PASS
175	174	5	9	7.6	19225	PASS
176	174	95	101	96.6	244565	PASS
177	176	5	9	6.7	16506	PASS

v26930.D v140107w.m Wed Jan 08 09:41:33 2014

Average of 12.223 to 12.236 min.: v26930.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	2493	51.10	20059	65.10	888	77.95	865
37.05	14470	52.10	1055	67.05	806	79.00	8817
38.10	12997	55.00	817	68.00	33365	79.95	2338
39.05	5053	56.05	5016	69.00	32528	81.00	9561
39.90	230	57.05	8966	70.05	2432	81.95	1841
44.00	1660	58.00	257	72.05	1607	85.95	207
45.00	2932	60.05	2961	73.00	13220	87.00	8973
47.00	4103	61.00	15812	74.00	51771	88.00	8673
48.00	2093	62.00	15566	75.00	152485	91.00	1130
49.00	13821	63.05	10985	76.05	12920	92.00	9162
50.00	65605	64.05	1179	77.00	1274	93.00	13184

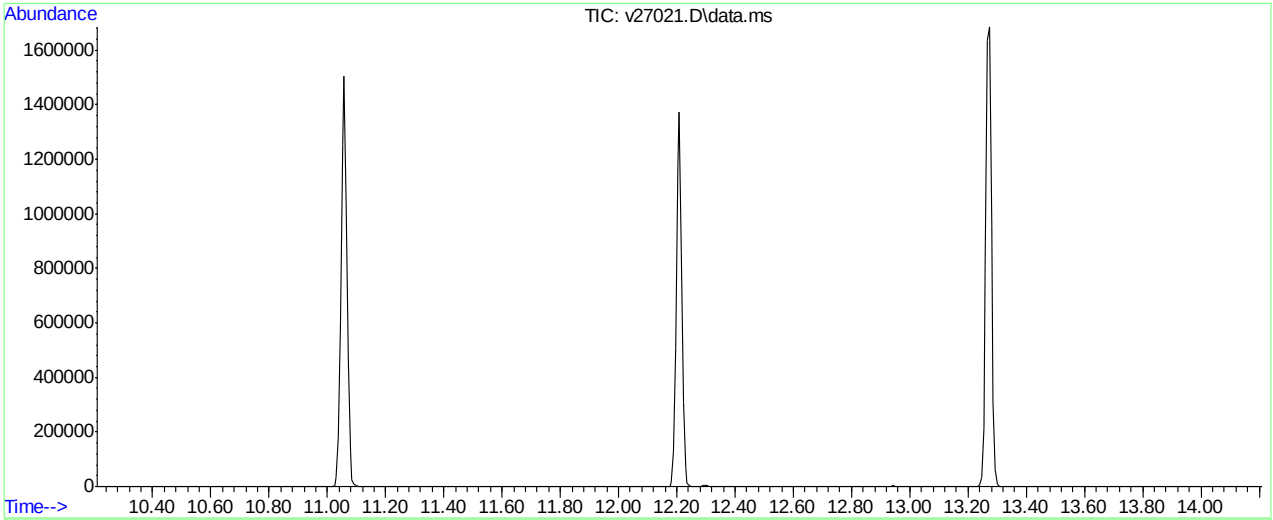
Average of 12.223 to 12.236 min.: v26930.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	34291	116.90	1805	143.00	3928	156.95	535
95.00	279445	117.95	1175	143.90	140	158.95	404
96.00	18508	118.95	1656	144.95	497	160.95	330
97.10	501	127.85	1050	145.90	449	172.00	1294
103.95	1273	128.95	528	147.00	124	173.05	2349
104.90	323	129.95	1238	147.95	813	173.95	253227
105.90	1434	130.95	517	148.90	109	175.00	19225
106.95	284	134.90	603	149.90	386	175.95	244565
110.90	150	136.90	581	153.00	102	176.95	16506
114.90	234	141.00	3344	153.80	120	177.95	562
115.95	1187	141.95	508	154.90	849		

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\V140110\v27021.D Vial: 1
Acq On : 10 Jan 2014 8:25 am Operator: amym
Sample : bfb Inst : MSV
Misc : MS30950,MSV1022,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\v140107w.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Average of 12.203 to 12.216 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.9	52283	PASS
75	95	30	60	57.8	121291	PASS
95	95	100	100	100.0	209792	PASS
96	95	5	9	6.4	13499	PASS
173	174	0.00	2	0.7	1406	PASS
174	95	50	100	91.1	191125	PASS
175	174	5	9	7.4	14236	PASS
176	174	95	101	96.4	184149	PASS
177	176	5	9	6.4	11791	PASS

v27021.D v140107w.m Mon Jan 13 09:54:50 2014

Average of 12.203 to 12.216 min.: v27021.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	2004	51.10	15752	65.10	759	77.90	537
37.10	11510	52.05	670	67.00	626	78.95	8315
38.10	10225	55.00	667	68.00	27048	80.00	2153
39.10	4468	56.00	3992	69.00	26232	80.95	8106
39.95	171	57.05	7456	70.00	1944	81.95	1547
44.05	1100	58.05	218	72.05	1357	86.95	5523
45.10	2236	60.00	2405	73.05	10189	88.00	5481
47.00	2765	61.00	12345	74.00	42592	90.90	992
48.00	1505	62.00	11970	75.05	121291	92.00	7152
49.05	11026	63.05	9324	76.05	10307	93.00	10622
50.05	52283	64.05	973	77.00	1140	94.00	27403

Average of 12.203 to 12.216 min.: v27021.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	209792	116.95	1761	142.95	3259	173.10	1406
96.05	13499	117.95	946	144.90	321	173.95	191125
96.95	375	118.90	1574	145.80	275	175.00	14236
103.90	1168	127.95	914	147.95	635	176.00	184149
104.95	299	128.85	481	149.95	228	176.95	11791
105.80	388	129.85	1091	154.95	663	177.95	469
105.95	853	130.90	378	156.80	151		
110.90	111	134.95	528	156.95	334		
112.95	256	136.90	544	158.90	484		
115.00	122	141.00	3303	160.90	403		
115.95	927	141.90	283	171.95	1028		

Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
01/08/14 12:48

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26932.D
Acq On : 7 Jan 2014 12:30 pm
Operator : amym
Sample : ic1019-0.25
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 07 15:57:37 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.526	65	170213m	500.00	ug/L	0.00
4) pentafluorobenzene	6.564	168	534938	50.00	ug/L	0.00
43) 1,4-difluorobenzene	7.743	114	743840	50.00	ug/L	0.00
66) chlorobenzene-d5	11.080	82	388897	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	13.293	152	372870	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	0.000	113	0	0.00	ug/L	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
60) toluene-d8 (s)	9.553	98	3101	0.17	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.34%#		
82) bromofluorobenzene (s)	0.000	95	0d	0.00	ug/L	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
51) trichloroethene	8.035	95	1177	0.20	ug/L	78
67) tetrachloroethene	10.182	166	1246m	0.19	ug/L	

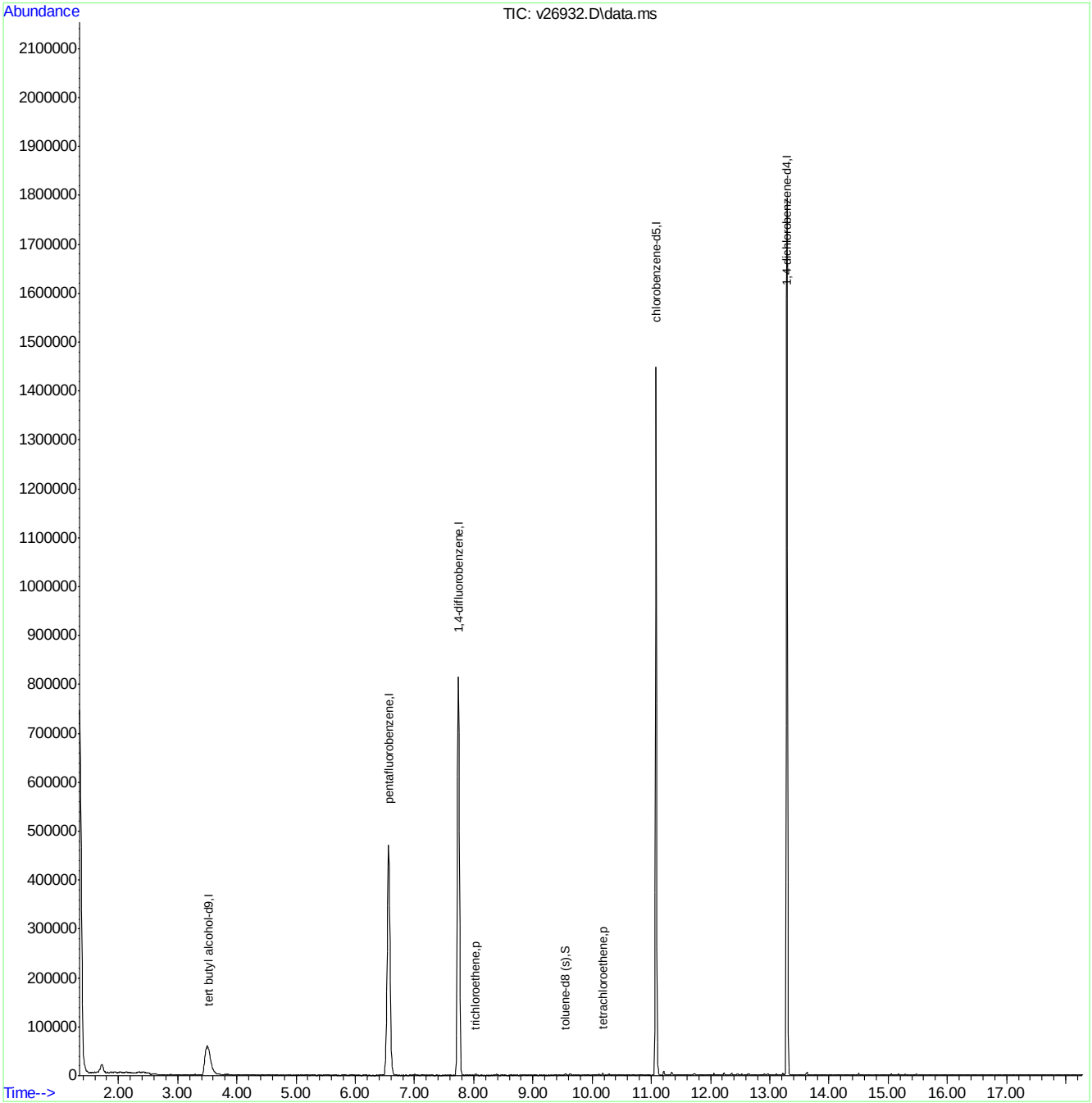
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26932.D
Acq On : 7 Jan 2014 12:30 pm
Operator : amym
Sample : ic1019-0.25
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 07 15:57:37 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26933.D
Acq On : 7 Jan 2014 12:56 pm
Operator : amym
Sample : ic1019-0.5
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 07 16:02:57 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration

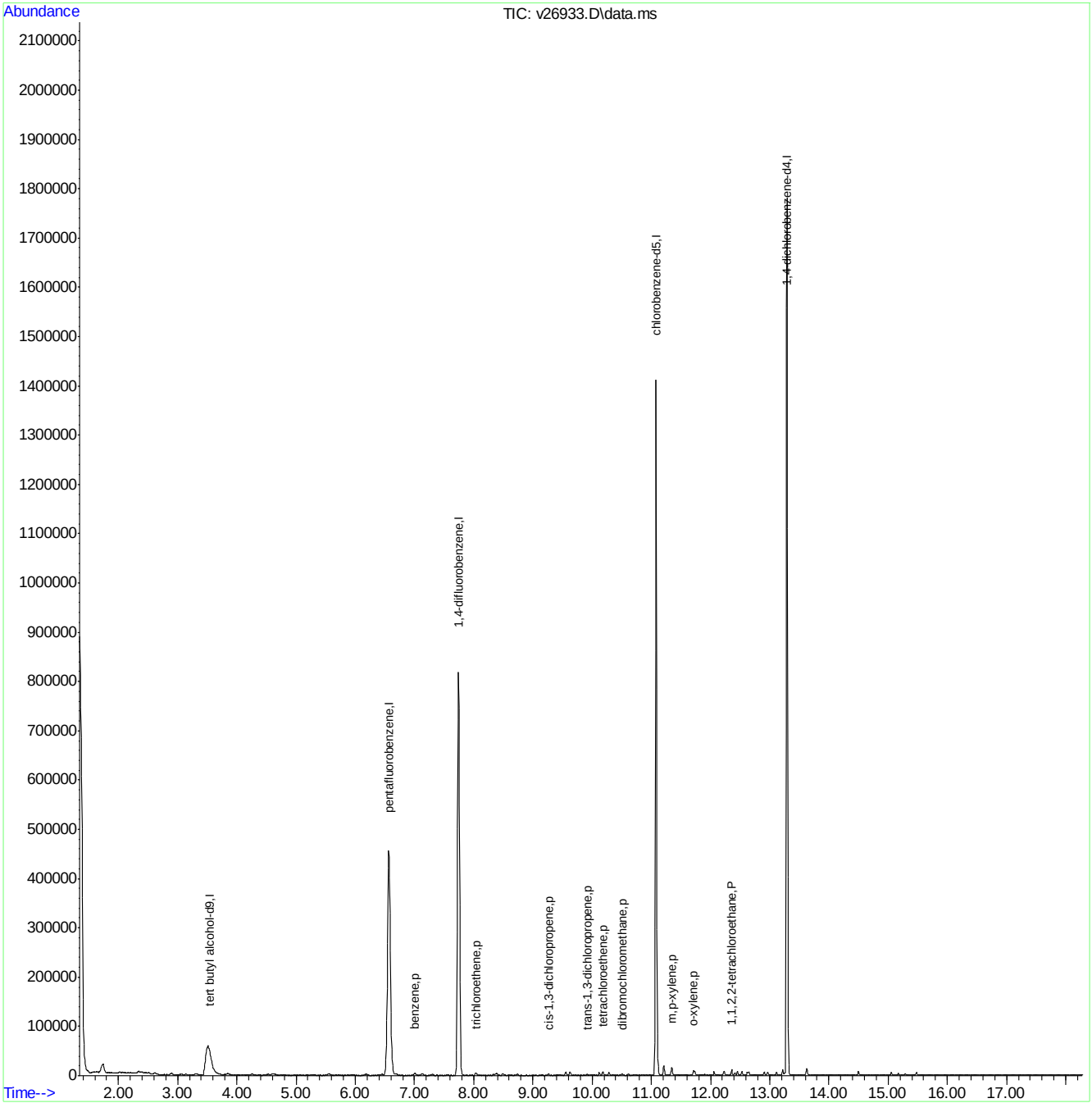
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.537	65	168993	500.00	ug/L	# 0.02
4) pentafluorobenzene	6.570	168	523782	50.00	ug/L	0.01
43) 1,4-difluorobenzene	7.745	114	715481	50.00	ug/L	0.00
66) chlorobenzene-d5	11.081	82	375635	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	13.293	152	375565	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	0.000	113	0d	0.00	ug/L	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
60) toluene-d8 (s)	0.000	98	0d	0.00	ug/L	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
82) bromofluorobenzene (s)	0.000	95	0d	0.00	ug/L	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
47) benzene	7.009	78	6962	0.37	ug/L	96
51) trichloroethene	8.036	95	2150	0.37	ug/L	80
59) cis-1,3-dichloropropene	9.264	75	2061	0.23	ug/L	50
63) trans-1,3-dichloropropene	9.916	75	1502	0.18	ug/L	50
67) tetrachloroethene	10.183	166	2295	0.36	ug/L	88
69) dibromochloromethane	10.504	129	2104	0.31	ug/L	68
75) m,p-xylene	11.345	106	4949	0.50	ug/L	92
76) o-xylene	11.712	106	2227	0.23	ug/L	91
84) 1,1,2,2-tetrachloroethane	12.358	83	2413	0.43	ug/L	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26933.D
Acq On : 7 Jan 2014 12:56 pm
Operator : amym
Sample : ic1019-0.5
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 07 16:02:57 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/08/14 12:48

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26934.D
Acq On : 7 Jan 2014 1:22 pm
Operator : amym
Sample : ic1019-1
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 07 16:06:15 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.527	65	169438	500.00	ug/L	#	0.00
4) pentafluorobenzene	6.565	168	527873	50.00	ug/L		0.00
43) 1,4-difluorobenzene	7.744	114	723207	50.00	ug/L		0.00
66) chlorobenzene-d5	11.080	82	378424	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.291	152	389004	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	0.000	113	0	0.00	ug/L		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
60) toluene-d8 (s)	0.000	98	0	0.00	ug/L		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
82) bromofluorobenzene (s)	0.000	95	0d	0.00	ug/L		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
5) dichlorodifluoromethane	1.558	85	22317	1.22	ug/L		81
6) chloromethane	1.633	50	14058m	1.06	ug/L		
7) vinyl chloride	1.747	62	14379	1.48	ug/L		60
8) bromomethane	2.046	96	8260	1.32	ug/L	#	60
9) chloroethane	2.125	64	4220m	1.00	ug/L		
10) ethyl ether	2.614	59	7364	1.37	ug/L		99
11) acetonitrile	3.309	41	10492	1.12	ug/L		76
12) trichlorofluoromethane	2.359	101	15489	1.14	ug/L		92
13) freon-113	2.904	101	7095	1.28	ug/L		90
14) acrolein	2.769	56	3918	4.69	ug/L		94
15) 1,1-dichloroethene	2.883	96	5960	1.14	ug/L		84
17) Methyl Acetate	3.291	43	8544	1.26	ug/L	#	89
18) methylene chloride	3.484	84	7539	1.39	ug/L	#	49
19) methyl tert butyl ether	3.835	73	11956	1.02	ug/L		96
20) acrylonitrile	3.791	53	1759	0.80	ug/L		83
21) allyl chloride	3.309	41	10492	1.12	ug/L		91
22) trans-1,2-dichloroethene	3.854	96	6407	1.26	ug/L	#	69
23) iodomethane	3.054	142	12388	1.14	ug/L		89
24) carbon disulfide	3.145	76	20942	1.30	ug/L		94
27) chloroprene	4.632	53	7986	0.85	ug/L		83
28) di-isopropyl ether	4.615	45	16586	0.90	ug/L		70
31) Hexane	4.258	41	6715	1.18	ug/L	#	64
32) 1,1-dichloroethane	4.524	63	13400	1.29	ug/L		89
33) tert-butyl ethyl ether	5.272	59	9029	0.78	ug/L		96
34) isobutyl alcohol	4.581	43	19437	4.92	ug/L		57
35) 2,2-dichloropropane	5.549	77	5155	0.94	ug/L		51
36) cis-1,2-dichloroethene	5.543	96	5490	1.05	ug/L	#	69
38) bromochloromethane	5.964	128	2885	1.02	ug/L	#	65
39) chloroform	6.177	83	13544	1.27	ug/L		96
42) 1,1,1-trichloroethane	6.420	97	9220	1.05	ug/L		68
44) Cyclohexane	6.552	56	19261	2.12	ug/L	#	45
45) carbon tetrachloride	6.681	117	9445	0.98	ug/L		92
46) 1,1-dichloropropene	6.685	75	9111	1.16	ug/L		96
47) benzene	7.005	78	20992	1.10	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26934.D
Acq On : 7 Jan 2014 1:22 pm
Operator : amym
Sample : ic1019-1
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 07 16:06:15 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration

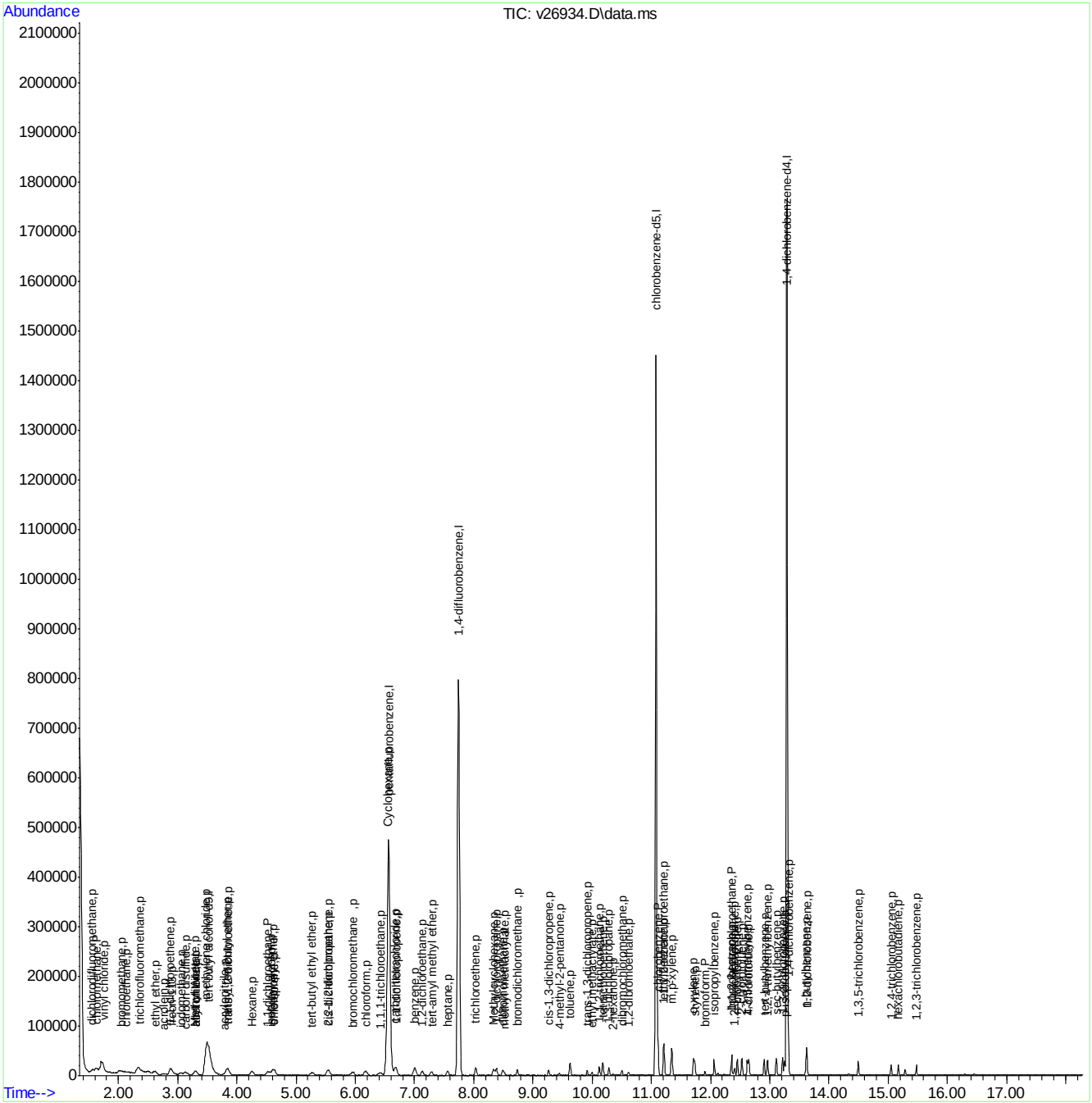
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,2-dichloroethane	7.131	62	11711	1.11	ug/L		79
49) tert-amyl methyl ether	7.289	73	7238	0.77	ug/L		91
50) heptane	7.560	43	4823	0.74	ug/L		74
51) trichloroethene	8.036	95	7078	1.21	ug/L		93
52) 1,2-dichloropropane	8.383	63	6216	1.07	ug/L		89
53) dibromomethane	8.488	93	4135	1.03	ug/L		97
54) bromodichloromethane	8.739	83	8272	0.95	ug/L		96
55) Methylcyclohexane	8.341	83	6008	0.85	ug/L	#	48
57) methyl methacrylate	8.516	69	2030	0.62	ug/L	#	71
59) cis-1,3-dichloropropene	9.265	75	5976	0.65	ug/L		94
61) 4-methyl-2-pentanone	9.448	43	3410	0.64	ug/L	#	78
62) toluene	9.628	92	9961	0.81	ug/L		96
63) trans-1,3-dichloropropene	9.916	75	5222	0.62	ug/L		90
64) 1,1,2-trichloroethane	10.121	83	4117	0.96	ug/L		98
65) ethyl methacrylate	9.996	69	2986	0.46	ug/L		95
67) tetrachloroethene	10.181	166	6792	1.05	ug/L		89
68) 1,3-dichloropropane	10.283	76	7492	0.92	ug/L		95
69) dibromochloromethane	10.503	129	5402	0.80	ug/L		89
70) 1,2-dibromoethane	10.613	107	4907	0.94	ug/L		99
71) 2-hexanone	10.354	43	2336	0.48	ug/L		79
72) chlorobenzene	11.109	112	17772	1.18	ug/L		94
73) 1,1,1,2-tetrachloroethane	11.208	131	5083	0.83	ug/L		97
74) ethylbenzene	11.214	91	24887	0.95	ug/L		89
75) m,p-xylene	11.345	106	16296	1.63	ug/L		98
76) o-xylene	11.711	106	7225	0.74	ug/L		94
77) styrene	11.733	104	10406	0.63	ug/L		99
78) bromoform	11.906	173	3805	0.76	ug/L		100
81) isopropylbenzene	12.063	105	18219	0.79	ug/L		94
83) bromobenzene	12.354	156	6337	0.98	ug/L	#	79
84) 1,1,2,2-tetrachloroethane	12.357	83	6922	1.19	ug/L		95
85) 1,2,3-trichloropropane	12.400	75	6904	1.05	ug/L		98
86) n-propylbenzene	12.452	91	21475	0.75	ug/L		93
87) 2-chlorotoluene	12.531	91	16099	0.89	ug/L		93
88) 4-chlorotoluene	12.643	91	18434	0.84	ug/L		90
89) 1,3,5-trimethylbenzene	12.621	105	14491	0.68	ug/L		99
90) tert-butylbenzene	12.907	91	9869	0.78	ug/L		92
91) 1,2,4-trimethylbenzene	12.962	105	15100	0.70	ug/L		99
92) sec-butylbenzene	13.110	105	19274	0.77	ug/L		96
93) 1,3-dichlorobenzene	13.218	146	13334	1.06	ug/L		98
94) p-isopropyltoluene	13.251	119	14517	0.67	ug/L		94
95) 1,4-dichlorobenzene	13.313	146	15335	1.18	ug/L		98
96) 1,2-dichlorobenzene	13.631	146	13643	1.07	ug/L		99
97) n-butylbenzene	13.616	91	15556	0.80	ug/L		95
99) 1,3,5-trichlorobenzene	14.497	180	8721	0.97	ug/L		93
100) 1,2,4-trichlorobenzene	15.053	180	7235	0.85	ug/L		96
101) hexachlorobutadiene	15.173	225	3980	1.11	ug/L		90
103) 1,2,3-trichlorobenzene	15.475	180	6752	0.87	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26934.D
Acq On : 7 Jan 2014 1:22 pm
Operator : amym
Sample : ic1019-1
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 07 16:06:15 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/08/14 12:48

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26935.D
Acq On : 7 Jan 2014 1:49 pm
Operator : amym
Sample : ic1019-2
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 07 16:08:44 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.533	65	165100	500.00	ug/L	#	0.01
4) pentafluorobenzene	6.569	168	548018	50.00	ug/L		0.01
43) 1,4-difluorobenzene	7.746	114	740735	50.00	ug/L		0.00
66) chlorobenzene-d5	11.080	82	395020	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.291	152	406249	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	0.000	113	0	0.00	ug/L		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
60) toluene-d8 (s)	0.000	98	0	0.00	ug/L		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
82) bromofluorobenzene (s)	0.000	95	0d	0.00	ug/L		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.634	59	8515	19.50	ug/L	#	62
3) Ethanol	2.563	45	24282m	217.16	ug/L		
5) dichlorodifluoromethane	1.573	85	36597m	1.92	ug/L		
6) chloromethane	1.640	50	27529m	2.00	ug/L		
7) vinyl chloride	1.759	62	23202	2.30	ug/L		54
8) bromomethane	2.056	96	16226	2.50	ug/L		90
9) chloroethane	2.152	64	9161m	2.09	ug/L		
10) ethyl ether	2.623	59	14320	2.57	ug/L		99
11) acetonitrile	3.318	41	18791	1.94	ug/L		94
12) trichlorofluoromethane	2.374	101	27063	1.91	ug/L		96
13) freon-113	2.913	101	11233	1.95	ug/L		85
14) acrolein	2.781	56	9150	10.55	ug/L		94
15) 1,1-dichloroethene	2.890	96	10520	1.93	ug/L	#	67
16) acetone	2.933	58	1515	1.52	ug/L	#	29
17) Methyl Acetate	3.303	43	16963	2.42	ug/L	#	85
18) methylene chloride	3.491	84	13112	2.32	ug/L	#	59
19) methyl tert butyl ether	3.844	73	23359	1.92	ug/L		97
20) acrylonitrile	3.801	53	4883	2.15	ug/L		96
21) allyl chloride	3.318	41	18792	1.94	ug/L		92
22) trans-1,2-dichloroethene	3.861	96	11617	2.20	ug/L	#	78
23) iodomethane	3.066	142	23658	2.10	ug/L		81
24) carbon disulfide	3.151	76	35149	2.11	ug/L		99
26) vinyl acetate	4.591	43	37719	1.84	ug/L		84
27) chloroprene	4.641	53	15430	1.58	ug/L		74
28) di-isopropyl ether	4.623	45	34072	1.79	ug/L		81
29) methacrylonitrile	5.930	41	6744	1.69	ug/L		94
31) Hexane	4.264	41	10822	1.83	ug/L	#	60
32) 1,1-dichloroethane	4.531	63	23800	2.21	ug/L		94
33) tert-butyl ethyl ether	5.280	59	18606	1.54	ug/L		87
34) isobutyl alcohol	4.591	43	37719	9.20	ug/L		64
35) 2,2-dichloropropane	5.554	77	10198	1.80	ug/L		99
36) cis-1,2-dichloroethene	5.549	96	10756	1.99	ug/L		83
37) ethyl acetate	4.590	43	37720m	1.84	ug/L		
38) bromochloromethane	5.967	128	6003	2.04	ug/L	#	63

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26935.D
Acq On : 7 Jan 2014 1:49 pm
Operator : amym
Sample : ic1019-2
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 07 16:08:44 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) chloroform	6.182	83	26904	2.43	ug/L		94
41) Tetrahydrofuran	5.979	42	2498	1.68	ug/L	#	30
42) 1,1,1-trichloroethane	6.426	97	17472	1.92	ug/L		95
44) Cyclohexane	6.552	56	23508	2.53	ug/L	#	45
45) carbon tetrachloride	6.678	117	17081	1.72	ug/L		84
46) 1,1-dichloropropene	6.691	75	14685	1.83	ug/L		96
47) benzene	7.008	78	39003	1.99	ug/L		88
48) 1,2-dichloroethane	7.134	62	23996	2.22	ug/L		92
49) tert-amyl methyl ether	7.293	73	13957	1.44	ug/L		84
50) heptane	7.563	43	8119	1.22	ug/L		93
51) trichloroethene	8.038	95	12337	2.06	ug/L		80
52) 1,2-dichloropropane	8.385	63	11681	1.96	ug/L		89
53) dibromomethane	8.489	93	8221	2.01	ug/L		96
54) bromodichloromethane	8.739	83	15438	1.73	ug/L		95
55) Methylcyclohexane	8.343	83	10252	1.41	ug/L		91
57) methyl methacrylate	8.518	69	4394	1.30	ug/L	#	78
59) cis-1,3-dichloropropene	9.265	75	12567	1.34	ug/L		98
61) 4-methyl-2-pentanone	9.449	43	6719	1.22	ug/L	#	78
62) toluene	9.629	92	19162	1.53	ug/L		95
63) trans-1,3-dichloropropene	9.916	75	10244	1.18	ug/L		93
64) 1,1,2-trichloroethane	10.122	83	7941	1.82	ug/L		99
65) ethyl methacrylate	9.997	69	6527	0.99	ug/L		80
67) tetrachloroethene	10.181	166	12256	1.82	ug/L		90
68) 1,3-dichloropropane	10.284	76	15077	1.78	ug/L		99
69) dibromochloromethane	10.504	129	10531	1.50	ug/L		94
70) 1,2-dibromoethane	10.613	107	9330	1.70	ug/L		98
71) 2-hexanone	10.356	43	4965	0.98	ug/L		77
72) chlorobenzene	11.109	112	32979	2.10	ug/L		89
73) 1,1,1,2-tetrachloroethane	11.208	131	11521	1.80	ug/L		94
74) ethylbenzene	11.214	91	45591	1.66	ug/L		95
75) m,p-xylene	11.345	106	32795	3.15	ug/L		91
76) o-xylene	11.711	106	14210	1.39	ug/L		95
77) styrene	11.732	104	22527	1.30	ug/L		89
78) bromoform	11.906	173	7094	1.35	ug/L		96
81) isopropylbenzene	12.063	105	37256	1.55	ug/L		95
83) bromobenzene	12.354	156	12217	1.81	ug/L	#	77
84) 1,1,2,2-tetrachloroethane	12.357	83	12482	2.06	ug/L		94
85) 1,2,3-trichloropropane	12.400	75	13669	1.99	ug/L		95
86) n-propylbenzene	12.452	91	44918	1.50	ug/L		88
87) 2-chlorotoluene	12.530	91	34396	1.82	ug/L		92
88) 4-chlorotoluene	12.642	91	40982	1.78	ug/L		93
89) 1,3,5-trimethylbenzene	12.621	105	32867	1.48	ug/L		91
90) tert-butylbenzene	12.907	91	19868	1.50	ug/L		91
91) 1,2,4-trimethylbenzene	12.962	105	33292	1.48	ug/L		99
92) sec-butylbenzene	13.110	105	37334	1.43	ug/L		98
93) 1,3-dichlorobenzene	13.218	146	27761	2.10	ug/L		96
94) p-isopropyltoluene	13.251	119	30833	1.36	ug/L		96
95) 1,4-dichlorobenzene	13.313	146	28980	2.13	ug/L		99
96) 1,2-dichlorobenzene	13.630	146	26739	2.00	ug/L		97
97) n-butylbenzene	13.616	91	27801	1.37	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26935.D
Acq On : 7 Jan 2014 1:49 pm
Operator : amym
Sample : ic1019-2
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 07 16:08:44 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration

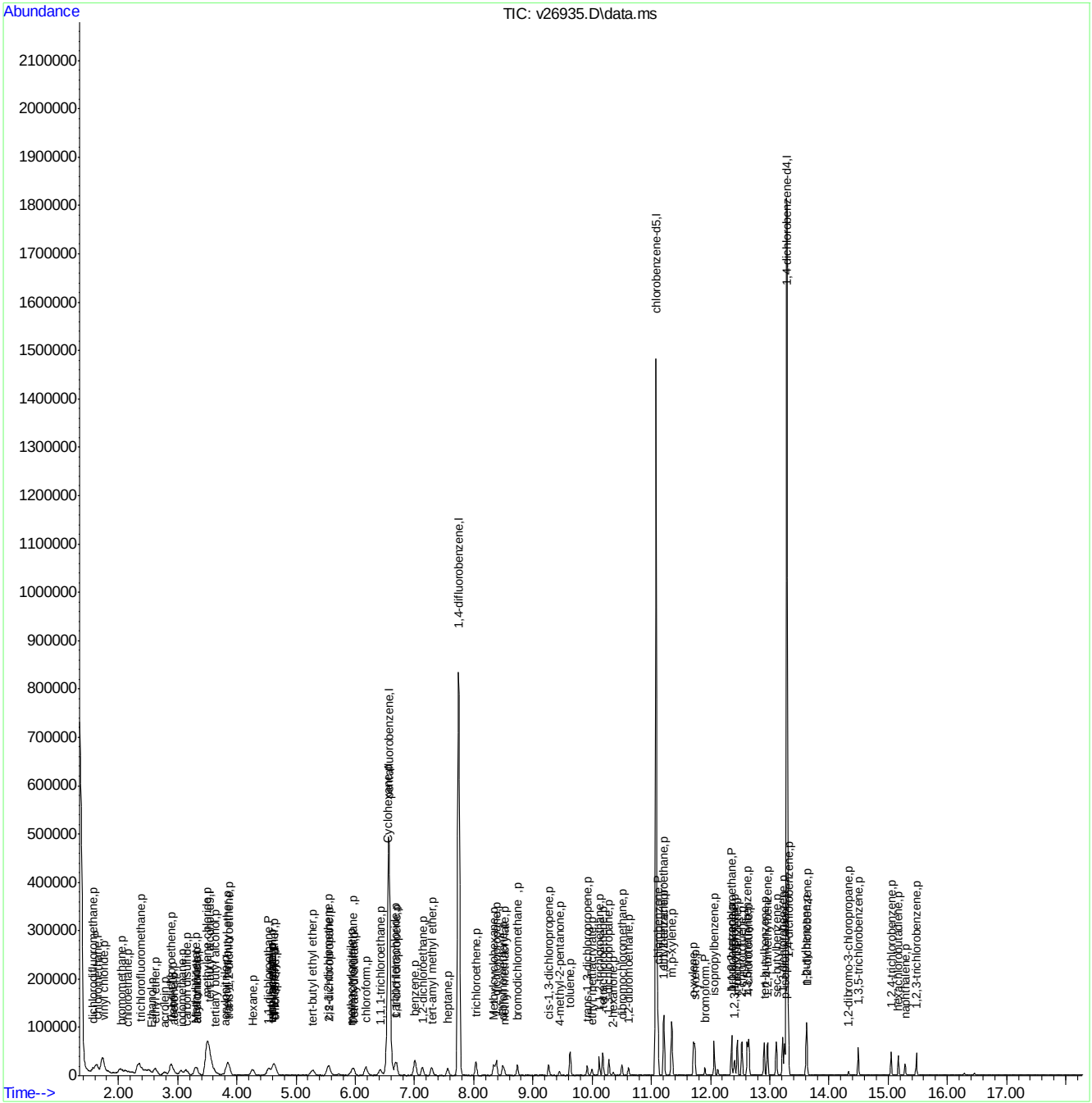
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 1,2-dibromo-3-chloropr...	14.331	75	1927	1.68	ug/L	73
99) 1,3,5-trichlorobenzene	14.496	180	17227	1.83	ug/L	99
100) 1,2,4-trichlorobenzene	15.052	180	13619	1.54	ug/L	98
101) hexachlorobutadiene	15.173	225	7699	2.05	ug/L	95
102) naphthalene	15.286	128	16665	1.01	ug/L	100
103) 1,2,3-trichlorobenzene	15.476	180	13314	1.65	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26935.D
Acq On : 7 Jan 2014 1:49 pm
Operator : amym
Sample : ic1019-2
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 07 16:08:44 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/08/14 12:48

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26936.D
Acq On : 7 Jan 2014 2:16 pm
Operator : amym
Sample : ic1019-5
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 07 16:09:56 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.532	65	174193	500.00	ug/L	#	0.01
4) pentafluorobenzene	6.565	168	569520	50.00	ug/L		0.00
43) 1,4-difluorobenzene	7.743	114	755736	50.00	ug/L		0.00
66) chlorobenzene-d5	11.078	82	399763	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.290	152	421690	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	6.449	113	27043	4.39	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	8.78%#			
60) toluene-d8 (s)	9.552	98	65894	3.53	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	7.06%#			
82) bromofluorobenzene (s)	12.227	95	30562	4.06	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	8.12%#			
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.637	59	20294	44.05	ug/L	#	60
3) Ethanol	2.590	45	63651m	539.54	ug/L		
5) dichlorodifluoromethane	1.569	85	90624	4.58	ug/L		97
6) chloromethane	1.654	50	66847	4.68	ug/L		95
7) vinyl chloride	1.762	62	56792	5.42	ug/L		87
8) bromomethane	2.059	96	33974	5.03	ug/L		99
9) chloroethane	2.173	64	26756	5.86	ug/L		98
10) ethyl ether	2.625	59	28723	4.95	ug/L		91
11) acetonitrile	3.318	41	41352	4.10	ug/L		95
12) trichlorofluoromethane	2.379	101	72704	4.95	ug/L		98
13) freon-113	2.926	101	25639	4.27	ug/L		93
14) acrolein	2.784	56	19270	21.38	ug/L		84
15) 1,1-dichloroethene	2.898	96	23248	4.11	ug/L	#	75
16) acetone	2.934	58	3584	3.45	ug/L		92
17) Methyl Acetate	3.302	43	37623	5.16	ug/L	#	92
18) methylene chloride	3.496	84	30394	5.18	ug/L	#	71
19) methyl tert butyl ether	3.843	73	51492	4.07	ug/L		96
20) acrylonitrile	3.801	53	11139	4.72	ug/L		81
21) allyl chloride	3.318	41	41352	4.10	ug/L		86
22) trans-1,2-dichloroethene	3.860	96	25303	4.61	ug/L	#	71
23) iodomethane	3.071	142	51972	4.43	ug/L		84
24) carbon disulfide	3.151	76	73012	4.21	ug/L		99
25) propionitrile	5.666	54	3657	4.31	ug/L		100
26) vinyl acetate	4.587	43	88915	4.17	ug/L		84
27) chloroprene	4.638	53	38728	3.81	ug/L		71
28) di-isopropyl ether	4.623	45	82030	4.14	ug/L		82
29) methacrylonitrile	5.927	41	16119	3.90	ug/L		94
30) 2-butanone	5.542	72	2000	2.74	ug/L	#	47
31) Hexane	4.266	41	23292	3.80	ug/L	#	64
32) 1,1-dichloroethane	4.532	63	52822	4.73	ug/L		95
33) tert-butyl ethyl ether	5.279	59	44057	3.51	ug/L		90
34) isobutyl alcohol	4.587	43	88915	20.87	ug/L		75
35) 2,2-dichloropropane	5.553	77	21183	3.59	ug/L		94
36) cis-1,2-dichloroethene	5.548	96	24841	4.42	ug/L	#	69

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26936.D
Acq On : 7 Jan 2014 2:16 pm
Operator : amym
Sample : ic1019-5
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 07 16:09:56 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.584	43	88921m	4.18	ug/L		
38) bromochloromethane	5.966	128	14032	4.60	ug/L	#	64
39) chloroform	6.181	83	55445	4.81	ug/L		97
41) Tetrahydrofuran	5.968	42	6048	3.92	ug/L		84
42) 1,1,1-trichloroethane	6.423	97	37692	3.98	ug/L		90
44) Cyclohexane	6.544	56	41038	4.33	ug/L	#	63
45) carbon tetrachloride	6.680	117	35952	3.56	ug/L		97
46) 1,1-dichloropropene	6.687	75	31860	3.90	ug/L		92
47) benzene	7.005	78	85289	4.27	ug/L		99
48) 1,2-dichloroethane	7.130	62	52152	4.73	ug/L		94
49) tert-amyl methyl ether	7.292	73	30638	3.10	ug/L		72
50) heptane	7.559	43	18846	2.78	ug/L		83
51) trichloroethene	8.034	95	26447	4.33	ug/L		87
52) 1,2-dichloropropane	8.382	63	26297	4.32	ug/L		99
53) dibromomethane	8.487	93	18280	4.38	ug/L		88
54) bromodichloromethane	8.737	83	36454	3.99	ug/L		93
55) Methylcyclohexane	8.341	83	21280	2.88	ug/L	#	75
56) 2-chloroethyl vinyl ether	9.111	63	549m	1.55	ug/L		
57) methyl methacrylate	8.514	69	10990	3.19	ug/L	#	77
58) 1,4-dioxane	8.498	88	282m	5.64	ug/L		
59) cis-1,3-dichloropropene	9.263	75	28579	2.98	ug/L		92
61) 4-methyl-2-pentanone	9.447	43	17228	3.08	ug/L		87
62) toluene	9.627	92	49504	3.87	ug/L		97
63) trans-1,3-dichloropropene	9.914	75	25982	2.93	ug/L		91
64) 1,1,2-trichloroethane	10.120	83	19246	4.31	ug/L		98
65) ethyl methacrylate	9.995	69	16821	2.49	ug/L		72
67) tetrachloroethene	10.180	166	28109	4.12	ug/L		99
68) 1,3-dichloropropane	10.282	76	35808	4.18	ug/L		97
69) dibromochloromethane	10.502	129	25213	3.54	ug/L		96
70) 1,2-dibromoethane	10.611	107	23119	4.17	ug/L		93
71) 2-hexanone	10.355	43	13476	2.62	ug/L		79
72) chlorobenzene	11.108	112	71381	4.48	ug/L		93
73) 1,1,1,2-tetrachloroethane	11.207	131	24643	3.80	ug/L		95
74) ethylbenzene	11.213	91	107396	3.87	ug/L		94
75) m,p-xylene	11.344	106	77873	7.40	ug/L		92
76) o-xylene	11.711	106	34039	3.28	ug/L		86
77) styrene	11.732	104	59431	3.39	ug/L		86
78) bromoform	11.905	173	17184	3.24	ug/L		99
79) trans-1,4-dichloro-2-b...	12.122	53	7706m	2.87	ug/L		
81) isopropylbenzene	12.063	105	89778	3.60	ug/L		97
83) bromobenzene	12.353	156	30178	4.32	ug/L		86
84) 1,1,2,2-tetrachloroethane	12.357	83	29624	4.71	ug/L		97
85) 1,2,3-trichloropropane	12.398	75	34458	4.84	ug/L		90
86) n-propylbenzene	12.451	91	117174	3.77	ug/L		91
87) 2-chlorotoluene	12.530	91	83597	4.27	ug/L		94
88) 4-chlorotoluene	12.641	91	101839	4.26	ug/L		98
89) 1,3,5-trimethylbenzene	12.621	105	84680	3.67	ug/L		95
90) tert-butylbenzene	12.907	91	48847	3.54	ug/L		84
91) 1,2,4-trimethylbenzene	12.961	105	88997	3.82	ug/L		96
92) sec-butylbenzene	13.110	105	96846	3.57	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26936.D
Acq On : 7 Jan 2014 2:16 pm
Operator : amym
Sample : ic1019-5
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 07 16:09:56 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration

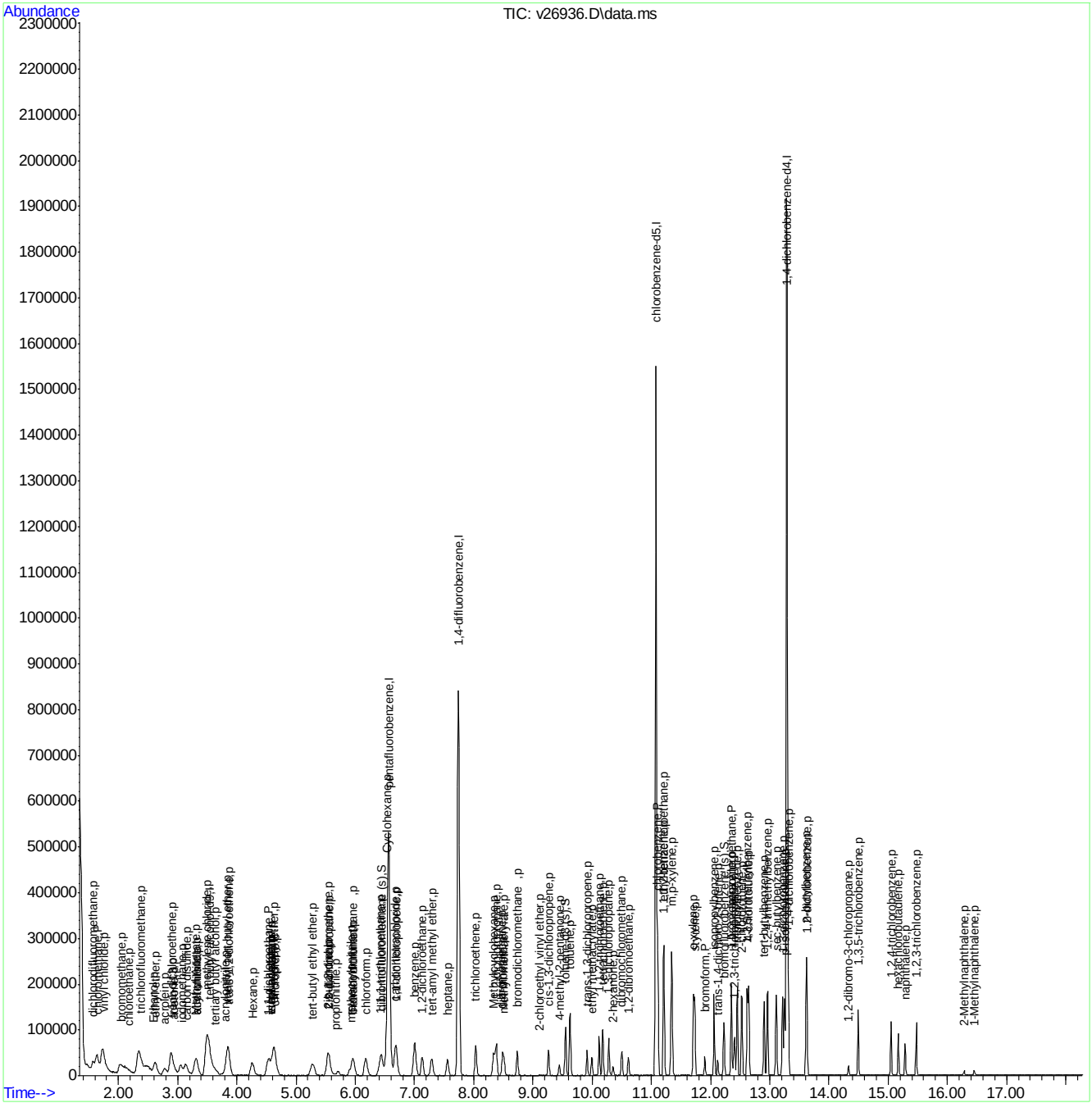
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	13.217	146	59970	4.38	ug/L		98
94) p-isopropyltoluene	13.251	119	79250	3.37	ug/L		96
95) 1,4-dichlorobenzene	13.312	146	62128	4.40	ug/L		98
96) 1,2-dichlorobenzene	13.630	146	60061	4.34	ug/L		98
97) n-butylbenzene	13.616	91	68689	3.26	ug/L		92
98) 1,2-dibromo-3-chloropr...	14.331	75	4257	3.57	ug/L	#	71
99) 1,3,5-trichlorobenzene	14.496	180	38208	3.91	ug/L		97
100) 1,2,4-trichlorobenzene	15.052	180	31657	3.44	ug/L		98
101) hexachlorobutadiene	15.173	225	16396	4.20	ug/L		94
102) naphthalene	15.286	128	44646	2.59	ug/L		100
103) 1,2,3-trichlorobenzene	15.475	180	32198	3.84	ug/L		99
104) 2-Methylnaphthalene	16.285	142	5262	0.78	ug/L		91
105) 1-Methylnaphthalene	16.454	142	4762	0.84	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26936.D
Acq On : 7 Jan 2014 2:16 pm
Operator : amym
Sample : ic1019-5
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 07 16:09:56 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/08/14 12:48

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26937.D
Acq On : 7 Jan 2014 2:42 pm
Operator : amym
Sample : ic1019-10
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 16:10:47 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.523	65	172384	500.00	ug/L	#	0.00
4) pentafluorobenzene	6.556	168	598014	50.00	ug/L		0.00
43) 1,4-difluorobenzene	7.737	114	769782	50.00	ug/L		0.00
66) chlorobenzene-d5	11.077	82	409567	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.289	152	431158	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	6.441	113	59137	9.15	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 18.30%#				
60) toluene-d8 (s)	9.548	98	157897	8.29	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 16.58%#				
82) bromofluorobenzene (s)	12.225	95	72600	9.43	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 18.86%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.627	59	44350	97.27	ug/L	#	59
3) Ethanol	2.590	45	139298m	1193.16	ug/L		
5) dichlorodifluoromethane	1.572	85	200114	9.64	ug/L		99
6) chloromethane	1.639	50	146605	9.77	ug/L		96
7) vinyl chloride	1.752	62	111312	10.11	ug/L		100
8) bromomethane	2.048	96	76049	10.73	ug/L		99
9) chloroethane	2.155	64	52409	10.93	ug/L		99
10) ethyl ether	2.613	59	68805	11.29	ug/L		90
11) acetonitrile	3.306	41	104819	9.90	ug/L		94
12) trichlorofluoromethane	2.363	101	148508	9.62	ug/L		99
13) freon-113	2.923	101	65634	10.42	ug/L		95
14) acrolein	2.772	56	45123	47.68	ug/L		96
15) 1,1-dichloroethene	2.889	96	60682	10.22	ug/L	#	65
16) acetone	2.922	58	8164	7.49	ug/L		94
17) Methyl Acetate	3.291	43	84764	11.07	ug/L	#	90
18) methylene chloride	3.482	84	69405	11.26	ug/L	#	69
19) methyl tert butyl ether	3.830	73	124870	9.39	ug/L		95
20) acrylonitrile	3.791	53	26358	10.63	ug/L		100
21) allyl chloride	3.306	41	104631	9.88	ug/L		85
22) trans-1,2-dichloroethene	3.848	96	60227	10.45	ug/L	#	77
23) iodomethane	3.055	142	130528	10.59	ug/L		89
24) carbon disulfide	3.134	76	183532	10.08	ug/L		98
25) propionitrile	5.654	54	8755	9.82	ug/L		100
26) vinyl acetate	4.574	43	213099	9.53	ug/L		91
27) chloroprene	4.626	53	103215	9.66	ug/L		77
28) di-isopropyl ether	4.610	45	209251	10.07	ug/L		85
29) methacrylonitrile	5.918	41	39767	9.15	ug/L		86
30) 2-butanone	5.531	72	5563	7.26	ug/L	#	27
31) Hexane	4.252	41	58836	9.14	ug/L	#	65
32) 1,1-dichloroethane	4.519	63	127298	10.86	ug/L		99
33) tert-butyl ethyl ether	5.268	59	113342	8.60	ug/L		95
34) isobutyl alcohol	4.574	43	213099	47.63	ug/L		75
35) 2,2-dichloropropane	5.542	77	56390	9.10	ug/L		89
36) cis-1,2-dichloroethene	5.539	96	61500	10.43	ug/L	#	78

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26937.D
Acq On : 7 Jan 2014 2:42 pm
Operator : amym
Sample : ic1019-10
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 16:10:47 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.577	43	213101m	9.53	ug/L		
38) bromochloromethane	5.958	128	33487	10.45	ug/L	#	66
39) chloroform	6.172	83	131292	10.85	ug/L		98
41) Tetrahydrofuran	5.958	42	15023	9.26	ug/L		83
42) 1,1,1-trichloroethane	6.416	97	97033	9.76	ug/L		92
44) Cyclohexane	6.532	56	89539	9.26	ug/L	#	81
45) carbon tetrachloride	6.672	117	91689	8.90	ug/L		99
46) 1,1-dichloropropene	6.680	75	79077	9.49	ug/L		96
47) benzene	6.998	78	205223	10.08	ug/L		99
48) 1,2-dichloroethane	7.123	62	119534	10.64	ug/L		93
49) tert-amyl methyl ether	7.285	73	81810	8.14	ug/L		89
50) heptane	7.554	43	52107	7.54	ug/L		87
51) trichloroethene	8.029	95	60760	9.76	ug/L		86
52) 1,2-dichloropropane	8.377	63	62960	10.14	ug/L		100
53) dibromomethane	8.482	93	42529	10.00	ug/L		95
54) bromodichloromethane	8.733	83	87896	9.45	ug/L		98
55) Methylcyclohexane	8.338	83	58659	7.78	ug/L	#	78
56) 2-chloroethyl vinyl ether	9.109	63	1680	4.66	ug/L		91
57) methyl methacrylate	8.511	69	26575	7.57	ug/L	#	70
58) 1,4-dioxane	8.487	88	1263	24.80	ug/L		93
59) cis-1,3-dichloropropene	9.260	75	75701	7.76	ug/L		90
61) 4-methyl-2-pentanone	9.445	43	44200	7.75	ug/L		87
62) toluene	9.624	92	127600	9.78	ug/L		98
63) trans-1,3-dichloropropene	9.912	75	69026	7.65	ug/L		90
64) 1,1,2-trichloroethane	10.118	83	44877	9.88	ug/L		98
65) ethyl methacrylate	9.993	69	48123	7.00	ug/L		78
67) tetrachloroethene	10.177	166	65947	9.44	ug/L		97
68) 1,3-dichloropropane	10.280	76	85456	9.75	ug/L		96
69) dibromochloromethane	10.500	129	62464	8.56	ug/L		100
70) 1,2-dibromoethane	10.609	107	52489	9.24	ug/L		97
71) 2-hexanone	10.353	43	32834	6.23	ug/L		84
72) chlorobenzene	11.106	112	166743	10.22	ug/L		94
73) 1,1,1,2-tetrachloroethane	11.206	131	61364	9.23	ug/L		94
74) ethylbenzene	11.211	91	264683	9.31	ug/L		97
75) m,p-xylene	11.342	106	199566	18.50	ug/L		90
76) o-xylene	11.710	106	91834	8.64	ug/L		89
77) styrene	11.730	104	156295	8.69	ug/L		89
78) bromoform	11.904	173	39954	7.35	ug/L		97
79) trans-1,4-dichloro-2-b...	12.121	53	19092	6.95	ug/L	#	62
81) isopropylbenzene	12.061	105	243460	9.54	ug/L		95
83) bromobenzene	12.351	156	74768	10.46	ug/L		85
84) 1,1,2,2-tetrachloroethane	12.356	83	68802	10.70	ug/L		98
85) 1,2,3-trichloropropane	12.397	75	82020	11.27	ug/L		99
86) n-propylbenzene	12.450	91	313019	9.86	ug/L		95
87) 2-chlorotoluene	12.529	91	206669	10.33	ug/L		94
88) 4-chlorotoluene	12.640	91	250007	10.22	ug/L		94
89) 1,3,5-trimethylbenzene	12.620	105	222952	9.46	ug/L		96
90) tert-butylbenzene	12.906	91	129542	9.19	ug/L		89
91) 1,2,4-trimethylbenzene	12.959	105	233225	9.79	ug/L		95
92) sec-butylbenzene	13.108	105	256265	9.24	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26937.D
Acq On : 7 Jan 2014 2:42 pm
Operator : amym
Sample : ic1019-10
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 16:10:47 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration

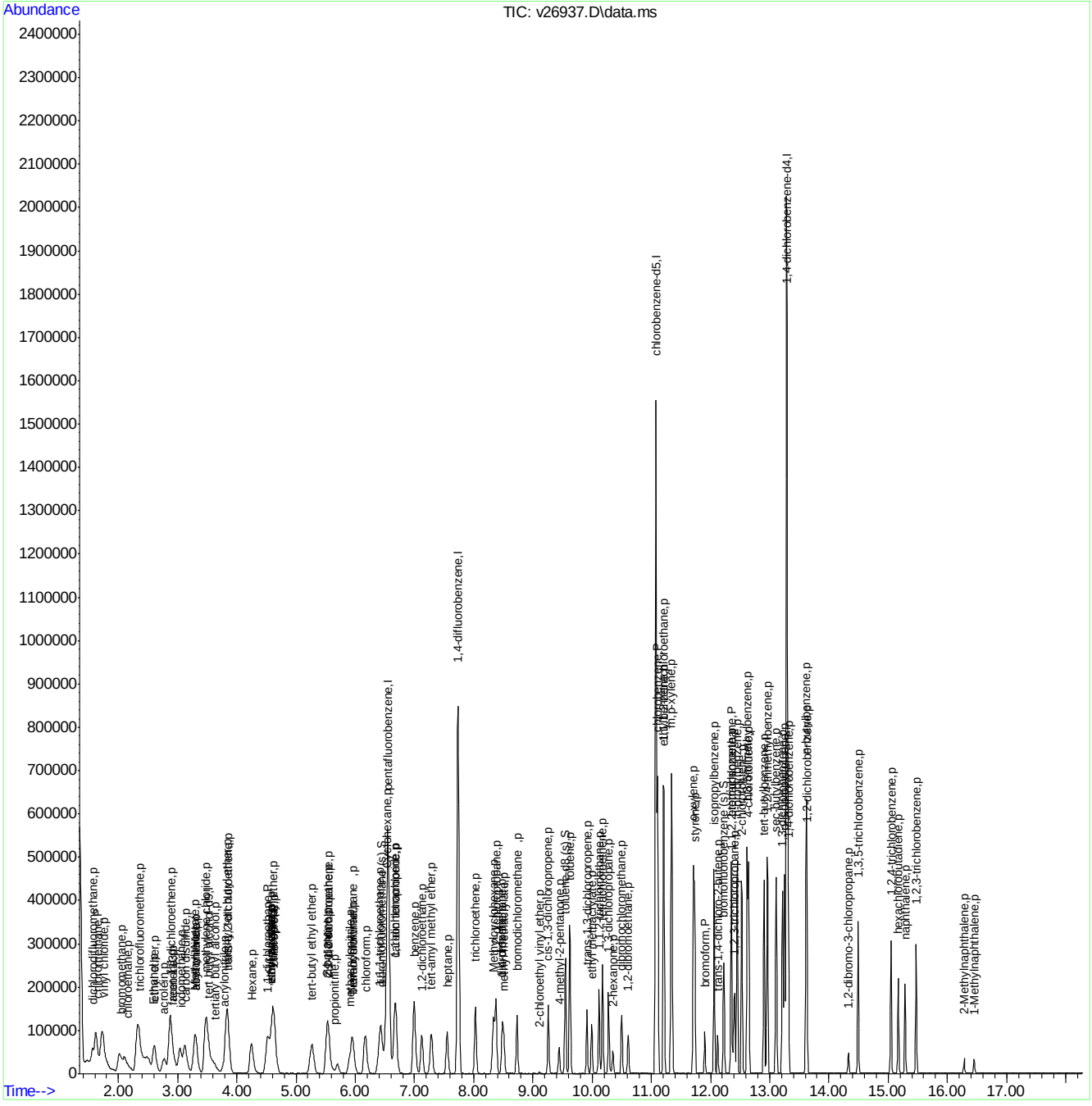
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	13.216	146	142501	10.18	ug/L	98
94) p-isopropyltoluene	13.250	119	217901	9.07	ug/L	95
95) 1,4-dichlorobenzene	13.311	146	145233	10.05	ug/L	98
96) 1,2-dichlorobenzene	13.629	146	143495	10.14	ug/L	99
97) n-butylbenzene	13.615	91	190234	8.82	ug/L	95
98) 1,2-dibromo-3-chloropr...	14.330	75	10420	8.54	ug/L	77
99) 1,3,5-trichlorobenzene	14.495	180	97546	9.76	ug/L	99
100) 1,2,4-trichlorobenzene	15.051	180	84444	8.97	ug/L	97
101) hexachlorobutadiene	15.172	225	39148	9.81	ug/L	96
102) naphthalene	15.285	128	131811	7.49	ug/L	100
103) 1,2,3-trichlorobenzene	15.474	180	84236	9.83	ug/L	100
104) 2-Methylnaphthalene	16.283	142	16186	2.35	ug/L	96
105) 1-Methylnaphthalene	16.453	142	14960	2.57	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26937.D
Acq On : 7 Jan 2014 2:42 pm
Operator : amym
Sample : ic1019-10
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 16:10:47 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration



V26938.D

Manual Integrations APPROVED (compounds with "m" flag)

Amy Min Yang 01/13/14 08:57

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26938.D
Acq On : 7 Jan 2014 3:08 pm
Operator : amym
Sample : icc1019-50
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 07 16:13:53 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.524	65	196490	500.00	ug/L	#	0.00
4) pentafluorobenzene	6.559	168	650576	50.00	ug/L		0.00
43) 1,4-difluorobenzene	7.739	114	823932	50.00	ug/L		0.00
66) chlorobenzene-d5	11.076	82	438367	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.290	152	485985	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	6.444	113	373779	53.14	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.28%				
60) toluene-d8 (s)	9.549	98	1057010	51.87	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.74%				
82) bromofluorobenzene (s)	12.226	95	473291	54.52	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.04%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.629	59	242861	467.31	ug/L	#	73
3) Ethanol	2.590	45	670855m	5041.25	ug/L		
5) dichlorodifluoromethane	1.583	85	1154856	51.13	ug/L		99
6) chloromethane	1.628	50	830750	50.89	ug/L		97
7) vinyl chloride	1.753	62	603309	50.37	ug/L		99
8) bromomethane	2.047	96	393298	51.00	ug/L		95
9) chloroethane	2.155	64	264750	50.76	ug/L		95
10) ethyl ether	2.615	59	328390	49.55	ug/L		87
11) acetonitrile	3.308	41	550324	47.79	ug/L		98
12) trichlorofluoromethane	2.371	101	855627	50.96	ug/L		100
13) freon-113	2.945	101	343854	50.16	ug/L		92
14) acrolein	2.772	56	256865	249.50	ug/L		97
15) 1,1-dichloroethene	2.897	96	319843	49.49	ug/L	#	68
16) acetone	2.928	58	69778	58.82	ug/L	#	66
17) Methyl Acetate	3.290	43	412155	49.48	ug/L	#	91
18) methylene chloride	3.485	84	327457	48.84	ug/L	#	72
19) methyl tert butyl ether	3.832	73	681408	47.12	ug/L		95
20) acrylonitrile	3.790	53	133344	49.43	ug/L		96
21) allyl chloride	3.308	41	550324	47.79	ug/L		86
22) trans-1,2-dichloroethene	3.850	96	302005	48.16	ug/L	#	78
23) iodomethane	3.058	142	644723	48.10	ug/L		91
24) carbon disulfide	3.138	76	977996	49.36	ug/L		100
25) propionitrile	5.655	54	46376	47.80	ug/L		100
26) vinyl acetate	4.574	43	1160139	47.67	ug/L		95
27) chloroprene	4.629	53	562005	48.35	ug/L		78
28) di-isopropyl ether	4.613	45	1089131	48.17	ug/L		89
29) methacrylonitrile	5.920	41	225753	47.76	ug/L		81
30) 2-butanone	5.536	72	44639	53.53	ug/L	#	47
31) Hexane	4.256	41	348563	49.77	ug/L	#	81
32) 1,1-dichloroethane	4.522	63	620709	48.66	ug/L		99
33) tert-butyl ethyl ether	5.271	59	665115	46.41	ug/L		94
34) isobutyl alcohol	4.574	43	1160171	238.38	ug/L		95
35) 2,2-dichloropropane	5.545	77	316811	47.01	ug/L		94
36) cis-1,2-dichloroethene	5.540	96	306073	47.70	ug/L	#	79

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26938.D
Acq On : 7 Jan 2014 3:08 pm
Operator : amym
Sample : icc1019-50
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 07 16:13:53 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.570	43	1159829m	47.68	ug/L		
38) bromochloromethane	5.959	128	166635	47.79	ug/L	#	72
39) chloroform	6.175	83	641334	48.73	ug/L		100
41) Tetrahydrofuran	5.961	42	83507	47.32	ug/L		77
42) 1,1,1-trichloroethane	6.419	97	516532	47.77	ug/L		93
44) Cyclohexane	6.541	56	506240	48.94	ug/L		90
45) carbon tetrachloride	6.675	117	521475	47.32	ug/L		96
46) 1,1-dichloropropene	6.684	75	420993	47.21	ug/L		94
47) benzene	7.002	78	1034726	47.47	ug/L		99
48) 1,2-dichloroethane	7.127	62	584249	48.61	ug/L		93
49) tert-amyl methyl ether	7.286	73	485214	45.08	ug/L		90
50) heptane	7.556	43	351031	47.46	ug/L		85
51) trichloroethene	8.032	95	314742	47.23	ug/L		90
52) 1,2-dichloropropane	8.379	63	316763	47.68	ug/L		98
53) dibromomethane	8.484	93	218242	47.92	ug/L		94
54) bromodichloromethane	8.734	83	461182	46.34	ug/L		99
55) Methylcyclohexane	8.339	83	381216	47.24	ug/L	#	85
56) 2-chloroethyl vinyl ether	9.109	63	16557	42.89	ug/L		91
57) methyl methacrylate	8.511	69	165701	44.10	ug/L	#	70
58) 1,4-dioxane	8.502	88	12264	224.94	ug/L		83
59) cis-1,3-dichloropropene	9.261	75	462396	44.27	ug/L		91
61) 4-methyl-2-pentanone	9.445	43	284755	46.64	ug/L		90
62) toluene	9.625	92	647794	46.39	ug/L		97
63) trans-1,3-dichloropropene	9.912	75	423722	43.85	ug/L		90
64) 1,1,2-trichloroethane	10.118	83	227460	46.77	ug/L		97
65) ethyl methacrylate	9.992	69	327086	44.46	ug/L		78
67) tetrachloroethene	10.178	166	351925	47.05	ug/L		99
68) 1,3-dichloropropane	10.280	76	440485	46.94	ug/L		100
69) dibromochloromethane	10.500	129	352295	45.09	ug/L		98
70) 1,2-dibromoethane	10.609	107	280511	46.14	ug/L		98
71) 2-hexanone	10.352	43	309652	54.88	ug/L		88
72) chlorobenzene	11.106	112	825346	47.27	ug/L		94
73) 1,1,1,2-tetrachloroethane	11.206	131	324514	45.62	ug/L		97
74) ethylbenzene	11.211	91	1403888	46.15	ug/L		95
75) m,p-xylene	11.342	106	1043926	90.41	ug/L		89
76) o-xylene	11.709	106	513951	45.18	ug/L		89
77) styrene	11.730	104	854429	44.40	ug/L		91
78) bromoform	11.904	173	246931	42.45	ug/L		98
79) trans-1,4-dichloro-2-b...	12.122	53	123118m	41.88	ug/L		
81) isopropylbenzene	12.061	105	1414864	49.20	ug/L		96
83) bromobenzene	12.351	156	399045	49.53	ug/L		89
84) 1,1,2,2-tetrachloroethane	12.356	83	354856	48.96	ug/L		99
85) 1,2,3-trichloropropane	12.397	75	449896	54.86	ug/L		99
86) n-propylbenzene	12.449	91	1727296	48.26	ug/L		95
87) 2-chlorotoluene	12.528	91	1082129	47.98	ug/L		94
88) 4-chlorotoluene	12.640	91	1291914	46.87	ug/L		95
89) 1,3,5-trimethylbenzene	12.619	105	1248710	46.98	ug/L		96
90) tert-butylbenzene	12.905	91	766660	48.25	ug/L		87
91) 1,2,4-trimethylbenzene	12.959	105	1282032	47.75	ug/L		96
92) sec-butylbenzene	13.108	105	1488783	47.64	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26938.D
Acq On : 7 Jan 2014 3:08 pm
Operator : amym
Sample : icc1019-50
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 07 16:13:53 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration

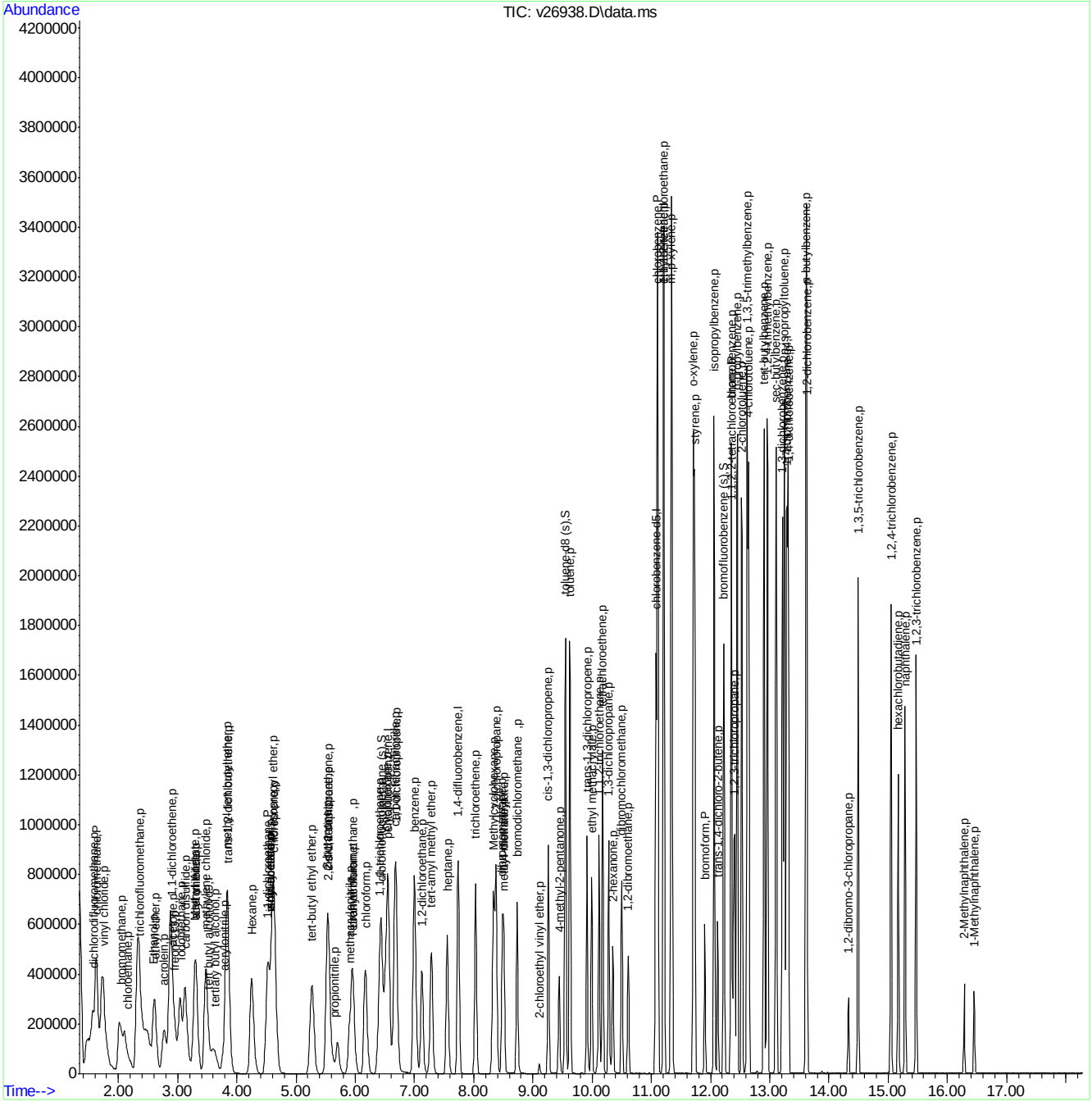
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	13.216	146	754945	47.83	ug/L	99
94)	p-isopropyltoluene	13.249	119	1268838	46.88	ug/L	95
95)	1,4-dichlorobenzene	13.312	146	765858	47.01	ug/L	99
96)	1,2-dichlorobenzene	13.628	146	764356	47.90	ug/L	99
97)	n-butylbenzene	13.614	91	1157598	47.62	ug/L	98
98)	1,2-dibromo-3-chloropr...	14.330	75	62575	45.52	ug/L	81
99)	1,3,5-trichlorobenzene	14.495	180	545270	48.42	ug/L	99
100)	1,2,4-trichlorobenzene	15.050	180	513408	48.37	ug/L	99
101)	hexachlorobutadiene	15.171	225	222135	49.40	ug/L	98
102)	naphthalene	15.285	128	933078	47.04	ug/L	100
103)	1,2,3-trichlorobenzene	15.473	180	459635	47.57	ug/L	98
104)	2-Methylnaphthalene	16.284	142	141131	18.21	ug/L	99
105)	1-Methylnaphthalene	16.454	142	130128	19.84	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26938.D
Acq On : 7 Jan 2014 3:08 pm
Operator : amym
Sample : icc1019-50
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 07 16:13:53 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/08/14 12:48

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26939.D
Acq On : 7 Jan 2014 3:35 pm
Operator : amym
Sample : ic1019-100
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 07 16:15:15 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.521	65	218199	500.00	ug/L	#	0.00
4) pentafluorobenzene	6.558	168	709240	50.00	ug/L		0.00
43) 1,4-difluorobenzene	7.739	114	904078	50.00	ug/L		0.00
66) chlorobenzene-d5	11.076	82	484776	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.288	152	587532	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	6.442	113	766891	100.01	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 200.02%#				
60) toluene-d8 (s)	9.548	98	2235871	100.00	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 200.00%#				
82) bromofluorobenzene (s)	12.225	95	1049471	100.00	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 200.00%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.626	59	575381	996.99	ug/L	#	81
3) Ethanol	2.587	45	1473306	9969.89	ug/L	#	100
5) dichlorodifluoromethane	1.583	85	2462728	100.01	ug/L		98
6) chloromethane	1.629	50	1779993	100.01	ug/L		95
7) vinyl chloride	1.751	62	1309162	100.25	ug/L		99
8) bromomethane	2.045	96	840005	99.92	ug/L		95
9) chloroethane	2.151	64	566729	99.68	ug/L		99
10) ethyl ether	2.613	59	722605	100.02	ug/L		85
11) acetonitrile	3.304	41	1255562	100.01	ug/L		98
12) trichlorofluoromethane	2.369	101	1830806	100.03	ug/L		99
13) freon-113	2.947	101	747406	100.01	ug/L		95
14) acrolein	2.771	56	561247	500.06	ug/L		98
15) 1,1-dichloroethene	2.893	96	698896m	99.20	ug/L		
16) acetone	2.925	58	129340	100.01	ug/L	#	67
17) Methyl Acetate	3.288	43	910022	100.22	ug/L	#	92
18) methylene chloride	3.482	84	730967	100.01	ug/L	#	76
19) methyl tert butyl ether	3.830	73	1576640	100.01	ug/L		96
20) acrylonitrile	3.787	53	294138	100.01	ug/L		100
21) allyl chloride	3.305	41	1257134	100.14	ug/L		88
22) trans-1,2-dichloroethene	3.847	96	683666	100.01	ug/L	#	82
23) iodomethane	3.056	142	1461503	100.01	ug/L		90
24) carbon disulfide	3.133	76	2160143	100.01	ug/L		99
25) propionitrile	5.652	54	105787	100.01	ug/L		100
26) vinyl acetate	4.571	43	2653202	100.01	ug/L		95
27) chloroprene	4.628	53	1267296	100.00	ug/L		81
28) di-isopropyl ether	4.612	45	2465265	100.01	ug/L		88
29) methacrylonitrile	5.918	41	515354	100.01	ug/L		81
30) 2-butanone	5.535	72	90921	100.01	ug/L	#	26
31) Hexane	4.255	41	763643	100.01	ug/L	#	82
32) 1,1-dichloroethane	4.520	63	1390813	100.01	ug/L		99
33) tert-butyl ethyl ether	5.268	59	1562713	100.01	ug/L		96
34) isobutyl alcohol	4.571	43	2653202	500.06	ug/L		97
35) 2,2-dichloropropane	5.543	77	734853	100.01	ug/L		95
36) cis-1,2-dichloroethene	5.538	96	699608	100.01	ug/L	#	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26939.D
Acq On : 7 Jan 2014 3:35 pm
Operator : amym
Sample : ic1019-100
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 07 16:15:15 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.570	43	2653645m	100.07	ug/L		
38) bromochloromethane	5.958	128	380149	100.01	ug/L	#	74
39) chloroform	6.173	83	1434999	100.01	ug/L		99
41) Tetrahydrofuran	5.959	42	192399	100.01	ug/L		83
42) 1,1,1-trichloroethane	6.417	97	1178842	100.01	ug/L		95
44) Cyclohexane	6.539	56	1134131	99.92	ug/L		89
45) carbon tetrachloride	6.674	117	1209341	100.00	ug/L		100
46) 1,1-dichloropropene	6.683	75	978475	100.00	ug/L		94
47) benzene	7.001	78	2391622	100.00	ug/L		99
48) 1,2-dichloroethane	7.125	62	1318837	100.00	ug/L		94
49) tert-amyl methyl ether	7.283	73	1181004	100.00	ug/L		90
50) heptane	7.554	43	811544	100.00	ug/L		86
51) trichloroethene	8.031	95	731158	100.00	ug/L		91
52) 1,2-dichloropropane	8.379	63	728921	100.00	ug/L		98
53) dibromomethane	8.482	93	499699	100.00	ug/L		97
54) bromodichloromethane	8.733	83	1092115	100.00	ug/L		98
55) Methylcyclohexane	8.338	83	884018	99.84	ug/L	#	84
56) 2-chloroethyl vinyl ether	9.107	63	42359	100.00	ug/L		92
57) methyl methacrylate	8.509	69	412245	100.00	ug/L	#	74
58) 1,4-dioxane	8.507	88	29912	500.00	ug/L	#	43
59) cis-1,3-dichloropropene	9.260	75	1146004	100.00	ug/L		92
61) 4-methyl-2-pentanone	9.443	43	669973	100.00	ug/L		91
62) toluene	9.624	92	1532222	100.00	ug/L		99
63) trans-1,3-dichloropropene	9.911	75	1060222	100.00	ug/L		91
64) 1,1,2-trichloroethane	10.117	83	533684	100.00	ug/L		96
65) ethyl methacrylate	9.991	69	807221	100.00	ug/L		81
67) tetrachloroethene	10.177	166	827553	100.04	ug/L		100
68) 1,3-dichloropropane	10.279	76	1038134	100.04	ug/L		99
69) dibromochloromethane	10.499	129	864337	100.04	ug/L		98
70) 1,2-dibromoethane	10.608	107	672523	100.04	ug/L		99
71) 2-hexanone	10.350	43	624220	100.04	ug/L		89
72) chlorobenzene	11.105	112	1931810	100.04	ug/L		95
73) 1,1,1,2-tetrachloroethane	11.206	131	786920	100.04	ug/L		97
74) ethylbenzene	11.210	91	3365507	100.04	ug/L		95
75) m,p-xylene	11.341	106	2554869	200.08	ug/L		90
76) o-xylene	11.708	106	1258365	100.04	ug/L		91
77) styrene	11.729	104	2128726	100.04	ug/L		92
78) bromoform	11.903	173	643536	100.04	ug/L		98
79) trans-1,4-dichloro-2-b...	12.120	53	324976	99.96	ug/L		77
81) isopropylbenzene	12.060	105	3476374	100.00	ug/L		96
83) bromobenzene	12.350	156	974085	100.00	ug/L		91
84) 1,1,2,2-tetrachloroethane	12.355	83	876155	100.00	ug/L		99
85) 1,2,3-trichloropropane	12.398	75	974752m	98.31	ug/L		
86) n-propylbenzene	12.449	91	4326577	100.00	ug/L		96
87) 2-chlorotoluene	12.528	91	2718452	99.70	ug/L		94
88) 4-chlorotoluene	12.639	91	3332316	100.00	ug/L		95
89) 1,3,5-trimethylbenzene	12.618	105	3213215	100.00	ug/L		96
90) tert-butylbenzene	12.904	91	1920855	100.00	ug/L		89
91) 1,2,4-trimethylbenzene	12.958	105	3245801	100.00	ug/L		95
92) sec-butylbenzene	13.107	105	3777960	100.00	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26939.D
Acq On : 7 Jan 2014 3:35 pm
Operator : amym
Sample : ic1019-100
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 07 16:15:15 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	13.215	146	1908254	100.00	ug/L	99
94) p-isopropyltoluene	13.248	119	3271966	100.00	ug/L	96
95) 1,4-dichlorobenzene	13.310	146	1969397	100.00	ug/L	98
96) 1,2-dichlorobenzene	13.628	146	1929118	100.00	ug/L	98
97) n-butylbenzene	13.613	91	2938658	100.00	ug/L	93
98) 1,2-dibromo-3-chloropr...	14.329	75	166196	100.00	ug/L	84
99) 1,3,5-trichlorobenzene	14.493	180	1361546	100.00	ug/L	99
100) 1,2,4-trichlorobenzene	15.049	180	1283093	100.00	ug/L	98
101) hexachlorobutadiene	15.171	225	543650	100.00	ug/L	97
102) naphthalene	15.283	128	2397870	100.00	ug/L	100
103) 1,2,3-trichlorobenzene	15.473	180	1168037	100.00	ug/L	100
104) 2-Methylnaphthalene	16.283	142	468366	50.00	ug/L	98
105) 1-Methylnaphthalene	16.453	142	396572	50.00	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

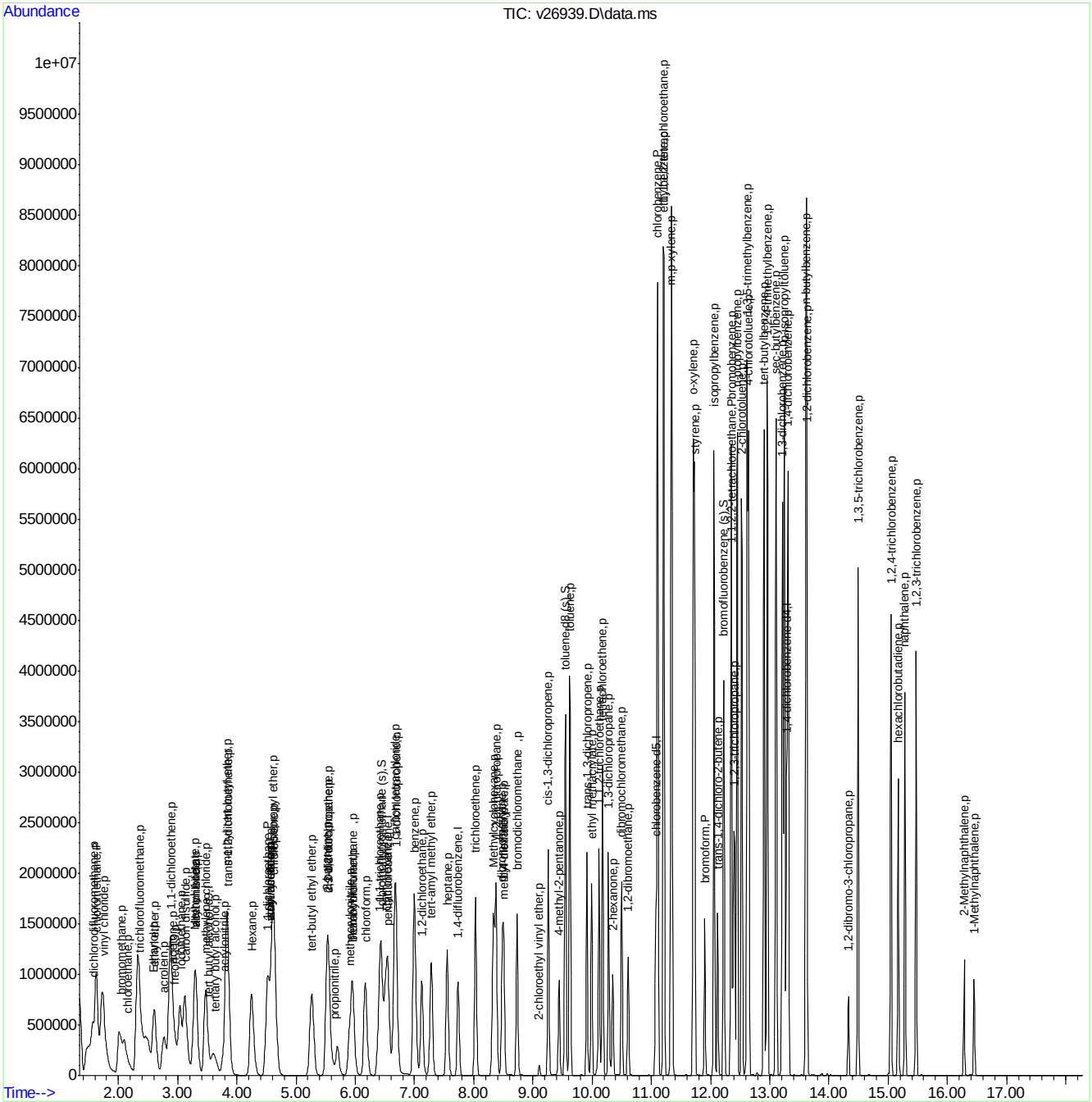
7.6.8

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26939.D
Acq On : 7 Jan 2014 3:35 pm
Operator : amym
Sample : ic1019-100
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 07 16:15:15 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 15:55:33 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/08/14 12:48

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26940.D
Acq On : 7 Jan 2014 4:02 pm
Operator : amym
Sample : ic1019-200
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 16:21:19 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 16:20:25 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.540	65	257945	500.00	ug/L	#	0.02
4) pentafluorobenzene	6.565	168	827389	50.00	ug/L		0.00
43) 1,4-difluorobenzene	7.744	114	1042430	50.00	ug/L		0.00
66) chlorobenzene-d5	11.077	82	561005	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.288	152	753972	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	6.450	113	1806600	209.50	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 419.00%#				
60) toluene-d8 (s)	9.552	98	5456748	249.23	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 498.46%#				
82) bromofluorobenzene (s)	12.226	95	2684384	207.38	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 414.76%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.639	59	1388487	2137.68	ug/L		86
3) Ethanol	2.603	45	3221506m	17191.74	ug/L		
5) dichlorodifluoromethane	1.603	85	5161479	177.24	ug/L		98
6) chloromethane	1.643	50	3830366	184.72	ug/L		97
7) vinyl chloride	1.764	62	2853659	166.93	ug/L		100
8) bromomethane	2.056	96	1817601	166.77	ug/L		100
9) chloroethane	2.168	64	1223523	175.20	ug/L		100
10) ethyl ether	2.626	59	1536001	161.68	ug/L		88
11) acetonitrile	3.316	41	2846028	199.04	ug/L		98
12) trichlorofluoromethane	2.388	101	3878067m	179.68	ug/L		
13) freon-113	2.974	101	1711496m	191.60	ug/L		
14) acrolein	2.784	56	1241150	980.59	ug/L		97
15) 1,1-dichloroethene	2.916	96	1599705	197.00	ug/L	#	76
16) acetone	2.940	58	247924	168.53	ug/L	#	77
17) Methyl Acetate	3.302	43	2094831	179.67	ug/L	#	91
18) methylene chloride	3.497	84	1669519	175.72	ug/L	#	81
19) methyl tert butyl ether	3.841	73	3560170	204.73	ug/L		97
20) acrylonitrile	3.799	53	665337	198.12	ug/L		97
21) allyl chloride	3.316	41	2846028	199.06	ug/L		90
22) trans-1,2-dichloroethene	3.860	96	1582388	189.30	ug/L	#	82
23) iodomethane	3.068	142	3292428m	190.16	ug/L		
24) carbon disulfide	3.145	76	4912477	188.89	ug/L		100
25) propionitrile	5.664	54	247708	211.37	ug/L		100
26) vinyl acetate	4.583	43	6136292	212.69	ug/L		96
27) chloroprene	4.640	53	2930307	223.18	ug/L		82
28) di-isopropyl ether	4.624	45	5683377	211.85	ug/L		89
29) methacrylonitrile	5.929	41	1184010	219.01	ug/L		82
30) 2-butanone	5.548	72	194234	219.05	ug/L	#	49
31) Hexane	4.266	41	1659997	193.86	ug/L	#	87
32) 1,1-dichloroethane	4.532	63	3152248	181.96	ug/L		99
33) tert-butyl ethyl ether	5.277	59	3577507	233.75	ug/L		96
34) isobutyl alcohol	4.583	43	6137283	1053.80	ug/L		95
35) 2,2-dichloropropane	5.552	77	1700371	220.04	ug/L		94
36) cis-1,2-dichloroethene	5.549	96	1618107	200.60	ug/L	#	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26940.D
Acq On : 7 Jan 2014 4:02 pm
Operator : amym
Sample : ic1019-200
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 16:21:19 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 16:20:25 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.584	43	6140786m	212.85	ug/L		
38) bromochloromethane	5.967	128	879926	199.70	ug/L	#	77
39) chloroform	6.182	83	3295151	181.61	ug/L		100
41) Tetrahydrofuran	5.969	42	433690	214.91	ug/L		86
42) 1,1,1-trichloroethane	6.424	97	2737727	208.17	ug/L		96
44) Cyclohexane	6.548	56	2617620	167.73	ug/L		89
45) carbon tetrachloride	6.682	117	2893440	231.15	ug/L		100
46) 1,1-dichloropropene	6.690	75	2328006	215.23	ug/L		95
47) benzene	7.008	78	5659342	216.40	ug/L		99
48) 1,2-dichloroethane	7.132	62	3054034	194.26	ug/L		95
49) tert-amyl methyl ether	7.289	73	2809455	256.65	ug/L		92
50) heptane	7.560	43	1844542	256.42	ug/L		86
51) trichloroethene	8.036	95	1718810	215.98	ug/L		91
52) 1,2-dichloropropane	8.383	63	1739252	211.33	ug/L		98
53) dibromomethane	8.487	93	1191425	211.30	ug/L		94
54) bromodichloromethane	8.737	83	2619005	227.71	ug/L		99
55) Methylcyclohexane	8.344	83	2042433	247.43	ug/L	#	87
56) 2-chloroethyl vinyl ether	9.110	63	76814	238.86	ug/L		97
57) methyl methacrylate	8.514	69	1038468	288.54	ug/L	#	75
58) 1,4-dioxane	8.526	88	75032	1659.91	ug/L	#	27
59) cis-1,3-dichloropropene	9.263	75	2766138	291.12	ug/L		94
61) 4-methyl-2-pentanone	9.446	43	1589684	270.11	ug/L		91
62) toluene	9.627	92	3771861	243.78	ug/L		97
63) trans-1,3-dichloropropene	9.913	75	2652516	317.00	ug/L		92
64) 1,1,2-trichloroethane	10.120	83	1304013	224.72	ug/L		97
65) ethyl methacrylate	9.993	69	2032639	324.03	ug/L		82
67) tetrachloroethene	10.180	166	2053054	240.39	ug/L		97
68) 1,3-dichloropropane	10.281	76	2573892	230.99	ug/L		98
69) dibromochloromethane	10.501	129	2169634	269.17	ug/L		100
70) 1,2-dibromoethane	10.610	107	1668600	235.34	ug/L		100
71) 2-hexanone	10.351	43	1355409	267.36	ug/L		91
72) chlorobenzene	11.107	112	4711274	207.67	ug/L		93
73) 1,1,1,2-tetrachloroethane	11.207	131	1989403	246.36	ug/L		98
74) ethylbenzene	11.212	91	8712192	248.27	ug/L		95
75) m,p-xylene	11.343	106	6592805	550.36	ug/L		89
76) o-xylene	11.710	106	3144588	284.75	ug/L		88
77) styrene	11.730	104	5582320	288.70	ug/L		91
78) bromoform	11.904	173	1689461	291.78	ug/L		99
79) trans-1,4-dichloro-2-b...	12.121	53	851211	291.26	ug/L		81
81) isopropylbenzene	12.061	105	8724422	224.59	ug/L		96
83) bromobenzene	12.351	156	2493232	206.71	ug/L		90
84) 1,1,2,2-tetrachloroethane	12.356	83	2249903	197.94	ug/L		99
85) 1,2,3-trichloropropane	12.397	75	2998860	227.19	ug/L		100
86) n-propylbenzene	12.450	91	11169701	231.85	ug/L		95
87) 2-chlorotoluene	12.529	91	7048163	213.99	ug/L		93
88) 4-chlorotoluene	12.640	91	8764280	222.12	ug/L		94
89) 1,3,5-trimethylbenzene	12.619	105	8373185	241.73	ug/L		94
90) tert-butylbenzene	12.905	91	4959785	235.95	ug/L		87
91) 1,2,4-trimethylbenzene	12.959	105	8546888	239.41	ug/L		95
92) sec-butylbenzene	13.108	105	9763325	238.01	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26940.D
Acq On : 7 Jan 2014 4:02 pm
Operator : amym
Sample : ic1019-200
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 16:21:19 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 16:20:25 2014
Response via : Initial Calibration

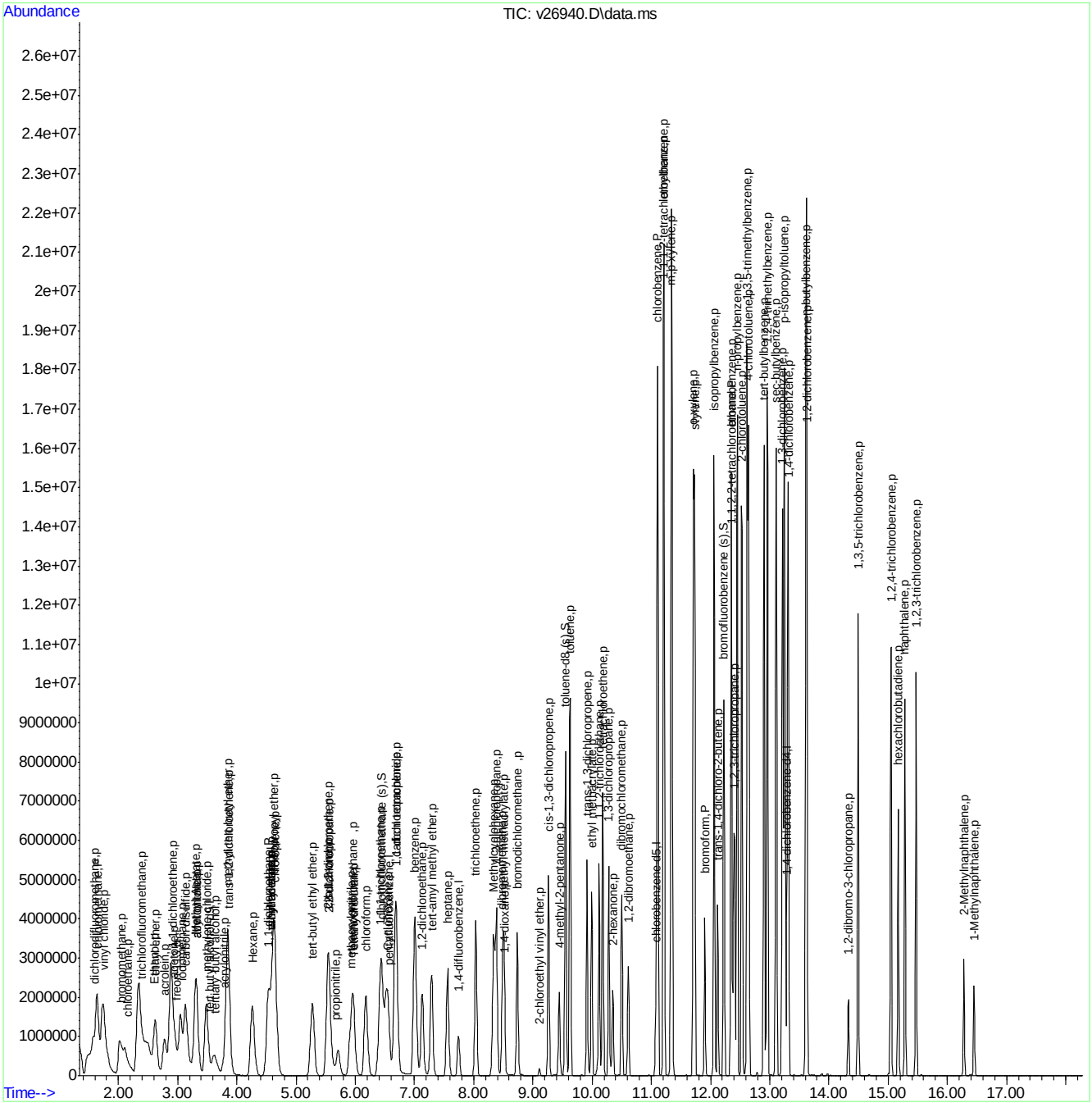
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	13.216	146	5010771	206.09	ug/L	98
94)	p-isopropyltoluene	13.248	119	8709565	255.47	ug/L	96
95)	1,4-dichlorobenzene	13.311	146	5200071	203.57	ug/L	98
96)	1,2-dichlorobenzene	13.628	146	5067405	207.82	ug/L	99
97)	n-butylbenzene	13.613	91	7612467	243.72	ug/L	92
98)	1,2-dibromo-3-chloropr...	14.329	75	426925	231.85	ug/L	87
99)	1,3,5-trichlorobenzene	14.494	180	3367340	206.16	ug/L	99
100)	1,2,4-trichlorobenzene	15.049	180	3150761	222.03	ug/L	97
101)	hexachlorobutadiene	15.171	225	1304087	188.83	ug/L	96
102)	naphthalene	15.283	128	6048697	264.82	ug/L	100
103)	1,2,3-trichlorobenzene	15.472	180	2872930	212.97	ug/L	100
104)	2-Methylnaphthalene	16.281	142	1261840	167.11	ug/L	100
105)	1-Methylnaphthalene	16.451	142	1001206	148.92	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26940.D
Acq On : 7 Jan 2014 4:02 pm
Operator : amym
Sample : ic1019-200
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 16:21:19 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 16:20:25 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/08/14 12:48

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26942.D
Acq On : 7 Jan 2014 5:47 pm
Operator : amym
Sample : ic1019-400
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 08 08:06:51 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 16:24:21 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.528	65	280929	500.00	ug/L	0.00
4) pentafluorobenzene	6.561	168	994027	50.00	ug/L	0.00
43) 1,4-difluorobenzene	7.740	114	1240821	50.00	ug/L	0.00
66) chlorobenzene-d5	11.075	82	668974	50.00	ug/L	0.00
80) 1,4-dichlorobenzene-d4	13.287	152	840748	50.00	ug/L	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	6.446	113	4308334	411.95	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 823.90%#			
60) toluene-d8 (s)	9.549	98	13205983	464.71	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 929.42%#			
82) bromofluorobenzene (s)	12.224	95	6585887	452.93	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 905.86%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	3.637	59	3178729	4442.53	ug/L	90
3) Ethanol	2.603	45	6715176m	33692.49	ug/L	
5) dichlorodifluoromethane	1.599	85	10692625	310.67	ug/L	99
6) chloromethane	1.637	50	7853356	318.71	ug/L	97
7) vinyl chloride	1.755	62	5982604	298.34	ug/L	98
8) bromomethane	2.047	96	3610489	282.45	ug/L	99
9) chloroethane	2.159	64	2476639m	300.51	ug/L	
10) ethyl ether	2.621	59	3230022	290.97	ug/L	90
11) acetonitrile	3.309	41	6537190	380.80	ug/L	99
12) trichlorofluoromethane	2.384	101	7804200	305.40	ug/L	99
13) freon-113	2.974	101	3897360m	365.35	ug/L	
14) acrolein	2.777	56	2527676	1666.88	ug/L	96
15) 1,1-dichloroethene	2.915	96	3759254	386.16	ug/L	82
16) acetone	2.934	58	603012	355.16	ug/L #	83
17) Methyl Acetate	3.296	43	4473362	324.06	ug/L	93
18) methylene chloride	3.492	84	3920853m	349.56	ug/L	
19) methyl tert butyl ether	3.834	73	8018671	382.53	ug/L	97
20) acrylonitrile	3.792	53	1439352	357.23	ug/L	98
21) allyl chloride	3.309	41	6537190	380.83	ug/L	92
22) trans-1,2-dichloroethene	3.854	96	3817099	383.02	ug/L	84
23) iodomethane	3.068	142	7740565m	374.75	ug/L	
24) carbon disulfide	3.137	76	11744820	378.90	ug/L	99
25) propionitrile	5.664	54	551394	387.23	ug/L	100
26) vinyl acetate	4.577	43	14004118m	399.80	ug/L	
27) chloroprene	4.636	53	7046628	439.45	ug/L	84
28) di-isopropyl ether	4.617	45	13120081m	403.65	ug/L	
29) methacrylonitrile	5.925	41	2570022	389.52	ug/L	85
30) 2-butanone	5.544	72	482572	444.52	ug/L #	59
31) Hexane	4.260	41	3892786	380.07	ug/L #	86
32) 1,1-dichloroethane	4.527	63	7331021	356.83	ug/L	99
33) tert-butyl ethyl ether	5.270	59	8226116	436.85	ug/L	95
34) isobutyl alcohol	4.577	43	14012129m	1987.34	ug/L	
35) 2,2-dichloropropane	5.545	77	4098315	435.21	ug/L	95
36) cis-1,2-dichloroethene	5.544	96	3890068	401.24	ug/L #	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26942.D
Acq On : 7 Jan 2014 5:47 pm
Operator : amym
Sample : ic1019-400
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 08 08:06:51 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 16:24:21 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.577	43	14007709m	399.85	ug/L		
38) bromochloromethane	5.961	128	2071331	391.37	ug/L	#	81
39) chloroform	6.177	83	7735382	359.58	ug/L		99
41) Tetrahydrofuran	5.964	42	936010	381.33	ug/L		87
42) 1,1,1-trichloroethane	6.418	97	6397215	402.54	ug/L		96
44) Cyclohexane	6.549	56	6312363	402.96	ug/L		89
45) carbon tetrachloride	6.679	117	7112690	466.97	ug/L		100
46) 1,1-dichloropropene	6.687	75	5803249	445.89	ug/L		95
47) benzene	7.005	78	14105064	448.51	ug/L		100
48) 1,2-dichloroethane	7.128	62	7132940	382.73	ug/L		95
49) tert-amyl methyl ether	7.284	73	6847664	505.10	ug/L		93
50) heptane	7.556	43	4398007	493.75	ug/L		89
51) trichloroethene	8.032	95	4162488	435.56	ug/L		91
52) 1,2-dichloropropane	8.380	63	4210597	426.37	ug/L		98
53) dibromomethane	8.483	93	2799855	413.83	ug/L		97
54) bromodichloromethane	8.734	83	6317883	452.53	ug/L		99
55) Methylcyclohexane	8.342	83	4827158	475.19	ug/L		89
56) 2-chloroethyl vinyl ether	9.106	63	186559	469.14	ug/L		93
57) methyl methacrylate	8.511	69	2440149	535.71	ug/L		80
58) 1,4-dioxane	8.525	88	176246	2893.71	ug/L	#	44
59) cis-1,3-dichloropropene	9.260	75	6623557	554.08	ug/L		93
61) 4-methyl-2-pentanone	9.443	43	3448318	468.77	ug/L		92
62) toluene	9.625	92	9448635	497.47	ug/L		90
63) trans-1,3-dichloropropene	9.911	75	6419069	600.56	ug/L		92
64) 1,1,2-trichloroethane	10.118	83	3117354	443.48	ug/L		97
65) ethyl methacrylate	9.991	69	4787258	588.96	ug/L		87
67) tetrachloroethene	10.177	166	5149510	494.54	ug/L		100
68) 1,3-dichloropropane	10.279	76	6124635	450.96	ug/L		98
69) dibromochloromethane	10.499	129	5339608	532.51	ug/L		99
70) 1,2-dibromoethane	10.608	107	3990035	460.31	ug/L		99
71) 2-hexanone	10.349	43	3406549	537.63	ug/L		91
72) chlorobenzene	11.105	112	11722460	430.96	ug/L		94
73) 1,1,1,2-tetrachloroethane	11.206	131	4776100	480.10	ug/L		100
74) ethylbenzene	11.210	91	16027921	370.27	ug/L		60
75) m,p-xylene	11.340	106	15931418m	1065.24	ug/L		
76) o-xylene	11.708	106	7871780	567.70	ug/L	#	63
77) styrene	11.728	104	13008979	530.59	ug/L		83
78) bromoform	11.901	173	4194283	570.09	ug/L		99
79) trans-1,4-dichloro-2-b...	12.119	53	2034067	534.86	ug/L		86
81) isopropylbenzene	12.059	105	16131960	365.99	ug/L		63
83) bromobenzene	12.350	156	6100159	451.40	ug/L		93
84) 1,1,2,2-tetrachloroethane	12.355	83	5220805	412.43	ug/L		98
85) 1,2,3-trichloropropane	12.398	75	5884635m	392.18	ug/L		
86) n-propylbenzene	12.448	91	17170289	312.51	ug/L		65
87) 2-chlorotoluene	12.527	91	14212874	383.16	ug/L		83
88) 4-chlorotoluene	12.638	91	16432636	367.67	ug/L		76
89) 1,3,5-trimethylbenzene	12.618	105	15264199	383.74	ug/L		60
90) tert-butylbenzene	12.903	91	11425402	475.23	ug/L	#	66
91) 1,2,4-trimethylbenzene	12.957	105	14851720	362.86	ug/L		57
92) sec-butylbenzene	13.106	105	16064547	341.92	ug/L		68

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26942.D
Acq On : 7 Jan 2014 5:47 pm
Operator : amym
Sample : ic1019-400
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 08 08:06:51 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 16:24:21 2014
Response via : Initial Calibration

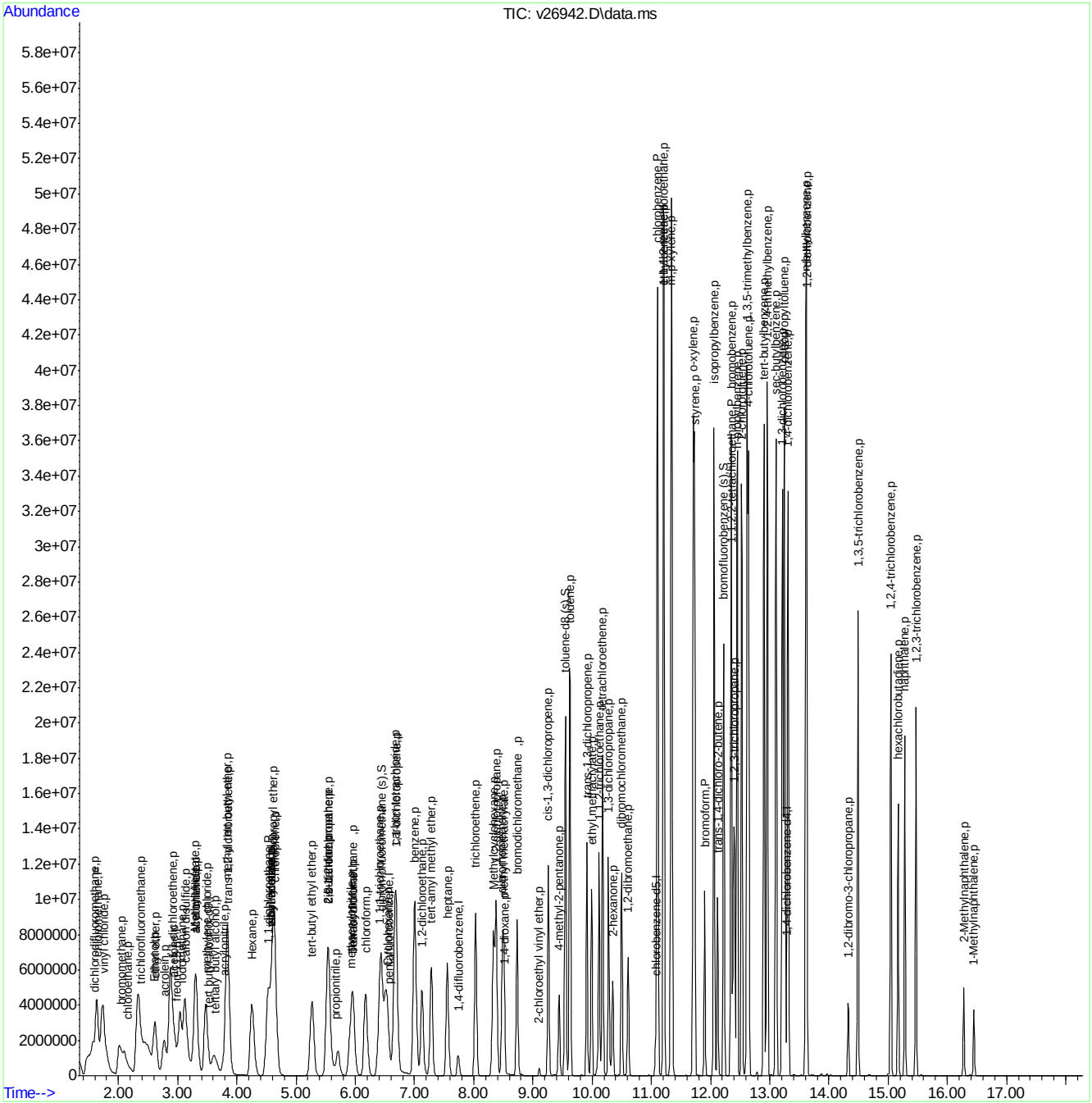
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	13.214	146	11342534	416.54	ug/L	98
94)	p-isopropyltoluene	13.247	119	14703956	372.04	ug/L	64
95)	1,4-dichlorobenzene	13.309	146	11195133	392.03	ug/L	99
96)	1,2-dichlorobenzene	13.626	146	10966863	401.11	ug/L	99
97)	n-butylbenzene	13.611	91	13975464	389.10	ug/L	81
98)	1,2-dibromo-3-chloropr...	14.326	75	905684	429.68	ug/L	79
99)	1,3,5-trichlorobenzene	14.492	180	7448908	407.19	ug/L	99
100)	1,2,4-trichlorobenzene	15.047	180	6694413	416.50	ug/L	100
101)	hexachlorobutadiene	15.169	225	2839324	371.66	ug/L	95
102)	naphthalene	15.281	128	11985619	446.47	ug/L	100
103)	1,2,3-trichlorobenzene	15.470	180	5842967	384.87	ug/L	99
104)	2-Methylnaphthalene	16.279	142	2159026	226.07	ug/L	100
105)	1-Methylnaphthalene	16.449	142	1614580	196.18	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26942.D
Acq On : 7 Jan 2014 5:47 pm
Operator : amym
Sample : ic1019-400
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 08 08:06:51 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Tue Jan 07 16:24:21 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Amy Min Yang
01/13/14 08:57

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26944.D
Acq On : 7 Jan 2014 7:05 pm
Operator : amym
Sample : icv1019-50
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 08 09:34:27 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Jan 08 08:34:24 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.508	65	215524	500.00	ug/L		#-0.01
4) pentafluorobenzene	6.550	168	735675	50.00	ug/L		0.00
43) 1,4-difluorobenzene	7.732	114	958646	50.00	ug/L		0.00
66) chlorobenzene-d5	11.071	82	510954	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.284	152	554570	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	6.432	113	400939	51.54	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.08%				
60) toluene-d8 (s)	9.544	98	1188115	52.69	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.38%				
82) bromofluorobenzene (s)	12.220	95	523437	53.40	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.80%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.617	59	292556	524.66	ug/L	#	84
3) Ethanol	2.586	45	713075	4770.97	ug/L	#	100
5) dichlorodifluoromethane	1.589	85	1281068	51.74	ug/L		99
6) chloromethane	1.627	50	896050	50.42	ug/L		98
7) vinyl chloride	1.750	62	632013	43.98	ug/L		99
8) bromomethane	2.042	96	397416	43.61	ug/L		97
9) chloroethane	2.149	64	314843	53.28	ug/L		97
10) ethyl ether	2.609	59	370478	46.68	ug/L		87
11) acetonitrile	3.299	41	648788	51.37	ug/L		99
12) trichlorofluoromethane	2.365	101	861712	46.95	ug/L		100
13) freon-113	2.933	101	407579m	52.19	ug/L		
14) acrolein	2.767	56	73763	67.12	ug/L		94
15) 1,1-dichloroethene	2.891	96	392211	54.67	ug/L	#	78
16) acetone	2.923	58	50290	40.94	ug/L	#	84
17) Methyl Acetate	3.282	43	307027	30.78	ug/L	#	92
18) methylene chloride	3.476	84	394072	48.23	ug/L	#	81
19) methyl tert butyl ether	3.823	73	805552	52.21	ug/L		97
20) acrylonitrile	3.778	53	285112	96.91	ug/L		97
21) allyl chloride	3.299	41	648788	51.38	ug/L		85
22) trans-1,2-dichloroethene	3.841	96	379231	51.69	ug/L	#	78
23) iodomethane	3.051	142	718731	47.39	ug/L		91
24) carbon disulfide	3.130	76	1094354	48.02	ug/L		100
25) propionitrile	5.645	54	49424	47.15	ug/L		100
26) vinyl acetate	4.564	43	1265963	48.84	ug/L		95
27) chloroprene	4.618	53	695017	57.85	ug/L		82
28) di-isopropyl ether	4.603	45	1242283	51.58	ug/L		92
29) methacrylonitrile	5.911	41	247292	50.83	ug/L		86
30) 2-butanone	5.528	72	37429	41.28	ug/L	#	58
31) Hexane	4.247	41	384144	50.99	ug/L	#	86
32) 1,1-dichloroethane	4.511	63	754560	50.30	ug/L		97
33) tert-butyl ethyl ether	5.258	59	833552	59.13	ug/L		95
34) isobutyl alcohol	4.564	43	1267080	243.01	ug/L		95
35) 2,2-dichloropropane	5.534	77	383491	54.43	ug/L		96
36) cis-1,2-dichloroethene	5.528	96	375746	52.35	ug/L		82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26944.D
Acq On : 7 Jan 2014 7:05 pm
Operator : amym
Sample : icv1019-50
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 08 09:34:27 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Jan 08 08:34:24 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.564	43	1266130m	48.84	ug/L		
38) bromochloromethane	5.948	128	199241	51.00	ug/L	#	76
39) chloroform	6.163	83	735081	46.76	ug/L		100
41) Tetrahydrofuran	5.951	42	89196	49.43	ug/L		84
42) 1,1,1-trichloroethane	6.408	97	608971	51.73	ug/L		94
44) Cyclohexane	6.529	56	579707	47.85	ug/L		88
45) carbon tetrachloride	6.664	117	598016	49.78	ug/L		98
46) 1,1-dichloropropene	6.673	75	512552	50.25	ug/L		95
47) benzene	6.992	78	1266431	51.43	ug/L		99
48) 1,2-dichloroethane	7.117	62	648609	45.29	ug/L		95
49) tert-amyl methyl ether	7.276	73	587815	54.34	ug/L		93
50) heptane	7.548	43	394500	47.79	ug/L		88
51) trichloroethene	8.025	95	383039	51.42	ug/L		89
52) 1,2-dichloropropane	8.373	63	377312	49.05	ug/L		98
53) dibromomethane	8.477	93	249252	47.48	ug/L		95
54) bromodichloromethane	8.728	83	549415	50.11	ug/L		99
55) Methylcyclohexane	8.331	83	461505	57.45	ug/L	#	85
56) 2-chloroethyl vinyl ether	9.103	63	76501	209.75	ug/L		97
57) methyl methacrylate	8.505	69	194271	45.55	ug/L	#	76
58) 1,4-dioxane	8.503	88	13014	216.87	ug/L	#	9
59) cis-1,3-dichloropropene	9.255	75	557799	46.01	ug/L		93
61) 4-methyl-2-pentanone	9.439	43	312657	49.92	ug/L		91
62) toluene	9.619	92	816503	54.00	ug/L		97
63) trans-1,3-dichloropropene	9.907	75	540611	47.04	ug/L		92
64) 1,1,2-trichloroethane	10.113	83	270228	49.09	ug/L		98
65) ethyl methacrylate	9.988	69	383799	46.16	ug/L		81
67) tetrachloroethene	10.172	166	431474	53.00	ug/L		97
68) 1,3-dichloropropane	10.275	76	526044	49.92	ug/L		98
69) dibromochloromethane	10.495	129	422212	53.17	ug/L		99
70) 1,2-dibromoethane	10.604	107	336151	49.83	ug/L		100
71) 2-hexanone	10.346	43	249654	39.62	ug/L		90
72) chlorobenzene	11.101	112	968967	46.19	ug/L		93
73) 1,1,1,2-tetrachloroethane	11.201	131	395702	50.81	ug/L		98
74) ethylbenzene	11.206	91	1738199	53.07	ug/L		96
75) m,p-xylene	11.337	106	1263153	89.59	ug/L		92
76) o-xylene	11.704	106	621618	45.38	ug/L		91
77) styrene	11.725	104	1051305	49.55	ug/L		92
78) bromoform	11.899	173	288070	41.69	ug/L		99
79) trans-1,4-dichloro-2-b...	12.116	53	132310	40.88	ug/L		78
81) isopropylbenzene	12.056	105	1695466	58.94	ug/L		96
83) bromobenzene	12.346	156	479738	52.97	ug/L		89
84) 1,1,2,2-tetrachloroethane	12.351	83	425556	50.79	ug/L		99
85) 1,2,3-trichloropropane	12.391	75	524592	53.13	ug/L		99
86) n-propylbenzene	12.444	91	1981651	56.22	ug/L		95
87) 2-chlorotoluene	12.523	91	1266125	52.02	ug/L		98
88) 4-chlorotoluene	12.635	91	1540178	52.78	ug/L		93
89) 1,3,5-trimethylbenzene	12.614	105	1512653	57.95	ug/L		96
90) tert-butylbenzene	12.900	91	901961	55.57	ug/L		96
91) 1,2,4-trimethylbenzene	12.954	105	1507183	56.48	ug/L		97
92) sec-butylbenzene	13.103	105	1782742	58.59	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26944.D
Acq On : 7 Jan 2014 7:05 pm
Operator : amym
Sample : icv1019-50
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 08 09:34:27 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Jan 08 08:34:24 2014
Response via : Initial Calibration

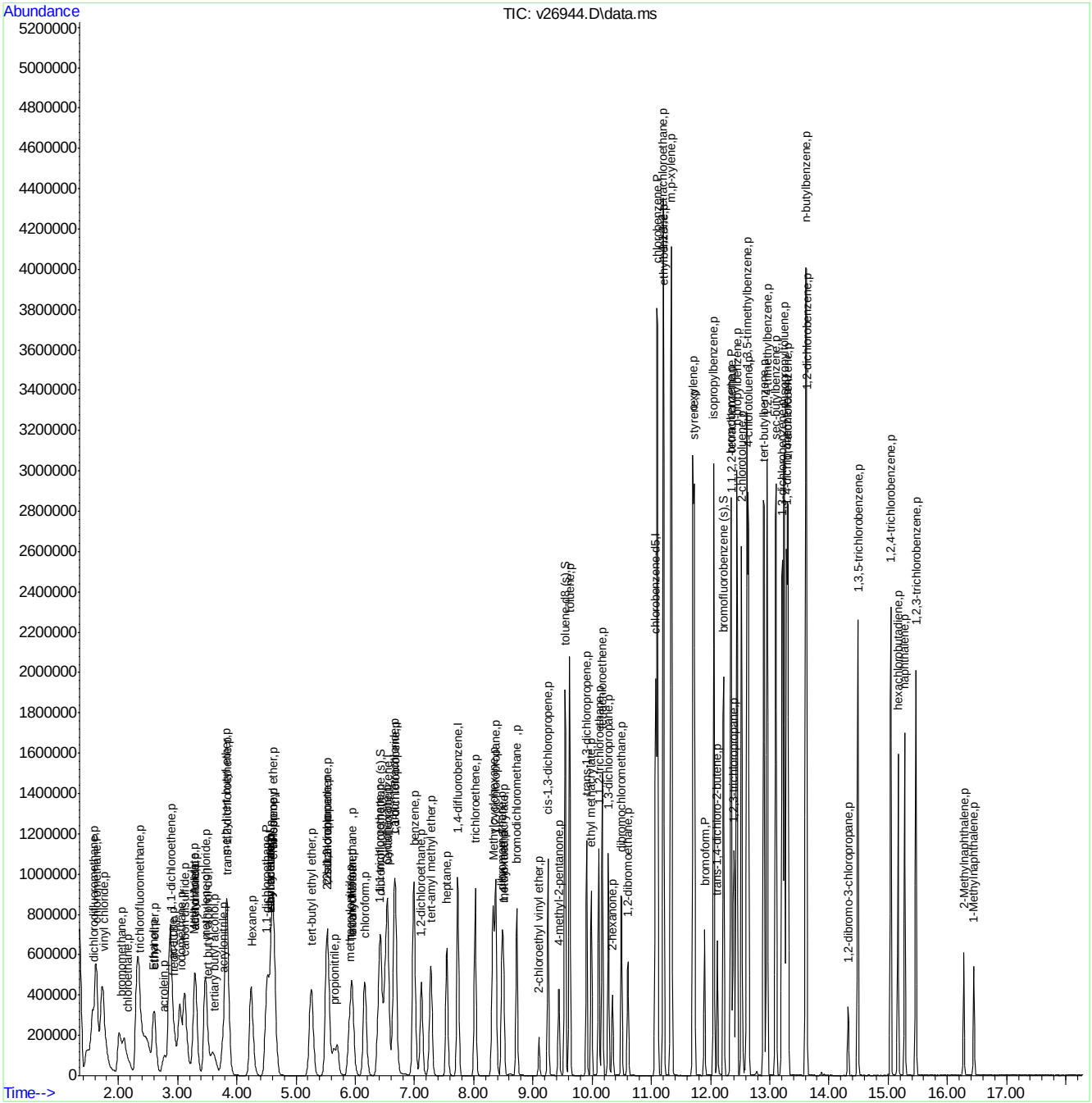
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	13.211	146	904837	50.12	ug/L	99
94)	p-isopropyltoluene	13.244	119	1554425	60.15	ug/L	97
95)	1,4-dichlorobenzene	13.306	146	936782	49.86	ug/L	99
96)	1,2-dichlorobenzene	13.623	146	879463	48.75	ug/L	100
97)	n-butylbenzene	13.609	91	1400241	59.30	ug/L	95
98)	1,2-dibromo-3-chloropr...	14.325	75	72405	51.53	ug/L	79
99)	1,3,5-trichlorobenzene	14.490	180	666555	55.12	ug/L	99
100)	1,2,4-trichlorobenzene	15.045	180	630260	59.14	ug/L	97
101)	hexachlorobutadiene	15.167	225	281825	56.43	ug/L	97
102)	naphthalene	15.280	128	1094245	49.73	ug/L	100
103)	1,2,3-trichlorobenzene	15.468	180	570963	57.29	ug/L	98
104)	2-Methylnaphthalene	16.278	142	238765	26.90	ug/L	99
105)	1-Methylnaphthalene	16.448	142	228330	29.98	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140107\
Data File : v26944.D
Acq On : 7 Jan 2014 7:05 pm
Operator : amym
Sample : icv1019-50
Misc : MS30921,MSV1019,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 08 09:34:27 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Wed Jan 08 08:34:24 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/13/14 10:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27022.D
Acq On : 10 Jan 2014 8:52 am
Operator : amym
Sample : cc1019-50
Misc : MS30950,MSV1022,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 13 09:56:26 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.494	65	159435	500.00	ug/L	#	0.00
4) pentafluorobenzene	6.531	168	578795	50.00	ug/L		0.00
43) 1,4-difluorobenzene	7.715	114	713502	50.00	ug/L		0.00
66) chlorobenzene-d5	11.057	82	395659	50.00	ug/L		0.00
80) 1,4-dichlorobenzene-d4	13.271	152	434057	50.00	ug/L		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	6.414	113	300668	49.13	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.26%				
60) toluene-d8 (s)	9.529	98	838702	49.98	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.96%				
82) bromofluorobenzene (s)	12.207	95	381475	49.72	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.44%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.603	59	213233	516.93	ug/L	#	74
3) Ethanol	2.570	45	563179m	5093.66	ug/L		
5) dichlorodifluoromethane	1.588	85	943449	48.43	ug/L		98
6) chloromethane	1.628	50	695396	49.73	ug/L		95
7) vinyl chloride	1.755	62	505916	44.75	ug/L		99
8) bromomethane	2.045	96	350344	48.86	ug/L		98
9) chloroethane	2.153	64	236762	50.92	ug/L		94
10) ethyl ether	2.605	59	293231	46.97	ug/L		84
11) acetonitrile	3.291	41	489717	49.29	ug/L		91
12) trichlorofluoromethane	2.363	101	875952	60.66	ug/L		96
13) freon-113	2.933	101	317865	51.74	ug/L		97
14) acrolein	2.759	56	215294	249.01	ug/L		97
15) 1,1-dichloroethene	2.886	96	267100	47.33	ug/L	#	62
16) acetone	2.911	58	54334	56.22	ug/L	#	60
17) Methyl Acetate	3.274	43	353653	47.74	ug/L	#	90
18) methylene chloride	3.469	84	281593	43.81	ug/L	#	68
19) methyl tert butyl ether	3.811	73	605428	49.87	ug/L		94
20) acrylonitrile	3.769	53	111336	48.10	ug/L		97
21) allyl chloride	3.291	41	489181	49.24	ug/L		84
22) trans-1,2-dichloroethene	3.829	96	259164	44.90	ug/L	#	75
23) iodomethane	3.047	142	558944	46.84	ug/L		79
24) carbon disulfide	3.123	76	813357	45.36	ug/L		99
25) propionitrile	5.626	54	38046	46.13	ug/L		100
26) vinyl acetate	4.549	43	1048185	51.40	ug/L		93
27) chloroprene	4.603	53	530196	56.09	ug/L		74
28) di-isopropyl ether	4.585	45	983310	51.90	ug/L		86
29) methacrylonitrile	5.894	41	198576	51.88	ug/L		82
30) 2-butanone	5.510	72	36188	50.92	ug/L	#	36
31) Hexane	4.234	41	309047	52.15	ug/L	#	73
32) 1,1-dichloroethane	4.496	63	560450	47.49	ug/L		99
33) tert-butyl ethyl ether	5.239	59	595830	53.72	ug/L		94
34) isobutyl alcohol	4.549	43	1048185	255.52	ug/L		92
35) 2,2-dichloropropane	5.513	77	316968	57.18	ug/L		91
36) cis-1,2-dichloroethene	5.509	96	264962	46.92	ug/L	#	74

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27022.D
Acq On : 10 Jan 2014 8:52 am
Operator : amym
Sample : cc1019-50
Misc : MS30950,MSV1022,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 13 09:56:26 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) ethyl acetate	4.550	43	1047140m	51.34	ug/L		
38) bromochloromethane	5.929	128	146413	47.64	ug/L	#	72
39) chloroform	6.144	83	598856	48.42	ug/L		99
41) Tetrahydrofuran	5.933	42	68988	48.59	ug/L		78
42) 1,1,1-trichloroethane	6.387	97	511434	55.22	ug/L		94
44) Cyclohexane	6.508	56	431650	47.87	ug/L	#	85
45) carbon tetrachloride	6.643	117	521106	58.28	ug/L		99
46) 1,1-dichloropropene	6.654	75	379575	50.00	ug/L		93
47) benzene	6.973	78	885353	48.31	ug/L		98
48) 1,2-dichloroethane	7.098	62	572702	53.73	ug/L		91
49) tert-amyl methyl ether	7.257	73	426416	52.96	ug/L		88
50) heptane	7.531	43	300198	48.83	ug/L		82
51) trichloroethene	8.008	95	279316	50.38	ug/L		89
52) 1,2-dichloropropane	8.356	63	272257	47.55	ug/L		98
53) dibromomethane	8.461	93	195693	50.08	ug/L		97
54) bromodichloromethane	8.712	83	440398	53.97	ug/L		99
55) Methylcyclohexane	8.314	83	318089	53.21	ug/L	#	79
56) 2-chloroethyl vinyl ether	9.087	63	4877	15.01	ug/L		94
57) methyl methacrylate	8.490	69	139732	44.18	ug/L	#	62
58) 1,4-dioxane	8.480	88	8371	191.39	ug/L		68
59) cis-1,3-dichloropropene	9.241	75	419556	46.47	ug/L		93
61) 4-methyl-2-pentanone	9.424	43	245202	52.61	ug/L		88
62) toluene	9.605	92	569417	50.60	ug/L		98
63) trans-1,3-dichloropropene	9.893	75	401835	46.98	ug/L		90
64) 1,1,2-trichloroethane	10.099	83	200189	48.86	ug/L		96
65) ethyl methacrylate	9.973	69	275536	44.71	ug/L		71
67) tetrachloroethene	10.158	166	318128	50.46	ug/L		98
68) 1,3-dichloropropane	10.261	76	389540	47.73	ug/L		99
69) dibromochloromethane	10.481	129	333239	54.20	ug/L		100
70) 1,2-dibromoethane	10.589	107	249121	47.69	ug/L		99
71) 2-hexanone	10.333	43	273218	55.55	ug/L		85
72) chlorobenzene	11.087	112	726437	44.72	ug/L		92
73) 1,1,1,2-tetrachloroethane	11.187	131	302667	50.19	ug/L		95
74) ethylbenzene	11.192	91	1264225	49.84	ug/L		94
75) m,p-xylene	11.323	106	925194	85.10	ug/L		85
76) o-xylene	11.690	106	452667	42.91	ug/L		82
77) styrene	11.711	104	757694	46.12	ug/L		85
78) bromoform	11.884	173	233321	43.34	ug/L		99
79) trans-1,4-dichloro-2-b...	12.371	53	115343	45.09	ug/L		86
81) isopropylbenzene	12.043	105	1270606	56.44	ug/L		94
83) bromobenzene	12.332	156	357169	50.38	ug/L		88
84) 1,1,2,2-tetrachloroethane	12.338	83	304440	46.42	ug/L		99
85) 1,2,3-trichloropropane	12.377	75	407594	52.74	ug/L		99
86) n-propylbenzene	12.431	91	1562768	56.64	ug/L		93
87) 2-chlorotoluene	12.509	91	990134	51.98	ug/L		95
88) 4-chlorotoluene	12.621	91	1203189	52.68	ug/L		92
89) 1,3,5-trimethylbenzene	12.601	105	1155399	56.55	ug/L		93
90) tert-butylbenzene	12.887	91	720610	56.72	ug/L		86
91) 1,2,4-trimethylbenzene	12.941	105	1175702	56.29	ug/L		94
92) sec-butylbenzene	13.090	105	1328441	55.78	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27022.D
Acq On : 10 Jan 2014 8:52 am
Operator : amym
Sample : cc1019-50
Misc : MS30950,MSV1022,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 13 09:56:26 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration

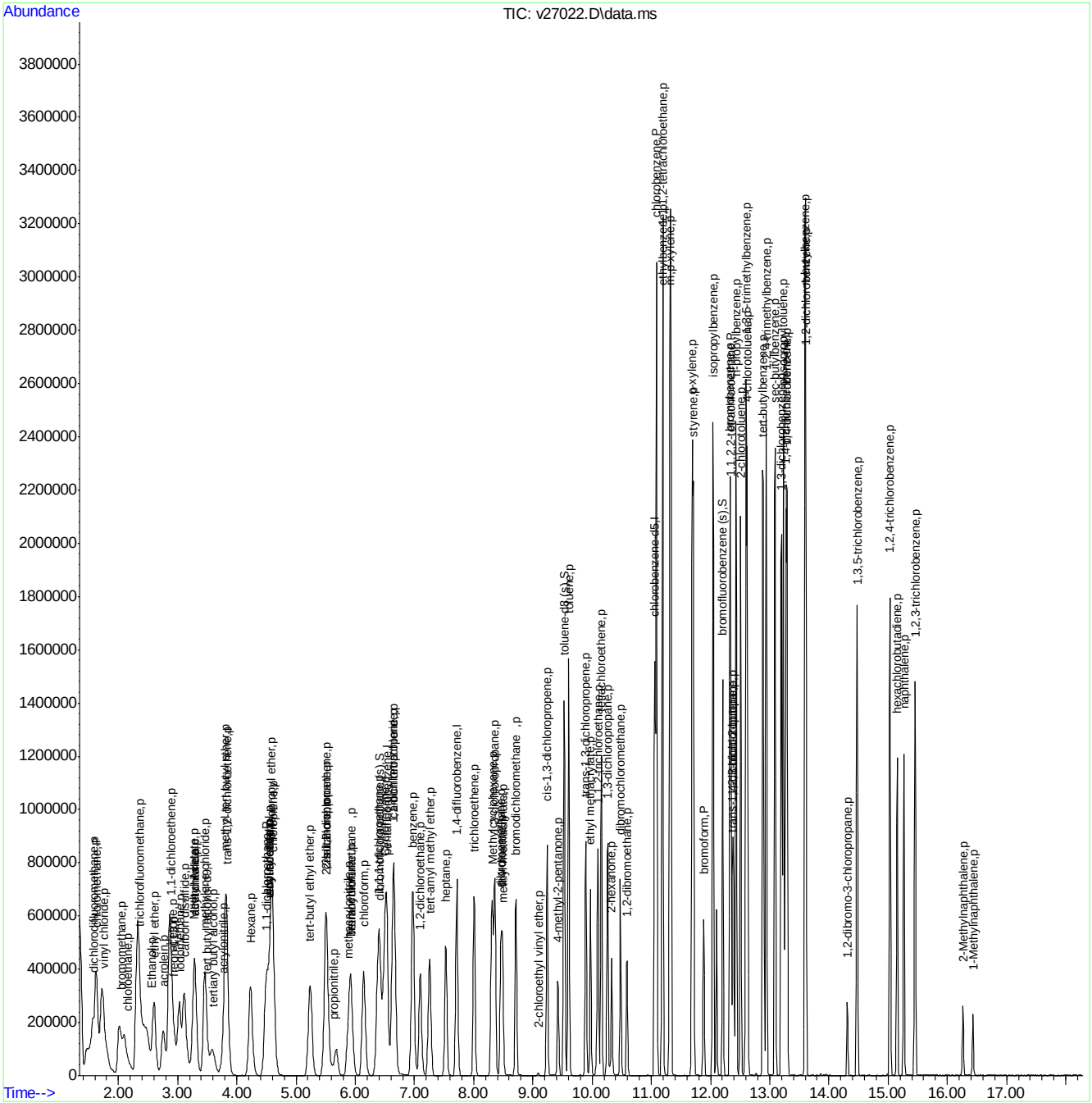
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	13.198	146	680967	48.19	ug/L		99
94)	p-isopropyltoluene	13.231	119	1155030	53.67	ug/L		95
95)	1,4-dichlorobenzene	13.293	146	685053	46.58	ug/L		99
96)	1,2-dichlorobenzene	13.610	146	679869	48.15	ug/L		99
97)	n-butylbenzene	13.596	91	1031341	53.52	ug/L		93
98)	1,2-dibromo-3-chloropr...	14.312	75	57743	52.51	ug/L	#	73
99)	1,3,5-trichlorobenzene	14.476	180	490261	51.79	ug/L		100
100)	1,2,4-trichlorobenzene	15.032	180	452163	54.21	ug/L		97
101)	hexachlorobutadiene	15.153	225	200687	51.34	ug/L		94
102)	naphthalene	15.266	128	764417	43.86	ug/L		100
103)	1,2,3-trichlorobenzene	15.455	180	396599	50.84	ug/L		99
104)	2-Methylnaphthalene	16.264	142	99757	16.34	ug/L		100
105)	1-Methylnaphthalene	16.433	142	92371	17.07	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V140110\
Data File : v27022.D
Acq On : 10 Jan 2014 8:52 am
Operator : amym
Sample : cc1019-50
Misc : MS30950,MSV1022,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 13 09:56:26 2014
Quant Method : C:\msdchem\1\METHODS\v140107w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 16:55:33 2014
Response via : Initial Calibration



Accutest Laboratories of New England, Inc. **Instrument: GCMS V**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS 95202	V 8260 Cal STD	200 ug/mL
9523	V 8260 Cal Gas	
9538	V 8260 BS (Lds)	
9526	V 8260 BS Gas	
9534	V 8260 SS	
9558	V 8260 IS	250 ug/mL

Daily Saved File

Tune file 1:	V26930
Tune file 2:	NA
Initial Cal:	1/7/14
ID File:	V140107W
ICAL Verified:	V26944
Sequence verified:	

Date: 1/7/14

Batch ID: MSV1019

Analysts Ay Yang

Signature:

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
V26926	blk	NA	NA	NA	1	NA	5ml	NA	1:1	NA	
27	↓				2						
28	test S				3						
29	test S				4						
30	BFB				5						
31	blk				6						
32	ICV1019-0.25	3,3	MS95202/9523		7						
33	-0.5				8						
34	-1				9						
35	-2				10						
36	-5		MS9520/9523 +9524		11						
37	-10				12						
38	ICV1019-50				13						
39	ICV1019-100				14						
40	-200				15						
41	-400				16						Gas Low KR
41A/41B	blk	NA	NA		17						
42	ICV1019-400	2,3	MS 95202/9523		18						
43											
44	ICV1019-50	2,2	MS9538/9526		19						
45	BS	NA	↓		20						
46	blk	NA	NA		21						
47	MB	↓	↓		22						
48	MDL -1	NA	MS 30921		23						MC37534-7
49					24						
50					25						
51					26						
52					27						
53					28						
54					29						
55					30						
56	MDL -5	↓	↓	↓	31	↓	↓	↓	↓	↓	MC37534-14

TX = Matrix: Designate W for water, S for soil, O for oil.
ample amount is reported in grams (wet) for soil and oil, mls for water.

S001-05 Date: 07/22/13

Review:

Accutest Laboratories of New England, Inc. **Instrument: GCMS V**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
see	previous page	

Daily Saved File

Tune file 1:	
Tune file 2:	see
Initial Cal:	
ID File:	previous
ICAL Verified:	page
Sequence verified:	

Date: 1/7/14

Batch ID: MSV 1019

Analysts Ay Yang

Signature:

Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
V26857	MDL - 5	NA	MS 3082	NA	32	NA	5ml	NA	1:1	NA	MC27534-14
58					33						
59					34						
60					35						
61					36						
62					37						
63					38						

1/8/14 ay

Matrix: Designate W for water, S for soil, O for oil.

e amount is reported in grams (wet) for soil and oil, mls for water.

5 Date: 07/22/13

Review:

47

Accutest Laboratories of New England, Inc. **Instrument: GCMS V**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS 8522	VBBO Cal STD	200 ug/mL
8523	VBBO BFB Gas	
8538	VBBO BS	
8526	VBBO BS Gas	
8559	VBBO IS/SS	250 ug/mL

Daily Saved File

Tune file 1:	V27022
Tune file 2:	NA
Initial Cal:	01/07/14
ID File:	V14010W
ICAL Verified:	V26944
Sequence verified:	KD

Date: 1/10/14

Batch ID: MSV 1022

Analysts AZ Yang

Signature:

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
V27021	MB	NA	NA	NA	1	NA	5ml	NA	1:1	NA	
22	CC1019-50	3,3	MS 8522/8523		2						✓✓
23	BS	2,2	MS 8538/8526		3						✓✓
24	BSD	↓	↓		4						✓✓
25	MB	NA	NA		5						
26	↓				6						
27	MB	↓	↓	↓	7	↓					✓✓
28	MC27537-5A	1	MS 30856	VBBOTCL	8	WTB				<2	"J" ✓✓ MeOH conf.
29	MC27507-1	3	MS 30850	VBBOSTD	9	GW					✓✓
30	↓ -8	2	↓	↓	10	↓					✓✓
31	MC27508-3	6	MS 30851	VBBOBFBMT	11						✓✓
32	MC27520-4	4	MS 30856	VBBO STD	12						✓✓
33	MC27537-2A	1		VBBOTCL	13						"J" ✓✓
34	-3A	8			14						✓✓
35	-1A	4			15						✓✓
36	-4A	4			16						✓✓
37	-6	1			17						✓✓
38	-7	↓			18						✓✓
39	MC27516-1			VBBOTCLMT	19						
40	-2				20						
41	-3				21						
42	-4				22						
43	-5	↓	↓	↓	23	↓		↓	↓	↓	
X 44	MC27520-1	5		VBBOSTD	24			1:2		RR=1:1	
45	MC27537-2AMS-3B4			VBBOTCL	25			1:1			
46	-2AMSD	↓		↓	26	↓		↓	↓	↓	
47	-3AMS 9/10/10				27						
48	-3AMSD	↓			28						
49	MB	NA	NA	NA	29	NA			NA		
50					30						
51					31						

= Matrix: Designate W for water, S for soil, O for oil.

ple amount is reported in grams (wet) for soil and oil, mls for water.

I1-05 Date: 07/22/13

Review:

ACCUTEST LABORATORIES MC27516

New England ACCUTEST LABORATORIES

02/04/14

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC27551

Sampling Date: 01/02/14

Report to:

WSP Environmental & Energy

Erik.Reinert@WSPGroup.com

ATTN: Erik Reinert

Total number of pages in report: **308**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC27551

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
MC27551-1	01/02/14	11:00	ER	01/09/14	SO	Oil	LBA-MW-35

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environmental & Energy **Job No** MC27551

Site: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca **Report Date** 1/16/2014 12:46:42 PM

1 Sample was collected on 01/02/2014 and were received at Accutest on 01/09/2014 properly preserved, at 1.2 Deg. C and intact. These Samples received an Accutest job number of MC27551. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix: SO **Batch ID:** MSG5188

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27530-1MS, MC27530-1MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for 1,1,1-Trichloroethane, Carbon tetrachloride are outside control limits. Blank Spike meets program technical requirements.
- MC27551-1: Elevated RL due to sample matrix.
- Initial calibration verification standard MSG5179-ICV5179 for Methyl Acetate exceed 30% Difference (response bias high). Associated sample is non-detect for this compound.

Extractables by GC By Method NYDOH 310-13

Matrix: SO **Batch ID:** OP36494

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8082

Matrix: SO **Batch ID:** OP36491

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27551-1MS, MC27551-1MSD were used as the QC samples indicated.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC27551).

Summary of Hits

Job Number: MC27551
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 01/02/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC27551-1	**LBA-MW-35**					
n-Butylbenzene [a]		392 J	4500	160	ug/kg	SW846 8260C
sec-Butylbenzene [a]		319 J	4500	140	ug/kg	SW846 8260C
1,2,4-Trimethylbenzene [a]		235 J	4500	190	ug/kg	SW846 8260C
Total TIC, Volatile		82400 J			ug/kg	
Lubricating Oil (C14-C40)		Match				NYDOH 310-13

(a) Elevated RL due to sample matrix.

New England ACCUTEST LABORATORIES

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Sample Results

Report of Analysis

Accutest LabLink@146686 16:26 04-Feb-2014

Report of Analysis

Client Sample ID:	LBA-MW-35		
Lab Sample ID:	MC27551-1	**Date Sampled:**	01/02/14
Matrix:	SO - Oil	**Date Received:**	01/09/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G134523.D	1	01/10/14	JM	n/a	n/a	MSG5188
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	1.10 g	10.0 ml	50.0 ul
Run #2			

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	9100	3500	ug/kg	
71-43-2	Benzene	ND	450	220	ug/kg	
75-27-4	Bromodichloromethane	ND	1800	330	ug/kg	
75-25-2	Bromoform	ND	1800	260	ug/kg	
74-83-9	Bromomethane	ND	1800	890	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4500	2800	ug/kg	
104-51-8	n-Butylbenzene	392	4500	160	ug/kg	J
135-98-8	sec-Butylbenzene	319	4500	140	ug/kg	J
98-06-6	tert-Butylbenzene	ND	4500	320	ug/kg	
75-15-0	Carbon disulfide	ND	4500	140	ug/kg	
56-23-5	Carbon tetrachloride	ND	1800	1100	ug/kg	
108-90-7	Chlorobenzene	ND	1800	250	ug/kg	
75-00-3	Chloroethane	ND	4500	540	ug/kg	
67-66-3	Chloroform	ND	1800	260	ug/kg	
74-87-3	Chloromethane	ND	4500	1100	ug/kg	
110-82-7	Cyclohexane	ND	4500	240	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4500	1800	ug/kg	
124-48-1	Dibromochloromethane	ND	1800	390	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1800	510	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1800	190	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1800	200	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1800	180	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	1800	1000	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1800	300	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1800	490	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1800	470	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1800	460	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1800	410	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1800	380	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1800	260	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1800	270	ug/kg	
100-41-4	Ethylbenzene	ND	1800	160	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-35		
Lab Sample ID:	MC27551-1	**Date Sampled:**	01/02/14
Matrix:	SO - Oil	**Date Received:**	01/09/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	4500	830	ug/kg	
591-78-6	2-Hexanone	ND	4500	2200	ug/kg	
98-82-8	Isopropylbenzene	ND	4500	250	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4500	140	ug/kg	
79-20-9	Methyl Acetate	ND	4500	2500	ug/kg	
108-87-2	Methylcyclohexane	ND	4500	190	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1800	360	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4500	1700	ug/kg	
75-09-2	Methylene chloride	ND	1800	1400	ug/kg	
91-20-3	Naphthalene	ND	4500	710	ug/kg	
103-65-1	n-Propylbenzene	ND	4500	220	ug/kg	
100-42-5	Styrene	ND	4500	190	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1800	270	ug/kg	
127-18-4	Tetrachloroethene	ND	1800	400	ug/kg	
108-88-3	Toluene	ND	4500	220	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4500	330	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1800	160	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1800	320	ug/kg	
79-01-6	Trichloroethene	ND	1800	430	ug/kg	
75-69-4	Trichlorofluoromethane	ND	1800	950	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	235	4500	190	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	4500	120	ug/kg	
75-01-4	Vinyl chloride	ND	1800	520	ug/kg	
	m,p-Xylene	ND	1800	260	ug/kg	
95-47-6	o-Xylene	ND	1800	190	ug/kg	
1330-20-7	Xylene (total)	ND	1800	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	118%		70-130%
2037-26-5	Toluene-D8	112%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
930-89-2	Cyclopentane, 1-ethyl-2-methyl-, cis-	10.28	6200	ug/kg	JN
6294-39-9	Cyclohexane, 1-bromo-2-methyl-	10.97	7200	ug/kg	JN
17302-28-2	Nonane, 2,6-dimethyl-	11.16	6000	ug/kg	JN
1678-93-9	Cyclohexane, butyl-	11.74	6400	ug/kg	JN
2958-76-1	Naphthalene, decahydro-2-methyl-	13.08	10000	ug/kg	JN

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-35		
Lab Sample ID:	MC27551-1	**Date Sampled:**	01/02/14
Matrix:	SO - Oil	**Date Received:**	01/09/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
24145-89-9	Cis-1,4-dimethyladamantane	13.26	4700	ug/kg	JN
	Unknown Naphthalene	13.35	5400	ug/kg	JN
	Uknown Ethanone	14.12	19000	ug/kg	JN
	Unknown	14.47	5300	ug/kg	JN
	Unknown	14.59	6700	ug/kg	JN
	Unknown Naphthalene	15.47	5500	ug/kg	JN
	Total TIC, Volatile		82400	ug/kg	J

(a) Elevated RL due to sample matrix.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@146686 16:26 04-Feb-2014

Report of Analysis

Client Sample ID:	LBA-MW-35		
Lab Sample ID:	MC27551-1	**Date Sampled:**	01/02/14
Matrix:	SO - Oil	**Date Received:**	01/09/14
Method:	SW846 8082 SW846 3580A	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK33952.D	1	01/15/14	NK	01/10/14	OP36491	GBK1114
Run #2							

	Initial Weight	Final Volume
Run #1	1.03 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	490	220	ug/kg	
11104-28-2	Aroclor 1221	ND	490	290	ug/kg	
11141-16-5	Aroclor 1232	ND	490	230	ug/kg	
53469-21-9	Aroclor 1242	ND	490	240	ug/kg	
12672-29-6	Aroclor 1248	ND	490	220	ug/kg	
11097-69-1	Aroclor 1254	ND	490	360	ug/kg	
11096-82-5	Aroclor 1260	ND	490	250	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	111%		30-150%
877-09-8	Tetrachloro-m-xylene	71%		30-150%
2051-24-3	Decachlorobiphenyl	106%		30-150%
2051-24-3	Decachlorobiphenyl	95%		30-150%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@146686 16:26 04-Feb-2014

Report of Analysis

Client Sample ID:	LBA-MW-35		
Lab Sample ID:	MC27551-1	**Date Sampled:**	01/02/14
Matrix:	SO - Oil	**Date Received:**	01/09/14
Method:	NYDOH 310-13 SW846 3580A	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC659563.D	1	01/11/14	ZB	01/10/14	OP36494	GBC3562
Run #2							

	Initial Weight	Final Volume
Run #1	0.587 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	No Match			
	Turpentine (C9-C11)	No Match			
	Mineral Spirits (C9-C12)	No Match			
	Kerosene (C9-C18)	No Match			
	Diesel Fuel (C9-C22)	No Match			
	Fuel Oil #2 (C11-C22)	No Match			
	Fuel Oil #4 (C11-C24)	No Match			
	Fuel Oil #6 (C11-C26)	No Match			
	Lubricating Oil (C14-C40)	Match			
	Other Patterns	No Match			

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY RECORD

Page 1 of 1

Project Number:	Site and Location:
4255/5	EPT Ithaca Due Diligence

Contact Name:	Contact Email:
Erik.Reinert@	wspgroup.com

Sampler's Name:	Sampler's Signature:
Erik Reinert	

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

№ 002028

MC27551

Sample Identification:	Date	Time	Matrix	Number of Containers	TCL VOCs + TICs (CP-51 list) *	CP-51 VOCs *	TPH via DoH 310-13	PCBs	Remarks
LBA-MW-35 (-1)	1/6/14	1100	OW	1	X	X	X	X	*Run TCL+CP-51 VOCs at same time
									20B

Relinquished by (Signature):	Date / Time	Received by (Signature):
	1/6/14 1630	
Relinquished by (Signature):	Date / Time	Received by (Signature):
	1/8/14 1730	1/8/14

Turn-Around Time: 5-day

Tracking Number:

Laboratory Name: Accutest

Laboratory Location: Marlborough MA

Custody Seal Numbers: NA

Method of Shipment: Lab Courier / Fedex

WSP ENVIRONMENTAL STRATEGIES 1230

Brownell 1-9-14

☒ Reston Office: 11911 Freedom Dr, # 900, Reston, VA 20190
Tel: (703) 709-6500, Fax: (703) 709-8505

☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220
Tel: (412) 604-1040, Fax: (412) 604-1055

☐ Denver Office: 4600 South Ulster, # 930, Denver, CO 80237
Tel: (303) 850-9200, Fax: (303) 850-9214

☐ Minneapolis Office: 123 North 3rd St, #706, Minneapolis, MN 55401
Tel: (612) 343-0510, Fax: (612) 343-0506

1.2°C

SYRACUSE SC

MC27551: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC27551 **Client:** WSP **Immediate Client Services Action Required:** No

Date / Time Received: 1/9/2014 **Delivery Method:** **Client Service Action Required at Login:** No

Project: 4255/5 **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	Infared gun	
3. Cooler media:	Ice (bag)	

Quality Control -Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☐	☑
2. Trip Blank listed on COC:	☐	☐	☑
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC27551: Chain of Custody
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Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC27551

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC27551-1 Collected: 02-JAN-14 11:00 By: ER			Received: 09-JAN-14 By:			
LBA-MW-35						
MC27551-1	SW846 8260C	10-JAN-14 14:06	JM			V8260SL+
MC27551-1	NYDOH 310-13	11-JAN-14 11:27	ZB	10-JAN-14	AW	BNY310TPH
MC27551-1	SW846 8082	15-JAN-14 11:19	NK	10-JAN-14	NE	P8082PCB

Accutest Internal Chain of Custody

Job Number: MC27551
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 01/09/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC27551-1.1	Walk In Ref #5	Nicole Estey	01/10/14 15:03	Retrieve from Storage
MC27551-1.1	Nicole Estey	Walk In Ref #5	01/13/14 21:06	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC27551
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5188-MB	G134517.D	1	01/10/14	JM	n/a	n/a	MSG5188

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27551-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	190	ug/kg	
71-43-2	Benzene	ND	25	12	ug/kg	
75-27-4	Bromodichloromethane	ND	100	18	ug/kg	
75-25-2	Bromoform	ND	100	15	ug/kg	
74-83-9	Bromomethane	ND	100	49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	250	150	ug/kg	
104-51-8	n-Butylbenzene	ND	250	8.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	250	7.9	ug/kg	
98-06-6	tert-Butylbenzene	ND	250	18	ug/kg	
75-15-0	Carbon disulfide	ND	250	7.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	58	ug/kg	
108-90-7	Chlorobenzene	ND	100	13	ug/kg	
75-00-3	Chloroethane	ND	250	30	ug/kg	
67-66-3	Chloroform	ND	100	14	ug/kg	
74-87-3	Chloromethane	ND	250	61	ug/kg	
110-82-7	Cyclohexane	ND	250	13	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	100	ug/kg	
124-48-1	Dibromochloromethane	ND	100	21	ug/kg	
106-93-4	1,2-Dibromoethane	ND	100	28	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	100	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	100	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	100	10	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	100	56	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	27	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	26	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	22	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	15	ug/kg	
100-41-4	Ethylbenzene	ND	100	8.9	ug/kg	
76-13-1	Freon 113	ND	250	46	ug/kg	
591-78-6	2-Hexanone	ND	250	120	ug/kg	
98-82-8	Isopropylbenzene	ND	250	14	ug/kg	
99-87-6	p-Isopropyltoluene	ND	250	8.0	ug/kg	

Method Blank Summary

Job Number: MC27551
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5188-MB	G134517.D	1	01/10/14	JM	n/a	n/a	MSG5188

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27551-1

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	250	140	ug/kg	
108-87-2	Methylcyclohexane	ND	250	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	100	20	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	92	ug/kg	
75-09-2	Methylene chloride	ND	100	77	ug/kg	
91-20-3	Naphthalene	ND	250	39	ug/kg	
103-65-1	n-Propylbenzene	ND	250	12	ug/kg	
100-42-5	Styrene	ND	250	10	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	15	ug/kg	
127-18-4	Tetrachloroethene	ND	100	22	ug/kg	
108-88-3	Toluene	ND	250	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100	9.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	17	ug/kg	
79-01-6	Trichloroethene	ND	100	24	ug/kg	
75-69-4	Trichlorofluoromethane	ND	100	52	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	250	10	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	250	6.5	ug/kg	
75-01-4	Vinyl chloride	ND	100	28	ug/kg	
	m,p-Xylene	ND	100	14	ug/kg	
95-47-6	o-Xylene	ND	100	10	ug/kg	
1330-20-7	Xylene (total)	ND	100	10	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	115%	70-130%
2037-26-5	Toluene-D8	112%	70-130%
460-00-4	4-Bromofluorobenzene	105%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: MC27551
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5188-BS	G134514.D	1	01/10/14	JM	n/a	n/a	MSG5188

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27551-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	2500	2470	99	70-130
71-43-2	Benzene	2500	2200	88	70-130
75-27-4	Bromodichloromethane	2500	2790	112	70-130
75-25-2	Bromoform	2500	2680	107	70-130
74-83-9	Bromomethane	2500	2690	108	70-130
78-93-3	2-Butanone (MEK)	2500	2170	87	70-130
104-51-8	n-Butylbenzene	2500	2300	92	70-130
135-98-8	sec-Butylbenzene	2500	2270	91	70-130
98-06-6	tert-Butylbenzene	2500	2430	97	70-130
75-15-0	Carbon disulfide	2500	2150	86	70-130
56-23-5	Carbon tetrachloride	2500	3320	133* [a]	70-130
108-90-7	Chlorobenzene	2500	2200	88	70-130
75-00-3	Chloroethane	2500	2680	107	70-130
67-66-3	Chloroform	2500	2570	103	70-130
74-87-3	Chloromethane	2500	2160	86	70-130
110-82-7	Cyclohexane	2500	2910	116	70-130
96-12-8	1,2-Dibromo-3-chloropropane	2500	2080	83	70-130
124-48-1	Dibromochloromethane	2500	2740	110	70-130
106-93-4	1,2-Dibromoethane	2500	2350	94	70-130
95-50-1	1,2-Dichlorobenzene	2500	2180	87	70-130
541-73-1	1,3-Dichlorobenzene	2500	2250	90	70-130
106-46-7	1,4-Dichlorobenzene	2500	2280	91	70-130
75-71-8	Dichlorodifluoromethane	2500	2520	101	70-130
75-34-3	1,1-Dichloroethane	2500	2560	102	70-130
107-06-2	1,2-Dichloroethane	2500	2840	114	70-130
75-35-4	1,1-Dichloroethene	2500	2290	92	70-130
156-59-2	cis-1,2-Dichloroethene	2500	2330	93	70-130
156-60-5	trans-1,2-Dichloroethene	2500	2430	97	70-130
78-87-5	1,2-Dichloropropane	2500	2240	90	70-130
10061-01-5	cis-1,3-Dichloropropene	2500	2370	95	70-130
10061-02-6	trans-1,3-Dichloropropene	2500	2750	110	70-130
100-41-4	Ethylbenzene	2500	2380	95	70-130
76-13-1	Freon 113	2500	2710	108	70-130
591-78-6	2-Hexanone	2500	2480	99	70-130
98-82-8	Isopropylbenzene	2500	2290	92	70-130
99-87-6	p-Isopropyltoluene	2500	2490	100	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC27551
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSG5188-BS	G134514.D	1	01/10/14	JM	n/a	n/a	MSG5188

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27551-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
79-20-9	Methyl Acetate	2500	1540	62	33-141
108-87-2	Methylcyclohexane	2500	2870	115	78-140
1634-04-4	Methyl Tert Butyl Ether	2500	2470	99	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	2500	2490	100	70-130
75-09-2	Methylene chloride	2500	2270	91	70-130
91-20-3	Naphthalene	2500	1990	80	70-130
103-65-1	n-Propylbenzene	2500	2100	84	70-130
100-42-5	Styrene	2500	2350	94	70-130
79-34-5	1,1,2,2-Tetrachloroethane	2500	1920	77	70-130
127-18-4	Tetrachloroethene	2500	2420	97	70-130
108-88-3	Toluene	2500	2490	100	70-130
120-82-1	1,2,4-Trichlorobenzene	2500	2430	97	70-130
71-55-6	1,1,1-Trichloroethane	2500	3400	136* [a]	70-130
79-00-5	1,1,2-Trichloroethane	2500	2290	92	70-130
79-01-6	Trichloroethene	2500	2460	98	70-130
75-69-4	Trichlorofluoromethane	2500	3030	121	70-130
95-63-6	1,2,4-Trimethylbenzene	2500	2360	94	70-130
108-67-8	1,3,5-Trimethylbenzene	2500	2380	95	70-130
75-01-4	Vinyl chloride	2500	2890	116	70-130
	m,p-Xylene	5000	4530	91	70-130
95-47-6	o-Xylene	2500	2220	89	70-130
1330-20-7	Xylene (total)	7500	6740	90	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	118%	70-130%
2037-26-5	Toluene-D8	114%	70-130%
460-00-4	4-Bromofluorobenzene	99%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC27551
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC27530-1MS	G134519.D	1	01/10/14	JM	n/a	n/a	MSG5188
MC27530-1MSD	G134520.D	1	01/10/14	JM	n/a	n/a	MSG5188
MC27530-1	G134518.D	1	01/10/14	JM	n/a	n/a	MSG5188

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27551-1

CAS No.	Compound	MC27530-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	751		4460	5990	117	5020	96	18	70-130/30
71-43-2	Benzene	ND		4460	4060	91	4110	92	1	70-130/30
75-27-4	Bromodichloromethane	ND		4460	5050	113	5260	118	4	70-130/30
75-25-2	Bromoform	ND		4460	4960	111	5230	117	5	70-130/30
74-83-9	Bromomethane	ND		4460	4820	108	4660	104	3	70-130/30
78-93-3	2-Butanone (MEK)	ND		4460	4720	106	4590	103	3	70-130/30
104-51-8	n-Butylbenzene	ND		4460	4150	93	4160	93	0	70-130/30
135-98-8	sec-Butylbenzene	ND		4460	4160	93	4160	93	0	70-130/30
98-06-6	tert-Butylbenzene	ND		4460	4460	100	4450	100	0	70-130/30
75-15-0	Carbon disulfide	ND		4460	3920	88	3870	87	1	70-130/30
56-23-5	Carbon tetrachloride	ND		4460	5600	125	5820	130	4	70-130/30
108-90-7	Chlorobenzene	ND		4460	4090	92	4110	92	0	70-130/30
75-00-3	Chloroethane	ND		4460	4700	105	4620	103	2	70-130/30
67-66-3	Chloroform	ND		4460	4790	107	4680	105	2	70-130/30
74-87-3	Chloromethane	ND		4460	3640	82	3550	80	3	70-130/30
110-82-7	Cyclohexane	ND		4460	4250	95	4410	99	4	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		4460	4270	96	4100	92	4	70-130/30
124-48-1	Dibromochloromethane	ND		4460	5150	115	5150	115	0	70-130/30
106-93-4	1,2-Dibromoethane	ND		4460	4560	102	4420	99	3	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		4460	3980	89	3990	89	0	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		4460	4070	91	4230	95	4	70-130/30
106-46-7	1,4-Dichlorobenzene	125		4460	4260	93	4380	95	3	70-130/30
75-71-8	Dichlorodifluoromethane	ND		4460	3770	84	4080	91	8	70-130/30
75-34-3	1,1-Dichloroethane	ND		4460	4660	104	4560	102	2	70-130/30
107-06-2	1,2-Dichloroethane	ND		4460	5220	117	5370	120	3	70-130/30
75-35-4	1,1-Dichloroethene	ND		4460	4420	99	4310	97	3	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		4460	4280	96	4160	93	3	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		4460	4240	95	4440	99	5	70-130/30
78-87-5	1,2-Dichloropropane	ND		4460	4060	91	4210	94	4	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		4460	4290	96	4450	100	4	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		4460	5050	113	5220	117	3	70-130/30
100-41-4	Ethylbenzene	ND		4460	4450	100	4390	98	1	70-130/30
76-13-1	Freon 113	ND		4460	4840	108	4470	100	8	70-130/30
591-78-6	2-Hexanone	ND		4460	4720	106	4470	100	5	70-130/30
98-82-8	Isopropylbenzene	ND		4460	4310	97	4310	97	0	70-130/30
99-87-6	p-Isopropyltoluene	ND		4460	4480	100	4420	99	1	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC27551
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC27530-1MS	G134519.D	1	01/10/14	JM	n/a	n/a	MSG5188
MC27530-1MSD	G134520.D	1	01/10/14	JM	n/a	n/a	MSG5188
MC27530-1	G134518.D	1	01/10/14	JM	n/a	n/a	MSG5188

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27551-1

CAS No.	Compound	MC27530-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
79-20-9	Methyl Acetate	ND		4460	3160	71	3020	68	5	30-160/30
108-87-2	Methylcyclohexane	ND		4460	4550	102	4200	94	8	43-163/30
1634-04-4	Methyl Tert Butyl Ether	ND		4460	4800	108	4730	106	1	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		4460	4980	112	4880	109	2	70-130/30
75-09-2	Methylene chloride	ND		4460	4200	94	4120	92	2	70-130/30
91-20-3	Naphthalene	ND		4460	4050	91	4100	92	1	70-130/30
103-65-1	n-Propylbenzene	ND		4460	4000	90	3950	88	1	70-130/30
100-42-5	Styrene	ND		4460	4390	98	4390	98	0	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		4460	3830	86	3790	85	1	70-130/30
127-18-4	Tetrachloroethene	ND		4460	4680	105	4410	99	6	70-130/30
108-88-3	Toluene	ND		4460	4540	102	4670	105	3	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		4460	4510	101	4600	103	2	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		4460	5080	114	5150	115	1	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		4460	4280	96	4440	99	4	70-130/30
79-01-6	Trichloroethene	ND		4460	4560	102	4550	102	0	70-130/30
75-69-4	Trichlorofluoromethane	ND		4460	4820	108	4970	111	3	70-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		4460	4280	96	4360	98	2	70-130/30
108-67-8	1,3,5-Trimethylbenzene	ND		4460	4350	97	4350	97	0	70-130/30
75-01-4	Vinyl chloride	ND		4460	5080	114	4930	110	3	70-130/30
	m,p-Xylene	ND		8930	8570	96	8380	94	2	70-130/30
95-47-6	o-Xylene	ND		4460	4080	91	4090	92	0	70-130/30
1330-20-7	Xylene (total)	ND		13400	12600	94	12500	93	1	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC27530-1	Limits
1868-53-7	Dibromofluoromethane	116%	116%	104%	70-130%
2037-26-5	Toluene-D8	111%	114%	100%	70-130%
460-00-4	4-Bromofluorobenzene	98%	100%	89%	70-130%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC27551
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSG5179-BFB
Lab File ID: G134315.D
Instrument ID: GCMSG
Injection Date: 12/24/13
Injection Time: 10:27

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	12436	22.8		Pass
75	30.0 - 60.0% of mass 95	24688	45.3		Pass
95	Base peak, 100% relative abundance	54453	100.0		Pass
96	5.0 - 9.0% of mass 95	3584	6.58		Pass
173	Less than 2.0% of mass 174	152	0.28	(0.41) [a]	Pass
174	50.0 - 150.0% of mass 95	37410	68.7		Pass
175	5.0 - 9.0% of mass 174	2809	5.16	(7.51) [a]	Pass
176	95.0 - 101.0% of mass 174	36760	67.5	(98.3) [a]	Pass
177	5.0 - 9.0% of mass 176	2234	4.10	(6.08) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSG5179-IC5179	G134316.D	12/24/13	10:56	00:29	Initial cal 0.5
MSG5179-IC5179	G134317.D	12/24/13	11:25	00:58	Initial cal 2
MSG5179-IC5179	G134318.D	12/24/13	11:54	01:27	Initial cal 5
MSG5179-IC5179	G134319.D	12/24/13	12:22	01:55	Initial cal 10
MSG5179-IC5179	G134320.D	12/24/13	12:51	02:24	Initial cal 25
MSG5179-ICC5179	G134321.D	12/24/13	13:19	02:52	Initial cal 50
MSG5179-IC5179	G134322.D	12/24/13	13:48	03:21	Initial cal 100
MSG5179-IC5179	G134323.D	12/24/13	14:18	03:51	Initial cal 200
MSG5179-IC5179	G134324.D	12/24/13	14:46	04:19	Initial cal 400
MSG5179-ICV5179	G134328.D	12/24/13	16:43	06:16	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC27551
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSG5188-BFB
Lab File ID: G134513.D
Instrument ID: GCMSG
Injection Date: 01/10/14
Injection Time: 08:45

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	8362	22.7		Pass
75	30.0 - 60.0% of mass 95	17659	48.0		Pass
95	Base peak, 100% relative abundance	36765	100.0		Pass
96	5.0 - 9.0% of mass 95	2008	5.46		Pass
173	Less than 2.0% of mass 174	91	0.25	(0.33) [a]	Pass
174	50.0 - 150.0% of mass 95	27885	75.8		Pass
175	5.0 - 9.0% of mass 174	2084	5.67	(7.47) [a]	Pass
176	95.0 - 101.0% of mass 174	26706	72.6	(95.8) [a]	Pass
177	5.0 - 9.0% of mass 176	1662	4.52	(6.22) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSG5188-CC5179	G134513.D	01/10/14	08:45	00:00	Continuing cal 50
MSG5188-BS	G134514.D	01/10/14	09:13	00:28	Blank Spike
MSG5188-MB	G134517.D	01/10/14	10:40	01:55	Method Blank
MC27530-1	G134518.D	01/10/14	11:09	02:24	(used for QC only; not part of job MC27551)
MC27530-1MS	G134519.D	01/10/14	11:38	02:53	Matrix Spike
MC27530-1MSD	G134520.D	01/10/14	12:06	03:21	Matrix Spike Duplicate
MC27551-1	G134523.D	01/10/14	14:06	05:21	LBA-MW-35

Volatile Internal Standard Area Summary

Job Number: MC27551
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	MSG5188-CC5179	**Injection Date:**	01/10/14
Lab File ID:	G134513.D	**Injection Time:**	08:45
Instrument ID:	GCMSG	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	117497	5.07	186524	6.19	107280	9.54	97737	12.16	72577	3.09
Upper Limit [a]	234994	5.57	373048	6.69	214560	10.04	195474	12.66	145154	3.59
Lower Limit [b]	58749	4.57	93262	5.69	53640	9.04	48869	11.66	36289	2.59

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSG5188-BS	116278	5.07	185618	6.19	107815	9.54	99451	12.16	66196	3.09
MSG5188-MB	119348	5.06	192420	6.19	111058	9.53	95866	12.16	82412	3.10
MC27530-1	115729	5.07	185030	6.19	105622	9.53	97741	12.16	77207	3.09
MC27530-1MS	115261	5.07	187583	6.19	105509	9.53	95978	12.16	81162	3.09
MC27530-1MSD	115459	5.07	181631	6.19	105406	9.53	95384	12.16	74657	3.09
MC27551-1 [c]	117171	5.07	187433	6.19	106343	9.54	92920	12.16	77002	3.08

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Elevated RL due to sample matrix.

Volatile Surrogate Recovery Summary

Job Number: MC27551
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8260C **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC27551-1	G134523.D	118.0	112.0	103.0
MC27530-1MS	G134519.D	116.0	111.0	98.0
MC27530-1MSD	G134520.D	116.0	114.0	100.0
MSG5188-BS	G134514.D	118.0	114.0	99.0
MSG5188-MB	G134517.D	115.0	112.0	105.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC27551 **Sample:** MSG5179-ICC5179
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G134321.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report MSG

Method : C:\msdchem\1\METHODS\g131224s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration

Calibration Files
10 =G134319.D 2 =G134317.D 5 =G134318.D 50 =G134321.D
100 =G134322.D 200 =G134323.D 400 =G134324.D 0.5 =G134316.D
25 =G134320.D =

Compound	10	2	5	50	100	200	400	0.5	25	Avg	%RSD
1) I tert butyl alcohol-d9	----------ISTD----------										
2) tertiary butyl alcohol	0.891		1.104	0.953	0.954	0.950	0.949		0.999	0.971	6.82
3) Ethanol	0.135	0.216	0.175	0.128	0.123	0.119	0.120		0.140	0.145	23.70
	---- Linear regression ---- Coefficient = 0.9999										
	Response Ratio = 0.05871 + 0.11917 *A										
4) I pentafluorobenzene	----------ISTD----------										
5) dichlorodifluoromethane	0.337	0.279	0.392	0.399	0.356	0.360	0.353		0.409	0.361	11.54
6) chloromethane	0.741		0.793	0.861	0.766	0.779	0.771		0.860	0.796	5.88
7) vinyl chloride	0.278	0.260	0.301	0.309	0.265	0.260	0.230		0.307	0.276	10.04
8) bromomethane	0.223	0.207	0.256	0.266	0.234	0.241	0.233		0.267	0.241	8.79
9) chloroethane	0.221		0.251	0.275	0.246	0.247	0.235		0.273	0.250	7.69
10) ethyl ether	0.383		0.452	0.419	0.432	0.422	0.429		0.411	0.421	5.08
11) acetonitrile	0.723		0.766	0.746	0.743	0.702	0.745		0.810	0.748	4.56
12) trichlorofluoromethane	0.574	0.550	0.619	0.669	0.596	0.594	0.589		0.662	0.607	6.79
13) freon-113	0.392		0.485	0.484	0.462	0.448	0.454		0.498	0.460	7.66
14) acrolein	0.068		0.078	0.084	0.078	0.081	0.084		0.081	0.079	6.71
15) 1,1-dichloroethene	0.427	0.532	0.517	0.519	0.473	0.496	0.484		0.495	0.493	6.71
16) acetone	0.079			0.083	0.081	0.071	0.065		0.081	0.076#	9.13
17) Methyl Acetate	0.767		0.858	0.833	0.793	0.802	0.806		0.781	0.806	3.86
18) methylene chloride	0.426	0.516	0.500	0.478	0.451	0.452	0.438		0.456	0.464	6.69
19) methyl tert butyl ether	1.030	1.350	1.212	1.116	1.161	1.143	1.150		1.129	1.161	7.90
20) acrylonitrile	0.249		0.286	0.289	0.268	0.277	0.281		0.262	0.273	5.30
21) allyl chloride	0.723		0.766	0.782	0.765	0.724	0.777		0.837	0.768	5.05

Initial Calibration Summary

Job Number: MC27551 **Sample:** MSG5179-ICC5179
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G134321.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

22)	trans-1,2-dichloroethene										
		0.383	0.527	0.389	0.448	0.410	0.410	0.428	0.427	0.428	10.60
23)	iodomethane										
		0.612		0.691	0.720	0.677	0.675	0.666	0.706	0.678	5.12
24)	carbon disulfide										
		1.222		1.401	1.480	1.370	1.410	1.413	1.443	1.392	5.91
25)	propionitrile										
		0.091		0.108	0.109	0.101	0.103	0.104	0.100	0.102	5.83
26)	vinyl acetate										
		1.255		1.517	1.445	1.432	1.459	1.466	1.442	1.431	5.77
27)	chloroprene										
		0.790		0.923	0.903	0.882	0.865	0.874	0.910	0.878	5.02
28)	di-isopropyl ether										
		1.913	2.627	2.214	2.187	2.128	2.105	2.128	2.132	2.179	9.26
29)	methacrylonitrile										
		0.480		0.584	0.538	0.511	0.531	0.533	0.529	0.529	5.93
30)	2-butanone										
		0.059		0.057	0.059	0.057	0.052	0.051	0.056	0.056#	5.25
31)	Ethyl Acetate										
		0.126		0.170	0.133	0.132	0.134	0.132	0.143	0.139	10.59
32)	Hexane										
		0.539		0.640	0.538	0.500	0.507	0.463	0.559	0.535	10.49
33)	1,1-dichloroethane										
		0.836	1.038	0.902	0.945	0.891	0.874	0.910	0.925	0.915	6.53
34)	tert-butyl ethyl ether										
		1.499	1.954	1.750	1.698	1.660	1.658	1.692	1.637	1.694	7.55
35)	isobutyl alcohol										
		0.029		0.041	0.034	0.032	0.034	0.035	0.028	0.033#	12.47
36)	2,2-dichloropropane										
		0.244		0.264	0.264	0.253	0.218	0.213	0.288	0.249	10.71
37)	cis-1,2-dichloroethene										
		0.390	0.570	0.469	0.453	0.434	0.432	0.441	0.432	0.452	11.58
38)	bromochloromethane										
		0.187		0.229	0.214	0.212	0.206	0.209	0.213	0.210	5.89
39)	chloroform										
		0.674	0.939	0.768	0.747	0.721	0.712	0.733	0.742	0.754	10.54
40)	dibromofluoromethane (s)										
		0.336		0.364	0.364	0.364	0.361	0.362	0.363	0.359	2.88
41)	Tetrahydrofuran										
		0.179		0.218	0.202	0.201	0.199	0.197	0.200	0.199	5.57
42)	1,1,1-trichloroethane										
		0.444	0.618	0.498	0.487	0.507	0.453	0.496	0.552	0.507	11.03
43)	I 1,4-difluorobenzene	----------ISTD----------									
44)	Cyclohexane										
		0.506		0.555	0.497	0.506	0.495	0.479	0.543	0.512	5.34
45)	carbon tetrachloride										
		0.304	0.392	0.319	0.336	0.321	0.312	0.321	0.341	0.331	8.24
46)	1,1-dichloropropene										
		0.319		0.372	0.343	0.323	0.327	0.330	0.348	0.337	5.52
47)	benzene										
		0.915	1.194	1.097	0.977	0.925	0.905	0.910	1.333 0.979	1.026	14.71
48)	1,2-dichloroethane										
		0.393	0.498	0.426	0.410	0.396	0.391	0.391	0.409	0.414	8.72
49)	tert-amyl methyl ether										
		0.633		0.745	0.678	0.662	0.685	0.678	0.641	0.674	5.47
50)	heptane										
		0.782		0.944	0.843	0.792	0.817	0.800	0.857	0.834	6.68
51)	trichloroethene										
		0.241	0.324	0.297	0.275	0.258	0.257	0.260	0.363 0.273	0.283	13.72

Initial Calibration Summary

Job Number: MC27551 **Sample:** MSG5179-ICC5179
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G134321.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

52) 1,2-dichloropropane
0.295 0.390 0.350 0.325 0.310 0.310 0.313 0.328 0.328 9.13
53) dibromomethane
0.147 0.172 0.161 0.157 0.156 0.157 0.156 0.158 4.82
54) bromodichloromethane
0.301 0.411 0.344 0.330 0.323 0.330 0.334 0.334 0.338 9.48
55) Methylcyclohexane
0.333 0.345 0.331 0.314 0.297 0.305 0.373 0.328 7.88
56) 2-chloroethyl vinyl ether
0.100 0.116 0.114 0.111 0.119 0.123 0.106 0.113 6.72
57) methyl methacrylate
0.163 0.189 0.181 0.174 0.179 0.178 0.166 0.176 5.08
58) 1,4-dioxane
0.002 0.002 0.003 0.003 0.004 0.004 0.003 0.003# 20.55
---- Linear regression ---- Coefficient = 0.9994
Response Ratio = -0.00215 + 0.00361 *A

59) cis-1,3-dichloropropene
0.384 0.508 0.447 0.426 0.415 0.422 0.427 0.421 0.431 8.26
60) toluene-d8 (s)
0.796 0.871 0.862 0.836 0.830 0.831 0.855 0.840 3.02
61) 4-methyl-2-pentanone
0.425 0.506 0.479 0.466 0.484 0.488 0.465 0.473 5.42
62) toluene
0.588 0.683 0.627 0.602 0.607 0.597 0.635 0.620 5.21
63) trans-1,3-dichloropropene
0.335 0.431 0.393 0.375 0.366 0.372 0.363 0.360 0.374 7.53
64) 1,1,2-trichloroethane
0.175 0.242 0.212 0.191 0.185 0.187 0.186 0.184 0.195 11.04
65) ethyl methacrylate
0.292 0.347 0.324 0.315 0.325 0.321 0.303 0.318 5.44

66) I chlorobenzene-d5 ----------ISTD----------
67) tetrachloroethene
0.417 0.570 0.504 0.447 0.426 0.433 0.436 0.677 0.472 0.487 17.64
68) 1,3-dichloropropane
0.628 0.751 0.692 0.664 0.684 0.686 0.702 0.687 5.46
69) dibromochloromethane
0.404 0.535 0.499 0.493 0.472 0.488 0.494 0.471 0.482 7.74
70) 1,2-dibromoethane
0.410 0.529 0.459 0.457 0.435 0.453 0.453 0.457 0.457 7.37
71) 2-hexanone
0.571 0.696 0.603 0.555 0.530 0.512 0.636 0.586 10.92
72) chlorobenzene
1.241 1.774 1.516 1.344 1.280 1.291 1.275 1.371 1.387 12.88
73) 1,1,1,2-tetrachloroethane
0.385 0.492 0.438 0.422 0.421 0.413 0.437 0.430 7.55
74) ethylbenzene
2.094 2.863 2.485 2.253 2.125 2.146 2.129 2.315 2.301 11.38
75) m,p-xylene
0.800 1.120 0.962 0.873 0.822 0.822 0.800 0.892 0.887 12.34
76) o-xylene
0.777 1.125 0.958 0.876 0.831 0.838 0.829 0.887 0.890 12.23
77) styrene
1.286 1.574 1.454 1.384 1.397 1.395 1.438 1.418 6.14
78) bromoform
0.265 0.365 0.327 0.309 0.302 0.322 0.325 0.297 0.314 9.12
79) trans-1,4-dichloro-2-butene
0.234 0.292 0.276 0.274 0.290 0.292 0.264 0.274 7.57

Initial Calibration Summary

Job Number: MC27551 **Sample:** MSG5179-ICC5179
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G134321.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
 80) I   1,4-dichlorobenzene-d ----------------ISTD--------------------
 81)  isopropylbenzene
            2.471       2.815 2.550 2.467 2.430 2.469       2.653   2.551    5.42
 82)  bromofluorobenzene (s)
            0.764       0.804 0.747 0.725 0.714 0.732       0.768   0.751    4.09
 83)  bromobenzene
            0.560       0.670 0.596 0.555 0.550 0.558       0.596   0.584    7.29
 84)  1,1,2,2-tetrachloroethane
            0.601 0.810 0.756 0.657 0.621 0.647 0.672       0.645   0.676   10.50
 85)  1,2,3-trichloropropane
            0.485       0.625 0.529 0.504 0.518 0.531       0.511   0.529    8.52
 86)  n-propylbenzene
            2.903       3.366 3.067 2.879 2.875 2.931       3.180   3.029    6.17
 87)  2-chlorotoluene
            2.083       2.395 2.144 2.012 2.043 2.075       2.211   2.138    6.15
 88)  4-chlorotoluene
            1.875       2.070 1.966 1.836 1.785 1.855       2.005   1.913    5.36
 89)  1,3,5-trimethylbenzene
            2.035       2.354 2.131 2.021 2.032 2.059       2.198   2.119    5.76
 90)  tert-butylbenzene
            1.380       1.667 1.446 1.386 1.397 1.414       1.508   1.457    7.04
 91)  1,2,4-trimethylbenzene
            2.035       2.368 2.138 2.039 2.034 2.067       2.138   2.117    5.66
 92)  sec-butylbenzene
            2.514       2.881 2.601 2.431 2.517 2.523       2.673   2.592    5.73
 93)  1,3-dichlorobenzene
            1.049 1.433 1.227 1.126 1.061 1.082 1.077       1.139   1.149   11.14
 94)  p-isopropyltoluene
            1.942       2.331 2.080 1.957 2.000 1.985       2.145   2.063    6.70
 95)  1,4-dichlorobenzene
            1.068 1.440 1.271 1.122 1.055 1.064 1.063       1.133   1.152   11.85
 96)  1,2-dichlorobenzene
            1.019 1.330 1.190 1.080 1.038 1.051 1.049       1.100   1.107    9.44
 97)  n-butylbenzene
            1.824       2.188 1.936 1.839 1.886 1.897       2.036   1.944    6.61
 98)  1,2-dibromo-3-chloropropane
            0.104       0.128 0.118 0.117 0.123 0.138       0.115   0.120    8.88
 99)  1,3,5-trichlorobenzene
            0.581       0.672 0.613 0.576 0.602 0.627       0.646   0.617    5.58
100)  1,2,4-trichlorobenzene
            0.484       0.529 0.543 0.519 0.533 0.573       0.539   0.531    5.08
101)  hexachlorobutadiene
            0.322       0.374 0.296 0.265 0.282 0.297       0.315   0.307   11.39
102)  naphthalene
            1.177       1.368 1.489 1.449 1.510 1.633       1.398   1.432    9.89
103)  2-Methylnaphthalene
            0.158       0.163 0.235 0.272 0.304 0.351       0.202   0.241   30.15
             ---- Linear regression ----  Coefficient =  0.9952
               Response Ratio = -0.04482 + 0.35330 *A

104)  1-Methylnaphthalene
            0.143       0.179 0.194 0.194 0.229 0.247       0.153   0.191   19.63
105)  1,2,3-trichlorobenzene
            0.348       0.410 0.455 0.424 0.416 0.450       0.433   0.420    8.51
 ----------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           g131224s.m        Thu Dec 26 08:45:31 2013
```

Initial Calibration Verification

Job Number: MC27551 **Sample:** MSG5179-ICV5179
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G134328.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\G131224\G134328.D Vial: 14
Acq On : 24 Dec 2013 4:43 pm Operator: jaimem
Sample : icv5179-50 Inst : MSG
Misc : MS30858,MSG5179,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g131224s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Dec 26 08:35:17 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	112	-0.01	3.09
2	p	tertiary butyl alcohol	0.971	0.982	-1.1	116	0.00	3.16
			Amount	Calc.	%Drift			
3	p	Ethanol	5000.000	4556.858	8.9	101	-0.01	2.48
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	107	0.00	5.07
5	p	dichlorodifluoromethane	0.361	0.318	11.9	85	0.01	1.66
6	p	chloromethane	0.796	0.696	12.6	86	0.00	1.83
7	p	vinyl chloride	0.276	0.229	17.0	79	0.00	1.93
8	p	bromomethane	0.241	0.209	13.3	84	0.00	2.30
9	p	chloroethane	0.250	0.249	0.4	97	0.01	2.39
10	p	ethyl ether	0.421	0.415	1.4	106	0.00	2.78
11	p	acetonitrile	0.748	0.680	9.1	98	-0.01	3.45
12	p	trichlorofluoromethane	0.607	0.526	13.3	84	0.00	2.62
13	p	freon-113	0.460	0.412	10.4	91	0.01	3.06
14	p	acrolein	0.079	0.110	-39.2#	145	-0.01	2.91
15	p	1,1-dichloroethene	0.493	0.468	5.1	96	0.00	3.18
16	p	acetone	0.076	0.068#	10.5	88	0.00	2.97
17	p	Methyl Acetate	0.806	0.562	30.3#	72	0.00	3.37
18	p	methylene chloride	0.464	0.440	5.2	98	0.00	3.59
19	p	methyl tert butyl ether	1.161	1.111	4.3	107	0.00	3.66
20	p	acrylonitrile	0.273	0.272	3.7	100	0.00	3.63
21	p	allyl chloride	0.768	0.705	8.2	96	-0.01	3.46
22	p	trans-1,2-dichloroethene	0.428	0.408	4.7	97	-0.01	3.86
23	p	iodomethane	0.678	0.585	13.7	87	0.00	3.44
24	p	carbon disulfide	1.392	1.220	12.4	88	0.00	3.62
25	p	propionitrile	0.102	0.102	0.0	100	0.00	4.72
26	p	vinyl acetate	1.431	1.283	10.3	95	0.00	4.20
27	p	chloroprene	0.878	0.911	-3.8	108	-0.01	4.31
28	p	di-isopropyl ether	2.179	2.025	7.1	99	0.00	4.09
29	p	methacrylonitrile	0.529	0.536	-1.3	106	0.00	4.93
30	p	2-butanone	0.056	0.049#	12.5	88	0.00	4.64
31	p	Ethyl Acetate	0.139	0.514	-269.8#	412#	0.00	4.80
32	p	Hexane	0.535	0.473	11.6	94	0.00	3.84
33	p	1,1-dichloroethane	0.915	0.870	4.9	99	-0.02	4.24
34	p	tert-butyl ethyl ether	1.694	1.644	3.0	104	0.00	4.50
35	p	isobutyl alcohol	0.033	0.037#	-12.1	116	0.00	4.96
36	p	2,2-dichloropropane	0.249	0.215	13.7	87	0.00	4.78
37	p	cis-1,2-dichloroethene	0.452	0.432	4.4	102	0.00	4.84

Initial Calibration Verification

Job Number: MC27551 **Sample:** MSG5179-ICV5179
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G134328.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

38	p	bromochloromethane	0.210	0.206	1.9	103	0.00	5.17
39	p	chloroform	0.754	0.687	8.9	98	0.00	5.00
40	S	dibromofluoromethane (s)	0.359	0.352	1.9	104	0.00	5.23
41	p	Tetrahydrofuran	0.199	0.201	-1.0	106	0.00	5.22
42	p	1,1,1-trichloroethane	0.507	0.436	14.0	96	0.00	5.43
43	I	1,4-difluorobenzene	1.000	1.000	0.0	107	0.00	6.19
44	p	Cyclohexane	0.512	0.449	12.3	97	0.00	5.49
45	p	carbon tetrachloride	0.331	0.296	10.6	94	0.00	5.74
46	p	1,1-dichloropropene	0.337	0.317	5.9	99	0.00	5.59
47	p	benzene	1.026	0.910	11.3	100	0.00	5.89
48	p	1,2-dichloroethane	0.414	0.391	5.6	102	0.00	5.87
49	p	tert-amyl methyl ether	0.674	0.630	6.5	99	0.00	5.71
50	p	heptane	0.834	0.743	10.9	94	0.00	5.74
51	p	trichloroethene	0.283	0.251	11.3	98	0.00	6.56
52	p	1,2-dichloropropane	0.328	0.304	7.3	100	0.00	6.75
53	p	dibromomethane	0.158	0.157	0.6	105	0.00	7.07
54	p	bromodichloromethane	0.338	0.321	5.0	104	0.00	7.01
55	p	Methylcyclohexane	0.328	0.299	8.8	97	0.00	6.64
56	p	2-chloroethyl vinyl ether	0.113	0.177	-56.6#	166	0.00	7.34
57	p	methyl methacrylate	0.176	0.170	3.4	100	0.00	6.81
			Amount	Calc.	%Drift			
58	p	1,4-dioxane	250.000	255.824	-2.3	116	-0.01	7.06
			AvgRF	CCRF	%Dev			
59	p	cis-1,3-dichloropropene	0.431	0.394	8.6	99	0.00	7.61
60	S	toluene-d8 (s)	0.840	0.819	2.5	102	0.00	7.87
61	p	4-methyl-2-pentanone	0.473	0.516	-9.1	115	0.00	7.37
62	p	toluene	0.620	0.593	4.4	101	0.00	7.96
63	p	trans-1,3-dichloropropene	0.374	0.376	-0.5	107	0.00	8.16
64	p	1,1,2-trichloroethane	0.195	0.183	6.2	103	0.00	8.33
65	p	ethyl methacrylate	0.318	0.313	1.6	103	0.00	8.14
66	I	chlorobenzene-d5	1.000	1.000	0.0	105	0.00	9.53
67	p	tetrachloroethene	0.487	0.431	11.5	101	0.00	8.68
68	p	1,3-dichloropropane	0.687	0.682	0.7	103	0.00	8.61
69	p	dibromochloromethane	0.482	0.490	-1.7	104	0.00	8.90
70	p	1,2-dibromoethane	0.457	0.450	1.5	103	0.00	9.12
71	p	2-hexanone	0.586	0.514	12.3	89	0.00	8.34
72	p	chlorobenzene	1.387	1.251	9.8	97	0.00	9.58
73	p	1,1,1,2-tetrachloroethane	0.430	0.433	-0.7	103	0.00	9.62
74	p	ethylbenzene	2.301	2.168	5.8	101	0.00	9.63
75	p	m,p-xylene	0.887	0.827	6.8	99	0.00	9.72
76	p	o-xylene	0.890	0.811	8.9	97	0.00	10.20
77	p	styrene	1.418	1.406	0.8	101	0.00	10.23
78	p	bromoform	0.314	0.308	1.9	104	0.00	10.61
79	p	trans-1,4-dichloro-2-bute	0.274	0.262	4.4	100	0.00	10.64
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	12.16
81	p	isopropylbenzene	2.551	2.407	5.6	98	0.00	10.59
82	S	bromofluorobenzene (s)	0.751	0.736	2.0	103	0.00	10.86
83	p	bromobenzene	0.584	0.569	2.6	100	0.00	11.08
84	p	1,1,2,2-tetrachloroethane	0.676	0.674	0.3	107	0.00	10.78
85	p	1,2,3-trichloropropane	0.529	0.524	0.9	103	0.00	10.94
86	p	n-propylbenzene	3.029	2.776	8.4	94	0.00	11.03
87	p	2-chlorotoluene	2.138	2.028	5.1	99	0.00	11.22
88	p	4-chlorotoluene	1.913	1.791	6.4	95	0.00	11.27
89	p	1,3,5-trimethylbenzene	2.119	2.011	5.1	98	0.00	11.20
90	p	tert-butylbenzene	1.457	1.346	7.6	97	0.00	11.59

Initial Calibration Verification

Job Number: MC27551 **Sample:** MSG5179-ICV5179
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G134328.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

91	p	1,2,4-trimethylbenzene	2.117	2.004	5.3	98	0.00	11.63
92	p	sec-butylbenzene	2.592	2.433	6.1	98	0.00	11.82
93	p	1,3-dichlorobenzene	1.149	1.053	8.4	98	0.00	12.08
94	p	p-isopropyltoluene	2.063	1.989	3.6	100	0.00	11.97
95	p	1,4-dichlorobenzene	1.152	1.059	8.1	98	0.00	12.19
96	p	1,2-dichlorobenzene	1.107	0.989	10.7	96	0.00	12.60
97	p	n-butylbenzene	1.944	1.829	5.9	99	0.00	12.42
98	p	1,2-dibromo-3-chloropropa	0.120	0.121	-0.8	107	0.00	13.46
99	p	1,3,5-trichlorobenzene	0.617	0.584	5.3	100	0.00	13.72
100	p	1,2,4-trichlorobenzene	0.531	0.552	-4.0	106	0.00	14.42
101	p	hexachlorobutadiene	0.307	0.302	1.6	107	0.00	14.57
102	p	naphthalene	1.432	1.629	-13.8	114	0.00	14.71
			Amount	Calc.	%Drift			
103	p	2-Methylnaphthalene	25.000	29.614	-18.5	146	0.00	15.89
			AvgRF	CCRF	%Dev			
104	p	1-Methylnaphthalene	0.191	0.283	-48.2#	152	0.00	16.15
105	p	1,2,3-trichlorobenzene	0.420	0.470	-11.9	108	0.00	14.98

(#) = Out of Range SPCC's out = 4 CCC's out = 0
G134321.D g131224s.m Fri Jan 10 12:07:58 2014

Continuing Calibration Summary

Job Number: MC27551 **Sample:** MSG5188-CC5179
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G134513.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\G140110\G134513.D Vial: 2
Acq On : 10 Jan 2014 8:45 am Operator: jaimem
Sample : cc5179-50 Inst : MSG
Misc : MS30937,MSG5188,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g131224s.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Dec 26 08:35:17 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	73	-0.01	3.09
2	p	tertiary butyl alcohol	0.971	0.847	12.8	64	-0.01	3.16
			Amount	Calc.	%Drift			
3	p	Ethanol	5000.000	3843.504	23.1#	55	-0.01	2.48
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	68	0.00	5.07
5	p	dichlorodifluoromethane	0.361	0.381	-5.5	65	0.00	1.64
6	p	chloromethane	0.796	0.690	13.3	55	0.00	1.83
7	p	vinyl chloride	0.276	0.316	-14.5	70	-0.01	1.91
8	p	bromomethane	0.241	0.277	-14.9	71	0.00	2.28
9	p	chloroethane	0.250	0.253	-1.2	63	0.00	2.37
10	p	ethyl ether	0.421	0.387	8.1	63	0.00	2.78
11	p	acetonitrile	0.748	0.610	18.4	56	-0.01	3.46
12	p	trichlorofluoromethane	0.607	0.705	-16.1	72	0.00	2.63
13	p	freon-113	0.460	0.436	5.2	61	-0.02	3.03
14	p	acrolein	0.079	0.064	19.0	52	-0.01	2.91
15	p	1,1-dichloroethene	0.493	0.437	11.4	57	-0.02	3.17
16	p	acetone	0.076	0.085#	-11.8	70	0.00	2.96
17	p	Methyl Acetate	0.806	0.743	7.8	61	0.00	3.37
18	p	methylene chloride	0.464	0.393	15.3	56	0.00	3.58
19	p	methyl tert butyl ether	1.161	1.128	2.8	69	0.00	3.66
20	p	acrylonitrile	0.273	0.249	8.8	59	0.00	3.63
21	p	allyl chloride	0.768	0.667	13.2	58	0.00	3.46
22	p	trans-1,2-dichloroethene	0.428	0.386	9.8	59	-0.01	3.86
23	p	iodomethane	0.678	0.664	2.1	63	0.00	3.43
24	p	carbon disulfide	1.392	1.210	13.1	56	0.00	3.62
25	p	propionitrile	0.102	0.089	12.7	56	0.00	4.72
26	p	vinyl acetate	1.431	1.249	12.7	59	0.00	4.20
27	p	chloroprene	0.878	0.845	3.8	64	-0.01	4.31
28	p	di-isopropyl ether	2.179	1.875	14.0	58	0.00	4.09
29	p	methacrylonitrile	0.529	0.478	9.6	60	0.00	4.93
30	p	2-butanone	0.056	0.054#	3.6	63	0.00	4.64
31	p	Ethyl Acetate	0.139	0.119	14.4	61	0.00	4.80
32	p	Hexane	0.535	0.485	9.3	62	0.00	3.84
33	p	1,1-dichloroethane	0.915	0.854	6.7	62	-0.02	4.24
34	p	tert-butyl ethyl ether	1.694	1.606	5.2	64	0.00	4.50
35	p	isobutyl alcohol	0.033	0.031#	6.1	62	0.00	4.96
36	p	2,2-dichloropropane	0.249	0.275	-10.4	71	0.00	4.78
37	p	cis-1,2-dichloroethene	0.452	0.390	13.7	59	-0.01	4.83

Continuing Calibration Summary

Job Number: MC27551 **Sample:** MSG5188-CC5179
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G134513.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

38	p	bromochloromethane	0.210	0.206	1.9	66	0.00	5.17
39	p	chloroform	0.754	0.736	2.4	67	0.00	5.00
40	S	dibromofluoromethane (s)	0.359	0.412	-14.8	77	0.00	5.23
41	p	Tetrahydrofuran	0.199	0.162	18.6	55	0.00	5.21
42	p	1,1,1-trichloroethane	0.507	0.555	-9.5	78	0.00	5.43
43	I	1,4-difluorobenzene	1.000	1.000	0.0	64	0.00	6.19
44	p	Cyclohexane	0.512	0.481	6.1	62	0.00	5.49
45	p	carbon tetrachloride	0.331	0.378	-14.2	72	-0.02	5.73
46	p	1,1-dichloropropene	0.337	0.339	-0.6	63	0.00	5.59
47	p	benzene	1.026	0.867	15.5	57	0.00	5.89
48	p	1,2-dichloroethane	0.414	0.459	-10.9	71	0.00	5.87
49	p	tert-amyl methyl ether	0.674	0.666	1.2	63	0.00	5.71
50	p	heptane	0.834	0.804	3.6	61	0.00	5.74
51	p	trichloroethene	0.283	0.263	7.1	61	0.00	6.56
52	p	1,2-dichloropropane	0.328	0.286	12.8	56	0.00	6.75
53	p	dibromomethane	0.158	0.156	1.3	62	0.00	7.07
54	p	bromodichloromethane	0.338	0.360	-6.5	69	0.00	7.01
55	p	Methylcyclohexane	0.328	0.313	4.6	60	-0.01	6.64
56	p	2-chloroethyl vinyl ether	0.113	0.033#	70.8#	18#	0.00	7.34
57	p	methyl methacrylate	0.176	0.158	10.2	56	0.00	6.81
		----------	Amount	Calc.	%Drift	----------		
58	p	1,4-dioxane	250.000	239.687	4.1	64	0.00	7.07
		----------	AvgRF	CCRF	%Dev	----------		
59	p	cis-1,3-dichloropropene	0.431	0.410	4.9	61	0.00	7.61
60	S	toluene-d8 (s)	0.840	0.916	-9.0	68	0.00	7.88
61	p	4-methyl-2-pentanone	0.473	0.397	16.1	53	0.00	7.38
62	p	toluene	0.620	0.574	7.4	58	0.00	7.96
63	p	trans-1,3-dichloropropene	0.374	0.387	-3.5	66	0.00	8.16
64	p	1,1,2-trichloroethane	0.195	0.176	9.7	59	0.00	8.33
65	p	ethyl methacrylate	0.318	0.298	6.3	59	0.00	8.14
66	I	chlorobenzene-d5	1.000	1.000	0.0	68	0.00	9.54
67	p	tetrachloroethene	0.487	0.450	7.6	68	0.00	8.68
68	p	1,3-dichloropropane	0.687	0.619	9.9	61	0.00	8.61
69	p	dibromochloromethane	0.482	0.501	-3.9	69	0.00	8.90
70	p	1,2-dibromoethane	0.457	0.418	8.5	62	0.00	9.12
71	p	2-hexanone	0.586	0.664	-13.3	75	0.00	8.34
72	p	chlorobenzene	1.387	1.195	13.8	60	0.00	9.58
73	p	1,1,1,2-tetrachloroethane	0.430	0.453	-5.3	70	0.00	9.62
74	p	ethylbenzene	2.301	2.052	10.8	62	0.00	9.63
75	p	m,p-xylene	0.887	0.778	12.3	60	0.00	9.72
76	p	o-xylene	0.890	0.763	14.3	59	0.00	10.20
77	p	styrene	1.418	1.286	9.3	60	0.00	10.23
78	p	bromoform	0.314	0.330	-5.1	72	0.00	10.61
79	p	trans-1,4-dichloro-2-bute	0.274	0.260	5.1	64	0.00	10.64
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	72	0.00	12.16
81	p	isopropylbenzene	2.551	2.257	11.5	64	0.00	10.59
82	S	bromofluorobenzene (s)	0.751	0.729	2.9	70	0.00	10.86
83	p	bromobenzene	0.584	0.531	9.1	64	0.00	11.08
84	p	1,1,2,2-tetrachloroethane	0.676	0.495	26.8#	54	0.00	10.78
85	p	1,2,3-trichloropropane	0.529	0.417	21.2#	57	0.00	10.94
86	p	n-propylbenzene	3.029	2.574	15.0	60	0.00	11.03
87	p	2-chlorotoluene	2.138	1.869	12.6	63	0.00	11.22
88	p	4-chlorotoluene	1.913	1.726	9.8	63	0.00	11.27
89	p	1,3,5-trimethylbenzene	2.119	1.927	9.1	65	0.00	11.20
90	p	tert-butylbenzene	1.457	1.322	9.3	66	0.00	11.59

Continuing Calibration Summary

Job Number: MC27551 **Sample:** MSG5188-CC5179
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** G134513.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

91	p	1,2,4-trimethylbenzene	2.117	1.885	11.0	63	0.00	11.63
92	p	sec-butylbenzene	2.592	2.225	14.2	61	0.00	11.82
93	p	1,3-dichlorobenzene	1.149	0.988	14.0	63	0.00	12.08
94	p	p-isopropyltoluene	2.063	1.828	11.4	63	0.00	11.97
95	p	1,4-dichlorobenzene	1.152	0.983	14.7	63	0.00	12.19
96	p	1,2-dichlorobenzene	1.107	0.940	15.1	62	0.00	12.60
97	p	n-butylbenzene	1.944	1.615	16.9	60	0.00	12.42
98	p	1,2-dibromo-3-chloropropa	0.120	0.101	15.8	62	0.00	13.46
99	p	1,3,5-trichlorobenzene	0.617	0.550	10.9	64	0.00	13.72
100	p	1,2,4-trichlorobenzene	0.531	0.473	10.9	63	0.00	14.42
101	p	hexachlorobutadiene	0.307	0.294	4.2	71	0.00	14.57
102	p	naphthalene	1.432	1.121	21.7#	54	0.00	14.71
			Amount	Calc.	%Drift			
103	p	2-Methylnaphthalene	25.000	15.344	38.6#	39	0.00	15.89
			AvgRF	CCRF	%Dev			
104	p	1-Methylnaphthalene	0.191	0.083	56.5#	31#	0.00	16.15
105	p	1,2,3-trichlorobenzene	0.420	0.344	18.1	54	0.00	14.98

(#) = Out of Range SPCC's out = 4 CCC's out = 0
G134321.D g131224s.m Fri Jan 10 09:09:48 2014

New England ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134523.D
Acq On : 10 Jan 2014 2:06 pm
Operator : jaimem
Sample : mc27551-1
Misc : MS30954,MSG5188,1.100,,50,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 10 14:34:33 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration

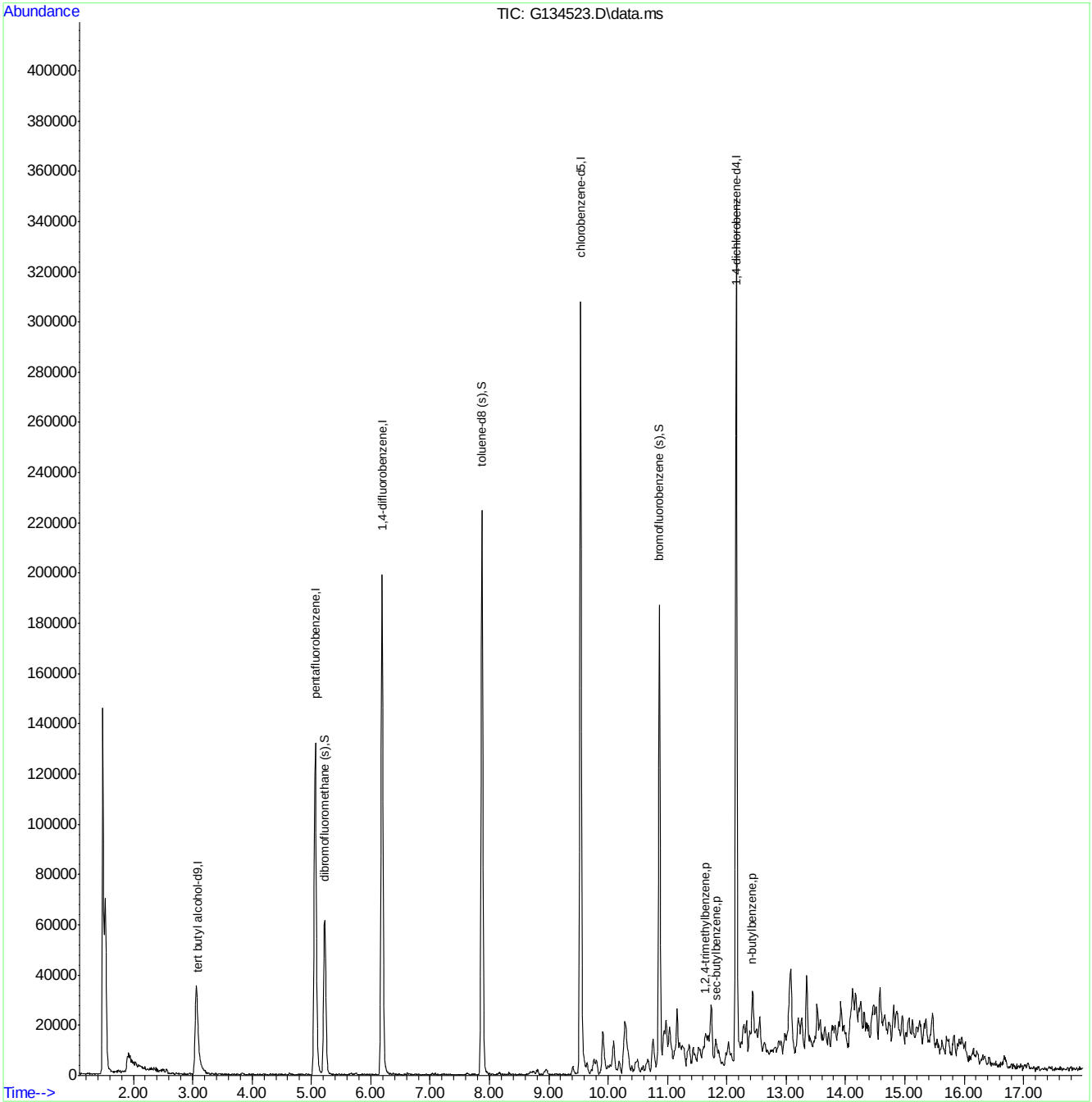
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.082	65	77002	500.00	ppb	-0.02
4) pentafluorobenzene	5.068	168	117171	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.192	114	187433	50.00	ppb	0.00
66) chlorobenzene-d5	9.536	82	106343	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.162	152	92920	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	5.227	113	49462	58.76	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 117.52%			
60) toluene-d8 (s)	7.876	98	176131	55.93	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.86%			
82) bromofluorobenzene (s)	10.865	95	71952	51.58	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.16%			
Target Compounds						Qvalue
91) 1,2,4-trimethylbenzene	11.631	105	1016	0.26	ppb	75
92) sec-butylbenzene	11.822	105	1691	0.35	ppb	66
97) n-butylbenzene	12.424	91	1556	0.43	ppb	80

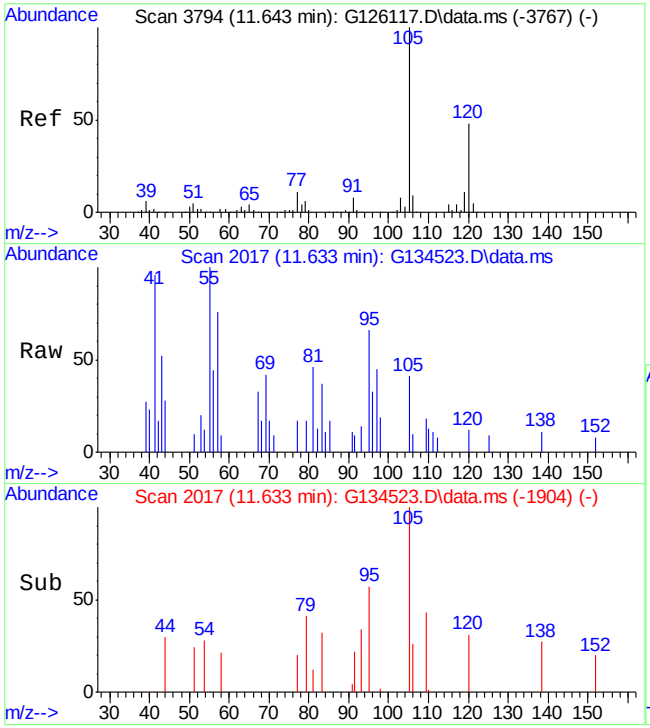
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134523.D
Acq On : 10 Jan 2014 2:06 pm
Operator : jaimem
Sample : mc27551-1
Misc : MS30954,MSG5188,1.100,,50,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 10 14:34:33 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration

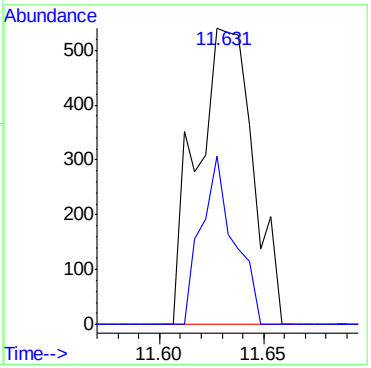


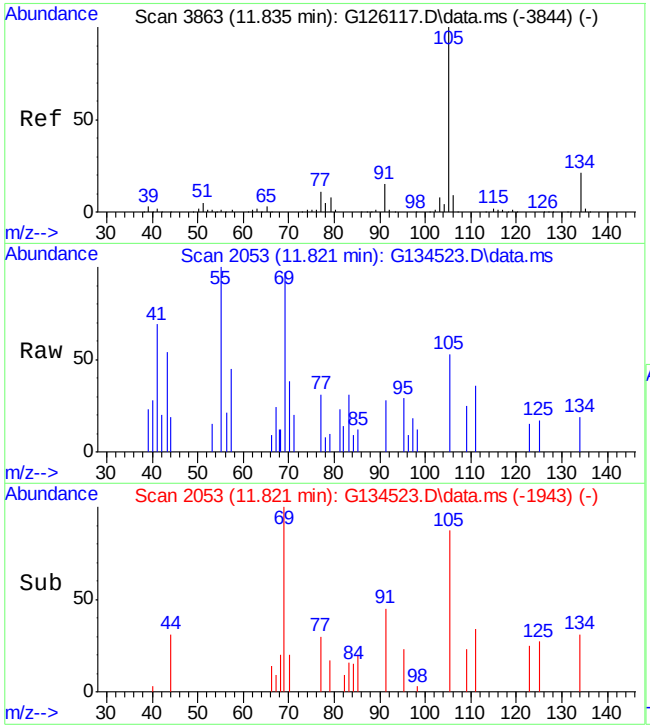


#91
1,2,4-trimethylbenzene
Concen: 0.26 ppb
RT: 11.631 min Scan# 2017
Delta R.T. -0.001 min
Lab File: G134523.D
Acq: 10 Jan 14 2:06 pm

Tgt Ion:105 Resp: 1016

Ion	Ratio	Lower	Upper
105	100		
120	30.6	17.5	77.5

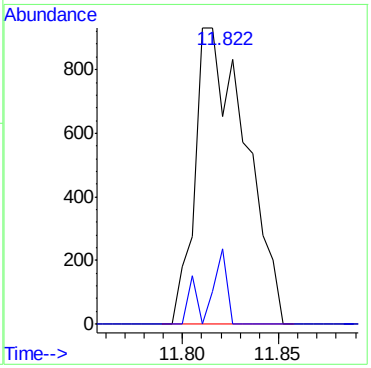


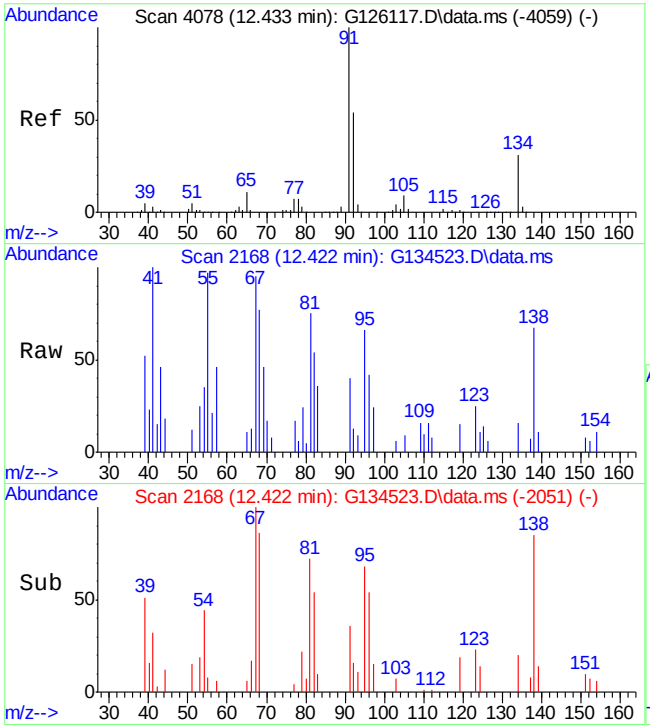


#92
sec-butylbenzene
Concen: 0.35 ppb
RT: 11.822 min Scan# 2053
Delta R.T. -0.002 min
Lab File: G134523.D
Acq: 10 Jan 14 2:06 pm

Tgt Ion:105 Resp: 1691

Ion	Ratio	Lower	Upper
105	100		
134	36.2	0.0	50.3

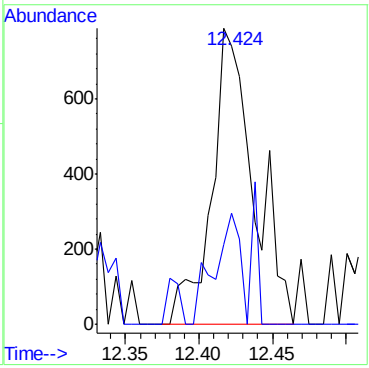




#97
n-butylbenzene
Concen: 0.43 ppb
RT: 12.424 min Scan# 2168
Delta R.T. 0.003 min
Lab File: G134523.D
Acq: 10 Jan 14 2:06 pm

Tgt Ion: 91 Resp: 1556

Ion	Ratio	Lower	Upper
91	100		
134	40.1	0.0	59.6



7.1.1

7

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134523.D
Acq On : 10 Jan 2014 2:06 pm
Operator : jaimem
Sample : mc27551-1
Misc : MS30954,MSG5188,1.100,,50,10,1
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\g131224s.m
Title : SW-846 Method 8260

Signal : TIC: G134523.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.066	743	761	778	rBV	131940	353596	56.66%	7.399%
2	5.223	778	791	823	rVB2	61567	158721	25.43%	3.321%
3	6.190	953	976	1008	rBV	198992	472156	75.66%	9.880%
4	7.874	1278	1298	1323	rBV	224747	490616	78.62%	10.266%
5	9.536	1603	1616	1648	rBV	307054	624055	100.00%	13.058%
6	9.913	1673	1688	1708	rBV5	16864	53912	8.64%	1.128%
7	10.284	1743	1759	1788	rVB5	19698	84482	13.54%	1.768%
8	10.760	1808	1850	1858	rBV10	13178	58958	9.45%	1.234%
9	10.864	1858	1870	1883	rVV2	183654	356846	57.18%	7.467%
10	10.974	1883	1891	1913	rVV10	17353	98899	15.85%	2.069%
11	11.162	1913	1927	1953	rVB6	20293	81972	13.14%	1.715%
12	11.737	2003	2037	2048	rBV7	20071	86972	13.94%	1.820%
13	12.161	2103	2118	2133	rBV	341975	620611	99.45%	12.986%
14	12.433	2158	2170	2223	rVB	25088	161870	25.94%	3.387%
15	13.076	2268	2293	2308	rBV	33341	142624	22.85%	2.984%
16	13.259	2308	2328	2338	rBV8	12502	64033	10.26%	1.340%
17	13.347	2338	2345	2363	rBV8	29229	73118	11.72%	1.530%
18	13.520	2363	2378	2398	rBV7	16734	68691	11.01%	1.437%
19	13.917	2423	2454	2478	rVB7	17481	113495	18.19%	2.375%
20	14.121	2478	2493	2548	rBV7	22815	259094	41.52%	5.421%
21	14.471	2548	2560	2573	rVV7	13666	72296	11.58%	1.513%
22	14.586	2573	2582	2618	rVB7	19875	90859	14.56%	1.901%
23	14.811	2618	2625	2648	rBV7	12835	56479	9.05%	1.182%
24	15.470	2738	2751	2773	rVB7	16429	75768	12.14%	1.585%
25	15.967	2828	2846	2873	rVB7	8839	58929	9.44%	1.233%

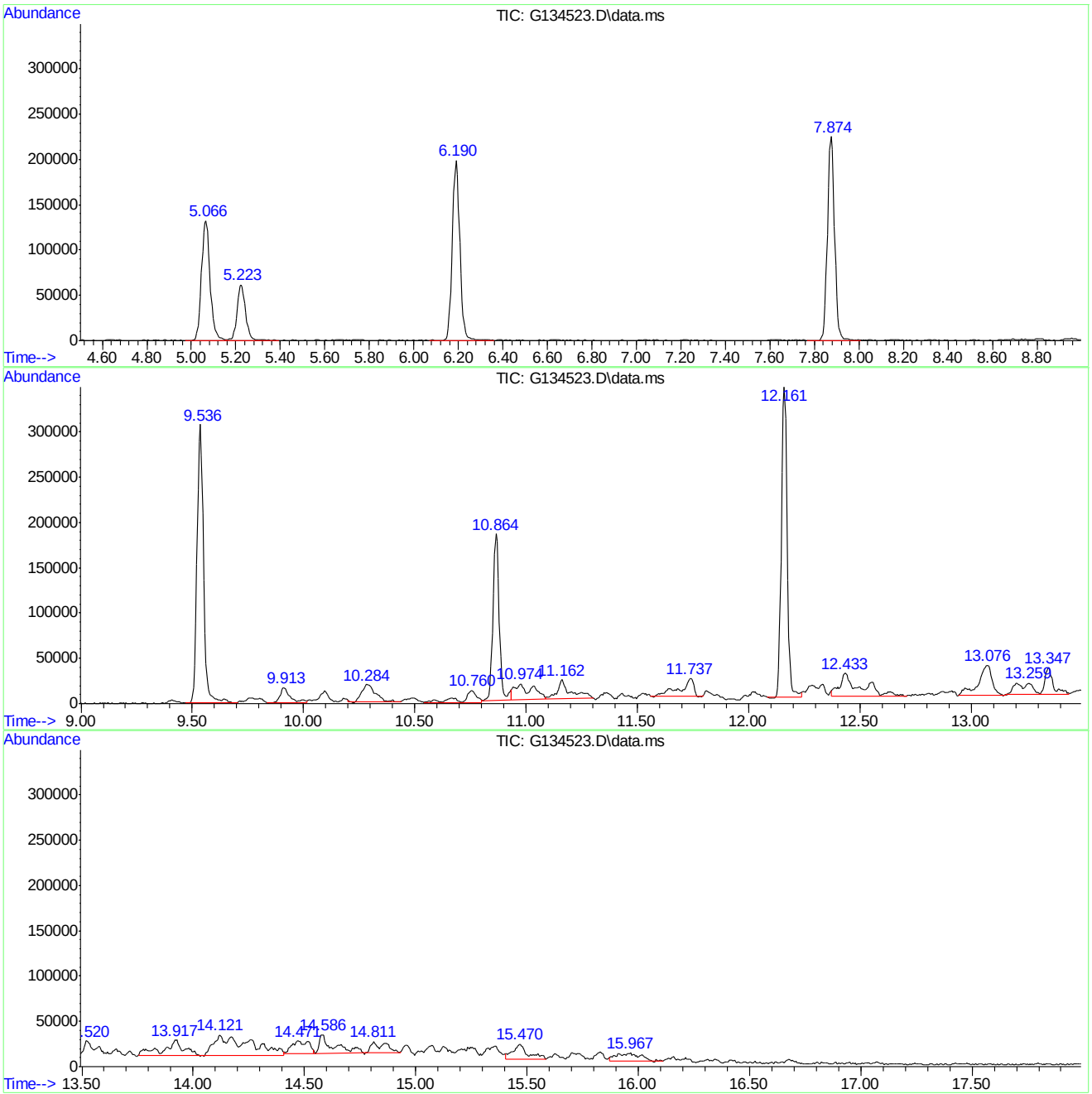
Sum of corrected areas: 4779052

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134523.D
Acq On : 10 Jan 2014 2:06 pm
Operator : jaimem
Sample : mc27551-1
Misc : MS30954,MSG5188,1.100,,50,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134523.D
Acq On : 10 Jan 2014 2:06 pm
Operator : jaimem
Sample : mc27551-1
Misc : MS30954,MSG5188,1.100,,50,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260

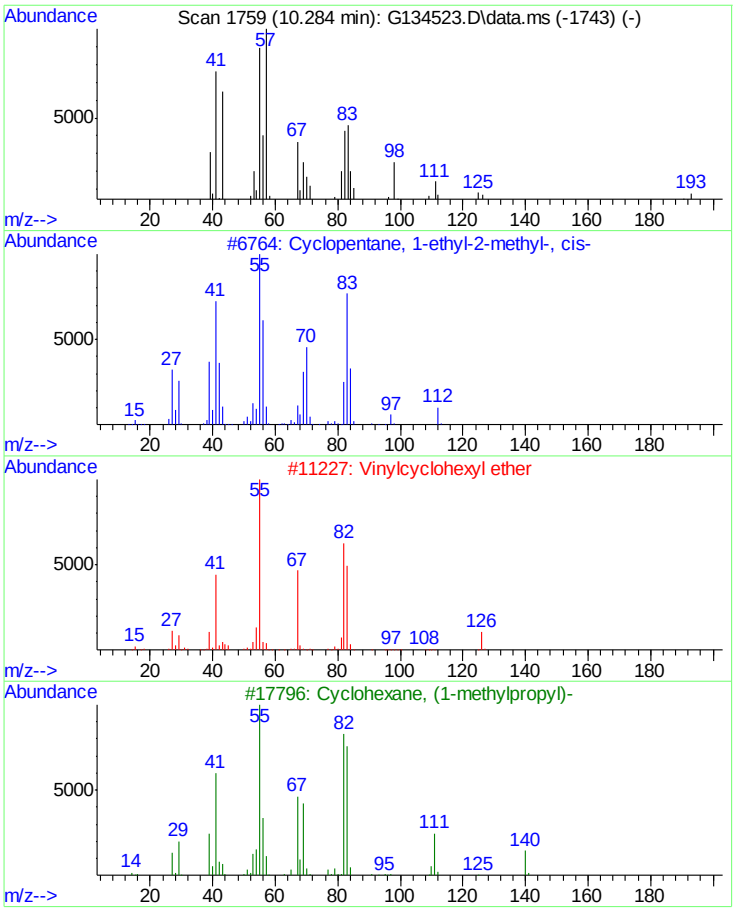
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

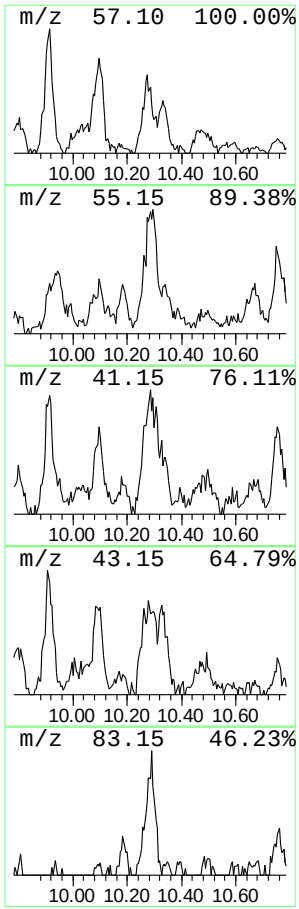
****

Peak Number 1 Cyclopentane, 1-ethyl-2-met... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.284	6.77 ppb	84482	chlorobenzene-d5	9.536

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	47
2	Vinylcyclohexyl ether	126	C8H14O	002182-55-0	43
3	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	43
4	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	43
5	Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	43





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134523.D
Acq On : 10 Jan 2014 2:06 pm
Operator : jaimem
Sample : mc27551-1
Misc : MS30954,MSG5188,1.100,,50,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260

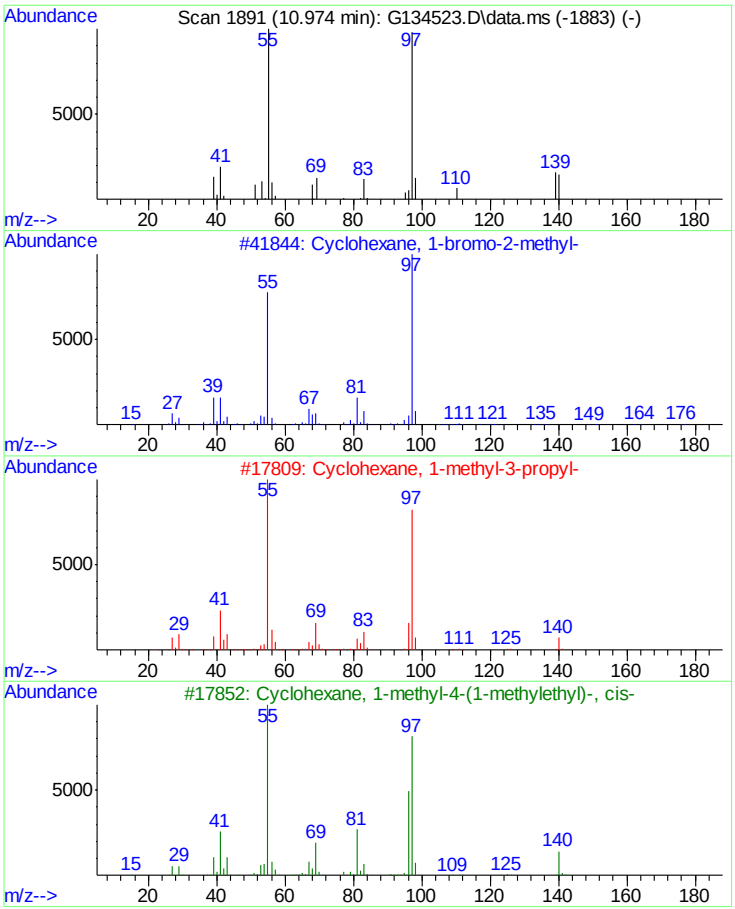
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

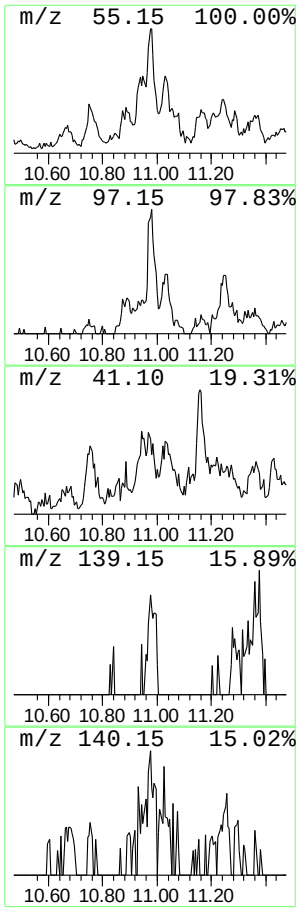
****

Peak Number 2 Cyclohexane, 1-bromo-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.974	7.97 ppb	98899	1,4-dichlorobenzene-d4	12.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-bromo-2-methyl-	176	C7H13Br	006294-39-9	72
2	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	72
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	64
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	64
5	Cyclohexane, 1-isopropyl-3-methy...	140	C10H20	1000158-54-3	64





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134523.D
Acq On : 10 Jan 2014 2:06 pm
Operator : jaimem
Sample : mc27551-1
Misc : MS30954,MSG5188,1.100,,50,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260

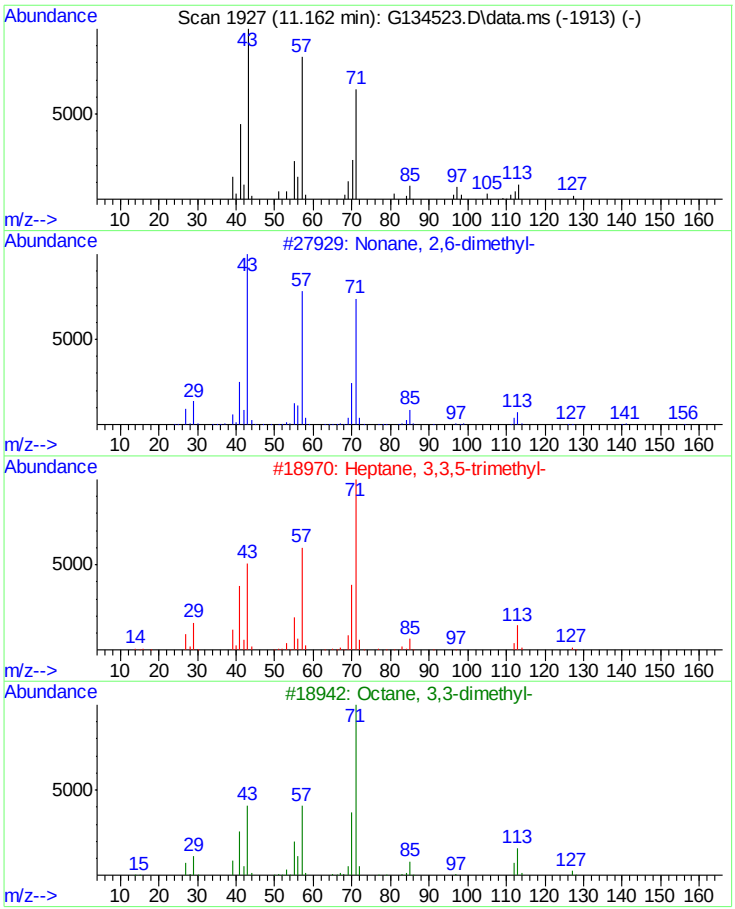
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

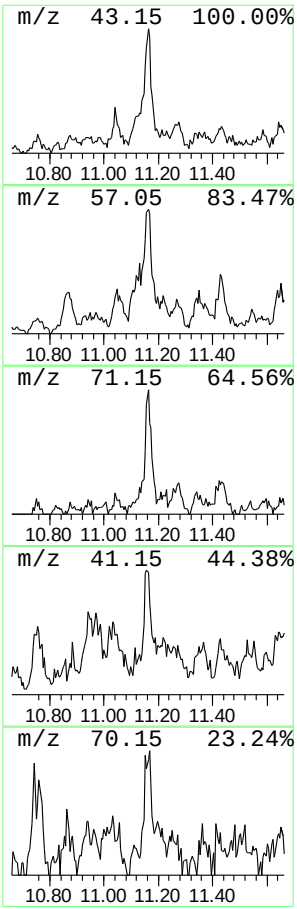
****

Peak Number 3 Nonane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.162	6.60 ppb	81972	1,4-dichlorobenzene-d4	12.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
3	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
4	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	64
5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	59





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134523.D
Acq On : 10 Jan 2014 2:06 pm
Operator : jaimem
Sample : mc27551-1
Misc : MS30954,MSG5188,1.100,,50,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260

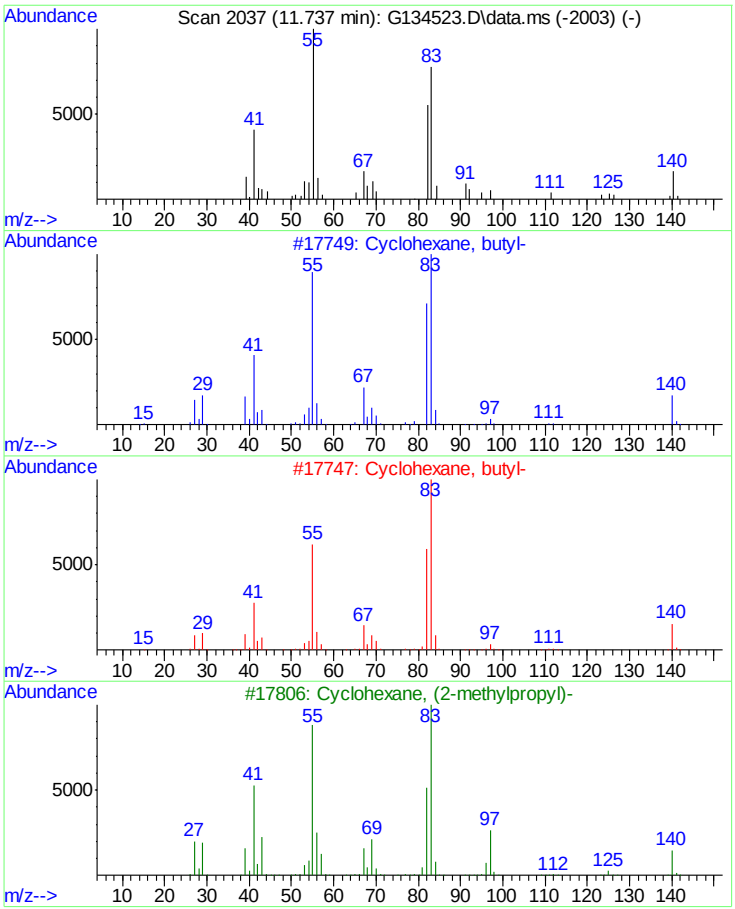
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

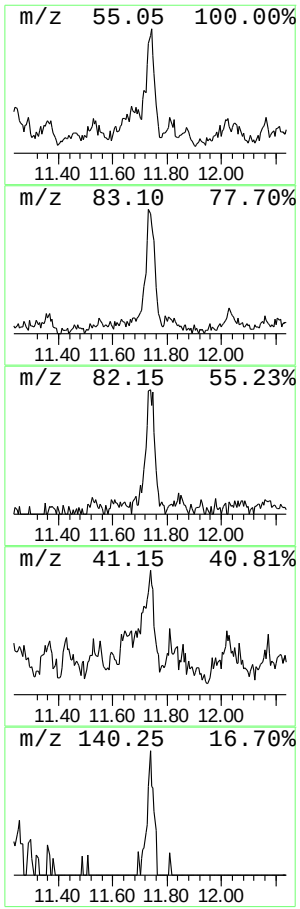
****

Peak Number 4 Cyclohexane, butyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.737	7.01 ppb	86972	1,4-dichlorobenzene-d4	12.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	81
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	76
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	68





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134523.D
Acq On : 10 Jan 2014 2:06 pm
Operator : jaimem
Sample : mc27551-1
Misc : MS30954,MSG5188,1.100,,50,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260

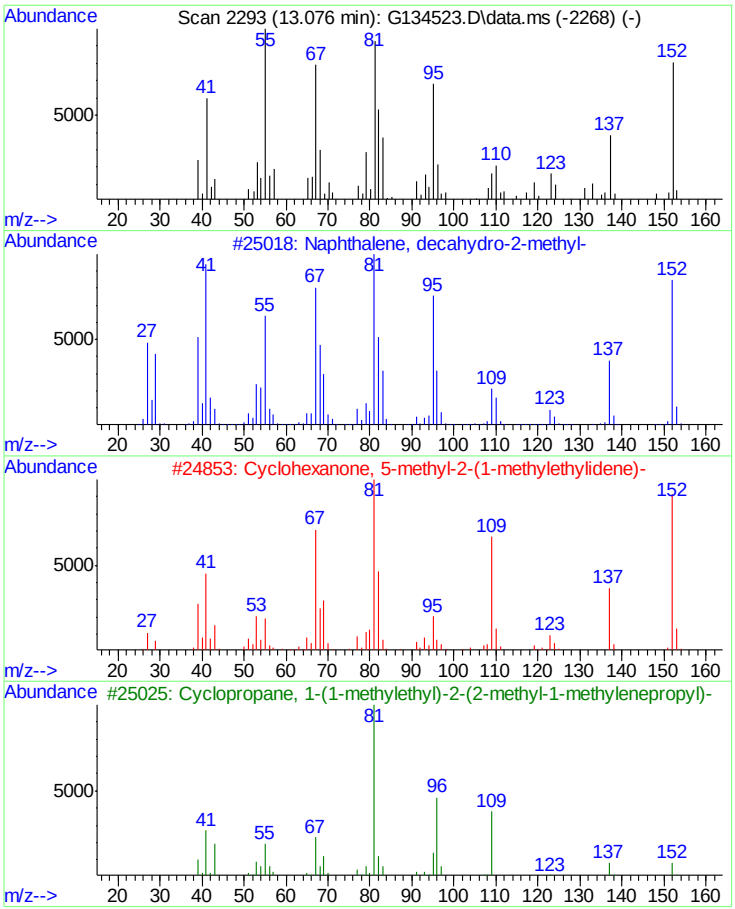
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

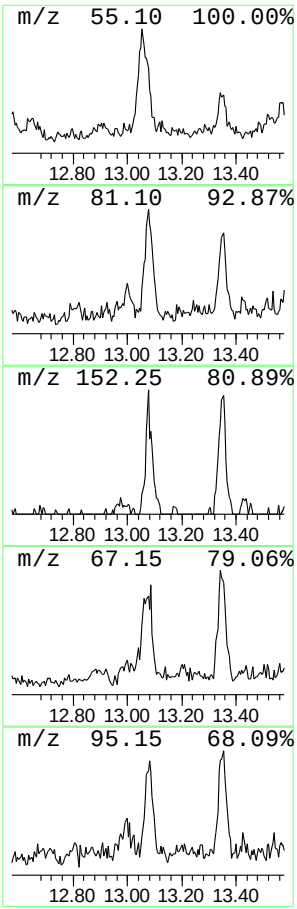
****

Peak Number 5 Naphthalene, decahydro-2-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.076	11.49 ppb	142624	1,4-dichlorobenzene-d4	12.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	87
2	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	81
3	Cyclopropane, 1-(1-methylethyl)-...	152	C11H20	056259-17-7	64
4	Pulegone	152	C10H16O	000089-82-7	49
5	Bicyclo[2.2.1]heptane, 2-butyl-	152	C11H20	061177-16-0	49





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134523.D
Acq On : 10 Jan 2014 2:06 pm
Operator : jaimem
Sample : mc27551-1
Misc : MS30954,MSG5188,1.100,,50,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260

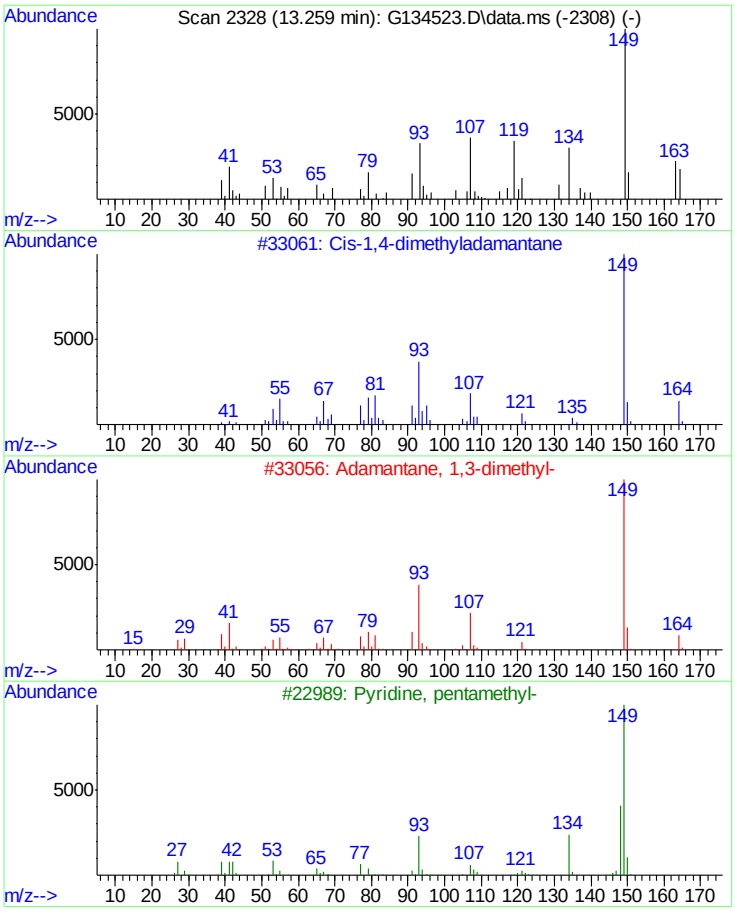
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

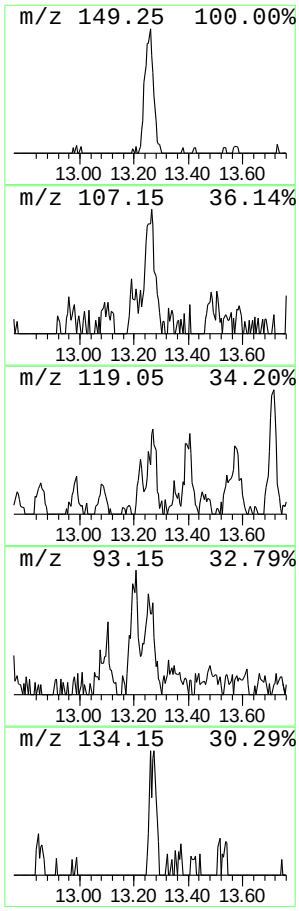
****

Peak Number 6 Cis-1,4-dimethyladamantane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.259	5.16 ppb	64033	1,4-dichlorobenzene-d4	12.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cis-1,4-dimethyladamantane	164	C12H20	024145-89-9	52
2	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	50
3	Pyridine, pentamethyl-	149	C10H15N	003748-83-2	47
4	Benzenemethanol, 4-(1,1-dimethyl...	164	C11H16O	000877-65-6	43
5	Tricyclo[4.3.1.1(3,8)]undecane, ...	184	C11H17Cl	027011-46-7	43





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134523.D
Acq On : 10 Jan 2014 2:06 pm
Operator : jaimem
Sample : mc27551-1
Misc : MS30954,MSG5188,1.100,,50,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260

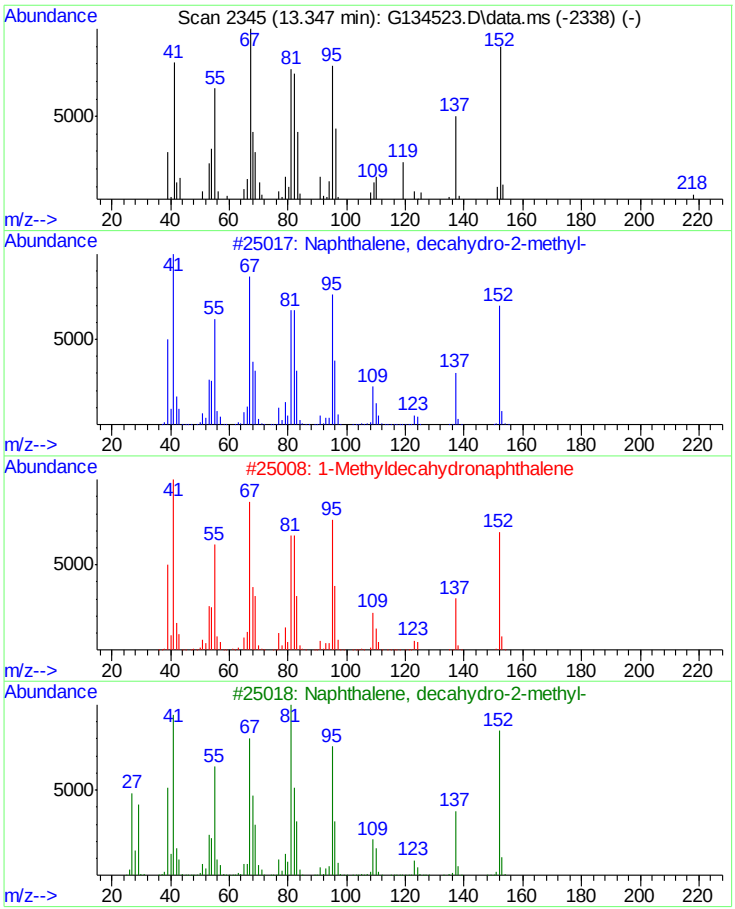
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

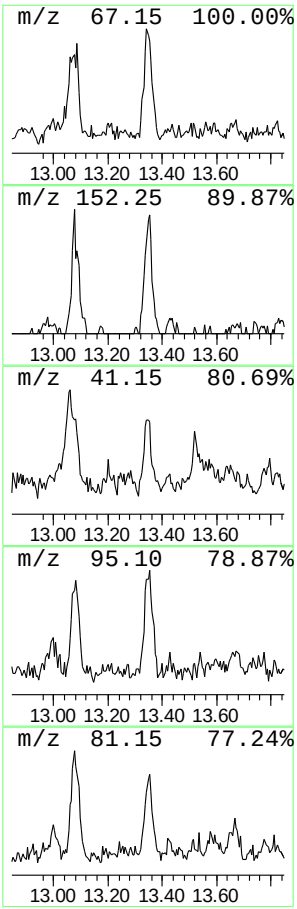
****

Peak Number 7 Naphthalene, decahydro-2-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.348	5.89 ppb	73118	1,4-dichlorobenzene-d4	12.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
2	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	83
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	76
4	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	70
5	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	60





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134523.D
Acq On : 10 Jan 2014 2:06 pm
Operator : jaimem
Sample : mc27551-1
Misc : MS30954,MSG5188,1.100,,50,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260

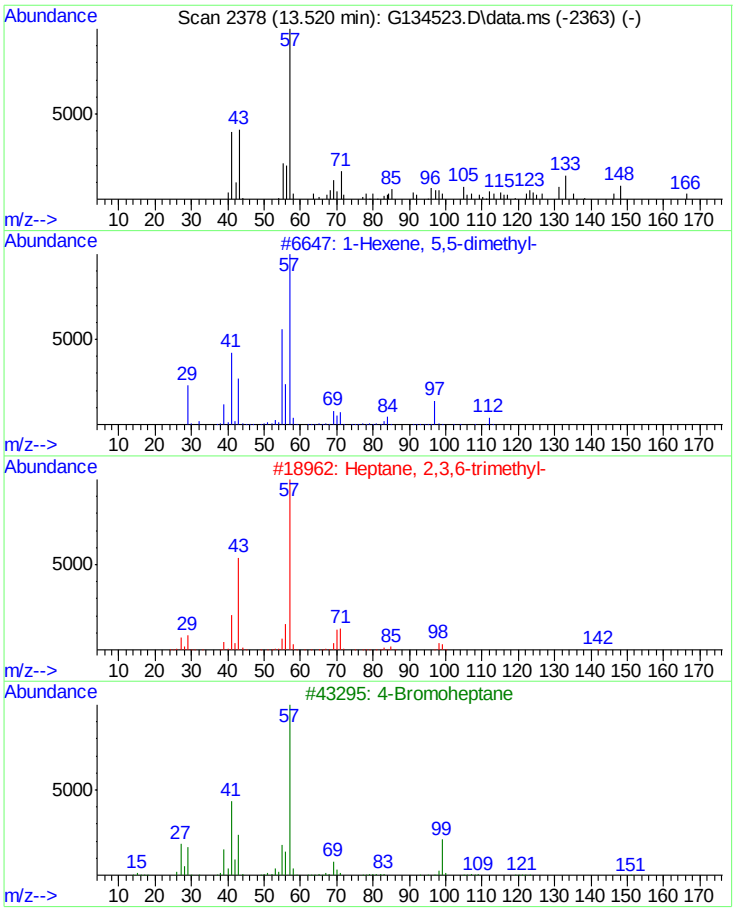
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

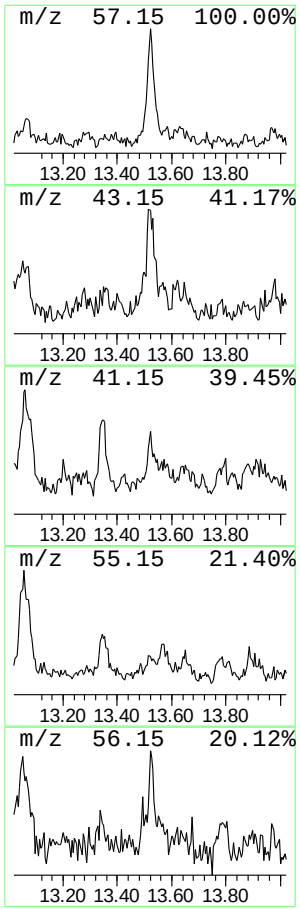
****

Peak Number 8 1-Hexene, 5,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.520	5.53 ppb	68691	1,4-dichlorobenzene-d4	12.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 5,5-dimethyl-	112	C8H16	007116-86-1	43
2	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	35
3	4-Bromoheptane	178	C7H15Br	000998-93-6	35
4	Carbonic acid, heptyl isobutyl e...	216	C12H24O3	1000314-60-5	35
5	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	32





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134523.D
Acq On : 10 Jan 2014 2:06 pm
Operator : jaimem
Sample : mc27551-1
Misc : MS30954,MSG5188,1.100,,50,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260

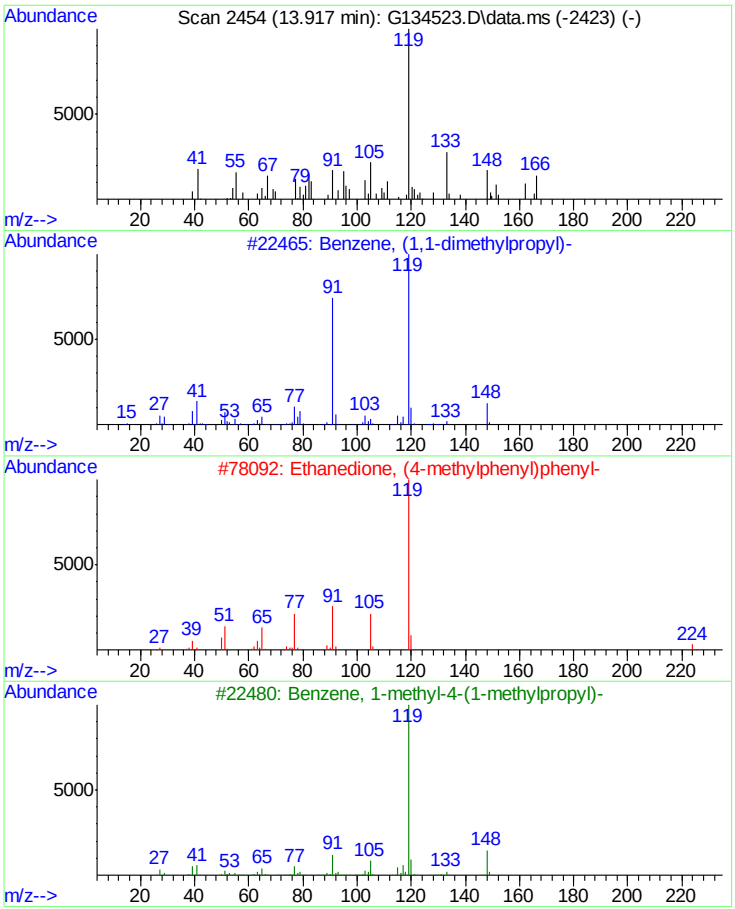
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

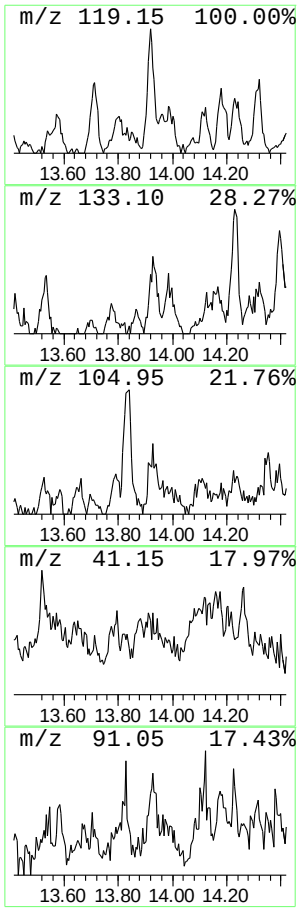
****

Peak Number 9 Benzene, (1,1-dimethylpropyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.917	9.14 ppb	113495	1,4-dichlorobenzene-d4	12.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	43
2	Ethanedione, (4-methylphenyl)phe...	224	C15H12O2	002431-00-7	43
3	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	43
4	Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	38
5	Benzene, (1,1-dimethylbutyl)-	162	C12H18	001985-57-5	38





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134523.D
Acq On : 10 Jan 2014 2:06 pm
Operator : jaimem
Sample : mc27551-1
Misc : MS30954,MSG5188,1.100,,50,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260

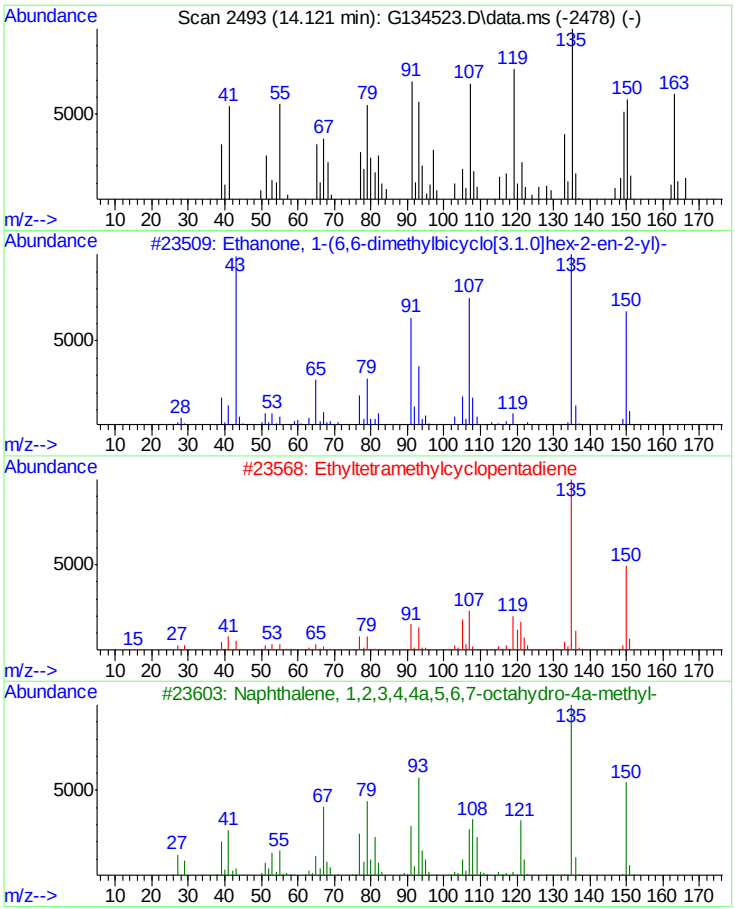
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

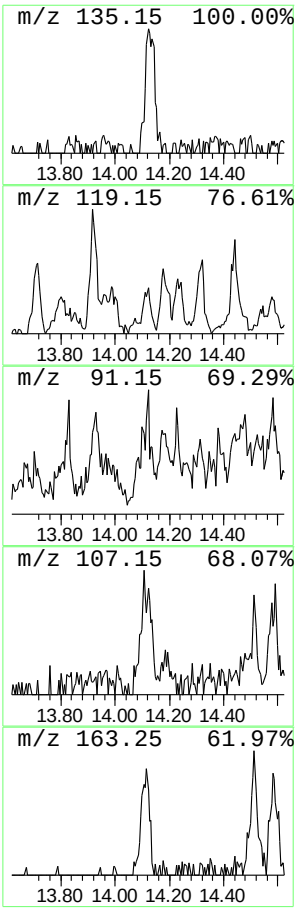
****

Peak Number 10 Ethanone, 1-(6,6-dimethylbi... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.121	20.87 ppb	259094	1,4-dichlorobenzene-d4	12.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(6,6-dimethylbicyclo...	150	C10H14O	024555-40-6	80
2	Ethyltetramethylcyclopentadiene	150	C11H18	057693-77-3	45
3	Naphthalene, 1,2,3,4,4a,5,6,7-oc...	150	C11H18	013943-77-6	38
4	2,4,6-Trimethyl-1,3-phenylenedia...	150	C9H14N2	003102-70-3	38
5	Benzenemethanol, 4-(1-methylethyl)-	150	C10H14O	000536-60-7	38





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134523.D
Acq On : 10 Jan 2014 2:06 pm
Operator : jaimem
Sample : mc27551-1
Misc : MS30954,MSG5188,1.100,,50,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260

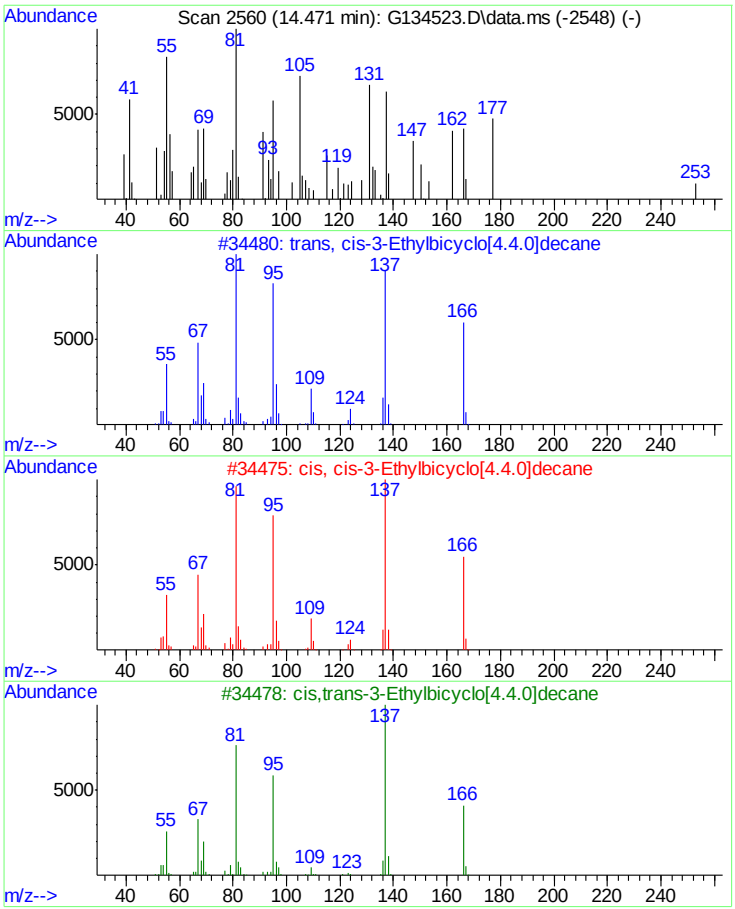
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

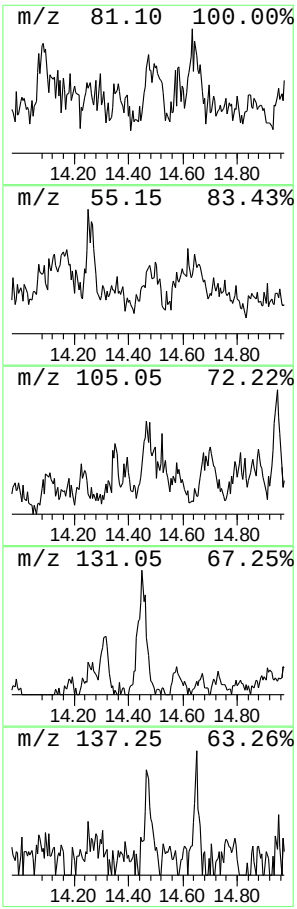
****

Peak Number 11 trans, cis-3-Ethylbicyclo[4... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.472	5.82 ppb	72296	1,4-dichlorobenzene-d4	12.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	50
2	cis, cis-3-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-42-2	38
3	cis,trans-3-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-41-1	30
4	Naphthalene, 2-ethyldecahydro-	166	C12H22	001618-23-1	27
5	Naphthalene, 2-butyldecahydro-	194	C14H26	006305-52-8	27





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134523.D
Acq On : 10 Jan 2014 2:06 pm
Operator : jaimem
Sample : mc27551-1
Misc : MS30954,MSG5188,1.100,,50,10,1
ALS Vial : 12 Sample Multiplier: 1

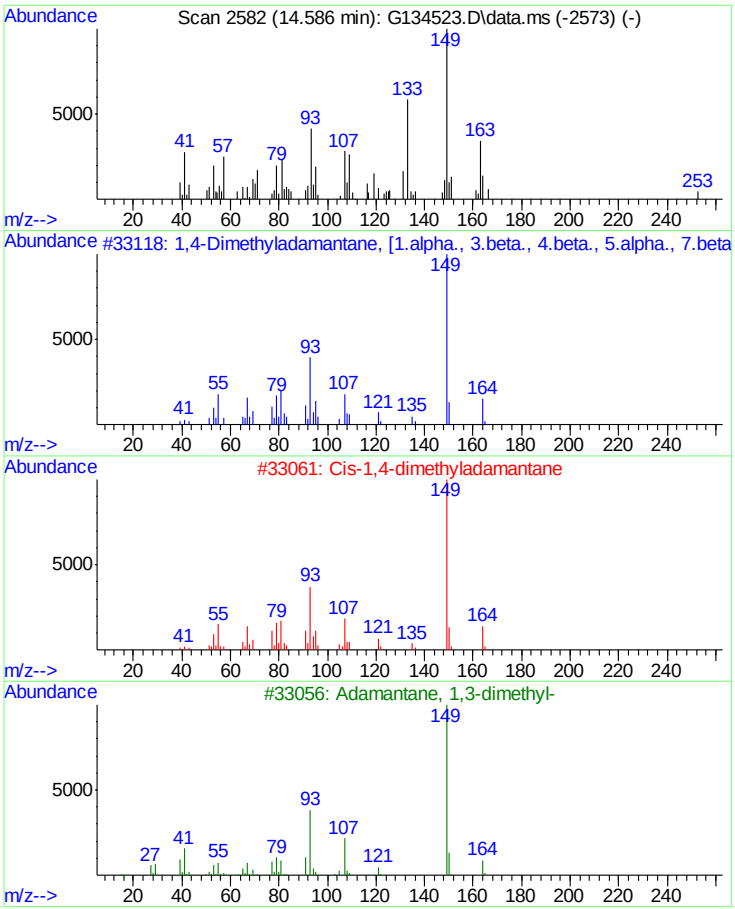
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260

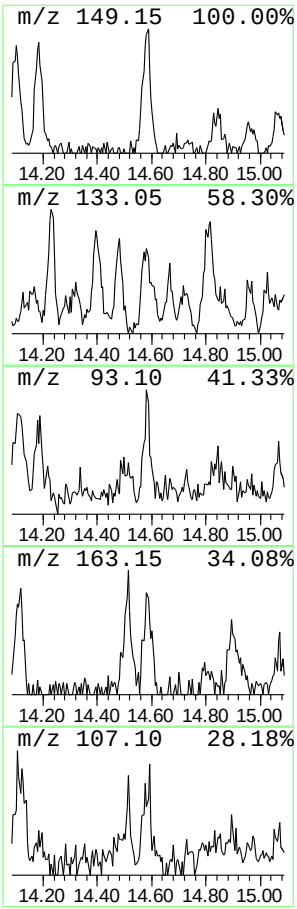
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1,4-Dimethyladamantane, [1.... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.586	7.32 ppb	90859	1,4-dichlorobenzene-d4	12.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dimethyladamantane, [1.alpha...	164	C12H20	024145-88-8	58
2	Cis-1,4-dimethyladamantane	164	C12H20	024145-89-9	46
3	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	46
4	1H-Purin-6-amine, N-methyl-	149	C6H7N5	000443-72-1	38
5	Tricyclo[4.3.1.1(3,8)]undecane-3...	208	C13H20O2	031061-61-7	38





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134523.D
Acq On : 10 Jan 2014 2:06 pm
Operator : jaimem
Sample : mc27551-1
Misc : MS30954,MSG5188,1.100,,50,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260

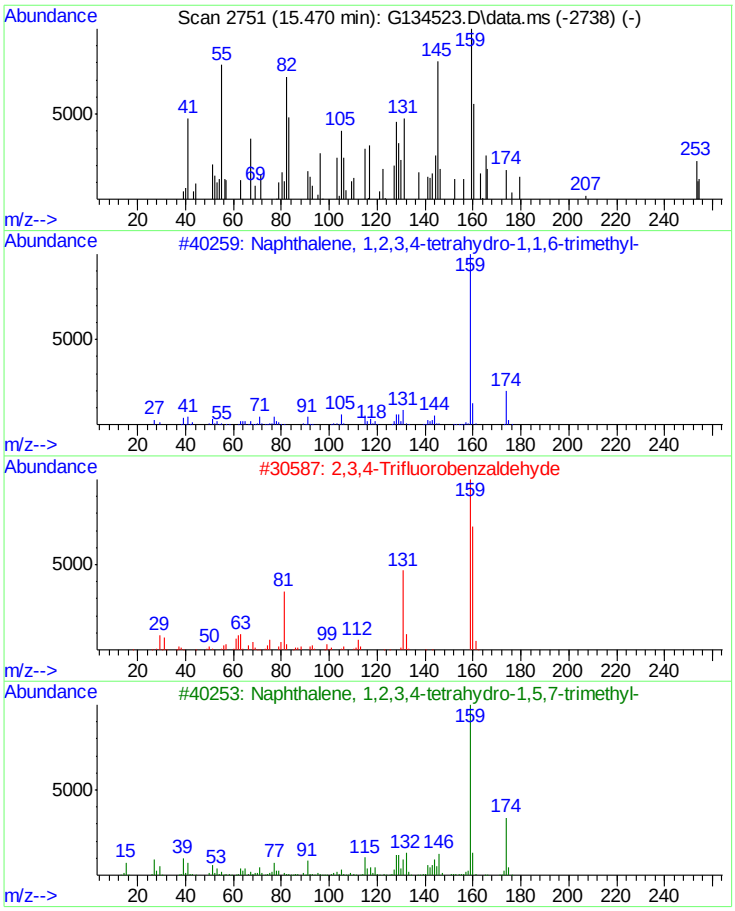
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

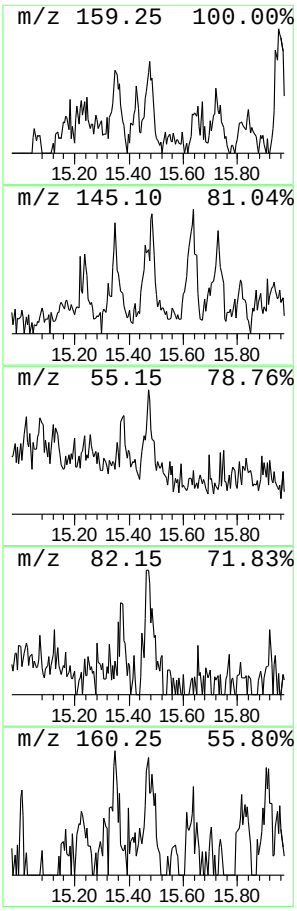
****

Peak Number 13 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.470	6.10 ppb	75768	1,4-dichlorobenzene-d4	12.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	50
2	2,3,4-Trifluorobenzaldehyde	160	C7H3F3O	161793-17-5	30
3	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-55-0	30
4	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	30
5	2,3,4-Trifluorobenzaldehyde	160	C7H3F3O	161793-17-5	27





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134523.D
Acq On : 10 Jan 2014 2:06 pm
Operator : jaimem
Sample : mc27551-1
Misc : MS30954,MSG5188,1.100,,50,10,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Cyclopentane, 1...	10.284	6.8	ppb	84482	4	9.536	624055	50.0
Cyclohexane, 1-...	10.974	8.0	ppb	98899	5	12.162	620611	50.0
Nonane, 2,6-dim...	11.162	6.6	ppb	81972	5	12.162	620611	50.0
Cyclohexane, bu...	11.737	7.0	ppb	86972	5	12.162	620611	50.0
Naphthalene, de...	13.076	11.5	ppb	142624	5	12.162	620611	50.0
Cis-1,4-dimethy...	13.259	5.2	ppb	64033	5	12.162	620611	50.0
Naphthalene, de...	13.348	5.9	ppb	73118	5	12.162	620611	50.0
1-Hexene, 5,5-d...	13.520	5.5	ppb	68691	5	12.162	620611	50.0
Benzene, (1,1-d...	13.917	9.1	ppb	113495	5	12.162	620611	50.0
Ethanone, 1-(6,...	14.121	20.9	ppb	259094	5	12.162	620611	50.0
trans, cis-3-Et...	14.472	5.8	ppb	72296	5	12.162	620611	50.0
1,4-Dimethylada...	14.586	7.3	ppb	90859	5	12.162	620611	50.0
Naphthalene, 1,...	15.470	6.1	ppb	75768	5	12.162	620611	50.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134517.D
Acq On : 10 Jan 2014 10:40 am
Operator : jaimem
Sample : mb
Misc : MS30954,MSG5188,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 10 11:22:32 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 10:06:27 2014
Response via : Initial Calibration

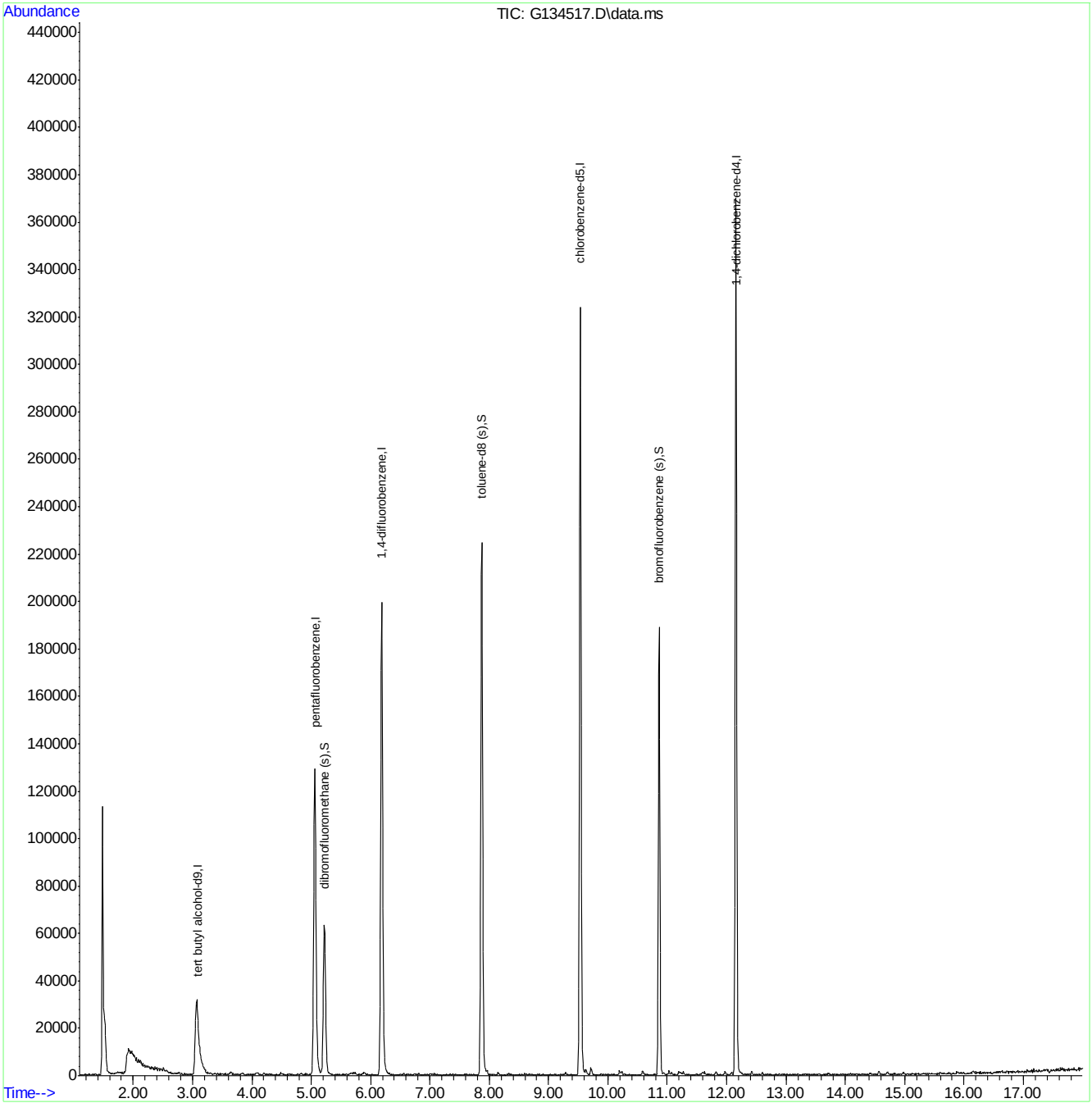
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.095	65	82412	500.00	ppb	0.00
4) pentafluorobenzene	5.064	168	119348	50.00	ppb	0.00
43) 1,4-difluorobenzene	6.190	114	192420	50.00	ppb	0.00
66) chlorobenzene-d5	9.535	82	111058	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	12.160	152	95866	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	5.225	113	49446	57.67	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 115.34%			
60) toluene-d8 (s)	7.874	98	180949	55.97	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.94%			
82) bromofluorobenzene (s)	10.864	95	75774	52.65	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.30%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134517.D
Acq On : 10 Jan 2014 10:40 am
Operator : jaimem
Sample : mb
Misc : MS30954,MSG5188,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 10 11:22:32 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 10 10:06:27 2014
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134517.D
Acq On : 10 Jan 2014 10:40 am
Operator : jaimem
Sample : mb
Misc : MS30954,MSG5188,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\g131224s.m
Title : SW-846 Method 8260

Signal : TIC: G134517.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.059	728	759	778	rBV2	128872	356094	54.42%	11.352%
2	5.221	778	790	823	rVB2	63045	160805	24.57%	5.126%
3	6.188	948	975	1018	rVB	199321	484565	74.05%	15.448%
4	7.872	1273	1297	1338	rVB	224530	502648	76.82%	16.024%
5	9.534	1593	1615	1643	rBV	323649	627227	95.86%	19.996%
6	10.862	1838	1869	1888	rBV	188884	351064	53.65%	11.192%
7	12.159	2093	2117	2153	rBV	369926	654348	100.00%	20.861%

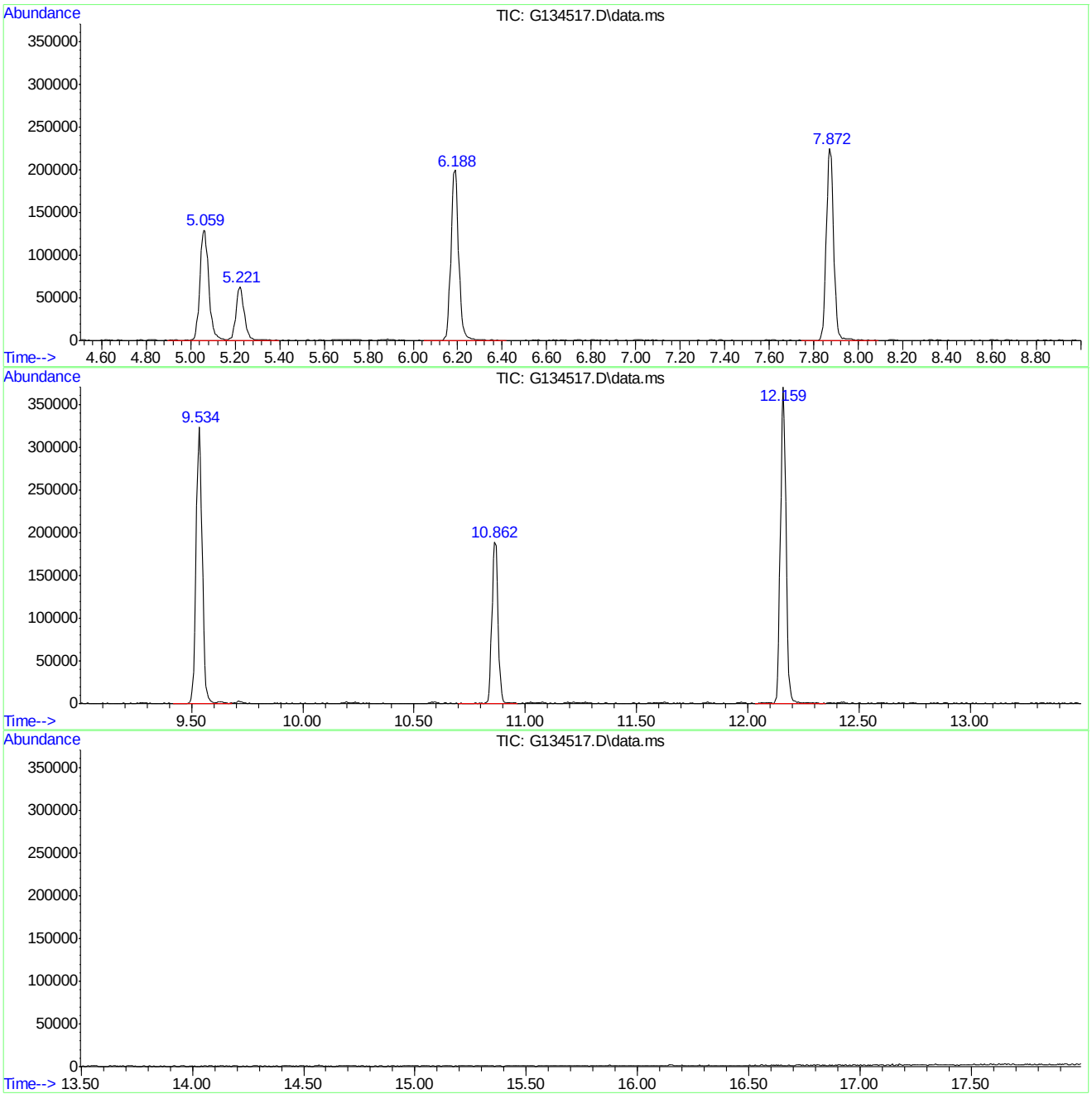
Sum of corrected areas: 3136751

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134517.D
Acq On : 10 Jan 2014 10:40 am
Operator : jaimem
Sample : mb
Misc : MS30954,MSG5188,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134517.D
Acq On : 10 Jan 2014 10:40 am
Operator : jaimem
Sample : mb
Misc : MS30954,MSG5188,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134517.D
Acq On : 10 Jan 2014 10:40 am
Operator : jaimem
Sample : mb
Misc : MS30954,MSG5188,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/10/14 14:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134514.D
Acq On : 10 Jan 2014 9:13 am
Operator : jaimem
Sample : bs
Misc : MS30937,MSG5188,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 10 09:33:42 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.088	65	66196	500.00	ppb		-0.02
4) pentafluorobenzene	5.066	168	116278	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.191	114	185618	50.00	ppb		0.00
66) chlorobenzene-d5	9.535	82	107815	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.160	152	99451	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.226	113	49104	58.79	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 117.58%				
60) toluene-d8 (s)	7.875	98	177876	57.03	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 114.06%				
82) bromofluorobenzene (s)	10.864	95	73823	49.44	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.88%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.160	59	65869	512.15	ppb		91
3) Ethanol	2.466	45	63649	3787.86	ppb		96
5) dichlorodifluoromethane	1.645	85	42336m	50.47	ppb		
6) chloromethane	1.823	50	80101	43.28	ppb		97
7) vinyl chloride	1.918	62	37091	57.72	ppb		97
8) bromomethane	2.275	96	30077	53.70	ppb		98
9) chloroethane	2.351	64	31116	53.55	ppb		76
10) ethyl ether	2.781	59	46783	47.76	ppb		89
11) acetonitrile	3.439	41	101730	58.48	ppb		96
12) trichlorofluoromethane	2.627	101	85452	60.58	ppb		100
13) freon-113	2.997	101	58116	54.29	ppb		80
14) acrolein	2.901	56	11089	60.21	ppb		92
15) 1,1-dichloroethene	3.138	96	52482	45.77	ppb		86
16) acetone	2.962	58	8782	49.43	ppb		92
17) Methyl Acetate	3.369	43	57625	30.76	ppb	#	96
18) methylene chloride	3.554	84	48940	45.31	ppb	#	79
19) methyl tert butyl ether	3.659	73	133397	49.40	ppb		94
20) acrylonitrile	3.631	53	54670	86.09	ppb		92
21) allyl chloride	3.439	41	102845	57.59	ppb		89
22) trans-1,2-dichloroethene	3.823	96	48340	48.61	ppb	#	66
23) iodomethane	3.405	142	76408	48.45	ppb		88
24) carbon disulfide	3.614	76	138986	42.95	ppb		99
25) propionitrile	4.717	54	9534	40.06	ppb		100
26) vinyl acetate	4.202	43	135273	40.65	ppb		94
27) chloroprene	4.307	53	115701	56.67	ppb		80
28) di-isopropyl ether	4.088	45	223296	44.06	ppb		97
29) methacrylonitrile	4.927	41	54336	44.13	ppb		88
30) 2-butanone	4.631	72	5624	43.33	ppb	#	85
31) Ethyl Acetate	4.801	43	50614	157.12	ug/L	#	98
32) Hexane	3.845	41	62616	50.32	ppb		91
33) 1,1-dichloroethane	4.226	63	108784	51.12	ppb		94
34) tert-butyl ethyl ether	4.501	59	197065	50.03	ppb		94
35) isobutyl alcohol	4.956	43	17419	225.99	ppb		83
36) 2,2-dichloropropane	4.785	77	38225	65.96	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134514.D
Acq On : 10 Jan 2014 9:13 am
Operator : jaimem
Sample : bs
Misc : MS30937,MSG5188,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 10 09:33:42 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.831	96	48936	46.51	ppb		87
38)	bromochloromethane	5.172	128	23288	47.65	ppb	#	74
39)	chloroform	4.997	83	90174	51.40	ppb		91
41)	Tetrahydrofuran	5.212	42	18182	39.20	ppb		94
42)	1,1,1-trichloroethane	5.434	97	80169	68.04	ppb		95
44)	Cyclohexane	5.475	56	110377	58.12	ppb	#	88
45)	carbon tetrachloride	5.721	117	81529	66.39	ppb		92
46)	1,1-dichloropropene	5.591	75	67509	53.91	ppb		94
47)	benzene	5.889	78	167555	43.98	ppb		97
48)	1,2-dichloroethane	5.870	62	87309	56.74	ppb		95
49)	tert-amyl methyl ether	5.713	73	119987	47.92	ppb		92
50)	heptane	5.737	43	150771	48.72	ppb		90
51)	trichloroethene	6.558	95	51639	49.12	ppb		84
52)	1,2-dichloropropane	6.754	63	54562	44.86	ppb		98
53)	dibromomethane	7.072	93	30599	52.19	ppb		90
54)	bromodichloromethane	7.013	83	70179	55.89	ppb		97
55)	Methylcyclohexane	6.632	83	70007	57.45	ppb	#	80
56)	2-chloroethyl vinyl ether	7.344	63	29300	70.03	ppb		97
57)	methyl methacrylate	6.812	69	28160	43.15	ppb	#	81
58)	1,4-dioxane	7.057	88	2354	205.29	ppb	#	44
59)	cis-1,3-dichloropropene	7.606	75	75928	47.43	ppb		99
61)	4-methyl-2-pentanone	7.368	43	87639	49.89	ppb		98
62)	toluene	7.962	92	114469	49.73	ppb		99
63)	trans-1,3-dichloropropene	8.158	75	76367	54.95	ppb		100
64)	1,1,2-trichloroethane	8.332	83	33199	45.83	ppb		94
65)	ethyl methacrylate	8.145	69	54866	46.45	ppb		90
67)	tetrachloroethene	8.676	166	50869	48.45	ppb		98
68)	1,3-dichloropropane	8.608	76	67033	45.28	ppb		95
69)	dibromochloromethane	8.902	129	57028	54.87	ppb		98
70)	1,2-dibromoethane	9.121	107	46366	47.08	ppb		98
71)	2-hexanone	8.338	43	62789	49.69	ppb		97
72)	chlorobenzene	9.577	112	131270	43.91	ppb		93
73)	1,1,1,2-tetrachloroethane	9.624	131	51266	55.32	ppb		97
74)	ethylbenzene	9.632	91	236060	47.57	ppb		93
75)	m,p-xylene	9.716	106	173042	90.52	ppb		85
76)	o-xylene	10.195	106	85077	44.32	ppb	#	78
77)	styrene	10.234	104	143905	47.05	ppb		81
78)	bromoform	10.609	173	36250	53.57	ppb		99
79)	trans-1,4-dichloro-2-b...	10.642	53	26790m	45.27	ppb		
81)	isopropylbenzene	10.586	105	232336	45.79	ppb		94
83)	bromobenzene	11.078	156	54377	46.85	ppb	#	76
84)	1,1,2,2-tetrachloroethane	10.778	83	51581	38.35	ppb		94
85)	1,2,3-trichloropropane	10.938	75	44197	42.01	ppb		93
86)	n-propylbenzene	11.026	91	252581	41.93	ppb		91
87)	2-chlorotoluene	11.220	91	188923	44.44	ppb		84
88)	4-chlorotoluene	11.274	91	176036	46.26	ppb		85
89)	1,3,5-trimethylbenzene	11.200	105	200747	47.64	ppb		91
90)	tert-butylbenzene	11.594	91	140727	48.57	ppb		80
91)	1,2,4-trimethylbenzene	11.630	105	198501	47.14	ppb		88
92)	sec-butylbenzene	11.822	105	233636	45.32	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134514.D
Acq On : 10 Jan 2014 9:13 am
Operator : jaimem
Sample : bs
Misc : MS30937,MSG5188,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 10 09:33:42 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration

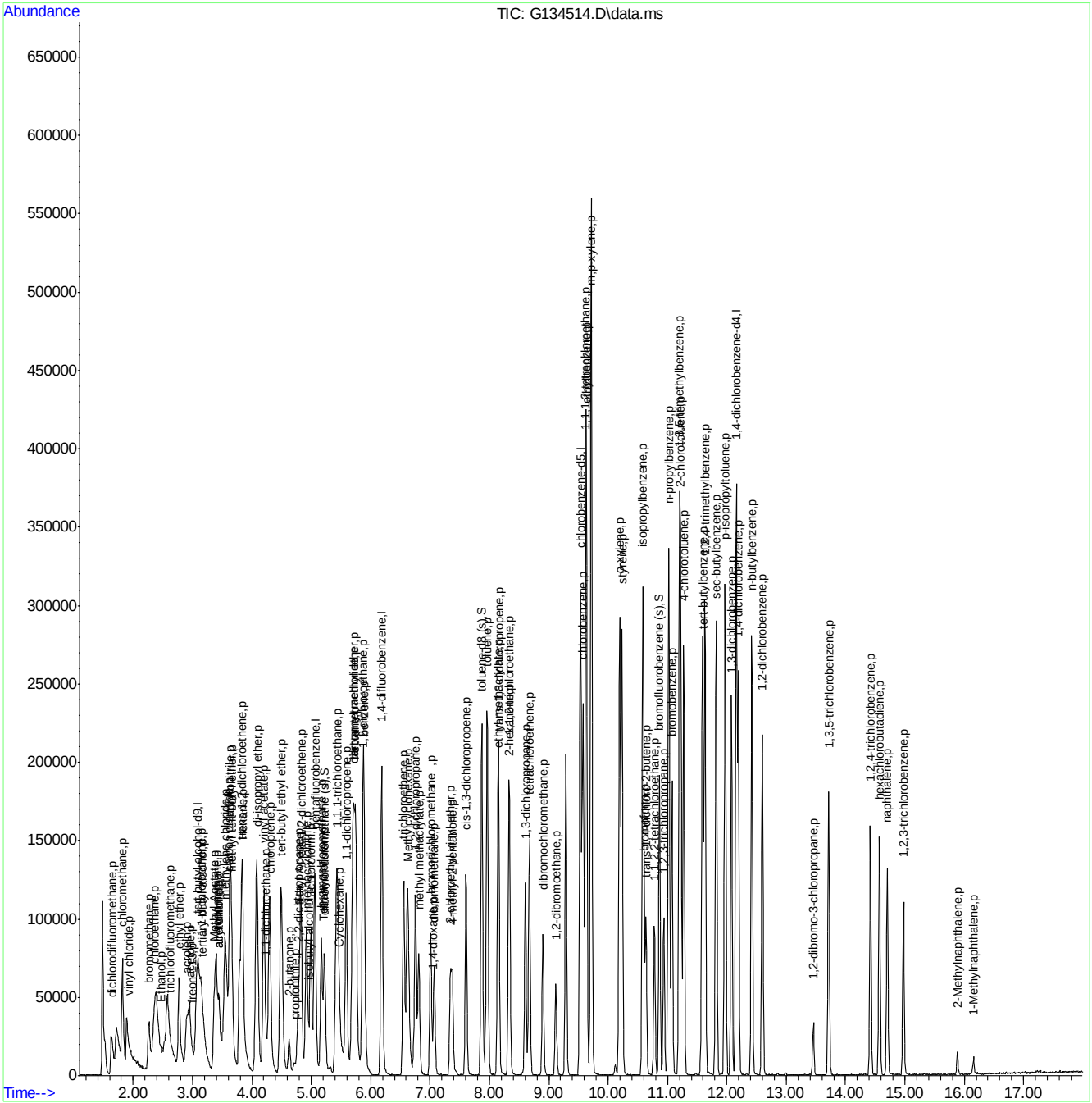
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.078	146	102951	45.03	ppb		93
94)	p-isopropyltoluene	11.971	119	203977	49.71	ppb		92
95)	1,4-dichlorobenzene	12.194	146	104435	45.58	ppb		93
96)	1,2-dichlorobenzene	12.600	146	96223	43.70	ppb		95
97)	n-butylbenzene	12.419	91	178210	46.10	ppb		91
98)	1,2-dibromo-3-chloropr...	13.457	75	9950	41.54	ppb	#	60
99)	1,3,5-trichlorobenzene	13.716	180	60751	49.53	ug/L		98
100)	1,2,4-trichlorobenzene	14.419	180	51308	48.55	ppb		100
101)	hexachlorobutadiene	14.572	225	35595	58.23	ppb		96
102)	naphthalene	14.706	128	113471	39.84	ppb		100
103)	2-Methylnaphthalene	15.887	142	7792	17.43	ug/L		96
104)	1-Methylnaphthalene	16.153	142	5862m	15.40	ug/L		
105)	1,2,3-trichlorobenzene	14.976	180	35973	43.11	ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134514.D
Acq On : 10 Jan 2014 9:13 am
Operator : jaimem
Sample : bs
Misc : MS30937,MSG5188,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 10 09:33:42 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/10/14 14:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134519.D
Acq On : 10 Jan 2014 11:38 am
Operator : jaimem
Sample : mc27530-1ms
Misc : MS30954,MSG5188,6.93,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 10 12:26:27 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.093	65	81162	500.00	ppb		-0.01
4) pentafluorobenzene	5.067	168	115261	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.191	114	187583	50.00	ppb		0.00
66) chlorobenzene-d5	9.535	82	105509	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.159	152	95978	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.227	113	47874	57.82	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 115.64%				
60) toluene-d8 (s)	7.874	98	174865	55.48	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.96%				
82) bromofluorobenzene (s)	10.863	95	70418	48.87	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.74%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.164	59	74478	472.31	ppb		93
3) Ethanol	2.481	45	75027	3632.15	ppb		96
5) dichlorodifluoromethane	1.644	85	35117m	42.23	ppb		
6) chloromethane	1.830	50	74726	40.73	ppb		96
7) vinyl chloride	1.931	62	36240	56.90	ppb		95
8) bromomethane	2.294	96	29989	54.02	ppb	#	70
9) chloroethane	2.390	64	30332	52.66	ppb		97
10) ethyl ether	2.779	59	48050	49.48	ppb		91
11) acetonitrile	3.463	41	79984	46.39	ppb		95
12) trichlorofluoromethane	2.632	101	75517	54.00	ppb		99
13) freon-113	3.056	101	57474m	54.16	ppb		
14) acrolein	2.905	56	12362	67.71	ppb		97
15) 1,1-dichloroethene	3.187	96	56314	49.55	ppb	#	52
16) acetone	2.967	58	11821	67.12	ppb		89
17) Methyl Acetate	3.369	43	65717	35.39	ppb	#	97
18) methylene chloride	3.591	84	50353	47.03	ppb	#	73
19) methyl tert butyl ether	3.659	73	143858	53.74	ppb		95
20) acrylonitrile	3.634	53	60625	96.31	ppb		97
21) allyl chloride	3.463	41	80486	45.47	ppb		79
22) trans-1,2-dichloroethene	3.852	96	46794	47.47	ppb		92
23) iodomethane	3.446	142	74686	47.78	ppb		85
24) carbon disulfide	3.629	76	140774	43.88	ppb		96
25) propionitrile	4.720	54	10954	46.44	ppb		100
26) vinyl acetate	4.203	43	144306	43.75	ppb		96
27) chloroprene	4.311	53	117556	58.08	ppb		83
28) di-isopropyl ether	4.089	45	232580	46.30	ppb		97
29) methacrylonitrile	4.930	41	59692	48.91	ppb		89
30) 2-butanone	4.634	72	6797	52.83	ppb	#	61
31) Ethyl Acetate	4.802	43	58236	182.37	ug/L	#	99
32) Hexane	3.843	41	61164	49.59	ppb		97
33) 1,1-dichloroethane	4.257	63	110047	52.17	ppb		94
34) tert-butyl ethyl ether	4.502	59	205018	52.51	ppb		97
35) isobutyl alcohol	4.959	43	21092	276.05	ppb		82
36) 2,2-dichloropropane	4.783	77	35923	62.53	ppb		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134519.D
Acq On : 10 Jan 2014 11:38 am
Operator : jaimem
Sample : mc27530-1ms
Misc : MS30954,MSG5188,6.93,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 10 12:26:27 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.833	96	50040	47.97	ppb	#	77
38)	bromochloromethane	5.174	128	24962	51.53	ppb	#	83
39)	chloroform	5.000	83	93294	53.65	ppb		93
41)	Tetrahydrofuran	5.212	42	21433	46.62	ppb		89
42)	1,1,1-trichloroethane	5.434	97	66491	56.93	ppb		91
44)	Cyclohexane	5.491	56	91356	47.60	ppb		91
45)	carbon tetrachloride	5.742	117	77889	62.76	ppb		93
46)	1,1-dichloropropene	5.590	75	70035	55.35	ppb		93
47)	benzene	5.890	78	175052	45.47	ppb		95
48)	1,2-dichloroethane	5.870	62	90856	58.43	ppb		91
49)	tert-amyl methyl ether	5.719	73	133182	52.63	ppb		89
50)	heptane	5.736	43	153853	49.20	ppb		91
51)	trichloroethene	6.558	95	54211	51.03	ppb		81
52)	1,2-dichloropropane	6.755	63	55900	45.48	ppb		99
53)	dibromomethane	7.072	93	31470	53.12	ppb		91
54)	bromodichloromethane	7.013	83	71808	56.58	ppb		97
55)	Methylcyclohexane	6.641	83	62778	50.98	ppb	#	82
56)	2-chloroethyl vinyl ether	7.344	63	31039	73.41	ppb		98
57)	methyl methacrylate	6.812	69	31971	48.47	ppb		86
58)	1,4-dioxane	7.067	88	3458	284.92	ppb		74
59)	cis-1,3-dichloropropene	7.606	75	77777	48.08	ppb		97
61)	4-methyl-2-pentanone	7.368	43	98958	55.75	ppb		98
62)	toluene	7.961	92	118298	50.86	ppb		98
63)	trans-1,3-dichloropropene	8.158	75	79474	56.59	ppb		92
64)	1,1,2-trichloroethane	8.332	83	35126	47.99	ppb		99
65)	ethyl methacrylate	8.145	69	58974	49.40	ppb		90
67)	tetrachloroethene	8.675	166	53867	52.43	ppb		98
68)	1,3-dichloropropane	8.608	76	70312	48.53	ppb		97
69)	dibromochloromethane	8.901	129	58682	57.69	ppb		98
70)	1,2-dibromoethane	9.121	107	49240	51.09	ppb		100
71)	2-hexanone	8.339	43	65384	52.88	ppb		94
72)	chlorobenzene	9.577	112	134128	45.84	ppb		91
73)	1,1,1,2-tetrachloroethane	9.623	131	52329	57.70	ppb		97
74)	ethylbenzene	9.632	91	242273	49.89	ppb		94
75)	m,p-xylene	9.716	106	179520	95.96	ppb		86
76)	o-xylene	10.195	106	85827	45.69	ppb	#	66
77)	styrene	10.233	104	147263	49.20	ppb		84
78)	bromoform	10.608	173	36764	55.52	ppb		95
79)	trans-1,4-dichloro-2-b...	10.640	53	28154	48.61	ppb		86
81)	isopropylbenzene	10.586	105	236586	48.32	ppb		93
83)	bromobenzene	11.077	156	55857	49.86	ppb	#	82
84)	1,1,2,2-tetrachloroethane	10.778	83	55637	42.86	ppb		99
85)	1,2,3-trichloropropane	10.938	75	47693	46.97	ppb		98
86)	n-propylbenzene	11.025	91	260560	44.81	ppb		91
87)	2-chlorotoluene	11.219	91	192051	46.81	ppb		85
88)	4-chlorotoluene	11.273	91	174594	47.54	ppb		86
89)	1,3,5-trimethylbenzene	11.199	105	198357	48.78	ppb		89
90)	tert-butylbenzene	11.593	91	139744	49.97	ppb	#	76
91)	1,2,4-trimethylbenzene	11.629	105	194669	47.91	ppb		89
92)	sec-butylbenzene	11.822	105	231833	46.60	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134519.D
Acq On : 10 Jan 2014 11:38 am
Operator : jaimem
Sample : mc27530-1ms
Misc : MS30954,MSG5188,6.93,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 10 12:26:27 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration

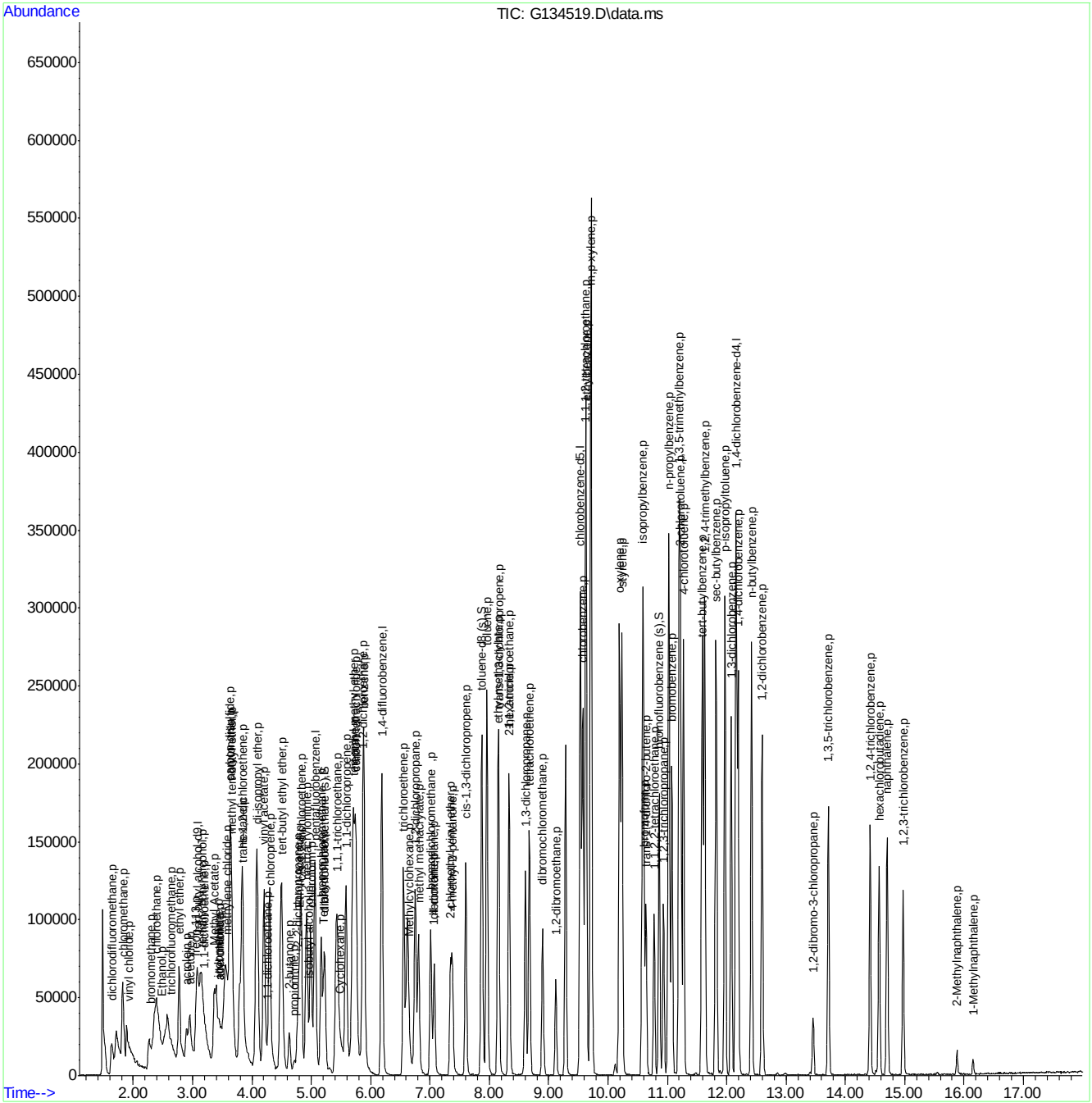
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.078	146	100521	45.56	ppb		94
94)	p-isopropyltoluene	11.971	119	198735	50.19	ppb		90
95)	1,4-dichlorobenzene	12.194	146	105527	47.72	ppb		95
96)	1,2-dichlorobenzene	12.600	146	94712	44.57	ppb		95
97)	n-butylbenzene	12.419	91	173610	46.53	ppb		87
98)	1,2-dibromo-3-chloropr...	13.457	75	11063	47.86	ppb	#	63
99)	1,3,5-trichlorobenzene	13.716	180	59253	50.05	ug/L		98
100)	1,2,4-trichlorobenzene	14.418	180	51547	50.54	ppb		97
101)	hexachlorobutadiene	14.572	225	35579	60.31	ppb		94
102)	naphthalene	14.705	128	124831	45.41	ppb		100
103)	2-Methylnaphthalene	15.885	142	7277	17.07	ug/L		93
104)	1-Methylnaphthalene	16.152	142	5316	14.47	ug/L	#	92
105)	1,2,3-trichlorobenzene	14.976	180	38704	48.06	ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134519.D
Acq On : 10 Jan 2014 11:38 am
Operator : jaimem
Sample : mc27530-1ms
Misc : MS30954,MSG5188,6.93,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 10 12:26:27 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/10/14 14:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134520.D
Acq On : 10 Jan 2014 12:06 pm
Operator : jaimem
Sample : mc27530-1msd
Misc : MS30954,MSG5188,6.93,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 10 12:28:01 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.091	65	74657	500.00	ppb		-0.01
4) pentafluorobenzene	5.068	168	115459	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.191	114	181631	50.00	ppb		0.00
66) chlorobenzene-d5	9.535	82	105406	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.160	152	95384	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.227	113	48065	57.95	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 115.90%				
60) toluene-d8 (s)	7.875	98	174088	57.04	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 114.08%				
82) bromofluorobenzene (s)	10.864	95	71333	49.81	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.62%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.161	59	70419	485.48	ppb		85
3) Ethanol	2.476	45	72124	3806.94	ppb		98
5) dichlorodifluoromethane	1.648	85	38020m	45.64	ppb		
6) chloromethane	1.826	50	73171	39.82	ppb		99
7) vinyl chloride	1.925	62	35220	55.20	ppb		94
8) bromomethane	2.287	96	28999	52.15	ppb		98
9) chloroethane	2.378	64	29882	51.79	ppb		87
10) ethyl ether	2.782	59	49552	50.94	ppb		91
11) acetonitrile	3.453	41	81457	47.16	ppb		91
12) trichlorofluoromethane	2.629	101	77995	55.68	ppb		92
13) freon-113	3.039	101	53235m	50.08	ppb		
14) acrolein	2.903	56	12028	65.77	ppb		92
15) 1,1-dichloroethene	3.174	96	54966	48.28	ppb	#	71
16) acetone	2.965	58	9926	56.26	ppb		92
17) Methyl Acetate	3.370	43	62859	33.79	ppb		97
18) methylene chloride	3.581	84	49447	46.10	ppb		84
19) methyl tert butyl ether	3.658	73	142039	52.97	ppb		94
20) acrylonitrile	3.633	53	59176	93.85	ppb		96
21) allyl chloride	3.453	41	84256	47.52	ppb		86
22) trans-1,2-dichloroethene	3.853	96	49162	49.78	ppb		96
23) iodomethane	3.434	142	76756	49.02	ppb		74
24) carbon disulfide	3.619	76	139382	43.38	ppb		96
25) propionitrile	4.718	54	10313	43.64	ppb		100
26) vinyl acetate	4.202	43	137958	41.75	ppb		92
27) chloroprene	4.305	53	113210	55.84	ppb		81
28) di-isopropyl ether	4.089	45	229342	45.57	ppb		96
29) methacrylonitrile	4.929	41	59882	48.98	ppb		90
30) 2-butanone	4.633	72	6629	51.44	ppb	#	57
31) Ethyl Acetate	4.802	43	56632	177.05	ug/L	#	97
32) Hexane	3.845	41	58092	47.02	ppb		92
33) 1,1-dichloroethane	4.242	63	108039	51.13	ppb		94
34) tert-butyl ethyl ether	4.501	59	202603	51.80	ppb		94
35) isobutyl alcohol	4.956	43	19504	254.83	ppb		77
36) 2,2-dichloropropane	4.783	77	36198	62.90	ppb		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134520.D
Acq On : 10 Jan 2014 12:06 pm
Operator : jaimem
Sample : mc27530-1msd
Misc : MS30954,MSG5188,6.93,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 10 12:28:01 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.833	96	48693	46.60	ppb		85
38) bromochloromethane	5.171	128	24857	51.22	ppb	#	77
39) chloroform	4.998	83	91279	52.40	ppb		99
41) Tetrahydrofuran	5.212	42	20166	43.79	ppb		82
42) 1,1,1-trichloroethane	5.433	97	67555	57.74	ppb		96
44) Cyclohexane	5.488	56	91777	49.39	ppb	#	75
45) carbon tetrachloride	5.738	117	78270	65.13	ppb		95
46) 1,1-dichloropropene	5.591	75	67199	54.85	ppb		94
47) benzene	5.890	78	171539	46.02	ppb		97
48) 1,2-dichloroethane	5.870	62	90481	60.09	ppb		96
49) tert-amyl methyl ether	5.712	73	126822	51.76	ppb		99
50) heptane	5.736	43	147883	48.84	ppb		93
51) trichloroethene	6.558	95	52445	50.99	ppb		80
52) 1,2-dichloropropane	6.755	63	56093	47.13	ppb		98
53) dibromomethane	7.072	93	31312	54.58	ppb		91
54) bromodichloromethane	7.014	83	72388	58.91	ppb		96
55) Methylcyclohexane	6.630	83	56048	47.01	ppb		86
56) 2-chloroethyl vinyl ether	7.344	63	31080	75.92	ppb		98
57) methyl methacrylate	6.812	69	30284	47.42	ppb	#	78
58) 1,4-dioxane	7.061	88	2990	257.61	ppb		84
59) cis-1,3-dichloropropene	7.607	75	78083	49.85	ppb		99
61) 4-methyl-2-pentanone	7.368	43	94036	54.71	ppb		96
62) toluene	7.962	92	117827	52.32	ppb		98
63) trans-1,3-dichloropropene	8.158	75	79553	58.50	ppb		95
64) 1,1,2-trichloroethane	8.332	83	35266	49.76	ppb		97
65) ethyl methacrylate	8.145	69	59111	51.14	ppb		87
67) tetrachloroethene	8.676	166	50662	49.36	ppb		98
68) 1,3-dichloropropane	8.608	76	68945	47.63	ppb		100
69) dibromochloromethane	8.902	129	58589	57.66	ppb		90
70) 1,2-dibromoethane	9.121	107	47641	49.48	ppb		99
71) 2-hexanone	8.339	43	61856	50.08	ppb		97
72) chlorobenzene	9.578	112	134420	45.99	ppb		91
73) 1,1,1,2-tetrachloroethane	9.624	131	52450	57.89	ppb		95
74) ethylbenzene	9.632	91	238759	49.21	ppb		95
75) m,p-xylene	9.716	106	175520	93.91	ppb		88
76) o-xylene	10.195	106	85918	45.78	ppb	#	78
77) styrene	10.233	104	146931	49.14	ppb		82
78) bromoform	10.608	173	38716	58.52	ppb		99
79) trans-1,4-dichloro-2-b...	10.640	53	27747	47.95	ppb		88
81) isopropylbenzene	10.587	105	234961	48.28	ppb		95
83) bromobenzene	11.077	156	54584	49.03	ppb	#	82
84) 1,1,2,2-tetrachloroethane	10.778	83	54736	42.43	ppb		93
85) 1,2,3-trichloropropane	10.938	75	45894	45.48	ppb		94
86) n-propylbenzene	11.026	91	255360	44.19	ppb		95
87) 2-chlorotoluene	11.220	91	188218	46.16	ppb		83
88) 4-chlorotoluene	11.273	91	176640	48.40	ppb		82
89) 1,3,5-trimethylbenzene	11.199	105	196745	48.68	ppb		92
90) tert-butylbenzene	11.594	91	138642	49.89	ppb	#	74
91) 1,2,4-trimethylbenzene	11.630	105	196996	48.78	ppb		90
92) sec-butylbenzene	11.822	105	230617	46.65	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134520.D
Acq On : 10 Jan 2014 12:06 pm
Operator : jaimem
Sample : mc27530-1msd
Misc : MS30954,MSG5188,6.93,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 10 12:28:01 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration

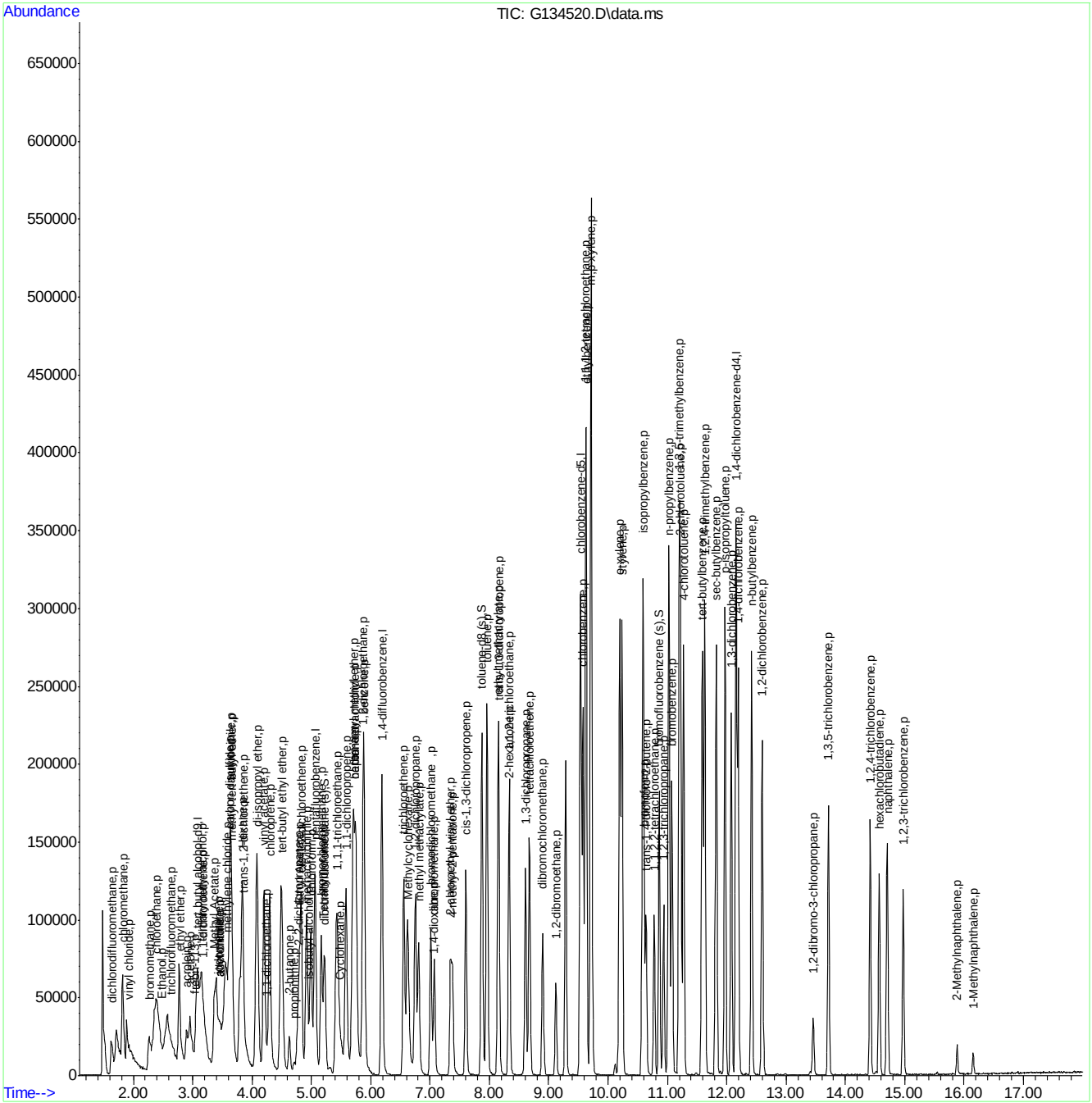
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.078	146	103930	47.40	ppb		92
94)	p-isopropyltoluene	11.971	119	195024	49.56	ppb		91
95)	1,4-dichlorobenzene	12.194	146	107784	49.05	ppb		95
96)	1,2-dichlorobenzene	12.600	146	94458	44.72	ppb		94
97)	n-butylbenzene	12.419	91	172584	46.55	ppb		89
98)	1,2-dibromo-3-chloropr...	13.457	75	10550	45.92	ppb	#	66
99)	1,3,5-trichlorobenzene	13.716	180	58108	49.39	ug/L		100
100)	1,2,4-trichlorobenzene	14.418	180	52193	51.49	ppb		97
101)	hexachlorobutadiene	14.572	225	31945	54.48	ppb		99
102)	naphthalene	14.705	128	125572	45.97	ppb		100
103)	2-Methylnaphthalene	15.887	142	9177	19.96	ug/L		94
104)	1-Methylnaphthalene	16.154	142	6924	18.97	ug/L	#	94
105)	1,2,3-trichlorobenzene	14.976	180	38232	47.77	ppb		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134520.D
Acq On : 10 Jan 2014 12:06 pm
Operator : jaimem
Sample : mc27530-1msd
Misc : MS30954,MSG5188,6.93,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 10 12:28:01 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration



SW-846 Method 8260

```
Data File : C:\msdchem\1\DATA\G131224\G134315.D          Vial: 1
Acq On    : 24 Dec 2013  10:27 am                    Operator: jaimem
Sample    : bfb                                      Inst    : MSG
Misc      : MS30858,MSG5179,10,,,100,10,1            Multiplr: 1.00
MS Integration Params: RTEINT.P

Method    : C:\msdchem\1\METHODS\g131224s.m (RTE Integrator)
Title     : SW-846 Method 8260
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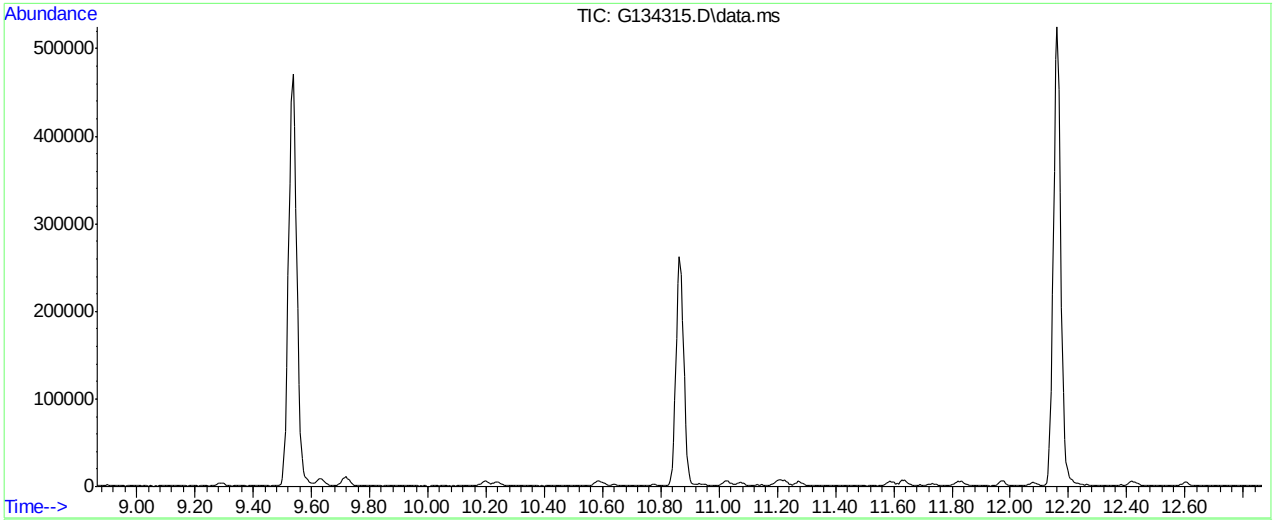
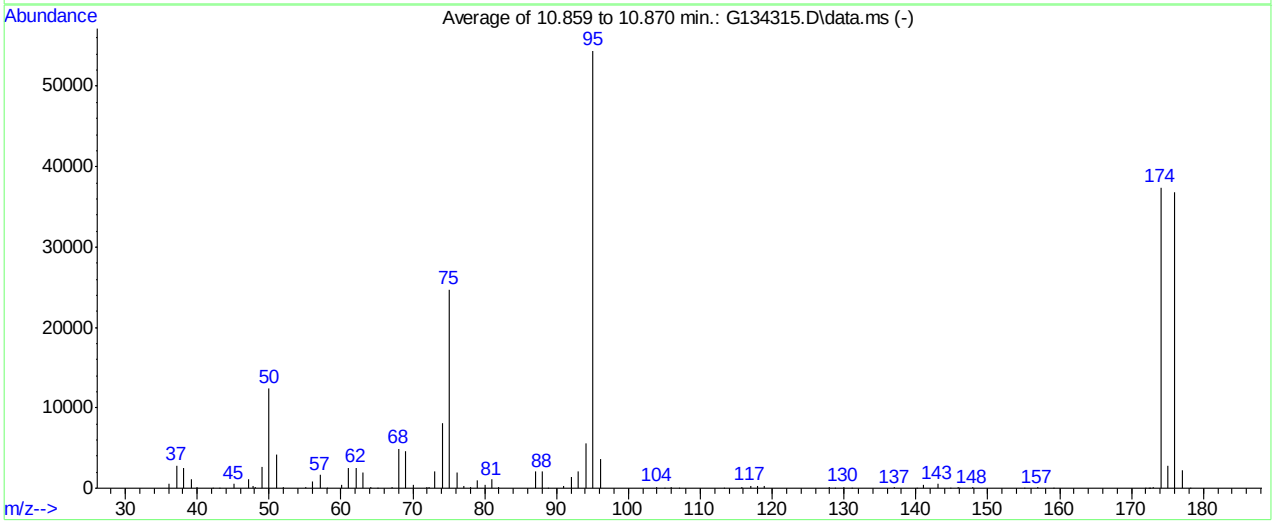




Spectrum Information: Average of 10.859 to 10.870 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.8	12436	PASS
75	95	30	60	45.3	24688	PASS
95	95	100	100	100.0	54453	PASS
96	95	5	9	6.6	3584	PASS
173	174	0.00	2	0.4	152	PASS
174	95	50	150	68.7	37410	PASS
175	174	5	9	7.5	2809	PASS
176	174	95	101	98.3	36760	PASS
177	176	5	9	6.1	2234	PASS

G134315.D g131224s.m Thu Dec 26 08:43:33 2013

Average of 10.859 to 10.870 min.: G134315.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	531	49.10	2606	63.05	1935	75.05	24688
37.15	2818	50.00	12436	64.15	133	76.10	2011
38.15	2556	51.10	4142	65.05	43	77.10	309
39.15	1175	52.05	193	67.05	145	78.00	169
40.00	134	55.10	195	68.05	4913	79.00	978
42.15	37	56.05	839	69.05	4598	80.00	369
43.10	71	57.10	1653	70.00	366	81.00	1088
45.10	517	58.05	39	71.95	124	82.00	150
47.15	1101	60.10	449	72.20	198	87.05	2040
47.85	291	61.05	2520	73.10	2136	88.00	2067
48.15	87	62.10	2558	74.10	8153	88.75	43

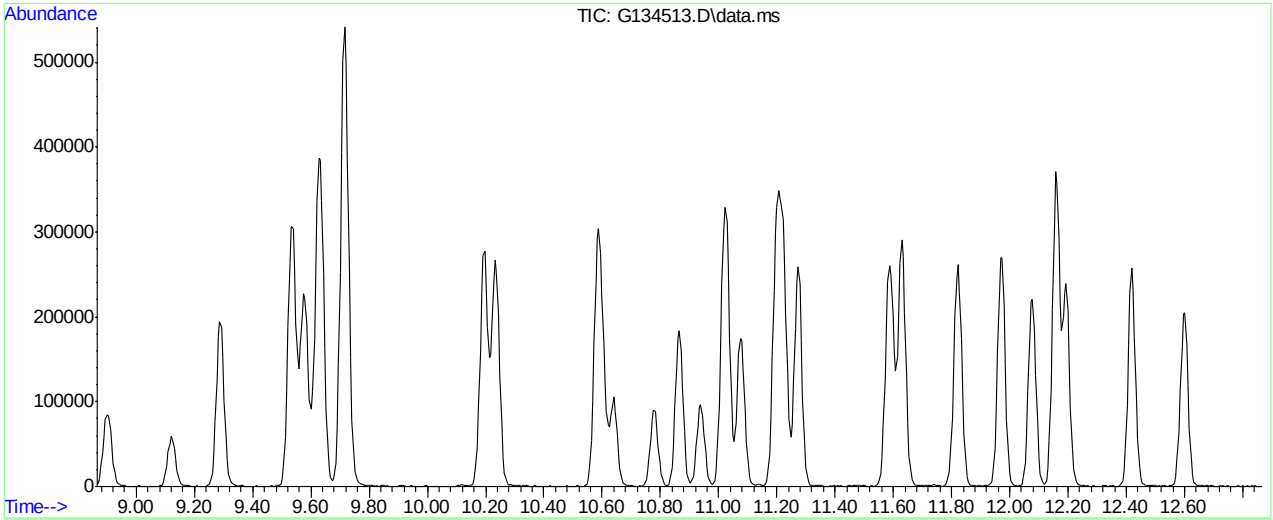
Average of 10.859 to 10.870 min.: G134315.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.00	255	115.85	209	143.00	529	173.05	152
92.05	1395	116.95	344	144.75	50	174.05	37410
93.05	2155	118.00	218	145.85	82	175.00	2809
94.05	5604	118.95	336	146.05	51	176.05	36760
95.05	54453	128.00	149	147.90	107	177.00	2234
96.05	3584	128.65	37	155.05	37	178.15	34
103.95	160	129.90	176	156.95	136		
105.05	44	131.05	52	159.10	71		
105.90	156	137.05	105	171.85	34		
107.05	44	140.05	35	172.35	60		
113.25	34	141.05	405	172.55	58		

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\G140110\G134513.D Vial: 2
Acq On : 10 Jan 2014 8:45 am Operator: jaimem
Sample : bfb Inst : MSG
Misc : MS30937,MSG5188,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\g131224s.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Average of 10.861 to 10.871 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.7	8362	PASS
75	95	30	60	48.0	17659	PASS
95	95	100	100	100.0	36765	PASS
96	95	5	9	5.5	2008	PASS
173	174	0.00	2	0.3	91	PASS
174	95	50	150	75.8	27885	PASS
175	174	5	9	7.5	2084	PASS
176	174	95	101	95.8	26706	PASS
177	176	5	9	6.2	1662	PASS

G134513.D g131224s.m Fri Jan 10 09:09:18 2014

Average of 10.861 to 10.871 min.: G134513.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	380	48.05	208	58.05	42	72.00	199
37.10	1708	48.25	90	59.35	41	72.25	69
38.15	1682	49.10	1696	60.05	223	72.95	468
39.10	788	50.10	8362	61.10	1926	73.15	876
41.00	76	51.15	2643	62.10	1754	74.10	5574
43.20	94	51.95	57	63.10	1466	75.05	17659
44.10	83	52.20	90	64.00	141	76.10	1551
44.95	186	54.25	37	67.05	73	76.95	215
45.15	164	55.10	191	68.05	3987	77.85	52
46.05	37	56.05	684	69.10	3438	78.05	98
47.10	646	57.10	1225	70.10	350	79.00	840

Average of 10.861 to 10.871 min.: G134513.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
80.00	235	94.05	3887	124.55	42	172.35	45
80.95	709	95.05	36765	128.10	90	172.85	91
81.95	37	96.10	2008	128.95	43	174.05	27885
82.15	116	104.00	81	130.05	1	175.05	2084
86.05	43	106.00	166	136.95	45	176.05	26706
87.05	1102	110.95	69	140.95	397	177.05	1662
88.10	1102	115.90	122	143.00	375	253.05	50
90.85	45	116.85	67	145.85	65		
91.10	145	117.10	112	147.95	55		
92.05	1212	117.85	77	170.25	38		
93.05	1365	119.05	177	171.75	68		

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/26/13 10:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134316.D
Acq On : 24 Dec 2013 10:56 am
Operator : jaimem
Sample : ic5179-0.5
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 26 07:53:30 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 07:51:42 2013
Response via : Initial Calibration

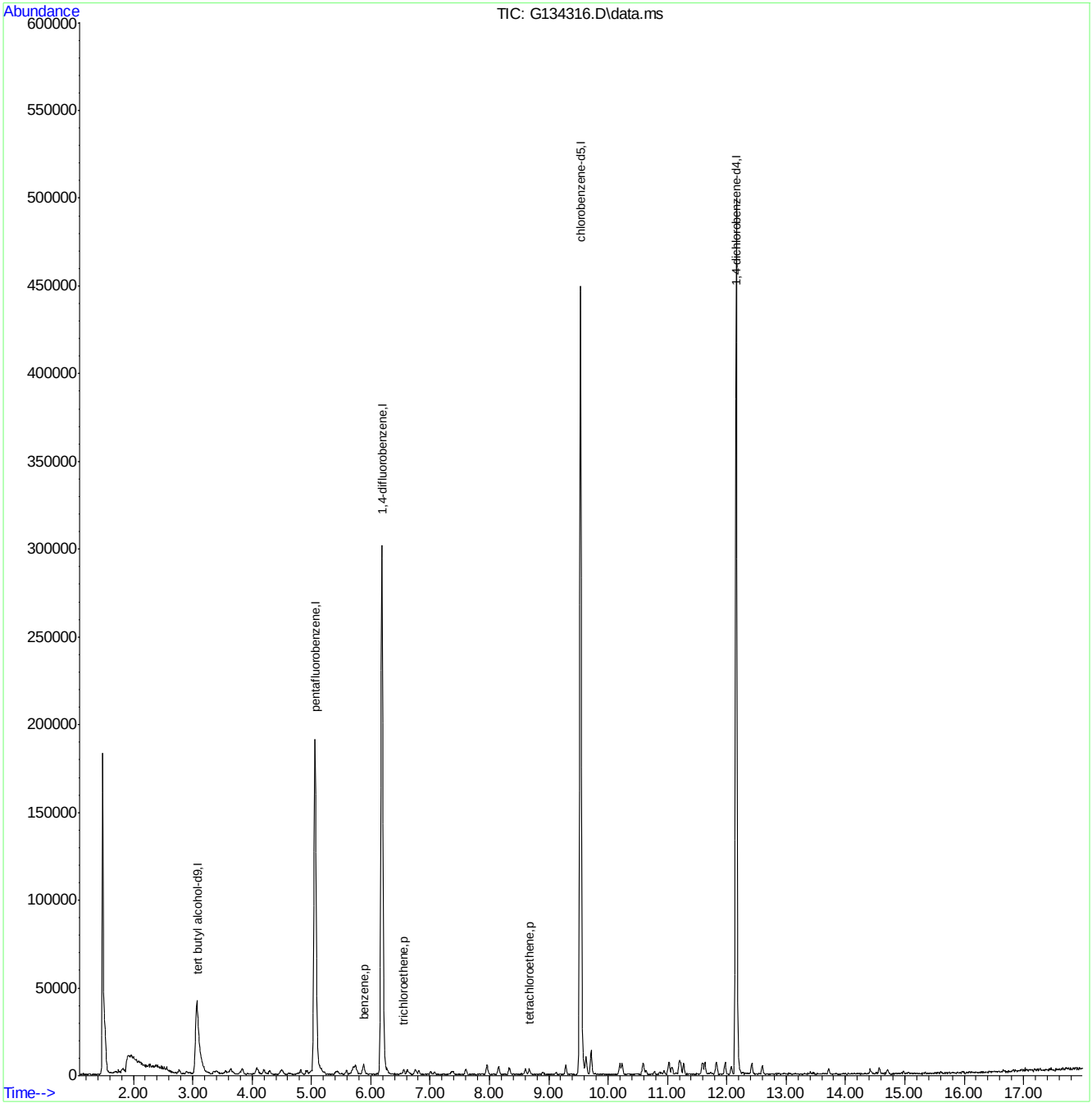
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.093	65	101906	500.00	ppb		0.00
4) pentafluorobenzene	5.067	168	178255	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.191	114	298981	50.00	ppb		0.00
66) chlorobenzene-d5	9.536	82	160055	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.161	152	134152	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	0.000	113	0	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
60) toluene-d8 (s)	0.000	98	0	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
82) bromofluorobenzene (s)	0.000	95	0	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
47) benzene	5.883	78	3984m	0.68	ppb		
51) trichloroethene	6.557	95	1085	0.66	ppb		75
67) tetrachloroethene	8.677	166	1083	0.76	ppb	#	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134316.D
Acq On : 24 Dec 2013 10:56 am
Operator : jaimem
Sample : ic5179-0.5
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 26 07:53:30 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 07:51:42 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/26/13 10:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134317.D
Acq On : 24 Dec 2013 11:25 am
Operator : jaimem
Sample : ic5179-2
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 26 07:58:29 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 07:53:55 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.091	65	100388	500.00	ppb		0.00
4) pentafluorobenzene	5.067	168	186342	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.191	114	313364	50.00	ppb		0.00
66) chlorobenzene-d5	9.536	82	165271	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.161	152	136771	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	0.000	113	0	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
60) toluene-d8 (s)	0.000	98	0	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
82) bromofluorobenzene (s)	0.000	95	0d	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
3) Ethanol	2.472	45	8689m	341.59	ppb		
5) dichlorodifluoromethane	1.640	85	2081	1.40	ppb		94
7) vinyl chloride	1.902	62	1937	1.68	ppb		59
8) bromomethane	2.269	96	1543	1.55	ppb		96
12) trichlorofluoromethane	2.613	101	4100m	1.70	ppb		
15) 1,1-dichloroethene	3.125	96	3967m	2.11	ppb		
18) methylene chloride	3.549	84	3848	2.16	ppb	#	75
19) methyl tert butyl ether	3.655	73	10061	2.30	ppb		73
22) trans-1,2-dichloroethene	3.813	96	3928	2.35	ppb	#	46
28) di-isopropyl ether	4.086	45	19580	2.40	ppb		96
33) 1,1-dichloroethane	4.220	63	7740	2.20	ppb		84
34) tert-butyl ethyl ether	4.498	59	14567	2.30	ppb		89
37) cis-1,2-dichloroethene	4.827	96	4245	2.52	ppb		80
39) chloroform	4.995	83	6997	2.51	ppb		85
42) 1,1,1-trichloroethane	5.430	97	4605	2.54	ppb	#	57
45) carbon tetrachloride	5.709	117	4909	2.33	ppb		85
47) benzene	5.890	78	14965	2.07	ppb		98
48) 1,2-dichloroethane	5.869	62	6248	2.43	ppb		98
51) trichloroethene	6.555	95	4066	2.03	ppb	#	73
52) 1,2-dichloropropane	6.754	63	4888	2.40	ppb		92
54) bromodichloromethane	7.012	83	5155	2.50	ppb		82
59) cis-1,3-dichloropropene	7.606	75	6367	2.39	ppb		94
63) trans-1,3-dichloropropene	8.160	75	5404	2.30	ppb		92
64) 1,1,2-trichloroethane	8.331	83	3030	2.53	ppb	#	70
67) tetrachloroethene	8.676	166	3766	2.03	ppb		86
69) dibromochloromethane	8.902	129	3537	2.17	ppb		87
70) 1,2-dibromoethane	9.121	107	3500	2.32	ppb		89
72) chlorobenzene	9.578	112	11729	2.64	ppb		99
74) ethylbenzene	9.632	91	18927	2.54	ppb		89
75) m,p-xylene	9.717	106	14813	5.13	ppb		96
76) o-xylene	10.196	106	7440	2.57	ppb	#	76
78) bromoform	10.609	173	2410	2.36	ppb		91
84) 1,1,2,2-tetrachloroethane	10.779	83	4433	2.47	ppb		98
93) 1,3-dichlorobenzene	12.079	146	7840	2.55	ppb		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134317.D
Acq On : 24 Dec 2013 11:25 am
Operator : jaimem
Sample : ic5179-2
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 26 07:58:29 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 07:53:55 2013
Response via : Initial Calibration

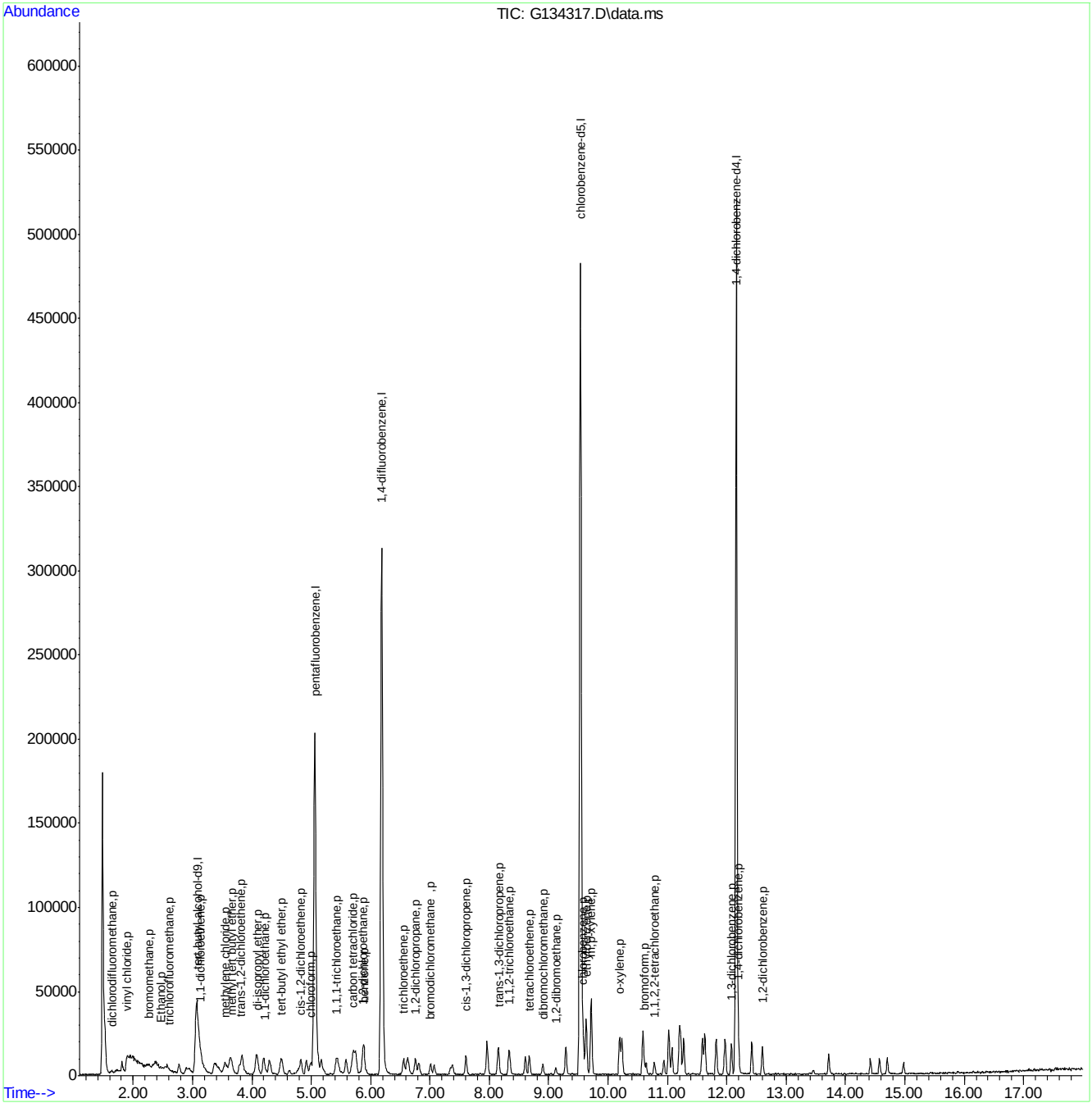
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) 1,4-dichlorobenzene	12.194	146	7877	2.57	ppb	95
96) 1,2-dichlorobenzene	12.601	146	7278	2.46	ppb	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134317.D
Acq On : 24 Dec 2013 11:25 am
Operator : jaimem
Sample : ic5179-2
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 26 07:58:29 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 07:53:55 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/26/13 10:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134318.D
Acq On : 24 Dec 2013 11:54 am
Operator : jaimem
Sample : ic5179-5
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 26 08:01:50 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 07:58:50 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.092	65	97401	500.00	ppb		0.00
4) pentafluorobenzene	5.067	168	187621	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.191	114	312622	50.00	ppb		0.00
66) chlorobenzene-d5	9.536	82	166410	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.161	152	139719	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.225	113	6836	5.01	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.02%#				
60) toluene-d8 (s)	7.874	98	27245	5.06	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.12%#				
82) bromofluorobenzene (s)	10.865	95	11231	5.38	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.76%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.159	59	10751	57.91	ppb		97
3) Ethanol	2.479	45	17071m	510.86	ppb		
5) dichlorodifluoromethane	1.648	85	7355m	5.78	ppb		
6) chloromethane	1.825	50	14879	4.60	ppb		93
7) vinyl chloride	1.925	62	5652	5.30	ppb		75
8) bromomethane	2.290	96	4804	5.41	ppb		79
9) chloroethane	2.380	64	4712m	4.57	ppb		
10) ethyl ether	2.776	59	8488	5.39	ppb		91
11) acetonitrile	3.451	41	14373	5.13	ppb		86
12) trichlorofluoromethane	2.625	101	11611m	5.17	ppb		
13) freon-113	3.018	101	9100m	5.14	ppb		
14) acrolein	2.904	56	7357	24.29	ppb		92
15) 1,1-dichloroethene	3.158	96	9705	4.99	ppb	#	48
17) Methyl Acetate	3.371	43	16099	5.15	ppb	#	95
18) methylene chloride	3.580	84	9379	5.03	ppb	#	66
19) methyl tert butyl ether	3.657	73	22743	4.80	ppb		90
20) acrylonitrile	3.630	53	5364	4.94	ppb		87
21) allyl chloride	3.451	41	14373	4.92	ppb		76
22) trans-1,2-dichloroethene	3.819	96	7292	3.99	ppb		92
23) iodomethane	3.429	142	12967	4.80	ppb		82
24) carbon disulfide	3.615	76	26287	4.73	ppb		96
25) propionitrile	4.715	54	2023	4.93	ppb		100
26) vinyl acetate	4.202	43	28466	5.20	ppb		91
27) chloroprene	4.301	53	17319	5.11	ppb		84
28) di-isopropyl ether	4.086	45	41539	4.60	ppb		96
29) methacrylonitrile	4.930	41	10962	5.43	ppb		87
30) 2-butanone	4.635	72	1064	4.81	ppb	#	74
31) Ethyl Acetate	4.802	43	3183	6.36	ug/L	#	95
32) Hexane	3.842	41	12011	5.95	ppb		98
33) 1,1-dichloroethane	4.227	63	16917	4.55	ppb		95
34) tert-butyl ethyl ether	4.498	59	32834	4.79	ppb		93
35) isobutyl alcohol	4.954	43	3805	29.68	ppb	#	54
36) 2,2-dichloropropane	4.780	77	4953	5.00	ppb		93
37) cis-1,2-dichloroethene	4.829	96	8798	4.59	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134318.D
Acq On : 24 Dec 2013 11:54 am
Operator : jaimem
Sample : ic5179-5
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 26 08:01:50 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 07:58:50 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) bromochloromethane	5.171	128	4297	5.34	ppb		97
39) chloroform	4.995	83	14400	4.55	ppb		98
41) Tetrahydrofuran	5.213	42	4081	5.39	ppb		85
42) 1,1,1-trichloroethane	5.428	97	9343	4.51	ppb		79
44) Cyclohexane	5.481	56	17345	5.04	ppb	#	73
45) carbon tetrachloride	5.720	117	9988m	4.39	ppb		
46) 1,1-dichloropropene	5.590	75	11633	5.43	ppb		97
47) benzene	5.888	78	34291	4.70	ppb		97
48) 1,2-dichloroethane	5.870	62	13329	4.69	ppb		100
49) tert-amyl methyl ether	5.713	73	23295	5.50	ppb		99
50) heptane	5.739	43	29506	5.60	ppb		89
51) trichloroethene	6.558	95	9297	4.64	ppb		90
52) 1,2-dichloropropane	6.754	63	10927	4.89	ppb		99
53) dibromomethane	7.072	93	5378	5.34	ppb		91
54) bromodichloromethane	7.013	83	10755	4.64	ppb		96
55) Methylcyclohexane	6.632	83	10800	5.23	ppb		91
56) 2-chloroethyl vinyl ether	7.345	63	3618	5.08	ppb	#	79
57) methyl methacrylate	6.814	69	5908	5.22	ppb		84
58) 1,4-dioxane	7.064	88	300m	14.72	ppb		
59) cis-1,3-dichloropropene	7.606	75	13960	4.78	ppb		95
61) 4-methyl-2-pentanone	7.372	43	15823	5.28	ppb		98
62) toluene	7.962	92	21357	5.45	ppb		92
63) trans-1,3-dichloropropene	8.159	75	12288	4.87	ppb		97
64) 1,1,2-trichloroethane	8.331	83	6612	4.89	ppb		99
65) ethyl methacrylate	8.146	69	10836	5.35	ppb		87
67) tetrachloroethene	8.676	166	8393	4.47	ppb		93
68) 1,3-dichloropropane	8.609	76	12505	5.43	ppb		98
69) dibromochloromethane	8.902	129	8310	4.86	ppb		91
70) 1,2-dibromoethane	9.122	107	7642	4.66	ppb		100
71) 2-hexanone	8.342	43	11576	5.77	ppb		96
72) chlorobenzene	9.578	112	25226	4.86	ppb		99
73) 1,1,1,2-tetrachloroethane	9.624	131	8181	5.61	ppb		82
74) ethylbenzene	9.633	91	41359	4.86	ppb		96
75) m,p-xylene	9.717	106	32026	9.65	ppb		88
76) o-xylene	10.197	106	15950	4.79	ppb	#	69
77) styrene	10.235	104	26193	5.41	ppb		84
78) bromoform	10.609	173	5435	4.85	ppb		95
79) trans-1,4-dichloro-2-b...	10.642	53	4853	5.29	ppb	#	70
81) isopropylbenzene	10.588	105	39331	5.52	ppb		99
83) bromobenzene	11.079	156	9358	5.62	ppb	#	77
84) 1,1,2,2-tetrachloroethane	10.780	83	10566	5.16	ppb		93
85) 1,2,3-trichloropropane	10.940	75	8730	5.90	ppb		100
86) n-propylbenzene	11.027	91	47035	5.49	ppb		92
87) 2-chlorotoluene	11.221	91	33468	5.59	ppb		87
88) 4-chlorotoluene	11.275	91	28922	5.27	ppb		84
89) 1,3,5-trimethylbenzene	11.200	105	32890	5.52	ppb		98
90) tert-butylbenzene	11.595	91	23286	5.76	ppb	#	78
91) 1,2,4-trimethylbenzene	11.631	105	33090	5.54	ppb		95
92) sec-butylbenzene	11.822	105	40247	5.54	ppb		94
93) 1,3-dichlorobenzene	12.078	146	17145	4.80	ppb		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134318.D
Acq On : 24 Dec 2013 11:54 am
Operator : jaimem
Sample : ic5179-5
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 26 08:01:50 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 07:58:50 2013
Response via : Initial Calibration

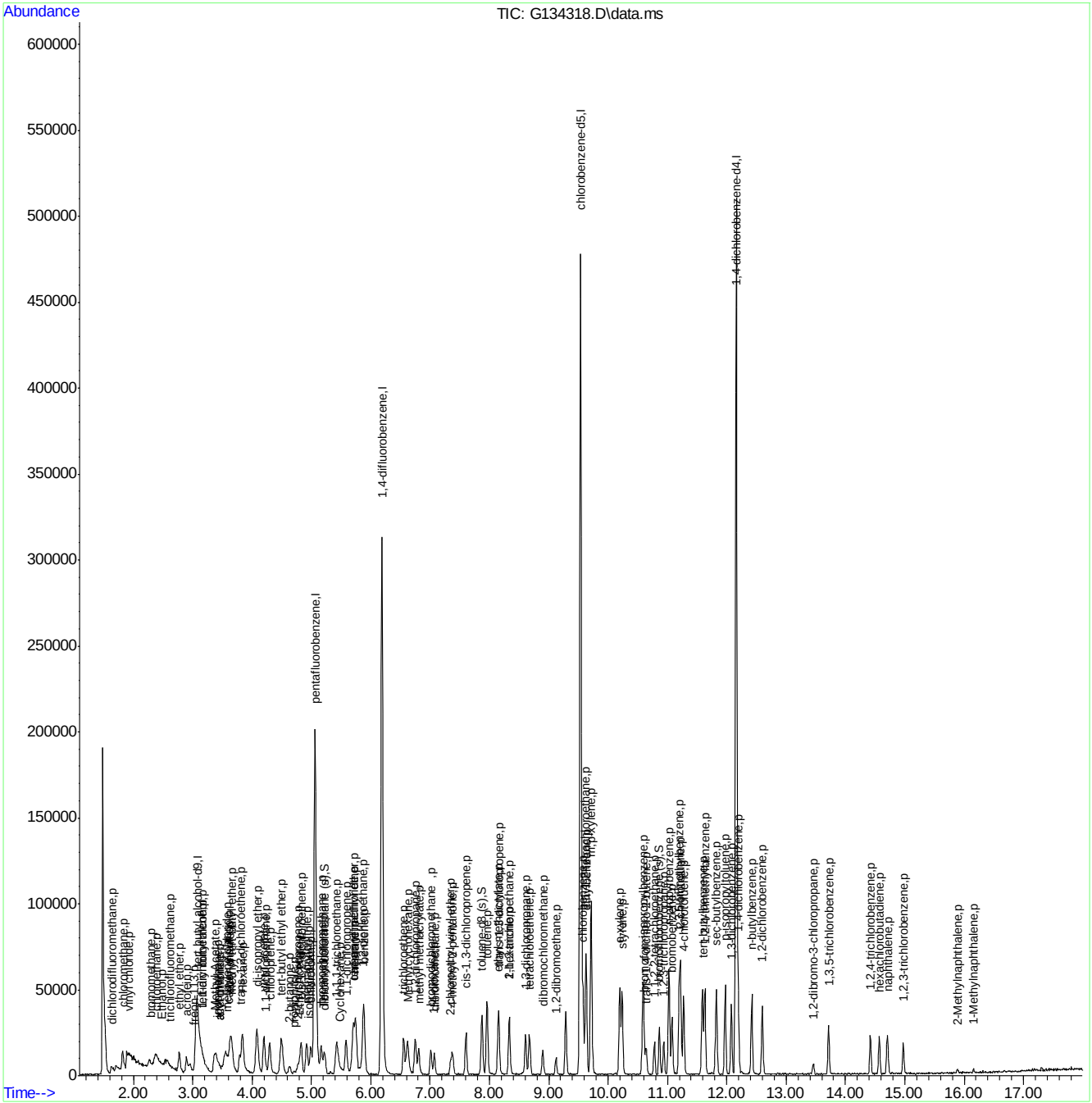
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
94)	p-isopropyltoluene	11.972	119	32567	5.60	ppb		91
95)	1,4-dichlorobenzene	12.195	146	17752	4.96	ppb		86
96)	1,2-dichlorobenzene	12.601	146	16623	4.94	ppb		91
97)	n-butylbenzene	12.421	91	30567	5.65	ppb		90
98)	1,2-dibromo-3-chloropr...	13.459	75	1794	5.46	ppb	#	47
99)	1,3,5-trichlorobenzene	13.718	180	9385	5.48	ug/L		94
100)	1,2,4-trichlorobenzene	14.420	180	7398	4.87	ppb		95
101)	hexachlorobutadiene	14.573	225	5223	6.32	ppb		89
102)	naphthalene	14.708	128	19114	4.59	ppb		100
103)	2-Methylnaphthalene	15.889	142	1136m	1.73	ug/L		
104)	1-Methylnaphthalene	16.156	142	1253	2.31	ug/L	#	79
105)	1,2,3-trichlorobenzene	14.978	180	5723	4.50	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134318.D
Acq On : 24 Dec 2013 11:54 am
Operator : jaimem
Sample : ic5179-5
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 26 08:01:50 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 07:58:50 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/26/13 10:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134319.D
Acq On : 24 Dec 2013 12:22 pm
Operator : jaimem
Sample : ic5179-10
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 26 08:03:55 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:02:08 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.091	65	94369	500.00	ppb		0.00
4) pentafluorobenzene	5.067	168	184738	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.191	114	306500	50.00	ppb		0.00
66) chlorobenzene-d5	9.536	82	165149	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.160	152	135868	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.224	113	12409	9.23	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 18.46%#				
60) toluene-d8 (s)	7.875	98	48770	9.18	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 18.36%#				
82) bromofluorobenzene (s)	10.865	95	20751	9.85	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 19.70%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.162	59	16812	86.61	ppb		86
3) Ethanol	2.476	45	25440m	780.12	ppb		
5) dichlorodifluoromethane	1.644	85	12438m	9.44	ppb		
6) chloromethane	1.823	50	27383	8.96	ppb		99
7) vinyl chloride	1.915	62	10288	9.60	ppb		86
8) bromomethane	2.279	96	8240	9.17	ppb		92
9) chloroethane	2.360	64	8181	8.42	ppb		93
10) ethyl ether	2.777	59	14138	8.78	ppb		93
11) acetonitrile	3.438	41	26723	9.56	ppb		98
12) trichlorofluoromethane	2.622	101	21211	9.48	ppb		97
13) freon-113	3.014	101	14471m	8.19	ppb		
14) acrolein	2.903	56	12623	42.94	ppb		98
15) 1,1-dichloroethene	3.145	96	15776	8.24	ppb	#	73
16) acetone	2.959	58	2905	9.53	ppb		89
17) Methyl Acetate	3.371	43	28342	9.07	ppb	#	96
18) methylene chloride	3.567	84	15723	8.54	ppb	#	64
19) methyl tert butyl ether	3.656	73	38059	8.27	ppb		85
20) acrylonitrile	3.632	53	9182	8.64	ppb		71
21) allyl chloride	3.438	41	26723	9.36	ppb		95
22) trans-1,2-dichloroethene	3.829	96	14161	8.43	ppb	#	58
23) iodomethane	3.415	142	22618	8.67	ppb		73
24) carbon disulfide	3.613	76	45168	8.49	ppb		96
25) propionitrile	4.718	54	3369	8.40	ppb		100
26) vinyl acetate	4.202	43	46354	8.43	ppb		91
27) chloroprene	4.303	53	29179	8.65	ppb		89
28) di-isopropyl ether	4.088	45	70696	8.17	ppb		94
29) methacrylonitrile	4.929	41	17728	8.55	ppb		91
30) 2-butanone	4.635	72	2164	10.13	ppb		90
31) Ethyl Acetate	4.800	43	4650	8.31	ug/L	#	65
32) Hexane	3.843	41	19909	9.15	ppb	#	95
33) 1,1-dichloroethane	4.227	63	30873	8.69	ppb		98
34) tert-butyl ethyl ether	4.501	59	55394	8.33	ppb		94
35) isobutyl alcohol	4.956	43	5360	38.82	ppb		86
36) 2,2-dichloropropane	4.781	77	9008	9.23	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134319.D
Acq On : 24 Dec 2013 12:22 pm
Operator : jaimem
Sample : ic5179-10
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 26 08:03:55 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:02:08 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.829	96	14395	7.84	ppb		84
38) bromochloromethane	5.170	128	6927	8.46	ppb	#	64
39) chloroform	4.996	83	24904	8.24	ppb		95
41) Tetrahydrofuran	5.215	42	6631	8.56	ppb		96
42) 1,1,1-trichloroethane	5.431	97	16393	8.30	ppb		82
44) Cyclohexane	5.471	56	31022m	9.16	ppb		
45) carbon tetrachloride	5.728	117	18638m	8.71	ppb		
46) 1,1-dichloropropene	5.589	75	19532	8.91	ppb		88
47) benzene	5.890	78	56108	7.96	ppb		99
48) 1,2-dichloroethane	5.869	62	24107	8.84	ppb		99
49) tert-amyl methyl ether	5.713	73	38774	8.89	ppb		84
50) heptane	5.738	43	47952	8.75	ppb		99
51) trichloroethene	6.557	95	14763	7.65	ppb		97
52) 1,2-dichloropropane	6.754	63	18084	8.32	ppb		95
53) dibromomethane	7.072	93	8983	8.80	ppb	#	79
54) bromodichloromethane	7.013	83	18436	8.32	ppb		91
55) Methylcyclohexane	6.631	83	20405	9.85	ppb		87
56) 2-chloroethyl vinyl ether	7.345	63	6143	8.73	ppb		97
57) methyl methacrylate	6.814	69	9970	8.79	ppb		86
58) 1,4-dioxane	7.055	88	726m	45.73	ppb		
59) cis-1,3-dichloropropene	7.606	75	23516	8.34	ppb		86
61) 4-methyl-2-pentanone	7.373	43	26023	8.62	ppb		95
62) toluene	7.961	92	36069	8.98	ppb		94
63) trans-1,3-dichloropropene	8.158	75	20517	8.37	ppb		95
64) 1,1,2-trichloroethane	8.332	83	10710	8.14	ppb		94
65) ethyl methacrylate	8.145	69	17925	8.72	ppb		92
67) tetrachloroethene	8.676	166	13760	7.58	ppb		93
68) 1,3-dichloropropane	8.609	76	20738	8.70	ppb		92
69) dibromochloromethane	8.901	129	13335	7.93	ppb		88
70) 1,2-dibromoethane	9.121	107	13552	8.51	ppb		99
71) 2-hexanone	8.343	43	18858	8.80	ppb		95
72) chlorobenzene	9.577	112	40992	8.03	ppb		95
73) 1,1,1,2-tetrachloroethane	9.624	131	12732	8.29	ppb		91
74) ethylbenzene	9.632	91	69170	8.27	ppb		97
75) m,p-xylene	9.716	106	52870	16.25	ppb		89
76) o-xylene	10.196	106	25672	7.88	ppb		90
77) styrene	10.234	104	42478	8.49	ppb		79
78) bromoform	10.608	173	8759	7.95	ppb		99
79) trans-1,4-dichloro-2-b...	10.641	53	7733	8.25	ppb	#	73
81) isopropylbenzene	10.587	105	67151	9.21	ppb		94
83) bromobenzene	11.079	156	15218	8.85	ppb	#	77
84) 1,1,2,2-tetrachloroethane	10.778	83	16326	8.11	ppb		92
85) 1,2,3-trichloropropane	10.939	75	13181	8.41	ppb		91
86) n-propylbenzene	11.026	91	78882	9.02	ppb		89
87) 2-chlorotoluene	11.220	91	56591	9.18	ppb		82
88) 4-chlorotoluene	11.274	91	50953	9.29	ppb		85
89) 1,3,5-trimethylbenzene	11.199	105	55306	9.08	ppb		96
90) tert-butylbenzene	11.595	91	37492	8.86	ppb	#	75
91) 1,2,4-trimethylbenzene	11.631	105	55301	9.03	ppb		91
92) sec-butylbenzene	11.823	105	68318	9.17	ppb		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134319.D
Acq On : 24 Dec 2013 12:22 pm
Operator : jaimem
Sample : ic5179-10
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 26 08:03:55 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:02:08 2013
Response via : Initial Calibration

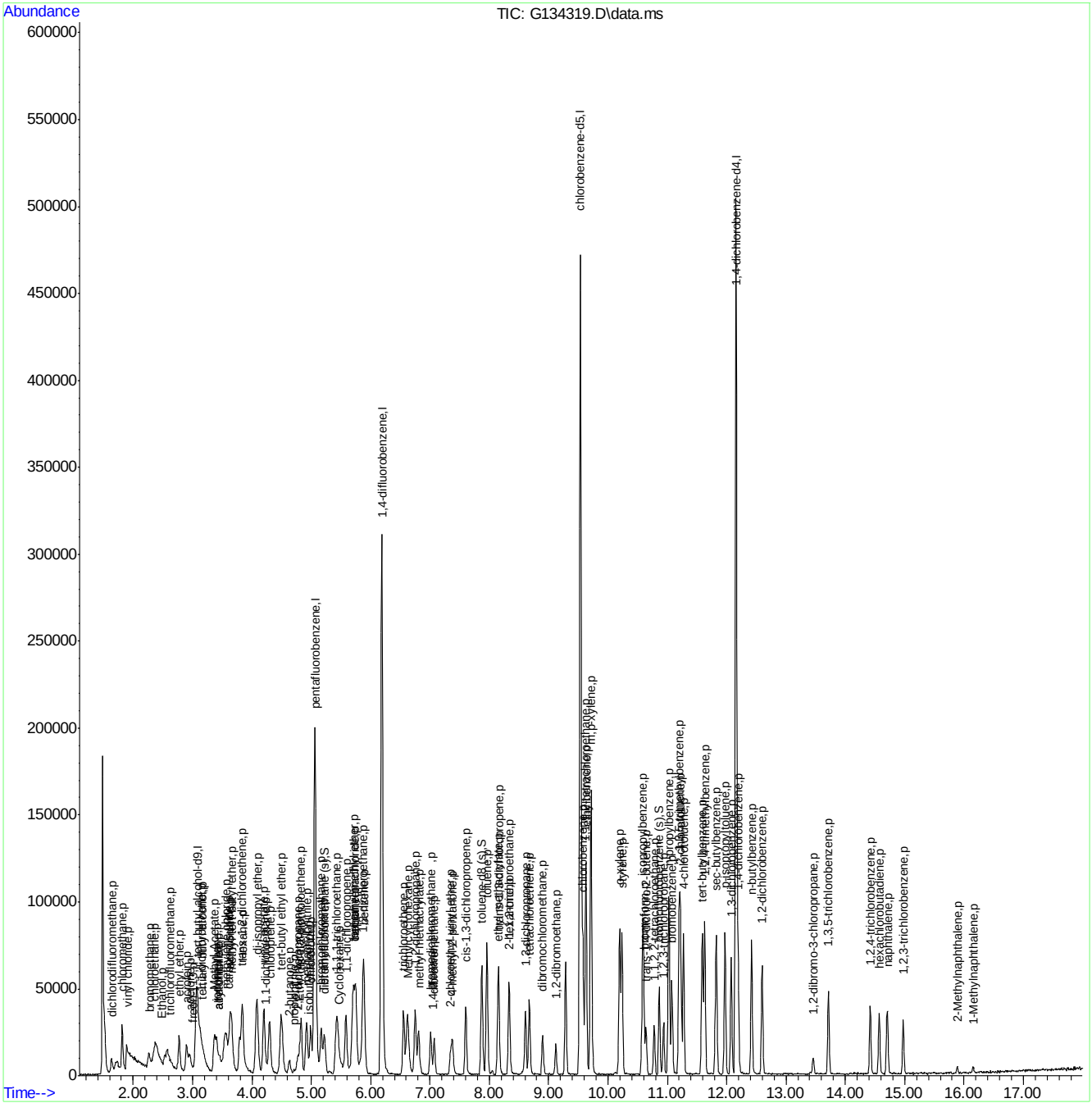
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.079	146	28506	8.31	ppb		92
94)	p-isopropyltoluene	11.972	119	52775	8.81	ppb		95
95)	1,4-dichlorobenzene	12.195	146	29020	8.36	ppb		98
96)	1,2-dichlorobenzene	12.601	146	27686	8.49	ppb		96
97)	n-butylbenzene	12.421	91	49570	8.85	ppb		89
98)	1,2-dibromo-3-chloropr...	13.458	75	2838	8.49	ppb	#	48
99)	1,3,5-trichlorobenzene	13.717	180	15790	9.05	ug/L		98
100)	1,2,4-trichlorobenzene	14.421	180	13143	9.02	ppb		90
101)	hexachlorobutadiene	14.573	225	8758	9.63	ppb		95
102)	naphthalene	14.708	128	31986	8.24	ppb		100
103)	2-Methylnaphthalene	15.889	142	2151	3.98	ug/L		94
104)	1-Methylnaphthalene	16.156	142	1943	3.83	ug/L		86
105)	1,2,3-trichlorobenzene	14.977	180	9454	8.05	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134319.D
Acq On : 24 Dec 2013 12:22 pm
Operator : jaimem
Sample : ic5179-10
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 26 08:03:55 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:02:08 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES MC27551

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski 12/26/13 10:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134320.D
Acq On : 24 Dec 2013 12:51 pm
Operator : jaimem
Sample : ic5179-25
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 26 08:07:08 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:05:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.087	65	92266	500.00	ppb		0.00
4) pentafluorobenzene	5.067	168	178547	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.191	114	302702	50.00	ppb		0.00
66) chlorobenzene-d5	9.535	82	159081	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.160	152	134830	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.226	113	32429	25.61	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 51.22%#				
60) toluene-d8 (s)	7.875	98	129430	25.36	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 50.72%#				
82) bromofluorobenzene (s)	10.864	95	51798	24.90	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 49.80%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.161	59	46090	254.21	ppb		93
3) Ethanol	2.475	45	64505m	2140.82	ppb		
5) dichlorodifluoromethane	1.644	85	36550m	29.10	ppb		
6) chloromethane	1.825	50	76740	26.91	ppb		98
7) vinyl chloride	1.921	62	27390	26.72	ppb		100
8) bromomethane	2.285	96	23820	28.02	ppb		89
9) chloroethane	2.370	64	24401	27.43	ppb		96
10) ethyl ether	2.777	59	36699	24.58	ppb		92
11) acetonitrile	3.447	41	72326	27.18	ppb		93
12) trichlorofluoromethane	2.632	101	59060	27.68	ppb		94
13) freon-113	3.040	101	44439m	27.68	ppb		
14) acrolein	2.904	56	36005	132.98	ppb		96
15) 1,1-dichloroethene	3.159	96	44232	25.00	ppb	#	74
16) acetone	2.961	58	7211	25.06	ppb		89
17) Methyl Acetate	3.369	43	69695	23.82	ppb		98
18) methylene chloride	3.571	84	40680	23.74	ppb	#	67
19) methyl tert butyl ether	3.659	73	100815	23.69	ppb		90
20) acrylonitrile	3.631	53	23374	23.84	ppb		92
21) allyl chloride	3.447	41	74721	27.67	ppb		95
22) trans-1,2-dichloroethene	3.836	96	38105	24.44	ppb	#	68
23) iodomethane	3.424	142	62994	26.15	ppb		93
24) carbon disulfide	3.625	76	128863	26.38	ppb		99
25) propionitrile	4.717	54	8933	24.34	ppb		100
26) vinyl acetate	4.203	43	128700	25.55	ppb		94
27) chloroprene	4.304	53	81240	26.09	ppb		86
28) di-isopropyl ether	4.088	45	190333	23.84	ppb		95
29) methacrylonitrile	4.928	41	47189	24.74	ppb		94
30) 2-butanone	4.635	72	5025	24.24	ppb	#	57
31) Ethyl Acetate	4.802	43	12793	25.06	ug/L	#	98
32) Hexane	3.844	41	49919	24.43	ppb		90
33) 1,1-dichloroethane	4.231	63	82605	24.87	ppb		100
34) tert-butyl ethyl ether	4.501	59	146123	23.72	ppb		96
35) isobutyl alcohol	4.949	43	12584	101.90	ppb	#	72
36) 2,2-dichloropropane	4.785	77	25711	27.98	ppb		87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134320.D
Acq On : 24 Dec 2013 12:51 pm
Operator : jaimem
Sample : ic5179-25
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 26 08:07:08 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:05:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.830	96	38537	22.95	ppb		89
38) bromochloromethane	5.172	128	19035	25.35	ppb	#	82
39) chloroform	4.998	83	66217	23.72	ppb		95
41) Tetrahydrofuran	5.218	42	17850	25.04	ppb		95
42) 1,1,1-trichloroethane	5.433	97	49263	26.96	ppb		94
44) Cyclohexane	5.471	56	82204m	25.28	ppb		
45) carbon tetrachloride	5.730	117	51571	25.22	ppb		84
46) 1,1-dichloropropene	5.588	75	52658	25.25	ppb		92
47) benzene	5.890	78	148217	22.19	ppb		99
48) 1,2-dichloroethane	5.870	62	61965	23.69	ppb		94
49) tert-amyl methyl ether	5.712	73	97029	23.39	ppb		96
50) heptane	5.737	43	129769	25.03	ppb		92
51) trichloroethene	6.557	95	41329	22.75	ppb		76
52) 1,2-dichloropropane	6.754	63	49697	24.16	ppb		98
53) dibromomethane	7.072	93	23571	24.36	ppb		90
54) bromodichloromethane	7.013	83	50525	24.09	ppb		99
55) Methylcyclohexane	6.638	83	56391	27.70	ppb		86
56) 2-chloroethyl vinyl ether	7.345	63	16108	24.19	ppb		96
57) methyl methacrylate	6.811	69	25190	23.44	ppb		85
58) 1,4-dioxane	7.065	88	2160m	141.80	ppb		
59) cis-1,3-dichloropropene	7.606	75	63724	23.87	ppb		95
61) 4-methyl-2-pentanone	7.372	43	70338	24.72	ppb		96
62) toluene	7.962	92	96076	25.07	ppb		94
63) trans-1,3-dichloropropene	8.158	75	54461	23.45	ppb		96
64) 1,1,2-trichloroethane	8.332	83	27920	22.53	ppb		93
65) ethyl methacrylate	8.145	69	45890	23.61	ppb		79
67) tetrachloroethene	8.676	166	37523	22.55	ppb		97
68) 1,3-dichloropropane	8.608	76	55809	25.41	ppb		94
69) dibromochloromethane	8.901	129	37447	24.38	ppb		100
70) 1,2-dibromoethane	9.121	107	36331	24.61	ppb		88
71) 2-hexanone	8.341	43	50558	25.50	ppb		100
72) chlorobenzene	9.578	112	109051	23.34	ppb		88
73) 1,1,1,2-tetrachloroethane	9.624	131	34740	24.90	ppb		95
74) ethylbenzene	9.632	91	184150	23.88	ppb		94
75) m,p-xylene	9.716	106	141866	47.48	ppb		87
76) o-xylene	10.196	106	70584	23.75	ppb		95
77) styrene	10.234	104	114363	24.99	ppb		86
78) bromoform	10.609	173	23588	23.44	ppb		89
79) trans-1,4-dichloro-2-b...	10.641	53	20971	24.67	ppb		81
81) isopropylbenzene	10.587	105	178870	25.39	ppb		97
83) bromobenzene	11.078	156	40200	24.50	ppb	#	78
84) 1,1,2,2-tetrachloroethane	10.779	83	43513	22.86	ppb		93
85) 1,2,3-trichloropropane	10.939	75	34443	23.38	ppb		95
86) n-propylbenzene	11.026	91	214363	25.54	ppb		91
87) 2-chlorotoluene	11.220	91	149057	25.04	ppb		88
88) 4-chlorotoluene	11.273	91	135170	25.44	ppb		87
89) 1,3,5-trimethylbenzene	11.200	105	148147	25.28	ppb		95
90) tert-butylbenzene	11.594	91	101680	25.18	ppb		84
91) 1,2,4-trimethylbenzene	11.630	105	144103	24.51	ppb		97
92) sec-butylbenzene	11.822	105	180234	25.08	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134320.D
Acq On : 24 Dec 2013 12:51 pm
Operator : jaimem
Sample : ic5179-25
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 26 08:07:08 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:05:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.078	146	76814	23.57	ppb		92
94) p-isopropyltoluene	11.972	119	144607	25.32	ppb		94
95) 1,4-dichlorobenzene	12.195	146	76405	23.13	ppb		94
96) 1,2-dichlorobenzene	12.600	146	74128	23.80	ppb		94
97) n-butylbenzene	12.420	91	137267	25.68	ppb		85
98) 1,2-dibromo-3-chloropr...	13.458	75	7736	24.56	ppb	#	69
99) 1,3,5-trichlorobenzene	13.717	180	43525	25.96	ug/L		99
100) 1,2,4-trichlorobenzene	14.420	180	36336	25.97	ppb		93
101) hexachlorobutadiene	14.573	225	21253	23.84	ppb	#	42
102) naphthalene	14.707	128	94222	25.98	ppb		100
103) 2-Methylnaphthalene	15.889	142	6820	13.65	ug/L		95
104) 1-Methylnaphthalene	16.157	142	5148m	11.09	ug/L		
105) 1,2,3-trichlorobenzene	14.977	180	29218	26.81	ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

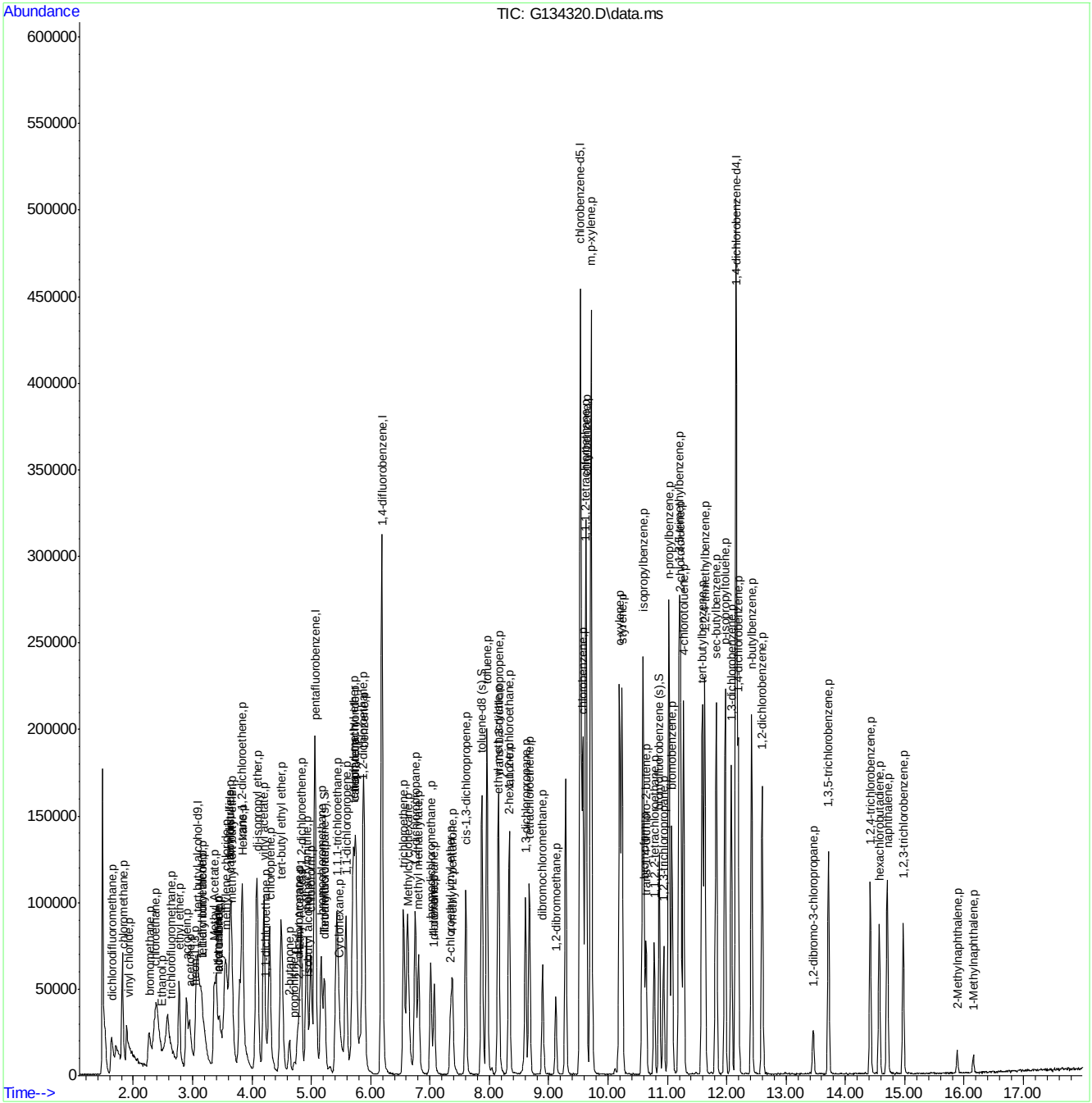
7.6.5

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134320.D
Acq On : 24 Dec 2013 12:51 pm
Operator : jaimem
Sample : ic5179-25
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 26 08:07:08 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:05:23 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/26/13 10:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134321.D
Acq On : 24 Dec 2013 1:19 pm
Operator : jaimem
Sample : icc5179-50
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 26 08:09:46 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:07:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.095	65	100074	500.00	ppb		0.00
4) pentafluorobenzene	5.068	168	172390	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.191	114	292945	50.00	ppb		0.00
66) chlorobenzene-d5	9.535	82	158569	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.161	152	136111	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.227	113	62669	50.95	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.90%				
60) toluene-d8 (s)	7.875	98	252437	50.93	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.86%				
82) bromofluorobenzene (s)	10.865	95	101712	48.48	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.96%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.164	59	95377	482.97	ppb		99
3) Ethanol	2.481	45	127639m	4021.18	ppb		
5) dichlorodifluoromethane	1.650	85	68814m	54.94	ppb		
6) chloromethane	1.828	50	148473	52.92	ppb		98
7) vinyl chloride	1.929	62	53208	53.03	ppb		97
8) bromomethane	2.290	96	45910	54.61	ppb		88
9) chloroethane	2.381	64	47374	53.85	ppb		98
10) ethyl ether	2.778	59	72293	50.36	ppb		91
11) acetonitrile	3.453	41	128664	49.01	ppb		97
12) trichlorofluoromethane	2.637	101	115291	54.79	ppb		99
13) freon-113	3.051	101	83415m	52.41	ppb		
14) acrolein	2.908	56	72335	272.35	ppb		95
15) 1,1-dichloroethene	3.179	96	89488	52.39	ppb	#	76
16) acetone	2.966	58	14224	51.16	ppb	#	78
17) Methyl Acetate	3.369	43	143624	51.44	ppb		99
18) methylene chloride	3.583	84	82430	50.32	ppb		83
19) methyl tert butyl ether	3.652	73	192356m	47.32	ppb		
20) acrylonitrile	3.633	53	49859	53.29	ppb		97
21) allyl chloride	3.448	41	134844m	50.38	ppb		
22) trans-1,2-dichloroethene	3.851	96	77177	51.50	ppb		98
23) iodomethane	3.435	142	124202	52.79	ppb		88
24) carbon disulfide	3.623	76	255207	53.37	ppb		99
25) propionitrile	4.720	54	18838	53.52	ppb		100
26) vinyl acetate	4.201	43	249171m	50.95	ppb		
27) chloroprene	4.310	53	155643	51.22	ppb		83
28) di-isopropyl ether	4.090	45	377031	49.38	ppb		97
29) methacrylonitrile	4.928	41	92808	50.53	ppb		97
30) 2-butanone	4.635	72	10153	51.11	ppb	#	43
31) Ethyl Acetate	4.802	43	22994	46.62	ug/L	#	93
32) Hexane	3.843	41	92699	47.25	ppb	#	94
33) 1,1-dichloroethane	4.241	63	162861	50.84	ppb		98
34) tert-butyl ethyl ether	4.502	59	292731	49.72	ppb		98
35) isobutyl alcohol	4.956	43	29453	258.99	ppb		88
36) 2,2-dichloropropane	4.783	77	45525	49.83	ppb		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134321.D
Acq On : 24 Dec 2013 1:19 pm
Operator : jaimem
Sample : icc5179-50
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 26 08:09:46 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:07:23 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.834	96	78013	48.93	ppb		92
38) bromochloromethane	5.174	128	36955	50.79	ppb	#	67
39) chloroform	4.999	83	128816	48.28	ppb		96
41) Tetrahydrofuran	5.212	42	34806	50.55	ppb		99
42) 1,1,1-trichloroethane	5.432	97	83972	46.87	ppb		92
44) Cyclohexane	5.472	56	145738m	46.18	ppb		
45) carbon tetrachloride	5.738	117	98396	49.63	ppb		99
46) 1,1-dichloropropene	5.591	75	100435	49.63	ppb		93
47) benzene	5.891	78	286238	45.13	ppb		97
48) 1,2-dichloroethane	5.870	62	120230	47.99	ppb		97
49) tert-amyl methyl ether	5.713	73	198606	50.28	ppb		95
50) heptane	5.738	43	247056	49.22	ppb		91
51) trichloroethene	6.558	95	80488	46.48	ppb		83
52) 1,2-dichloropropane	6.755	63	95070	48.08	ppb		99
53) dibromomethane	7.073	93	47154	50.68	ppb		87
54) bromodichloromethane	7.014	83	96540	47.92	ppb		98
55) Methylcyclohexane	6.642	83	96834	47.86	ppb		99
56) 2-chloroethyl vinyl ether	7.344	63	33386	52.24	ppb		97
57) methyl methacrylate	6.812	69	52991	51.76	ppb		84
58) 1,4-dioxane	7.061	88	4430m	290.73	ppb		
59) cis-1,3-dichloropropene	7.607	75	124756	48.73	ppb		98
61) 4-methyl-2-pentanone	7.372	43	140379	51.13	ppb		95
62) toluene	7.962	92	183710	49.51	ppb		99
63) trans-1,3-dichloropropene	8.159	75	109986	49.55	ppb		95
64) 1,1,2-trichloroethane	8.332	83	55917	47.56	ppb		97
65) ethyl methacrylate	8.145	69	94913	51.17	ppb		86
67) tetrachloroethene	8.677	166	70958	43.49	ppb		98
68) 1,3-dichloropropane	8.609	76	109665	49.89	ppb		98
69) dibromochloromethane	8.902	129	78191	51.32	ppb		99
70) 1,2-dibromoethane	9.122	107	72471	49.40	ppb		97
71) 2-hexanone	8.340	43	95556	48.12	ppb		97
72) chlorobenzene	9.578	112	213111	46.37	ppb		91
73) 1,1,1,2-tetrachloroethane	9.625	131	69521	50.04	ppb		96
74) ethylbenzene	9.633	91	357226	46.89	ppb		95
75) m,p-xylene	9.717	106	276972	93.95	ppb		89
76) o-xylene	10.196	106	138846	47.34	ppb		89
77) styrene	10.234	104	230607	50.57	ppb		88
78) bromoform	10.609	173	48988	49.45	ppb		98
79) trans-1,4-dichloro-2-b...	10.641	53	43737	51.79	ppb		87
81) isopropylbenzene	10.587	105	347136	48.63	ppb		95
83) bromobenzene	11.078	156	81055	49.18	ppb	#	75
84) 1,1,2,2-tetrachloroethane	10.779	83	89381	47.32	ppb		93
85) 1,2,3-trichloropropane	10.939	75	72051	49.24	ppb		99
86) n-propylbenzene	11.026	91	417458	49.01	ppb		92
87) 2-chlorotoluene	11.221	91	291797	48.54	ppb		89
88) 4-chlorotoluene	11.274	91	267564	49.67	ppb		85
89) 1,3,5-trimethylbenzene	11.200	105	290089	48.89	ppb		95
90) tert-butylbenzene	11.595	91	196841	48.20	ppb	#	77
91) 1,2,4-trimethylbenzene	11.631	105	290986	49.27	ppb		96
92) sec-butylbenzene	11.823	105	354085	48.76	ppb		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134321.D
Acq On : 24 Dec 2013 1:19 pm
Operator : jaimem
Sample : icc5179-50
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 26 08:09:46 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:07:23 2013
Response via : Initial Calibration

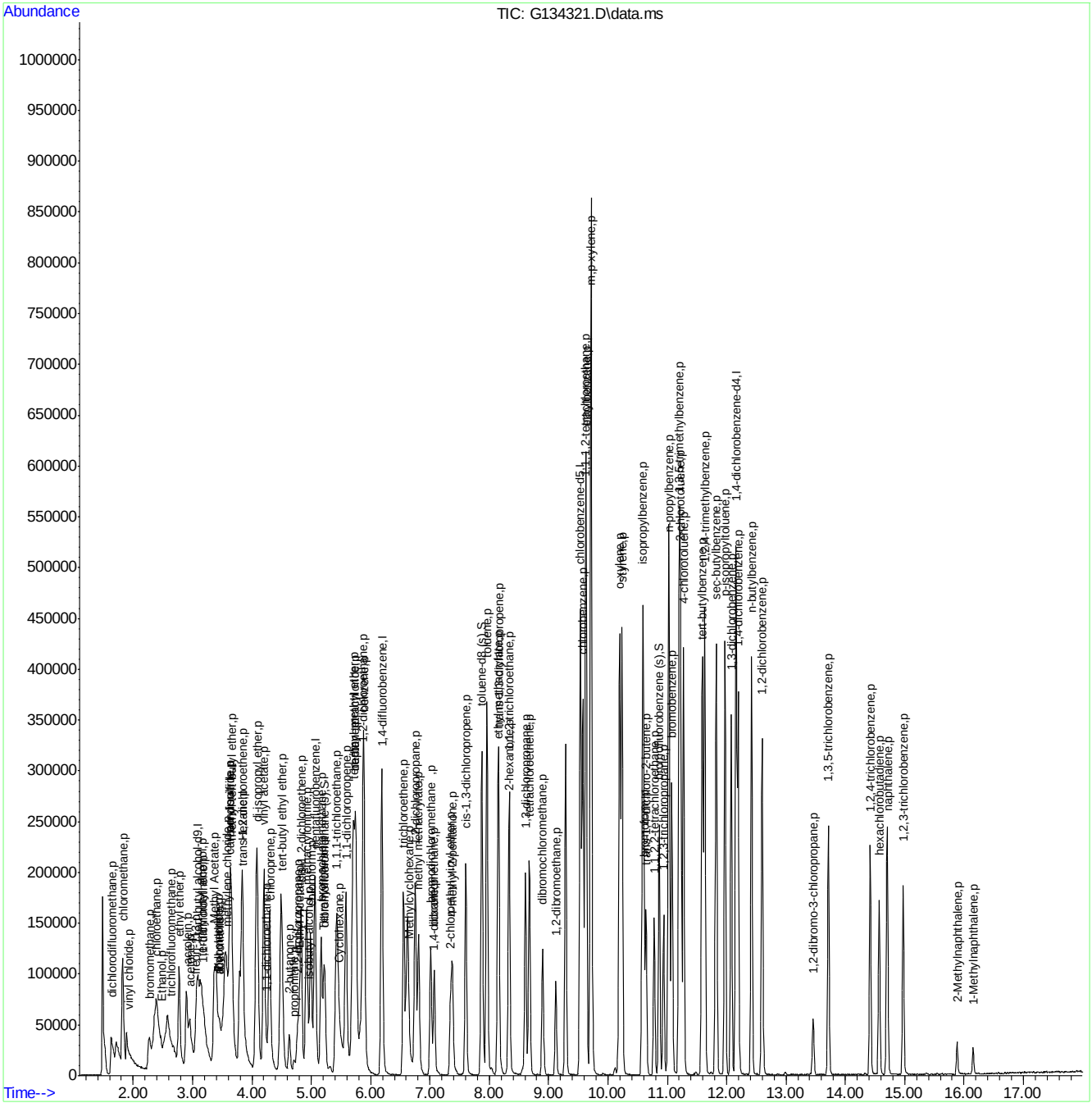
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.079	146	153222	47.11	ppb		91
94)	p-isopropyltoluene	11.972	119	283152	48.96	ppb		92
95)	1,4-dichlorobenzene	12.195	146	152781	46.51	ppb		95
96)	1,2-dichlorobenzene	12.601	146	147035	47.22	ppb		94
97)	n-butylbenzene	12.421	91	263474	48.49	ppb		88
98)	1,2-dibromo-3-chloropr...	13.458	75	16010	50.57	ppb	#	58
99)	1,3,5-trichlorobenzene	13.717	180	83412	48.81	ug/L		100
100)	1,2,4-trichlorobenzene	14.420	180	73926	51.84	ppb		95
101)	hexachlorobutadiene	14.573	225	40250	45.25	ppb		95
102)	naphthalene	14.707	128	202696	54.83	ppb		100
103)	2-Methylnaphthalene	15.888	142	15979	30.97	ug/L		97
104)	1-Methylnaphthalene	16.158	142	13222m	29.02	ug/L		
105)	1,2,3-trichlorobenzene	14.978	180	61940	55.29	ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134321.D
Acq On : 24 Dec 2013 1:19 pm
Operator : jaimem
Sample : icc5179-50
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 26 08:09:46 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:07:23 2013
Response via : Initial Calibration



G134322.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski 12/26/13 10:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134322.D
Acq On : 24 Dec 2013 1:48 pm
Operator : jaimem
Sample : ic5179-100
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 26 08:11:15 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:09:59 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.094	65	98432	500.00	ppb		0.00
4) pentafluorobenzene	5.068	168	177307	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.191	114	303943	50.00	ppb		0.00
66) chlorobenzene-d5	9.535	82	165160	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.160	152	140196	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.227	113	129197	102.13	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 204.26%#				
60) toluene-d8 (s)	7.875	98	508432	98.87	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 197.74%#				
82) bromofluorobenzene (s)	10.865	95	203185	94.02	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 188.04%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.163	59	187801	966.85	ppb		96
3) Ethanol	2.478	45	242148	7747.62	ppb		96
5) dichlorodifluoromethane	1.644	85	126158m	97.93	ppb		
6) chloromethane	1.827	50	271655	94.14	ppb		98
7) vinyl chloride	1.921	62	93965	91.06	ppb		98
8) bromomethane	2.284	96	82823	95.78	ppb		93
9) chloroethane	2.375	64	87146	96.31	ppb		91
10) ethyl ether	2.781	59	153222	103.77	ppb		87
11) acetonitrile	3.449	41	263343	97.53	ppb		96
12) trichlorofluoromethane	2.622	101	211398m	96.98	ppb		
13) freon-113	3.045	101	163686m	99.36	ppb		
14) acrolein	2.907	56	138250	500.89	ppb		98
15) 1,1-dichloroethene	3.177	96	167676	94.91	ppb	#	73
16) acetone	2.969	58	28645	100.18	ppb	#	75
17) Methyl Acetate	3.369	43	281041	97.87	ppb		99
18) methylene chloride	3.576	84	159767	94.83	ppb	#	76
19) methyl tert butyl ether	3.660	73	411568	99.42	ppb		91
20) acrylonitrile	3.633	53	95006	98.73	ppb		97
21) allyl chloride	3.449	41	271414	98.49	ppb		85
22) trans-1,2-dichloroethene	3.847	96	145487	94.38	ppb	#	79
23) iodomethane	3.430	142	240075	99.22	ppb		85
24) carbon disulfide	3.619	76	485775	98.78	ppb		100
25) propionitrile	4.719	54	35745	98.74	ppb		100
26) vinyl acetate	4.202	43	507963	101.25	ppb		94
27) chloroprene	4.309	53	312714	100.05	ppb		90
28) di-isopropyl ether	4.089	45	754615	96.09	ppb		96
29) methacrylonitrile	4.926	41	181180	95.90	ppb		96
30) 2-butanone	4.634	72	20058	98.17	ppb	#	60
31) Ethyl Acetate	4.802	43	46644	91.95	ug/L	#	95
32) Hexane	3.843	41	177378	87.91	ppb	#	95
33) 1,1-dichloroethane	4.238	63	316043	95.92	ppb		99
34) tert-butyl ethyl ether	4.501	59	588749	97.22	ppb		94
35) isobutyl alcohol	4.954	43	56146	480.02	ppb		94
36) 2,2-dichloropropane	4.784	77	89891	95.67	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134322.D
Acq On : 24 Dec 2013 1:48 pm
Operator : jaimem
Sample : ic5179-100
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 26 08:11:15 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:09:59 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.834	96	153939	93.87	ppb		90
38)	bromochloromethane	5.173	128	75114	100.38	ppb	#	70
39)	chloroform	4.999	83	255725	93.19	ppb		100
41)	Tetrahydrofuran	5.216	42	71416	100.84	ppb		91
42)	1,1,1-trichloroethane	5.434	97	179680	97.50	ppb		95
44)	Cyclohexane	5.489	56	307424	96.26	ppb	#	87
45)	carbon tetrachloride	5.738	117	195073	94.84	ppb		92
46)	1,1-dichloropropene	5.590	75	196093	93.40	ppb		97
47)	benzene	5.890	78	562329	85.46	ppb		97
48)	1,2-dichloroethane	5.871	62	240682	92.60	ppb		97
49)	tert-amyl methyl ether	5.712	73	402181	98.13	ppb		95
50)	heptane	5.737	43	481459	92.45	ppb		92
51)	trichloroethene	6.558	95	156906	87.33	ppb		85
52)	1,2-dichloropropane	6.755	63	188659	91.96	ppb		100
53)	dibromomethane	7.073	93	95481	98.90	ppb		86
54)	bromodichloromethane	7.014	83	196171	93.84	ppb		99
55)	Methylcyclohexane	6.641	83	191021	90.99	ppb	#	85
56)	2-chloroethyl vinyl ether	7.345	63	67513	101.81	ppb		98
57)	methyl methacrylate	6.813	69	106039	99.83	ppb		84
58)	1,4-dioxane	7.067	88	9604	621.60	ppb		73
59)	cis-1,3-dichloropropene	7.607	75	252340	94.99	ppb		94
61)	4-methyl-2-pentanone	7.371	43	283060	99.36	ppb		95
62)	toluene	7.962	92	365933	95.04	ppb		99
63)	trans-1,3-dichloropropene	8.159	75	222299	96.53	ppb		98
64)	1,1,2-trichloroethane	8.333	83	112635	92.34	ppb		97
65)	ethyl methacrylate	8.145	69	191611	99.57	ppb		88
67)	tetrachloroethene	8.677	166	140617	82.75	ppb		99
68)	1,3-dichloropropane	8.609	76	219281	95.77	ppb		100
69)	dibromochloromethane	8.902	129	156019	98.32	ppb		100
70)	1,2-dibromoethane	9.122	107	143828	94.13	ppb		100
71)	2-hexanone	8.339	43	183314	88.62	ppb		99
72)	chlorobenzene	9.578	112	422894	88.34	ppb		92
73)	1,1,1,2-tetrachloroethane	9.624	131	139426	96.35	ppb		100
74)	ethylbenzene	9.633	91	701952	88.47	ppb		97
75)	m,p-xylene	9.717	106	543004	176.83	ppb		89
76)	o-xylene	10.196	106	274367	89.81	ppb		88
77)	styrene	10.234	104	457171	96.24	ppb		92
78)	bromoform	10.609	173	99875	96.80	ppb		94
79)	trans-1,4-dichloro-2-b...	10.641	53	90569	102.96	ppb		81
81)	isopropylbenzene	10.587	105	691718	94.07	ppb		97
83)	bromobenzene	11.078	156	155739	91.75	ppb		92
84)	1,1,2,2-tetrachloroethane	10.779	83	174152	89.51	ppb		98
85)	1,2,3-trichloropropane	10.938	75	141346	93.78	ppb		100
86)	n-propylbenzene	11.026	91	807350	92.02	ppb		94
87)	2-chlorotoluene	11.221	91	564164	91.12	ppb		88
88)	4-chlorotoluene	11.273	91	514733	92.76	ppb		85
89)	1,3,5-trimethylbenzene	11.200	105	566649	92.72	ppb		95
90)	tert-butylbenzene	11.595	91	388724	92.41	ppb	#	75
91)	1,2,4-trimethylbenzene	11.631	105	571770	93.98	ppb		93
92)	sec-butylbenzene	11.822	105	681733	91.15	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134322.D
Acq On : 24 Dec 2013 1:48 pm
Operator : jaimem
Sample : ic5179-100
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 26 08:11:15 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:09:59 2013
Response via : Initial Calibration

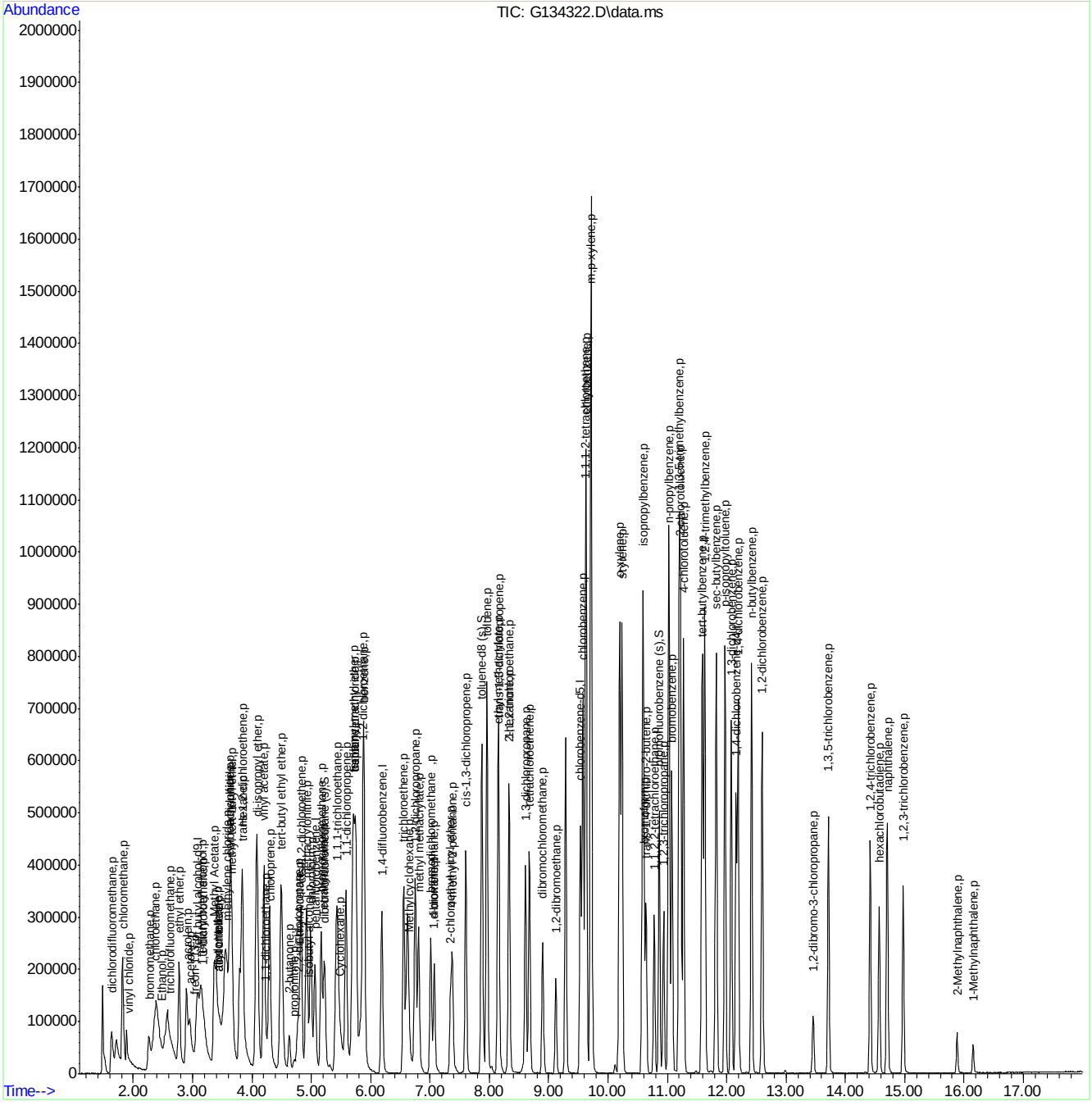
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.078	146	297502	88.80	ppb		92
94)	p-isopropyltoluene	11.972	119	548752	92.12	ppb		93
95)	1,4-dichlorobenzene	12.195	146	295727	87.39	ppb		95
96)	1,2-dichlorobenzene	12.601	146	290987	90.74	ppb		95
97)	n-butylbenzene	12.420	91	515506	92.11	ppb		88
98)	1,2-dibromo-3-chloropr...	13.458	75	32780	100.52	ppb	#	64
99)	1,3,5-trichlorobenzene	13.717	180	161550	91.77	ug/L		100
100)	1,2,4-trichlorobenzene	14.420	180	145390	98.99	ppb		95
101)	hexachlorobutadiene	14.573	225	74327	81.12	ppb		99
102)	naphthalene	14.707	128	406338	106.71	ppb		100
103)	2-Methylnaphthalene	15.888	142	38201	71.89	ug/L		95
104)	1-Methylnaphthalene	16.157	142	27262m	58.10	ug/L		
105)	1,2,3-trichlorobenzene	14.977	180	119011	103.15	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134322.D
Acq On : 24 Dec 2013 1:48 pm
Operator : jaimem
Sample : ic5179-100
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 26 08:11:15 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:09:59 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/26/13 10:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134323.D
Acq On : 24 Dec 2013 2:18 pm
Operator : jaimem
Sample : ic5179-200
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 26 08:12:50 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:11:28 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.097	65	106250	500.00	ppb		0.00
4) pentafluorobenzene	5.067	168	178907	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.191	114	306207	50.00	ppb		0.00
66) chlorobenzene-d5	9.536	82	165947	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.161	152	147541	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.228	113	258430	201.60	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 403.20%#				
60) toluene-d8 (s)	7.875	98	1016039	196.56	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 393.12%#				
82) bromofluorobenzene (s)	10.865	95	421575	187.60	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 375.20%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.167	59	403789	1938.71	ppb		97
3) Ethanol	2.482	45	506771	15607.16	ppb	#	41
5) dichlorodifluoromethane	1.648	85	257681m	198.92	ppb		
6) chloromethane	1.832	50	557491	193.73	ppb		98
7) vinyl chloride	1.928	62	186284	181.61	ppb		96
8) bromomethane	2.293	96	172547	199.16	ppb		96
9) chloroethane	2.386	64	176920	195.21	ppb		98
10) ethyl ether	2.782	59	301851	201.09	ppb		89
11) acetonitrile	3.457	41	502277	185.26	ppb		92
12) trichlorofluoromethane	2.621	101	425344m	194.37	ppb		
13) freon-113	3.044	101	320882m	193.28	ppb		
14) acrolein	2.909	56	291604	1046.68	ppb		98
15) 1,1-dichloroethene	3.192	96	354947	200.82	ppb		83
16) acetone	2.973	58	50636	175.42	ppb		94
17) Methyl Acetate	3.367	43	573959	198.94	ppb	#	98
18) methylene chloride	3.588	84	323203	191.77	ppb	#	76
19) methyl tert butyl ether	3.660	73	817642	195.93	ppb		84
20) acrylonitrile	3.635	53	198505	204.96	ppb		93
21) allyl chloride	3.457	41	518008	186.85	ppb		91
22) trans-1,2-dichloroethene	3.861	96	293153	190.26	ppb		83
23) iodomethane	3.442	142	482719	198.02	ppb		89
24) carbon disulfide	3.621	76	1009132	203.86	ppb		99
25) propionitrile	4.720	54	73998	203.09	ppb		100
26) vinyl acetate	4.202	43	1043988	205.72	ppb		92
27) chloroprene	4.314	53	618791	196.18	ppb		90
28) di-isopropyl ether	4.089	45	1506429	191.35	ppb		98
29) methacrylonitrile	4.928	41	379697	200.83	ppb		97
30) 2-butanone	4.636	72	37541	182.77	ppb	#	67
31) Ethyl Acetate	4.801	43	95642	189.91	ug/L	#	95
32) Hexane	3.843	41	362584	182.51	ppb	#	96
33) 1,1-dichloroethane	4.251	63	625320	189.38	ppb		96
34) tert-butyl ethyl ether	4.501	59	1186593	195.10	ppb		96
35) isobutyl alcohol	4.954	43	120885	1032.51	ppb		81
36) 2,2-dichloropropane	4.783	77	155925	165.90	ppb		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134323.D
Acq On : 24 Dec 2013 2:18 pm
Operator : jaimem
Sample : ic5179-200
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 26 08:12:50 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:11:28 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.839	96	309143	188.75	ppb		90
38) bromochloromethane	5.175	128	147330	194.97	ppb	#	69
39) chloroform	5.003	83	509205	186.01	ppb		98
41) Tetrahydrofuran	5.213	42	142291	198.79	ppb		91
42) 1,1,1-trichloroethane	5.435	97	323881	174.91	ppb		96
44) Cyclohexane	5.492	56	605779	189.70	ppb		91
45) carbon tetrachloride	5.745	117	382648	186.26	ppb		97
46) 1,1-dichloropropene	5.590	75	399986	191.64	ppb		93
47) benzene	5.890	78	1108297	170.73	ppb		99
48) 1,2-dichloroethane	5.871	62	478370	184.96	ppb		96
49) tert-amyl methyl ether	5.718	73	838776	203.91	ppb		88
50) heptane	5.737	43	1000181	193.56	ppb		94
51) trichloroethene	6.558	95	315126	177.31	ppb		81
52) 1,2-dichloropropane	6.755	63	380005	186.36	ppb		100
53) dibromomethane	7.073	93	191129	196.94	ppb		87
54) bromodichloromethane	7.014	83	403848	193.75	ppb		99
55) Methylcyclohexane	6.646	83	363714	175.12	ppb		87
56) 2-chloroethyl vinyl ether	7.344	63	145714	217.33	ppb		97
57) methyl methacrylate	6.812	69	219040	204.76	ppb		86
58) 1,4-dioxane	7.069	88	21503	1317.37	ppb		92
59) cis-1,3-dichloropropene	7.607	75	517203	194.88	ppb		95
61) 4-methyl-2-pentanone	7.370	43	593084	206.91	ppb		94
62) toluene	7.962	92	743377	193.57	ppb		97
63) trans-1,3-dichloropropene	8.159	75	455353	197.41	ppb		95
64) 1,1,2-trichloroethane	8.333	83	228727	188.54	ppb		93
65) ethyl methacrylate	8.145	69	398423	205.69	ppb		90
67) tetrachloroethene	8.677	166	287717	172.78	ppb		98
68) 1,3-dichloropropane	8.609	76	453788	198.94	ppb		99
69) dibromochloromethane	8.902	129	324009	203.78	ppb		100
70) 1,2-dibromoethane	9.122	107	300582	197.73	ppb		96
71) 2-hexanone	8.340	43	351585	173.11	ppb		98
72) chlorobenzene	9.578	112	856643	181.63	ppb		92
73) 1,1,1,2-tetrachloroethane	9.625	131	279392	193.58	ppb		99
74) ethylbenzene	9.633	91	1424586	182.19	ppb		95
75) m,p-xylene	9.717	106	1091611	360.77	ppb		87
76) o-xylene	10.196	106	556085	184.30	ppb		86
77) styrene	10.235	104	927562	195.82	ppb		88
78) bromoform	10.609	173	213588	207.13	ppb		97
79) trans-1,4-dichloro-2-b...	10.641	53	192197	216.17	ppb		87
81) isopropylbenzene	10.587	105	1434388	187.58	ppb		96
83) bromobenzene	11.079	156	324741	184.83	ppb	#	76
84) 1,1,2,2-tetrachloroethane	10.779	83	381829	189.80	ppb		96
85) 1,2,3-trichloropropane	10.939	75	305448	194.99	ppb		97
86) n-propylbenzene	11.027	91	1696949	186.77	ppb		91
87) 2-chlorotoluene	11.222	91	1205513	188.35	ppb		85
88) 4-chlorotoluene	11.275	91	1053527	183.06	ppb		85
89) 1,3,5-trimethylbenzene	11.201	105	1199033	189.19	ppb		93
90) tert-butylbenzene	11.595	91	824294	189.07	ppb		81
91) 1,2,4-trimethylbenzene	11.631	105	1200309	189.76	ppb		94
92) sec-butylbenzene	11.823	105	1485723	192.16	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134323.D
Acq On : 24 Dec 2013 2:18 pm
Operator : jaimem
Sample : ic5179-200
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 26 08:12:50 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:11:28 2013
Response via : Initial Calibration

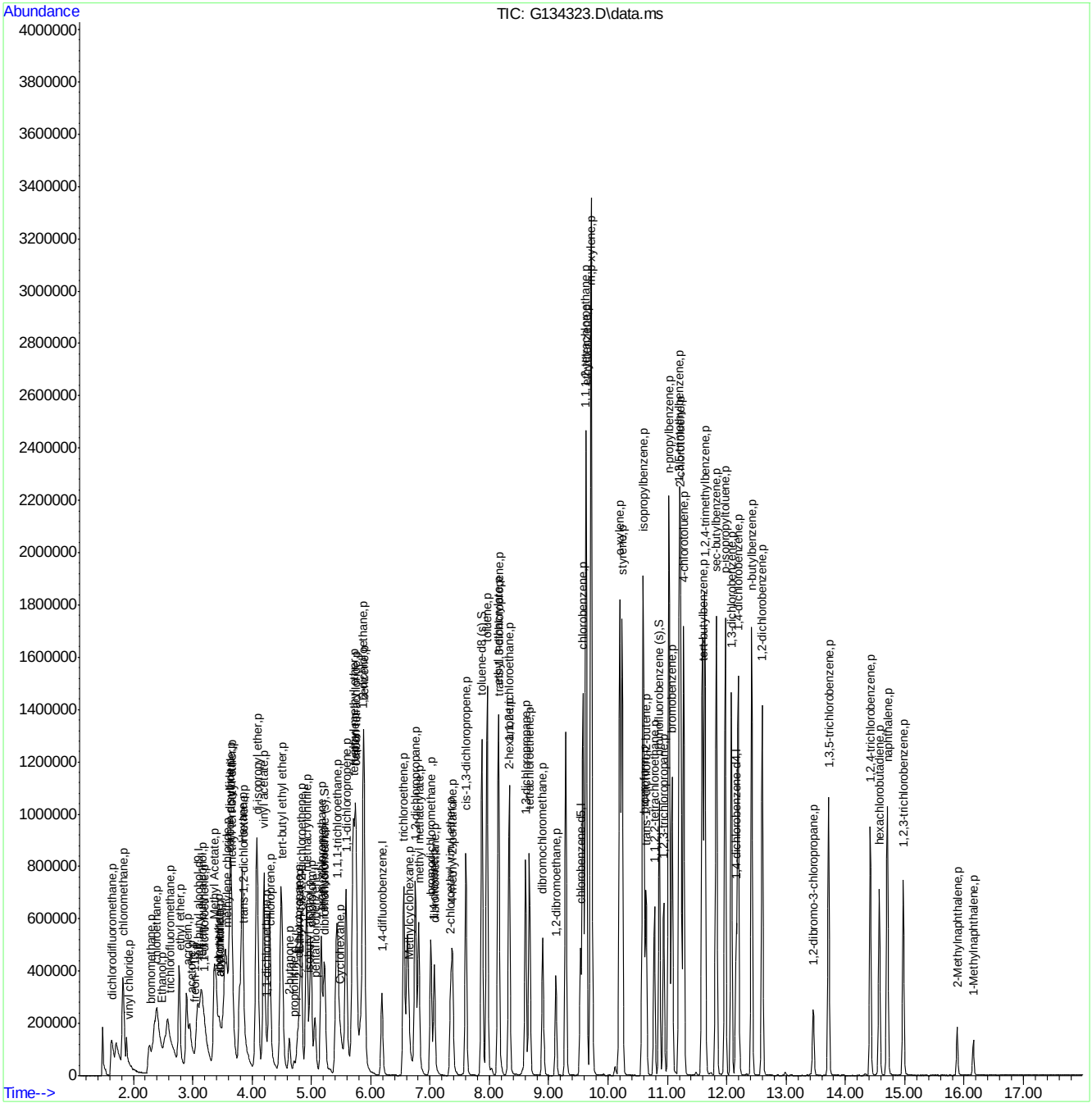
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.079	146	638820	184.63	ppb		91
94)	p-isopropyltoluene	11.973	119	1180397	191.30	ppb		93
95)	1,4-dichlorobenzene	12.196	146	627951	180.12	ppb		95
96)	1,2-dichlorobenzene	12.601	146	620471	186.73	ppb		95
97)	n-butylbenzene	12.421	91	1112913	191.99	ppb		91
98)	1,2-dibromo-3-chloropr...	13.458	75	72518	211.08	ppb	#	62
99)	1,3,5-trichlorobenzene	13.717	180	355525	195.12	ug/L		100
100)	1,2,4-trichlorobenzene	14.420	180	314274	203.73	ppb		98
101)	hexachlorobutadiene	14.573	225	166674	179.64	ppb		100
102)	naphthalene	14.707	128	891022	219.41	ppb		100
103)	2-Methylnaphthalene	15.887	142	89810	147.67	ug/L		98
104)	1-Methylnaphthalene	16.156	142	67514m	132.43	ug/L		
105)	1,2,3-trichlorobenzene	14.978	180	245790	201.15	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134323.D
Acq On : 24 Dec 2013 2:18 pm
Operator : jaimem
Sample : ic5179-200
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 26 08:12:50 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:11:28 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/26/13 10:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134324.D
Acq On : 24 Dec 2013 2:46 pm
Operator : jaimem
Sample : ic5179-400
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 26 08:14:17 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:13:00 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.105	65	110927	500.00	ppb		0.00
4) pentafluorobenzene	5.068	168	185280	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.190	114	319204	50.00	ppb		0.00
66) chlorobenzene-d5	9.536	82	170631	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.162	152	147140	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.229	113	536339	403.46	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 806.92%#				
60) toluene-d8 (s)	7.875	98	2121951	394.92	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 789.84%#				
82) bromofluorobenzene (s)	10.866	95	862221	388.75	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 777.50%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.174	59	842532	3894.57	ppb		90
3) Ethanol	2.491	45	1066106	32467.55	ppb	#	41
5) dichlorodifluoromethane	1.644	85	523934m	390.85	ppb		
6) chloromethane	1.835	50	1142480	385.38	ppb		99
7) vinyl chloride	1.920	62	341175	325.45	ppb		98
8) bromomethane	2.290	96	344906	384.64	ppb		99
9) chloroethane	2.376	64	348864	373.18	ppb		97
10) ethyl ether	2.780	59	636299	408.94	ppb		91
11) acetonitrile	3.468	41	1104951	398.43	ppb		97
12) trichlorofluoromethane	2.621	101	872925m	386.74	ppb		
13) freon-113	3.045	101	672803m	393.52	ppb		
14) acrolein	2.919	56	619504	2130.58	ppb		98
15) 1,1-dichloroethene	3.191	96	717856	391.94	ppb	#	72
16) acetone	2.970	58	96289	330.22	ppb		93
17) Methyl Acetate	3.368	43	1194173	400.03	ppb	#	98
18) methylene chloride	3.582	84	649508	374.33	ppb	#	74
19) methyl tert butyl ether	3.659	73	1704025	395.43	ppb		89
20) acrylonitrile	3.635	53	416128	413.17	ppb		95
21) allyl chloride	3.467	41	1152065	405.72	ppb		92
22) trans-1,2-dichloroethene	3.871	96	633996	400.10	ppb	#	80
23) iodomethane	3.434	142	987018	391.61	ppb		87
24) carbon disulfide	3.620	76	2094995	407.35	ppb		100
25) propionitrile	4.722	54	153787	406.51	ppb		100
26) vinyl acetate	4.201	43	2173107	411.53	ppb		93
27) chloroprene	4.320	53	1295073	397.73	ppb		91
28) di-isopropyl ether	4.089	45	3154342	389.29	ppb		97
29) methacrylonitrile	4.930	41	790645	403.52	ppb		97
30) 2-butanone	4.637	72	75843	361.73	ppb	#	53
31) Ethyl Acetate	4.801	43	196073	379.13	ug/L	#	96
32) Hexane	3.843	41	685857	338.29	ppb	#	96
33) 1,1-dichloroethane	4.262	63	1349339	397.61	ppb		96
34) tert-butyl ethyl ether	4.500	59	2508187	399.60	ppb		96
35) isobutyl alcohol	4.962	43	256614	2105.01	ppb	#	66
36) 2,2-dichloropropane	4.785	77	315996	334.14	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134324.D
Acq On : 24 Dec 2013 2:46 pm
Operator : jaimem
Sample : ic5179-400
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 26 08:14:17 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:13:00 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.844	96	654320	388.89	ppb		90
38) bromochloromethane	5.176	128	310142	397.98	ppb	#	75
39) chloroform	5.009	83	1086141	386.98	ppb		97
41) Tetrahydrofuran	5.211	42	292112	394.46	ppb		86
42) 1,1,1-trichloroethane	5.438	97	734886	390.21	ppb		96
44) Cyclohexane	5.481	56	1223392m	370.68	ppb		
45) carbon tetrachloride	5.749	117	820428	386.90	ppb		98
46) 1,1-dichloropropene	5.590	75	843689	390.48	ppb		96
47) benzene	5.890	78	2324999	349.97	ppb		99
48) 1,2-dichloroethane	5.870	62	999495	374.75	ppb		95
49) tert-amyl methyl ether	5.719	73	1731641	402.52	ppb		87
50) heptane	5.737	43	2041807	381.09	ppb		94
51) trichloroethene	6.557	95	663356	363.20	ppb		82
52) 1,2-dichloropropane	6.755	63	799089	379.63	ppb		99
53) dibromomethane	7.073	93	401044	397.43	ppb		86
54) bromodichloromethane	7.014	83	853497	394.56	ppb		99
55) Methylcyclohexane	6.649	83	778526	367.19	ppb		88
56) 2-chloroethyl vinyl ether	7.345	63	312891	441.30	ppb		96
57) methyl methacrylate	6.813	69	455738	407.06	ppb		85
58) 1,4-dioxane	7.074	88	45615	2546.12	ppb		92
59) cis-1,3-dichloropropene	7.607	75	1091132	395.84	ppb		95
61) 4-methyl-2-pentanone	7.371	43	1245080	414.30	ppb		94
62) toluene	7.962	92	1525764	383.17	ppb		98
63) trans-1,3-dichloropropene	8.159	75	927531	386.46	ppb		94
64) 1,1,2-trichloroethane	8.333	83	473990	377.89	ppb		93
65) ethyl methacrylate	8.146	69	818627	403.51	ppb		89
67) tetrachloroethene	8.677	166	595750	353.95	ppb		98
68) 1,3-dichloropropane	8.609	76	936776	399.76	ppb		98
69) dibromochloromethane	8.902	129	673746	411.01	ppb		99
70) 1,2-dibromoethane	9.122	107	617838	395.91	ppb		97
71) 2-hexanone	8.339	43	699256	342.51	ppb		98
72) chlorobenzene	9.579	112	1740683	363.71	ppb		92
73) 1,1,1,2-tetrachloroethane	9.625	131	564191	382.21	ppb		99
74) ethylbenzene	9.634	91	2905867	366.09	ppb		93
75) m,p-xylene	9.719	106	2184282	712.05	ppb		84
76) o-xylene	10.197	106	1131735	368.92	ppb		80
77) styrene	10.236	104	1904172	392.32	ppb		87
78) bromoform	10.610	173	442997	415.69	ppb		99
79) trans-1,4-dichloro-2-b...	10.642	53	399059	430.72	ppb		87
81) isopropylbenzene	10.588	105	2906266	385.09	ppb		94
83) bromobenzene	11.080	156	656562	379.51	ppb	#	80
84) 1,1,2,2-tetrachloroethane	10.780	83	791151	397.23	ppb		95
85) 1,2,3-trichloropropane	10.940	75	624722	401.58	ppb		98
86) n-propylbenzene	11.028	91	3450601	385.06	ppb		90
87) 2-chlorotoluene	11.223	91	2442569	386.43	ppb		84
88) 4-chlorotoluene	11.277	91	2183434	385.87	ppb		84
89) 1,3,5-trimethylbenzene	11.203	105	2423441	386.91	ppb		93
90) tert-butylbenzene	11.596	91	1664341	386.32	ppb		79
91) 1,2,4-trimethylbenzene	11.633	105	2432641	388.95	ppb		93
92) sec-butylbenzene	11.824	105	2969527	387.65	ppb		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134324.D
Acq On : 24 Dec 2013 2:46 pm
Operator : jaimem
Sample : ic5179-400
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 26 08:14:17 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:13:00 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.080	146	1268071	371.57	ppb		92
94)	p-isopropyltoluene	11.974	119	2336608	382.48	ppb		92
95)	1,4-dichlorobenzene	12.197	146	1250963	364.98	ppb		96
96)	1,2-dichlorobenzene	12.602	146	1234780	376.18	ppb		94
97)	n-butylbenzene	12.421	91	2233151	388.89	ppb		87
98)	1,2-dibromo-3-chloropr...	13.458	75	162421	469.72	ppb	#	60
99)	1,3,5-trichlorobenzene	13.718	180	738262	407.94	ug/L		99
100)	1,2,4-trichlorobenzene	14.420	180	674483	437.08	ppb		99
101)	hexachlorobutadiene	14.574	225	349404	384.12	ppb		100
102)	naphthalene	14.707	128	1922399	467.11	ppb		100
103)	2-Methylnaphthalene	15.887	142	206616	315.58	ug/L		97
104)	1-Methylnaphthalene	16.157	142	145250m	271.04	ug/L		
105)	1,2,3-trichlorobenzene	14.978	180	529750	434.31	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

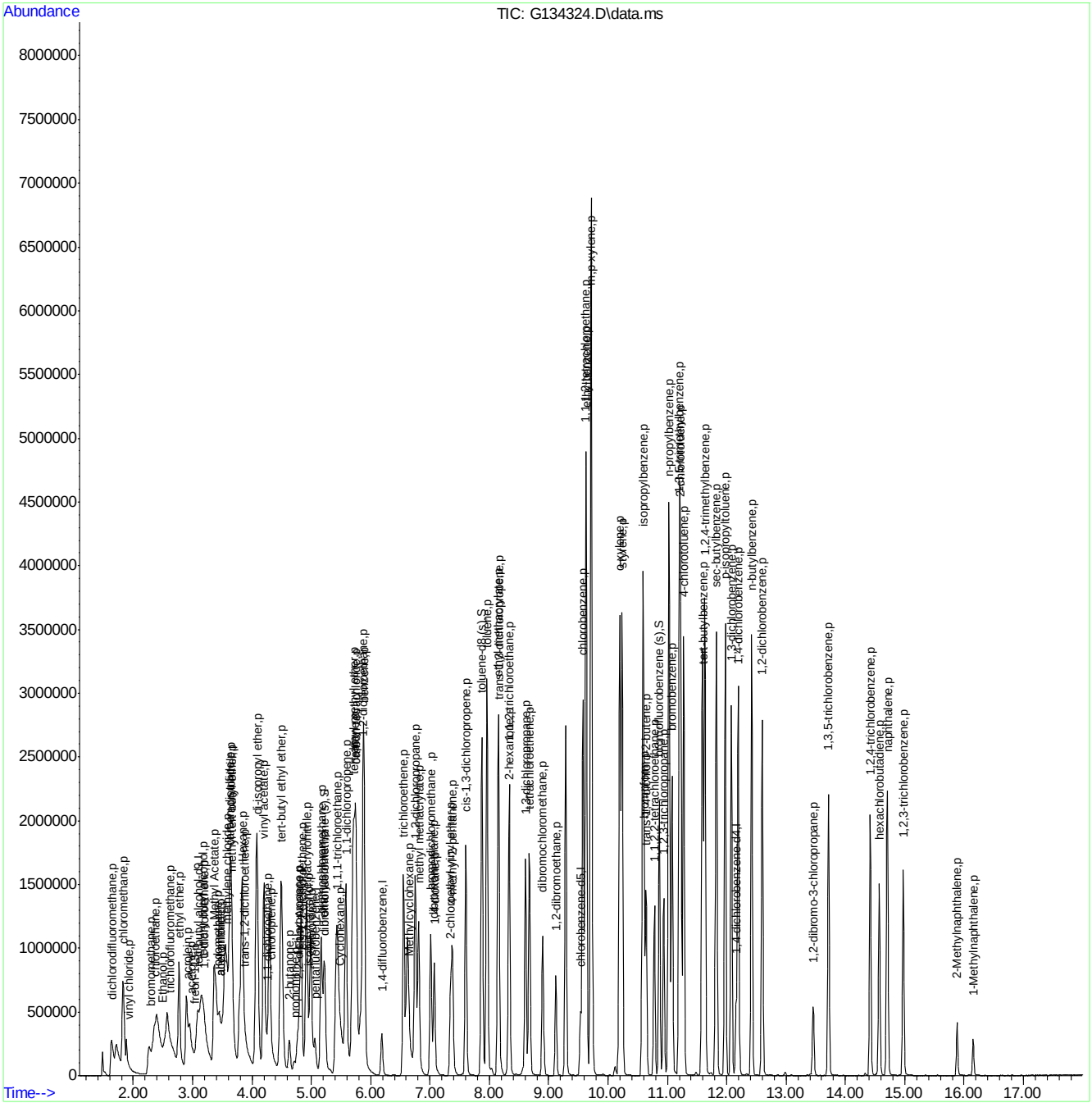
7.6.9

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134324.D
Acq On : 24 Dec 2013 2:46 pm
Operator : jaimem
Sample : ic5179-400
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 26 08:14:17 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:13:00 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
12/26/13 10:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134328.D
Acq On : 24 Dec 2013 4:43 pm
Operator : jaimem
Sample : icv5179-50
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 26 08:37:56 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.094	65	112355	500.00	ppb		-0.01
4) pentafluorobenzene	5.068	168	184393	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.191	114	313421	50.00	ppb		0.00
66) chlorobenzene-d5	9.535	82	165947	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.160	152	142047	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.226	113	64889	48.99	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.98%				
60) toluene-d8 (s)	7.875	98	256658	48.74	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.48%				
82) bromofluorobenzene (s)	10.864	95	104610	49.05	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.10%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.165	59	110345	505.49	ppb		98
3) Ethanol	2.480	45	128625	4556.86	ppb		99
5) dichlorodifluoromethane	1.657	85	58572m	44.03	ppb		
6) chloromethane	1.832	50	128395	43.75	ppb		97
7) vinyl chloride	1.927	62	42226	41.44	ppb		87
8) bromomethane	2.295	96	38557	43.41	ppb		80
9) chloroethane	2.388	64	45962	49.88	ppb		100
10) ethyl ether	2.782	59	76494	49.24	ppb		93
11) acetonitrile	3.455	41	125452	45.48	ppb		93
12) trichlorofluoromethane	2.624	101	96920m	43.33	ppb		
13) freon-113	3.058	101	75893m	44.71	ppb		
14) acrolein	2.906	56	20724	70.95	ppb		99
15) 1,1-dichloroethene	3.183	96	86339	47.49	ppb		89
16) acetone	2.973	58	12459	44.22	ppb		86
17) Methyl Acetate	3.369	43	103551	34.85	ppb	#	98
18) methylene chloride	3.588	84	81069	47.33	ppb		85
19) methyl tert butyl ether	3.659	73	204865	47.84	ppb		91
20) acrylonitrile	3.634	53	100150	99.45	ppb		96
21) allyl chloride	3.455	41	130001	45.91	ppb		84
22) trans-1,2-dichloroethene	3.858	96	75148	47.65	ppb	#	81
23) iodomethane	3.442	142	107945	43.16	ppb		89
24) carbon disulfide	3.620	76	225002	43.84	ppb		98
25) propionitrile	4.718	54	18745	49.67	ppb		100
26) vinyl acetate	4.203	43	236548	44.83	ppb		93
27) chloroprene	4.310	53	167945	51.87	ppb		90
28) di-isopropyl ether	4.089	45	373348	46.45	ppb		94
29) methacrylonitrile	4.927	41	98806	50.61	ppb		93
30) 2-butanone	4.635	72	8959	43.53	ppb	#	31
31) Ethyl Acetate	4.802	43	94728	185.43	ug/L	#	97
32) Hexane	3.843	41	87281	44.23	ppb	#	98
33) 1,1-dichloroethane	4.244	63	160488	47.55	ppb		96
34) tert-butyl ethyl ether	4.501	59	303139	48.53	ppb		96
35) isobutyl alcohol	4.960	43	34201	279.80	ppb		85
36) 2,2-dichloropropane	4.781	77	39698	43.20	ppb		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134328.D
Acq On : 24 Dec 2013 4:43 pm
Operator : jaimem
Sample : icv5179-50
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 26 08:37:56 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	4.835	96	79606	47.71	ppb		91
38)	bromochloromethane	5.174	128	37945	48.96	ppb	#	71
39)	chloroform	5.000	83	126729	45.56	ppb		97
41)	Tetrahydrofuran	5.215	42	37047	50.37	ppb		83
42)	1,1,1-trichloroethane	5.432	97	80345	43.00	ppb		95
44)	Cyclohexane	5.488	56	140642	43.86	ppb	#	84
45)	carbon tetrachloride	5.741	117	92778	44.74	ppb		86
46)	1,1-dichloropropene	5.589	75	99462	47.04	ppb		94
47)	benzene	5.890	78	285264	44.35	ppb		100
48)	1,2-dichloroethane	5.871	62	122446	47.13	ppb		95
49)	tert-amyl methyl ether	5.713	73	197504	46.72	ppb		90
50)	heptane	5.736	43	232783	44.55	ppb		91
51)	trichloroethene	6.558	95	78794	44.39	ppb		83
52)	1,2-dichloropropane	6.754	63	95208	46.36	ppb		99
53)	dibromomethane	7.073	93	49315	49.82	ppb		85
54)	bromodichloromethane	7.014	83	100480	47.39	ppb		94
55)	Methylcyclohexane	6.641	83	93775	45.58	ppb		86
56)	2-chloroethyl vinyl ether	7.344	63	55366	78.37	ppb		97
57)	methyl methacrylate	6.812	69	53193	48.27	ppb		88
58)	1,4-dioxane	7.063	88	5119m	255.82	ppb		
59)	cis-1,3-dichloropropene	7.607	75	123513	45.69	ppb		95
61)	4-methyl-2-pentanone	7.368	43	161716	54.53	ppb		98
62)	toluene	7.962	92	185741	47.79	ppb		98
63)	trans-1,3-dichloropropene	8.159	75	117900	50.24	ppb		95
64)	1,1,2-trichloroethane	8.331	83	57430	46.96	ppb		92
65)	ethyl methacrylate	8.145	69	98223	49.25	ppb		93
67)	tetrachloroethene	8.676	166	71481	44.23	ppb		97
68)	1,3-dichloropropane	8.608	76	113240	49.69	ppb		99
69)	dibromochloromethane	8.902	129	81301	50.82	ppb		98
70)	1,2-dibromoethane	9.122	107	74754	49.32	ppb		91
71)	2-hexanone	8.340	43	85246	43.83	ppb		97
72)	chlorobenzene	9.578	112	207567	45.11	ppb		94
73)	1,1,1,2-tetrachloroethane	9.624	131	71779	50.32	ppb		97
74)	ethylbenzene	9.632	91	359745	47.10	ppb		94
75)	m,p-xylene	9.716	106	274593	93.32	ppb		93
76)	o-xylene	10.195	106	134580	45.55	ppb		92
77)	styrene	10.234	104	233328	49.57	ppb		92
78)	bromoform	10.608	173	51103	49.07	ppb		100
79)	trans-1,4-dichloro-2-b...	10.641	53	43536	47.79	ppb		83
81)	isopropylbenzene	10.587	105	341891	47.18	ppb		97
83)	bromobenzene	11.078	156	80755	48.71	ppb	#	80
84)	1,1,2,2-tetrachloroethane	10.779	83	95673	49.80	ppb		94
85)	1,2,3-trichloropropane	10.939	75	74405	49.52	ppb		95
86)	n-propylbenzene	11.026	91	394355	45.83	ppb		91
87)	2-chlorotoluene	11.221	91	288142	47.45	ppb		86
88)	4-chlorotoluene	11.274	91	254449	46.82	ppb		85
89)	1,3,5-trimethylbenzene	11.200	105	285646	47.46	ppb		95
90)	tert-butylbenzene	11.594	91	191159	46.19	ppb		83
91)	1,2,4-trimethylbenzene	11.630	105	284727	47.34	ppb		94
92)	sec-butylbenzene	11.822	105	345656	46.95	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134328.D
Acq On : 24 Dec 2013 4:43 pm
Operator : jaimem
Sample : icv5179-50
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 26 08:37:56 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration

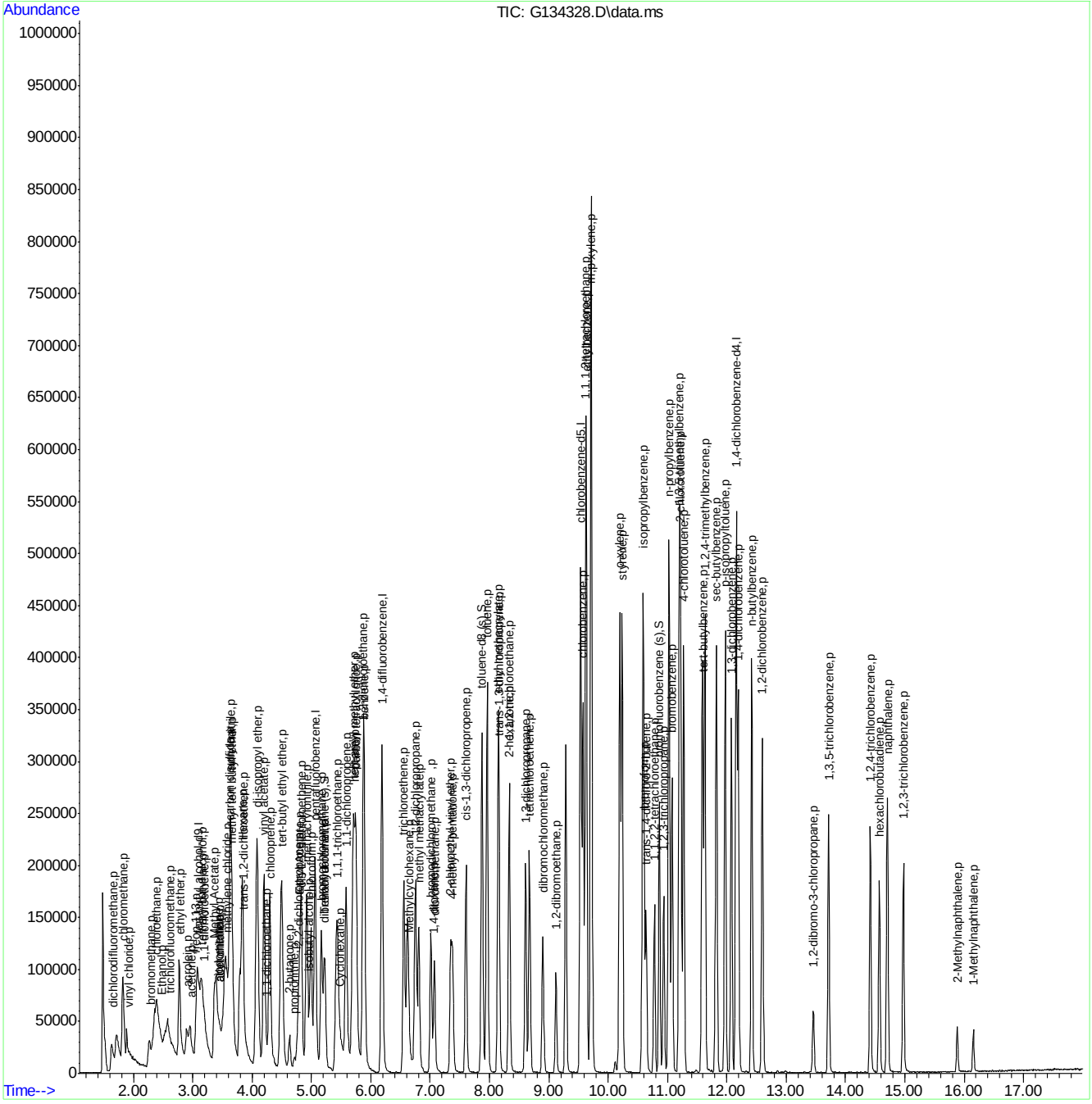
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	12.078	146	149582	45.81	ppb		91
94)	p-isopropyltoluene	11.972	119	282511	48.20	ppb		93
95)	1,4-dichlorobenzene	12.195	146	150426	45.97	ppb		94
96)	1,2-dichlorobenzene	12.601	146	140532	44.68	ppb		94
97)	n-butylbenzene	12.420	91	259788	47.05	ppb		89
98)	1,2-dibromo-3-chloropr...	13.458	75	17178	50.21	ppb	#	61
99)	1,3,5-trichlorobenzene	13.717	180	82997	47.37	ug/L		99
100)	1,2,4-trichlorobenzene	14.419	180	78370	51.92	ppb		98
101)	hexachlorobutadiene	14.572	225	42940	49.18	ppb		96
102)	naphthalene	14.707	128	231430	56.89	ppb		100
103)	2-Methylnaphthalene	15.888	142	23357	29.61	ug/L		97
104)	1-Methylnaphthalene	16.154	142	20128m	37.03	ug/L		
105)	1,2,3-trichlorobenzene	14.977	180	66797	56.04	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G131224\
Data File : G134328.D
Acq On : 24 Dec 2013 4:43 pm
Operator : jaimem
Sample : icv5179-50
Misc : MS30858,MSG5179,10,,100,10,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 26 08:37:56 2013
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/10/14 14:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134513.D
Acq On : 10 Jan 2014 8:45 am
Operator : jaimem
Sample : cc5179-50
Misc : MS30937,MSG5188,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 10 09:08:31 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.091	65	72577	500.00	ppb		-0.01
4) pentafluorobenzene	5.068	168	117497	50.00	ppb		0.00
43) 1,4-difluorobenzene	6.191	114	186524	50.00	ppb		0.00
66) chlorobenzene-d5	9.535	82	107280	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	12.160	152	97737	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	5.228	113	48417	57.36	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 114.72%				
60) toluene-d8 (s)	7.875	98	170948	54.55	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.10%				
82) bromofluorobenzene (s)	10.865	95	71213	48.53	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.06%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	3.163	59	61447	435.76	ppb		93
3) Ethanol	2.477	45	70747	3843.50	ppb		98
5) dichlorodifluoromethane	1.638	85	44792m	52.84	ppb		
6) chloromethane	1.826	50	81048	43.34	ppb		96
7) vinyl chloride	1.910	62	37143m	57.20	ppb		
8) bromomethane	2.283	96	32601	57.61	ppb		91
9) chloroethane	2.372	64	29779	50.72	ppb		99
10) ethyl ether	2.777	59	45508	45.97	ppb		90
11) acetonitrile	3.458	41	71673	40.78	ppb		88
12) trichlorofluoromethane	2.631	101	82830	58.11	ppb		88
13) freon-113	3.029	101	51248m	47.38	ppb		
14) acrolein	2.906	56	37886	203.56	ppb		98
15) 1,1-dichloroethene	3.173	96	51385	44.35	ppb	#	63
16) acetone	2.962	58	9975	55.56	ppb		90
17) Methyl Acetate	3.371	43	87352	46.14	ppb	#	98
18) methylene chloride	3.577	84	46209	42.33	ppb	#	78
19) methyl tert butyl ether	3.656	73	132515	48.56	ppb		90
20) acrylonitrile	3.634	53	29228	45.55	ppb		94
21) allyl chloride	3.459	41	78350	43.42	ppb		93
22) trans-1,2-dichloroethene	3.857	96	45305	45.08	ppb		96
23) iodomethane	3.432	142	78057	48.98	ppb		80
24) carbon disulfide	3.620	76	142154	43.47	ppb		93
25) propionitrile	4.719	54	10507	43.69	ppb		100
26) vinyl acetate	4.204	43	146739	43.64	ppb		90
27) chloroprene	4.306	53	99253	48.11	ppb		83
28) di-isopropyl ether	4.088	45	220345	43.03	ppb		97
29) methacrylonitrile	4.931	41	56133	45.12	ppb		95
30) 2-butanone	4.636	72	6355	48.46	ppb	#	23
31) Ethyl Acetate	4.803	43	13946	42.84	ug/L	#	99
32) Hexane	3.844	41	57036	45.36	ppb	#	96
33) 1,1-dichloroethane	4.244	63	100317	46.65	ppb		96
34) tert-butyl ethyl ether	4.501	59	188653	47.40	ppb		95
35) isobutyl alcohol	4.959	43	18171	233.30	ppb		89
36) 2,2-dichloropropane	4.785	77	32368	55.27	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134513.D
Acq On : 10 Jan 2014 8:45 am
Operator : jaimem
Sample : cc5179-50
Misc : MS30937,MSG5188,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 10 09:08:31 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	4.834	96	45876	43.15	ppb		84
38) bromochloromethane	5.173	128	24227	49.06	ppb	#	71
39) chloroform	5.000	83	86455	48.77	ppb		98
41) Tetrahydrofuran	5.213	42	19013	40.57	ppb		81
42) 1,1,1-trichloroethane	5.434	97	65240	54.79	ppb		97
44) Cyclohexane	5.489	56	89678	46.99	ppb	#	81
45) carbon tetrachloride	5.733	117	70586	57.20	ppb		100
46) 1,1-dichloropropene	5.591	75	63294	50.30	ppb		92
47) benzene	5.890	78	161803	42.27	ppb		100
48) 1,2-dichloroethane	5.871	62	85546	55.33	ppb		93
49) tert-amyl methyl ether	5.714	73	124260	49.39	ppb		89
50) heptane	5.738	43	149909	48.21	ppb		95
51) trichloroethene	6.558	95	48996	46.38	ppb		90
52) 1,2-dichloropropane	6.755	63	53339	43.64	ppb		100
53) dibromomethane	7.073	93	29187	49.54	ppb		92
54) bromodichloromethane	7.014	83	67095	53.17	ppb		93
55) Methylcyclohexane	6.639	83	58305	47.62	ppb	#	80
56) 2-chloroethyl vinyl ether	7.345	63	6063	14.42	ppb		95
57) methyl methacrylate	6.813	69	29563	45.07	ppb		85
58) 1,4-dioxane	7.070	88	2829m	239.69	ppb		
59) cis-1,3-dichloropropene	7.607	75	76468	47.54	ppb		97
61) 4-methyl-2-pentanone	7.376	43	73997	41.92	ppb		87
62) toluene	7.962	92	107069	46.29	ppb		99
63) trans-1,3-dichloropropene	8.159	75	72093	51.62	ppb		95
64) 1,1,2-trichloroethane	8.333	83	32749	44.99	ppb		95
65) ethyl methacrylate	8.145	69	55666	46.90	ppb		97
67) tetrachloroethene	8.677	166	48318	46.25	ppb		96
68) 1,3-dichloropropane	8.609	76	66375	45.06	ppb		100
69) dibromochloromethane	8.902	129	53786	52.01	ppb		98
70) 1,2-dibromoethane	9.122	107	44805	45.72	ppb		96
71) 2-hexanone	8.340	43	71266	56.69	ppb		96
72) chlorobenzene	9.578	112	128223	43.10	ppb		92
73) 1,1,1,2-tetrachloroethane	9.624	131	48549	52.65	ppb		96
74) ethylbenzene	9.632	91	220190	44.59	ppb		97
75) m,p-xylene	9.717	106	167021	87.81	ppb		88
76) o-xylene	10.196	106	81842	42.85	ppb	#	78
77) styrene	10.234	104	138009	45.35	ppb		79
78) bromoform	10.609	173	35427	52.62	ppb		92
79) trans-1,4-dichloro-2-b...	10.640	53	27924	47.42	ppb		76
81) isopropylbenzene	10.587	105	220585	44.24	ppb		97
83) bromobenzene	11.078	156	51904	45.50	ppb		85
84) 1,1,2,2-tetrachloroethane	10.779	83	48408	36.62	ppb		93
85) 1,2,3-trichloropropane	10.938	75	40774	39.44	ppb		98
86) n-propylbenzene	11.026	91	251529	42.48	ppb		91
87) 2-chlorotoluene	11.220	91	182633	43.71	ppb		89
88) 4-chlorotoluene	11.273	91	168691	45.11	ppb		83
89) 1,3,5-trimethylbenzene	11.200	105	188299	45.47	ppb		91
90) tert-butylbenzene	11.594	91	129234	45.38	ppb	#	75
91) 1,2,4-trimethylbenzene	11.630	105	184275	44.53	ppb		91
92) sec-butylbenzene	11.822	105	217492	42.93	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134513.D
Acq On : 10 Jan 2014 8:45 am
Operator : jaimem
Sample : cc5179-50
Misc : MS30937,MSG5188,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 10 09:08:31 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 1,3-dichlorobenzene	12.078	146	96518	42.96	ppb		91
94) p-isopropyltoluene	11.971	119	178642	44.30	ppb		90
95) 1,4-dichlorobenzene	12.195	146	96035	42.65	ppb		94
96) 1,2-dichlorobenzene	12.600	146	91828	42.43	ppb		93
97) n-butylbenzene	12.420	91	157875	41.55	ppb		88
98) 1,2-dibromo-3-chloropr...	13.458	75	9896	42.04	ppb	#	63
99) 1,3,5-trichlorobenzene	13.716	180	53715	44.56	ug/L		100
100) 1,2,4-trichlorobenzene	14.419	180	46272	44.55	ppb		99
101) hexachlorobutadiene	14.571	225	28766	47.88	ppb		100
102) naphthalene	14.705	128	109578	39.15	ppb		100
103) 2-Methylnaphthalene	15.887	142	6216	15.34	ug/L		97
104) 1-Methylnaphthalene	16.151	142	4034m	10.79	ug/L		
105) 1,2,3-trichlorobenzene	14.977	180	33663	41.05	ppb		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

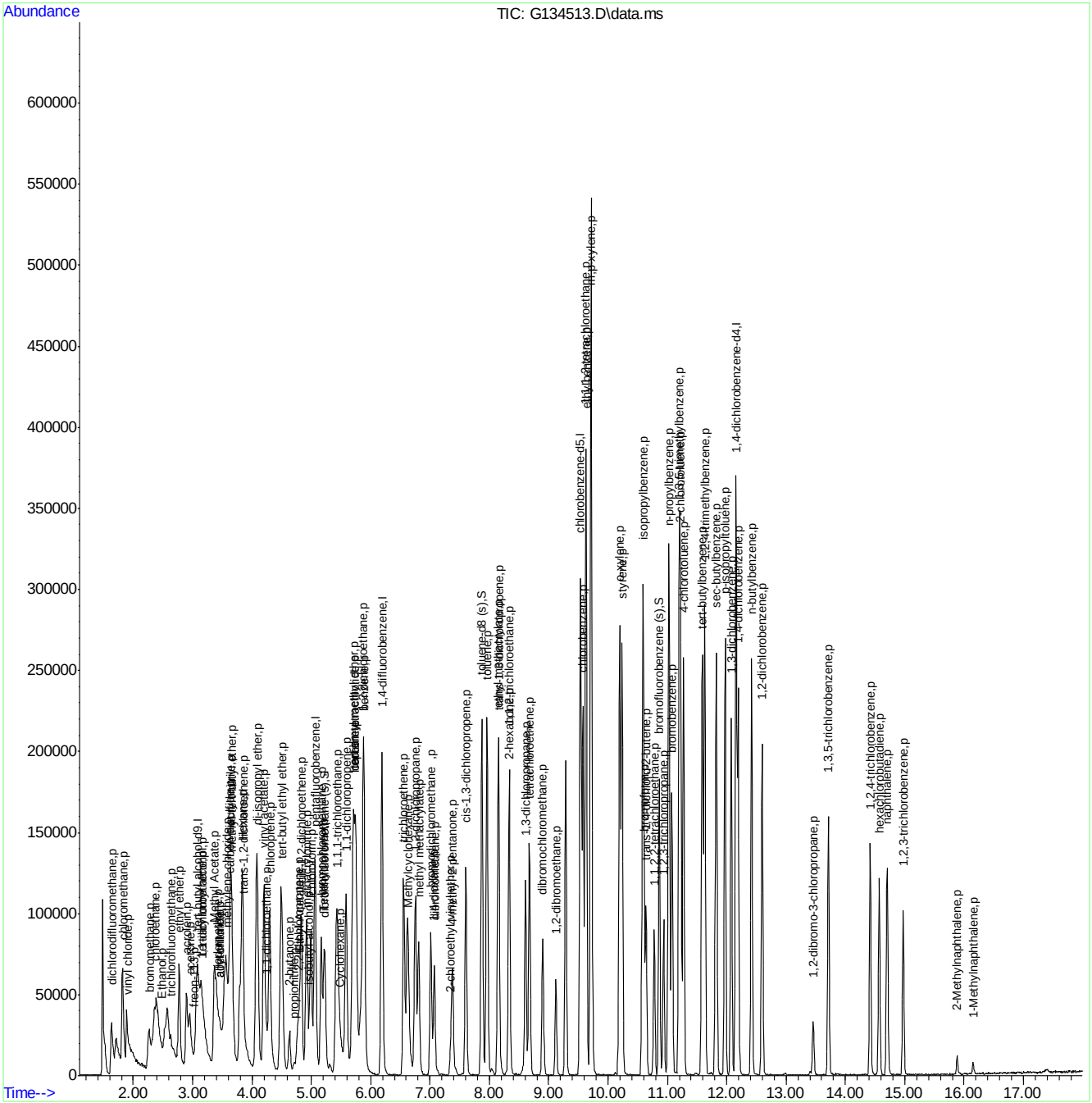
7.6.11

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\G140110\
Data File : G134513.D
Acq On : 10 Jan 2014 8:45 am
Operator : jaimem
Sample : cc5179-50
Misc : MS30937,MSG5188,10,,100,10,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 10 09:08:31 2014
Quant Method : C:\msdchem\1\METHODS\g131224s.m
Quant Title : SW-846 Method 8260
QLast Update : Thu Dec 26 08:35:17 2013
Response via : Initial Calibration



Accutest Laboratories of New England, Inc. **Instrument: GCMS G**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9529	8260 IS	250 ug/ml
1440	SS	200 ug/ml
522 #2	CC	
523 #2	CC gas	
538 #1	BS	
526 #1	BS gas	

Daily Saved File

Tune file 1:	G134315
Tune file 2:	NA
Initial Cal:	12/24/13
ID File:	G131224S.M
ICAL Verified:	G134328
Sequence verified:	JM

Date: 12/24/13

Batch ID: MSG5179

Analysts JM

Signature: JM

*Note: If sample matrix is soil - method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
G134315	BFB		NA	Curve	1	S	10.0g	-	50x	NA	VV
16	ic5179-0.5				2						VV
17	-2				3						VV
18	-5				4						VV
19	-10				5						VV
20	-25				6						VV
21	ic5179-50				7						VV
22	ic5179-100				8						VV
23	-200				9						VV
24	-400				10						VV
25	Blank				11						
26	Blank				12						
27	icv5179-50				13						
28	icv5179-50				14						VV
29	Blank				15						
30	Blank				16						

JM 12/24/13

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review:

ACCUTEST LABORATORIES MC27551

Accutest Laboratories of New England, Inc. **Instrument: GCMS G**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9552	8260 IS	25ug/mL
24	SS	200ug/mL
22	CC	
23	CC gas	
38	BS	
26	BS gas	

Daily Saved File

Tune file 1:	G134513
Tune file 2:	NA
Initial Cal:	12/24/13
ID File:	G131224S.M
ICAL Verified:	JM
Sequence verified:	KD

Date: 1/10/14

Batch ID: MSG5188

Analysts JM

Signature: JM

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
G134512	Blank	—	MA	NA	1	S	10.0g	—	50x	NA	
13	CC5179-50	2,3			2						W
14	BS	2,2			3						W
15	BSD	↓			4						
16	Blank	—			5						
17	MB	—	↓ (+)	↓	6		↓				W
18	MC27530-1	2	MS30954	NHF	7		6.93				W
19	↓ -lms	2			8						W
20	↓ -lmsd	2		↓	9		↓				W
21	Blank	—		—	10	↓	—		↓		
22	MC27551-1	1		SL (+)	11	O	1.100		200x		ND
23	MC27551-1	1		↓	12	↓	↓		100x		W
24	Blank	—	↓	—	13	S	—	↓	—	↓	

1/10/14

*X = Matrix: Designate W for water, S for soil, O for oil.

mple amount is reported in grams (wet) for soil and oil, mls for water.

001-05 Date: 07/22/13

Review: _____

32

7.7.2

7

Accutest Laboratories of New England, Inc.

Instrument: GCMS G

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9563	8260 IS	25Dug/mL
24	SS	200ug/mL
22	CC	
23	CCgas	
38	BS	
21	BSgas	

Daily Saved File

Tune file 1:	
Tune file 2:	
Initial Cal:	12/24/13
ID File:	G1312245.M
ICAL Verified:	JMM
Sequence verified:	

Date: 1/20/14

Batch ID: MSG5188 - 1

Analysts JM

Signature: JMM

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
G1345 43	BS	3,3	NA	NA	1	S	10.0g	—	50x	NA	VV
44	MB	—	↓	↓	2		↓		↓		VV
45	MC27703-1	11	MS30974	STD+MTBE	3		14.18		500x		VV
46	MC27685-2	2		BTX	4		14.69				VV 1,2,4TMB
47	-2ms	2			5						VV
48	-2msd	2			6						VV
49	Blank				7						VV
50	Blank				8						
51	MC27753-4		NA	Screens	9		10.00		50x		low
52	-6				10						25x
53	-7				11						low
54	-9				12						25x
55	-11				13						25x
56	-12				14						low
57	MC27754-4				15						25x
58	-5				16						low
59	-6				17						
60	-9				18						25x
61	-10				19						low
62	MC27711-1				20						
63	MC27721-1				21						
64	-2				22						
65	-3				23						
66	-4				24						
67	-5				25						
68	-6				26						
69	-7				27						
70	MC27709-1				28						
71	-2				29						
72	-3				30						
73	-4				31						

= Matrix: Designate W for water, S for soil, O for oil.
ple amount is reported in grams (wet) for soil and oil, mls for water.

1-05 Date: 07/22/13

Review:

ACCUTEST LABORATORIES MC27551

New England ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC27551
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP36494-MB	BC659561.D	1	01/11/14	ZB	01/10/14	OP36494	GBC3562

The QC reported here applies to the following samples: **Method:** NYDOH 310-13

MC27551-1

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	No Match			
	Turpentine (C9-C11)	No Match			
	Mineral Spirits (C9-C12)	No Match			
	Kerosene (C9-C18)	No Match			
	Diesel Fuel (C9-C22)	No Match			
	Fuel Oil #2 (C11-C22)	No Match			
	Fuel Oil #4 (C11-C24)	No Match			
	Fuel Oil #6 (C11-C26)	No Match			
	Lubricating Oil (C14-C40)	No Match			
	Other Patterns	No Match			

Method Blank Summary

Job Number: MC27551
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP36491-MB	BK33948.D	1	01/15/14	NK	01/10/14	OP36491	GBK1114

The QC reported here applies to the following samples: **Method:** SW846 8082

MC27551-1

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	490	220	ug/kg	
11104-28-2	Aroclor 1221	ND	490	290	ug/kg	
11141-16-5	Aroclor 1232	ND	490	230	ug/kg	
53469-21-9	Aroclor 1242	ND	490	240	ug/kg	
12672-29-6	Aroclor 1248	ND	490	220	ug/kg	
11097-69-1	Aroclor 1254	ND	490	360	ug/kg	
11096-82-5	Aroclor 1260	ND	490	250	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	81%	30-150%
877-09-8	Tetrachloro-m-xylene	69%	30-150%
2051-24-3	Decachlorobiphenyl	85%	30-150%
2051-24-3	Decachlorobiphenyl	76%	30-150%

Blank Spike Summary

Job Number: MC27551
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP36491-BS	BK33949.D	1	01/15/14	NK	01/10/14	OP36491	GBK1114

The QC reported here applies to the following samples: **Method:** SW846 8082

MC27551-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	3510	2360	67	40-140
11104-28-2	Aroclor 1221		ND		40-140
11141-16-5	Aroclor 1232		ND		40-140
53469-21-9	Aroclor 1242		ND		40-140
12672-29-6	Aroclor 1248		ND		40-140
11097-69-1	Aroclor 1254		ND		40-140
11096-82-5	Aroclor 1260	3510	2110	60	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	84%	30-150%
877-09-8	Tetrachloro-m-xylene	68%	30-150%
2051-24-3	Decachlorobiphenyl	81%	30-150%
2051-24-3	Decachlorobiphenyl	72%	30-150%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC27551
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP36491-MS	BK33950.D	1	01/15/14	NK	01/10/14	OP36491	GBK1114
OP36491-MSD	BK33951.D	1	01/15/14	NK	01/10/14	OP36491	GBK1114
MC27551-1	BK33952.D	1	01/15/14	NK	01/10/14	OP36491	GBK1114

The QC reported here applies to the following samples: **Method:** SW846 8082

MC27551-1

CAS No.	Compound	MC27551-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		3890	3730	96	3470	88	7	40-140/50
11104-28-2	Aroclor 1221	ND			ND		ND		nc	40-140/50
11141-16-5	Aroclor 1232	ND			ND		ND		nc	40-140/50
53469-21-9	Aroclor 1242	ND			ND		ND		nc	40-140/50
12672-29-6	Aroclor 1248	ND			ND		ND		nc	40-140/50
11097-69-1	Aroclor 1254	ND			ND		ND		nc	40-140/50
11096-82-5	Aroclor 1260	ND		3890	3610	93	4320	110	18	40-140/50

CAS No.	Surrogate Recoveries	MS	MSD	MC27551-1	Limits
877-09-8	Tetrachloro-m-xylene	114%	119%	111%	30-150%
877-09-8	Tetrachloro-m-xylene	83%	74%	71%	30-150%
2051-24-3	Decachlorobiphenyl	127%	84%	106%	30-150%
2051-24-3	Decachlorobiphenyl	81%	111%	95%	30-150%

* = Outside of Control Limits.

Semivolatile Surrogate Recovery Summary

Job Number: MC27551
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8082 **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
MC27551-1	BK33952.D	111.0	71.0	106.0	95.0
OP36491-BS	BK33949.D	84.0	68.0	81.0	72.0
OP36491-MB	BK33948.D	81.0	69.0	85.0	76.0
OP36491-MS	BK33950.D	114.0	83.0	127.0	81.0
OP36491-MSD	BK33951.D	119.0	74.0	84.0	111.0

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	30-150%
S2 = Decachlorobiphenyl	30-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: MC27551
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	GBK1114-CC1113	**Injection Date:**	01/15/14
Lab File ID:	BK33947.D	**Injection Time:**	09:06
Instrument ID:	GCBK	**Method:**	SW846 8082

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.43	2.49	9.37	10.22

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP36491-MB	BK33948.D	01/15/14	10:03	2.47	2.53	9.40	10.24
OP36491-BS	BK33949.D	01/15/14	10:22	2.45	2.53	9.38	10.23
OP36491-MS	BK33950.D	01/15/14	10:41	2.42	2.50	9.47	10.31
OP36491-MSD	BK33951.D	01/15/14	11:00	2.43	2.50	9.48	10.32
MC27551-1	BK33952.D	01/15/14	11:19	2.43	2.50	9.46	10.31
OP36528-MB	BK33953.D	01/15/14	11:38	2.42	2.49	9.36	10.23
OP36528-BS	BK33954.D	01/15/14	11:57	2.42	2.49	9.36	10.22
ZZZZZZ	BK33955.D	01/15/14	12:16	2.42	2.49	9.36	10.22
ZZZZZZ	BK33956.D	01/15/14	12:35	2.42	2.49	9.36	10.22

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: MC27551 **Sample:** GBK1113-ICC1113
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK33923.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report GCBK

Method : C:\msdchem\1\METHODS\PC140114.M (ChemStation Integrator)
Title : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update : Wed Jan 15 08:45:58 2014
Response via : Initial Calibration

Calibration Files
1 =BK33921.d 2 =BK33922.d 3 =BK33923.d 4 =BK33924.d
5 =BK33925.d 6 =BK33926.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	s	TCMX	2.164	1.805	2.203	1.999	2.127	1.791	2.015 E8	9.01
2)		AR1016-A	4.718	3.997	4.954	5.114	4.851	4.436	4.678 E6	8.65
3)		AR1016-B	7.926	6.673	8.276	8.040	8.632	8.102	7.942 E6	8.41
4)		AR1016-C	1.745	1.433	1.842	1.733	1.739	1.638	1.688 E7	8.34
5)		AR1016-D	1.133	1.036	1.142	1.090	1.138	0.981	1.087 E7	6.06
6)		AR1016-E	6.592	5.827	7.014	6.808	7.686	7.303	6.872 E6	9.30
7)		AR1260-A	1.092	0.945	1.115	1.138	1.241	1.102	1.106 E7	8.61
8)		AR1260-B	1.956	1.761	2.119	2.029	2.240	2.097	2.034 E7	8.06
9)		AR1260-C	3.529	2.959	3.646	3.531	3.872	3.429	3.494 E7	8.67
10)		AR1260-D	2.512	2.086	2.699	2.534	2.718	2.476	2.504 E7	9.11
11)		AR1260-E	2.571	2.177	2.796	2.676	2.942	2.706	2.645 E7	9.85
12)		AR1260-F	6.490	5.439	7.230	6.956	7.148	6.796	6.676 E6	9.90
13)	s	DCB	2.233	1.939	2.383	2.273	2.550	2.552	2.322 E8	9.92
14)		AR1221-A			1.618				1.618 E6	0.00
15)		AR1221-B			2.325				2.325 E6	0.00
16)		AR1221-C			5.221				5.221 E6	0.00
17)		AR1232-A			4.646				4.646 E6	0.00
18)		AR1232-B			3.491				3.491 E6	0.00
19)		AR1232-C			7.706				7.706 E6	0.00
20)		AR1232-D			4.313				4.313 E6	0.00
21)		AR1232-E			6.789				6.789 E6	0.00
22)		AR1242-A			3.781				3.781 E6	0.00
23)		AR1242-B			6.141				6.141 E6	0.00
24)		AR1242-C			1.375				1.375 E7	0.00
25)		AR1242-D			8.970				8.970 E6	0.00
26)		AR1242-E			1.105				1.105 E7	0.00
27)		AR1248-A			3.114				3.114 E6	0.00
28)		AR1248-B			8.777				8.777 E6	0.00
29)		AR1248-C			1.327				1.327 E7	0.00
30)		AR1248-D			1.628				1.628 E7	0.00
31)		AR1248-E			1.865				1.865 E7	0.00
32)		AR1254-A			1.274				1.274 E7	0.00
33)		AR1254-B			1.753				1.753 E7	0.00
34)		AR1254-C			2.454				2.454 E7	0.00
35)		AR1254-D			7.520				7.520 E6	0.00
36)		AR1254-E			1.198				1.198 E7	0.00
37)		AR1262-A			8.312				8.312 E6	0.00
38)		AR1262-B			1.561				1.561 E7	0.00
39)		AR1262-C			3.319				3.319 E7	0.00
40)		AR1262-D			3.471				3.471 E7	0.00
41)		AR1262-E			9.586				9.586 E6	0.00
42)		AR1268-A			9.527				9.527 E6	0.00
43)		AR1268-B			1.077				1.077 E7	0.00
44)		AR1268-C			7.916				7.916 E7	0.00
45)		AR1268-D			2.978				2.978 E7	0.00
46)		AR1268-E			6.441				6.441 E7	0.00

Initial Calibration Summary

Job Number: MC27551 **Sample:** GBK1113-ICC1113
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK33923.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Signal #2

1)	s	TCMX	6.713	5.697	6.984	6.462	6.678	6.022	6.426 E6	7.47
2)		AR1016-A	1.148	1.041	1.235	1.211	1.349	1.292	1.213 E5	8.98
3)		AR1016-B	2.292	1.977	2.413	2.469	2.655	2.506	2.385 E5	9.74
4)		AR1016-C	4.390	3.717	4.914	4.771	4.880	4.508	4.530 E5	9.91
5)		AR1016-D	1.750	1.592	1.885	2.097	1.999	1.782	1.851 E5	9.83
6)		AR1016-E	1.327	1.148	1.468	1.445	1.502	1.311	1.367 E5	9.66
7)		AR1260-A	2.879	2.505	3.153	3.067	3.332	3.140	3.013 E5	9.57
8)		AR1260-B	3.417	2.911	3.625	3.609	3.928	3.518	3.501 E5	9.60
9)		AR1260-C	8.619	7.300	9.429	9.030	9.847	8.793	8.836 E5	9.89
10)		AR1260-D	6.560	5.372	7.015	6.627	6.982	6.307	6.477 E5	9.32
11)		AR1260-E	6.270	5.212	6.754	6.472	7.018	6.594	6.387 E5	9.85
12)		AR1260-F	1.761	1.452	1.884	1.835	1.955	1.867	1.792 E5	9.94
13)	s	DCB	5.731	4.816	6.221	5.894	6.386	6.303	5.892 E6	9.91
14)		AR1221-A			3.942				3.942 E4	0.00
15)		AR1221-B			5.004				5.004 E4	0.00
16)		AR1221-C			1.479				1.479 E5	0.00
17)		AR1232-A			1.308				1.308 E5	0.00
18)		AR1232-B			1.189				1.189 E5	0.00
19)		AR1232-C			2.080				2.080 E5	0.00
20)		AR1232-D			1.295				1.295 E5	0.00
21)		AR1232-E			1.994				1.994 E5	0.00
22)		AR1242-A			9.511				9.511 E4	0.00
23)		AR1242-B			1.933				1.933 E5	0.00
24)		AR1242-C			3.773				3.773 E5	0.00
25)		AR1242-D			9.152				9.152 E4	0.00
26)		AR1242-E			1.545				1.545 E5	0.00
27)		AR1248-A			1.021				1.021 E5	0.00
28)		AR1248-B			2.355				2.355 E5	0.00
29)		AR1248-C			3.896				3.896 E5	0.00
30)		AR1248-D			5.915				5.915 E5	0.00
31)		AR1248-E			3.468				3.468 E5	0.00
32)		AR1254-A			2.941				2.941 E5	0.00
33)		AR1254-B			4.180				4.180 E5	0.00
34)		AR1254-C			6.728				6.728 E5	0.00
35)		AR1254-D			3.778				3.778 E5	0.00
36)		AR1254-E			3.151				3.151 E5	0.00
37)		AR1262-A			2.361				2.361 E5	0.00
38)		AR1262-B			2.551				2.551 E5	0.00
39)		AR1262-C			8.006				8.006 E5	0.00
40)		AR1262-D			8.217				8.217 E5	0.00
41)		AR1262-E			2.593				2.593 E5	0.00
42)		AR1268-A			2.105				2.105 E5	0.00
43)		AR1268-B			2.615				2.615 E5	0.00
44)		AR1268-C			2.072				2.072 E6	0.00
45)		AR1268-D			7.297				7.297 E5	0.00
46)		AR1268-E			2.166				2.166 E6	0.00

(#) = Out of Range

PC140114.M Wed Jan 15 11:09:37 2014

8.6.1

8

Initial Calibration Verification

Job Number: MC27551 **Sample:** GBK1113-ICV1113
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK33931.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...14\BK33931.d\ECD1A.ch Vial: 61
Signal #2 : C:\msdchem\1\DATA\BK140114\BK33931.d\ECD2B.ch
Acq On    : 14 Jan 2014   4:51 pm                    Operator: nickk
Sample    : icv1113-500,a16/60                       Inst    : GCBK
Misc      : op36519,gbk1113,1000,,,5,,w              Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC140114.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Wed Jan 15 08:45:58 2014
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	s	TCMX	201.451	206.566 E6	-2.5	94	-0.01	2.32- 2.52
2		AR1016-A	4.678	4.160 E6	11.1	84#	-0.02	2.60- 2.80
3		AR1016-B	7.942	6.706 E6	15.6#	81#	-0.02	2.92- 3.12
4		AR1016-C	16.885	15.092 E6	10.6	82#	-0.02	3.35- 3.55
5		AR1016-D	10.865	9.837 E6	9.5	86	-0.03	3.55- 3.61
6		AR1016-E	6.872	5.538 E6	19.4#	79#	-0.02	3.98- 4.04
7		AR1260-A	11.056	9.796 E6	11.4	88	-0.02	5.37- 5.57
8		AR1260-B	20.336	17.436 E6	14.3	82#	-0.02	5.74- 5.94
9		AR1260-C	34.944	30.379 E6	13.1	83#	-0.02	6.13- 6.33
10		AR1260-D	25.042	21.720 E6	13.3	80#	-0.02	7.10- 7.30
11		AR1260-E	26.446	23.381 E6	11.6	84#	-0.02	7.53- 7.73
12		AR1260-F	6.676	6.135 E6	8.1	85#	-0.02	8.50- 8.70
13	s	DCB	232.168	210.045 E6	9.5	88	-0.02	9.26- 9.46
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					

Initial Calibration Verification

Job Number: MC27551 **Sample:** GBK1113-ICV1113
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK33931.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42		AR1268-A			----------NA----------			
43		AR1268-B			----------NA----------			
44		AR1268-C			----------NA----------			
45		AR1268-D			----------NA----------			
46		AR1268-E			----------NA----------			
*****		Signal #2 *****						
1	s	TCMX	6.426	6.138 E6	4.5	88	0.00	2.39- 2.59
2		AR1016-A	121.268	112.167 E3	7.5	91	0.00	2.80- 3.00
3		AR1016-B	238.530	209.718 E3	12.1	87	0.00	3.18- 3.38
4		AR1016-C	453.007	419.438 E3	7.4	85	0.00	3.61- 3.81
5		AR1016-D	185.074	169.470 E3	8.4	90	0.00	3.82- 3.88
6		AR1016-E	136.679	121.797 E3	10.9	83#	0.00	3.94- 4.00
7		AR1260-A	301.274	272.035 E3	9.7	86	0.00	5.89- 6.09
8		AR1260-B	350.136	318.706 E3	9.0	88	0.00	6.18- 6.38
9		AR1260-C	883.610	788.149 E3	10.8	84#	-0.13	6.70- 6.90
10		AR1260-D	647.705	565.502 E3	12.7	81#	0.00	7.67- 7.87
11		AR1260-E	638.672	565.891 E3	11.4	84#	0.00	8.24- 8.44
12		AR1260-F	179.240	165.352 E3	7.7	88	0.00	9.17- 9.37
13	s	DCB	5.892	5.448 E6	7.5	88	0.00	10.12-10.32
14		AR1221-A			----------NA----------			
15		AR1221-B			----------NA----------			
16		AR1221-C			----------NA----------			
17		AR1232-A			----------NA----------			
18		AR1232-B			----------NA----------			
19		AR1232-C			----------NA----------			
20		AR1232-D			----------NA----------			
21		AR1232-E			----------NA----------			
22		AR1242-A			----------NA----------			
23		AR1242-B			----------NA----------			
24		AR1242-C			----------NA----------			
25		AR1242-D			----------NA----------			
26		AR1242-E			----------NA----------			
27		AR1248-A			----------NA----------			
28		AR1248-B			----------NA----------			
29		AR1248-C			----------NA----------			
30		AR1248-D			----------NA----------			
31		AR1248-E			----------NA----------			
32		AR1254-A			----------NA----------			
33		AR1254-B			----------NA----------			
34		AR1254-C			----------NA----------			
35		AR1254-D			----------NA----------			
36		AR1254-E			----------NA----------			
37		AR1262-A			----------NA----------			
38		AR1262-B			----------NA----------			
39		AR1262-C			----------NA----------			
40		AR1262-D			----------NA----------			
41		AR1262-E			----------NA----------			
42		AR1268-A			----------NA----------			
43		AR1268-B			----------NA----------			
44		AR1268-C			----------NA----------			
45		AR1268-D			----------NA----------			
46		AR1268-E			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK33923.d PC140114.M Wed Jan 15 08:49:00 2014

8.6.2

8

Continuing Calibration Summary

Job Number: MC27551 **Sample:** GBK1114-CC1113
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK33947.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...15\BK33947.d\ECD1A.ch Vial: 100
Signal #2 : C:\msdchem\1\DATA\BK140115\BK33947.d\ECD2B.ch
Acq On    : 15 Jan 2014   9:06 am                    Operator: nickk
Sample    : cc1113-750,a16/60                        Inst    : GCBK
Misc      : op36519,gbk1114,1000,,,5,,w              Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC140114.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Wed Jan 15 08:45:58 2014
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	s	TCMX	201.451	226.176 E6	-12.3	125#	0.00	2.33- 2.53
2		AR1016-A	4.678	4.506 E6	3.7	113	0.00	2.62- 2.82
3		AR1016-B	7.942	7.976 E6	-0.4	120#	0.00	2.93- 3.13
4		AR1016-C	16.885	17.466 E6	-3.4	122#	0.00	3.37- 3.57
5		AR1016-D	10.865	11.075 E6	-1.9	107	-0.01	3.57- 3.63
6		AR1016-E	6.872	6.708 E6	2.4	115#	0.00	4.00- 4.06
7		AR1260-A	11.056	11.455 E6	-3.6	121#	0.00	5.39- 5.59
8		AR1260-B	20.336	20.077 E6	1.3	114	0.00	5.76- 5.96
9		AR1260-C	34.944	35.838 E6	-2.6	121#	0.00	6.15- 6.35
10		AR1260-D	25.042	26.658 E6	-6.5	128#	0.00	7.12- 7.32
11		AR1260-E	26.446	26.808 E6	-1.4	123#	0.00	7.55- 7.75
12		AR1260-F	6.676	6.780 E6	-1.6	125#	0.00	8.51- 8.71
13	s	DCB	232.168	234.783 E6	-1.1	121#	0.00	9.27- 9.47
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					

Continuing Calibration Summary

Job Number: MC27551 **Sample:** GBK1114-CC1113
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK33947.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42		AR1268-A		----------NA----------				
43		AR1268-B		----------NA----------				
44		AR1268-C		----------NA----------				
45		AR1268-D		----------NA----------				
46		AR1268-E		----------NA----------				
*****		Signal #2 *****						
1	s	TCMX	6.426	6.407 E6	0.3	112	0.00	2.39- 2.59
2		AR1016-A	121.268	114.671 E3	5.4	110	0.00	2.80- 3.00
3		AR1016-B	238.530	224.305 E3	6.0	113	0.00	3.17- 3.37
4		AR1016-C	453.007	445.588 E3	1.6	120#	0.00	3.62- 3.82
5		AR1016-D	185.074	192.539 E3	-4.0	121#	0.00	3.83- 3.89
6		AR1016-E	136.679	125.017 E3	8.5	109	0.00	3.94- 4.00
7		AR1260-A	301.274	290.371 E3	3.6	116#	0.00	5.89- 6.09
8		AR1260-B	350.136	344.665 E3	1.6	118#	0.00	6.18- 6.38
9		AR1260-C	883.610	849.622 E3	3.8	116#	-0.13	6.71- 6.91
10		AR1260-D	647.705	655.635 E3	-1.2	122#	0.00	7.67- 7.87
11		AR1260-E	638.672	618.047 E3	3.2	119#	0.00	8.24- 8.44
12		AR1260-F	179.240	174.184 E3	2.8	120#	0.00	9.17- 9.37
13	s	DCB	5.892	5.708 E6	3.1	119#	0.00	10.12-10.32
14		AR1221-A		----------NA----------				
15		AR1221-B		----------NA----------				
16		AR1221-C		----------NA----------				
17		AR1232-A		----------NA----------				
18		AR1232-B		----------NA----------				
19		AR1232-C		----------NA----------				
20		AR1232-D		----------NA----------				
21		AR1232-E		----------NA----------				
22		AR1242-A		----------NA----------				
23		AR1242-B		----------NA----------				
24		AR1242-C		----------NA----------				
25		AR1242-D		----------NA----------				
26		AR1242-E		----------NA----------				
27		AR1248-A		----------NA----------				
28		AR1248-B		----------NA----------				
29		AR1248-C		----------NA----------				
30		AR1248-D		----------NA----------				
31		AR1248-E		----------NA----------				
32		AR1254-A		----------NA----------				
33		AR1254-B		----------NA----------				
34		AR1254-C		----------NA----------				
35		AR1254-D		----------NA----------				
36		AR1254-E		----------NA----------				
37		AR1262-A		----------NA----------				
38		AR1262-B		----------NA----------				
39		AR1262-C		----------NA----------				
40		AR1262-D		----------NA----------				
41		AR1262-E		----------NA----------				
42		AR1268-A		----------NA----------				
43		AR1268-B		----------NA----------				
44		AR1268-C		----------NA----------				
45		AR1268-D		----------NA----------				
46		AR1268-E		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK33922.d PC140114.M Wed Jan 15 09:43:42 2014

8.6.3

8

Continuing Calibration Summary

Job Number: MC27551 **Sample:** GBK1114-CC1113
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK33957.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\DATA\BK...15\BK33957.d\ECD1A.ch Vial: 100
Signal #2 : C:\msdchem\1\DATA\BK140115\BK33957.d\ECD2B.ch
Acq On    : 15 Jan 2014   1:50 pm                    Operator: nickk
Sample    : cc1113-750,a16/60                        Inst    : GCBK
Misc      : op36519,gbk1114,1000,,,5,,w              Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: EVENTS2.E

Method       : C:\msdchem\1\METHODS\PC140114.M (ChemStation Integrator)
Title        : PCB,rtx-clpest front,rtx-clpest2-rear
Last Update  : Wed Jan 15 08:45:58 2014
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 115%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	s	TCMX	201.451	212.169 E6	-5.3	118#	0.00	2.33- 2.53
2		AR1016-A	4.678	4.712 E6	-0.7	118#	0.00	2.62- 2.82
3		AR1016-B	7.942	7.749 E6	2.4	116#	0.00	2.93- 3.13
4		AR1016-C	16.885	17.374 E6	-2.9	121#	0.00	3.36- 3.56
5		AR1016-D	10.865	10.900 E6	-0.3	105	-0.01	3.57- 3.63
6		AR1016-E	6.872	6.561 E6	4.5	113	0.00	3.99- 4.05
7		AR1260-A	11.056	10.862 E6	1.8	115	0.00	5.38- 5.58
8		AR1260-B	20.336	19.296 E6	5.1	110	0.00	5.76- 5.96
9		AR1260-C	34.944	33.349 E6	4.6	113	0.00	6.14- 6.34
10		AR1260-D	25.042	24.839 E6	0.8	119#	0.00	7.11- 7.31
11		AR1260-E	26.446	23.764 E6	10.1	109	0.00	7.54- 7.74
12		AR1260-F	6.676	5.888 E6	11.8	108	0.00	8.51- 8.71
13	s	DCB	232.168	198.599 E6	14.5	102	0.00	9.27- 9.47
14		AR1221-A	----------NA----------					
15		AR1221-B	----------NA----------					
16		AR1221-C	----------NA----------					
17		AR1232-A	----------NA----------					
18		AR1232-B	----------NA----------					
19		AR1232-C	----------NA----------					
20		AR1232-D	----------NA----------					
21		AR1232-E	----------NA----------					
22		AR1242-A	----------NA----------					
23		AR1242-B	----------NA----------					
24		AR1242-C	----------NA----------					
25		AR1242-D	----------NA----------					
26		AR1242-E	----------NA----------					
27		AR1248-A	----------NA----------					
28		AR1248-B	----------NA----------					
29		AR1248-C	----------NA----------					
30		AR1248-D	----------NA----------					
31		AR1248-E	----------NA----------					
32		AR1254-A	----------NA----------					
33		AR1254-B	----------NA----------					
34		AR1254-C	----------NA----------					
35		AR1254-D	----------NA----------					
36		AR1254-E	----------NA----------					
37		AR1262-A	----------NA----------					
38		AR1262-B	----------NA----------					
39		AR1262-C	----------NA----------					
40		AR1262-D	----------NA----------					
41		AR1262-E	----------NA----------					

Continuing Calibration Summary

Job Number: MC27551 **Sample:** GBK1114-CC1113
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** BK33957.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

42		AR1268-A			----------NA----------				
43		AR1268-B			----------NA----------				
44		AR1268-C			----------NA----------				
45		AR1268-D			----------NA----------				
46		AR1268-E			----------NA----------				
*****		Signal #2 *****							
1	s	TCMX	6.426	5.314 E6	17.3#	93	0.00	2.39- 2.59	
2		AR1016-A	121.268	91.383 E3	24.6#	88	0.00	2.80- 3.00	
3		AR1016-B	238.530	183.708 E3	23.0#	93	0.00	3.17- 3.37	
4		AR1016-C	453.007	361.586 E3	20.2#	97	0.00	3.62- 3.82	
5		AR1016-D	185.074	147.768 E3	20.2#	93	0.00	3.83- 3.89	
6		AR1016-E	136.679	110.831 E3	18.9#	97	0.00	3.94- 4.00	
7		AR1260-A	301.274	236.564 E3	21.5#	94	0.00	5.89- 6.09	
8		AR1260-B	350.136	284.959 E3	18.6#	98	0.00	6.18- 6.38	
9		AR1260-C	883.610	712.564 E3	19.4#	98	-0.13	6.71- 6.91	
10		AR1260-D	647.705	541.272 E3	16.4#	101	0.00	7.67- 7.87	
11		AR1260-E	638.672	503.790 E3	21.1#	97	0.00	8.24- 8.44	
12		AR1260-F	179.240	138.037 E3	23.0#	95	0.00	9.17- 9.37	
13	s	DCB	5.892	4.360 E6	26.0#	91	0.00	10.12-10.32	
14		AR1221-A			----------NA----------				
15		AR1221-B			----------NA----------				
16		AR1221-C			----------NA----------				
17		AR1232-A			----------NA----------				
18		AR1232-B			----------NA----------				
19		AR1232-C			----------NA----------				
20		AR1232-D			----------NA----------				
21		AR1232-E			----------NA----------				
22		AR1242-A			----------NA----------				
23		AR1242-B			----------NA----------				
24		AR1242-C			----------NA----------				
25		AR1242-D			----------NA----------				
26		AR1242-E			----------NA----------				
27		AR1248-A			----------NA----------				
28		AR1248-B			----------NA----------				
29		AR1248-C			----------NA----------				
30		AR1248-D			----------NA----------				
31		AR1248-E			----------NA----------				
32		AR1254-A			----------NA----------				
33		AR1254-B			----------NA----------				
34		AR1254-C			----------NA----------				
35		AR1254-D			----------NA----------				
36		AR1254-E			----------NA----------				
37		AR1262-A			----------NA----------				
38		AR1262-B			----------NA----------				
39		AR1262-C			----------NA----------				
40		AR1262-D			----------NA----------				
41		AR1262-E			----------NA----------				
42		AR1268-A			----------NA----------				
43		AR1268-B			----------NA----------				
44		AR1268-C			----------NA----------				
45		AR1268-D			----------NA----------				
46		AR1268-E			----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BK33922.d PC140114.M Wed Jan 15 14:09:44 2014

8.6.4

8

New England ACCUTEST LABORATORIES

GC Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140111\
Data File : bc659563.d
Signal(s) : FID1A.CH
Acq On : 11-Jan-14, 11:27:33
Operator : kimmien
Sample : mc27551-1,op36494
Misc : op36494,gbc3562,0.5873,,,1,,
ALS Vial : 73 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:14:04 2014
Quant Method : C:\msdchem\1\methods\FGF140113.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1) I	5a-Androstane	0.000	0	N.D.	µg/mLd
	Target Compounds				
2)	C-8	0.000	0	N.D.	µg/mLd
3)	C-9	0.000	0	N.D.	µg/mLd
4)	C-10	0.000	0	N.D.	µg/mLd
5)	C-11	0.000	0	N.D.	µg/mLd
6)	C-12	0.000	0	N.D.	µg/mLd
7)	C-13	0.000	0	N.D.	µg/mLd
8)	C-14	0.000	0	N.D.	µg/mLd
9)	C-15	0.000	0	N.D.	µg/mLd
10)	C-16	0.000	0	N.D.	µg/mLd
11)	C-17	0.000	0	N.D.	µg/mLd
12)	C-18	0.000	0	N.D.	µg/mLd
13)	C-19	0.000	0	N.D.	µg/mLd
14)	C-20	0.000	0	N.D.	µg/mLd
15)	C-21	0.000	0	N.D.	µg/mLd
16)	C-22	0.000	0	N.D.	µg/mLd
17)	C-23	0.000	0	N.D.	µg/mLd
18)	C-24	0.000	0	N.D.	µg/mLd
19)	C-25	0.000	0	N.D.	µg/mLd
20)	C-26	0.000	0	N.D.	µg/mLd
21)	C-27	0.000	0	N.D.	µg/mLd
22)	C-28	0.000	0	N.D.	µg/mLd
23)	C-29	0.000	0	N.D.	µg/mLd
24)	C-30	0.000	0	N.D.	µg/mLd
25)	C-31	0.000	0	N.D.	µg/mLd
26)	C-32	0.000	0	N.D.	µg/mLd
27)	C-33	0.000	0	N.D.	µg/mLd
28)	C-34	0.000	0	N.D.	µg/mLd
29)	C-35	0.000	0	N.D.	µg/mLd
30)	C-36	0.000	0	N.D.	µg/mLd
31)	C-37	0.000	0	N.D.	µg/mLd
32)	C-38	0.000	0	N.D.	µg/mLd
33)	C-39	0.000	0	N.D.	µg/mLd
34)	C-40	0.000	0	N.D.	µg/mLd
35) H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd
	SemiQuant Compounds - Not Calibrated on this Instrument				

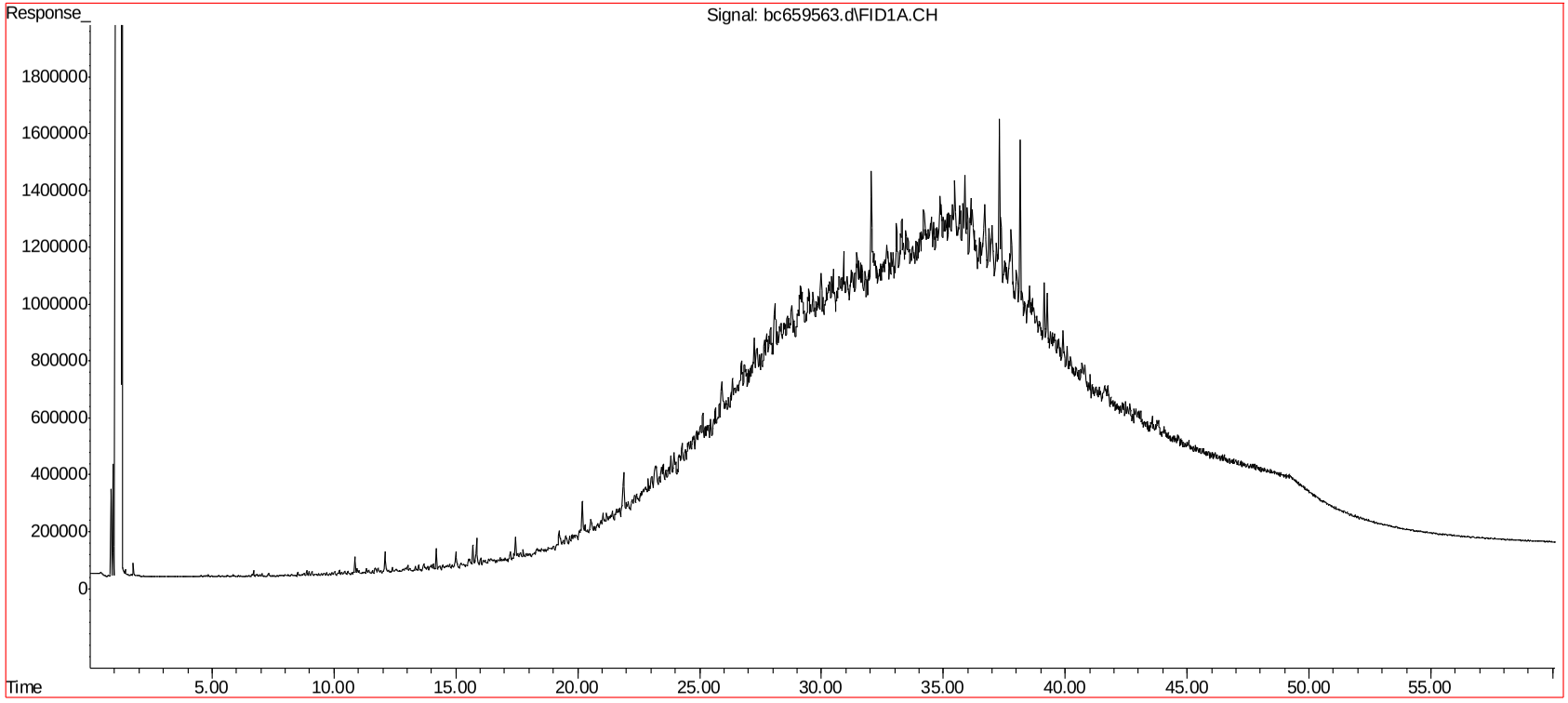
(f)=RT Delta > 1/2 Window (m)=manual int.

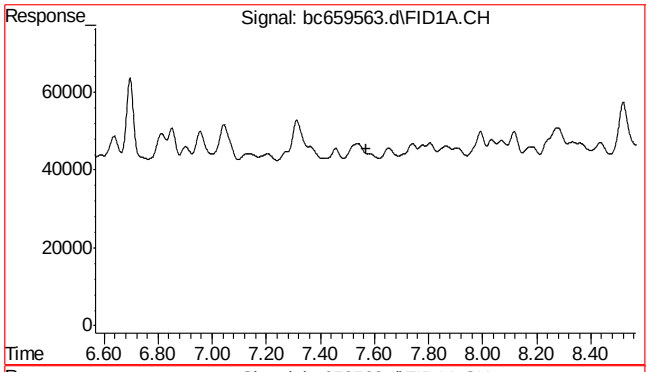
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140111\
Data File : bc659563.d
Signal(s) : FID1A.CH
Acq On : 11-Jan-14, 11:27:33
Operator : kimmien
Sample : mc27551-1,op36494
Misc : op36494,gbc3562,0.5873,,,1,,
ALS Vial : 73 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:14:04 2014
Quant Method : C:\msdchem\1\methods\FGF140113.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

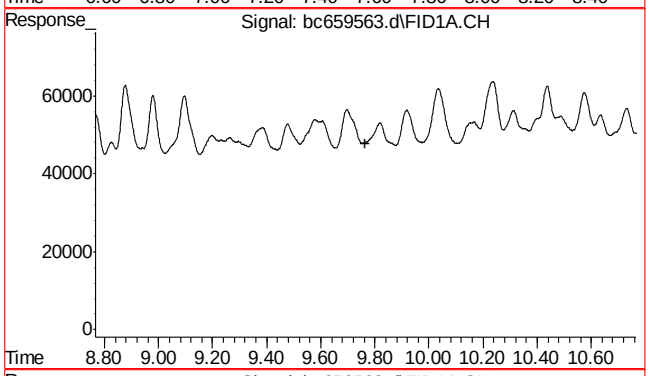
Volume Inj. :
Signal Phase :
Signal Info :





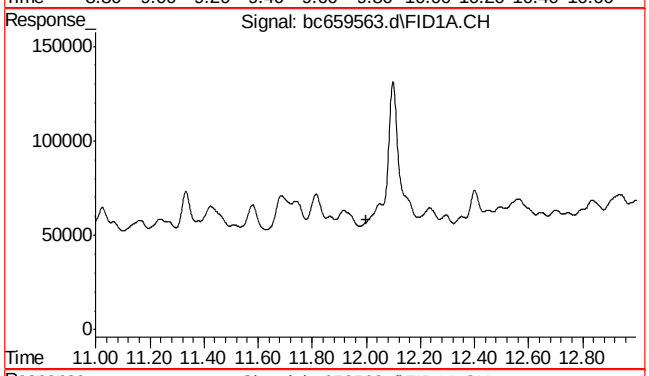
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



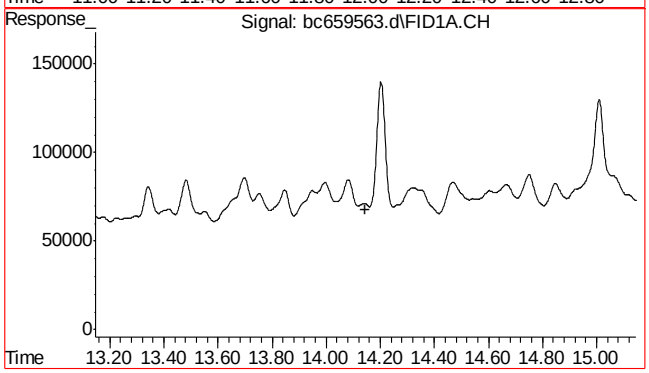
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



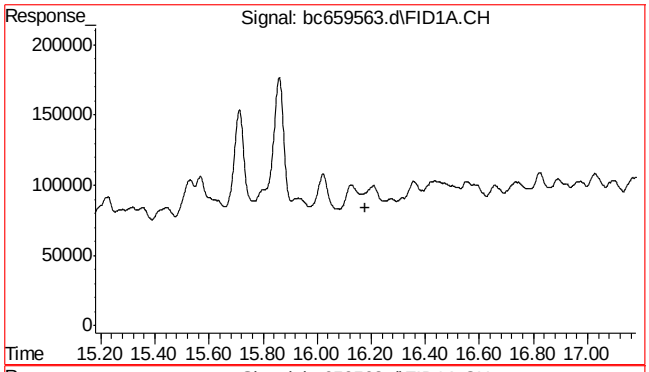
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



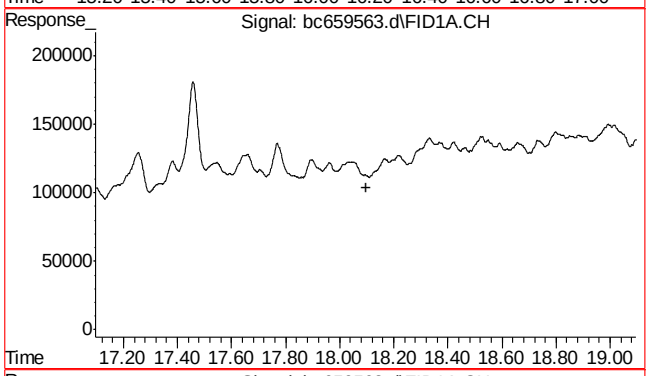
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



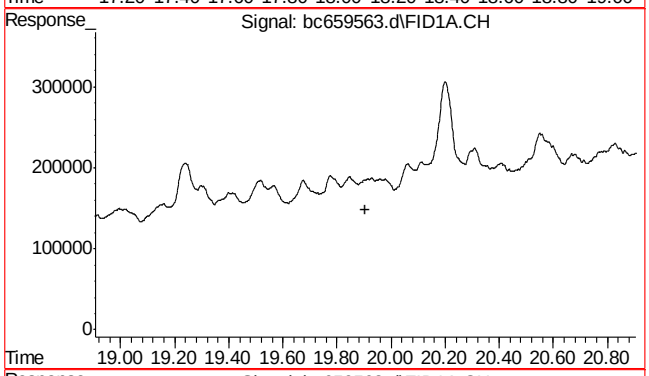
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



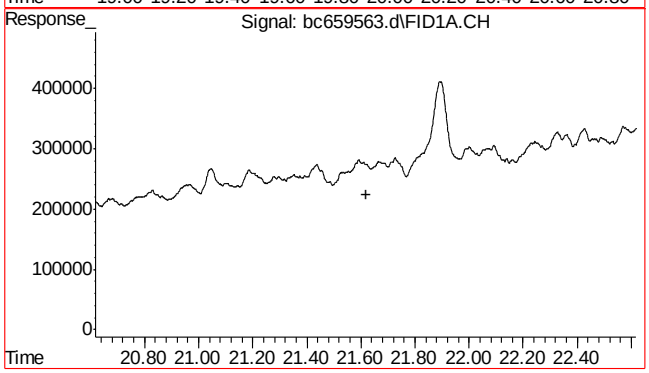
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



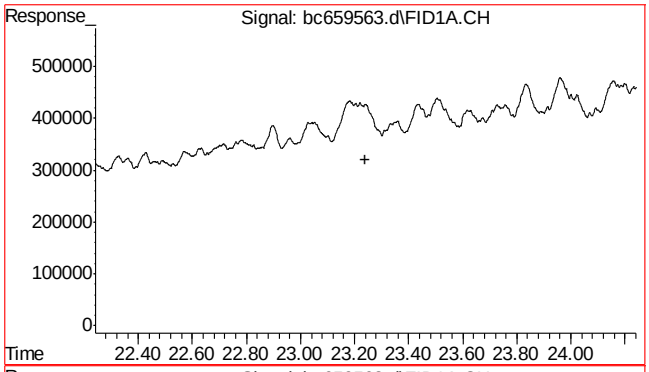
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



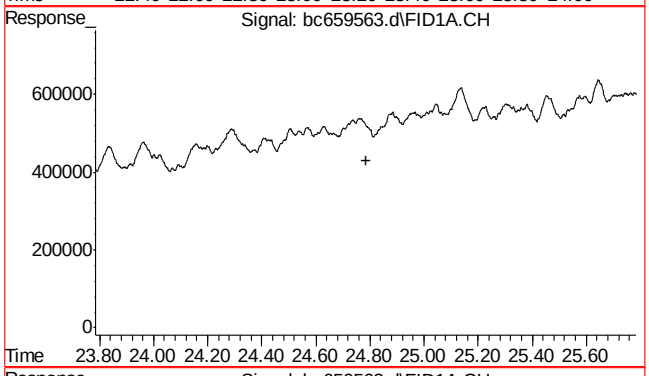
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



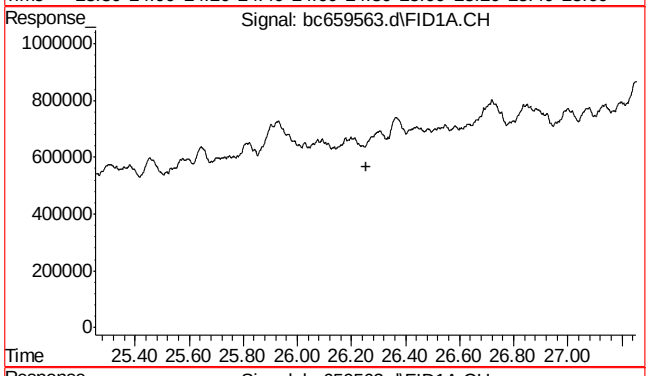
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



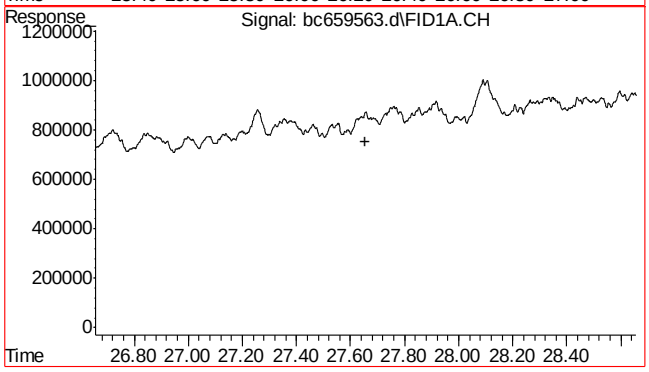
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



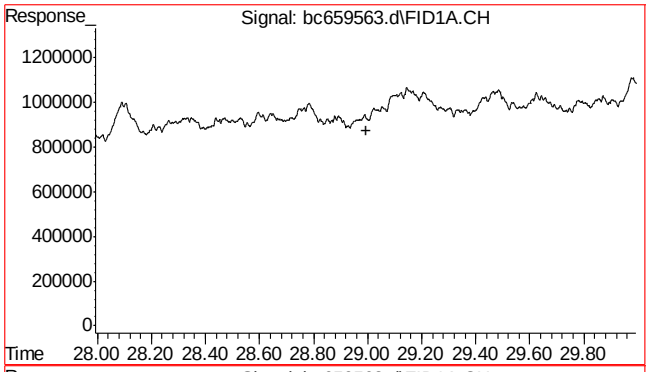
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



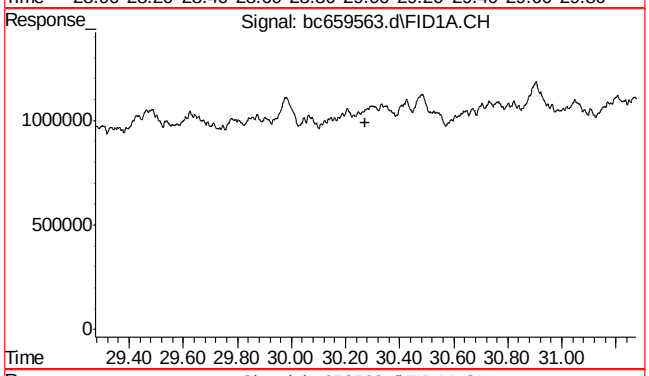
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



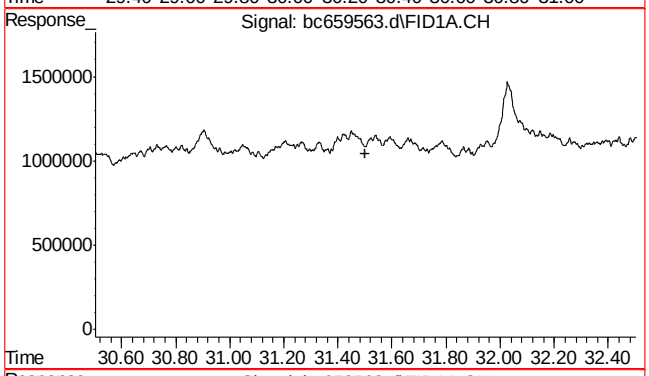
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



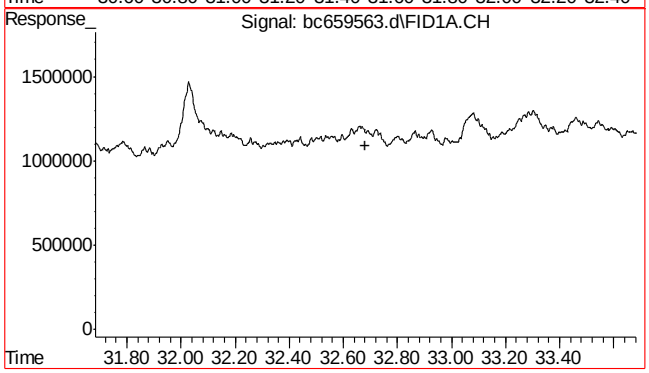
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



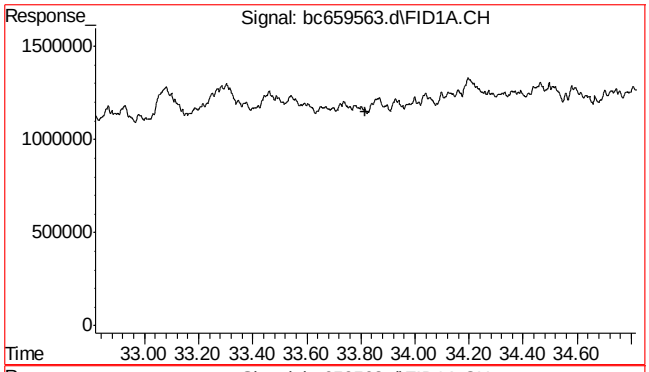
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



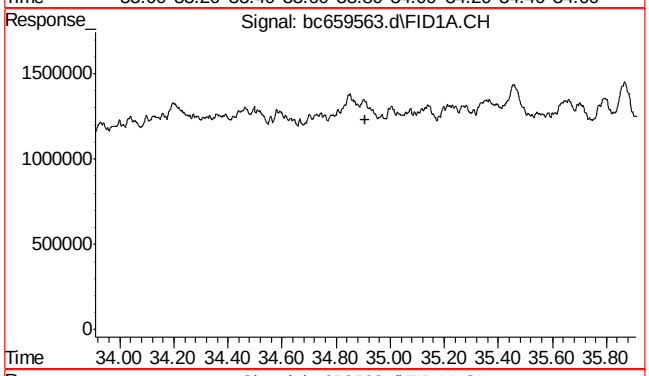
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



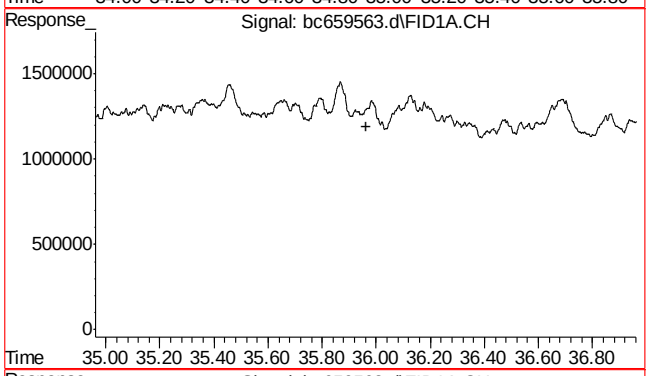
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



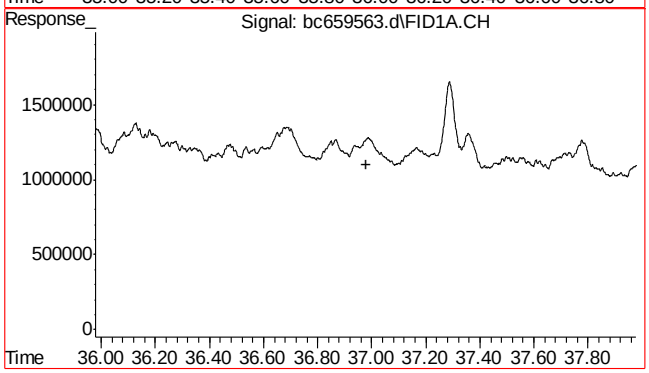
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



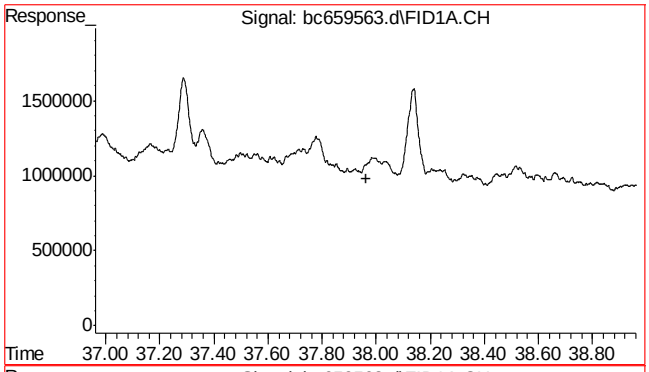
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



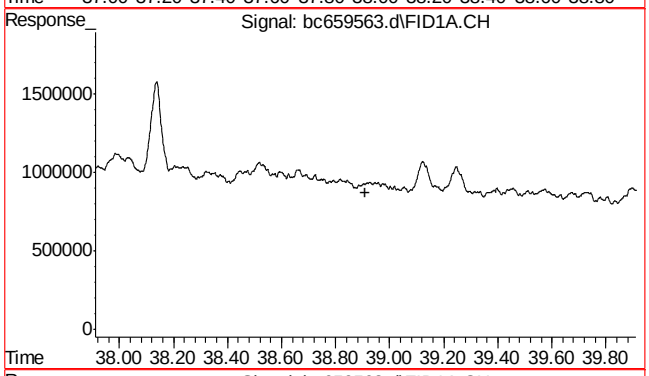
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



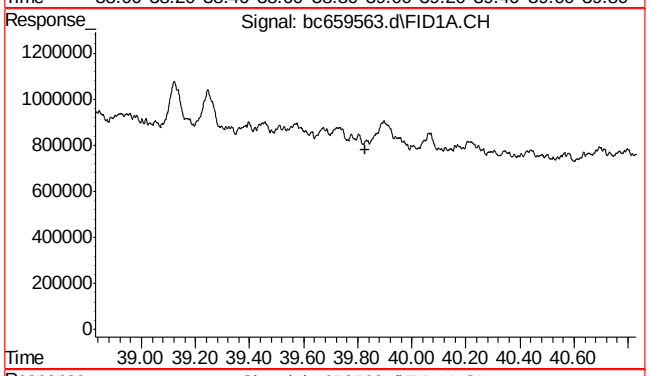
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



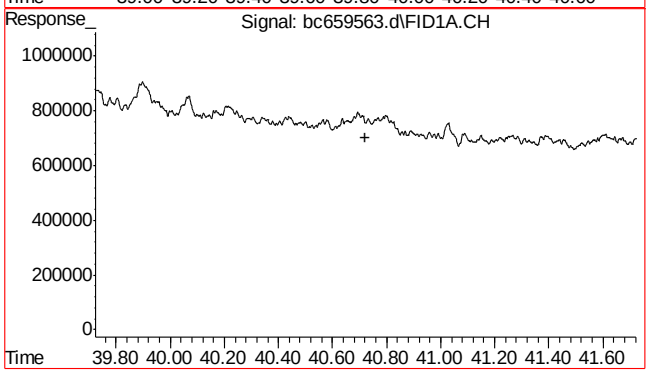
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



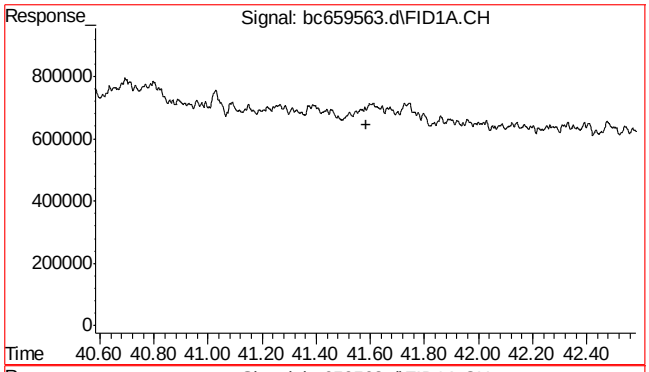
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



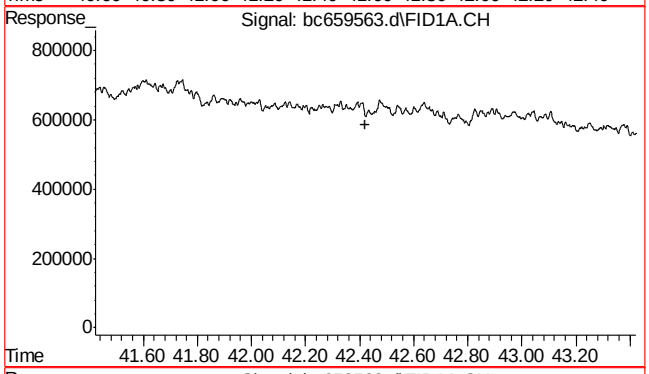
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



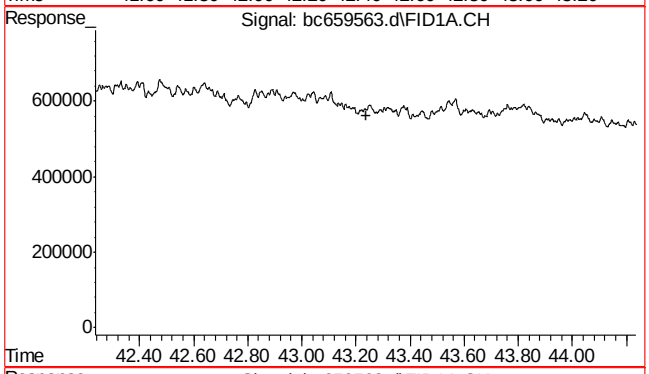
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



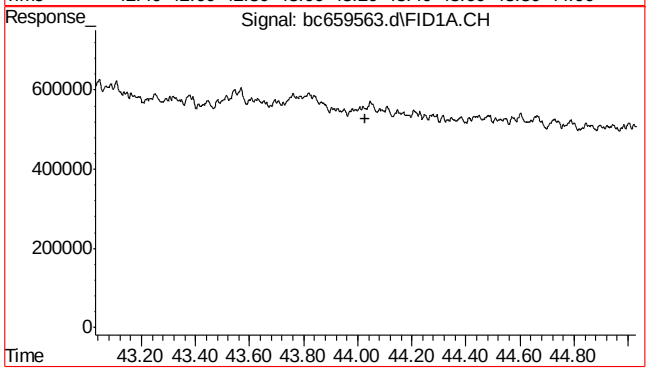
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



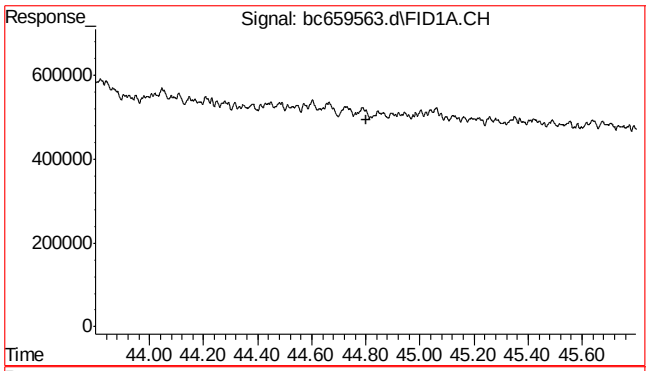
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



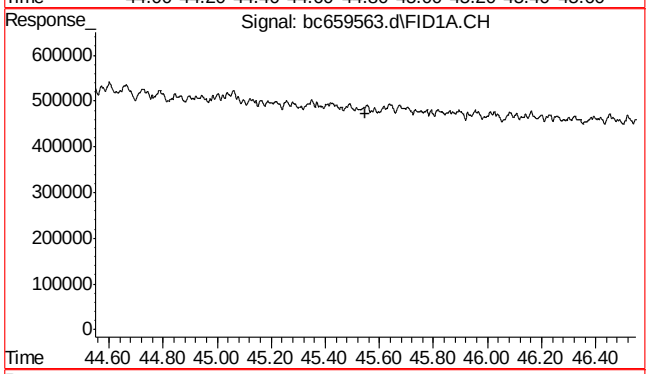
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



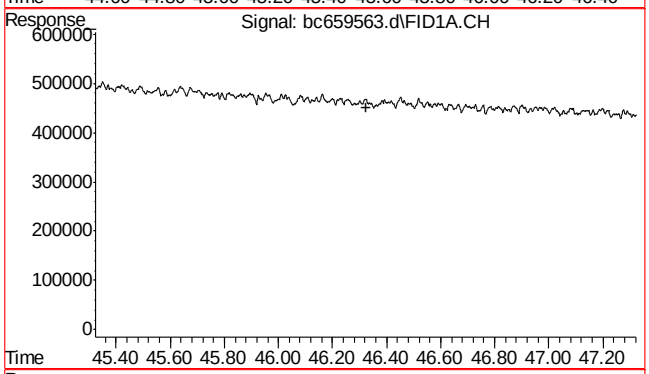
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



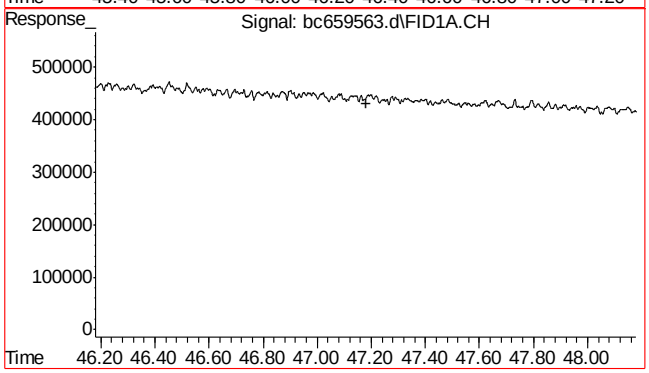
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



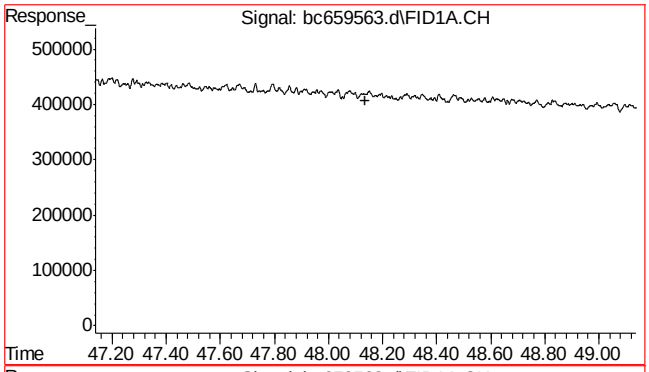
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



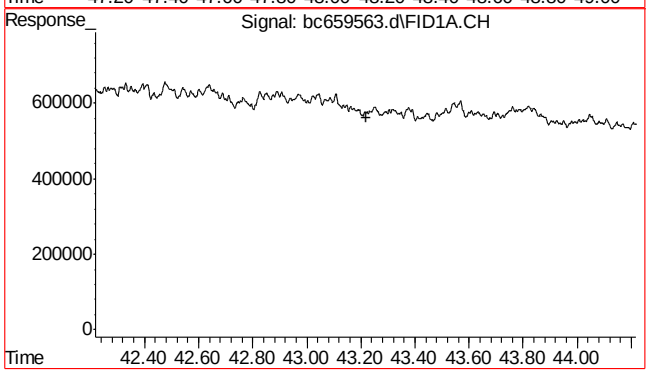
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
01/16/14 10:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140115\
Data File : BK33952.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jan 2014 11:19 am
Operator : nickk
Sample : mc27551-1,op36491
Misc : op36491,gbk1114,1.0295,,,10,,o
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 15:50:46 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Wed Jan 15 08:45:58 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1)	s TCMX	2.425	2.499	8970.3E6	181.7E6	44.528m	28.268m#
	Spiked Amount 40.000			Recovery	=	111.32%	70.67%
13)	s DCB	9.455f	10.305f	9833.9E6	223.0E6	42.357m	37.855m
	Spiked Amount 40.000			Recovery	=	105.89%	94.64%
	Target Compounds						

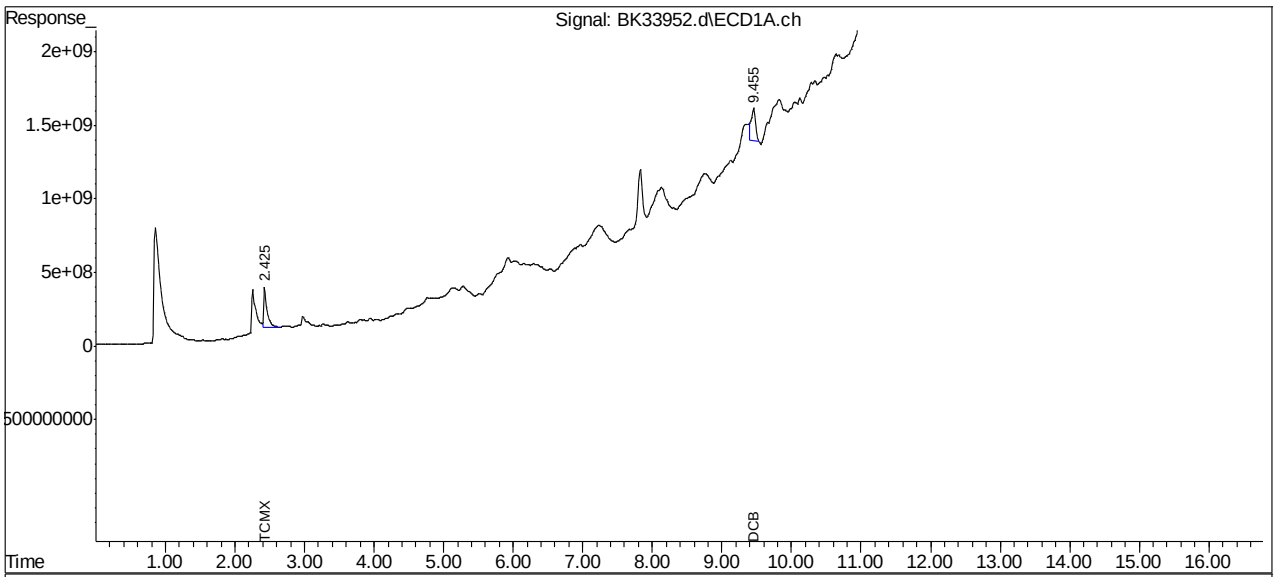
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

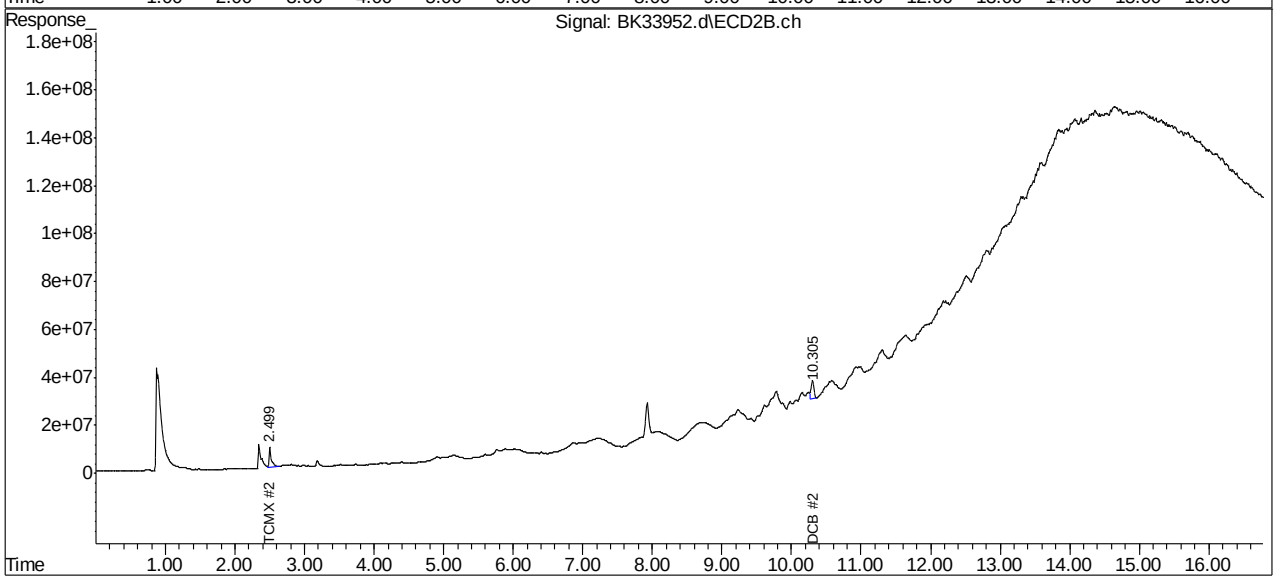
Quantitation Report (QT Reviewed)

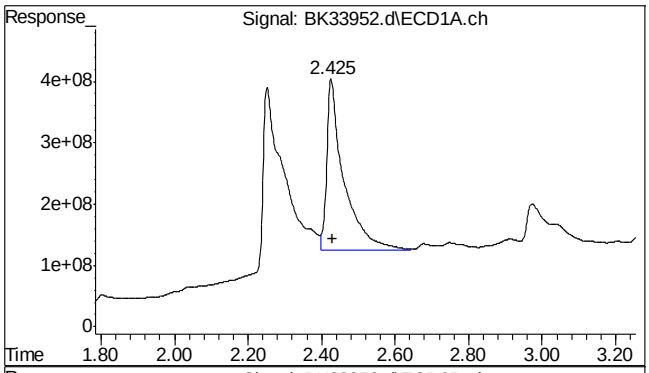
Data Path : C:\msdchem\1\DATA\BK140115\
Data File : BK33952.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jan 2014 11:19 am
Operator : nickk
Sample : mc27551-1,op36491
Misc : op36491,gbk1114,1.0295,,,10,,o
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 15:50:46 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Wed Jan 15 08:45:58 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

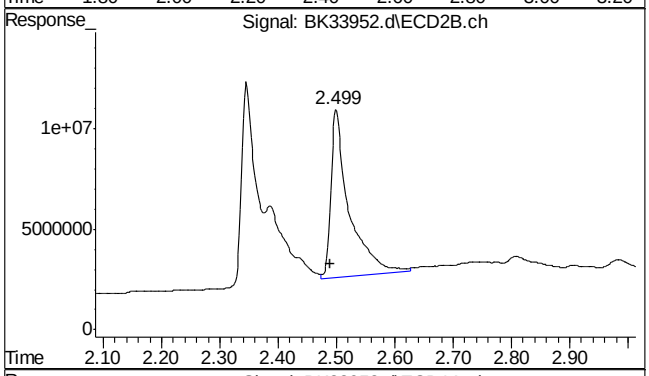






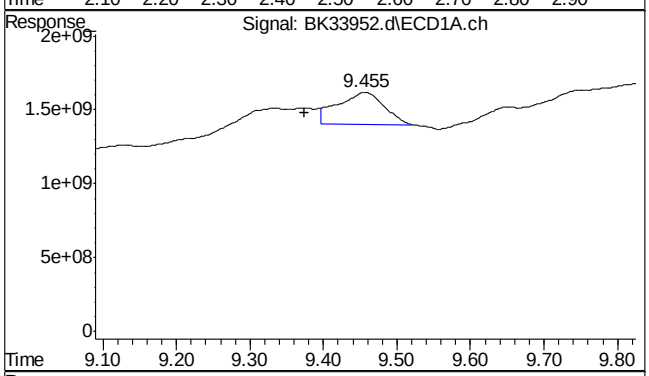
#1 TCMX

R.T.: 2.425 min
Delta R.T.: -0.004 min
Response: 8970317988
Conc: 44.53 ppb m



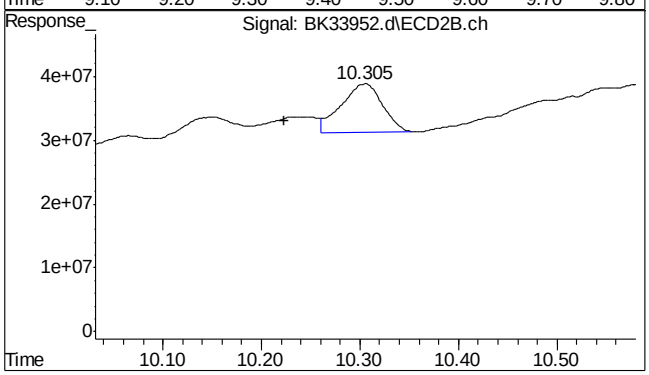
#1 TCMX

R.T.: 2.499 min
Delta R.T.: 0.010 min
Response: 181655244
Conc: 28.27 ppb m



#13 DCB

R.T.: 9.455 min
Delta R.T.: 0.081 min
Response: 9833877344
Conc: 42.36 ppb m



#13 DCB

R.T.: 10.305 min
Delta R.T.: 0.082 min
Response: 223033361
Conc: 37.85 ppb m

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140111\
Data File : bc659561.d
Signal(s) : FID1A.CH
Acq On : 11-Jan-14, 10:14:44
Operator : kimmien
Sample : op36494-mb
Misc : op36494,gbc3562,1.0,,,1,,
ALS Vial : 72 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:13:50 2014
Quant Method : C:\msdchem\1\methods\FGF140113.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1) I	5a-Androstane	0.000	0	N.D.	µg/mLd
	Target Compounds				
2)	C-8	0.000	0	N.D.	µg/mLd
3)	C-9	0.000	0	N.D.	µg/mLd
4)	C-10	0.000	0	N.D.	µg/mLd
5)	C-11	0.000	0	N.D.	µg/mLd
6)	C-12	0.000	0	N.D.	µg/mLd
7)	C-13	0.000	0	N.D.	µg/mLd
8)	C-14	0.000	0	N.D.	µg/mLd
9)	C-15	0.000	0	N.D.	µg/mLd
10)	C-16	0.000	0	N.D.	µg/mLd
11)	C-17	0.000	0	N.D.	µg/mLd
12)	C-18	0.000	0	N.D.	µg/mLd
13)	C-19	0.000	0	N.D.	µg/mLd
14)	C-20	0.000	0	N.D.	µg/mLd
15)	C-21	0.000	0	N.D.	µg/mLd
16)	C-22	0.000	0	N.D.	µg/mLd
17)	C-23	0.000	0	N.D.	µg/mLd
18)	C-24	0.000	0	N.D.	µg/mLd
19)	C-25	0.000	0	N.D.	µg/mLd
20)	C-26	0.000	0	N.D.	µg/mLd
21)	C-27	0.000	0	N.D.	µg/mLd
22)	C-28	0.000	0	N.D.	µg/mLd
23)	C-29	0.000	0	N.D.	µg/mLd
24)	C-30	0.000	0	N.D.	µg/mLd
25)	C-31	0.000	0	N.D.	µg/mLd
26)	C-32	0.000	0	N.D.	µg/mLd
27)	C-33	0.000	0	N.D.	µg/mLd
28)	C-34	0.000	0	N.D.	µg/mLd
29)	C-35	0.000	0	N.D.	µg/mLd
30)	C-36	0.000	0	N.D.	µg/mLd
31)	C-37	0.000	0	N.D.	µg/mLd
32)	C-38	0.000	0	N.D.	µg/mLd
33)	C-39	0.000	0	N.D.	µg/mLd
34)	C-40	0.000	0	N.D.	µg/mLd
35) H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd
	SemiQuant Compounds - Not Calibrated on this Instrument				

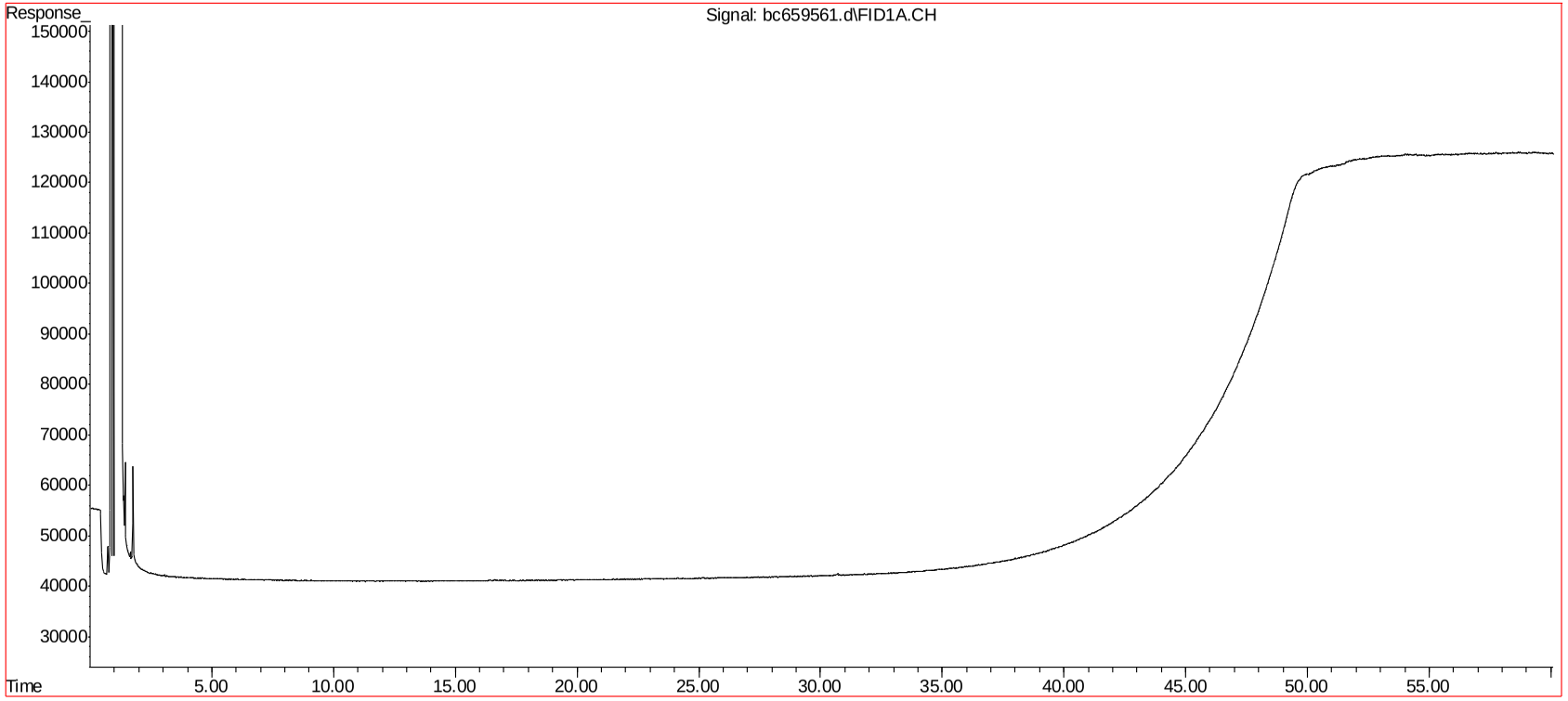
(f)=RT Delta > 1/2 Window (m)=manual int.

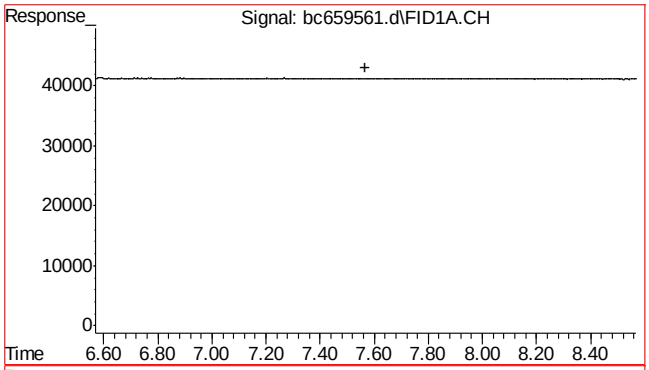
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140111\
Data File : bc659561.d
Signal(s) : FID1A.CH
Acq On : 11-Jan-14, 10:14:44
Operator : kimmien
Sample : op36494-mb
Misc : op36494,gbc3562,1.0,,,1,,
ALS Vial : 72 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:13:50 2014
Quant Method : C:\msdchem\1\methods\FGF140113.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

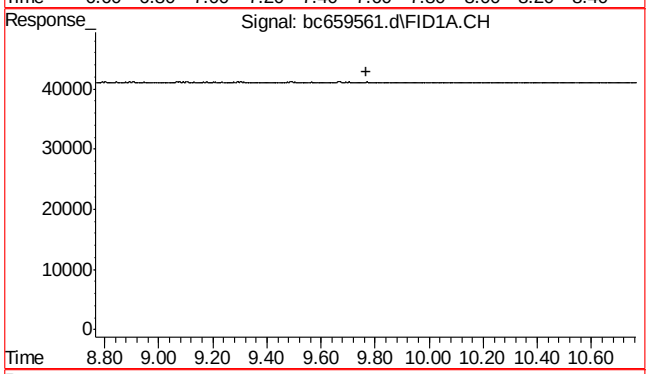
Volume Inj. :
Signal Phase :
Signal Info :





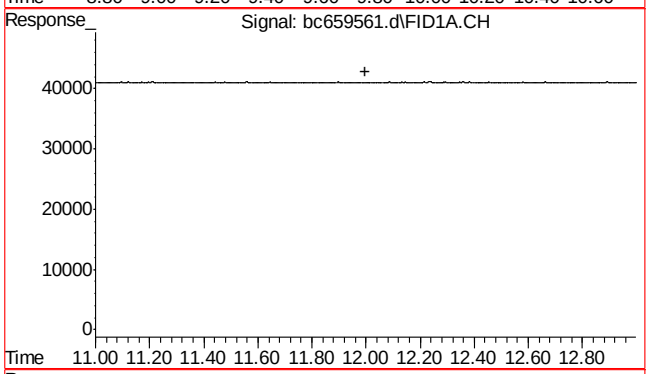
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



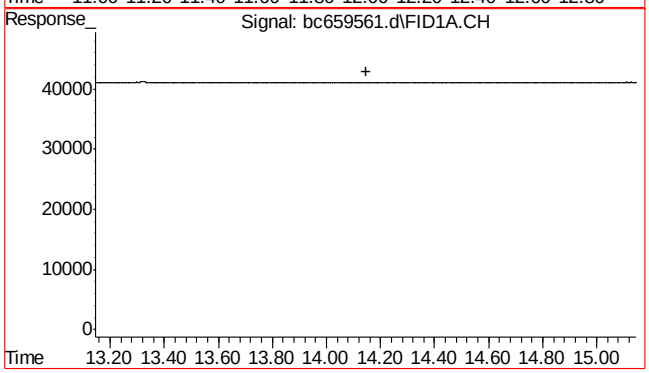
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



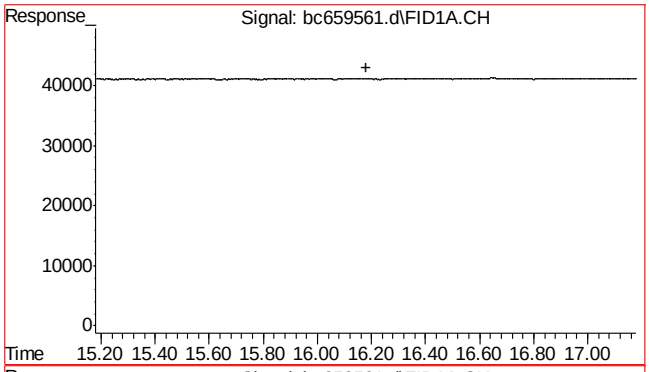
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



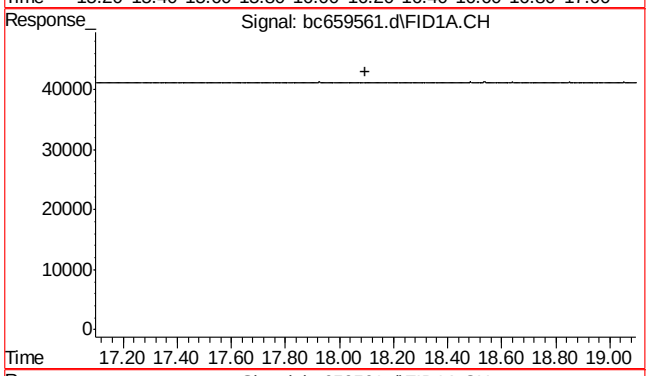
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



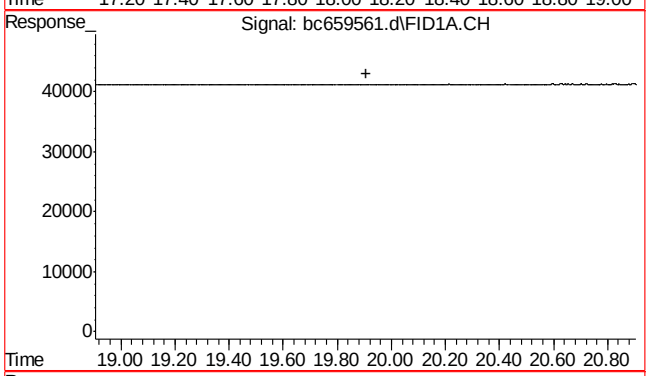
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



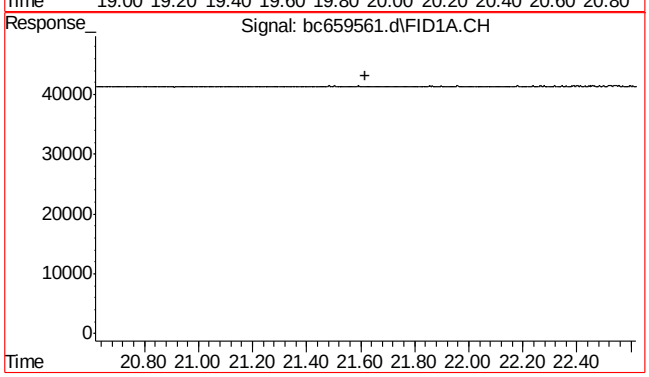
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



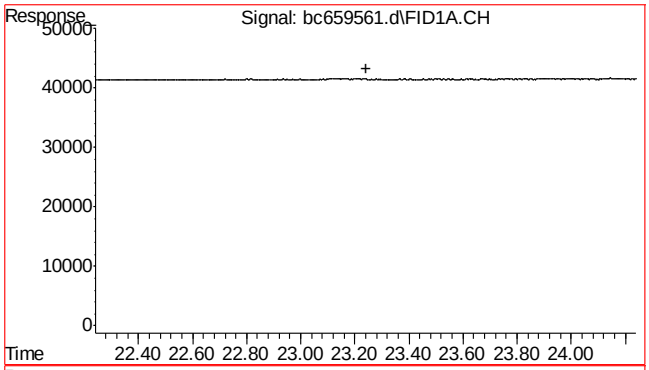
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



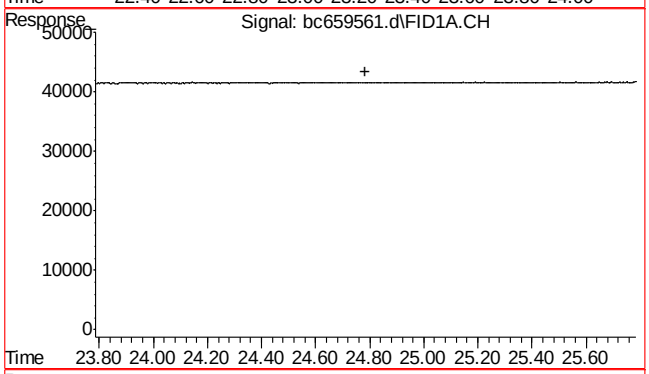
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



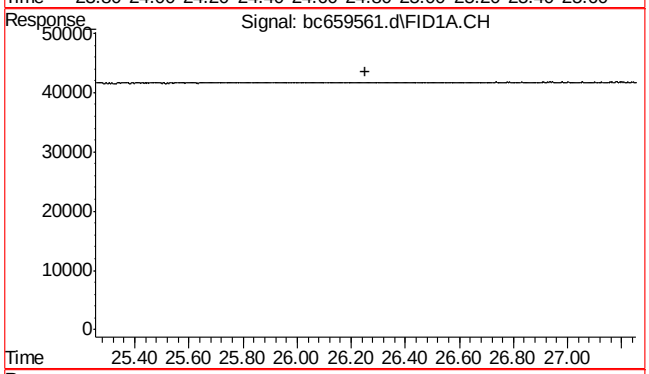
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



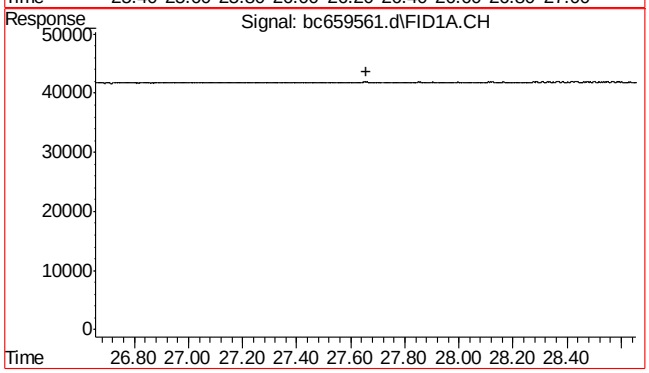
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



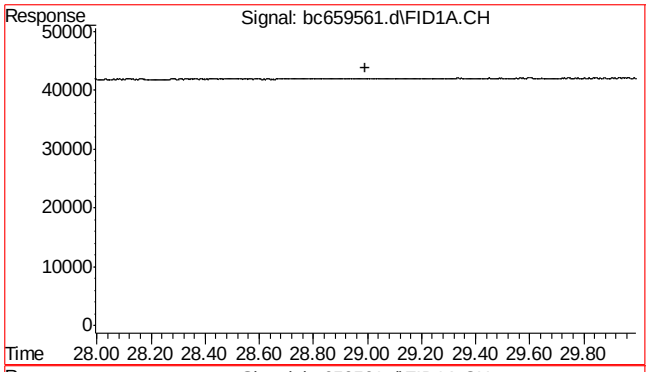
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



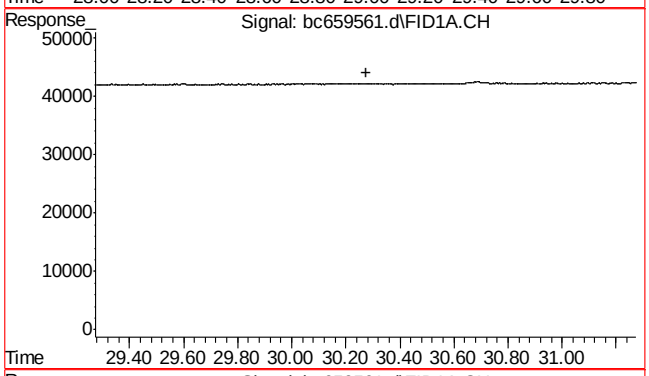
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



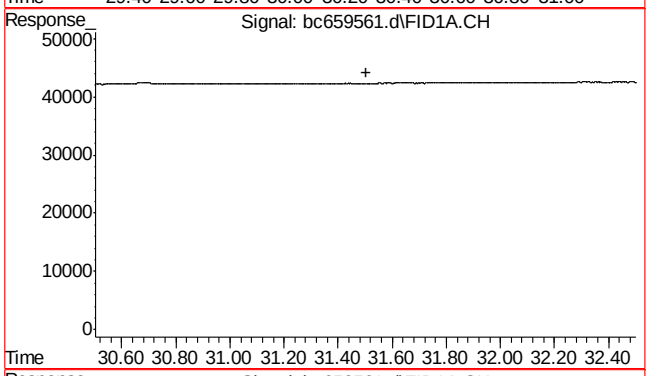
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



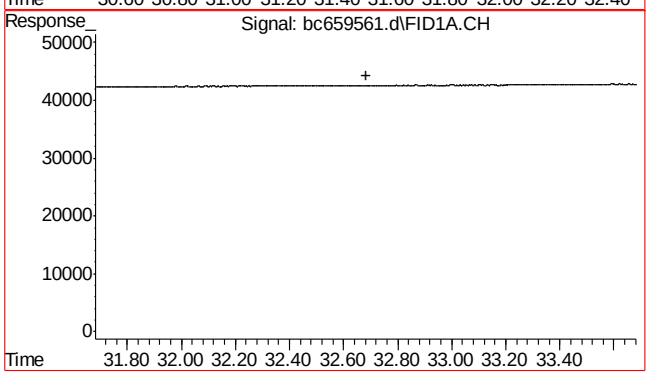
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



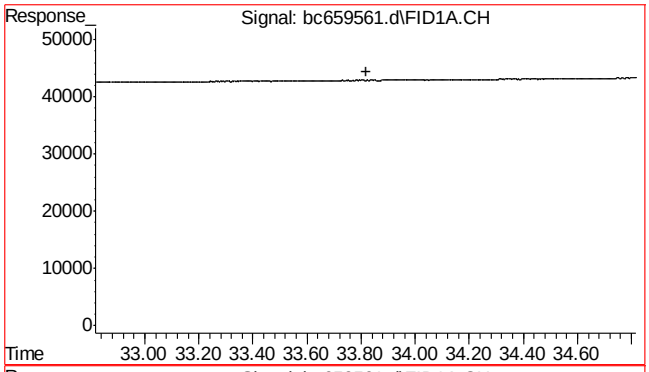
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



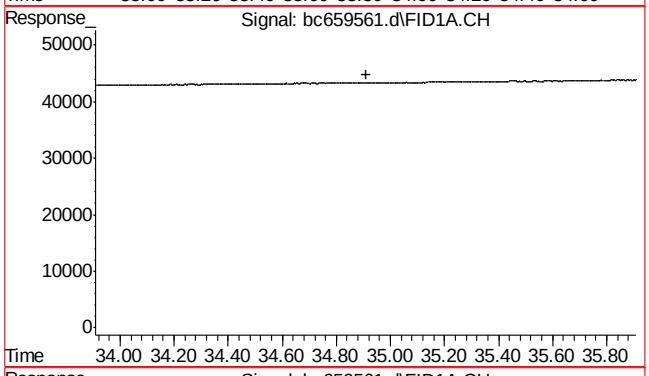
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



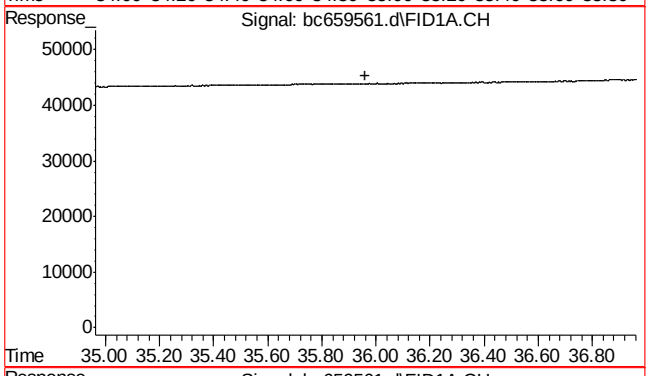
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



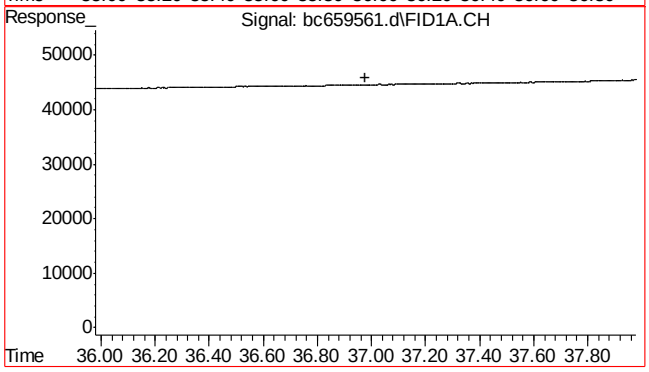
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



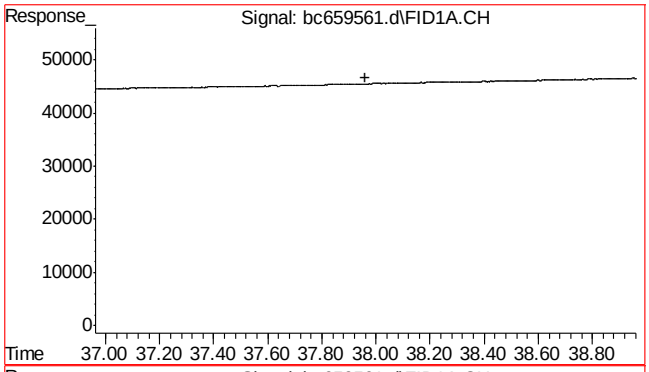
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



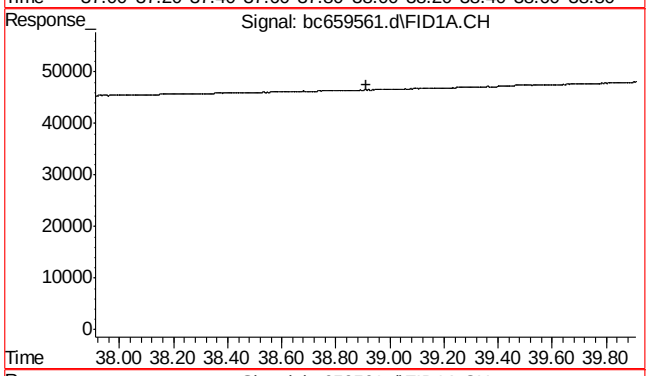
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



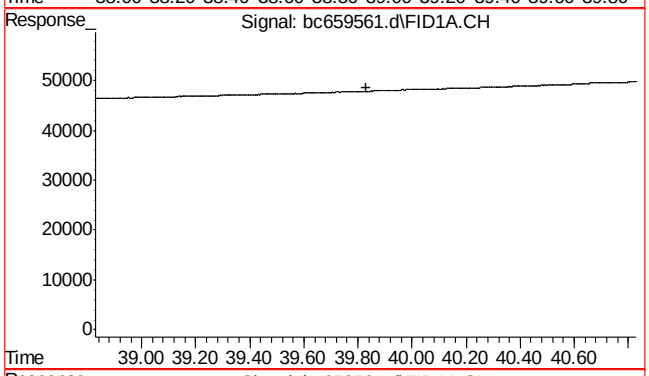
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



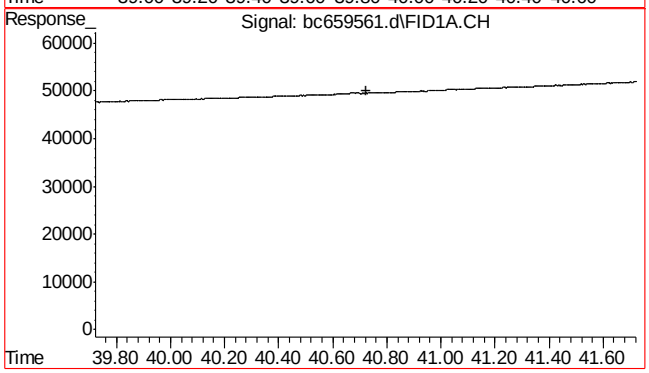
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



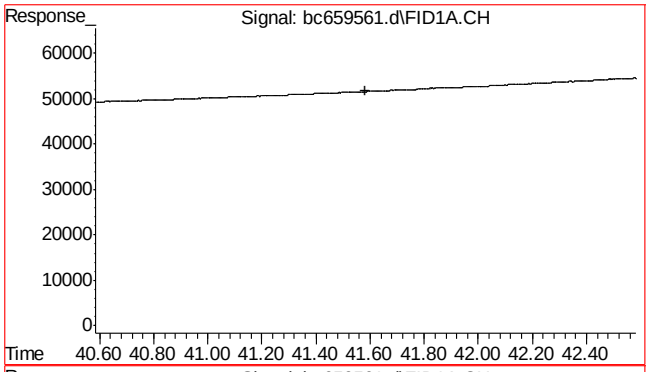
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



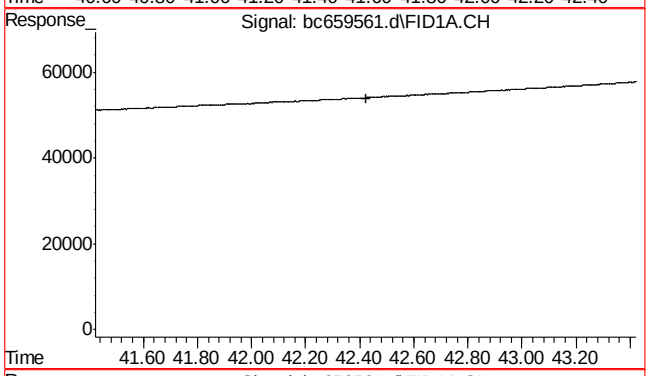
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



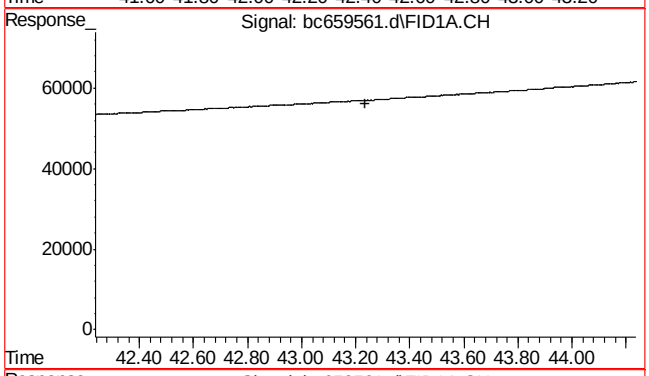
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



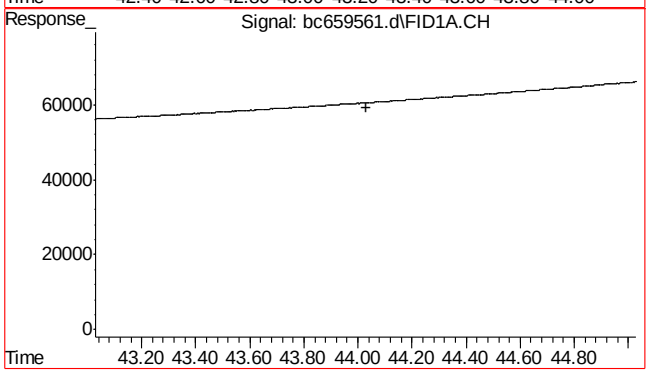
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



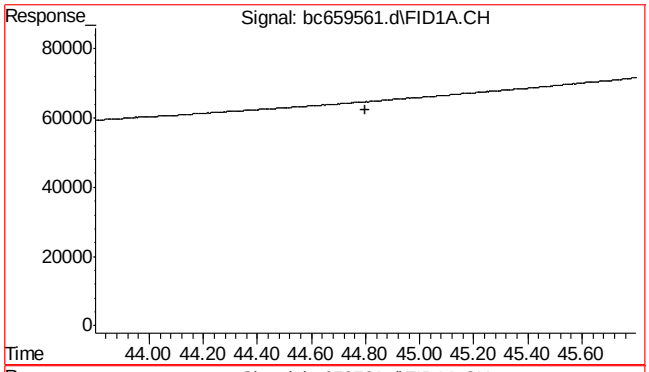
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



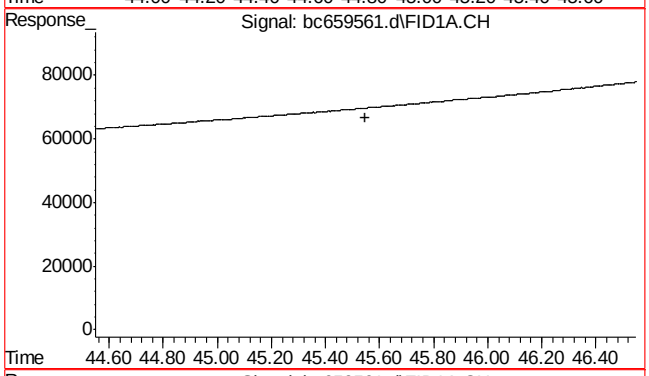
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



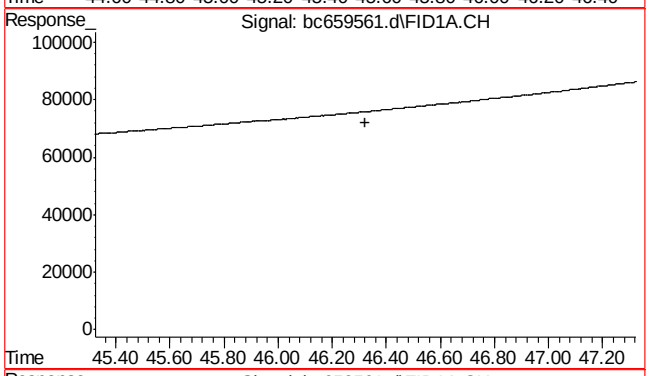
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



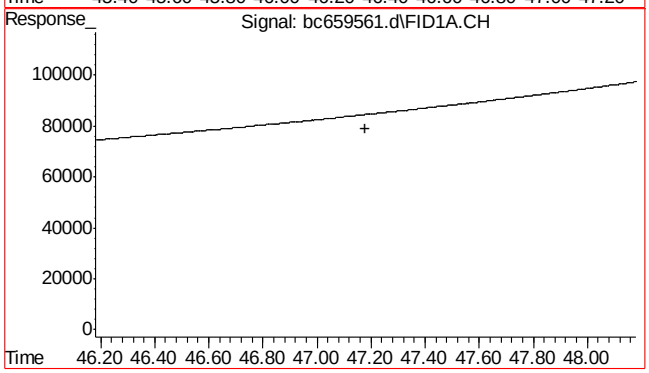
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



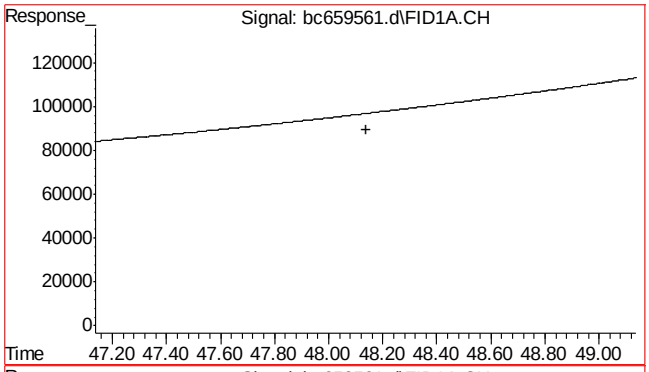
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



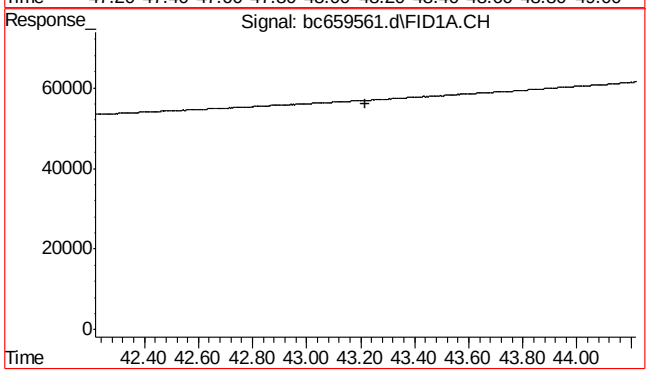
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140115\
Data File : BK33948.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jan 2014 10:03 am
Operator : nickk
Sample : op36491-mb
Misc : op36491,gbk1114,1.0249,,,10,,o
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 15:44:00 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Wed Jan 15 08:45:58 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.468	2.531	6491.2E6	176.1E6	32.222	27.405
	Spiked Amount 40.000			Recovery	=	80.55%	68.51%
13) s	DCB	9.403	10.243	7865.7E6	179.7E6	33.879	30.494
	Spiked Amount 40.000			Recovery	=	84.70%	76.23%
	Target Compounds						

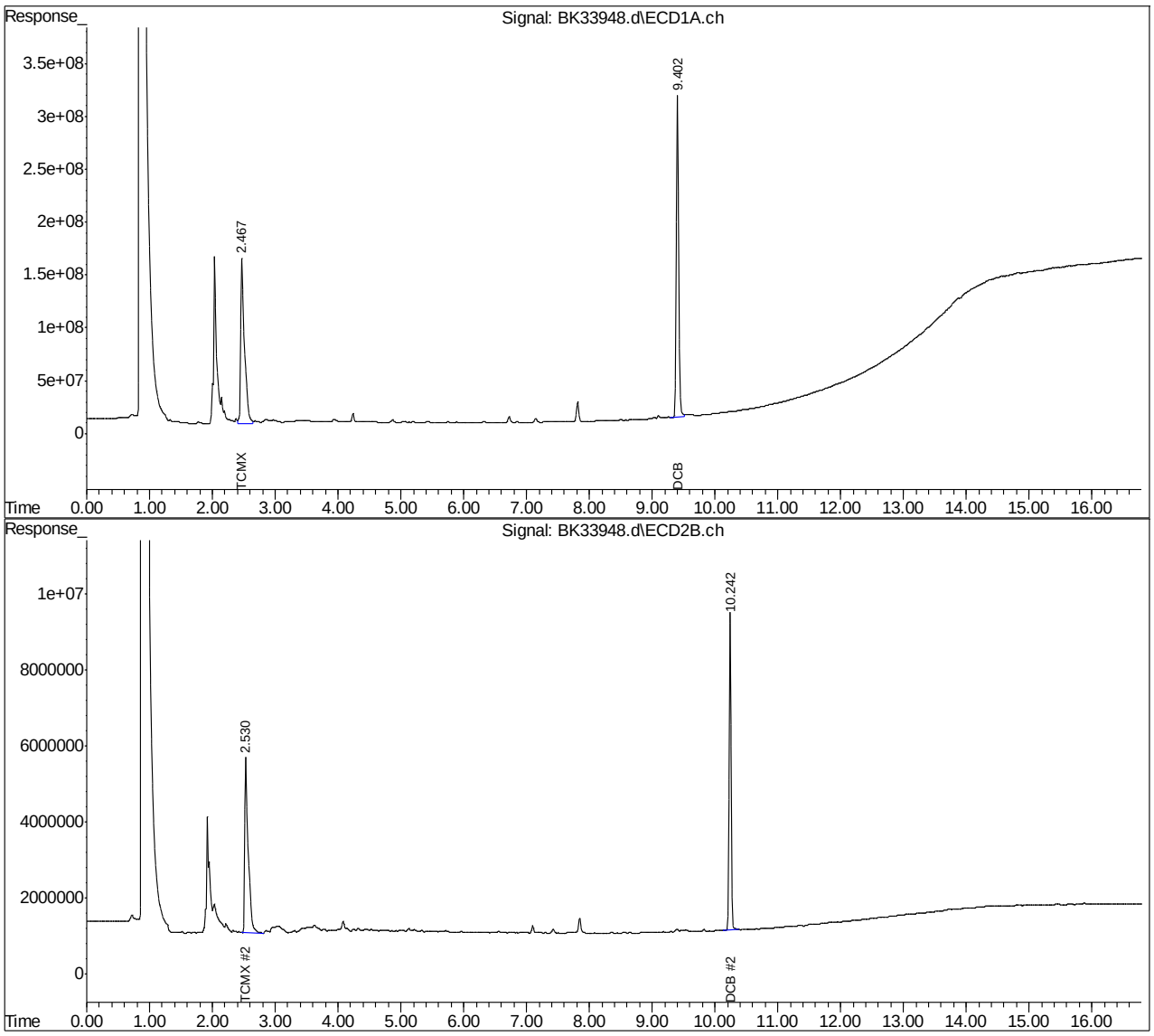
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

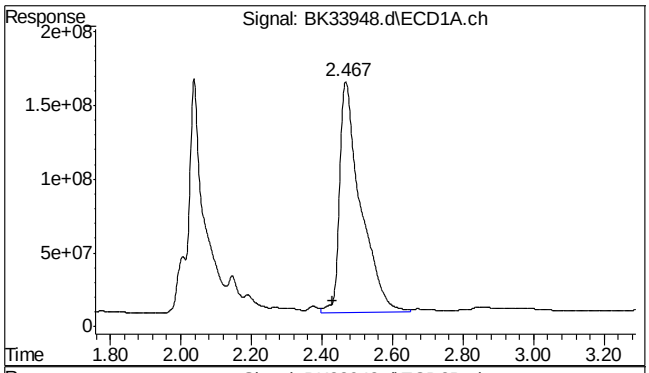
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140115\
Data File : BK33948.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jan 2014 10:03 am
Operator : nickk
Sample : op36491-mb
Misc : op36491,gbk1114,1.0249,,,10,,o
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 15:44:00 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Wed Jan 15 08:45:58 2014
Response via : Initial Calibration
Integrator: ChemStation

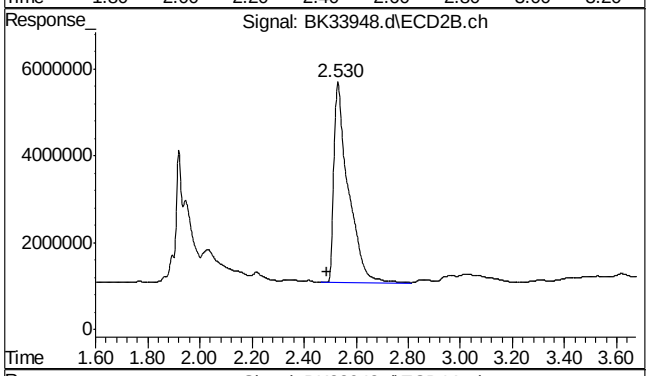
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





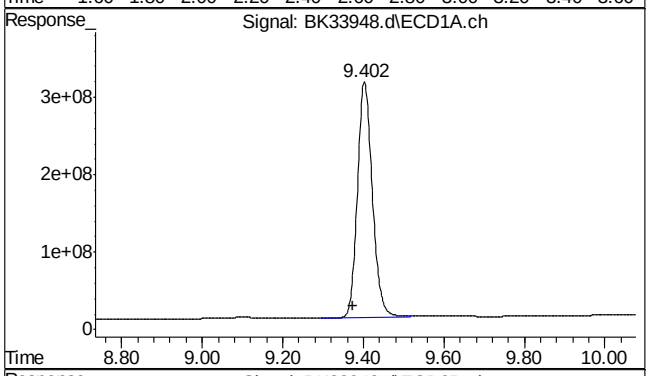
#1 TCMX

R.T.: 2.468 min
Delta R.T.: 0.039 min
Response: 6491158221
Conc: 32.22 ppb



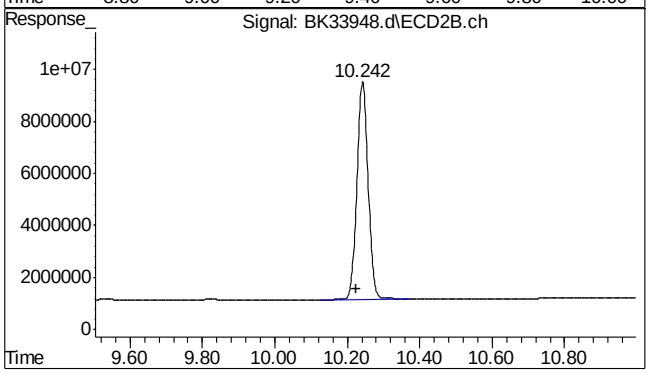
#1 TCMX

R.T.: 2.531 min
Delta R.T.: 0.042 min
Response: 176107198
Conc: 27.40 ppb



#13 DCB

R.T.: 9.403 min
Delta R.T.: 0.028 min
Response: 7865696595
Conc: 33.88 ppb



#13 DCB

R.T.: 10.243 min
Delta R.T.: 0.020 min
Response: 179665405
Conc: 30.49 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
01/16/14 10:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140115\
Data File : BK33949.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jan 2014 10:22 am
Operator : nickk
Sample : op36491-bs
Misc : op36491,gbk1114,1.1386,,,10,,o
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 15:45:51 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Wed Jan 15 08:45:58 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.449	2.526	6794.0E6	174.6E6	33.725	27.169
	Spiked Amount 40.000			Recovery	=	84.31%	67.92%
13) s	DCB	9.379	10.233	7505.1E6	169.8E6	32.326	28.813
	Spiked Amount 40.000			Recovery	=	80.81%	72.03%
	Target Compounds						
2)	AR1016-A	2.746	2.940	1371.5E6	40261193	293.161m	332.002m
3)	AR1016-B	3.080	3.329f	2062.9E6	60156588	259.756	252.197
4)	AR1016-C	3.530f	3.783f	5037.2E6	114.8E6	298.328	253.381m
5)	AR1016-D	3.668f	3.928f	2710.0E6	45265842	249.425m	244.583m
6)	AR1016-E	4.093f	4.042f	1661.7E6	36732832	241.820m	268.752m
7)	AR1260-A	5.540f	6.047f	2471.4E6	65474503	223.532m	217.325
8)	AR1260-B	5.909f	6.337f	4643.6E6	78380312	228.338m	223.857m
9)	AR1260-C	6.289	6.850f	8282.0E6	196.6E6	237.007m	222.507m
10)	AR1260-D	7.247	7.801	6318.0E6	149.4E6	252.297m	230.612
11)	AR1260-E	7.667	8.366	6299.8E6	149.1E6	238.210m	233.427m
12)	AR1260-F	8.625	9.287	1759.4E6	44940221	263.522	250.727

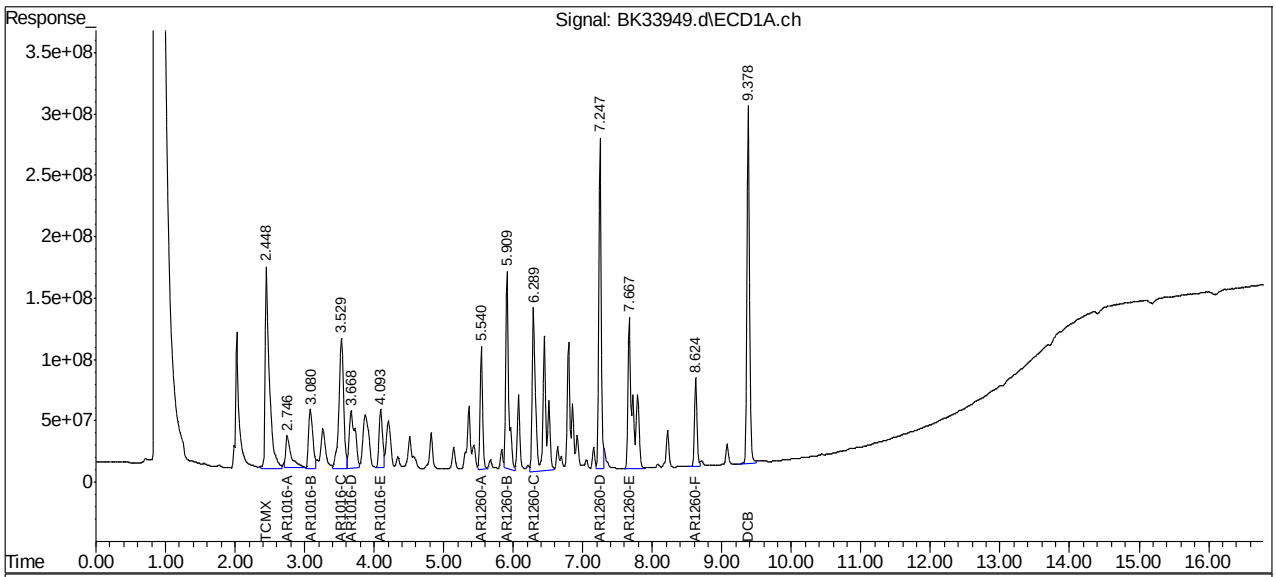
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

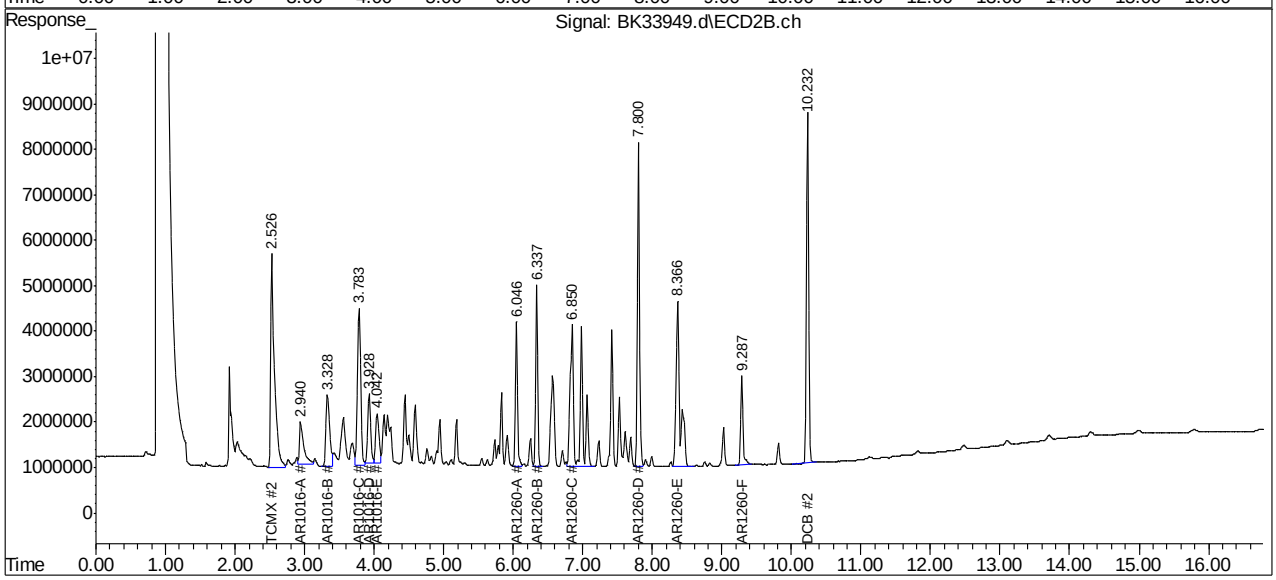
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140115\
Data File : BK33949.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jan 2014 10:22 am
Operator : nickk
Sample : op36491-bs
Misc : op36491,gbk1114,1.1386,,,10,,o
ALS Vial : 2 Sample Multiplier: 1

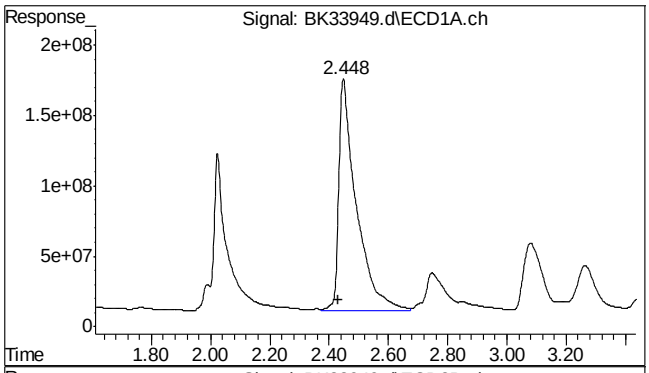
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 15:45:51 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Wed Jan 15 08:45:58 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



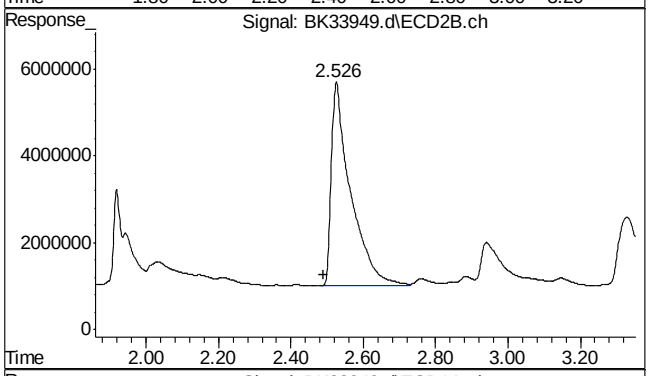


ACCUTEST LABORATORIES MC27551



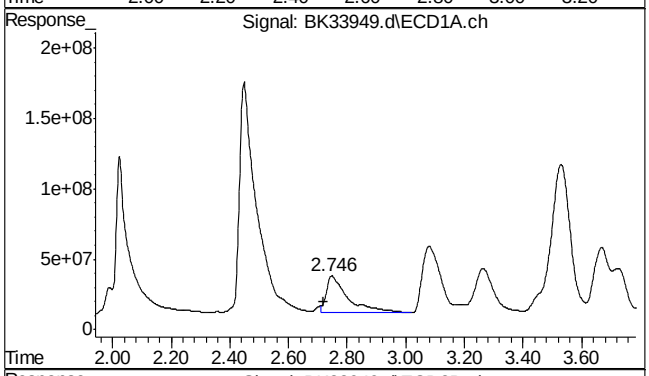
#1 TCMX

R.T.: 2.449 min
Delta R.T.: 0.020 min
Response: 6794038489
Conc: 33.73 ppb



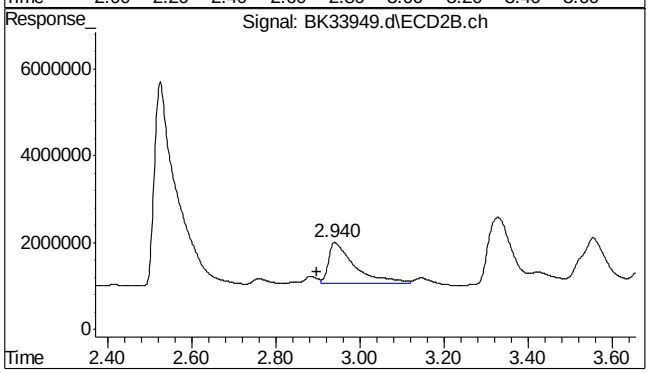
#1 TCMX

R.T.: 2.526 min
Delta R.T.: 0.037 min
Response: 174593296
Conc: 27.17 ppb



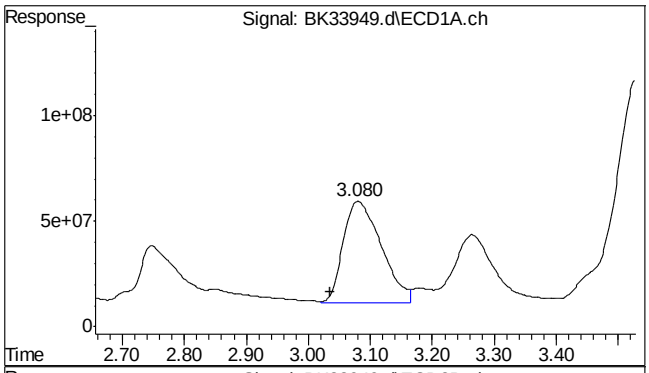
#2 AR1016-A

R.T.: 2.746 min
Delta R.T.: 0.027 min
Response: 1371525572
Conc: 293.16 ppb m



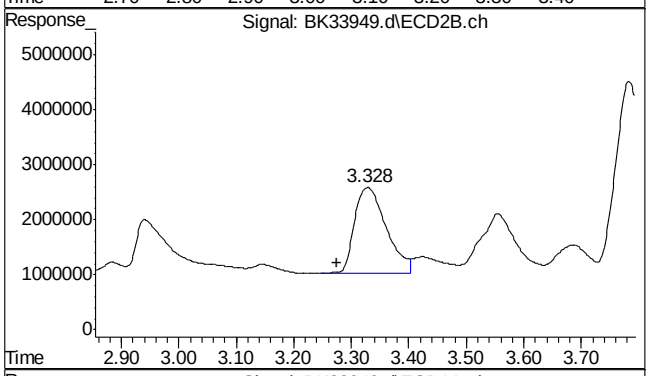
#2 AR1016-A

R.T.: 2.940 min
Delta R.T.: 0.043 min
Response: 40261193
Conc: 332.00 ppb m



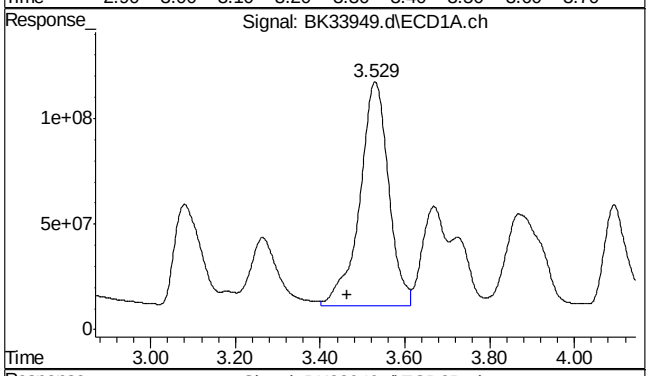
#3 AR1016-B

R.T.: 3.080 min
Delta R.T.: 0.045 min
Response: 2062880360
Conc: 259.76 ppb



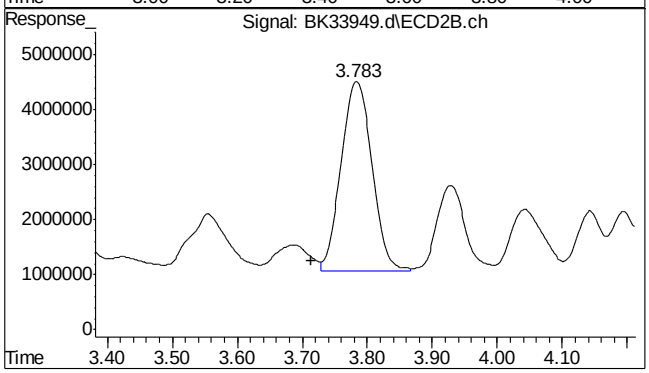
#3 AR1016-B

R.T.: 3.329 min
Delta R.T.: 0.053 min
Response: 60156588
Conc: 252.20 ppb



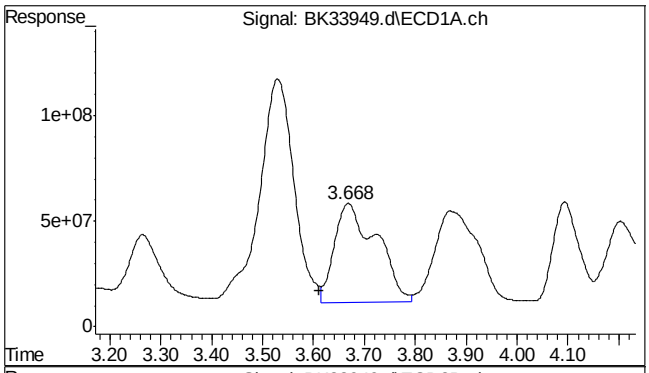
#4 AR1016-C

R.T.: 3.530 min
Delta R.T.: 0.065 min
Response: 5037151735
Conc: 298.33 ppb



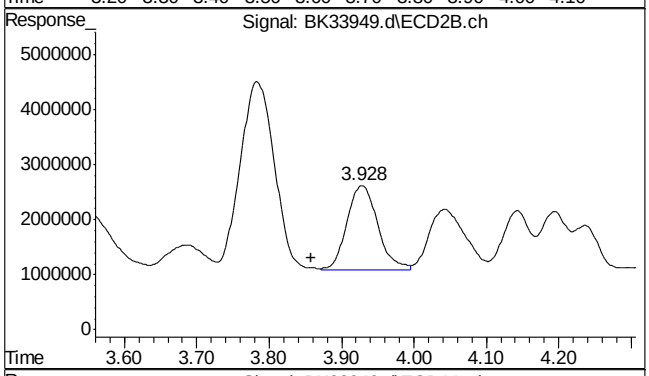
#4 AR1016-C

R.T.: 3.783 min
Delta R.T.: 0.069 min
Response: 114783443
Conc: 253.38 ppb m



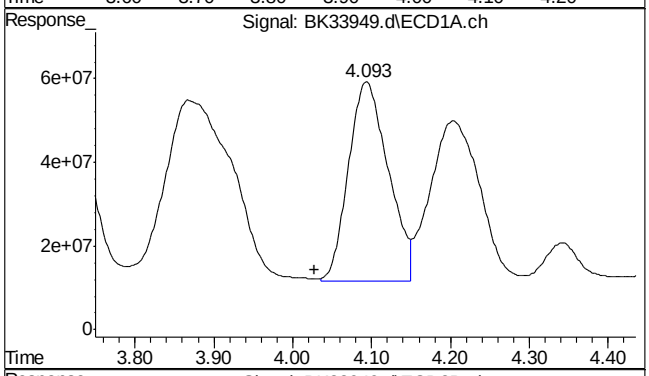
#5 AR1016-D

R.T.: 3.668 min
Delta R.T.: 0.058 min
Response: 2710030374
Conc: 249.43 m



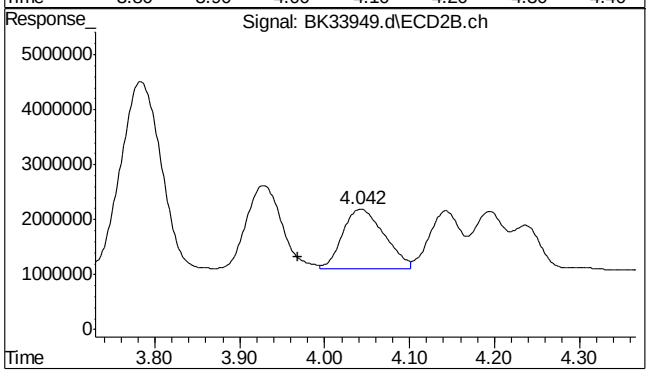
#5 AR1016-D

R.T.: 3.928 min
Delta R.T.: 0.070 min
Response: 45265842
Conc: 244.58 m



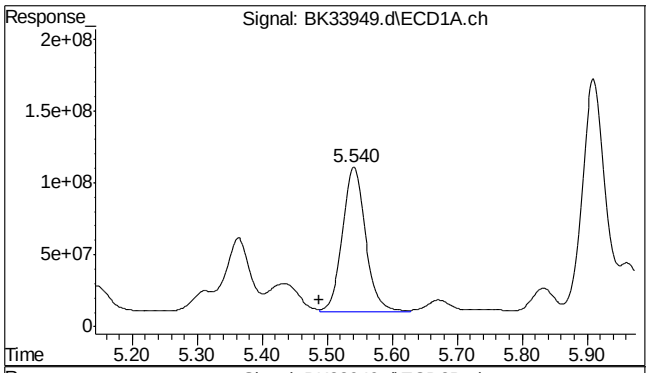
#6 AR1016-E

R.T.: 4.093 min
Delta R.T.: 0.065 min
Response: 1661710826
Conc: 241.82 m



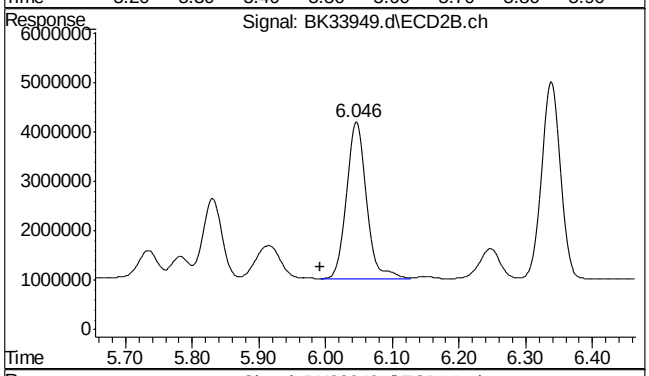
#6 AR1016-E

R.T.: 4.042 min
Delta R.T.: 0.074 min
Response: 36732832
Conc: 268.75 m



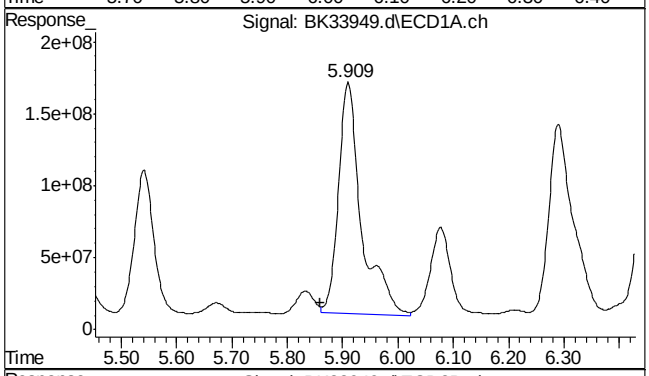
#7 AR1260-A

R.T.: 5.540 min
Delta R.T.: 0.053 min
Response: 2471438719
Conc: 223.53 ppb m



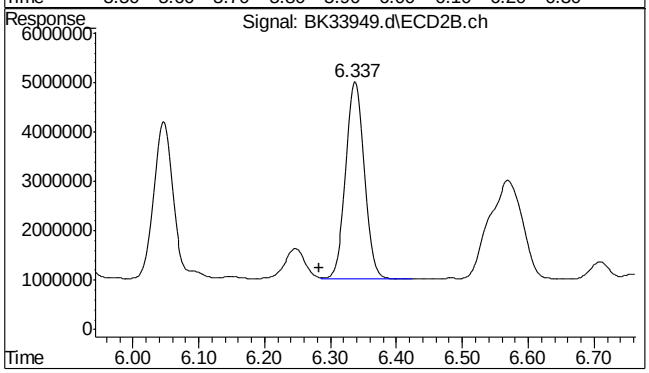
#7 AR1260-A

R.T.: 6.047 min
Delta R.T.: 0.055 min
Response: 65474503
Conc: 217.33 ppb



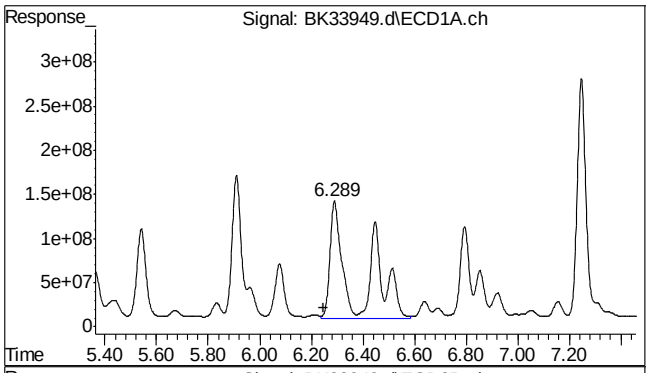
#8 AR1260-B

R.T.: 5.909 min
Delta R.T.: 0.050 min
Response: 4643593685
Conc: 228.34 ppb m



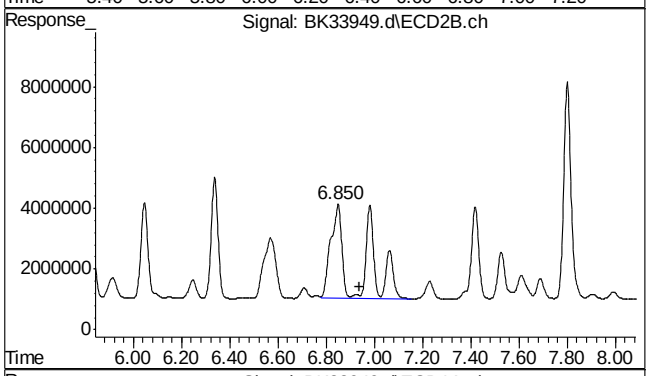
#8 AR1260-B

R.T.: 6.337 min
Delta R.T.: 0.055 min
Response: 78380312
Conc: 223.86 ppb m



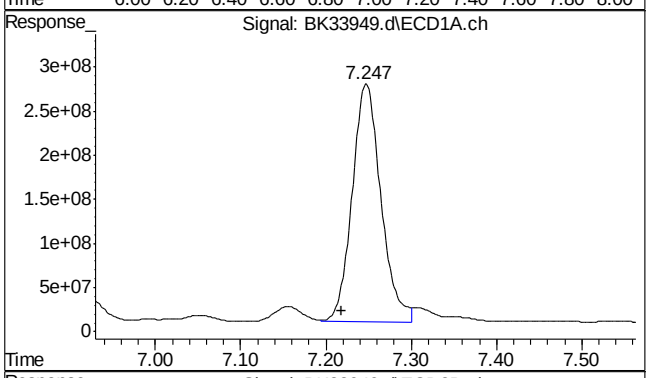
#9 AR1260-C

R.T.: 6.289 min
Delta R.T.: 0.043 min
Response: 8281950735
Conc: 237.01 ppb m



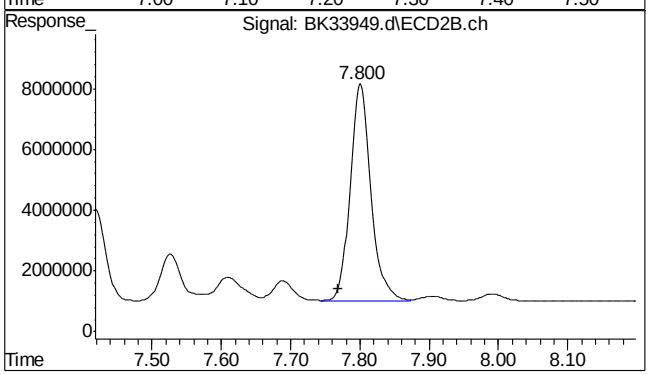
#9 AR1260-C

R.T.: 6.850 min
Delta R.T.: -0.088 min
Response: 196609839
Conc: 222.51 ppb m



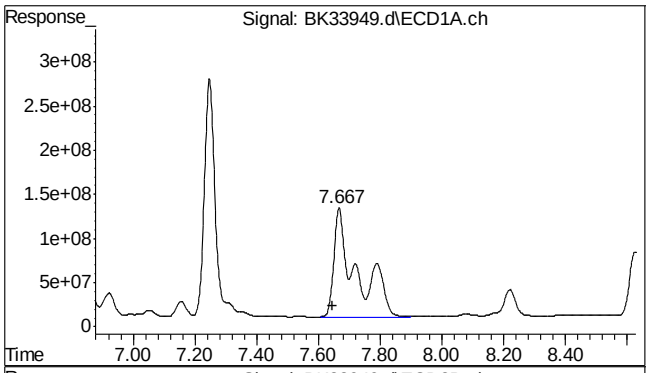
#10 AR1260-D

R.T.: 7.247 min
Delta R.T.: 0.028 min
Response: 6317954203
Conc: 252.30 ppb m



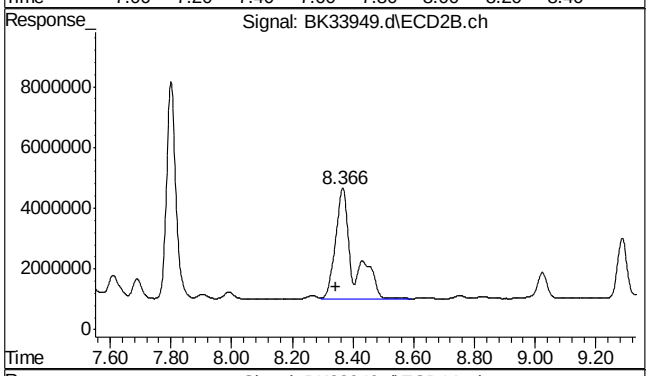
#10 AR1260-D

R.T.: 7.801 min
Delta R.T.: 0.032 min
Response: 149368353
Conc: 230.61 ppb



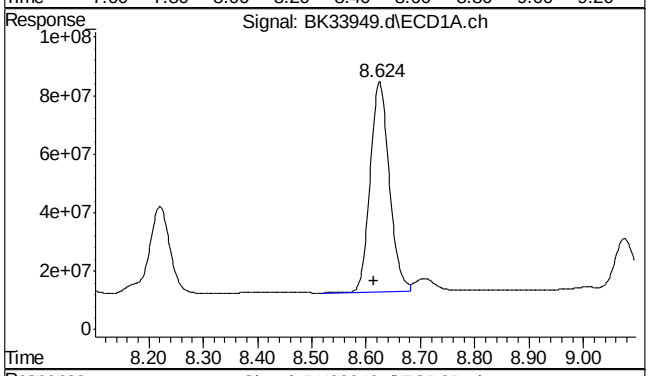
#11 AR1260-E

R.T.: 7.667 min
Delta R.T.: 0.021 min
Response: 6299768941
Conc: 238.21 ppb m



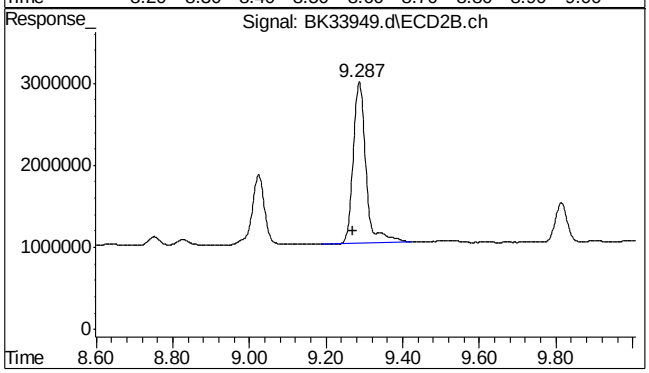
#11 AR1260-E

R.T.: 8.366 min
Delta R.T.: 0.023 min
Response: 149083385
Conc: 233.43 ppb m



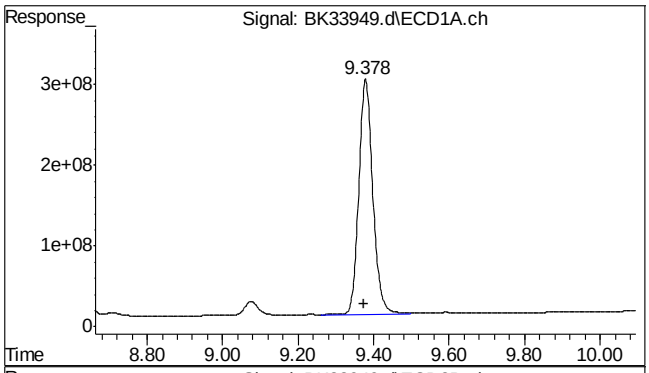
#12 AR1260-F

R.T.: 8.625 min
Delta R.T.: 0.011 min
Response: 1759390888
Conc: 263.52



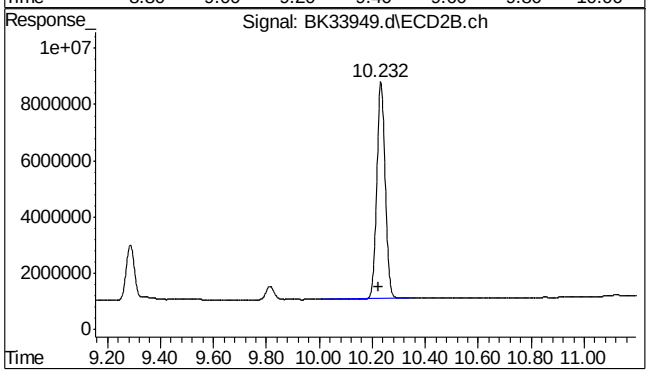
#12 AR1260-F

R.T.: 9.287 min
Delta R.T.: 0.017 min
Response: 44940221
Conc: 250.73



#13 DCB

R.T.: 9.379 min
Delta R.T.: 0.004 min
Response: 7505091980
Conc: 32.33 ppb



#13 DCB

R.T.: 10.233 min
Delta R.T.: 0.010 min
Response: 169760329
Conc: 28.81 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
01/16/14 10:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140115\
Data File : BK33950.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jan 2014 10:41 am
Operator : nickk
Sample : op36491-ms
Misc : op36491,gbk1114,1.0293,,,10,,o
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 15:50:10 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Wed Jan 15 08:45:58 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.425	2.499	9191.3E6	214.5E6	45.625m	33.380 #
	Spiked Amount 40.000			Recovery	= 114.06%	83.45%	
13) s	DCB	9.474f	10.311f	11815.2E6	190.5E6	50.891m	32.332m#
	Spiked Amount 40.000			Recovery	= 127.23%	80.83%	
	Target Compounds						
2)	AR1016-A	2.714	2.906	1688.3E6	30622125	360.866	252.516 #
3)	AR1016-B	3.026	3.279	4452.6E6	67631416	560.663	283.534 #
4)	AR1016-C	3.461	3.727	5883.5E6	136.3E6	348.452	300.966
5)	AR1016-D	3.612	3.871	3581.8E6	49282098	329.659m	266.284
6)	AR1016-E	4.023	3.982	2208.5E6	60162488	321.385m	440.173 #
7)	AR1260-A	5.518	6.033	3746.1E6	118.3E6	338.823m	392.728m
8)	AR1260-B	5.907	6.336f	10764.8E6	80145872	529.332m	228.899m#
9)	AR1260-C	6.295	6.860f	11259.1E6	380.0E6	322.204m	430.077m#
10)	AR1260-D	7.286f	7.837f	7409.3E6	169.6E6	295.879m	261.815m
11)	AR1260-E	0.000	8.408f	0	157.8E6	N.D. d	247.054m

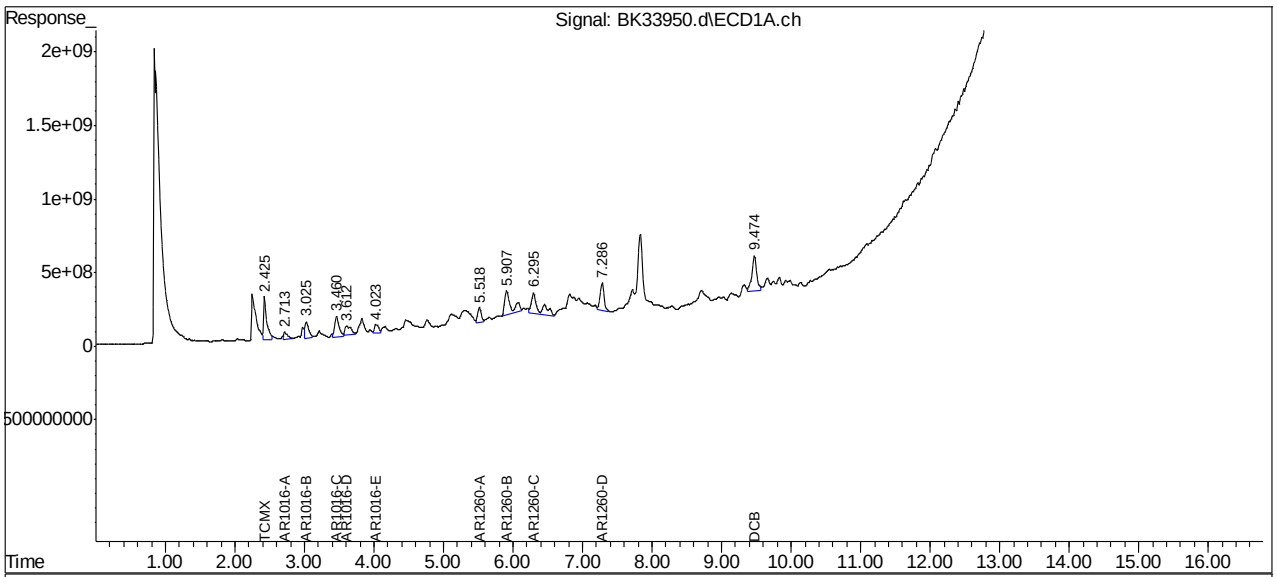
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

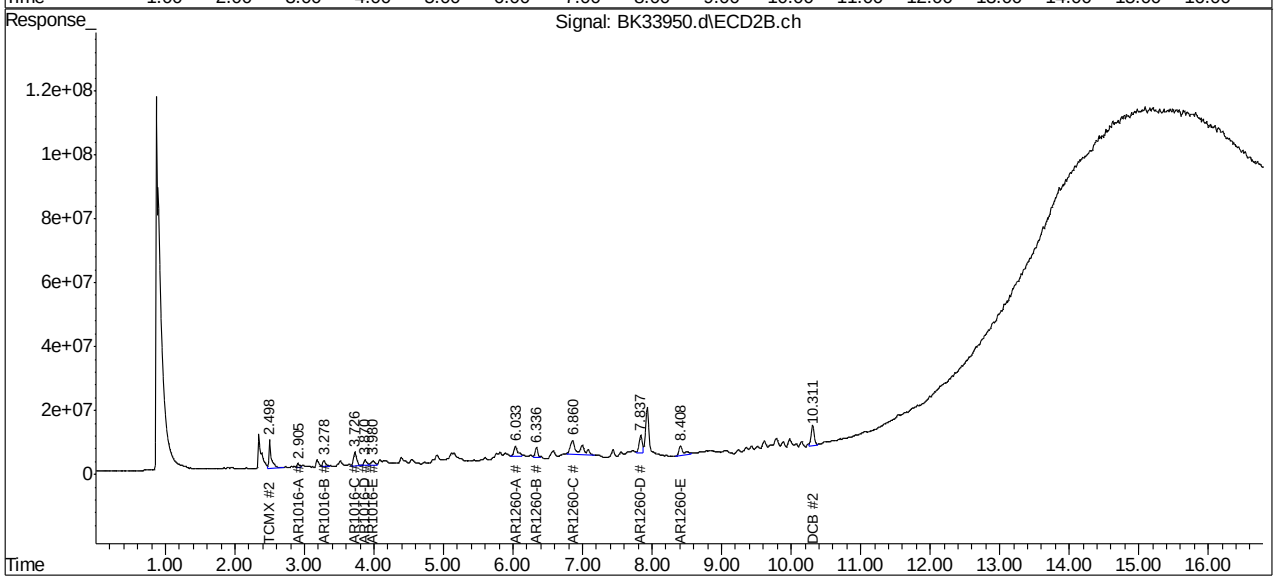
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140115\
Data File : BK33950.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jan 2014 10:41 am
Operator : nickk
Sample : op36491-ms
Misc : op36491,gbk1114,1.0293,,,10,,o
ALS Vial : 3 Sample Multiplier: 1

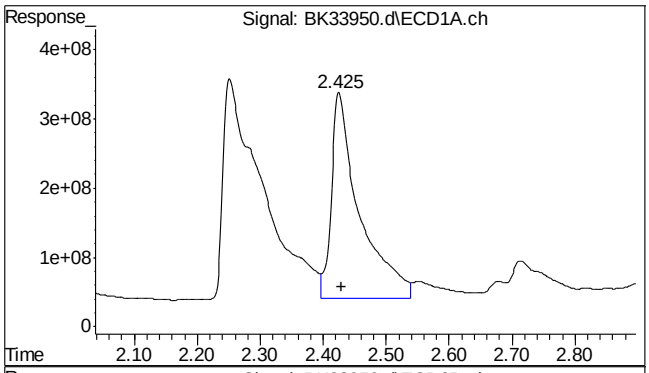
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 15:50:10 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Wed Jan 15 08:45:58 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



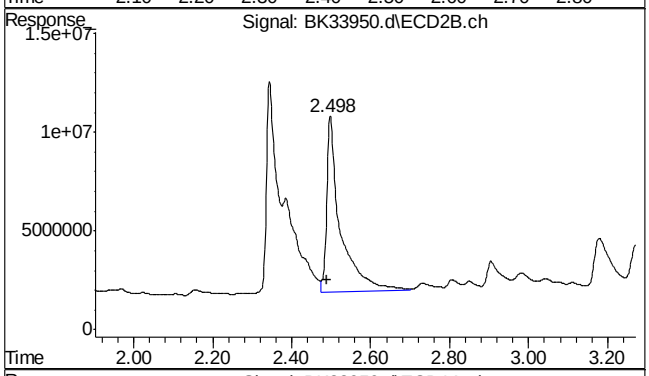


ACCUTEST LABORATORIES MC27551



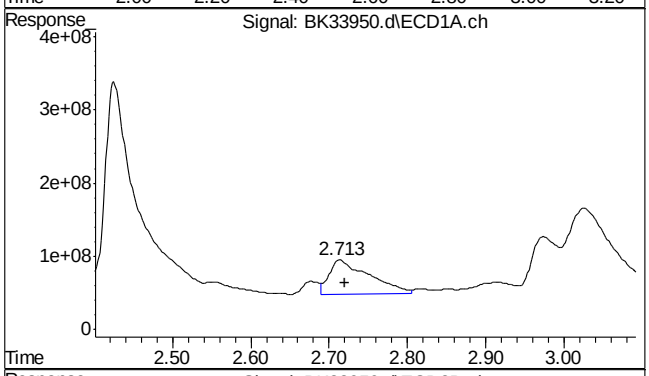
#1 TCMX

R.T.: 2.425 min
Delta R.T.: -0.004 min
Response: 9191256093
Conc: 45.63 ppb m



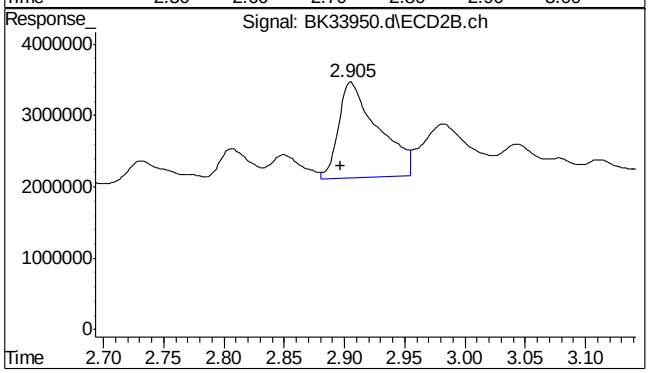
#1 TCMX

R.T.: 2.499 min
Delta R.T.: 0.009 min
Response: 214503093
Conc: 33.38 ppb



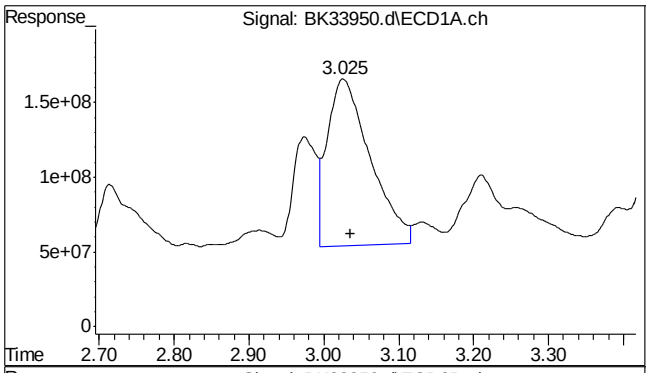
#2 AR1016-A

R.T.: 2.714 min
Delta R.T.: -0.006 min
Response: 1688279363
Conc: 360.87 ppb



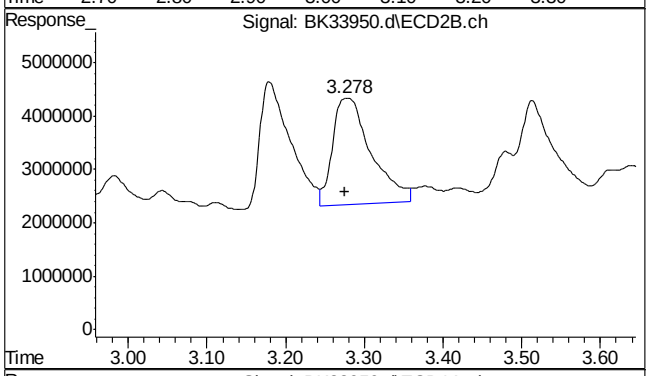
#2 AR1016-A

R.T.: 2.906 min
Delta R.T.: 0.009 min
Response: 30622125
Conc: 252.52 ppb



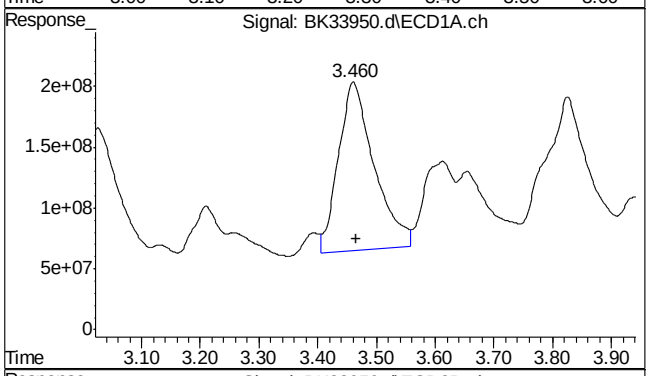
#3 AR1016-B

R.T.: 3.026 min
Delta R.T.: -0.010 min
Response: 4452568747
Conc: 560.66 ppb



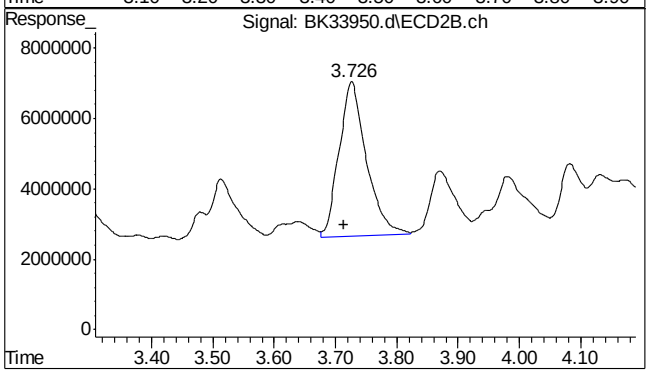
#3 AR1016-B

R.T.: 3.279 min
Delta R.T.: 0.003 min
Response: 67631416
Conc: 283.53 ppb



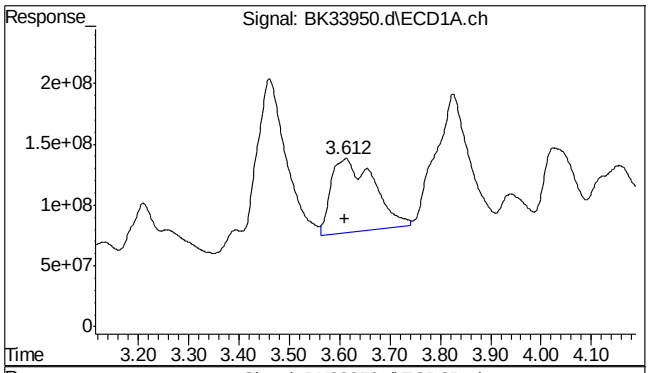
#4 AR1016-C

R.T.: 3.461 min
Delta R.T.: -0.004 min
Response: 5883472983
Conc: 348.45 ppb



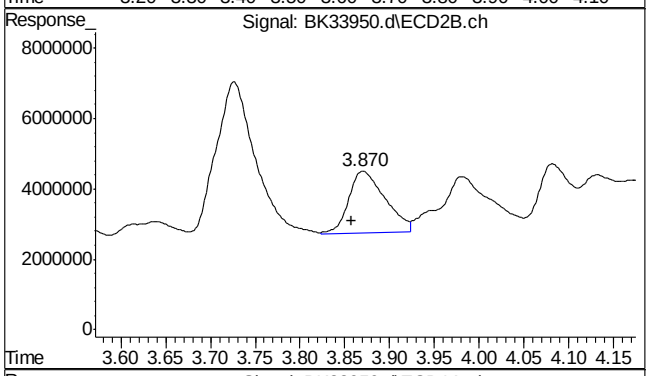
#4 AR1016-C

R.T.: 3.727 min
Delta R.T.: 0.013 min
Response: 136339615
Conc: 300.97 ppb



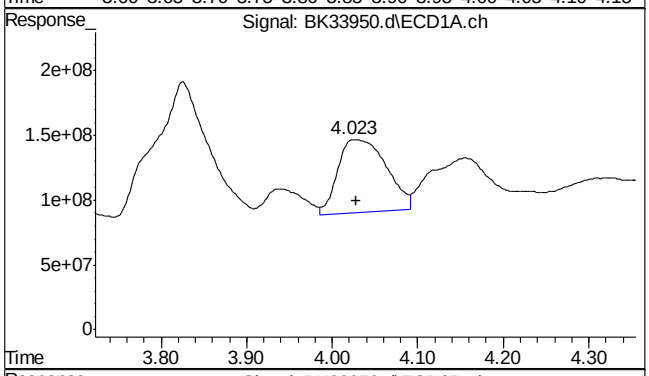
#5 AR1016-D

R.T.: 3.612 min
Delta R.T.: 0.002 min
Response: 3581780805
Conc: 329.66 m



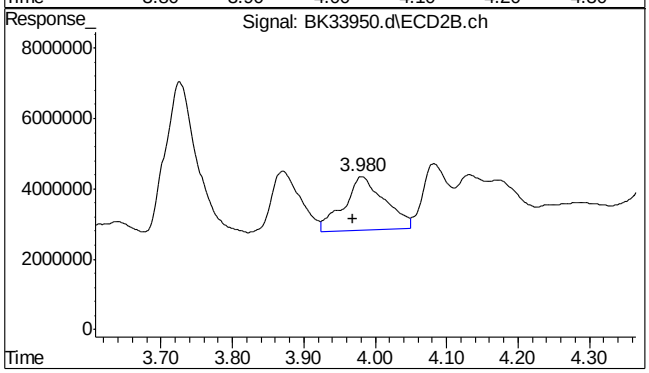
#5 AR1016-D

R.T.: 3.871 min
Delta R.T.: 0.013 min
Response: 49282098
Conc: 266.28



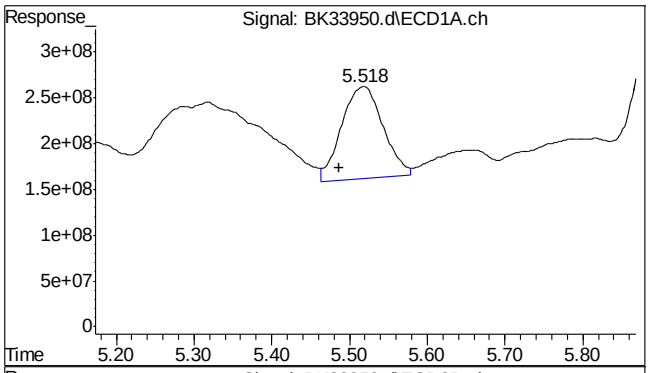
#6 AR1016-E

R.T.: 4.023 min
Delta R.T.: -0.005 min
Response: 2208451471
Conc: 321.38 m



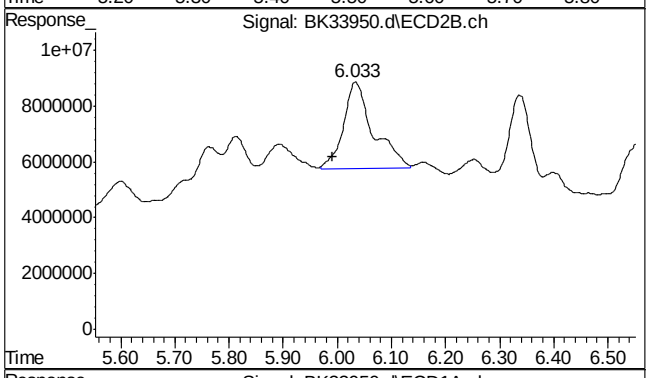
#6 AR1016-E

R.T.: 3.982 min
Delta R.T.: 0.013 min
Response: 60162488
Conc: 440.17



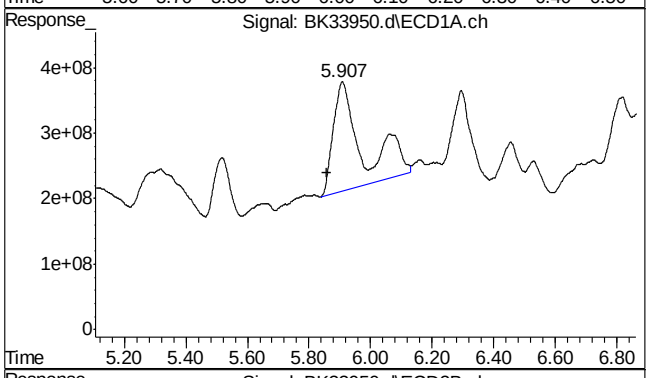
#7 AR1260-A

R.T.: 5.518 min
Delta R.T.: 0.030 min
Response: 3746122666
Conc: 338.82 ppb m



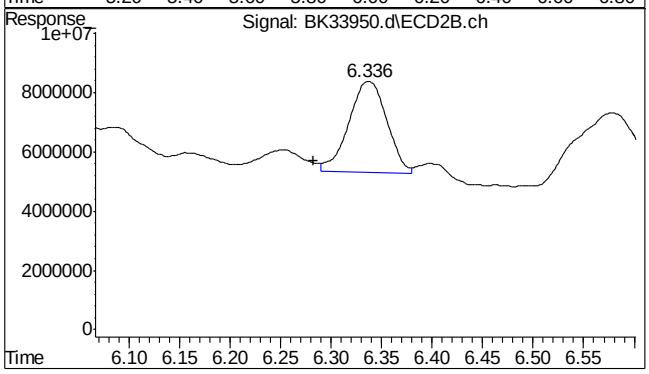
#7 AR1260-A

R.T.: 6.033 min
Delta R.T.: 0.042 min
Response: 118318691
Conc: 392.73 ppb m



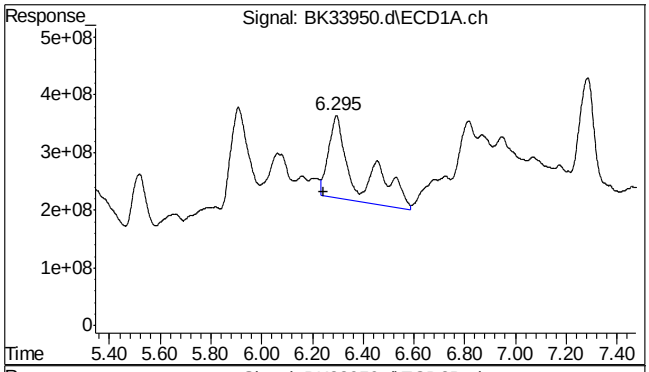
#8 AR1260-B

R.T.: 5.907 min
Delta R.T.: 0.048 min
Response: 10764754672
Conc: 529.33 ppb m



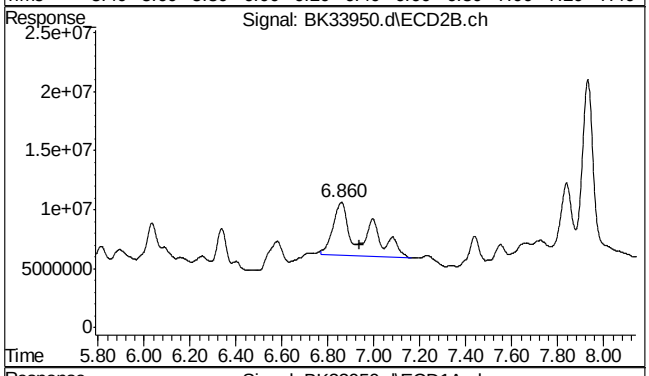
#8 AR1260-B

R.T.: 6.336 min
Delta R.T.: 0.053 min
Response: 80145872
Conc: 228.90 ppb m



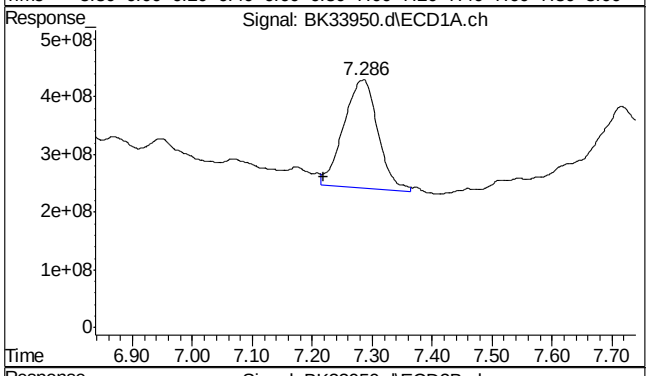
#9 AR1260-C

R.T.: 6.295 min
Delta R.T.: 0.048 min
Response: 11259059217
Conc: 322.20 ppb m



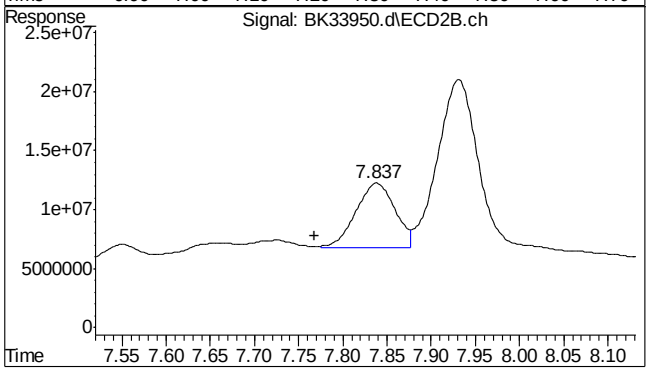
#9 AR1260-C

R.T.: 6.860 min
Delta R.T.: -0.077 min
Response: 380020125
Conc: 430.08 ppb m



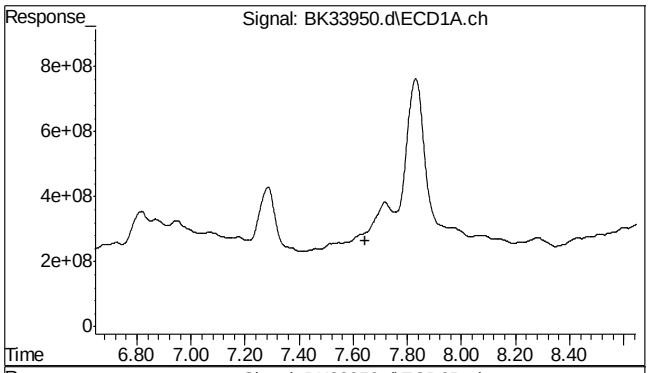
#10 AR1260-D

R.T.: 7.286 min
Delta R.T.: 0.067 min
Response: 7409347016
Conc: 295.88 ppb m



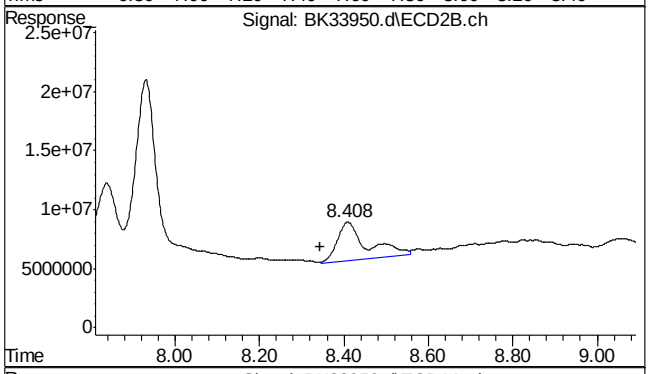
#10 AR1260-D

R.T.: 7.837 min
Delta R.T.: 0.069 min
Response: 169578859
Conc: 261.81 ppb m



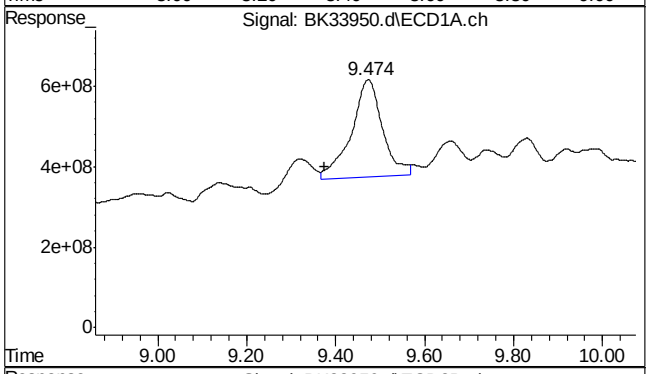
#11 AR1260-E

R.T.: 0.000 min
Exp R.T. : 7.646 min
Response: 0
Conc: N.D.



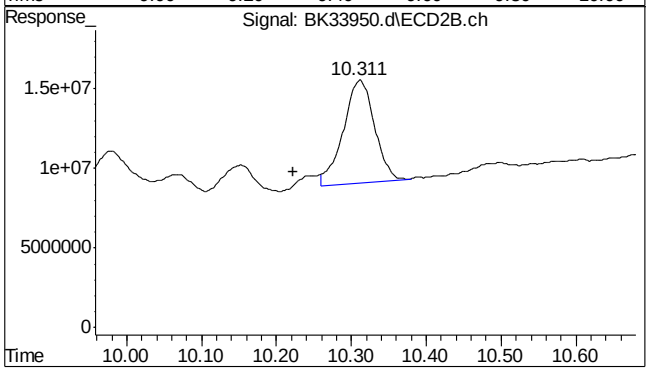
#11 AR1260-E

R.T.: 8.408 min
Delta R.T.: 0.065 min
Response: 157786599
Conc: 247.05 ppb m



#13 DCB

R.T.: 9.474 min
Delta R.T.: 0.099 min
Response: 11815176304
Conc: 50.89 ppb m



#13 DCB

R.T.: 10.311 min
Delta R.T.: 0.088 min
Response: 190496821
Conc: 32.33 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
01/16/14 10:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140115\
Data File : BK33951.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jan 2014 11:00 am
Operator : nickk
Sample : op36491-msd
Misc : op36491,gbk1114,1.0164,,,10,,o
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 15:49:58 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Wed Jan 15 08:45:58 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.426	2.500	9593.8E6	189.3E6	47.623m	29.455m#
	Spiked Amount 40.000			Recovery	= 119.06%		73.64%
13) s	DCB	9.478f	10.320f	7834.4E6	261.1E6	33.744m	44.311m#
	Spiked Amount 40.000			Recovery	= 84.36%		110.78%
	Target Compounds						
2)	AR1016-A	2.714	2.907	1837.6E6	32537473	392.784m	268.310m#
3)	AR1016-B	3.024	3.278	3261.8E6	66603354	410.717m	279.224 #
4)	AR1016-C	3.462	3.730	5790.5E6	125.5E6	342.944m	277.049
5)	AR1016-D	3.598	3.874f	3251.6E6	46423821	299.274m	250.840
6)	AR1016-E	4.025	3.985f	2172.6E6	53126430	316.171m	388.694
7)	AR1260-A	5.520	6.040	4149.9E6	142.5E6	375.340m	472.858m#
8)	AR1260-B	5.918f	6.346f	12461.7E6	83217917	612.776m	237.673m#
9)	AR1260-C	6.299f	6.866f	9197.3E6	343.0E6	263.202m	388.201m#
10)	AR1260-D	7.288f	7.848f	12614.1E6	206.0E6	503.723m	317.983m#
11)	AR1260-E	0.000	8.421f	0	191.9E6	N.D. d	300.500m

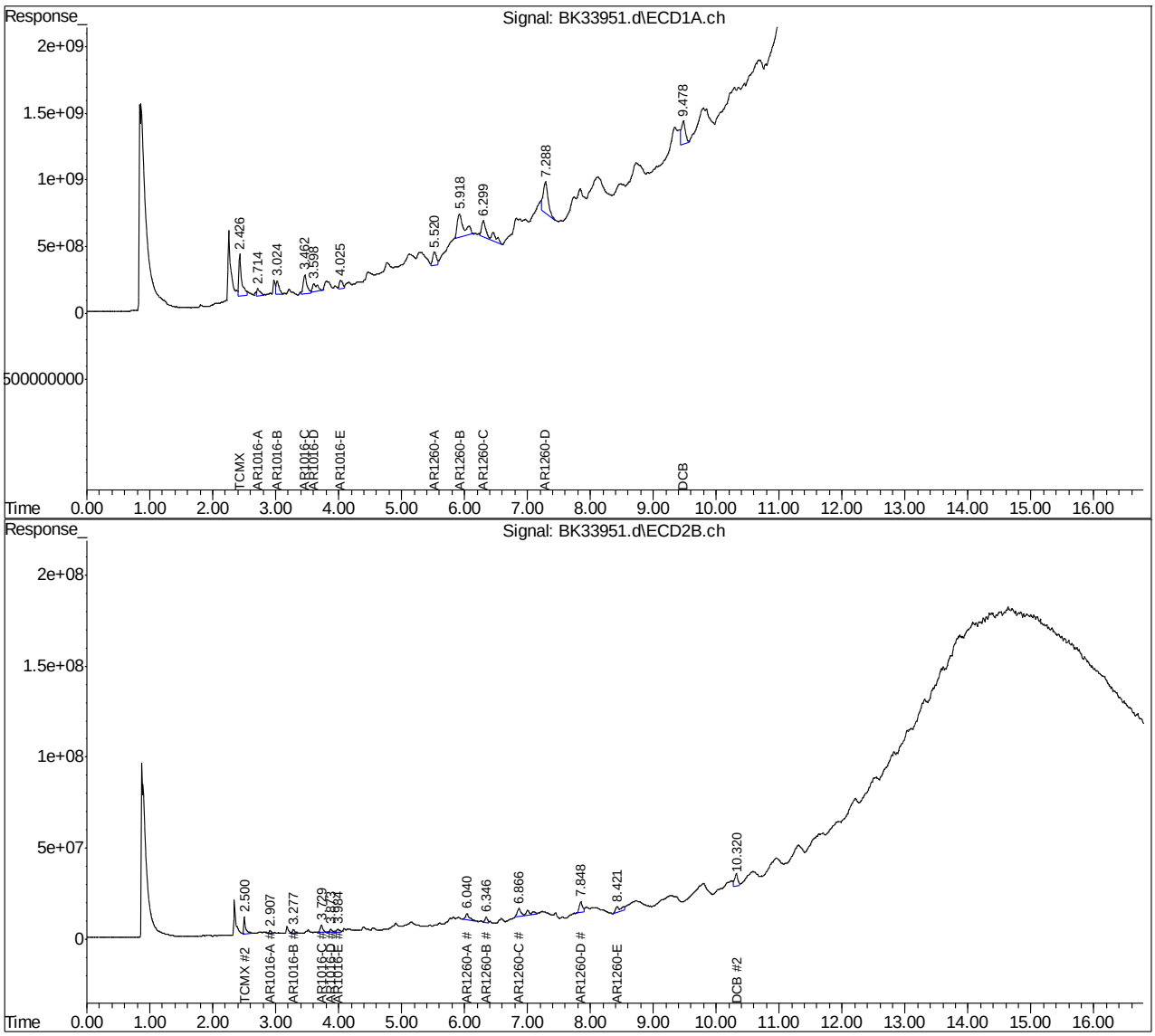
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

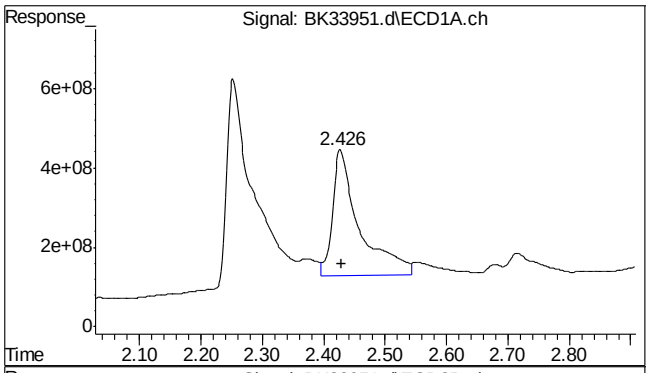
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140115\
Data File : BK33951.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jan 2014 11:00 am
Operator : nickk
Sample : op36491-msd
Misc : op36491,gbk1114,1.0164,,,10,,o
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 15:49:58 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Wed Jan 15 08:45:58 2014
Response via : Initial Calibration
Integrator: ChemStation

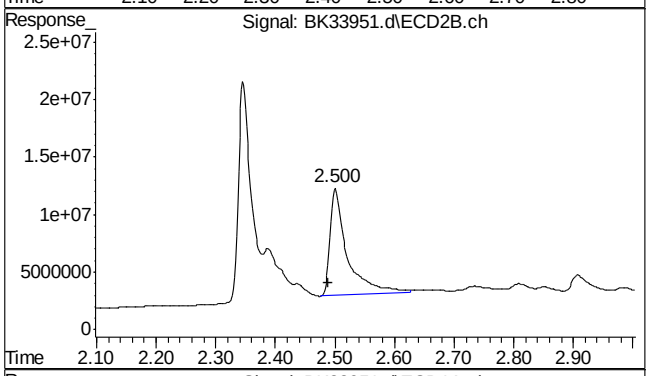
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





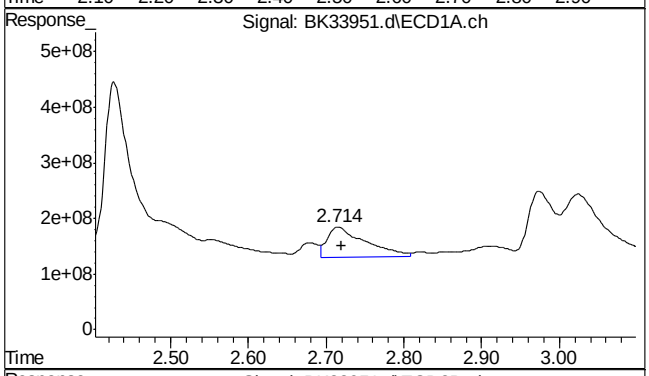
#1 TCMX

R.T.: 2.426 min
Delta R.T.: -0.003 min
Response: 9593755238
Conc: 47.62 ppb m



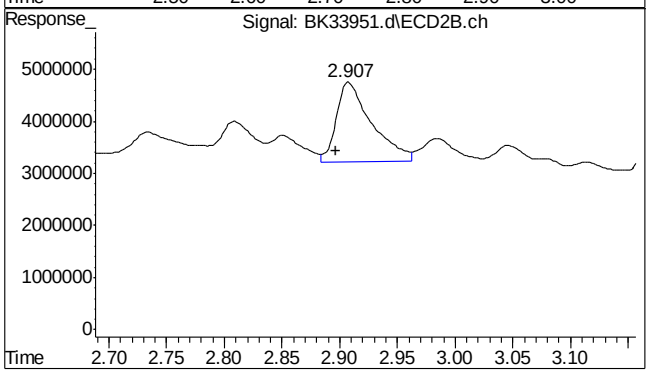
#1 TCMX

R.T.: 2.500 min
Delta R.T.: 0.011 min
Response: 189284951
Conc: 29.46 ppb m



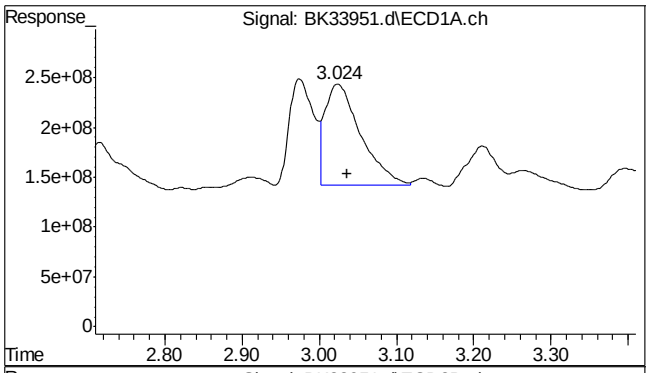
#2 AR1016-A

R.T.: 2.714 min
Delta R.T.: -0.005 min
Response: 1837604778
Conc: 392.78 ppb m



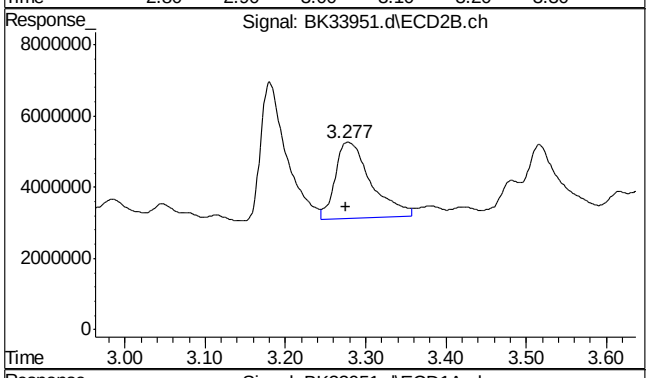
#2 AR1016-A

R.T.: 2.907 min
Delta R.T.: 0.010 min
Response: 32537473
Conc: 268.31 ppb m



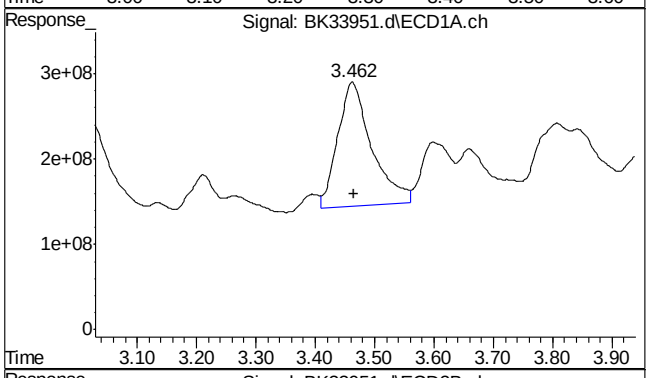
#3 AR1016-B

R.T.: 3.024 min
Delta R.T.: -0.012 min
Response: 3261758789
Conc: 410.72 ppb m



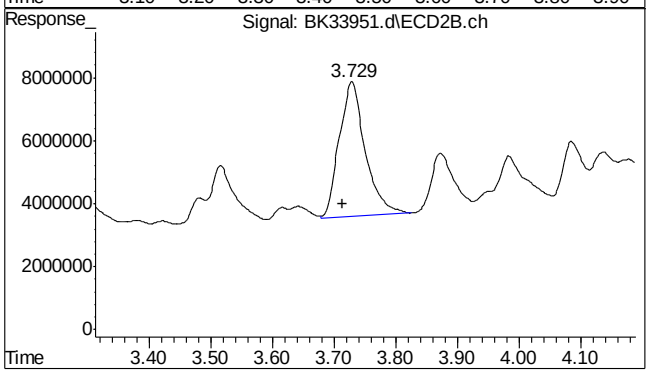
#3 AR1016-B

R.T.: 3.278 min
Delta R.T.: 0.002 min
Response: 66603354
Conc: 279.22 ppb



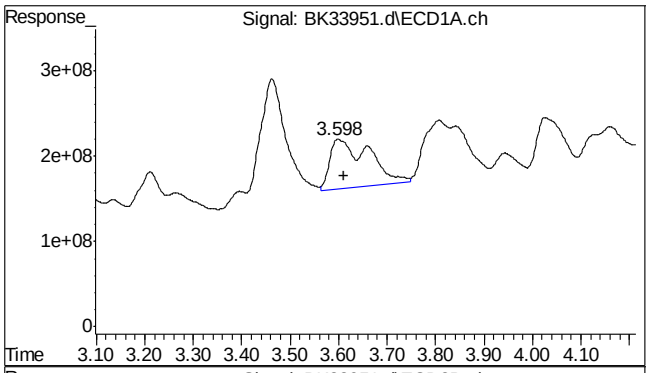
#4 AR1016-C

R.T.: 3.462 min
Delta R.T.: -0.003 min
Response: 5790472198
Conc: 342.94 ppb m



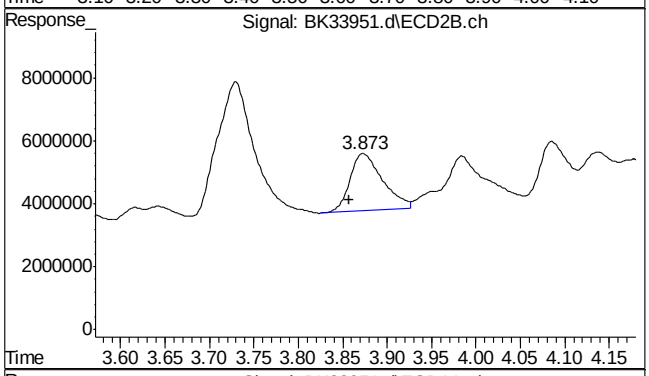
#4 AR1016-C

R.T.: 3.730 min
Delta R.T.: 0.016 min
Response: 125505268
Conc: 277.05 ppb



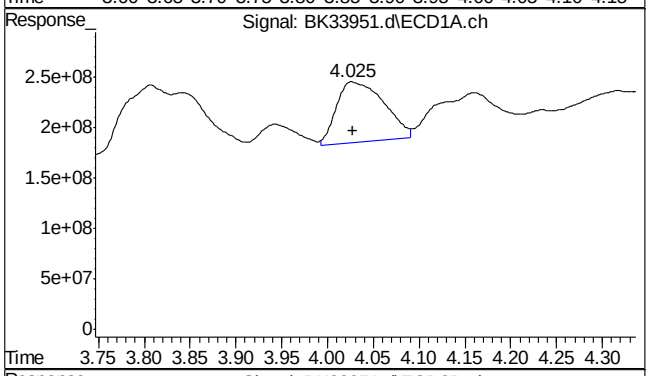
#5 AR1016-D

R.T.: 3.598 min
Delta R.T.: -0.012 min
Response: 3251642494
Conc: 299.27 m



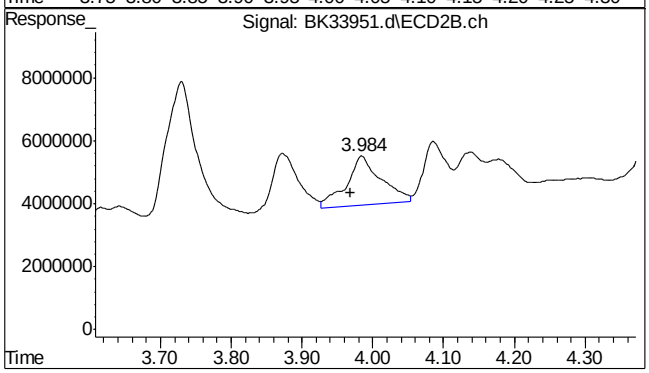
#5 AR1016-D

R.T.: 3.874 min
Delta R.T.: 0.016 min
Response: 46423821
Conc: 250.84



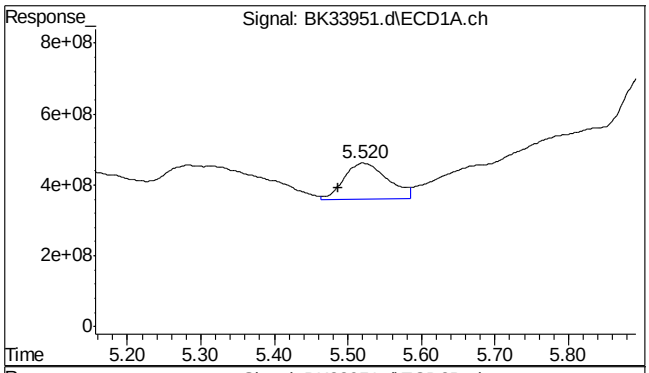
#6 AR1016-E

R.T.: 4.025 min
Delta R.T.: -0.003 min
Response: 2172624467
Conc: 316.17 m



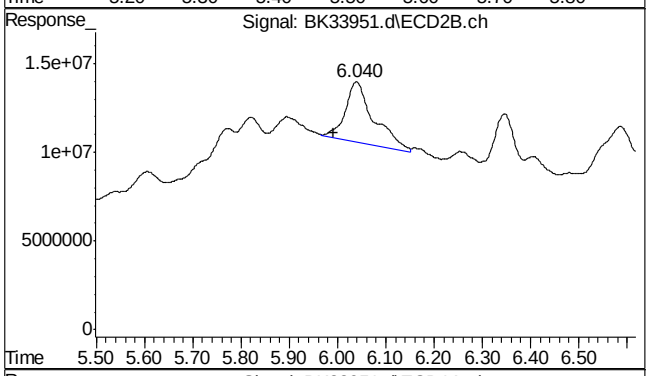
#6 AR1016-E

R.T.: 3.985 min
Delta R.T.: 0.016 min
Response: 53126430
Conc: 388.69



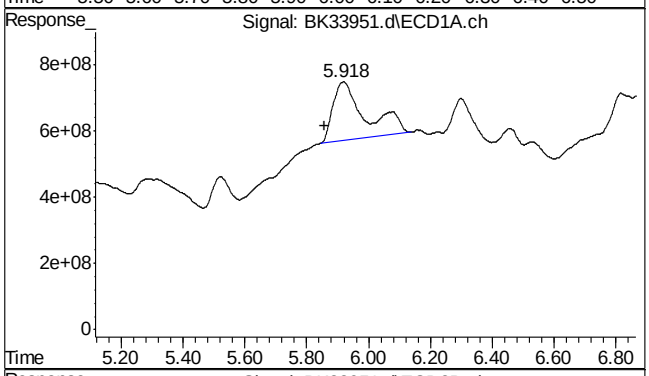
#7 AR1260-A

R.T.: 5.520 min
Delta R.T.: 0.032 min
Response: 4149867526
Conc: 375.34 ppb m



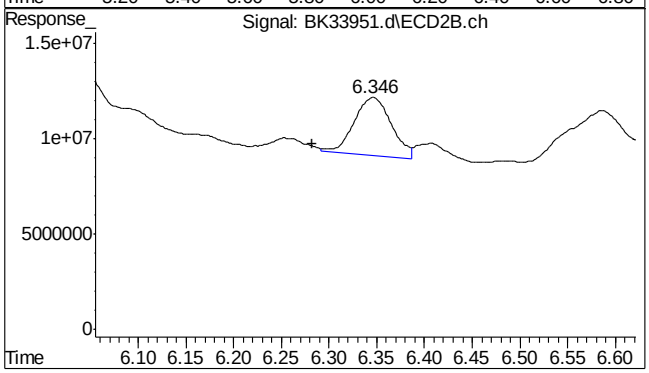
#7 AR1260-A

R.T.: 6.040 min
Delta R.T.: 0.048 min
Response: 142459843
Conc: 472.86 ppb m



#8 AR1260-B

R.T.: 5.918 min
Delta R.T.: 0.059 min
Response: 12461706955
Conc: 612.78 ppb m

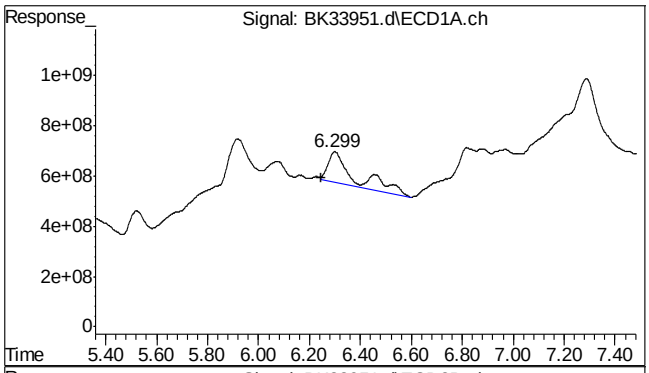


#8 AR1260-B

R.T.: 6.346 min
Delta R.T.: 0.063 min
Response: 83217917
Conc: 237.67 ppb m

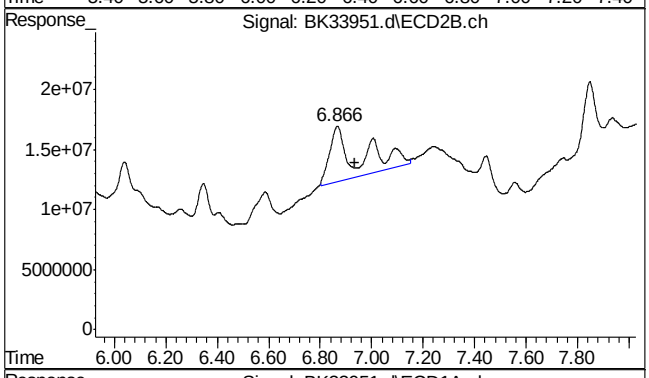
9.4.2

9



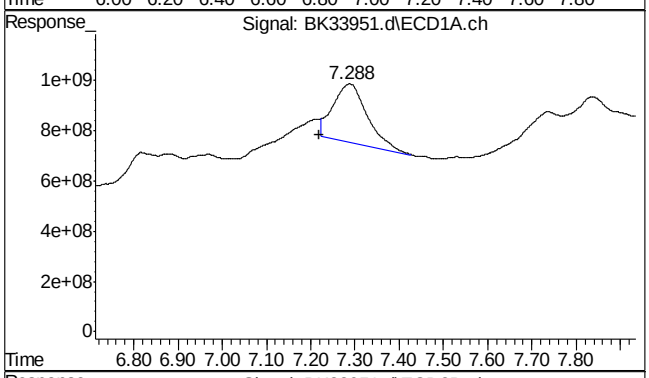
#9 AR1260-C

R.T.: 6.299 min
Delta R.T.: 0.052 min
Response: 9197293355
Conc: 263.20 ppb m



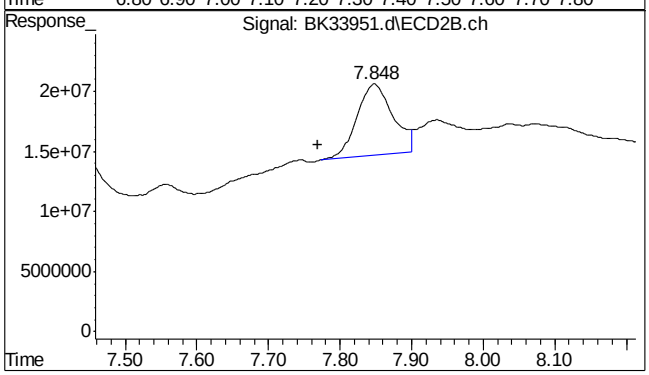
#9 AR1260-C

R.T.: 6.866 min
Delta R.T.: -0.071 min
Response: 343018184
Conc: 388.20 ppb m



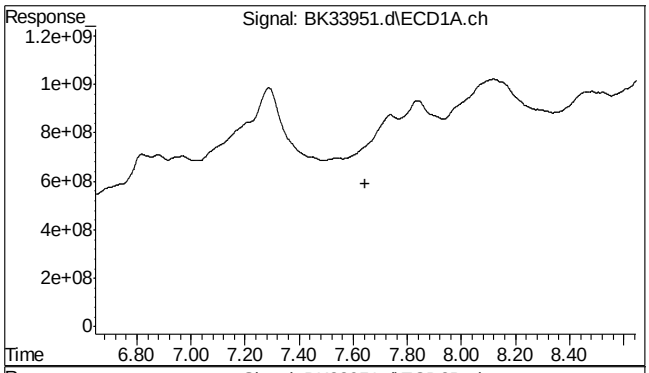
#10 AR1260-D

R.T.: 7.288 min
Delta R.T.: 0.069 min
Response: 12614117047
Conc: 503.72 ppb m



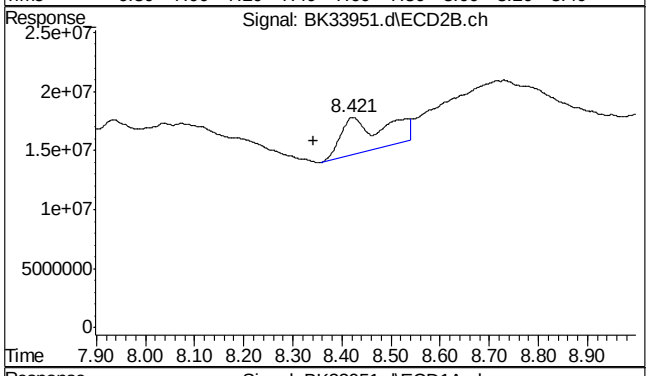
#10 AR1260-D

R.T.: 7.848 min
Delta R.T.: 0.079 min
Response: 205959228
Conc: 317.98 ppb m



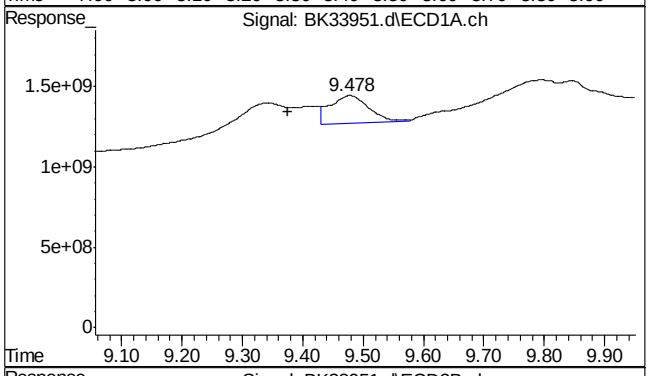
#11 AR1260-E

R.T.: 0.000 min
Exp R.T. : 7.646 min
Response: 0
Conc: N.D.



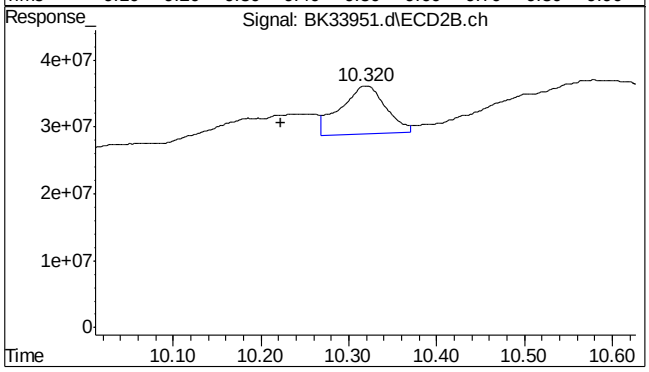
#11 AR1260-E

R.T.: 8.421 min
Delta R.T.: 0.078 min
Response: 191920781
Conc: 300.50 ppb m



#13 DCB

R.T.: 9.478 min
Delta R.T.: 0.103 min
Response: 7834385635
Conc: 33.74 ppb m



#13 DCB

R.T.: 10.320 min
Delta R.T.: 0.097 min
Response: 261073872
Conc: 44.31 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
01/15/14 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33921.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 1:35 pm
Operator : nickk
Sample : ic1113-1000,a16/60
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:44:20 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Jan 14 09:32:21 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.426	2.492	17310.7E6	537.1E6	97.272m	110.875
	Spiked Amount 40.000			Recovery	= 243.18%	277.19%	
13) s	DCB	9.370	10.222	17862.3E6	458.5E6	92.702m	105.961m
	Spiked Amount 40.000			Recovery	= 231.75%	264.90%	
	Target Compounds						
2)	AR1016-A	2.715	2.899	4718.0E6	114.8E6	1033.630m	1187.777
3)	AR1016-B	3.029	3.276	7926.0E6	229.2E6	1210.907	1166.320m
4)	AR1016-C	3.460	3.713	17454.9E6	439.0E6	1226.431	1183.665m
5)	AR1016-D	3.594	3.856f	11329.0E6	175.0E6	1306.096m	1113.029m
6)	AR1016-E	4.019	3.968f	6592.4E6	132.7E6	1195.644m	1164.842m
7)	AR1260-A	5.481	5.991	10922.6E6	287.9E6	1211.212	1201.394
8)	AR1260-B	5.852	6.282	19561.6E6	341.7E6	1203.325m	1205.746
9)	AR1260-C	6.240	6.937f	35286.0E6	861.9E6	1268.334m	1237.208m
10)	AR1260-D	7.213	7.768	25121.3E6	656.0E6	1211.273m	1340.838
11)	AR1260-E	7.641	8.342	25711.5E6	627.0E6	1163.952m	1266.156m
12)	AR1260-F	8.609	9.268	6489.6E6	176.1E6	1120.630m	1230.522m

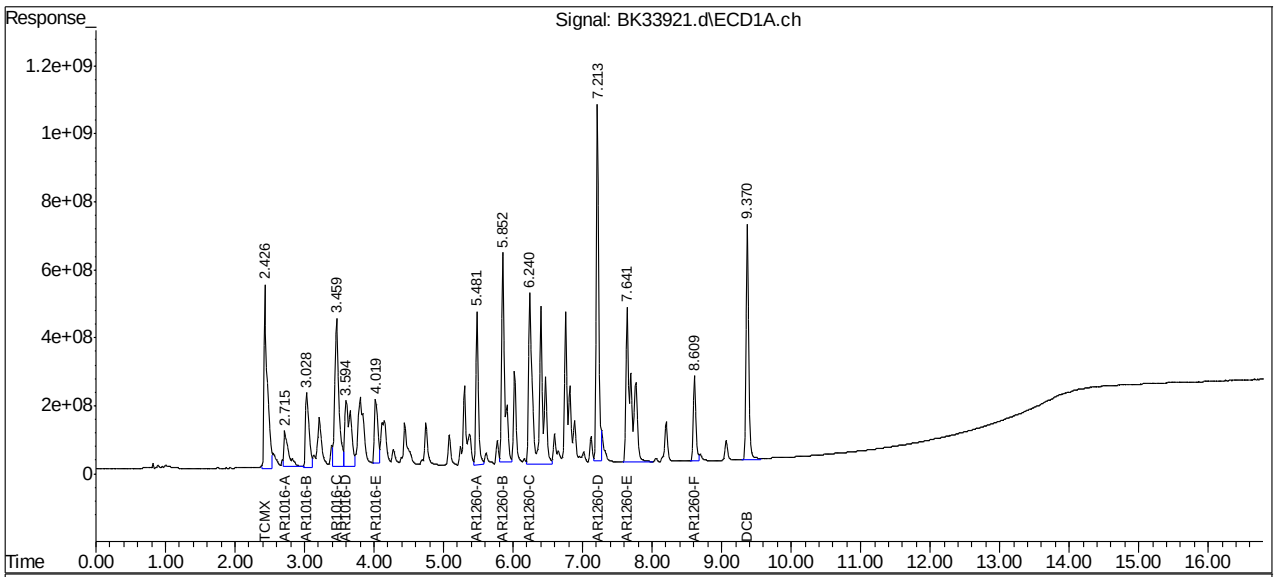
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

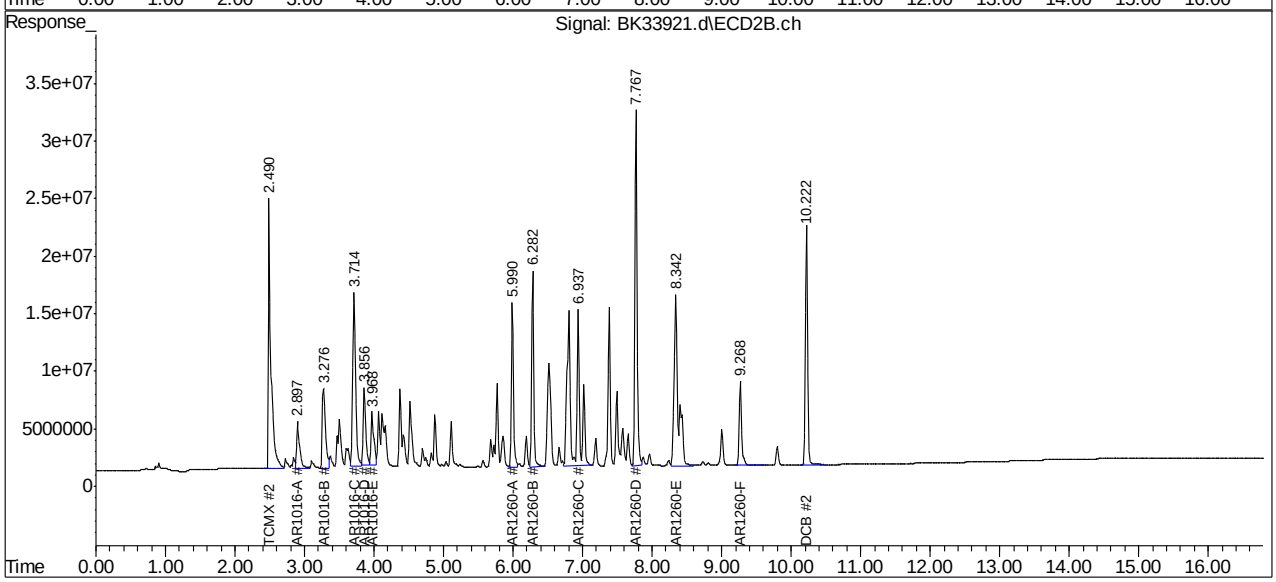
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33921.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 1:35 pm
Operator : nickk
Sample : ic1113-1000,a16/60
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 51 Sample Multiplier: 1

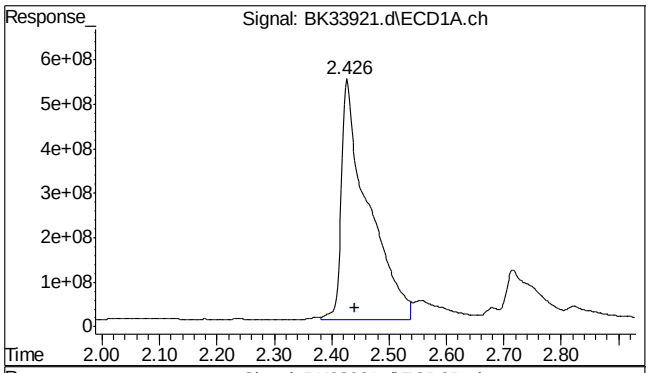
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:44:20 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Jan 14 09:32:21 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



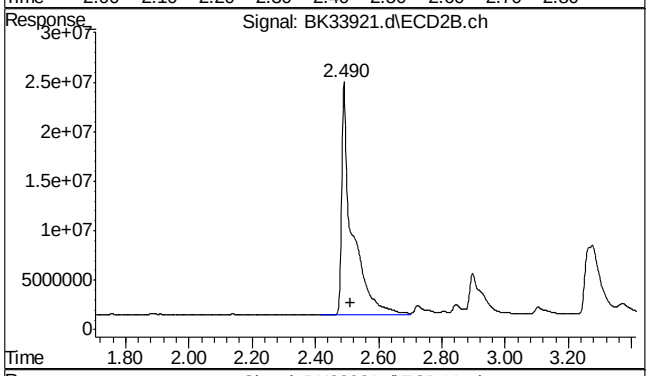


ACCUTEST LABORATORIES MC27551



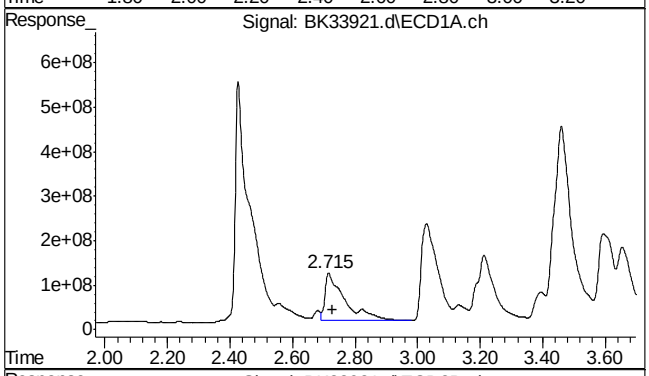
#1 TCMX

R.T.: 2.426 min
Delta R.T.: -0.015 min
Response: 17310679453
Conc: 97.27 ppb m



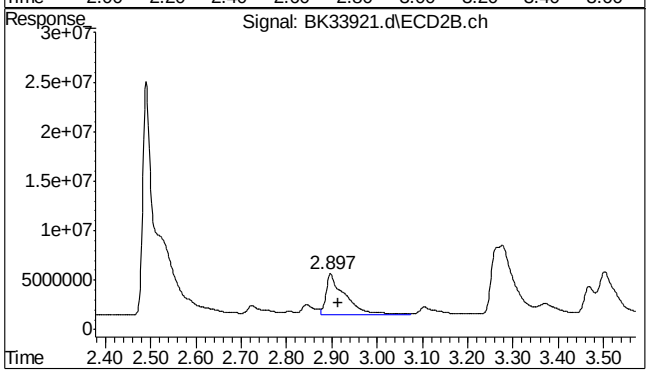
#1 TCMX

R.T.: 2.492 min
Delta R.T.: -0.018 min
Response: 537075739
Conc: 110.88 ppb



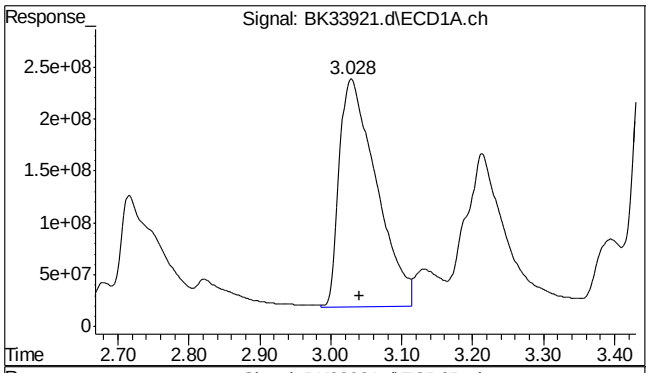
#2 AR1016-A

R.T.: 2.715 min
Delta R.T.: -0.013 min
Response: 4718015755
Conc: 1033.63 ppb m



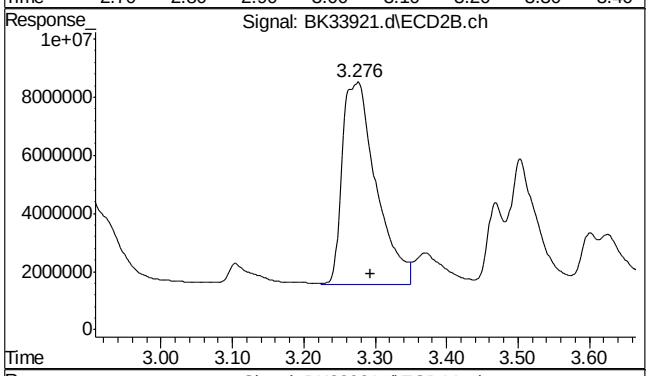
#2 AR1016-A

R.T.: 2.899 min
Delta R.T.: -0.016 min
Response: 114770381
Conc: 1187.78 ppb



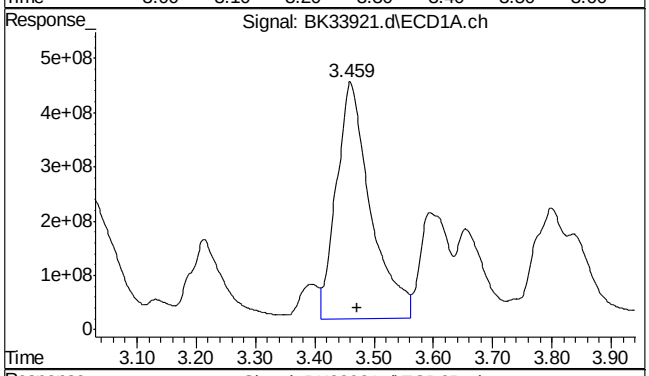
#3 AR1016-B

R.T.: 3.029 min
Delta R.T.: -0.012 min
Response: 7925981439
Conc: 1210.91 ppb



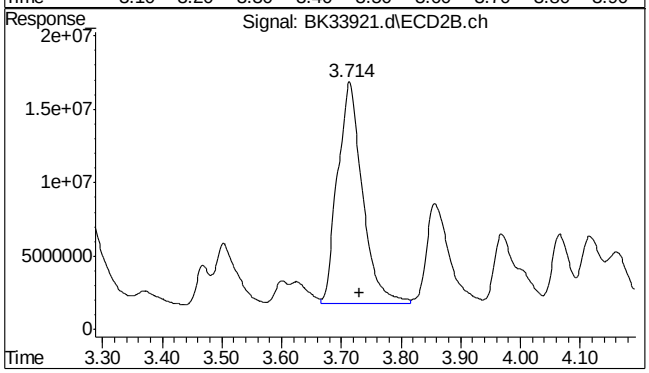
#3 AR1016-B

R.T.: 3.276 min
Delta R.T.: -0.018 min
Response: 229200013
Conc: 1166.32 ppb m



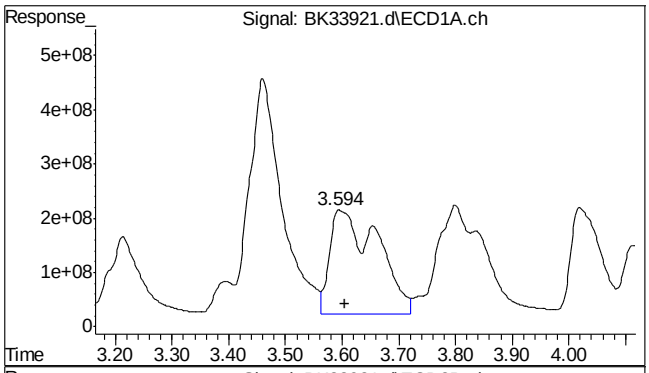
#4 AR1016-C

R.T.: 3.460 min
Delta R.T.: -0.011 min
Response: 17454901440
Conc: 1226.43 ppb



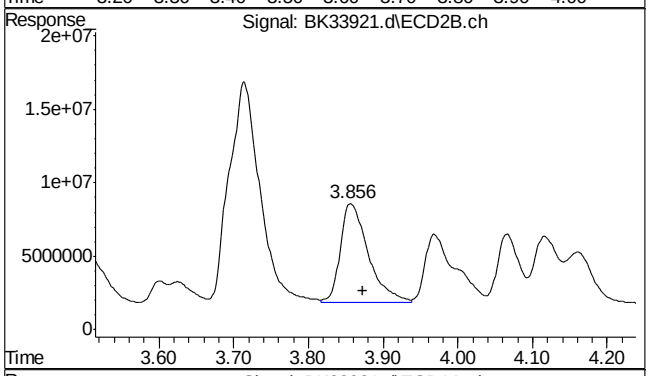
#4 AR1016-C

R.T.: 3.713 min
Delta R.T.: -0.017 min
Response: 439031889
Conc: 1183.66 ppb m



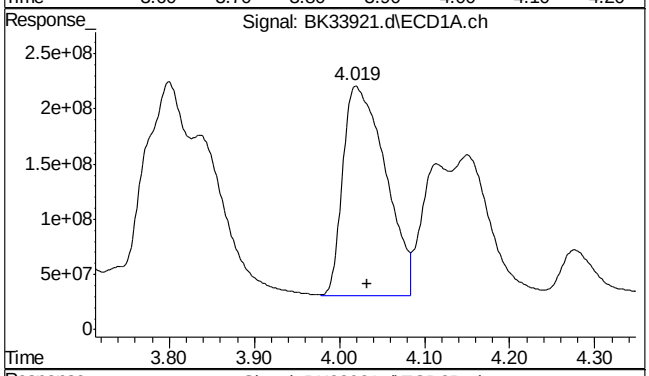
#5 AR1016-D

R.T.: 3.594 min
Delta R.T.: -0.012 min
Response: 11329017312
Conc: 1306.10 m



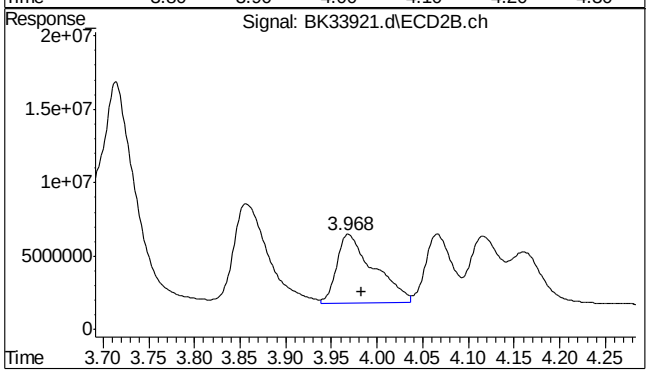
#5 AR1016-D

R.T.: 3.856 min
Delta R.T.: -0.017 min
Response: 175047824
Conc: 1113.03 m



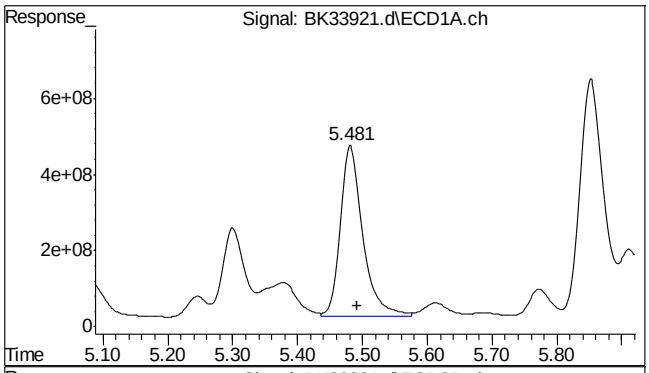
#6 AR1016-E

R.T.: 4.019 min
Delta R.T.: -0.014 min
Response: 6592414737
Conc: 1195.64 m



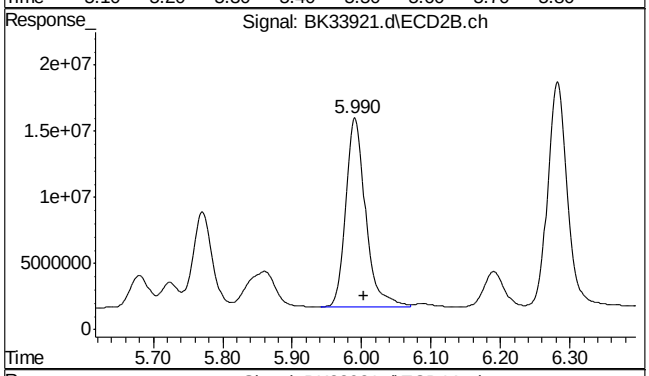
#6 AR1016-E

R.T.: 3.968 min
Delta R.T.: -0.015 min
Response: 132681908
Conc: 1164.84 m



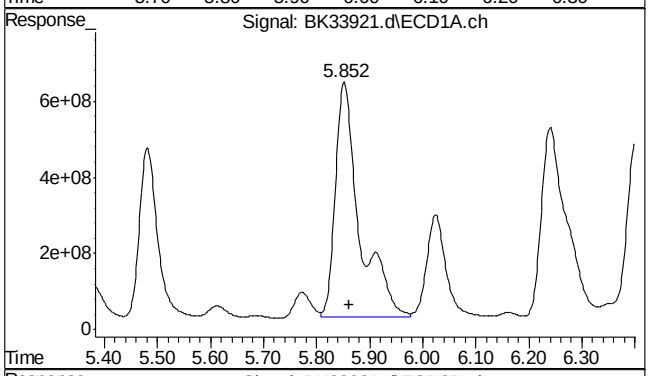
#7 AR1260-A

R.T.: 5.481 min
Delta R.T.: -0.011 min
Response: 10922627176
Conc: 1211.21 ppb



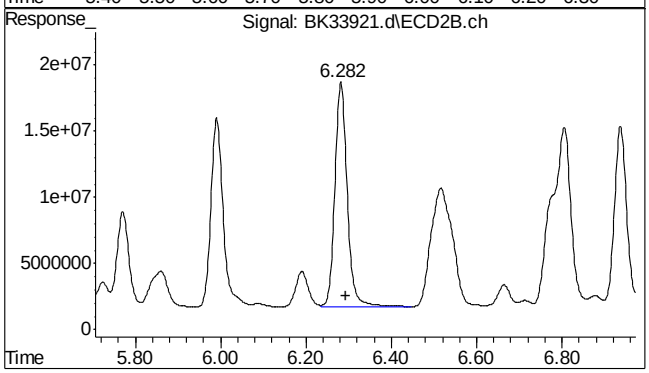
#7 AR1260-A

R.T.: 5.991 min
Delta R.T.: -0.013 min
Response: 287917390
Conc: 1201.39 ppb



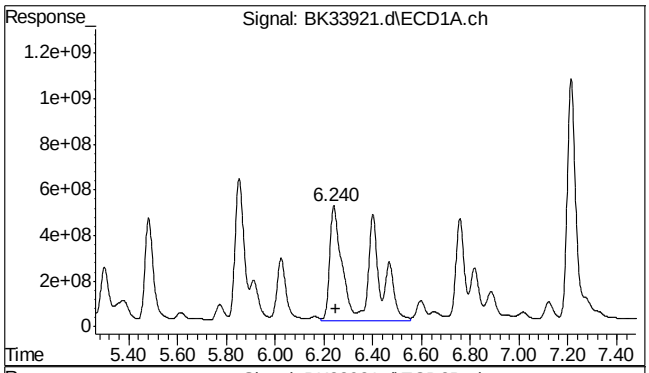
#8 AR1260-B

R.T.: 5.852 min
Delta R.T.: -0.010 min
Response: 19561555382
Conc: 1203.32 ppb m



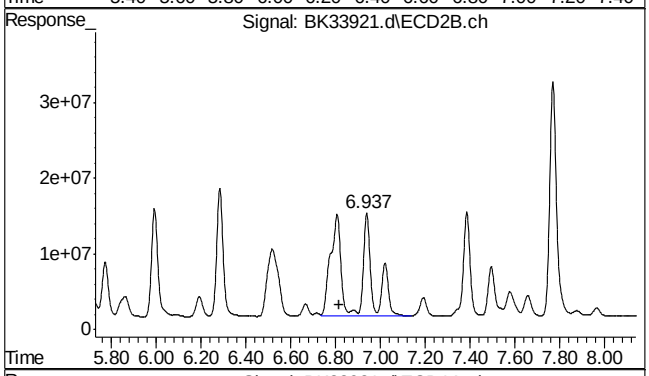
#8 AR1260-B

R.T.: 6.282 min
Delta R.T.: -0.013 min
Response: 341710265
Conc: 1205.75 ppb



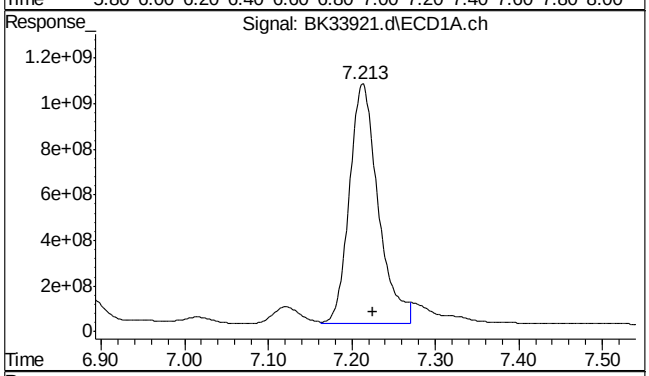
#9 AR1260-C

R.T.: 6.240 min
Delta R.T.: -0.011 min
Response: 35286040785
Conc: 1268.33 ppb m



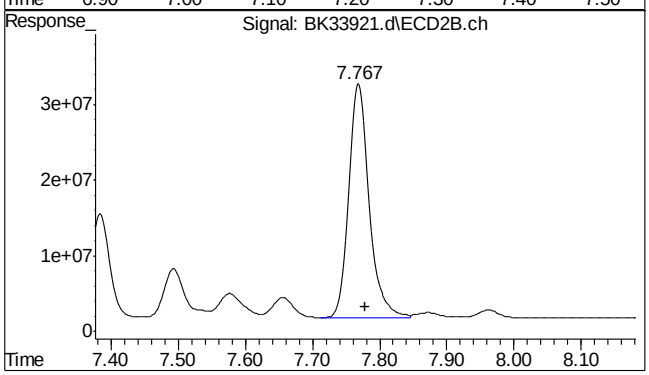
#9 AR1260-C

R.T.: 6.937 min
Delta R.T.: 0.119 min
Response: 861852225
Conc: 1237.21 ppb m



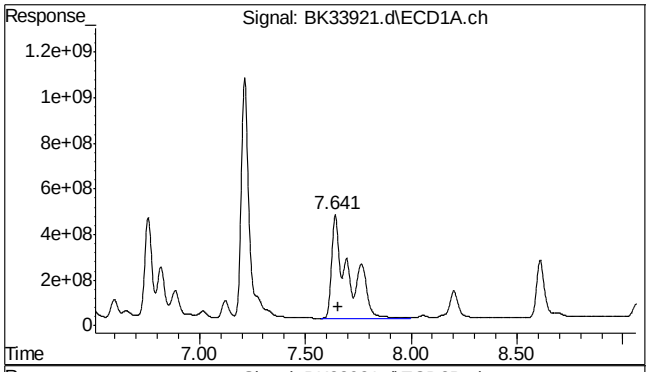
#10 AR1260-D

R.T.: 7.213 min
Delta R.T.: -0.012 min
Response: 25121332921
Conc: 1211.27 ppb m



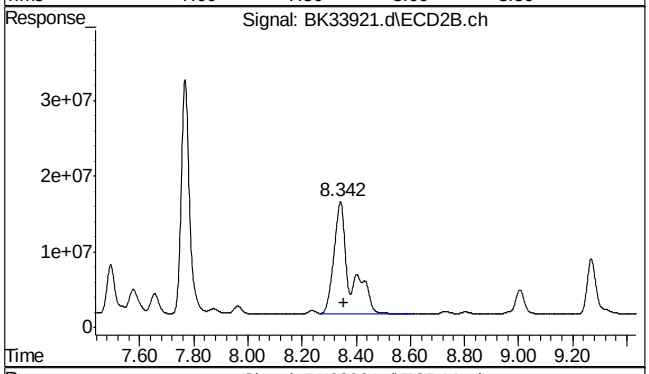
#10 AR1260-D

R.T.: 7.768 min
Delta R.T.: -0.011 min
Response: 656002229
Conc: 1340.84 ppb



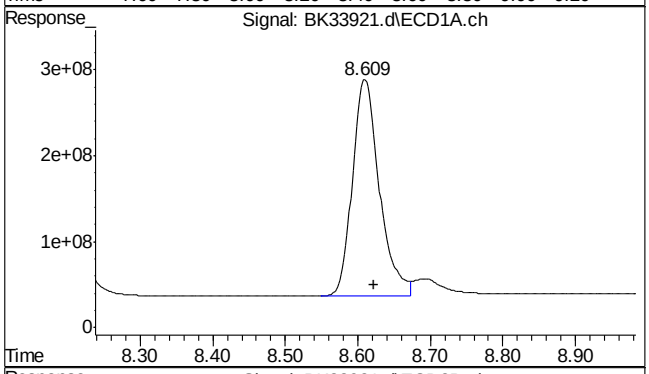
#11 AR1260-E

R.T.: 7.641 min
Delta R.T.: -0.013 min
Response: 25711468227
Conc: 1163.95 ppb m



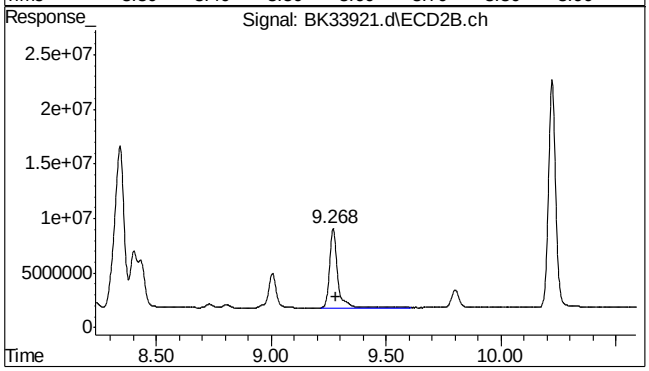
#11 AR1260-E

R.T.: 8.342 min
Delta R.T.: -0.013 min
Response: 626998838
Conc: 1266.16 ppb m



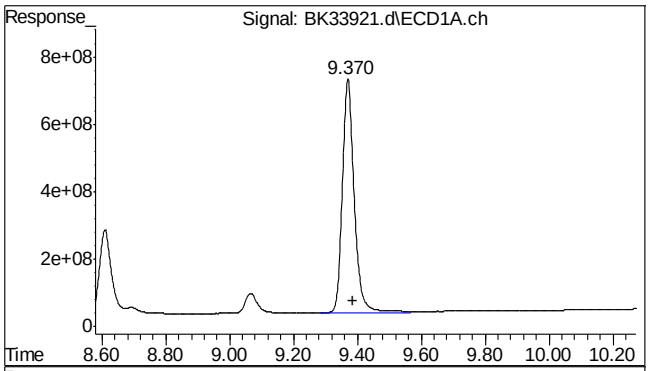
#12 AR1260-F

R.T.: 8.609 min
Delta R.T.: -0.014 min
Response: 6489642185
Conc: 1120.63 m



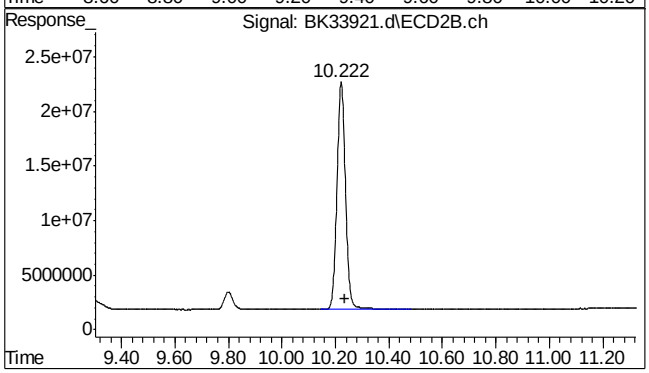
#12 AR1260-F

R.T.: 9.268 min
Delta R.T.: -0.012 min
Response: 176104836
Conc: 1230.52 m



#13 DCB

R.T.: 9.370 min
Delta R.T.: -0.015 min
Response: 17862267122
Conc: 92.70 ppb m



#13 DCB

R.T.: 10.222 min
Delta R.T.: -0.013 min
Response: 458516343
Conc: 105.96 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
01/15/14 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33922.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 2:00 pm
Operator : nickk
Sample : ic1113-750,a16/60
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:45:52 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Jan 14 09:32:21 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.429	2.489	10106.8E6	319.0E6	56.792m	65.862m
	Spiked Amount 40.000			Recovery	= 141.98%	164.66%	
13) s	DCB	9.375	10.223	10860.9E6	269.7E6	56.366m	62.320m
	Spiked Amount 40.000			Recovery	= 140.91%	155.80%	
	Target Compounds						
2)	AR1016-A	2.720	2.897	2997.9E6	78060540	656.782m	807.861m
3)	AR1016-B	3.036	3.276	5005.1E6	148.3E6	764.664m	754.628m
4)	AR1016-C	3.465	3.714	10749.4E6	278.8E6	755.280m	751.673m
5)	AR1016-D	3.610	3.858f	7767.7E6	119.4E6	895.524m	759.036m
6)	AR1016-E	4.028	3.969	4370.0E6	86125028	792.578m	756.110m
7)	AR1260-A	5.487	5.992	7090.5E6	187.9E6	786.268m	784.087m
8)	AR1260-B	5.859	6.283	13207.5E6	218.3E6	812.455m	770.360m
9)	AR1260-C	6.247	6.937f	22192.3E6	547.5E6	797.689m	785.944m
10)	AR1260-D	7.219	7.769	15647.2E6	402.9E6	754.460m	823.526m
11)	AR1260-E	7.646	8.343	16330.7E6	390.9E6	739.285m	789.414m
12)	AR1260-F	8.614	9.270	4079.4E6	108.9E6	704.431m	761.125m

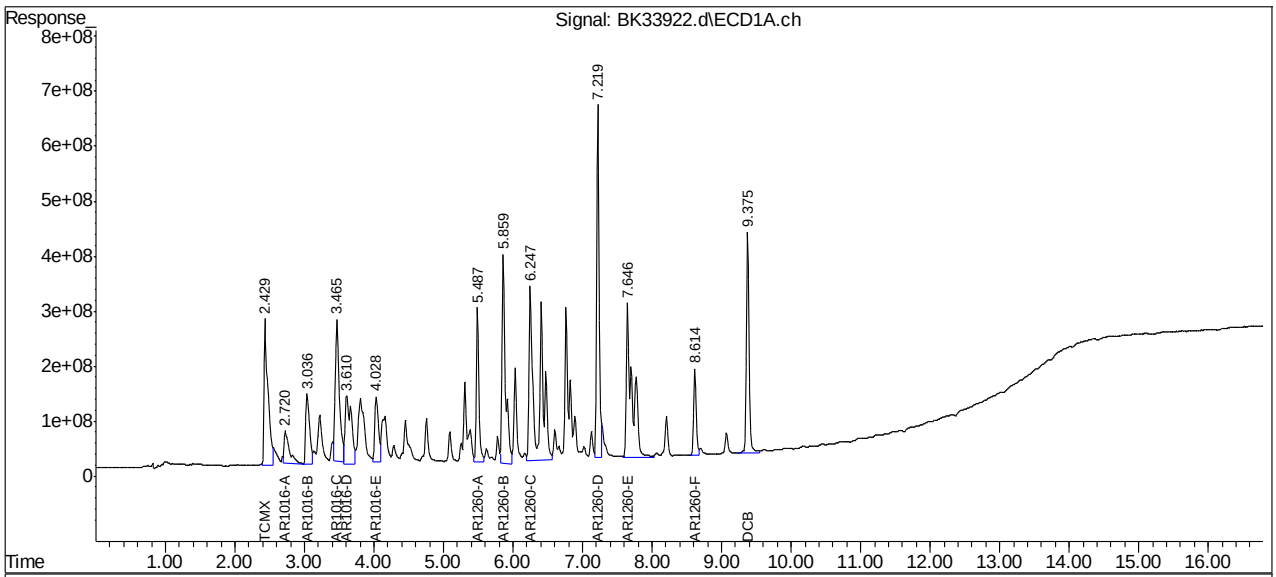
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

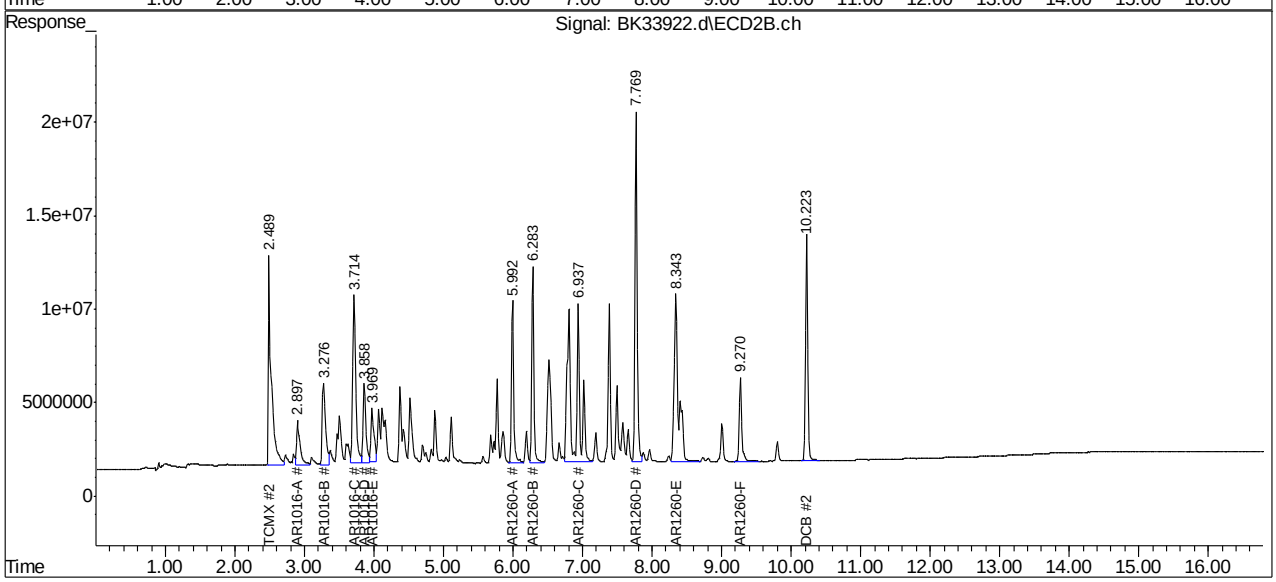
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33922.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 2:00 pm
Operator : nickk
Sample : ic1113-750,a16/60
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 52 Sample Multiplier: 1

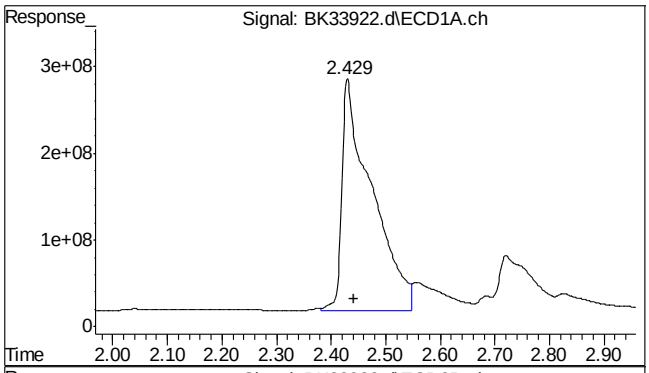
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:45:52 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Jan 14 09:32:21 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



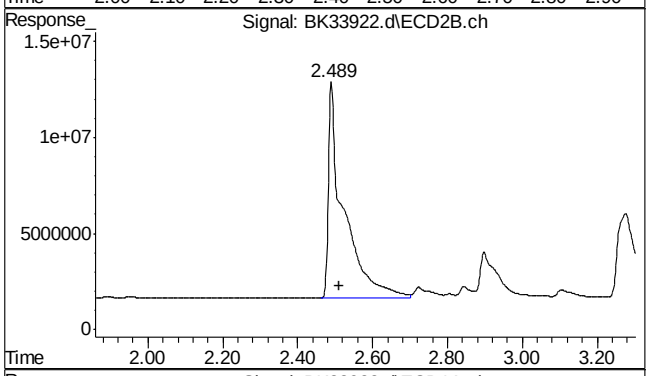


ACCUTEST LABORATORIES MC27551



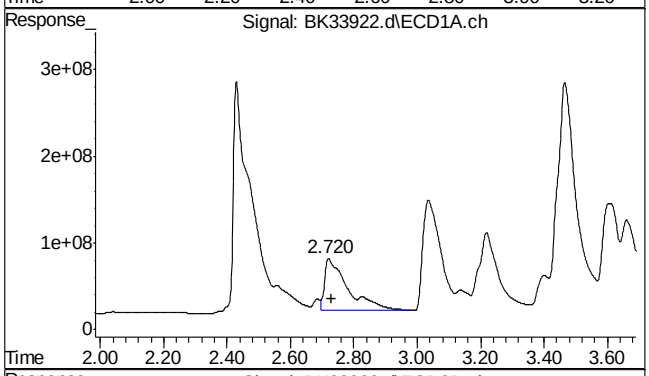
#1 TCMX

R.T.: 2.429 min
Delta R.T.: -0.012 min
Response: 10106781771
Conc: 56.79 ppb m



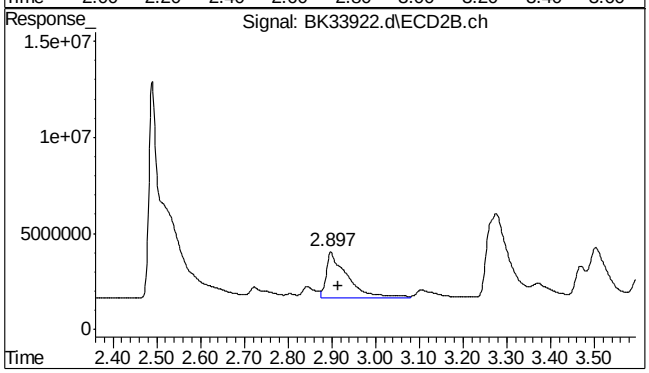
#1 TCMX

R.T.: 2.489 min
Delta R.T.: -0.021 min
Response: 319031868
Conc: 65.86 ppb m



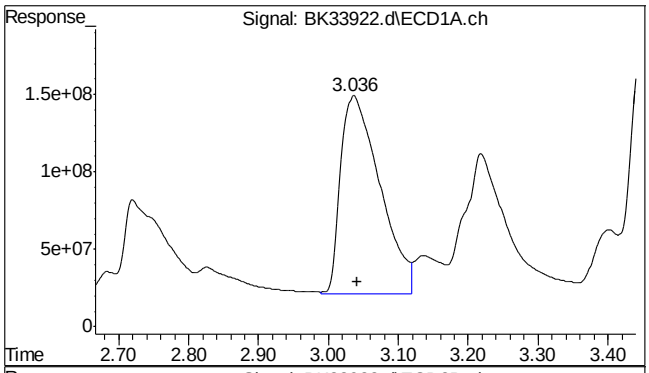
#2 AR1016-A

R.T.: 2.720 min
Delta R.T.: -0.008 min
Response: 2997888023
Conc: 656.78 ppb m



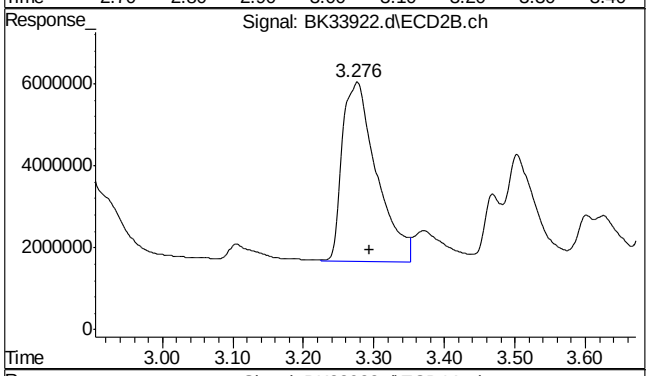
#2 AR1016-A

R.T.: 2.897 min
Delta R.T.: -0.018 min
Response: 78060540
Conc: 807.86 ppb m



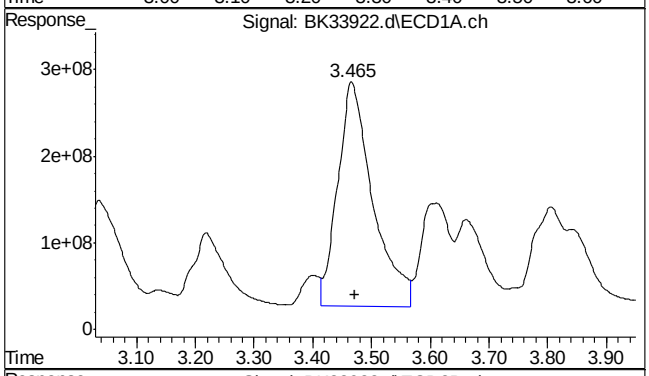
#3 AR1016-B

R.T.: 3.036 min
Delta R.T.: -0.005 min
Response: 5005101104
Conc: 764.66 ppb m



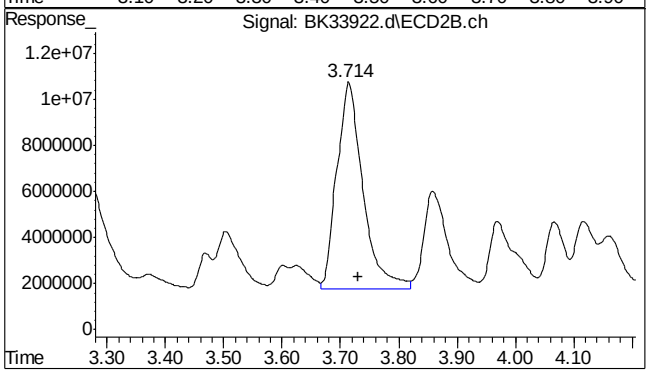
#3 AR1016-B

R.T.: 3.276 min
Delta R.T.: -0.018 min
Response: 148296104
Conc: 754.63 ppb m



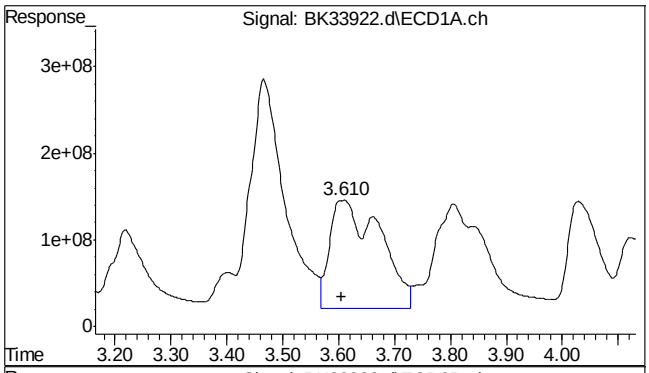
#4 AR1016-C

R.T.: 3.465 min
Delta R.T.: -0.006 min
Response: 10749356085
Conc: 755.28 ppb m



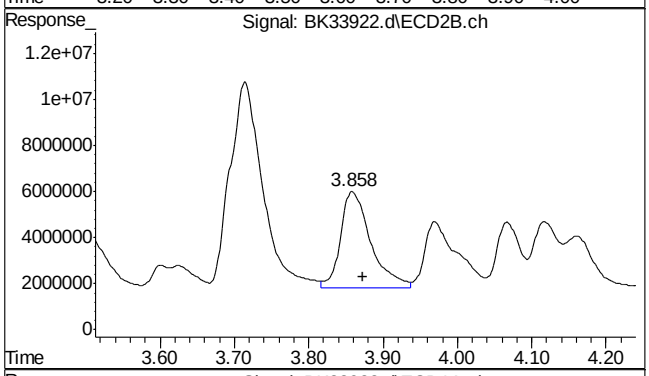
#4 AR1016-C

R.T.: 3.714 min
Delta R.T.: -0.016 min
Response: 278802351
Conc: 751.67 ppb m



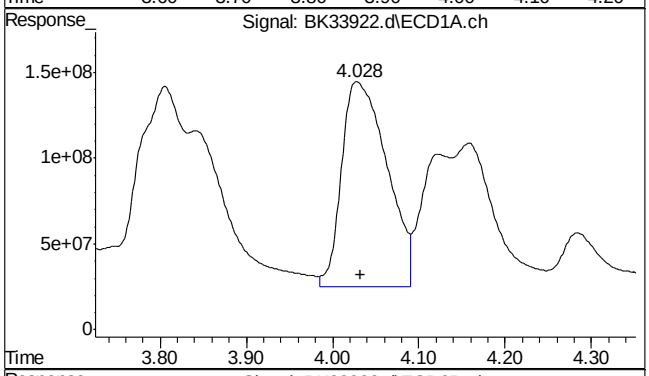
#5 AR1016-D

R.T.: 3.610 min
Delta R.T.: 0.004 min
Response: 7767738187
Conc: 895.52 m



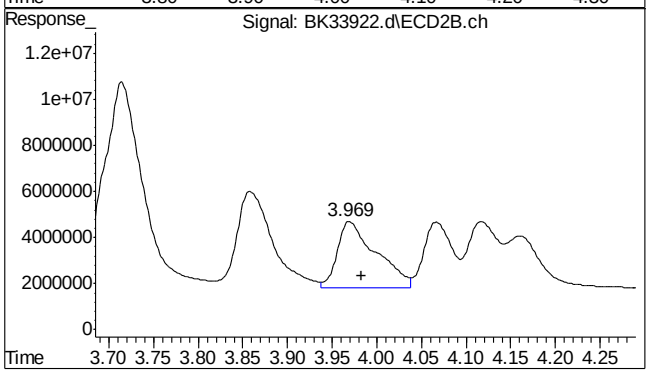
#5 AR1016-D

R.T.: 3.858 min
Delta R.T.: -0.015 min
Response: 119374678
Conc: 759.04 m



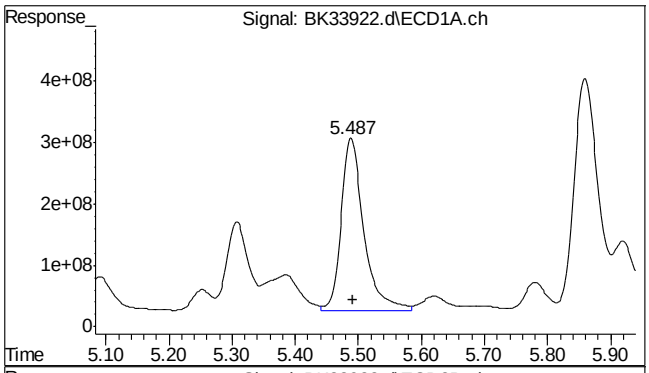
#6 AR1016-E

R.T.: 4.028 min
Delta R.T.: -0.005 min
Response: 4370034807
Conc: 792.58 m



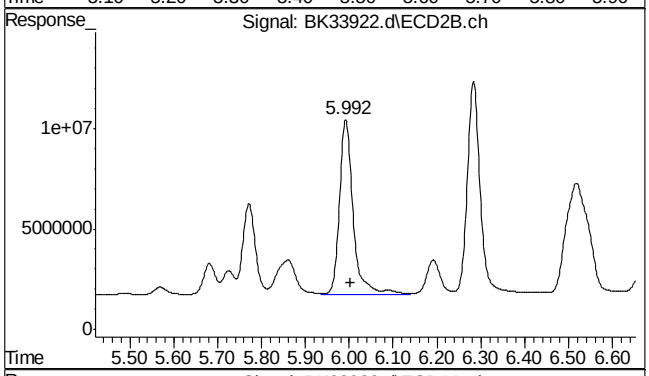
#6 AR1016-E

R.T.: 3.969 min
Delta R.T.: -0.014 min
Response: 86125028
Conc: 756.11 m



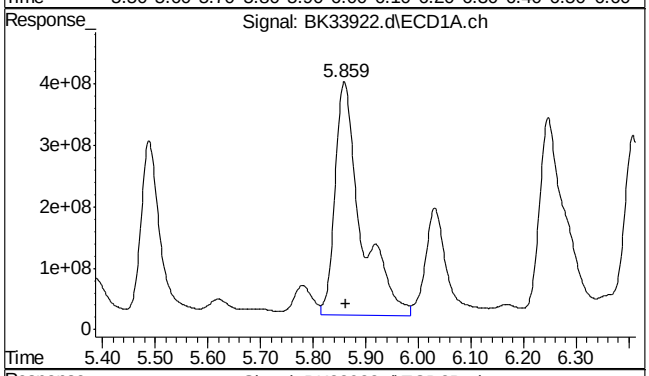
#7 AR1260-A

R.T.: 5.487 min
Delta R.T.: -0.005 min
Response: 7090512585
Conc: 786.27 ppb m



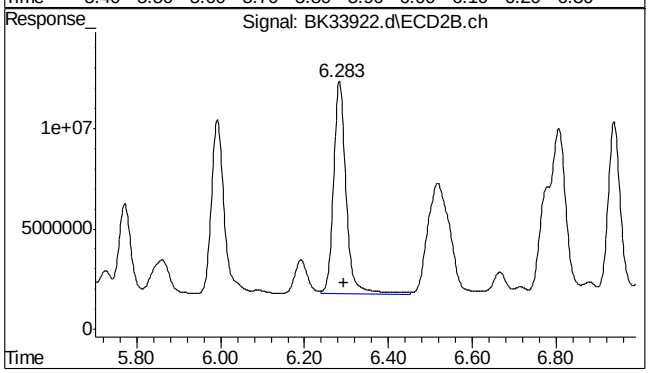
#7 AR1260-A

R.T.: 5.992 min
Delta R.T.: -0.012 min
Response: 187908571
Conc: 784.09 ppb m



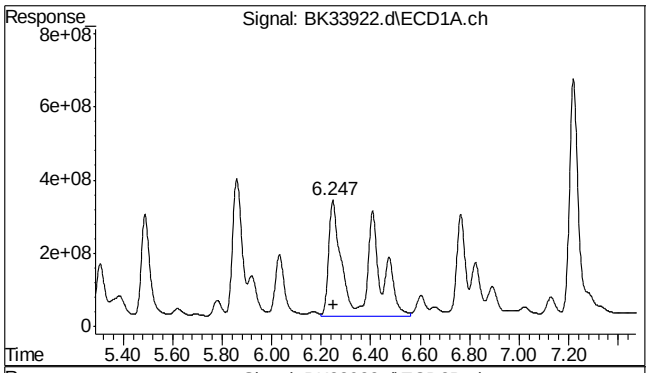
#8 AR1260-B

R.T.: 5.859 min
Delta R.T.: -0.003 min
Response: 13207476289
Conc: 812.45 ppb m



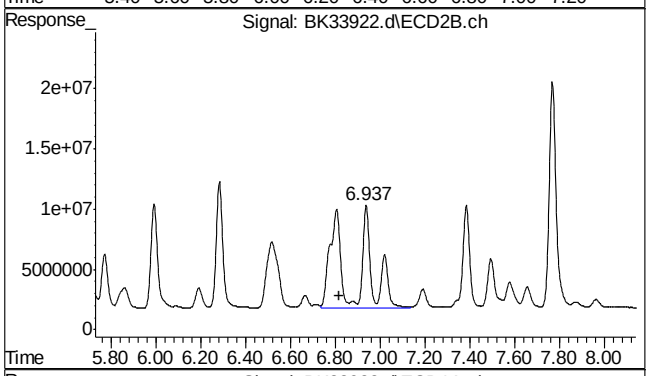
#8 AR1260-B

R.T.: 6.283 min
Delta R.T.: -0.012 min
Response: 218321006
Conc: 770.36 ppb m



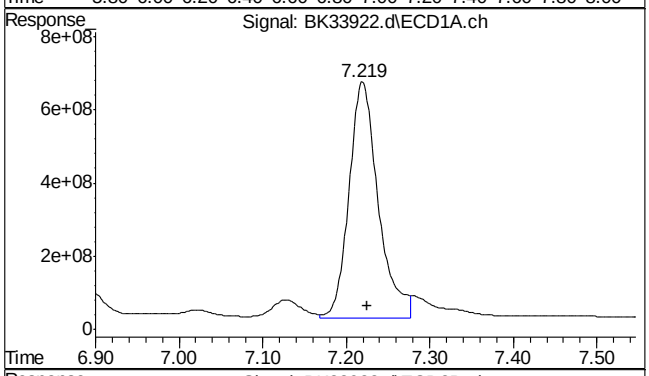
#9 AR1260-C

R.T.: 6.247 min
Delta R.T.: -0.005 min
Response: 22192313507
Conc: 797.69 ppb m



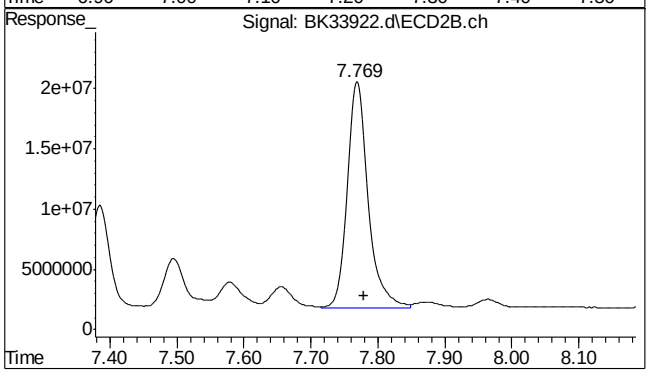
#9 AR1260-C

R.T.: 6.937 min
Delta R.T.: 0.119 min
Response: 547497018
Conc: 785.94 ppb m



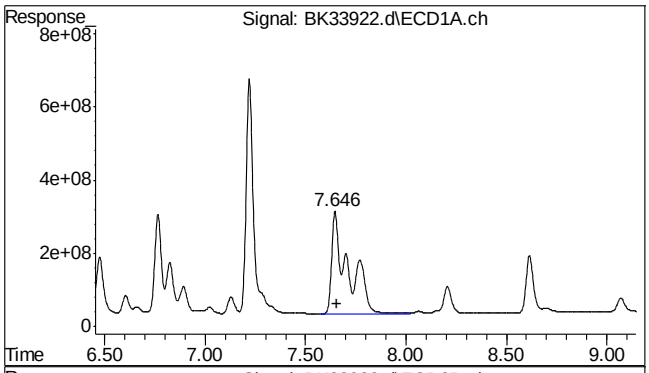
#10 AR1260-D

R.T.: 7.219 min
Delta R.T.: -0.006 min
Response: 15647213235
Conc: 754.46 ppb m



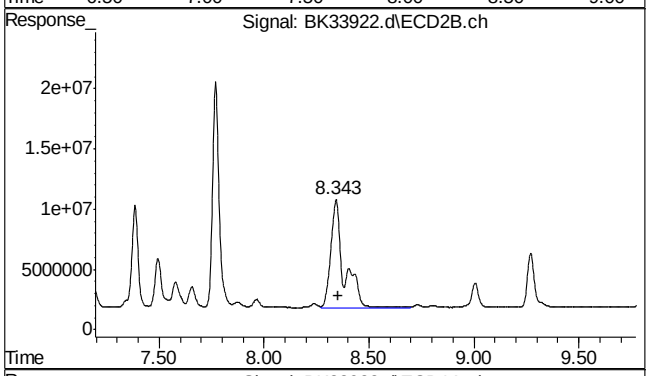
#10 AR1260-D

R.T.: 7.769 min
Delta R.T.: -0.010 min
Response: 402908350
Conc: 823.53 ppb m



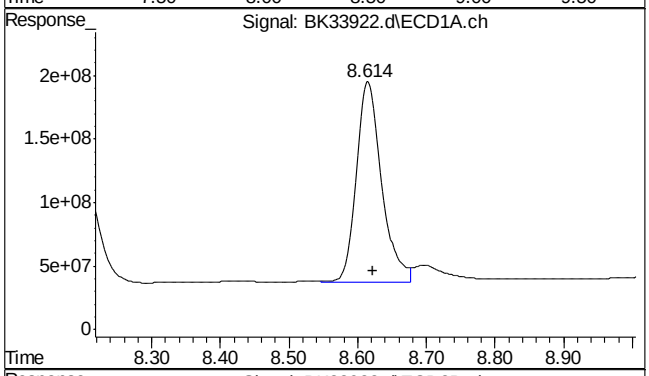
#11 AR1260-E

R.T.: 7.646 min
Delta R.T.: -0.008 min
Response: 16330664587
Conc: 739.29 ppb m



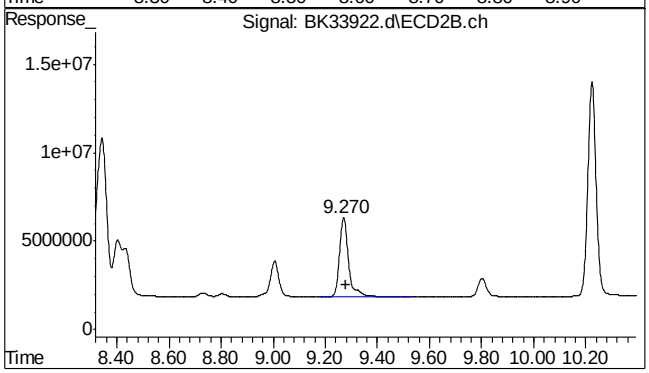
#11 AR1260-E

R.T.: 8.343 min
Delta R.T.: -0.012 min
Response: 390916452
Conc: 789.41 ppb m



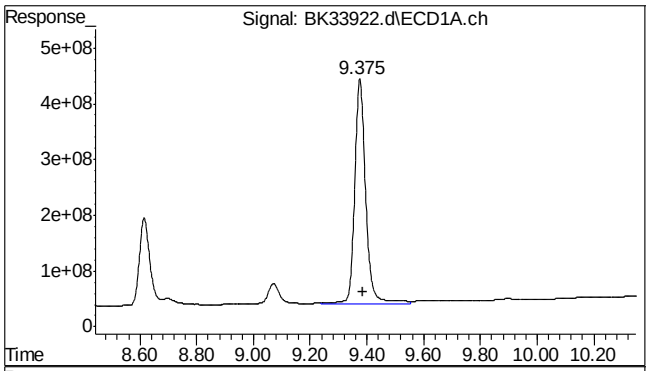
#12 AR1260-F

R.T.: 8.614 min
Delta R.T.: -0.009 min
Response: 4079405692
Conc: 704.43 m



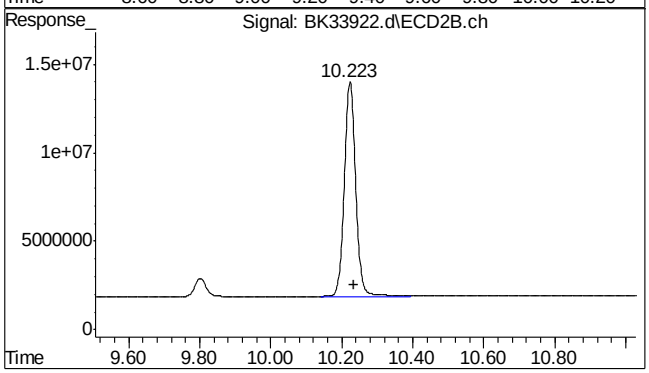
#12 AR1260-F

R.T.: 9.270 min
Delta R.T.: -0.010 min
Response: 108927491
Conc: 761.12 m



#13 DCB

R.T.: 9.375 min
Delta R.T.: -0.010 min
Response: 10860936657
Conc: 56.37 ppb m



#13 DCB

R.T.: 10.223 min
Delta R.T.: -0.012 min
Response: 269672542
Conc: 62.32 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
01/15/14 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33923.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 2:19 pm
Operator : nickk
Sample : icc1113-500,a16/60
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:43:23 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Jan 14 09:32:21 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.420	2.492	10572.2E6	335.2E6	59.407	69.209
	Spiked Amount 40.000			Recovery	= 148.52%	173.02%	
13) s	DCB	9.360	10.219	11439.1E6	298.6E6	59.367m	69.008m
	Spiked Amount 40.000			Recovery	= 148.42%	172.52%	
	Target Compounds						
2)	AR1016-A	2.706	2.898	2476.9E6	61771853	542.649m	639.287
3)	AR1016-B	3.016	3.261	4138.1E6	120.6E6	632.203	613.918m
4)	AR1016-C	3.448	3.712	9211.3E6	245.7E6	647.210	662.490
5)	AR1016-D	3.579f	3.852f	5709.2E6	94232586	658.201m	599.171m
6)	AR1016-E	4.004f	3.964f	3506.9E6	73414950	636.029m	644.525m
7)	AR1260-A	5.467	5.988	5574.5E6	157.6E6	618.158	657.793
8)	AR1260-B	5.837	6.279	10593.5E6	181.3E6	651.657m	639.631
9)	AR1260-C	6.226	6.933f	18230.6E6	471.4E6	655.287m	676.758m
10)	AR1260-D	7.201	7.764	13497.0E6	350.7E6	650.783m	716.875
11)	AR1260-E	7.628	8.339	13979.4E6	337.7E6	632.846m	681.948m
12)	AR1260-F	8.599	9.267	3614.9E6	94184033	624.225m	658.105m

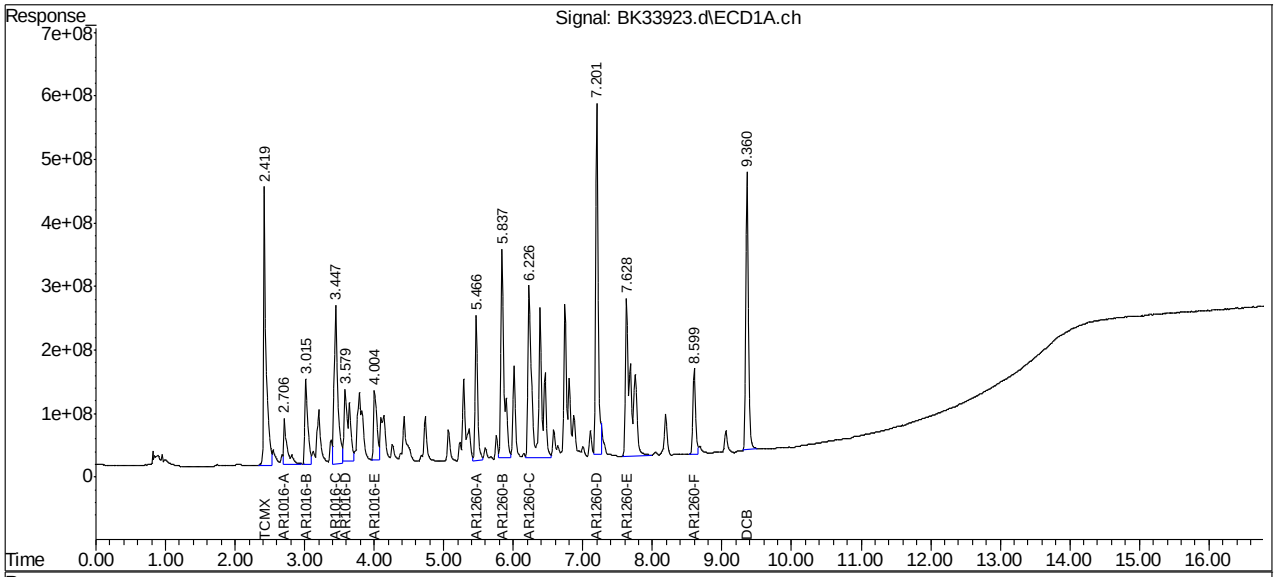
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

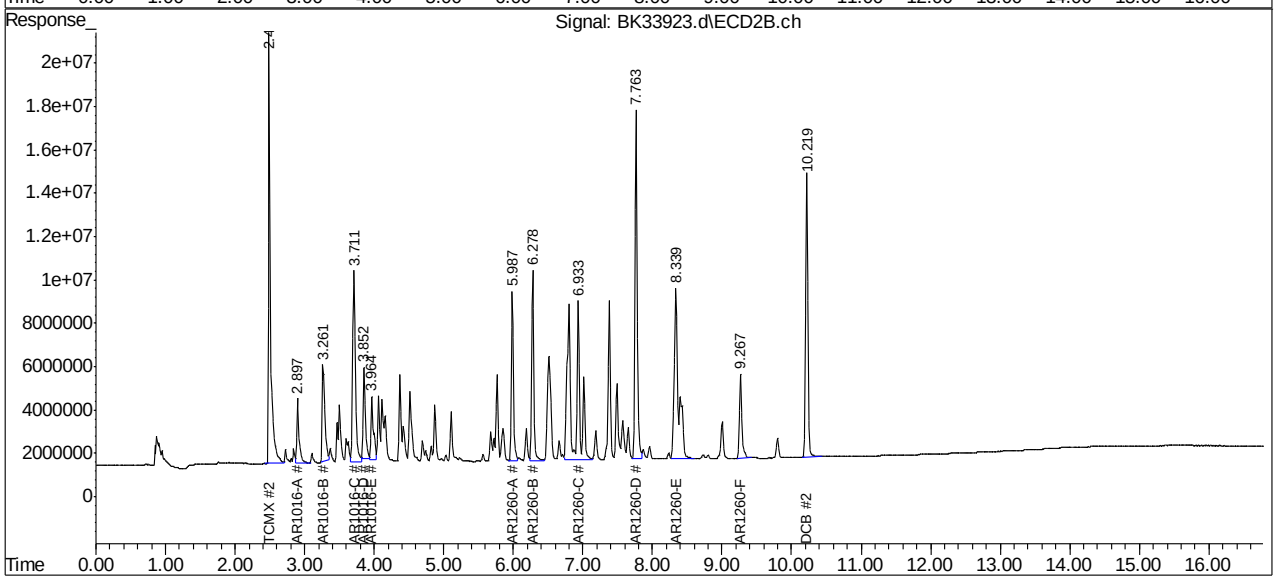
Quantitation Report (QT Reviewed)

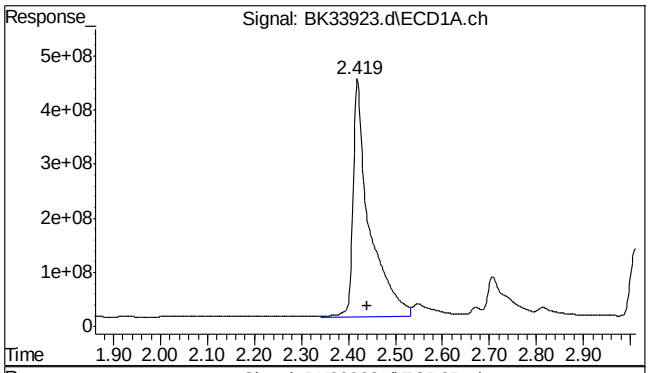
Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33923.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 2:19 pm
Operator : nickk
Sample : icc1113-500,a16/60
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:43:23 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Jan 14 09:32:21 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

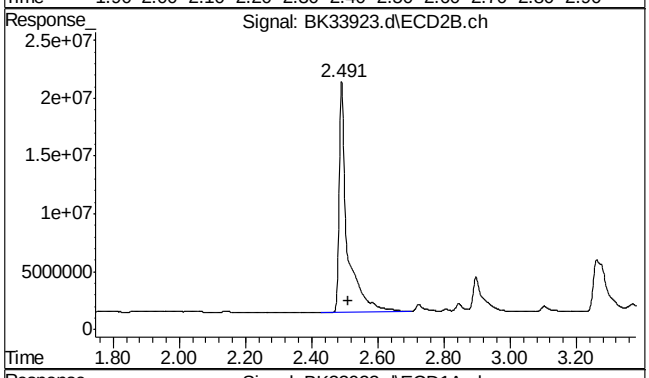






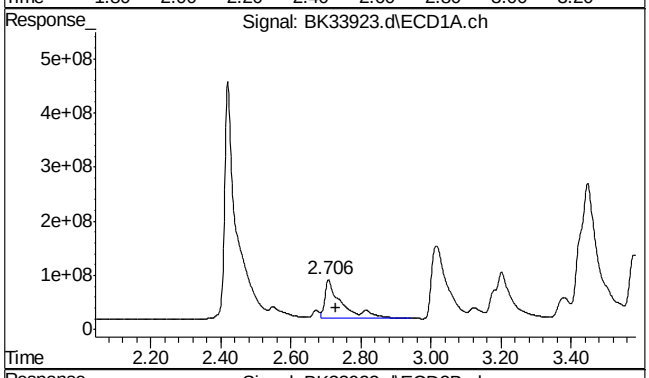
#1 TCMX

R.T.: 2.420 min
Delta R.T.: -0.021 min
Response: 10572198782
Conc: 59.41 ppb



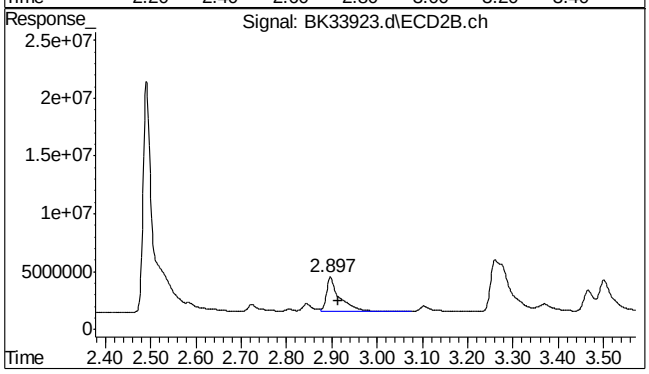
#1 TCMX

R.T.: 2.492 min
Delta R.T.: -0.018 min
Response: 335246473
Conc: 69.21 ppb



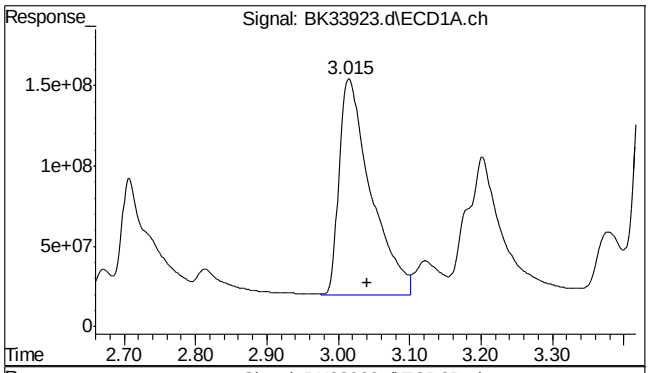
#2 AR1016-A

R.T.: 2.706 min
Delta R.T.: -0.022 min
Response: 2476930218
Conc: 542.65 ppb m



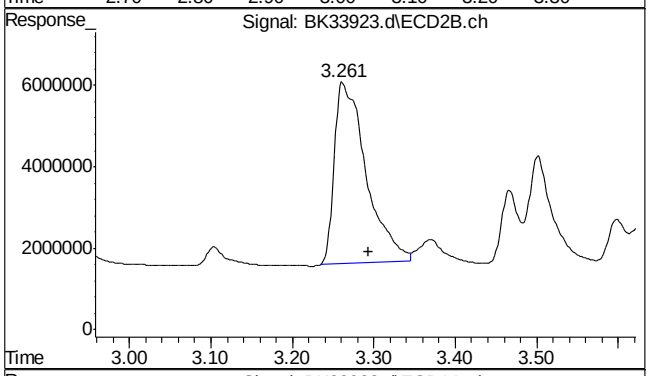
#2 AR1016-A

R.T.: 2.898 min
Delta R.T.: -0.017 min
Response: 61771853
Conc: 639.29 ppb



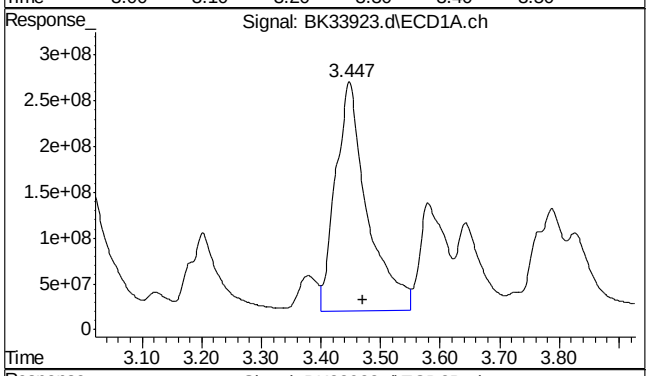
#3 AR1016-B

R.T.: 3.016 min
Delta R.T.: -0.025 min
Response: 4138081644
Conc: 632.20 ppb



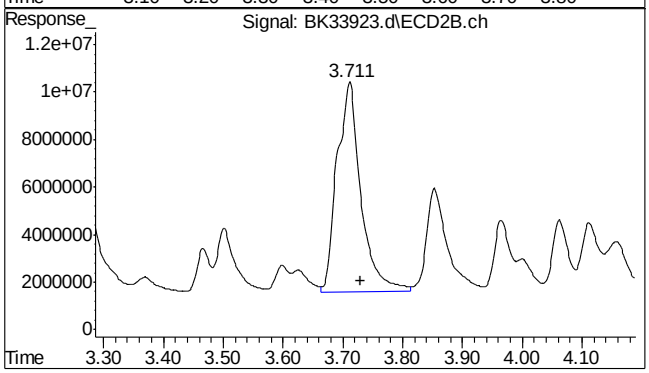
#3 AR1016-B

R.T.: 3.261 min
Delta R.T.: -0.033 min
Response: 120644387
Conc: 613.92 ppb m



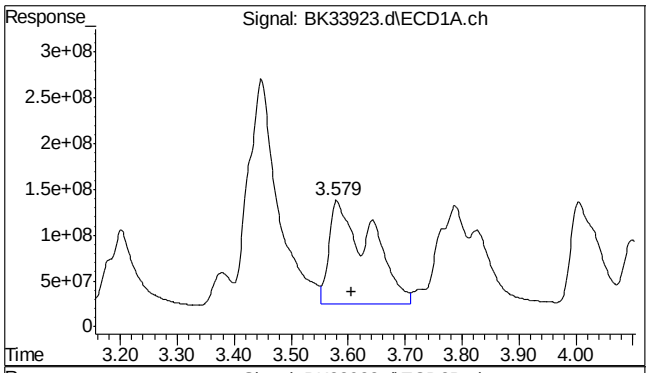
#4 AR1016-C

R.T.: 3.448 min
Delta R.T.: -0.023 min
Response: 9211263344
Conc: 647.21 ppb



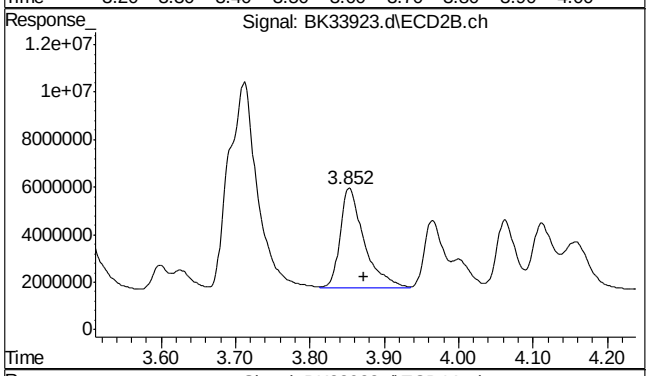
#4 AR1016-C

R.T.: 3.712 min
Delta R.T.: -0.018 min
Response: 245723503
Conc: 662.49 ppb



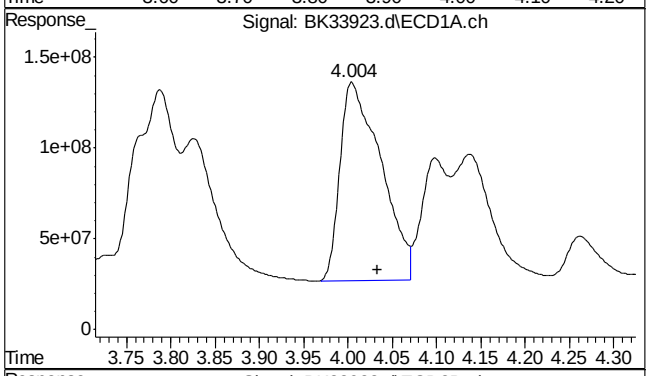
#5 AR1016-D

R.T.: 3.579 min
Delta R.T.: -0.027 min
Response: 5709205527
Conc: 658.20 m



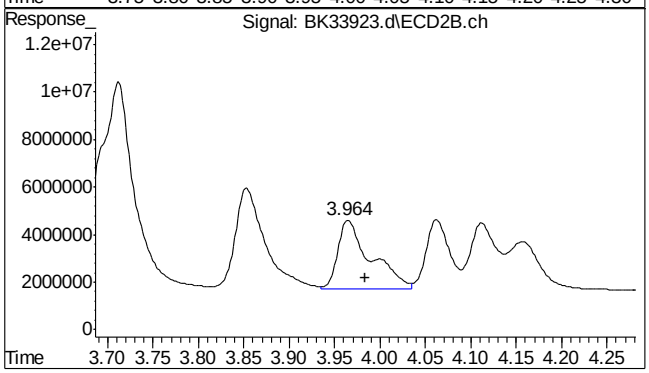
#5 AR1016-D

R.T.: 3.852 min
Delta R.T.: -0.021 min
Response: 94232586
Conc: 599.17 m



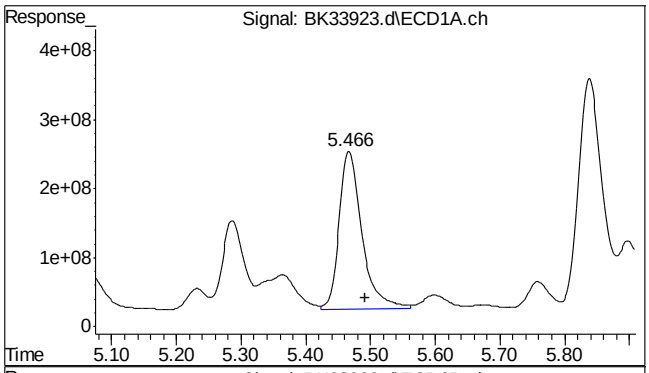
#6 AR1016-E

R.T.: 4.004 min
Delta R.T.: -0.029 min
Response: 3506867091
Conc: 636.03 m



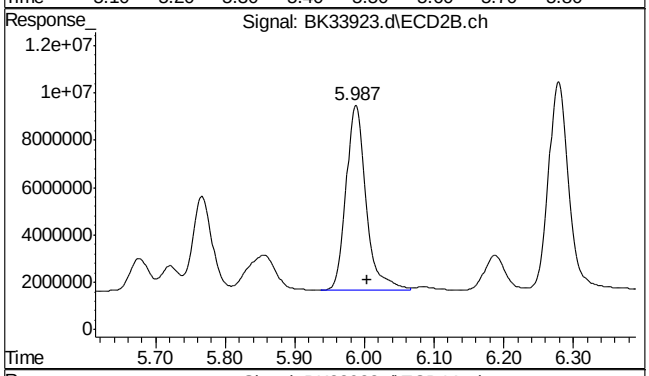
#6 AR1016-E

R.T.: 3.964 min
Delta R.T.: -0.019 min
Response: 73414950
Conc: 644.53 m



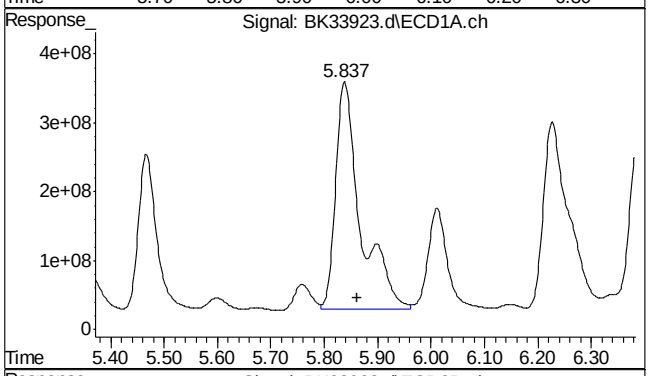
#7 AR1260-A

R.T.: 5.467 min
Delta R.T.: -0.025 min
Response: 5574504250
Conc: 618.16 ppb



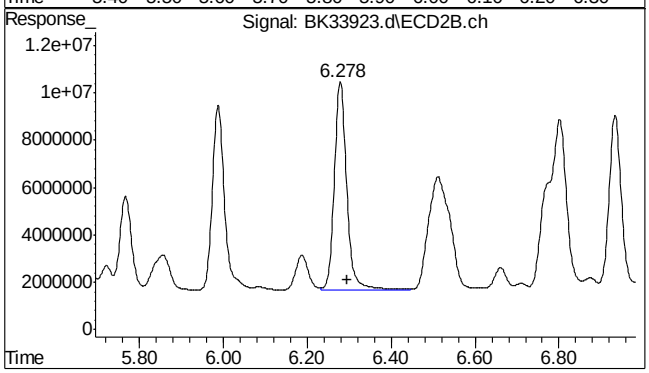
#7 AR1260-A

R.T.: 5.988 min
Delta R.T.: -0.016 min
Response: 157641885
Conc: 657.79 ppb



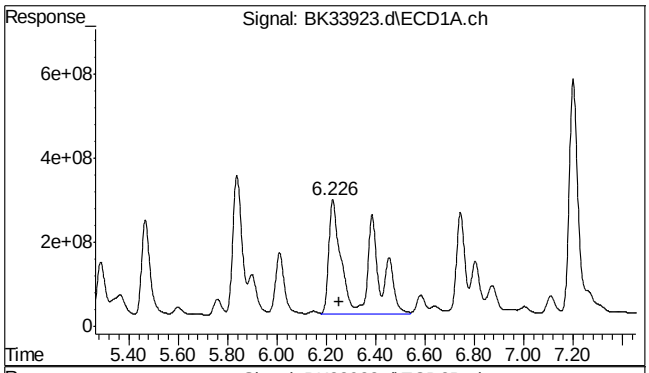
#8 AR1260-B

R.T.: 5.837 min
Delta R.T.: -0.025 min
Response: 10593500283
Conc: 651.66 ppb m



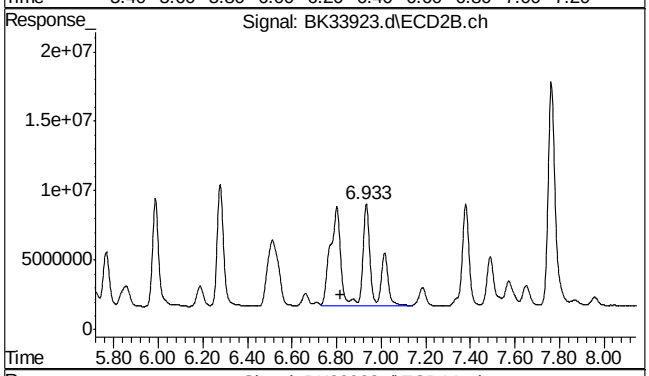
#8 AR1260-B

R.T.: 6.279 min
Delta R.T.: -0.016 min
Response: 181272304
Conc: 639.63 ppb



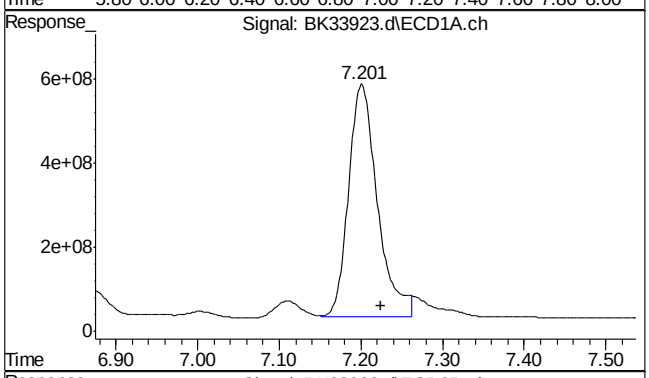
#9 AR1260-C

R.T.: 6.226 min
Delta R.T.: -0.025 min
Response: 18230586204
Conc: 655.29 ppb m



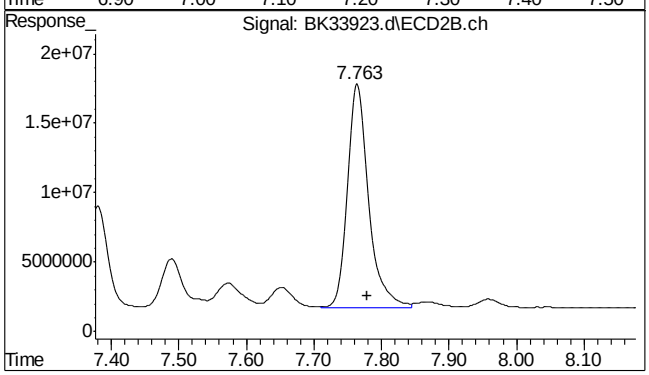
#9 AR1260-C

R.T.: 6.933 min
Delta R.T.: 0.115 min
Response: 471436963
Conc: 676.76 ppb m



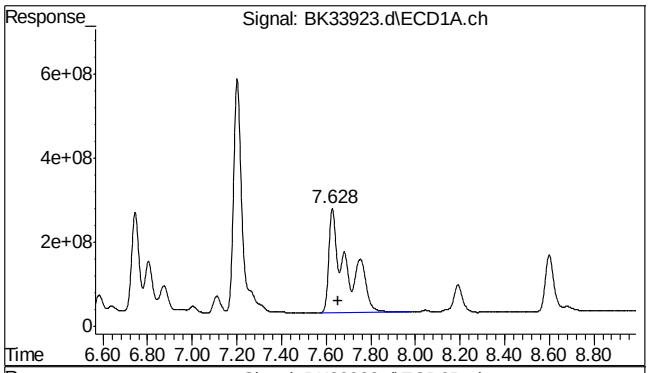
#10 AR1260-D

R.T.: 7.201 min
Delta R.T.: -0.024 min
Response: 13497000585
Conc: 650.78 ppb m



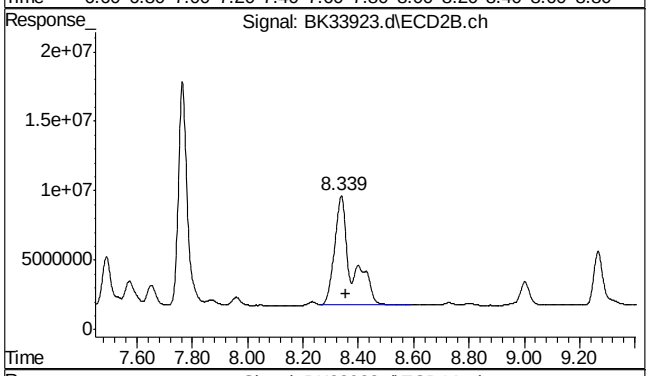
#10 AR1260-D

R.T.: 7.764 min
Delta R.T.: -0.015 min
Response: 350729335
Conc: 716.87 ppb



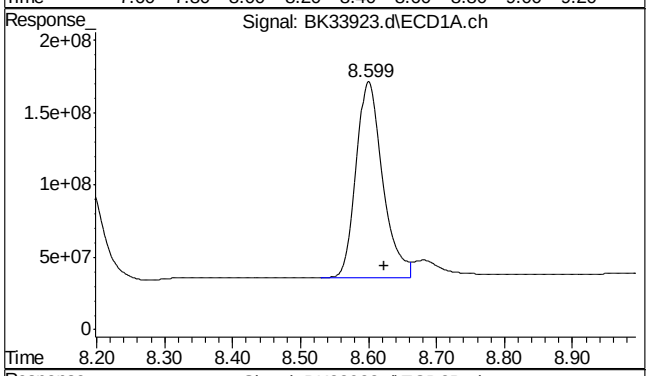
#11 AR1260-E

R.T.: 7.628 min
Delta R.T.: -0.026 min
Response: 13979430636
Conc: 632.85 ppb m



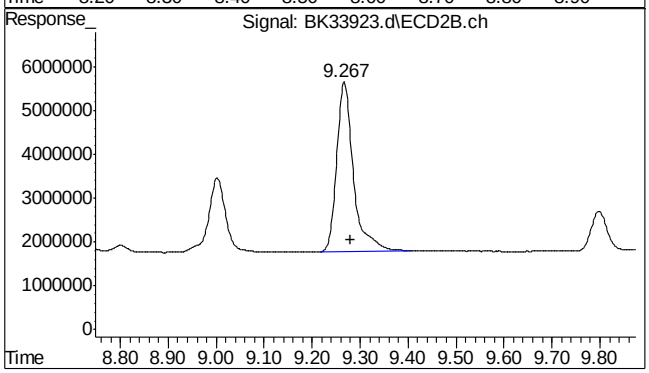
#11 AR1260-E

R.T.: 8.339 min
Delta R.T.: -0.016 min
Response: 337699696
Conc: 681.95 ppb m



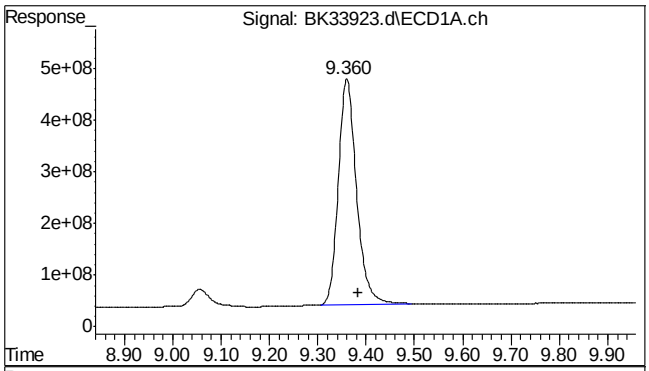
#12 AR1260-F

R.T.: 8.599 min
Delta R.T.: -0.024 min
Response: 3614930621
Conc: 624.23 m



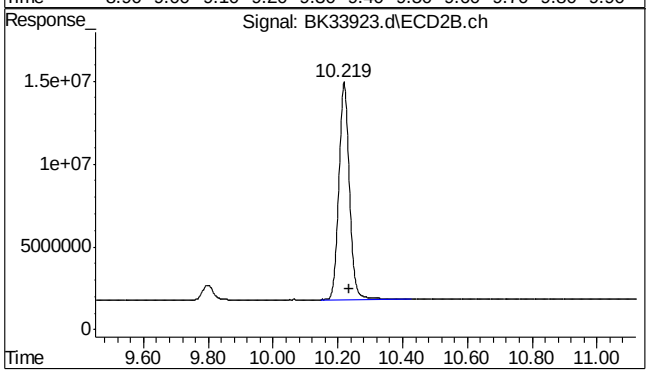
#12 AR1260-F

R.T.: 9.267 min
Delta R.T.: -0.013 min
Response: 94184033
Conc: 658.11 m



#13 DCB

R.T.: 9.360 min
Delta R.T.: -0.025 min
Response: 11439075850
Conc: 59.37 ppb m



#13 DCB

R.T.: 10.219 min
Delta R.T.: -0.016 min
Response: 298609779
Conc: 69.01 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
01/15/14 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33924.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 2:38 pm
Operator : nickk
Sample : ic1113-250,a16/60
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:19:59 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Jan 14 09:32:21 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.418	2.492	7994.6E6	258.5E6	44.924m	53.363
	Spiked Amount 40.000			Recovery	= 112.31%	133.41%	
13) s	DCB	9.358	10.218	9090.9E6	235.7E6	47.180m	54.480
	Spiked Amount 40.000			Recovery	= 117.95%	136.20%	
	Target Compounds						
2)	AR1016-A	2.706	2.898	1278.5E6	30267024	280.091m	313.238
3)	AR1016-B	3.014	3.263	2010.1E6	61730824	307.090m	314.127
4)	AR1016-C	3.446	3.712	4332.8E6	119.3E6	304.438m	321.557
5)	AR1016-D	3.578f	3.854f	2724.7E6	52425198	314.125m	333.342
6)	AR1016-E	4.002f	3.964f	1702.0E6	36112797	308.691m	317.042m
7)	AR1260-A	5.465	5.987	2845.3E6	76682252	315.520	319.972
8)	AR1260-B	5.836	6.279	5072.3E6	90223695	312.019m	318.360
9)	AR1260-C	6.224	6.933f	8828.2E6	225.7E6	317.322m	324.068m
10)	AR1260-D	7.198	7.765	6334.8E6	165.7E6	305.446m	338.623
11)	AR1260-E	7.626	8.337	6689.9E6	161.8E6	302.849m	326.734m
12)	AR1260-F	8.598	9.266	1739.0E6	45877529	300.292	320.567

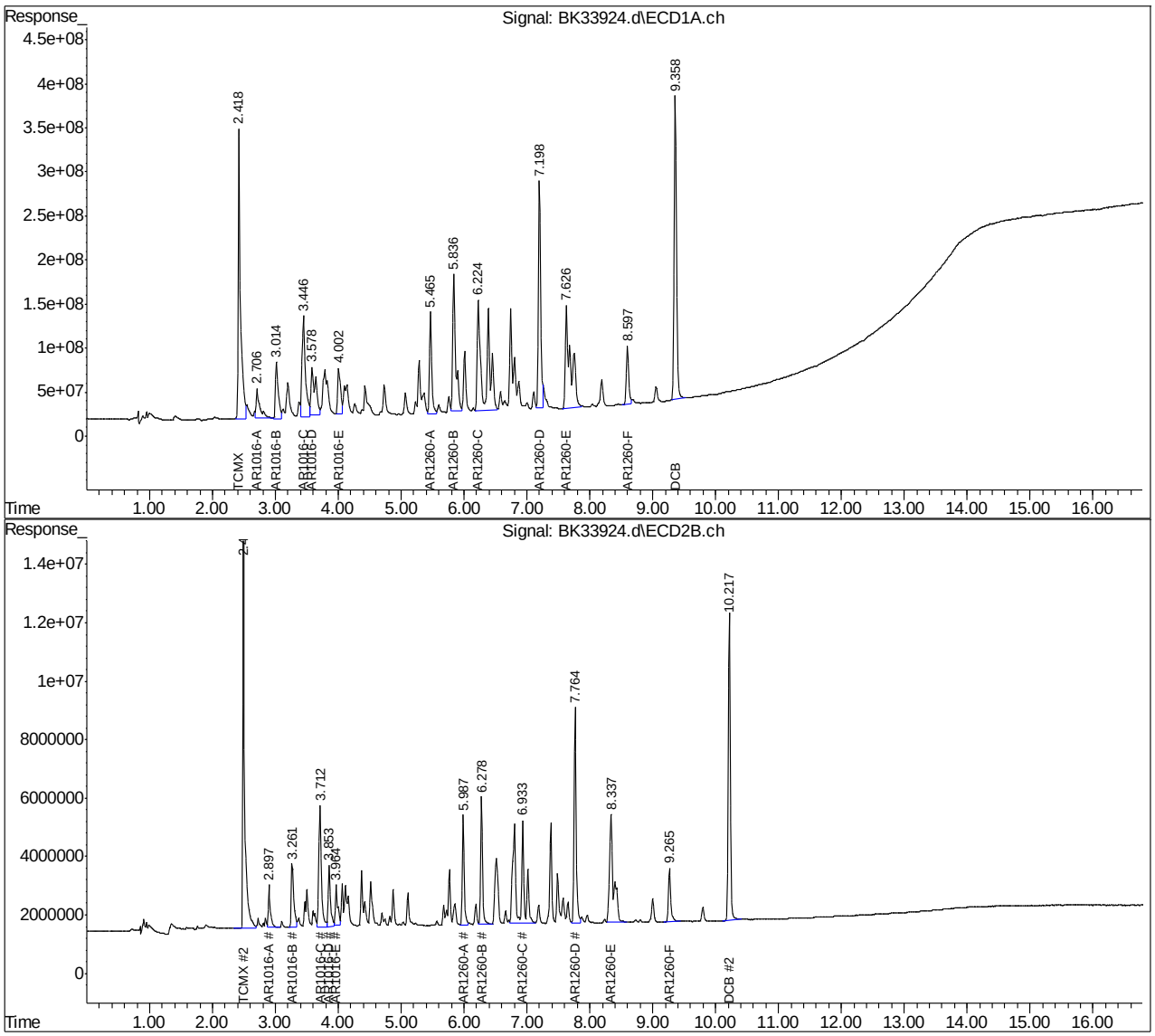
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

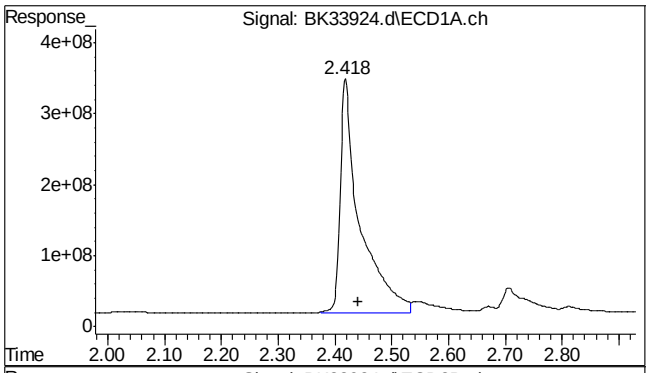
Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33924.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 2:38 pm
Operator : nickk
Sample : ic1113-250,a16/60
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:19:59 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Jan 14 09:32:21 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

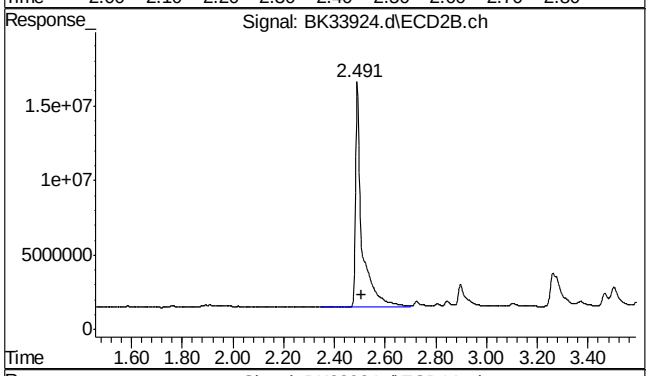


ACCUTEST LABORATORIES MC27551



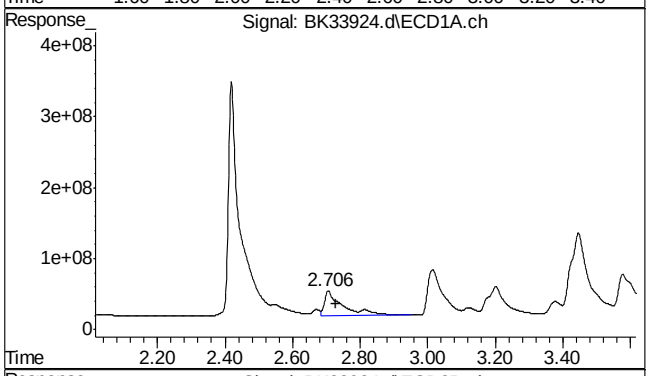
#1 TCMX

R.T.: 2.418 min
Delta R.T.: -0.023 min
Response: 7994647859
Conc: 44.92 ppb m



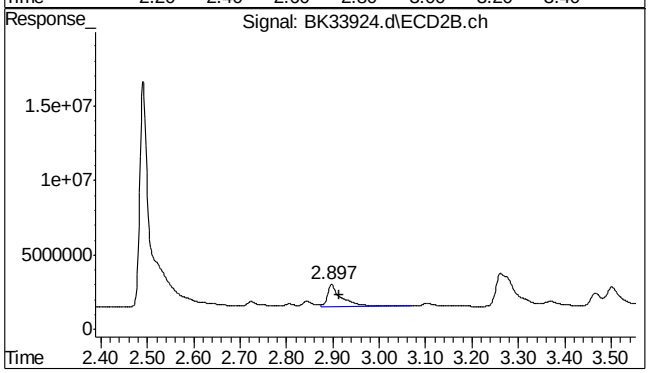
#1 TCMX

R.T.: 2.492 min
Delta R.T.: -0.018 min
Response: 258488172
Conc: 53.36 ppb



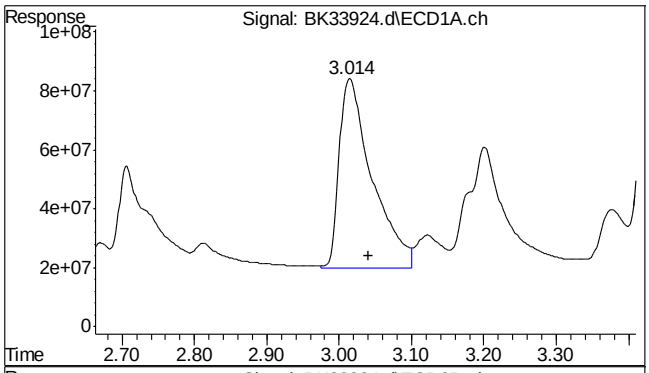
#2 AR1016-A

R.T.: 2.706 min
Delta R.T.: -0.022 min
Response: 1278479625
Conc: 280.09 ppb m



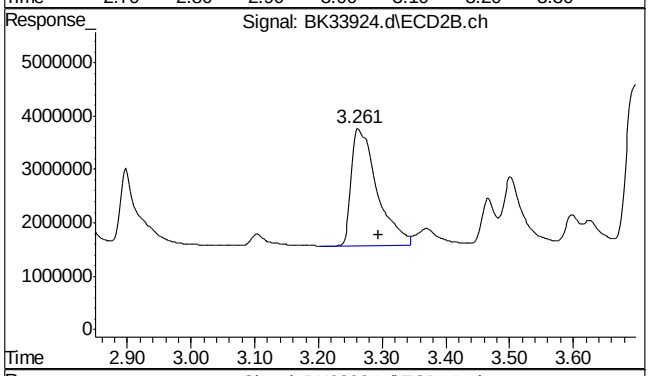
#2 AR1016-A

R.T.: 2.898 min
Delta R.T.: -0.017 min
Response: 30267024
Conc: 313.24 ppb



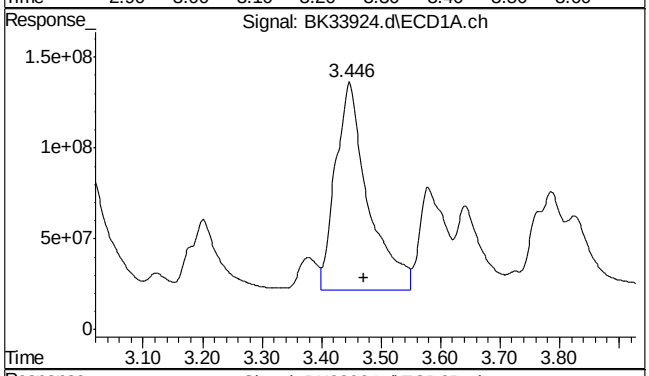
#3 AR1016-B

R.T.: 3.014 min
Delta R.T.: -0.027 min
Response: 2010056212
Conc: 307.09 ppb m



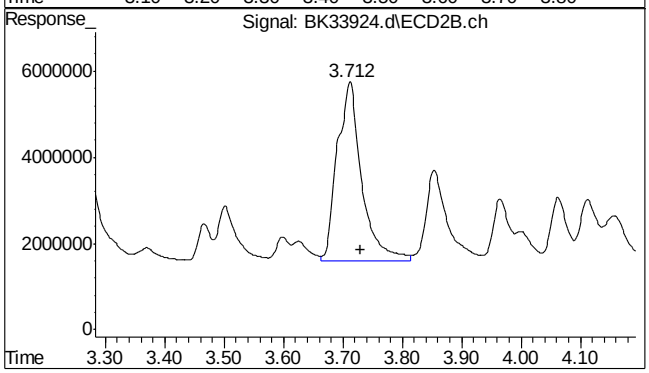
#3 AR1016-B

R.T.: 3.263 min
Delta R.T.: -0.031 min
Response: 61730824
Conc: 314.13 ppb



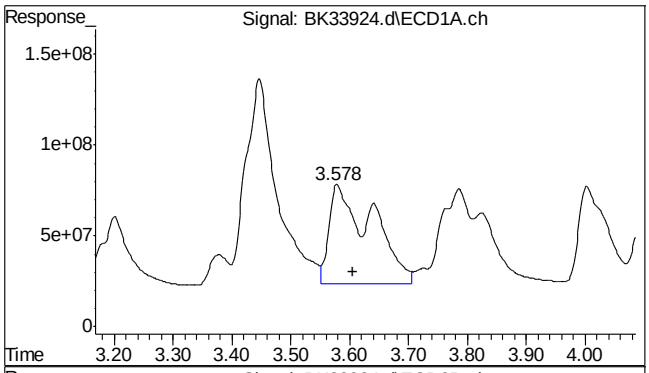
#4 AR1016-C

R.T.: 3.446 min
Delta R.T.: -0.025 min
Response: 4332845186
Conc: 304.44 ppb m



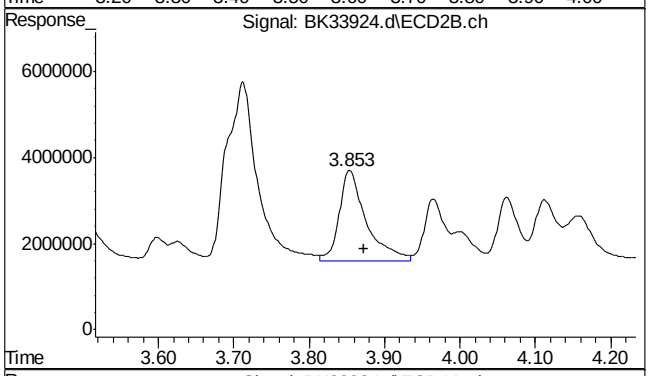
#4 AR1016-C

R.T.: 3.712 min
Delta R.T.: -0.018 min
Response: 119268393
Conc: 321.56 ppb



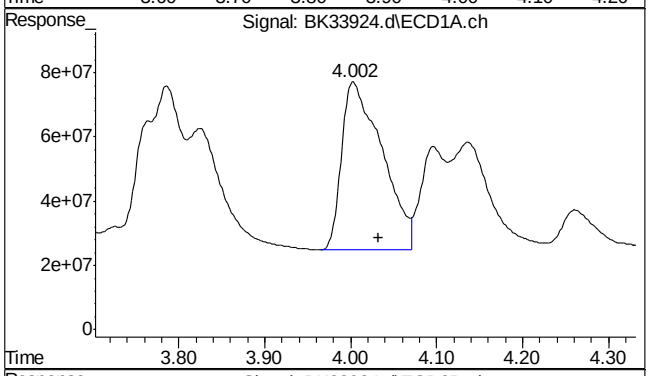
#5 AR1016-D

R.T.: 3.578 min
Delta R.T.: -0.028 min
Response: 2724709656
Conc: 314.13 m



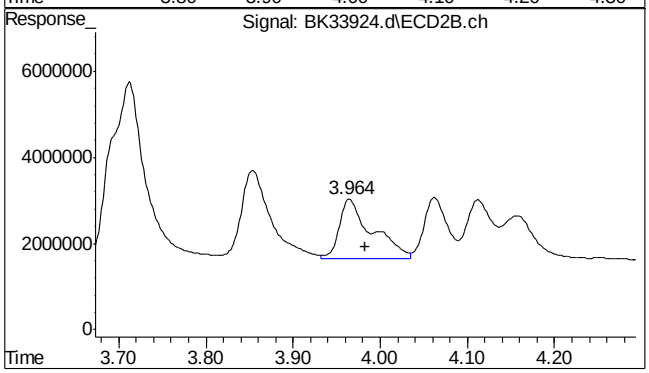
#5 AR1016-D

R.T.: 3.854 min
Delta R.T.: -0.019 min
Response: 52425198
Conc: 333.34



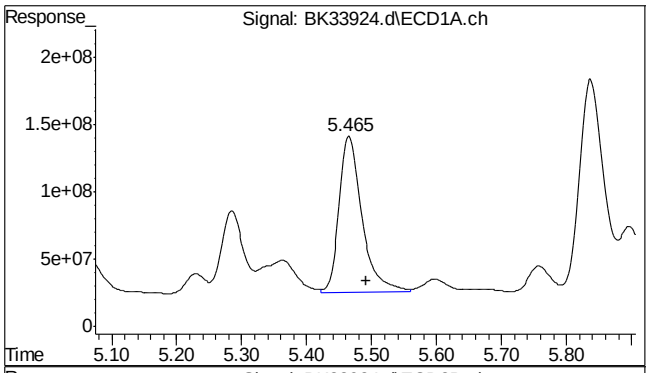
#6 AR1016-E

R.T.: 4.002 min
Delta R.T.: -0.031 min
Response: 1702029928
Conc: 308.69 m



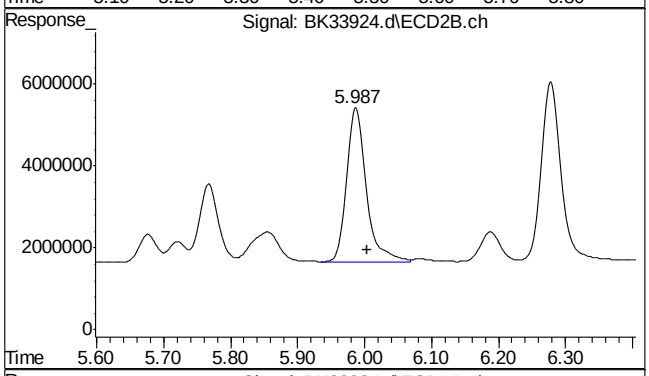
#6 AR1016-E

R.T.: 3.964 min
Delta R.T.: -0.019 min
Response: 36112797
Conc: 317.04 m



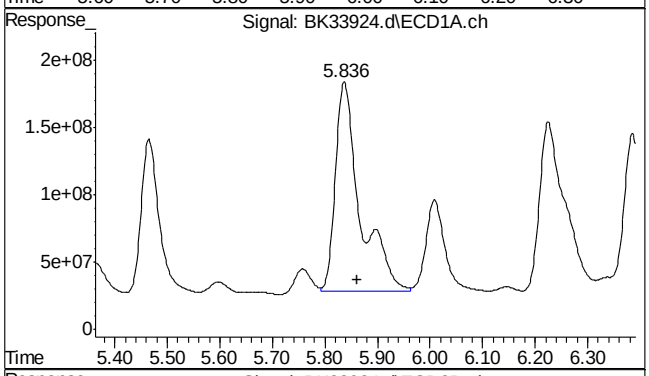
#7 AR1260-A

R.T.: 5.465 min
Delta R.T.: -0.027 min
Response: 2845337055
Conc: 315.52 ppb



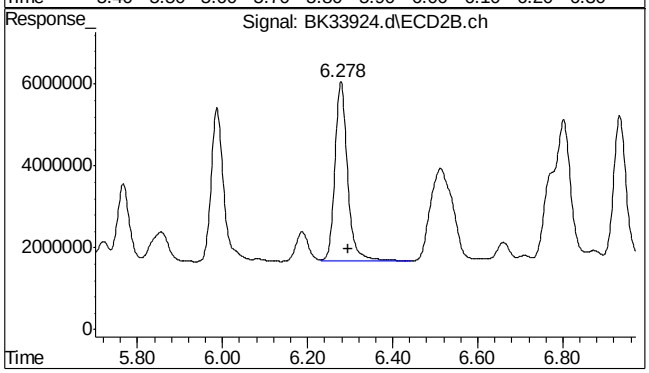
#7 AR1260-A

R.T.: 5.987 min
Delta R.T.: -0.017 min
Response: 76682252
Conc: 319.97 ppb



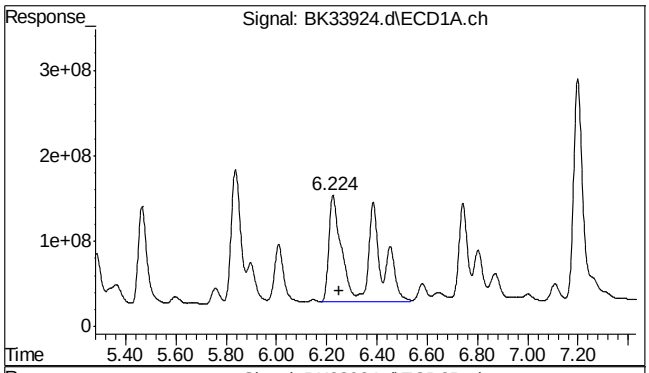
#8 AR1260-B

R.T.: 5.836 min
Delta R.T.: -0.026 min
Response: 5072260074
Conc: 312.02 ppb m



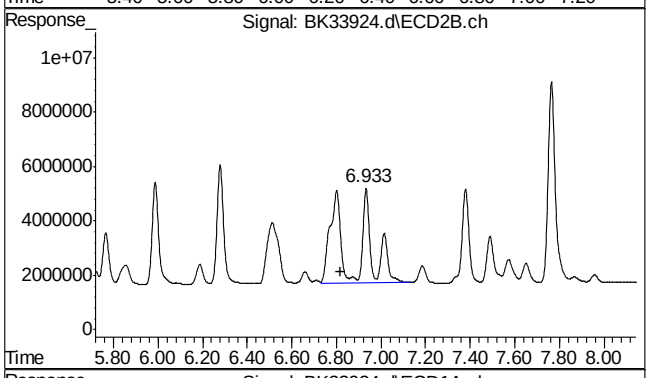
#8 AR1260-B

R.T.: 6.279 min
Delta R.T.: -0.016 min
Response: 90223695
Conc: 318.36 ppb



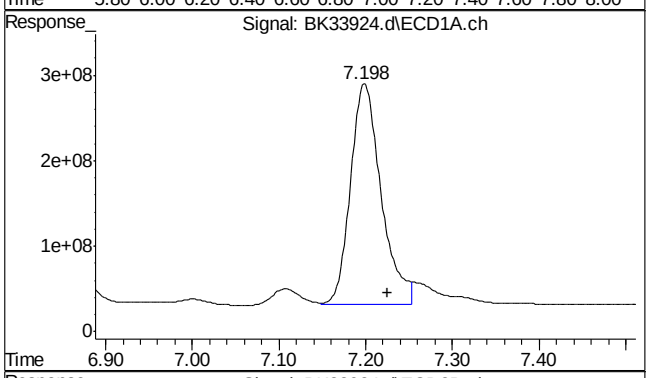
#9 AR1260-C

R.T.: 6.224 min
Delta R.T.: -0.027 min
Response: 8828155786
Conc: 317.32 ppb m



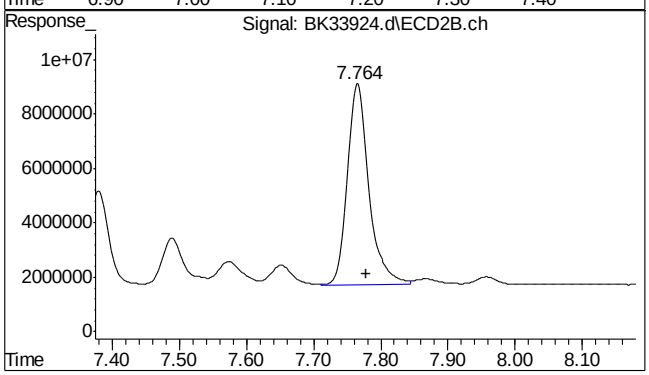
#9 AR1260-C

R.T.: 6.933 min
Delta R.T.: 0.115 min
Response: 225749383
Conc: 324.07 ppb m



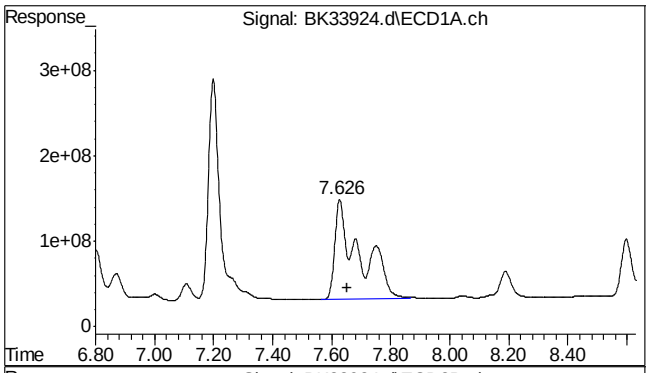
#10 AR1260-D

R.T.: 7.198 min
Delta R.T.: -0.027 min
Response: 6334842624
Conc: 305.45 ppb m



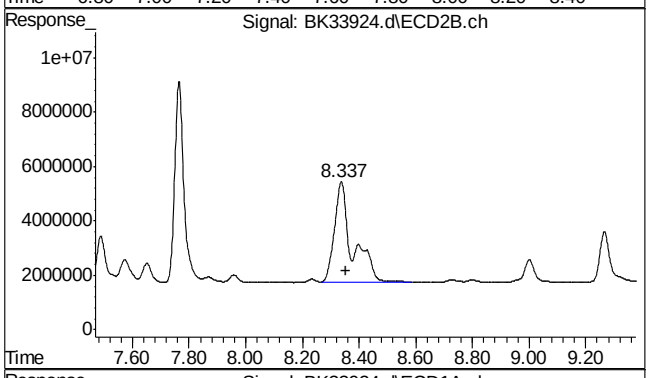
#10 AR1260-D

R.T.: 7.765 min
Delta R.T.: -0.014 min
Response: 165670630
Conc: 338.62 ppb



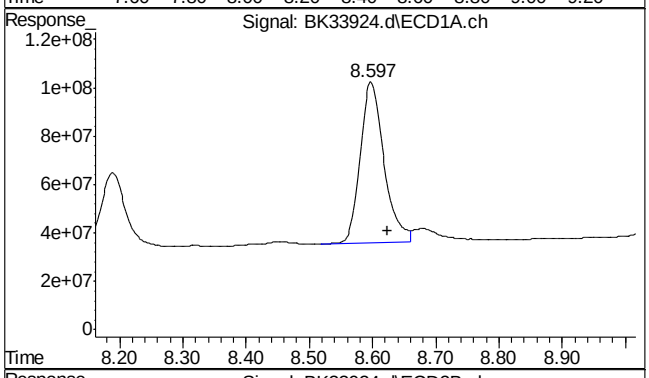
#11 AR1260-E

R.T.: 7.626 min
Delta R.T.: -0.028 min
Response: 6689864872
Conc: 302.85 ppb m



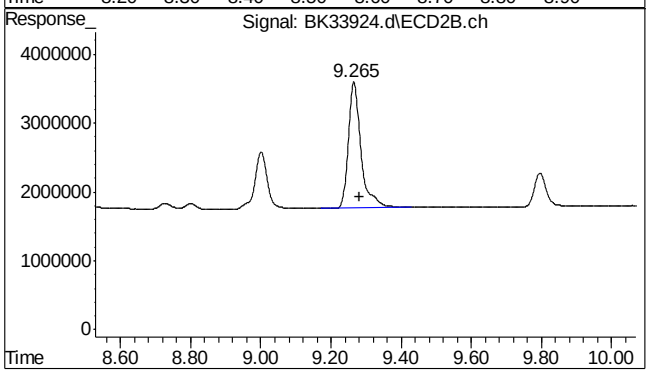
#11 AR1260-E

R.T.: 8.337 min
Delta R.T.: -0.018 min
Response: 161797997
Conc: 326.73 ppb m



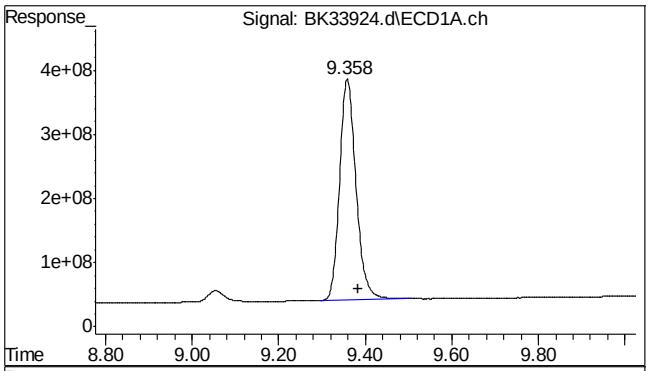
#12 AR1260-F

R.T.: 8.598 min
Delta R.T.: -0.025 min
Response: 1739009216
Conc: 300.29



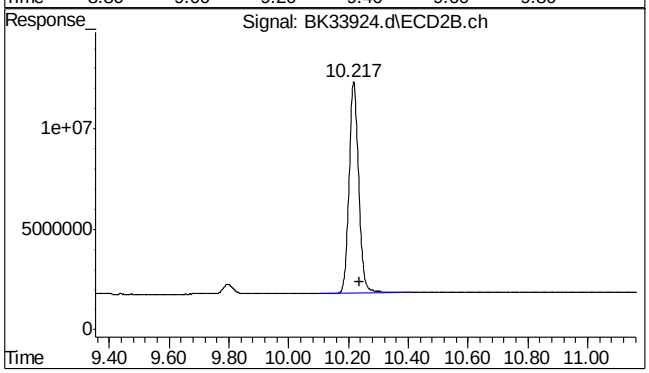
#12 AR1260-F

R.T.: 9.266 min
Delta R.T.: -0.014 min
Response: 45877529
Conc: 320.57



#13 DCB

R.T.: 9.358 min
Delta R.T.: -0.027 min
Response: 9090852005
Conc: 47.18 ppb m



#13 DCB

R.T.: 10.218 min
Delta R.T.: -0.017 min
Response: 235745363
Conc: 54.48 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
01/15/14 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33925.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 2:57 pm
Operator : nickk
Sample : ic1113-100,a16/60
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:45:25 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Wed Jan 15 08:27:14 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.420	2.493	3402.7E6	106.8E6	16.950	16.650
	Spiked Amount 40.000			Recovery	=	42.37%	41.62%
13) s	DCB	9.357	10.218	4080.1E6	102.2E6	17.656m	17.340m
	Spiked Amount 40.000			Recovery	=	44.14%	43.35%
	Target Compounds						
2)	AR1016-A	2.706	2.899	485.1E6	13493004	103.971m	111.784
3)	AR1016-B	3.015	3.261	863.2E6	26547027	107.579m	108.969m
4)	AR1016-C	3.446	3.712	1739.0E6	48797544	101.807m	105.001m
5)	AR1016-D	3.578	3.853	1138.2E6	19987730	102.882m	102.997m
6)	AR1016-E	4.002	3.964	768.6E6	15022679	111.920m	109.970m
7)	AR1260-A	5.465	5.986	1241.1E6	33316966	112.312m	108.991m
8)	AR1260-B	5.836	6.277	2240.3E6	39275017	109.276m	111.533m
9)	AR1260-C	6.224	6.933	3872.3E6	98469203	110.825m	108.791m
10)	AR1260-D	7.199	7.764	2717.7E6	69822142	108.371m	107.151m
11)	AR1260-E	7.627	8.337	2941.6E6	70181545	111.317m	109.686m
12)	AR1260-F	8.596	9.266	714.8E6	19548818	106.346m	108.206m

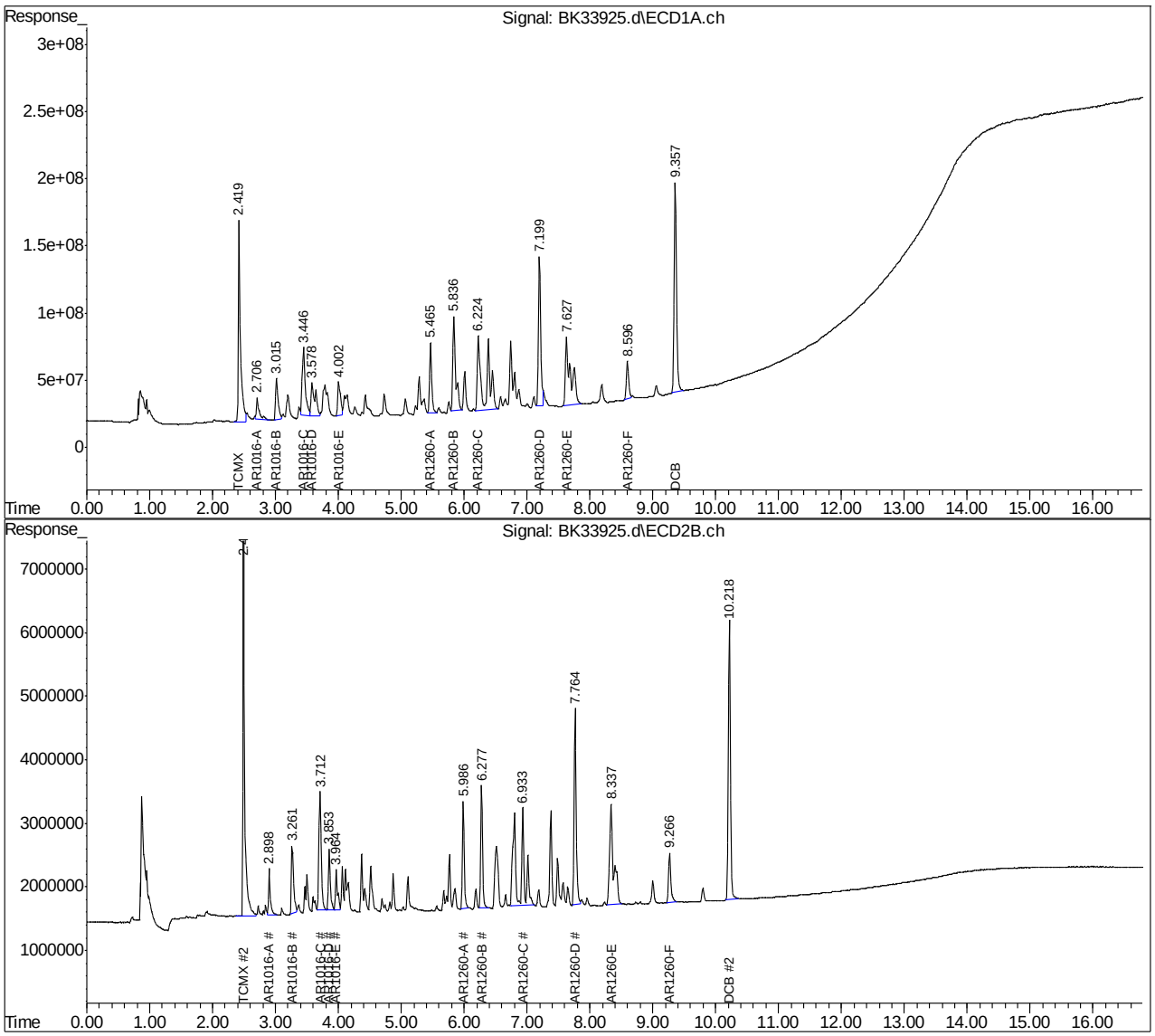
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

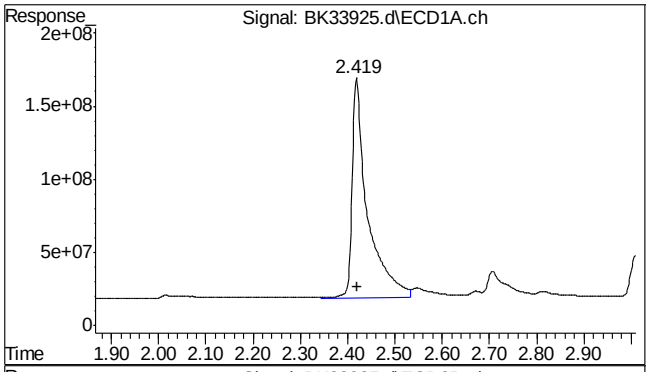
Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33925.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 2:57 pm
Operator : nickk
Sample : ic1113-100,a16/60
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:45:25 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Wed Jan 15 08:27:14 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

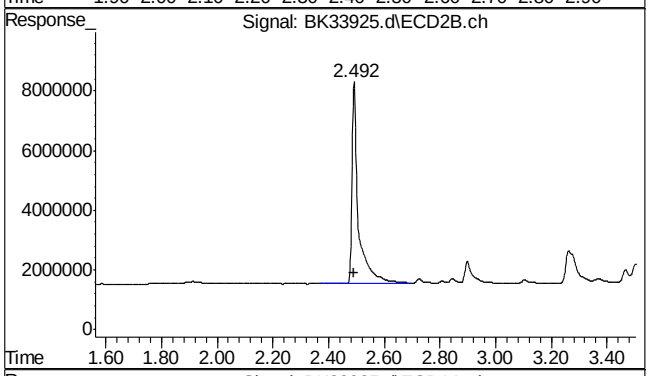


ACCUTEST LABORATORIES MC27551



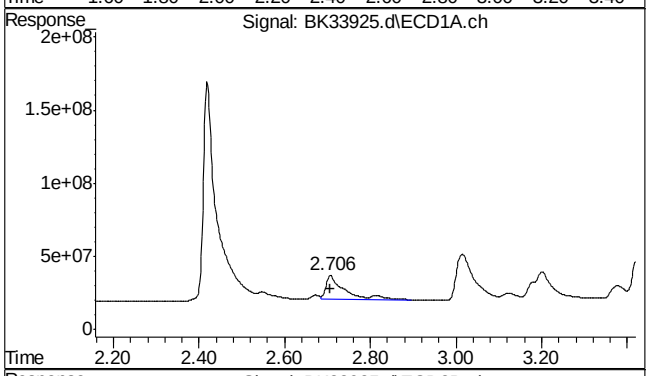
#1 TCMX

R.T.: 2.420 min
Delta R.T.: 0.000 min
Response: 3402681129
Conc: 16.95 ppb



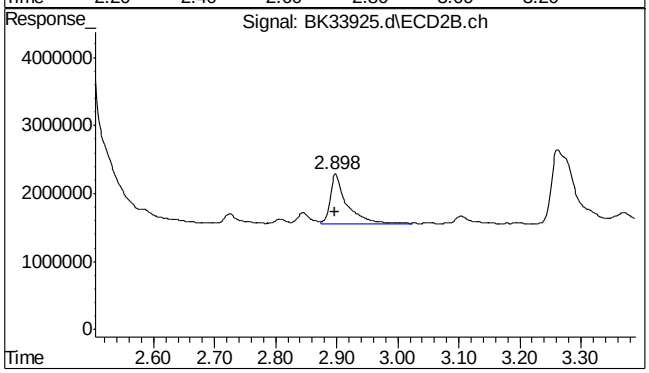
#1 TCMX

R.T.: 2.493 min
Delta R.T.: 0.000 min
Response: 106841177
Conc: 16.65 ppb



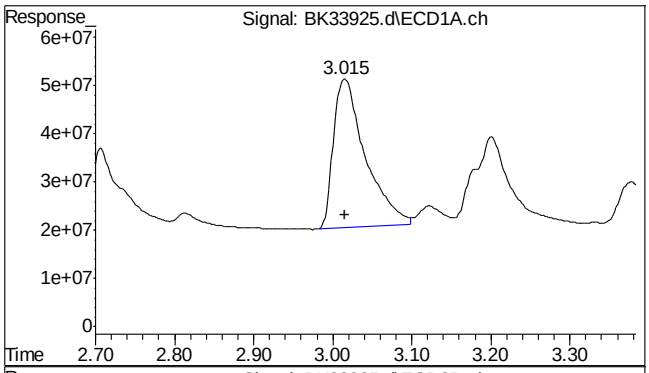
#2 AR1016-A

R.T.: 2.706 min
Delta R.T.: 0.000 min
Response: 485114829
Conc: 103.97 ppb m



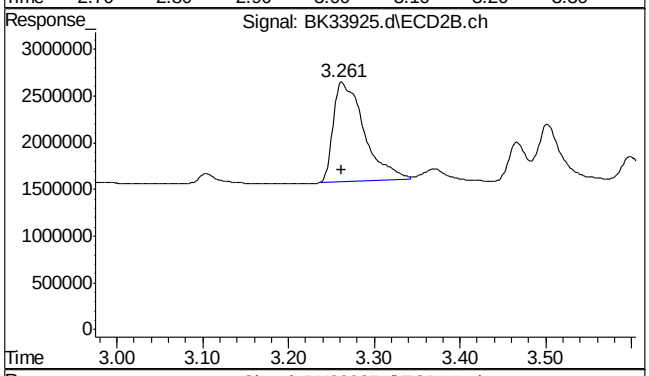
#2 AR1016-A

R.T.: 2.899 min
Delta R.T.: 0.000 min
Response: 13493004
Conc: 111.78 ppb



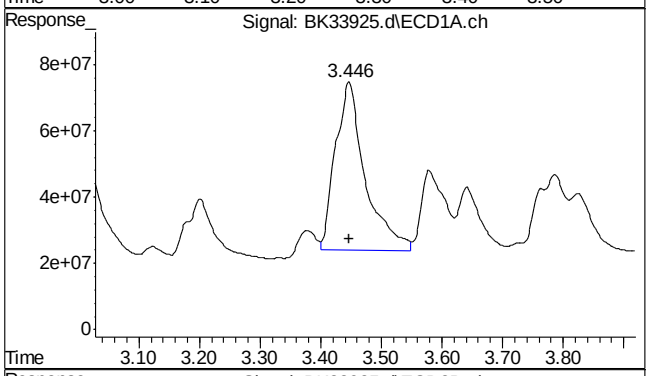
#3 AR1016-B

R.T.: 3.015 min
Delta R.T.: 0.000 min
Response: 863201698
Conc: 107.58 ppb m



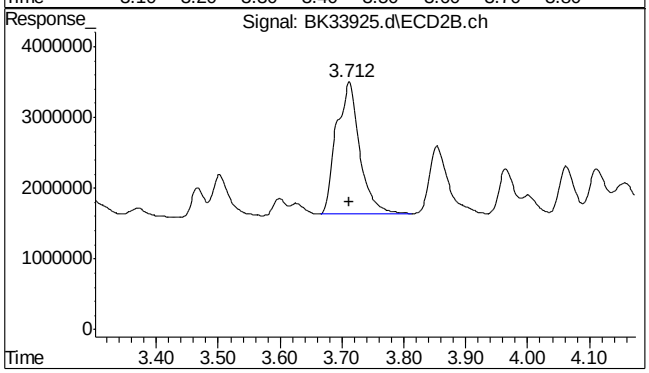
#3 AR1016-B

R.T.: 3.261 min
Delta R.T.: 0.000 min
Response: 26547027
Conc: 108.97 ppb m



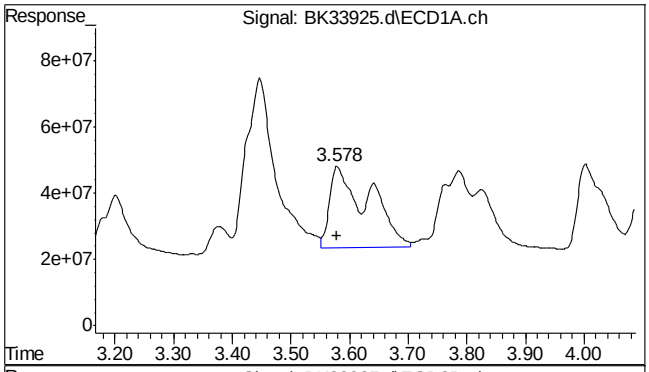
#4 AR1016-C

R.T.: 3.446 min
Delta R.T.: -0.002 min
Response: 1739009981
Conc: 101.81 ppb m



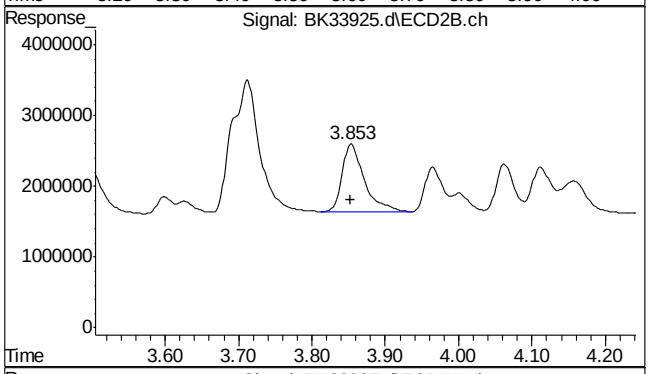
#4 AR1016-C

R.T.: 3.712 min
Delta R.T.: 0.000 min
Response: 48797544
Conc: 105.00 ppb m



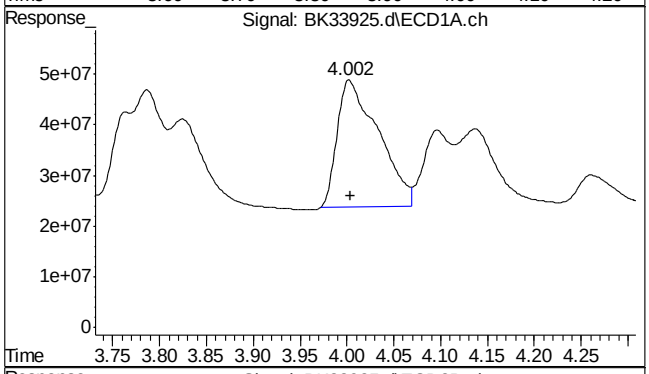
#5 AR1016-D

R.T.: 3.578 min
Delta R.T.: 0.000 min
Response: 1138159534
Conc: 102.88 m



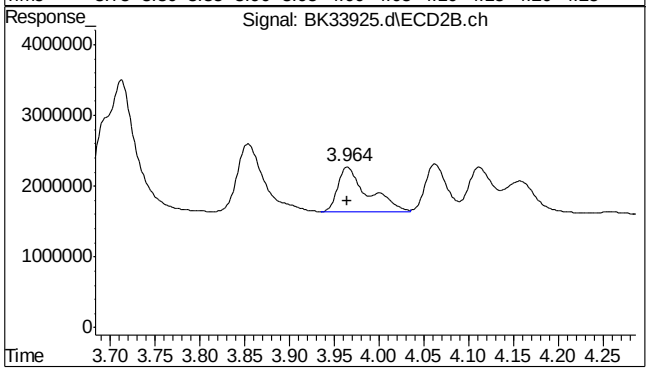
#5 AR1016-D

R.T.: 3.853 min
Delta R.T.: 0.000 min
Response: 19987730
Conc: 103.00 m



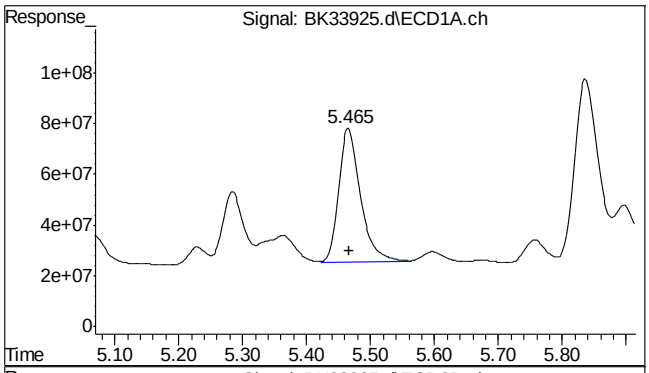
#6 AR1016-E

R.T.: 4.002 min
Delta R.T.: -0.002 min
Response: 768634884
Conc: 111.92 m



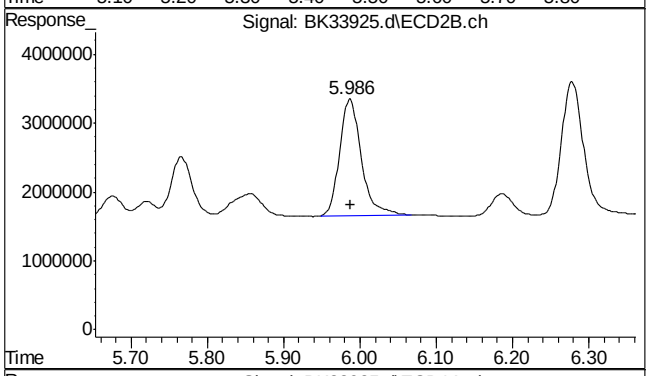
#6 AR1016-E

R.T.: 3.964 min
Delta R.T.: 0.000 min
Response: 15022679
Conc: 109.97 m



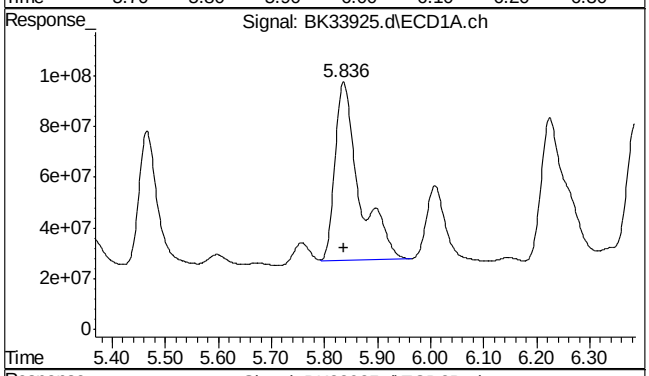
#7 AR1260-A

R.T.: 5.465 min
Delta R.T.: -0.002 min
Response: 1241057946
Conc: 112.31 ppb m



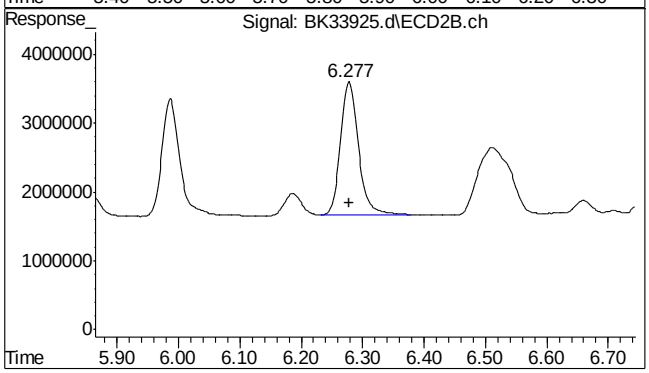
#7 AR1260-A

R.T.: 5.986 min
Delta R.T.: -0.001 min
Response: 33316966
Conc: 108.99 ppb m



#8 AR1260-B

R.T.: 5.836 min
Delta R.T.: -0.002 min
Response: 2240278042
Conc: 109.28 ppb m

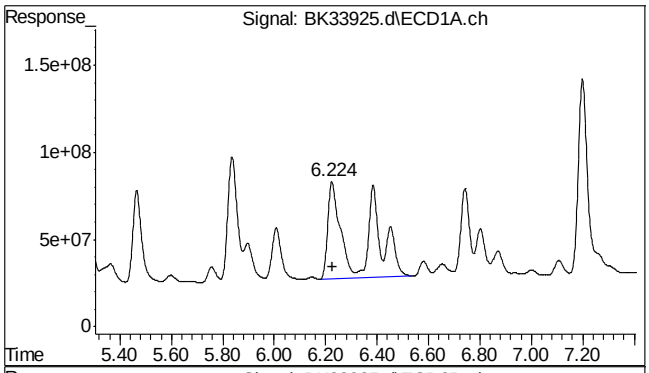


#8 AR1260-B

R.T.: 6.277 min
Delta R.T.: -0.001 min
Response: 39275017
Conc: 111.53 ppb m

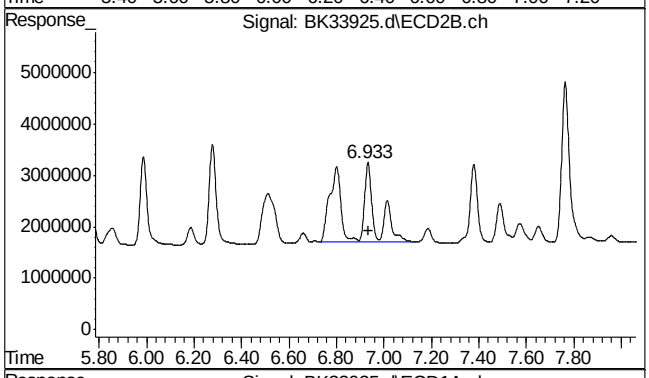
9.5.5

6



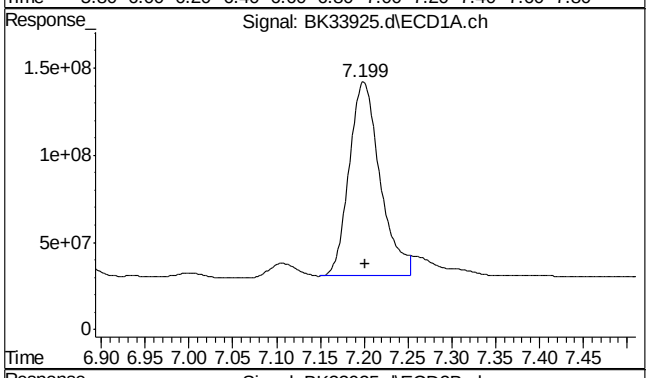
#9 AR1260-C

R.T.: 6.224 min
Delta R.T.: -0.002 min
Response: 3872329799
Conc: 110.83 ppb m



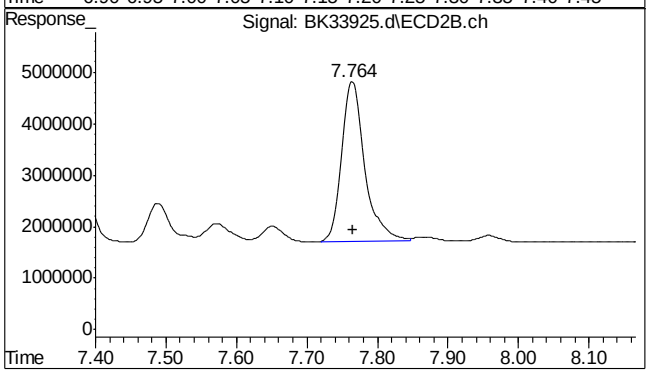
#9 AR1260-C

R.T.: 6.933 min
Delta R.T.: 0.000 min
Response: 98469203
Conc: 108.79 ppb m



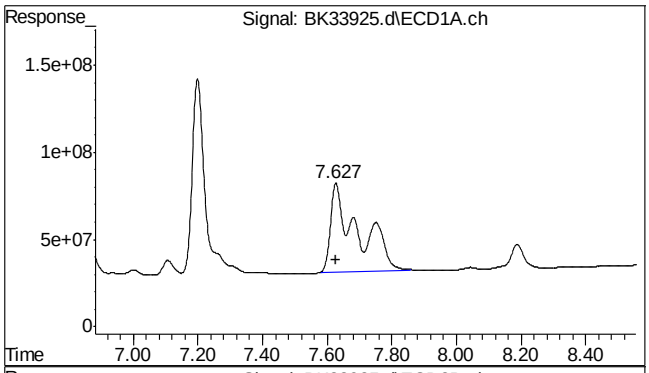
#10 AR1260-D

R.T.: 7.199 min
Delta R.T.: -0.002 min
Response: 2717663355
Conc: 108.37 ppb m



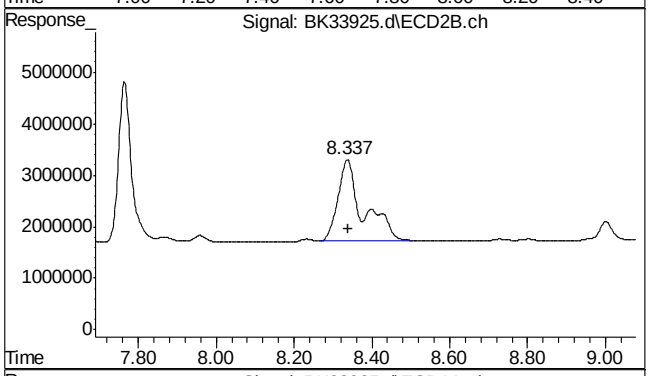
#10 AR1260-D

R.T.: 7.764 min
Delta R.T.: 0.000 min
Response: 69822142
Conc: 107.15 ppb m



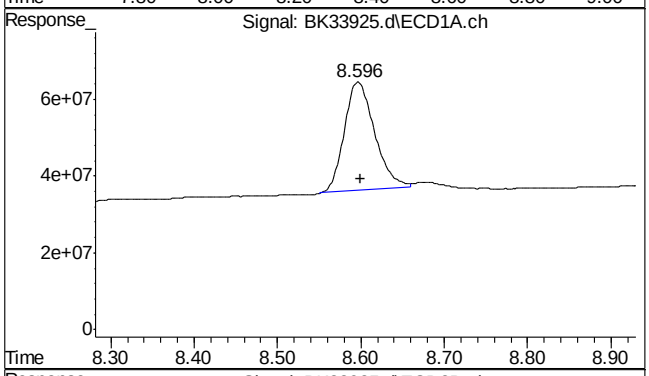
#11 AR1260-E

R.T.: 7.627 min
Delta R.T.: -0.001 min
Response: 2941590903
Conc: 111.32 ppb m



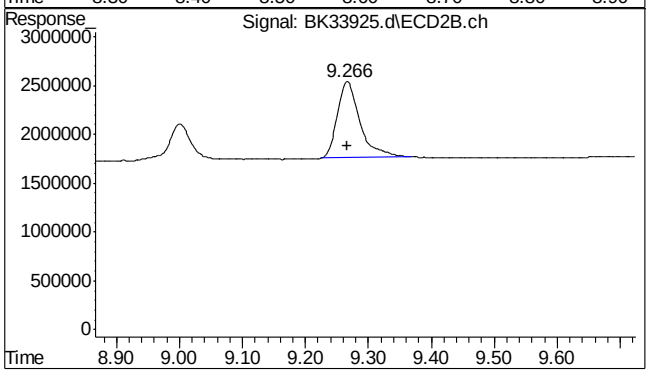
#11 AR1260-E

R.T.: 8.337 min
Delta R.T.: -0.001 min
Response: 70181545
Conc: 109.69 ppb m



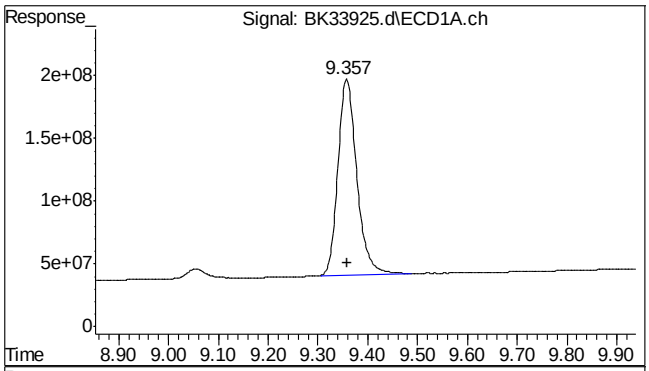
#12 AR1260-F

R.T.: 8.596 min
Delta R.T.: -0.003 min
Response: 714770527
Conc: 106.35 m



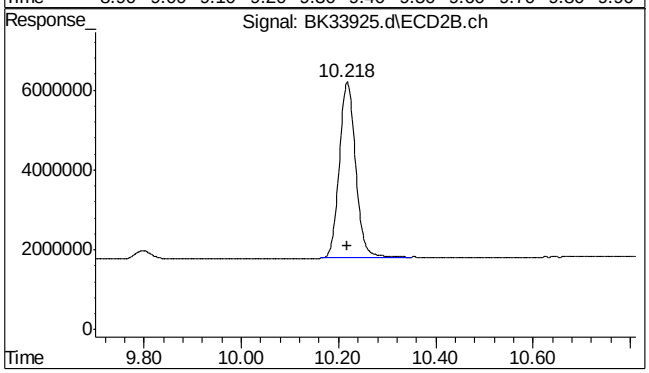
#12 AR1260-F

R.T.: 9.266 min
Delta R.T.: -0.002 min
Response: 19548818
Conc: 108.21 m



#13 DCB

R.T.: 9.357 min
Delta R.T.: -0.003 min
Response: 4080126185
Conc: 17.66 ppb m



#13 DCB

R.T.: 10.218 min
Delta R.T.: 0.000 min
Response: 102182399
Conc: 17.34 ppb m

9.5.5

6

ACCUTEST LABORATORIES MC27551

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
01/15/14 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33926.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 3:16 pm
Operator : nickk
Sample : ic1113-50,a16/60
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:41:52 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Jan 14 09:32:21 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.416	2.490	1432.5E6	48179029	8.049m	9.946m
	Spiked Amount 40.000			Recovery =		20.12%	24.86%
13) s	DCB	9.357	10.217	2041.5E6	50422826	10.595m	11.653m
	Spiked Amount 40.000			Recovery =		26.49%	29.13%
	Target Compounds						
2)	AR1016-A	2.704	2.897	221.8E6	6460764	48.596m	66.863 #
3)	AR1016-B	3.015	3.261	405.1E6	12528614	61.889m	63.754m
4)	AR1016-C	3.446	3.711	818.8E6	22538921	57.532m	60.767m
5)	AR1016-D	3.578f	3.853f	490.3E6	8909212	56.524m	56.649m
6)	AR1016-E	4.003f	3.965f	365.1E6	6552630	66.223m	57.527m
7)	AR1260-A	5.464	5.987	551.0E6	15700016	61.101m	65.512m
8)	AR1260-B	5.836	6.278	1048.4E6	17591185	64.494m	62.072m
9)	AR1260-C	6.225	6.933f	1714.5E6	43962517	61.627m	63.109m
10)	AR1260-D	7.197	7.764	1237.8E6	31532777	59.684m	64.452m
11)	AR1260-E	7.626	8.338	1352.9E6	32970203	61.245m	66.580m
12)	AR1260-F	8.596	9.266	339.8E6	9336564	58.678m	65.239m

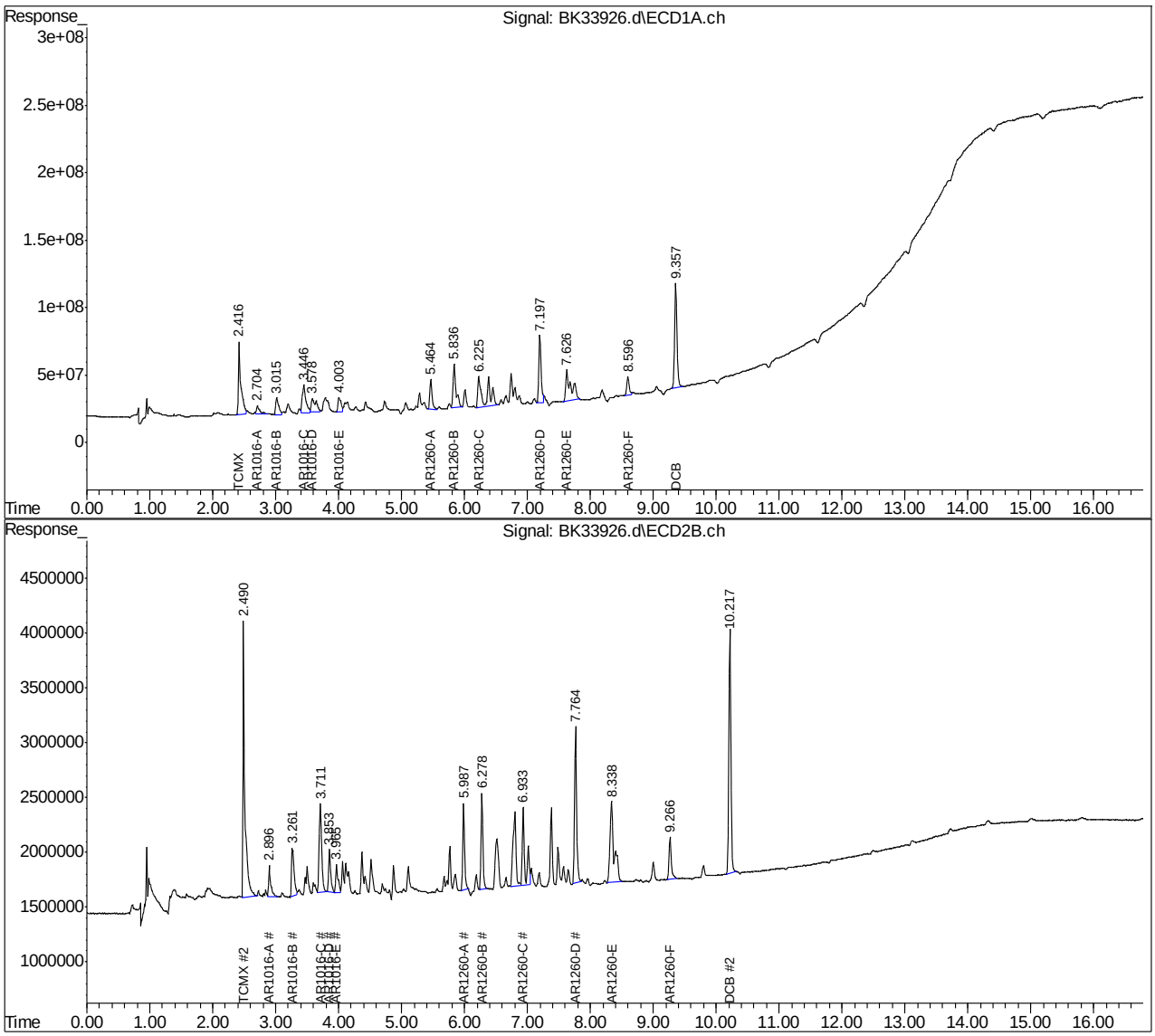
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

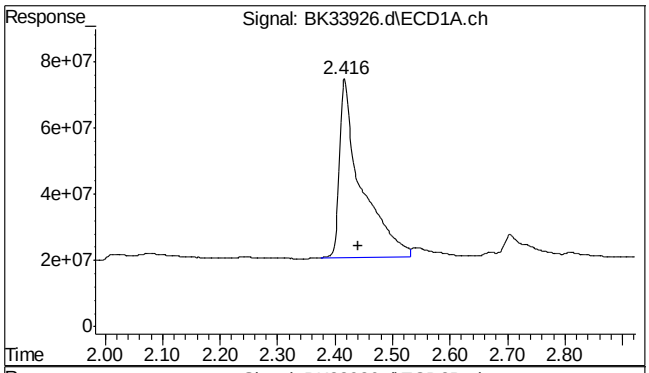
Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33926.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 3:16 pm
Operator : nickk
Sample : ic1113-50,a16/60
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:41:52 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Jan 14 09:32:21 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

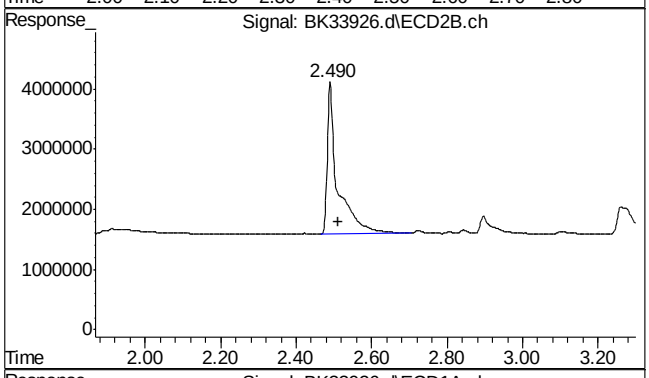


ACCUTEST LABORATORIES MC27551



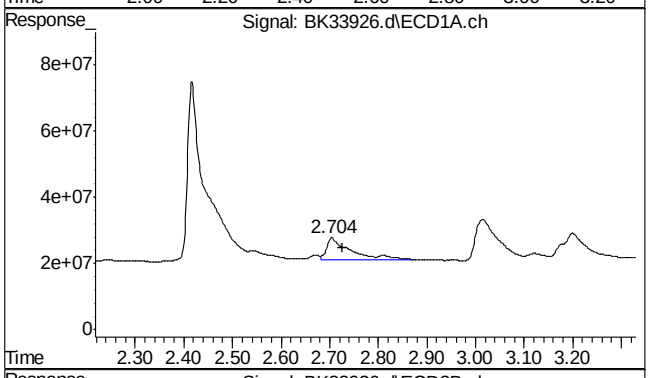
#1 TCMX

R.T.: 2.416 min
Delta R.T.: -0.025 min
Response: 1432462185
Conc: 8.05 ppb m



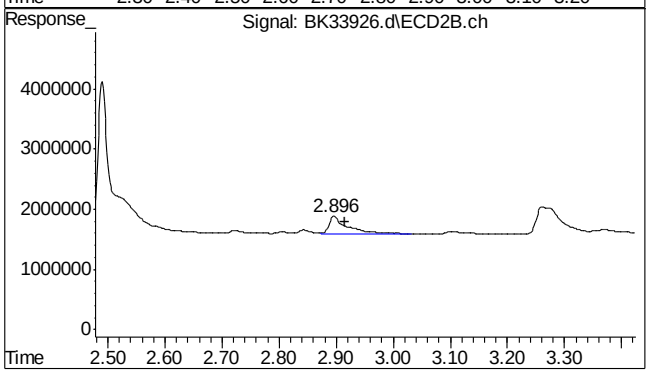
#1 TCMX

R.T.: 2.490 min
Delta R.T.: -0.020 min
Response: 48179029
Conc: 9.95 ppb m



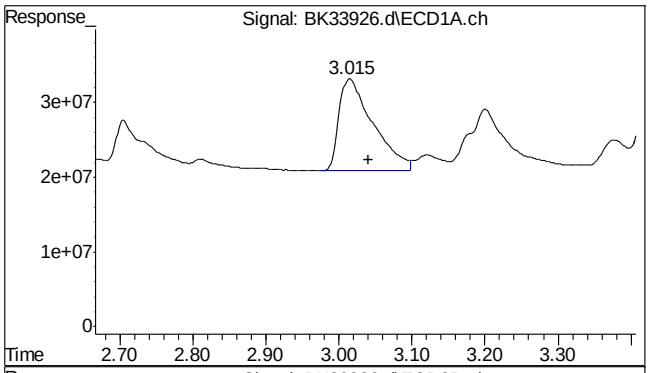
#2 AR1016-A

R.T.: 2.704 min
Delta R.T.: -0.024 min
Response: 221816964
Conc: 48.60 ppb m



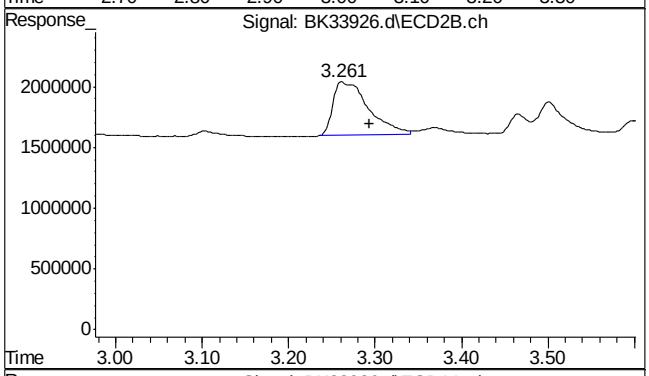
#2 AR1016-A

R.T.: 2.897 min
Delta R.T.: -0.018 min
Response: 6460764
Conc: 66.86 ppb



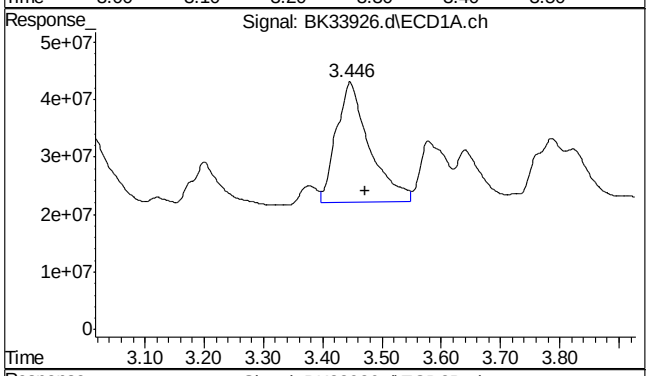
#3 AR1016-B

R.T.: 3.015 min
Delta R.T.: -0.026 min
Response: 405091550
Conc: 61.89 ppb m



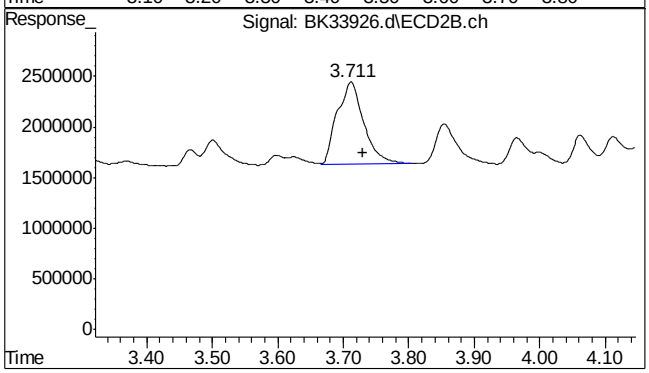
#3 AR1016-B

R.T.: 3.261 min
Delta R.T.: -0.033 min
Response: 12528614
Conc: 63.75 ppb m



#4 AR1016-C

R.T.: 3.446 min
Delta R.T.: -0.025 min
Response: 818816668
Conc: 57.53 ppb m

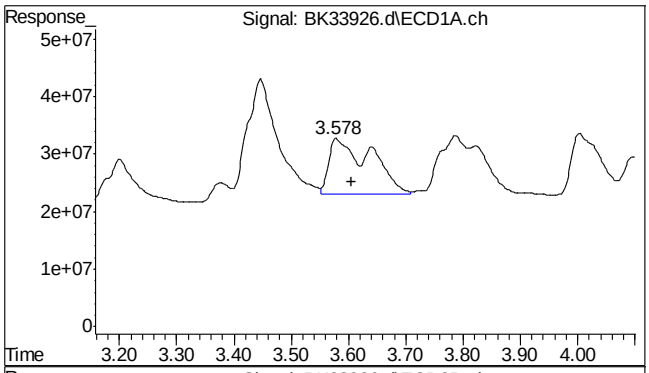


#4 AR1016-C

R.T.: 3.711 min
Delta R.T.: -0.019 min
Response: 22538921
Conc: 60.77 ppb m

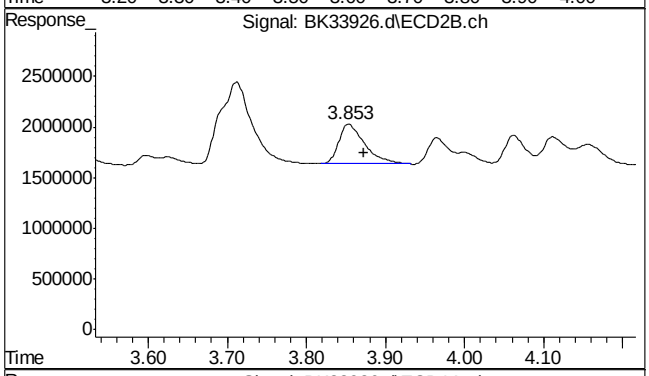
9.5.6

6



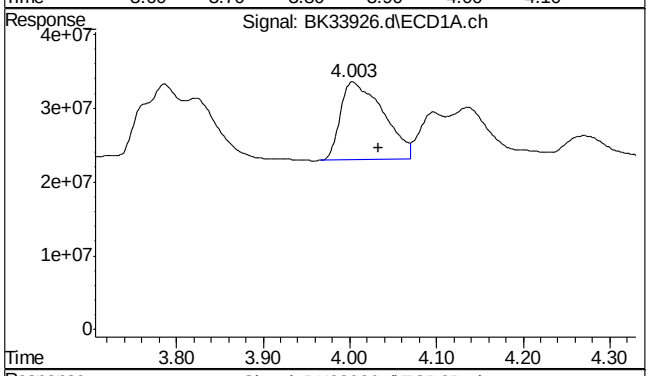
#5 AR1016-D

R.T.: 3.578 min
Delta R.T.: -0.028 min
Response: 490288795
Conc: 56.52 m



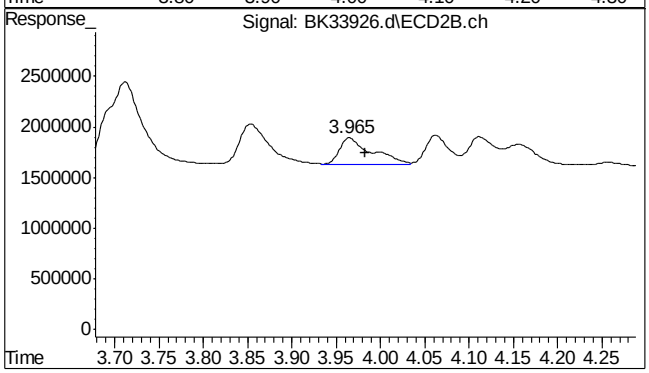
#5 AR1016-D

R.T.: 3.853 min
Delta R.T.: -0.020 min
Response: 8909212
Conc: 56.65 m



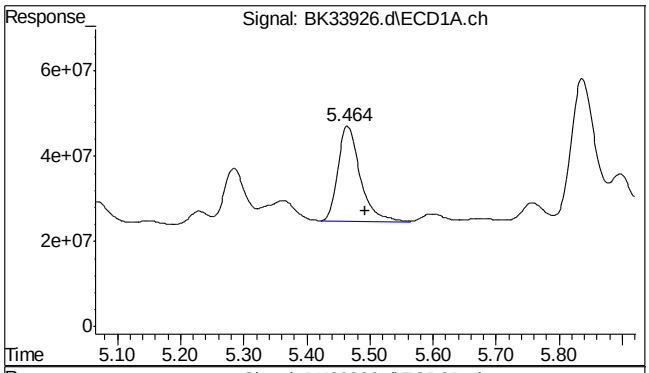
#6 AR1016-E

R.T.: 4.003 min
Delta R.T.: -0.030 min
Response: 365135380
Conc: 66.22 m



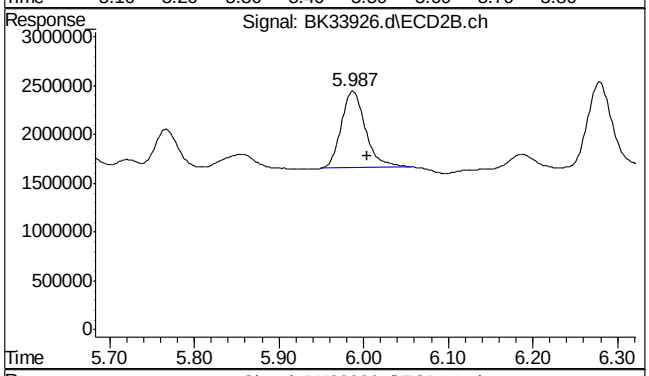
#6 AR1016-E

R.T.: 3.965 min
Delta R.T.: -0.018 min
Response: 6552630
Conc: 57.53 m



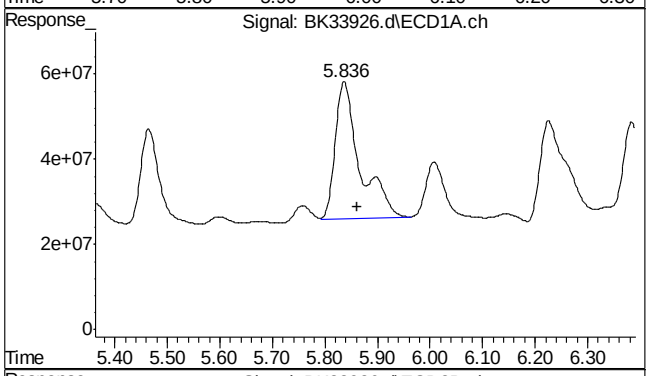
#7 AR1260-A

R.T.: 5.464 min
Delta R.T.: -0.028 min
Response: 551006591
Conc: 61.10 ppb m



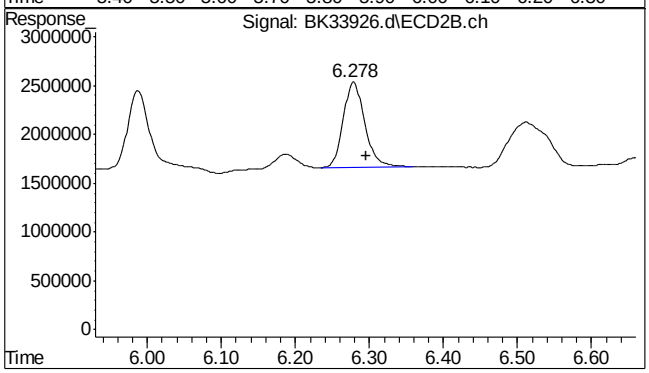
#7 AR1260-A

R.T.: 5.987 min
Delta R.T.: -0.017 min
Response: 15700016
Conc: 65.51 ppb m



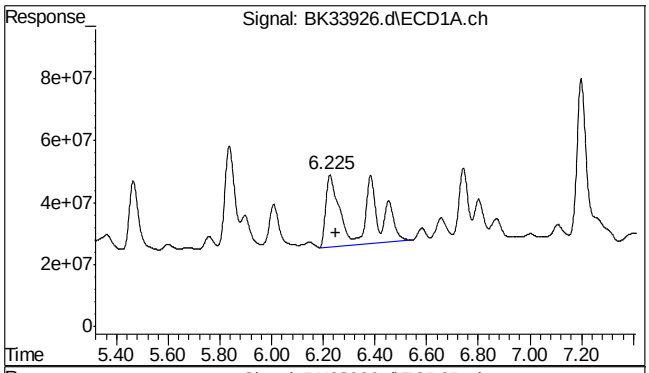
#8 AR1260-B

R.T.: 5.836 min
Delta R.T.: -0.026 min
Response: 1048427030
Conc: 64.49 ppb m



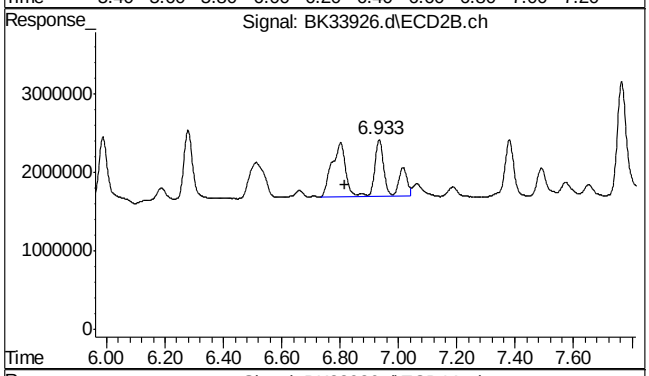
#8 AR1260-B

R.T.: 6.278 min
Delta R.T.: -0.017 min
Response: 17591185
Conc: 62.07 ppb m



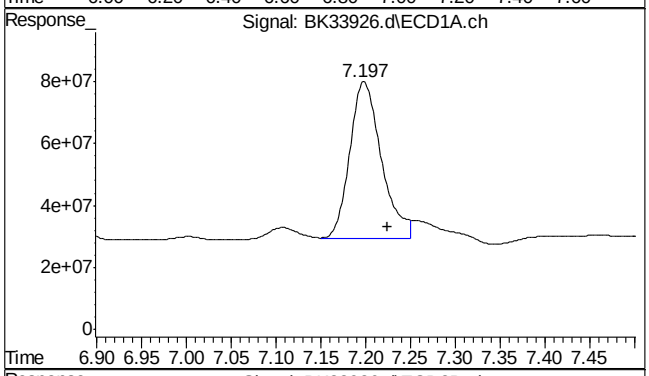
#9 AR1260-C

R.T.: 6.225 min
Delta R.T.: -0.026 min
Response: 1714522151
Conc: 61.63 ppb m



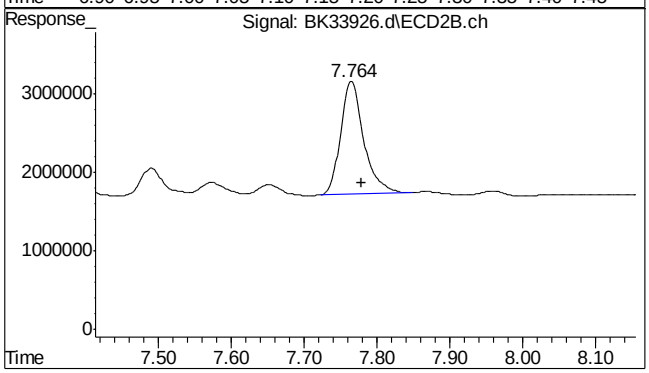
#9 AR1260-C

R.T.: 6.933 min
Delta R.T.: 0.115 min
Response: 43962517
Conc: 63.11 ppb m



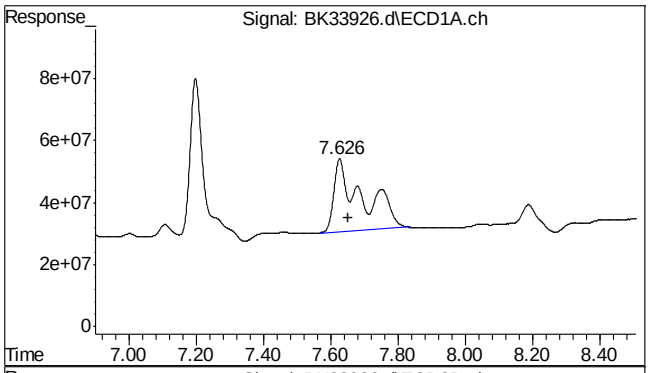
#10 AR1260-D

R.T.: 7.197 min
Delta R.T.: -0.028 min
Response: 1237819014
Conc: 59.68 ppb m



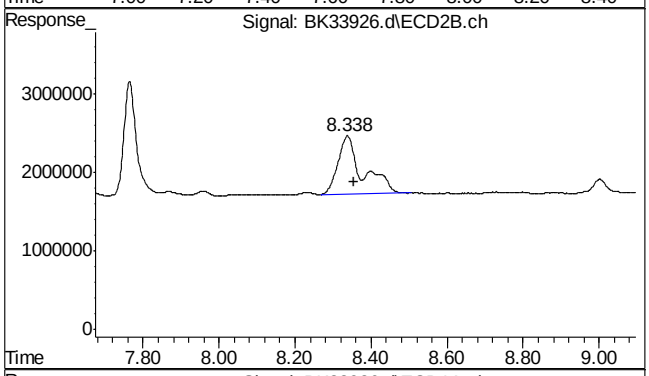
#10 AR1260-D

R.T.: 7.764 min
Delta R.T.: -0.015 min
Response: 31532777
Conc: 64.45 ppb m



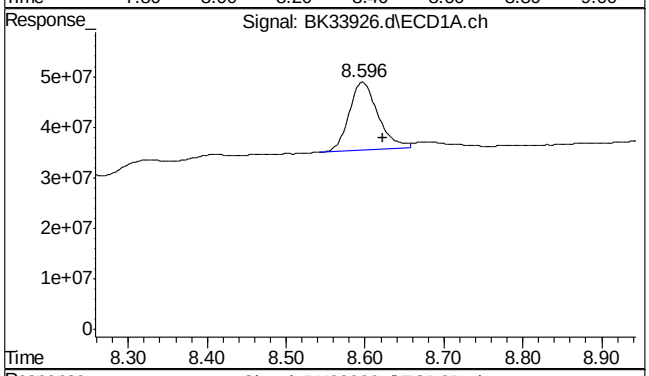
#11 AR1260-E

R.T.: 7.626 min
Delta R.T.: -0.028 min
Response: 1352883094
Conc: 61.24 ppb m



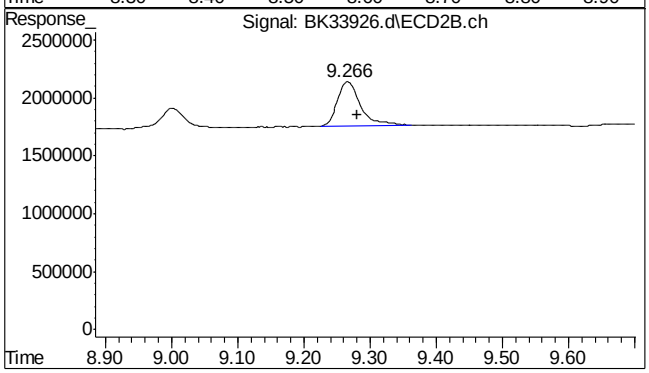
#11 AR1260-E

R.T.: 8.338 min
Delta R.T.: -0.017 min
Response: 32970203
Conc: 66.58 ppb m



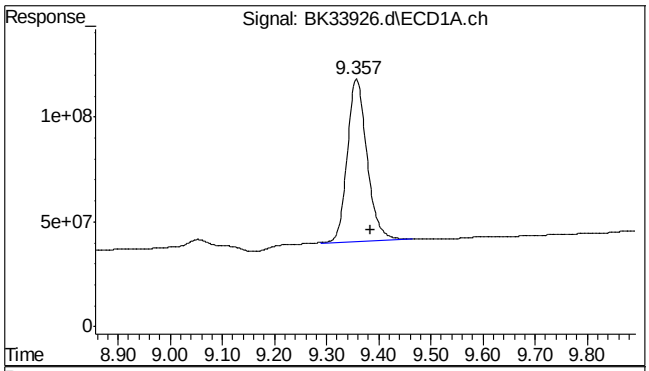
#12 AR1260-F

R.T.: 8.596 min
Delta R.T.: -0.027 min
Response: 339810239
Conc: 58.68 m



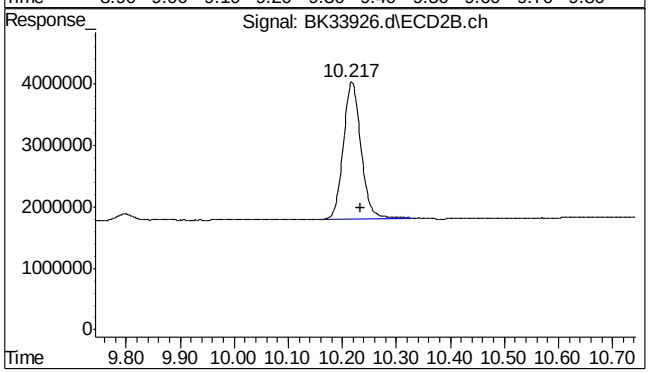
#12 AR1260-F

R.T.: 9.266 min
Delta R.T.: -0.014 min
Response: 9336564
Conc: 65.24 m



#13 DCB

R.T.: 9.357 min
Delta R.T.: -0.028 min
Response: 2041547313
Conc: 10.60 ppb m



#13 DCB

R.T.: 10.217 min
Delta R.T.: -0.018 min
Response: 50422826
Conc: 11.65 ppb m

9.5.6

6

ACCUTEST LABORATORIES MC27551

BK33927.D

Manual Integrations APPROVED (compounds with "m" flag)

Andri Piluri 01/15/14 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33927.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 3:35 pm
Operator : nickk
Sample : ic1113-500,a21/54
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:07:31 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Jan 14 09:32:21 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.418	2.489	9088.8E6	293.5E6	51.072	60.587m
	Spiked Amount 40.000			Recovery =	127.68%	151.47%	
13) s	DCB	9.359	10.218	9927.6E6	253.0E6	51.522	58.458
	Spiked Amount 40.000			Recovery =	128.80%	146.14%	
	Target Compounds						
14)	AR1221-A	2.013f	2.137f	808.9E6	19711969	434.827m	537.486m
15)	AR1221-B	2.547f	2.723f	1162.5E6	25019244	601.489m	532.136m
16)	AR1221-C	2.705f	2.897f	2610.7E6	73935060	488.411m	582.357
32)	AR1254-A	4.430f	4.874	6372.4E6	147.0E6	515.459m	543.575m
33)	AR1254-B	4.731f	5.108f	8765.5E6	209.0E6	543.649m	539.406m
34)	AR1254-C	5.231f	5.722	12271.1E6	336.4E6	527.626m	561.864m
35)	AR1254-D	5.593f	6.031	3760.1E6	188.9E6	494.072m	525.993m
36)	AR1254-E	6.227f	6.804f	5989.2E6	157.6E6	518.837m	544.906m

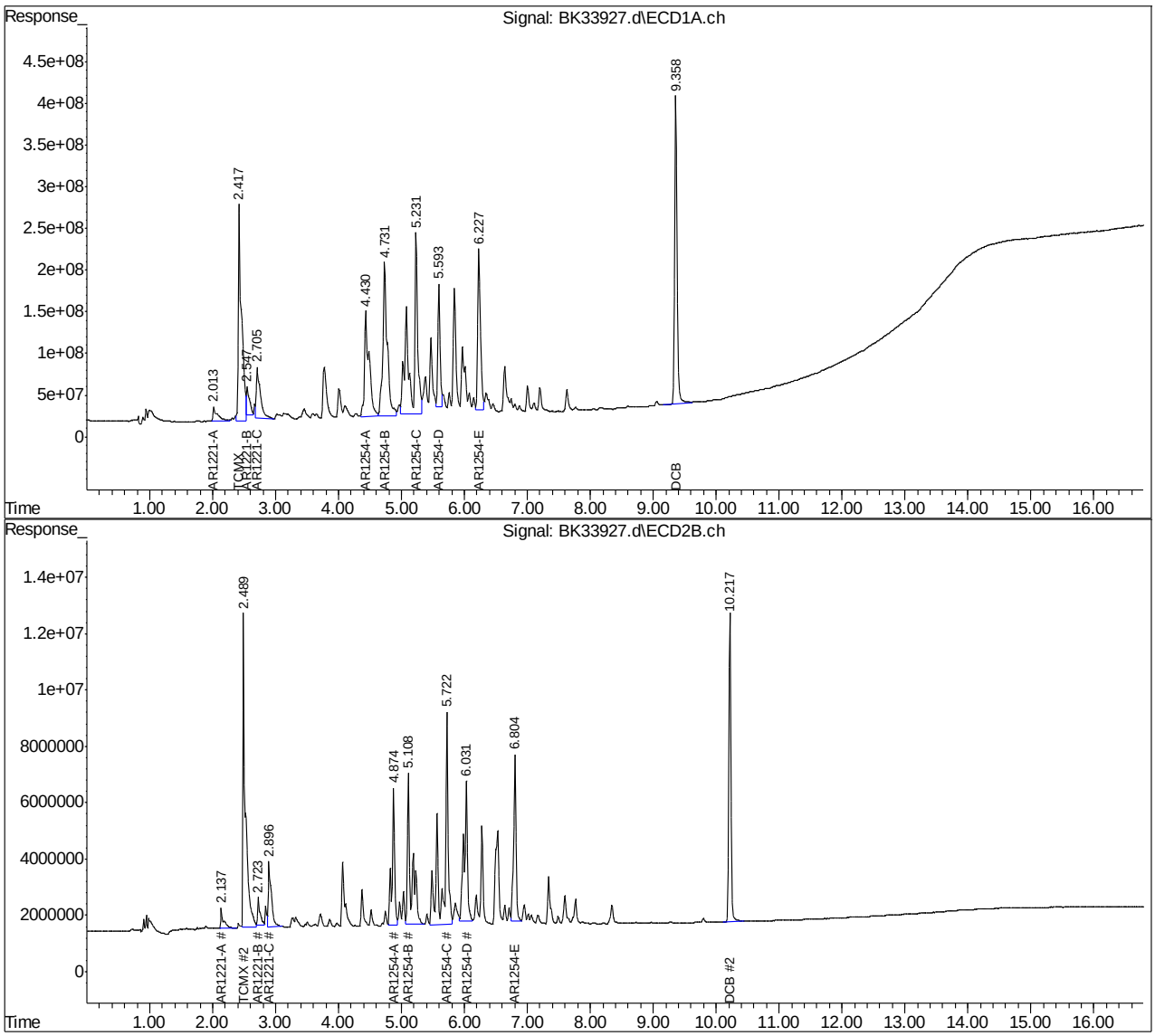
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

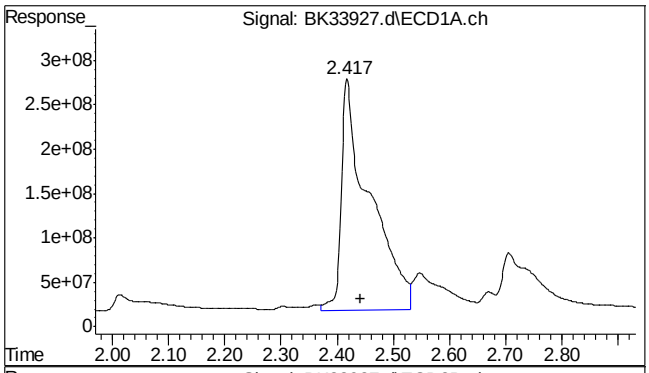
Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33927.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 3:35 pm
Operator : nickk
Sample : ic1113-500,a21/54
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:07:31 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Jan 14 09:32:21 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

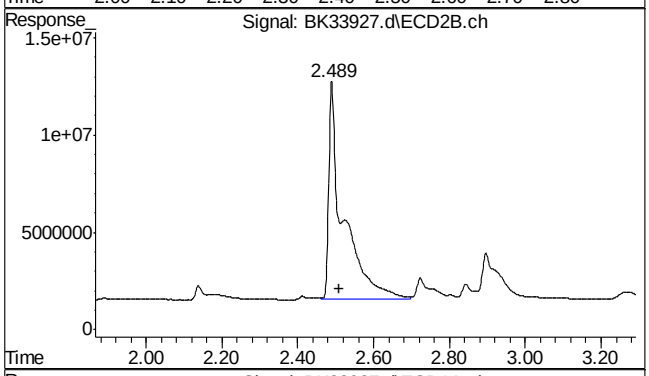


ACCUTEST LABORATORIES MC27551



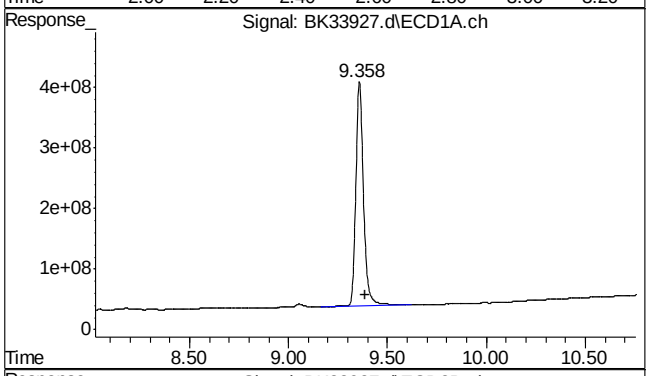
#1 TCMX

R.T.: 2.418 min
Delta R.T.: -0.023 min
Response: 9088833815
Conc: 51.07 ppb



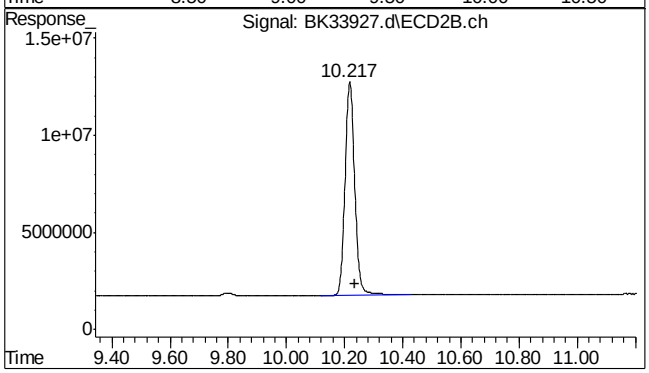
#1 TCMX

R.T.: 2.489 min
Delta R.T.: -0.021 min
Response: 293482901
Conc: 60.59 ppb m



#13 DCB

R.T.: 9.359 min
Delta R.T.: -0.026 min
Response: 9927595914
Conc: 51.52 ppb

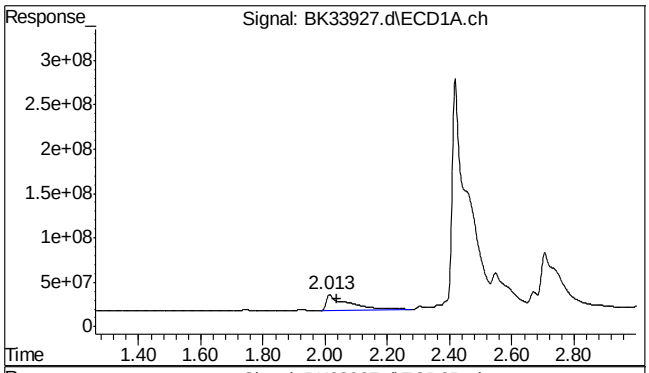


#13 DCB

R.T.: 10.218 min
Delta R.T.: -0.017 min
Response: 252958812
Conc: 58.46 ppb

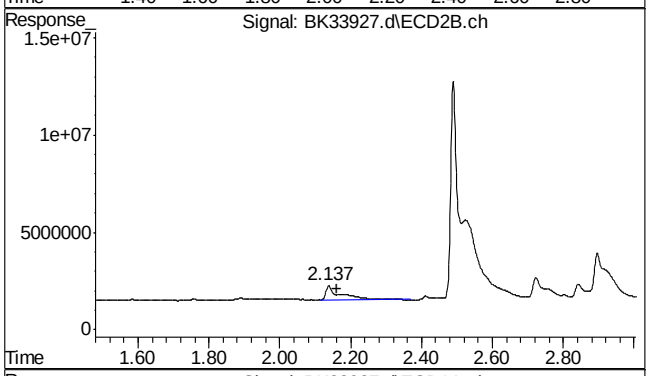
9.5.7

9



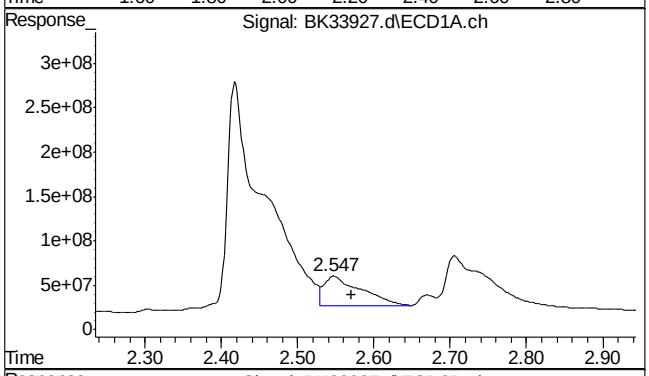
#14 AR1221-A

R.T.: 2.013 min
Delta R.T.: -0.026 min
Response: 808934900
Conc: 434.83 ppb m



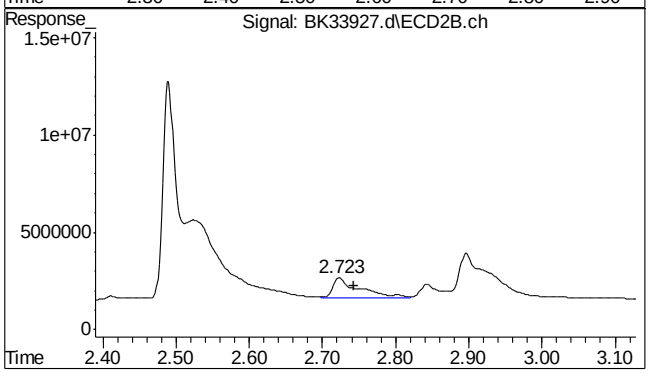
#14 AR1221-A

R.T.: 2.137 min
Delta R.T.: -0.024 min
Response: 19711969
Conc: 537.49 ppb m



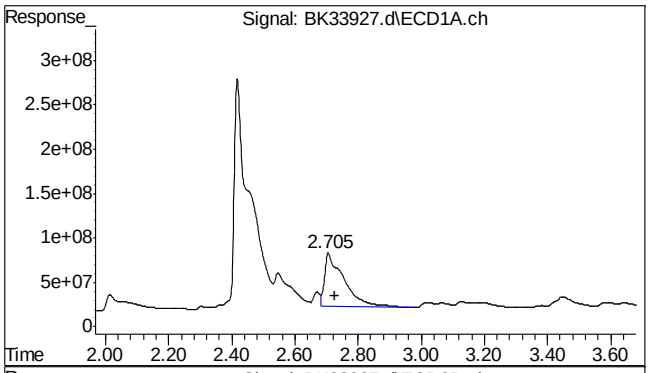
#15 AR1221-B

R.T.: 2.547 min
Delta R.T.: -0.024 min
Response: 1162528676
Conc: 601.49 ppb m



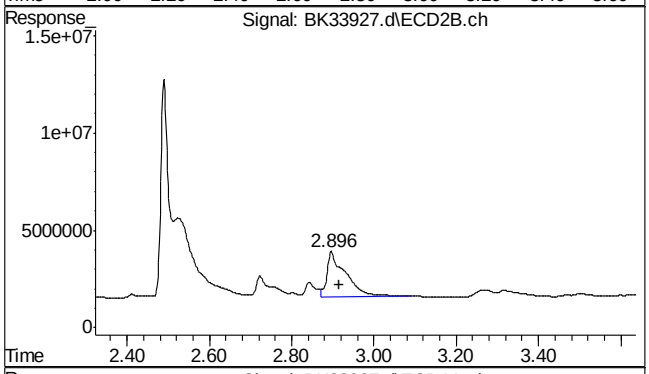
#15 AR1221-B

R.T.: 2.723 min
Delta R.T.: -0.020 min
Response: 25019244
Conc: 532.14 ppb m



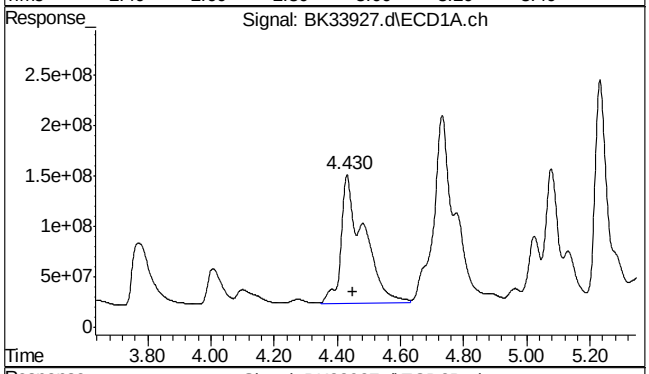
#16 AR1221-C

R.T.: 2.705 min
Delta R.T.: -0.023 min
Response: 2610742526
Conc: 488.41 ppb m



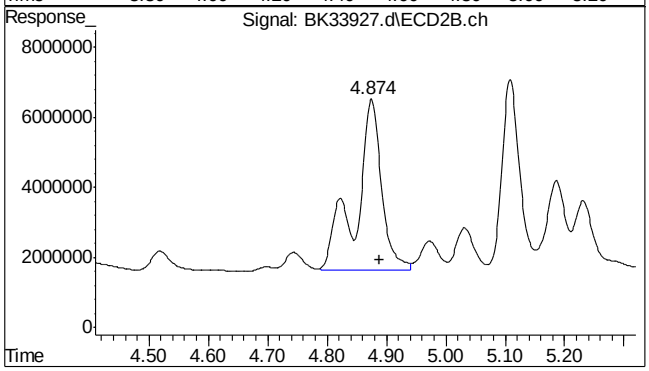
#16 AR1221-C

R.T.: 2.897 min
Delta R.T.: -0.018 min
Response: 73935060
Conc: 582.36 ppb



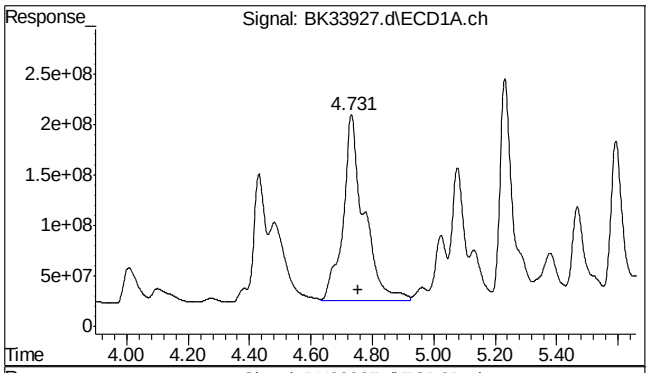
#32 AR1254-A

R.T.: 4.430 min
Delta R.T.: -0.020 min
Response: 6372432252
Conc: 515.46 ppb m



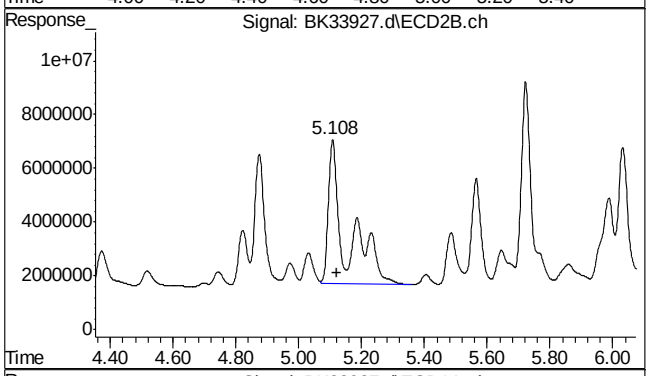
#32 AR1254-A

R.T.: 4.874 min
Delta R.T.: -0.015 min
Response: 147037140
Conc: 543.58 ppb m



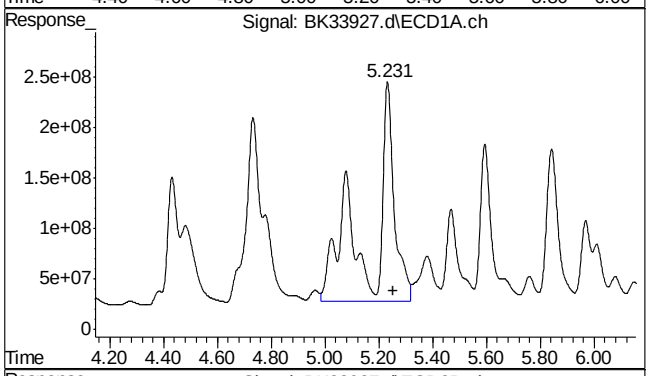
#33 AR1254-B

R.T.: 4.731 min
Delta R.T.: -0.022 min
Response: 8765512717
Conc: 543.65 ppb m



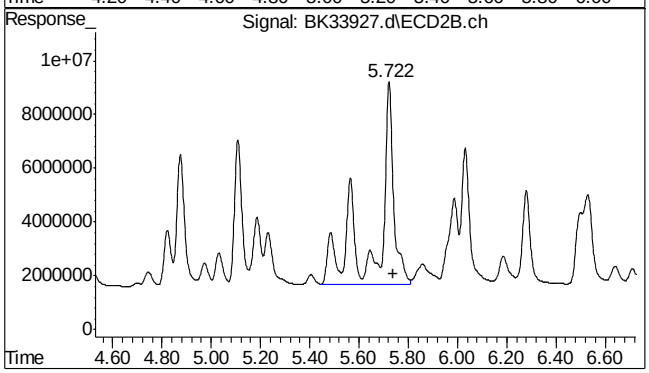
#33 AR1254-B

R.T.: 5.108 min
Delta R.T.: -0.015 min
Response: 208978676
Conc: 539.41 ppb m



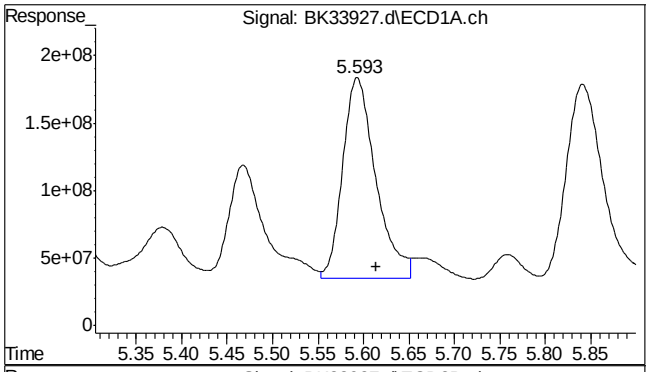
#34 AR1254-C

R.T.: 5.231 min
Delta R.T.: -0.022 min
Response: 12271082045
Conc: 527.63 ppb m



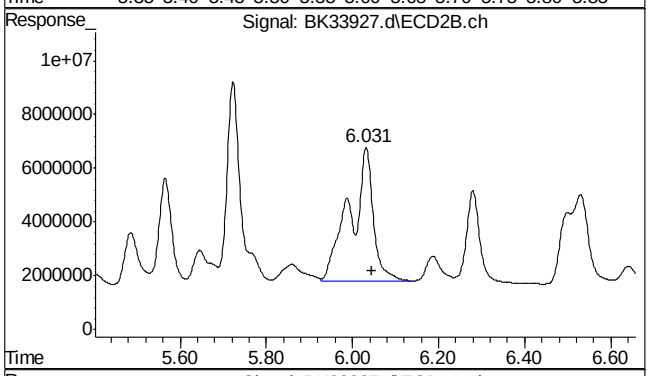
#34 AR1254-C

R.T.: 5.722 min
Delta R.T.: -0.015 min
Response: 336402202
Conc: 561.86 ppb m



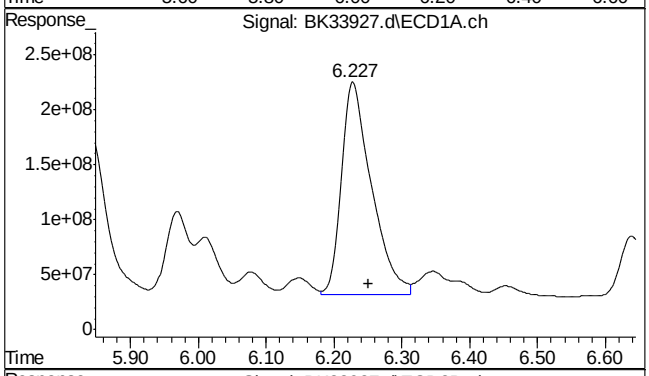
#35 AR1254-D

R.T.: 5.593 min
Delta R.T.: -0.021 min
Response: 3760140619
Conc: 494.07 ppb m



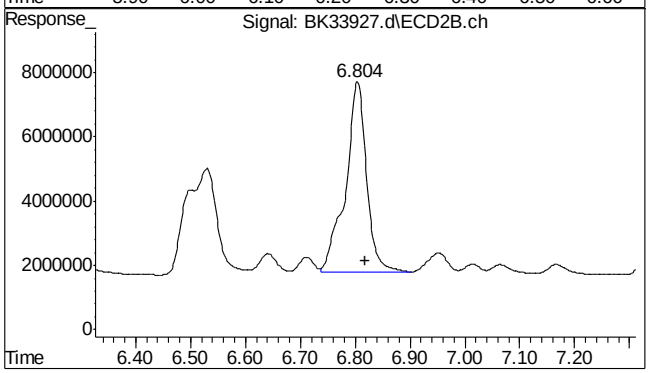
#35 AR1254-D

R.T.: 6.031 min
Delta R.T.: -0.015 min
Response: 188881165
Conc: 525.99 ppb m



#36 AR1254-E

R.T.: 6.227 min
Delta R.T.: -0.024 min
Response: 5989229096
Conc: 518.84 ppb m



#36 AR1254-E

R.T.: 6.804 min
Delta R.T.: -0.015 min
Response: 157562647
Conc: 544.91 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
01/15/14 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33928.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 3:54 pm
Operator : nickk
Sample : ic1113-500,a32/62
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:09:17 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Jan 14 09:32:21 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.418	2.491	10011.1E6	317.4E6	56.254	65.530
	Spiked Amount 40.000			Recovery	= 140.63%	163.82%	
13) s	DCB	9.358	10.219	10930.3E6	282.0E6	56.726	65.160
	Spiked Amount 40.000			Recovery	= 141.82%	162.90%	
	Target Compounds						
17)	AR1232-A	2.705f	2.898f	2323.2E6	65404558	601.720m	667.193
18)	AR1232-B	3.016f	3.268	1745.6E6	59466429	565.856m	576.470
19)	AR1232-C	3.448f	3.712f	3853.1E6	104.0E6	594.086	587.038
20)	AR1232-D	3.786f	4.062f	2156.7E6	64736582	582.469m	605.184m
21)	AR1232-E	4.506f	4.877f	3394.5E6	99717896	600.027m	559.884m
37)	AR1262-A	5.467f	5.987f	4156.1E6	118.1E6	607.923	605.682m
38)	AR1262-B	5.836f	6.280	7804.6E6	127.5E6	565.344m	607.429
39)	AR1262-C	6.385f	6.934	16596.3E6	400.3E6	590.767m	595.699m
40)	AR1262-D	7.680f	8.329f	17354.6E6	410.9E6	567.340m	614.121m
41)	AR1262-E	8.597f	9.267f	4793.0E6	129.6E6	528.461	592.771

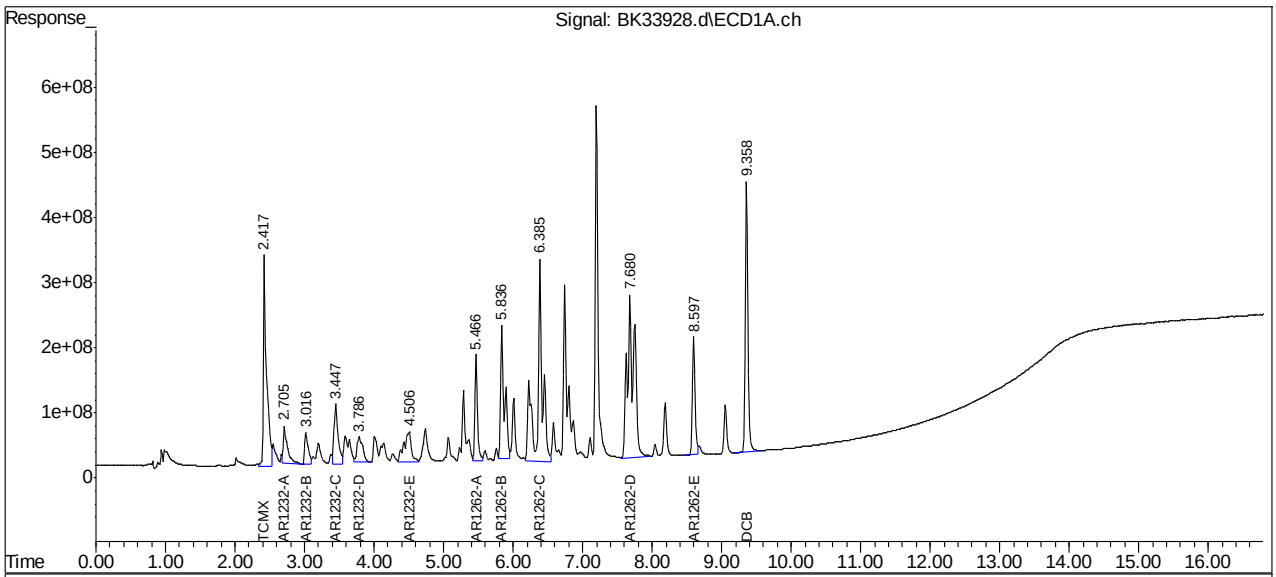
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

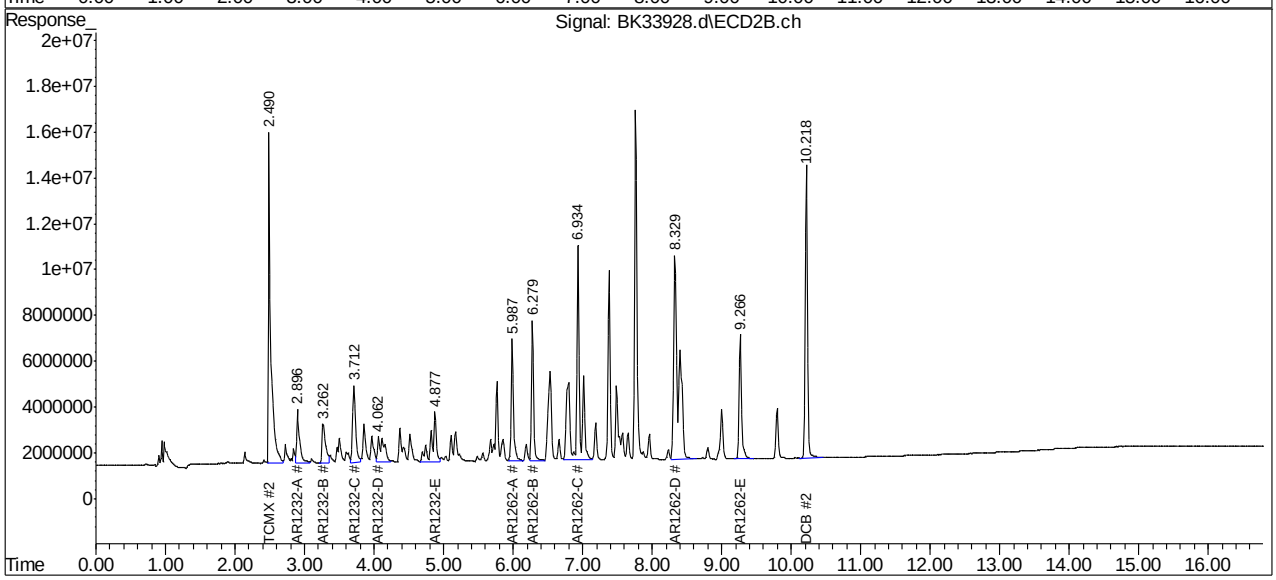
Quantitation Report (QT Reviewed)

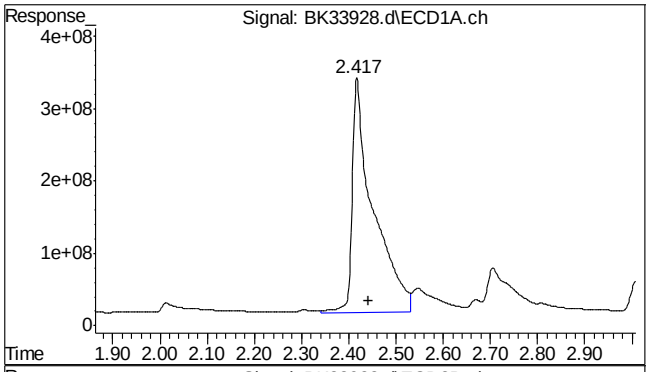
Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33928.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 3:54 pm
Operator : nickk
Sample : ic1113-500,a32/62
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:09:17 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Jan 14 09:32:21 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

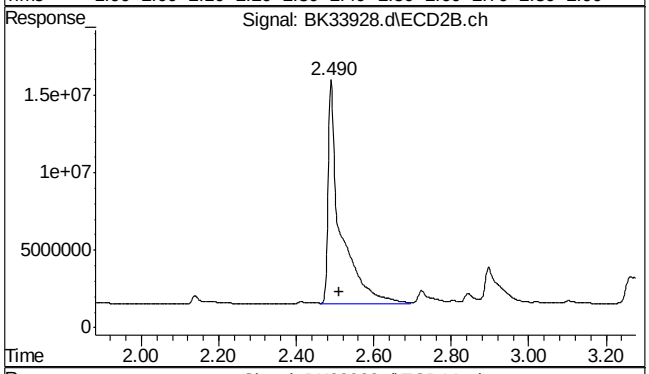






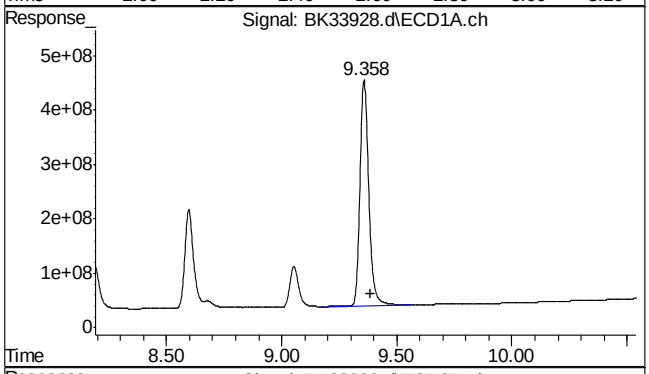
#1 TCMX

R.T.: 2.418 min
Delta R.T.: -0.023 min
Response: 10011053643
Conc: 56.25 ppb



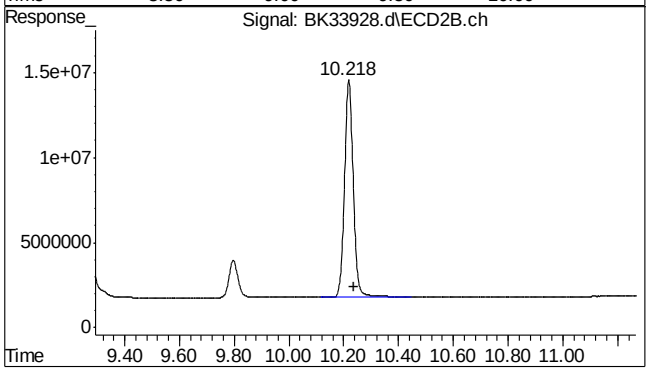
#1 TCMX

R.T.: 2.491 min
Delta R.T.: -0.019 min
Response: 317424356
Conc: 65.53 ppb



#13 DCB

R.T.: 9.358 min
Delta R.T.: -0.027 min
Response: 10930304926
Conc: 56.73 ppb

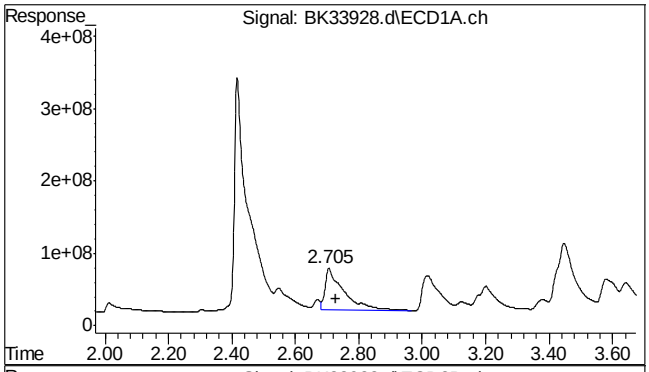


#13 DCB

R.T.: 10.219 min
Delta R.T.: -0.016 min
Response: 281961774
Conc: 65.16 ppb

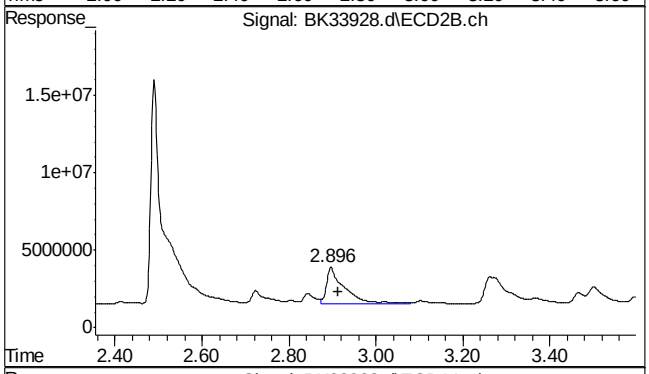
9.5.8

6



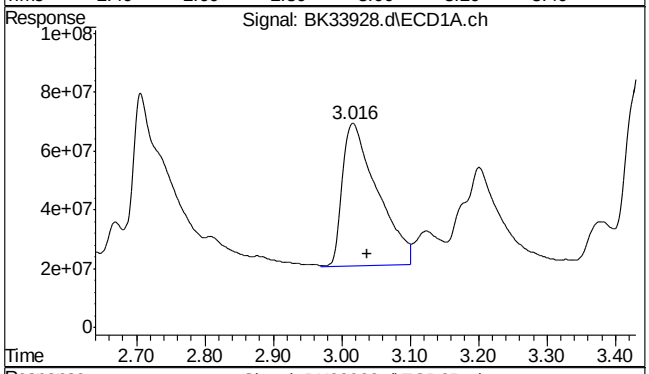
#17 AR1232-A

R.T.: 2.705 min
Delta R.T.: -0.023 min
Response: 2323229803
Conc: 601.72 ppb m



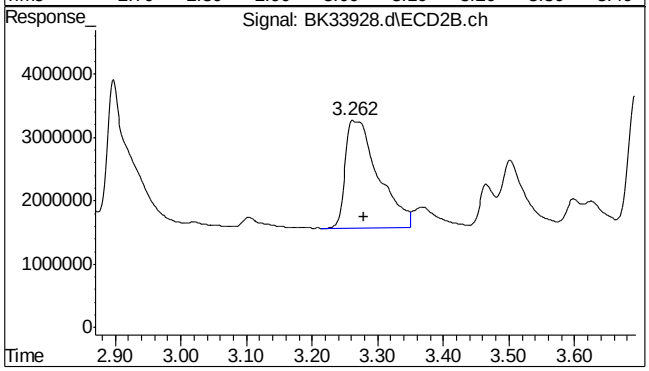
#17 AR1232-A

R.T.: 2.898 min
Delta R.T.: -0.016 min
Response: 65404558
Conc: 667.19 ppb



#18 AR1232-B

R.T.: 3.016 min
Delta R.T.: -0.022 min
Response: 1745606435
Conc: 565.86 ppb m

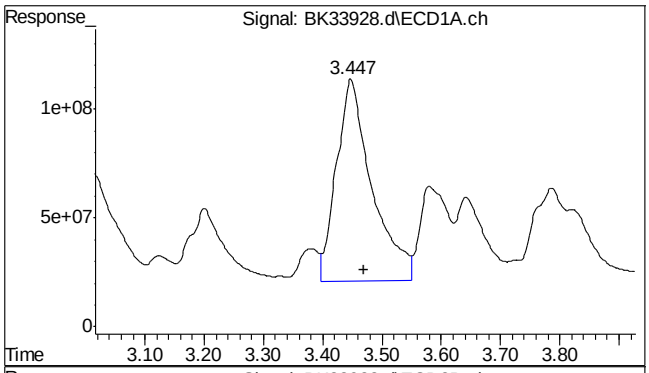


#18 AR1232-B

R.T.: 3.268 min
Delta R.T.: -0.011 min
Response: 59466429
Conc: 576.47 ppb

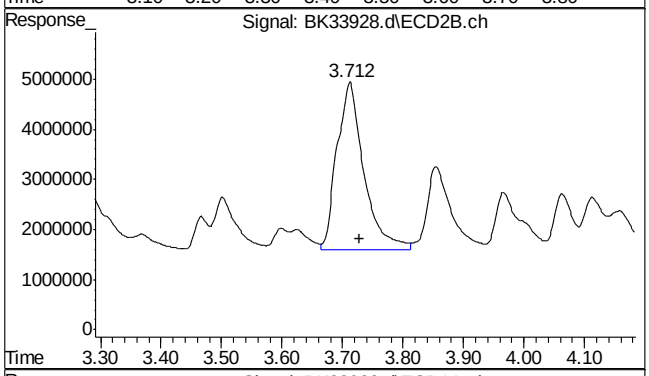
9.5.8

6



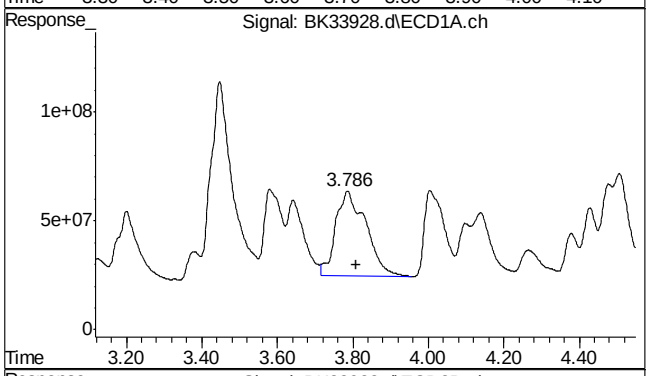
#19 AR1232-C

R.T.: 3.448 min
Delta R.T.: -0.021 min
Response: 3853136785
Conc: 594.09 ppb



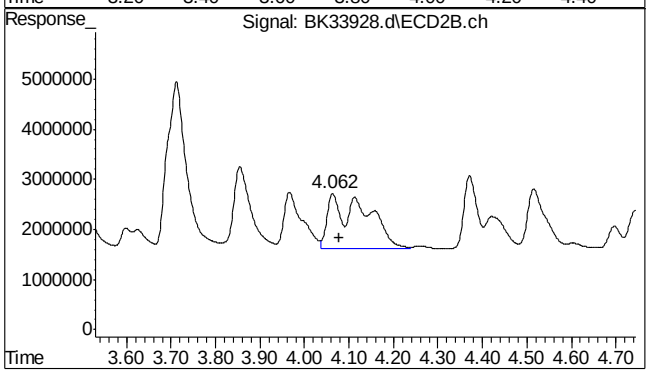
#19 AR1232-C

R.T.: 3.712 min
Delta R.T.: -0.017 min
Response: 104010027
Conc: 587.04 ppb



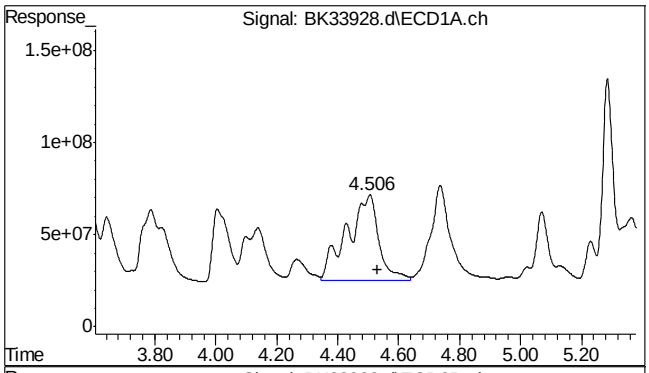
#20 AR1232-D

R.T.: 3.786 min
Delta R.T.: -0.023 min
Response: 2156701997
Conc: 582.47 ppb m



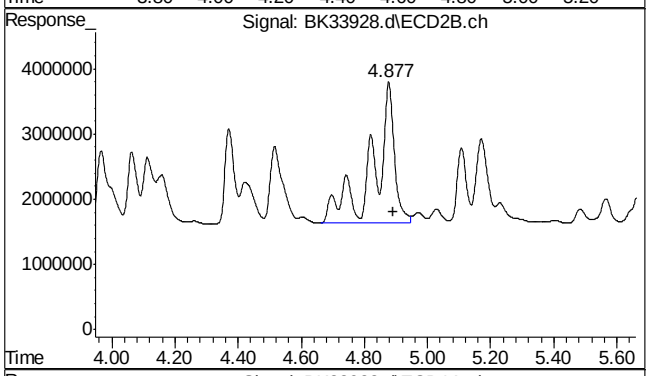
#20 AR1232-D

R.T.: 4.062 min
Delta R.T.: -0.017 min
Response: 64736582
Conc: 605.18 ppb m



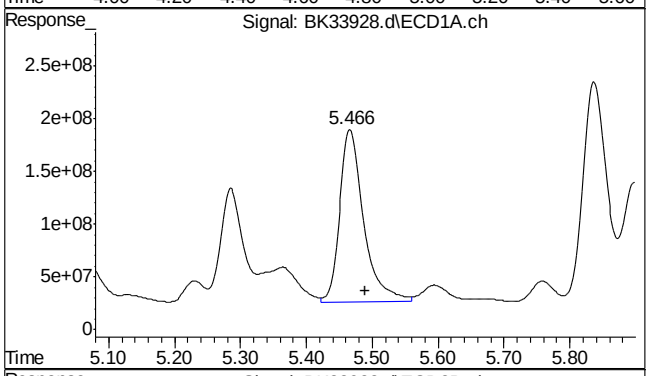
#21 AR1232-E

R.T.: 4.506 min
Delta R.T.: -0.023 min
Response: 3394522485
Conc: 600.03 ppb m



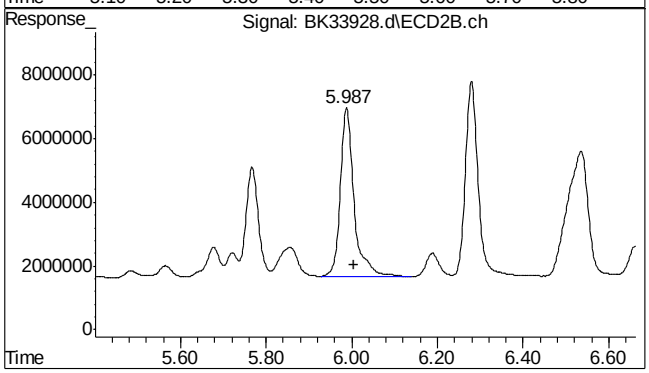
#21 AR1232-E

R.T.: 4.877 min
Delta R.T.: -0.015 min
Response: 99717896
Conc: 559.88 ppb m



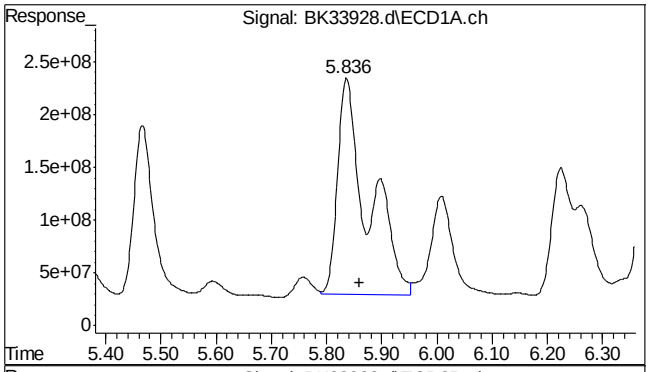
#37 AR1262-A

R.T.: 5.467 min
Delta R.T.: -0.022 min
Response: 4156086296
Conc: 607.92 ppb



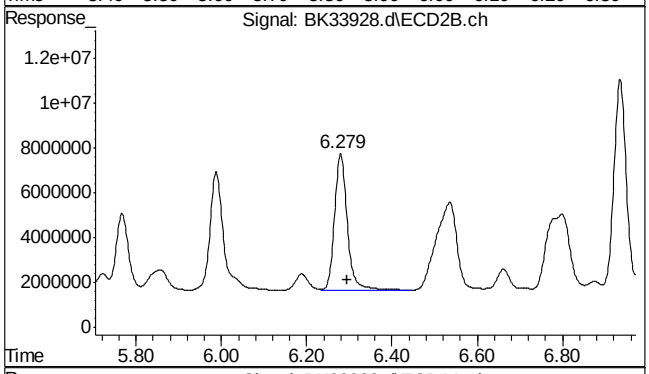
#37 AR1262-A

R.T.: 5.987 min
Delta R.T.: -0.017 min
Response: 118068955
Conc: 605.68 ppb m



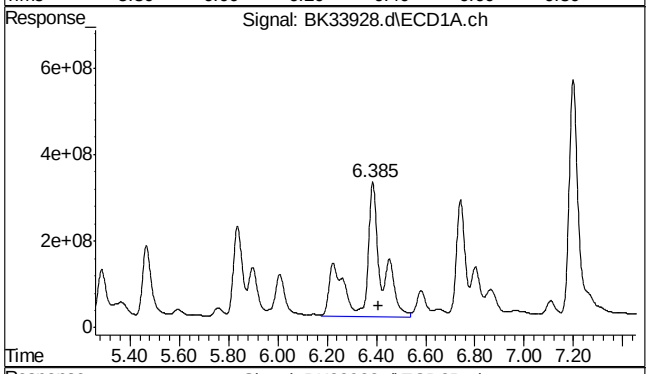
#38 AR1262-B

R.T.: 5.836 min
Delta R.T.: -0.024 min
Response: 7804591691
Conc: 565.34 ppb m



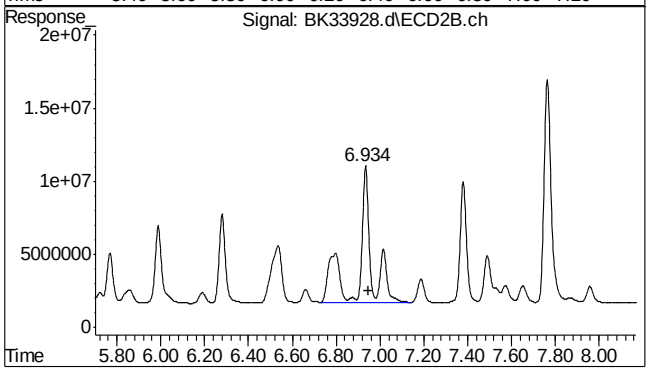
#38 AR1262-B

R.T.: 6.280 min
Delta R.T.: -0.014 min
Response: 127540375
Conc: 607.43 ppb



#39 AR1262-C

R.T.: 6.385 min
Delta R.T.: -0.025 min
Response: 16596262982
Conc: 590.77 ppb m

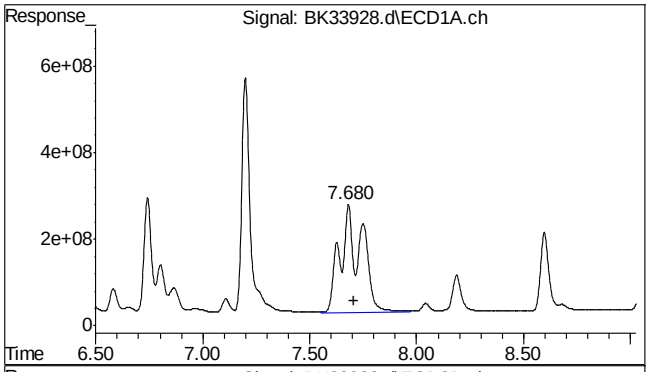


#39 AR1262-C

R.T.: 6.934 min
Delta R.T.: -0.015 min
Response: 400305994
Conc: 595.70 ppb m

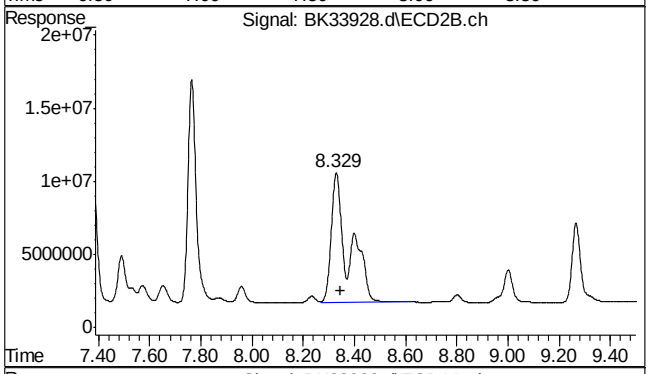
9.5.8

6



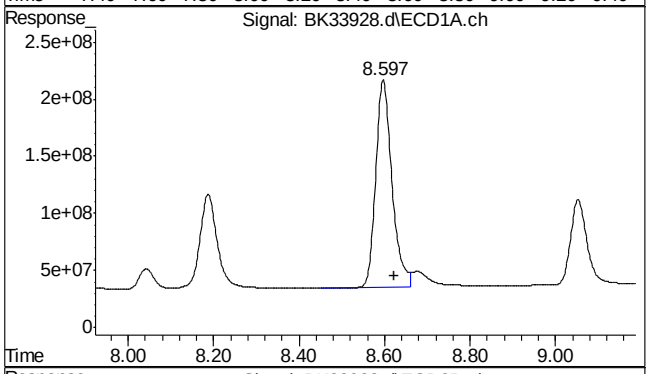
#40 AR1262-D

R.T.: 7.680 min
Delta R.T.: -0.028 min
Response: 17354561485
Conc: 567.34 ppb m



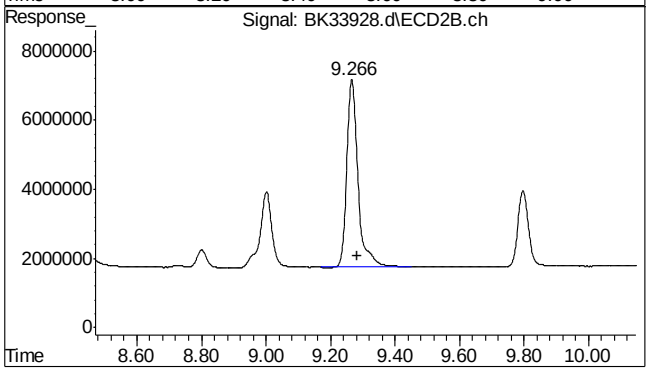
#40 AR1262-D

R.T.: 8.329 min
Delta R.T.: -0.017 min
Response: 410867349
Conc: 614.12 ppb m



#41 AR1262-E

R.T.: 8.597 min
Delta R.T.: -0.027 min
Response: 4792982408
Conc: 528.46 ppb



#41 AR1262-E

R.T.: 9.267 min
Delta R.T.: -0.015 min
Response: 129635117
Conc: 592.77 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
01/15/14 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33929.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 4:13 pm
Operator : nickk
Sample : ic1113-500,a42/68
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:11:48 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Jan 14 09:32:21 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.421	2.494	10316.7E6	345.6E6	57.972	71.352
	Spiked Amount 40.000			Recovery	= 144.93%	178.38%	
13) s	DCB	9.356	10.217	18678.5E6	486.6E6	96.938	112.441
	Spiked Amount 40.000			Recovery	= 242.35%	281.10%	
	Target Compounds						
22)	AR1242-A	2.707f	2.900f	1890.5E6	47553243	760.858m	618.997
23)	AR1242-B	3.015f	3.265f	3070.7E6	96665354	586.183	623.249
24)	AR1242-C	3.447f	3.712f	6873.8E6	188.6E6	587.781	656.050
25)	AR1242-D	3.786f	4.063f	4485.1E6	45762325	624.130m	227.439 #
26)	AR1242-E	4.505f	4.877f	5526.4E6	77236226	598.039m	277.277 #
42)	AR1268-A	6.383f	6.933f	4763.5E6	105.3E6	664.041m	678.545
43)	AR1268-B	6.734f	7.381f	5384.6E6	130.8E6	652.300	664.722m
44)	AR1268-C	7.680f	8.324f	39579.1E6	1036.0E6	622.139m	698.839m
45)	AR1268-D	8.041f	8.799f	14891.0E6	364.9E6	626.050	686.151m
46)	AR1268-E	9.056f	9.795f	32204.6E6	1082.8E6	505.907	697.434m#

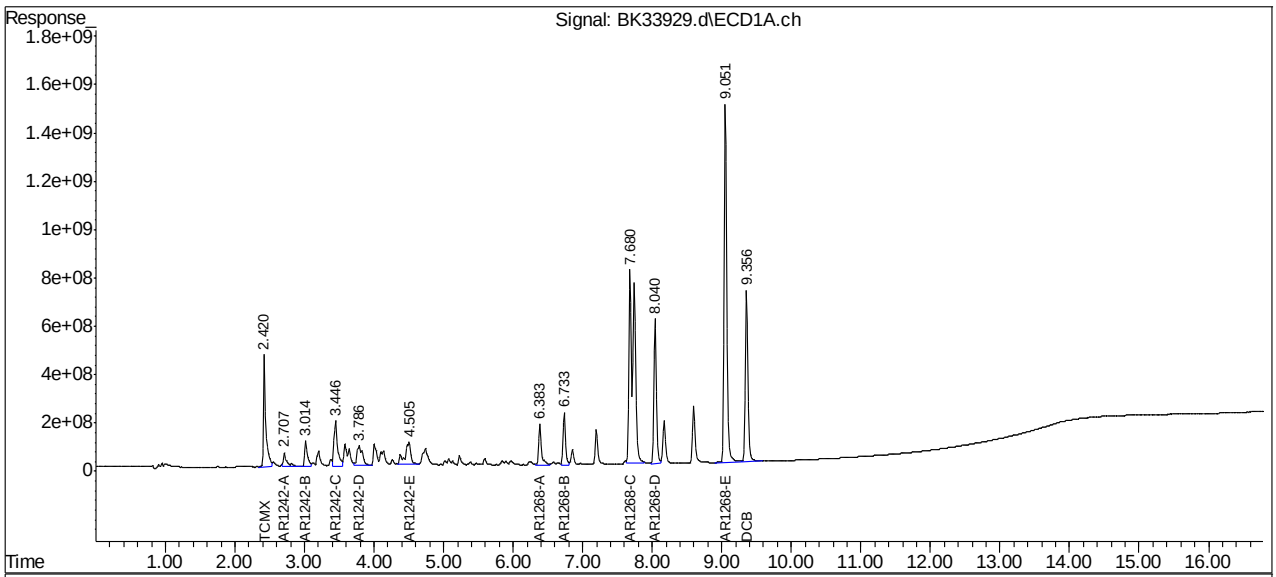
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

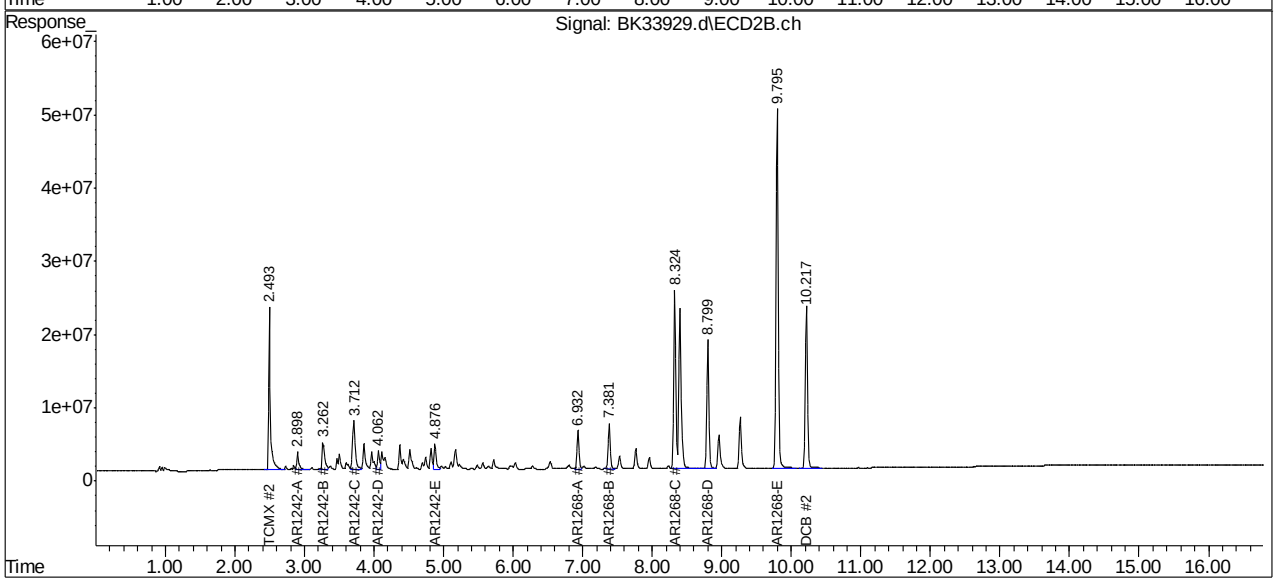
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33929.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 4:13 pm
Operator : nickk
Sample : ic1113-500,a42/68
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 59 Sample Multiplier: 1

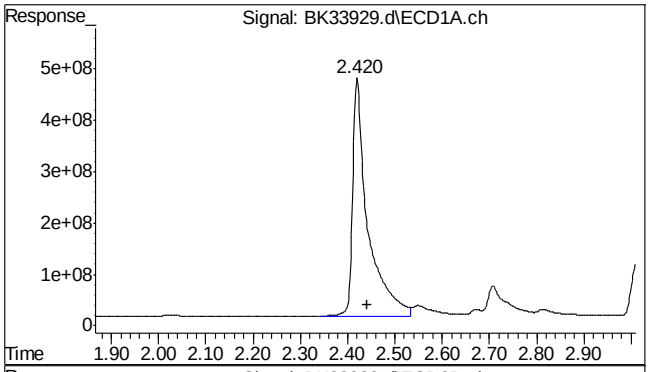
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:11:48 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Jan 14 09:32:21 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



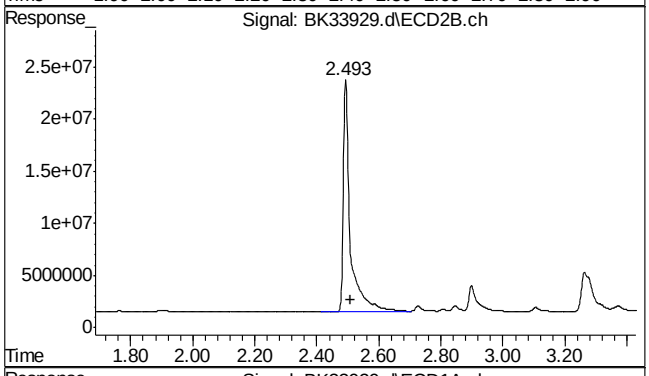


ACCUTEST LABORATORIES MC27551



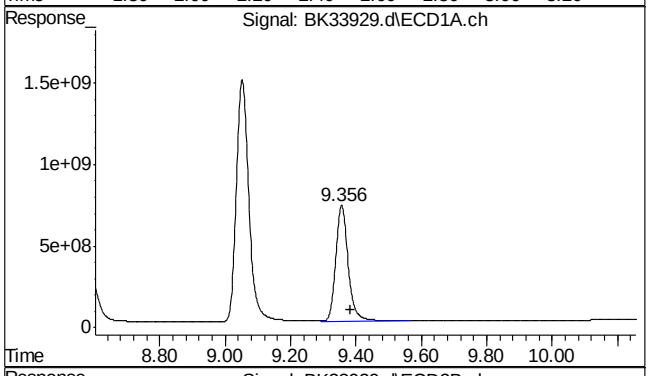
#1 TCMX

R.T.: 2.421 min
Delta R.T.: -0.020 min
Response: 10316720150
Conc: 57.97 ppb



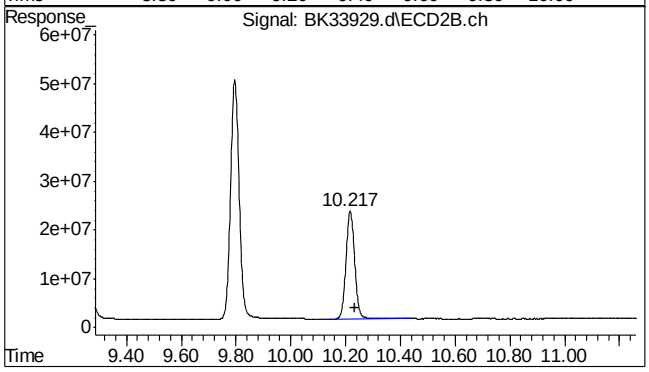
#1 TCMX

R.T.: 2.494 min
Delta R.T.: -0.016 min
Response: 345625848
Conc: 71.35 ppb



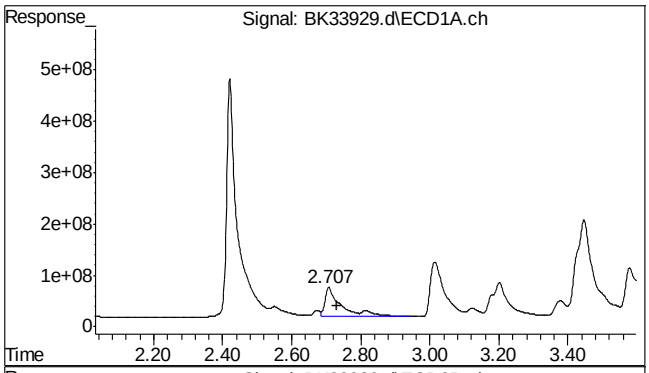
#13 DCB

R.T.: 9.356 min
Delta R.T.: -0.029 min
Response: 18678502074
Conc: 96.94 ppb



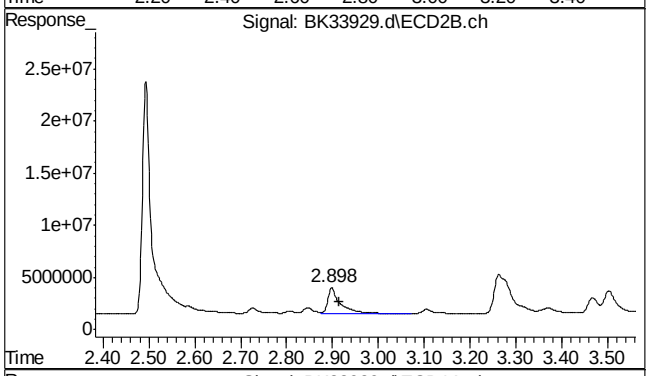
#13 DCB

R.T.: 10.217 min
Delta R.T.: -0.018 min
Response: 486554625
Conc: 112.44 ppb



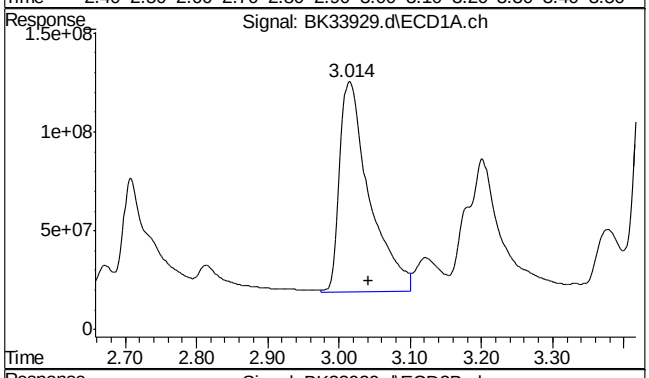
#22 AR1242-A

R.T.: 2.707 min
Delta R.T.: -0.023 min
Response: 1890457088
Conc: 760.86 ppb m



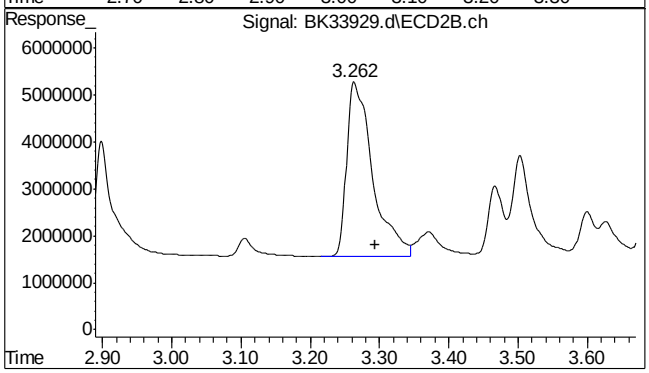
#22 AR1242-A

R.T.: 2.900 min
Delta R.T.: -0.016 min
Response: 47553243
Conc: 619.00 ppb



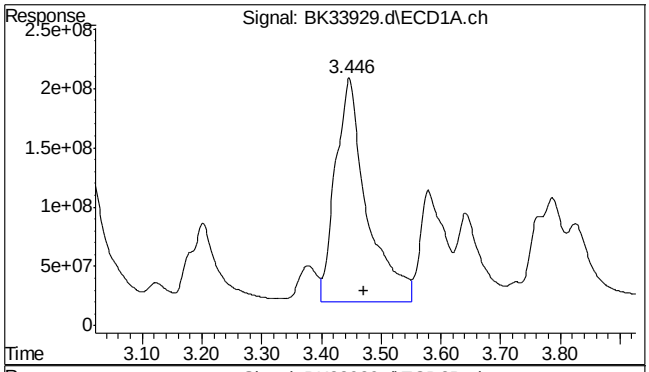
#23 AR1242-B

R.T.: 3.015 min
Delta R.T.: -0.026 min
Response: 3070706537
Conc: 586.18 ppb



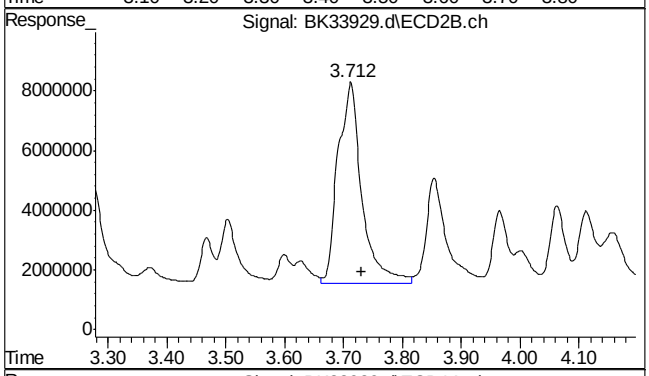
#23 AR1242-B

R.T.: 3.265 min
Delta R.T.: -0.028 min
Response: 96665354
Conc: 623.25 ppb



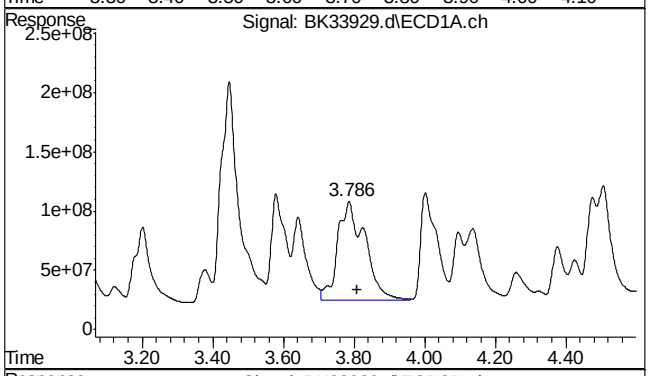
#24 AR1242-C

R.T.: 3.447 min
Delta R.T.: -0.025 min
Response: 6873773669
Conc: 587.78 ppb



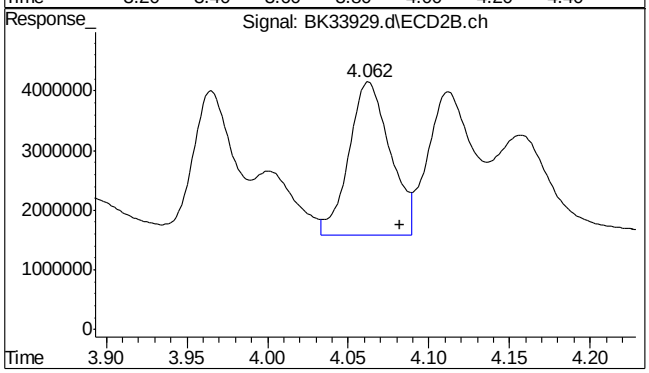
#24 AR1242-C

R.T.: 3.712 min
Delta R.T.: -0.019 min
Response: 188641260
Conc: 656.05 ppb



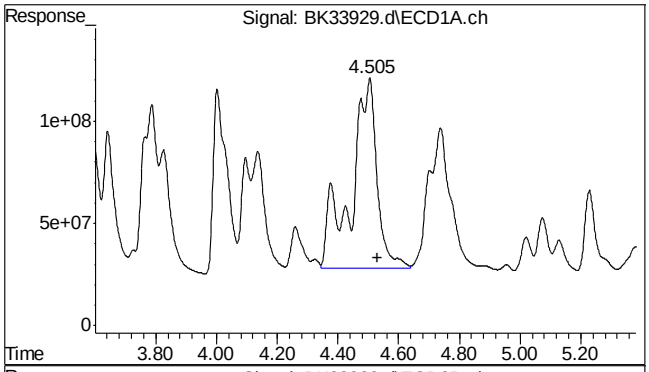
#25 AR1242-D

R.T.: 3.786 min
Delta R.T.: -0.024 min
Response: 4485056639
Conc: 624.13 ppb m



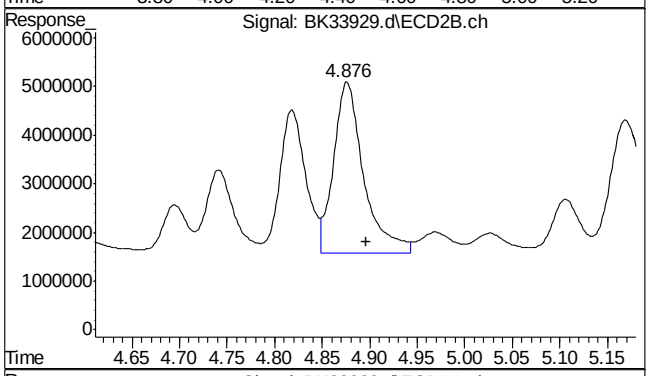
#25 AR1242-D

R.T.: 4.063 min
Delta R.T.: -0.019 min
Response: 45762325
Conc: 227.44 ppb



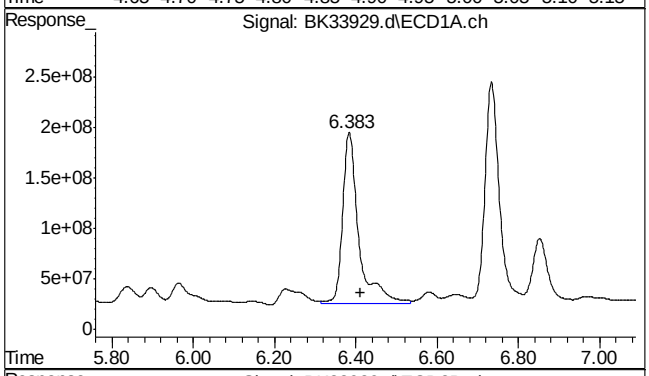
#26 AR1242-E

R.T.: 4.505 min
Delta R.T.: -0.026 min
Response: 5526384066
Conc: 598.04 ppb m



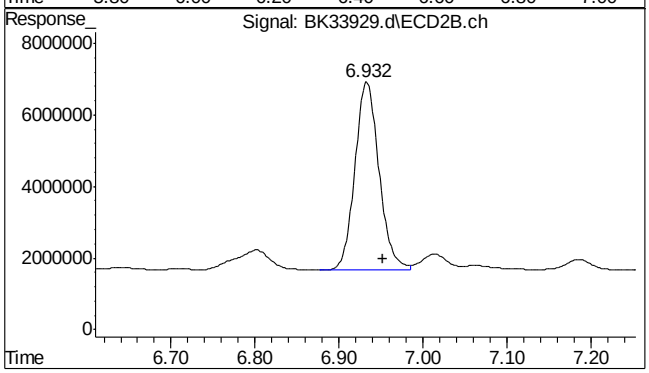
#26 AR1242-E

R.T.: 4.877 min
Delta R.T.: -0.019 min
Response: 77236226
Conc: 277.28 ppb



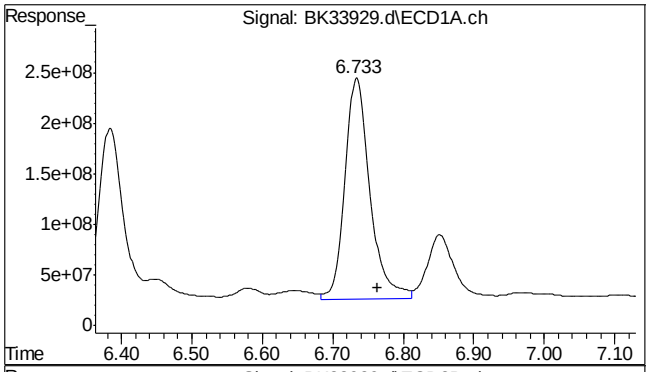
#42 AR1268-A

R.T.: 6.383 min
Delta R.T.: -0.030 min
Response: 4763494636
Conc: 664.04 ppb m



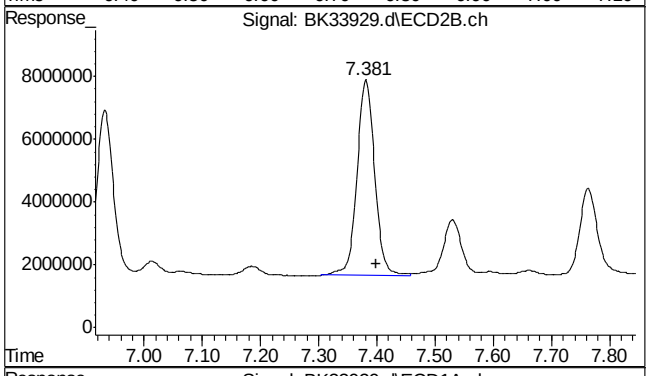
#42 AR1268-A

R.T.: 6.933 min
Delta R.T.: -0.019 min
Response: 105250086
Conc: 678.54 ppb



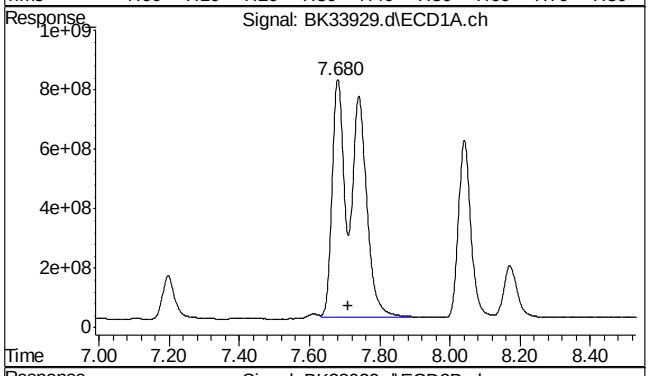
#43 AR1268-B

R.T.: 6.734 min
Delta R.T.: -0.029 min
Response: 5384588386
Conc: 652.30 ppb



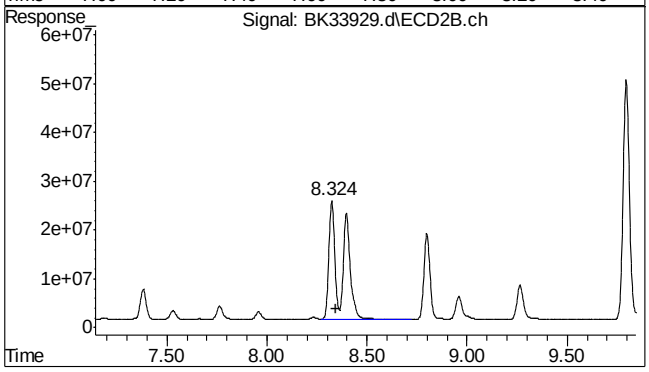
#43 AR1268-B

R.T.: 7.381 min
Delta R.T.: -0.019 min
Response: 130765029
Conc: 664.72 ppb m



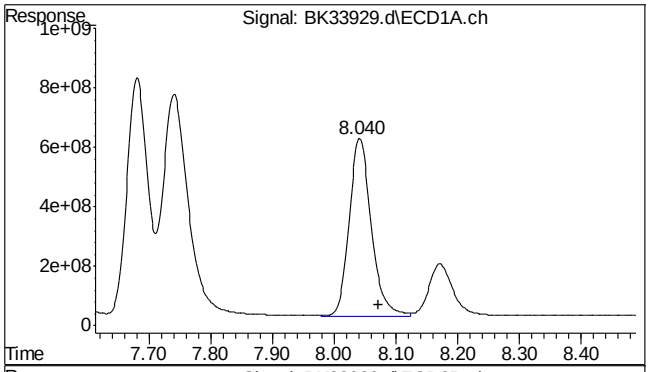
#44 AR1268-C

R.T.: 7.680 min
Delta R.T.: -0.030 min
Response: 39579088103
Conc: 622.14 ppb m



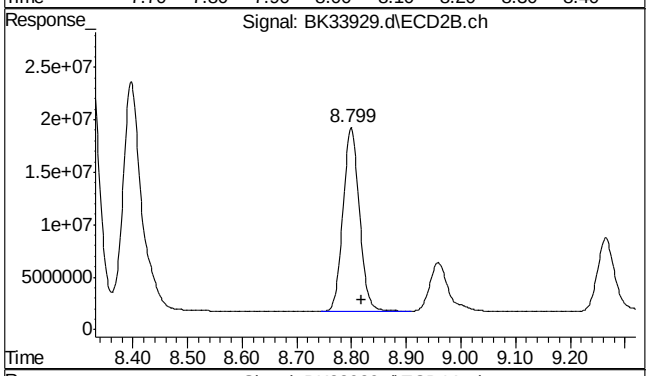
#44 AR1268-C

R.T.: 8.324 min
Delta R.T.: -0.020 min
Response: 1035970343
Conc: 698.84 ppb m



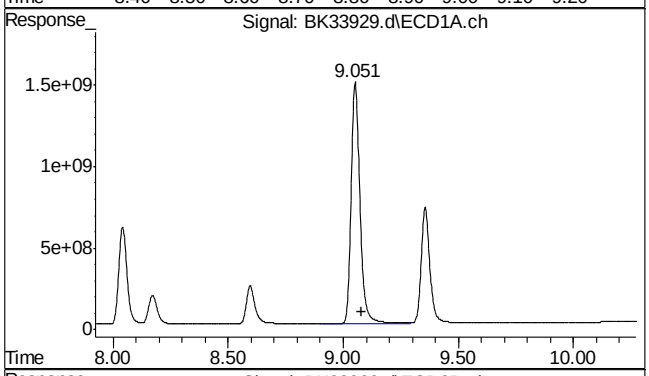
#45 AR1268-D

R.T.: 8.041 min
Delta R.T.: -0.030 min
Response: 14890998372
Conc: 626.05 ppb



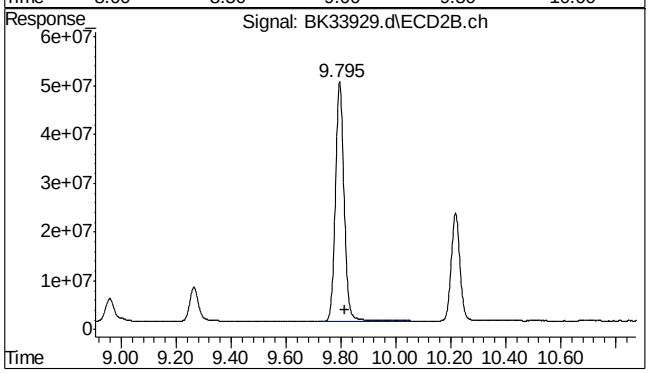
#45 AR1268-D

R.T.: 8.799 min
Delta R.T.: -0.020 min
Response: 364870673
Conc: 686.15 ppb m



#46 AR1268-E

R.T.: 9.056 min
Delta R.T.: -0.026 min
Response: 32204646287
Conc: 505.91 ppb



#46 AR1268-E

R.T.: 9.795 min
Delta R.T.: -0.020 min
Response: 1082766344
Conc: 697.43 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
01/15/14 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33930.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 4:32 pm
Operator : nickk
Sample : ic1113-500,a1248
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:01:49 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Jan 14 09:32:21 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.419	2.491	10407.0E6	330.5E6	58.479	68.236m
	Spiked Amount 40.000			Recovery =	146.20%	170.59%	
13) s	DCB	9.357	10.218	11625.3E6	296.4E6	60.333	68.500
	Spiked Amount 40.000			Recovery =	150.83%	171.25%	
	Target Compounds						
27)	AR1248-A	3.014f	3.262f	1557.1E6	51068556	535.326	586.571
28)	AR1248-B	3.446f	3.711f	4388.3E6	117.8E6	537.261	565.277m
29)	AR1248-C	3.784f	4.063f	6634.3E6	194.8E6	579.323m	609.050m
30)	AR1248-D	4.003f	4.876f	8140.4E6	295.7E6	572.342m	574.656m
31)	AR1248-E	4.505f	5.171f	9324.4E6	173.4E6	535.304m	553.258m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

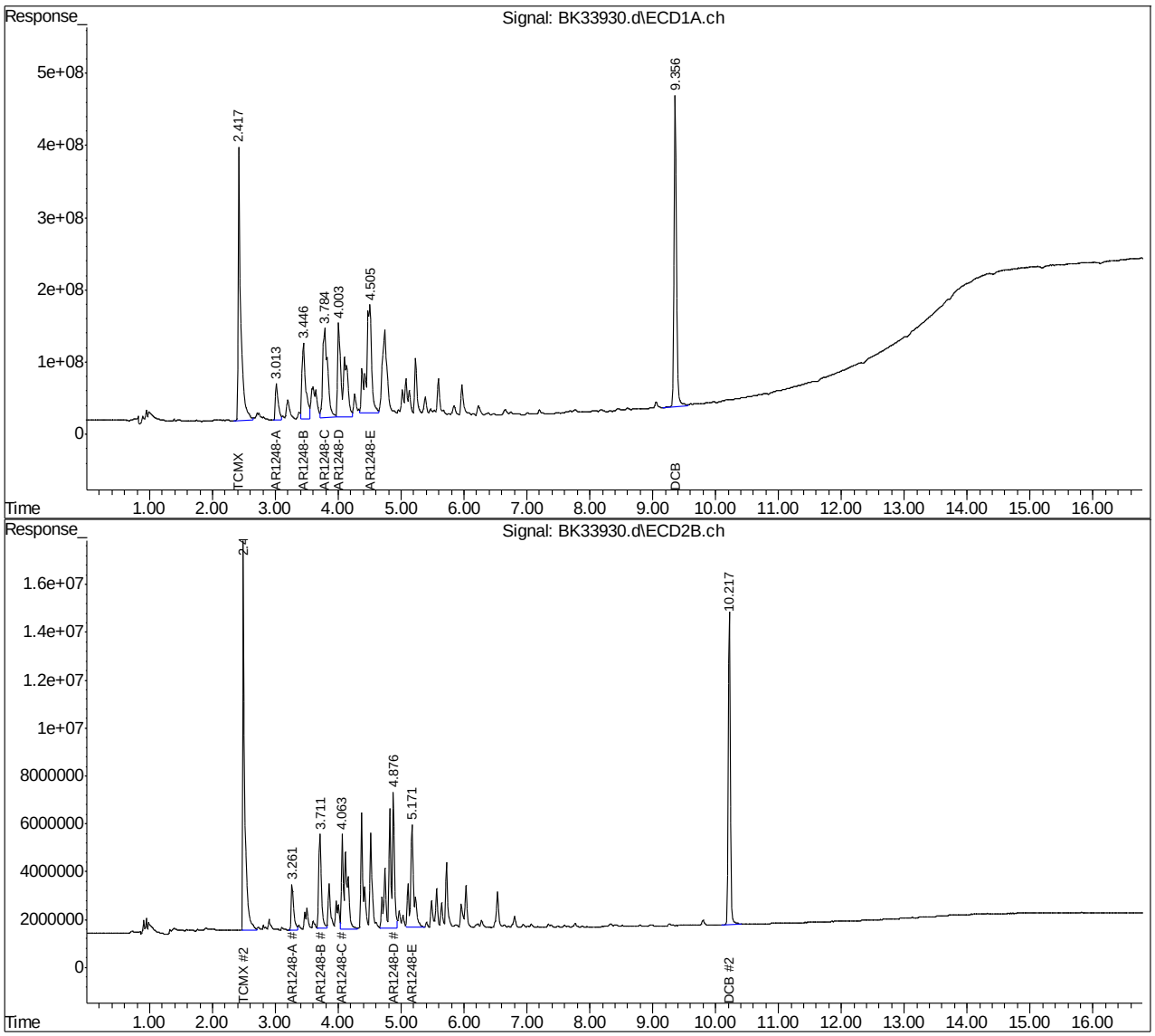
9.5.10
6

Quantitation Report (QT Reviewed)

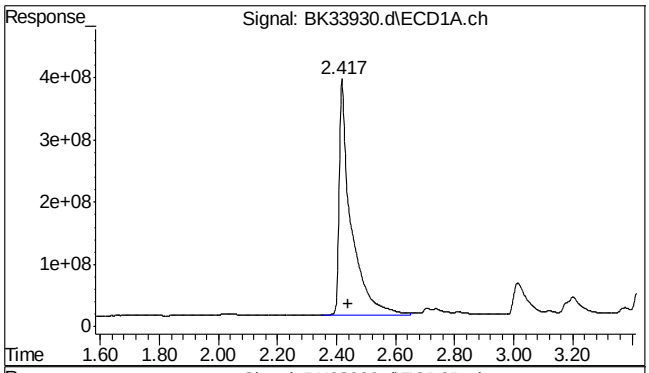
Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33930.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 4:32 pm
Operator : nickk
Sample : ic1113-500,a1248
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:01:49 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Tue Jan 14 09:32:21 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

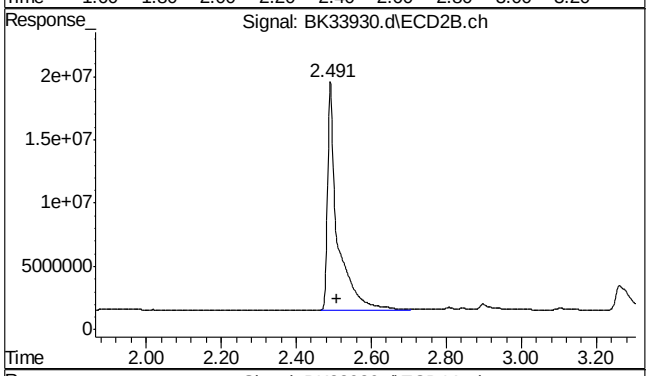


ACCUTEST LABORATORIES MC27551



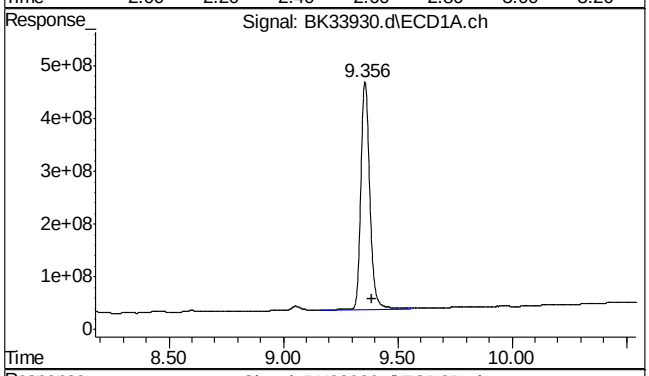
#1 TCMX

R.T.: 2.419 min
Delta R.T.: -0.022 min
Response: 10407029237
Conc: 58.48 ppb



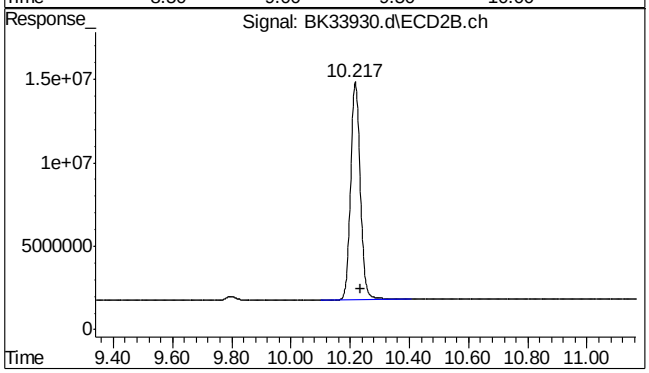
#1 TCMX

R.T.: 2.491 min
Delta R.T.: -0.019 min
Response: 330534844
Conc: 68.24 ppb m



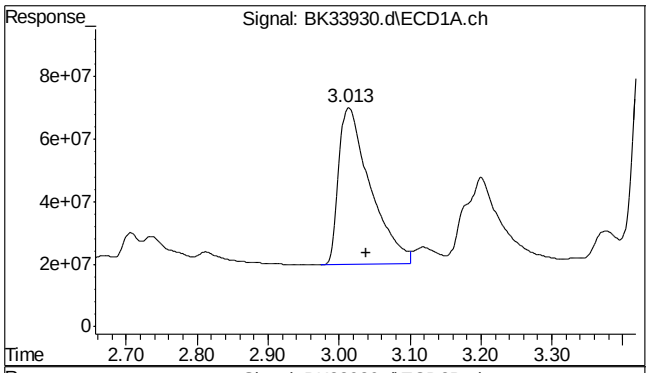
#13 DCB

R.T.: 9.357 min
Delta R.T.: -0.028 min
Response: 11625270893
Conc: 60.33 ppb



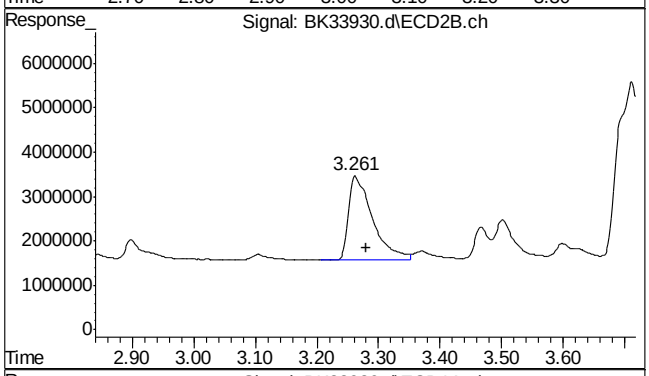
#13 DCB

R.T.: 10.218 min
Delta R.T.: -0.017 min
Response: 296412391
Conc: 68.50 ppb



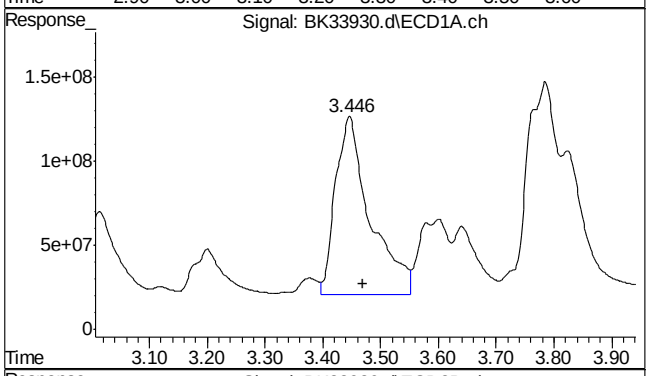
#27 AR1248-A

R.T.: 3.014 min
Delta R.T.: -0.024 min
Response: 1557106011
Conc: 535.33 ppb



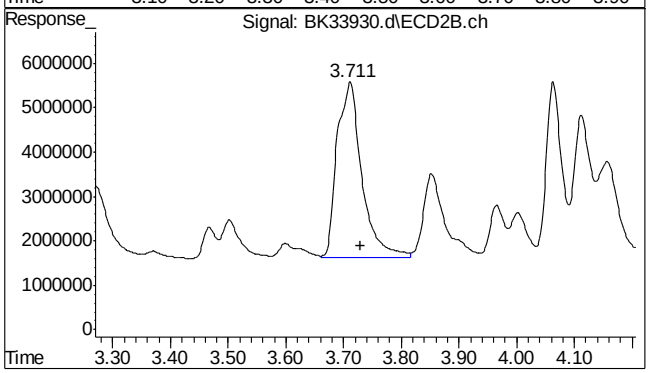
#27 AR1248-A

R.T.: 3.262 min
Delta R.T.: -0.018 min
Response: 51068556
Conc: 586.57 ppb



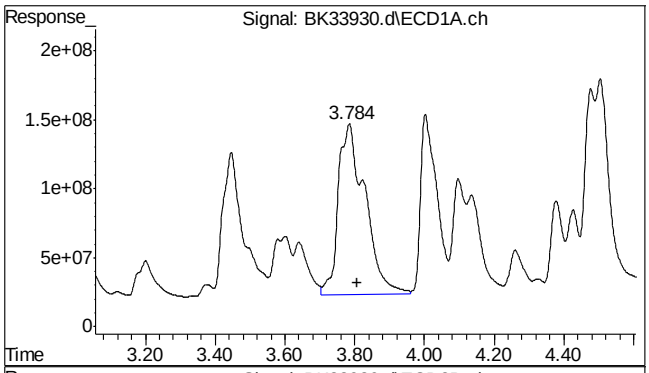
#28 AR1248-B

R.T.: 3.446 min
Delta R.T.: -0.024 min
Response: 4388305133
Conc: 537.26 ppb



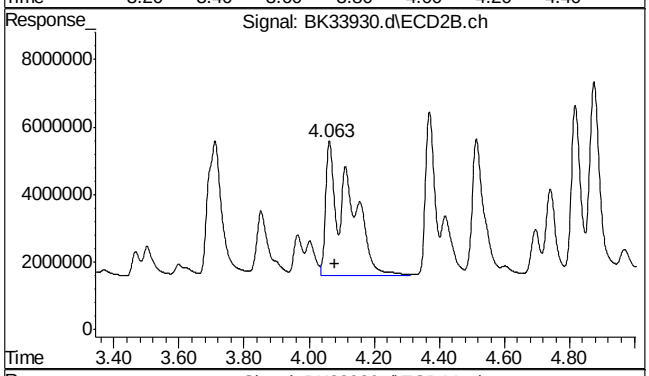
#28 AR1248-B

R.T.: 3.711 min
Delta R.T.: -0.018 min
Response: 117757775
Conc: 565.28 ppb m



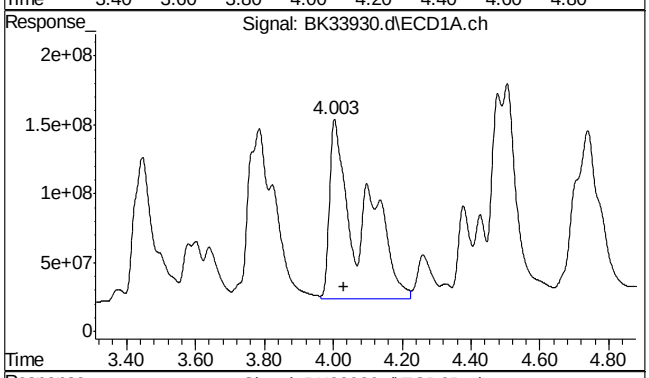
#29 AR1248-C

R.T.: 3.784 min
Delta R.T.: -0.025 min
Response: 6634345716
Conc: 579.32 ppb m



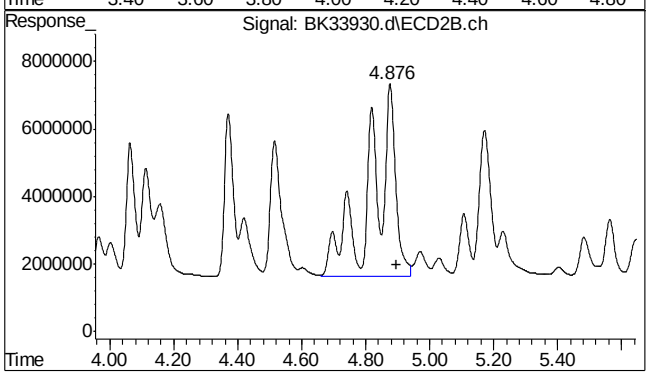
#29 AR1248-C

R.T.: 4.063 min
Delta R.T.: -0.018 min
Response: 194793885
Conc: 609.05 ppb m



#30 AR1248-D

R.T.: 4.003 min
Delta R.T.: -0.028 min
Response: 8140449699
Conc: 572.34 ppb m

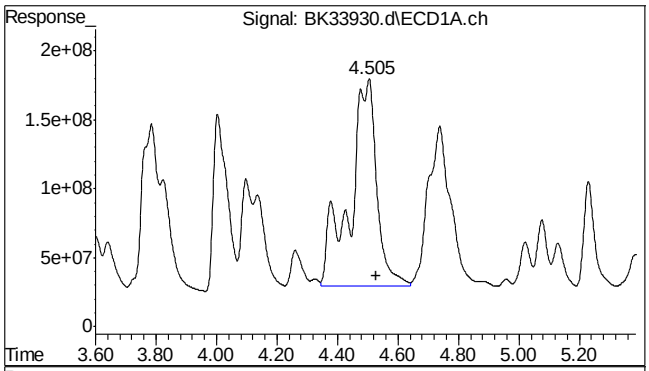


#30 AR1248-D

R.T.: 4.876 min
Delta R.T.: -0.019 min
Response: 295725475
Conc: 574.66 ppb m

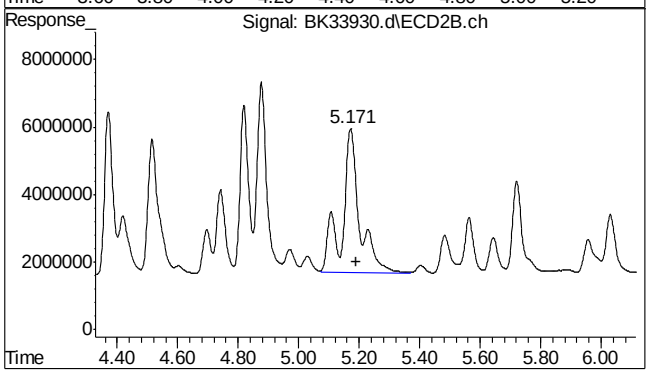
9.5.10

9



#31 AR1248-E

R.T.: 4.505 min
Delta R.T.: -0.023 min
Response: 9324378268
Conc: 535.30 ppb m



#31 AR1248-E

R.T.: 5.171 min
Delta R.T.: -0.019 min
Response: 173413815
Conc: 553.26 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
01/15/14 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33931.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 4:51 pm
Operator : nickk
Sample : icv1113-500,a16/60
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:48:26 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Wed Jan 15 08:45:58 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.418	2.490	9915.1E6	294.6E6	49.219	45.849
	Spiked Amount 40.000			Recovery	=	123.05%	114.62%
13) s	DCB	9.359	10.218	10082.2E6	261.5E6	43.426	44.388m
	Spiked Amount 40.000			Recovery	=	108.57%	110.97%
	Target Compounds						
2)	AR1016-A	2.705	2.897	2080.0E6	56083607	444.599m	462.476
3)	AR1016-B	3.018	3.276	3353.0E6	104.9E6	422.208	439.605
4)	AR1016-C	3.449	3.713	7546.1E6	209.7E6	446.923	462.948
5)	AR1016-D	3.581f	3.855	4918.5E6	84735113	452.686m	457.846m
6)	AR1016-E	4.008f	3.966	2768.8E6	60898638	402.926m	445.559m
7)	AR1260-A	5.468	5.989	4897.8E6	136.0E6	442.986	451.474
8)	AR1260-B	5.838	6.280	8718.0E6	159.4E6	428.688m	455.118
9)	AR1260-C	6.226	6.802f	15189.3E6	394.1E6	434.676m	445.982m
10)	AR1260-D	7.199	7.766	10860.0E6	282.8E6	433.676m	436.543
11)	AR1260-E	7.628	8.338	11690.6E6	282.9E6	442.053m	443.022m
12)	AR1260-F	8.599	9.268	3067.5E6	82676200	459.457	461.260

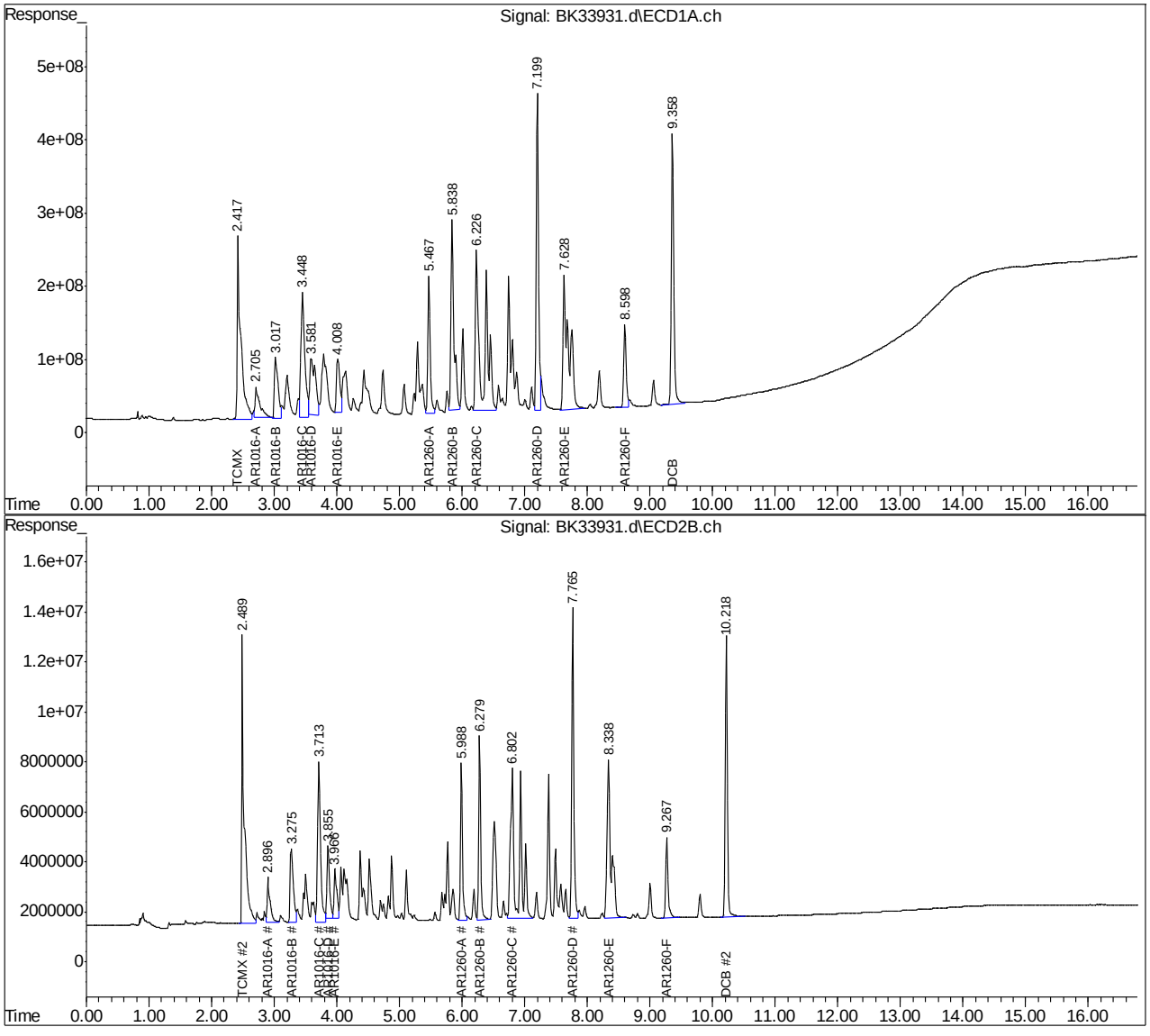
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

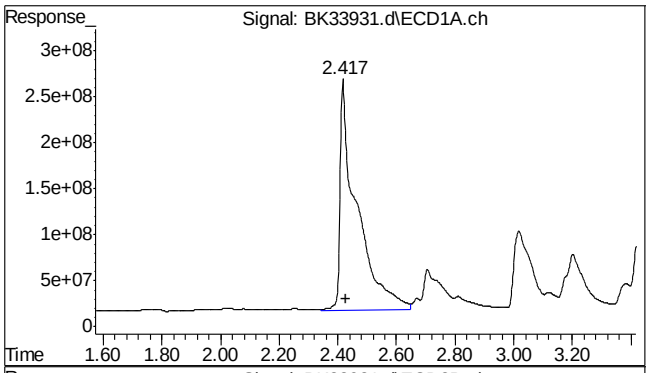
Data Path : C:\msdchem\1\DATA\BK140114\
Data File : BK33931.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jan 2014 4:51 pm
Operator : nickk
Sample : icv1113-500,a16/60
Misc : op36519,gbk1113,1000,,,5,,w
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 08:48:26 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Wed Jan 15 08:45:58 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

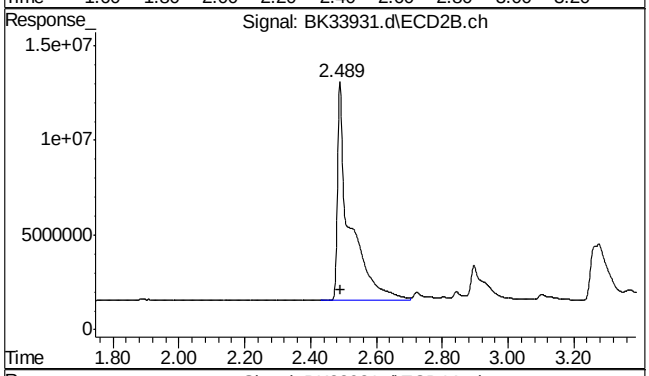


ACCUTEST LABORATORIES MC27551



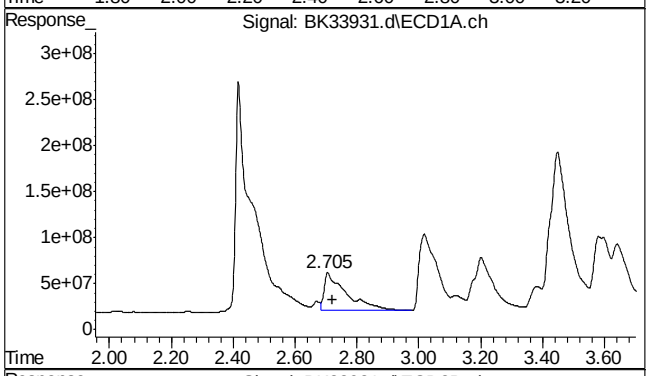
#1 TCMX

R.T.: 2.418 min
Delta R.T.: -0.011 min
Response: 9915144945
Conc: 49.22 ppb



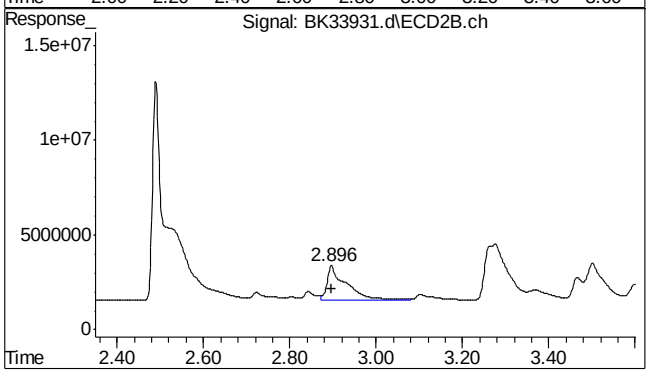
#1 TCMX

R.T.: 2.490 min
Delta R.T.: 0.000 min
Response: 294631308
Conc: 45.85 ppb



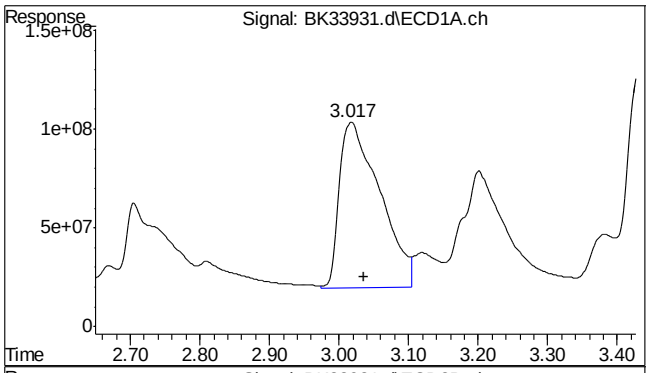
#2 AR1016-A

R.T.: 2.705 min
Delta R.T.: -0.015 min
Response: 2080017284
Conc: 444.60 ppb m



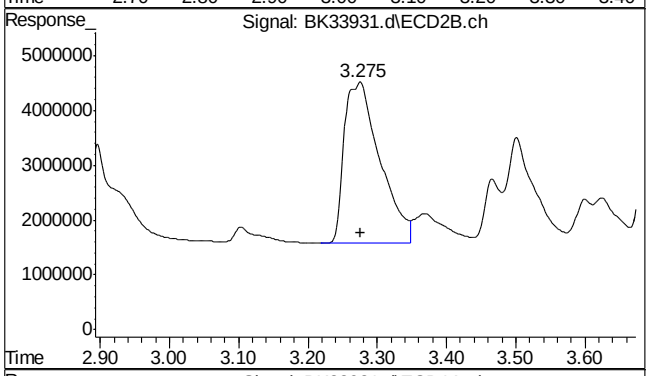
#2 AR1016-A

R.T.: 2.897 min
Delta R.T.: 0.000 min
Response: 56083607
Conc: 462.48 ppb



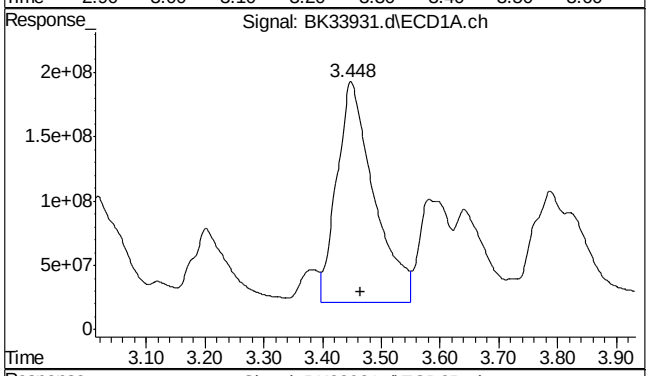
#3 AR1016-B

R.T.: 3.018 min
Delta R.T.: -0.018 min
Response: 3353010049
Conc: 422.21 ppb



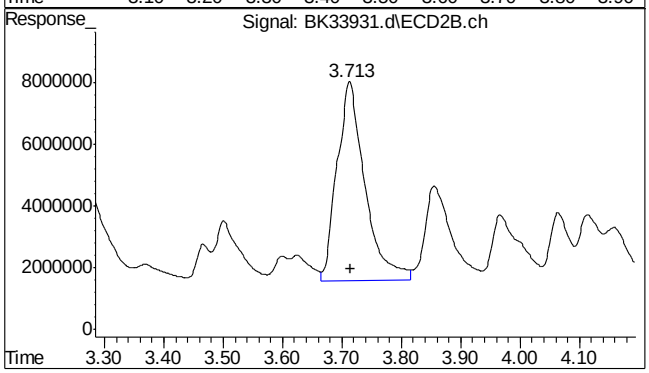
#3 AR1016-B

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 104859193
Conc: 439.61 ppb



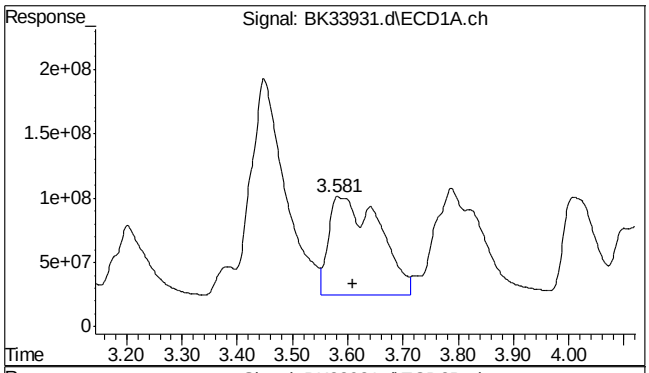
#4 AR1016-C

R.T.: 3.449 min
Delta R.T.: -0.016 min
Response: 7546119634
Conc: 446.92 ppb



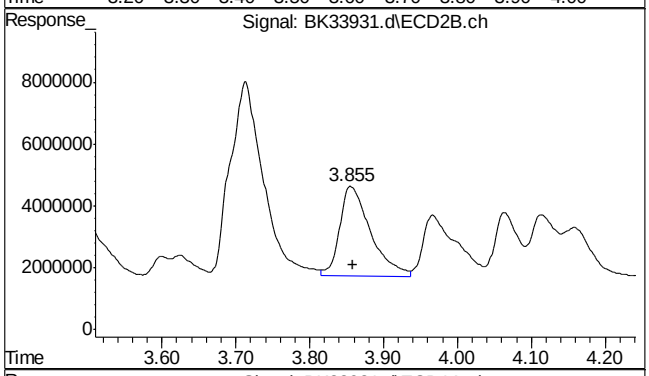
#4 AR1016-C

R.T.: 3.713 min
Delta R.T.: 0.000 min
Response: 209718757
Conc: 462.95 ppb



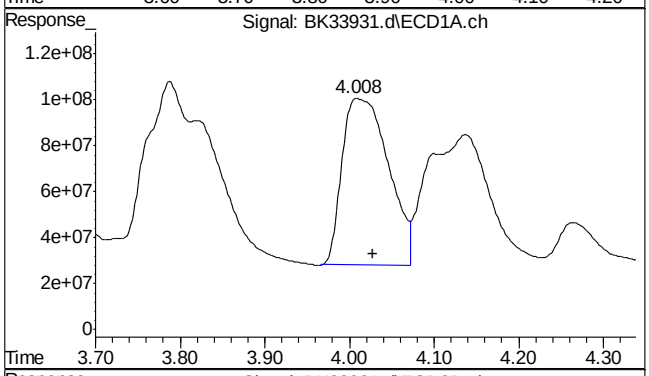
#5 AR1016-D

R.T.: 3.581 min
Delta R.T.: -0.029 min
Response: 4918475098
Conc: 452.69 m



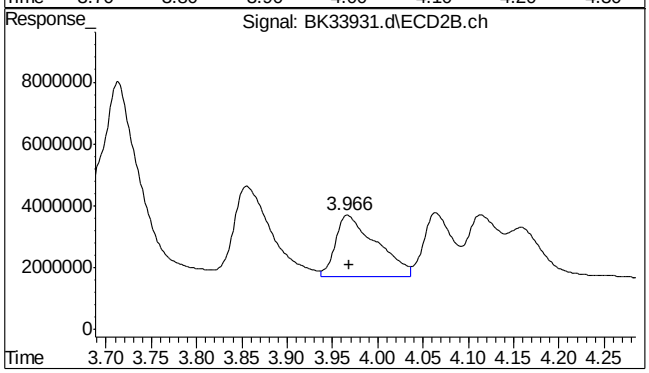
#5 AR1016-D

R.T.: 3.855 min
Delta R.T.: -0.003 min
Response: 84735113
Conc: 457.85 m



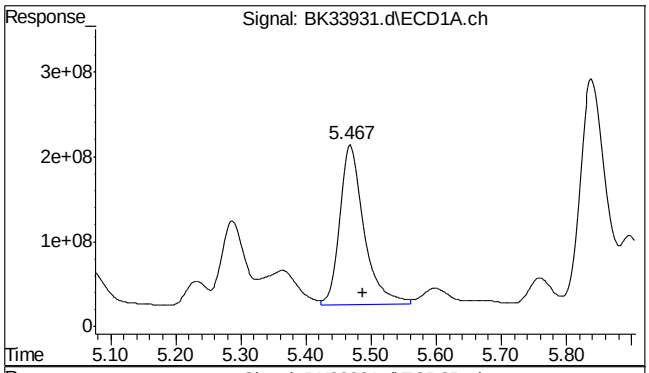
#6 AR1016-E

R.T.: 4.008 min
Delta R.T.: -0.020 min
Response: 2768777486
Conc: 402.93 m



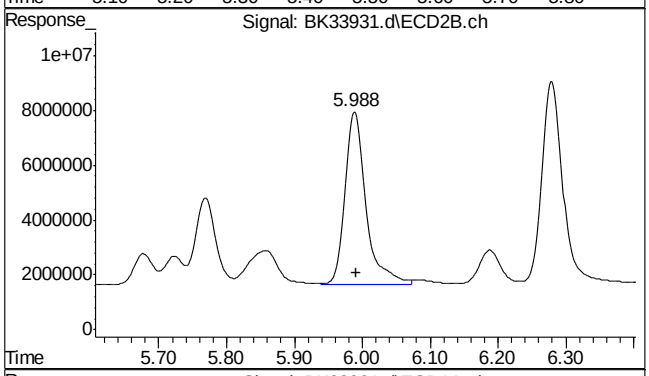
#6 AR1016-E

R.T.: 3.966 min
Delta R.T.: -0.003 min
Response: 60898638
Conc: 445.56 m



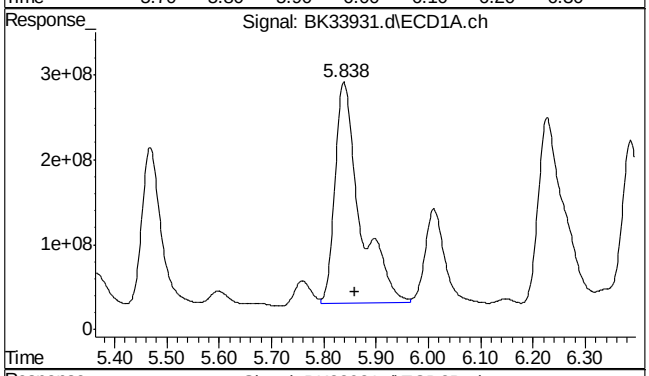
#7 AR1260-A

R.T.: 5.468 min
Delta R.T.: -0.019 min
Response: 4897779810
Conc: 442.99 ppb



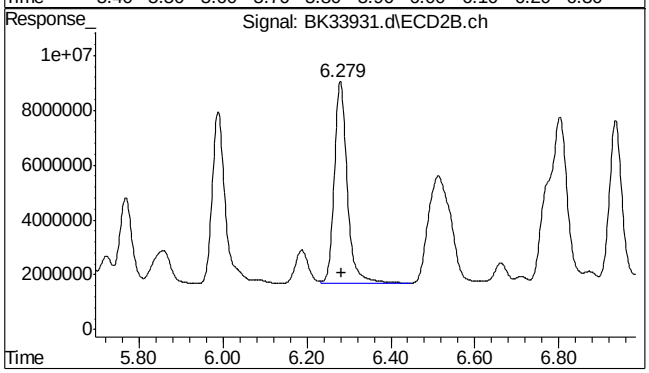
#7 AR1260-A

R.T.: 5.989 min
Delta R.T.: -0.003 min
Response: 136017556
Conc: 451.47 ppb



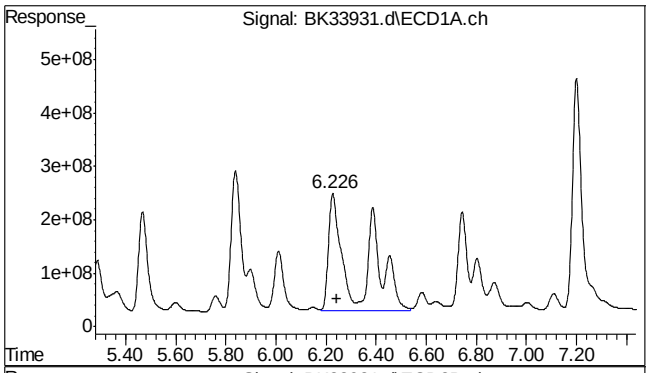
#8 AR1260-B

R.T.: 5.838 min
Delta R.T.: -0.021 min
Response: 8718014537
Conc: 428.69 ppb m



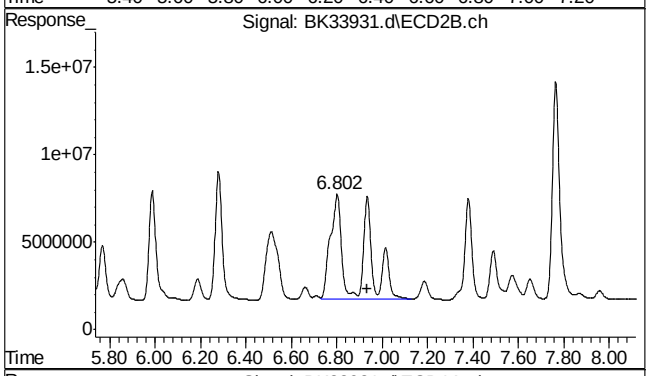
#8 AR1260-B

R.T.: 6.280 min
Delta R.T.: -0.003 min
Response: 159353199
Conc: 455.12 ppb



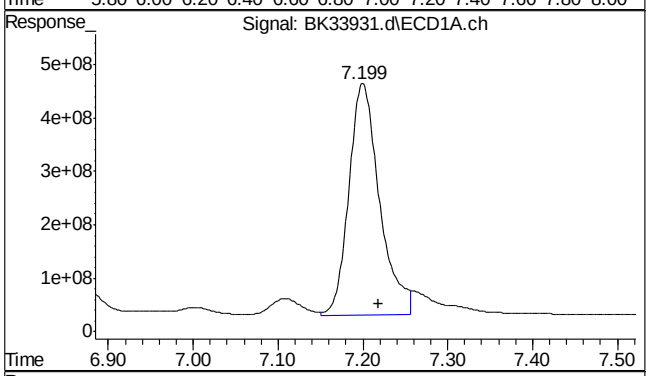
#9 AR1260-C

R.T.: 6.226 min
Delta R.T.: -0.020 min
Response: 15189272519
Conc: 434.68 ppb m



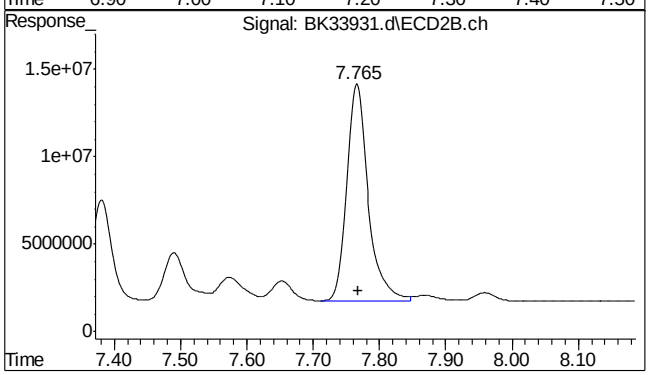
#9 AR1260-C

R.T.: 6.802 min
Delta R.T.: -0.135 min
Response: 394074391
Conc: 445.98 ppb m



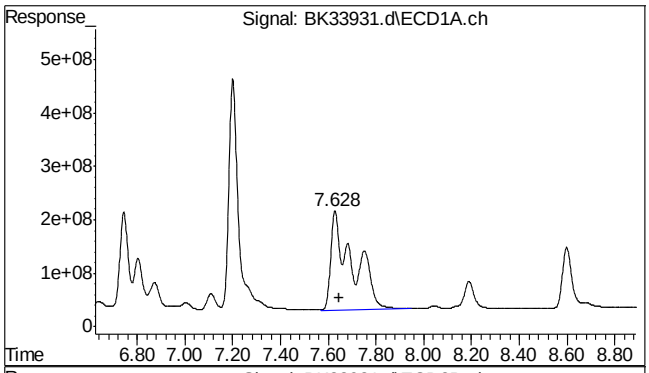
#10 AR1260-D

R.T.: 7.199 min
Delta R.T.: -0.020 min
Response: 10860028820
Conc: 433.68 ppb m



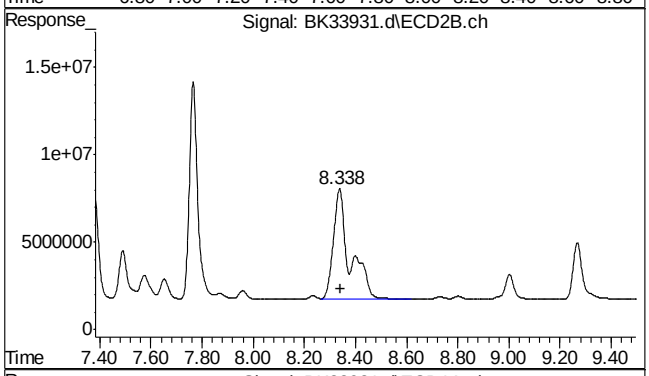
#10 AR1260-D

R.T.: 7.766 min
Delta R.T.: -0.003 min
Response: 282751005
Conc: 436.54 ppb



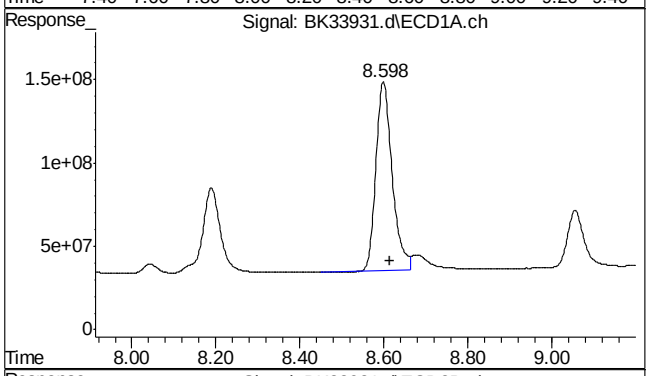
#11 AR1260-E

R.T.: 7.628 min
Delta R.T.: -0.018 min
Response: 11690638281
Conc: 442.05 ppb m



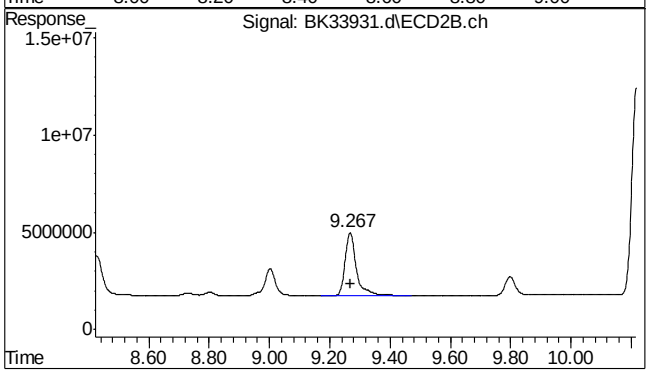
#11 AR1260-E

R.T.: 8.338 min
Delta R.T.: -0.005 min
Response: 282945627
Conc: 443.02 ppb m



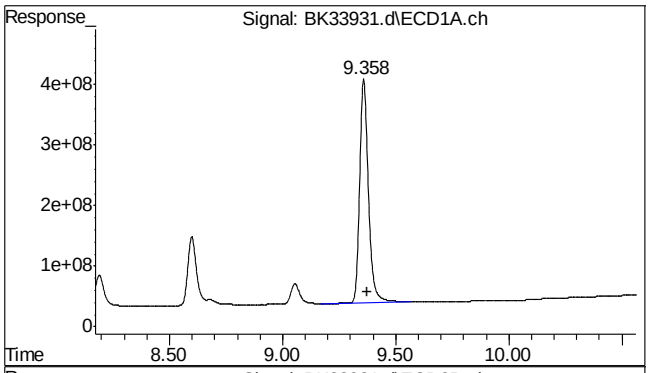
#12 AR1260-F

R.T.: 8.599 min
Delta R.T.: -0.016 min
Response: 3067540936
Conc: 459.46



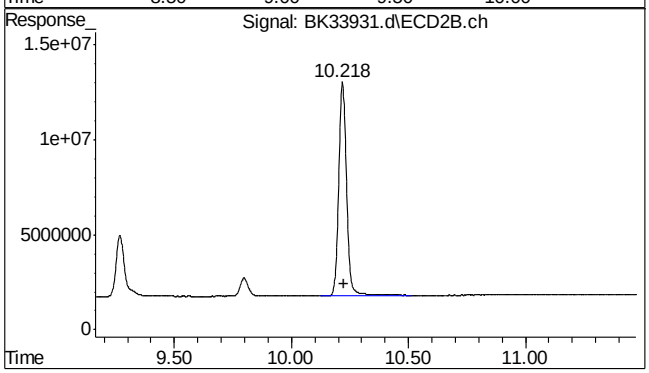
#12 AR1260-F

R.T.: 9.268 min
Delta R.T.: -0.002 min
Response: 82676200
Conc: 461.26



#13 DCB

R.T.: 9.359 min
Delta R.T.: -0.016 min
Response: 10082169501
Conc: 43.43 ppb



#13 DCB

R.T.: 10.218 min
Delta R.T.: -0.005 min
Response: 261526355
Conc: 44.39 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
01/16/14 10:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140115\
Data File : BK33947.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jan 2014 9:06 am
Operator : nickk
Sample : cc1113-750,a16/60
Misc : op36519,gbk1114,1000,,,5,,w
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 09:43:16 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Wed Jan 15 08:45:58 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.432	2.491	12665.8E6	358.8E6	62.873	55.830m
	Spiked Amount 40.000			Recovery	= 157.18%	139.58%	
13) s	DCB	9.374	10.225	13147.8E6	319.6E6	56.631m	54.250
	Spiked Amount 40.000			Recovery	= 141.58%	135.63%	
	Target Compounds						
2)	AR1016-A	2.721	2.900	3379.9E6	86003057	722.439m	709.198
3)	AR1016-B	3.034	3.272	5981.6E6	168.2E6	753.200m	705.270
4)	AR1016-C	3.466	3.715	13099.8E6	334.2E6	775.841m	737.716
5)	AR1016-D	3.599	3.858	8305.9E6	144.4E6	764.454m	780.253
6)	AR1016-E	4.025	3.968	5031.1E6	93762808	732.155m	686.006m
7)	AR1260-A	5.488	5.993	8591.3E6	217.8E6	777.049m	722.857
8)	AR1260-B	5.858	6.285	15057.8E6	258.5E6	740.433m	738.281
9)	AR1260-C	6.248	6.806f	26878.2E6	637.2E6	769.181m	721.151m
10)	AR1260-D	7.219	7.770	19993.9E6	491.7E6	798.420m	759.182
11)	AR1260-E	7.646	8.344	20106.0E6	463.5E6	760.258m	725.780m
12)	AR1260-F	8.614	9.272	5085.3E6	130.6E6	761.679m	728.844

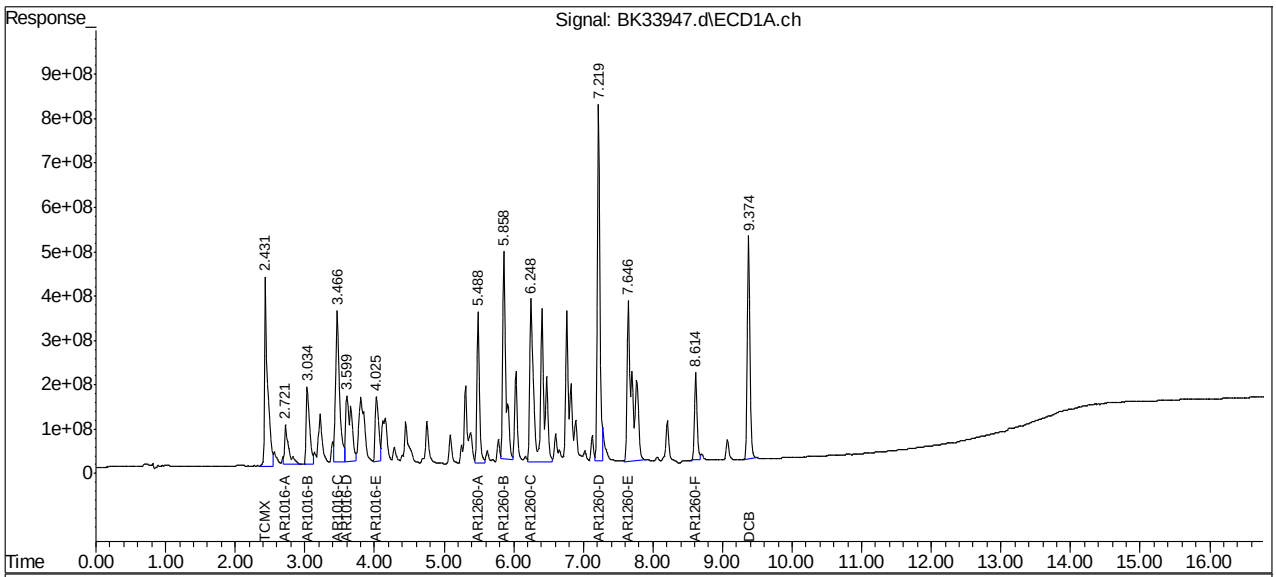
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

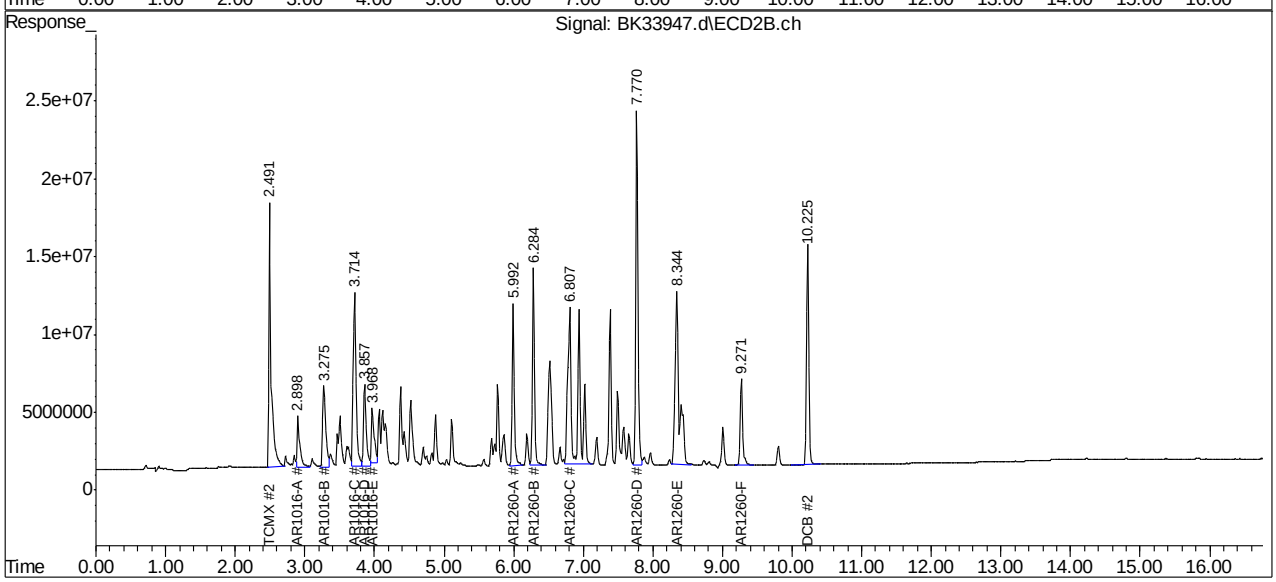
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140115\
Data File : BK33947.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jan 2014 9:06 am
Operator : nickk
Sample : cc1113-750,a16/60
Misc : op36519,gbk1114,1000,,,5,,w
ALS Vial : 100 Sample Multiplier: 1

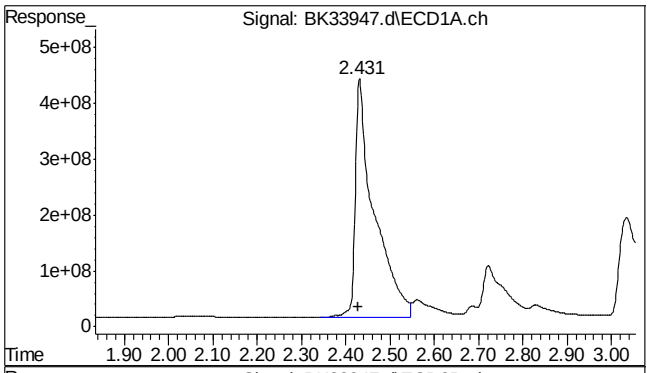
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 09:43:16 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Wed Jan 15 08:45:58 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



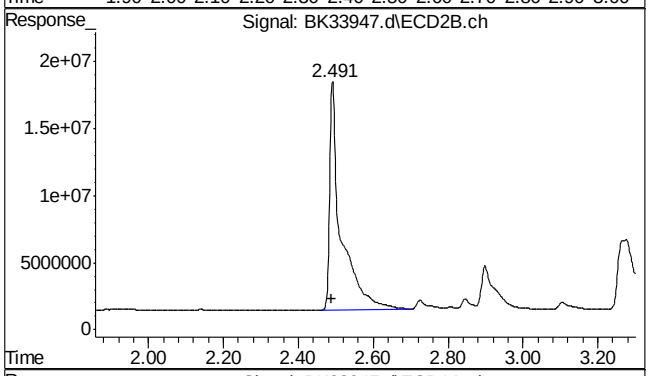


ACCUTEST LABORATORIES MC27551



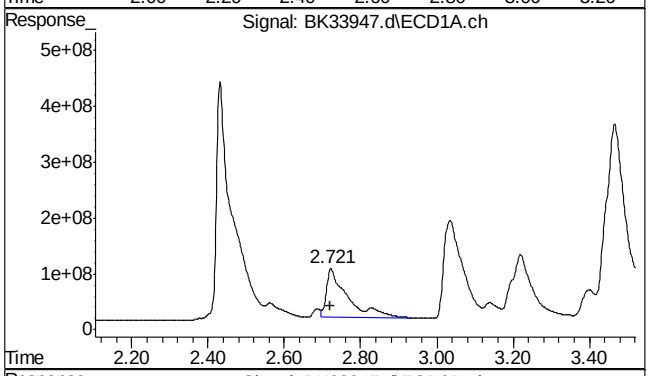
#1 TCMX

R.T.: 2.432 min
Delta R.T.: 0.003 min
Response: 12665837377
Conc: 62.87 ppb



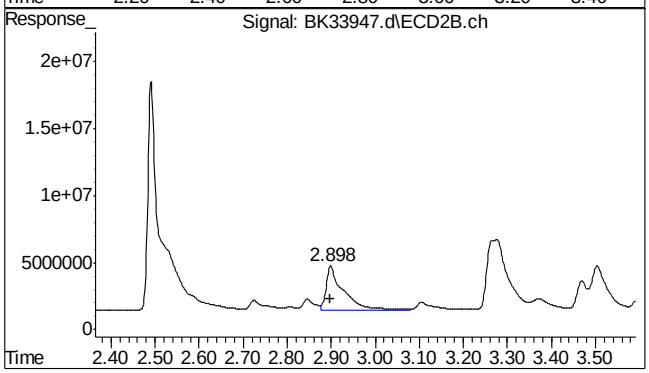
#1 TCMX

R.T.: 2.491 min
Delta R.T.: 0.002 min
Response: 358769414
Conc: 55.83 ppb m



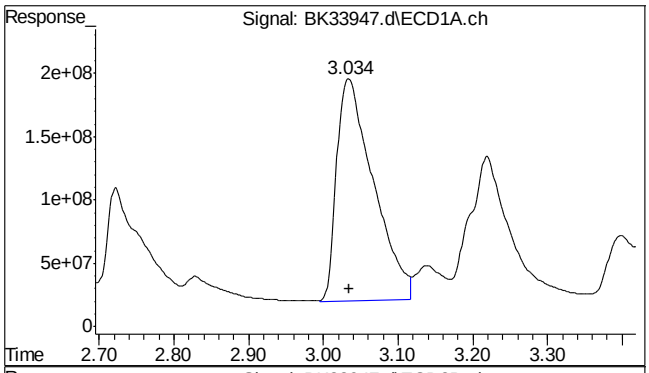
#2 AR1016-A

R.T.: 2.721 min
Delta R.T.: 0.002 min
Response: 3379864727
Conc: 722.44 ppb m



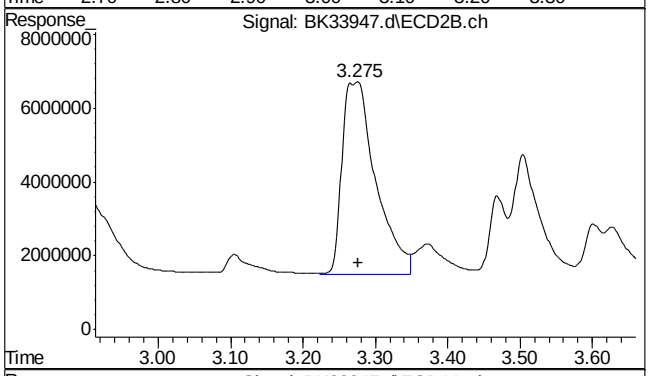
#2 AR1016-A

R.T.: 2.900 min
Delta R.T.: 0.003 min
Response: 86003057
Conc: 709.20 ppb



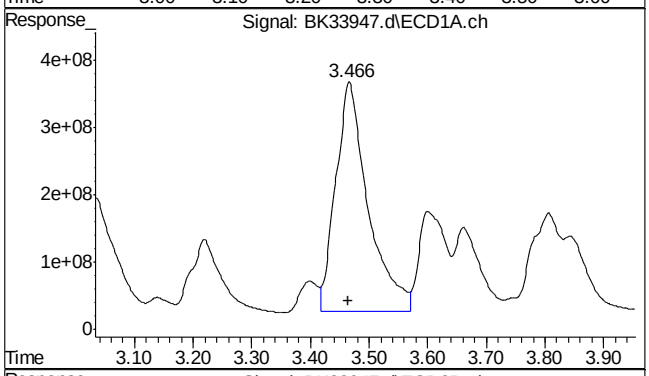
#3 AR1016-B

R.T.: 3.034 min
Delta R.T.: -0.002 min
Response: 5981626642
Conc: 753.20 ppb m



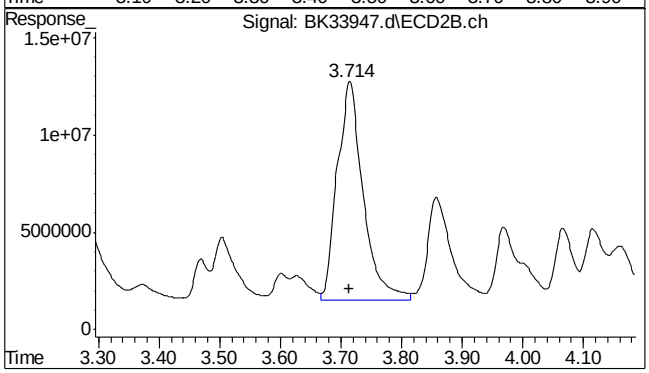
#3 AR1016-B

R.T.: 3.272 min
Delta R.T.: -0.004 min
Response: 168228425
Conc: 705.27 ppb



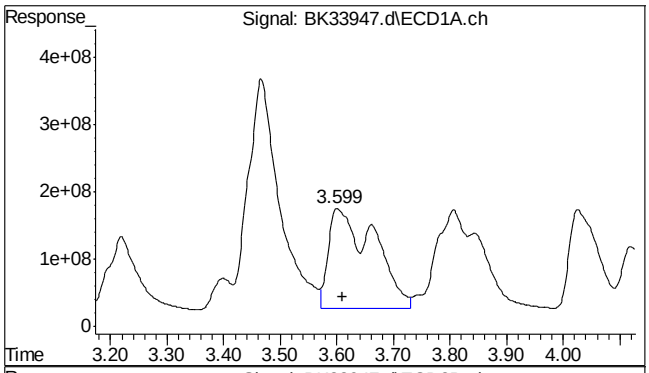
#4 AR1016-C

R.T.: 3.466 min
Delta R.T.: 0.000 min
Response: 13099781927
Conc: 775.84 ppb m



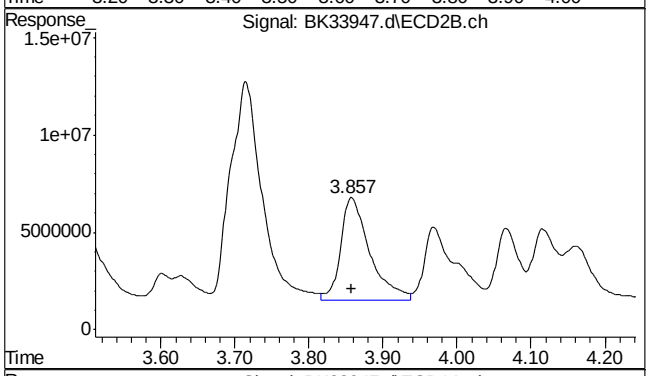
#4 AR1016-C

R.T.: 3.715 min
Delta R.T.: 0.001 min
Response: 334190750
Conc: 737.72 ppb



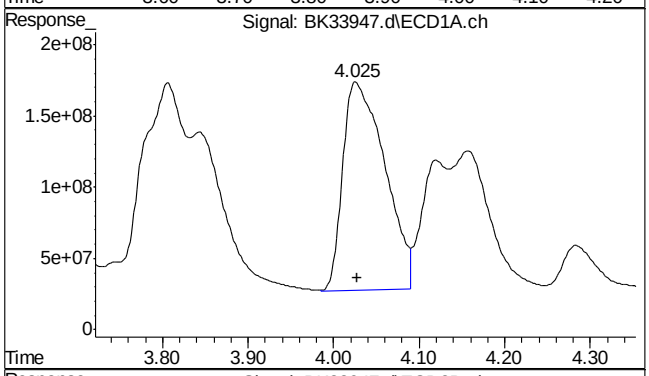
#5 AR1016-D

R.T.: 3.599 min
Delta R.T.: -0.011 min
Response: 8305875605
Conc: 764.45 m



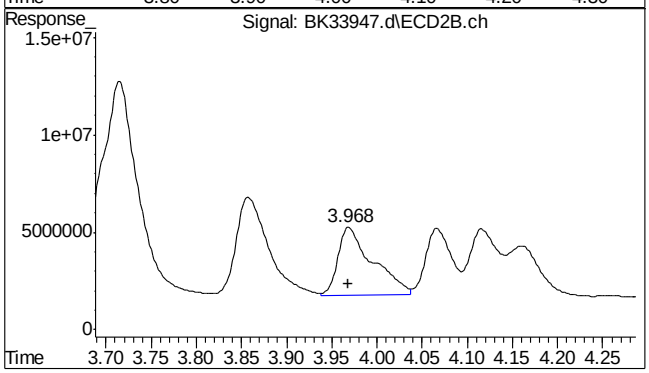
#5 AR1016-D

R.T.: 3.858 min
Delta R.T.: 0.000 min
Response: 144404198
Conc: 780.25



#6 AR1016-E

R.T.: 4.025 min
Delta R.T.: -0.003 min
Response: 5031129418
Conc: 732.15 m

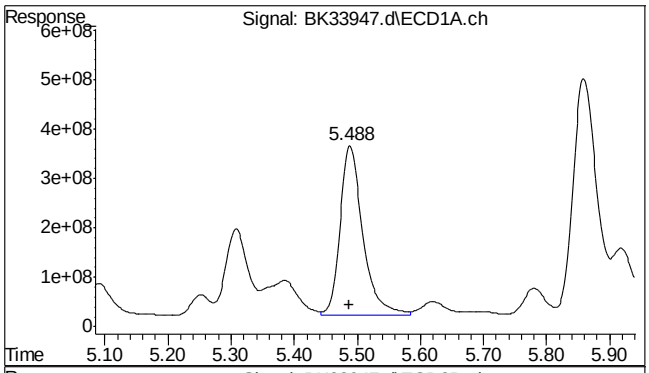


#6 AR1016-E

R.T.: 3.968 min
Delta R.T.: 0.000 min
Response: 93762808
Conc: 686.01 m

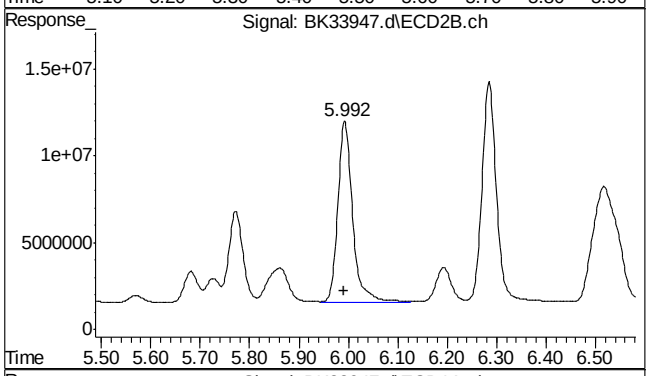
9.5.12

9



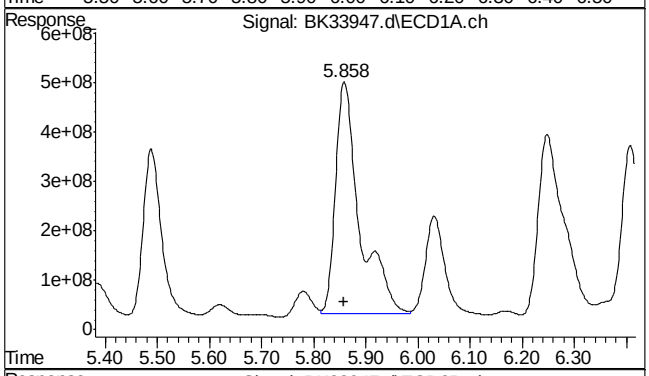
#7 AR1260-A

R.T.: 5.488 min
Delta R.T.: 0.000 min
Response: 8591270302
Conc: 777.05 ppb m



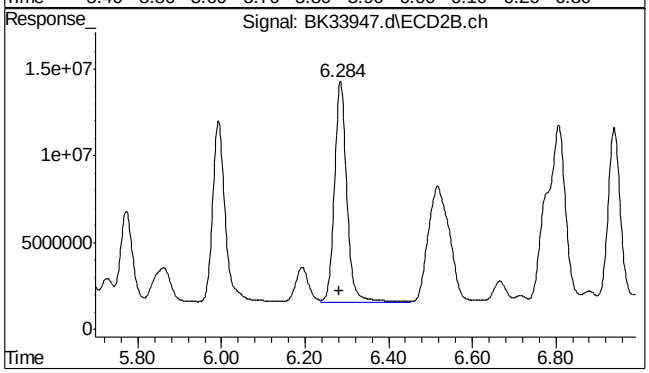
#7 AR1260-A

R.T.: 5.993 min
Delta R.T.: 0.001 min
Response: 217778232
Conc: 722.86 ppb



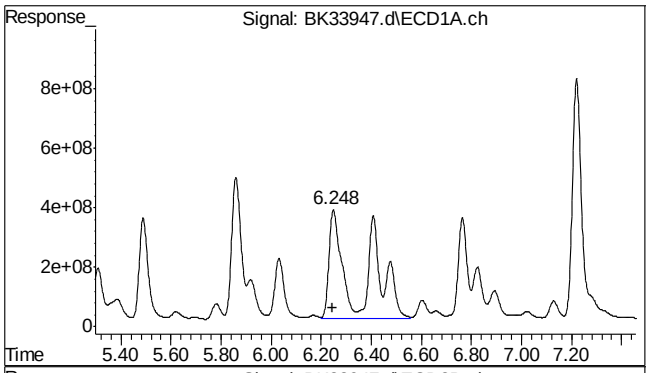
#8 AR1260-B

R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 15057806581
Conc: 740.43 ppb m



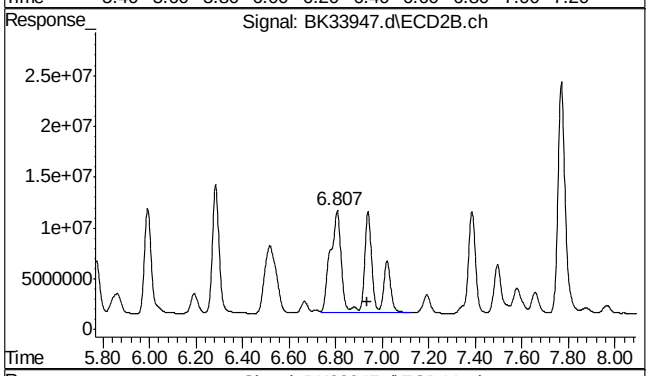
#8 AR1260-B

R.T.: 6.285 min
Delta R.T.: 0.002 min
Response: 258499008
Conc: 738.28 ppb



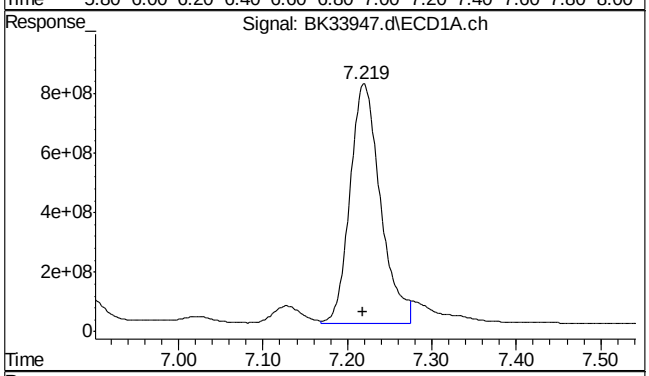
#9 AR1260-C

R.T.: 6.248 min
Delta R.T.: 0.001 min
Response: 26878160895
Conc: 769.18 ppb m



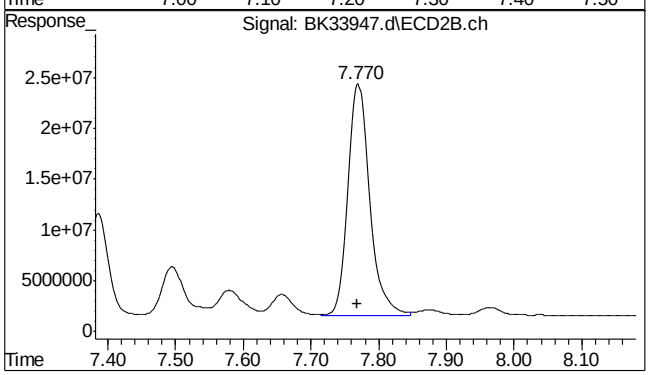
#9 AR1260-C

R.T.: 6.806 min
Delta R.T.: -0.131 min
Response: 637216791
Conc: 721.15 ppb m



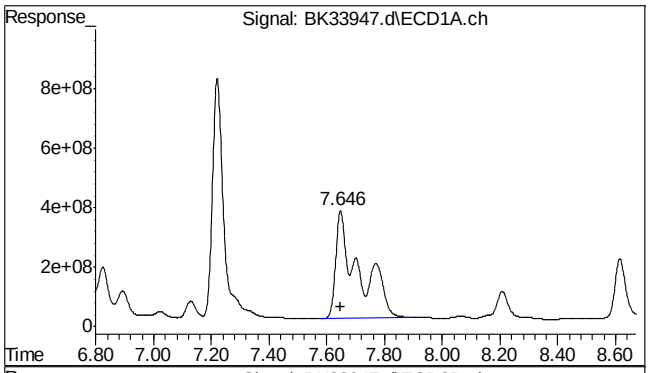
#10 AR1260-D

R.T.: 7.219 min
Delta R.T.: 0.000 min
Response: 19993860190
Conc: 798.42 ppb m



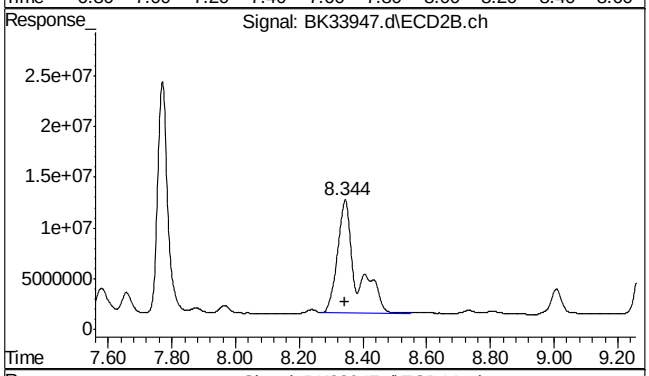
#10 AR1260-D

R.T.: 7.770 min
Delta R.T.: 0.002 min
Response: 491726281
Conc: 759.18 ppb



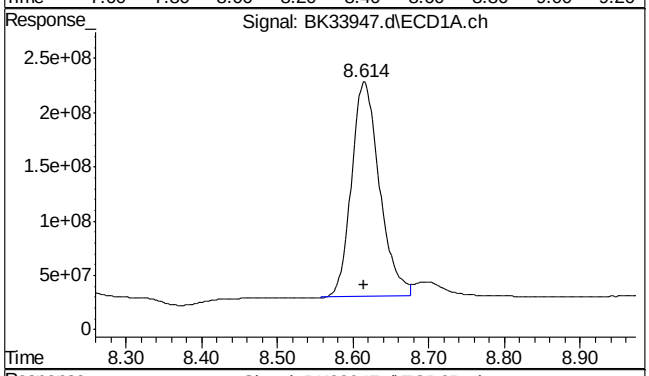
#11 AR1260-E

R.T.: 7.646 min
Delta R.T.: 0.000 min
Response: 20105991373
Conc: 760.26 ppb m



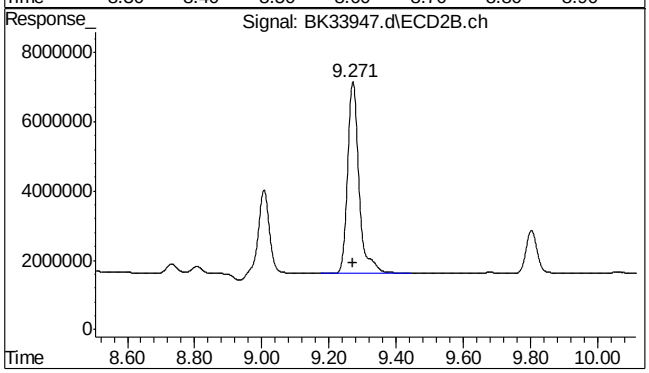
#11 AR1260-E

R.T.: 8.344 min
Delta R.T.: 0.000 min
Response: 463535176
Conc: 725.78 ppb m



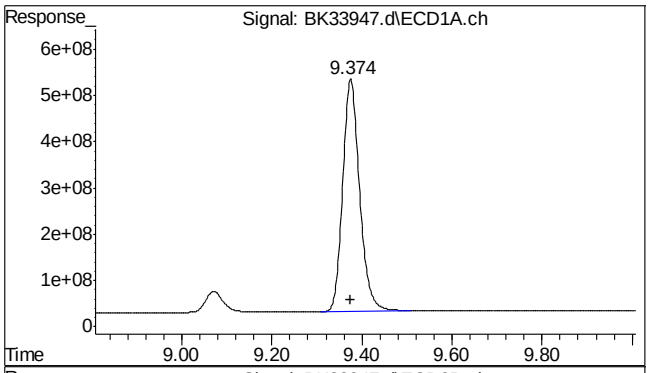
#12 AR1260-F

R.T.: 8.614 min
Delta R.T.: 0.000 min
Response: 5085308415
Conc: 761.68 m



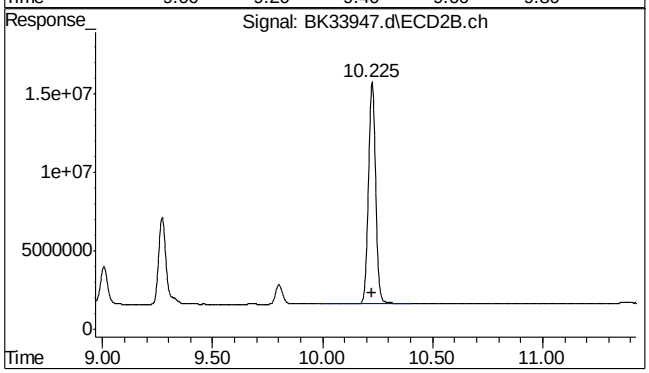
#12 AR1260-F

R.T.: 9.272 min
Delta R.T.: 0.001 min
Response: 130637807
Conc: 728.84



#13 DCB

R.T.: 9.374 min
Delta R.T.: 0.000 min
Response: 13147841181
Conc: 56.63 ppb m



#13 DCB

R.T.: 10.225 min
Delta R.T.: 0.002 min
Response: 319629093
Conc: 54.25 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
01/16/14 10:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\BK140115\
Data File : BK33957.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jan 2014 1:50 pm
Operator : nickk
Sample : cc1113-750,a16/60
Misc : op36519,gbk1114,1000,,,5,,w
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 14:09:38 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Wed Jan 15 08:45:58 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) s	TCMX	2.430	2.492	11881.4E6	297.6E6	58.979m	46.310m
	Spiked Amount 40.000			Recovery	= 147.45%	115.78%	
13) s	DCB	9.370	10.225	11121.6E6	244.2E6	47.903m	41.443
	Spiked Amount 40.000			Recovery	= 119.76%	103.61%	
	Target Compounds						
2)	AR1016-A	2.719	2.898	3534.3E6	68537143	755.444m	565.171m#
3)	AR1016-B	3.031	3.267	5811.6E6	137.8E6	731.788m	577.626
4)	AR1016-C	3.462	3.715	13030.7E6	271.2E6	771.749m	598.642
5)	AR1016-D	3.596	3.858	8175.3E6	110.8E6	752.435m	598.822
6)	AR1016-E	4.021	3.969	4920.9E6	83123092	716.118m	608.162
7)	AR1260-A	5.484	5.993	8146.1E6	177.4E6	736.787	588.908
8)	AR1260-B	5.856	6.285	14472.3E6	213.7E6	711.641m	610.388
9)	AR1260-C	6.243	6.807f	25011.7E6	534.4E6	715.766m	604.818m
10)	AR1260-D	7.215	7.770	18629.1E6	406.0E6	743.922m	626.758
11)	AR1260-E	7.642	8.345	17823.0E6	377.8E6	673.933m	591.607m
12)	AR1260-F	8.609	9.271	4415.9E6	103.5E6	661.418m	577.593

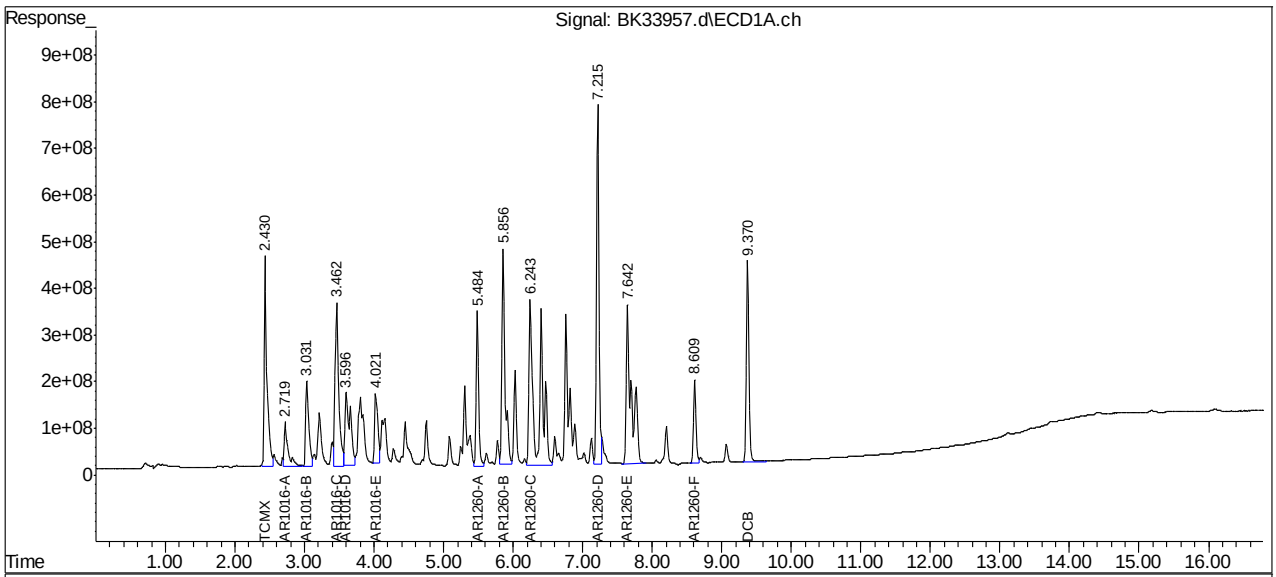
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

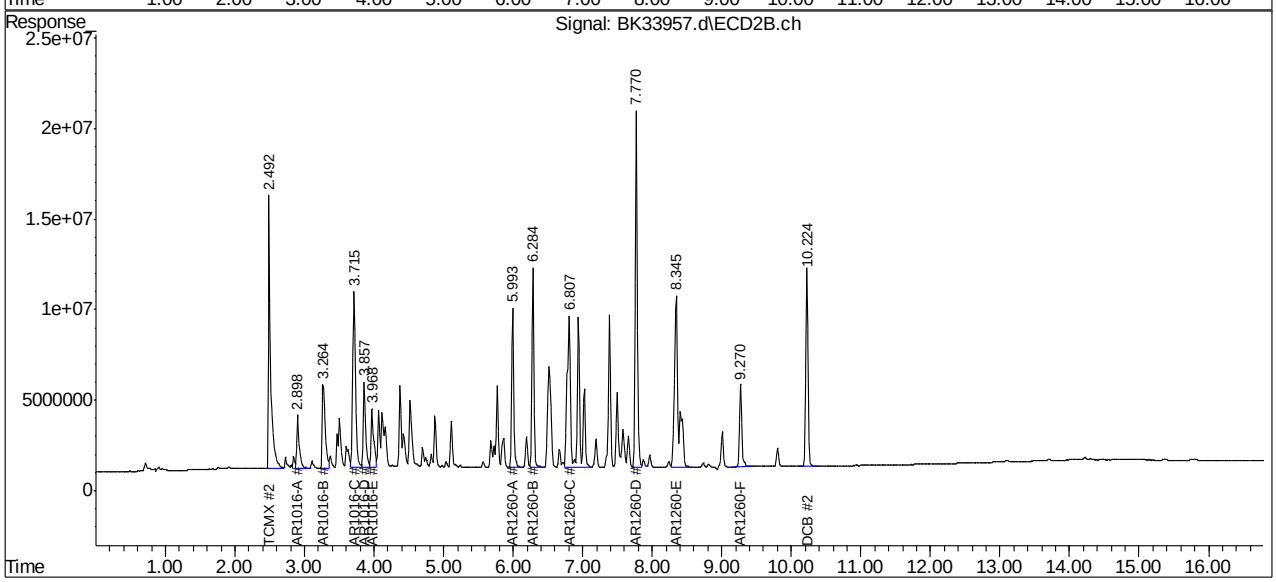
Quantitation Report (QT Reviewed)

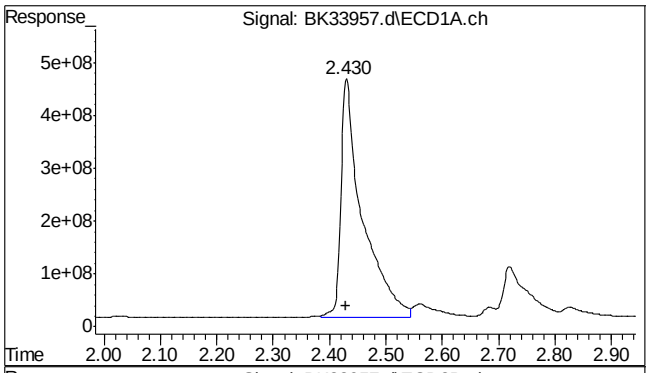
Data Path : C:\msdchem\1\DATA\BK140115\
Data File : BK33957.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jan 2014 1:50 pm
Operator : nickk
Sample : cc1113-750,a16/60
Misc : op36519,gbk1114,1000,,,5,,w
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 15 14:09:38 2014
Quant Method : C:\msdchem\1\METHODS\PC140114.M
Quant Title : PCB,rtx-clpest front,rtx-clpest2-rear
QLast Update : Wed Jan 15 08:45:58 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

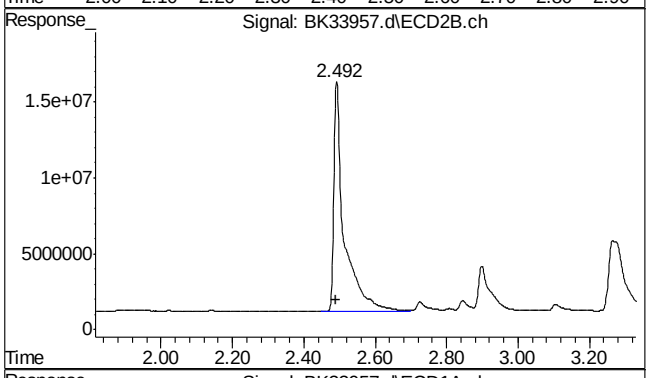






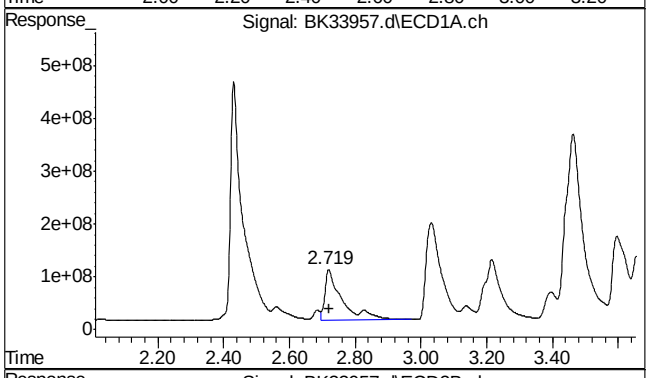
#1 TCMX

R.T.: 2.430 min
Delta R.T.: 0.000 min
Response: 11881443876
Conc: 58.98 ppb m



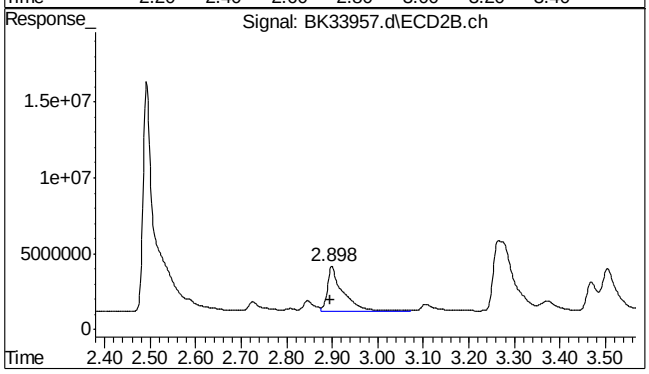
#1 TCMX

R.T.: 2.492 min
Delta R.T.: 0.003 min
Response: 297592288
Conc: 46.31 ppb m



#2 AR1016-A

R.T.: 2.719 min
Delta R.T.: 0.000 min
Response: 3534279016
Conc: 755.44 ppb m

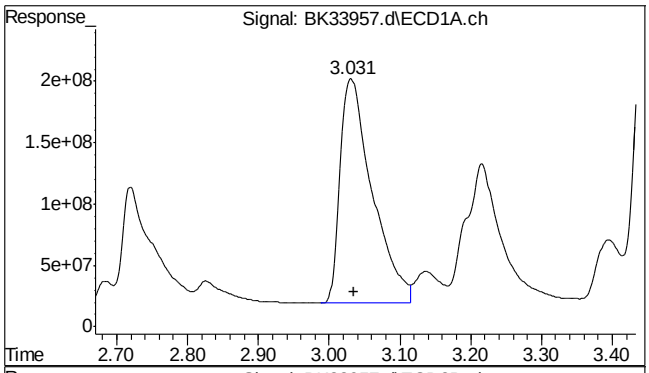


#2 AR1016-A

R.T.: 2.898 min
Delta R.T.: 0.001 min
Response: 68537143
Conc: 565.17 ppb m

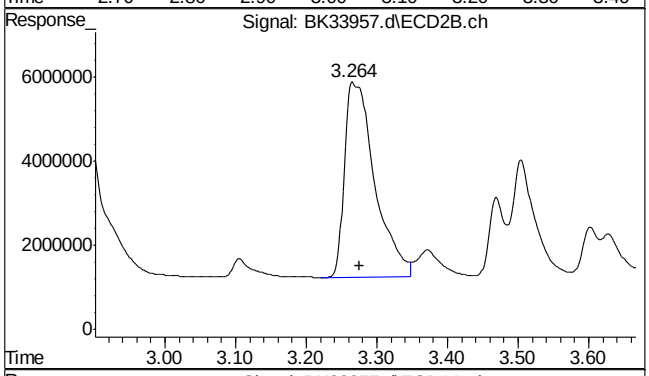
9.5.13

9



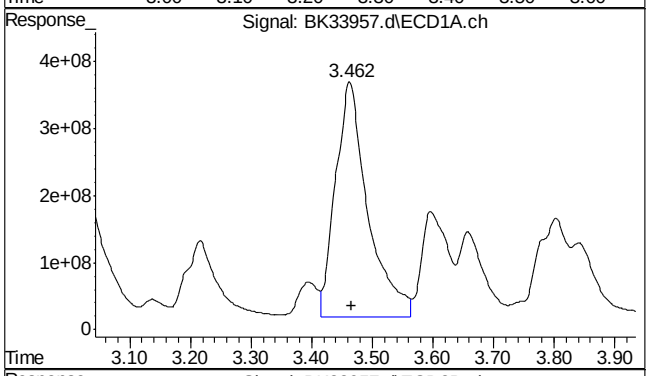
#3 AR1016-B

R.T.: 3.031 min
Delta R.T.: -0.005 min
Response: 5811578302
Conc: 731.79 ppb m



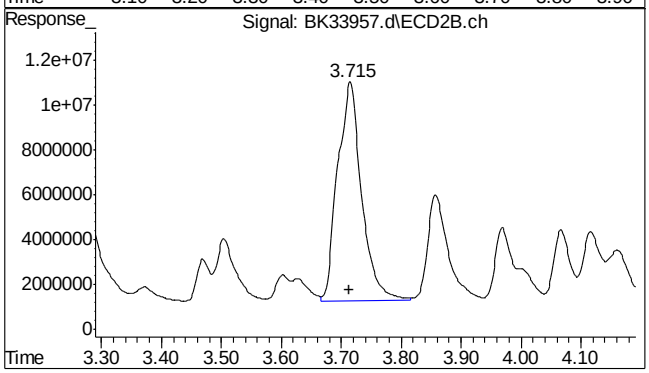
#3 AR1016-B

R.T.: 3.267 min
Delta R.T.: -0.009 min
Response: 137781312
Conc: 577.63 ppb



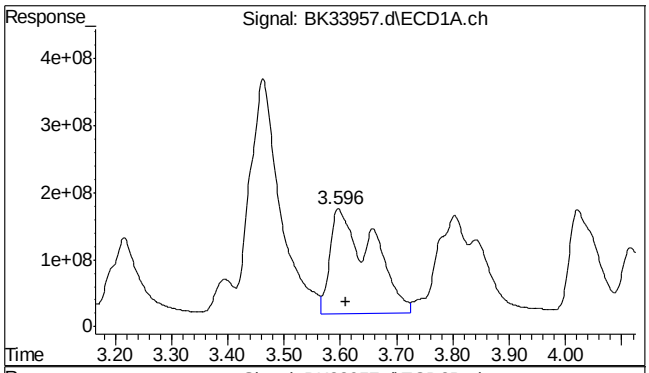
#4 AR1016-C

R.T.: 3.462 min
Delta R.T.: -0.003 min
Response: 13030679909
Conc: 771.75 ppb m



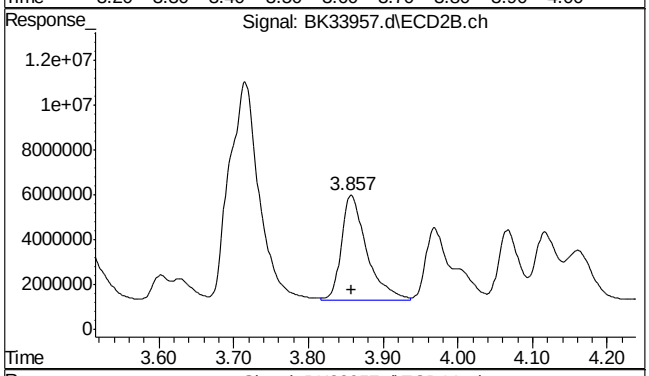
#4 AR1016-C

R.T.: 3.715 min
Delta R.T.: 0.002 min
Response: 271189210
Conc: 598.64 ppb



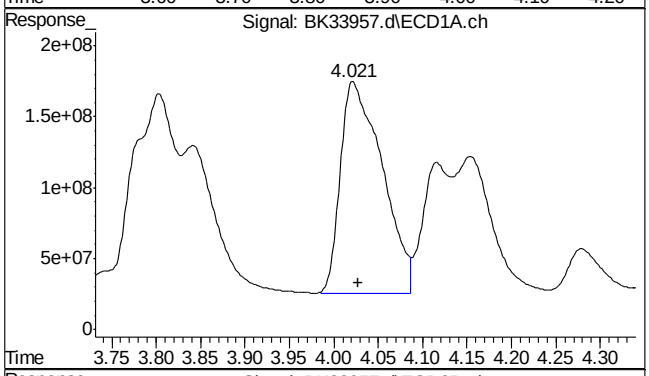
#5 AR1016-D

R.T.: 3.596 min
Delta R.T.: -0.014 min
Response: 8175280935
Conc: 752.43 m



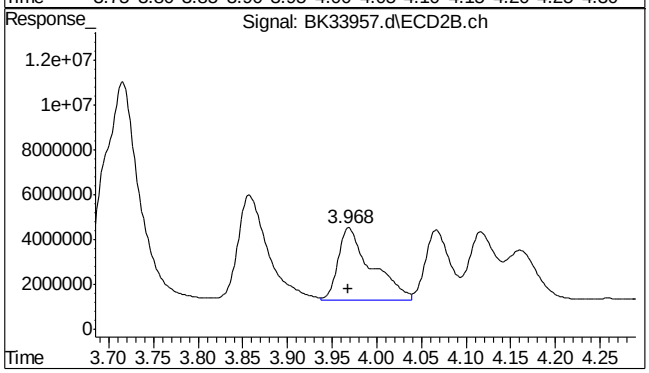
#5 AR1016-D

R.T.: 3.858 min
Delta R.T.: 0.000 min
Response: 110826058
Conc: 598.82



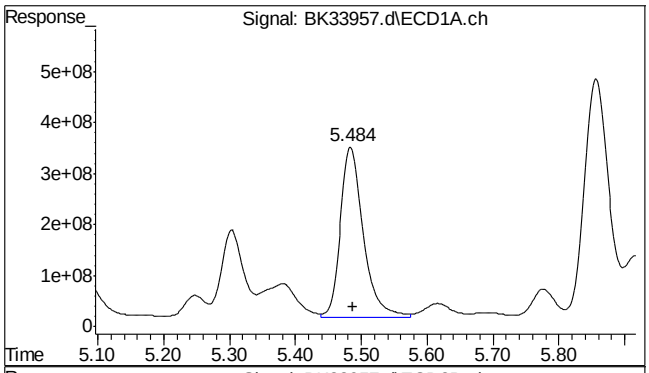
#6 AR1016-E

R.T.: 4.021 min
Delta R.T.: -0.007 min
Response: 4920931584
Conc: 716.12 m



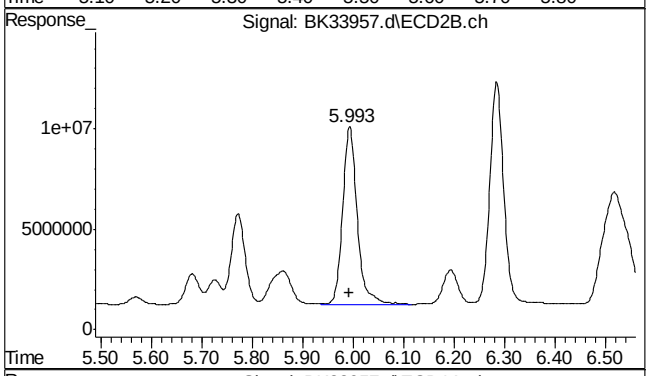
#6 AR1016-E

R.T.: 3.969 min
Delta R.T.: 0.000 min
Response: 83123092
Conc: 608.16



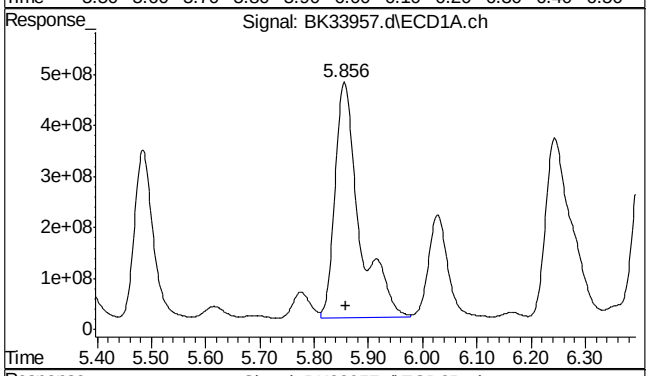
#7 AR1260-A

R.T.: 5.484 min
Delta R.T.: -0.003 min
Response: 8146127391
Conc: 736.79 ppb



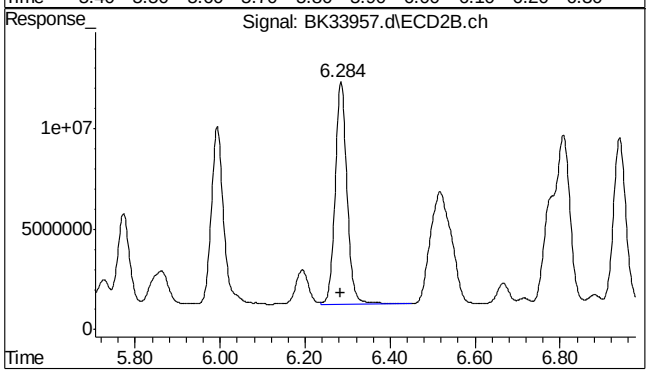
#7 AR1260-A

R.T.: 5.993 min
Delta R.T.: 0.002 min
Response: 177422879
Conc: 588.91 ppb



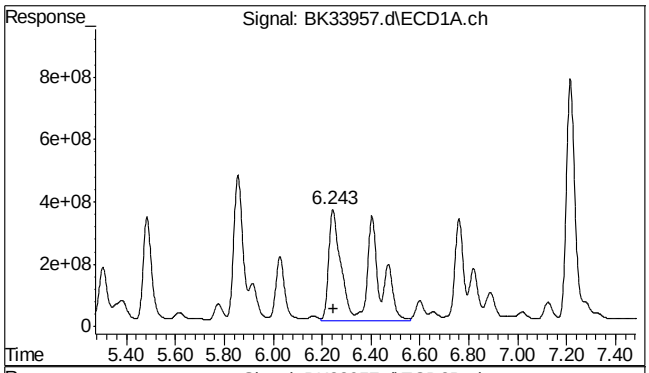
#8 AR1260-B

R.T.: 5.856 min
Delta R.T.: -0.003 min
Response: 14472282010
Conc: 711.64 ppb m



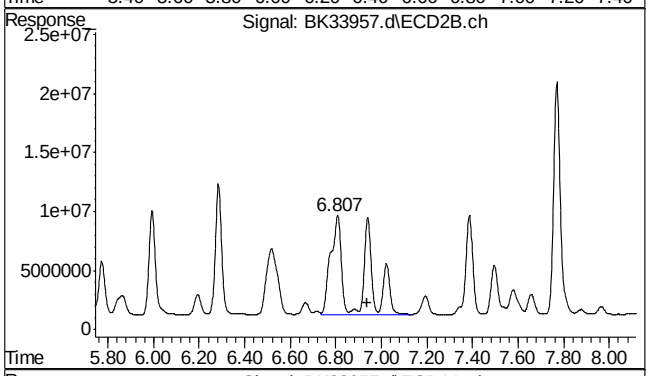
#8 AR1260-B

R.T.: 6.285 min
Delta R.T.: 0.002 min
Response: 213718984
Conc: 610.39 ppb



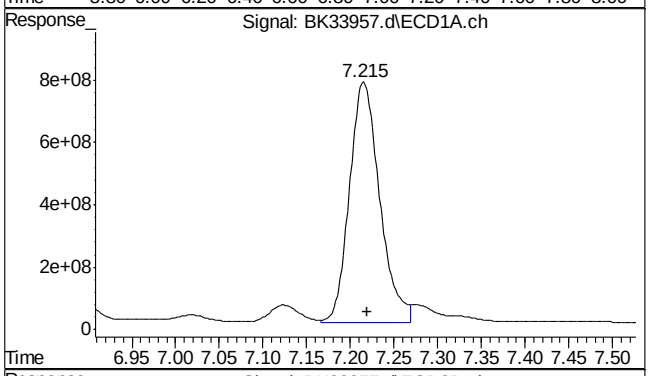
#9 AR1260-C

R.T.: 6.243 min
Delta R.T.: -0.003 min
Response: 25011657409
Conc: 715.77 ppb m



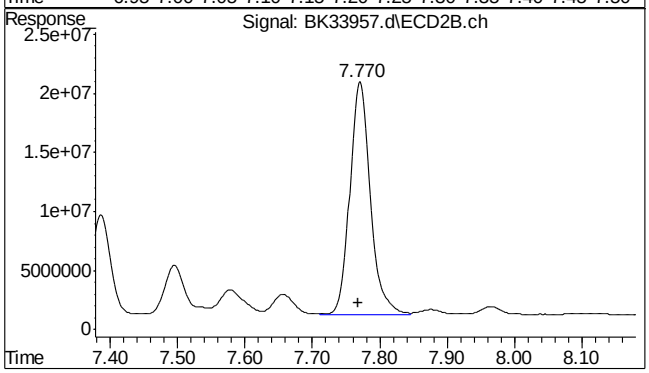
#9 AR1260-C

R.T.: 6.807 min
Delta R.T.: -0.130 min
Response: 534423059
Conc: 604.82 ppb m



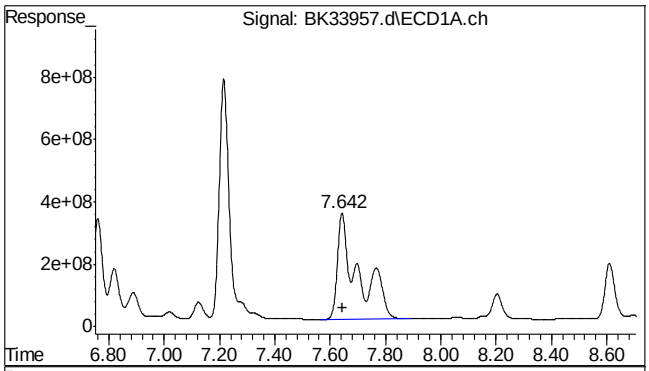
#10 AR1260-D

R.T.: 7.215 min
Delta R.T.: -0.004 min
Response: 18629125481
Conc: 743.92 ppb m



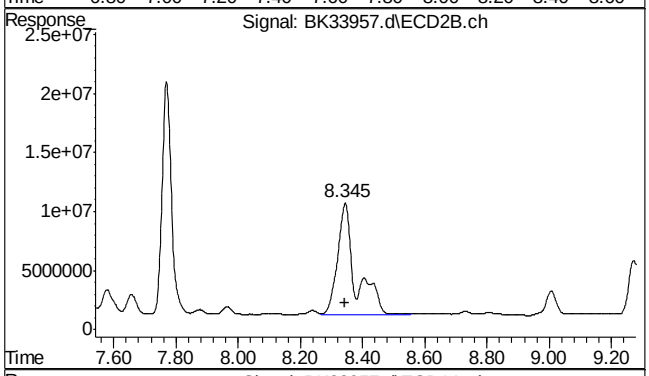
#10 AR1260-D

R.T.: 7.770 min
Delta R.T.: 0.002 min
Response: 405954162
Conc: 626.76 ppb



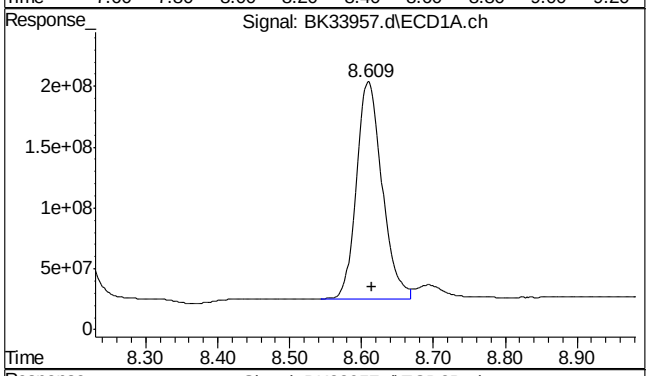
#11 AR1260-E

R.T.: 7.642 min
Delta R.T.: -0.003 min
Response: 17823012758
Conc: 673.93 ppb m



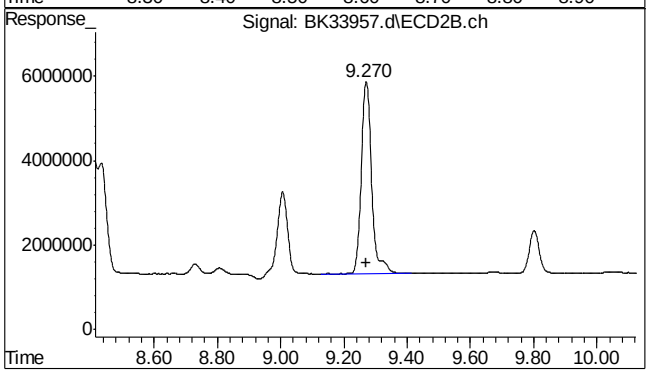
#11 AR1260-E

R.T.: 8.345 min
Delta R.T.: 0.002 min
Response: 377842683
Conc: 591.61 ppb m



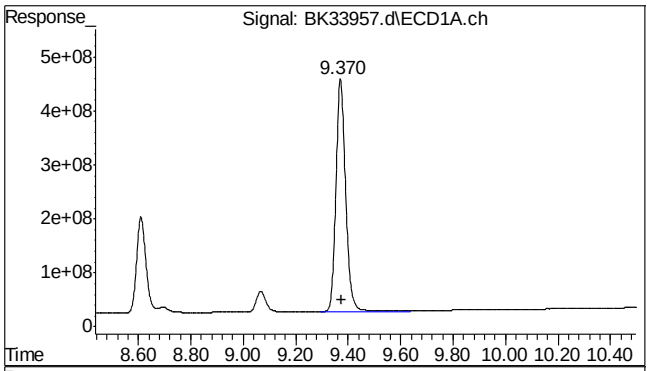
#12 AR1260-F

R.T.: 8.609 min
Delta R.T.: -0.005 min
Response: 4415922628
Conc: 661.42 m



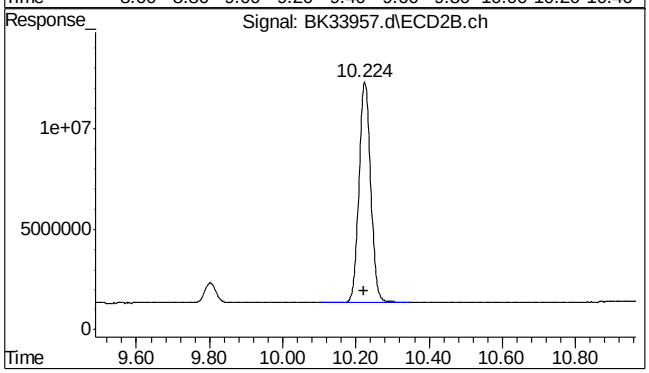
#12 AR1260-F

R.T.: 9.271 min
Delta R.T.: 0.001 min
Response: 103527766
Conc: 577.59



#13 DCB

R.T.: 9.370 min
Delta R.T.: -0.005 min
Response: 11121553000
Conc: 47.90 ppb m



#13 DCB

R.T.: 10.225 min
Delta R.T.: 0.002 min
Response: 244175541
Conc: 41.44 ppb

* NO GBC 3561 *

Accutest Laboratories of New England, Inc.

Instrument: GC 24 (BC)

GC Analysis Log - Extractables

Run Date: 1/11/14

Analyst Signature: ZB

Standard Data

Lot #	Description	Conc
GS17332	EPHNT Aliphatic ICAL	50 ng/mL

Column Information: Front : RTX-5 Alternate:

Rear : RTX-5 Alternate:

Sequence File: 140111.S

Quantitation Methods: FGE 140111.M

Instrument Run Batches: GBC 3562 BNX310TPH Front

ic gbc 3453

Data Acquisition Methods: ~~IPH~~ ZB1/13 Inj. Vol: 1uL

Fingolwal Inj. Vol:

Date of ICAL: 09-13-13 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
71	bc659559	AI: NJ rt	N/A	310TPH	N/A	N/A	
72	61	op36494-mb	op36494	↓	S	↓	
73	63	mc27551-1	↓	↓	↓	↓	
74	65	↓ -1	↓	↓	↓	1:10	

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: _____ Lot#: _____

GC011-01
Date: 02/26/07

Review: _____

12

9.6.1

9

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 1-14-14 Analyst Signature: NK

Standard Data

Lot #	Description	Conc
617182	A16/60	750 ug/L

Column Information: Front : Pest RTX-5 Alternate:
Rear : Pest2 RTX-5 Alternate:
Sequence File: 14014
Quantitation Methods: PC14014
Instrument Run Batches: GBK1113
Data Acquisition Methods: GC31PER Inj. Vol: 1 µL
Inj. Vol:

Date of ICAL: 1-14-14 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
101	BK33920	MC18020-18	NA	P8082	NA	NA	Hex lot chk
51	21	ICV1113-1000					A16/60 617180
52	22	-750					181
53	23	-500					182
54	24	-250					183
55	25	-100					184
56	26	-50					185
57	27	-500					A21/54 247
58	28	-500					A32/62 248
59	29	-500					A42/68 249
60	30	-500					A48 250
61	31	ICV1113-500					A16/60 186 ICV OK
1	32	OP36497-MB	OP36497		W		
2	33	-BS					
3	34	MC27597-2F					surrg recovery manually calculated
4	35	-3F					
5	36	MC27598-1					
6	37	MC27597-2F				1:10	cfs only do not report
7	38	MC27598-1					
8	39	OP36504-MB	OP36504		S	NA	
9	40	-BS					
53	41	CCV1113-500					A16/60 OK
11	42	OP36504-MS					
12	43	-MSD					
13	44	MC27604-1					
14	45	MC27550-1					
53	46	CCV1113-500					A16/60 OK

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: ~~Fisher~~ HPLC Lot#: 13C312

GC014-01
Date: 9/15/10

Review:

ACCUTEST LABORATORIES MC27551

Accutest Laboratories of New England, Inc. Instrument: GC 31 (BK)

GC Analysis Log - Extractables

Run Date: 1.15.14 Analyst Signature: NK

Standard Data

Lot #	Description	Conc
GS17181	A16/60	750 ng/L

Column Information: Front : Pest RTX-5 Alternate:
Rear : Pest2 RTX-5 Alternate:
Sequence File: 14D115
Quantitation Methods: PC140114
Instrument Run Batches: GBK1114
Data Acquisition Methods: GC31PCB Inj. Vol: 1 ul
Inj. Vol:

Date of ICAL: 1.14.14 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
100	BK33947	CC1113-750	OP36491	P8082	O	NA	A16/60 OK
1	48	OP36491-MB					
2	49	-BS					
3	50	-MS					
4	51	-MSD					
5	52	MC27551-1					
6	53	OP36528-MB	OP36528		WPE		
7	54	-BS					
8	55	MC27629-3					
9	56	-4					
100	57	CC1113-750					A16/60 OK(sig 1)
11	58	OP36452-MB	OP36452	P6008	O		
12	59	-					16/60 MDL-1
13	60	-					-2
14	61	-					-3
15	62	-					21/24 MDL-1
16	63	-					-2
17	64	-					-3
18	65	-					32/62 MDL-1
19	66	-					-2
20	67	-					-3
100	68	CC1113-750					A16/60 OK(sig 1)
21	69	-					42/68 MDL-1
22	70	-					-2
23	71	-					-3
24	72	-					48 MDL-1
25	73	-					-2

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: Lot#:

26	BK33974	-	OP36452	P6008	O	NA	48 MDL-3
100	75	CC1113-750					A16/60 OK(sig 1)

GC014-01
Date: 9/15/10

Review:

ACCUTEST LABORATORIES MC27551

ACCUTEST LABORATORIES

Approximate Gram weight equals +/- 0.5g

Extracted by: NL
Date/Time: 1/10/14 21:30
Spike Witness: n/a
Date/Time:
Concentrated by:
Batch: OP36491
Fractionated by:
Matrix: **Soil/Solid**; Sand Lot:
Extraction Method: ASE #1 ASE #2 ASE #3 ASE # 4 Sonicate
Analysis Method: 8082PCB
Soxhlet: SW 3540C SW 3545A SW 3545A SW3545A SW3545A SW3550B Waste Dilution: SW3580 Micro. SW 3546

	Sample	Bottle No.	ASE Position	Initial Weight (g)	Final Volume (ml)	**Cleanup/Comments (3660B, 3630, 3665, other)	Received by: Date:
1	OP36491MB	n/a	n/a	1.0249	10ml		1/15/14 GAP
2	↓ BS	↓	↓	1.1386	↓		↓
3	mi27551-1ms	1	↓	1.0293	↓		
4	↓ -1msd	↓	↓	1.0164	↓		
5	↓ -1	↓	↓	1.0295	↓		↓
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

Fraction	Bottle #	Lot #	Concentration	Volume
Surrogate: PCB	#5	PO 7040	4.0 ug/ml	100ul
Surrogate:				
Spike: PCB	#3	PO 7028	40.0 ug/ml	100ul
Spike:				
Spike:				
Spike:				
Spike:				
Hexane Frac. Volume:	NA	NA	NA	

Soxhlet Start/Stop Date/Time:

H2SO4 Lot #	52429
Ether:	
MeCl2:	
Hexane:	136312
MeCl2/Acetone:	
Acetone:	
Acetonitrile:	
Na Sulfate Lot #:	
Silica Lot #:	
SPE MFG/Lot #:	
Copper:	ALDRICH 14407 LE
Hydromatrix:	
Florisil:	
Sand Lot #:	

Balance ID: ALL-10
Filter Paper Lot #: Filtered By:
Water Bath Temp: Water Bath ID:
*Note volume of extract: N = Normal L = Low
Laboratory Percent Humidity:
Reviewed by: Tray #: E-0210

** Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup; 3620 = Florisil
**For Soxhlet extraction document date/time started and finished

ACCUTEST LABORATORIES

Approximate Gram weight equals +/- 0.5g

Extracted by: AW / ne
Date/Time: 1/10/14
Spike Witness:
Date/Time:
Concentrated by:
Batch: OP36494
Fractionated by:
Matrix: **Soil/Solid**; Sand Lot:
Extraction Method: ASE #1 ASE #2 ASE #3 ASE # 4 Sonicate
Analysis Method: BN 8310 TPH Fingerprint
Soxhlet: SW 3540C SW 3545A SW 3545A SW3545A SW3545A SW3550B
Waste Dilution: SW3580 Micro. SW 3546

	Sample	Bottle No.	ASE Position	Initial Weight (g)	Final Volume (ml)	**Cleanup/Comments (3660B, 3630, 3665, other)	Received by: Date:
AW 1/10	1 OP36494 MB	N/A	N/A	1.0387	10.0 mL		1/11/14
	2 ~~(LCS)~~		↓		↓		↓
	3 MC27551-1	1	↓	0.5873	↓	* limited volume	
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	11						
	12						
	13						
	14						
	15						
	16						
	17						
	18						
	19						
	20						
	21						
	22						
	23						
	24						
	25						

Fraction	Bottle #	Lot #	Concentration	Volume
Surrogate:				
Surrogate:				
Spike:				
Spike:				
Spike:				
Spike:				
Spike:				
Hexane Frac. Volume:	NA	NA	NA	
Soxhlet Start/Stop Date/Time:				

H2SO4 Lot #	
Ether:	
MeCl2:	
Hexane:	130312
MeCl2/Acetone:	
Acetone:	
Acetonitrile:	
Na Sulfate Lot #:	
Silica Lot #:	
SPE MFG/Lot #:	
Copper:	
Hydromatrix:	
Florisil:	
Sand Lot #:	

Filter Paper Lot #: Filtered By:

Balance ID: ACC-10

Water Bath Temp: Water Bath ID:

*Note volume of extract: N = Normal L = Low

Laboratory Percent Humidity:

Reviewed by:

Tray #: E-0016

** Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup; 3620 = Florisil

**For Soxhlet extraction document date/time started and finished

New England ACCUTEST LABORATORIES

01/27/14

Technical Report for

WSP Environmental & Energy

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY 4255-05

Accutest Job Number: MC27769

Sampling Dates: 01/15/14 - 01/16/14

Report to:

WSP Environmental & Energy
11190 Sunrise Valley Dr
Reston, VA 20191
erik.reinert@wspgroup.com; lisa.bryda@wspgroup.com

ATTN: Erik Reinert

Total number of pages in report: **445**

NELAP ACCREDITED TNI LABORATORY

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Sample Summary

WSP Environmental & Energy

Job No: MC27769

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC27769-1	01/15/14	12:07	RJW	01/18/14	AQ	Ground Water	LBA-MW-44-W
MC27769-2	01/15/14	13:03	RJW	01/18/14	AQ	Ground Water	LBA-MW-43-N
MC27769-3	01/15/14	17:20	RJW	01/18/14	AQ	Ground Water	LBA-MW-43-S
MC27769-4	01/15/14	17:45	RJW	01/18/14	AQ	Ground Water	LBA-MW-39
MC27769-5	01/16/14	08:21	RJW	01/18/14	AQ	Ground Water	LBA-MW-44-E
MC27769-6	01/16/14	08:50	RJW	01/18/14	AQ	Ground Water	LBA-MW-36
MC27769-7	01/16/14	11:02	RJW	01/18/14	AQ	Ground Water	LBA-MW-35
MC27769-8	01/16/14	13:40	RJW	01/18/14	AQ	Ground Water	LBA-MW-42-N
MC27769-9	01/16/14	15:42	RJW	01/18/14	AQ	Ground Water	LBA-MW-42-S
MC27769-10	01/16/14	16:05	RJW	01/18/14	AQ	Ground Water	LBA-MW-41
MC27769-11	01/16/14	16:42	RJW	01/18/14	AQ	Ground Water	LBA-MW-40-N
MC27769-12	01/16/14	18:31	RJW	01/18/14	AQ	Ground Water	LBA-MW-40-S
MC27769-13	01/16/14	00:00	RJW	01/18/14	AQ	Trip Blank Water	TRIP BLANKS

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environmental & Energy **Job No** MC27769

Site: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, **Report Date** 1/27/2014 10:14:38 AM

12 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on between 01/15/2014 and 01/16/2014 and were received at Accutest on 01/18/2014 properly preserved, at 0.3 Deg. C and intact. These Samples received an Accutest job number of MC27769. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix: AQ **Batch ID:** MSU825

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27696-5MS, MC27696-5MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Acetone are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP22403

- All samples were digested and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27769-2MS, MC27769-2MSD, MC27769-2PS, MC27769-2SDL were used as the QC samples for metals.
- MS/MSD Recovery(s) for Selenium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.Post spike within acceptable range.

Matrix: AQ **Batch ID:** MP22410

- All samples were digested and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27747-7MS, MC27747-7MSD, MC27747-7SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Selenium are outside control limits for sample MP22410-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** MP22400

- All samples were digested and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27769-1MS, MC27769-1MSD were used as the QC samples for metals.

Wet Chemistry By Method SW846 9012

Matrix: AQ **Batch ID:** GP17155

- All samples were distilled and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC27769-7DUP, MC27769-7MS were used as the QC samples for Cyanide.
- Matrix Spike Recovery(s) for Cyanide are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC27769).

Summary of Hits

Job Number: MC27769
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 01/15/14 thru 01/16/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC27769-1	**LBA-MW-44-W**					
Carbon disulfide		1.3 J	5.0	0.59	ug/l	SW846 8260C
1,1-Dichloroethane		0.66 J	1.0	0.37	ug/l	SW846 8260C
Barium		2280	50	0.81	ug/l	SW846 6010C
Cyanide		0.82	0.050	0.012	mg/l	SW846 9012
MC27769-2	**LBA-MW-43-N**					
Carbon disulfide		1.4 J	5.0	0.59	ug/l	SW846 8260C
Barium		699	50	0.81	ug/l	SW846 6010C
Cyanide		2.6	0.10	0.023	mg/l	SW846 9012
MC27769-3	**LBA-MW-43-S**					
Carbon disulfide		1.7 J	5.0	0.59	ug/l	SW846 8260C
Chloroform		2.2	1.0	0.50	ug/l	SW846 8260C
Barium		6230	50	0.81	ug/l	SW846 6010C
Chromium		1.8 B	10	1.4	ug/l	SW846 6010C
Cyanide		0.38	0.010	0.0023	mg/l	SW846 9012
MC27769-4	**LBA-MW-39**					
Chloroethane		12.6	2.0	0.84	ug/l	SW846 8260C
1,1-Dichloroethane		87.1	1.0	0.37	ug/l	SW846 8260C
1,1-Dichloroethene		10	1.0	0.67	ug/l	SW846 8260C
cis-1,2-Dichloroethene		3.9	1.0	0.54	ug/l	SW846 8260C
1,1,1-Trichloroethane		90.4	1.0	0.94	ug/l	SW846 8260C
Trichloroethene		1.3	1.0	0.45	ug/l	SW846 8260C
Arsenic		3.4 B	4.0	2.9	ug/l	SW846 6010C
Barium		936	50	0.81	ug/l	SW846 6010C
Cyanide		0.18	0.010	0.0023	mg/l	SW846 9012
MC27769-5	**LBA-MW-44-E**					
Chloroform		2.0	1.0	0.50	ug/l	SW846 8260C
Cyanide		0.69	0.050	0.012	mg/l	SW846 9012
MC27769-6	**LBA-MW-36**					
Methylcyclohexane		1.3 J	5.0	0.87	ug/l	SW846 8260C
1,2,4-Trimethylbenzene		0.63 J	5.0	0.47	ug/l	SW846 8260C
m,p-Xylene		1.4	1.0	0.70	ug/l	SW846 8260C
o-Xylene		0.48 J	1.0	0.41	ug/l	SW846 8260C
Xylene (total)		1.9	1.0	0.41	ug/l	SW846 8260C

Summary of Hits

Job Number: MC27769
Account: WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Collected: 01/15/14 thru 01/16/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Barium		689	50	0.81	ug/l	SW846 6010C
Chromium		21.7	10	1.4	ug/l	SW846 6010C
Cyanide		12.2	0.50	0.12	mg/l	SW846 9012
MC27769-7	**LBA-MW-35**					
Barium		4730	50	0.81	ug/l	SW846 6010C
Cyanide		0.60	0.050	0.012	mg/l	SW846 9012
MC27769-8	**LBA-MW-42-N**					
Chloroform		3.4	1.0	0.50	ug/l	SW846 8260C
Arsenic		3.1 B	4.0	2.9	ug/l	SW846 6010C
Barium		687	50	0.81	ug/l	SW846 6010C
MC27769-9	**LBA-MW-42-S**					
Chloroform		2.7	1.0	0.50	ug/l	SW846 8260C
Barium		2700	50	0.81	ug/l	SW846 6010C
MC27769-10	**LBA-MW-41**					
Chloroform		1.5	1.0	0.50	ug/l	SW846 8260C
cis-1,2-Dichloroethene		43.9	1.0	0.54	ug/l	SW846 8260C
Trichloroethene		3.8	1.0	0.45	ug/l	SW846 8260C
Vinyl chloride		7.5	1.0	0.61	ug/l	SW846 8260C
Arsenic		5.9	4.0	2.9	ug/l	SW846 6010C
Barium		1300	50	0.81	ug/l	SW846 6010C
MC27769-11	**LBA-MW-40-N**					
Chloroform		0.98 J	1.0	0.50	ug/l	SW846 8260C
Arsenic		4.7	4.0	2.9	ug/l	SW846 6010C
Barium		746	50	0.81	ug/l	SW846 6010C
Chromium		7.0 B	10	1.4	ug/l	SW846 6010C
MC27769-12	**LBA-MW-40-S**					
Carbon disulfide		0.75 J	5.0	0.59	ug/l	SW846 8260C
Barium		136	50	0.81	ug/l	SW846 6010C
Chromium		15.3	10	1.4	ug/l	SW846 6010C
MC27769-13	**TRIP BLANKS**					

No hits reported in this sample.

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	LBA-MW-44-W		
Lab Sample ID:	MC27769-1	**Date Sampled:**	01/15/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U17452.D	1	01/21/14	GK	n/a	n/a	MSU825
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	1.3	5.0	0.59	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	0.66	1.0	0.37	ug/l	J
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-44-W		
Lab Sample ID:	MC27769-1	**Date Sampled:**	01/15/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-MW-44-W
Lab Sample ID: MC27769-1
Matrix: AQ - Ground Water
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 01/15/14
Date Received: 01/18/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9 U	4.0	2.9	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Barium	2280	50	0.81	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Chromium	1.4 U	10	1.4	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Mercury	0.067 U	0.20	0.067	ug/l	1	01/21/14	01/21/14	SA	SW846 7470A [1]	SW846 7470A [3]
Selenium	4.8 U	10	4.8	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Silver	1.0 U	5.0	1.0	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA16671
(2) Instrument QC Batch: MA16678
(3) Prep QC Batch: MP22400
(4) Prep QC Batch: MP22403

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	LBA-MW-44-W		
Lab Sample ID:	MC27769-1	**Date Sampled:**	01/15/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
		Percent Solids:	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.82	0.050	0.012	mg/l	5	01/22/14 12:33	MA	SW846 9012

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	LBA-MW-43-N		
Lab Sample ID:	MC27769-2	**Date Sampled:**	01/15/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U17453.D	1	01/21/14	GK	n/a	n/a	MSU825
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	1.4	5.0	0.59	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-43-N		
Lab Sample ID:	MC27769-2	**Date Sampled:**	01/15/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	108%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-MW-43-N
Lab Sample ID: MC27769-2
Matrix: AQ - Ground Water
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 01/15/14
Date Received: 01/18/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9 U	4.0	2.9	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Barium	699	50	0.81	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Chromium	1.4 U	10	1.4	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Mercury	0.067 U	0.20	0.067	ug/l	1	01/21/14	01/21/14	SA	SW846 7470A [1]	SW846 7470A [3]
Selenium	4.8 U	10	4.8	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Silver	1.0 U	5.0	1.0	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA16671
(2) Instrument QC Batch: MA16678
(3) Prep QC Batch: MP22400
(4) Prep QC Batch: MP22403

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: LBA-MW-43-N
Lab Sample ID: MC27769-2
Matrix: AQ - Ground Water
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 01/15/14
Date Received: 01/18/14
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	2.6	0.10	0.023	mg/l	10	01/22/14 12:34	MA	SW846 9012

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	LBA-MW-43-S		
Lab Sample ID:	MC27769-3	**Date Sampled:**	01/15/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U17454.D	1	01/21/14	GK	n/a	n/a	MSU825
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	1.7	5.0	0.59	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	2.2	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-43-S		
Lab Sample ID:	MC27769-3	**Date Sampled:**	01/15/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	107%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-MW-43-S
Lab Sample ID: MC27769-3
Matrix: AQ - Ground Water
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 01/15/14
Date Received: 01/18/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9 U	4.0	2.9	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Barium	6230	50	0.81	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Chromium	1.8 B	10	1.4	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Mercury	0.067 U	0.20	0.067	ug/l	1	01/21/14	01/21/14	SA	SW846 7470A [1]	SW846 7470A [3]
Selenium	4.8 U	10	4.8	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Silver	1.0 U	5.0	1.0	ug/l	1	01/21/14	01/21/14	EAL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA16671
(2) Instrument QC Batch: MA16678
(3) Prep QC Batch: MP22400
(4) Prep QC Batch: MP22403

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: LBA-MW-43-S
Lab Sample ID: MC27769-3
Matrix: AQ - Ground Water
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 01/15/14
Date Received: 01/18/14
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.38	0.010	0.0023	mg/l	1	01/22/14 12:25	MA	SW846 9012

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	LBA-MW-39		
Lab Sample ID:	MC27769-4	**Date Sampled:**	01/15/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U17459.D	1	01/21/14	GK	n/a	n/a	MSU825
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	12.6	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	87.1	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	10	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	3.9	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-39		
Lab Sample ID:	MC27769-4	**Date Sampled:**	01/15/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	90.4	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	1.3	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	106%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-MW-39
Lab Sample ID: MC27769-4
Matrix: AQ - Ground Water
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 01/15/14
Date Received: 01/18/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.4 B	4.0	2.9	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Barium	936	50	0.81	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Chromium	1.4 U	10	1.4	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Mercury	0.067 U	0.20	0.067	ug/l	1	01/21/14	01/21/14	SA	SW846 7470A [1]	SW846 7470A [3]
Selenium	4.8 U	10	4.8	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Silver	1.0 U	5.0	1.0	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA16671
(2) Instrument QC Batch: MA16683
(3) Prep QC Batch: MP22400
(4) Prep QC Batch: MP22410

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: LBA-MW-39
Lab Sample ID: MC27769-4
Matrix: AQ - Ground Water
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 01/15/14
Date Received: 01/18/14
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.18	0.010	0.0023	mg/l	1	01/22/14 12:26	MA	SW846 9012

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	LBA-MW-44-E		
Lab Sample ID:	MC27769-5	**Date Sampled:**	01/16/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U17460.D	1	01/21/14	GK	n/a	n/a	MSU825
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	2.0	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-44-E		
Lab Sample ID:	MC27769-5	**Date Sampled:**	01/16/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-130%
2037-26-5	Toluene-D8	95%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-MW-44-E
Lab Sample ID: MC27769-5
Matrix: AQ - Ground Water
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 01/16/14
Date Received: 01/18/14
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.69	0.050	0.012	mg/l	5	01/22/14 12:35	MA	SW846 9012

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	LBA-MW-36		
Lab Sample ID:	MC27769-6	**Date Sampled:**	01/16/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U17461.D	1	01/21/14	GK	n/a	n/a	MSU825
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-36		
Lab Sample ID:	MC27769-6	**Date Sampled:**	01/16/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	1.3	5.0	0.87	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.63	5.0	0.47	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	1.4	1.0	0.70	ug/l	
95-47-6	o-Xylene	0.48	1.0	0.41	ug/l	J
1330-20-7	Xylene (total)	1.9	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	106%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-MW-36
Lab Sample ID: MC27769-6
Matrix: AQ - Ground Water
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 01/16/14
Date Received: 01/18/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9 U	4.0	2.9	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Barium	689	50	0.81	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Chromium	21.7	10	1.4	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Mercury	0.067 U	0.20	0.067	ug/l	1	01/21/14	01/21/14	SA	SW846 7470A [1]	SW846 7470A [3]
Selenium	4.8 U	10	4.8	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Silver	1.0 U	5.0	1.0	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA16671
(2) Instrument QC Batch: MA16683
(3) Prep QC Batch: MP22400
(4) Prep QC Batch: MP22410

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	LBA-MW-36		
Lab Sample ID:	MC27769-6	**Date Sampled:**	01/16/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
		Percent Solids:	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	12.2	0.50	0.12	mg/l	50	01/22/14 12:38	MA	SW846 9012

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	LBA-MW-35		
Lab Sample ID:	MC27769-7	**Date Sampled:**	01/16/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U17462.D	1	01/21/14	GK	n/a	n/a	MSU825
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-35		
Lab Sample ID:	MC27769-7	**Date Sampled:**	01/16/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	108%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-MW-35
Lab Sample ID: MC27769-7
Matrix: AQ - Ground Water
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 01/16/14
Date Received: 01/18/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9 U	4.0	2.9	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Barium	4730	50	0.81	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Chromium	1.4 U	10	1.4	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Mercury	0.067 U	0.20	0.067	ug/l	1	01/21/14	01/21/14	SA	SW846 7470A [1]	SW846 7470A [3]
Selenium	4.8 U	10	4.8	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Silver	1.0 U	5.0	1.0	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA16671
(2) Instrument QC Batch: MA16683
(3) Prep QC Batch: MP22400
(4) Prep QC Batch: MP22410

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	LBA-MW-35		
Lab Sample ID:	MC27769-7	**Date Sampled:**	01/16/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
		Percent Solids:	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.60	0.050	0.012	mg/l	5	01/22/14 12:32	MA	SW846 9012

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	LBA-MW-42-N		
Lab Sample ID:	MC27769-8	**Date Sampled:**	01/16/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U17463.D	1	01/21/14	GK	n/a	n/a	MSU825
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	3.4	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-42-N		
Lab Sample ID:	MC27769-8	**Date Sampled:**	01/16/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	106%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-MW-42-N
Lab Sample ID: MC27769-8
Matrix: AQ - Ground Water
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 01/16/14
Date Received: 01/18/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.1 B	4.0	2.9	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Barium	687	50	0.81	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Chromium	1.4 U	10	1.4	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Mercury	0.067 U	0.20	0.067	ug/l	1	01/21/14	01/21/14	SA	SW846 7470A [1]	SW846 7470A [3]
Selenium	4.8 U	10	4.8	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Silver	1.0 U	5.0	1.0	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA16671
(2) Instrument QC Batch: MA16683
(3) Prep QC Batch: MP22400
(4) Prep QC Batch: MP22410

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	LBA-MW-42-S		
Lab Sample ID:	MC27769-9	**Date Sampled:**	01/16/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U17464.D	1	01/21/14	GK	n/a	n/a	MSU825
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	2.7	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-42-S		
Lab Sample ID:	MC27769-9	**Date Sampled:**	01/16/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-MW-42-S
Lab Sample ID: MC27769-9
Matrix: AQ - Ground Water
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 01/16/14
Date Received: 01/18/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9 U	4.0	2.9	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Barium	2700	50	0.81	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Chromium	1.4 U	10	1.4	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Mercury	0.067 U	0.20	0.067	ug/l	1	01/21/14	01/21/14	SA	SW846 7470A [1]	SW846 7470A [3]
Selenium	4.8 U	10	4.8	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Silver	1.0 U	5.0	1.0	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA16671
(2) Instrument QC Batch: MA16683
(3) Prep QC Batch: MP22400
(4) Prep QC Batch: MP22410

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	LBA-MW-41		
Lab Sample ID:	MC27769-10	**Date Sampled:**	01/16/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U17465.D	1	01/21/14	GK	n/a	n/a	MSU825
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	1.5	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	43.9	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-41		
Lab Sample ID:	MC27769-10	**Date Sampled:**	01/16/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	3.8	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	7.5	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	111%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-MW-41
Lab Sample ID: MC27769-10
Matrix: AQ - Ground Water
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 01/16/14
Date Received: 01/18/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	5.9	4.0	2.9	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Barium	1300	50	0.81	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Chromium	1.4 U	10	1.4	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Mercury	0.067 U	0.20	0.067	ug/l	1	01/21/14	01/21/14	SA	SW846 7470A [1]	SW846 7470A [3]
Selenium	4.8 U	10	4.8	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Silver	1.0 U	5.0	1.0	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA16671
(2) Instrument QC Batch: MA16683
(3) Prep QC Batch: MP22400
(4) Prep QC Batch: MP22410

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	LBA-MW-40-N		
Lab Sample ID:	MC27769-11	**Date Sampled:**	01/16/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U17466.D	1	01/21/14	GK	n/a	n/a	MSU825
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	0.98	1.0	0.50	ug/l	J
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-40-N		
Lab Sample ID:	MC27769-11	**Date Sampled:**	01/16/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	107%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-MW-40-N
Lab Sample ID: MC27769-11
Matrix: AQ - Ground Water
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 01/16/14
Date Received: 01/18/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	4.7	4.0	2.9	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Barium	746	50	0.81	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Chromium	7.0 B	10	1.4	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Mercury	0.067 U	0.20	0.067	ug/l	1	01/21/14	01/21/14	SA	SW846 7470A [1]	SW846 7470A [3]
Selenium	4.8 U	10	4.8	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Silver	1.0 U	5.0	1.0	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA16671
(2) Instrument QC Batch: MA16683
(3) Prep QC Batch: MP22400
(4) Prep QC Batch: MP22410

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	LBA-MW-40-S		
Lab Sample ID:	MC27769-12	**Date Sampled:**	01/16/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U17467.D	1	01/21/14	GK	n/a	n/a	MSU825
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	0.75	5.0	0.59	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-40-S		
Lab Sample ID:	MC27769-12	**Date Sampled:**	01/16/14
Matrix:	AQ - Ground Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LBA-MW-40-S
Lab Sample ID: MC27769-12
Matrix: AQ - Ground Water
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Date Sampled: 01/16/14
Date Received: 01/18/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9 U	4.0	2.9	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Barium	136	50	0.81	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Chromium	15.3	10	1.4	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Mercury	0.067 U	0.20	0.067	ug/l	1	01/21/14	01/21/14	SA	SW846 7470A [1]	SW846 7470A [3]
Selenium	4.8 U	10	4.8	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]
Silver	1.0 U	5.0	1.0	ug/l	1	01/22/14	01/22/14	EAL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA16671
(2) Instrument QC Batch: MA16683
(3) Prep QC Batch: MP22400
(4) Prep QC Batch: MP22410

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANKS		
Lab Sample ID:	MC27769-13	**Date Sampled:**	01/16/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U17447.D	1	01/21/14	GK	n/a	n/a	MSU825
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANKS		
Lab Sample ID:	MC27769-13	**Date Sampled:**	01/16/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	01/18/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY		

VOA TCL 4.2 + Stars

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	106%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 1 OF 2

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest Job #: MC27769

Client / Reporting Information

Company Name: WSP
Street Address: 11190 Sunrise Valley Dr Ste 300
City / State / Zip: Reston VA 20191
Project Contact / E-mail: Lisa.Bryda@WSPgroup.com
Phone # / Fax #: 703-709-6500
Sampler(s) Name(s) / Phone #: Rob Wallace 571-205-8058

Project Information

Project Name: EPT - Ithaca
Street: 620 S. Aurora St
City: Ithaca, NY
Project #: 4255-05
Client PO#:
Project Manager: Lisa Bryda

Billing Information (If different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB- Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	VOCs (TCL/CP-51)	RCRA metals	Cyanide													LAB USE ONLY
-1	LBA-MW-44-W		1/15/14	1207	RSW	Aq	5	X	X	X							X	X	X													
-2	LBA-MW-43-N		1/15/14	1303	RSW	Aq	5	X	X	X							X	X	X													
-3	LBA-MW-43-S		1/15/14	1720	RSW	Aq	5	X	X	X							X	X	X													
-4	LBA-MW-39		1/15/14	1745	RSW	Aq	5	X	X	X							X	X	X													
-5	LBA-MW-44-E		1/16/14	0821	RSW	Aq	4	X		X							X		X	- Well went dry												
-6	LBA-MW-36		1/16/14	0850	RSW	Aq	5	X	X	X							X	X	X													
-7	LBA-MW-35		1/16/14	1102	RSW	Aq	5	X	X	X							X	X	X													
-8	LBA-MW-42-N		1/16/14	1340	RSW	Aq	4	X		X							X	X														
-9	LBA-MW-42-S		1/16/14	1542	RSW	Aq	4	X		X							X	X														3F2, 6C,
-10	LBA-MW-41		1/16/14	1605	RSW	Aq	4	X		X							X	X														3C,
-11	LBA-MW-40N		1/16/14	1642	RSW	Aq	4	X		X							X	X														
-12	LBA-MW-40S		1/16/14	1831	RSW	Aq	5	X		X							X	X	- Extra for Filtering													

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [X] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [X] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		1/17/14 1100	1	2		2
3	FL	1/17/14 1100	3	4		4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Intact / Not Intact	Preserved where applicable

On Ice: T
Cooler Temp: 0.3°C

SYRACUSE SC

MC27769: Chain of Custody
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ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 2 OF 2

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: MC27769

Client / Reporting Information

Company Name: WSP
Street Address: 11190 Sunrise Valley Dr Ste 300
City: Reston State: VA Zip: 20191
Project Contact: LisaBryda@WSPgroup.com E-mail:
Phone #: 703-705-6500 Fax #:
Sampler(s) Name(s): Rob Wallace Phone #: 571-205-8058

Project Information

Project Name: EPT- Ithaca
Street: 620 S. Aurora St
City: Ithaca, NY
Project#: 4255-05
Client PO#:
Project Manager: LisaBryda

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	VOCs	LAB USE ONLY
-13	Trip Blank					Aq	2	X									X	

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [X] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [X] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		1/17/14 1100	1	2		2
3	FX	1-18-14 1030	3	4		4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Intact / Not Intact	Preserved where applicable	On Ice: 4	Cooler Temp: 0.3 0.4

SYRACUSE SC

MC27769: Chain of Custody
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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC27769 **Client:** WSP **Immediate Client Services Action Required:** No

Date / Time Received: 1/18/2014 **Delivery Method:**

Project: EPT ITHACA **No. Coolers:** **Airbill #'s:**

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	Infared gun	
3. Cooler media:	Ice (bag)	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☐	
2. Trip Blank listed on COC:	☐	☐	
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample rec'd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume rec'd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

-1 and -9 no metals bottle received. Email sent

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC27769: Chain of Custody
Page 3 of 4

Sample Receipt Summary - Problem Resolution

Accutest Job Number: MC27769

CSR: Frank D'Agostino **Response Date:** 1/20/2014

Response: Bottles were found in login.

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC27769: Chain of Custody
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Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC27769

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC27769-1 Collected: 15-JAN-14 12:07 By: RJW LBA-MW-44-W			Received: 18-JAN-14 By:			
MC27769-1	SW846 7470A	21-JAN-14 12:10	SA	21-JAN-14	EM	HG
MC27769-1	SW846 8260C	21-JAN-14 13:08	GK			V8260SL+
MC27769-1	SW846 6010C	21-JAN-14 18:07	EAL	21-JAN-14	EM	AG,AS,BA,CD,CR,PB,SE
MC27769-1	SW846 9012	22-JAN-14 12:33	MA	22-JAN-14	MA	CN
MC27769-2 Collected: 15-JAN-14 13:03 By: RJW LBA-MW-43-N			Received: 18-JAN-14 By:			
MC27769-2	SW846 7470A	21-JAN-14 12:42	SA	21-JAN-14	EM	HG
MC27769-2	SW846 8260C	21-JAN-14 13:35	GK			V8260SL+
MC27769-2	SW846 6010C	21-JAN-14 16:08	EAL	21-JAN-14	EM	AG,AS,BA,CD,CR,PB,SE
MC27769-2	SW846 9012	22-JAN-14 12:34	MA	22-JAN-14	MA	CN
MC27769-3 Collected: 15-JAN-14 17:20 By: RJW LBA-MW-43-S			Received: 18-JAN-14 By:			
MC27769-3	SW846 7470A	21-JAN-14 12:45	SA	21-JAN-14	EM	HG
MC27769-3	SW846 8260C	21-JAN-14 14:03	GK			V8260SL+
MC27769-3	SW846 6010C	21-JAN-14 18:12	EAL	21-JAN-14	EM	AG,AS,BA,CD,CR,PB,SE
MC27769-3	SW846 9012	22-JAN-14 12:25	MA	22-JAN-14	MA	CN
MC27769-4 Collected: 15-JAN-14 17:45 By: RJW LBA-MW-39			Received: 18-JAN-14 By:			
MC27769-4	SW846 7470A	21-JAN-14 12:48	SA	21-JAN-14	EM	HG
MC27769-4	SW846 8260C	21-JAN-14 16:19	GK			V8260SL+
MC27769-4	SW846 9012	22-JAN-14 12:26	MA	22-JAN-14	MA	CN
MC27769-4	SW846 6010C	22-JAN-14 19:24	EAL	22-JAN-14	EM	AG,AS,BA,CD,CR,PB,SE
MC27769-5 Collected: 16-JAN-14 08:21 By: RJW LBA-MW-44-E			Received: 18-JAN-14 By:			
MC27769-5	SW846 8260C	21-JAN-14 16:47	GK			V8260SL+
MC27769-5	SW846 9012	22-JAN-14 12:35	MA	22-JAN-14	MA	CN

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC27769

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC27769-6 Collected: 16-JAN-14 08:50 By: RJW Received: 18-JAN-14 By: LBA-MW-36						
MC27769-6	SW846 7470A	21-JAN-14 12:27	SA	21-JAN-14	EM	HG
MC27769-6	SW846 8260C	21-JAN-14 17:14	GK			V8260SL+
MC27769-6	SW846 9012	22-JAN-14 12:38	MA	22-JAN-14	MA	CN
MC27769-6	SW846 6010C	22-JAN-14 19:29	EAL	22-JAN-14	EM	AG,AS,BA,CD,CR,PB,SE
MC27769-7 Collected: 16-JAN-14 11:02 By: RJW Received: 18-JAN-14 By: LBA-MW-35						
MC27769-7	SW846 7470A	21-JAN-14 12:55	SA	21-JAN-14	EM	HG
MC27769-7	SW846 8260C	21-JAN-14 17:41	GK			V8260SL+
MC27769-7	SW846 9012	22-JAN-14 12:32	MA	22-JAN-14	MA	CN
MC27769-7	SW846 6010C	22-JAN-14 19:34	EAL	22-JAN-14	EM	AG,AS,BA,CD,CR,PB,SE
MC27769-8 Collected: 16-JAN-14 13:40 By: RJW Received: 18-JAN-14 By: LBA-MW-42-N						
MC27769-8	SW846 7470A	21-JAN-14 12:58	SA	21-JAN-14	EM	HG
MC27769-8	SW846 8260C	21-JAN-14 18:08	GK			V8260SL+
MC27769-8	SW846 6010C	22-JAN-14 19:49	EAL	22-JAN-14	EM	AG,AS,BA,CD,CR,PB,SE
MC27769-9 Collected: 16-JAN-14 15:42 By: RJW Received: 18-JAN-14 By: LBA-MW-42-S						
MC27769-9	SW846 7470A	21-JAN-14 13:00	SA	21-JAN-14	EM	HG
MC27769-9	SW846 8260C	21-JAN-14 18:36	GK			V8260SL+
MC27769-9	SW846 6010C	22-JAN-14 19:54	EAL	22-JAN-14	EM	AG,AS,BA,CD,CR,PB,SE
MC27769-10 Collected: 16-JAN-14 16:05 By: RJW Received: 18-JAN-14 By: LBA-MW-41						
MC27769-10	SW846 7470A	21-JAN-14 13:03	SA	21-JAN-14	EM	HG
MC27769-10	SW846 8260C	21-JAN-14 19:03	GK			V8260SL+
MC27769-10	SW846 6010C	22-JAN-14 19:59	EAL	22-JAN-14	EM	AG,AS,BA,CD,CR,PB,SE

Internal Sample Tracking Chronicle

WSP Environmental & Energy

Job No: MC27769

Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Project No: 4255-05

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC27769-11	Collected: 16-JAN-14 16:42 By: RJW		Received: 18-JAN-14 By:			
LBA-MW-40-N						
MC27769-11	SW846 7470A	21-JAN-14 13:05	SA	21-JAN-14	EM	HG
MC27769-11	SW846 8260C	21-JAN-14 19:30	GK			V8260SL+
MC27769-11	SW846 6010C	22-JAN-14 20:04	EAL	22-JAN-14	EM	AG,AS,BA,CD,CR,PB,SE
MC27769-12	Collected: 16-JAN-14 18:31 By: RJW		Received: 18-JAN-14 By:			
LBA-MW-40-S						
MC27769-12	SW846 7470A	21-JAN-14 13:08	SA	21-JAN-14	EM	HG
MC27769-12	SW846 8260C	21-JAN-14 19:57	GK			V8260SL+
MC27769-12	SW846 6010C	22-JAN-14 20:09	EAL	22-JAN-14	EM	AG,AS,BA,CD,CR,PB,SE
MC27769-13	Collected: 16-JAN-14 00:00 By: RJW		Received: 18-JAN-14 By:			
TRIP BLANKS						
MC27769-13	SW846 8260C	21-JAN-14 10:51	GK			V8260SL+

Accutest Internal Chain of Custody

Job Number: MC27769
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 01/18/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC27769-1.1	Walk In Ref #5	Mehdi Abdolrahim	01/22/14 08:54	Retrieve from Storage
MC27769-1.1	Mehdi Abdolrahim	Walk In Ref #5	01/22/14 10:08	Return to Storage
MC27769-1.2	Walk In Ref #5	Mohammad Adib	01/21/14 07:45	Retrieve from Storage
MC27769-1.2	Mohammad Adib	Walk In Ref #5	01/21/14 14:59	Return to Storage
MC27769-1.4	VOC Ref #3	Gary Krasinski	01/21/14 09:39	Retrieve from Storage
MC27769-1.4	Gary Krasinski	GCMSU	01/21/14 09:39	Load on Instrument
MC27769-1.4	GCMSU	Gary Krasinski	01/22/14 09:16	Unload from Instrument
MC27769-1.4	Gary Krasinski	VOC Ref #3	01/22/14 09:16	Return to Storage
MC27769-2.1	Walk In Ref #5	Mohammad Adib	01/21/14 07:45	Retrieve from Storage
MC27769-2.1	Mohammad Adib	Walk In Ref #5	01/21/14 14:59	Return to Storage
MC27769-2.1	Walk In Ref #5	Mehdi Abdolrahim	01/22/14 08:54	Retrieve from Storage
MC27769-2.1	Mehdi Abdolrahim	Walk In Ref #5	01/22/14 10:08	Return to Storage
MC27769-2.3	VOC Ref #3	Gary Krasinski	01/21/14 09:39	Retrieve from Storage
MC27769-2.3	Gary Krasinski	GCMSU	01/21/14 09:39	Load on Instrument
MC27769-2.3	GCMSU	Gary Krasinski	01/22/14 09:16	Unload from Instrument
MC27769-2.3	Gary Krasinski	VOC Ref #3	01/22/14 09:16	Return to Storage
MC27769-3.1	Walk In Ref #5	Mehdi Abdolrahim	01/22/14 08:54	Retrieve from Storage
MC27769-3.1	Mehdi Abdolrahim	Walk In Ref #5	01/22/14 10:08	Return to Storage
MC27769-3.2	Walk In Ref #5	Mohammad Adib	01/21/14 07:45	Retrieve from Storage
MC27769-3.2	Mohammad Adib	Walk In Ref #5	01/21/14 14:59	Return to Storage
MC27769-3.5	VOC Ref #3	Gary Krasinski	01/21/14 09:39	Retrieve from Storage
MC27769-3.5	Gary Krasinski	GCMSU	01/21/14 09:39	Load on Instrument
MC27769-3.5	GCMSU	Gary Krasinski	01/22/14 09:16	Unload from Instrument
MC27769-3.5	Gary Krasinski	VOC Ref #3	01/22/14 09:16	Return to Storage
MC27769-4.1	Walk In Ref #5	Mehdi Abdolrahim	01/22/14 08:54	Retrieve from Storage
MC27769-4.1	Mehdi Abdolrahim	Walk In Ref #5	01/22/14 10:08	Return to Storage
MC27769-4.2	Walk In Ref #5	Mohammad Adib	01/21/14 07:45	Retrieve from Storage
MC27769-4.2	Mohammad Adib	Walk In Ref #5	01/21/14 14:59	Return to Storage
MC27769-4.2	Walk In Ref #5	Mohammad Adib	01/22/14 08:49	Retrieve from Storage
MC27769-4.2	Mohammad Adib	Walk In Ref #5	01/22/14 15:02	Return to Storage
MC27769-4.3	VOC Ref #3	Gary Krasinski	01/21/14 09:39	Retrieve from Storage
MC27769-4.3	Gary Krasinski	GCMSU	01/21/14 09:39	Load on Instrument
MC27769-4.3	GCMSU	Gary Krasinski	01/22/14 09:16	Unload from Instrument
MC27769-4.3	Gary Krasinski	VOC Ref #3	01/22/14 09:16	Return to Storage

Accutest Internal Chain of Custody

Job Number: MC27769
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 01/18/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC27769-5.1	Walk In Ref #5	Mehdi Abdolrahim	01/22/14 08:54	Retrieve from Storage
MC27769-5.1	Mehdi Abdolrahim	Walk In Ref #5	01/22/14 10:08	Return to Storage
MC27769-5.3	VOC Ref #3	Gary Krasinski	01/21/14 09:39	Retrieve from Storage
MC27769-5.3	Gary Krasinski	GCMSU	01/21/14 09:39	Load on Instrument
MC27769-5.3	GCMSU	Gary Krasinski	01/22/14 09:16	Unload from Instrument
MC27769-5.3	Gary Krasinski	VOC Ref #3	01/22/14 09:16	Return to Storage
MC27769-6.1	Walk In Ref #5	Mehdi Abdolrahim	01/22/14 08:54	Retrieve from Storage
MC27769-6.1	Mehdi Abdolrahim	Walk In Ref #5	01/22/14 10:08	Return to Storage
MC27769-6.2	Walk In Ref #5	Mohammad Adib	01/21/14 07:45	Retrieve from Storage
MC27769-6.2	Mohammad Adib	Walk In Ref #5	01/21/14 14:59	Return to Storage
MC27769-6.2	Walk In Ref #5	Mohammad Adib	01/22/14 08:49	Retrieve from Storage
MC27769-6.2	Mohammad Adib	Walk In Ref #5	01/22/14 15:02	Return to Storage
MC27769-6.3	VOC Ref #3	Gary Krasinski	01/21/14 09:39	Retrieve from Storage
MC27769-6.3	Gary Krasinski	GCMSU	01/21/14 09:39	Load on Instrument
MC27769-6.3	GCMSU	Gary Krasinski	01/22/14 09:16	Unload from Instrument
MC27769-6.3	Gary Krasinski	VOC Ref #3	01/22/14 09:16	Return to Storage
MC27769-7.1	Walk In Ref #5	Mehdi Abdolrahim	01/22/14 08:54	Retrieve from Storage
MC27769-7.1	Mehdi Abdolrahim	Walk In Ref #5	01/22/14 10:08	Return to Storage
MC27769-7.2	Walk In Ref #5	Mohammad Adib	01/21/14 07:45	Retrieve from Storage
MC27769-7.2	Mohammad Adib	Walk In Ref #5	01/21/14 14:59	Return to Storage
MC27769-7.2	Walk In Ref #5	Mohammad Adib	01/22/14 08:49	Retrieve from Storage
MC27769-7.2	Mohammad Adib	Walk In Ref #5	01/22/14 15:02	Return to Storage
MC27769-7.5	VOC Ref #3	Gary Krasinski	01/21/14 09:39	Retrieve from Storage
MC27769-7.5	Gary Krasinski	GCMSU	01/21/14 09:39	Load on Instrument
MC27769-7.5	GCMSU	Gary Krasinski	01/22/14 09:16	Unload from Instrument
MC27769-7.5	Gary Krasinski	VOC Ref #3	01/22/14 09:16	Return to Storage
MC27769-8.1	Walk In Ref #5	Mohammad Adib	01/21/14 07:45	Retrieve from Storage
MC27769-8.1	Mohammad Adib	Walk In Ref #5	01/21/14 14:59	Return to Storage
MC27769-8.1	Walk In Ref #5	Mohammad Adib	01/22/14 08:49	Retrieve from Storage
MC27769-8.1	Mohammad Adib	Walk In Ref #5	01/22/14 15:02	Return to Storage
MC27769-8.4	VOC Ref #3	Gary Krasinski	01/21/14 09:39	Retrieve from Storage
MC27769-8.4	Gary Krasinski	GCMSU	01/21/14 09:39	Load on Instrument
MC27769-8.4	GCMSU	Gary Krasinski	01/22/14 09:16	Unload from Instrument
MC27769-8.4	Gary Krasinski	VOC Ref #3	01/22/14 09:16	Return to Storage

Accutest Internal Chain of Custody

Job Number: MC27769
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 01/18/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC27769-9.1	Walk In Ref #5	Mohammad Adib	01/21/14 07:45	Retrieve from Storage
MC27769-9.1	Mohammad Adib	Walk In Ref #5	01/21/14 14:59	Return to Storage
MC27769-9.1	Walk In Ref #5	Mohammad Adib	01/22/14 08:49	Retrieve from Storage
MC27769-9.1	Mohammad Adib	Walk In Ref #5	01/22/14 15:02	Return to Storage
MC27769-9.3	VOC Ref #3	Gary Krasinski	01/21/14 09:39	Retrieve from Storage
MC27769-9.3	Gary Krasinski	GCMSU	01/21/14 09:39	Load on Instrument
MC27769-9.3	GCMSU	Gary Krasinski	01/22/14 09:16	Unload from Instrument
MC27769-9.3	Gary Krasinski	VOC Ref #3	01/22/14 09:16	Return to Storage
MC27769-10.1	Walk In Ref #5	Mohammad Adib	01/21/14 07:45	Retrieve from Storage
MC27769-10.1	Mohammad Adib	Walk In Ref #5	01/21/14 14:59	Return to Storage
MC27769-10.1	Walk In Ref #5	Mohammad Adib	01/22/14 08:49	Retrieve from Storage
MC27769-10.1	Mohammad Adib	Walk In Ref #5	01/22/14 15:02	Return to Storage
MC27769-10.4	VOC Ref #3	Gary Krasinski	01/21/14 09:39	Retrieve from Storage
MC27769-10.4	Gary Krasinski	GCMSU	01/21/14 09:39	Load on Instrument
MC27769-10.4	GCMSU	Gary Krasinski	01/22/14 09:16	Unload from Instrument
MC27769-10.4	Gary Krasinski	VOC Ref #3	01/22/14 09:16	Return to Storage
MC27769-11.1	Walk In Ref #5	Mohammad Adib	01/21/14 07:45	Retrieve from Storage
MC27769-11.1	Mohammad Adib	Walk In Ref #5	01/21/14 14:59	Return to Storage
MC27769-11.1	Walk In Ref #5	Mohammad Adib	01/22/14 08:49	Retrieve from Storage
MC27769-11.1	Mohammad Adib	Walk In Ref #5	01/22/14 15:02	Return to Storage
MC27769-11.2	VOC Ref #3	Gary Krasinski	01/21/14 09:39	Retrieve from Storage
MC27769-11.2	Gary Krasinski	GCMSU	01/21/14 09:39	Load on Instrument
MC27769-11.2	GCMSU	Gary Krasinski	01/22/14 09:16	Unload from Instrument
MC27769-11.2	Gary Krasinski	VOC Ref #3	01/22/14 09:16	Return to Storage
MC27769-12.2	Walk In Ref #5	Mohammad Adib	01/21/14 07:45	Retrieve from Storage
MC27769-12.2	Mohammad Adib	Walk In Ref #5	01/21/14 14:59	Return to Storage
MC27769-12.2	Walk In Ref #5	Mohammad Adib	01/22/14 08:49	Retrieve from Storage
MC27769-12.2	Mohammad Adib	Walk In Ref #5	01/22/14 15:02	Return to Storage
MC27769-12.5	VOC Ref #3	Gary Krasinski	01/21/14 09:39	Retrieve from Storage
MC27769-12.5	Gary Krasinski	GCMSU	01/21/14 09:39	Load on Instrument
MC27769-12.5	GCMSU	Gary Krasinski	01/22/14 09:16	Unload from Instrument
MC27769-12.5	Gary Krasinski	VOC Ref #3	01/22/14 09:16	Return to Storage
MC27769-13.1	VOC Ref #3	Gary Krasinski	01/21/14 09:39	Retrieve from Storage
MC27769-13.1	Gary Krasinski	GCMSU	01/21/14 09:39	Load on Instrument
MC27769-13.1	GCMSU	Gary Krasinski	01/22/14 09:16	Unload from Instrument

Accutest Internal Chain of Custody

Job Number: MC27769
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY
Received: 01/18/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC27769-13.1	Gary Krasinski	VOC Ref #3	01/22/14 09:16	Return to Storage

New England ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC27769
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSU825-MB	U17446.D	1	01/21/14	GK	n/a	n/a	MSU825

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27769-1, MC27769-2, MC27769-3, MC27769-4, MC27769-5, MC27769-6, MC27769-7, MC27769-8, MC27769-9, MC27769-10, MC27769-11, MC27769-12, MC27769-13

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.38	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	

Method Blank Summary

Job Number: MC27769
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSU825-MB	U17446.D	1	01/21/14	GK	n/a	n/a	MSU825

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27769-1, MC27769-2, MC27769-3, MC27769-4, MC27769-5, MC27769-6, MC27769-7, MC27769-8, MC27769-9, MC27769-10, MC27769-11, MC27769-12, MC27769-13

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.87	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	108%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: MC27769
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSU825-BS	U17443.D	1	01/21/14	GK	n/a	n/a	MSU825

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27769-1, MC27769-2, MC27769-3, MC27769-4, MC27769-5, MC27769-6, MC27769-7, MC27769-8, MC27769-9, MC27769-10, MC27769-11, MC27769-12, MC27769-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	61.2	122	70-130
71-43-2	Benzene	50	52.3	105	70-130
75-27-4	Bromodichloromethane	50	51.8	104	70-130
75-25-2	Bromoform	50	51.0	102	70-130
74-83-9	Bromomethane	50	46.4	93	70-130
78-93-3	2-Butanone (MEK)	50	63.5	127	70-130
104-51-8	n-Butylbenzene	50	56.2	112	70-130
135-98-8	sec-Butylbenzene	50	53.6	107	70-130
98-06-6	tert-Butylbenzene	50	50.9	102	70-130
75-15-0	Carbon disulfide	50	50.0	100	70-130
56-23-5	Carbon tetrachloride	50	51.1	102	70-130
108-90-7	Chlorobenzene	50	49.0	98	70-130
75-00-3	Chloroethane	50	57.1	114	70-130
67-66-3	Chloroform	50	50.8	102	70-130
74-87-3	Chloromethane	50	52.5	105	70-130
110-82-7	Cyclohexane	50	53.5	107	71-145
96-12-8	1,2-Dibromo-3-chloropropane	50	53.9	108	70-130
124-48-1	Dibromochloromethane	50	51.1	102	70-130
106-93-4	1,2-Dibromoethane	50	51.8	104	70-130
95-50-1	1,2-Dichlorobenzene	50	51.6	103	70-130
541-73-1	1,3-Dichlorobenzene	50	51.6	103	70-130
106-46-7	1,4-Dichlorobenzene	50	51.8	104	70-130
75-71-8	Dichlorodifluoromethane	50	52.0	104	70-130
75-34-3	1,1-Dichloroethane	50	53.5	107	70-130
107-06-2	1,2-Dichloroethane	50	48.9	98	70-130
75-35-4	1,1-Dichloroethene	50	53.7	107	70-130
156-59-2	cis-1,2-Dichloroethene	50	50.4	101	70-130
156-60-5	trans-1,2-Dichloroethene	50	49.2	98	70-130
78-87-5	1,2-Dichloropropane	50	52.5	105	70-130
10061-01-5	cis-1,3-Dichloropropene	50	54.3	109	70-130
10061-02-6	trans-1,3-Dichloropropene	50	51.7	103	70-130
100-41-4	Ethylbenzene	50	52.0	104	70-130
76-13-1	Freon 113	50	55.5	111	70-130
591-78-6	2-Hexanone	50	60.5	121	70-130
98-82-8	Isopropylbenzene	50	52.9	106	70-130
99-87-6	p-Isopropyltoluene	50	53.4	107	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC27769
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSU825-BS	U17443.D	1	01/21/14	GK	n/a	n/a	MSU825

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27769-1, MC27769-2, MC27769-3, MC27769-4, MC27769-5, MC27769-6, MC27769-7, MC27769-8, MC27769-9, MC27769-10, MC27769-11, MC27769-12, MC27769-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
79-20-9	Methyl Acetate	50	36.7	73	40-137
108-87-2	Methylcyclohexane	50	57.0	114	74-143
1634-04-4	Methyl Tert Butyl Ether	50	52.0	104	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	53.9	108	70-130
75-09-2	Methylene chloride	50	54.0	108	70-130
91-20-3	Naphthalene	50	60.0	120	70-130
103-65-1	n-Propylbenzene	50	50.4	101	70-130
100-42-5	Styrene	50	50.7	101	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	55.2	110	70-130
127-18-4	Tetrachloroethene	50	51.3	103	70-130
108-88-3	Toluene	50	54.4	109	70-130
120-82-1	1,2,4-Trichlorobenzene	50	60.1	120	70-130
71-55-6	1,1,1-Trichloroethane	50	49.9	100	70-130
79-00-5	1,1,2-Trichloroethane	50	53.7	107	70-130
79-01-6	Trichloroethene	50	54.5	109	70-130
75-69-4	Trichlorofluoromethane	50	51.7	103	70-130
95-63-6	1,2,4-Trimethylbenzene	50	51.5	103	70-130
108-67-8	1,3,5-Trimethylbenzene	50	52.0	104	70-130
75-01-4	Vinyl chloride	50	49.8	100	70-130
	m,p-Xylene	100	104	104	70-130
95-47-6	o-Xylene	50	52.0	104	70-130
1330-20-7	Xylene (total)	150	156	104	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	70-130%
2037-26-5	Toluene-D8	100%	70-130%
460-00-4	4-Bromofluorobenzene	107%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC27769
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC27696-5MS	U17455.D	5	01/21/14	GK	n/a	n/a	MSU825
MC27696-5MSD	U17456.D	5	01/21/14	GK	n/a	n/a	MSU825
MC27696-5	U17450.D	1	01/21/14	GK	n/a	n/a	MSU825

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27769-1, MC27769-2, MC27769-3, MC27769-4, MC27769-5, MC27769-6, MC27769-7, MC27769-8, MC27769-9, MC27769-10, MC27769-11, MC27769-12, MC27769-13

CAS No.	Compound	MC27696-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		250	169	68* [a]	176	70	4	70-130/30
71-43-2	Benzene	ND		250	243	97	254	102	4	70-130/30
75-27-4	Bromodichloromethane	ND		250	242	97	256	102	6	70-130/30
75-25-2	Bromoform	ND		250	219	88	227	91	4	70-130/30
74-83-9	Bromomethane	ND		250	224	90	221	88	1	70-130/30
78-93-3	2-Butanone (MEK)	ND		250	194	78	210	84	8	70-130/30
104-51-8	n-Butylbenzene	ND		250	255	102	261	104	2	70-130/30
135-98-8	sec-Butylbenzene	0.79		250	251	100	248	99	1	70-130/30
98-06-6	tert-Butylbenzene	ND		250	248	99	254	102	2	70-130/30
75-15-0	Carbon disulfide	ND		250	195	78	203	81	4	70-130/30
56-23-5	Carbon tetrachloride	ND		250	245	98	264	106	7	70-130/30
108-90-7	Chlorobenzene	ND		250	239	96	250	100	4	70-130/30
75-00-3	Chloroethane	ND		250	278	111	265	106	5	70-130/30
67-66-3	Chloroform	ND		250	252	101	249	100	1	70-130/30
74-87-3	Chloromethane	ND		250	215	86	232	93	8	70-130/30
110-82-7	Cyclohexane	ND		250	228	91	240	96	5	60-160/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		250	250	100	264	106	5	70-130/30
124-48-1	Dibromochloromethane	ND		250	242	97	241	96	0	70-130/30
106-93-4	1,2-Dibromoethane	ND		250	254	102	270	108	6	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		250	248	99	249	100	0	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		250	246	98	248	99	1	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		250	248	99	254	102	2	70-130/30
75-71-8	Dichlorodifluoromethane	ND		250	237	95	250	100	5	70-130/30
75-34-3	1,1-Dichloroethane	ND		250	244	98	250	100	2	70-130/30
107-06-2	1,2-Dichloroethane	ND		250	247	99	257	103	4	70-130/30
75-35-4	1,1-Dichloroethene	ND		250	247	99	243	97	2	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		250	230	92	244	98	6	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		250	227	91	237	95	4	70-130/30
78-87-5	1,2-Dichloropropane	ND		250	229	92	246	98	7	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		250	232	93	249	100	7	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		250	229	92	245	98	7	70-130/30
100-41-4	Ethylbenzene	1.3		250	254	101	264	105	4	70-130/30
76-13-1	Freon 113	ND		250	245	98	253	101	3	70-130/30
591-78-6	2-Hexanone	ND		250	211	84	211	84	0	70-130/30
98-82-8	Isopropylbenzene	0.66		250	250	100	247	99	1	70-130/30
99-87-6	p-Isopropyltoluene	ND		250	255	102	262	105	3	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC27769
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC27696-5MS	U17455.D	5	01/21/14	GK	n/a	n/a	MSU825
MC27696-5MSD	U17456.D	5	01/21/14	GK	n/a	n/a	MSU825
MC27696-5	U17450.D	1	01/21/14	GK	n/a	n/a	MSU825

The QC reported here applies to the following samples: **Method:** SW846 8260C

MC27769-1, MC27769-2, MC27769-3, MC27769-4, MC27769-5, MC27769-6, MC27769-7, MC27769-8, MC27769-9, MC27769-10, MC27769-11, MC27769-12, MC27769-13

CAS No.	Compound	MC27696-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
79-20-9	Methyl Acetate	ND		250	172	69	165	66	4	34-145/30
108-87-2	Methylcyclohexane	ND		250	242	97	260	104	7	70-130/30
1634-04-4	Methyl Tert Butyl Ether	ND		250	243	97	244	98	0	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	240	96	251	100	4	70-130/30
75-09-2	Methylene chloride	ND		250	248	99	257	103	4	70-130/30
91-20-3	Naphthalene	ND		250	257	103	290	116	12	70-130/30
103-65-1	n-Propylbenzene	1.2		250	233	93	237	94	2	70-130/30
100-42-5	Styrene	ND		250	246	98	253	101	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	267	107	256	102	4	70-130/30
127-18-4	Tetrachloroethene	ND		250	258	103	264	106	2	70-130/30
108-88-3	Toluene	ND		250	254	102	267	107	5	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		250	264	106	290	116	9	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		250	260	104	263	105	1	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		250	244	98	265	106	8	70-130/30
79-01-6	Trichloroethene	ND		250	242	97	271	108	11	70-130/30
75-69-4	Trichlorofluoromethane	ND		250	266	106	260	104	2	70-130/30
95-63-6	1,2,4-Trimethylbenzene	1.3		250	245	97	253	101	3	70-130/30
108-67-8	1,3,5-Trimethylbenzene	ND		250	252	101	256	102	2	70-130/30
75-01-4	Vinyl chloride	ND		250	219	88	234	94	7	70-130/30
	m,p-Xylene	ND		500	517	103	528	106	2	70-130/30
95-47-6	o-Xylene	ND		250	243	97	265	106	9	70-130/30
1330-20-7	Xylene (total)	0.49		750	760	101	793	106	4	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC27696-5	Limits
1868-53-7	Dibromofluoromethane	107%	104%	108%	70-130%
2037-26-5	Toluene-D8	99%	100%	98%	70-130%
460-00-4	4-Bromofluorobenzene	104%	101%	105%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: MC27769
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSU822-BFB
Lab File ID: U17394.D
Instrument ID: GCMSU
Injection Date: 01/17/14
Injection Time: 10:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	5250	34.9		Pass
75	30.0 - 60.0% of mass 95	7539	50.1		Pass
95	Base peak, 100% relative abundance	15047	100.0		Pass
96	5.0 - 9.0% of mass 95	763	5.07		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	16270	108.1		Pass
175	5.0 - 9.0% of mass 174	1192	7.92	(7.33) [a]	Pass
176	95.0 - 101.0% of mass 174	16151	107.3	(99.3) [a]	Pass
177	5.0 - 9.0% of mass 176	1233	8.19	(7.63) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSU823-IC823	U17397A.D	01/17/14	11:59	01:22	Initial cal 0.5
MSU822-IC822	U17397.D	01/17/14	11:59	01:22	Initial cal 0.5
MSU822-IC822	U17398.D	01/17/14	12:26	01:49	Initial cal 1
MSU823-IC823	U17398A.D	01/17/14	12:26	01:49	Initial cal 1
MSU822-IC822	U17399.D	01/17/14	12:53	02:16	Initial cal 2
MSU823-IC823	U17399A.D	01/17/14	12:53	02:16	Initial cal 2
MSU822-IC822	U17400.D	01/17/14	13:20	02:43	Initial cal 5
MSU823-IC823	U17400A.D	01/17/14	13:20	02:43	Initial cal 5
MSU822-IC822	U17401.D	01/17/14	13:48	03:11	Initial cal 10
MSU823-IC823	U17401A.D	01/17/14	13:48	03:11	Initial cal 10
MSU823-IC823	U17402A.D	01/17/14	14:15	03:38	Initial cal 25
MSU822-IC822	U17402.D	01/17/14	14:15	03:38	Initial cal 25
MSU822-ICC822	U17403.D	01/17/14	14:42	04:05	Initial cal 50
MSU823-ICC823	U17403A.D	01/17/14	14:42	04:05	Initial cal 50
MSU822-IC822	U17404.D	01/17/14	15:09	04:32	Initial cal 100
MSU823-IC823	U17404A.D	01/17/14	15:09	04:32	Initial cal 100
MSU822-IC822	U17405.D	01/17/14	15:36	04:59	Initial cal 200
MSU823-IC823	U17405A.D	01/17/14	15:36	04:59	Initial cal 200
MSU823-IC823	U17406A.D	01/17/14	16:04	05:27	Initial cal 400
MSU822-IC822	U17406.D	01/17/14	16:04	05:27	Initial cal 400
MSU822-ICV822	U17410.D	01/17/14	17:52	07:15	Initial cal verification 50
MSU823-ICV823	U17410A.D	01/17/14	17:52	07:15	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: MC27769
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample: MSU825-BFB
Lab File ID: U17441.D
Instrument ID: GCMSU
Injection Date: 01/21/14
Injection Time: 08:08

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	14749	28.1		Pass
75	30.0 - 60.0% of mass 95	30589	58.3		Pass
95	Base peak, 100% relative abundance	52493	100.0		Pass
96	5.0 - 9.0% of mass 95	3640	6.93		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	52219	99.5		Pass
175	5.0 - 9.0% of mass 174	3849	7.33	(7.37) [a]	Pass
176	95.0 - 101.0% of mass 174	51016	97.2	(97.7) [a]	Pass
177	5.0 - 9.0% of mass 176	3526	6.72	(6.91) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSU825-CC822	U17442.D	01/21/14	08:34	00:26	Continuing cal 50
MSU825-BS	U17443.D	01/21/14	09:02	00:54	Blank Spike
MSU825-MB	U17446.D	01/21/14	10:24	02:16	Method Blank
MC27769-13	U17447.D	01/21/14	10:51	02:43	TRIP BLANKS
ZZZZZZ	U17448.D	01/21/14	11:19	03:11	(unrelated sample)
ZZZZZZ	U17449.D	01/21/14	11:46	03:38	(unrelated sample)
MC27696-5	U17450.D	01/21/14	12:13	04:05	(used for QC only; not part of job MC27769)
ZZZZZZ	U17451.D	01/21/14	12:40	04:32	(unrelated sample)
MC27769-1	U17452.D	01/21/14	13:08	05:00	LBA-MW-44-W
MC27769-2	U17453.D	01/21/14	13:35	05:27	LBA-MW-43-N
MC27769-3	U17454.D	01/21/14	14:03	05:55	LBA-MW-43-S
MC27696-5MS	U17455.D	01/21/14	14:30	06:22	Matrix Spike
MC27696-5MSD	U17456.D	01/21/14	14:57	06:49	Matrix Spike Duplicate
ZZZZZZ	U17457.D	01/21/14	15:24	07:16	(unrelated sample)
ZZZZZZ	U17458.D	01/21/14	15:52	07:44	(unrelated sample)
MC27769-4	U17459.D	01/21/14	16:19	08:11	LBA-MW-39
MC27769-5	U17460.D	01/21/14	16:47	08:39	LBA-MW-44-E
MC27769-6	U17461.D	01/21/14	17:14	09:06	LBA-MW-36
MC27769-7	U17462.D	01/21/14	17:41	09:33	LBA-MW-35
MC27769-8	U17463.D	01/21/14	18:08	10:00	LBA-MW-42-N
MC27769-9	U17464.D	01/21/14	18:36	10:28	LBA-MW-42-S
MC27769-10	U17465.D	01/21/14	19:03	10:55	LBA-MW-41
MC27769-11	U17466.D	01/21/14	19:30	11:22	LBA-MW-40-N
MC27769-12	U17467.D	01/21/14	19:57	11:49	LBA-MW-40-S

Instrument Performance Check (BFB)

Job Number: MC27769
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Sample:	MSU825-BFB	**Injection Date:**	01/21/14
Lab File ID:	U17441.D	**Injection Time:**	08:08
Instrument ID:	GCMSU		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	U17471.D	01/21/14	21:46	13:38	(unrelated sample)
ZZZZZZ	U17472.D	01/21/14	22:13	14:05	(unrelated sample)
ZZZZZZ	U17473.D	01/21/14	22:41	14:33	(unrelated sample)
ZZZZZZ	U17474.D	01/21/14	23:08	15:00	(unrelated sample)
ZZZZZZ	U17475.D	01/21/14	23:36	15:28	(unrelated sample)
ZZZZZZ	U17476.D	01/22/14	00:03	15:55	(unrelated sample)
ZZZZZZ	U17477.D	01/22/14	00:30	16:22	(unrelated sample)
ZZZZZZ	U17478.D	01/22/14	00:58	16:50	(unrelated sample)
ZZZZZZ	U17479.D	01/22/14	01:25	17:17	(unrelated sample)
ZZZZZZ	U17480.D	01/22/14	01:53	17:45	(unrelated sample)
ZZZZZZ	U17481.D	01/22/14	02:20	18:12	(unrelated sample)
ZZZZZZ	U17482.D	01/22/14	02:48	18:40	(unrelated sample)
ZZZZZZ	U17483.D	01/22/14	03:14	19:06	(unrelated sample)
ZZZZZZ	U17484.D	01/22/14	03:41	19:33	(unrelated sample)
ZZZZZZ	U17485.D	01/22/14	04:08	20:00	(unrelated sample)
ZZZZZZ	U17486.D	01/22/14	04:35	20:27	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: MC27769
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std: MSU825-CC822 **Injection Date:** 01/21/14
Lab File ID: U17442.D **Injection Time:** 08:34
Instrument ID: GCMSU **Method:** SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	117937	8.96	157695	9.84	82548	13.10	96642	15.67	40088	6.53
Upper Limit [a]	235874	9.46	315390	10.34	165096	13.60	193284	16.17	80176	7.03
Lower Limit [b]	58969	8.46	78848	9.34	41274	12.60	48321	15.17	20044	6.03

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSU825-BS	118977	8.96	155595	9.84	81572	13.10	92313	15.67	44572	6.54
MSU825-MB	116227	8.96	152237	9.84	76940	13.11	87258	15.68	34706	6.54
MC27769-13	106488	8.96	139201	9.84	69361	13.11	81911	15.68	25883	6.55
ZZZZZZ	102493	8.96	130422	9.84	65563	13.11	79664	15.67	35197	6.54
ZZZZZZ	105161	8.96	134668	9.84	67694	13.11	81995	15.67	33548	6.54
MC27696-5	105471	8.96	134926	9.84	69028	13.11	79655	15.67	25180	6.53
ZZZZZZ	102738	8.96	130928	9.84	66965	13.11	77543	15.68	28444	6.57
MC27769-1	102955	8.96	126299	9.84	64894	13.11	79151	15.68	30348	6.54
MC27769-2	100073	8.97	122925	9.84	62565	13.11	70631	15.68	24796	6.53
MC27769-3	94488	8.96	117011	9.84	59700	13.11	69909	15.68	24600	6.53
MC27696-5MS	93735	8.96	124749	9.84	63428	13.10	73530	15.67	26849	6.52
MC27696-5MSD	97925	8.96	122834	9.84	63870	13.10	77144	15.67	35327	6.53
ZZZZZZ	95846	8.96	122761	9.84	62211	13.11	73050	15.68	33332	6.55
ZZZZZZ	92844	8.96	116217	9.84	59835	13.11	72681	15.67	29703	6.54
MC27769-4	95332	8.97	116257	9.84	58926	13.11	66933	15.68	25776	6.59
MC27769-5	93032	8.96	115850	9.84	58035	13.11	69775	15.68	31944	6.54
MC27769-6	91717	8.97	110616	9.84	54943	13.11	65574	15.67	23549	6.56
MC27769-7	89071	8.96	110492	9.84	56499	13.11	64073	15.68	25975	6.57
MC27769-8	87374	8.96	107232	9.84	56414	13.11	65816	15.68	28476	6.58
MC27769-9	84801	8.96	105587	9.84	54266	13.11	63652	15.68	30112	6.55
MC27769-10	82880	8.97	102538	9.84	50752	13.11	59148	15.67	22178	6.53
MC27769-11	84586	8.97	106101	9.84	54015	13.11	61326	15.68	30167	6.66
MC27769-12	80351	8.97	100053	9.84	52844	13.11	60781	15.68	24909	6.66
ZZZZZZ	80614	8.97	101223	9.84	49452	13.11	57957	15.68	18808*	6.59
ZZZZZZ	77323	8.97	95895	9.84	49408	13.11	55647	15.68	26072	6.60
ZZZZZZ	81085	8.96	100379	9.84	51549	13.11	60034	15.68	25575	6.66
ZZZZZZ	77481	8.96	97159	9.84	49953	13.11	57413	15.68	28994	6.64
ZZZZZZ	78373	8.96	96214	9.84	48769	13.11	59138	15.68	28502	6.63
ZZZZZZ	81915	8.97	100126	9.84	50938	13.11	57082	15.68	27939	6.65
ZZZZZZ	77108	8.96	95244	9.84	48626	13.11	58370	15.68	24838	6.61
ZZZZZZ	77932	8.97	96989	9.84	48919	13.11	59270	15.68	29936	6.65
ZZZZZZ	79190	8.96	97181	9.84	49394	13.11	57863	15.67	28668	6.56
ZZZZZZ	77414	8.97	95284	9.84	47948	13.11	54783	15.67	26278	6.65
ZZZZZZ	80037	8.97	98744	9.84	50736	13.11	58267	15.67	27715	6.65
ZZZZZZ	80423	8.96	98002	9.84	51001	13.11	60331	15.67	28136	6.60

Volatile Internal Standard Area Summary

Job Number: MC27769
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Check Std:	MSU825-CC822	**Injection Date:**	01/21/14
Lab File ID:	U17442.D	**Injection Time:**	08:34
Instrument ID:	GCMSU	**Method:**	SW846 8260C

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
ZZZZZZ	80650	8.97	98336	9.84	48486	13.11	60081	15.67	26855	6.66
ZZZZZZ	76367	8.96	93862	9.84	47873	13.11	57189	15.67	28790	6.57
ZZZZZZ	80150	8.97	98269	9.84	50526	13.11	58593	15.67	26358	6.66
ZZZZZZ	81416	8.97	100366	9.84	51327	13.11	61084	15.67	21950	6.60

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: MC27769
Account: WSPVAR WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Method: SW846 8260C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC27769-1	U17452.D	106.0	99.0	101.0
MC27769-2	U17453.D	105.0	98.0	108.0
MC27769-3	U17454.D	105.0	100.0	107.0
MC27769-4	U17459.D	105.0	101.0	106.0
MC27769-5	U17460.D	103.0	95.0	100.0
MC27769-6	U17461.D	104.0	100.0	106.0
MC27769-7	U17462.D	106.0	99.0	108.0
MC27769-8	U17463.D	105.0	97.0	106.0
MC27769-9	U17464.D	106.0	97.0	102.0
MC27769-10	U17465.D	108.0	96.0	111.0
MC27769-11	U17466.D	110.0	98.0	107.0
MC27769-12	U17467.D	107.0	100.0	104.0
MC27769-13	U17447.D	106.0	100.0	106.0
MC27696-5MS	U17455.D	107.0	99.0	104.0
MC27696-5MSD	U17456.D	104.0	100.0	101.0
MSU825-BS	U17443.D	104.0	100.0	107.0
MSU825-MB	U17446.D	106.0	99.0	108.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: MC27769 **Sample:** MSU822-ICC822
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U17403.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Response Factor Report MSU

Method : D:\msdchem\1\methods\U140117W.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

Calibration Files
1 =U17398.D 2 =U17399.D 5 =U17400.D 50 =U17403.D
100 =U17404.D 200 =U17405.D 400 =U17406.D 0.5 =U17397.D
25 =U17402.D 10 =U17401.D = =

Compound	1	2	5	50	100	200	400	0.5	25	10	Avg	%RSD
1) I tert butyl alcohol-d9 ----------ISTD----------												
2) tertiary butyl alcohol	1.084	1.215	1.164	1.042	1.022			1.427	1.230	1.169		11.96
3) Ethanol	0.104	0.060	0.086	0.093	0.083			0.065	0.105	0.085		20.88
---- Linear regression ---- Coefficient = 0.9945												
Response Ratio = -0.01520 + 0.08476 *A												
4) I pentafluorobenzene ----------ISTD----------												
5) dichlorodifluoromethane	0.381	0.593	0.541	0.554	0.561	0.520		0.567	0.610	0.541		13.01
6) chloromethane	0.514	0.646	0.607	0.634	0.636	0.611		0.641	0.674	0.621		7.70
7) vinyl chloride	0.446	0.343	0.428	0.431	0.458	0.465	0.455	0.448	0.523	0.444		10.54
8) bromomethane	0.220	0.245	0.241	0.254	0.251	0.249		0.258	0.276	0.249		6.33
9) chloroethane	0.143	0.184	0.179	0.189	0.183	0.188		0.189	0.191	0.181		8.78
10) ethyl ether	0.343	0.310	0.350	0.346	0.341			0.307	0.341	0.334		5.33
11) acetonitrile	0.190	0.169	0.163	0.193	0.208			0.186	0.172	0.183		8.62
12) trichlorofluoromethane	0.660	0.626	0.905	0.870	0.921	0.937	0.886	0.970	1.021	0.866		15.55
13) freon-113	0.379	0.330	0.345	0.355	0.345			0.393	0.392	0.363		6.86
14) acrolein	0.002	0.003	0.003	0.004				0.003	0.001	0.003#		35.02
---- Quadratic regression ---- Coefficient = 0.9989												
Response Ratio = 0.00074 + 0.00193 *A + 0.00005 *A^2												
15) 1,1-dichloroethene	0.304	0.345	0.291	0.298	0.312	0.301		0.328	0.346	0.316		6.83
16) acetone	0.058	0.032	0.055	0.051	0.050			0.040	0.039	0.046#		20.04
---- Linear regression ---- Coefficient = 0.9968												
Response Ratio = -0.00317 + 0.05069 *A												
17) Methyl Acetate	0.575	0.461	0.607	0.606	0.597			0.635	0.681	0.594		11.42
18) methylene chloride	0.285	0.357	0.324	0.362	0.344	0.338		0.350	0.385	0.343		8.62

Initial Calibration Summary

Job Number: MC27769 **Sample:** MSU822-ICC822
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U17403.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

19) methyl tert butyl ether
1.292 1.056 1.227 1.131 1.263 1.238 1.191 1.153 1.245 1.200 6.21
20) acrylonitrile
0.160 0.107 0.159 0.165 0.162 0.145 0.163 0.152 13.72
21) allyl chloride
0.756 0.712 0.749 0.737 0.708 0.778 0.800 0.749 4.43
22) trans-1,2-dichloroethene
0.534 0.466 0.379 0.321 0.335 0.342 0.328 0.360 0.403 0.385 18.67
23) iodomethane
0.654 0.604 0.658 0.650 0.637 0.660 0.738 0.657 6.16
24) carbon disulfide
1.051 0.894 0.930 0.950 0.931 1.013 1.102 0.982 7.68
25) propionitrile
0.046 0.048 0.050 0.053 0.050 0.053 0.053 0.050 5.62
26) vinyl acetate
0.892 0.939 0.981 0.999 0.999 0.933 1.002 0.963 4.46
27) chloroprene
1.049 0.942 0.956 0.981 0.931 1.007 1.152 1.002 7.71
28) di-isopropyl ether
1.562 1.704 1.569 1.709 1.642 1.570 1.617 1.779 1.644 4.85
29) methacrylonitrile
0.302 0.297 0.326 0.323 0.313 0.333 0.336 0.318 4.77
30) 2-butanone
0.045 0.040 0.054 0.056 0.052 0.045 0.057 0.050# 13.45
31) Ethyl Acetate
1.750 1.487 1.614 1.598 1.501 1.641 1.813 1.629 7.36
32) Hexane
1.004 0.917 0.931 0.935 0.894 0.984 1.109 0.968 7.54
33) 1,1-dichloroethane
0.948 0.592 0.820 0.740 0.787 0.771 0.748 0.779 0.887 0.786 12.64
34) tert-butyl ethyl ether
1.364 1.487 1.415 1.562 1.512 1.477 1.480 1.495 1.474 4.09
35) isobutyl alcohol
0.064 0.063 0.064 0.063 0.062 0.064 0.075 0.065 6.97
36) 2,2-dichloropropane
0.585 0.503 0.533 0.481 0.412 0.575 0.685 0.539 16.17
37) cis-1,2-dichloroethene
0.468 0.367 0.443 0.374 0.398 0.380 0.367 0.410 0.455 0.407 9.74
38) bromochloromethane
0.202 0.204 0.216 0.213 0.206 0.203 0.219 0.209 3.25
39) chloroform
0.747 0.796 0.890 0.806 0.877 0.846 0.808 0.888 0.948 0.845 7.31
40) dibromofluoromethane (s)
0.438 0.407 0.424 0.421 0.407 0.429 0.423 0.421 2.67
41) Tetrahydrofuran
0.162 0.127 0.139 0.139 0.131 0.135 0.158 0.141 9.53
42) 1,1,1-trichloroethane
0.798 0.765 0.894 0.825 0.841 0.853 0.767 0.919 1.021 0.854 9.56

43) I 1,4-difluorobenzene ----------ISTD----------
44) Cyclohexane
0.597 0.583 0.557 0.605 0.576 0.651 0.646 0.602 5.84
45) carbon tetrachloride
0.584 0.618 0.661 0.642 0.647 0.662 0.617 0.673 0.729 0.648 6.32
46) 1,1-dichloropropene
0.439 0.400 0.407 0.424 0.409 0.435 0.456 0.424 4.78
47) benzene
1.035 1.078 1.039 0.982 1.054 1.043 1.000 1.055 1.032 1.112 1.043 3.48
48) 1,2-dichloroethane
0.736 0.745 0.750 0.694 0.758 0.724 0.677 0.790 0.770 0.738 4.81

Initial Calibration Summary

Job Number: MC27769 **Sample:** MSU822-ICC822
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U17403.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
49)  tert-amyl methyl ether
               0.798 0.868 0.829 0.911 0.860 0.830       0.872 0.871  0.855    4.06
50)  heptane
                     0.570 0.519 0.516 0.560 0.549       0.593 0.627  0.562    7.03
51)  trichloroethene
           0.349 0.323 0.395 0.341 0.349 0.350 0.327 0.268 0.371 0.389  0.346   10.51
52)  1,2-dichloropropane
               0.292 0.281 0.286 0.289 0.293 0.287       0.281 0.313  0.290    3.56
53)  dibromomethane
               0.237 0.218 0.223 0.228 0.222 0.212       0.221 0.236  0.225    3.80
54)  bromodichloromethane
           0.441 0.546 0.524 0.504 0.536 0.523 0.506       0.522 0.554  0.517    6.41
55)  Methylcyclohexane
                     0.513 0.449 0.451 0.477 0.453       0.499 0.489  0.476    5.44
56)  2-chloroethyl vinyl ether
                     0.014 0.024 0.025 0.026 0.025       0.021 0.013  0.021#  25.20
            ---- Linear regression ----  Coefficient =  0.9999
              Response Ratio = -0.00160 + 0.02565 *A

57)  methyl methacrylate
                     0.158 0.154 0.169 0.174 0.170       0.146 0.148  0.160    7.22
58)  1,4-dioxane
                           0.001 0.001 0.002 0.002       0.001        0.001#  29.05
            ---- Linear regression ----  Coefficient =  0.9994
              Response Ratio = -0.00326 + 0.00178 *A

59)  cis-1,3-dichloropropene
           0.461 0.488 0.461 0.471 0.504 0.510 0.493 0.259 0.487 0.507  0.464   15.97
60)  toluene-d8 (s)
           1.285 1.147 1.035 1.007 1.049 1.038 1.002 1.548 0.991 0.976  1.108   16.27
61)  4-methyl-2-pentanone
                     0.328 0.357 0.390 0.386 0.372       0.362 0.403  0.371    6.71
62)  toluene
           0.629 0.578 0.696 0.634 0.679 0.676 0.655       0.684 0.717  0.661    6.35
63)  trans-1,3-dichloropropene
           0.513 0.478 0.464 0.466 0.508 0.511 0.490 0.572 0.474 0.481  0.496    6.56
64)  1,1,2-trichloroethane
           0.171 0.209 0.187 0.190 0.196 0.198 0.196       0.193 0.207  0.194    5.75
65)  ethyl methacrylate
                     0.260 0.300 0.334 0.342 0.333       0.305 0.330  0.315    9.11

66) I   chlorobenzene-d5      ----------------ISTD---------------------
67)  tetrachloroethene
           0.845 0.685 0.710 0.705 0.697 0.732 0.706 0.864 0.760 0.834  0.754    9.06
68)  1,3-dichloropropane
                     0.742 0.756 0.808 0.811 0.792       0.753 0.817  0.783    4.02
69)  dibromochloromethane
           0.752 0.792 0.731 0.727 0.780 0.772 0.753 0.683 0.726 0.776  0.749    4.41
70)  1,2-dibromoethane
               0.439 0.565 0.503 0.544 0.554 0.541       0.518 0.584  0.531    8.47
71)  2-hexanone
                     0.540 0.539 0.656 0.615 0.562       0.641 0.691  0.606    9.96
72)  chlorobenzene
           1.790 1.600 1.756 1.536 1.622 1.648 1.616       1.651 1.747  1.663    5.04
73)  1,1,1,2-tetrachloroethane
               0.643 0.707 0.715 0.741 0.724 0.697       0.709 0.784  0.715    5.59
74)  ethylbenzene
           3.033 2.738 2.773 2.604 2.645 2.736 2.695       2.657 2.985  2.763    5.42
75)  m,p-xylene
           1.128 0.959 1.065 1.007 1.027 1.055 1.055 0.873 1.022 1.176  1.037    8.08
```

Initial Calibration Summary

Job Number: MC27769 **Sample:** MSU822-ICC822
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U17403.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

76) o-xylene
1.039 1.088 1.130 1.037 1.081 1.088 1.061 0.866 1.058 1.172 1.062 7.55
77) styrene
1.622 1.656 1.709 1.714 1.744 1.680 1.816 1.706 3.70
78) bromoform
0.517 0.596 0.645 0.633 0.670 0.680 0.682 0.640 0.710 0.641 8.92
79) trans-1,4-dichloro-2-butene
0.251 0.342 0.363 0.374 0.379 0.312 0.345 0.338 13.14

80) I 1,4-dichlorobenzene-d ----------ISTD----------
81) isopropylbenzene
2.701 2.406 2.540 2.430 2.454 2.685 2.709 2.561 5.28
82) bromofluorobenzene (s)
0.773 0.834 0.755 0.777 0.730 0.754 0.780 0.737 0.767 4.24
83) bromobenzene
0.813 0.756 0.792 0.734 0.754 0.790 0.840 0.783 4.74
84) 1,1,2,2-tetrachloroethane
0.536 0.551 0.465 0.470 0.471 0.464 0.504 0.500 0.505 0.497 0.496 6.03
85) 1,2,3-trichloropropane
0.704 0.650 0.721 0.680 0.710 0.691 0.709 0.695 3.47
86) n-propylbenzene
3.239 2.833 2.919 2.855 2.914 3.130 3.272 3.023 6.15
87) 2-chlorotoluene
1.992 1.771 1.877 1.802 1.851 1.953 2.023 1.895 5.06
88) 4-chlorotoluene
2.081 1.865 2.016 1.901 1.971 2.036 2.117 1.998 4.60
89) 1,3,5-trimethylbenzene
2.432 2.225 2.348 2.294 2.280 2.453 2.409 2.349 3.66
90) tert-butylbenzene
1.606 1.462 1.548 1.517 1.505 1.666 1.651 1.565 4.97
91) 1,2,4-trimethylbenzene
2.417 2.228 2.400 2.285 2.296 2.397 2.497 2.360 3.95
92) sec-butylbenzene
3.032 2.731 2.816 2.789 2.731 3.052 3.038 2.884 5.19
93) 1,3-dichlorobenzene
1.653 1.457 1.494 1.444 1.567 1.493 1.486 1.541 1.622 1.528 4.76
94) p-isopropyltoluene
2.578 2.396 2.579 2.524 2.464 2.584 2.616 2.534 3.10
95) 1,4-dichlorobenzene
1.752 1.473 1.640 1.433 1.559 1.485 1.490 1.527 1.653 1.557 6.70
96) 1,2-dichlorobenzene
1.611 1.403 1.467 1.405 1.584 1.485 1.463 1.481 1.581 1.498 5.12
97) n-butylbenzene
2.298 2.151 2.320 2.305 2.189 2.340 2.309 2.273 3.20
98) 1,2-dibromo-3-chloropropane
0.200 0.171 0.179 0.169 0.173 0.174 0.202 0.181 7.69
99) 1,3,5-trichlorobenzene
1.154 1.243 1.114 1.290 1.164 1.117 1.167 1.136 1.173 5.30
100) 1,2,4-trichlorobenzene
1.080 1.147 1.069 1.275 1.101 1.125 1.086 1.018 1.113 6.84
101) hexachlorobutadiene
0.865 0.598 0.677 0.582 0.581 0.693 0.695 0.670 14.92
102) naphthalene
2.086 2.010 2.331 2.049 2.097 2.007 2.016 2.085 5.48
103) 2-Methylnaphthalene
0.939 0.879 1.127 0.923 1.156 0.818 0.848 0.956 14.00
104) 1-Methylnaphthalene
0.822 0.666 0.828 0.680 0.849 0.617 0.646 0.730 13.55
105) 1,2,3-trichlorobenzene
1.063 0.933 1.127 0.944 1.014 0.934 0.949 0.995 7.65

Initial Calibration Summary

Job Number: MC27769 **Sample:** MSU822-ICC822
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U17403.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

```
--------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          U140117W.m        Mon Jan 20 16:04:47 2014
```

Initial Calibration Verification

Job Number: MC27769 **Sample:** MSU822-ICV822
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U17410.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : D:\msdchem\1\data\U140117\U17410.D Vial: 17
Acq On : 17 Jan 2014 5:52 pm Operator: garyk
Sample : icv822-50 Inst : MSU
Misc : ms30913,msu822,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\msdchem\1\methods\U140117W.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Jan 20 09:19:28 2014
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	500.000	500.000	0.0	120	-0.08	6.54
2	P	tertiary butyl alcohol	500.000	546.064	-9.2	126	0.00	6.26
3	P	Ethanol	5000.000	6398.195	-28.0	215	0.11	5.53
4	I	pentafluorobenzene	50.000	50.000	0.0	109	0.00	8.96
5	P	dichlorodifluoromethane	50.000	52.945	-5.9	115	0.00	4.25
6	P	chloromethane	50.000	54.854	-9.7	122	0.00	4.49
7	P	vinyl chloride	50.000	53.304	-6.6	119	0.00	4.74
8	P	bromomethane	50.000	51.396	-2.8	116	0.00	5.22
9	P	chloroethane	50.000	60.345	-20.7	133	0.00	5.38
10	P	ethyl ether	50.000	53.949	-7.9	126	0.00	6.26
11	P	acetonitrile	50.000	48.436	3.1	114	0.00	5.92
12	P	trichlorofluoromethane	50.000	52.733	-5.5	114	0.00	6.04
13	P	freon-113	50.000	53.956	-7.9	129	0.00	6.80
		----------	Amount	Calc.	%Drift		----------	
14	P	acrolein	250.000	377.48	-50.9	36	0.00	6.01
		----------	Amount	Calc.	%Drift		----------	
15	P	1,1-dichloroethene	50.000	52.442	-4.9	124	0.00	6.60
16	P	acetone	50.000	60.016	-20.0	195	0.00	6.15
17	P	Methyl Acetate	50.000	35.141	29.7	98	0.00	6.78
18	P	methylene chloride	50.000	52.432	-4.9	121	0.00	6.75
19	P	methyl tert butyl ether	50.000	49.479	1.0	114	0.00	7.54
20	P	acrylonitrile	50.000	57.310	-14.6	353	0.00	6.66
21	P	allyl chloride	50.000	52.903	-5.8	121	0.00	6.84
22	P	trans-1,2-dichloroethene	50.000	49.446	1.1	129	0.00	7.44
23	P	iodomethane	50.000	48.316	3.4	114	0.00	6.66
24	P	carbon disulfide	50.000	50.242	-0.5	120	0.00	7.03
25	P	propionitrile	50.000	55.339	-10.7	125	0.00	8.07
26	P	vinyl acetate	50.000	50.797	-1.6	113	0.00	7.80
27	P	chloroprene	50.000	52.211	-4.4	121	0.00	8.07
28	P	di-isopropyl ether	50.000	50.224	-0.4	114	0.00	8.11
29	P	methacrylonitrile	50.000	51.443	-2.9	120	0.00	8.22
30	P	2-butanone	50.000	63.236	-26.5	173	0.00	8.12
31	P	Ethyl Acetate	50.000	50.291	-0.6	120	0.00	8.10
32	P	Hexane	50.000	48.219	3.6	111	0.00	8.09
33	P	1,1-dichloroethane	50.000	52.174	-4.3	120	0.00	7.70
34	P	tert-butyl ethyl ether	50.000	51.969	-3.9	118	0.00	8.50
35	P	isobutyl alcohol	250.000	255.529	-2.2	114	0.00	8.52
36	P	2,2-dichloropropane	50.000	55.082	-10.2	128	0.00	8.56
37	P	cis-1,2-dichloroethene	50.000	51.268	-2.5	121	0.00	8.27

Initial Calibration Verification

Job Number: MC27769 **Sample:** MSU822-ICV822
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U17410.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

38	P	bromochloromethane	50.000	52.304	-4.6	117	0.00	8.44
39	P	chloroform	50.000	50.682	-1.4	115	0.00	8.48
40	S	dibromofluoromethane (s)	50.000	49.269	1.5	111	0.00	8.60
41	P	Tetrahydrofuran	50.000	45.516	9.0	110	0.00	8.82
42	P	1,1,1-trichloroethane	50.000	50.303	-0.6	113	0.00	9.23
43	I	1,4-difluorobenzene	50.000	50.000	0.0	110	0.00	9.84
44	P	Cyclohexane	50.000	47.518	5.0	108	0.00	9.52
45	P	carbon tetrachloride	50.000	51.607	-3.2	115	0.00	9.60
46	P	1,1-dichloropropene	50.000	51.283	-2.6	120	0.00	9.41
47	P	benzene	50.000	51.045	-2.1	120	0.00	9.63
48	P	1,2-dichloroethane	50.000	49.241	1.5	116	0.00	9.13
49	P	tert-amyl methyl ether	50.000	50.068	-0.1	114	0.00	9.76
50	P	heptane	50.000	49.130	1.7	117	0.00	10.12
51	P	trichloroethene	50.000	52.215	-4.4	117	0.00	10.26
52	P	1,2-dichloropropane	50.000	49.380	1.2	111	0.00	10.22
53	P	dibromomethane	50.000	49.044	1.9	109	0.00	10.20
54	P	bromodichloromethane	50.000	51.121	-2.2	116	0.00	10.31
55	P	Methylcyclohexane	50.000	49.834	0.3	117	0.00	10.78
56	P	2-chloroethyl vinyl ether	50.000	358.440	-616.9#	828	0.00	10.69
57	P	methyl methacrylate	50.000	49.357	1.3	113	0.00	10.41
58	P	1,4-dioxane	250.000	267.904	-7.2	146	0.01	10.44
59	P	cis-1,3-dichloropropene	50.000	53.175	-6.3	116	0.00	10.93
60	S	toluene-d8 (s)	50.000	45.930	8.1	112	0.00	11.64
61	P	4-methyl-2-pentanone	50.000	50.839	-1.7	117	0.00	11.04
62	P	toluene	50.000	52.453	-4.9	121	0.00	11.71
63	P	trans-1,3-dichloropropene	50.000	51.704	-3.4	122	0.00	11.36
64	P	1,1,2-trichloroethane	50.000	51.659	-3.3	117	0.00	11.53
65	P	ethyl methacrylate	50.000	53.094	-6.2	123	0.00	11.74
66	I	chlorobenzene-d5	50.000	50.000	0.0	112	0.00	13.11
67	P	tetrachloroethene	50.000	49.792	0.4	120	0.00	12.46
68	P	1,3-dichloropropane	50.000	49.895	0.2	116	0.00	11.77
69	P	dibromochloromethane	50.000	50.411	-0.8	117	0.00	12.06
70	P	1,2-dibromoethane	50.000	50.922	-1.8	121	0.00	12.31
71	P	2-hexanone	50.000	62.277	-24.6	157	0.00	11.90
72	P	chlorobenzene	50.000	47.462	5.1	115	0.00	13.14
73	P	1,1,1,2-tetrachloroethane	50.000	53.189	-6.4	120	0.00	13.06
74	P	ethylbenzene	50.000	49.814	0.4	119	0.00	13.32
75	P	m,p-xylene	100.000	101.195	-1.2	117	0.00	13.50
76	P	o-xylene	50.000	50.097	-0.2	115	0.00	13.91
77	P	styrene	50.000	50.851	-1.7	118	0.00	13.84
78	P	bromoform	50.000	50.578	-1.2	115	0.00	13.67
79	P	trans-1,4-dichloro-2-bute	50.000	48.023	4.0	107	0.00	14.07
80	I	1,4-dichlorobenzene-d4	50.000	50.000	0.0	110	0.00	15.67
81	P	isopropylbenzene	50.000	50.353	-0.7	118	0.00	14.28
82	S	bromofluorobenzene (s)	50.000	48.809	2.4	109	0.00	14.33
83	P	bromobenzene	50.000	49.285	1.4	112	0.00	14.57
84	P	1,1,2,2-tetrachloroethane	50.000	50.584	-1.2	118	0.00	13.92
85	P	1,2,3-trichloropropane	50.000	50.922	-1.8	120	0.00	14.07
86	P	n-propylbenzene	50.000	47.633	4.7	112	0.00	14.73
87	P	2-chlorotoluene	50.000	48.823	2.4	115	0.00	14.84
88	P	4-chlorotoluene	50.000	49.832	0.3	117	0.00	14.92
89	P	1,3,5-trimethylbenzene	50.000	50.503	-1.0	117	0.00	15.00
90	P	tert-butylbenzene	50.000	48.832	2.3	115	0.00	15.31
91	P	1,2,4-trimethylbenzene	50.000	49.786	0.4	116	0.00	15.41
92	P	sec-butylbenzene	50.000	50.296	-0.6	117	0.00	15.53
93	P	1,3-dichlorobenzene	50.000	50.688	-1.4	118	0.00	15.63
94	P	p-isopropyltoluene	50.000	52.214	-4.4	122	0.00	15.70

Initial Calibration Verification

Job Number: MC27769 **Sample:** MSU822-ICV822
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U17410.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

95	P	1,4-dichlorobenzene	50.000	49.842	0.3	119	0.00	15.70
96	P	1,2-dichlorobenzene	50.000	49.948	0.1	117	0.00	16.07
97	P	n-butylbenzene	50.000	52.840	-5.7	123	0.00	16.12
98	P	1,2-dibromo-3-chloropropa	50.000	50.096	-0.2	117	0.00	16.55
99	P	1,3,5-trichlorobenzene	50.000	55.653	-11.3	129	0.00	17.36
100	P	1,2,4-trichlorobenzene	50.000	57.249	-14.5	131	0.00	17.90
101	P	hexachlorobutadiene	50.000	54.557	-9.1	135	0.00	18.19
102	P	naphthalene	50.000	56.261	-12.5	128	0.00	18.17
103	P	2-Methylnaphthalene	25.000	32.637	-30.5#	156	0.00	19.54
104	P	1-Methylnaphthalene	25.000	34.769	-39.1#	168	0.00	19.78
105	P	1,2,3-trichlorobenzene	50.000	56.843	-13.7	133	0.00	18.37

(#) = Out of Range SPCC's out = 0 CCC's out = 0
U17403.D U140117W.m Mon Jan 20 09:56:33 2014

Continuing Calibration Summary

Job Number: MC27769 **Sample:** MSU825-CC822
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U17442.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : D:\msdchem\1\data\U140121\U17442.D Vial: 2
Acq On : 21 Jan 2014 8:34 am Operator: garyk
Sample : cc822-50 Inst : MSU
Misc : ms30990,msu825,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\msdchem\1\methods\U140117W.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Jan 20 09:19:28 2014
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	151	-0.09	6.53
2	P	tertiary butyl alcohol	1.169	1.018	12.9	126	0.00	6.25
			Amount	Calc.	%Drift			
3	P	Ethanol	5000.000	5517.878	-10.4	232	0.11	5.54
			AvgRF	CCRF	%Dev			
4	I	pentafluorobenzene	1.000	1.000	0.0	113	0.00	8.96
5	P	dichlorodifluoromethane	0.541	0.578	-6.8	121	0.00	4.25
6	P	chloromethane	0.621	0.673	-8.4	126	0.00	4.49
7	P	vinyl chloride	0.444	0.479	-7.9	126	0.00	4.73
8	P	bromomethane	0.249	0.265	-6.4	125	0.00	5.22
9	P	chloroethane	0.181	0.193	-6.6	122	0.00	5.38
10	P	ethyl ether	0.334	0.346	-3.6	126	0.00	6.25
11	P	acetonitrile	0.183	0.195	-6.6	131	0.00	5.92
12	P	trichlorofluoromethane	0.866	0.940	-8.5	122	0.00	6.05
13	P	freon-113	0.363	0.382	-5.2	131	0.00	6.80
			Amount	Calc.	%Drift			
14	P	acrolein	250.000	380.893	-52.4#	183	0.00	6.01
			AvgRF	CCRF	%Dev			
15	P	1,1-dichloroethene	0.316	0.323	-2.2	126	0.00	6.60
			Amount	Calc.	%Drift			
16	P	acetone	50.000	65.850	-31.7#	224	0.00	6.14
			AvgRF	CCRF	%Dev			
17	P	Methyl Acetate	0.594	0.646	-8.8	159	0.00	6.78
18	P	methylene chloride	0.343	0.371	-8.2	130	0.00	6.75
19	P	methyl tert butyl ether	1.200	1.251	-4.2	125	0.00	7.54
20	P	acrylonitrile	0.152	0.176	-15.8	186	0.00	6.66
21	P	allyl chloride	0.749	0.761	-1.6	121	0.00	6.84
22	P	trans-1,2-dichloroethene	0.385	0.351	8.8	124	0.00	7.44
23	P	iodomethane	0.657	0.679	-3.3	127	0.00	6.66
24	P	carbon disulfide	0.982	1.055	-7.4	133	0.00	7.03
25	P	propionitrile	0.050	0.052	-4.0	123	0.00	8.07
26	P	vinyl acetate	0.963	1.015	-5.4	122	0.00	7.80
27	P	chloroprene	1.002	0.997	0.5	120	0.00	8.06
28	P	di-isopropyl ether	1.644	1.689	-2.7	122	0.00	8.10
29	P	methacrylonitrile	0.318	0.342	-7.5	130	0.00	8.22

Continuing Calibration Summary

Job Number: MC27769 **Sample:** MSU825-CC822
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U17442.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

30	P	2-butanone	0.050	0.063#	-26.0#	180	0.00	8.11
31	P	Ethyl Acetate	1.629	1.721	-5.6	131	0.00	8.10
32	P	Hexane	0.968	0.982	-1.4	121	0.00	8.09
33	P	1,1-dichloroethane	0.786	0.798	-1.5	122	0.00	7.70
34	P	tert-butyl ethyl ether	1.474	1.569	-6.4	125	0.00	8.50
35	P	isobutyl alcohol	0.065	0.060	7.7	108	0.00	8.51
36	P	2,2-dichloropropane	0.539	0.578	-7.2	130	0.00	8.56
37	P	cis-1,2-dichloroethene	0.407	0.411	-1.0	124	0.00	8.27
38	P	bromochloromethane	0.209	0.213	-1.9	118	0.00	8.44
39	P	chloroform	0.845	0.875	-3.6	123	0.00	8.48
40	S	dibromofluoromethane (s)	0.421	0.461	-9.5	128	0.00	8.60
41	P	Tetrahydrofuran	0.141	0.147	-4.3	132	-0.01	8.81
42	P	1,1,1-trichloroethane	0.854	0.868	-1.6	119	0.00	9.23
43	I	1,4-difluorobenzene	1.000	1.000	0.0	118	0.00	9.84
44	P	Cyclohexane	0.602	0.624	-3.7	126	0.00	9.52
45	P	carbon tetrachloride	0.648	0.649	-0.2	119	0.00	9.60
46	P	1,1-dichloropropene	0.424	0.430	-1.4	127	0.00	9.41
47	P	benzene	1.043	1.050	-0.7	126	0.00	9.63
48	P	1,2-dichloroethane	0.738	0.693	6.1	118	0.00	9.13
49	P	tert-amyl methyl ether	0.855	0.857	-0.2	122	0.00	9.75
50	P	heptane	0.562	0.602	-7.1	137	0.00	10.12
51	P	trichloroethene	0.346	0.352	-1.7	122	0.00	10.26
52	P	1,2-dichloropropane	0.290	0.299	-3.1	123	0.00	10.22
53	P	dibromomethane	0.225	0.230	-2.2	122	0.00	10.20
54	P	bromodichloromethane	0.517	0.513	0.8	120	0.00	10.31
55	P	Methylcyclohexane	0.476	0.498	-4.6	131	0.00	10.78
			Amount	Calc.	%Drift			
56	P	2-chloroethyl vinyl ether	50.000	41.341	17.3	95	0.00	10.70
			AvgRF	CCRF	%Dev			
57	P	methyl methacrylate	0.160	0.159	0.6	122	0.00	10.41
			Amount	Calc.	%Drift			
58	P	1,4-dioxane	250.000	247.876	0.8	139	0.00	10.43
			AvgRF	CCRF	%Dev			
59	P	cis-1,3-dichloropropene	0.464	0.500	-7.8	125	0.00	10.93
60	S	toluene-d8 (s)	1.108	1.114	-0.5	131	0.00	11.64
61	P	4-methyl-2-pentanone	0.371	0.401	-8.1	133	0.00	11.04
62	P	toluene	0.661	0.662	-0.2	123	0.00	11.71
63	P	trans-1,3-dichloropropene	0.496	0.472	4.8	120	0.00	11.36
64	P	1,1,2-trichloroethane	0.194	0.191	1.5	118	0.00	11.53
65	P	ethyl methacrylate	0.315	0.324	-2.9	127	0.00	11.74
66	I	chlorobenzene-d5	1.000	1.000	0.0	119	0.00	13.10
67	P	tetrachloroethene	0.754	0.741	1.7	125	0.00	12.46
68	P	1,3-dichloropropane	0.783	0.777	0.8	122	0.00	11.77
69	P	dibromochloromethane	0.749	0.723	3.5	118	0.00	12.06
70	P	1,2-dibromoethane	0.531	0.524	1.3	124	0.00	12.31
71	P	2-hexanone	0.606	0.711	-17.3	157	-0.02	11.89
72	P	chlorobenzene	1.663	1.630	2.0	126	0.00	13.14
73	P	1,1,1,2-tetrachloroethane	0.715	0.710	0.7	118	0.00	13.06
74	P	ethylbenzene	2.763	2.663	3.6	122	0.00	13.32
75	P	m,p-xylene	1.037	1.022	1.4	121	0.00	13.50
76	P	o-xylene	1.062	1.051	1.0	120	0.00	13.91
77	P	styrene	1.706	1.612	5.5	116	0.00	13.84
78	P	bromoform	0.641	0.629	1.9	118	0.00	13.67
79	P	trans-1,4-dichloro-2-bute	0.338	0.295	12.7	103	0.00	14.07

Continuing Calibration Summary

Job Number: MC27769 **Sample:** MSU825-CC822
Account: WSPVAR WSP Environmental & Energy **Lab FileID:** U17442.D
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	118	0.00	15.67
81	P	isopropylbenzene	2.561	2.542	0.7	124	0.00	14.28
82	S	bromofluorobenzene (s)	0.767	0.780	-1.7	122	0.00	14.33
83	P	bromobenzene	0.783	0.754	3.7	117	0.00	14.57
84	P	1,1,2,2-tetrachloroethane	0.496	0.504	-1.6	126	0.00	13.92
85	P	1,2,3-trichloropropane	0.695	0.661	4.9	120	0.00	14.07
86	P	n-propylbenzene	3.023	2.953	2.3	123	0.00	14.72
87	P	2-chlorotoluene	1.895	1.842	2.8	122	0.00	14.84
88	P	4-chlorotoluene	1.998	1.921	3.9	121	0.00	14.92
89	P	1,3,5-trimethylbenzene	2.349	2.296	2.3	121	0.00	15.00
90	P	tert-butylbenzene	1.565	1.550	1.0	125	0.00	15.31
91	P	1,2,4-trimethylbenzene	2.360	2.296	2.7	121	0.00	15.41
92	P	sec-butylbenzene	2.884	2.898	-0.5	125	0.00	15.53
93	P	1,3-dichlorobenzene	1.528	1.479	3.2	121	0.00	15.63
94	P	p-isopropyltoluene	2.534	2.537	-0.1	125	0.00	15.70
95	P	1,4-dichlorobenzene	1.557	1.512	2.9	124	0.00	15.70
96	P	1,2-dichlorobenzene	1.498	1.507	-0.6	126	0.00	16.07
97	P	n-butylbenzene	2.273	2.329	-2.5	127	0.00	16.12
98	P	1,2-dibromo-3-chloropropa	0.181	0.176	2.8	121	0.00	16.55
99	P	1,3,5-trichlorobenzene	1.173	1.170	0.3	124	0.00	17.36
100	P	1,2,4-trichlorobenzene	1.113	1.140	-2.4	125	0.00	17.90
101	P	hexachlorobutadiene	0.670	0.701	-4.6	138	0.00	18.19
102	P	naphthalene	2.085	2.065	1.0	121	0.00	18.17
103	P	2-Methylnaphthalene	0.956	0.817	14.5	109	0.00	19.54
104	P	1-Methylnaphthalene	0.730	0.618	15.3	109	0.00	19.78
105	P	1,2,3-trichlorobenzene	0.995	0.943	5.2	119	0.00	18.38

(#) = Out of Range SPCC's out = 1 CCC's out = 0
U17403.D U140117W.m Wed Jan 22 09:25:10 2014

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17452.D
Acq On : 21 Jan 2014 1:08 pm
Operator : garyk
Sample : mc27769-1
Misc : ms30992,msu825,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 21 13:48:59 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

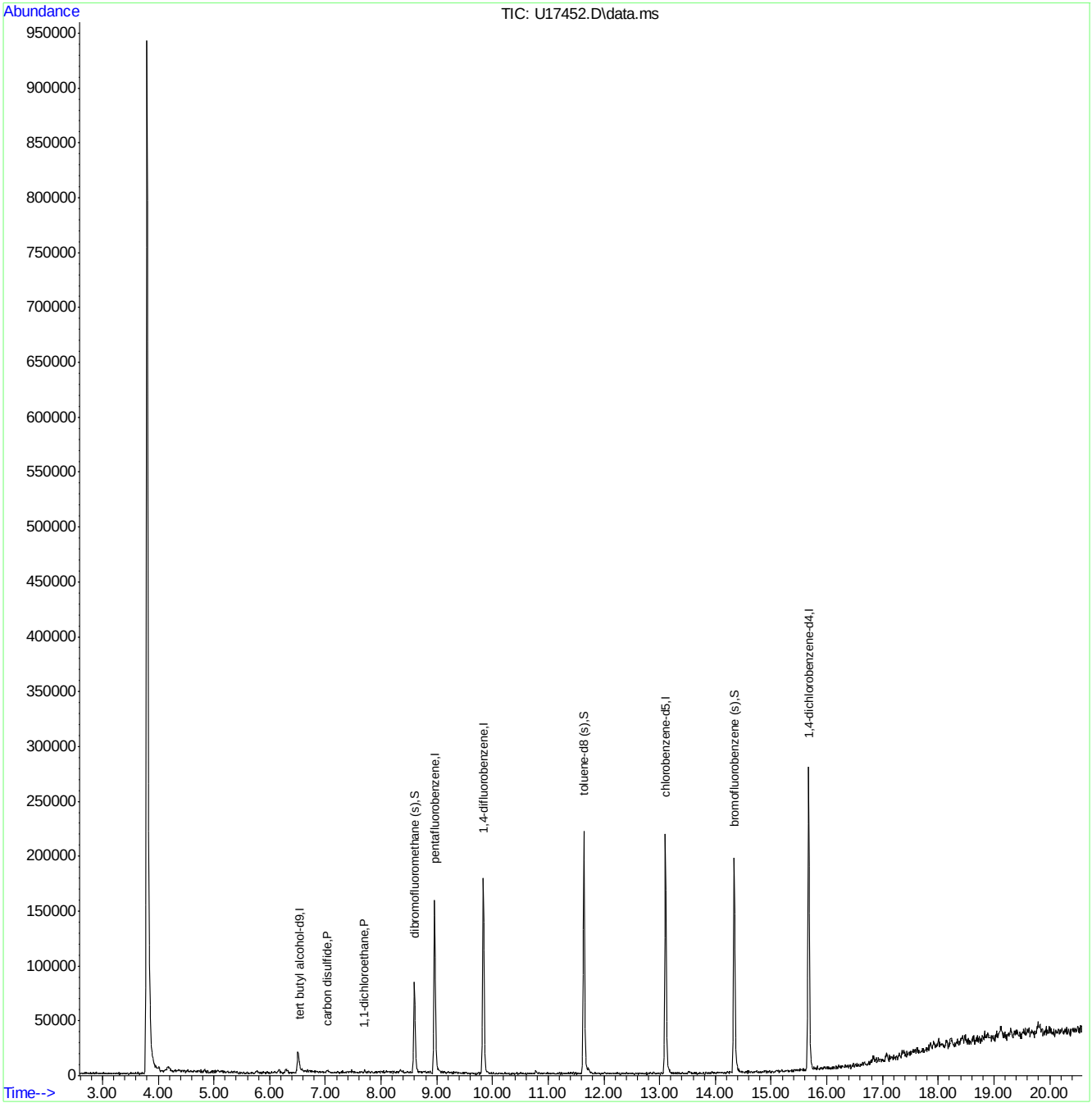
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.536	65	30348	500.00	ppb	-0.08
4) pentafluorobenzene	8.964	168	102955	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.837	114	126299	50.00	ppb	0.00
66) chlorobenzene-d5	13.108	82	64894	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.676	152	79151	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.599	113	46066	53.12	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.24%			
60) toluene-d8 (s)	11.644	98	139161	49.73	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.46%			
82) bromofluorobenzene (s)	14.340	95	61451	50.58	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.16%			
Target Compounds						Qvalue
24) carbon disulfide	7.030	76	2574	1.27	ppb	76
33) 1,1-dichloroethane	7.699	63	1060	0.66	ppb	52

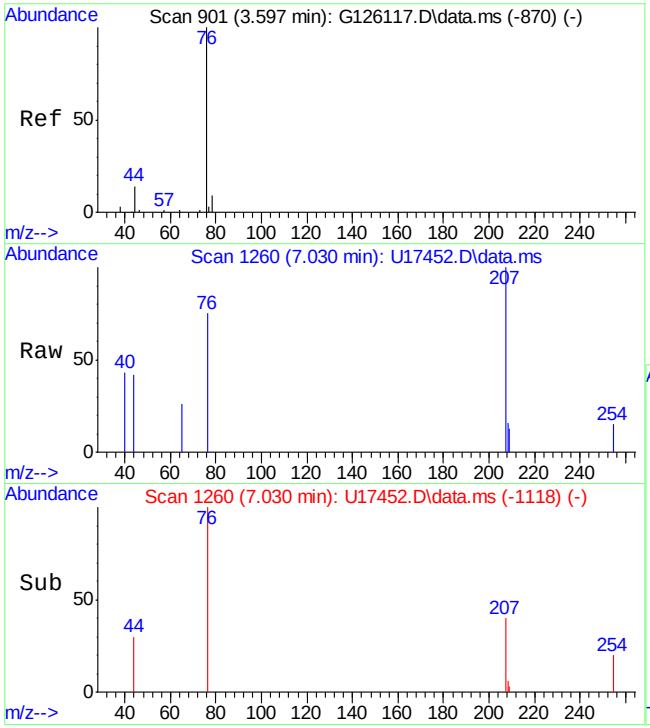
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17452.D
Acq On : 21 Jan 2014 1:08 pm
Operator : garyk
Sample : mc27769-1
Misc : ms30992,msu825,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 21 13:48:59 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

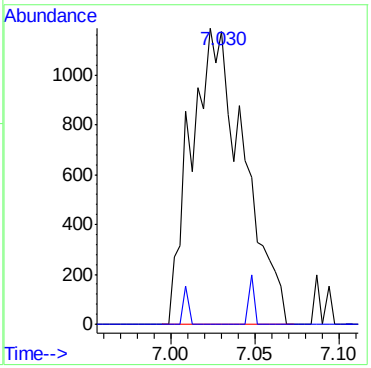


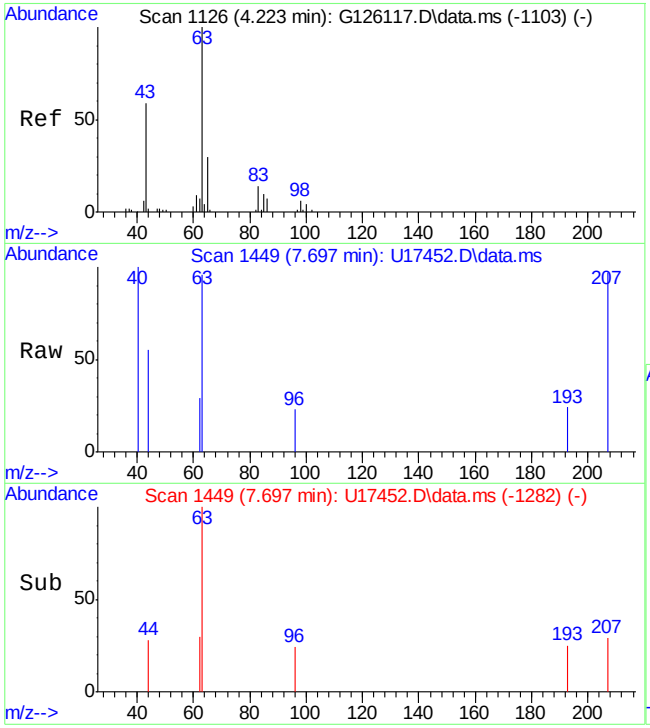


#24
carbon disulfide
Concen: 1.27 ppb
RT: 7.030 min Scan# 1260
Delta R.T. 0.001 min
Lab File: U17452.D
Acq: 21 Jan 2014 1:08 pm

Tgt Ion: 76 Resp: 2574

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	38.8

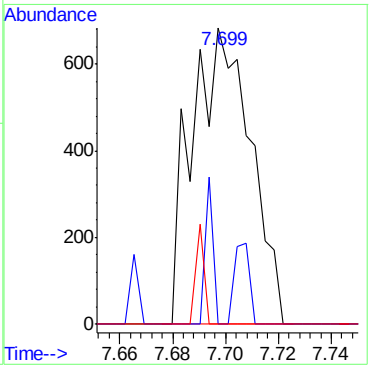




#33
1,1-dichloroethane
Concen: 0.66 ppb
RT: 7.699 min Scan# 1449
Delta R.T. 0.001 min
Lab File: U17452.D
Acq: 21 Jan 2014 1:08 pm

Tgt Ion: 63 Resp: 1060

Ion	Ratio	Lower	Upper
63	100		
65	0.0	0.0	59.7
83	0.0	0.0	41.8



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17452.D
Acq On : 21 Jan 2014 1:08 pm
Operator : garyk
Sample : mc27769-1
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U140117W.m
Title : SW-846 Method 8260

Signal : TIC: U17452.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.504	1098	1111	1143	rBV3	18720	56348	11.00%	2.069%
2	8.597	1688	1704	1738	rVB3	83263	174668	34.09%	6.415%
3	8.961	1783	1807	1853	rVB2	157625	320580	62.56%	11.774%
4	9.836	2033	2055	2103	rBV2	178912	349035	68.12%	12.819%
5	11.639	2528	2566	2613	rBV	221940	434433	84.78%	15.955%
6	13.104	2963	2981	3038	rVB2	218725	421341	82.23%	15.474%
7	14.335	3278	3330	3383	rBV4	196673	397297	77.53%	14.591%
8	15.673	3683	3709	3733	rBV	276896	512418	100.00%	18.819%
9	18.489	4473	4507	4533	rBV	10163	56731	11.07%	2.084%

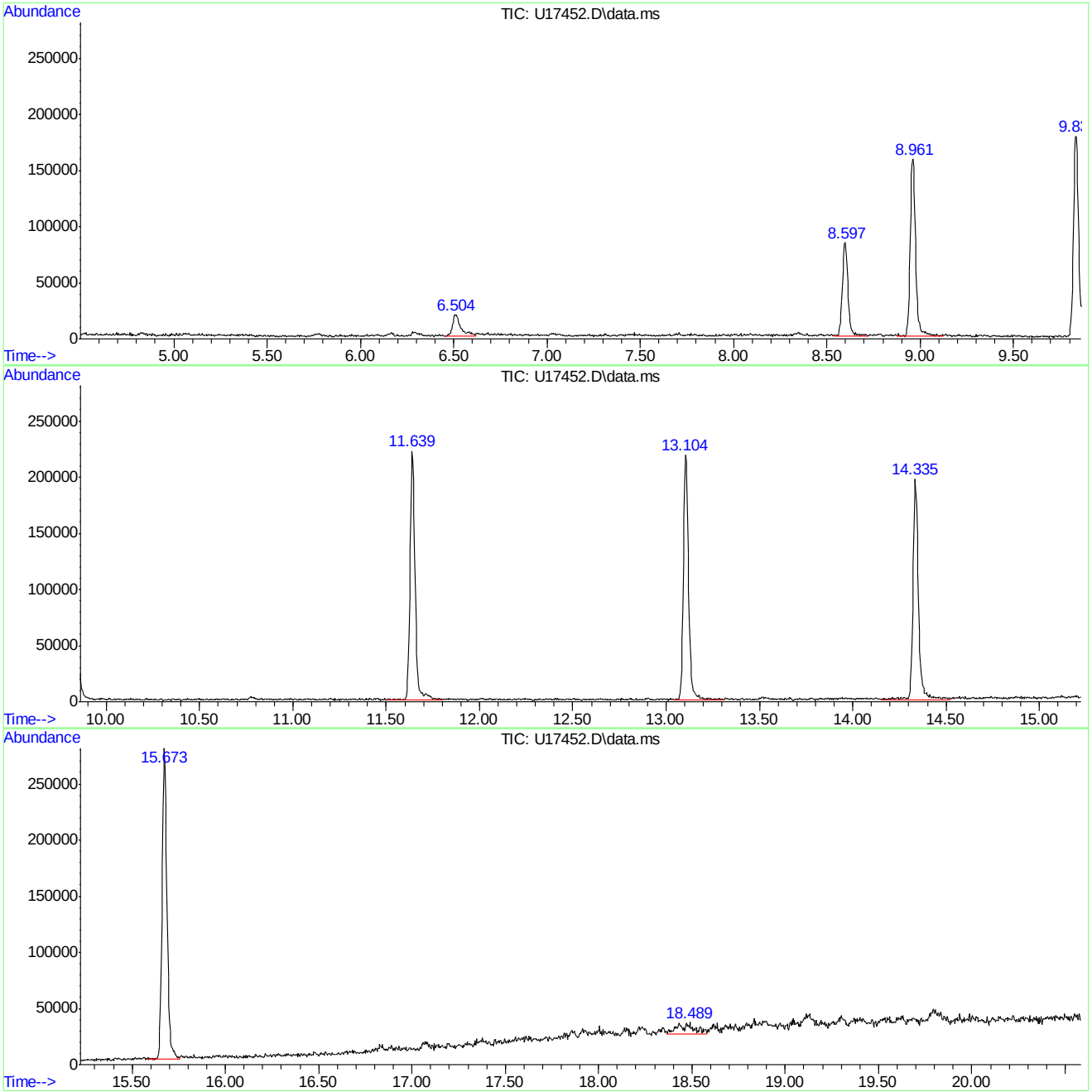
Sum of corrected areas: 2722851

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U140121\
Data File : U17452.D
Acq On : 21 Jan 2014 1:08 pm
Operator : garyk
Sample : mc27769-1
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17452.D
Acq On : 21 Jan 2014 1:08 pm
Operator : garyk
Sample : mc27769-1
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U140121\
Data File : U17452.D
Acq On : 21 Jan 2014 1:08 pm
Operator : garyk
Sample : mc27769-1
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17453.D
Acq On : 21 Jan 2014 1:35 pm
Operator : garyk
Sample : mc27769-2
Misc : ms30992,msu825,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 21 15:09:43 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

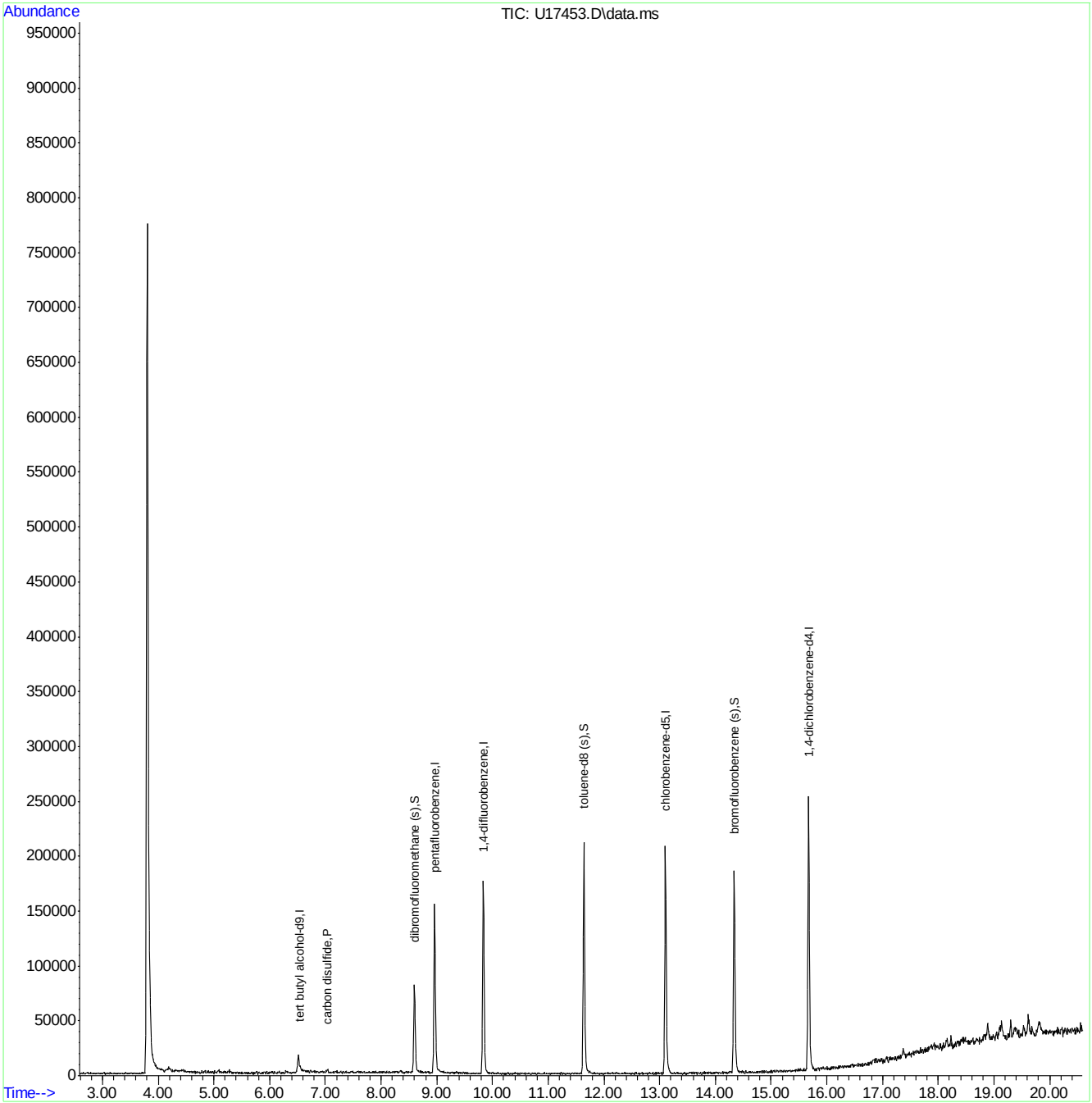
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.532	65	24796	500.00	ppb	-0.08
4) pentafluorobenzene	8.965	168	100073	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.838	114	122925	50.00	ppb	0.00
66) chlorobenzene-d5	13.109	82	62565	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.676	152	70631	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.601	113	44071	52.28	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.56%			
60) toluene-d8 (s)	11.643	98	134062	49.23	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.46%			
82) bromofluorobenzene (s)	14.340	95	58306	53.78	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.56%			
Target Compounds						Qvalue
24) carbon disulfide	7.040	76	2798	1.42	ppb	76

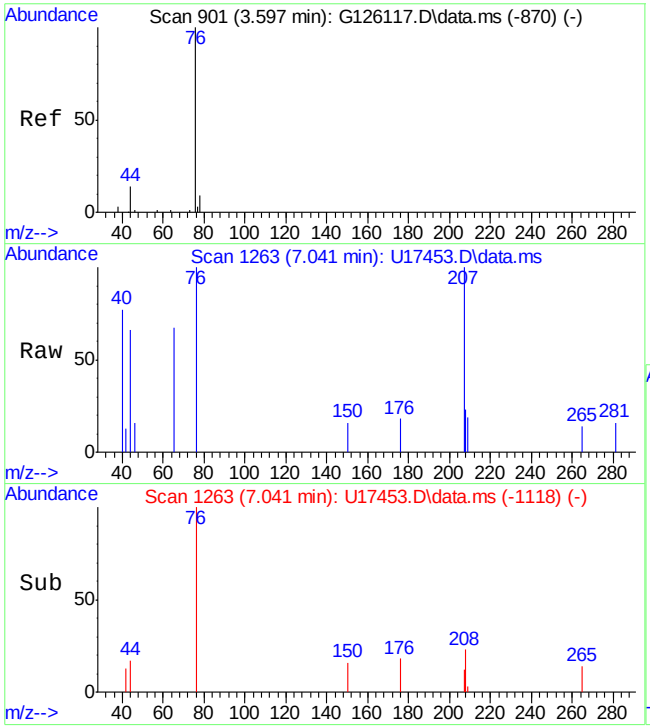
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17453.D
Acq On : 21 Jan 2014 1:35 pm
Operator : garyk
Sample : mc27769-2
Misc : ms30992,msu825,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 21 15:09:43 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

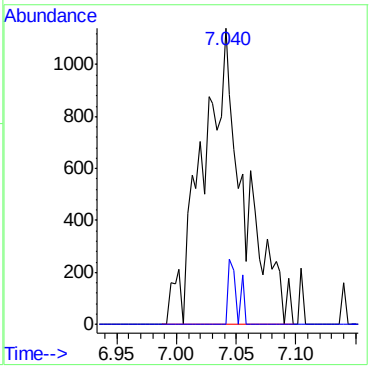




#24
carbon disulfide
Concen: 1.42 ppb
RT: 7.040 min Scan# 1263
Delta R.T. 0.011 min
Lab File: U17453.D
Acq: 21 Jan 2014 1:35 pm

Tgt Ion: 76 Resp: 2798

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	38.8



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17453.D
Acq On : 21 Jan 2014 1:35 pm
Operator : garyk
Sample : mc27769-2
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U140117W.m
Title : SW-846 Method 8260

Signal : TIC: U17453.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.515	1078	1114	1168	rBV2	17028	69650	14.19%	2.531%
2	8.597	1683	1704	1758	rVB3	80268	170211	34.67%	6.185%
3	8.957	1783	1806	1858	rBV	154336	310448	63.24%	11.282%
4	9.836	2023	2055	2088	rBV	175869	335981	68.44%	12.209%
5	11.639	2543	2566	2608	rVB2	211029	403541	82.20%	14.665%
6	13.104	2958	2981	3018	rBV2	207753	397614	80.99%	14.449%
7	14.335	3298	3330	3358	rBV3	184394	361491	73.64%	13.136%
8	15.673	3683	3709	3743	rVB2	250886	490921	100.00%	17.840%
9	18.884	4588	4619	4653	rBV2	17659	88186	17.96%	3.205%
10	19.135	4673	4690	4718	rBV2	16558	63463	12.93%	2.306%
11	19.812	4863	4882	4928	rBV2	11809	60309	12.28%	2.192%

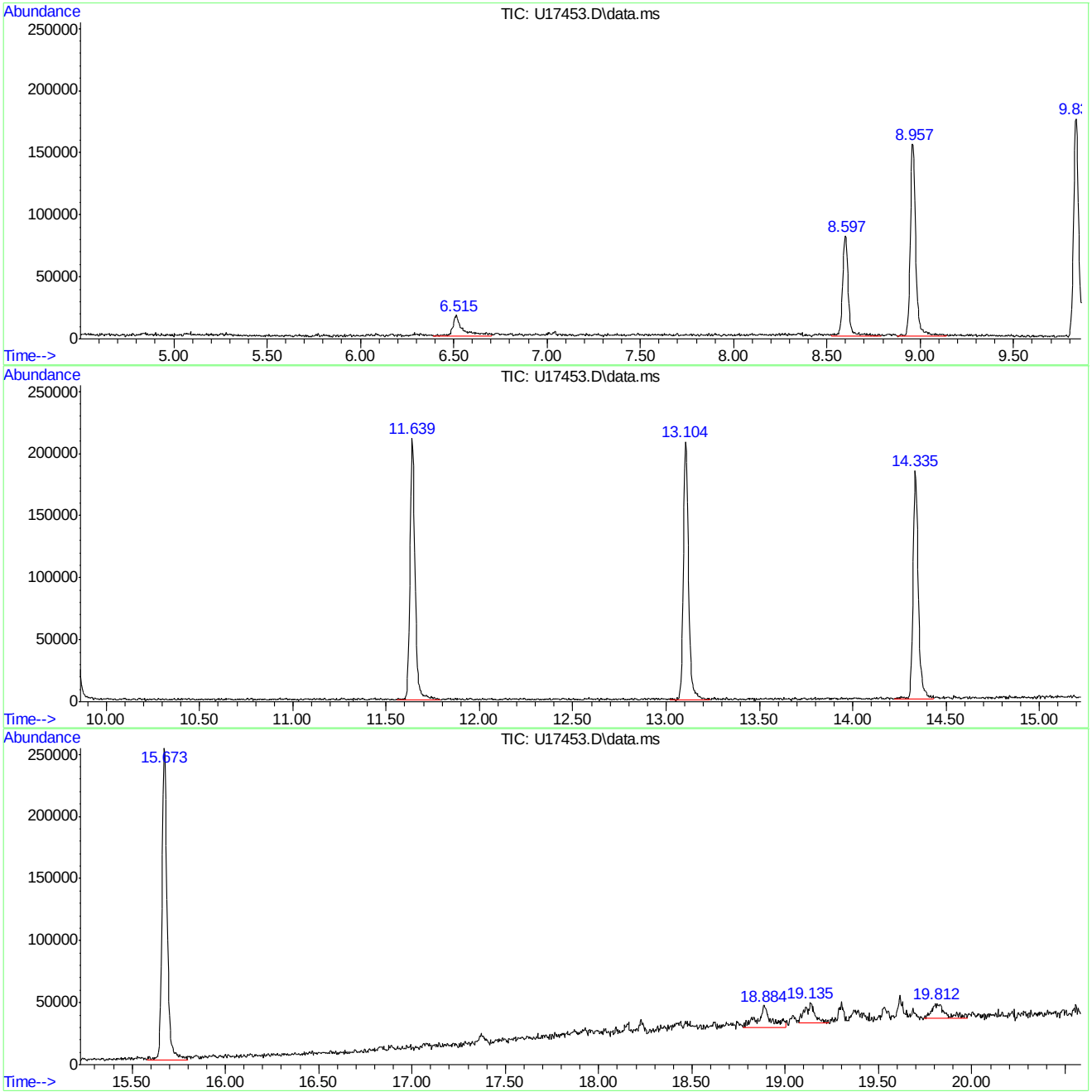
Sum of corrected areas: 2751815

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U140121\
Data File : U17453.D
Acq On : 21 Jan 2014 1:35 pm
Operator : garyk
Sample : mc27769-2
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17453.D
Acq On : 21 Jan 2014 1:35 pm
Operator : garyk
Sample : mc27769-2
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U140121\
Data File : U17453.D
Acq On : 21 Jan 2014 1:35 pm
Operator : garyk
Sample : mc27769-2
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17454.D
Acq On : 21 Jan 2014 2:03 pm
Operator : garyk
Sample : mc27769-3
Misc : ms30992,msu825,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 21 15:12:01 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

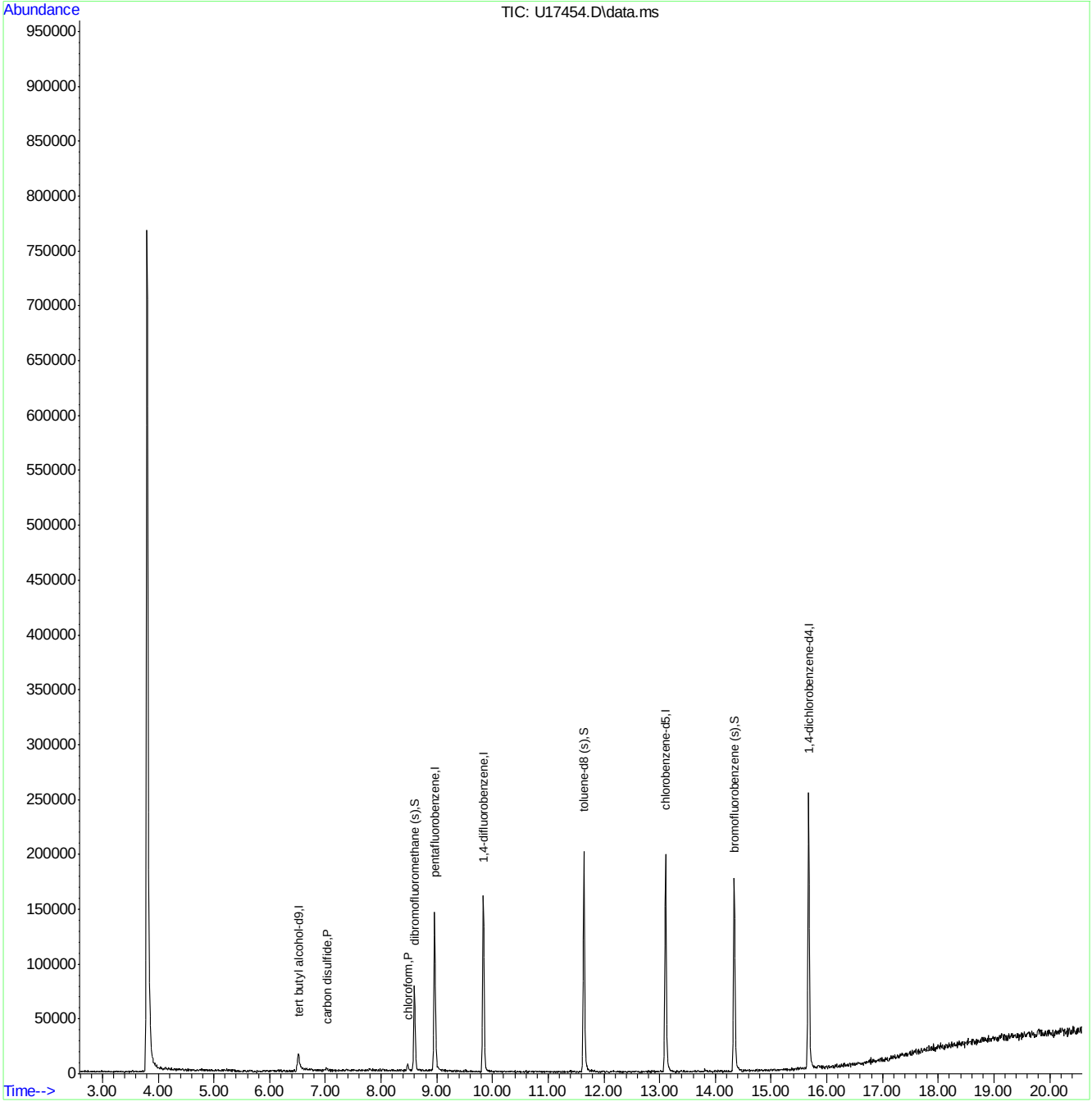
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.530	65	24600	500.00	ppb	-0.08
4) pentafluorobenzene	8.965	168	94488	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.838	114	117011	50.00	ppb	0.00
66) chlorobenzene-d5	13.108	82	59700	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.676	152	69909	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.599	113	41708	52.40	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.80%			
60) toluene-d8 (s)	11.644	98	129520	49.96	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.92%			
82) bromofluorobenzene (s)	14.341	95	57352	53.45	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.90%			
Target Compounds						Qvalue
24) carbon disulfide	7.034	76	3232	1.74	ppb	66
39) chloroform	8.477	83	3464	2.17	ppb	68

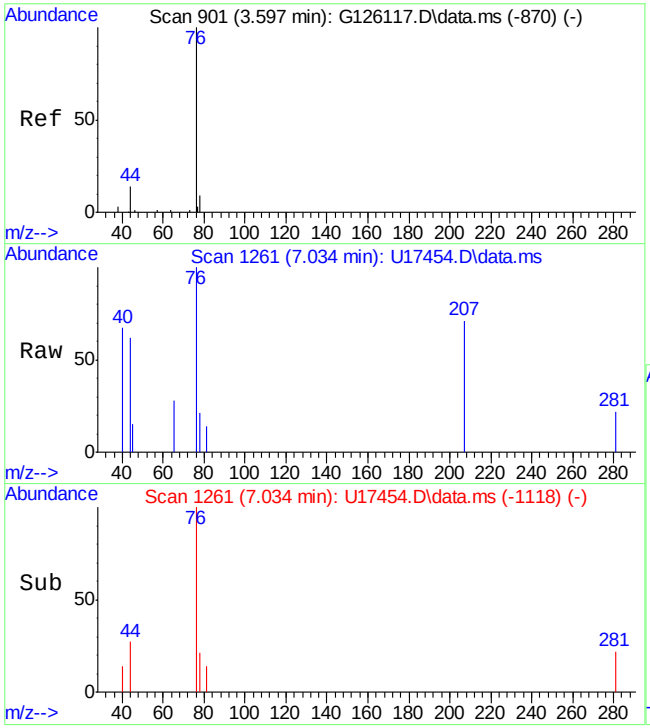
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17454.D
Acq On : 21 Jan 2014 2:03 pm
Operator : garyk
Sample : mc27769-3
Misc : ms30992,msu825,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 21 15:12:01 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

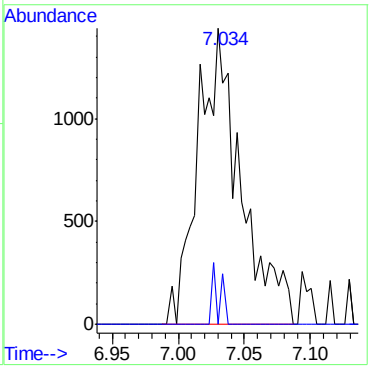


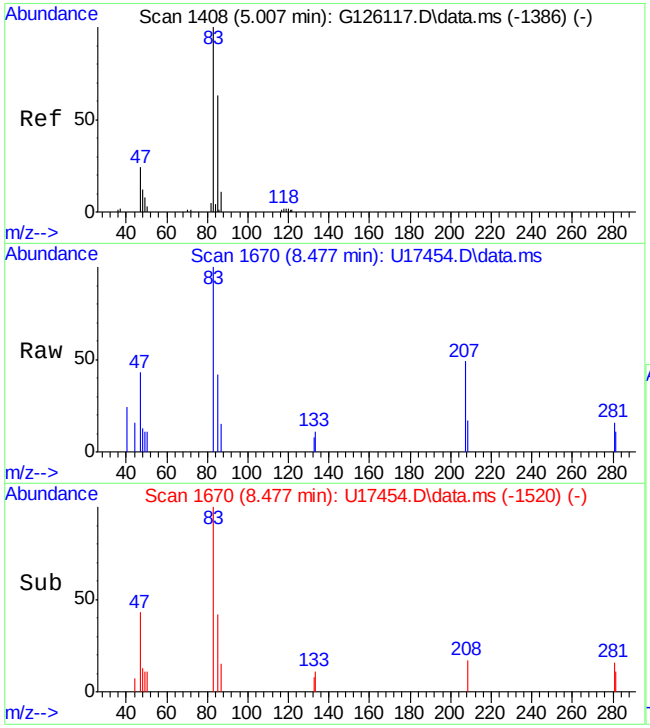


#24
carbon disulfide
Concen: 1.74 ppb
RT: 7.034 min Scan# 1261
Delta R.T. 0.005 min
Lab File: U17454.D
Acq: 21 Jan 2014 2:03 pm

Tgt Ion: 76 Resp: 3232

Ion	Ratio	Lower	Upper
76	100		
78	21.2	0.0	38.8

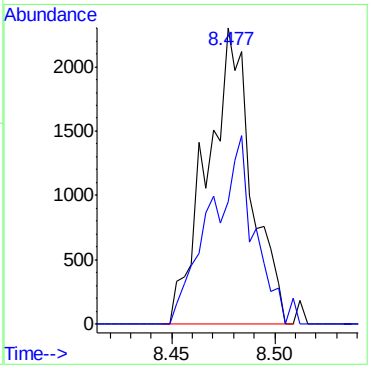




#39
chloroform
Concen: 2.17 ppb
RT: 8.477 min Scan# 1670
Delta R.T. -0.001 min
Lab File: U17454.D
Acq: 21 Jan 2014 2:03 pm

Tgt Ion: 83 Resp: 3464

Ion	Ratio	Lower	Upper
83	100		
85	41.5	36.9	96.9



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17454.D
Acq On : 21 Jan 2014 2:03 pm
Operator : garyk
Sample : mc27769-3
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U140117W.m
Title : SW-846 Method 8260

Signal : TIC: U17454.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.508	1093	1112	1148	rBV3	16059	52131	10.73%	2.131%
2	8.597	1683	1704	1748	rBV3	77574	161696	33.27%	6.610%
3	8.961	1783	1807	1848	rBV2	144798	288115	59.28%	11.778%
4	9.832	2033	2054	2108	rVB2	160903	318649	65.56%	13.026%
5	11.639	2538	2566	2608	rBV2	201812	390585	80.37%	15.967%
6	13.107	2948	2982	3023	rVB	198417	387517	79.73%	15.841%
7	14.335	3313	3330	3408	rBV2	176821	361572	74.40%	14.781%
8	15.673	3693	3709	3778	rVB3	252046	486009	100.00%	19.867%

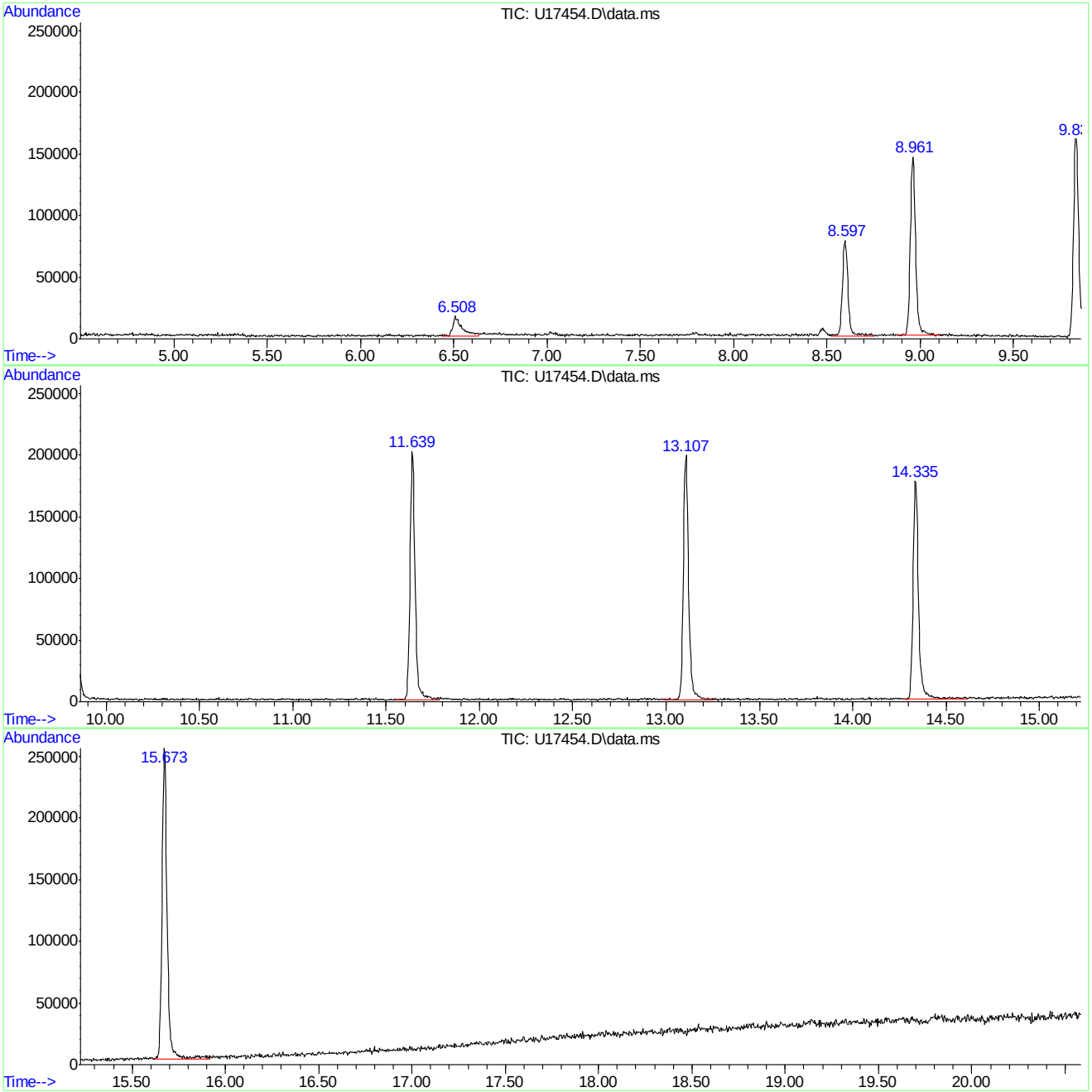
Sum of corrected areas: 2446274

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U140121\
Data File : U17454.D
Acq On : 21 Jan 2014 2:03 pm
Operator : garyk
Sample : mc27769-3
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17454.D
Acq On : 21 Jan 2014 2:03 pm
Operator : garyk
Sample : mc27769-3
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U140121\
Data File : U17454.D
Acq On : 21 Jan 2014 2:03 pm
Operator : garyk
Sample : mc27769-3
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17459.D
Acq On : 21 Jan 2014 4:19 pm
Operator : garyk
Sample : mc27769-4
Misc : ms30992,msu825,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 22 08:18:07 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

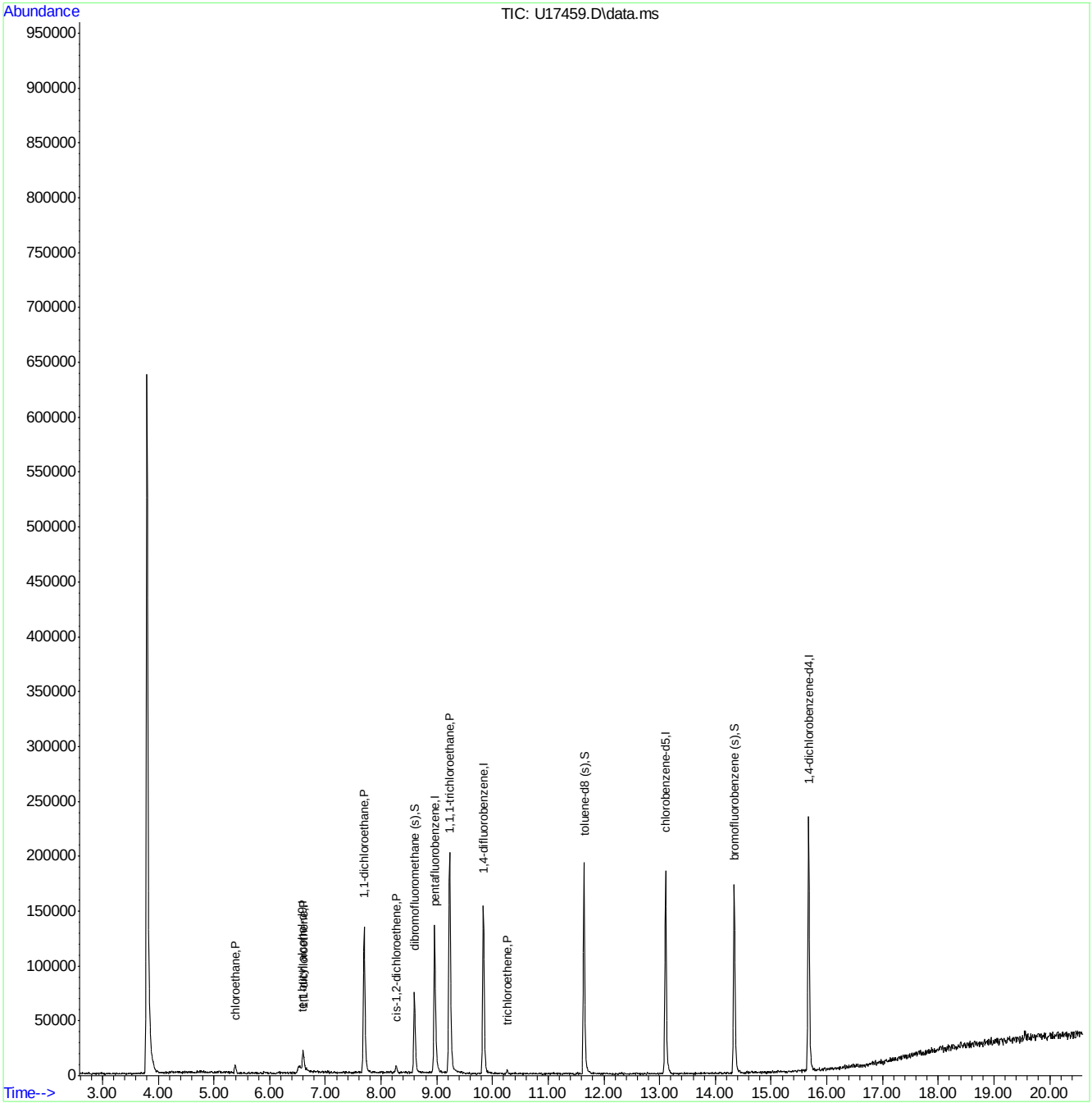
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.590	65	25776	500.00	ppb		-0.02
4) pentafluorobenzene	8.968	168	95332	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.839	114	116257	50.00	ppb		0.00
66) chlorobenzene-d5	13.110	82	58926	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.677	152	66933	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.602	113	42082	52.40	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.80%				
60) toluene-d8 (s)	11.646	98	130083	50.51	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.02%				
82) bromofluorobenzene (s)	14.341	95	54595	53.14	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.28%				
Target Compounds							Qvalue
9) chloroethane	5.380	64	4330	12.56	ppb		71
15) 1,1-dichloroethene	6.603	96	6006	9.98	ppb	#	65
33) 1,1-dichloroethane	7.700	63	130473	87.08	ppb		98
37) cis-1,2-dichloroethene	8.276	96	3025	3.90	ppb		89
42) 1,1,1-trichloroethane	9.236	97	147140	90.40	ppb		93
51) trichloroethene	10.266	95	1074	1.33	ppb	#	64

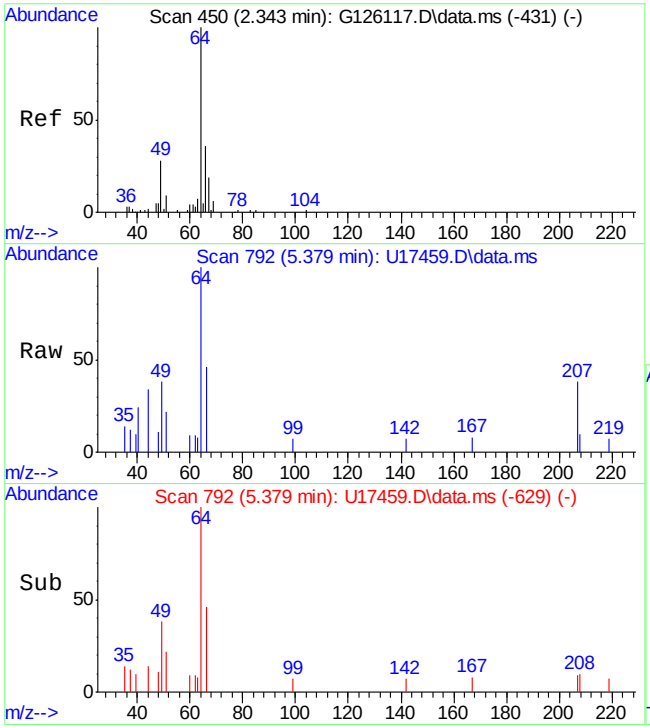
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17459.D
Acq On : 21 Jan 2014 4:19 pm
Operator : garyk
Sample : mc27769-4
Misc : ms30992,msu825,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 22 08:18:07 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

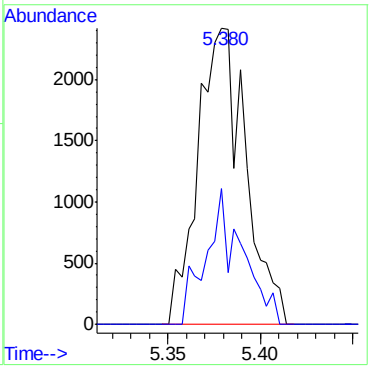


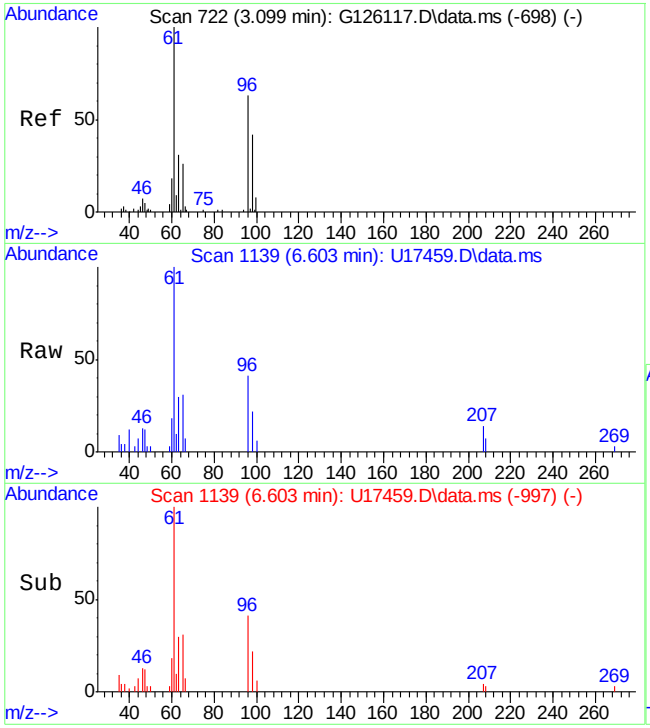


#9
chloroethane
Concen: 12.56 ppb
RT: 5.380 min Scan# 792
Delta R.T. -0.003 min
Lab File: U17459.D
Acq: 21 Jan 2014 4:19 pm

Tgt Ion: 64 Resp: 4330

Ion	Ratio	Lower	Upper
64	100		
66	45.7	0.1	60.1

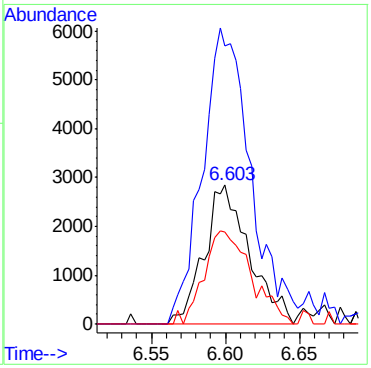


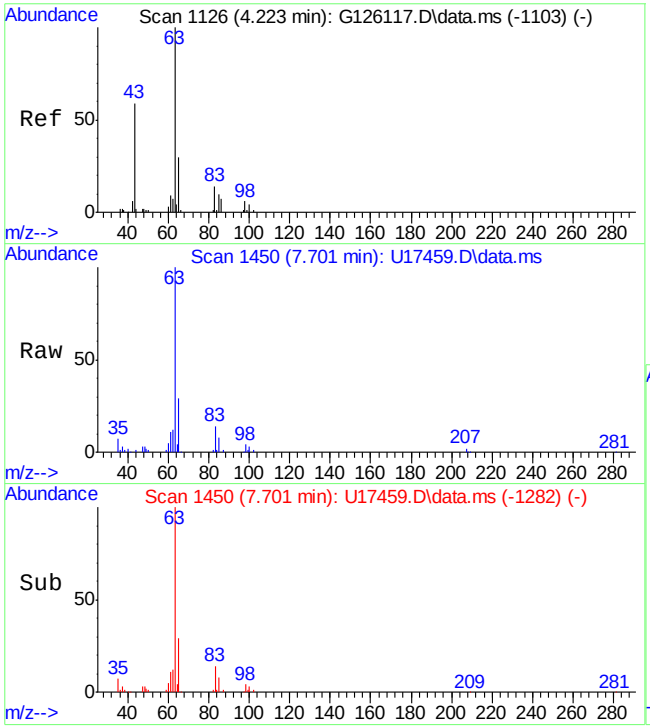


#15
1,1-dichloroethene
Concen: 9.98 ppb
RT: 6.603 min Scan# 1139
Delta R.T. 0.002 min
Lab File: U17459.D
Acq: 21 Jan 2014 4:19 pm

Tgt Ion: 96 Resp: 6006

Ion	Ratio	Lower	Upper
96	100		
61	245.8	158.7	218.7#
63	74.1	27.6	87.6

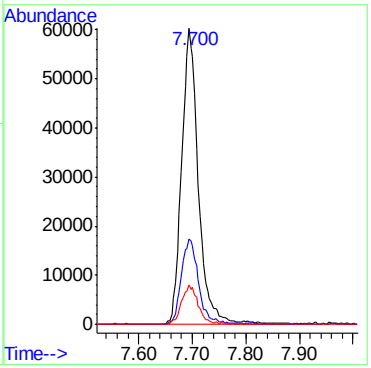


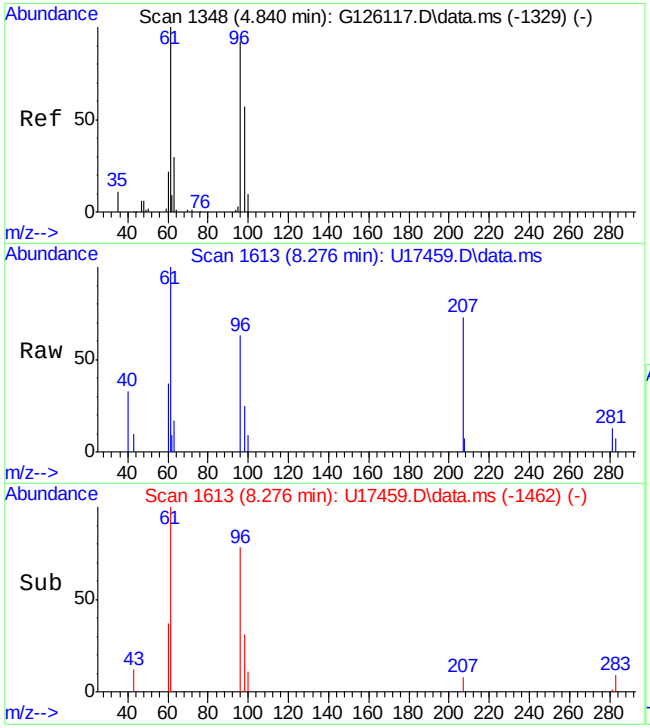


#33
1,1-dichloroethane
Concen: 87.08 ppb
RT: 7.700 min Scan# 1450
Delta R.T. 0.002 min
Lab File: U17459.D
Acq: 21 Jan 2014 4:19 pm

Tgt Ion: 63 Resp: 130473

Ion	Ratio	Lower	Upper
63	100		
65	29.4	0.0	59.7
83	13.7	0.0	41.8

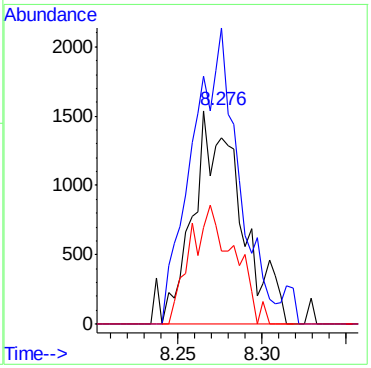


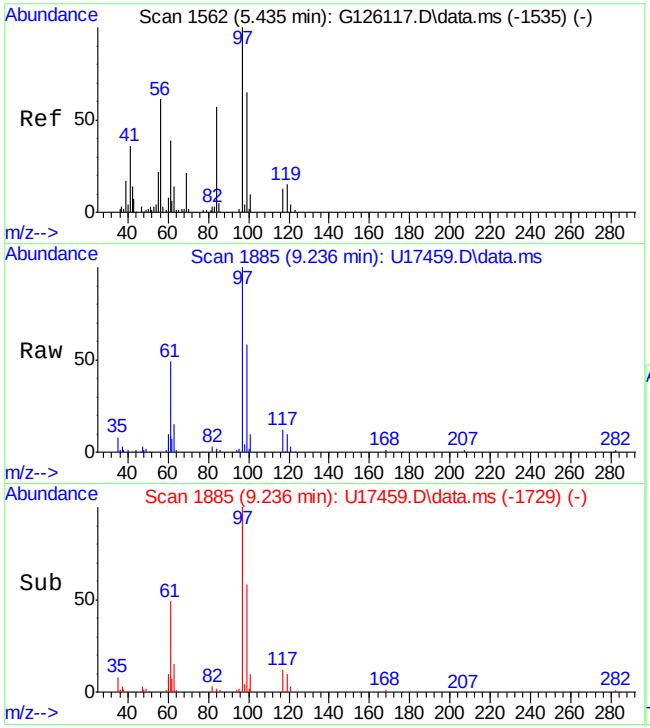


#37
cis-1,2-dichloroethene
Concen: 3.90 ppb
RT: 8.276 min Scan# 1613
Delta R.T. 0.004 min
Lab File: U17459.D
Acq: 21 Jan 2014 4:19 pm

Tgt Ion: 96 Resp: 3025

Ion	Ratio	Lower	Upper
96	100		
61	158.6	126.3	186.3
98	39.0	36.2	96.2

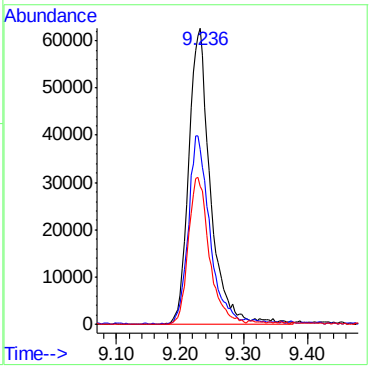


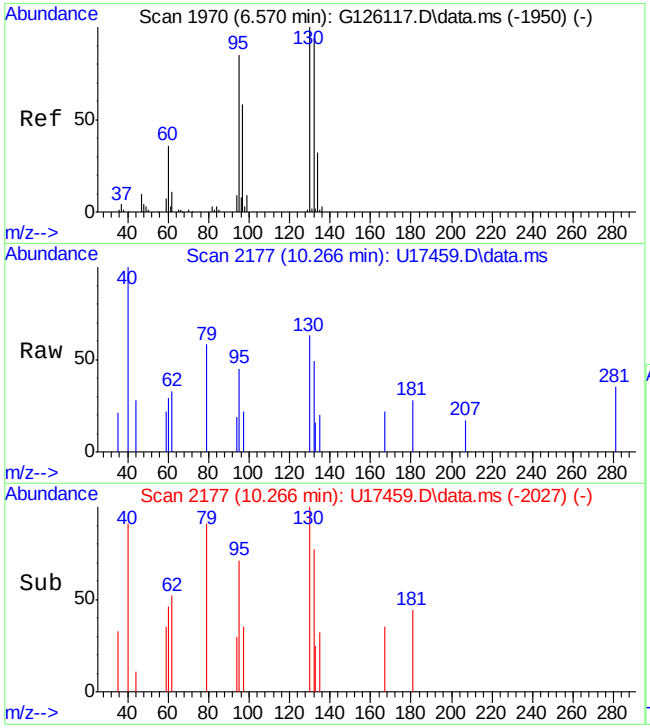


#42
1,1,1-trichloroethane
Concen: 90.40 ppb
RT: 9.236 min Scan# 1885
Delta R.T. 0.002 min
Lab File: U17459.D
Acq: 21 Jan 2014 4:19 pm

Tgt Ion: 97 Resp: 147140

Ion	Ratio	Lower	Upper
97	100		
99	57.8	33.0	93.0
61	49.4	14.2	74.2

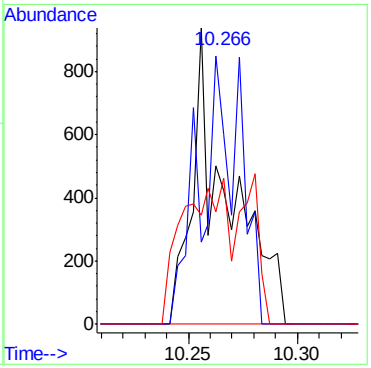




#51
trichloroethene
Concen: 1.33 ppb
RT: 10.266 min Scan# 2177
Delta R.T. 0.008 min
Lab File: U17459.D
Acq: 21 Jan 2014 4:19 pm

Tgt Ion: 95 Resp: 1074

Ion	Ratio	Lower	Upper
95	100		
130	141.3	58.8	118.8#
132	109.2	62.5	122.5



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17459.D
Acq On : 21 Jan 2014 4:19 pm
Operator : garyk
Sample : mc27769-4
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U140117W.m
Title : SW-846 Method 8260

Signal : TIC: U17459.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.596	1094	1137	1174	rBV5	21165	95681	19.33%	2.777%
2	7.694	1424	1448	1494	rBV2	133745	299498	60.49%	8.694%
3	8.597	1689	1704	1734	rBV3	73371	157567	31.83%	4.574%
4	8.961	1774	1807	1854	rBV	134833	298823	60.36%	8.674%
5	9.229	1859	1883	1949	rVB2	201610	495096	100.00%	14.371%
6	9.836	2034	2055	2119	rVB2	153739	327726	66.19%	9.513%
7	11.643	2539	2567	2619	rBV2	193303	393805	79.54%	11.431%
8	13.107	2939	2982	3014	rBV2	185606	377741	76.30%	10.965%
9	14.339	3294	3331	3389	rVB2	172531	357517	72.21%	10.378%
10	15.673	3674	3709	3754	rBV2	232993	480610	97.07%	13.951%
11	18.944	4579	4636	4679	rBV2	9704	102011	20.60%	2.961%
12	19.900	4864	4907	4924	rBV2	8156	58998	11.92%	1.713%

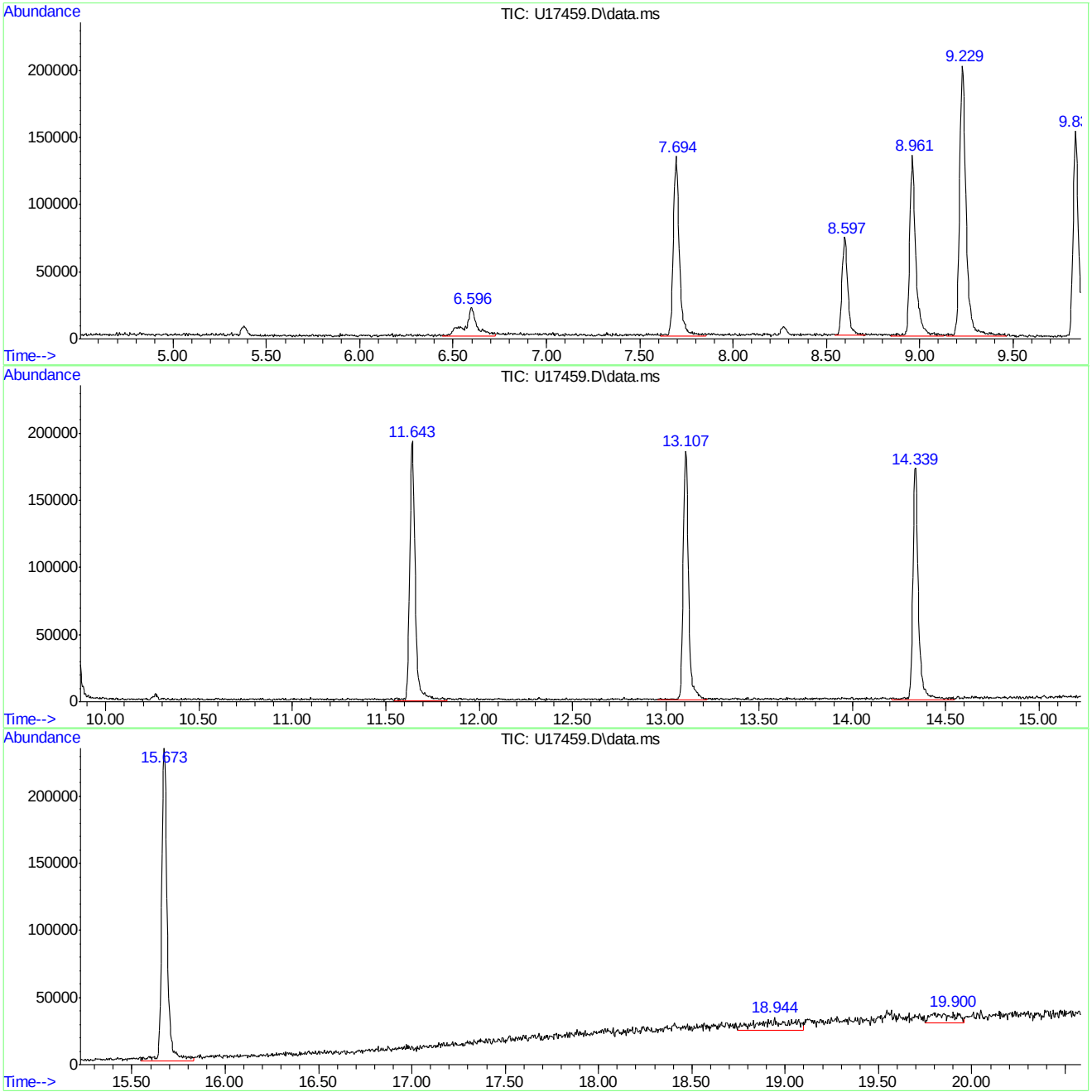
Sum of corrected areas: 3445073

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U140121\
Data File : U17459.D
Acq On : 21 Jan 2014 4:19 pm
Operator : garyk
Sample : mc27769-4
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17459.D
Acq On : 21 Jan 2014 4:19 pm
Operator : garyk
Sample : mc27769-4
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U140121\
Data File : U17459.D
Acq On : 21 Jan 2014 4:19 pm
Operator : garyk
Sample : mc27769-4
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

7.1.8

7

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17460.D
Acq On : 21 Jan 2014 4:47 pm
Operator : garyk
Sample : mc27769-5
Misc : ms30992,msu825,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 22 08:20:20 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

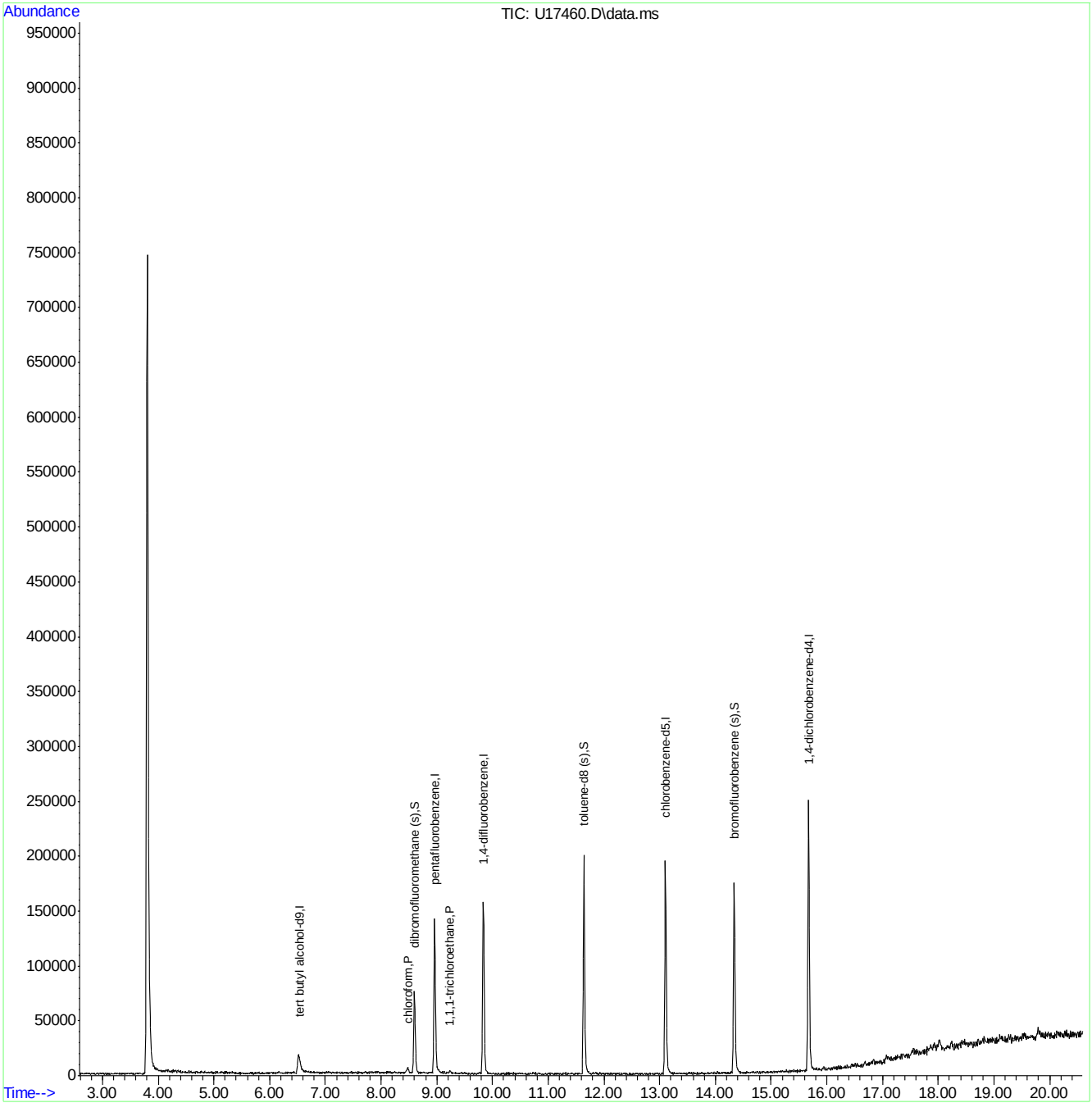
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.540	65	31944	500.00	ppb		-0.07
4) pentafluorobenzene	8.964	168	93032	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.838	114	115850	50.00	ppb		0.00
66) chlorobenzene-d5	13.109	82	58035	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.676	152	69775	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.600	113	40544	51.74	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.48%				
60) toluene-d8 (s)	11.644	98	122143	47.59	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.18%				
82) bromofluorobenzene (s)	14.339	95	53616	50.06	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.12%				
Target Compounds							Qvalue
39) chloroform	8.477	83	3076	1.96	ppb		95
42) 1,1,1-trichloroethane	9.230	97	1139	0.72	ppb	#	58

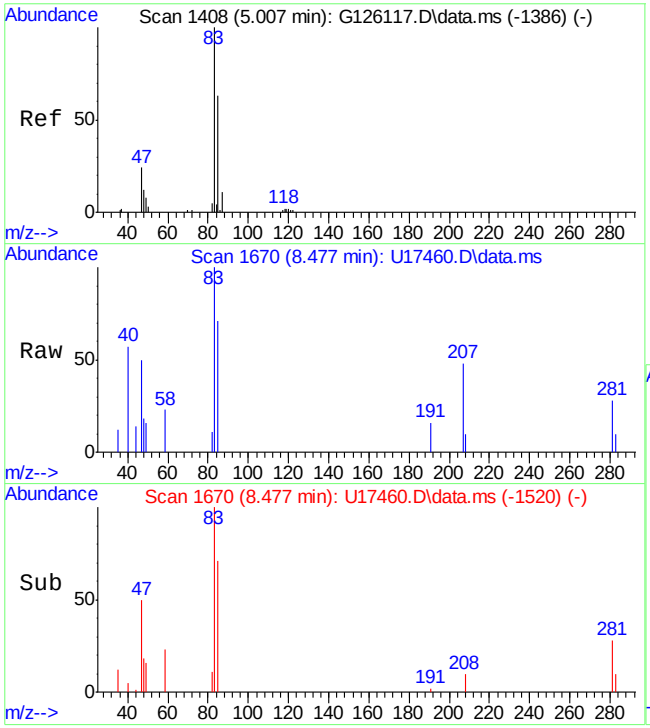
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17460.D
Acq On : 21 Jan 2014 4:47 pm
Operator : garyk
Sample : mc27769-5
Misc : ms30992,msu825,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 22 08:20:20 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

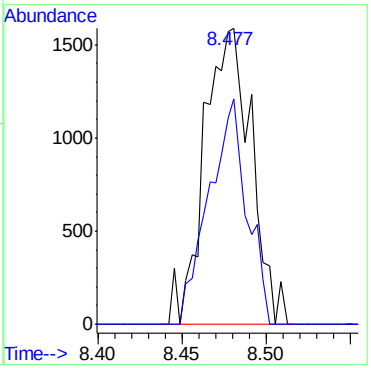


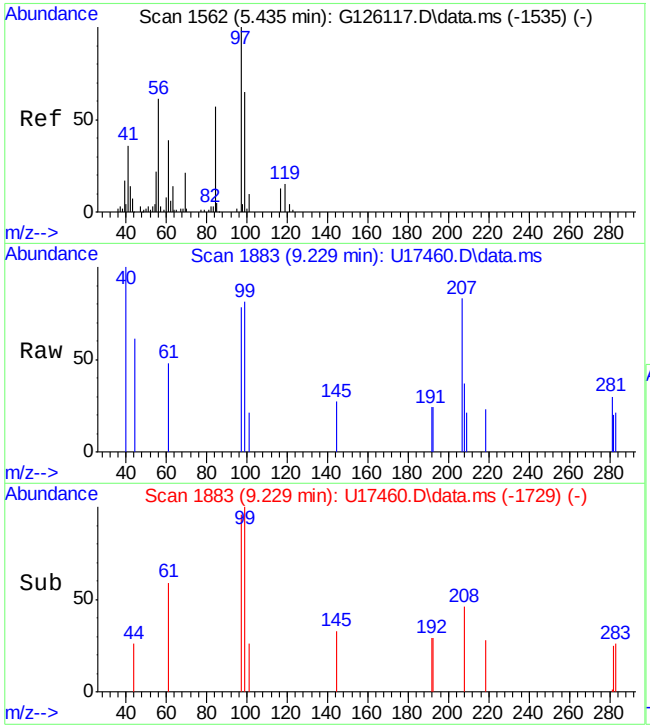


#39
chloroform
Concen: 1.96 ppb
RT: 8.477 min Scan# 1670
Delta R.T. -0.001 min
Lab File: U17460.D
Acq: 21 Jan 2014 4:47 pm

Tgt Ion: 83 Resp: 3076

Ion	Ratio	Lower	Upper
83	100		
85	70.5	36.9	96.9

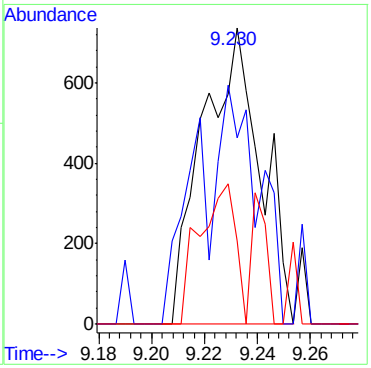




#42
1,1,1-trichloroethane
Concen: 0.72 ppb
RT: 9.230 min Scan# 1883
Delta R.T. -0.004 min
Lab File: U17460.D
Acq: 21 Jan 2014 4:47 pm

Tgt Ion: 97 Resp: 1139

Ion	Ratio	Lower	Upper
97	100		
99	103.8	33.0	93.0#
61	61.2	14.2	74.2



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17460.D
Acq On : 21 Jan 2014 4:47 pm
Operator : garyk
Sample : mc27769-5
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U140117W.m
Title : SW-846 Method 8260

Signal : TIC: U17460.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.519	1089	1115	1159	rBV4	17432	70442	14.75%	2.751%
2	8.597	1689	1704	1734	rVB2	74804	154926	32.44%	6.050%
3	8.961	1774	1807	1859	rBV2	140976	293744	61.50%	11.471%
4	9.836	2039	2055	2109	rVB2	157273	315663	66.09%	12.327%
5	11.639	2544	2566	2604	rVB	199877	367385	76.92%	14.347%
6	13.103	2954	2981	3019	rBV	194445	378509	79.25%	14.781%
7	14.339	3294	3331	3369	rBV2	173775	341318	71.47%	13.329%
8	15.673	3689	3709	3744	rBV3	247478	477597	100.00%	18.650%
9	17.373	4154	4191	4219	rBV3	6393	51010	10.68%	1.992%
10	17.553	4219	4242	4274	rBV3	8598	57506	12.04%	2.246%
11	18.471	4469	4502	4524	rBV3	9123	52681	11.03%	2.057%

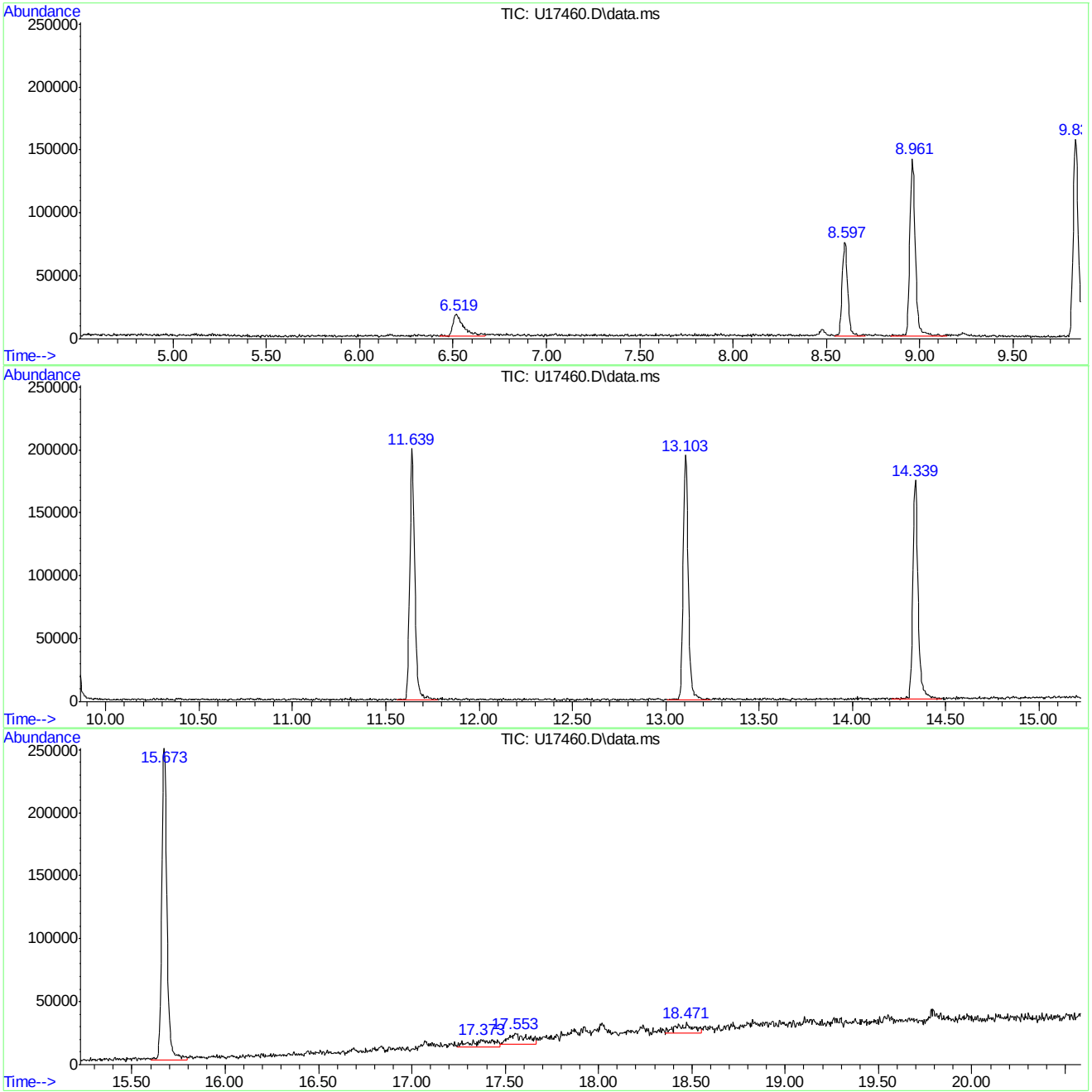
Sum of corrected areas: 2560781

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U140121\
Data File : U17460.D
Acq On : 21 Jan 2014 4:47 pm
Operator : garyk
Sample : mc27769-5
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17460.D
Acq On : 21 Jan 2014 4:47 pm
Operator : garyk
Sample : mc27769-5
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U140121\
Data File : U17460.D
Acq On : 21 Jan 2014 4:47 pm
Operator : garyk
Sample : mc27769-5
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/22/14 09:42

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17461.D
Acq On : 21 Jan 2014 5:14 pm
Operator : garyk
Sample : mc27769-6
Misc : ms30992,msu825,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 22 08:21:43 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.557	65	23549	500.00	ppb	-0.06
4) pentafluorobenzene	8.966	168	91717	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.839	114	110616	50.00	ppb	0.00
66) chlorobenzene-d5	13.109	82	54943	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.675	152	65574	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.601	113	40185	52.01	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.02%			
60) toluene-d8 (s)	11.645	98	123120	50.24	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.48%			
82) bromofluorobenzene (s)	14.340	95	53284	52.94	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.88%			
Target Compounds						Qvalue
55) Methylcyclohexane	10.780	83	1415	1.34	ppb	# 57
75) m,p-xylene	13.525	106	1612	1.41	ppb	# 76
76) o-xylene	13.936	106	557m	0.48	ppb	
89) 1,3,5-trimethylbenzene	15.015	105	1381	0.45	ppb	83
91) 1,2,4-trimethylbenzene	15.419	105	1952	0.63	ppb	76

(#) = qualifier out of range (m) = manual integration (+) = signals summed

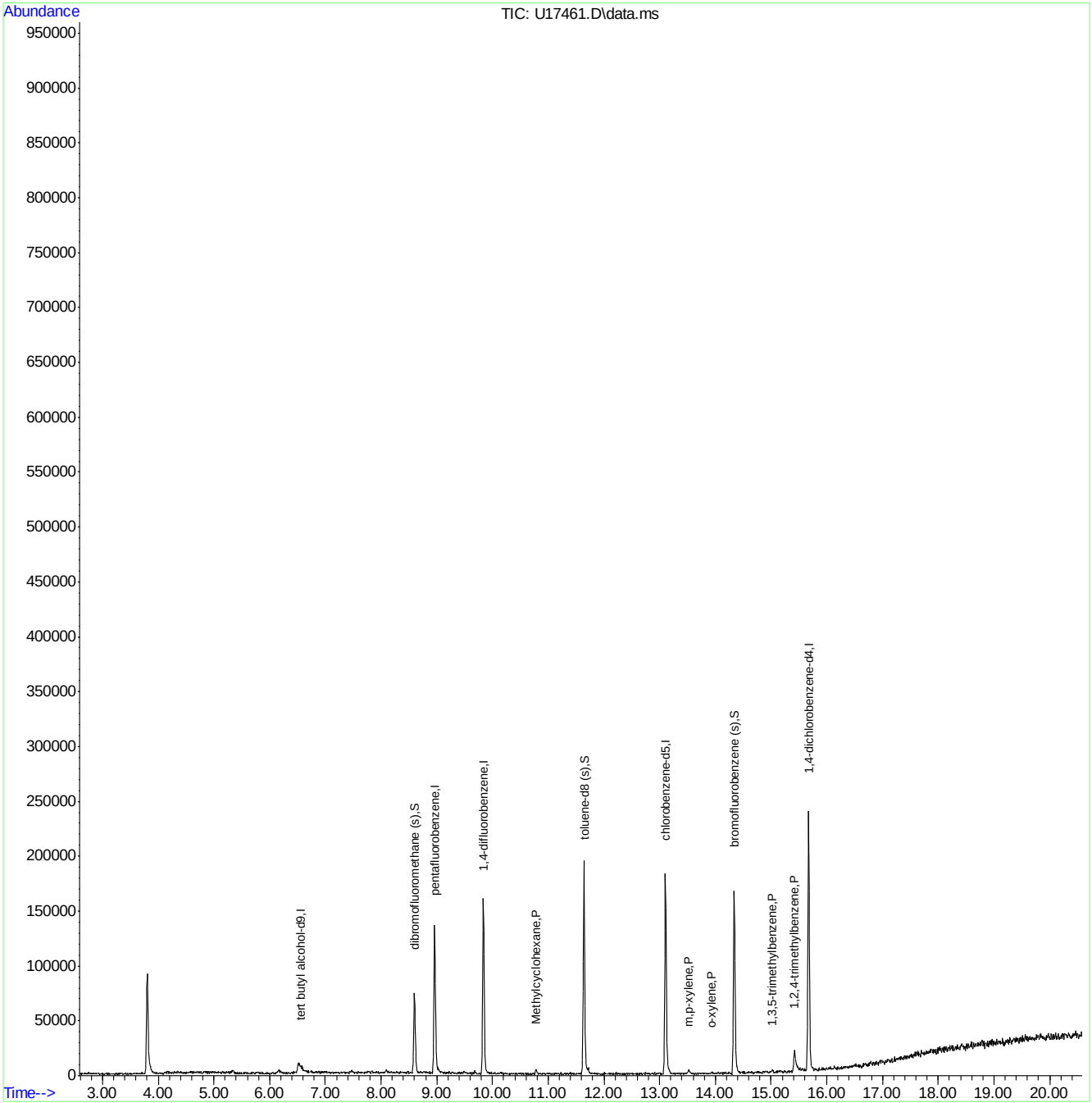
7.1.11

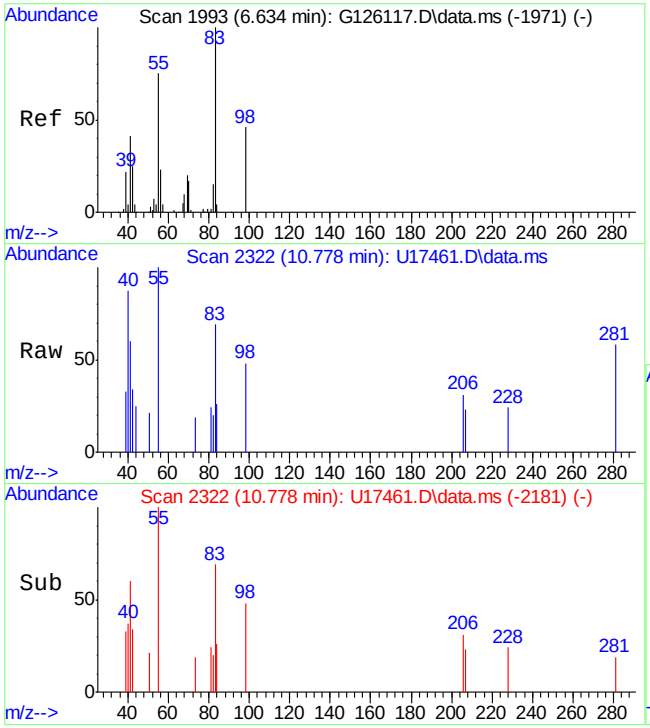
7

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17461.D
Acq On : 21 Jan 2014 5:14 pm
Operator : garyk
Sample : mc27769-6
Misc : ms30992,msu825,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 22 08:21:43 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

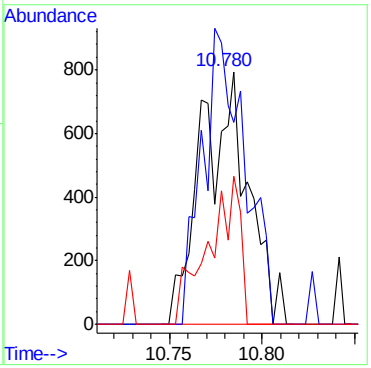


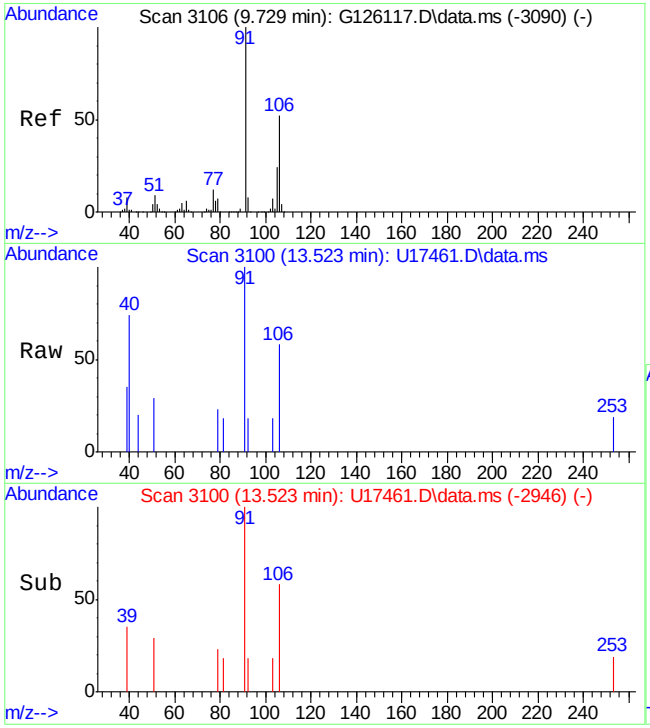


#55
Methylcyclohexane
Concen: 1.34 ppb
RT: 10.780 min Scan# 2322
Delta R.T. 0.001 min
Lab File: U17461.D
Acq: 21 Jan 2014 5:14 pm

Tgt Ion: 83 Resp: 1415

Ion	Ratio	Lower	Upper
83	100		
55	145.4	81.4	122.2#
98	69.2	34.2	51.2#

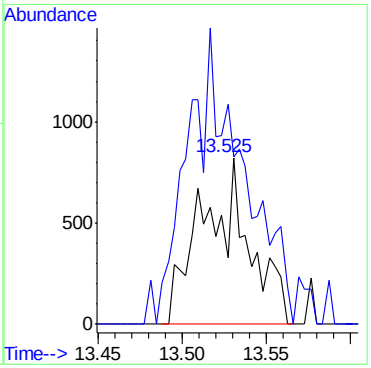


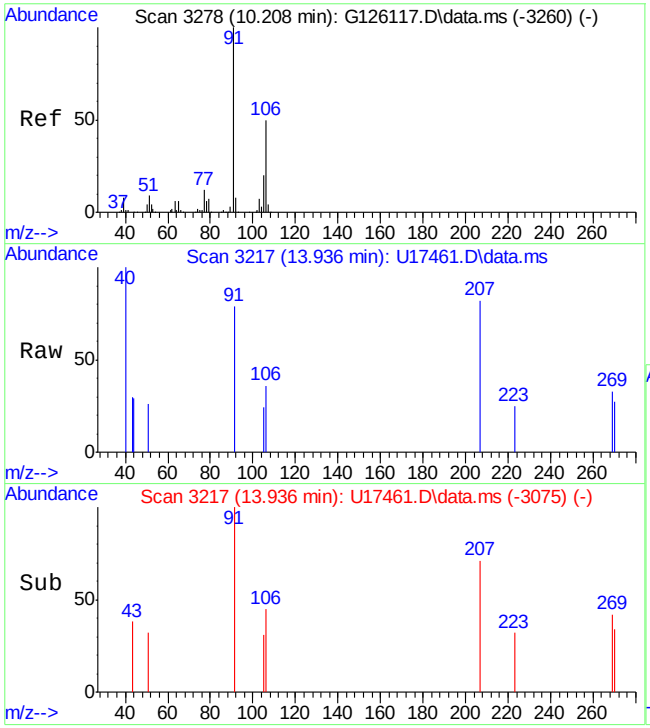


#75
m,p-xylene
Concen: 1.41 ppb
RT: 13.525 min Scan# 3100
Delta R.T. 0.024 min
Lab File: U17461.D
Acq: 21 Jan 2014 5:14 pm

Tgt Ion:106 Resp: 1612

Ion	Ratio	Lower	Upper
106	100		
91	173.7	180.7	240.7#

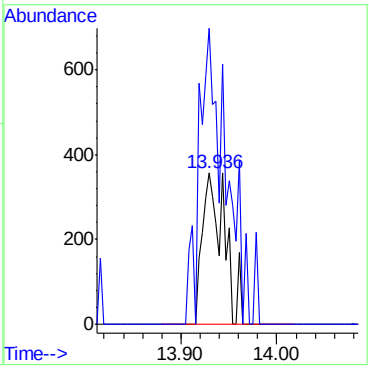


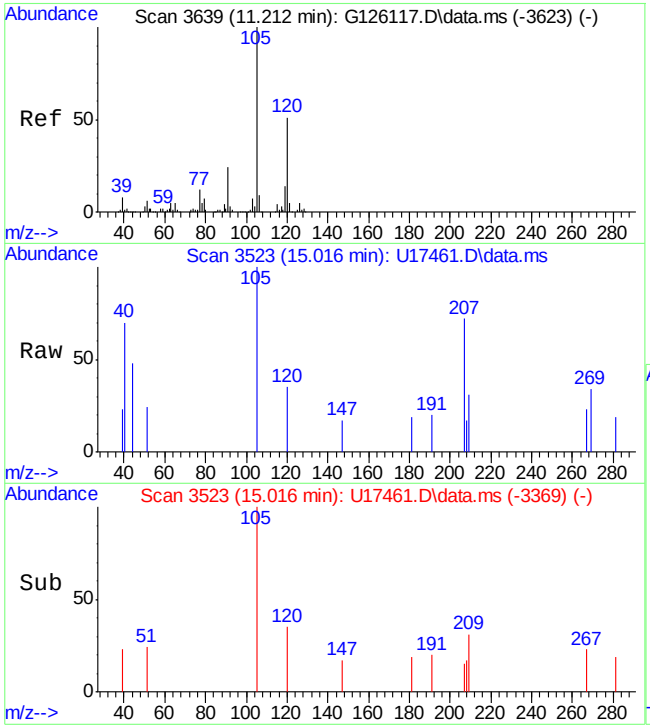


#76
o-xylene
Concen: 0.48 ppb m
RT: 13.936 min Scan# 3217
Delta R.T. 0.021 min
Lab File: U17461.D
Acq: 21 Jan 2014 5:14 pm

Tgt Ion:106 Resp: 557

Ion	Ratio	Lower	Upper
106	100		
91	220.5	188.5	248.5

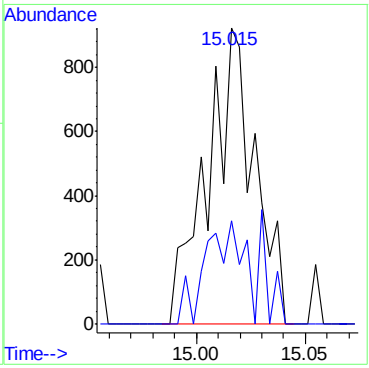


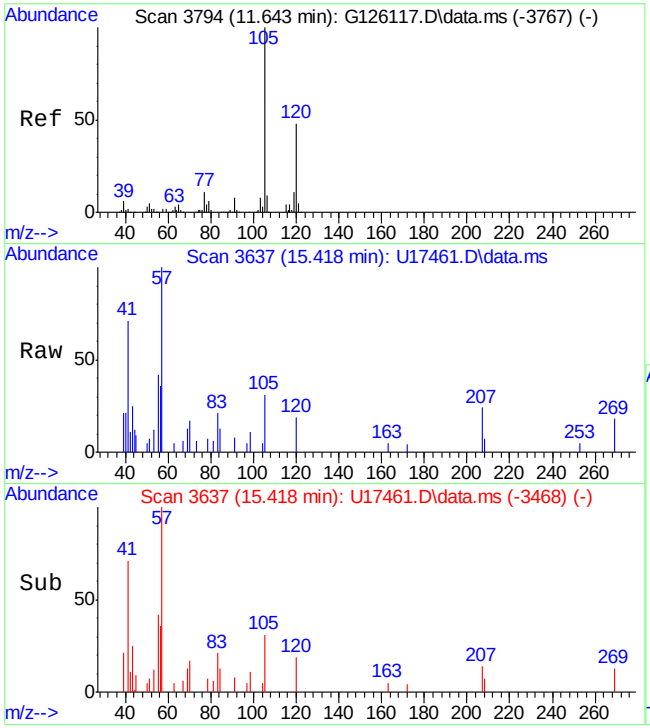


#89
1,3,5-trimethylbenzene
Concen: 0.45 ppb
RT: 15.015 min Scan# 3523
Delta R.T. 0.012 min
Lab File: U17461.D
Acq: 21 Jan 2014 5:14 pm

Tgt Ion:105 Resp: 1381

Ion	Ratio	Lower	Upper
105	100		
120	34.9	16.1	76.1

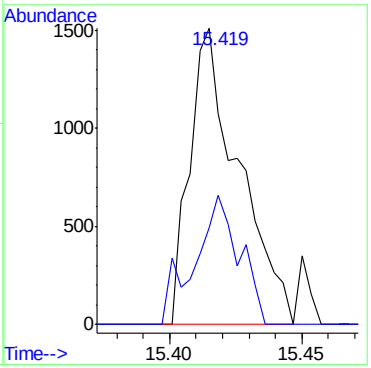




#91
1,2,4-trimethylbenzene
Concen: 0.63 ppb
RT: 15.419 min Scan# 3637
Delta R.T. 0.007 min
Lab File: U17461.D
Acq: 21 Jan 2014 5:14 pm

Tgt Ion:105 Resp: 1952

Ion	Ratio	Lower	Upper
105	100		
120	61.3	15.3	75.3



7.1.11

LSC Area Percent Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17461.D
Acq On : 21 Jan 2014 5:14 pm
Operator : garyk
Sample : mc27769-6
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U140117W.m
Title : SW-846 Method 8260

Signal : TIC: U17461.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.508	1084	1112	1164	rBV5	9506	59474	13.39%	2.503%
2	8.597	1689	1704	1724	rVB3	72428	147171	33.13%	6.194%
3	8.960	1784	1807	1854	rVB3	134575	278227	62.63%	11.710%
4	9.836	2034	2055	2124	rVB	160436	308285	69.39%	12.975%
5	11.639	2549	2566	2609	rVB	193817	367163	82.65%	15.453%
6	13.103	2964	2981	3029	rVB2	183264	366040	82.39%	15.406%
7	14.339	3309	3331	3364	rBV2	166328	330531	74.40%	13.911%
8	15.415	3609	3636	3689	rBV8	20065	74833	16.84%	3.150%
9	15.672	3689	3709	3744	rVV2	236467	444253	100.00%	18.698%

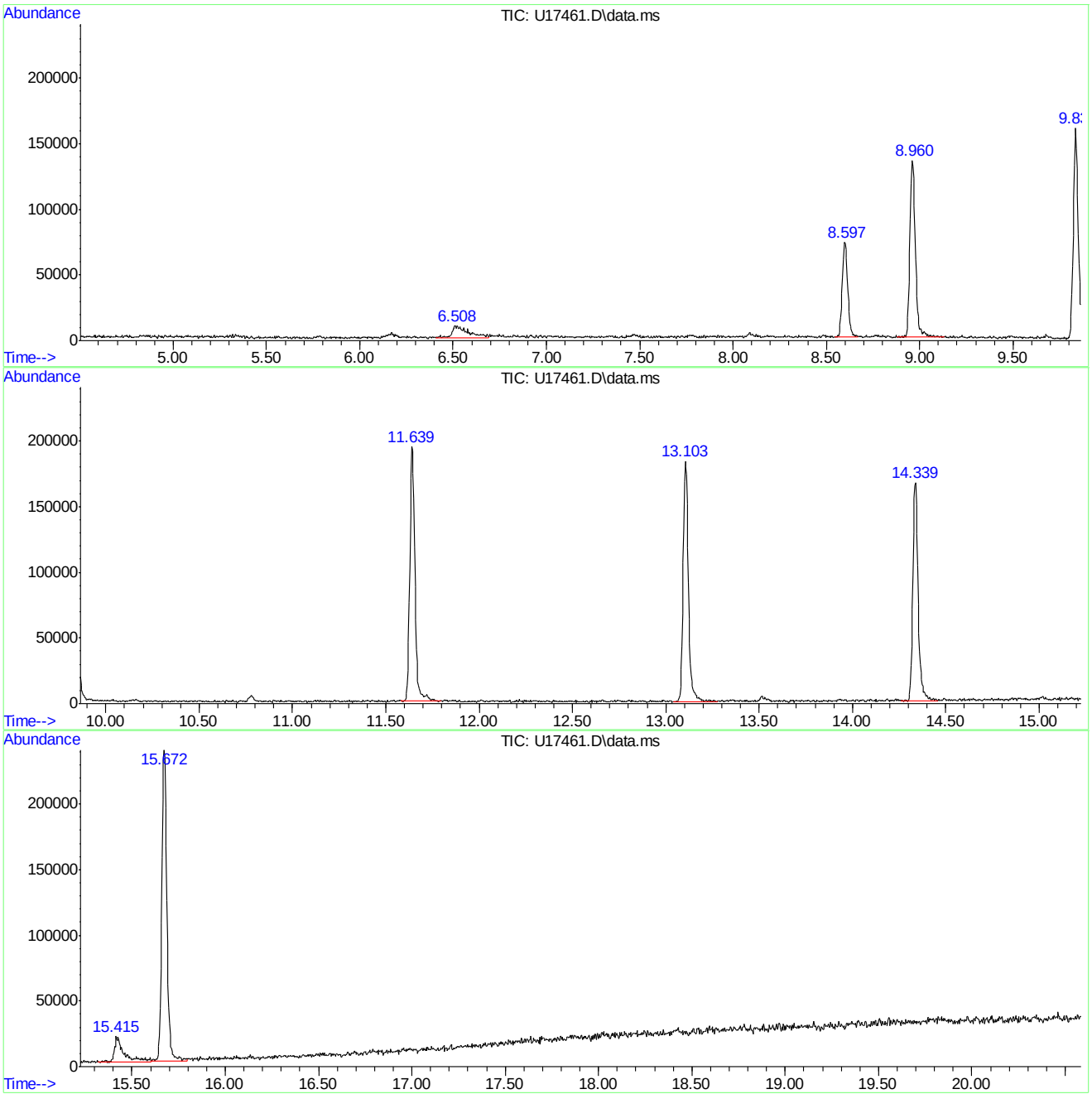
Sum of corrected areas: 2375977

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U140121\
Data File : U17461.D
Acq On : 21 Jan 2014 5:14 pm
Operator : garyk
Sample : mc27769-6
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17461.D
Acq On : 21 Jan 2014 5:14 pm
Operator : garyk
Sample : mc27769-6
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U140121\
Data File : U17461.D
Acq On : 21 Jan 2014 5:14 pm
Operator : garyk
Sample : mc27769-6
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17462.D
Acq On : 21 Jan 2014 5:41 pm
Operator : garyk
Sample : mc27769-7
Misc : ms30992,msu825,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 22 08:22:29 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

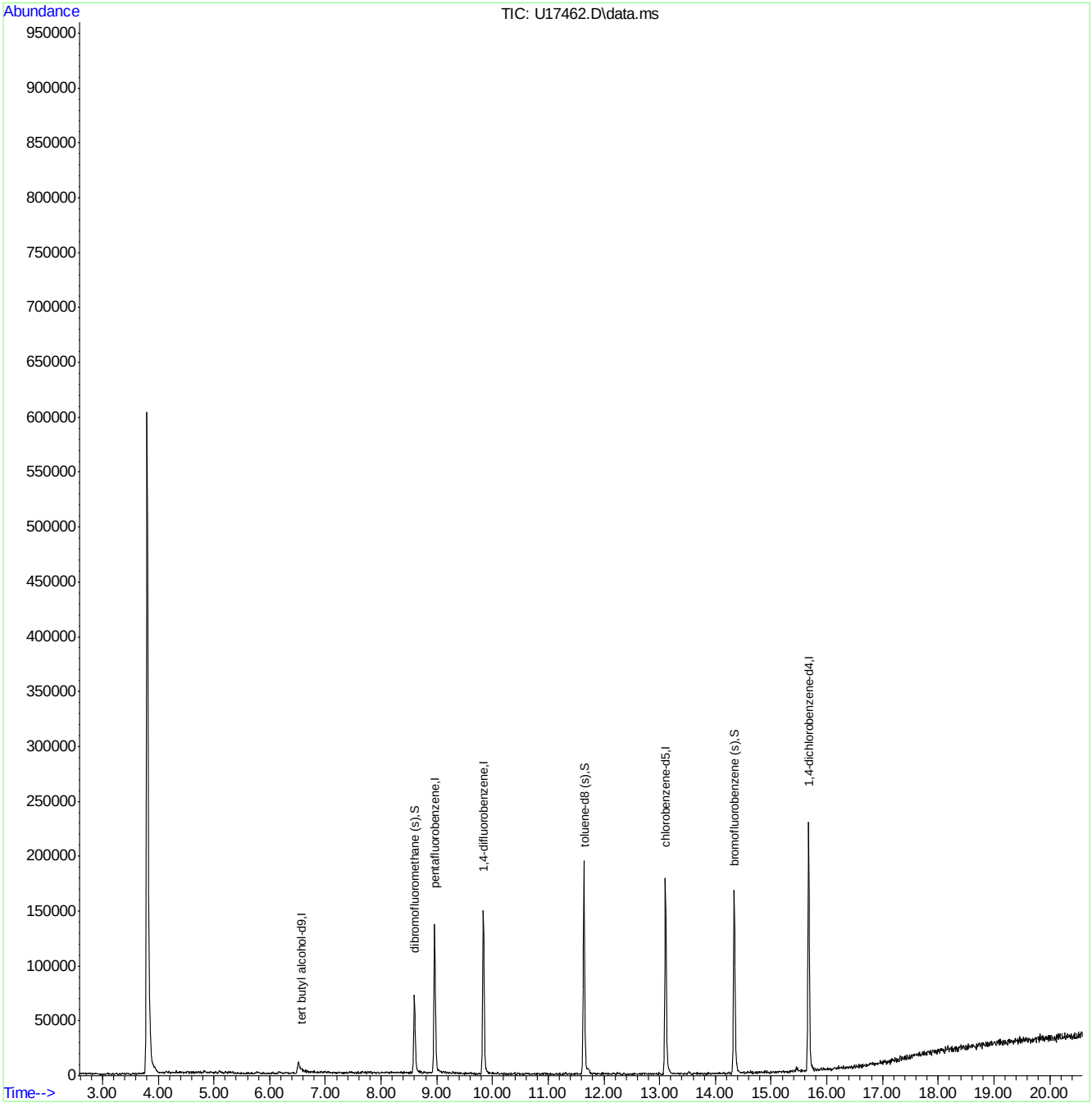
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.573	65	25975	500.00	ppb	#-0.04
4) pentafluorobenzene	8.965	168	89071	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.839	114	110492	50.00	ppb	0.00
66) chlorobenzene-d5	13.110	82	56499	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.676	152	64073	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.601	113	39795	53.04	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.08%			
60) toluene-d8 (s)	11.645	98	121745	49.73	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.46%			
82) bromofluorobenzene (s)	14.341	95	53177	54.07	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.14%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17462.D
Acq On : 21 Jan 2014 5:41 pm
Operator : garyk
Sample : mc27769-7
Misc : ms30992,msu825,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 22 08:22:29 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration



U140117W.m Wed Jan 22 08:28:55 2014 Page: 2

LSC Area Percent Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17462.D
Acq On : 21 Jan 2014 5:41 pm
Operator : garyk
Sample : mc27769-7
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U140117W.m
Title : SW-846 Method 8260

Signal : TIC: U17462.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.512	1098	1113	1173	rBV6	11070	58251	13.17%	2.520%
2	8.597	1683	1704	1728	rBV3	71405	149739	33.84%	6.479%
3	8.961	1788	1807	1853	rBV	136147	277569	62.73%	12.009%
4	9.836	2023	2055	2098	rBV2	149504	305805	69.12%	13.231%
5	11.639	2543	2566	2628	rVB	195263	375832	84.94%	16.261%
6	13.104	2958	2981	3033	rBV3	178813	363773	82.22%	15.739%
7	14.335	3298	3330	3363	rBV2	168150	337846	76.36%	14.617%
8	15.673	3688	3709	3748	rBV2	227733	442458	100.00%	19.143%

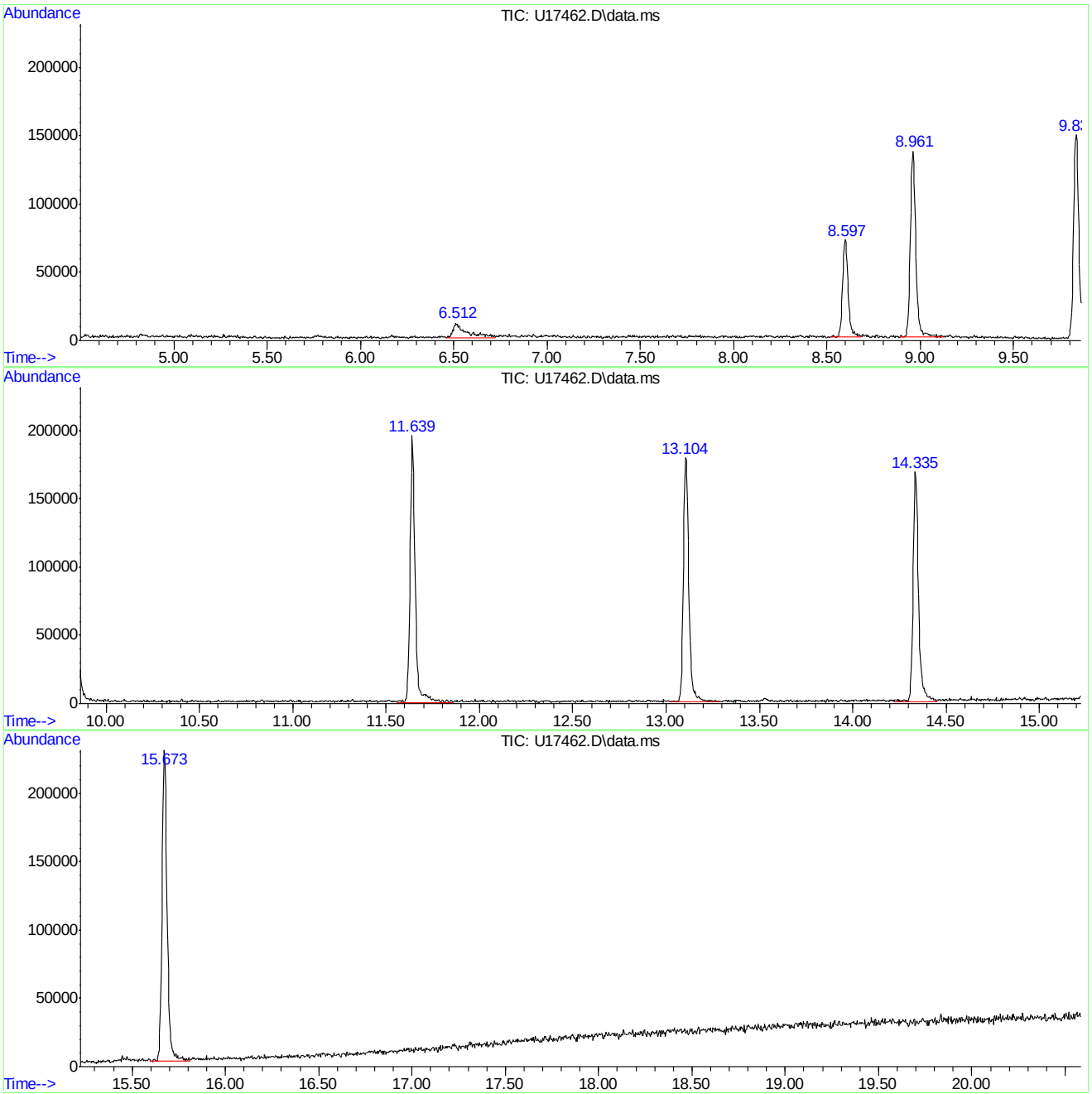
Sum of corrected areas: 2311273

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U140121\
Data File : U17462.D
Acq On : 21 Jan 2014 5:41 pm
Operator : garyk
Sample : mc27769-7
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17462.D
Acq On : 21 Jan 2014 5:41 pm
Operator : garyk
Sample : mc27769-7
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U140121\
Data File : U17462.D
Acq On : 21 Jan 2014 5:41 pm
Operator : garyk
Sample : mc27769-7
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17463.D
Acq On : 21 Jan 2014 6:08 pm
Operator : garyk
Sample : mc27769-8
Misc : ms30992,msu825,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jan 22 08:23:54 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

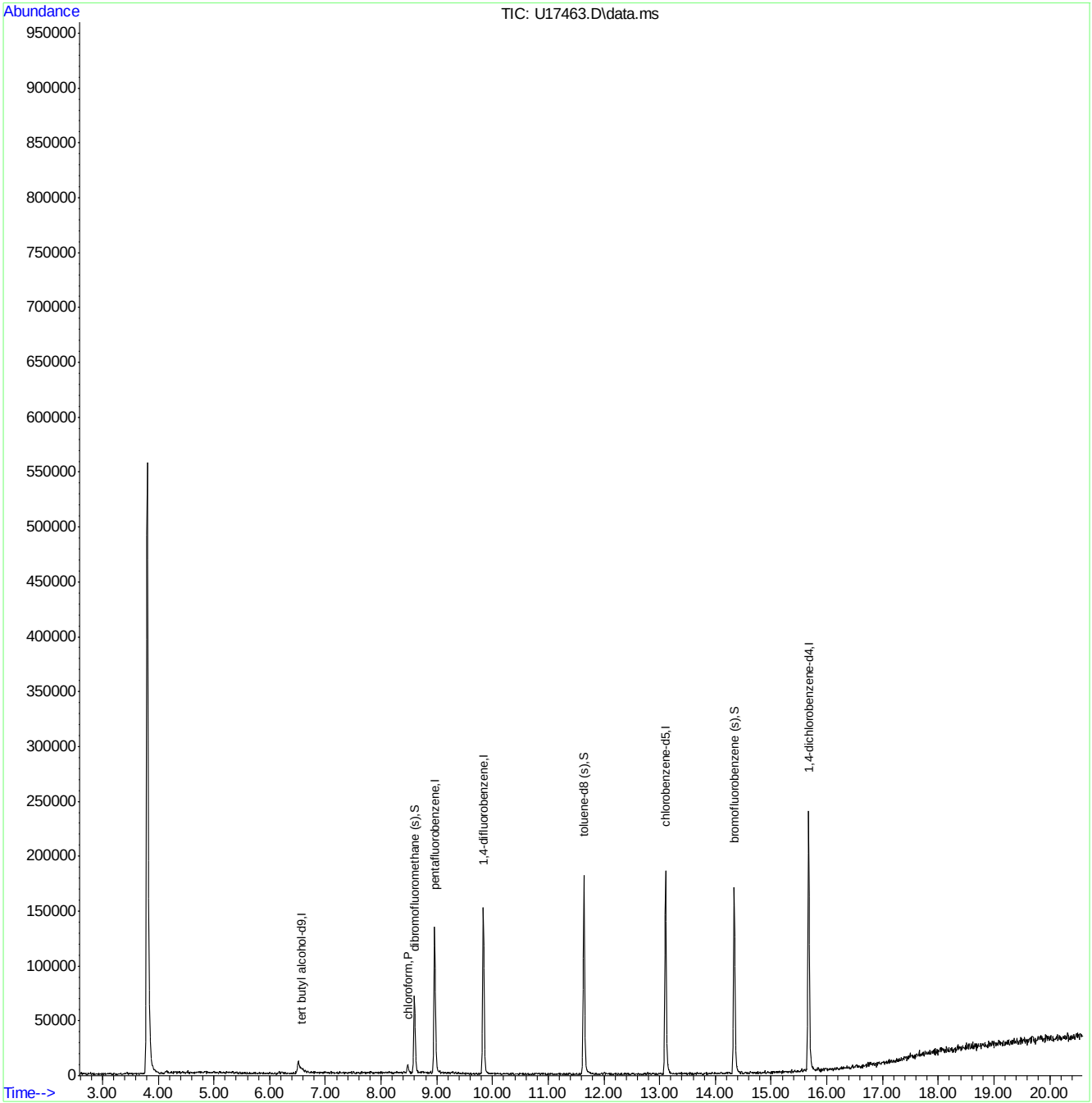
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.577	65	28476	500.00	ppb	-0.04
4) pentafluorobenzene	8.964	168	87374	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.837	114	107232	50.00	ppb	0.00
66) chlorobenzene-d5	13.108	82	56414	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.676	152	65816	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.600	113	38540	52.36	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.72%			
60) toluene-d8 (s)	11.643	98	114653	48.26	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.52%			
82) bromofluorobenzene (s)	14.339	95	53308	52.77	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.54%			
Target Compounds						Qvalue
39) chloroform	8.479	83	4974	3.37	ppb	73

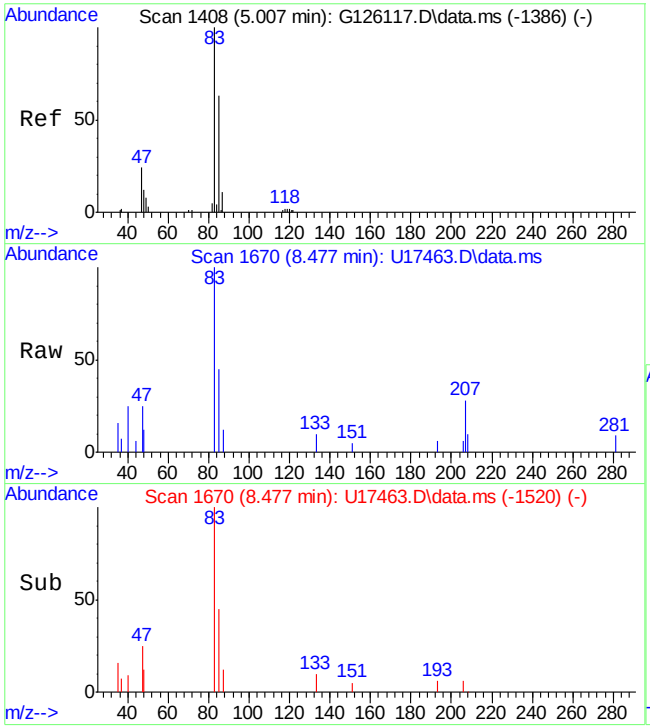
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17463.D
Acq On : 21 Jan 2014 6:08 pm
Operator : garyk
Sample : mc27769-8
Misc : ms30992,msu825,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jan 22 08:23:54 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

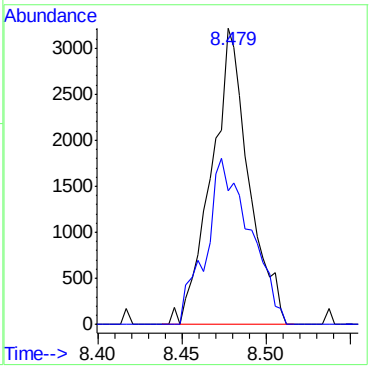




#39
chloroform
Concen: 3.37 ppb
RT: 8.479 min Scan# 1670
Delta R.T. 0.001 min
Lab File: U17463.D
Acq: 21 Jan 2014 6:08 pm

Tgt Ion: 83 Resp: 4974

Ion	Ratio	Lower	Upper
83	100		
85	45.1	36.9	96.9



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17463.D
Acq On : 21 Jan 2014 6:08 pm
Operator : garyk
Sample : mc27769-8
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U140117W.m
Title : SW-846 Method 8260

Signal : TIC: U17463.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.508	1093	1112	1168	rBV5	11690	57249	12.81%	2.524%
2	8.594	1688	1703	1733	rVB4	70939	147144	32.93%	6.486%
3	8.961	1793	1807	1868	rVB	134258	282224	63.15%	12.441%
4	9.832	2038	2054	2078	rBV3	151627	292932	65.55%	12.913%
5	11.639	2533	2566	2608	rBV2	181490	352138	78.80%	15.523%
6	13.107	2963	2982	3038	rVB	185242	360096	80.58%	15.873%
7	14.339	3308	3331	3378	rBV2	169527	329874	73.81%	14.541%
8	15.673	3693	3709	3748	rBV2	236802	446894	100.00%	19.700%

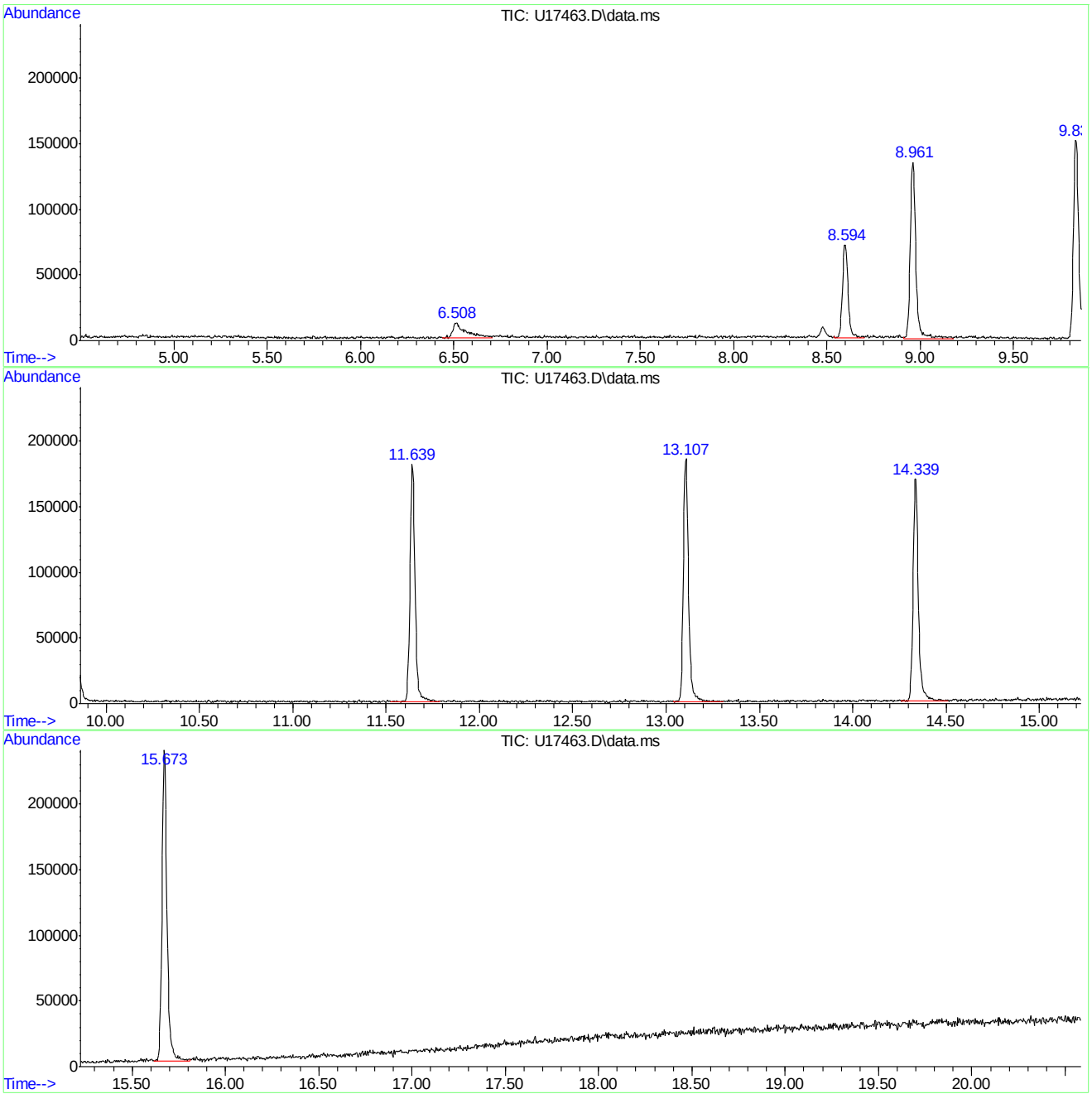
Sum of corrected areas: 2268551

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U140121\
Data File : U17463.D
Acq On : 21 Jan 2014 6:08 pm
Operator : garyk
Sample : mc27769-8
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17463.D
Acq On : 21 Jan 2014 6:08 pm
Operator : garyk
Sample : mc27769-8
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U140121\
Data File : U17463.D
Acq On : 21 Jan 2014 6:08 pm
Operator : garyk
Sample : mc27769-8
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

7.1.16

7

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17464.D
Acq On : 21 Jan 2014 6:36 pm
Operator : garyk
Sample : mc27769-9
Misc : ms30992,msu825,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jan 22 08:24:49 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

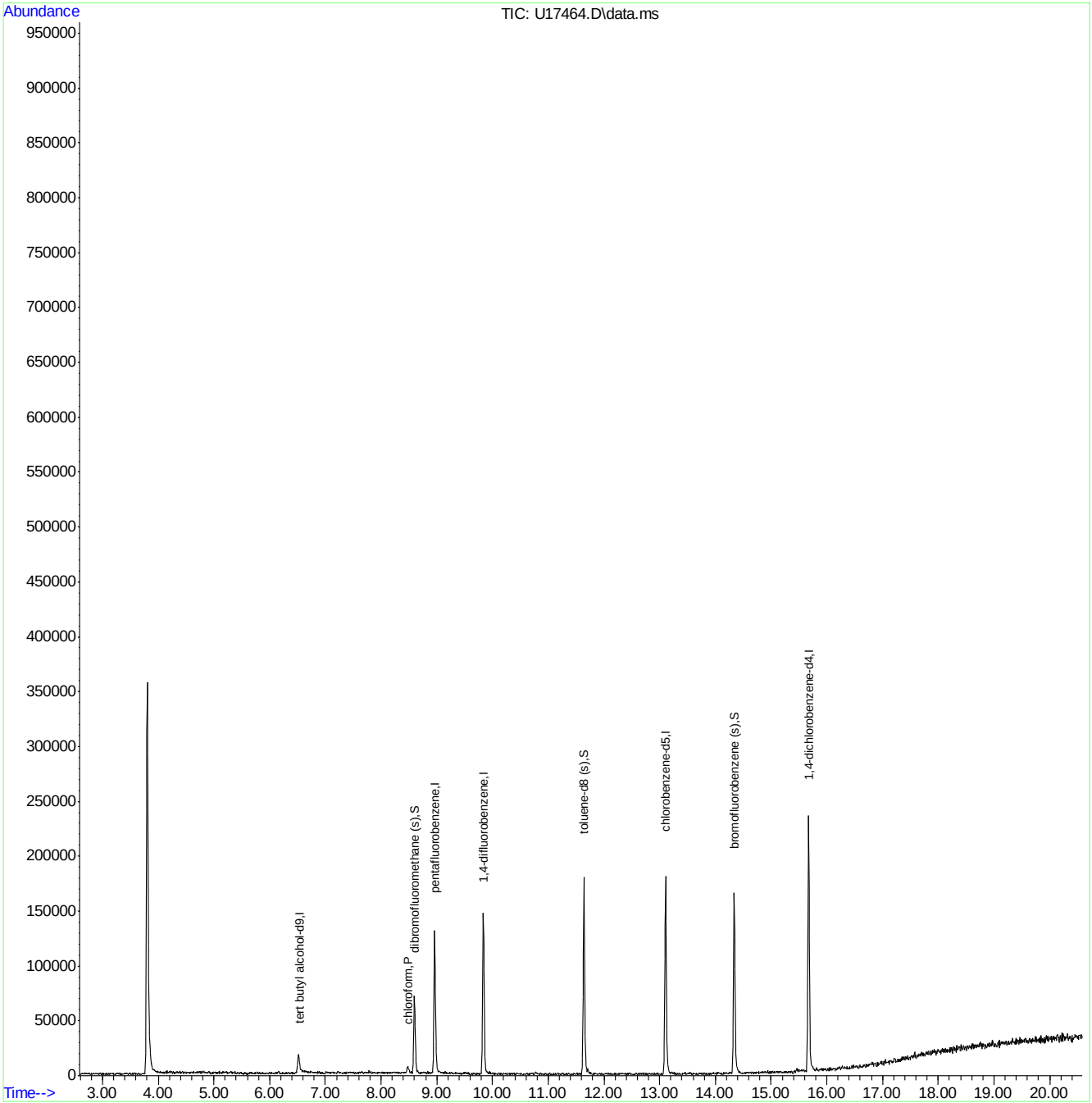
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.548	65	30112	500.00	ppb	#-0.07
4) pentafluorobenzene	8.964	168	84801	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.838	114	105587	50.00	ppb	0.00
66) chlorobenzene-d5	13.108	82	54266	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.676	152	63652	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.600	113	37836	52.97	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.94%			
60) toluene-d8 (s)	11.643	98	113525	48.53	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.06%			
82) bromofluorobenzene (s)	14.339	95	49904	51.08	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.16%			
Target Compounds						Qvalue
39) chloroform	8.479	83	3932	2.74	ppb	85

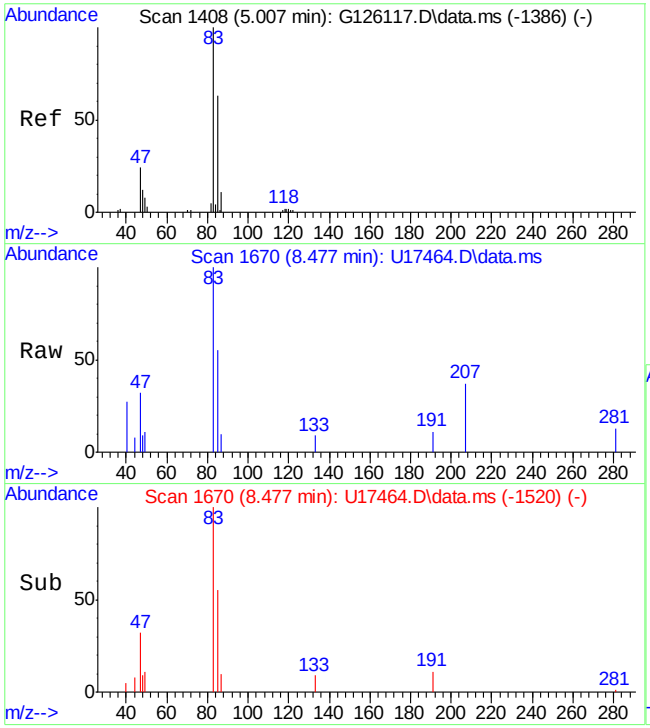
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17464.D
Acq On : 21 Jan 2014 6:36 pm
Operator : garyk
Sample : mc27769-9
Misc : ms30992,msu825,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jan 22 08:24:49 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

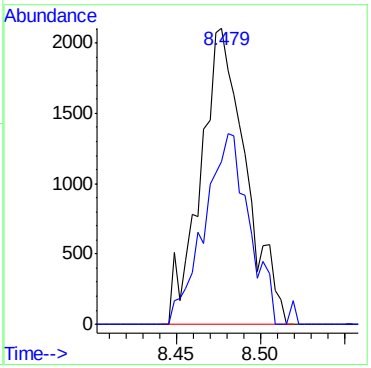




#39
chloroform
Concen: 2.74 ppb
RT: 8.479 min Scan# 1670
Delta R.T. 0.001 min
Lab File: U17464.D
Acq: 21 Jan 2014 6:36 pm

Tgt Ion: 83 Resp: 3932

Ion	Ratio	Lower	Upper
83	100		
85	55.1	36.9	96.9



7.1.17

7

LSC Area Percent Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17464.D
Acq On : 21 Jan 2014 6:36 pm
Operator : garyk
Sample : mc27769-9
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U140117W.m
Title : SW-846 Method 8260

Signal : TIC: U17464.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.511	1094	1113	1164	rBV3	16889	56289	12.74%	2.473%
2	8.597	1684	1704	1734	rBV3	70613	140650	31.83%	6.180%
3	8.961	1784	1807	1849	rBV2	130272	261690	59.22%	11.498%
4	9.832	2014	2054	2089	rBV2	147113	290664	65.77%	12.771%
5	11.639	2534	2566	2609	rVB2	180231	355544	80.46%	15.622%
6	13.107	2934	2982	3009	rBV	180758	350596	79.34%	15.405%
7	14.339	3299	3331	3374	rBV	164913	328181	74.26%	14.420%
8	15.673	3689	3709	3744	rBV2	232513	441916	100.00%	19.417%
9	19.092	4664	4678	4734	rBV2	6701	50372	11.40%	2.213%

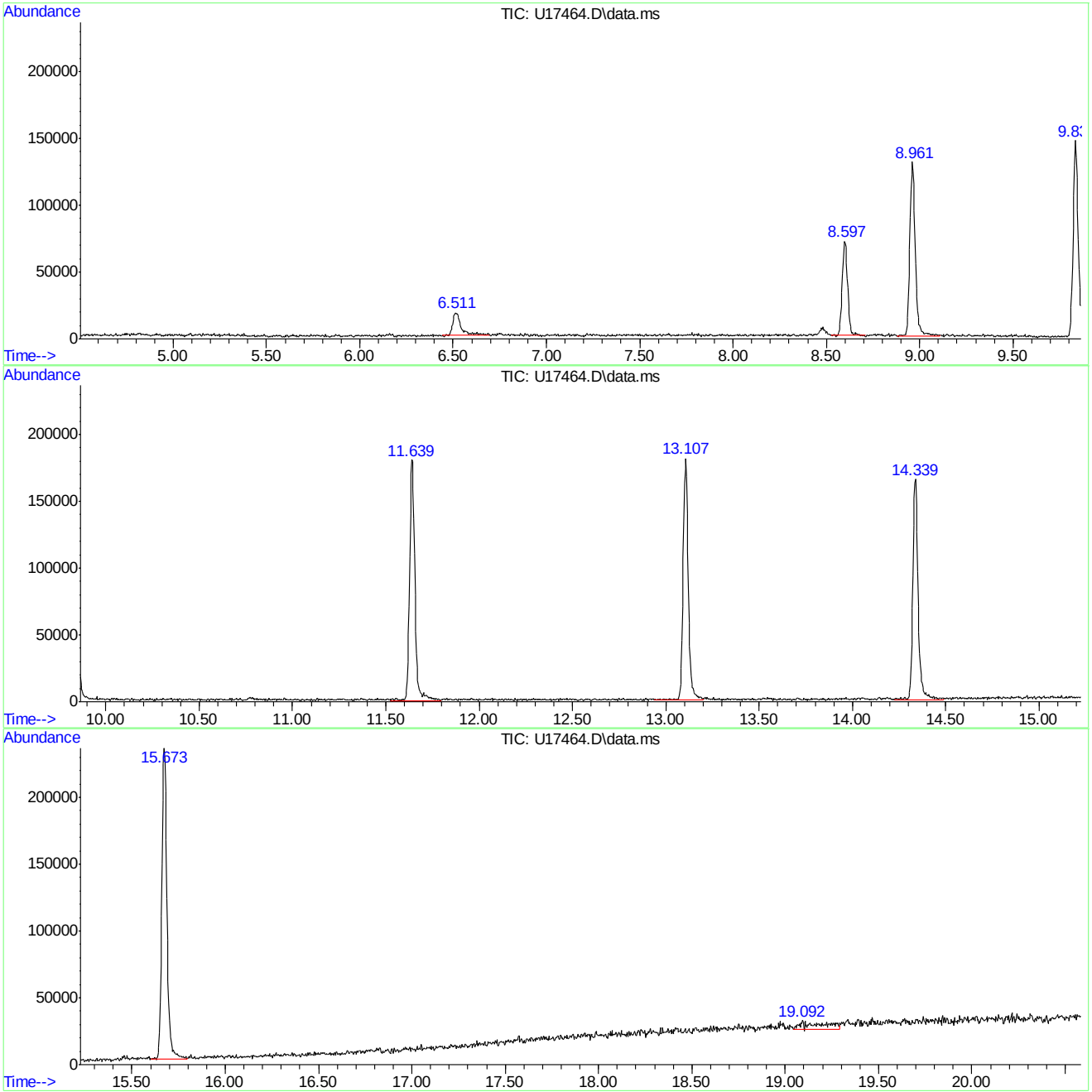
Sum of corrected areas: 2275902

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U140121\
Data File : U17464.D
Acq On : 21 Jan 2014 6:36 pm
Operator : garyk
Sample : mc27769-9
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17464.D
Acq On : 21 Jan 2014 6:36 pm
Operator : garyk
Sample : mc27769-9
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U140121\
Data File : U17464.D
Acq On : 21 Jan 2014 6:36 pm
Operator : garyk
Sample : mc27769-9
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 24 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17465.D
Acq On : 21 Jan 2014 7:03 pm
Operator : garyk
Sample : mc27769-10
Misc : ms30992,msu825,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jan 22 08:25:44 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

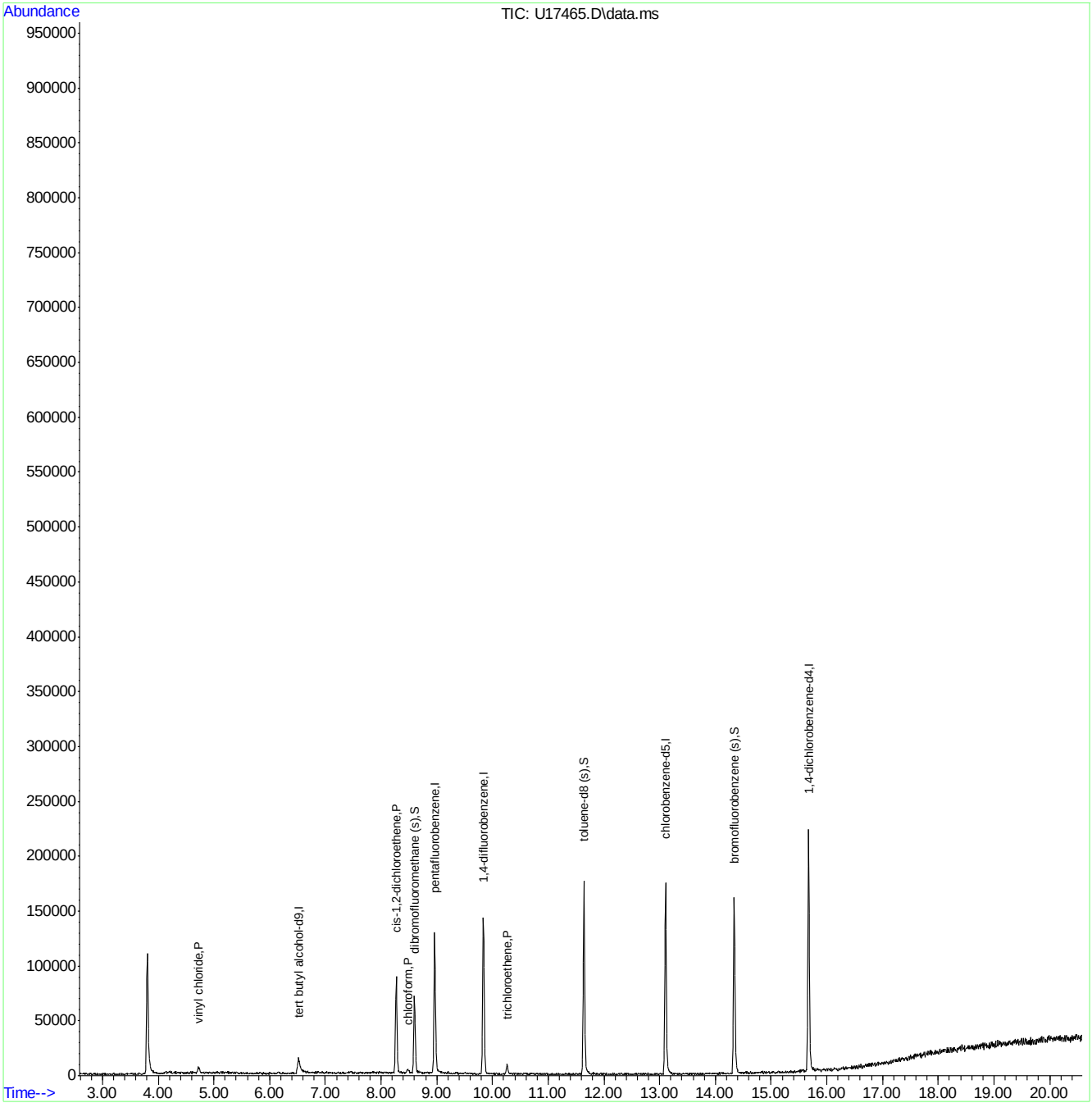
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.529	65	22178	500.00	ppb	-0.08
4) pentafluorobenzene	8.966	168	82880	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.839	114	102538	50.00	ppb	0.00
66) chlorobenzene-d5	13.109	82	50752	50.00	ppb	# 0.00
80) 1,4-dichlorobenzene-d4	15.675	152	59148	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.600	113	37628	53.90	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.80%			
60) toluene-d8 (s)	11.644	98	109331	48.13	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.26%			
82) bromofluorobenzene (s)	14.340	95	50267	55.37	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.74%			
Target Compounds						Qvalue
7) vinyl chloride	4.729	62	5543	7.53	ppb	99
37) cis-1,2-dichloroethene	8.271	96	29609	43.88	ppb	87
39) chloroform	8.479	83	2092	1.49	ppb	93
51) trichloroethene	10.263	95	2680	3.77	ppb	88

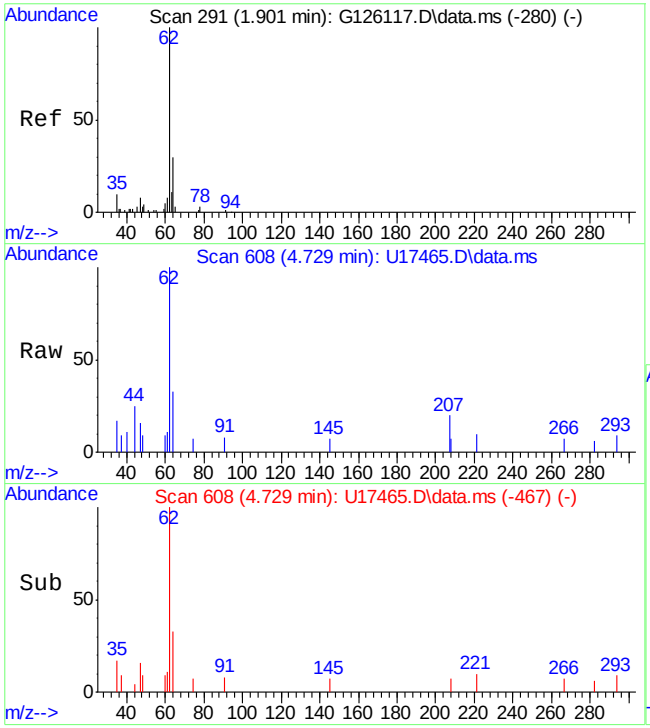
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17465.D
Acq On : 21 Jan 2014 7:03 pm
Operator : garyk
Sample : mc27769-10
Misc : ms30992,msu825,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jan 22 08:25:44 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

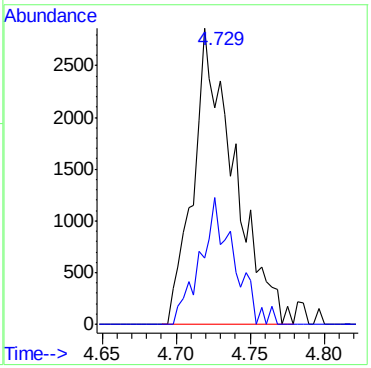


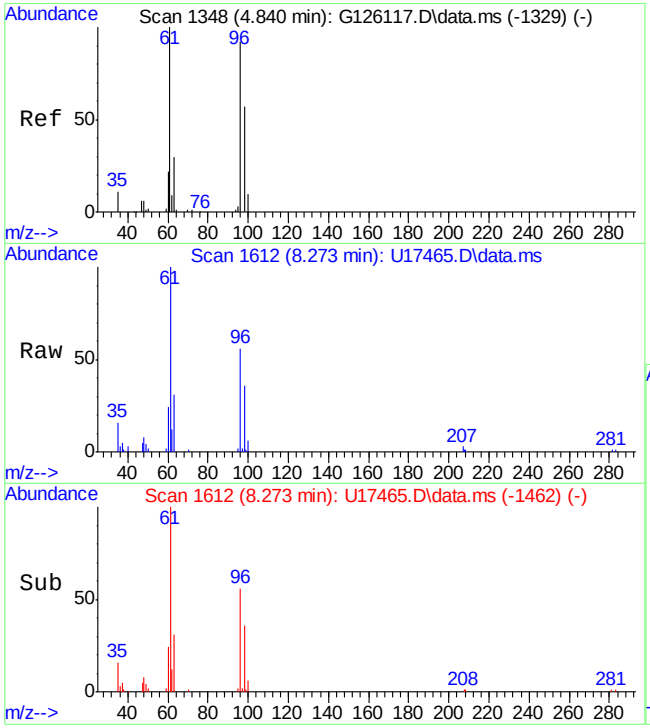


#7
vinyl chloride
Concen: 7.53 ppb
RT: 4.729 min Scan# 608
Delta R.T. -0.004 min
Lab File: U17465.D
Acq: 21 Jan 2014 7:03 pm

Tgt Ion: 62 Resp: 5543

Ion	Ratio	Lower	Upper
62	100		
64	32.6	1.8	61.8

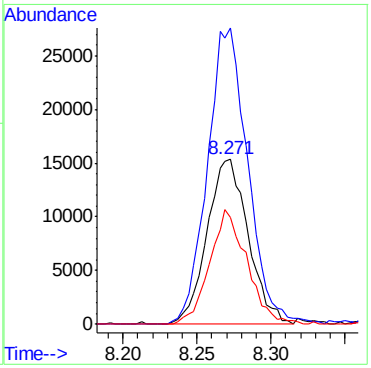


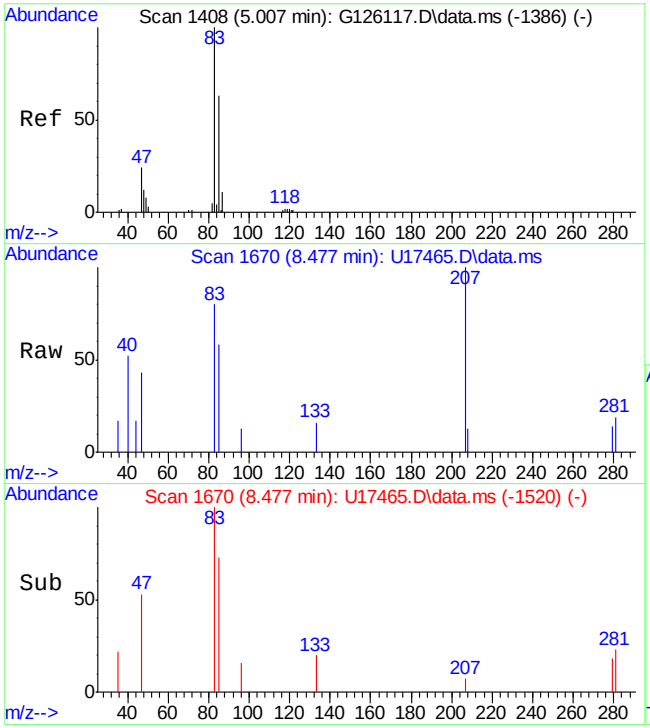


#37
cis-1,2-dichloroethene
Concen: 43.88 ppb
RT: 8.271 min Scan# 1612
Delta R.T. -0.001 min
Lab File: U17465.D
Acq: 21 Jan 2014 7:03 pm

Tgt Ion: 96 Resp: 29609

Ion	Ratio	Lower	Upper
96	100		
61	179.0	126.3	186.3
98	64.7	36.2	96.2

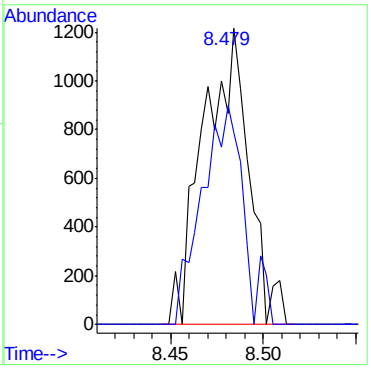


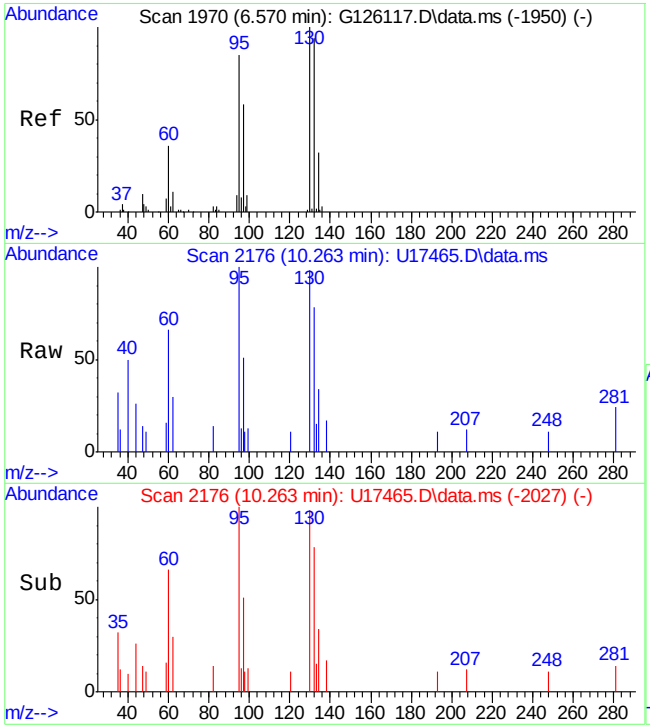


#39
chloroform
Concen: 1.49 ppb
RT: 8.479 min Scan# 1670
Delta R.T. 0.001 min
Lab File: U17465.D
Acq: 21 Jan 2014 7:03 pm

Tgt Ion: 83 Resp: 2092

Ion	Ratio	Lower	Upper
83	100		
85	72.7	36.9	96.9

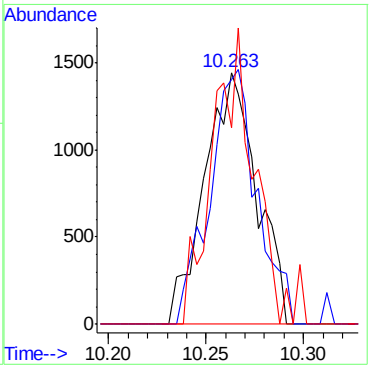




#51
trichloroethene
Concen: 3.77 ppb
RT: 10.263 min Scan# 2176
Delta R.T. 0.005 min
Lab File: U17465.D
Acq: 21 Jan 2014 7:03 pm

Tgt Ion: 95 Resp: 2680

Ion	Ratio	Lower	Upper
95	100		
130	97.5	58.8	118.8
132	78.0	62.5	122.5



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17465.D
Acq On : 21 Jan 2014 7:03 pm
Operator : garyk
Sample : mc27769-10
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U140117W.m
Title : SW-846 Method 8260

Signal : TIC: U17465.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.519	1088	1115	1153	rBV2	15496	61608	14.86%	2.634%
2	8.273	1573	1612	1658	rBV	87924	179574	43.30%	7.678%
3	8.597	1688	1704	1753	rVB3	70810	143862	34.69%	6.151%
4	8.961	1778	1807	1838	rBV	129370	262896	63.40%	11.240%
5	9.832	2028	2054	2098	rBV2	143043	286760	69.15%	12.261%
6	11.639	2533	2566	2613	rBV3	176933	344587	83.10%	14.733%
7	13.107	2948	2982	3018	rBV	174794	336920	81.25%	14.405%
8	14.335	3303	3330	3363	rBV3	160871	307994	74.27%	13.168%
9	15.673	3683	3709	3743	rBV2	220570	414687	100.00%	17.730%

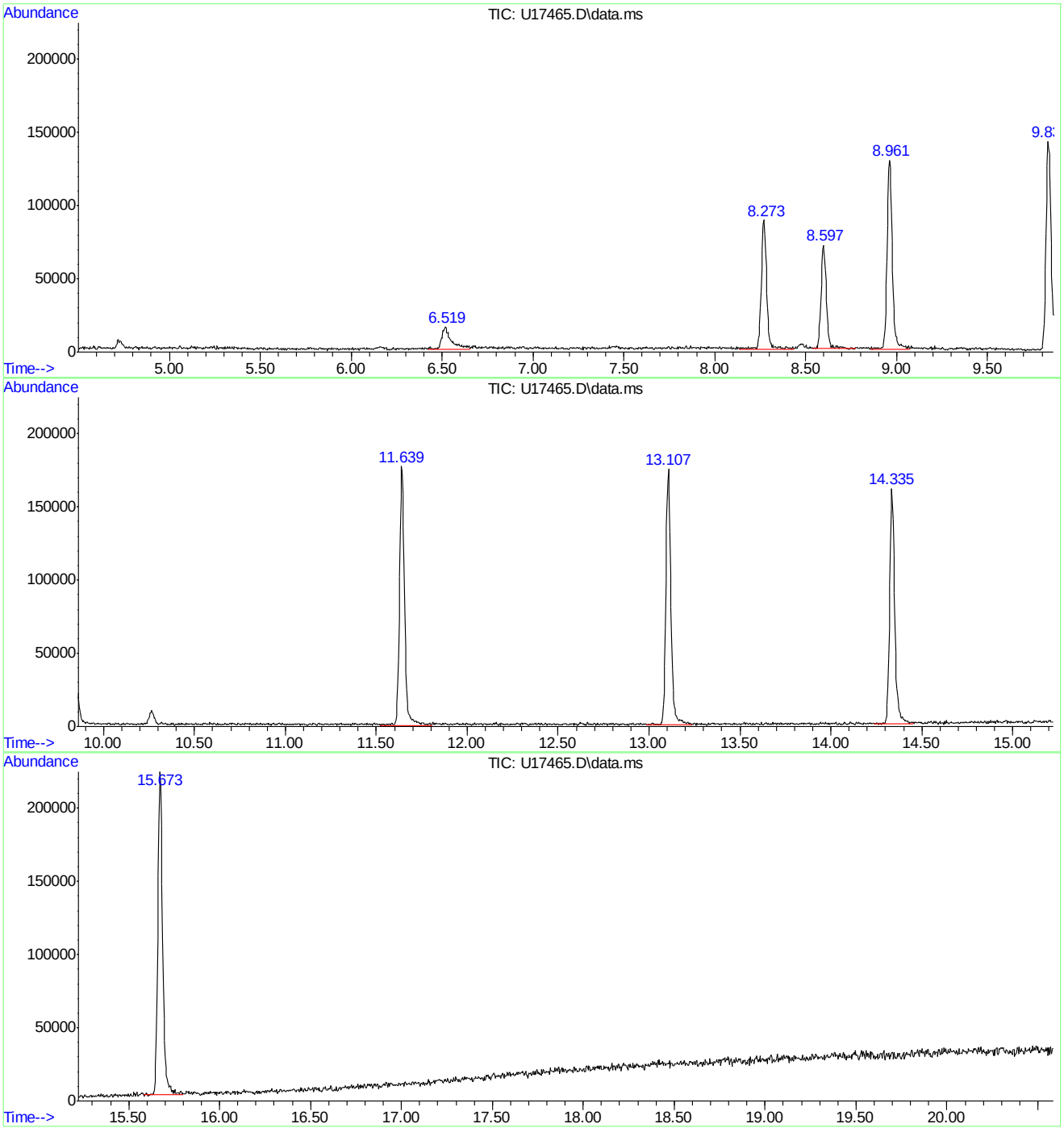
Sum of corrected areas: 2338888

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U140121\
Data File : U17465.D
Acq On : 21 Jan 2014 7:03 pm
Operator : garyk
Sample : mc27769-10
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Title :

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



U140117W.m Wed Jan 22 08:55:45 2014 Page: 2

Library Search Compound Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17465.D
Acq On : 21 Jan 2014 7:03 pm
Operator : garyk
Sample : mc27769-10
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Title :

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U140121\
Data File : U17465.D
Acq On : 21 Jan 2014 7:03 pm
Operator : garyk
Sample : mc27769-10
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Title :

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp Conc

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/22/14 09:42

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17466.D
Acq On : 21 Jan 2014 7:30 pm
Operator : garyk
Sample : mc27769-11
Misc : ms30992,msu825,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jan 22 08:26:26 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

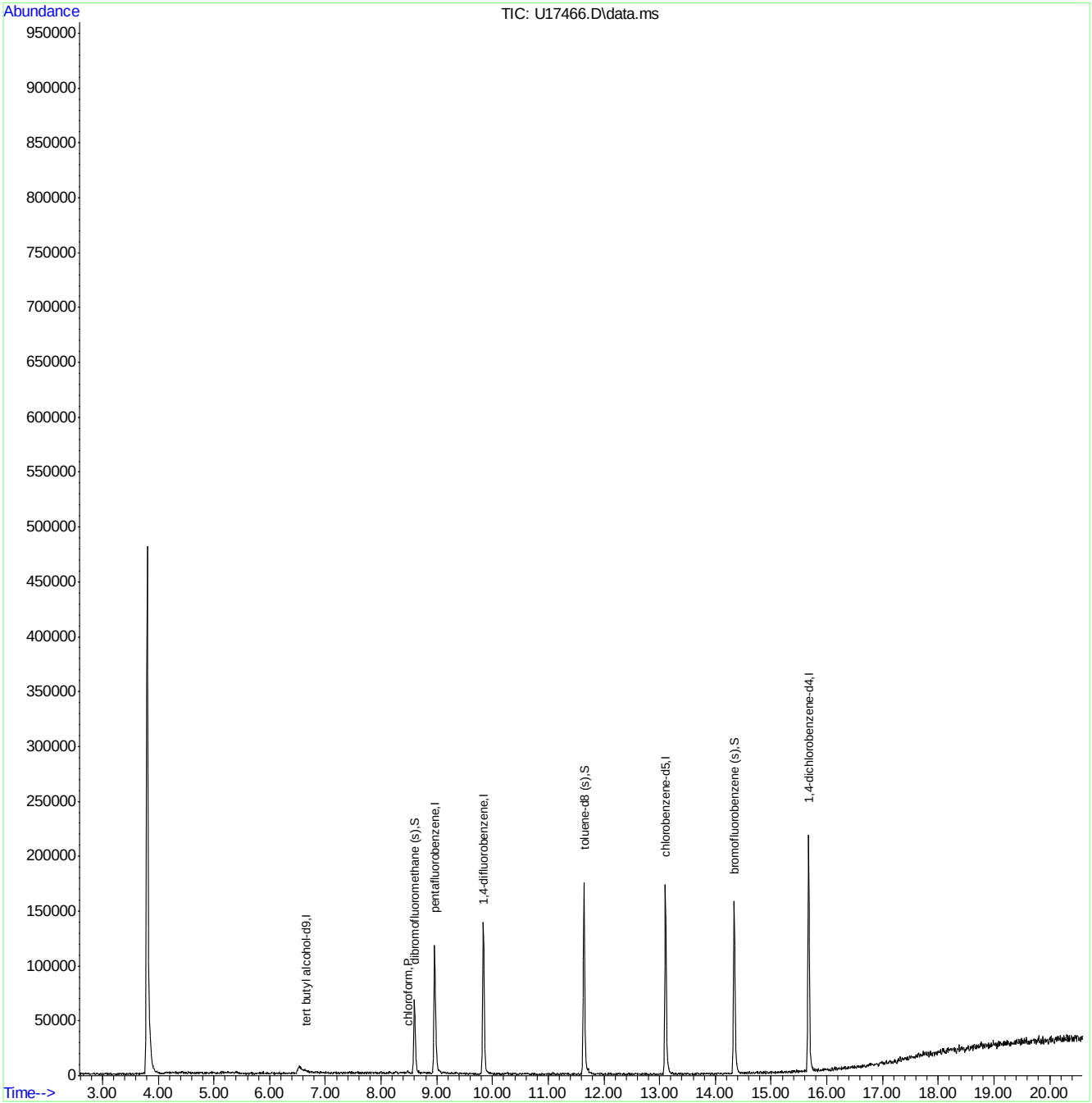
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.656	65	30167m	500.00	ppb	0.04
4) pentafluorobenzene	8.968	168	84586	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.841	114	106101	50.00	ppb	0.00
66) chlorobenzene-d5	13.110	82	54015	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.677	152	61326	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.602	113	39317	55.18	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.36%			
60) toluene-d8 (s)	11.646	98	115215	49.01	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.02%			
82) bromofluorobenzene (s)	14.341	95	50222	53.35	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.70%			
Target Compounds						Qvalue
39) chloroform	8.479	83	1397	0.98	ppb	# 49

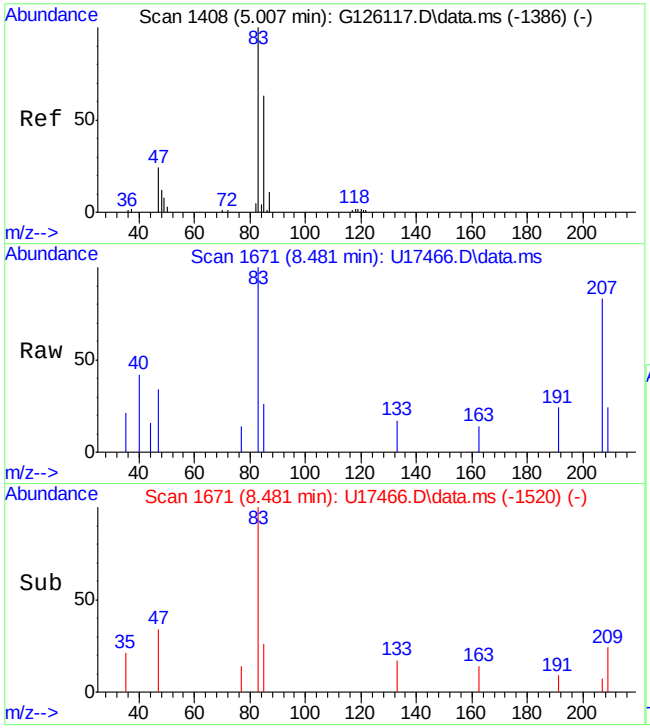
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17466.D
Acq On : 21 Jan 2014 7:30 pm
Operator : garyk
Sample : mc27769-11
Misc : ms30992,msu825,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jan 22 08:26:26 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

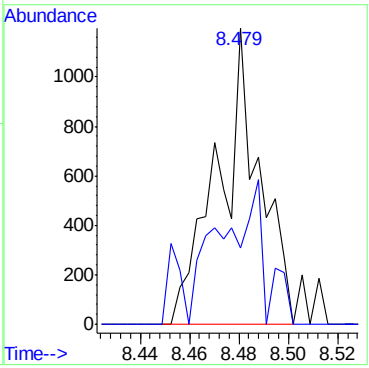




#39
chloroform
Concen: 0.98 ppb
RT: 8.479 min Scan# 1671
Delta R.T. 0.001 min
Lab File: U17466.D
Acq: 21 Jan 2014 7:30 pm

Tgt Ion: 83 Resp: 1397

Ion	Ratio	Lower	Upper
83	100		
85	25.7	36.9	96.9#



7.1.21

7

LSC Area Percent Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17466.D
Acq On : 21 Jan 2014 7:30 pm
Operator : garyk
Sample : mc27769-11
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U140117W.m
Title : SW-846 Method 8260

Signal : TIC: U17466.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.597	1688	1704	1733	rBV2	67757	146865	35.16%	6.841%
2	8.961	1788	1807	1853	rVB3	116865	267483	64.03%	12.459%
3	9.836	2038	2055	2133	rBV2	138982	295071	70.64%	13.744%
4	11.643	2543	2567	2618	rVB	174706	356037	85.23%	16.584%
5	13.104	2958	2981	3023	rVB2	173518	343958	82.34%	16.022%
6	14.335	3313	3330	3378	rBV3	157597	319699	76.53%	14.892%
7	15.673	3663	3709	3743	rBV3	215556	417723	100.00%	19.458%

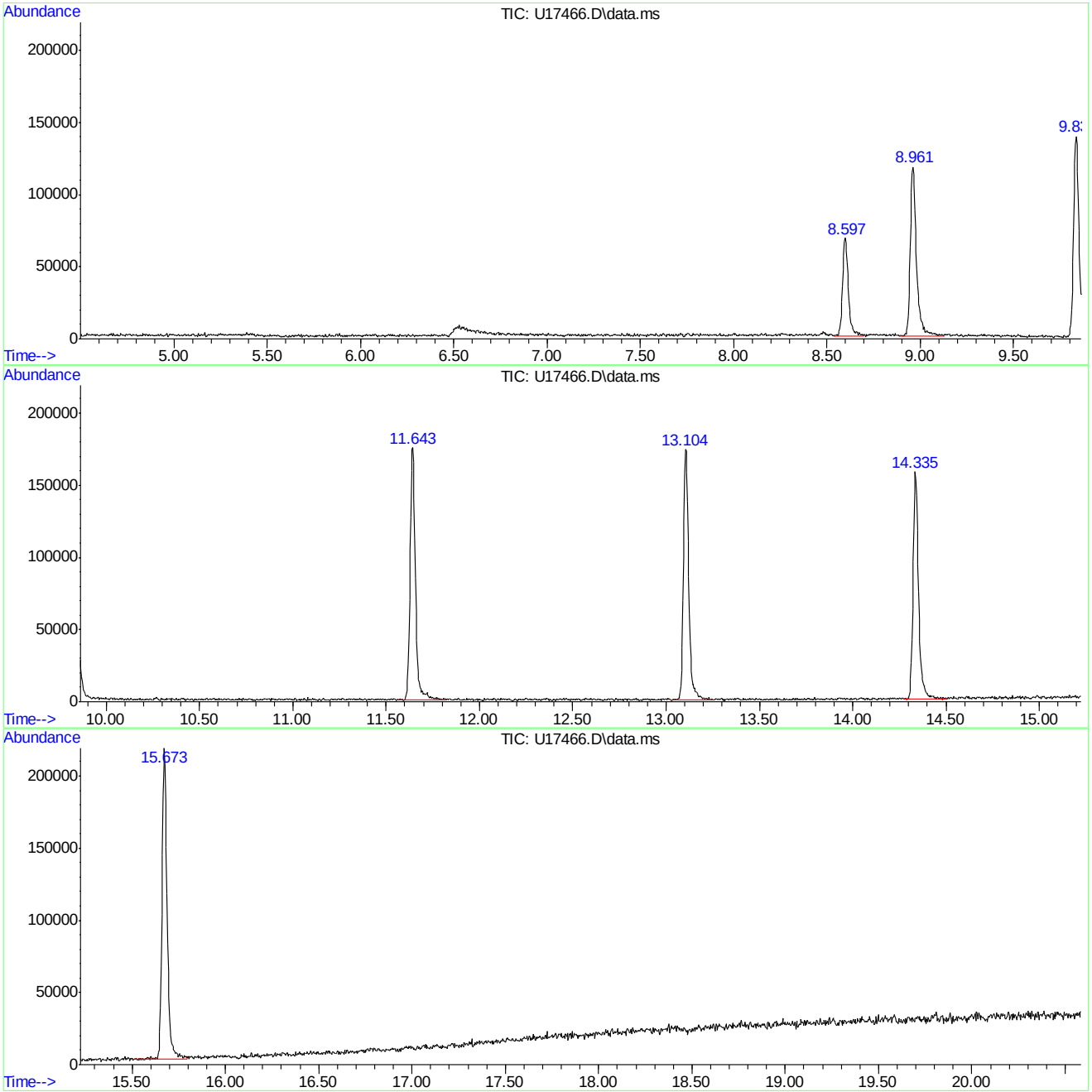
Sum of corrected areas: 2146836

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U140121\
Data File : U17466.D
Acq On : 21 Jan 2014 7:30 pm
Operator : garyk
Sample : mc27769-11
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17466.D
Acq On : 21 Jan 2014 7:30 pm
Operator : garyk
Sample : mc27769-11
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U140121\
Data File : U17466.D
Acq On : 21 Jan 2014 7:30 pm
Operator : garyk
Sample : mc27769-11
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/22/14 09:42

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17467.D
Acq On : 21 Jan 2014 7:57 pm
Operator : garyk
Sample : mc27769-12
Misc : ms30992,msu825,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jan 22 08:33:36 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

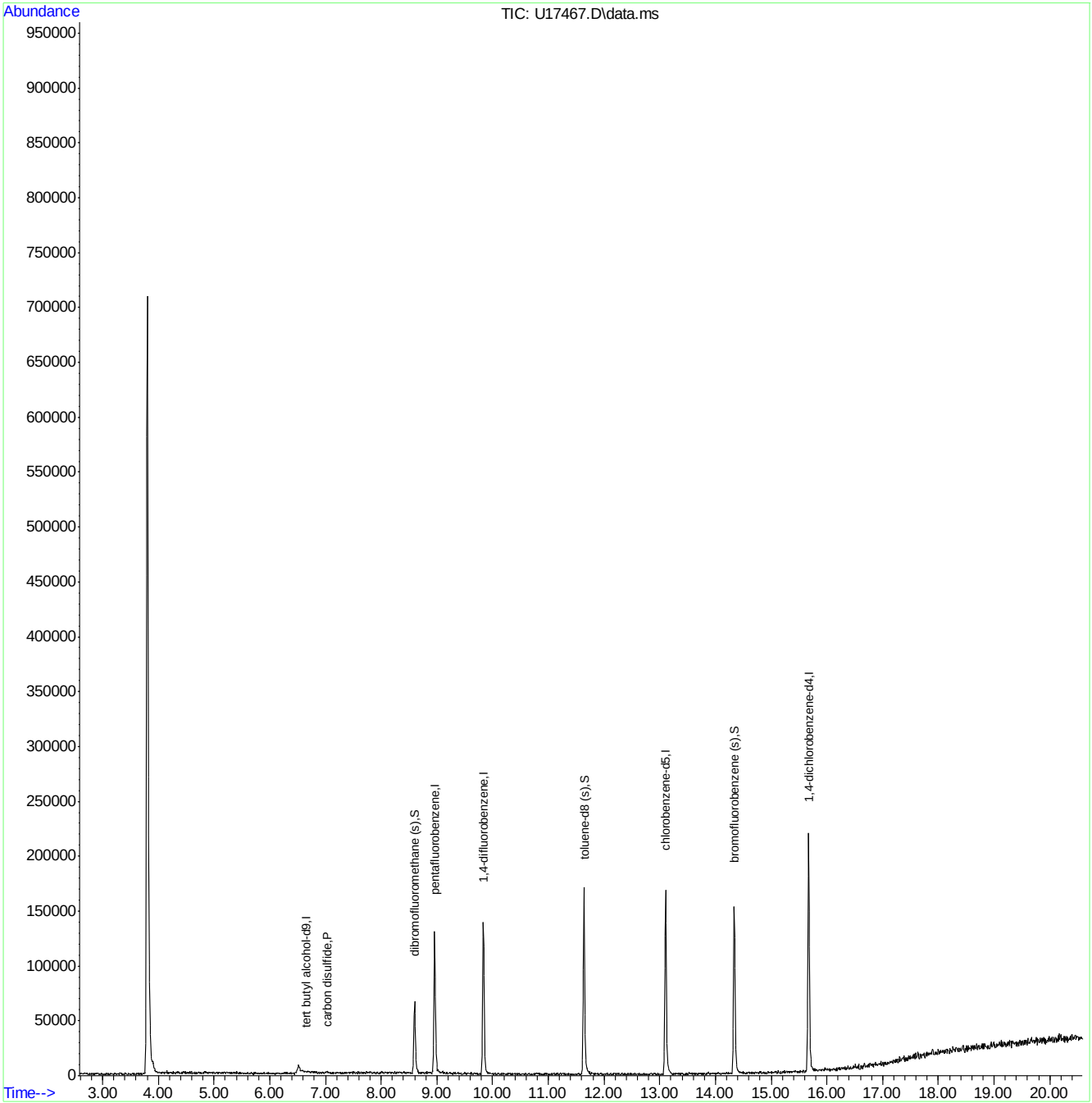
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.660	65	24909m	500.00	ppb	0.05
4) pentafluorobenzene	8.965	168	80351	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.838	114	100053	50.00	ppb	0.00
66) chlorobenzene-d5	13.109	82	52844	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.676	152	60781	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.601	113	36292	53.62	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.24%			
60) toluene-d8 (s)	11.645	98	110355	49.78	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.56%			
82) bromofluorobenzene (s)	14.340	95	48464	51.95	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.90%			
Target Compounds						Qvalue
24) carbon disulfide	7.029	76	1177	0.75	ppb	76

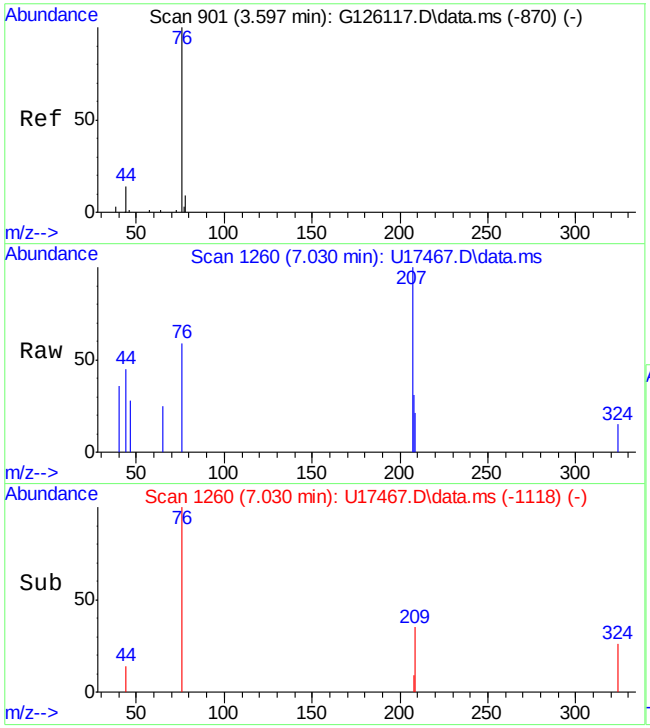
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17467.D
Acq On : 21 Jan 2014 7:57 pm
Operator : garyk
Sample : mc27769-12
Misc : ms30992,msu825,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jan 22 08:33:36 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

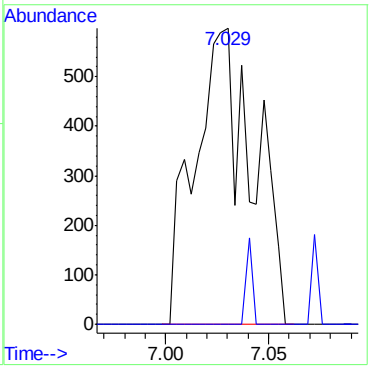




#24
carbon disulfide
Concen: 0.75 ppb
RT: 7.029 min Scan# 1260
Delta R.T. 0.000 min
Lab File: U17467.D
Acq: 21 Jan 2014 7:57 pm

Tgt Ion: 76 Resp: 1177

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	38.8



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17467.D
Acq On : 21 Jan 2014 7:57 pm
Operator : garyk
Sample : mc27769-12
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U140117W.m
Title : SW-846 Method 8260

Signal : TIC: U17467.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.600	1689	1705	1734	rBV3	65851	138866	32.44%	6.681%
2	8.960	1789	1807	1849	rVB	129562	259860	60.71%	12.502%
3	9.836	2039	2055	2084	rBV2	138756	273815	63.97%	13.174%
4	11.639	2549	2566	2594	rBV3	170191	326628	76.31%	15.715%
5	13.107	2954	2982	3029	rBV2	168031	344644	80.52%	16.582%
6	14.338	3309	3331	3364	rBV	151843	306656	71.65%	14.754%
7	15.672	3689	3709	3744	rBV2	218496	428008	100.00%	20.592%

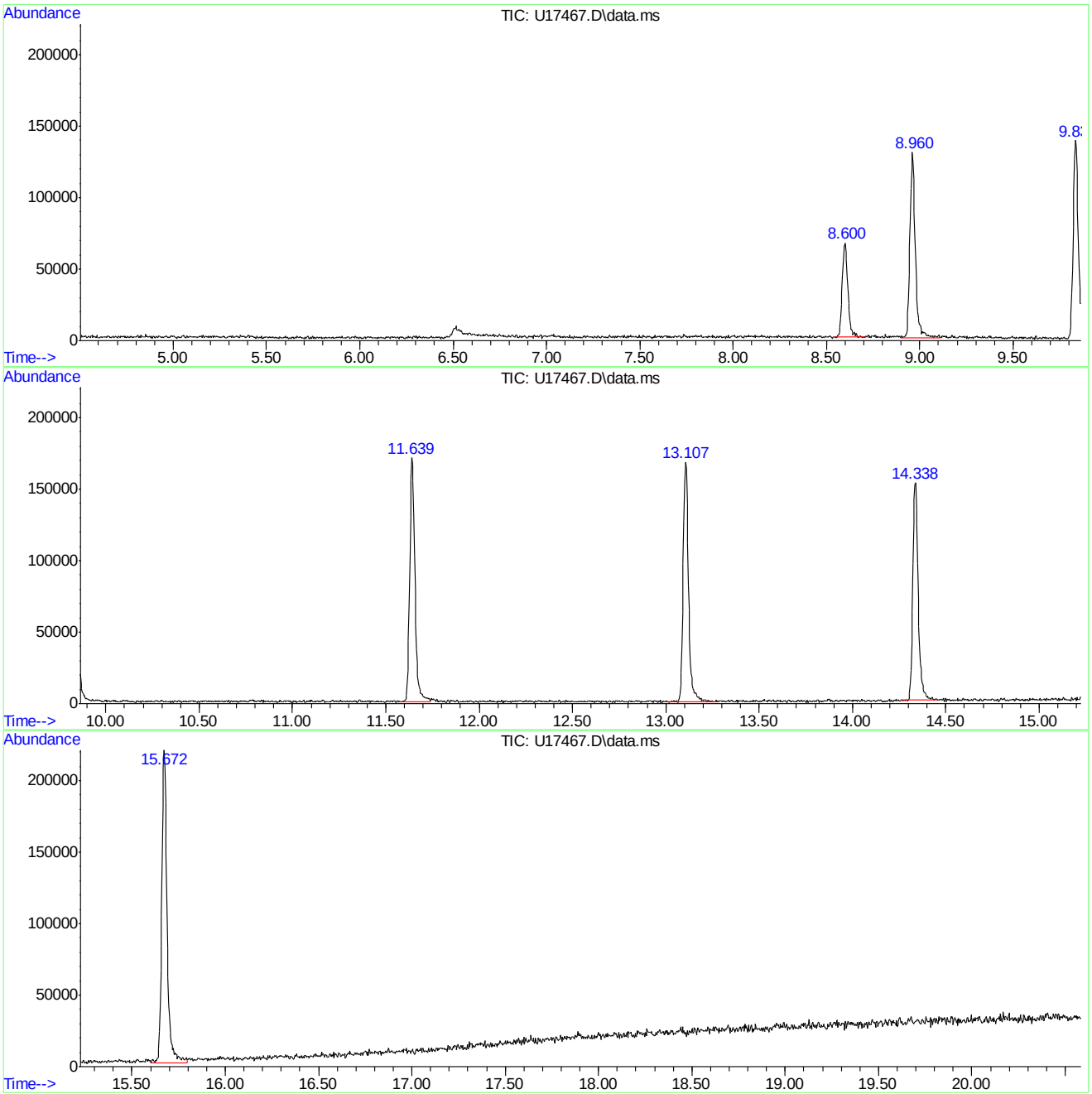
Sum of corrected areas: 2078477

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U140121\
Data File : U17467.D
Acq On : 21 Jan 2014 7:57 pm
Operator : garyk
Sample : mc27769-12
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17467.D
Acq On : 21 Jan 2014 7:57 pm
Operator : garyk
Sample : mc27769-12
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U140121\
Data File : U17467.D
Acq On : 21 Jan 2014 7:57 pm
Operator : garyk
Sample : mc27769-12
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17447.D
Acq On : 21 Jan 2014 10:51 am
Operator : garyk
Sample : mc27769-13
Misc : ms30992,msu825,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 21 11:26:37 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

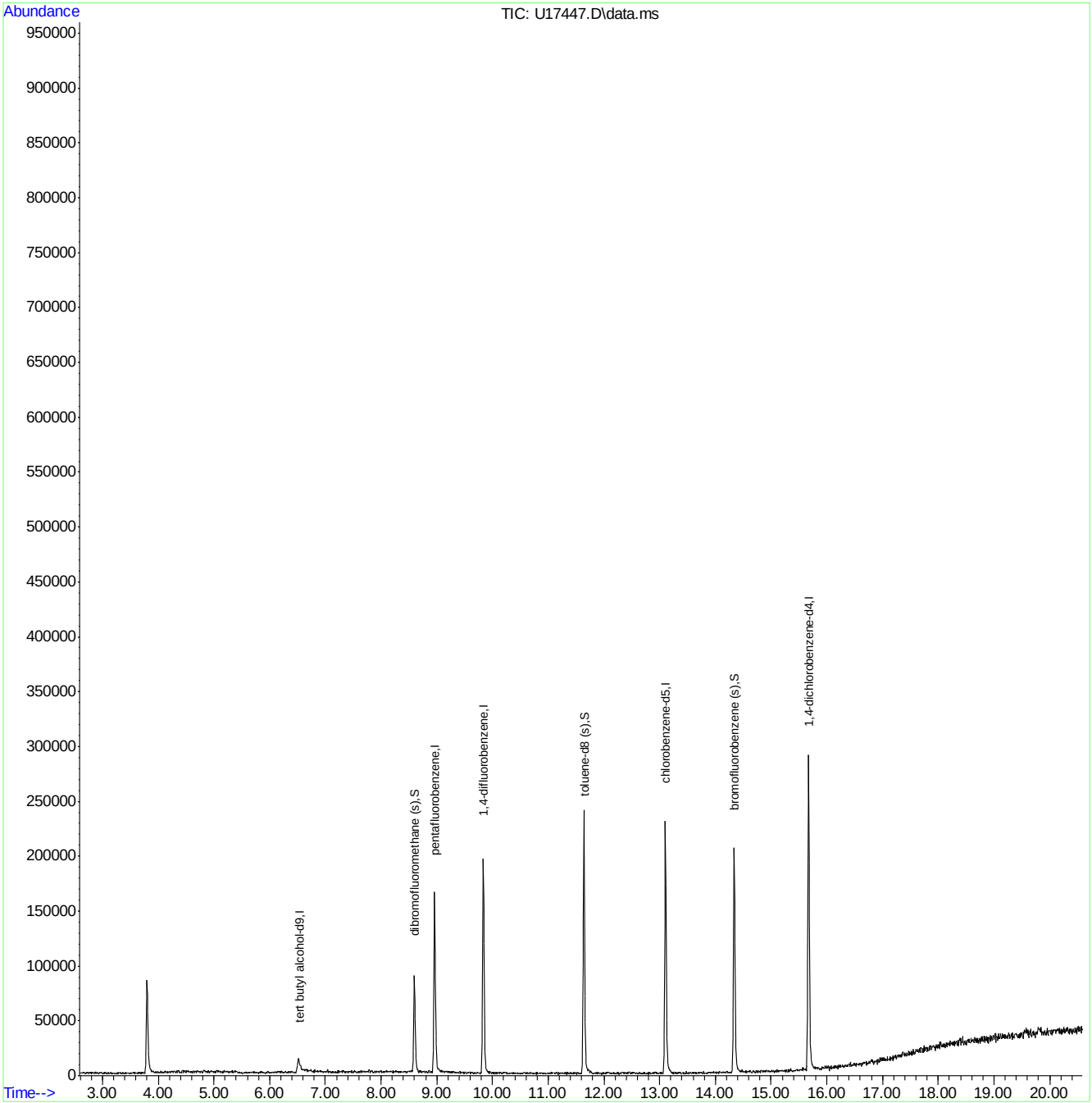
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.548	65	25883	500.00	ppb	-0.07
4) pentafluorobenzene	8.965	168	106488	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.837	114	139201	50.00	ppb	0.00
66) chlorobenzene-d5	13.109	82	69361	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.676	152	81911	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.600	113	47683	53.16	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.32%			
60) toluene-d8 (s)	11.644	98	153858	49.89	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.78%			
82) bromofluorobenzene (s)	14.340	95	66899	53.21	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.42%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17447.D
Acq On : 21 Jan 2014 10:51 am
Operator : garyk
Sample : mc27769-13
Misc : ms30992,msu825,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 21 11:26:37 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17447.D
Acq On : 21 Jan 2014 10:51 am
Operator : garyk
Sample : mc27769-13
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U140117W.m
Title : SW-846 Method 8260

Signal : TIC: U17447.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.519	1098	1115	1163	rBV3	13952	67593	12.02%	2.369%
2	8.597	1678	1704	1738	rVB	88209	175185	31.16%	6.141%
3	8.957	1783	1806	1848	rBV2	164483	335442	59.67%	11.758%
4	9.832	2018	2054	2108	rVB2	195627	387329	68.90%	13.577%
5	11.639	2528	2566	2628	rBV2	241356	476091	84.69%	16.688%
6	13.104	2948	2981	3023	rBV	230163	448150	79.72%	15.709%
7	14.335	3313	3330	3363	rBV3	204756	400915	71.32%	14.053%
8	15.673	3673	3709	3773	rBV	287242	562156	100.00%	19.705%

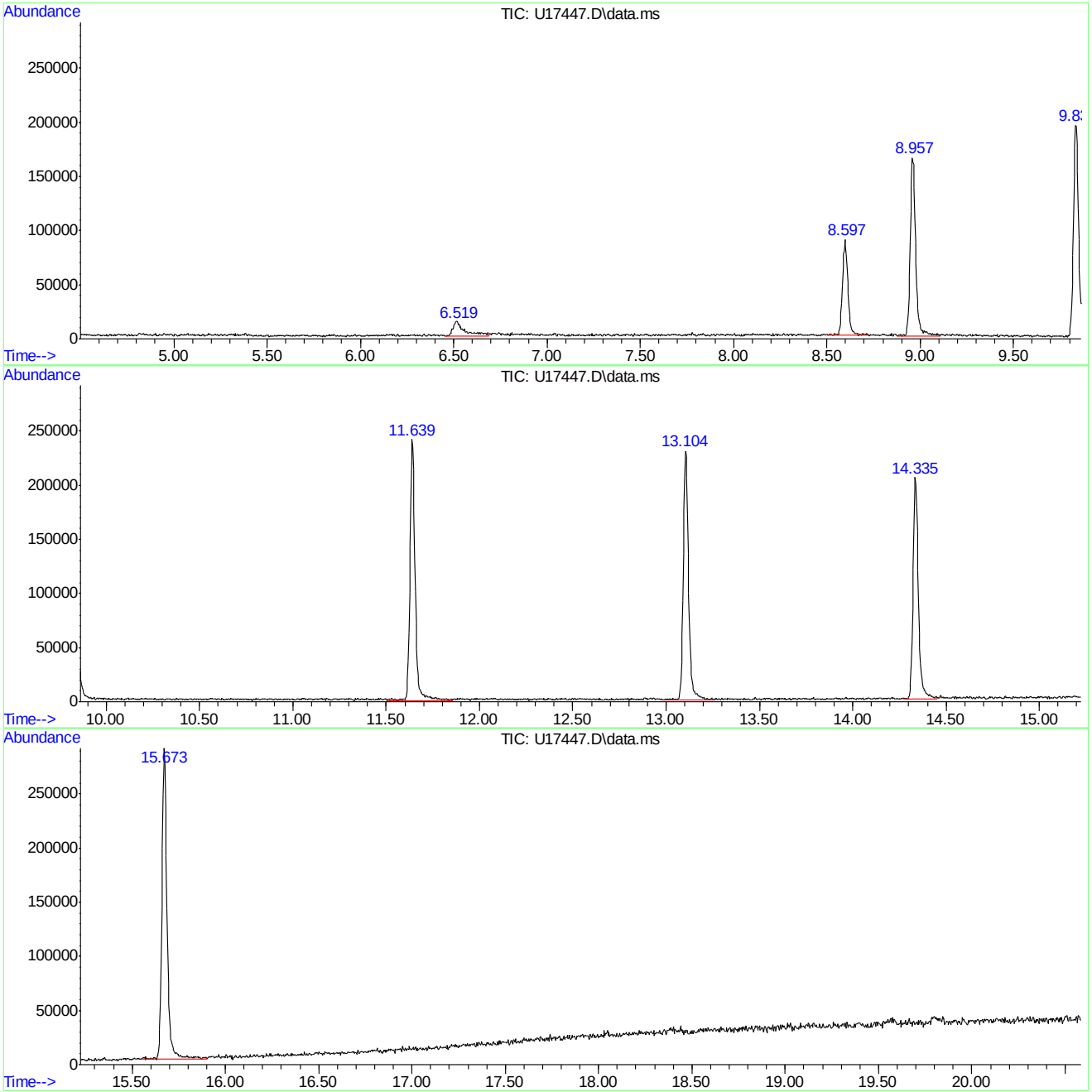
Sum of corrected areas: 2852861

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U140121\
Data File : U17447.D
Acq On : 21 Jan 2014 10:51 am
Operator : garyk
Sample : mc27769-13
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17447.D
Acq On : 21 Jan 2014 10:51 am
Operator : garyk
Sample : mc27769-13
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U140121\
Data File : U17447.D
Acq On : 21 Jan 2014 10:51 am
Operator : garyk
Sample : mc27769-13
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17446.D
Acq On : 21 Jan 2014 10:24 am
Operator : garyk
Sample : mb
Misc : ms30990,msu825,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 21 11:18:14 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

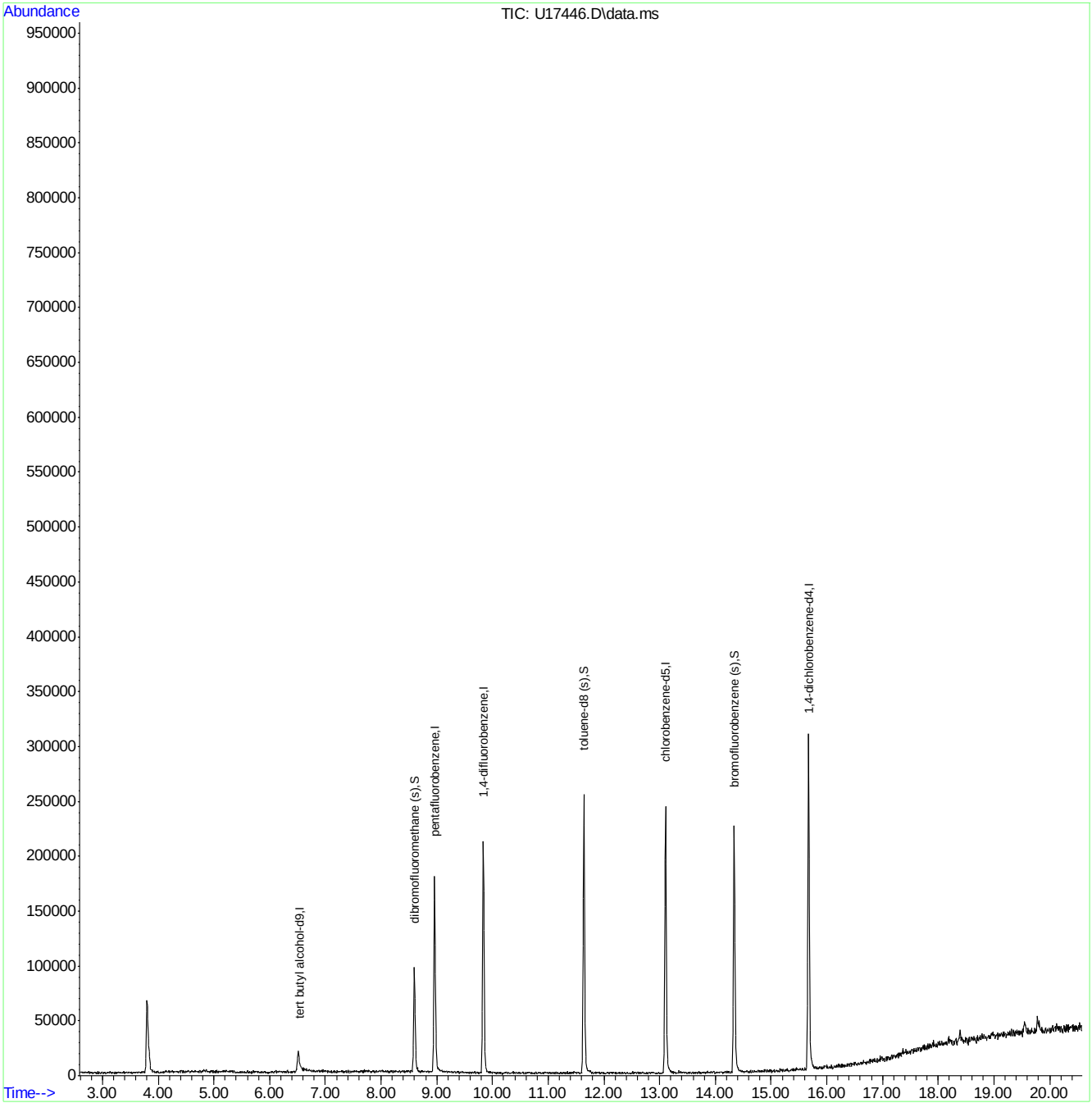
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.541	65	34706	500.00	ppb	-0.07
4) pentafluorobenzene	8.963	168	116227	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.837	114	152237	50.00	ppb	0.00
66) chlorobenzene-d5	13.108	82	76940	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.676	152	87258	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	8.599	113	51818	52.93	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.86%			
60) toluene-d8 (s)	11.643	98	166746	49.44	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.88%			
82) bromofluorobenzene (s)	14.339	95	72244	53.94	ppb	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.88%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17446.D
Acq On : 21 Jan 2014 10:24 am
Operator : garyk
Sample : mb
Misc : ms30990,msu825,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 21 11:18:14 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration



LSC Area Percent Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17446.D
Acq On : 21 Jan 2014 10:24 am
Operator : garyk
Sample : mb
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.4 Max Peaks: 100
Stop Thrs : 0.6 Peak Location: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\msdchem\1\methods\U140117W.m
Title : SW-846 Method 8260

Signal : TIC: U17446.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.512	1093	1113	1158	rBV2	19364	69397	11.83%	2.246%
2	8.597	1688	1704	1733	rVB2	94748	188617	32.16%	6.104%
3	8.961	1773	1807	1843	rBV2	178696	363796	62.03%	11.774%
4	9.836	2033	2055	2108	rBV	211515	409874	69.88%	13.265%
5	11.639	2543	2566	2618	rBV3	254385	500410	85.32%	16.195%
6	13.107	2958	2982	3018	rBV	242717	477077	81.34%	15.440%
7	14.335	3308	3330	3368	rBV3	225402	441830	75.33%	14.299%
8	15.673	3693	3709	3743	rBV2	306490	586509	100.00%	18.982%
9	19.784	4858	4874	4908	rVB2	15923	52326	8.92%	1.693%

Sum of corrected areas: 3089836

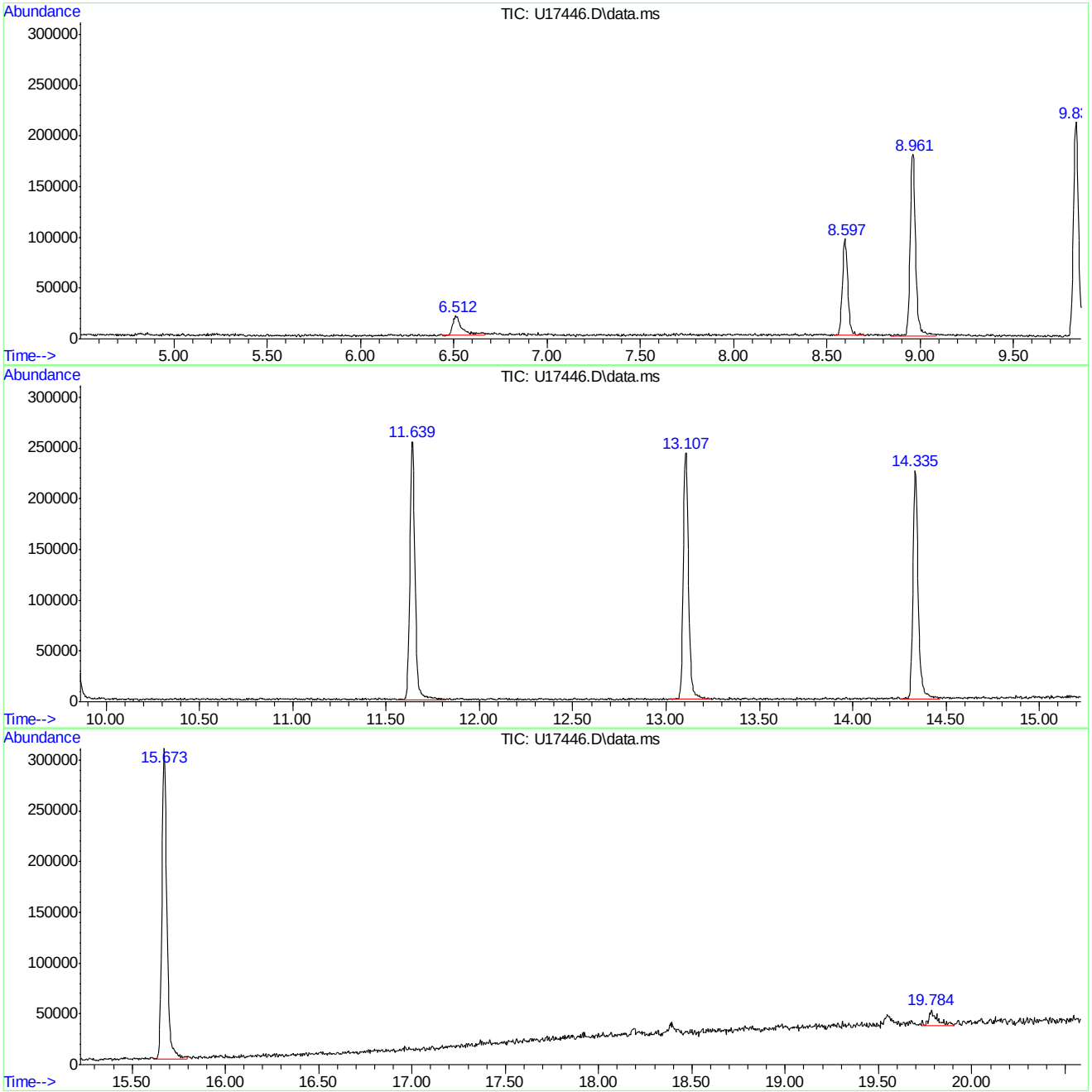
ACCUTEST LABORATORIES MC27769

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\U140121\
Data File : U17446.D
Acq On : 21 Jan 2014 10:24 am
Operator : garyk
Sample : mb
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\U140121\
Data File : U17446.D
Acq On : 21 Jan 2014 10:24 am
Operator : garyk
Sample : mb
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\U140121\
Data File : U17446.D
Acq On : 21 Jan 2014 10:24 am
Operator : garyk
Sample : mb
Misc : ms30992tic,msu825,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

7.2.2

7

Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
01/22/14 09:42

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17443.D
Acq On : 21 Jan 2014 9:02 am
Operator : garyk
Sample : bs
Misc : ms30990,msu825,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 21 09:24:29 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.543	65	44572m	500.00	ppb		-0.07
4) pentafluorobenzene	8.962	168	118977	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.836	114	155595	50.00	ppb		0.00
66) chlorobenzene-d5	13.105	82	81572	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.671	152	92313	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.597	113	52042	51.93	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.86%				
60) toluene-d8 (s)	11.641	98	172635	50.08	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.16%				
82) bromofluorobenzene (s)	14.334	95	75598	53.35	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.70%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.255	59	42383	406.75	ppb		89
3) Ethanol	5.461	45	37096	4999.32	ppb		90
5) dichlorodifluoromethane	4.253	85	66931	51.99	ppb		97
6) chloromethane	4.489	50	77553	52.52	ppb		88
7) vinyl chloride	4.735	62	52633	49.80	ppb		99
8) bromomethane	5.220	96	27536	46.43	ppb		98
9) chloroethane	5.383	64	24553	57.07	ppb		97
10) ethyl ether	6.255	59	42383	53.32	ppb		98
11) acetonitrile	5.924	41	22033	50.55	ppb		96
12) trichlorofluoromethane	6.042	101	106590	51.70	ppb		98
13) freon-113	6.804	101	47952	55.54	ppb		91
14) acrolein	6.000	56	441m	74.16	ppb		
15) 1,1-dichloroethene	6.601	96	40291	53.66	ppb	#	63
16) acetone	6.141	58	7001m	61.17	ppb		
17) Methyl Acetate	6.783	43	51942m	36.73	ppb		
18) methylene chloride	6.751	84	44120	54.04	ppb	#	75
19) methyl tert butyl ether	7.538	73	148369	51.98	ppb		100
20) acrylonitrile	6.653	53	43009	119.06	ppb		92
21) allyl chloride	6.843	41	95980	53.89	ppb		95
22) trans-1,2-dichloroethene	7.442	96	45065	49.17	ppb		87
23) iodomethane	6.661	142	74660	47.73	ppb		71
24) carbon disulfide	7.030	76	116712	49.97	ppb		99
25) propionitrile	8.066	54	6552	54.68	ppb		100
26) vinyl acetate	7.800	43	117390	51.20	ppb		95
27) chloroprene	8.064	53	127383	53.40	ppb		77
28) di-isopropyl ether	8.106	45	201406	51.49	ppb		84
29) methacrylonitrile	8.223	41	39915	52.67	ppb		90
30) 2-butanone	8.114	72	7533m	63.54	ppb		
31) Ethyl Acetate	8.102	43	207632	53.56	ug/L		87
32) Hexane	8.090	41	118946	51.65	ppb	#	82
33) 1,1-dichloroethane	7.697	63	99983	53.47	ppb		98
34) tert-butyl ethyl ether	8.504	59	189192	53.94	ppb		95
35) isobutyl alcohol	8.519	43	40936	264.15	ppb		83
36) 2,2-dichloropropane	8.559	77	70815	55.20	ppb		96

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17443.D
Acq On : 21 Jan 2014 9:02 am
Operator : garyk
Sample : bs
Misc : ms30990,msu825,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 21 09:24:29 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.270	96	48855	50.44	ppb		91
38)	bromochloromethane	8.437	128	26271	52.81	ppb		91
39)	chloroform	8.477	83	102142	50.78	ppb		91
41)	Tetrahydrofuran	8.815	42	17229	51.21	ppb		81
42)	1,1,1-trichloroethane	9.232	97	101339	49.89	ppb		89
44)	Cyclohexane	9.520	56	100190	53.48	ppb		94
45)	carbon tetrachloride	9.598	117	103143	51.14	ppb		94
46)	1,1-dichloropropene	9.408	75	72079	54.59	ppb		99
47)	benzene	9.633	78	169918	52.35	ppb		100
48)	1,2-dichloroethane	9.132	62	112401	48.93	ppb		92
49)	tert-amyl methyl ether	9.755	73	130942	49.22	ppb		82
50)	heptane	10.117	43	99847	57.09	ppb	#	59
51)	trichloroethene	10.257	95	58688	54.47	ppb		93
52)	1,2-dichloropropane	10.223	63	47404	52.46	ppb		98
53)	dibromomethane	10.197	93	35583	50.88	ppb		87
54)	bromodichloromethane	10.312	83	83423	51.83	ppb		97
55)	Methylcyclohexane	10.779	83	84460	57.04	ppb		95
56)	2-chloroethyl vinyl ether	10.691	63	28572	361.09	ppb		98
57)	methyl methacrylate	10.412	69	26639	53.56	ppb	#	70
58)	1,4-dioxane	10.429	88	1493m	360.22	ppb		
59)	cis-1,3-dichloropropene	10.934	75	78380	54.26	ppb		95
61)	4-methyl-2-pentanone	11.038	43	62235	53.88	ppb		91
62)	toluene	11.714	92	111837	54.37	ppb		95
63)	trans-1,3-dichloropropene	11.356	75	79783	51.72	ppb		89
64)	1,1,2-trichloroethane	11.529	83	32451	53.65	ppb		95
65)	ethyl methacrylate	11.737	69	52883	53.96	ppb		86
67)	tetrachloroethene	12.458	166	63114	51.33	ppb		93
68)	1,3-dichloropropane	11.765	76	66600	52.15	ppb		98
69)	dibromochloromethane	12.056	129	62438	51.09	ppb		99
70)	1,2-dibromoethane	12.308	107	44846	51.77	ppb		94
71)	2-hexanone	11.897	43	59847m	60.51	ppb		
72)	chlorobenzene	13.139	112	132882	48.98	ppb		93
73)	1,1,1,2-tetrachloroethane	13.059	131	62823	53.86	ppb		92
74)	ethylbenzene	13.316	91	234229	51.96	ppb		94
75)	m,p-xylene	13.500	106	175144	103.54	ppb		99
76)	o-xylene	13.914	106	90074	51.99	ppb		95
77)	styrene	13.841	104	141124	50.71	ppb		82
78)	bromoform	13.666	173	53334	50.97	ppb		96
79)	trans-1,4-dichloro-2-b...	14.067	53	25674	46.56	ppb	#	63
81)	isopropylbenzene	14.278	105	250134	52.90	ppb		99
83)	bromobenzene	14.565	156	75437	52.20	ppb	#	79
84)	1,1,2,2-tetrachloroethane	13.919	83	50570	55.20	ppb		97
85)	1,2,3-trichloropropane	14.068	75	66334	51.70	ppb		98
86)	n-propylbenzene	14.724	91	281554	50.45	ppb		97
87)	2-chlorotoluene	14.842	91	177485	50.72	ppb		97
88)	4-chlorotoluene	14.919	91	191705	51.97	ppb		98
89)	1,3,5-trimethylbenzene	15.002	105	225685	52.05	ppb		98
90)	tert-butylbenzene	15.308	91	146961	50.86	ppb		87
91)	1,2,4-trimethylbenzene	15.411	105	224523	51.53	ppb		96
92)	sec-butylbenzene	15.531	105	285661	53.65	ppb		96

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17443.D
Acq On : 21 Jan 2014 9:02 am
Operator : garyk
Sample : bs
Misc : ms30990,msu825,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 21 09:24:29 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.632	146	145498	51.56	ppb	95
94)	p-isopropyltoluene	15.703	119	249989	53.43	ppb	93
95)	1,4-dichlorobenzene	15.699	146	149038	51.85	ppb	95
96)	1,2-dichlorobenzene	16.068	146	142614	51.57	ppb	98
97)	n-butylbenzene	16.123	91	235766	56.18	ppb	90
98)	1,2-dibromo-3-chloropr...	16.551	75	18020	53.91	ppb	97
99)	1,3,5-trichlorobenzene	17.362	180	126009	58.18	ug/L	97
100)	1,2,4-trichlorobenzene	17.900	180	123526	60.12	ppb	93
101)	hexachlorobutadiene	18.190	225	75020	60.63	ppb	89
102)	naphthalene	18.168	128	231098	60.03	ppb	100
103)	2-Methylnaphthalene	19.538	142	56505	32.02	ug/L	95
104)	1-Methylnaphthalene	19.784	142	44022	32.68	ug/L	98
105)	1,2,3-trichlorobenzene	18.374	180	109531	59.62	ppb	98

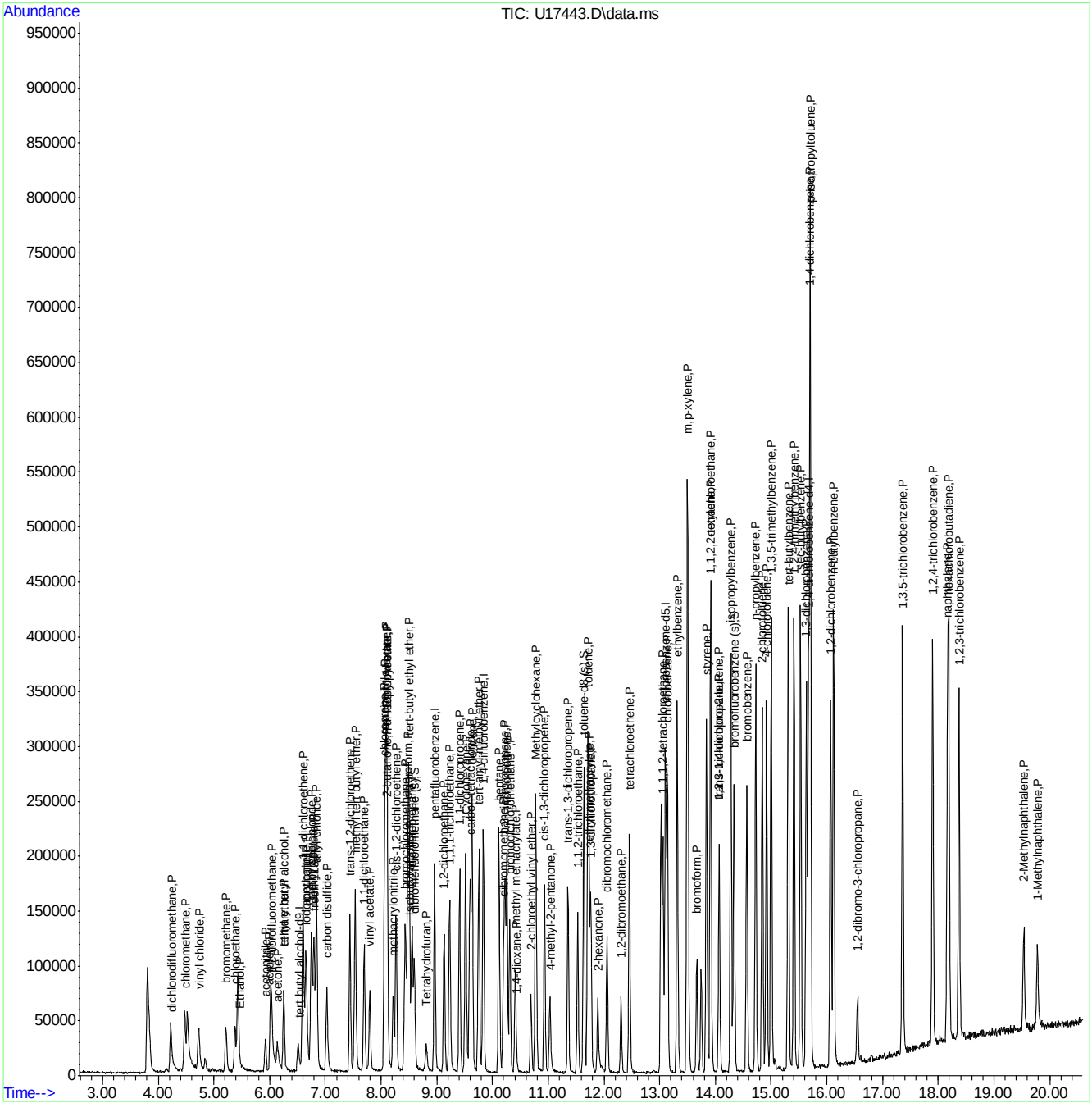
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.3.1
7

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17443.D
Acq On : 21 Jan 2014 9:02 am
Operator : garyk
Sample : bs
Misc : ms30990,msu825,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 21 09:24:29 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
01/22/14 09:42

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17455.D
Acq On : 21 Jan 2014 2:30 pm
Operator : garyk
Sample : mc27696-5ms
Misc : ms30992,msu825,,,,5,5
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 21 15:14:02 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.518	65	26849	500.00	ppb		-0.10
4) pentafluorobenzene	8.961	168	93735	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.836	114	124749	50.00	ppb		0.00
66) chlorobenzene-d5	13.104	82	63428	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.670	152	73530	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.597	113	42142	53.37	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.74%				
60) toluene-d8 (s)	11.640	98	137314	49.68	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.36%				
82) bromofluorobenzene (s)	14.334	95	58832	52.13	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.26%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.253	59	29348	467.57	ppb		92
3) Ethanol	5.432	45	17390	3910.49	ppb	#	39
5) dichlorodifluoromethane	4.241	85	48112	47.44	ppb		80
6) chloromethane	4.486	50	50127	43.09	ppb		92
7) vinyl chloride	4.734	62	36423	43.74	ppb		98
8) bromomethane	5.220	96	20905	44.74	ppb		84
9) chloroethane	5.381	64	18832	55.56	ppb		91
10) ethyl ether	6.253	59	29348	46.87	ppb		95
11) acetonitrile	5.922	41	17288	50.35	ppb		96
12) trichlorofluoromethane	6.046	101	86487	53.25	ppb		99
13) freon-113	6.800	101	33313	48.97	ppb		86
14) acrolein	6.042	56	108m	10.53	ppb		
15) 1,1-dichloroethene	6.600	96	29245	49.43	ppb	#	51
16) acetone	6.148	58	2911m	33.76	ppb		
17) Methyl Acetate	6.783	43	38297	34.37	ppb		97
18) methylene chloride	6.750	84	31945	49.66	ppb	#	75
19) methyl tert butyl ether	7.537	73	109237	48.58	ppb		96
20) acrylonitrile	6.651	53	28495	100.13	ppb		100
21) allyl chloride	6.840	41	53651	38.23	ppb		100
22) trans-1,2-dichloroethene	7.441	96	32718	45.31	ppb		96
23) iodomethane	6.661	142	55675	45.18	ppb		67
24) carbon disulfide	7.029	76	71874	39.06	ppb		93
25) propionitrile	8.067	54	5709	60.47	ppb		100
26) vinyl acetate	7.798	43	87912	48.67	ppb		92
27) chloroprene	8.063	53	98076	52.19	ppb		74
28) di-isopropyl ether	8.104	45	141134	45.80	ppb		91
29) methacrylonitrile	8.220	41	27112	45.41	ppb		84
30) 2-butanone	8.109	72	3624	38.80	ppb	#	1
31) Ethyl Acetate	8.100	43	137193	44.92	ug/L		92
32) Hexane	8.089	41	87882	48.44	ppb	#	77
33) 1,1-dichloroethane	7.695	63	71812	48.75	ppb		97
34) tert-butyl ethyl ether	8.502	59	140405	50.81	ppb		94
35) isobutyl alcohol	8.516	43	31765	260.17	ppb		99
36) 2,2-dichloropropane	8.557	77	51805	51.25	ppb		93

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17455.D
Acq On : 21 Jan 2014 2:30 pm
Operator : garyk
Sample : mc27696-5ms
Misc : ms30992,msu825,,,,5,5
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 21 15:14:02 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.268	96	35149	46.06	ppb		90
38)	bromochloromethane	8.436	128	20141	51.39	ppb		93
39)	chloroform	8.475	83	79996	50.48	ppb		95
41)	Tetrahydrofuran	8.809	42	11686	44.08	ppb		84
42)	1,1,1-trichloroethane	9.231	97	83151	51.96	ppb		97
44)	Cyclohexane	9.518	56	68360	45.51	ppb		98
45)	carbon tetrachloride	9.596	117	79103	48.92	ppb		98
46)	1,1-dichloropropene	9.407	75	51793	48.92	ppb		98
47)	benzene	9.632	78	126260	48.52	ppb		100
48)	1,2-dichloroethane	9.131	62	90839	49.32	ppb		96
49)	tert-amyl methyl ether	9.754	73	98860	46.35	ppb		90
50)	heptane	10.116	43	63337	45.17	ppb	#	64
51)	trichloroethene	10.256	95	41750	48.33	ppb		94
52)	1,2-dichloropropane	10.223	63	33189	45.81	ppb		99
53)	dibromomethane	10.196	93	26720	47.66	ppb		85
54)	bromodichloromethane	10.311	83	62528	48.45	ppb		97
55)	Methylcyclohexane	10.778	83	57460	48.40	ppb		87
56)	2-chloroethyl vinyl ether	10.774	63	1163	21.29	ppb	#	1
57)	methyl methacrylate	10.411	69	19072	47.83	ppb	#	78
58)	1,4-dioxane	10.429	88	699m	248.34	ppb		
59)	cis-1,3-dichloropropene	10.934	75	53837	46.49	ppb		91
61)	4-methyl-2-pentanone	11.037	43	44410	47.95	ppb		90
62)	toluene	11.713	92	83754	50.79	ppb		92
63)	trans-1,3-dichloropropene	11.356	75	56621	45.78	ppb		90
64)	1,1,2-trichloroethane	11.528	83	23703	48.88	ppb		96
65)	ethyl methacrylate	11.736	69	38520	49.02	ppb		79
67)	tetrachloroethene	12.457	166	49268	51.53	ppb		99
68)	1,3-dichloropropane	11.765	76	50420	50.78	ppb		97
69)	dibromochloromethane	12.056	129	45943	48.34	ppb		97
70)	1,2-dibromoethane	12.308	107	34258	50.86	ppb		99
71)	2-hexanone	11.909	43	32516	42.28	ppb		96
72)	chlorobenzene	13.139	112	101020	47.89	ppb		93
73)	1,1,1,2-tetrachloroethane	13.058	131	47225	52.06	ppb		92
74)	ethylbenzene	13.316	91	177811	50.73	ppb		92
75)	m,p-xylene	13.500	106	135922	103.34	ppb		95
76)	o-xylene	13.913	106	65454	48.58	ppb		89
77)	styrene	13.841	104	106394	49.17	ppb		84
78)	bromoform	13.666	173	35664	43.83	ppb		98
79)	trans-1,4-dichloro-2-b...	14.070	53	7784	18.15	ppb	#	26
81)	isopropylbenzene	14.278	105	188365	50.02	ppb		94
83)	bromobenzene	14.565	156	58325	50.67	ppb	#	78
84)	1,1,2,2-tetrachloroethane	13.919	83	39013	53.47	ppb		93
85)	1,2,3-trichloropropane	14.068	75	42143	41.23	ppb		100
86)	n-propylbenzene	14.724	91	206781	46.51	ppb		96
87)	2-chlorotoluene	14.842	91	133637	47.94	ppb		94
88)	4-chlorotoluene	14.918	91	144845	49.29	ppb		97
89)	1,3,5-trimethylbenzene	15.002	105	173878	50.35	ppb		99
90)	tert-butylbenzene	15.307	91	114010	49.54	ppb		92
91)	1,2,4-trimethylbenzene	15.411	105	170236	49.05	ppb		98
92)	sec-butylbenzene	15.530	105	213232	50.27	ppb		93

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17455.D
Acq On : 21 Jan 2014 2:30 pm
Operator : garyk
Sample : mc27696-5ms
Misc : ms30992,msu825,,,,5,5
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 21 15:14:02 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

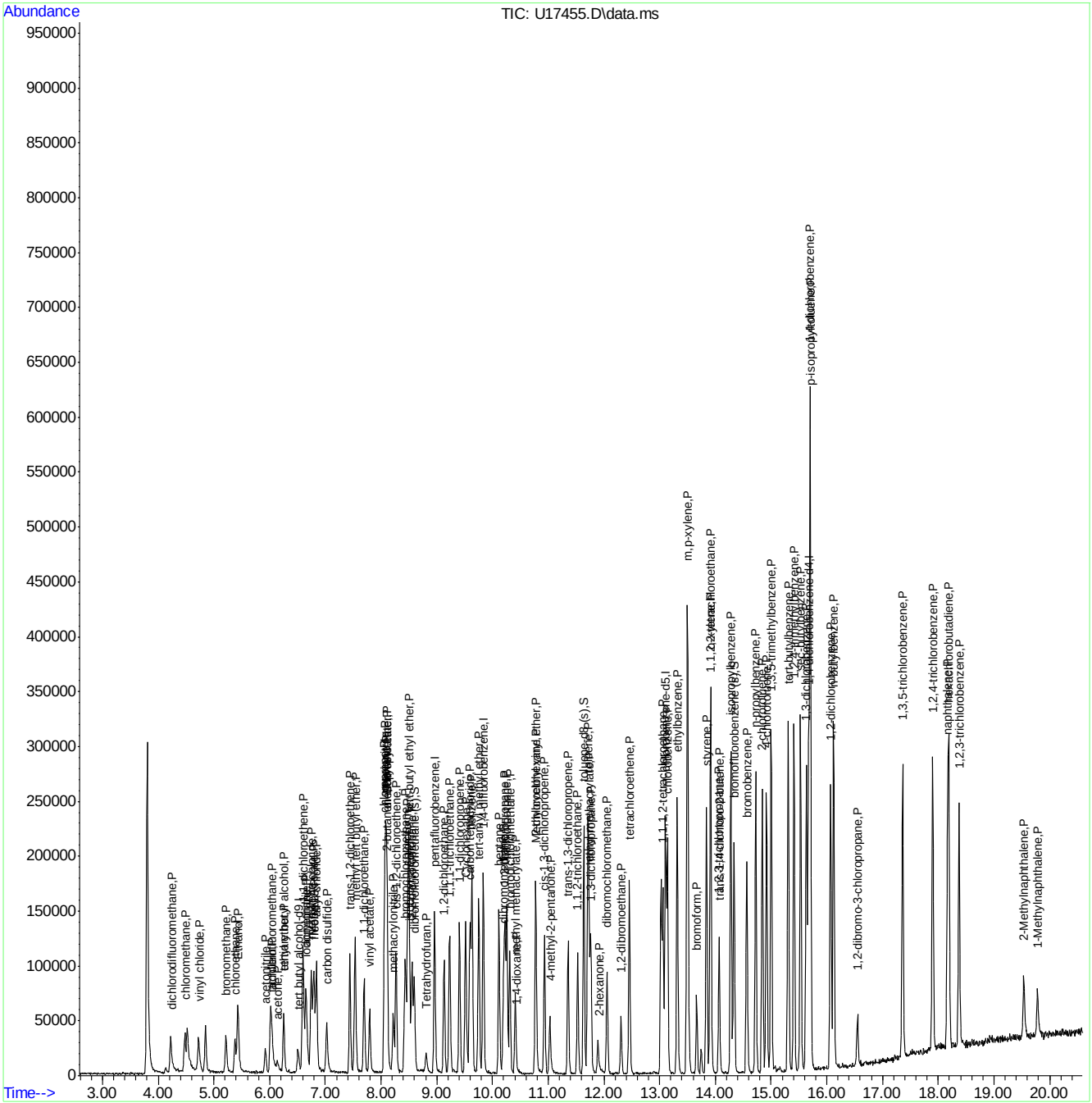
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	15.632	146	110790	49.29	ppb		99
94)	p-isopropyltoluene	15.703	119	189802	50.92	ppb		94
95)	1,4-dichlorobenzene	15.699	146	113695	49.66	ppb		99
96)	1,2-dichlorobenzene	16.068	146	109361	49.64	ppb		93
97)	n-butylbenzene	16.123	91	170382	50.97	ppb		91
98)	1,2-dibromo-3-chloropr...	16.552	75	13295	49.93	ppb	#	73
99)	1,3,5-trichlorobenzene	17.362	180	90341	52.37	ug/L		99
100)	1,2,4-trichlorobenzene	17.901	180	86266	52.71	ppb		94
101)	hexachlorobutadiene	18.190	225	53014	53.79	ppb		96
102)	naphthalene	18.168	128	157578	51.39	ppb		100
103)	2-Methylnaphthalene	19.540	142	31591	22.48	ug/L		96
104)	1-Methylnaphthalene	19.784	142	24502m	22.83	ug/L		
105)	1,2,3-trichlorobenzene	18.374	180	73031	49.91	ppb		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17455.D
Acq On : 21 Jan 2014 2:30 pm
Operator : garyk
Sample : mc27696-5ms
Misc : ms30992,msu825,,,,5,5
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 21 15:14:02 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/22/14 09:42

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17456.D
Acq On : 21 Jan 2014 2:57 pm
Operator : garyk
Sample : mc27696-5msd
Misc : ms30992,msu825,,,,5,5
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 21 15:20:27 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.533	65	35327	500.00	ppb		-0.08
4) pentafluorobenzene	8.962	168	97925	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.836	114	122834	50.00	ppb		0.00
66) chlorobenzene-d5	13.104	82	63870	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.671	152	77144	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.598	113	42922	52.03	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.06%				
60) toluene-d8 (s)	11.640	98	136230	50.06	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.12%				
82) bromofluorobenzene (s)	14.335	95	59659	50.38	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.76%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.255	59	31039	375.83	ppb		86
3) Ethanol	5.403	45	21248	3637.78	ppb		93
5) dichlorodifluoromethane	4.248	85	53065	50.08	ppb		95
6) chloromethane	4.489	50	56346	46.36	ppb		90
7) vinyl chloride	4.735	62	40691	46.78	ppb		94
8) bromomethane	5.220	96	21585	44.22	ppb		91
9) chloroethane	5.384	64	18783	53.05	ppb		91
10) ethyl ether	6.255	59	31039	47.45	ppb		88
11) acetonitrile	5.925	41	17578	49.00	ppb		96
12) trichlorofluoromethane	6.042	101	88223	51.99	ppb		100
13) freon-113	6.803	101	35913	50.54	ppb		87
14) acrolein	5.996	56	85m	3.20	ppb		
15) 1,1-dichloroethene	6.601	96	30009	48.56	ppb	#	59
16) acetone	6.147	58	3184	35.20	ppb	#	36
17) Methyl Acetate	6.783	43	38401	32.99	ppb	#	88
18) methylene chloride	6.751	84	34500	51.34	ppb	#	81
19) methyl tert butyl ether	7.537	73	114539	48.76	ppb		99
20) acrylonitrile	6.650	53	29438	99.01	ppb		84
21) allyl chloride	6.843	41	61017	41.62	ppb		100
22) trans-1,2-dichloroethene	7.441	96	35709	47.33	ppb		95
23) iodomethane	6.661	142	59112	45.91	ppb		71
24) carbon disulfide	7.029	76	78182	40.67	ppb		96
25) propionitrile	8.066	54	5095	51.66	ppb		100
26) vinyl acetate	7.798	43	88799	47.06	ppb		97
27) chloroprene	8.064	53	103612	52.77	ppb		75
28) di-isopropyl ether	8.105	45	148426	46.10	ppb		90
29) methacrylonitrile	8.221	41	28716	46.04	ppb		84
30) 2-butanone	8.111	72	4102	42.04	ppb	#	1
31) Ethyl Acetate	8.101	43	142650	44.71	ug/L		92
32) Hexane	8.090	41	89225	47.08	ppb	#	81
33) 1,1-dichloroethane	7.696	63	76839	49.93	ppb		98
34) tert-butyl ethyl ether	8.504	59	146460	50.73	ppb		93
35) isobutyl alcohol	8.511	43	30178	236.60	ppb		97
36) 2,2-dichloropropane	8.559	77	54883	51.98	ppb		94

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17456.D
Acq On : 21 Jan 2014 2:57 pm
Operator : garyk
Sample : mc27696-5msd
Misc : ms30992,msu825,,,,5,5
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 21 15:20:27 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.270	96	38957	48.87	ppb		90
38)	bromochloromethane	8.436	128	20795	50.79	ppb		91
39)	chloroform	8.476	83	82291	49.71	ppb		95
41)	Tetrahydrofuran	8.811	42	12359	44.63	ppb		77
42)	1,1,1-trichloroethane	9.232	97	88078	52.68	ppb		94
44)	Cyclohexane	9.519	56	71091	48.06	ppb		94
45)	carbon tetrachloride	9.597	117	84091	52.82	ppb		98
46)	1,1-dichloropropene	9.408	75	56093	53.81	ppb		95
47)	benzene	9.632	78	130014	50.74	ppb		98
48)	1,2-dichloroethane	9.132	62	93124	51.35	ppb		89
49)	tert-amyl methyl ether	9.755	73	103314	49.19	ppb		84
50)	heptane	10.116	43	66065	47.85	ppb	#	54
51)	trichloroethene	10.257	95	46072	54.17	ppb		92
52)	1,2-dichloropropane	10.223	63	35030	49.10	ppb		96
53)	dibromomethane	10.197	93	27770	50.30	ppb	#	82
54)	bromodichloromethane	10.311	83	64955	51.12	ppb		95
55)	Methylcyclohexane	10.778	83	60685	51.91	ppb	#	83
56)	2-chloroethyl vinyl ether	10.774	63	1256	23.05	ppb	#	1
57)	methyl methacrylate	10.412	69	18801	47.88	ppb	#	70
58)	1,4-dioxane	10.421	88	813m	276.80	ppb		
59)	cis-1,3-dichloropropene	10.935	75	56786	49.80	ppb		97
61)	4-methyl-2-pentanone	11.037	43	45743	50.16	ppb		89
62)	toluene	11.713	92	86857	53.49	ppb		98
63)	trans-1,3-dichloropropene	11.356	75	59618	48.95	ppb		86
64)	1,1,2-trichloroethane	11.528	83	25328	53.04	ppb		95
65)	ethyl methacrylate	11.737	69	39562	51.13	ppb	#	65
67)	tetrachloroethene	12.457	166	50741	52.71	ppb		92
68)	1,3-dichloropropane	11.765	76	51449	51.45	ppb		94
69)	dibromochloromethane	12.056	129	46198	48.27	ppb		86
70)	1,2-dibromoethane	12.308	107	36647	54.03	ppb		92
71)	2-hexanone	11.910	43	32733	42.27	ppb		95
72)	chlorobenzene	13.139	112	106356	50.07	ppb		98
73)	1,1,1,2-tetrachloroethane	13.058	131	51057	55.90	ppb		91
74)	ethylbenzene	13.316	91	186399	52.81	ppb		96
75)	m,p-xylene	13.500	106	139776	105.54	ppb		82
76)	o-xylene	13.914	106	72034	53.10	ppb		95
77)	styrene	13.841	104	110220	50.59	ppb		85
78)	bromoform	13.666	173	37125	45.31	ppb		98
79)	trans-1,4-dichloro-2-b...	14.070	53	8497	19.68	ppb	#	57
81)	isopropylbenzene	14.278	105	195357	49.44	ppb		97
83)	bromobenzene	14.565	156	60687	50.25	ppb	#	79
84)	1,1,2,2-tetrachloroethane	13.918	83	39154	51.15	ppb		90
85)	1,2,3-trichloropropane	14.068	75	44746	41.73	ppb		97
86)	n-propylbenzene	14.724	91	221158	47.42	ppb		98
87)	2-chlorotoluene	14.842	91	140543	48.06	ppb		95
88)	4-chlorotoluene	14.918	91	150092	48.69	ppb		99
89)	1,3,5-trimethylbenzene	15.002	105	185386	51.16	ppb		98
90)	tert-butylbenzene	15.308	91	122581	50.77	ppb		81
91)	1,2,4-trimethylbenzene	15.411	105	184212	50.59	ppb		98
92)	sec-butylbenzene	15.530	105	221053	49.68	ppb		94

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17456.D
Acq On : 21 Jan 2014 2:57 pm
Operator : garyk
Sample : mc27696-5msd
Misc : ms30992,msu825,,,,5,5
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 21 15:20:27 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

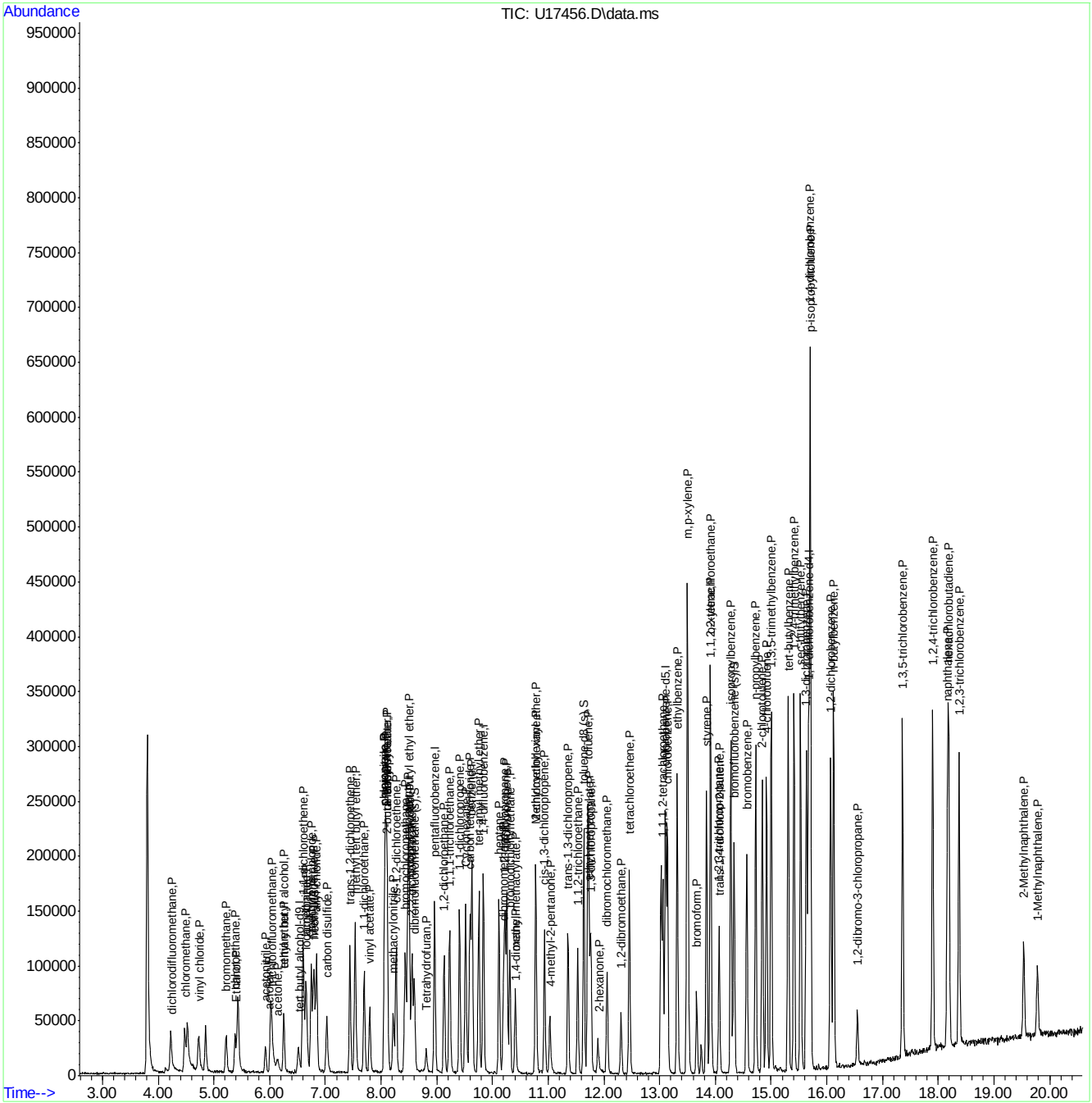
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	15.632	146	117152	49.68	ppb		97
94)	p-isopropyltoluene	15.703	119	205264	52.49	ppb		96
95)	1,4-dichlorobenzene	15.699	146	122229	50.88	ppb		94
96)	1,2-dichlorobenzene	16.069	146	115117	49.81	ppb		95
97)	n-butylbenzene	16.123	91	183129	52.22	ppb		87
98)	1,2-dibromo-3-chloropr...	16.551	75	14739	52.76	ppb		85
99)	1,3,5-trichlorobenzene	17.361	180	101878	56.29	ug/L		99
100)	1,2,4-trichlorobenzene	17.901	180	99699	58.07	ppb		95
101)	hexachlorobutadiene	18.190	225	60588	58.60	ppb		94
102)	naphthalene	18.167	128	186571	57.99	ppb		100
103)	2-Methylnaphthalene	19.538	142	48700	33.02	ug/L		94
104)	1-Methylnaphthalene	19.783	142	38099	33.84	ug/L	#	92
105)	1,2,3-trichlorobenzene	18.374	180	89170	58.08	ppb		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17456.D
Acq On : 21 Jan 2014 2:57 pm
Operator : garyk
Sample : mc27696-5msd
Misc : ms30992,msu825,,,,5,5
ALS Vial : 16 Sample Multiplier: 1

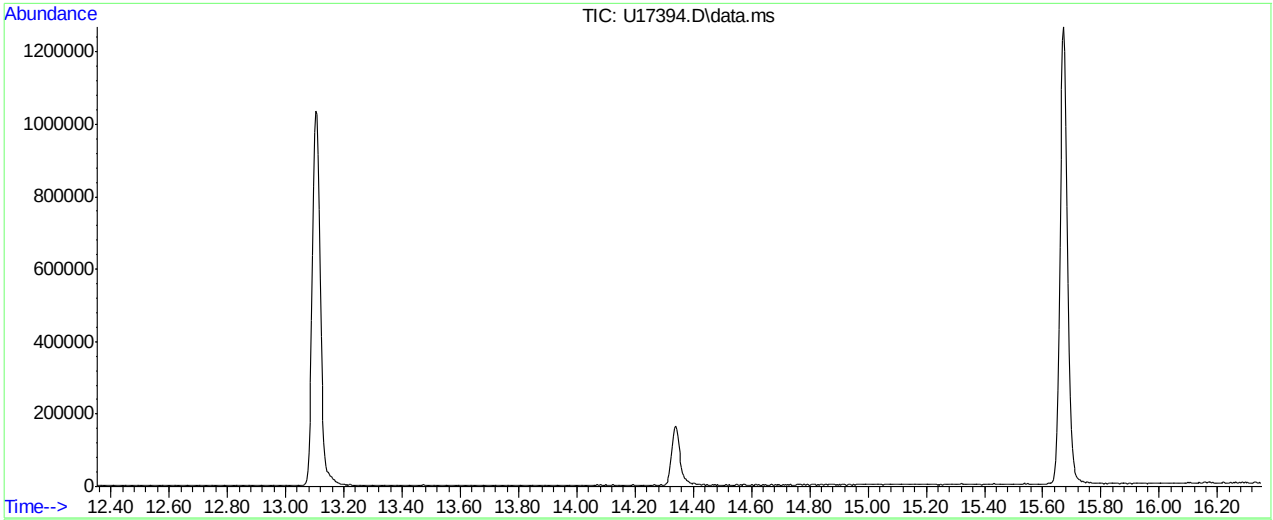
Quant Time: Jan 21 15:20:27 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration



SW-846 Method 8260

Data File : D:\msdchem\1\data\U140117\U17394.D Vial: 1
Acq On : 17 Jan 2014 10:37 am Operator: garyk
Sample : bfb Inst : MSU
Misc : ms30913,msu822,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\msdchem\1\methods\U140117W.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Scan 3335

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	34.9	5250	PASS
75	95	30	60	50.1	7539	PASS
95	95	100	100	100.0	15047	PASS
96	95	5	9	5.1	763	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	108.1	16270	PASS
175	174	5	9	7.3	1192	PASS
176	174	95	101	99.3	16151	PASS
177	176	5	9	7.6	1233	PASS

U17394.D U140117W.m Mon Jan 20 10:12:41 2014

Scan 3335 (14.353 min): U17394.D\data.ms
blk

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.20	201	56.20	420	75.10	7539	95.10	15047
37.20	835	57.10	792	76.10	608	96.10	763
38.10	1281	59.90	263	79.00	705	104.10	221
39.10	307	61.10	1332	80.10	359	112.30	213
40.10	1514	62.10	1239	80.90	733	119.00	299
44.10	1086	63.10	678	82.10	179	135.20	193
45.10	466	67.20	172	87.00	400	141.00	275
48.00	175	68.10	1363	88.10	220	143.00	323
49.20	846	69.10	1351	92.10	611	144.90	189
50.20	5250	73.00	1218	93.10	927	171.70	168
51.10	852	74.10	3111	94.10	2119	174.00	16270

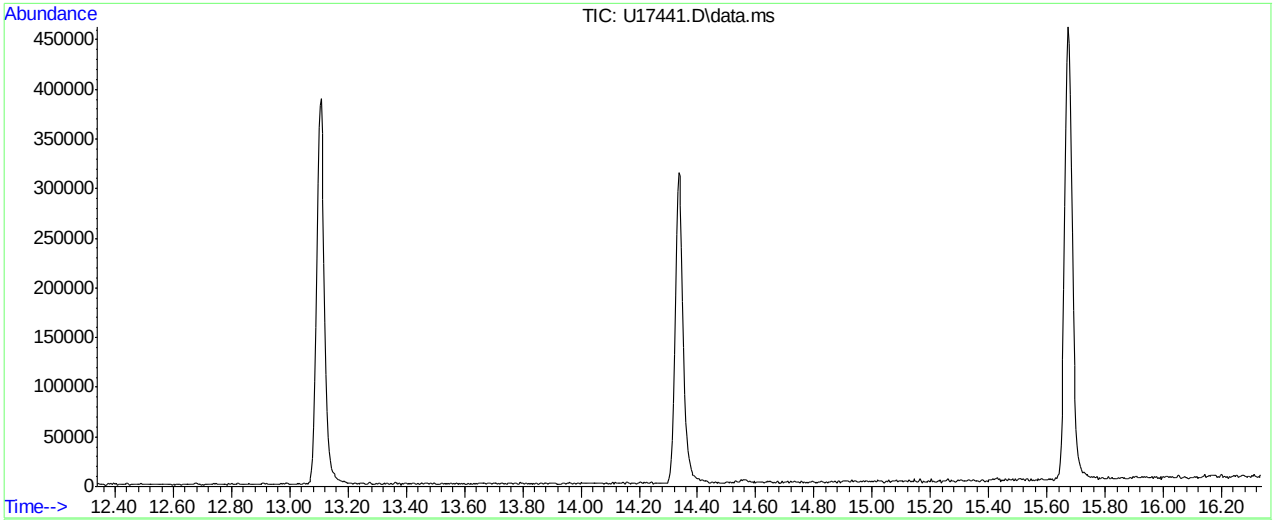
Scan 3335 (14.353 min): U17394.D\data.ms
blk

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
174.90	1192						
176.00	16151						
177.00	1233						
181.10	173						
207.10	606						
269.20	379						
271.10	182						
280.90	257						
329.80	179						

SW-846 Method 8260

Data File : D:\msdchem\1\data\U140121\U17441.D Vial: 1
Acq On : 21 Jan 2014 8:08 am Operator: garyk
Sample : bfb Inst : MSU
Misc : ms30990,msu825,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\msdchem\1\methods\U140117W.m (RTE Integrator)
Title : SW-846 Method 8260



Spectrum Information: Average of 14.335 to 14.342 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	28.1	14749	PASS
75	95	30	60	58.3	30589	PASS
95	95	100	100	100.0	52493	PASS
96	95	5	9	6.9	3640	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	99.5	52219	PASS
175	174	5	9	7.4	3849	PASS
176	174	95	101	97.7	51016	PASS
177	176	5	9	6.9	3526	PASS

U17441.D U140117W.m Tue Jan 21 10:19:31 2014

Average of 14.335 to 14.342 min.: U17441.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	616	52.10	125	68.10	5958	79.00	2066
37.15	3556	55.05	289	69.10	6680	80.00	668
38.15	3017	56.15	1398	70.15	521	81.00	2315
39.20	1353	57.10	2146	72.10	331	82.05	359
44.10	311	58.00	70	73.10	3049	82.30	108
45.15	630	60.10	671	74.10	10342	87.15	1685
47.20	573	61.10	3137	75.10	30589	88.05	1063
48.15	588	62.10	3310	76.10	2750	91.00	237
49.15	3248	63.10	2425	77.05	171	92.10	1658
50.10	14749	64.15	282	77.90	72	93.10	2831
51.20	4373	65.10	89	78.10	70	94.10	6985

Average of 14.335 to 14.342 min.: U17441.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.10	52493	117.85	186	148.05	249	207.00	380
96.10	3640	118.10	126	149.90	51	208.90	129
97.10	53	119.00	492	155.10	119	219.30	57
103.85	262	127.90	396	157.00	59	221.30	58
104.95	157	129.05	130	159.00	65	225.10	54
106.00	449	129.95	339	174.00	52219	253.10	61
110.90	55	135.00	204	175.05	3849	272.10	58
113.00	62	140.20	54	176.00	51016	282.10	57
115.80	107	140.95	934	177.00	3526	283.00	59
116.10	101	143.00	1049	177.90	61		
116.90	469	147.80	51	191.00	99		

Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/20/14 10:47

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17397.D
Acq On : 17 Jan 2014 11:59 am
Operator : garyk
Sample : ic822-0.5
Misc : ms30913,msu822,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 17 16:17:41 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.670	65	40741m	500.00	ppb	0.06
4) pentafluorobenzene	8.968	168	106114	50.00	ppb	0.00
43) 1,4-difluorobenzene	9.840	114	138016	50.00	ppb	0.00
66) chlorobenzene-d5	13.109	82	70864	50.00	ppb	0.00
80) 1,4-dichlorobenzene-d4	15.677	152	82649	50.00	ppb	0.00
System Monitoring Compounds						
40) dibromofluoromethane (s)	0.000	113	0	0.00	ppb	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
60) toluene-d8 (s)	11.662	98	2136	0.77	ppb	0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	1.54%#		
82) bromofluorobenzene (s)	0.000	95	0	0.00	ppb	
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
47) benzene	9.642	78	1456m	0.54	ppb	
51) trichloroethene	10.263	95	370m	0.39	ppb	
59) cis-1,3-dichloropropene	10.947	75	358m	0.28	ppb	
63) trans-1,3-dichloropropene	11.381	75	790m	0.61	ppb	
67) tetrachloroethene	12.465	166	612m	0.61	ppb	
69) dibromochloromethane	12.066	129	484m	0.47	ppb	
75) m,p-xylene	13.538	106	1237m	0.87	ppb	
76) o-xylene	13.929	106	614m	0.42	ppb	
84) 1,1,2,2-tetrachloroethane	13.936	83	413m	0.53	ppb	

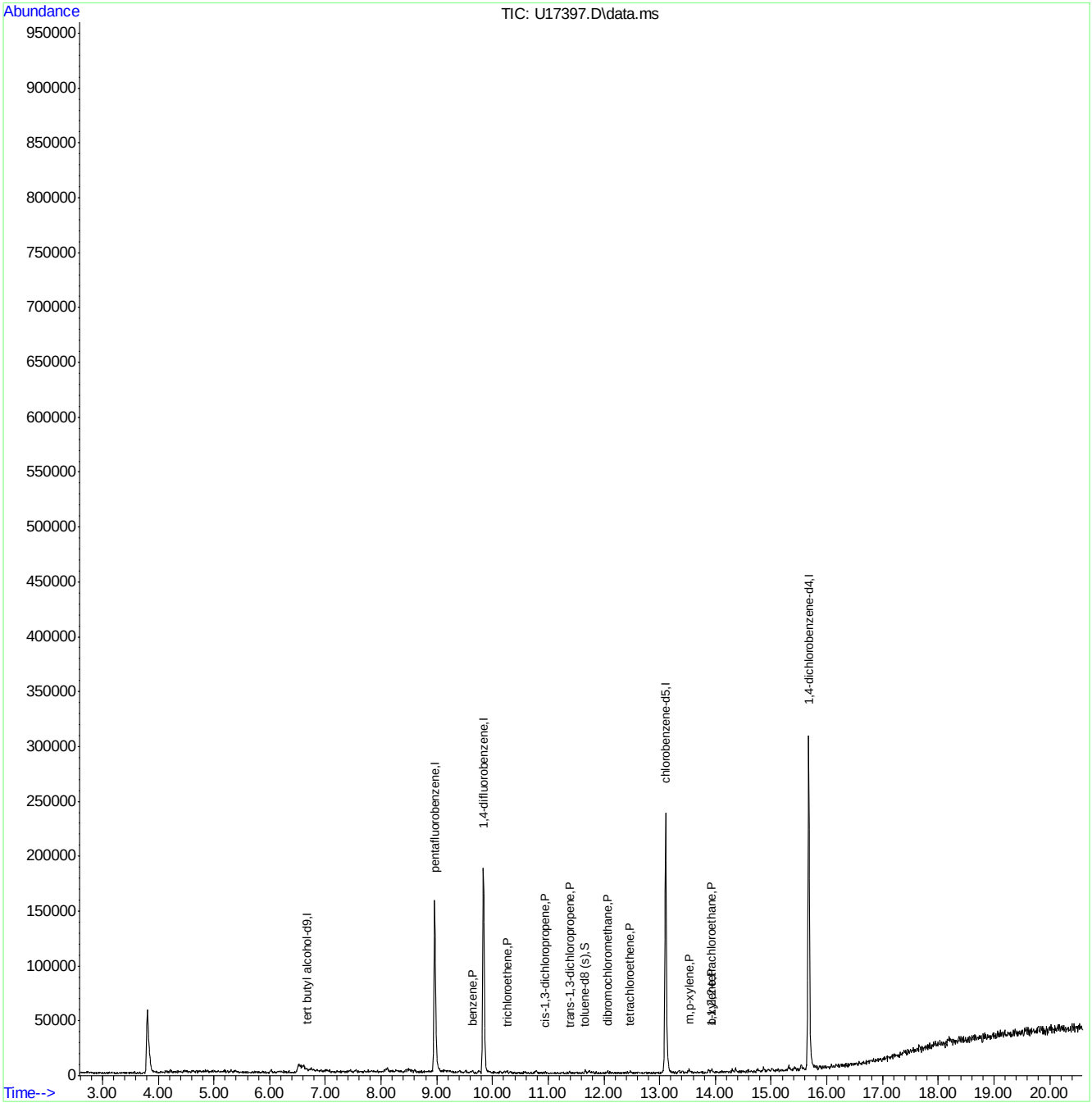
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.1
7

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17397.D
Acq On : 17 Jan 2014 11:59 am
Operator : garyk
Sample : ic822-0.5
Misc : ms30913,msu822,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 17 16:17:41 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/20/14 10:47

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17398.D
Acq On : 17 Jan 2014 12:26 pm
Operator : garyk
Sample : ic822-1
Misc : ms30913,msu822,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 17 16:22:42 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

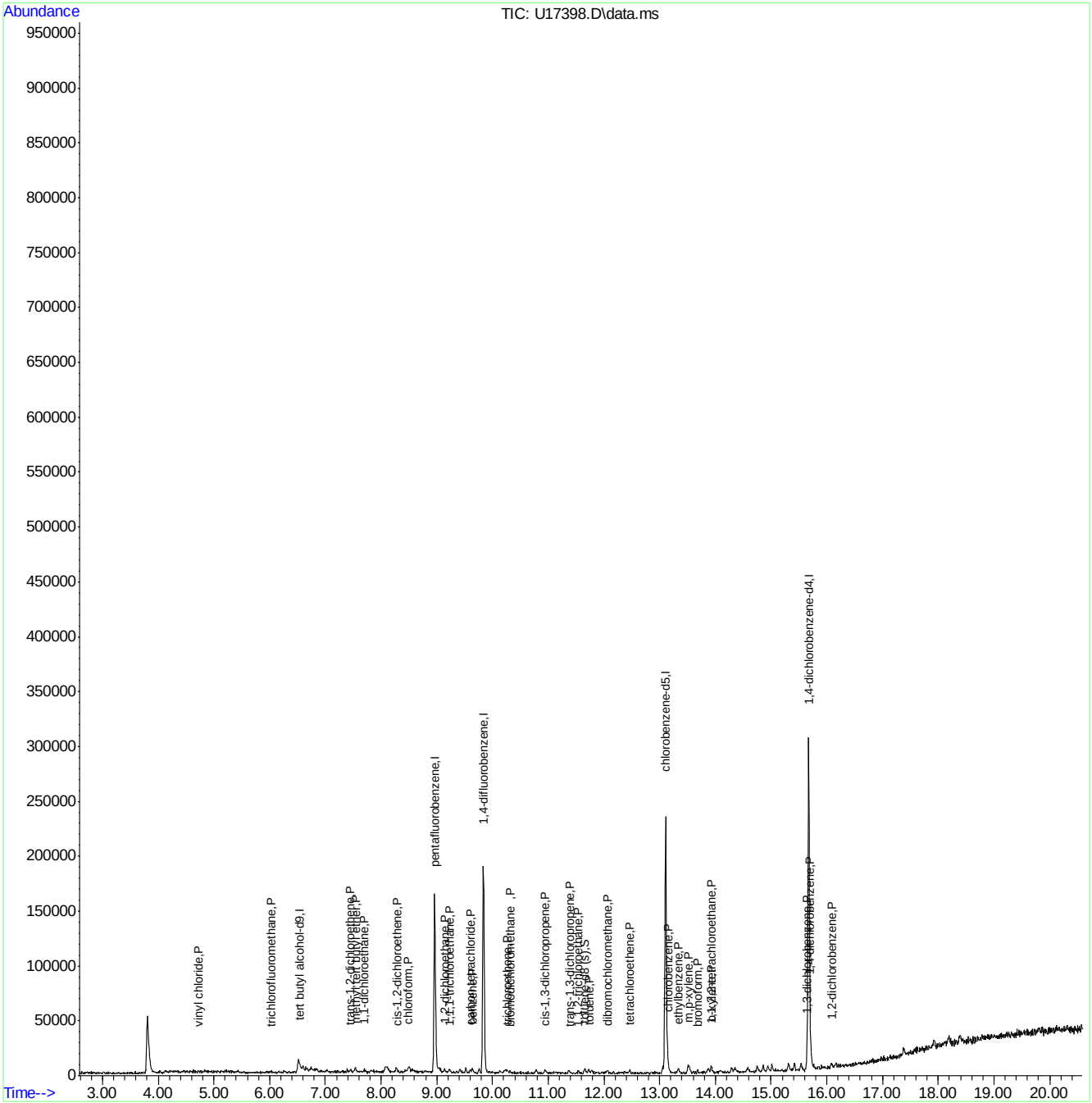
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.543	65	23719m	500.00	ppb		-0.07
4) pentafluorobenzene	8.967	168	105479	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.840	114	138365	50.00	ppb		0.00
66) chlorobenzene-d5	13.108	82	70579	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.676	152	82407	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	0.000	113	0	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
60) toluene-d8 (s)	11.658	98	3556	1.28	ppb		0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	2.56%#			
82) bromofluorobenzene (s)	0.000	95	0	0.00	ppb		
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#			
Target Compounds							Qvalue
7) vinyl chloride	4.722	62	940m	1.03	ppb		
12) trichlorofluoromethane	6.025	101	1393	0.76	ppb		84
19) methyl tert butyl ether	7.541	73	2725	1.14	ppb		74
22) trans-1,2-dichloroethene	7.447	96	1126m	1.67	ppb		
33) 1,1-dichloroethane	7.699	63	1999	1.28	ppb		91
37) cis-1,2-dichloroethene	8.283	96	988m	1.25	ppb		
39) chloroform	8.481	83	1575	0.93	ppb	#	59
42) 1,1,1-trichloroethane	9.234	97	1684	0.97	ppb	#	30
45) carbon tetrachloride	9.599	117	1617	0.91	ppb	#	38
47) benzene	9.640	78	2865	1.05	ppb		81
48) 1,2-dichloroethane	9.137	62	2038m	1.06	ppb		
51) trichloroethene	10.266	95	965m	1.02	ppb		
54) bromodichloromethane	10.316	83	1219	0.87	ppb		70
59) cis-1,3-dichloropropene	10.949	75	1276	0.98	ppb		96
62) toluene	11.727	92	1741	0.99	ppb		88
63) trans-1,3-dichloropropene	11.381	75	1420m	1.10	ppb		
64) 1,1,2-trichloroethane	11.540	83	474m	0.90	ppb		
67) tetrachloroethene	12.465	166	1193m	1.20	ppb		
69) dibromochloromethane	12.066	129	1061m	1.03	ppb		
72) chlorobenzene	13.146	112	2527m	1.17	ppb		
74) ethylbenzene	13.340	91	4282m	1.16	ppb		
75) m,p-xylene	13.524	106	3185	2.24	ppb		90
76) o-xylene	13.926	106	1466m	1.00	ppb		
78) bromoform	13.679	173	730m	0.82	ppb		
84) 1,1,2,2-tetrachloroethane	13.933	83	883m	1.14	ppb		
93) 1,3-dichlorobenzene	15.641	146	2724m	1.14	ppb		
95) 1,4-dichlorobenzene	15.701	146	2888m	1.22	ppb		
96) 1,2-dichlorobenzene	16.085	146	2655m	1.15	ppb		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17398.D
Acq On : 17 Jan 2014 12:26 pm
Operator : garyk
Sample : ic822-1
Misc : ms30913,msu822,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 17 16:22:42 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
01/20/14 10:47

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17399.D
Acq On : 17 Jan 2014 12:53 pm
Operator : garyk
Sample : ic822-2
Misc : ms30913,msu822,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 20 08:21:34 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.681	65	37167m	500.00	ppb		0.07
4) pentafluorobenzene	8.970	168	107227	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.842	114	135322	50.00	ppb		0.00
66) chlorobenzene-d5	13.110	82	69440	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.676	152	78218	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.603	113	1746	2.00	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.00%#			
60) toluene-d8 (s)	11.654	98	6206	2.28	ppb		0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.56%#			
82) bromofluorobenzene (s)	14.354	95	2417	2.05	ppb		0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.10%#			
Target Compounds							Qvalue
5) dichlorodifluoromethane	4.228	85	1636m	1.41	ppb		
6) chloromethane	4.467	50	2205	1.69	ppb		92
7) vinyl chloride	4.722	62	1472m	1.59	ppb		
8) bromomethane	5.213	96	944m	1.83	ppb		
9) chloroethane	5.382	64	613m	1.60	ppb		
12) trichlorofluoromethane	6.024	101	2683m	1.44	ppb		
15) 1,1-dichloroethene	6.602	96	1303	2.09	ppb	#	30
18) methylene chloride	6.748	84	1224	1.76	ppb	#	59
19) methyl tert butyl ether	7.541	73	4528	1.87	ppb		99
22) trans-1,2-dichloroethene	7.447	96	1997m	2.91	ppb		
28) di-isopropyl ether	8.116	45	6698	1.99	ppb		92
33) 1,1-dichloroethane	7.698	63	2541	1.60	ppb		69
34) tert-butyl ethyl ether	8.512	59	5850	1.93	ppb		90
37) cis-1,2-dichloroethene	8.271	96	1573	1.96	ppb		78
39) chloroform	8.481	83	3415	1.98	ppb		69
42) 1,1,1-trichloroethane	9.236	97	3282m	1.85	ppb		
45) carbon tetrachloride	9.600	117	3344	1.93	ppb		75
47) benzene	9.639	78	5835	2.19	ppb		95
48) 1,2-dichloroethane	9.137	62	4031m	2.15	ppb		
49) tert-amyl methyl ether	9.758	73	4320m	1.92	ppb		
51) trichloroethene	10.262	95	1749	1.90	ppb	#	44
52) 1,2-dichloropropane	10.228	63	1582	2.04	ppb		91
53) dibromomethane	10.198	93	1281	2.12	ppb	#	81
54) bromodichloromethane	10.319	83	2955	2.16	ppb		97
59) cis-1,3-dichloropropene	10.945	75	2643	2.07	ppb		95
62) toluene	11.726	92	3131	1.82	ppb		97
63) trans-1,3-dichloropropene	11.376	75	2585	2.05	ppb		93
64) 1,1,2-trichloroethane	11.538	83	1130	2.19	ppb	#	48
67) tetrachloroethene	12.466	166	1902	1.94	ppb		78
69) dibromochloromethane	12.065	129	2200	2.18	ppb		90
70) 1,2-dibromoethane	12.322	107	1219	1.74	ppb		85
72) chlorobenzene	13.144	112	4445	2.08	ppb		97
73) 1,1,1,2-tetrachloroethane	13.061	131	1785m	1.80	ppb		
74) ethylbenzene	13.332	91	7606	2.10	ppb		98

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17399.D
Acq On : 17 Jan 2014 12:53 pm
Operator : garyk
Sample : ic822-2
Misc : ms30913,msu822,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 20 08:21:34 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

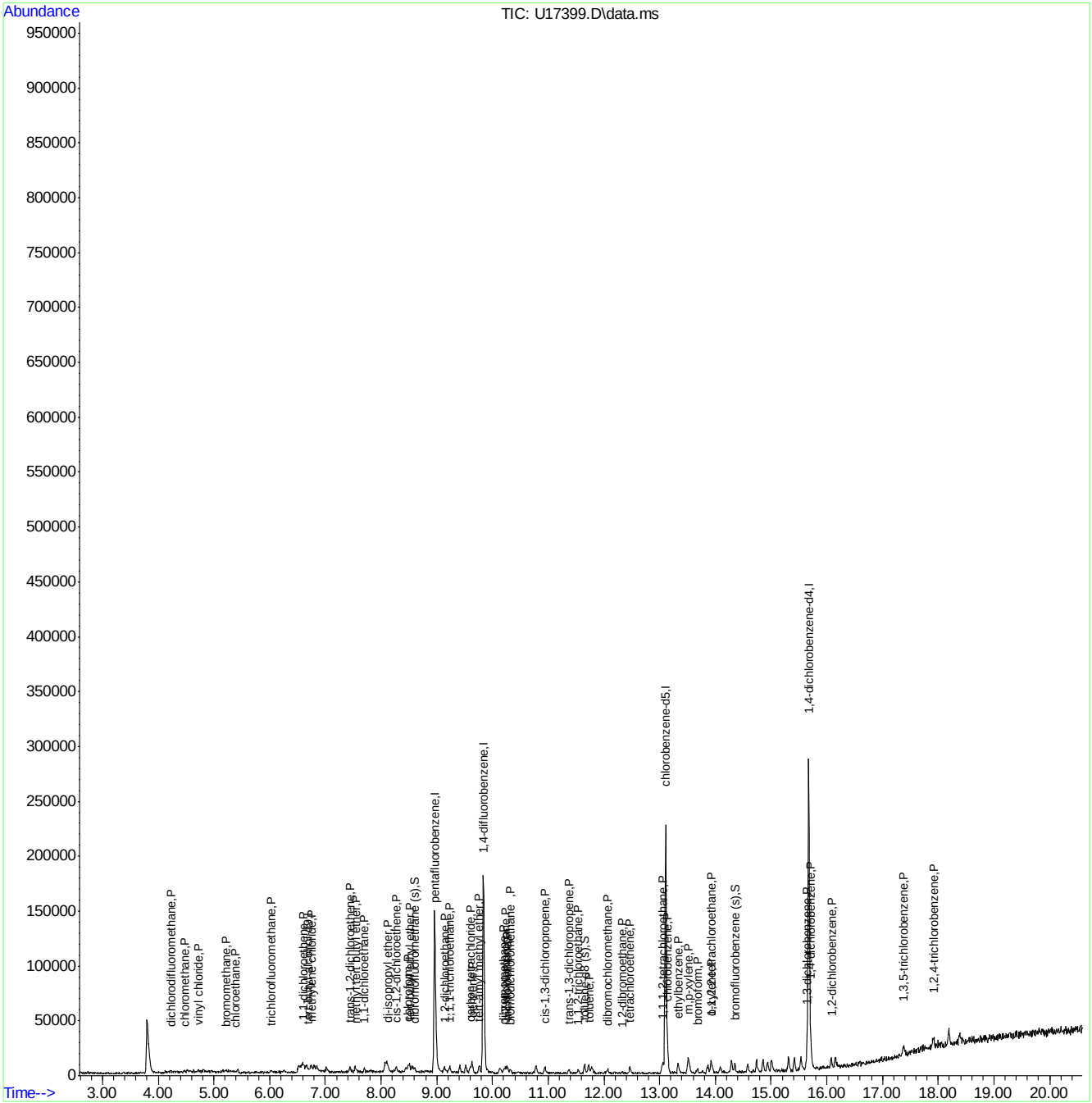
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
75)	m,p-xylene	13.518	106	5330	3.81	ppb	#	77
76)	o-xylene	13.926	106	3021	2.10	ppb	#	78
78)	bromoform	13.675	173	1656	1.88	ppb	#	40
84)	1,1,2,2-tetrachloroethane	13.930	83	1723	2.34	ppb		64
93)	1,3-dichlorobenzene	15.643	146	4558	2.02	ppb		83
95)	1,4-dichlorobenzene	15.705	146	4608	2.06	ppb		78
96)	1,2-dichlorobenzene	16.081	146	4390	2.00	ppb		83
99)	1,3,5-trichlorobenzene	17.380	180	3609	2.07	ug/L		95
100)	1,2,4-trichlorobenzene	17.924	180	3379m	2.02	ppb		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17399.D
Acq On : 17 Jan 2014 12:53 pm
Operator : garyk
Sample : ic822-2
Misc : ms30913,msu822,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 20 08:21:34 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
01/20/14 10:47

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17400.D
Acq On : 17 Jan 2014 1:20 pm
Operator : garyk
Sample : ic822-5
Misc : ms30913,msu822,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 20 08:58:09 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.545	65	31308	500.00	ppb		-0.07
4) pentafluorobenzene	8.965	168	98841	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.839	114	130779	50.00	ppb		0.00
66) chlorobenzene-d5	13.107	82	67112	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.674	152	75659	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.601	113	4325	5.38	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.76%#				
60) toluene-d8 (s)	11.648	98	13539	5.14	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 10.28%#				
82) bromofluorobenzene (s)	14.345	95	6311	5.52	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 11.04%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.262	59	3393	53.75	ppb		90
3) Ethanol	5.463	45	3246m	1171.77	ppb		
5) dichlorodifluoromethane	4.242	85	5866m	5.49	ppb		
6) chloromethane	4.479	50	6385m	5.32	ppb		
7) vinyl chloride	4.731	62	4231	4.96	ppb		91
8) bromomethane	5.219	96	2424	5.09	ppb		72
9) chloroethane	5.386	64	1822	5.16	ppb		87
10) ethyl ether	6.262	59	3393	5.54	ppb		83
11) acetonitrile	5.929	41	1879m	5.63	ppb		
12) trichlorofluoromethane	6.036	101	8950	5.20	ppb		94
13) freon-113	6.804	101	3742	5.73	ppb		90
15) 1,1-dichloroethene	6.603	96	3408	5.93	ppb		97
16) acetone	6.159	58	570m	8.96	ppb		
17) Methyl Acetate	6.793	43	5679	6.19	ppb	#	93
18) methylene chloride	6.749	84	3527	5.51	ppb		89
19) methyl tert butyl ether	7.541	73	12124	5.42	ppb		89
20) acrylonitrile	6.662	53	1582	7.48	ppb		73
21) allyl chloride	6.846	41	7475	5.31	ppb		88
22) trans-1,2-dichloroethene	7.446	96	3750	5.92	ppb		98
23) iodomethane	6.662	142	6464	5.41	ppb	#	48
24) carbon disulfide	7.030	76	10388	5.88	ppb		92
25) propionitrile	8.071	54	451m	4.61	ppb		
26) vinyl acetate	7.815	43	8813	4.75	ppb		81
27) chloroprene	8.069	53	10364	5.57	ppb		87
28) di-isopropyl ether	8.113	45	16838	5.43	ppb		98
29) methacrylonitrile	8.235	41	2981	5.49	ppb		91
30) 2-butanone	8.142	72	443m	5.66	ppb		
31) Ethyl Acetate	8.111	43	17298	5.88	ug/L		86
32) Hexane	8.096	41	9927	5.47	ppb	#	85
33) 1,1-dichloroethane	7.700	63	8103	5.54	ppb		82
34) tert-butyl ethyl ether	8.508	59	14699	5.25	ppb		88
35) isobutyl alcohol	8.512	43	3182	26.70	ppb	#	72
36) 2,2-dichloropropane	8.561	77	5784	5.82	ppb		99
37) cis-1,2-dichloroethene	8.274	96	4383	5.93	ppb		91

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17400.D
Acq On : 17 Jan 2014 1:20 pm
Operator : garyk
Sample : ic822-5
Misc : ms30913,msu822,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 20 08:58:09 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38)	bromochloromethane	8.440	128	2001	4.97	ppb		96
39)	chloroform	8.480	83	8797	5.52	ppb		80
41)	Tetrahydrofuran	8.823	42	1605m	6.40	ppb		
42)	1,1,1-trichloroethane	9.233	97	8837	5.42	ppb		86
44)	Cyclohexane	9.520	56	7804	5.12	ppb		98
45)	carbon tetrachloride	9.598	117	8642	5.15	ppb		93
46)	1,1-dichloropropene	9.412	75	5746	5.50	ppb		88
47)	benzene	9.637	78	13592	5.29	ppb		86
48)	1,2-dichloroethane	9.137	62	9813	5.41	ppb		78
49)	tert-amyl methyl ether	9.759	73	11347	5.23	ppb		70
50)	heptane	10.126	43	7457	5.66	ppb	#	78
51)	trichloroethene	10.263	95	5169	5.80	ppb		92
52)	1,2-dichloropropane	10.229	63	3669	4.90	ppb		91
53)	dibromomethane	10.202	93	2856	4.90	ppb		96
54)	bromodichloromethane	10.317	83	6851	5.19	ppb		88
55)	Methylcyclohexane	10.781	83	6715	5.72	ppb	#	77
56)	2-chloroethyl vinyl ether	10.767	63	184m	2.89	ppb		
57)	methyl methacrylate	10.443	69	2062m	5.12	ppb		
58)	1,4-dioxane	10.446	88	58m	30.14	ppb		
59)	cis-1,3-dichloropropene	10.944	75	6024	4.88	ppb		97
61)	4-methyl-2-pentanone	11.073	43	4293	4.59	ppb	#	44
62)	toluene	11.723	92	9108	5.49	ppb		85
63)	trans-1,3-dichloropropene	11.367	75	6069	4.98	ppb		87
64)	1,1,2-trichloroethane	11.539	83	2451	4.92	ppb	#	79
65)	ethyl methacrylate	11.763	69	3406	4.34	ppb	#	1
67)	tetrachloroethene	12.462	166	4762	5.03	ppb		87
68)	1,3-dichloropropane	11.775	76	4981	4.91	ppb		90
69)	dibromochloromethane	12.064	129	4904	5.02	ppb		70
70)	1,2-dibromoethane	12.316	107	3794	5.61	ppb	#	66
71)	2-hexanone	11.985	43	3624m	5.01	ppb		
72)	chlorobenzene	13.143	112	11787	5.72	ppb		87
73)	1,1,1,2-tetrachloroethane	13.059	131	4748	4.95	ppb		84
74)	ethylbenzene	13.326	91	18612	5.33	ppb		92
75)	m,p-xylene	13.510	106	14297	10.57	ppb		88
76)	o-xylene	13.919	106	7585	5.45	ppb		91
77)	styrene	13.852	104	10886	4.90	ppb		74
78)	bromoform	13.673	173	4329	5.09	ppb		98
79)	trans-1,4-dichloro-2-b...	14.085	53	1687	3.67	ppb		93
81)	isopropylbenzene	14.287	105	20439	5.61	ppb		93
83)	bromobenzene	14.574	156	6151	5.38	ppb	#	69
84)	1,1,2,2-tetrachloroethane	13.927	83	3519	4.95	ppb		86
85)	1,2,3-trichloropropane	14.081	75	5328	5.42	ppb		87
86)	n-propylbenzene	14.736	91	24503	5.72	ppb		100
87)	2-chlorotoluene	14.848	91	15070	5.62	ppb		96
88)	4-chlorotoluene	14.932	91	15746	5.58	ppb		96
89)	1,3,5-trimethylbenzene	15.010	105	18397	5.46	ppb		98
90)	tert-butylbenzene	15.311	91	12153	5.49	ppb		100
91)	1,2,4-trimethylbenzene	15.416	105	18288	5.43	ppb		92
92)	sec-butylbenzene	15.535	105	22943	5.55	ppb		88
93)	1,3-dichlorobenzene	15.637	146	11300	5.17	ppb		89

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17400.D
Acq On : 17 Jan 2014 1:20 pm
Operator : garyk
Sample : ic822-5
Misc : ms30913,msu822,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 20 08:58:09 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

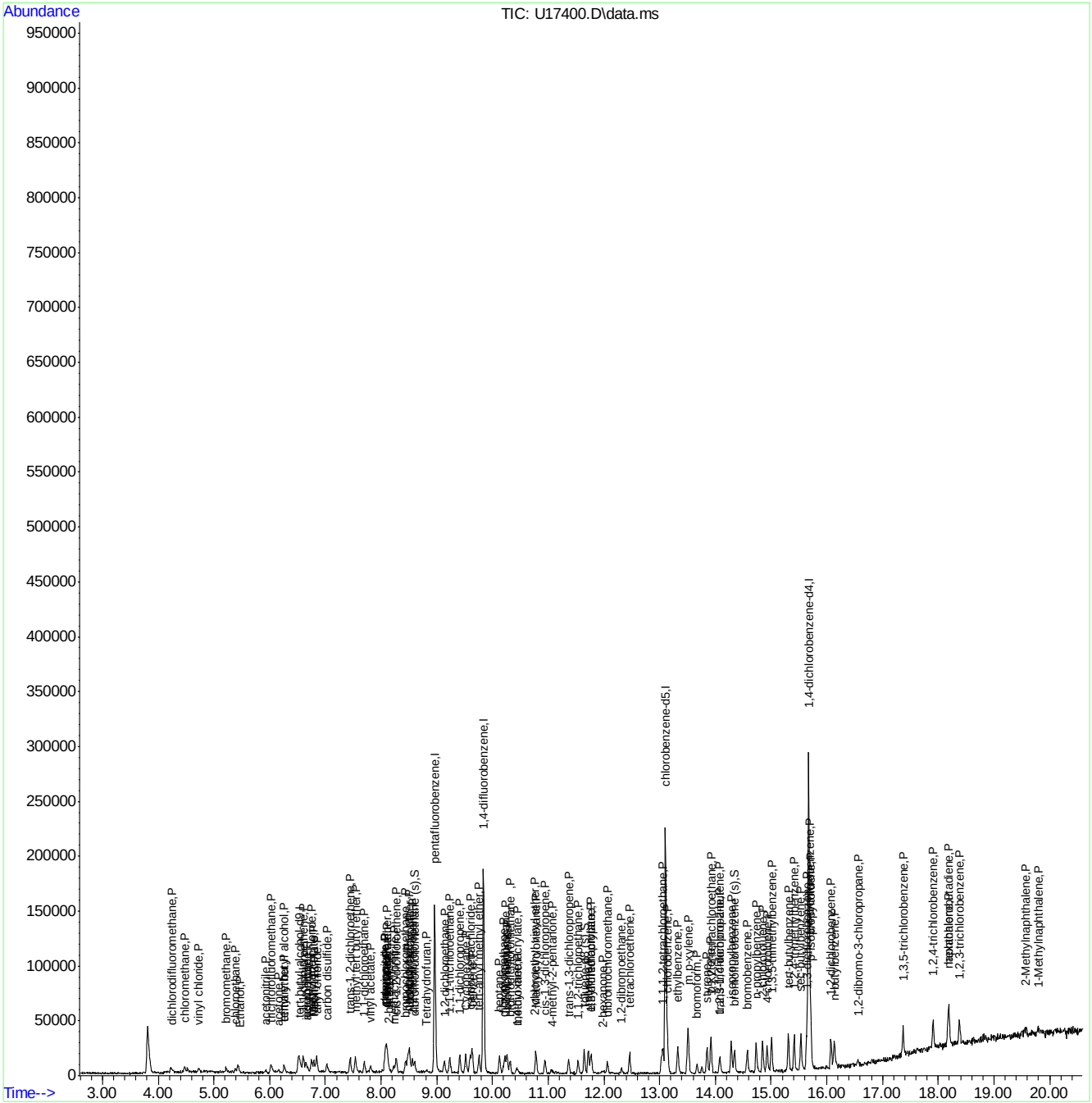
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
94) p-isopropyltoluene	15.713	119	19502	5.38	ppb		96
95) 1,4-dichlorobenzene	15.702	146	12407	5.72	ppb		98
96) 1,2-dichlorobenzene	16.076	146	11102	5.22	ppb		85
97) n-butylbenzene	16.140	91	17388	5.34	ppb		83
98) 1,2-dibromo-3-chloropr...	16.564	75	1510	5.84	ppb	#	56
99) 1,3,5-trichlorobenzene	17.371	180	9406	5.58	ug/L		94
100) 1,2,4-trichlorobenzene	17.911	180	8681	5.37	ppb		84
101) hexachlorobutadiene	18.194	225	6544	7.23	ppb		88
102) naphthalene	18.179	128	15781	5.19	ppb		100
103) 2-Methylnaphthalene	19.565	142	3554m	2.67	ug/L		
104) 1-Methylnaphthalene	19.798	142	3108m	3.09	ug/L		
105) 1,2,3-trichlorobenzene	18.382	180	8043	5.70	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17400.D
Acq On : 17 Jan 2014 1:20 pm
Operator : garyk
Sample : ic822-5
Misc : ms30913,msu822,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 20 08:58:09 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/20/14 10:47

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17401.D
Acq On : 17 Jan 2014 1:48 pm
Operator : garyk
Sample : ic822-10
Misc : ms30913,msu822,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 20 08:58:29 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.588	65	27572	500.00	ppb		-0.03
4) pentafluorobenzene	8.968	168	99393	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.839	114	130775	50.00	ppb		0.00
66) chlorobenzene-d5	13.108	82	66338	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.673	152	79374	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.602	113	8416	10.40	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 20.80%#				
60) toluene-d8 (s)	11.647	98	25529	9.70	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 19.40%#				
82) bromofluorobenzene (s)	14.340	95	11707	9.76	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 19.52%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.259	59	6780	121.95	ppb		86
3) Ethanol	5.537	45	5816m	2383.99	ppb		
5) dichlorodifluoromethane	4.237	85	12124	11.28	ppb		87
6) chloromethane	4.480	50	13402	11.11	ppb		94
7) vinyl chloride	4.728	62	10387	12.11	ppb		90
8) bromomethane	5.218	96	5478	11.45	ppb		96
9) chloroethane	5.382	64	3805m	10.72	ppb		
10) ethyl ether	6.259	59	6780	11.00	ppb		89
11) acetonitrile	5.923	41	3427	10.20	ppb		74
12) trichlorofluoromethane	6.036	101	20305	11.73	ppb		95
13) freon-113	6.801	101	7787	11.86	ppb	#	30
14) acrolein	6.014	56	109m	24.34	ppb		
15) 1,1-dichloroethene	6.602	96	6885	11.91	ppb		94
16) acetone	6.159	58	778m	12.16	ppb		
17) Methyl Acetate	6.808	43	13538m	14.67	ppb		
18) methylene chloride	6.752	84	7661	11.91	ppb	#	66
19) methyl tert butyl ether	7.543	73	24747	11.01	ppb		97
20) acrylonitrile	6.674	53	3250m	15.29	ppb		
21) allyl chloride	6.849	41	15897	11.22	ppb		93
22) trans-1,2-dichloroethene	7.446	96	8005	12.56	ppb		91
23) iodomethane	6.662	142	14675	12.21	ppb		63
24) carbon disulfide	7.030	76	21901	12.32	ppb		93
25) propionitrile	8.070	54	1045	10.63	ppb		100
26) vinyl acetate	7.812	43	19909	10.67	ppb		96
27) chloroprene	8.071	53	22899	12.23	ppb		77
28) di-isopropyl ether	8.112	45	35361	11.34	ppb		88
29) methacrylonitrile	8.234	41	6672	12.21	ppb		83
30) 2-butanone	8.131	72	1129m	14.35	ppb		
31) Ethyl Acetate	8.112	43	36031	12.19	ug/L		87
32) Hexane	8.101	41	22045	12.09	ppb	#	57
33) 1,1-dichloroethane	7.700	63	17640	12.00	ppb		96
34) tert-butyl ethyl ether	8.505	59	29725	10.57	ppb		93
35) isobutyl alcohol	8.521	43	7475	62.39	ppb	#	57
36) 2,2-dichloropropane	8.562	77	13624	13.62	ppb		97

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17401.D
Acq On : 17 Jan 2014 1:48 pm
Operator : garyk
Sample : ic822-10
Misc : ms30913,msu822,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 20 08:58:29 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	8.274	96	9054	12.18	ppb		96
38) bromochloromethane	8.440	128	4350	10.74	ppb	#	82
39) chloroform	8.480	83	18850	11.76	ppb		98
41) Tetrahydrofuran	8.826	42	3131m	12.43	ppb		
42) 1,1,1-trichloroethane	9.235	97	20300	12.38	ppb		98
44) Cyclohexane	9.524	56	16890	11.08	ppb		95
45) carbon tetrachloride	9.601	117	19055	11.35	ppb		96
46) 1,1-dichloropropene	9.413	75	11920	11.40	ppb		97
47) benzene	9.637	78	29074	11.31	ppb		97
48) 1,2-dichloroethane	9.137	62	20137	11.10	ppb		93
49) tert-amyl methyl ether	9.760	73	22776	10.50	ppb		92
50) heptane	10.128	43	16399	12.45	ppb		64
51) trichloroethene	10.262	95	10171	11.42	ppb	#	64
52) 1,2-dichloropropane	10.228	63	8195	10.94	ppb		92
53) dibromomethane	10.200	93	6182	10.60	ppb		98
54) bromodichloromethane	10.315	83	14479	10.98	ppb		97
55) Methylcyclohexane	10.781	83	12786	10.89	ppb	#	84
56) 2-chloroethyl vinyl ether	10.704	63	349m	5.48	ppb		
57) methyl methacrylate	10.428	69	3858	9.58	ppb		98
58) 1,4-dioxane	10.432	88	32m	16.63	ppb		
59) cis-1,3-dichloropropene	10.941	75	13263	10.76	ppb		95
61) 4-methyl-2-pentanone	11.068	43	10553	11.29	ppb	#	62
62) toluene	11.720	92	18762	11.31	ppb		96
63) trans-1,3-dichloropropene	11.363	75	12585	10.33	ppb		85
64) 1,1,2-trichloroethane	11.534	83	5427	10.90	ppb		86
65) ethyl methacrylate	11.759	69	8627	10.99	ppb	#	1
67) tetrachloroethene	12.461	166	11059	11.83	ppb		88
68) 1,3-dichloropropane	11.772	76	10839	10.81	ppb		87
69) dibromochloromethane	12.060	129	10300	10.68	ppb		96
70) 1,2-dibromoethane	12.313	107	7747	11.60	ppb		91
71) 2-hexanone	11.962	43	9173	12.82	ppb	#	62
72) chlorobenzene	13.142	112	23175	11.37	ppb		87
73) 1,1,1,2-tetrachloroethane	13.061	131	10400	10.97	ppb		91
74) ethylbenzene	13.323	91	39608	11.47	ppb		97
75) m,p-xylene	13.507	106	31203	23.35	ppb		82
76) o-xylene	13.919	106	15549	11.30	ppb		96
77) styrene	13.851	104	24090	10.97	ppb		71
78) bromoform	13.672	173	9416	11.21	ppb		93
79) trans-1,4-dichloro-2-b...	14.078	53	4571	10.07	ppb	#	64
81) isopropylbenzene	14.284	105	43000	11.26	ppb		92
83) bromobenzene	14.572	156	13341	11.11	ppb	#	78
84) 1,1,2,2-tetrachloroethane	13.926	83	7885	10.57	ppb		84
85) 1,2,3-trichloropropane	14.076	75	11258	10.91	ppb		96
86) n-propylbenzene	14.731	91	51944	11.55	ppb		99
87) 2-chlorotoluene	14.847	91	32111	11.42	ppb		87
88) 4-chlorotoluene	14.926	91	33609	11.35	ppb		100
89) 1,3,5-trimethylbenzene	15.007	105	38242	10.83	ppb		95
90) tert-butylbenzene	15.311	91	26212	11.29	ppb		95
91) 1,2,4-trimethylbenzene	15.414	105	39639	11.21	ppb		88
92) sec-butylbenzene	15.535	105	48232	11.13	ppb		92

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17401.D
Acq On : 17 Jan 2014 1:48 pm
Operator : garyk
Sample : ic822-10
Misc : ms30913,msu822,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 20 08:58:29 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

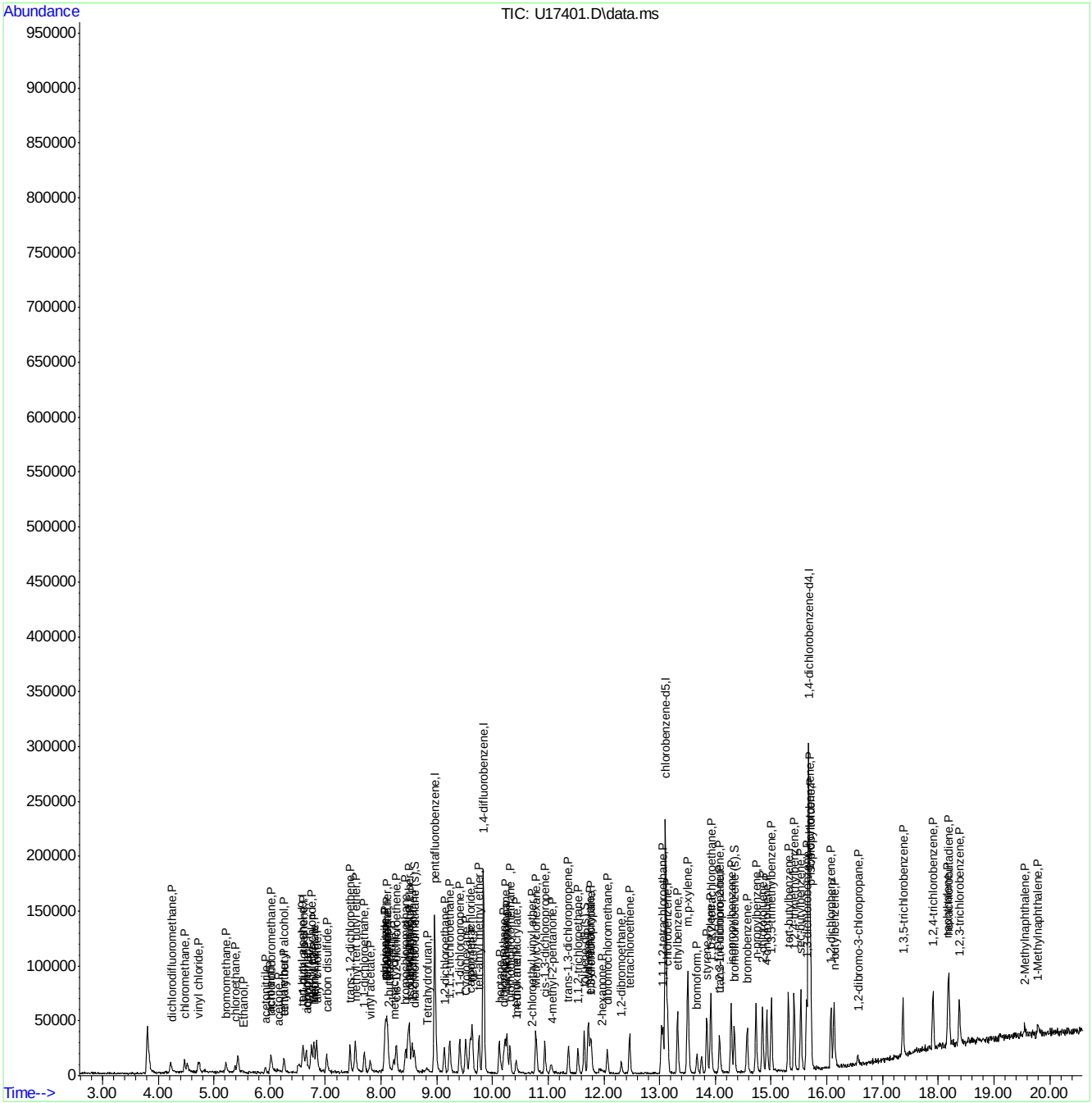
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.636	146	25748	11.23	ppb	92
94)	p-isopropyltoluene	15.709	119	41524	10.91	ppb	97
95)	1,4-dichlorobenzene	15.702	146	26237	11.53	ppb	93
96)	1,2-dichlorobenzene	16.074	146	25098	11.25	ppb	94
97)	n-butylbenzene	16.135	91	36660	10.74	ppb	99
98)	1,2-dibromo-3-chloropr...	16.564	75	3211	11.83	ppb	88
99)	1,3,5-trichlorobenzene	17.369	180	18026	10.20	ug/L	96
100)	1,2,4-trichlorobenzene	17.908	180	16168	9.53	ppb	80
101)	hexachlorobutadiene	18.192	225	11026	11.62	ppb	98
102)	naphthalene	18.176	128	32002	10.03	ppb	100
103)	2-Methylnaphthalene	19.561	142	6731m	4.82	ug/L	
104)	1-Methylnaphthalene	19.792	142	5127	4.86	ug/L	96
105)	1,2,3-trichlorobenzene	18.380	180	15071	10.18	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17401.D
Acq On : 17 Jan 2014 1:48 pm
Operator : garyk
Sample : ic822-10
Misc : ms30913,msu822,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 20 08:58:29 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/20/14 10:47

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17402.D
Acq On : 17 Jan 2014 2:15 pm
Operator : garyk
Sample : ic822-25
Misc : ms30913,msu822,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 20 09:13:21 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.547	65	21952	500.00	ppb		-0.07
4) pentafluorobenzene	8.964	168	102100	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.838	114	133709	50.00	ppb		0.00
66) chlorobenzene-d5	13.107	82	70086	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.673	152	78352	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.600	113	21895	26.35	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 52.70%#				
60) toluene-d8 (s)	11.644	98	66286	24.62	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 49.24%#				
82) bromofluorobenzene (s)	14.337	95	30557	25.82	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 51.64%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.256	59	15658	353.74	ppb		74
3) Ethanol	5.435	45	7087m	3648.69	ppb		
5) dichlorodifluoromethane	4.238	85	28955	26.23	ppb		87
6) chloromethane	4.480	50	32726	26.42	ppb		97
7) vinyl chloride	4.731	62	22892	25.98	ppb		99
8) bromomethane	5.215	96	13181	26.82	ppb		99
9) chloroethane	5.380	64	9662	26.49	ppb		98
10) ethyl ether	6.256	59	15658	24.73	ppb		96
11) acetonitrile	5.921	41	9498	27.53	ppb		92
12) trichlorofluoromethane	6.041	101	49519	27.86	ppb		93
13) freon-113	6.800	101	20069	29.75	ppb		90
14) acrolein	6.011	56	658m	143.03	ppb		
15) 1,1-dichloroethene	6.600	96	16751	28.20	ppb	#	63
16) acetone	6.155	58	2064m	31.40	ppb		
17) Methyl Acetate	6.808	43	32394	34.18	ppb	#	58
18) methylene chloride	6.753	84	17861	27.02	ppb	#	63
19) methyl tert butyl ether	7.544	73	58886	25.49	ppb		98
20) acrylonitrile	6.666	53	7422	33.98	ppb		74
21) allyl chloride	6.845	41	39693	27.28	ppb		94
22) trans-1,2-dichloroethene	7.444	96	18367	28.06	ppb		98
23) iodomethane	6.662	142	33714	27.32	ppb		76
24) carbon disulfide	7.028	76	51713	28.32	ppb		97
25) propionitrile	8.067	54	2726	27.00	ppb		100
26) vinyl acetate	7.811	43	47608	24.83	ppb		99
27) chloroprene	8.066	53	51401	26.73	ppb		76
28) di-isopropyl ether	8.109	45	82562	25.77	ppb		96
29) methacrylonitrile	8.235	41	17017	30.33	ppb		80
30) 2-butanone	8.124	72	2289m	28.32	ppb		
31) Ethyl Acetate	8.107	43	83786	27.59	ug/L		88
32) Hexane	8.092	41	50215	26.81	ppb	#	64
33) 1,1-dichloroethane	7.698	63	39780	26.33	ppb		95
34) tert-butyl ethyl ether	8.507	59	75542	26.14	ppb		93
35) isobutyl alcohol	8.522	43	16362	132.93	ppb		98
36) 2,2-dichloropropane	8.561	77	29335	28.56	ppb		94

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17402.D
Acq On : 17 Jan 2014 2:15 pm
Operator : garyk
Sample : ic822-25
Misc : ms30913,msu822,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 20 09:13:21 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	8.273	96	20941	27.42	ppb	#	83
38) bromochloromethane	8.441	128	10374	24.92	ppb		92
39) chloroform	8.479	83	45352	27.55	ppb		91
41) Tetrahydrofuran	8.823	42	6868	26.53	ppb		83
42) 1,1,1-trichloroethane	9.233	97	46897	27.83	ppb		94
44) Cyclohexane	9.522	56	43516	27.91	ppb		92
45) carbon tetrachloride	9.598	117	44996	26.22	ppb		89
46) 1,1-dichloropropene	9.410	75	29085	27.22	ppb		97
47) benzene	9.636	78	68987	26.26	ppb		98
48) 1,2-dichloroethane	9.145	62	52798	28.45	ppb		92
49) tert-amyl methyl ether	9.764	73	58303	26.29	ppb		89
50) heptane	10.120	43	39621	29.41	ppb	#	60
51) trichloroethene	10.259	95	24825m	27.25	ppb		
52) 1,2-dichloropropane	10.226	63	18802	24.55	ppb		99
53) dibromomethane	10.201	93	14786	24.80	ppb		90
54) bromodichloromethane	10.314	83	34931	25.90	ppb		97
55) Methylcyclohexane	10.780	83	33349	27.79	ppb		95
56) 2-chloroethyl vinyl ether	10.704	63	1424	21.89	ppb	#	49
57) methyl methacrylate	10.422	69	9742	23.66	ppb	#	79
58) 1,4-dioxane	10.450	88	293m	148.91	ppb		
59) cis-1,3-dichloropropene	10.938	75	32552	25.82	ppb		94
61) 4-methyl-2-pentanone	11.054	43	24200	25.32	ppb		87
62) toluene	11.717	92	45732	26.97	ppb		99
63) trans-1,3-dichloropropene	11.362	75	31684	25.44	ppb		98
64) 1,1,2-trichloroethane	11.532	83	12928	25.40	ppb	#	67
65) ethyl methacrylate	11.747	69	20392	25.41	ppb	#	29
67) tetrachloroethene	12.460	166	26637	26.96	ppb		97
68) 1,3-dichloropropane	11.769	76	26400	24.92	ppb		85
69) dibromochloromethane	12.059	129	25430	24.95	ppb		98
70) 1,2-dibromoethane	12.311	107	18156	25.73	ppb		99
71) 2-hexanone	11.929	43	22455	29.71	ppb		86
72) chlorobenzene	13.142	112	57858	26.87	ppb		97
73) 1,1,1,2-tetrachloroethane	13.061	131	24862	24.82	ppb		95
74) ethylbenzene	13.319	91	93109	25.51	ppb		97
75) m,p-xylene	13.504	106	71659	50.75	ppb		86
76) o-xylene	13.917	106	37081	25.51	ppb		91
77) styrene	13.844	104	58855	25.36	ppb		87
78) bromoform	13.669	173	22413	25.25	ppb		99
79) trans-1,4-dichloro-2-b...	14.073	53	10935	22.80	ppb	#	69
81) isopropylbenzene	14.281	105	105199	27.90	ppb		95
83) bromobenzene	14.569	156	30939	26.11	ppb	#	71
84) 1,1,2,2-tetrachloroethane	13.922	83	19803	26.90	ppb		89
85) 1,2,3-trichloropropane	14.072	75	27062	26.57	ppb		82
86) n-propylbenzene	14.727	91	122607	27.62	ppb		99
87) 2-chlorotoluene	14.844	91	76497	27.57	ppb		90
88) 4-chlorotoluene	14.922	91	79754	27.29	ppb		99
89) 1,3,5-trimethylbenzene	15.005	105	96086	27.56	ppb		100
90) tert-butylbenzene	15.310	91	65280	28.49	ppb		96
91) 1,2,4-trimethylbenzene	15.413	105	93910	26.90	ppb		93
92) sec-butylbenzene	15.533	105	119552	27.94	ppb		90

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17402.D
Acq On : 17 Jan 2014 2:15 pm
Operator : garyk
Sample : ic822-25
Misc : ms30913,msu822,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 20 09:13:21 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

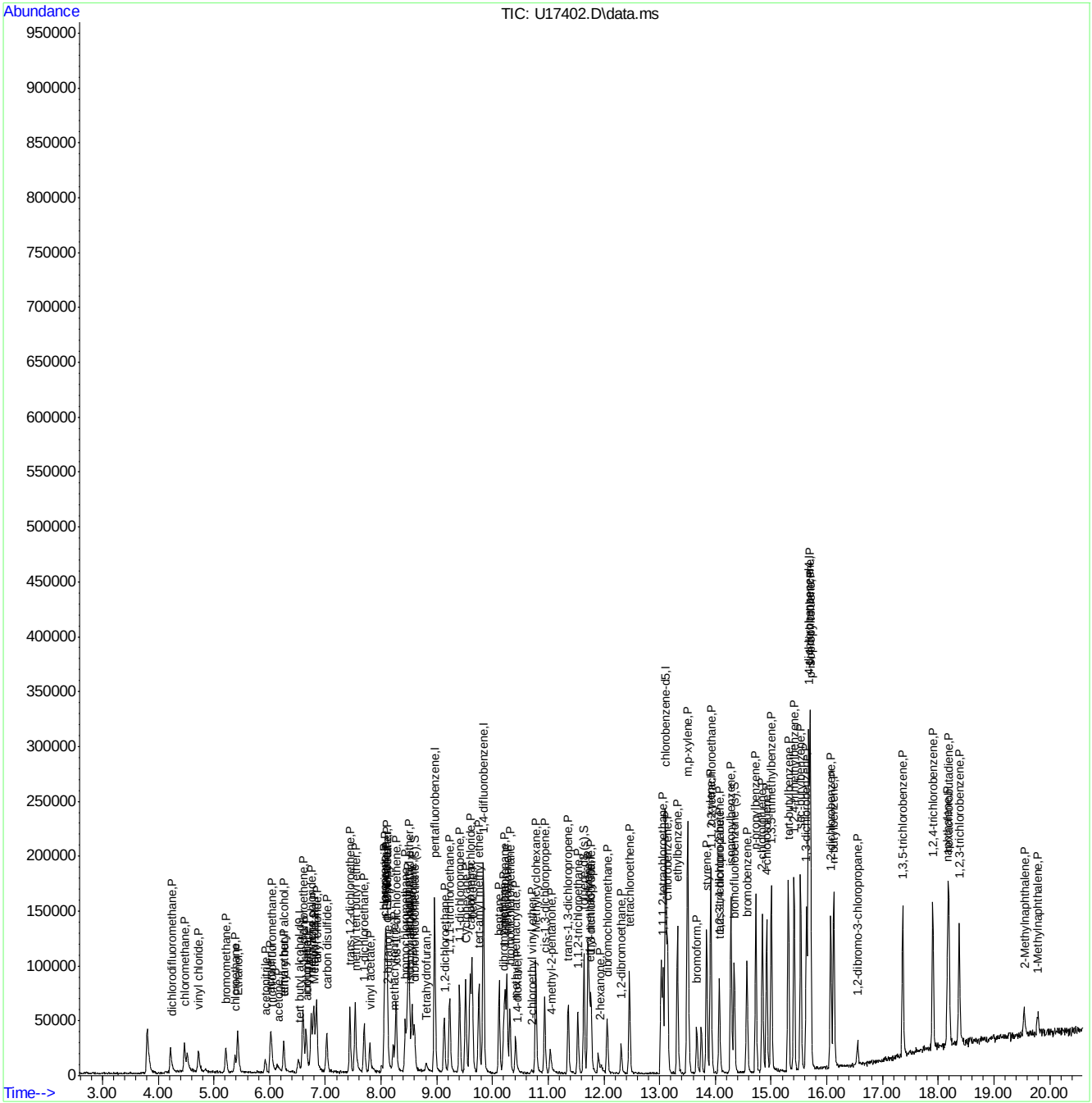
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.634	146	60354	26.68	ppb	89
94)	p-isopropyltoluene	15.706	119	101217	26.95	ppb	97
95)	1,4-dichlorobenzene	15.701	146	59828	26.64	ppb	98
96)	1,2-dichlorobenzene	16.071	146	58037	26.35	ppb	98
97)	n-butylbenzene	16.127	91	91671	27.20	ppb	88
98)	1,2-dibromo-3-chloropr...	16.555	75	6807	25.41	ppb	72
99)	1,3,5-trichlorobenzene	17.365	180	45731	26.20	ug/L	96
100)	1,2,4-trichlorobenzene	17.904	180	42563	25.41	ppb	99
101)	hexachlorobutadiene	18.192	225	27166	29.00	ppb	97
102)	naphthalene	18.171	128	78614	24.95	ppb	100
103)	2-Methylnaphthalene	19.548	142	16015	11.62	ug/L	93
104)	1-Methylnaphthalene	19.788	142	12095	11.62	ug/L #	91
105)	1,2,3-trichlorobenzene	18.377	180	36608	25.04	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17402.D
Acq On : 17 Jan 2014 2:15 pm
Operator : garyk
Sample : ic822-25
Misc : ms30913,msu822,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 20 09:13:21 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration



U17403.D

Manual Integrations APPROVED (compounds with "m" flag)

Tomasz Torski 01/20/14 10:47

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17403.D
Acq On : 17 Jan 2014 2:42 pm
Operator : garyk
Sample : icc822-50
Misc : ms30913,msu822,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 20 09:12:57 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.568	65	26599	500.00	ppb		-0.05
4) pentafluorobenzene	8.963	168	104224	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.837	114	133459	50.00	ppb		0.00
66) chlorobenzene-d5	13.105	82	69405	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.671	152	82114	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.599	113	42408	50.00	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	100.00%			
60) toluene-d8 (s)	11.642	98	134359	50.00	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	100.00%			
82) bromofluorobenzene (s)	14.335	95	62022	50.00	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	100.00%			
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.257	59	32315	602.50	ppb		82
3) Ethanol	5.446	45	15876m	6745.66	ppb		
5) dichlorodifluoromethane	4.247	85	56344	50.00	ppb		97
6) chloromethane	4.484	50	63229	50.00	ppb		95
7) vinyl chloride	4.733	62	44970	50.00	ppb		96
8) bromomethane	5.219	96	25084	50.00	ppb		87
9) chloroethane	5.383	64	18616	50.00	ppb		94
10) ethyl ether	6.257	59	32315	50.00	ppb		89
11) acetonitrile	5.925	41	17611	50.00	ppb		88
12) trichlorofluoromethane	6.040	101	90721	50.00	ppb		95
13) freon-113	6.801	101	34435	50.00	ppb		96
14) acrolein	6.007	56	1174m	250.00	ppb		
15) 1,1-dichloroethene	6.601	96	30318	50.00	ppb	#	59
16) acetone	6.147	58	3355	50.00	ppb	#	62
17) Methyl Acetate	6.780	43	48030m	49.64	ppb		
18) methylene chloride	6.753	84	33738	50.00	ppb		88
19) methyl tert butyl ether	7.543	73	117898	50.00	ppb		100
20) acrylonitrile	6.653	53	11148	50.00	ppb		90
21) allyl chloride	6.845	41	74257	50.00	ppb		96
22) trans-1,2-dichloroethene	7.443	96	33405	50.00	ppb		89
23) iodomethane	6.661	142	62996	50.00	ppb		54
24) carbon disulfide	7.029	76	93201	50.00	ppb		92
25) propionitrile	8.065	54	5038	48.87	ppb		100
26) vinyl acetate	7.807	43	97845	50.00	ppb		93
27) chloroprene	8.065	53	98155	50.00	ppb		74
28) di-isopropyl ether	8.108	45	163531	50.00	ppb		93
29) methacrylonitrile	8.228	41	30922	53.98	ppb		87
30) 2-butanone	8.115	72	4126	50.00	ppb	#	1
31) Ethyl Acetate	8.104	43	154988	50.00	ug/L		91
32) Hexane	8.091	41	95607	50.00	ppb	#	71
33) 1,1-dichloroethane	7.698	63	77102	50.00	ppb		98
34) tert-butyl ethyl ether	8.506	59	147493	50.00	ppb		92
35) isobutyl alcohol	8.518	43	33033	262.91	ppb		83
36) 2,2-dichloropropane	8.560	77	52427	50.00	ppb		86

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17403.D
Acq On : 17 Jan 2014 2:42 pm
Operator : garyk
Sample : icc822-50
Misc : ms30913,msu822,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 20 09:12:57 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	8.272	96	38982	50.00	ppb		93
38) bromochloromethane	8.439	128	21245	50.00	ppb	#	83
39) chloroform	8.478	83	84033	50.00	ppb		97
41) Tetrahydrofuran	8.827	42	13212	50.00	ppb		77
42) 1,1,1-trichloroethane	9.234	97	86003	50.00	ppb		96
44) Cyclohexane	9.522	56	77810	50.00	ppb		91
45) carbon tetrachloride	9.599	117	85643	50.00	ppb		95
46) 1,1-dichloropropene	9.409	75	53332	50.00	ppb		98
47) benzene	9.634	78	131114	50.00	ppb		98
48) 1,2-dichloroethane	9.135	62	92606	50.00	ppb		90
49) tert-amyl methyl ether	9.761	73	110687	50.00	ppb		79
50) heptane	10.118	43	69317m	51.55	ppb		
51) trichloroethene	10.258	95	45459	50.00	ppb		92
52) 1,2-dichloropropane	10.225	63	38225	50.00	ppb		95
53) dibromomethane	10.200	93	29753	50.00	ppb		94
54) bromodichloromethane	10.313	83	67317	50.00	ppb		100
55) Methylcyclohexane	10.779	83	59899	50.00	ppb		96
56) 2-chloroethyl vinyl ether	10.698	63	3247	50.00	ppb	#	49
57) methyl methacrylate	10.416	69	20549	50.00	ppb	#	38
58) 1,4-dioxane	10.450	88	635m	323.32	ppb		
59) cis-1,3-dichloropropene	10.936	75	62924	50.00	ppb		91
61) 4-methyl-2-pentanone	11.042	43	47703	50.00	ppb		91
62) toluene	11.715	92	84625	50.00	ppb		97
63) trans-1,3-dichloropropene	11.358	75	62147	50.00	ppb		81
64) 1,1,2-trichloroethane	11.530	83	25405	50.00	ppb		94
65) ethyl methacrylate	11.739	69	40045	50.00	ppb		75
67) tetrachloroethene	12.458	166	48919	50.00	ppb		95
68) 1,3-dichloropropane	11.768	76	52459	50.00	ppb		93
69) dibromochloromethane	12.057	129	50466	50.00	ppb		91
70) 1,2-dibromoethane	12.310	107	34939	50.00	ppb		95
71) 2-hexanone	11.909	43	37419	50.00	ppb		99
72) chlorobenzene	13.140	112	106597	50.00	ppb		98
73) 1,1,1,2-tetrachloroethane	13.060	131	49597	50.00	ppb		94
74) ethylbenzene	13.317	91	180720	50.00	ppb		97
75) m,p-xylene	13.501	106	139833	100.00	ppb		92
76) o-xylene	13.915	106	71976	50.00	ppb		98
77) styrene	13.842	104	114916	50.00	ppb		89
78) bromoform	13.667	173	43948	50.00	ppb		98
79) trans-1,4-dichloro-2-b...	14.068	53	23746	50.00	ppb	#	46
81) isopropylbenzene	14.279	105	197606	50.00	ppb		99
83) bromobenzene	14.566	156	62093	50.00	ppb	#	75
84) 1,1,2,2-tetrachloroethane	13.920	83	38577	50.00	ppb		93
85) 1,2,3-trichloropropane	14.069	75	53363	50.00	ppb		94
86) n-propylbenzene	14.725	91	232610	50.00	ppb		99
87) 2-chlorotoluene	14.843	91	145404	50.00	ppb		94
88) 4-chlorotoluene	14.919	91	153137	50.00	ppb		97
89) 1,3,5-trimethylbenzene	15.003	105	182701	50.00	ppb		99
90) tert-butylbenzene	15.308	91	120063	50.00	ppb		97
91) 1,2,4-trimethylbenzene	15.412	105	182923	50.00	ppb		94
92) sec-butylbenzene	15.531	105	224230	50.00	ppb		95

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17403.D
Acq On : 17 Jan 2014 2:42 pm
Operator : garyk
Sample : icc822-50
Misc : ms30913,msu822,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 20 09:12:57 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	15.633	146	118559	50.00	ppb		98
94)	p-isopropyltoluene	15.704	119	196786	50.00	ppb		95
95)	1,4-dichlorobenzene	15.700	146	117682	50.00	ppb		97
96)	1,2-dichlorobenzene	16.069	146	115406	50.00	ppb		91
97)	n-butylbenzene	16.124	91	176620	50.00	ppb		94
98)	1,2-dibromo-3-chloropr...	16.553	75	14039	50.00	ppb	#	74
99)	1,3,5-trichlorobenzene	17.363	180	91450	50.00	ug/L		97
100)	1,2,4-trichlorobenzene	17.902	180	87775	50.00	ppb		97
101)	hexachlorobutadiene	18.191	225	49090	50.00	ppb		99
102)	naphthalene	18.169	128	165088	50.00	ppb		100
103)	2-Methylnaphthalene	19.540	142	36106	25.00	ug/L		97
104)	1-Methylnaphthalene	19.784	142	27327m	25.04	ug/L		
105)	1,2,3-trichlorobenzene	18.375	180	76612	50.00	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

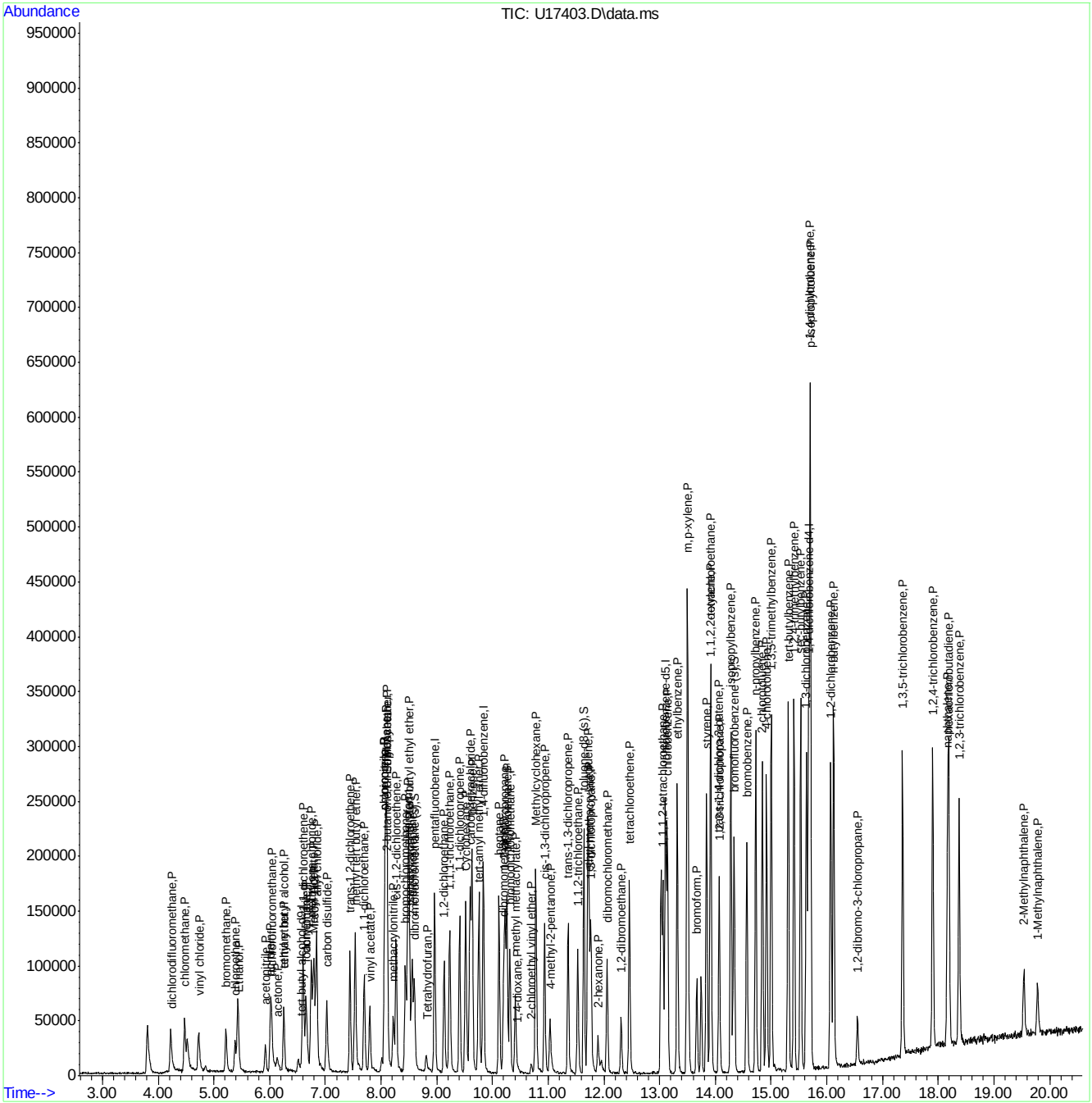
7.6.7

7

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17403.D
Acq On : 17 Jan 2014 2:42 pm
Operator : garyk
Sample : icc822-50
Misc : ms30913,msu822,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 20 09:12:57 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/20/14 10:47

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17404.D
Acq On : 17 Jan 2014 3:09 pm
Operator : garyk
Sample : ic822-100
Misc : ms30913,msu822,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 20 09:16:29 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.524	65	30715	500.00	ppb		-0.09
4) pentafluorobenzene	8.963	168	102094	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.836	114	134317	50.00	ppb		0.00
66) chlorobenzene-d5	13.105	82	71405	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.671	152	82983	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.598	113	86645	104.29	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 208.58%#				
60) toluene-d8 (s)	11.641	98	281707	104.16	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 208.32%#				
82) bromofluorobenzene (s)	14.334	95	129005	102.91	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 205.82%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.255	59	71486	1154.23	ppb		83
3) Ethanol	5.442	45	52940m	19479.70	ppb		
5) dichlorodifluoromethane	4.248	85	113141	102.50	ppb		81
6) chloromethane	4.482	50	129541	104.58	ppb		100
7) vinyl chloride	4.733	62	93583	106.22	ppb		94
8) bromomethane	5.219	96	51876	105.56	ppb		97
9) chloroethane	5.381	64	38687	106.08	ppb		92
10) ethyl ether	6.255	59	71486	112.92	ppb		96
11) acetonitrile	5.922	41	33345	96.65	ppb		93
12) trichlorofluoromethane	6.043	101	188092	105.83	ppb		99
13) freon-113	6.802	101	70543	104.57	ppb		84
14) acrolein	6.004	56	2860	621.74	ppb		68
15) 1,1-dichloroethene	6.599	96	60760	102.30	ppb	#	74
16) acetone	6.142	58	11167	169.90	ppb	#	16
17) Methyl Acetate	6.782	43	123878	130.71	ppb	#	91
18) methylene chloride	6.750	84	73973	111.92	ppb	#	79
19) methyl tert butyl ether	7.537	73	257853	111.64	ppb		96
20) acrylonitrile	6.652	53	32527	148.93	ppb		77
21) allyl chloride	6.844	41	152935	105.13	ppb		98
22) trans-1,2-dichloroethene	7.442	96	68460	104.61	ppb		88
23) iodomethane	6.658	142	134371	108.88	ppb		65
24) carbon disulfide	7.026	76	189981	104.05	ppb		97
25) propionitrile	8.066	54	10232	101.33	ppb		100
26) vinyl acetate	7.797	43	200378	104.53	ppb		99
27) chloroprene	8.064	53	195208	101.51	ppb		76
28) di-isopropyl ether	8.106	45	348864	108.89	ppb		87
29) methacrylonitrile	8.220	41	66627	118.74	ppb		89
30) 2-butanone	8.110	72	11069	136.94	ppb	#	20
31) Ethyl Acetate	8.101	43	329555	108.53	ug/L		91
32) Hexane	8.091	41	190024	101.45	ppb	#	72
33) 1,1-dichloroethane	7.697	63	160721	106.40	ppb		97
34) tert-butyl ethyl ether	8.503	59	318990	110.39	ppb		95
35) isobutyl alcohol	8.512	43	65343	530.91	ppb		83
36) 2,2-dichloropropane	8.560	77	108758	105.89	ppb		93

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17404.D
Acq On : 17 Jan 2014 3:09 pm
Operator : garyk
Sample : ic822-100
Misc : ms30913,msu822,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 20 09:16:29 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.270	96	81352	106.52	ppb		82
38)	bromochloromethane	8.437	128	44133	106.03	ppb		95
39)	chloroform	8.477	83	179138	108.81	ppb		97
41)	Tetrahydrofuran	8.812	42	28465	109.97	ppb		99
42)	1,1,1-trichloroethane	9.233	97	171651	101.88	ppb		98
44)	Cyclohexane	9.523	56	149648	95.55	ppb		99
45)	carbon tetrachloride	9.599	117	173822	100.83	ppb		98
46)	1,1-dichloropropene	9.408	75	109251	101.77	ppb		99
47)	benzene	9.633	78	283129	107.28	ppb		100
48)	1,2-dichloroethane	9.133	62	203594	109.22	ppb		89
49)	tert-amyl methyl ether	9.759	73	244782	109.87	ppb		82
50)	heptane	10.118	43	138514	102.35	ppb	#	63
51)	trichloroethene	10.257	95	93747	102.45	ppb		92
52)	1,2-dichloropropane	10.224	63	77512	100.74	ppb		96
53)	dibromomethane	10.198	93	61273	102.31	ppb		83
54)	bromodichloromethane	10.312	83	143960	106.24	ppb		96
55)	Methylcyclohexane	10.780	83	121033	100.39	ppb		90
56)	2-chloroethyl vinyl ether	10.694	63	6673	102.10	ppb		94
57)	methyl methacrylate	10.410	69	45455	109.89	ppb	#	53
58)	1,4-dioxane	10.429	88	1926m	974.39	ppb		
59)	cis-1,3-dichloropropene	10.934	75	135263	106.79	ppb		98
61)	4-methyl-2-pentanone	11.033	43	104737	109.08	ppb		92
62)	toluene	11.714	92	182340	107.05	ppb		97
63)	trans-1,3-dichloropropene	11.356	75	136492	109.11	ppb		89
64)	1,1,2-trichloroethane	11.529	83	52662	102.98	ppb		92
65)	ethyl methacrylate	11.734	69	89750	111.35	ppb		86
67)	tetrachloroethene	12.458	166	99555	98.90	ppb		93
68)	1,3-dichloropropane	11.765	76	115392	106.90	ppb		87
69)	dibromochloromethane	12.056	129	111367	107.25	ppb		97
70)	1,2-dibromoethane	12.308	107	77638	107.99	ppb		96
71)	2-hexanone	11.895	43	93644	121.62	ppb		98
72)	chlorobenzene	13.139	112	231578	105.58	ppb		96
73)	1,1,1,2-tetrachloroethane	13.059	131	105857	103.73	ppb		89
74)	ethylbenzene	13.316	91	377710	101.57	ppb		96
75)	m,p-xylene	13.500	106	293261	203.85	ppb		87
76)	o-xylene	13.914	106	154429	104.27	ppb		88
77)	styrene	13.841	104	244049	103.21	ppb		82
78)	bromoform	13.666	173	95728	105.86	ppb		96
79)	trans-1,4-dichloro-2-b...	14.067	53	51828	106.07	ppb	#	59
81)	isopropylbenzene	14.278	105	421524	105.54	ppb		98
83)	bromobenzene	14.565	156	131451	104.74	ppb	#	78
84)	1,1,2,2-tetrachloroethane	13.919	83	78105	100.17	ppb		95
85)	1,2,3-trichloropropane	14.067	75	119717	111.00	ppb		96
86)	n-propylbenzene	14.724	91	484394	103.03	ppb		99
87)	2-chlorotoluene	14.843	91	311475	105.99	ppb		92
88)	4-chlorotoluene	14.918	91	334527	108.08	ppb		96
89)	1,3,5-trimethylbenzene	15.002	105	389716	105.54	ppb		99
90)	tert-butylbenzene	15.308	91	256858	105.85	ppb		88
91)	1,2,4-trimethylbenzene	15.412	105	398333	107.74	ppb		98
92)	sec-butylbenzene	15.531	105	467316	103.11	ppb		93

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17404.D
Acq On : 17 Jan 2014 3:09 pm
Operator : garyk
Sample : ic822-100
Misc : ms30913,msu822,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 20 09:16:29 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.633	146	260009	108.51	ppb	98
94)	p-isopropyltoluene	15.703	119	428021	107.61	ppb	94
95)	1,4-dichlorobenzene	15.700	146	258787	108.80	ppb	96
96)	1,2-dichlorobenzene	16.069	146	262855	112.69	ppb	99
97)	n-butylbenzene	16.122	91	385024	107.86	ppb	93
98)	1,2-dibromo-3-chloropr...	16.550	75	29683	104.61	ppb	97
99)	1,3,5-trichlorobenzene	17.362	180	214077	115.82	ug/L	97
100)	1,2,4-trichlorobenzene	17.901	180	211671	119.31	ppb	97
101)	hexachlorobutadiene	18.190	225	112374	113.26	ppb	96
102)	naphthalene	18.167	128	386824	115.93	ppb	100
103)	2-Methylnaphthalene	19.537	142	93534	64.09	ug/L	95
104)	1-Methylnaphthalene	19.781	142	68727	62.32	ug/L	96
105)	1,2,3-trichlorobenzene	18.374	180	187092	120.82	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

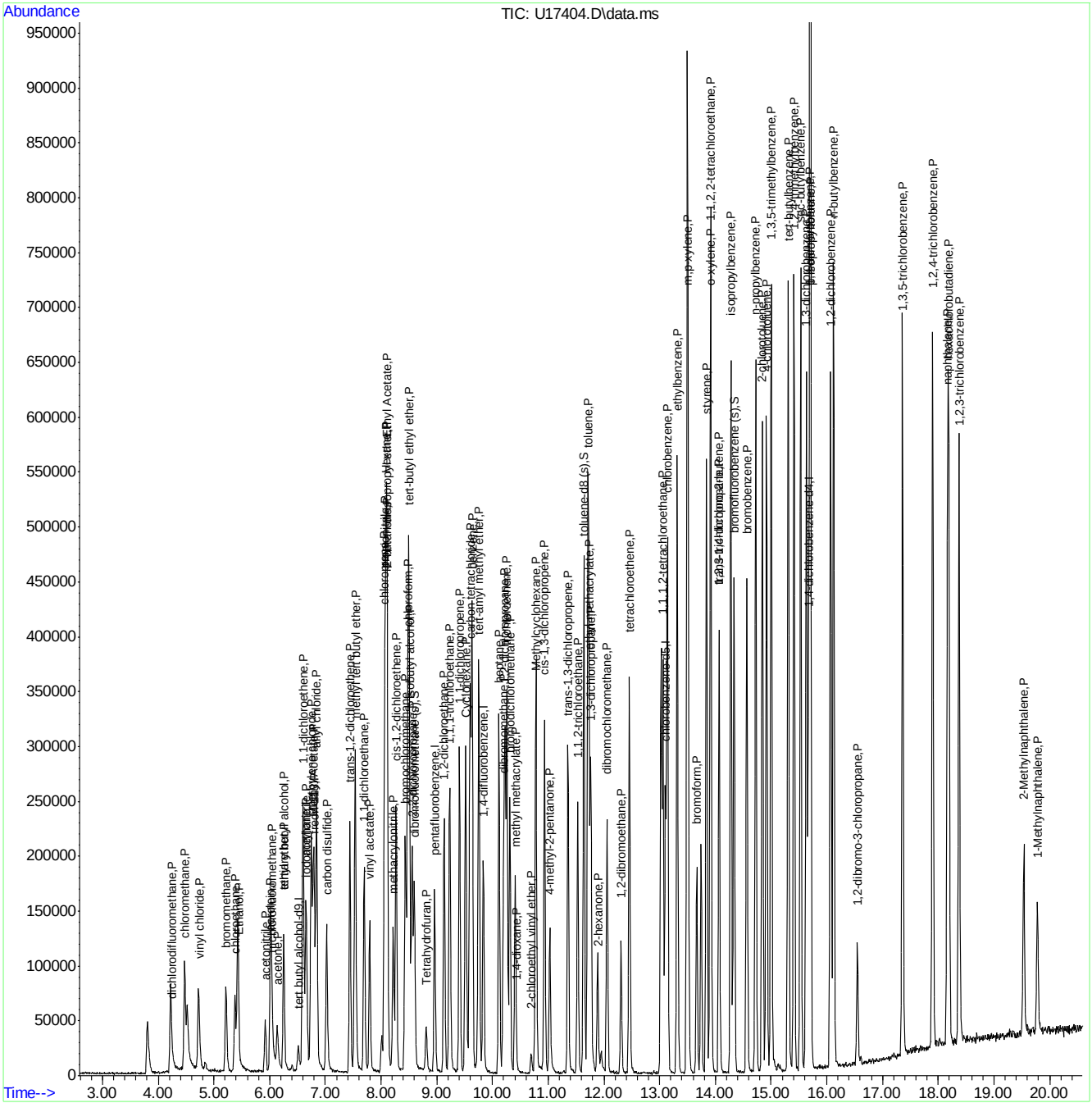
7.6.8

7

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17404.D
Acq On : 17 Jan 2014 3:09 pm
Operator : garyk
Sample : ic822-100
Misc : ms30913,msu822,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 20 09:16:29 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/20/14 10:47

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17405.D
Acq On : 17 Jan 2014 3:36 pm
Operator : garyk
Sample : ic822-200
Misc : ms30913,msu822,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 20 09:11:47 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.532	65	37099	500.00	ppb		-0.08
4) pentafluorobenzene	8.961	168	111881	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.836	114	146255	50.00	ppb		0.00
66) chlorobenzene-d5	13.105	82	76888	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.671	152	95776	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.598	113	188236	206.75	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 413.50%#				
60) toluene-d8 (s)	11.640	98	607252	206.21	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 412.42%#				
82) bromofluorobenzene (s)	14.334	95	279477	193.17	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 386.34%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.253	59	154657	2067.42	ppb		92
3) Ethanol	5.474	45	137447m	41871.83	ppb		
5) dichlorodifluoromethane	4.247	85	251256	207.71	ppb		96
6) chloromethane	4.486	50	284809	209.81	ppb		98
7) vinyl chloride	4.731	62	208000	215.44	ppb		100
8) bromomethane	5.219	96	112536	208.97	ppb		96
9) chloroethane	5.378	64	81773	204.60	ppb		97
10) ethyl ether	6.253	59	154657	222.92	ppb		90
11) acetonitrile	5.921	41	86402	228.52	ppb		92
12) trichlorofluoromethane	6.047	101	419314	215.28	ppb		100
13) freon-113	6.802	101	158914	214.95	ppb		83
14) acrolein	6.002	56	6266	1243.01	ppb		92
15) 1,1-dichloroethene	6.600	96	139598	214.47	ppb	#	71
16) acetone	6.140	58	22823	316.86	ppb	#	9
17) Methyl Acetate	6.780	43	271139	261.07	ppb	#	90
18) methylene chloride	6.750	84	153903	212.48	ppb	#	79
19) methyl tert butyl ether	7.538	73	554043	218.89	ppb		98
20) acrylonitrile	6.651	53	73990	309.14	ppb		93
21) allyl chloride	6.842	41	329669	206.79	ppb		95
22) trans-1,2-dichloroethene	7.441	96	153115	213.49	ppb		84
23) iodomethane	6.660	142	290718	214.95	ppb		66
24) carbon disulfide	7.028	76	424978	212.39	ppb		96
25) propionitrile	8.065	54	23698	214.17	ppb		100
26) vinyl acetate	7.795	43	447204	212.89	ppb		99
27) chloroprene	8.063	53	438967	208.31	ppb		74
28) di-isopropyl ether	8.105	45	734908	209.32	ppb		87
29) methacrylonitrile	8.218	41	144392	234.82	ppb		85
30) 2-butanone	8.108	72	25159	284.02	ppb	#	1
31) Ethyl Acetate	8.100	43	715148	214.92	ug/L		90
32) Hexane	8.089	41	418314	203.80	ppb	#	77
33) 1,1-dichloroethane	7.696	63	345137	208.50	ppb		99
34) tert-butyl ethyl ether	8.504	59	676664	213.69	ppb		96
35) isobutyl alcohol	8.517	43	141476	1048.94	ppb		99
36) 2,2-dichloropropane	8.558	77	215283	191.27	ppb		94

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17405.D
Acq On : 17 Jan 2014 3:36 pm
Operator : garyk
Sample : ic822-200
Misc : ms30913,msu822,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 20 09:11:47 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.270	96	170159	203.32	ppb		85
38)	bromochloromethane	8.436	128	95325	208.99	ppb		94
39)	chloroform	8.477	83	378779	209.95	ppb		100
41)	Tetrahydrofuran	8.811	42	62036	218.70	ppb		97
42)	1,1,1-trichloroethane	9.235	97	381516	206.62	ppb		97
44)	Cyclohexane	9.522	56	354015	207.58	ppb		94
45)	carbon tetrachloride	9.599	117	387243	206.30	ppb		98
46)	1,1-dichloropropene	9.407	75	248159	212.30	ppb		98
47)	benzene	9.632	78	609987	212.27	ppb		98
48)	1,2-dichloroethane	9.132	62	423466	208.63	ppb		91
49)	tert-amyl methyl ether	9.756	73	503371	207.49	ppb		84
50)	heptane	10.118	43	327620m	222.33	ppb		
51)	trichloroethene	10.257	95	204814	205.56	ppb		95
52)	1,2-dichloropropane	10.223	63	171686	204.92	ppb		99
53)	dibromomethane	10.197	93	129883	199.17	ppb		89
54)	bromodichloromethane	10.311	83	305935	207.35	ppb		98
55)	Methylcyclohexane	10.779	83	279341	212.78	ppb		90
56)	2-chloroethyl vinyl ether	10.691	63	14979	210.48	ppb		95
57)	methyl methacrylate	10.407	69	101926	226.31	ppb	#	72
58)	1,4-dioxane	10.439	88	4756m	2209.72	ppb		
59)	cis-1,3-dichloropropene	10.933	75	298253	216.26	ppb		97
61)	4-methyl-2-pentanone	11.028	43	225761	215.93	ppb		91
62)	toluene	11.712	92	395234	213.09	ppb		98
63)	trans-1,3-dichloropropene	11.355	75	298819	219.38	ppb		87
64)	1,1,2-trichloroethane	11.528	83	116013	208.35	ppb		97
65)	ethyl methacrylate	11.735	69	199887	227.74	ppb		77
67)	tetrachloroethene	12.457	166	225092	207.68	ppb		96
68)	1,3-dichloropropane	11.765	76	249479	214.64	ppb		91
69)	dibromochloromethane	12.055	129	237397	212.31	ppb		100
70)	1,2-dibromoethane	12.307	107	170310	220.00	ppb		96
71)	2-hexanone	11.890	43	189225	228.24	ppb		97
72)	chlorobenzene	13.139	112	506910	214.63	ppb		96
73)	1,1,1,2-tetrachloroethane	13.058	131	222709	202.67	ppb		93
74)	ethylbenzene	13.315	91	841581	210.18	ppb		97
75)	m,p-xylene	13.500	106	648714	418.77	ppb		94
76)	o-xylene	13.914	106	334687	209.87	ppb		96
77)	styrene	13.840	104	527033	206.99	ppb		83
78)	bromoform	13.665	173	209143	214.79	ppb		97
79)	trans-1,4-dichloro-2-b...	14.065	53	115119	218.81	ppb	#	53
81)	isopropylbenzene	14.278	105	931058	201.98	ppb		100
83)	bromobenzene	14.564	156	281287	194.19	ppb	#	79
84)	1,1,2,2-tetrachloroethane	13.918	83	177764	197.54	ppb		99
85)	1,2,3-trichloropropane	14.066	75	260432	209.21	ppb		99
86)	n-propylbenzene	14.724	91	1093887	201.59	ppb		97
87)	2-chlorotoluene	14.842	91	690436	203.55	ppb		95
88)	4-chlorotoluene	14.917	91	728308	203.88	ppb		96
89)	1,3,5-trimethylbenzene	15.001	105	878707	206.17	ppb		98
90)	tert-butylbenzene	15.307	91	581040	207.46	ppb		92
91)	1,2,4-trimethylbenzene	15.411	105	875474	205.17	ppb		97
92)	sec-butylbenzene	15.531	105	1068474	204.27	ppb		94

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17405.D
Acq On : 17 Jan 2014 3:36 pm
Operator : garyk
Sample : ic822-200
Misc : ms30913,msu822,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 20 09:11:47 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

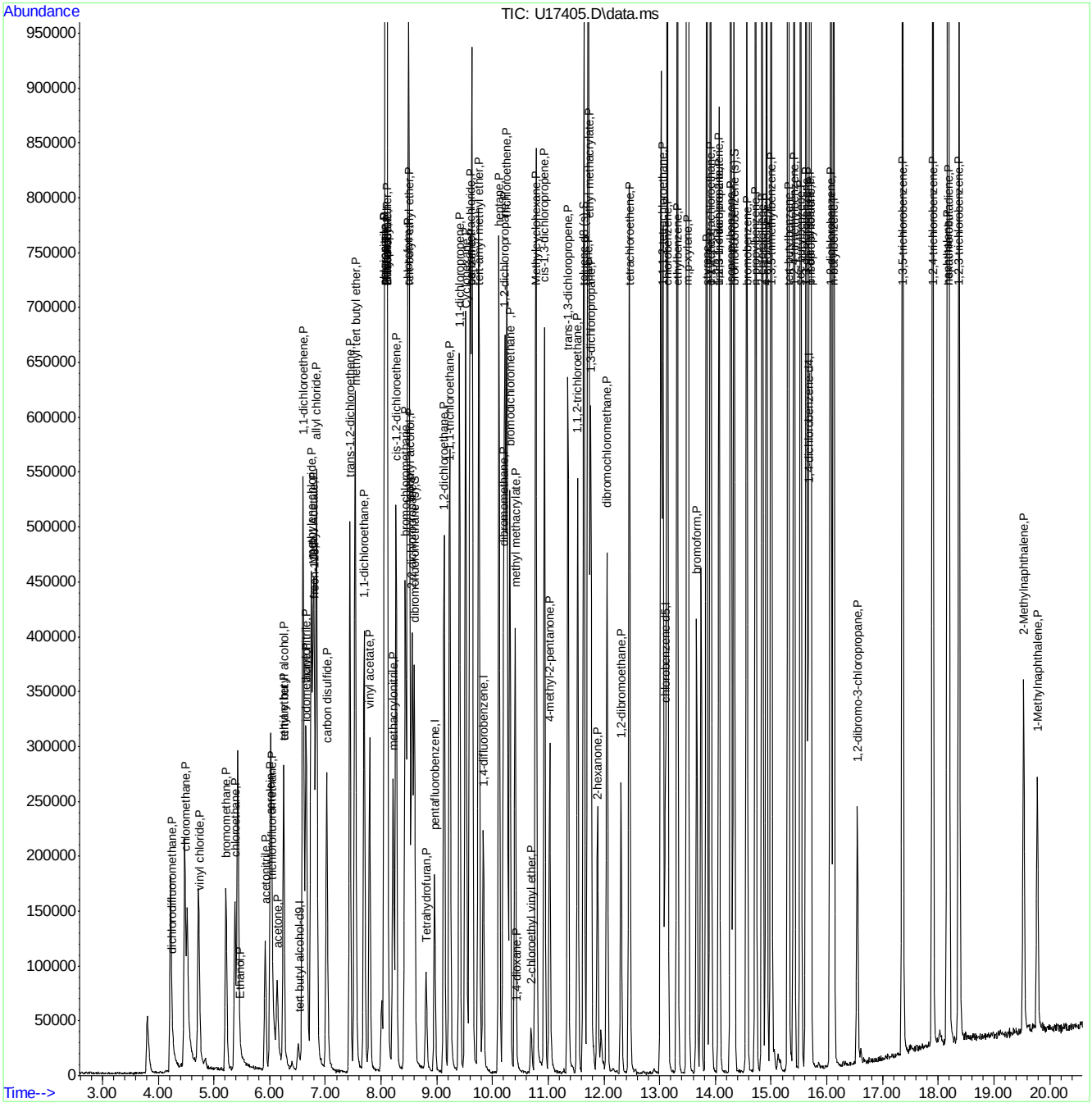
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.633	146	572165	206.88	ppb	98
94)	p-isopropyltoluene	15.703	119	966977	210.65	ppb	96
95)	1,4-dichlorobenzene	15.700	146	569068	207.29	ppb	98
96)	1,2-dichlorobenzene	16.068	146	568971	211.35	ppb	97
97)	n-butylbenzene	16.121	91	882962	214.31	ppb	88
98)	1,2-dibromo-3-chloropr...	16.549	75	64772	197.78	ppb	91
99)	1,3,5-trichlorobenzene	17.361	180	445765	208.96	ug/L	99
100)	1,2,4-trichlorobenzene	17.900	180	421673	205.94	ppb	99
101)	hexachlorobutadiene	18.190	225	223040	194.77	ppb	99
102)	naphthalene	18.167	128	784934	203.82	ppb	100
103)	2-Methylnaphthalene	19.535	142	176736	104.92	ug/L	97
104)	1-Methylnaphthalene	19.780	142	130180	102.28	ug/L	97
105)	1,2,3-trichlorobenzene	18.373	180	361546	202.30	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17405.D
Acq On : 17 Jan 2014 3:36 pm
Operator : garyk
Sample : ic822-200
Misc : ms30913,msu822,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 20 09:11:47 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Tomasz Torski
01/20/14 10:47

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17406.D
Acq On : 17 Jan 2014 4:04 pm
Operator : garyk
Sample : ic822-400
Misc : ms30913,msu822,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 20 09:15:47 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.522	65	41596	500.00	ppb		-0.09
4) pentafluorobenzene	8.962	168	124474	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.836	114	163542	50.00	ppb		0.00
66) chlorobenzene-d5	13.105	82	84702	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.672	152	102926	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.599	113	404947	399.77	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 799.54%#				
60) toluene-d8 (s)	11.640	98	1310805	398.07	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 796.14%#				
82) bromofluorobenzene (s)	14.334	95	620456	399.05	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 798.10%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.253	59	339979	4053.42	ppb		87
3) Ethanol	5.428	45	275477m	74848.43	ppb		
5) dichlorodifluoromethane	4.249	85	517732	384.69	ppb		98
6) chloromethane	4.487	50	608795	403.10	ppb		98
7) vinyl chloride	4.729	62	453294	422.00	ppb		98
8) bromomethane	5.220	96	247728	413.46	ppb		99
9) chloroethane	5.380	64	186856	420.22	ppb		99
10) ethyl ether	6.253	59	339979	440.46	ppb		93
11) acetonitrile	5.921	41	207395	493.03	ppb		98
12) trichlorofluoromethane	6.049	101	882128	407.08	ppb		98
13) freon-113	6.803	101	344013	418.25	ppb		85
14) acrolein	6.003	56	19199	3423.26	ppb		91
15) 1,1-dichloroethene	6.602	96	299781	413.96	ppb	#	76
16) acetone	6.142	58	49700	620.19	ppb	#	36
17) Methyl Acetate	6.779	43	594240	514.28	ppb		95
18) methylene chloride	6.751	84	336208	417.20	ppb	#	78
19) methyl tert butyl ether	7.538	73	1186169	421.21	ppb		96
20) acrylonitrile	6.648	53	161432	606.25	ppb		95
21) allyl chloride	6.843	41	705183	397.58	ppb		95
22) trans-1,2-dichloroethene	7.442	96	326237	408.87	ppb		89
23) iodomethane	6.661	142	634189	421.47	ppb		76
24) carbon disulfide	7.029	76	927157	416.48	ppb		100
25) propionitrile	8.066	54	49309	400.54	ppb		100
26) vinyl acetate	7.795	43	995129	425.79	ppb		97
27) chloroprene	8.063	53	927513	395.61	ppb		78
28) di-isopropyl ether	8.107	45	1563070	400.16	ppb		92
29) methacrylonitrile	8.218	41	311784	455.75	ppb		88
30) 2-butanone	8.106	72	52079	528.44	ppb	#	1
31) Ethyl Acetate	8.100	43	1494307	403.65	ug/L		92
32) Hexane	8.090	41	890674	390.02	ppb	#	81
33) 1,1-dichloroethane	7.697	63	744532	404.27	ppb		98
34) tert-butyl ethyl ether	8.505	59	1470301	417.34	ppb		95
35) isobutyl alcohol	8.517	43	306568	2043.03	ppb		96
36) 2,2-dichloropropane	8.560	77	410439	327.76	ppb		94

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17406.D
Acq On : 17 Jan 2014 4:04 pm
Operator : garyk
Sample : ic822-400
Misc : ms30913,msu822,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 20 09:15:47 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	8.271	96	365151	392.16	ppb		87
38) bromochloromethane	8.437	128	204954	403.89	ppb		89
39) chloroform	8.477	83	804305	400.71	ppb		98
41) Tetrahydrofuran	8.808	42	130041	412.07	ppb		100
42) 1,1,1-trichloroethane	9.233	97	763887	371.86	ppb		95
44) Cyclohexane	9.522	56	753391	395.07	ppb		96
45) carbon tetrachloride	9.600	117	807805	384.86	ppb		100
46) 1,1-dichloropropene	9.407	75	535699	409.85	ppb		99
47) benzene	9.633	78	1308854	407.32	ppb		100
48) 1,2-dichloroethane	9.132	62	886328	390.52	ppb		91
49) tert-amyl methyl ether	9.757	73	1085850	400.28	ppb		87
50) heptane	10.118	43	718865m	436.27	ppb		
51) trichloroethene	10.258	95	428126	384.27	ppb		92
52) 1,2-dichloropropane	10.224	63	375948	401.30	ppb		100
53) dibromomethane	10.197	93	277508	380.57	ppb		91
54) bromodichloromethane	10.312	83	661432	400.91	ppb		97
55) Methylcyclohexane	10.780	83	592315	403.48	ppb		92
56) 2-chloroethyl vinyl ether	10.690	63	33183	416.99	ppb		98
57) methyl methacrylate	10.406	69	223068	442.93	ppb	#	64
58) 1,4-dioxane	10.450	88	11149m	4632.47	ppb		
59) cis-1,3-dichloropropene	10.933	75	645598	418.63	ppb		96
61) 4-methyl-2-pentanone	11.026	43	486076	415.76	ppb		92
62) toluene	11.713	92	856642	413.04	ppb		100
63) trans-1,3-dichloropropene	11.355	75	641651	421.28	ppb		89
64) 1,1,2-trichloroethane	11.528	83	256811	412.46	ppb		94
65) ethyl methacrylate	11.732	69	436258	444.51	ppb		80
67) tetrachloroethene	12.457	166	478245	400.53	ppb		96
68) 1,3-dichloropropane	11.765	76	536553	419.04	ppb		93
69) dibromochloromethane	12.055	129	510529	414.47	ppb		99
70) 1,2-dibromoethane	12.307	107	366334	429.57	ppb		98
71) 2-hexanone	11.887	43	380531	416.64	ppb		97
72) chlorobenzene	13.139	112	1094886	420.81	ppb		97
73) 1,1,1,2-tetrachloroethane	13.058	131	472126	390.00	ppb		94
74) ethylbenzene	13.315	91	1826145	414.00	ppb		99
75) m,p-xylene	13.500	106	1430310	838.14	ppb		94
76) o-xylene	13.915	106	718938	409.23	ppb		91
77) styrene	13.840	104	1181917	421.38	ppb		87
78) bromoform	13.666	173	461904	430.61	ppb		98
79) trans-1,4-dichloro-2-b...	14.065	53	256625	442.77	ppb	#	58
81) isopropylbenzene	14.278	105	2021045	407.98	ppb		99
83) bromobenzene	14.565	156	620855	398.85	ppb	#	79
84) 1,1,2,2-tetrachloroethane	13.920	83	414796	428.91	ppb		94
85) 1,2,3-trichloropropane	14.066	75	584575	436.98	ppb		98
86) n-propylbenzene	14.724	91	2399145	411.42	ppb		96
87) 2-chlorotoluene	14.843	91	1524460	418.22	ppb		94
88) 4-chlorotoluene	14.918	91	1623062	422.78	ppb		97
89) 1,3,5-trimethylbenzene	15.002	105	1877006	409.81	ppb		97
90) tert-butylbenzene	15.308	91	1239084	411.67	ppb		92
91) 1,2,4-trimethylbenzene	15.412	105	1890678	412.30	ppb		95
92) sec-butylbenzene	15.532	105	2248542	400.01	ppb		94

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17406.D
Acq On : 17 Jan 2014 4:04 pm
Operator : garyk
Sample : ic822-400
Misc : ms30913,msu822,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 20 09:15:47 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration

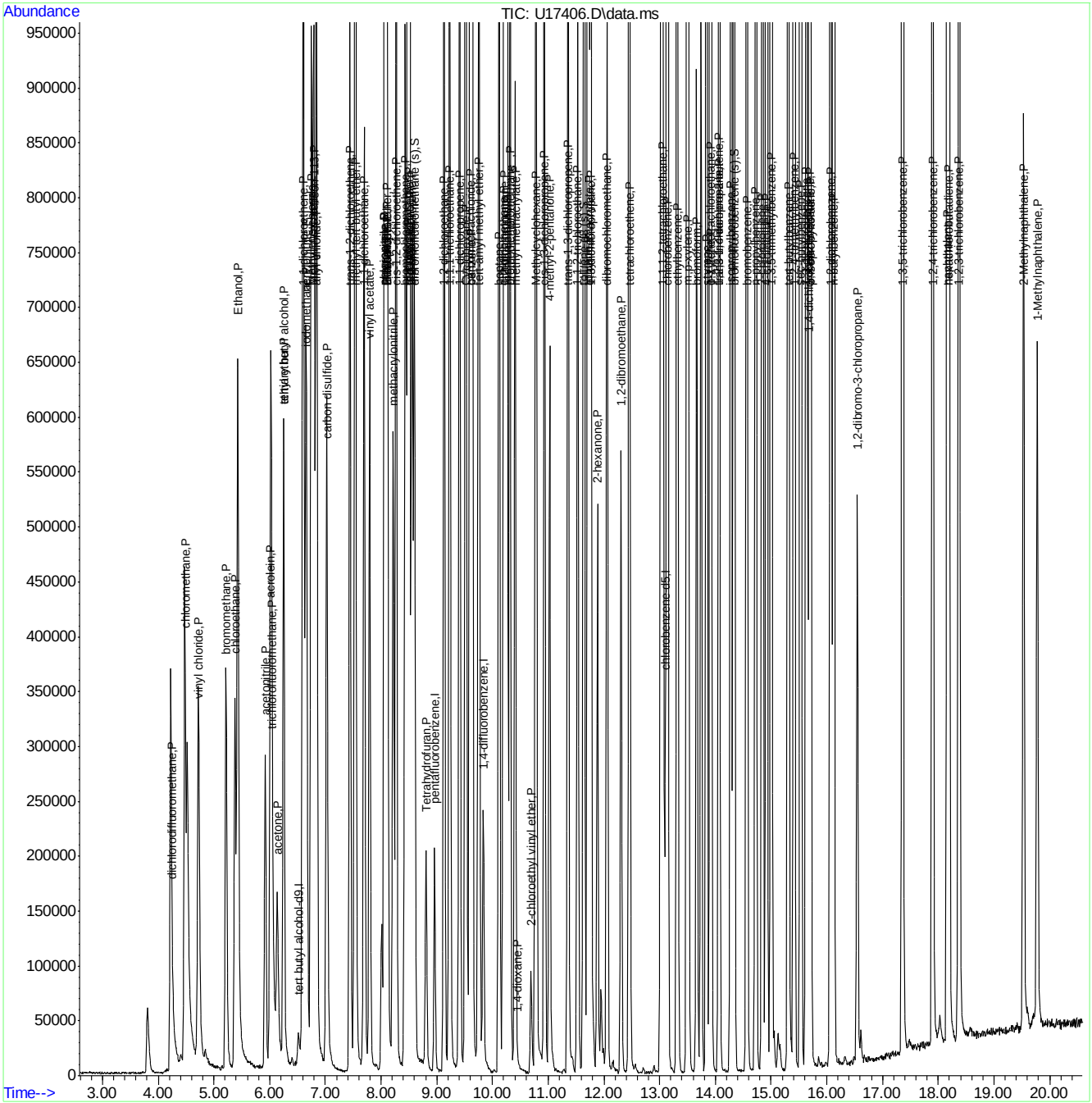
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,3-dichlorobenzene	15.634	146	1223404	411.62	ppb	98
94) p-isopropyltoluene	15.703	119	2029167	411.33	ppb	95
95) 1,4-dichlorobenzene	15.701	146	1226751	415.82	ppb	99
96) 1,2-dichlorobenzene	16.068	146	1204979	416.50	ppb	97
97) n-butylbenzene	16.121	91	1802176	407.02	ppb	91
98) 1,2-dibromo-3-chloropr...	16.549	75	142400	404.61	ppb	90
99) 1,3,5-trichlorobenzene	17.361	180	920137	401.36	ug/L	98
100) 1,2,4-trichlorobenzene	17.900	180	926718	421.15	ppb	99
101) hexachlorobutadiene	18.190	225	478539	388.85	ppb	95
102) naphthalene	18.166	128	1727000	417.29	ppb	100
103) 2-Methylnaphthalene	19.534	142	476045	262.97	ug/L	97
104) 1-Methylnaphthalene	19.779	142	349595	255.59	ug/L	97
105) 1,2,3-trichlorobenzene	18.374	180	835075	434.80	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17406.D
Acq On : 17 Jan 2014 4:04 pm
Operator : garyk
Sample : ic822-400
Misc : ms30913,msu822,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 20 09:15:47 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Jan 17 16:11:53 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES MC27769

Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
01/20/14 10:47

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17410.D
Acq On : 17 Jan 2014 5:52 pm
Operator : garyk
Sample : icv822-50
Misc : ms30913,msu822,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 20 09:53:36 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.536	65	31972	500.00	ppb		-0.08
4) pentafluorobenzene	8.964	168	113246	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.837	114	147428	50.00	ppb		0.00
66) chlorobenzene-d5	13.105	82	77924	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.672	152	90354	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.599	113	47001	49.27	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.54%				
60) toluene-d8 (s)	11.641	98	150017	45.93	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.86%				
82) bromofluorobenzene (s)	14.335	95	67692	48.81	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.62%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.257	59	40815	546.06	ppb		89
3) Ethanol	5.534	45	34191m	6398.20	ppb		
5) dichlorodifluoromethane	4.248	85	64876	52.95	ppb		100
6) chloromethane	4.488	50	77094	54.85	ppb		100
7) vinyl chloride	4.735	62	53625	53.30	ppb		98
8) bromomethane	5.219	96	29016	51.40	ppb		99
9) chloroethane	5.383	64	24711	60.35	ppb		92
10) ethyl ether	6.257	59	40815	53.95	ppb		91
11) acetonitrile	5.923	41	20094	48.44	ppb		96
12) trichlorofluoromethane	6.042	101	103475	52.73	ppb		97
13) freon-113	6.801	101	44341	53.96	ppb		78
14) acrolein	6.007	56	426m	75.50	ppb		
15) 1,1-dichloroethene	6.601	96	37482	52.44	ppb	#	71
16) acetone	6.147	58	6531	60.02	ppb	#	1
17) Methyl Acetate	6.783	43	47304m	35.14	ppb		
18) methylene chloride	6.751	84	40747	52.43	ppb	#	74
19) methyl tert butyl ether	7.538	73	134425	49.48	ppb		96
20) acrylonitrile	6.657	53	39408	114.62	ppb		94
21) allyl chloride	6.844	41	89691	52.90	ppb		90
22) trans-1,2-dichloroethene	7.443	96	43139	49.45	ppb		96
23) iodomethane	6.660	142	71938	48.32	ppb		73
24) carbon disulfide	7.029	76	111697	50.24	ppb		99
25) propionitrile	8.066	54	6312	55.34	ppb		100
26) vinyl acetate	7.802	43	110851	50.80	ppb		96
27) chloroprene	8.066	53	118548	52.21	ppb		75
28) di-isopropyl ether	8.107	45	186991	50.22	ppb		87
29) methacrylonitrile	8.224	41	37107	51.44	ppb		94
30) 2-butanone	8.116	72	7136	63.24	ppb	#	5
31) Ethyl Acetate	8.103	43	185562	50.29	ug/L		89
32) Hexane	8.091	41	105687	48.22	ppb		84
33) 1,1-dichloroethane	7.698	63	92859	52.17	ppb		94
34) tert-butyl ethyl ether	8.504	59	173499	51.97	ppb		88
35) isobutyl alcohol	8.516	43	37692	255.53	ppb		87
36) 2,2-dichloropropane	8.559	77	67263	55.08	ppb		97

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17410.D
Acq On : 17 Jan 2014 5:52 pm
Operator : garyk
Sample : icv822-50
Misc : ms30913,msu822,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 20 09:53:36 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.271	96	47267	51.27	ppb		91
38)	bromochloromethane	8.438	128	24764	52.30	ppb		88
39)	chloroform	8.478	83	97025	50.68	ppb		98
41)	Tetrahydrofuran	8.819	42	14577m	45.52	ppb		
42)	1,1,1-trichloroethane	9.233	97	97258	50.30	ppb		94
44)	Cyclohexane	9.520	56	84355	47.52	ppb		96
45)	carbon tetrachloride	9.599	117	98614	51.61	ppb		98
46)	1,1-dichloropropene	9.409	75	64159	51.28	ppb		99
47)	benzene	9.634	78	156989	51.05	ppb		100
48)	1,2-dichloroethane	9.133	62	107186	49.24	ppb		92
49)	tert-amyl methyl ether	9.759	73	126215	50.07	ppb		84
50)	heptane	10.118	43	81419	49.13	ppb	#	59
51)	trichloroethene	10.258	95	53305	52.21	ppb		96
52)	1,2-dichloropropane	10.224	63	42281	49.38	ppb		98
53)	dibromomethane	10.198	93	32496	49.04	ppb	#	77
54)	bromodichloromethane	10.312	83	77965	51.12	ppb		98
55)	Methylcyclohexane	10.778	83	69916	49.83	ppb		94
56)	2-chloroethyl vinyl ether	10.692	63	26872	358.44	ppb		95
57)	methyl methacrylate	10.414	69	23260	49.36	ppb		79
58)	1,4-dioxane	10.439	88	929m	267.90	ppb		
59)	cis-1,3-dichloropropene	10.935	75	72777	53.18	ppb		98
61)	4-methyl-2-pentanone	11.039	43	55645	50.84	ppb		91
62)	toluene	11.715	92	102224	52.45	ppb		91
63)	trans-1,3-dichloropropene	11.357	75	75574	51.70	ppb		90
64)	1,1,2-trichloroethane	11.529	83	29606	51.66	ppb		94
65)	ethyl methacrylate	11.738	69	49304	53.09	ppb		79
67)	tetrachloroethene	12.458	166	58482	49.79	ppb		98
68)	1,3-dichloropropane	11.766	76	60868	49.89	ppb		93
69)	dibromochloromethane	12.057	129	58858	50.41	ppb		90
70)	1,2-dibromoethane	12.308	107	42137	50.92	ppb		97
71)	2-hexanone	11.903	43	58843	62.28	ppb		100
72)	chlorobenzene	13.140	112	123002	47.46	ppb		96
73)	1,1,1,2-tetrachloroethane	13.059	131	59271	53.19	ppb		94
74)	ethylbenzene	13.317	91	214506	49.81	ppb		99
75)	m,p-xylene	13.501	106	163515	101.19	ppb		97
76)	o-xylene	13.914	106	82920	50.10	ppb		86
77)	styrene	13.842	104	135176	50.85	ppb		87
78)	bromoform	13.667	173	50561	50.58	ppb		93
79)	trans-1,4-dichloro-2-b...	14.068	53	25297	48.02	ppb	#	68
81)	isopropylbenzene	14.279	105	233024	50.35	ppb		100
83)	bromobenzene	14.566	156	69717	49.28	ppb	#	82
84)	1,1,2,2-tetrachloroethane	13.920	83	45354	50.58	ppb		93
85)	1,2,3-trichloropropane	14.068	75	63956	50.92	ppb		99
86)	n-propylbenzene	14.725	91	260206	47.63	ppb		97
87)	2-chlorotoluene	14.843	91	167231	48.82	ppb		91
88)	4-chlorotoluene	14.919	91	179931	49.83	ppb		91
89)	1,3,5-trimethylbenzene	15.003	105	214331	50.50	ppb		98
90)	tert-butylbenzene	15.308	91	138102	48.83	ppb		90
91)	1,2,4-trimethylbenzene	15.412	105	212326	49.79	ppb		97
92)	sec-butylbenzene	15.531	105	262132	50.30	ppb		92

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17410.D
Acq On : 17 Jan 2014 5:52 pm
Operator : garyk
Sample : icv822-50
Misc : ms30913,msu822,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 20 09:53:36 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93)	1,3-dichlorobenzene	15.633	146	139995	50.69	ppb		93
94)	p-isopropyltoluene	15.704	119	239132	52.21	ppb		96
95)	1,4-dichlorobenzene	15.700	146	140232	49.84	ppb		97
96)	1,2-dichlorobenzene	16.069	146	135207	49.95	ppb		97
97)	n-butylbenzene	16.124	91	217052	52.84	ppb		92
98)	1,2-dibromo-3-chloropr...	16.555	75	16391	50.10	ppb	#	79
99)	1,3,5-trichlorobenzene	17.363	180	117971	55.65	ug/L		98
100)	1,2,4-trichlorobenzene	17.902	180	115127	57.25	ppb		100
101)	hexachlorobutadiene	18.191	225	66072	54.56	ppb		91
102)	naphthalene	18.169	128	211990	56.26	ppb		100
103)	2-Methylnaphthalene	19.538	142	56370	32.64	ug/L		98
104)	1-Methylnaphthalene	19.784	142	45844	34.77	ug/L		96
105)	1,2,3-trichlorobenzene	18.374	180	102208	56.84	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

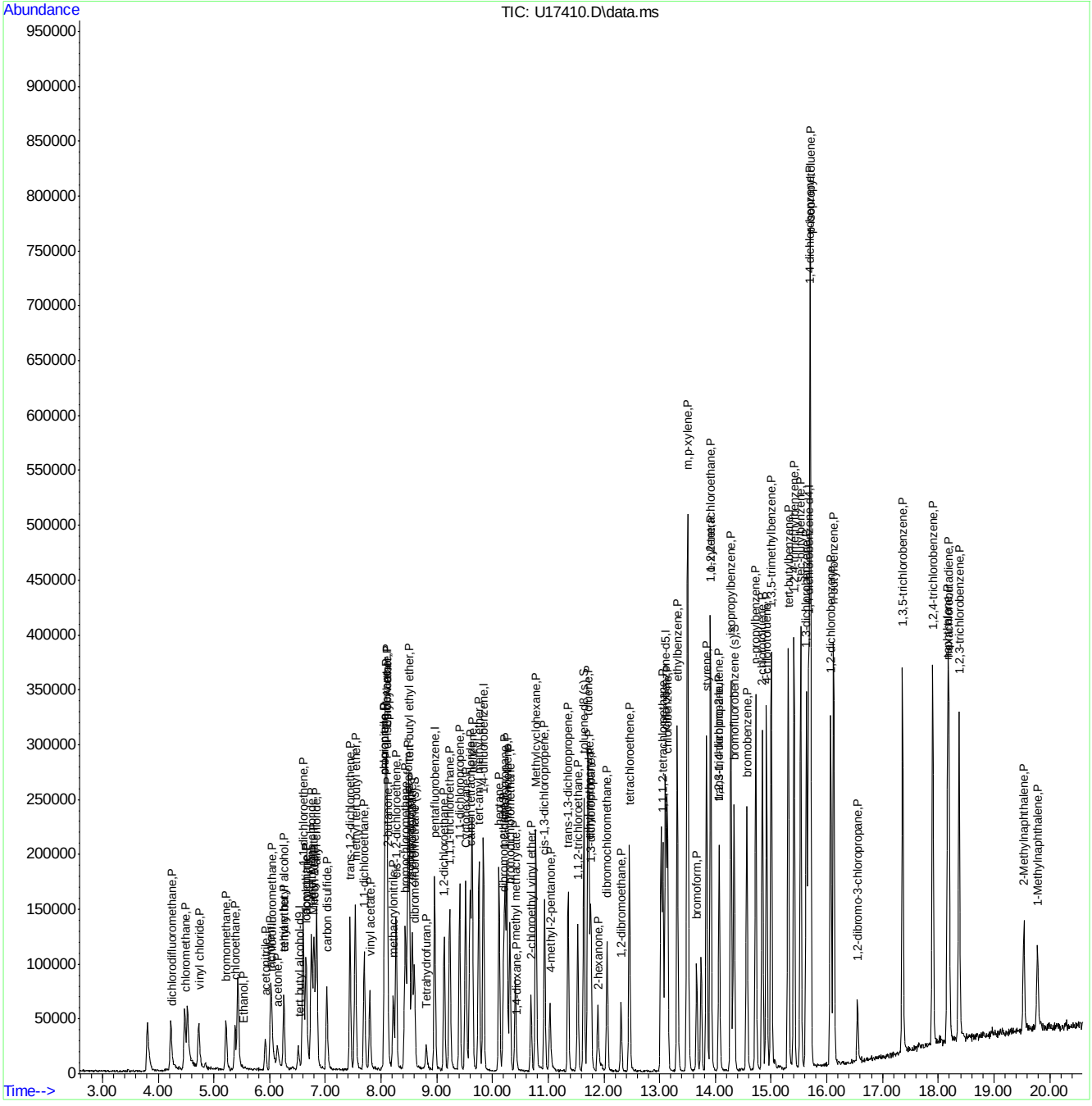
7.6.11

7

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140117\
Data File : U17410.D
Acq On : 17 Jan 2014 5:52 pm
Operator : garyk
Sample : icv822-50
Misc : ms30913,msu822,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 20 09:53:36 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Tomasz Torski
01/22/14 09:42

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17442.D
Acq On : 21 Jan 2014 8:34 am
Operator : garyk
Sample : cc822-50
Misc : ms30990,msu825,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 22 09:24:57 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.526	65	40088m	500.00	ppb		-0.09
4) pentafluorobenzene	8.962	168	117937	50.00	ppb		0.00
43) 1,4-difluorobenzene	9.836	114	157695	50.00	ppb		0.00
66) chlorobenzene-d5	13.104	82	82548	50.00	ppb		0.00
80) 1,4-dichlorobenzene-d4	15.671	152	96642	50.00	ppb		0.00
System Monitoring Compounds							
40) dibromofluoromethane (s)	8.597	113	54368	54.72	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.44%				
60) toluene-d8 (s)	11.641	98	175692	50.29	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.58%				
82) bromofluorobenzene (s)	14.334	95	75394	50.83	ppb		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.66%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	6.255	59	40823	435.60	ppb		92
3) Ethanol	5.541	45	36888m	5517.88	ppb		
5) dichlorodifluoromethane	4.248	85	68154	53.41	ppb		95
6) chloromethane	4.485	50	79366	54.22	ppb		95
7) vinyl chloride	4.732	62	56446	53.88	ppb		97
8) bromomethane	5.219	96	31277	53.20	ppb		97
9) chloroethane	5.382	64	22703	53.24	ppb		91
10) ethyl ether	6.255	59	40823	51.81	ppb		92
11) acetonitrile	5.923	41	23013	53.27	ppb		92
12) trichlorofluoromethane	6.046	101	110827	54.23	ppb		88
13) freon-113	6.800	101	45057	52.65	ppb		90
14) acrolein	6.007	56	2144m	380.89	ppb		
15) 1,1-dichloroethene	6.600	96	38112	51.20	ppb	#	62
16) acetone	6.138	58	7499m	65.85	ppb		
17) Methyl Acetate	6.783	43	76235m	54.38	ppb		
18) methylene chloride	6.751	84	43726	54.03	ppb	#	74
19) methyl tert butyl ether	7.536	73	147484	52.13	ppb		99
20) acrylonitrile	6.656	53	20759	57.97	ppb		80
21) allyl chloride	6.842	41	89758	50.84	ppb		93
22) trans-1,2-dichloroethene	7.442	96	41341	45.50	ppb		85
23) iodomethane	6.661	142	80103	51.66	ppb		77
24) carbon disulfide	7.030	76	124380	53.72	ppb		98
25) propionitrile	8.066	54	6174	51.98	ppb		100
26) vinyl acetate	7.799	43	119692	52.67	ppb		98
27) chloroprene	8.065	53	117544	49.71	ppb		77
28) di-isopropyl ether	8.105	45	199149	51.36	ppb		86
29) methacrylonitrile	8.223	41	40322m	53.68	ppb		
30) 2-butanone	8.110	72	7409m	63.04	ppb		
31) Ethyl Acetate	8.101	43	203011	52.83	ug/L		87
32) Hexane	8.089	41	115803	50.73	ppb	#	77
33) 1,1-dichloroethane	7.697	63	94086	50.76	ppb		99
34) tert-butyl ethyl ether	8.504	59	185005	53.21	ppb		95
35) isobutyl alcohol	8.511	43	35658	232.12	ppb		97
36) 2,2-dichloropropane	8.558	77	68192	53.62	ppb		93

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17442.D
Acq On : 21 Jan 2014 8:34 am
Operator : garyk
Sample : cc822-50
Misc : ms30990,msu825,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 22 09:24:57 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	cis-1,2-dichloroethene	8.270	96	48441	50.45	ppb		91
38)	bromochloromethane	8.436	128	25108	50.92	ppb		96
39)	chloroform	8.476	83	103237	51.78	ppb		99
41)	Tetrahydrofuran	8.814	42	17394	52.15	ppb		77
42)	1,1,1-trichloroethane	9.231	97	102395	50.85	ppb		92
44)	Cyclohexane	9.517	56	98401	51.82	ppb		94
45)	carbon tetrachloride	9.597	117	102330	50.06	ppb		95
46)	1,1-dichloropropene	9.408	75	67759	50.63	ppb		96
47)	benzene	9.633	78	165586	50.33	ppb		98
48)	1,2-dichloroethane	9.132	62	109227	46.91	ppb		92
49)	tert-amyl methyl ether	9.754	73	135075	50.09	ppb		88
50)	heptane	10.117	43	94985	53.58	ppb	#	58
51)	trichloroethene	10.256	95	55546m	50.87	ppb		
52)	1,2-dichloropropane	10.223	63	47080	51.40	ppb		100
53)	dibromomethane	10.198	93	36336	51.27	ppb		97
54)	bromodichloromethane	10.312	83	80907	49.60	ppb		90
55)	Methylcyclohexane	10.777	83	78607	52.38	ppb		89
56)	2-chloroethyl vinyl ether	10.698	63	3092	41.34	ppb	#	49
57)	methyl methacrylate	10.413	69	25147	49.89	ppb	#	64
58)	1,4-dioxane	10.429	88	881m	247.88	ppb		
59)	cis-1,3-dichloropropene	10.935	75	78819	53.84	ppb		88
61)	4-methyl-2-pentanone	11.038	43	63244	54.02	ppb		91
62)	toluene	11.713	92	104464	50.11	ppb		100
63)	trans-1,3-dichloropropene	11.356	75	74477	47.64	ppb		93
64)	1,1,2-trichloroethane	11.528	83	30086	49.08	ppb		91
65)	ethyl methacrylate	11.738	69	51057	51.40	ppb		76
67)	tetrachloroethene	12.457	166	61193	49.18	ppb		92
68)	1,3-dichloropropane	11.765	76	64176	49.66	ppb		92
69)	dibromochloromethane	12.056	129	59675	48.25	ppb		100
70)	1,2-dibromoethane	12.308	107	43271	49.36	ppb		94
71)	2-hexanone	11.893	43	58674m	58.62	ppb		
72)	chlorobenzene	13.139	112	134534	49.00	ppb		97
73)	1,1,1,2-tetrachloroethane	13.059	131	58641	49.68	ppb		90
74)	ethylbenzene	13.316	91	219836	48.19	ppb		99
75)	m,p-xylene	13.501	106	168771	98.60	ppb		93
76)	o-xylene	13.914	106	86719	49.46	ppb		100
77)	styrene	13.841	104	133079	47.26	ppb		85
78)	bromoform	13.667	173	51915	49.02	ppb		100
79)	trans-1,4-dichloro-2-b...	14.068	53	24353	43.64	ppb	#	65
81)	isopropylbenzene	14.278	105	245623	49.62	ppb		96
83)	bromobenzene	14.565	156	72884	48.17	ppb	#	81
84)	1,1,2,2-tetrachloroethane	13.919	83	48686	50.77	ppb		93
85)	1,2,3-trichloropropane	14.068	75	63845	47.53	ppb		93
86)	n-propylbenzene	14.725	91	285364	48.84	ppb		96
87)	2-chlorotoluene	14.842	91	177969	48.58	ppb		88
88)	4-chlorotoluene	14.919	91	185668	48.07	ppb		99
89)	1,3,5-trimethylbenzene	15.002	105	221923	48.89	ppb		100
90)	tert-butylbenzene	15.307	91	149821	49.53	ppb		93
91)	1,2,4-trimethylbenzene	15.411	105	221936	48.65	ppb		99
92)	sec-butylbenzene	15.531	105	280032	50.23	ppb		97

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17442.D
Acq On : 21 Jan 2014 8:34 am
Operator : garyk
Sample : cc822-50
Misc : ms30990,msu825,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 22 09:24:57 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration

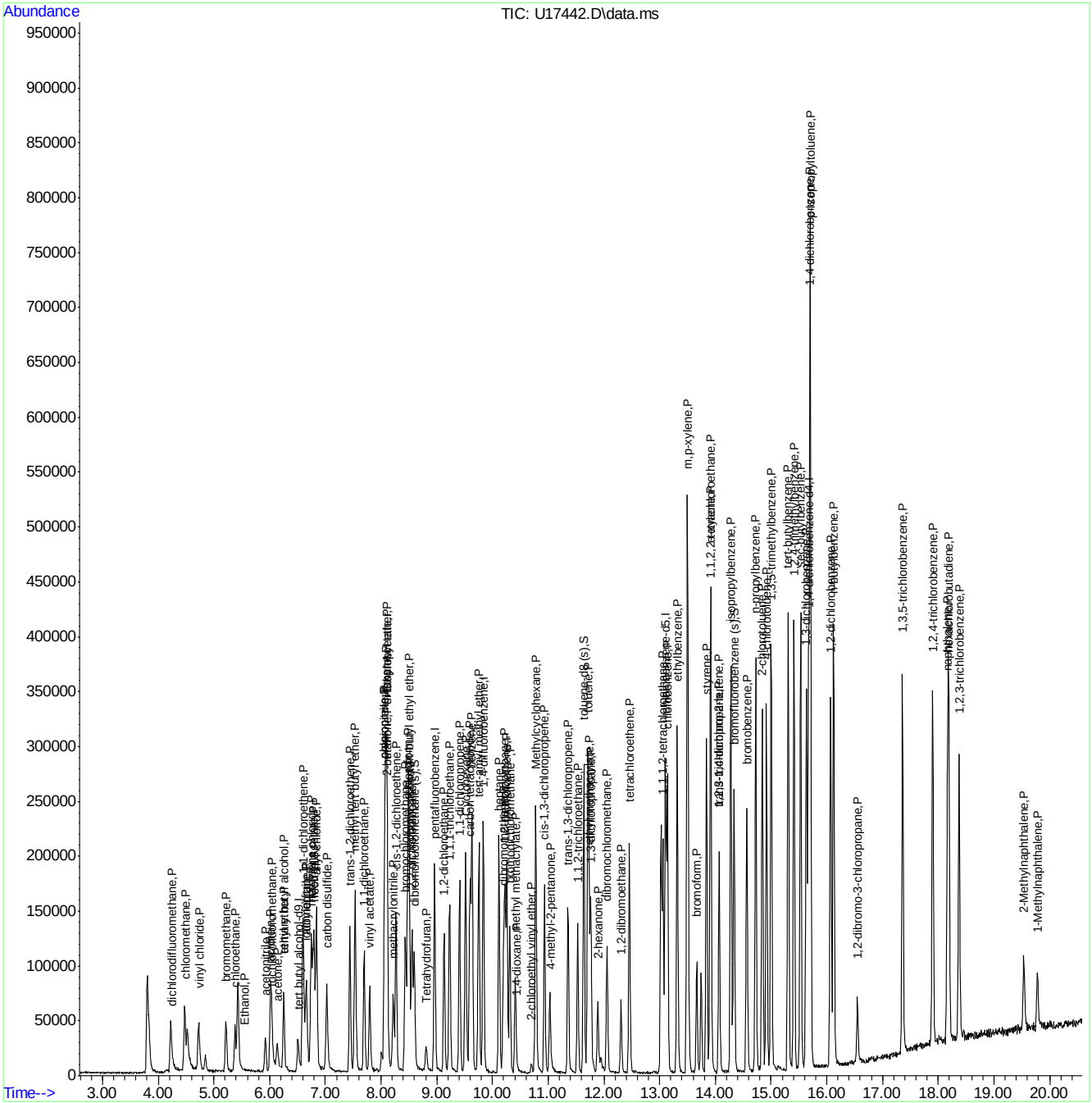
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	1,3-dichlorobenzene	15.632	146	142944	48.39	ppb	98
94)	p-isopropyltoluene	15.704	119	245152	50.05	ppb	98
95)	1,4-dichlorobenzene	15.699	146	146134	48.56	ppb	98
96)	1,2-dichlorobenzene	16.069	146	145599	50.29	ppb	94
97)	n-butylbenzene	16.123	91	225059	51.22	ppb	91
98)	1,2-dibromo-3-chloropr...	16.551	75	17012	48.61	ppb	90
99)	1,3,5-trichlorobenzene	17.362	180	113116	49.89	ug/L	94
100)	1,2,4-trichlorobenzene	17.902	180	110134	51.20	ppb	97
101)	hexachlorobutadiene	18.191	225	67757	52.31	ppb	95
102)	naphthalene	18.168	128	199612	49.53	ppb	100
103)	2-Methylnaphthalene	19.539	142	39485	21.37	ug/L	97
104)	1-Methylnaphthalene	19.784	142	29858	21.17	ug/L	95
105)	1,2,3-trichlorobenzene	18.375	180	91108	47.37	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\U140121\
Data File : U17442.D
Acq On : 21 Jan 2014 8:34 am
Operator : garyk
Sample : cc822-50
Misc : ms30990,msu825,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 22 09:24:57 2014
Quant Method : D:\msdchem\1\methods\U140117W.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Jan 20 09:19:28 2014
Response via : Initial Calibration



Accutest Laboratories of New England, Inc. **Instrument: GCMS U**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9560	8260 ISS	250ug/L
9524	SS	200ug/L
9522	cal	
9523	cal gps	
9538	BS	
9526	BS gps	

Daily Saved File 1-20-14

Tune file 1:	U173964
Tune file 2:	—
Initial Cal:	1-17-14
ID File:	U140117w.M
ICAL Verified:	U17410
Sequence verified:	JB

Date: 1-17-14

Batch ID: MSU822

Analysts GK

Signature: Gary Kwasinski

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
U17394	blk	—	MS30913	8260curve	1	W	5ml	NA	1X	NA	✓ 10:32am
95	↓	↓			2						✓
96	BFB Tune	↓			3						✓
97	ic822-0.5	3,3			4						✓
98	-1				5						✓
99	-2				6						✓
400	-5				7						✓
01	-10				8						✓
02	-25				9						✓
03	icc -50				10						✓
04	-100				11						✓
05	-200				12						✓
06	-400	↓			13						✓
07	blk	—			14						✓
08	↓	↓			15						✓
09	ICV822-50	3,3			16						✓
10	↓	↓	↓	↓	17	↓	↓	↓	↓	↓	✓ 5:52pm

GK 1-17-14

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

Review:_____

Accutest Laboratories of New England, Inc. **Instrument: GCMS U**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS9539	8260 35/55	25ug/ml
9522	cal	20ug/ml
9523	calgas	
9538	bs	
9526	bsgas	

Daily Saved File

Tune file 1:	U17441
Tune file 2:	
Initial Cal:	1-17-14
ID File:	U140117w.m
ICAL Verified:	U17410
Sequence verified:	MB

Date: 1-21-14

Batch ID: MSU825

Analysts GK

Signature:

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
U17441	BFB tune	—	MS30992	8260	1	W	5ml	NA	1X	NA	✓ 8:08AM
42	cc822-60	3,3			2						✓
43	bs	↓			3						✓
44	bsd	↓			4						✓
45	blk	—			5						✓
46	MB	↓			6					↓	✓
47	mc27769-13	1	↓	SLT	7					<2	✓
48	mc27696-2	2/3	MS30990	BTXM	8						✓
49	↓ 4	3	↓	↓	9						✓
50	↓ 5	1			10						✓
51	mc27680-1	3	MS30992	SLT+ethl	11						✓
52	mc27769-1	4		SLT	12						✓
53	↓ 2	3			13						✓
54	↓ 3	5		↓	14						✓
55	ms27696-5	MS 3		BTXM	15				5X		✓
56	↓ 5	MSD ↓	↓	↓	16				↓		✓
57	mc27753-13	rr 4	MS30990	RCP	17				25X		✓
58	mc27696-1	rr 3	↓	BTXM	18				50X		✓
59	mc27769-4	4	MS30992	SLT+ethl	19				1X		✓
60	↓ 5	3	↓	↓	20				↓		✓
61	↓ 6	↓			21						✓
62	↓ 7				22						✓
63	↓ 8	↓			23						✓
64	↓ 9	5			24						✓
65	↓ 10	4			25						✓
66	↓ 11	3			26						✓
67	↓ 12	4	↓	↓	27					↓	✓ 7:57pm
68	blk	—	—	—	28					—	✓
69	↓	↓	↓	↓	29					↓	✓
70	↓	↓	↓	↓	30	↓	↓	↓	↓	↓	✓

MTX = Matrix: Designate W for water, S for soil, O for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review:

Accutest Laboratories of New England, Inc. **Instrument: GCMS U**

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

Lot #	Description	Conc
MS 9539	8260 35/55	250ug/ml
9522	cal	200ug/ml
9523	cal gas	
9538	bs	
9526	bs gas	

Daily Saved File

Tune file 1:	U17441
Tune file 2:	—
Initial Cal:	1-17-14
ID File:	U140117w.m
ICAL Verified:	U17416
Sequence verified:	

Date: 1-21-14 pg 2

Batch ID: MSU825

Analysts GK

Signature:

*Note: If sample matrix is soil – method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

pH paper LOT#202513 exp: 1/15/2016

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% Sol	Dil. Fact.	pH	Comments
U17471	MC27534-6	3,3	MS30992	MDL3	31	W	5ml	NA	1X	NA	1ppb
72	4				32						
73	6				33						
74	6				34						
75	6				35						
76	6				36						
77	6				37						
78	6				38						
79	13				39						5 ppb
80	13				40						
81	13				41						
82	13				42						
83	13				43						
84	13				44						
85	13				45						
86	13				46						

GK 1-22-14

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.
Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-05 Date: 07/22/13

Review:

17

7.7.2

7

ACCUTEST LABORATORIES MC27769

New England ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2012114W1.PRN Date Analyzed: 01/21/14 Methods: SW846 7470A
Analyst: SA Run ID: MA16671
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:18	MA16671-STD1	1		STD01REP1
11:21	MA16671-STD2	1		STD02REP1
11:24	MA16671-STD3	1		STD03REP1
11:28	MA16671-STD4	1		STD04REP1
11:31	MA16671-STD5	1		STD05REP1
11:33	MA16671-STD6	1		STD06REP1
11:36	MA16671-STD7	1		STD07REP1
11:38	MA16671-STD8	1		STD08REP1
11:41	MA16671-STD9	1		STD09REP1
11:43	MA16671-ICV1	1		
11:46	MA16671-ICB1	1		
11:49	MA16671-CCV1	1		
11:52	MA16671-CCB1	1		
11:54	MA16671-CRI1	1		
11:57	MP22400-MB1	1		
12:00	MP22400-B1	1		
12:02	MP22400-B2	1		
12:05	MP22400-S1	1		
12:07	MP22400-S2	1		
12:10	MC27769-1	1		
12:12	ZZZZZZ	1		
12:14	ZZZZZZ	1		
12:17	ZZZZZZ	1		
12:19	MA16671-CCV2	1		
12:22	MA16671-CCB2	1		
12:25	ZZZZZZ	1		
12:27	MC27769-6	1		
12:30	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:35	ZZZZZZ	1		
12:37	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:42	MC27769-2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2012114W1.PRN Date Analyzed: 01/21/14 Methods: SW846 7470A
Analyst: SA Run ID: MA16671
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:45	MC27769-3	1		
12:48	MC27769-4	1		
12:51	MA16671-CCV3	1		
12:53	MA16671-CCB3	1		
12:55	MC27769-7	1		
12:58	MC27769-8	1		
13:00	MC27769-9	1		
13:03	MC27769-10	1		
13:05	MC27769-11	1		
13:08	MC27769-12	1		
---------->	Last reportable sample/prep for job MC27769			
13:11	MA16671-CRI2	1		
13:13	MA16671-CCV4	1		
13:16	MA16671-CCB4	1		
---------->	Last reportable CCB for job MC27769			
	Refer to raw data for calibration curve and standards.			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2012114W1.PRN Date Analyzed: 01/21/14 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA16671 Units: ug/l

Time: / Sample ID:			11:46 ICB1		11:52 CCB1		12:22 CCB2		12:53 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.018	-0.030	<0.20	-0.033	<0.20	-0.029	<0.20	-0.061	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2012114W1.PRN Date Analyzed: 01/21/14 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA16671 Units: ug/l

Time:			13:16	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Mercury	0.20	.018	-0.049	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

8.1.1
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2012114W1.PRN Date Analyzed: 01/21/14 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA16671 Units: ug/l

Time:		11:43			11:49			12:19	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	4	3.9	97.5	3.0	3.0	100.0	3.0	3.0	100.0

(*) Outside of QC limits
(anr) Analyte not requested

8.1.2
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2012114W1.PRN Date Analyzed: 01/21/14 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA16671 Units: ug/l

Time:		12:51			13:13	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	3.0	3.0	100.0	3.0	3.0	100.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: H2012114W1.PRN Date Analyzed: 01/21/14 Methods: SW846 7470A
QC Limits: 70 to 130 % Recovery Run ID: MA16671 Units: ug/l

Time:			11:54		13:11	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.17	85.0	0.17	85.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16678
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:30	MA16678-STD1	1		STD1
14:35	MA16678-STD2	1		STD2
14:40	MA16678-STD3	1		STD3
14:44	MA16678-STD4	1		STD4
15:08	MA16678-ICV1	1		
15:14	MA16678-ICB1	1		
15:19	MA16678-CCV1	1		
15:24	MA16678-CCB1	1		
15:29	ZZZZZZ	1		DNR: SEE RERUN FOR CRI.
15:34	MA16678-CRI1	1		
15:39	MA16678-ICSA1	1		
15:44	MA16678-ICSAB1	1		
15:49	MP22403-B1	1		
15:54	MP22403-MB1	1		
15:59	MP22403-S1	1		
16:03	MP22403-S2	1		
16:08	MC27769-2	1		
16:13	MP22403-SD1	5		
16:18	MA16678-CCV2	1		
16:23	MA16678-CCB2	1		
16:28	MP22403-B2	1		
16:33	ZZZZZZ	1		
16:38	ZZZZZZ	1		
16:43	ZZZZZZ	1		
16:48	ZZZZZZ	1		
16:53	ZZZZZZ	1		
16:58	ZZZZZZ	1		
17:02	ZZZZZZ	1		
17:07	ZZZZZZ	1		
17:12	ZZZZZZ	1		
17:17	MA16678-CCV3	1		
17:22	MA16678-CCB3	1		
17:27	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16678
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	17:32	ZZZZZZ	1		
	17:37	ZZZZZZ	1		
	17:42	ZZZZZZ	1		
	17:47	ZZZZZZ	1		
	17:52	ZZZZZZ	1		
	17:57	ZZZZZZ	1		
	18:02	ZZZZZZ	1		
	18:07	MC27769-1	1		
	18:12	MC27769-3	1		
---------->		Last reportable sample/prep for job MC27769			
	18:17	MA16678-CCV4	1		
	18:22	MA16678-CCB4	1		
	18:27	MA16678-CRI2	1		
	18:32	MA16678-CRIA1	1		
	18:36	MP22401-B1	1		
	18:41	MP22401-MB1	1		
	18:46	MP22401-S1	1		
	18:51	MP22401-S2	1		
	18:56	MC27753-7	1		(sample used for QC only; not part of login MC27769)
	19:01	MP22401-SD1	5		
	19:05	MP22401-B2	1		
	19:10	MP22401-LC1	1		
	19:15	MA16678-CCV5	1		
	19:20	MA16678-CCB5	1		
	19:25	MP22401-S3	1		
	19:30	MP22401-S4	1		
	19:34	MC27748-1	1		(sample used for QC only; not part of login MC27769)
	19:39	ZZZZZZ	1		
	19:44	ZZZZZZ	1		
	19:49	ZZZZZZ	1		
	19:54	ZZZZZZ	1		
	19:59	ZZZZZZ	1		
	20:04	ZZZZZZ	1		
	20:09	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16678
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:14	MA16678-CCV6	1		
20:19	MA16678-CCB6	1		
20:24	ZZZZZZ	1		
20:29	ZZZZZZ	1		
20:33	ZZZZZZ	1		
20:38	ZZZZZZ	1		
20:43	ZZZZZZ	1		
20:48	ZZZZZZ	1		
20:53	ZZZZZZ	1		
20:57	ZZZZZZ	1		
21:02	ZZZZZZ	1		
21:07	ZZZZZZ	1		
21:12	MA16678-CCV7	1		
21:17	MA16678-CCB7	1		
21:22	ZZZZZZ	1		
21:27	MP22389-B1	1		
21:31	MP22389-MB1	1		
21:36	MP22389-S1	1		
21:41	MP22389-S2	1		
21:46	MC27670-1	1		(sample used for QC only; not part of login MC27769)
21:51	MP22389-SD1	5		
21:56	MP22389-LC1	1		
22:00	ZZZZZZ	1		
22:06	MA16678-CCV8	1		
22:10	MA16678-CCB8	1		
22:15	MA16678-CRIA2	1		
22:20	MA16678-ICSA2	1		
22:25	MA16678-ICSAB2	1		
22:30	MA16678-CCV9	1		
22:35	MA16678-CCB9	1		
---------->	Last reportable CCB for job MC27769			
22:40	MA16678-CRIB1	1		
22:45	MP22404-B1	1		
22:50	MP22404-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16678
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:55	MP22404-S1	1		
23:00	MP22404-S2	1		
23:05	MC27753-12A	1		(sample used for QC only; not part of login MC27769)
23:10	MP22404-SD1	5		
23:15	MP22404-B2	1		
23:20	MP22404-LB1	1		
23:25	ZZZZZZ	1		
23:29	MA16678-CCV10	1		
23:34	MA16678-CCB10	1		
23:39	ZZZZZZ	1		
23:44	ZZZZZZ	1		
23:49	ZZZZZZ	1		
23:54	ZZZZZZ	1		
23:59	ZZZZZZ	1		
00:04	ZZZZZZ	1		
00:09	ZZZZZZ	1		
00:14	ZZZZZZ	1		
00:19	ZZZZZZ	1		
00:24	ZZZZZZ	1		
00:29	MA16678-CCV11	1		
00:34	MA16678-CCB11	1		
00:39	ZZZZZZ	1		
00:44	ZZZZZZ	1		
00:49	ZZZZZZ	1		
00:54	ZZZZZZ	1		
00:59	ZZZZZZ	1		
01:04	MP22395-B1	1		
01:09	MP22395-MB1	1		
01:14	MP22395-S1	1		
01:19	MP22395-S2	1		
01:24	MC27709-1A	1		(sample used for QC only; not part of login MC27769)
01:28	MA16678-CCV12	1		
01:33	MA16678-CCB12	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16678
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:38	MP22395-SD1	5		
01:43	MP22395-B2	1		
01:48	MP22395-LB1	1		
01:53	ZZZZZZ	1		
01:58	ZZZZZZ	1		
02:03	ZZZZZZ	1		
02:08	ZZZZZZ	1		
02:13	ZZZZZZ	1		
02:18	ZZZZZZ	1		
02:22	ZZZZZZ	1		
02:27	MA16678-CCV13	1		
02:32	MA16678-CCB13	1		
02:37	ZZZZZZ	1		
02:42	ZZZZZZ	1		
02:47	MA16678-CRIB2	1		
02:52	MA16678-ICSA3	1		
02:57	MA16678-ICSAB3	1		
03:02	MA16678-CCV14	1		
03:07	MA16678-CCB14	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16678
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
14:30	MA16678-STD1	1284 R	50357 R	17701 R
14:35	MA16678-STD2	1273	49950	17724
14:40	MA16678-STD3			17934
14:44	MA16678-STD4	1290	50005	17776
15:08	MA16678-ICV1	1287	50179	17973
15:14	MA16678-ICB1	1299	51042	17883
15:19	MA16678-CCV1	1295	50634	17996
15:24	MA16678-CCB1	1298	50601	17932
15:29	ZZZZZZ	1296	50272	17911
15:34	MA16678-CRI1	1299	50458	17927
15:39	MA16678-ICSA1	1187	46534	17684
15:44	MA16678-ICSAB1	1178	46646	17542
15:49	MP22403-B1	1284	49813	17830
15:54	MP22403-MB1	1287	50569	18025
15:59	MP22403-S1	1217	48972	17468
16:03	MP22403-S2	1215	48884	17453
16:08	MC27769-2	1214	49273	17526
16:13	MP22403-SD1	1284	50772	17899
16:18	MA16678-CCV2	1294	50781	18065
16:23	MA16678-CCB2	1294	50869	17831
16:28	MP22403-B2	1267	50443	17955
16:33	ZZZZZZ	1111	49504	18011
16:38	ZZZZZZ	1269	50000	18093
16:43	ZZZZZZ	1270	50156	18067
16:48	ZZZZZZ	1207	48508	17642
16:53	ZZZZZZ	1260	50016	18110
16:58	ZZZZZZ	1269	50496	18016
17:02	ZZZZZZ	1266	50278	17983
17:07	ZZZZZZ	1265	50646	18088
17:12	ZZZZZZ	1246	50626	17909
17:17	MA16678-CCV3	1286	51435	18080
17:22	MA16678-CCB3	1286	51517	17961
17:27	ZZZZZZ	1267	51273	18097

INTERNAL STANDARD SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16678
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
17:32	ZZZZZZ	1194	49742	17420
17:37	ZZZZZZ	1265	51080	18086
17:42	ZZZZZZ	1235	50164	17814
17:47	ZZZZZZ	1258	50798	17951
17:52	ZZZZZZ	1253	50431	17843
17:57	ZZZZZZ	1260	50538	18028
18:02	ZZZZZZ	1267	50663	18037
18:07	MC27769-1	1214	49530	17547
18:12	MC27769-3	1221	49967	17827
18:17	MA16678-CCV4	1289	50848	18162
18:22	MA16678-CCB4	1294	51001	18011
18:27	MA16678-CRI2	1287	51301	18027
18:32	MA16678-CRIA1	1281	51125	18086
18:36	MP22401-B1	1258	50705	17843
18:41	MP22401-MB1	1270	51203	18019
18:46	MP22401-S1	1315	52753	18995
18:51	MP22401-S2	1325	53248	17678
18:56	MC27753-7	1350	53574	18918
19:01	MP22401-SD1	1315	51835	18239
19:05	MP22401-B2	1267	49104	18004
19:10	MP22401-LC1	1374	54929	19546
19:15	MA16678-CCV5	1289	51433	17858
19:20	MA16678-CCB5	1287	51518	17868
19:25	MP22401-S3	1244	51419	16606
19:30	MP22401-S4	1250	51992	18288
19:34	MC27748-1	1275	52877	18472
19:39	ZZZZZZ	1346	54993	19764
19:44	ZZZZZZ	1347	54977	19796
19:49	ZZZZZZ	1407	57587	20427
19:54	ZZZZZZ	1339	54791	19399
19:59	ZZZZZZ	1351	55227	19592
20:04	ZZZZZZ	1428	57928	20719
20:09	ZZZZZZ	1301	53475	19006

INTERNAL STANDARD SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16678
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
20:14	MA16678-CCV6	1275	52083	18082
20:19	MA16678-CCB6	1281	51792	17861
20:24	ZZZZZZ	1341	54637	19092
20:29	ZZZZZZ	1326	53996	19007
20:33	ZZZZZZ	1343	54708	19240
20:38	ZZZZZZ	1348	54203	19109
20:43	ZZZZZZ	1355	54642	19319
20:48	ZZZZZZ	1357	54948	19246
20:53	ZZZZZZ	1350	54345	19207
20:57	ZZZZZZ	1347	54737	19113
21:02	ZZZZZZ	1375	55490	19534
21:07	ZZZZZZ	1375	55830	19589
21:12	MA16678-CCV7	1277	53286	18067
21:17	MA16678-CCB7	1275	51760	17923
21:22	ZZZZZZ	1407	57144	20135
21:27	MP22389-B1	1263	51355	17822
21:31	MP22389-MB1	1270	51893	18112
21:36	MP22389-S1	1238	51127	18148
21:41	MP22389-S2	1242	51669	18228
21:46	MC27670-1	1259	52227	18333
21:51	MP22389-SD1	1264	52167	18401
21:56	MP22389-LC1	1350	55323	19610
22:00	ZZZZZZ	1244	51465	18157
22:06	MA16678-CCV8	1265	51332	18268
22:10	MA16678-CCB8	1273	51651	18058
22:15	MA16678-CRIA2	1273	51453	18037
22:20	MA16678-ICSA2	1158	47669	17707
22:25	MA16678-ICSAB2	1158	47635	17671
22:30	MA16678-CCV9	1269	51116	18150
22:35	MA16678-CCB9	1279	51559	18080
22:40	MA16678-CRIB1	1274	51138	18031
22:45	MP22404-B1	1203	50654	17954
22:50	MP22404-MB1	1265	51610	18124

INTERNAL STANDARD SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16678
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
22:55	MP22404-S1	1155	49360	17472
23:00	MP22404-S2	1156	49413	17689
23:05	MC27753-12A	1157	49613	17586
23:10	MP22404-SD1	1246	51153	18093
23:15	MP22404-B2	1206	50511	17776
23:20	MP22404-LB1	1200	50521	17851
23:25	ZZZZZZ	1186	50110	17477
23:29	MA16678-CCV10	1280	51467	18448
23:34	MA16678-CCB10	1281	51514	17944
23:39	ZZZZZZ	1198	50312	17542
23:44	ZZZZZZ	1191	50125	17467
23:49	ZZZZZZ	1194	50542	17673
23:54	ZZZZZZ	1190	49940	17515
23:59	ZZZZZZ	1188	49938	17566
00:04	ZZZZZZ	1161	49024	17548
00:09	ZZZZZZ	1198	50257	18019
00:14	ZZZZZZ	1202	50206	17904
00:19	ZZZZZZ	1146	48829	17489
00:24	ZZZZZZ	1153	48905	17558
00:29	MA16678-CCV11	1279	50920	18184
00:34	MA16678-CCB11	1268	50960	18046
00:39	ZZZZZZ	1175	49022	17691
00:44	ZZZZZZ	1165	49240	17608
00:49	ZZZZZZ	1164	49349	17732
00:54	ZZZZZZ	1180	49638	17682
00:59	ZZZZZZ	1194	49948	17799
01:04	MP22395-B1	1266	50690	18204
01:09	MP22395-MB1	1270	50872	18096
01:14	MP22395-S1	1270	50535	18241
01:19	MP22395-S2	1271	50844	18215
01:24	MC27709-1A	1268	50678	18192
01:28	MA16678-CCV12	1282	51083	18187
01:33	MA16678-CCB12	1279	51081	17976

INTERNAL STANDARD SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16678
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
01:38	MP22395-SD1	1285	51068	18209
01:43	MP22395-B2	1271	50791	18202
01:48	MP22395-LB1	1270	50821	18054
01:53	ZZZZZZ	1273	50821	18160
01:58	ZZZZZZ	1279	50872	18321
02:03	ZZZZZZ	1277	50762	18303
02:08	ZZZZZZ	1283	50633	18396
02:13	ZZZZZZ	1273	50647	18333
02:18	ZZZZZZ	1284	50894	18328
02:22	ZZZZZZ	1289	50812	18388
02:27	MA16678-CCV13	1299	50659	18204
02:32	MA16678-CCB13	1292	50998	18080
02:37	ZZZZZZ	1289	50720	18315
02:42	ZZZZZZ	1285	50652	18282
02:47	MA16678-CRIB2	1294	50972	18059
02:52	MA16678-ICSA3	1175	46747	17710
02:57	MA16678-ICSAB3	1176	47260	17618
03:02	MA16678-CCV14	1299	51062	18153
03:07	MA16678-CCB14	1298	51123	17942

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16678 Units: ug/l

Time: / Sample ID:			15:14 ICB1		15:24 CCB1		16:23 CCB2		17:22 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.1								
Antimony	6.0	1.1								
Arsenic	4.0	2.2	0.40	<4.0	0.90	<4.0	0.90	<4.0	-0.50	<4.0
Barium	50	.19	0.20	<50	0.20	<50	-0.10	<50	0.50	<50
Beryllium	4.0	.08								
Boron	100	.81								
Cadmium	4.0	.22	0.30	<4.0	0.30	<4.0	0.20	<4.0	0.20	<4.0
Calcium	5000	8.5								
Chromium	10	.74	0.20	<10	-0.50	<10	-0.40	<10	0.10	<10
Cobalt	50	.28								
Copper	25	.86	anr							
Gold	50	1.8								
Iron	100	4.4	anr							
Lead	5.0	1.6	0.30	<5.0	1.1	<5.0	0.0	<5.0	0.20	<5.0
Magnesium	5000	43								
Manganese	15	.17	anr							
Molybdenum	100	.4								
Nickel	40	.45	anr							
Palladium	50	2								
Platinum	50	8.7								
Potassium	5000	24								
Selenium	10	1.4	-0.10	<10	-0.80	<10	0.30	<10	1.8	<10
Silicon	100	2.1								
Silver	5.0	.47	-0.40	<5.0	-0.50	<5.0	-0.30	<5.0	-0.10	<5.0
Sodium	5000	42								
Sulfur	50	2.9								
Strontium	10	.1								
Thallium	5.0	1.7								
Tin	100	1.5								
Titanium	50	.48								
Tungsten	100	9.3								
Vanadium	10	.9								
Zinc	20	.91	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16678 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	.76

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16678 Units: ug/l

Time: / Sample ID:			18:22 CCB4		19:20 CCB5		20:19 CCB6		21:17 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.1								
Antimony	6.0	1.1								
Arsenic	4.0	2.2	-1.9	<4.0	-0.80	<4.0	0.80	<4.0	-0.70	<4.0
Barium	50	.19	-0.10	<50	0.20	<50	-0.20	<50	-0.50	<50
Beryllium	4.0	.08								
Boron	100	.81								
Cadmium	4.0	.22	0.30	<4.0	0.0	<4.0	0.30	<4.0	0.10	<4.0
Calcium	5000	8.5								
Chromium	10	.74	-0.30	<10	-0.20	<10	-0.20	<10	-0.40	<10
Cobalt	50	.28								
Copper	25	.86	anr							
Gold	50	1.8								
Iron	100	4.4	anr							
Lead	5.0	1.6	0.30	<5.0	-0.40	<5.0	0.50	<5.0	0.0	<5.0
Magnesium	5000	43								
Manganese	15	.17	anr							
Molybdenum	100	.4								
Nickel	40	.45	anr							
Palladium	50	2								
Platinum	50	8.7								
Potassium	5000	24								
Selenium	10	1.4	1.0	<10	0.10	<10	1.4	<10	1.3	<10
Silicon	100	2.1								
Silver	5.0	.47	-0.50	<5.0	0.10	<5.0	-0.20	<5.0	-0.20	<5.0
Sodium	5000	42								
Sulfur	50	2.9								
Strontium	10	.1								
Thallium	5.0	1.7								
Tin	100	1.5								
Titanium	50	.48								
Tungsten	100	9.3								
Vanadium	10	.9								
Zinc	20	.91	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16678 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	.76

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16678 Units: ug/l

Time:			22:10		22:35	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	6.1				
Antimony	6.0	1.1				
Arsenic	4.0	2.2	-0.70	<4.0	-1.4	<4.0
Barium	50	.19	0.60	<50	0.20	<50
Beryllium	4.0	.08				
Boron	100	.81				
Cadmium	4.0	.22	0.10	<4.0	0.10	<4.0
Calcium	5000	8.5				
Chromium	10	.74	0.0	<10	0.0	<10
Cobalt	50	.28				
Copper	25	.86	anr			
Gold	50	1.8				
Iron	100	4.4	anr			
Lead	5.0	1.6	-0.40	<5.0	-0.30	<5.0
Magnesium	5000	43				
Manganese	15	.17	anr			
Molybdenum	100	.4				
Nickel	40	.45	anr			
Palladium	50	2				
Platinum	50	8.7				
Potassium	5000	24				
Selenium	10	1.4	1.5	<10	0.70	<10
Silicon	100	2.1				
Silver	5.0	.47	0.0	<5.0	-0.20	<5.0
Sodium	5000	42				
Sulfur	50	2.9				
Strontium	10	.1				
Thallium	5.0	1.7				
Tin	100	1.5				
Titanium	50	.48				
Tungsten	100	9.3				
Vanadium	10	.9				
Zinc	20	.91	anr			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16678 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	.76

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16678 Units: ug/l

Time:		15:08			15:19			16:18	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	3000	2980	99.3	2000	1920	96.0	2000	1910	95.5
Barium	3000	3020	100.7	2000	1930	96.5	2000	1920	96.0
Beryllium									
Boron									
Cadmium	3000	2910	97.0	2000	1930	96.5	2000	1920	96.0
Calcium									
Chromium	3000	2870	95.7	2000	1900	95.0	2000	1890	94.5
Cobalt									
Copper	anr								
Gold									
Iron	anr								
Lead	3000	2860	95.3	2000	1910	95.5	2000	1900	95.0
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	3000	2930	97.7	2000	1910	95.5	2000	1910	95.5
Silicon									
Silver	500	486	97.2	250	243	97.2	250	243	97.2
Sodium									
Sulfur									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16678 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16678 Units: ug/l

Time:		17:17			18:17			19:15	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	2000	1940	97.0	2000	1930	96.5	2000	1930	96.5
Barium	2000	1900	95.0	2000	1920	96.0	2000	1890	94.5
Beryllium									
Boron									
Cadmium	2000	1930	96.5	2000	1920	96.0	2000	1920	96.0
Calcium									
Chromium	2000	1920	96.0	2000	1920	96.0	2000	1910	95.5
Cobalt									
Copper	anr								
Gold									
Iron	anr								
Lead	2000	1940	97.0	2000	1920	96.0	2000	1920	96.0
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	2000	1950	97.5	2000	1920	96.0	2000	1930	96.5
Silicon									
Silver	250	239	95.6	250	240	96.0	250	240	96.0
Sodium									
Sulfur									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16678 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16678 Units: ug/l

Time:		20:14			21:12			22:06	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	2000	1940	97.0	2000	1930	96.5	2000	1940	97.0
Barium	2000	1890	94.5	2000	1900	95.0	2000	1910	95.5
Beryllium									
Boron									
Cadmium	2000	1920	96.0	2000	1920	96.0	2000	1930	96.5
Calcium									
Chromium	2000	1930	96.5	2000	1870	93.5	2000	1940	97.0
Cobalt									
Copper	anr								
Gold									
Iron	anr								
Lead	2000	1940	97.0	2000	1940	97.0	2000	1950	97.5
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	2000	1950	97.5	2000	1950	97.5	2000	1960	98.0
Silicon									
Silver	250	234	93.6	250	227	90.8	250	236	94.4
Sodium									
Sulfur									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16678 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16678 Units: ug/l

Time:		22:30	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Aluminum			
Antimony			
Arsenic	2000	1960	98.0
Barium	2000	1910	95.5
Beryllium			
Boron			
Cadmium	2000	1940	97.0
Calcium			
Chromium	2000	1940	97.0
Cobalt			
Copper	anr		
Gold			
Iron	anr		
Lead	2000	1950	97.5
Magnesium			
Manganese	anr		
Molybdenum			
Nickel	anr		
Palladium			
Platinum			
Potassium			
Selenium	2000	1960	98.0
Silicon			
Silver	250	239	95.6
Sodium			
Sulfur			
Strontium			
Thallium			
Tin			
Titanium			
Tungsten			
Vanadium			
Zinc	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16678 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16678 Units: ug/l

Time:			15:34		18:27		18:32		22:15	
Sample ID:	CRI	CRIA	CRI1		CRI2		CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	200								
Antimony	6.0	10								
Arsenic	4.0	10	3.7	92.5	3.7	92.5	10.5	105.0	10.6	106.0
Barium	50	50	49.6	99.2	48.6	97.2	49.3	98.6	49.0	98.0
Beryllium	4.0	4.0								
Boron	100	100								
Cadmium	4.0	4.0	4.0	100.0	4.1	102.5	4.1	102.5	4.0	100.0
Calcium	5000	5000								
Chromium	10	10	8.5	85.0	8.6	86.0	9.3	93.0	9.4	94.0
Cobalt	50	50								
Copper	25	25	anr							
Gold	50	50								
Iron	100	100	anr							
Lead	5.0	10	4.7	94.0	4.7	94.0	10.8	108.0	10.9	109.0
Magnesium	5000	5000								
Manganese	15	15	anr							
Molybdenum	100	100								
Nickel	40	40	anr							
Palladium	50	50								
Platinum	50	50								
Potassium	5000	5000								
Selenium	10	10	10.1	101.0	10.7	107.0	9.7	97.0	10.6	106.0
Silicon	100	100								
Silver	5.0	5.0	4.9	98.0	4.5	90.0	4.8	96.0	4.7	94.0
Sodium	5000	5000								
Sulfur	50	50								
Strontium	10	10								
Thallium	5.0	10								
Tin	100	100								
Titanium	50	50								
Tungsten	100	100								
Vanadium	10	10								
Zinc	20	20	anr							

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16678 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	50

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16678 Units: ug/l

Time:			15:39		15:44		22:20		22:25	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	510000	102.0	523000	104.6	516000	103.2	523000	104.6
Antimony		2000	-0.50		2070	103.5	-1.3		2110	105.5
Arsenic		2000	-0.80		2120	106.0	-0.40		2140	107.0
Barium		500	-0.90		498	99.6	-1.0		491	98.2
Beryllium		500	0.0		461	92.2	0.0		471	94.2
Boron		1000	0.70		1020	102.0	0.50		1020	102.0
Cadmium		1000	0.20		1040	104.0	0.20		1030	103.0
Calcium	500000	500000	446000	89.2	455000	91.0	442000	88.4	445000	89.0
Chromium		500	-0.60		462	92.4	-0.10		469	93.8
Cobalt		500	1.3		462	92.4	1.1		467	93.4
Copper		500	0.0		531	106.2	1.4		541	108.2
Gold		500	1.6		503	100.6	2.4		486	97.2
Iron	200000	200000	175000	87.5	179000	89.5	178000	89.0	180000	90.0
Lead		1000	0.20		913	91.3	-1.9		925	92.5
Magnesium	500000	500000	516000	103.2	528000	105.6	528000	105.6	535000	107.0
Manganese		500	0.10		483	96.6	0.30		477	95.4
Molybdenum		1000	-0.80		931	93.1	-0.50		946	94.6
Nickel		1000	0.30		858	85.8	-0.20		888	88.8
Palladium		500	-44		545	109.0	-50		534	106.8
Platinum		500	-32		487	97.4	-29		485	97.0
Potassium			-33		-42		-17		-49	
Selenium		2000	-2.0		2000	100.0	1.6		2040	102.0
Silicon		2000	53.7		2300	115.0	56.2		2380	119.0
Silver		1000	-0.10		1060	106.0	-0.20		1030	103.0
Sodium			30.3		30.1		56.7		53.5	
Sulfur		500	125*		693	138.6	127*		688	137.6
Strontium		1000	-7.4		965	96.5	-7.1		1010	101.0
Thallium		2000	2.2		1840	92.0	1.0		1840	92.0
Tin		1000	2.8		962	96.2	2.7		999	99.9
Titanium		500	5.9		508	101.6	5.4		492	98.4
Tungsten		2000	-27		2130	106.5	-31		2140	107.0
Vanadium		500	1.4		503	100.6	0.0		502	100.4
Zinc		1000	0.30		900	90.0	0.40		898	89.8

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012114M2.ICP Date Analyzed: 01/21/14 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16678 Units: ug/l

Time: / Sample ID: / Metal								
Zirconium	500	5.1	363	72.6*	3.1	345	69.0*	

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16680
Parameters: Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:35	MA16680-STD1	1		STD1
10:40	MA16680-STD2	1		STD2
10:45	MA16680-STD3	1		STD3
10:50	MA16680-STD4	1		STD4
10:55	MA16680-ICV1	1		
11:01	MA16680-ICB1	1		
11:06	MA16680-CCV1	1		
11:11	MA16680-CCB1	1		
11:16	MA16680-CRI1	1		
11:21	MA16680-CRIA1	1		
11:26	MA16680-CRIB1	1		
11:31	MA16680-ICSA1	1		
11:36	MA16680-ICSAB1	1		
11:41	MP22402-B1	1		
11:45	ZZZZZZ	1		DNR: SEE RERUN.
11:50	MP22402-S1	1		
11:55	MP22402-S2	1		
12:00	MC27771-1	1		(sample used for QC only; not part of login MC27769)
12:04	MA16680-CCV2	1		
12:09	MA16680-CCB2	1		
12:14	MP22402-SD1	5		
12:19	MP22402-LC1	1		
12:24	ZZZZZZ	1		
12:28	ZZZZZZ	1		
12:34	ZZZZZZ	5		
12:38	MP22403-PS1	1		
---------->	Last reportable sample/prep for job MC27769			
12:43	ZZZZZZ	10		
12:49	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:58	ZZZZZZ	1		
13:03	MA16680-CCV3	1		
13:08	MA16680-CCB3	1		
13:13	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16680
Parameters: Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:18	ZZZZZZ	1		
13:22	ZZZZZZ	1		
13:27	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:37	ZZZZZZ	1		
13:42	ZZZZZZ	1		
13:46	ZZZZZZ	1		
13:51	ZZZZZZ	1		
13:56	ZZZZZZ	1		
14:01	MA16680-CCV4	1		
14:06	MA16680-CCB4	1		
14:11	ZZZZZZ	1		
14:15	ZZZZZZ	1		
14:20	ZZZZZZ	1		
14:25	ZZZZZZ	1		
14:30	MP22402-PS1	1		
14:35	ZZZZZZ	5		
14:40	ZZZZZZ	1		
14:45	ZZZZZZ	1		DNR: CARRY OVER, SEE RERUN.
14:50	MP22409-B1	1		
14:54	MP22409-MB1	1		
14:59	MA16680-CCV5	1		
15:04	MA16680-CCB5	1		
15:09	MP22402-MB1	1		
15:14	MP22409-S1	1		
15:19	MP22409-S2	1		
15:24	MC27760-3	1		(sample used for QC only; not part of login MC27769)
15:29	MP22409-SD1	5		
15:34	MP22409-B2	1		
15:38	MP22409-LC1	1		
15:45	MP22409-PS1	1		
15:50	MA16680-CCV6	1		
15:55	MA16680-CCB6	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16680
Parameters: Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:00	MA16680-CRI2	1		
16:06	MA16680-CRIA2	1		
16:14	MA16680-CRIB2	1		
16:19	MA16680-ICSA2	1		
16:24	MA16680-ICSAB2	1		
16:29	MA16680-CCV7	1		
16:33	MA16680-CCB7	1		

----------> Last reportable CCB for job MC27769
Refer to raw data for calibration curve and standards.

8.3
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INTERNAL STANDARD SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16680
Parameters: Se

Time	Sample Description	Istd#1	Istd#2	Istd#3
10:35	MA16680-STD1	1323 R	51232 R	17996 R
10:40	MA16680-STD2	1312	50667	18111
10:45	MA16680-STD3			18241
10:50	MA16680-STD4	1325	50289	18233
10:55	MA16680-ICV1	1309	50322	18260
11:01	MA16680-ICB1	1318	50828	18129
11:06	MA16680-CCV1	1317	50409	18322
11:11	MA16680-CCB1	1316	50963	18094
11:16	MA16680-CRI1	1317	50858	18222
11:21	MA16680-CRIA1	1313	50899	18161
11:26	MA16680-CRIB1	1309	50365	17993
11:31	MA16680-ICSA1	1195	46577	17609
11:36	MA16680-ICSAB1	1189	46676	17747
11:41	MP22402-B1	1290	49319	17981
11:45	ZZZZZZ	1312	50060	18234
11:50	MP22402-S1	1359	52996	19475
11:55	MP22402-S2	1380	52892	19523
12:00	MC27771-1	1419	54707	19688
12:04	MA16680-CCV2	1322	49500	18096
12:09	MA16680-CCB2	1330	50179	17941
12:14	MP22402-SD1	1361	50210	18609
12:19	MP22402-LC1	1419	52560	19599
12:24	ZZZZZZ	1449	54195	20155
12:28	ZZZZZZ	1348	50510	19135
12:34	ZZZZZZ	1355	49633	18271
12:38	MP22403-PS1	1256	48186	17574
12:43	ZZZZZZ	1306	49676	18099
12:49	ZZZZZZ	1432	53434	19775
12:53	ZZZZZZ	1447	53990	19938
12:58	ZZZZZZ	1429	52957	19554
13:03	MA16680-CCV3	1338	49897	18230
13:08	MA16680-CCB3	1342	49642	18147
13:13	ZZZZZZ	1427	53253	19709

INTERNAL STANDARD SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16680
Parameters: Se

Time	Sample Description	Istd#1	Istd#2	Istd#3
13:18	ZZZZZZ	1423	53145	19635
13:22	ZZZZZZ	1441	53559	19860
13:27	ZZZZZZ	1433	53273	19401
13:32	ZZZZZZ	1412	52918	19456
13:37	ZZZZZZ	1422	53425	19448
13:42	ZZZZZZ	1434	53695	19677
13:46	ZZZZZZ	1442	54039	19885
13:51	ZZZZZZ	1400	52915	19518
13:56	ZZZZZZ	1419	53361	19566
14:01	MA16680-CCV4	1340	49549	18218
14:06	MA16680-CCB4	1344	49933	18109
14:11	ZZZZZZ	1451	54493	19933
14:15	ZZZZZZ	1441	53834	19870
14:20	ZZZZZZ	1423	54313	19608
14:25	ZZZZZZ	1435	53869	19643
14:30	MP22402-PS1	1414	53282	19528
14:35	ZZZZZZ	1373	51194	18531
14:40	ZZZZZZ	1454	54564	19901
14:45	ZZZZZZ	1315	49843	18003
14:50	MP22409-B1	1314	49612	18076
14:54	MP22409-MB1	1337	49984	18196
14:59	MA16680-CCV5	1344	49945	18403
15:04	MA16680-CCB5	1347	49883	18053
15:09	MP22402-MB1	1332	50211	18057
15:14	MP22409-S1	1354	51721	19279
15:19	MP22409-S2	1340	51329	19167
15:24	MC27760-3	1386	52821	19637
15:29	MP22409-SD1	1352	51169	18612
15:34	MP22409-B2	1314	49946	18182
15:38	MP22409-LC1	1435	54367	19699
15:45	MP22409-PS1	1373	52453	19494
15:50	MA16680-CCV6	1341	50213	18191
15:55	MA16680-CCB6	1349	50852	18351

INTERNAL STANDARD SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16680
Parameters: Se

Time	Sample Description	Istd#1	Istd#2	Istd#3
16:00	MA16680-CRI2	1348	50044	17832
16:06	MA16680-CRIA2	1343	50433	18250
16:14	MA16680-CRIB2	1338	50766	18159
16:19	MA16680-ICSA2	1214	46935	17879
16:24	MA16680-ICSAB2	1218	46750	17805
16:29	MA16680-CCV7	1344	50373	18278
16:33	MA16680-CCB7	1346	50785	18253

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

8.3.1

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BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16680 Units: ug/l

Time:			11:01		11:11		12:09		13:08	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.1	anr							
Antimony	6.0	1.1	anr							
Arsenic	4.0	2.2	anr							
Barium	50	.19	anr							
Beryllium	4.0	.08	anr							
Boron	100	.81								
Cadmium	4.0	.22	anr							
Calcium	5000	8.5	anr							
Chromium	10	.74	anr							
Cobalt	50	.28	anr							
Copper	25	.86	anr							
Gold	50	1.8								
Iron	100	4.4	anr							
Lead	5.0	1.6	anr							
Magnesium	5000	43	anr							
Manganese	15	.17	anr							
Molybdenum	100	.4	anr							
Nickel	40	.45	anr							
Palladium	50	2								
Platinum	50	8.7								
Potassium	5000	24	anr							
Selenium	10	1.4	0.70	<10	1.3	<10	2.2	<10	1.2	<10
Silicon	100	2.1								
Silver	5.0	.47	anr							
Sodium	5000	42	anr							
Sulfur	50	2.9								
Strontium	10	.1								
Thallium	5.0	1.7	anr							
Tin	100	1.5								
Titanium	50	.48								
Tungsten	100	9.3								
Vanadium	10	.9	anr							
Zinc	20	.91	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16680 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	.76

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16680 Units: ug/l

Time: / Sample ID:			14:06 CCB4		15:04 CCB5		15:55 CCB6		16:33 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.1	anr							
Antimony	6.0	1.1	anr							
Arsenic	4.0	2.2	anr							
Barium	50	.19	anr							
Beryllium	4.0	.08	anr							
Boron	100	.81								
Cadmium	4.0	.22	anr							
Calcium	5000	8.5	anr							
Chromium	10	.74	anr							
Cobalt	50	.28	anr							
Copper	25	.86	anr							
Gold	50	1.8								
Iron	100	4.4	anr							
Lead	5.0	1.6	anr							
Magnesium	5000	43	anr							
Manganese	15	.17	anr							
Molybdenum	100	.4	anr							
Nickel	40	.45	anr							
Palladium	50	2								
Platinum	50	8.7								
Potassium	5000	24	anr							
Selenium	10	1.4	2.6	<10	1.1	<10	2.1	<10	2.5	<10
Silicon	100	2.1								
Silver	5.0	.47	anr							
Sodium	5000	42	anr							
Sulfur	50	2.9								
Strontium	10	.1								
Thallium	5.0	1.7	anr							
Tin	100	1.5								
Titanium	50	.48								
Tungsten	100	9.3								
Vanadium	10	.9	anr							
Zinc	20	.91	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16680 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	.76

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16680 Units: ug/l

Time:		10:55			11:06			12:04	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	3000	2940	98.0	2000	1930	96.5	2000	1870	93.5
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16680 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16680 Units: ug/l

Time:		13:03			14:01			14:59	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Platinum									
Potassium	anr								
Selenium	2000	1870	93.5	2000	1870	93.5	2000	1850	92.5
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16680 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16680 Units: ug/l

Time:		15:50			16:29	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Boron						
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt	anr					
Copper	anr					
Gold						
Iron	anr					
Lead	anr					
Magnesium	anr					
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Palladium						
Platinum						
Potassium	anr					
Selenium	2000	1870	93.5	2000	1870	93.5
Silicon						
Silver	anr					
Sodium	anr					
Sulfur						
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16680 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16680 Units: ug/l

Time:			11:16		11:21		16:00		16:06	
Sample ID:	CRI	CRIA	CRI1		CRIA1		CRI2		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	200	anr							
Antimony	6.0	10	anr							
Arsenic	4.0	10	anr							
Barium	50	50	anr							
Beryllium	4.0	4.0	anr							
Boron	100	100								
Cadmium	4.0	4.0	anr							
Calcium	5000	5000	anr							
Chromium	10	10	anr							
Cobalt	50	50	anr							
Copper	25	25	anr							
Gold	50	50								
Iron	100	100	anr							
Lead	5.0	10	anr							
Magnesium	5000	5000	anr							
Manganese	15	15	anr							
Molybdenum	100	100	anr							
Nickel	40	40	anr							
Palladium	50	50								
Platinum	50	50								
Potassium	5000	5000	anr							
Selenium	10	10	11.8	118.0	11.2	112.0	10.5	105.0	11.2	112.0
Silicon	100	100								
Silver	5.0	5.0	anr							
Sodium	5000	5000	anr							
Sulfur	50	50								
Strontium	10	10								
Thallium	5.0	10	anr							
Tin	100	100								
Titanium	50	50								
Tungsten	100	100								
Vanadium	10	10	anr							
Zinc	20	20	anr							

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16680 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	50

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA16680 Units: ug/l

Time:		11:26		16:14	
Sample ID:	CRIB	CRIB1		CRIB2	
Metal	True	Results	% Rec	Results	% Rec
Aluminum	200				
Antimony	6.0				
Arsenic	10				
Barium	500				
Beryllium	4.0				
Boron	100				
Cadmium	4.0				
Calcium	5000				
Chromium	10				
Cobalt	50				
Copper	25				
Gold	50				
Iron	100				
Lead	10				
Magnesium	5000				
Manganese	15				
Molybdenum	100				
Nickel	40				
Palladium	50				
Platinum	50				
Potassium	5000				
Selenium	25	27.7	110.8	26.7	106.8
Silicon	100				
Silver	5.0				
Sodium	5000				
Sulfur	50				
Strontium	10				
Thallium	5.0				
Tin	100				
Titanium	50				
Tungsten	100				
Vanadium	10				
Zinc	100				

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA16680 Units: ug/l

Time:	
Sample ID:	
Metal	
Zirconium	50

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16680 Units: ug/l

Time:			11:31		11:36		16:19		16:24	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	520000	104.0	517000	103.4	507000	101.4	511000	102.2
Antimony		2000	4.7		2050	102.5	2.2		2020	101.0
Arsenic		2000	0.70		2080	104.0	0.40		2070	103.5
Barium		500	-0.10		500	100.0	0.0		494	98.8
Beryllium		500	0.0		456	91.2	0.0		452	90.4
Boron		1000	1.3		1010	101.0	1.5		1000	100.0
Cadmium		1000	0.50		1020	102.0	0.50		1010	101.0
Calcium	500000	500000	448000	89.6	446000	89.2	443000	88.6	445000	89.0
Chromium		500	-0.20		457	91.4	-0.20		458	91.6
Cobalt		500	1.6		457	91.4	2.0		452	90.4
Copper		500	4.2		545	109.0	3.1		544	108.8
Gold		500	4.0		492	98.4	1.6		500	100.0
Iron	200000	200000	180000	90.0	176000	88.0	177000	88.5	175000	87.5
Lead		1000	0.80		899	89.9	-0.60		890	89.0
Magnesium	500000	500000	524000	104.8	519000	103.8	518000	103.6	516000	103.2
Manganese		500	0.0		477	95.4	0.30		480	96.0
Molybdenum		1000	0.10		920	92.0	-0.30		909	90.9
Nickel		1000	0.80		848	84.8	0.70		837	83.7
Palladium		500	-38		542	108.4	-37		541	108.2
Platinum		500	-22		480	96.0	-20		495	99.0
Potassium			-45		-49		-48		-35	
Selenium		2000	1.7		1970	98.5	0.80		1940	97.0
Silicon		2000	46.8		2260	113.0	50.2		2220	111.0
Silver		1000	0.50		1060	106.0	0.50		1070	107.0
Sodium			30.0		28.8		20.7		10.2	
Sulfur		500	120*		678	135.6	119*		672	134.4
Strontium		1000	-8.3		955	95.5	-8.3		952	95.2
Thallium		2000	1.0		1820	91.0	2.5		1800	90.0
Tin		1000	1.6		965	96.5	0.60		959	95.9
Titanium		500	5.2		502	100.4	5.2		503	100.6
Tungsten		2000	-35		2080	104.0	-35		2090	104.5
Vanadium		500	-1.0		500	100.0	-1.1		504	100.8
Zinc		1000	0.10		882	88.2	0.10		879	87.9

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M1.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16680 Units: ug/l

Time: / Sample ID: / Metal									
Zirconium	500	4.4		352	70.4*	4.4		352	70.4*

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16683
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:13	MA16683-STD1	1		STD1
17:17	MA16683-STD2	1		STD2
17:22	MA16683-STD3	1		STD3
17:27	MA16683-STD4	1		STD4
17:32	MA16683-ICV1	1		
17:37	MA16683-ICB1	1		
17:42	MA16683-CCV1	1		
17:47	MA16683-CCB1	1		
17:52	MA16683-CRI1	1		
17:57	MA16683-ICSA1	1		
18:02	MA16683-ICSAB1	1		
18:06	MP22410-B1	1		
18:11	MP22410-MB1	1		
18:16	MP22410-S1	1		
18:21	MP22410-S2	1		
18:26	MC27747-7	1		(sample used for QC only; not part of login MC27769)
18:30	MP22410-SD1	5		
18:35	MP22410-B2	1		
18:40	MA16683-CCV2	1		
18:45	MA16683-CCB2	1		
18:50	ZZZZZZ	1		
18:55	ZZZZZZ	1		
19:00	ZZZZZZ	1		
19:05	ZZZZZZ	1		
19:09	ZZZZZZ	1		
19:14	ZZZZZZ	1		
19:19	ZZZZZZ	1		
19:24	MC27769-4	1		
19:29	MC27769-6	1		
19:34	MC27769-7	1		
19:39	MA16683-CCV3	1		
19:44	MA16683-CCB3	1		
19:49	MC27769-8	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16683
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	19:54	MC27769-9	1		
	19:59	MC27769-10	1		
	20:04	MC27769-11	1		
	20:09	MC27769-12	1		
---------->		Last reportable sample/prep for job MC27769			
	20:14	ZZZZZZ	1		
	20:19	ZZZZZZ	1		
	20:24	ZZZZZZ	1		
	20:29	MA16683-CCV4	1		
	20:34	MA16683-CCB4	1		
	20:39	MA16683-CRI2	1		
	20:44	MA16683-ICSA2	1		
	20:49	MA16683-ICSAB2	1		
	20:53	MA16683-CCV5	1		
	20:58	MA16683-CCB5	1		
---------->		Last reportable CCB for job MC27769			
	21:03	MA16683-CRIA1	1		
	21:08	ZZZZZZ	1		
	21:13	ZZZZZZ	1		
	21:18	ZZZZZZ	1		
	21:23	ZZZZZZ	1		
	21:28	ZZZZZZ	1		
	21:32	ZZZZZZ	1		
	21:37	ZZZZZZ	1		
	21:42	ZZZZZZ	1		
	21:47	ZZZZZZ	1		
	21:52	MA16683-CCV6	1		
	21:57	MA16683-CCB6	1		
	22:02	ZZZZZZ	1		
	22:07	ZZZZZZ	1		
	22:11	ZZZZZZ	1		
	22:16	ZZZZZZ	1		
	22:21	ZZZZZZ	1		
	22:26	ZZZZZZ	1		
	22:31	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16683
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:36	ZZZZZZ	1		
22:41	ZZZZZZ	1		
22:46	ZZZZZZ	1		RINSECONF.
22:51	MA16683-CCV7	1		
22:55	MA16683-CCB7	1		
23:00	MA16683-CRIA2	1		
23:05	MA16683-CRIB1	1		
23:10	MP22412-B1	1		
23:15	MP22412-MB1	1		
23:20	MP22412-S1	1		
23:25	MP22412-S2	1		
23:30	MC27650-1	1		(sample used for QC only; not part of login MC27769)
23:35	MP22412-SD1	5		
23:40	MP22412-LB1	1		
23:45	ZZZZZZ	1		
23:50	MA16683-CCV8	1		
23:55	MA16683-CCB8	1		
00:00	ZZZZZZ	1		
00:05	ZZZZZZ	1		
00:10	ZZZZZZ	1		
00:15	ZZZZZZ	1		
00:20	ZZZZZZ	1		
00:25	ZZZZZZ	1		
00:30	ZZZZZZ	1		
00:35	ZZZZZZ	1		
00:40	ZZZZZZ	1		
00:45	ZZZZZZ	1		
00:50	MA16683-CCV9	1		
00:55	MA16683-CCB9	1		
01:00	ZZZZZZ	1		
01:05	ZZZZZZ	1		
01:10	ZZZZZZ	1		
01:15	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16683
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:20	ZZZZZZ	1		
01:25	ZZZZZZ	1		
01:30	ZZZZZZ	1		
01:36	MA16683-CRIB2	1		PB & ZN OUT.
01:40	MA16683-ICSA3	1		
01:46	MA16683-ICSAB3	1		
01:50	MA16683-CCV10	1		
01:55	MA16683-CCB10	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16683
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
17:13	MA16683-STD1	1339 R	50632 R	18040 R
17:17	MA16683-STD2	1328	50449	18189
17:22	MA16683-STD3			18181
17:27	MA16683-STD4	1342	50982	18264
17:32	MA16683-ICV1	1331	50296	18238
17:37	MA16683-ICB1	1342	50894	18123
17:42	MA16683-CCV1	1340	50678	18187
17:47	MA16683-CCB1	1344	51066	18126
17:52	MA16683-CRI1	1345	50955	18116
17:57	MA16683-ICSA1	1220	47238	17790
18:02	MA16683-ICSAB1	1214	47247	17781
18:06	MP22410-B1	1315	51010	17875
18:11	MP22410-MB1	1329	50709	18176
18:16	MP22410-S1	1289	49828	18048
18:21	MP22410-S2	1294	49879	17911
18:26	MC27747-7	1307	50792	18110
18:30	MP22410-SD1	1337	51418	18186
18:35	MP22410-B2	1321	51382	18275
18:40	MA16683-CCV2	1332	51467	18312
18:45	MA16683-CCB2	1333	51911	18209
18:50	ZZZZZZ	1296	50976	18205
18:55	ZZZZZZ	1291	51511	18142
19:00	ZZZZZZ	1276	51195	17945
19:05	ZZZZZZ	1284	50946	18048
19:09	ZZZZZZ	1282	51194	18057
19:14	ZZZZZZ	1285	50939	18069
19:19	ZZZZZZ	1291	50611	18061
19:24	MC27769-4	1266	50283	17877
19:29	MC27769-6	1246	50122	17831
19:34	MC27769-7	1288	50806	17895
19:39	MA16683-CCV3	1328	51768	18276
19:44	MA16683-CCB3	1331	51318	17875
19:49	MC27769-8	1277	50862	17901

INTERNAL STANDARD SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16683
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
19:54	MC27769-9	1268	50944	18077
19:59	MC27769-10	1275	50995	17995
20:04	MC27769-11	1279	50931	17978
20:09	MC27769-12	1300	51615	18250
20:14	ZZZZZZ	1261	50670	17733
20:19	ZZZZZZ	1291	51370	18060
20:24	ZZZZZZ	1264	50708	18064
20:29	MA16683-CCV4	1322	51637	18334
20:34	MA16683-CCB4	1323	51773	18046
20:39	MA16683-CRI2	1325	51640	18084
20:44	MA16683-ICSA2	1196	47562	17694
20:49	MA16683-ICSAB2	1196	47860	17762
20:53	MA16683-CCV5	1315	51570	18116
20:58	MA16683-CCB5	1316	51828	18053
21:03	MA16683-CRIA1	1320	51844	18032
21:08	ZZZZZZ	1437	56517	19967
21:13	ZZZZZZ	1430	56066	19800
21:18	ZZZZZZ	1418	55661	19770
21:23	ZZZZZZ	1412	55107	19503
21:28	ZZZZZZ	1418	55494	19530
21:32	ZZZZZZ	1430	55390	19691
21:37	ZZZZZZ	1430	55750	19891
21:42	ZZZZZZ	1425	56190	19671
21:47	ZZZZZZ	1348	53154	18869
21:52	MA16683-CCV6	1326	51831	18231
21:57	MA16683-CCB6	1327	52027	18007
22:02	ZZZZZZ	1381	54283	19528
22:07	ZZZZZZ	1345	53937	19413
22:11	ZZZZZZ	1389	54327	19217
22:16	ZZZZZZ	1330	53096	18950
22:21	ZZZZZZ	1319	52435	18817
22:26	ZZZZZZ	1422	55790	19872
22:31	ZZZZZZ	1361	53994	19288

INTERNAL STANDARD SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16683
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
22:36	ZZZZZZ	1299	51497	18805
22:41	ZZZZZZ	1374	54597	19359
22:46	ZZZZZZ	1338	52172	18022
22:51	MA16683-CCV7	1334	51570	18190
22:55	MA16683-CCB7	1338	52406	18236
23:00	MA16683-CRIA2	1335	52040	18109
23:05	MA16683-CRIB1	1336	51980	18095
23:10	MP22412-B1	1265	51293	18095
23:15	MP22412-MB1	1318	51996	18132
23:20	MP22412-S1	1206	49972	17553
23:25	MP22412-S2	1206	49891	17549
23:30	MC27650-1	1199	49888	17482
23:35	MP22412-SD1	1297	51801	17952
23:40	MP22412-LB1	1256	51319	17882
23:45	ZZZZZZ	1251	50561	17769
23:50	MA16683-CCV8	1338	51851	18124
23:55	MA16683-CCB8	1340	52042	18024
00:00	ZZZZZZ	1199	49385	17404
00:05	ZZZZZZ	1227	50288	17764
00:10	ZZZZZZ	1202	49488	17573
00:15	ZZZZZZ	1251	50863	17835
00:20	ZZZZZZ	1251	50682	17916
00:25	ZZZZZZ	1247	50495	17963
00:30	ZZZZZZ	1251	50642	17812
00:35	ZZZZZZ	1207	49449	17467
00:40	ZZZZZZ	1216	49786	17612
00:45	ZZZZZZ	1221	49977	17646
00:50	MA16683-CCV9	1353	51891	18074
00:55	MA16683-CCB9	1346	51918	17989
01:00	ZZZZZZ	1194	49106	17368
01:05	ZZZZZZ	1211	49738	17579
01:10	ZZZZZZ	1203	49364	17544
01:15	ZZZZZZ	1216	49773	17576

INTERNAL STANDARD SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
Analyst: EAL Run ID: MA16683
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3
01:20	ZZZZZZ	1262	50610	17890
01:25	ZZZZZZ	1241	50068	17672
01:30	ZZZZZZ	1235	50408	17719
01:36	MA16683-CRIB2	1352	51650	18110
01:40	MA16683-ICSA3	1228	47771	17686
01:46	MA16683-ICSAB3	1225	47801	17841
01:50	MA16683-CCV10	1356	51489	18104
01:55	MA16683-CCB10	1355	51664	18070

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16683 Units: ug/l

Time:			17:37		17:47		18:45		19:44	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.1								
Antimony	6.0	1.1	anr							
Arsenic	4.0	2.2	-0.40	<4.0	0.20	<4.0	0.0	<4.0	-0.30	<4.0
Barium	50	.19	0.40	<50	0.10	<50	-0.30	<50	0.20	<50
Beryllium	4.0	.08	anr							
Boron	100	.81								
Cadmium	4.0	.22	0.0	<4.0	0.30	<4.0	0.20	<4.0	0.20	<4.0
Calcium	5000	8.5								
Chromium	10	.74	0.50	<10	0.20	<10	0.30	<10	0.70	<10
Cobalt	50	.28	anr							
Copper	25	.86	anr							
Gold	50	1.8								
Iron	100	4.4	anr							
Lead	5.0	1.6	1.2	<5.0	1.6	<5.0	0.60	<5.0	0.70	<5.0
Magnesium	5000	43								
Manganese	15	.17	anr							
Molybdenum	100	.4	anr							
Nickel	40	.45	anr							
Palladium	50	2								
Platinum	50	8.7								
Potassium	5000	24								
Selenium	10	1.4	0.40	<10	1.1	<10	0.90	<10	1.4	<10
Silicon	100	2.1								
Silver	5.0	.47	-0.20	<5.0	-0.20	<5.0	0.10	<5.0	0.40	<5.0
Sodium	5000	42								
Sulfur	50	2.9								
Strontium	10	.1								
Thallium	5.0	1.7	anr							
Tin	100	1.5								
Titanium	50	.48								
Tungsten	100	9.3								
Vanadium	10	.9	anr							
Zinc	20	.91	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16683 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	.76

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16683 Units: ug/l

Time:			20:34		20:58	
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	6.1				
Antimony	6.0	1.1	anr			
Arsenic	4.0	2.2	0.50	<4.0	0.90	<4.0
Barium	50	.19	-0.40	<50	-0.20	<50
Beryllium	4.0	.08	anr			
Boron	100	.81				
Cadmium	4.0	.22	0.40	<4.0	0.20	<4.0
Calcium	5000	8.5				
Chromium	10	.74	0.20	<10	0.0	<10
Cobalt	50	.28	anr			
Copper	25	.86	anr			
Gold	50	1.8				
Iron	100	4.4	anr			
Lead	5.0	1.6	0.70	<5.0	0.60	<5.0
Magnesium	5000	43				
Manganese	15	.17	anr			
Molybdenum	100	.4	anr			
Nickel	40	.45	anr			
Palladium	50	2				
Platinum	50	8.7				
Potassium	5000	24				
Selenium	10	1.4	-0.70	<10	0.10	<10
Silicon	100	2.1				
Silver	5.0	.47	-0.20	<5.0	0.60	<5.0
Sodium	5000	42				
Sulfur	50	2.9				
Strontium	10	.1				
Thallium	5.0	1.7	anr			
Tin	100	1.5				
Titanium	50	.48				
Tungsten	100	9.3				
Vanadium	10	.9	anr			
Zinc	20	.91	anr			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA16683 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	.76

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16683 Units: ug/l

Time:		17:32			17:42			18:40	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	3000	2990	99.7	2000	1930	96.5	2000	1970	98.5
Barium	3000	3070	102.3	2000	1970	98.5	2000	1960	98.0
Beryllium	anr								
Boron									
Cadmium	3000	2920	97.3	2000	1950	97.5	2000	1960	98.0
Calcium									
Chromium	3000	2940	98.0	2000	1970	98.5	2000	2000	100.0
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	3000	2870	95.7	2000	1940	97.0	2000	1960	98.0
Magnesium									
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	3000	2930	97.7	2000	1930	96.5	2000	1980	99.0
Silicon									
Silver	500	484	96.8	250	244	97.6	250	237	94.8
Sodium									
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16683 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16683 Units: ug/l

Time:		19:39			20:29			20:53	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	2000	1950	97.5	2000	1960	98.0	2000	1970	98.5
Barium	2000	1940	97.0	2000	1950	97.5	2000	1940	97.0
Beryllium	anr								
Boron									
Cadmium	2000	1940	97.0	2000	1950	97.5	2000	1960	98.0
Calcium									
Chromium	2000	1980	99.0	2000	2010	100.5	2000	2040	102.0
Cobalt	anr								
Copper	anr								
Gold									
Iron	anr								
Lead	2000	1950	97.5	2000	1970	98.5	2000	1980	99.0
Magnesium									
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	2000	1960	98.0	2000	1970	98.5	2000	1990	99.5
Silicon									
Silver	250	233	93.2	250	235	94.0	250	233	93.2
Sodium									
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA16683 Units: ug/l

Time:	
Sample ID:	
Metal	

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16683 Units: ug/l

Time:			17:52		20:39	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	200	200				
Antimony	6.0	10	anr			
Arsenic	4.0	10	5.2	130.0	4.9	122.5
Barium	50	50	50.3	100.6	49.7	99.4
Beryllium	4.0	4.0	anr			
Boron	100	100				
Cadmium	4.0	4.0	4.2	105.0	4.3	107.5
Calcium	5000	5000				
Chromium	10	10	9.3	93.0	9.1	91.0
Cobalt	50	50	anr			
Copper	25	25	anr			
Gold	50	50				
Iron	100	100	anr			
Lead	5.0	10	5.4	108.0	4.8	96.0
Magnesium	5000	5000				
Manganese	15	15	anr			
Molybdenum	100	100	anr			
Nickel	40	40	anr			
Palladium	50	50				
Platinum	50	50				
Potassium	5000	5000				
Selenium	10	10	10.0	100.0	10.8	108.0
Silicon	100	100				
Silver	5.0	5.0	4.6	92.0	4.8	96.0
Sodium	5000	5000				
Sulfur	50	50				
Strontium	10	10				
Thallium	5.0	10	anr			
Tin	100	100				
Titanium	50	50				
Tungsten	100	100				
Vanadium	10	10	anr			
Zinc	20	20	anr			

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA16683 Units: ug/l

Time:		
Sample ID:		
Metal		
Zirconium	50	50

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16683 Units: ug/l

Time:			17:57		18:02		20:44		20:49	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	517000	103.4	523000	104.6	527000	105.4	519000	103.8
Antimony		2000	1.1		2080	104.0	-0.10		2110	105.5
Arsenic		2000	-0.10		2140	107.0	1.2		2150	107.5
Barium		500	-0.40		509	101.8	-0.70		493	98.6
Beryllium		500	0.0		478	95.6	0.0		476	95.2
Boron		1000	2.2		1030	103.0	0.90		1020	102.0
Cadmium		1000	0.20		1040	104.0	0.30		1030	103.0
Calcium	500000	500000	447000	89.4	453000	90.6	447000	89.4	441000	88.2
Chromium		500	-0.50		483	96.6	-1.0		485	97.0
Cobalt		500	1.5		470	94.0	1.0		468	93.6
Copper		500	-0.50		537	107.4	0.90		524	104.8
Gold		500	3.0		505	101.0	1.7		485	97.0
Iron	200000	200000	181000	90.5	181000	90.5	185000	92.5	182000	91.0
Lead		1000	0.0		922	92.2	1.2		928	92.8
Magnesium	500000	500000	525000	105.0	532000	106.4	540000	108.0	537000	107.4
Manganese		500	0.10		491	98.2	0.10		480	96.0
Molybdenum		1000	0.60		943	94.3	-0.30		945	94.5
Nickel		1000	0.90		884	88.4	0.70		906	90.6
Palladium		500	-38		556	111.2	-44		537	107.4
Platinum		500	-26		498	99.6	-29		480	96.0
Potassium			-71		-26		-45		-71	
Selenium		2000	-1.5		2020	101.0	1.8		2050	102.5
Silicon		2000	48.9		2320	116.0	50.9		2380	119.0
Silver		1000	0.40		1040	104.0	0.70		987	98.7
Sodium			26.7		71.5		126		117	
Sulfur		500	120*		693	138.6	121*		684	136.8
Strontium		1000	-8.3		978	97.8	-8.4		944	94.4
Thallium		2000	1.8		1850	92.5	1.8		1830	91.5
Tin		1000	1.7		975	97.5	1.8		955	95.5
Titanium		500	5.4		516	103.2	5.7		493	98.6
Tungsten		2000	-40		2150	107.5	-38		2110	105.5
Vanadium		500	-1.7		511	102.2	-2.7		479	95.8
Zinc		1000	-0.30		907	90.7	0.20		904	90.4

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: SB012214M2.ICP Date Analyzed: 01/22/14 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA16683 Units: ug/l

Time: / Sample ID: / Metal								
Zirconium	500	4.2		362	72.4*	4.2		346	69.2*

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22400 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 01/21/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.018	.067	-0.020	<0.20

Associated samples MP22400: MC27769-1, MC27769-2, MC27769-3, MC27769-4, MC27769-6, MC27769-7, MC27769-8, MC27769-9, MC27769-10, MC27769-11, MC27769-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22400
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 01/21/14

Metal	MC27769-1 Original	MS	Spikelot HGRWS1	% Rec	QC Limits
Mercury	0.0	3.6	3	120.0	75-125

Associated samples MP22400: MC27769-1, MC27769-2, MC27769-3, MC27769-4, MC27769-6, MC27769-7, MC27769-8, MC27769-9, MC27769-10, MC27769-11, MC27769-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22400 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 01/21/14

Metal	MC27769-1 Original	MSD	Spikelot HGRWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	3.5	3	116.7	2.8	20

Associated samples MP22400: MC27769-1, MC27769-2, MC27769-3, MC27769-4, MC27769-6, MC27769-7, MC27769-8, MC27769-9, MC27769-10, MC27769-11, MC27769-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22400
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 01/21/14 01/21/14

Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	3.2	3	106.7	80-120	3.1	3	103.3	3.2	20

Associated samples MP22400: MC27769-1, MC27769-2, MC27769-3, MC27769-4, MC27769-6, MC27769-7, MC27769-8, MC27769-9, MC27769-10, MC27769-11, MC27769-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22403
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 01/21/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	6.1	40		
Antimony	6.0	1.1	1.9		
Arsenic	4.0	2.2	2.9	-1.9	<4.0
Barium	50	.19	.81	0.50	<50
Beryllium	4.0	.08	.25		
Boron	100	.81	1.4		
Cadmium	4.0	.22	.5	0.0	<4.0
Calcium	5000	8.5	38		
Chromium	10	.74	1.4	0.0	<10
Cobalt	50	.28	.4		
Copper	25	.86	7		
Gold	50	1.8	5		
Iron	100	4.4	20		
Lead	5.0	1.6	1.7	0.90	<5.0
Magnesium	5000	43	59		
Manganese	15	.17	.81		
Molybdenum	100	.4	.77		
Nickel	40	.45	.57		
Palladium	50	2	7.6		
Platinum	50	8.7	14		
Potassium	5000	24	160		
Selenium	10	1.4	4.8	-0.10	<10
Silicon	100	2.1	45		
Silver	5.0	.47	1	-0.30	<5.0
Sodium	5000	42	60		
Sulfur	50	2.9	8		
Strontium	10	.1	.26		
Thallium	5.0	1.7	1.9		
Tin	100	1.5	1.4		
Titanium	50	.48	1.8		
Tungsten	100	9.3	16		
Vanadium	10	.9	2.8		
Zinc	20	.91	.5		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22403 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal			
Zirconium	50	.76	2.2

Associated samples MP22403: MC27769-1, MC27769-2, MC27769-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22403
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 01/21/14

Metal	MC27769-2 Original	MS	Spikelot MPICP	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	0.0	543	500	108.6	75-125
Barium	699	2670	2000	98.6	75-125
Beryllium					
Boron					
Cadmium	0.0	524	500	104.8	75-125
Calcium					
Chromium	0.0	469	500	93.8	75-125
Cobalt					
Copper	anr				
Gold					
Iron	anr				
Lead	0.0	957	1000	95.7	75-125
Magnesium					
Manganese	anr				
Molybdenum					
Nickel	anr				
Palladium					
Platinum					
Potassium					
Selenium	0.0	211	500	42.2 (a)	75-125
Silicon					
Silver	0.0	212	200	106.0	75-125
Sodium					
Sulfur					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc	anr				

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22403 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal

Zirconium

Associated samples MP22403: MC27769-1, MC27769-2, MC27769-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.Post spike within acceptable range.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22403
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 01/21/14

Metal	MC27769-2 Original	MSD	Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	0.0	546	500	109.2	0.6	20
Barium	699	2690	2000	99.6	0.7	20
Beryllium						
Boron						
Cadmium	0.0	530	500	106.0	1.1	20
Calcium						
Chromium	0.0	477	500	95.4	1.7	20
Cobalt						
Copper	anr					
Gold						
Iron	anr					
Lead	0.0	968	1000	96.8	1.1	20
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Platinum						
Potassium						
Selenium	0.0	210	500	42.0 (a)	0.5	20
Silicon						
Silver	0.0	212	200	106.0	0.0	20
Sodium						
Sulfur						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc	anr					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22403
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Zirconium

Associated samples MP22403: MC27769-1, MC27769-2, MC27769-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike duplicate recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22403
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:		01/21/14				01/21/14			
Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum									
Antimony									
Arsenic	516	500	103.2	80-120	527	500	105.4	2.1	20
Barium	2030	2000	101.5	80-120	2010	2000	100.5	1.0	20
Beryllium									
Boron									
Cadmium	500	500	100.0	80-120	507	500	101.4	1.4	20
Calcium									
Chromium	481	500	96.2	80-120	484	500	96.8	0.6	20
Cobalt									
Copper	anr								
Gold									
Iron	anr								
Lead	975	1000	97.5	80-120	987	1000	98.7	1.2	20
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	487	500	97.4	80-120	496	500	99.2	1.8	20
Silicon									
Silver	201	200	100.5	80-120	199	200	99.5	1.0	20
Sodium									
Sulfur									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc	anr								

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22403
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal
Zirconium

Associated samples MP22403: MC27769-1, MC27769-2, MC27769-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22403
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 01/21/14

Metal	MC27769-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	0.00	0.00	NC	0-10
Barium	699	698	0.0	0-10
Beryllium				
Boron				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper	anr			
Gold				
Iron	anr			
Lead	0.00	0.00	NC	0-10
Magnesium				
Manganese	anr			
Molybdenum				
Nickel	anr			
Palladium				
Platinum				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc	anr			

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22403
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal
Zirconium

Associated samples MP22403: MC27769-1, MC27769-2, MC27769-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

POST DIGESTATE SPIKE SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22403
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 01/21/14

Metal	Sample ml	Final ml	MC27769-2 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Boron										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Gold										
Iron										
Lead										
Magnesium										
Manganese										
Molybdenum										
Nickel										
Palladium										
Platinum										
Potassium										
Selenium	10	10.1			18	.1	2	19.80198	90.9	80-120
Silicon										
Silver										
Sodium										
Sulfur										
Strontium										
Thallium										
Tin										
Titanium										
Tungsten										
Vanadium										
Zinc										

POST DIGESTATE SPIKE SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22403 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal
Zirconium

Associated samples MP22403: MC27769-1, MC27769-2, MC27769-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22410
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 01/22/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	6.1	40		
Antimony	6.0	1.1	1.9		
Arsenic	4.0	2.2	2.9	0.10	<4.0
Barium	50	.19	.81	0.10	<50
Beryllium	4.0	.08	.25		
Boron	100	.81	1.4		
Cadmium	4.0	.22	.5	0.10	<4.0
Calcium	5000	8.5	38		
Chromium	10	.74	1.4	-0.90	<10
Cobalt	50	.28	.4		
Copper	25	.86	7		
Gold	50	1.8	5		
Iron	100	4.4	20		
Lead	5.0	1.6	1.7	0.40	<5.0
Magnesium	5000	43	59		
Manganese	15	.17	.81		
Molybdenum	100	.4	.77		
Nickel	40	.45	.57		
Palladium	50	2	7.6		
Platinum	50	8.7	14		
Potassium	5000	24	160		
Selenium	10	1.4	4.8	1.4	<10
Silicon	100	2.1	45		
Silver	5.0	.47	1	0.0	<5.0
Sodium	5000	42	60		
Sulfur	50	2.9	8		
Strontium	10	.1	.26		
Thallium	5.0	1.7	1.9		
Tin	100	1.5	1.4		
Titanium	50	.48	1.8		
Tungsten	100	9.3	16		
Vanadium	10	.9	2.8		
Zinc	20	.91	.5		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22410 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal			
Zirconium	50	.76	2.2

Associated samples MP22410: MC27769-4, MC27769-6, MC27769-7, MC27769-8, MC27769-9, MC27769-10, MC27769-11, MC27769-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22410
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 01/22/14

Metal	MC27747-7 Original	MS	Spikelot MPICP	% Rec	QC Limits
Aluminum					
Antimony	anr				
Arsenic	0.0	540	500	108.0	75-125
Barium	144	2190	2000	102.3	75-125
Beryllium	anr				
Boron					
Cadmium	0.0	518	500	103.6	75-125
Calcium					
Chromium	0.0	499	500	99.8	75-125
Cobalt					
Copper	anr				
Gold					
Iron	anr				
Lead	0.0	991	1000	99.1	75-125
Magnesium					
Manganese	anr				
Molybdenum					
Nickel	anr				
Palladium					
Platinum					
Potassium					
Selenium	3.0	507	500	100.8	75-125
Silicon					
Silver	0.0	203	200	101.5	75-125
Sodium					
Sulfur					
Strontium					
Thallium	anr				
Tin					
Titanium					
Tungsten					
Vanadium	anr				
Zinc	anr				

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22410
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Zirconium

Associated samples MP22410: MC27769-4, MC27769-6, MC27769-7, MC27769-8, MC27769-9, MC27769-10, MC27769-11, MC27769-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22410
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 01/22/14

Metal	MC27747-7 Original	MSD	Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	anr					
Arsenic	0.0	543	500	108.6	0.6	20
Barium	144	2200	2000	102.8	0.5	20
Beryllium	anr					
Boron						
Cadmium	0.0	520	500	104.0	0.4	20
Calcium						
Chromium	0.0	503	500	100.6	0.8	20
Cobalt						
Copper	anr					
Gold						
Iron	anr					
Lead	0.0	998	1000	99.8	0.7	20
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Platinum						
Potassium						
Selenium	3.0	512	500	101.8	1.0	20
Silicon						
Silver	0.0	205	200	102.5	1.0	20
Sodium						
Sulfur						
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22410
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Zirconium

Associated samples MP22410: MC27769-4, MC27769-6, MC27769-7, MC27769-8, MC27769-9, MC27769-10, MC27769-11, MC27769-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22410
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:		01/22/14				01/22/14			
Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum									
Antimony	anr								
Arsenic	532	500	106.4	80-120	536	500	107.2	0.7	20
Barium	2060	2000	103.0	80-120	2030	2000	101.5	1.5	20
Beryllium	anr								
Boron									
Cadmium	511	500	102.2	80-120	510	500	102.0	0.2	20
Calcium									
Chromium	500	500	100.0	80-120	504	500	100.8	0.8	20
Cobalt									
Copper	anr								
Gold									
Iron	anr								
Lead	996	1000	99.6	80-120	1010	1000	101.0	1.4	20
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	504	500	100.8	80-120	511	500	102.2	1.4	20
Silicon									
Silver	199	200	99.5	80-120	196	200	98.0	1.5	20
Sodium									
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22410
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal
Zirconium

Associated samples MP22410: MC27769-4, MC27769-6, MC27769-7, MC27769-8, MC27769-9, MC27769-10, MC27769-11, MC27769-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22410
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 01/22/14

Metal	MC27747-7 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	0.00	0.00	NC	0-10
Barium	144	145	0.7	0-10
Beryllium	anr			
Boron				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper	anr			
Gold				
Iron	anr			
Lead	0.00	0.00	NC	0-10
Magnesium				
Manganese	anr			
Molybdenum				
Nickel	anr			
Palladium				
Platinum				
Potassium				
Selenium	3.00	0.00	100.0(a)	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium				
Sulfur				
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

QC Batch ID: MP22410
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Zirconium

Associated samples MP22410: MC27769-4, MC27769-6, MC27769-7, MC27769-8, MC27769-9, MC27769-10, MC27769-11, MC27769-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

New England ACCUTEST LABORATORIES

Metals Analysis

Raw Data

Folder: #HG21 **PUBLIC FOLDER ** Page 1
Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1882	11:18:47 21 Jan 14	HG		
Hg	.000	ppb	33					
*** Standard: 2 Rep: 1				Seq: 1883	11:21:12 21 Jan 14	HG		
Hg	.200	ppb	980					
*** Standard: 3 Rep: 1				Seq: 1884	11:24:04 21 Jan 14	HG		
Hg	.500	ppb	2470					
*** Standard: 4 Rep: 1				Seq: 1885	11:28:22 21 Jan 14	HG		
Hg	1.00	ppb	4851					
*** Standard: 5 Rep: 1				Seq: 1886	11:31:00 21 Jan 14	HG		
Hg	2.00	ppb	9543					
*** Standard: 6 Rep: 1				Seq: 1887	11:33:23 21 Jan 14	HG		
Hg	3.00	ppb	14573					
*** Standard: 7 Rep: 1				Seq: 1888	11:36:01 21 Jan 14	HG		
Hg	4.00	ppb	18883					
*** Standard: 8 Rep: 1				Seq: 1889	11:38:24 21 Jan 14	HG		
Hg	5.00	ppb	23879					
*** Standard: 9 Rep: 1				Seq: 1890	11:41:01 21 Jan 14	HG		
Hg	6.00	ppb	28296					
*** Sample ID: ICV			H2012114W1	Seq: 1891	11:43:56 21 Jan 14	HG		
Hg	3.90	ppb	.000	3.90				
*** Sample ID: ICB			H2012114W1	Seq: 1892	11:46:49 21 Jan 14	HG		
Hg	-.030	ppb	.000	-.030				

9.1

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCV		H2012114W1 Seq: 1893	11:49:21 21 Jan 14	HG				
Hg	2.99	ppb	.000	2.99				
*** Sample ID: CCB		H2012114W1 Seq: 1894	11:52:14 21 Jan 14	HG				
Hg	-.033	ppb	.000	-.033				
*** Sample ID: CRI		H2012114W1 Seq: 1895	11:54:37 21 Jan 14	HG				
Hg	.166	ppb	.000	.166				
*** Sample ID: MP22400MB1		H2012114W1 Seq: 1896	11:57:31 21 Jan 14	HG				
Hg	-.020	ppb	.000	-.020				
*** Sample ID: MP22400-B1		H2012114W1 Seq: 1897	12:00:04 21 Jan 14	HG				
Hg	3.18	ppb	.000	3.18				
*** Sample ID: MP22400-B2		H2012114W1 Seq: 1898	12:02:37 21 Jan 14	HG				
Hg	3.11	ppb	.000	3.11				
*** Sample ID: MP22400-S1		H2012114W1 Seq: 1899	12:05:12 21 Jan 14	HG				
		MC27769-1						
Hg	3.61	ppb	.000	3.61				
*** Sample ID: MP22400-S2		H2012114W1 Seq: 1900	12:07:35 21 Jan 14	HG				
		MC27769-1						
Hg	3.49	ppb	.000	3.49				
*** Sample ID: MC27769-1		H2012114W1 Seq: 1901	12:10:09 21 Jan 14	HG				
Hg	-.038	ppb	.000	-.038				
*** Sample ID: MC27690-1		H2012114W1 Seq: 1902	12:12:30 21 Jan 14	HG				
Hg	.041	ppb	.000	.041				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: MC27697-3 H2012114W1 Seq: 1903 12:14:53 21 Jan 14 HG									
Hg	-.014	ppb	.000	-.014					=
*** Sample ID: MC27699-1 H2012114W1 Seq: 1904 12:17:28 21 Jan 14 HG									
Hg	-.020	ppb	.000	-.020					=
*** Sample ID: CCV H2012114W1 Seq: 1905 12:19:52 21 Jan 14 HG									
Hg	3.04	ppb	.000	3.04					=
*** Sample ID: CCB H2012114W1 Seq: 1906 12:22:36 21 Jan 14 HG									
Hg	-.029	ppb	.000	-.029					=
*** Sample ID: MC27714-1 H2012114W1 Seq: 1907 12:25:30 21 Jan 14 HG									
Hg	.562	ppb	.000	.562					=
*** Sample ID: MC27769-6 H2012114W1 Seq: 1908 12:27:51 21 Jan 14 HG									
Hg	-.029	ppb	.000	-.029					=
*** Sample ID: MC27699-2 H2012114W1 Seq: 1909 12:30:19 21 Jan 14 HG									
Hg	-.014	ppb	.000	-.014					=
*** Sample ID: MC27699-5 H2012114W1 Seq: 1910 12:32:42 21 Jan 14 HG									
Hg	-.010	ppb	.000	-.010					=
*** Sample ID: MC27753-3 H2012114W1 Seq: 1911 12:35:05 21 Jan 14 HG									
Hg	-.012	ppb	.000	-.012					=
*** Sample ID: MC27753-14 H2012114W1 Seq: 1912 12:37:48 21 Jan 14 HG									
Hg	.008	ppb	.000	.008					=

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC27754-3 H2012114W1 Seq: 1913 12:40:25 21 Jan 14 HG								
Hg	-.021	ppb	.000	-.021				
*** Sample ID: MC27769-2 H2012114W1 Seq: 1914 12:42:57 21 Jan 14 HG								
Hg	-.021	ppb	.000	-.021				
*** Sample ID: MC27769-3 H2012114W1 Seq: 1915 12:45:38 21 Jan 14 HG								
Hg	-.020	ppb	.000	-.020				
*** Sample ID: MC27769-4 H2012114W1 Seq: 1916 12:48:22 21 Jan 14 HG								
Hg	-.022	ppb	.000	-.022				
*** Sample ID: CCV H2012114W1 Seq: 1917 12:51:05 21 Jan 14 HG								
Hg	2.97	ppb	.000	2.97				
*** Sample ID: CCB H2012114W1 Seq: 1918 12:53:27 21 Jan 14 HG								
Hg	-.061	ppb	.000	-.061				
*** Sample ID: MC27769-7 H2012114W1 Seq: 1919 12:55:50 21 Jan 14 HG								
Hg	-.020	ppb	.000	-.020				
*** Sample ID: MC27769-8 H2012114W1 Seq: 1920 12:58:24 21 Jan 14 HG								
Hg	-.020	ppb	.000	-.020				
*** Sample ID: MC27769-9 H2012114W1 Seq: 1921 13:00:47 21 Jan 14 HG								
Hg	-.017	ppb	.000	-.017				
*** Sample ID: MC27769-10 H2012114W1 Seq: 1922 13:03:22 21 Jan 14 HG								
Hg	-.024	ppb	.000	-.024				

Protocol:
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC27769-11 H2012114W1 Seq: 1923 13:05:58 21 Jan 14 HG								
Hg	-.024	ppb	.000	-.024				
*** Sample ID: MC27769-12 H2012114W1 Seq: 1924 13:08:20 21 Jan 14 HG								
Hg	-.014	ppb	.000	-.014				
*** Sample ID: CRI H2012114W1 Seq: 1925 13:11:02 21 Jan 14 HG								
Hg	.168	ppb	.000	.168				
*** Sample ID: CCV H2012114W1 Seq: 1926 13:13:45 21 Jan 14 HG								
Hg	2.95	ppb	.000	2.95				
*** Sample ID: CCB H2012114W1 Seq: 1927 13:16:07 21 Jan 14 HG								
Hg	-.049	ppb	.000	-.049				

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 1/21/2014 14:30:11 Type: Cal
Method: Accutest -SS2 with S(v308) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0014	.0001	-.0002	-.0001	.0019	.0854	.0003	.0041	.0034
Stddev	.0000	.0000	.0000	.0001	.0002	.0000	.0002	.0001	.0001
%RSD	.5967	31.50	1.927	42.73	7.848	.0539	59.18	2.172	1.955
#1	-.0014	.0001	-.0002	-.0001	.0021	.0853	.0004	.0041	.0033
#2	-.0014	.0002	-.0002	-.0002	.0018	.0854	.0002	.0042	.0034

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0014	.0001	.0037	.0005	.0003	-.0001	.0005	.0020	-.0012
Stddev	.0002	.0000	.0001	.0002	.0009	.0001	.0001	.0004	.0004
%RSD	16.97	28.02	3.363	37.66	314.9	95.37	16.59	20.08	30.45
#1	-.0012	.0001	.0036	.0003	-.0003	.0000	.0005	.0023	-.0015
#2	-.0015	.0001	.0038	.0006	.0009	-.0001	.0004	.0017	-.0010

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0022	-.0022	-.0004	.0001	.0014	.0004	.0008	.0214	.0002
Stddev	.0000	.0000	.0000	.0001	.0002	.0004	.0001	.0002	.0001
%RSD	1.940	1.516	10.25	85.15	11.49	102.3	13.79	.7665	58.12
#1	-.0022	-.0022	-.0004	.0000	.0015	.0001	.0007	.0215	.0002
#2	-.0023	-.0023	-.0004	.0002	.0013	.0006	.0008	.0213	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0054	-.0005	-.0023	.0002	.0001	.0002	.0199
Stddev	.0001	.0001	.0000	.0000	.0000	.0001	.0001
%RSD	1.150	23.18	.8309	15.25	21.52	30.65	.2706
#1	.0054	-.0004	-.0023	.0002	.0001	.0002	.0199
#2	.0053	-.0006	-.0023	.0002	.0001	.0002	.0198

◀ Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 1/21/2014 14:30:11 Type: Cal
Method: Accutest -SS2 with S(v308) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1283.9	50357.	17701.
Stddev	.9	52.	70.
%RSD	.07082	.10384	.39293
#1	1284.5	50394.	17751.
#2	1283.2	50320.	17652.

◀ Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 1/21/2014 14:35:08 Type: Cal
Method: Accutest -SS2 with S(v308) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1483	.5847	2.580	17.42	13.72	11.19	8.801	.5085	2.297	4.496
Stddev	.0009	.0006	.004	.07	.01	.02	.009	.0010	.000	.011
%RSD	.6269	.1107	.1652	.3774	.0624	.1392	.0989	.2038	.0096	.2400
#1	.1476	.5851	2.583	17.47	13.72	11.20	8.807	.5077	2.297	4.489
#2	.1490	.5842	2.577	17.38	13.71	11.18	8.795	.5092	2.297	4.504

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8.233	6.498	2.657	1.904	.9135	1.133	7.639
Stddev	.001	.012	.008	.004	.0009	.002	.018
%RSD	.0149	.1908	.2871	.2042	.0994	.1878	.2423
#1	8.234	6.506	2.663	1.906	.9141	1.135	7.652
#2	8.232	6.489	2.652	1.901	.9128	1.132	7.626

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1273.2	49950.	17724.
Stddev	.3	241.	70.
%RSD	.02261	.48346	.39280
#1	1273.0	50121.	17773.
#2	1273.4	49780.	17674.

◀ Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 1/21/2014 14:40:00 Type: Cal
Method: Accutest -SS2 with S(v308) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.423	1.701	1.285	.6866	.1170	2.975
Stddev	.002	.004	.002	.0003	.0001	.000
%RSD	.1145	.2348	.1205	.0429	.0940	.0082
#1	1.424	1.698	1.283	.6864	.1171	2.975
#2	1.422	1.704	1.286	.6869	.1170	2.975

Int. Std.	Y_3710
Units	Cts/S
Avg	17934.
Stddev	32.
%RSD	.18030
#1	17956.
#2	17911.

Zoom In Zoom Out

Sample Name: Std4 Acquired: 1/21/2014 14:44:57 Type: Cal
Method: Accutest -SS2 with S(v308) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	S_1820	Si2124	Sn1899	Sr4077	Ti3349	V_2924	W_2397
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2337	.5198	.0744	.7028	2.390	1.425	27.77	1.222	.9122	.0484
Stddev	.0001	.0010	.0001	.0005	.003	.000	.51	.003	.0026	.0001
%RSD	.0461	.1918	.1692	.0780	.1191	.0213	1.843	.2401	.2872	.1307
#1	.2338	.5205	.0745	.7024	2.392	1.424	27.41	1.224	.9141	.0485
#2	.2337	.5191	.0743	.7032	2.388	1.425	28.13	1.219	.9104	.0484

Elem	Zr3391
Units	Cts/S
Avg	2.934
Stddev	.003
%RSD	.1087
#1	2.937
#2	2.932

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1289.7	50005.	17776.
Stddev	.4	196.	124.
%RSD	.02781	.39113	.69927
#1	1290.0	49867.	17864.
#2	1289.5	50143.	17688.

Zoom In Zoom Out

Sample Name: ICV Acquired: 1/21/2014 15:08:10 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.4860	15.18	2.979	2.974	3.003	3.023	2.931	17.45	2.912	2.818
Stddev	.0004	.01	.001	.005	.002	.002	.007	.05	.001	.002
%RSD	.0917	.0597	.0328	.1783	.0689	.0652	.2239	.2805	.0259	.0705
#1	.4856	15.18	2.978	2.978	3.002	3.022	2.926	17.42	2.912	2.817
#2	.4863	15.17	2.980	2.970	3.005	3.024	2.936	17.48	2.913	2.820

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.872	2.895	17.58	15.29	18.10	2.900	2.785	14.82	2.803	2.863
Stddev	.005	.002	.03	.00	.02	.004	.006	.04	.004	.001
%RSD	.1613	.0672	.1664	.0140	.1073	.1330	.2226	.2797	.1257	.0215
#1	2.875	2.893	17.56	15.29	18.09	2.903	2.781	14.79	2.801	2.863
#2	2.868	2.896	17.60	15.28	18.12	2.897	2.790	14.85	2.806	2.864

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	3.201	2.997	3.374	2.914	2.928	3.102	2.903	3.032	2.953	2.885
Stddev	.008	.009	.004	.001	.002	.001	.000	.026	.002	.002
%RSD	.2474	.3067	.1164	.0427	.0580	.0400	.0066	.8646	.0492	.0531
#1	3.195	2.991	3.372	2.915	2.927	3.103	2.903	3.051	2.954	2.884
#2	3.206	3.004	3.377	2.913	2.929	3.101	2.903	3.013	2.952	2.887

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	2.924	3.278	2.842	2.886
Stddev	.004	.015	.000	.001
%RSD	.1455	.4437	.0114	.0192
#1	2.927	3.268	2.842	2.886
#2	2.921	3.288	2.842	2.887

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1287.0	50179.	17973.
Stddev	.7	201.	22.
%RSD	.05443	.40035	.12143
#1	1286.5	50037.	17989.
#2	1287.5	50321.	17958.

Zoom In Zoom Out

Sample Name: ICB Acquired: 1/21/2014 15:14:21 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	.0037	.0004	.0016	.0026	.0002	.0004	.0017	.0003	.0003
Stddev	.0002	.0017	.0004	.0019	.0002	.0001	.0000	.0004	.0001	.0000
%RSD	52.33	45.81	99.37	119.1	8.172	85.77	3.914	26.02	34.89	15.50
#1	-.0005	.0025	.0007	.0003	.0027	.0001	.0004	.0014	.0004	.0002
#2	-.0002	.0049	.0001	.0029	.0024	.0003	.0004	.0020	.0003	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0001	.0028	.0079	.0059	.0004	.0027	.0020	.0002	.0003
Stddev	.0001	.0001	.0021	.0041	.0162	.0000	.0002	.0005	.0001	.0010
%RSD	52.21	86.37	72.39	51.96	272.4	4.076	8.859	24.82	62.95	286.7
#1	.0001	.0002	.0014	.0108	-.0055	.0003	.0029	.0024	.0001	.0010
#2	.0003	.0001	.0043	.0050	.0174	.0004	.0026	.0017	.0003	-.0004

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0020	-.0022	.0012	-.0005	-.0001	-.0010	.0006	.0003	.0005	.0004
Stddev	.0005	.0002	.0009	.0003	.0000	.0004	.0001	.0001	.0004	.0013
%RSD	27.47	10.05	74.86	56.28	25.13	39.03	21.23	17.99	73.71	328.9
#1	.0023	-.0020	.0006	-.0007	-.0001	-.0007	.0005	.0003	.0008	.0013
#2	.0016	-.0023	.0019	-.0003	-.0001	-.0012	.0007	.0004	.0003	-.0005

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0002	.0019	.0002	.0010
Stddev	.0003	.0036	.0001	.0004
%RSD	185.7	196.6	38.75	41.89
#1	.0000	.0044	.0002	.0014
#2	.0004	-.0007	.0003	.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1298.8	51042.	17883.
Stddev	1.1	358.	61.
%RSD	.08250	.70132	.33993
#1	1298.1	50789.	17840.
#2	1299.6	51295.	17926.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/21/2014 15:19:09 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2433	9.755	1.916	-.0014	1.922	1.932	1.935	9.846	1.929	1.913
Stddev	.0002	.037	.001	.0010	.000	.004	.003	.035	.002	.002
%RSD	.0647	.3837	.0426	69.56	.0068	.2133	.1752	.3512	.0972	.1076
#1	.2432	9.729	1.916	-.0007	1.922	1.929	1.937	9.870	1.927	1.911
#2	.2434	9.782	1.917	-.0021	1.922	1.935	1.932	9.821	1.930	1.914

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.899	1.911	9.822	9.705	9.701	1.922	1.923	9.779	1.904	1.911
Stddev	.003	.006	.018	.056	.043	.004	.006	.036	.002	.005
%RSD	.1615	.3350	.1861	.5808	.4487	.1998	.3085	.3689	.1082	.2815
#1	1.897	1.906	9.835	9.665	9.732	1.919	1.919	9.753	1.903	1.907
#2	1.901	1.915	9.809	9.745	9.670	1.924	1.927	9.804	1.905	1.915

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0026	.0108	-.0015	1.932	1.912	-.0194	1.954	1.993	1.927	1.921
Stddev	.0001	.0023	.0008	.003	.004	.0007	.004	.003	.003	.004
%RSD	4.664	21.33	53.47	.1400	.2294	3.716	.1871	.1431	.1523	.2345
#1	-.0027	.0125	-.0020	1.930	1.915	-.0199	1.952	1.991	1.925	1.918
#2	-.0025	.0092	-.0009	1.934	1.908	-.0189	1.957	1.995	1.929	1.924

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.930	.0161	1.915	.0178
Stddev	.005	.0005	.002	.0033
%RSD	.2505	3.235	.0900	18.48
#1	1.927	.0164	1.914	.0201
#2	1.934	.0157	1.916	.0155

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1294.8	50634.	17996.
Stddev	.1	151.	92.
%RSD	.00923	.29805	.51083
#1	1294.9	50741.	17931.
#2	1294.8	50528.	18061.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/21/2014 15:24:30 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	.0037	.0009	.0003	.0024	.0002	.0003	-.0007	.0003	.0004
Stddev	.0002	.0005	.0009	.0003	.0003	.0001	.0001	.0022	.0000	.0001
%RSD	42.54	12.55	104.4	98.11	11.84	26.06	31.54	307.3	7.840	19.39
#1	-.0006	.0040	.0002	.0006	.0026	.0002	.0002	-.0023	.0004	.0005
#2	-.0003	.0034	.0015	.0001	.0022	.0002	.0003	.0008	.0003	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0005	-.0002	-.0003	.0165	.0127	.0004	.0024	.0056	.0005	.0011
Stddev	.0002	.0002	.0015	.0087	.0055	.0001	.0005	.0004	.0001	.0002
%RSD	42.59	99.29	452.4	52.73	43.56	15.54	21.66	7.984	30.12	20.12
#1	-.0007	-.0004	-.0014	.0103	.0088	.0003	.0028	.0059	.0004	.0009
#2	-.0004	-.0001	.0007	.0226	.0166	.0004	.0020	.0053	.0006	.0012

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0003	.0016	.0026	.0005	-.0008	-.0011	.0003	.0003	.0001	.0008
Stddev	.0003	.0030	.0018	.0003	.0007	.0005	.0003	.0001	.0001	.0005
%RSD	83.57	189.3	67.72	53.90	88.99	45.68	92.88	52.49	61.78	63.30
#1	-.0005	-.0005	.0014	.0003	-.0013	-.0007	.0005	.0002	.0001	.0004
#2	-.0001	.0037	.0039	.0007	-.0003	-.0014	.0001	.0004	.0002	.0011

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0001	-.0053	.0004	.0004
Stddev	.0004	.0036	.0001	.0001
%RSD	460.4	68.82	28.80	16.30
#1	-.0002	-.0027	.0005	.0004
#2	.0004	-.0079	.0003	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1297.8	50601.	17932.
Stddev	2.9	94.	51.
%RSD	.22559	.18543	.28692
#1	1299.9	50535.	17895.
#2	1295.8	50667.	17968.

Zoom In Zoom Out

Sample Name: CRI Acquired: 1/21/2014 15:29:27 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0047	.1907	F.0027	.0008	.1003	.0503	.0040	5.015	.0041
Stddev	.0004	.0114	.0006	.0009	.0007	.0001	.0001	.014	.0001
%RSD	7.959	5.987	20.75	107.8	.6815	.2740	1.386	.2761	2.416
#1	.0050	.1826	.0031	.0014	.0998	.0504	.0041	5.025	.0042
#2	.0045	.1987	.0023	.0002	.1008	.0502	.0040	5.005	.0041

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0496	.0093	.0233	.0989	5.002	4.974	.0148	.0999	5.021
Stddev	.0002	.0001	.0002	.0010	.018	.011	.0001	.0001	.010
%RSD	.3467	1.372	.8010	.9755	.3694	.2171	.7380	.1216	.1987
#1	.0494	.0094	.0234	.0996	4.989	4.982	.0147	.0998	5.014
#2	.0497	.0092	.0231	.0982	5.015	4.966	.0148	.1000	5.028

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0397	.0058	-.0001	-.0035	.0005	.0066	.0103	.0013	.0974
Stddev	.0004	.0004	.0003	.0028	.0003	.0005	.0000	.0007	.0003
%RSD	1.025	7.304	292.0	81.24	57.00	7.967	.3157	54.99	.2960
#1	.0394	.0055	-.0003	-.0054	.0003	.0070	.0103	.0008	.0972
#2	.0400	.0061	.0001	-.0015	.0006	.0062	.0103	.0018	.0976

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0100	.0503	.0041	.0095	.0025	.0202	.0004
Stddev	.0000	.0004	.0003	.0000	.0034	.0000	.0000
%RSD	.1300	.8393	7.450	.1254	135.8	.1578	6.276
#1	.0100	.0500	.0038	.0095	.0049	.0202	.0004
#2	.0100	.0506	.0043	.0095	.0001	.0202	.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1295.9	50272.	17911.
Stddev	1.9	6.	103.
%RSD	.14358	.01281	.57542
#1	1294.6	50277.	17838.
#2	1297.2	50268.	17984.

Zoom In Zoom Out

Sample Name: CRI Acquired: 1/21/2014 15:34:37 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0049	.1932	.0037	-.0005	.0987	.0496	.0040	4.957	.0040	.0488
Stddev	.0001	.0062	.0001	.0001	.0000	.0001	.0000	.008	.0002	.0000
%RSD	2.780	3.220	3.756	28.27	.0206	.2292	.6132	.1638	4.818	.0946
#1	.0050	.1888	.0038	-.0004	.0987	.0495	.0039	4.963	.0039	.0488
#2	.0048	.1976	.0036	-.0006	.0987	.0497	.0040	4.951	.0041	.0488

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0085	.0226	.0975	4.944	4.927	.0146	.0985	4.975	.0391	.0047
Stddev	.0003	.0002	.0010	.018	.052	.0000	.0002	.016	.0001	.0004
%RSD	3.516	1.062	1.007	.3648	1.058	.1495	.1998	.3155	.2838	7.934
#1	.0083	.0225	.0982	4.931	4.964	.0146	.0984	4.964	.0392	.0049
#2	.0087	.0228	.0968	4.956	4.890	.0146	.0987	4.986	.0391	.0044

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0002	-.0039	.0020	.0064	.0101	.0009	.0954	.0099	.0495	.0041
Stddev	.0010	.0002	.0000	.0004	.0016	.0001	.0003	.0001	.0003	.0008
%RSD	492.0	4.340	1.346	6.254	15.61	6.442	.3633	1.206	.6528	18.93
#1	-.0005	-.0038	.0020	.0061	.0090	.0010	.0956	.0098	.0493	.0036
#2	.0009	-.0040	.0020	.0066	.0112	.0009	.0951	.0100	.0498	.0047

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0099	-.0003	.0197	.0005
Stddev	.0003	.0012	.0000	.0004
%RSD	3.081	377.2	.0574	94.23
#1	.0101	.0005	.0197	.0008
#2	.0096	-.0011	.0197	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1299.0	50458.	17927.
Stddev	.1	287.	10.
%RSD	.00990	.56806	.05731
#1	1299.1	50256.	17920.
#2	1298.9	50661.	17935.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 1/21/2014 15:39:31 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	509.9	-.0008	.0016	.0007	-.0009	.0000	445.9	.0002	.0013
Stddev	.0003	22.3	.0026	.0001	.0006	.0000	.0000	8.6	.0002	.0001
%RSD	344.2	4.375	321.6	4.723	89.82	1.097	239.2	1.922	74.05	9.647
#1	-.0003	494.1	-.0027	.0017	.0003	-.0009	.0000	439.8	.0003	.0014
#2	.0001	525.6	.0010	.0016	.0012	-.0009	.0000	451.9	.0001	.0012

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0006	.0000	174.7	-.0334	515.9	.0001	-.0008	.0303	.0003	.0002
Stddev	.0007	.0003	5.0	.0020	14.3	.0004	.0000	.0063	.0001	.0000
%RSD	120.6	2108.	2.855	6.032	2.770	313.3	2.804	20.91	34.11	10.25
#1	-.0011	-.0002	171.2	-.0348	505.8	.0004	-.0008	.0258	.0004	.0002
#2	-.0001	.0002	178.2	-.0320	526.0	-.0001	-.0008	.0347	.0003	.0002

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0444	-.0317	.1248	-.0005	-.0020	.0537	.0028	-.0074	.0059	.0022
Stddev	.0008	.0001	.0022	.0001	.0001	.0029	.0003	.0001	.0003	.0015
%RSD	1.770	.2372	1.791	22.42	4.070	5.464	10.18	1.833	4.457	70.04
#1	-.0450	-.0317	.1232	-.0006	-.0020	.0516	.0030	-.0073	.0060	.0033
#2	-.0438	-.0316	.1264	-.0004	-.0021	.0558	.0026	-.0075	.0057	.0011

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0014	-.0265	.0003	.0051
Stddev	.0002	.0083	.0005	.0002
%RSD	13.64	31.14	156.6	3.962
#1	.0013	-.0207	.0000	.0052
#2	.0015	-.0324	.0007	.0049

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1186.6	46534.	17684.
Stddev	2.3	56.	337.
%RSD	.19770	.12095	1.9038
#1	1188.2	46494.	17922.
#2	1184.9	46574.	17446.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 1/21/2014 15:44:31 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.059	522.7	2.118	.5030	1.023	.4984	.4611	454.6	1.036	.4624
Stddev	.003	4.9	.006	.0013	.004	.0022	.0018	3.6	.004	.0017
%RSD	.2620	.9387	.3008	.2637	.4180	.4479	.3816	.7894	.4277	.3622
#1	1.057	526.2	2.113	.5040	1.020	.5000	.4623	457.1	1.032	.4612
#2	1.061	519.2	2.122	.5021	1.026	.4968	.4598	452.0	1.039	.4636

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4615	.5310	178.7	-.0422	528.1	.4834	.9314	.0301	.8582	.9127
Stddev	.0045	.0011	.7	.0254	1.7	.0002	.0065	.0010	.0034	.0042
%RSD	.9776	.2121	.4075	60.14	.3301	.0433	.6969	3.289	.3911	.4631
#1	.4647	.5302	179.2	-.0242	529.3	.4836	.9268	.0294	.8558	.9097
#2	.4583	.5318	178.2	-.0601	526.9	.4833	.9360	.0308	.8606	.9156

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.5445	.4867	.6933	2.067	1.995	2.300	.9622	.9645	.5077	1.836
Stddev	.0014	.0043	.0008	.012	.015	.010	.0052	.0047	.0001	.010
%RSD	.2540	.8795	.1216	.5942	.7334	.4486	.5358	.4833	.0149	.5661
#1	.5435	.4837	.6927	2.058	1.984	2.293	.9585	.9678	.5076	1.829
#2	.5455	.4897	.6939	2.076	2.005	2.307	.9658	.9612	.5077	1.843

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5032	2.133	.8995	.3629
Stddev	.0005	.007	.0044	.0039
%RSD	.1073	.3273	.4888	1.072
#1	.5035	2.128	.8964	.3601
#2	.5028	2.138	.9026	.3656

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1177.7	46646.	17542.
Stddev	3.5	96.	23.
%RSD	.29790	.20643	.13262
#1	1180.1	46578.	17526.
#2	1175.2	46714.	17558.

Zoom In Zoom Out

Sample Name: MP22403-B1 Acquired: 1/21/2014 15:49:22 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2007	2.155	.5159	.0006	.0024	2.026	.4930	24.40	.5001	.4829
Stddev	.0000	.034	.0044	.0015	.0001	.011	.0016	.02	.0057	.0060
%RSD	.0204	1.582	.8576	252.0	3.119	.5559	.3189	.0830	1.141	1.245
#1	.2007	2.179	.5128	-.0005	.0024	2.018	.4919	24.42	.4961	.4786
#2	.2007	2.131	.5191	.0016	.0025	2.034	.4941	24.39	.5041	.4871

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4811	.4810	2.034	25.11	25.51	.4876	.0015	25.10	.4691	.9745
Stddev	.0015	.0004	.012	.18	.05	.0003	.0006	.10	.0061	.0117
%RSD	.3134	.0747	.5639	.7245	.2068	.0640	43.24	.4054	1.292	1.204
#1	.4800	.4808	2.042	24.99	25.55	.4874	.0019	25.03	.4649	.9662
#2	.4821	.4813	2.026	25.24	25.47	.4878	.0010	25.17	.4734	.9828

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0004	.0007	.0076	.4967	.4868	.0254	-.0015	.4933	.4957	.4802
Stddev	.0000	.0012	.0002	.0062	.0066	.0016	.0005	.0020	.0005	.0035
%RSD	.0700	166.0	2.717	1.246	1.364	6.114	31.83	.4022	.0998	.7252
#1	-.0004	-.0001	.0077	.4924	.4821	.0243	-.0012	.4919	.4961	.4778
#2	-.0004	.0016	.0074	.5011	.4915	.0265	-.0019	.4947	.4954	.4827

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5134	.0146	.5026	.0587
Stddev	.0009	.0016	.0071	.0056
%RSD	.1817	10.99	1.421	9.475
#1	.5140	.0157	.4975	.0627
#2	.5127	.0135	.5076	.0548

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1283.5	49813.	17830.
Stddev	11.3	111.	63.
%RSD	.88156	.22237	.35169
#1	1291.5	49891.	17785.
#2	1275.5	49735.	17874.

Zoom In Zoom Out

Sample Name: MP22403-MB1 Acquired: 1/21/2014 15:54:08 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	.0189	-.0019	-.0002	.0002	.0005	.0000	.0351	.0000	-.0004
Stddev	.0002	.0059	.0018	.0000	.0002	.0001	.0000	.0092	.0001	.0000
%RSD	54.15	30.96	91.42	9.073	96.69	10.13	13.16	26.05	383.6	6.426
#1	-.0004	.0231	-.0007	-.0002	.0004	.0006	.0000	.0416	.0000	-.0005
#2	-.0002	.0148	-.0032	-.0002	.0001	.0005	.0000	.0287	.0001	-.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	-.0009	.0081	.0477	.0181	.0000	-.0001	.0297	-.0004	.0009
Stddev	.0002	.0001	.0057	.0096	.0282	.000	.0002	.0047	.0002	.0009
%RSD	8910.	12.60	69.81	20.18	155.8	95.33	202.5	15.76	42.79	104.2
#1	.0002	-.0008	.0121	.0545	.0380	.0000	.0000	.0330	-.0002	.0015
#2	-.0001	-.0010	.0041	.0409	-.0018	.0000	-.0002	.0264	-.0005	.0002

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0015	-.0033	.0064	.0009	-.0001	.0289	-.0008	.0000	.0001	-.0021
Stddev	.0014	.0017	.0006	.0004	.0006	.0001	.0001	.0000	.0001	.0000
%RSD	94.79	52.96	9.873	44.99	411.1	.3265	9.386	27.40	130.2	2.345
#1	-.0025	-.0020	.0060	.0006	.0003	.0290	-.0008	.0000	.0000	-.0021
#2	-.0005	-.0045	.0069	.0011	-.0005	.0289	-.0009	.0001	.0002	-.0022

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0001	.0029	.0015	.0002
Stddev	.0002	.0067	.0000	.0002
%RSD	178.1	235.1	2.581	98.86
#1	.0000	-.0019	.0015	.0000
#2	.0003	.0076	.0015	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1286.8	50569.	18025.
Stddev	.2	159.	32.
%RSD	.01538	.31485	.17738
#1	1286.9	50682.	18047.
#2	1286.6	50457.	18002.

Zoom In Zoom Out

Sample Name: MP22403-S1 Acquired: 1/21/2014 15:59:03 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2118	2.161	.5426	-.0015	.1808	2.669	.4916	94.46	.5240
Stddev	.0000	.009	.0008	.0015	.0006	.004	.0013	.27	.0013
%RSD	.0078	.4171	.1439	101.0	.3537	.1486	.2630	.2819	.2410
#1	.2118	2.154	.5432	-.0004	.1813	2.666	.4907	94.27	.5249
#2	.2118	2.167	.5421	-.0025	.1804	2.671	.4925	94.65	.5231

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.4774	.4692	.5030	3.091	36.07	47.24	.7577	.0009	F910.4
Stddev	.0011	.0016	.0005	.007	.04	.14	.0026	.0002	3.5
%RSD	.2268	.3462	.1047	.2337	.1173	.2934	.3369	19.04	.3871
#1	.4781	.4704	.5034	3.086	36.04	47.14	.7595	.0010	907.9
#2	.4766	.4681	.5026	3.096	36.10	47.34	.7559	.0008	912.9

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4582	.9568	-.0037	-.0002	F48.20	.5133	.2108	7.857	-.0023
Stddev	.0012	.0025	.0002	.0001	.11	.0018	.0009	.014	.0005
%RSD	.2636	.2566	4.763	83.54	.2220	.3532	.4435	.1736	21.67
#1	.4590	.9585	-.0038	-.0001	48.28	.5146	.2114	7.866	-.0026
#2	.4573	.9550	-.0036	-.0003	48.13	.5120	.2101	7.847	-.0019

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.687	.4918	.4598	.5074	.0020	.4999	-.0020
Stddev	.003	.0018	.0004	.0017	.0040	.0022	.0007
%RSD	.1498	.3655	.0859	.3384	195.7	.4447	35.12
#1	1.685	.4930	.4601	.5086	.0049	.5015	-.0015
#2	1.688	.4905	.4595	.5062	-.0008	.4983	-.0025

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1217.3	48972.	17468.
Stddev	1.1	284.	37.
%RSD	.08852	.57989	.21127
#1	1216.6	48771.	17494.
#2	1218.1	49173.	17442.

Zoom In Zoom Out

Sample Name: MP22403-S2 Acquired: 1/21/2014 16:03:55 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.2116	2.161	.5463	-.0021	.1813	2.686	.4960	95.23	.5298
Stddev	.0004	.000	.0004	.0013	.0001	.008	.0021	.37	.0008
%RSD	.1953	.0031	.0685	63.11	.0443	.2823	.4322	.3850	.1434
#1	.2119	2.161	.5461	-.0012	.1813	2.692	.4976	95.49	.5293
#2	.2113	2.161	.5466	-.0031	.1812	2.681	.4945	94.98	.5304

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.4833	.4772	.5054	3.128	36.29	47.85	.7665	.0008	877.0
Stddev	.0008	.0006	.0009	.010	.13	.14	.0009	.0001	2.4
%RSD	.1573	.1248	.1695	.3288	.3639	.2926	.1118	10.05	.2688
#1	.4828	.4776	.5060	3.136	36.38	47.95	.7671	.0008	878.7
#2	.4839	.4767	.5048	3.121	36.20	47.75	.7659	.0009	875.4

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4659	.9677	-.0034	-.0036	F48.54	.5218	.2097	7.956	-.0019
Stddev	.0004	.0008	.0013	.0007	.05	.0009	.0001	.019	.0005
%RSD	.0922	.0792	37.85	18.54	.1015	.1675	.0401	.2398	25.85
#1	.4656	.9672	-.0044	-.0031	48.50	.5211	.2097	7.943	-.0016
#2	.4662	.9682	-.0025	-.0041	48.57	.5224	.2096	7.970	-.0023

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.701	.4956	.4674	.5131	.0013	.5050	-.0072
Stddev	.003	.0010	.0008	.0023	.0013	.0002	.0003
%RSD	.1869	.2018	.1760	.4530	97.94	.0372	3.883
#1	1.703	.4964	.4668	.5115	.0004	.5049	-.0070
#2	1.699	.4949	.4680	.5148	.0022	.5052	-.0074

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1214.6	48884.	17453.
Stddev	.1	24.	105.
%RSD	.00893	.04927	.60014
#1	1214.7	48867.	17379.
#2	1214.5	48901.	17527.

Zoom In Zoom Out

Sample Name: MC27769-2 Acquired: 1/21/2014 16:08:46 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0007	.0278	.0011	-.0024	.1816	.6985	.0000	79.55	-.0001
Stddev	.0005	.0058	.0009	.0013	.0001	.0007	.000	.09	.0000
%RSD	76.62	20.90	77.60	55.24	.0373	.0993	172.4	.1088	40.53
#1	-.0003	.0319	.0018	-.0033	.1816	.6980	.0000	79.61	-.0001
#2	-.0011	.0237	.0005	-.0015	.1815	.6990	-.0001	79.48	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0003	-.0005	-.0004	1.137	10.37	22.55	.2916	.0007	865.8
Stddev	.0000	.0001	.0004	.005	.01	.06	.0009	.0001	13.9
%RSD	1.951	30.75	112.0	.4081	.0501	.2832	.3058	8.683	1.606
#1	.0003	-.0004	-.0001	1.140	10.38	22.51	.2922	.0007	856.0
#2	.0003	-.0006	-.0007	1.134	10.37	22.60	.2910	.0006	875.6

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0001	-.0009	-.0032	-.0009	F49.93	.0017	-.0032	8.002	-.0013
Stddev	.0000	.0003	.0003	.0031	.02	.0002	.0006	.003	.0006
%RSD	28.69	34.63	8.011	329.8	.0437	10.61	17.90	.0429	45.51
#1	-.0001	-.0007	-.0034	-.0031	49.91	.0018	-.0037	8.004	-.0017
#2	-.0001	-.0011	-.0030	.0012	49.94	.0016	-.0028	7.999	-.0009

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.338	.0026	.0015	-.0001	-.0014	.0018	-.0123
Stddev	.001	.0005	.0007	.0000	.0019	.0001	.0002
%RSD	.0427	18.19	44.62	24.35	138.0	6.022	1.330
#1	1.338	.0030	.0011	-.0002	.0000	.0019	-.0124
#2	1.337	.0023	.0020	-.0001	-.0027	.0017	-.0122

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1213.9	49273.	17526.
Stddev	.7	17.	31.
%RSD	.05602	.03351	.17929
#1	1213.4	49285.	17504.
#2	1214.4	49262.	17548.

Zoom In Zoom Out

Sample Name: MP22403-SD1 Acquired: 1/21/2014 16:13:45 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0034	.0384	-.0061	-.0024	.1811	.6984	-.0003	80.82	-.0005	-.0006
Stddev	.0011	.0222	.0098	.0047	.0003	.0004	.0001	.16	.0001	.0007
%RSD	34.07	57.83	160.9	198.1	.1534	.0639	27.06	.1931	14.92	131.6
#1	-.0026	.0227	-.0130	-.0057	.1809	.6987	-.0003	80.71	-.0005	-.0011
#2	-.0042	.0540	.0008	.0010	.1813	.6981	-.0004	80.93	-.0006	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0018	-.0037	1.141	10.30	22.84	.2982	-.0021	953.1	-.0002	.0006
Stddev	.0047	.0003	.012	.01	.18	.0011	.0006	2.7	.0004	.0023
%RSD	258.0	8.756	1.058	.1172	.7942	.3525	28.14	.2835	278.9	377.4
#1	.0015	-.0035	1.132	10.31	22.71	.2990	-.0017	951.2	-.0005	.0022
#2	-.0051	-.0040	1.149	10.29	22.97	.2975	-.0025	955.0	.0002	-.0010

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0018	-.0032	49.10	.0011	-.0064	7.886	-.0037	1.344	.0002	.0017
Stddev	.0022	.0209	.04	.0021	.0001	.002	.0006	.000	.0002	.0032
%RSD	120.9	652.0	.0826	183.3	2.104	.0300	16.81	.0297	62.97	187.5
#1	.0033	-.0180	49.07	-.0003	-.0063	7.888	-.0041	1.345	.0003	.0039
#2	.0003	.0116	49.13	.0026	-.0065	7.884	-.0032	1.344	.0001	-.0006

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0020	-.0072	.0051	-.0109
Stddev	.0007	.0013	.0005	.0011
%RSD	37.69	17.74	10.10	9.695
#1	-.0025	-.0081	.0055	-.0101
#2	-.0014	-.0063	.0047	-.0116

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1284.1	50772.	17899.
Stddev	2.0	218.	63.
%RSD	.15931	.42988	.35233
#1	1285.5	50618.	17943.
#2	1282.6	50927.	17854.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/21/2014 16:18:44 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2426	9.674	1.914	-.0022	1.919	1.921	1.923	9.726	1.921	1.904
Stddev	.0007	.009	.002	.0003	.004	.001	.000	.015	.003	.003
%RSD	.2765	.0964	.1026	12.35	.2068	.0417	.0193	.1588	.1297	.1362
#1	.2431	9.667	1.913	-.0024	1.916	1.922	1.923	9.715	1.919	1.902
#2	.2421	9.681	1.916	-.0020	1.921	1.921	1.923	9.737	1.923	1.906

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.889	1.901	9.740	9.757	9.592	1.912	1.914	9.851	1.897	1.904
Stddev	.008	.005	.004	.014	.064	.006	.007	.002	.003	.002
%RSD	.4088	.2530	.0428	.1450	.6679	.3293	.3688	.0236	.1579	.0975
#1	1.895	1.905	9.743	9.747	9.637	1.917	1.909	9.852	1.895	1.903
#2	1.884	1.898	9.737	9.767	9.546	1.908	1.919	9.849	1.900	1.906

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0009	.0109	.0015	1.925	1.910	-.0171	1.951	1.961	1.922	1.914
Stddev	.0008	.0039	.0029	.000	.001	.0009	.001	.021	.005	.001
%RSD	85.37	35.57	187.4	.0094	.0351	5.032	.0577	1.052	.2424	.0301
#1	-.0015	.0136	.0036	1.926	1.911	-.0177	1.950	1.947	1.925	1.913
#2	-.0004	.0081	-.0005	1.925	1.910	-.0165	1.952	1.976	1.919	1.914

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.921	.0081	1.906	.0023
Stddev	.004	.0024	.002	.0011
%RSD	.2213	29.92	.1200	46.23
#1	1.924	.0099	1.904	.0031
#2	1.918	.0064	1.907	.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1294.0	50781.	18065.
Stddev	1.2	170.	12.
%RSD	.09510	.33559	.06747
#1	1294.9	50660.	18056.
#2	1293.2	50901.	18074.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/21/2014 16:23:33 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	-.0002	.0009	.0006	.0014	-.0001	.0001	.0012	.0002	.0000
Stddev	.0002	.0021	.0010	.0002	.0003	.0001	.0001	.0021	.0004	.0002
%RSD	58.46	941.5	114.2	30.27	25.00	93.38	88.82	170.4	221.2	612.0
#1	-.0004	.0013	.0017	.0004	.0016	.0000	.0001	-.0002	.0004	.0002
#2	-.0002	-.0017	.0002	.0007	.0011	-.0002	.0000	.0027	-.0001	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0004	-.0005	-.0007	.0275	.0002	-.0001	.0024	.1734	.0001	.0000
Stddev	.0003	.0002	.0013	.0088	.0283	.0001	.0009	.0007	.0002	.0002
%RSD	69.39	35.15	199.8	32.05	12180.	98.27	39.02	.4025	107.5	823.4
#1	-.0002	-.0004	.0003	.0337	-.0198	-.0001	.0030	.1739	.0000	-.0001
#2	-.0006	-.0006	-.0016	.0213	.0203	.0000	.0017	.1729	.0002	.0002

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0002	-.0020	.0027	.0004	.0003	-.0007	.0003	.0000	.0002	.0000
Stddev	.0007	.0000	.0008	.0005	.0003	.0001	.0001	.0000	.0001	.0017
%RSD	289.2	.4029	29.88	110.8	112.3	17.96	20.98	53.58	32.78	4300.
#1	-.0007	-.0020	.0021	.0001	.0005	-.0006	.0004	.0000	.0001	.0012
#2	.0002	-.0021	.0032	.0007	.0001	-.0007	.0003	.0001	.0002	-.0012

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0001	-.0055	.0003	-.0002
Stddev	.0004	.0029	.0001	.0003
%RSD	298.6	53.38	40.89	143.6
#1	-.0004	-.0075	.0004	.0000
#2	.0001	-.0034	.0002	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1293.9	50869.	17831.
Stddev	4.8	205.	53.
%RSD	.36863	.40298	.29566
#1	1297.2	50725.	17868.
#2	1290.5	51014.	17793.

Zoom In Zoom Out

Sample Name: MP22403-B2 Acquired: 1/21/2014 16:28:30 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1992	2.083	.5272	-.0003	.0023	2.010	.4980	24.10	.5070	.4911
Stddev	.0005	.004	.0012	.0004	.0001	.002	.0001	.03	.0004	.0004
%RSD	.2630	.2159	.2360	117.2	2.409	.1029	.0151	.1284	.0857	.0821
#1	.1988	2.080	.5281	-.0001	.0023	2.008	.4979	24.08	.5067	.4914
#2	.1995	2.086	.5264	-.0006	.0023	2.011	.4980	24.12	.5073	.4908

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4839	.4877	2.008	24.98	25.46	.4860	.0002	25.30	.4817	.9866
Stddev	.0006	.0016	.002	.03	.05	.0009	.0002	.02	.0003	.0003
%RSD	.1236	.3305	.0951	.1223	.2122	.1784	138.2	.0764	.0589	.0268
#1	.4834	.4865	2.009	24.96	25.42	.4854	.0004	25.32	.4815	.9868
#2	.4843	.4888	2.007	25.00	25.50	.4867	.0000	25.29	.4819	.9864

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0006	-.0012	.0091	.5048	.4960	.0268	-.0026	.5041	.4904	.4863
Stddev	.0005	.0025	.0023	.0004	.0001	.0010	.0007	.0002	.0003	.0005
%RSD	85.99	208.1	25.22	.0778	.0263	3.707	28.06	.0419	.0662	.1130
#1	-.0009	.0006	.0107	.5051	.4960	.0275	-.0021	.5039	.4906	.4867
#2	-.0002	-.0030	.0075	.5046	.4961	.0261	-.0031	.5042	.4902	.4859

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5153	.0019	.5085	-.0006
Stddev	.0014	.0109	.0007	.0002
%RSD	.2706	558.2	.1291	29.69
#1	.5143	-.0057	.5090	-.0007
#2	.5163	.0096	.5080	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1267.4	50443.	17955.
Stddev	1.4	206.	24.
%RSD	.11335	.40767	.13149
#1	1266.4	50589.	17972.
#2	1268.5	50298.	17939.

Zoom In Zoom Out

Sample Name: MC27690-1 Acquired: 1/21/2014 16:33:17 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0008	.3600	.0051	-.0437	F17.45	F60.56	-.0001	140.9
Stddev	.0003	.0013	.0018	.0001	.08	1.27	.0000	1.5
%RSD	34.64	.3513	35.96	.1715	.4564	2.102	43.37	1.086
#1	-.0006	.3609	.0038	-.0438	17.39	61.46	-.0001	142.0
#2	-.0010	.3591	.0064	-.0437	17.51	59.66	-.0001	139.9

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0064	-.0003	.0041	.0083	1.975	27.20	17.49	.3365
Stddev	.0001	.0002	.0001	.0002	.017	.14	.28	.0014
%RSD	2.028	64.31	1.925	2.196	.8829	.5045	1.612	.4157
#1	.0063	-.0002	.0042	.0082	1.988	27.30	17.69	.3355
#2	.0064	-.0004	.0041	.0084	1.963	27.11	17.29	.3375

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	5.129	437.9	.0091	.0005	-.0093	-.0002	5.061	.0734
Stddev	.030	6.4	.0000	.0002	.0013	.0032	.024	.0004
%RSD	.5925	1.462	.0587	47.28	13.94	1515.	.4788	.4904
#1	5.107	442.4	.0091	.0003	-.0084	.0021	5.044	.0736
#2	5.150	433.4	.0091	.0006	-.0102	-.0025	5.078	.0731

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0797	3.086	.0597	F26.29	.0177	F-.0651	.0028	-.0072
Stddev	.0020	.006	.0003	.41	.0010	.0013	.0001	.0000
%RSD	2.522	.1860	.5818	1.554	5.720	2.060	2.056	.4537
#1	.0811	3.082	.0594	26.58	.0170	-.0642	.0028	-.0071
#2	.0783	3.090	.0599	26.00	.0184	-.0661	.0029	-.0072

Elem	Zn2062	Zr3391
Avg	.3236	-.0069
Stddev	.0008	.0002
%RSD	.2435	2.954
#1	.3231	-.0071
#2	.3242	-.0068

Zoom In Zoom Out

Sample Name: MC27690-1 Acquired: 1/21/2014 16:33:17 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1111.1	49504.	18011.
Stddev	3.0	148.	222.
%RSD	.27101	.29866	1.2341
#1	1113.2	49609.	17854.
#2	1109.0	49400.	18168.

Zoom In Zoom Out

Sample Name: MC27715-2F Acquired: 1/21/2014 16:38:25 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	.0015	.0005	-.0003	.0429	.0221	-.0001	55.66	-.0002	-.0009
Stddev	.0002	.0010	.0002	.0008	.0025	.0001	.0000	.17	.0001	.0001
%RSD	144.0	70.42	39.88	274.8	5.848	.2854	40.67	.3105	35.20	9.448
#1	.0000	.0007	.0003	.0003	.0447	.0222	-.0001	55.53	-.0002	-.0008
#2	-.0003	.0022	.0006	-.0008	.0411	.0221	-.0001	55.78	-.0001	-.0009

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0014	-.0004	-.0014	6.576	15.43	.0003	.0066	34.04	.0003	-.0007
Stddev	.0006	.0000	.0001	.028	.03	.0000	.0018	.05	.0001	.0003
%RSD	43.03	.9052	3.844	.4259	.1735	13.00	27.70	.1610	19.95	49.38
#1	.0018	-.0004	-.0014	6.596	15.45	.0003	.0079	34.08	.0003	-.0009
#2	.0010	-.0004	-.0015	6.556	15.41	.0004	.0053	34.00	.0002	-.0004

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0012	-.0060	5.701	.0024	.0006	13.77	-.0008	.1761	.0004	-.0031
Stddev	.0002	.0052	.003	.0002	.0007	.00	.0007	.0000	.0005	.0013
%RSD	16.18	86.28	.0447	6.345	118.0	.0334	93.98	.0092	111.3	43.93
#1	-.0011	-.0023	5.702	.0023	.0011	13.76	-.0013	.1761	.0008	-.0021
#2	-.0014	-.0096	5.699	.0025	.0001	13.77	-.0003	.1760	.0001	-.0040

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0027	.0021	.0137	-.0300
Stddev	.0001	.0055	.0002	.0008
%RSD	3.114	264.0	1.270	2.510
#1	.0026	.0060	.0136	-.0305
#2	.0028	-.0018	.0138	-.0295

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1269.0	50000.	18093.
Stddev	.4	558.	108.
%RSD	.03332	1.1161	.59511
#1	1268.7	50394.	18169.
#2	1269.3	49605.	18017.

Zoom In Zoom Out

Sample Name: MC27715-3F Acquired: 1/21/2014 16:43:18 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	.0182	-.0010	.0007	.0184	.0113	-.0001	6.301	.0001	-.0005
Stddev	.0004	.0044	.0002	.0005	.0011	.0001	.0001	.007	.0000	.0000
%RSD	111.7	24.30	19.96	73.53	5.810	.5335	65.65	.1171	16.12	2.664
#1	-.0006	.0213	-.0011	.0010	.0192	.0114	-.0001	6.296	.0001	-.0005
#2	-.0001	.0151	-.0008	.0003	.0176	.0113	.0000	6.307	.0001	-.0005

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	.0015	.0065	2.263	1.119	.0020	.0016	2.838	.0002	-.0002
Stddev	.0003	.0000	.0010	.003	.004	.0000	.0001	.010	.0004	.0003
%RSD	385.6	.0715	15.79	.1340	.3337	2.128	9.173	.3563	175.7	144.8
#1	-.0003	.0015	.0058	2.261	1.116	.0020	.0017	2.831	-.0001	-.0004
#2	.0001	.0015	.0072	2.265	1.121	.0021	.0015	2.845	.0005	.0000

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0000	-.0024	2.118	.0022	.0004	1.266	-.0004	.0199	.0006	-.0026
Stddev	.0002	.0026	.043	.0005	.0007	.027	.0003	.0000	.0001	.0003
%RSD	555.0	106.1	2.041	23.52	164.6	2.139	90.79	.1269	9.123	12.59
#1	.0002	-.0042	2.149	.0025	.0009	1.285	-.0001	.0199	.0005	-.0028
#2	-.0001	-.0006	2.088	.0018	-.0001	1.247	-.0006	.0199	.0006	-.0023

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0008	-.0033	.2332	-.0028
Stddev	.0006	.0008	.0049	.0001
%RSD	78.42	25.68	2.084	3.534
#1	.0013	-.0039	.2366	-.0027
#2	.0004	-.0027	.2297	-.0029

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1270.0	50156.	18067.
Stddev	22.2	296.	27.
%RSD	1.7447	.58983	.15104
#1	1254.4	49947.	18086.
#2	1285.7	50365.	18047.

Zoom In Zoom Out

Sample Name: MC27715-4F Acquired: 1/21/2014 16:48:12 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0005	.0475	.0019	-.0008	.0472	.9050	-.0001	55.21	.0000
Stddev	.0003	.0002	.0007	.0001	.0003	.0375	.0000	2.48	.0000
%RSD	56.67	.4383	39.61	15.51	.5736	4.144	49.64	4.495	41.46
#1	-.0003	.0473	.0014	-.0009	.0474	.9315	.0000	56.96	.0000
#2	-.0008	.0476	.0024	-.0007	.0470	.8785	-.0001	53.45	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0076	.0001	-.0001	14.06	8.889	17.92	1.337	.0005	F1517.
Stddev	.0002	.0006	.0001	.61	.323	.75	.008	.0002	15.
%RSD	3.192	848.2	218.6	4.320	3.630	4.180	.6304	37.92	.9773
#1	.0078	.0005	.0000	14.49	9.118	18.45	1.342	.0006	1528.
#2	.0074	-.0003	-.0002	13.63	8.661	17.39	1.331	.0003	1507.

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0110	-.0012	-.0044	.0066	9.292	.0004	-.0086	8.143	-.0008
Stddev	.0001	.0003	.0007	.0050	.025	.0002	.0001	.011	.0006
%RSD	1.135	24.39	16.95	75.81	.2678	45.51	.9164	.1332	65.95
#1	.0111	-.0010	-.0049	.0031	9.310	.0005	-.0085	8.151	-.0012
#2	.0110	-.0014	-.0039	.0101	9.275	.0003	-.0086	8.135	-.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4465	.0034	.0027	.0019	-.0016	.1987	-.0142
Stddev	.0188	.0002	.0008	.0001	.0066	.0002	.0003
%RSD	4.205	5.234	29.31	5.627	404.7	.0940	2.001
#1	.4598	.0033	.0033	.0019	.0031	.1989	-.0140
#2	.4332	.0035	.0021	.0020	-.0063	.1986	-.0144

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1206.6	48508.	17642.
Stddev	2.2	332.	686.
%RSD	.18505	.68353	3.8900
#1	1205.0	48274.	17157.
#2	1208.2	48743.	18127.

Zoom In Zoom Out

Sample Name: MC27715-5F Acquired: 1/21/2014 16:53:11 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	.0190	.0022	.0009	.0492	.0323	-.0001	83.33	-.0001	-.0011
Stddev	.0000	.0008	.0012	.0006	.0000	.0003	.0001	.54	.0001	.0001
%RSD	60.03	4.096	54.95	65.15	.0237	.9731	85.35	.6477	132.8	6.027
#1	.0000	.0184	.0031	.0005	.0492	.0321	.0000	82.95	.0000	-.0011
#2	-.0001	.0195	.0014	.0013	.0492	.0325	-.0001	83.71	-.0001	-.0010

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	-.0001	.2265	14.21	27.42	.1622	.0031	67.67	.0016	-.0012
Stddev	.0001	.0003	.0027	.16	.26	.0001	.0003	.85	.0003	.0008
%RSD	125.0	303.7	1.204	1.140	.9516	.0650	8.883	1.257	18.49	62.71
#1	-.0002	.0001	.2246	14.10	27.24	.1622	.0033	67.07	.0018	-.0018
#2	.0000	-.0003	.2284	14.33	27.61	.1623	.0029	68.27	.0014	-.0007

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0023	-.0021	8.428	.0013	.0004	10.91	-.0008	.1879	.0011	-.0022
Stddev	.0012	.0017	.007	.0002	.0004	.04	.0003	.0020	.0003	.0005
%RSD	52.34	79.90	.0821	15.32	118.6	.3640	33.03	1.081	22.86	24.51
#1	-.0032	-.0033	8.423	.0012	.0007	10.89	-.0006	.1864	.0013	-.0026
#2	-.0015	-.0009	8.433	.0015	.0001	10.94	-.0010	.1893	.0009	-.0018

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0000	.0026	.0084	-.0233
Stddev	.000	.0043	.0002	.0000
%RSD	745.4	161.8	1.804	.1651
#1	.0002	.0057	.0085	-.0233
#2	-.0002	-.0004	.0083	-.0233

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1259.6	50016.	18110.
Stddev	2.1	69.	85.
%RSD	.17058	.13700	.46934
#1	1261.1	49968.	18170.
#2	1258.0	50065.	18050.

Zoom In Zoom Out

Sample Name: MC27715-6F Acquired: 1/21/2014 16:58:05 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	.0028	.0016	-.0003	.0289	.0259	.0000	67.38	-.0001	-.0008
Stddev	.0005	.0055	.0006	.0006	.0000	.0001	.000	.13	.0001	.0001
%RSD	72.59	195.6	38.44	168.6	.1689	.4272	80.64	.1953	126.5	11.98
#1	-.0010	-.0011	.0020	.0001	.0289	.0260	.0000	67.47	-.0002	-.0009
#2	-.0003	.0067	.0011	-.0008	.0290	.0258	-.0001	67.29	.0000	-.0007

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0008	-.0006	.0976	11.35	16.52	.1469	.0024	39.74	.0001	-.0008
Stddev	.0001	.0000	.0025	.02	.03	.0000	.0000	.01	.0002	.0005
%RSD	6.495	4.057	2.598	.1567	.1810	.0075	.8892	.0261	165.0	63.18
#1	-.0009	-.0007	.0958	11.37	16.55	.1469	.0024	39.75	.0000	-.0004
#2	-.0008	-.0006	.0994	11.34	16.50	.1469	.0024	39.74	.0003	-.0011

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0013	-.0015	9.255	.0015	.0002	9.563	-.0009	.2079	.0003	-.0030
Stddev	.0003	.0016	.012	.0002	.0015	.008	.0006	.0004	.0002	.0008
%RSD	25.12	108.5	.1304	16.52	937.7	.0790	64.03	.2158	64.81	26.57
#1	-.0016	-.0027	9.263	.0016	.0012	9.568	-.0005	.2082	.0002	-.0024
#2	-.0011	-.0004	9.246	.0013	-.0009	9.557	-.0013	.2076	.0005	-.0035

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0007	.0044	.0088	-.0208
Stddev	.0001	.0019	.0001	.0000
%RSD	16.68	42.41	.8519	.1698
#1	-.0006	.0031	.0088	-.0207
#2	-.0008	.0057	.0087	-.0208

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1268.7	50496.	18016.
Stddev	.2	95.	19.
%RSD	.01530	.18767	.10788
#1	1268.8	50429.	18002.
#2	1268.5	50563.	18030.

Zoom In Zoom Out

Sample Name: MC27715-7F Acquired: 1/21/2014 17:02:59 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	-.0009	.0007	-.0003	.0098	.0217	-.0001	89.86	-.0002	-.0008
Stddev	.0001	.0029	.0015	.0009	.0004	.0002	.0000	.18	.0001	.0002
%RSD	26.29	319.6	197.8	287.7	3.972	.8524	37.02	.2044	37.17	19.47
#1	-.0006	-.0030	-.0003	-.0010	.0096	.0215	-.0001	89.73	-.0003	-.0009
#2	-.0004	.0012	.0018	.0003	.0101	.0218	-.0001	89.99	-.0002	-.0007

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0005	-.0006	.0040	4.952	15.59	.1071	.0004	19.87	-.0001	-.0012
Stddev	.0001	.0003	.0005	.027	.06	.0000	.0000	.03	.0002	.0005
%RSD	31.09	53.11	12.11	.5436	.3718	.0278	.9396	.1604	167.4	41.62
#1	-.0004	-.0009	.0036	4.971	15.54	.1072	.0004	19.89	-.0003	-.0009
#2	-.0006	-.0004	.0043	4.933	15.63	.1071	.0004	19.85	.0000	-.0016

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0031	-.0049	8.115	.0014	.0012	9.134	-.0012	.2360	.0007	-.0021
Stddev	.0000	.0057	.014	.0003	.0015	.021	.0005	.0001	.0005	.0007
%RSD	.1026	114.9	.1693	21.84	120.6	.2318	44.28	.0441	73.73	33.92
#1	-.0031	-.0009	8.105	.0012	.0023	9.119	-.0008	.2360	.0003	-.0016
#2	-.0031	-.0089	8.124	.0016	.0002	9.149	-.0016	.2361	.0011	-.0026

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0002	.0002	.0121	-.0197
Stddev	.0002	.0052	.0000	.0005
%RSD	128.6	2432.	.3760	2.303
#1	-.0003	-.0035	.0121	-.0194
#2	.0000	.0039	.0122	-.0201

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1265.7	50278.	17983.
Stddev	.1	147.	42.
%RSD	.01127	.29192	.23570
#1	1265.6	50175.	18013.
#2	1265.8	50382.	17953.

Zoom In Zoom Out

Sample Name: MC27715-8F Acquired: 1/21/2014 17:07:53 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0002	-.0018	-.0004	.0003	.0084	.0122	-.0001	67.01	-.0002
Stddev	.0001	.0042	.0006	.0004	.0003	.0001	.0000	.34	.0001
%RSD	88.37	225.8	130.6	109.4	3.563	1.035	5.213	.5027	28.38
#1	-.0001	-.0048	-.0008	.0001	.0082	.0121	-.0001	66.77	-.0002
#2	-.0003	.0011	.0000	.0006	.0086	.0123	-.0001	67.24	-.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0009	-.0004	.0000	-.0007	3.841	11.91	.1173	.0006	12.37
Stddev	.0000	.0001	.0004	.0026	.001	.05	.0009	.0000	.03
%RSD	2.169	23.84	860.0	354.8	.0130	.4129	.7624	.6923	.2448
#1	-.0009	-.0005	-.0002	-.0026	3.841	11.88	.1166	.0006	12.35
#2	-.0009	-.0003	.0003	.0011	3.840	11.94	.1179	.0006	12.39

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0003	-.0015	-.0029	-.0024	F18.12	.0014	.0010	9.545	-.0008
Stddev	.0004	.0007	.0013	.0017	.02	.0002	.0010	.009	.0011
%RSD	135.6	47.42	44.94	69.92	.1202	11.91	93.95	.0904	132.0
#1	.0000	-.0020	-.0039	-.0012	18.14	.0015	.0003	9.551	-.0001
#2	-.0006	-.0010	-.0020	-.0036	18.11	.0013	.0017	9.539	-.0016

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0993	.0001	-.0030	-.0004	.0012	.0084	-.0212
Stddev	.0004	.0002	.0007	.0006	.0009	.0001	.0003
%RSD	.4172	209.1	22.69	145.0	73.45	1.020	1.280
#1	.0990	.0002	-.0035	.0000	.0018	.0085	-.0214
#2	.0995	.0000	-.0025	-.0008	.0006	.0084	-.0210

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1264.8	50646.	18088.
Stddev	3.0	239.	85.
%RSD	.23721	.47182	.47161
#1	1262.6	50815.	18149.
#2	1266.9	50477.	18028.

Zoom In Zoom Out

Sample Name: MC27715-10F Acquired: 1/21/2014 17:12:48 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	-.0127	-.0004	-.0009	.0092	.0113	-.0001	107.8	-.0002	-.0009
Stddev	.0003	.0019	.0023	.0011	.0005	.0002	.0000	.2	.0000	.0001
%RSD	259.0	14.98	604.1	120.7	4.964	1.348	21.49	.1640	10.73	7.814
#1	.0001	-.0140	.0013	-.0001	.0096	.0114	-.0001	107.9	-.0002	-.0009
#2	-.0003	-.0113	-.0020	-.0017	.0089	.0112	-.0002	107.7	-.0002	-.0010

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0007	.0002	1.079	6.155	22.95	.6015	.0012	17.85	-.0002	-.0016
Stddev	.0003	.0003	.001	.008	.01	.0005	.0001	.06	.0004	.0011
%RSD	35.95	139.3	.1238	.1262	.0417	.0857	12.25	.3460	207.0	66.64
#1	-.0006	.0000	1.080	6.150	22.94	.6019	.0013	17.89	.0001	-.0024
#2	-.0009	.0004	1.078	6.161	22.96	.6012	.0011	17.80	-.0005	-.0009

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0037	-.0015	6.937	.0014	.0006	11.70	-.0013	.1142	.0009	-.0032
Stddev	.0004	.0021	.009	.0005	.0013	.02	.0009	.0004	.0003	.0010
%RSD	10.24	139.3	.1247	34.13	212.9	.1531	69.38	.3375	32.56	30.84
#1	-.0034	.0000	6.943	.0011	-.0003	11.68	-.0019	.1144	.0007	-.0039
#2	-.0039	-.0029	6.931	.0017	.0015	11.71	-.0007	.1139	.0011	-.0025

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0005	.0019	.0077	-.0257
Stddev	.0002	.0098	.0001	.0001
%RSD	48.53	529.0	.8776	.4481
#1	-.0003	.0088	.0077	-.0258
#2	-.0006	-.0051	.0078	-.0256

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1245.8	50626.	17909.
Stddev	.5	34.	79.
%RSD	.03621	.06781	.44366
#1	1245.5	50650.	17853.
#2	1246.1	50602.	17965.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/21/2014 17:17:42 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2389	9.706	1.941	-.0019	1.930	1.901	1.953	9.749	1.929	1.931
Stddev	.0002	.034	.005	.0002	.002	.002	.004	.009	.002	.001
%RSD	.0668	.3502	.2394	8.994	.0804	.0793	.2129	.0925	.1068	.0719
#1	.2390	9.682	1.944	-.0020	1.929	1.900	1.950	9.743	1.931	1.932
#2	.2388	9.730	1.937	-.0018	1.931	1.902	1.956	9.755	1.928	1.930

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.924	1.933	9.875	9.654	9.742	1.918	1.943	9.874	1.957	1.940
Stddev	.002	.002	.020	.012	.036	.003	.000	.009	.001	.004
%RSD	.1067	.0895	.2008	.1283	.3714	.1663	.0055	.0892	.0439	.1798
#1	1.926	1.934	9.860	9.663	9.716	1.920	1.943	9.868	1.958	1.943
#2	1.923	1.932	9.889	9.645	9.767	1.916	1.943	9.880	1.956	1.938

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0006	.0109	.0013	1.960	1.950	-.0145	2.020	2.037	1.895	1.927
Stddev	.0001	.0054	.0003	.002	.002	.0013	.000	.017	.003	.005
%RSD	16.52	49.91	23.70	.0927	.1199	9.260	.0066	.8283	.1426	.2602
#1	-.0006	.0070	.0011	1.962	1.952	-.0155	2.020	2.025	1.897	1.930
#2	-.0007	.0147	.0015	1.959	1.949	-.0136	2.021	2.049	1.893	1.923

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.938	.0115	1.932	-.0058
Stddev	.003	.0023	.004	.0004
%RSD	.1523	19.72	.2291	7.483
#1	1.940	.0131	1.935	-.0054
#2	1.936	.0099	1.929	-.0061

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1285.6	51435.	18080.
Stddev	.3	104.	102.
%RSD	.02069	.20126	.56498
#1	1285.4	51362.	18152.
#2	1285.8	51509.	18007.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/21/2014 17:22:28 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0001	.0062	-.0005	.0001	.0027	.0005	F.0007	.0122	.0002
Stddev	.0002	.0051	.0010	.0015	.0004	.0001	.0000	.0012	.0001
%RSD	127.8	81.64	217.2	1287.	15.51	13.54	.1921	9.601	33.80
#1	.0000	.0026	.0002	.0012	.0030	.0005	.0007	.0113	.0003
#2	-.0002	.0098	-.0011	-.0009	.0024	.0006	.0007	.0130	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0001	.0001	.0006	.0042	.0402	.0263	.0005	.0022	.1528
Stddev	.0001	.0002	.0000	.0011	.0231	.0063	.0001	.0006	.0108
%RSD	116.0	121.8	1.315	27.15	57.47	23.93	22.99	27.82	7.058
#1	.0002	.0000	.0006	.0050	.0238	.0218	.0005	.0026	.1452
#2	.0000	.0002	.0005	.0034	.0565	.0307	.0004	.0018	.1604

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0001	.0002	.0003	-.0015	.0040	.0007	.0018	.0005	.0002
Stddev	.0003	.0002	.0007	.0022	.0015	.0007	.0004	.0000	.0001
%RSD	173.1	137.0	205.9	144.0	36.66	93.55	21.83	8.830	71.33
#1	.0000	.0000	.0008	-.0030	.0050	.0002	.0015	.0006	.0003
#2	-.0003	.0003	-.0002	.0000	.0029	.0012	.0021	.0005	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0008	.0010	-.0001	.0005	-.0062	.0002	-.0005
Stddev	.0000	.0000	.0003	.0001	.0006	.0001	.0001
%RSD	6.042	1.414	281.8	20.36	9.997	38.85	9.741
#1	.0008	.0010	.0001	.0006	-.0058	.0002	-.0005
#2	.0008	.0010	-.0003	.0004	-.0067	.0001	-.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1286.4	51517.	17961.
Stddev	2.6	36.	138.
%RSD	.19828	.07001	.76773
#1	1288.2	51492.	18059.
#2	1284.6	51543.	17864.

Zoom In Zoom Out

Sample Name: MC27753-3 Acquired: 1/21/2014 17:27:26 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	.0015	-.0019	-.0004	.0015	-.0003	-.0001	.0118	-.0001	-.0004
Stddev	.0004	.0083	.0006	.0006	.0004	.0000	.0000	.0008	.0002	.0002
%RSD	115.3	548.6	31.35	162.2	25.75	13.00	37.80	6.813	150.9	51.26
#1	-.0006	-.0044	-.0015	.0001	.0018	-.0003	-.0001	.0124	.0000	-.0002
#2	-.0001	.0074	-.0024	-.0008	.0013	-.0003	-.0001	.0112	-.0002	-.0005

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0007	.0001	-.0017	-.0101	.0097	-.0002	.0000	.1496	-.0006	-.0001
Stddev	.0007	.0003	.0012	.0104	.0197	.0000	.0001	.0009	.0003	.0009
%RSD	108.9	369.8	70.50	102.5	203.1	19.22	411.6	.5869	48.21	925.8
#1	.0002	-.0001	-.0025	-.0028	-.0042	-.0002	.0001	.1490	-.0004	-.0008
#2	.0012	.0003	-.0008	-.0175	.0236	-.0002	.0000	.1502	-.0008	.0006

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0004	-.0010	.0036	.0010	.0010	.0316	.0004	-.0001	-.0002	-.0018
Stddev	.0010	.0021	.0011	.0002	.0004	.0011	.0001	.0000	.0002	.0001
%RSD	238.3	218.3	30.66	23.65	42.43	3.644	27.80	46.36	89.90	6.032
#1	.0011	.0005	.0044	.0008	.0013	.0307	.0005	-.0001	-.0003	-.0019
#2	-.0003	-.0025	.0029	.0011	.0007	.0324	.0003	-.0001	-.0001	-.0017

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0005	-.0013	.0031	-.0010
Stddev	.0002	.0004	.0000	.0001
%RSD	41.55	35.54	.6279	10.34
#1	-.0007	-.0009	.0032	-.0009
#2	-.0004	-.0016	.0031	-.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1266.8	51273.	18097.
Stddev	2.5	54.	112.
%RSD	.19364	.10558	.62118
#1	1265.0	51311.	18018.
#2	1268.5	51235.	18177.

Zoom In Zoom Out

Sample Name: MC27753-14 Acquired: 1/21/2014 17:32:23 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0002	.3029	.0030	.0001	.5131	.1469	-.0001	146.7	.0147
Stddev	.0001	.0015	.0005	.0004	.0018	.0007	.0000	.2	.0003
%RSD	42.23	.4810	18.23	822.6	.3593	.4610	6.520	.1133	2.266
#1	.0001	.3039	.0034	-.0003	.5118	.1464	-.0001	146.6	.0145
#2	.0002	.3018	.0026	.0004	.5144	.1474	-.0001	146.8	.0149

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0797	.3172	.0511	.6579	19.11	15.20	1.146	.0554	795.9
Stddev	.0001	.0003	.0003	.0051	.01	.01	.002	.0000	5.6
%RSD	.1377	.0923	.6831	.7693	.0662	.0703	.1919	.0889	.7011
#1	.0797	.3174	.0509	.6615	19.10	15.19	1.144	.0554	791.9
#2	.0796	.3170	.0514	.6543	19.12	15.21	1.147	.0554	799.8

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.2414	-.0008	-.0036	.0045	F50.51	.0006	-.0016	10.43	.0000
Stddev	.0012	.0002	.0014	.0003	.15	.0008	.0017	.03	.0009
%RSD	.4827	27.28	38.44	6.146	.3011	147.5	103.8	.3258	8968.
#1	.2406	-.0007	-.0045	.0047	50.40	.0000	-.0004	10.40	.0007
#2	.2422	-.0010	-.0026	.0043	50.61	.0011	-.0028	10.45	-.0006

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.013	.0108	-.0003	.0029	.0011	.0408	-.0199
Stddev	.005	.0003	.0008	.0001	.0048	.0003	.0002
%RSD	.4610	2.701	228.3	3.789	434.7	.8513	1.034
#1	1.010	.0106	-.0009	.0029	-.0023	.0405	-.0200
#2	1.017	.0110	.0002	.0030	.0045	.0410	-.0197

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1193.6	49742.	17420.
Stddev	1.3	204.	5.
%RSD	.11172	.40930	.02970
#1	1194.5	49886.	17417.
#2	1192.6	49598.	17424.

Zoom In Zoom Out

Sample Name: MC27754-3 Acquired: 1/21/2014 17:37:20 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	.0021	-.0007	.0001	.0012	-.0003	-.0001	.0230	.0001	-.0004
Stddev	.0003	.0005	.0000	.0006	.0000	.0001	.0000	.0001	.0002	.0001
%RSD	270.6	23.09	5.469	698.1	3.967	35.90	17.07	.4526	256.5	36.11
#1	-.0001	.0025	-.0007	.0005	.0012	-.0003	-.0001	.0231	-.0001	-.0005
#2	.0003	.0018	-.0006	-.0004	.0012	-.0002	-.0001	.0229	.0002	-.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0008	.0004	-.0005	.0425	.0048	-.0001	-.0004	.2957	-.0007	.0002
Stddev	.0002	.0003	.0002	.0060	.0286	.0001	.0001	.0087	.0001	.0006
%RSD	29.39	76.04	44.20	14.07	595.7	86.96	26.75	2.955	17.47	338.5
#1	.0006	.0007	-.0003	.0383	-.0154	-.0001	-.0005	.2895	-.0008	.0006
#2	.0010	.0002	-.0007	.0468	.0250	.0000	-.0003	.3019	-.0006	-.0002

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0008	.0004	.0088	.0004	.0003	.0341	.0001	.0000	-.0004	-.0034
Stddev	.0012	.0010	.0004	.0005	.0002	.0011	.0004	.0000	.0002	.0001
%RSD	152.0	238.4	4.437	132.3	93.30	3.301	819.0	35.21	39.50	1.708
#1	.0016	-.0003	.0091	.0007	.0004	.0333	.0004	.0000	-.0006	-.0034
#2	-.0001	.0011	.0085	.0000	.0001	.0349	-.0003	.0000	-.0003	-.0035

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0004	-.0023	.0017	-.0008
Stddev	.0000	.0052	.0001	.0000
%RSD	8.646	225.1	7.426	.6467
#1	-.0004	.0014	.0016	-.0008
#2	-.0005	-.0060	.0018	-.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1264.7	51080.	18086.
Stddev	1.6	22.	147.
%RSD	.12709	.04274	.81491
#1	1265.8	51065.	17982.
#2	1263.5	51096.	18191.

Zoom In Zoom Out

Sample Name: MC27755-1F Acquired: 1/21/2014 17:42:18 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	-.0037	-.0005	-.0005	.0162	.1584	-.0001	67.45	.0005	.0024
Stddev	.001	.0016	.0009	.0006	.0002	.0009	.0000	.34	.0002	.0001
%RSD	1233.	42.56	193.8	119.9	1.007	.5641	25.33	.5082	32.03	2.299
#1	-.0004	-.0026	-.0011	-.0009	.0160	.1590	-.0001	67.69	.0004	.0024
#2	.0003	-.0048	.0002	-.0001	.0163	.1578	-.0001	67.20	.0006	.0025

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	.0012	3.549	9.433	16.15	1.143	-.0002	187.4	.0086	-.0011
Stddev	.0001	.0001	.025	.069	.20	.003	.0001	3.1	.0001	.0008
%RSD	17.76	5.503	.7131	.7325	1.221	.2987	29.86	1.673	.9179	73.46
#1	-.0004	.0012	3.567	9.482	16.29	1.140	-.0003	189.6	.0085	-.0017
#2	-.0003	.0013	3.531	9.384	16.01	1.145	-.0002	185.2	.0086	-.0005

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0025	.0030	5.103	.0008	.0005	7.777	-.0009	.3464	.0007	-.0022
Stddev	.0010	.0008	.001	.0002	.0023	.000	.0002	.0012	.0000	.0001
%RSD	40.51	26.29	.0227	18.93	500.1	.0033	25.76	.3488	.5977	2.778
#1	-.0018	.0024	5.103	.0007	-.0011	7.777	-.0007	.3473	.0007	-.0022
#2	-.0032	.0035	5.102	.0009	.0021	7.776	-.0010	.3456	.0007	-.0021

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0006	-.0011	.0360	-.0166
Stddev	.0000	.0037	.0000	.0002
%RSD	1.644	348.6	.1030	1.422
#1	-.0006	-.0037	.0361	-.0167
#2	-.0006	.0016	.0360	-.0164

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1234.6	50164.	17814.
Stddev	1.2	19.	118.
%RSD	.09391	.03705	.66240
#1	1233.8	50177.	17731.
#2	1235.5	50151.	17897.

Zoom In Zoom Out

Sample Name: MC27755-2F Acquired: 1/21/2014 17:47:18 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	.0080	.0020	-.0001	.0084	.0084	-.0001	23.12	-.0001	-.0006
Stddev	.0000	.0011	.0002	.0015	.0003	.0000	.0000	.10	.0002	.0000
%RSD	5.977	14.02	9.325	2705.	3.763	.4221	20.35	.4441	200.7	4.685
#1	-.0001	.0072	.0021	.0010	.0087	.0084	-.0001	23.20	.0000	-.0006
#2	-.0001	.0088	.0019	-.0011	.0082	.0083	-.0001	23.05	-.0002	-.0006

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0008	.0000	.0077	4.289	4.439	.0312	.0006	27.07	-.0007	-.0002
Stddev	.0005	.0002	.0001	.018	.001	.0001	.0001	.06	.0003	.0016
%RSD	67.86	2541.	1.900	.4235	.0314	.2678	16.90	.2178	48.34	796.7
#1	-.0004	-.0001	.0076	4.302	4.440	.0312	.0005	27.11	-.0009	-.0013
#2	-.0012	.0001	.0078	4.276	4.438	.0313	.0007	27.03	-.0004	.0009

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0001	-.0011	8.260	.0013	.0002	7.366	-.0001	.0536	.0005	-.0037
Stddev	.0009	.0035	.008	.0000	.0003	.011	.0001	.0002	.0004	.0018
%RSD	798.9	318.6	.0947	1.405	112.1	.1461	141.6	.2977	78.72	47.82
#1	.0005	-.0035	8.265	.0012	.0001	7.373	.0000	.0538	.0007	-.0049
#2	-.0008	.0014	8.254	.0013	.0004	7.358	-.0001	.0535	.0002	-.0024

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0001	.0003	.0070	-.0167
Stddev	.0001	.0038	.0002	.0000
%RSD	212.0	1327.	2.933	.0285
#1	.0000	-.0024	.0068	-.0167
#2	-.0001	.0030	.0071	-.0167

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1258.0	50798.	17951.
Stddev	1.0	10.	91.
%RSD	.08022	.02059	.50563
#1	1257.3	50805.	17887.
#2	1258.7	50790.	18015.

Zoom In Zoom Out

Sample Name: MC27755-3F Acquired: 1/21/2014 17:52:12 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	.0333	.0002	.0000	.0074	.0123	-.0001	18.40	.0000	-.0006
Stddev	.0001	.0039	.0017	.001	.0006	.0002	.0000	.10	.000	.0001
%RSD	12.06	11.64	1063.	2675.	7.715	1.303	3.859	.5474	9.978	12.83
#1	-.0005	.0306	-.0010	-.0005	.0070	.0122	-.0001	18.32	.0000	-.0006
#2	-.0004	.0361	.0013	.0004	.0078	.0124	-.0001	18.47	.0000	-.0007

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	.0012	.0436	3.314	5.048	.0596	.0005	193.3	.0004	-.0014
Stddev	.0001	.0002	.0013	.003	.028	.0000	.0001	3.2	.0001	.0003
%RSD	38.63	20.06	2.916	.0928	.5460	.0030	19.45	1.668	25.98	19.51
#1	-.0003	.0014	.0445	3.312	5.068	.0596	.0005	191.0	.0005	-.0016
#2	-.0004	.0011	.0427	3.317	5.029	.0596	.0004	195.6	.0003	-.0012

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0008	-.0025	5.983	.0007	-.0010	5.490	-.0001	.0495	.0016	-.0015
Stddev	.0000	.0024	.011	.0002	.0004	.004	.0003	.0001	.0004	.0003
%RSD	.8191	98.19	.1770	27.05	36.59	.0768	407.8	.1311	22.18	17.89
#1	-.0008	-.0042	5.991	.0009	-.0007	5.493	.0002	.0495	.0014	-.0013
#2	-.0008	-.0008	5.976	.0006	-.0012	5.487	-.0003	.0495	.0019	-.0017

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0012	-.0004	.0752	-.0119
Stddev	.0006	.0021	.0001	.0003
%RSD	48.27	536.6	.0950	2.670
#1	.0016	.0011	.0751	-.0121
#2	.0008	-.0019	.0752	-.0116

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1253.0	50431.	17843.
Stddev	1.1	10.	113.
%RSD	.08539	.01947	.63271
#1	1252.2	50424.	17923.
#2	1253.8	50438.	17764.

Zoom In Zoom Out

Sample Name: MC27755-4F Acquired: 1/21/2014 17:57:13 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	-.0031	-.0008	.0001	.0064	.0044	-.0001	37.52	-.0001	-.0006
Stddev	.0001	.0031	.0004	.0007	.0002	.0001	.0001	.05	.0001	.0002
%RSD	48.05	98.50	55.52	1210.	3.087	3.320	187.0	.1248	54.62	26.86
#1	-.0003	-.0053	-.0005	-.0004	.0063	.0043	-.0001	37.56	-.0002	-.0007
#2	-.0001	-.0010	-.0010	.0005	.0065	.0045	.0000	37.49	-.0001	-.0005

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	.0008	.2190	3.361	9.803	.4017	.0013	10.27	-.0006	-.0010
Stddev	.0001	.0002	.0031	.004	.068	.0002	.0000	.05	.0001	.0001
%RSD	42.62	27.59	1.395	.1142	.6952	.0619	1.322	.5212	16.76	9.767
#1	-.0002	.0009	.2211	3.364	9.851	.4018	.0013	10.30	-.0007	-.0009
#2	-.0004	.0006	.2168	3.359	9.755	.4015	.0012	10.23	-.0005	-.0010

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0004	.0011	10.34	.0008	.0003	10.26	-.0007	.0744	.0001	-.0039
Stddev	.0002	.0018	.02	.0007	.0011	.01	.0007	.0000	.0001	.0009
%RSD	37.06	152.2	.1942	89.83	347.5	.0614	94.64	.0659	240.3	22.35
#1	-.0005	-.0001	10.33	.0003	-.0005	10.27	-.0012	.0745	.0002	-.0033
#2	-.0003	.0024	10.36	.0013	.0011	10.26	-.0002	.0744	.0000	-.0046

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0000	-.0018	.0080	-.0230
Stddev	.000	.0001	.0001	.0000
%RSD	125.1	4.842	1.227	.1634
#1	.0000	-.0017	.0081	-.0230
#2	-.0001	-.0019	.0079	-.0229

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1260.4	50538.	18028.
Stddev	.0	118.	69.
%RSD	.00329	.23442	.38085
#1	1260.3	50454.	17979.
#2	1260.4	50621.	18077.

Zoom In Zoom Out

Sample Name: MC27755-6F Acquired: 1/21/2014 18:02:08 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	.0174	.0005	.0006	.0152	.0032	-.0001	15.96	.0000	-.0007
Stddev	.0001	.0003	.0008	.0013	.0002	.0001	.0000	.03	.0001	.0000
%RSD	24.68	1.962	180.7	202.6	1.065	1.706	9.529	.1700	295.4	2.040
#1	-.0005	.0176	.0011	.0015	.0151	.0032	-.0001	15.98	.0001	-.0006
#2	-.0004	.0172	-.0001	-.0003	.0153	.0033	-.0001	15.94	.0000	-.0007

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0001	.0720	6.458	3.305	.0002	.0062	16.38	-.0002	-.0012
Stddev	.0008	.0000	.0001	.029	.026	.0000	.0001	.01	.0003	.0008
%RSD	358.7	47.90	.1467	.4476	.7936	14.34	1.197	.0880	132.2	67.00
#1	-.0008	.0001	.0721	6.438	3.323	.0002	.0062	16.37	-.0004	-.0018
#2	.0004	.0001	.0719	6.479	3.286	.0003	.0061	16.39	.0000	-.0006

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0011	-.0016	13.88	.0010	-.0003	5.207	.0004	.0855	.0004	-.0033
Stddev	.0002	.0006	.12	.0004	.0003	.045	.0002	.0004	.0005	.0000
%RSD	21.29	39.50	.8759	36.02	105.0	.8585	49.31	.4164	132.8	.0458
#1	-.0010	-.0011	13.96	.0013	-.0001	5.239	.0003	.0852	.0000	-.0033
#2	-.0013	-.0020	13.79	.0008	-.0005	5.175	.0006	.0857	.0007	-.0033

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0005	.0008	.0086	-.0117
Stddev	.0005	.0013	.0005	.0001
%RSD	98.46	174.4	6.075	.5239
#1	-.0001	-.0002	.0090	-.0117
#2	-.0008	.0017	.0082	-.0118

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1266.6	50663.	18037.
Stddev	11.0	10.	60.
%RSD	.86477	.02036	.33139
#1	1258.9	50656.	17995.
#2	1274.3	50671.	18079.

Zoom In Zoom Out

Sample Name: MC27769-1 Acquired: 1/21/2014 18:07:03 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	.0421	-.0006	-.0029	.1940	2.284	-.0001	189.7	-.0005	.0001
Stddev	.0005	.0025	.0003	.0015	.0012	.004	.0000	.2	.0001	.0001
%RSD	126.2	6.000	56.46	52.24	.6358	.1854	37.40	.0989	31.94	107.7
#1	.0000	.0439	-.0009	-.0018	.1931	2.281	-.0001	189.8	-.0004	.0002
#2	-.0007	.0403	-.0004	-.0039	.1948	2.287	-.0001	189.6	-.0006	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	.0006	.4863	5.734	38.40	.3031	-.0001	321.9	.0008	-.0015
Stddev	.001	.0001	.0024	.031	.05	.0006	.0000	.6	.0006	.0002
%RSD	1817.	9.813	.4872	.5388	.1175	.2047	75.71	.1929	74.15	16.29
#1	.0005	.0006	.4846	5.713	38.43	.3036	.0000	321.4	.0012	-.0017
#2	-.0006	.0006	.4880	5.756	38.37	.3027	-.0001	322.3	.0004	-.0013

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0053	-.0025	17.63	.0009	-.0007	8.072	-.0013	2.418	.0019	-.0015
Stddev	.0012	.0031	.02	.0002	.0009	.009	.0006	.004	.0003	.0019
%RSD	23.24	126.0	.1404	23.41	130.9	.1134	46.95	.1739	13.57	131.7
#1	-.0044	-.0003	17.61	.0010	.0000	8.066	-.0009	2.421	.0021	-.0028
#2	-.0062	-.0047	17.65	.0007	-.0013	8.079	-.0017	2.415	.0017	-.0001

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0002	-.0045	.0031	-.0121
Stddev	.0002	.0016	.0000	.0019
%RSD	100.9	35.05	.3610	15.59
#1	-.0001	-.0057	.0031	-.0108
#2	-.0003	-.0034	.0031	-.0135

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1213.5	49530.	17547.
Stddev	1.1	67.	107.
%RSD	.09198	.13584	.60775
#1	1212.8	49483.	17472.
#2	1214.3	49578.	17622.

Zoom In Zoom Out

Sample Name: MC27769-3 Acquired: 1/21/2014 18:12:09 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	.3383	.0009	-.0043	.3196	6.232	-.0001	112.5	.0001	.0020
Stddev	.0000	.0018	.0002	.0003	.0000	.056	.0000	.2	.0000	.0001
%RSD	7.215	.5313	23.10	7.726	.0129	.8988	22.43	.1628	50.08	3.754
#1	-.0005	.3396	.0007	-.0045	.3196	6.193	-.0001	112.6	.0001	.0020
#2	-.0005	.3370	.0010	-.0040	.3195	6.272	-.0001	112.4	.0000	.0019

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0018	.0026	1.119	6.557	26.00	.1943	.0083	371.8	.0026	.0010
Stddev	.0007	.0006	.002	.040	.03	.0001	.0000	3.9	.0000	.0008
%RSD	38.93	22.29	.1436	.6090	.1264	.0282	.2554	1.055	.4068	80.22
#1	.0013	.0022	1.120	6.529	26.02	.1942	.0083	369.1	.0026	.0016
#2	.0022	.0030	1.118	6.585	25.98	.1943	.0083	374.6	.0026	.0004

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0027	-.0009	4.333	.0035	-.0017	6.329	.0006	3.651	.0075	-.0019
Stddev	.0012	.0016	.005	.0002	.0006	.005	.0012	.032	.0005	.0002
%RSD	45.10	173.5	.1137	6.276	37.99	.0862	203.5	.8636	6.490	12.42
#1	-.0018	.0002	4.329	.0036	-.0012	6.333	-.0003	3.674	.0072	-.0021
#2	-.0036	-.0020	4.336	.0033	-.0021	6.325	.0015	3.629	.0079	-.0017

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0007	-.0005	.0374	-.0118
Stddev	.0003	.0073	.0001	.0001
%RSD	47.60	1471.	.3536	.5234
#1	.0010	.0047	.0375	-.0118
#2	.0005	-.0057	.0373	-.0119

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1220.7	49967.	17827.
Stddev	.1	6.	70.
%RSD	.00998	.01299	.39489
#1	1220.6	49971.	17777.
#2	1220.8	49962.	17877.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/21/2014 18:17:21 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2395	9.680	1.927	-.0010	1.922	1.915	1.934	9.691	1.923	1.914
Stddev	.0004	.012	.004	.0018	.004	.000	.005	.003	.001	.003
%RSD	.1534	.1184	.1828	173.3	.2126	.0127	.2743	.0289	.0699	.1304
#1	.2397	9.688	1.925	.0002	1.919	1.915	1.930	9.689	1.922	1.912
#2	.2392	9.672	1.930	-.0023	1.925	1.915	1.938	9.693	1.924	1.915

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.922	1.918	9.747	9.673	9.662	1.922	1.923	9.855	1.926	1.921
Stddev	.005	.002	.037	.016	.032	.001	.007	.018	.003	.005
%RSD	.2407	.0763	.3820	.1643	.3331	.0623	.3502	.1821	.1581	.2506
#1	1.918	1.917	9.721	9.684	9.639	1.921	1.918	9.868	1.924	1.918
#2	1.925	1.919	9.774	9.662	9.685	1.923	1.927	9.843	1.929	1.924

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0014	.0087	-.0001	1.943	1.924	-.0169	1.986	1.983	1.917	1.917
Stddev	.0001	.0060	.0002	.003	.006	.0006	.001	.021	.000	.005
%RSD	4.397	68.84	154.5	.1609	.3345	3.803	.0729	1.056	.0141	.2796
#1	-.0015	.0045	.0000	1.941	1.920	-.0173	1.985	1.998	1.916	1.913
#2	-.0014	.0130	-.0003	1.945	1.929	-.0164	1.987	1.968	1.917	1.921

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.944	.0041	1.910	-.0059
Stddev	.000	.0072	.001	.0000
%RSD	.0022	176.6	.0710	.0942
#1	1.944	-.0010	1.911	-.0059
#2	1.944	.0092	1.909	-.0059

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1288.8	50848.	18162.
Stddev	1.8	177.	3.
%RSD	.13986	.34803	.01431
#1	1290.1	50973.	18164.
#2	1287.5	50723.	18160.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/21/2014 18:22:09 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	.0013	-.0019	.0005	.0020	-.0001	.0000	.0009	.0003	.0000
Stddev	.0004	.0025	.0008	.0000	.0004	.0002	.0000	.0008	.0001	.0001
%RSD	86.89	186.1	44.32	9.053	18.85	124.9	82.44	93.23	33.40	359.2
#1	-.0008	-.0004	-.0025	.0004	.0023	-.0002	.0000	.0014	.0002	.0000
#2	-.0002	.0031	-.0013	.0005	.0018	.0000	.0000	.0003	.0003	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0003	-.0001	-.0017	.0390	.0131	.0001	.0022	.1409	.0001	.0003
Stddev	.0004	.0002	.0006	.0238	.0040	.0000	.0007	.0007	.0000	.0010
%RSD	107.7	216.3	36.71	61.06	30.53	15.69	32.06	.5087	27.79	368.3
#1	-.0006	.0001	-.0022	.0559	.0103	.0001	.0028	.1404	.0001	.0010
#2	-.0001	-.0003	-.0013	.0222	.0159	.0001	.0017	.1414	.0002	-.0004

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0010	-.0028	.0015	.0001	.0010	-.0003	.0001	.0001	.0004	.0003
Stddev	.0002	.0016	.0001	.0005	.0017	.0005	.0002	.0001	.0005	.0002
%RSD	21.35	55.24	6.524	371.9	184.1	187.3	201.1	73.70	131.7	73.62
#1	-.0008	-.0040	.0015	.0004	-.0003	.0001	.0000	.0001	.0000	.0005
#2	-.0011	-.0017	.0016	-.0002	.0022	-.0007	.0002	.0002	.0007	.0001

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0000	-.0062	.0003	-.0003
Stddev	.0004	.0085	.0000	.0002
%RSD	4720.	136.1	7.829	61.05
#1	.0003	-.0122	.0002	-.0004
#2	-.0003	-.0002	.0003	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1293.9	51001.	18011.
Stddev	1.7	102.	3.
%RSD	.13160	.19909	.01877
#1	1292.7	51073.	18013.
#2	1295.1	50929.	18009.

Zoom In Zoom Out

Sample Name: CRI Acquired: 1/21/2014 18:27:07 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0045	.1959	.0037	-.0002	.0992	.0486	.0040	4.948	.0041	.0494
Stddev	.0001	.0011	.0010	.0004	.0008	.0000	.0000	.017	.0001	.0001
%RSD	2.886	.5381	27.69	175.4	.8398	.0399	1.187	.3395	2.050	.1606
#1	.0046	.1967	.0045	.0001	.0986	.0486	.0040	4.936	.0042	.0494
#2	.0044	.1952	.0030	-.0006	.0998	.0486	.0040	4.960	.0041	.0495

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0086	.0237	.0986	4.905	4.947	.0145	.1000	5.091	.0401	.0047
Stddev	.0003	.0004	.0007	.021	.012	.0002	.0002	.011	.0002	.0006
%RSD	3.961	1.805	.6820	.4340	.2335	1.076	.1539	.2142	.5693	13.40
#1	.0084	.0234	.0991	4.920	4.955	.0146	.1001	5.083	.0399	.0043
#2	.0088	.0240	.0981	4.890	4.939	.0144	.0999	5.099	.0402	.0052

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0005	-.0026	.0005	.0063	.0107	.0021	.0992	.0102	.0489	.0039
Stddev	.0007	.0018	.0006	.0000	.0005	.0002	.0010	.0001	.0008	.0000
%RSD	132.4	70.17	110.1	.0291	4.233	8.629	.9976	.5588	1.604	.6700
#1	.0000	-.0039	.0009	.0063	.0104	.0022	.0985	.0102	.0484	.0039
#2	-.0011	-.0013	.0001	.0063	.0111	.0019	.0999	.0101	.0495	.0039

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0096	-.0003	.0201	-.0007
Stddev	.0002	.0028	.0002	.0004
%RSD	1.943	848.2	1.057	53.06
#1	.0095	-.0023	.0203	-.0005
#2	.0098	.0016	.0200	-.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1287.2	51301.	18027.
Stddev	4.2	90.	104.
%RSD	.32408	.17488	.57853
#1	1290.1	51238.	18101.
#2	1284.2	51365.	17953.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 1/21/2014 18:32:03 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0048	.1936	.0105	.0001	.1006	.0493	.0041	4.877	.0041	.0495
Stddev	.0001	.0034	.0009	.0009	.0002	.0002	.0000	.006	.0001	.0002
%RSD	2.636	1.758	8.186	626.0	.2040	.3949	.3358	.1254	3.640	.4374
#1	.0048	.1960	.0111	.0008	.1004	.0494	.0041	4.872	.0040	.0497
#2	.0049	.1912	.0099	-.0005	.1007	.0491	.0041	4.881	.0042	.0494

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0093	.0239	.0975	4.853	4.902	.0147	.1004	5.077	.0405	.0108
Stddev	.0000	.0003	.0005	.011	.023	.0002	.0006	.009	.0000	.0004
%RSD	.4240	1.223	.4873	.2197	.4618	1.386	.5564	.1807	.0162	3.295
#1	.0092	.0237	.0978	4.861	4.886	.0146	.1008	5.071	.0405	.0105
#2	.0093	.0241	.0971	4.846	4.918	.0149	.1000	5.084	.0405	.0110

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0002	-.0009	.0022	.0108	.0097	.0061	.0998	.0103	.0484	.0103
Stddev	.0008	.0002	.0018	.0001	.0014	.0000	.0001	.0000	.0001	.0003
%RSD	459.4	24.33	79.81	.8369	14.55	.3164	.1403	.1271	.1198	3.299
#1	.0007	-.0007	.0035	.0108	.0107	.0061	.0999	.0103	.0484	.0106
#2	-.0004	-.0010	.0010	.0109	.0087	.0060	.0997	.0103	.0485	.0101

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0096	-.0049	.0196	-.0005
Stddev	.0002	.0050	.0000	.0004
%RSD	1.977	101.4	.1953	77.67
#1	.0095	-.0014	.0196	-.0007
#2	.0098	-.0084	.0196	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1281.1	51125.	18086.
Stddev	2.9	105.	63.
%RSD	.22362	.20506	.34735
#1	1279.1	51200.	18042.
#2	1283.2	51051.	18131.

Zoom In Zoom Out

Sample Name: MP22401-B1 Acquired: 1/21/2014 18:36:58 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1953	2.135	.5309	-.0011	.0019	2.039	.5136	24.39	.5102	.4997
Stddev	.0003	.015	.0020	.0001	.0002	.002	.0010	.16	.0011	.0002
%RSD	.1305	.7077	.3754	11.58	8.971	.0796	.1900	.6605	.2230	.0491
#1	.1951	2.124	.5295	-.0012	.0021	2.038	.5143	24.51	.5110	.4999
#2	.1954	2.145	.5323	-.0010	.0018	2.040	.5129	24.28	.5094	.4995

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4930	.4998	2.075	25.12	25.95	.4908	-.0002	25.88	.4952	1.011
Stddev	.0000	.0000	.013	.05	.14	.0014	.0001	.06	.0000	.000
%RSD	.0058	.0079	.6171	.1963	.5534	.2813	88.48	.2284	.0021	.0370
#1	.4930	.4998	2.084	25.09	26.05	.4917	-.0001	25.84	.4952	1.011
#2	.4929	.4998	2.066	25.16	25.85	.4898	-.0003	25.92	.4953	1.012

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0003	.0007	.0218	.5000	.5009	.0058	.0092	.5203	.4870	.4910
Stddev	.0005	.0018	.0003	.0035	.0003	.0010	.0002	.0002	.0006	.0007
%RSD	136.3	260.9	1.499	.6982	.0575	17.94	2.403	.0372	.1216	.1366
#1	.0000	-.0006	.0216	.4975	.5011	.0051	.0093	.5201	.4874	.4915
#2	.0007	.0020	.0220	.5024	.5007	.0066	.0090	.5204	.4866	.4905

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5194	-.0053	.5183	-.0012
Stddev	.0004	.0006	.0001	.0001
%RSD	.0836	12.28	.0223	11.19
#1	.5197	-.0048	.5182	-.0011
#2	.5191	-.0057	.5184	-.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1258.0	50705.	17843.
Stddev	2.0	128.	141.
%RSD	.16123	.25253	.78909
#1	1256.6	50614.	17743.
#2	1259.4	50796.	17942.

Zoom In Zoom Out

Sample Name: MP22401-MB1 Acquired: 1/21/2014 18:41:47 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	.0033	-.0003	-.0008	.0003	.0006	.0001	.0267	.0000	-.0004
Stddev	.0002	.0016	.0001	.0006	.0001	.0001	.0000	.0009	.0000	.0002
%RSD	228.7	48.29	27.84	78.34	44.91	14.03	22.67	3.314	138.7	36.34
#1	.0003	.0021	-.0003	-.0004	.0002	.0005	.0001	.0261	.0001	-.0003
#2	-.0001	.0044	-.0004	-.0012	.0004	.0006	.0001	.0273	.0000	-.0006

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	.0004	.0287	.0603	.0234	.0003	-.0004	.1439	.0000	-.0003
Stddev	.0001	.0002	.0012	.0115	.0190	.0000	.0000	.0035	.0003	.0001
%RSD	128.5	53.76	4.043	19.05	81.17	10.01	8.184	2.413	1733.	27.68
#1	.0000	.0002	.0295	.0684	.0369	.0003	-.0004	.1464	-.0002	-.0002
#2	-.0002	.0005	.0279	.0522	.0100	.0003	-.0004	.1415	.0002	-.0004

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0004	-.0030	.0103	.0041	.0009	.0094	.0129	.0001	.0002	-.0026
Stddev	.0010	.0030	.0002	.0011	.0006	.0003	.0003	.0000	.0006	.0005
%RSD	257.9	98.32	1.757	26.61	62.05	3.193	2.283	23.18	412.8	19.95
#1	.0011	-.0051	.0102	.0048	.0005	.0092	.0131	.0001	.0006	-.0022
#2	-.0003	-.0009	.0105	.0033	.0013	.0097	.0127	.0001	-.0003	-.0029

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0007	-.0029	.0027	-.0010
Stddev	.0001	.0037	.0000	.0002
%RSD	18.46	127.8	1.681	19.01
#1	-.0006	-.0055	.0027	-.0009
#2	-.0008	-.0003	.0027	-.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1269.9	51203.	18019.
Stddev	.8	60.	30.
%RSD	.06661	.11718	.16495
#1	1269.3	51160.	18040.
#2	1270.5	51245.	17998.

Zoom In Zoom Out

Sample Name: MP22401-S1 Acquired: 1/21/2014 18:46:45 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2468	70.69	.5417	.0012	.0727	2.328	.4813	91.27	.7570	.8034
Stddev	.0004	.01	.0001	.0021	.0006	.002	.0007	.07	.0007	.0000
%RSD	.1592	.0123	.0214	176.4	.8571	.0665	.1377	.0793	.0951	.0052
#1	.2466	70.68	.5418	-.0003	.0731	2.329	.4818	91.22	.7565	.8035
#2	.2471	70.69	.5417	.0027	.0722	2.327	.4809	91.32	.7575	.8034

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	7.597	1.084	94.31	30.98	42.45	2.779	.1618	26.24	4.208	1.333
Stddev	.036	.002	.04	.03	.09	.013	.0007	.01	.007	.002
%RSD	.4753	.2097	.0389	.1039	.2109	.4760	.4240	.0284	.1743	.1275
#1	7.623	1.082	94.34	31.01	42.51	2.788	.1613	26.25	4.203	1.334
#2	7.572	1.085	94.29	30.96	42.38	2.770	.1622	26.24	4.213	1.332

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0121	-.0031	11.08	.3438	.4793	8.708	.0557	.6302	5.265	.4601
Stddev	.0015	.0027	.01	.0014	.0013	.108	.0007	.0000	.025	.0020
%RSD	12.49	87.54	.0644	.4048	.2730	1.235	1.249	.0078	.4659	.4354
#1	-.0132	-.0050	11.09	.3428	.4802	8.784	.0552	.6302	5.282	.4587
#2	-.0111	-.0012	11.07	.3448	.4783	8.632	.0562	.6302	5.247	.4615

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.6918	.0838	1.499	-.0048
Stddev	.0007	.0058	.004	.0002
%RSD	.1032	6.935	.2848	4.309
#1	.6923	.0797	1.496	-.0047
#2	.6913	.0879	1.502	-.0049

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1315.3	52753.	18995.
Stddev	.0	624.	15.
%RSD	.00361	1.1823	.08094
#1	1315.3	52312.	18984.
#2	1315.3	53194.	19006.

Zoom In Zoom Out

Sample Name: MP22401-S2 Acquired: 1/21/2014 18:51:30 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2371	77.96	.5343	-.0014	.0744	2.465	.5190	88.46	.7165	.7688
Stddev	.0004	3.09	.0016	.0004	.0007	.102	.0212	3.80	.0012	.0010
%RSD	.1638	3.969	.2946	26.58	.9615	4.143	4.081	4.296	.1650	.1298
#1	.2374	80.15	.5332	-.0012	.0739	2.537	.5340	91.15	.7157	.7681
#2	.2368	75.77	.5354	-.0017	.0749	2.392	.5040	85.77	.7173	.7695

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	6.296	1.184	103.6	32.53	45.04	2.440	.1207	28.04	4.110	1.336
Stddev	.003	.003	4.1	1.38	1.92	.004	.0006	1.14	.001	.000
%RSD	.0425	.2902	3.970	4.227	4.251	.1788	.4931	4.057	.0146	.0242
#1	6.294	1.187	106.5	33.50	46.40	2.437	.1203	28.84	4.111	1.336
#2	6.298	1.182	100.7	31.56	43.69	2.443	.1212	27.23	4.110	1.336

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0082	-.0040	8.598	.3291	.4727	8.440	.0702	.6830	5.148	.4551
Stddev	.0016	.0062	.024	.0007	.0008	.021	.0011	.0274	.004	.0014
%RSD	19.70	155.7	.2751	.2195	.1728	.2543	1.520	4.005	.0685	.3023
#1	-.0070	.0004	8.581	.3296	.4732	8.455	.0694	.7023	5.151	.4541
#2	-.0093	-.0084	8.615	.3286	.4721	8.425	.0709	.6636	5.146	.4561

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.6721	.1094	1.449	-.0028
Stddev	.0004	.0086	.003	.0008
%RSD	.0570	7.897	.2066	28.58
#1	.6718	.1155	1.447	-.0022
#2	.6724	.1033	1.451	-.0034

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1324.6	53248.	17678.
Stddev	1.2	107.	682.
%RSD	.09097	.20058	3.8559
#1	1323.8	53173.	17196.
#2	1325.5	53324.	18160.

Zoom In Zoom Out

Sample Name: MC27753-7 Acquired: 1/21/2014 18:56:16 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0417	61.81	.0313	.0017	.0536	.3745	.0023	49.24	.1917	.2897
Stddev	.0000	.07	.0010	.0001	.0002	.0001	.0000	.10	.0005	.0007
%RSD	.1013	.1136	3.325	4.255	.2881	.0312	.7727	.2016	.2628	.2440
#1	.0416	61.76	.0321	.0018	.0537	.3746	.0023	49.17	.1913	.2892
#2	.0417	61.86	.0306	.0016	.0535	.3744	.0023	49.31	.1921	.2902

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	4.717	.4768	85.74	6.171	15.30	1.904	.1084	1.484	3.383	.3519
Stddev	.009	.0009	.09	.029	.08	.000	.0002	.003	.010	.0024
%RSD	.2006	.1822	.1065	.4628	.5079	.0013	.1955	.2151	.2910	.6758
#1	4.710	.4762	85.67	6.191	15.25	1.904	.1083	1.482	3.376	.3503
#2	4.723	.4774	85.80	6.151	15.36	1.904	.1086	1.486	3.390	.3536

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0081	.0009	7.605	.0047	.0039	7.513	.0558	.1190	4.437	.0015
Stddev	.0013	.0030	.025	.0012	.0008	.117	.0004	.0002	.012	.0013
%RSD	15.55	327.4	.3286	25.72	19.94	1.559	.7317	.1577	.2595	85.67
#1	-.0089	-.0012	7.587	.0056	.0045	7.430	.0556	.1189	4.445	.0024
#2	-.0072	.0030	7.623	.0039	.0034	7.596	.0561	.1191	4.429	.0006

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1758	.0527	.9056	-.0040
Stddev	.0007	.0059	.0003	.0003
%RSD	.3987	11.13	.0346	6.885
#1	.1753	.0568	.9054	-.0042
#2	.1763	.0485	.9058	-.0038

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1349.8	53574.	18918.
Stddev	2.7	35.	10.
%RSD	.20230	.06504	.05123
#1	1351.7	53549.	18925.
#2	1347.9	53598.	18911.

Zoom In Zoom Out

Sample Name: MP22401-SD1 Acquired: 1/21/2014 19:01:05 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0439	65.51	.0361	.0040	.0542	.4003	.0020	52.60	.2016	.3068
Stddev	.0016	.19	.0041	.0014	.0026	.0002	.0001	.11	.0007	.0012
%RSD	3.566	.2932	11.48	36.12	4.809	.0524	2.732	.1997	.3449	.3908
#1	.0450	65.65	.0390	.0050	.0523	.4001	.0019	52.67	.2011	.3059
#2	.0428	65.38	.0332	.0029	.0560	.4004	.0020	52.52	.2021	.3076

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	5.047	.4921	92.86	6.797	16.23	2.035	.1128	1.919	3.621	.3775
Stddev	.008	.0006	.21	.008	.01	.005	.0001	.024	.009	.0045
%RSD	.1628	.1168	.2289	.1188	.0389	.2366	.0663	1.271	.2536	1.198
#1	5.052	.4917	93.01	6.803	16.22	2.038	.1128	1.902	3.615	.3807
#2	5.041	.4925	92.71	6.791	16.23	2.031	.1129	1.936	3.628	.3743

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0111	-.0116	8.057	.0081	.0054	9.263	.0566	.1316	4.704	-.0033
Stddev	.0007	.0209	.018	.0007	.0018	.015	.0018	.0080	.009	.0026
%RSD	5.943	179.6	.2217	8.629	32.90	.1589	3.242	6.052	.1938	79.54
#1	-.0107	-.0264	8.044	.0086	.0042	9.252	.0579	.1373	4.710	-.0014
#2	-.0116	.0031	8.069	.0077	.0067	9.273	.0553	.1260	4.697	-.0051

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1852	.0423	.9897	-.0075
Stddev	.0017	.0193	.0027	.0015
%RSD	.9350	45.59	.2708	19.78
#1	.1839	.0287	.9878	-.0085
#2	.1864	.0560	.9916	-.0064

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1314.9	51835.	18239.
Stddev	5.9	74.	67.
%RSD	.44844	.14273	.36543
#1	1319.0	51782.	18192.
#2	1310.7	51887.	18287.

Zoom In Zoom Out

Sample Name: MP22401-B2 Acquired: 1/21/2014 19:05:56 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2034	2.097	.5254	-.0004	.0017	2.008	.5001	23.88	.5057	.4934
Stddev	.0071	.072	.0050	.0004	.0000	.074	.0189	.95	.0028	.0038
%RSD	3.484	3.420	.9483	84.37	2.598	3.692	3.785	3.988	.5590	.7608
#1	.2084	2.046	.5218	-.0007	.0018	1.955	.4867	23.21	.5037	.4907
#2	.1984	2.147	.5289	-.0002	.0017	2.060	.5134	24.56	.5077	.4960

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5049	.5123	2.043	24.72	25.22	.5047	-.0004	25.34	.4868	.9959
Stddev	.0149	.0159	.083	.87	.93	.0176	.0001	.89	.0033	.0060
%RSD	2.957	3.097	4.049	3.516	3.699	3.478	22.89	3.498	.6768	.6073
#1	.5155	.5235	1.984	24.11	24.56	.5171	-.0005	24.71	.4845	.9917
#2	.4943	.5010	2.101	25.34	25.88	.4923	-.0003	25.96	.4892	1.000

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0001	.0020	.0148	.4992	.4912	.0083	.0111	.5067	.5073	.4851
Stddev	.0013	.0012	.0023	.0067	.0039	.0002	.0004	.0186	.0156	.0035
%RSD	1047.	58.91	15.31	1.333	.7888	2.434	3.451	3.662	3.085	.7227
#1	.0010	.0012	.0132	.4945	.4885	.0084	.0114	.4936	.5184	.4827
#2	-.0008	.0028	.0164	.5039	.4940	.0081	.0109	.5198	.4962	.4876

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5333	-.0031	.5156	.0006
Stddev	.0170	.0047	.0037	.0009
%RSD	3.187	153.0	.7086	154.3
#1	.5453	-.0065	.5130	.0012
#2	.5213	.0003	.5182	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1266.8	49104.	18004.
Stddev	4.7	1520.	623.
%RSD	.36750	3.0947	3.4603
#1	1270.1	48029.	18444.
#2	1263.5	50178.	17563.

Zoom In Zoom Out

Sample Name: MP22401-LC1 Acquired: 1/21/2014 19:10:45 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.3272	74.65	.9232	.0027	.9348	1.605	.5276	57.24	.6031	.9544
Stddev	.0009	.04	.0018	.0002	.0029	.001	.0008	.11	.0001	.0015
%RSD	.2634	.0470	.1963	5.678	.3055	.0635	.1544	.1900	.0116	.1564
#1	.3278	74.62	.9219	.0028	.9328	1.605	.5270	57.16	.6032	.9555
#2	.3266	74.67	.9245	.0026	.9368	1.606	.5282	57.31	.6031	.9533

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6595	.7598	116.1	36.14	29.29	2.689	.3687	6.536	.5428	.8636
Stddev	.0007	.0021	.2	.02	.04	.005	.0005	.010	.0019	.0018
%RSD	.1019	.2756	.1936	.0637	.1386	.1731	.1446	.1520	.3564	.2034
#1	.6591	.7583	115.9	36.12	29.26	2.692	.3684	6.529	.5414	.8648
#2	.6600	.7612	116.2	36.16	29.32	2.686	.3691	6.543	.5441	.8624

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0133	.0087	2.817	.7289	1.581	11.78	1.038	.6815	2.231	1.159
Stddev	.0008	.0078	.001	.0014	.001	.15	.002	.0013	.004	.001
%RSD	6.077	89.59	.0225	.1948	.0402	1.291	.1417	.1847	.1974	.0485
#1	-.0127	.0142	2.817	.7279	1.581	11.88	1.037	.6806	2.234	1.159
#2	-.0139	.0032	2.816	.7299	1.580	11.67	1.039	.6824	2.228	1.159

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5271	.0136	1.295	.0323
Stddev	.0011	.0043	.002	.0002
%RSD	.2120	31.72	.1149	.5718
#1	.5263	.0167	1.296	.0324
#2	.5279	.0106	1.294	.0321

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1373.9	54929.	19546.
Stddev	1.7	305.	60.
%RSD	.12338	.55592	.30658
#1	1375.1	54713.	19588.
#2	1372.7	55145.	19504.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/21/2014 19:15:28 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2399	9.712	1.930	-.0014	1.921	1.892	1.946	9.740	1.920	1.917
Stddev	.0003	.053	.004	.0010	.002	.007	.007	.020	.002	.001
%RSD	.1456	.5447	.2092	69.11	.0913	.3486	.3425	.2073	.0904	.0604
#1	.2401	9.749	1.933	-.0007	1.919	1.897	1.951	9.754	1.919	1.916
#2	.2396	9.675	1.927	-.0021	1.922	1.887	1.941	9.725	1.921	1.917

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.911	1.921	9.898	9.624	9.731	1.906	1.927	9.819	1.935	1.923
Stddev	.003	.004	.023	.015	.045	.001	.004	.017	.003	.001
%RSD	.1564	.1835	.2327	.1511	.4633	.0633	.2112	.1726	.1367	.0333
#1	1.909	1.918	9.914	9.634	9.763	1.907	1.924	9.831	1.933	1.923
#2	1.913	1.923	9.882	9.614	9.699	1.905	1.930	9.807	1.937	1.924

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0007	.0082	.0004	1.946	1.927	-.0111	1.996	2.042	1.886	1.915
Stddev	.0019	.0027	.0004	.001	.000	.0008	.000	.033	.002	.003
%RSD	265.6	33.03	116.9	.0278	.0015	7.593	.0018	1.599	.0868	.1542
#1	-.0021	.0102	.0001	1.947	1.927	-.0117	1.996	2.019	1.888	1.913
#2	.0006	.0063	.0007	1.946	1.927	-.0105	1.996	2.065	1.885	1.917

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.925	.0044	1.915	-.0034
Stddev	.003	.0054	.001	.0007
%RSD	.1686	123.3	.0701	21.75
#1	1.922	.0006	1.914	-.0029
#2	1.927	.0083	1.916	-.0039

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1288.9	51433.	17858.
Stddev	3.3	156.	23.
%RSD	.25375	.30406	.12627
#1	1291.2	51323.	17874.
#2	1286.6	51544.	17842.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/21/2014 19:20:17 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0001	.0027	-.0008	.0011	.0015	.0002	F.0004	.0037	.0000
Stddev	.0002	.0039	.0008	.0013	.0005	.0000	.0001	.0016	.000
%RSD	255.8	147.3	101.6	113.0	32.95	20.30	18.46	41.86	139.5
#1	.0002	.0055	-.0014	.0020	.0019	.0002	.0005	.0048	-.0001
#2	-.0001	-.0001	-.0002	.0002	.0012	.0001	.0004	.0026	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0002	-.0002	-.0002	.0085	.0589	-.0026	.0001	.0018	.0548
Stddev	.0000	.0001	.0001	.0006	.0032	.0067	.0002	.0005	.0045
%RSD	14.41	64.31	81.51	7.021	5.473	254.7	402.7	27.99	8.268
#1	-.0002	-.0003	-.0003	.0089	.0612	.0021	.0002	.0022	.0516
#2	-.0002	-.0001	-.0001	.0081	.0567	-.0073	-.0001	.0015	.0580

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0002	-.0004	.0010	-.0074	.0042	.0017	.0001	.0020	-.0003
Stddev	.0001	.0007	.0003	.0036	.0003	.0005	.0001	.0002	.0005
%RSD	58.20	184.1	31.97	49.37	6.018	29.31	105.8	12.06	161.7
#1	-.0003	-.0008	.0007	-.0048	.0040	.0020	.0002	.0018	.0000
#2	-.0001	.0001	.0012	-.0100	.0044	.0013	.0000	.0021	-.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0005	.0003	-.0018	-.0002	-.0086	.0003	-.0007
Stddev	.0000	.0006	.0005	.0001	.0024	.0001	.0003
%RSD	7.782	213.5	26.18	32.56	28.54	19.45	48.89
#1	.0005	.0007	-.0015	-.0003	-.0068	.0004	-.0004
#2	.0004	-.0001	-.0022	-.0002	-.0103	.0003	-.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1286.6	51518.	17868.
Stddev	.4	196.	77.
%RSD	.02747	.38073	.43089
#1	1286.4	51379.	17814.
#2	1286.9	51656.	17923.

Zoom In Zoom Out

Sample Name: MP22401-S3 Acquired: 1/21/2014 19:25:16 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1917	6.024	.5299	-.0010	.0035	2.834	.5534	26.32	.5075	.4994
Stddev	.0010	.362	.0005	.0012	.0003	.173	.0385	2.03	.0002	.0006
%RSD	.5282	6.013	.0874	118.1	8.777	6.116	6.959	7.726	.0433	.1133
#1	.1910	5.768	.5295	-.0019	.0033	2.711	.5262	24.88	.5074	.4998
#2	.1925	6.280	.5302	-.0002	.0037	2.956	.5807	27.75	.5077	.4990

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.016	.5895	3.643	27.08	27.98	.4922	.0009	28.25	.4962	1.037
Stddev	.000	.0000	.252	1.70	2.04	.0009	.0000	1.73	.0001	.000
%RSD	.0183	.0035	6.911	6.287	7.310	.1858	2.272	6.140	.0138	.0036
#1	2.017	.5895	3.465	25.88	26.53	.4916	.0009	27.03	.4962	1.037
#2	2.016	.5894	3.821	28.29	29.43	.4929	.0010	29.48	.4961	1.037

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0010	-.0059	17.49	.4765	.5341	.0385	.0220	.5905	.6765	.4793
Stddev	.0003	.0045	.02	.0013	.0012	.0008	.0004	.0367	.0024	.0007
%RSD	25.94	76.67	.1000	.2690	.2214	2.004	1.834	6.214	.3618	.1447
#1	-.0012	-.0091	17.48	.4755	.5349	.0391	.0223	.5646	.6748	.4788
#2	-.0008	-.0027	17.51	.4774	.5332	.0380	.0217	.6165	.6783	.4798

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5704	-.0017	.5276	.0012
Stddev	.0008	.0018	.0009	.0001
%RSD	.1419	106.5	.1640	4.546
#1	.5698	-.0004	.5270	.0011
#2	.5709	-.0029	.5282	.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1243.8	51419.	16606.
Stddev	4.5	4.	1222.
%RSD	.36020	.00723	7.3599
#1	1240.7	51422.	17470.
#2	1247.0	51417.	15742.

Zoom In Zoom Out

Sample Name: MP22401-S4 Acquired: 1/21/2014 19:30:04 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1882	5.391	.5368	-.0016	.0028	2.555	.5002	23.56	.5028	.4967
Stddev	.0001	.016	.0005	.0012	.0000	.004	.0003	.02	.0000	.0005
%RSD	.0299	.3036	.0902	72.99	1.266	.1779	.0554	.0941	.0002	.1056
#1	.1882	5.379	.5364	-.0008	.0028	2.551	.5000	23.57	.5028	.4971
#2	.1882	5.402	.5371	-.0025	.0028	2.558	.5004	23.54	.5028	.4963

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.008	.5847	3.272	24.59	25.00	.4877	.0004	25.72	.4942	1.024
Stddev	.009	.0004	.009	.06	.02	.0015	.0000	.06	.0013	.002
%RSD	.4283	.0609	.2625	.2637	.0734	.3011	12.09	.2276	.2632	.2239
#1	2.014	.5844	3.266	24.55	25.01	.4888	.0004	25.68	.4952	1.022
#2	2.002	.5849	3.278	24.64	24.99	.4867	.0004	25.76	.4933	1.026

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0003	-.0025	17.75	.4597	.5361	.0351	.0227	.5362	.6701	.4755
Stddev	.0006	.0036	.01	.0012	.0006	.0010	.0002	.0006	.0009	.0008
%RSD	197.4	144.6	.0372	.2510	.1059	2.935	1.068	.1075	.1378	.1748
#1	.0001	.0001	17.75	.4589	.5365	.0343	.0228	.5358	.6708	.4749
#2	-.0007	-.0050	17.76	.4605	.5357	.0358	.0225	.5366	.6695	.4761

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5692	-.0051	.5281	.0008
Stddev	.0020	.0027	.0004	.0003
%RSD	.3508	52.35	.0764	39.11
#1	.5706	-.0032	.5278	.0010
#2	.5678	-.0069	.5284	.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1249.9	51992.	18288.
Stddev	4.0	321.	6.
%RSD	.32034	.61791	.03528
#1	1247.0	51765.	18283.
#2	1252.7	52219.	18292.

Zoom In Zoom Out

Sample Name: MC27748-1 Acquired: 1/21/2014 19:34:51 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0001	3.209	.0110	.0008	.0007	.5362	.0000	.1768
Stddev	.0003	.008	.0005	.0003	.0002	.0002	.000	.0004
%RSD	369.3	.2450	4.985	31.95	22.90	.0315	157.0	.2135
#1	.0003	3.204	.0114	.0010	.0008	.5361	.0000	.1771
#2	-.0001	3.215	.0106	.0006	.0006	.5363	.0000	.1765

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0002	-.0002	1.515	.0829	1.253	.0714	.0203	.0127
Stddev	.0000	.0001	.004	.0004	.005	.0133	.0003	.0000
%RSD	12.96	86.42	.2982	.5217	.4262	18.67	1.477	.3334
#1	.0002	-.0001	1.512	.0832	1.249	.0620	.0205	.0128
#2	.0002	-.0003	1.518	.0826	1.257	.0808	.0201	.0127

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0000	.0717	.0023	.0370	-.0001	-.0050	17.80	.0041
Stddev	.0002	.0003	.0001	.0008	.0002	.0001	.04	.0006
%RSD	411.6	.4440	5.007	2.082	268.7	2.699	.2183	15.57
#1	-.0001	.0714	.0024	.0376	-.0002	-.0049	17.83	.0046
#2	.0002	.0719	.0022	.0365	.0001	-.0051	17.77	.0037

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0090	.0397	.0238	.0142	.1986	F-.0072	.0627	-.0050
Stddev	.0008	.0002	.0004	.0000	.0001	.0008	.0004	.0047
%RSD	8.376	.4378	1.887	.2581	.0401	11.77	.5620	94.41
#1	.0085	.0396	.0235	.0142	.1985	-.0078	.0624	-.0017
#2	.0095	.0399	.0241	.0141	.1986	-.0066	.0629	-.0083

Elem	Zn2062	Zr3391
Avg	.0261	.0005
Stddev	.0001	.0000
%RSD	.2440	3.222
#1	.0261	.0005
#2	.0262	.0005

Zoom In Zoom Out

Sample Name: MC27748-1 Acquired: 1/21/2014 19:34:51 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1274.9	52877.	18472.
Stddev	3.7	93.	76.
%RSD	.29346	.17510	.41198
#1	1272.3	52942.	18526.
#2	1277.6	52812.	18418.

Zoom In Zoom Out

Sample Name: MC27722-3 Acquired: 1/21/2014 19:39:47 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0003	197.1	.1055	-.0019	.0149	.6517	.0060	16.15	.0020
Stddev	.0005	.7	.0010	.0002	.0000	.0046	.0000	.14	.0001
%RSD	166.0	.3666	.9436	11.11	.1931	.6986	.1823	.8829	5.379
#1	.0000	197.6	.1062	-.0018	.0149	.6549	.0060	16.05	.0020
#2	-.0006	196.5	.1048	-.0021	.0149	.6485	.0060	16.25	.0019

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.1381	.2264	.1451	F309.5	7.996	53.68	5.737	.0035	.3433
Stddev	.0002	.0009	.0002	3.2	.070	.34	.000	.0004	.0025
%RSD	.1488	.3837	.1501	1.034	.8808	.6265	.0040	11.72	.7393
#1	.1382	.2258	.1453	307.3	8.046	53.44	5.737	.0037	.3450
#2	.1379	.2270	.1450	311.8	7.947	53.92	5.737	.0032	.3415

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.2853	.1185	-.0494	.0189	2.617	-.0019	.0066	11.49	.0173
Stddev	.0005	.0016	.0000	.0009	.014	.0009	.0011	.03	.0007
%RSD	.1752	1.387	.0461	4.514	.5491	47.89	16.28	.2220	3.840
#1	.2856	.1197	-.0494	.0195	2.627	-.0025	.0059	11.47	.0178
#2	.2849	.1173	-.0494	.0183	2.607	-.0012	.0074	11.51	.0169

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.1087	.8409	-.0007	.2308	.0197	.8212	.0321
Stddev	.0002	.0065	.0003	.0011	.0123	.0010	.0002
%RSD	.2107	.7759	35.20	.4948	62.37	.1160	.7108
#1	.1089	.8455	-.0006	.2300	.0283	.8218	.0319
#2	.1086	.8363	-.0009	.2316	.0110	.8205	.0323

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1346.4	54993.	19764.
Stddev	3.2	139.	312.
%RSD	.23668	.25269	1.5802
#1	1344.1	54894.	19985.
#2	1348.7	55091.	19544.

Zoom In Zoom Out

Sample Name: MC27722-4 Acquired: 1/21/2014 19:44:49 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0001	171.6	.0870	-.0010	.0142	.5378	.0052	22.87	.0015
Stddev	.0000	.2	.0004	.0017	.0000	.0012	.0000	.00	.0000
%RSD	20.83	.1292	.5069	163.3	.1289	.2250	.3471	.0166	1.223
#1	-.0001	171.8	.0873	.0002	.0142	.5387	.0052	22.87	.0015
#2	-.0001	171.5	.0866	-.0022	.0142	.5370	.0052	22.87	.0016

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.1338	.2111	.0689	F292.3	8.039	55.99	6.184	.0014	.3362
Stddev	.0002	.0015	.0004	1.5	.016	.04	.040	.0002	.0085
%RSD	.1133	.7323	.6099	.5259	.1954	.0655	.6495	14.79	2.541
#1	.1337	.2100	.0692	293.4	8.050	56.01	6.156	.0015	.3423
#2	.1339	.2122	.0686	291.2	8.027	55.96	6.213	.0012	.3302

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.2946	.0785	-.0473	.0231	1.676	-.0018	.0029	10.08	.0157
Stddev	.0003	.0001	.0003	.0007	.007	.0013	.0004	.10	.0002
%RSD	.1032	.1516	.6067	2.934	.4324	70.35	14.74	.9505	1.159
#1	.2948	.0786	-.0475	.0235	1.681	-.0028	.0026	10.15	.0155
#2	.2943	.0784	-.0471	.0226	1.671	-.0009	.0032	10.01	.0158

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.1101	.6220	-.0001	.1962	.0056	.6830	.0304
Stddev	.0002	.0028	.0001	.0009	.0015	.0001	.0007
%RSD	.2007	.4445	89.19	.4701	26.80	.0134	2.279
#1	.1102	.6239	.0000	.1968	.0067	.6829	.0299
#2	.1099	.6200	-.0002	.1955	.0045	.6830	.0309

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1346.9	54977.	19796.
Stddev	2.5	240.	43.
%RSD	.18250	.43577	.21475
#1	1345.2	55146.	19765.
#2	1348.7	54807.	19826.

Zoom In Zoom Out

Sample Name: MC27722-5 Acquired: 1/21/2014 19:49:51 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0005	177.3	.0803	-.0015	.0143	.6556	.0055	20.95
Stddev	.0002	.0	.0007	.0005	.0006	.0004	.0000	.12
%RSD	31.17	.0083	.8902	32.86	3.835	.0553	.5055	.5539
#1	-.0004	177.3	.0798	-.0011	.0147	.6554	.0055	21.03
#2	-.0006	177.3	.0808	-.0018	.0140	.6559	.0056	20.87

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0014	.1390	.2191	.2294	F311.4	10.26	57.69	6.539
Stddev	.0000	.0006	.0015	.0011	2.4	.06	.29	.031
%RSD	3.518	.4581	.7002	.4986	.7738	.5700	.5029	.4809
#1	.0014	.1394	.2180	.2302	313.1	10.22	57.89	6.517
#2	.0014	.1385	.2202	.2286	309.7	10.31	57.48	6.561

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0004	.3926	.3025	.0797	F-.0508	.0279	1.927	-.0011
Stddev	.0001	.0042	.0014	.0001	.0008	.0035	.005	.0009
%RSD	12.71	1.076	.4761	.0996	1.617	12.47	.2606	86.03
#1	.0005	.3956	.3035	.0798	-.0514	.0254	1.930	-.0004
#2	.0004	.3896	.3015	.0797	-.0502	.0303	1.923	-.0018

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0039	9.994	.0139	.1265	.6198	-.0004	.1999	.0135
Stddev	.0019	.187	.0009	.0001	.0178	.0007	.0014	.0053
%RSD	48.32	1.866	6.848	.0981	2.870	167.6	.7091	39.51
#1	.0026	10.13	.0132	.1265	.6072	-.0009	.1989	.0173
#2	.0052	9.862	.0145	.1266	.6324	.0001	.2009	.0097

Elem	Zn2062	Zr3391
Avg	.7980	.0403
Stddev	.0002	.0001
%RSD	.0216	.3097
#1	.7979	.0402
#2	.7981	.0404

Zoom In Zoom Out

Sample Name: MC27722-5 Acquired: 1/21/2014 19:49:51 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1406.6	57587.	20427.
Stddev	4.2	167.	140.
%RSD	.30152	.28953	.68434
#1	1403.6	57705.	20328.
#2	1409.6	57469.	20526.

Zoom In Zoom Out

Sample Name: MC27722-6 Acquired: 1/21/2014 19:54:52 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0006	170.1	.1155	-.0005	.0095	.3842	.0058	3.819	.0009
Stddev	.0005	.1	.0004	.0006	.0006	.0003	.0001	.001	.0001
%RSD	73.17	.0499	.3427	133.3	6.745	.0691	1.326	.0159	14.79
#1	-.0003	170.1	.1152	-.0009	.0099	.3840	.0059	3.819	.0008
#2	-.0009	170.2	.1158	.0000	.0090	.3844	.0057	3.818	.0010

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.1219	.2042	.2182	F312.4	7.361	45.50	3.276	.0006	.2073
Stddev	.0005	.0009	.0002	.6	.042	.05	.008	.0001	.0093
%RSD	.4425	.4257	.1097	.1934	.5728	.1043	.2339	18.86	4.471
#1	.1223	.2048	.2184	311.9	7.331	45.53	3.281	.0006	.2007
#2	.1215	.2036	.2180	312.8	7.391	45.46	3.270	.0007	.2138

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.2401	.0893	-.0493	.0054	.2873	-.0009	.0089	10.29	.0161
Stddev	.0009	.0006	.0020	.0005	.0010	.0004	.0001	.17	.0001
%RSD	.3608	.6489	4.071	9.497	.3592	41.49	.8950	1.663	.8576
#1	.2407	.0889	-.0507	.0050	.2881	-.0012	.0090	10.41	.0162
#2	.2395	.0897	-.0479	.0057	.2866	-.0007	.0089	10.17	.0160

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0495	.6353	-.0026	.2049	.0110	.5812	.0546
Stddev	.0005	.0004	.0014	.0014	.0045	.0005	.0011
%RSD	1.005	.0650	52.56	.7033	40.76	.0824	2.104
#1	.0499	.6350	-.0036	.2059	.0142	.5815	.0538
#2	.0492	.6356	-.0016	.2038	.0078	.5809	.0554

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1339.4	54791.	19399.
Stddev	3.6	164.	12.
%RSD	.27176	.29902	.06101
#1	1336.8	54675.	19390.
#2	1342.0	54907.	19407.

Zoom In Zoom Out

Sample Name: MC27722-7 Acquired: 1/21/2014 19:59:48 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0002	154.4	.1102	-.0023	.0066	.3631	.0055	1.960	.0009
Stddev	.0003	.4	.0005	.0017	.0006	.0002	.0000	.014	.0001
%RSD	192.4	.2424	.4152	72.11	8.406	.0572	.8235	.7104	11.25
#1	-.0004	154.6	.1105	-.0035	.0062	.3629	.0055	1.970	.0008
#2	.0001	154.1	.1098	-.0011	.0070	.3632	.0055	1.950	.0010

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.1411	.1936	.2255	F304.7	6.724	51.24	5.458	-.0010	.1944
Stddev	.0001	.0018	.0014	1.7	.003	.19	.014	.0000	.0054
%RSD	.0666	.9430	.6008	.5486	.0408	.3729	.2465	3.262	2.794
#1	.1411	.1948	.2246	305.8	6.722	51.38	5.467	-.0009	.1905
#2	.1410	.1923	.2265	303.5	6.726	51.11	5.448	-.0010	.1982

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.2818	.0834	-.0480	.0233	.1945	-.0016	.0043	8.783	.0125
Stddev	.0002	.0000	.0010	.0027	.0029	.0014	.0006	.071	.0001
%RSD	.0573	.0134	2.172	11.79	1.508	86.38	14.64	.8071	.9852
#1	.2817	.0834	-.0472	.0252	.1965	-.0006	.0047	8.833	.0125
#2	.2820	.0834	-.0487	.0213	.1924	-.0026	.0038	8.733	.0124

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0427	.3751	-.0007	.1656	.0195	.6703	.0615
Stddev	.0002	.0041	.0003	.0007	.0066	.0003	.0001
%RSD	.5643	1.086	38.95	.4170	33.97	.0393	.2423
#1	.0428	.3722	-.0009	.1661	.0241	.6701	.0614
#2	.0425	.3779	-.0005	.1651	.0148	.6705	.0617

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1350.8	55227.	19592.
Stddev	1.0	123.	152.
%RSD	.07311	.22308	.77460
#1	1350.1	55140.	19485.
#2	1351.5	55314.	19700.

Zoom In Zoom Out

Sample Name: MC27722-8 Acquired: 1/21/2014 20:04:50 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	-.0007	200.3	.1069	-.0004	.0128	.4176	.0067	6.161
Stddev	.0002	.1	.0013	.0024	.0005	.0000	.0000	.011
%RSD	27.11	.0306	1.175	588.6	3.798	.0021	.4277	.1807
#1	-.0008	200.3	.1077	.0013	.0131	.4175	.0067	6.153
#2	-.0006	200.2	.1060	-.0021	.0125	.4176	.0067	6.169

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0011	.0977	.2305	.2841	F315.3	10.93	50.47	2.377
Stddev	.0001	.0002	.0016	.0012	2.5	.03	.22	.005
%RSD	12.65	.2291	.6794	.4111	.8089	.3058	.4301	.1981
#1	.0010	.0975	.2316	.2849	313.5	10.95	50.31	2.381
#2	.0012	.0978	.2294	.2833	317.1	10.91	50.62	2.374

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	.0051	.1408	.2649	.1045	F-.0504	-.0059	.5436	-.0010
Stddev	.0001	.0021	.0000	.0005	.0004	.0011	.0009	.0003
%RSD	1.477	1.497	.0159	.4372	.7560	19.17	.1721	28.23
#1	.0051	.1393	.2649	.1042	-.0502	-.0067	.5443	-.0012
#2	.0052	.1423	.2649	.1048	-.0507	-.0051	.5430	-.0008

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.0030	8.193	.0129	.0574	1.048	.0007	.2485	.0119
Stddev	.0013	.143	.0004	.0002	.010	.0001	.0006	.0024
%RSD	43.91	1.751	2.996	.2835	.9944	7.239	.2534	20.49
#1	.0021	8.294	.0132	.0575	1.055	.0007	.2489	.0137
#2	.0040	8.091	.0126	.0573	1.040	.0008	.2481	.0102

Elem	Zn2062	Zr3391
Avg	.7793	.1115
Stddev	.0004	.0000
%RSD	.0570	.0094
#1	.7796	.1115
#2	.7790	.1115

Zoom In Zoom Out

Sample Name: MC27722-8 Acquired: 1/21/2014 20:04:50 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1427.8	57928.	20719.
Stddev	1.2	39.	128.
%RSD	.08458	.06775	.61606
#1	1427.0	57900.	20809.
#2	1428.7	57955.	20629.

Zoom In Zoom Out

Sample Name: MC27753-11 Acquired: 1/21/2014 20:09:44 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.1739	78.97	.0351	.0010	.1583	.4705	.0021	143.8	.6471
Stddev	.0007	.03	.0012	.0003	.0008	.0012	.0001	.2	.0001
%RSD	.3756	.0419	3.517	30.31	.4771	.2465	2.368	.1413	.0078
#1	.1744	78.99	.0343	.0012	.1578	.4713	.0021	143.7	.6471
#2	.1735	78.95	.0360	.0008	.1589	.4697	.0022	143.9	.6471

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.7109	F15.53	1.108	107.1	7.198	17.93	1.877	.3802	2.067
Stddev	.0000	.03	.001	.1	.011	.06	.003	.0010	.010
%RSD	.0060	.1751	.0575	.0943	.1590	.3107	.1693	.2694	.4948
#1	.7110	15.55	1.109	107.1	7.206	17.89	1.880	.3795	2.075
#2	.7109	15.51	1.108	107.2	7.190	17.97	1.875	.3809	2.060

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	9.016	.8844	-.0158	-.0311	F43.41	.0117	.0054	8.369	.1475
Stddev	.006	.0014	.0011	.0027	.05	.0000	.0014	.123	.0026
%RSD	.0649	.1529	6.958	8.717	.1219	.3069	26.68	1.465	1.789
#1	9.012	.8835	-.0150	-.0331	43.37	.0118	.0044	8.455	.1456
#2	9.020	.8854	-.0166	-.0292	43.44	.0117	.0064	8.282	.1494

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.2630	7.891	.0037	.3263	.1783	5.194	.0549
Stddev	.0002	.001	.0000	.0015	.0053	.012	.0092
%RSD	.0894	.0178	.2302	.4486	2.967	.2332	16.80
#1	.2632	7.890	.0037	.3273	.1746	5.185	.0614
#2	.2628	7.892	.0037	.3253	.1820	5.202	.0483

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1300.9	53475.	19006.
Stddev	.1	175.	35.
%RSD	.00783	.32735	.18581
#1	1300.8	53351.	19031.
#2	1301.0	53599.	18981.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/21/2014 20:14:30 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2343	9.763	1.938	-.0018	1.920	1.888	1.968	9.617	1.924	1.931
Stddev	.0009	.037	.009	.0002	.005	.003	.007	.049	.003	.004
%RSD	.3945	.3779	.4694	8.508	.2536	.1457	.3629	.5115	.1614	.2191
#1	.2349	9.737	1.945	-.0019	1.923	1.886	1.963	9.582	1.926	1.934
#2	.2336	9.789	1.932	-.0017	1.917	1.890	1.973	9.652	1.922	1.928

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.932	1.954	9.928	9.552	9.769	1.896	1.947	9.939	1.979	1.944
Stddev	.005	.002	.023	.004	.035	.002	.001	.004	.004	.006
%RSD	.2469	.1140	.2293	.0380	.3561	.0904	.0540	.0455	.2069	.2959
#1	1.929	1.953	9.912	9.549	9.744	1.895	1.948	9.943	1.982	1.948
#2	1.936	1.956	9.944	9.554	9.794	1.897	1.946	9.936	1.976	1.940

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0023	.0079	.0116	1.974	1.954	-.0058	2.047	2.067	1.856	1.918
Stddev	.0010	.0014	.0004	.004	.004	.0008	.003	.001	.002	.005
%RSD	45.54	17.81	3.493	.1855	.1901	13.80	.1544	.0700	.0970	.2557
#1	-.0030	.0069	.0119	1.977	1.957	-.0052	2.049	2.066	1.857	1.921
#2	-.0015	.0089	.0113	1.972	1.951	-.0064	2.045	2.068	1.854	1.914

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.930	.0135	1.915	.0006
Stddev	.005	.0044	.002	.0009
%RSD	.2648	32.89	.0876	154.4
#1	1.926	.0166	1.916	.0012
#2	1.933	.0103	1.914	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1275.4	52083.	18082.
Stddev	2.1	16.	57.
%RSD	.16083	.03128	.31607
#1	1274.0	52094.	18123.
#2	1276.9	52071.	18042.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/21/2014 20:19:14 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0097	.0008	.0008	.0017	-.0002	.0001	.0035	.0003	.0002
Stddev	.0002	.0026	.0004	.0008	.0006	.0001	.0001	.0012	.0002	.0000
%RSD	81.65	27.15	44.99	100.4	37.15	83.67	60.42	34.45	51.89	15.80
#1	-.0003	.0078	.0006	.0002	.0021	-.0003	.0002	.0026	.0004	.0003
#2	-.0001	.0115	.0011	.0013	.0012	-.0001	.0001	.0043	.0002	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0005	.0132	.0173	.0126	.0002	.0023	.0168	.0003	.0005
Stddev	.0007	.0002	.0001	.0255	.0057	.0001	.0008	.0004	.0001	.0007
%RSD	350.0	35.86	.6135	148.0	45.59	70.04	34.10	2.514	46.42	142.1
#1	.0003	.0004	.0133	-.0008	.0167	.0001	.0029	.0165	.0002	.0000
#2	-.0007	.0007	.0132	.0353	.0085	.0003	.0018	.0171	.0003	.0010

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0005	.0017	.0078	.0008	.0014	.0039	.0002	.0001	.0005	.0000
Stddev	.0001	.0009	.0006	.0004	.0027	.0017	.0005	.0000	.0003	.001
%RSD	26.74	50.95	8.192	57.31	188.4	44.83	236.3	3.291	60.41	4784.
#1	.0004	.0023	.0083	.0005	.0033	.0051	.0006	.0001	.0003	.0005
#2	.0007	.0011	.0074	.0011	-.0005	.0026	-.0001	.0001	.0007	-.0006

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0002	-.0016	.0004	-.0013
Stddev	.0003	.0050	.0001	.0002
%RSD	202.2	311.6	23.97	14.13
#1	-.0004	-.0051	.0005	-.0012
#2	.0001	.0019	.0003	-.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1280.8	51792.	17861.
Stddev	10.5	64.	44.
%RSD	.81702	.12430	.24437
#1	1273.4	51746.	17891.
#2	1288.2	51837.	17830.

Zoom In Zoom Out

Sample Name: MC27753-4 Acquired: 1/21/2014 20:24:13 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0020	68.37	.0231	-.0005	.0600	.3595	.0029	24.81	.0124	.0563
Stddev	.0000	.18	.0004	.0009	.0003	.0002	.0000	.05	.0000	.0001
%RSD	1.527	.2630	1.695	161.3	.4976	.0542	.7643	.1960	.0755	.1164
#1	.0020	68.50	.0228	.0001	.0602	.3597	.0029	24.84	.0124	.0564
#2	.0020	68.25	.0233	-.0011	.0598	.3594	.0029	24.77	.0124	.0563

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.3321	.4407	92.60	7.336	26.02	1.873	.0146	1.821	.2626	.1053
Stddev	.0016	.0016	.23	.023	.14	.003	.0000	.000	.0001	.0009
%RSD	.4752	.3527	.2472	.3118	.5524	.1591	.1566	.0186	.0561	.8571
#1	.3332	.4396	92.76	7.320	26.12	1.875	.0146	1.821	.2625	.1059
#2	.3310	.4418	92.44	7.353	25.92	1.870	.0147	1.820	.2627	.1046

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0106	.0029	1.214	-.0003	.0042	7.199	.0103	.0774	2.877	-.0004
Stddev	.0006	.0002	.001	.0003	.0017	.111	.0006	.0002	.006	.0001
%RSD	5.833	8.231	.0764	89.06	41.12	1.543	6.145	.2191	.1953	24.48
#1	-.0101	.0027	1.215	-.0001	.0030	7.278	.0107	.0776	2.881	-.0005
#2	-.0110	.0031	1.213	-.0005	.0055	7.121	.0098	.0773	2.873	-.0004

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1649	-.0007	1.159	-.0037
Stddev	.0002	.0069	.003	.0008
%RSD	.1424	1005.	.2143	21.51
#1	.1651	.0042	1.157	-.0031
#2	.1647	-.0055	1.161	-.0042

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1341.1	54637.	19092.
Stddev	.0	199.	75.
%RSD	.00151	.36451	.39042
#1	1341.1	54496.	19040.
#2	1341.1	54778.	19145.

Zoom In Zoom Out

Sample Name: MC27753-6 Acquired: 1/21/2014 20:29:02 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0903	65.97	.0382	.0009	.0642	.3834	.0022	52.79	.2167	.3454
Stddev	.0010	1.26	.0016	.0008	.0005	.0075	.0000	.92	.0003	.0000
%RSD	1.147	1.907	4.280	85.42	.8166	1.953	1.733	1.745	.1443	.0011
#1	.0895	66.86	.0370	.0014	.0645	.3887	.0023	53.44	.2170	.3454
#2	.0910	65.08	.0393	.0003	.0638	.3782	.0022	52.14	.2165	.3454

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	5.550	.5149	114.5	6.058	16.06	1.916	.1149	1.525	3.521	.4175
Stddev	.021	.0014	2.0	.106	.33	.006	.0004	.029	.002	.0010
%RSD	.3706	.2803	1.777	1.757	2.063	.3282	.3059	1.885	.0532	.2461
#1	5.535	.5159	115.9	6.133	16.30	1.912	.1151	1.545	3.522	.4168
#2	5.564	.5139	113.1	5.982	15.83	1.921	.1146	1.504	3.519	.4183

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0130	-.0005	9.327	.0043	.0051	6.550	.2403	.1278	5.309	.0014
Stddev	.0004	.0021	.001	.0000	.0016	.016	.0009	.0026	.007	.0001
%RSD	3.097	447.7	.0059	.1308	31.24	.2498	.3788	2.036	.1271	9.813
#1	-.0127	.0010	9.328	.0043	.0062	6.562	.2397	.1297	5.304	.0013
#2	-.0133	-.0020	9.327	.0043	.0040	6.539	.2410	.1260	5.314	.0015

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2226	.0747	1.029	.0028
Stddev	.0003	.0044	.001	.0001
%RSD	.1341	5.952	.0975	3.976
#1	.2224	.0716	1.028	.0027
#2	.2228	.0779	1.029	.0029

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1325.9	53996.	19007.
Stddev	.4	93.	282.
%RSD	.02991	.17138	1.4813
#1	1325.6	54061.	18807.
#2	1326.2	53930.	19206.

Zoom In Zoom Out

Sample Name: MC27753-9 Acquired: 1/21/2014 20:33:50 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0513	74.59	.0270	-.0004	.0862	.4364	.0029	56.07	.2349	.2613
Stddev	.0001	.21	.0000	.0017	.0001	.0014	.0001	.18	.0004	.0006
%RSD	.2262	.2799	.0775	386.3	.1175	.3243	1.951	.3222	.1831	.2136
#1	.0514	74.44	.0270	-.0017	.0862	.4354	.0029	55.94	.2346	.2609
#2	.0512	74.74	.0270	.0008	.0861	.4374	.0029	56.20	.2352	.2617

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	4.379	.5729	104.2	8.187	24.08	2.196	.1017	1.739	2.839	.3347
Stddev	.012	.0010	.3	.031	.10	.002	.0003	.001	.005	.0011
%RSD	.2744	.1762	.3126	.3827	.4074	.0860	.2781	.0330	.1928	.3337
#1	4.370	.5737	104.0	8.165	24.01	2.194	.1015	1.739	2.835	.3339
#2	4.387	.5722	104.4	8.209	24.15	2.197	.1019	1.739	2.843	.3355

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0133	-.0040	9.900	.0020	.0045	7.307	.0538	.1267	4.567	.0010
Stddev	.0008	.0016	.019	.0008	.0000	.014	.0002	.0005	.014	.0001
%RSD	6.070	40.93	.1941	39.81	.1808	.1913	.3575	.3995	.3156	13.70
#1	-.0139	-.0029	9.886	.0014	.0045	7.316	.0537	.1263	4.557	.0009
#2	-.0128	-.0052	9.913	.0025	.0045	7.297	.0540	.1270	4.578	.0011

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2054	.0525	5.193	.0008
Stddev	.0016	.0029	.002	.0001
%RSD	.7601	5.548	.0377	16.85
#1	.2043	.0504	5.194	.0007
#2	.2065	.0545	5.191	.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1342.8	54708.	19240.
Stddev	1.5	92.	21.
%RSD	.10940	.16894	.10986
#1	1343.8	54773.	19254.
#2	1341.7	54643.	19225.

Zoom In Zoom Out

Sample Name: MC27754-10 Acquired: 1/21/2014 20:38:37 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	37.96	.0156	.0008	.0039	.1596	.0019	4.439	.0004	.0565
Stddev	.0001	.22	.0002	.0007	.0002	.0009	.0000	.026	.0001	.0001
%RSD	33.71	.5719	1.245	89.08	6.000	.5366	.8215	.5817	18.02	.2033
#1	-.0005	37.81	.0157	.0014	.0037	.1590	.0019	4.421	.0003	.0566
#2	-.0003	38.12	.0155	.0003	.0040	.1602	.0019	4.458	.0004	.0565

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0574	.0681	83.99	5.138	13.14	2.507	.0009	.4880	.1089	.0336
Stddev	.0001	.0005	.44	.018	.07	.005	.0000	.0096	.0006	.0001
%RSD	.2522	.7177	.5248	.3504	.5232	.1997	2.297	1.974	.5347	.2871
#1	.0573	.0677	83.68	5.126	13.09	2.504	.0009	.4812	.1084	.0336
#2	.0575	.0684	84.31	5.151	13.19	2.511	.0009	.4948	.1093	.0335

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0095	.0105	.1696	-.0005	.0021	3.540	.0094	.0280	2.158	-.0011
Stddev	.0003	.0037	.0004	.0009	.0001	.052	.0002	.0002	.000	.0009
%RSD	2.928	34.95	.2442	176.1	6.093	1.476	1.799	.5866	.0199	83.47
#1	-.0093	.0131	.1699	.0001	.0020	3.577	.0095	.0279	2.158	-.0005
#2	-.0097	.0079	.1693	-.0012	.0022	3.503	.0093	.0281	2.159	-.0018

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0943	.0032	.1265	-.0035
Stddev	.0002	.0086	.0003	.0005
%RSD	.2197	268.6	.2424	13.33
#1	.0944	.0093	.1263	-.0039
#2	.0941	-.0029	.1267	-.0032

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1347.5	54203.	19109.
Stddev	.2	91.	93.
%RSD	.01292	.16712	.48758
#1	1347.6	54267.	19175.
#2	1347.4	54139.	19043.

Zoom In Zoom Out

Sample Name: MC27754-4 Acquired: 1/21/2014 20:43:29 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0180	61.84	.0219	-.0003	.0636	.3335	.0027	25.71	.0022	.0458
Stddev	.0002	.00	.0008	.0016	.0005	.0001	.0000	.06	.0001	.0003
%RSD	1.249	.0015	3.444	534.7	.7162	.0321	.9548	.2204	5.941	.6284
#1	.0178	61.84	.0213	-.0014	.0639	.3334	.0026	25.75	.0023	.0456
#2	.0182	61.84	.0224	.0008	.0632	.3336	.0027	25.67	.0021	.0460

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1507	.1183	100.8	6.666	23.15	2.337	.0021	1.099	.1086	.3291
Stddev	.0013	.0003	.2	.028	.05	.004	.0001	.004	.0001	.0001
%RSD	.8943	.2354	.2054	.4162	.1990	.1658	2.429	.3242	.0647	.0305
#1	.1516	.1185	100.9	6.647	23.12	2.340	.0021	1.096	.1086	.3291
#2	.1497	.1181	100.7	6.686	23.18	2.334	.0021	1.101	.1085	.3292

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0114	.0064	1.368	-.0009	.0018	7.281	.0083	.0829	3.244	.0001
Stddev	.0004	.0031	.001	.0001	.0010	.143	.0002	.0001	.007	.0002
%RSD	3.401	48.83	.1036	9.205	55.33	1.963	2.248	.0742	.2133	150.0
#1	-.0112	.0042	1.369	-.0010	.0011	7.382	.0084	.0830	3.249	.0003
#2	-.0117	.0087	1.367	-.0008	.0025	7.180	.0082	.0829	3.239	.0000

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1734	.0089	.2528	.0025
Stddev	.0001	.0001	.0001	.0002
%RSD	.0665	1.206	.0273	6.904
#1	.1735	.0088	.2528	.0024
#2	.1733	.0090	.2529	.0027

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1354.5	54642.	19319.
Stddev	.3	187.	114.
%RSD	.01877	.34252	.58809
#1	1354.4	54510.	19238.
#2	1354.7	54775.	19399.

Zoom In Zoom Out

Sample Name: MC27754-5 Acquired: 1/21/2014 20:48:18 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0151	72.89	.0246	.0017	.1265	.3556	.0032	17.82	.0032	.0486
Stddev	.0002	.03	.0018	.0010	.0005	.0002	.0000	.06	.0001	.0003
%RSD	1.634	.0453	7.393	55.41	.3766	.0620	.5534	.3208	3.595	.5546
#1	.0149	72.92	.0233	.0024	.1261	.3554	.0032	17.86	.0031	.0484
#2	.0152	72.87	.0258	.0011	.1268	.3557	.0032	17.78	.0033	.0488

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1192	.1408	108.1	6.094	23.67	2.226	.0022	1.247	.1325	.1753
Stddev	.0010	.0005	.1	.005	.10	.005	.0000	.006	.0003	.0002
%RSD	.8118	.3402	.0707	.0781	.4025	.2313	.1100	.5014	.2080	.1237
#1	.1199	.1411	108.1	6.090	23.74	2.229	.0022	1.251	.1323	.1755
#2	.1186	.1405	108.0	6.097	23.61	2.222	.0022	1.243	.1327	.1752

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0126	.0065	2.562	-.0005	.0043	7.503	.0099	.0700	3.496	-.0002
Stddev	.0002	.0044	.001	.0002	.0018	.198	.0005	.0001	.005	.0007
%RSD	1.823	67.58	.0218	39.48	41.48	2.641	4.706	.0895	.1379	284.1
#1	-.0128	.0034	2.562	-.0006	.0055	7.644	.0095	.0701	3.493	.0002
#2	-.0125	.0096	2.563	-.0003	.0030	7.363	.0102	.0700	3.500	-.0007

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2120	.0081	.3253	.0020
Stddev	.0019	.0075	.0004	.0012
%RSD	.9050	93.17	.1307	59.95
#1	.2133	.0028	.3250	.0012
#2	.2106	.0134	.3256	.0029

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1357.4	54948.	19246.
Stddev	2.3	172.	69.
%RSD	.16606	.31344	.35979
#1	1359.0	54826.	19197.
#2	1355.8	55069.	19295.

Zoom In Zoom Out

Sample Name: MC27754-6 Acquired: 1/21/2014 20:53:08 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	58.70	.0124	.0008	.0203	.1512	.0024	5.233	.0002	.0342
Stddev	.0002	.01	.0009	.0003	.0001	.0001	.0000	.011	.0001	.0000
%RSD	73.63	.0232	7.641	32.51	.5883	.0577	.7797	.2015	24.50	.1290
#1	.0005	58.69	.0131	.0006	.0204	.1512	.0024	5.226	.0002	.0342
#2	.0002	58.71	.0117	.0010	.0202	.1513	.0024	5.241	.0003	.0342

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0725	.0573	76.39	4.746	15.61	1.338	.0005	.8545	.0845	.0319
Stddev	.0003	.0002	.14	.024	.02	.004	.0001	.0110	.0004	.0007
%RSD	.4351	.2849	.1893	.5090	.1329	.2592	21.77	1.289	.4389	2.154
#1	.0727	.0574	76.29	4.763	15.59	1.336	.0005	.8467	.0848	.0324
#2	.0723	.0572	76.49	4.728	15.62	1.341	.0006	.8623	.0843	.0314

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0074	.0034	.6206	-.0019	.0033	6.018	.0071	.0275	2.966	-.0016
Stddev	.0003	.0016	.0054	.0001	.0005	.064	.0006	.0009	.009	.0002
%RSD	4.151	47.80	.8659	7.195	14.61	1.068	8.084	3.284	.3124	9.985
#1	-.0072	.0046	.6244	-.0018	.0029	6.063	.0076	.0269	2.959	-.0015
#2	-.0076	.0023	.6168	-.0020	.0036	5.973	.0067	.0282	2.972	-.0017

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1139	-.0040	.1369	-.0039
Stddev	.0001	.0032	.0012	.0003
%RSD	.0715	78.39	.8813	8.521
#1	.1140	-.0018	.1377	-.0041
#2	.1138	-.0063	.1360	-.0037

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1349.8	54345.	19207.
Stddev	10.2	194.	47.
%RSD	.75379	.35614	.24434
#1	1342.6	54482.	19240.
#2	1357.0	54208.	19174.

Zoom In Zoom Out

Sample Name: MC27754-9 Acquired: 1/21/2014 20:57:58 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	40.22	.0139	.0009	.0052	.1494	.0018	4.839	.0004	.0462
Stddev	.0000	.02	.0007	.0005	.0000	.0005	.0000	.023	.0000	.0002
%RSD	7.841	.0416	5.142	58.57	.2854	.3370	.1444	.4664	1.711	.3870
#1	-.0003	40.21	.0145	.0005	.0052	.1491	.0018	4.855	.0004	.0463
#2	-.0003	40.23	.0134	.0013	.0052	.1498	.0018	4.823	.0004	.0461

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0609	.0631	85.01	4.357	15.81	2.465	.0006	.5197	.1110	.0271
Stddev	.0009	.0003	.09	.006	.07	.007	.0001	.0098	.0003	.0000
%RSD	1.447	.4896	.1088	.1396	.4507	.2787	9.699	1.879	.2358	.1647
#1	.0603	.0629	85.07	4.362	15.86	2.470	.0006	.5128	.1112	.0271
#2	.0615	.0633	84.94	4.353	15.76	2.460	.0005	.5266	.1108	.0271

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0090	.0107	.1461	-.0007	.0036	2.875	.0097	.0424	1.978	-.0018
Stddev	.0006	.0025	.0011	.0011	.0002	.012	.0001	.0000	.007	.0006
%RSD	6.903	23.01	.7221	165.4	6.839	.4297	.9273	.0853	.3370	33.31
#1	-.0095	.0090	.1468	.0001	.0038	2.866	.0096	.0423	1.983	-.0023
#2	-.0086	.0125	.1453	-.0015	.0034	2.883	.0097	.0424	1.974	-.0014

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0942	-.0048	.1341	-.0011
Stddev	.0011	.0053	.0001	.0002
%RSD	1.168	109.3	.0783	16.52
#1	.0950	-.0011	.1340	-.0012
#2	.0934	-.0086	.1341	-.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1347.4	54737.	19113.
Stddev	.1	53.	126.
%RSD	.00736	.09684	.66142
#1	1347.3	54700.	19024.
#2	1347.5	54775.	19203.

Zoom In Zoom Out

Sample Name: MC27756-1 Acquired: 1/21/2014 21:02:48 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	82.23	.0246	-.0013	.0526	.4578	.0029	29.17	.0021	.1010
Stddev	.0002	.20	.0006	.0014	.0002	.0010	.0001	.20	.0000	.0001
%RSD	42.94	.2475	2.629	111.0	.3618	.2240	1.798	.6908	.0730	.0996
#1	-.0005	82.08	.0241	-.0023	.0525	.4571	.0029	29.02	.0021	.1011
#2	-.0003	82.37	.0250	-.0003	.0528	.4585	.0030	29.31	.0021	.1009

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1415	.3461	181.0	5.366	40.86	5.686	.0021	5.256	.1286	.8510
Stddev	.0005	.0028	1.0	.031	.41	.166	.0001	.008	.0005	.0016
%RSD	.3627	.8043	.5385	.5746	1.013	2.917	3.827	.1484	.3739	.1892
#1	.1419	.3481	180.3	5.344	40.56	5.803	.0020	5.250	.1283	.8521
#2	.1412	.3441	181.7	5.388	41.15	5.569	.0021	5.261	.1290	.8498

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0240	.0285	.7838	-.0017	.0044	6.728	.0067	.1241	5.278	.0003
Stddev	.0013	.0057	.0006	.0004	.0008	.129	.0003	.0011	.036	.0008
%RSD	5.477	20.02	.0725	22.09	18.03	1.921	4.001	.8662	.6842	289.7
#1	-.0249	.0245	.7843	-.0014	.0039	6.820	.0065	.1234	5.303	-.0003
#2	-.0231	.0326	.7834	-.0019	.0050	6.637	.0069	.1249	5.252	.0008

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.4656	.0132	.5445	.0249
Stddev	.0043	.0021	.0003	.0002
%RSD	.9202	15.90	.0543	.7554
#1	.4687	.0117	.5443	.0250
#2	.4626	.0147	.5447	.0248

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1374.5	55490.	19534.
Stddev	.9	254.	106.
%RSD	.06729	.45783	.54480
#1	1373.8	55311.	19609.
#2	1375.1	55670.	19459.

Zoom In Zoom Out

Sample Name: MC27756-2 Acquired: 1/21/2014 21:07:43 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	87.16	.0239	-.0010	.0260	.5012	.0031	18.76	.0015	.0836
Stddev	.0003	.06	.0004	.0006	.0005	.0002	.0000	.02	.0001	.0001
%RSD	143.1	.0685	1.806	62.10	1.831	.0355	1.319	.0835	7.047	.1343
#1	.0000	87.20	.0236	-.0015	.0256	.5014	.0031	18.77	.0015	.0836
#2	-.0005	87.12	.0242	-.0006	.0263	.5011	.0031	18.75	.0014	.0837

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2121	.4032	180.0	4.367	41.76	3.911	.0019	4.533	.1257	.3579
Stddev	.0007	.0002	.2	.001	.04	.006	.0001	.000	.0001	.0004
%RSD	.3095	.0493	.0930	.0214	.0980	.1560	5.485	.0099	.0936	.1077
#1	.2125	.4033	180.1	4.368	41.73	3.916	.0019	4.534	.1257	.3576
#2	.2116	.4030	179.9	4.367	41.79	3.907	.0020	4.533	.1256	.3582

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0226	.0157	.8189	-.0008	.0040	6.796	.0085	.0860	4.504	.0014
Stddev	.0008	.0042	.0011	.0009	.0014	.123	.0007	.0000	.022	.0005
%RSD	3.608	26.82	.1358	108.2	34.97	1.810	8.676	.0414	.4886	33.03
#1	-.0220	.0127	.8196	-.0002	.0030	6.883	.0079	.0860	4.520	.0018
#2	-.0231	.0187	.8181	-.0015	.0050	6.709	.0090	.0860	4.489	.0011

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.4927	.0052	.6159	.0181
Stddev	.0006	.0066	.0003	.0002
%RSD	.1272	127.8	.0474	.9449
#1	.4932	.0005	.6157	.0182
#2	.4923	.0099	.6161	.0179

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1374.9	55830.	19589.
Stddev	1.0	144.	41.
%RSD	.07347	.25710	.21168
#1	1375.6	55729.	19560.
#2	1374.2	55932.	19619.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/21/2014 21:12:33 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2269	9.768	1.932	-.0023	1.913	1.895	1.968	9.638	1.921	1.930
Stddev	.0106	.021	.004	.0010	.003	.002	.001	.008	.001	.001
%RSD	4.652	.2107	.2296	44.64	.1364	.0966	.0707	.0857	.0384	.0381
#1	.2194	9.782	1.929	-.0016	1.911	1.897	1.969	9.644	1.922	1.930
#2	.2343	9.753	1.935	-.0030	1.915	1.894	1.967	9.632	1.921	1.931

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.871	1.885	9.918	9.567	9.813	1.840	1.945	9.943	1.973	1.939
Stddev	.094	.085	.004	.013	.011	.092	.003	.031	.001	.004
%RSD	5.030	4.489	.0394	.1315	.1112	4.988	.1500	.3108	.0382	.2286
#1	1.804	1.825	9.915	9.576	9.806	1.775	1.943	9.965	1.974	1.936
#2	1.937	1.944	9.920	9.558	9.821	1.905	1.947	9.921	1.973	1.942

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0016	.0082	.0013	1.966	1.954	-.0009	2.040	2.065	1.802	1.912
Stddev	.0013	.0026	.0003	.003	.000	.0034	.004	.002	.087	.002
%RSD	83.86	32.23	21.34	.1547	.0230	402.5	.1814	.1132	4.854	.1045
#1	-.0006	.0101	.0011	1.968	1.954	.0016	2.042	2.066	1.740	1.911
#2	-.0025	.0063	.0016	1.964	1.953	-.0033	2.037	2.063	1.864	1.914

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.871	.0051	1.917	.0040
Stddev	.089	.0028	.001	.0000
%RSD	4.734	54.17	.0709	.5884
#1	1.809	.0032	1.918	.0040
#2	1.934	.0071	1.916	.0040

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1277.0	53286.	18067.
Stddev	1.0	2329.	54.
%RSD	.07495	4.3709	.29649
#1	1277.6	54932.	18029.
#2	1276.3	51639.	18105.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/21/2014 21:17:18 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	-.0001	-.0007	.0012	.0014	-.0005	.0000	.0019	.0001	.0000
Stddev	.0002	.0014	.0013	.0007	.0003	.0001	.0000	.0007	.0001	.0001
%RSD	92.75	2239.	175.7	55.25	17.83	16.28	106.2	37.94	117.7	403.3
#1	-.0003	.0010	.0002	.0007	.0016	-.0006	.0000	.0024	.0000	.0000
#2	-.0001	-.0011	-.0016	.0017	.0012	-.0004	.0001	.0014	.0002	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0004	.0005	.0053	.0223	.0055	.0002	.0021	.0180	.0003	.0000
Stddev	.0003	.0004	.0027	.0114	.0070	.0000	.0007	.0013	.0003	.0000
%RSD	83.44	82.00	51.28	50.94	127.5	23.36	30.96	7.010	101.1	83.13
#1	-.0006	.0008	.0034	.0143	.0005	.0001	.0026	.0171	.0001	.0000
#2	-.0001	.0002	.0072	.0303	.0105	.0002	.0016	.0189	.0005	.0001

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0007	-.0029	.0041	.0004	.0013	.0050	-.0002	.0000	.0004	-.0009
Stddev	.0006	.0033	.0019	.0000	.0000	.0001	.0001	.000	.0002	.0001
%RSD	83.78	113.6	44.97	2.798	2.188	2.026	43.07	55870.	38.49	12.71
#1	-.0003	-.0053	.0054	.0004	.0013	.0050	-.0003	.0000	.0006	-.0009
#2	-.0010	-.0006	.0028	.0004	.0014	.0049	-.0001	.0000	.0003	-.0010

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0001	-.0076	.0006	-.0012
Stddev	.0002	.0007	.0000	.0000
%RSD	202.4	8.884	7.803	.7272
#1	.0000	-.0081	.0007	-.0012
#2	.0003	-.0071	.0006	-.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1274.6	51760.	17923.
Stddev	2.5	116.	37.
%RSD	.19701	.22444	.20464
#1	1272.8	51677.	17949.
#2	1276.3	51842.	17897.

Zoom In Zoom Out

Sample Name: MC27756-3 Acquired: 1/21/2014 21:22:14 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0000	59.48	.0216	.0018	.0260	.6958	.0030	12.28	.0016
Stddev	.000	.10	.0012	.0006	.0000	.0001	.0000	.03	.0000
%RSD	647.3	.1751	5.741	35.06	.1309	.0151	.4218	.2485	2.882
#1	.0001	59.41	.0207	.0014	.0260	.6959	.0031	12.26	.0016
#2	-.0002	59.56	.0225	.0023	.0260	.6957	.0030	12.30	.0017

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0847	.1848	.2001	166.3	6.002	26.11	F14.48	.0023	2.511
Stddev	.0001	.0005	.0008	.2	.017	.16	.07	.0001	.003
%RSD	.1763	.2540	.4191	.1206	.2753	.6141	.4982	5.044	.1258
#1	.0846	.1844	.1995	166.2	5.990	26.00	14.43	.0024	2.508
#2	.0848	.1851	.2006	166.5	6.014	26.23	14.53	.0022	2.513

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.1073	.0714	-.0223	.1007	.3700	-.0016	.0035	6.269	.0082
Stddev	.0001	.0005	.0007	.0047	.0015	.0000	.0014	.004	.0003
%RSD	.0901	.6549	3.264	4.618	.4104	.1086	38.69	.0660	3.958
#1	.1072	.0711	-.0228	.0975	.3689	-.0016	.0025	6.272	.0080
#2	.1073	.0717	-.0218	.1040	.3711	-.0016	.0044	6.266	.0084

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0579	3.934	.0021	.4894	.0079	.3140	.0110
Stddev	.0003	.000	.0019	.0002	.0024	.0008	.0010
%RSD	.4371	.0017	91.05	.0441	30.09	.2652	8.848
#1	.0577	3.934	.0034	.4892	.0062	.3134	.0103
#2	.0580	3.934	.0007	.4895	.0096	.3146	.0117

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1406.6	57144.	20135.
Stddev	.0	172.	56.
%RSD	.00027	.30168	.27719
#1	1406.6	57266.	20175.
#2	1406.6	57022.	20096.

Zoom In Zoom Out

Sample Name: MP22389-B1 Acquired: 1/21/2014 21:27:08 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1927	2.111	.5257	-.0011	.0025	1.986	.5077	23.99	.5019	.4918
Stddev	.0008	.020	.0053	.0006	.0002	.004	.0012	.04	.0042	.0041
%RSD	.4202	.9621	.9993	51.50	7.708	.2011	.2306	.1765	.8392	.8270
#1	.1921	2.097	.5220	-.0007	.0026	1.988	.5085	24.02	.4990	.4890
#2	.1932	2.126	.5294	-.0015	.0023	1.983	.5069	23.96	.5049	.4947

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4887	.4943	2.065	24.51	25.77	.4828	-.0002	25.68	.4910	.9946
Stddev	.0014	.0012	.000	.05	.07	.0006	.0000	.04	.0059	.0097
%RSD	.2818	.2333	.0030	.2030	.2627	.1326	14.04	.1365	1.210	.9721
#1	.4896	.4935	2.065	24.47	25.82	.4832	-.0003	25.71	.4868	.9878
#2	.4877	.4951	2.064	24.54	25.72	.4823	-.0002	25.66	.4952	1.001

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0007	.0045	.0212	.5061	.4967	.0162	.0127	.5189	.4756	.4824
Stddev	.0007	.0005	.0009	.0030	.0050	.0002	.0005	.0012	.0003	.0087
%RSD	97.41	11.59	4.158	.5853	1.001	1.445	4.200	.2373	.0642	1.803
#1	-.0012	.0042	.0218	.5040	.4932	.0164	.0123	.5198	.4758	.4762
#2	-.0002	.0049	.0206	.5082	.5002	.0161	.0131	.5180	.4753	.4885

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5107	-.0016	.5088	.0010
Stddev	.0005	.0004	.0061	.0003
%RSD	.0945	22.94	1.197	31.61
#1	.5104	-.0019	.5045	.0013
#2	.5111	-.0013	.5131	.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1262.7	51355.	17822.
Stddev	10.2	93.	12.
%RSD	.80688	.18036	.06761
#1	1269.9	51289.	17814.
#2	1255.5	51420.	17831.

Zoom In Zoom Out

Sample Name: MP22389-MB1 Acquired: 1/21/2014 21:31:55 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	.0055	-.0001	.0003	.0010	.0006	.0000	.0491	.0000	-.0002
Stddev	.0000	.0049	.0001	.0000	.0003	.0000	.000	.0007	.000	.0002
%RSD	11.47	88.77	71.87	13.11	30.66	4.012	145.0	1.331	55.24	120.1
#1	-.0004	.0021	-.0001	.0003	.0008	.0007	.0000	.0496	.0000	.0000
#2	-.0004	.0090	.0000	.0003	.0012	.0006	.0000	.0487	.0000	-.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0004	.0004	.0195	.0622	.0109	.0015	-.0006	.0493	-.0003	.0002
Stddev	.0002	.0001	.0019	.0302	.0090	.0001	.0002	.0022	.0001	.0003
%RSD	52.08	24.17	9.873	48.55	82.44	4.063	33.31	4.496	22.23	153.2
#1	-.0005	.0005	.0182	.0409	.0173	.0015	-.0004	.0477	-.0003	.0004
#2	-.0002	.0004	.0209	.0836	.0046	.0015	-.0007	.0508	-.0004	.0000

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0008	-.0046	.0120	.0007	-.0004	.0147	.0128	.0000	.0007	-.0009
Stddev	.0002	.0040	.0011	.0003	.0005	.0011	.0004	.0001	.0004	.0001
%RSD	24.17	85.29	9.359	38.90	135.3	7.377	2.885	247.9	48.40	14.82
#1	-.0007	-.0074	.0128	.0009	.0000	.0155	.0130	.0000	.0005	-.0010
#2	-.0010	-.0018	.0112	.0005	-.0007	.0140	.0125	.0001	.0010	-.0008

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0003	-.0035	.0097	-.0015
Stddev	.0005	.0065	.0001	.0002
%RSD	152.5	188.5	.5509	14.40
#1	.0000	-.0081	.0098	-.0017
#2	-.0007	.0012	.0097	-.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1270.0	51893.	18112.
Stddev	.0	223.	73.
%RSD	.00130	.42995	.40156
#1	1270.0	52051.	18164.
#2	1270.0	51735.	18061.

Zoom In Zoom Out

Sample Name: MP22389-S1 Acquired: 1/21/2014 21:36:53 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.1664	1.954	.4619	.0000	.6269	1.775	.4419	29.53	.4537
Stddev	.0009	.012	.0020	.001	.0003	.001	.0004	.02	.0012
%RSD	.5331	.6089	.4412	8423.	.0553	.0562	.0891	.0824	.2706
#1	.1670	1.962	.4633	-.0007	.6266	1.774	.4417	29.51	.4546
#2	.1657	1.945	.4605	.0007	.6271	1.775	.4422	29.54	.4529

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.4432	.4429	.5530	2.090	22.43	26.08	.4317	.2977	23.38
Stddev	.0007	.0023	.0031	.008	.00	.03	.0009	.0001	.02
%RSD	.1468	.5161	.5660	.3629	.0213	.1285	.2177	.0263	.0712
#1	.4437	.4413	.5552	2.085	22.43	26.05	.4310	.2976	23.39
#2	.4428	.4445	.5508	2.096	22.42	26.10	.4323	.2978	23.36

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.4420	.9566	-.0017	-.0016	F19.34	.3970	.4770	.0447	.0121
Stddev	.0009	.0023	.0001	.0003	.05	.0001	.0007	.0009	.0005
%RSD	.2064	.2419	8.002	21.59	.2404	.0347	.1364	1.907	3.793
#1	.4426	.9582	-.0016	-.0018	19.38	.3971	.4775	.0441	.0124
#2	.4413	.9550	-.0018	-.0013	19.31	.3970	.4766	.0453	.0117

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4683	.4147	.4625	.4488	-.0022	7.922	.0044
Stddev	.0002	.0012	.0023	.0002	.0040	.017	.0001
%RSD	.0498	.2836	.4900	.0350	175.9	.2097	1.524
#1	.4684	.4155	.4641	.4487	-.0050	7.934	.0045
#2	.4681	.4139	.4609	.4489	.0005	7.911	.0044

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1237.9	51127.	18148.
Stddev	3.4	224.	25.
%RSD	.27299	.43735	.13522
#1	1235.5	51285.	18165.
#2	1240.3	50969.	18130.

Zoom In Zoom Out

Sample Name: MP22389-S2 Acquired: 1/21/2014 21:41:39 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1643	1.886	.4600	.0005	.5494	1.727	.4298	28.57	.4428	.4319
Stddev	.0001	.007	.0009	.0005	.0016	.001	.0011	.07	.0007	.0009
%RSD	.0331	.3697	.1885	93.04	.2946	.0419	.2491	.2554	.1685	.2074
#1	.1643	1.891	.4606	.0002	.5483	1.727	.4290	28.52	.4423	.4312
#2	.1643	1.881	.4594	.0009	.5506	1.728	.4306	28.63	.4433	.4325

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4286	.5368	1.995	21.93	25.52	.4203	.2601	22.78	.4310	.9336
Stddev	.0009	.0010	.009	.01	.04	.0010	.0007	.00	.0008	.0012
%RSD	.2057	.1865	.4550	.0531	.1434	.2471	.2651	.0125	.1865	.1305
#1	.4292	.5376	1.988	21.92	25.49	.4210	.2596	22.79	.4304	.9328
#2	.4279	.5361	2.001	21.94	25.54	.4196	.2606	22.78	.4315	.9345

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0009	-.0009	17.99	.3881	.4669	.0370	.0109	.4542	.4069	.4511
Stddev	.0007	.0019	.00	.0003	.0013	.0002	.0005	.0011	.0021	.0023
%RSD	85.16	212.9	.0125	.0767	.2817	.5127	4.386	.2388	.5099	.5134
#1	-.0014	.0004	17.99	.3883	.4678	.0371	.0105	.4535	.4084	.4495
#2	-.0003	-.0022	17.99	.3879	.4660	.0368	.0112	.4550	.4054	.4528

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.4399	-.0110	7.503	-.0008
Stddev	.0013	.0033	.009	.0001
%RSD	.2900	29.88	.1151	7.033
#1	.4408	-.0087	7.497	-.0009
#2	.4390	-.0133	7.509	-.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1242.3	51669.	18228.
Stddev	.6	113.	103.
%RSD	.05046	.21827	.56297
#1	1242.7	51749.	18301.
#2	1241.9	51589.	18156.

Zoom In Zoom Out

Sample Name: MC27670-1 Acquired: 1/21/2014 21:46:24 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0002	.1078	-.0005	.0014	.6447	.0032	.0001	10.17	.0001
Stddev	.0007	.0009	.0004	.0003	.0009	.0001	.0000	.04	.0001
%RSD	382.9	.8651	76.04	21.13	.1458	2.225	11.47	.3859	120.7
#1	-.0006	.1084	-.0002	.0016	.6440	.0032	.0001	10.14	.0000
#2	.0003	.1071	-.0008	.0012	.6453	.0031	.0001	10.20	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0001	.0087	.1405	.3124	.7094	4.256	.0080	.3055	.6119
Stddev	.0002	.0000	.0002	.0010	.0068	.052	.0000	.0007	.0018
%RSD	412.2	.3306	.1373	.3110	.9650	1.226	.1680	.2437	.3007
#1	.0002	.0087	.1404	.3118	.7143	4.293	.0080	.3049	.6132
#2	-.0001	.0088	.1407	.3131	.7046	4.219	.0080	.3060	.6106

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0035	.0709	-.0013	-.0007	F22.60	-.0015	.0030	.0490	.0160
Stddev	.0005	.0003	.0004	.0023	.00	.0005	.0011	.0002	.0000
%RSD	13.61	.3970	26.63	329.3	.0086	31.59	36.06	.4345	.0894
#1	.0038	.0707	-.0011	-.0023	22.60	-.0011	.0022	.0488	.0160
#2	.0031	.0711	-.0016	.0009	22.60	-.0018	.0038	.0491	.0160

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0039	.0037	-.0006	-.0001	-.0074	8.737	-.0016
Stddev	.0000	.0002	.0009	.0001	.0002	.015	.0001
%RSD	.9363	5.292	152.6	208.6	2.988	.1726	8.526
#1	.0040	.0038	-.0012	-.0001	-.0073	8.748	-.0017
#2	.0039	.0036	.0000	.0000	-.0076	8.726	-.0015

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1258.8	52227.	18333.
Stddev	.6	9.	89.
%RSD	.05098	.01779	.48749
#1	1259.3	52220.	18397.
#2	1258.4	52233.	18270.

Zoom In Zoom Out

Sample Name: MP22389-SD1 Acquired: 1/21/2014 21:51:18 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0007	.1098	-.0045	.0040	.6353	.0026	-.0004	10.22	-.0005	-.0010
Stddev	.0012	.0330	.0086	.0003	.0027	.0001	.0002	.11	.0004	.0003
%RSD	165.2	30.04	189.4	7.549	.4234	2.797	58.17	1.030	87.82	28.04
#1	.0015	.0865	.0015	.0037	.6334	.0025	-.0005	10.30	-.0002	-.0012
#2	-.0001	.1331	-.0106	.0042	.6372	.0026	-.0002	10.15	-.0008	-.0008

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0050	.1404	.3150	.7909	4.341	.0076	.3001	.6897	.0025	.0728
Stddev	.0027	.0001	.0042	.1071	.100	.0000	.0002	.0104	.0006	.0030
%RSD	53.43	.0733	1.345	13.54	2.306	.4559	.0648	1.503	25.18	4.066
#1	.0031	.1404	.3180	.7152	4.412	.0076	.2999	.6971	.0029	.0748
#2	.0068	.1405	.3120	.8666	4.270	.0077	.3002	.6824	.0020	.0707

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0008	-.0052	22.68	-.0032	-.0009	.0550	.0141	.0036	.0044	-.0032
Stddev	.0056	.0121	.08	.0025	.0021	.0004	.0012	.0001	.0002	.0017
%RSD	723.2	234.9	.3529	78.23	248.4	.7162	8.738	2.741	4.413	53.74
#1	-.0032	-.0138	22.63	-.0014	-.0024	.0547	.0133	.0035	.0042	-.0020
#2	.0047	.0034	22.74	-.0049	.0007	.0553	.0150	.0037	.0045	-.0045

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0026	-.0410	8.816	-.0121
Stddev	.0021	.0070	.006	.0011
%RSD	80.72	17.13	.0714	9.210
#1	-.0041	-.0360	8.820	-.0113
#2	-.0011	-.0459	8.811	-.0129

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1264.2	52167.	18401.
Stddev	2.3	49.	99.
%RSD	.18119	.09447	.53858
#1	1265.9	52202.	18330.
#2	1262.6	52132.	18471.

Zoom In Zoom Out

Sample Name: MP22389-LC1 Acquired: 1/21/2014 21:56:13 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2988	73.22	.8339	-.0005	.8801	1.454	.4750	50.54	.5346	.8616
Stddev	.0010	.46	.0044	.0001	.0016	.006	.0029	.53	.0006	.0018
%RSD	.3200	.6250	.5245	23.99	.1788	.4432	.6012	1.047	.1204	.2043
#1	.2994	72.90	.8370	-.0006	.8812	1.449	.4730	50.17	.5351	.8628
#2	.2981	73.55	.8308	-.0004	.8790	1.458	.4770	50.91	.5342	.8603

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6052	.6962	113.3	32.93	26.97	2.407	.3483	5.871	.4949	.7859
Stddev	.0002	.0006	1.0	.16	.28	.007	.0009	.028	.0018	.0034
%RSD	.0276	.0806	.9027	.4950	1.052	.2931	.2675	.4727	.3736	.4351
#1	.6051	.6965	112.6	32.82	26.77	2.412	.3490	5.851	.4962	.7883
#2	.6053	.6958	114.1	33.05	27.17	2.402	.3477	5.890	.4936	.7835

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0173	.0062	2.436	.7934	1.397	7.357	.9584	.6400	1.956	1.031
Stddev	.0004	.0010	.004	.0010	.003	.021	.0033	.0027	.003	.001
%RSD	2.084	16.32	.1487	.1227	.2380	.2879	.3396	.4214	.1755	.0469
#1	-.0171	.0069	2.438	.7941	1.400	7.372	.9607	.6381	1.958	1.032
#2	-.0176	.0055	2.433	.7928	1.395	7.342	.9561	.6420	1.953	1.031

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5002	.0002	1.162	.0371
Stddev	.0004	.0006	.004	.0000
%RSD	.0708	285.1	.3191	.0994
#1	.5000	-.0002	1.164	.0371
#2	.5005	.0007	1.159	.0372

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1349.7	55323.	19610.
Stddev	3.3	219.	300.
%RSD	.24743	.39587	1.5298
#1	1347.3	55168.	19822.
#2	1352.0	55478.	19398.

Zoom In Zoom Out

Sample Name: MC27690-2 Acquired: 1/21/2014 22:00:57 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.1022	.0007	-.0051	.6043	11.69	-.0001	11.81	.0017	.0000
Stddev	.0002	.0044	.0015	.0006	.0003	.25	.0000	.05	.0000	.000
%RSD	134.5	4.346	216.6	11.34	.0543	2.170	56.42	.4420	2.900	1837.
#1	.0000	.0991	-.0004	-.0055	.6040	11.51	.0000	11.77	.0017	.0001
#2	-.0003	.1053	.0018	-.0047	.6045	11.87	-.0001	11.84	.0016	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0146	.0137	9.232	1.062	1.022	.1029	.1716	31.83	.0094	.0082
Stddev	.0001	.0001	.036	.003	.010	.0002	.0001	.08	.0002	.0005
%RSD	.9746	.7063	.3956	.3107	1.005	.1946	.0331	.2431	1.657	6.060
#1	.0147	.0137	9.206	1.059	1.015	.1028	.1717	31.78	.0095	.0078
#2	.0145	.0136	9.258	1.064	1.029	.1031	.1716	31.89	.0093	.0085

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0016	-.0017	13.08	.0012	.0024	.2044	.0193	3.849	.0070	-.0012
Stddev	.0005	.0032	.02	.0003	.0012	.0002	.0001	.004	.0001	.0010
%RSD	29.10	194.0	.1731	23.64	47.61	.0753	.5357	.0986	1.941	81.73
#1	-.0013	.0006	13.06	.0010	.0032	.2045	.0193	3.846	.0071	-.0005
#2	-.0019	-.0039	13.10	.0014	.0016	.2043	.0192	3.851	.0069	-.0019

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0001	-.0055	1.260	.0018
Stddev	.0001	.0061	.003	.0004
%RSD	109.4	109.9	.2122	23.77
#1	.0002	-.0012	1.262	.0021
#2	.0000	-.0098	1.258	.0015

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1244.3	51465.	18157.
Stddev	2.2	68.	97.
%RSD	.17320	.13215	.53651
#1	1242.7	51416.	18226.
#2	1245.8	51513.	18089.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/21/2014 22:06:02 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2355	9.732	1.942	-.0026	1.928	1.910	1.959	9.520	1.930	1.935
Stddev	.0016	.008	.003	.0008	.000	.000	.004	.053	.002	.000
%RSD	.6710	.0863	.1363	30.69	.0150	.0082	.2077	.5537	.0943	.0020
#1	.2367	9.726	1.944	-.0032	1.928	1.909	1.957	9.483	1.932	1.935
#2	.2344	9.738	1.940	-.0021	1.928	1.910	1.962	9.557	1.929	1.935

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.944	1.957	9.794	9.585	9.693	1.906	1.951	9.945	1.976	1.947
Stddev	.002	.002	.036	.009	.047	.002	.001	.015	.001	.001
%RSD	.1148	.0848	.3730	.0974	.4886	.1149	.0243	.1492	.0665	.0675
#1	1.945	1.956	9.768	9.592	9.660	1.904	1.950	9.955	1.977	1.946
#2	1.942	1.958	9.820	9.578	9.727	1.907	1.951	9.934	1.975	1.948

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0032	.0075	.0094	1.983	1.963	-.0090	2.043	2.024	1.878	1.929
Stddev	.0005	.0018	.0020	.001	.002	.0003	.003	.055	.004	.003
%RSD	15.90	23.62	21.48	.0444	.1105	2.947	.1582	2.723	.1992	.1699
#1	-.0029	.0062	.0108	1.984	1.962	-.0088	2.045	1.985	1.875	1.931
#2	-.0036	.0087	.0080	1.982	1.965	-.0092	2.041	2.063	1.880	1.926

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.944	-.0001	1.913	-.0077
Stddev	.001	.0023	.000	.0002
%RSD	.0240	1689.	.0210	2.038
#1	1.944	-.0018	1.913	-.0075
#2	1.944	.0015	1.912	-.0078

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1265.1	51332.	18268.
Stddev	1.1	65.	113.
%RSD	.08774	.12646	.61651
#1	1264.4	51378.	18348.
#2	1265.9	51286.	18189.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/21/2014 22:10:49 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0000	.0032	-.0007	.0001	.0023	.0006	F.0006	.0054	.0001
Stddev	.000	.0016	.0008	.0011	.0003	.0001	.0001	.0029	.0001
%RSD	1202.	51.50	120.8	757.9	11.82	10.21	14.93	54.82	177.4
#1	-.0003	.0020	-.0001	-.0006	.0025	.0005	.0005	.0033	.0001
#2	.0002	.0043	-.0012	.0009	.0021	.0006	.0006	.0074	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0003	.0000	.0011	.0047	.0183	.0031	.0004	.0021	.0177
Stddev	.0000	.000	.0003	.0025	.0027	.0121	.0000	.0007	.0009
%RSD	7.027	2774.	24.34	53.93	14.53	390.8	6.238	31.90	4.804
#1	-.0003	-.0002	.0013	.0065	.0202	.0117	.0004	.0025	.0171
#2	-.0003	.0002	.0009	.0029	.0165	-.0055	.0004	.0016	.0183

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0001	-.0004	-.0006	-.0031	.0066	.0006	.0015	.0016	.0001
Stddev	.0000	.0001	.0009	.0001	.0001	.0002	.0008	.0008	.0001
%RSD	25.22	37.39	158.8	3.376	.9523	43.88	50.82	53.72	83.68
#1	-.0001	-.0003	-.0012	-.0031	.0066	.0007	.0021	.0021	.0001
#2	-.0001	-.0005	.0001	-.0030	.0067	.0004	.0010	.0010	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0007	.0008	-.0009	.0002	-.0021	.0000	-.0011
Stddev	.0001	.0002	.0004	.0006	.0039	.0001	.0003
%RSD	13.04	24.72	44.48	294.5	187.1	142.3	26.01
#1	.0006	.0009	-.0012	.0006	-.0048	.0000	-.0013
#2	.0007	.0006	-.0006	-.0002	.0007	.0001	-.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1272.9	51651.	18058.
Stddev	.1	56.	60.
%RSD	.00914	.10897	.33399
#1	1272.8	51611.	18015.
#2	1273.0	51691.	18101.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 1/21/2014 22:15:47 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0047	.1924	.0106	.0010	.1013	.0490	.0039	4.822	.0040	.0496
Stddev	.0002	.0009	.0004	.0011	.0001	.0004	.0001	.011	.0000	.0001
%RSD	4.219	.4803	4.037	115.0	.0915	.8372	1.360	.2366	1.169	.2458
#1	.0048	.1931	.0109	.0002	.1014	.0487	.0039	4.814	.0040	.0497
#2	.0046	.1917	.0103	.0018	.1013	.0493	.0040	4.830	.0040	.0496

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0094	.0243	.0982	4.821	4.914	.0146	.1007	5.000	.0408	.0109
Stddev	.0007	.0002	.0025	.040	.018	.0000	.0000	.016	.0002	.0000
%RSD	7.263	.7783	2.583	.8314	.3698	.1618	.0143	.3113	.3796	.4197
#1	.0099	.0244	.1000	4.793	4.901	.0146	.1007	4.989	.0407	.0109
#2	.0089	.0242	.0964	4.849	4.926	.0146	.1007	5.011	.0409	.0109

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0004	.0009	.0017	.0111	.0106	.0079	.1011	.0103	.0483	.0098
Stddev	.0004	.0005	.0009	.0008	.0005	.0002	.0004	.0000	.0001	.0008
%RSD	118.0	57.24	50.81	7.441	4.992	2.741	.3508	.0455	.1543	8.618
#1	-.0007	.0005	.0011	.0106	.0109	.0080	.1013	.0103	.0482	.0092
#2	-.0001	.0012	.0023	.0117	.0102	.0077	.1008	.0103	.0483	.0103

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0095	-.0023	.0197	-.0013
Stddev	.0003	.0012	.0001	.0000
%RSD	3.191	52.33	.2898	.2361
#1	.0093	-.0032	.0196	-.0013
#2	.0097	-.0015	.0197	-.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1272.8	51453.	18037.
Stddev	.1	159.	41.
%RSD	.00664	.30806	.22602
#1	1272.7	51341.	18008.
#2	1272.8	51566.	18066.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 1/21/2014 22:20:43 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	515.8	-.0004	.0024	.0005	-.0010	.0000	442.3	.0002	.0011
Stddev	.0004	3.9	.0002	.0001	.0002	.0001	.0000	3.8	.0002	.0004
%RSD	238.4	.7647	37.43	4.691	52.24	7.676	2583.	.8626	77.86	36.45
#1	.0001	513.0	-.0003	.0023	.0006	-.0010	.0000	439.6	.0004	.0013
#2	-.0004	518.5	-.0005	.0025	.0003	-.0009	.0000	445.0	.0001	.0008

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	.0014	177.5	-.0170	528.1	.0003	-.0005	.0567	-.0002	-.0019
Stddev	.0003	.0004	.7	.0021	2.7	.0000	.0002	.0066	.0001	.0009
%RSD	220.6	26.55	.4028	12.35	.5110	.8010	36.86	11.70	40.85	45.90
#1	.0001	.0011	177.0	-.0185	526.2	.0003	-.0004	.0614	-.0003	-.0025
#2	-.0003	.0017	178.0	-.0156	530.0	.0002	-.0006	.0520	-.0002	-.0013

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0497	-.0289	.1274	-.0013	.0016	.0562	.0027	-.0071	.0054	.0010
Stddev	.0004	.0002	.0020	.0001	.0017	.0007	.0008	.0001	.0002	.0014
%RSD	.8959	.8505	1.533	7.319	107.0	1.159	28.72	.9918	4.461	130.6
#1	-.0494	-.0291	.1288	-.0014	.0027	.0567	.0033	-.0070	.0052	.0020
#2	-.0500	-.0288	.1260	-.0013	.0004	.0557	.0022	-.0071	.0056	.0001

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0000	-.0312	.0004	.0031
Stddev	.000	.0090	.0004	.0001
%RSD	1879.	28.72	91.66	3.474
#1	-.0002	-.0249	.0007	.0031
#2	.0002	-.0376	.0001	.0032

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1157.7	47669.	17707.
Stddev	.8	160.	104.
%RSD	.07234	.33570	.58721
#1	1158.3	47556.	17780.
#2	1157.1	47782.	17633.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 1/21/2014 22:25:46 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.025	522.9	2.137	.4855	1.022	.4913	.4714	444.7	1.034	.4674
Stddev	.003	5.1	.002	.0005	.000	.0018	.0001	2.4	.000	.0004
%RSD	.2614	.9784	.0823	.1041	.0218	.3570	.0121	.5293	.0038	.0792
#1	1.027	526.6	2.136	.4858	1.022	.4925	.4714	443.0	1.034	.4672
#2	1.023	519.3	2.139	.4851	1.022	.4900	.4715	446.3	1.034	.4677

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4689	.5414	179.9	-.0488	534.7	.4765	.9457	.0535	.8877	.9253
Stddev	.0048	.0016	.2	.0140	.1	.0027	.0021	.0010	.0004	.0008
%RSD	1.014	.2942	.1077	28.62	.0162	.5747	.2232	1.849	.0401	.0913
#1	.4723	.5425	180.1	-.0587	534.6	.4784	.9442	.0528	.8880	.9247
#2	.4656	.5403	179.8	-.0390	534.8	.4746	.9472	.0542	.8875	.9259

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.5340	.4852	.6878	2.111	2.036	2.377	.9988	1.007	.4916	1.844
Stddev	.0009	.0012	.0017	.004	.001	.001	.0008	.003	.0014	.003
%RSD	.1741	.2540	.2430	.2151	.0513	.0427	.0755	.2739	.2803	.1382
#1	.5333	.4861	.6867	2.108	2.036	2.378	.9993	1.009	.4926	1.842
#2	.5346	.4844	.6890	2.115	2.037	2.377	.9982	1.005	.4906	1.846

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5018	2.143	.8982	.3448
Stddev	.0015	.006	.0012	.0036
%RSD	.2906	.2845	.1340	1.048
#1	.5028	2.139	.8974	.3422
#2	.5007	2.147	.8991	.3473

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1158.0	47635.	17671.
Stddev	.1	377.	26.
%RSD	.00585	.79226	.14977
#1	1158.0	47369.	17690.
#2	1158.1	47902.	17652.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/21/2014 22:30:39 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2385	9.809	1.956	-.0017	1.936	1.914	1.959	9.721	1.944	1.946
Stddev	.0005	.027	.016	.0007	.017	.002	.005	.035	.013	.015
%RSD	.2031	.2764	.7957	40.54	.8686	.1240	.2831	.3585	.6686	.7703
#1	.2382	9.828	1.967	-.0012	1.948	1.915	1.963	9.746	1.953	1.957
#2	.2389	9.790	1.945	-.0021	1.924	1.912	1.955	9.697	1.935	1.935

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.937	1.937	9.833	9.642	9.790	1.919	1.964	9.970	1.973	1.951
Stddev	.002	.005	.035	.039	.046	.001	.011	.008	.015	.018
%RSD	.1066	.2396	.3526	.4027	.4658	.0439	.5328	.0779	.7688	.9277
#1	1.936	1.940	9.857	9.669	9.823	1.920	1.971	9.976	1.983	1.964
#2	1.938	1.933	9.808	9.614	9.758	1.919	1.957	9.965	1.962	1.938

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0017	.0110	.0072	1.982	1.963	-.0115	2.035	2.024	1.898	1.943
Stddev	.0003	.0004	.0006	.011	.012	.0014	.016	.023	.000	.012
%RSD	19.02	3.892	8.848	.5553	.6170	12.17	.7963	1.129	.0154	.6385
#1	-.0019	.0107	.0076	1.990	1.972	-.0105	2.046	2.008	1.898	1.952
#2	-.0015	.0113	.0067	1.975	1.955	-.0125	2.023	2.040	1.898	1.934

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.950	.0093	1.932	.0252
Stddev	.003	.0000	.012	.0050
%RSD	.1612	.3295	.6200	19.82
#1	1.947	.0093	1.940	.0287
#2	1.952	.0093	1.923	.0217

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1268.9	51116.	18150.
Stddev	7.3	57.	30.
%RSD	.57306	.11207	.16386
#1	1263.8	51076.	18129.
#2	1274.1	51157.	18171.

Inst QC: MA16678

Zoom In
Zoom Out

Sample Name: CCB Acquired: 1/21/2014 22:35:26 Type: Unk
Method: Accutest -SS2 with S(v308) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0262	-.0014	.0010	.0022	.0002	.0004	.0260	.0001	.0001
Stddev	.0002	.0051	.0010	.0002	.0002	.0001	.0001	.0008	.0001	.0001
%RSD	152.8	19.41	70.12	22.28	9.315	54.85	24.17	2.990	113.9	84.90
#1	-.0003	.0298	-.0020	.0008	.0023	.0001	.0004	.0255	.0001	.0000
#2	.0000	.0226	-.0007	.0011	.0020	.0003	.0003	.0266	.0000	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	.0003	.0102	.0022	.0356	.0001	.0025	.0175	.0000	-.0003
Stddev	.000	.0002	.0002	.0233	.0178	.0000	.0006	.0022	.000	.0004
%RSD	498.8	90.20	2.372	1063.	49.94	40.86	23.65	12.38	539.4	128.1
#1	.0000	.0004	.0101	-.0143	.0482	.0001	.0029	.0190	.0001	-.0007
#2	.0000	.0001	.0104	.0187	.0230	.0001	.0020	.0159	-.0001	.0000

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0005	-.0023	.0035	.0007	.0007	.0008	-.0003	.0004	-.0001	.0000
Stddev	.0009	.0028	.0013	.0005	.0012	.0005	.0006	.0000	.0000	.000
%RSD	171.1	121.5	37.29	69.21	169.7	64.42	205.4	4.472	63.56	12950.
#1	-.0011	-.0043	.0026	.0003	.0015	.0004	-.0007	.0004	-.0001	-.0003
#2	.0001	-.0003	.0044	.0010	-.0001	.0011	.0001	.0004	.0000	.0003

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0002	-.0061	-.0001	-.0012
Stddev	.0003	.0007	.0000	.0000
%RSD	191.6	11.25	44.61	1.180
#1	.0001	-.0066	-.0001	-.0012
#2	-.0004	-.0056	-.0001	-.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1278.8	51559.	18080.
Stddev	.4	62.	55.
%RSD	.03134	.12109	.30425
#1	1278.5	51604.	18119.
#2	1279.0	51515.	18041.

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	0.000017	0.000000	No
			Co	0.000007	0.000000	No
			Mn	0.000112	0.000000	No
			Mo	0.000010	0.000000	No
			Cu	0.000004	0.000000	No
			Ti	0.000037	0.000000	No
			Al	-0.000000	0.000000	No
			Zr	0.005523	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.010331	0.000000	No
			Mo	0.035116	0.000000	No
			Ca	0.000021	0.000000	No
As 189.042 {479}	☒	10	V	-0.000070	0.000000	No
			Al	0.000009	0.000000	No
			Mo	0.000127	0.000000	No
			Fe	-0.000005	0.000000	No
			Mn	-0.000158	0.000000	No
			Ca	0.000007	0.000000	No
			Mg	0.000002	0.000000	No
			Cr	0.000334	0.000000	No
			Na	0.000000	0.000000	No
			Co	-0.000743	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000056	0.000000	No
			Mn	0.007148	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.021020	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000009	0.000000	No
Be 313.042 {108}	☒	3	V	0.000256	0.000000	No
			Mo	-0.000013	0.000000	No
			Ti	-0.000310	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	4	Ni	0.000020	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000003	0.000000	No
			Ca	0.000003	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000045	0.000000	No
			Mo	-0.000082	0.000000	No
			Ti	0.001798	0.000000	No
			Ca	0.000001	0.000000	No
Cr 267.716 {126}	☒	3	Al	0.000002	0.000000	No
			Mn	0.000149	0.000000	No
			Fe	-0.000011	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000072	0.000000	No
			V	-0.000180	0.000000	No
			Mo	0.000128	0.000000	No
			Co	-0.000699	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000600	0.000000	No
			Co	-0.000015	0.000000	No
			Cr	0.000162	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000003	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000578	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No
			Al	0.000568	0.000000	No
Ni 231.604 {446}	☒	3	Mo	0.000061	0.000000	No
			Fe	0.000042	0.000000	No
			Ca	-0.000001	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000049	0.000000	No
			Mn	0.000104	0.000000	No
			Mo	-0.001765	0.000000	No
			Co	0.000006	0.000000	No
			Cu	0.000078	0.000000	No
			Ca	-0.000008	0.000000	No
			Fe	0.000051	0.000000	No
			Mg	-0.000001	0.000000	No
			Ni	0.000097	0.000000	No
			Si	0.000146	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000342	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.006177	0.000000	No
			Ni	-0.000225	0.000000	No
			Mn	-0.008486	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
S 182.034 {485}	☒	None				
Sb 206.833 {463}	☒	11	Al	-0.000024	0.000000	No
			Fe	0.000009	0.000000	No
			Cr	0.006466	0.000000	No
			Mo	0.000126	0.000000	No
			Mg	0.000000	0.000000	No
			Ni	0.000015	0.000000	No
			V	-0.001397	0.000000	No
			Ca	-0.000000	0.000000	No
			Ti	-0.000440	0.000000	No
			Cu	0.000120	0.000000	No
			Sn	-0.009353	0.000000	No
Se 196.090 {472}	☒	7	Al	-0.000005	0.000000	No
			Fe	-0.000370	0.000000	No
			Mn	0.000445	0.000000	No
			Mo	0.000005	0.000000	No
			Ca	-0.000011	0.000000	No
			Na	0.000006	0.000000	No
			Co	-0.000849	0.000000	No
Si 212.412 {459}	☒	3	V	0.030413	0.000000	No
			Ti	0.012159	0.000000	No
			Mo	0.022364	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.000598	0.000000	No
			Cr	0.000204	0.000000	No
			V	-0.024469	0.000000	No
			Co	0.001725	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Al	-0.000006	0.000000	No
				Fe	0.000007	0.000000	No
				Ti	-0.001276	0.000000	No
				Mo	-0.000144	0.000000	No
				Ca	-0.000004	0.000000	No
				Na	-0.000003	0.000000	No
	V 292.402 {115}	☒	4	Ti	0.000727	0.000000	No
				Mo	-0.005582	0.000000	No
				Fe	0.000004	0.000000	No
				Cr	-0.001648	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000141	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000005	0.000000	No
				Mn	0.000018	0.000000	No
				Ni	0.000450	0.000000	No
				Cr	-0.000497	0.000000	No
				Mo	0.000270	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000003	0.000000	No
				Na	0.000004	0.000000	No
	Zr 339.198 { 99}	☒	5	Si	0.002212	0.000000	No
				Ti	0.000189	0.000000	No
				Fe	0.000029	0.000000	No
				Sn	0.002851	0.000000	No
				V	0.002032	0.000000	No

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 1/22/2014 10:35:55 Type: Cal
Method: Accutest -SS2 with S(v311) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0013	.0003	-.0003	-.0002	.0014	.0849	.0001	.0039	.0028
Stddev	.0000	.0001	.0000	.0001	.0001	.0000	.0001	.0000	.0002
%RSD	1.651	51.38	3.102	38.12	8.186	.0300	35.21	.1762	7.791
#1	-.0013	.0004	-.0003	-.0001	.0014	.0849	.0001	.0039	.0026
#2	-.0013	.0002	-.0003	-.0002	.0013	.0849	.0002	.0039	.0029

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0017	.0000	.0206	.0004	.0001	.0000	.0003	.0006	.0034
Stddev	.0001	.0000	.0000	.0000	.0006	.0001	.0000	.0000	.0007
%RSD	7.158	45.20	.2089	8.387	463.7	1703.	11.25	5.588	20.15
#1	-.0016	.0000	.0206	.0004	-.0003	.0001	.0003	.0006	.0039
#2	-.0017	.0001	.0206	.0004	.0005	-.0001	.0003	.0006	.0029

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0020	-.0014	-.0003	.0000	.0020	-.0001	.0009	.0194	.0002
Stddev	.0003	.0005	.0000	.0000	.0003	.0001	.0001	.0005	.0001
%RSD	14.90	37.55	10.75	52.98	16.83	95.14	5.944	2.330	36.24
#1	-.0018	-.0010	-.0003	.0000	.0023	.0000	.0010	.0197	.0002
#2	-.0022	-.0018	-.0003	.0000	.0018	-.0001	.0009	.0191	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0052	-.0005	-.0023	.0000	-.0001	.0008	.0189
Stddev	.0002	.0000	.0001	.0000	.0000	.0001	.0000
%RSD	3.905	.6505	2.692	265.3	12.09	18.24	.1525
#1	.0053	-.0005	-.0023	.0000	-.0001	.0009	.0189
#2	.0050	-.0005	-.0022	.0000	-.0001	.0007	.0189

◀ Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 1/22/2014 10:35:55 Type: Cal
Method: Accutest -SS2 with S(v311) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1322.8	51232.	17996.
Stddev	.9	25.	29.
%RSD	.06835	.04839	.16387
#1	1322.2	51214.	18017.
#2	1323.4	51250.	17975.

◀ Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 1/22/2014 10:40:51 Type: Cal
Method: Accutest -SS2 with S(v311) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1362	.5589	2.512	17.05	13.07	10.82	8.457	.4634	1.949	4.299
Stddev	.0006	.0001	.003	.17	.01	.00	.001	.0010	.000	.006
%RSD	.4066	.0243	.1133	.9811	.0795	.0029	.0077	.2209	.0227	.1298
#1	.1358	.5590	2.510	16.93	13.06	10.82	8.457	.4627	1.949	4.295
#2	.1365	.5588	2.514	17.17	13.08	10.82	8.456	.4641	1.948	4.302

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.927	6.024	2.526	1.799	.8684	1.107	7.328
Stddev	.017	.005	.002	.002	.0002	.001	.005
%RSD	.2079	.0810	.0677	.0900	.0215	.0478	.0663
#1	7.915	6.028	2.527	1.801	.8682	1.107	7.331
#2	7.939	6.021	2.525	1.798	.8685	1.106	7.324

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1311.5	50667.	18111.
Stddev	2.7	142.	143.
%RSD	.20457	.28097	.78683
#1	1309.6	50768.	18212.
#2	1313.4	50567.	18011.

◀ Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 1/22/2014 10:45:43 Type: Cal
Method: Accutest -SS2 with S(v311) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.390	1.673	1.212	.6824	.1105	2.917
Stddev	.000	.008	.004	.0011	.0007	.005
%RSD	.0029	.4935	.2889	.1570	.6597	.1823
#1	1.390	1.679	1.215	.6817	.1110	2.913
#2	1.390	1.667	1.210	.6832	.1100	2.921

Int. Std.	Y_3710
Units	Cts/S
Avg	18241.
Stddev	119.
%RSD	.65231
#1	18156.
#2	18325.

Zoom In Zoom Out

Sample Name: Std4 Acquired: 1/22/2014 10:50:39 Type: Cal
Method: Accutest -SS2 with S(v311) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	S_1820	Si2124	Sn1899	Sr4077	Ti3349	V_2924	W_2397
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2342	.5024	.0722	.6892	2.242	1.415	28.19	1.208	.9188	.0449
Stddev	.0002	.0005	.0005	.0003	.002	.002	.04	.000	.0017	.0001
%RSD	.0940	.0978	.6329	.0447	.0943	.1365	.1398	.0328	.1821	.1417
#1	.2341	.5027	.0719	.6894	2.243	1.416	28.17	1.209	.9176	.0450
#2	.2344	.5020	.0726	.6890	2.240	1.413	28.22	1.208	.9200	.0449

Elem	Zr3391
Units	Cts/S
Avg	2.897
Stddev	.004
%RSD	.1372
#1	2.894
#2	2.900

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1324.9	50289.	18233.
Stddev	.4	134.	127.
%RSD	.03175	.26684	.69864
#1	1324.6	50383.	18323.
#2	1325.2	50194.	18143.

Zoom In Zoom Out

Sample Name: ICV Acquired: 1/22/2014 10:55:37 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.4878	15.29	2.992	2.975	3.016	3.057	2.952	17.33	2.935	2.835
Stddev	.0023	.01	.012	.011	.008	.003	.000	.04	.009	.009
%RSD	.4701	.0701	.4086	.3563	.2604	.0813	.0074	.2424	.2989	.3212
#1	.4894	15.30	2.984	2.967	3.010	3.055	2.951	17.36	2.929	2.828
#2	.4861	15.28	3.001	2.982	3.021	3.059	2.952	17.30	2.941	2.841

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.927	2.932	17.72	15.33	18.11	2.933	2.800	14.92	2.825	2.875
Stddev	.002	.001	.01	.01	.05	.002	.016	.03	.009	.004
%RSD	.0700	.0453	.0793	.0585	.2843	.0593	.5832	.2092	.3373	.1413
#1	2.928	2.932	17.73	15.33	18.14	2.935	2.788	14.90	2.819	2.873
#2	2.926	2.933	17.71	15.32	18.07	2.932	2.811	14.94	2.832	2.878

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	3.211	2.990	3.385	2.913	2.942	3.119	2.914	2.964	2.961	2.898
Stddev	.005	.003	.008	.010	.005	.011	.008	.028	.000	.014
%RSD	.1498	.1045	.2283	.3389	.1644	.3468	.2677	.9492	.0044	.4885
#1	3.208	2.987	3.380	2.906	2.938	3.112	2.909	2.984	2.961	2.888
#2	3.214	2.992	3.391	2.920	2.945	3.127	2.920	2.944	2.961	2.908

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	2.917	3.284	2.855	2.901
Stddev	.001	.019	.010	.003
%RSD	.0313	.5656	.3491	.0893
#1	2.918	3.270	2.847	2.903
#2	2.917	3.297	2.862	2.899

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1309.4	50322.	18260.
Stddev	3.8	16.	79.
%RSD	.28904	.03256	.43315
#1	1312.1	50334.	18204.
#2	1306.7	50310.	18316.

Zoom In Zoom Out

Sample Name: ICB Acquired: 1/22/2014 11:01:48 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	-.0053	.0013	.0038	.0039	.0003	.0002	-.0013	.0003	.0002
Stddev	.0003	.0039	.0011	.0003	.0001	.0000	.0000	.0014	.0003	.0001
%RSD	110.2	72.62	85.16	7.671	1.596	13.18	13.75	113.1	96.99	60.18
#1	.0006	-.0081	.0020	.0040	.0038	.0003	.0002	-.0023	.0001	.0001
#2	.0001	-.0026	.0005	.0036	.0039	.0003	.0002	-.0003	.0005	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0002	.0000	.0191	.0200	.0002	.0033	.0005	.0000	-.0004
Stddev	.0001	.0005	.0018	.0061	.0275	.0000	.0005	.0018	.0001	.0004
%RSD	44.39	338.0	10990.	31.93	137.4	8.780	15.71	343.2	217.7	101.1
#1	.0002	.0005	.0013	.0148	.0394	.0002	.0036	.0018	.0000	-.0008
#2	.0001	-.0002	-.0013	.0234	.0006	.0002	.0029	-.0007	.0001	-.0001

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0009	.0052	-.0001	.0007	.0007	.0015	.0002	.0002	.0002	.0001
Stddev	.0001	.0051	.0011	.0004	.0005	.0005	.0000	.0000	.0000	.0004
%RSD	15.85	97.90	1831.	53.27	66.25	31.37	12.16	26.30	16.03	368.7
#1	-.0010	.0088	-.0008	.0010	.0011	.0012	.0002	.0001	.0002	.0004
#2	-.0008	.0016	.0007	.0004	.0004	.0018	.0002	.0002	.0002	-.0002

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0001	.0136	-.0003	.0016
Stddev	.0000	.0041	.0001	.0005
%RSD	8.569	30.14	48.97	31.93
#1	.0001	.0107	-.0002	.0012
#2	.0002	.0164	-.0004	.0019

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1317.5	50828.	18129.
Stddev	.7	369.	43.
%RSD	.04944	.72622	.23695
#1	1318.0	51089.	18098.
#2	1317.1	50567.	18159.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/22/2014 11:06:43 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2451	9.772	1.925	-.0006	1.931	1.957	1.947	9.783	1.936	1.918
Stddev	.0001	.023	.002	.0005	.001	.002	.001	.035	.004	.005
%RSD	.0527	.2332	.0980	85.11	.0255	.0869	.0710	.3536	.2191	.2417
#1	.2450	9.756	1.924	-.0010	1.931	1.956	1.948	9.807	1.939	1.921
#2	.2452	9.788	1.927	-.0002	1.930	1.958	1.946	9.758	1.933	1.915

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.949	1.932	9.832	9.823	9.667	1.953	1.930	9.807	1.918	1.923
Stddev	.004	.000	.013	.009	.029	.004	.000	.007	.002	.002
%RSD	.2062	.0013	.1311	.0914	.3004	.2133	.0076	.0724	.0867	.0758
#1	1.952	1.932	9.841	9.817	9.647	1.956	1.930	9.802	1.919	1.924
#2	1.946	1.932	9.823	9.830	9.688	1.950	1.930	9.812	1.917	1.922

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0013	.0114	-.0031	1.941	1.927	-.0112	1.954	1.962	1.946	1.924
Stddev	.0012	.0041	.0026	.005	.003	.0004	.004	.029	.004	.004
%RSD	91.31	36.37	83.75	.2466	.1666	3.531	.1941	1.472	.2215	.2096
#1	-.0022	.0085	-.0013	1.944	1.929	-.0115	1.957	1.982	1.949	1.927
#2	-.0005	.0143	-.0049	1.938	1.925	-.0110	1.952	1.941	1.943	1.921

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.945	.0236	1.917	.0178
Stddev	.005	.0044	.001	.0036
%RSD	.2462	18.85	.0254	20.29
#1	1.948	.0204	1.917	.0204
#2	1.941	.0267	1.917	.0153

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1316.7	50409.	18322.
Stddev	2.0	221.	74.
%RSD	.15211	.43788	.40232
#1	1315.3	50253.	18270.
#2	1318.1	50565.	18374.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/22/2014 11:11:32 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	-.0027	.0009	.0009	.0041	.0002	.0002	-.0012	.0004	.0001
Stddev	.0002	.0020	.0007	.0009	.0004	.0000	.0000	.0011	.0001	.0001
%RSD	87.58	74.40	71.69	94.39	10.77	12.05	20.15	91.27	25.46	153.1
#1	.0001	-.0013	.0005	.0015	.0044	.0002	.0002	-.0020	.0003	.0000
#2	.0005	-.0042	.0014	.0003	.0038	.0001	.0002	-.0004	.0004	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	.0000	-.0002	.0253	-.0174	.0003	.0037	.0057	.0000	.0000
Stddev	.0002	.0001	.0010	.0199	.0188	.0001	.0008	.0052	.0003	.0002
%RSD	608.0	1068.	559.7	78.77	107.7	25.58	22.38	91.10	1274.	8481.
#1	-.0001	.0001	.0005	.0394	-.0307	.0002	.0043	.0094	-.0002	.0001
#2	.0001	-.0001	-.0009	.0112	-.0042	.0003	.0031	.0020	.0002	-.0001

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0009	.0045	.0003	.0003	.0013	.0005	.0002	.0001	.0001	-.0001
Stddev	.0007	.0010	.0009	.0002	.0003	.0001	.0001	.0000	.0000	.0003
%RSD	86.90	22.02	283.2	78.04	22.90	28.19	42.48	25.18	18.30	239.9
#1	-.0014	.0052	.0009	.0001	.0015	.0004	.0003	.0002	.0000	.0001
#2	-.0003	.0038	-.0003	.0004	.0011	.0006	.0002	.0001	.0001	-.0004

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0008	.0016	-.0005	.0000
Stddev	.0000	.0027	.0001	.000
%RSD	2.903	163.8	16.01	256.8
#1	.0008	.0035	-.0005	.0000
#2	.0008	-.0003	-.0004	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1315.8	50963.	18094.
Stddev	1.2	195.	112.
%RSD	.08892	.38200	.61639
#1	1315.0	50826.	18015.
#2	1316.6	51101.	18173.

Zoom In Zoom Out

Sample Name: CRI Acquired: 1/22/2014 11:16:27 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0052	.1924	.0039	.0020	.1016	.0508	.0041	4.980	.0043	.0498
Stddev	.0002	.0030	.0016	.0006	.0000	.0002	.0000	.013	.0000	.0000
%RSD	4.037	1.562	40.55	27.61	.0321	.3971	1.155	.2521	.7462	.0139
#1	.0053	.1902	.0028	.0024	.1016	.0509	.0041	4.989	.0043	.0498
#2	.0050	.1945	.0050	.0016	.1016	.0507	.0040	4.971	.0042	.0498

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0093	.0232	.1000	4.996	4.910	.0150	.1015	5.040	.0400	.0043
Stddev	.0001	.0002	.0018	.015	.057	.0001	.0006	.000	.0002	.0007
%RSD	1.159	.7070	1.764	.2994	1.165	.8829	.6342	.0012	.3883	15.70
#1	.0092	.0231	.1013	5.006	4.869	.0149	.1020	5.040	.0401	.0048
#2	.0094	.0233	.0988	4.985	4.950	.0151	.1011	5.040	.0399	.0039

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0010	.0015	-.0012	.0058	.0118	.0027	.0972	.0099	.0498	.0053
Stddev	.0002	.0004	.0003	.0005	.0004	.0001	.0006	.0001	.0007	.0000
%RSD	18.32	27.08	23.65	8.208	3.148	4.547	.5774	.5994	1.330	.0575
#1	-.0009	.0018	-.0014	.0062	.0115	.0028	.0968	.0099	.0493	.0053
#2	-.0011	.0012	-.0010	.0055	.0120	.0027	.0976	.0100	.0503	.0053

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0105	.0020	.0202	.0001
Stddev	.0002	.0082	.0002	.0005
%RSD	1.876	421.1	.7531	538.4
#1	.0106	.0078	.0203	-.0003
#2	.0104	-.0039	.0201	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1317.2	50858.	18222.
Stddev	.4	216.	38.
%RSD	.03276	.42472	.21063
#1	1316.9	51011.	18195.
#2	1317.5	50706.	18250.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 1/22/2014 11:21:22 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0055	.1937	.0114	.0017	.1023	.0504	.0041	4.897	.0042	.0495
Stddev	.0000	.0015	.0009	.0002	.0006	.0002	.0000	.028	.0001	.0002
%RSD	.1598	.7885	8.128	12.50	.5644	.3660	.8671	.5609	2.062	.3309
#1	.0055	.1948	.0108	.0018	.1027	.0503	.0041	4.878	.0041	.0494
#2	.0055	.1926	.0121	.0015	.1019	.0506	.0040	4.917	.0042	.0496

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0100	.0237	.0988	4.918	4.848	.0150	.1009	4.987	.0399	.0090
Stddev	.0000	.0006	.0024	.003	.051	.0001	.0001	.008	.0002	.0010
%RSD	.1656	2.480	2.400	.0526	1.052	.4218	.0672	.1614	.4763	10.97
#1	.0100	.0241	.0971	4.916	4.812	.0150	.1009	4.982	.0397	.0098
#2	.0100	.0233	.1005	4.920	4.884	.0150	.1008	4.993	.0400	.0083

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0008	.0016	-.0011	.0105	.0112	.0068	.0968	.0100	.0494	.0094
Stddev	.0011	.0018	.0012	.0007	.0016	.0000	.0005	.0001	.0000	.0006
%RSD	142.9	111.6	112.0	7.029	13.86	.7055	.5094	.5141	.0334	6.017
#1	.0000	.0003	-.0020	.0111	.0123	.0068	.0972	.0099	.0494	.0090
#2	-.0016	.0028	-.0002	.0100	.0101	.0068	.0965	.0100	.0495	.0098

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0100	.0017	.0191	-.0001
Stddev	.0001	.0143	.0001	.0000
%RSD	1.249	834.3	.4961	6.152
#1	.0101	.0118	.0190	-.0001
#2	.0099	-.0084	.0191	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1312.7	50899.	18161.
Stddev	.2	89.	119.
%RSD	.01837	.17459	.65473
#1	1312.5	50836.	18245.
#2	1312.9	50962.	18077.

Zoom In Zoom Out

Sample Name: CRIB Acquired: 1/22/2014 11:26:15 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0052	.1885	.0117	.0026	.1004	.5529	.0040	4.896	.0042	.0493
Stddev	.0001	.0061	.0020	.0009	.0003	.0007	.0001	.005	.0000	.0001
%RSD	2.169	3.234	17.41	36.07	.2578	.1271	2.298	.1021	.5615	.2536
#1	.0053	.1842	.0102	.0032	.1006	.5534	.0040	4.900	.0042	.0494
#2	.0051	.1928	.0131	.0019	.1002	.5524	.0041	4.893	.0042	.0492

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0088	.0236	.0982	4.939	4.871	.0150	.1002	4.969	.0394	.0100
Stddev	.0002	.0007	.0006	.016	.004	.0001	.0001	.007	.0001	.0005
%RSD	2.633	3.152	.6131	.3324	.0868	.7566	.0617	.1476	.2480	5.106
#1	.0087	.0231	.0986	4.951	4.874	.0151	.1002	4.964	.0395	.0104
#2	.0090	.0241	.0978	4.928	4.868	.0149	.1003	4.974	.0394	.0097

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0012	.0019	-.0028	.0060	.0277	.0026	.0970	.0099	.0495	.0036
Stddev	.0007	.0012	.0005	.0003	.0007	.0002	.0000	.0000	.0003	.0011
%RSD	61.13	61.84	16.16	5.339	2.451	8.321	.0489	.1258	.6160	29.94
#1	-.0007	.0027	-.0025	.0062	.0273	.0025	.0969	.0100	.0493	.0044
#2	-.0017	.0011	-.0031	.0058	.0282	.0028	.0970	.0099	.0497	.0028

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0100	.0022	.1115	.0002
Stddev	.0000	.0009	.0002	.0001
%RSD	.0836	39.66	.1635	41.55
#1	.0100	.0016	.1114	.0003
#2	.0100	.0028	.1116	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1308.5	50365.	17993.
Stddev	.8	54.	14.
%RSD	.05978	.10817	.07590
#1	1309.1	50404.	18002.
#2	1308.0	50327.	17983.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 1/22/2014 11:31:08 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	519.7	.0007	.0040	.0013	-.0001	.0000	448.3	.0005	.0016
Stddev	.0001	4.7	.0006	.0005	.0008	.0001	.0000	3.5	.0001	.0004
%RSD	24.71	.9107	77.02	11.86	64.58	156.1	616.4	.7711	19.03	21.46
#1	.0005	523.0	.0003	.0043	.0018	-.0002	.0000	445.9	.0005	.0014
#2	.0004	516.3	.0011	.0036	.0007	.0000	.0000	450.7	.0004	.0019

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0042	179.5	-.0452	523.6	.0000	.0001	.0300	.0008	.0008
Stddev	.0003	.0000	.9	.0059	2.2	.0001	.0001	.0073	.0000	.0014
%RSD	157.4	.1748	.5223	13.00	.4116	945.8	163.3	24.32	2.956	180.0
#1	.0000	.0042	178.9	-.0411	522.1	.0001	.0000	.0248	.0009	.0017
#2	-.0004	.0042	180.2	-.0494	525.2	.0000	.0002	.0351	.0008	-.0002

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0384	-.0223	.1195	.0047	.0017	.0468	.0016	-.0083	.0052	.0010
Stddev	.0005	.0049	.0062	.0014	.0012	.0008	.0001	.0001	.0004	.0006
%RSD	1.245	22.01	5.189	28.87	65.90	1.620	7.082	.6066	7.438	62.02
#1	-.0381	-.0258	.1151	.0038	.0026	.0473	.0016	-.0083	.0049	.0014
#2	-.0387	-.0189	.1238	.0057	.0009	.0463	.0015	-.0084	.0055	.0005

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0010	-.0353	.0001	.0044
Stddev	.0001	.0039	.0006	.0000
%RSD	5.568	11.12	564.9	.9184
#1	-.0010	-.0381	.0006	.0044
#2	-.0010	-.0326	-.0003	.0043

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1195.4	46577.	17609.
Stddev	1.4	37.	112.
%RSD	.12087	.07990	.63528
#1	1194.4	46551.	17688.
#2	1196.5	46604.	17530.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 1/22/2014 11:36:10 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.060	516.5	2.080	.4918	1.013	.4996	.4556	446.3	1.023	.4572
Stddev	.003	8.3	.010	.0038	.003	.0003	.0002	.1	.004	.0021
%RSD	.2987	1.604	.4620	.7796	.2740	.0569	.0427	.0278	.4050	.4520
#1	1.058	522.3	2.087	.4945	1.015	.4998	.4558	446.4	1.026	.4586
#2	1.062	510.6	2.073	.4891	1.011	.4994	.4555	446.2	1.020	.4557

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4566	.5447	175.5	-.0493	519.4	.4771	.9200	.0288	.8480	.8993
Stddev	.0022	.0002	.3	.0048	.2	.0014	.0020	.0048	.0045	.0047
%RSD	.4771	.0457	.1690	9.679	.0419	.3014	.2217	16.59	.5354	.5208
#1	.4582	.5445	175.7	-.0527	519.6	.4760	.9214	.0254	.8512	.9026
#2	.4551	.5449	175.3	-.0460	519.3	.4781	.9185	.0322	.8448	.8960

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.5419	.4801	.6778	2.045	1.968	2.262	.9646	.9545	.5017	1.820
Stddev	.0003	.0067	.0004	.014	.002	.018	.0017	.0005	.0003	.008
%RSD	.0488	1.398	.0544	.6679	.1142	.7878	.1760	.0496	.0554	.4220
#1	.5417	.4753	.6780	2.055	1.970	2.275	.9658	.9541	.5015	1.826
#2	.5420	.4848	.6775	2.036	1.966	2.250	.9634	.9548	.5019	1.815

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5001	2.081	.8824	.3518
Stddev	.0003	.009	.0039	.0040
%RSD	.0638	.4369	.4458	1.145
#1	.5004	2.088	.8852	.3490
#2	.4999	2.075	.8797	.3547

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1189.4	46676.	17747.
Stddev	5.3	172.	49.
%RSD	.44478	.36842	.27688
#1	1185.7	46798.	17713.
#2	1193.2	46555.	17782.

Zoom In Zoom Out

Sample Name: MP22402-B1 Acquired: 1/22/2014 11:41:02 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2065	2.181	.5226	.0002	1.020	2.058	.4994	24.41	.5118	.4918
Stddev	.0007	.001	.0001	.0010	.003	.004	.0022	.13	.0014	.0020
%RSD	.3230	.0251	.0250	574.8	.3298	.1783	.4309	.5400	.2691	.4081
#1	.2060	2.182	.5227	-.0006	1.023	2.056	.4979	24.32	.5128	.4932
#2	.2069	2.181	.5225	.0009	1.018	2.061	.5009	24.50	.5109	.4903

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4892	.5090	2.055	25.47	25.39	.4973	.9691	25.27	.4742	.9781
Stddev	.0006	.0016	.011	.08	.20	.0020	.0033	.04	.0017	.0017
%RSD	.1277	.3141	.5400	.3256	.7693	.4050	.3457	.1518	.3502	.1731
#1	.4888	.5079	2.047	25.42	25.25	.4958	.9715	25.25	.4754	.9793
#2	.4897	.5101	2.062	25.53	25.53	.4987	.9667	25.30	.4731	.9769

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0012	.0060	2.262	.5013	.4878	1.062	1.045	.5057	.5039	.4902
Stddev	.0001	.0000	.005	.0016	.0028	.005	.003	.0019	.0007	.0023
%RSD	8.854	.3452	.2404	.3247	.5696	.4837	.3014	.3768	.1341	.4688
#1	-.0013	.0060	2.266	.5025	.4898	1.066	1.048	.5044	.5034	.4918
#2	-.0011	.0060	2.259	.5001	.4858	1.059	1.043	.5071	.5044	.4886

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5312	.0153	.5097	.0566
Stddev	.0036	.0067	.0016	.0056
%RSD	.6816	43.68	.3171	9.815
#1	.5286	.0106	.5109	.0606
#2	.5338	.0201	.5086	.0527

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1290.1	49319.	17981.
Stddev	4.2	90.	140.
%RSD	.32706	.18149	.77869
#1	1287.1	49382.	18080.
#2	1293.1	49255.	17882.

Zoom In Zoom Out

Sample Name: MP22402-MB1 Acquired: 1/22/2014 11:45:45 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	.0588	.0006	.0016	.0029	.0018	.0002	.0880	.0003	.0002
Stddev	.0001	.0054	.0012	.0004	.0003	.0000	.0000	.0033	.0001	.0001
%RSD	232.0	9.256	213.0	27.60	10.41	1.138	17.56	3.715	48.37	41.45
#1	.0000	.0550	.0014	.0013	.0027	.0018	.0001	.0903	.0002	.0002
#2	-.0002	.0627	-.0003	.0019	.0031	.0018	.0002	.0857	.0004	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0003	-.0003	.0579	.0236	.0372	.0010	.0017	.0286	-.0002	.0004
Stddev	.0008	.0006	.0022	.0039	.0013	.0001	.0003	.0050	.0001	.0002
%RSD	303.1	188.1	3.743	16.37	3.631	5.499	15.68	17.50	64.30	45.33
#1	.0008	.0001	.0564	.0209	.0381	.0010	.0019	.0250	-.0002	.0005
#2	-.0003	-.0008	.0594	.0264	.0362	.0010	.0015	.0321	-.0001	.0002

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0007	.0019	.0047	.0020	.0021	.0078	.0143	.0003	.0007	-.0004
Stddev	.0003	.0026	.0001	.0006	.0014	.0006	.0001	.0000	.0005	.0005
%RSD	40.72	137.7	2.012	31.18	67.28	7.393	.7012	10.12	64.29	113.4
#1	.0005	.0037	.0046	.0025	.0031	.0074	.0142	.0004	.0011	-.0001
#2	.0009	.0000	.0047	.0016	.0011	.0082	.0144	.0003	.0004	-.0008

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0005	.0045	.0041	.0005
Stddev	.0002	.0005	.0001	.0001
%RSD	40.66	11.05	2.392	25.41
#1	.0006	.0048	.0040	.0004
#2	.0004	.0041	.0041	.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1311.5	50060.	18234.
Stddev	.7	33.	7.
%RSD	.05313	.06530	.04022
#1	1312.0	50083.	18229.
#2	1311.0	50037.	18240.

Zoom In Zoom Out

Sample Name: MP22402-S1 Acquired: 1/22/2014 11:50:41 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1943	99.72	.5339	.0027	.9450	3.931	.4503	173.4	.4826	.5145
Stddev	.0001	.43	.0072	.0012	.0094	.016	.0013	.4	.0054	.0060
%RSD	.0358	.4287	1.354	44.83	.9902	.4170	.2979	.2160	1.121	1.173
#1	.1943	99.42	.5391	.0019	.9516	3.942	.4493	173.2	.4864	.5188
#2	.1942	100.0	.5288	.0036	.9384	3.919	.4512	173.7	.4787	.5103

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6103	.7240	143.8	32.71	54.10	3.306	.8646	24.61	.7705	1.950
Stddev	.0023	.0004	.4	.16	.16	.007	.0080	.07	.0105	.023
%RSD	.3840	.0508	.2622	.4788	.2892	.2229	.9287	.2820	1.364	1.174
#1	.6086	.7243	143.5	32.60	53.99	3.300	.8703	24.56	.7779	1.966
#2	.6119	.7238	144.1	32.82	54.21	3.311	.8590	24.66	.7631	1.934

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0144	.0154	5.959	.2505	.4509	6.254	.9332	.8182	3.944	.4442
Stddev	.0001	.0024	.070	.0033	.0079	.069	.0101	.0044	.004	.0047
%RSD	.5437	15.60	1.174	1.319	1.743	1.106	1.078	.5427	.0990	1.068
#1	-.0143	.0137	6.008	.2528	.4565	6.303	.9404	.8151	3.941	.4476
#2	-.0144	.0171	5.909	.2481	.4453	6.205	.9261	.8214	3.947	.4409

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.7283	.0120	1.585	.0191
Stddev	.0000	.0007	.020	.0002
%RSD	.0039	5.428	1.236	.9648
#1	.7283	.0125	1.599	.0190
#2	.7283	.0115	1.572	.0192

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1359.4	52996.	19475.
Stddev	12.8	83.	5.
%RSD	.94061	.15694	.02498
#1	1350.4	53055.	19471.
#2	1368.4	52937.	19478.

Zoom In Zoom Out

Sample Name: MP22402-S2 Acquired: 1/22/2014 11:55:27 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1927	102.1	.5271	.0008	.9371	3.332	.4501	129.1	.4739	.5118
Stddev	.0007	.2	.0017	.0000	.0003	.005	.0005	.6	.0009	.0006
%RSD	.3416	.1733	.3304	2.830	.0362	.1484	.1065	.4588	.1938	.1192
#1	.1922	102.0	.5283	.0008	.9369	3.329	.4497	128.6	.4746	.5123
#2	.1932	102.2	.5258	.0008	.9374	3.336	.4504	129.5	.4733	.5114

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6144	.7384	159.4	33.44	53.07	3.305	.8574	24.57	.7532	1.892
Stddev	.0015	.0001	.6	.01	.14	.012	.0005	.05	.0017	.003
%RSD	.2484	.0068	.3939	.0151	.2697	.3633	.0635	.1931	.2268	.1517
#1	.6134	.7384	159.0	33.44	52.97	3.297	.8570	24.53	.7544	1.890
#2	.6155	.7385	159.9	33.43	53.18	3.314	.8578	24.60	.7520	1.894

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0122	.0169	7.573	.2616	.4430	8.398	.9838	.9773	4.060	.4364
Stddev	.0008	.0015	.006	.0004	.0013	.007	.0005	.0013	.004	.0017
%RSD	6.708	9.017	.0851	.1504	.2881	.0879	.0473	.1330	.1066	.3869
#1	-.0116	.0180	7.578	.2614	.4439	8.403	.9842	.9764	4.057	.4375
#2	-.0128	.0158	7.569	.2619	.4421	8.392	.9835	.9783	4.063	.4352

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.7514	.0355	1.573	.0174
Stddev	.0035	.0019	.004	.0005
%RSD	.4624	5.398	.2637	2.658
#1	.7489	.0341	1.576	.0171
#2	.7538	.0368	1.570	.0178

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1380.2	52892.	19523.
Stddev	4.3	84.	120.
%RSD	.31366	.15879	.61333
#1	1377.1	52951.	19608.
#2	1383.2	52832.	19439.

Zoom In Zoom Out

Sample Name: MC27771-1 Acquired: 1/22/2014 12:00:09 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	88.38	.0501	.0039	.0268	1.208	.0047	66.07	.0026	.0702
Stddev	.0003	.12	.0014	.0009	.0001	.006	.0001	.16	.0000	.0003
%RSD	88.96	.1350	2.840	23.52	.1895	.4663	1.807	.2359	.7397	.4072
#1	-.0005	88.46	.0491	.0046	.0267	1.212	.0048	66.18	.0025	.0700
#2	-.0001	88.29	.0511	.0033	.0268	1.204	.0046	65.96	.0026	.0704

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1764	.2293	148.8	8.652	30.07	2.766	.0052	.9478	.3485	1.066
Stddev	.0061	.0089	.3	.010	.05	.093	.0005	.0044	.0011	.003
%RSD	3.454	3.897	.1714	.1143	.1807	3.347	9.121	.4652	.3114	.3016
#1	.1807	.2357	148.9	8.659	30.11	2.831	.0055	.9509	.3478	1.063
#2	.1721	.2230	148.6	8.645	30.03	2.700	.0048	.9447	.3493	1.068

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0060	.0120	3.694	.0047	.0009	5.985	.0531	.2664	3.279	.0022
Stddev	.0007	.0044	.012	.0001	.0009	.027	.0002	.0004	.112	.0003
%RSD	11.56	37.03	.3148	2.789	98.37	.4542	.4083	.1641	3.427	11.38
#1	-.0065	.0151	3.686	.0046	.0003	5.966	.0532	.2667	3.359	.0024
#2	-.0055	.0089	3.703	.0048	.0015	6.005	.0529	.2661	3.200	.0020

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2532	.0083	1.108	.0077
Stddev	.0082	.0015	.004	.0015
%RSD	3.258	18.30	.3485	19.74
#1	.2590	.0072	1.106	.0087
#2	.2474	.0094	1.111	.0066

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1418.6	54707.	19688.
Stddev	4.0	1518.	33.
%RSD	.28190	2.7747	.16583
#1	1421.4	53634.	19665.
#2	1415.7	55780.	19711.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/22/2014 12:04:57 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2526	9.757	1.893	-.0008	1.931	1.961	1.902	9.833	1.935	1.892
Stddev	.0011	.010	.001	.0001	.002	.005	.002	.080	.005	.003
%RSD	.4438	.1039	.0699	10.96	.1120	.2724	.1144	.8131	.2526	.1711
#1	.2518	9.750	1.892	-.0007	1.930	1.965	1.900	9.776	1.931	1.889
#2	.2534	9.765	1.893	-.0009	1.933	1.957	1.903	9.889	1.938	1.894

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.883	2.009	9.725	9.923	9.521	1.944	1.901	9.689	1.844	1.884
Stddev	.012	.008	.035	.006	.090	.003	.006	.027	.002	.001
%RSD	.6199	.3977	.3596	.0650	.9456	.1612	.3219	.2797	.1276	.0337
#1	1.891	2.004	9.700	9.927	9.457	1.946	1.896	9.708	1.843	1.884
#2	1.875	2.015	9.749	9.918	9.585	1.942	1.905	9.670	1.846	1.885

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0006	.0140	-.0012	1.896	1.870	-.0057	1.973	1.998	1.967	1.913
Stddev	.0002	.0043	.0005	.004	.002	.0009	.007	.004	.000	.004
%RSD	38.62	30.59	43.28	.2110	.0989	15.29	.3785	.1922	.0218	.2294
#1	-.0007	.0171	-.0008	1.893	1.869	-.0051	1.967	2.000	1.968	1.910
#2	-.0004	.0110	-.0016	1.899	1.872	-.0063	1.978	1.995	1.967	1.916

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	2.002	.0175	1.887	.0084
Stddev	.006	.0035	.005	.0021
%RSD	.2875	19.91	.2421	24.99
#1	2.006	.0151	1.884	.0099
#2	1.998	.0200	1.891	.0069

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1321.8	49500.	18096.
Stddev	2.9	204.	168.
%RSD	.22087	.41312	.92574
#1	1323.8	49355.	18214.
#2	1319.7	49644.	17977.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/22/2014 12:09:40 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0005	.0020	.0016	.0018	.0025	.0007	.0002	.0049	.0001
Stddev	.0002	.0028	.0013	.0003	.0002	.0001	.0000	.0004	.0001
%RSD	36.04	139.7	83.54	14.90	6.553	12.76	16.53	8.091	53.75
#1	-.0004	.0039	.0006	.0020	.0026	.0008	.0002	.0046	.0002
#2	-.0006	.0000	.0025	.0016	.0024	.0006	.0002	.0052	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0001	-.0007	-.0013	.0080	.0393	-.0046	.0003	.0030	.0020
Stddev	.0001	.0004	.0002	.0030	.0107	.0037	.0001	.0008	.0016
%RSD	104.6	53.95	13.96	37.21	27.14	81.75	28.15	27.89	80.35
#1	.0000	-.0004	-.0015	.0101	.0318	-.0019	.0003	.0036	.0009
#2	.0002	-.0010	-.0012	.0059	.0469	-.0072	.0004	.0024	.0031

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0002	.0003	-.0007	.0063	-.0010	.0004	.0022	.0036	.0000
Stddev	.0004	.0005	.0008	.0034	.0006	.0003	.0012	.0005	.0002
%RSD	206.0	134.9	130.3	55.00	63.28	95.13	52.51	13.87	549.2
#1	.0005	.0007	-.0012	.0038	-.0006	.0001	.0031	.0040	-.0001
#2	-.0001	.0000	-.0001	.0087	-.0015	.0006	.0014	.0033	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0003	.0005	F.0021	.0008	.0037	.0003	.0004
Stddev	.0001	.0005	.0002	.0001	.0002	.0000	.0003
%RSD	30.35	116.2	10.80	13.76	4.655	10.35	67.57
#1	.0004	.0001	.0019	.0009	.0035	.0003	.0006
#2	.0002	.0008	.0022	.0007	.0038	.0003	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1330.3	50179.	17941.
Stddev	1.0	130.	139.
%RSD	.07461	.25945	.77588
#1	1331.0	50271.	17843.
#2	1329.6	50087.	18040.

Zoom In Zoom Out

Sample Name: MP22402-SD1 Acquired: 1/22/2014 12:14:37 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0025	95.38	.0582	.0102	.0372	1.319	.0055	73.08	.0030	.0758
Stddev	.0008	.30	.0008	.0058	.0030	.000	.0000	.20	.0007	.0024
%RSD	30.58	.3097	1.314	56.80	8.019	.0221	.6236	.2705	23.00	3.158
#1	-.0020	95.59	.0588	.0061	.0351	1.319	.0054	73.22	.0035	.0775
#2	-.0031	95.17	.0577	.0143	.0393	1.319	.0055	72.94	.0025	.0741

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2011	.2510	165.3	9.410	32.08	3.143	.0077	1.005	.3762	1.162
Stddev	.0021	.0017	.1	.030	.09	.001	.0010	.003	.0008	.005
%RSD	1.037	.6594	.0711	.3231	.2922	.0385	13.58	.2659	.2047	.3960
#1	.1996	.2522	165.4	9.389	32.15	3.144	.0084	1.003	.3767	1.165
#2	.2026	.2498	165.2	9.432	32.02	3.142	.0070	1.006	.3756	1.159

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0109	.0335	3.999	.0115	.0045	6.321	.0553	.2936	3.728	.0036
Stddev	.0052	.0222	.003	.0037	.0035	.010	.0020	.0002	.003	.0034
%RSD	47.26	66.13	.0688	31.65	76.85	.1567	3.552	.0620	.0658	95.60
#1	-.0073	.0179	3.997	.0090	.0070	6.328	.0567	.2935	3.726	.0060
#2	-.0146	.0492	4.001	.0141	.0021	6.314	.0539	.2937	3.729	.0012

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2898	.0061	1.241	.0057
Stddev	.0038	.0387	.002	.0003
%RSD	1.311	635.0	.1914	5.496
#1	.2871	.0335	1.242	.0055
#2	.2925	-.0213	1.239	.0059

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1360.9	50210.	18609.
Stddev	1.5	99.	13.
%RSD	.10673	.19681	.07107
#1	1359.9	50280.	18619.
#2	1361.9	50141.	18600.

Zoom In Zoom Out

Sample Name: MP22402-LC1 Acquired: 1/22/2014 12:19:27 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.3716	76.76	.9448	.0031	.9864	1.705	.5304	60.40	.6360	.9840
Stddev	.0019	.17	.0001	.0004	.0011	.007	.0009	.10	.0013	.0017
%RSD	.5183	.2274	.0101	11.95	.1065	.3907	.1699	.1697	.2100	.1744
#1	.3702	76.88	.9447	.0033	.9872	1.710	.5310	60.47	.6369	.9852
#2	.3729	76.63	.9448	.0028	.9857	1.701	.5297	60.33	.6350	.9828

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6761	.8505	119.9	38.45	29.70	2.889	.3903	6.572	.5457	.8853
Stddev	.0007	.0048	.4	.04	.03	.005	.0008	.003	.0003	.0018
%RSD	.1071	.5647	.2997	.1025	.1133	.1648	.2037	.0426	.0520	.2066
#1	.6756	.8471	120.1	38.48	29.68	2.886	.3909	6.570	.5455	.8866
#2	.6766	.8539	119.6	38.43	29.72	2.893	.3897	6.574	.5459	.8840

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0047	.0117	2.935	.7936	1.583	6.907	1.057	.7024	2.095	1.189
Stddev	.0019	.0048	.002	.0005	.002	.003	.000	.0020	.003	.001
%RSD	41.01	41.29	.0578	.0657	.1305	.0450	.0010	.2830	.1189	.0995
#1	-.0033	.0152	2.936	.7933	1.584	6.905	1.057	.7038	2.093	1.188
#2	-.0060	.0083	2.933	.7940	1.581	6.910	1.057	.7010	2.096	1.190

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5829	.0110	1.324	.0475
Stddev	.0002	.0053	.002	.0001
%RSD	.0306	48.04	.1139	.2390
#1	.5828	.0073	1.325	.0474
#2	.5831	.0148	1.323	.0476

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1418.6	52560.	19599.
Stddev	3.0	169.	36.
%RSD	.20838	.32140	.18217
#1	1416.5	52440.	19573.
#2	1420.7	52679.	19624.

Zoom In Zoom Out

Sample Name: MC27760-1 Acquired: 1/22/2014 12:24:08 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0010	120.7	.0595	.0041	.0484	.7965	.0058	111.2	.0019	.0699
Stddev	.0001	.2	.0016	.0001	.0002	.0004	.0000	.2	.0002	.0001
%RSD	6.688	.1687	2.623	3.086	.4403	.0526	.5434	.2116	9.798	.1672
#1	-.0010	120.5	.0584	.0040	.0483	.7962	.0058	111.4	.0020	.0698
#2	-.0010	120.8	.0606	.0041	.0486	.7968	.0058	111.0	.0017	.0700

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1798	.1441	169.2	11.87	47.05	2.579	.0085	.5299	.1650	.1165
Stddev	.0007	.0008	.2	.03	.02	.005	.0002	.0001	.0002	.0005
%RSD	.3976	.5328	.1051	.2548	.0495	.1807	2.715	.0135	.0977	.4185
#1	.1803	.1447	169.3	11.85	47.03	2.583	.0087	.5299	.1649	.1169
#2	.1793	.1436	169.0	11.89	47.07	2.576	.0084	.5300	.1652	.1162

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0102	.0107	.6533	.0066	.0003	5.056	.0087	.2007	2.288	.0018
Stddev	.0013	.0021	.0019	.0001	.0017	.006	.0002	.0000	.004	.0009
%RSD	12.45	19.92	.2888	1.770	642.9	.1179	2.273	.0052	.1579	53.99
#1	-.0093	.0122	.6547	.0065	-.0009	5.052	.0089	.2007	2.291	.0011
#2	-.0111	.0092	.6520	.0067	.0015	5.060	.0086	.2007	2.286	.0024

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2883	-.0056	.4299	.0351
Stddev	.0010	.0043	.0002	.0002
%RSD	.3454	76.37	.0530	.5643
#1	.2890	-.0026	.4300	.0350
#2	.2876	-.0086	.4297	.0353

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1448.9	54195.	20155.
Stddev	.0	63.	92.
%RSD	.00119	.11586	.45736
#1	1448.9	54151.	20090.
#2	1448.9	54239.	20220.

Zoom In Zoom Out

Sample Name: MC27760-2 Acquired: 1/22/2014 12:28:56 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0008	58.50	.0691	.0053	.0542	1.392	.0046	362.9	.0055	.0430
Stddev	.0000	.11	.0011	.0006	.0001	.003	.0000	.5	.0002	.0001
%RSD	4.466	.1906	1.656	11.12	.1233	.2403	.3018	.1455	2.826	.2938
#1	.0008	58.42	.0700	.0049	.0542	1.389	.0046	363.3	.0056	.0429
#2	.0007	58.58	.0683	.0057	.0543	1.394	.0046	362.5	.0054	.0431

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1286	.2601	107.2	7.016	92.86	2.654	.0108	.8254	.1128	1.809
Stddev	.0000	.0009	.2	.022	.23	.003	.0001	.0056	.0001	.000
%RSD	.0216	.3337	.2016	.3206	.2482	.0976	1.308	.6797	.1119	.0133
#1	.1287	.2607	107.4	7.032	92.69	2.652	.0107	.8215	.1127	1.809
#2	.1286	.2595	107.1	7.000	93.02	2.656	.0109	.8294	.1129	1.809

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0181	.0171	3.252	.0075	.0055	4.706	.0760	.4934	1.951	.0031
Stddev	.0004	.0059	.008	.0001	.0008	.007	.0003	.0007	.002	.0007
%RSD	1.948	34.71	.2501	.7994	15.04	.1395	.3421	.1499	.0883	20.70
#1	-.0184	.0213	3.247	.0075	.0049	4.710	.0758	.4929	1.952	.0036
#2	-.0179	.0129	3.258	.0075	.0061	4.701	.0762	.4940	1.949	.0027

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2136	-.0065	1.918	.0205
Stddev	.0004	.0030	.003	.0002
%RSD	.2027	46.06	.1280	.9735
#1	.2139	-.0086	1.917	.0206
#2	.2133	-.0044	1.920	.0204

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1347.7	50510.	19135.
Stddev	1.4	96.	22.
%RSD	.10030	.18995	.11561
#1	1348.6	50578.	19119.
#2	1346.7	50442.	19150.

Zoom In Zoom Out

Sample Name: MC27753-11 Acquired: 1/22/2014 12:34:11 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1966	81.75	.0403	.0116	.1705	.5268	.0034	158.4	.6781	.7264
Stddev	.0019	.64	.0068	.0025	.0006	.0039	.0003	1.7	.0002	.0001
%RSD	.9601	.7812	16.82	21.84	.3336	.7365	8.542	1.046	.0345	.0131
#1	.1952	81.30	.0451	.0134	.1709	.5241	.0036	157.2	.6782	.7264
#2	.1979	82.20	.0355	.0098	.1701	.5296	.0032	159.6	.6779	.7263

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	15.92	1.178	113.5	8.064	18.36	2.056	.3848	1.946	8.794	.9051
Stddev	.03	.002	1.1	.014	.02	.001	.0018	.003	.012	.0053
%RSD	.1881	.1643	1.003	.1754	.1194	.0329	.4805	.1317	.1343	.5853
#1	15.94	1.176	112.7	8.074	18.34	2.056	.3835	1.944	8.803	.9089
#2	15.90	1.179	114.3	8.054	18.37	2.057	.3862	1.948	8.786	.9014

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0048	-.0256	45.13	-.0104	.0095	6.284	.1366	.2728	8.800	.0063
Stddev	.0015	.0167	.10	.0012	.0030	.010	.0016	.0018	.021	.0018
%RSD	32.12	65.09	.2132	11.67	31.63	.1571	1.180	.6566	.2374	28.11
#1	-.0058	-.0138	45.20	-.0113	.0074	6.291	.1378	.2715	8.815	.0050
#2	-.0037	-.0374	45.06	-.0095	.0117	6.277	.1355	.2741	8.786	.0075

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.3633	.1471	5.594	.0209
Stddev	.0010	.0064	.006	.0016
%RSD	.2699	4.322	.1040	7.552
#1	.3640	.1516	5.598	.0220
#2	.3626	.1426	5.590	.0198

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1354.5	49633.	18271.
Stddev	1.7	65.	234.
%RSD	.12256	.13121	1.2789
#1	1353.4	49587.	18437.
#2	1355.7	49679.	18106.

Zoom In Zoom Out

Sample Name: MP22403-PS1 Acquired: 1/22/2014 12:38:59 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0001	.0384	.0026	-.0005	.1778	.7026	.0000	78.88	-.0001
Stddev	.0003	.0031	.0027	.0005	.0008	.0020	.000	.16	.0000
%RSD	194.9	8.205	104.5	97.30	.4574	.2821	191.6	.2001	75.10
#1	-.0003	.0406	.0045	-.0008	.1783	.7040	-.0001	78.99	-.0001
#2	.0001	.0362	.0007	-.0002	.1772	.7012	.0000	78.77	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0006	-.0001	.0002	1.109	10.45	21.74	.2908	.0012	873.1
Stddev	.0001	.0000	.0005	.004	.04	.01	.0009	.0002	2.8
%RSD	11.70	38.47	260.3	.3589	.4128	.0459	.3184	12.85	.3176
#1	.0007	-.0001	-.0002	1.111	10.42	21.75	.2915	.0011	875.1
#2	.0006	-.0001	.0006	1.106	10.48	21.73	.2901	.0013	871.2

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0002	-.0018	-.0041	.0042	F48.92	.0012	.0180	7.484	-.0002
Stddev	.0004	.0011	.0001	.0065	.05	.0005	.0009	.012	.0002
%RSD	197.1	63.05	2.809	154.0	.1106	45.77	5.069	.1588	89.56
#1	-.0001	-.0026	-.0040	.0088	48.96	.0008	.0173	7.492	-.0001
#2	.0004	-.0010	-.0042	-.0004	48.88	.0015	.0186	7.476	-.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.332	.0029	.0022	.0009	-.0031	.0017	-.0102
Stddev	.002	.0003	.0003	.0002	.0008	.0001	.0005
%RSD	.1301	9.535	13.29	19.85	25.77	7.707	4.818
#1	1.333	.0027	.0024	.0008	-.0025	.0016	-.0099
#2	1.331	.0030	.0020	.0010	-.0037	.0018	-.0106

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1256.2	48186.	17574.
Stddev	.8	214.	23.
%RSD	.06102	.44388	.13144
#1	1255.6	48034.	17558.
#2	1256.7	48337.	17591.

Zoom In Zoom Out

Sample Name: MC27690-1 Acquired: 1/22/2014 12:43:57 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179
Avg	.0022	.4030	-.0044	-.0334	19.03	68.83	-.0001	156.5
Stddev	.0050	.0857	.0037	.0124	.03	.00	.0006	.3
%RSD	231.0	21.26	85.05	37.04	.1639	.0033	640.3	.1618
#1	-.0014	.3424	-.0018	-.0246	19.01	68.83	-.0005	156.7
#2	.0057	.4636	-.0070	-.0421	19.05	68.83	.0003	156.3

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avg	.0062	-.0014	-.0020	-.0032	2.097	31.06	19.14	.3737
Stddev	.0012	.0005	.0136	.0042	.019	.11	.08	.0013
%RSD	18.98	34.98	676.1	130.3	.9085	.3583	.4092	.3470
#1	.0070	-.0011	-.0117	-.0062	2.110	31.14	19.09	.3728
#2	.0054	-.0018	.0076	-.0003	2.083	30.98	19.20	.3746

Elem	Mo2020	Na5895	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068
Avg	5.070	502.7	.0059	-.0123	-.0141	.0141	6.003	.0802
Stddev	.018	.0	.0003	.0046	.0191	.0351	.003	.0152
%RSD	.3531	.0075	5.673	37.63	135.7	249.3	.0429	18.88
#1	5.057	502.8	.0061	-.0091	-.0006	.0389	6.001	.0695
#2	5.083	502.7	.0056	-.0156	-.0276	-.0108	6.005	.0910

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2397
Avg	.1022	3.172	.0297	30.20	.0196	F-.0590	-.0043	-.0296
Stddev	.0128	.006	.0084	.27	.0003	.0044	.0033	.0401
%RSD	12.49	.1754	28.40	.8778	1.422	7.516	77.31	135.4
#1	.0932	3.168	.0357	30.01	.0194	-.0621	-.0019	-.0013
#2	.1112	3.176	.0238	30.39	.0198	-.0558	-.0066	-.0580

Elem	Zn2062	Zr3391
Avg	.3270	-.0011
Stddev	.0010	.0011
%RSD	.3050	100.0
#1	.3263	-.0018
#2	.3277	-.0003

Zoom In Zoom Out

Sample Name: MC27690-1 Acquired: 1/22/2014 12:43:57 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 10X

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1305.7	49676.	18099.
Stddev	1.9	82.	25.
%RSD	.14554	.16555	.14035
#1	1307.1	49618.	18117.
#2	1304.4	49734.	18081.

Zoom In Zoom Out

Sample Name: MC27771-2 Acquired: 1/22/2014 12:49:02 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	71.28	.0444	.0033	.0273	.7741	.0047	57.59	.0023	.0608
Stddev	.0003	.03	.0034	.0001	.0004	.0002	.0001	.10	.0001	.0004
%RSD	92.16	.0449	7.637	4.480	1.624	.0223	1.732	.1801	6.046	.6565
#1	-.0001	71.31	.0468	.0034	.0277	.7739	.0047	57.66	.0024	.0610
#2	-.0005	71.26	.0420	.0032	.0270	.7742	.0048	57.52	.0022	.0605

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1572	.2019	137.3	6.888	26.48	3.002	.0059	1.114	.3660	1.091
Stddev	.0013	.0006	.2	.004	.01	.016	.0002	.004	.0023	.009
%RSD	.8008	.2966	.1190	.0631	.0221	.5403	3.882	.3970	.6241	.8087
#1	.1563	.2015	137.5	6.891	26.47	2.991	.0060	1.117	.3677	1.097
#2	.1581	.2023	137.2	6.885	26.48	3.014	.0057	1.111	.3644	1.084

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0048	.0193	3.183	.0162	.0010	4.521	.2306	.2677	3.094	.0011
Stddev	.0002	.0045	.016	.0005	.0010	.026	.0010	.0001	.011	.0002
%RSD	4.262	23.25	.5126	3.166	99.94	.5709	.4254	.0368	.3383	14.15
#1	-.0050	.0162	3.195	.0165	.0003	4.539	.2313	.2677	3.087	.0010
#2	-.0047	.0225	3.172	.0158	.0016	4.503	.2300	.2678	3.101	.0012

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2297	.0027	.7956	.0089
Stddev	.0010	.0067	.0046	.0006
%RSD	.4378	242.7	.5777	6.947
#1	.2290	.0074	.7989	.0085
#2	.2305	-.0020	.7924	.0094

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1431.7	53434.	19775.
Stddev	5.4	268.	81.
%RSD	.37660	.50091	.40712
#1	1427.9	53623.	19718.
#2	1435.5	53245.	19832.

Zoom In Zoom Out

Sample Name: MC27771-3 Acquired: 1/22/2014 12:53:51 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0009	91.64	.0471	.0054	.0213	.5859	.0052	65.39	.0013	.0948
Stddev	.0000	.02	.0001	.0011	.0000	.0010	.0000	.34	.0001	.0006
%RSD	3.073	.0169	.3004	20.78	.1126	.1671	.6783	.5154	6.648	.6057
#1	-.0009	91.63	.0470	.0062	.0213	.5865	.0052	65.15	.0013	.0944
#2	-.0009	91.65	.0472	.0046	.0213	.5852	.0053	65.63	.0014	.0952

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2160	.2139	165.1	11.18	39.41	3.480	.0029	1.530	.6591	.3825
Stddev	.0020	.0008	.7	.01	.10	.019	.0004	.001	.0015	.0008
%RSD	.9039	.3784	.4310	.1206	.2609	.5509	13.37	.0441	.2230	.2119
#1	.2174	.2144	164.6	11.19	39.34	3.494	.0031	1.531	.6580	.3819
#2	.2146	.2133	165.6	11.17	39.48	3.466	.0026	1.530	.6601	.3831

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0068	.0188	1.076	.0055	-.0016	5.241	.0213	.3050	4.096	.0012
Stddev	.0003	.0001	.001	.0006	.0004	.019	.0004	.0001	.019	.0009
%RSD	4.688	.7176	.0930	10.62	22.96	.3561	2.035	.0226	.4579	77.78
#1	-.0071	.0189	1.076	.0059	-.0013	5.228	.0210	.3049	4.109	.0018
#2	-.0066	.0187	1.077	.0051	-.0018	5.254	.0216	.3050	4.083	.0005

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2699	.0051	.6525	.0203
Stddev	.0010	.0015	.0008	.0003
%RSD	.3872	29.22	.1151	1.334
#1	.2706	.0040	.6531	.0205
#2	.2691	.0061	.6520	.0201

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1447.3	53990.	19938.
Stddev	3.3	352.	149.
%RSD	.23049	.65113	.74642
#1	1449.7	53741.	20044.
#2	1445.0	54238.	19833.

Zoom In Zoom Out

Sample Name: MC27771-4 Acquired: 1/22/2014 12:58:39 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0021	136.4	.0425	.0053	.0245	.3882	.0061	13.41	.0006	.1070
Stddev	.0005	.1	.0006	.0000	.0002	.0001	.0001	.14	.0002	.0005
%RSD	22.79	.1064	1.470	.4748	.7968	.0339	1.005	1.042	33.76	.4395
#1	-.0017	136.5	.0420	.0053	.0244	.3881	.0061	13.51	.0007	.1067
#2	-.0024	136.3	.0429	.0053	.0247	.3883	.0060	13.32	.0005	.1073

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2390	.1561	191.6	8.813	32.12	2.986	.0028	1.731	.4134	.1322
Stddev	.0010	.0008	1.2	.020	.20	.005	.0002	.002	.0008	.0013
%RSD	.4318	.4863	.6196	.2212	.6212	.1723	5.441	.0855	.1900	.9511
#1	.2397	.1567	192.5	8.827	32.26	2.989	.0027	1.732	.4128	.1313
#2	.2382	.1556	190.8	8.799	31.98	2.982	.0029	1.730	.4139	.1331

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0062	.0090	.4823	.0050	-.0001	5.900	.0043	.1202	5.262	-.0001
Stddev	.0008	.0017	.0044	.0006	.0012	.018	.0001	.0001	.009	.0006
%RSD	12.44	19.32	.9224	11.13	788.7	.3043	2.347	.1247	.1771	801.5
#1	-.0067	.0102	.4791	.0046	.0007	5.887	.0043	.1201	5.269	.0004
#2	-.0057	.0077	.4854	.0054	-.0010	5.913	.0044	.1203	5.256	-.0005

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.3443	.0057	.3605	.0371
Stddev	.0023	.0109	.0005	.0004
%RSD	.6754	189.6	.1362	1.035
#1	.3460	.0134	.3602	.0368
#2	.3427	-.0020	.3609	.0373

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1429.1	52957.	19554.
Stddev	1.1	123.	243.
%RSD	.07718	.23153	1.2404
#1	1429.9	52871.	19383.
#2	1428.3	53044.	19726.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/22/2014 13:03:28 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2544	9.730	1.894	.0009	1.928	1.971	1.897	9.863	1.932	1.892
Stddev	.0004	.004	.004	.0011	.003	.004	.003	.014	.001	.000
%RSD	.1734	.0464	.2155	123.3	.1644	.2305	.1619	.1366	.0643	.0150
#1	.2541	9.727	1.897	.0001	1.926	1.968	1.895	9.872	1.932	1.891
#2	.2547	9.733	1.891	.0017	1.930	1.974	1.899	9.853	1.933	1.892

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.863	2.032	9.705	9.954	9.422	1.947	1.896	9.676	1.836	1.883
Stddev	.000	.005	.001	.042	.076	.005	.005	.016	.001	.002
%RSD	.0096	.2576	.0121	.4181	.8110	.2469	.2410	.1603	.0273	.0849
#1	1.863	2.036	9.706	9.984	9.368	1.950	1.893	9.665	1.835	1.884
#2	1.863	2.028	9.705	9.925	9.476	1.943	1.899	9.687	1.836	1.882

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0001	.0125	-.0019	1.887	1.871	-.0096	1.982	2.011	1.978	1.919
Stddev	.0006	.0039	.0009	.001	.000	.0003	.002	.004	.008	.001
%RSD	554.9	31.34	47.00	.0605	.0060	3.126	.1176	.1788	.4035	.0634
#1	.0005	.0098	-.0013	1.888	1.871	-.0098	1.980	2.008	1.984	1.918
#2	-.0003	.0153	-.0026	1.886	1.871	-.0093	1.983	2.013	1.973	1.920

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	2.025	.0224	1.898	.0114
Stddev	.000	.0002	.001	.0030
%RSD	.0088	.9682	.0702	25.88
#1	2.025	.0222	1.897	.0135
#2	2.025	.0225	1.899	.0093

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1338.0	49897.	18230.
Stddev	.3	26.	27.
%RSD	.02083	.05236	.14830
#1	1337.8	49879.	18211.
#2	1338.2	49916.	18249.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/22/2014 13:08:13 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	.0012	-.0008	-.0001	.0025	.0005	.0003	-.0025	.0002	.0002
Stddev	.0007	.0016	.0001	.0023	.0002	.0000	.0000	.0002	.0000	.0001
%RSD	214.2	131.4	14.87	3812.	7.492	8.046	.5622	6.594	9.553	24.98
#1	-.0008	.0001	-.0007	.0015	.0027	.0005	.0003	-.0024	.0002	.0002
#2	.0002	.0023	-.0008	-.0017	.0024	.0005	.0003	-.0026	.0002	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0005	-.0011	.0048	.0197	-.0237	.0003	.0026	.0356	.0000	-.0008
Stddev	.0001	.0000	.0007	.0120	.0001	.0001	.0005	.0017	.0002	.0002
%RSD	12.95	.6946	15.73	60.97	.6158	39.32	20.42	4.849	1333.	31.00
#1	-.0005	-.0011	.0042	.0112	-.0238	.0004	.0029	.0344	-.0002	-.0006
#2	-.0004	-.0011	.0053	.0282	-.0236	.0002	.0022	.0368	.0002	-.0009

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0014	.0073	-.0030	.0008	.0012	.0005	-.0004	.0003	.0004	.0004
Stddev	.0003	.0017	.0004	.0003	.0002	.0000	.0002	.0000	.0003	.0007
%RSD	22.94	23.46	13.51	33.31	13.81	2.489	54.57	7.754	88.74	176.3
#1	-.0017	.0085	-.0027	.0006	.0011	.0005	-.0005	.0003	.0006	-.0001
#2	-.0012	.0061	-.0033	.0010	.0013	.0005	-.0002	.0003	.0001	.0009

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0007	-.0042	-.0004	.0008
Stddev	.0006	.0042	.0002	.0007
%RSD	80.61	101.1	56.26	97.53
#1	.0011	-.0012	-.0005	.0002
#2	.0003	-.0071	-.0002	.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1342.3	49642.	18147.
Stddev	.1	574.	43.
%RSD	.00882	1.1557	.23454
#1	1342.3	50048.	18177.
#2	1342.2	49237.	18117.

Zoom In Zoom Out

Sample Name: MC27771-5 Acquired: 1/22/2014 13:13:11 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	96.06	.0533	.0046	.0306	1.462	.0048	91.60	.0029	.0723
Stddev	.0001	.11	.0018	.0012	.0005	.000	.0000	.09	.0003	.0003
%RSD	14.99	.1116	3.301	26.58	1.759	.0018	.1870	.0964	9.666	.3855
#1	-.0005	96.13	.0520	.0054	.0309	1.462	.0048	91.67	.0027	.0725
#2	-.0006	95.98	.0545	.0037	.0302	1.462	.0048	91.54	.0031	.0721

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1768	.2730	155.0	9.031	34.50	2.906	.0043	1.522	.3869	1.352
Stddev	.0021	.0012	.2	.004	.04	.016	.0003	.006	.0003	.005
%RSD	1.213	.4533	.1273	.0444	.1106	.5538	6.660	.4062	.0681	.3533
#1	.1753	.2722	155.2	9.033	34.53	2.895	.0045	1.526	.3868	1.355
#2	.1783	.2739	154.9	9.028	34.47	2.917	.0041	1.517	.3871	1.349

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0073	.0150	3.277	.0055	.0010	5.382	.0455	.3846	3.580	.0022
Stddev	.0008	.0014	.002	.0006	.0003	.004	.0005	.0004	.017	.0005
%RSD	10.71	9.615	.0500	11.76	32.19	.0725	1.094	.1125	.4767	23.45
#1	-.0068	.0140	3.278	.0059	.0013	5.385	.0459	.3849	3.568	.0026
#2	-.0079	.0160	3.276	.0050	.0008	5.379	.0452	.3843	3.592	.0019

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2558	.0050	1.194	.0068
Stddev	.0007	.0024	.002	.0007
%RSD	.2838	48.59	.1638	10.92
#1	.2553	.0033	1.195	.0062
#2	.2563	.0067	1.192	.0073

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1427.1	53253.	19709.
Stddev	1.6	437.	48.
%RSD	.10940	.82078	.24436
#1	1426.0	53562.	19675.
#2	1428.2	52944.	19743.

Zoom In Zoom Out

Sample Name: MC27771-6 Acquired: 1/22/2014 13:18:00 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0004	85.17	.0503	.0031	.0256	1.019	.0047	95.33	.0022	.0680
Stddev	.0002	.88	.0002	.0019	.0001	.010	.0000	.97	.0000	.0001
%RSD	49.23	1.031	.4019	62.11	.3931	.9769	.7444	1.018	1.767	.2002
#1	-.0005	85.80	.0501	.0017	.0256	1.026	.0047	96.02	.0022	.0679
#2	-.0003	84.55	.0504	.0044	.0257	1.012	.0047	94.65	.0022	.0681

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1798	.2439	140.0	8.340	42.99	2.910	.0054	1.171	.4035	.8818
Stddev	.0010	.0001	1.4	.102	.36	.003	.0002	.007	.0011	.0018
%RSD	.5629	.0588	1.004	1.226	.8392	.0863	3.543	.5969	.2845	.2054
#1	.1805	.2440	140.9	8.412	43.24	2.912	.0055	1.176	.4027	.8805
#2	.1791	.2438	139.0	8.268	42.73	2.909	.0052	1.166	.4043	.8831

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0075	.0162	5.722	.0049	.0011	5.007	.0390	.5012	3.762	.0025
Stddev	.0003	.0059	.016	.0003	.0018	.019	.0000	.0054	.007	.0001
%RSD	3.985	36.37	.2789	6.736	156.3	.3840	.0895	1.070	.1782	4.175
#1	-.0073	.0203	5.711	.0051	.0024	4.993	.0390	.5050	3.757	.0025
#2	-.0078	.0120	5.734	.0046	-.0001	5.021	.0390	.4974	3.767	.0026

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2575	-.0047	.9244	.0109
Stddev	.0003	.0076	.0008	.0003
%RSD	.1303	163.8	.0891	2.399
#1	.2578	-.0100	.9238	.0108
#2	.2573	.0007	.9249	.0111

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1423.3	53145.	19635.
Stddev	1.3	99.	161.
%RSD	.09181	.18627	.81970
#1	1424.3	53075.	19521.
#2	1422.4	53215.	19748.

Zoom In Zoom Out

Sample Name: MC27771-7 Acquired: 1/22/2014 13:22:49 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0008	92.01	.0508	.0035	.0254	1.153	.0050	68.94	.0024	.0741
Stddev	.0004	.20	.0010	.0001	.0002	.004	.0000	.12	.0002	.0000
%RSD	46.94	.2172	2.023	2.857	.8861	.3347	.3925	.1792	7.990	.0325
#1	-.0005	91.87	.0501	.0034	.0256	1.150	.0050	69.02	.0025	.0741
#2	-.0010	92.15	.0516	.0036	.0253	1.156	.0050	68.85	.0023	.0741

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.3035	.2531	161.7	8.424	33.46	3.201	.0034	1.189	.4184	2.921
Stddev	.0001	.0011	.0	.041	.02	.008	.0000	.001	.0004	.005
%RSD	.0343	.4468	.0014	.4890	.0483	.2379	.3844	.0781	.0956	.1676
#1	.3036	.2539	161.7	8.395	33.47	3.196	.0034	1.189	.4181	2.918
#2	.3034	.2523	161.7	8.453	33.45	3.206	.0034	1.190	.4186	2.925

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0072	.0183	4.432	.0046	.0000	4.871	.2666	.2984	3.436	.0019
Stddev	.0009	.0020	.004	.0006	.0002	.013	.0008	.0007	.004	.0001
%RSD	12.41	11.19	.0789	13.44	12250.	.2603	.2882	.2387	.1027	6.824
#1	-.0066	.0168	4.430	.0050	-.0001	4.862	.2660	.2979	3.433	.0018
#2	-.0078	.0197	4.435	.0041	.0001	4.880	.2671	.2989	3.438	.0020

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2637	-.0061	1.001	.0082
Stddev	.0001	.0085	.001	.0003
%RSD	.0544	138.4	.1191	4.247
#1	.2639	-.0001	1.001	.0080
#2	.2636	-.0121	1.002	.0085

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1441.3	53559.	19860.
Stddev	3.1	285.	50.
%RSD	.21714	.53123	.25137
#1	1443.5	53761.	19824.
#2	1439.1	53358.	19895.

Zoom In Zoom Out

Sample Name: MC27771-8 Acquired: 1/22/2014 13:27:38 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	47.64	.0480	.0049	.0126	.4743	.0034	14.96	.0016	.0640
Stddev	.0002	.29	.0019	.0012	.0006	.0024	.0000	.10	.0002	.0002
%RSD	33.47	.6186	4.006	23.75	4.804	.5024	.7770	.6362	10.93	.2503
#1	-.0007	47.85	.0494	.0057	.0130	.4760	.0035	15.03	.0015	.0639
#2	-.0005	47.44	.0467	.0041	.0121	.4726	.0034	14.90	.0018	.0641

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1152	.1441	109.2	6.019	20.91	2.697	.0024	.7172	.4182	.4405
Stddev	.0001	.0011	.6	.016	.19	.002	.0001	.0001	.0003	.0006
%RSD	.0948	.7630	.5391	.2714	.8855	.0899	3.200	.0198	.0668	.1420
#1	.1151	.1434	109.6	6.031	21.04	2.695	.0025	.7173	.4180	.4401
#2	.1153	.1449	108.7	6.008	20.77	2.699	.0024	.7171	.4184	.4409

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0026	.0183	.8500	.0033	-.0010	4.383	.0138	.1135	2.289	.0002
Stddev	.0004	.0032	.0008	.0001	.0008	.014	.0002	.0005	.005	.0014
%RSD	17.44	17.30	.0980	3.063	86.34	.3172	1.112	.4488	.2382	647.6
#1	-.0029	.0205	.8506	.0033	-.0004	4.373	.0137	.1139	2.285	-.0008
#2	-.0022	.0160	.8494	.0034	-.0015	4.393	.0139	.1132	2.293	.0012

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.1754	-.0003	.5861	.0116
Stddev	.0002	.0045	.0000	.0003
%RSD	.1239	1795.	.0078	2.483
#1	.1752	-.0035	.5861	.0114
#2	.1756	.0030	.5861	.0118

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1433.3	53273.	19401.
Stddev	.2	97.	121.
%RSD	.01680	.18135	.62158
#1	1433.5	53204.	19316.
#2	1433.2	53341.	19487.

Zoom In Zoom Out

Sample Name: MC27771-9 Acquired: 1/22/2014 13:32:28 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0005	74.00	.0479	.0035	.0272	.5865	.0041	123.9	.0024	.0598
Stddev	.0004	.05	.0025	.0002	.0004	.0017	.0001	.5	.0001	.0001
%RSD	77.15	.0627	5.310	6.915	1.428	.2952	1.321	.4336	4.202	.1785
#1	-.0007	74.03	.0497	.0037	.0275	.5877	.0042	123.5	.0025	.0597
#2	-.0002	73.96	.0461	.0033	.0269	.5853	.0041	124.2	.0024	.0598

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1636	.2192	125.8	7.216	28.56	2.614	.0034	.9038	.3698	.5590
Stddev	.0009	.0016	.3	.023	.13	.008	.0001	.0028	.0006	.0010
%RSD	.5500	.7259	.2231	.3237	.4553	.2995	1.643	.3129	.1539	.1824
#1	.1630	.2204	125.6	7.233	28.46	2.619	.0033	.9018	.3702	.5597
#2	.1642	.2181	126.0	7.199	28.65	2.608	.0034	.9058	.3694	.5583

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0079	.0127	3.251	.0038	-.0002	4.582	.0175	.6592	2.971	.0020
Stddev	.0011	.0005	.001	.0005	.0002	.002	.0000	.0007	.001	.0003
%RSD	13.72	4.064	.0346	13.54	73.91	.0373	.0727	.1125	.0245	15.55
#1	-.0086	.0130	3.252	.0041	-.0003	4.581	.0175	.6597	2.972	.0022
#2	-.0071	.0123	3.250	.0034	-.0001	4.584	.0175	.6587	2.971	.0018

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2109	.0029	.8046	.0196
Stddev	.0013	.0065	.0002	.0000
%RSD	.6398	226.8	.0246	.2236
#1	.2119	.0075	.8044	.0196
#2	.2100	-.0017	.8047	.0197

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1412.1	52918.	19456.
Stddev	1.4	165.	168.
%RSD	.09836	.31267	.86103
#1	1411.1	52802.	19574.
#2	1413.0	53035.	19337.

Zoom In Zoom Out

Sample Name: MC27771-10 Acquired: 1/22/2014 13:37:17 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0011	60.70	.0354	.0033	.0181	.5546	.0039	49.35	.0016	.0606
Stddev	.0001	.31	.0023	.0005	.0006	.0040	.0000	.07	.0001	.0002
%RSD	9.588	.5161	6.577	13.98	3.476	.7218	.9439	.1492	6.309	.3471
#1	-.0010	60.47	.0337	.0037	.0185	.5518	.0039	49.30	.0017	.0607
#2	-.0012	60.92	.0370	.0030	.0176	.5575	.0040	49.40	.0016	.0604

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1557	.1755	135.7	7.147	24.34	2.675	.0023	.7307	.3480	.4441
Stddev	.0010	.0012	.3	.030	.07	.008	.0001	.0011	.0018	.0003
%RSD	.6591	.6809	.2410	.4222	.2779	.3043	2.967	.1497	.5179	.0670
#1	.1550	.1746	135.5	7.125	24.29	2.669	.0023	.7299	.3493	.4443
#2	.1565	.1763	135.9	7.168	24.39	2.680	.0022	.7315	.3467	.4439

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0052	.0156	1.433	.0041	.0009	3.804	.0133	.2008	2.901	.0006
Stddev	.0002	.0031	.002	.0007	.0024	.011	.0006	.0010	.007	.0000
%RSD	4.782	19.97	.1694	16.10	268.2	.3007	4.183	.5003	.2526	3.014
#1	-.0050	.0134	1.434	.0036	-.0008	3.812	.0137	.2001	2.896	.0006
#2	-.0054	.0178	1.431	.0046	.0026	3.795	.0129	.2015	2.906	.0006

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2098	.0115	.5657	.0160
Stddev	.0007	.0030	.0024	.0003
%RSD	.3196	25.74	.4204	1.839
#1	.2093	.0135	.5673	.0158
#2	.2103	.0094	.5640	.0162

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1422.0	53425.	19448.
Stddev	4.0	126.	14.
%RSD	.28278	.23669	.07130
#1	1419.2	53514.	19438.
#2	1424.9	53335.	19458.

Zoom In Zoom Out

Sample Name: MC27771-11 Acquired: 1/22/2014 13:42:07 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0008	79.16	.0450	.0031	.0202	.7185	.0043	49.90	.0019	.0687
Stddev	.0002	.24	.0011	.0009	.0001	.0016	.0000	.19	.0000	.0002
%RSD	26.19	.3022	2.393	30.58	.4968	.2159	.6312	.3856	2.065	.2215
#1	-.0007	79.33	.0442	.0024	.0201	.7196	.0043	50.04	.0019	.0688
#2	-.0010	78.99	.0457	.0037	.0203	.7174	.0043	49.77	.0019	.0686

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1489	.2120	131.2	7.477	29.53	2.755	.0030	1.105	.3475	.6279
Stddev	.0007	.0007	.5	.001	.06	.003	.0000	.001	.0008	.0005
%RSD	.4396	.3359	.3708	.0114	.1891	.1177	1.103	.0749	.2216	.0734
#1	.1494	.2115	131.5	7.476	29.57	2.752	.0030	1.105	.3481	.6275
#2	.1484	.2125	130.8	7.477	29.49	2.757	.0030	1.104	.3470	.6282

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0043	.0107	2.229	.0040	.0023	4.866	.0201	.2401	3.323	.0008
Stddev	.0011	.0013	.004	.0007	.0007	.003	.0004	.0002	.001	.0006
%RSD	25.58	12.21	.1895	16.80	29.39	.0549	1.750	.0722	.0276	69.01
#1	-.0035	.0098	2.232	.0035	.0028	4.864	.0198	.2402	3.322	.0012
#2	-.0051	.0116	2.226	.0044	.0018	4.868	.0203	.2400	3.323	.0004

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2332	.0031	.7731	.0136
Stddev	.0003	.0010	.0027	.0000
%RSD	.1454	32.09	.3494	.2469
#1	.2330	.0024	.7750	.0137
#2	.2334	.0038	.7712	.0136

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1434.3	53695.	19677.
Stddev	1.8	37.	54.
%RSD	.12712	.06869	.27194
#1	1433.0	53721.	19639.
#2	1435.6	53669.	19715.

Zoom In Zoom Out

Sample Name: MC27771-12 Acquired: 1/22/2014 13:46:55 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0007	89.61	.0468	.0044	.0191	.8514	.0046	50.37	.0018	.0761
Stddev	.0003	.17	.0015	.0004	.0005	.0003	.0001	.02	.0001	.0003
%RSD	46.49	.1939	3.274	10.12	2.625	.0295	1.668	.0327	3.562	.3460
#1	-.0005	89.73	.0457	.0047	.0187	.8516	.0046	50.38	.0018	.0762
#2	-.0009	89.49	.0479	.0041	.0195	.8512	.0047	50.36	.0019	.0759

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1564	.1922	138.6	8.698	29.81	3.292	.0031	1.112	.3789	.9227
Stddev	.0006	.0013	.1	.018	.07	.016	.0000	.004	.0003	.0004
%RSD	.3722	.6931	.0809	.2034	.2485	.4947	.9297	.3222	.0801	.0433
#1	.1560	.1912	138.7	8.685	29.86	3.281	.0031	1.114	.3791	.9230
#2	.1568	.1931	138.6	8.710	29.76	3.304	.0031	1.109	.3786	.9225

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0056	.0199	3.699	.0043	-.0001	5.669	.0170	.2306	3.354	.0020
Stddev	.0008	.0024	.004	.0005	.0004	.002	.0001	.0002	.011	.0012
%RSD	14.28	12.07	.1050	10.90	329.2	.0375	.7682	.1064	.3328	58.37
#1	-.0050	.0182	3.701	.0046	.0002	5.668	.0171	.2308	3.346	.0029
#2	-.0062	.0216	3.696	.0040	-.0004	5.671	.0169	.2304	3.362	.0012

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2340	.0041	.6948	.0116
Stddev	.0021	.0010	.0014	.0002
%RSD	.9092	24.79	.1966	1.410
#1	.2325	.0049	.6958	.0115
#2	.2355	.0034	.6939	.0117

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1441.5	54039.	19885.
Stddev	1.9	316.	37.
%RSD	.13188	.58487	.18816
#1	1442.8	54263.	19858.
#2	1440.2	53816.	19911.

Zoom In Zoom Out

Sample Name: MC27771-13 Acquired: 1/22/2014 13:51:45 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0008	82.39	.0483	.0043	.0344	.9150	.0042	179.1	.0018	.0621
Stddev	.0000	.18	.0007	.0012	.0004	.0012	.0000	.5	.0000	.0003
%RSD	.6192	.2196	1.416	27.49	1.144	.1316	.7218	.2598	.5240	.4253
#1	-.0008	82.52	.0487	.0052	.0341	.9159	.0041	178.8	.0018	.0619
#2	-.0008	82.27	.0478	.0035	.0347	.9142	.0042	179.5	.0018	.0623

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1582	.1907	123.3	9.792	36.93	2.619	.0055	1.601	.3661	.6739
Stddev	.0019	.0017	.0	.034	.10	.023	.0001	.001	.0002	.0006
%RSD	1.208	.9160	.0328	.3464	.2604	.8740	2.610	.0518	.0611	.0853
#1	.1595	.1919	123.3	9.768	36.86	2.635	.0056	1.601	.3660	.6743
#2	.1568	.1895	123.4	9.816	37.00	2.602	.0054	1.602	.3663	.6734

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0108	.0126	5.195	.0034	.0020	7.662	.0190	.4884	3.545	.0006
Stddev	.0012	.0012	.012	.0005	.0008	.013	.0006	.0002	.028	.0011
%RSD	10.79	9.906	.2363	14.35	40.58	.1683	3.084	.0385	.8024	187.0
#1	-.0116	.0135	5.204	.0038	.0025	7.671	.0194	.4883	3.566	.0014
#2	-.0100	.0117	5.186	.0031	.0014	7.653	.0186	.4886	3.525	-.0002

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2526	-.0002	.7992	.0142
Stddev	.0011	.0055	.0007	.0003
%RSD	.4427	2461.	.0858	1.864
#1	.2534	-.0041	.7997	.0143
#2	.2518	.0036	.7987	.0140

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1399.6	52915.	19518.
Stddev	1.5	378.	96.
%RSD	.10572	.71522	.48966
#1	1398.5	52647.	19586.
#2	1400.6	53183.	19451.

Zoom In Zoom Out

Sample Name: MC27771-14 Acquired: 1/22/2014 13:56:34 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0005	66.22	.0407	.0034	.0228	.5758	.0041	90.35	.0020
Stddev	.0001	.03	.0006	.0020	.0003	.0027	.0000	.41	.0001
%RSD	11.07	.0483	1.577	59.74	1.286	.4604	.4447	.4505	4.841
#1	-.0005	66.20	.0412	.0049	.0226	.5777	.0041	90.06	.0021
#2	-.0005	66.24	.0402	.0020	.0230	.5740	.0041	90.64	.0019

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0596	.1705	.1947	121.0	7.742	33.28	2.704	.0093	1.103
Stddev	.0001	.0001	.0014	.4	.042	.09	.008	.0002	.003
%RSD	.2104	.0833	.7007	.3054	.5469	.2853	.3080	2.496	.2996
#1	.0597	.1706	.1957	120.7	7.772	33.22	2.710	.0095	1.105
#2	.0595	.1704	.1937	121.2	7.712	33.35	2.699	.0092	1.101

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.3913	F15.70	-.0064	.0189	3.062	.0267	.0002	5.410	.2889
Stddev	.0001	.03	.0018	.0017	.012	.0010	.0014	.007	.0003
%RSD	.0140	.2028	28.75	8.802	.3754	3.663	657.6	.1344	.1013
#1	.3913	15.72	-.0077	.0177	3.071	.0274	-.0008	5.415	.2891
#2	.3913	15.68	-.0051	.0200	3.054	.0260	.0012	5.405	.2887

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.3067	3.297	.0006	.2212	-.0062	.6347	.0173
Stddev	.0006	.010	.0011	.0016	.0011	.0009	.0004
%RSD	.2071	.2902	185.0	.7050	18.11	.1373	2.325
#1	.3071	3.304	-.0002	.2223	-.0070	.6353	.0176
#2	.3062	3.290	.0013	.2201	-.0054	.6341	.0170

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1418.6	53361.	19566.
Stddev	1.9	194.	176.
%RSD	.13578	.36427	.90068
#1	1417.2	53224.	19690.
#2	1419.9	53499.	19441.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/22/2014 14:01:22 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2561	9.741	1.887	.0004	1.918	1.970	1.898	9.874	1.930	1.887
Stddev	.0013	.015	.006	.0007	.002	.001	.002	.039	.000	.000
%RSD	.5025	.1486	.3148	155.2	.0936	.0466	.1272	.3961	.0167	.0209
#1	.2571	9.731	1.891	.0000	1.917	1.971	1.896	9.846	1.930	1.886
#2	.2552	9.751	1.883	.0009	1.919	1.969	1.899	9.901	1.930	1.887

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.886	2.028	9.640	9.958	9.510	1.957	1.893	9.657	1.833	1.882
Stddev	.002	.010	.028	.011	.032	.003	.003	.004	.000	.001
%RSD	.0876	.4711	.2856	.1149	.3365	.1453	.1785	.0372	.0039	.0598
#1	1.887	2.034	9.621	9.950	9.487	1.955	1.891	9.655	1.833	1.883
#2	1.885	2.021	9.660	9.966	9.532	1.959	1.896	9.660	1.833	1.881

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0004	.0143	-.0020	1.884	1.867	.0057	1.972	2.005	1.984	1.910
Stddev	.0007	.0026	.0005	.001	.004	.0003	.001	.034	.002	.000
%RSD	180.4	17.84	25.73	.0331	.2171	5.277	.0336	1.685	.0964	.0011
#1	.0001	.0125	-.0016	1.885	1.870	.0059	1.972	1.981	1.985	1.910
#2	-.0009	.0161	-.0023	1.884	1.864	.0055	1.971	2.029	1.982	1.910

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	2.027	.0180	1.890	.0080
Stddev	.004	.0017	.001	.0019
%RSD	.1834	9.507	.0310	23.62
#1	2.030	.0192	1.890	.0093
#2	2.025	.0167	1.889	.0067

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1340.3	49549.	18218.
Stddev	1.0	139.	86.
%RSD	.07228	.28001	.47006
#1	1339.6	49648.	18278.
#2	1341.0	49451.	18157.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/22/2014 14:06:12 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0003	-.0011	-.0004	.0012	.0023	.0006	.0002	.0043	F.0004
Stddev	.0001	.0004	.0003	.0001	.0002	.0001	.0001	.0006	.0001
%RSD	21.09	31.35	63.96	9.014	9.601	23.82	50.42	12.93	16.90
#1	-.0002	-.0014	-.0006	.0012	.0024	.0007	.0002	.0047	.0004
#2	-.0003	-.0009	-.0002	.0013	.0021	.0005	.0001	.0039	.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0003	.0000	-.0012	.0103	.0413	-.0171	.0004	.0028	-.0085
Stddev	.0001	.000	.0009	.0027	.0120	.0081	.0002	.0006	.0022
%RSD	27.18	455.9	77.62	26.26	29.11	46.99	55.68	20.65	26.43
#1	.0002	-.0002	-.0005	.0122	.0497	-.0228	.0002	.0032	-.0069
#2	.0003	.0001	-.0019	.0084	.0328	-.0114	.0005	.0024	-.0101

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0003	.0004	-.0005	.0037	-.0010	.0013	.0026	.0071	.0005
Stddev	.0002	.0005	.0004	.0029	.0013	.0001	.0002	.0001	.0005
%RSD	65.89	135.7	78.67	78.56	120.7	3.968	8.611	1.126	94.30
#1	.0001	.0000	-.0008	.0016	-.0002	.0013	.0027	.0070	.0009
#2	.0004	.0008	-.0002	.0057	-.0019	.0013	.0024	.0072	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0002	.0005	F.0020	.0007	-.0051	.0000	.0026
Stddev	.0000	.0001	.0004	.0003	.0075	.0001	.0036
%RSD	14.82	20.39	19.43	42.27	146.6	267.3	140.1
#1	.0002	.0006	.0023	.0010	-.0104	.0000	.0051
#2	.0002	.0004	.0017	.0005	.0002	.0001	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1344.4	49933.	18109.
Stddev	.5	437.	84.
%RSD	.03883	.87501	.46429
#1	1344.0	49624.	18168.
#2	1344.8	50242.	18049.

Zoom In Zoom Out

Sample Name: MC27771-15 Acquired: 1/22/2014 14:11:10 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0010	82.91	.0484	.0042	.0251	.8886	.0051	53.95	.0021	.0984
Stddev	.0006	.07	.0016	.0007	.0001	.0008	.0000	.04	.0001	.0002
%RSD	59.98	.0833	3.217	16.98	.2475	.0940	.1414	.0780	3.054	.2533
#1	-.0006	82.96	.0473	.0047	.0251	.8892	.0050	53.98	.0021	.0986
#2	-.0014	82.87	.0495	.0037	.0250	.8880	.0051	53.92	.0020	.0982

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2028	.2344	158.3	10.33	45.24	3.621	.0035	.9457	.8520	.6507
Stddev	.0007	.0010	.1	.00	.06	.020	.0001	.0018	.0024	.0009
%RSD	.3607	.4130	.0359	.0181	.1302	.5558	4.051	.1865	.2843	.1317
#1	.2033	.2351	158.3	10.33	45.28	3.636	.0037	.9470	.8538	.6513
#2	.2023	.2338	158.2	10.33	45.20	3.607	.0034	.9445	.8503	.6500

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0074	.0186	3.033	.0048	.0005	5.750	.0327	.2582	3.665	.0011
Stddev	.0006	.0036	.001	.0002	.0003	.010	.0001	.0001	.020	.0004
%RSD	7.872	19.29	.0450	4.014	63.78	.1815	.3912	.0463	.5451	32.81
#1	-.0070	.0211	3.032	.0047	.0007	5.757	.0328	.2583	3.679	.0009
#2	-.0078	.0161	3.034	.0050	.0003	5.743	.0326	.2582	3.651	.0014

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2503	-.0015	.7977	.0067
Stddev	.0029	.0080	.0036	.0002
%RSD	1.178	515.0	.4524	2.257
#1	.2524	.0041	.8003	.0068
#2	.2482	-.0072	.7952	.0066

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1451.4	54493.	19933.
Stddev	3.3	125.	11.
%RSD	.22793	.22859	.05443
#1	1449.0	54405.	19941.
#2	1453.7	54581.	19925.

Zoom In Zoom Out

Sample Name: MC27771-16 Acquired: 1/22/2014 14:15:59 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	86.40	.0498	.0058	.0275	.9683	.0050	82.74	.0021	.1037
Stddev	.0002	.19	.0023	.0016	.0002	.0006	.0000	.12	.0001	.0002
%RSD	31.58	.2255	4.643	27.24	.5921	.0617	.7377	.1489	6.132	.2245
#1	-.0007	86.54	.0482	.0069	.0274	.9679	.0050	82.83	.0020	.1035
#2	-.0005	86.26	.0515	.0047	.0276	.9688	.0050	82.66	.0022	.1039

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1909	.2532	160.5	10.84	56.67	6.429	.0037	1.471	.9761	.6685
Stddev	.0008	.0006	.4	.00	.10	.022	.0002	.011	.0010	.0002
%RSD	.4297	.2318	.2688	.0113	.1725	.3498	5.017	.7509	.1033	.0327
#1	.1915	.2536	160.8	10.84	56.74	6.445	.0036	1.463	.9754	.6687
#2	.1903	.2528	160.2	10.84	56.60	6.413	.0039	1.479	.9768	.6684

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0089	.0394	3.518	.0051	.0003	5.746	.0283	.4432	3.696	.0014
Stddev	.0008	.0029	.005	.0001	.0020	.009	.0002	.0007	.002	.0003
%RSD	8.908	7.295	.1507	1.457	575.8	.1648	.8260	.1630	.0607	23.21
#1	-.0095	.0414	3.514	.0051	.0018	5.739	.0281	.4437	3.698	.0012
#2	-.0083	.0373	3.521	.0052	-.0011	5.753	.0285	.4427	3.695	.0017

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2565	-.0017	.8197	.0103
Stddev	.0017	.0066	.0015	.0005
%RSD	.6809	379.4	.1877	4.920
#1	.2578	.0029	.8186	.0100
#2	.2553	-.0064	.8208	.0107

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1440.9	53834.	19870.
Stddev	1.4	77.	53.
%RSD	.09811	.14357	.26899
#1	1441.9	53779.	19832.
#2	1439.9	53888.	19907.

Zoom In Zoom Out

Sample Name: MC27771-17 Acquired: 1/22/2014 14:20:55 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0006	96.48	.0490	.0036	.0262	1.002	.0050	67.41	.0019	.0944
Stddev	.0001	.31	.0007	.0009	.0001	.004	.0000	.40	.0002	.0003
%RSD	19.04	.3193	1.440	24.37	.3580	.3520	.6412	.5882	8.088	.3198
#1	-.0007	96.27	.0485	.0042	.0263	.9996	.0050	67.13	.0018	.0946
#2	-.0006	96.70	.0495	.0030	.0262	1.005	.0050	67.69	.0020	.0942

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.2059	.2369	162.0	11.73	54.73	3.444	.0066	1.494	.9183	.7480
Stddev	.0003	.0022	.5	.08	.21	.010	.0001	.002	.0014	.0022
%RSD	.1437	.9153	.3068	.7020	.3799	.2863	1.069	.1485	.1575	.2969
#1	.2061	.2353	161.7	11.67	54.58	3.437	.0065	1.492	.9193	.7496
#2	.2057	.2384	162.4	11.79	54.87	3.451	.0066	1.495	.9172	.7465

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0074	.0159	5.515	.0048	.0018	5.702	.0234	.3003	3.772	.0013
Stddev	.0008	.0010	.014	.0002	.0003	.017	.0005	.0010	.014	.0000
%RSD	10.24	6.511	.2492	3.957	15.71	.2886	2.202	.3243	.3567	.7965
#1	-.0080	.0152	5.524	.0047	.0020	5.714	.0238	.2996	3.763	.0013
#2	-.0069	.0167	5.505	.0049	.0016	5.690	.0230	.3010	3.782	.0013

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2487	-.0035	.8705	.0132
Stddev	.0022	.0015	.0024	.0005
%RSD	.9028	42.50	.2733	3.985
#1	.2472	-.0025	.8721	.0128
#2	.2503	-.0046	.8688	.0136

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1422.5	54313.	19608.
Stddev	2.9	147.	44.
%RSD	.20527	.27037	.22428
#1	1420.5	54417.	19639.
#2	1424.6	54210.	19577.

Zoom In Zoom Out

Sample Name: MC27771-18 Acquired: 1/22/2014 14:25:46 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0009	86.59	.0454	.0047	.0253	.9137	.0050	51.43	.0022	.0976
Stddev	.0001	.12	.0006	.0031	.0004	.0018	.0000	.06	.0000	.0000
%RSD	7.814	.1410	1.331	65.41	1.397	.2012	.7331	.1192	1.899	.0016
#1	-.0010	86.51	.0458	.0025	.0250	.9124	.0050	51.47	.0022	.0976
#2	-.0009	86.68	.0449	.0069	.0255	.9150	.0050	51.39	.0022	.0977

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1964	.2412	165.3	10.64	53.61	3.348	.0030	1.049	.8901	.9532
Stddev	.0011	.0008	.0	.00	.12	.004	.0001	.005	.0007	.0007
%RSD	.5664	.3277	.0172	.0119	.2156	.1245	2.605	.4348	.0812	.0767
#1	.1972	.2407	165.3	10.65	53.69	3.351	.0030	1.046	.8906	.9527
#2	.1956	.2418	165.3	10.64	53.53	3.345	.0031	1.052	.8896	.9537

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0072	.0202	5.222	.0056	.0000	5.561	.0692	.2540	3.733	.0034
Stddev	.0000	.0031	.003	.0003	.0024	.009	.0004	.0004	.001	.0002
%RSD	.3169	15.16	.0567	5.527	268100.	.1644	.5668	.1427	.0178	6.711
#1	-.0072	.0224	5.220	.0054	-.0017	5.554	.0695	.2538	3.732	.0035
#2	-.0072	.0181	5.224	.0058	.0017	5.567	.0690	.2543	3.733	.0032

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2444	-.0027	.8589	.0108
Stddev	.0006	.0000	.0011	.0000
%RSD	.2348	.9443	.1332	.3149
#1	.2440	-.0027	.8597	.0108
#2	.2448	-.0027	.8581	.0108

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1435.1	53869.	19643.
Stddev	.4	120.	9.
%RSD	.03062	.22287	.04633
#1	1435.4	53784.	19649.
#2	1434.8	53954.	19636.

Zoom In Zoom Out

Sample Name: MP22402-PS1 Acquired: 1/22/2014 14:30:35 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	85.99	.0473	.0040	.0239	3.319	.0044	174.8	.0021	.0671
Stddev	.0001	.08	.0012	.0009	.0004	.005	.0000	.3	.0001	.0001
%RSD	29.69	.0969	2.537	22.61	1.864	.1643	.7642	.1879	4.886	.2068
#1	-.0002	85.93	.0481	.0033	.0242	3.315	.0044	174.5	.0021	.0672
#2	-.0002	86.05	.0464	.0046	.0236	3.323	.0045	175.0	.0022	.0670

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1732	.2293	142.1	8.423	28.98	2.725	.0040	.9089	.3319	1.026
Stddev	.0002	.0001	.0	.015	.05	.004	.0002	.0026	.0005	.001
%RSD	.1099	.0393	.0027	.1759	.1677	.1508	4.809	.2828	.1484	.1003
#1	.1733	.2293	142.1	8.434	29.01	2.722	.0039	.9070	.3323	1.026
#2	.1731	.2292	142.1	8.413	28.95	2.728	.0042	.9107	.3316	1.025

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0121	.0132	3.621	.0240	.0023	6.302	.0503	.2539	3.253	.0022
Stddev	.0001	.0031	.014	.0004	.0007	.002	.0003	.0002	.005	.0004
%RSD	1.038	23.53	.3830	1.844	29.97	.0260	.5320	.0910	.1519	17.50
#1	-.0120	.0154	3.631	.0243	.0028	6.304	.0505	.2541	3.249	.0025
#2	-.0122	.0110	3.612	.0237	.0018	6.301	.0501	.2538	3.256	.0019

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2527	-.0006	1.059	.0088
Stddev	.0003	.0023	.001	.0003
%RSD	.1118	355.8	.0830	3.896
#1	.2529	-.0023	1.060	.0090
#2	.2525	.0010	1.059	.0085

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1413.6	53282.	19528.
Stddev	1.3	151.	7.
%RSD	.09436	.28318	.03783
#1	1414.6	53388.	19533.
#2	1412.7	53175.	19523.

Zoom In Zoom Out

Sample Name: MC27771-14 Acquired: 1/22/2014 14:35:25 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5X

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	70.97	.0422	.0114	.0272	.6234	.0043	98.31	.0018	.0643
Stddev	.0001	.02	.0068	.0006	.0005	.0000	.0000	.30	.0005	.0001
%RSD	216.4	.0310	16.10	5.124	1.725	.0045	.4277	.3074	26.51	.1178
#1	.0001	70.96	.0470	.0110	.0276	.6234	.0043	98.10	.0015	.0644
#2	.0000	70.99	.0374	.0118	.0269	.6234	.0043	98.52	.0022	.0643

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1871	.1970	135.2	8.347	35.46	2.960	.0093	1.126	.4292	16.74
Stddev	.0012	.0024	.1	.042	.19	.001	.0005	.030	.0012	.01
%RSD	.6477	1.210	.0497	.5014	.5280	.0185	5.892	2.678	.2796	.0607
#1	.1879	.1953	135.2	8.317	35.33	2.961	.0089	1.148	.4301	16.74
#2	.1862	.1987	135.3	8.376	35.59	2.960	.0097	1.105	.4284	16.73

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0104	.0086	3.243	.0291	.0138	6.861	.3095	.3330	3.584	.0006
Stddev	.0035	.0096	.019	.0041	.0088	.021	.0001	.0010	.010	.0016
%RSD	33.76	111.2	.5775	14.05	63.19	.3088	.0375	.3122	.2899	279.0
#1	-.0079	.0018	3.256	.0320	.0200	6.846	.3094	.3322	3.577	-.0006
#2	-.0129	.0154	3.230	.0262	.0077	6.875	.3096	.3337	3.591	.0017

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2381	.0018	.7061	.0117
Stddev	.0041	.0178	.0005	.0008
%RSD	1.701	963.0	.0677	6.965
#1	.2352	.0144	.7064	.0123
#2	.2410	-.0107	.7057	.0111

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1372.8	51194.	18531.
Stddev	1.3	17.	50.
%RSD	.09250	.03297	.26933
#1	1371.9	51182.	18566.
#2	1373.7	51206.	18495.

Zoom In Zoom Out

Sample Name: MC27703-2A Acquired: 1/22/2014 14:40:20 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0015	86.22	.0207	.0039	.0299	.3630	.0043	16.76	.0018	.0476
Stddev	.0004	.04	.0006	.0002	.0000	.0002	.0000	.00	.0000	.0001
%RSD	29.27	.0405	2.719	4.191	.0474	.0620	.7465	.0097	2.476	.1893
#1	-.0018	86.24	.0203	.0038	.0299	.3628	.0043	16.76	.0018	.0476
#2	-.0012	86.19	.0211	.0040	.0300	.3631	.0043	16.76	.0017	.0475

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0937	.2302	125.9	10.09	28.05	2.167	.0018	2.179	.0848	.2802
Stddev	.0005	.0008	.1	.00	.03	.004	.0001	.026	.0005	.0003
%RSD	.5038	.3449	.1190	.0142	.1095	.1598	7.144	1.184	.5589	.0953
#1	.0940	.2297	126.0	10.09	28.03	2.169	.0017	2.197	.0852	.2800
#2	.0934	.2308	125.8	10.09	28.08	2.164	.0019	2.161	.0845	.2804

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0038	.0152	3.978	.0040	.0001	16.01	.0033	.0738	6.266	.0037
Stddev	.0011	.0022	.000	.0007	.0009	.19	.0007	.0001	.021	.0009
%RSD	28.27	14.55	.0109	17.20	910.6	1.188	20.15	.1965	.3369	24.04
#1	-.0030	.0168	3.979	.0044	.0007	16.15	.0038	.0739	6.281	.0031
#2	-.0045	.0137	3.978	.0035	-.0005	15.88	.0029	.0737	6.251	.0043

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.3546	-.0031	.4592	-.0040
Stddev	.0020	.0013	.0001	.0021
%RSD	.5737	41.89	.0190	53.12
#1	.3560	-.0022	.4592	-.0055
#2	.3531	-.0040	.4593	-.0025

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1453.7	54564.	19901.
Stddev	.7	73.	24.
%RSD	.04526	.13365	.11855
#1	1454.2	54512.	19884.
#2	1453.3	54615.	19917.

Zoom In Zoom Out

Sample Name: MP22402-MB1 Acquired: 1/22/2014 14:45:10 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	.0333	-.0015	.0008	.0005	.0007	.0000	.0189	.0001	.0000
Stddev	.0000	.0146	.0002	.0006	.0000	.0001	.0000	.0030	.0002	.000
%RSD	26.02	43.85	14.11	80.20	7.639	11.89	59.72	16.08	168.7	390.1
#1	-.0001	.0436	-.0014	.0003	.0006	.0007	.0000	.0210	.0000	.0000
#2	-.0001	.0230	-.0017	.0012	.0005	.0006	.0000	.0167	.0002	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0007	-.0003	.0658	.0527	-.0005	.0006	.0000	.0050	-.0001	-.0014
Stddev	.0003	.0000	.0313	.0101	.0099	.0000	.000	.0027	.0001	.0001
%RSD	38.57	4.895	47.65	19.09	1926.	6.822	202.0	54.98	252.3	10.89
#1	.0009	-.0003	.0880	.0599	.0065	.0006	.0000	.0069	.0000	-.0013
#2	.0005	-.0002	.0436	.0456	-.0075	.0006	-.0001	.0030	-.0002	-.0015

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0013	.0018	.0107	.0010	.0012	.0226	.0131	.0001	.0016	-.0017
Stddev	.0003	.0000	.0003	.0003	.0006	.0043	.0005	.0000	.0004	.0003
%RSD	23.17	2.571	3.028	28.85	45.97	19.12	3.544	27.57	27.28	17.78
#1	-.0011	.0018	.0109	.0008	.0016	.0257	.0128	.0000	.0019	-.0019
#2	-.0015	.0018	.0104	.0013	.0008	.0195	.0134	.0001	.0013	-.0015

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0003	.0033	.0031	.0006
Stddev	.0004	.0057	.0000	.0002
%RSD	155.0	172.6	.5244	30.23
#1	.0006	.0074	.0031	.0005
#2	.0000	-.0007	.0031	.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1315.1	49843.	18003.
Stddev	10.6	65.	136.
%RSD	.80887	.12976	.75818
#1	1307.6	49889.	18099.
#2	1322.7	49798.	17906.

Zoom In Zoom Out

Sample Name: MP22409-B1 Acquired: 1/22/2014 14:50:08 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2089	2.138	.5277	.0014	1.027	2.081	.5025	24.98	.5164	.4957
Stddev	.0004	.011	.0009	.0006	.003	.000	.0011	.11	.0008	.0006
%RSD	.1809	.5344	.1714	42.25	.2490	.0128	.2209	.4545	.1553	.1186
#1	.2086	2.130	.5271	.0019	1.029	2.080	.5018	24.90	.5169	.4961
#2	.2092	2.146	.5284	.0010	1.025	2.081	.5033	25.06	.5158	.4953

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4892	.5151	2.023	26.13	25.69	.5033	.9788	25.74	.4754	.9851
Stddev	.0005	.0015	.005	.01	.06	.0008	.0017	.01	.0010	.0026
%RSD	.1025	.2872	.2265	.0416	.2352	.1498	.1697	.0373	.2077	.2683
#1	.4896	.5141	2.020	26.14	25.65	.5039	.9800	25.74	.4761	.9869
#2	.4889	.5162	2.026	26.12	25.74	.5028	.9776	25.75	.4747	.9832

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0024	.0024	2.285	.4865	.4928	1.049	1.060	.5126	.5093	.4956
Stddev	.0006	.0058	.006	.0011	.0016	.002	.003	.0004	.0014	.0029
%RSD	22.86	244.4	.2575	.2305	.3261	.2283	.3207	.0797	.2765	.5824
#1	-.0028	.0065	2.289	.4857	.4939	1.051	1.062	.5124	.5083	.4976
#2	-.0020	-.0017	2.281	.4873	.4917	1.048	1.058	.5129	.5103	.4936

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5396	.0045	.5157	-.0006
Stddev	.0023	.0064	.0005	.0002
%RSD	.4256	144.2	.0875	28.52
#1	.5380	.0090	.5160	-.0004
#2	.5413	-.0001	.5154	-.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1314.1	49612.	18076.
Stddev	3.4	51.	129.
%RSD	.26012	.10349	.71349
#1	1311.7	49576.	18167.
#2	1316.6	49648.	17984.

Zoom In Zoom Out

Sample Name: MP22409-MB1 Acquired: 1/22/2014 14:54:52 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0001	.0020	.0002	.0012	.0016	.0010	.0001	.0184	.0001	.0000
Stddev	.0001	.0003	.0011	.0004	.0003	.0000	.0000	.0004	.0001	.000
%RSD	104.2	13.92	688.6	32.71	17.02	.7030	38.52	2.253	101.0	425.4
#1	-.0001	.0018	.0009	.0009	.0014	.0010	.0001	.0181	.0001	.0000
#2	.0000	.0022	-.0006	.0014	.0018	.0010	.0001	.0187	.0000	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	-.0006	.0102	.0631	-.0166	.0003	.0010	.0057	-.0001	.0003
Stddev	.0001	.0002	.0011	.0254	.0051	.0000	.0002	.0022	.0004	.0008
%RSD	78.96	32.22	11.02	40.25	30.46	1.082	22.62	39.21	739.2	294.1
#1	-.0002	-.0007	.0110	.0451	-.0130	.0003	.0012	.0073	-.0004	-.0003
#2	.0000	-.0005	.0094	.0810	-.0202	.0003	.0008	.0041	.0002	.0008

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0005	.0032	.0059	.0051	.0012	.0146	.0148	.0001	.0004	-.0009
Stddev	.0007	.0023	.0008	.0009	.0020	.0021	.0004	.0000	.0001	.0003
%RSD	134.7	70.78	13.24	17.38	164.6	14.09	2.604	25.97	28.48	30.39
#1	.0000	.0048	.0065	.0057	.0026	.0131	.0151	.0002	.0003	-.0011
#2	-.0010	.0016	.0054	.0045	-.0002	.0160	.0145	.0001	.0005	-.0007

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0005	-.0032	.0021	.0003
Stddev	.0000	.0016	.0001	.0004
%RSD	3.722	50.62	2.617	136.5
#1	.0005	-.0043	.0021	.0000
#2	.0006	-.0021	.0021	.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1337.3	49984.	18196.
Stddev	4.8	236.	167.
%RSD	.35532	.47222	.91795
#1	1334.0	50151.	18315.
#2	1340.7	49818.	18078.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/22/2014 14:59:51 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2521	9.514	1.874	.0005	1.900	1.926	1.862	9.666	1.912	1.868
Stddev	.0033	.229	.007	.0000	.008	.042	.040	.220	.004	.006
%RSD	1.317	2.406	.3636	10.90	.4161	2.155	2.119	2.275	.2373	.3363
#1	.2544	9.352	1.870	.0005	1.895	1.896	1.834	9.510	1.909	1.864
#2	.2497	9.676	1.879	.0004	1.906	1.955	1.890	9.821	1.915	1.873

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.873	2.001	9.439	9.770	9.274	1.935	1.875	9.473	1.825	1.866
Stddev	.020	.011	.227	.231	.217	.018	.010	.210	.007	.003
%RSD	1.061	.5432	2.408	2.361	2.339	.9583	.5350	2.222	.3696	.1362
#1	1.887	2.009	9.278	9.607	9.121	1.948	1.868	9.324	1.820	1.864
#2	1.859	1.993	9.600	9.933	9.428	1.922	1.883	9.621	1.829	1.868

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0009	.0109	-.0013	1.871	1.850	-.0014	1.950	1.956	1.957	1.889
Stddev	.0017	.0001	.0027	.001	.008	.0000	.009	.048	.014	.005
%RSD	200.5	1.358	211.9	.0687	.4320	.3729	.4434	2.474	.7342	.2891
#1	-.0021	.0111	-.0031	1.870	1.844	-.0014	1.944	1.921	1.968	1.885
#2	.0004	.0108	.0006	1.872	1.856	-.0014	1.957	1.990	1.947	1.892

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.997	.0168	1.877	.0001
Stddev	.013	.0014	.004	.0014
%RSD	.6371	8.594	.2199	2155.
#1	2.006	.0178	1.874	.0010
#2	1.988	.0158	1.880	-.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1344.0	49945.	18403.
Stddev	4.1	582.	313.
%RSD	.30572	1.1650	1.6983
#1	1346.9	49533.	18624.
#2	1341.1	50356.	18182.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/22/2014 15:04:40 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0003	-.0014	-.0012	.0011	.0019	.0006	.0003	-.0012	.0002	.0002
Stddev	.0001	.0056	.0000	.0002	.0003	.0000	.0000	.0020	.0001	.0000
%RSD	45.01	406.0	.5602	17.63	16.21	7.308	3.009	164.7	46.94	6.245
#1	-.0004	.0026	-.0012	.0013	.0021	.0006	.0003	-.0026	.0001	.0002
#2	-.0002	-.0053	-.0012	.0010	.0017	.0007	.0003	.0002	.0002	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0001	-.0013	.0010	.0151	-.0158	.0002	.0027	-.0120	.0001	.0004
Stddev	.0003	.0005	.0013	.0116	.0296	.0001	.0007	.0005	.0002	.0001
%RSD	219.3	37.82	140.2	77.06	187.2	26.95	25.25	4.589	189.2	16.78
#1	.0001	-.0016	.0019	.0069	-.0367	.0002	.0032	-.0124	.0002	.0003
#2	-.0003	-.0009	.0000	.0233	.0051	.0002	.0022	-.0116	.0000	.0004

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0009	.0044	-.0013	.0007	.0011	.0030	-.0005	.0003	.0005	.0004
Stddev	.0000	.0016	.0005	.0006	.0020	.0007	.0003	.0000	.0002	.0002
%RSD	.2310	36.82	39.77	82.80	186.8	24.82	75.85	4.296	40.08	55.96
#1	-.0009	.0033	-.0009	.0012	.0025	.0035	-.0007	.0003	.0007	.0003
#2	-.0009	.0056	-.0017	.0003	-.0004	.0025	-.0002	.0003	.0004	.0006

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0006	-.0046	-.0006	.0008
Stddev	.0002	.0008	.0001	.0003
%RSD	25.08	17.01	11.18	32.62
#1	.0005	-.0041	-.0006	.0006
#2	.0007	-.0052	-.0005	.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1346.6	49883.	18053.
Stddev	1.5	135.	167.
%RSD	.10826	.27039	.92619
#1	1347.6	49979.	18171.
#2	1345.6	49788.	17935.

Zoom In Zoom Out

Sample Name: MP22402-MB1 Acquired: 1/22/2014 15:09:38 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	.0073	.0003	.0012	.0013	.0007	.0000	.0120	.0002	-.0001
Stddev	.0001	.0019	.0000	.0000	.0001	.0002	.0000	.0020	.0000	.0002
%RSD	54.30	25.80	15.87	3.083	10.63	21.91	67.49	16.58	18.57	185.6
#1	-.0001	.0086	.0003	.0012	.0012	.0006	.0000	.0106	.0001	.0000
#2	-.0003	.0060	.0003	.0012	.0014	.0008	.0000	.0134	.0002	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0005	-.0012	.0264	.0211	-.0004	.0004	.0007	.0012	.0001	-.0001
Stddev	.0003	.0005	.0009	.0098	.0065	.0000	.0002	.0005	.0001	.0010
%RSD	58.76	42.78	3.358	46.38	1858.	.4476	27.80	41.44	111.7	882.8
#1	-.0007	-.0016	.0258	.0142	-.0050	.0004	.0008	.0016	.0002	-.0008
#2	-.0003	-.0009	.0271	.0281	.0043	.0004	.0005	.0009	.0000	.0006

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0009	.0041	.0051	.0019	.0018	.0111	.0128	.0001	.0001	-.0018
Stddev	.0007	.0053	.0012	.0010	.0004	.0007	.0004	.0000	.0007	.0001
%RSD	81.54	126.8	23.40	50.91	24.64	6.220	2.939	1.001	787.4	8.153
#1	-.0004	.0004	.0042	.0026	.0021	.0116	.0130	.0001	.0006	-.0019
#2	-.0014	.0079	.0059	.0012	.0014	.0106	.0125	.0001	-.0004	-.0017

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0006	-.0016	.0033	-.0004
Stddev	.0000	.0012	.0000	.0004
%RSD	.2764	77.13	.8959	121.3
#1	.0006	-.0007	.0033	-.0007
#2	.0006	-.0024	.0034	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1331.6	50211.	18057.
Stddev	1.8	161.	100.
%RSD	.13196	.32138	.55289
#1	1330.4	50325.	17986.
#2	1332.8	50097.	18128.

Zoom In Zoom Out

Sample Name: MP22409-S1 Acquired: 1/22/2014 15:14:36 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2013	75.02	.5558	.0022	.9871	2.422	.4577	329.8	.4899	.4937
Stddev	.0009	.16	.0049	.0007	.0021	.001	.0011	3.8	.0012	.0002
%RSD	.4533	.2129	.8750	31.22	.2149	.0463	.2396	1.142	.2407	.0456
#1	.2006	75.13	.5592	.0017	.9856	2.423	.4584	332.4	.4891	.4939
#2	.2019	74.91	.5523	.0027	.9886	2.422	.4569	327.1	.4908	.4936

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5707	.7033	113.5	33.55	99.83	2.853	.8797	25.10	.5467	1.857
Stddev	.0030	.0001	.5	.07	.38	.015	.0010	.03	.0000	.003
%RSD	.5294	.0209	.4113	.2234	.3759	.5236	.1115	.1384	.0045	.1750
#1	.5686	.7034	113.8	33.61	100.1	2.842	.8790	25.13	.5466	1.855
#2	.5728	.7032	113.2	33.50	99.56	2.864	.8804	25.08	.5467	1.860

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0186	.0162	4.845	.2658	.4631	19.15	.9341	.8388	2.940	.4453
Stddev	.0005	.0012	.003	.0019	.0020	.24	.0025	.0006	.014	.0012
%RSD	2.891	7.591	.0678	.7100	.4259	1.263	.2683	.0679	.4856	.2605
#1	-.0182	.0153	4.843	.2644	.4617	19.32	.9323	.8392	2.930	.4461
#2	-.0190	.0170	4.848	.2671	.4645	18.98	.9358	.8384	2.950	.4445

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.6956	-.0042	1.609	.0051
Stddev	.0007	.0003	.002	.0006
%RSD	.0994	6.606	.1111	11.03
#1	.6951	-.0040	1.608	.0047
#2	.6961	-.0044	1.610	.0055

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1354.3	51721.	19279.
Stddev	.7	272.	202.
%RSD	.04855	.52628	1.0465
#1	1354.8	51914.	19136.
#2	1353.8	51529.	19422.

Zoom In Zoom Out

Sample Name: MP22409-S2 Acquired: 1/22/2014 15:19:26 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2026	69.08	.5498	.0019	1.017	2.432	.4619	382.4	.4950	.4900
Stddev	.0008	.07	.0030	.0020	.001	.003	.0002	.6	.0003	.0002
%RSD	.4187	.1040	.5436	100.6	.0738	.1268	.0491	.1569	.0656	.0323
#1	.2020	69.03	.5477	.0033	1.018	2.430	.4621	382.8	.4948	.4898
#2	.2032	69.13	.5519	.0006	1.017	2.434	.4617	382.0	.4953	.4901

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5613	.6640	97.46	33.02	126.0	2.764	.8891	25.55	.5337	1.712
Stddev	.0029	.0015	.11	.02	.2	.006	.0015	.06	.0003	.004
%RSD	.5212	.2334	.1162	.0642	.1955	.2034	.1692	.2443	.0597	.2485
#1	.5634	.6651	97.54	33.01	126.2	2.768	.8881	25.50	.5335	1.709
#2	.5592	.6629	97.38	33.04	125.8	2.760	.8902	25.59	.5340	1.715

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0191	.0144	5.523	.2657	.4686	18.56	.9423	.8660	3.172	.4497
Stddev	.0003	.0046	.000	.0002	.0001	.12	.0034	.0019	.008	.0022
%RSD	1.640	31.82	.0004	.0894	.0166	.6611	.3612	.2167	.2505	.4817
#1	-.0188	.0112	5.523	.2659	.4686	18.65	.9399	.8647	3.167	.4481
#2	-.0193	.0176	5.523	.2655	.4685	18.48	.9447	.8674	3.178	.4512

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.6916	-.0001	1.495	.0077
Stddev	.0015	.0041	.003	.0005
%RSD	.2135	2908.	.2244	6.535
#1	.6927	.0028	1.493	.0073
#2	.6906	-.0030	1.498	.0080

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1339.6	51329.	19167.
Stddev	2.1	153.	98.
%RSD	.15328	.29771	.51044
#1	1338.2	51221.	19098.
#2	1341.1	51437.	19236.

Zoom In Zoom Out

Sample Name: MC27760-3 Acquired: 1/22/2014 15:24:16 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	72.10	.0603	-.0027	.1089	1.417	.0053	436.2	.0027	.0493
Stddev	.0004	.04	.0000	.0002	.0009	.002	.0001	3.9	.0002	.0003
%RSD	568.0	.0585	.0669	9.285	.8225	.1170	2.464	.8969	6.805	.5374
#1	-.0002	72.13	.0602	-.0025	.1083	1.418	.0054	439.0	.0029	.0491
#2	.0003	72.07	.0603	-.0029	.1096	1.415	.0052	433.4	.0026	.0494

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1053	.1898	105.6	8.529	61.11	2.288	.0144	2.044	.1148	.7570
Stddev	.0020	.0009	.3	.004	.25	.020	.0002	.010	.0001	.0029
%RSD	1.938	.4965	.3035	.0510	.4059	.8873	1.658	.4738	.0957	.3883
#1	.1038	.1891	105.8	8.532	61.29	2.274	.0146	2.037	.1147	.7549
#2	.1067	.1904	105.4	8.525	60.94	2.302	.0142	2.050	.1148	.7591

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0220	.0118	2.751	.0064	.0046	17.14	.0210	4.430	2.026	.0034
Stddev	.0002	.0039	.008	.0001	.0002	.50	.0006	.060	.001	.0002
%RSD	.9982	33.13	.2774	1.312	3.912	2.938	2.921	1.346	.0697	7.239
#1	-.0222	.0146	2.746	.0064	.0044	17.49	.0206	4.472	2.027	.0032
#2	-.0219	.0091	2.757	.0063	.0047	16.78	.0214	4.387	2.025	.0035

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2262	-.0107	1.051	.0138
Stddev	.0003	.0020	.000	.0007
%RSD	.1259	18.91	.0175	5.223
#1	.2260	-.0093	1.051	.0133
#2	.2264	-.0121	1.051	.0144

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1386.1	52821.	19637.
Stddev	3.3	576.	172.
%RSD	.24109	1.0898	.87704
#1	1388.5	53228.	19515.
#2	1383.7	52414.	19758.

Zoom In Zoom Out

Sample Name: MP22409-SD1 Acquired: 1/22/2014 15:29:19 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0007	76.42	.0730	.0021	.1233	1.531	.0058	485.5	.0032	.0532
Stddev	.0015	.07	.0034	.0039	.0024	.001	.0003	.7	.0008	.0006
%RSD	215.5	.0946	4.623	184.2	1.912	.0308	4.697	.1501	25.37	1.216
#1	-.0004	76.37	.0706	-.0006	.1250	1.531	.0056	485.0	.0037	.0528
#2	.0017	76.47	.0754	.0049	.1216	1.530	.0060	486.0	.0026	.0537

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1154	.1877	118.3	9.224	64.98	2.496	.0164	2.155	.1257	.8222
Stddev	.0017	.0005	.0	.186	.33	.007	.0008	.047	.0011	.0016
%RSD	1.488	.2843	.0394	2.014	.5039	.2828	5.064	2.189	.8659	.1891
#1	.1142	.1881	118.3	9.355	65.21	2.501	.0170	2.188	.1250	.8233
#2	.1166	.1874	118.2	9.093	64.74	2.491	.0158	2.122	.1265	.8211

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0206	.0296	2.850	.0125	.0019	20.58	.0233	4.815	2.218	.0043
Stddev	.0003	.0031	.018	.0029	.0066	.15	.0046	.004	.024	.0009
%RSD	1.412	10.53	.6278	23.44	341.4	.7110	19.70	.0827	1.081	20.50
#1	-.0208	.0318	2.837	.0104	-.0027	20.68	.0265	4.818	2.235	.0049
#2	-.0204	.0274	2.863	.0145	.0066	20.47	.0200	4.812	2.201	.0037

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2442	-.0263	1.192	.0070
Stddev	.0017	.0269	.000	.0008
%RSD	.6989	102.0	.0307	11.97
#1	.2454	-.0453	1.192	.0076
#2	.2430	-.0073	1.192	.0064

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1352.4	51169.	18612.
Stddev	1.7	35.	75.
%RSD	.12728	.06864	.40167
#1	1353.7	51194.	18665.
#2	1351.2	51144.	18559.

Zoom In Zoom Out

Sample Name: MP22409-B2 Acquired: 1/22/2014 15:34:12 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2034	2.084	.5226	.0004	1.013	2.029	.4956	24.34	.5071	.4894
Stddev	.0002	.001	.0030	.0005	.001	.003	.0002	.04	.0001	.0005
%RSD	.1128	.0276	.5700	118.0	.0987	.1534	.0319	.1493	.0255	.0992
#1	.2036	2.084	.5205	.0001	1.012	2.027	.4957	24.36	.5072	.4897
#2	.2033	2.085	.5247	.0008	1.013	2.032	.4955	24.31	.5070	.4890

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4834	.5016	1.988	25.47	25.14	.4950	.9616	25.23	.4714	.9717
Stddev	.0002	.0001	.004	.02	.05	.0003	.0006	.07	.0001	.0006
%RSD	.0330	.0155	.1885	.0760	.1904	.0584	.0577	.2606	.0122	.0644
#1	.4832	.5017	1.991	25.46	25.17	.4948	.9620	25.18	.4714	.9721
#2	.4835	.5016	1.986	25.49	25.10	.4952	.9612	25.28	.4715	.9712

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0011	.0066	2.242	.4825	.4898	1.031	1.039	.5020	.5007	.4884
Stddev	.0008	.0049	.008	.0046	.0010	.002	.003	.0006	.0001	.0017
%RSD	68.24	74.70	.3501	.9586	.2039	.1701	.3063	.1219	.0280	.3508
#1	-.0006	.0031	2.248	.4792	.4891	1.032	1.041	.5016	.5008	.4896
#2	-.0017	.0101	2.237	.4857	.4905	1.030	1.036	.5024	.5006	.4872

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5272	.0008	.5100	-.0017
Stddev	.0003	.0030	.0003	.0000
%RSD	.0485	364.4	.0509	.8366
#1	.5271	-.0013	.5102	-.0017
#2	.5274	.0030	.5098	-.0017

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1314.2	49946.	18182.
Stddev	2.2	64.	54.
%RSD	.16419	.12760	.29483
#1	1312.6	49901.	18144.
#2	1315.7	49991.	18219.

Zoom In Zoom Out

Sample Name: MP22409-LC1 Acquired: 1/22/2014 15:38:58 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.3649	76.17	.9398	.0105	.9486	1.663	.5436	61.19	.6491	.9982
Stddev	.0010	.11	.0007	.0001	.0013	.000	.0001	.10	.0016	.0035
%RSD	.2846	.1502	.0736	1.291	.1371	.0127	.0162	.1576	.2521	.3519
#1	.3657	76.25	.9403	.0104	.9495	1.663	.5437	61.25	.6503	1.001
#2	.3642	76.09	.9393	.0106	.9476	1.663	.5435	61.12	.6480	.9957

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.6933	.8189	115.4	37.91	29.96	2.836	.4042	6.768	.5623	.8843
Stddev	.0043	.0012	.2	.01	.05	.001	.0015	.014	.0011	.0035
%RSD	.6220	.1470	.1638	.0297	.1697	.0216	.3611	.2094	.1892	.4013
#1	.6964	.8181	115.5	37.91	30.00	2.835	.4052	6.778	.5630	.8869
#2	.6903	.8198	115.2	37.92	29.93	2.836	.4031	6.758	.5615	.8818

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0076	.0115	2.965	.7840	1.617	12.29	1.056	.6873	2.299	1.203
Stddev	.0001	.0030	.001	.0010	.006	.03	.002	.0008	.000	.000
%RSD	1.226	25.61	.0206	.1329	.3682	.2763	.2198	.1179	.0157	.0026
#1	-.0076	.0094	2.965	.7833	1.622	12.32	1.057	.6879	2.299	1.203
#2	-.0077	.0136	2.964	.7848	1.613	12.27	1.054	.6867	2.298	1.203

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5496	.0074	1.333	.0353
Stddev	.0004	.0027	.001	.0005
%RSD	.0647	36.53	.0771	1.298
#1	.5498	.0093	1.334	.0350
#2	.5493	.0055	1.332	.0356

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1434.9	54367.	19699.
Stddev	.5	17.	55.
%RSD	.03720	.03150	.28102
#1	1434.5	54355.	19660.
#2	1435.3	54379.	19738.

Zoom In Zoom Out

Sample Name: MP22409-PS1 Acquired: 1/22/2014 15:45:20 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	69.57	.0609	-.0041	.1049	3.847	.0051	427.3	.0029	.0489
Stddev	.0001	.03	.0017	.0001	.0001	.018	.0000	2.3	.0001	.0000
%RSD	30.48	.0501	2.806	1.912	.0878	.4727	.6861	.5483	2.578	.0530
#1	-.0002	69.55	.0597	-.0041	.1050	3.834	.0051	429.0	.0029	.0488
#2	-.0003	69.60	.0621	-.0042	.1049	3.860	.0051	425.7	.0028	.0489

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.1044	.1859	103.4	7.868	60.17	2.247	.0138	1.932	.1140	.7481
Stddev	.0007	.0002	.1	.003	.14	.004	.0002	.001	.0000	.0000
%RSD	.6552	.0851	.1032	.0421	.2343	.1893	1.622	.0316	.0078	.0027
#1	.1049	.1860	103.5	7.865	60.07	2.250	.0139	1.932	.1140	.7481
#2	.1040	.1858	103.3	7.870	60.27	2.244	.0136	1.931	.1140	.7481

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0212	.0112	2.711	.0281	.0053	12.69	.0200	4.417	1.927	.0043
Stddev	.0017	.0005	.001	.0005	.0014	.03	.0001	.001	.012	.0003
%RSD	7.946	4.231	.0503	1.875	26.96	.2291	.3956	.0248	.5966	7.090
#1	-.0200	.0116	2.712	.0277	.0043	12.67	.0201	4.418	1.935	.0045
#2	-.0224	.0109	2.710	.0285	.0063	12.71	.0200	4.416	1.919	.0041

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.2186	-.0158	1.037	.0204
Stddev	.0009	.0051	.002	.0003
%RSD	.4100	32.23	.1826	1.391
#1	.2193	-.0122	1.036	.0202
#2	.2180	-.0194	1.039	.0206

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1373.4	52453.	19494.
Stddev	1.6	92.	16.
%RSD	.11626	.17543	.08234
#1	1372.3	52388.	19506.
#2	1374.5	52518.	19483.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/22/2014 15:50:24 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2506	9.722	1.892	-.0003	1.914	1.956	1.910	9.956	1.925	1.884
Stddev	.0004	.023	.002	.0002	.005	.003	.004	.051	.004	.003
%RSD	.1433	.2408	.0775	72.77	.2747	.1670	.1918	.5101	.2233	.1628
#1	.2504	9.705	1.893	-.0004	1.918	1.959	1.907	9.920	1.928	1.887
#2	.2509	9.738	1.891	-.0001	1.910	1.954	1.913	9.992	1.922	1.882

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.907	1.981	9.688	9.873	9.554	1.950	1.890	9.693	1.851	1.885
Stddev	.001	.002	.066	.009	.038	.002	.001	.007	.003	.003
%RSD	.0615	.1030	.6780	.0952	.3976	.0805	.0349	.0771	.1766	.1782
#1	1.907	1.979	9.642	9.866	9.528	1.949	1.890	9.688	1.854	1.887
#2	1.906	1.982	9.735	9.879	9.581	1.951	1.889	9.698	1.849	1.882

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0008	.0158	-.0010	1.895	1.872	.0132	1.957	1.981	1.961	1.899
Stddev	.0005	.0020	.0006	.006	.003	.0015	.005	.005	.001	.002
%RSD	70.85	12.40	60.22	.3204	.1765	11.35	.2777	.2341	.0277	.1173
#1	-.0004	.0171	-.0006	1.899	1.874	.0142	1.961	1.984	1.961	1.901
#2	-.0011	.0144	-.0014	1.890	1.870	.0121	1.953	1.978	1.961	1.898

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.988	.0145	1.892	.0007
Stddev	.001	.0038	.000	.0010
%RSD	.0477	26.61	.0193	140.9
#1	1.989	.0117	1.892	.0015
#2	1.988	.0172	1.892	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1341.4	50213.	18191.
Stddev	3.9	82.	126.
%RSD	.28878	.16331	.69029
#1	1338.6	50155.	18280.
#2	1344.1	50271.	18102.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/22/2014 15:55:08 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0004	-.0009	.0008	.0005	.0029	.0006	.0003	.0027	F.0006
Stddev	.0000	.0001	.0000	.0006	.0001	.0000	.0001	.0019	.0000
%RSD	7.995	12.92	.7585	140.5	4.677	1.509	24.20	67.99	2.332
#1	-.0004	-.0010	.0008	.0009	.0028	.0006	.0003	.0014	.0006
#2	-.0003	-.0008	.0009	.0000	.0030	.0006	.0004	.0041	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0005	-.0001	-.0011	.0047	.0449	.0040	.0004	.0031	-.0078
Stddev	.0002	.0002	.0001	.0008	.0079	.0014	.0000	.0005	.0005
%RSD	37.28	310.6	13.56	17.58	17.62	35.17	2.071	16.36	6.983
#1	.0004	-.0002	-.0010	.0041	.0505	.0050	.0004	.0035	-.0074
#2	.0006	.0001	-.0012	.0052	.0393	.0030	.0004	.0028	-.0082

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0002	.0001	-.0003	.0020	-.0018	.0019	.0021	.0077	.0006
Stddev	.0003	.0002	.0000	.0011	.0004	.0002	.0009	.0015	.0003
%RSD	169.1	461.6	.9174	56.33	25.49	12.15	43.11	20.02	58.27
#1	.0000	-.0001	-.0003	.0028	-.0021	.0020	.0028	.0066	.0004
#2	.0004	.0002	-.0003	.0012	-.0014	.0017	.0015	.0088	.0008

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0004	.0007	.0011	.0004	-.0039	.0005	-.0001
Stddev	.0000	.0003	.0005	.0000	.0028	.0001	.0001
%RSD	6.817	48.11	46.35	2.350	71.85	26.64	111.7
#1	.0004	.0005	.0008	.0004	-.0058	.0004	-.0002
#2	.0004	.0009	.0015	.0004	-.0019	.0006	.0000

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1348.8	50852.	18351.
Stddev	.0	145.	19.
%RSD	.00110	.28494	.10322
#1	1348.8	50954.	18338.
#2	1348.8	50750.	18364.

Zoom In Zoom Out

Sample Name: CRI Acquired: 1/22/2014 16:00:05 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0048	.1986	.0047	.0010	.0999	.0523	.0041	5.142	.0042	.0489
Stddev	.0003	.0126	.0005	.0013	.0002	.0026	.0002	.269	.0001	.0001
%RSD	6.864	6.351	11.29	128.9	.2121	5.036	4.656	5.237	2.400	.2349
#1	.0051	.1897	.0051	.0019	.1000	.0504	.0040	4.951	.0042	.0490
#2	.0046	.2075	.0043	.0001	.0997	.0541	.0042	5.332	.0041	.0488

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0094	.0239	.1020	5.208	5.000	.0153	.0987	5.089	.0388	.0045
Stddev	.0004	.0009	.0073	.283	.288	.0002	.0004	.258	.0002	.0010
%RSD	4.134	3.761	7.187	5.437	5.762	1.470	.4309	5.074	.3920	23.02
#1	.0092	.0246	.0969	5.008	4.796	.0154	.0990	4.906	.0387	.0038
#2	.0097	.0233	.1072	5.408	5.204	.0151	.0984	5.272	.0389	.0053

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0013	.0029	-.0044	.0068	.0105	.0072	.0974	.0104	.0514	.0046
Stddev	.0001	.0000	.0011	.0001	.0001	.0008	.0003	.0005	.0004	.0002
%RSD	7.839	1.640	24.92	1.802	.6258	11.82	.2649	5.197	.6931	4.757
#1	-.0013	.0029	-.0036	.0067	.0105	.0066	.0972	.0101	.0516	.0044
#2	-.0014	.0028	-.0051	.0069	.0105	.0078	.0976	.0108	.0511	.0047

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0102	-.0042	.0199	.0008
Stddev	.0001	.0055	.0001	.0001
%RSD	1.299	130.1	.6620	14.46
#1	.0103	-.0082	.0200	.0009
#2	.0101	-.0003	.0198	.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1347.9	50044.	17832.
Stddev	1.3	423.	828.
%RSD	.09885	.84477	4.6428
#1	1347.0	49745.	18418.
#2	1348.9	50343.	17247.

Zoom In Zoom Out

Sample Name: CRIA Acquired: 1/22/2014 16:06:39 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0048	.1898	.0123	-.0003	.1007	.0504	.0040	4.907	.0041	.0489
Stddev	.0005	.0006	.0016	.0016	.0007	.0001	.0000	.018	.0000	.0002
%RSD	9.685	.3021	13.12	460.5	.7071	.2267	.4310	.3670	.6640	.3827
#1	.0051	.1894	.0134	-.0015	.1012	.0505	.0040	4.894	.0041	.0490
#2	.0044	.1902	.0112	.0008	.1002	.0503	.0040	4.919	.0041	.0488

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0086	.0240	.0979	4.984	4.847	.0152	.0985	4.871	.0390	.0094
Stddev	.0004	.0000	.0001	.004	.049	.0001	.0002	.012	.0002	.0001
%RSD	4.948	.1451	.1102	.0892	1.004	.5447	.2429	.2515	.4327	.6518
#1	.0090	.0240	.0978	4.988	4.813	.0153	.0987	4.879	.0391	.0094
#2	.0083	.0240	.0979	4.981	4.881	.0151	.0984	4.862	.0389	.0093

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0005	.0015	-.0008	.0117	.0112	.0111	.0968	.0100	.0500	.0108
Stddev	.0008	.0011	.0007	.0009	.0025	.0006	.0002	.0000	.0001	.0005
%RSD	155.8	71.73	86.93	7.410	22.44	5.542	.1908	.2285	.2456	4.228
#1	-.0011	.0007	-.0003	.0123	.0095	.0106	.0969	.0100	.0499	.0105
#2	.0001	.0023	-.0013	.0111	.0130	.0115	.0966	.0100	.0501	.0111

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0105	-.0028	.0192	.0004
Stddev	.0000	.0048	.0001	.0001
%RSD	.1045	170.7	.5900	22.34
#1	.0106	-.0062	.0192	.0004
#2	.0105	.0006	.0191	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1342.5	50433.	18250.
Stddev	3.0	178.	97.
%RSD	.22397	.35214	.53247
#1	1340.3	50308.	18319.
#2	1344.6	50559.	18181.

Zoom In Zoom Out

Sample Name: CRIB Acquired: 1/22/2014 16:14:15 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0049	.1891	.0103	.0004	.0984	.5511	.0040	4.897	.0043	.0489
Stddev	.0001	.0013	.0005	.0001	.0001	.0023	.0001	.021	.0001	.0001
%RSD	2.323	.6938	5.227	13.58	.1109	.4197	1.545	.4298	3.265	.1377
#1	.0050	.1882	.0107	.0004	.0985	.5495	.0041	4.912	.0044	.0490
#2	.0048	.1901	.0100	.0004	.0984	.5528	.0040	4.883	.0042	.0489

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0091	.0233	.0975	4.958	4.823	.0150	.0990	4.877	.0388	.0091
Stddev	.0003	.0002	.0016	.002	.021	.0000	.0003	.018	.0001	.0005
%RSD	3.791	.6642	1.665	.0299	.4291	.1573	.3267	.3687	.3013	5.806
#1	.0094	.0234	.0987	4.959	4.838	.0150	.0993	4.865	.0387	.0095
#2	.0089	.0232	.0964	4.957	4.809	.0150	.0988	4.890	.0389	.0087

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0008	.0044	-.0020	.0068	.0267	.0066	.0975	.0099	.0498	.0041
Stddev	.0013	.0045	.0005	.0001	.0011	.0022	.0005	.0000	.0006	.0005
%RSD	157.8	101.2	25.02	1.930	4.283	33.50	.4847	.2751	1.256	12.46
#1	-.0018	.0013	-.0016	.0067	.0275	.0082	.0978	.0099	.0494	.0045
#2	.0001	.0076	-.0023	.0069	.0259	.0050	.0972	.0099	.0503	.0038

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0103	-.0029	.1114	-.0001
Stddev	.0003	.0013	.0002	.0002
%RSD	2.923	43.89	.1941	239.5
#1	.0101	-.0038	.1115	.0001
#2	.0105	-.0020	.1112	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1337.8	50766.	18159.
Stddev	1.3	6.	42.
%RSD	.09541	.01246	.23329
#1	1336.9	50761.	18129.
#2	1338.7	50770.	18189.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 1/22/2014 16:19:09 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	506.9	.0004	.0016	.0015	.0000	.0000	443.0	.0005	.0020
Stddev	.0001	5.9	.0003	.0002	.0003	.000	.0000	1.7	.0000	.0003
%RSD	22.37	1.157	90.18	14.50	20.41	14.95	117.7	.3760	3.946	16.27
#1	.0006	511.0	.0001	.0014	.0017	.0000	.0000	444.2	.0005	.0022
#2	.0004	502.7	.0006	.0017	.0012	.0000	.0000	441.8	.0006	.0017

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0031	176.7	-.0481	517.5	.0003	-.0003	.0207	.0007	-.0006
Stddev	.0004	.0009	.1	.0023	1.2	.0000	.0005	.0079	.0005	.0015
%RSD	155.4	28.46	.0677	4.721	.2403	3.233	184.5	37.97	67.79	272.6
#1	-.0005	.0037	176.6	-.0497	516.7	.0003	.0001	.0152	.0004	.0005
#2	.0000	.0025	176.8	-.0465	518.4	.0003	-.0006	.0263	.0010	-.0016

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0367	-.0201	.1191	.0022	.0008	.0502	.0006	-.0083	.0052	.0025
Stddev	.0003	.0010	.0027	.0000	.0026	.0042	.0002	.0000	.0001	.0001
%RSD	.8952	4.947	2.225	1.767	332.5	8.427	32.59	.3213	2.663	3.965
#1	-.0364	-.0194	.1210	.0023	-.0010	.0472	.0008	-.0083	.0053	.0025
#2	-.0369	-.0208	.1173	.0022	.0026	.0532	.0005	-.0083	.0051	.0026

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0011	-.0349	.0001	.0044
Stddev	.0002	.0102	.0005	.0003
%RSD	14.55	29.15	749.2	5.897
#1	-.0012	-.0421	.0004	.0046
#2	-.0010	-.0277	-.0003	.0042

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1214.4	46935.	17879.
Stddev	5.7	140.	21.
%RSD	.46616	.29834	.11979
#1	1218.4	46836.	17864.
#2	1210.4	47034.	17894.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 1/22/2014 16:24:11 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.068	510.8	2.071	.4996	1.002	.4943	.4517	445.1	1.014	.4521
Stddev	.001	3.9	.005	.0016	.001	.0018	.0017	2.0	.002	.0008
%RSD	.1107	.7638	.2303	.3125	.1322	.3636	.3688	.4410	.2118	.1720
#1	1.067	508.0	2.074	.4985	1.001	.4931	.4506	443.7	1.016	.4527
#2	1.069	513.5	2.067	.5007	1.003	.4956	.4529	446.5	1.013	.4516

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4580	.5444	174.6	-.0349	515.9	.4800	.9089	.0102	.8365	.8898
Stddev	.0014	.0023	.6	.0099	2.2	.0011	.0005	.0014	.0003	.0003
%RSD	.2996	.4264	.3409	28.55	.4298	.2302	.0545	14.24	.0314	.0346
#1	.4571	.5427	174.2	-.0278	514.3	.4792	.9092	.0091	.8367	.8896
#2	.4590	.5460	175.0	-.0419	517.5	.4808	.9085	.0112	.8363	.8900

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.5408	.4951	.6718	2.017	1.944	2.224	.9594	.9517	.5029	1.802
Stddev	.0011	.0016	.0039	.004	.002	.004	.0052	.0024	.0010	.005
%RSD	.1977	.3167	.5837	.2003	.0814	.1628	.5413	.2501	.2020	.3080
#1	.5401	.4940	.6746	2.020	1.945	2.226	.9631	.9500	.5021	1.806
#2	.5416	.4962	.6690	2.014	1.943	2.221	.9557	.9534	.5036	1.798

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5042	2.088	.8794	.3515
Stddev	.0021	.021	.0037	.0046
%RSD	.4077	1.021	.4168	1.297
#1	.5028	2.073	.8820	.3482
#2	.5057	2.103	.8768	.3547

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1217.7	46750.	17805.
Stddev	2.9	141.	57.
%RSD	.23931	.30073	.31756
#1	1215.6	46849.	17845.
#2	1219.8	46650.	17765.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/22/2014 16:29:04 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2506	9.714	1.895	.0008	1.909	1.949	1.906	9.788	1.922	1.885
Stddev	.0003	.003	.002	.0002	.001	.003	.005	.062	.002	.002
%RSD	.1226	.0302	.0913	20.22	.0523	.1285	.2590	.6360	.1023	.1062
#1	.2504	9.712	1.893	.0007	1.909	1.947	1.902	9.744	1.923	1.886
#2	.2508	9.716	1.896	.0010	1.908	1.950	1.909	9.832	1.921	1.884

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.907	1.984	9.661	9.846	9.593	1.946	1.892	9.648	1.858	1.886
Stddev	.012	.004	.033	.007	.020	.008	.001	.016	.001	.001
%RSD	.6325	.2266	.3395	.0698	.2083	.4017	.0485	.1703	.0267	.0609
#1	1.915	1.987	9.637	9.851	9.579	1.952	1.891	9.636	1.858	1.886
#2	1.898	1.981	9.684	9.841	9.607	1.941	1.893	9.659	1.858	1.885

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0010	.0183	-.0034	1.894	1.872	.0020	1.952	1.967	1.959	1.897
Stddev	.0010	.0014	.0001	.001	.004	.0015	.005	.001	.008	.002
%RSD	100.6	7.752	3.271	.0745	.2389	73.48	.2630	.0576	.4228	.0894
#1	-.0003	.0173	-.0033	1.895	1.875	.0010	1.955	1.966	1.965	1.898
#2	-.0017	.0193	-.0034	1.893	1.869	.0030	1.948	1.968	1.953	1.896

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.985	.0243	1.896	.0294
Stddev	.008	.0009	.002	.0068
%RSD	.4181	3.746	.1139	22.99
#1	1.991	.0236	1.897	.0342
#2	1.980	.0249	1.894	.0247

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1344.1	50373.	18278.
Stddev	1.1	127.	96.
%RSD	.07874	.25175	.52518
#1	1343.4	50283.	18346.
#2	1344.9	50462.	18210.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/22/2014 16:33:49 Type: Unk
Method: Accutest -SS2 with S(v311) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0000	.0106	.0007	.0021	.0027	.0012	F.0009	.0126	.0004
Stddev	.0003	.0027	.0001	.0007	.0007	.0002	.0001	.0019	.0001
%RSD	1828.	25.74	15.34	34.35	25.64	12.67	10.01	14.72	34.75
#1	-.0002	.0125	.0006	.0016	.0032	.0013	.0010	.0139	.0005
#2	.0002	.0086	.0008	.0027	.0022	.0011	.0009	.0113	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0002	.0010	-.0006	.0080	.0306	.0124	.0008	.0032	-.0060
Stddev	.0000	.0000	.0002	.0016	.0015	.0074	.0000	.0008	.0014
%RSD	8.681	1.865	33.21	20.02	4.806	59.21	6.182	23.50	22.98
#1	.0002	.0010	-.0008	.0092	.0296	.0072	.0008	.0037	-.0051
#2	.0002	.0010	-.0005	.0069	.0317	.0176	.0007	.0027	-.0070

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0002	-.0003	-.0010	.0042	-.0013	.0015	.0025	.0022	.0006
Stddev	.0002	.0005	.0001	.0003	.0017	.0007	.0011	.0000	.0004
%RSD	91.82	173.5	9.477	7.730	130.9	46.61	42.99	.7724	59.34
#1	.0001	.0001	-.0010	.0044	-.0001	.0019	.0032	.0022	.0008
#2	.0003	-.0006	-.0009	.0040	-.0025	.0010	.0017	.0022	.0003

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0010	.0007	.0017	.0009	.0001	-.0002	.0004
Stddev	.0001	.0007	.0013	.0003	.0019	.0000	.0004
%RSD	11.88	92.98	74.34	33.46	1311.	12.94	109.2
#1	.0010	.0002	.0027	.0011	-.0012	-.0002	.0007
#2	.0009	.0012	.0008	.0007	.0015	-.0001	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1346.1	50785.	18253.
Stddev	1.1	211.	61.
%RSD	.08529	.41583	.33461
#1	1345.3	50636.	18297.
#2	1346.9	50935.	18210.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	0.000017	0.000000	No
			Co	0.000007	0.000000	No
			Mn	0.000112	0.000000	No
			Mo	0.000010	0.000000	No
			Cu	0.000004	0.000000	No
			Ti	0.000037	0.000000	No
			Al	-0.000000	0.000000	No
			Zr	0.005523	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.010331	0.000000	No
			Mo	0.035116	0.000000	No
			Ca	0.000021	0.000000	No
As 189.042 {479}	☒	10	V	-0.000070	0.000000	No
			Al	0.000009	0.000000	No
			Mo	0.000127	0.000000	No
			Fe	-0.000005	0.000000	No
			Mn	-0.000158	0.000000	No
			Ca	0.000007	0.000000	No
			Mg	0.000002	0.000000	No
			Cr	0.000334	0.000000	No
			Na	0.000000	0.000000	No
			Co	-0.000743	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000056	0.000000	No
			Mn	0.007148	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.021020	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000009	0.000000	No
Be 313.042 {108}	☒	3	V	0.000256	0.000000	No
			Mo	-0.000013	0.000000	No
			Ti	-0.000310	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	4	Ni	0.000020	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000003	0.000000	No
			Ca	0.000003	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000045	0.000000	No
			Mo	-0.000082	0.000000	No
			Ti	0.001798	0.000000	No
			Ca	0.000001	0.000000	No
Cr 267.716 {126}	☒	3	Al	0.000002	0.000000	No
			Mn	0.000149	0.000000	No
			Fe	-0.000011	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000072	0.000000	No
			V	-0.000180	0.000000	No
			Mo	0.000128	0.000000	No
			Co	-0.000699	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000600	0.000000	No
			Co	-0.000015	0.000000	No
			Cr	0.000162	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000003	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000578	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No
			Al	0.000568	0.000000	No
Ni 231.604 {446}	☒	3	Mo	0.000061	0.000000	No
			Fe	0.000042	0.000000	No
			Ca	-0.000001	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000057	0.000000	No
			Mn	0.000104	0.000000	No
			Mo	-0.001765	0.000000	No
			Co	0.000006	0.000000	No
			Cu	0.000078	0.000000	No
			Ca	-0.000008	0.000000	No
			Fe	0.000051	0.000000	No
			Mg	-0.000001	0.000000	No
			Ni	0.000097	0.000000	No
			Si	0.000146	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000342	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.006177	0.000000	No
			Ni	-0.000225	0.000000	No
			Mn	-0.008486	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
S 182.034 {485}	☒	None				
Sb 206.833 {463}	☒	11	Al	-0.000024	0.000000	No
			Fe	0.000009	0.000000	No
			Cr	0.006466	0.000000	No
			Mo	0.000126	0.000000	No
			Mg	0.000000	0.000000	No
			Ni	0.000015	0.000000	No
			V	-0.001397	0.000000	No
			Ca	-0.000000	0.000000	No
			Ti	-0.000440	0.000000	No
			Cu	0.000120	0.000000	No
			Sn	-0.009353	0.000000	No
Se 196.090 {472}	☒	7	Al	-0.000005	0.000000	No
			Fe	-0.000163	0.000000	No
			Mn	0.000445	0.000000	No
			Mo	0.000005	0.000000	No
			Ca	-0.000011	0.000000	No
			Na	0.000006	0.000000	No
			Co	-0.000849	0.000000	No
Si 212.412 {459}	☒	3	V	0.030413	0.000000	No
			Ti	0.012159	0.000000	No
			Mo	0.022364	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.000598	0.000000	No
			Cr	0.000204	0.000000	No
			V	-0.024469	0.000000	No
			Co	0.001725	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Al	-0.000006	0.000000	No
				Fe	0.000007	0.000000	No
				Ti	-0.001276	0.000000	No
				Mo	-0.000144	0.000000	No
				Ca	-0.000004	0.000000	No
				Na	-0.000003	0.000000	No
	V 292.402 {115}	☒	4	Ti	0.000727	0.000000	No
				Mo	-0.005582	0.000000	No
				Fe	0.000004	0.000000	No
				Cr	-0.001648	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000141	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000005	0.000000	No
				Mn	0.000018	0.000000	No
				Ni	0.000450	0.000000	No
				Cr	-0.000497	0.000000	No
				Mo	0.000270	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.000277	0.000000	No
				Al	0.000003	0.000000	No
				Na	0.000004	0.000000	No
	Zr 339.198 { 99}	☒	5	Si	0.002212	0.000000	No
				Ti	0.000189	0.000000	No
				Fe	0.000029	0.000000	No
				Sn	0.002851	0.000000	No
				V	0.002032	0.000000	No

Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 1/22/2014 17:13:00 Type: Cal
Method: Accutest -SS2 with S(v314) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0012	.0005	.0000	-.0001	.0015	.0861	.0002	.0038	.0029
Stddev	.0001	.0005	.000	.0001	.0000	.0011	.0001	.0003	.0004
%RSD	8.559	94.45	6362.	87.69	.0696	1.232	34.73	7.078	12.96
#1	-.0012	.0008	-.0001	-.0001	.0015	.0869	.0002	.0040	.0032
#2	-.0013	.0002	.0001	.0000	.0015	.0854	.0003	.0036	.0027

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0013	.0000	.0035	.0003	.0008	-.0002	.0003	.0003	.0007
Stddev	.0002	.0000	.0001	.0000	.0006	.0001	.0001	.0002	.0000
%RSD	13.48	182.6	4.105	13.59	76.68	80.38	16.70	68.60	4.963
#1	-.0014	.0000	.0036	.0003	.0012	-.0003	.0003	.0005	.0008
#2	-.0011	.0001	.0034	.0004	.0004	-.0001	.0004	.0002	.0007

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0026	-.0020	-.0004	.0000	.0018	.0001	.0011	.0196	.0002
Stddev	.0001	.0003	.0000	.0000	.0002	.0002	.0003	.0003	.0001
%RSD	5.114	12.76	4.968	39.60	8.756	141.4	27.84	1.459	33.34
#1	-.0025	-.0019	-.0004	.0000	.0016	.0003	.0013	.0198	.0001
#2	-.0027	-.0022	-.0004	.0000	.0019	.0000	.0009	.0194	.0002

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0051	-.0005	-.0023	.0001	-.0001	.0012	.0190
Stddev	.0003	.0001	.0001	.0001	.0001	.0004	.0001
%RSD	6.000	14.23	3.107	71.81	55.98	38.69	.3548
#1	.0048	-.0006	-.0024	.0001	-.0002	.0015	.0190
#2	.0053	-.0005	-.0023	.0000	-.0001	.0008	.0190

◀ Zoom In ▶ Zoom Out

Sample Name: Std1 Acquired: 1/22/2014 17:13:00 Type: Cal
Method: Accutest -SS2 with S(v314) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1339.1	50632.	18040.
Stddev	.8	200.	86.
%RSD	.06216	.39401	.47490
#1	1339.7	50491.	18100.
#2	1338.6	50773.	17979.

◀ Zoom In ▶ Zoom Out

Sample Name: Std2 Acquired: 1/22/2014 17:17:57 Type: Cal
Method: Accutest -SS2 with S(v314) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1386	.5527	2.488	16.89	12.85	10.76	8.354	.4589	1.994	4.296
Stddev	.0005	.0008	.004	.13	.02	.02	.020	.0001	.001	.001
%RSD	.3361	.1447	.1670	.7458	.1309	.2313	.2422	.0191	.0476	.0116
#1	.1383	.5533	2.491	16.80	12.86	10.78	8.368	.4589	1.994	4.296
#2	.1389	.5521	2.485	16.98	12.84	10.74	8.340	.4590	1.995	4.295

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.819	5.902	2.492	1.772	.8533	1.094	7.248
Stddev	.001	.012	.005	.004	.0020	.002	.016
%RSD	.0091	.1995	.2024	.2418	.2299	.1899	.2154
#1	7.820	5.910	2.495	1.775	.8547	1.096	7.259
#2	7.819	5.893	2.488	1.769	.8519	1.093	7.237

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1328.0	50449.	18189.
Stddev	3.2	128.	25.
%RSD	.24425	.25442	.13840
#1	1325.7	50540.	18171.
#2	1330.3	50358.	18206.

◀ Zoom In ▶ Zoom Out

Sample Name: Std3 Acquired: 1/22/2014 17:22:49 Type: Cal
Method: Accutest -SS2 with S(v314) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3179	Fe2599	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.380	1.670	1.193	.6850	.1101	2.889
Stddev	.003	.006	.002	.0011	.0006	.007
%RSD	.1792	.3685	.1773	.1590	.5021	.2458
#1	1.379	1.674	1.195	.6857	.1105	2.884
#2	1.382	1.665	1.192	.6842	.1097	2.894

Int. Std.	Y_3710
Units	Cts/S
Avg	18181.
Stddev	108.
%RSD	.59286
#1	18105.
#2	18257.

Zoom In Zoom Out

Sample Name: Std4 Acquired: 1/22/2014 17:27:45 Type: Cal
Method: Accutest -SS2 with S(v314) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Au2427	Pd3404	Pt2659	S_1820	Si2124	Sn1899	Sr4077	Ti3349	V_2924	W_2397
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2329	.4986	.0717	.6817	2.214	1.406	27.73	1.193	.9115	.0443
Stddev	.0003	.0002	.0002	.0022	.004	.004	.01	.001	.0001	.0002
%RSD	.1357	.0323	.2692	.3199	.1667	.2509	.0246	.0987	.0159	.3748
#1	.2331	.4987	.0715	.6801	2.211	1.403	27.73	1.192	.9116	.0444
#2	.2327	.4984	.0718	.6832	2.216	1.408	27.74	1.194	.9114	.0442

Elem	Zr3391
Units	Cts/S
Avg	2.870
Stddev	.000
%RSD	.0053
#1	2.870
#2	2.869

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1341.7	50982.	18264.
Stddev	1.2	107.	24.
%RSD	.09305	.20940	.13054
#1	1342.5	50907.	18281.
#2	1340.8	51058.	18247.

Zoom In Zoom Out

Sample Name: ICV Acquired: 1/22/2014 17:32:41 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.4836	15.31	2.988	2.987	2.992	3.069	2.972	17.29	2.918	2.822
Stddev	.0016	.00	.001	.007	.001	.007	.013	.13	.003	.004
%RSD	.3346	.0018	.0235	.2215	.0417	.2161	.4256	.7456	.0920	.1554
#1	.4848	15.31	2.988	2.992	2.991	3.064	2.963	17.20	2.920	2.825
#2	.4825	15.31	2.987	2.983	2.993	3.073	2.981	17.38	2.916	2.819

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.942	2.925	17.69	15.29	18.10	2.927	2.787	14.97	2.832	2.869
Stddev	.005	.013	.06	.01	.07	.000	.002	.01	.007	.004
%RSD	.1863	.4456	.3135	.0763	.3603	.0046	.0787	.0431	.2459	.1560
#1	2.938	2.934	17.66	15.30	18.05	2.927	2.785	14.97	2.837	2.872
#2	2.946	2.916	17.73	15.28	18.15	2.928	2.789	14.96	2.827	2.866

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	3.219	3.010	3.367	2.896	2.932	3.117	2.891	2.998	3.000	2.881
Stddev	.007	.009	.002	.003	.003	.006	.007	.034	.004	.003
%RSD	.2123	.2893	.0588	.1012	.1045	.2029	.2320	1.136	.1466	.1014
#1	3.224	3.004	3.369	2.898	2.934	3.121	2.896	2.974	3.003	2.883
#2	3.214	3.016	3.366	2.894	2.930	3.112	2.886	3.022	2.997	2.879

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	2.962	3.330	2.843	2.915
Stddev	.002	.000	.008	.006
%RSD	.0750	.0088	.2698	.2069
#1	2.963	3.330	2.849	2.920
#2	2.960	3.330	2.838	2.911

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1330.6	50296.	18238.
Stddev	1.1	41.	139.
%RSD	.08375	.08093	.76430
#1	1329.9	50267.	18337.
#2	1331.4	50324.	18140.

Zoom In Zoom Out

Sample Name: ICB Acquired: 1/22/2014 17:37:26 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	-.0002	-.0041	-.0004	.0027	.0035	.0004	F.0005	.0019	.0000
Stddev	.0005	.0054	.0008	.0001	.0007	.0001	.0000	.0005	.0001
%RSD	212.8	133.2	196.2	3.034	20.53	22.67	6.654	25.64	198.1
#1	-.0006	-.0079	.0002	.0026	.0040	.0005	.0005	.0015	.0001
#2	.0001	-.0002	-.0010	.0028	.0030	.0003	.0005	.0022	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0002	.0005	.0005	.0038	.0015	.0307	.0005	.0048	.0025
Stddev	.0000	.0004	.0002	.0003	.0067	.0117	.0001	.0012	.0036
%RSD	24.80	76.27	43.44	8.800	451.2	37.91	17.63	24.83	140.1
#1	-.0002	.0002	.0003	.0040	-.0032	.0390	.0004	.0056	.0000
#2	-.0001	.0008	.0006	.0036	.0062	.0225	.0005	.0040	.0050

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0003	.0012	-.0002	.0039	.0000	-.0001	.0004	.0009	.0002
Stddev	.0001	.0008	.0001	.0060	.0005	.0000	.0006	.0007	.0002
%RSD	25.30	68.59	55.96	152.5	6032.	50.53	143.7	71.29	141.3
#1	.0003	.0017	-.0003	-.0003	.0004	-.0001	.0000	.0014	.0003
#2	.0004	.0006	-.0001	.0081	-.0004	-.0001	.0008	.0005	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0006	.0009	.0006	.0002	.0129	-.0006	.0024
Stddev	.0001	.0004	.0004	.0002	.0047	.0001	.0001
%RSD	9.984	42.61	70.93	114.8	36.84	22.97	3.700
#1	.0006	.0006	.0009	.0000	.0162	-.0007	.0025
#2	.0005	.0011	.0003	.0004	.0095	-.0005	.0024

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1341.9	50894.	18123.
Stddev	2.7	93.	74.
%RSD	.19934	.18301	.40737
#1	1340.0	50960.	18176.
#2	1343.8	50828.	18071.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/22/2014 17:42:22 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2440	9.849	1.933	-.0015	1.937	1.968	1.970	9.819	1.950	1.929
Stddev	.0005	.025	.003	.0001	.002	.003	.004	.024	.004	.001
%RSD	.2093	.2497	.1335	7.435	.1165	.1474	.2104	.2462	.2278	.0525
#1	.2437	9.867	1.931	-.0016	1.935	1.970	1.973	9.836	1.947	1.929
#2	.2444	9.832	1.935	-.0014	1.939	1.966	1.967	9.801	1.953	1.930

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.972	1.928	9.934	9.816	9.744	1.960	1.940	9.866	1.937	1.939
Stddev	.009	.001	.041	.018	.060	.009	.007	.005	.002	.001
%RSD	.4471	.0545	.4105	.1840	.6117	.4331	.3555	.0540	.0836	.0662
#1	1.966	1.928	9.963	9.829	9.786	1.954	1.935	9.862	1.936	1.938
#2	1.978	1.929	9.905	9.803	9.702	1.966	1.945	9.870	1.938	1.940

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0003	.0162	-.0023	1.950	1.927	-.0032	1.969	1.970	1.978	1.934
Stddev	.0005	.0012	.0012	.003	.002	.0008	.005	.007	.006	.003
%RSD	139.4	7.470	52.91	.1702	.1208	25.46	.2406	.3419	.3211	.1719
#1	.0000	.0170	-.0032	1.948	1.925	-.0038	1.966	1.965	1.974	1.932
#2	-.0006	.0153	-.0014	1.952	1.929	-.0027	1.972	1.974	1.983	1.937

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.980	.0277	1.933	.0174
Stddev	.004	.0056	.003	.0026
%RSD	.2157	20.09	.1774	15.06
#1	1.977	.0316	1.931	.0192
#2	1.983	.0238	1.936	.0155

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1340.0	50678.	18187.
Stddev	2.1	301.	26.
%RSD	.15481	.59308	.14504
#1	1341.5	50891.	18168.
#2	1338.5	50466.	18205.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/22/2014 17:47:10 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	-.0091	.0002	.0007	.0029	.0001	.0002	-.0024	.0003	.0000
Stddev	.0001	.0055	.0012	.0003	.0003	.0001	.0000	.0034	.0000	.0001
%RSD	68.71	60.30	768.6	43.32	11.69	249.7	15.71	141.1	1.424	948.9
#1	-.0001	-.0052	-.0007	.0005	.0032	.0001	.0002	.0000	.0003	-.0001
#2	-.0003	-.0130	.0010	.0009	.0027	.0000	.0002	-.0048	.0003	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0004	.0016	.0152	.0255	.0001	.0037	.0030	.0004	.0016
Stddev	.0002	.0002	.0005	.0040	.0109	.0000	.0008	.0002	.0001	.0000
%RSD	110.1	47.78	29.58	26.13	42.87	4.104	22.26	6.039	31.15	1.374
#1	.0004	.0006	.0012	.0124	.0178	.0001	.0043	.0032	.0005	.0016
#2	.0000	.0003	.0019	.0180	.0332	.0001	.0031	.0029	.0003	.0016

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0000	.0008	-.0002	.0008	.0011	.0004	.0002	.0002	.0005	.0013
Stddev	.0004	.0047	.0011	.0001	.0001	.0006	.0007	.0000	.0002	.0005
%RSD	1339.	611.7	436.2	16.98	8.454	164.3	399.1	11.33	42.13	34.80
#1	.0003	-.0026	-.0010	.0009	.0011	-.0001	.0007	.0002	.0007	.0016
#2	-.0002	.0041	.0005	.0007	.0012	.0008	-.0003	.0002	.0004	.0010

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0001	.0038	-.0005	.0000
Stddev	.0001	.0044	.0002	.000
%RSD	96.28	116.0	48.07	13810.
#1	.0002	.0069	-.0007	.0001
#2	.0000	.0007	-.0003	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1344.4	51066.	18126.
Stddev	.4	196.	9.
%RSD	.02784	.38470	.05198
#1	1344.1	50927.	18120.
#2	1344.7	51205.	18133.

Zoom In Zoom Out

Sample Name: CRI Acquired: 1/22/2014 17:52:06 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0046	.1905	F.0052	-.0007	.1003	.0503	.0042	4.968	.0042
Stddev	.0006	.0063	.0006	.0005	.0004	.0002	.0001	.005	.0000
%RSD	12.14	3.304	12.06	72.79	.4485	.3959	1.607	.0988	.6410
#1	.0050	.1861	.0057	-.0011	.1006	.0504	.0042	4.965	.0043
#2	.0042	.1950	.0048	-.0004	.1000	.0502	.0043	4.972	.0042

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0494	.0093	.0239	.0975	4.920	4.968	.0151	.1006	5.006
Stddev	.0001	.0008	.0001	.0005	.001	.009	.0001	.0002	.005
%RSD	.1467	8.406	.3281	.4897	.0107	.1788	.5258	.2159	.1048
#1	.0493	.0098	.0240	.0972	4.920	4.974	.0150	.1008	5.010
#2	.0495	.0087	.0239	.0979	4.920	4.962	.0151	.1005	5.002

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0403	.0054	-.0001	.0018	-.0031	.0061	.0100	.0047	.0967
Stddev	.0002	.0002	.0009	.0015	.0006	.0004	.0003	.0013	.0010
%RSD	.3773	3.108	1712.	80.70	20.56	6.414	2.850	27.14	1.001
#1	.0404	.0055	.0006	.0029	-.0027	.0064	.0098	.0056	.0974
#2	.0401	.0053	-.0007	.0008	-.0036	.0059	.0102	.0038	.0960

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.0101	.0507	.0052	.0104	.0005	.0195	.0004
Stddev	.0000	.0002	.0005	.0008	.0014	.0001	.0001
%RSD	.0243	.3414	9.297	7.597	270.9	.2655	37.06
#1	.0101	.0506	.0048	.0098	-.0005	.0195	.0004
#2	.0101	.0508	.0055	.0109	.0015	.0195	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1345.1	50955.	18116.
Stddev	.6	12.	91.
%RSD	.04159	.02258	.50151
#1	1344.7	50947.	18180.
#2	1345.5	50963.	18051.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 1/22/2014 17:57:01 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	517.3	-.0001	.0030	.0022	-.0004	.0000	447.0	.0002	.0015
Stddev	.0002	2.8	.0012	.0001	.0006	.0000	.000	.8	.0000	.0001
%RSD	58.12	.5424	1977.	4.780	28.27	8.582	199.4	.1683	17.08	6.592
#1	.0006	519.2	.0008	.0029	.0026	-.0005	.0000	447.6	.0002	.0015
#2	.0002	515.3	-.0009	.0031	.0017	-.0004	.0000	446.5	.0003	.0014

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0005	-.0005	180.5	-.0712	525.1	.0001	.0006	.0267	.0009	.0000
Stddev	.0004	.0002	.4	.0000	.3	.0002	.0002	.0074	.0000	.0007
%RSD	79.53	45.92	.2120	.0576	.0645	177.1	26.45	27.64	.2823	33960.
#1	-.0007	-.0007	180.8	-.0712	525.3	.0000	.0007	.0214	.0009	.0005
#2	-.0002	-.0003	180.2	-.0712	524.8	.0002	.0005	.0319	.0009	-.0005

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0379	-.0262	.1201	.0011	-.0015	.0489	.0017	-.0083	.0054	.0018
Stddev	.0002	.0014	.0031	.0003	.0021	.0013	.0015	.0000	.0002	.0019
%RSD	.5485	5.352	2.579	26.68	137.7	2.679	90.13	.3311	3.906	101.9
#1	-.0378	-.0272	.1223	.0013	.0000	.0480	.0028	-.0084	.0056	.0032
#2	-.0381	-.0252	.1179	.0009	-.0030	.0498	.0006	-.0083	.0053	.0005

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0017	-.0399	-.0003	.0042
Stddev	.0002	.0100	.0002	.0003
%RSD	12.71	25.18	50.11	7.171
#1	-.0018	-.0328	-.0004	.0044
#2	-.0015	-.0470	-.0002	.0040

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1220.1	47238.	17790.
Stddev	2.5	236.	12.
%RSD	.20165	.49895	.06884
#1	1218.4	47071.	17782.
#2	1221.9	47404.	17799.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 1/22/2014 18:02:03 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	1.042	523.3	2.136	.5049	1.027	.5092	.4776	452.9	1.038	.4702
Stddev	.002	3.2	.001	.0004	.002	.0001	.0017	3.8	.000	.0002
%RSD	.1530	.6130	.0513	.0734	.1675	.0144	.3560	.8298	.0406	.0344
#1	1.041	525.6	2.135	.5046	1.028	.5092	.4788	455.6	1.037	.4703
#2	1.043	521.1	2.137	.5051	1.026	.5091	.4764	450.3	1.038	.4701

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4825	.5371	181.0	-.0256	531.8	.4905	.9430	.0715	.8839	.9221
Stddev	.0018	.0002	.2	.0147	2.0	.0010	.0017	.0033	.0012	.0008
%RSD	.3826	.0367	.0930	57.48	.3775	.2075	.1783	4.647	.1389	.0820
#1	.4838	.5369	181.1	-.0152	533.2	.4912	.9418	.0692	.8848	.9226
#2	.4812	.5372	180.8	-.0360	530.4	.4898	.9442	.0739	.8831	.9215

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.5562	.4979	.6928	2.082	2.019	2.323	.9751	.9775	.5164	1.846
Stddev	.0003	.0057	.0012	.008	.004	.002	.0026	.0003	.0020	.002
%RSD	.0559	1.135	.1714	.4007	.2108	.0740	.2658	.0257	.3808	.1101
#1	.5560	.4939	.6937	2.077	2.022	2.322	.9770	.9777	.5151	1.848
#2	.5564	.5019	.6920	2.088	2.016	2.324	.9733	.9774	.5178	1.845

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5109	2.147	.9068	.3621
Stddev	.0012	.026	.0008	.0034
%RSD	.2295	1.208	.0925	.9345
#1	.5117	2.129	.9074	.3597
#2	.5101	2.165	.9062	.3645

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1213.9	47247.	17781.
Stddev	.4	21.	69.
%RSD	.03478	.04403	.38901
#1	1213.6	47232.	17732.
#2	1214.2	47261.	17830.

Zoom In Zoom Out

Sample Name: MP22410-B1 Acquired: 1/22/2014 18:06:54 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1986	2.185	.5318	.0002	.0034	2.062	.5144	24.68	.5108	.4944
Stddev	.0030	.008	.0003	.0002	.0005	.014	.0036	.08	.0007	.0004
%RSD	1.504	.3668	.0646	111.9	14.05	.6952	.7038	.3380	.1329	.0828
#1	.1964	2.191	.5320	.0000	.0030	2.052	.5119	24.62	.5113	.4947
#2	.2007	2.179	.5316	.0003	.0037	2.072	.5170	24.74	.5104	.4941

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4999	.4858	2.085	25.43	26.13	.4911	.0023	25.77	.4885	.9957
Stddev	.0099	.0109	.003	.13	.21	.0085	.0005	.23	.0009	.0042
%RSD	1.973	2.251	.1397	.5125	.7855	1.730	20.91	.8974	.1869	.4238
#1	.4929	.4781	2.083	25.34	25.98	.4851	.0026	25.61	.4892	.9986
#2	.5068	.4935	2.087	25.52	26.27	.4971	.0020	25.93	.4879	.9927

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0010	.0038	.0059	.5116	.5038	.0317	-.0017	.5051	.4982	.4910
Stddev	.0009	.0021	.0004	.0012	.0008	.0007	.0005	.0036	.0085	.0018
%RSD	93.80	57.18	6.200	.2304	.1616	2.174	30.60	.7149	1.710	.3652
#1	.0016	.0022	.0056	.5108	.5033	.0322	-.0021	.5025	.4922	.4897
#2	.0003	.0053	.0062	.5125	.5044	.0312	-.0014	.5077	.5042	.4922

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5191	.0189	.5111	.0599
Stddev	.0095	.0072	.0006	.0055
%RSD	1.828	38.16	.1130	9.194
#1	.5123	.0138	.5115	.0638
#2	.5258	.0240	.5107	.0560

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1314.5	51010.	17875.
Stddev	1.8	524.	3.
%RSD	.13886	1.0263	.01606
#1	1313.2	51380.	17873.
#2	1315.8	50640.	17877.

Zoom In Zoom Out

Sample Name: MP22410-MB1 Acquired: 1/22/2014 18:11:41 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0000	.0214	.0001	.0001	.0012	.0001	.0000	.0351	.0001	-.0001
Stddev	.0004	.0041	.0006	.0004	.0004	.0001	.0000	.0011	.0001	.0000
%RSD	3573.	19.33	587.3	370.6	35.71	71.35	158.8	3.010	47.34	.1332
#1	-.0003	.0243	-.0003	.0004	.0015	.0002	.0000	.0358	.0001	-.0001
#2	.0003	.0185	.0006	-.0002	.0009	.0001	.0001	.0344	.0001	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0009	.0005	.0152	.0290	.0539	.0001	.0006	.0180	-.0002	.0004
Stddev	.0002	.0000	.0044	.0187	.0244	.0000	.0001	.0032	.0001	.0004
%RSD	18.93	9.957	28.92	64.72	45.24	15.79	17.59	17.85	24.11	100.5
#1	-.0007	.0005	.0184	.0157	.0712	.0001	.0007	.0203	-.0002	.0001
#2	-.0010	.0005	.0121	.0422	.0367	.0001	.0005	.0158	-.0003	.0007

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0007	.0018	.0040	.0010	.0014	.0340	.0001	.0001	.0002	-.0015
Stddev	.0005	.0044	.0008	.0004	.0001	.0003	.0004	.0000	.0002	.0011
%RSD	74.22	236.2	21.26	43.71	7.406	.9082	305.3	54.96	70.93	74.40
#1	-.0003	-.0012	.0034	.0013	.0014	.0338	-.0002	.0001	.0004	-.0023
#2	-.0011	.0049	.0046	.0007	.0015	.0342	.0004	.0000	.0001	-.0007

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0001	.0095	.0014	.0002
Stddev	.0002	.0098	.0001	.0007
%RSD	158.1	103.7	6.112	299.1
#1	.0000	.0164	.0014	-.0003
#2	-.0002	.0025	.0015	.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1329.4	50709.	18176.
Stddev	.3	492.	31.
%RSD	.01932	.97010	.17066
#1	1329.2	51057.	18198.
#2	1329.6	50361.	18155.

Zoom In Zoom Out

Sample Name: MP22410-S1 Acquired: 1/22/2014 18:16:36 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2026	2.112	.5403	-.0012	.2327	2.190	.5059	100.1	.5178	.4944
Stddev	.0027	.009	.0007	.0003	.0008	.006	.0007	.6	.0005	.0000
%RSD	1.339	.4451	.1222	26.25	.3354	.2742	.1335	.5984	.0926	.0050
#1	.2006	2.119	.5398	-.0014	.2321	2.194	.5054	99.64	.5181	.4944
#2	.2045	2.106	.5407	-.0010	.2332	2.186	.5064	100.5	.5175	.4944

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4994	.4987	2.348	29.75	32.71	.7757	.0030	73.95	.4865	.9910
Stddev	.0018	.0004	.002	.09	.13	.0036	.0000	.12	.0004	.0008
%RSD	.3541	.0734	.0625	.3033	.4012	.4579	1.660	.1566	.0747	.0820
#1	.4981	.4985	2.347	29.81	32.62	.7732	.0030	74.03	.4862	.9905
#2	.5006	.4990	2.349	29.69	32.81	.7782	.0030	73.87	.4868	.9916

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0030	.0086	13.05	.5200	.5069	6.361	-.0019	.8999	.5052	.4872
Stddev	.0003	.0003	.02	.0011	.0017	.002	.0004	.0017	.0002	.0002
%RSD	8.530	3.453	.1646	.2050	.3432	.0328	21.48	.1836	.0483	.0459
#1	-.0028	.0084	13.04	.5208	.5056	6.360	-.0016	.9011	.5054	.4870
#2	-.0032	.0088	13.07	.5193	.5081	6.363	-.0021	.8987	.5050	.4874

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5261	.0018	.5129	-.0027
Stddev	.0016	.0023	.0006	.0001
%RSD	.3055	127.9	.1182	4.353
#1	.5249	.0002	.5125	-.0027
#2	.5272	.0034	.5133	-.0028

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1288.5	49828.	18048.
Stddev	.4	208.	171.
%RSD	.02965	.41777	.94965
#1	1288.7	49975.	18169.
#2	1288.2	49680.	17927.

Zoom In Zoom Out

Sample Name: MP22410-S2 Acquired: 1/22/2014 18:21:22 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2051	2.133	.5430	-.0025	.2335	2.202	.5117	100.8	.5195	.4980
Stddev	.0006	.002	.0017	.0000	.0011	.003	.0012	.5	.0016	.0002
%RSD	.3041	.0961	.3111	.4605	.4914	.1392	.2431	.5411	.3023	.0473
#1	.2055	2.134	.5418	-.0025	.2327	2.205	.5126	101.2	.5184	.4978
#2	.2046	2.131	.5442	-.0025	.2343	2.200	.5108	100.4	.5206	.4982

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5026	.4988	2.388	29.69	32.93	.7805	.0030	73.98	.4902	.9984
Stddev	.0009	.0022	.009	.09	.14	.0006	.0001	.03	.0018	.0005
%RSD	.1833	.4471	.3885	.3024	.4325	.0755	1.662	.0392	.3672	.0501
#1	.5033	.5004	2.394	29.76	33.03	.7801	.0030	74.00	.4890	.9988
#2	.5020	.4972	2.381	29.63	32.82	.7809	.0031	73.96	.4915	.9981

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0038	.0015	13.08	.5229	.5123	6.370	-.0021	.9058	.5067	.4912
Stddev	.0005	.0034	.06	.0011	.0002	.018	.0004	.0008	.0013	.0030
%RSD	14.14	228.3	.4449	.2158	.0379	.2811	20.55	.0900	.2550	.6136
#1	-.0034	-.0009	13.03	.5237	.5125	6.357	-.0024	.9064	.5076	.4891
#2	-.0041	.0039	13.12	.5221	.5122	6.383	-.0018	.9052	.5058	.4934

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5288	.0043	.5174	-.0088
Stddev	.0007	.0058	.0021	.0000
%RSD	.1404	135.4	.4080	.2696
#1	.5294	.0084	.5159	-.0088
#2	.5283	.0002	.5189	-.0088

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1293.6	49879.	17911.
Stddev	3.0	84.	128.
%RSD	.23199	.16787	.71487
#1	1295.7	49938.	17820.
#2	1291.5	49820.	18001.

Zoom In Zoom Out

Sample Name: MC27747-7 Acquired: 1/22/2014 18:26:07 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	-.0078	.0013	-.0008	.2314	.1438	.0001	76.34	-.0001	-.0008
Stddev	.0002	.0009	.0006	.0019	.0003	.0002	.0001	.04	.0001	.0003
%RSD	160.4	11.06	46.36	249.9	.1348	.1244	53.40	.0515	86.55	32.32
#1	.0003	-.0072	.0018	-.0021	.2312	.1436	.0001	76.32	.0000	-.0006
#2	.0000	-.0084	.0009	.0006	.2316	.1439	.0001	76.37	-.0001	-.0010

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0002	.0015	.3516	4.247	7.034	.2811	.0028	48.15	.0002	-.0006
Stddev	.0012	.0000	.0009	.021	.010	.0009	.0001	.18	.0002	.0000
%RSD	513.4	2.795	.2483	.4847	.1472	.3315	3.130	.3655	131.2	6.642
#1	.0006	.0015	.3522	4.233	7.027	.2817	.0029	48.02	.0000	-.0006
#2	-.0010	.0015	.3509	4.262	7.042	.2804	.0027	48.27	.0003	-.0007

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0016	-.0019	13.01	.0009	.0030	6.299	-.0005	.3991	.0012	-.0003
Stddev	.0009	.0035	.01	.0009	.0013	.006	.0002	.0004	.0005	.0017
%RSD	58.71	183.1	.0622	104.6	44.30	.1003	34.25	.1099	42.70	531.3
#1	-.0009	-.0043	13.00	.0016	.0020	6.295	-.0004	.3988	.0016	.0009
#2	-.0022	.0006	13.01	.0002	.0039	6.304	-.0006	.3994	.0009	-.0016

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0004	.0006	.0074	-.0133
Stddev	.0001	.0062	.0004	.0002
%RSD	19.82	1101.	5.627	1.857
#1	.0004	.0050	.0077	-.0132
#2	.0005	-.0038	.0071	-.0135

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1306.7	50792.	18110.
Stddev	1.4	132.	29.
%RSD	.10460	.26054	.15828
#1	1307.7	50698.	18130.
#2	1305.8	50885.	18089.

Zoom In Zoom Out

Sample Name: MP22410-SD1 Acquired: 1/22/2014 18:30:59 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0016	-.0295	-.0043	-.0026	.2375	.1448	-.0001	78.16	-.0001	-.0017
Stddev	.0028	.0271	.0055	.0031	.0010	.0005	.0001	.32	.0007	.0008
%RSD	182.3	91.72	127.4	116.4	.4324	.3530	114.4	.4125	492.1	46.36
#1	.0036	-.0487	-.0004	-.0048	.2367	.1444	.0000	78.39	-.0007	-.0023
#2	-.0005	-.0104	-.0081	-.0005	.2382	.1451	-.0001	77.93	.0004	-.0012

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0019	.0021	.3521	4.331	7.305	.2881	.0033	48.74	.0014	-.0050
Stddev	.0019	.0011	.0100	.100	.039	.0001	.0001	.02	.0003	.0072
%RSD	99.13	54.81	2.852	2.312	.5297	.0297	3.823	.0494	19.54	143.4
#1	-.0033	.0013	.3450	4.402	7.332	.2881	.0034	48.76	.0012	.0001
#2	-.0006	.0029	.3592	4.260	7.277	.2882	.0032	48.73	.0017	-.0100

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0017	.0279	13.14	-.0018	.0035	6.378	-.0028	.4042	.0010	-.0014
Stddev	.0052	.0073	.01	.0015	.0005	.005	.0045	.0001	.0009	.0050
%RSD	306.1	26.25	.0712	83.76	15.60	.0759	162.2	.0367	90.85	350.0
#1	.0053	.0330	13.15	-.0029	.0031	6.382	.0004	.4043	.0004	.0021
#2	-.0020	.0227	13.14	-.0007	.0038	6.375	-.0060	.4041	.0017	-.0049

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0005	.0151	.0125	-.0147
Stddev	.0002	.0012	.0005	.0007
%RSD	55.03	7.830	4.068	4.999
#1	.0006	.0160	.0129	-.0142
#2	.0003	.0143	.0122	-.0152

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1337.2	51418.	18186.
Stddev	.7	61.	132.
%RSD	.05053	.11926	.72731
#1	1337.6	51375.	18092.
#2	1336.7	51461.	18279.

Zoom In Zoom Out

Sample Name: MP22410-B2 Acquired: 1/22/2014 18:35:52 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.1964	2.105	.5355	-.0006	.0027	2.034	.5129	24.25	.5099	.4990
Stddev	.0013	.001	.0012	.0009	.0000	.004	.0005	.05	.0007	.0004
%RSD	.6683	.0672	.2225	165.9	1.576	.2016	.0994	.1899	.1373	.0883
#1	.1955	2.106	.5347	.0001	.0028	2.037	.5126	24.21	.5094	.4987
#2	.1974	2.104	.5363	-.0012	.0027	2.032	.5133	24.28	.5104	.4993

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.5041	.4828	2.054	24.91	25.82	.4946	.0002	25.57	.4979	1.005
Stddev	.0031	.0004	.004	.00	.15	.0011	.0002	.02	.0003	.000
%RSD	.6216	.0745	.2087	.0185	.5689	.2292	82.13	.0726	.0653	.0446
#1	.5019	.4826	2.051	24.91	25.71	.4938	.0001	25.56	.4977	1.006
#2	.5063	.4831	2.057	24.90	25.92	.4955	.0003	25.59	.4981	1.005

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0001	.0011	.0094	.5166	.5106	.0308	-.0015	.4996	.4954	.4906
Stddev	.0012	.0012	.0022	.0003	.0031	.0004	.0008	.0011	.0005	.0012
%RSD	975.5	116.0	23.58	.0662	.6041	1.167	53.48	.2114	.0954	.2360
#1	-.0010	.0019	.0110	.5163	.5084	.0311	-.0021	.5003	.4958	.4914
#2	.0007	.0002	.0079	.5168	.5128	.0305	-.0010	.4989	.4951	.4898

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.5131	.0106	.5164	.0018
Stddev	.0008	.0098	.0005	.0002
%RSD	.1583	92.93	.0987	8.829
#1	.5125	.0036	.5167	.0017
#2	.5136	.0175	.5160	.0019

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1320.5	51382.	18275.
Stddev	.9	16.	97.
%RSD	.06994	.03066	.52894
#1	1321.2	51393.	18343.
#2	1319.9	51370.	18206.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/22/2014 18:40:38 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2373	9.915	1.967	-.0020	1.946	1.961	2.000	9.802	1.955	1.955
Stddev	.0008	.000	.004	.0003	.001	.001	.001	.009	.000	.003
%RSD	.3518	.0027	.1895	14.00	.0352	.0676	.0480	.0904	.0207	.1550
#1	.2367	9.915	1.964	-.0018	1.946	1.962	2.001	9.808	1.955	1.953
#2	.2379	9.915	1.970	-.0022	1.947	1.961	1.999	9.796	1.955	1.958

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.002	1.920	10.10	9.807	9.888	1.961	1.967	9.996	1.992	1.964
Stddev	.003	.004	.01	.024	.063	.002	.005	.013	.003	.001
%RSD	.1407	.1850	.0603	.2411	.6356	.0873	.2508	.1323	.1333	.0562
#1	2.004	1.922	10.10	9.824	9.844	1.960	1.963	10.01	1.990	1.964
#2	2.000	1.917	10.10	9.791	9.933	1.963	1.970	9.987	1.994	1.963

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0006	.0141	-.0029	1.981	1.979	.0002	1.965	1.980	1.951	1.945
Stddev	.0014	.0004	.0009	.001	.007	.0003	.001	.033	.001	.001
%RSD	229.4	2.913	32.70	.0593	.3691	151.0	.0233	1.640	.0288	.0587
#1	.0004	.0138	-.0036	1.980	1.974	.0004	1.965	1.957	1.952	1.944
#2	-.0017	.0144	-.0022	1.982	1.985	.0000	1.964	2.003	1.951	1.946

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.934	.0133	1.957	-.0003
Stddev	.002	.0021	.003	.0007
%RSD	.1197	16.15	.1294	230.9
#1	1.935	.0118	1.955	.0002
#2	1.932	.0148	1.959	-.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1332.4	51467.	18312.
Stddev	.3	199.	2.
%RSD	.02060	.38603	.01142
#1	1332.6	51608.	18314.
#2	1332.2	51327.	18311.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/22/2014 18:45:28 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	-.0099	.0000	-.0003	.0019	-.0003	.0001	.0041	.0002	-.0001
Stddev	.0004	.0029	.0003	.0010	.0001	.0000	.0000	.0001	.0001	.0002
%RSD	356.2	29.21	1552.	319.6	7.779	19.15	16.07	3.356	57.74	188.4
#1	-.0002	-.0079	.0002	-.0010	.0020	-.0002	.0001	.0042	.0001	-.0002
#2	.0004	-.0120	-.0002	.0004	.0018	-.0003	.0001	.0040	.0003	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0003	.0009	.0018	.0125	.0277	.0000	.0031	.0174	.0004	.0006
Stddev	.0008	.0005	.0011	.0144	.0081	.0000	.0007	.0000	.0000	.0008
%RSD	275.0	53.24	60.94	115.3	29.11	48.56	21.89	.1944	11.09	126.8
#1	.0009	.0012	.0026	.0227	.0220	.0000	.0035	.0175	.0004	.0011
#2	-.0003	.0006	.0010	.0023	.0335	.0000	.0026	.0174	.0005	.0001

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0005	.0021	.0006	.0003	.0009	.0012	-.0004	.0001	.0004	.0009
Stddev	.0010	.0026	.0011	.0006	.0001	.0001	.0003	.0001	.0000	.0003
%RSD	200.8	120.5	178.2	197.0	10.34	4.335	88.35	57.52	7.242	34.77
#1	-.0002	.0039	.0014	-.0001	.0008	.0012	-.0001	.0002	.0005	.0011
#2	.0012	.0003	-.0002	.0008	.0010	.0013	-.0006	.0001	.0004	.0007

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0004	-.0003	-.0005	-.0004
Stddev	.0000	.0012	.0001	.0003
%RSD	11.30	399.0	17.71	70.41
#1	-.0003	-.0011	-.0004	-.0006
#2	-.0004	.0005	-.0006	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1333.4	51911.	18209.
Stddev	1.0	323.	5.
%RSD	.07602	.62160	.02957
#1	1332.7	52139.	18205.
#2	1334.1	51683.	18212.

Zoom In Zoom Out

Sample Name: MC27747-1 Acquired: 1/22/2014 18:50:24 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0006	-.0001	-.0005	-.0019	.1317	.1223	.0000	62.08	-.0001	-.0006
Stddev	.0005	.0016	.0009	.0007	.0006	.0001	.000	.42	.0002	.0002
%RSD	79.69	1267.	178.4	34.01	.4460	.1102	163.1	.6695	102.8	30.18
#1	.0009	.0010	-.0012	-.0024	.1321	.1224	-.0001	62.37	-.0003	-.0008
#2	.0003	-.0012	.0001	-.0015	.1312	.1222	.0000	61.78	.0000	-.0005

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0010	.0015	.0057	3.463	4.677	.0014	.0013	38.31	.0009	-.0006
Stddev	.0006	.0003	.0002	.012	.006	.0001	.0001	.05	.0001	.0011
%RSD	58.70	21.89	2.973	.3419	.1239	4.690	4.870	.1417	11.11	177.7
#1	.0015	.0013	.0058	3.471	4.672	.0014	.0013	38.35	.0010	-.0013
#2	.0006	.0017	.0055	3.454	4.681	.0013	.0012	38.27	.0008	.0002

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0015	.0015	15.65	.0000	.0032	6.682	-.0005	.2585	.0006	-.0012
Stddev	.0005	.0044	.03	.001	.0003	.016	.0000	.0002	.0000	.0004
%RSD	31.83	286.1	.1762	1321.	10.27	.2421	8.313	.0918	6.729	32.60
#1	-.0018	.0046	15.63	.0004	.0034	6.671	-.0005	.2586	.0006	-.0009
#2	-.0012	-.0016	15.67	-.0004	.0030	6.694	-.0006	.2583	.0006	-.0015

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0029	-.0057	.0071	-.0143
Stddev	.0006	.0038	.0002	.0003
%RSD	20.24	66.81	2.122	1.875
#1	.0025	-.0083	.0070	-.0141
#2	.0033	-.0030	.0072	-.0145

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1296.3	50976.	18205.
Stddev	1.8	65.	267.
%RSD	.14072	.12789	1.4693
#1	1297.6	51022.	18016.
#2	1295.0	50930.	18394.

Zoom In Zoom Out

Sample Name: MC27747-3 Acquired: 1/22/2014 18:55:19 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0004	.0153	-.0006	-.0016	.2237	.0730	-.0001	55.09	.0000
Stddev	.0001	.0061	.0008	.0001	.0010	.0001	.0000	.04	.0002
%RSD	21.96	39.73	142.2	3.358	.4494	.0965	28.46	.0724	641.1
#1	.0005	.0110	-.0012	-.0016	.2244	.0730	-.0001	55.06	.0002
#2	.0003	.0196	.0000	-.0016	.2230	.0729	-.0001	55.12	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0006	.0006	.0018	.0989	2.768	11.89	.0256	.0008	27.33
Stddev	.0000	.0004	.0004	.0002	.010	.07	.0001	.0000	.05
%RSD	5.614	63.07	20.99	.2294	.3529	.5480	.2752	2.114	.1859
#1	-.0006	.0004	.0016	.0991	2.761	11.84	.0256	.0008	27.29
#2	-.0005	.0009	.0021	.0987	2.775	11.94	.0255	.0007	27.37

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0002	-.0008	-.0008	.0055	F21.72	.0009	.0029	4.320	-.0002
Stddev	.0000	.0004	.0004	.0026	.00	.0004	.0000	.001	.0000
%RSD	23.59	49.06	57.06	47.93	.0119	41.10	.6818	.0229	23.28
#1	-.0002	-.0011	-.0005	.0073	21.72	.0006	.0029	4.320	-.0002
#2	-.0001	-.0005	-.0011	.0036	21.72	.0011	.0029	4.321	-.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.2239	.0008	-.0014	.0019	-.0007	.0111	-.0097
Stddev	.0004	.0003	.0015	.0008	.0029	.0000	.0002
%RSD	.1902	30.05	108.5	41.13	395.0	.1212	2.318
#1	.2236	.0007	-.0003	.0025	-.0027	.0111	-.0096
#2	.2242	.0010	-.0024	.0014	.0013	.0111	-.0099

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1290.7	51511.	18142.
Stddev	1.2	17.	52.
%RSD	.09591	.03267	.28525
#1	1289.9	51523.	18179.
#2	1291.6	51499.	18106.

Zoom In Zoom Out

Sample Name: MC27747-5 Acquired: 1/22/2014 19:00:13 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0000	.0033	-.0004	-.0015	.4782	.0327	-.0001	94.68	.0000
Stddev	.0000	.0022	.0001	.0011	.0010	.0001	.0000	.31	.000
%RSD	1843.	65.57	34.11	69.42	.2179	.3239	34.59	.3318	9.576
#1	.0000	.0049	-.0004	-.0008	.4789	.0326	-.0001	94.46	.0000
#2	.0000	.0018	-.0003	-.0023	.4775	.0328	-.0001	94.90	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0009	.0004	.0019	.0880	.3282	9.067	.0075	.0006	73.22
Stddev	.0001	.0001	.0003	.0027	.0367	.062	.0001	.0002	.41
%RSD	6.143	24.73	15.37	3.101	11.18	.6875	1.767	37.70	.5588
#1	-.0009	.0003	.0021	.0899	.3023	9.023	.0074	.0008	72.93
#2	-.0009	.0005	.0017	.0860	.3542	9.111	.0076	.0005	73.50

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0001	-.0006	-.0031	.0021	F41.68	.0002	.0021	3.135	-.0012
Stddev	.0000	.0002	.0003	.0001	.13	.0001	.0014	.013	.0000
%RSD	32.78	34.57	9.810	2.447	.3036	40.15	67.53	.4093	.1910
#1	-.0001	-.0008	-.0033	.0021	41.77	.0003	.0011	3.144	-.0012
#2	-.0002	-.0005	-.0028	.0020	41.59	.0002	.0032	3.126	-.0012

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.3000	.0015	-.0014	.0001	-.0023	.0084	-.0070
Stddev	.0014	.0002	.0002	.0003	.0040	.0003	.0001
%RSD	.4553	10.30	13.24	299.5	168.7	2.993	.9167
#1	.2990	.0017	-.0015	.0003	-.0051	.0086	-.0071
#2	.3010	.0014	-.0012	-.0001	.0005	.0082	-.0070

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1276.2	51195.	17945.
Stddev	3.5	68.	17.
%RSD	.27124	.13262	.09645
#1	1273.7	51147.	17957.
#2	1278.6	51243.	17933.

Zoom In Zoom Out

Sample Name: MC27747-6 Acquired: 1/22/2014 19:05:06 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0001	.1865	.0002	-.0012	.3649	.0808	.0000	44.16	.0000
Stddev	.0001	.0114	.0024	.0000	.0006	.0005	.000	.08	.000
%RSD	54.57	6.134	1409.	1.058	.1548	.5917	.3381	.1861	36.47
#1	.0002	.1785	.0019	-.0011	.3645	.0811	.0000	44.10	.0000
#2	.0001	.1946	-.0015	-.0012	.3653	.0805	.0000	44.21	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0002	.0006	.0023	.4624	3.840	8.685	.0721	.0008	115.8
Stddev	.0001	.0004	.0001	.0003	.007	.056	.0001	.0001	.5
%RSD	28.45	66.13	5.280	.0610	.1781	.6430	.1961	12.26	.4017
#1	-.0002	.0009	.0022	.4626	3.845	8.646	.0722	.0009	116.1
#2	-.0002	.0003	.0023	.4622	3.836	8.725	.0720	.0007	115.5

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0000	-.0007	-.0014	.0013	F49.86	-.0004	.0002	3.012	-.0010
Stddev	.0001	.0002	.0004	.0004	.00	.0006	.0005	.000	.0001
%RSD	132.9	32.05	29.30	27.54	.0091	131.8	210.0	.0015	7.405
#1	.0000	-.0008	-.0017	.0016	49.85	.0000	.0006	3.012	-.0009
#2	.0001	-.0005	-.0011	.0011	49.86	-.0008	-.0001	3.012	-.0010

Elem	Sr4077	Ti3349	TI1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.1283	.0083	-.0011	.0038	-.0054	.0103	-.0064
Stddev	.0004	.0006	.0001	.0001	.0018	.0003	.0001
%RSD	.3064	7.690	12.94	2.427	34.10	2.884	2.233
#1	.1286	.0087	-.0012	.0039	-.0041	.0101	-.0063
#2	.1280	.0078	-.0010	.0038	-.0067	.0105	-.0065

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1283.7	50946.	18048.
Stddev	1.0	253.	103.
%RSD	.07483	.49624	.56860
#1	1284.4	50767.	18121.
#2	1283.0	51125.	17976.

Zoom In Zoom Out

Sample Name: MC27747-9 Acquired: 1/22/2014 19:09:59 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0001	.1563	.0012	-.0024	.2508	.0755	.0000	101.0	.0000
Stddev	.0002	.0008	.0007	.0013	.0007	.0002	.000	.3	.000
%RSD	390.8	.4910	59.23	54.46	.2871	.2167	1090.	.2494	819.0
#1	.0002	.1557	.0017	-.0033	.2503	.0754	.0000	101.2	-.0001
#2	-.0001	.1568	.0007	-.0015	.2513	.0756	-.0001	100.9	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0027	.0006	.0025	1.877	3.764	11.85	.9419	.0006	16.55
Stddev	.0001	.0002	.0000	.004	.017	.03	.0023	.0001	.05
%RSD	2.202	28.96	.0965	.1847	.4374	.2374	.2462	14.17	.3062
#1	.0027	.0004	.0025	1.879	3.776	11.83	.9435	.0007	16.58
#2	.0027	.0007	.0025	1.874	3.752	11.87	.9402	.0005	16.51

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0008	-.0006	-.0024	.0089	F33.29	.0003	.0024	4.439	-.0006
Stddev	.0004	.0006	.0006	.0021	.03	.0003	.0005	.001	.0007
%RSD	55.54	95.79	25.13	23.59	.0833	87.59	19.86	.0176	122.1
#1	.0011	-.0002	-.0020	.0104	33.31	.0006	.0020	4.438	-.0001
#2	.0005	-.0010	-.0029	.0074	33.27	.0001	.0027	4.440	-.0011

Elem	Sr4077	Ti3349	TI1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.3799	.0067	-.0022	.0020	.0037	.0077	-.0098
Stddev	.0011	.0003	.0003	.0004	.0037	.0001	.0001
%RSD	.2814	3.998	14.12	18.02	100.1	.7082	1.124
#1	.3806	.0069	-.0025	.0023	.0011	.0077	-.0097
#2	.3791	.0065	-.0020	.0018	.0064	.0076	-.0099

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1282.1	51194.	18057.
Stddev	.1	94.	58.
%RSD	.00630	.18373	.32117
#1	1282.1	51128.	18016.
#2	1282.2	51261.	18098.

Zoom In Zoom Out

Sample Name: MC27747-13 Acquired: 1/22/2014 19:14:53 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0005	.0722	.0006	-.0010	.4586	.0445	-.0001	42.40	-.0001
Stddev	.0003	.0046	.0008	.0009	.0007	.0003	.0001	.02	.0001
%RSD	65.21	6.439	134.1	93.76	.1443	.6604	84.95	.0388	120.9
#1	.0007	.0689	.0000	-.0003	.4581	.0443	.0000	42.41	.0000
#2	.0003	.0755	.0011	-.0016	.4591	.0447	-.0001	42.39	-.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	-.0008	.0006	.0015	.0492	1.681	6.383	.0122	.0002	89.64
Stddev	.0002	.0002	.0003	.0008	.027	.018	.0000	.0001	.62
%RSD	24.12	31.50	19.87	1.530	1.583	.2750	.3363	37.89	.6927
#1	-.0009	.0005	.0013	.0487	1.662	6.395	.0122	.0003	89.20
#2	-.0006	.0008	.0017	.0497	1.700	6.370	.0122	.0002	90.08

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	-.0002	.0001	-.0007	.0004	F54.12	.0009	.0006	4.576	-.0003
Stddev	.0002	.0012	.0002	.0012	.00	.0010	.0007	.003	.0000
%RSD	84.20	1060.	25.68	279.7	.0076	109.1	115.4	.0682	13.05
#1	-.0001	-.0007	-.0005	.0013	54.12	.0016	.0001	4.574	-.0003
#2	-.0004	.0010	-.0008	-.0004	54.12	.0002	.0011	4.578	-.0004

Elem	Sr4077	Ti3349	TI1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.1625	.0017	-.0020	.0001	-.0016	.0162	-.0101
Stddev	.0010	.0003	.0001	.0004	.0092	.0000	.0001
%RSD	.5962	19.89	4.712	542.0	565.1	.0347	.5394
#1	.1618	.0019	-.0021	.0004	-.0081	.0162	-.0100
#2	.1632	.0014	-.0019	-.0002	.0049	.0162	-.0101

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1284.6	50939.	18069.
Stddev	2.6	69.	88.
%RSD	.20173	.13545	.48896
#1	1282.8	50890.	18007.
#2	1286.4	50988.	18132.

Zoom In Zoom Out

Sample Name: MC27747-16 Acquired: 1/22/2014 19:19:46 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	.0814	.0010	-.0015	.0712	.1087	-.0001	69.70	.0000	-.0007
Stddev	.0000	.0068	.0006	.0003	.0007	.0005	.0000	.05	.000	.0001
%RSD	33.85	8.310	62.58	17.27	.9747	.4233	26.20	.0725	663.5	17.76
#1	.0001	.0862	.0015	-.0017	.0708	.1090	-.0001	69.66	.0001	-.0008
#2	.0001	.0766	.0006	-.0013	.0717	.1083	-.0001	69.73	-.0001	-.0006

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0009	.0019	.0908	1.687	4.855	.0057	.0004	32.91	.0005	-.0010
Stddev	.0004	.0002	.0032	.001	.054	.0000	.0000	.05	.0001	.0000
%RSD	46.35	9.726	3.515	.0348	1.103	.4537	11.14	.1408	16.83	1.477
#1	.0006	.0017	.0886	1.688	4.817	.0057	.0004	32.95	.0005	-.0010
#2	.0012	.0020	.0931	1.687	4.893	.0057	.0004	32.88	.0004	-.0010

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	TI1908
Avg	-.0022	-.0016	11.29	.0013	.0013	9.688	.0003	.4956	.0037	-.0022
Stddev	.0000	.0031	.01	.0011	.0013	.004	.0006	.0009	.0003	.0011
%RSD	1.983	191.4	.0659	81.09	93.05	.0461	232.3	.1792	8.198	49.91
#1	-.0022	.0006	11.30	.0020	.0005	9.685	-.0002	.4962	.0034	-.0030
#2	-.0021	-.0038	11.29	.0006	.0022	9.691	.0007	.4949	.0039	-.0014

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0032	.0036	.0123	-.0209
Stddev	.0003	.0056	.0002	.0001
%RSD	10.08	155.1	1.965	.4786
#1	.0030	.0076	.0125	-.0209
#2	.0034	-.0003	.0122	-.0208

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1290.6	50611.	18061.
Stddev	.6	7.	24.
%RSD	.04697	.01446	.13044
#1	1291.0	50606.	18044.
#2	1290.1	50616.	18077.

Zoom In Zoom Out

Sample Name: MC27769-4 Acquired: 1/22/2014 19:24:40 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0002	1.420	.0034	-.0013	.0546	.9362	.0000	105.8	-.0002
Stddev	.0001	.035	.0009	.0015	.0000	.0059	.000	.3	.0000
%RSD	63.86	2.440	27.05	112.9	.0333	.6347	1810.	.2566	16.39
#1	.0002	1.445	.0028	-.0024	.0546	.9404	.0000	105.6	-.0002
#2	.0001	1.396	.0041	-.0003	.0546	.9320	.0000	105.9	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0010	.0013	.0027	1.919	3.896	24.27	2.343	.0052	197.7
Stddev	.0002	.0006	.0002	.002	.014	.09	.004	.0001	.9
%RSD	15.59	43.42	6.365	.1237	.3527	.3912	.1506	2.085	.4781
#1	.0009	.0017	.0026	1.917	3.886	24.20	2.341	.0051	198.3
#2	.0011	.0009	.0028	1.921	3.906	24.34	2.346	.0053	197.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0030	-.0003	-.0035	.0189	F24.00	.0000	.0012	7.754	-.0007
Stddev	.0001	.0002	.0011	.0004	.03	.000	.0006	.033	.0005
%RSD	1.945	48.69	30.59	2.271	.1334	17310.	52.04	.4295	70.44
#1	.0031	-.0002	-.0027	.0186	24.03	.0003	.0016	7.777	-.0004
#2	.0030	-.0005	-.0042	.0192	23.98	-.0003	.0008	7.730	-.0011

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.5440	.0483	-.0005	.0021	.0016	.0069	-.0140
Stddev	.0017	.0018	.0009	.0002	.0025	.0001	.0003
%RSD	.3131	3.779	194.1	10.37	155.3	1.379	1.789
#1	.5452	.0470	.0002	.0022	.0034	.0068	-.0142
#2	.5428	.0495	-.0011	.0019	-.0002	.0070	-.0139

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1266.4	50283.	17877.
Stddev	2.7	197.	50.
%RSD	.21564	.39218	.28151
#1	1264.4	50423.	17912.
#2	1268.3	50144.	17841.

Zoom In Zoom Out

Sample Name: MC27769-6 Acquired: 1/22/2014 19:29:38 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0000	1.114	.0021	-.0028	.0719	.6892	.0000	237.4	-.0005
Stddev	.0003	.005	.0006	.0013	.0000	.0000	.000	.3	.0001
%RSD	510.8	.4651	30.69	45.18	.0339	.0011	63.58	.1330	21.49
#1	-.0001	1.117	.0016	-.0019	.0719	.6892	.0000	237.6	-.0006
#2	.0002	1.110	.0025	-.0037	.0719	.6892	.0000	237.2	-.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0020	.0217	.0071	4.317	48.88	.4353	.0127	.0298	332.8
Stddev	.0000	.0004	.0002	.021	.02	.0416	.0002	.0001	1.3
%RSD	1.880	1.685	2.684	.4785	.0372	9.558	1.351	.2792	.3823
#1	.0020	.0215	.0070	4.332	48.90	.4059	.0128	.0298	331.9
#2	.0020	.0220	.0072	4.302	48.87	.4647	.0126	.0299	333.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0034	-.0002	-.0073	.0014	F40.98	.0010	.0026	6.145	-.0005
Stddev	.0003	.0011	.0004	.0034	.04	.0011	.0014	.008	.0003
%RSD	7.637	595.4	6.190	238.6	.0943	113.7	54.29	.1302	75.60
#1	.0036	-.0009	-.0069	.0038	41.00	.0017	.0016	6.151	-.0002
#2	.0032	.0006	-.0076	-.0010	40.95	.0002	.0036	6.140	-.0007

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.665	.0614	.0003	.0150	.0569	.0074	-.0098
Stddev	.001	.0046	.0005	.0003	.0016	.0001	.0005
%RSD	.0281	7.520	139.6	1.980	2.766	1.497	4.746
#1	1.665	.0647	.0007	.0147	.0581	.0073	-.0101
#2	1.664	.0582	.0000	.0152	.0558	.0075	-.0094

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1246.3	50122.	17831.
Stddev	3.3	319.	42.
%RSD	.26483	.63666	.23300
#1	1243.9	50348.	17802.
#2	1248.6	49896.	17861.

Zoom In Zoom Out

Sample Name: MC27769-7 Acquired: 1/22/2014 19:34:44 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0001	.0966	.0004	-.0007	.0403	4.728	-.0001	22.84	.0002	-.0005
Stddev	.0001	.0046	.0009	.0018	.0010	.024	.0001	.13	.0001	.0001
%RSD	75.14	4.717	210.8	238.0	2.472	.5093	106.6	.5780	56.53	20.61
#1	.0001	.0934	.0011	-.0020	.0396	4.711	-.0001	22.75	.0002	-.0005
#2	.0002	.0999	-.0002	.0005	.0410	4.745	.0000	22.94	.0001	-.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0010	.4710	32.55	3.524	.0941	.0335	322.8	.0003	.0005
Stddev	.0002	.0001	.0027	.09	.015	.0001	.0001	2.8	.0001	.0006
%RSD	131.2	12.75	.5807	.2895	.4219	.1006	.2033	.8769	43.17	131.6
#1	.0000	.0011	.4690	32.48	3.535	.0940	.0336	320.8	.0002	.0000
#2	.0003	.0009	.4729	32.61	3.514	.0941	.0335	324.8	.0004	.0009

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0000	.0020	10.63	.0002	.0006	4.564	-.0006	.1772	.0027	.0007
Stddev	.000	.0029	.01	.0010	.0005	.001	.0003	.0001	.0003	.0006
%RSD	750.6	145.1	.1136	627.0	81.51	.0118	42.15	.0738	9.562	87.81
#1	-.0002	-.0001	10.62	.0009	.0002	4.564	-.0005	.1771	.0028	.0003
#2	.0002	.0040	10.64	-.0005	.0009	4.564	-.0008	.1773	.0025	.0011

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0002	.0020	.0015	-.0089
Stddev	.0001	.0093	.0001	.0002
%RSD	38.16	474.0	3.615	2.307
#1	.0003	.0086	.0016	-.0091
#2	.0002	-.0046	.0015	-.0088

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1288.2	50806.	17895.
Stddev	.2	49.	133.
%RSD	.01608	.09574	.74047
#1	1288.3	50841.	17989.
#2	1288.0	50772.	17801.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/22/2014 19:39:49 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2328	9.810	1.950	-.0025	1.927	1.937	1.987	9.697	1.936	1.936
Stddev	.0002	.025	.001	.0002	.001	.000	.003	.011	.001	.001
%RSD	.0808	.2584	.0485	7.696	.0678	.0226	.1531	.1162	.0306	.0469
#1	.2329	9.792	1.950	-.0024	1.927	1.937	1.985	9.689	1.935	1.937
#2	.2326	9.828	1.951	-.0027	1.926	1.937	1.989	9.704	1.936	1.936

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	1.983	1.907	9.959	9.705	9.818	1.933	1.946	10.05	1.984	1.952
Stddev	.000	.004	.004	.033	.059	.001	.005	.06	.001	.000
%RSD	.0128	.2151	.0444	.3432	.6014	.0359	.2441	.5536	.0639	.0056
#1	1.983	1.904	9.962	9.682	9.859	1.933	1.943	10.01	1.983	1.952
#2	1.983	1.910	9.956	9.729	9.776	1.934	1.950	10.09	1.984	1.952

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0027	.0132	.0030	1.966	1.960	.0044	1.942	1.952	1.922	1.919
Stddev	.0006	.0007	.0005	.004	.004	.0011	.002	.002	.002	.002
%RSD	22.92	4.998	16.73	.2202	.1877	25.34	.1098	.0920	.0859	.1178
#1	-.0022	.0127	.0034	1.969	1.957	.0052	1.940	1.950	1.921	1.918
#2	-.0031	.0137	.0027	1.963	1.963	.0036	1.943	1.953	1.923	1.921

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.894	.0188	1.933	-.0045
Stddev	.001	.0013	.001	.0006
%RSD	.0294	7.093	.0740	13.94
#1	1.893	.0197	1.932	-.0040
#2	1.894	.0178	1.934	-.0049

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1328.0	51768.	18276.
Stddev	1.9	30.	50.
%RSD	.14155	.05758	.27270
#1	1329.3	51789.	18311.
#2	1326.6	51747.	18240.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/22/2014 19:44:33 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	-.0060	-.0003	.0000	.0022	.0002	.0003	.0053	.0002	-.0001
Stddev	.0000	.0089	.0003	.001	.0005	.0002	.0000	.0021	.0000	.0000
%RSD	6.769	147.3	99.52	13600.	23.73	122.8	3.628	38.54	6.834	36.22
#1	.0004	.0002	-.0001	.0003	.0026	.0000	.0003	.0039	.0002	-.0001
#2	.0004	-.0123	-.0006	-.0003	.0018	.0003	.0003	.0068	.0003	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0007	.0013	.0006	.0066	.0177	.0004	.0029	.0910	.0004	.0007
Stddev	.0006	.0003	.0011	.0245	.0319	.0000	.0010	.0021	.0003	.0009
%RSD	97.12	22.42	184.6	372.1	179.8	4.711	32.27	2.299	74.97	126.9
#1	.0011	.0015	.0013	-.0107	.0403	.0004	.0036	.0895	.0002	.0014
#2	.0002	.0011	-.0002	.0239	-.0048	.0004	.0023	.0924	.0006	.0001

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0001	.0012	.0011	-.0001	.0014	.0016	.0000	.0003	.0006	.0000
Stddev	.0008	.0005	.0003	.0006	.0003	.0008	.0002	.0000	.0004	.0010
%RSD	577.9	39.94	26.73	886.5	19.65	50.40	631.5	3.026	68.56	3544.
#1	.0007	.0016	.0009	-.0005	.0012	.0010	.0002	.0003	.0008	.0007
#2	-.0004	.0009	.0013	.0004	.0016	.0022	-.0001	.0004	.0003	-.0007

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0002	.0025	-.0007	-.0003
Stddev	.0002	.0006	.0000	.0003
%RSD	106.2	24.14	2.554	87.02
#1	.0003	.0021	-.0008	-.0001
#2	.0000	.0030	-.0007	-.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1331.3	51318.	17875.
Stddev	.5	44.	318.
%RSD	.04064	.08562	1.7777
#1	1331.7	51349.	17651.
#2	1330.9	51287.	18100.

Zoom In Zoom Out

Sample Name: MC27769-8 Acquired: 1/22/2014 19:49:29 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0000	.1187	.0031	-.0026	.0729	.6866	.0000	85.17	-.0001
Stddev	.000	.0005	.0021	.0006	.0002	.0035	.000	.26	.0001
%RSD	347.1	.4255	67.55	22.96	.2884	.5101	390.9	.3016	70.25
#1	-.0001	.1184	.0046	-.0022	.0730	.6891	.0000	85.35	-.0001
#2	.0001	.1191	.0016	-.0030	.0728	.6841	.0000	84.99	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0001	.0007	.0021	10.96	7.412	26.14	.1611	.0039	141.6
Stddev	.0003	.0007	.0000	.01	.029	.01	.0007	.0001	1.8
%RSD	413.6	102.6	2.315	.1362	.3980	.0479	.4059	2.871	1.294
#1	.0003	.0011	.0021	10.97	7.432	26.15	.1616	.0039	142.8
#2	-.0001	.0002	.0021	10.95	7.391	26.13	.1606	.0038	140.3

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0043	-.0004	-.0028	.0022	F35.20	.0036	.0012	4.994	-.0003
Stddev	.0001	.0001	.0012	.0034	.01	.0005	.0003	.001	.0004
%RSD	3.356	22.49	41.21	157.0	.0294	14.93	24.76	.0258	126.8
#1	.0044	-.0004	-.0020	.0046	35.20	.0040	.0010	4.993	-.0006
#2	.0042	-.0005	-.0036	-.0002	35.21	.0033	.0014	4.995	.0000

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.326	.0035	-.0014	.0000	.0004	.0041	-.0100
Stddev	.005	.0015	.0007	.001	.0064	.0001	.0002
%RSD	.4074	42.00	52.24	1388.	1462.	1.712	1.620
#1	1.330	.0045	-.0009	.0004	.0049	.0041	-.0098
#2	1.322	.0024	-.0020	-.0004	-.0041	.0040	-.0101

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1276.8	50862.	17901.
Stddev	2.0	217.	54.
%RSD	.16001	.42577	.30354
#1	1275.4	50709.	17862.
#2	1278.3	51015.	17939.

Zoom In Zoom Out

Sample Name: MC27769-9 Acquired: 1/22/2014 19:54:27 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0005	.1108	.0011	-.0073	.2394	2.697	-.0001	104.1	-.0001	-.0007
Stddev	.0002	.0014	.0003	.0007	.0007	.004	.0000	.1	.0001	.0003
%RSD	31.66	1.297	28.05	10.06	.3061	.1545	22.39	.0856	124.1	45.80
#1	.0004	.1118	.0013	-.0068	.2389	2.700	-.0001	104.1	.0000	-.0005
#2	.0006	.1098	.0009	-.0078	.2400	2.694	-.0001	104.2	-.0001	-.0009

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0010	.0020	.2637	21.11	26.03	.1886	.0034	123.3	.0003	-.0024
Stddev	.0001	.0008	.0016	.01	.06	.0011	.0000	.2	.0001	.0005
%RSD	8.703	39.42	.6224	.0244	.2427	.5927	.4312	.1764	48.75	22.32
#1	.0009	.0014	.2626	21.10	25.99	.1894	.0034	123.5	.0002	-.0028
#2	.0011	.0026	.2649	21.11	26.08	.1878	.0034	123.2	.0003	-.0020

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0032	.0042	2.642	.0009	.0030	4.356	-.0002	4.401	.0034	-.0009
Stddev	.0007	.0056	.004	.0007	.0002	.012	.0007	.051	.0002	.0015
%RSD	21.96	135.2	.1414	73.55	7.968	.2689	448.7	1.156	6.744	161.3
#1	-.0027	.0082	2.644	.0004	.0028	4.348	.0003	4.365	.0035	.0001
#2	-.0037	.0002	2.639	.0014	.0031	4.364	-.0007	4.437	.0032	-.0020

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0003	-.0001	.0025	-.0089
Stddev	.0001	.0012	.0000	.0005
%RSD	26.22	2004.	1.812	5.989
#1	.0003	-.0009	.0025	-.0085
#2	.0004	.0008	.0025	-.0092

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1268.4	50944.	18077.
Stddev	1.7	341.	44.
%RSD	.13031	.66863	.24432
#1	1269.6	50703.	18108.
#2	1267.2	51185.	18046.

Zoom In Zoom Out

Sample Name: MC27769-10 Acquired: 1/22/2014 19:59:26 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0004	.0170	.0059	-.0036	.1181	1.299	-.0001	95.76	.0000	-.0005
Stddev	.0004	.0037	.0001	.0015	.0004	.001	.0000	.09	.000	.0001
%RSD	100.7	21.93	2.233	42.51	.3428	.0613	20.41	.0960	14.41	11.37
#1	.0007	.0143	.0058	-.0025	.1178	1.298	-.0001	95.70	.0000	-.0005
#2	.0001	.0196	.0060	-.0047	.1184	1.299	-.0001	95.83	.0000	-.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0009	.0023	.1103	14.40	20.90	.0023	.0108	121.1	.0006	-.0015
Stddev	.0001	.0003	.0044	.03	.06	.0000	.0000	.1	.0002	.0009
%RSD	15.01	12.76	3.944	.1938	.2703	1.716	.1037	.0748	34.59	61.53
#1	.0010	.0021	.1134	14.38	20.86	.0023	.0108	121.2	.0007	-.0021
#2	.0008	.0025	.1072	14.42	20.94	.0023	.0108	121.0	.0005	-.0008

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0035	.0000	17.86	.0068	.0026	4.689	.0001	2.520	.0019	-.0013
Stddev	.0005	.008	.05	.0008	.0017	.025	.0004	.002	.0001	.0008
%RSD	13.33	56590.	.2883	11.62	64.56	.5408	327.8	.0895	6.556	59.47
#1	-.0031	.0058	17.83	.0062	.0014	4.671	-.0002	2.521	.0020	-.0007
#2	-.0038	-.0058	17.90	.0074	.0039	4.707	.0004	2.518	.0018	-.0018

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0009	.0806	.0015	-.0096
Stddev	.0005	.0028	.0000	.0001
%RSD	48.71	3.526	1.514	1.091
#1	.0006	.0786	.0015	-.0097
#2	.0013	.0826	.0015	-.0096

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1275.0	50995.	17995.
Stddev	4.9	231.	20.
%RSD	.38758	.45306	.10984
#1	1278.5	51158.	18009.
#2	1271.5	50831.	17981.

Zoom In Zoom Out

Sample Name: MC27769-11 Acquired: 1/22/2014 20:04:26 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0005	1.316	.0047	-.0032	.0953	.7464	-.0001	73.20	.0000
Stddev	.0001	.005	.0006	.0008	.0003	.0015	.0000	.23	.0001
%RSD	25.76	.3494	13.89	24.62	.2647	.2071	51.53	.3096	1813.
#1	.0004	1.313	.0042	-.0037	.0951	.7475	-.0001	73.04	-.0001
#2	.0005	1.319	.0051	-.0026	.0955	.7453	.0000	73.36	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0010	.0070	.0026	1.509	4.694	23.24	.0863	.0047	175.2
Stddev	.0001	.0001	.0000	.002	.031	.02	.0005	.0001	.8
%RSD	10.13	.9334	1.090	.1514	.6633	.0865	.5593	2.832	.4302
#1	.0011	.0070	.0025	1.511	4.672	23.26	.0860	.0048	175.8
#2	.0009	.0069	.0026	1.507	4.716	23.23	.0867	.0046	174.7

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0053	.0004	-.0038	.0070	F26.67	.0080	.0011	7.618	-.0003
Stddev	.0003	.0014	.0013	.0022	.03	.0001	.0007	.051	.0001
%RSD	5.085	347.1	34.69	32.18	.1257	1.114	63.02	.6716	17.00
#1	.0055	-.0006	-.0029	.0086	26.65	.0080	.0006	7.582	-.0003
#2	.0051	.0014	-.0048	.0054	26.70	.0079	.0016	7.654	-.0004

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	1.172	.0508	-.0011	.0024	.0054	.0054	-.0146
Stddev	.001	.0043	.0009	.0001	.0007	.0002	.0006
%RSD	.0451	8.482	85.56	4.518	13.03	4.481	4.148
#1	1.171	.0538	-.0017	.0023	.0059	.0052	-.0150
#2	1.172	.0477	-.0004	.0025	.0049	.0055	-.0142

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1278.8	50931.	17978.
Stddev	1.2	160.	62.
%RSD	.09444	.31497	.34304
#1	1279.7	51044.	18021.
#2	1278.0	50817.	17934.

Zoom In Zoom Out

Sample Name: MC27769-12 Acquired: 1/22/2014 20:09:25 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0003	5.220	.0024	-.0007	.5427	.1356	.0003	4.389	.0002	.0016
Stddev	.0001	.001	.0006	.0009	.0003	.0000	.0000	.014	.0000	.0000
%RSD	18.87	.0198	26.61	137.3	.0461	.0171	2.827	.3197	13.16	2.116
#1	.0003	5.221	.0020	-.0013	.5425	.1356	.0003	4.399	.0002	.0016
#2	.0002	5.219	.0029	.0000	.5428	.1355	.0003	4.379	.0003	.0016

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0153	.0038	6.257	4.858	2.112	.0572	.0024	190.0	.0060	.0008
Stddev	.0002	.0003	.005	.006	.060	.0002	.0001	2.9	.0003	.0001
%RSD	1.301	7.420	.0849	.1338	2.836	.4139	2.383	1.528	4.838	14.96
#1	.0151	.0036	6.253	4.863	2.154	.0573	.0025	192.1	.0062	.0007
#2	.0154	.0040	6.260	4.854	2.069	.0570	.0024	187.9	.0058	.0009

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0005	.0009	1.715	.0006	-.0001	12.24	-.0003	.1493	.0762	-.0016
Stddev	.0001	.0015	.001	.0009	.0003	.02	.0007	.0005	.0024	.0012
%RSD	31.03	172.0	.0698	139.4	517.2	.1886	210.4	.3382	3.187	76.31
#1	-.0004	-.0002	1.716	.0013	-.0002	12.25	-.0009	.1497	.0745	-.0025
#2	-.0006	.0019	1.714	.0000	.0001	12.22	.0002	.1490	.0780	-.0007

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0076	.0115	.0147	-.0242
Stddev	.0004	.0014	.0003	.0001
%RSD	5.539	11.76	2.282	.6184
#1	.0079	.0125	.0150	-.0243
#2	.0073	.0106	.0145	-.0241

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1300.3	51615.	18250.
Stddev	.4	133.	32.
%RSD	.02851	.25727	.17790
#1	1300.5	51709.	18227.
#2	1300.0	51521.	18272.

Zoom In Zoom Out

Sample Name: MC27779-4F Acquired: 1/22/2014 20:14:23 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0006	-.0115	.0127	-.0018	.0317	.1388	-.0001	58.50	.0000	.0008
Stddev	.0001	.0003	.0005	.0003	.0003	.0001	.0000	.07	.0000	.0002
%RSD	20.12	2.289	3.605	16.51	1.040	.0444	31.66	.1128	6.250	27.65
#1	.0006	-.0113	.0131	-.0020	.0314	.1387	-.0001	58.45	.0000	.0009
#2	.0005	-.0117	.0124	-.0016	.0319	.1388	-.0001	58.55	.0000	.0006

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0004	.0357	10.69	16.22	5.701	1.807	.0000	592.6	.0043	-.0020
Stddev	.0001	.0005	.02	.07	.037	.005	.000	1.0	.0003	.0007
%RSD	39.69	1.285	.2012	.4173	.6422	.2570	25.49	.1648	6.865	35.41
#1	-.0003	.0360	10.68	16.18	5.727	1.803	.0000	591.9	.0041	-.0026
#2	-.0005	.0354	10.71	16.27	5.675	1.810	.0000	593.3	.0045	-.0015

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0022	.0160	9.970	-.0006	-.0012	7.611	-.0010	.3948	.0006	.0012
Stddev	.0010	.0009	.010	.0005	.0003	.008	.0001	.0003	.0003	.0007
%RSD	46.87	5.618	.0967	73.47	22.35	.1038	6.949	.0643	49.40	59.31
#1	-.0015	.0154	9.977	-.0003	-.0013	7.617	-.0010	.3946	.0004	.0007
#2	-.0029	.0166	9.963	-.0009	-.0010	7.606	-.0009	.3950	.0008	.0017

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0006	-.0030	.0130	-.0158
Stddev	.0002	.0036	.0002	.0003
%RSD	36.99	119.1	1.273	1.809
#1	-.0004	-.0056	.0129	-.0160
#2	-.0007	-.0005	.0131	-.0156

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1261.3	50670.	17733.
Stddev	2.1	91.	9.
%RSD	.16669	.17944	.04933
#1	1259.8	50735.	17739.
#2	1262.8	50606.	17727.

Zoom In Zoom Out

Sample Name: MC27787-1F Acquired: 1/22/2014 20:19:23 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0002	-.0038	-.0002	-.0003	.0315	.0405	-.0001	42.26	.0000	-.0006
Stddev	.0005	.0017	.0013	.0003	.0008	.0000	.0000	.12	.000	.0001
%RSD	214.7	45.47	801.6	86.40	2.598	.1228	29.45	.2934	1624.	10.06
#1	.0006	-.0026	-.0010	-.0005	.0321	.0405	-.0001	42.18	-.0001	-.0006
#2	-.0001	-.0050	.0007	-.0001	.0310	.0406	-.0001	42.35	.0001	-.0006

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	.0019	.0084	4.539	16.15	.0001	.0017	52.77	-.0003	-.0012
Stddev	.000	.0000	.0012	.031	.01	.0000	.0000	.33	.0000	.0008
%RSD	145.7	1.681	14.19	.6810	.0370	22.45	2.167	.6261	12.30	67.33
#1	.0000	.0019	.0093	4.517	16.16	.0002	.0017	52.54	-.0003	-.0006
#2	-.0001	.0018	.0076	4.561	16.15	.0001	.0017	53.01	-.0003	-.0018

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0020	-.0038	12.21	.0001	.0038	2.835	-.0005	.1339	.0006	-.0023
Stddev	.0016	.0004	.01	.0005	.0009	.005	.0004	.0007	.0003	.0007
%RSD	79.33	10.83	.1096	572.5	23.67	.1623	67.89	.4881	39.19	32.44
#1	-.0009	-.0040	12.22	.0005	.0045	2.838	-.0008	.1334	.0008	-.0028
#2	-.0032	-.0035	12.20	-.0003	.0032	2.831	-.0003	.1343	.0005	-.0018

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0006	-.0010	.0049	-.0058
Stddev	.0000	.0013	.0002	.0001
%RSD	.7234	123.1	3.081	2.502
#1	.0006	-.0019	.0048	-.0059
#2	.0006	-.0001	.0050	-.0057

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1291.3	51370.	18060.
Stddev	3.6	322.	37.
%RSD	.27799	.62763	.20580
#1	1288.8	51598.	18087.
#2	1293.9	51142.	18034.

Zoom In Zoom Out

Sample Name: MC27801-1F Acquired: 1/22/2014 20:24:18 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Avg	.0001	.0319	.1122	-.0017	.3666	.0475	-.0001	85.62	.0002
Stddev	.0005	.0042	.0008	.0006	.0001	.0002	.0000	.16	.0002
%RSD	408.0	13.30	.6763	35.69	.0311	.5060	3.788	.1829	86.18
#1	-.0002	.0289	.1116	-.0013	.3666	.0476	-.0001	85.51	.0001
#2	.0005	.0349	.1127	-.0022	.3667	.0473	-.0001	85.73	.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Avg	.0211	.0001	.0014	89.85	19.04	8.130	6.254	.0002	204.7
Stddev	.0003	.0009	.0001	.07	.03	.032	.035	.0000	1.9
%RSD	1.528	1164.	5.337	.0828	.1423	.3869	.5681	11.93	.9186
#1	.0209	-.0006	.0014	89.79	19.03	8.108	6.279	.0002	203.3
#2	.0213	.0007	.0015	89.90	19.06	8.153	6.229	.0002	206.0

Elem	Ni2316	Pb2203	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899
Avg	.0428	-.0008	-.0114	.0428	F56.09	-.0004	.0008	15.00	.0003
Stddev	.0000	.0004	.0013	.0002	.02	.0011	.0001	.00	.0003
%RSD	.0615	52.50	11.24	.5804	.0302	280.2	11.74	.0300	98.89
#1	.0428	-.0011	-.0123	.0430	56.10	-.0012	.0008	15.00	.0005
#2	.0428	-.0005	-.0105	.0427	56.08	.0004	.0009	14.99	.0001

Elem	Sr4077	Ti3349	Tl1908	V_2924	W_2397	Zn2062	Zr3391
Avg	.4815	.0008	-.0010	-.0015	.0113	.0723	-.0329
Stddev	.0006	.0004	.0009	.0006	.0016	.0003	.0003
%RSD	.1310	54.33	88.34	37.98	14.01	.4024	.8135
#1	.4819	.0005	-.0004	-.0011	.0102	.0725	-.0327
#2	.4810	.0011	-.0017	-.0019	.0124	.0721	-.0331

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1263.8	50708.	18064.
Stddev	1.2	266.	61.
%RSD	.09331	.52435	.33734
#1	1263.0	50520.	18107.
#2	1264.6	50896.	18020.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/22/2014 20:29:22 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2345	9.823	1.958	-.0016	1.934	1.946	1.999	9.674	1.945	1.947
Stddev	.0015	.011	.005	.0005	.004	.002	.002	.023	.004	.003
%RSD	.6392	.1109	.2595	29.82	.2004	.1201	.0762	.2404	.1951	.1323
#1	.2335	9.815	1.962	-.0020	1.936	1.948	2.000	9.657	1.948	1.949
#2	.2356	9.831	1.955	-.0013	1.931	1.944	1.998	9.690	1.942	1.945

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.014	1.929	9.990	9.690	9.883	1.946	1.956	10.00	2.002	1.965
Stddev	.012	.002	.025	.019	.018	.011	.002	.00	.004	.001
%RSD	.5937	.0856	.2556	.1951	.1781	.5467	.0964	.0142	.1906	.0455
#1	2.006	1.927	9.972	9.677	9.895	1.939	1.955	10.00	2.005	1.964
#2	2.023	1.930	10.01	9.703	9.871	1.954	1.958	10.00	2.000	1.965

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0002	.0145	.0069	1.984	1.967	.0024	1.944	1.951	1.930	1.931
Stddev	.0001	.0012	.0001	.006	.000	.0009	.004	.002	.007	.003
%RSD	55.20	8.613	.9614	.3232	.0157	38.97	.2094	.1047	.3515	.1316
#1	.0003	.0154	.0069	1.988	1.968	.0031	1.947	1.952	1.925	1.932
#2	.0001	.0136	.0068	1.979	1.967	.0018	1.941	1.949	1.935	1.929

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.898	.0079	1.941	-.0062
Stddev	.008	.0036	.003	.0002
%RSD	.4243	45.95	.1330	3.040
#1	1.892	.0053	1.943	-.0063
#2	1.904	.0104	1.939	-.0061

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1321.9	51637.	18334.
Stddev	2.0	275.	8.
%RSD	.15437	.53250	.04625
#1	1320.4	51831.	18328.
#2	1323.3	51443.	18340.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/22/2014 20:34:07 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	-.0002	-.0068	.0005	-.0002	.0027	-.0004	.0001	.0052	.0004	.0001
Stddev	.0002	.0018	.0003	.0011	.0002	.0002	.0000	.0000	.0000	.0002
%RSD	99.28	26.27	65.01	637.0	7.004	57.13	37.18	.1452	1.648	226.5
#1	.0000	-.0056	.0007	.0006	.0028	-.0002	.0001	.0052	.0004	.0002
#2	-.0003	-.0081	.0003	-.0010	.0025	-.0005	.0001	.0052	.0004	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0002	.0014	.0040	.0358	.0231	.0002	.0031	.1050	.0005	.0007
Stddev	.0006	.0001	.0008	.0132	.0069	.0001	.0008	.0023	.0000	.0013
%RSD	260.3	6.378	19.91	37.01	29.76	36.73	26.22	2.215	9.097	180.3
#1	-.0002	.0013	.0046	.0264	.0183	.0002	.0037	.1034	.0004	-.0002
#2	.0007	.0014	.0034	.0451	.0280	.0003	.0025	.1067	.0005	.0016

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.0007	.0025	.0023	.0007	-.0007	.0015	.0002	.0001	.0005	.0004
Stddev	.0002	.0006	.0012	.0004	.0015	.0004	.0005	.0000	.0001	.0015
%RSD	26.52	23.00	50.50	62.72	212.5	24.52	197.5	14.97	28.31	397.0
#1	.0008	.0021	.0031	.0010	.0004	.0018	.0006	.0001	.0004	.0014
#2	.0005	.0029	.0015	.0004	-.0018	.0013	-.0001	.0001	.0006	-.0007

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0001	.0022	-.0006	-.0005
Stddev	.0000	.0026	.0000	.0003
%RSD	31.31	118.4	2.158	56.17
#1	.0001	.0040	-.0006	-.0007
#2	.0000	.0004	-.0006	-.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1323.2	51773.	18046.
Stddev	4.3	147.	38.
%RSD	.32682	.28371	.21222
#1	1326.3	51876.	18073.
#2	1320.2	51669.	18019.

Zoom In Zoom Out

Sample Name: CRI Acquired: 1/22/2014 20:39:04 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0048	.1892	.0049	-.0004	.1008	.0497	.0041	4.936	.0043	.0503
Stddev	.0002	.0044	.0017	.0027	.0001	.0002	.0001	.041	.0001	.0005
%RSD	3.778	2.345	35.15	689.0	.1213	.4320	2.206	.8388	2.687	.9218
#1	.0046	.1923	.0037	-.0023	.1008	.0498	.0042	4.907	.0042	.0500
#2	.0049	.1861	.0061	.0015	.1007	.0495	.0041	4.965	.0044	.0506

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0091	.0249	.1030	4.926	5.083	.0151	.1021	5.153	.0423	.0048
Stddev	.0006	.0005	.0020	.051	.052	.0001	.0003	.002	.0005	.0003
%RSD	6.282	2.059	1.930	1.027	1.025	.4764	.2774	.0287	1.092	6.983
#1	.0087	.0253	.1044	4.962	5.046	.0150	.1019	5.152	.0420	.0045
#2	.0095	.0245	.1016	4.890	5.120	.0151	.1023	5.154	.0426	.0050

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0008	.0063	.0028	.0057	.0108	.0045	.0971	.0098	.0496	.0051
Stddev	.0012	.0078	.0003	.0000	.0006	.0002	.0007	.0001	.0007	.0003
%RSD	144.4	123.7	12.31	.5300	5.402	3.792	.7568	.7782	1.393	6.613
#1	.0000	.0118	.0026	.0057	.0104	.0046	.0966	.0098	.0491	.0048
#2	-.0017	.0008	.0031	.0057	.0112	.0044	.0976	.0099	.0501	.0053

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.0093	.0045	.0198	-.0002
Stddev	.0003	.0037	.0002	.0004
%RSD	3.659	83.76	1.258	175.2
#1	.0095	.0071	.0197	.0000
#2	.0090	.0018	.0200	-.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1324.6	51640.	18084.
Stddev	.4	270.	163.
%RSD	.03237	.52283	.90118
#1	1324.9	51449.	18199.
#2	1324.3	51831.	17969.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 1/22/2014 20:44:00 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0007	526.7	.0012	.0017	.0009	-.0007	.0000	446.8	.0003	.0010
Stddev	.0003	6.0	.0012	.0003	.0001	.0000	.000	.7	.0003	.0001
%RSD	39.66	1.133	96.45	16.57	14.44	3.616	5.572	.1659	115.9	7.671
#1	.0010	531.0	.0020	.0015	.0010	-.0007	.0000	447.4	.0000	.0010
#2	.0005	522.5	.0004	.0019	.0008	-.0008	.0000	446.3	.0005	.0011

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-.0010	.0009	184.9	-.0451	539.5	.0001	-.0003	.1263	.0007	.0012
Stddev	.0010	.0003	.1	.0032	.0	.0000	.0004	.0050	.0003	.0011
%RSD	102.7	35.16	.0396	7.116	.0067	94.75	128.2	3.971	43.74	94.08
#1	-.0017	.0011	184.9	-.0428	539.5	.0001	-.0007	.1228	.0005	.0004
#2	-.0003	.0007	184.8	-.0473	539.5	.0000	.0000	.1299	.0009	.0020

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0436	-.0291	.1210	-.0001	.0018	.0509	.0018	-.0084	.0057	.0018
Stddev	.0016	.0030	.0060	.0002	.0005	.0008	.0001	.0000	.0000	.0002
%RSD	3.716	10.16	4.974	167.9	28.87	1.513	2.863	.2195	.7857	13.77
#1	-.0425	-.0312	.1167	-.0003	.0014	.0515	.0017	-.0084	.0056	.0020
#2	-.0448	-.0271	.1252	.0000	.0021	.0504	.0018	-.0083	.0057	.0016

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0027	-.0380	.0002	.0042
Stddev	.0001	.0081	.0005	.0003
%RSD	5.046	21.44	246.1	6.053
#1	-.0026	-.0322	.0006	.0040
#2	-.0028	-.0437	-.0002	.0044

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1196.4	47562.	17694.
Stddev	2.2	123.	69.
%RSD	.18670	.25909	.38764
#1	1198.0	47649.	17646.
#2	1194.8	47475.	17743.

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 1/22/2014 20:49:04 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.9866	518.8	2.148	.4845	1.018	.4929	.4763	441.1	1.029	.4681
Stddev	.0010	10.8	.006	.0008	.000	.0009	.0016	2.6	.001	.0012
%RSD	.1021	2.073	.2661	.1609	.0015	.1747	.3255	.5827	.1005	.2496
#1	.9874	511.2	2.152	.4839	1.018	.4923	.4752	439.3	1.029	.4689
#2	.9859	526.4	2.143	.4850	1.018	.4935	.4774	442.9	1.028	.4672

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.4854	.5243	181.9	-.0710	537.0	.4804	.9445	.1169	.9058	.9280
Stddev	.0021	.0033	.9	.0130	2.7	.0006	.0009	.0063	.0022	.0000
%RSD	.4310	.6209	.4948	18.24	.4956	.1208	.0994	5.401	.2470	.0028
#1	.4869	.5266	181.3	-.0618	535.1	.4808	.9438	.1213	.9042	.9280
#2	.4839	.5220	182.6	-.0802	538.9	.4800	.9451	.1124	.9073	.9280

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	.5371	.4796	.6839	2.111	2.046	2.384	.9550	.9443	.4926	1.834
Stddev	.0018	.0024	.0050	.007	.004	.002	.0012	.0025	.0004	.000
%RSD	.3342	.4983	.7348	.3453	.1931	.0617	.1276	.2596	.0882	.0050
#1	.5384	.4813	.6804	2.116	2.049	2.385	.9542	.9426	.4923	1.834
#2	.5358	.4779	.6875	2.106	2.044	2.383	.9559	.9461	.4929	1.834

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	.4791	2.114	.9037	.3457
Stddev	.0003	.002	.0003	.0023
%RSD	.0620	.1098	.0331	.6631
#1	.4793	2.112	.9035	.3440
#2	.4789	2.115	.9039	.3473

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1195.5	47860.	17762.
Stddev	1.7	50.	92.
%RSD	.14016	.10454	.51958
#1	1194.3	47824.	17828.
#2	1196.7	47895.	17697.

Zoom In Zoom Out

Sample Name: CCV Acquired: 1/22/2014 20:53:58 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.2333	9.942	1.969	-.0030	1.942	1.944	2.018	9.785	1.958	1.963
Stddev	.0013	.020	.004	.0019	.000	.003	.003	.058	.002	.001
%RSD	.5416	.2041	.2272	61.03	.0004	.1419	.1256	.5950	.0802	.0512
#1	.2342	9.956	1.966	-.0017	1.942	1.946	2.020	9.826	1.959	1.962
#2	.2325	9.927	1.972	-.0044	1.942	1.942	2.016	9.743	1.957	1.964

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.038	1.928	10.12	9.705	10.14	1.957	1.977	10.03	2.029	1.981
Stddev	.005	.001	.03	.042	.05	.005	.003	.01	.002	.002
%RSD	.2270	.0466	.2620	.4275	.4888	.2348	.1321	.1220	.1186	.0863
#1	2.042	1.928	10.14	9.734	10.17	1.961	1.975	10.02	2.030	1.983
#2	2.035	1.927	10.10	9.675	10.10	1.954	1.978	10.04	2.027	1.980

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0008	.0119	-.0023	1.999	1.988	-.0007	1.945	1.947	1.931	1.943
Stddev	.0003	.0004	.0023	.002	.003	.0005	.004	.003	.001	.001
%RSD	44.15	3.310	97.68	.0829	.1677	69.66	.2307	.1391	.0475	.0627
#1	-.0005	.0122	-.0040	1.998	1.990	-.0011	1.949	1.949	1.930	1.942
#2	-.0010	.0116	-.0007	2.000	1.986	-.0004	1.942	1.945	1.932	1.944

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	1.892	.0293	1.957	.0294
Stddev	.001	.0104	.003	.0067
%RSD	.0340	35.42	.1470	22.86
#1	1.892	.0220	1.959	.0342
#2	1.893	.0366	1.955	.0247

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1315.3	51570.	18116.
Stddev	.6	80.	49.
%RSD	.04635	.15575	.27090
#1	1314.9	51513.	18082.
#2	1315.8	51627.	18151.

Zoom In Zoom Out

Sample Name: CCB Acquired: 1/22/2014 20:58:41 Type: Unk
Method: Accutest -SS2 with S(v314) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Au2427	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Avg	.0006	.0160	.0009	-.0008	.0026	-.0002	.0002	.0257	.0002	-.0002
Stddev	.0001	.0009	.0012	.0025	.0008	.0000	.0000	.0019	.0001	.0000
%RSD	9.280	5.861	126.7	331.5	31.40	12.07	6.222	7.567	37.96	3.147
#1	.0005	.0153	.0018	-.0025	.0032	-.0002	.0002	.0271	.0003	-.0002
#2	.0006	.0167	.0001	.0010	.0021	-.0002	.0002	.0243	.0002	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	.0000	.0014	.0105	-.0033	.0429	.0001	.0034	.0545	.0004	.0006
Stddev	.000	.0002	.0014	.0038	.0111	.0000	.0010	.0027	.0001	.0001
%RSD	580.7	16.33	13.80	116.9	25.84	14.64	28.60	4.930	26.10	16.68
#1	-.0002	.0016	.0094	-.0060	.0350	.0001	.0040	.0564	.0004	.0005
#2	.0002	.0012	.0115	-.0006	.0507	.0001	.0027	.0526	.0003	.0006

Elem	Pd3404	Pt2659	S_1820	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908
Avg	-.0002	.0046	.0010	.0001	.0001	.0011	.0000	.0002	.0004	.0003
Stddev	.0009	.0034	.0009	.0001	.0017	.0007	.001	.0000	.0002	.0012
%RSD	592.0	75.20	84.30	57.33	1387.	68.28	2181.	14.16	48.06	370.3
#1	.0005	.0021	.0017	.0001	.0014	.0016	.0004	.0002	.0002	.0012
#2	-.0008	.0070	.0004	.0001	-.0011	.0005	-.0005	.0002	.0005	-.0005

Elem	V_2924	W_2397	Zn2062	Zr3391
Avg	-.0002	.0026	-.0006	-.0002
Stddev	.0002	.0095	.0002	.0001
%RSD	115.9	360.1	24.26	50.08
#1	.0000	.0094	-.0005	-.0001
#2	-.0003	-.0041	-.0007	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Avg	1316.0	51828.	18053.
Stddev	6.0	136.	112.
%RSD	.45823	.26155	.61834
#1	1311.7	51732.	17974.
#2	1320.2	51924.	18132.

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	8	V	0.000017	0.000000	No
			Co	0.000007	0.000000	No
			Mn	0.000112	0.000000	No
			Mo	0.000010	0.000000	No
			Cu	0.000004	0.000000	No
			Ti	-0.000181	0.000000	No
			Al	-0.000000	0.000000	No
			Zr	0.005523	0.000000	No
Al 396.152 { 85}	☒	3	Mn	0.002740	0.000000	No
			Mo	0.035116	0.000000	No
			Ca	0.000159	0.000000	No
As 189.042 {479}	☒	10	V	0.000073	0.000000	No
			Al	0.000009	0.000000	No
			Mo	0.000397	0.000000	No
			Fe	0.000005	0.000000	No
			Mn	-0.000086	0.000000	No
			Ca	0.000004	0.000000	No
			Mg	0.000002	0.000000	No
			Cr	0.000275	0.000000	No
			Na	0.000000	0.000000	No
			Co	-0.000449	0.000000	No
Au 242.795 {139}	☒	3	Fe	0.000056	0.000000	No
			Mn	0.007148	0.000000	No
			Co	-0.000671	0.000000	No
B 208.959 {462}	☒	1	Mo	0.021020	0.000000	No
Ba 455.403 { 74}	☒	1	Al	0.000009	0.000000	No
Be 313.042 {108}	☒	3	V	0.000256	0.000000	No
			Mo	-0.000013	0.000000	No
			Ti	-0.000310	0.000000	No
Ca 317.933 {106}	☒	None				
Cd 228.802 {448}	☒	4	Ni	0.000020	0.000000	No
			V	0.000020	0.000000	No
			Fe	0.000003	0.000000	No
			Ca	0.000003	0.000000	No
Co 228.616 {448}	☒	4	Fe	0.000045	0.000000	No
			Mo	-0.000082	0.000000	No
			Ti	0.001669	0.000000	No
			Ca	0.000001	0.000000	No
Cr 267.716 {126}	☒	3	Al	0.000002	0.000000	No
			Mn	0.000149	0.000000	No
			Fe	-0.000011	0.000000	No
Cu 324.754 {104}	☒	4	Fe	-0.000064	0.000000	No
			V	-0.000009	0.000000	No
			Mo	0.000128	0.000000	No
			Co	-0.000699	0.000000	No
Fe 259.940 {130}	☒	4	Al	0.000157	0.000000	No
			Mo	-0.000600	0.000000	No
			Co	-0.000015	0.000000	No
			Cr	0.000162	0.000000	No
K 766.490 { 44}	☒	2	Fe	-0.000328	0.000000	No
			Mo	-0.002000	0.000000	No
Mg 279.079 {121}	☒	2	Mn	-0.002210	0.000000	No
			Mo	-0.017077	0.000000	No
Mn 257.610 {131}	☒	3	Fe	0.000003	0.000000	No
			Ti	0.000002	0.000000	No
			Al	0.000004	0.000000	No
Mo 202.030 {467}	☒	1	V	0.000578	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Na 589.592 { 57}	☒	2	Mo	0.002860	0.000000	No
			Al	0.000568	0.000000	No
Ni 231.604 {446}	☒	3	Mo	0.000342	0.000000	No
			Fe	0.000042	0.000000	No
			Ca	-0.000001	0.000000	No
Pb 220.353 {453}	☒	10	Al	-0.000055	0.000000	No
			Mn	0.000207	0.000000	No
			Mo	-0.001661	0.000000	No
			Co	-0.000268	0.000000	No
			Cu	0.000243	0.000000	No
			Ca	-0.000007	0.000000	No
			Fe	0.000034	0.000000	No
			Mg	0.000000	0.000000	No
			Ni	0.000097	0.000000	No
			Si	0.000183	0.000000	No
Pd 340.458 { 99}	☒	4	Mo	-0.000183	0.000000	No
			Co	-0.000515	0.000000	No
			Cu	0.000121	0.000000	No
			Fe	-0.000342	0.000000	No
Pt 265.945 {127}	☒	8	Al	0.000061	0.000000	No
			Fe	-0.000027	0.000000	No
			Cr	0.006177	0.000000	No
			Ni	-0.000225	0.000000	No
			Mn	-0.008486	0.000000	No
			V	-0.000835	0.000000	No
			Co	-0.000324	0.000000	No
			Cu	-0.000222	0.000000	No
S 182.034 {485}	☒	None				
Sb 206.833 {463}	☒	11	Al	-0.000026	0.000000	No
			Fe	0.000021	0.000000	No
			Cr	0.005168	0.000000	No
			Mo	-0.001631	0.000000	No
			Mg	-0.000002	0.000000	No
			Ni	-0.000350	0.000000	No
			V	-0.001264	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	0.000007	0.000000	No
			Cu	0.000120	0.000000	No
			Sn	-0.009353	0.000000	No
Se 196.090 {472}	☒	7	Al	-0.000005	0.000000	No
			Fe	-0.000155	0.000000	No
			Mn	0.000301	0.000000	No
			Mo	0.000005	0.000000	No
			Ca	-0.000007	0.000000	No
			Na	0.000006	0.000000	No
			Co	-0.000302	0.000000	No
Si 212.412 {459}	☒	3	V	0.030413	0.000000	No
			Ti	0.012159	0.000000	No
			Mo	0.022364	0.000000	No
Sn 189.989 {478}	☒	None				
Sr 407.771 { 83}	☒	1	Ca	0.000021	0.000000	No
Ti 334.904 {101}	☒	2	Cr	0.000180	0.000000	No
			Mo	0.000546	0.000000	No
Tl 190.856 {477}	☒	10	Mn	0.000598	0.000000	No
			Cr	0.000076	0.000000	No
			V	-0.024041	0.000000	No
			Co	0.001796	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Al	-0.000006	0.000000	No
				Fe	0.000007	0.000000	No
				Ti	-0.001276	0.000000	No
				Mo	-0.000144	0.000000	No
				Ca	-0.000004	0.000000	No
				Na	-0.000003	0.000000	No
	V 292.402 {115}	☒	4	Ti	0.000200	0.000000	No
				Mo	-0.006944	0.000000	No
				Fe	0.000004	0.000000	No
				Cr	-0.001648	0.000000	No
	W 239.709 {141}	☒	5	Fe	-0.000141	0.000000	No
				Mo	0.001630	0.000000	No
				Co	0.007596	0.000000	No
				Al	0.000073	0.000000	No
				Mn	-0.000017	0.000000	No
	Y 224.306 {451}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Zn 206.200 {464}	☒	9	Fe	0.000005	0.000000	No
				Mn	0.000018	0.000000	No
				Ni	0.000450	0.000000	No
				Cr	-0.000497	0.000000	No
				Mo	0.000270	0.000000	No
				Co	0.000024	0.000000	No
				Ti	0.001102	0.000000	No
				Al	0.000003	0.000000	No
				Na	0.000004	0.000000	No
	Zr 339.198 { 99}	☒	5	Si	0.002212	0.000000	No
				Ti	0.000189	0.000000	No
				Fe	0.000029	0.000000	No
				Sn	0.002851	0.000000	No
				V	0.002032	0.000000	No

HG AQ: SW846 7470A

AQ ◉ SO ○ **Analysis: Hg**

Protected Worksheet
Format edits must be done by Dept. Manager

MP#	MP22400	Date	1/21/14	Balance ID	N/A	Pipet ID	1	Prep Analyst	EM/MA				
Dig Block ID	1	Therm ID	GN011	Temp	95	Factor	-1.5	Corr. Temp. Deg C	93.5	Start Time	8:13	End Time	10:13
Dig Block ID		Therm ID		Temp		Factor		Corr. Temp. Deg C		Start Time		End Time	
MA#	MA16671	Date	1/21/14	Run File	H2012114W1.PRN			Calib File	2012114W			Analyst	SARAHA

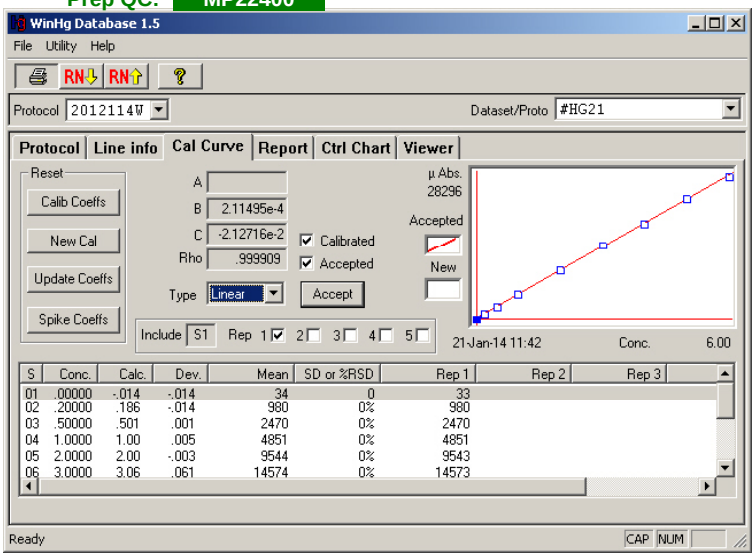
Bot#	Sample ID	Init ML	Fin ML	Block ID	Comments	Bot#	Sample ID	Init ML	Fin ML	Block ID	Comments
	RB	20	20	1		5	MC27699-1	20	20	1	
	STD#1	20	20	1	4 ml of METSTD 32618 Hg- 3	5	MC27699-2	20	20	1	
	STD#2	20	20	1	10 ml of METSTD 32618 Hg- 3	5	MC27699-5	20	20	1	
	STD#3	20	20	1	2 ml of METSTD 32618 Hg- 2	2	MC27714-1	20	20	1	LIQUID. SEDIMENT PRESENT.
	STD#4	20	20	1	4 ml of METSTD 32618 Hg- 2	1	MC27753-3	20	20	1	
	STD#5	20	20	1	6 ml of METSTD 32618 Hg- 2	1	MC27753-14	20	20	1	
	STD#6	20	20	1	8 ml of METSTD 32618 Hg- 2	1	MC27754-3	20	20	1	
	STD#7	20	20	1	10 ml of METSTD 32618 Hg- 2	1	MC27769-2	20	20	1	
	STD#8	20	20	1	12 ml of METSTD 32618 Hg- 2	2	MC27769-3	20	20	1	
	ICV	20	20	1	8 ml of METSTD 32619 Hg- 2	2	MC27769-4	20	20	1	
	CCV	20	20	1	6 ml of METSTD 32618 Hg- 2	2	MC27769-6	20	20	1	BLUE COLOR.
	CRI	20	20	1	4 ml of METSTD 32618 Hg- 3	1	MC27769-7	20	20	1	
	ICB	20	20	1		1	MC27769-8	20	20	1	
	CCB	20	20	1		1	MC27769-9	20	20	1	
	MB	20	20	1		1	MC27769-10	20	20	1	
	SB	20	20	1	0.6 ml of METSTD 32618 Hg- 1	1	MC27769-11	20	20	1	
	SBD	20	20	1	0.6 ml of METSTD 32618 Hg- 1	2	MC27769-12	20	20	1	
2	MS MC27769-1	20	20	1	0.6 ml of METSTD 32618 Hg- 1						
2	MSD MC27769-1	20	20	1	0.6 ml of METSTD 32618 Hg- 1						
2	MC27769-1	20	20	1							
*5	MC27690-1	20	20	1	PINK COLOR. SOME SEDIMENT.						
3	MC27697-3	20	20	1							

Reagent Lot#

Pot. Permanganate	RGT-	39248	_HG	Stannous Chloride	RGT-	39426	_HG	Conc. HNO3	Vendor- 14314
Pot. Persulfate	RGT-	39152	_HG	Stannous Sulfate	RGT-	****N/A****	_HG	Conc. H2SO4	Vendor- 14009
Hydroxylamine.SO4	RGT-	39287	_HG	Instrument ID:	HG-2			Dig.Tubes	1308077

Comment: *Did not sustain color after digestion.

QC Review: PuiY **Date:** 1/22/14 **MMA015-02**


WinHg Database 1.5
File Utility Help
RN RN
Protocol 2012114W
Dataset/Proto #HG21
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 2.11495e-4
C -2.12716e-2
Rho .999909
Type Linear
Calibrated
Accepted
Accept
µ Abs.
28296
Accepted
New
Include S1 Rep 1 2 3 4 5
21-Jan-14 11:42
Conc. 6.00
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 -.014 -.014 34 0 33
02 .20000 .186 -.014 980 0% 980
03 .50000 .501 .001 2470 0% 2470
04 1.0000 1.00 .005 4851 0% 4851
05 2.0000 2.00 -.003 9544 0% 9543
06 3.0000 3.06 .061 14574 0% 14573
Ready
CAP NUM

Prep QC: MP22403

ACCUTEST

Date:	01/21/14
Time	9:30

Name:	ERICM1/MA
MP Batch ID:	MP22403
QC Sample ID:	MC27769-2

Reagent Lot #	
1:1 HNO3	
1:1 HCL	RGT-38845-METALS
Conc HNO3	VENDOR-14314
H2O2	
LCS	
Filter Paper Lot #	
Digetion Tube Lot #	1308077

Aqueous EPA 200.7/ 200.8	○
Aqueous SW846 3010A	◉
Soil- SW846 3050B	○

WW

ML Used	Spike Lot#
0.5	RGT-39329-METALS
0.5	RGT-39404-METALS
0.5	RGT-39289-METALS
0.5	RGT-39254-METALS
Spike ID	MPICP

Dig Block ID:	6	Therm ID	MP005	Temp. C	95	Factor	-1.5	Corrected Temp C	93.5
Dig Block ID:		Therm ID		Temp. C		Factor		Corrected Temp C	
Balance ID:	N/A	Repipetor ID	1						

Note: (A)Serial dilution shown for QC purposes only (not a seperate digestion). (B) For DW samples <1NTU, measure pH prior to analysis.

Bot#	Sample #	Initial ML	Final (ML)			1:1 HNO3 (ML)	Conc. HNO3 (ML)	1:1 HCL (ML)	H2O2 (ML)	Comment
	MP22403-MB1	50	50				3	5		
	MP22403-B1	50	50				3	5		
2	MP22403-S1	50	50				3	5		
2	MP22403-SD1	50	50				3	5		
	MP22403-B2	50	50				3	5		
2	MP22403-S2	50	50				3	5		
5	MC27690-1	50	50				3	5		
9	MC27715-10F	50	50				3	5		
9	MC27715-2F	50	50				3	5		
9	MC27715-3F	50	50				3	5		
9	MC27715-4F	50	50				3	5		
9	MC27715-5F	50	50				3	5		
9	MC27715-6F	50	50				3	5		
9	MC27715-7F	50	50				3	5		
9	MC27715-8F	50	50				3	5		
1	MC27753-14	50	50				3	5		
1	MC27753-3	50	50				3	5		
1	MC27754-3	50	50				3	5		
6	MC27755-1F	50	50				3	5		
6	MC27755-2F	50	50				3	5		
6	MC27755-3F	50	50				3	5		
6	MC27755-4F	50	50				3	5		
6	MC27755-6F	50	50				3	5		
2	MC27769-1	50	50				3	5		
2	MC27769-2	50	50				3	5		
2	MC27769-3	50	50				3	5		

Protected Worksheet MMP003-02 QC Review PuiY Date: 01/22/14

(Format edits must be done by dept. Manager)

9.5.2

9

Prep QC: MP22410

ACCUTEST

Date:	01/22/14
Time	9:30

Name:	ERICM1
MP Batch ID:	MP22410
QC Sample ID:	MC27747-7

Reagent Lot #	
1:1 HNO3	
1:1 HCL	RGT-38845-METALS
Conc HNO3	VENDOR-14314
H2O2	
LCS	
Filter Paper Lot #	
Digetion Tube Lot #	1308077

Aqueous EPA 200.7/ 200.8	○
Aqueous SW846 3010A	◉
Soil- SW846 3050B	○

WW

ML Used	Spike Lot#
0.5	RGT-39329-METALS
0.5	RGT-39404-METALS
0.5	RGT-39289-METALS
0.5	RGT-39254-METALS
Spike ID	MPICP

Dig Block ID:	4	Therm ID	GN017	Temp. C	96	Factor	-1	Corrected Temp C	95
Dig Block ID:		Therm ID		Temp. C		Factor		Corrected Temp C	
Balance ID:	N/A	Repipetor ID	1						

Note: (A)Serial dilution shown for QC purposes only (not a seperate digestion). (B) For DW samples <1NTU, measure pH prior to analysis.

Bot#	Sample #	Initial ML	Final (ML)			1:1 HNO3 (ML)	Conc. HNO3 (ML)	1:1 HCL (ML)	H2O2 (ML)	Comment
	MP22410-MB1	50	50				3	5		
	MP22410-B1	50	50				3	5		
5	MP22410-S1	50	50				3	5		
5	MP22410-SD1	50	50				3	5		
	MP22410-B2	50	50				3	5		
5	MP22410-S2	50	50				3	5		
5	MC27747-1	50	50				3	5		
5	MC27747-13	50	50				3	5		
5	MC27747-16	50	50				3	5		
5	MC27747-3	50	50				3	5		
5	MC27747-5	50	50				3	5		
5	MC27747-6	50	50				3	5		
5	MC27747-7	50	50				3	5		
5	MC27747-9	50	50				3	5		
1	MC27769-10	50	50				3	5		
1	MC27769-11	50	50				3	5		
2	MC27769-12	50	50				3	5		
2	MC27769-4	50	50				3	5		
2	MC27769-6	50	50				3	5		
2	MC27769-7	50	50				3	5		
1	MC27769-8	50	50				3	5		
1	MC27769-9	50	50				3	5		
7	MC27779-4F	50	50				3	5		
4	MC27787-1F	50	50				3	5		
7	MC27801-1F	50	50				3	5		

Protected Worksheet MMP003-02 QC Review EAL Date: 01/23/14

(Format edits must be done by dept. Manager)

9.5.3

9

New England ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP17155/GN45773	0.010	0.0	mg/l	0.1	0.108	108.0	90-110%
Cyanide	GP17155/GN45773			mg/l	0.2	0.215	107.5	90-110%

Associated Samples:
Batch GP17155: MC27769-1, MC27769-2, MC27769-3, MC27769-4, MC27769-5, MC27769-6, MC27769-7
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Cyanide	GP17155/GN45773	mg/l	0.1	0.109	0.9	20%

Associated Samples:
Batch GP17155: MC27769-1, MC27769-2, MC27769-3, MC27769-4, MC27769-5, MC27769-6, MC27769-7
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP17155/GN45773	MC27769-7	mg/l	0.60	0.61	1.7	0-20%

Associated Samples:
Batch GP17155: MC27769-1, MC27769-2, MC27769-3, MC27769-4, MC27769-5, MC27769-6, MC27769-7
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP17155/GN45773	MC27769-7	mg/l	0.60	0.1	0.74	140.0(a)	75-125%

Associated Samples:
Batch GP17155: MC27769-1, MC27769-2, MC27769-3, MC27769-4, MC27769-5, MC27769-6, MC27769-7
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: 012214W1.CN Date Analyzed: 01/22/14 Methods: SW846 9012
Analyst: MA Run ID: GN45773
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:00	GN45773-STD1	1		STDA0.50
12:01	GN45773-STD2	1		STDB0.30
12:02	GN45773-STD3	1		STDC0.20
12:03	GN45773-STD4	1		STDD0.10
12:04	GN45773-STD5	1		STDE0.030
12:05	GN45773-STD6	1		STDF0.010
12:06	GN45773-STD7	1		STDG0.00
12:08	GN45773-ICV1	1		
12:10	GN45773-ICB1	1		
12:11	GN45773-CCV1	1		
12:12	GN45773-CCB1	1		
12:13	GP17155-MB1	1		
12:14	GP17155-B1	1		
12:15	GP17155-B2	1		
12:16	GP17155-B3	1		
12:17	ZZZZZZ	1		DNR, offscale
12:18	ZZZZZZ	1		DNR, offscale
12:19	ZZZZZZ	1		DNR, offscale
12:20	ZZZZZZ	1		
12:21	ZZZZZZ	1		DNR, offscale
12:22	ZZZZZZ	1		DNR, offscale
12:23	GN45773-CCV2	1		
12:24	GN45773-CCB2	1		
12:25	MC27769-3	1		
12:26	MC27769-4	1		
12:27	ZZZZZZ	1		DNR, offscale
12:28	ZZZZZZ	1		DNR, offscale
12:29	GP17155-S1	5		
12:31	GP17155-D1	5		
12:32	MC27769-7	5		
12:33	MC27769-1	5		
12:34	MC27769-2	10		
12:35	MC27769-5	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: 012214W1.CN Date Analyzed: 01/22/14 Methods: SW846 9012
Analyst: MA Run ID: GN45773
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:36	GN45773-CCV3	1		
12:37	GN45773-CCB3	1		
12:38	MC27769-6	50		
12:39	GN45773-CCV4	1		
12:40	GN45773-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: MC27769
Account: WSPVAR - WSP Environmental & Energy
Project: Emerson Power Transmission, EPT, 620 South Aurora Street, Ithaca, NY

File ID: 012214W1.CN Date Analyzed: 01/22/14 Methods: SW846 9012
Run ID: GN45773 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN45773-ICV1	Cyanide	0.21	0.010	0.0023	.2	105.0	90-110
GN45773-ICB1	Cyanide	-0.0070	0.010	0.0023			
GN45773-CCV1	Cyanide	0.31	0.010	0.0023	.3	103.3	90-110
GN45773-CCB1	Cyanide	-0.0066	0.010	0.0023			
GN45773-CCV2	Cyanide	0.31	0.010	0.0023	.3	103.3	90-110
GN45773-CCB2	Cyanide	-0.0082	0.010	0.0023			
GN45773-CCV3	Cyanide	0.32	0.010	0.0023	.3	106.7	90-110
GN45773-CCB3	Cyanide	-0.0070	0.010	0.0023			
GN45773-CCV4	Cyanide	0.32	0.010	0.0023	.3	106.7	90-110
GN45773-CCB4	Cyanide	-0.0069	0.010	0.0023			

(!) Outside of QC limits

New England ACCUTEST LABORATORIES

General Chemistry

Raw Data

ACCUTEST LABORATORIES

Protected Worksheet MGN117-02

(Format edits must be done by Dept. manager)

Analyst	MEHDIA	**Test/Analysis**	CN SW846 9012
Date	1/22/14	**Analysis Batch ID**	GN45773
Instrument ID	LACHAT	**Prep Batch ID**	GP17155
File ID	012214W1.CN		

Reagents

Calib STD	GNSTD-	32628-CN	**Buffer**	RGT-	39233-CN
ICV	GNSTD-	32623-CN-2	**Carrier**	RGT-	38837-CN
CCV	GNSTD-	32628-CN-4	**Chloramine-T**	RGT-	39425-CN
			Pyridine Barb. Acid	RGT-	39232-CN

Standardization

Reagent/Stock Std:	NA ◉	Cyanide ○	
-	-	-	-
-			

Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH	Sample ID	Bot#	pH

COMMENTS

Cyanide stock standardization was performed 01/22/14 (GN45715).

QC Review VJ **Date:** 01/22/14

QC Reports: GN45773

Raw Data GN45773: Cyanide page 1 of 4

ACCUTEST

Distillation

Protected Worksheet MGN127-01

(Format edits must be done by Dept. manager)

Analyst:	MEHDIA	Date	1/22/14	Batch ID	GP17155	Matrix	Aqueous
QC Sample	MC27769-7	Balance ID	N/A	pH Meter ID	N/A	Block ID	MICRO

Analysis Type

CN EPA 335.4 ○	CN SW846 9010B ◉	CN-A SM21 4500CN-G/335.4 ○	CN-A SW846 9010 ○
PAC MADEP ○	CREAC Chap 7 ○	SREAC Chap7 ○	CNWAD SM20 4500CN-I ○

Sample ID	Bot #	ID	Interfere Chk CL	Interfere Chk S	Init. pH	SMPL Amt ML	DIST Vol ML	Start Time	End Time	Comments/Spike
GP17155-MB1		N/A	ND	ND	>12	6	6	10:10	10:40	
GP17155-B1		N/A	ND	ND	>12	6	6	10:10	10:40	0.10 ML OF SPIKE
GP17155-S1		N/A	ND	Y	>12	6	6	10:10	10:40	0.10 ML OF SPIKE
GP17155-D1		N/A	ND	Y	>12	6	6	10:10	10:40	
GP17155-B2		N/A	ND	Y	>12	6	6	10:10	10:40	0.10 ML OF SPIKE
GP17155-B3		N/A	ND	ND	>12	6	6	10:10	10:40	0.20 ML OF SPIKE
MC27753-2	5	N/A	ND	ND	>12	6	6	10:10	10:40	
MC27769-1	1	N/A	ND	Y	>12	6	6	10:10	10:40	
MC27769-2	1	N/A	ND	Y	>12	6	6	10:10	10:40	
MC27769-3	1	N/A	ND	Y	>12	6	6	10:10	10:40	
MC27769-4	1	N/A	ND	Y	>12	6	6	10:10	10:40	
MC27769-5	1	N/A	ND	Y	>12	6	6	10:10	10:40	
MC27769-6	1	N/A	ND	Y	>12	6	6	10:10	10:40	
MC27769-7	1	N/A	ND	Y	>12	6	6	10:10	10:40	
ICV		N/A	ND	ND	>12	6	6	10:10	10:40	0.20 ML OF ICV SPIKE

CN 1/22/14

Reagent Lot # (Refer to Indivdual SOP for amounts added)

Sulfamic Acid	VENDOR-8715	Spike Solution	GNSTD-32622-CN-2
Conc. H2SO4	VENDOR-14009	ICV Stock Solution	GNSTD-32623-CN-2
NaOH	RGT-39338-CN	0.25N NAOH	RGT-38837-CN
MgCl2.6H2O	RGT-38834-CN	N/A	
Bismuth Nitrate	RGT-39421-CN	N/A	

Comment:

QC Review _____ Date 01/22/14

11.1 11

Author: chemistry

Date : 1/22/2014

Original Run Filename: OM_1-22-2014_11-59-05AM.OMN Created: 1/22/2014 11:59:05 AM
Original Run Author's Signature: [chemistry]
Current Run Filename: OM_1-22-2014_11-59-05AM.OMN Last Modified: 1/22/2014 12:42:00 PM
Current Run Author's Signature: [chemistry]
Description: Default New Run

Sample	Rep.	Channel 1 Cn (mg/L)	MDF
StdA0.50	1	0.500	
StdB0.30	1	0.300	
StdC0.20	1	0.200	
StdD0.10	1	0.100	
StdE0.030	1	0.0300	
StdF0.010	1	0.0100	
StdG0.00	1	0.00	
ICV	1	0.207	
ICB	1	-7.03e-3	
CCV	1	0.308	
Calibration:		Table/Fig. : 1	
CCB	1	-6.64e-3	
GP17155-MB1	1	-5.44e-3	
GP17155-B1	1	0.108	
GP17155-B2	1	0.109	
GP17155-B3	1	0.215	
GP17155-S1	1	0.639	
GP17155-D1	1	0.555	
MC27769-7	1	0.598	
MC27753-2	1	-2.78e-3	
MC27769-1	1	0.947	
MC27769-2	1	2.51	
CCV	1	0.314	
CCB	1	-8.21e-3	
MC27769-3	1	0.382	
MC27769-4	1	0.184	
MC27769-5	1	0.627	
MC27769-6	1	6.70	
GP17155-S1	1	0.148	5.00
GP17155-D1	1	0.122	5.00
MC27769-7	1	0.119	5.00
MC27769-1	1	0.163	5.00
MC27769-2	1	0.259	10.00
MC27769-5	1	0.137	5.00
CCV	1	0.315	
CCB	1	-7.02e-3	
MC27769-6	1	0.243	50.00
CCV	1	0.320	
CCB	1	-6.86e-3	

DNR offscale
DNR offscale
DNR offscale

DNR offscale
DNR offscale

DNR offscale
DNR offscale

Table : 1 (Cn)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	15.5	0.901	0.0	0.6	0.497	1/22/2014	12:00:00 PM
2	0.300	1	9.34	0.551	0.0	1.0	0.297	1/22/2014	12:01:05 PM
3	0.200	1	6.62	0.386	0.0	-3.9	0.208	1/22/2014	12:02:10 PM
4	0.100	1	3.54	0.206	0.0	-7.0	0.108	1/22/2014	12:03:14 PM
5	0.0300	1	1.21	0.0715	0.0	-4.1	0.0317	1/22/2014	12:04:19 PM
6	0.0100	1	0.432	0.0262	0.0	21.4	6.33e-3	1/22/2014	12:05:24 PM
7	0.00	1	0.0187	2.22e-3			-7.15e-3	1/22/2014	12:06:28 PM

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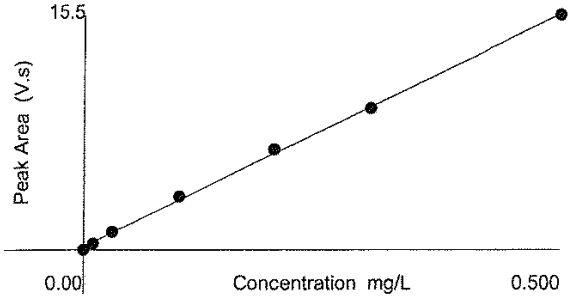
Figure : 1 (Cn)



Area = 30.7 * Conc + 0.243
Conc = 0.0326 * Area - 7.76e-3
Correlation Coefficient (r) = 0.99949

Weighting : None